

2.4G Antenna

MODEL: TH-96A

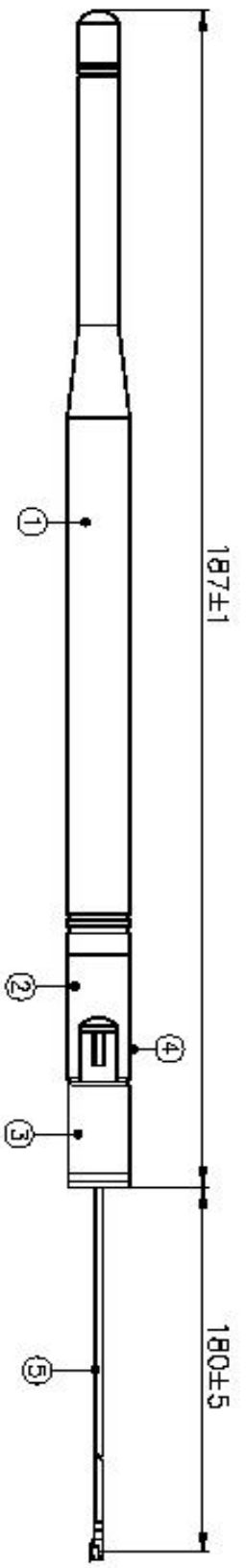
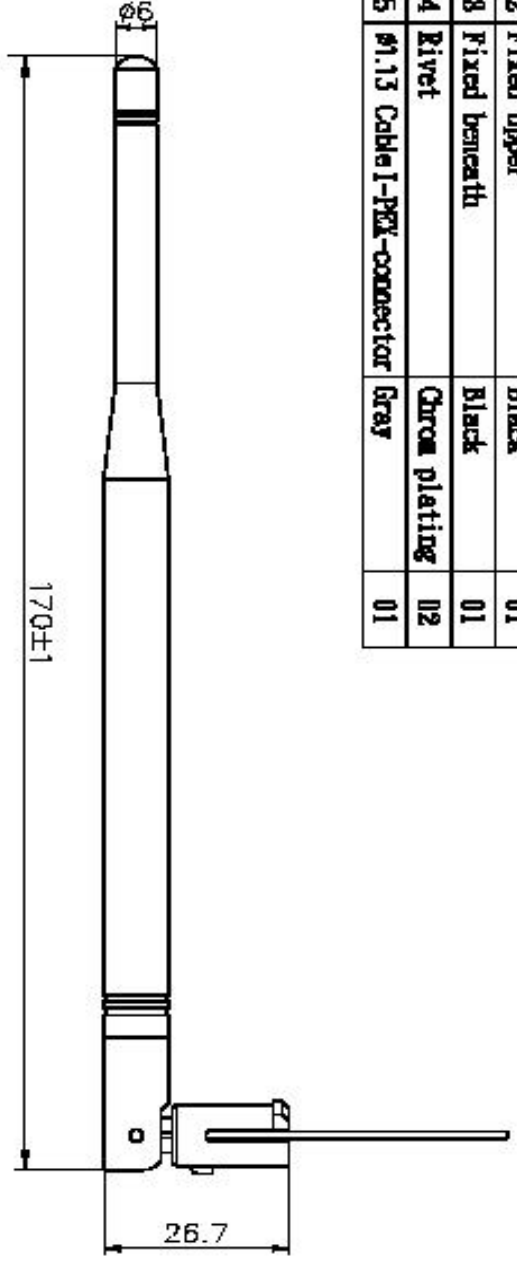


Specifications:

Frequency range:	2.4G ~ 2.5G
Gain:	4~5dBi
V.S.W.R:	2.0:1
Impedence:	50 ohm
Connector:	180mm + IPEX or MMCX90(M) or ----
Dimension:	9.0(Dia.) × 187 (L) mm
Weight:	>20g (With Connector)

