適用

本仕様書は株式会社 IDY（以下、IDY）が SW-42F-LTE-B に追加する仕様であり、IDY が供給する SW-42F-LTE-B-I にのみ適用される。

IDY が供給する本仕様に準拠したアンテナは 3G/LTE/Wimax/Wimax2+通信モジュールに接続するものである。

1. 仕様

型名　SW-42F-LTE-B-I

※その他仕様は SW-42F-LTE-B に準拠

2. 特性と信頼性試験

・ SW-42F-LTE-B に準拠

3. 外観仕様

・ SW-42F-LTE-B に準拠

4. シール仕様

・ 型名、ロットについては SW-42F-LTE-B に準拠

IDY 供給品については下記のシール（サイズ：25mm×7mm）を

アンテナ本体またはビニール袋に貼付

◆LTE 用

◆Wimax/Wimax2+用

5. 梱包仕様

・ SW-42F-LTE-B に準拠

○ お問い合わせ

株式会社IDY
〒101－0043
東京都千代田区神田富山町5−1　神田ビジネスキューブ5F
TEL：03－3527－1740　FAX：03－3527－1741

ANTENNA SPECIFICATIONS FOR APPROVAL

1 GENERAL DESCRIPION

1.1 Type No. : SW-42F-LTE-B

1.2 Customer P/N :

2 DESCRIPTION & APPLICATION

This antenna assembly is designed for use in 690~960/1710~2170/2400~2700MHz/1427.9~1510.9MHz frequency

3 ELECTRICAL CHARACTERISTICS

3.1 Frequency Range	:	690~960/1710~2170/2400~2700MHz/1427.9~1510.9MHz
3.2 V.S.W.R	:	≦3.0
3.3 Connector	:	SMA Male (or others-optional)
3.4 Impedance	:	50 Ω
3.5 Gain	:	2-3dBi
3.6 Cable	:	RG58a/u, RG58 low loss cable or CFD195 low loss cable
3.7 Antenna Dimension	:	269 mm ± 3
3.8 Waterproof rating	:	IP65

