Stigwize 4x 5G Puck Antenna

4x 5G

Product Stigwize 4x 5G Puck Antenna

SKU STI-PUCK-45G

EAN 8785285643426

Capestone articlenumber STI20012

RoHS COMPLIANT

Stigwize 4x 5G Puck Antenna

The Stigwize 4x 5G Puck Antenna is a high-performance, four-in-one rooftop antenna designed specifically for both 4G and 5G networks. This rugged, roof-mount screw antenna is optimized for a broad spectrum of frequency bands, making it an ideal choice for advanced wireless communication systems. With compact dimensions of L82 x W80 x H104 mm, this antenna offers an excellent balance of form factor and performance, perfect for mobile and fixed installations.

Features

- Antenna type: Roof mount with screw mount
- Dimensions: Length 82mm, Width 80mm, Height 104mm
- Temperature range: -40 to +85 °C
- Humidity: 40% to 95% RH
- Amplification (dBi): 1 dBi for 700-960 MHz, 4 dBi for 1700-2700 MHz and 3300-3800 MHz
- Frequency range: Supports 700-960 MHz, 1700-2700 MHz, and 3300-3800 MHz
- VSWR: < 2.3, indicating excellent adaptation and minimal signal loss
- Polarization: Linear vertical polarization for optimal signal reception

Key features

- Versatile Frequency Support: Suitable for a wide range of bands, making it an excellent choice for versatile wireless applications.
- High Performance: Provides excellent amplification across key 4G and 5G frequency bands for reliable connectivity and fast data transmission.
- Durable Design: Designed to operate under extreme temperature and humidity conditions, ideal for outdoor use.
- Easy Installation: The screw mounting on the roof and the included RG174 coaxial cables (length 3m x 4) with SMA connectors ensure easy and sturdy installation.
- Linear Vertical Polarization: Ensures consistent and reliable signal reception, essential for mobile communications and fixed network installations.

The Stigwize 4x 5G Puck Antenna Roof Antenna is designed to maximize the efficiency of your 4G/5G network connectivity, making it an excellent choice for professionals in logistics, security, public safety, and many other industries that depend on reliable wireless communications.

About Stigwize

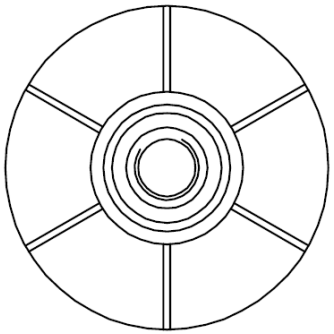
Stigwize is an antenna brand for 4G, 5G, WiFi and GPS antennas for the business market. Stigwize antennas can be used in all kinds of vertical sectors including IoT, Enterprise, Retail, Construction, Mobility, Security and Maritime.

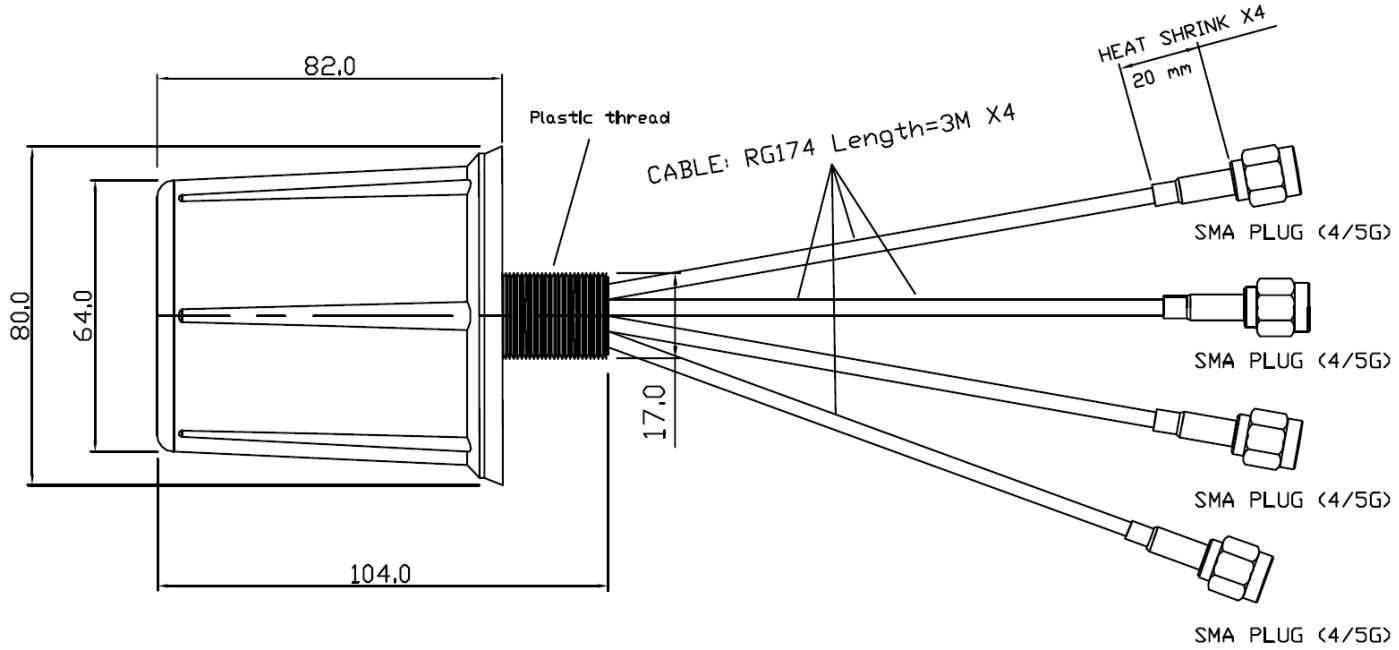
As the European distributor of Stigwize, Capestone supplies the complete antenna portfolio. This portfolio includes 4G and 5G antennas for indoors and outdoors, vandal-resistant puck antennas and screw antennas for mounting on 5G routers.

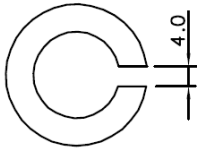
When stigmatizing profits, in addition to favorable pricing, there are also various other benefits including a 24-month warranty and a direct SWAP policy. Capestone's engineers can also put together custom antennas for projects, so that you always have the most suitable solution, as you have come to expect from Capestone.

Specification STI-PUCK-45G	
Model No.	**STI-PUCK-45G**
Antenna Type	Roof Screw Mount
Antenna Size	L82xW80xH104 mm
Temperature	-40 to +85 °C
Humidity	40% to 95% RH
4G/5G	
Gain (dBi)	700-960 1dBi/1700-2700 4dBi/3300-3800MHz 4dBi
Frequency	700-960MHz/1700-2700MHz/3300-3800MHz
V.S.W.R.	<=2.3
Polarization	Linear Vertical
Antenna Cable Connector (4G/5G)	SMA PLUG x4
Antenna Coaxial Cable	RG174 Length=3Mx4

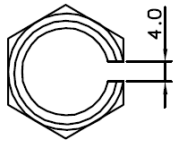
4-5G(700-960 1dBi/1700-2700 4dBi/3300-3800MHz 4dBi)x4 4 IN 1 80x82mm Circle Roof +RG174(3M)x4+SMA PLUG(4/5G)+SMA PLUG(4/5G)+SMA PLUG(4/5G)+SMA PLUG(4/5G) (with gap washer 4mm, od 28mm+gap nut 4mm, hex 19mm)







