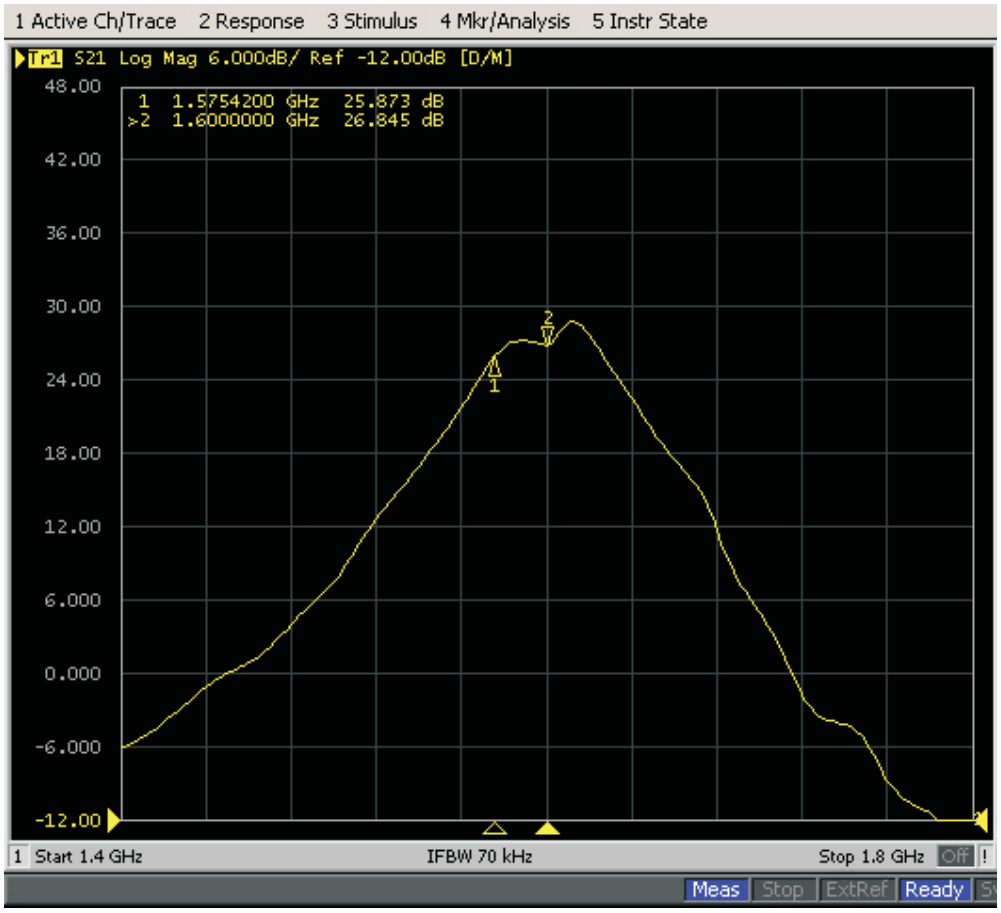


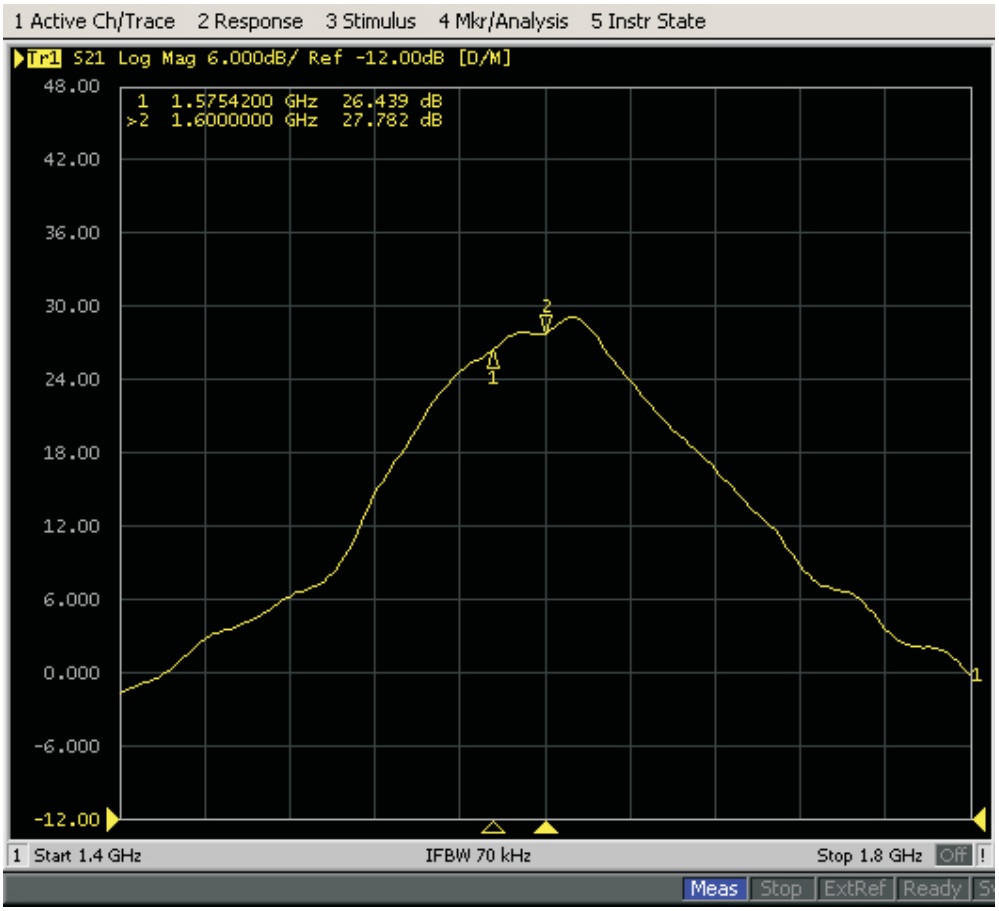
# reference 2J860B

| | |
|---|---|
| mounting position | **any surface** |
| frequency | **AMPS / 900/1800/1900/2100/MHz** |
| | **Bluetooth-Wifi 2400 MHz/GPS /Glonass** |
| impedance | **50 Ohms** |
| gain | **GPS: 26dB at 3V, 28dB at 5V** |
| | **GSM: 3dBi max.** |
| noise figure | **GPS/Glonass 1.15dB** |
| voltage supply | **2,7V - 5,5V** |
| current | **15mA - 25mA** |
| power max. | **138 mW** |
| VSWR | **<2:1 for GSM** |
| | **<1,2:1 for GPS** |
| polarization | **GPS RHCP; GSM: Vertical** |
| cable | **2 x RG174** |
| housing size | **91mm x 52mm x 48mm (LxWxH)** |
| working temperature | **-40°C to +85°C** |

