

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

PANORAMA ANTENNAS

- Low Profile 2x 4x4 MiMo 4G/5G
- Up to 8x8 MiMo Dual Band WiFi 6e / 7
- Up to 2 GPS/GNSS L1 or L1/L5 bands
- Meets IK10 and IP69K



The industry leading Megalodon range has been developed to provide 2x 4x4 MiMo 4G/5G antenna systems covering 617-960/1427-6000MHz within a robust low profile package. Covering global cellular bands for future-proof performance, the antenna provides effective functionality for 2x 4G Cat 18/20 and/or 5G modems. This can be combined with a number of other functions including single/dual band GPS/GNSS and up to 8x8 MiMo WiFi elements covering 2.4-7.2GHz (WiFi 6e/7).

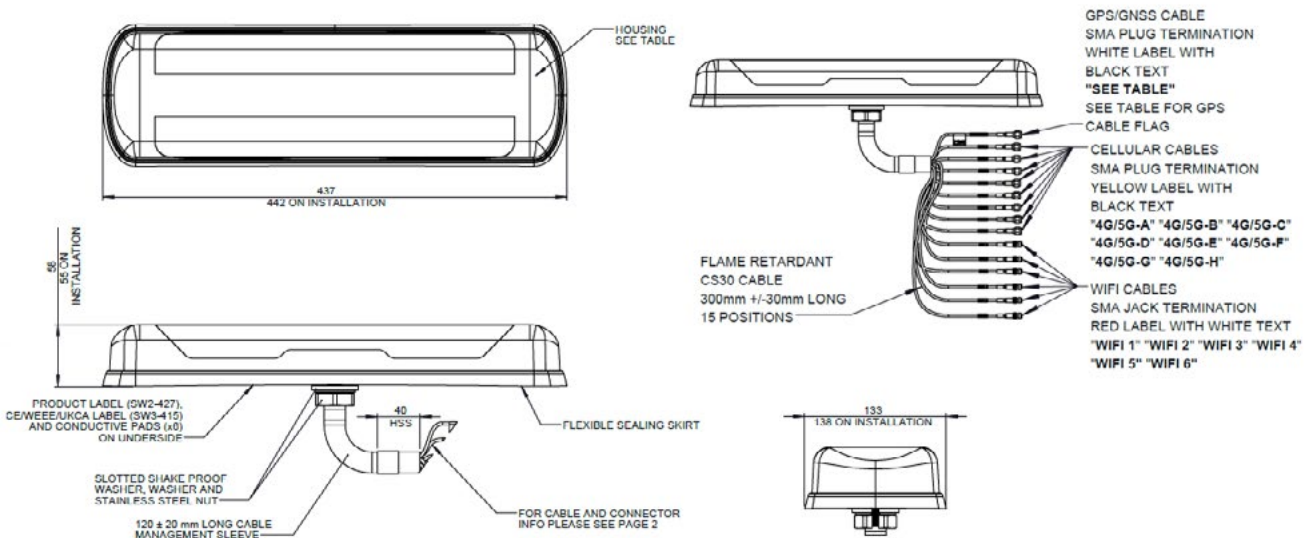
The antenna is designed to be panel mounted and can be fitted on a conductive or non-conductive panel. Supplied with integrated flame retardant low-loss CS30 cables (Compliant to UN ECE R118) and a halogen free, flame retardant radome, the antenna is suitable for many environments and applications, including public safety and transportation.

The LGM variants have an integrated GPS/GNSS module supporting either L1 only or L1/L5 frequencies. This GPS module features advanced filtering for LTE B13/14 designed to minimise potential in band interference.

The antenna is available with a black or white radome which meets IK10 for vandal resistance and IP69K for Ingress protection.

Technical Drawing

LGMHM8-6-60 Shown



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Product Data

Part No.		LGMOM8[B]-6-60	LGMHM8[B]-6-60	LGMQM8[B]-6-60	LGMDM8[B]-6-60	LGMM8[B]-6-60
Electrical Data						
Frequency Range (MHz)	4G/5G Elements	8x 617-960 / 1427-6000				
	WiFi Elements	8x 2.4/5.1-7.2GHz	6x 2.4/5.1-7.2GHz	4x 2.4/5.1-7.2GHz	2x 2.4/5.1-7.2GHz	-
Typical VSWR*	All Elements	<3:1 (4G/5G elements) / <2:1 (WiFi Elements)				
Peak Gain: Isotropic : (dBi)	4G/5G Elements	617-960MHz	3.4			
		1427-4200MHz	7.4			
		4400-6000MHz	8.2			
	WiFi Elements	2.4 GHz	6			
		5.1-7.2GHz	7			
		617-960MHz	49%			
Typical Efficiency **	4G/5G Elements	1427-2170MHz	55%			
		2300-4200MHz	60%			
		4400-6000MHz	52%			
	WiFi Elements	2.4-7.2GHz	44%			
Nominal Impedance	50Ω					
GPS/GNSS Data						
Frequency Range (MHz)	1559-1612					
VSWR	<2.5:1					
Gain: LNA	26dB					
Out of band rejection	>40dB (@ > +/- 100MHz f)					
Typical Noise Figure	2.7 dB					
Rejection @787MHz	>50 dB					
Voltage /Current	3 - 5V DC 17mA (typical)					
Mechanical Data						
Dimensions (mm)	Height	55(2.1")				
	Length	437 (17.2")				
	Width	133 (5.2")				
Operating Temp (°C)	-40° / +80°C (-40° / +176°F)					
Colour	White / [Black]					
Ingress Protection / Impact Resistance	IP69K / IK10					
Mounting Data						
Mounting type	Panel mount					
Max panel thickness (mm)	7 (0.27")					
Mounting hole (mm)	25(1")					
Cable Data						
All Cables	Type	comms cables - CS30 GPS cable/s FR RG174 (all cables UN ECE R118 Compliant)				
	Diameter (mm)	2.8 (0.1")				
	Length (m)	0.3 (1')				
Terminations						
4G/5G	8x SMA Plug (m)					
WiFi	8x SMA Jack (f)	6x SMA Jack (f)	4x SMA Jack (f)	2x SMA Jack (f)	-	
GPS/GNSS	1x SMA Plug (m)					

*Across 90% of relevant bands for LGMHM8-6-60 measured in free space without additional cable.

† Efficiency stated is average for all elements and peak gain is highest measured level from LGMHM8-6-60 measured in free space without additional cable.

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Megalodon 4G/5G Antenna

PANORAMA ANTENNAS

Product Data					
Part No.					
LG5MOM8[B]-6-60 LG5MHM8[B]-6-60 LG5MQM8[B]-6-60 LG5MDM8[B]-6-60 LG5MM8[B]-6-60					
Electrical Data					
Frequency Range (MHz)	4G/5G Elements	8x 617-960 / 1427-6000			
	WiFi Elements	8x 2.4/5.1-7.2GHz	6x 2.4/5.1-7.2GHz	4x 2.4/5.1-7.2GHz	2x 2.4/5.1-7.2GHz
Typical VSWR*	All Elements	<3:1 (4G/5G elements) / <2:1 (WiFi Elements)			
Peak Gain: Isotropic : (dBi)†	4G/5G Elements	617-960MHz	3		
		1427-4200MHz	7		
		4400-6000MHz	8		
	WiFi Elements	2.4 GHz	6		
		5.1-7.2GHz	7		
	Typical Efficiency **	4G/5G Elements	617-960MHz	49%	
1427-2170MHz			55%		
2300-4200MHz			60%		
WiFi Elements		4400-6000MHz	52%		
		2.4-7.2GHz	44%		
Nominal Impedance		50Ω			
GPS/GNSS Data					
Frequency Range (MHz)		1164-1189 / 1559-1612			
VSWR		<2.5:1			
Gain: LNA		30 / 26dB			
Out of band rejection		>40dB (@ > +/- 100MHz f)			
Typical Noise Figure		2.7 dB			
Rejection @787MHz		>50 dB			
Voltage /Current		3 - 5V DC 37mA (typical)			
Mechanical Data					
Dimensions (mm)	Height	55(2.1")			
	Length	437 (17.2")			
	Width	133 (5.2")			
Operating Temp (°C)		-40° / +80°C (-40° / +176°F)			
Colour		White / [Black]			
Ingress Protection / Impact Resistance		IP69K / IK10			
Mounting Data					
Mounting type		Panel mount			
Max panel thickness (mm)		7 (0.27")			
Mounting hole (mm)		25(1")			
Cable Data					
All Cables	Type	comms cables - CS30 GPS cable/s FR RG174 (all cables UN ECE R118 Compliant)			
	Diameter (mm)	2.8 (0.1")			
	Length (m)	0.3 (1')			
Terminations					
4G/5G		8x SMA Plug (m)			
WiFi		8x SMA Jack (f)	6x SMA Jack (f)	4x SMA Jack (f)	2x SMA Jack (f)
GPS/GNSS		1x SMA Plug (m)			

*Across 90% of relevant bands for LGMHM8-6-60 measured in free space without additional cable.

† Efficiency stated is average for all elements and peak gain is highest measured level from LGMHM8-6-60 measured in free space without additional cable.

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

Product Data

Part No.		LPMM8[B]-6-60	
Electrical Data			
Frequency Range (MHz)	4G/5G Elements	8x 617-960 / 1427-6000	
Typical VSWR*		<3:1	
Peak Gain: Isotropic : (dBi)	4G/5G Elements	617-960MHz	3
		1427-4200MHz	7
		4400-6000MHz	8
Typical Efficiency†	4G/5G Elements	617-960MHz	49%
		1427-2170MHz	55%
		2300-4200MHz	60%
		4400-6000MHz	52%
Nominal Impedance		50Ω	
Mechanical Data			
Dimensions (mm)	Height	55(2.1")	
	Length	437 (17.2")	
	Width	133 (5.2")	
Operating Temp (°C)		-40° / +80°C (-40° / +176°F)	
Colour		White / [Black]	
Ingress Protection / Impact Resistance		IP69K / IK10	
Mounting Data			
Mounting type		Panel mount	
Max panel thickness (mm)		7 (0.27")	
Mounting hole (mm)		25(1")	
Cable Data			
All Cables	Type	CS30 (UN ECE R118 Compliant)	
	Diameter (mm)	2.8 (0.1")	
	Length (m)	0.3 (1')	
Terminations			
4G/5G		8x SMA Plug (m)	

*Across 90% of relevant bands for LGMHM8-6-60 measured in free space without additional cable.

† Efficiency stated is average for all elements and peak gain is highest measured level from LGMHM8-6-60 measured in free space without additional cable.

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Megalodon 4G/5G Antenna

Electrical Data Cell -
Ground Plane

Measurement Conditions

LGMHM8-6-60 measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 Cable



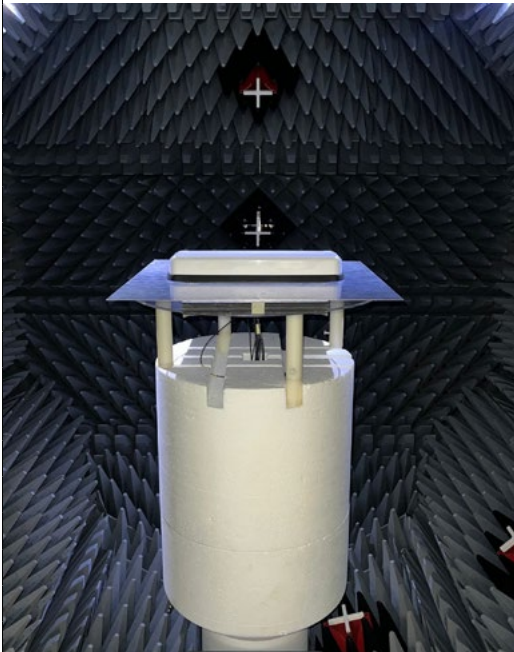
4G/5G Antennas

Frequency Range (MHz)	LTE/NR Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
617-698	71, 105	Cell A	3.6	45
		Cell B	1.7	37
		Cell C	2.7	40
		Cell D	1.2	35
699-798	12,13, 14 17,28	Cell A	3.8	48
		Cell B	2.7	43
		Cell C	3.4	42
		Cell D	1.6	40
807- 862	5,19,20,26,27	Cell A	3.5	39
		Cell B	3.0	39
		Cell C	3.9	41
		Cell D	1.8	38
880-960	8	Cell A	3.7	42
		Cell B	3.0	35
		Cell C	4.2	46
		Cell D	3.4	35
1427-1518	11, 21, 74,75,76	Cell A	4.6	53
		Cell B	6.5	57
		Cell C	4.4	51
		Cell D	6.1	52
1710-1920	2,3,4,9,25,35,39,66	Cell A	6.1	51
		Cell B	6.6	54
		Cell C	4.9	44
		Cell D	5.1	51
1920-2170	1,23	Cell A	7.5	60
		Cell B	6.6	60
		Cell C	5.9	54
		Cell D	6.1	61
2300-2400	30,40	Cell A	6.1	61
		Cell B	7.2	70
		Cell C	5.8	59
		Cell D	6.7	67
2496-2690	7,38,41	Cell A	5.6	50
		Cell B	7.2	62
		Cell C	5.9	53
		Cell D	6.8	62
3300-4200	22,42,43,48,77,78	Cell A	7.9	59
		Cell B	8.7	62
		Cell C	7.9	62
		Cell D	7.9	69
4400-5000	79	Cell A	7.2	58
		Cell B	8.3	53
		Cell C	7.0	54
		Cell D	9.8	64

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

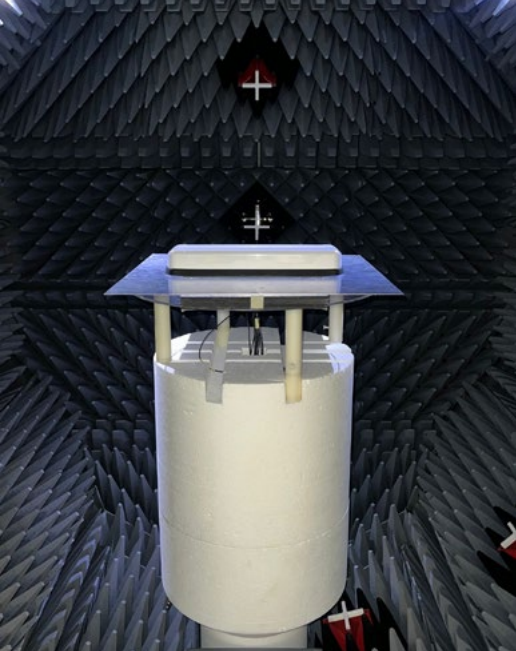
Electrical Data Cell -
Ground Plane

Measurement Conditions	4G/5G Antennas				
LGMHM8-6-60 measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 Cable	Frequency Range (MHz)	LTE/NR Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	617-698	71, 105	Cell E	3.5	41
			Cell F	2.4	39
			Cell G	3.0	38
			Cell H	2.9	41
	699-798	12,13, 14 17,28	Cell E	4.3	45
			Cell F	2.4	40
			Cell G	3.1	41
			Cell H	2.8	37
	807- 862	5,19,20,26,27	Cell E	3.2	38
			Cell F	2.4	37
			Cell G	3.6	39
			Cell H	2.6	37
	880-960	8	Cell E	4.0	42
			Cell F	2.8	35
			Cell G	3.9	45
			Cell H	2.6	35
	1427-1518	11, 21, 74,75,76	Cell E	4.7	49
			Cell F	5.9	56
			Cell G	4.1	48
			Cell H	5.1	47
	1710-1920	2,3,4,9,25,35,39,66	Cell E	6.4	51
			Cell F	6.6	57
			Cell G	4.6	46
			Cell H	5.4	50
	1920-2170	1,23	Cell E	6.9	59
			Cell F	6.9	63
			Cell G	5.3	53
			Cell H	5.9	59
	2300-2400	30,40	Cell E	7.4	61
			Cell F	7.2	70
			Cell G	5.6	55
			Cell H	7.0	62
	2496-2690	7,38,41	Cell E	5.8	52
			Cell F	6.3	62
			Cell G	6.1	54
			Cell H	7.9	59
	3300-4200	22,42,43,48,77,78	Cell E	8.4	59
			Cell F	9.3	66
			Cell G	7.5	61
			Cell H	7.7	63
4400-5000	79	Cell E	7.8	52	
		Cell F	8.4	59	
		Cell G	6.8	53	
		Cell H	10.2	61	

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Electrical Data WiFi -
Ground Plane

Measurement Conditions	WiFi Antennas				
LGMHM8-6-60 measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 Cable	Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	2396-2485	2.4GHz	WiFi 1	6.7	58
			WiFi 2	6.8	58
			WiFi 3	5.0	54
			WiFi 4	4.2	48
	5150-5250	UNII-1	WiFi 1	8.4	45
			WiFi 2	8.0	45
			WiFi 3	8.3	54
			WiFi 4	5.9	53
	5250-5350	UNII-2A	WiFi 1	8.3	44
			WiFi 2	7.8	44
			WiFi 3	8.3	53
			WiFi 4	6.1	51
	5350-5470	UNII-2B	WiFi 1	7.6	41
			WiFi 2	7.1	42
			WiFi 3	7.5	54
			WiFi 4	6.2	51
	5470-5725	UNII-2C	WiFi 1	7.0	42
			WiFi 2	7.6	43
			WiFi 3	6.9	50
			WiFi 4	6.5	49
	5725-5850	UNII-3	WiFi 1	8.0	44
			WiFi 2	8.2	45
			WiFi 3	7.1	51
			WiFi 4	4.9	50
	5850-5925	UNII-4	WiFi 1	8.0	45
			WiFi 2	8.5	45
			WiFi 3	7.7	52
			WiFi 4	5.5	51
	5925-6425	UNII-5	WiFi 1	10.4	48
			WiFi 2	10.2	47
			WiFi 3	7.6	56
			WiFi 4	6.4	53
	6425-6525	UNII-6	WiFi 1	10.0	50
			WiFi 2	9.4	47
			WiFi 3	5.7	55
			WiFi 4	5.2	53
	6525-6875	UNII-7	WiFi 1	9.2	48
			WiFi 2	8.7	44
			WiFi 3	5.8	50
			WiFi 4	5.8	49
6875-7125	UNII-8	WiFi 1	7.7	46	
		WiFi 2	7.0	42	
		WiFi 3	5.3	45	
		WiFi 4	4.9	44	

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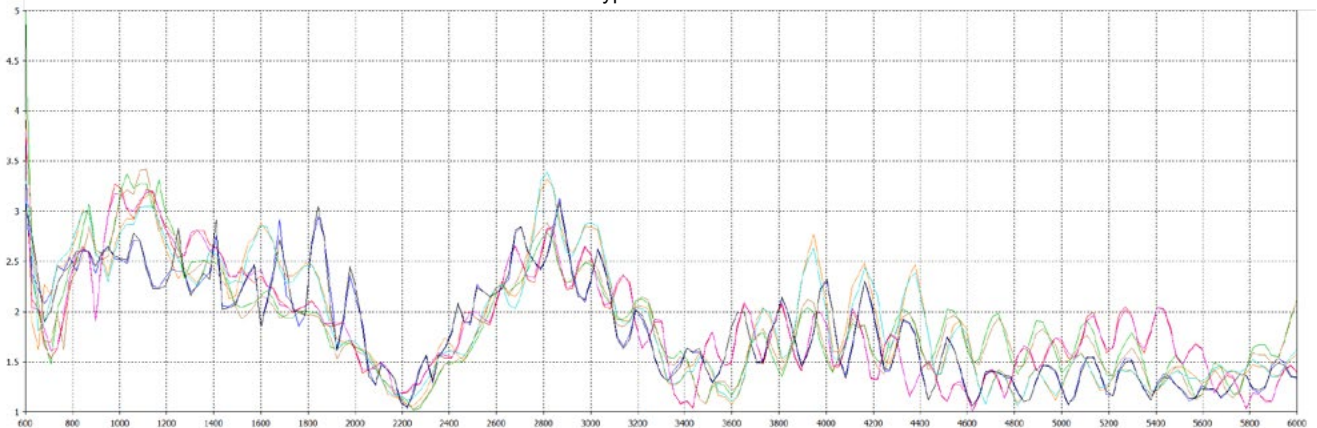
Megalodon 4G/5G Antenna

Electrical Data WiFi -
Ground Plane

Measurement Conditions	WiFi Antennas				
LGMHM8-6-60 measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 Cable	Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	2396-2485	2.4GHz	WiFi 5	3.4	40
			WiFi 6	3.9	41
	5150-5250	UNII-1	WiFi 5	6.2	56
			WiFi 6	6.3	54
	5250-5350	UNII-2A	WiFi 5	6.2	55
			WiFi 6	5.9	53
	5350-5470	UNII-2B	WiFi 5	5.5	50
			WiFi 6	5.6	51
	5470-5725	UNII-2C	WiFi 5	6.2	45
			WiFi 6	6.1	43
	5725-5850	UNII-3	WiFi 5	6.2	44
			WiFi 6	6.3	42
	5850-5925	UNII-4	WiFi 5	5.9	44
			WiFi 6	6.8	43
	5925-6425	UNII-5	WiFi 5	6.1	46
			WiFi 6	7.1	45
6425-6525	UNII-6	WiFi 5	5.6	47	
		WiFi 6	4.0	45	
6525-6875	UNII-7	WiFi 5	4.5	47	
		WiFi 6	4.5	46	
6875-7125	UNII-8	WiFi 5	4.9	44	
		WiFi 6	4.8	44	

Electrical Data Cell -
Ground Plane

Typical VSWR*



*VSWR measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

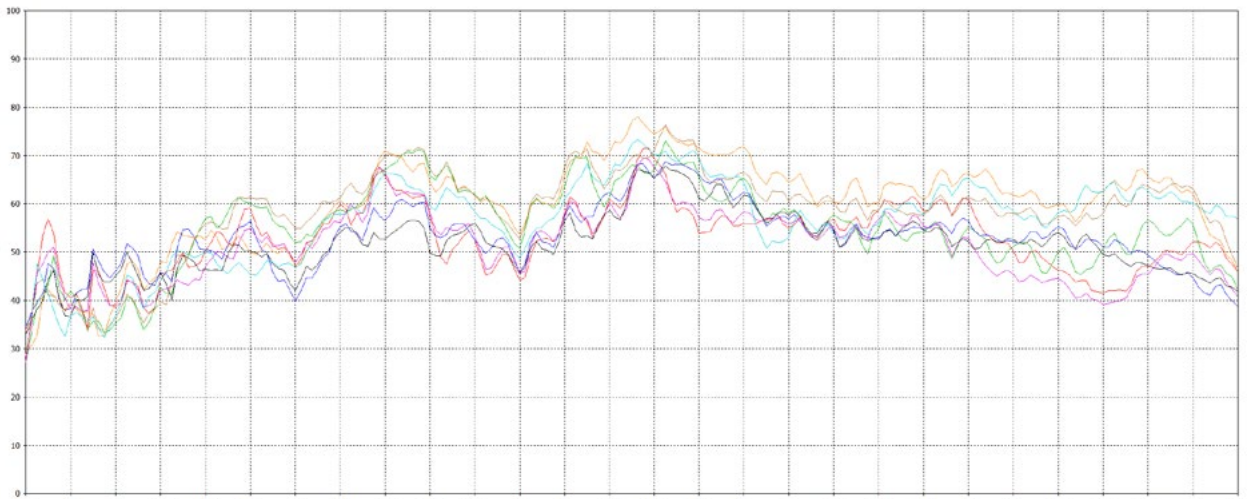
Electrical Data Cell -
Ground Plane

Typical Isolation*



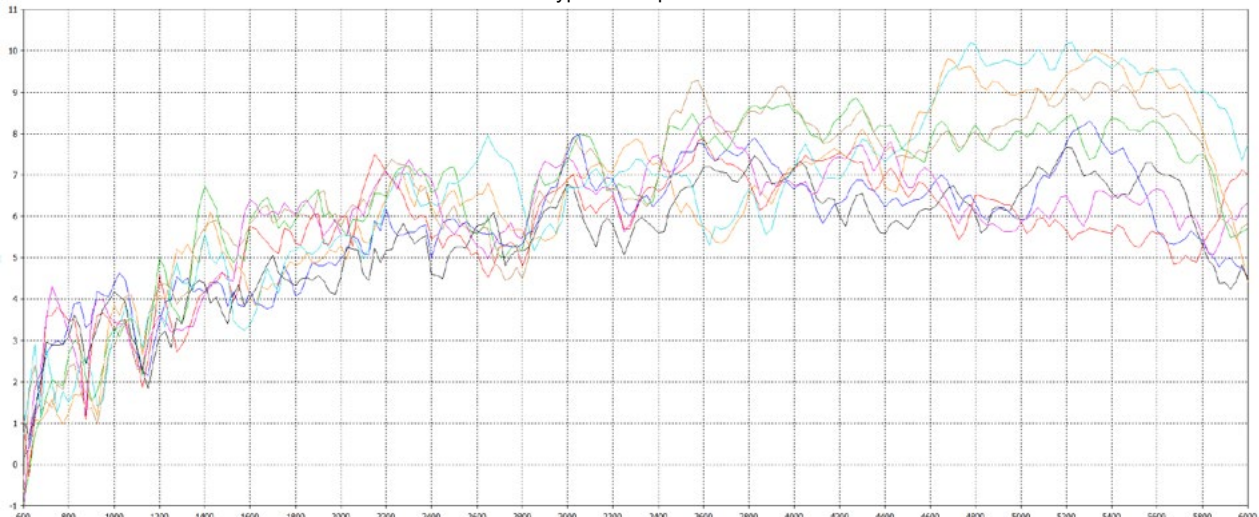
*Isolation measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable . Green trace = best case isolation between element pairs. Red trace - worst case isolation between element pairs.

Typical Efficiency*



*Efficiency measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable

Typical Swept Peak Gain*



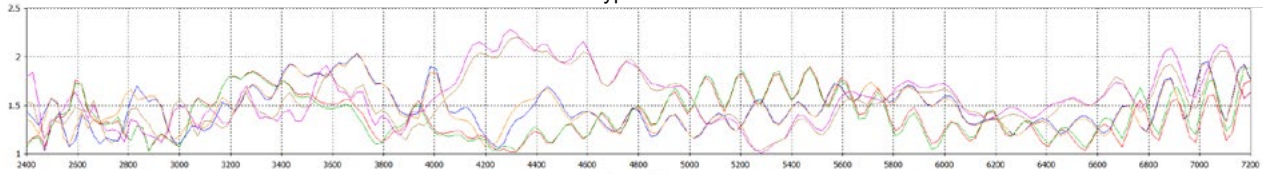
*Peak Gain measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable

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Megalodon 4G/5G Antenna

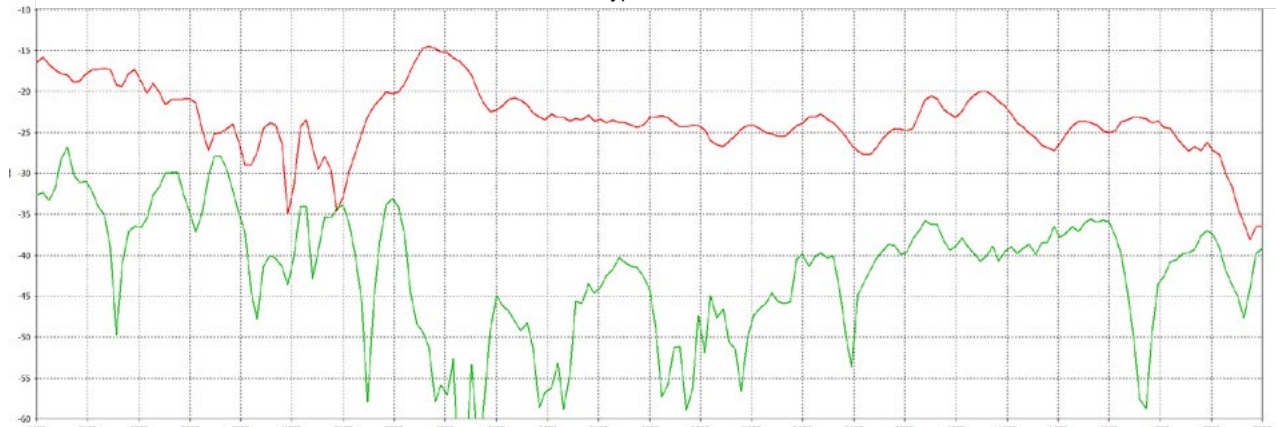
Electrical Data WiFi -
Ground Plane

Typical VSWR*



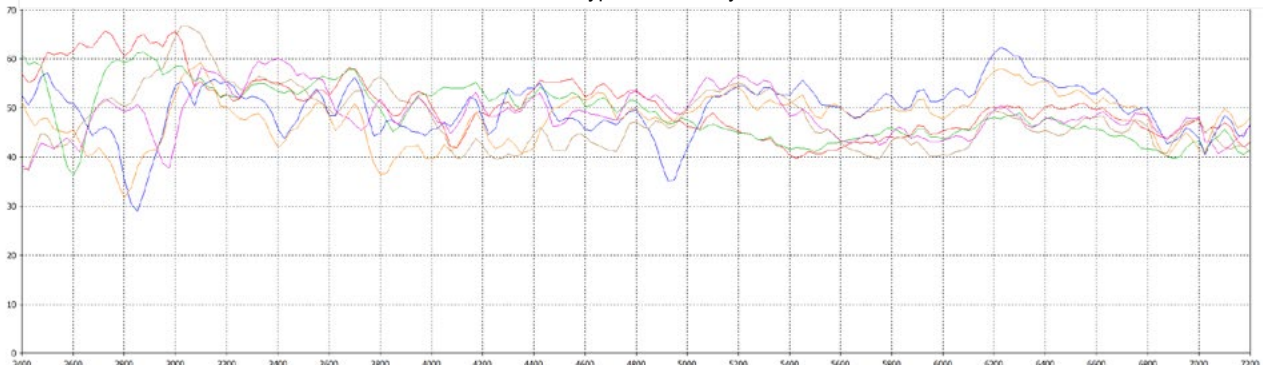
*VSWR measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable

Typical Isolation*



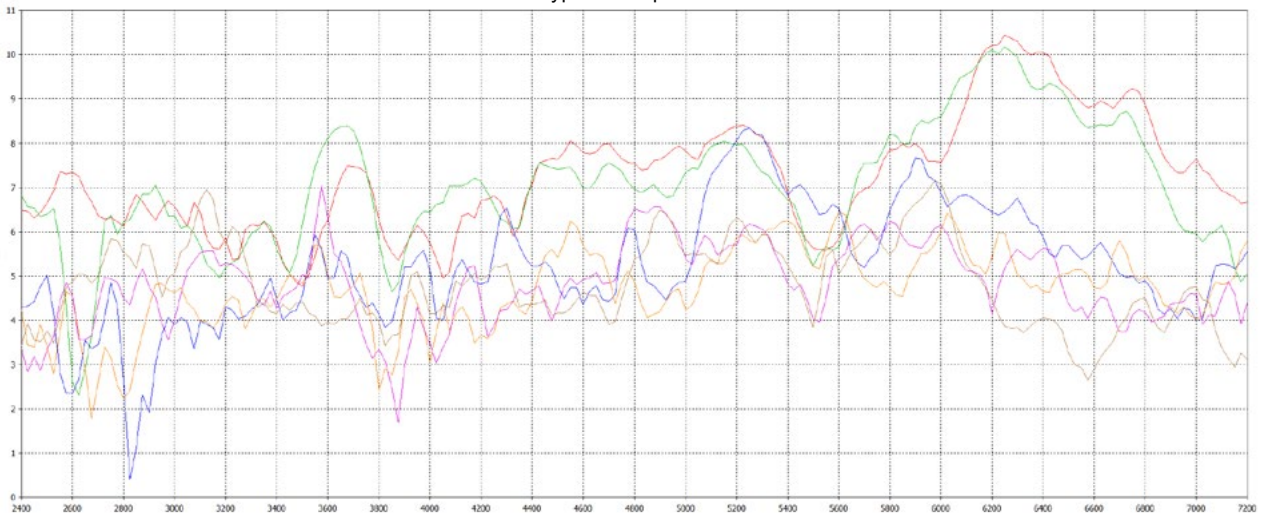
*Isolation measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable . Green trace = best case isolation between element pairs. Red trace - worst case isolation between element pairs.

Typical Efficiency*



*Efficiency measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable

Typical Swept Peak Gain*



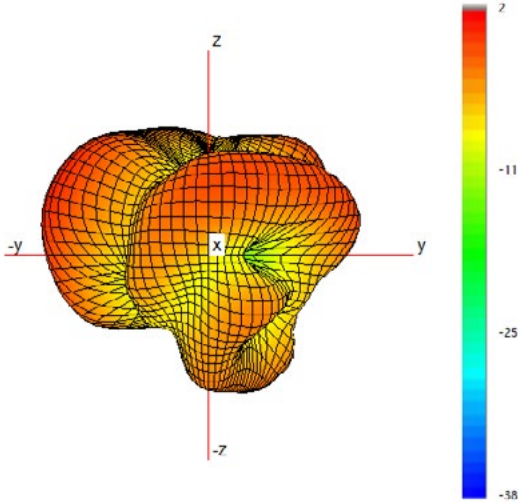
*Peak Gain measured on 600x600mm (2'x2') ground plane with 0.5m (1.6') of CS30 cable

8x8 MiMo 4G/5G Dome Combination Antenna Range

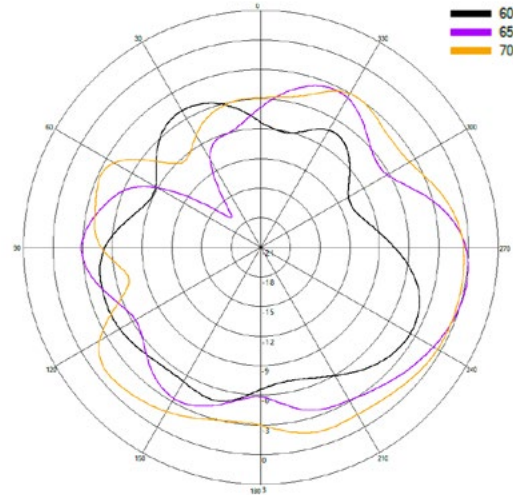
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell A

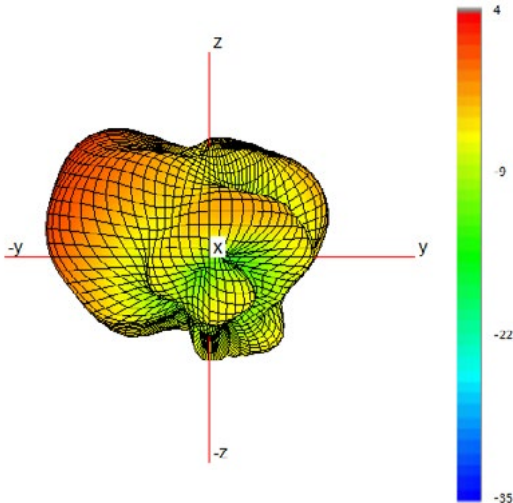
Typical 3D Pattern- Cell A - 650 MHz



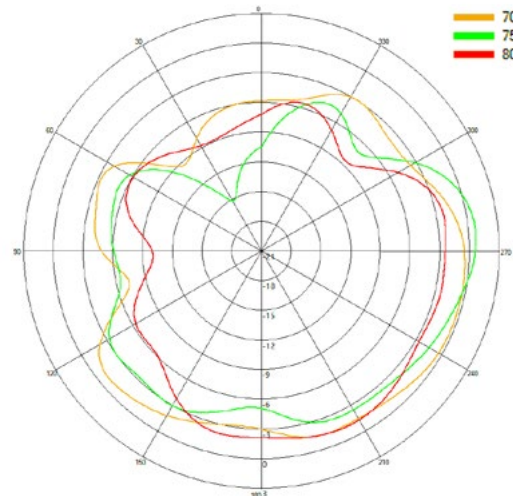
Typical H Plane- Cell A - Patterns- 600-700MHz



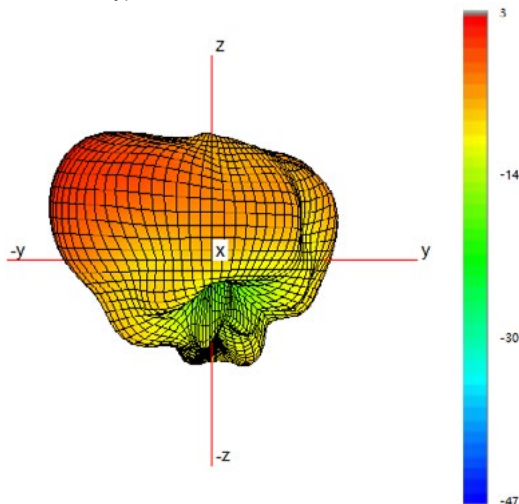
Typical 3D Pattern- Cell A - 750 MHz



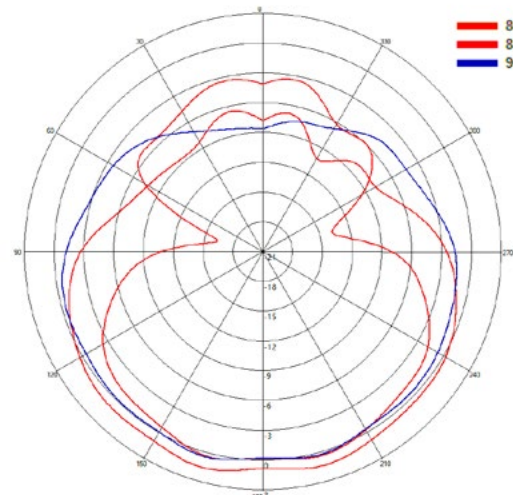
Typical H Plane- Cell A - Patterns- 700-800MHz



Typical 3D Pattern- Cell A - 850 MHz



Typical H Plane- Cell A - Patterns- 800-900MHz

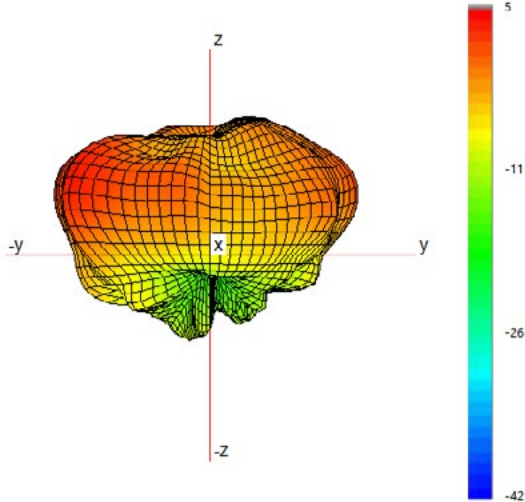


8x8 MiMo 4G/5G Dome Combination Antenna Range

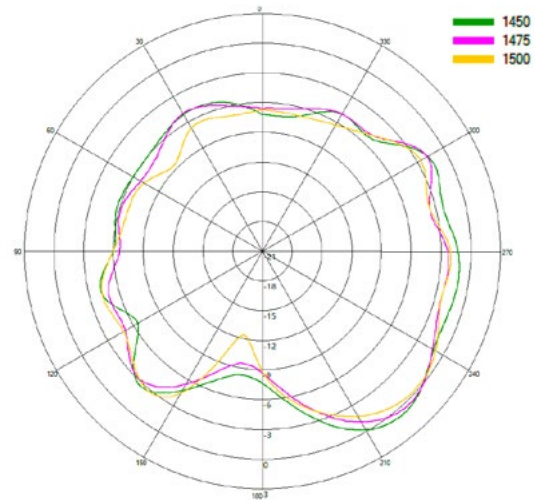
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell A

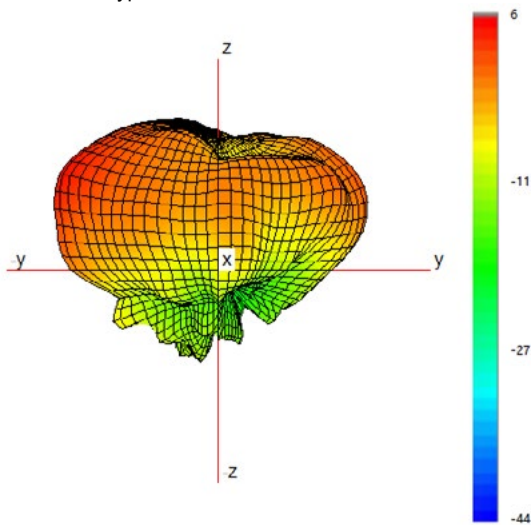
Typical 3D Pattern- Cell A - 1475 MHz



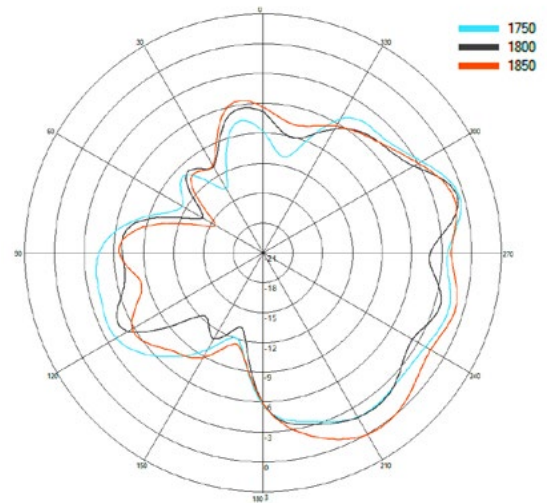
Typical H Plane- Cell A- Patterns- 1450-1500 MHz



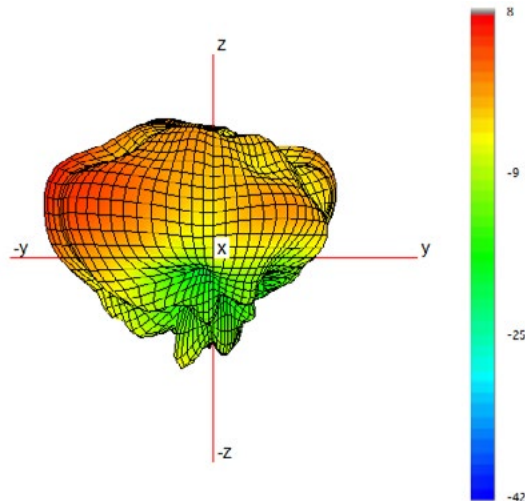
Typical 3D Pattern- Cell A - 1800 MHz



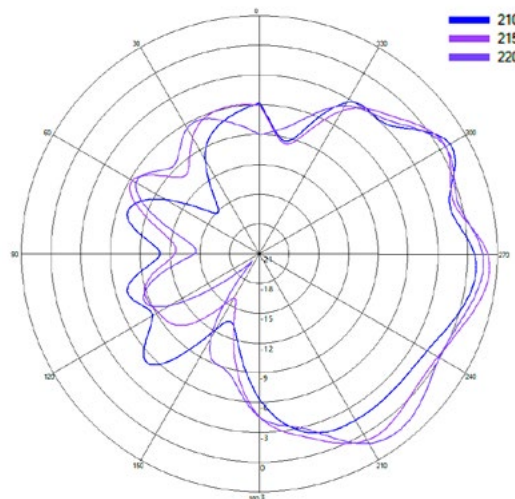
Typical H Plane- Cell A- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell A - 2150 MHz



Typical H Plane- Cell A- Patterns- 2100-2200 MHz

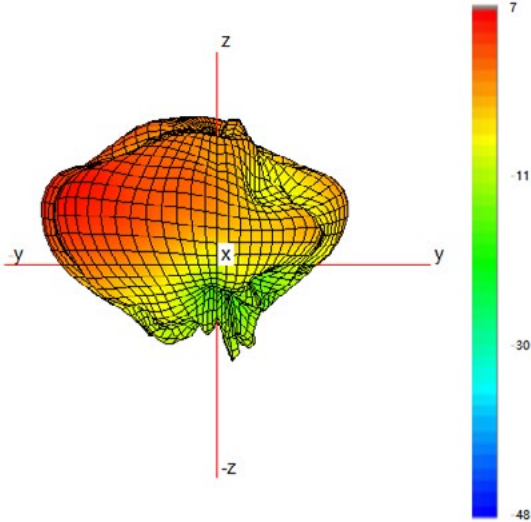


8x8 MiMo 4G/5G Dome Combination Antenna Range

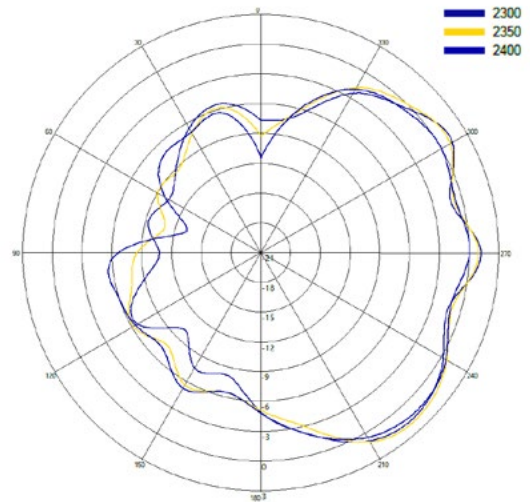
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell A

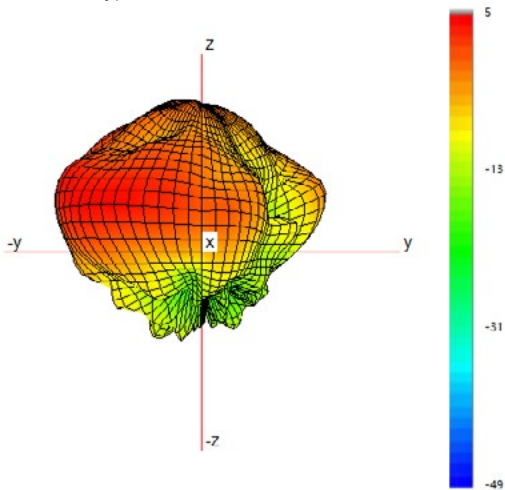
Typical 3D Pattern- Cell A - 2350 MHz



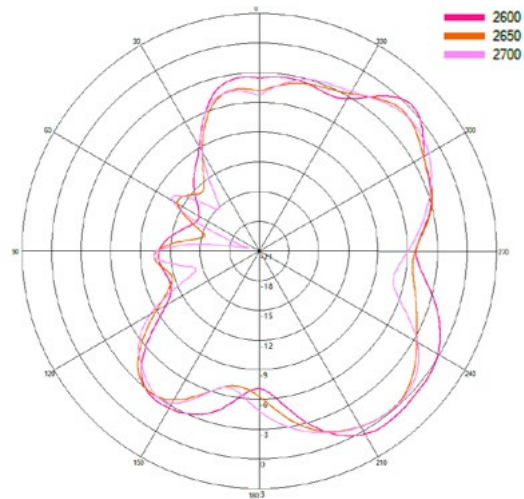
Typical H Plane- Cell A - Patterns- 2300-2400 MHz



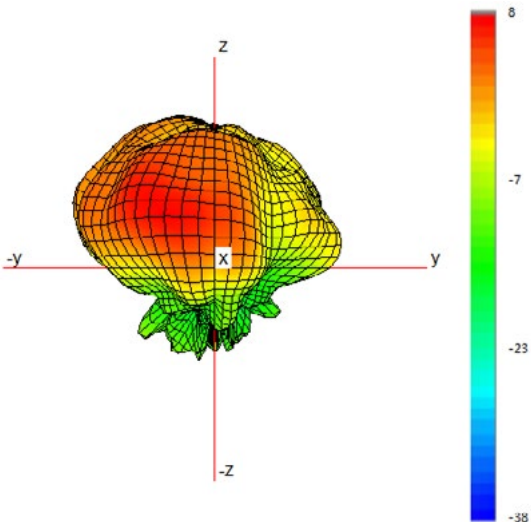
Typical 3D Pattern- Cell A - 2650 MHz



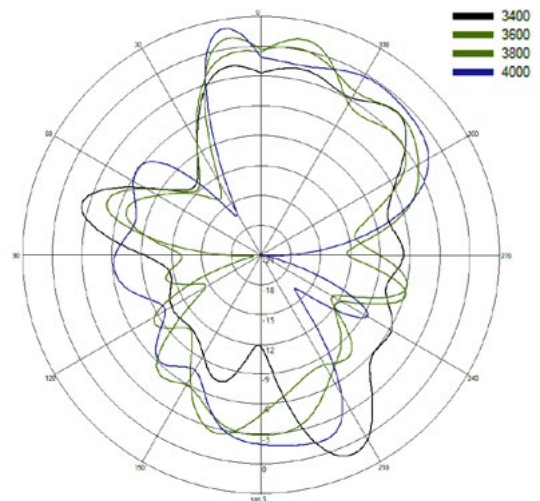
Typical H Plane- Cell A - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell A - 3600 MHz



Typical H Plane- Cell A - Patterns- 3400-4000 MHz

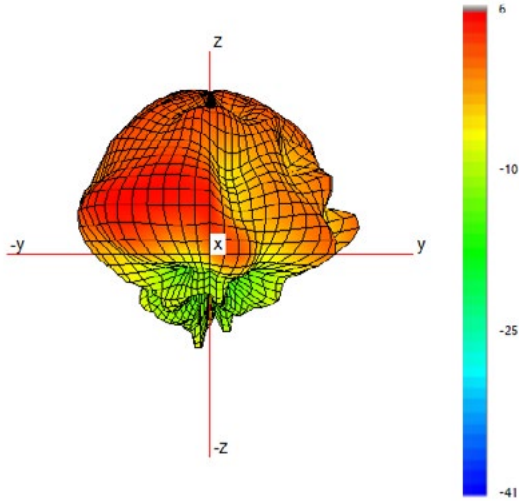


8x8 MiMo 4G/5G Dome Combination Antenna Range

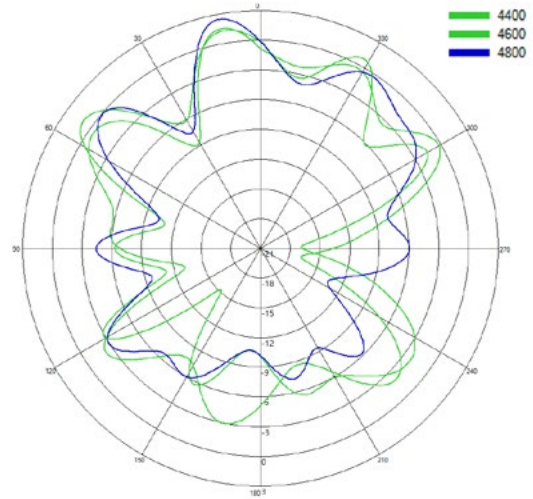
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell A

Typical 3D Pattern- Cell A - 4700 MHz



Typical H Plane- Cell A - Patterns- 4400-4800 MHz

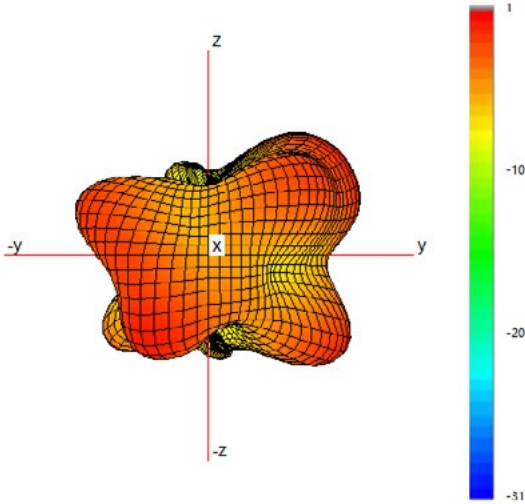


8x8 MiMo 4G/5G Dome Combination Antenna Range

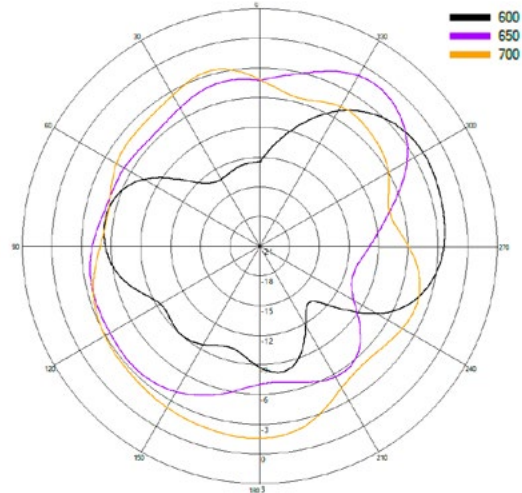
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell B

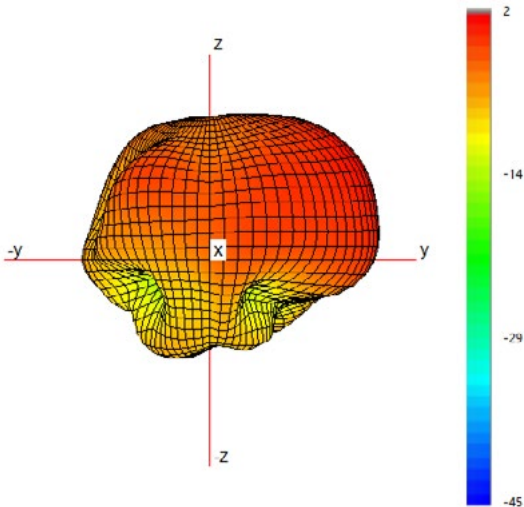
Typical 3D Pattern- Cell B - 650 MHz



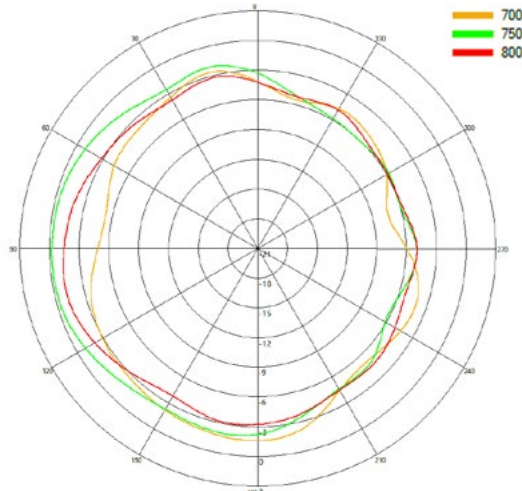
Typical H Plane- Cell B - Patterns- 600-700MHz



