

1.2Ghz Antenna

MODEL: TH-1200D



1. GENERAL DESCRIPTION

Model No	P/N
TH-1200D	TH1200D-TNC(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties

Parameter	Description
Frequency Band	1000~1300 MHz (1150Mhz)
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	2~4db

1.2 Mechanical Properties

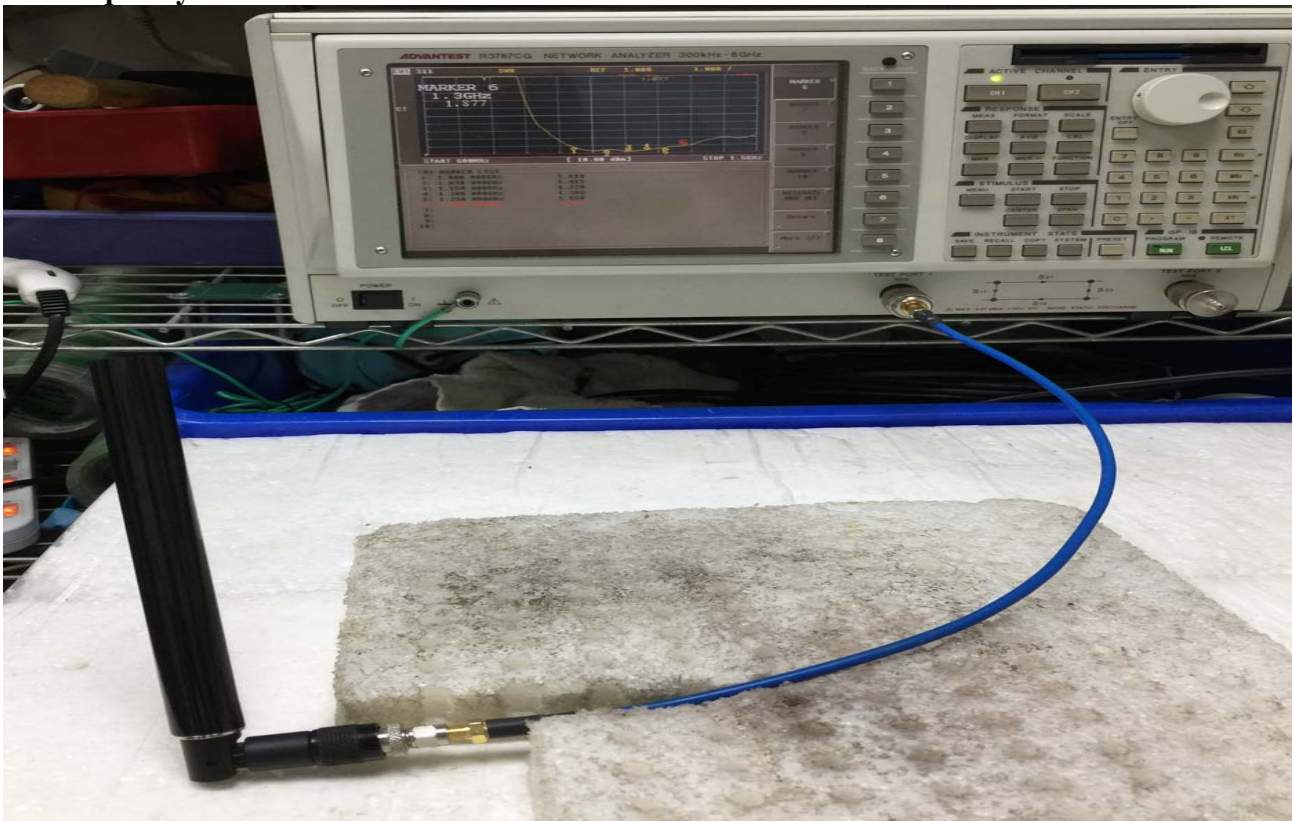
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	TNC(Male)
Antenna Dimensions	200mm \pm 3
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