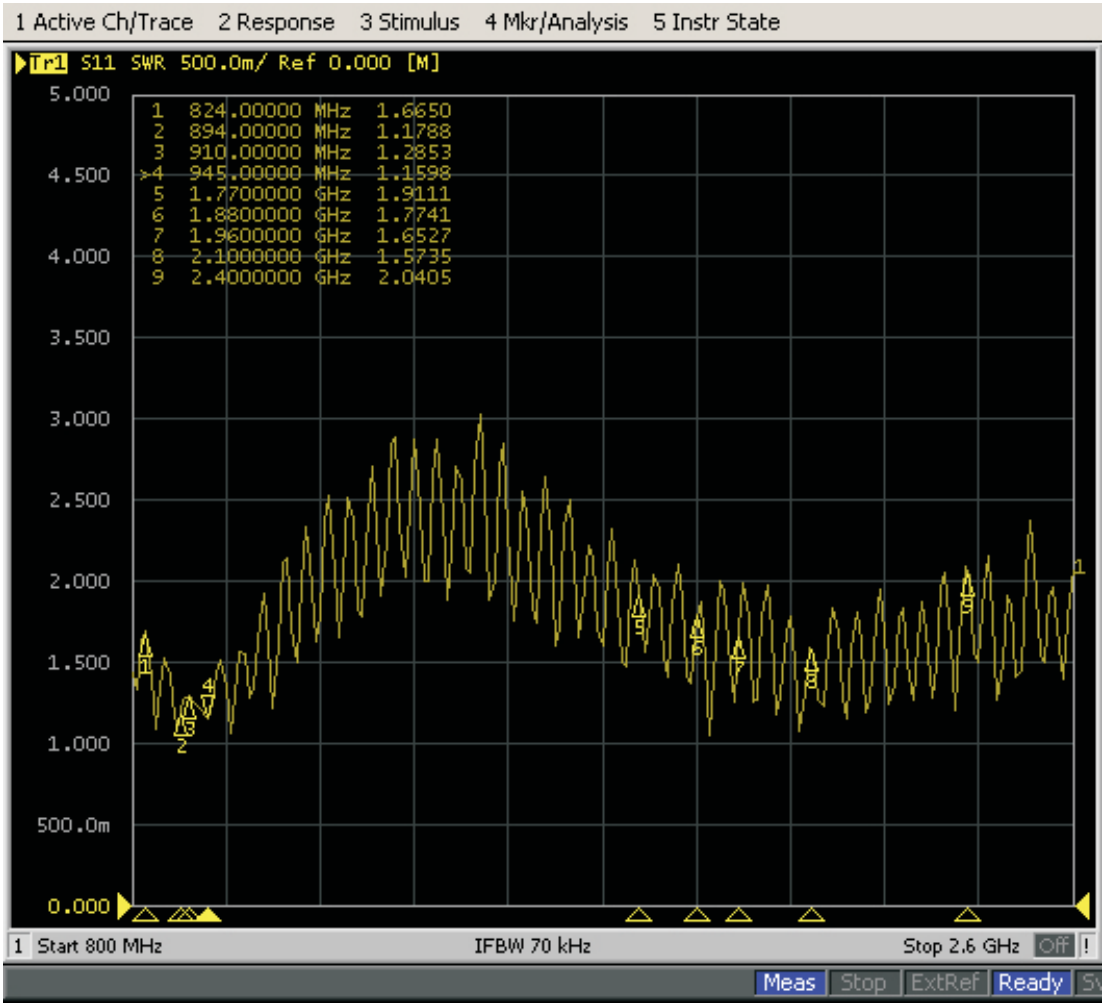
# GPS 3V


1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
Tr1 S21 Log Mag 6.000dB/ Ref -12.00dB [D/M]
1 1.5754200 GHz 25.873 dB
>2 1.6000000 GHz 26.845 dB
48.00
42.00
36.00
30.00
24.00
18.00
12.00
6.000
0.000
-6.000
-12.00
1 Start 1.4 GHz
IFBW 70 kHz
Stop 1.8 GHz
Off
Meas
Stop
ExtRef
Ready

