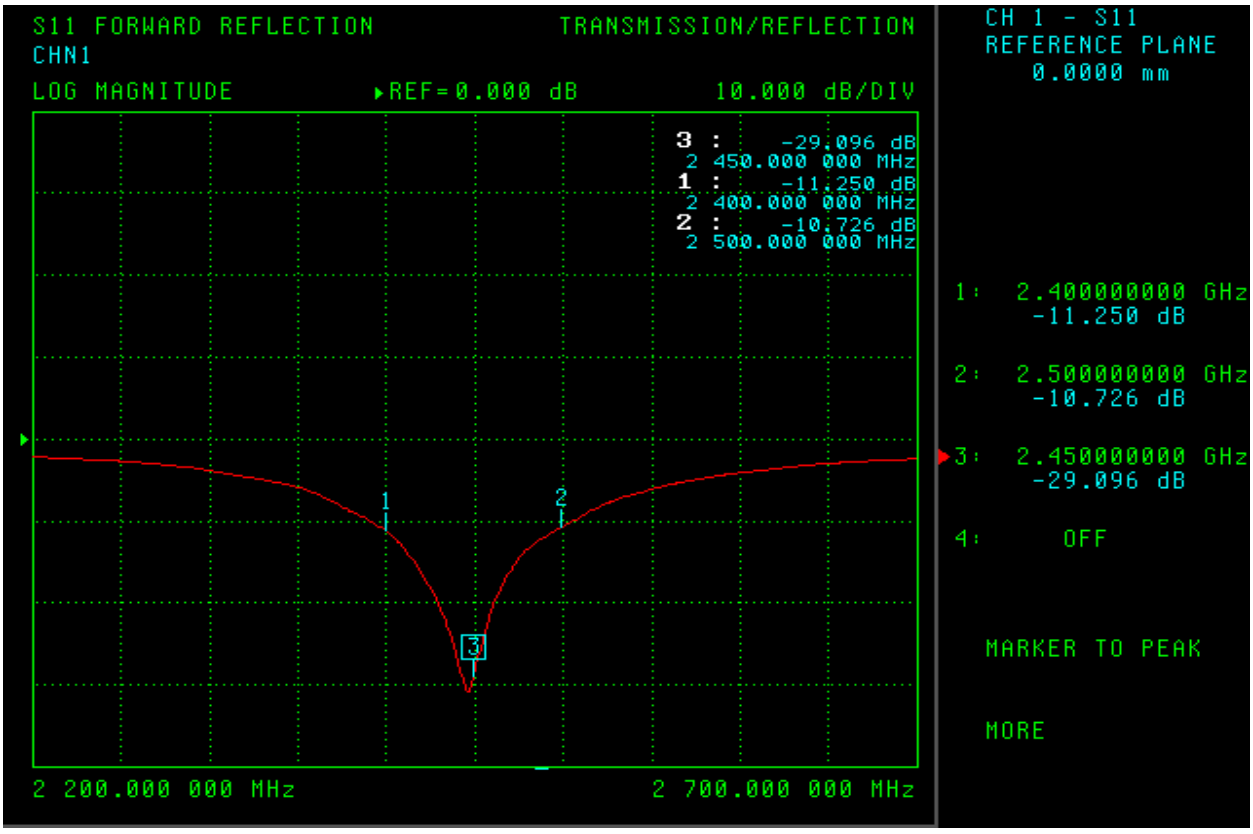
2.4G Antenna

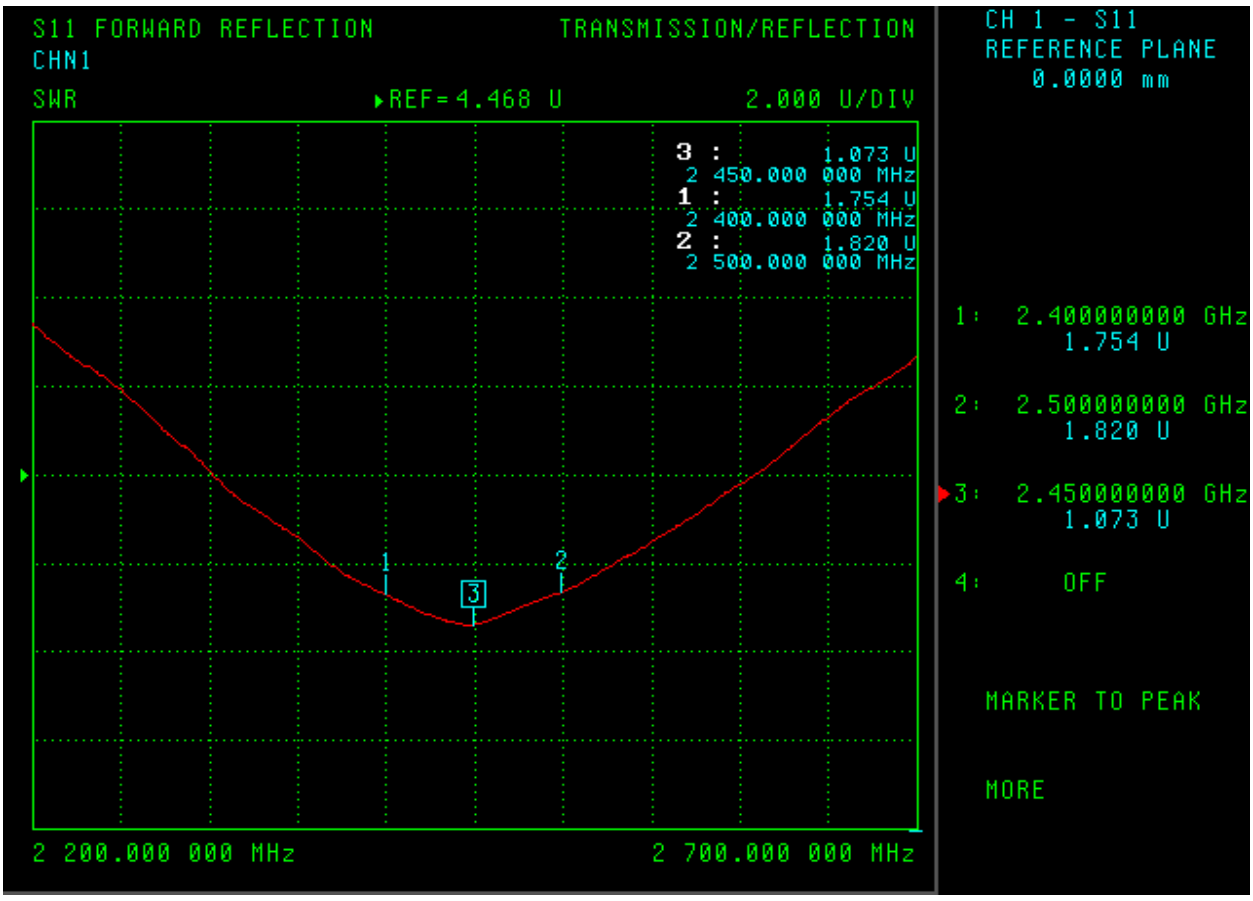