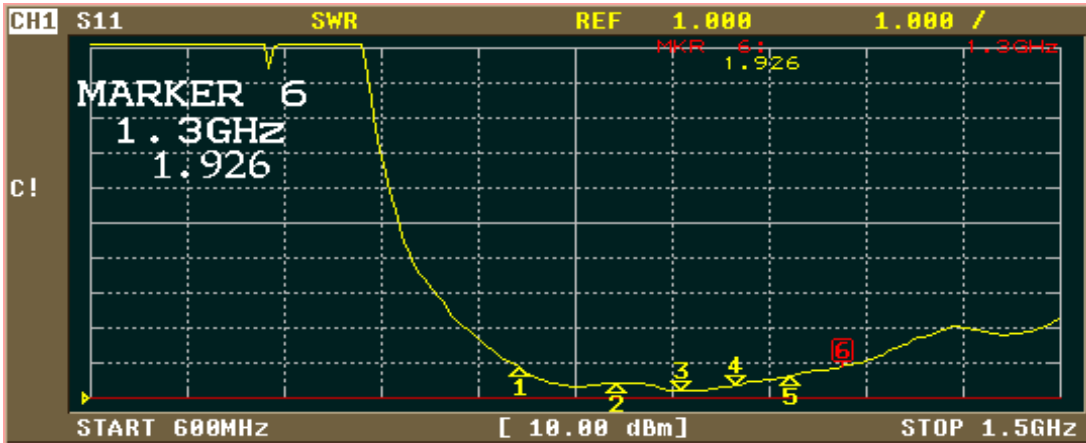
2. Appearance

NO.	NAME	FINISH	Q, TY
01	Plug cap	Black	01
02	Tubing plastic	Black	01
03	Fixed set	Nickel plating	01
04	Fixed upper	Black	01
05	Fixed beneath	Black	01
06	Rivet	Chrom plating	02
07	TNC 180° (Male)	Black plating	01

CUSTOMER' S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
		TH1200D	1.0~1.3GHz	M/M		20181203	I
TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	$\frac{S}{\nabla}$	APPEARANCE					

3. Frequency





CH1 MARKER LIST

1:	1.000 000GHz	1.833
2:	1.090 000GHz	1.415
3:	1.150 000GHz	1.287
4:	1.200 000GHz	1.356
5:	1.250 000GHz	1.635
6:	1.300 000GHz	1.925
7:		
8:		
9:		
10:		

ACTIVATE MARKER

MARKER 6

MARKER 7

MARKER 8

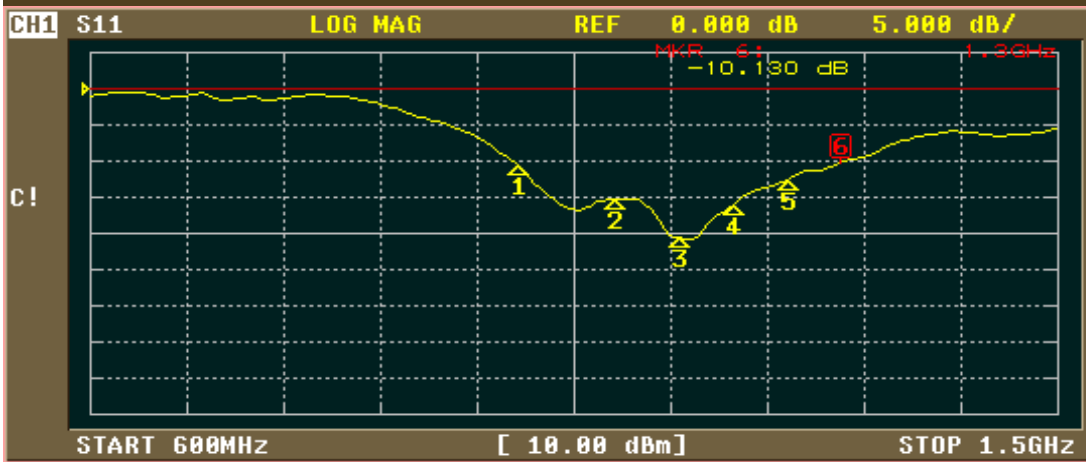
MARKER 9

MARKER 10

ACTIVATE MKR OFF

Return

More 2/2



CH1 MARKER LIST

1:	1.000 000GHz	-10.798 dB
2:	1.090 000GHz	-15.270 dB
3:	1.150 000GHz	-20.641 dB
4:	1.200 000GHz	-15.874 dB
5:	1.250 000GHz	-12.494 dB
6:	1.300 000GHz	-10.130 dB
7:		
8:		
9:		
10:		

FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

SMITH (G+jB)

POLAR

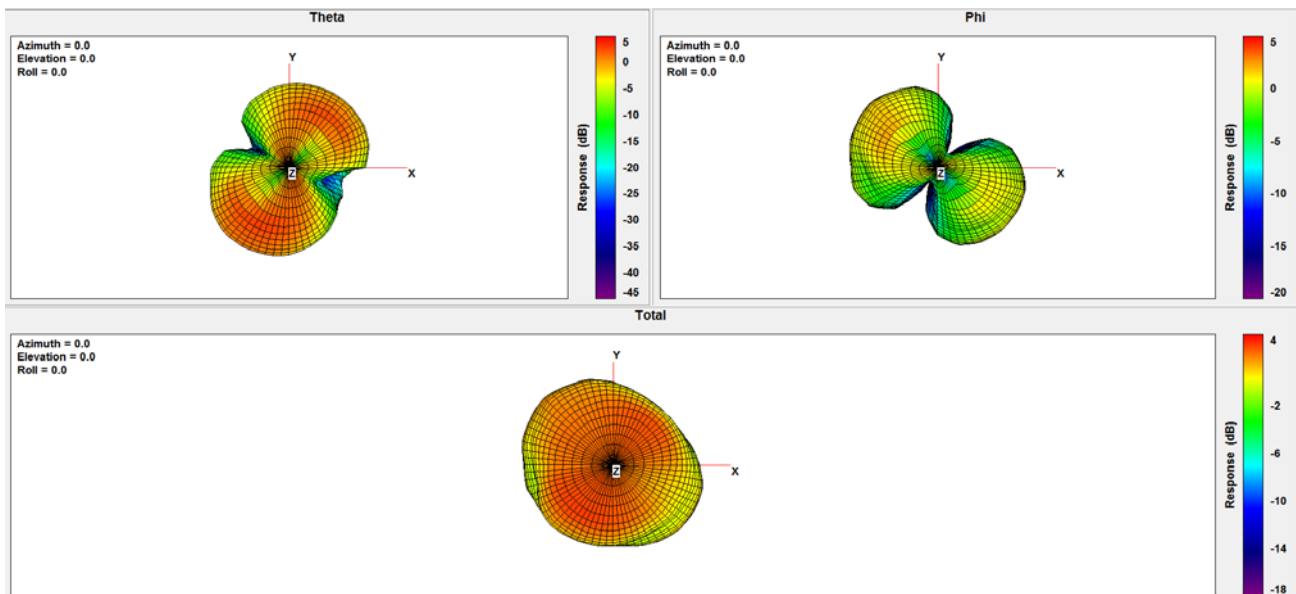
LIN MAG

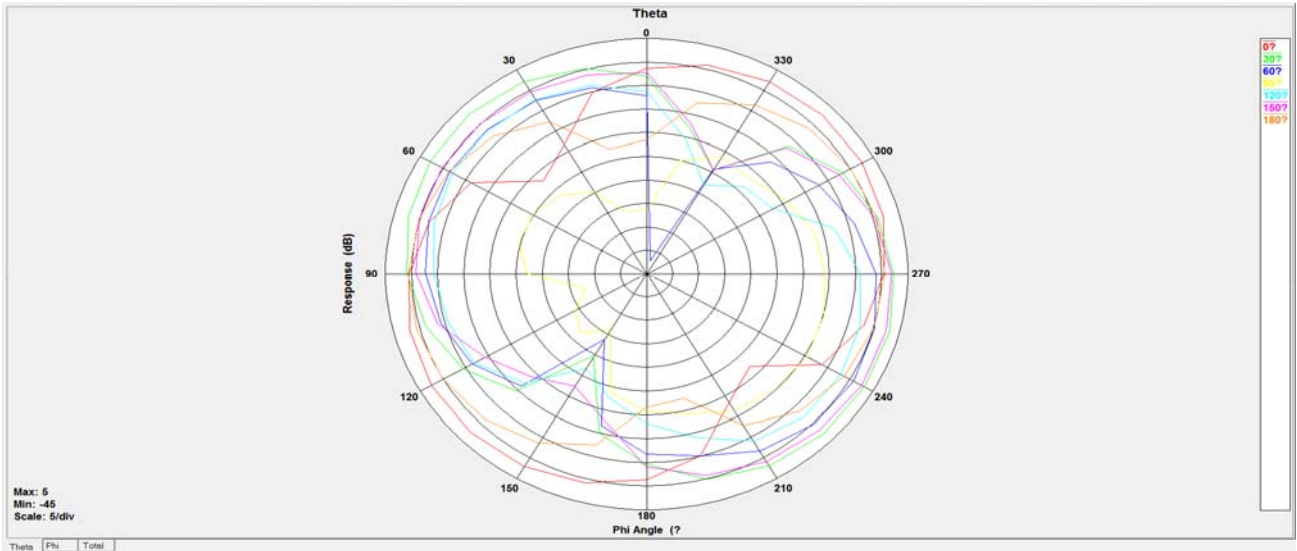