4 ENVIRONMENTAL CHARACTERISTICS

4.1 Operating temperature range -30 deg C ~ +70 deg C

4.2 Storage temperature range -40 deg C ~ +80 deg C

5 QUALIFICATION TESTING

5.1 All products shall be able to withstand the following testing.

5.2 Physical dimensions identified within this specification.

6 PACKING STYLE

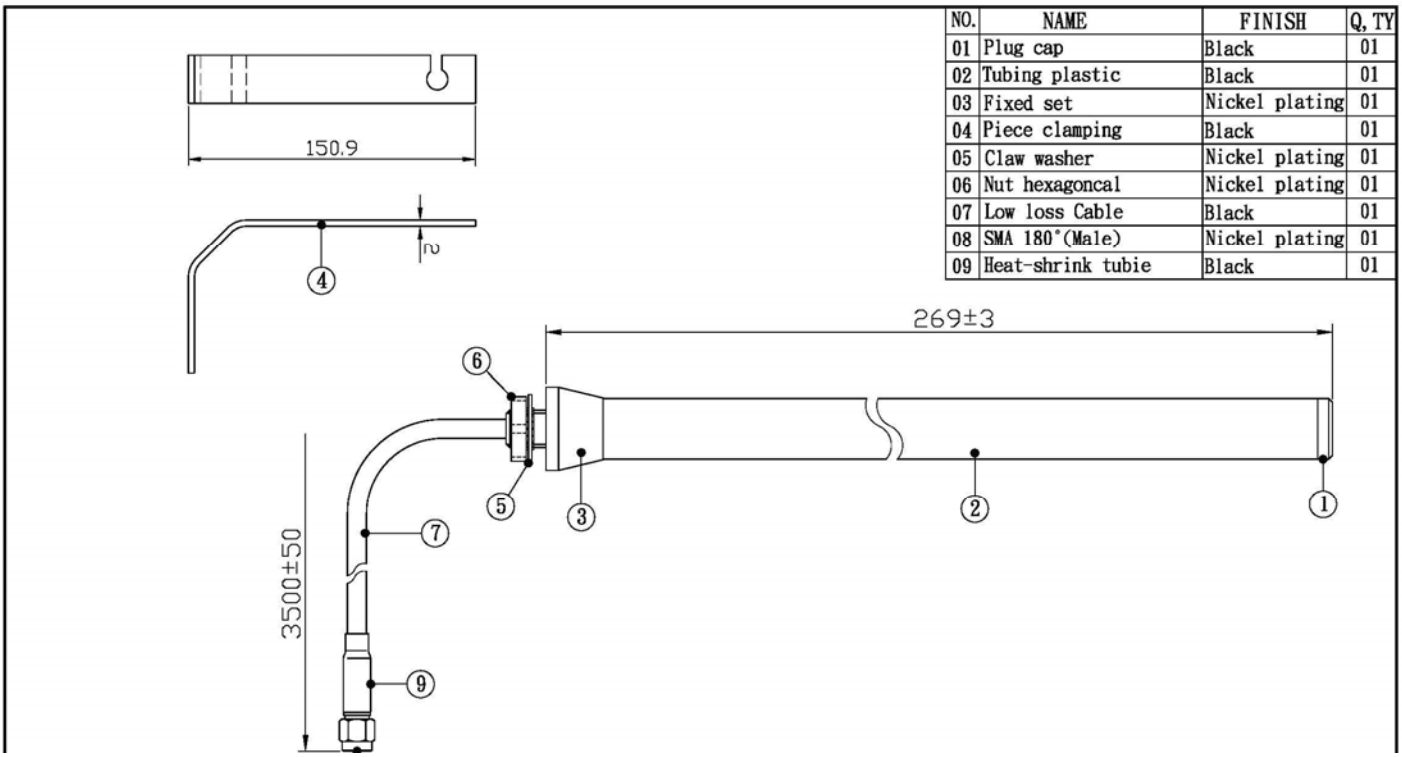
6.1 Packing: Poly Bag.