# GPS 5V

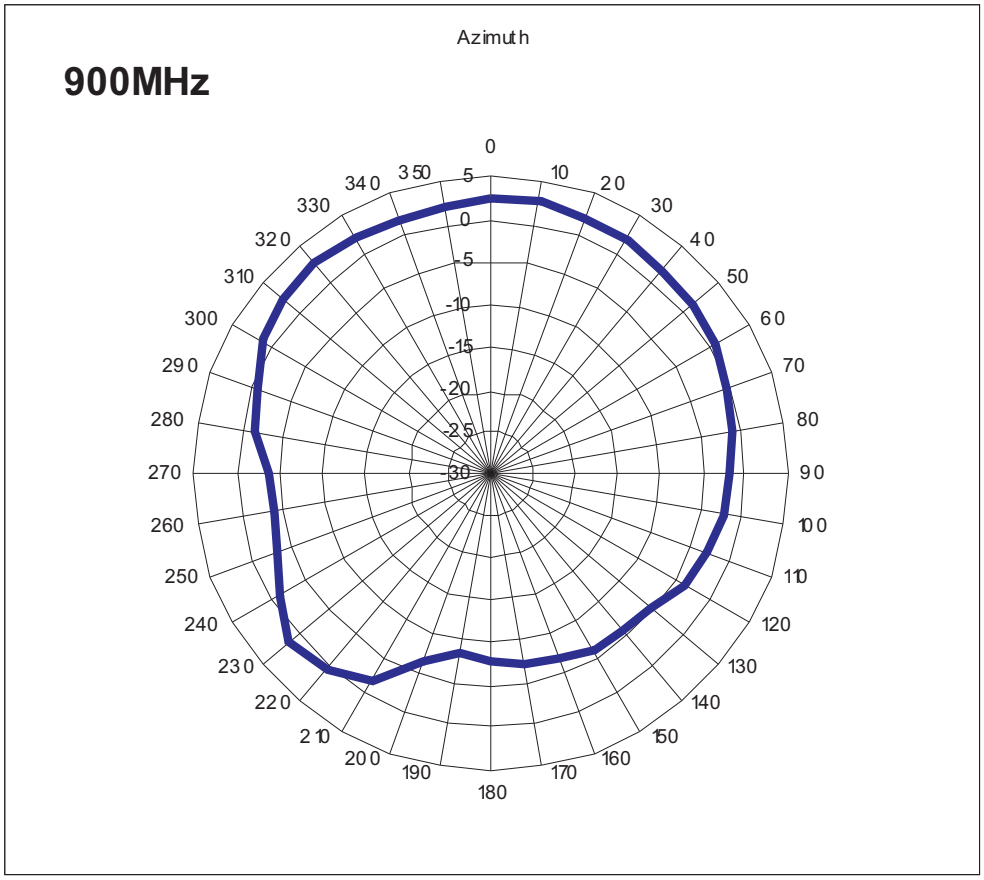

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
Tr1 S21 Log Mag 6.000dB/ Ref -12.00dB [D/M]
1 1.5754200 GHz 26.439 dB
>2 1.6000000 GHz 27.782 dB
48.00
42.00
36.00
30.00
24.00
18.00
12.00
6.000
0.000
-6.000
-12.00
1 Start 1.4 GHz
IFBW 70 kHz
Stop 1.8 GHz
Off
Meas
Stop
ExtRef
Ready