More 1/2



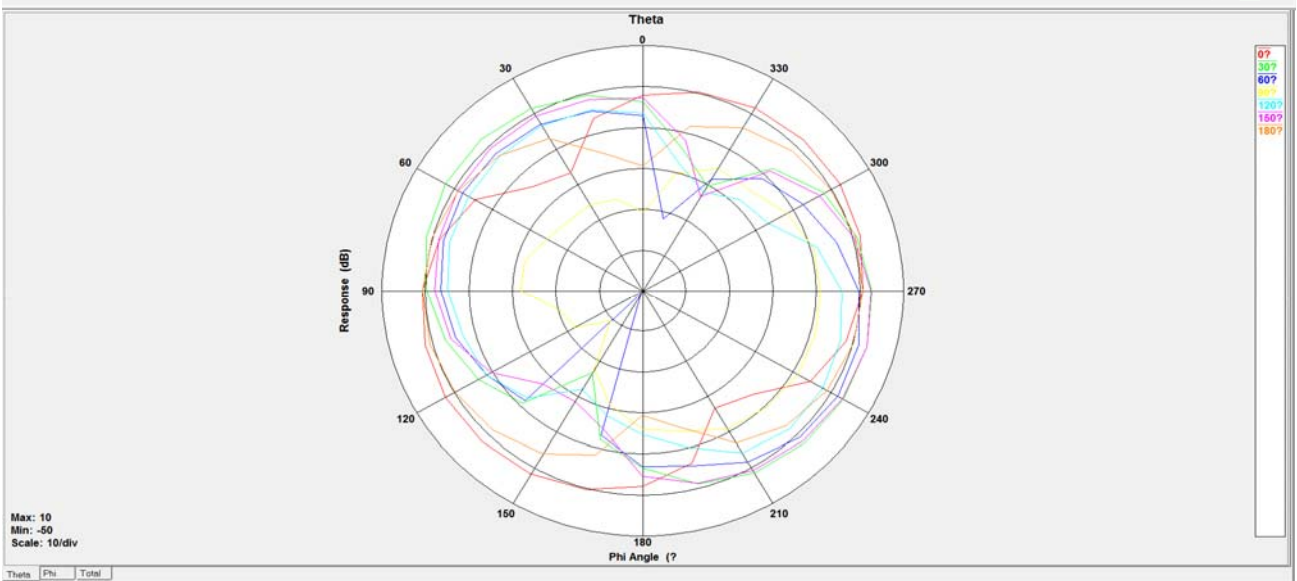
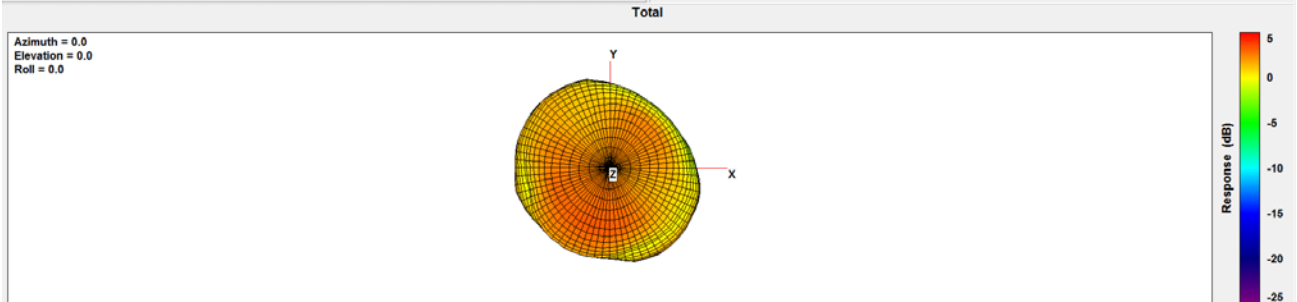
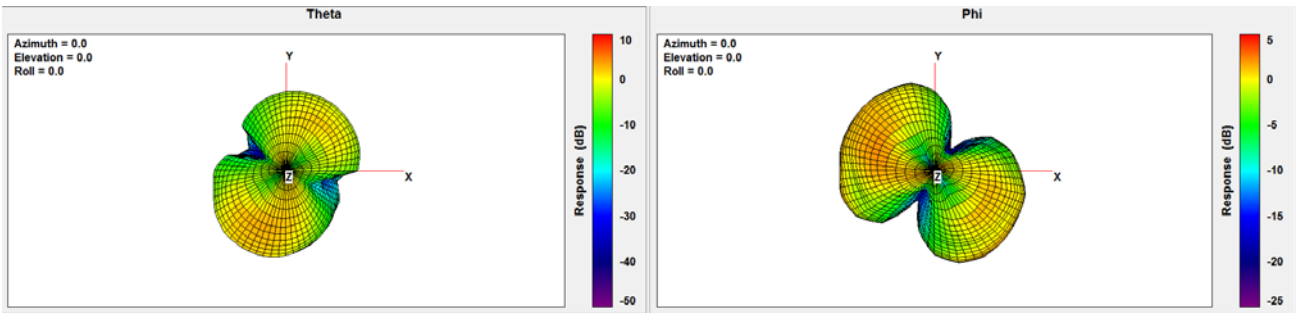
Frequency (MHz)	1000	1090	1150	1200	1250	1270	1280	1300
Peak Gain (dBi)	1.95	3.72	4.64	4.35	3.59	3.10	2.78	2.50
Efficiency (%)	66.63	94.50	93.98	96.16	95.41	86.00	80.98	71.43