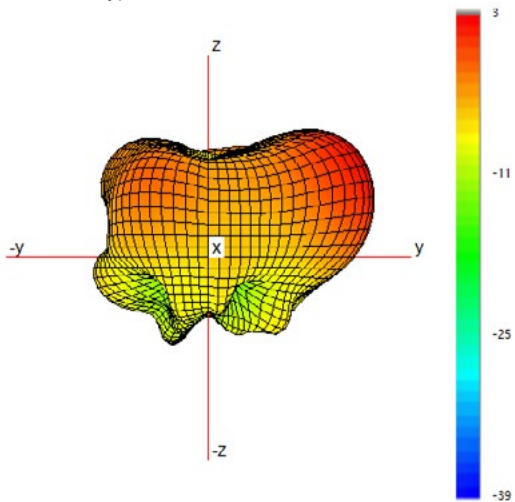
Typical 3D Pattern- Cell B - 750 MHz



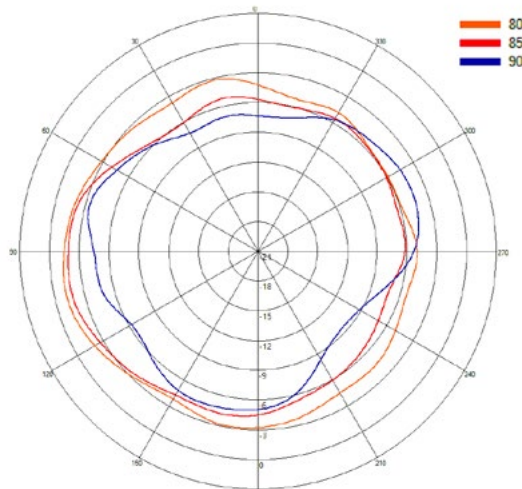
Typical H Plane- Cell B - Patterns- 700-800MHz



Typical 3D Pattern- Cell B - 850 MHz



Typical H Plane- Cell B - Patterns- 800-900MHz

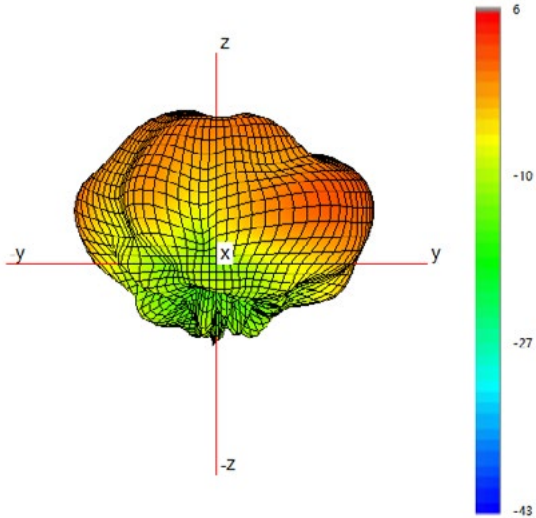


8x8 MiMo 4G/5G Dome Combination Antenna Range

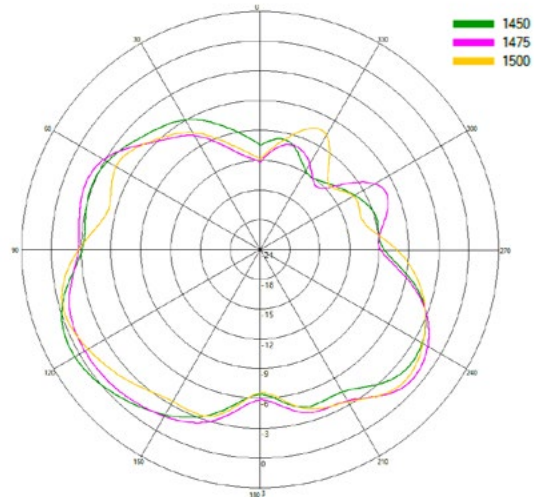
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell B

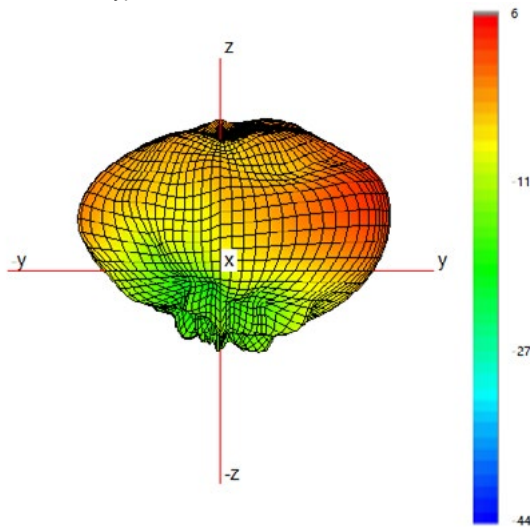
Typical 3D Pattern- Cell B - 1475 MHz



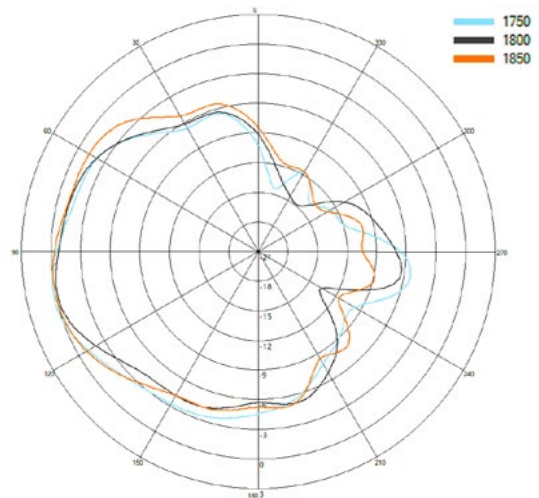
Typical H Plane- Cell B- Patterns- 1450-1500 MHz



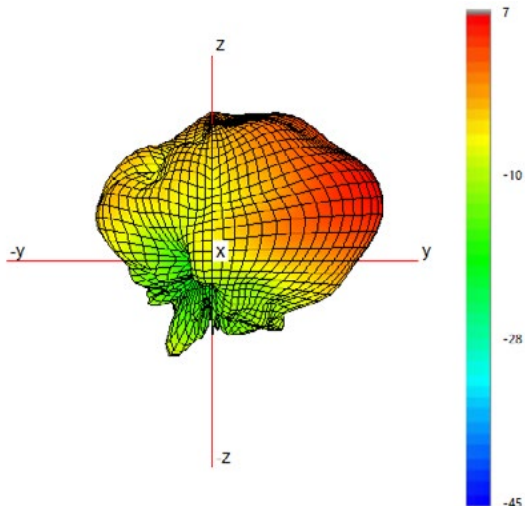
Typical 3D Pattern- Cell B - 1800 MHz



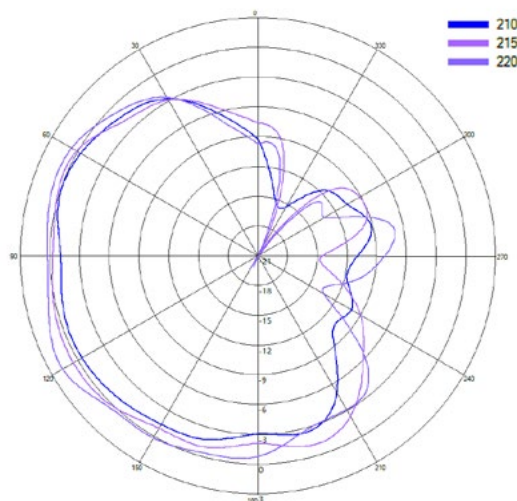
Typical H Plane- Cell B- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell B - 2150 MHz



Typical H Plane- Cell B- Patterns- 2100-2200 MHz

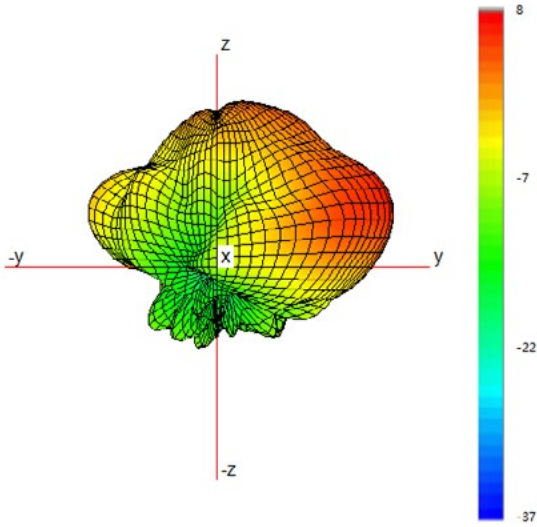


8x8 MiMo 4G/5G Dome Combination Antenna Range

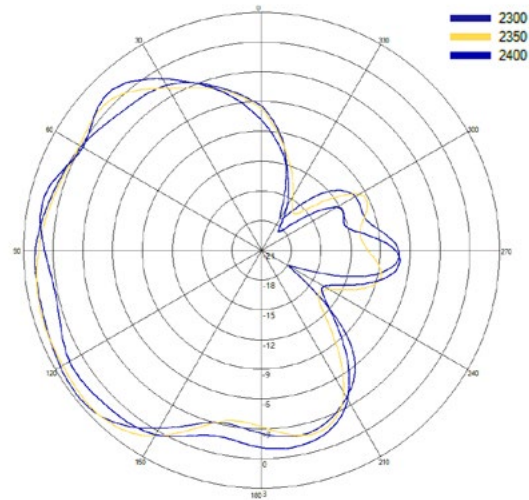
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell B

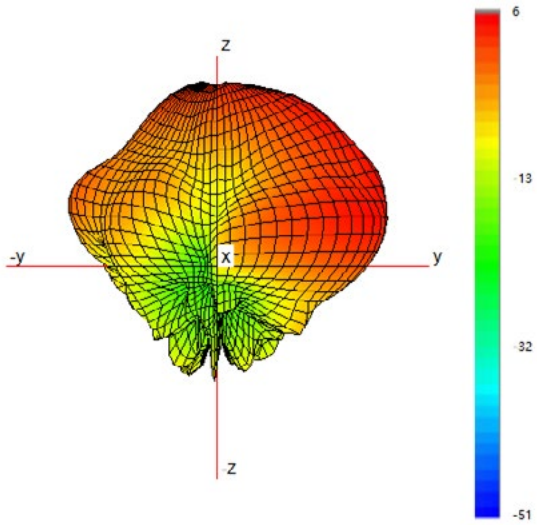
Typical 3D Pattern- Cell B - 2350 MHz



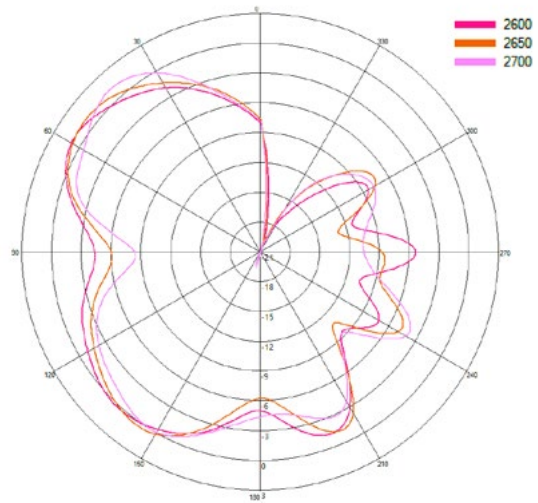
Typical H Plane- Cell B - Patterns- 2300-2400 MHz



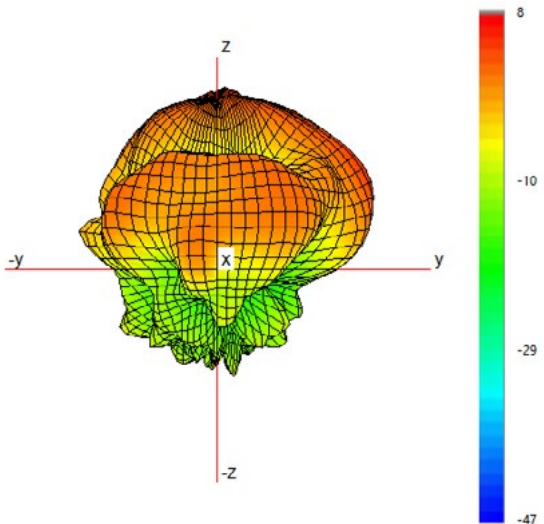
Typical 3D Pattern- Cell B - 2650 MHz



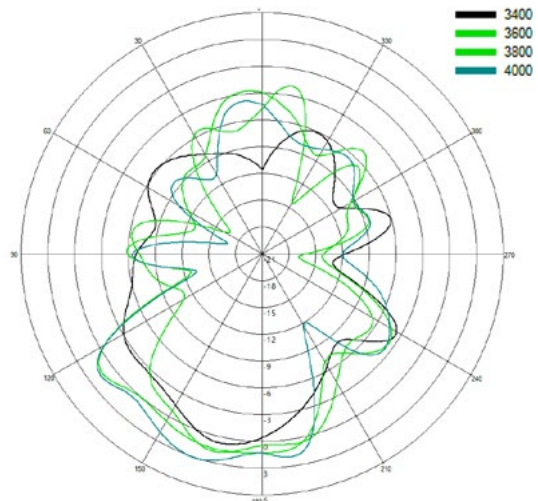
Typical H Plane- Cell B - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell B - 3600 MHz



Typical H Plane- Cell B - Patterns- 3400-4000 MHz

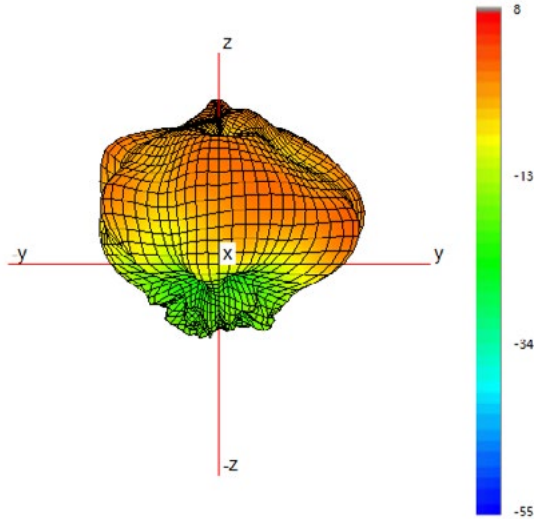


8x8 MiMo 4G/5G Dome Combination Antenna Range

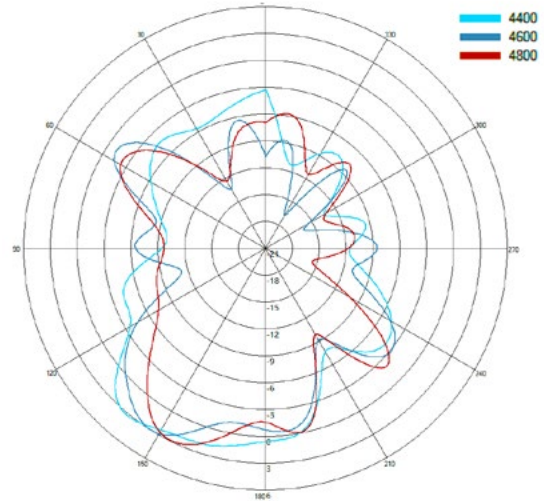
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell B

Typical 3D Pattern- Cell B - 4700 MHz



Typical H Plane- Cell B- Patterns- 4400-4800 MHz

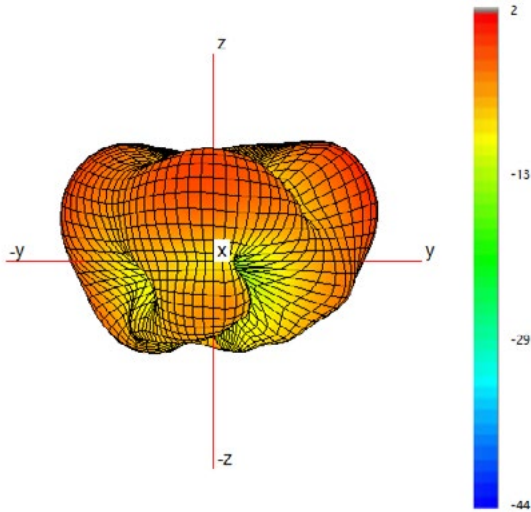


8x8 MiMo 4G/5G Dome Combination Antenna Range

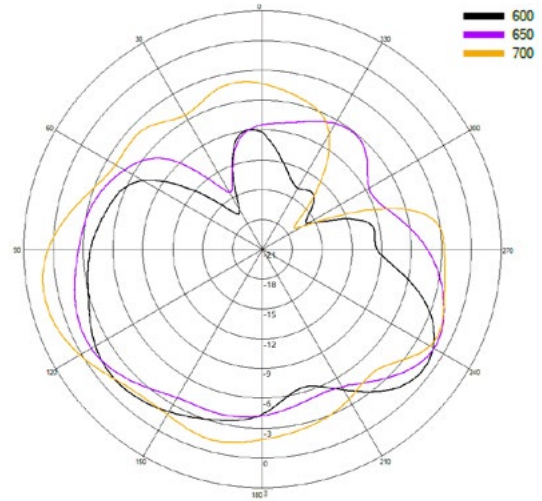
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell C

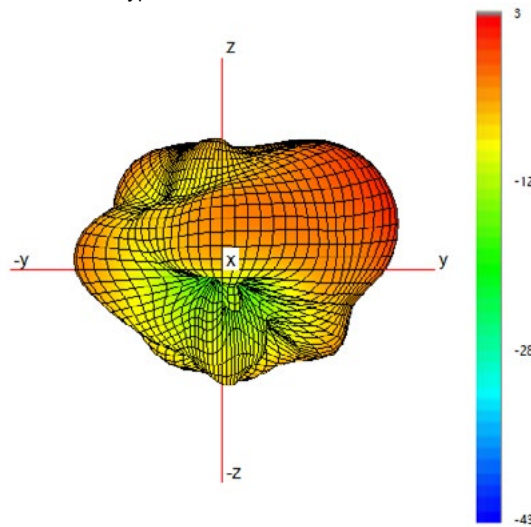
Typical 3D Pattern- Cell C - 650 MHz



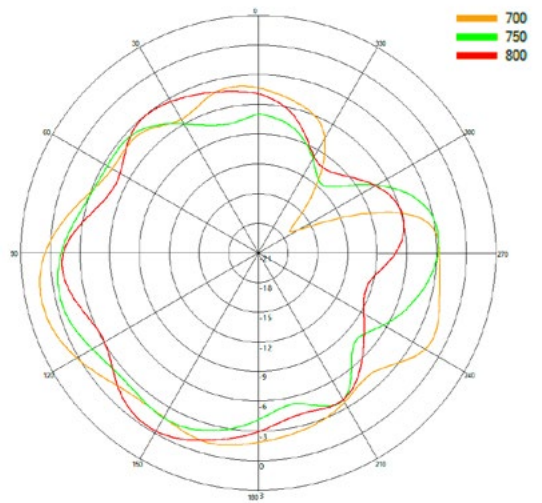
Typical H Plane- Cell C - Patterns- 600-700MHz



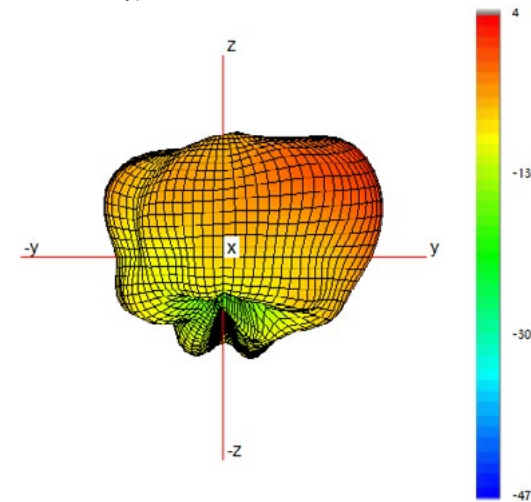
Typical 3D Pattern- Cell C - 750 MHz



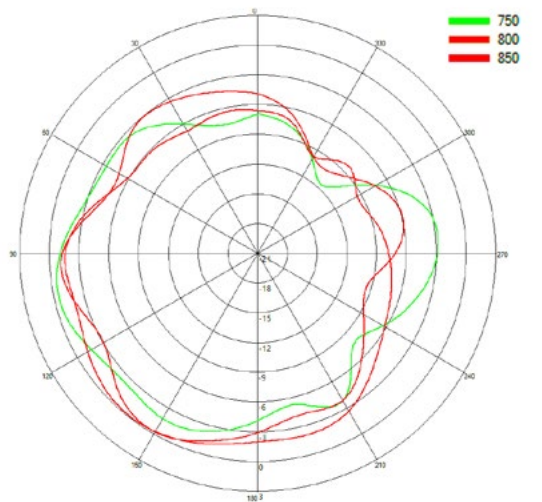
Typical H Plane- Cell C - Patterns- 700-800MHz



Typical 3D Pattern- Cell C - 850 MHz



Typical H Plane- Cell C - Patterns- 800-900MHz

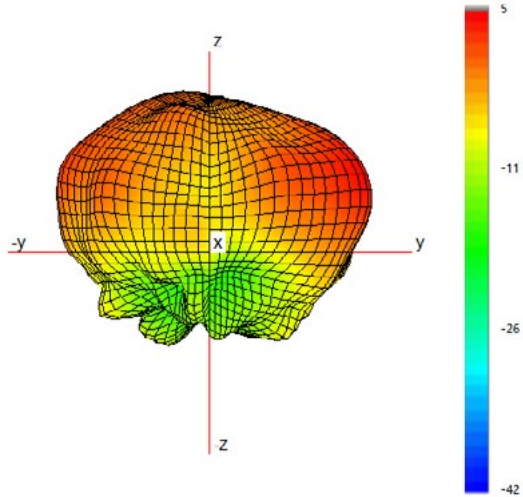


8x8 MiMo 4G/5G Dome Combination Antenna Range

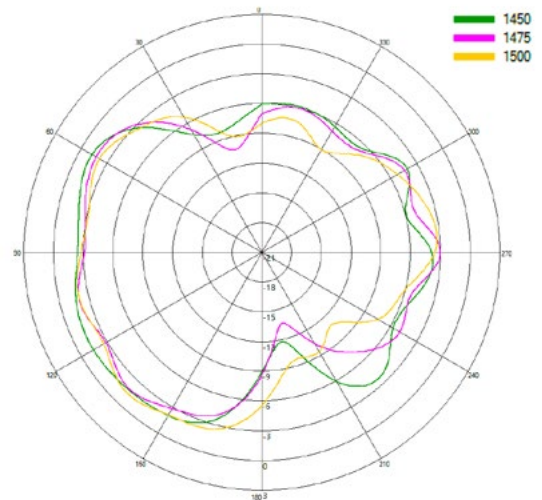
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell C

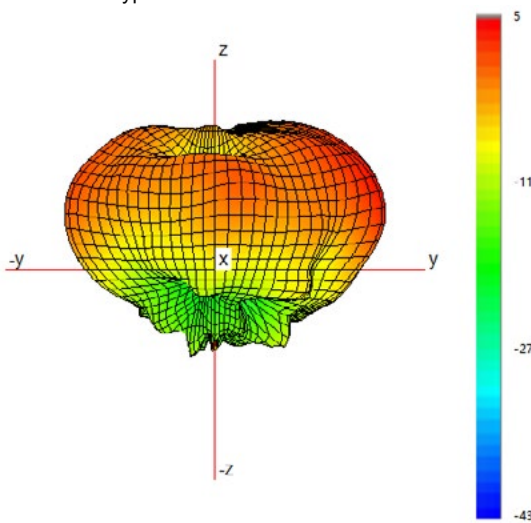
Typical 3D Pattern- Cell C - 1475 MHz



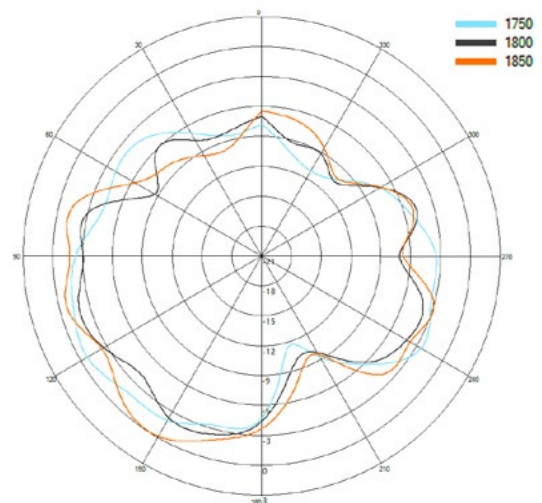
Typical H Plane- Cell C- Patterns- 1450-1500 MHz



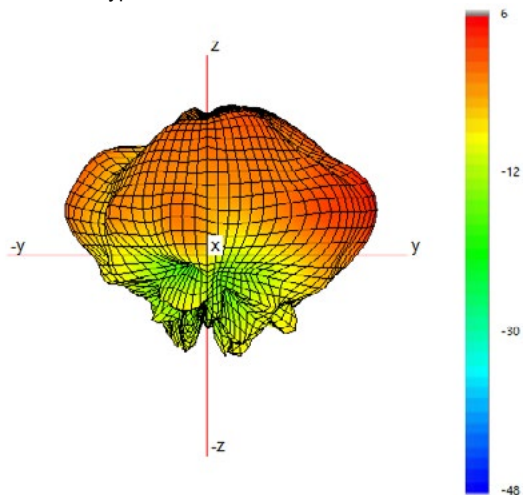
Typical 3D Pattern- Cell C - 1800 MHz



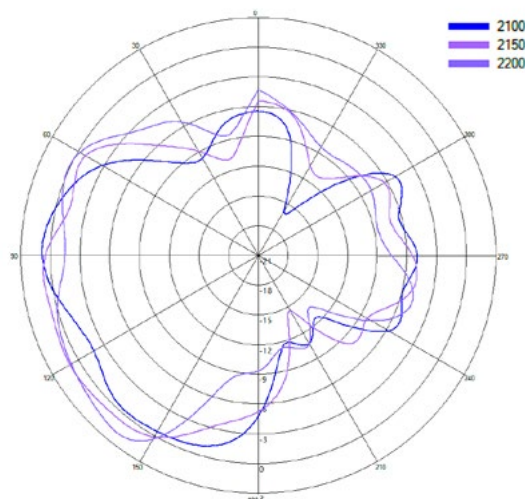
Typical H Plane- Cell C- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell C - 2150 MHz



Typical H Plane- Cell C- Patterns- 2100-2200 MHz

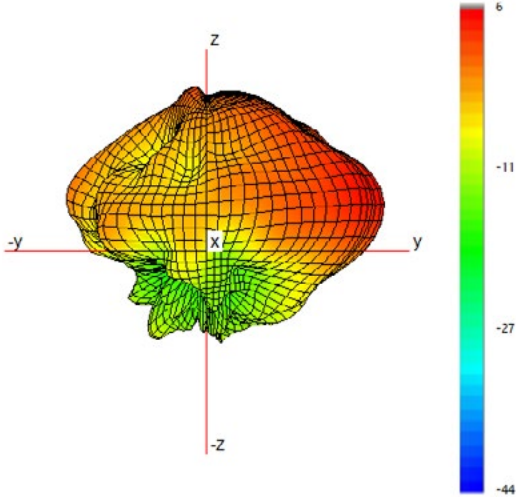


8x8 MiMo 4G/5G Dome Combination Antenna Range

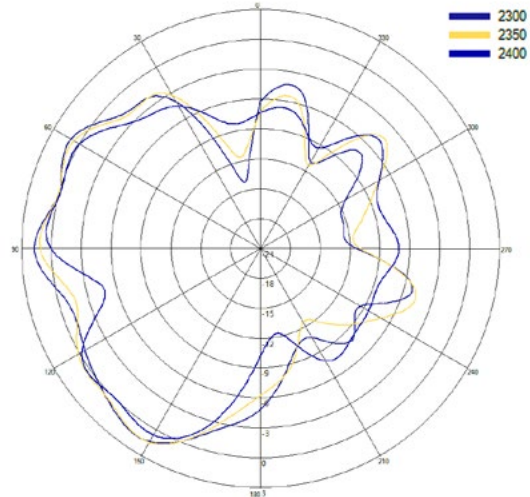
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell C

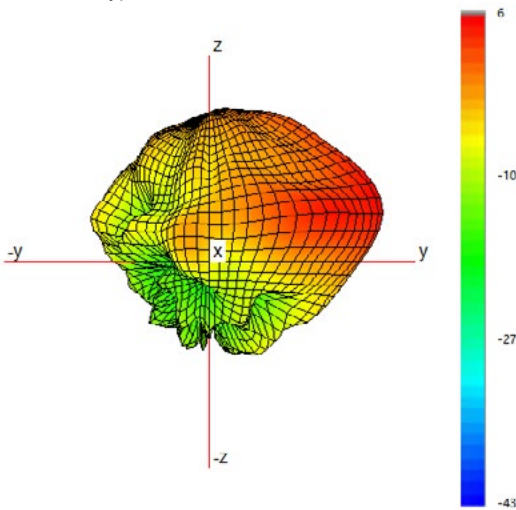
Typical 3D Pattern- Cell C - 2350 MHz



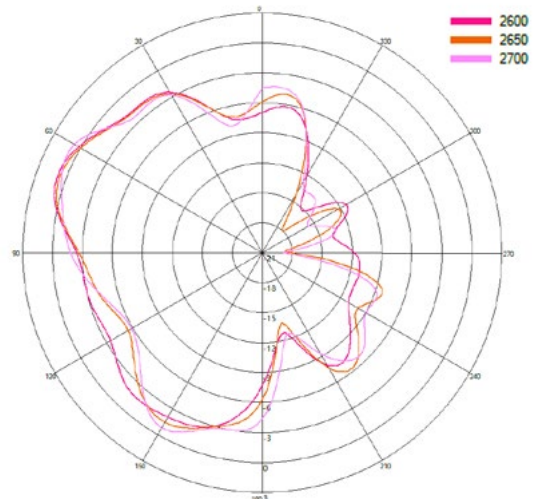
Typical H Plane- Cell C - Patterns- 2300-2400 MHz



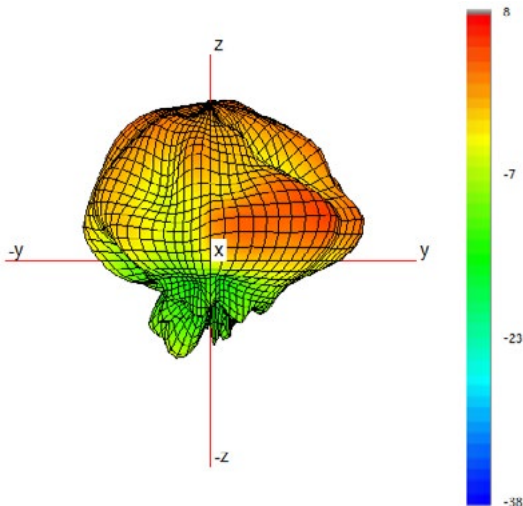
Typical 3D Pattern- Cell C - 2650 MHz



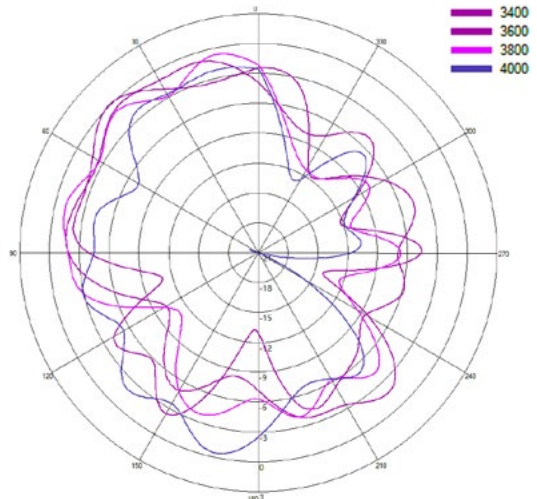
Typical H Plane- Cell C - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell C - 3600 MHz



Typical H Plane- Cell C - Patterns- 3400-4000 MHz

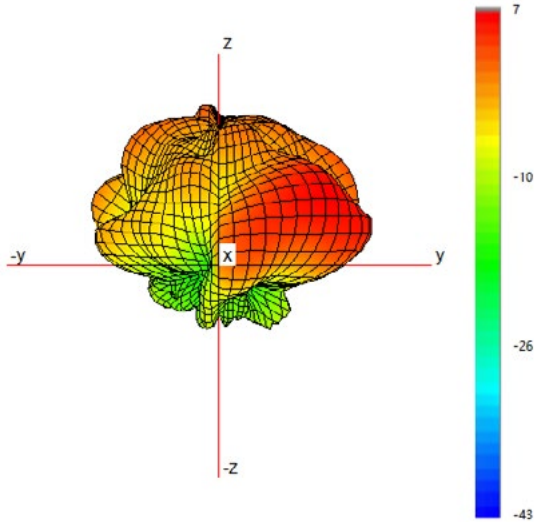


8x8 MiMo 4G/5G Dome Combination Antenna Range

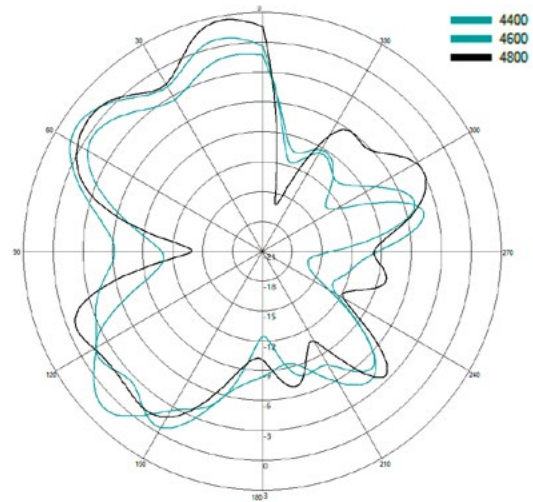
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell C

Typical 3D Pattern- Cell C - 4700 MHz



Typical H Plane- Cell C- Patterns- 4400-4800 MHz

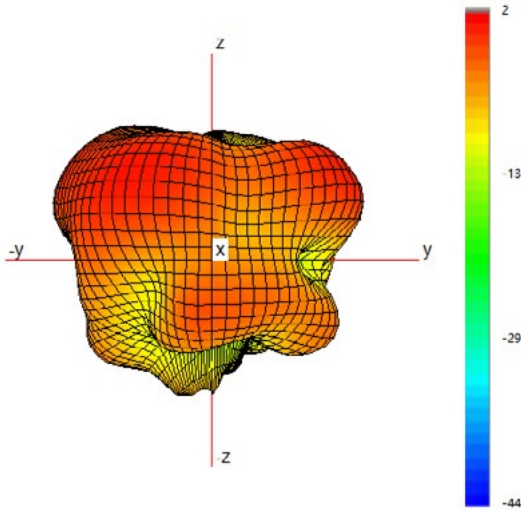


8x8 MiMo 4G/5G Dome Combination Antenna Range

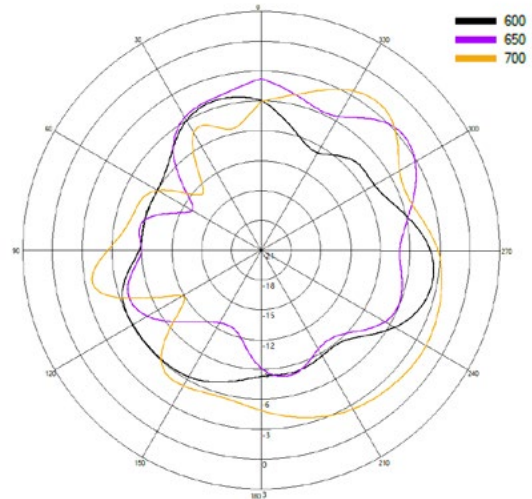
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell D

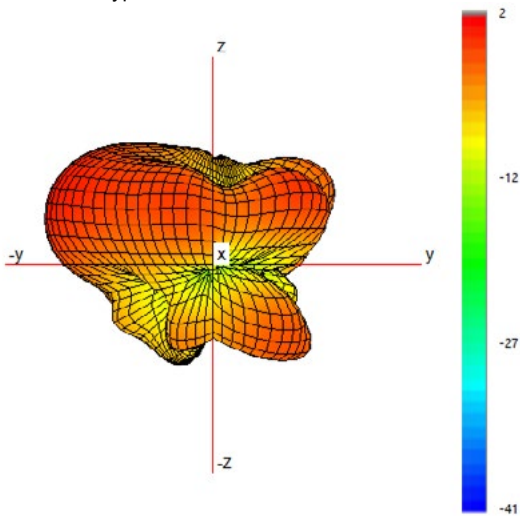
Typical 3D Pattern- Cell D - 650 MHz



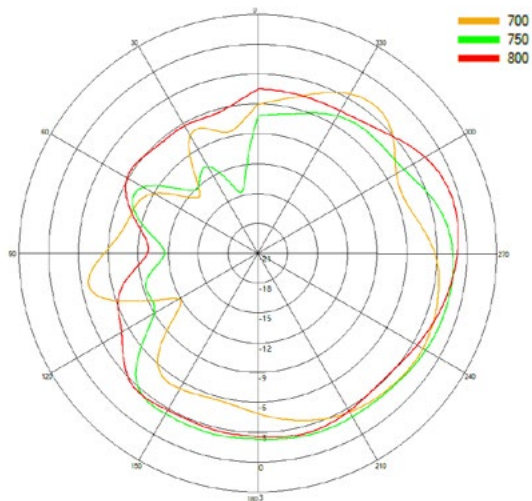
Typical H Plane- Cell D - Patterns- 600-700MHz



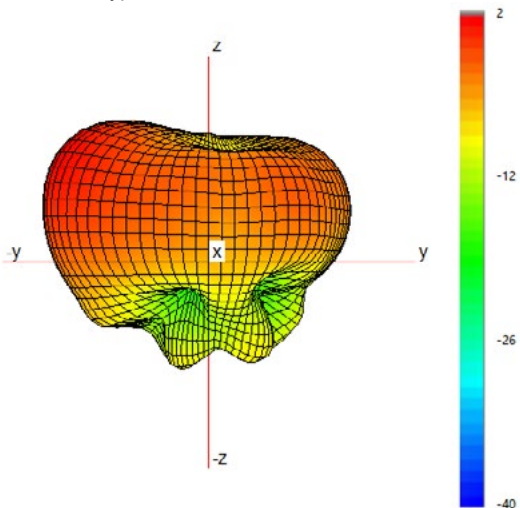
Typical 3D Pattern- Cell D - 750 MHz



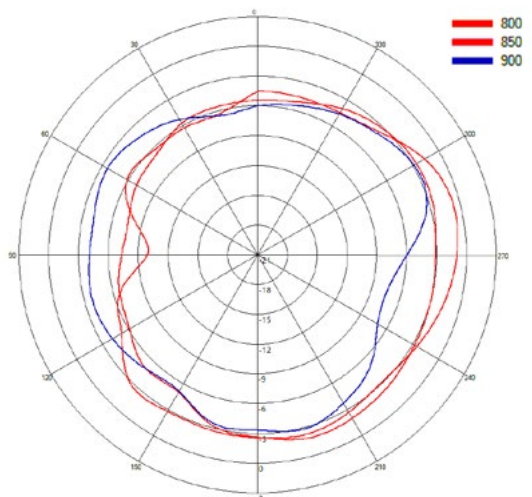
Typical H Plane- Cell D - Patterns- 700-800MHz



Typical 3D Pattern- Cell D - 850 MHz



Typical H Plane- Cell D- Patterns- 800-900MHz

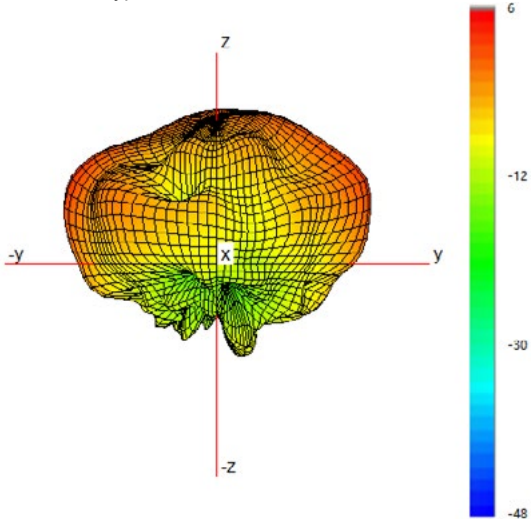


8x8 MiMo 4G/5G Dome Combination Antenna Range

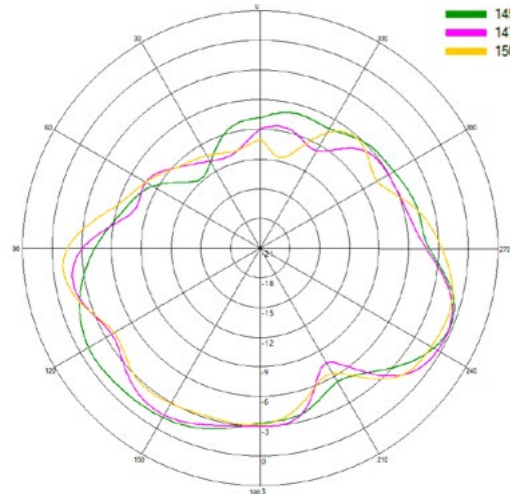
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell D

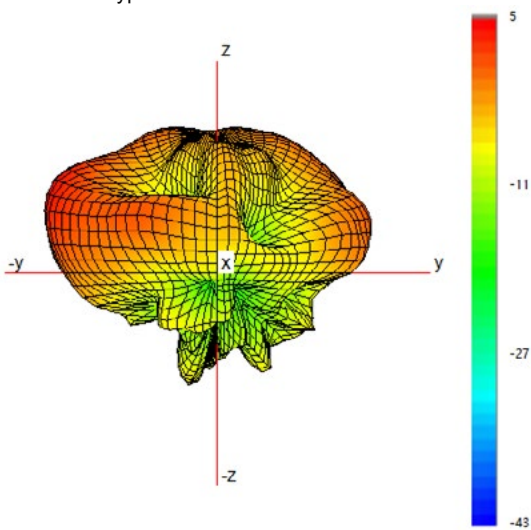
Typical 3D Pattern- Cell D - 1475 MHz



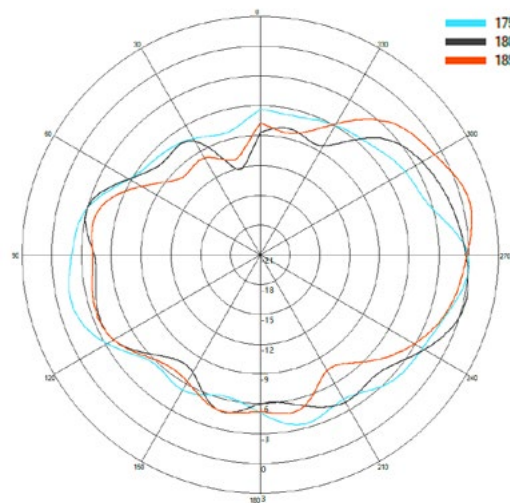
Typical H Plane- Cell D- Patterns- 1450-1500 MHz



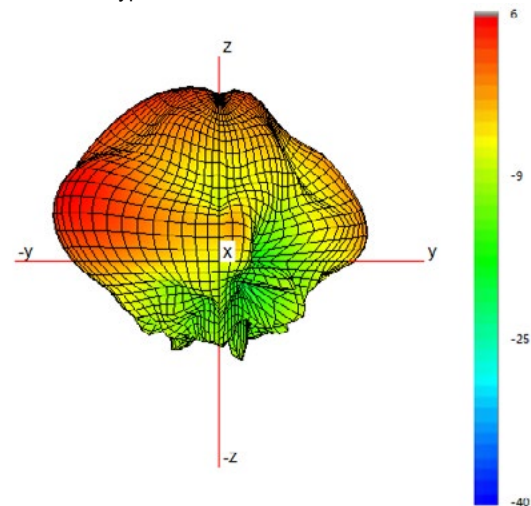
Typical 3D Pattern- Cell D- 1800 MHz



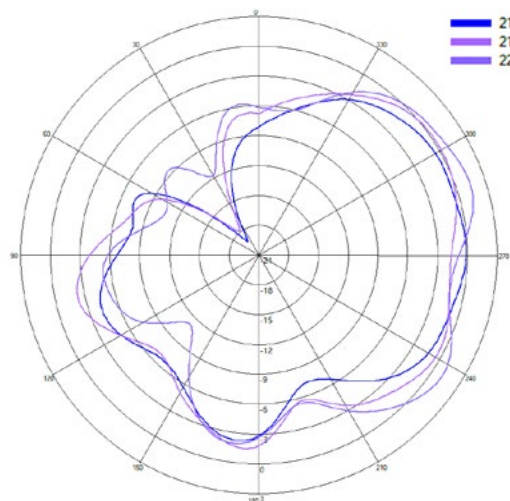
Typical H Plane- Cell D- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell D - 2150 MHz



Typical H Plane- Cell D- Patterns- 2100-2200 MHz

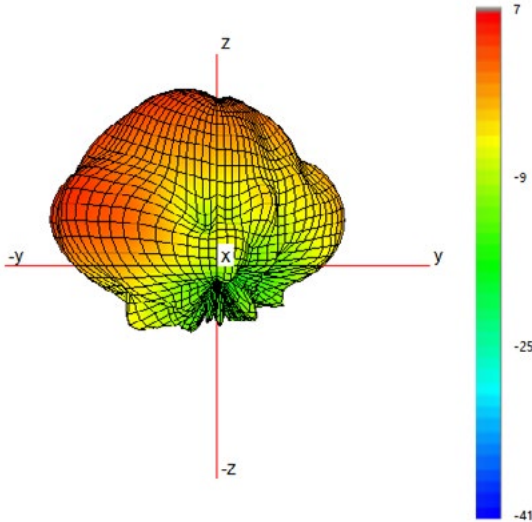


8x8 MiMo 4G/5G Dome Combination Antenna Range

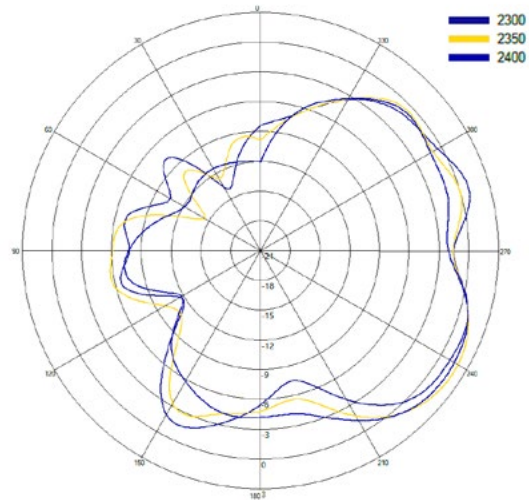
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell D

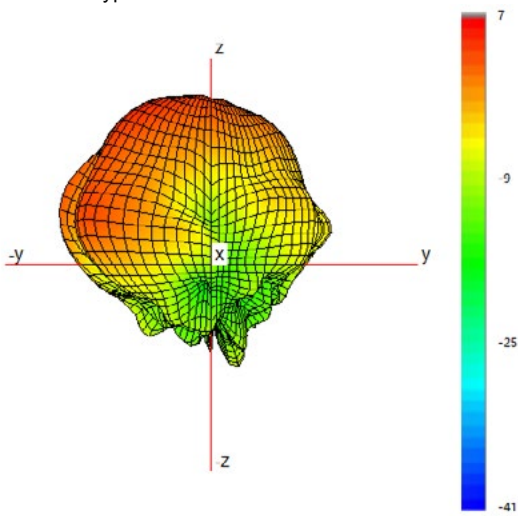
Typical 3D Pattern- Cell D - 2350 MHz



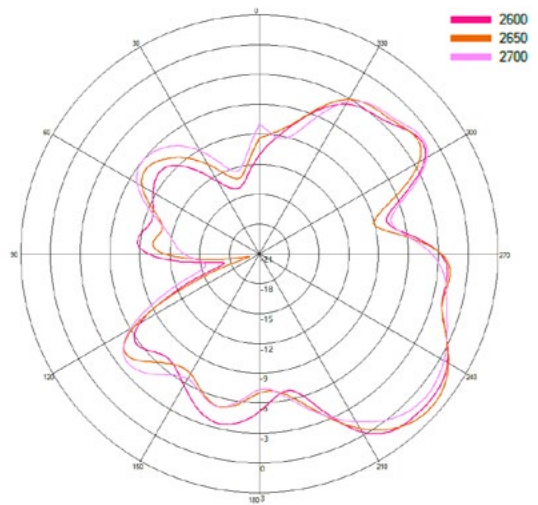
Typical H Plane- Cell D - Patterns- 2300-2400 MHz



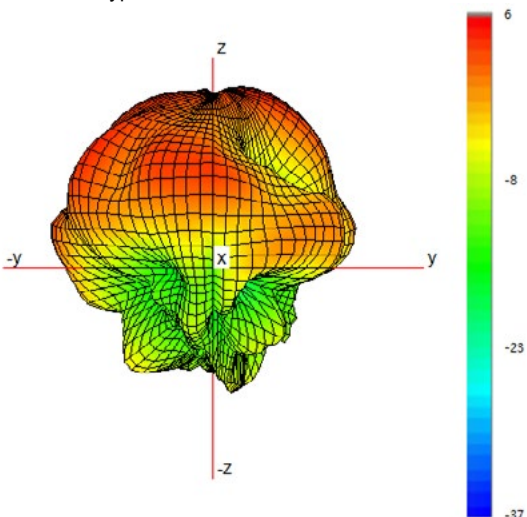
Typical 3D Pattern- Cell D - 2650 MHz



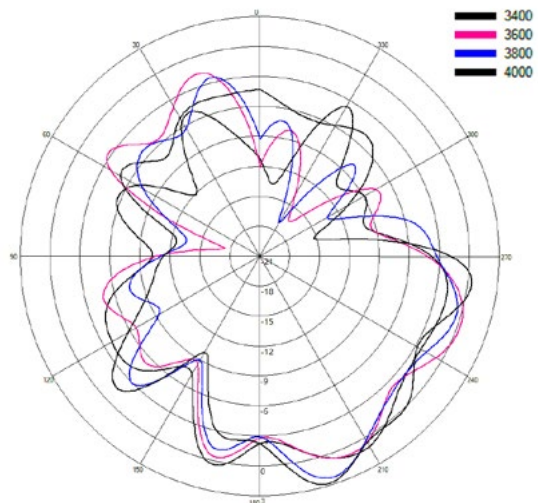
Typical H Plane- Cell D - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell D - 3600 MHz



Typical H Plane- Cell D - Patterns- 3400-4000 MHz

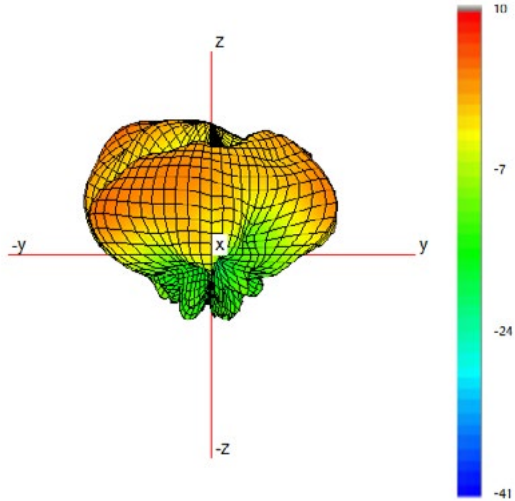


8x8 MiMo 4G/5G Dome Combination Antenna Range

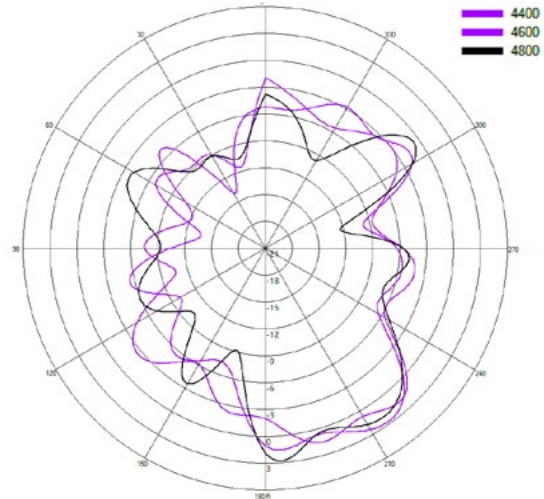
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell D

Typical 3D Pattern- Cell D - 4700 MHz



Typical H Plane- Cell D- Patterns- 4400-4800 MHz

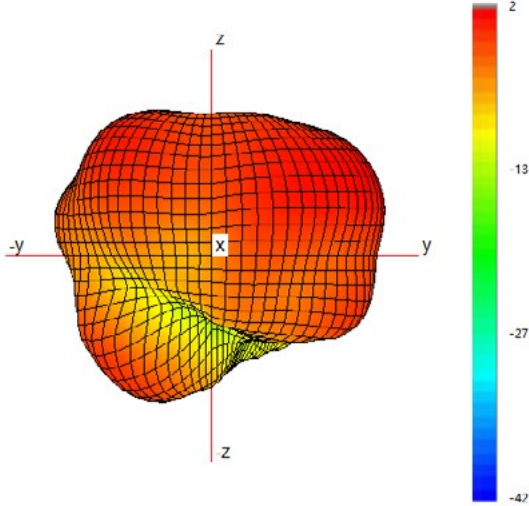


8x8 MiMo 4G/5G Dome Combination Antenna Range

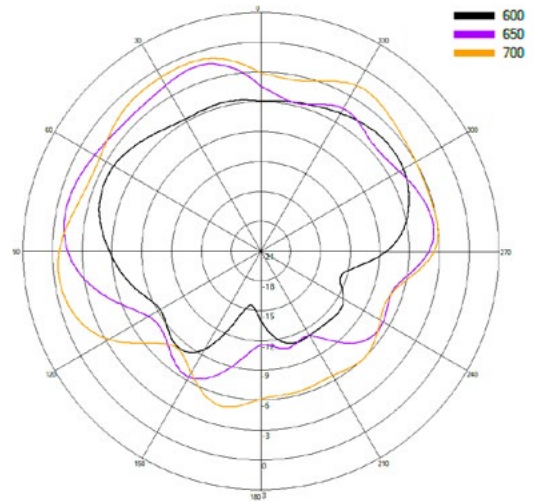
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell E

