

# 4x4 MiMo 4G/5G Antenna

## DWMM4[G]-6-60

PANORAMA ANTENNAS



### DWMM4[G]-6-60

- 4x4 MiMo 4G/5G Omni-Directional Antenna Solution
- Mast, Wall or Desk Mount
- Optional GPS/GNSS - 26dB LNA
- Integral FRZH Rated Coaxial Cables

The DWMM4[G]-6-60 antenna provides a 4x4 MiMo omnidirectional antenna solution for global 4G/5G networks covering 617-6000MHz. It features four separately fed ultra-wideband elements in a single housing and is suitable for a wide range of fixed-site branch office and enterprise failover applications.

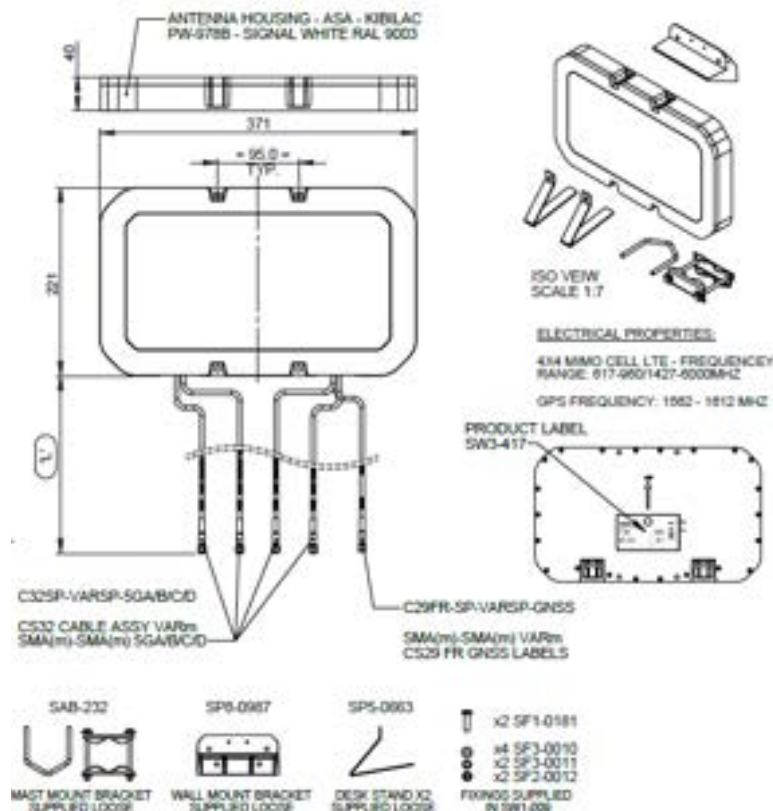
The supplied mounting bracket enables mast mounting using the supplied clamp assembly or it can be wall-mounted using the supplied screws and wall plugs. The antenna can be fitted directly to non-conductive panels or internal walls and mounting feet are supplied to allow it to be stood on a desk or window sill.

The omni-directional radiation pattern allows easy placement of the antenna without consideration of directional alignment and makes it ideal where access to multiple network sites is required. The DWMM4G version incorporates an integral GPS/GNSS antenna with 26dB LNA gain and advanced filtering for resilient operation.

The antenna has integral flame retardant coaxial cables, which eliminates or reduces exposed connector joints and simplify installation.

#### Technical Drawing

DWMM4G-6-60-5SP Shown



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## DWMM4[G]-6-60

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### Product Data

| Part No.                      |                  |                                            |                 |                |                 |
|-------------------------------|------------------|--------------------------------------------|-----------------|----------------|-----------------|
|                               |                  | DWMM4-6-60-5SP                             | DWMM4-6-60-5FKJ | DWMM4-6-60-5NP | DWMM4-6-60-05NJ |
| Electrical Data               |                  |                                            |                 |                |                 |
| Frequency Range (MHz)         | Elements 1-4     | 617-960 / 1427-6000                        |                 |                |                 |
| Operational Band              | Elements 1-4     | 2G/3G/4G/5G                                |                 |                |                 |
| Typical VSWR**                |                  | <2.5:1                                     |                 |                |                 |
| Correlation Co-efficient      |                  | < 0.1                                      |                 |                |                 |
| Polarisation                  |                  | +/-45 degrees                              |                 |                |                 |
| Pattern                       |                  | Hybrid                                     |                 |                |                 |
| Impedance                     |                  | 50Ω                                        |                 |                |                 |
| Max Input Power (W)           |                  | 10                                         |                 |                |                 |
| Mechanical Data               |                  |                                            |                 |                |                 |
| Dimensions (mm)               | Length           | 371 (14.6")                                |                 |                |                 |
|                               | Height Excl Brkt | 221 (8.7")                                 |                 |                |                 |
|                               | Depth            | 40 (1.57")                                 |                 |                |                 |
| Operating Temp (°C)           |                  | -40° / +85°C ( -40° / 185° F )             |                 |                |                 |
| Radome Material               |                  | ASA                                        |                 |                |                 |
| Material Approvals            |                  | Radome ASA Material - UL 746C F1, UL 94-HB |                 |                |                 |
| Colour                        |                  | White                                      |                 |                |                 |
| Ingress Protection            |                  | IP66                                       |                 |                |                 |
| Mounting Data                 |                  |                                            |                 |                |                 |
| Fixing                        |                  | Wall, Mast, Rail or Panel Mount            |                 |                |                 |
| Max Mast / Rail Diameter (mm) |                  | 50 (1.96")                                 |                 |                |                 |
| Cable Data                    |                  |                                            |                 |                |                 |
| 4G/5G Cables                  | Type             | CS32 (EN45545-2)                           |                 |                |                 |
|                               | Diameter (mm)    | 5 (0.19")                                  |                 |                |                 |
|                               | Length (m)       | 5 (16' 4")                                 | 5 (16' 4")      | 5 (16' 4")     | 0.5 (1' 6")     |
|                               | Termination      | SMA (m)                                    | FAKRA D Jack    | N (m)          | N(f)            |

\* Peak gain and efficiency simulated in CST microwave studio for each element in free space excluding cable loss \*\* Typical VSWR measured with 0.5m (1.5') of cable in free space.

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## DWMM4[G]-6-60

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| Product Data                                                                     |                  |                                            |              |            |
|----------------------------------------------------------------------------------|------------------|--------------------------------------------|--------------|------------|
| Part No.                                                                         |                  |                                            |              |            |
| DWMM4G-6-60-5SP      DWMM4G-6-60-5FKJ      DWMM4G-6-60-5NP      DWMM4G-6-60-05NJ |                  |                                            |              |            |
| Electrical Data                                                                  |                  |                                            |              |            |
| Frequency Range (MHz)                                                            | Elements 1-4     | 617-960 / 1427-6000                        |              |            |
|                                                                                  | Element 5        | 1559-1612                                  |              |            |
| Operational Band                                                                 | Elements 1-4     | 2G/3G/4G/5G                                |              |            |
|                                                                                  | Element 5        | GPS/GNSS                                   |              |            |
| Typical VSWR**                                                                   |                  | <2.5:1                                     |              |            |
| Correlation Co-efficient                                                         |                  | < 0.1                                      |              |            |
| Polarisation                                                                     |                  | +/-45 degrees                              |              |            |
| Pattern                                                                          |                  | Hybrid                                     |              |            |
| Impedance                                                                        |                  | 50Ω                                        |              |            |
| Max Input Power (W)                                                              |                  | 10                                         |              |            |
| GPS/GNSS Data                                                                    |                  |                                            |              |            |
| Frequency Range (MHz)                                                            |                  | 1559-1612                                  |              |            |
| Typical VSWR                                                                     |                  | <2.5:1                                     |              |            |
| LNA Gain                                                                         |                  | 26dB (+/-3)                                |              |            |
| Polarisation                                                                     |                  | RHCP                                       |              |            |
| Operating Voltage                                                                |                  | 3-5 VDC <20ma                              |              |            |
| Mechanical Data                                                                  |                  |                                            |              |            |
| Dimensions (mm)                                                                  | Length           | 371 (14.6")                                |              |            |
|                                                                                  | Height Excl Brkt | 221 (8.7")                                 |              |            |
|                                                                                  | Depth            | 40 (1.57")                                 |              |            |
| Operating Temp (°C)                                                              |                  | -40° / +85°C ( -40° / 185°F )              |              |            |
| Radome Material                                                                  |                  | ASA                                        |              |            |
| Material Approvals                                                               |                  | Radome ASA Material - UL 746C F1, UL 94-HB |              |            |
| Colour                                                                           |                  | White                                      |              |            |
| Ingress Protection                                                               |                  | IP66                                       |              |            |
| Mounting Data                                                                    |                  |                                            |              |            |
| Fixing                                                                           |                  | Wall, Mast, Rail or Panel Mount            |              |            |
| Max Mast Diameter (mm)                                                           |                  | 50 (1.96")                                 |              |            |
| Cable Data                                                                       |                  |                                            |              |            |
| 4G/5G Cables                                                                     | Type             | CS32 (EN45545-2 Compliant)                 |              |            |
|                                                                                  | Diameter (mm)    | 5 (0.19")                                  |              |            |
|                                                                                  | Length (m)       | 5 (16' 4")                                 | 5 (16' 4")   | 5 (16' 4") |
|                                                                                  | Termination      | SMA (m)                                    | FAKRA D Jack | N (m)      |
| GPS/GNSS Cables                                                                  | Type             | CS29 FR (EN45545-2 Compliant)              |              |            |
|                                                                                  | Diameter (mm)    | 5 (0.19")                                  |              |            |
|                                                                                  | Length (m)       | 5 (16' 4")                                 | 5 (16' 4")   | 5 (16' 4") |
|                                                                                  | Termination      | SMA (m)                                    | FAKRA C Jack | N (m)      |

\* Peak gain and efficiency simulated in CST microwave studio for each element in free space excluding cable loss \*\* Typical VSWR measured with 0.5m (1.5') of cable in free space.

# 4x4 MiMo 4G/5G Antenna

## DWMM4[G]-6-60

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### Product Data

Part No.

DWMM4G5-6-60-5SP

DWMM4G5-6-60-05NJ

#### Electrical Data

|                          |              |                       |
|--------------------------|--------------|-----------------------|
| Frequency Range (MHz)    | Elements 1-4 | 617-960 / 1427-6000   |
|                          | Element 5    | 1164-1189 / 1559-1612 |
| Operational Band         | Elements 1-4 | 2G/3G/4G/5G           |
|                          | Element 5    | GPS/GNSS              |
| Typical VSWR**           |              | <2.5:1                |
| Correlation Co-efficient |              | < 0.1                 |
| Polarisation             |              | +/-45 degrees         |
| Pattern                  |              | Hybrid                |
| Impedance                |              | 50Ω                   |
| Max Input Power (W)      |              | 10                    |

#### GPS/GNSS Data

|                       |                       |
|-----------------------|-----------------------|
| Frequency Range (MHz) | 1164-1189 / 1559-1612 |
| Typical VSWR          | <2.5:1                |
| LNA Gain              | 19dB / 29dB (+/-7.5)  |
| Polarisation          | RHCP                  |
| Operating Voltage     | 3-5v 36ma Typical     |

#### Mechanical Data

|                     |                  |                                            |
|---------------------|------------------|--------------------------------------------|
| Dimensions (mm)     | Length           | 371 (14.6")                                |
|                     | Height Excl Brkt | 221 (8.7")                                 |
|                     | Depth            | 40 (1.57")                                 |
| Operating Temp (°C) |                  | -40° / +85°C ( -40° / 185°F )              |
| Radome Material     |                  | ASA                                        |
| Material Approvals  |                  | Radome ASA Material - UL 746C F1, UL 94-HB |
| Colour              |                  | White                                      |
| Ingress Protection  |                  | IP66                                       |

#### Mounting Data

|                        |                                 |
|------------------------|---------------------------------|
| Fixing                 | Wall, Mast, Rail or Panel Mount |
| Max Mast Diameter (mm) | 50 (1.96")                      |

#### Cable Data

|                 |               |                               |             |
|-----------------|---------------|-------------------------------|-------------|
| 4G/5G Cables    | Type          | CS32 (EN45545-2 Compliant)    |             |
|                 | Diameter (mm) | 5 (0.19")                     |             |
|                 | Length (m)    | 5 (16' 4")                    | 0.5 (1' 6") |
|                 | Termination   | SMA (m)                       | N(f)        |
| GPS/GNSS Cables | Type          | CS29 FR (EN45545-2 Compliant) |             |
|                 | Diameter (mm) | 5 (0.19")                     |             |
|                 | Length (m)    | 5 (16' 4")                    | 0.5 (1' 6") |
|                 | Termination   | SMA (m)                       | N(f)        |

\* Peak gain and efficiency simulated in CST microwave studio for each element in free space excluding cable loss \*\* Typical VSWR measured with 0.5m (1.5') of cable in free space.