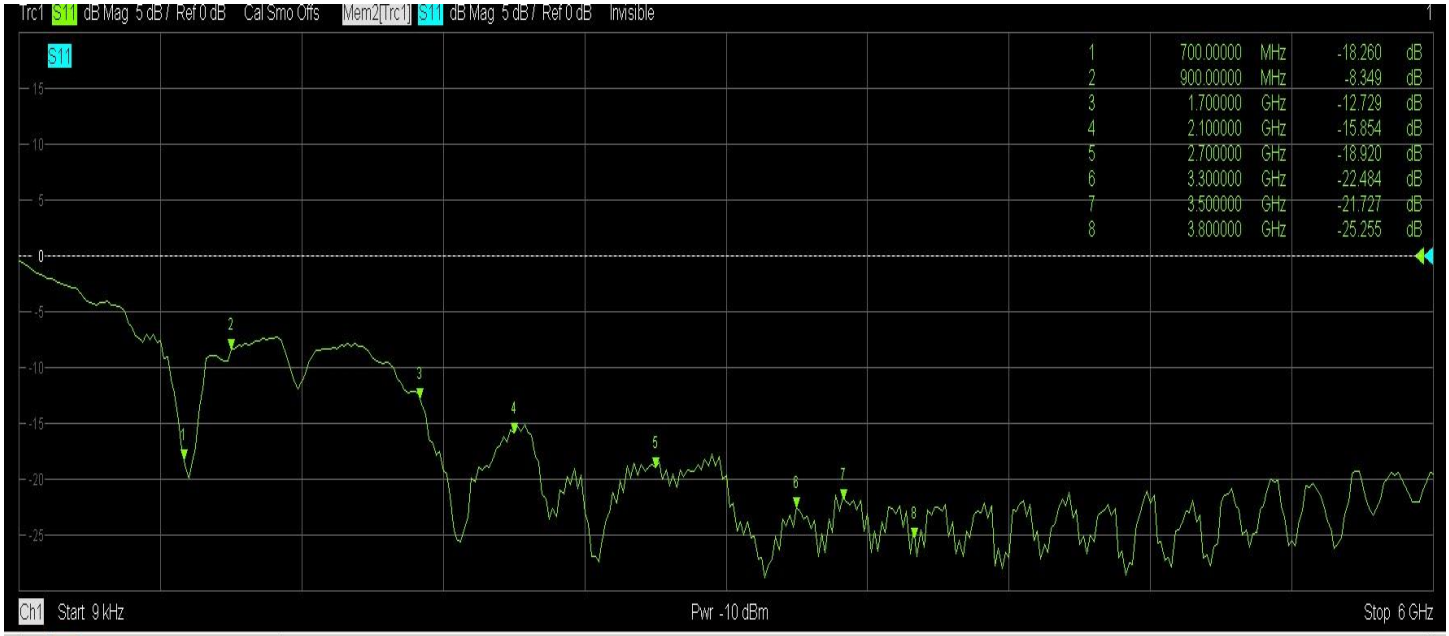
4mm gap washer

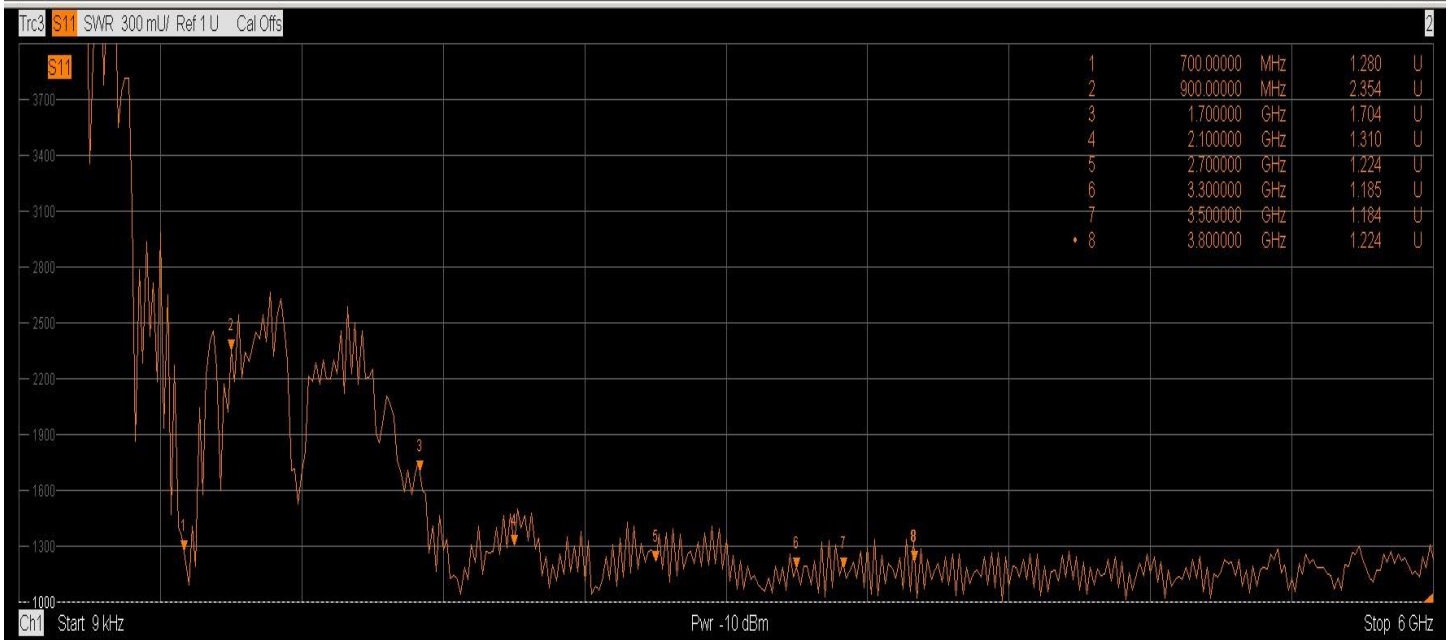


4mm gap nut

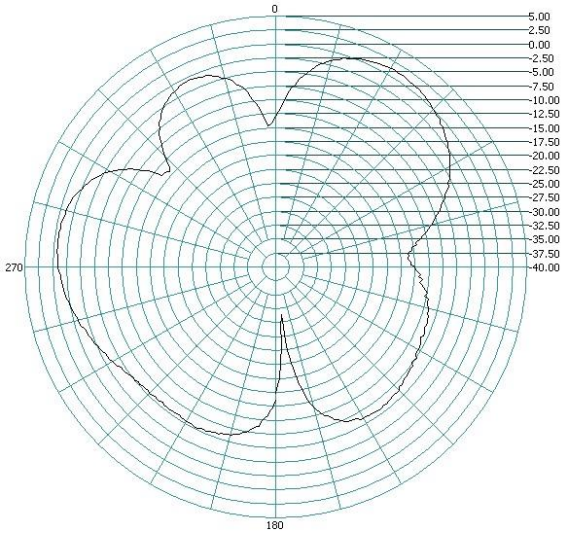
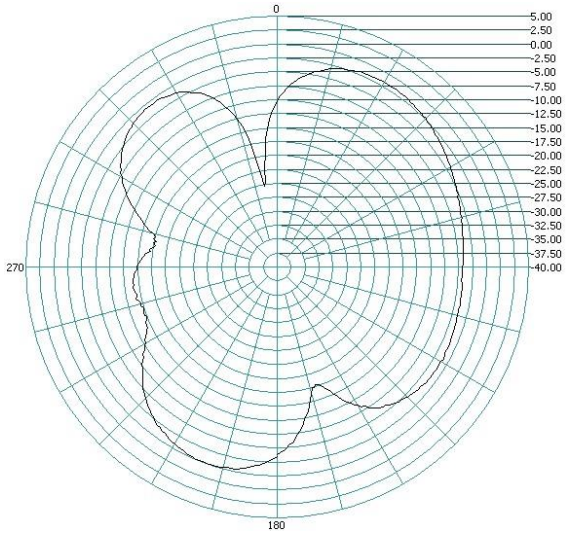
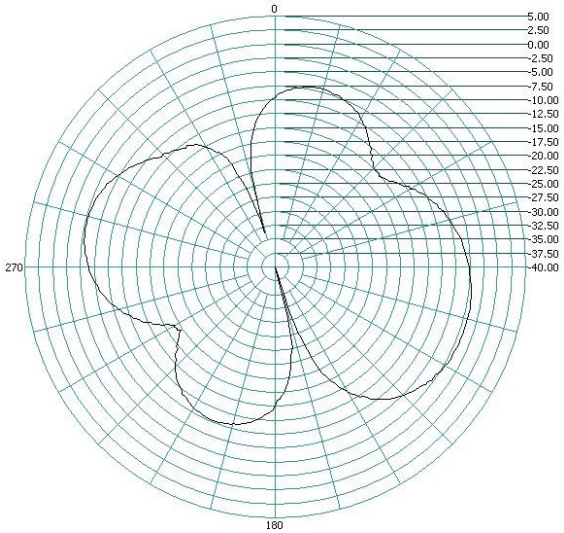
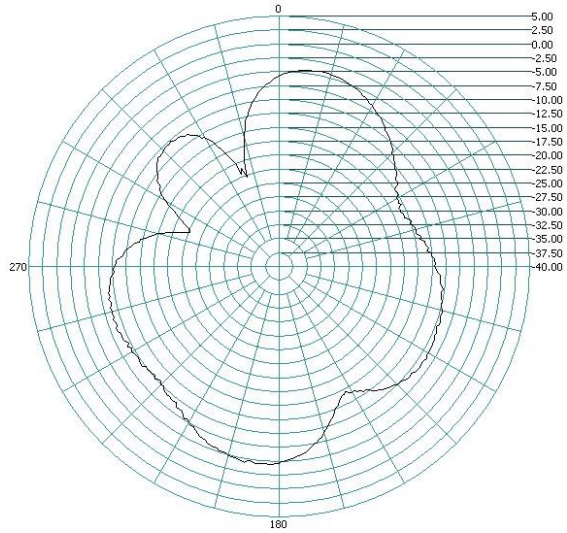
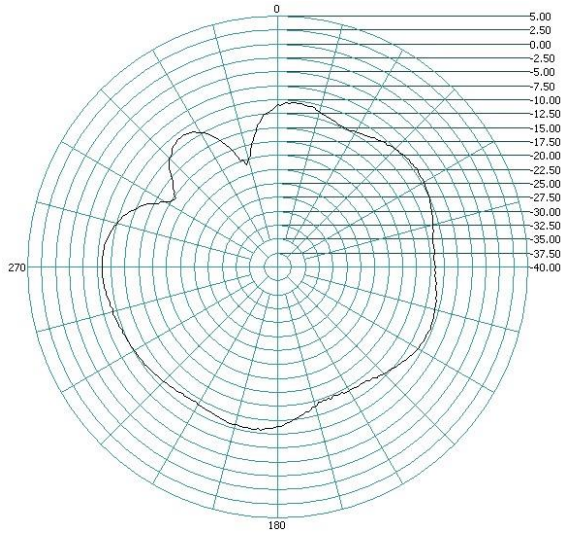
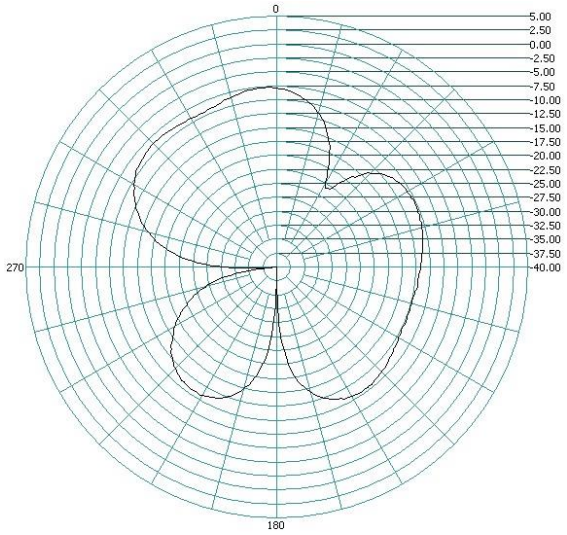
1	FREQUENCY : 4-5G(700-960/1700-2700/3300-3800MHz) x4	6	IMPEDANCE : 50 Ω
2	GAIN : (700-960 1dBi/1700-2700 4dBi/3300-3800MHz 4dBi) x4	7	
3	V.S.W.R : < 2.3	8	
4	CABLE LENGTH : RG174 L=3M x4	9	
5	CONNECTOR : SMA PLUG (4/5G), SMA PLUG (4/5G), SMA PLUG (4/5G), SMA PLUG (4/5G)	10	

4/5G PORT 1

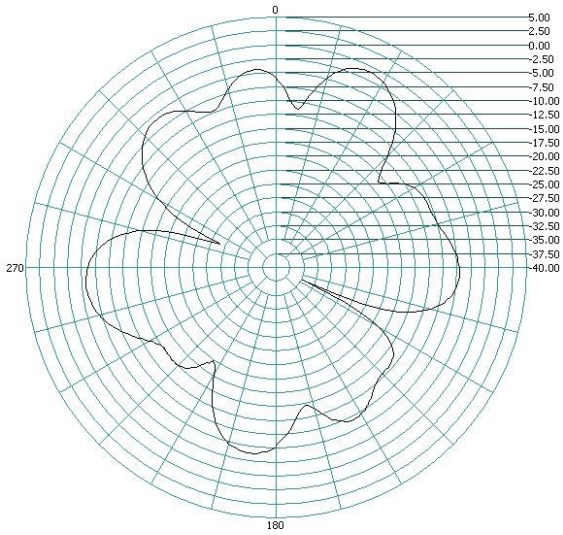

Trc1 S11 dB Mag 5 dB/ Ref 0 dB Cal Smo Offs
Mem2[Trc1] S11 dB Mag 5 dB/ Ref 0 dB Invisible
S11
1 700.00000 MHz -18.260 dB
2 900.00000 MHz -8.349 dB
3 1.700000 GHz -12.729 dB
4 2.100000 GHz -15.854 dB
5 2.700000 GHz -18.920 dB
6 3.300000 GHz -22.484 dB
7 3.500000 GHz -21.727 dB
8 3.800000 GHz -25.255 dB
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

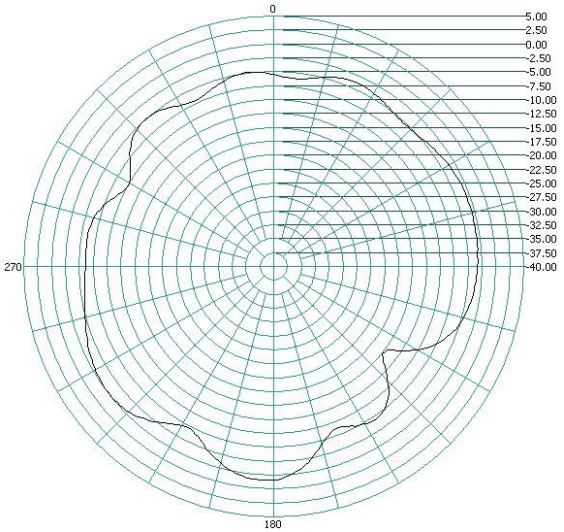

Trc3 S11 SWR 300 mU/ Ref 1 U Cal Offs
S11
1 700.00000 MHz 1.280 U
2 900.00000 MHz 2.354 U
3 1.700000 GHz 1.704 U
4 2.100000 GHz 1.310 U
5 2.700000 GHz 1.224 U
6 3.300000 GHz 1.185 U
7 3.500000 GHz 1.184 U
8 3.800000 GHz 1.224 U
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

Radiation pattern

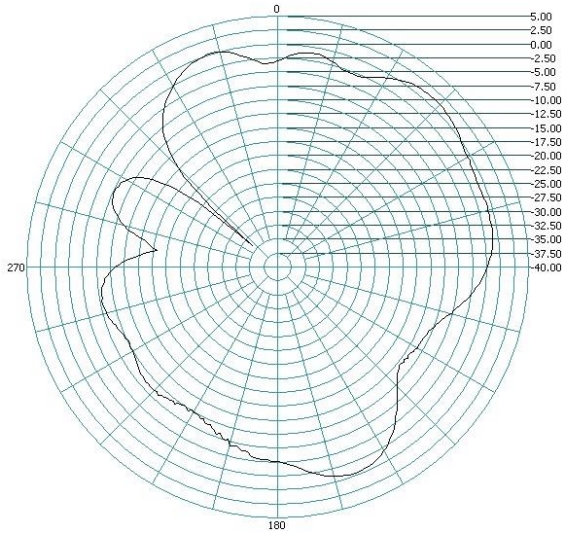
E-plane	H-plane
0.7GHz 	
0.8GHz 	
0.9GHz 	

