

4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

MAKO® 5G DOME

- Low Profile 4x4 4G/5G MiMo
- Up to 6x6 MiMo Dual Band WiFi
- Optional GPS/GNSS Active Antenna 26dB LNA



The L[X]M[X]M4[X]-6-60[-24-58] range has been designed to provide 4x4 4G/5G MiMo performance from 617-960/1710-6000MHz in a robust low profile package. The flexible platform allows the main elements to be combined with a number of other functions including GPS/GNSS and up to 6x6 MiMo WiFi 2.4/5.0GHz or 4x4 WiFi 6E 2.4/5.15-7.2GHz.

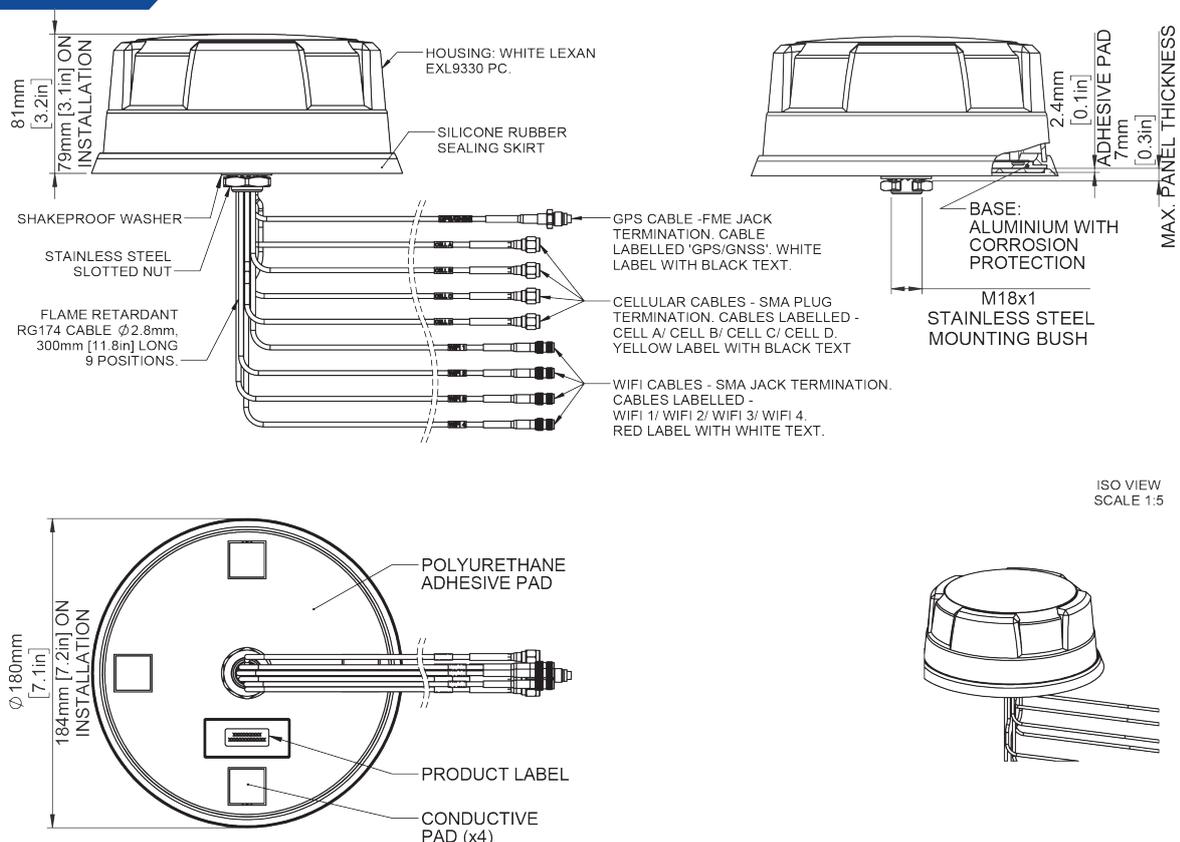
The antenna is designed to be panel mounted and can be fitted on a conductive or non- conductive panel. Supplied with integrated flame retardant RG174 cables (Compliant to UN ECE R118 and EN45545-2) and a halogen free flame retardant radome the antenna is suitable for many environments and applications.

The LGM variants have an integrated GPS/GNSS module supporting GPS, Glonass, Galileo, QZSS and Compass with 26dB LNA gain. 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

LGMQM4-6-60-24-58 Shown



4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

PANORAMA ANTENNAS

Product Data

Part No.

LGMHM4-6-60-24-58 LGMHM4B-6-60-24-58 LGMQM4-6-60-24-58 LGMQM4B-6-60-24-58

Electrical Data

Frequency Range (MHz)	4G/5G Elements	4x 617-960 / 1710-6000		
	WiFi Elements	6x 2.4/5.15-6GHz		4x 2.4/5.15-7.2GHz
Peak Gain: Isotropic : (dBi)	4G/5G Elements	617-960MHz	5.8	
		1710-5000MHz	7.5	
	WiFi Elements	5000-6000MHz	6.7	
		2.4 GHz	7.7	
Typical Efficiency **	4G/5G Elements	5.15-6 (/ 7.2)GHz	8.7	
		617-960MHz	>54%	
	WiFi Elements	1710-5000MHz	>65%	
		5000-6000MHz	>56%	
Isolation ***	4G/5G Elements	66%(2400-2485MHz) > 57%(5150-5925MHz)	>66% (2400-2485MHz) >52%(5150-7125MHz)	
	WiFi Elements	>10dB		
Correlation Co-efficient	4G/5G Elements	>12dB		
	WiFi Elements	< 0.2		
Nominal Impedance	4G/5G Elements	<0.1		
	WiFi Elements	50Ω		

GPS/GNSS Data

Frequency Range (MHz)	1562-1612
VSWR	<2.0:1 ± 4MHz
Gain: LNA	26dB
Out of band rejection	>40dB (@ > +/- 100MHz f)
Typical Noise Figure	-2.7dB
Notch Filter rejection @787MHz	23dBm
Operating Voltage	3 - 5V DC
Typical Current (mA)	15

Mechanical Data

Dimensions (mm)	Height	80 (3.1")			
	Diameter	180 (7.1")			
Operating Temp (°C)	-40° / +80°C (-40° / +176°F)				
Colour	White	Black	White	Black	
Ingress Vandal Protection	IP69K / IK10				

Mounting Data

Mounting type	Panel mount
Max panel thickness (mm)	7 (0.27")
Mounting hole (mm)	19 (3/4")

Cable Data

All Cables	Type	RG174 -FR (UN ECE R118 Compliant)
	Diameter (mm)	2.8 (0.1")
	Length (m)	0.3 (1')

Terminations

4G/5G	SMA (m)
WiFi	SMA (f)
GPS/GNSS	FME (f)

**Typical efficiency shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

*** Isolation shown is worst case across all element pairings across >95% of stated bands when measured on 600x600mm (23.6"x23.6") ground plane with 0.5m (1'5") of cable.

† Typical peak gain shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

PANORAMA ANTENNAS

Product Data

Part No.

LGMTM4-6-60-24-58 LGMTM4B-6-60-24-58 LGMDM4-6-60-24-58 LGMDM4B-6-60-24-58

Electrical Data

Frequency Range (MHz)	4G/5G Elements	4x 617-960 / 1710-6000
	WiFi Elements	3x 2.4/5.15-7.2GHz 2x 2.4/5.15-7.2GHz
Peak Gain: Isotropic : (dBi)†	617-960MHz	5.8
	4G/5G Elements	1710-5000MHz 7.5
	5000-6000MHz	6.7
Typical Efficiency **	WiFi Elements	2.4 GHz 7.7
	5.15-7.2GHz	8.7
	4G/5G Elements	617-960MHz >54%
Isolation ***	1710-5000MHz	>65%
	5000-6000MHz	>56%
	WiFi Elements	66%(2400-2485MHz) > 52%(5150-5925MHz)
Correlation Co-efficient	4G/5G Elements	< 0.2
	WiFi Elements	<0.1
Nominal Impedance		50Ω

GPS/GNSS Data

Frequency Range (MHz)	1562-1612
VSWR	<2.0:1 ± 4MHz
Gain: LNA	26dB
Out of band rejection	>40dB (@ > +/- 100MHz f)
Typical Noise Figure	-2.7dB
Notch Filter rejection @787MHz	23dBm
Operating Voltage	3 - 5V DC
Typical Current (mA)	15

Mechanical Data

Dimensions (mm)	Height	80 (3.1")
	Diameter	180 (7.1")
Operating Temp (°C)		-40° / +80°C (-40° / +176°F)
Colour	White	Black
Ingress / Vandal Protection		IP69K / IK10

Mounting Data

Mounting type	Panel mount
Max panel thickness (mm)	7 (0.27")
Mounting hole (mm)	19 (3/4")

Cable Data

All Cables	Type	RG174 -FR (UN ECE R118 Compliant)
	Diameter (mm)	2.8 (0.1")
	Length (m)	0.3 (1')

Terminations

4G/5G	SMA (m)
WiFi	SMA (f)
GPS/GNSS	FME (f)

**Typical efficiency shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

*** Isolation shown is worst case across all element pairings across >95% of stated bands when measured on 600x600mm (23.6"x23.6") ground plane with 0.5m (1'5") of cable.

† Typical peak gain shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom
T: +44 (0)20 8877 4444 | F: +44 (0)20 8877 4477
E: sales@panorama-antennas.com
W: www.panorama-antennas.com

L[X]M[X]M4[X]-6-60[-24-58] 28/04/2025 V9

Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

PANORAMA ANTENNAS

Product Data

Part No.		LGMM4-6-60	LGMM4B-6-60	LPMM4-6-60	LPMM4B-6-60
Electrical Data					
Frequency Range (MHz)	4G/5G Elements	4x 617-960 / 1710-6000			
Peak Gain: Isotropic : (dBi)†		617-960MHz	5.8		
	4G/5G Elements	1710-5000MHz	7.5		
		5000-6000MHz	6.7		
Typical Efficiency **		617-960MHz	>54%		
	4G/5G Elements	1710-5000MHz	>65%		
		5000-6000MHz	>56%		
Isolation ***	4G/5G Elements	>10dB			
Correlation Co-efficient	4G/5G Elements	< 0.2			
Nominal Impedance		50Ω			
GPS/GNSS Data					
Frequency Range (MHz)		1562-1612	-		
VSWR		<2.0:1 ± 4MHz	-		
Gain: LNA		26dB	-		
Out of band rejection		>40dB (@ > +/- 100MHz f)	-		
Typical Noise Figure		-2.7dB	-		
Notch Filter rejection @787MHz		23dBm	-		
Operating Voltage		3 - 5V DC	-		
Typical Current (mA)		15	-		
Mechanical Data					
Dimensions (mm)	Height	80 (3.1")			
	Diameter	180 (7.1")			
Operating Temp		-40° / +80°C (-40° / +176°F)			
Colour		White	Black	White	Black
Ingress / Vandal Protection		IP69K / IK10			
Mounting Data					
Mounting type		Panel mount			
Max panel thickness (mm)		7 (0.27")			
Mounting hole (mm)		19 (3/4")			
Cable Data					
	Type	RG174 -FR (UN ECE R118 Compliant)			
All Cables	Diameter (mm)	2.8 (0.1")			
	Length (m)	0.3 (1')			
Terminations					
4G/5G		SMA (m)			
GPS/GNSS		FME (f)	-		

**Typical efficiency shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

***Isolation shown is worst case across all element pairings across >95% of stated bands when measured on 600x600mm (23.6"x23.6") ground plane with 0.5m (1'5") of cable.

† Typical peak gain shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

PANORAMA ANTENNAS

Product Data

Part No.

LPMQM4-6-60-24-58 LPMQM4B-6-60-24-58 LPMDM4-6-60-24-58 LPMDM4B-6-60-24-58

Electrical Data

Frequency Range (MHz)	4G/5G Elements	4x 617-960 / 1710-6000		
	WiFi Elements	4x 2.4/5.15-7.2GHz		2x 2.4/5.15-7.2GHz
Peak Gain: Isotropic : (dBi)†	4G/5G Elements	617-960MHz	5.8	
		1710-5000MHz	7.5	
		5000-6000MHz	6.7	
	WiFi Elements	2.4 GHz	7.7	
		5.15-7.2GHz	8.7	
Typical Efficiency **	4G/5G Elements	617-960MHz	>54%	
		1710-5000MHz	>65%	
		5000-6000MHz	>56%	
	WiFi Elements	66%(2400-2485MHz) > 52%(5150-5925MHz)		
	4G/5G Elements	>10dB		
Isolation ***	Wifi Elements	>12dB		
	4G/5G Elements	< 0.2		
Correlation Co-efficient	WiFi Elements	<0.1		
	Nominal Impedance	50Ω		

Mechanical Data

Dimensions (mm)	Height	80 (3.1")		
	Diameter	180 (7.1")		
Operating Temp (°C)	-40° / +80°C (-40° / +176°F)			
Colour	White	Black	White	Black
Ingress Vandal Protection	IP69K / IK10			

Mounting Data

Mounting type	Panel mount
Max panel thickness (mm)	7 (0.27")
Mounting hole (mm)	19 (3/4")

Cable Data

All Cables	Type	RG174 -FR (UN ECE R118 Compliant)
	Diameter (mm)	2.8 (0.1")
	Length (m)	0.3 (1')

Terminations

4G/5G	SMA (m)
WiFi	SMA (f)

**Typical efficiency shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

***Isolation shown is worst case across all element pairings across >95% of stated bands when measured on 600x600mm (23.6"x23.6") ground plane with 0.5m (1'5") of cable.

† Typical peak gain shown for single element of relevant type simulated in CST Microwave Studio on 600x600mm (23.6"x23.6") ground plane excluding cable loss.

Panorama Antennas Ltd
Frogmore, London, SW18 1HF, United Kingdom
T: +44 (0)20 8877 4444 | F: +44 (0)20 8877 4477
E: sales@panorama-antennas.com
W: www.panorama-antennas.com

L[X]M[X]M4[X]-6-60[-24-58] 28/04/2025 V9

Page 5

Waiver: The data given above is indicative of the performance of the product/s under particular conditions and does not imply a guarantee of performance. These specifications are subject to change without notice. Copyright © Panorama Antennas Ltd. All rights reserved.

4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

Measurement Conditions	4G/5G Antennas				
LGMQM4-6-60-24-58 measured on 600x600mm (2'x2') ground plane.	Frequency Range (MHz)	LTE / NR Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	617-698	71, 105	Cell A	3.7	49
			Cell B	4.0	49
			Cell C	3.7	49
			Cell D	3.8	49
	699-798	12,13, 14 17,28	Cell A	4.4	52
			Cell B	4.7	54
			Cell C	4.5	53
			Cell D	4.9	53
	807- 862	5,19,20,26,27	Cell A	5.4	57
			Cell B	5.6	56
			Cell C	5.2	56
			Cell D	5.7	56
	880-960	8	Cell A	5.4	59
			Cell B	5.8	59
			Cell C	5.5	59
			Cell D	5.7	58
	1427-1518	11, 21, 74,75,76	Cell A	3.9	48
			Cell B	4.3	50
			Cell C	4.5	51
			Cell D	4.2	50
	1710-1920	2,3,4,9,25,35,39,66	Cell A	6.4	65
			Cell B	6.6	71
			Cell C	6.8	72
			Cell D	6.7	71
	1920-2170	1,23	Cell A	5.6	63
			Cell B	6.3	68
			Cell C	6.2	70
			Cell D	6.4	67
	2300-2400	30,40	Cell A	5.8	66
			Cell B	5.6	71
			Cell C	6.0	73
			Cell D	5.7	71
	2496-2690	7,38,41	Cell A	4.9	63
			Cell B	6.0	66
			Cell C	5.4	69
			Cell D	5.8	68
	3300-4200	22,42,43,48,77,78	Cell A	7.5	51
			Cell B	7.1	59
			Cell C	6.4	64
			Cell D	6.8	60
4400-5000	79	Cell A	5.6	51	
		Cell B	6.3	57	
		Cell C	5.8	62	
		Cell D	6.4	57	
5000-6000	96, 102, 104	Cell A	6.0	53	
		Cell B	6.6	59	
		Cell C	6.7	58	
		Cell D	5.4	55	

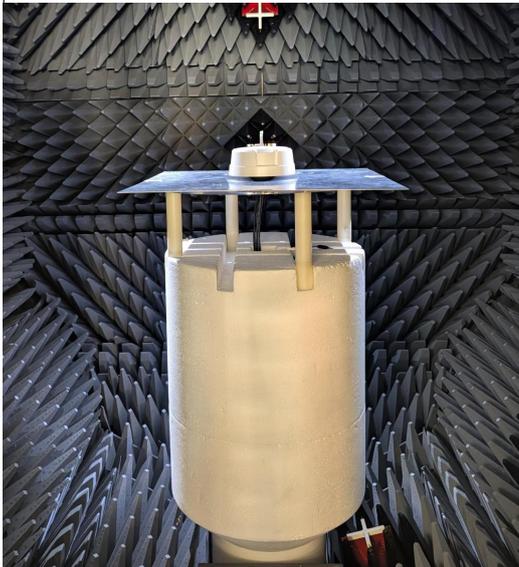
4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data WiFi - Ground Plane

Measurement Conditions

LGMQM4-6-60-24-58 measured on 600x600mm (2'x2') ground plane.



WiFi Antennas

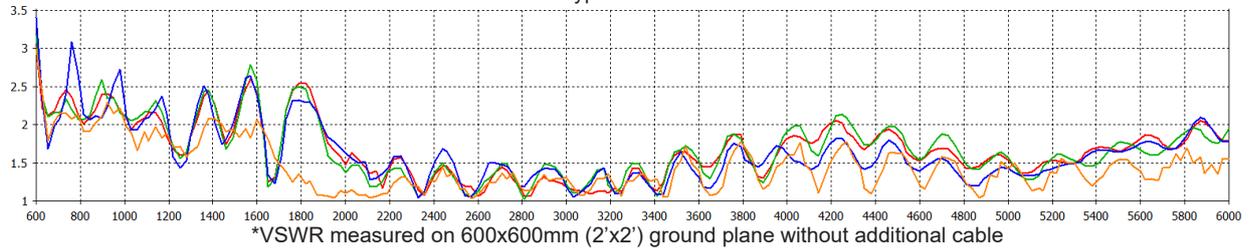
Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
2396-2485	2.4GHz	WiFi 1	6.7	62
		WiFi 2	7.2	62
		WiFi 3	7.7	69
		WiFi 4	7.7	70
5150-5250	UNII-1	WiFi 1	7.5	59
		WiFi 2	6.8	59
		WiFi 3	8.4	62
		WiFi 4	8.7	61
5250-5350	UNII-2A	WiFi 1	7.0	56
		WiFi 2	6.8	56
		WiFi 3	7.4	59
		WiFi 4	7.3	58
5350-5470	UNII-2B	WiFi 1	7.9	59
		WiFi 2	7.0	57
		WiFi 3	7.2	59
		WiFi 4	7.5	59
5470-5725	UNII-2C	WiFi 1	7.9	58
		WiFi 2	6.7	56
		WiFi 3	7.7	59
		WiFi 4	7.9	57
5725-5850	UNII-3	WiFi 1	6.7	54
		WiFi 2	6.2	53
		WiFi 3	7.2	55
		WiFi 4	7.4	53
5850-5925	UNII-4	WiFi 1	5.4	54
		WiFi 2	5.4	51
		WiFi 3	5.9	55
		WiFi 4	6.3	52
5925-6425	UNII-5	WiFi 1	5.6	47
		WiFi 2	5.7	46
		WiFi 3	6.3	47
		WiFi 4	5.8	45
6425-6525	UNII-6	WiFi 1	5.4	43
		WiFi 2	5.3	43
		WiFi 3	6.1	44
		WiFi 4	6.0	46
6525-6875	UNII-7	WiFi 1	6.4	41
		WiFi 2	6.0	43
		WiFi 3	7.3	43
		WiFi 4	6.3	43
6875-7125	UNII-8	WiFi 1	5.8	41
		WiFi 2	6.7	44
		WiFi 3	6.2	43
		WiFi 4	6.1	44

4x4 MiMo 4G/5G Dome Antenna Kit

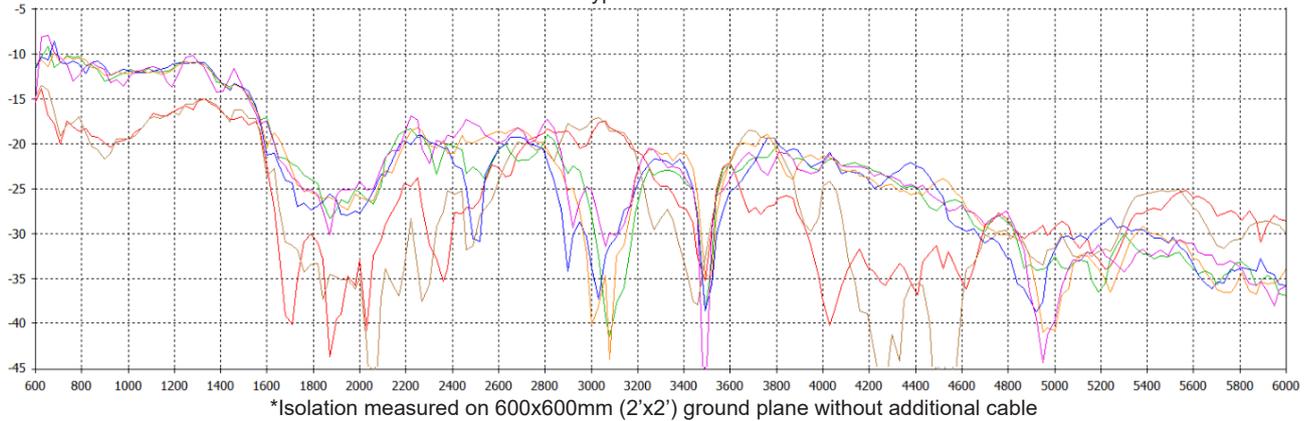
L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data Cell - Ground Plane

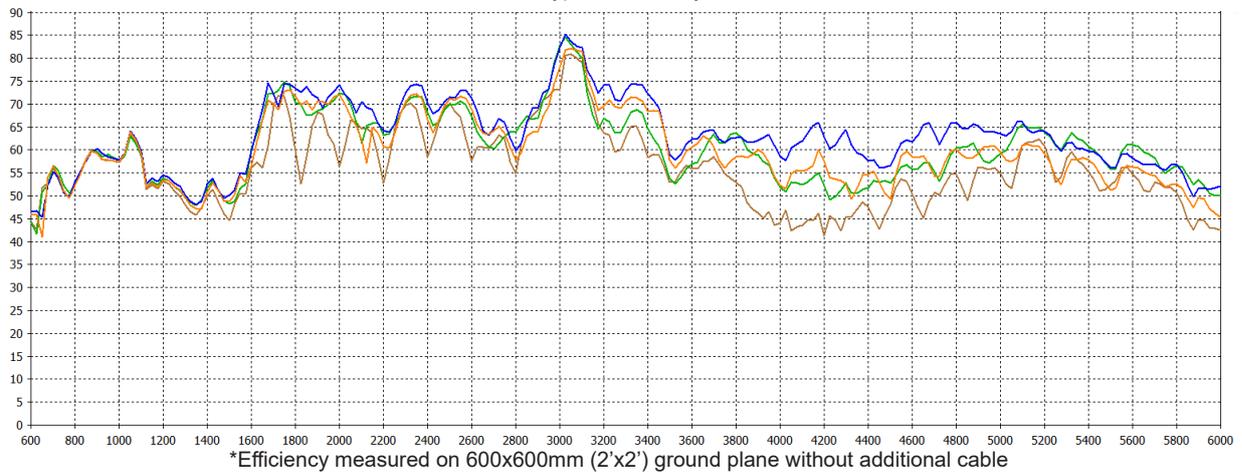
Typical VSWR*



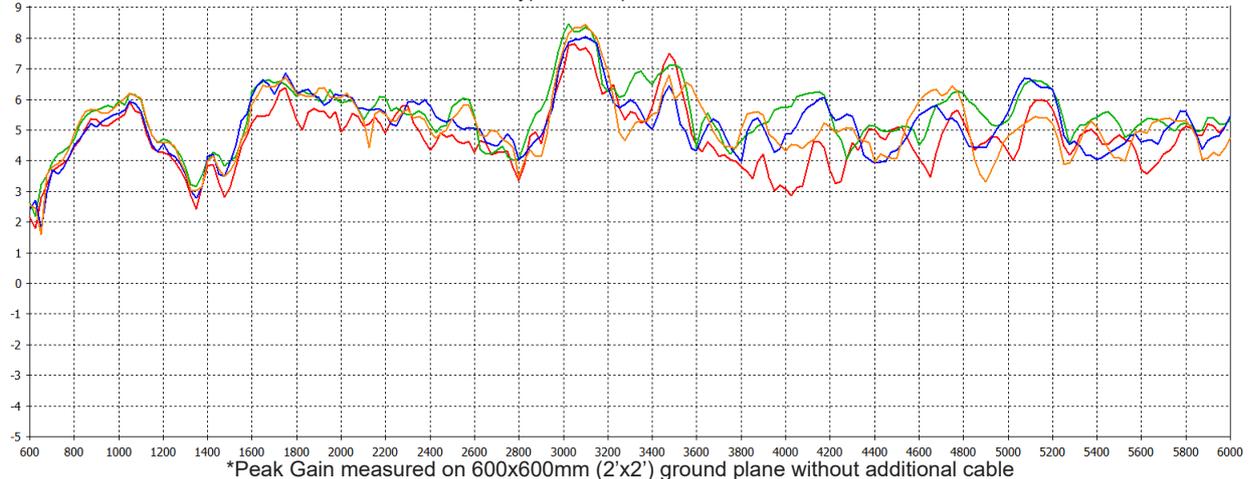
Typical Isolation*



Typical Efficiency*



Typical Swept Peak Gain*

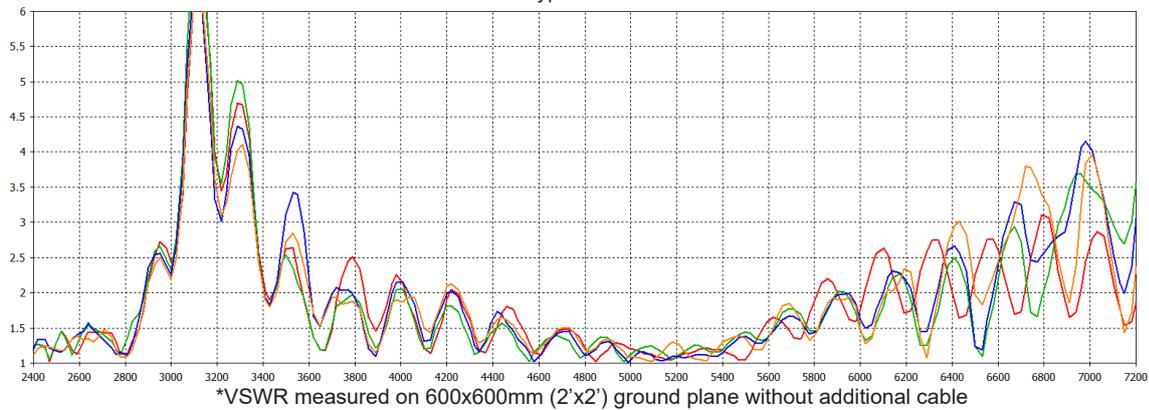


4x4 MiMo 4G/5G Dome Antenna Kit

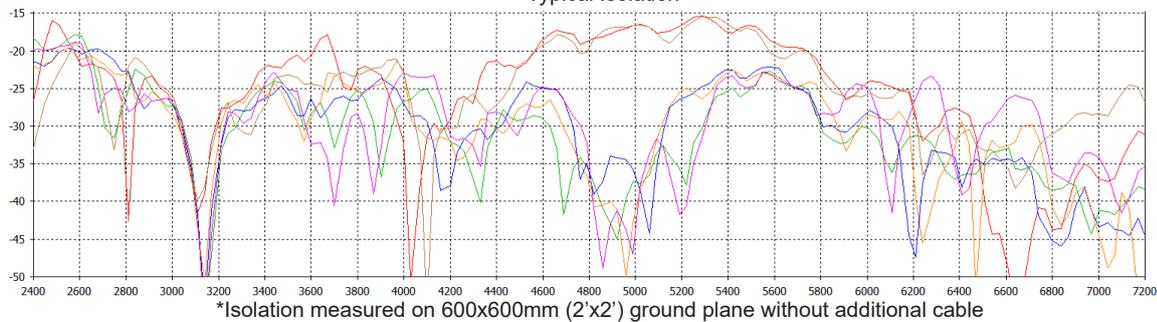
L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data WiFi - Ground Plane

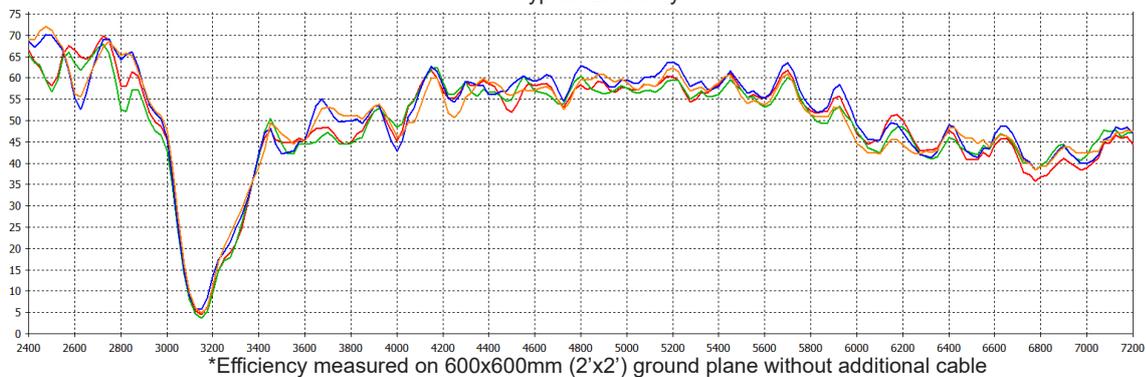
Typical VSWR*



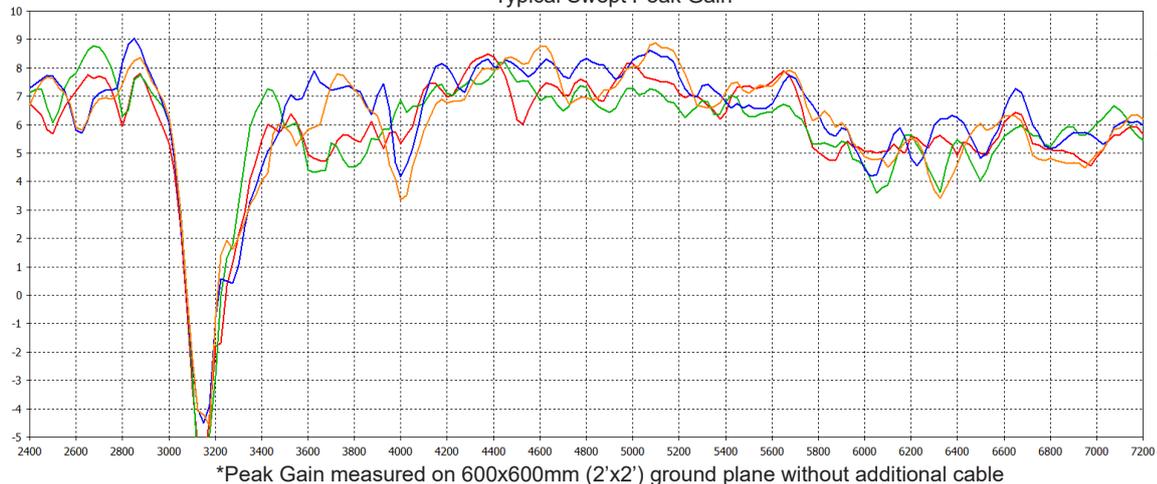
Typical Isolation*



Typical Efficiency*



Typical Swept Peak Gain*

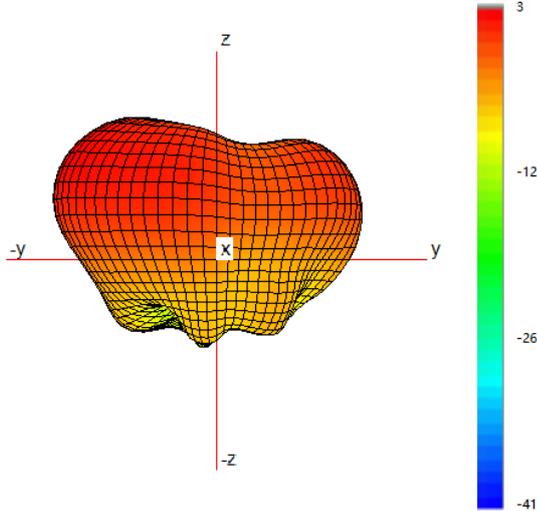


4x4 MiMo 4G/5G Dome Antenna Kit

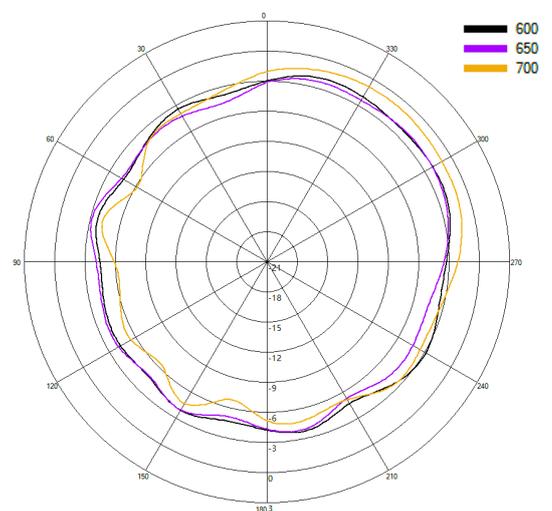
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell A