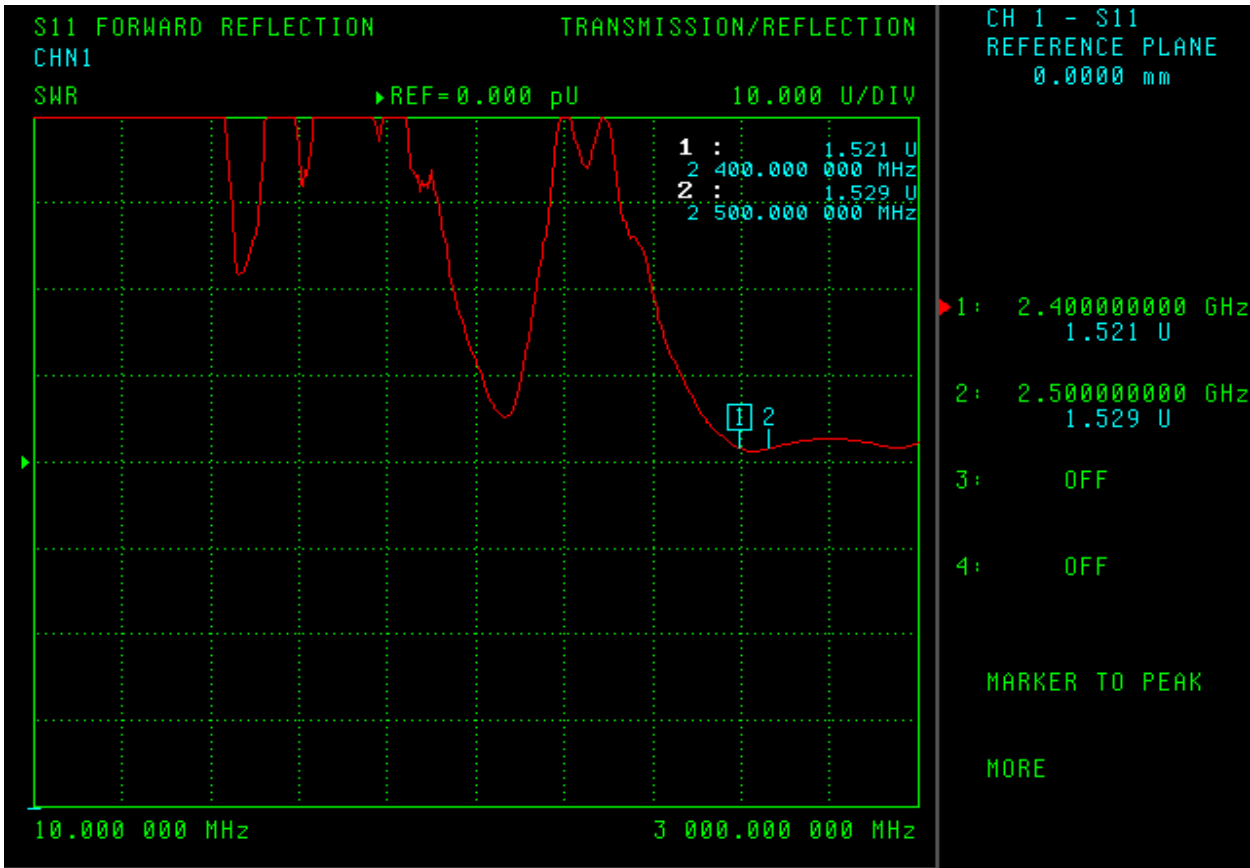
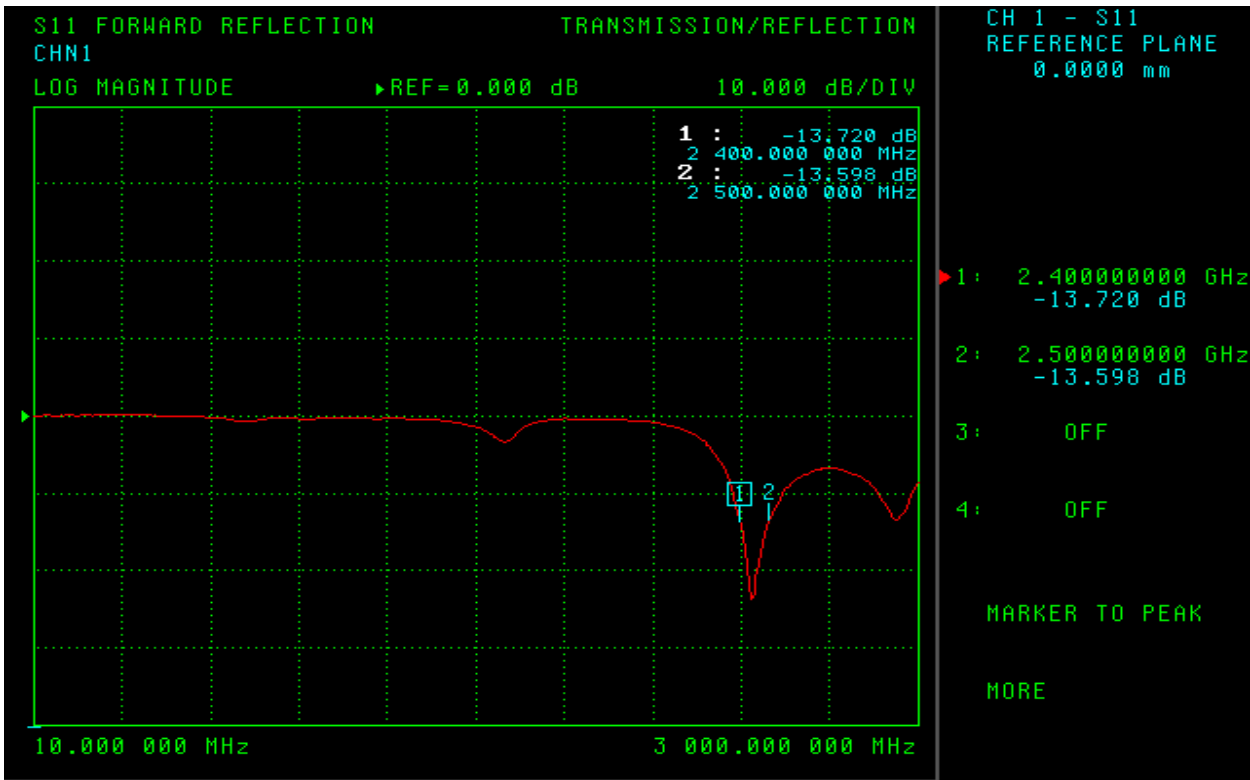
* This specification is subject to change without prior notice