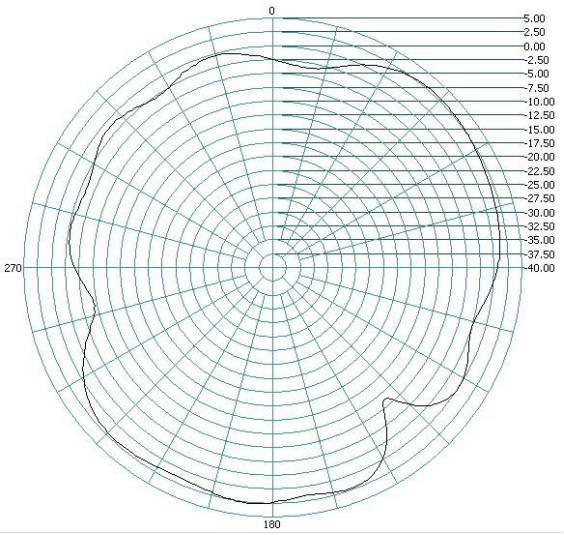
1.7GHz



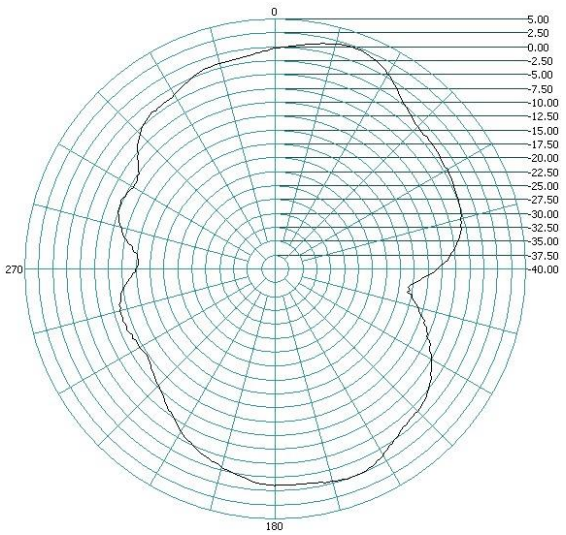


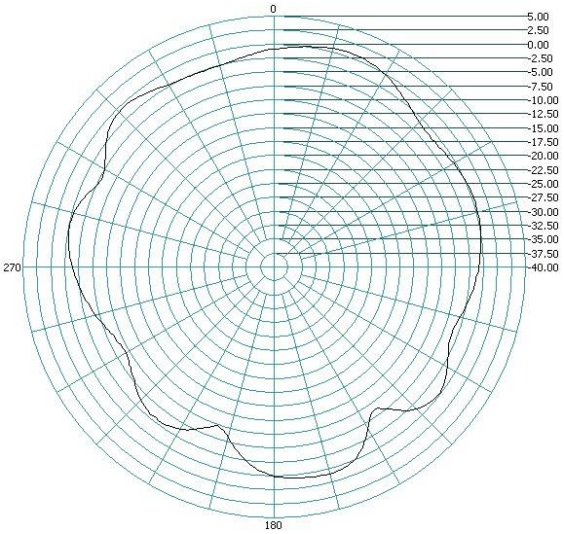
1.9GHz



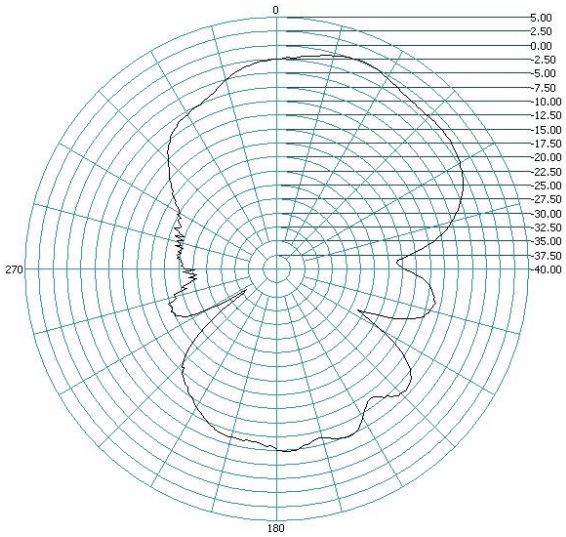


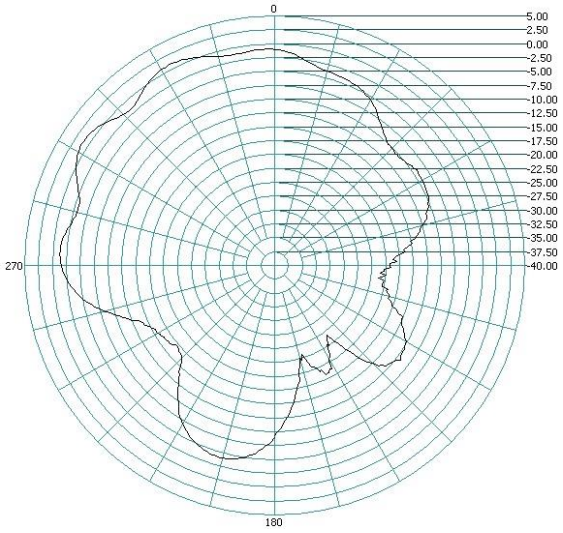
2.1GHz



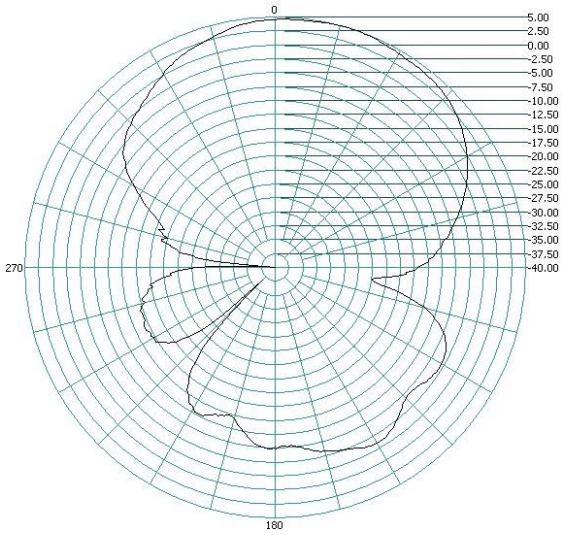


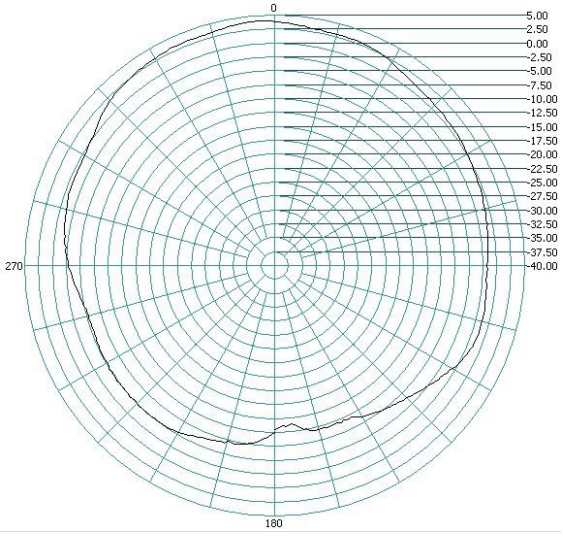
2.4GHz



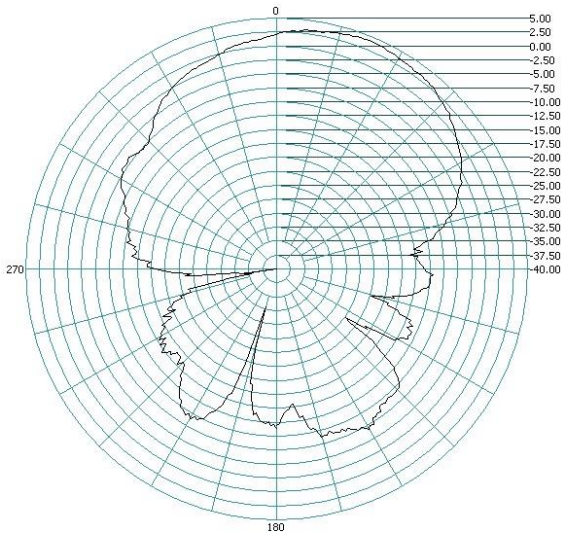


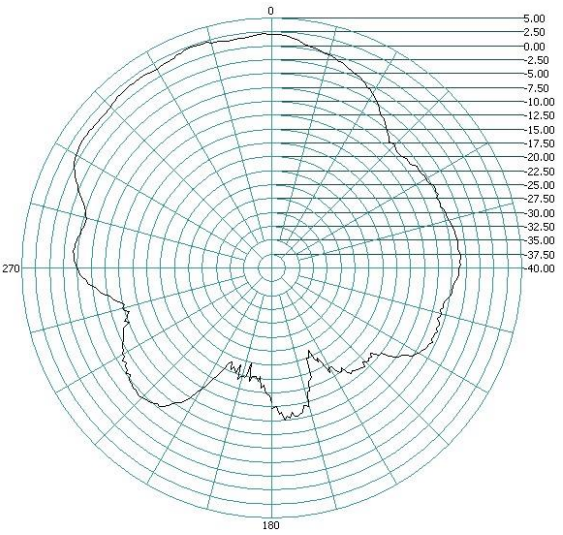
2.7GHz



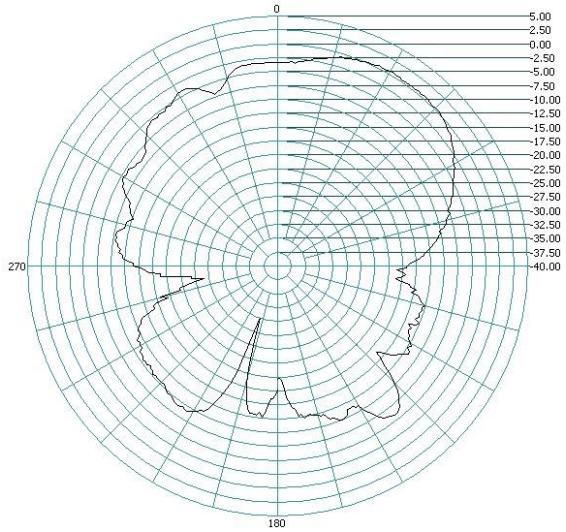


3.3GHz





3.5GHz


0
270
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-10.00
-12.50
-15.00
-17.50
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-22.50
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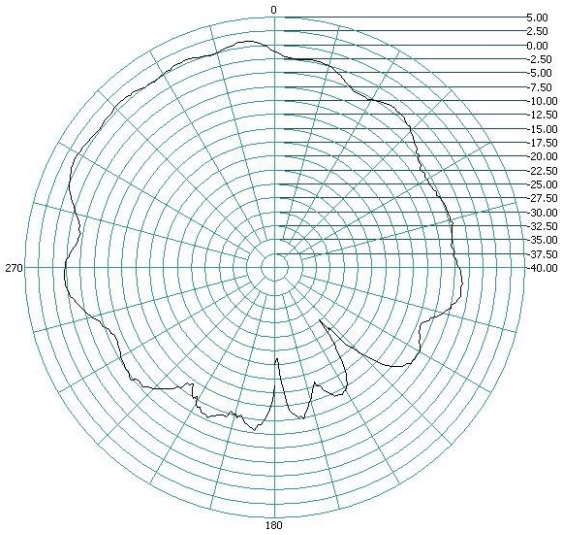
-32.50
-35.00
-37.50
-40.00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-12.50
-15.00
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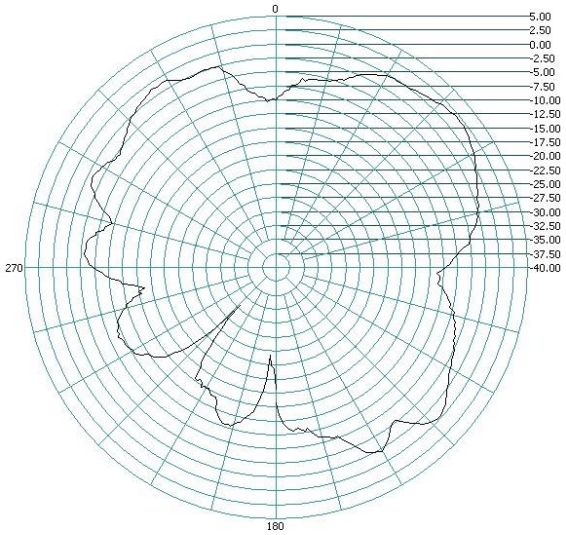
3.8GHz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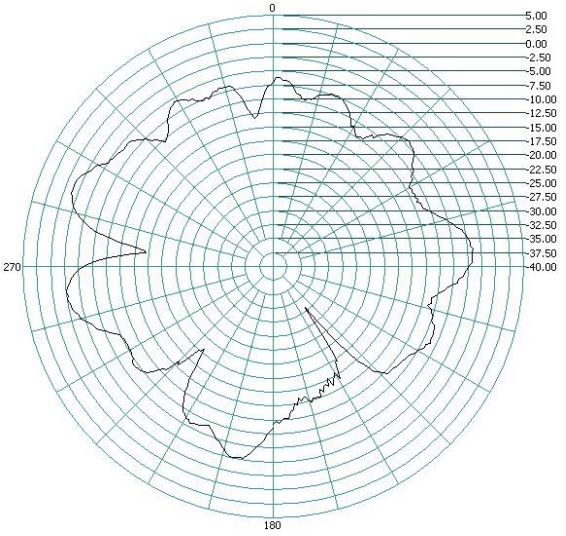
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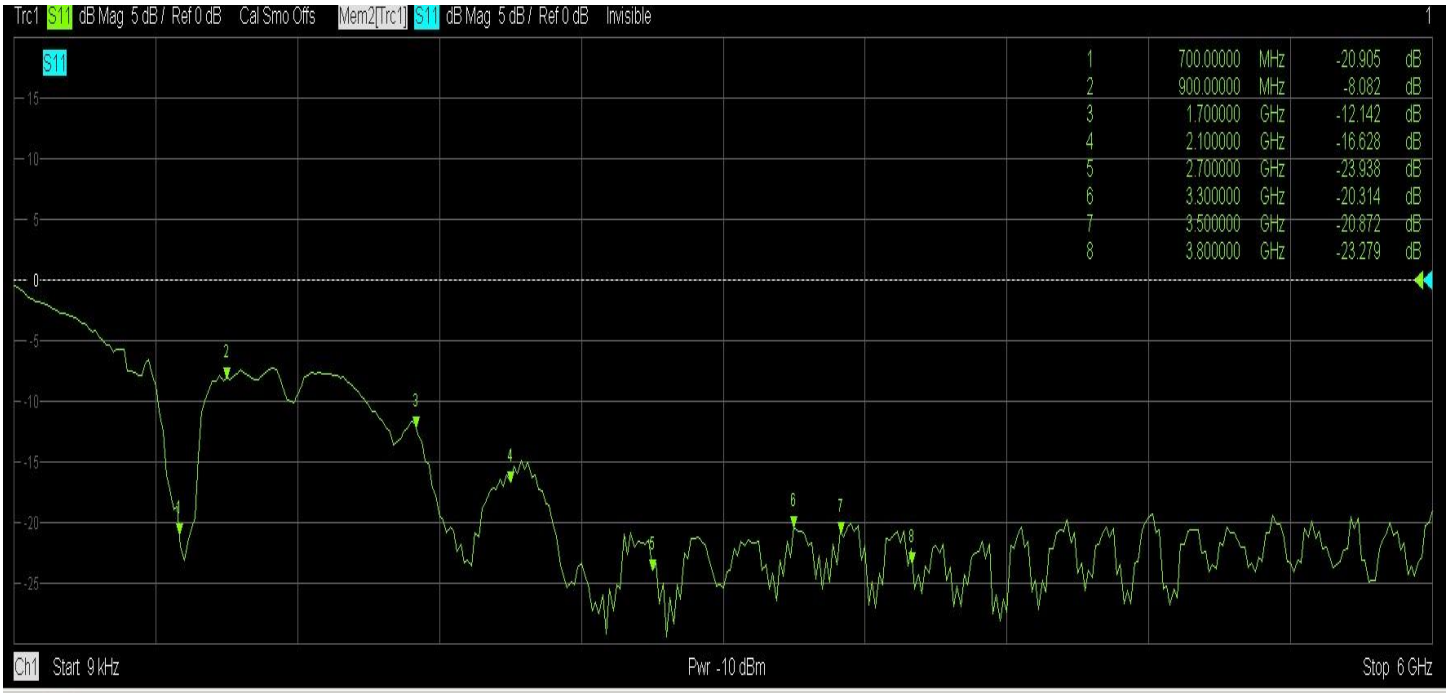
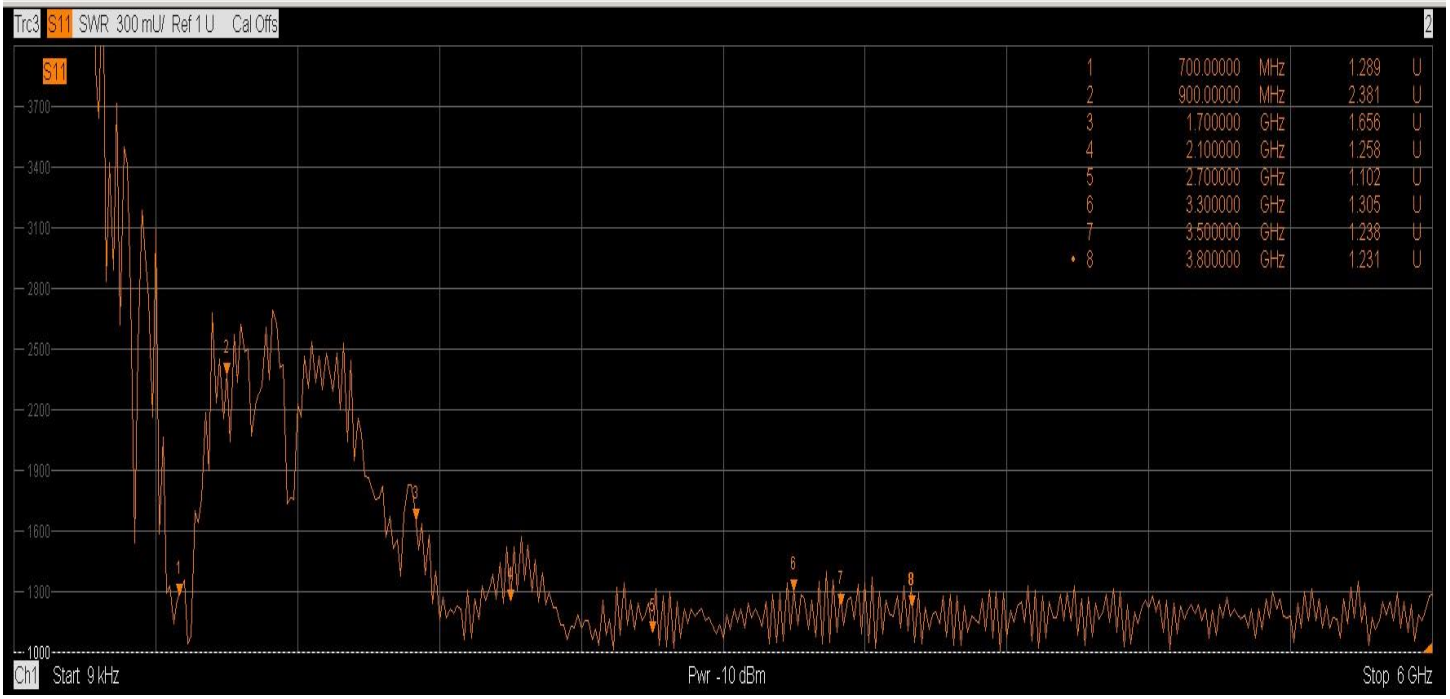
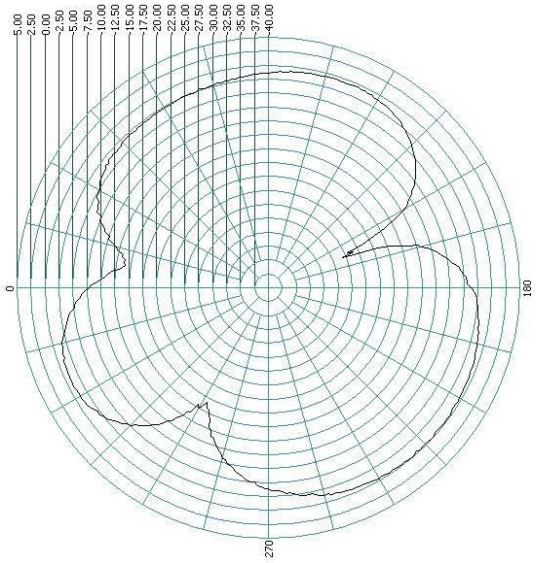
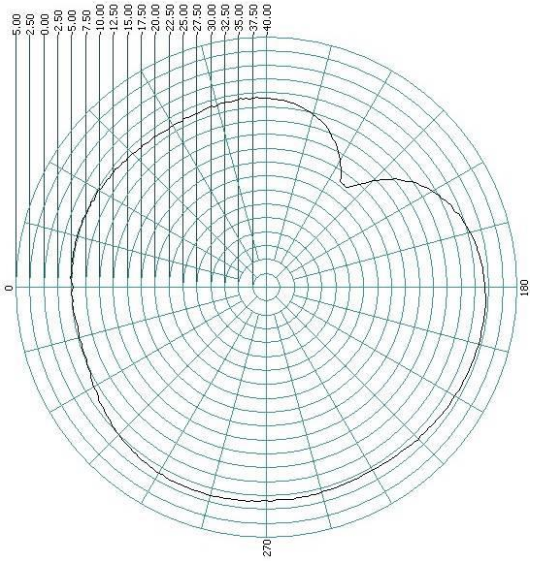
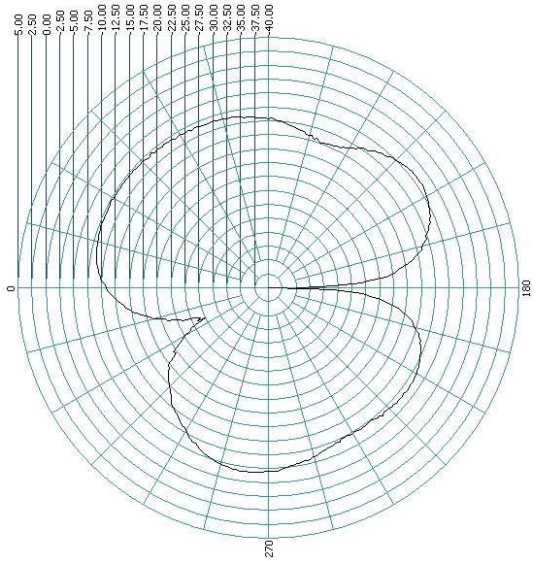
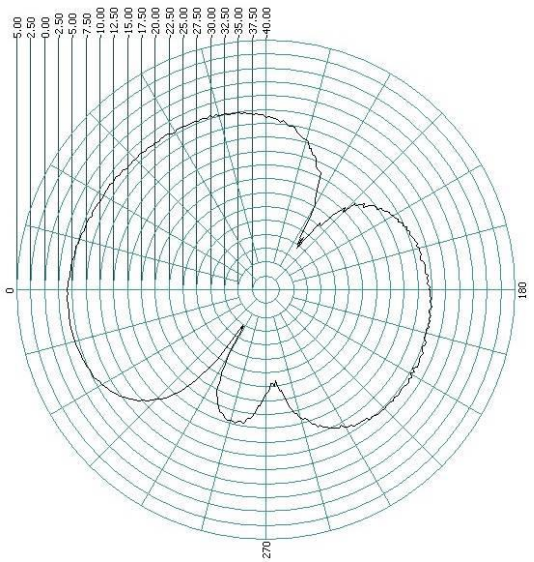
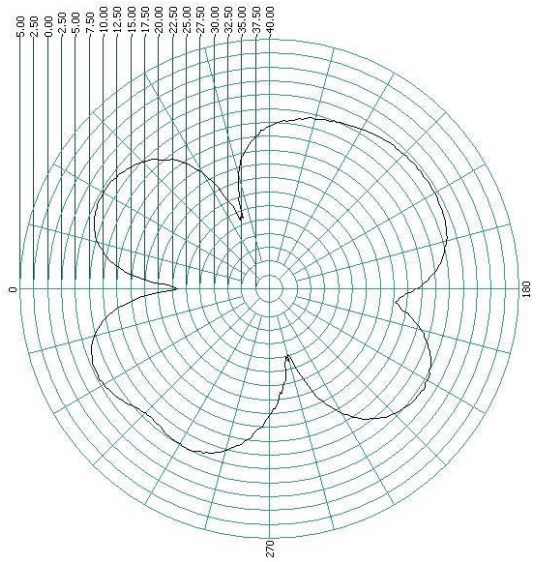
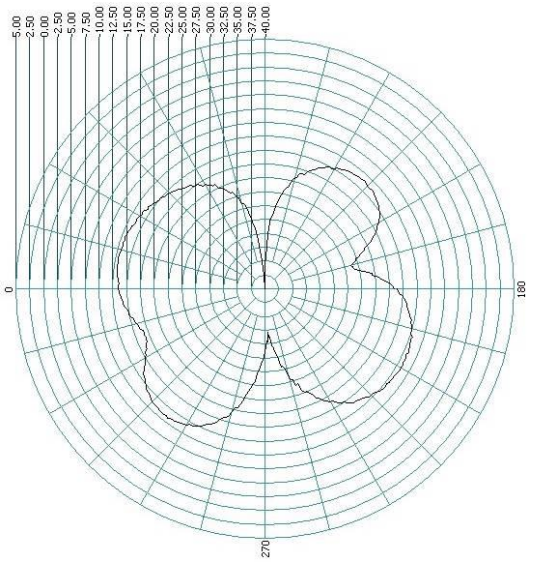
-40.00