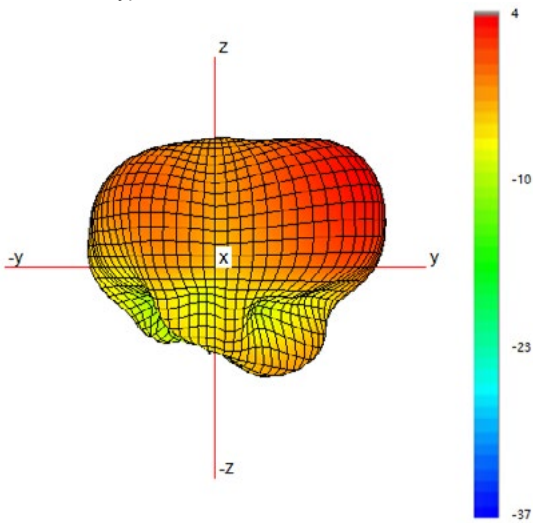
Typical 3D Pattern- Cell E - 650 MHz



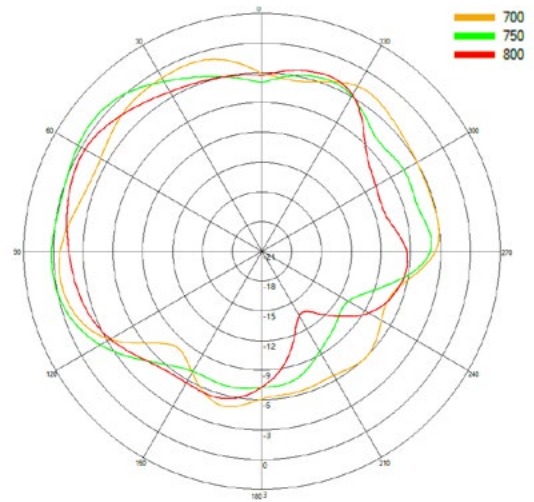
Typical H Plane- Cell E - Patterns- 600-700MHz



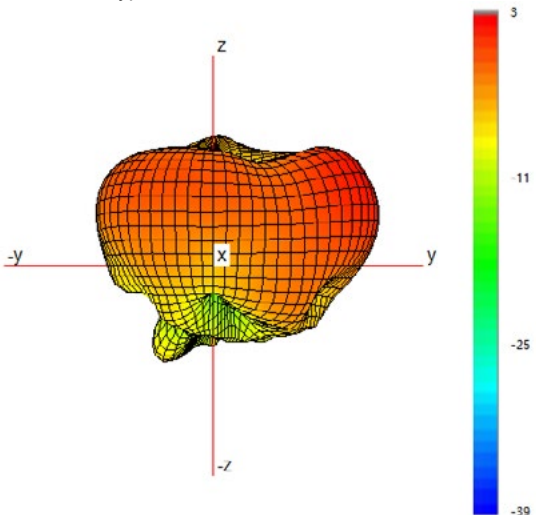
Typical 3D Pattern- Cell E - 750 MHz



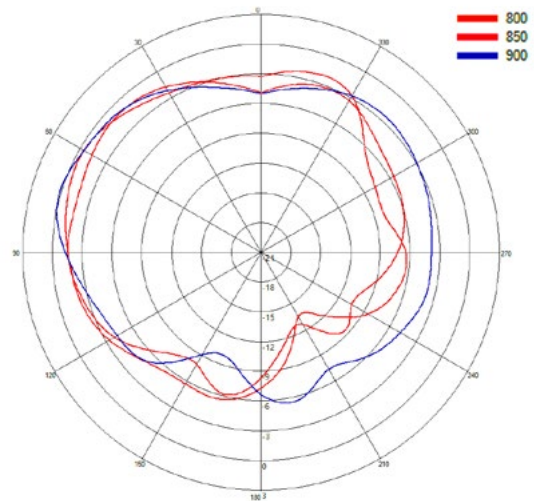
Typical H Plane- Cell E - Patterns- 700-800MHz



Typical 3D Pattern- Cell E - 850 MHz



Typical H Plane- Cell E- Patterns- 800-900MHz

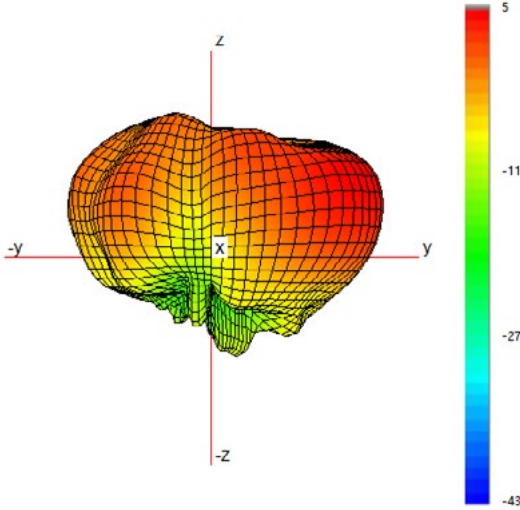


8x8 MiMo 4G/5G Dome Combination Antenna Range

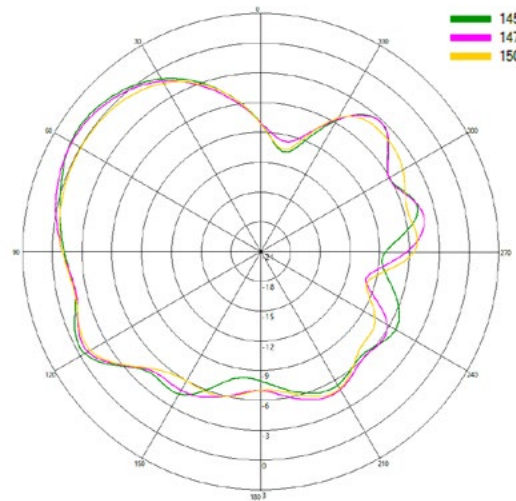
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell E

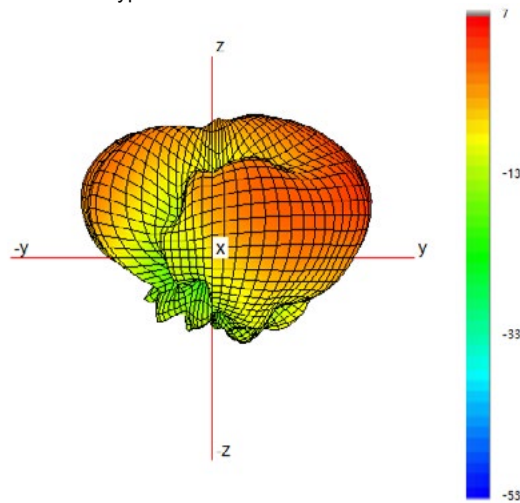
Typical 3D Pattern- Cell E - 1475 MHz



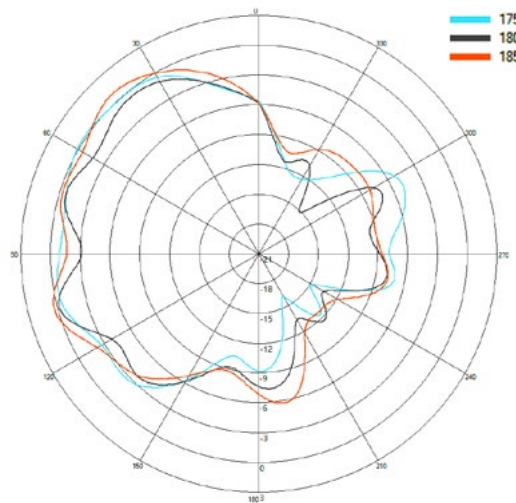
Typical H Plane- Cell E- Patterns- 1450-1500 MHz



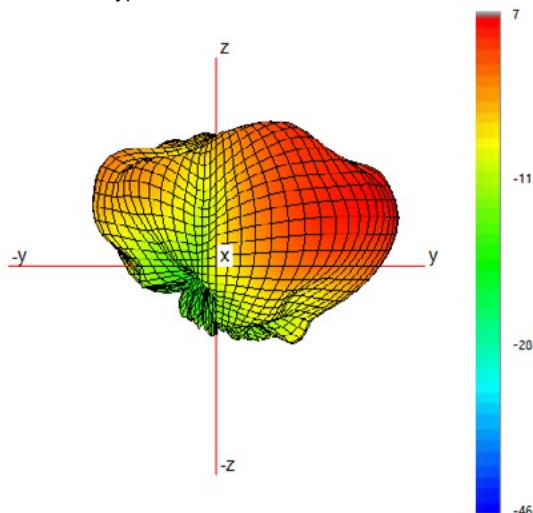
Typical 3D Pattern- Cell E- 1800 MHz



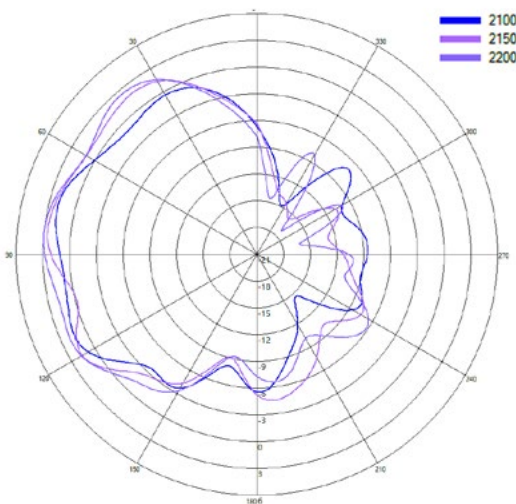
Typical H Plane- Cell E- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell E - 2150 MHz



Typical H Plane- Cell E- Patterns- 2100-2200 MHz

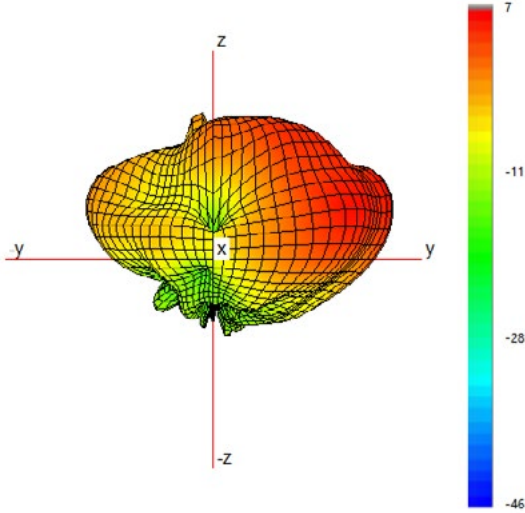


8x8 MiMo 4G/5G Dome Combination Antenna Range

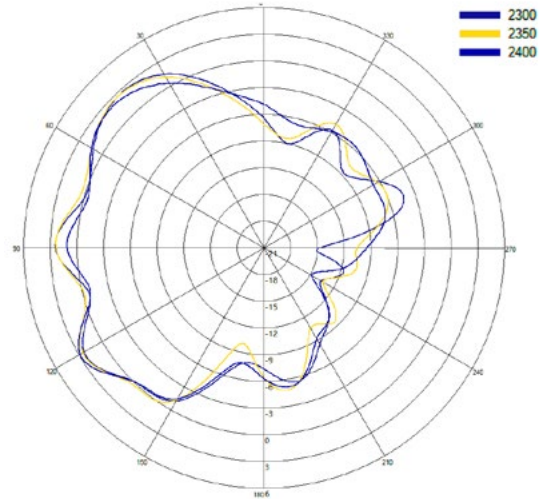
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell E

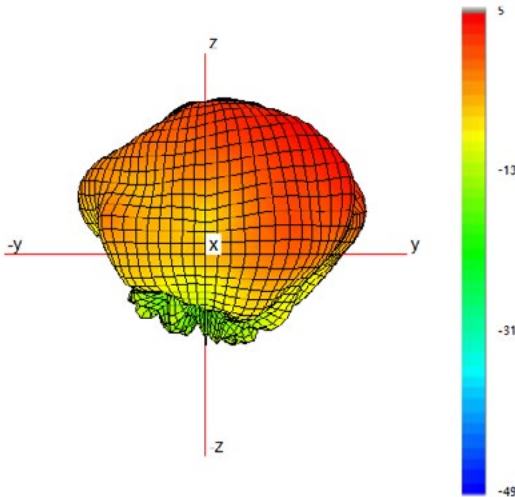
Typical 3D Pattern- Cell E - 2350 MHz



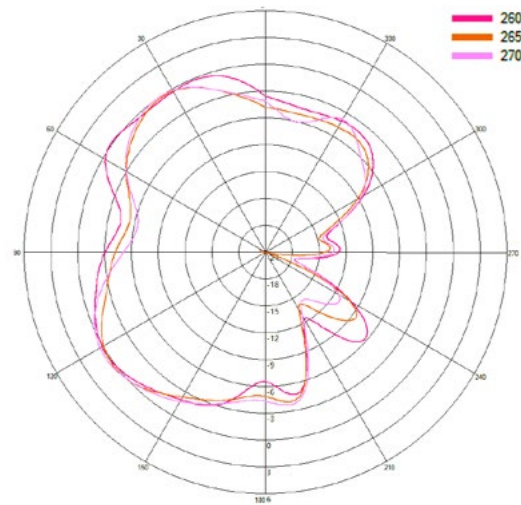
Typical H Plane- Cell E - Patterns- 2300-2400 MHz



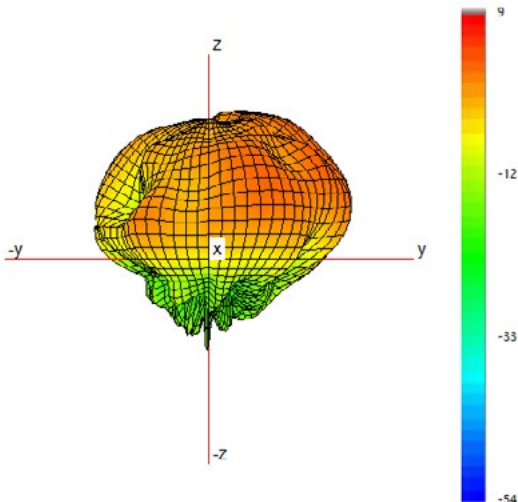
Typical 3D Pattern- Cell E - 2650 MHz



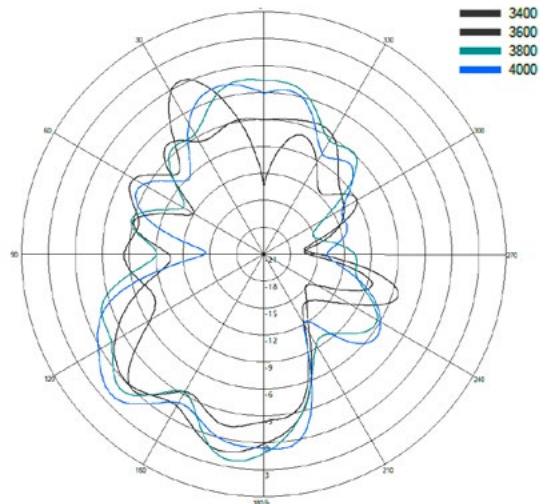
Typical H Plane- Cell E - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell E - 3600 MHz



Typical H Plane- Cell E - Patterns- 3400-4000 MHz

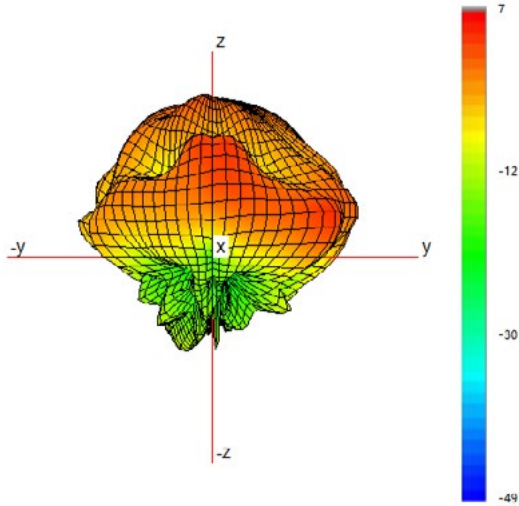


8x8 MiMo 4G/5G Dome Combination Antenna Range

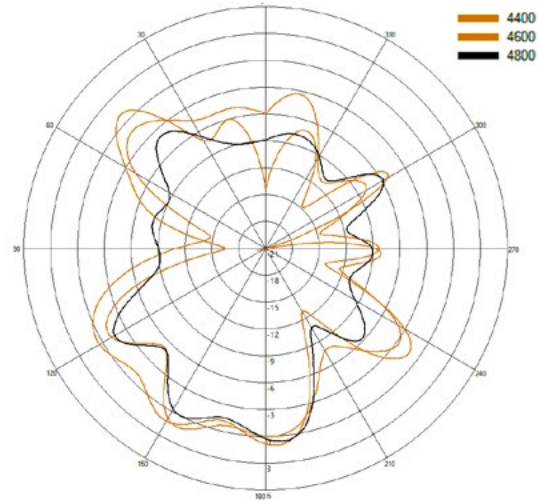
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell E

Typical 3D Pattern- Cell E - 4700 MHz



Typical H Plane- Cell E- Patterns- 4400-4800 MHz

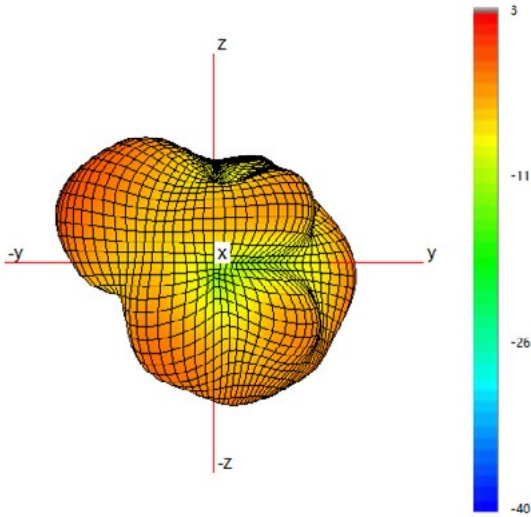


8x8 MiMo 4G/5G Dome Combination Antenna Range

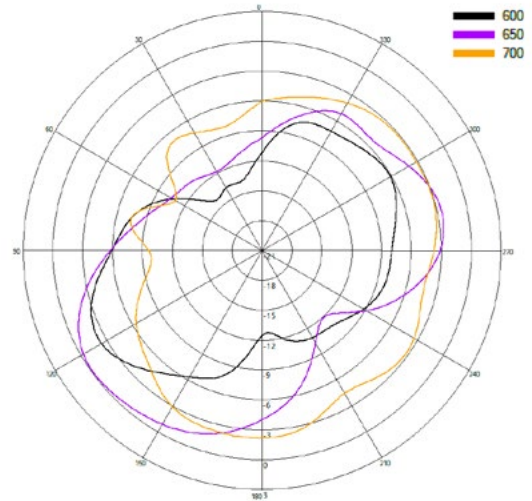
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell F

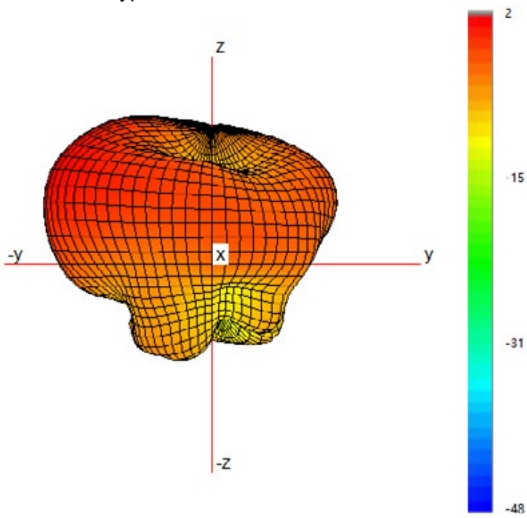
Typical 3D Pattern- Cell F - 650 MHz



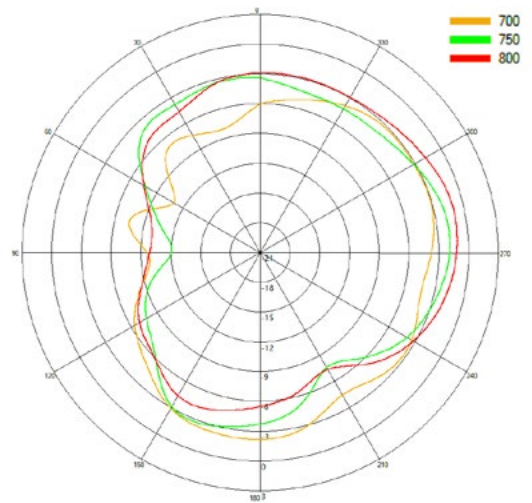
Typical H Plane- Cell F - Patterns- 600-700MHz



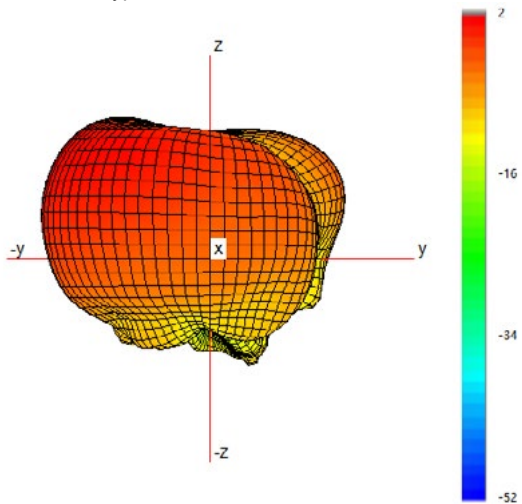
Typical 3D Pattern- Cell F - 750 MHz



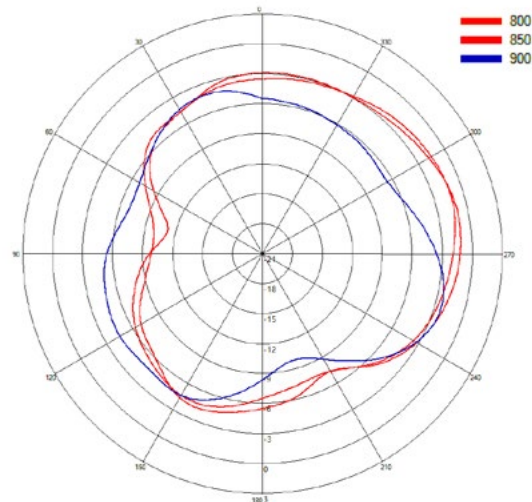
Typical H Plane- Cell F - Patterns- 700-800MHz



Typical 3D Pattern- Cell F - 850 MHz



Typical H Plane- Cell F - Patterns- 800-900MHz

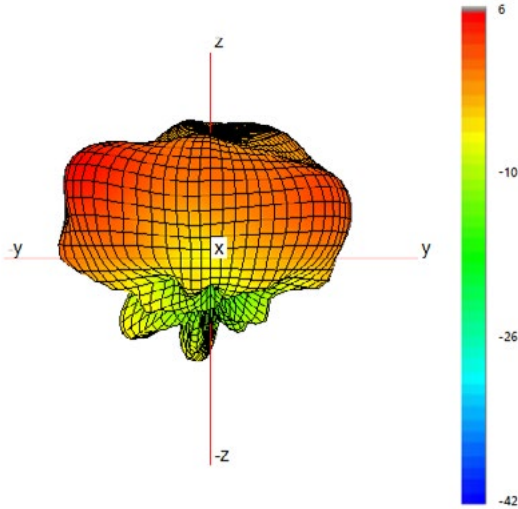


8x8 MiMo 4G/5G Dome Combination Antenna Range

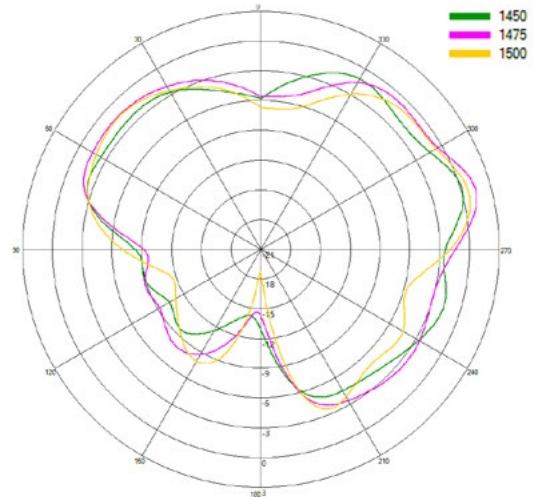
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell F

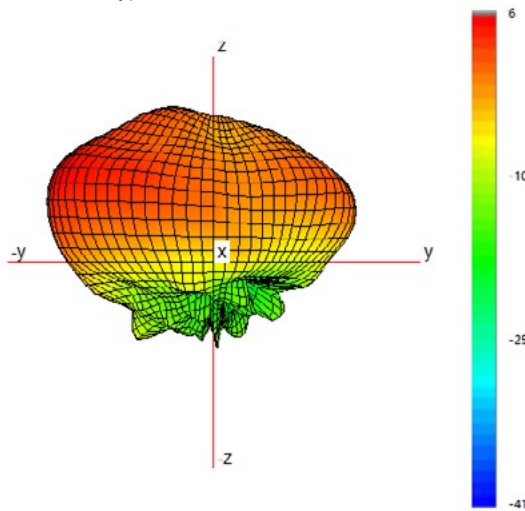
Typical 3D Pattern- Cell F - 1475 MHz



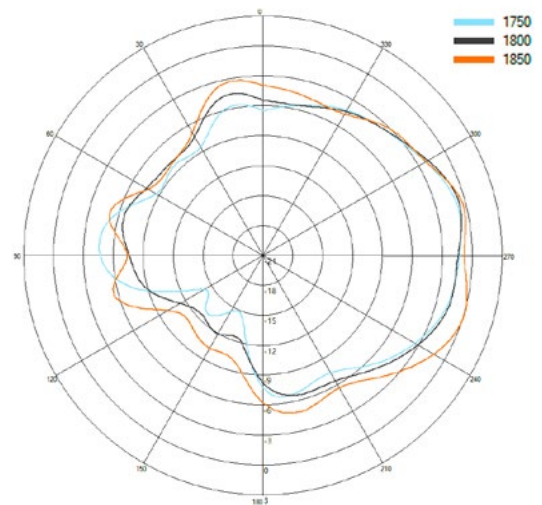
Typical H Plane- Cell F- Patterns- 1450-1500 MHz



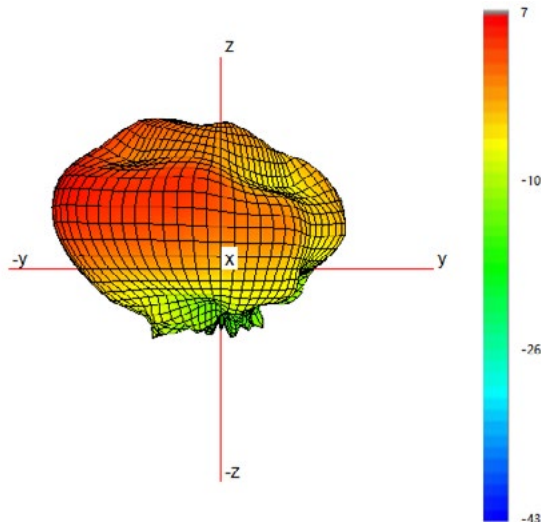
Typical 3D Pattern- Cell F - 1800 MHz



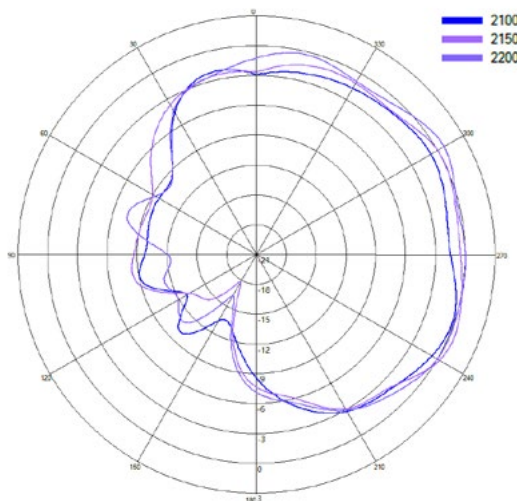
Typical H Plane- Cell F- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell F - 2150 MHz



Typical H Plane- Cell F- Patterns- 2100-2200 MHz

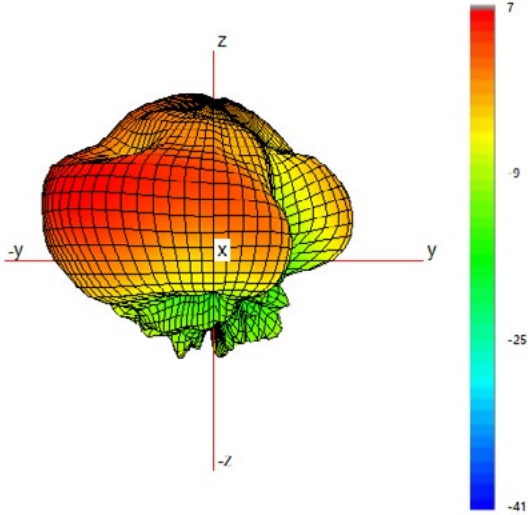


8x8 MiMo 4G/5G Dome Combination Antenna Range

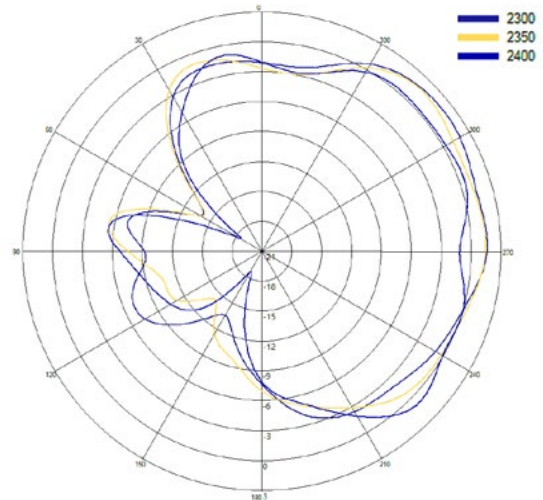
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell F

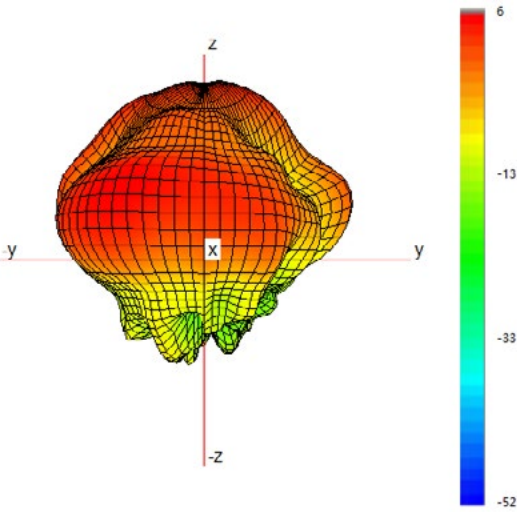
Typical 3D Pattern- Cell F - 2350 MHz



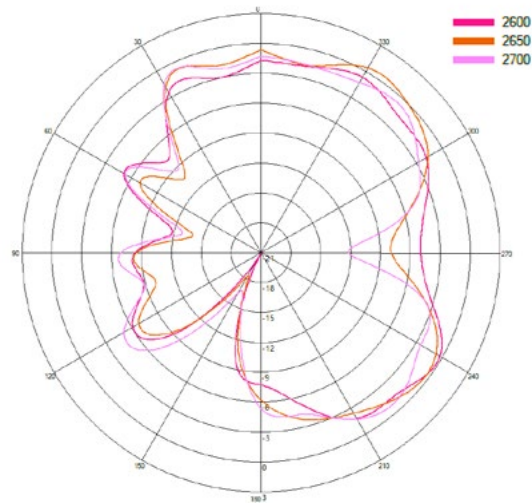
Typical H Plane- Cell F - Patterns- 2300-2400 MHz



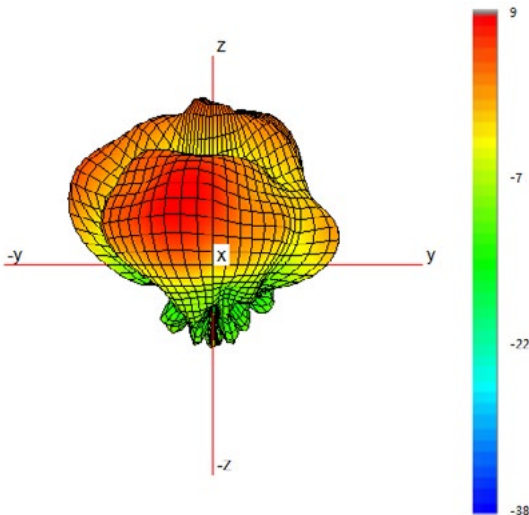
Typical 3D Pattern- Cell F - 2650 MHz



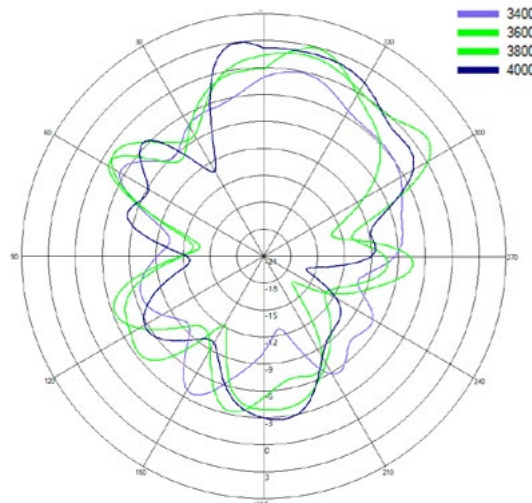
Typical H Plane- Cell F - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell F - 3600 MHz



Typical H Plane- Cell F - Patterns- 3400-4000 MHz

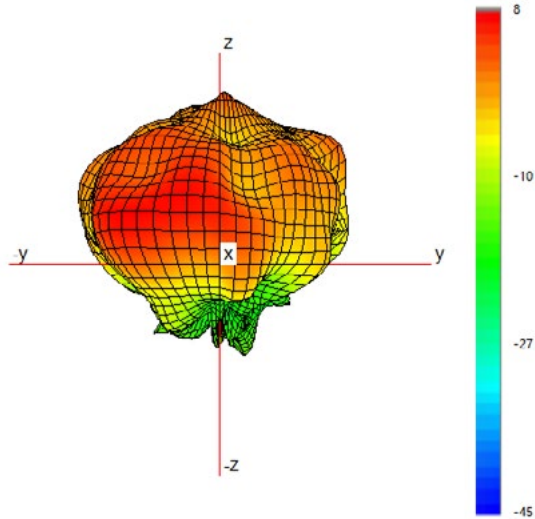


8x8 MiMo 4G/5G Dome Combination Antenna Range

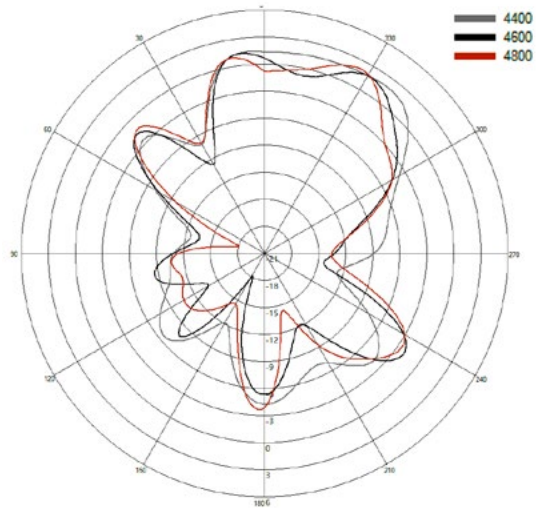
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell F

Typical 3D Pattern- Cell F - 4700 MHz



Typical H Plane- Cell F - Patterns- 4400-4800 MHz

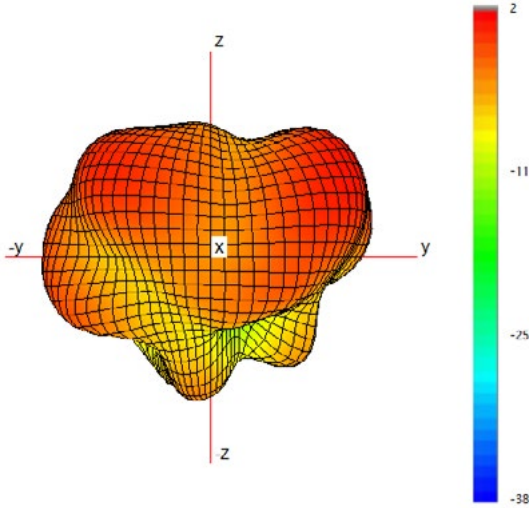


8x8 MiMo 4G/5G Dome Combination Antenna Range

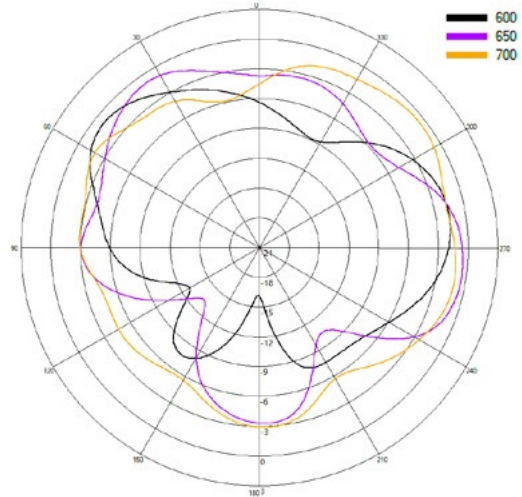
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell G

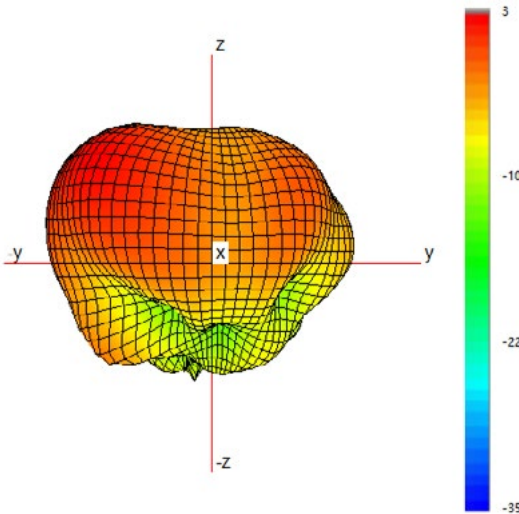
Typical 3D Pattern- Cell G - 650 MHz



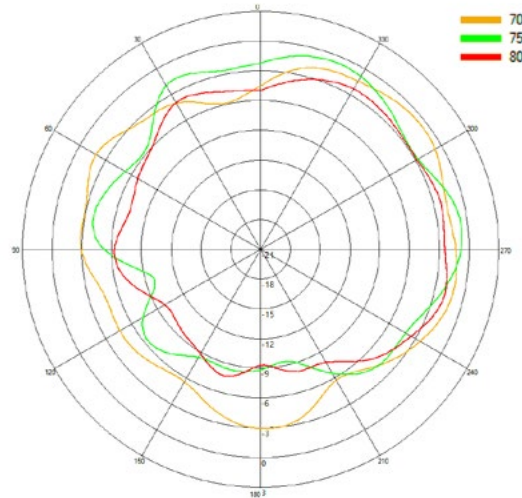
Typical H Plane- Cell G - Patterns- 600-700MHz



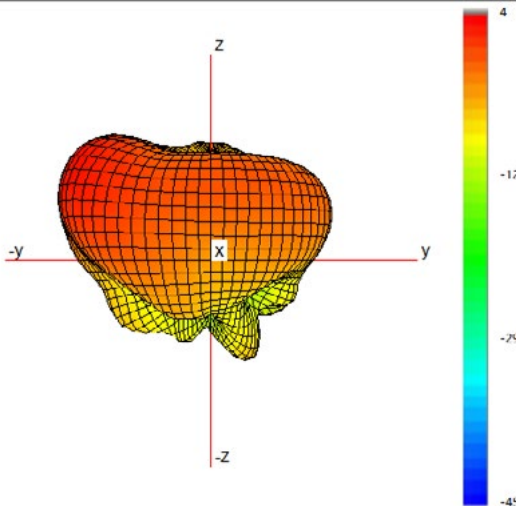
Typical 3D Pattern- Cell G - 750 MHz



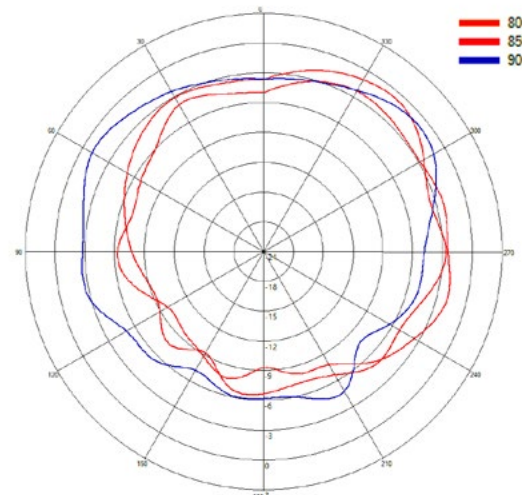
Typical H Plane- Cell G - Patterns- 700-800MHz



Typical 3D Pattern- Cell G - 850 MHz



Typical H Plane- Cell G- Patterns- 800-900MHz

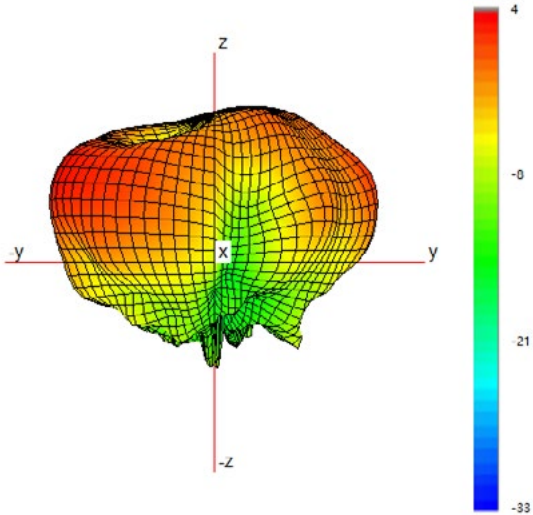


8x8 MiMo 4G/5G Dome Combination Antenna Range

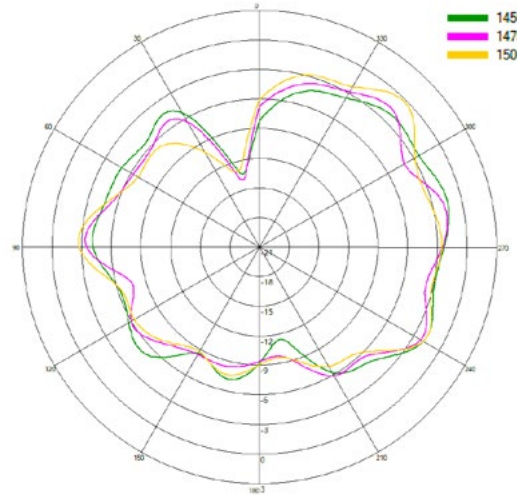
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell G

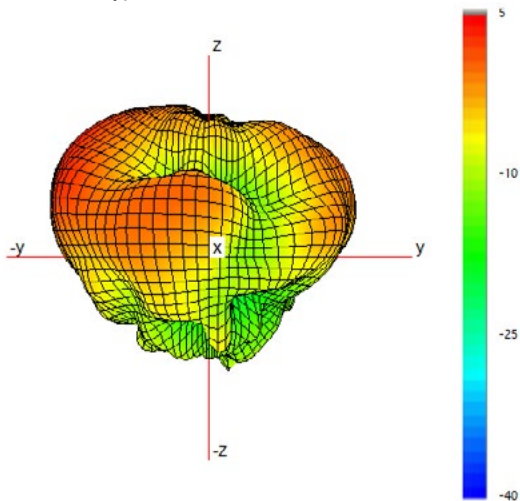
Typical 3D Pattern- Cell G - 1475 MHz



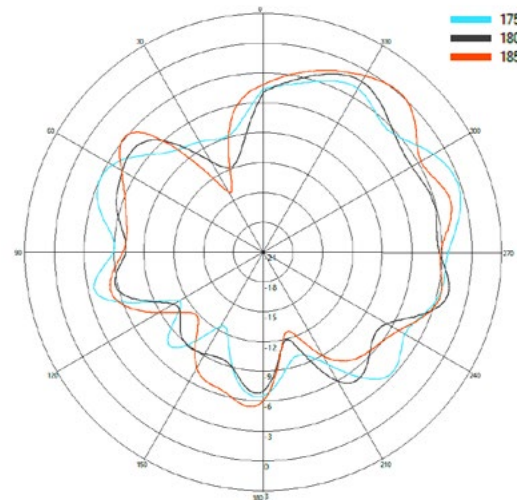
Typical H Plane- Cell G- Patterns- 1450-1500 MHz



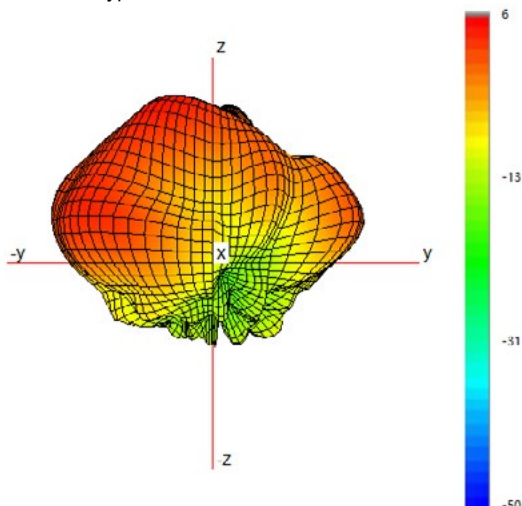
Typical 3D Pattern- Cell G- 1800 MHz



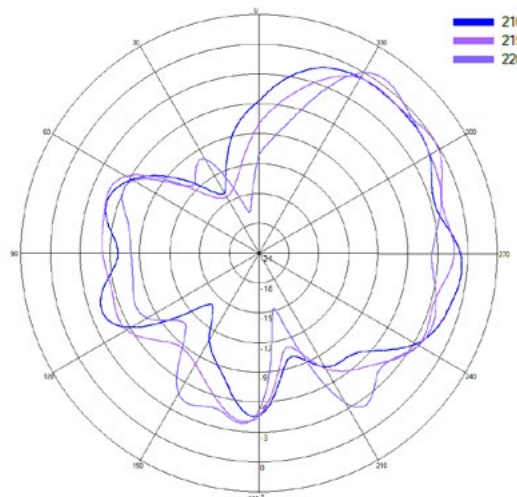
Typical H Plane- Cell G- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell G - 2150 MHz



Typical H Plane- Cell G- Patterns- 2100-2200 MHz

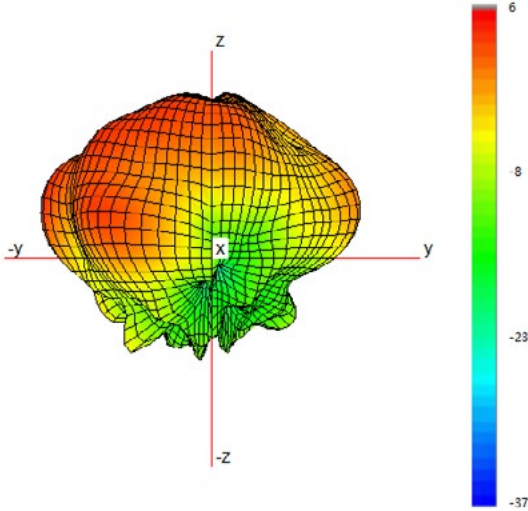


8x8 MiMo 4G/5G Dome Combination Antenna Range

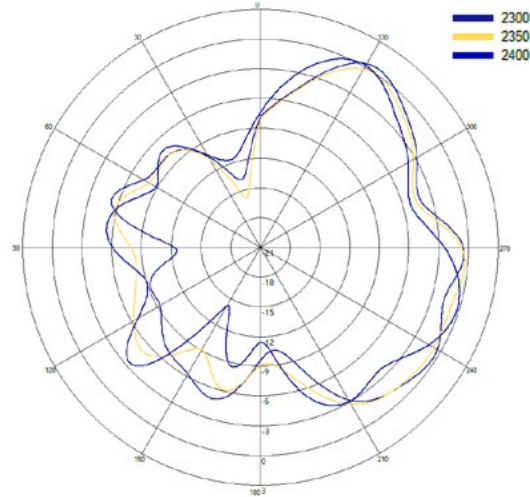
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell G

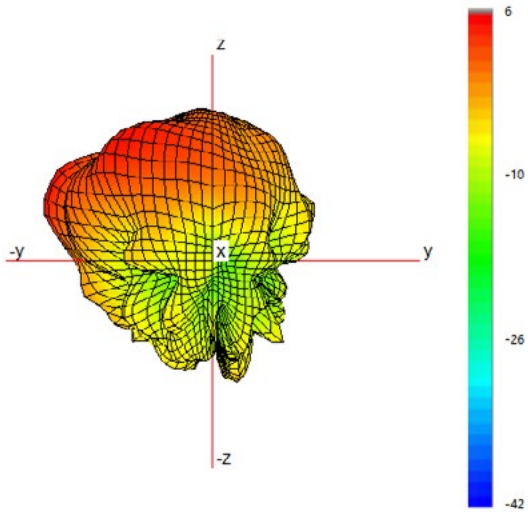
Typical 3D Pattern- Cell G - 2350 MHz



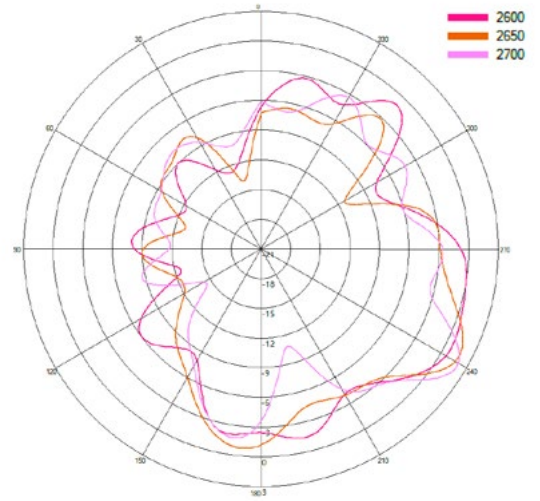
Typical H Plane- Cell G - Patterns- 2300-2400 MHz



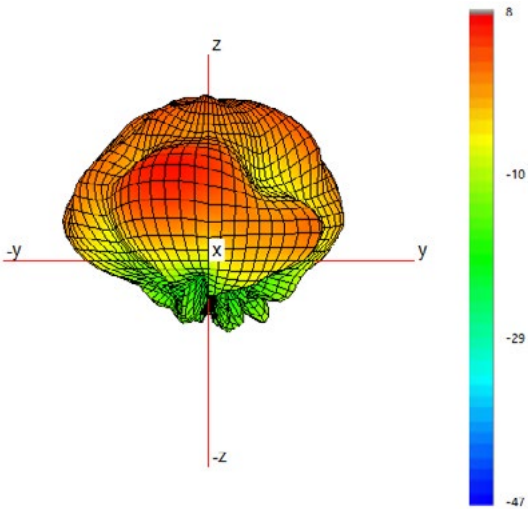
Typical 3D Pattern- Cell G - 2650 MHz



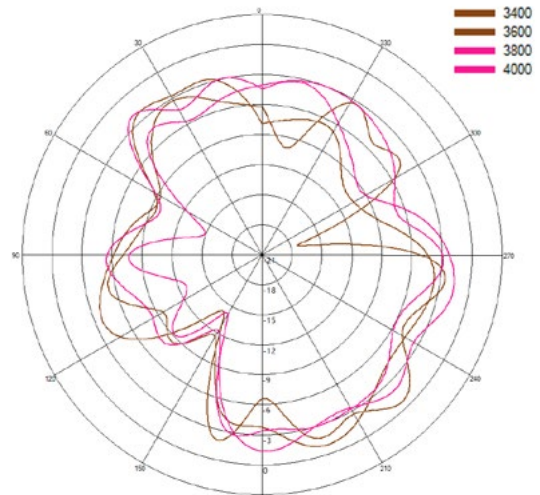
Typical H Plane- Cell G - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell G - 3600 MHz



Typical H Plane- Cell G - Patterns- 3400-4000 MHz

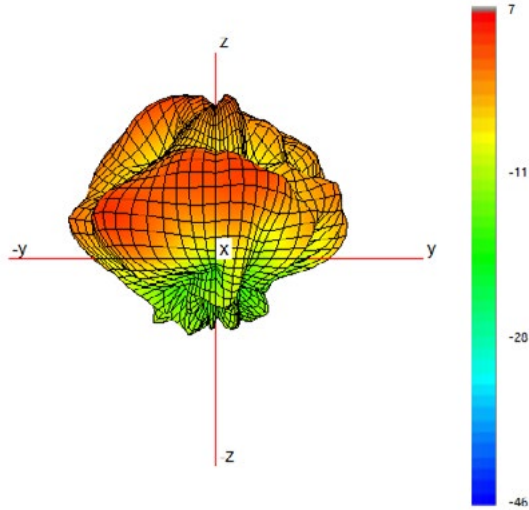


8x8 MiMo 4G/5G Dome Combination Antenna Range

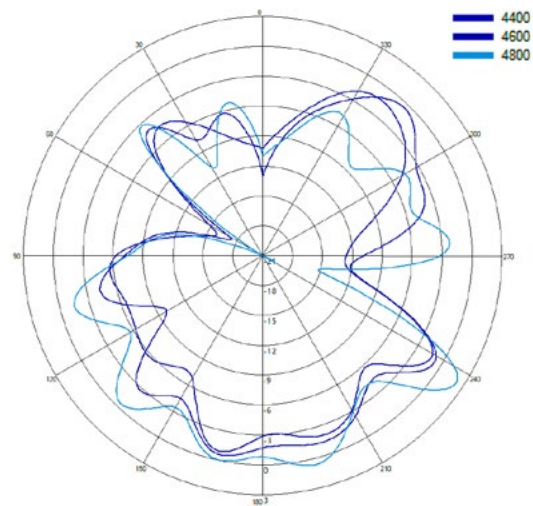
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell G