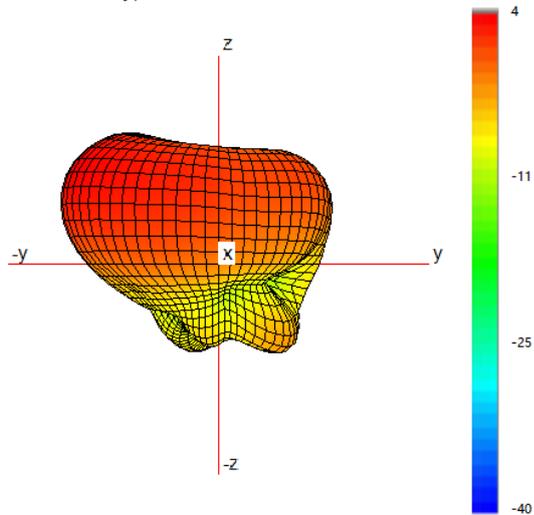
Typical 3D Pattern- Cell A - 650 MHz



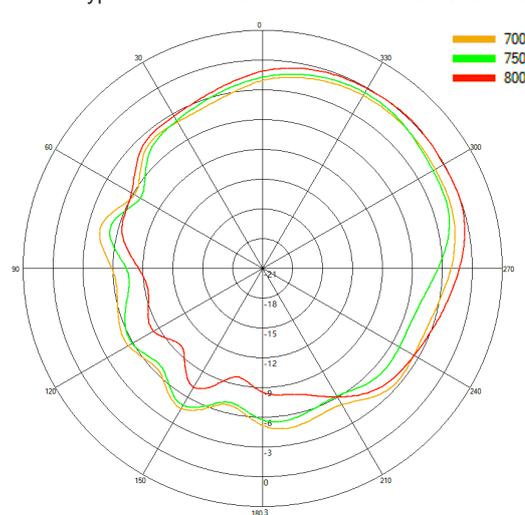
Typical H Plane- Cell A - Patterns- 600-700MHz



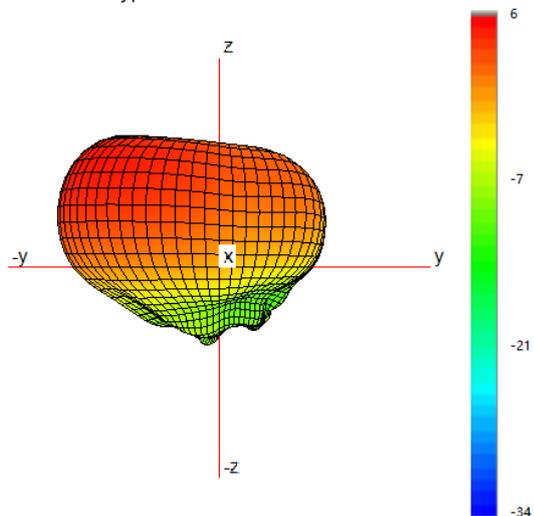
Typical 3D Pattern- Cell A - 750 MHz



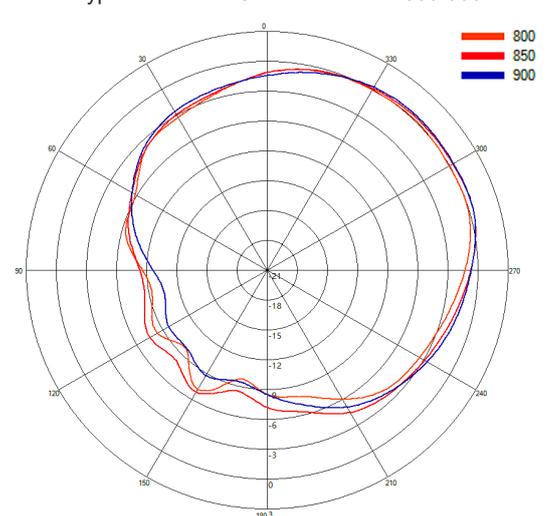
Typical H Plane- Cell A - Patterns- 700-800MHz



Typical 3D Pattern- Cell A - 850 MHz



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

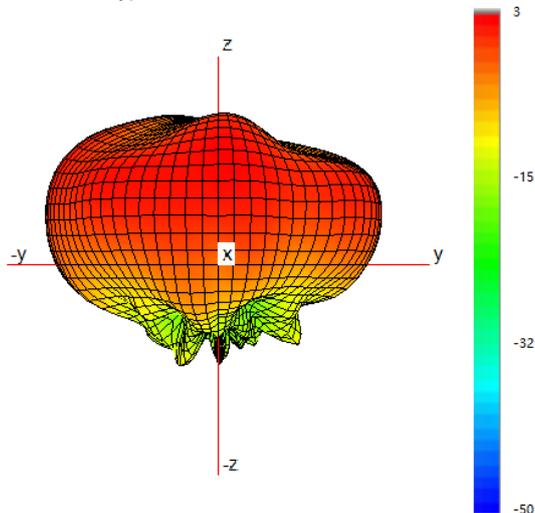


4x4 MiMo 4G/5G Dome Antenna Kit

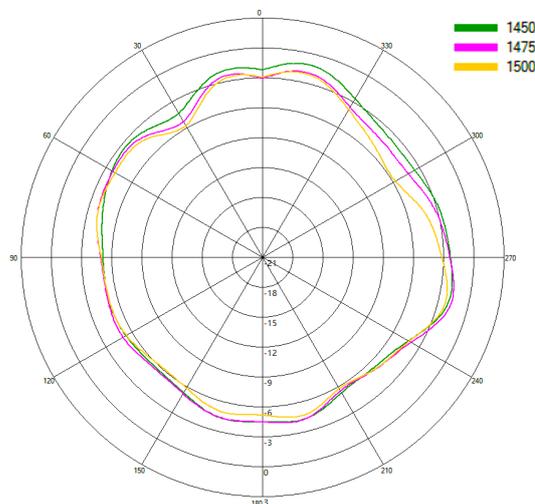
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell A

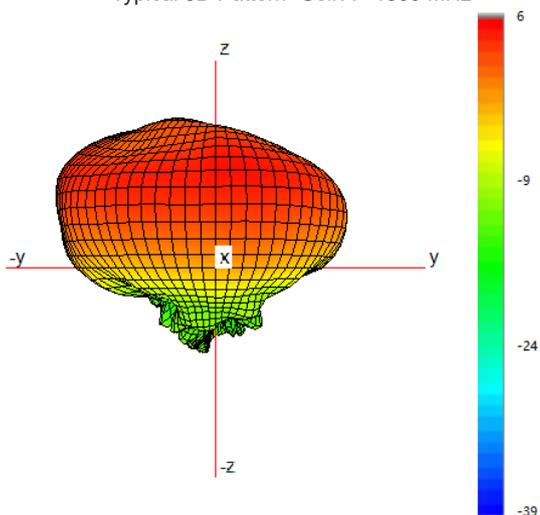
Typical 3D Pattern- Cell A - 1475 MHz



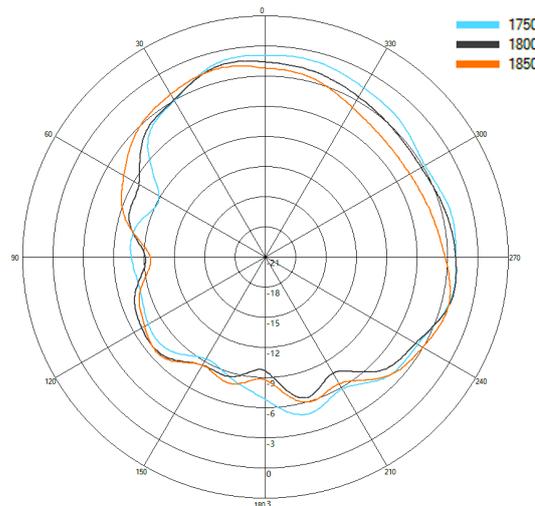
Typical H Plane- Cell A- Patterns- 1450-1500 MHz



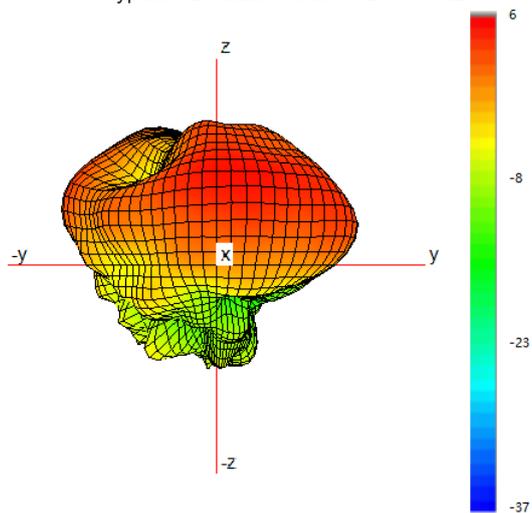
Typical 3D Pattern- Cell A - 1800 MHz



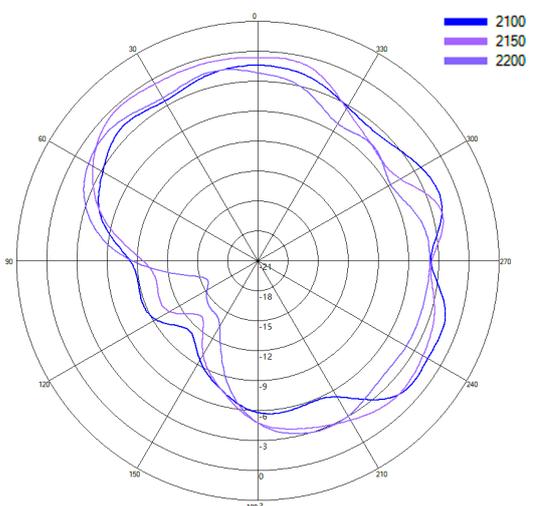
Typical H Plane- Cell A- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell A - 2150 MHz



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

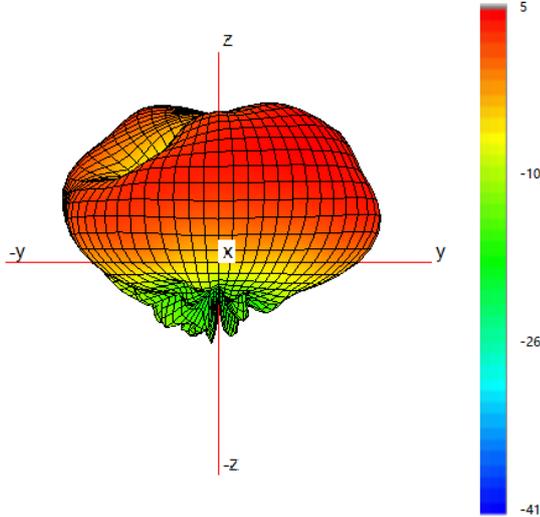


4x4 MiMo 4G/5G Dome Antenna Kit

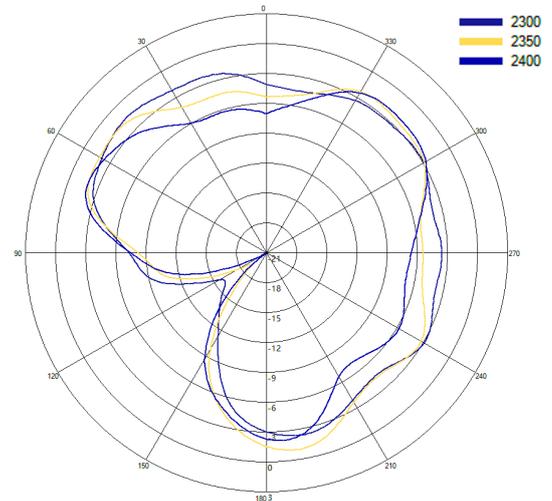
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell A

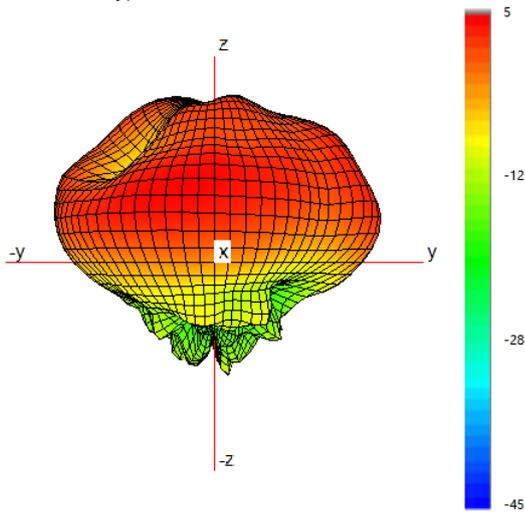
Typical 3D Pattern- Cell A - 2350 MHz



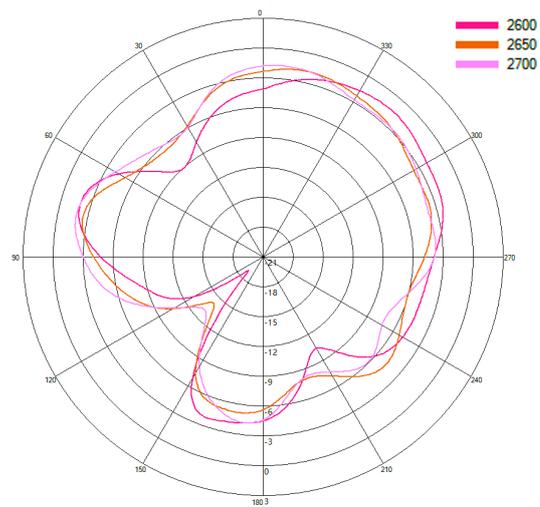
Typical H Plane- Cell A - Patterns- 2300-2400 MHz



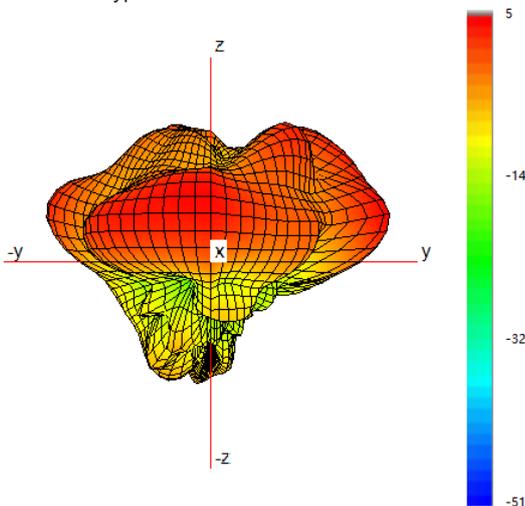
Typical 3D Pattern- Cell A - 2650 MHz



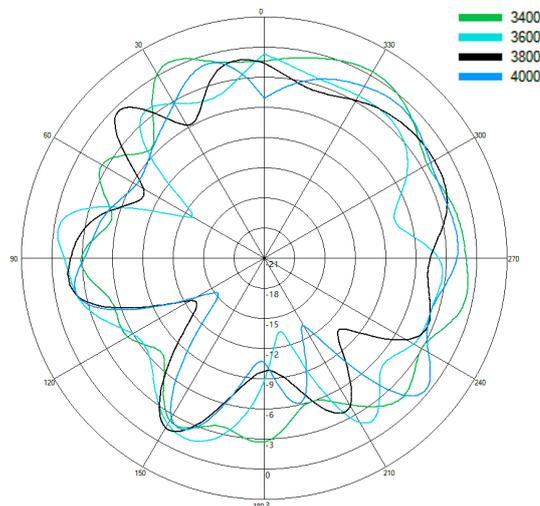
Typical H Plane- Cell A - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell A - 3600 MHz



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

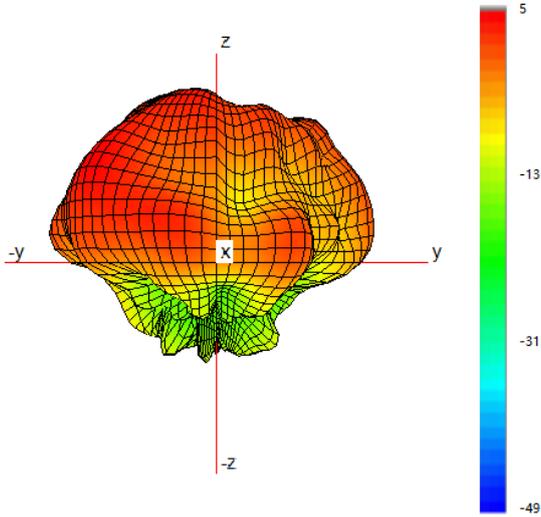


4x4 MiMo 4G/5G Dome Antenna Kit

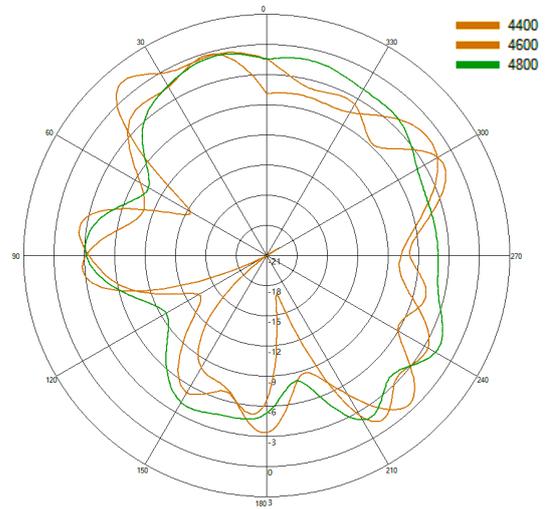
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell A

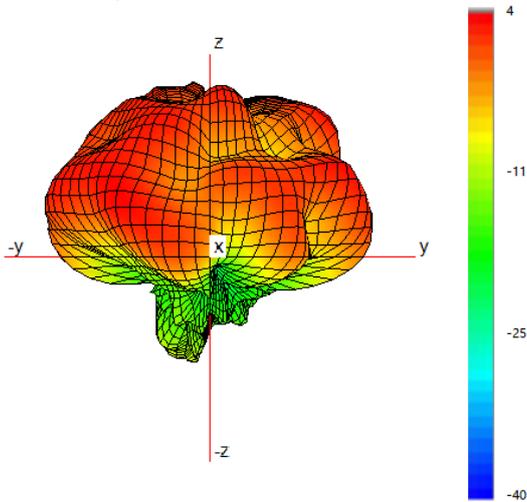
Typical 3D Pattern- Cell A - 4700 MHz



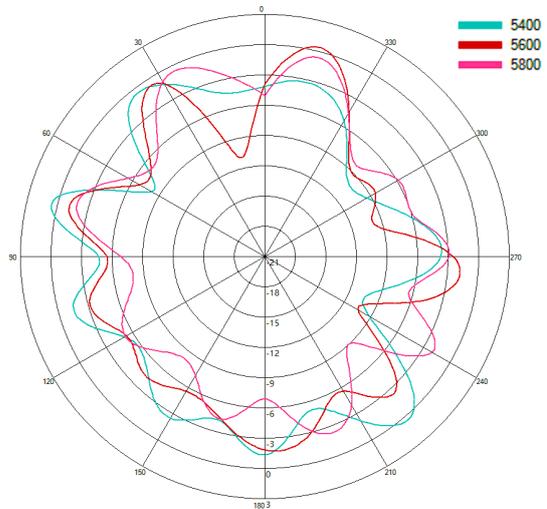
Typical H Plane- Cell A - Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell A - 5600 MHz



Typical H Plane- Cell A - Patterns- 5400-5800 MHz

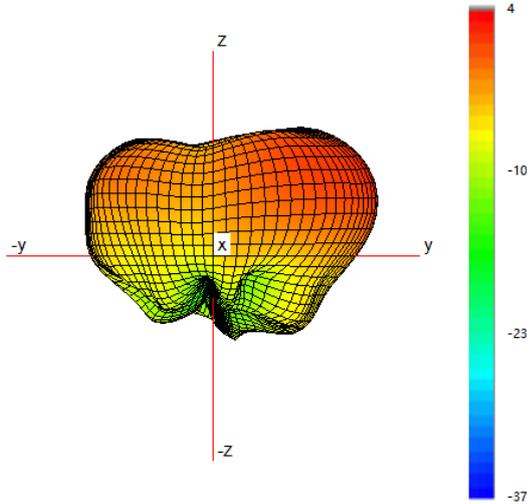


4x4 MiMo 4G/5G Dome Antenna Kit

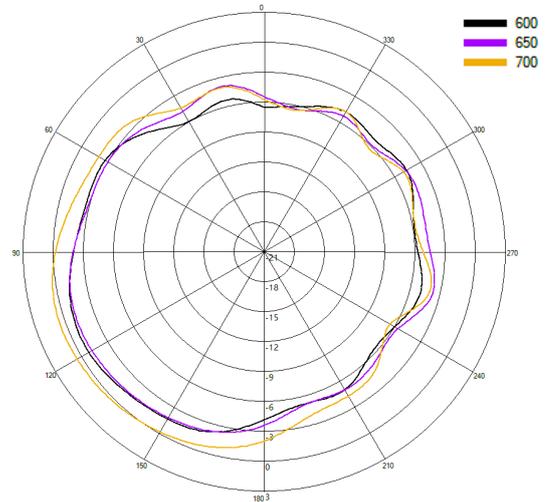
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell B

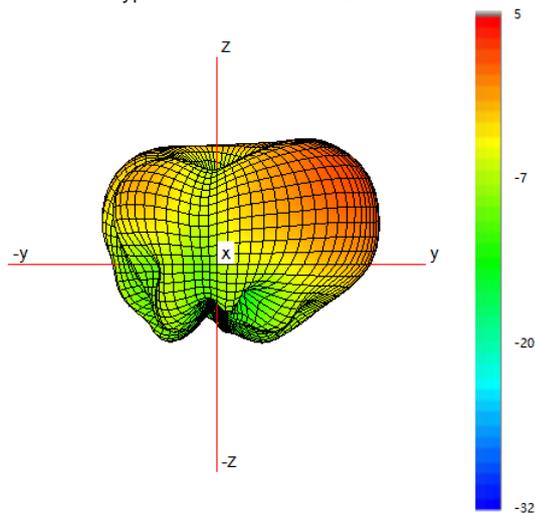
Typical 3D Pattern- Cell B - 650 MHz



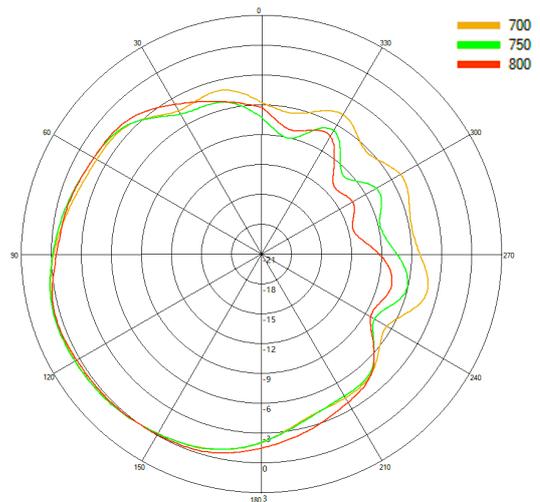
Typical H Plane- Cell B - Patterns- 600-700MHz



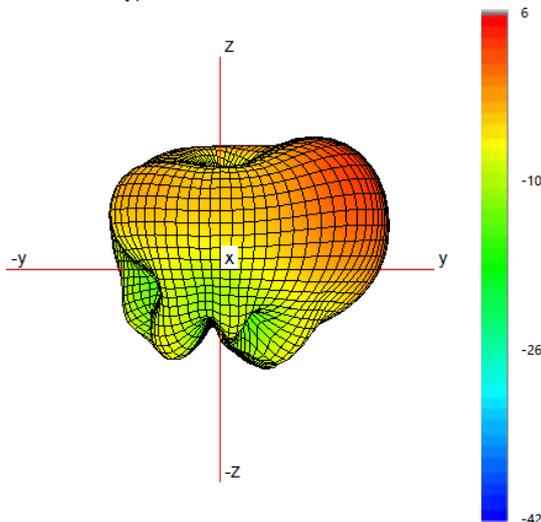
Typical 3D Pattern- Cell B - 750 MHz



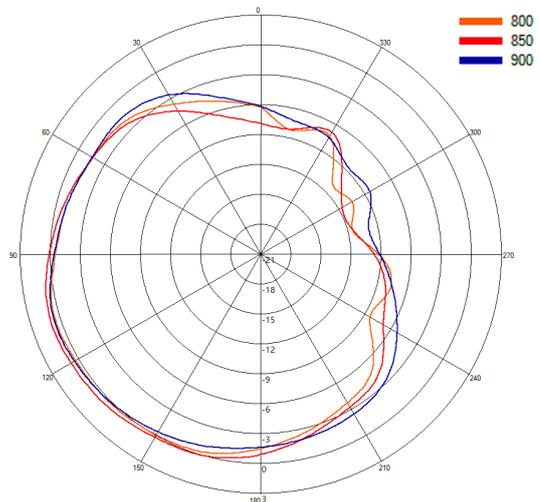
Typical H Plane- Cell B - Patterns- 700-800MHz



Typical 3D Pattern- Cell B - 850 MHz



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

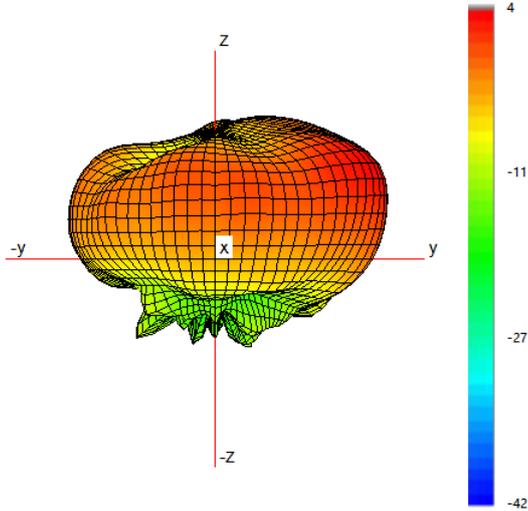


4x4 MiMo 4G/5G Dome Antenna Kit

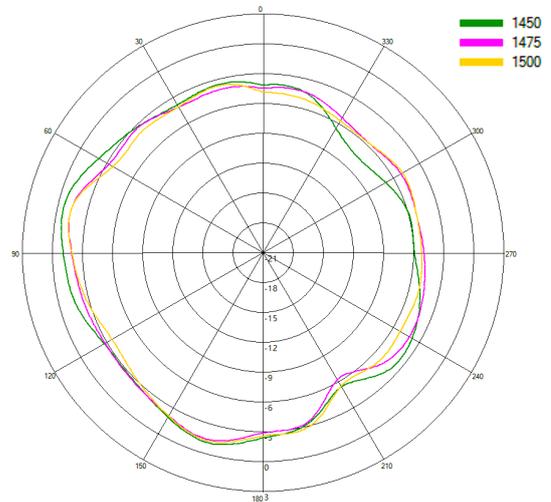
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell B

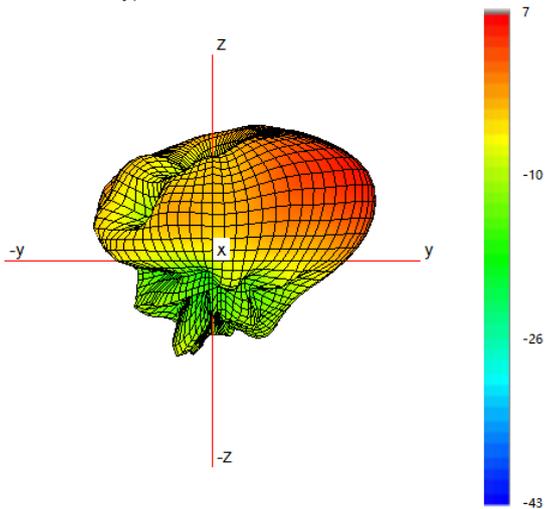
Typical 3D Pattern- Cell B - 1475 MHz



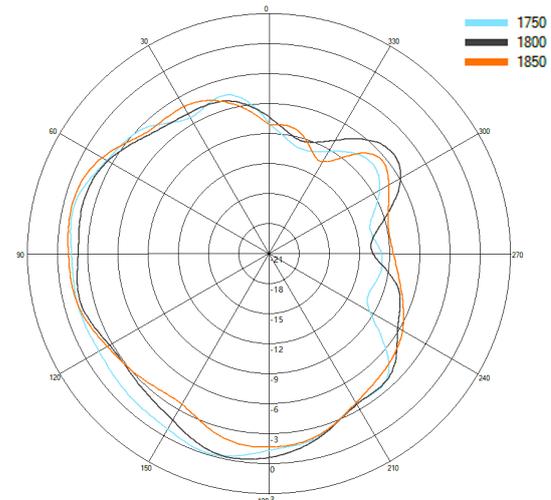
Typical H Plane- Cell B- Patterns- 1450-1500 MHz



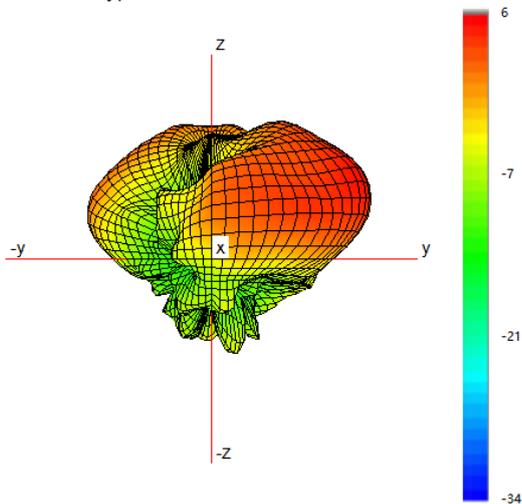
Typical 3D Pattern- Cell B - 1800 MHz



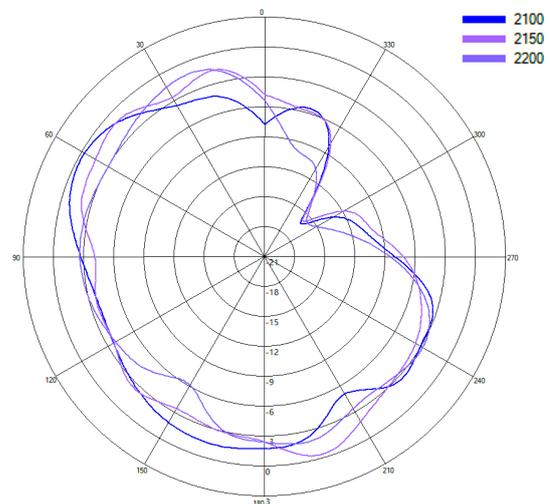
Typical H Plane- Cell B- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell B - 2150 MHz



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

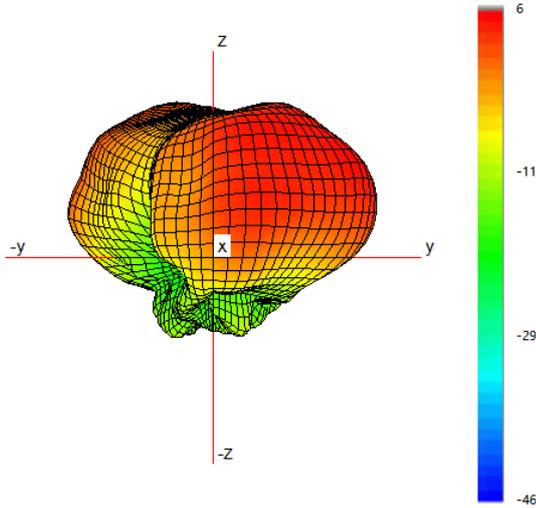


4x4 MiMo 4G/5G Dome Antenna Kit

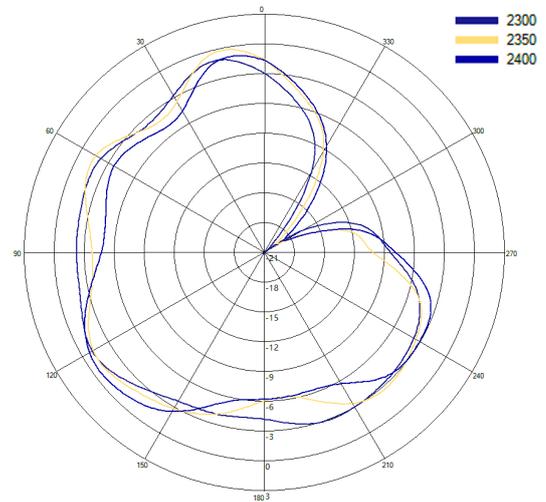
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell B