4/5G PORT 2

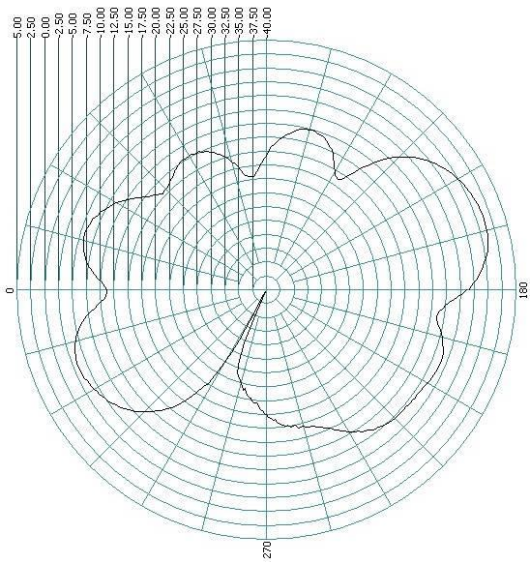

Trc1 S11 dB Mag 5 dB / Ref 0 dB Cal Smo Offs
Mem2[Trc1] S11 dB Mag 5 dB / Ref 0 dB Invisible
1
S11
1 700.00000 MHz -20.905 dB
2 900.00000 MHz -8.082 dB
3 1.700000 GHz -12.142 dB
4 2.100000 GHz -16.628 dB
5 2.700000 GHz -23.938 dB
6 3.300000 GHz -20.314 dB
7 3.500000 GHz -20.872 dB
8 3.800000 GHz -23.279 dB
15
10
5
0
-5
-10
-15
-20
-25
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

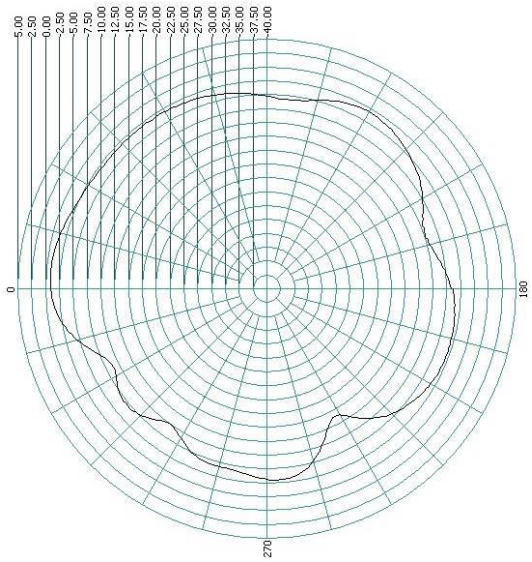

Trc3 S11 SWR 300 mU/ Ref 1 U Cal Offs
2
S11
1 700.00000 MHz 1.289 U
2 900.00000 MHz 2.381 U
3 1.700000 GHz 1.656 U
4 2.100000 GHz 1.258 U
5 2.700000 GHz 1.102 U
6 3.300000 GHz 1.305 U
7 3.500000 GHz 1.238 U
8 3.800000 GHz 1.231 U
3700
3400
3100
2800
2500
2200
1900
1600
1300
1000
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

Radiation pattern

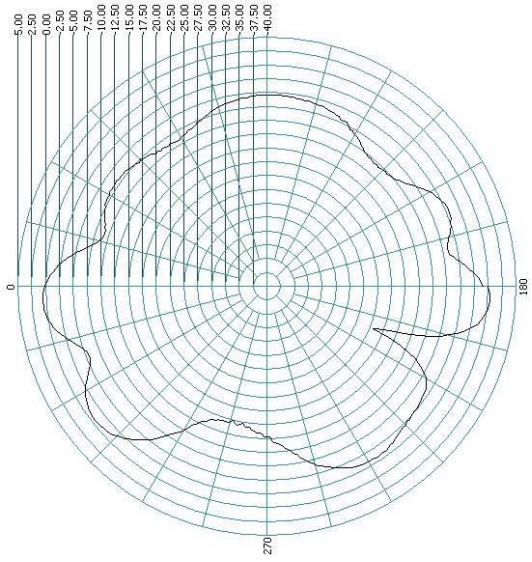
E-plane	H-plane
0.7GHz 	
0.8GHz 	
0.9GHz 	

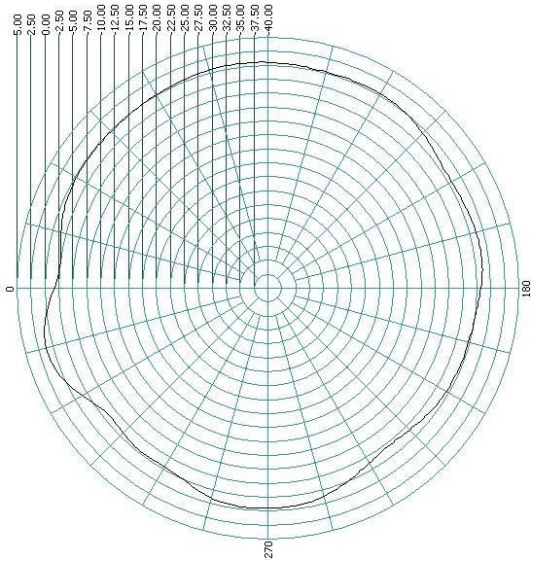
1.7GHz



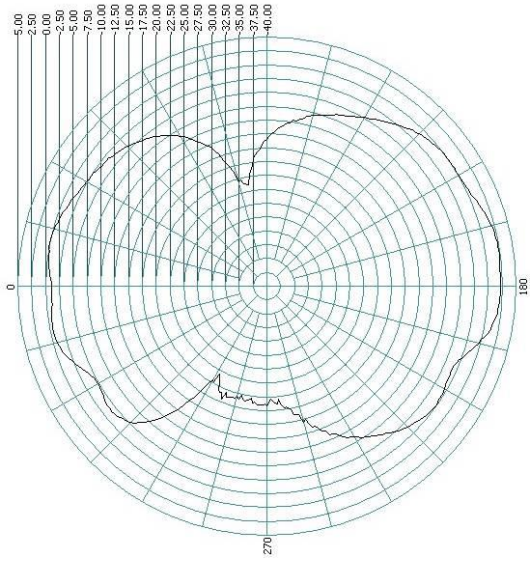


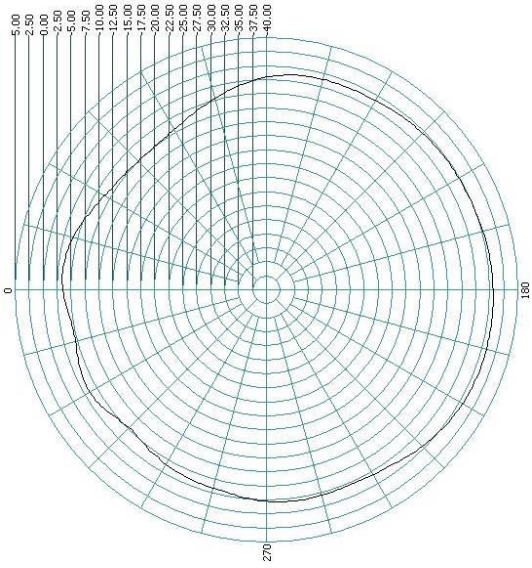
1.9GHz





2.1GHz





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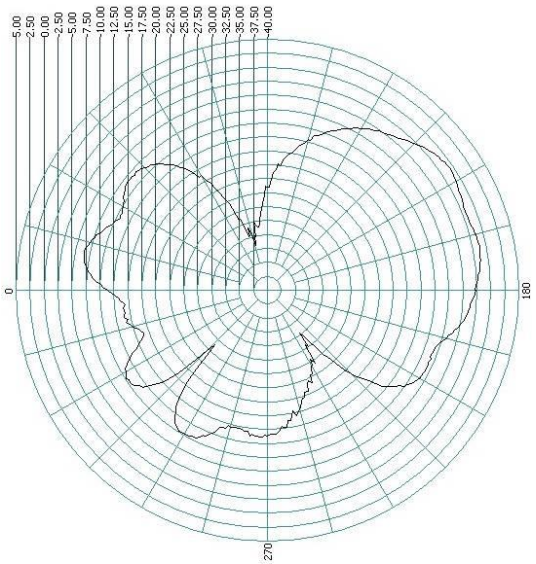
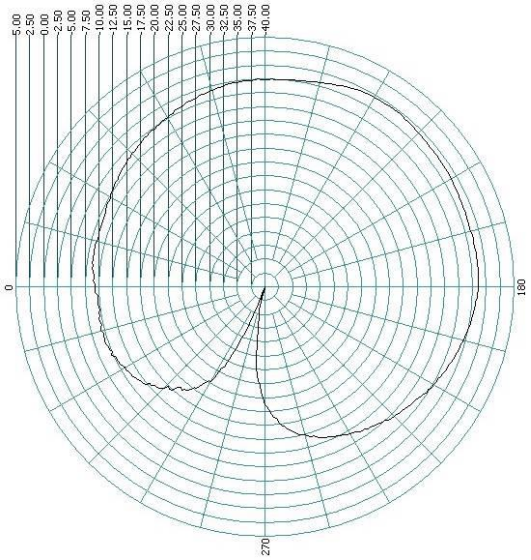
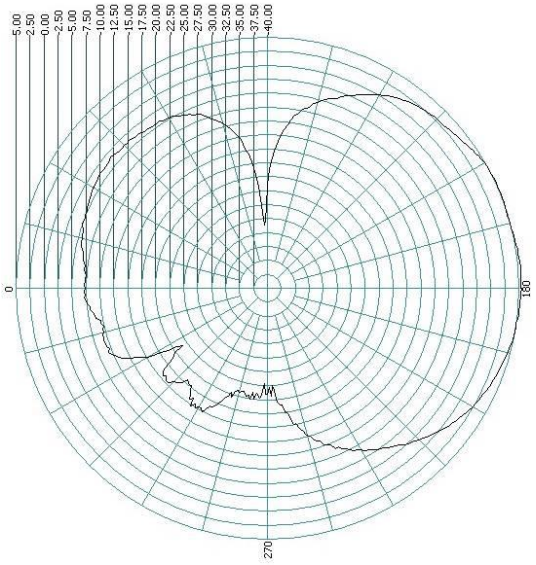
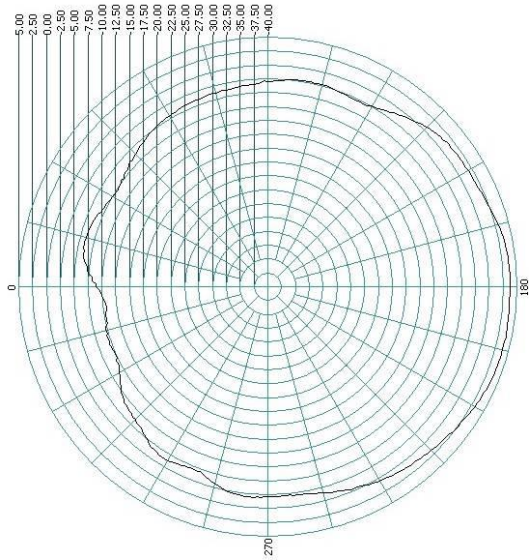