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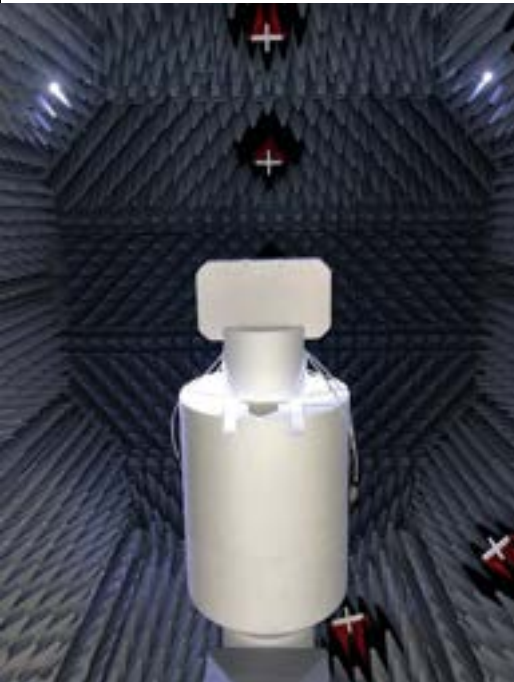
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# 4x4 MiMo 4G/5G Antenna

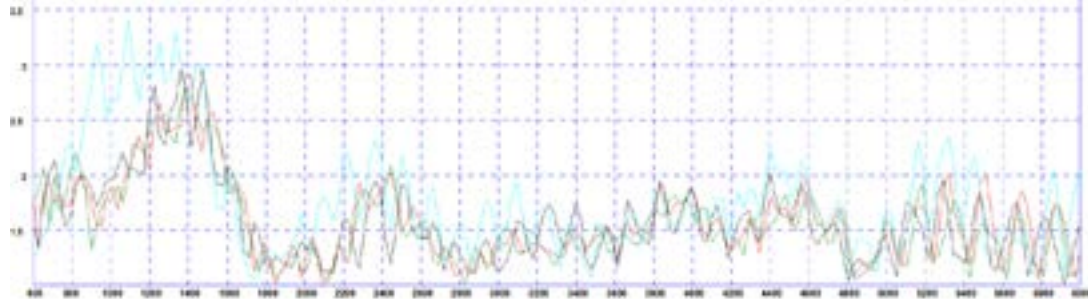
## DWMM4[G]-6-60

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Electrical Data in  
Free Space

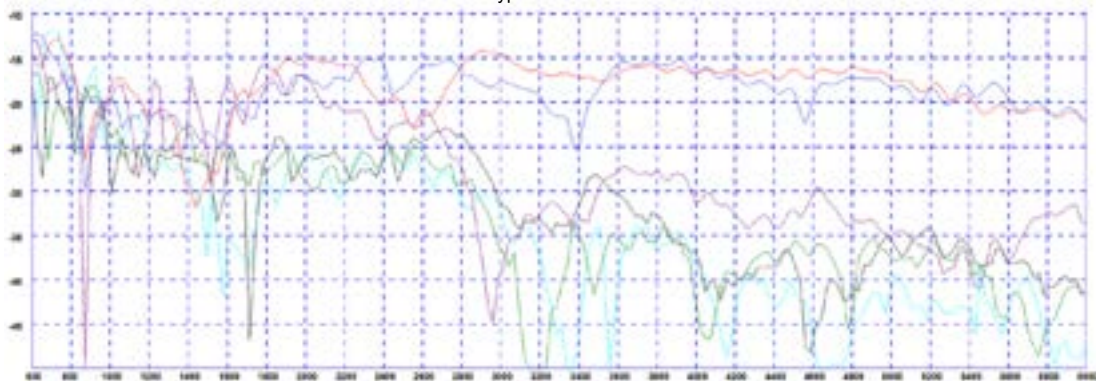
| Measurement Conditions                                                             | 4G/5G Antennas        |                       |                 |                 |                |
|------------------------------------------------------------------------------------|-----------------------|-----------------------|-----------------|-----------------|----------------|
| Measured in free space with 0.5(1.5') of CS32 cable                                | Frequency Range (MHz) | LTE Bands             | Antenna Element | Peak Gain (dBi) | Efficiency (%) |
|  | 617-698               | 71,105                | Cell A          | 6.4             | 73             |
|                                                                                    |                       |                       | Cell B          | 4.8             | 79             |
|                                                                                    |                       |                       | Cell C          | 5.3             | 78             |
|                                                                                    |                       |                       | Cell D          | 6.4             | 74             |
|                                                                                    | 699-798               | 12,13, 14 17,28       | Cell A          | 7.4             | 77             |
|                                                                                    |                       |                       | Cell B          | 4.0             | 69             |
|                                                                                    |                       |                       | Cell C          | 5.3             | 73             |
|                                                                                    |                       |                       | Cell D          | 5.1             | 71             |
|                                                                                    | 807- 862              | 5,19,20,26,27         | Cell A          | 6.3             | 77             |
|                                                                                    |                       |                       | Cell B          | 3.2             | 69             |
|                                                                                    |                       |                       | Cell C          | 4.3             | 70             |
|                                                                                    |                       |                       | Cell D          | 5.2             | 77             |
|                                                                                    | 880-960               | 8                     | Cell A          | 5.6             | 83             |
|                                                                                    |                       |                       | Cell B          | 4.4             | 70             |
|                                                                                    |                       |                       | Cell C          | 3.9             | 64             |
|                                                                                    |                       |                       | Cell D          | 4.7             | 79             |
|                                                                                    | 1427-1518             | 11, 21, 74,75,76      | Cell A          | 4.0             | 69             |
|                                                                                    |                       |                       | Cell B          | 5.3             | 66             |
|                                                                                    |                       |                       | Cell C          | 5.1             | 64             |
|                                                                                    |                       |                       | Cell D          | 5.0             | 70             |
|                                                                                    | 1710-1920             | 2,3,4,9,25,35, 39,66  | Cell A          | 4.5             | 75             |
|                                                                                    |                       |                       | Cell B          | 4.2             | 74             |
|                                                                                    |                       |                       | Cell C          | 4.2             | 75             |
|                                                                                    |                       |                       | Cell D          | 4.3             | 74             |
|                                                                                    | 1920-2170             | 1,23                  | Cell A          | 5.2             | 77             |
|                                                                                    |                       |                       | Cell B          | 4.4             | 78             |
|                                                                                    |                       |                       | Cell C          | 3.9             | 74             |
|                                                                                    |                       |                       | Cell D          | 5.0             | 79             |
|                                                                                    | 2300-2400             | 30,40                 | Cell A          | 4.7             | 73             |
|                                                                                    |                       |                       | Cell B          | 4.5             | 72             |
|                                                                                    |                       |                       | Cell C          | 3.7             | 68             |
|                                                                                    |                       |                       | Cell D          | 4.1             | 73             |
|                                                                                    | 2496-2690             | 7,38,41               | Cell A          | 5.2             | 79             |
|                                                                                    |                       |                       | Cell B          | 5.2             | 75             |
|                                                                                    |                       |                       | Cell C          | 6.2             | 75             |
|                                                                                    |                       |                       | Cell D          | 4.9             | 76             |
|                                                                                    | 3300-4200             | 22,42,43,48,77, 78,79 | Cell A          | 5.6             | 66             |
|                                                                                    |                       |                       | Cell B          | 5.5             | 70             |
|                                                                                    |                       |                       | Cell C          | 5.9             | 70             |
|                                                                                    |                       |                       | Cell D          | 5.9             | 66             |
|                                                                                    | 4400-5000             | 79                    | Cell A          | 7.0             | 60             |
|                                                                                    |                       |                       | Cell B          | 4.7             | 57             |
|                                                                                    |                       |                       | Cell C          | 6.0             | 60             |
|                                                                                    |                       |                       | Cell D          | 7.4             | 60             |

Typical VSWR\*



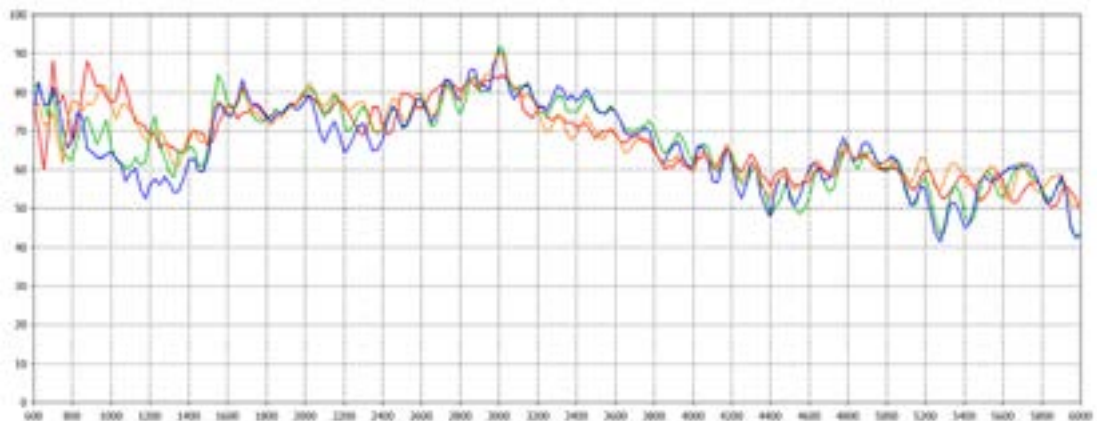
\*Typical VSWR for elements 1-4 measured in free space with 0.5m (1.5') of CS32 cable.

Typical Isolation\*



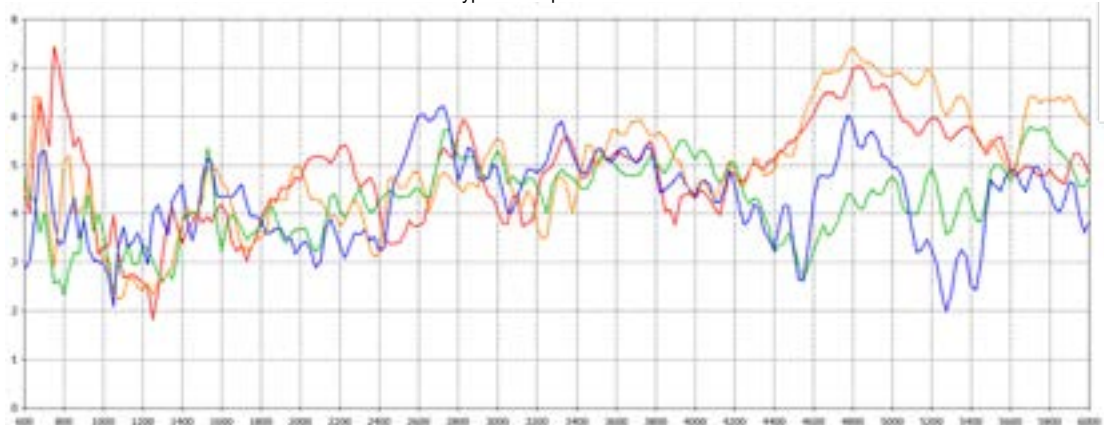
\*Typical isolation measured for elements 1-4 in free space with 0.5(1.5') of CS32 cable.

Typical Efficiency\*



\*Typical efficiency measured for elements 1-4 in free space with 0.5(1.5') of CS32 cable.

Typical Swept Peak Gain\*

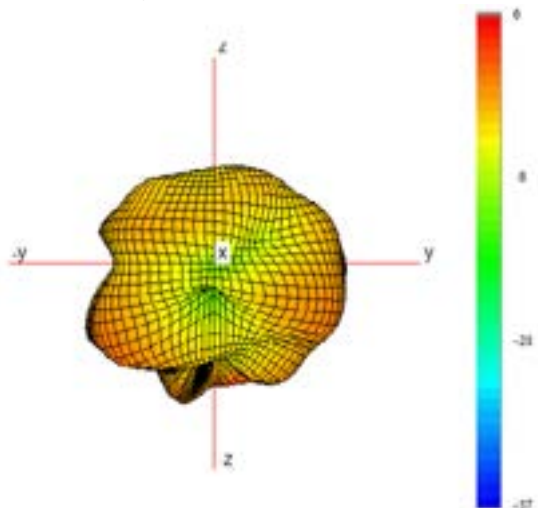


\* Peak gain measured for elements 1-4 in free space with 0.5(1.5') of CS32 cable.

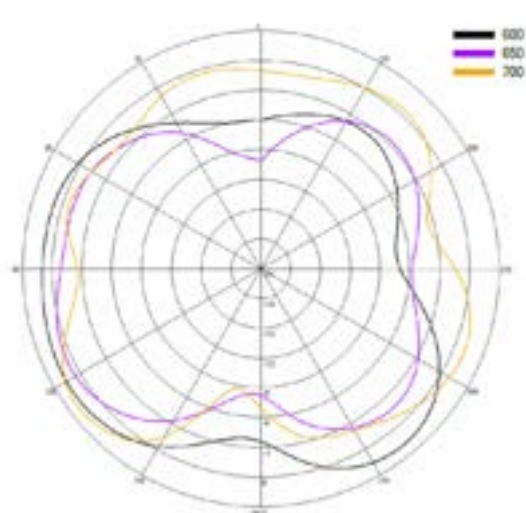


## 3D Patterns Cell A

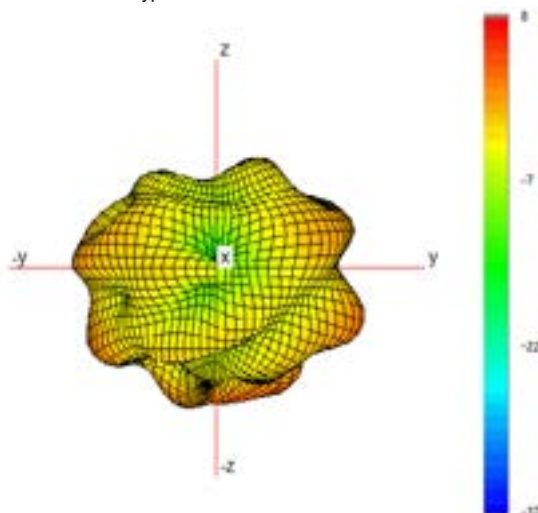
Typical 3D Pattern- Cell A - 650 MHz



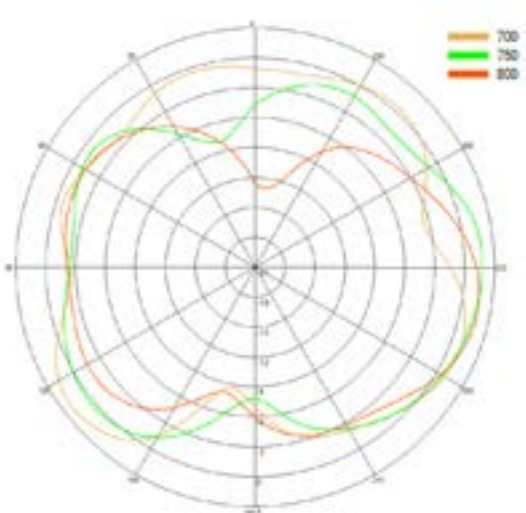
Typical H Plane- Cell A - Patterns- 600-700MHz