MODEL: TH-95

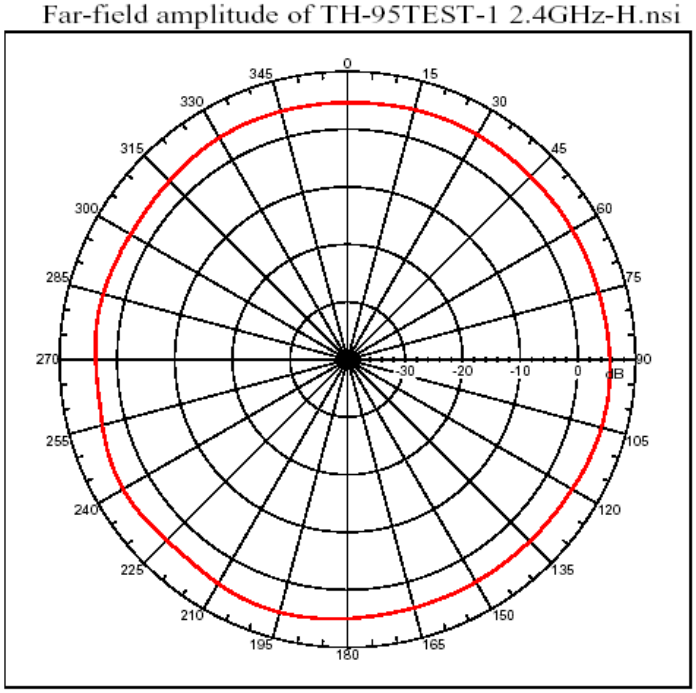
Specifications:

Frequency range:	2.4G ~ 2.5G
Gain:	5dbi
V.S.W.R:	2.0:1
Impedence:	50 ohm
Connector:	SMA(RP)
Dimension:	9.1(Dia.) × 187 (L) mm
Weight:	<20g (With Connector)

* This specification is subject to change without prior notice


S11 FORWARD REFLECTION
TRANSMISSION/REFLECTION
CHN1
LOG MAGNITUDE
REF=0.000 dB
10.000 dB/DIV
3 : -29.096 dB
2 450.000 000 MHz
1 : -11.250 dB
2 400.000 000 MHz
2 : -10.726 dB
2 500.000 000 MHz
2 200.000 000 MHz
2 700.000 000 MHz
CH 1 - S11
REFERENCE PLANE
0.0000 mm
1: 2.400000000 GHz
-11.250 dB
2: 2.500000000 GHz
-10.726 dB
3: 2.450000000 GHz
-29.096 dB
4: OFF
MARKER TO PEAK
MORE


S11 FORWARD REFLECTION
TRANSMISSION/REFLECTION
CHN1
SWR
REF=4.468 U
2.000 U/DIV
3 : 1.073 U
2 450.000 000 MHz
1 : 1.754 U
2 400.000 000 MHz
2 : 1.820 U
2 500.000 000 MHz
2 200.000 000 MHz
2 700.000 000 MHz
CH 1 - S11
REFERENCE PLANE
0.0000 mm
1: 2.400000000 GHz
1.754 U
2: 2.500000000 GHz
1.820 U
3: 2.450000000 GHz
1.073 U
4: OFF
MARKER TO PEAK
MORE

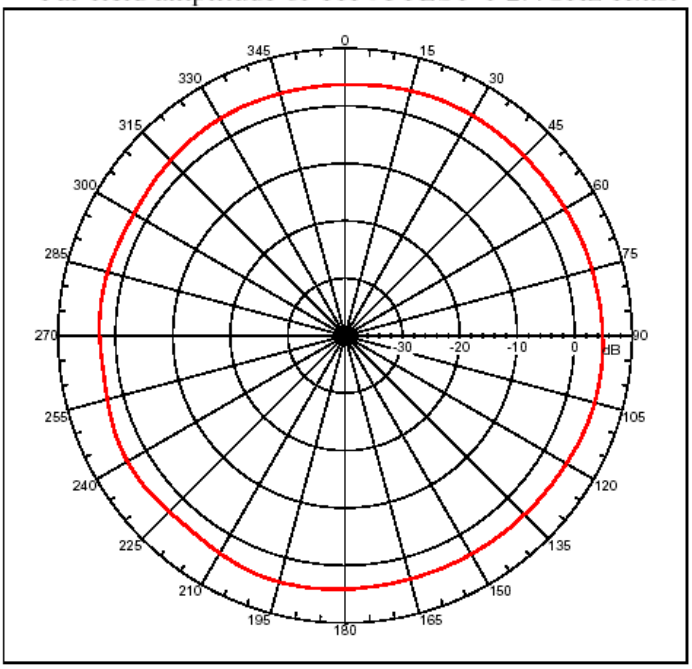



```
Far-field amplitude, Eprincipal, Linear, Tau = 0.000  deg
Gain = 8.73034  dBi
Max far-field (global) = -43.32634  dB, Max far-field (plot) =
-43.32631  dB
Normalization, Reference, Network offset = 0.000  dB
Hpeak at, 97.99999  deg, Vpeak at, 0.000  deg
Plot centering, On

TH-95 TEST-1 2.4GHz-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\2.
4EA-292A\TH95TEST-1 2.4GHz-H.nsi
Measurement date/time, 12/6/2006 9:22:00 AM, Filetype, NSI-97
Far-field Cut Analysis,
   Avg value, 4.706 dB
   -3. dB beam width, Not Found
   -6. dB beam width, Not Found
   -10. dB beam width, Not Found
   Left Sidelobe, -0.74 dB at -119.66%  deg
   Right Sidelobe, Not Found
Far-field display setup
   Azimuth (deg)
      Span = 360.00001  deg, Center = 0.000  deg, #pts = 181
      Start= -180.00001  deg, Stop = 180.00001  deg, Delta = 2.000
deg
   Elevation (deg)
      Center = 0.000  deg, #pts = 1

Selected beam(s) 1 of 3
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
1       2.400  GHz  Azimuth  Elevation  Single-pol
```