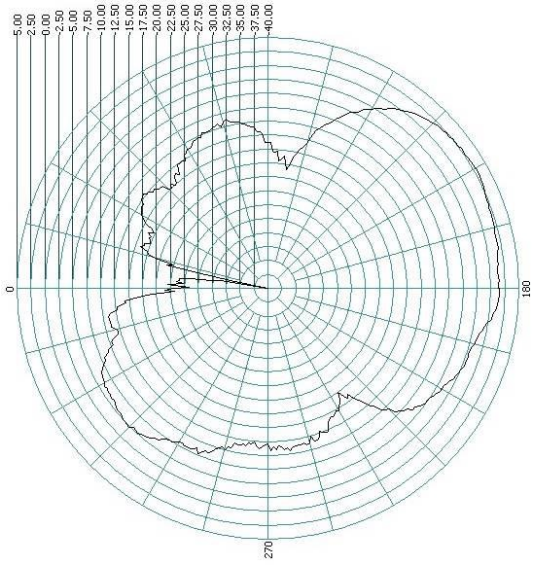


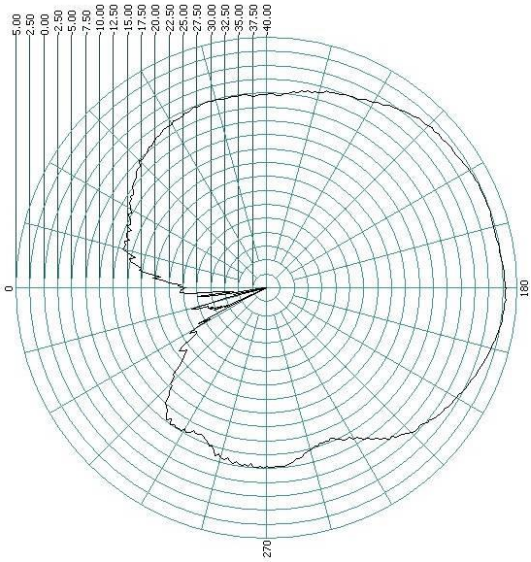
2.7GHz



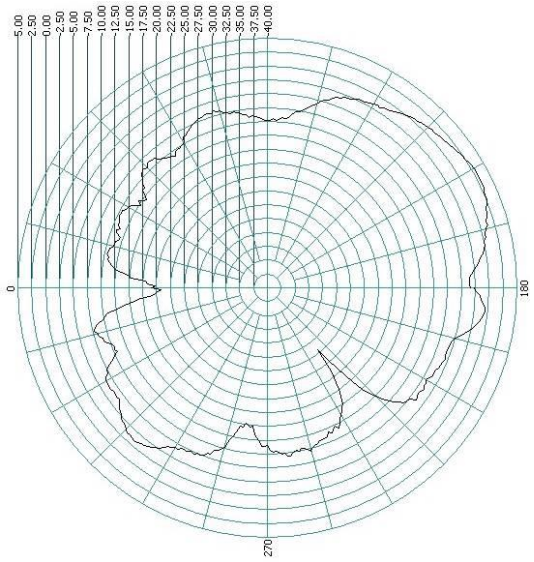


3.3GHz





3.5GHz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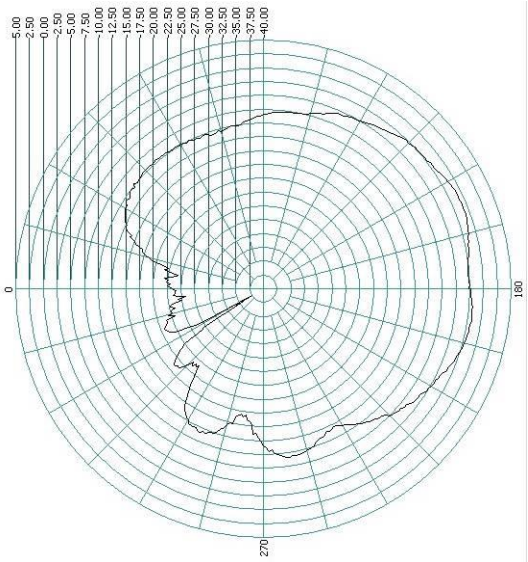
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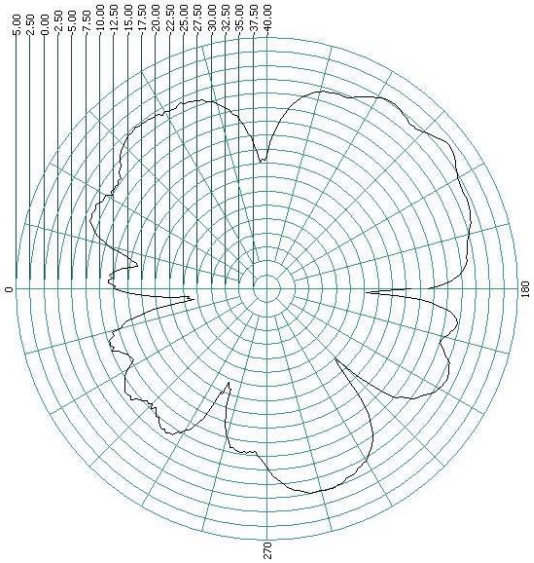
3.8GHz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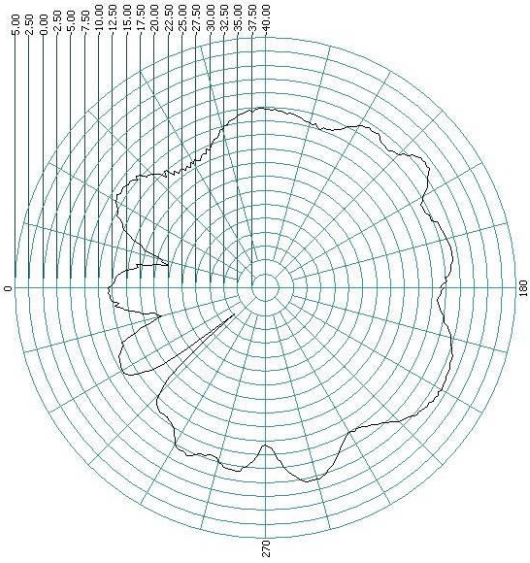
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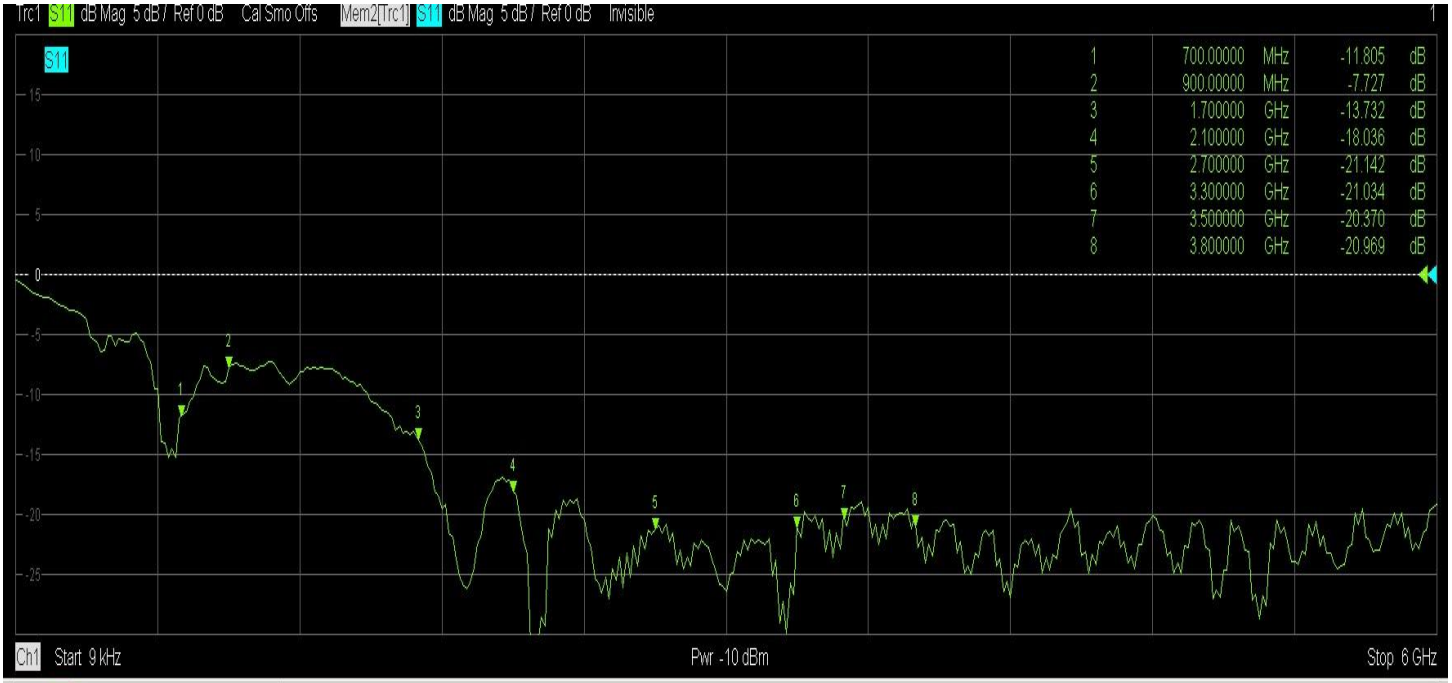
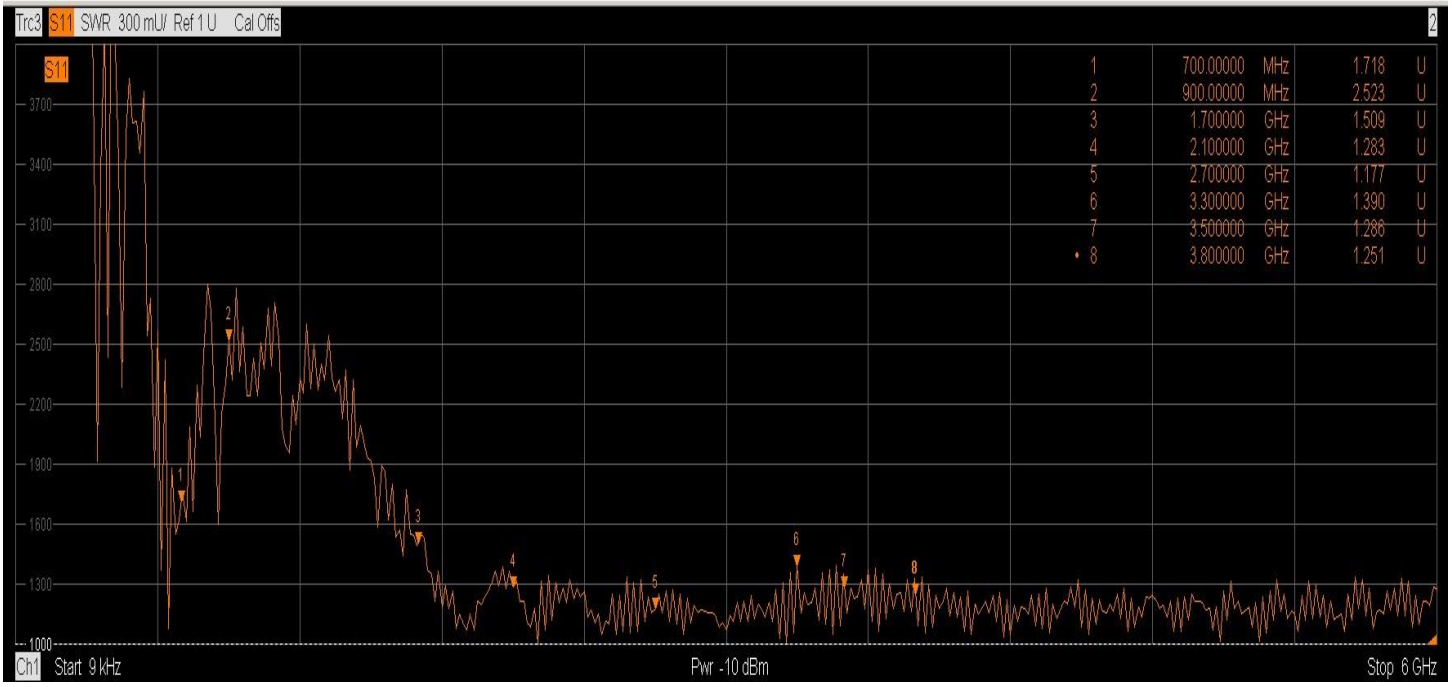
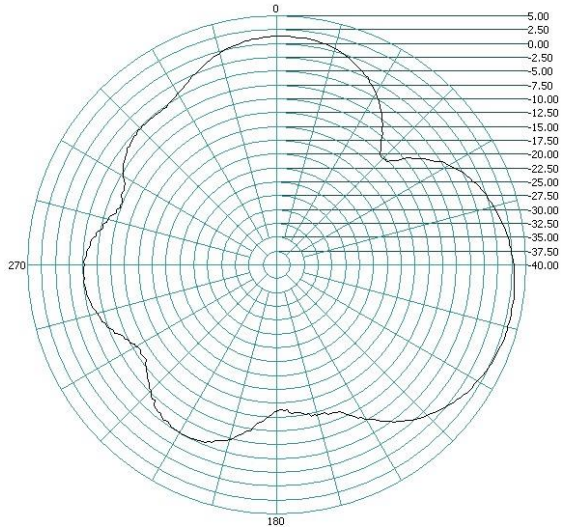
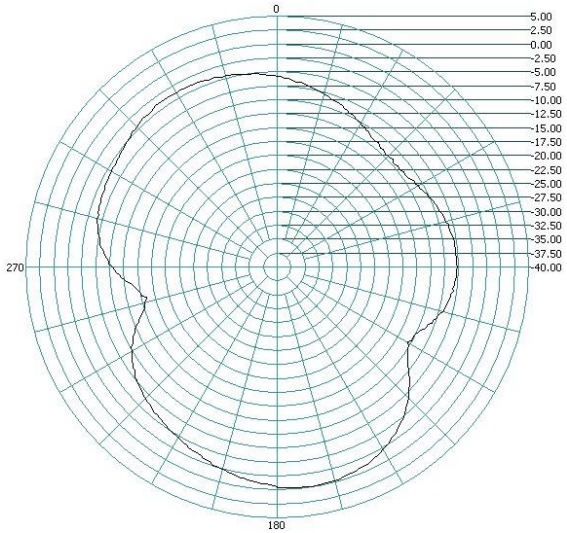
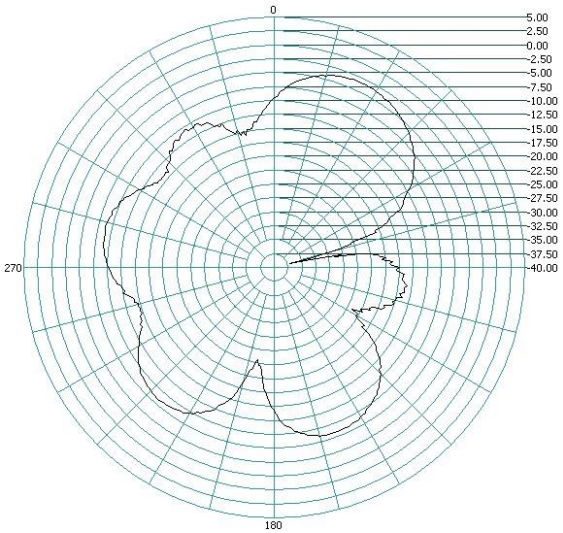
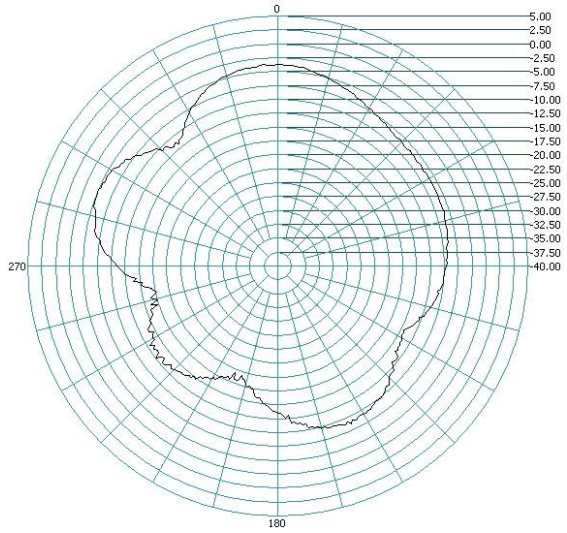
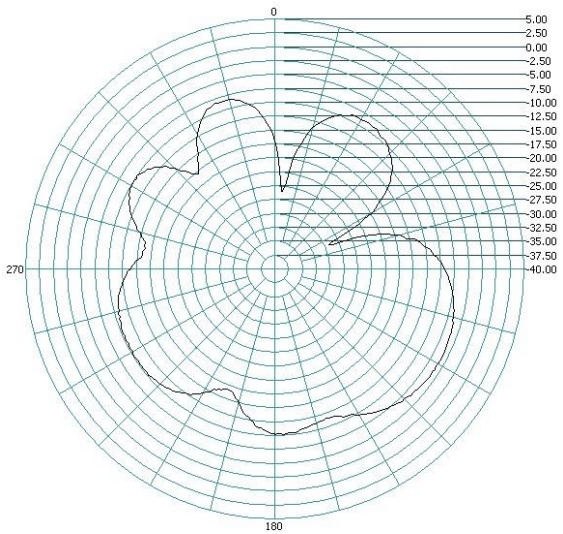
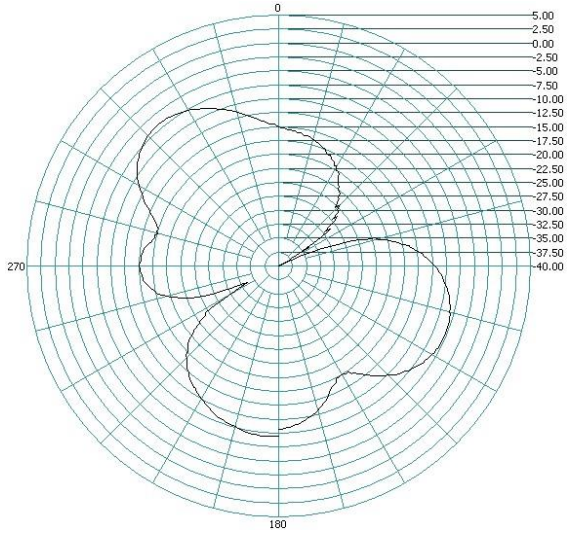
4/5G PORT 3