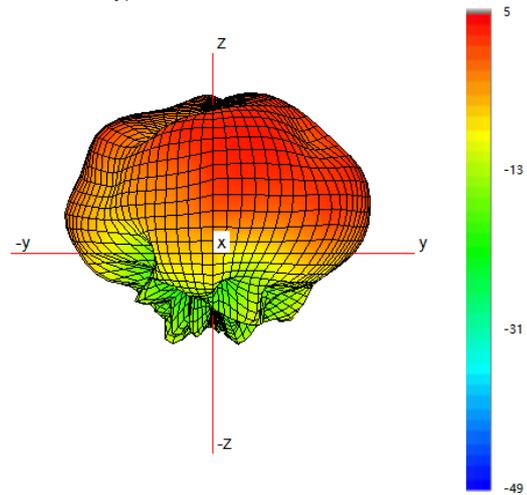
Typical 3D Pattern- Cell B - 2350 MHz



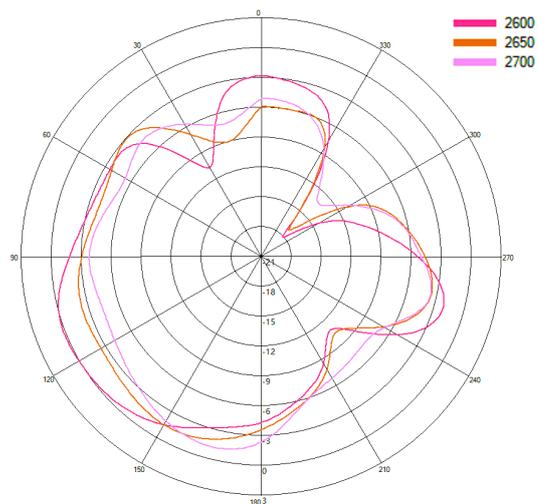
Typical H Plane- Cell B - Patterns- 2300-2400 MHz



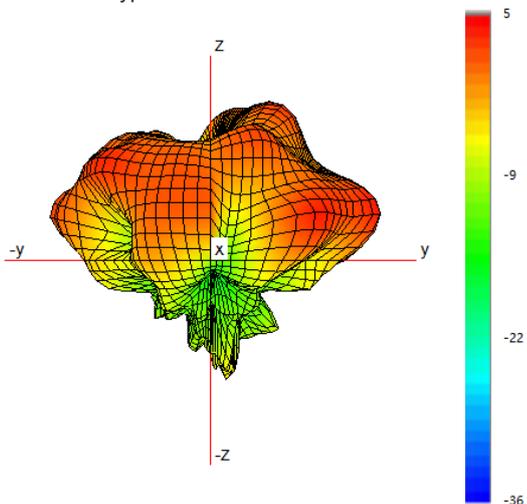
Typical 3D Pattern- Cell B - 2650 MHz



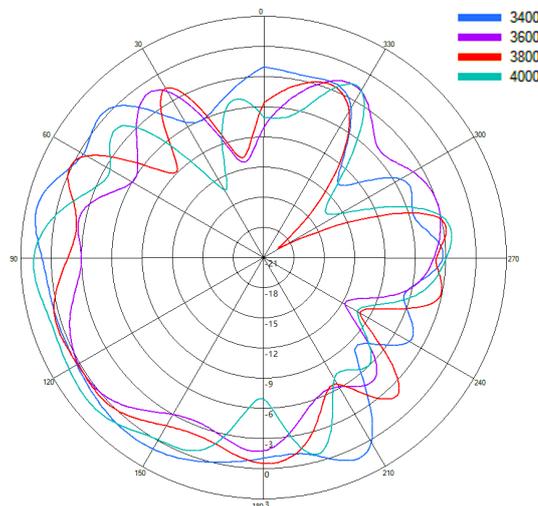
Typical H Plane- Cell B - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell B - 3600 MHz



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

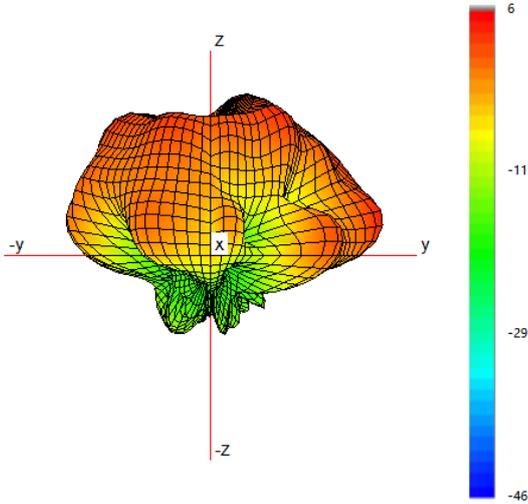


4x4 MiMo 4G/5G Dome Antenna Kit

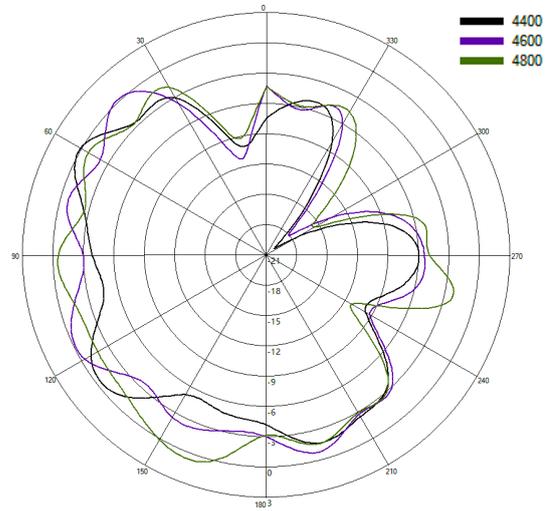
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell B

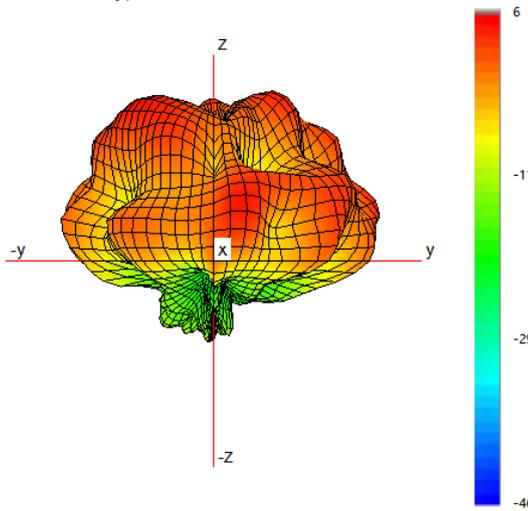
Typical 3D Pattern- Cell B - 4700 MHz



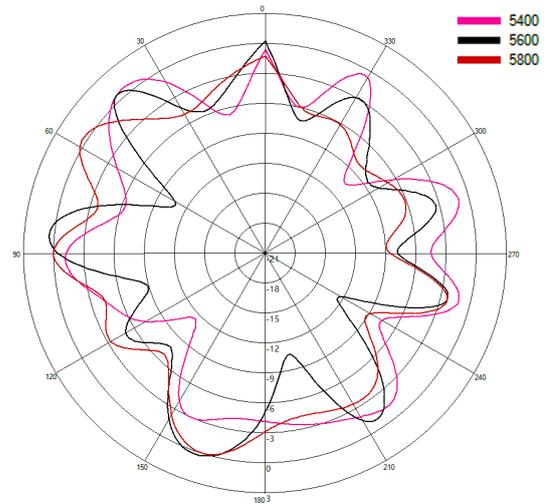
Typical H Plane- Cell B- Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell B - 5600 MHz



Typical H Plane- Cell B - Patterns- 5400-5800 MHz

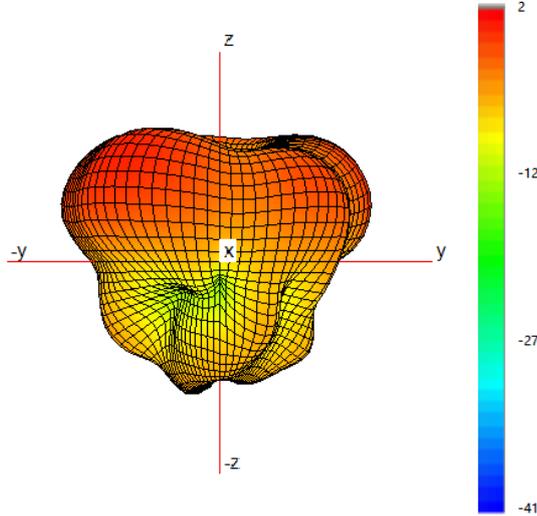


4x4 MiMo 4G/5G Dome Antenna Kit

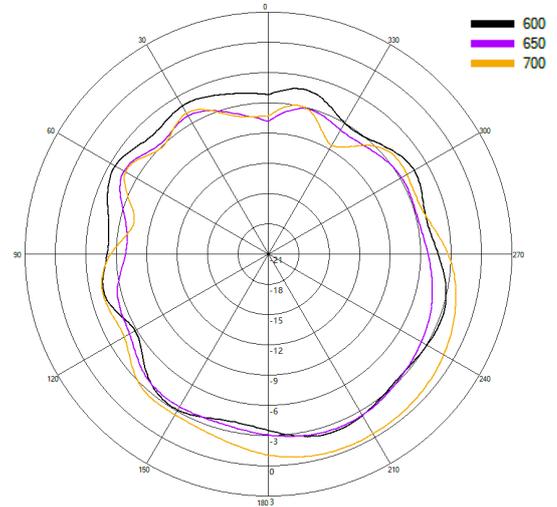
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell C

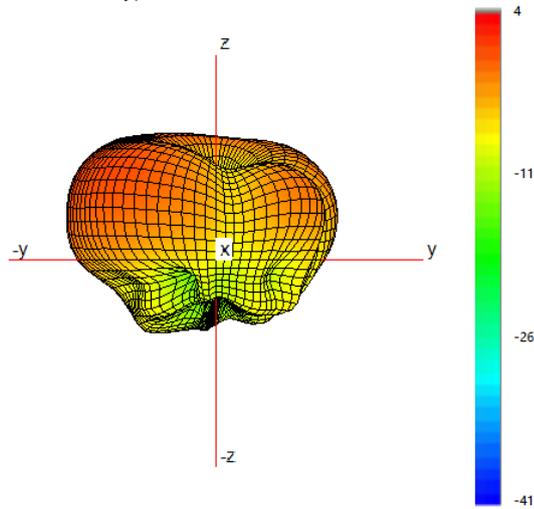
Typical 3D Pattern- Cell C - 650 MHz



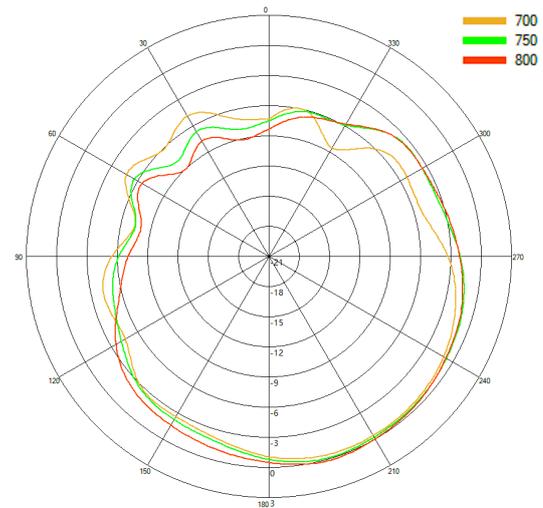
Typical H Plane- Cell C - Patterns- 600-700MHz



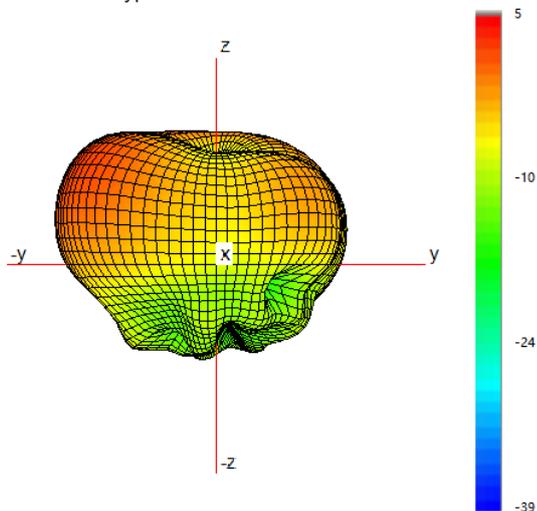
Typical 3D Pattern- Cell C - 750 MHz



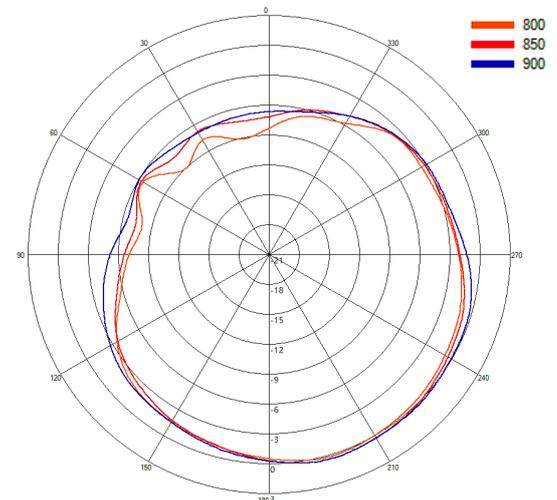
Typical H Plane- Cell C - Patterns- 700-800MHz



Typical 3D Pattern- Cell C - 850 MHz



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

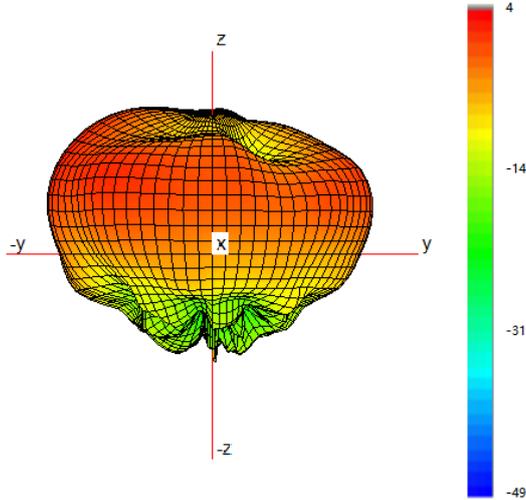


4x4 MiMo 4G/5G Dome Antenna Kit

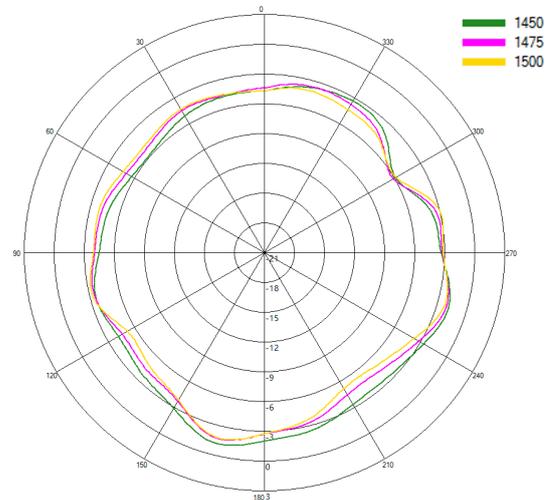
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell C

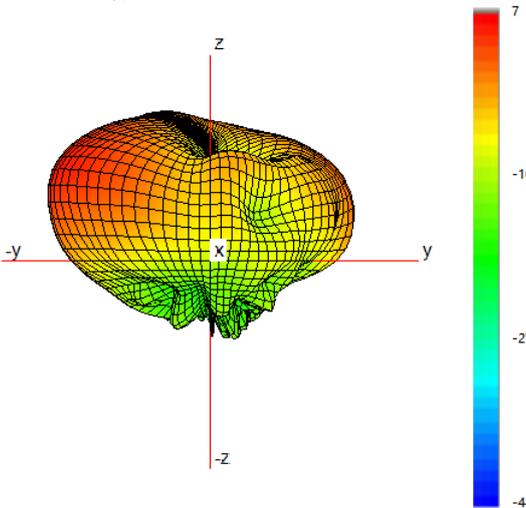
Typical 3D Pattern- Cell C - 1475 MHz



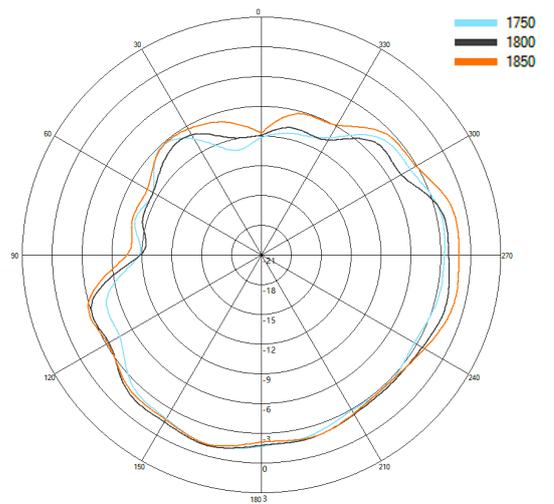
Typical H Plane- Cell C- Patterns- 1450-1500 MHz



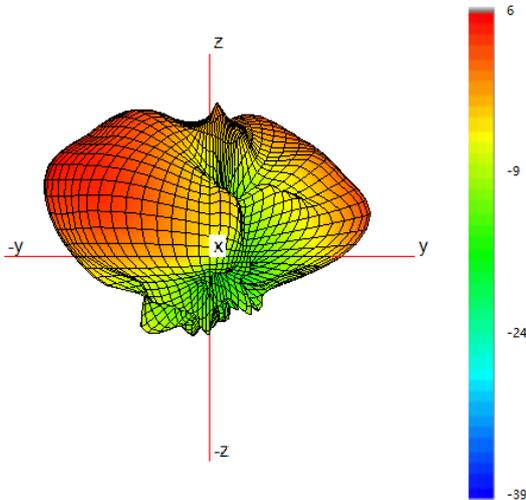
Typical 3D Pattern- Cell C - 1800 MHz



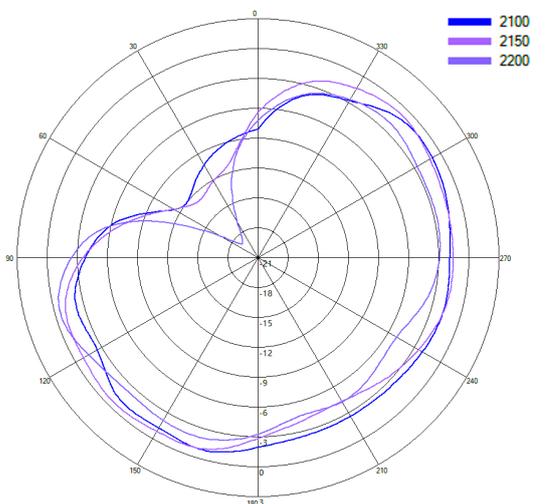
Typical H Plane- Cell C- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell C - 2150 MHz



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

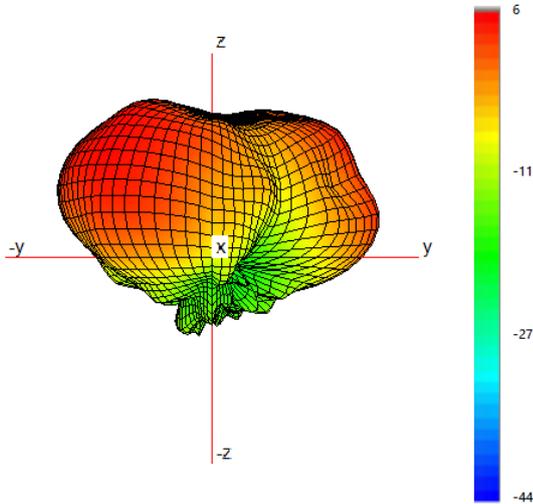


4x4 MiMo 4G/5G Dome Antenna Kit

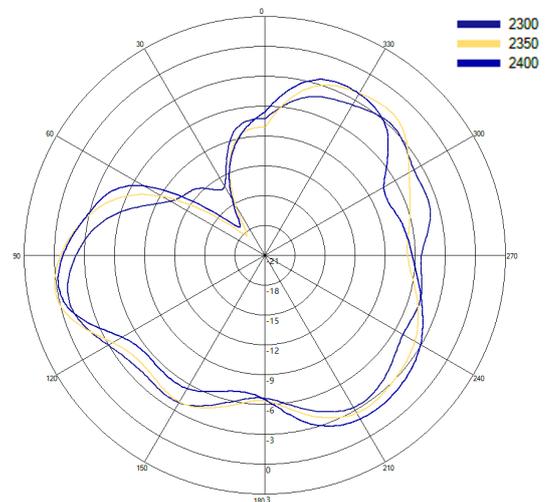
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell C

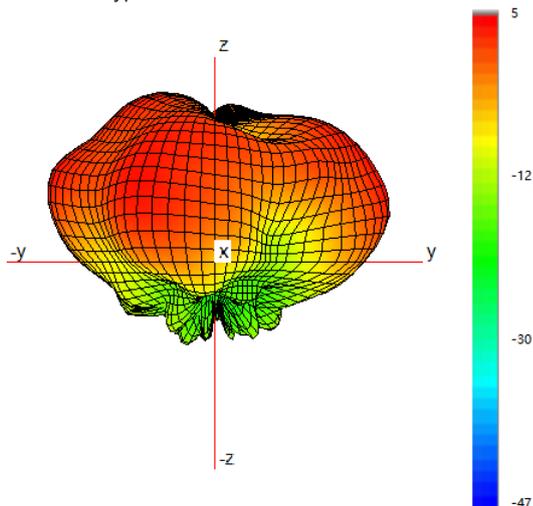
Typical 3D Pattern- Cell C - 2350 MHz



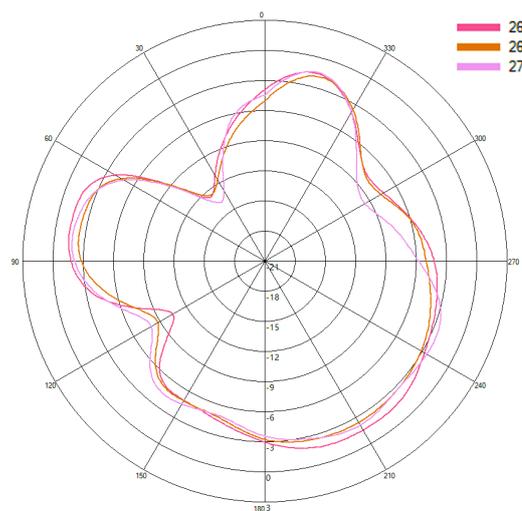
Typical H Plane- Cell C - Patterns- 2300-2400 MHz



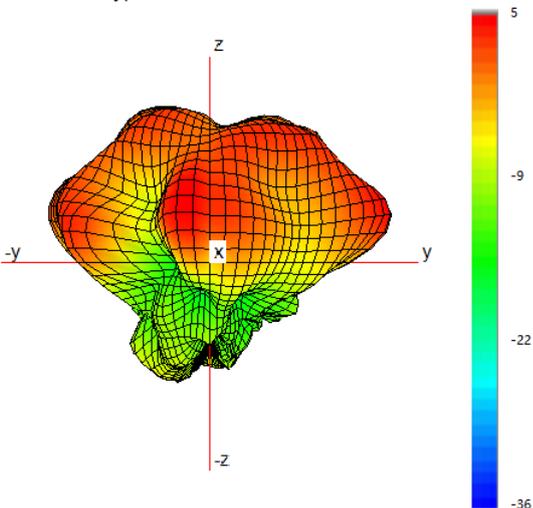
Typical 3D Pattern- Cell C - 2650 MHz



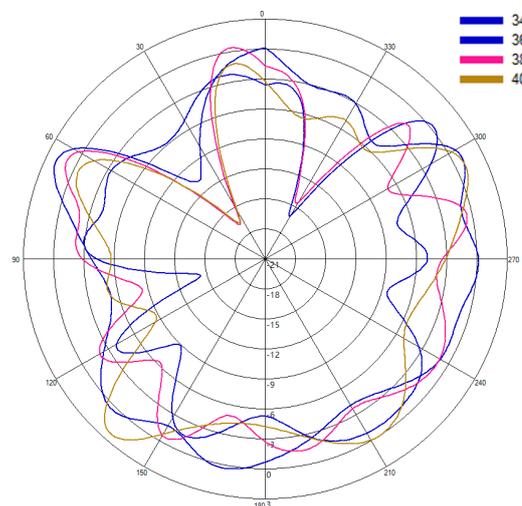
Typical H Plane- Cell C - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell C - 3600 MHz



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

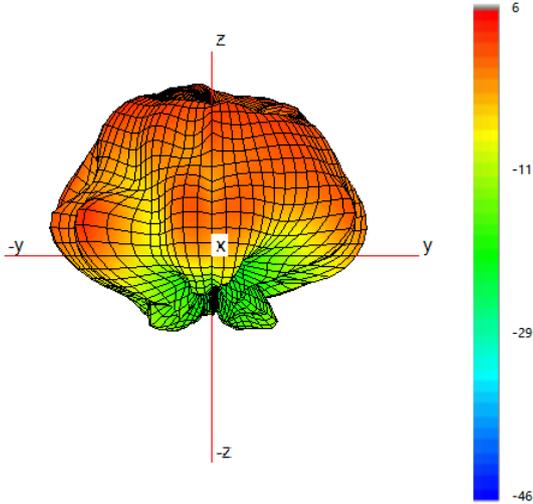


4x4 MiMo 4G/5G Dome Antenna Kit

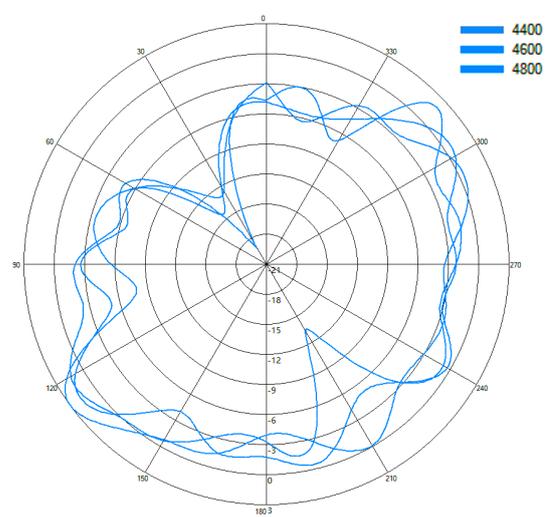
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell C

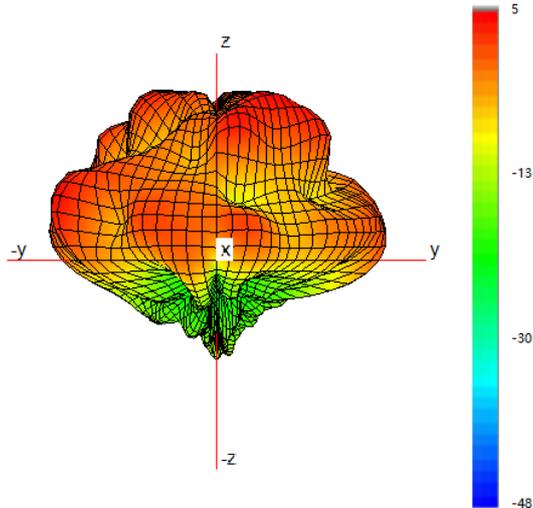
Typical 3D Pattern- Cell C - 4700 MHz



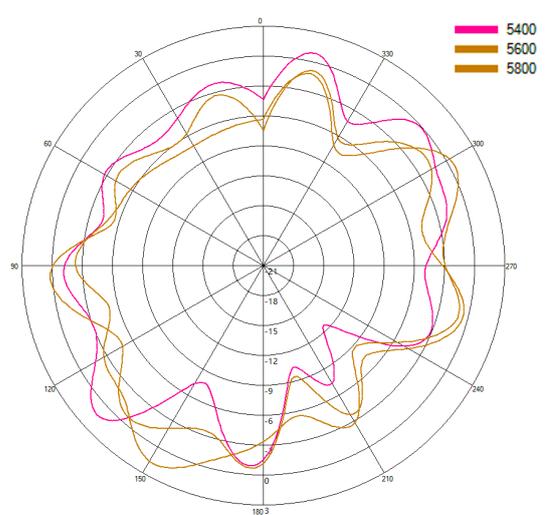
Typical H Plane- Cell C- Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell C - 5600 MHz



Typical H Plane- Cell C - Patterns- 5400-5800 MHz

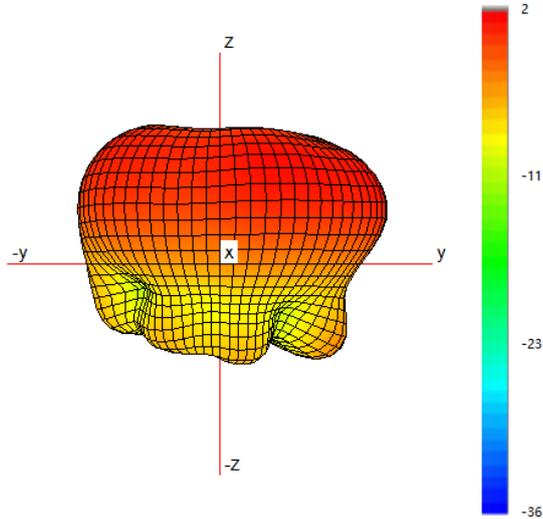


4x4 MiMo 4G/5G Dome Antenna Kit

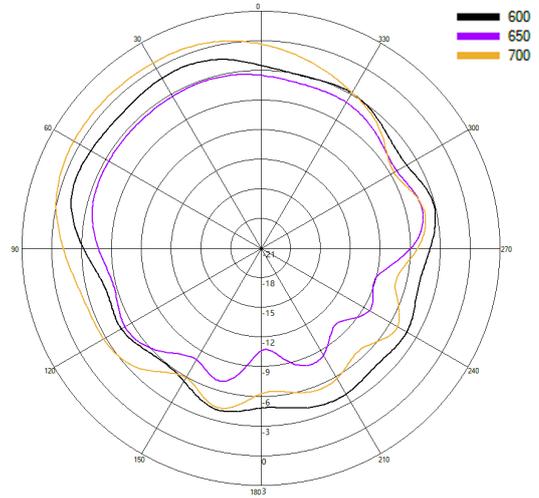
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell D

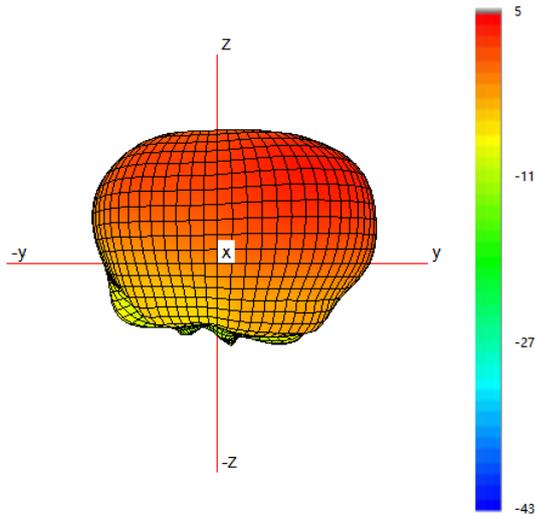
Typical 3D Pattern- Cell D - 650 MHz



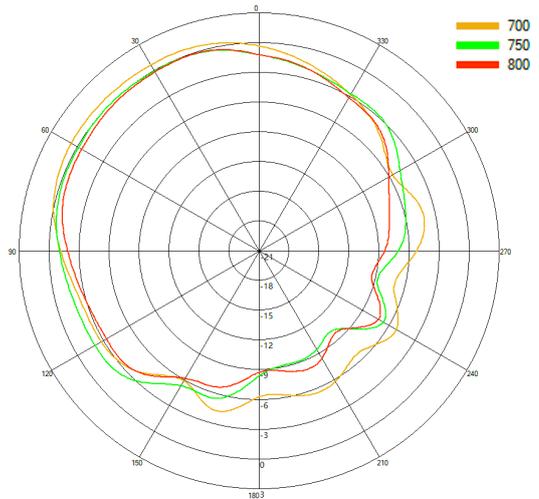
Typical H Plane- Cell D - Patterns- 600-700MHz



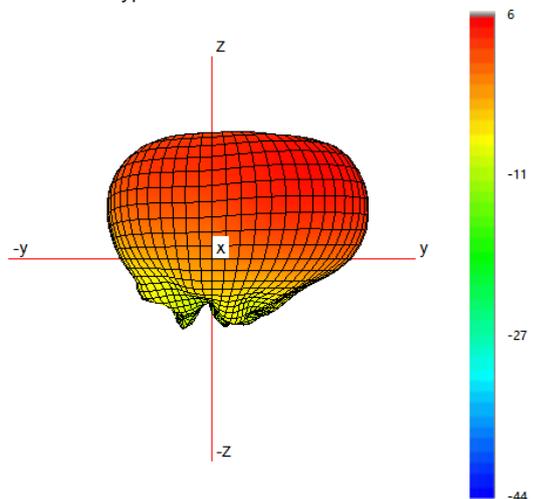
Typical 3D Pattern- Cell D - 750 MHz



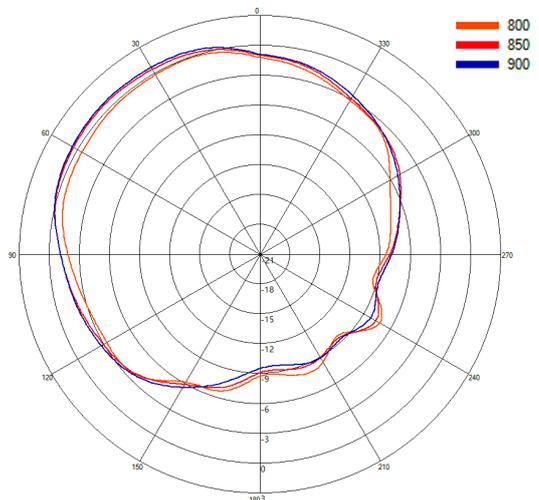
Typical H Plane- Cell D - Patterns- 700-800MHz