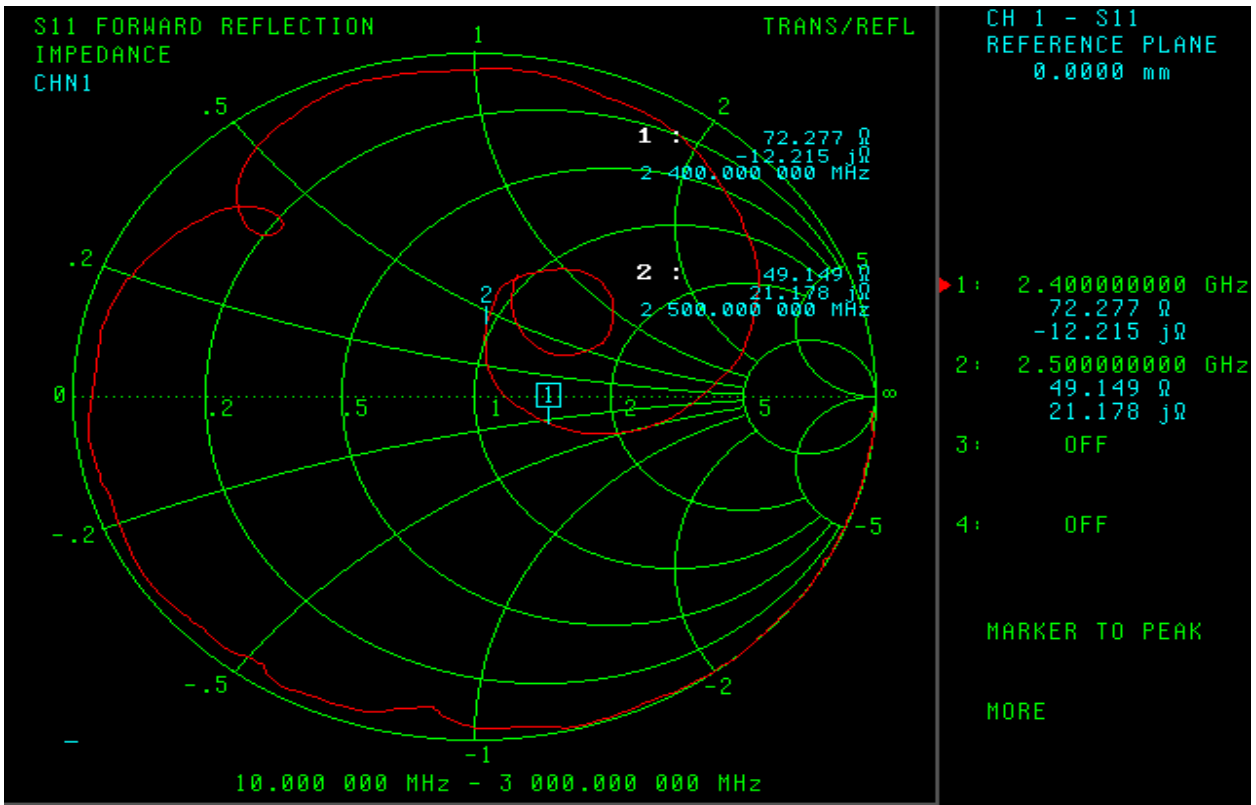
NO.	NAME	FINISH	Q. TY
01	Core tube	Black	01
02	Fixed upper	Black	01
08	Fixed beneath	Black	01
04	Rivet	Chrom plating	02
05	#1.13 Cable I-PEX-connector	Gray	01



CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
			2.4GHz	W/M		20101005	1
TOLERANCE	X.XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	√√	APPEARANCE					



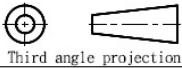




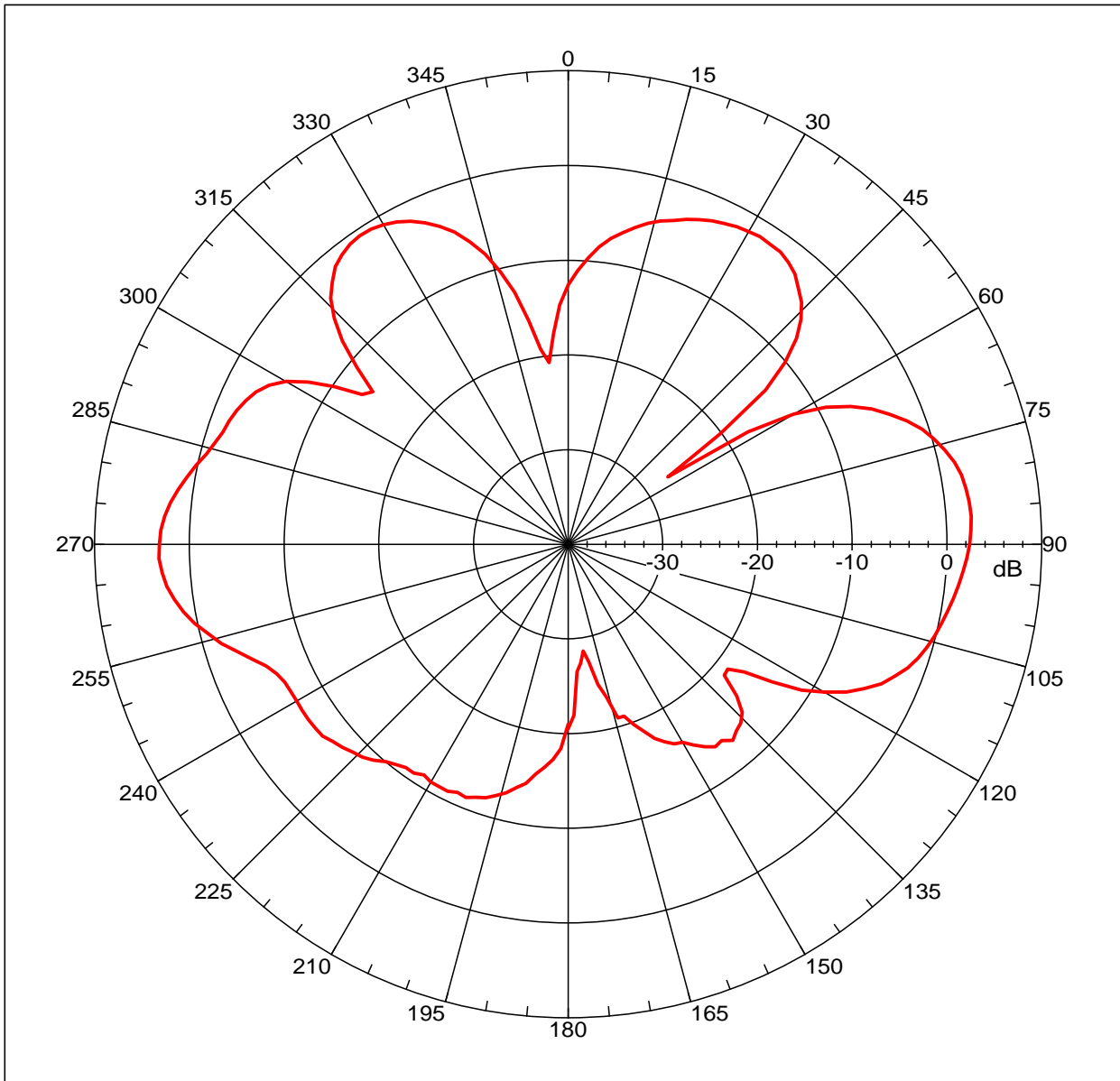
Optional accessories :

