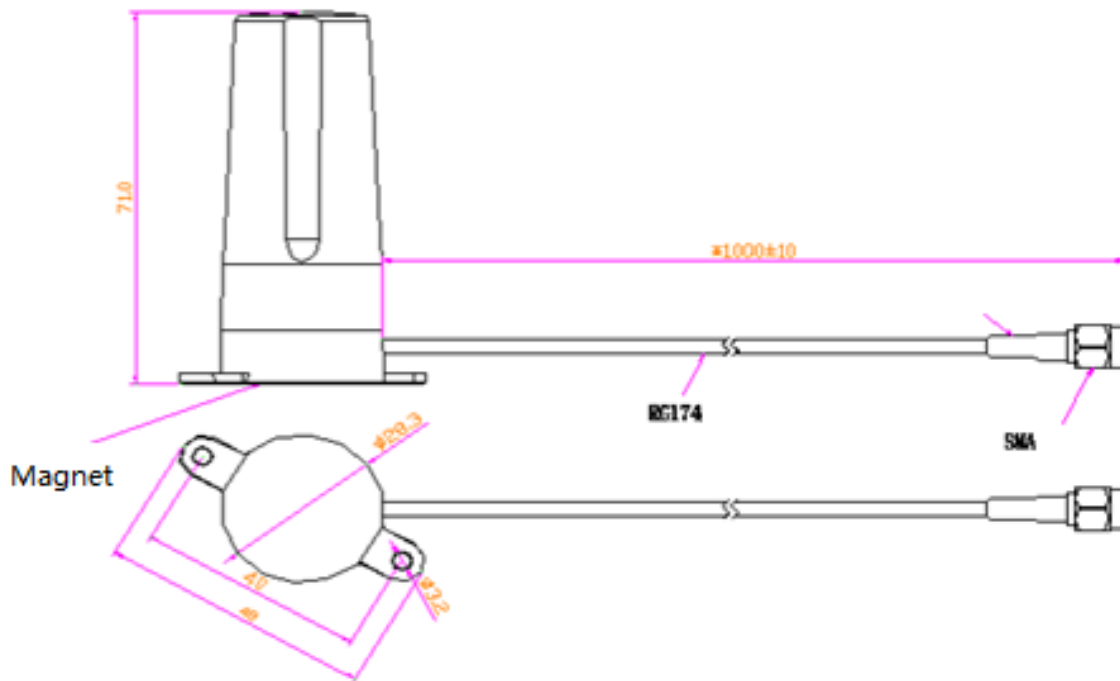


Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet



Mechanical Dimension



Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet

Specifications

| Item | Specifications | |
|---------------|--------------------------|--|
| Antenna | Frequency Range | 600-960/1710-6000MHz |
| | Polarization | Linear |
| | Gain | 6dBi Maximum |
| | V.S.W.R | <2 |
| | Impedance | 50Ω |
| | Dimension | 71 *48 *28.3mm |
| Mechanical | Cable | RG174 (1.5M or customised) |
| | Connector | SMA or others |
| | Radome Material | ABS |
| | Mounting Method | Magnet mount +Screw Hole |
| Environmental | Operating Temperature | -40°C ~+85°C |
| | Relative Humidity | Up to 95% |
| | Waterproof | IP65 |
| | Vibration | 10 to 55Hz with 1.5mm amplitude 2hours |
| | Environmentally Friendly | ROHS Compliant |
| | UV Stabilized | YES |