Typical 3D Pattern- Cell G - 4700 MHz



Typical H Plane- Cell G - Patterns- 4400-4800 MHz

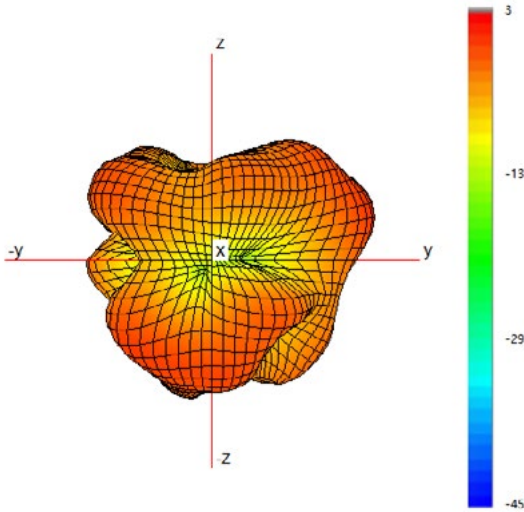


8x8 MiMo 4G/5G Dome Combination Antenna Range

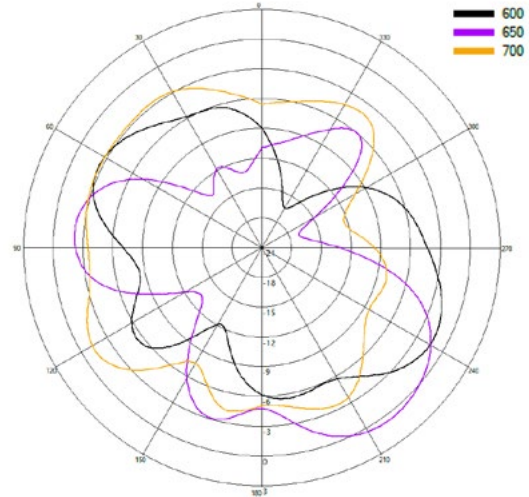
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell H

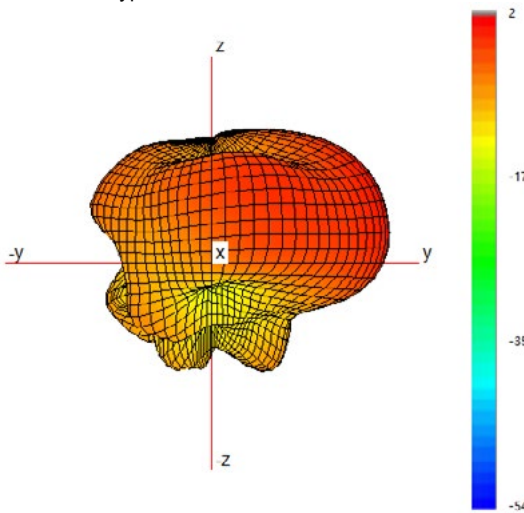
Typical 3D Pattern- Cell H - 650 MHz



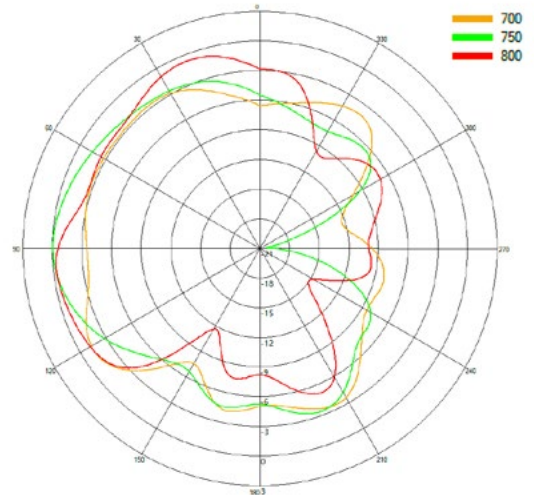
Typical H Plane- Cell H - Patterns- 600-700MHz



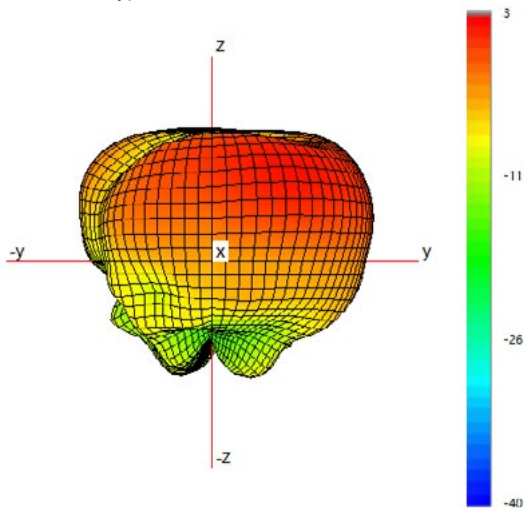
Typical 3D Pattern- Cell H - 750 MHz



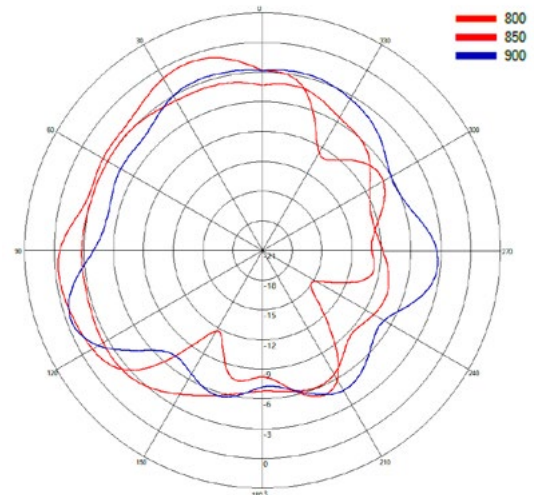
Typical H Plane- Cell H - Patterns- 700-800MHz



Typical 3D Pattern- Cell H - 850 MHz



Typical H Plane- Cell H- Patterns- 800-900MHz

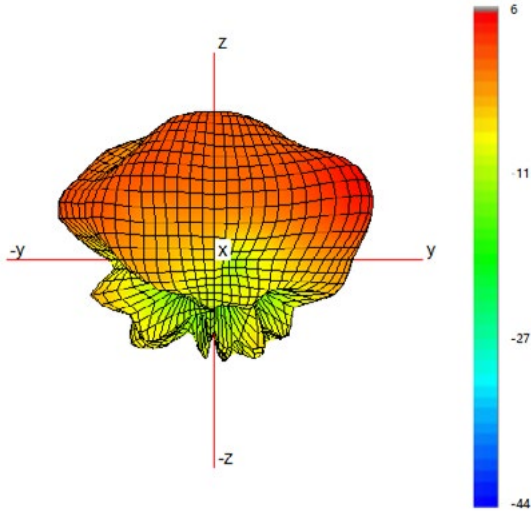


8x8 MiMo 4G/5G Dome Combination Antenna Range

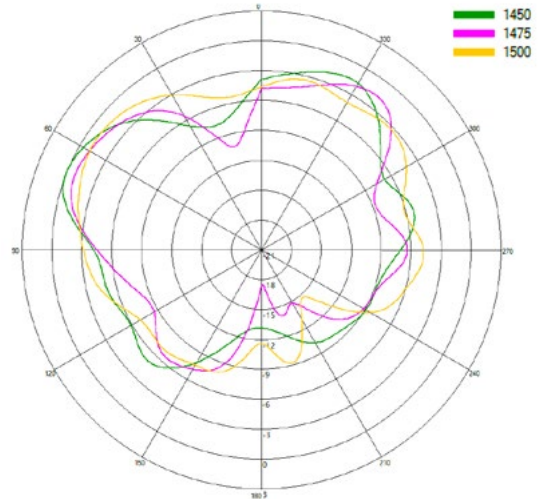
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell H

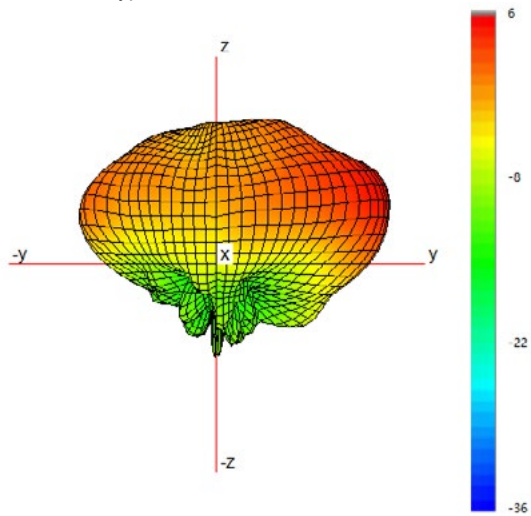
Typical 3D Pattern- Cell H - 1475 MHz



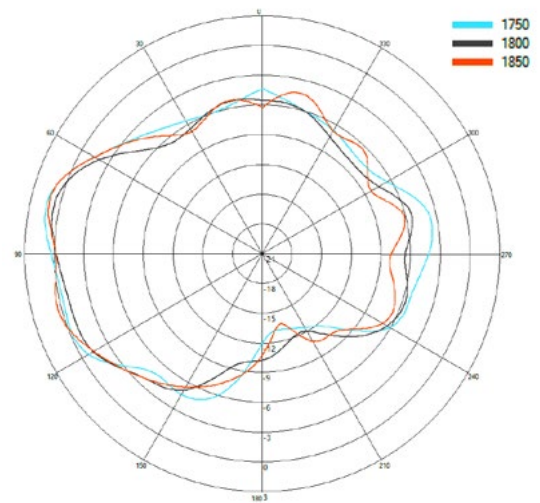
Typical H Plane- Cell H - Patterns- 1450-1500 MHz



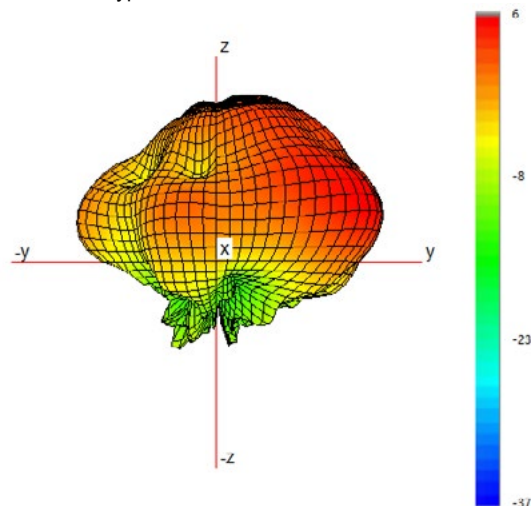
Typical 3D Pattern- Cell H- 1800 MHz



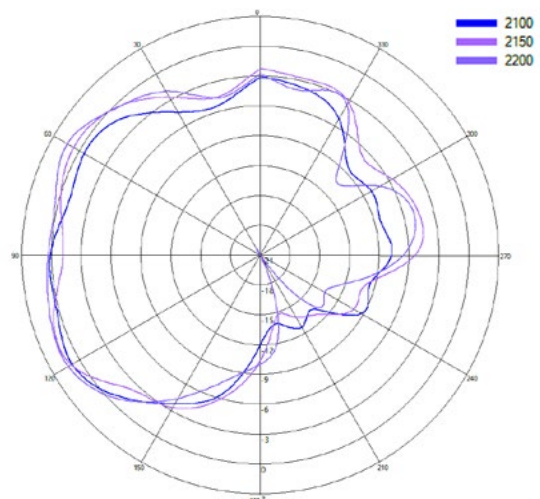
Typical H Plane- Cell H- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell H - 2150 MHz



Typical H Plane- Cell H- Patterns- 2100-2200 MHz

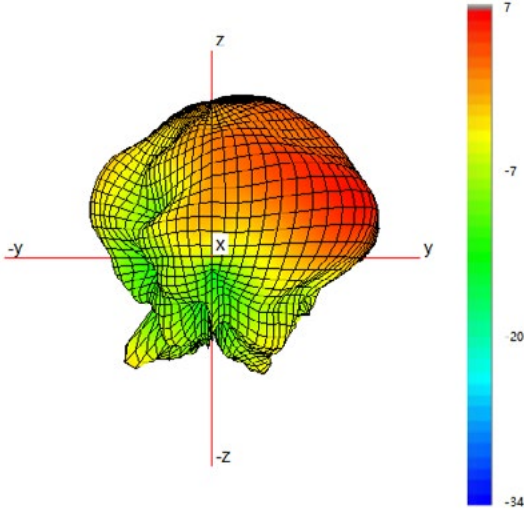


8x8 MiMo 4G/5G Dome Combination Antenna Range

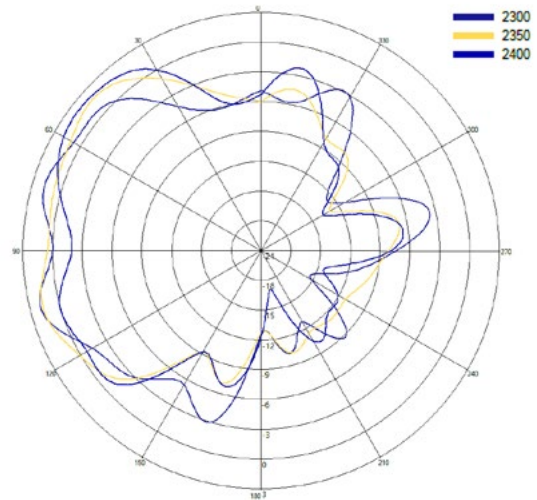
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell H

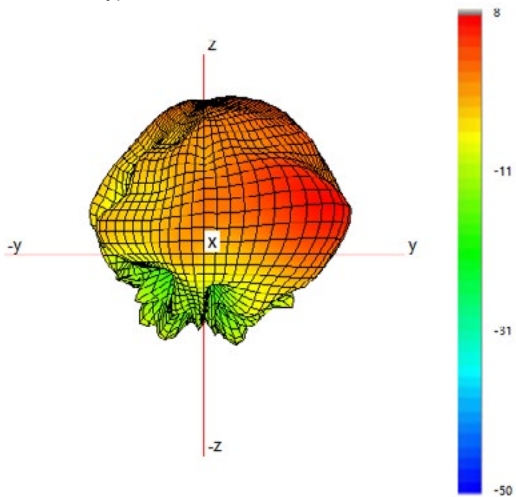
Typical 3D Pattern- Cell H - 2350 MHz



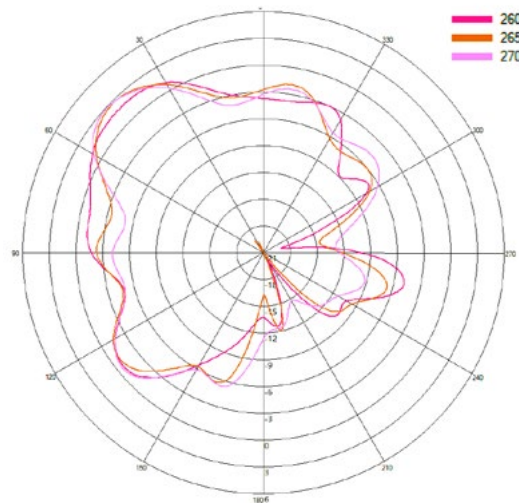
Typical H Plane- Cell H - Patterns- 2300-2400 MHz



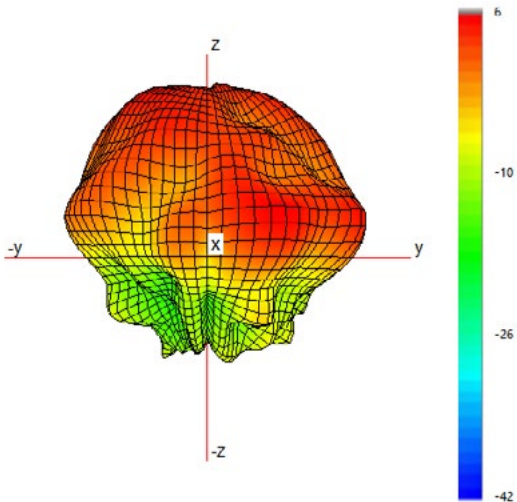
Typical 3D Pattern- Cell H - 2650 MHz



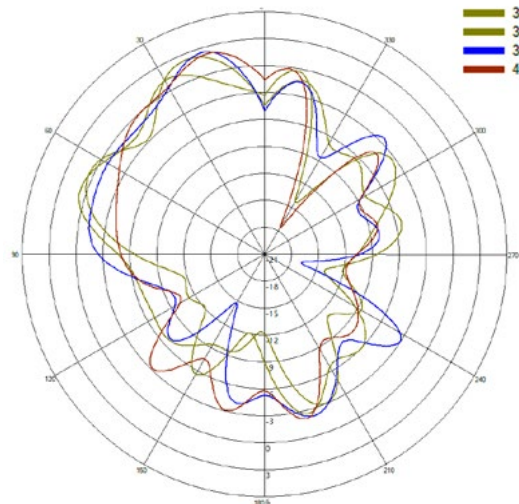
Typical H Plane- Cell H - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell H - 3600 MHz



Typical H Plane- Cell H - Patterns- 3400-4000 MHz

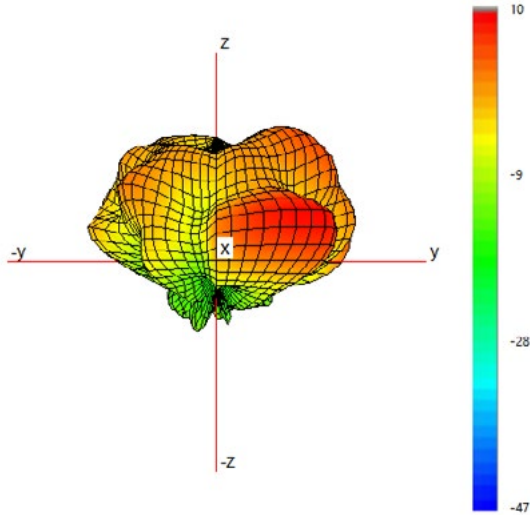


8x8 MiMo 4G/5G Dome Combination Antenna Range

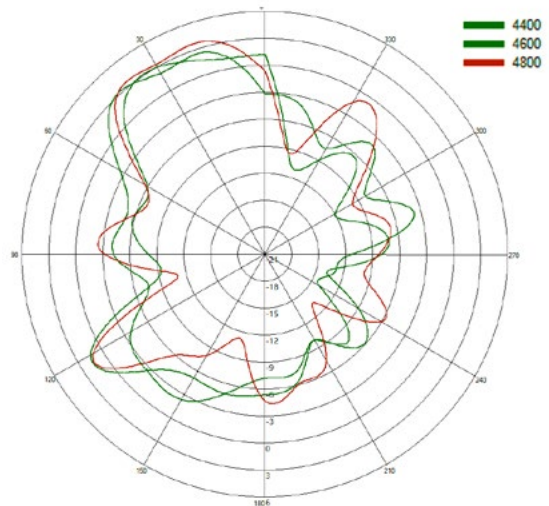
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane Cell H

Typical 3D Pattern- Cell H - 4700 MHz



Typical H Plane- Cell H - Patterns- 4400-4800 MHz

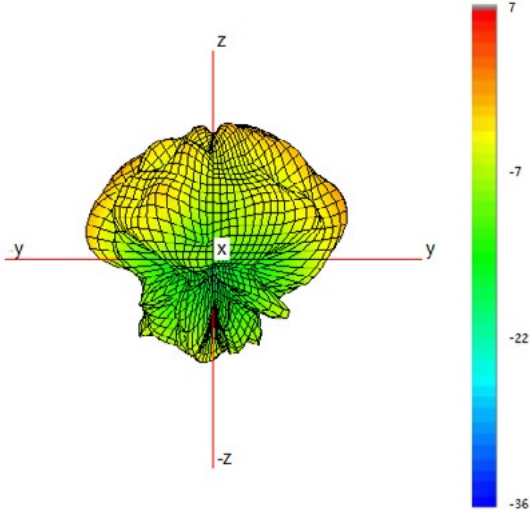


8x8 MiMo 4G/5G Dome Combination Antenna Range

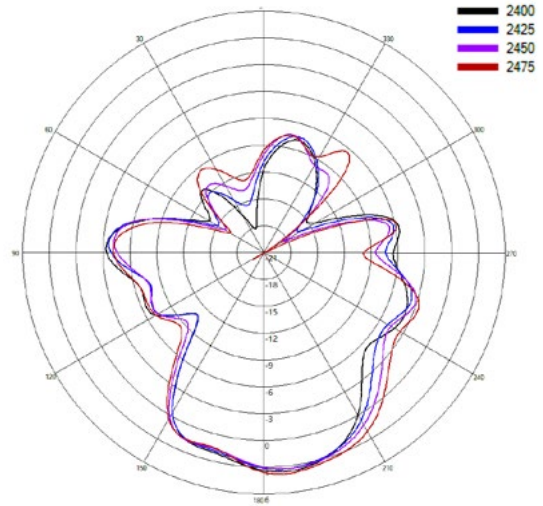
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane WiFi - 1

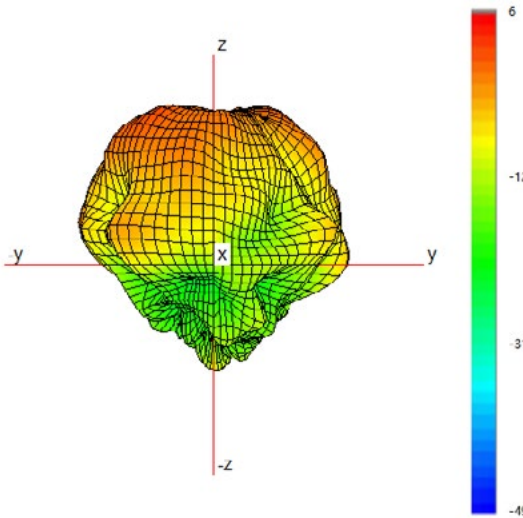
Typical 3D Pattern- WiFi - 1 - 2450 MHz



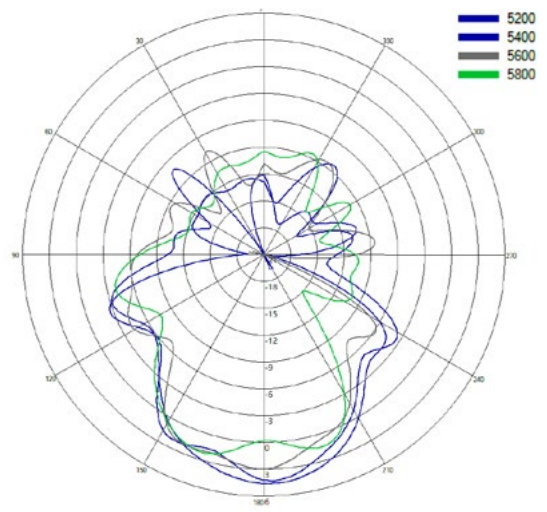
Typical H Plane- WiFi - 1 - Patterns- 2400-2475MHz



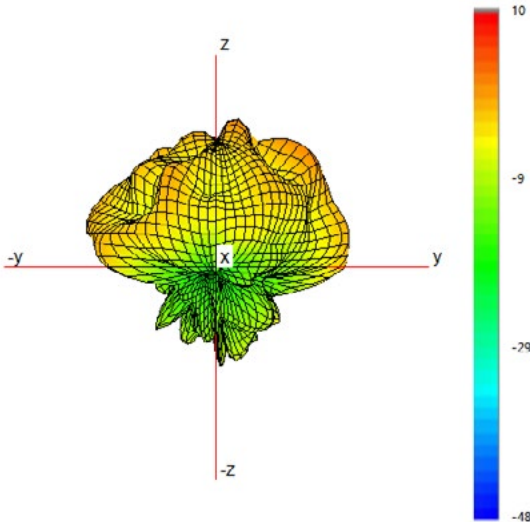
Typical 3D Pattern- WiFi - 1 - 5500 MHz



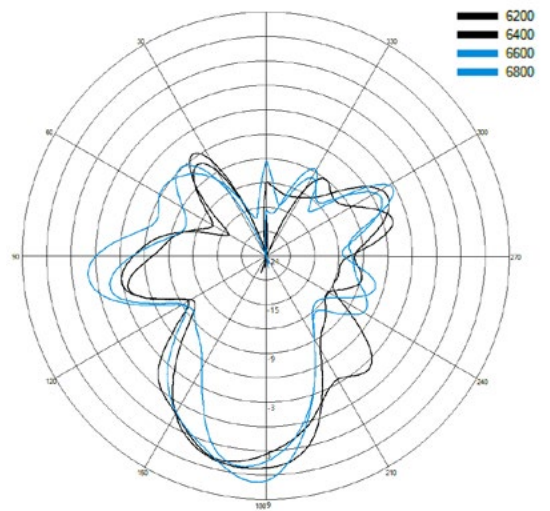
Typical H Plane- WiFi - 1 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 1 - 6500 MHz



Typical H Plane- WiFi - 1 - Patterns- 6200-6800MHz

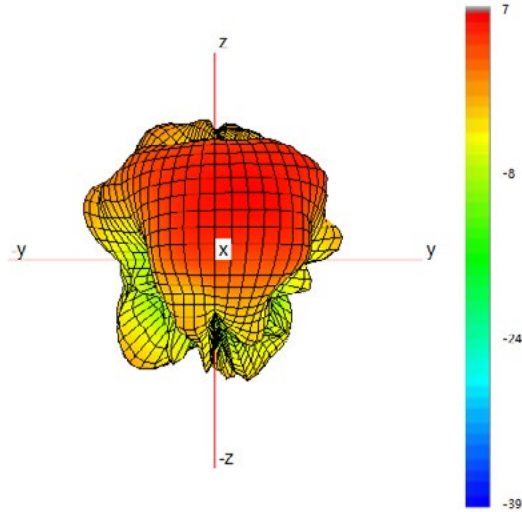


8x8 MiMo 4G/5G Dome Combination Antenna Range

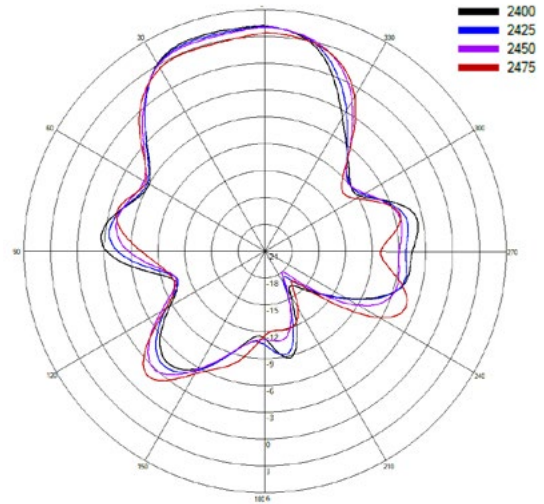
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane WiFi- 2

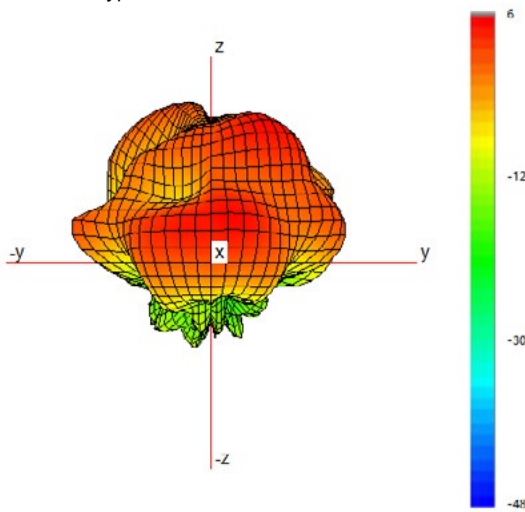
Typical 3D Pattern- WiFi - 2 - 2450 MHz



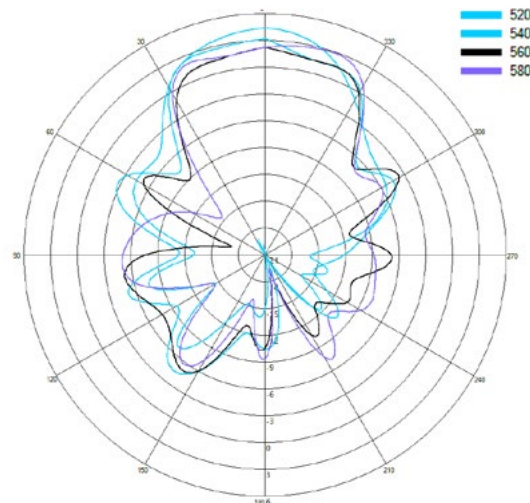
Typical H Plane- WiFi - 2 - Patterns- 2400-2475MHz



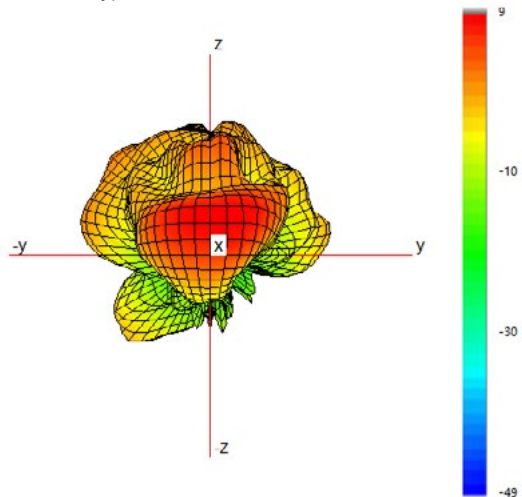
Typical 3D Pattern- WiFi - 2 - 5500 MHz



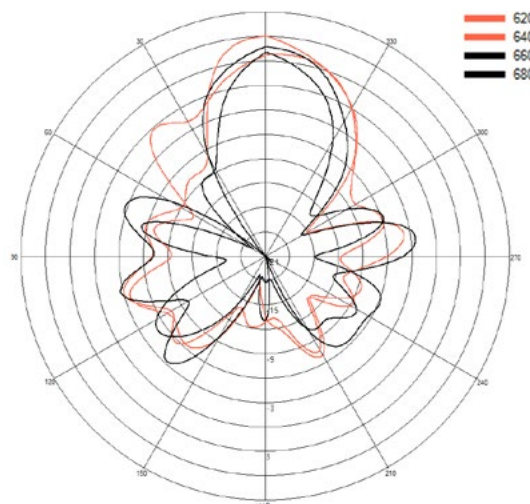
Typical H Plane- WiFi - 2 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 2 - 6500 MHz



Typical H Plane- WiFi - 2 - Patterns- 6200-6800MHz

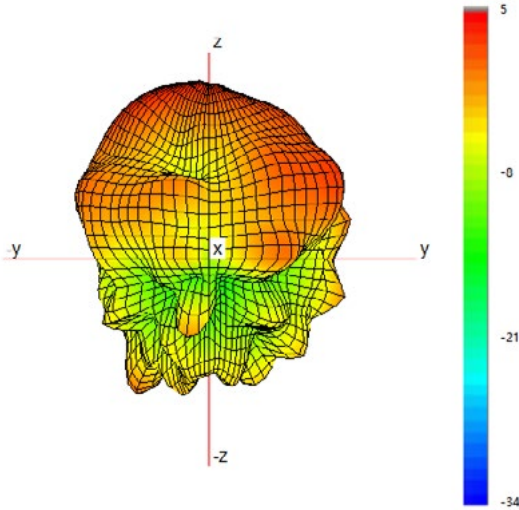


8x8 MiMo 4G/5G Dome Combination Antenna Range

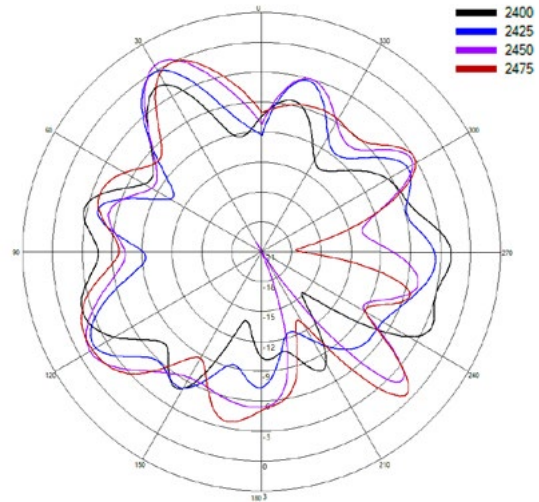
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane WiFi- 3

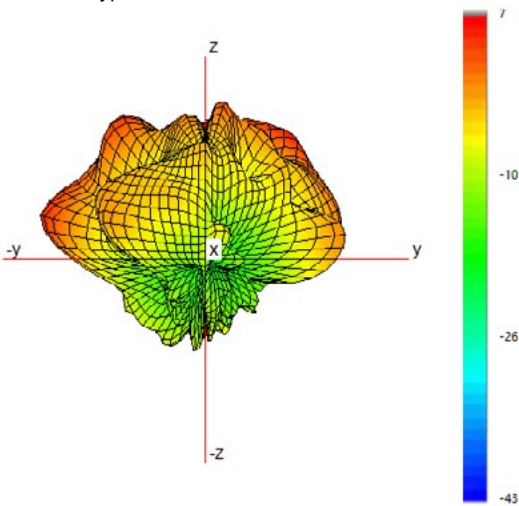
Typical 3D Pattern- WiFi - 3 - 2450 MHz



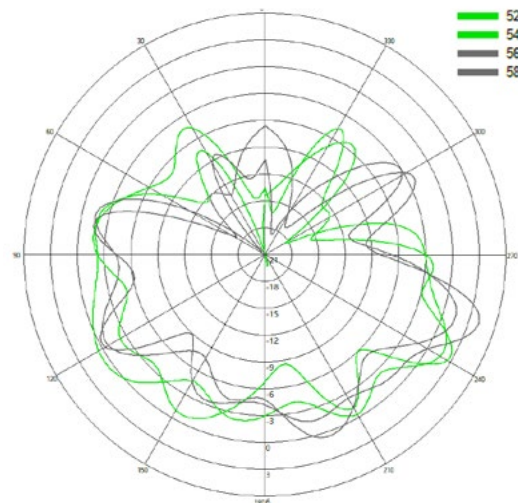
Typical H Plane- WiFi - 3 - Patterns- 2400-2475MHz



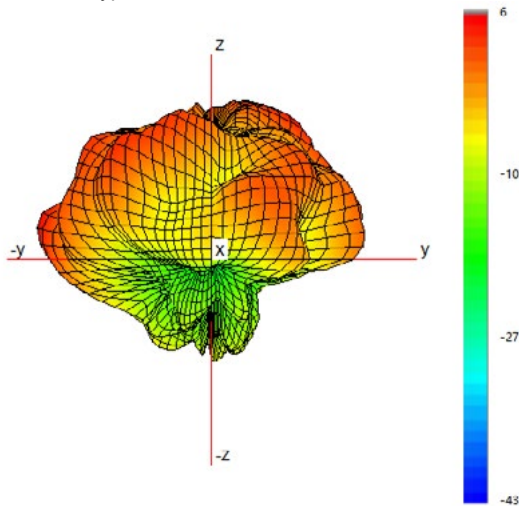
Typical 3D Pattern- WiFi - 3 - 5500 MHz



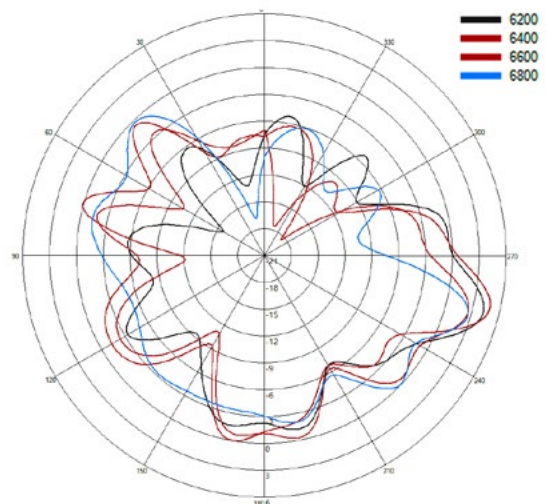
Typical H Plane- WiFi - 3 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 3 - 6500 MHz



Typical H Plane- WiFi - 3 - Patterns- 6200-6800MHz

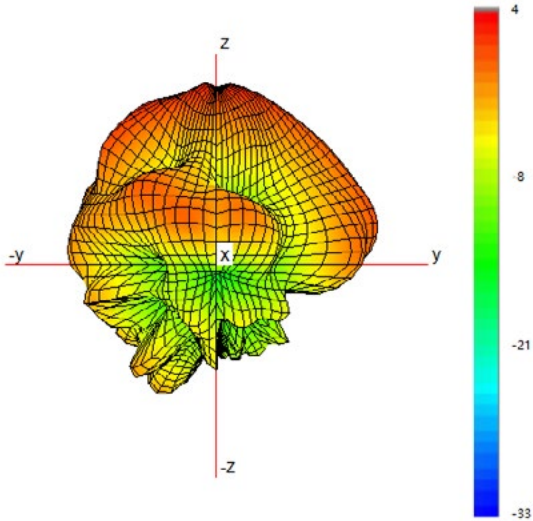


8x8 MiMo 4G/5G Dome Combination Antenna Range

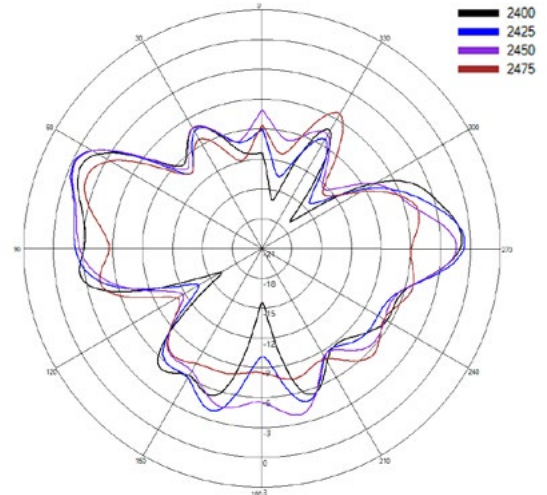
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane WiFi- 4

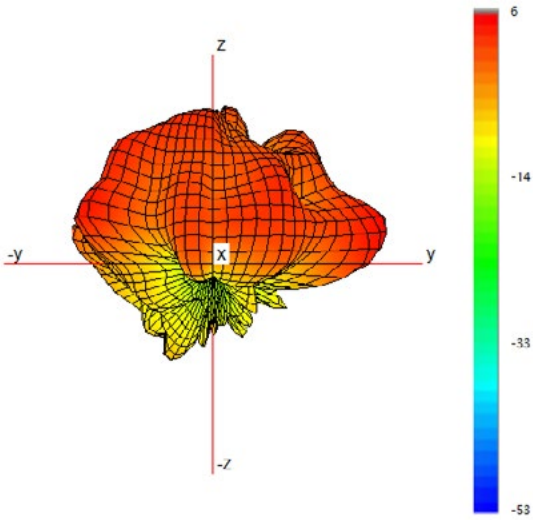
Typical 3D Pattern- WiFi - 4 - 2450 MHz



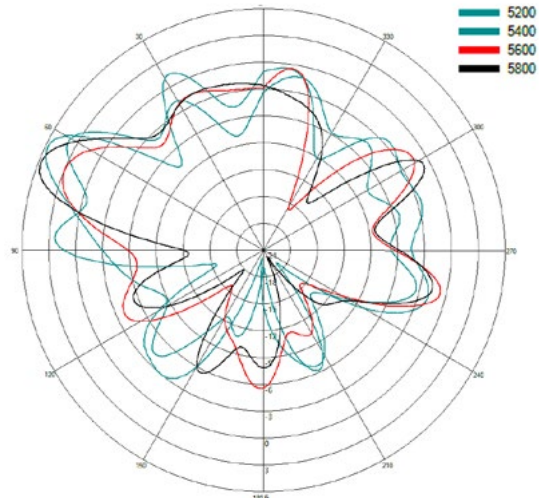
Typical H Plane- WiFi - 4 - Patterns- 2400-2475MHz



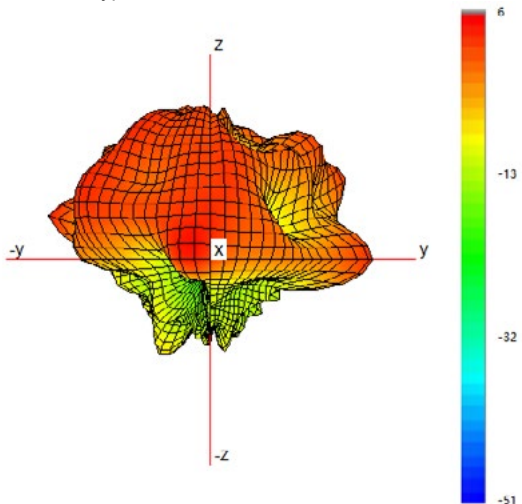
Typical 3D Pattern- WiFi - 4 - 5500 MHz



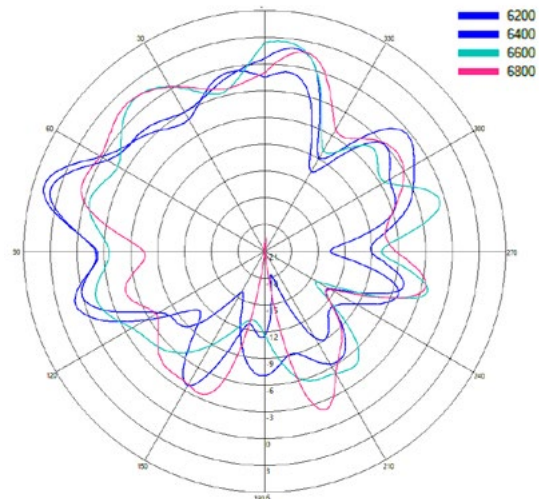
Typical H Plane- WiFi - 4 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 4 - 6500 MHz



Typical H Plane- WiFi - 4 - Patterns- 6200-6800MHz

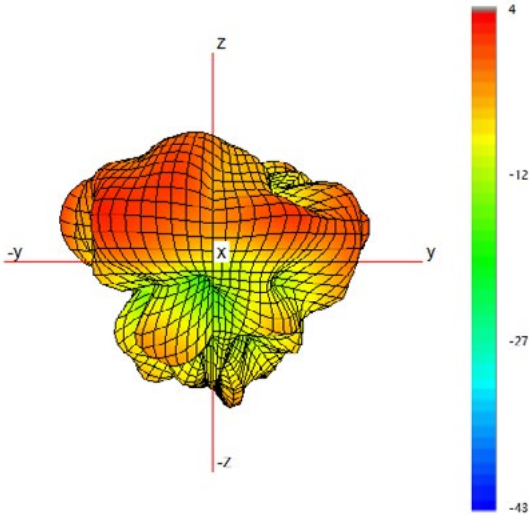


8x8 MiMo 4G/5G Dome Combination Antenna Range

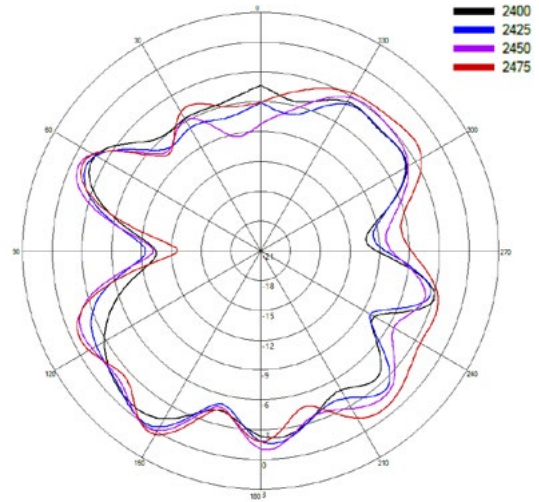
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane WiFi- 5

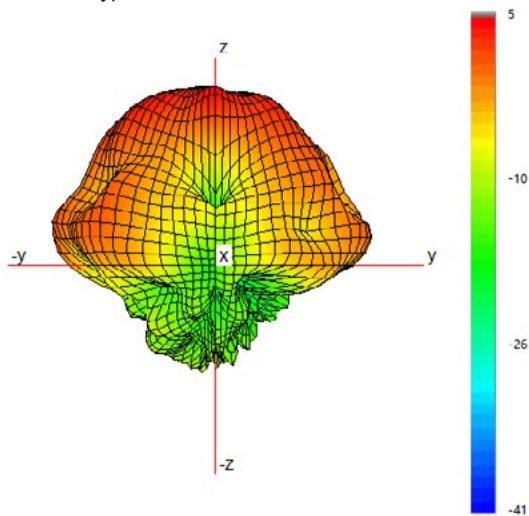
Typical 3D Pattern- WiFi - 5 - 2450 MHz



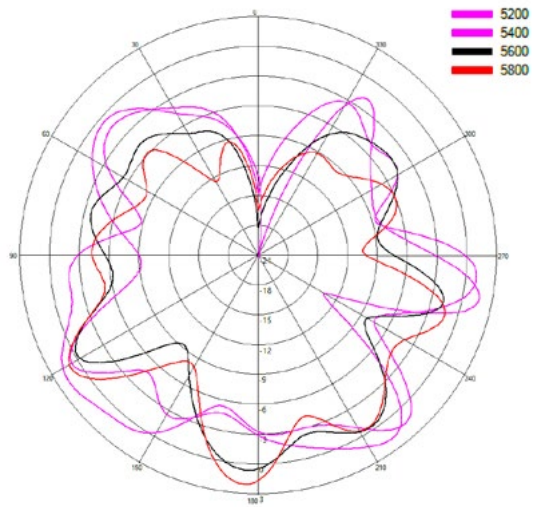
Typical H Plane- WiFi - 5 - Patterns- 2400-2475MHz



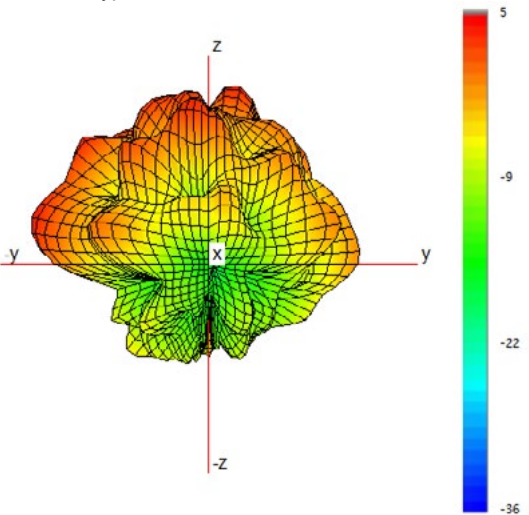
Typical 3D Pattern- WiFi - 5 - 5500 MHz



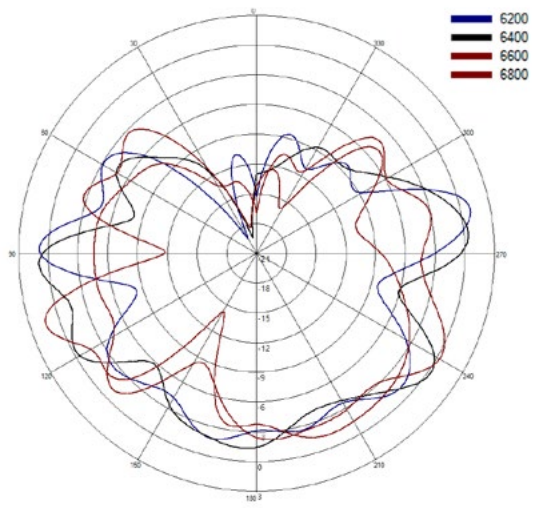
Typical H Plane- WiFi - 5 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 5 - 6500 MHz



Typical H Plane- WiFi - 5 - Patterns- 6200-6800MHz

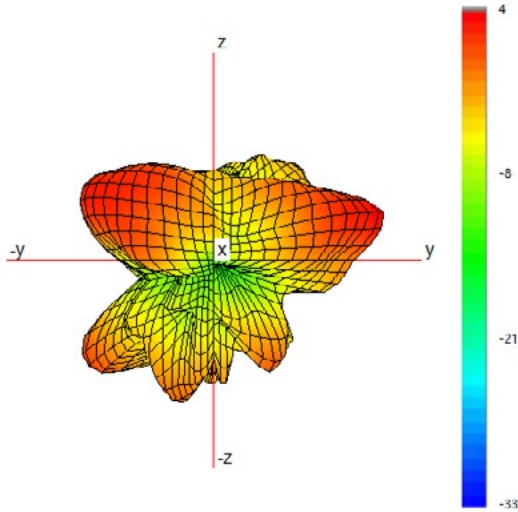


8x8 MiMo 4G/5G Dome Combination Antenna Range

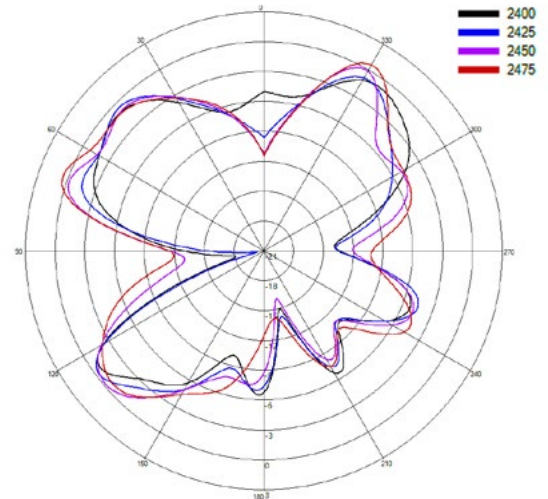
Megalodon 4G/5G Antenna

3D Pattern Data on
Ground Plane WIFI -6

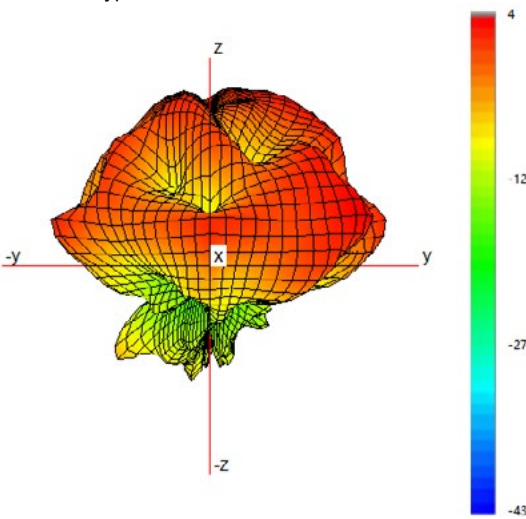
Typical 3D Pattern- WiFi - 6 - 2450 MHz



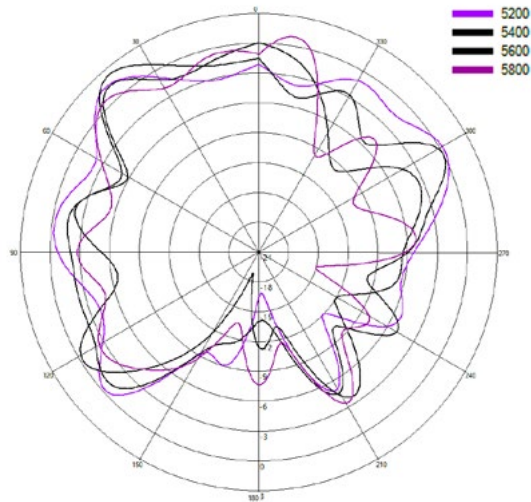
Typical H Plane- WiFi - 6 - Patterns- 2400-2475MHz



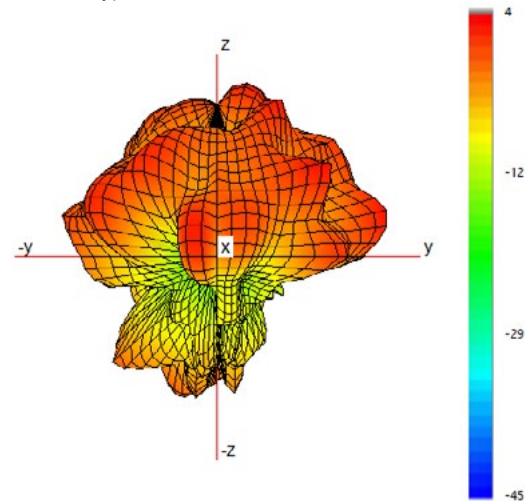
Typical 3D Pattern- WiFi - 6 - 5500 MHz



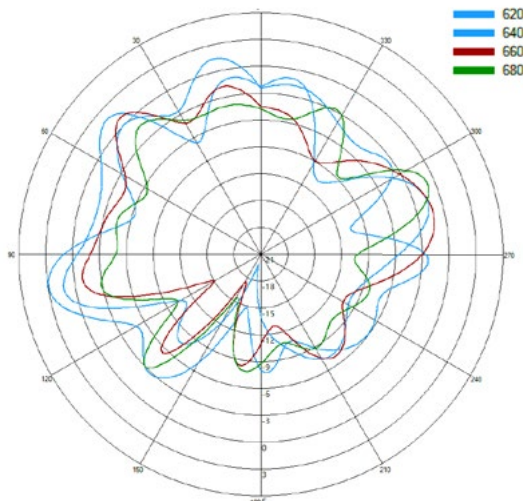
Typical H Plane- WiFi - 6 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 6 - 6500 MHz



Typical H Plane- WiFi - 6 - Patterns- 6200-6800MHz



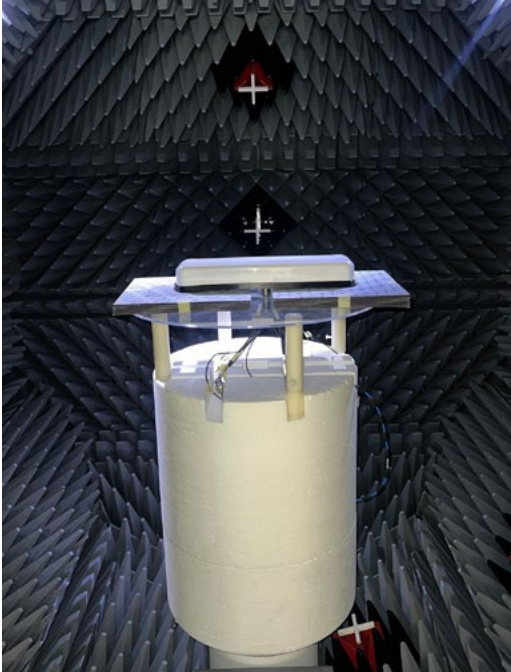
8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