Typical 3D Pattern- Cell D - 850 MHz



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

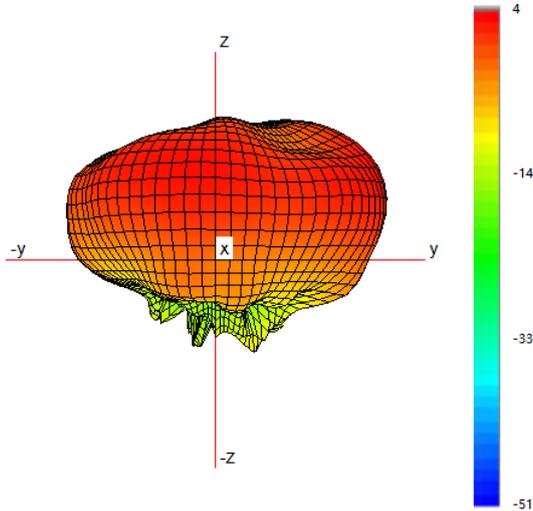


4x4 MiMo 4G/5G Dome Antenna Kit

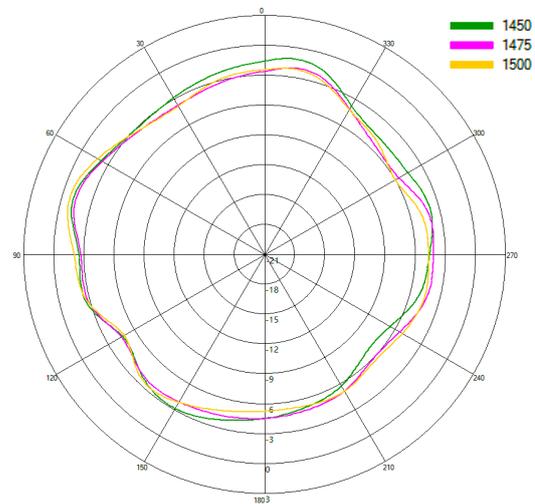
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell D

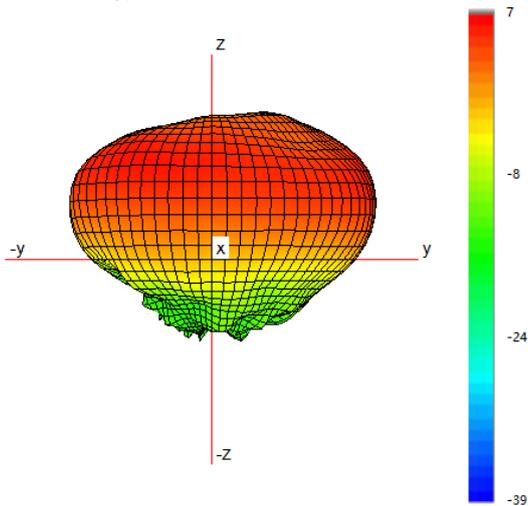
Typical 3D Pattern- Cell D - 1475 MHz



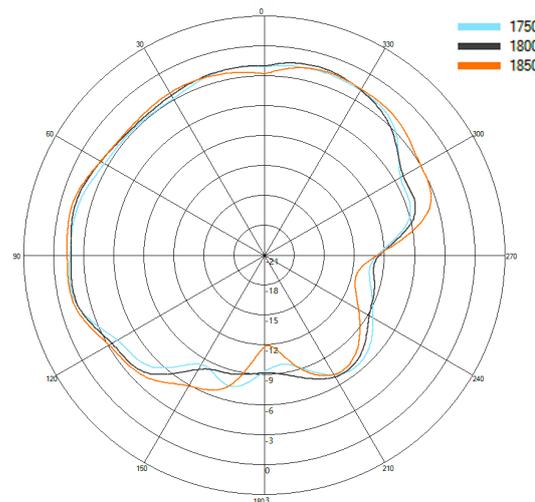
Typical H Plane- Cell D- Patterns- 1450-1500 MHz



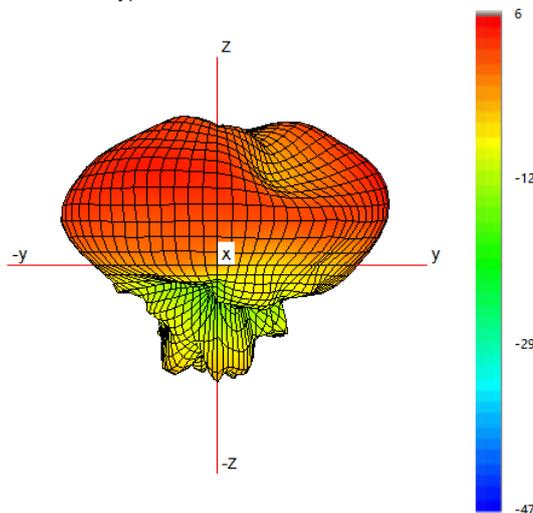
Typical 3D Pattern- Cell D- 1800 MHz



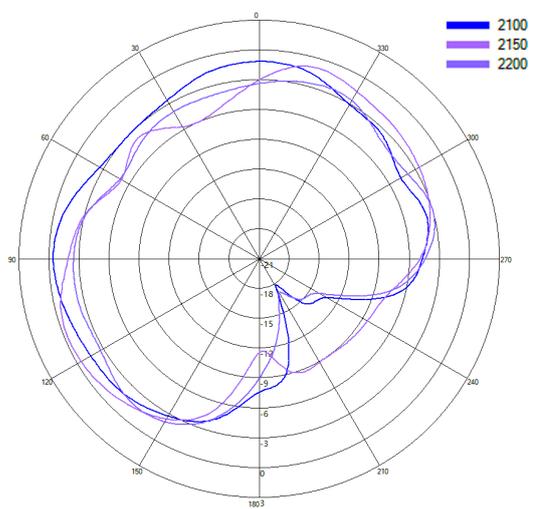
Typical H Plane- Cell D- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell D - 2150 MHz



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

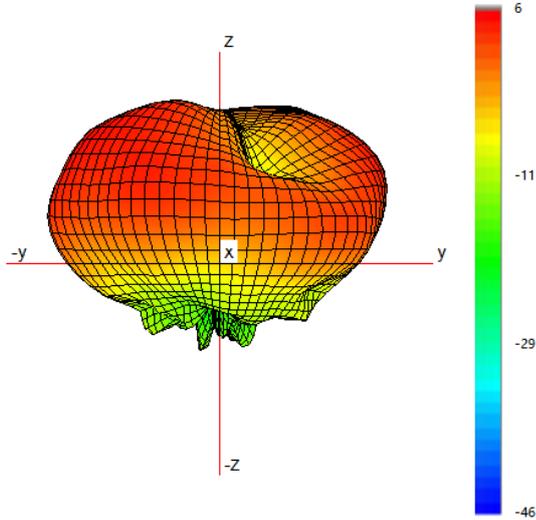


4x4 MiMo 4G/5G Dome Antenna Kit

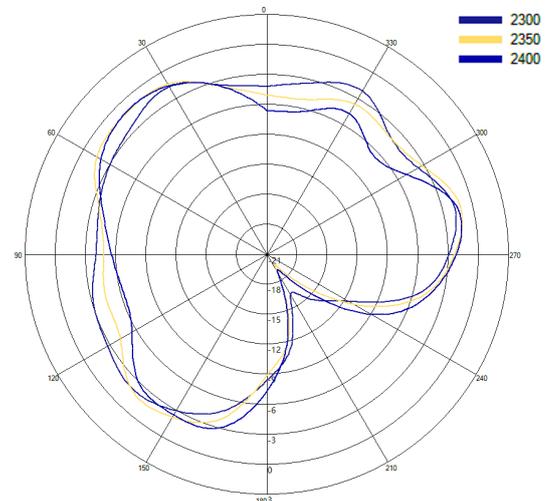
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell D

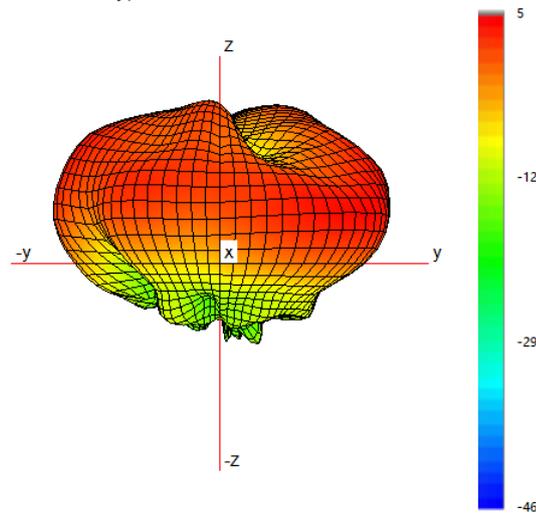
Typical 3D Pattern- Cell D - 2350 MHz



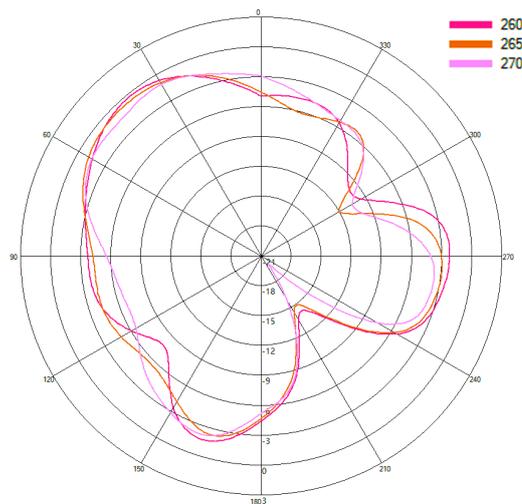
Typical H Plane- Cell D - Patterns- 2300-2400 MHz



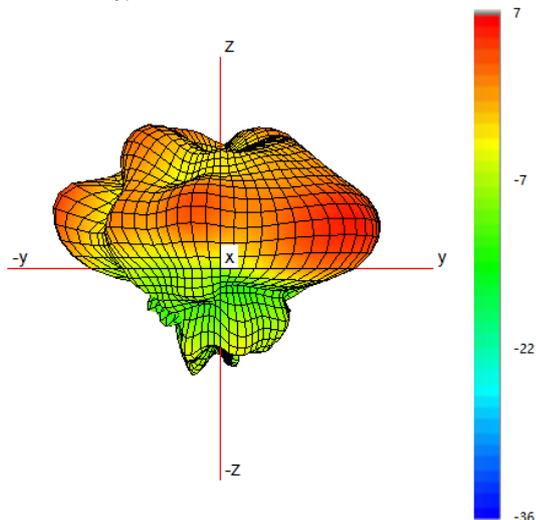
Typical 3D Pattern- Cell D - 2650 MHz



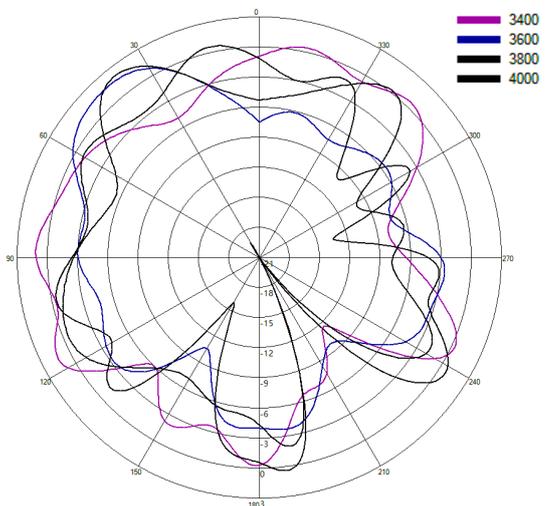
Typical H Plane- Cell D - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell D - 3600 MHz



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

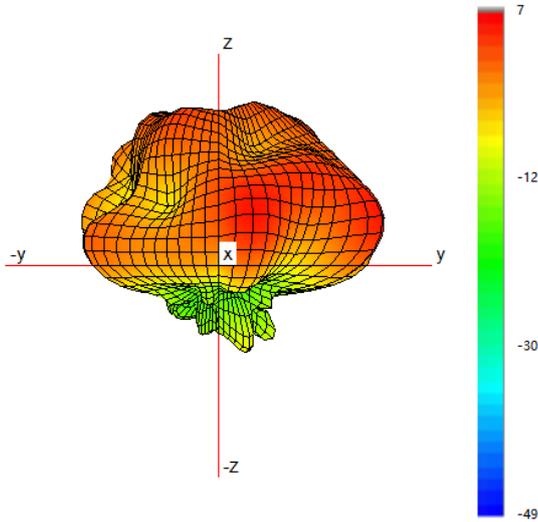


4x4 MiMo 4G/5G Dome Antenna Kit

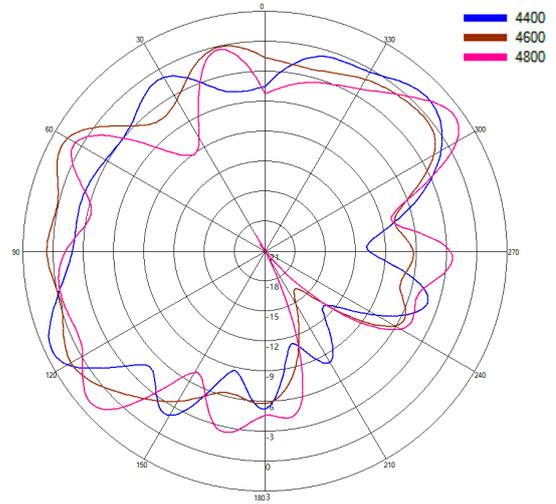
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane Cell D

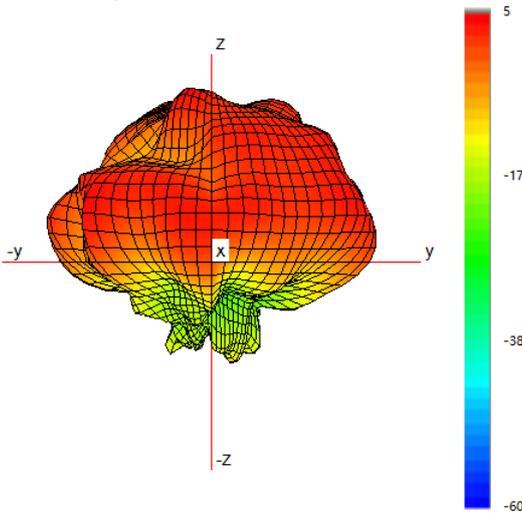
Typical 3D Pattern- Cell D - 4700 MHz



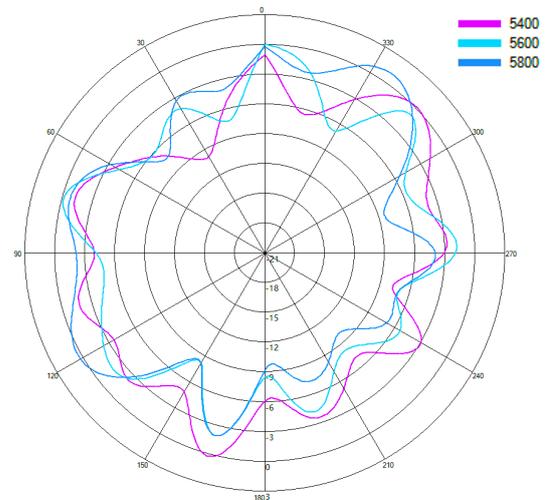
Typical H Plane- Cell D- Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell D - 5600 MHz



Typical H Plane- Cell D - Patterns- 5400-5800 MHz

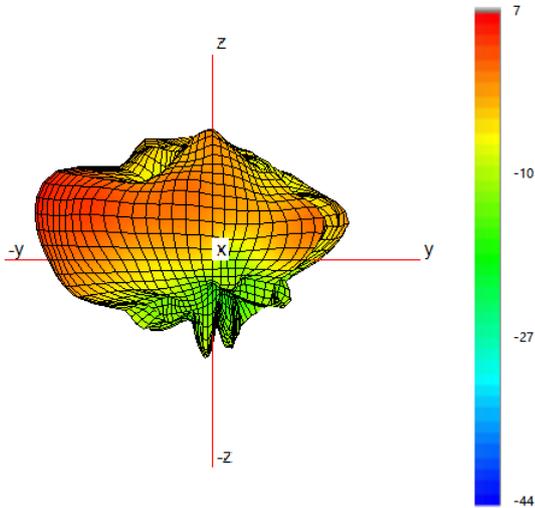


4x4 MiMo 4G/5G Dome Antenna Kit

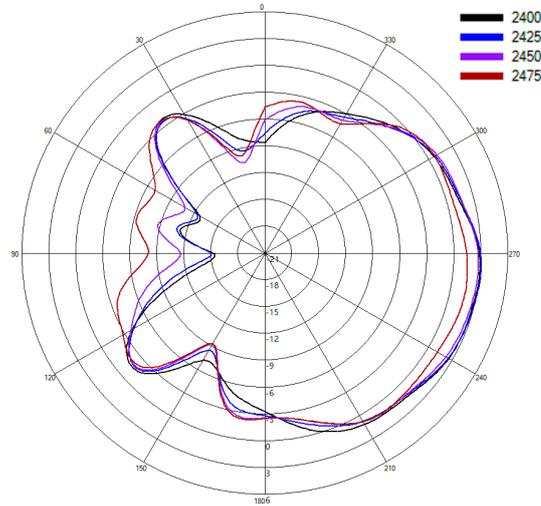
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane WiFi - 1

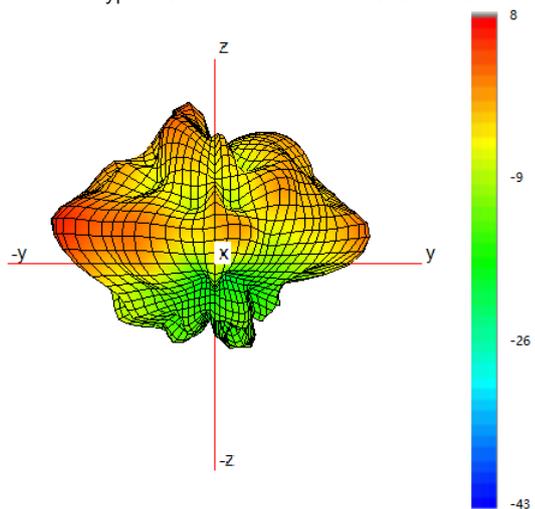
Typical 3D Pattern- WiFi - 1 - 2450 MHz



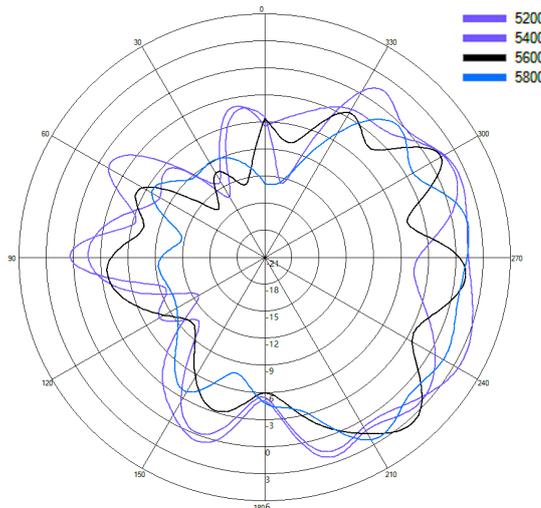
Typical H Plane- WiFi - 1 - Patterns- 2400-2475MHz



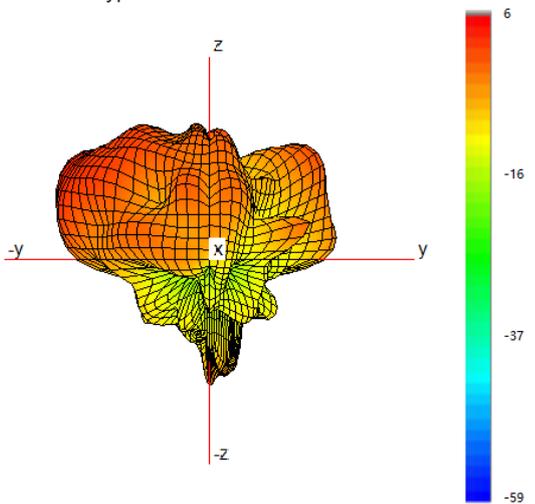
Typical 3D Pattern- WiFi - 1 - 5500 MHz



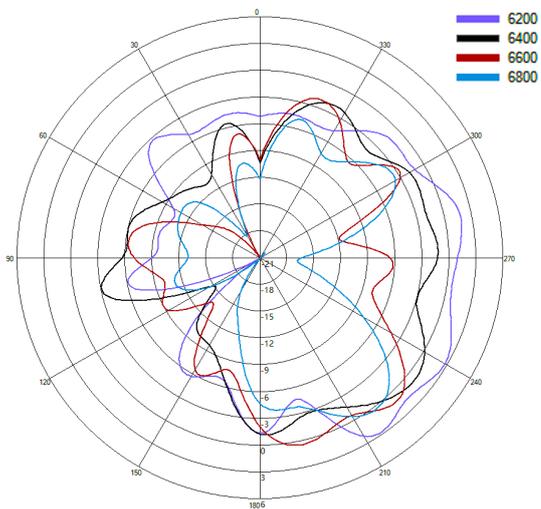
Typical H Plane- WiFi - 1 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 1 - 6500 MHz



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

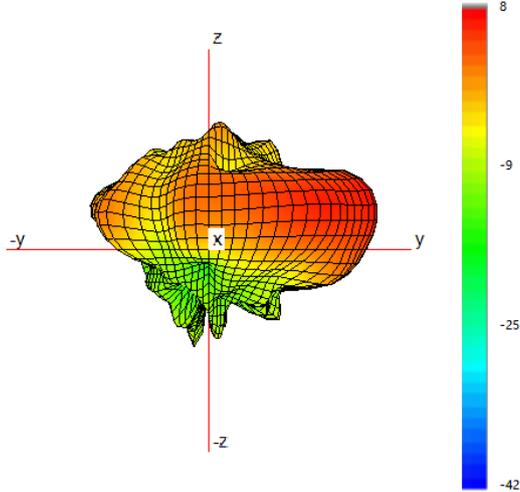


4x4 MiMo 4G/5G Dome Antenna Kit

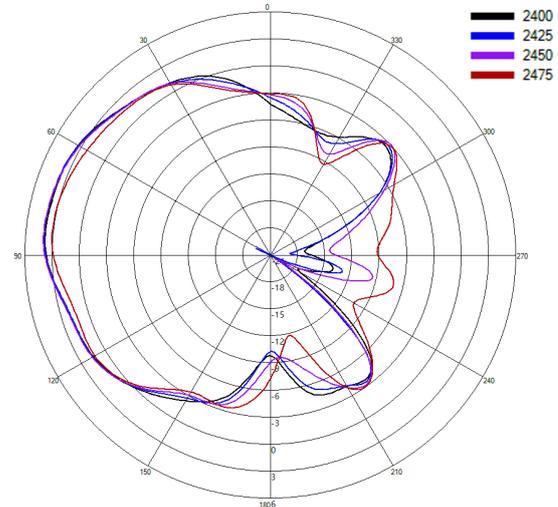
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane WiFi - 2

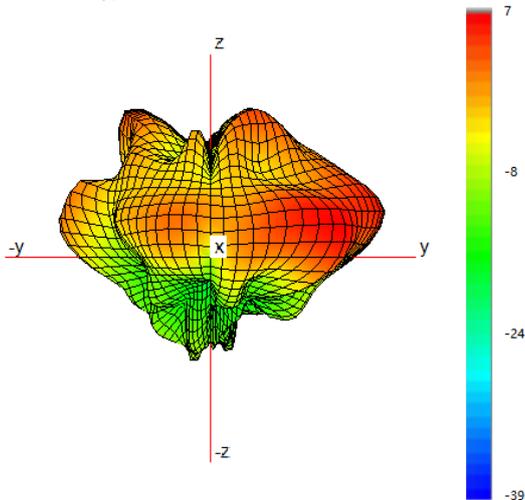
Typical 3D Pattern- WiFi - 2 - 2450 MHz



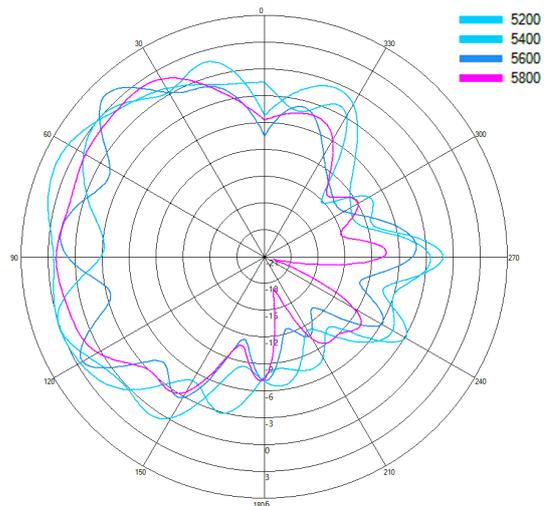
Typical H Plane- WiFi - 2 - Patterns- 2400-2475MHz



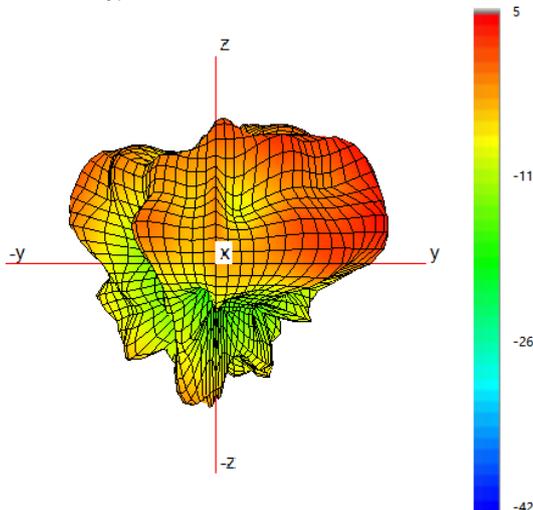
Typical 3D Pattern- WiFi - 2 - 5500 MHz



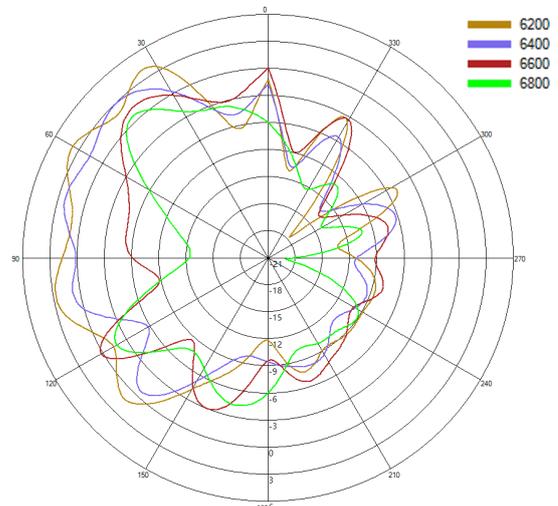
Typical H Plane- WiFi - 2 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 2 - 6500 MHz



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

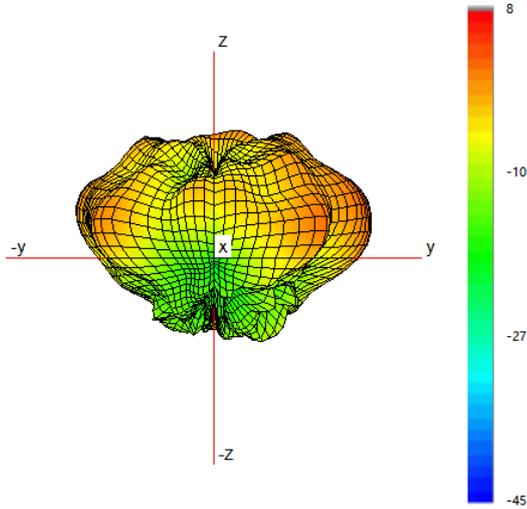


4x4 MiMo 4G/5G Dome Antenna Kit

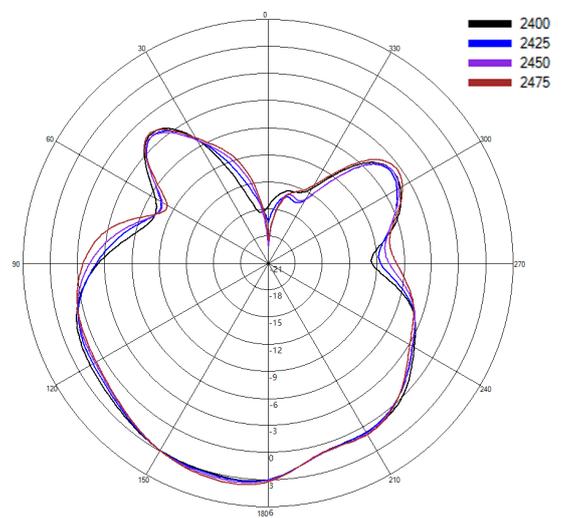
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on
Ground Plane WIFI- 3

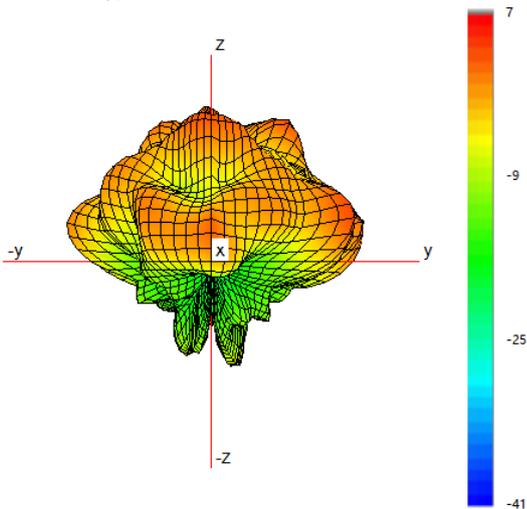
Typical 3D Pattern- WiFi - 3 - 2450 MHz



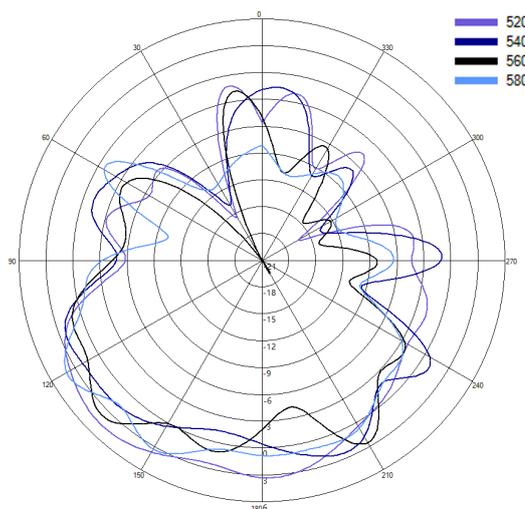
Typical H Plane- WiFi - 3 - Patterns- 2400-2475MHz



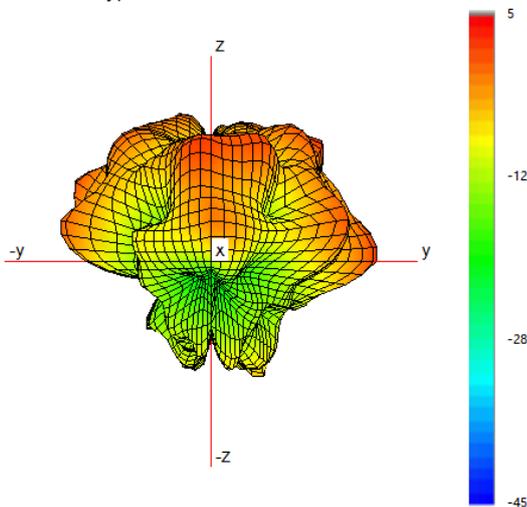
Typical 3D Pattern- WiFi - 3 - 5500 MHz



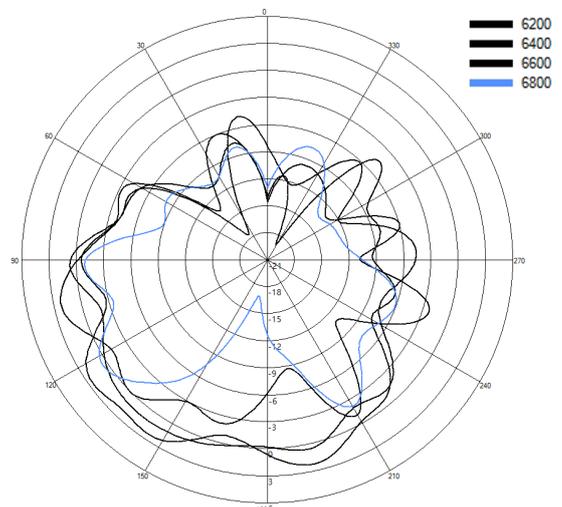
Typical H Plane- WiFi - 3 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 3 - 6500 MHz