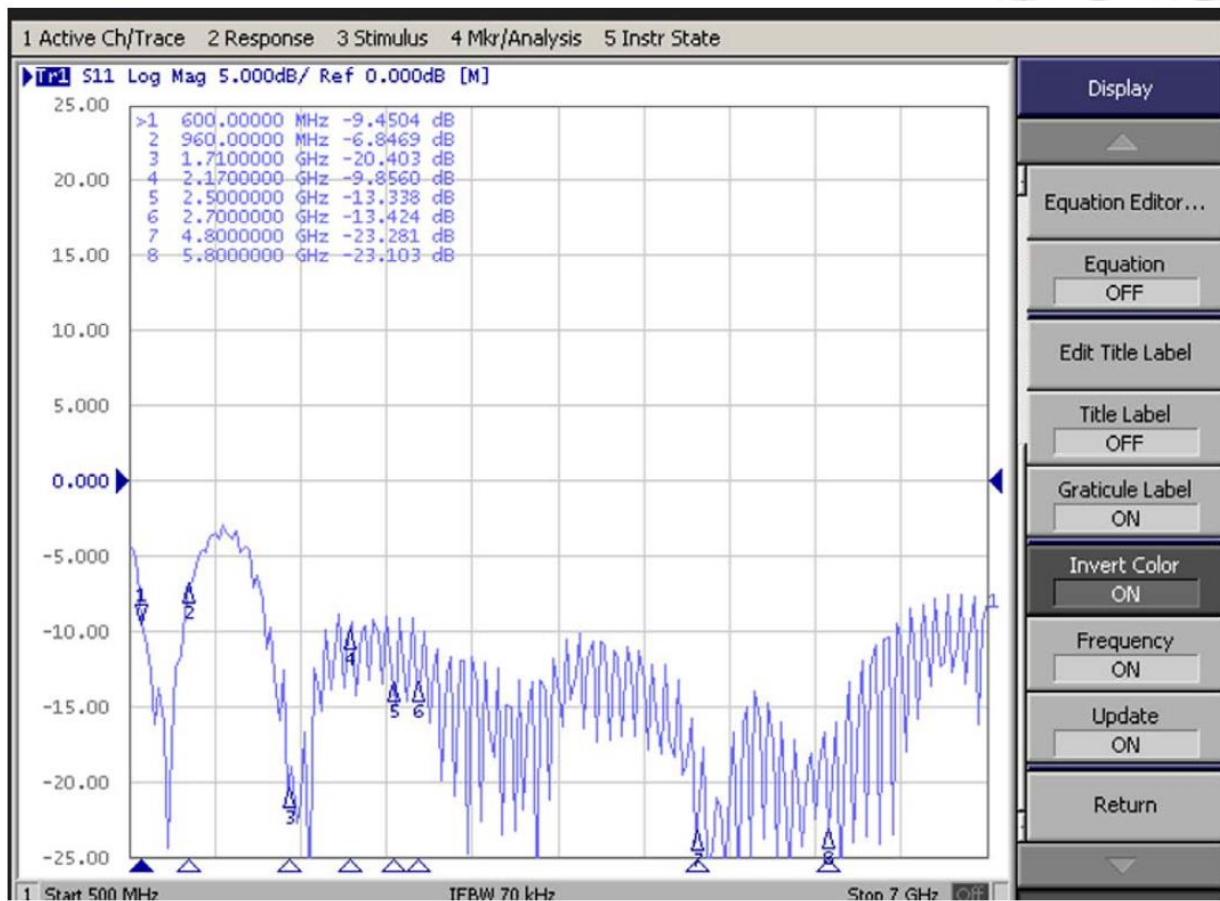
Installation Guide

- ❖ Please install the antenna on a metal surface for magnet installation.
- ❖ The recommended metal plane for this antenna is 12cm X 12cm

Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet

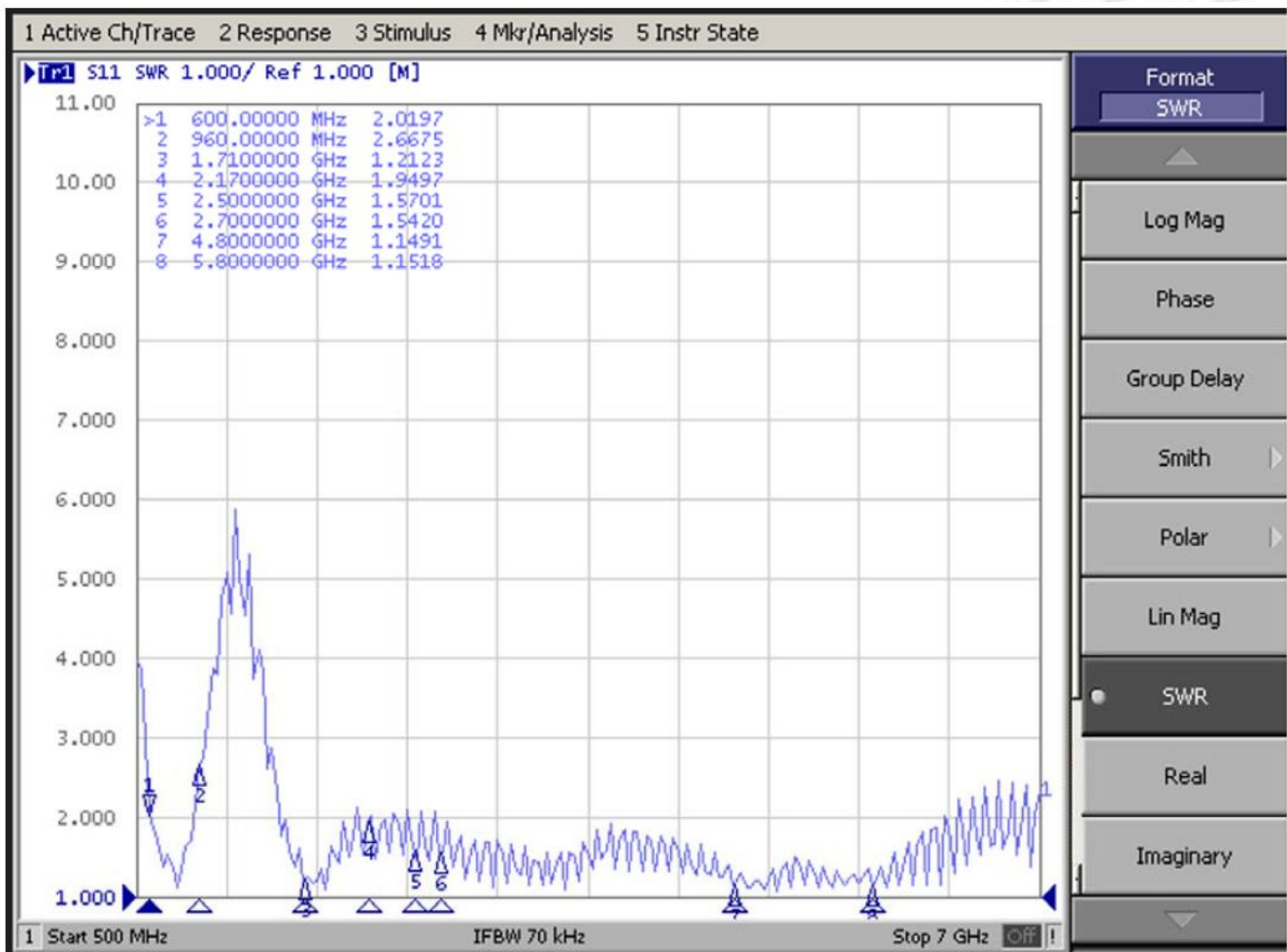
Measured Results S11



Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet

Measured Results VSWR



Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

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Measured Gain Performances

| Passive Test For 600-6000 | | |
|---------------------------|----------|------------|
| Freq (MHz) | Effi (%) | Gain (dBi) |
| 600 | 24.18 | -1.98 |
| 650 | 28.66 | -2.64 |
| 700 | 38.42 | -0.03 |
| 750 | 56.43 | -0.28 |
| 800 | 62.93 | 2.3 |
| 850 | 59.67 | 0.41 |
| 900 | 56.84 | 0.89 |
| 950 | 46.23 | 0.78 |
| 1000 | 48 | 2.11 |
| 1050 | 54.69 | 3.47 |
| 1100 | 45.41 | 2.14 |
| 1150 | 31.19 | 0.45 |
| 1200 | 24.71 | -2.53 |
| 1250 | 22.83 | -3.22 |
| 1300 | 20.94 | -3.43 |
| 1350 | 24.62 | -1.49 |
| 1400 | 28.01 | -0.77 |
| 1450 | 40.75 | 0.16 |
| 1500 | 39.39 | -0.8 |
| 1550 | 43.11 | -0.65 |
| 1600 | 50.35 | 1.08 |
| 1650 | 54.81 | 0.94 |
| 1700 | 46.27 | 1.52 |
| 1750 | 47.97 | 0.75 |
| 1800 | 47.78 | 1.03 |
| 1850 | 53.33 | 1.81 |
| 1900 | 66.26 | 3.26 |