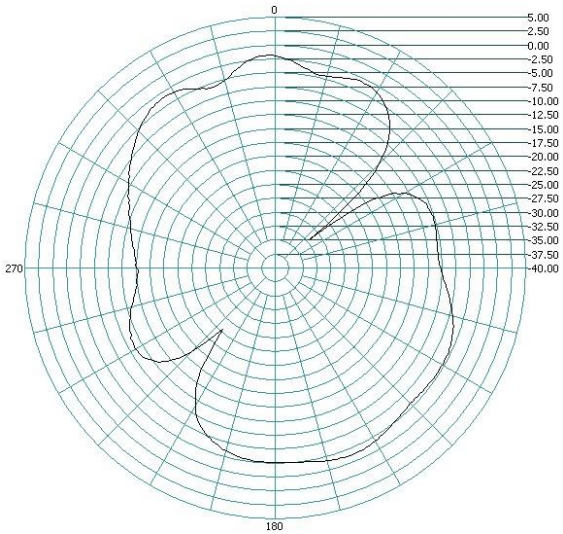

Trc1 S11 dB Mag 5 dB / Ref 0 dB Cal Smo Offs
Mem2[Trc1] S11 dB Mag 5 dB / Ref 0 dB Invisible
S11
1 700.00000 MHz -11.805 dB
2 900.00000 MHz -7.727 dB
3 1.700000 GHz -13.732 dB
4 2.100000 GHz -18.036 dB
5 2.700000 GHz -21.142 dB
6 3.300000 GHz -21.034 dB
7 3.500000 GHz -20.370 dB
8 3.800000 GHz -20.969 dB
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

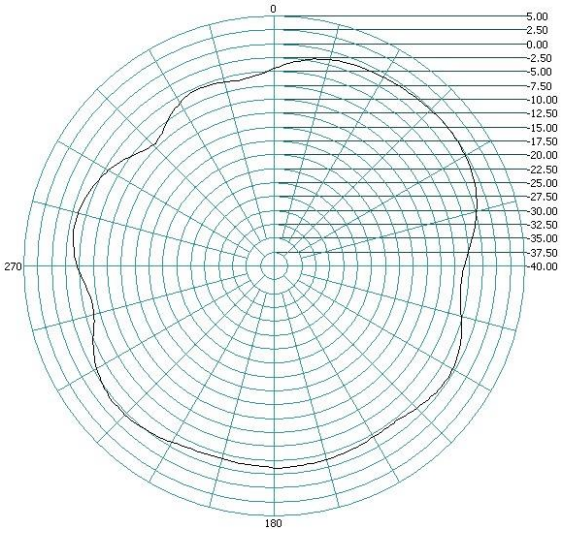

Trc3 S11 SWR 300 mU/ Ref 1 U Cal Offs
S11
1 700.00000 MHz 1.718 U
2 900.00000 MHz 2.523 U
3 1.700000 GHz 1.509 U
4 2.100000 GHz 1.283 U
5 2.700000 GHz 1.177 U
6 3.300000 GHz 1.390 U
7 3.500000 GHz 1.286 U
8 3.800000 GHz 1.251 U
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

Radiation pattern

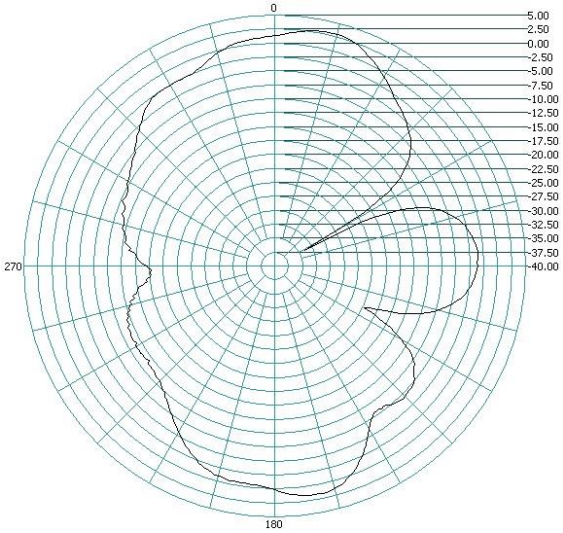
E-plane	H-plane
0.7GHz 	
0.8GHz 	
0.9GHz 	