Electrical Data Cell -
Free Space

Measurement Conditions

LGMHM8-6-60 measured in free space with 0.5m (1.6') of CS30 Cable



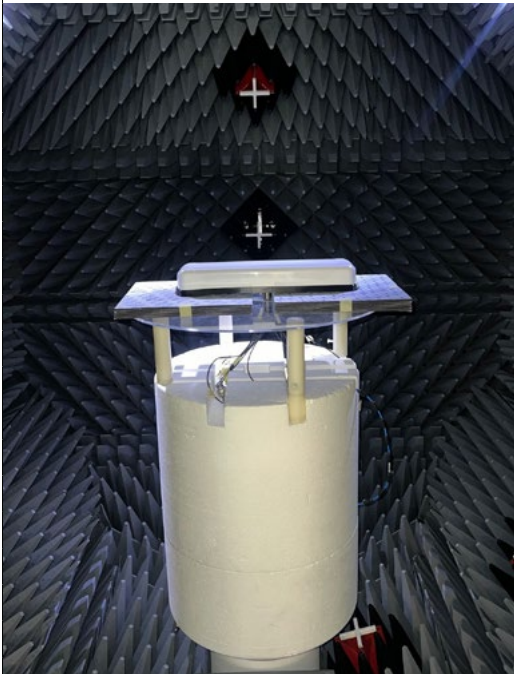
4G/5G Antennas

Frequency Range (MHz)	LTE/NR Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
617-698	71, 105	Cell A	2.3	59
		Cell B	1.4	42
		Cell C	1.2	50
		Cell D	0.9	36
699-798	12,13, 14 17,28	Cell A	2.3	63
		Cell B	1.9	48
		Cell C	1.5	49
		Cell D	0.9	40
807- 862	5,19,20,26,27	Cell A	3.3	59
		Cell B	3.2	47
		Cell C	2.0	50
		Cell D	2.0	46
880-960	8	Cell A	3.1	64
		Cell B	3.4	50
		Cell C	1.8	56
		Cell D	3.2	53
1427-1518	11, 21, 74,75,76	Cell A	3.2	60
		Cell B	4.4	60
		Cell C	2.2	52
		Cell D	2.4	49
1710-1920	2,3,4,9,25,35,39,66	Cell A	2.7	56
		Cell B	3.9	56
		Cell C	3.0	46
		Cell D	3.9	50
1920-2170	1,23	Cell A	3.8	58
		Cell B	4.5	61
		Cell C	4.0	55
		Cell D	4.4	62
2300-2400	30,40	Cell A	5.3	67
		Cell B	5.2	68
		Cell C	5.8	61
		Cell D	5.2	68
2496-2690	7,38,41	Cell A	4.5	61
		Cell B	5.6	61
		Cell C	4.6	48
		Cell D	5.1	61
3300-4200	22,42,43,48,77,78	Cell A	6.2	60
		Cell B	7.1	53
		Cell C	6.4	50
		Cell D	7.2	64
4400-5000	79	Cell A	5.7	54
		Cell B	7.5	49
		Cell C	5.5	50
		Cell D	7.6	61

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

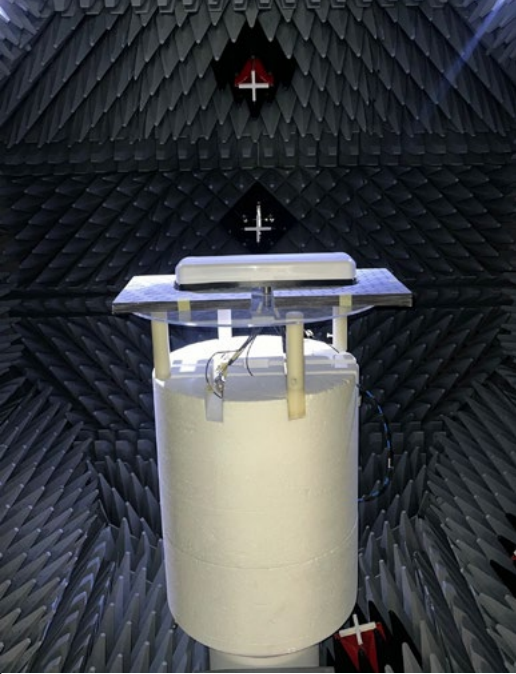
Electrical Data Cell -
Free Space

Measurement Conditions	4G/5G Antennas				
LGMHM8-6-60 measured in free space with 0.5m (1.6') of CS30 Cable	Frequency Range (MHz)	LTE/NR Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	617-698	71, 105	Cell E	1.6	47
			Cell F	0.9	36
			Cell G	1.7	47
			Cell H	2.0	39
	699-798	12,13, 14 17,28	Cell E	2.3	54
			Cell F	0.9	41
			Cell G	0.9	50
			Cell H	1.8	40
	807- 862	5,19,20,26,27	Cell E	2.3	52
			Cell F	1.2	44
			Cell G	0.9	49
			Cell H	2.2	44
	880-960	8	Cell E	1.7	56
			Cell F	2.8	48
			Cell G	1.3	55
			Cell H	3.2	52
	1427-1518	11, 21, 74,75,76	Cell E	3.5	56
			Cell F	3.4	59
			Cell G	1.8	53
			Cell H	2.3	49
	1710-1920	2,3,4,9,25,35,39,66	Cell E	3.2	55
			Cell F	3.5	55
			Cell G	3.1	48
			Cell H	3.3	49
	1920-2170	1,23	Cell E	4.9	57
			Cell F	4.0	59
			Cell G	3.6	55
			Cell H	4.4	60
2300-2400	30,40	Cell E	6.4	69	
		Cell F	5.3	67	
		Cell G	5.4	58	
		Cell H	6.2	64	
2496-2690	7,38,41	Cell E	5.2	64	
		Cell F	5.3	60	
		Cell G	4.2	48	
		Cell H	5.6	60	
3300-4200	22,42,43,48,77,78	Cell E	6.1	57	
		Cell F	6.9	53	
		Cell G	6.3	51	
		Cell H	7.4	61	
4400-5000	79	Cell E	6.4	51	
		Cell F	6.6	45	
		Cell G	5.2	49	
		Cell H	8.2	58	

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

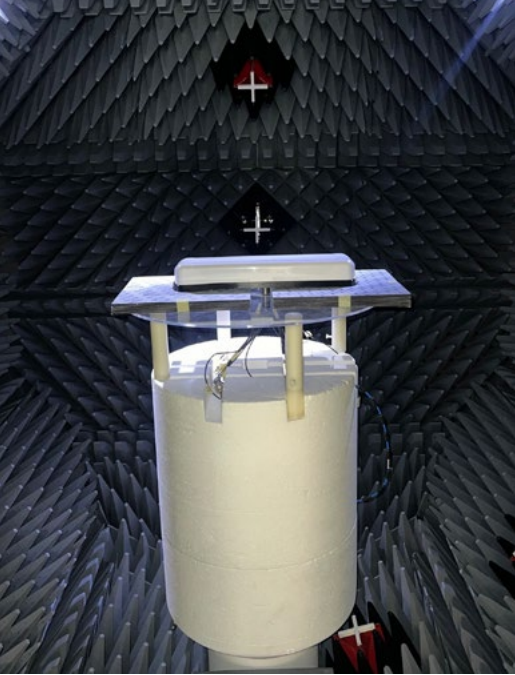
Electrical Data WiFi -
Free Space

Measurement Conditions	WiFi Antennas				
LGMHM8-6-60 measured in free space with 0.5m (1.6') of CS30 Cable	Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	2396-2485	2.4GHz	WiFi 1	4.7	56
			WiFi 2	5.3	59
			WiFi 3	5.4	50
			WiFi 4	6.1	49
	5150-5250	UNII-1	WiFi 1	5.7	44
			WiFi 2	6.0	43
			WiFi 3	6.0	50
			WiFi 4	5.9	51
	5250-5350	UNII-2A	WiFi 1	5.7	43
			WiFi 2	5.9	42
			WiFi 3	5.9	48
			WiFi 4	5.7	49
	5350-5470	UNII-2B	WiFi 1	6.0	41
			WiFi 2	5.3	41
			WiFi 3	5.5	47
			WiFi 4	5.7	48
	5470-5725	UNII-2C	WiFi 1	6.0	41
			WiFi 2	6.2	42
			WiFi 3	5.1	43
			WiFi 4	4.7	42
	5725-5850	UNII-3	WiFi 1	6.0	42
			WiFi 2	6.1	43
			WiFi 3	4.5	42
			WiFi 4	4.7	42
	5850-5925	UNII-4	WiFi 1	5.4	41
			WiFi 2	6.1	42
			WiFi 3	4.5	42
			WiFi 4	3.9	41
	5925-6425	UNII-5	WiFi 1	6.7	44
			WiFi 2	6.8	43
			WiFi 3	5.8	48
			WiFi 4	6.3	48
	6425-6525	UNII-6	WiFi 1	6.4	44
			WiFi 2	6.9	43
			WiFi 3	5.6	49
			WiFi 4	5.8	49
	6525-6875	UNII-7	WiFi 1	7.2	42
			WiFi 2	7.3	39
			WiFi 3	6.2	47
			WiFi 4	5.0	47
6875-7125	UNII-8	WiFi 1	6.8	44	
		WiFi 2	5.8	39	
		WiFi 3	4.2	42	
		WiFi 4	4.6	44	

8x8 MiMo 4G/5G Dome Combination Antenna Range

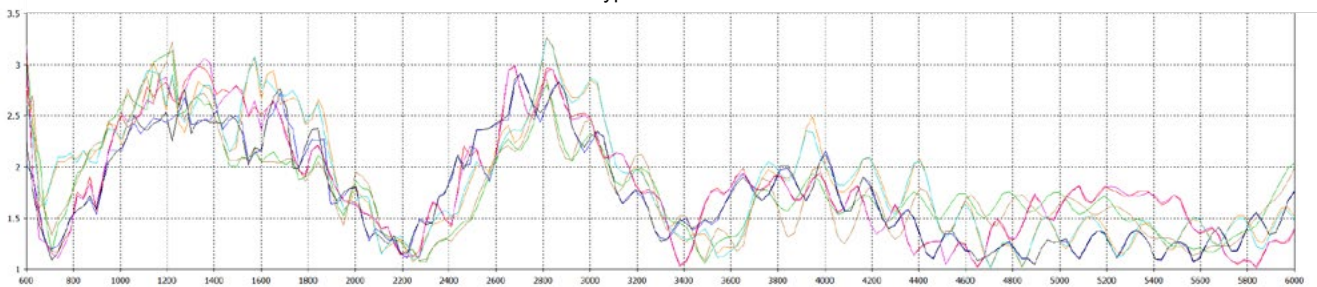
Megalodon 4G/5G Antenna

Electrical Data WiFi - Free Space

Measurement Conditions	WiFi Antennas				
LGMHM8-6-60 measured in free space with 0.5m (1.6') of CS30 Cable	Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	2396-2485	2.4GHz	WiFi 5	3.6	41
			WiFi 6	3.1	38
	5150-5250	UNII-1	WiFi 5	5.6	50
			WiFi 6	6.5	49
	5250-5350	UNII-2A	WiFi 5	5.0	49
			WiFi 6	6.0	47
	5350-5470	UNII-2B	WiFi 5	5.1	47
			WiFi 6	5.3	46
	5470-5725	UNII-2C	WiFi 5	4.7	43
			WiFi 6	4.7	41
	5725-5850	UNII-3	WiFi 5	4.8	40
			WiFi 6	4.5	38
	5850-5925	UNII-4	WiFi 5	4.6	38
			WiFi 6	4.2	37
	5925-6425	UNII-5	WiFi 5	5.1	43
			WiFi 6	4.5	42
	6425-6525	UNII-6	WiFi 5	5.1	45
			WiFi 6	3.5	43
	6525-6875	UNII-7	WiFi 5	4.9	42
			WiFi 6	3.5	41
	6875-7125	UNII-8	WiFi 5	4.6	44
			WiFi 6	3.6	41

Electrical Data Cell - Free Space

Typical VSWR*



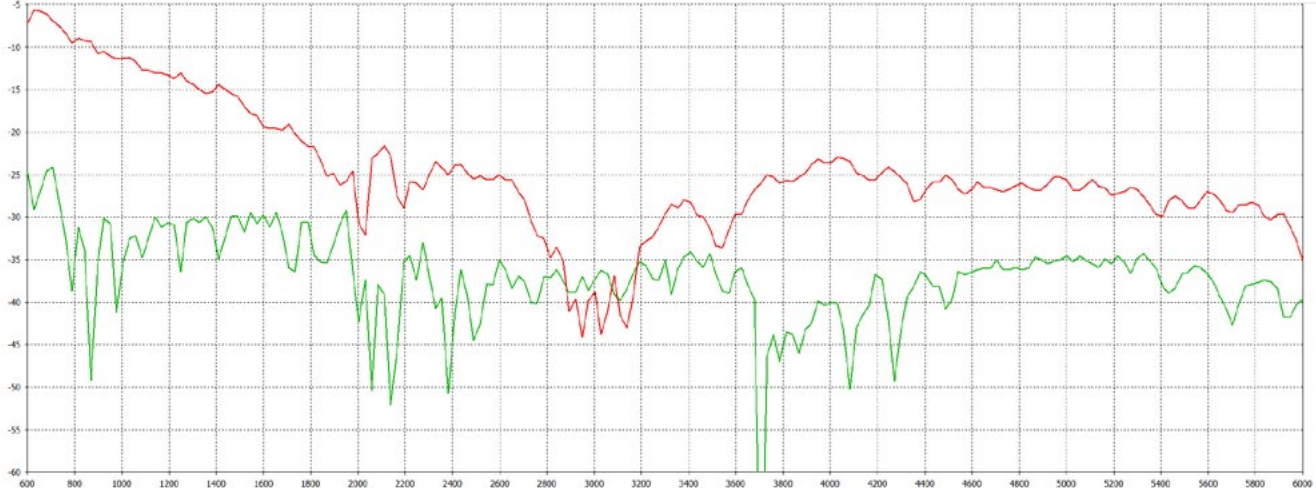
*VSWR measured in free space with 0.5m (1.6') of CS30 cable

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

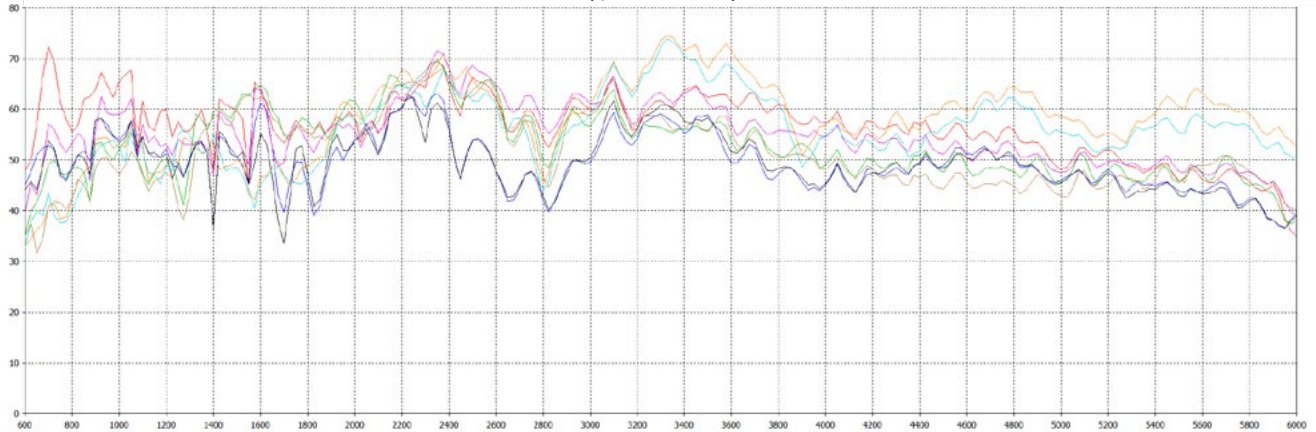
Electrical Data Cell -
Free Space

Typical Isolation*



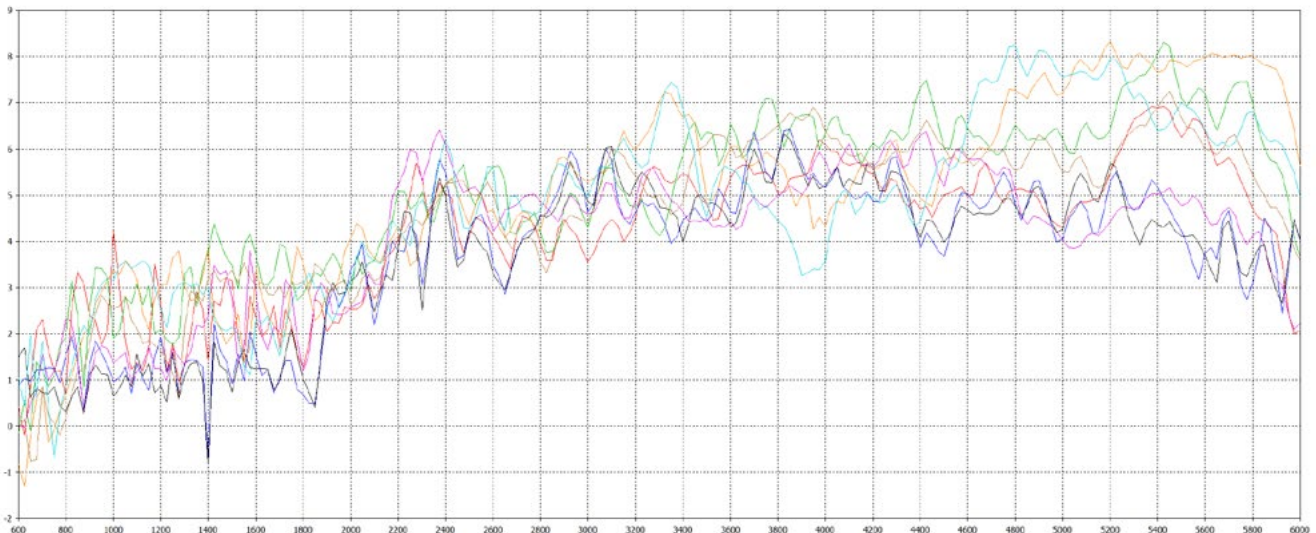
*Isolation measured in free space with 0.5m (1.6') of CS30 cable . Green trace = best case isolation between element pairs. Red trace - worst case isolation between element pairs.

Typical Efficiency*



*Efficiency measured in free space with 0.5m (1.6') of CS30 cable

Typical Swept Peak Gain*



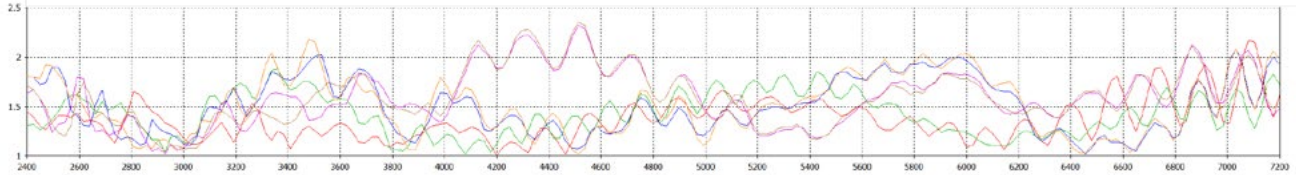
*Peak Gain measured in free space with 0.5m (1.6') of CS30 cable

8x8 MiMo 4G/5G Dome Combination Antenna Range

Megalodon 4G/5G Antenna

Electrical Data WiFi -
Free Space

Typical VSWR*



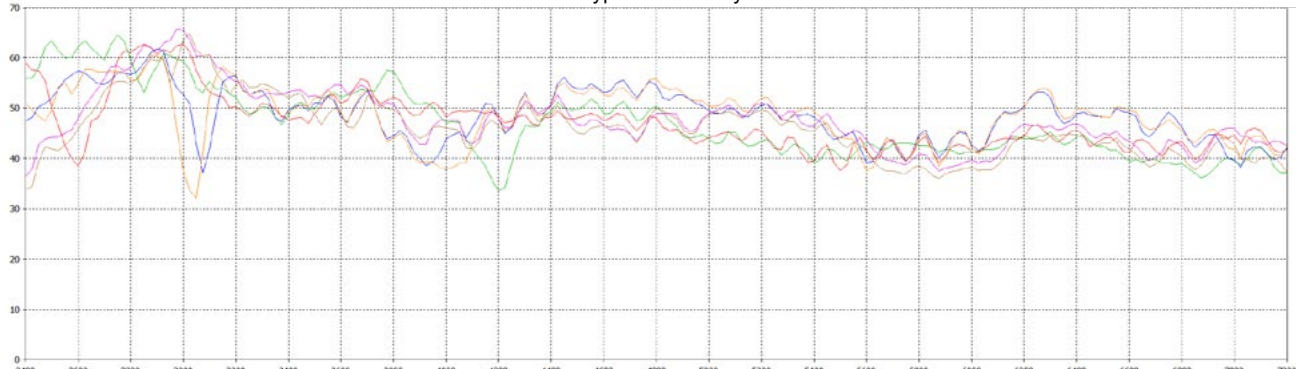
*VSWR measured in free space with 0.5m (1.6') of CS30 cable

Typical Isolation*



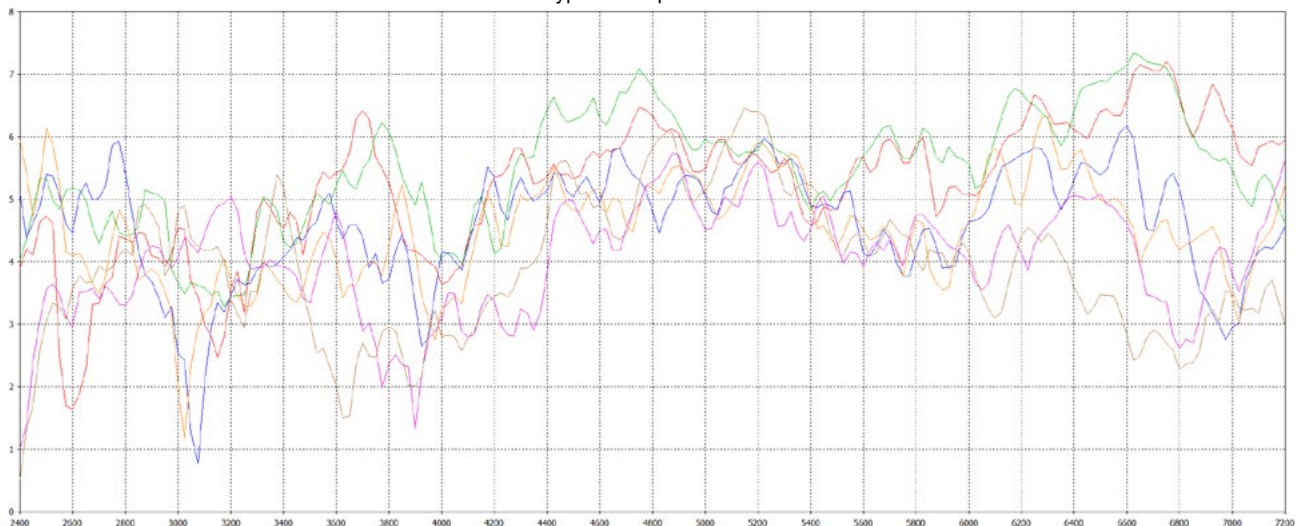
*Isolation measured in free space with 0.5m (1.6') of CS30 cable . Green trace = best case isolation between element pairs. Red trace - worst case isolation between element pairs.

Typical Efficiency*



*Efficiency measured in free space with 0.5m (1.6') of CS30 cable

Typical Swept Peak Gain*



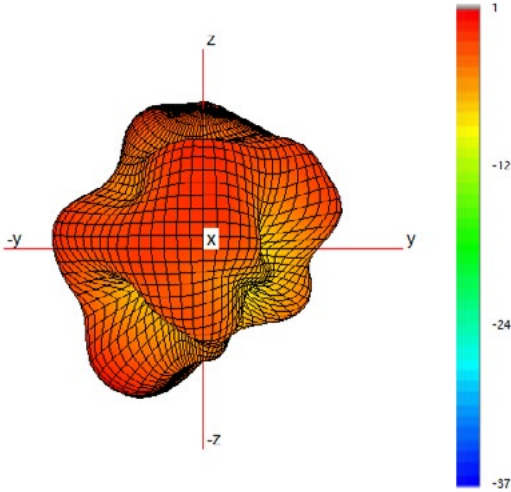
*Peak Gain measured in free space with 0.5m (1.6') of CS30 cable

8x8 MiMo 4G/5G Dome Combination Antenna Range

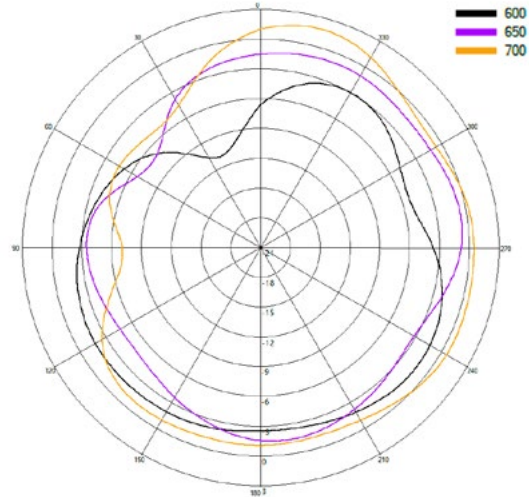
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell A

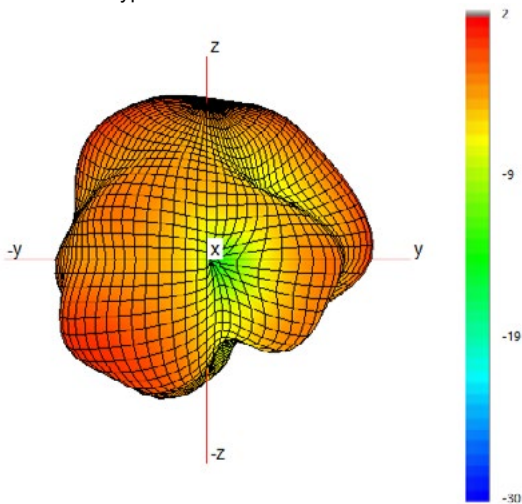
Typical 3D Pattern- Cell A - 650 MHz



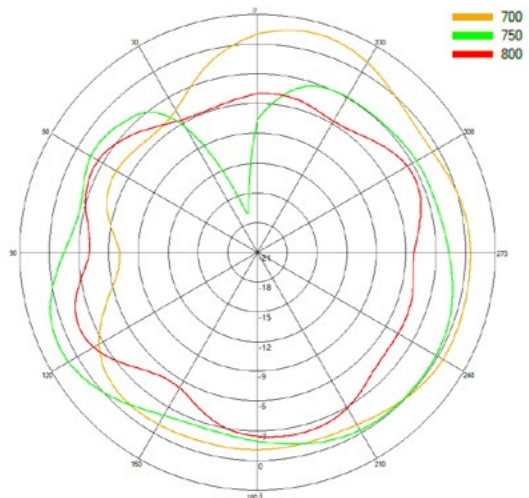
Typical H Plane- Cell A - Patterns- 600-700MHz



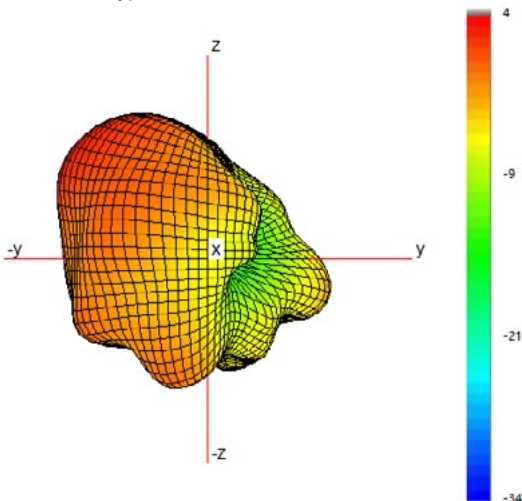
Typical 3D Pattern- Cell A - 750 MHz



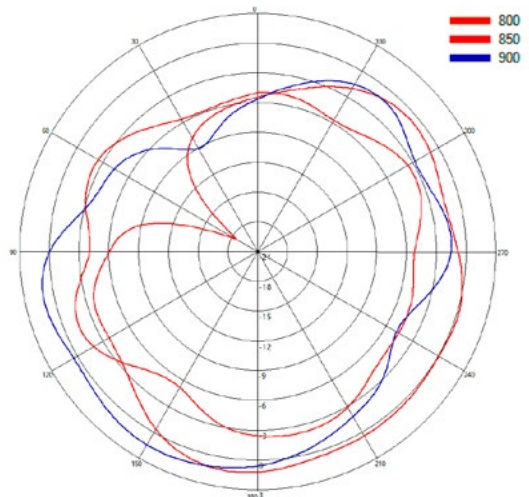
Typical H Plane- Cell A - Patterns- 700-800MHz



Typical 3D Pattern- Cell A - 850 MHz



Typical H Plane- Cell A - Patterns- 800-900MHz

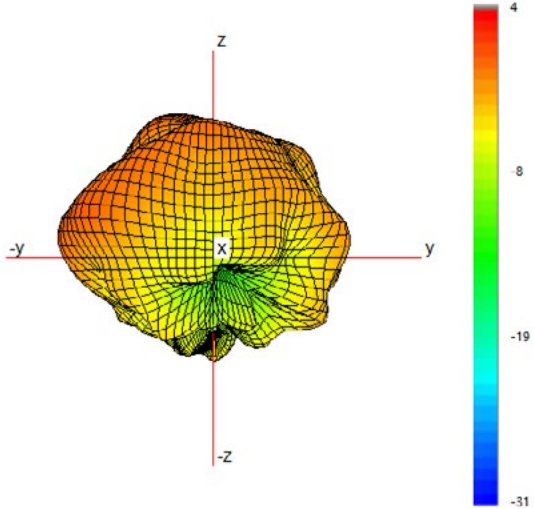


8x8 MiMo 4G/5G Dome Combination Antenna Range

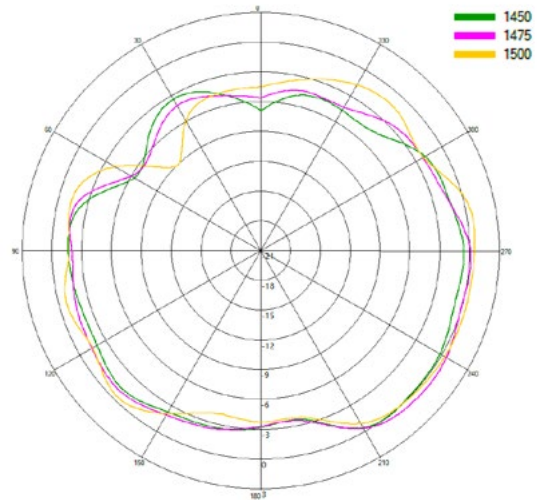
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell A

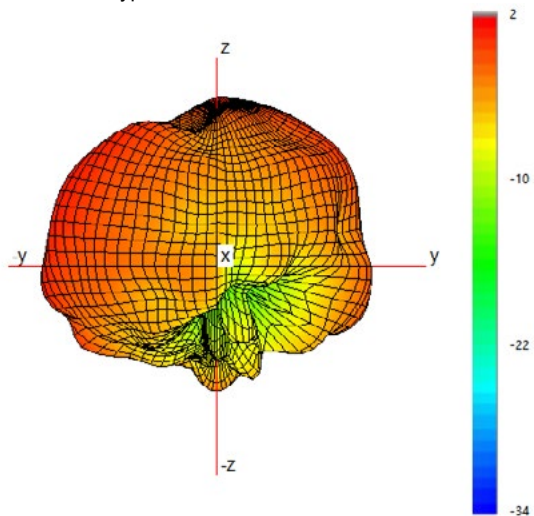
Typical 3D Pattern- Cell A - 1475 MHz



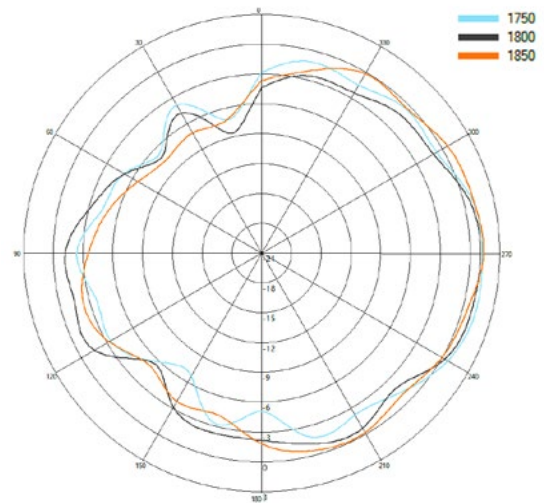
Typical H Plane- Cell A- Patterns- 1450-1500 MHz



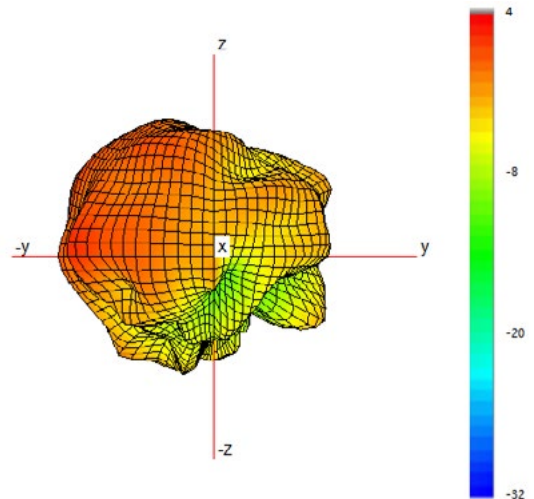
Typical 3D Pattern- Cell A - 1800 MHz



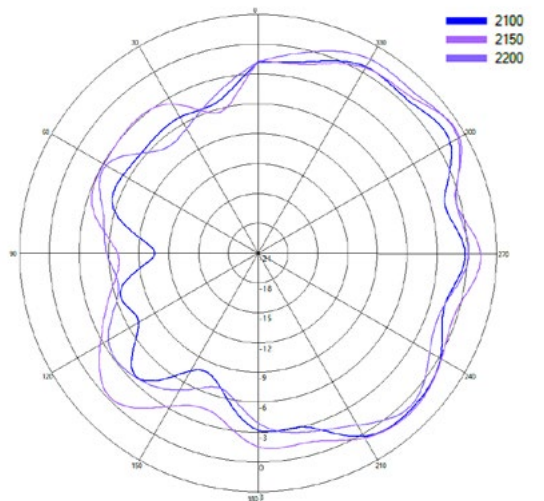
Typical H Plane- Cell A- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell A - 2150 MHz



Typical H Plane- Cell A- Patterns- 2100-2200 MHz

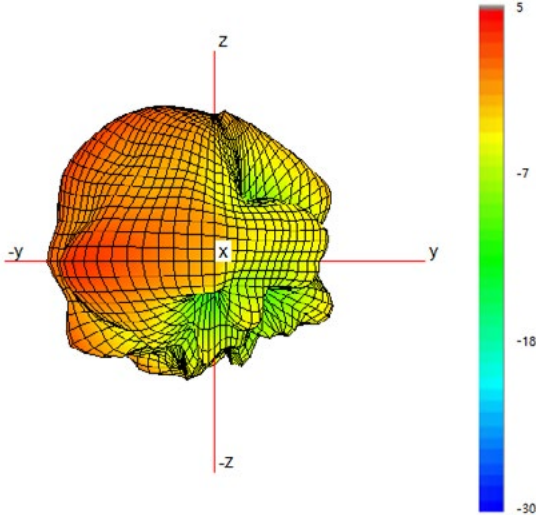


8x8 MiMo 4G/5G Dome Combination Antenna Range

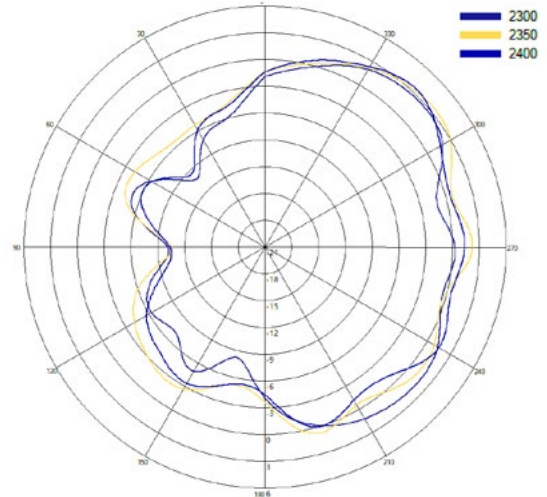
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell A

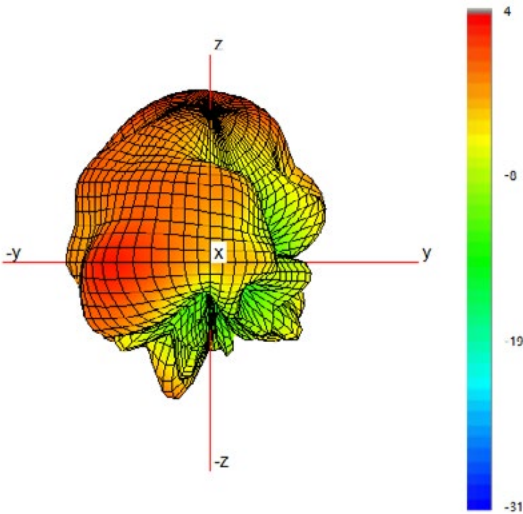
Typical 3D Pattern- Cell A - 2350 MHz



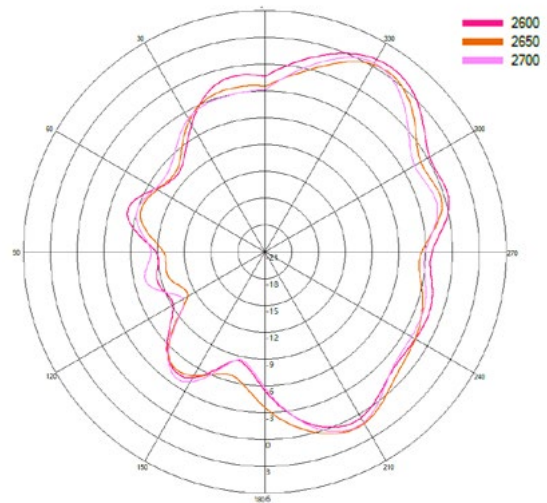
Typical H Plane- Cell A - Patterns- 2300-2400 MHz



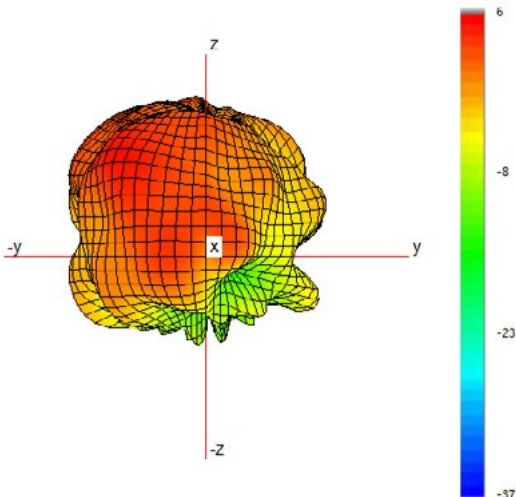
Typical 3D Pattern- Cell A - 2650 MHz



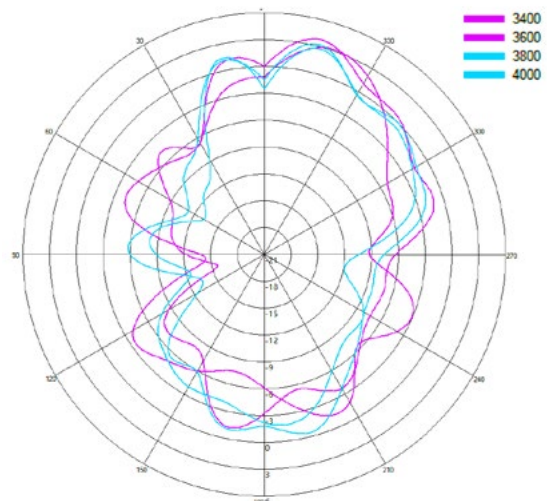
Typical H Plane- Cell A - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell A - 3600 MHz



Typical H Plane- Cell A - Patterns- 3400-4000 MHz

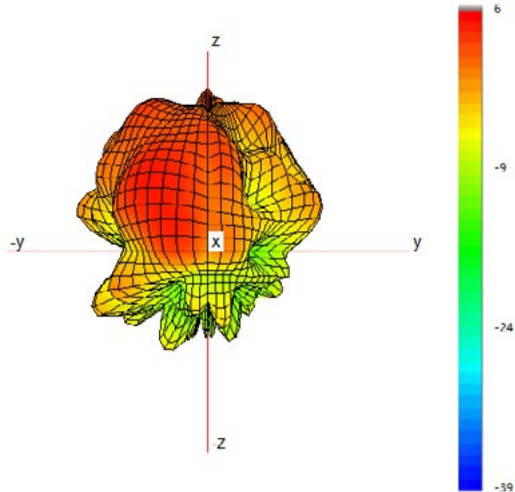


8x8 MiMo 4G/5G Dome Combination Antenna Range

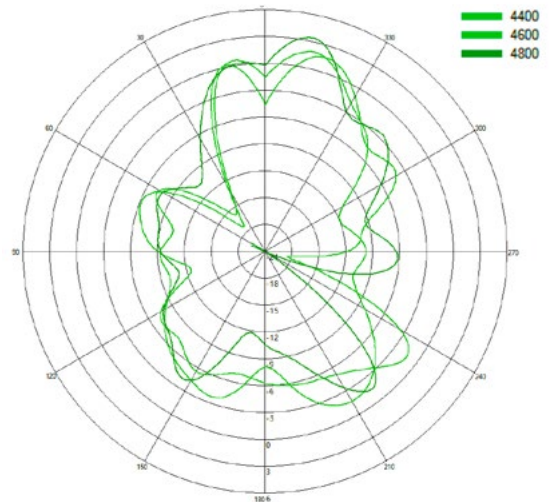
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell A

Typical 3D Pattern- Cell A - 4700 MHz



Typical H Plane- Cell A - Patterns- 4400-4800 MHz

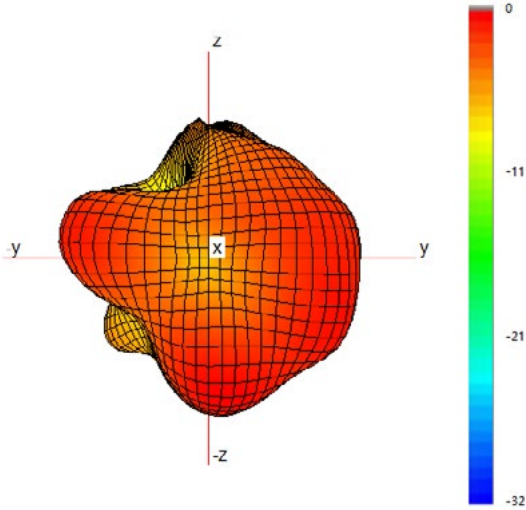


8x8 MiMo 4G/5G Dome Combination Antenna Range

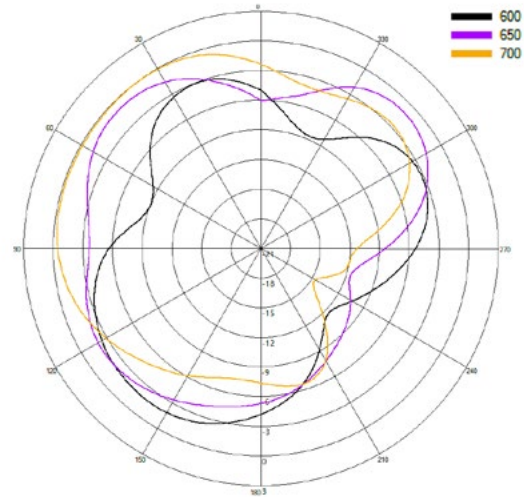
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell B

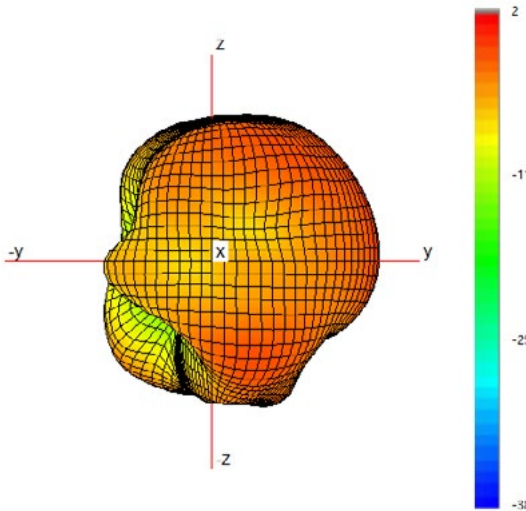
Typical 3D Pattern- Cell B - 650 MHz



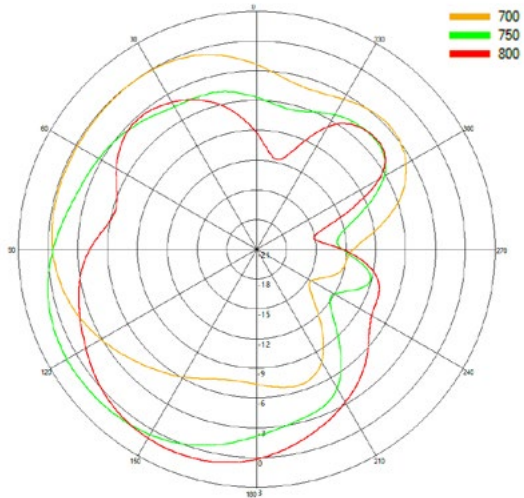
Typical H Plane- Cell B - Patterns- 600-700MHz



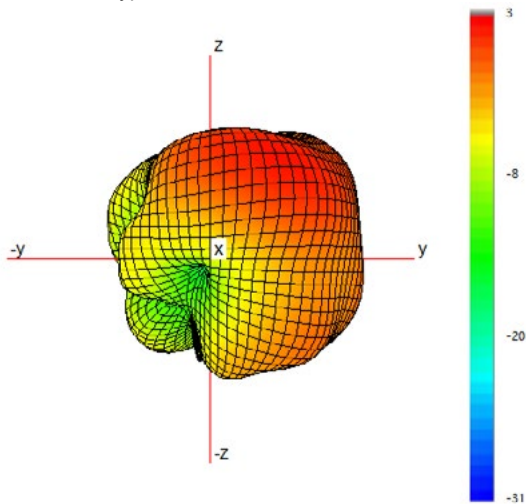
Typical 3D Pattern- Cell B - 750 MHz



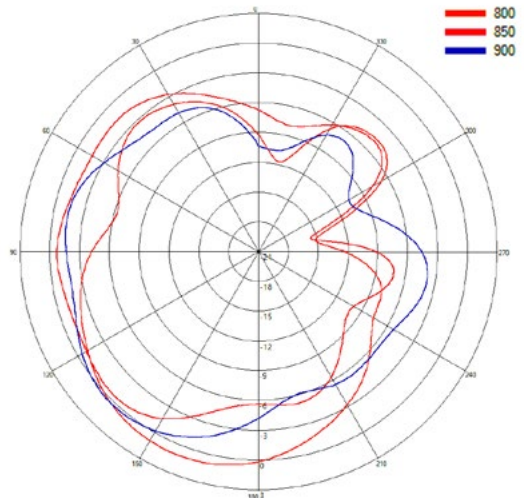
Typical H Plane- Cell B - Patterns- 700-800MHz



Typical 3D Pattern- Cell B - 850 MHz



Typical H Plane- Cell B - Patterns- 800-900MHz

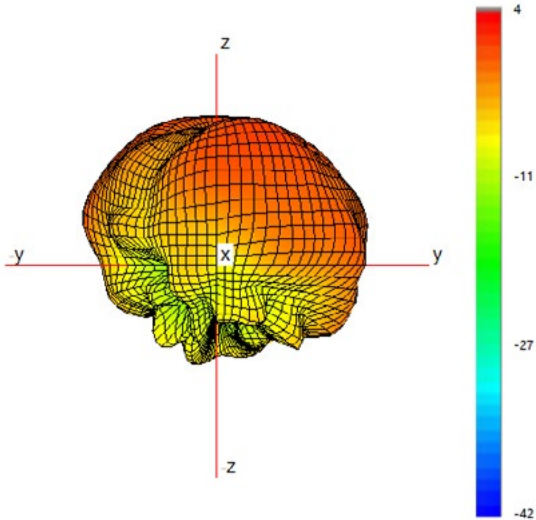


8x8 MiMo 4G/5G Dome Combination Antenna Range

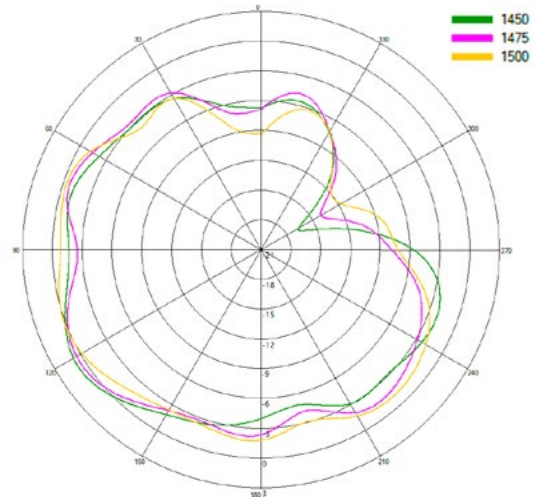
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell B

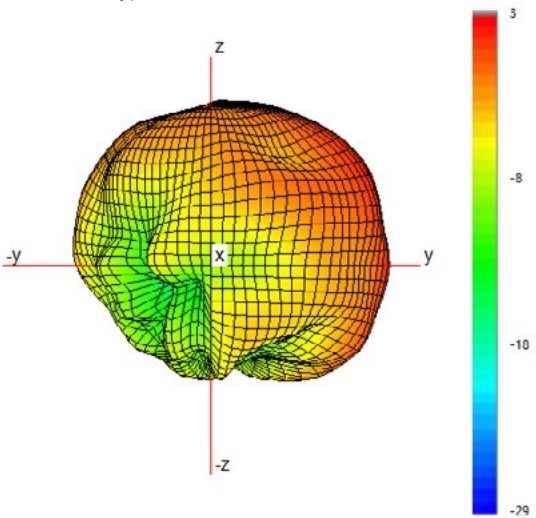
Typical 3D Pattern- Cell B - 1475 MHz



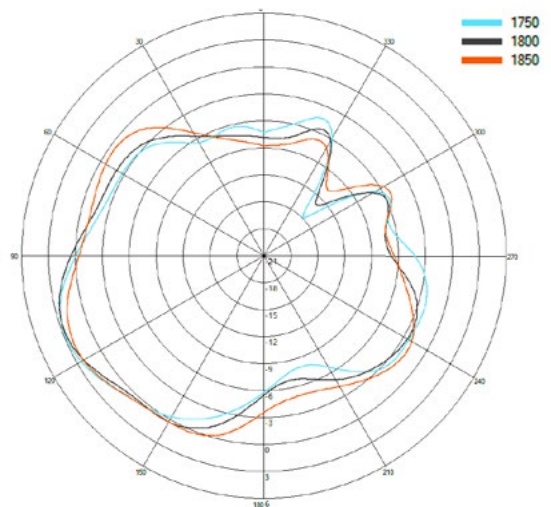
Typical H Plane- Cell B- Patterns- 1450-1500 MHz



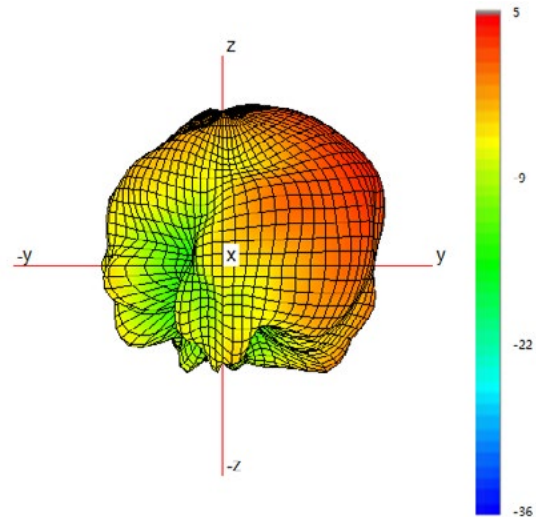
Typical 3D Pattern- Cell B - 1800 MHz



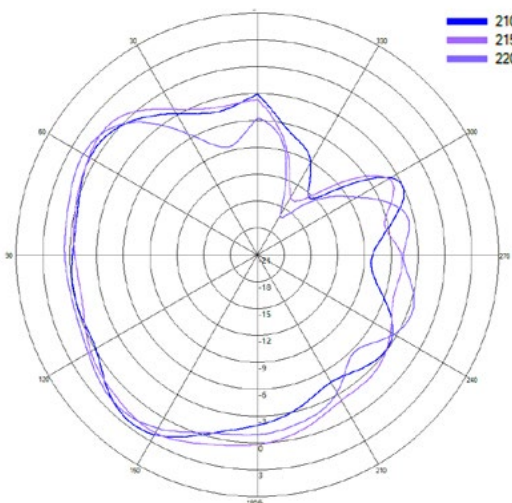
Typical H Plane- Cell B- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell B - 2150 MHz