| 1950 | 66.14 | 4.01 |
| 2000 | 64 | 3.87 |
| 2050 | 65.18 | 4.29 |
| 2100 | 68.07 | 4.56 |
| 2150 | 52.51 | 3.63 |
| 2200 | 51.88 | 3.52 |
| 2250 | 55.44 | 3.62 |

| Passive Test For 600-6000 | | |
|---------------------------|-------|------|
| 2300 | 59.35 | 4.23 |
| 2350 | 63.99 | 4.7 |
| 2400 | 63.95 | 4.55 |
| 2450 | 59.72 | 4.65 |
| 2500 | 64.69 | 4.45 |
| 2550 | 60.8 | 4.11 |
| 2600 | 57.3 | 4.05 |
| 2650 | 55.94 | 3.94 |
| 2700 | 51.22 | 3.52 |
| 2750 | 47.38 | 3.43 |
| 2800 | 61.15 | 4.92 |
| 2850 | 56.43 | 5.05 |
| 2900 | 51.58 | 4.85 |
| 2950 | 50.25 | 5.12 |
| 3000 | 49.22 | 5.07 |
| 3050 | 49.62 | 5.15 |
| 3100 | 54.6 | 5.55 |
| 3150 | 54.15 | 5.25 |
| 3200 | 60.86 | 5.69 |
| 3250 | 66.65 | 6.15 |
| 3300 | 71.28 | 6.33 |
| 3350 | 78.36 | 6.39 |
| 3400 | 78.3 | 6.09 |
| 3450 | 74.56 | 5.66 |
| 3500 | 68.58 | 5.35 |
| 3550 | 65.7 | 5.11 |
| 3600 | 68.4 | 5.36 |
| 3650 | 68.61 | 5.37 |
| 3700 | 62.37 | 4.67 |
| 3750 | 62.4 | 4.66 |
| 3800 | 58.95 | 4.59 |
| 3850 | 62.41 | 4.72 |
| 3900 | 68.67 | 5.11 |
| 3950 | 70.61 | 5.17 |
| 4000 | 77.22 | 5.36 |
| 4050 | 76.74 | 5.24 |
| 4100 | 76.44 | 5.11 |