ANTENNA SPECIFICATIONS FOR APPROVAL

7. Antenna picture -- EXTERNAL ANTENNA – Screw Type w/ Wall Mount

ANTENNA SPECIFICATIONS FOR APPROVAL

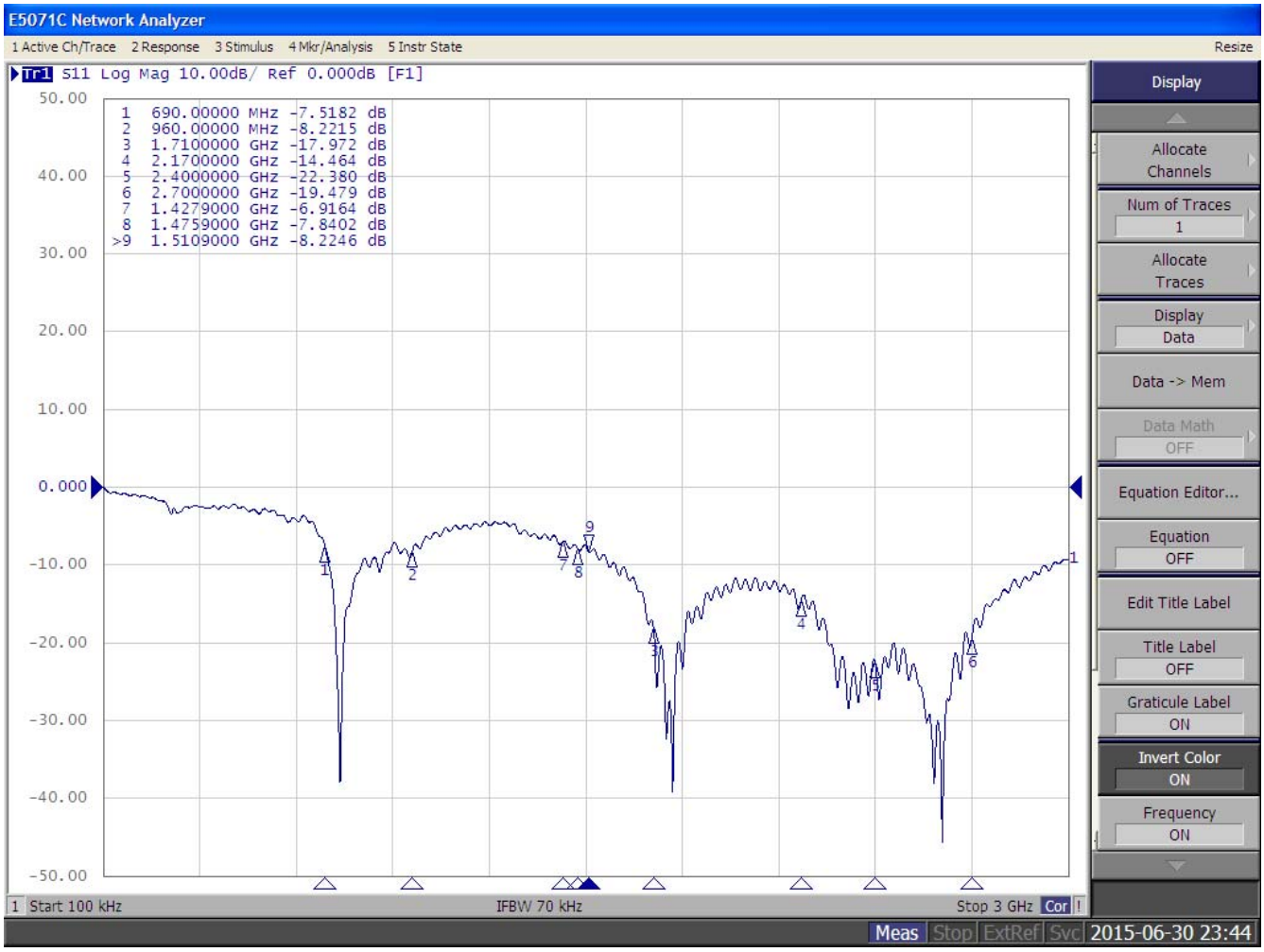
8. Drawing - CFD195 Low loss Cable 3.5meter + SMA Male



NO.	NAME	FINISH	Q, TY
01	Plug cap	Black	01
02	Tubing plastic	Black	01
03	Fixed set	Nickel plating	01
04	Piece clamping	Black	01
05	Claw washer	Nickel plating	01
06	Nut hexagoncal	Nickel plating	01
07	Low loss Cable	Black	01
08	SMA 180°(Male)	Nickel plating	01
09	Heat-shrink tubie	Black	01