NO.	NAME	FINISH	Q, TY
01	Self-guided Base	Black	01

CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
				M/M		20110804	1
TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	S VV	APPEARANCE					



Far-field amplitude of 20101004 2.4G E-Plane2.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 3.20604 dBi
 Max far-field (global) = -45.80159 dB, Max far-field (plot) =
 -45.80166 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: -92.000 deg, Vpeak at: 0.000 deg
 Plot centering: On

20101004 2.4G E-Plane2

NSI2000 V4.0.124, Filename: C:\nsi2000\Midy\2.4G\20101004 2.4G
 E-Plane2.nsi

Measurement date/time: 10/5/2010 3:27:00 PM, Filetype: NSI-97

Far-field Cut Analysis:

Avg value: -5.087 dB

-3. dB beam width: 24.08 deg

-6. dB beam width: 41.64 deg

-10. dB beam width: 58.52 deg

Left Sidelobe: Not Found

Right Sidelobe: -3.91 dB at -33.184 deg

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

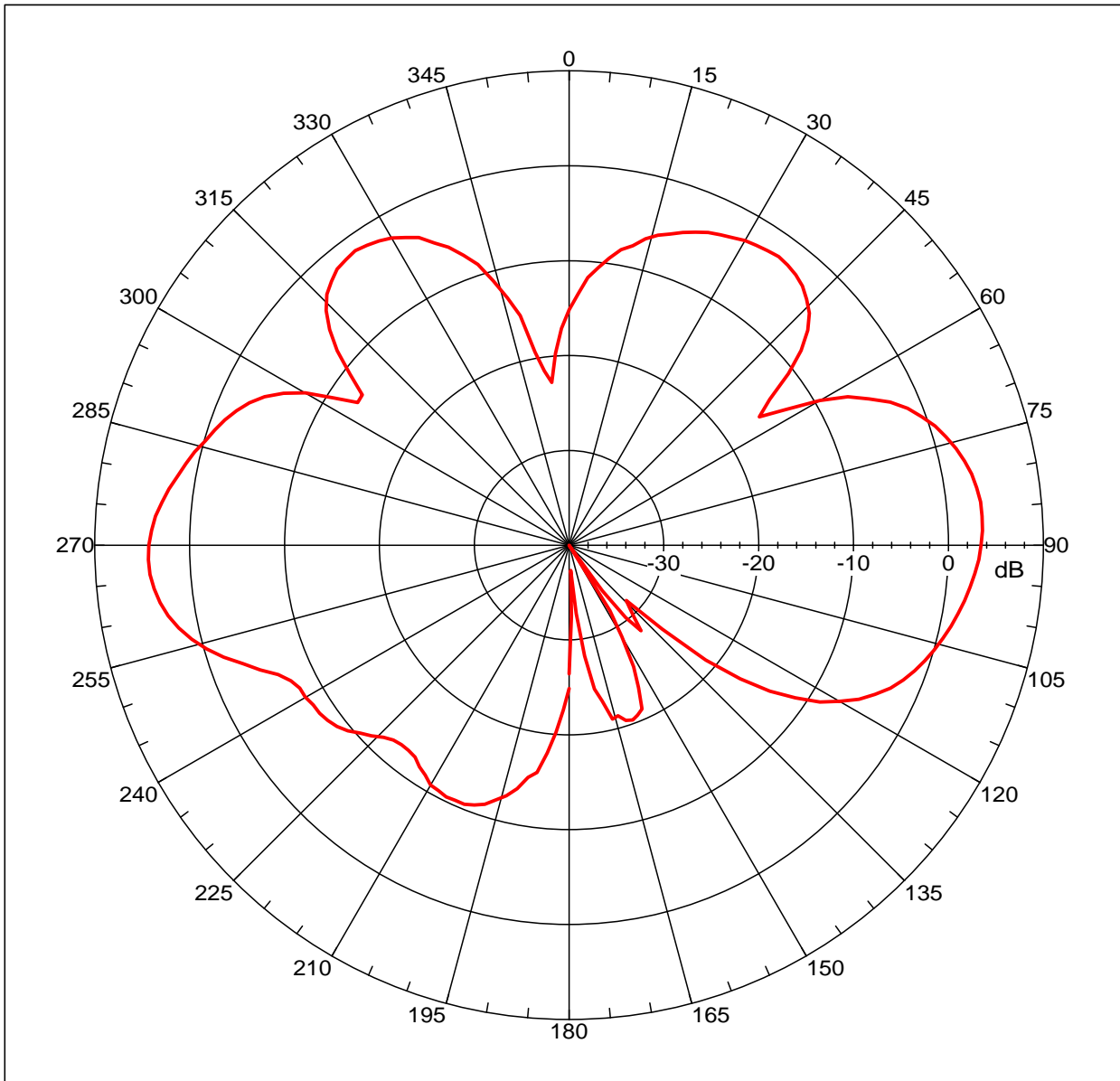
Elevation (deg)