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

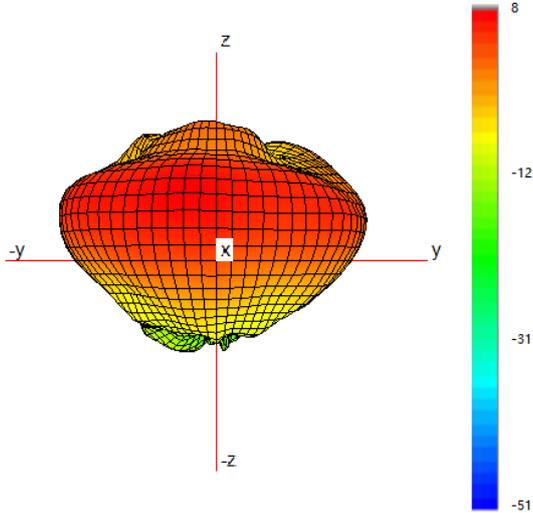


4x4 MiMo 4G/5G Dome Antenna Kit

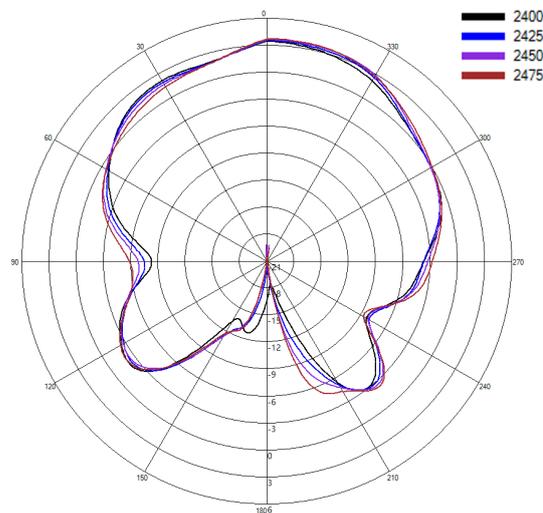
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data on Ground Plane WiFi- 4

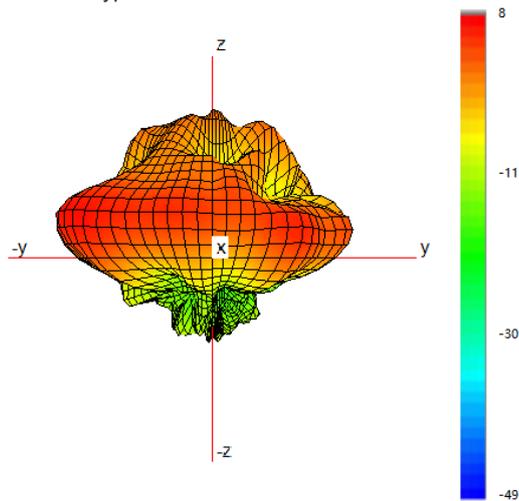
Typical 3D Pattern- WiFi - 4 - 2450 MHz



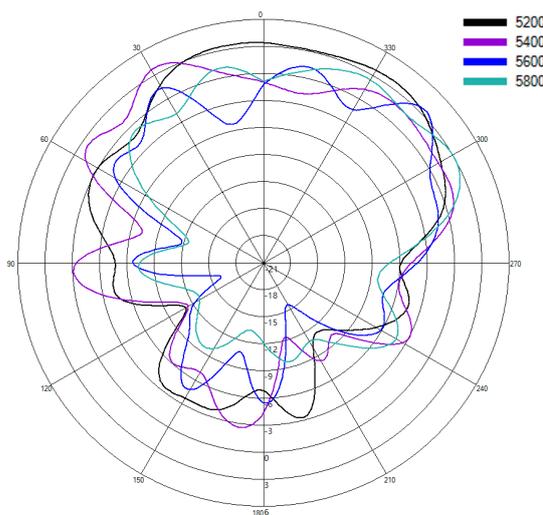
Typical H Plane- WiFi - 4 - Patterns- 2400-2475MHz



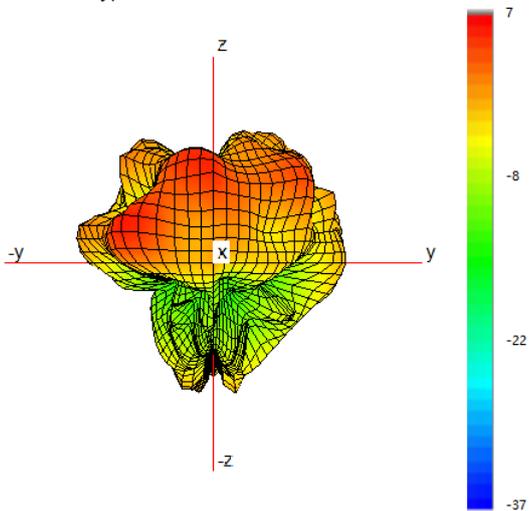
Typical 3D Pattern- WiFi - 4 - 5500 MHz



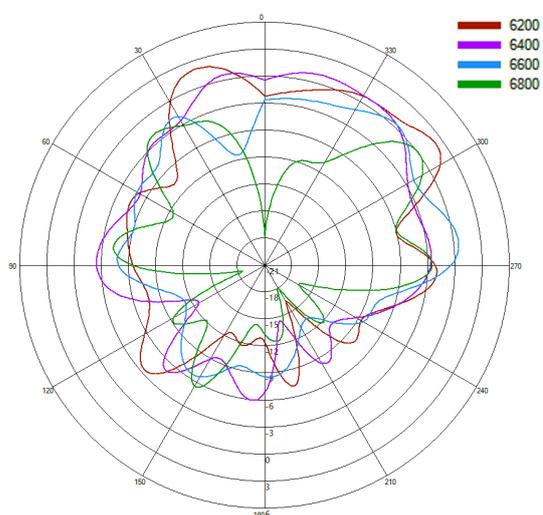
Typical H Plane- WiFi - 4 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 4 - 6500 MHz



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



4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

~Page was left intentionally blank~

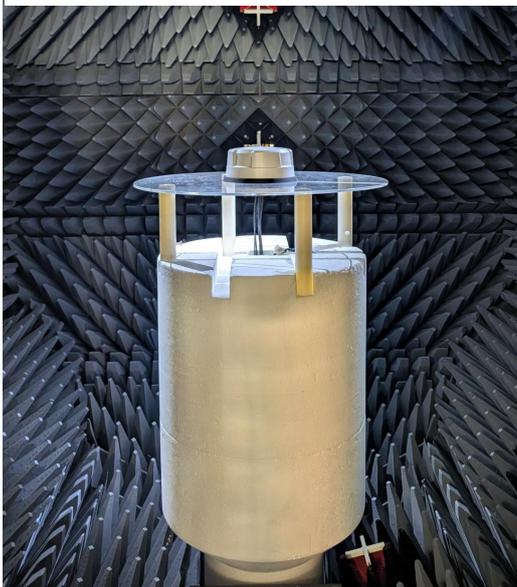
4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data Cell - Free Space

Measurement Conditions

LGMQM4-6-60-24-58 measured in free space



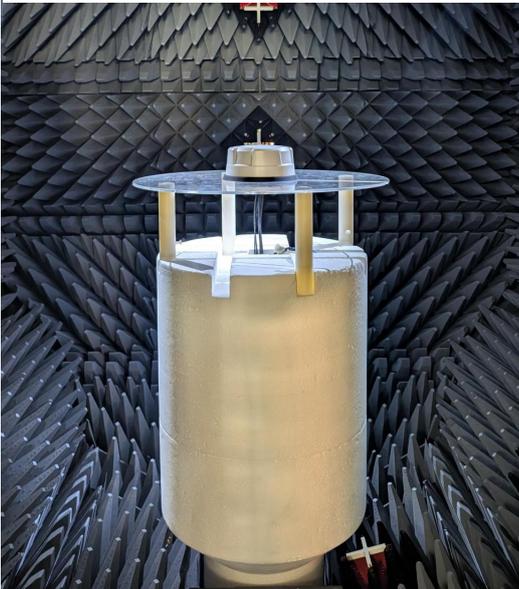
4G/5G Antennas

Frequency Range (MHz)	LTE / NR Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
617-698	71, 105	Cell A	1.5	55
		Cell B	1.7	53
		Cell C	1.3	54
		Cell D	1.5	52
699-798	12,13, 14 17,28	Cell A	1.8	57
		Cell B	1.7	57
		Cell C	1.6	57
		Cell D	1.8	55
807- 862	5,19,20,26,27	Cell A	3.0	61
		Cell B	3.0	61
		Cell C	3.0	59
		Cell D	3.0	59
880-960	8	Cell A	3.0	63
		Cell B	3.0	63
		Cell C	2.8	62
		Cell D	3.0	63
1427-1518	11, 21, 74,75,76	Cell A	1.4	50
		Cell B	1.3	49
		Cell C	1.5	49
		Cell D	1.3	49
1710-1920	2,3,4,9,25,35,39,66	Cell A	3.8	70
		Cell B	3.4	70
		Cell C	3.7	70
		Cell D	3.8	72
1920-2170	1,23	Cell A	4.3	72
		Cell B	4.4	72
		Cell C	4.6	72
		Cell D	4.4	73
2300-2400	30,40	Cell A	4.5	74
		Cell B	4.7	74
		Cell C	5.1	74
		Cell D	4.9	75
2496-2690	7,38,41	Cell A	4.5	74
		Cell B	4.6	73
		Cell C	5.0	72
		Cell D	4.3	73
3300-4200	22,42,43,48,77,78	Cell A	4.7	62
		Cell B	4.7	63
		Cell C	4.6	65
		Cell D	4.7	66
4400-5000	79	Cell A	6.0	54
		Cell B	5.1	57
		Cell C	4.6	64
		Cell D	4.7	64
5000-6000	96, 102, 104	Cell A	5.3	57
		Cell B	5.7	60
		Cell C	5.2	59
		Cell D	5.0	57

4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data WiFi - Free Space

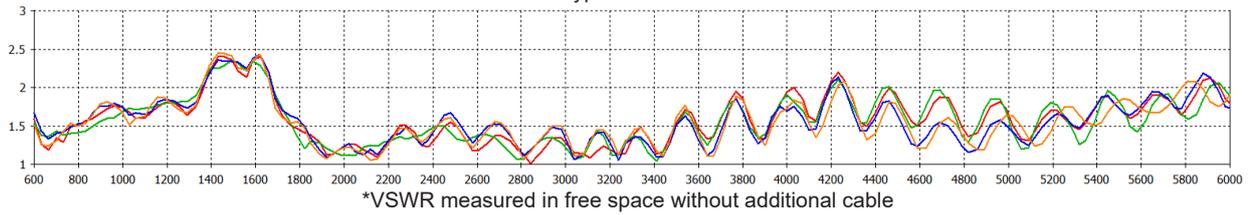
Measurement Conditions	WiFi Antennas				
LGMQM4-6-60-24-58 measured in free space	Frequency Range (MHz)	WiFi Bands	Antenna Element	Peak Gain (dBi)	Efficiency (%)
	2396-2485	2.4GHz	WiFi 1	4.1	74
			WiFi 2	3.8	73
			WiFi 3	3.7	71
			WiFi 4	5.1	72
	5150-5250	UNII-1	WiFi 1	5.6	61
			WiFi 2	5.0	61
			WiFi 3	5.8	64
			WiFi 4	6.1	60
	5250-5350	UNII-2A	WiFi 1	5.3	58
			WiFi 2	4.3	56
			WiFi 3	5.1	58
			WiFi 4	6.1	56
	5350-5470	UNII-2B	WiFi 1	6.8	60
			WiFi 2	5.4	56
			WiFi 3	5.9	57
			WiFi 4	5.6	57
	5470-5725	UNII-2C	WiFi 1	6.8	60
			WiFi 2	6.9	56
			WiFi 3	7.3	56
			WiFi 4	6.2	56
	5725-5850	UNII-3	WiFi 1	6.6	56
			WiFi 2	6.9	52
			WiFi 3	6.6	51
			WiFi 4	5.9	51
	5850-5925	UNII-4	WiFi 1	5.9	55
			WiFi 2	5.0	51
			WiFi 3	5.5	51
			WiFi 4	5.2	52
	5925-6425	UNII-5	WiFi 1	5.4	46
			WiFi 2	4.7	47
			WiFi 3	5.5	46
			WiFi 4	5.1	46
	6425-6525	UNII-6	WiFi 1	3.5	43
			WiFi 2	3.8	47
			WiFi 3	4.3	44
			WiFi 4	3.6	49
	6525-6875	UNII-7	WiFi 1	4.8	42
			WiFi 2	5.7	45
			WiFi 3	5.2	44
			WiFi 4	5.4	44
6875-7125	UNII-8	WiFi 1	4.9	43	
		WiFi 2	5.8	45	
		WiFi 3	5.4	43	
		WiFi 4	4.6	41	

4x4 MiMo 4G/5G Dome Antenna Kit

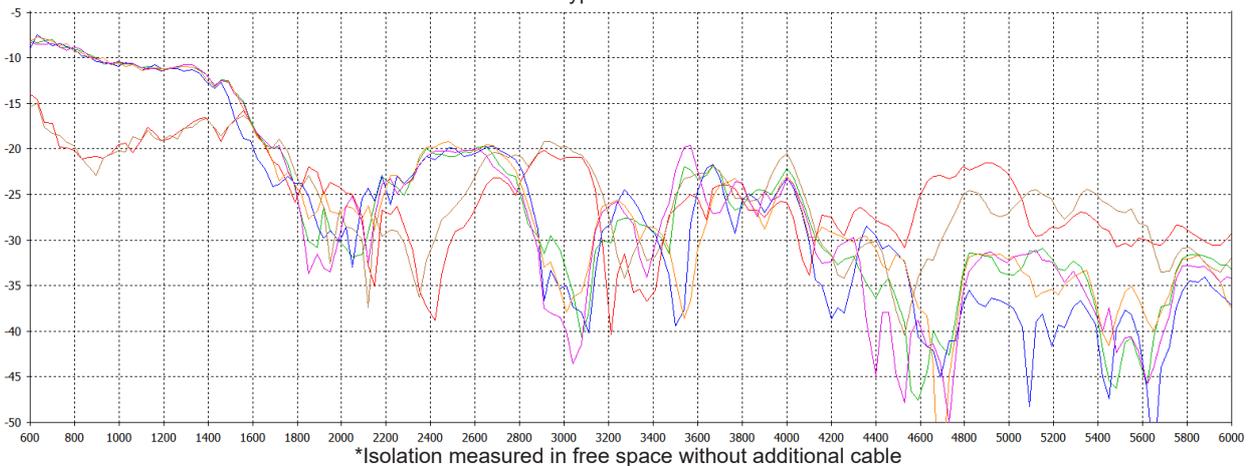
L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data Cell - Free Space

Typical VSWR*



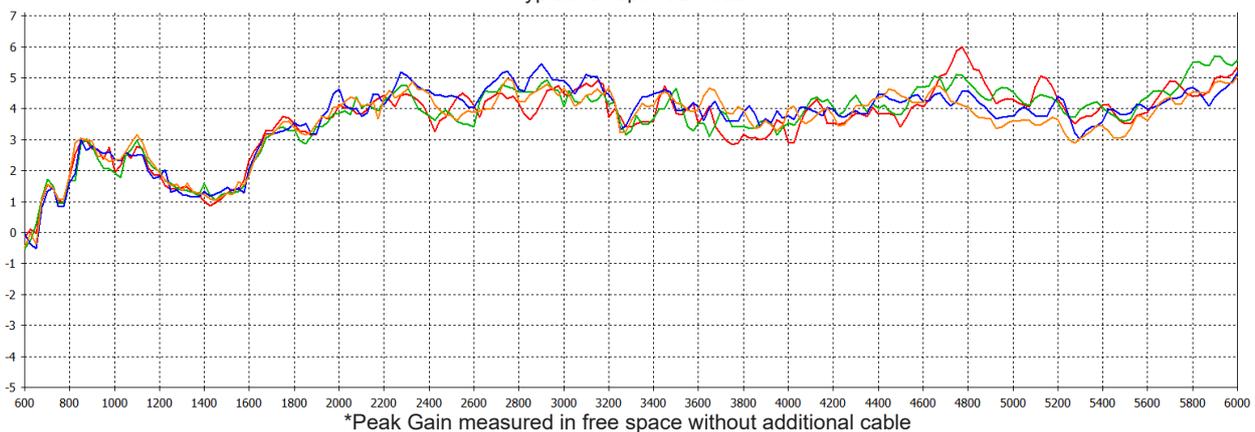
Typical Isolation*



Typical Efficiency*



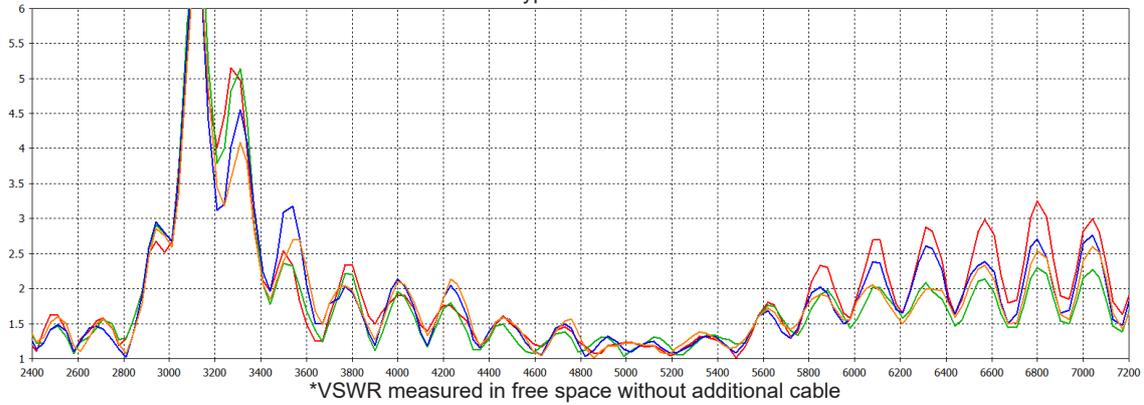
Typical Swept Peak Gain*



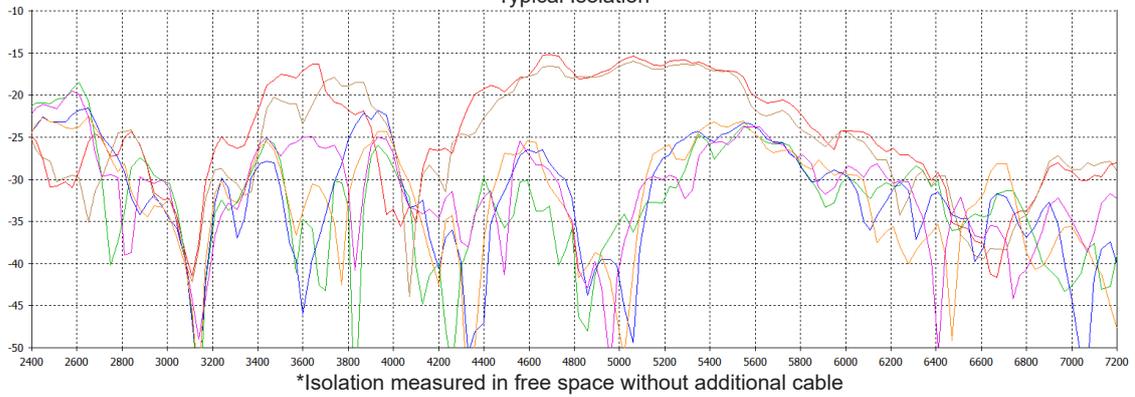
4x4 MiMo 4G/5G Dome Antenna Kit

L[X]M[X]M4[X]-6-60[-24-58]

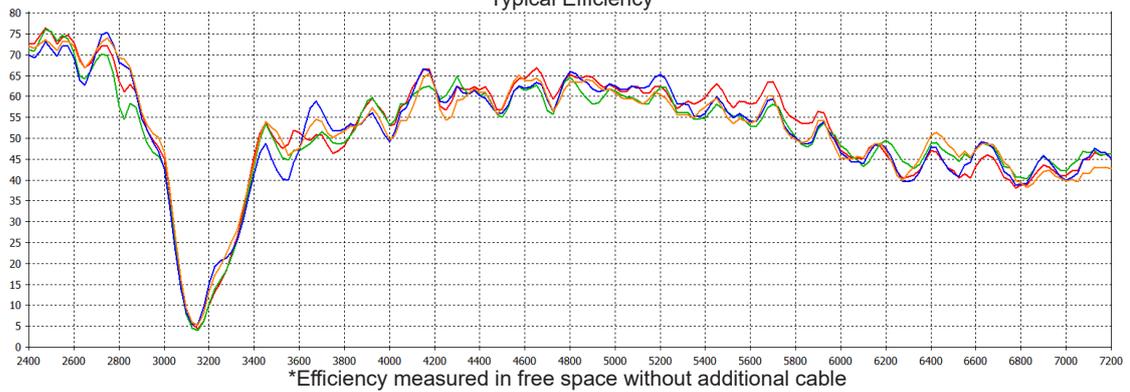
Typical VSWR*



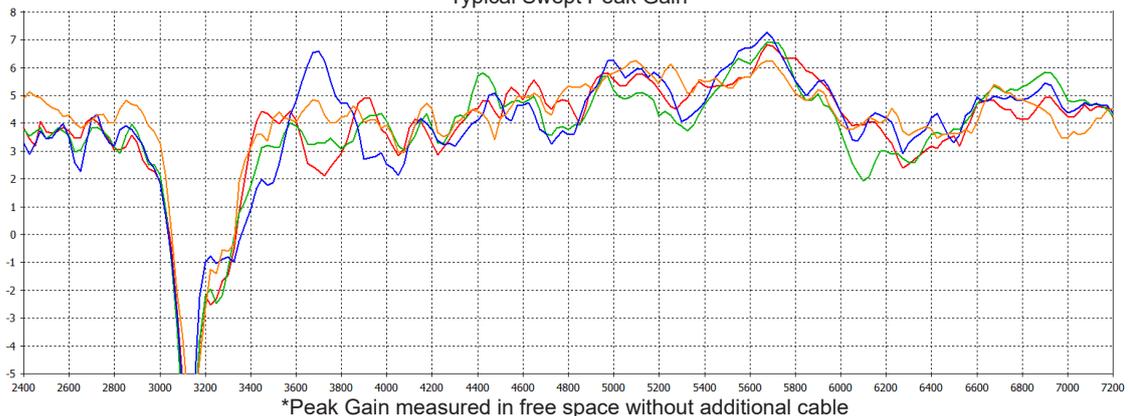
Typical Isolation*



Typical Efficiency*



Typical Swept Peak Gain*

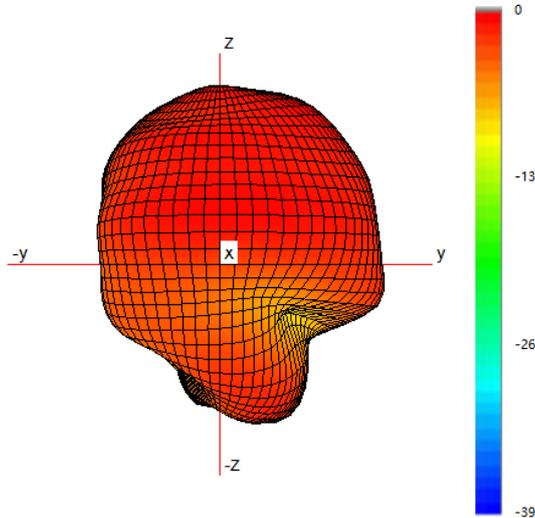


4x4 MiMo 4G/5G Dome Antenna Kit

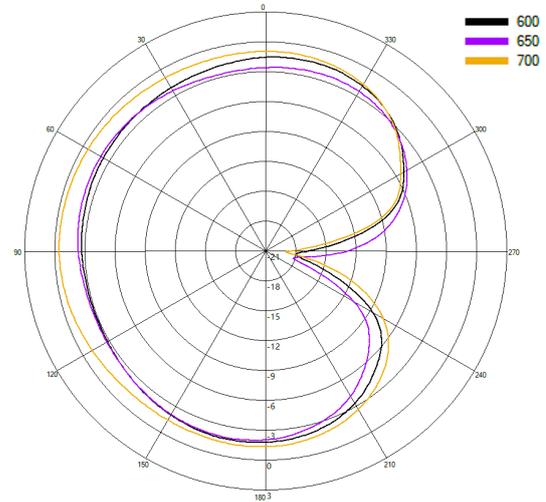
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell A

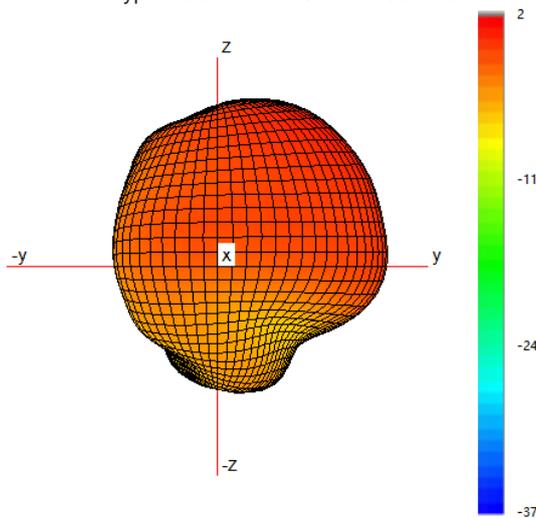
Typical 3D Pattern- Cell A - 650 MHz



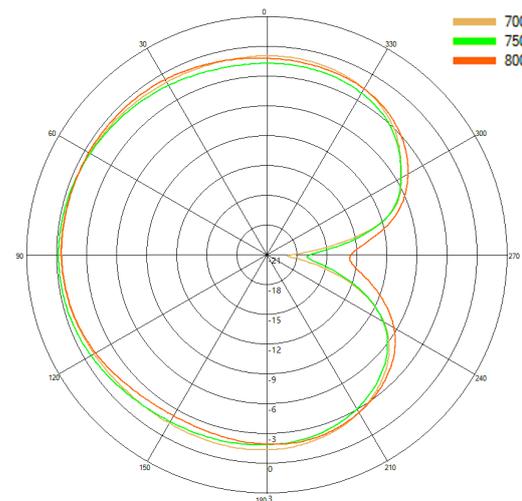
Typical H Plane- Cell A - Patterns- 600-700MHz



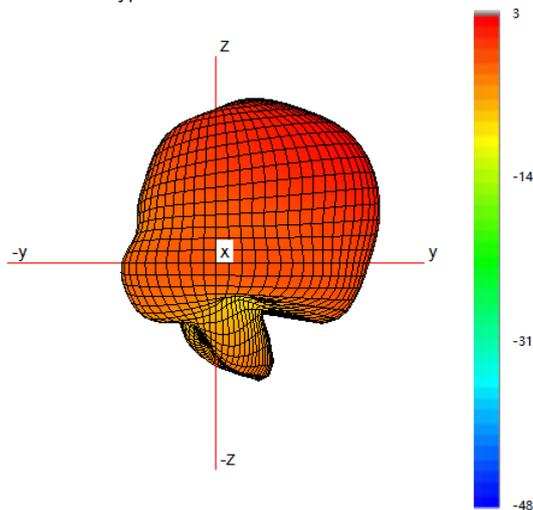
Typical 3D Pattern- Cell A - 750 MHz



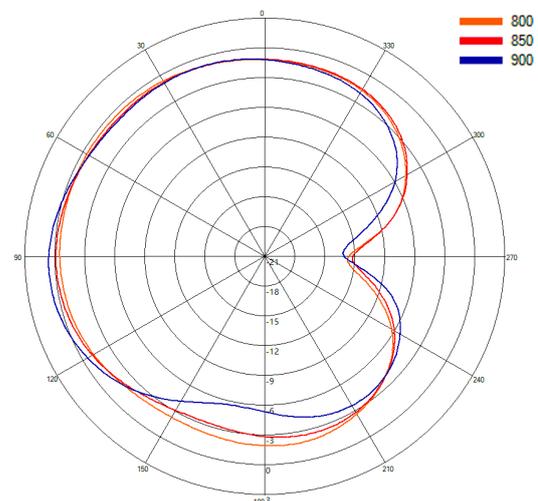
Typical H Plane- Cell A - Patterns- 700-800MHz



Typical 3D Pattern- Cell A - 850 MHz



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

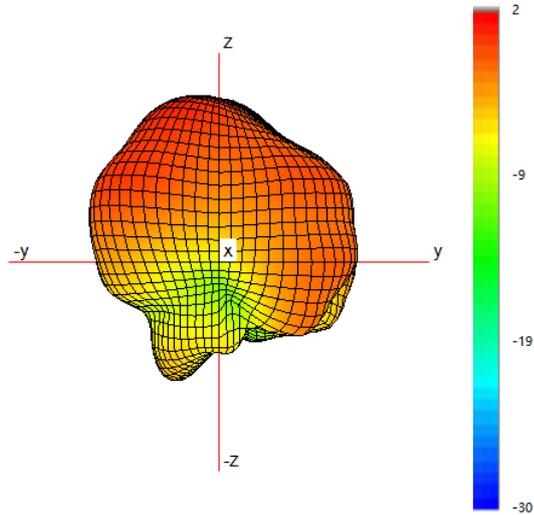


4x4 MiMo 4G/5G Dome Antenna Kit

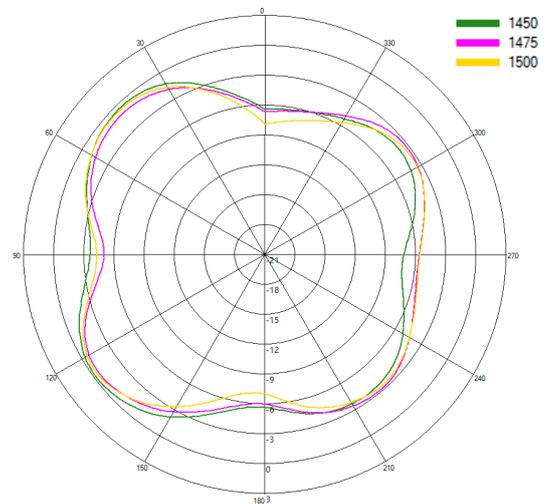
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell A

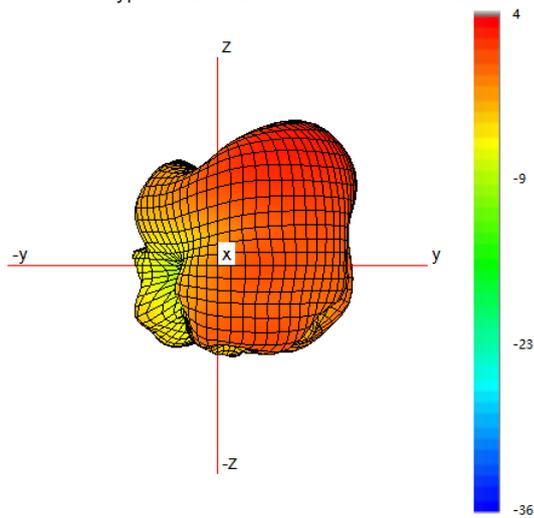
Typical 3D Pattern- Cell A - 1475 MHz



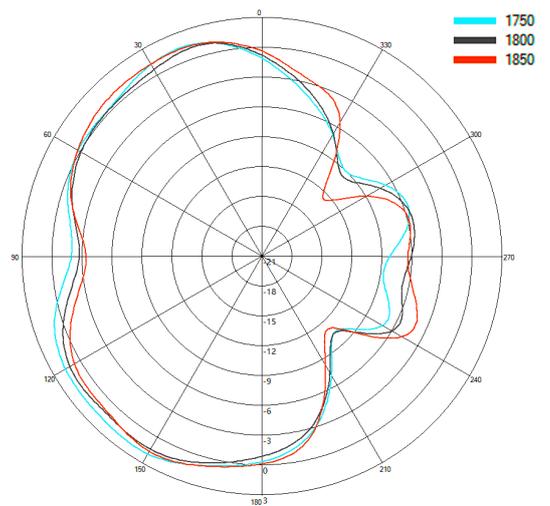
Typical H Plane- Cell A- Patterns- 1450-1500 MHz



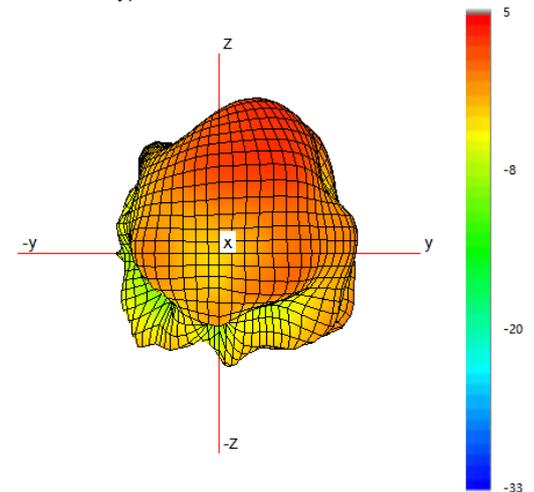
Typical 3D Pattern- Cell A - 1800 MHz



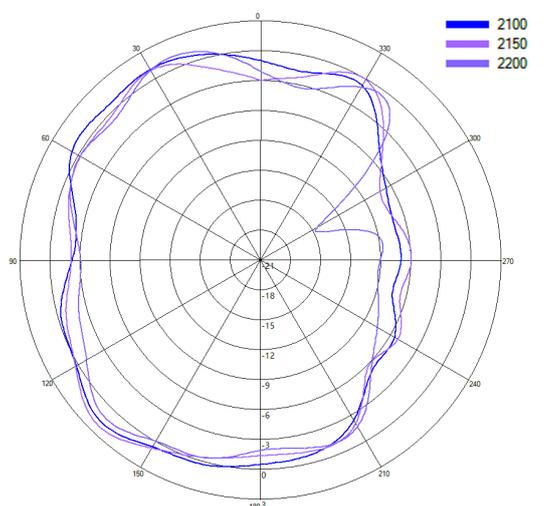
Typical H Plane- Cell A- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell A - 2150 MHz