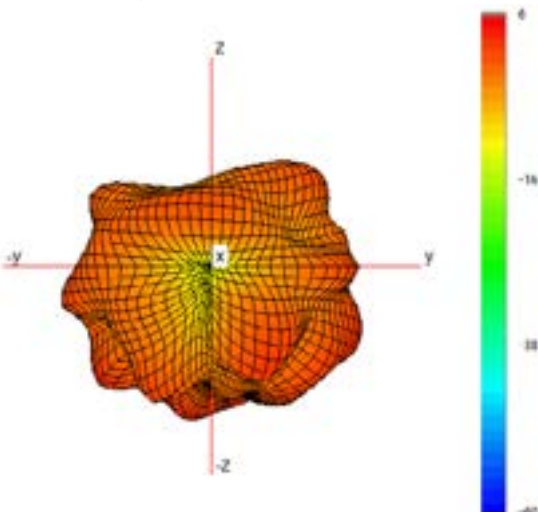
Typical 3D Pattern- Cell A - 750 MHz



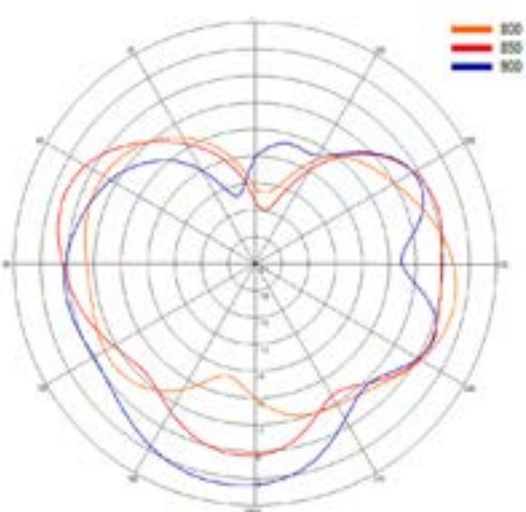
Typical H Plane- Cell A - Patterns- 700-800MHz



Typical 3D Pattern- Cell A - 850 MHz



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

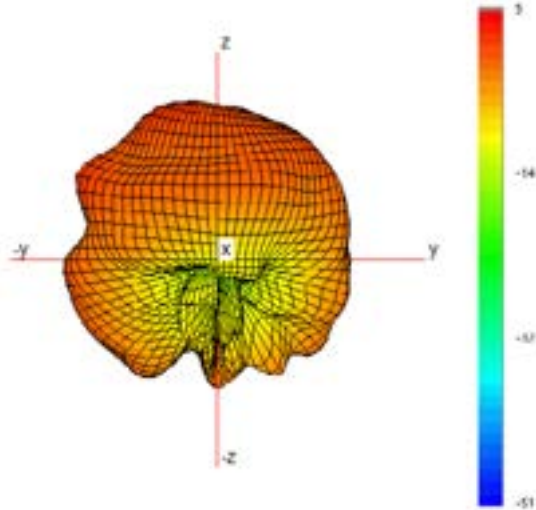


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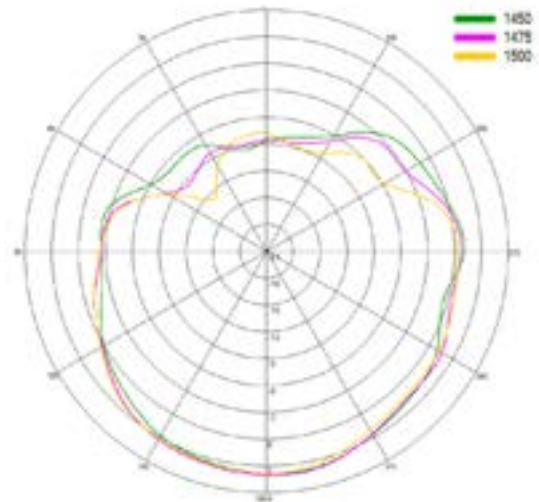
## DWMM4[G]-6-60

### 3D Patterns Cell A

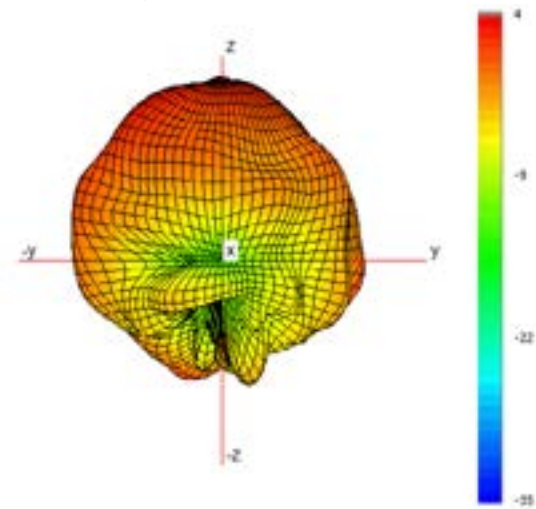
Typical 3D Pattern- Cell A - 1475 MHz



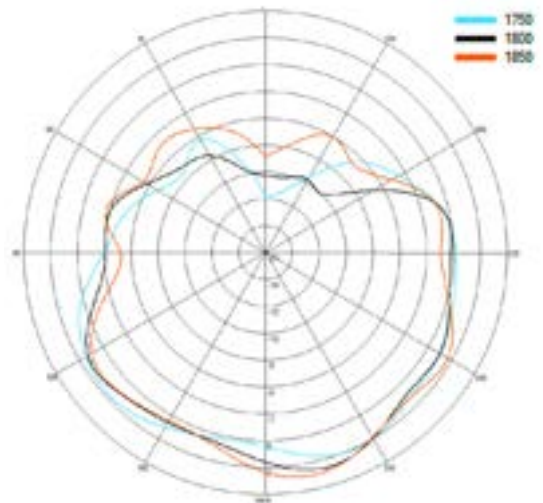
Typical H Plane- Cell A- Patterns- 1450-1500 MHz



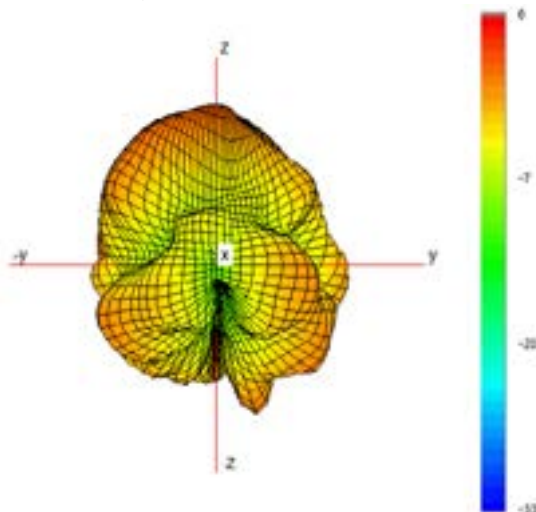
Typical 3D Pattern- Cell A - 1800 MHz



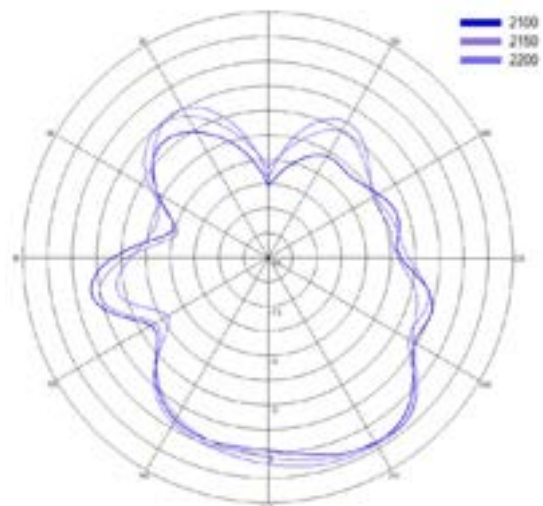
Typical H Plane- Cell A- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell A - 2150 MHz



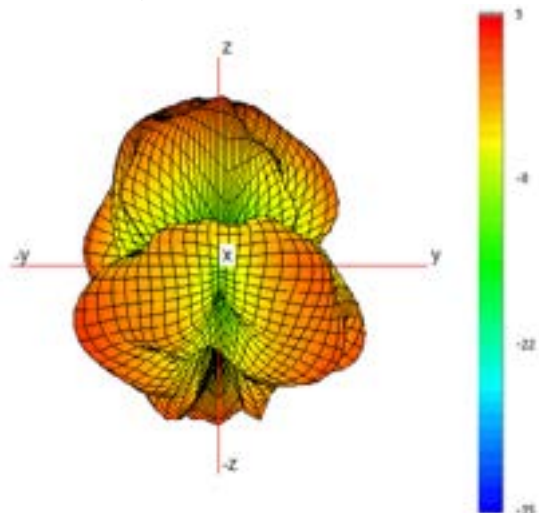
Typical H Plane- Cell A- Patterns- 2100-2200 MHz



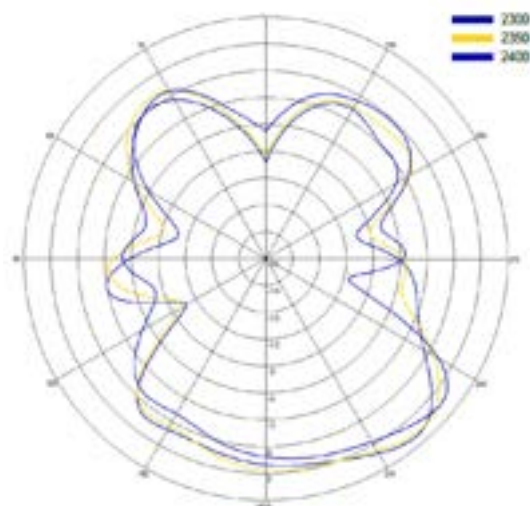


## 3D Patterns Cell A

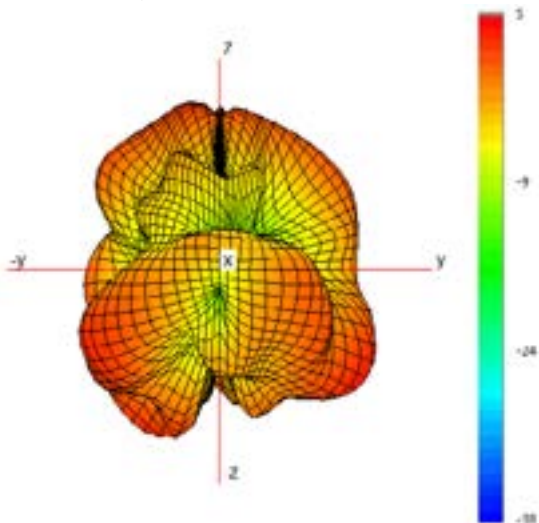
Typical 3D Pattern- Cell A - 2350 MHz



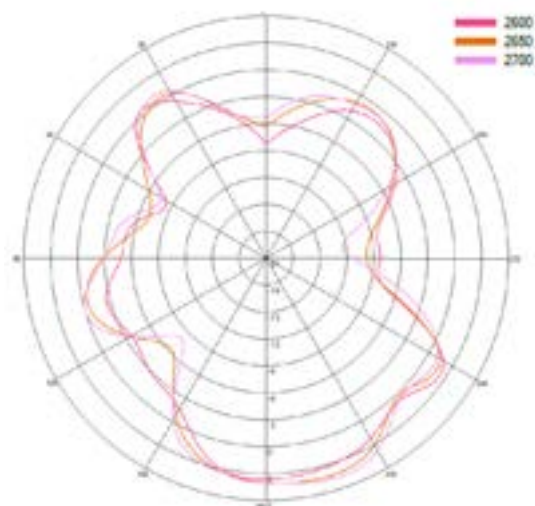
Typical H Plane- Cell A - Patterns- 2300-2400 MHz



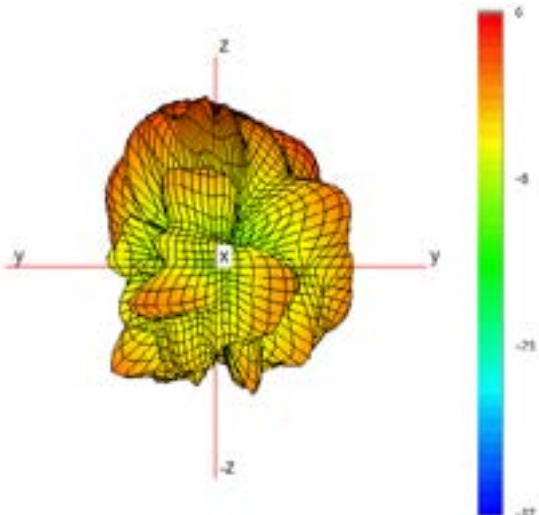
Typical 3D Pattern- Cell A - 2650 MHz



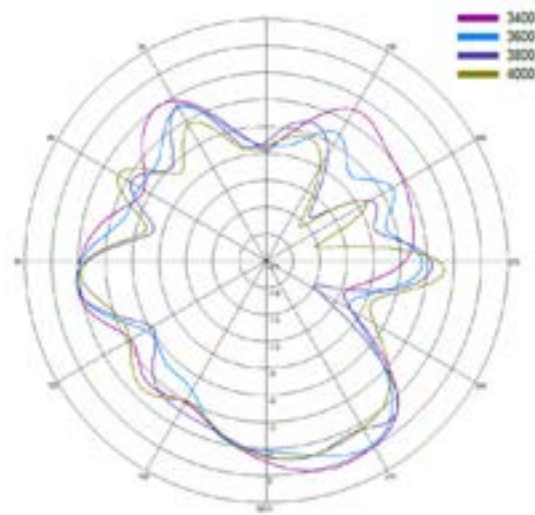
Typical H Plane- Cell A - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell A - 3600 MHz