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 of 20101004 2.4G E-Plane2.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 4.36138 dBi
 Max far-field (global) = -45.61677 dB, Max far-field (plot) = -45.61684 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: -92.000 deg, Vpeak at: 0.000 deg
 Plot centering: On

20101004 2.4G E-Plane2

NSI2000 V4.0.124, Filename: C:\nsi2000\Midy\2.4G\20101004 2.4G E-Plane2.nsi

Measurement date/time: 10/5/2010 3:27:00 PM, Filetype: NSI-97

Far-field Cut Analysis:

Avg value: -4.958 dB

-3. dB beam width: 25.10 deg

-6. dB beam width: 38.65 deg

-10. dB beam width: 50.88 deg

Left Sidelobe: -14.83 dB at -153.855 deg

Right Sidelobe: -6.01 dB at -35.196 deg

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

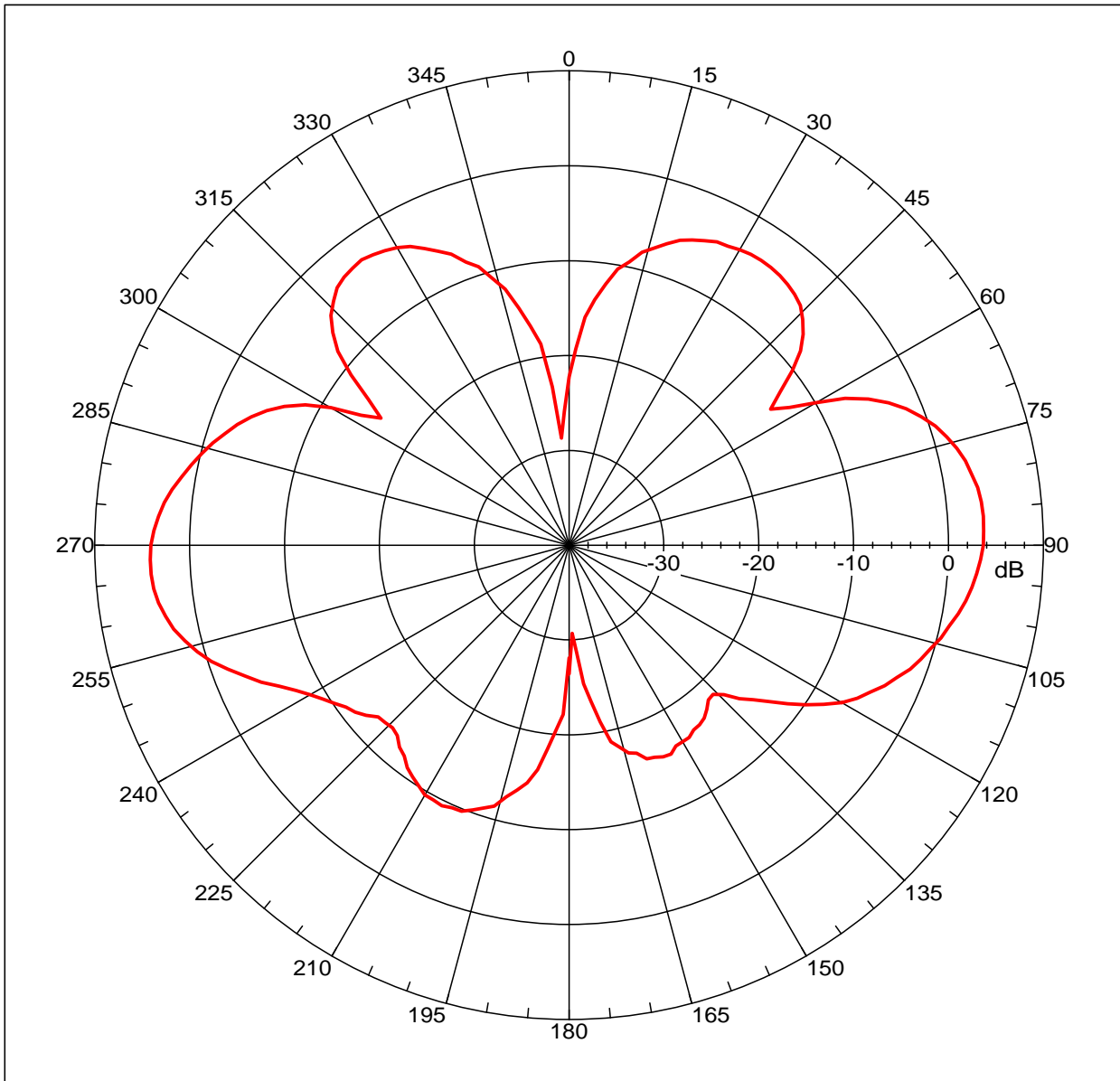
Elevation (deg)

Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 3

Beam	Frequency	Azimuth	Elevation	Pol
2	2.450 GHz	Azimuth	Elevation	Single-pol

Far-field amplitude of 20101004 2.4G E-Plane2.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 4.169 dBi
 Max far-field (global) = -45.96699 dB, Max far-field (plot) = -45.96708 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: -92.000 deg, Vpeak at: 0.000 deg
 Plot centering: On

20101004 2.4G E-Plane2

NSI2000 V4.0.124, Filename: C:\nsi2000\Midy\2.4G\20101004 2.4G E-Plane2.nsi

Measurement date/time: 10/5/2010 3:27:00 PM, Filetype: NSI-97

Far-field Cut Analysis:

Avg value: -5.131 dB

-3. dB beam width: 26.00 deg

-6. dB beam width: 38.17 deg

-10. dB beam width: 50.89 deg

Left Sidelobe: -13.60 dB at -153.855 deg

Right Sidelobe: -7.00 dB at -35.196 deg

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

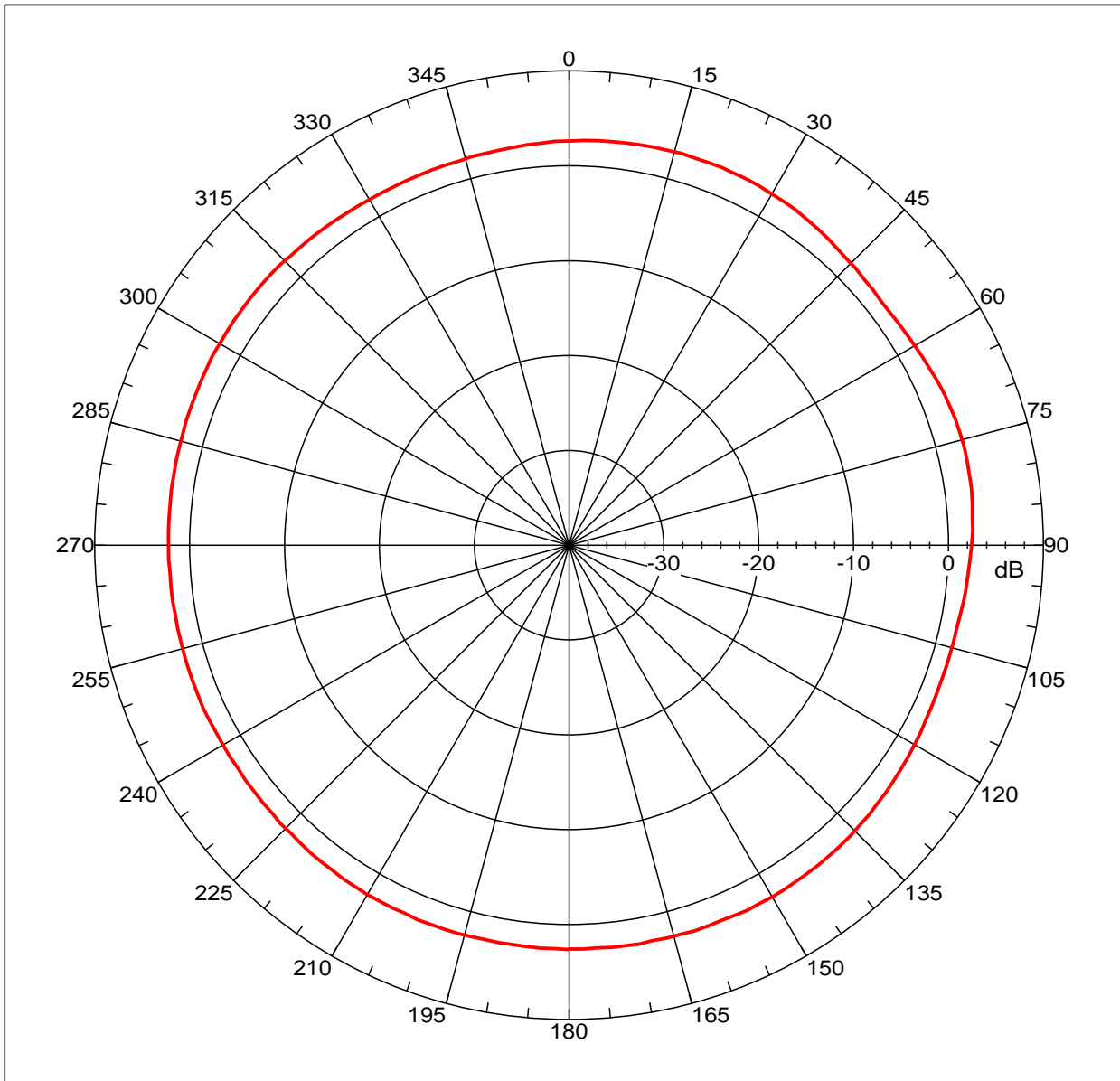
Elevation (deg)

Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 3

Beam	Frequency	Azimuth	Elevation	Pol
3	2.500 GHz	Azimuth	Elevation	Single-pol

Far-field amplitude of 20101004 2.4G H-Plane2.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 2.94204 dBi
 Max far-field (global) = -46.06559 dB, Max far-field (plot) =
 -46.06559 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: 15.99999 deg, Vpeak at: 0.000 deg
 Plot centering: On

20101004 2.4G H-Plane2

NSI2000 V4.0.124, Filename: C:\nsi2000\Midy\2.4G\20101004 2.4G
 H-Plane2.nsi

Measurement date/time: 10/5/2010 3:24:37 PM, Filetype: NSI-97

Far-field Cut Analysis:

Avg value: 2.395 dB

-3. dB beam width: Not Found

-6. dB beam width: Not Found

-10. dB beam width: Not Found

Left Sidelobe: Not Found

Right Sidelobe: -0.04 dB at 77.430 deg

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

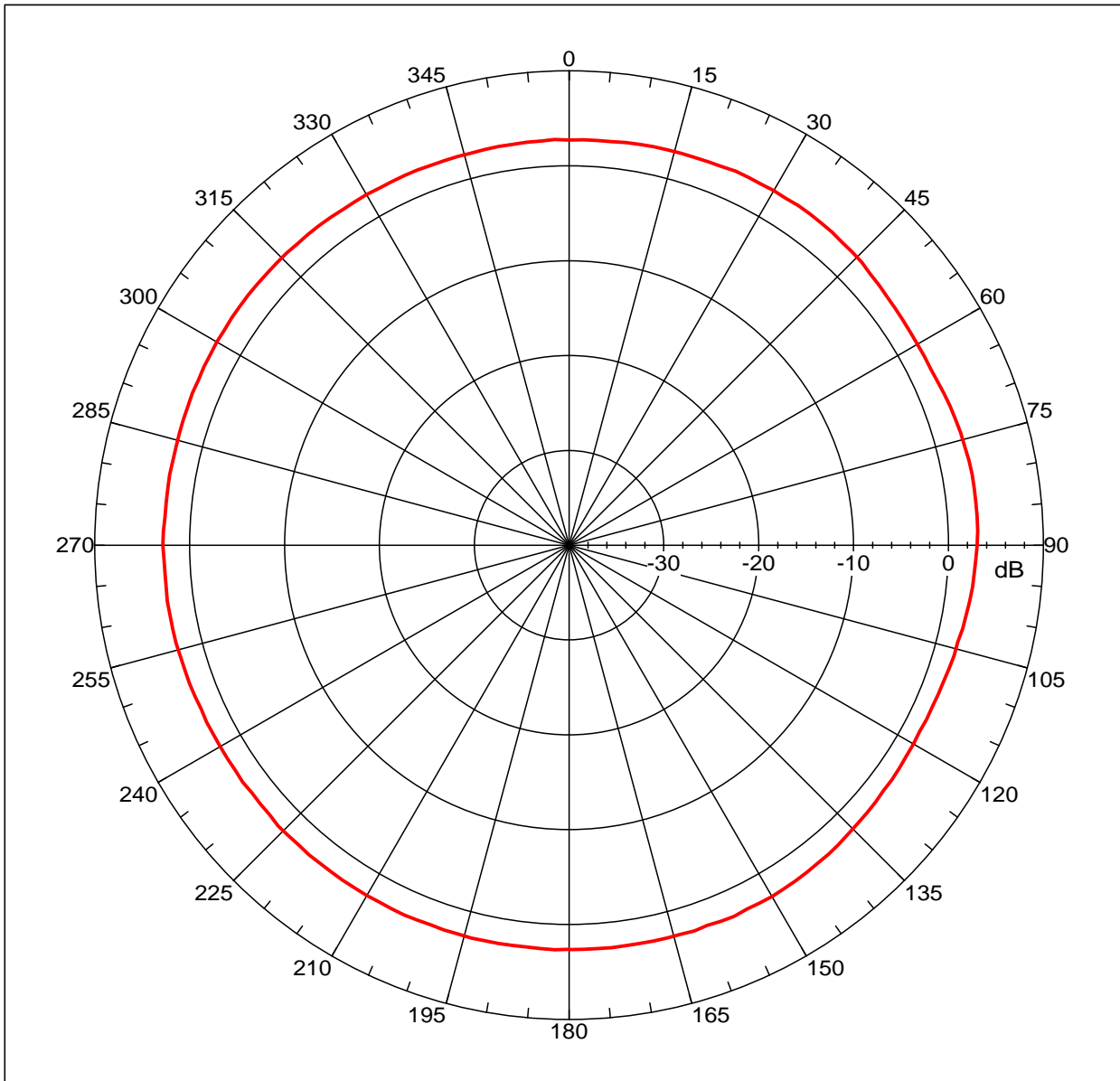
Elevation (deg)

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 of 20101004 2.4G H-Plane2.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 3.17958 dBi
 Max far-field (global) = -46.79857 dB, Max far-field (plot) = -46.79859 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: 33.99999 deg, Vpeak at: 0.000 deg
 Plot centering: On