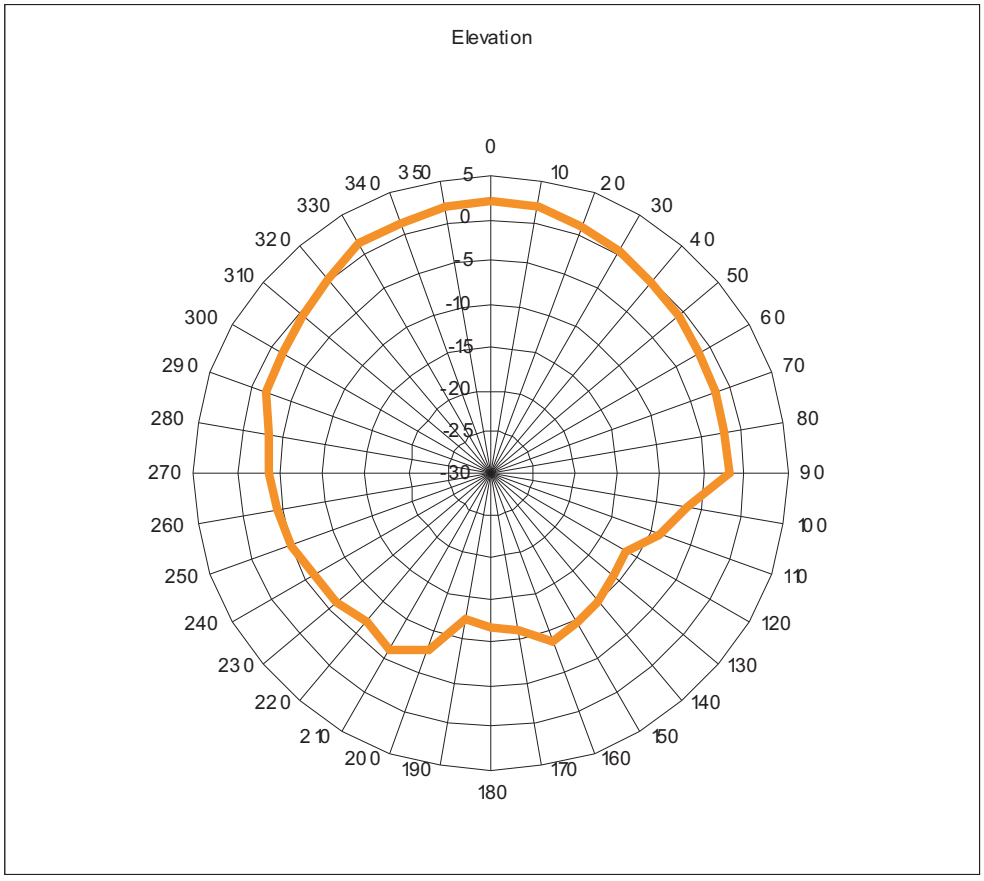
# VSWR



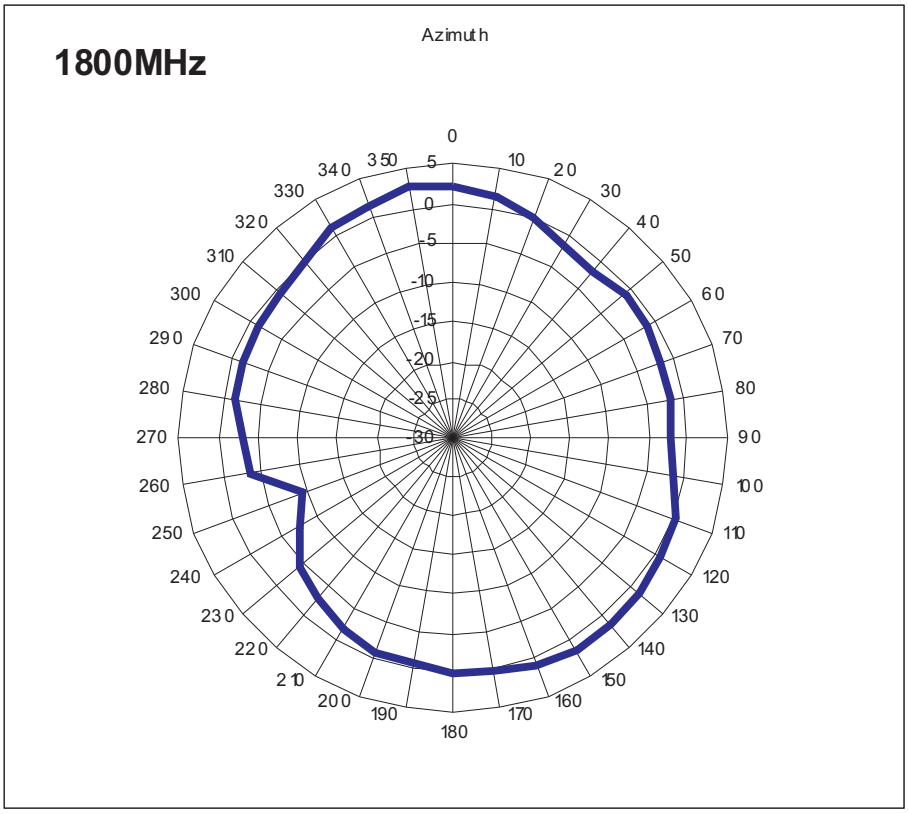

| Frequency | VSWR |
|---|---|
| 824MHz | 1.67 |
| 894MHz | 1.18 |
| 910MHz | 1.29 |
| 945MHz | 1.16 |
| 1770MHz | 1.91 |
| 1880MHz | 1.77 |
| 1900MHz | 1.65 |
| 2100MHz | 1.57 |
| 2400MHz | 2.04 |