Typical H Plane- Cell B- Patterns- 2100-2200 MHz

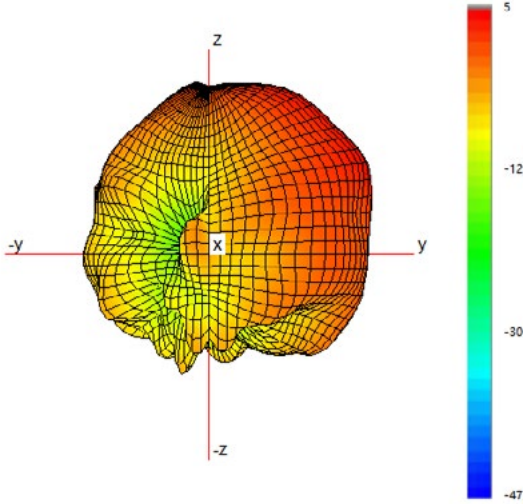


8x8 MiMo 4G/5G Dome Combination Antenna Range

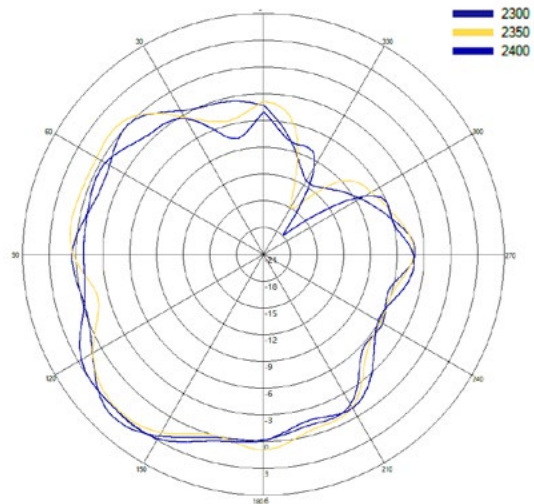
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell B

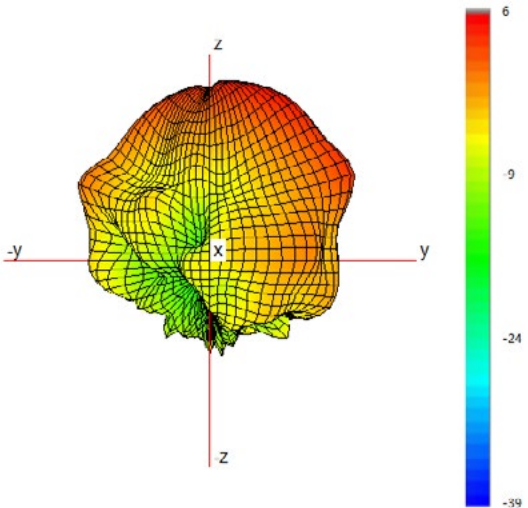
Typical 3D Pattern- Cell B - 2350 MHz



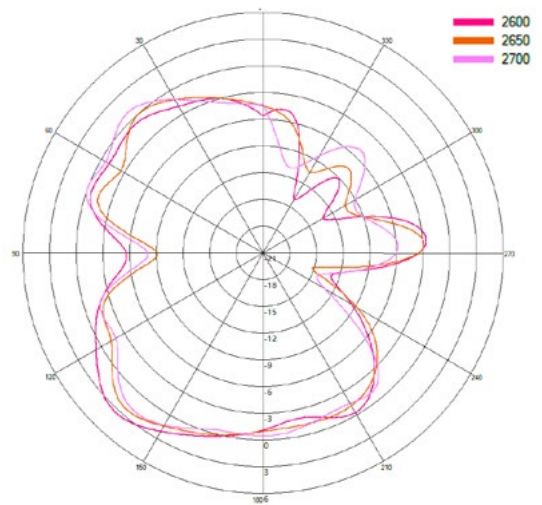
Typical H Plane- Cell B - Patterns- 2300-2400 MHz



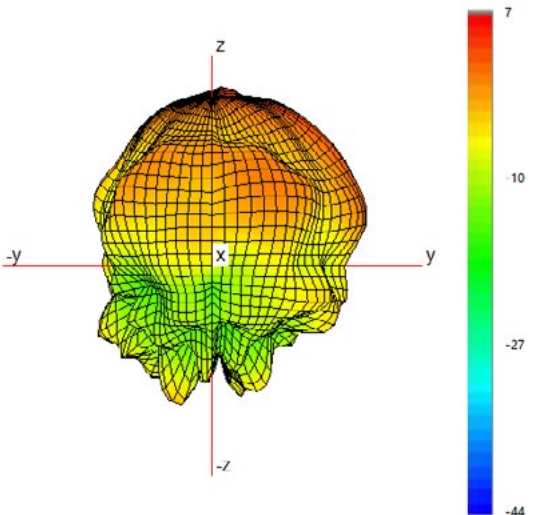
Typical 3D Pattern- Cell B - 2650 MHz



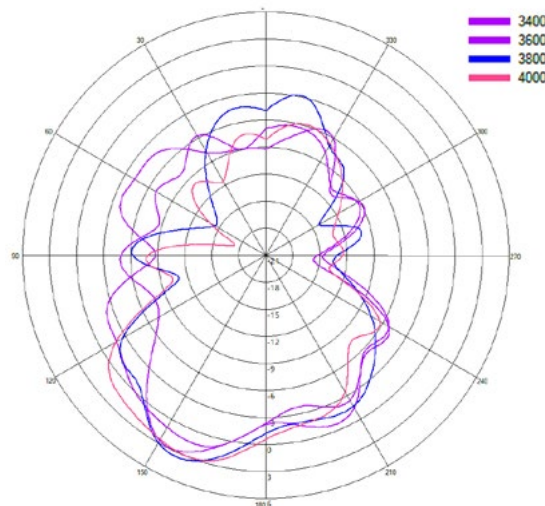
Typical H Plane- Cell B - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell B - 3600 MHz



Typical H Plane- Cell B - Patterns- 3400-4000 MHz

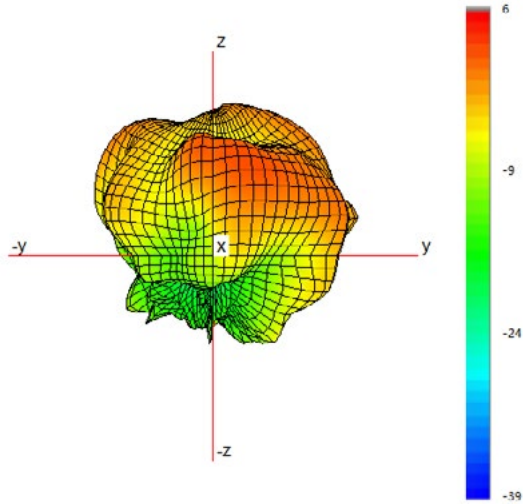


8x8 MiMo 4G/5G Dome Combination Antenna Range

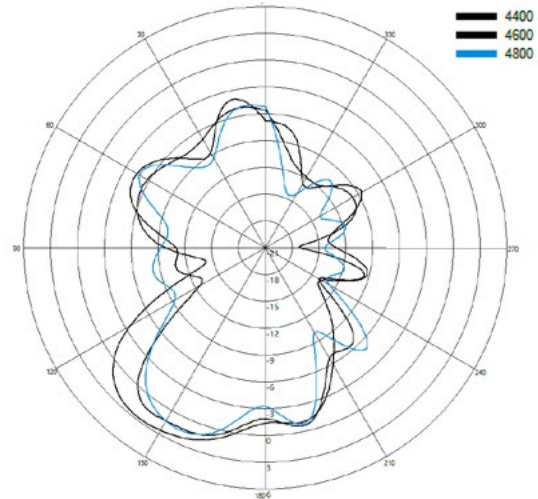
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell B

Typical 3D Pattern- Cell B - 4700 MHz



Typical H Plane- Cell B- Patterns- 4400-4800 MHz

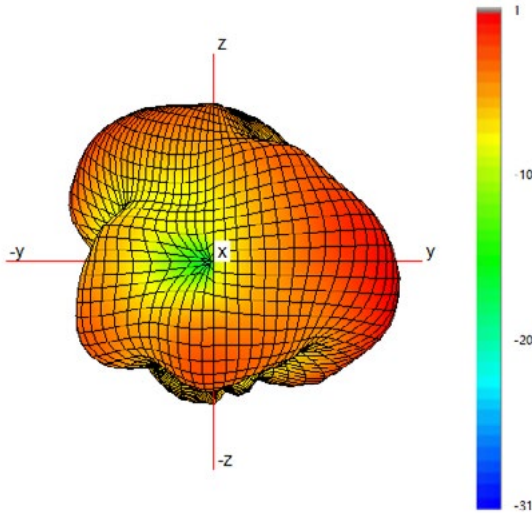


8x8 MiMo 4G/5G Dome Combination Antenna Range

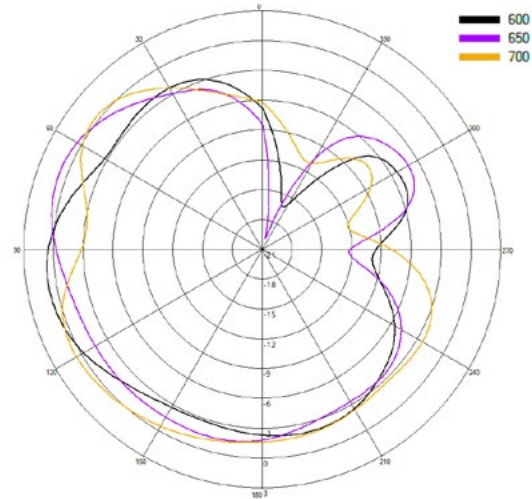
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell C

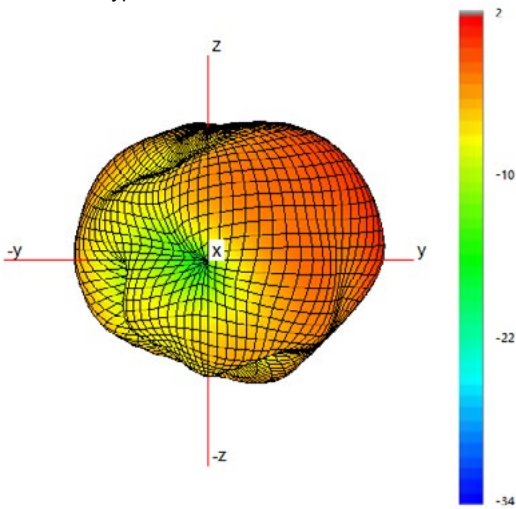
Typical 3D Pattern- Cell C - 650 MHz



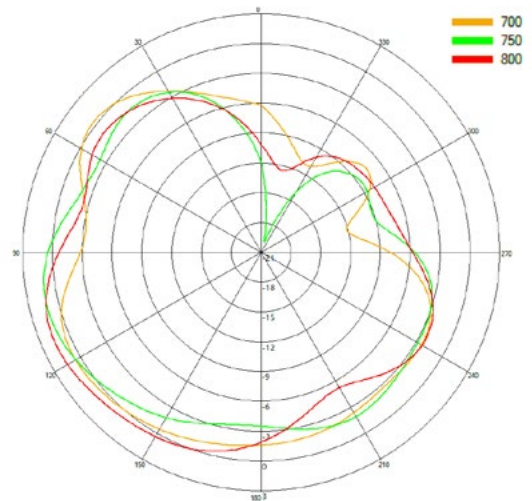
Typical H Plane- Cell C - Patterns- 600-700MHz



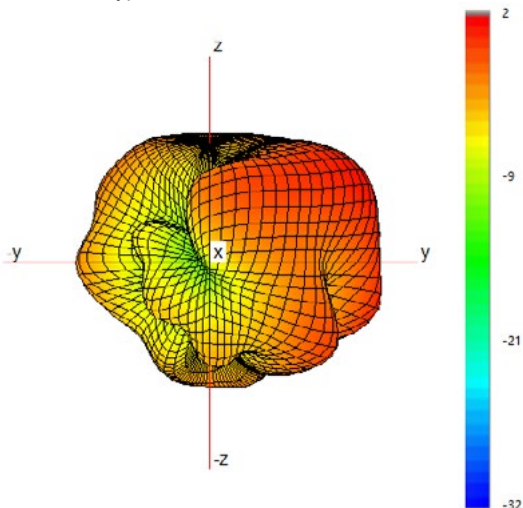
Typical 3D Pattern- Cell C - 750 MHz



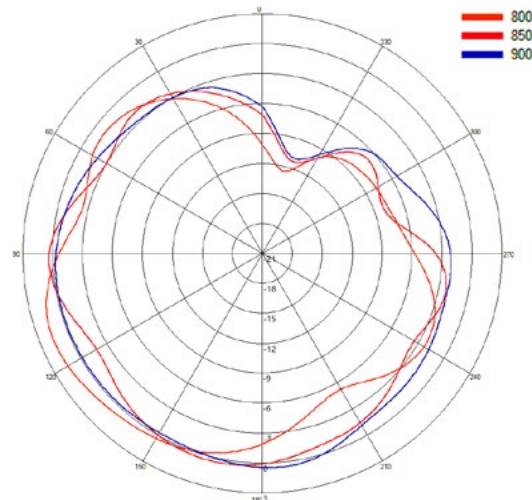
Typical H Plane- Cell C - Patterns- 700-800MHz



Typical 3D Pattern- Cell C - 850 MHz



Typical H Plane- Cell C - Patterns- 800-900MHz

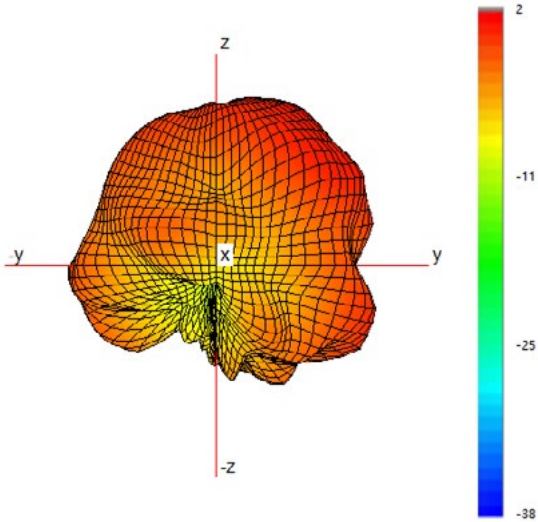


8x8 MiMo 4G/5G Dome Combination Antenna Range

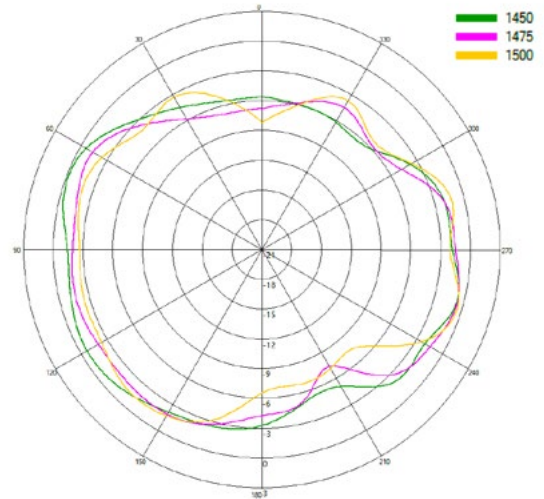
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell C

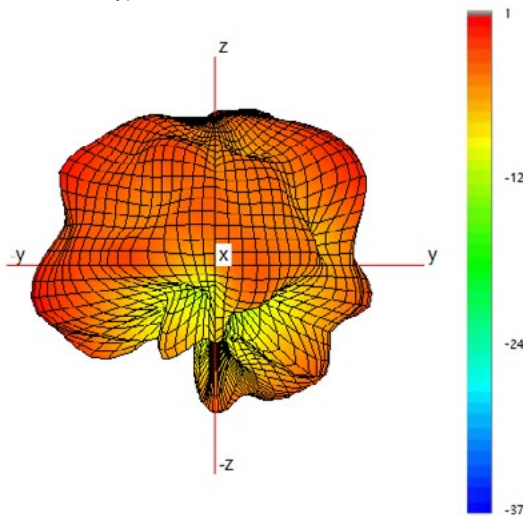
Typical 3D Pattern- Cell C - 1475 MHz



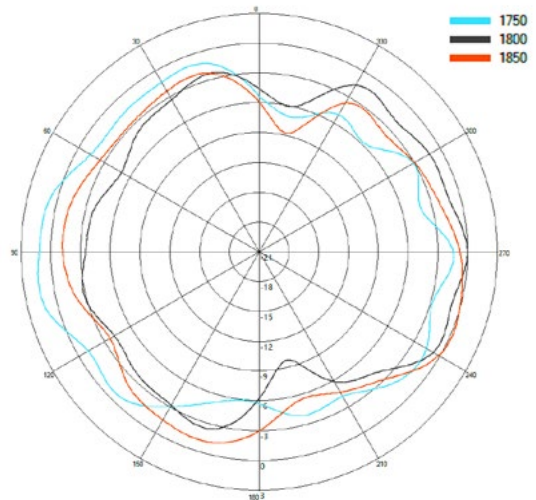
Typical H Plane- Cell C- Patterns- 1450-1500 MHz



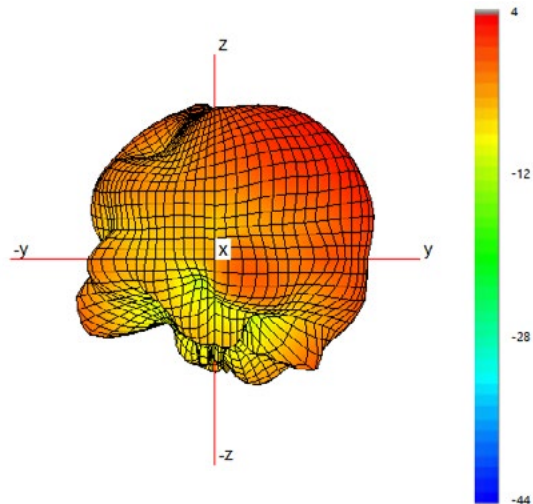
Typical 3D Pattern- Cell C - 1800 MHz



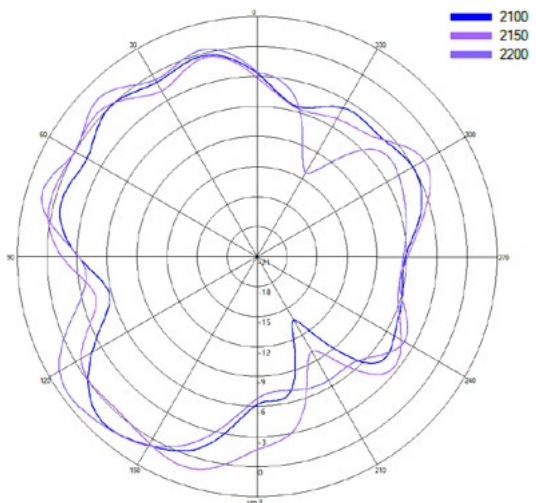
Typical H Plane- Cell C- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell C - 2150 MHz



Typical H Plane- Cell C- Patterns- 2100-2200 MHz

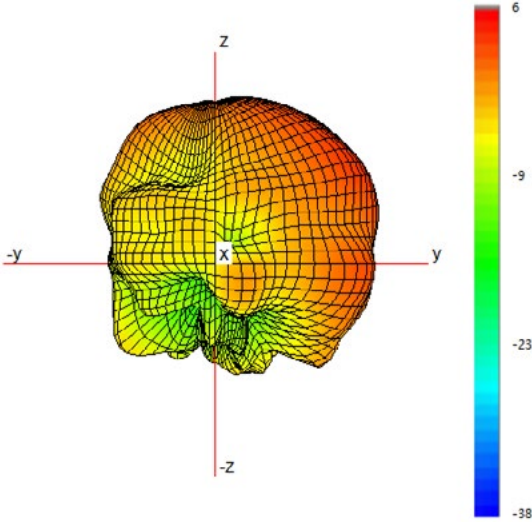


8x8 MiMo 4G/5G Dome Combination Antenna Range

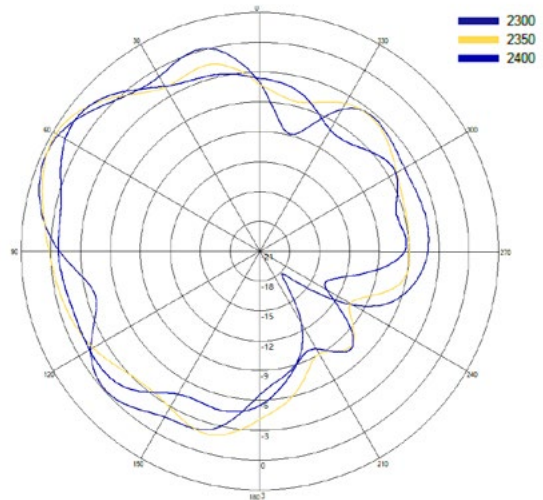
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell C

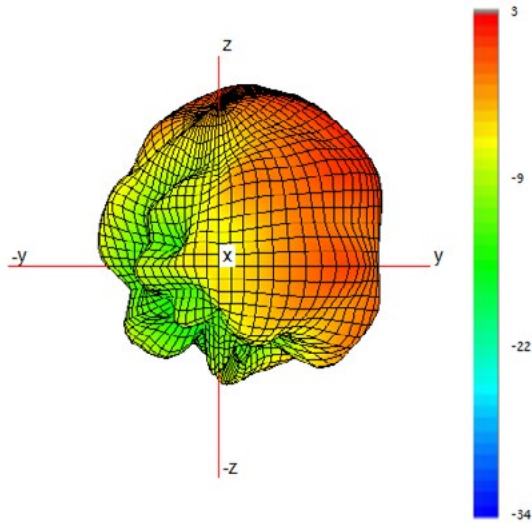
Typical 3D Pattern- Cell C - 2350 MHz



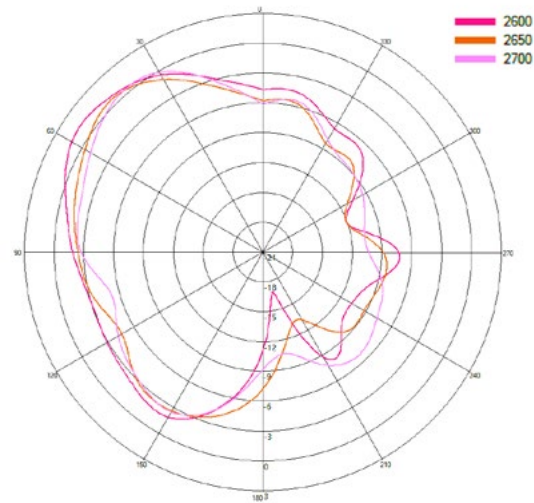
Typical H Plane- Cell C - Patterns- 2300-2400 MHz



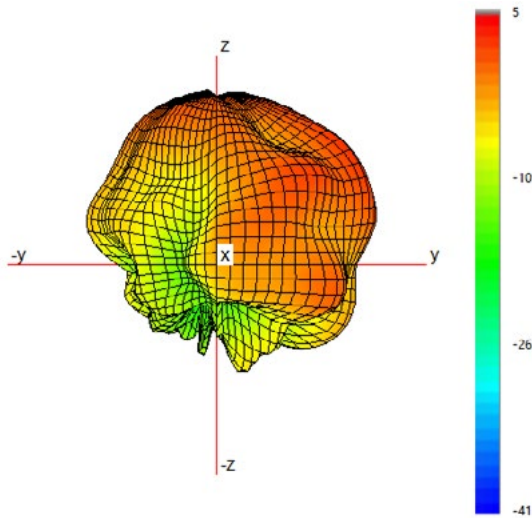
Typical 3D Pattern- Cell C - 2650 MHz



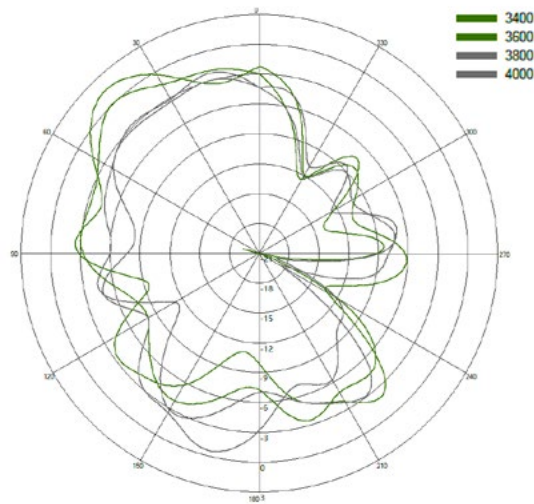
Typical H Plane- Cell C - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell C - 3600 MHz



Typical H Plane- Cell C - Patterns- 3400-4000 MHz

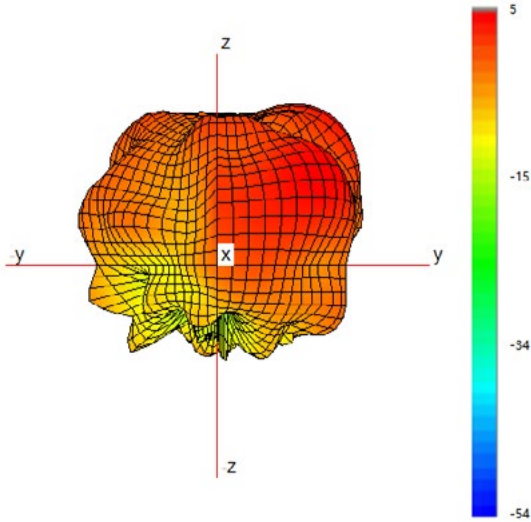


8x8 MiMo 4G/5G Dome Combination Antenna Range

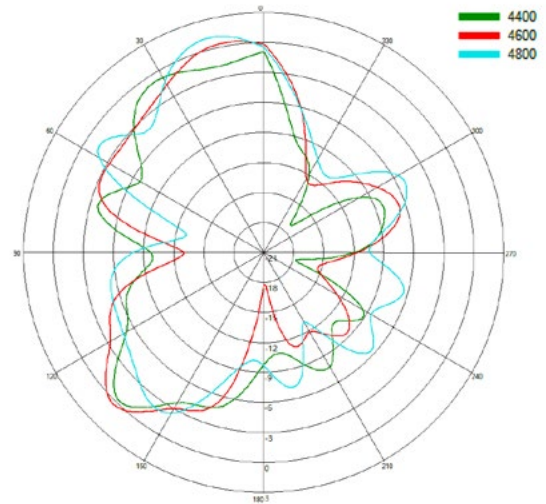
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell C

Typical 3D Pattern- Cell C - 4700 MHz



Typical H Plane- Cell C- Patterns- 4400-4800 MHz

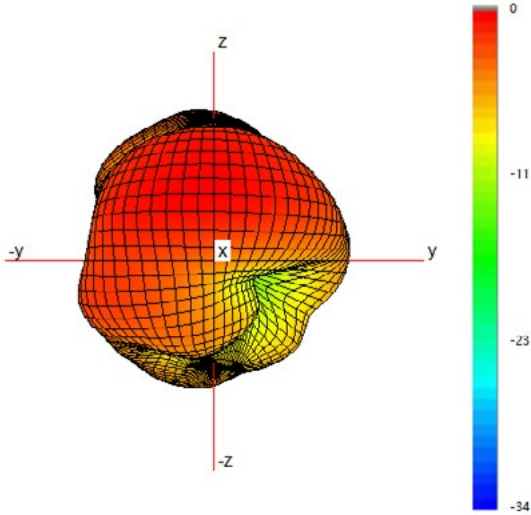


8x8 MiMo 4G/5G Dome Combination Antenna Range

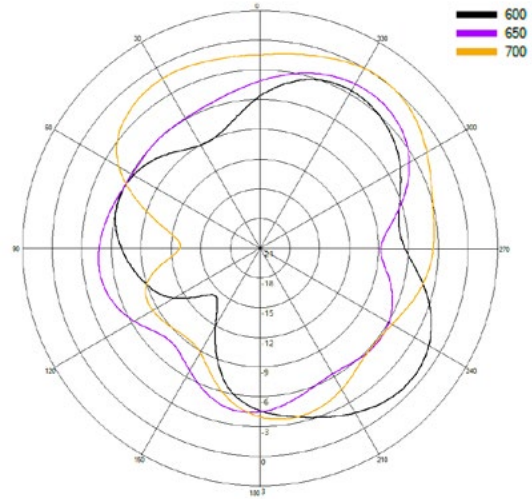
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell D

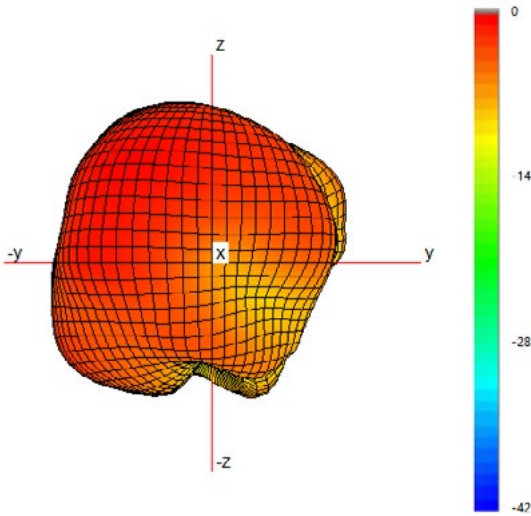
Typical 3D Pattern- Cell D - 650 MHz



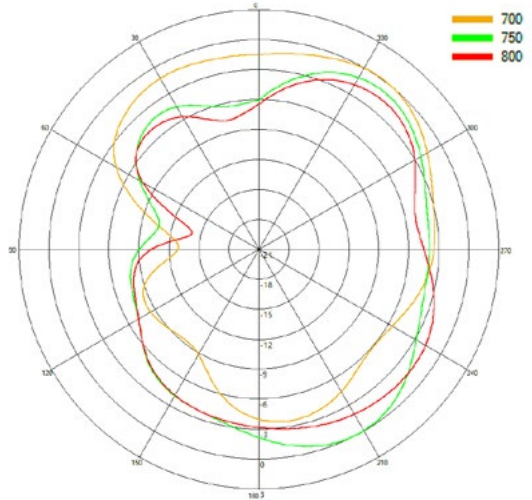
Typical H Plane- Cell D - Patterns- 600-700MHz



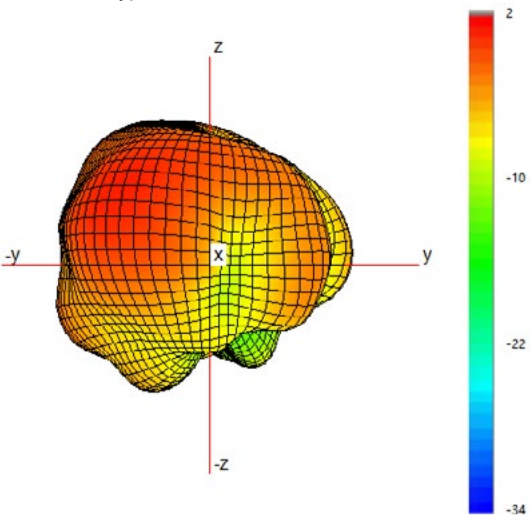
Typical 3D Pattern- Cell D - 750 MHz



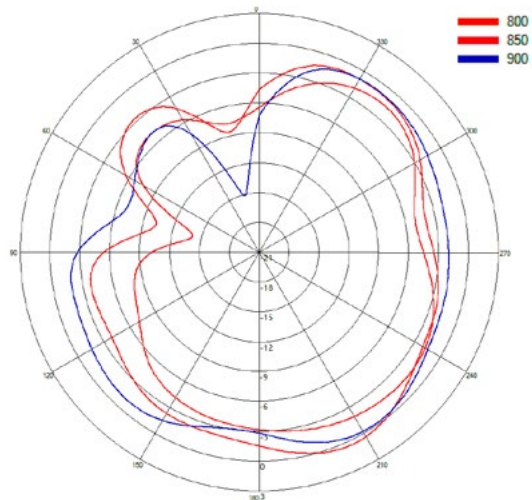
Typical H Plane- Cell D - Patterns- 700-800MHz



Typical 3D Pattern- Cell D - 850 MHz



Typical H Plane- Cell D- Patterns- 800-900MHz

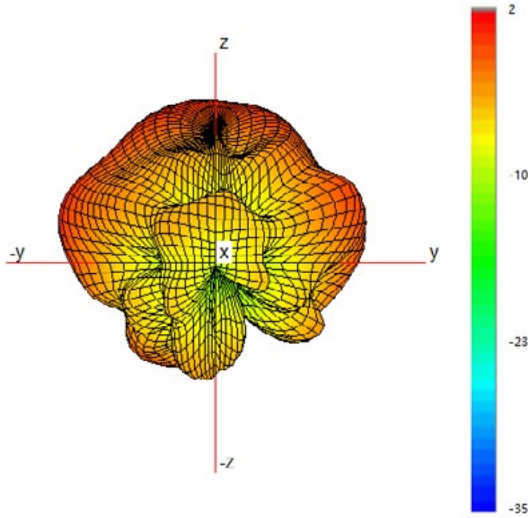


8x8 MiMo 4G/5G Dome Combination Antenna Range

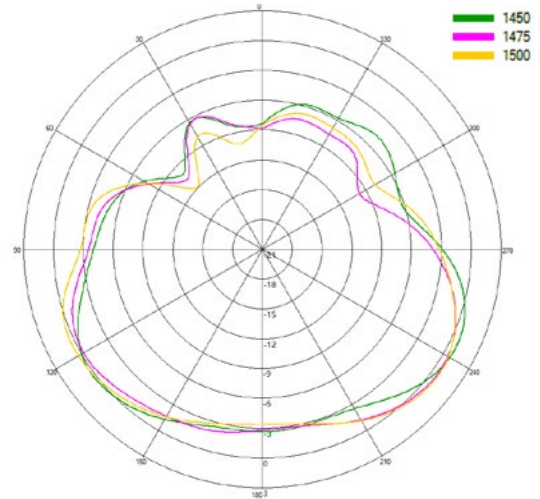
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell D

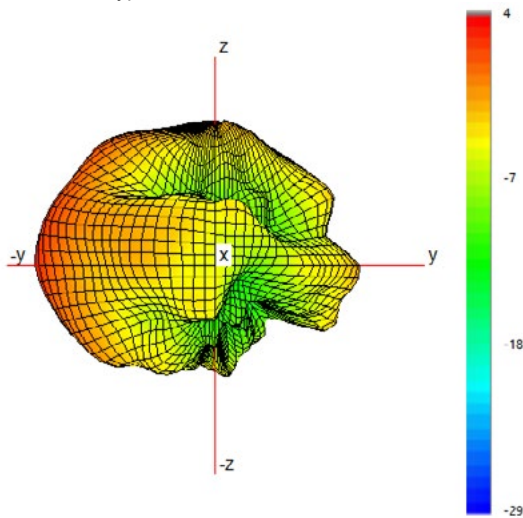
Typical 3D Pattern- Cell D - 1475 MHz



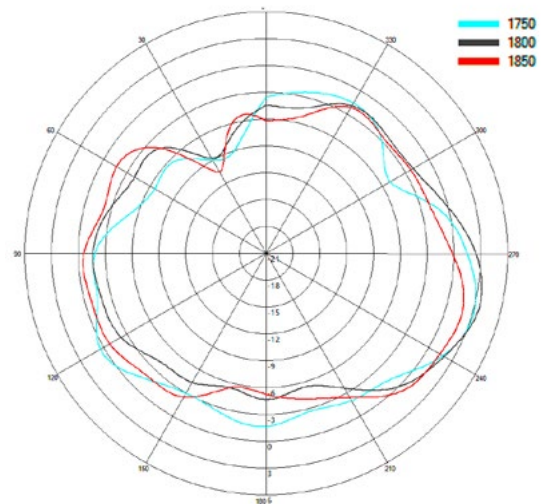
Typical H Plane- Cell D- Patterns- 1450-1500 MHz



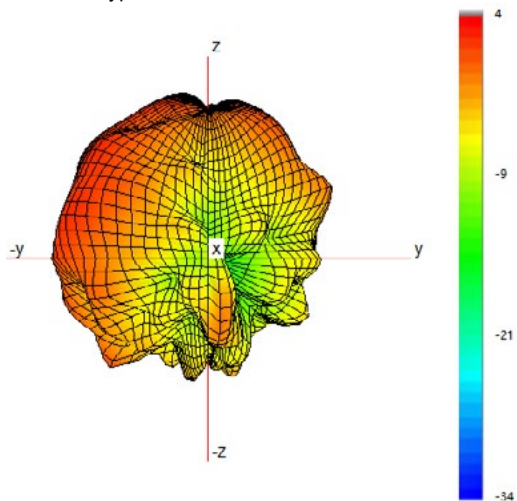
Typical 3D Pattern- Cell D- 1800 MHz



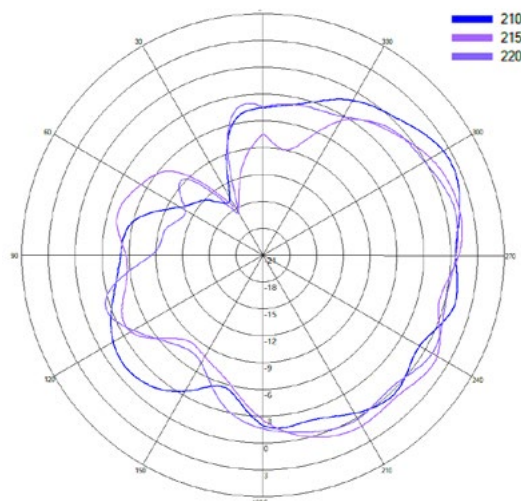
Typical H Plane- Cell D- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell D - 2150 MHz



Typical H Plane- Cell D- Patterns- 2100-2200 MHz

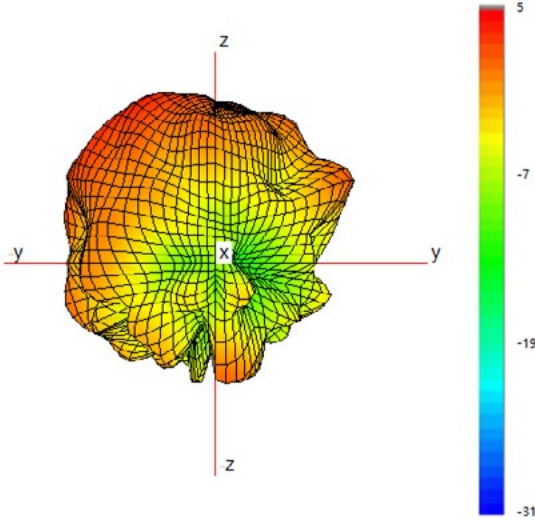


8x8 MiMo 4G/5G Dome Combination Antenna Range

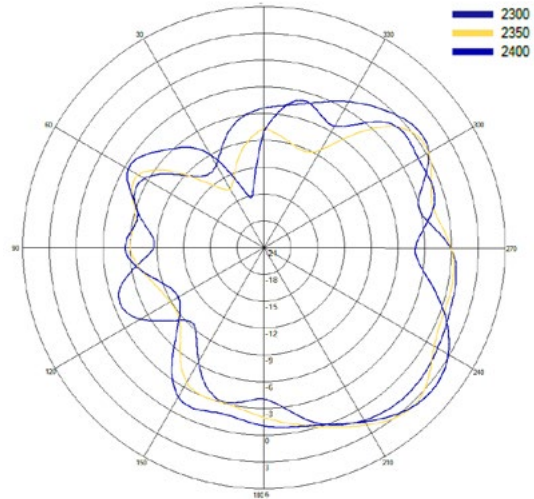
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell D

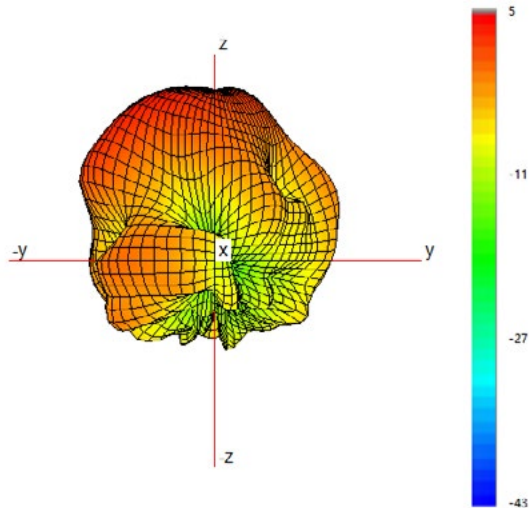
Typical 3D Pattern- Cell D - 2350 MHz



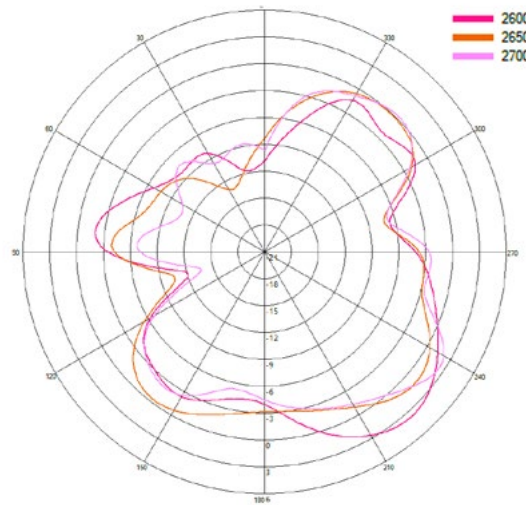
Typical H Plane- Cell D - Patterns- 2300-2400 MHz



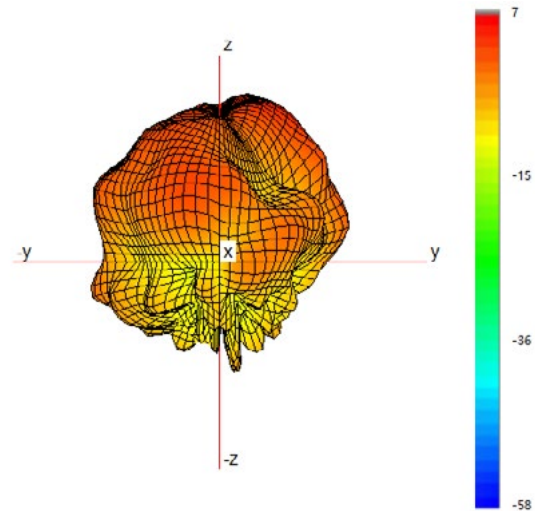
Typical 3D Pattern- Cell D - 2650 MHz



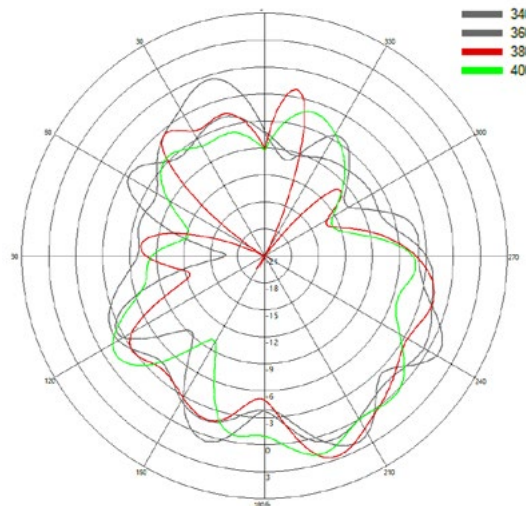
Typical H Plane- Cell D - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell D - 3600 MHz



Typical H Plane- Cell D - Patterns- 3400-4000 MHz

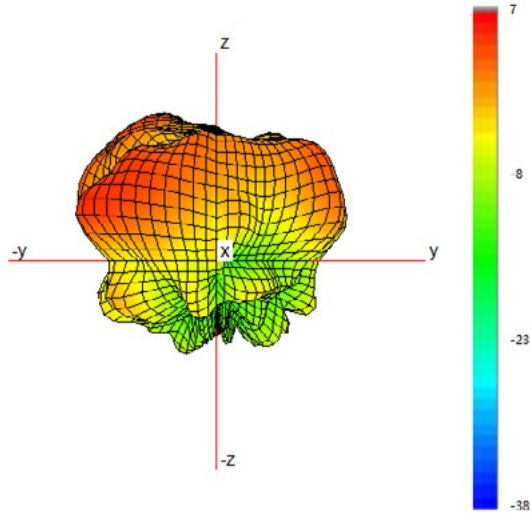


8x8 MiMo 4G/5G Dome Combination Antenna Range

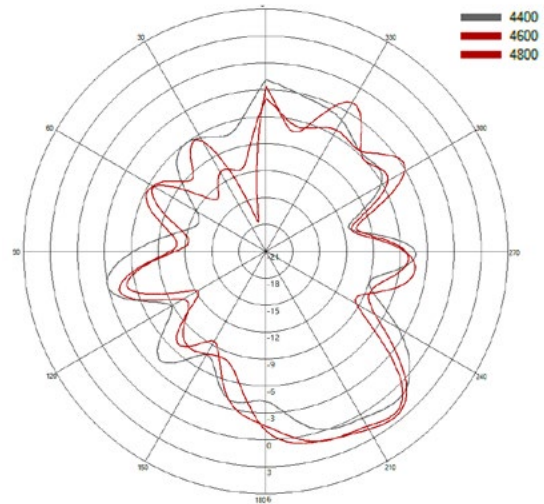
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell D

Typical 3D Pattern- Cell D - 4700 MHz



Typical H Plane- Cell D- Patterns- 4400-4800 MHz

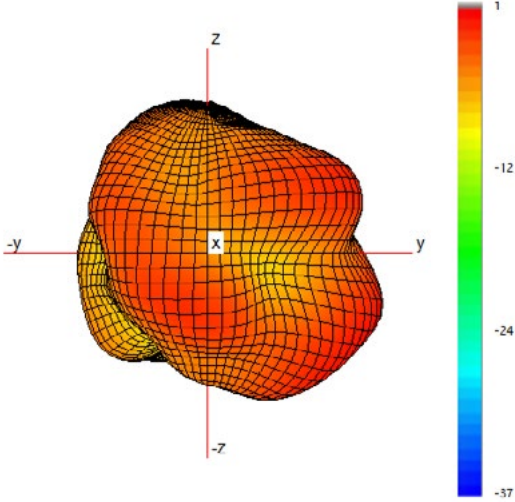


8x8 MiMo 4G/5G Dome Combination Antenna Range

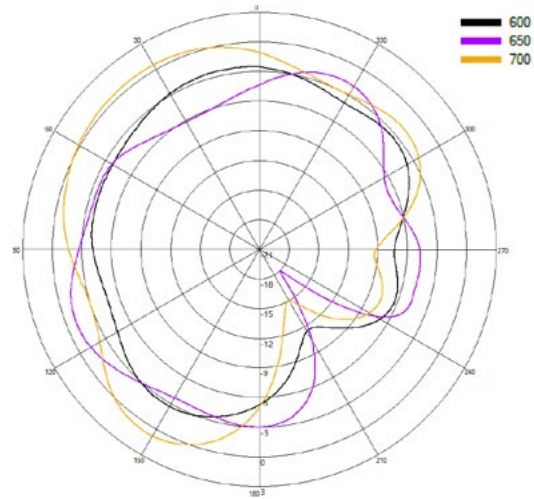
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell E

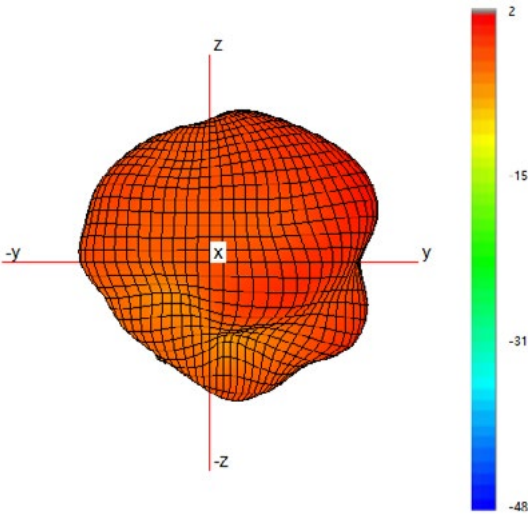
Typical 3D Pattern- Cell E - 650 MHz



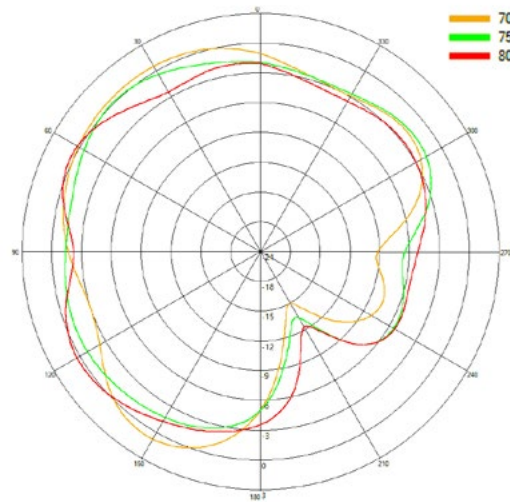
Typical H Plane- Cell E - Patterns- 600-700MHz



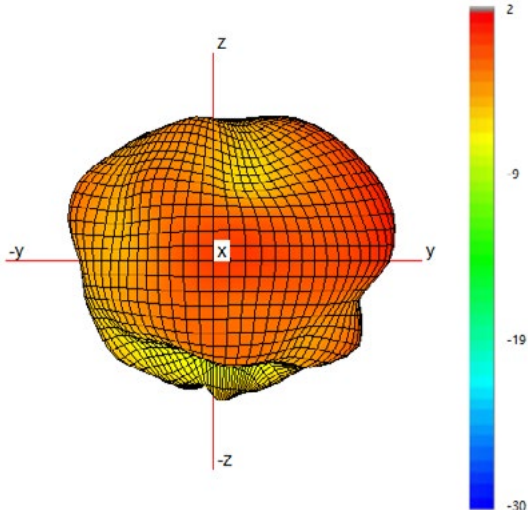
Typical 3D Pattern- Cell E - 750 MHz



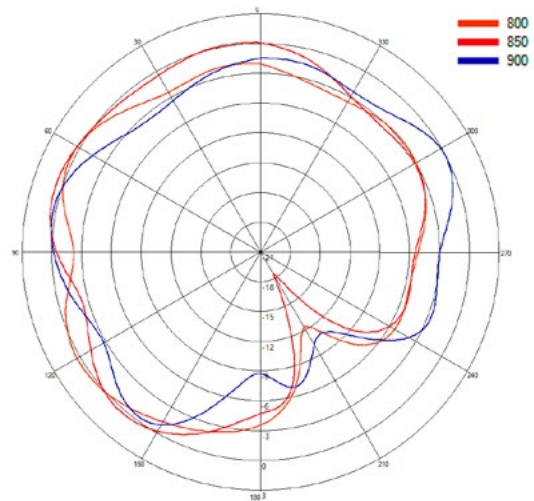
Typical H Plane- Cell E - Patterns- 700-800MHz



Typical 3D Pattern- Cell E - 850 MHz



Typical H Plane- Cell E- Patterns- 800-900MHz

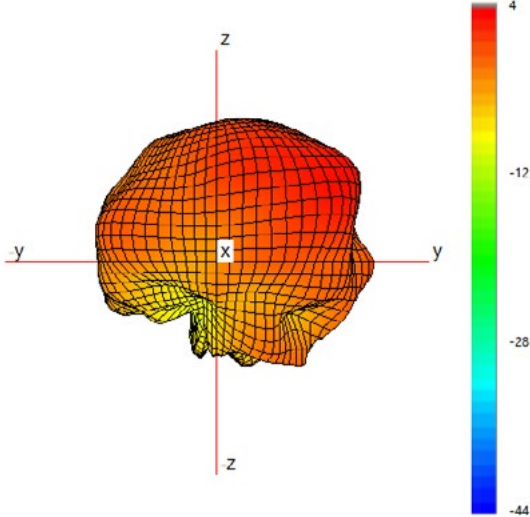


8x8 MiMo 4G/5G Dome Combination Antenna Range

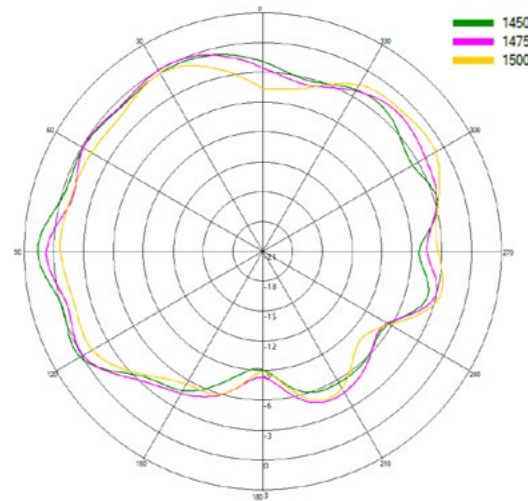
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell E

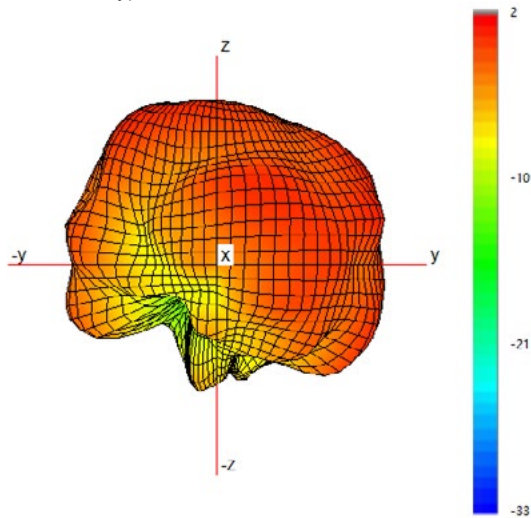
Typical 3D Pattern- Cell E - 1475 MHz



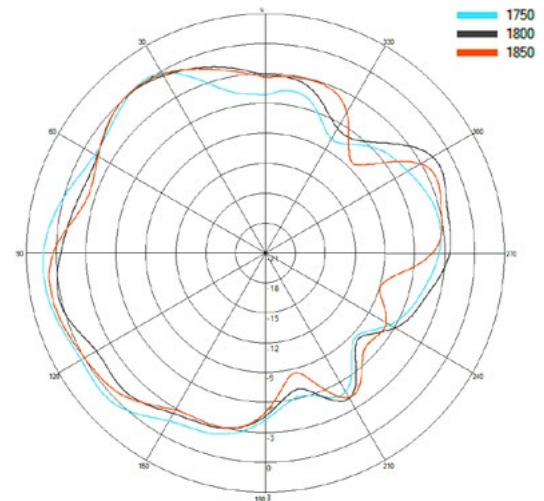
Typical H Plane- Cell E- Patterns- 1450-1500 MHz