ANTENNA SPECIFICATIONS FOR APPROVAL

9. TESTING REPORT S11 (Tested by CFD195 3.5m+SMA Male)



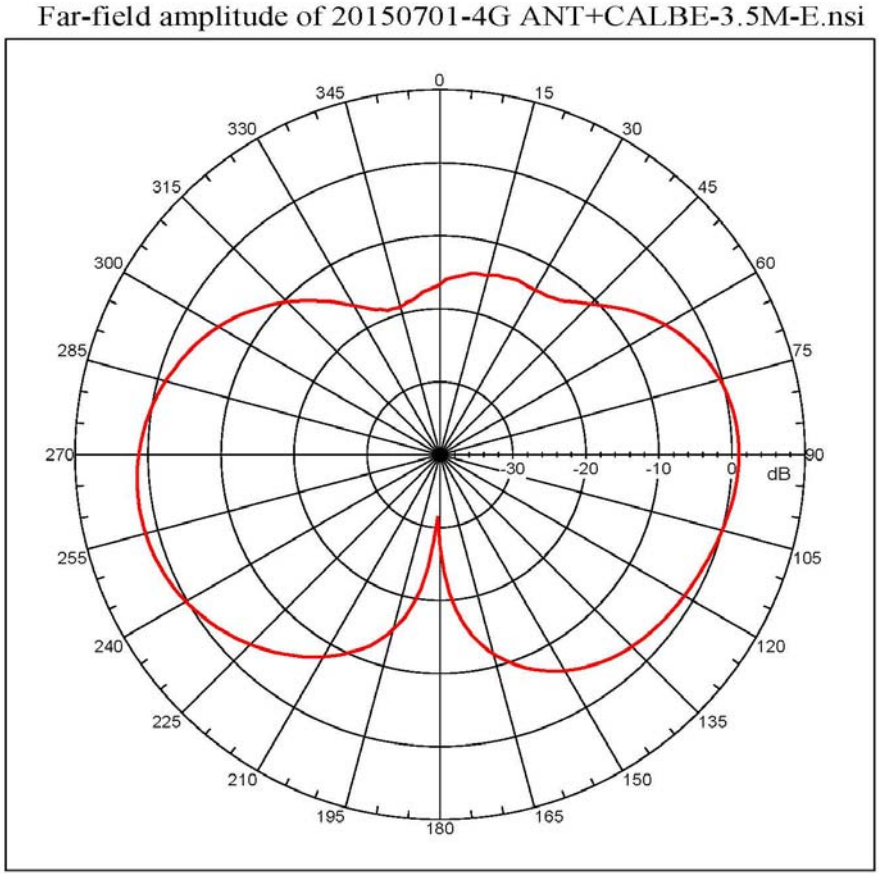
ANTENNA SPECIFICATIONS FOR APPROVAL

10. TESTING REPORT VSWR (Tested by CFD195 3.5m+SMA Male)

ANTENNA SPECIFICATIONS FOR APPROVAL

11. 2D PATTERN (Tested by CFD195 3.5m+SMA Male)

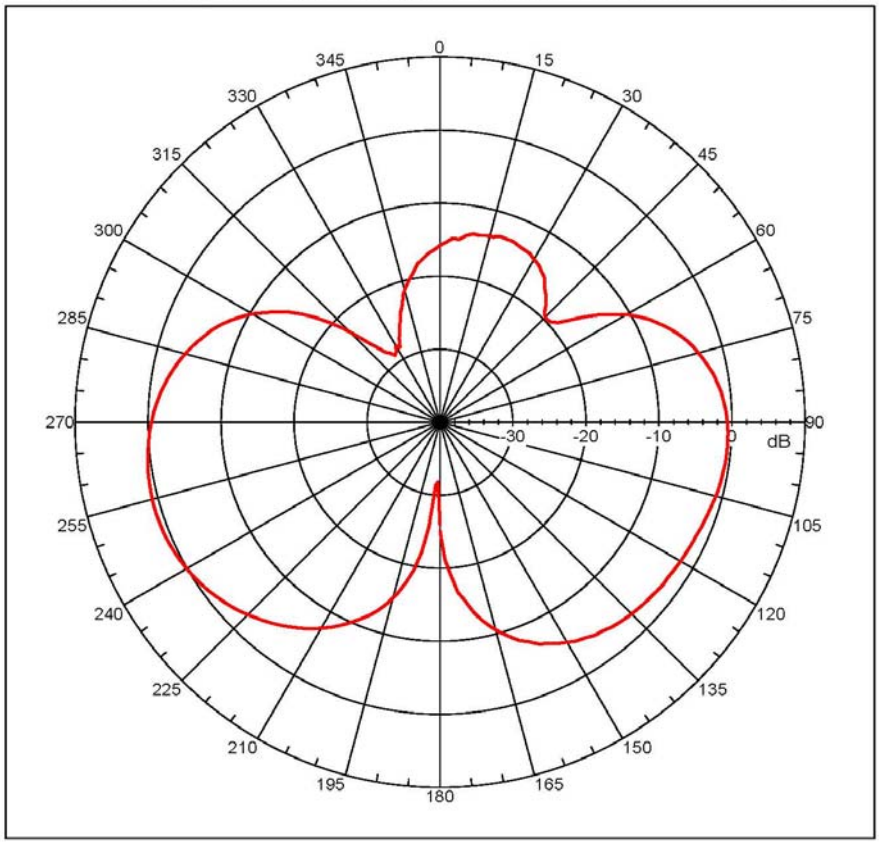
E Plane 824MHz: 1.81917dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.81917  dBi
Max far-field (global) = -41.18017  dB, Max far-field (plot) =
-41.18021  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -100.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.944 dB
   -3. dB beam width: 52.53 deg
   -6. dB beam width: 76.14 deg
   -10. dB beam width: 100.10 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -15.64 dB at 25.140  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
2       0.824  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