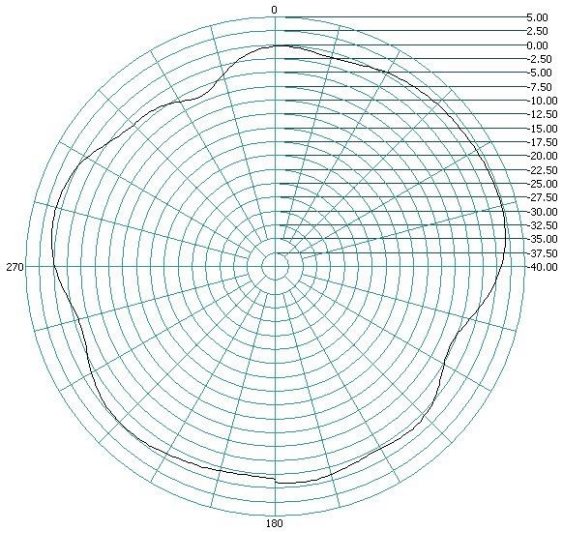
1.7GHz



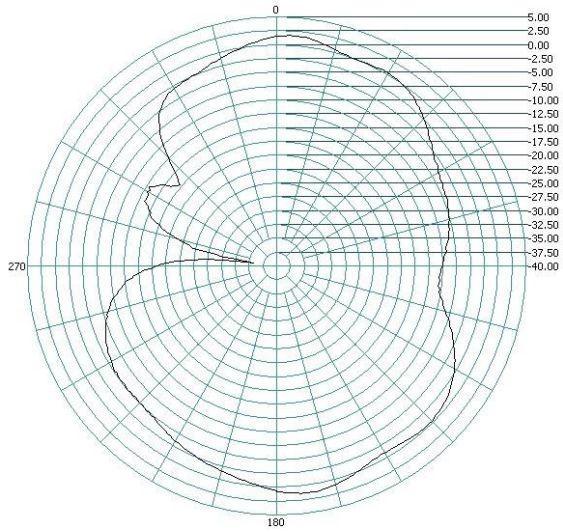


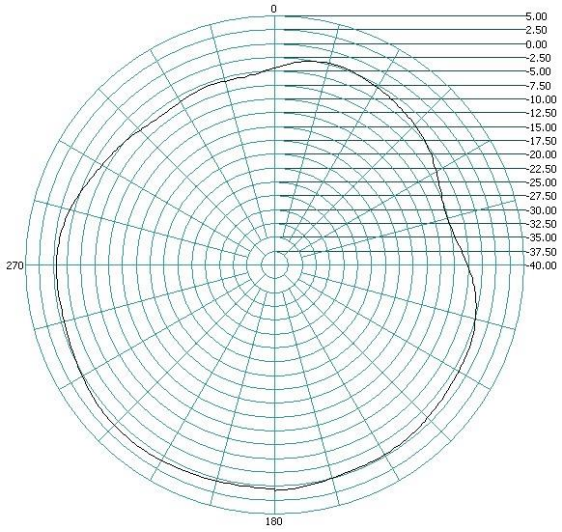
1.9GHz



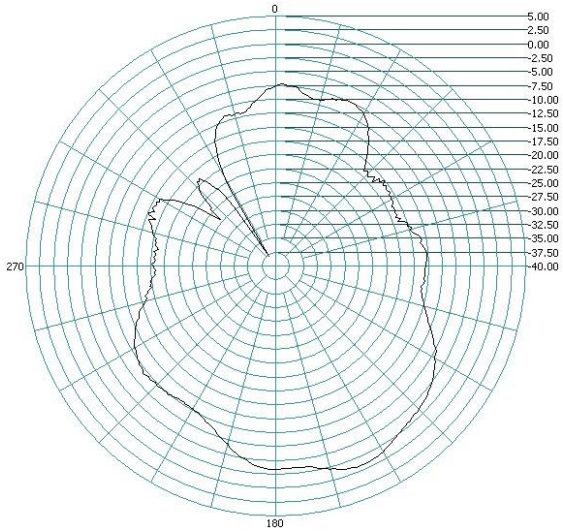


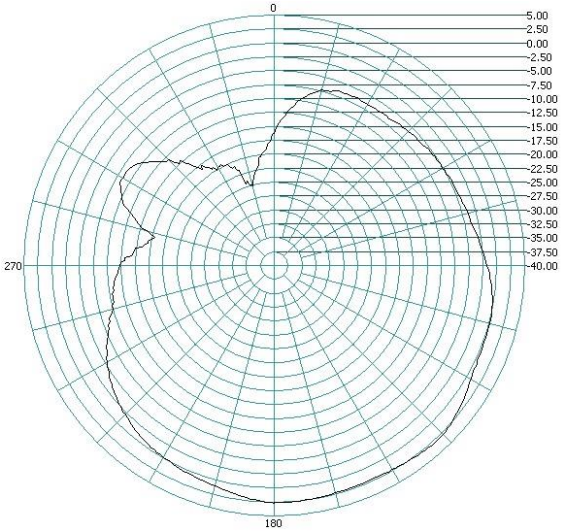
2.1GHz



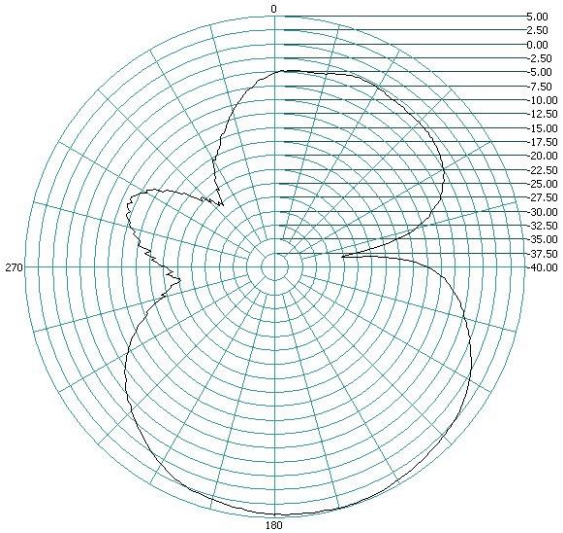


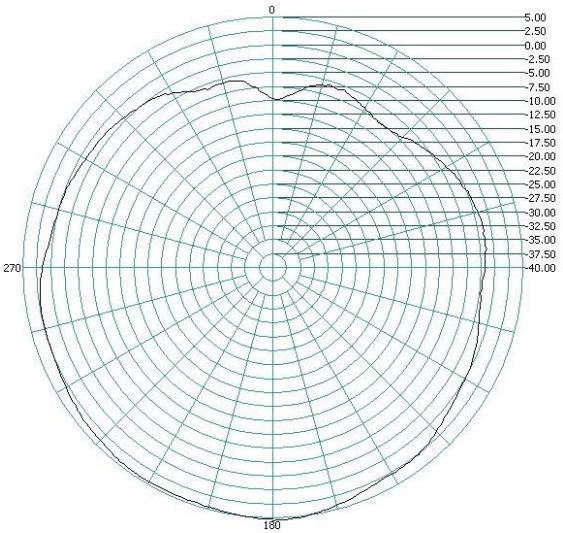
2.4GHz



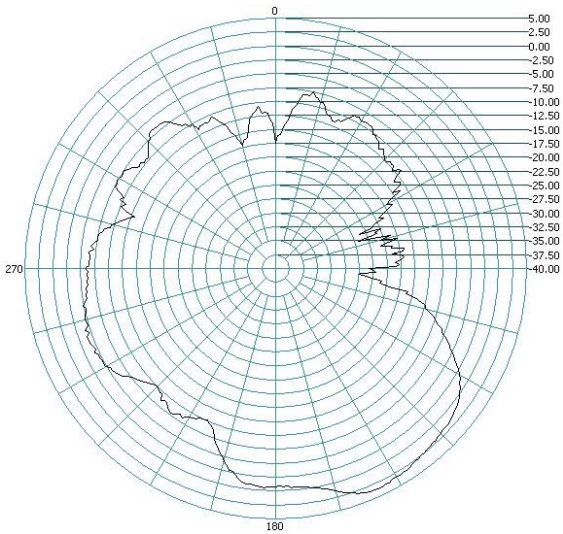


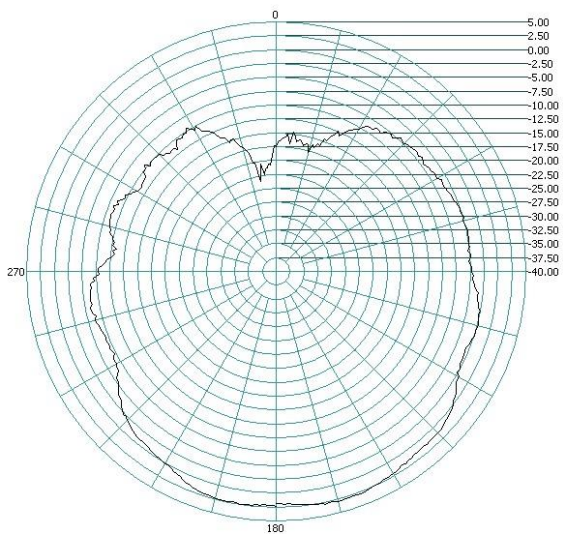
2.7GHz



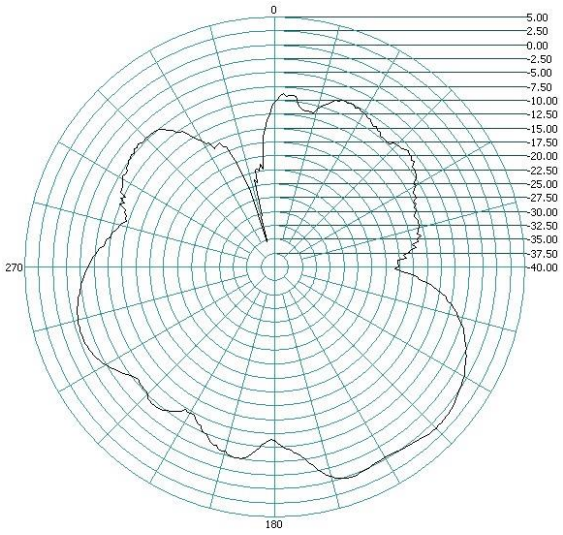


3.3GHz





3.5GHz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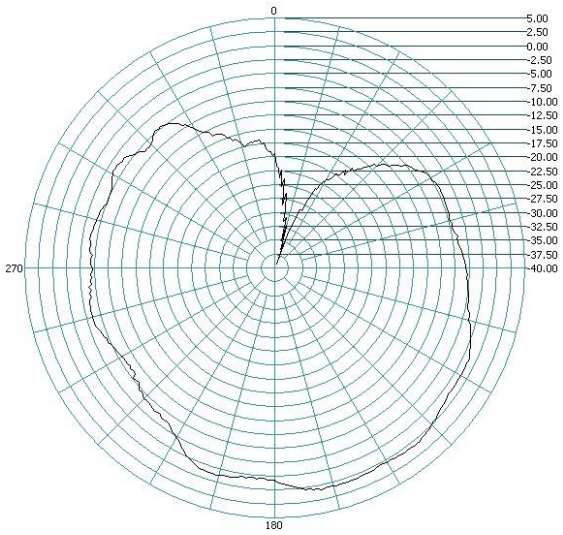
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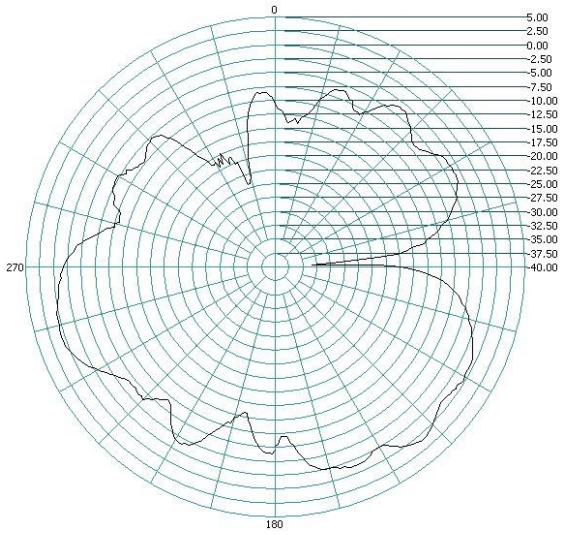
3.8GHz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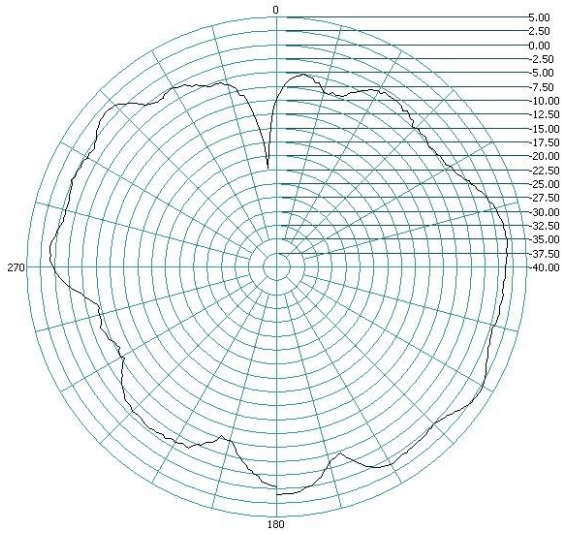
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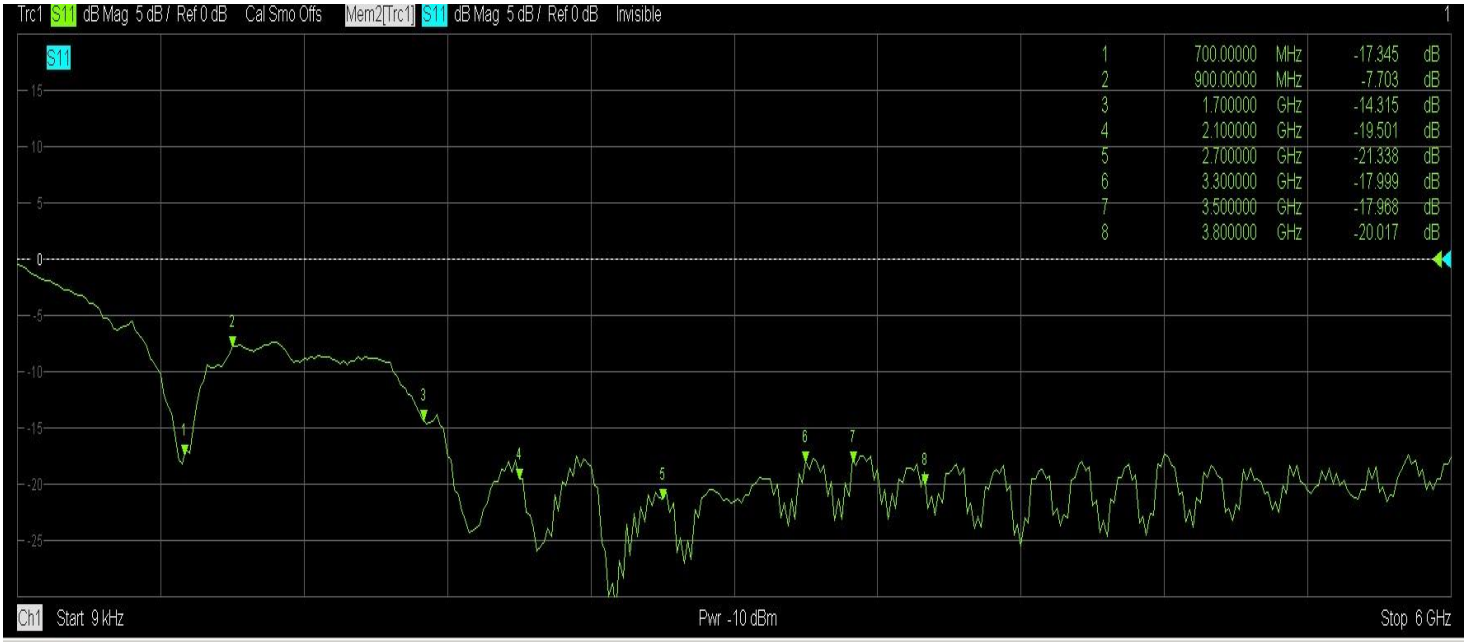
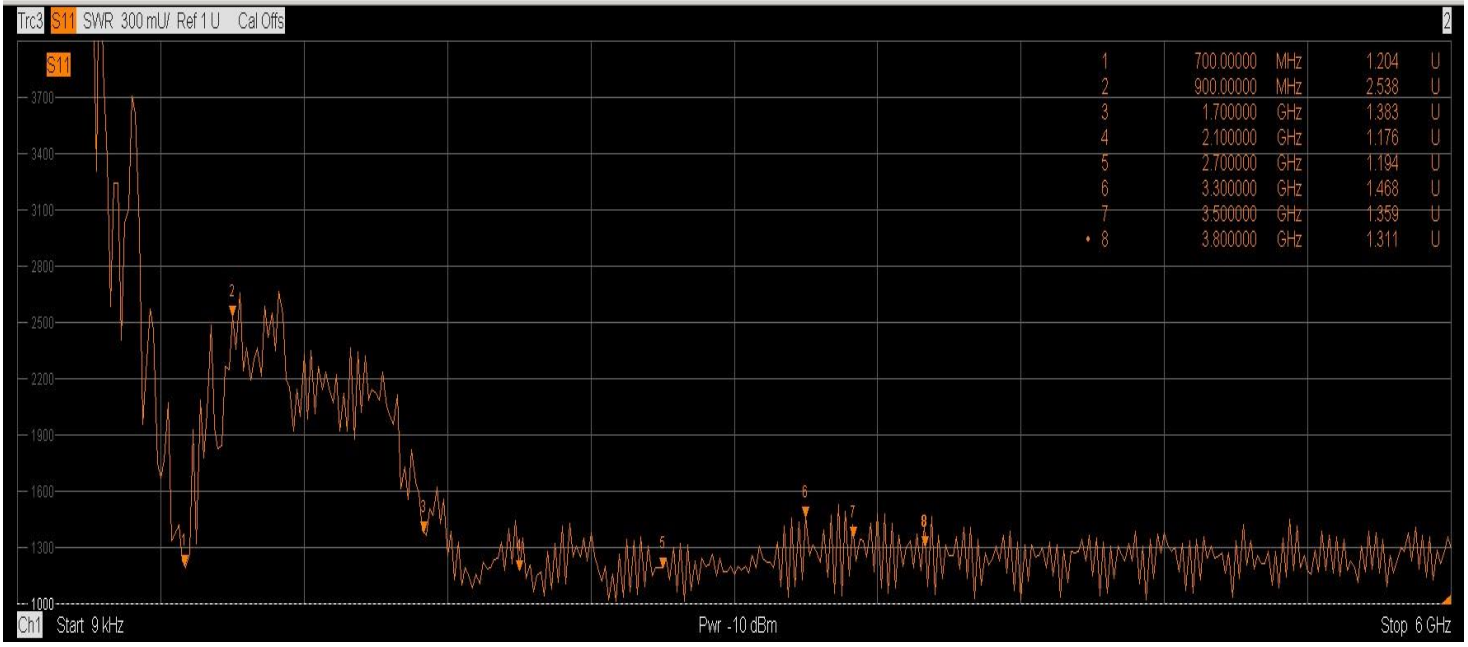
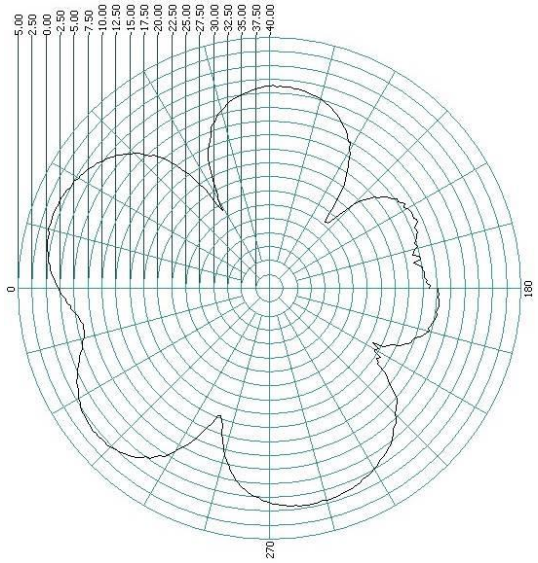
4/5G PORT 4

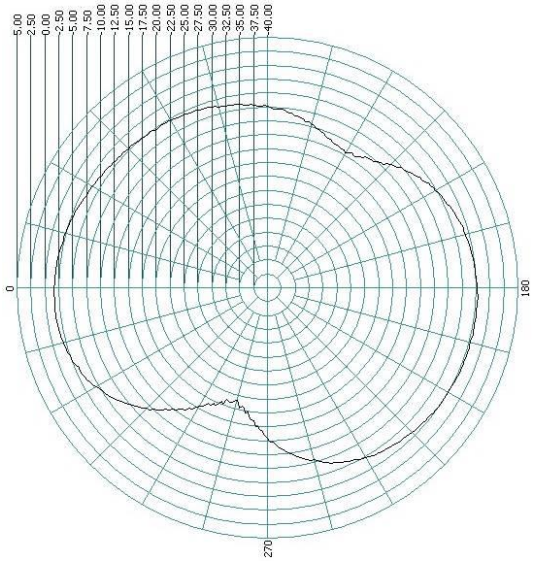

Trc1 S11 dB Mag 5 dB / Ref 0 dB Cal Smo Offs
Mem2[Trc1] S11 dB Mag 5 dB / Ref 0 dB Invisible
1 700.00000 MHz -17.345 dB
2 900.00000 MHz -7.703 dB
3 1.700000 GHz -14.315 dB
4 2.100000 GHz -19.501 dB
5 2.700000 GHz -21.338 dB
6 3.300000 GHz -17.999 dB
7 3.500000 GHz -17.968 dB
8 3.800000 GHz -20.017 dB
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz


Trc3 S11 SWR 300 mU/ Ref 1 U Cal Offs
1 700.00000 MHz 1.204 U
2 900.00000 MHz 2.538 U
3 1.700000 GHz 1.383 U
4 2.100000 GHz 1.176 U
5 2.700000 GHz 1.194 U
6 3.300000 GHz 1.468 U
7 3.500000 GHz 1.359 U
8 3.800000 GHz 1.311 U
Ch1 Start 9 kHz
Pwr -10 dBm
Stop 6 GHz