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

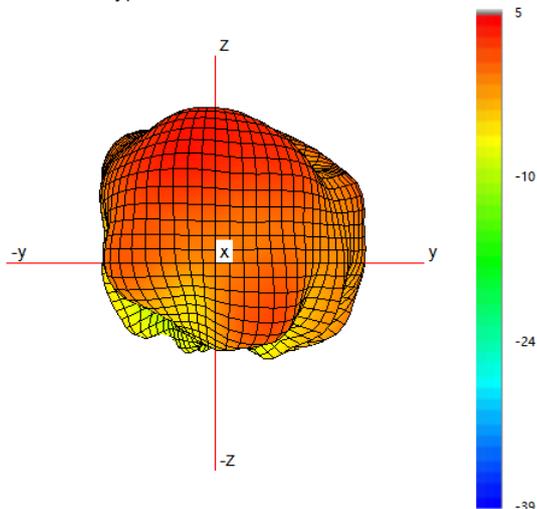


4x4 MiMo 4G/5G Dome Antenna Kit

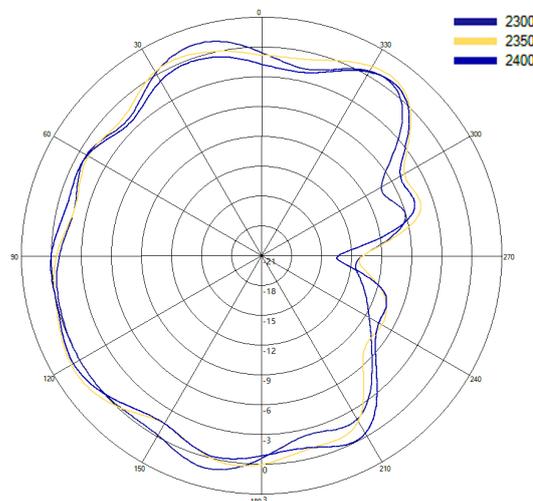
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell A

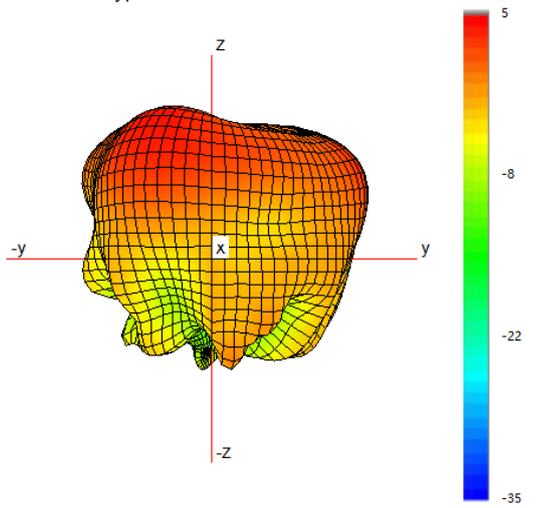
Typical 3D Pattern- Cell A - 2350 MHz



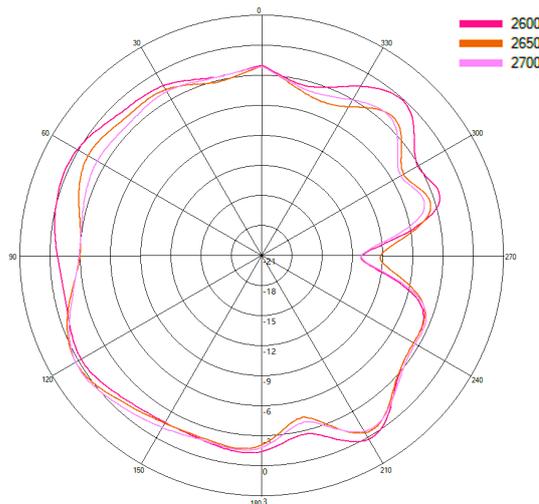
Typical H Plane- Cell A - Patterns- 2300-2400 MHz



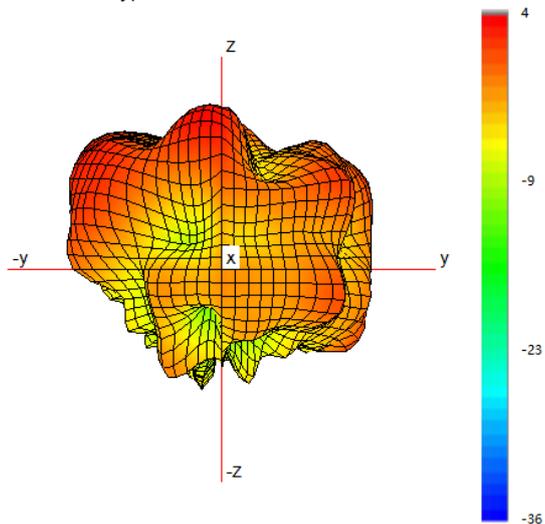
Typical 3D Pattern- Cell A - 2650 MHz



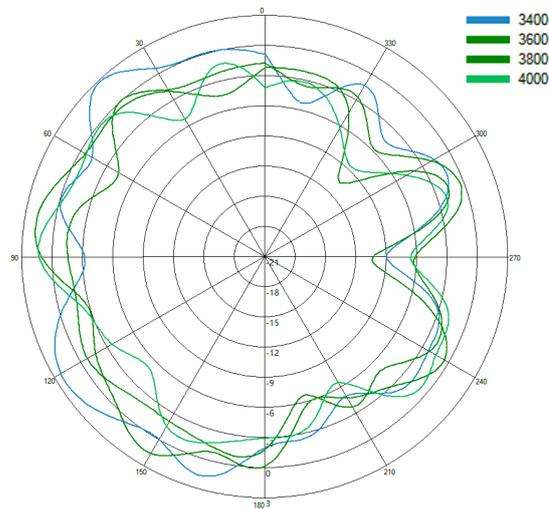
Typical H Plane- Cell A - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell A - 3600 MHz



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

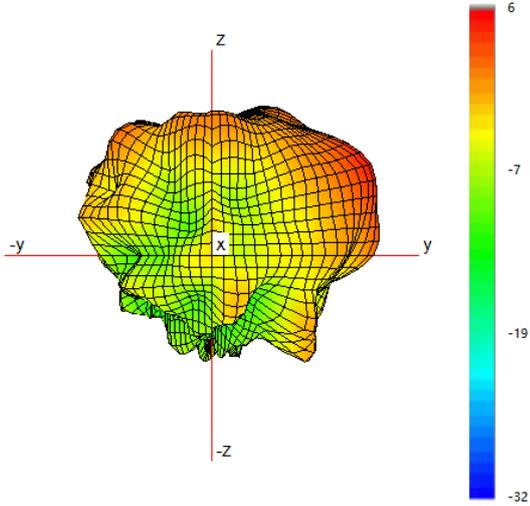


4x4 MiMo 4G/5G Dome Antenna Kit

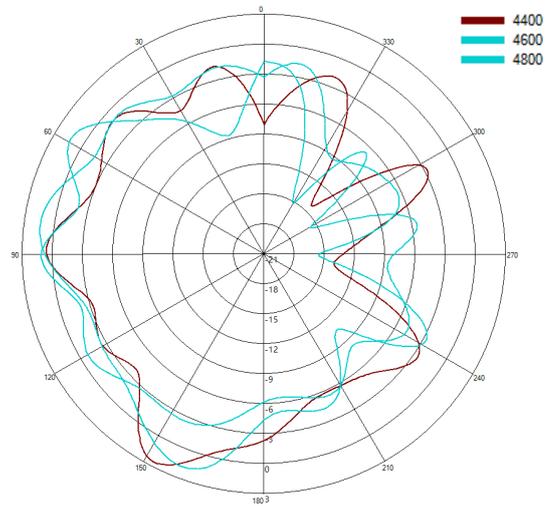
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell A

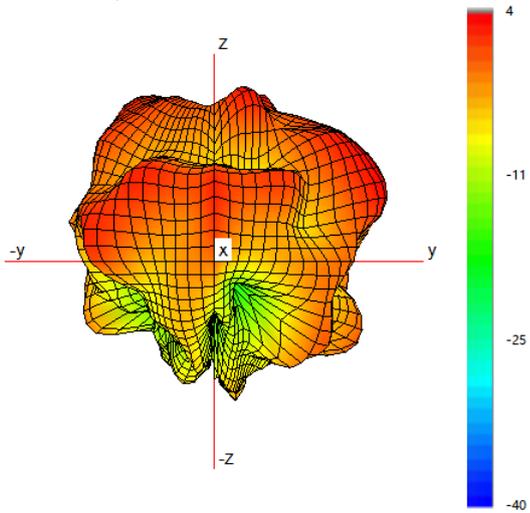
Typical 3D Pattern- Cell A - 4700 MHz



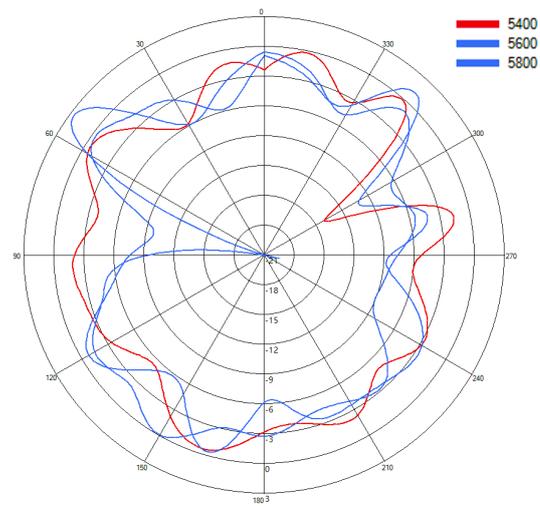
Typical H Plane- Cell A - Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell A - 5600 MHz



Typical H Plane- Cell A - Patterns- 5400-5800 MHz

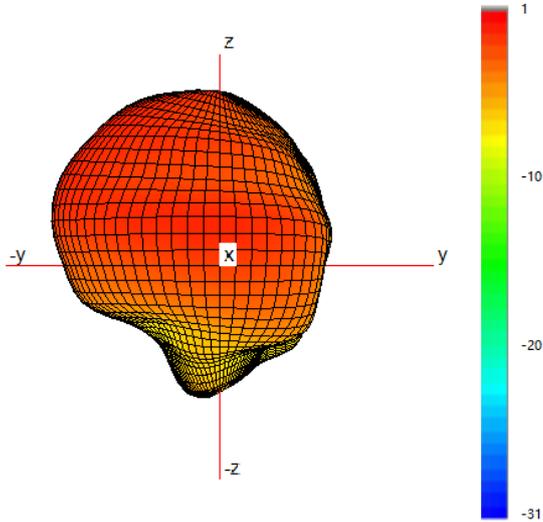


4x4 MiMo 4G/5G Dome Antenna Kit

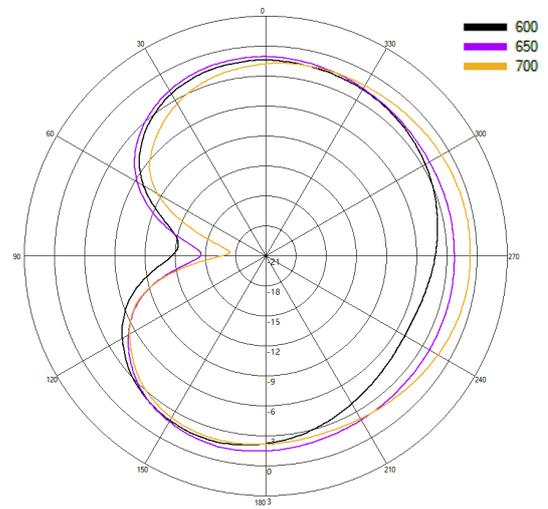
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell B

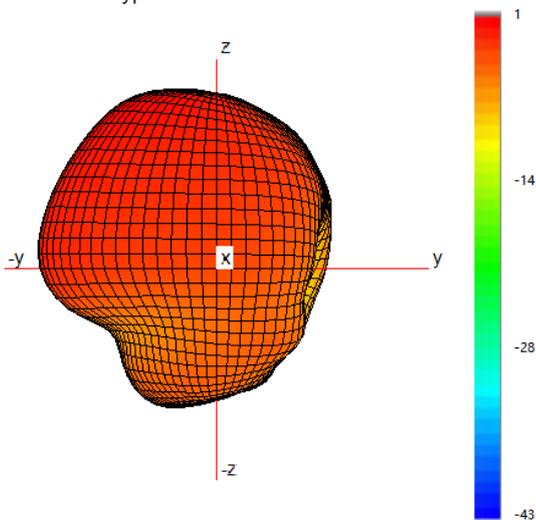
Typical 3D Pattern- Cell B - 650 MHz



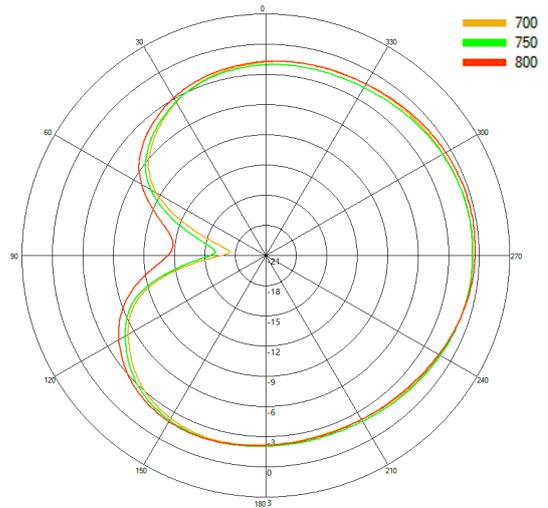
Typical H Plane- Cell B - Patterns- 600-700MHz



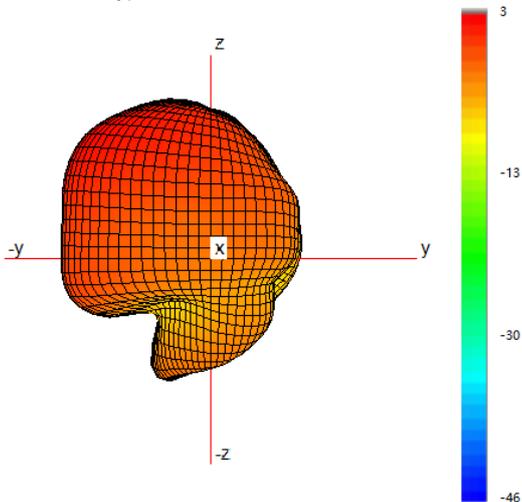
Typical 3D Pattern- Cell B - 750 MHz



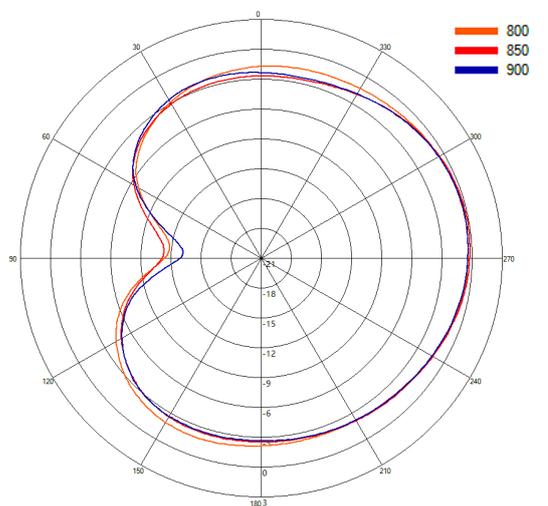
Typical H Plane- Cell B - Patterns- 700-800MHz



Typical 3D Pattern- Cell B - 850 MHz



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

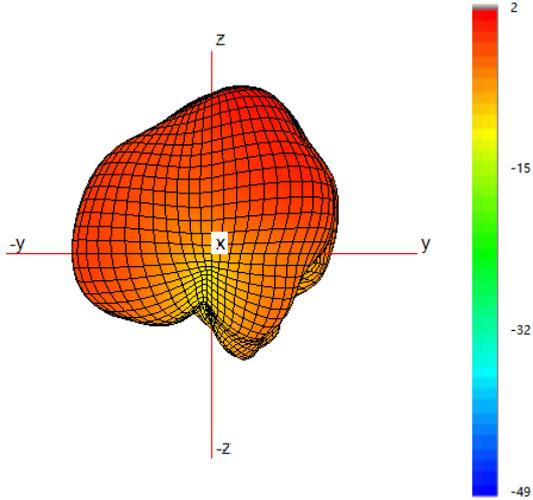


4x4 MiMo 4G/5G Dome Antenna Kit

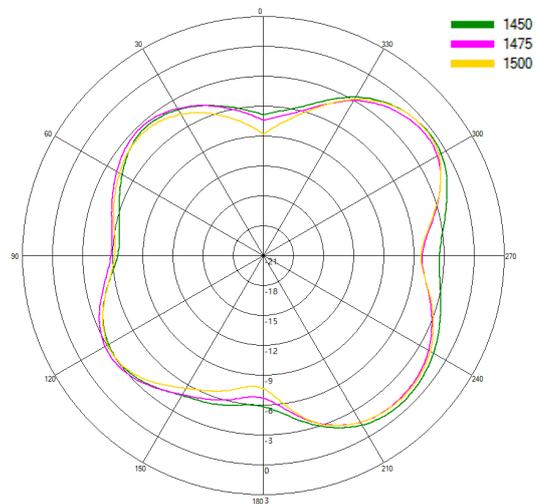
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell B

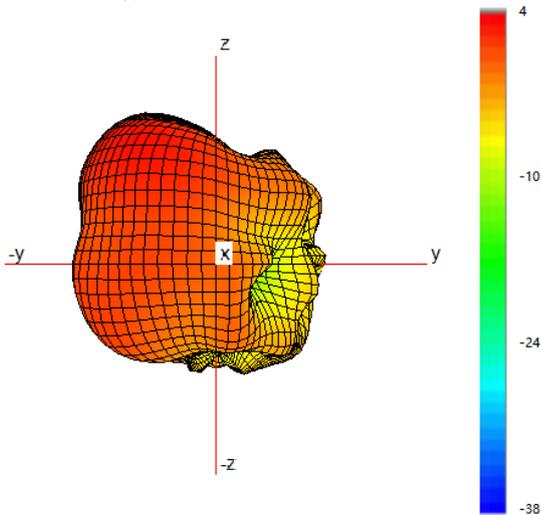
Typical 3D Pattern- Cell B - 1475 MHz



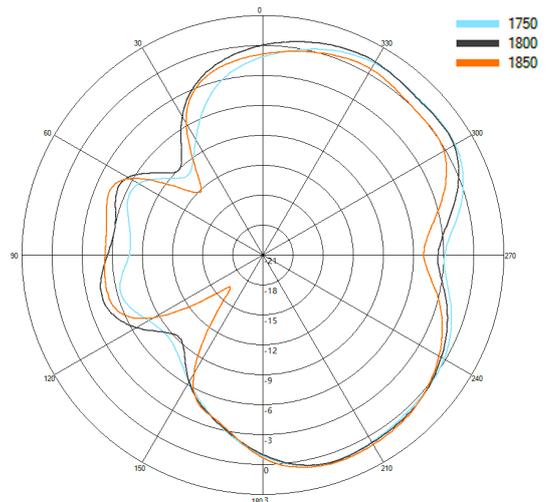
Typical H Plane- Cell B- Patterns- 1450-1500 MHz



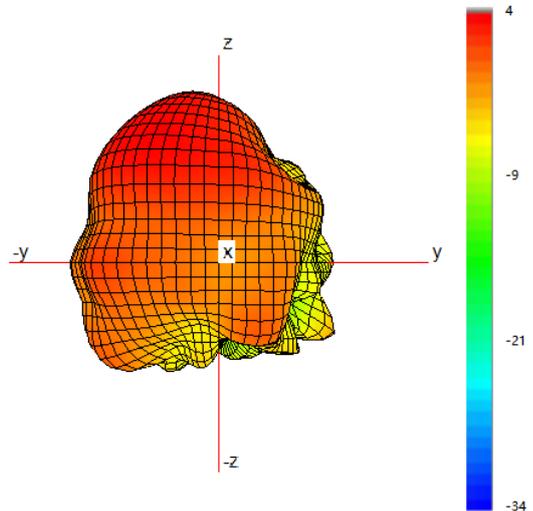
Typical 3D Pattern- Cell B - 1800 MHz



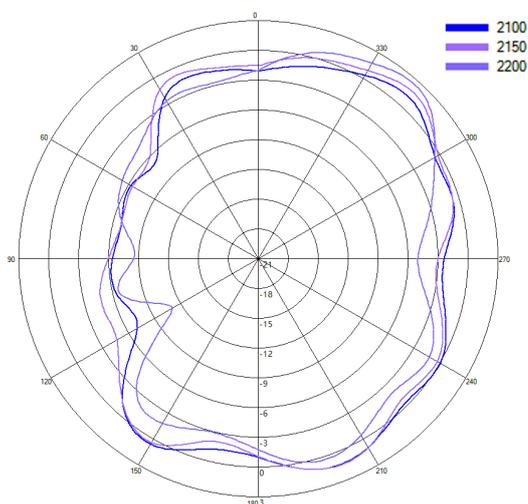
Typical H Plane- Cell B- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell B - 2150 MHz



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

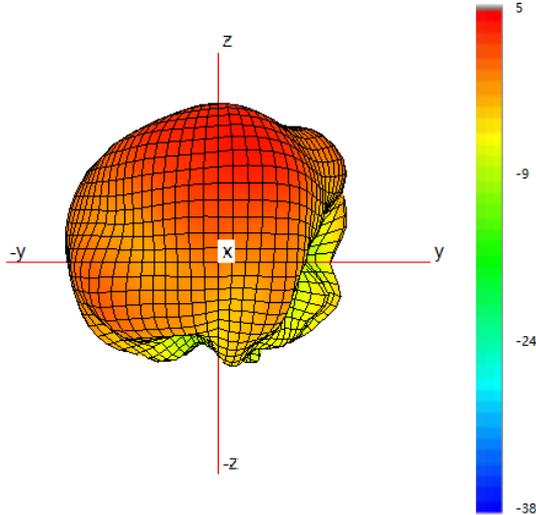


4x4 MiMo 4G/5G Dome Antenna Kit

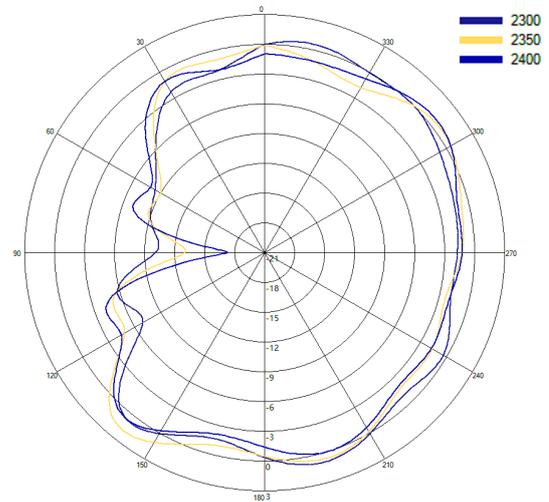
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell B

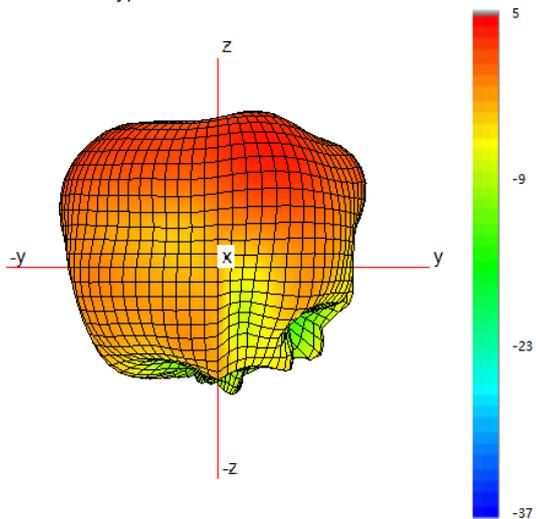
Typical 3D Pattern- Cell B - 2350 MHz



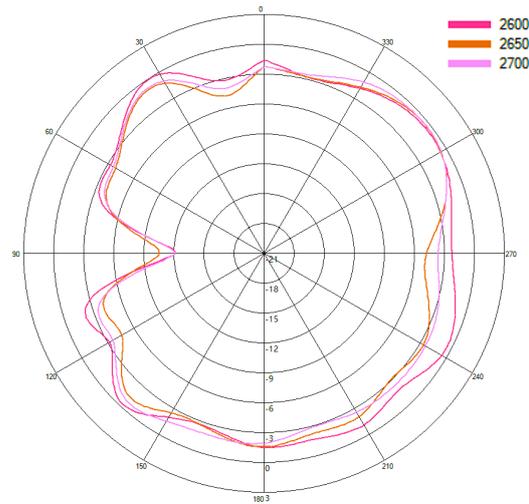
Typical H Plane- Cell B - Patterns- 2300-2400 MHz



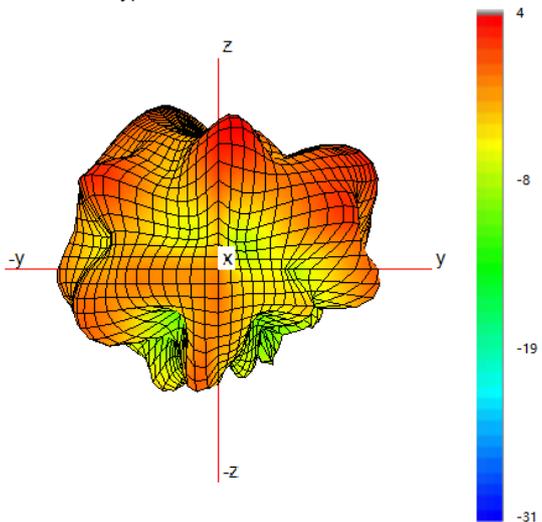
Typical 3D Pattern- Cell B - 2650 MHz



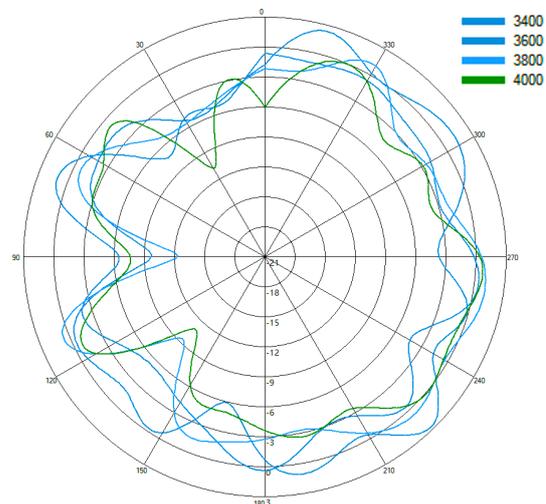
Typical H Plane- Cell B - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell B - 3600 MHz



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

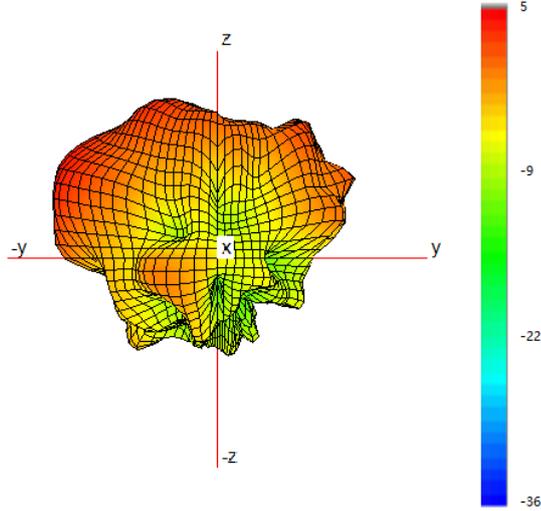


4x4 MiMo 4G/5G Dome Antenna Kit

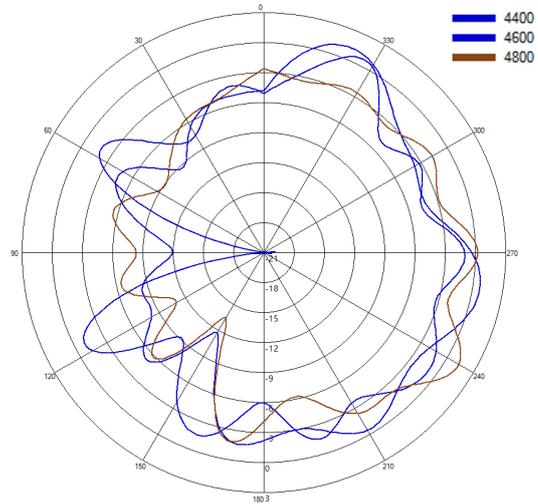
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell B

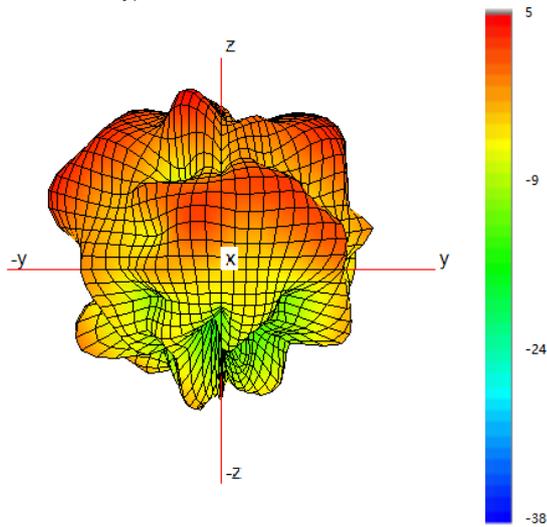
Typical 3D Pattern- Cell B - 4700 MHz



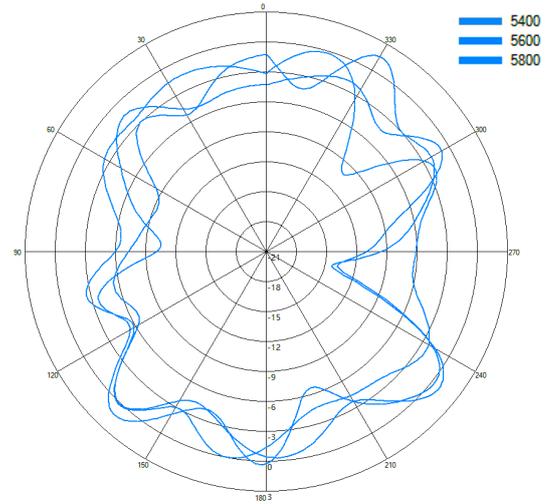
Typical H Plane- Cell B- Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell B - 5600 MHz



Typical H Plane- Cell B - Patterns- 5400-5800 MHz

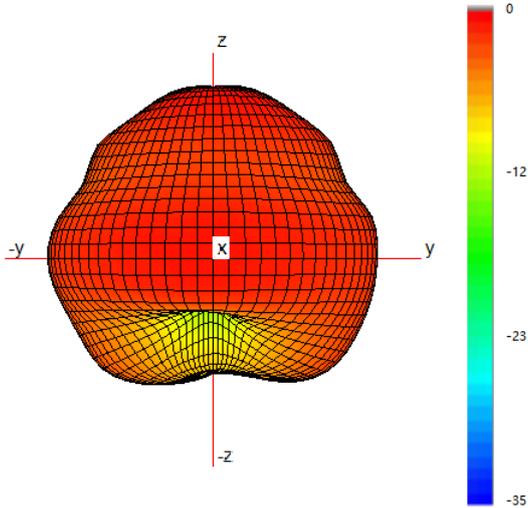


4x4 MiMo 4G/5G Dome Antenna Kit

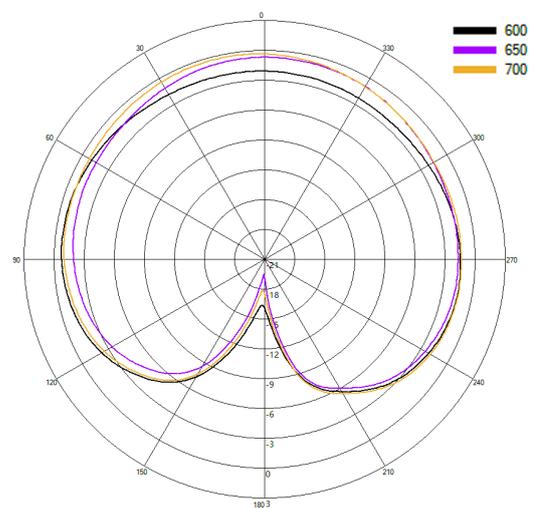
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell C