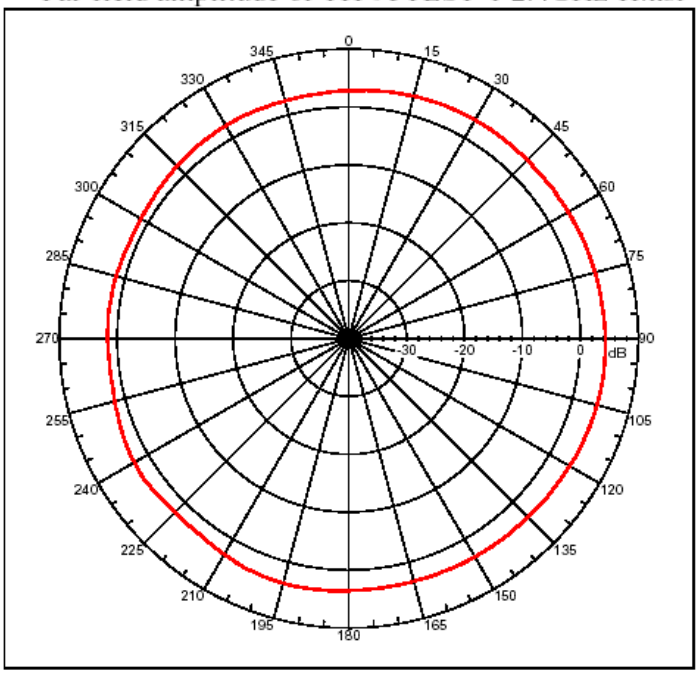

```
Far-field amplitude, Eprincipal, Linear, Tau = 0.000  deg
Gain = 8.04283  dBi
Max far-field (global) = -44.58636  dB, Max far-field (plot) =
-44.58636  dB
Normalization, Reference, Network offset = 0.000  dB
Hpeak at, 102.000  deg, Vpeak at, 0.000  deg
Plot centering, On

TH95TEST-1 2.4GHz-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\2.
4EA-292A\TH95TEST-1 2.4GHz-H.nsi
Measurement date/time, 12/6/2006 9:22:00 AM, Filetype, NSI-97
Far-field Cut Analysis,
   Avg value, 3.845 dB
   -3. dB beam width, Not Found
   -6. dB beam width, Not Found
   -10. dB beam width, Not Found
   Left Sidelobe, -1.26 dB at -119.66%  deg
   Right Sidelobe, Not Found
Far-field display setup
   Azimuth (deg)
      Span = 360.00001  deg, Center = 0.000  deg, #pts = 181
      Start= -180.00001  deg, Stop = 180.00001  deg, Delta = 2.000
deg
   Elevation (deg)
      Center = 0.000  deg, #pts = 1

Selected beam(s) 1 of 3
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
2       2.480  GHz  Azimuth  Elevation  Single-pol
```

Far-field amplitude of TH-95TEST-1 2.4GHz-H.nsi



Far-field amplitude, Eprincipal, Linear, Tau = 0.000 deg
Gain = 4.4462 dBi
Max far-field (global) = -45.7249 dB, Max far-field (plot) = -45.7251 dB
Normalization, Reference, Network offset = 0.000 dB
Hpeak at, 97.99999 deg, Vpeak at, 0.000 deg
Plot centering, On

TH95TEST-1 2.4GHz-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\2.4HA-292A\TH95TEST-1 2.4GHz-H.nsi
Measurement date/time, 12/6/2006 9:22:00 AM, Filetype, NSI-97
Far-field Cut Analysis,
   Avg value, 3.104 dB
   -3. dB beam width, Not Found
   -6. dB beam width, Not Found
   -10. dB beam width, Not Found
   Left Sidelobe, -1.70 dB at -117.654 deg
   Right Sidelobe, Not Found
Far-field display setup
   Azimuth (deg)
      Span = 360.00001 deg, Center = 0.000 deg, #pts = 181
      Start= -180.00001 deg, Stop = 180.00001 deg, Delta = 2.000 deg
   Elevation (deg)
      Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 3

Beam	Frequency	Azimuth	Elevation	Pol
1	2.500 GHz	Azimuth	Elevation	Single-pol