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

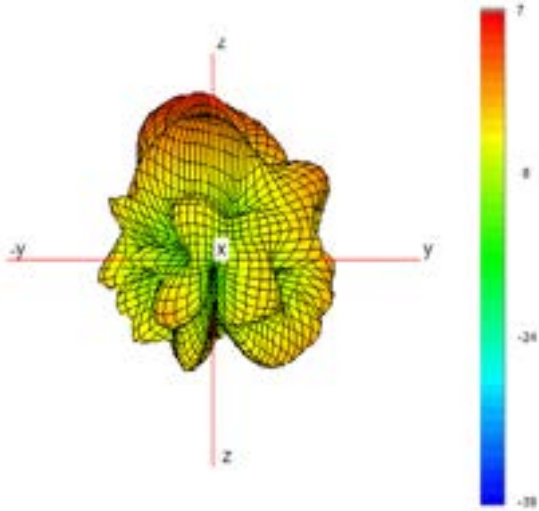


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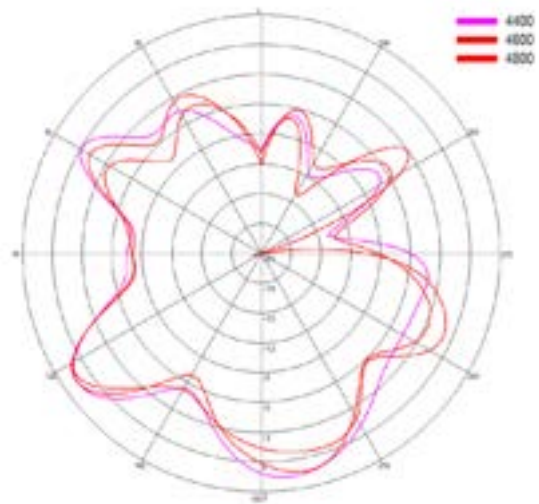
## DWMM4[G]-6-60

### 3D Patterns Cell A

Typical 3D Pattern- Cell A - 4700 MHz

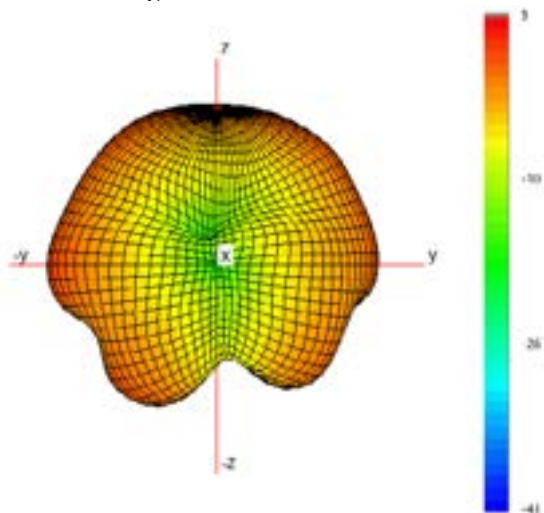


Typical H Plane- Cell A - Patterns- 4400-4800 MHz

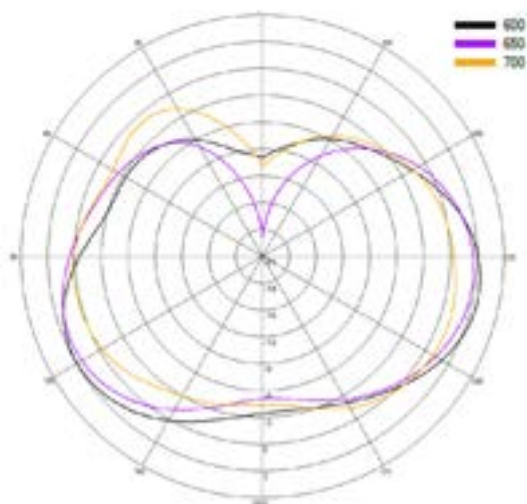


## 3D Patterns Cell B

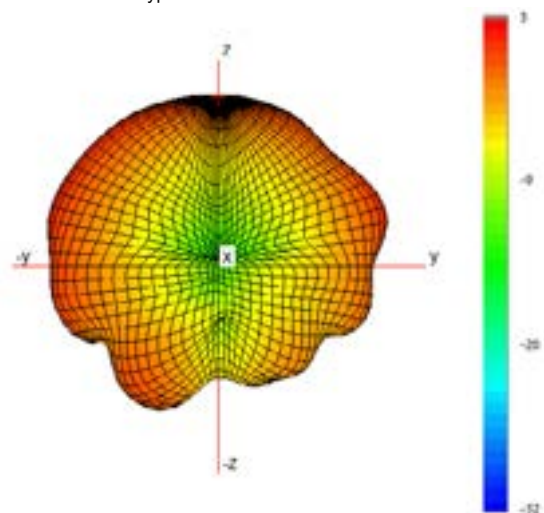
Typical 3D Pattern- Cell B - 650 MHz



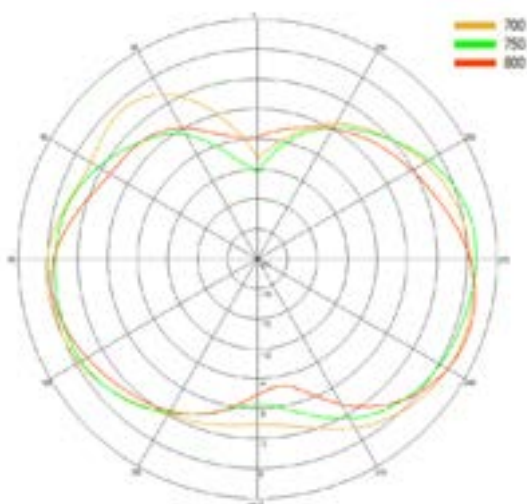
Typical H Plane- Cell B - Patterns- 600-700MHz



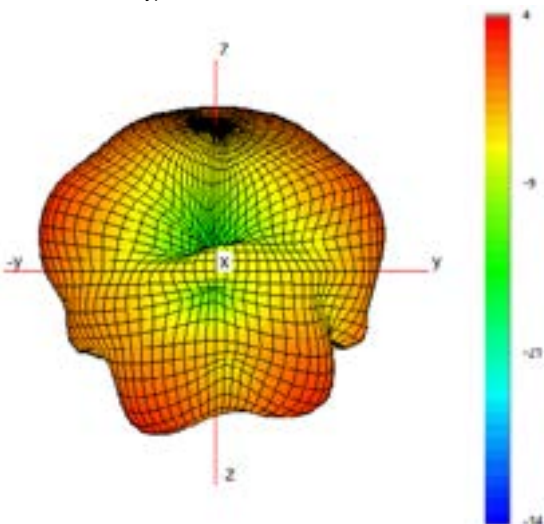
Typical 3D Pattern- Cell B - 750 MHz



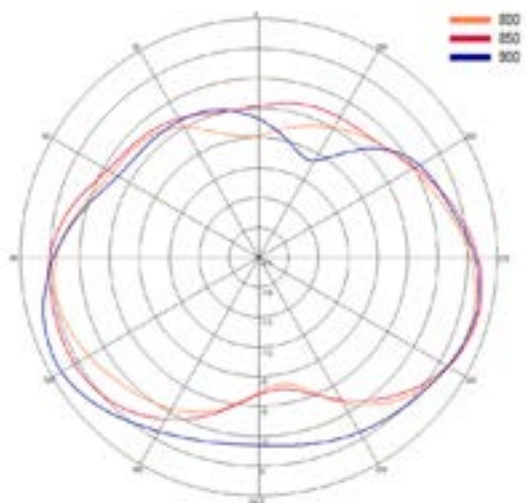
Typical H Plane- Cell B - Patterns- 700-800MHz



Typical 3D Pattern- Cell B - 850 MHz



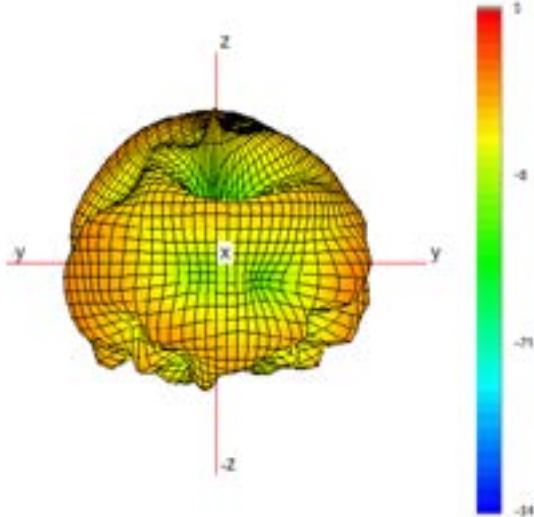
Typical H Plane- Cell B - Patterns- 800-900MHz



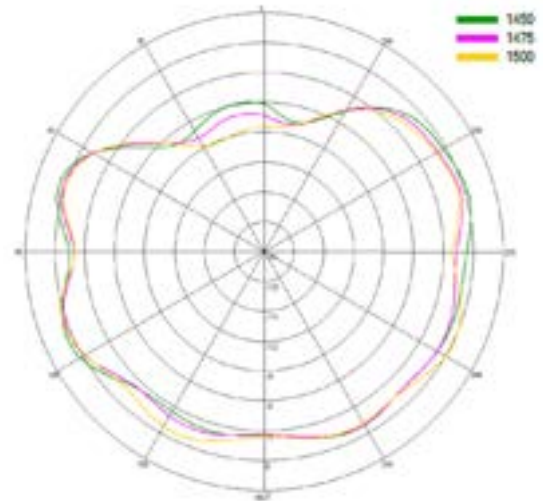


### 3D Patterns Cell B

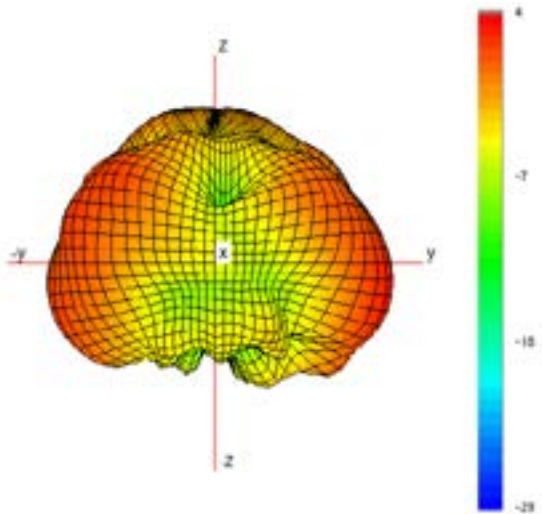
Typical 3D Pattern- Cell B - 1475 MHz



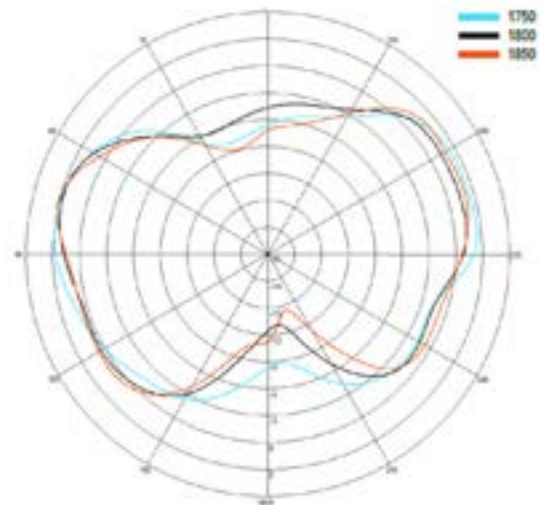
Typical H Plane- Cell B- Patterns- 1450-1500 MHz



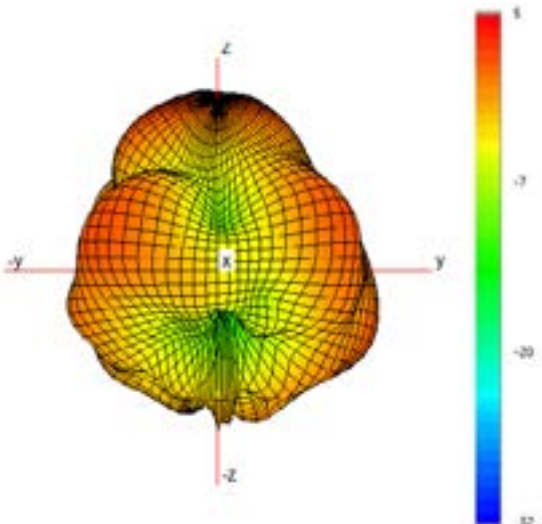
Typical 3D Pattern- Cell B - 1800 MHz



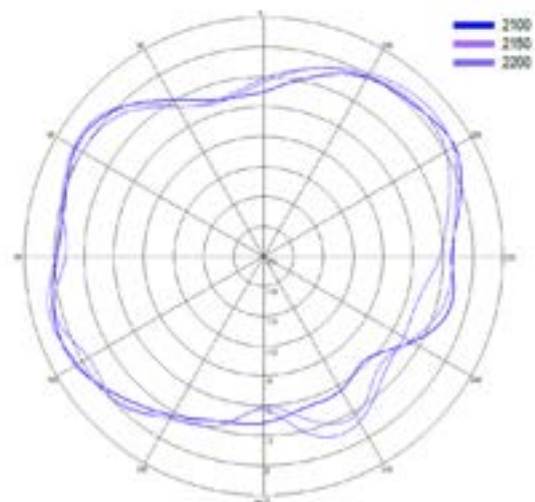
Typical H Plane- Cell B- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell B - 2150 MHz