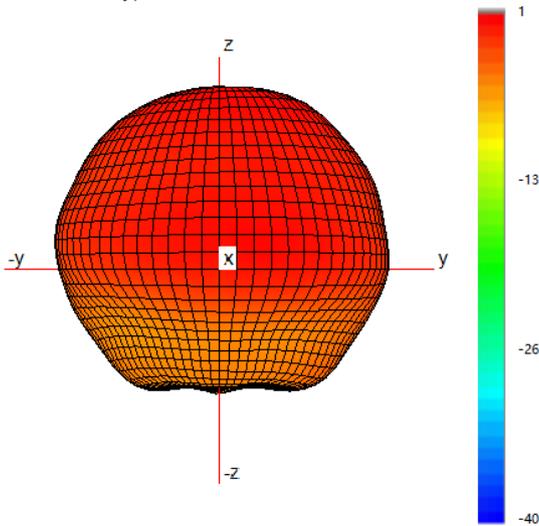
Typical 3D Pattern- Cell C - 650 MHz



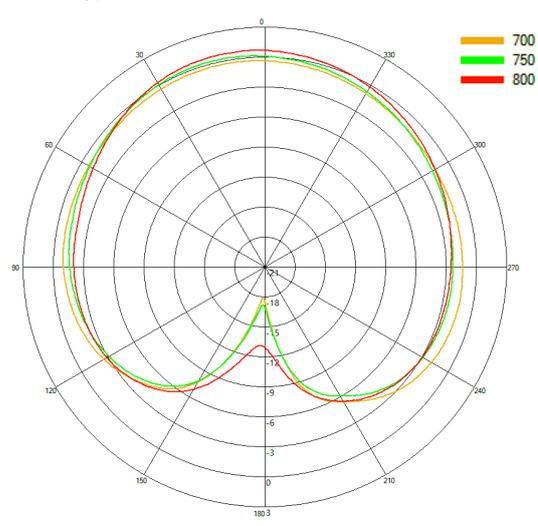
Typical H Plane- Cell C - Patterns- 600-700MHz



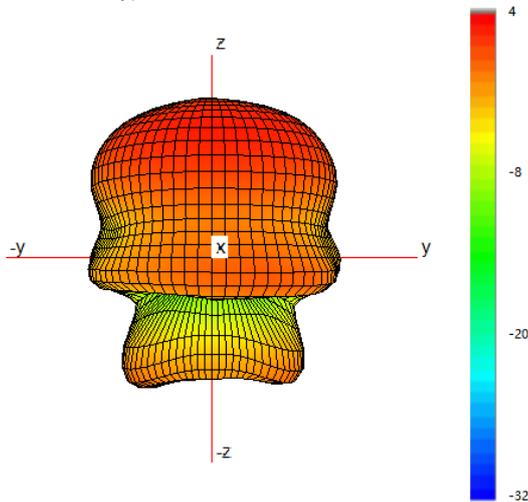
Typical 3D Pattern- Cell C - 750 MHz



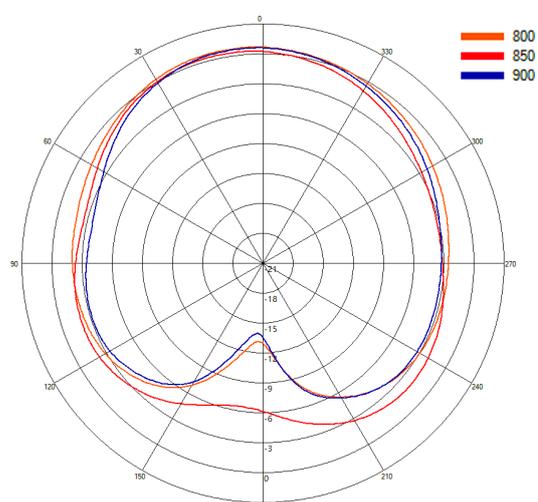
Typical H Plane- Cell C - Patterns- 700-800MHz



Typical 3D Pattern- Cell C - 850 MHz



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

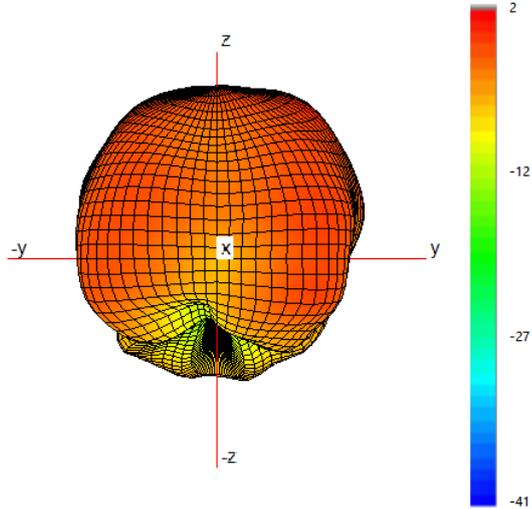


4x4 MiMo 4G/5G Dome Antenna Kit

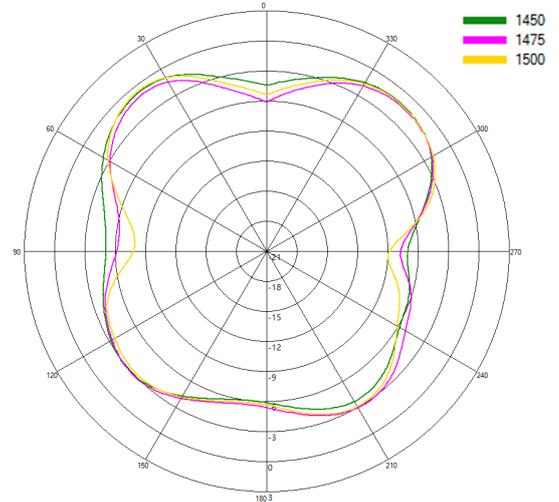
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell C

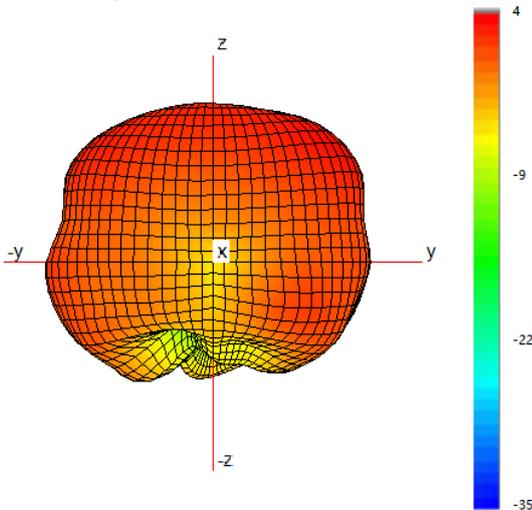
Typical 3D Pattern- Cell C - 1475 MHz



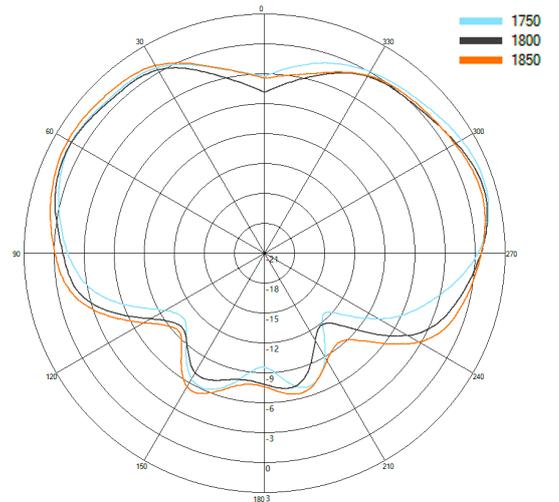
Typical H Plane- Cell C- Patterns- 1450-1500 MHz



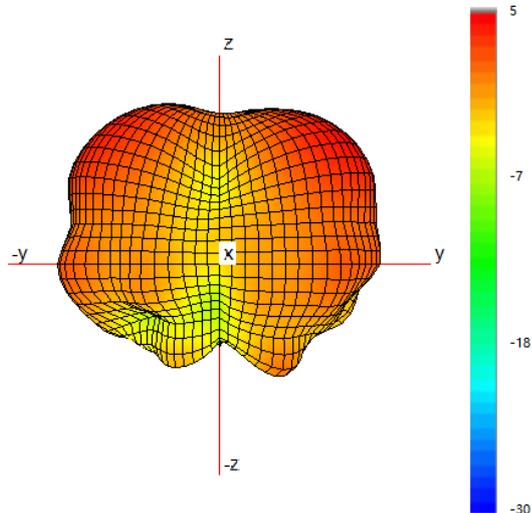
Typical 3D Pattern- Cell C - 1800 MHz



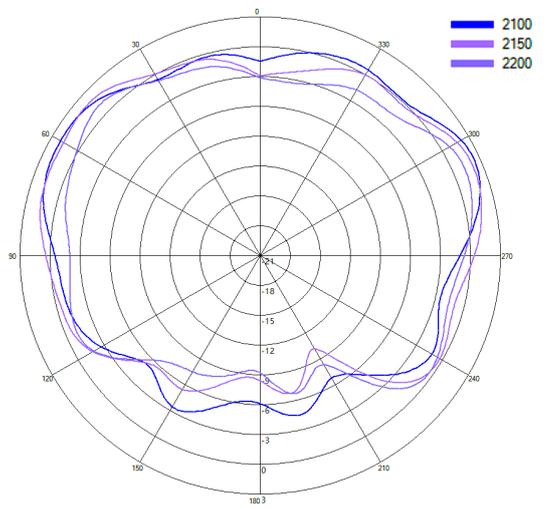
Typical H Plane- Cell C- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell C - 2150 MHz



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

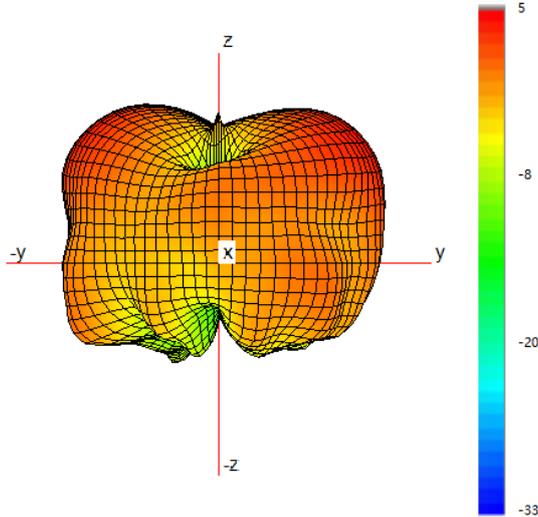


4x4 MiMo 4G/5G Dome Antenna Kit

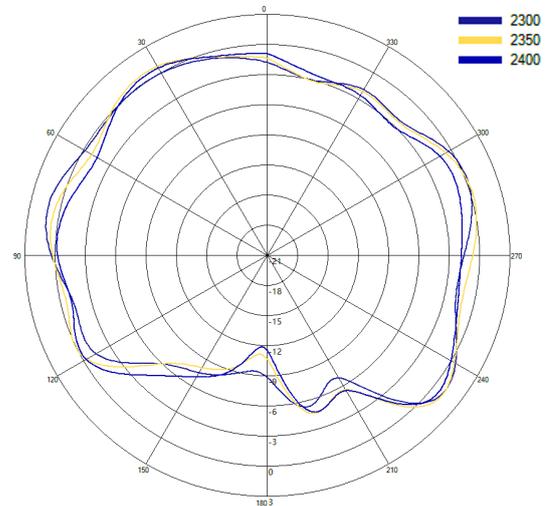
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell C

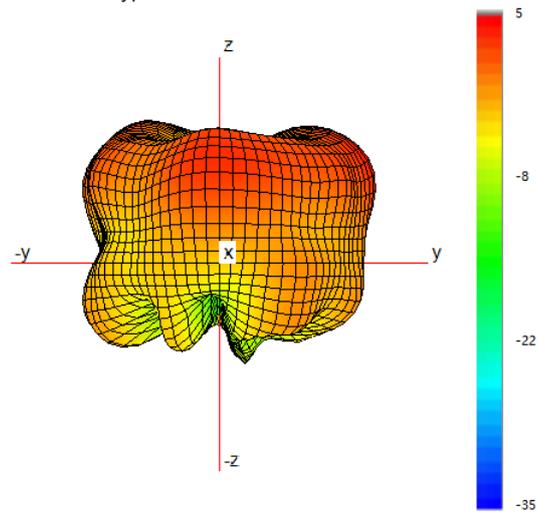
Typical 3D Pattern- Cell C - 2350 MHz



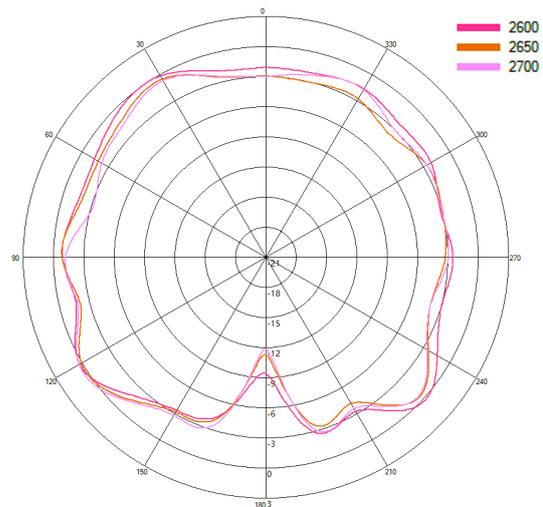
Typical H Plane- Cell C - Patterns- 2300-2400 MHz



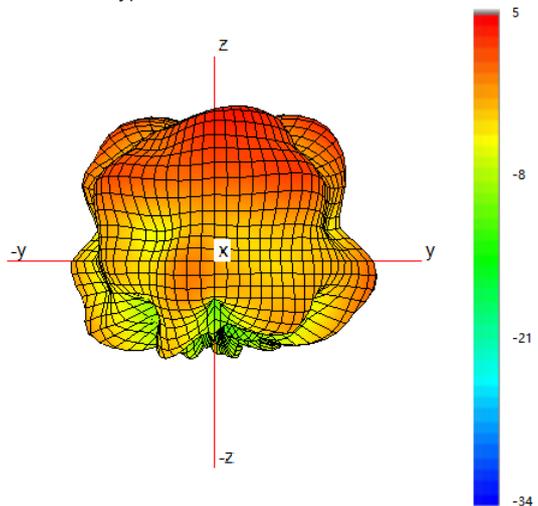
Typical 3D Pattern- Cell C - 2650 MHz



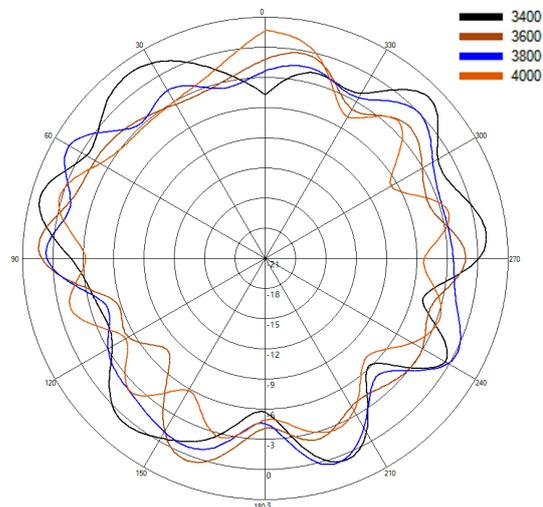
Typical H Plane- Cell C - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell C - 3600 MHz



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

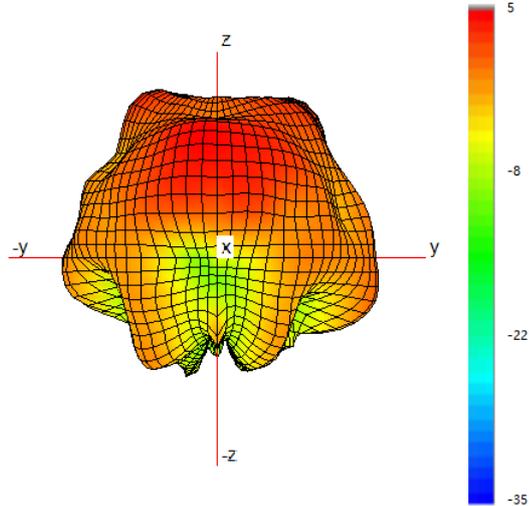


4x4 MiMo 4G/5G Dome Antenna Kit

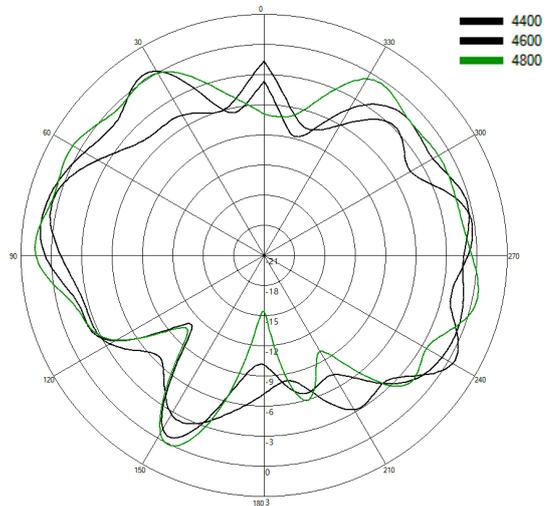
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell C

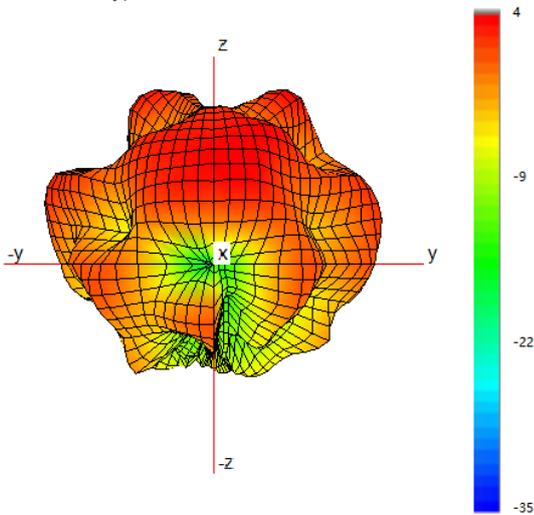
Typical 3D Pattern- Cell C - 4700 MHz



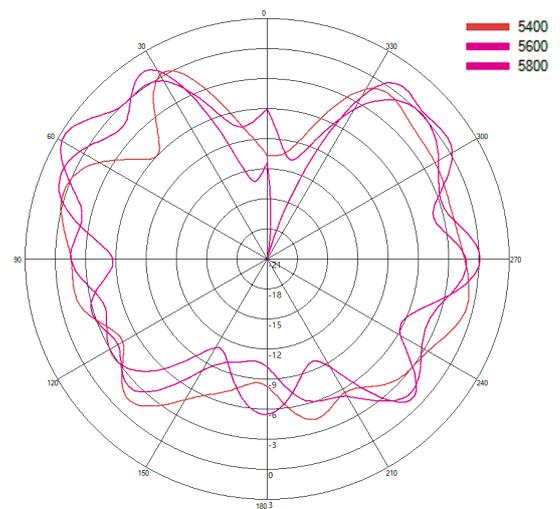
Typical H Plane- Cell C- Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell C - 5600 MHz



Typical H Plane- Cell C - Patterns- 5400-5800 MHz

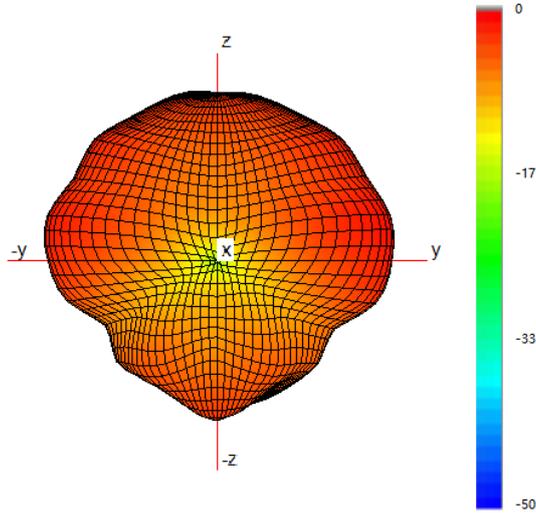


4x4 MiMo 4G/5G Dome Antenna Kit

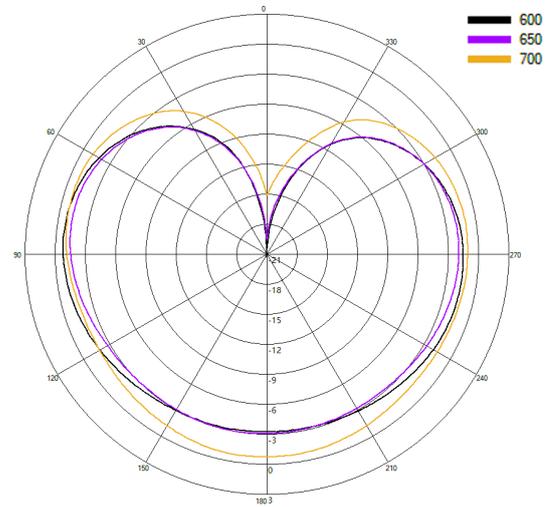
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell D

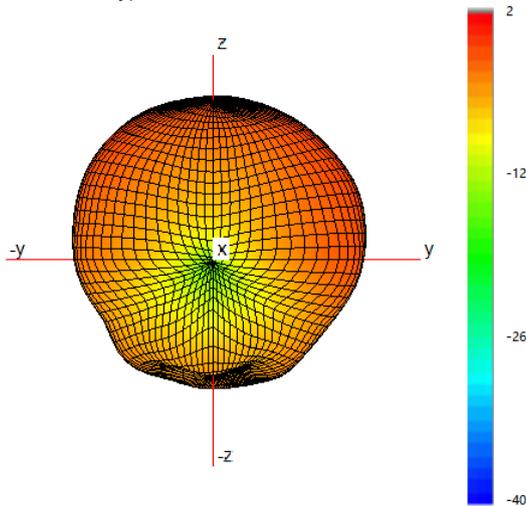
Typical 3D Pattern- Cell D - 650 MHz



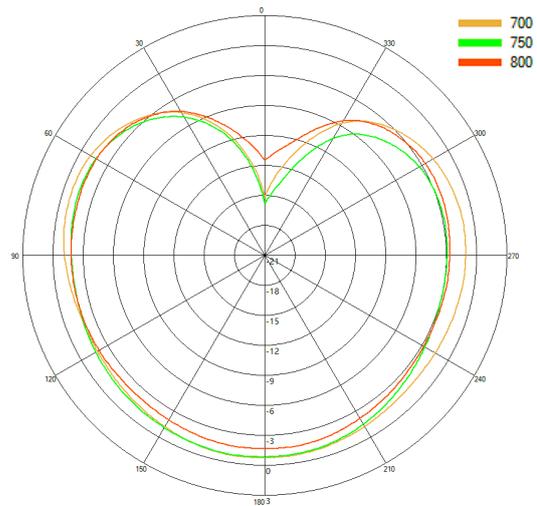
Typical H Plane- Cell D - Patterns- 600-700MHz



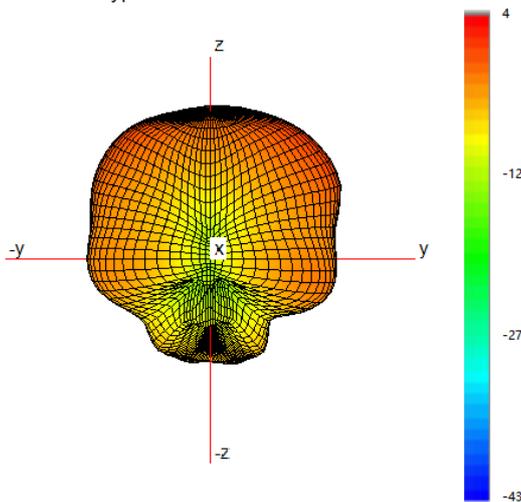
Typical 3D Pattern- Cell D - 750 MHz



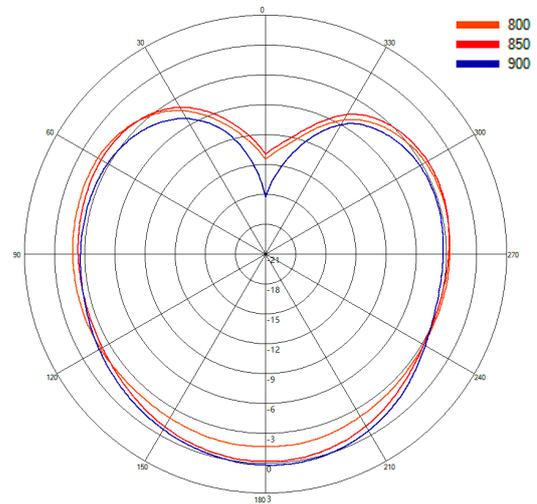
Typical H Plane- Cell D - Patterns- 700-800MHz



Typical 3D Pattern- Cell D - 850 MHz



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

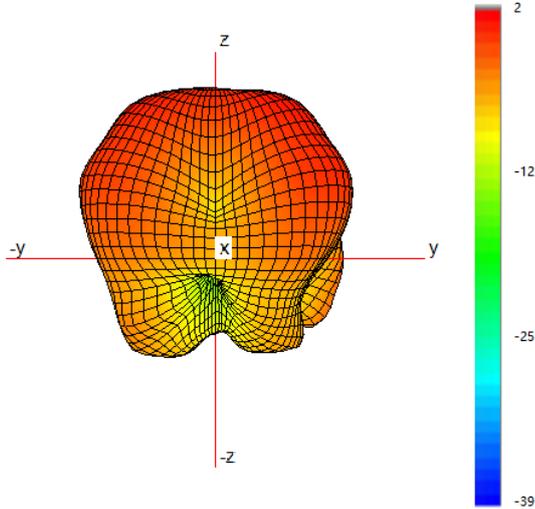


4x4 MiMo 4G/5G Dome Antenna Kit

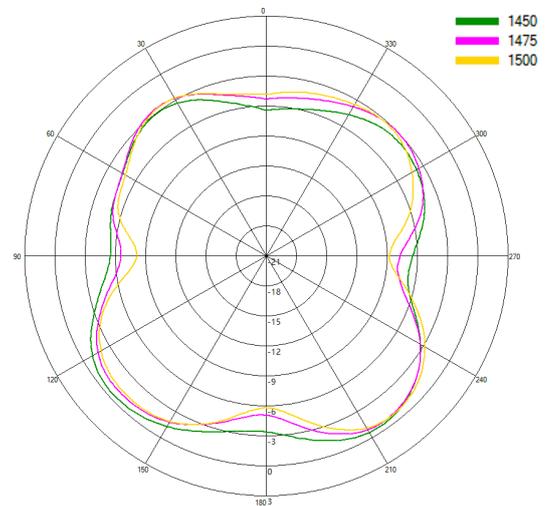
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell D

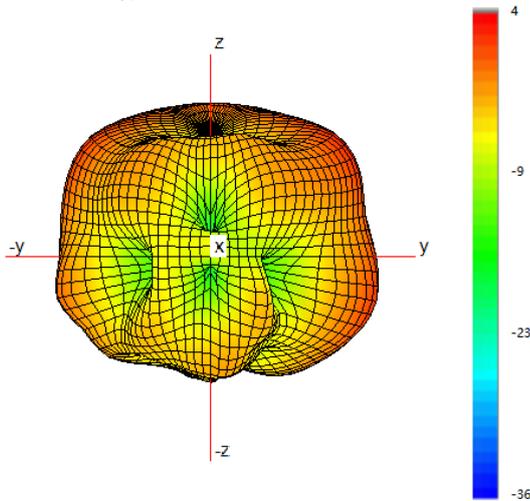
Typical 3D Pattern- Cell D - 1475 MHz



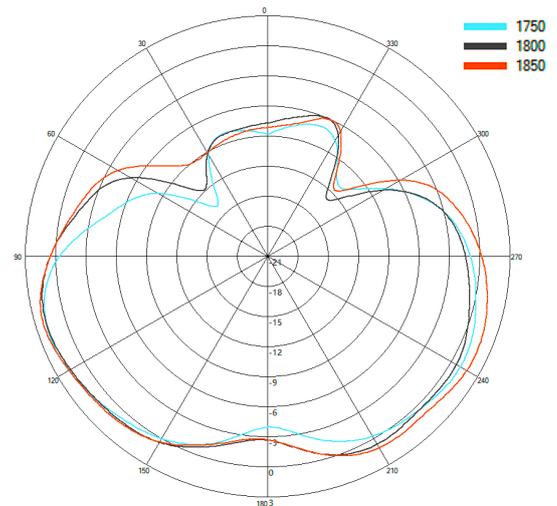
Typical H Plane- Cell D- Patterns- 1450-1500 MHz



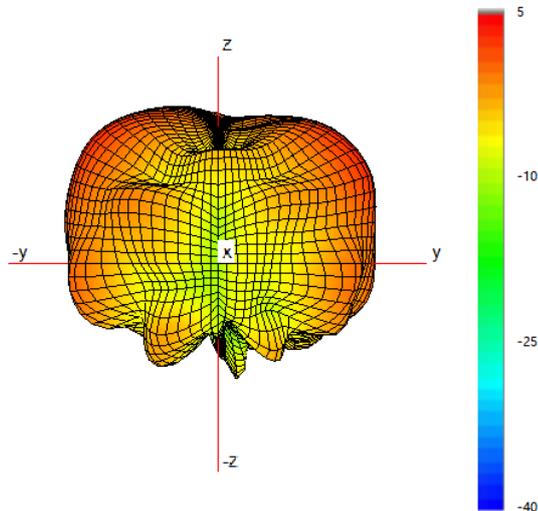
Typical 3D Pattern- Cell D- 1800 MHz



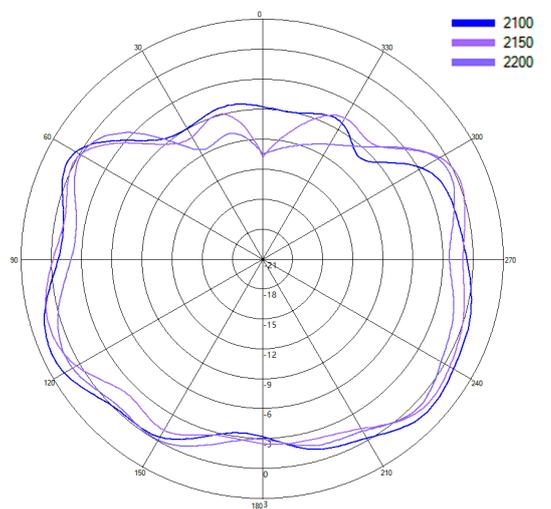
Typical H Plane- Cell D- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell D - 2150 MHz



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

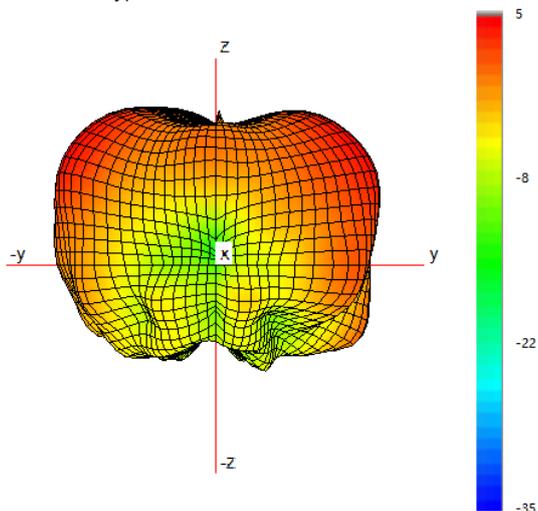


4x4 MiMo 4G/5G Dome Antenna Kit

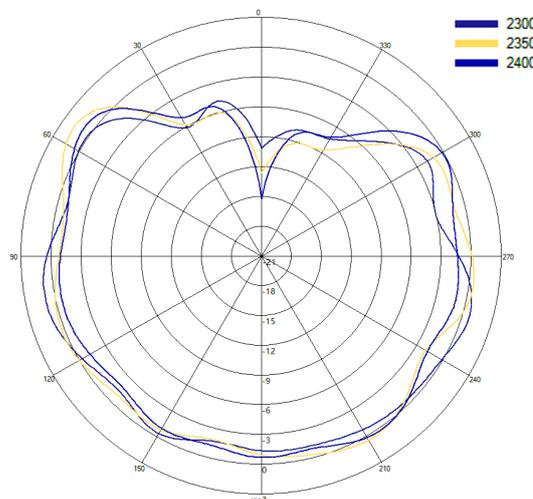
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell D

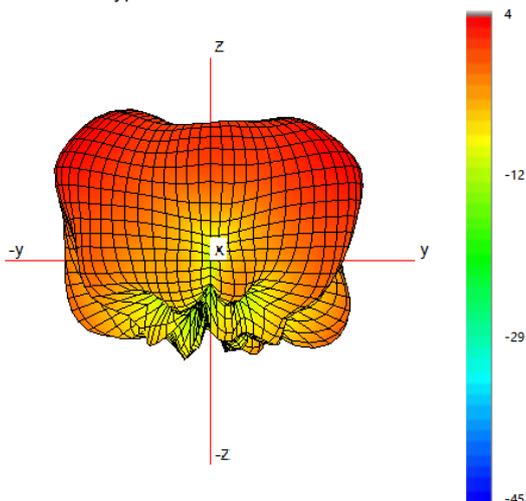
Typical 3D Pattern- Cell D - 2350 MHz



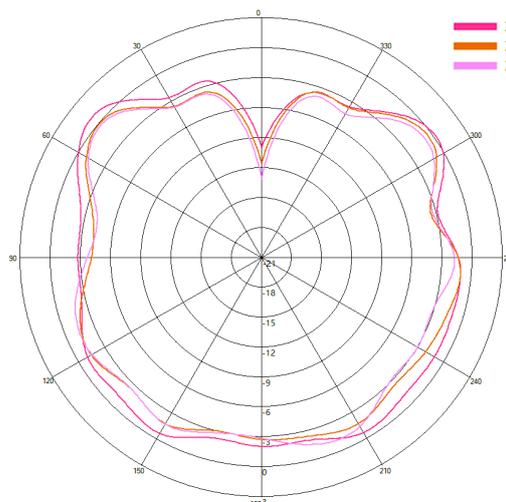
Typical H Plane- Cell D - Patterns- 2300-2400 MHz