1090Mhz

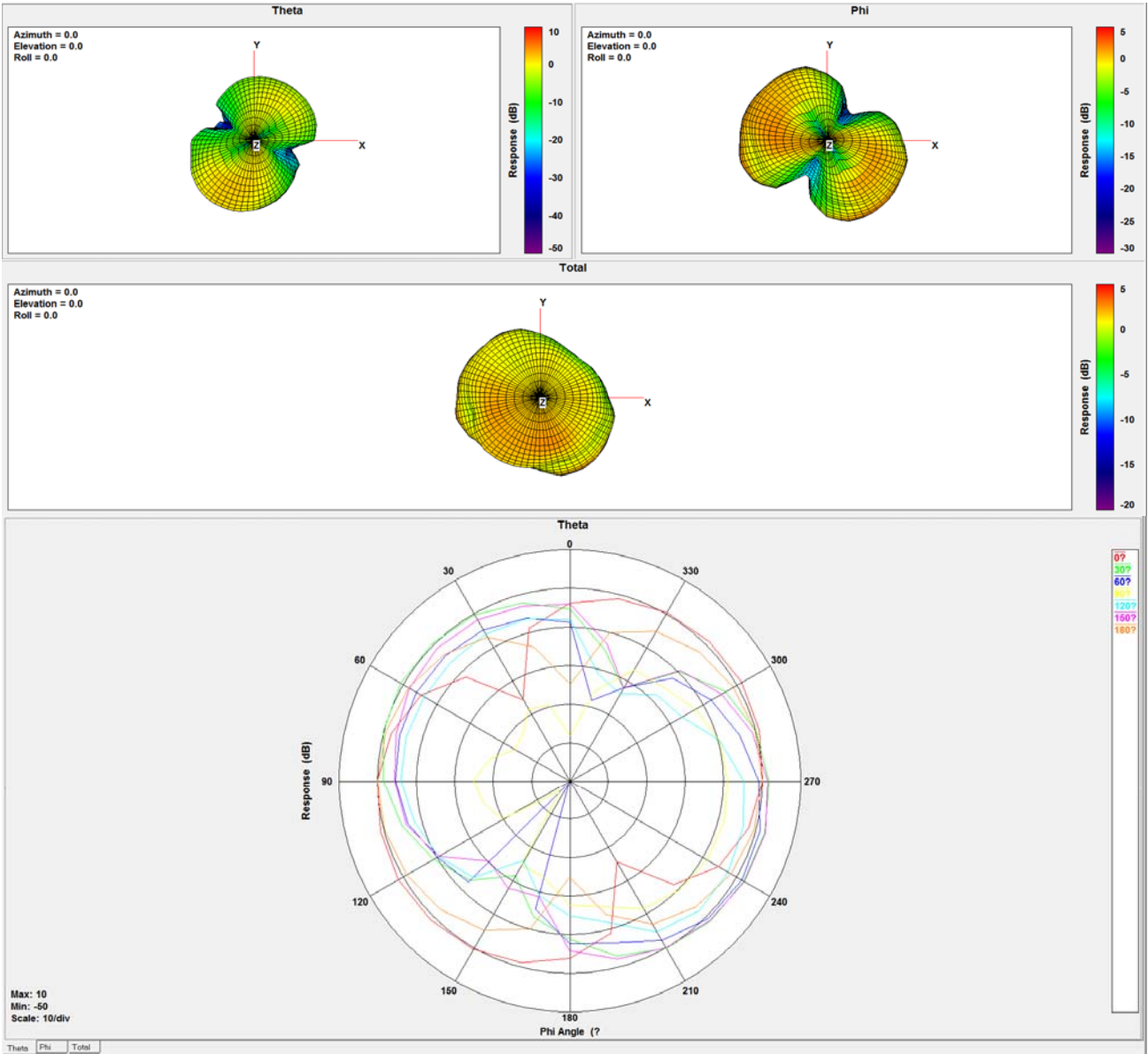




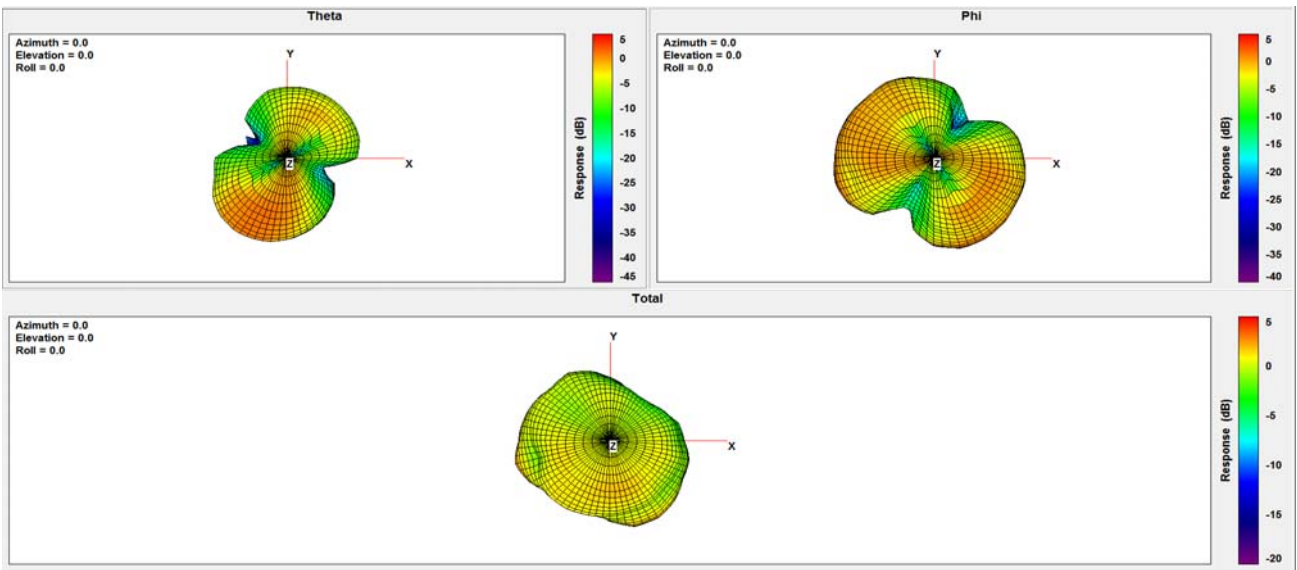