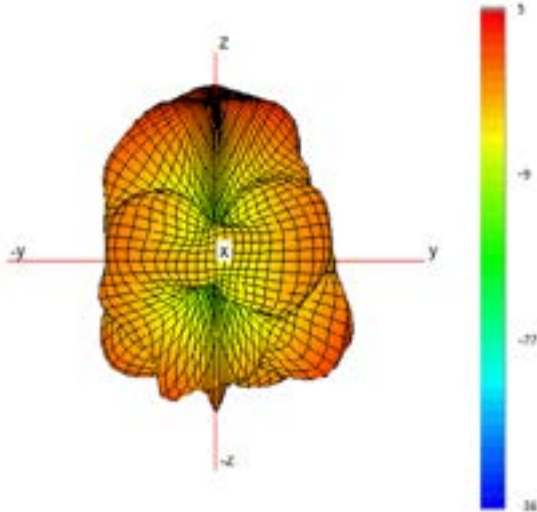


Typical H Plane- Cell B- Patterns- 2100-2200 MHz

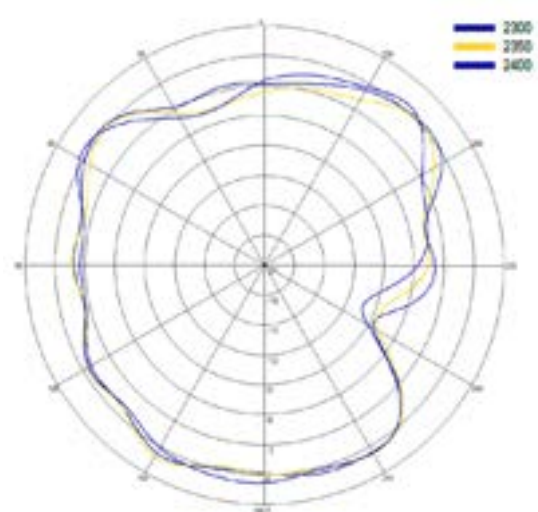


## 3D Patterns Cell B

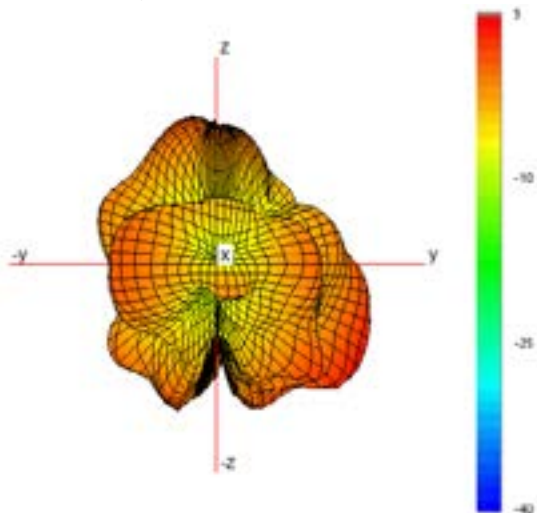
Typical 3D Pattern- Cell B - 2350 MHz



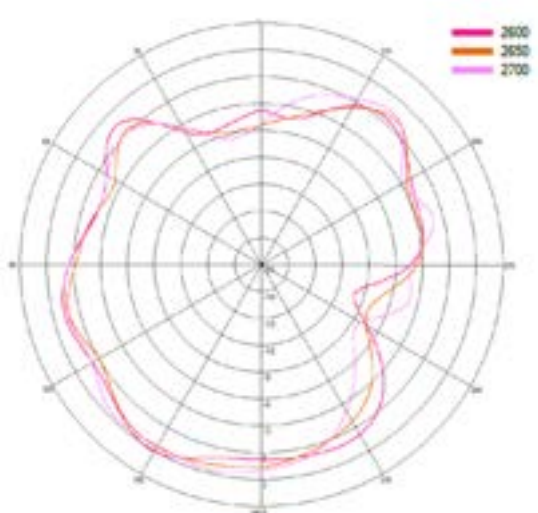
Typical H Plane- Cell B - Patterns- 2300-2400 MHz



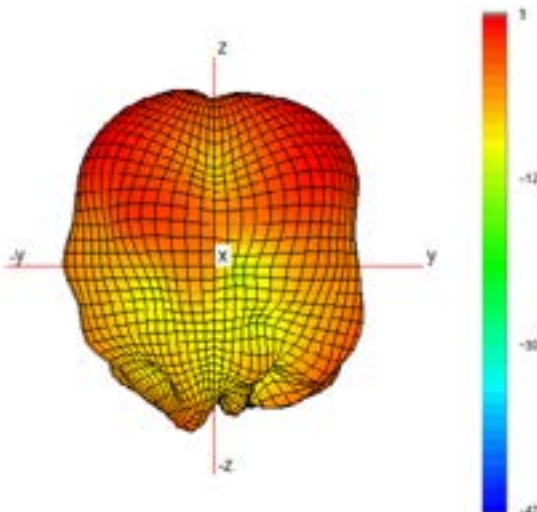
Typical 3D Pattern- Cell B - 2650 MHz



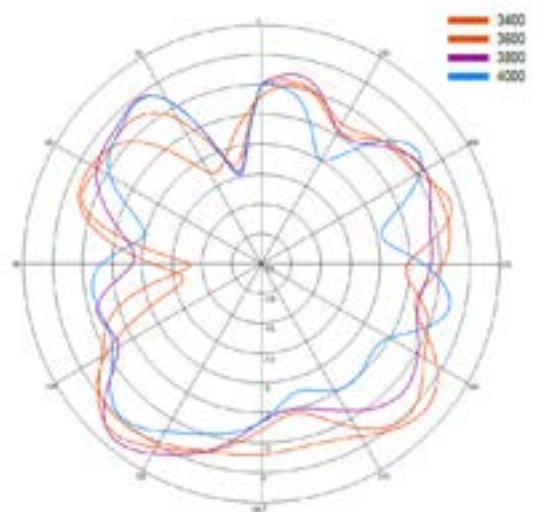
Typical H Plane- Cell B - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell B - 3600 MHz



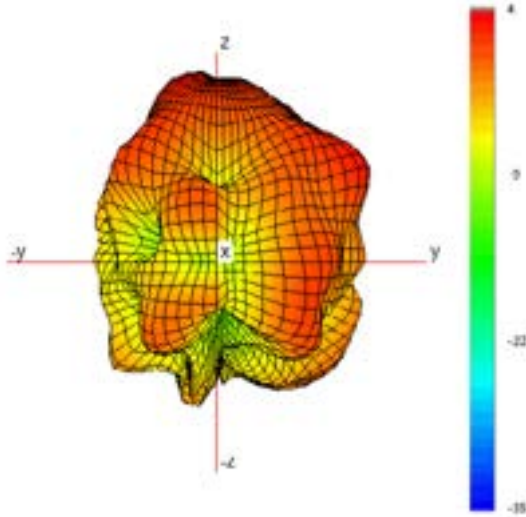
Typical H Plane- Cell B - Patterns- 3400-4000 MHz



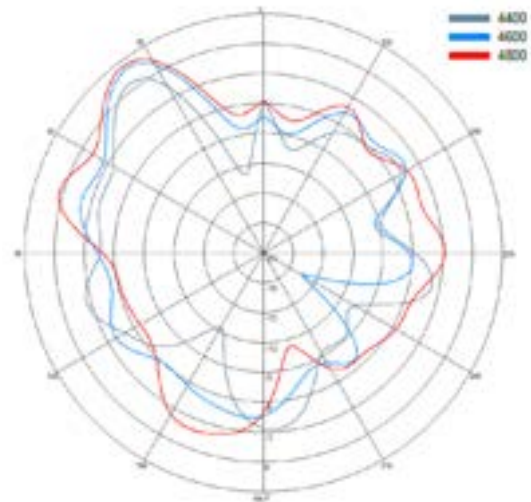


## 3D Patterns Cell B

Typical 3D Pattern- Cell B - 4700 MHz

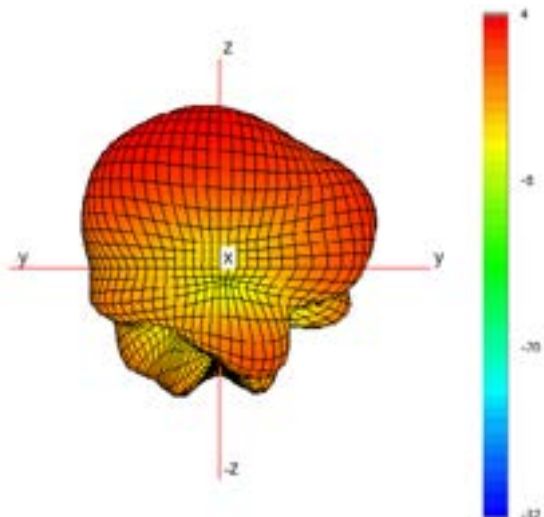


Typical H Plane- Cell B - Patterns- 4400-4800 MHz

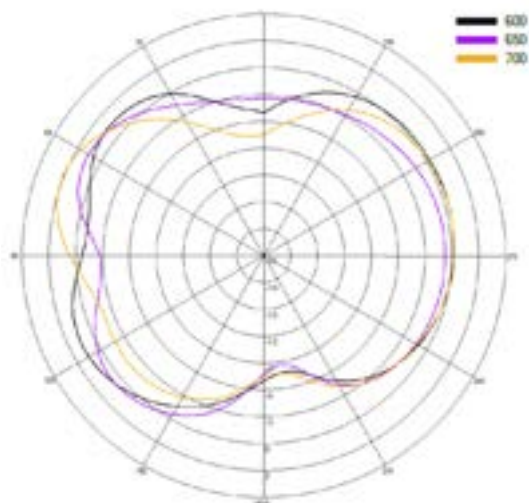


## 3D Patterns Cell C

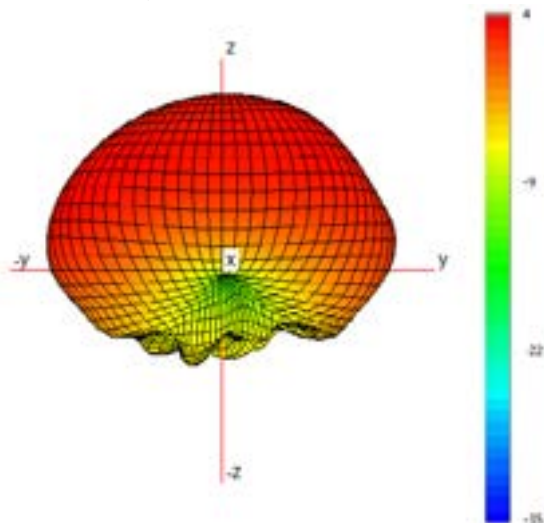
Typical 3D Pattern- Cell C - 650 MHz



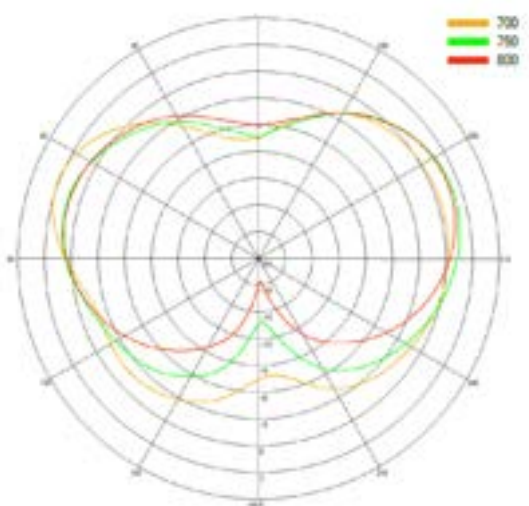
Typical H Plane- Cell C - Patterns- 600-700MHz



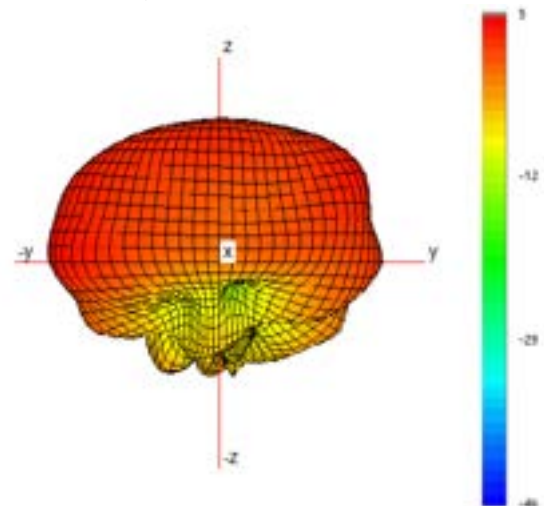
Typical 3D Pattern- Cell C - 750 MHz



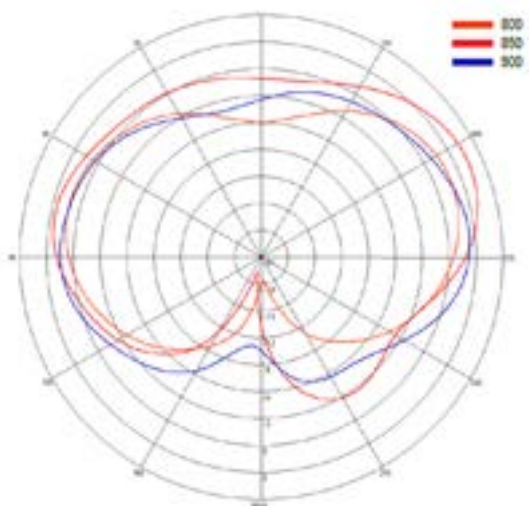
Typical H Plane- Cell C - Patterns- 700-800MHz