20101004 2.4G H-Plane2

NSI2000 V4.0.124, Filename: C:\nsi2000\Midy\2.4G\20101004 2.4G H-Plane2.nsi

Measurement date/time: 10/5/2010 3:24:37 PM, Filetype: NSI-97

Far-field Cut Analysis:

Avg value: 2.663 dB

-3. dB beam width: Not Found

-6. dB beam width: Not Found

-10. dB beam width: Not Found

Left Sidelobe: Not Found

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

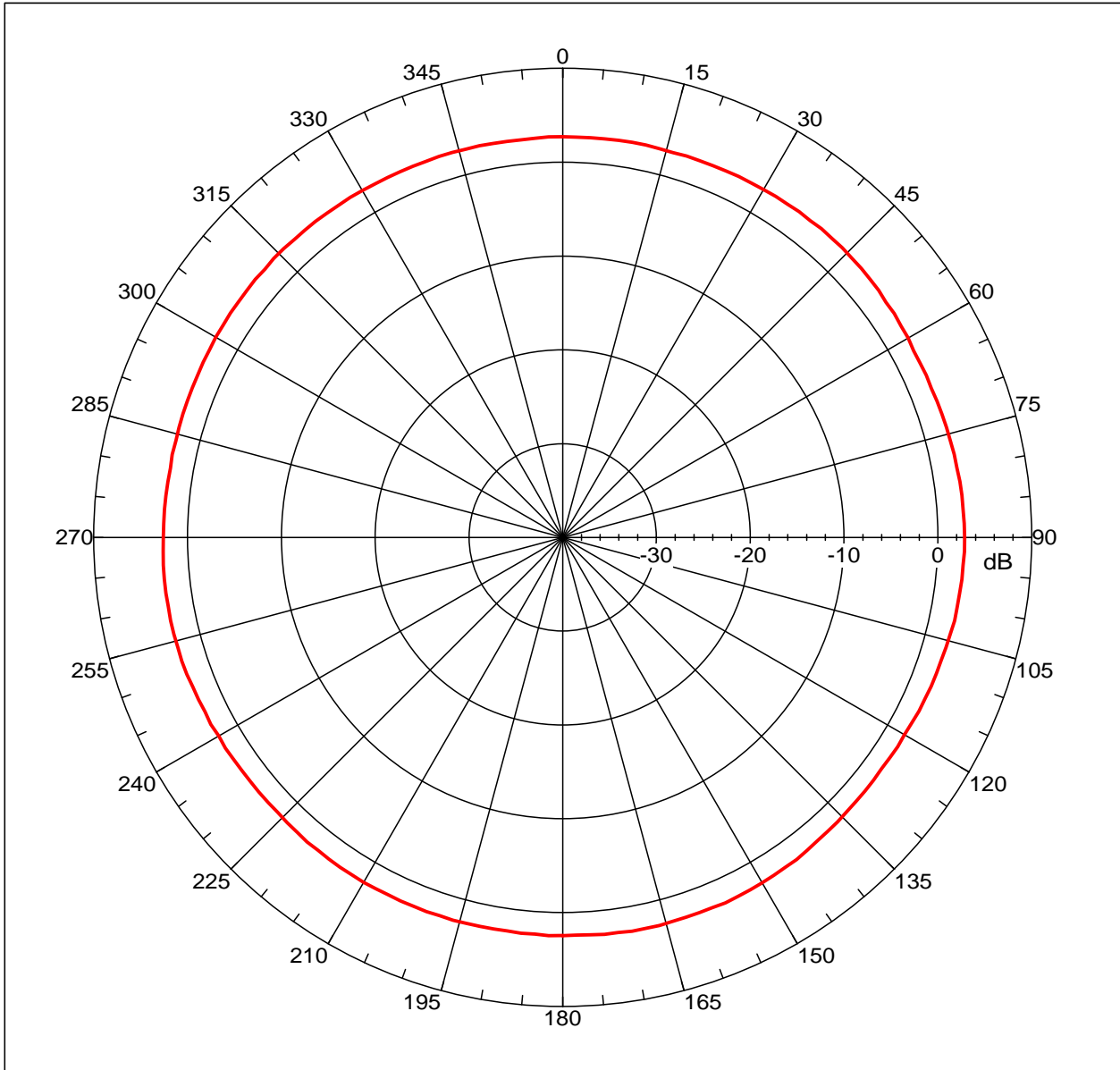
Elevation (deg)

Center = 0.000 deg, #pts = 1

Selected beam(s) 1 of 3

Beam	Frequency	Azimuth	Elevation	Pol
2	2.450 GHz	Azimuth	Elevation	Single-pol

Far-field amplitude of 20101004 2.4G H-Plane2.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg
 Gain = 2.91314 dBi
 Max far-field (global) = -47.22285 dB, Max far-field (plot) = -47.22287 dB
 Normalization: Reference, Network offset = 0.000 dB
 Hpeak at: 39.99999 deg, Vpeak at: 0.000 deg
 Plot centering: On

20101004 2.4G H-Plane2

NSI2000 V4.0.124, Filename: C:\nsi2000\Midy\2.4G\20101004 2.4G H-Plane2.nsi

Measurement date/time: 10/5/2010 3:24:37 PM, Filetype: NSI-97

Far-field Cut Analysis:

Avg value: 2.552 dB
 -3. dB beam width: Not Found
 -6. dB beam width: Not Found
 -10. dB beam width: Not Found
 Left Sidelobe: Not Found
 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
3	2.500 GHz	Azimuth	Elevation	Single-pol