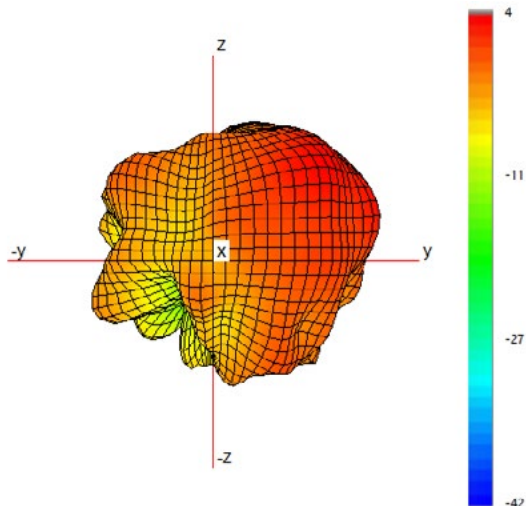
Typical 3D Pattern- Cell E- 1800 MHz



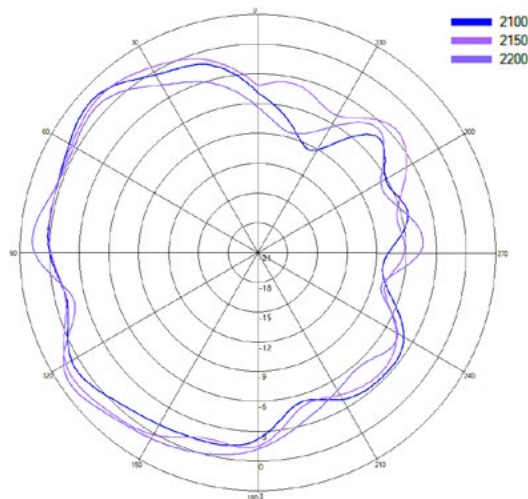
Typical H Plane- Cell E- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell E - 2150 MHz



Typical H Plane- Cell E- Patterns- 2100-2200 MHz

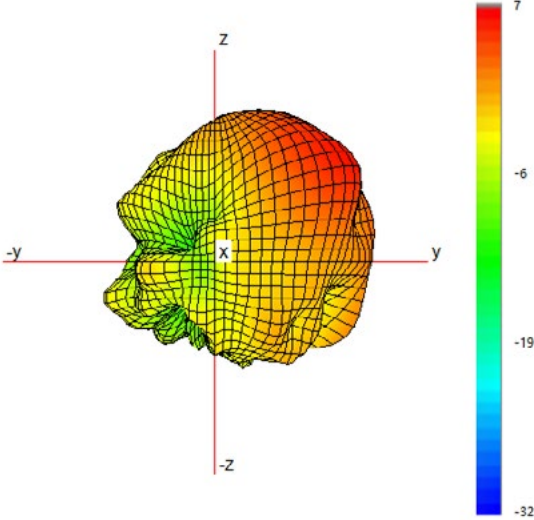


8x8 MiMo 4G/5G Dome Combination Antenna Range

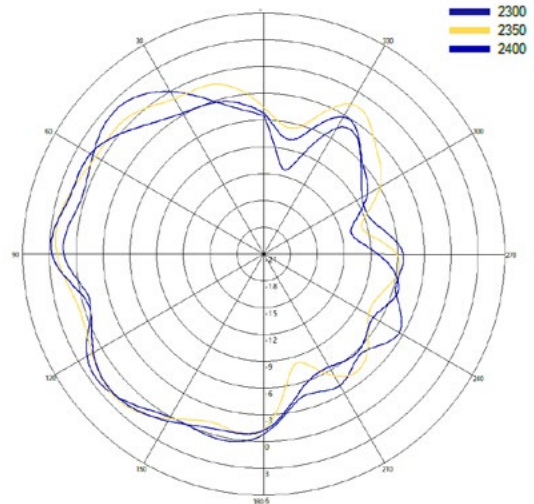
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell E

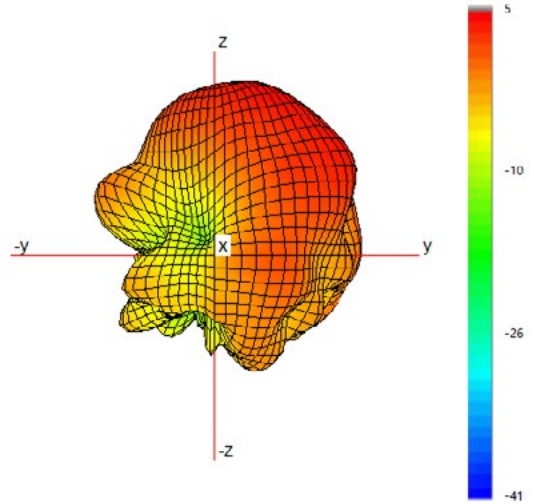
Typical 3D Pattern- Cell E - 2350 MHz



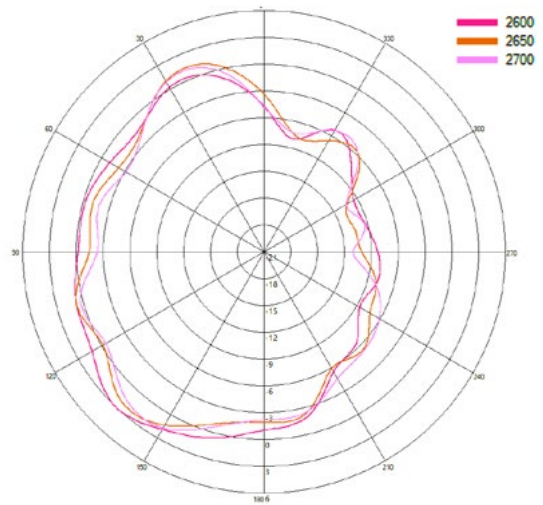
Typical H Plane- Cell E - Patterns- 2300-2400 MHz



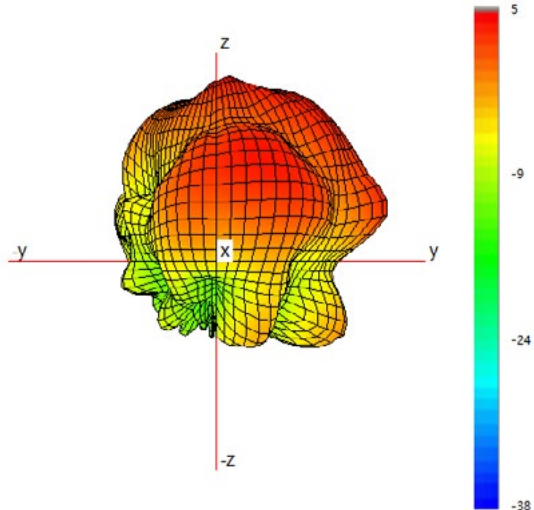
Typical 3D Pattern- Cell E - 2650 MHz



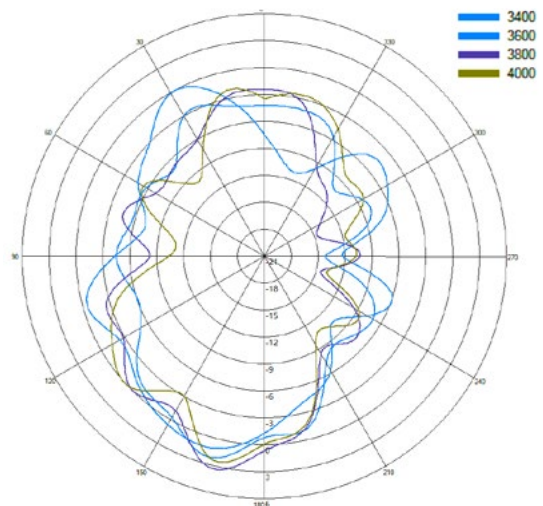
Typical H Plane- Cell E - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell E - 3600 MHz



Typical H Plane- Cell E - Patterns- 3400-4000 MHz

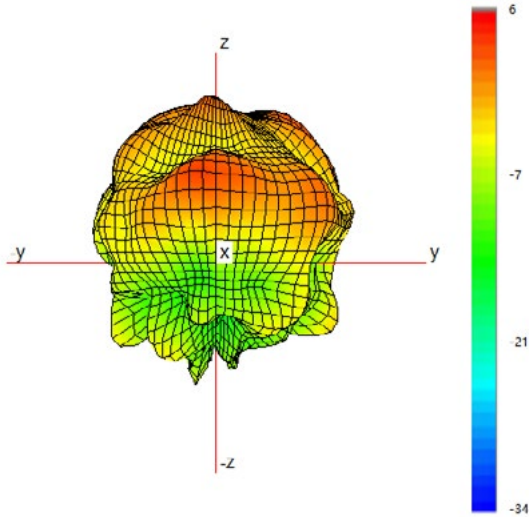


8x8 MiMo 4G/5G Dome Combination Antenna Range

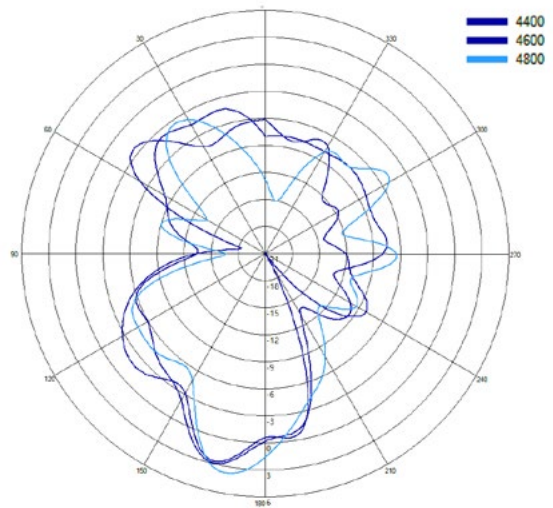
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell E

Typical 3D Pattern- Cell E - 4700 MHz



Typical H Plane- Cell E- Patterns- 4400-4800 MHz

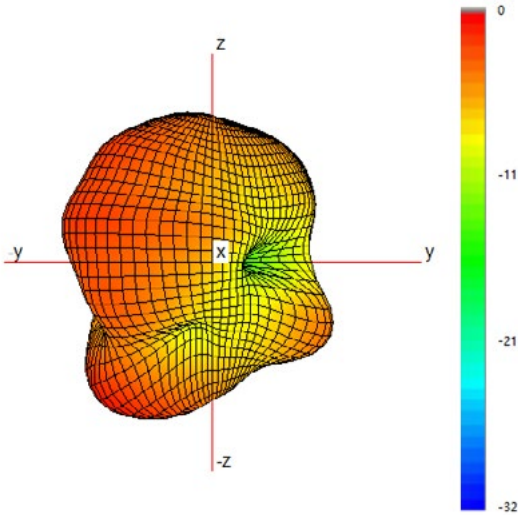


8x8 MiMo 4G/5G Dome Combination Antenna Range

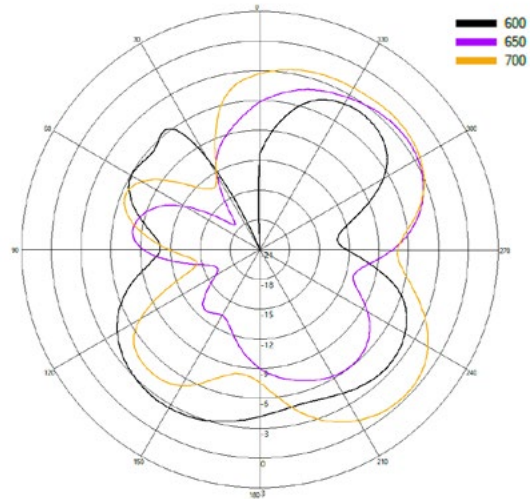
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell F

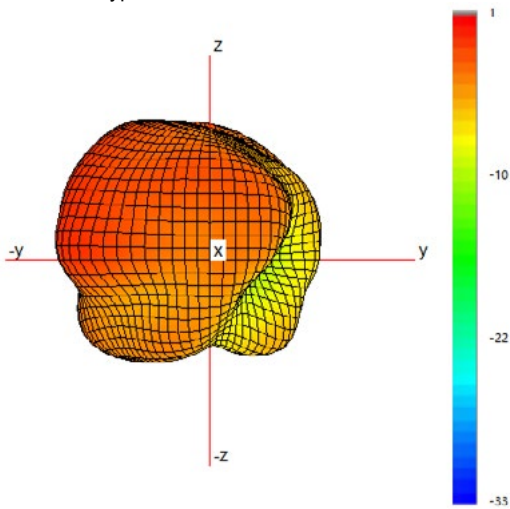
Typical 3D Pattern- Cell F - 650 MHz



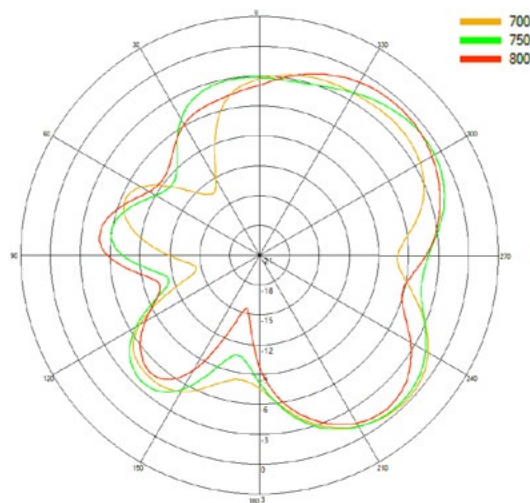
Typical H Plane- Cell F - Patterns- 600-700MHz



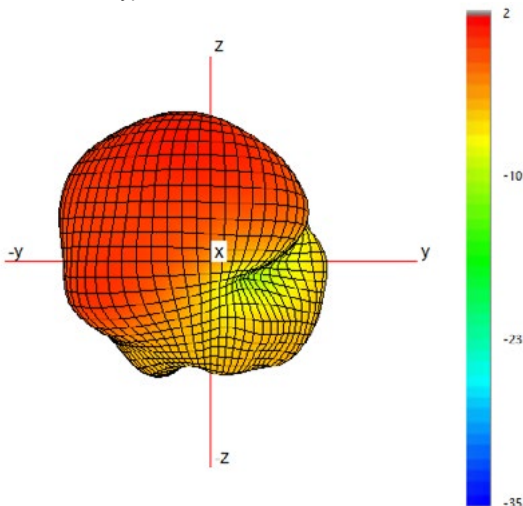
Typical 3D Pattern- Cell F - 750 MHz



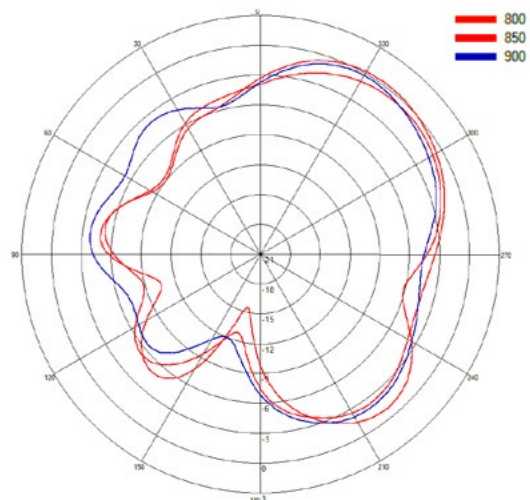
Typical H Plane- Cell F - Patterns- 700-800MHz



Typical 3D Pattern- Cell F - 850 MHz



Typical H Plane- Cell F - Patterns- 800-900MHz

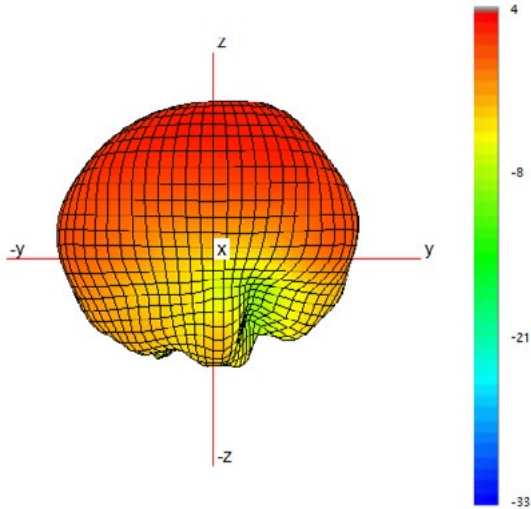


8x8 MiMo 4G/5G Dome Combination Antenna Range

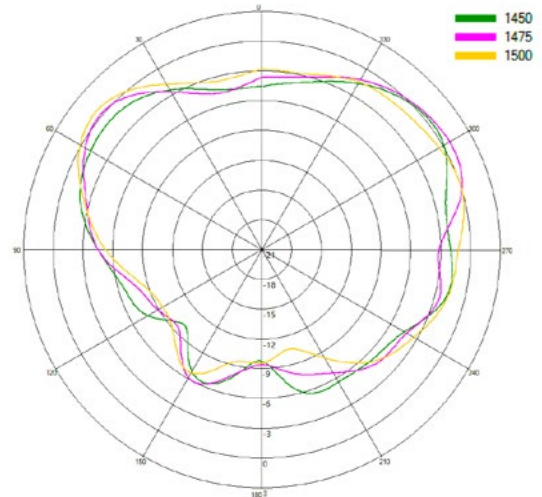
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell F

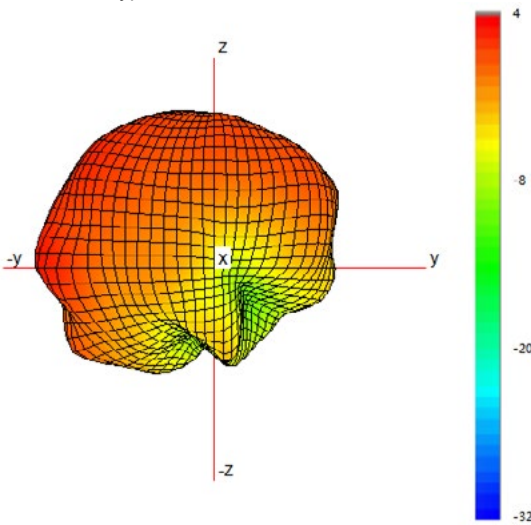
Typical 3D Pattern- Cell F - 1475 MHz



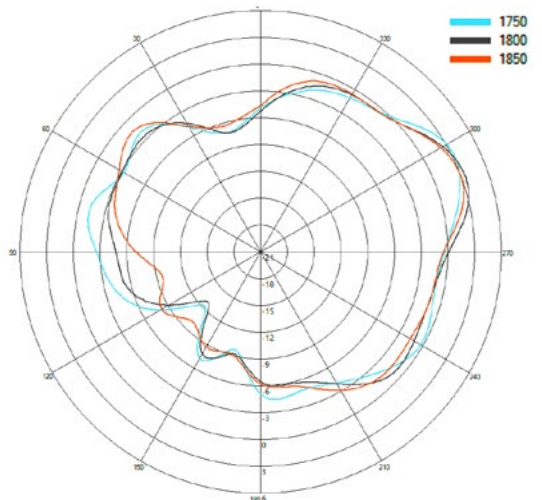
Typical H Plane- Cell F- Patterns- 1450-1500 MHz



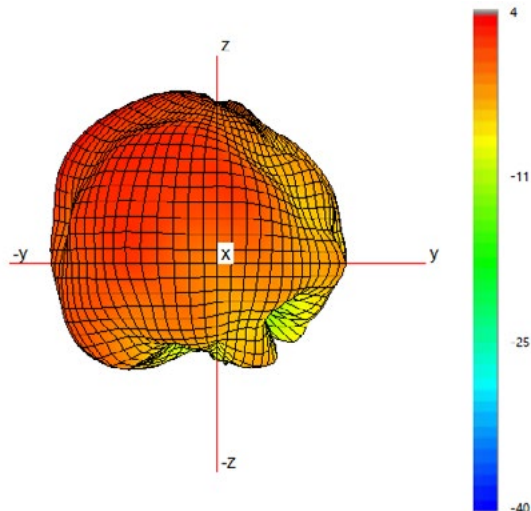
Typical 3D Pattern- Cell F - 1800 MHz



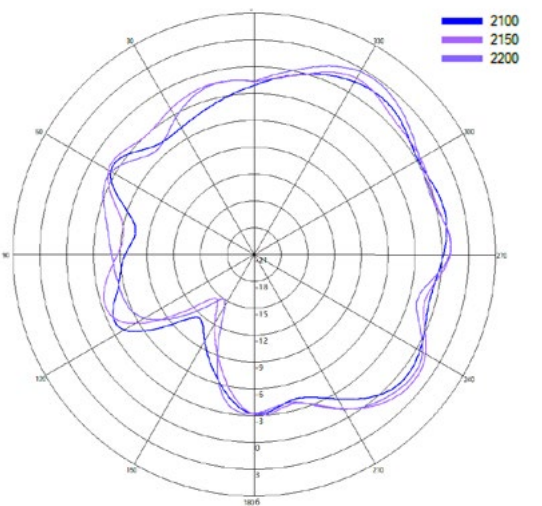
Typical H Plane- Cell F- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell F - 2150 MHz



Typical H Plane- Cell F- Patterns- 2100-2200 MHz

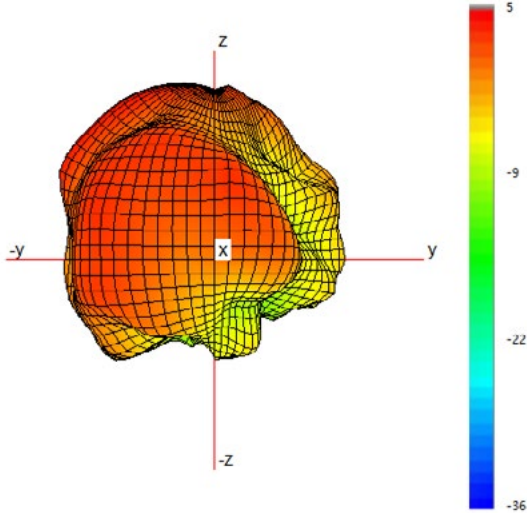


8x8 MiMo 4G/5G Dome Combination Antenna Range

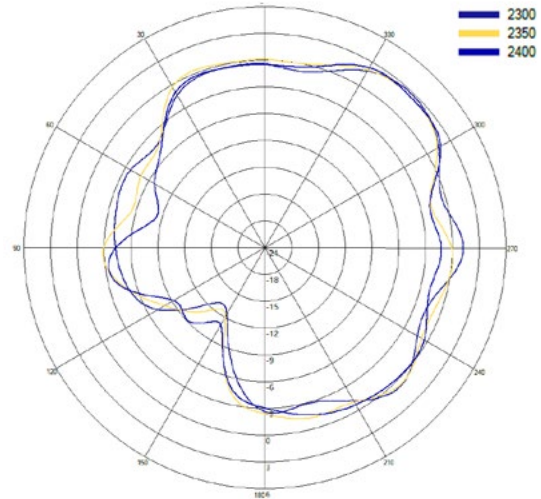
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell F

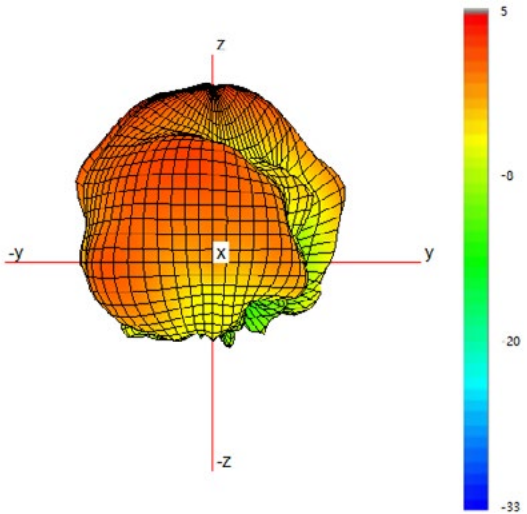
Typical 3D Pattern- Cell F - 2350 MHz



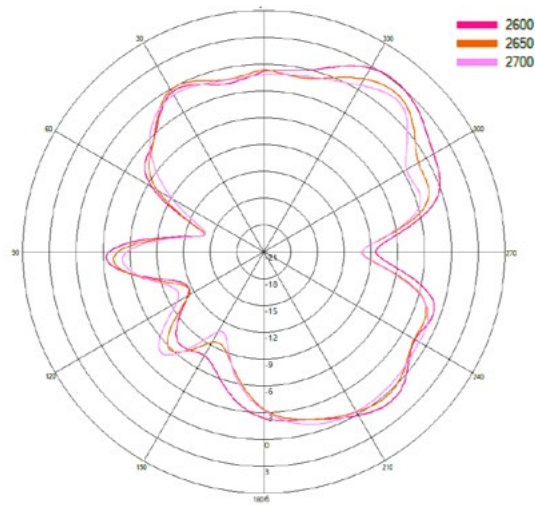
Typical H Plane- Cell F - Patterns- 2300-2400 MHz



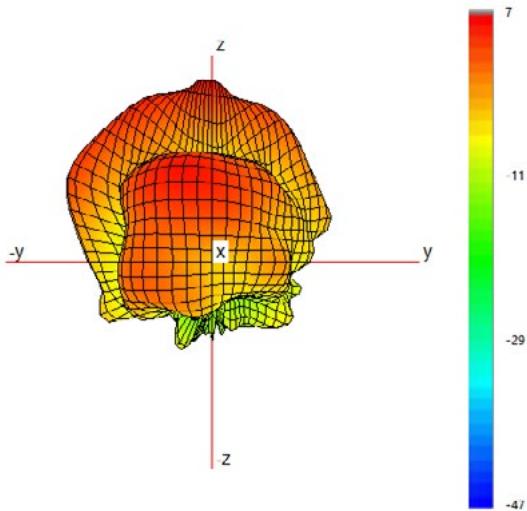
Typical 3D Pattern- Cell F - 2650 MHz



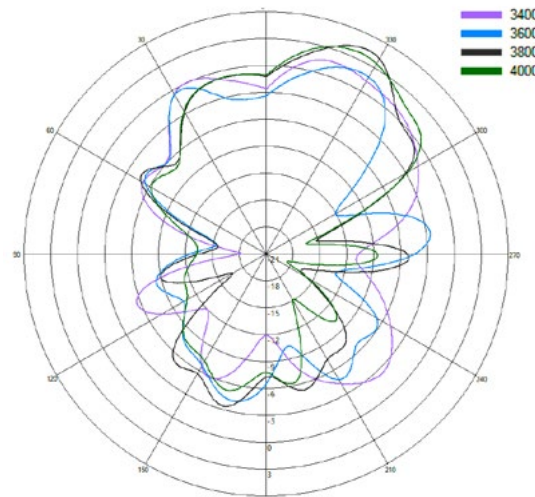
Typical H Plane- Cell F - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell F - 3600 MHz



Typical H Plane- Cell F - Patterns- 3400-4000 MHz

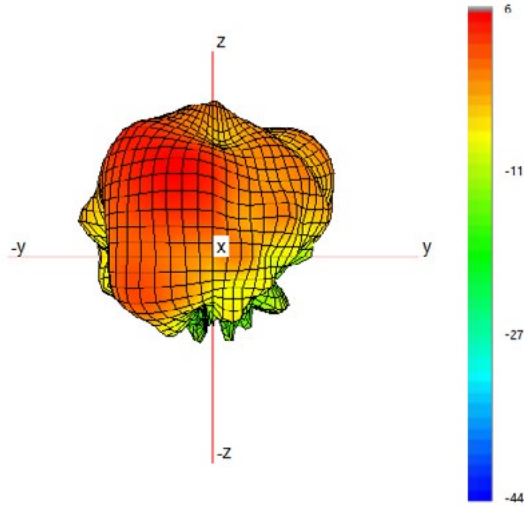


8x8 MiMo 4G/5G Dome Combination Antenna Range

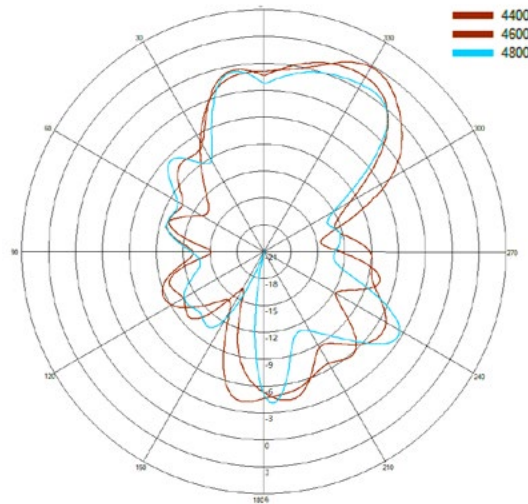
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell F

Typical 3D Pattern- Cell F - 4700 MHz



Typical H Plane- Cell F - Patterns- 4400-4800 MHz

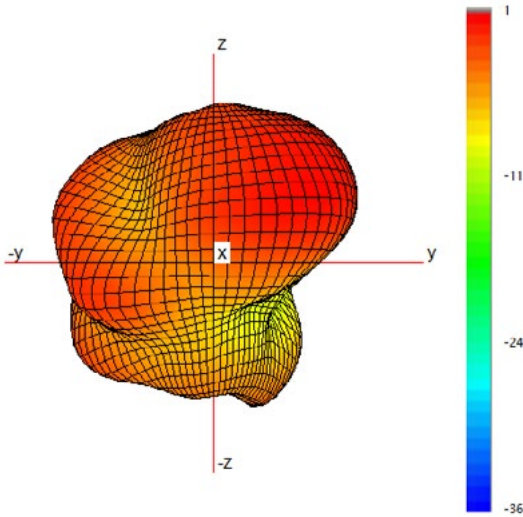


8x8 MiMo 4G/5G Dome Combination Antenna Range

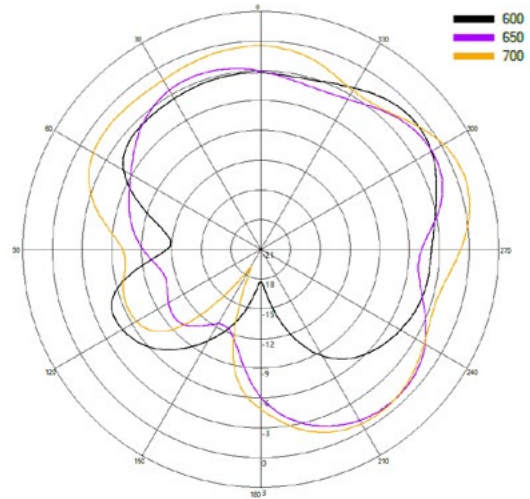
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell G

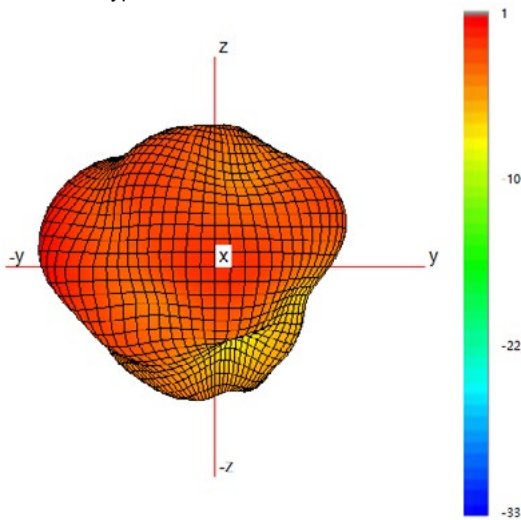
Typical 3D Pattern- Cell G - 650 MHz



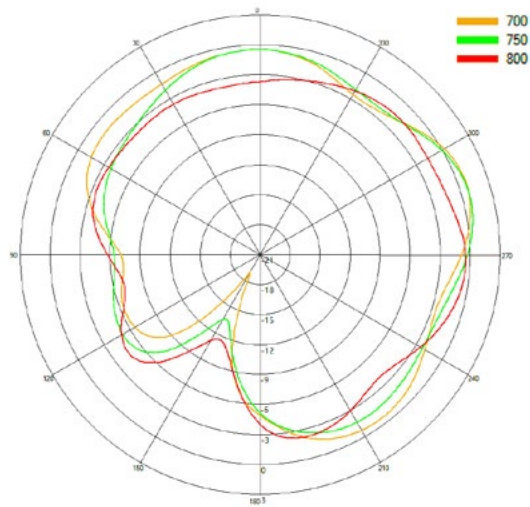
Typical H Plane- Cell G - Patterns- 600-700MHz



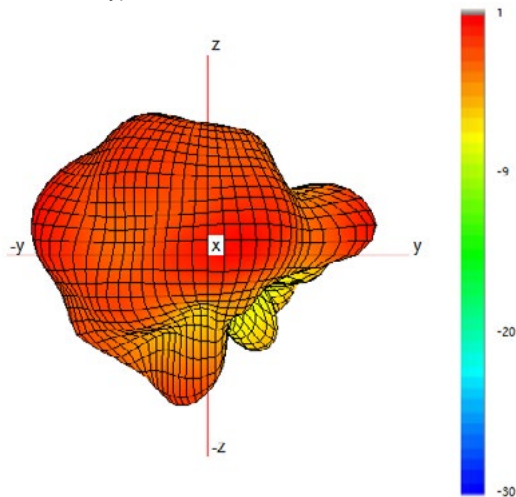
Typical 3D Pattern- Cell G - 750 MHz



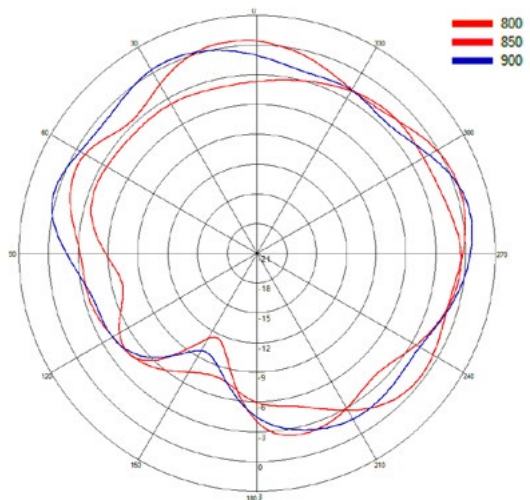
Typical H Plane- Cell G - Patterns- 700-800MHz



Typical 3D Pattern- Cell G - 850 MHz



Typical H Plane- Cell G- Patterns- 800-900MHz

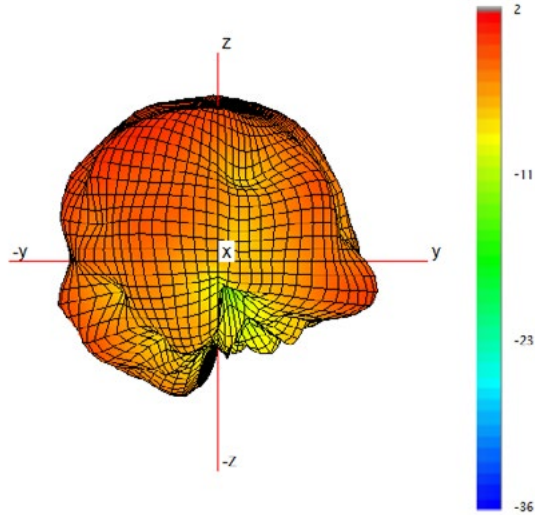


8x8 MiMo 4G/5G Dome Combination Antenna Range

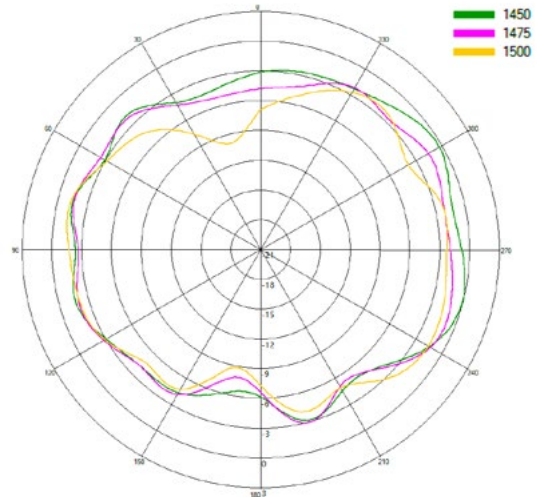
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell G

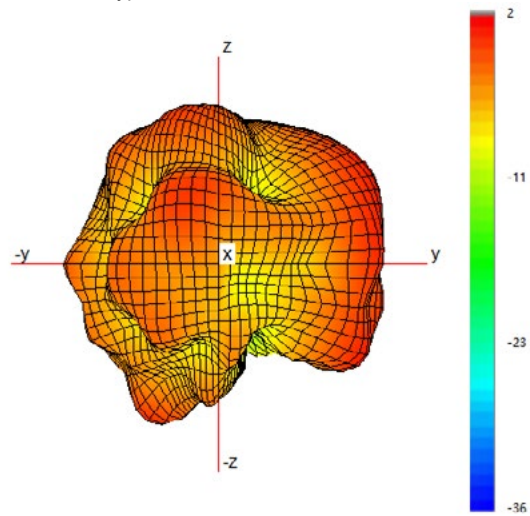
Typical 3D Pattern- Cell G - 1475 MHz



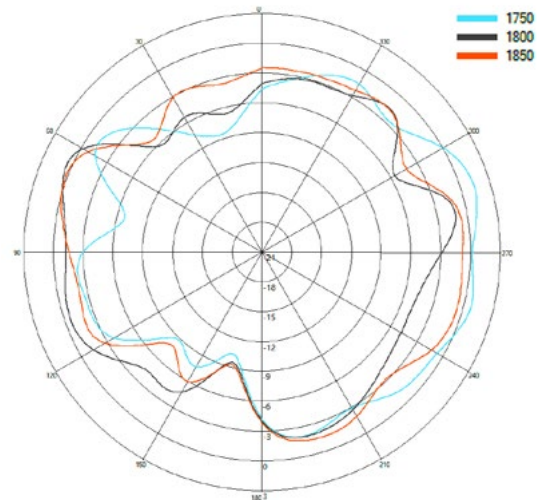
Typical H Plane- Cell G- Patterns- 1450-1500 MHz



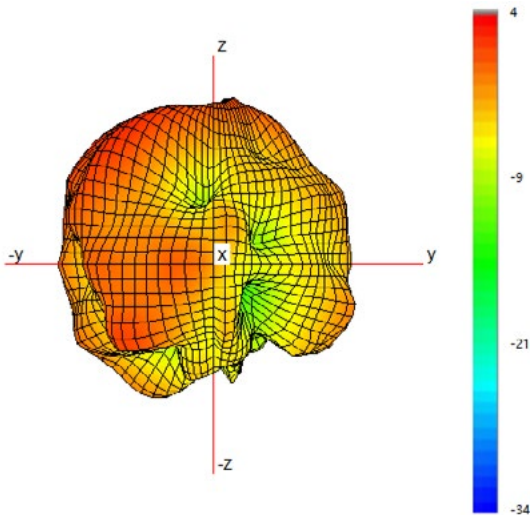
Typical 3D Pattern- Cell G- 1800 MHz



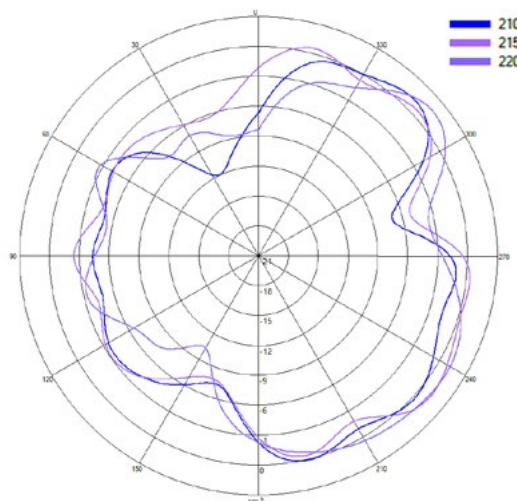
Typical H Plane- Cell G- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell G - 2150 MHz



Typical H Plane- Cell G- Patterns- 2100-2200 MHz

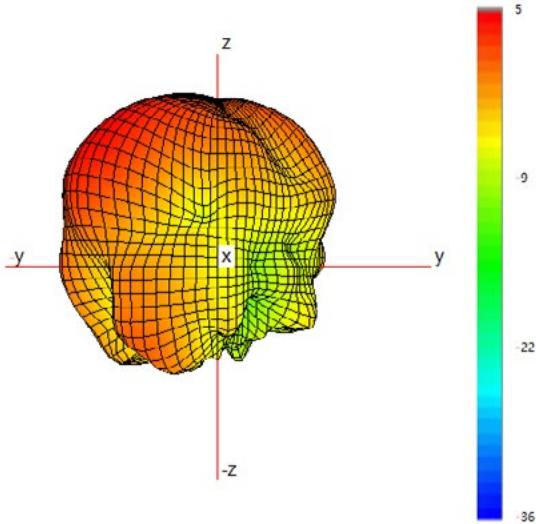


8x8 MiMo 4G/5G Dome Combination Antenna Range

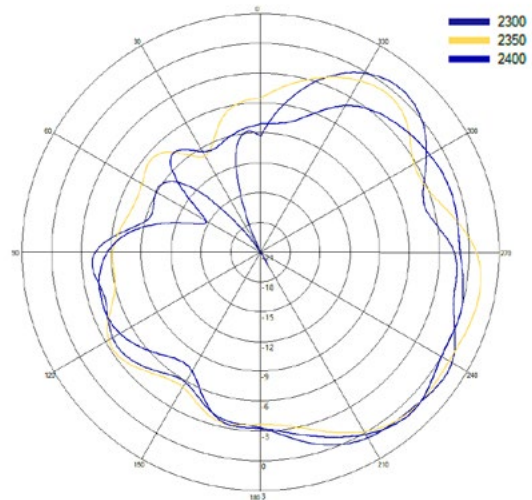
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell G

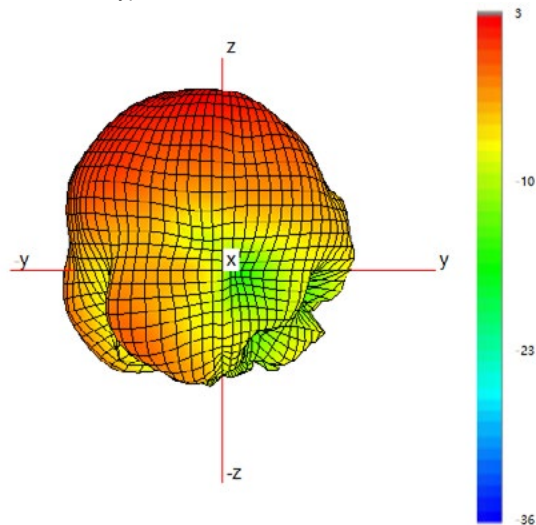
Typical 3D Pattern- Cell G - 2350 MHz



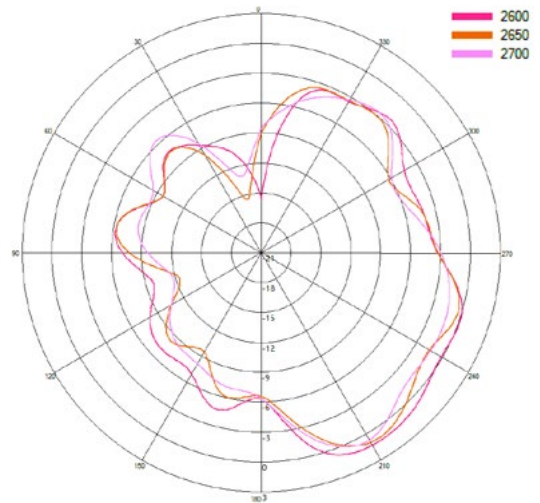
Typical H Plane- Cell G - Patterns- 2300-2400 MHz



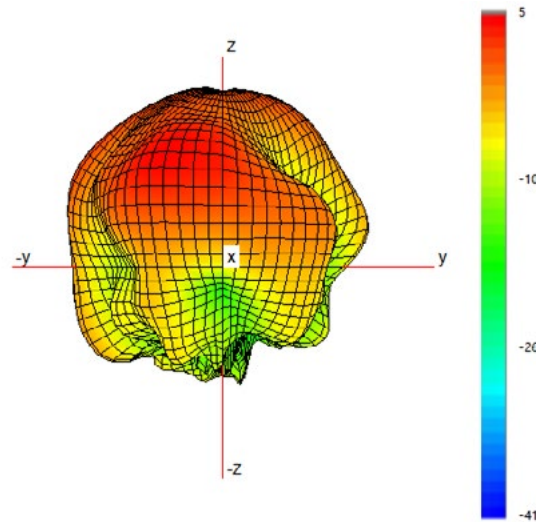
Typical 3D Pattern- Cell G - 2650 MHz



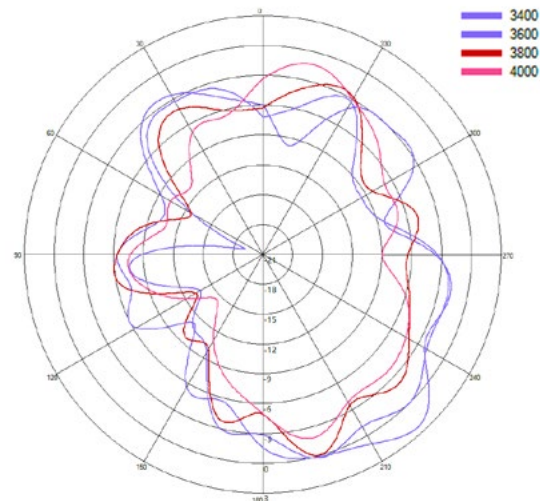
Typical H Plane- Cell G - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell G - 3600 MHz



Typical H Plane- Cell G - Patterns- 3400-4000 MHz

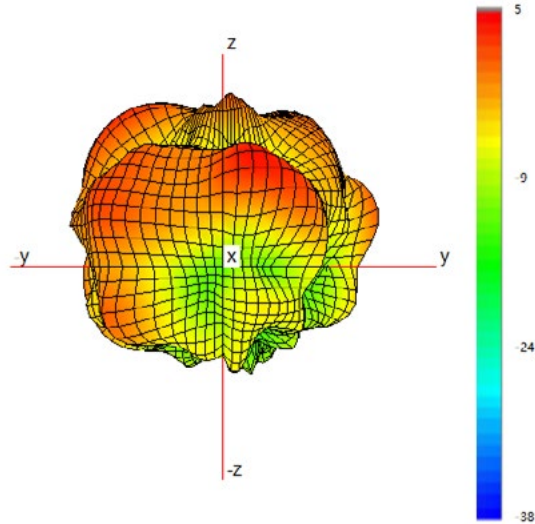


8x8 MiMo 4G/5G Dome Combination Antenna Range

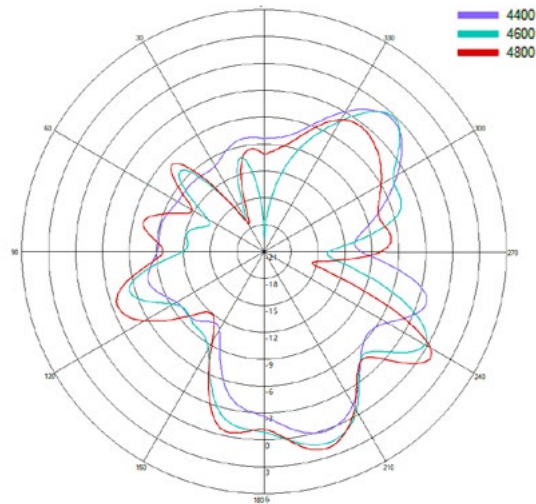
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell G

Typical 3D Pattern- Cell G - 4700 MHz



Typical H Plane- Cell G - Patterns- 4400-4800 MHz

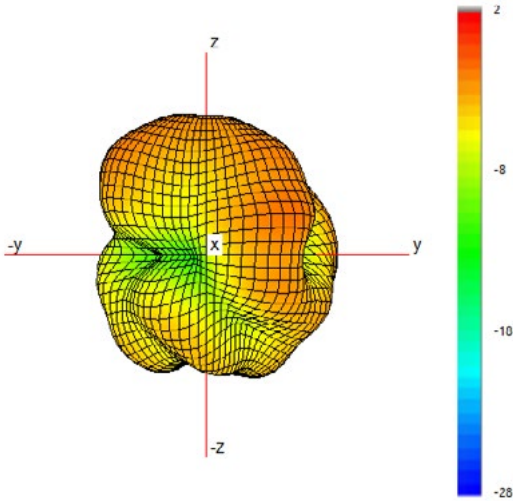


8x8 MiMo 4G/5G Dome Combination Antenna Range

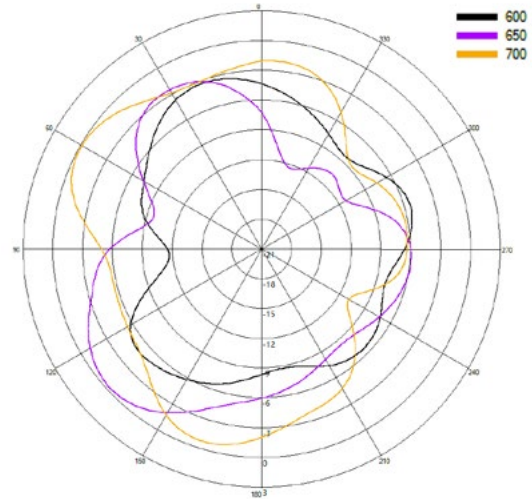
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell H

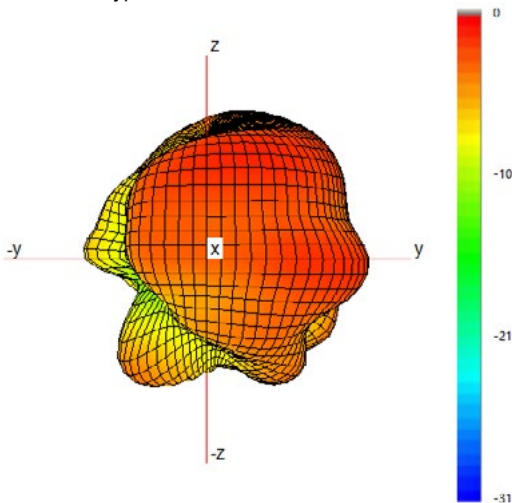
Typical 3D Pattern- Cell H - 650 MHz



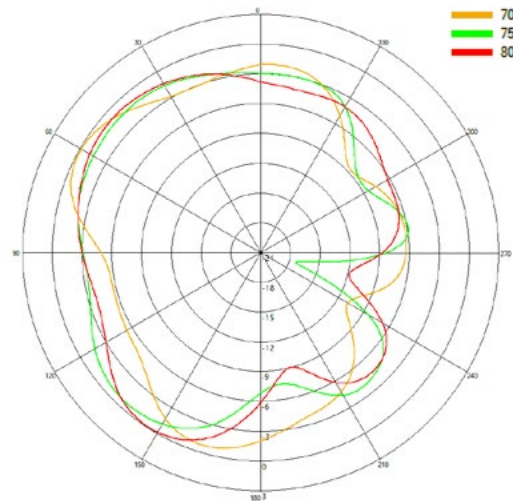
Typical H Plane- Cell H - Patterns- 600-700MHz



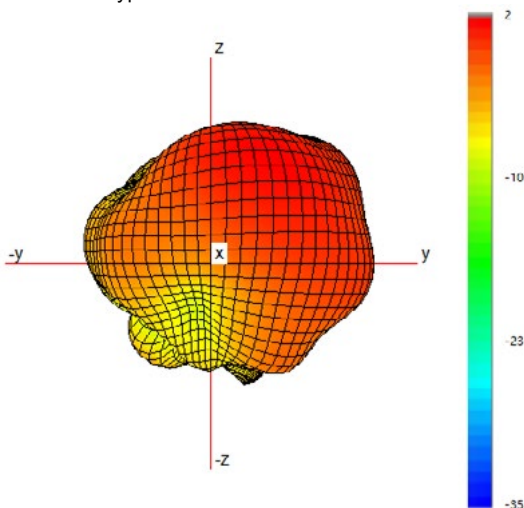
Typical 3D Pattern- Cell H - 750 MHz



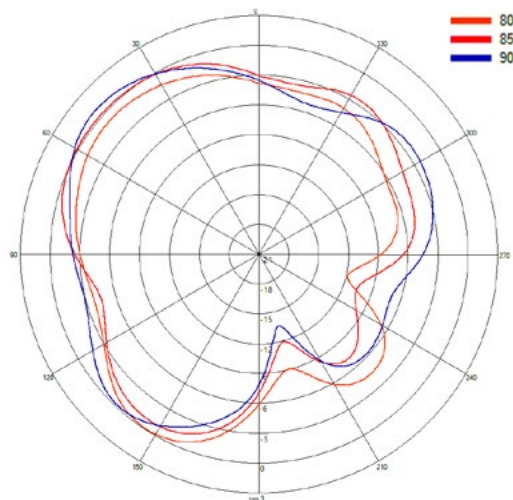
Typical H Plane- Cell H - Patterns- 700-800MHz



Typical 3D Pattern- Cell H - 850 MHz



Typical H Plane- Cell H- Patterns- 800-900MHz

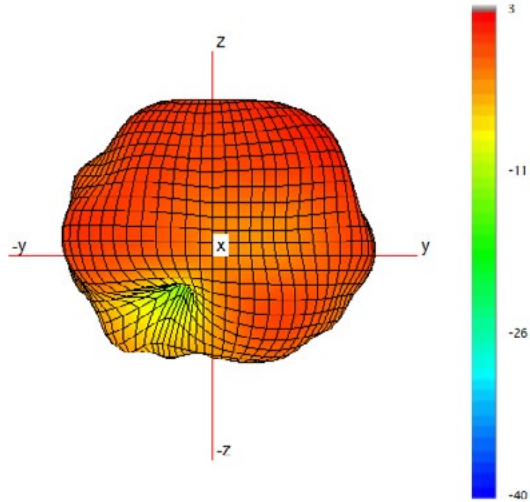


8x8 MiMo 4G/5G Dome Combination Antenna Range

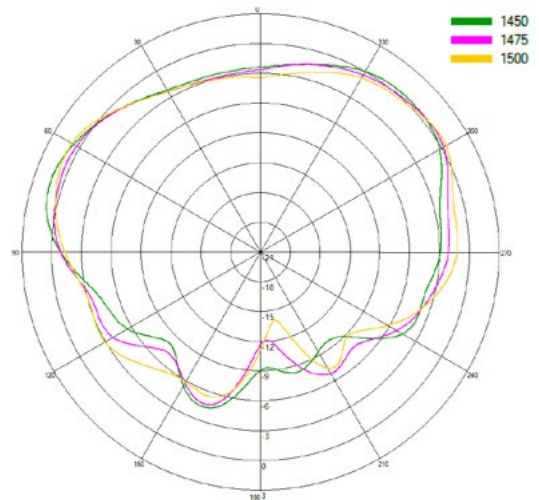
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell H