1150Mhz

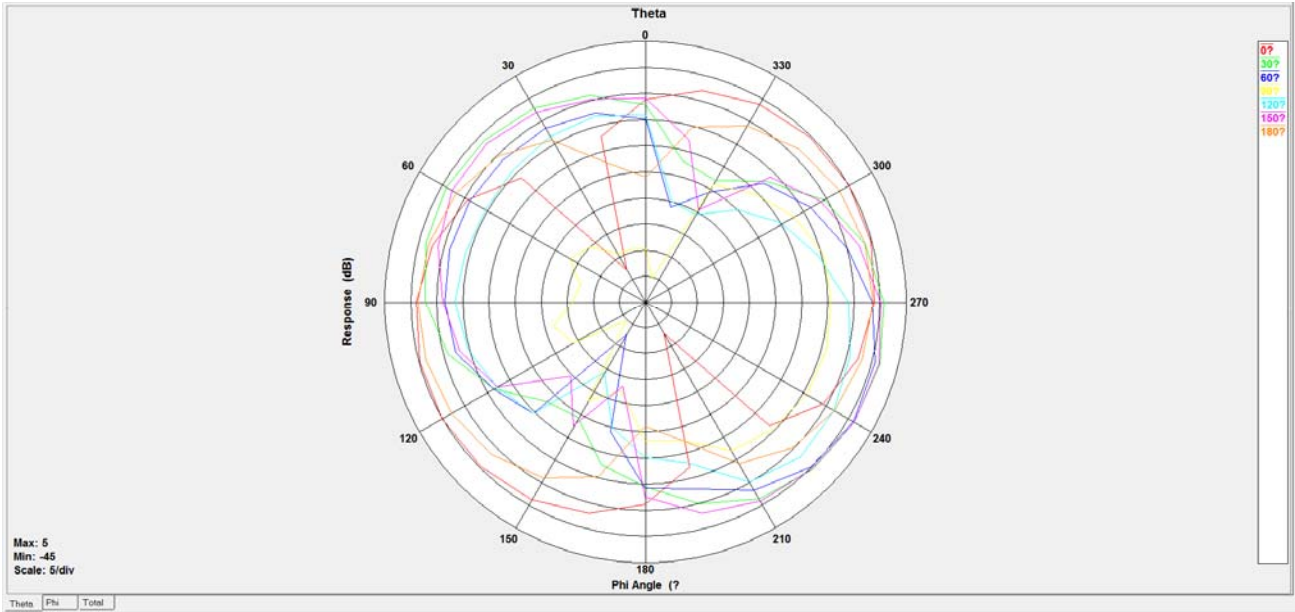


1200Mhz



1250Mhz





1300Mhz