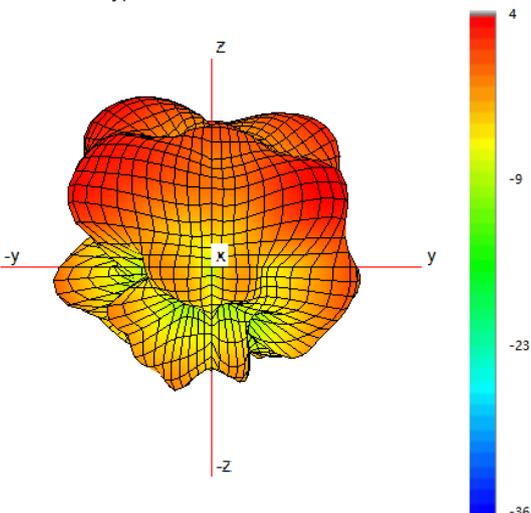
Typical 3D Pattern- Cell D - 2650 MHz



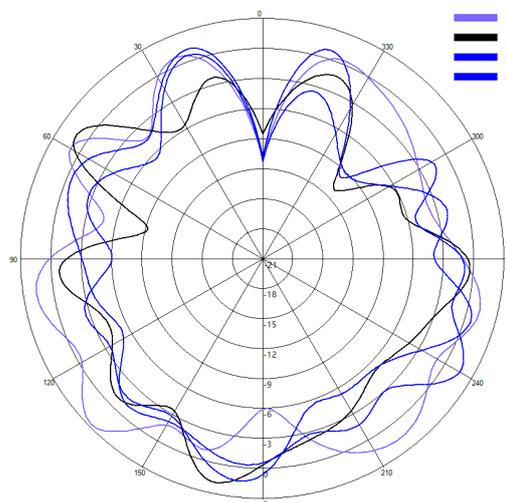
Typical H Plane- Cell D - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell D - 3600 MHz



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

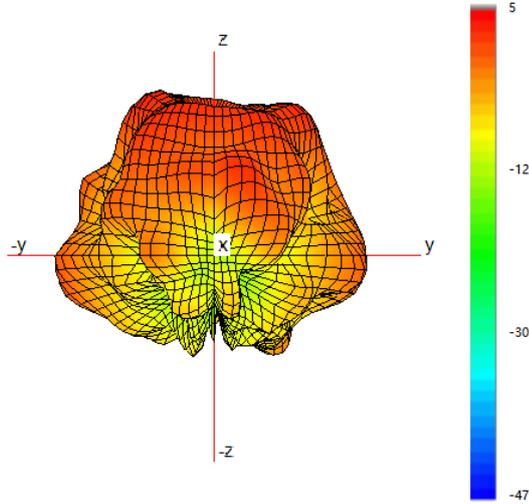


4x4 MiMo 4G/5G Dome Antenna Kit

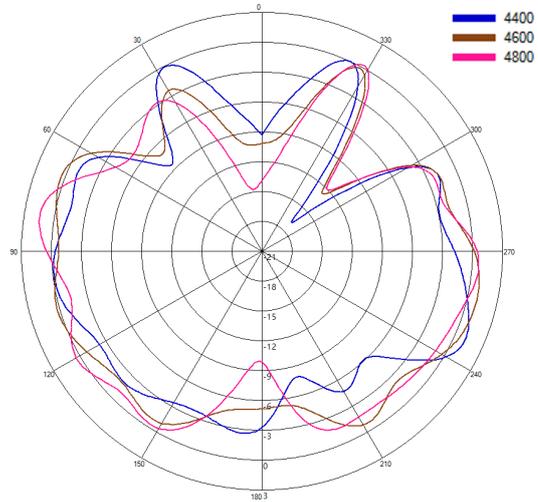
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space Cell D

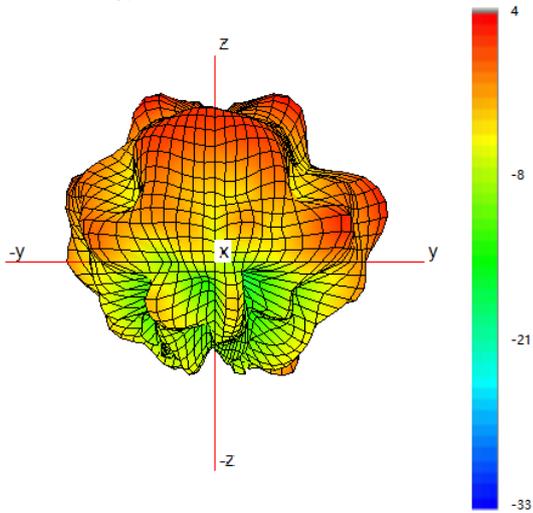
Typical 3D Pattern- Cell D - 4700 MHz



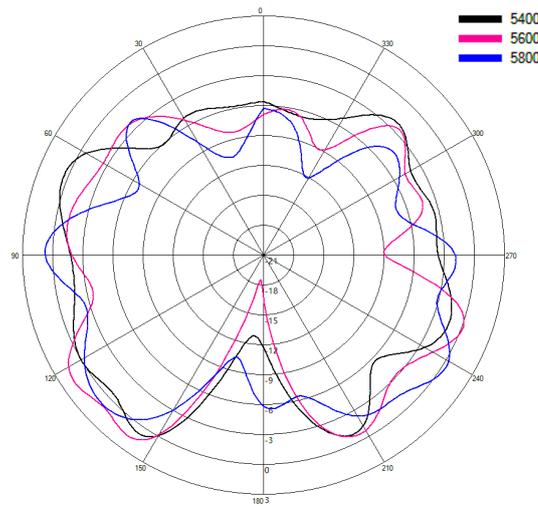
Typical H Plane- Cell D- Patterns- 4400-4800 MHz



Typical 3D Pattern- Cell D - 5600 MHz



Typical H Plane- Cell D - Patterns- 5400-5800 MHz

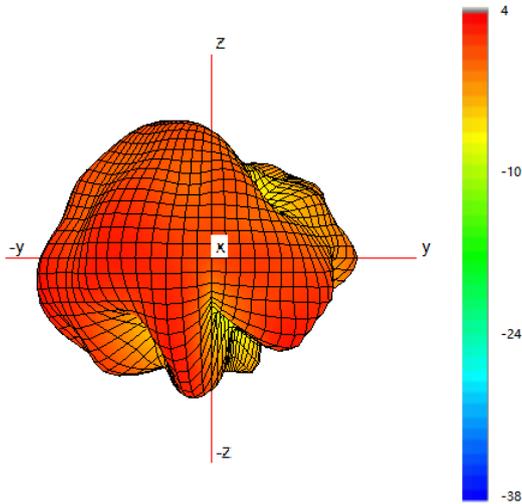


4x4 MiMo 4G/5G Dome Antenna Kit

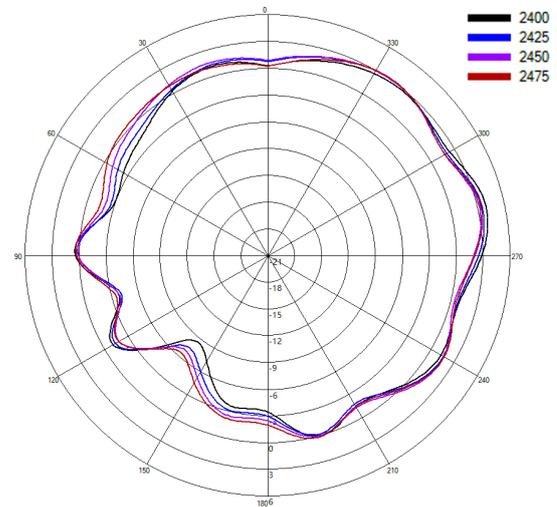
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space WiFi - 1

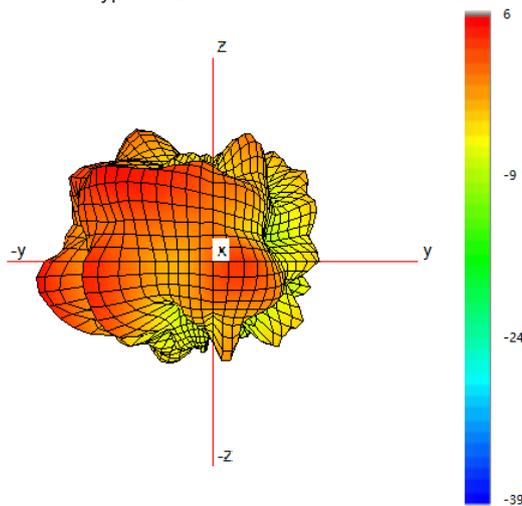
Typical 3D Pattern- WiFi - 1 - 2450 MHz



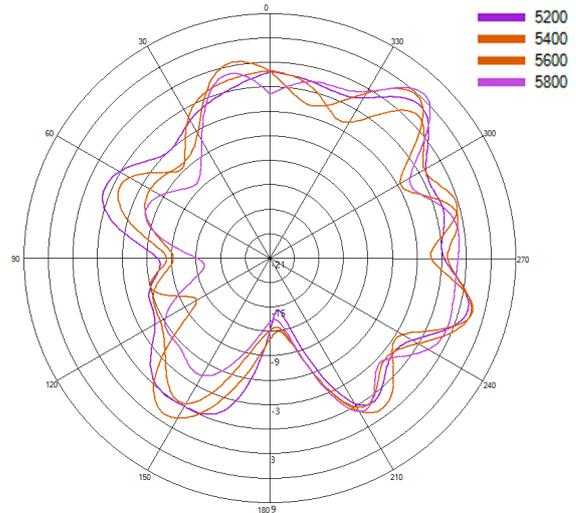
Typical H Plane- WiFi - 1 - Patterns- 2400-2475MHz



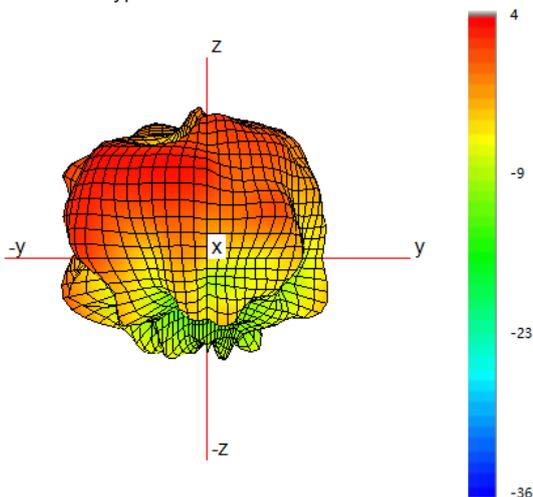
Typical 3D Pattern- WiFi - 1 - 5500 MHz



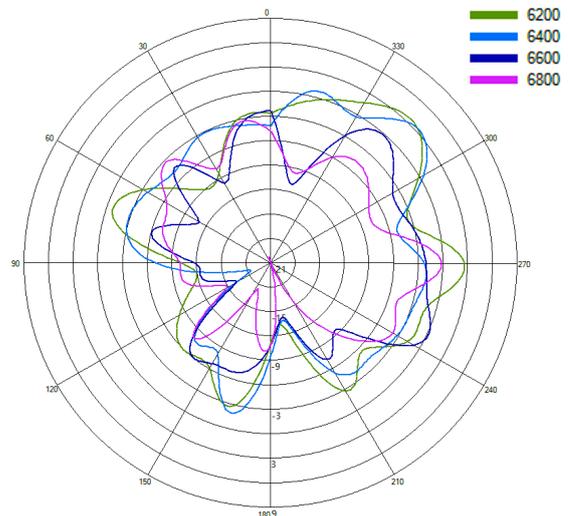
Typical H Plane- WiFi - 1 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 1 - 6500 MHz



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

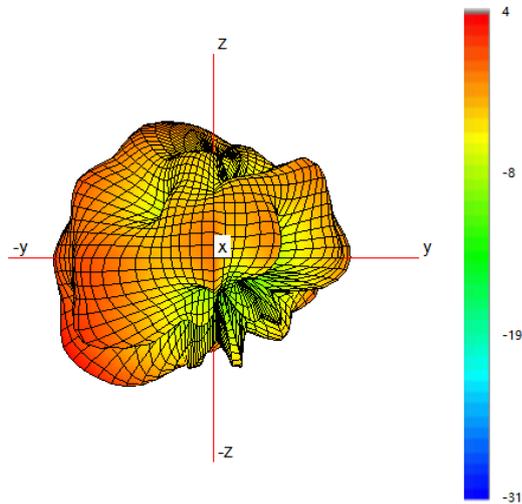


4x4 MiMo 4G/5G Dome Antenna Kit

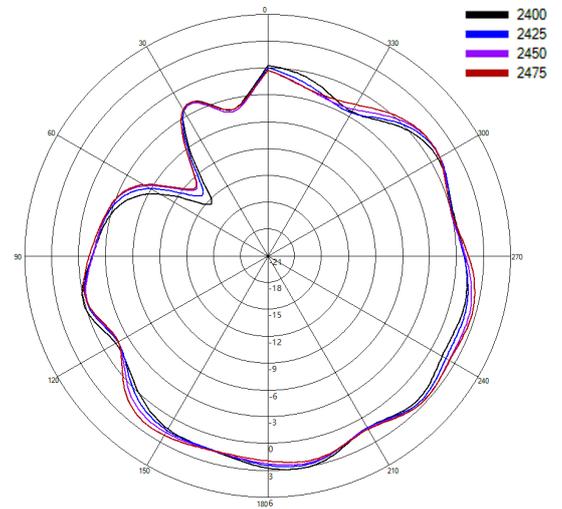
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space WiFi - 2

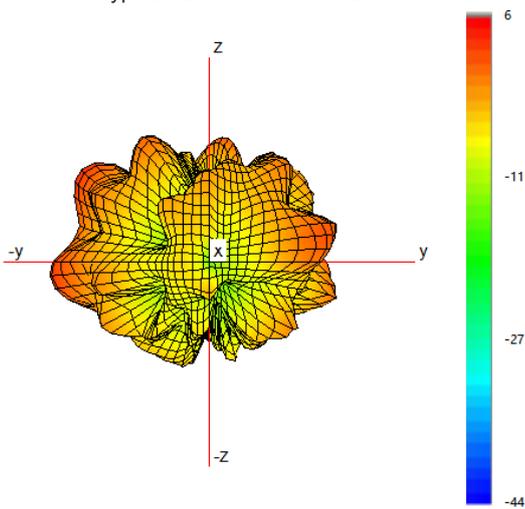
Typical 3D Pattern- WiFi - 2 - 2450 MHz



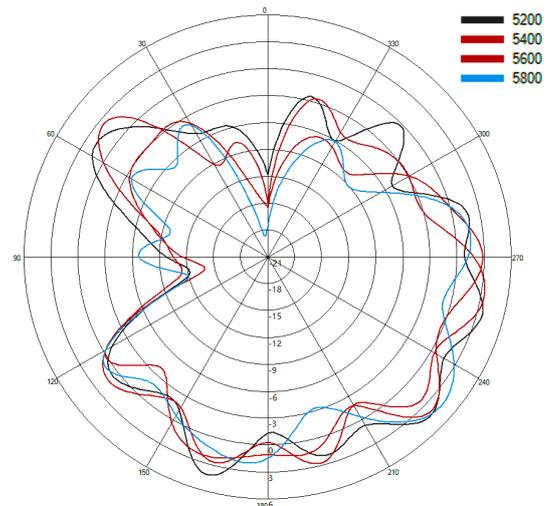
Typical H Plane- WiFi - 2 - Patterns- 2400-2475MHz



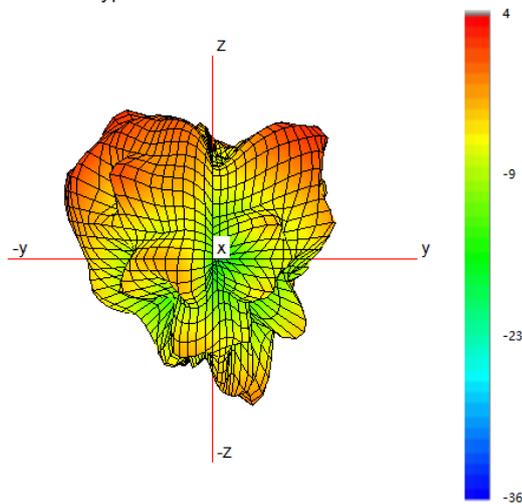
Typical 3D Pattern- WiFi - 2 - 5500 MHz



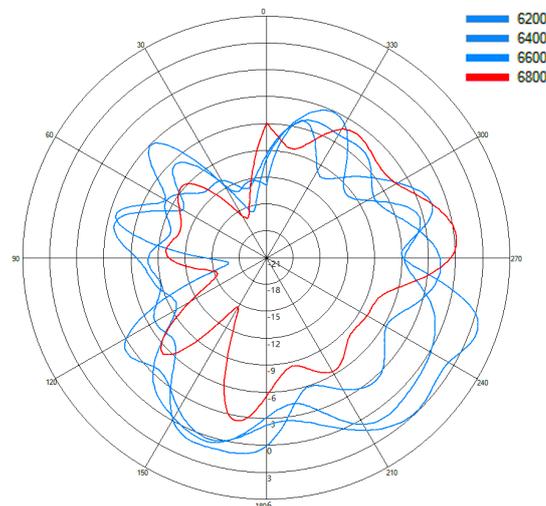
Typical H Plane- WiFi - 2 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 2 - 6500 MHz



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

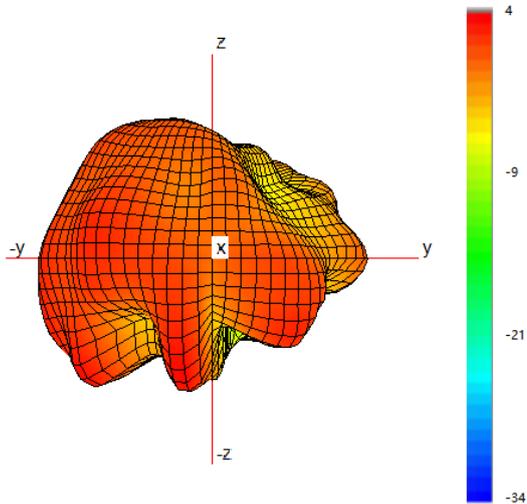


4x4 MiMo 4G/5G Dome Antenna Kit

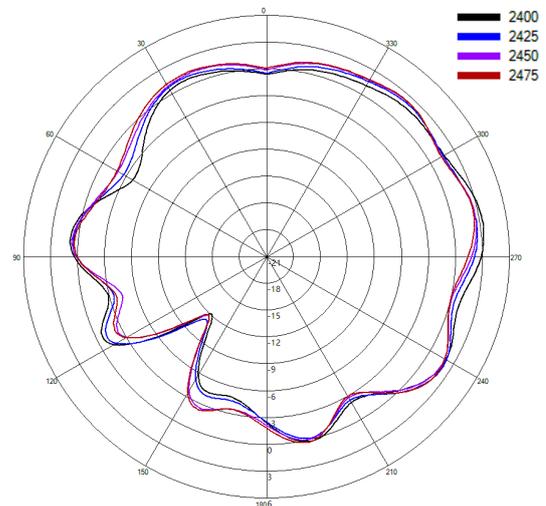
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space WIFI - 3

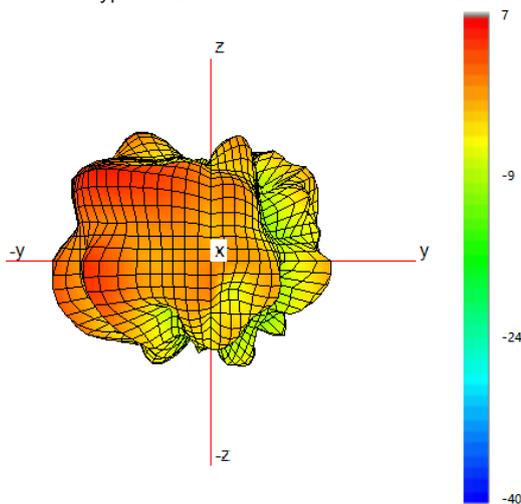
Typical 3D Pattern- WiFi - 3 - 2450 MHz



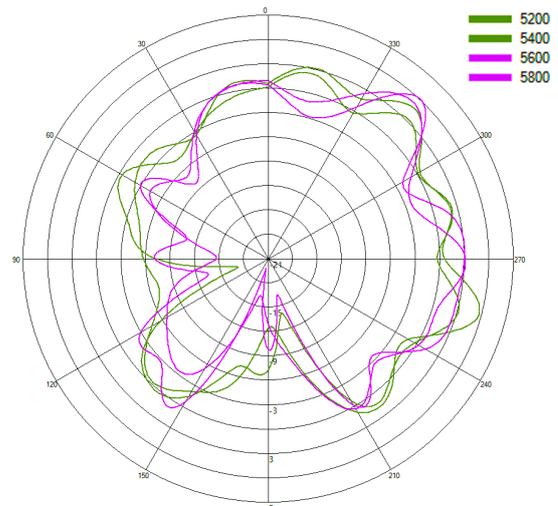
Typical H Plane- WiFi - 3 - Patterns- 2400-2475MHz



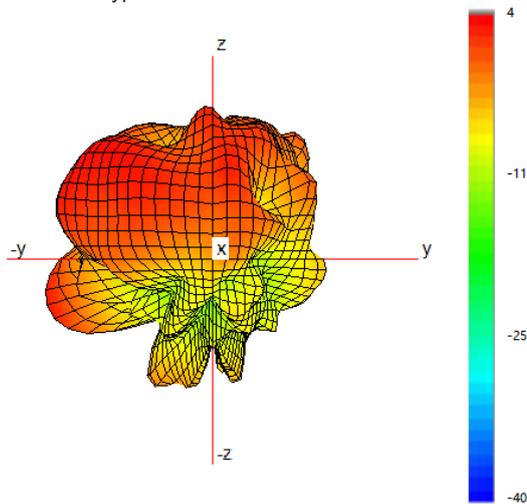
Typical 3D Pattern- WiFi - 3 - 5500 MHz



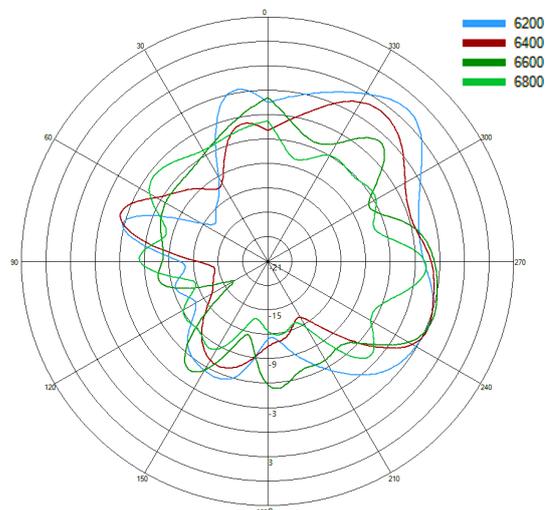
Typical H Plane- WiFi - 3 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 3 - 6500 MHz



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

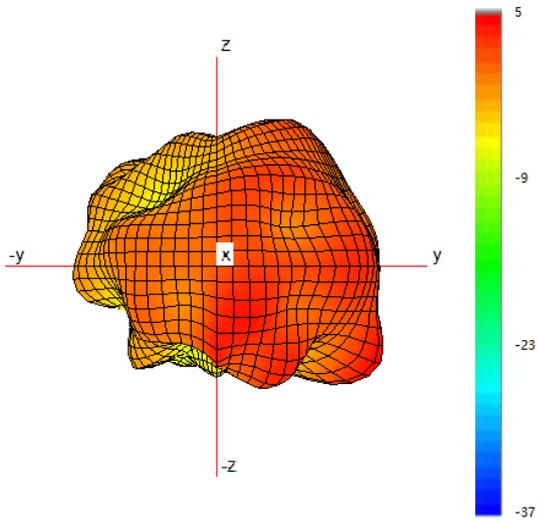


4x4 MiMo 4G/5G Dome Antenna Kit

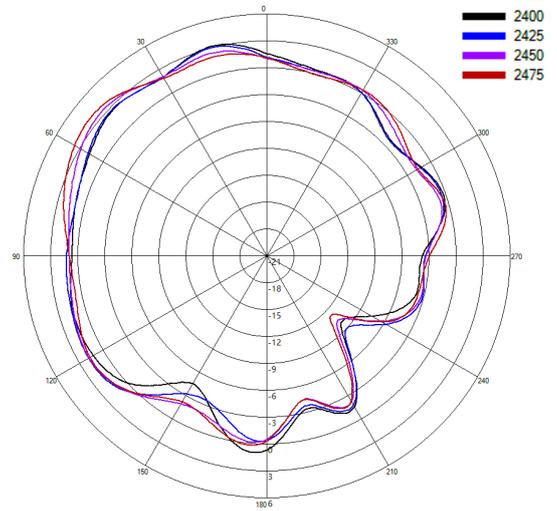
L[X]M[X]M4[X]-6-60[-24-58]

3D Pattern Data in Free Space WiFi - 4

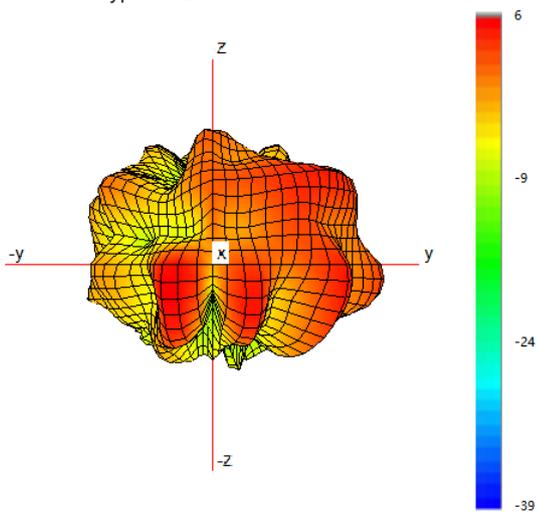
Typical 3D Pattern- WiFi - 4 - 2450 MHz



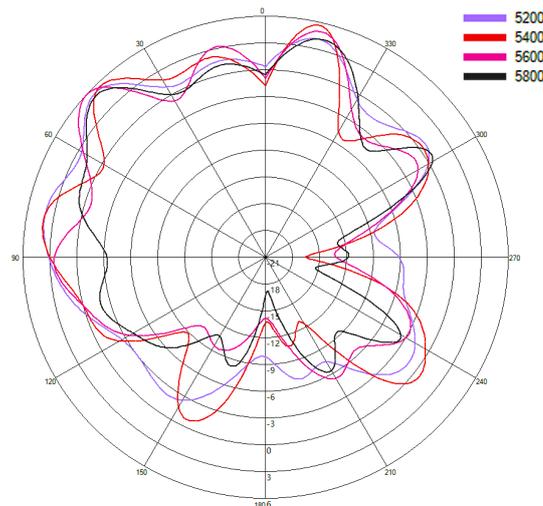
Typical H Plane- WiFi - 4 - Patterns- 2400-2475MHz



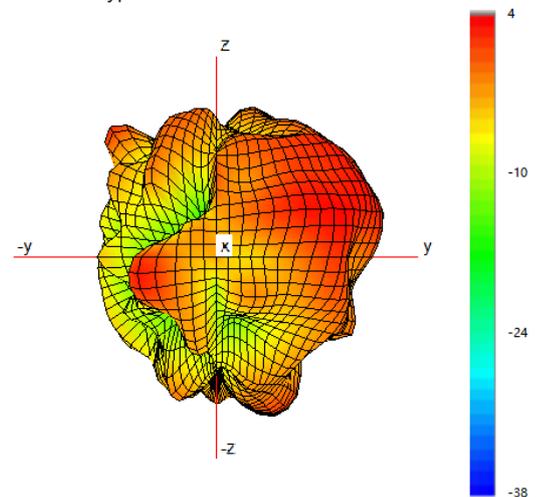
Typical 3D Pattern- WiFi - 4 - 5500 MHz



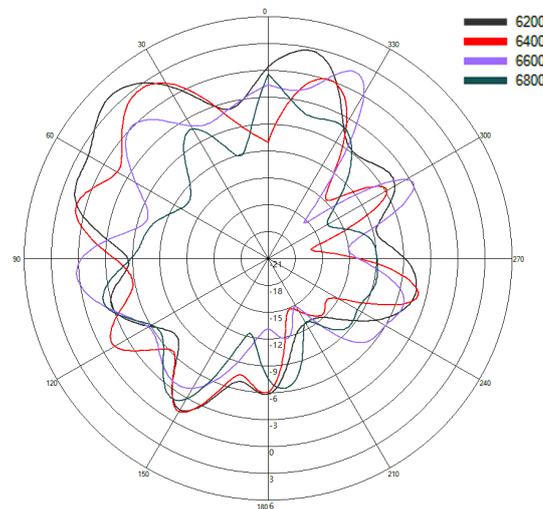
Typical H Plane- WiFi - 4 - Patterns- 5200-5800MHz



Typical 3D Pattern- WiFi - 4 - 6500 MHz



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

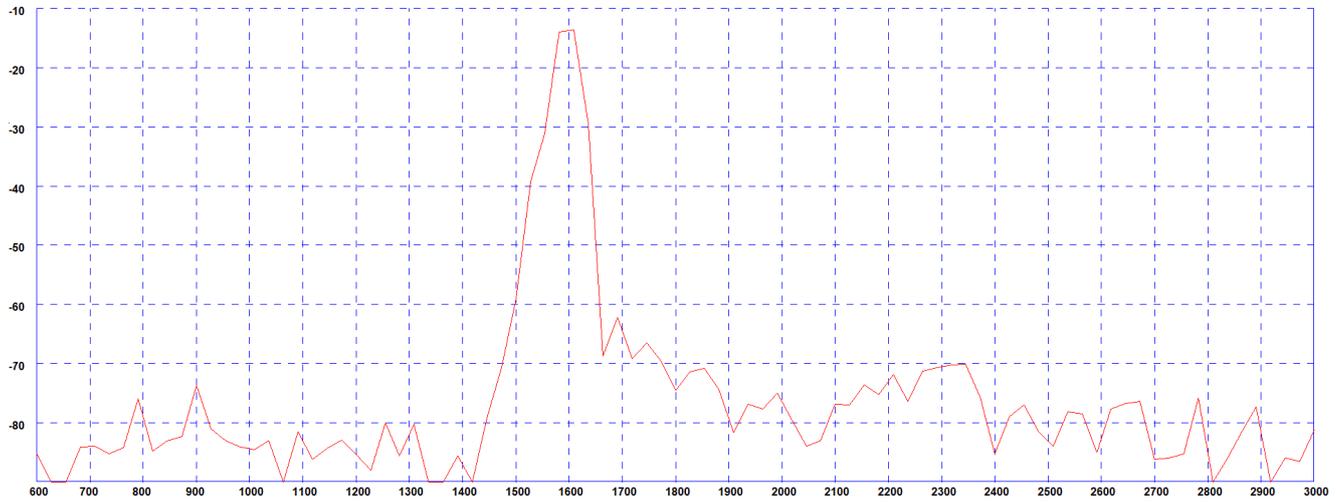


4x4 MiMo 4G/5G Dome Antenna Kit

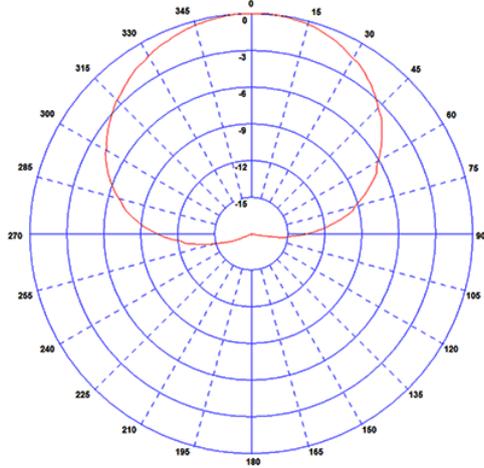
L[X]M[X]M4[X]-6-60[-24-58]

Electrical Data- L1
GPS/GNSS

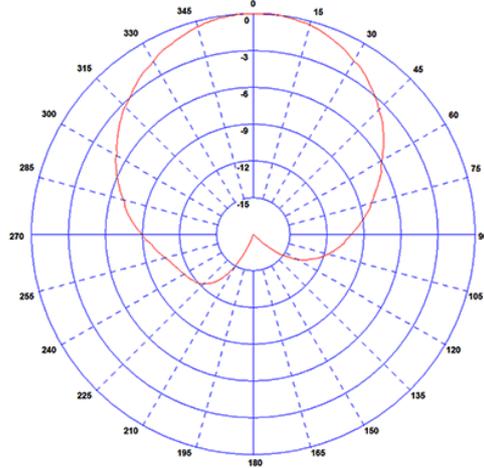
Swept Peak Gain GPS/GNSS



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