Typical 3D Pattern- Cell C - 850 MHz

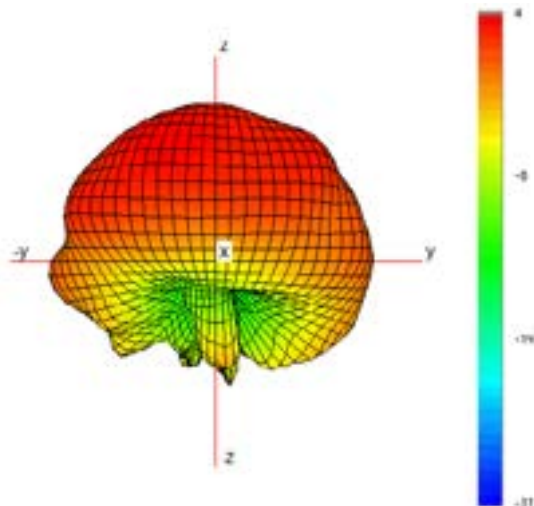


Typical H Plane- Cell C - Patterns- 800-900MHz

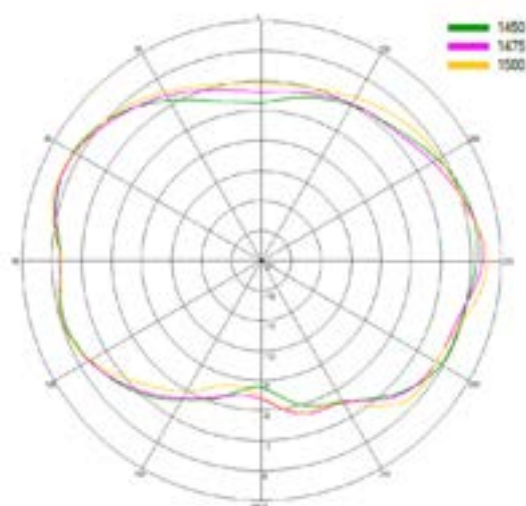


### 3D Patterns Cell C

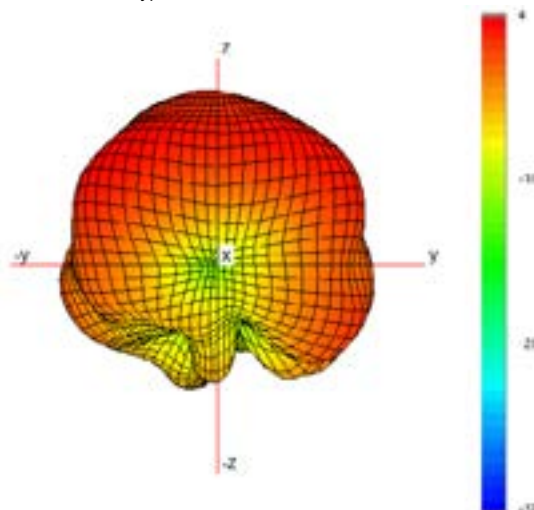
Typical 3D Pattern- Cell C - 1475 MHz



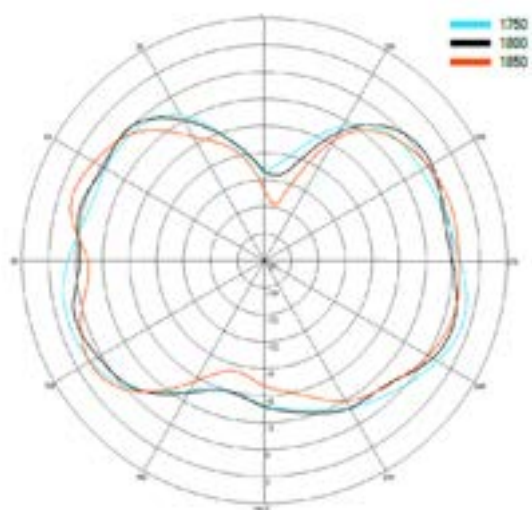
Typical H Plane- Cell C- Patterns- 1450-1500 MHz



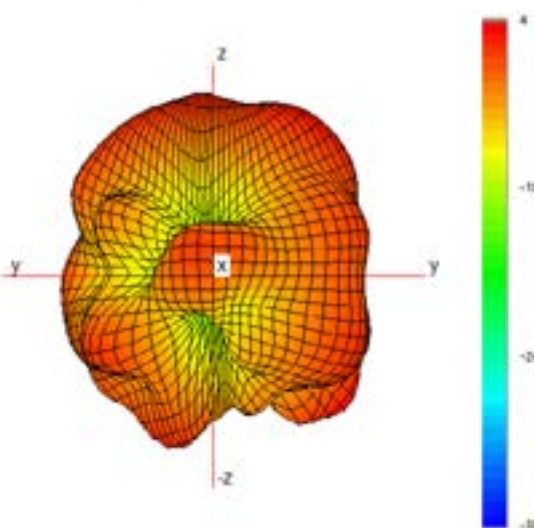
Typical 3D Pattern- Cell C - 1800 MHz



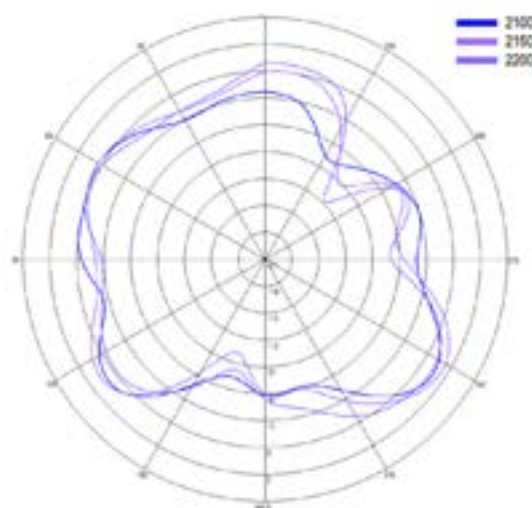
Typical H Plane- Cell C- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell C - 2150 MHz



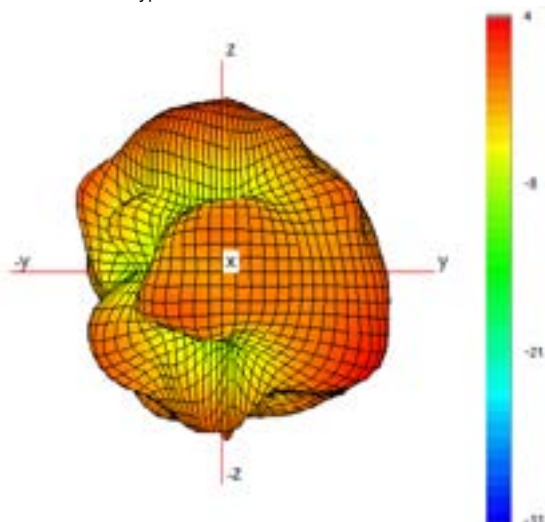
Typical H Plane- Cell C- Patterns- 2100-2200 MHz



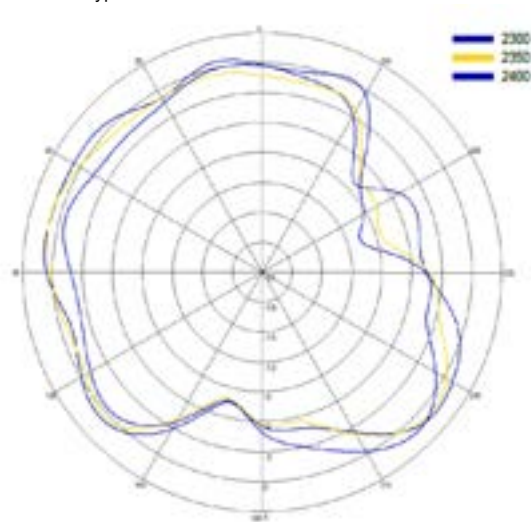


## 3D Patterns Cell C

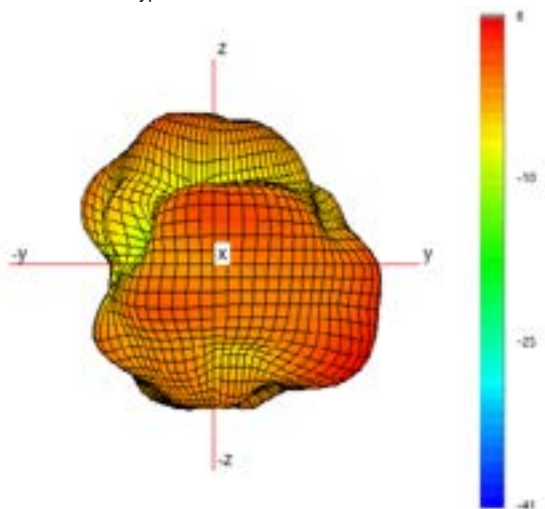
Typical 3D Pattern- Cell C - 2350 MHz



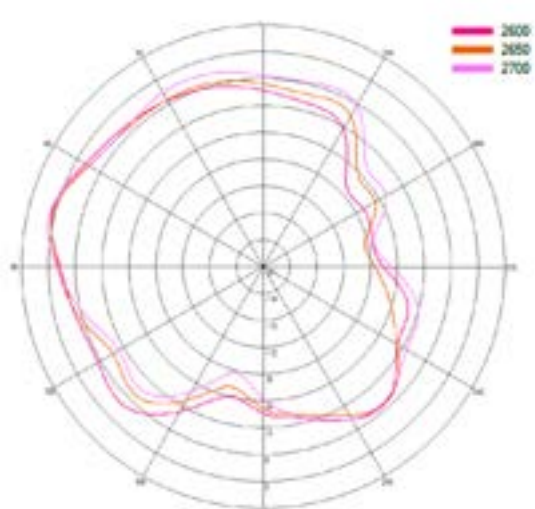
Typical H Plane- Cell C - Patterns- 2300-2400 MHz



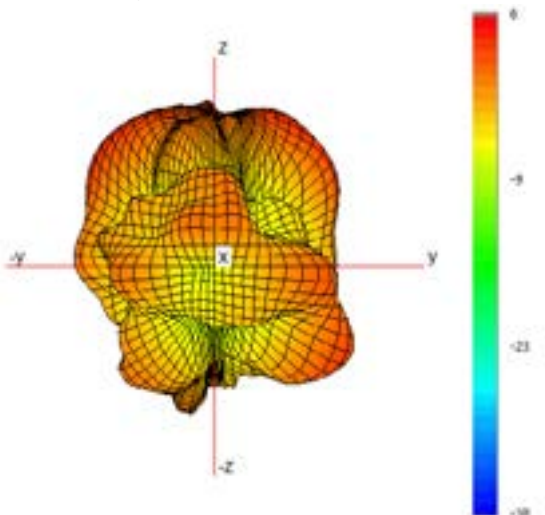
Typical 3D Pattern- Cell C - 2650 MHz



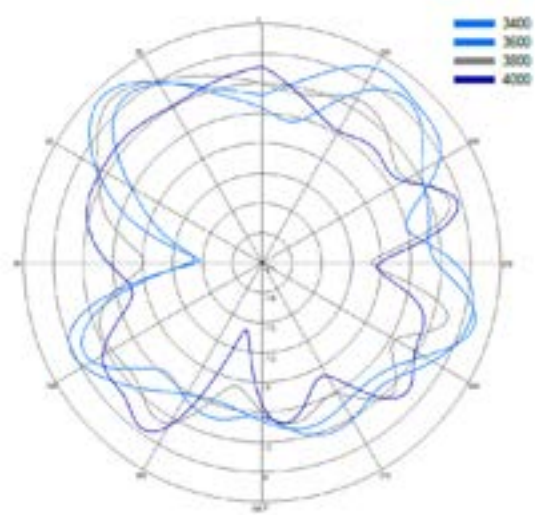
Typical H Plane- Cell C - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell C - 3600 MHz



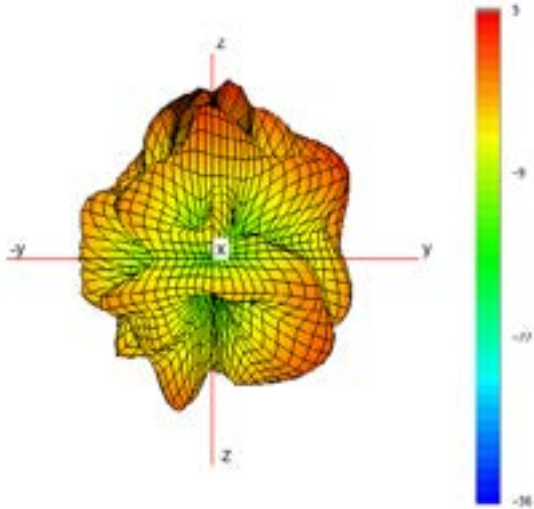
Typical H Plane- Cell C - Patterns- 3400-4000 MHz