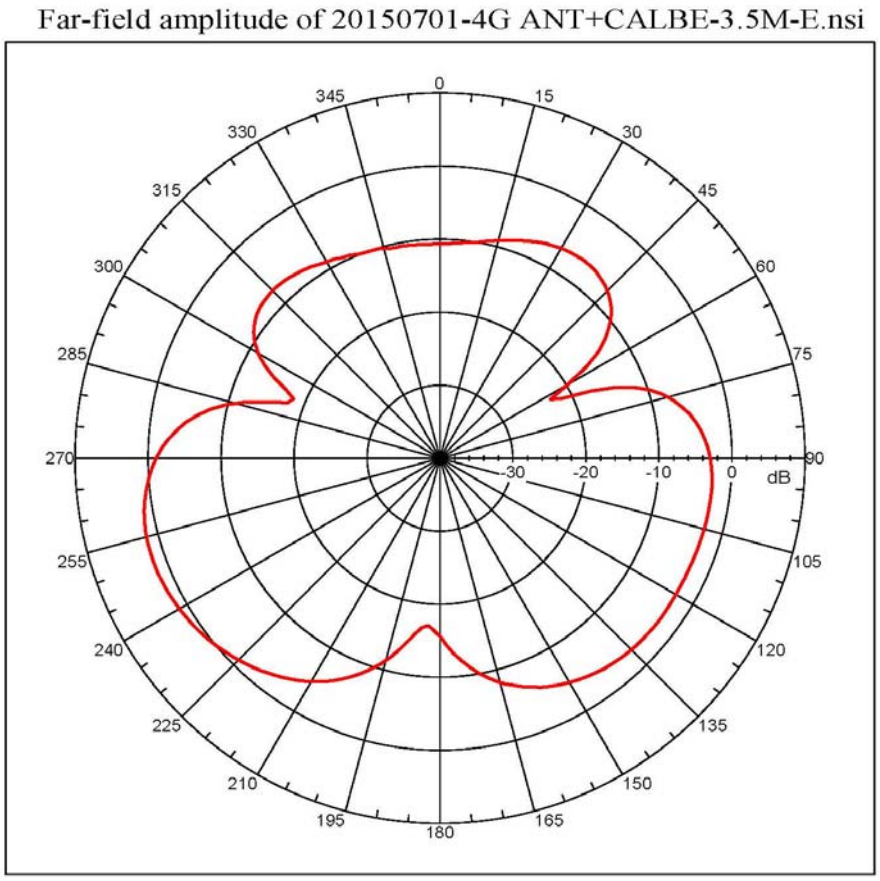
E Plane 850MHz: 0.84165 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 0.84165  dBi
Max far-field (global) = -40.41521  dB, Max far-field (plot) =
-40.41523  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -108.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -6.448 dB
   -3. dB beam width: 51.67 deg
   -6. dB beam width: 72.59 deg
   -10. dB beam width: 92.60 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -28.76 dB at -29.162  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
3       0.850  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