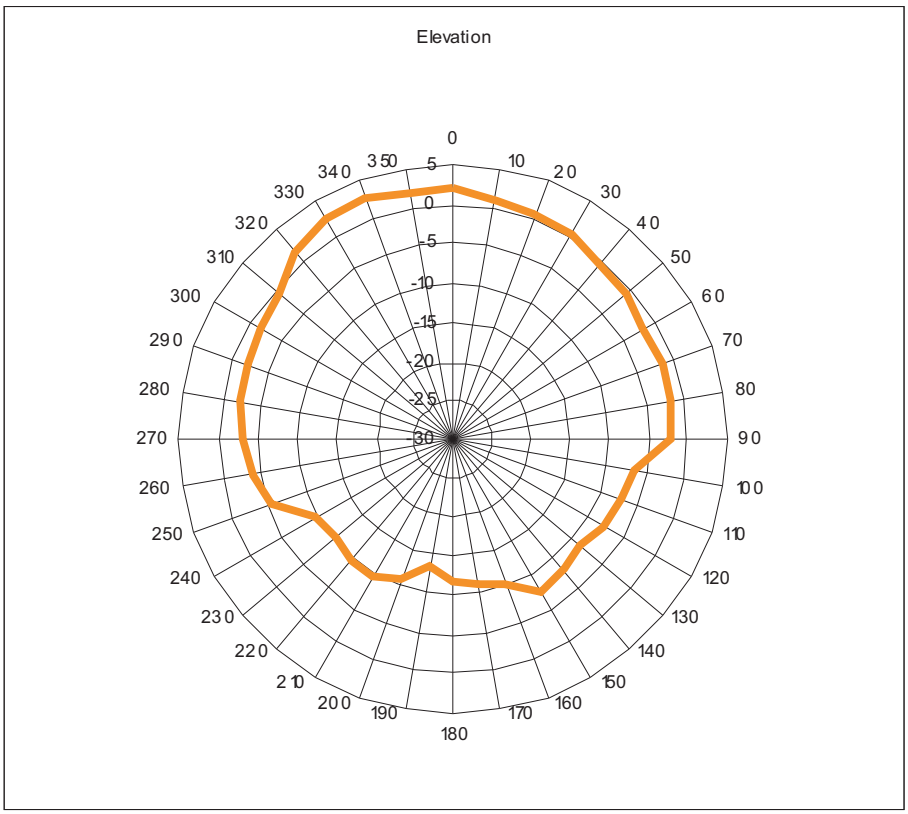
# RADIATION PATTERNS



# RADIATION PATTERNS

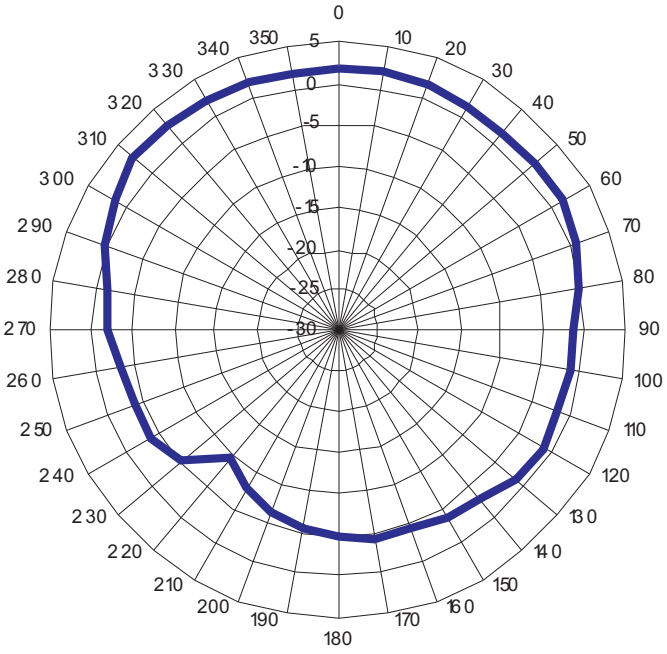


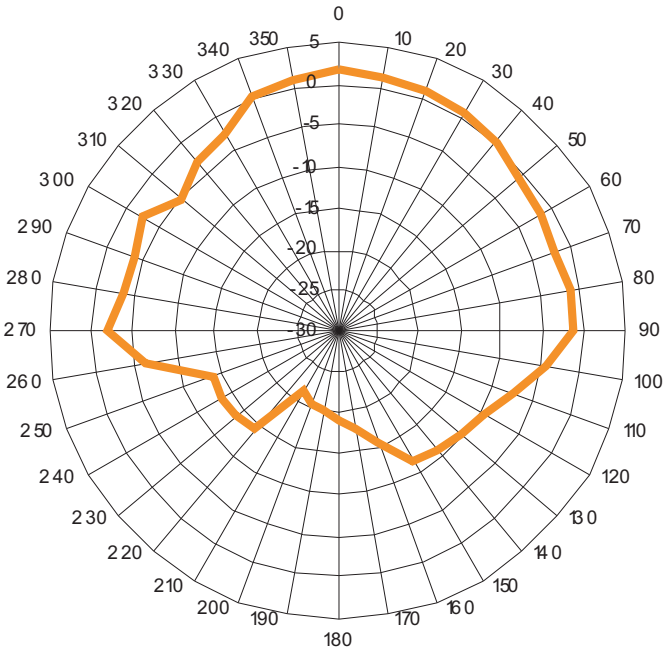
# RADIATION PATTERNS

Azimuth

**2100MHz**




Elevation



# RADIATION PATTERNS