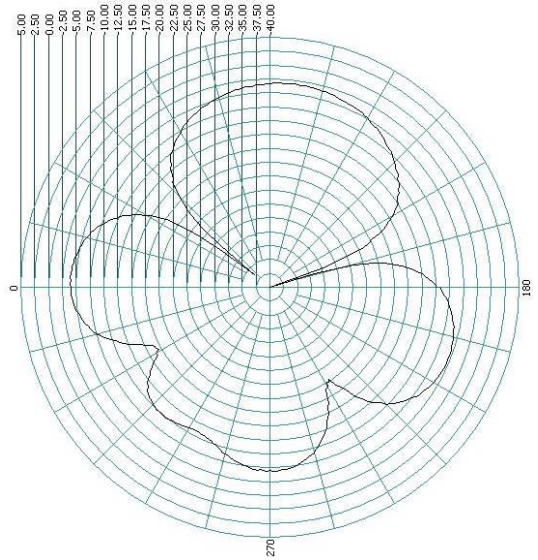
Radiation pattern

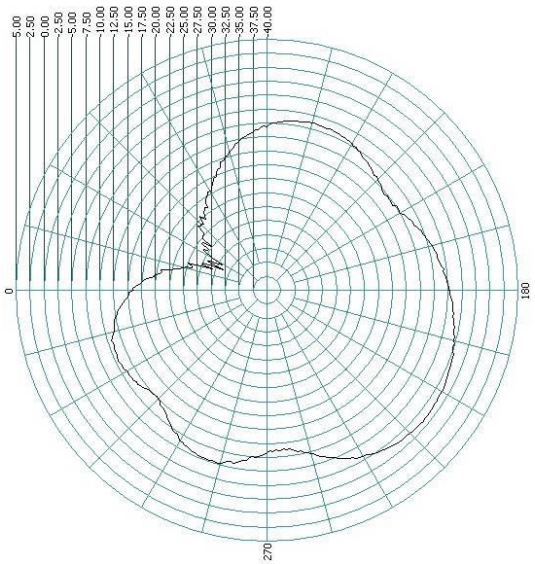
0.7GHz



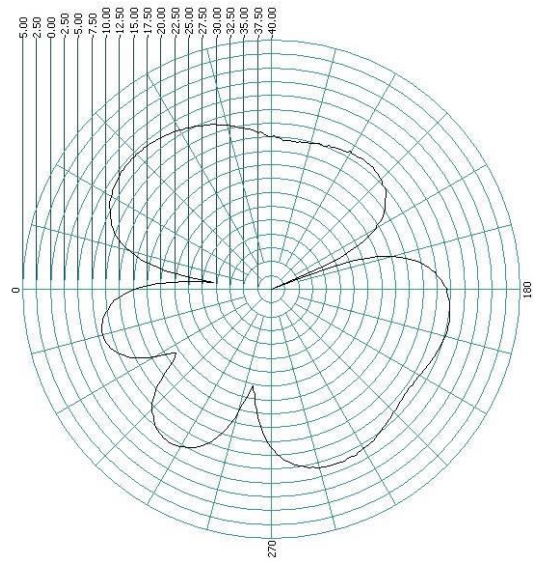


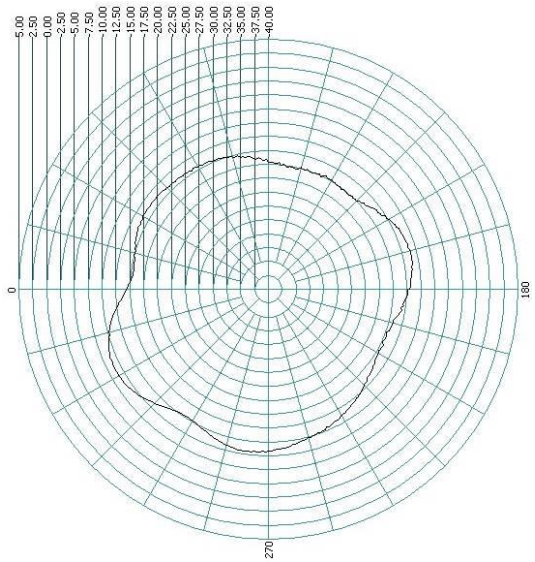
0.8GHz



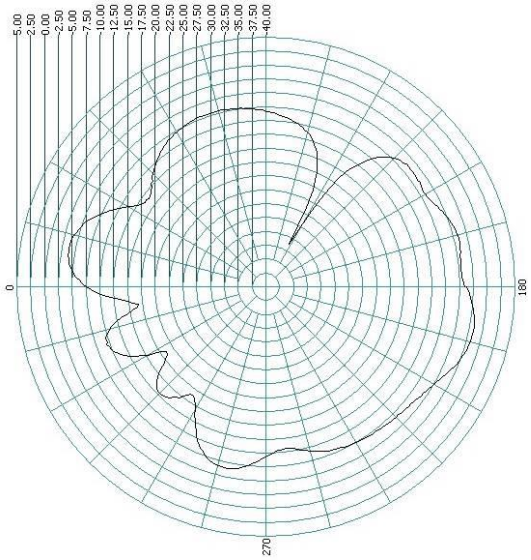


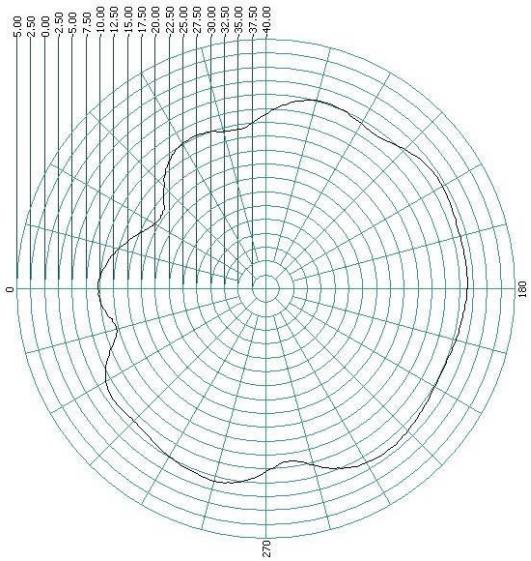
0.9GHz





1.7GHz





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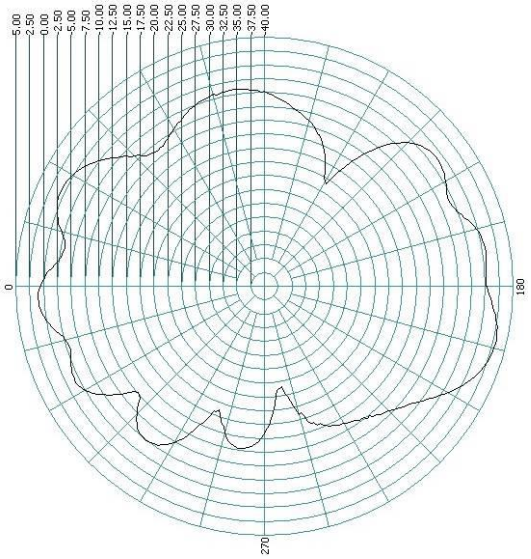

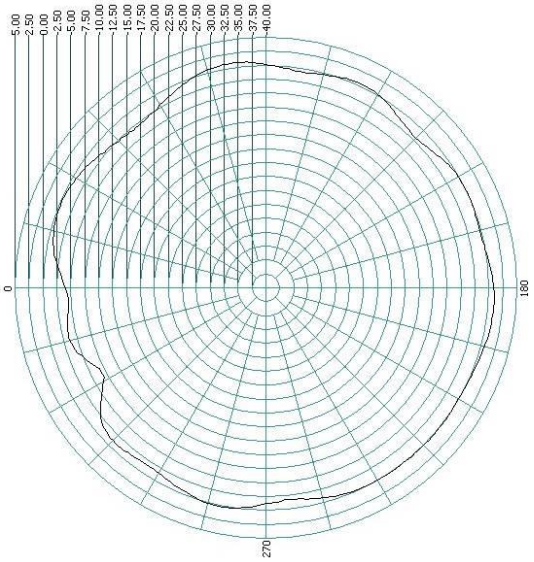

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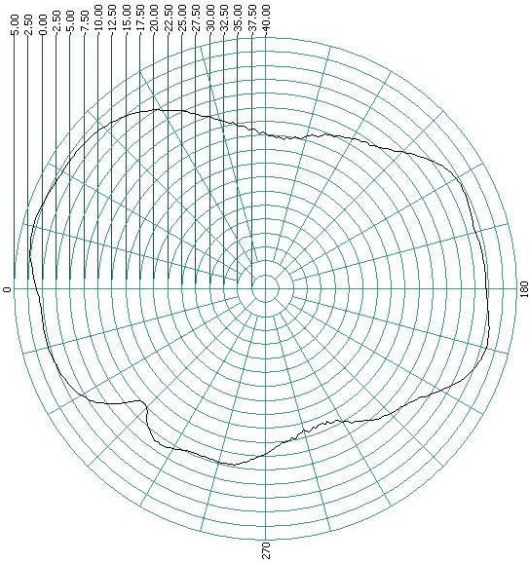

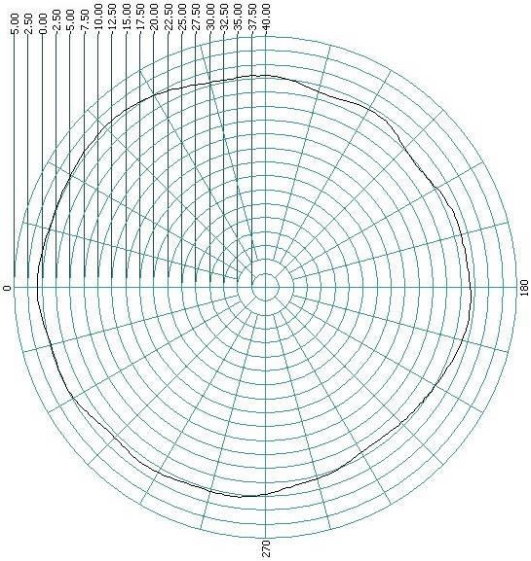

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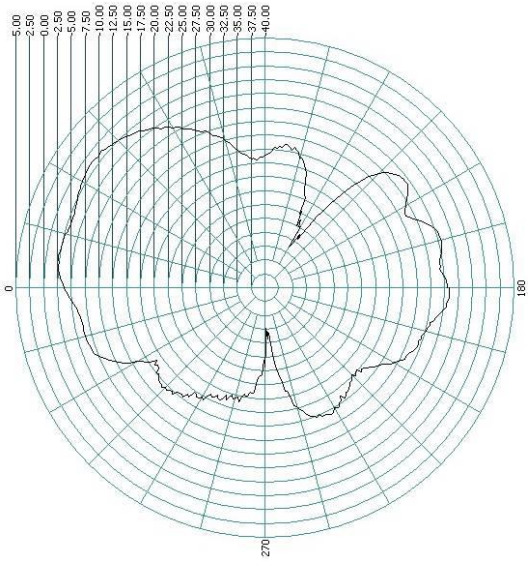

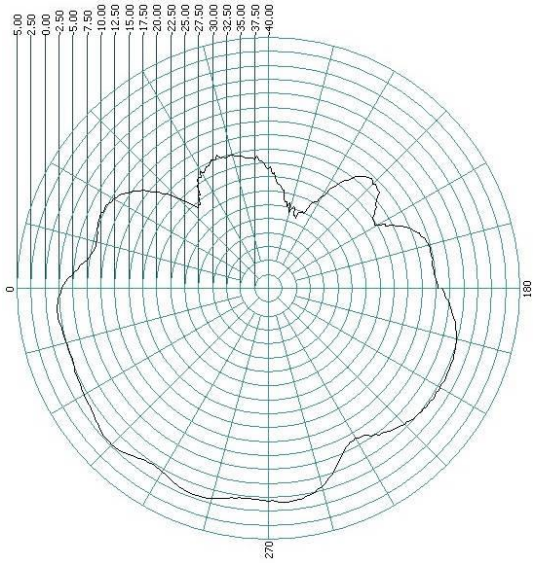

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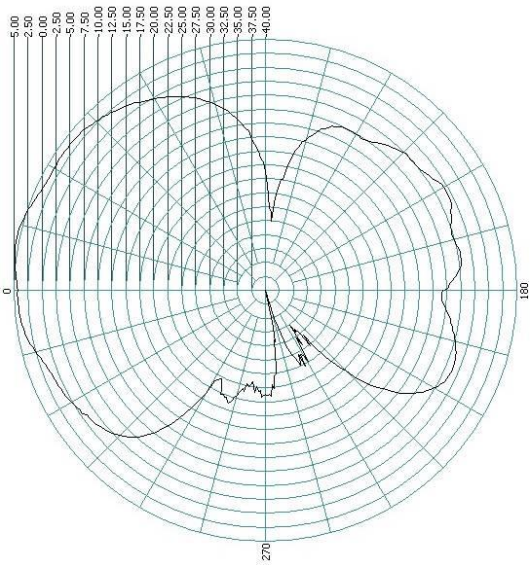

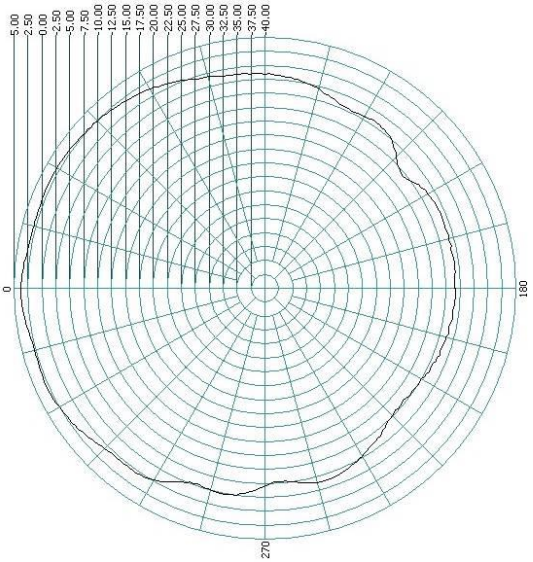

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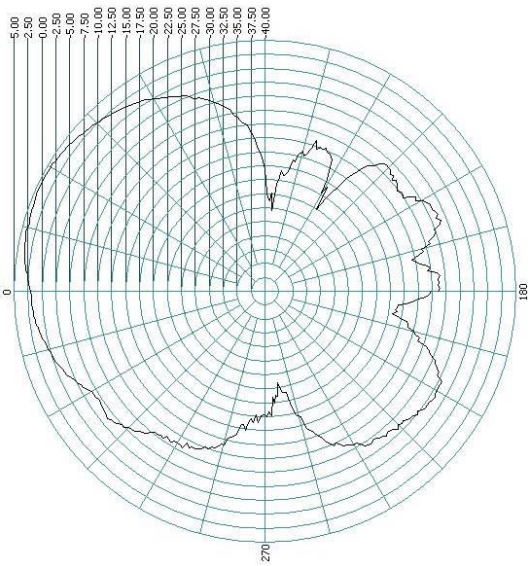

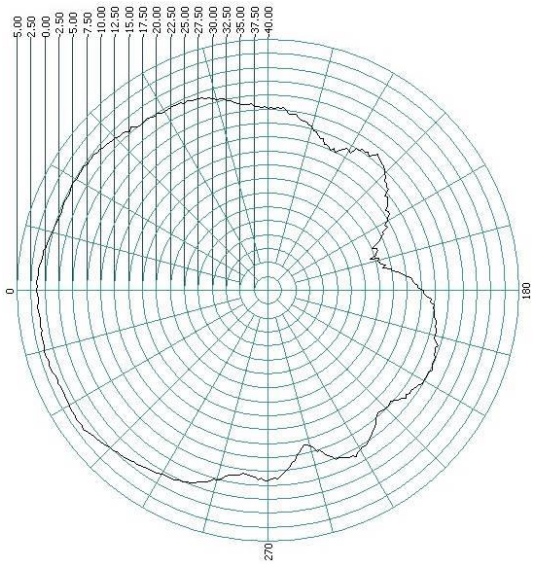

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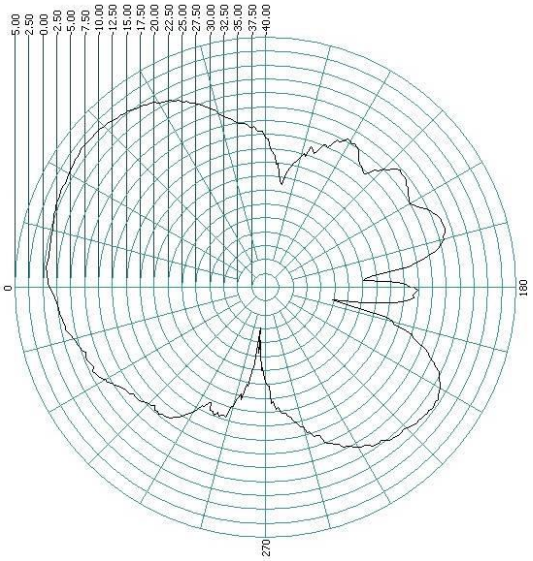
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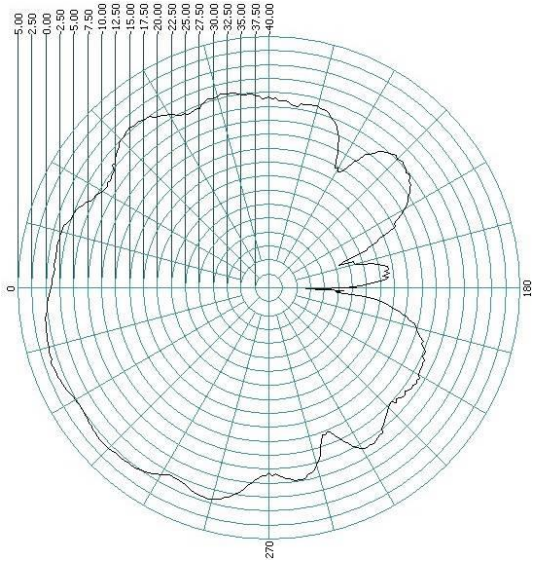
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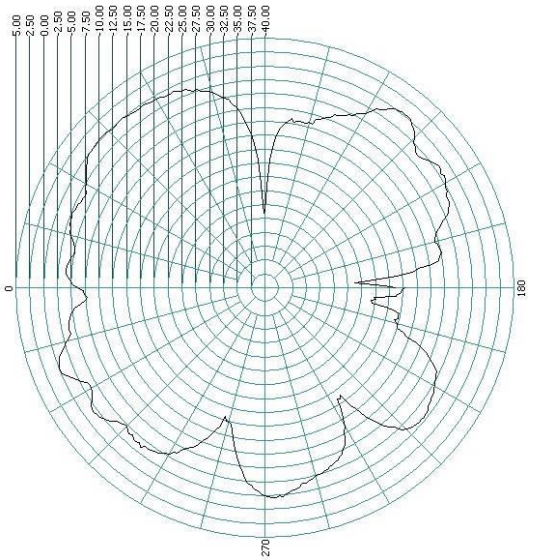
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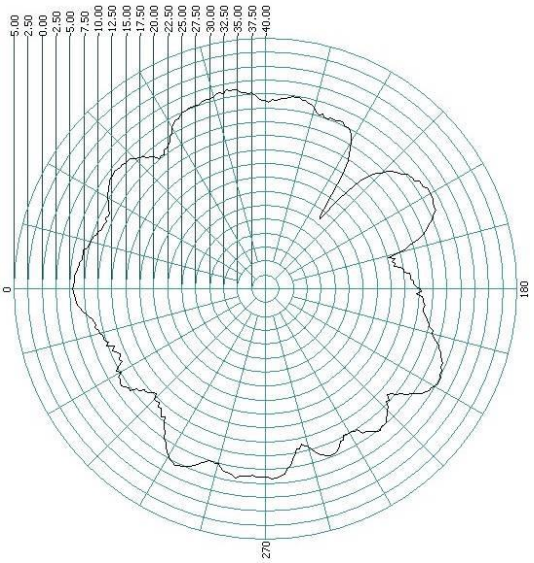
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