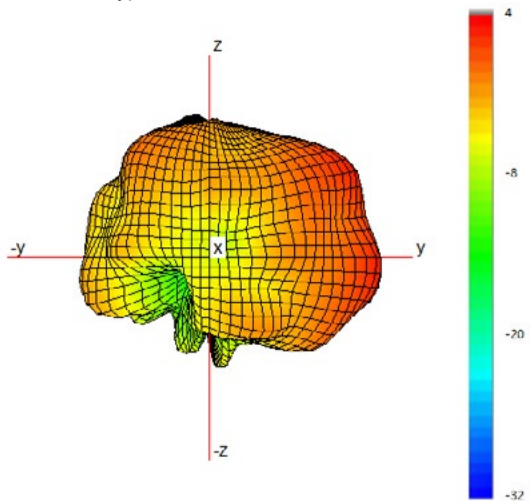
Typical 3D Pattern- Cell H - 1475 MHz



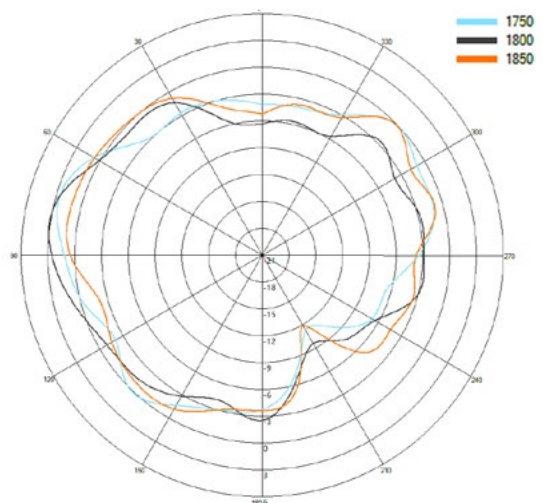
Typical H Plane- Cell H - Patterns- 1450-1500 MHz



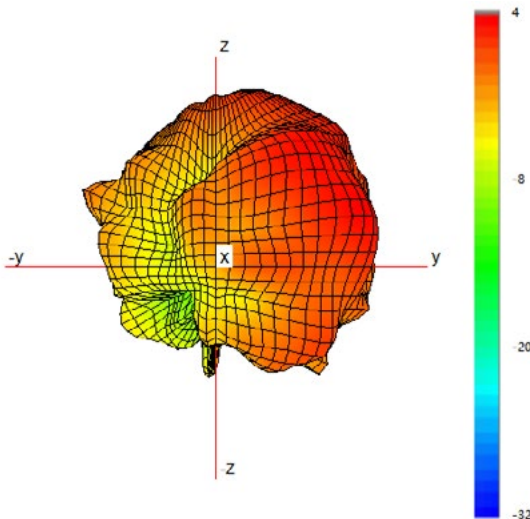
Typical 3D Pattern- Cell H- 1800 MHz



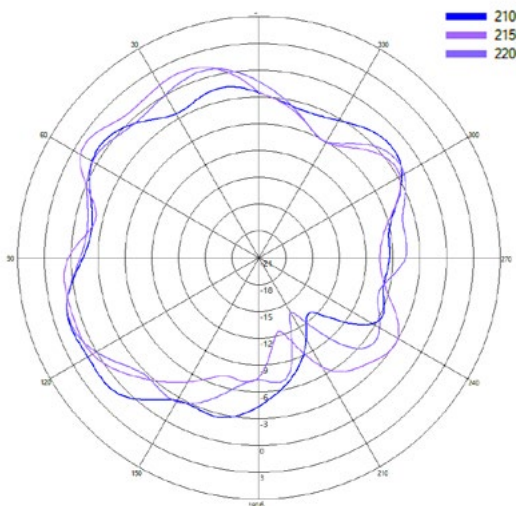
Typical H Plane- Cell H- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell H - 2150 MHz



Typical H Plane- Cell H- Patterns- 2100-2200 MHz

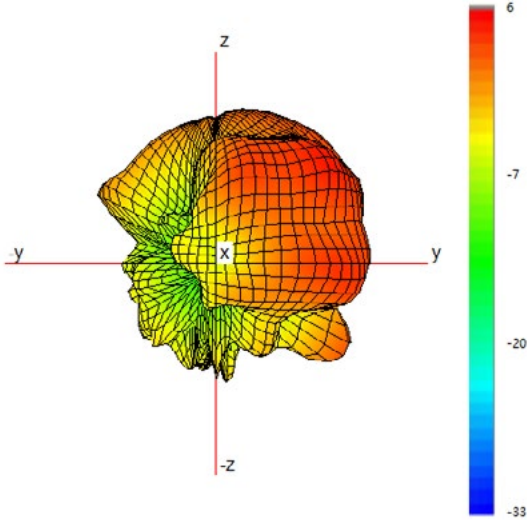


8x8 MiMo 4G/5G Dome Combination Antenna Range

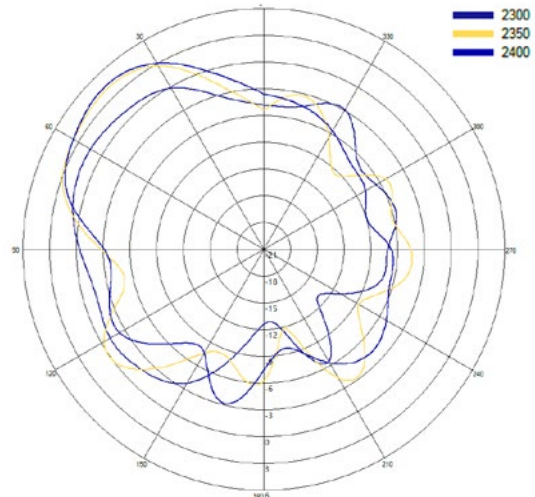
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell H

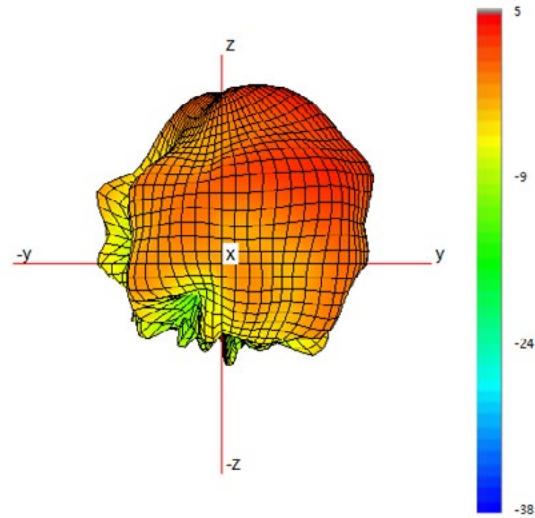
Typical 3D Pattern- Cell H - 2350 MHz



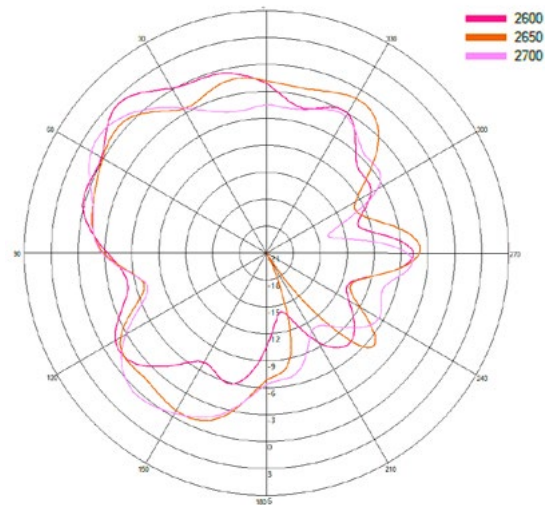
Typical H Plane- Cell H - Patterns- 2300-2400 MHz



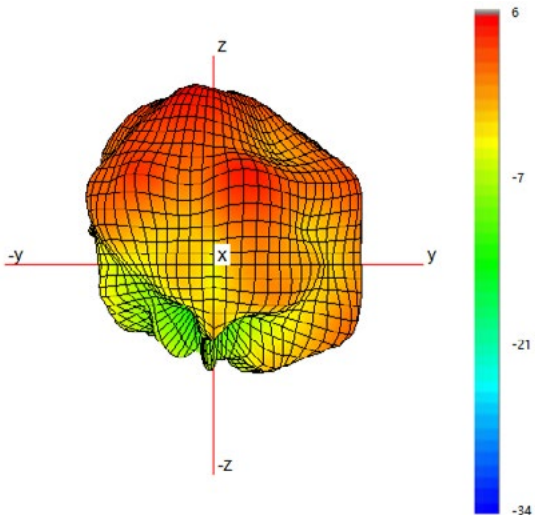
Typical 3D Pattern- Cell H - 2650 MHz



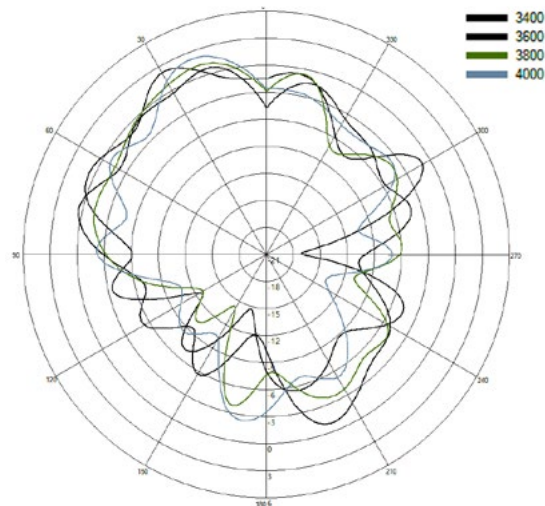
Typical H Plane- Cell H - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell H - 3600 MHz



Typical H Plane- Cell H - Patterns- 3400-4000 MHz

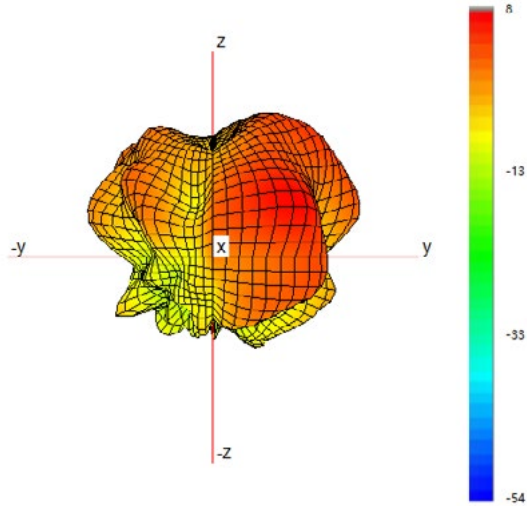


8x8 MiMo 4G/5G Dome Combination Antenna Range

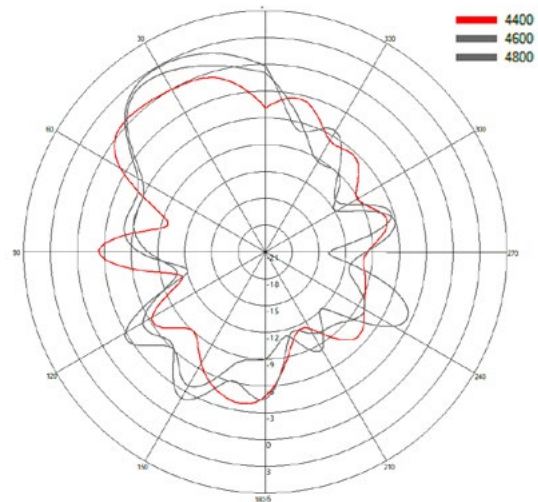
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space Cell H

Typical 3D Pattern- Cell H - 4700 MHz



Typical H Plane- Cell H - Patterns- 4400-4800 MHz

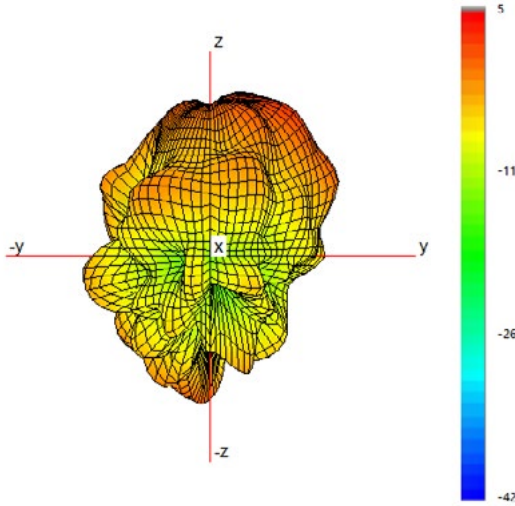


8x8 MiMo 4G/5G Dome Combination Antenna Range

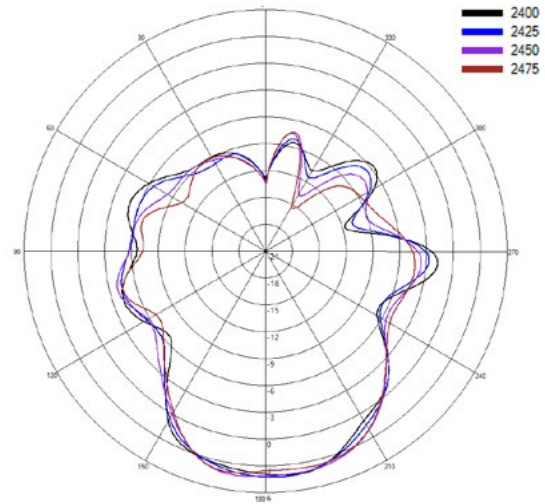
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space WiFi - 1

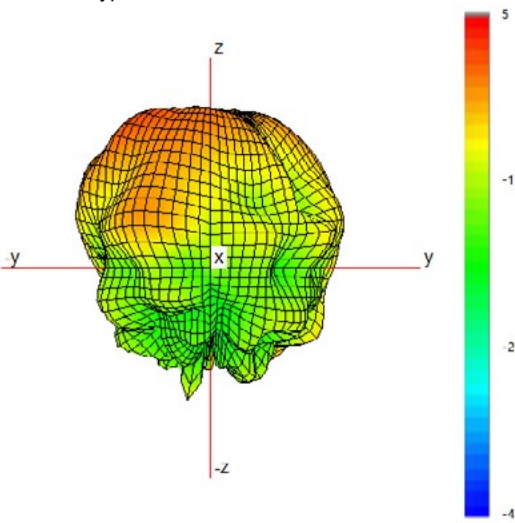
Typical 3D Pattern- WiFi - 1 - 2450 MHz



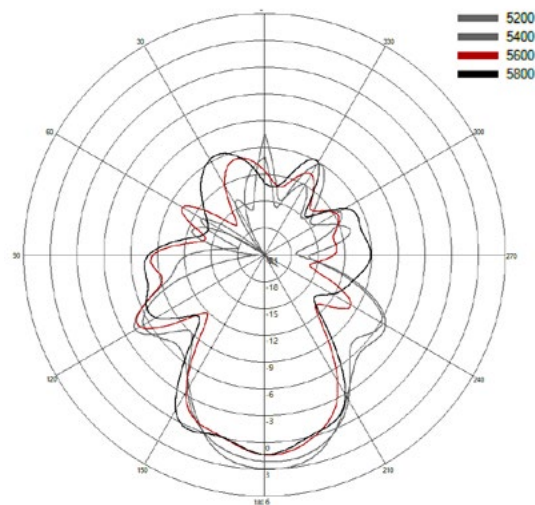
Typical H Plane- WiFi - 1 - Patterns- 2400-2475MHz



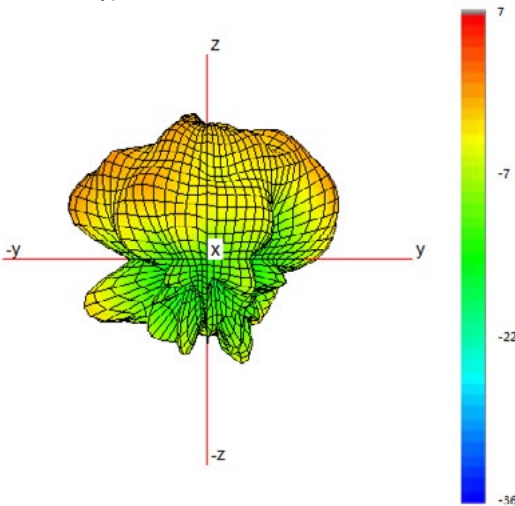
Typical 3D Pattern- WiFi - 1 - 5500 MHz



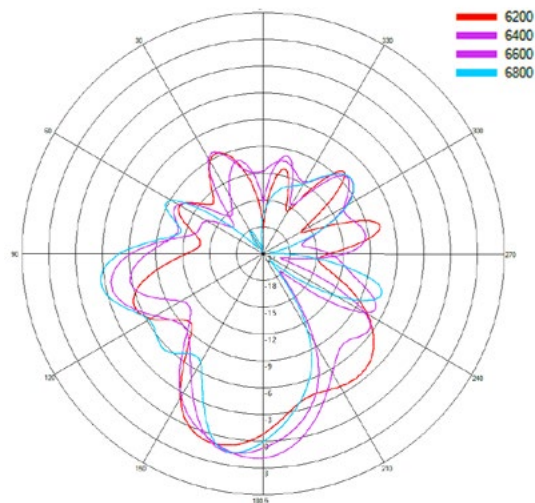
Typical H Plane- WiFi - 1 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 1 - 6500 MHz



Typical H Plane- WiFi - 1 - Patterns- 6200-6800MHz

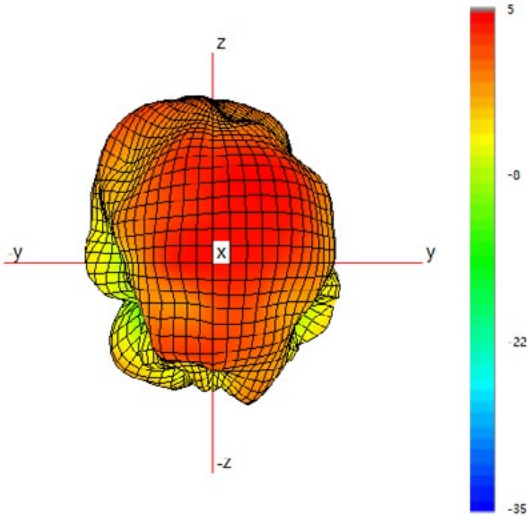


8x8 MiMo 4G/5G Dome Combination Antenna Range

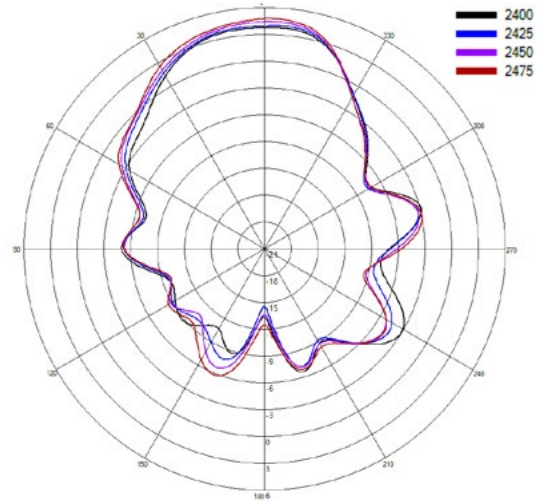
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space WiFi - 2

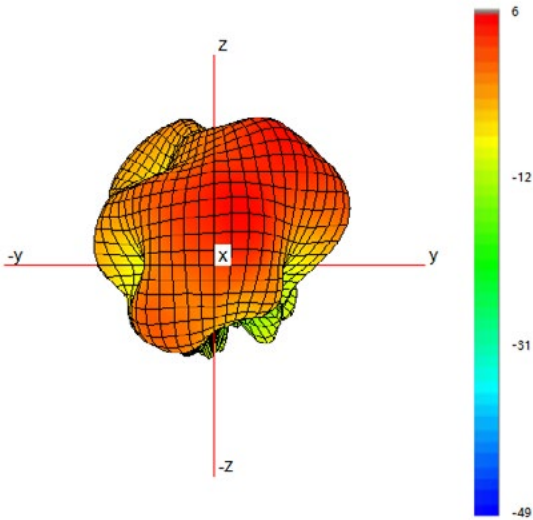
Typical 3D Pattern- WiFi - 2 - 2450 MHz



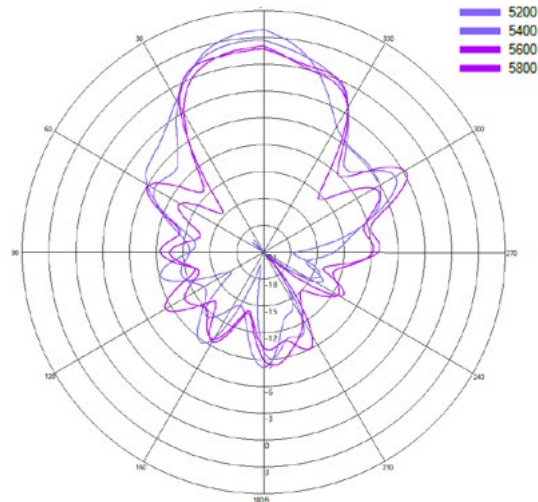
Typical H Plane- WiFi - 2 - Patterns- 2400-2475MHz



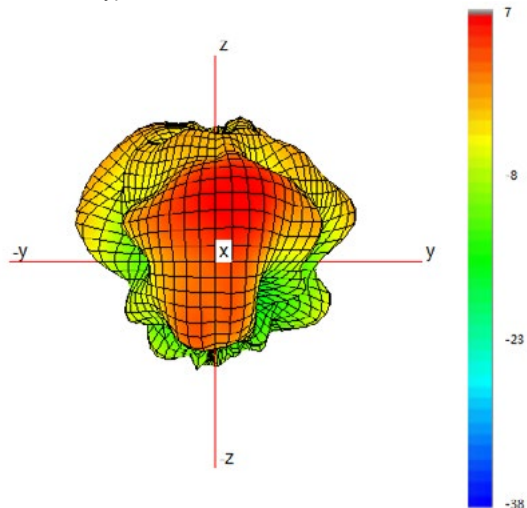
Typical 3D Pattern- WiFi - 2 - 5500 MHz



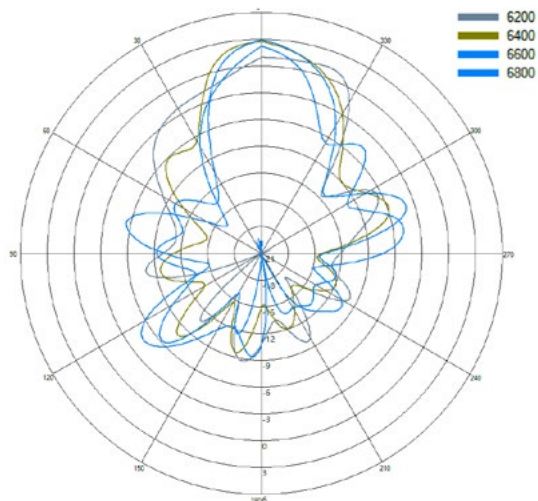
Typical H Plane- WiFi - 2 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 2 - 6500 MHz



Typical H Plane- WiFi - 2 - Patterns- 6200-6800MHz

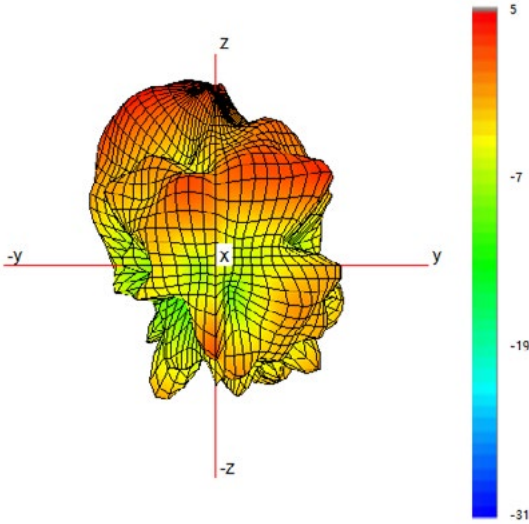


8x8 MiMo 4G/5G Dome Combination Antenna Range

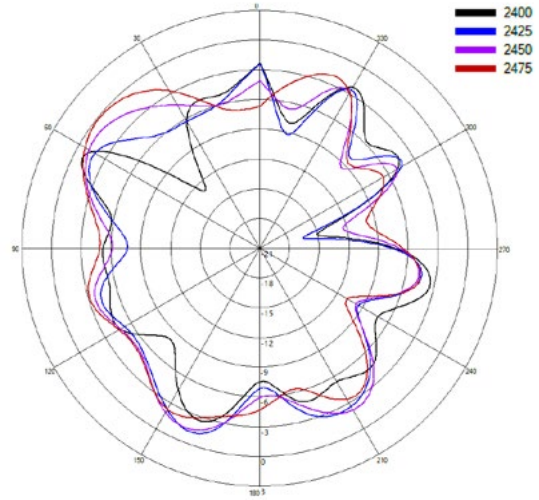
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space WIFI - 3

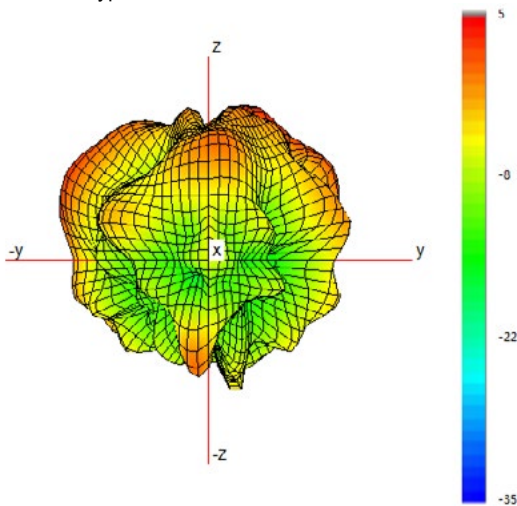
Typical 3D Pattern- WiFi - 3 - 2450 MHz



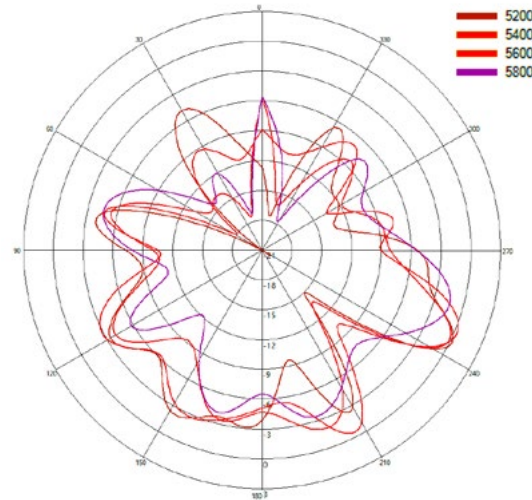
Typical H Plane- WiFi - 3 - Patterns- 2400-2475MHz



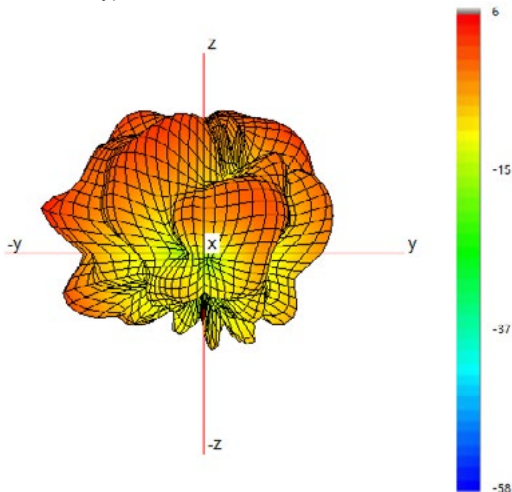
Typical 3D Pattern- WiFi - 3 - 5500 MHz



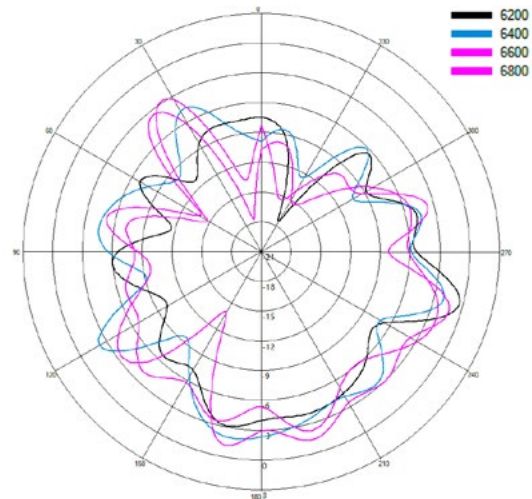
Typical H Plane- WiFi - 3 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 3 - 6500 MHz



Typical H Plane- WiFi - 3 - Patterns- 6200-6800MHz

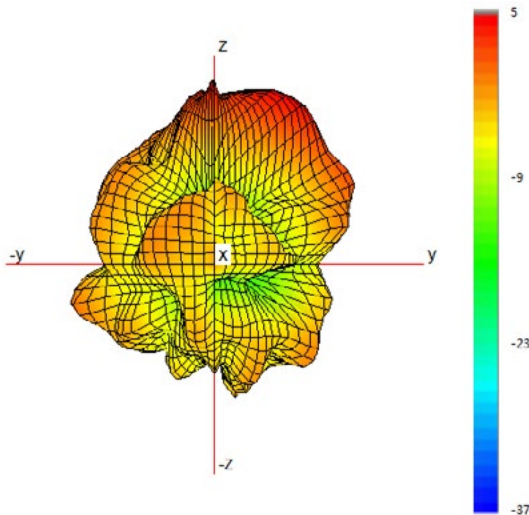


8x8 MiMo 4G/5G Dome Combination Antenna Range

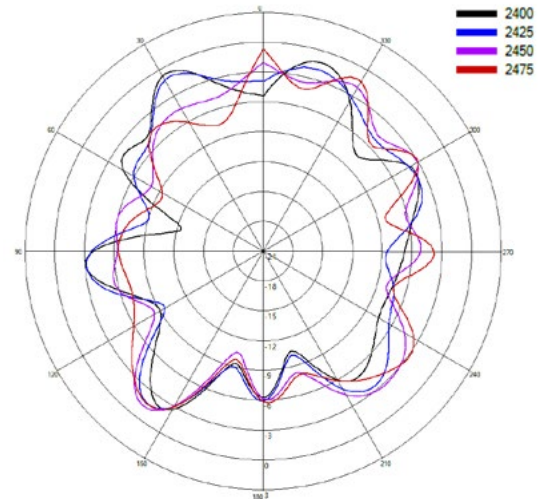
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space WIFI - 4

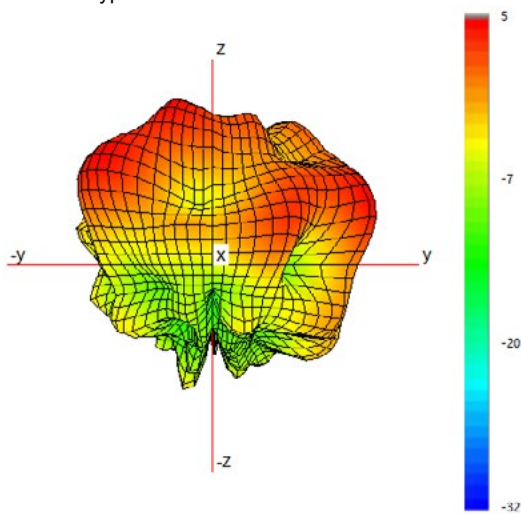
Typical 3D Pattern- WiFi - 4 - 2450 MHz



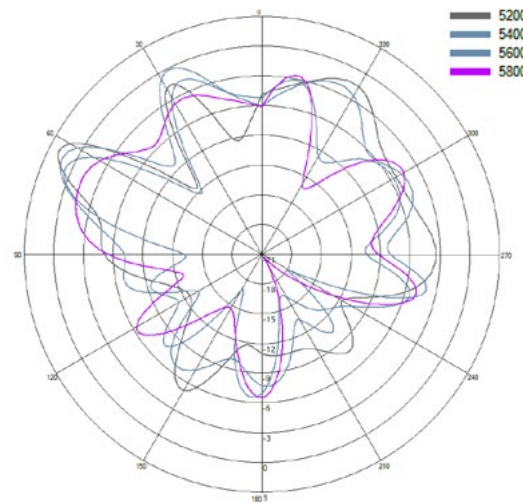
Typical H Plane- WiFi - 4 - Patterns- 2400-2475MHz



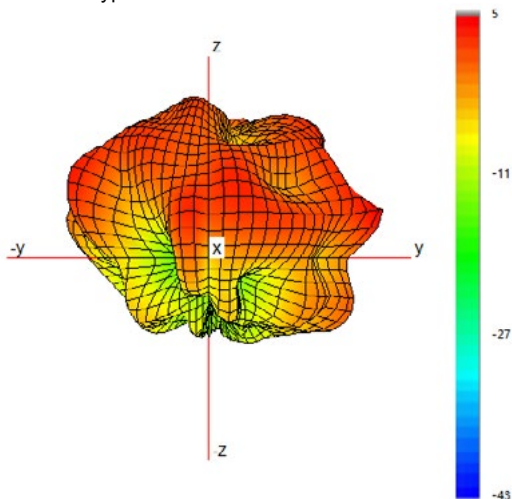
Typical 3D Pattern- WiFi - 4 - 5500 MHz



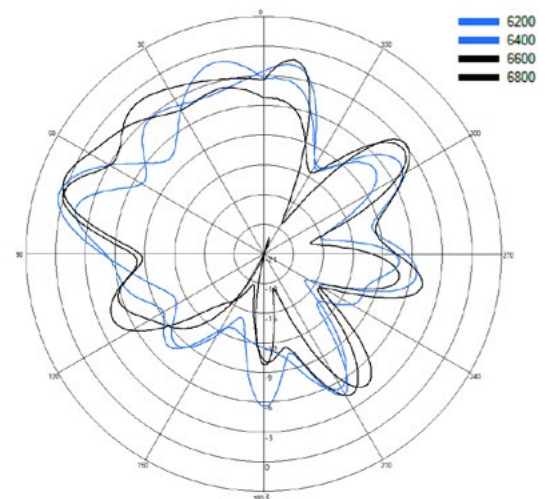
Typical H Plane- WiFi - 4 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 4 - 6500 MHz



Typical H Plane- WiFi - 4 - Patterns- 6200-6800MHz

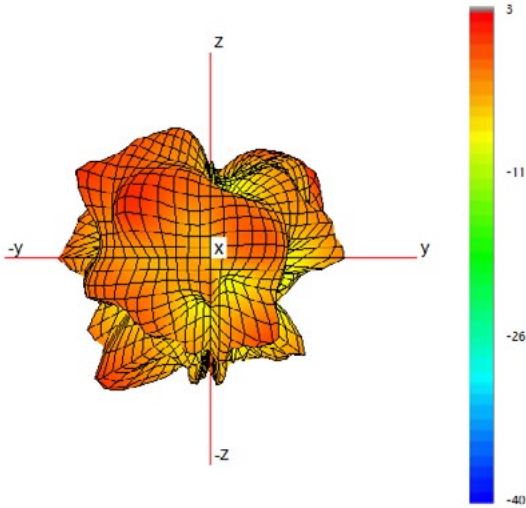


8x8 MiMo 4G/5G Dome Combination Antenna Range

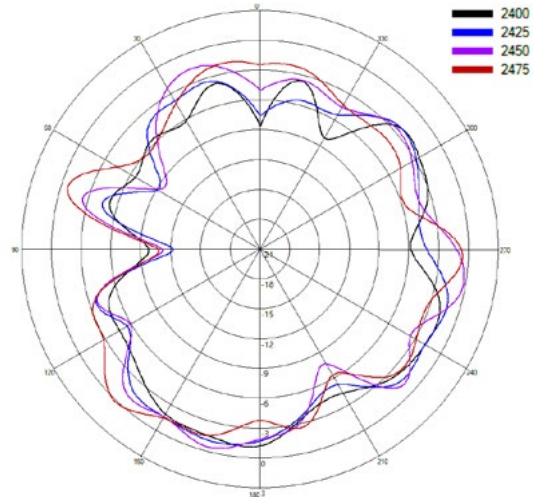
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space WIFI - 5

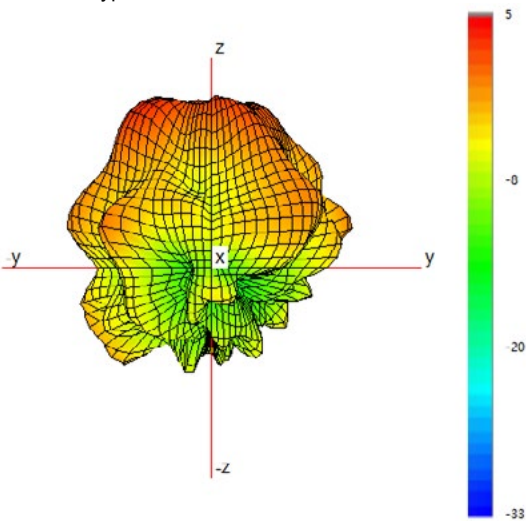
Typical 3D Pattern- WiFi - 5 - 2450 MHz



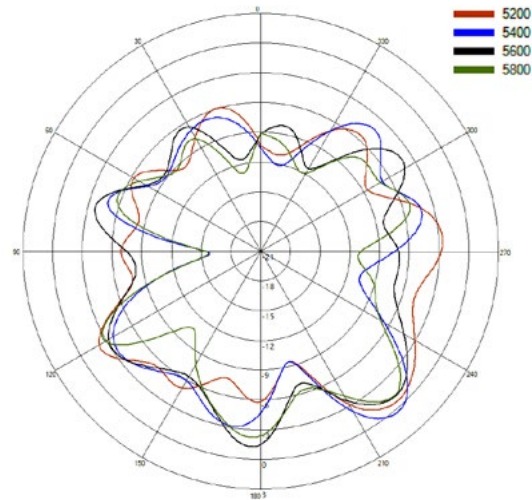
Typical H Plane- WiFi - 5 - Patterns- 2400-2475MHz



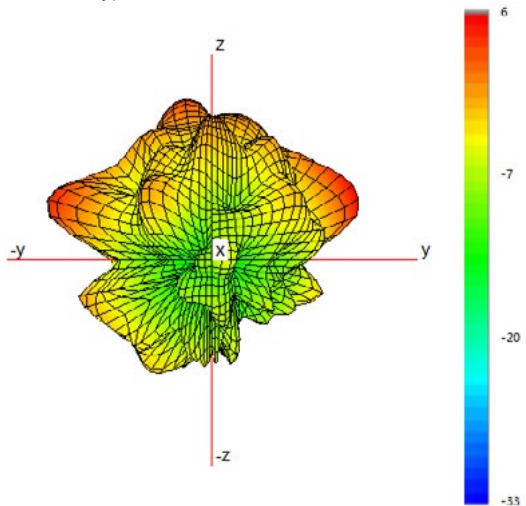
Typical 3D Pattern- WiFi - 5 - 5500 MHz



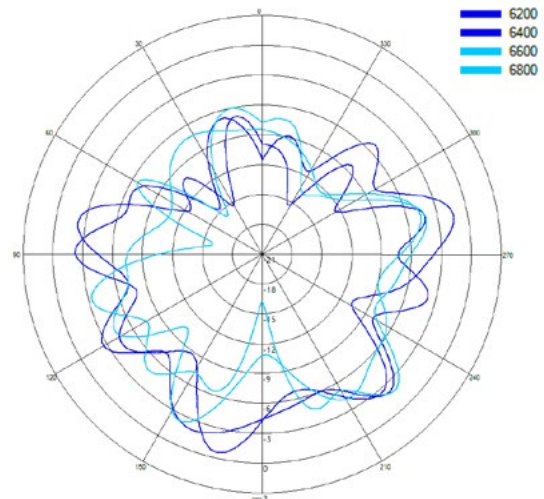
Typical H Plane- WiFi - 5 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 5 - 6500 MHz



Typical H Plane- WiFi - 5 - Patterns- 6200-6800MHz

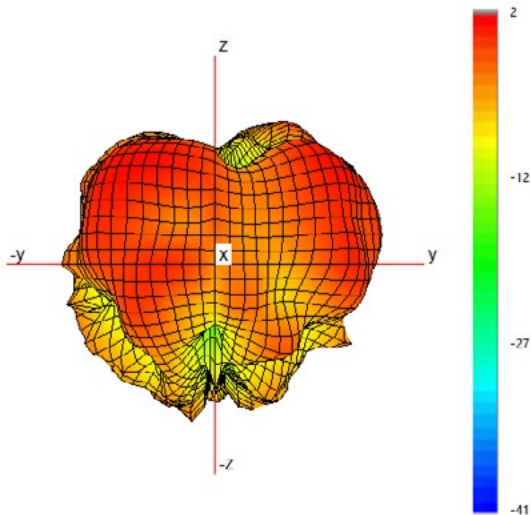


8x8 MiMo 4G/5G Dome Combination Antenna Range

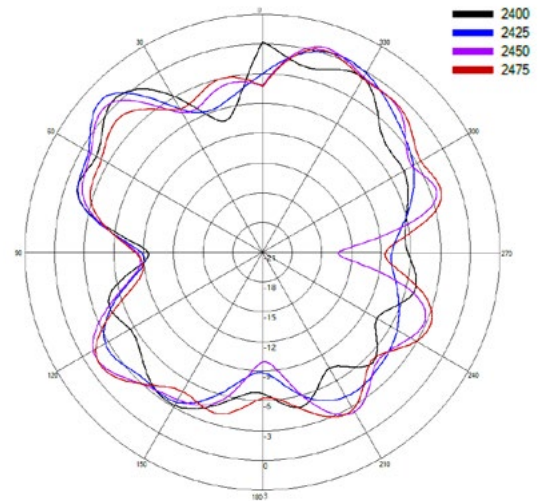
Megalodon 4G/5G Antenna

3D Pattern Data in
Free Space WiFi - 6

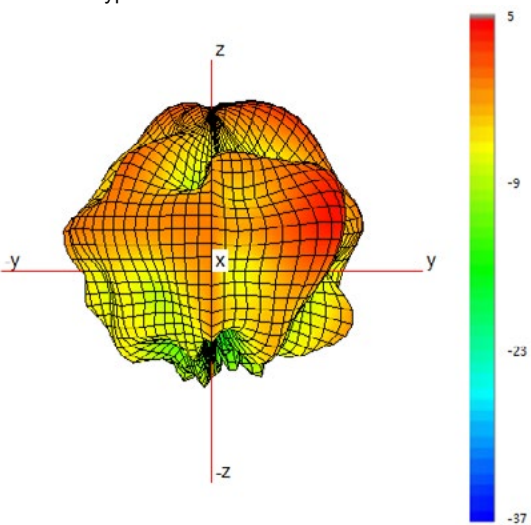
Typical 3D Pattern- WiFi - 6 - 2450 MHz



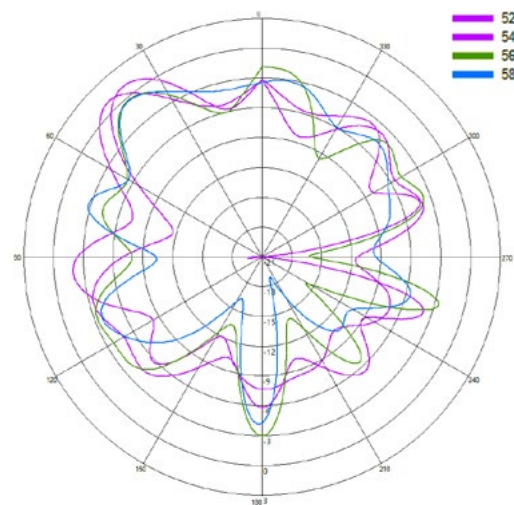
Typical H Plane- WiFi - 6 - Patterns- 2400-2475MHz



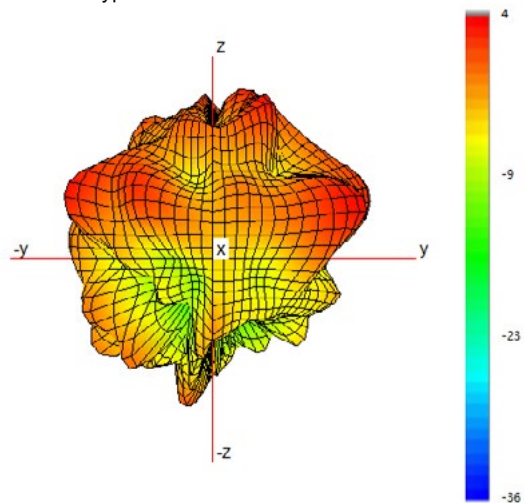
Typical 3D Pattern- WiFi - 6 - 5500 MHz



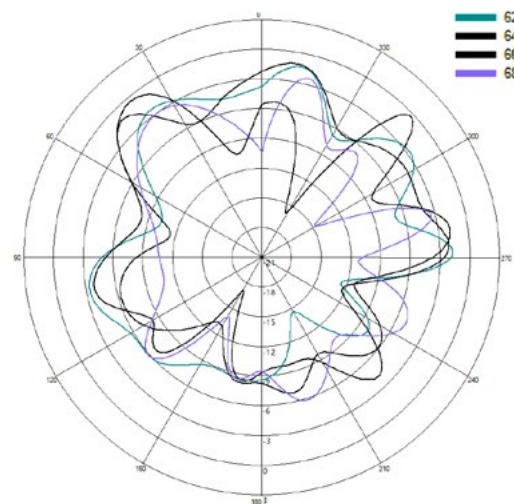
Typical H Plane- WiFi - 6 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 6 - 6500 MHz



Typical H Plane- WiFi - 6 - Patterns- 6200-6800MHz

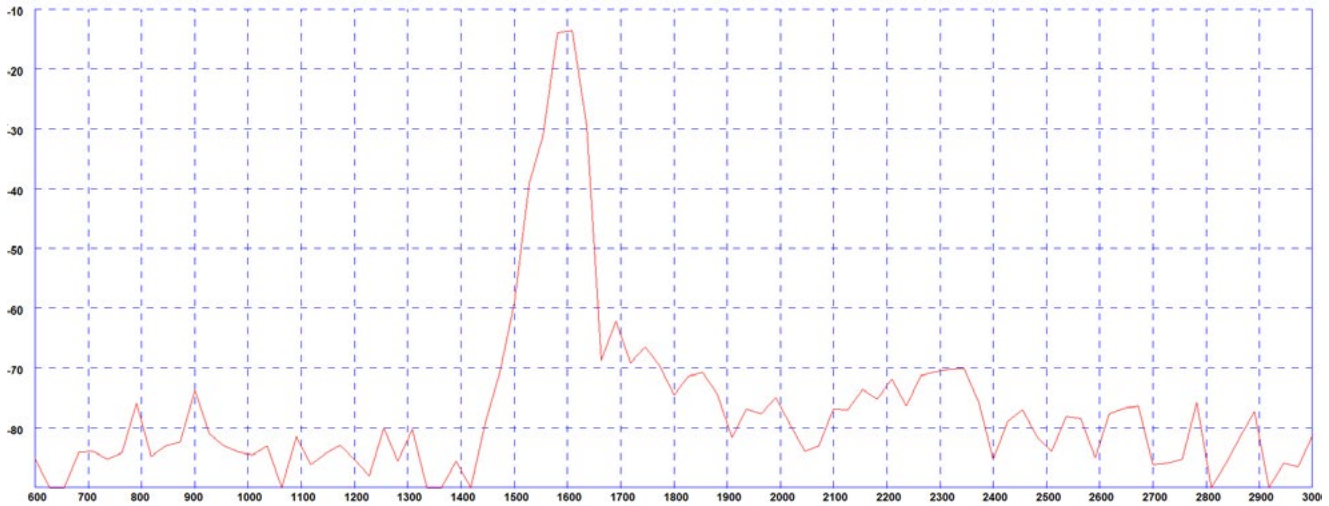


8x8 MiMo 4G/5G Dome Combination Antenna Range

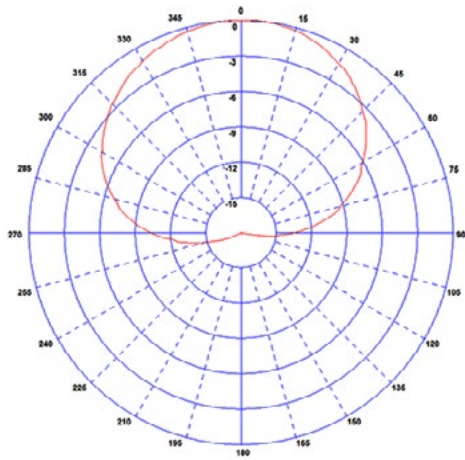
Megalodon 4G/5G Antenna

Electrical Data- L1
GPS/GNSS

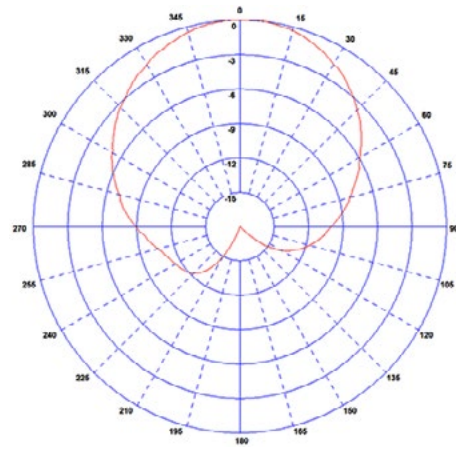
Swept Peak Gain GPS/GNSS



Typical E Plane Pattern - GPS/GNSS 1575 MHz



Typical E Plane Pattern - GPS/GNSS 1602 MHz



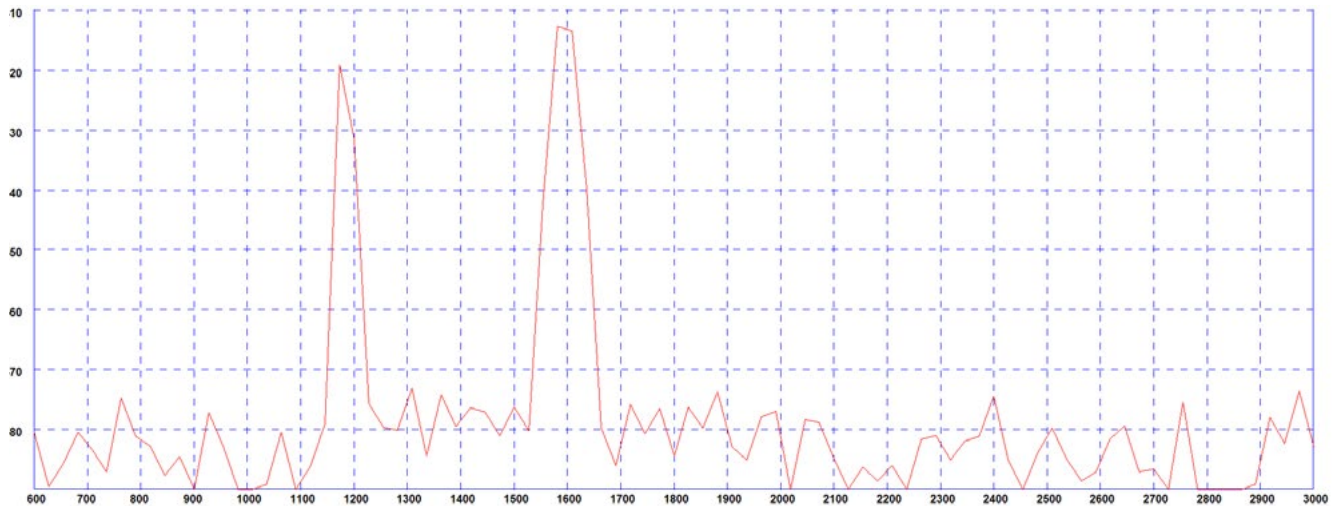
GPS/GNSS Measurements taken on 190x190mm (7.4" x 7.4") ground plane excluding cable loss

8x8 MiMo 4G/5G Dome Combination Antenna Range

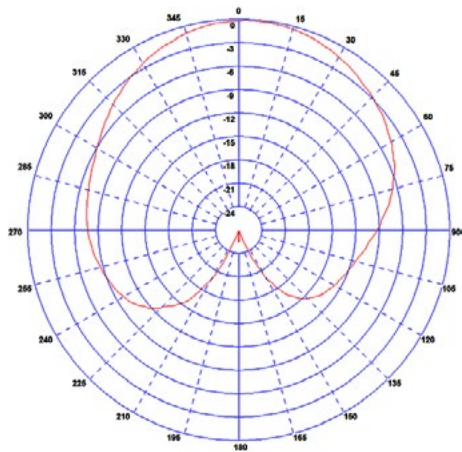
Megalodon 4G/5G Antenna

Electrical Data- L1/
L5 GPS/GNSS

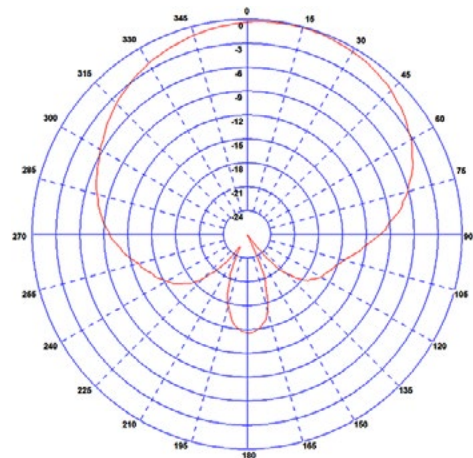
Swept Peak Gain GPS/GNSS



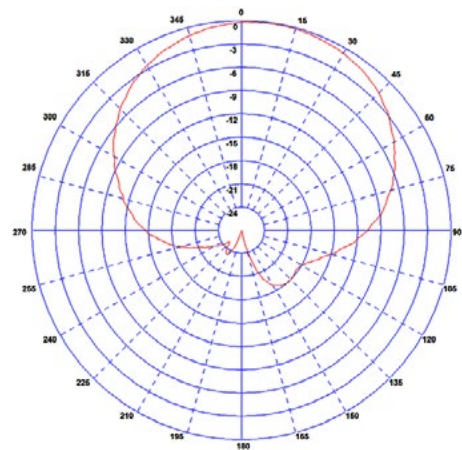
Typical E Plane Pattern - GPS/GNSS 1575 MHz



Typical E Plane Pattern - GPS/GNSS 1602 MHz



Typical E Plane Pattern - GPS/GNSS 1176 MHz



GPS/GNSS Measurements taken on 190x190mm (7.4" x 7.4") ground plane excluding cable loss