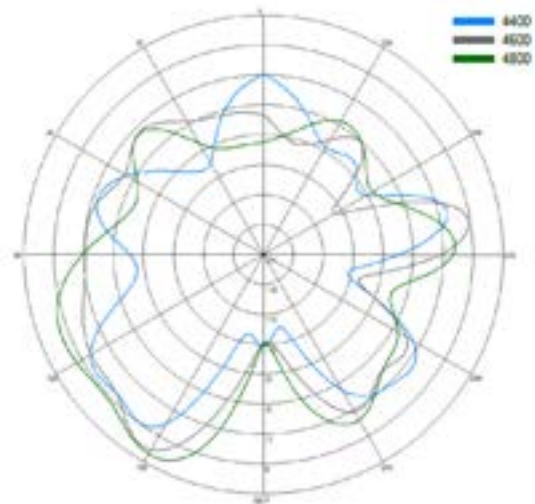


## 3D Patterns Cell C

Typical 3D Pattern- Cell C - 4700 MHz



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



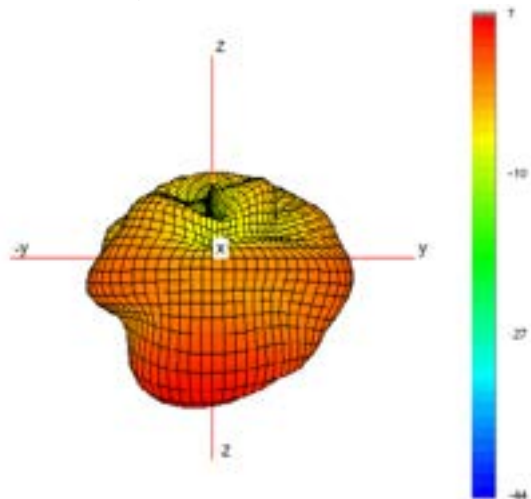
# 4x4 MiMo 4G/5G Antenna

## DWMM4[G]-6-60

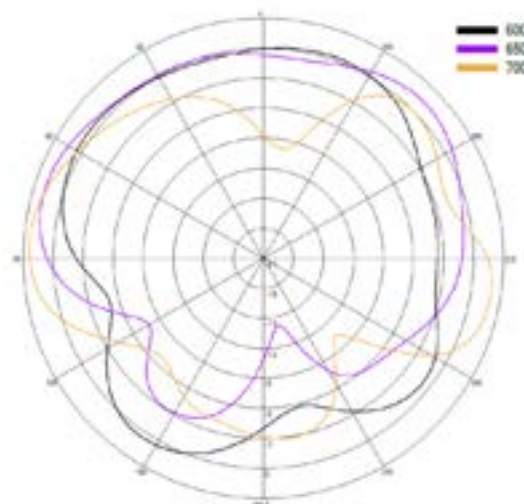
PANORAMA ANTENNAS

### 3D Patterns Cell D

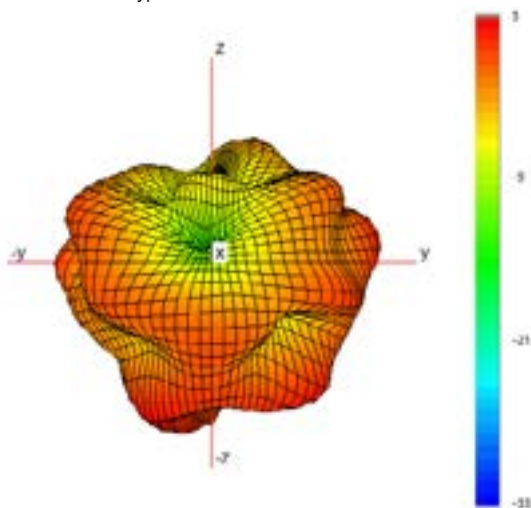
Typical 3D Pattern- Cell D - 650 MHz



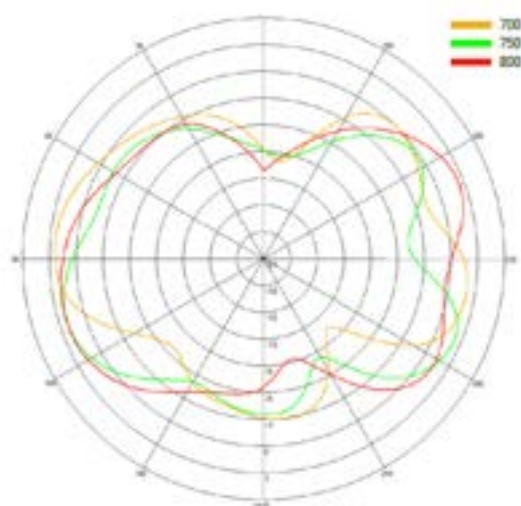
Typical H Plane- Cell D - Patterns- 600-700MHz



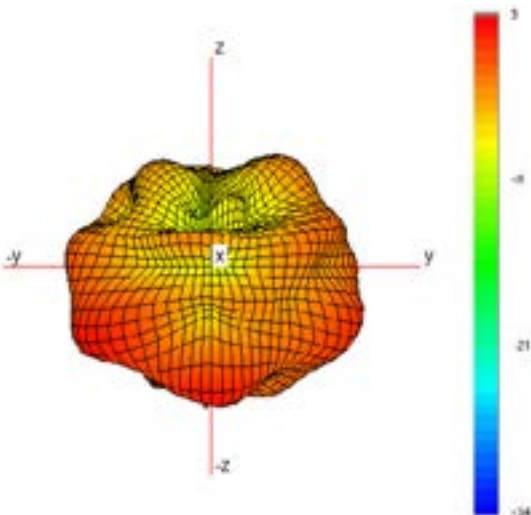
Typical 3D Pattern- Cell D - 750 MHz



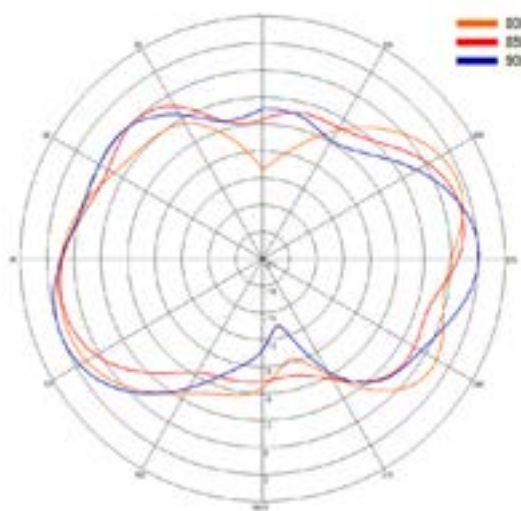
Typical H Plane- Cell D - Patterns- 700-800MHz



Typical 3D Pattern- Cell D - 850 MHz

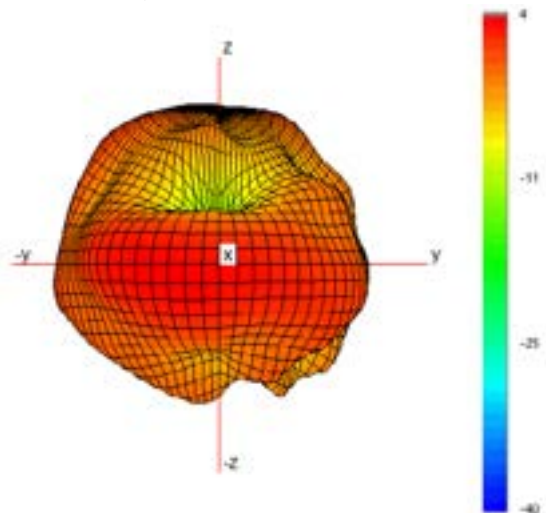


Typical H Plane- Cell D - Patterns- 800-900MHz

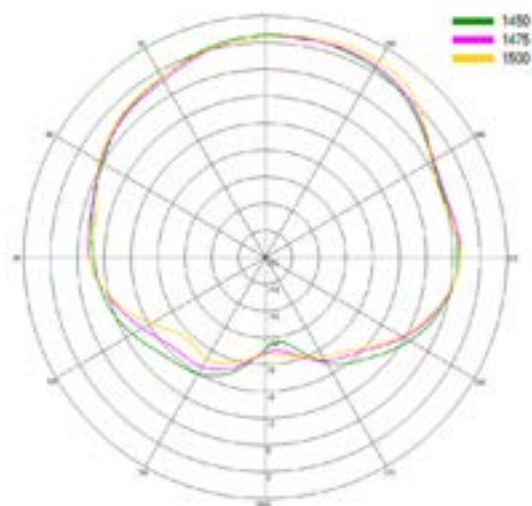


### 3D Patterns Cell D

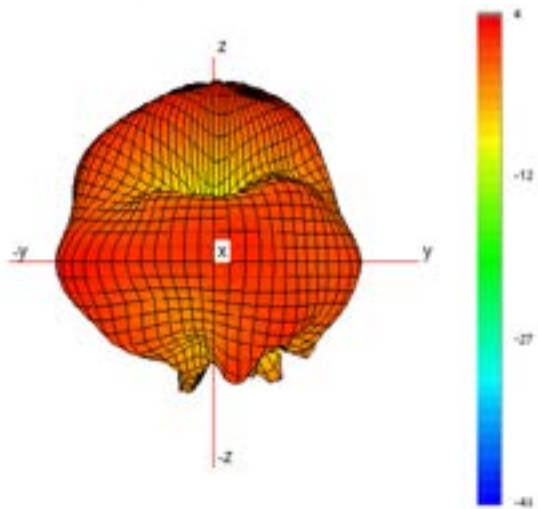
Typical 3D Pattern- Cell D - 1475 MHz



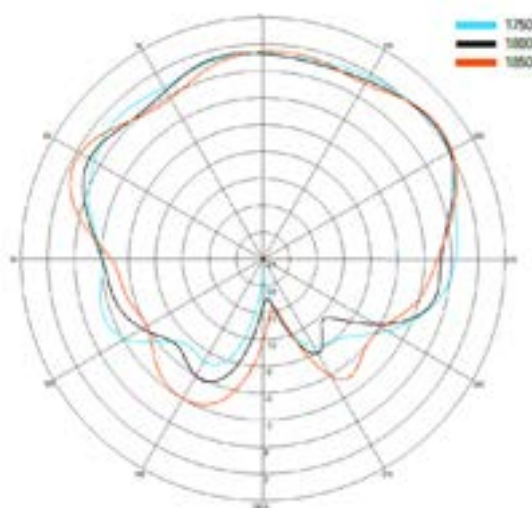
Typical H Plane- Cell D- Patterns- 1450-1500 MHz



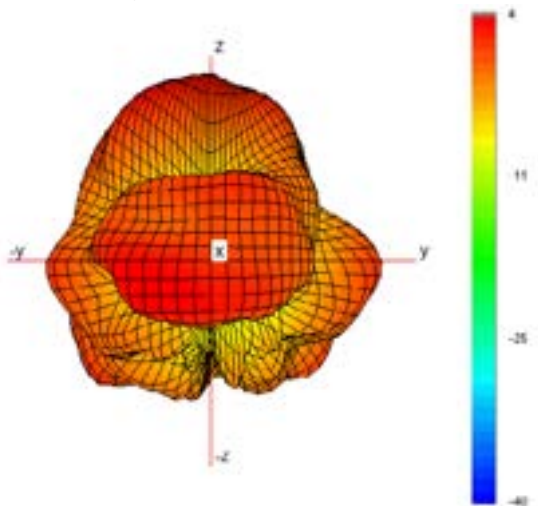
Typical 3D Pattern- Cell D - 1800 MHz



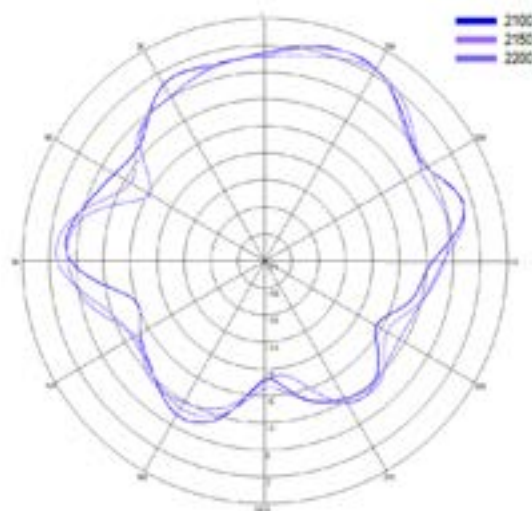
Typical H Plane- Cell D- Patterns- 1750-1850 MHz



Typical 3D Pattern- Cell D - 2150 MHz



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





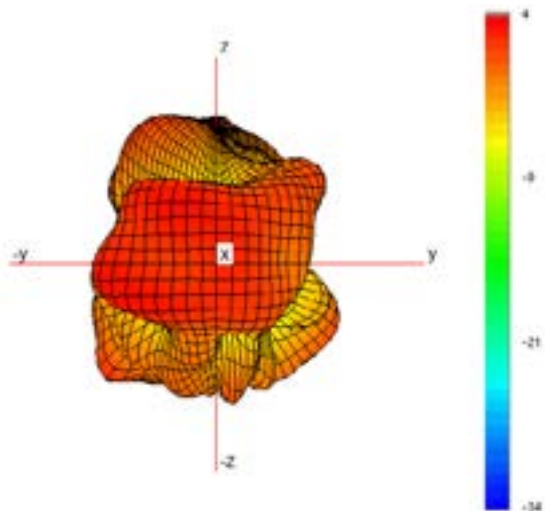
# 4x4 MiMo 4G/5G Antenna

## DWMM4[G]-6-60

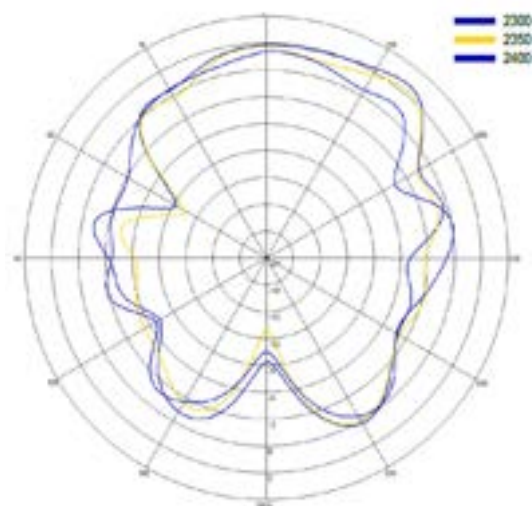
PANORAMA ANTENNAS

### 3D Patterns Cell D

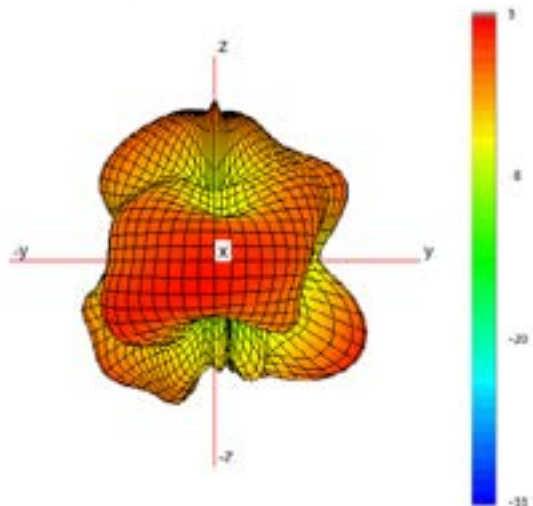
Typical 3D Pattern- Cell D - 2350 MHz



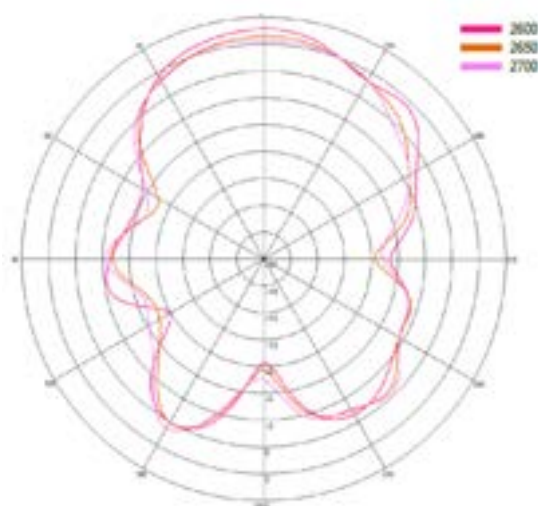
Typical H Plane- Cell D - Patterns- 2300-2400 MHz