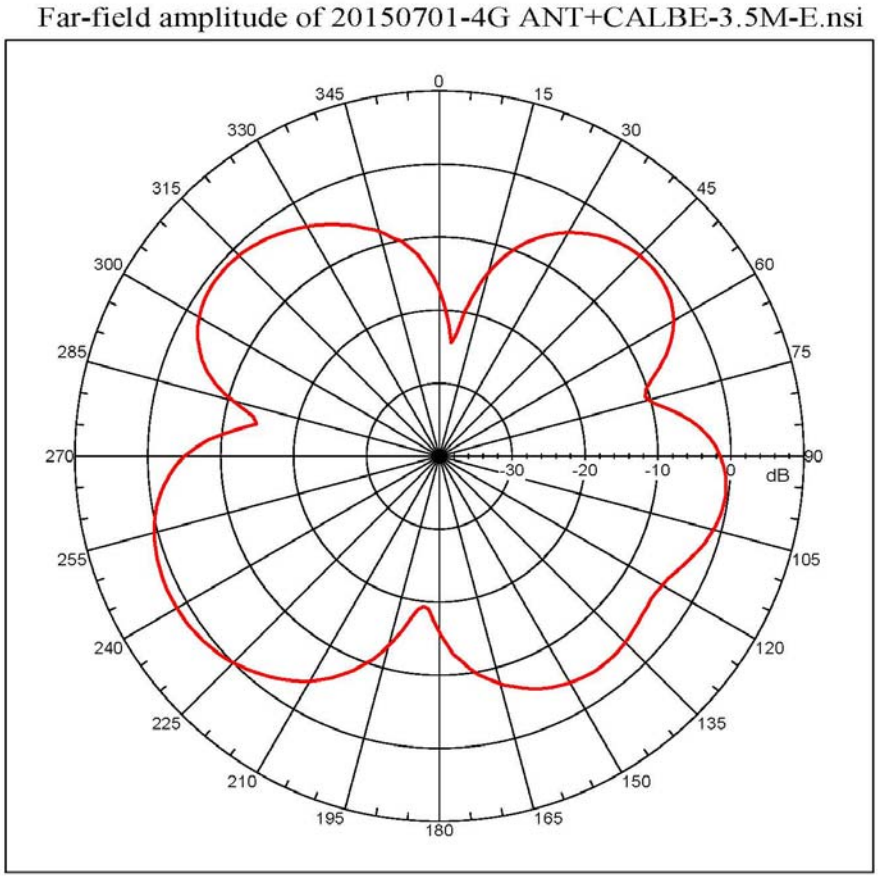
E Plane 900MHz: 1.72636 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.72636  dBi
Max far-field (global) = -39.83332  dB, Max far-field (plot) =
-39.83333  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -110.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -5.536 dB
   -3. dB beam width: 47.34 deg
   -6. dB beam width: 66.05 deg
   -10. dB beam width: 82.01 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -9.33 dB at -45.251  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
4       0.900  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