| Passive Test For 600-6000 | | |
|---------------------------|-------|------|
| 4150 | 79.19 | 5.15 |
| 4200 | 74.83 | 4.82 |
| 4250 | 74.42 | 4.58 |
| 4300 | 73.49 | 4.69 |
| 4350 | 68.53 | 4.32 |
| 4400 | 70.95 | 4.43 |
| 4450 | 68.01 | 4.15 |
| 4500 | 70.9 | 4.33 |
| 4550 | 69.68 | 4.22 |
| 4600 | 63.7 | 3.89 |
| 4650 | 65.16 | 4.09 |
| 4700 | 64.52 | 4.12 |
| 4750 | 60.22 | 4.02 |
| 4800 | 62.13 | 4.31 |
| 4850 | 56.51 | 3.93 |
| 4900 | 55.12 | 3.86 |
| 4950 | 51.97 | 3.56 |
| 5000 | 51.65 | 3.44 |
| 5050 | 46.26 | 2.77 |
| 5100 | 47.85 | 2.76 |
| 5150 | 45.8 | 2.27 |
| 5200 | 44.69 | 2.01 |
| 5250 | 49.25 | 2.39 |
| 5300 | 49.25 | 2.45 |
| 5350 | 53.34 | 3 |
| 5400 | 55.58 | 3.25 |
| 5450 | 52.45 | 3.19 |
| 5500 | 51.66 | 3.28 |
| 5550 | 52.37 | 3.65 |
| 5600 | 52.08 | 3.7 |
| 5650 | 53.99 | 3.85 |
| 5700 | 55.02 | 4.1 |
| 5750 | 56.92 | 4.23 |
| 5800 | 54.19 | 4.15 |
| 5850 | 56.85 | 4.46 |
| 5900 | 51.74 | 4.17 |
| 5950 | 65.46 | 5.12 |
| 6000 | 62.48 | 4.29 |

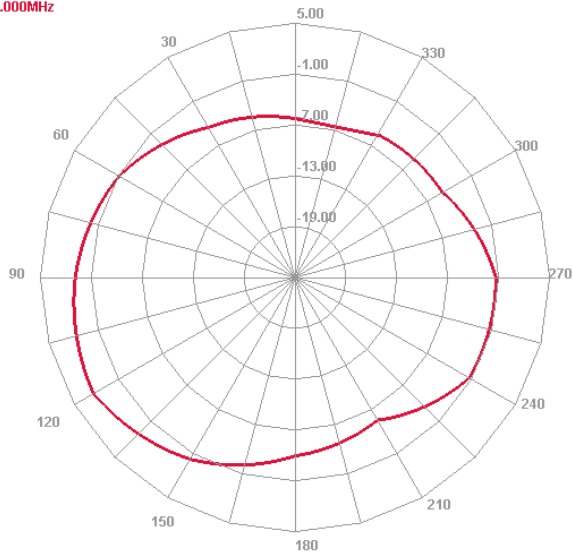
Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet

700MHz

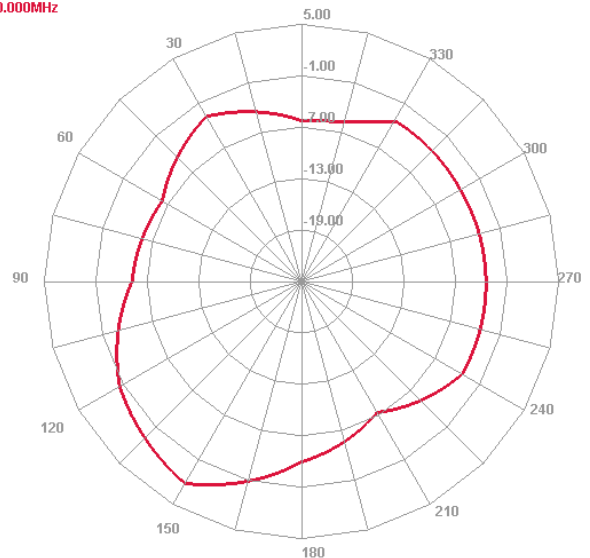
E1 Face

700.000MHz



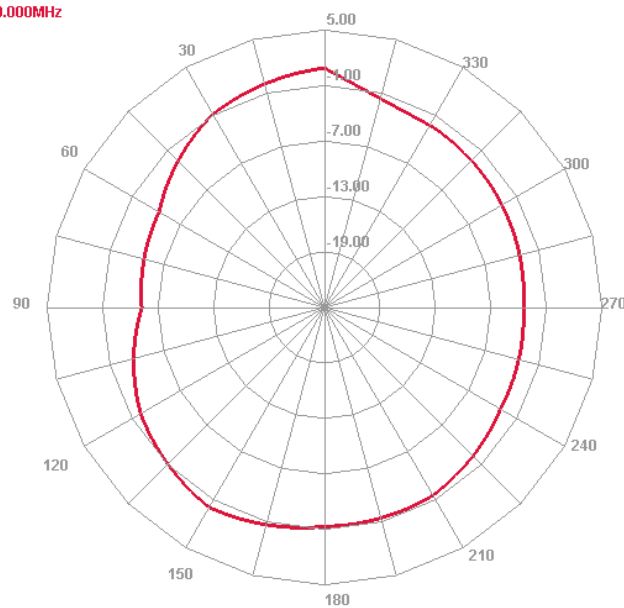
E2 Face

700.000MHz



Horizontal

700.000MHz



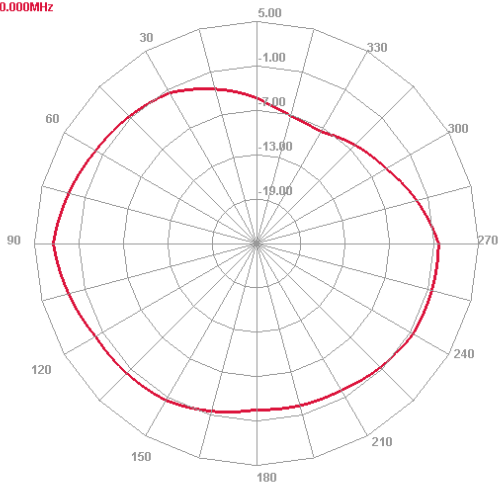
Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet

1800MHz

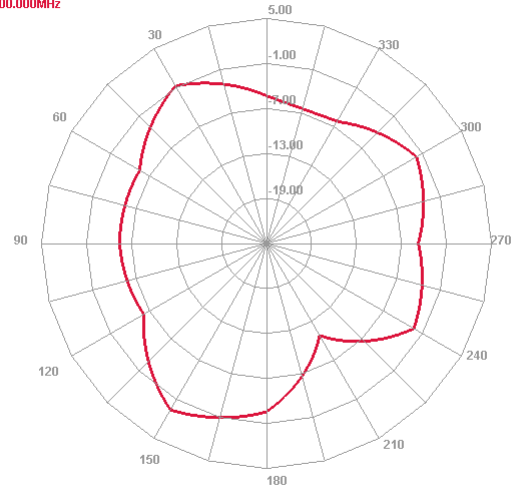
E1 Face

1800.000MHz



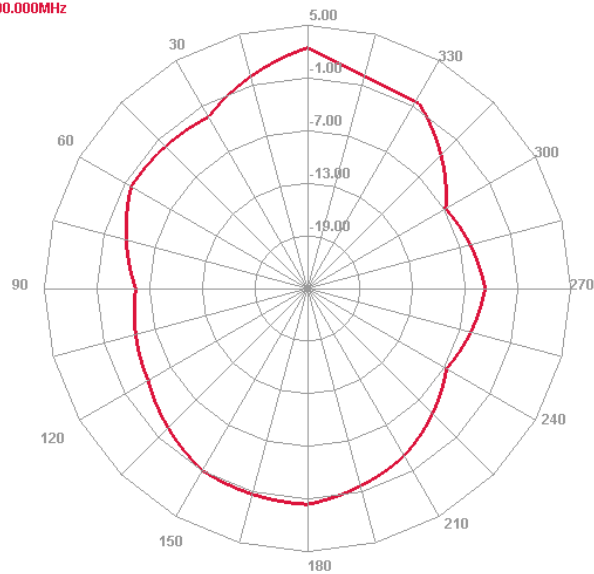
E2 Face

1800.000MHz



Horizontal

1800.000MHz



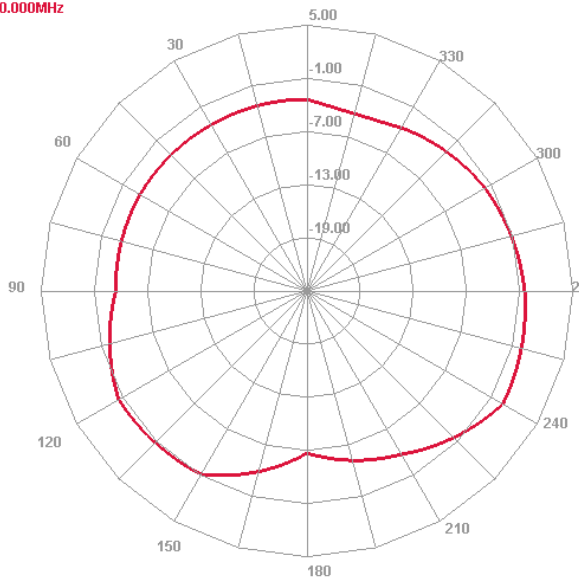
Maswell Cellular Antenna 5G 4G WiFi6 Magnet and Screw Mount

AN_5G_095-Magnet

2600MHz

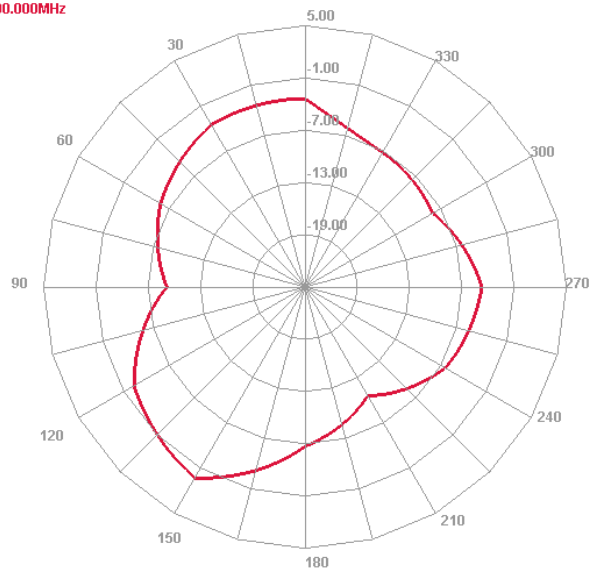
E1 Face

2600.000MHz



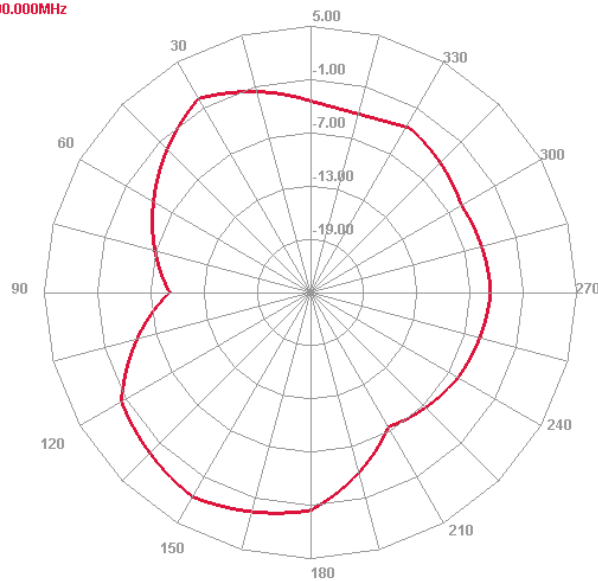
E2 Face

2600.000MHz



Horizontal

2600.000MHz



Maswell Cellular Antenna 5G 4G WiFi6
Magnet and Screw Mount

AN_5G_095-Magnet

Measured Results Gain and Efficiency

600.00MHz - 6000.00MHz Gain



600.00MHz - 6000.00MHz Efficiency