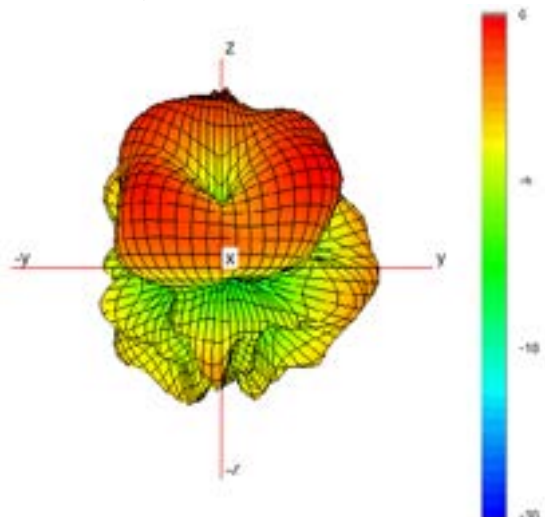
Typical 3D Pattern- Cell D - 2650 MHz



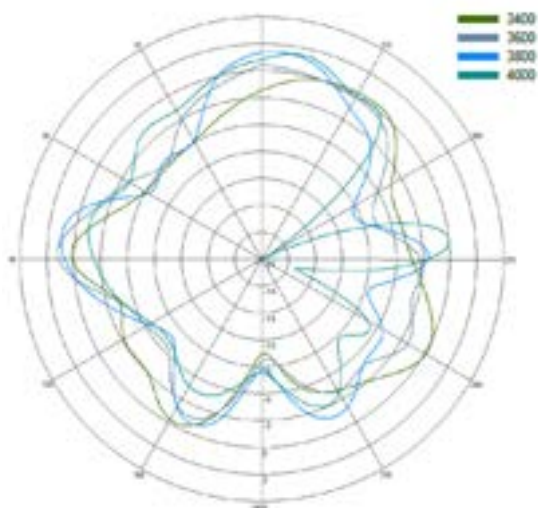
Typical H Plane- Cell D - Patterns- 2600-2700 MHz



Typical 3D Pattern- Cell D - 3600 MHz



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



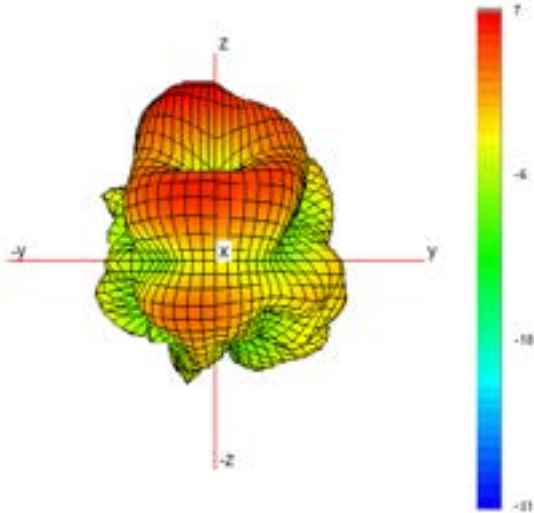


# 4x4 MiMo 4G/5G Antenna

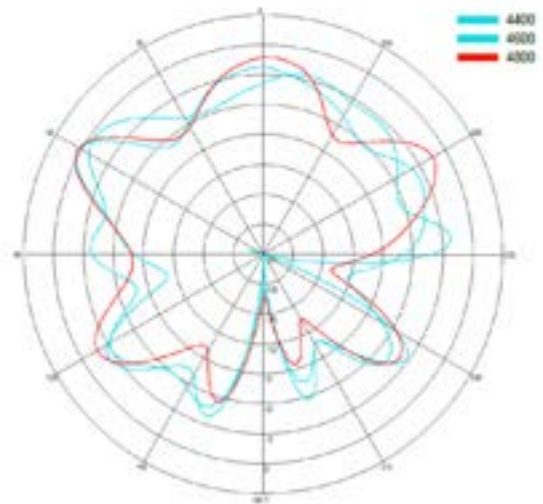
## DWMM4[G]-6-60

### 3D Patterns Cell D

Typical 3D Pattern- Cell D - 4700 MHz



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



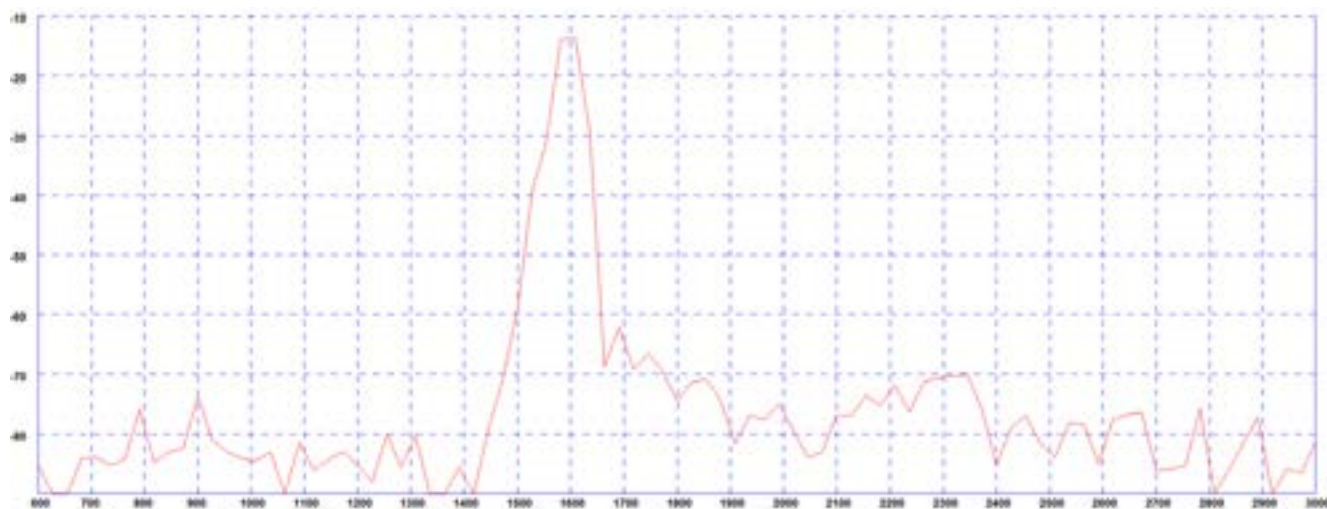
# 4x4 MiMo 4G/5G Antenna

DWMM4[G]-6-60

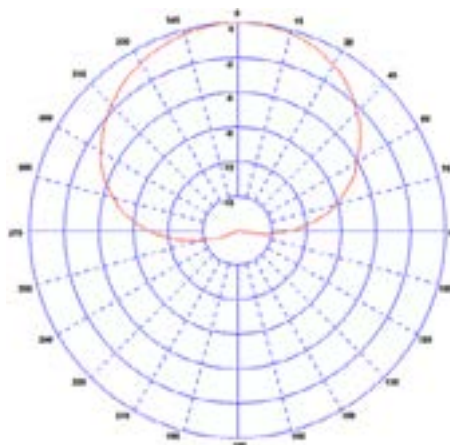
PANORAMA ANTENNAS

## Electrical Data- L1 GPS/GNSS

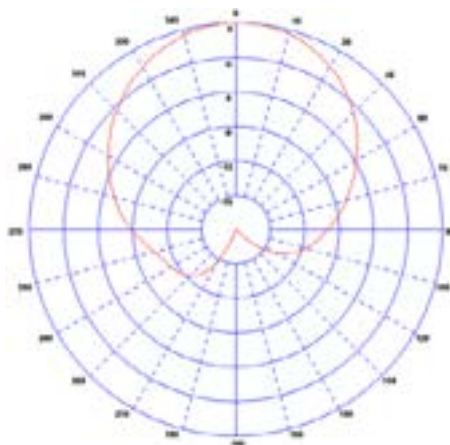
Swept Peak Gain GPS/GNSS



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

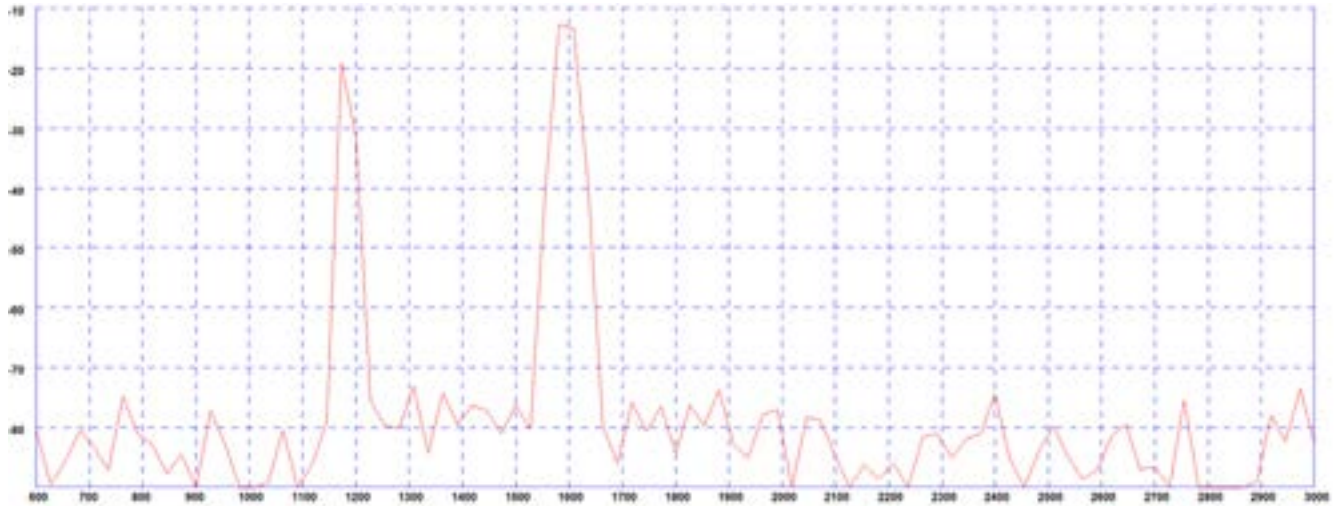
# 4x4 MiMo 4G/5G Antenna

## DWMM4[G]-6-60

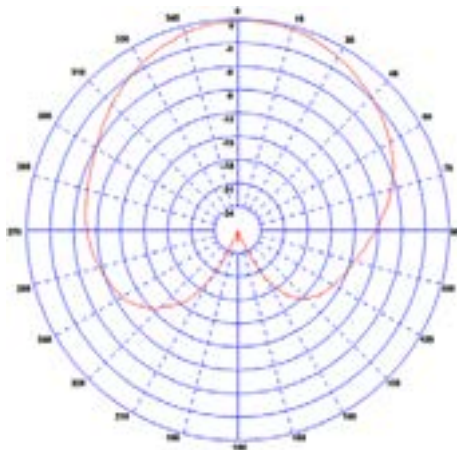
PANORAMA ANTENNAS

Electrical Data- L1/L5  
GPS/GNSS

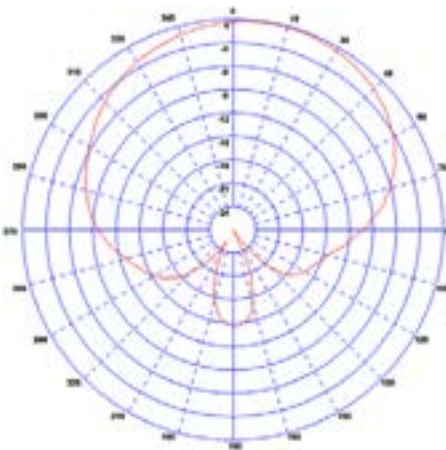
Swept Peak Gain GPS/GNSS



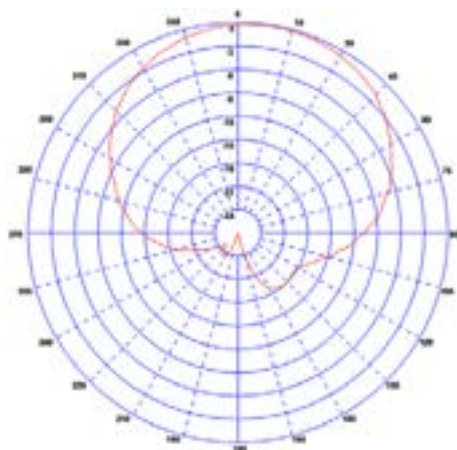
Typical E Plane Pattern - GPS/GNSS 1575 MHz



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