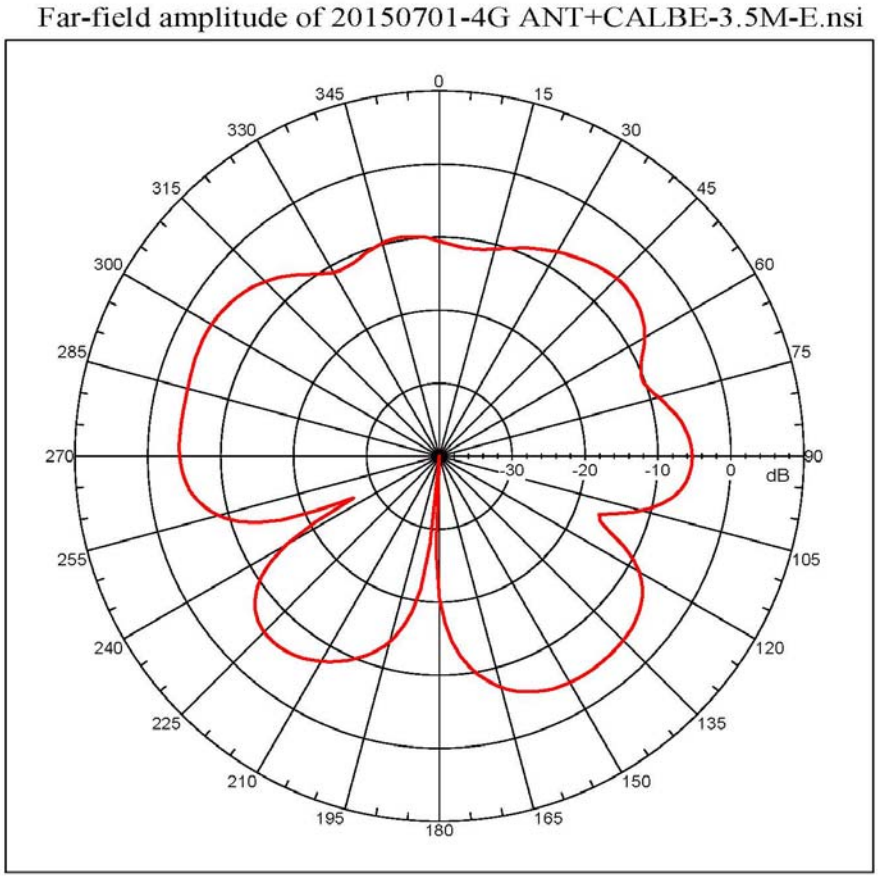
E Plane 960MHz: 1.60164 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.60164  dBi
Max far-field (global) = -41.02803  dB, Max far-field (plot) =
-41.02805  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -118.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.328 dB
   -3. dB beam width: 43.05 deg
   -6. dB beam width: 59.20 deg
   -10. dB beam width: 72.67 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -2.56 dB at -49.274  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
5       0.960  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

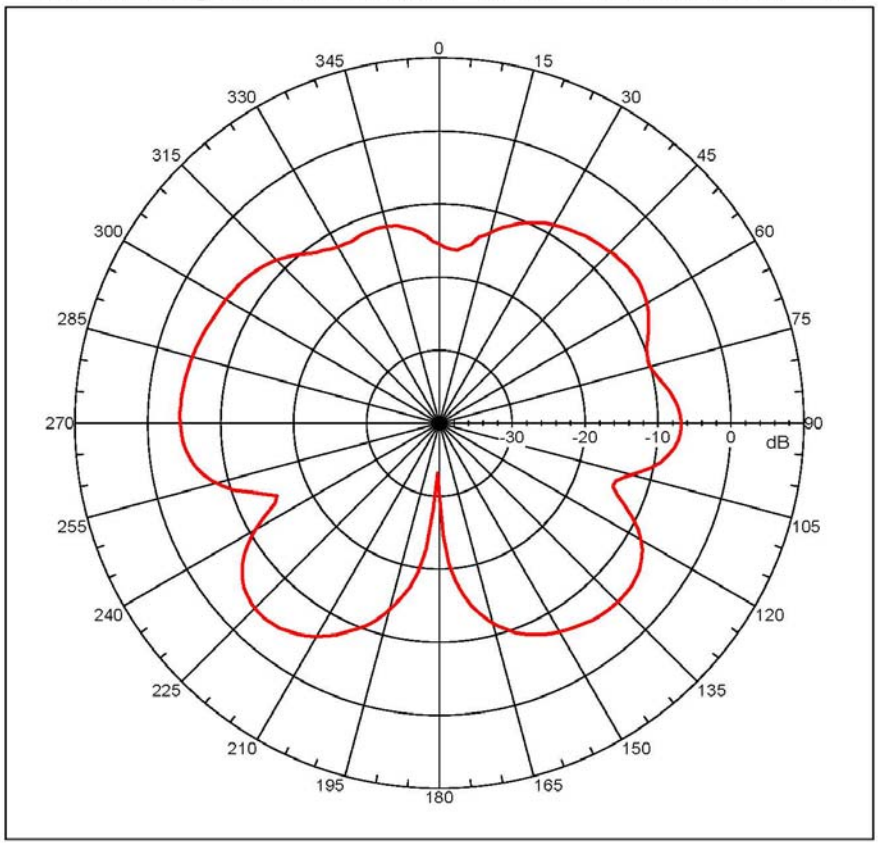
E Plane 1427.9MHz: -3.84666 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -3.84666  dBi
Max far-field (global) = -45.50369  dB, Max far-field (plot) =
-45.50371  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -64.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -7.771 dB
   -3. dB beam width: 59.20 deg
   -6. dB beam width: 72.84 deg
   -10. dB beam width: 218.87 deg
   Left Sidelobe: -1.99 dB at -137.765  deg
   Right Sidelobe: -5.74 dB at -9.050  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 15
Beam    Frequency    Azimuth  Elevation  Pol
----    ---------    -------  ---------  ---
6       1.4279  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

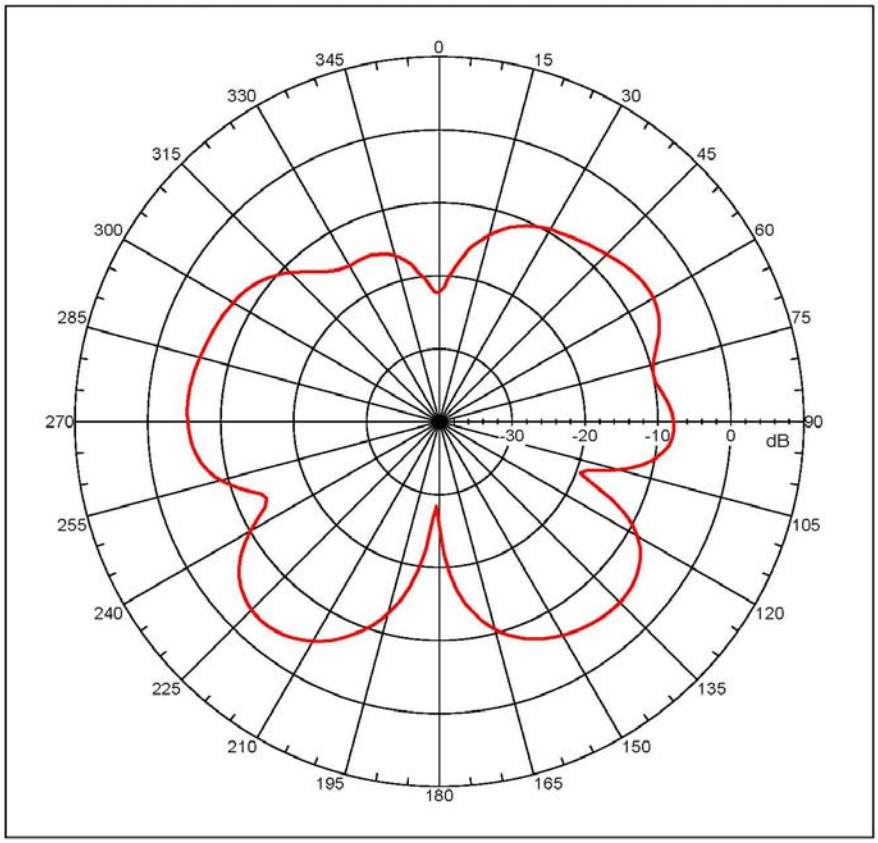
E Plane 1475.9MHz: -4.08363 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -4.08363  dBi
Max far-field (global) = -45.94928  dB, Max far-field (plot) =
-45.94932  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -138.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -8.675 dB
   -3. dB beam width: 27.24 deg
   -6. dB beam width: 38.45 deg
   -10. dB beam width: 49.22 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -0.27 dB at -87.486  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 15
Beam    Frequency    Azimuth  Elevation  Pol
----    ---------    -------  ---------  ---
7       1.4759  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

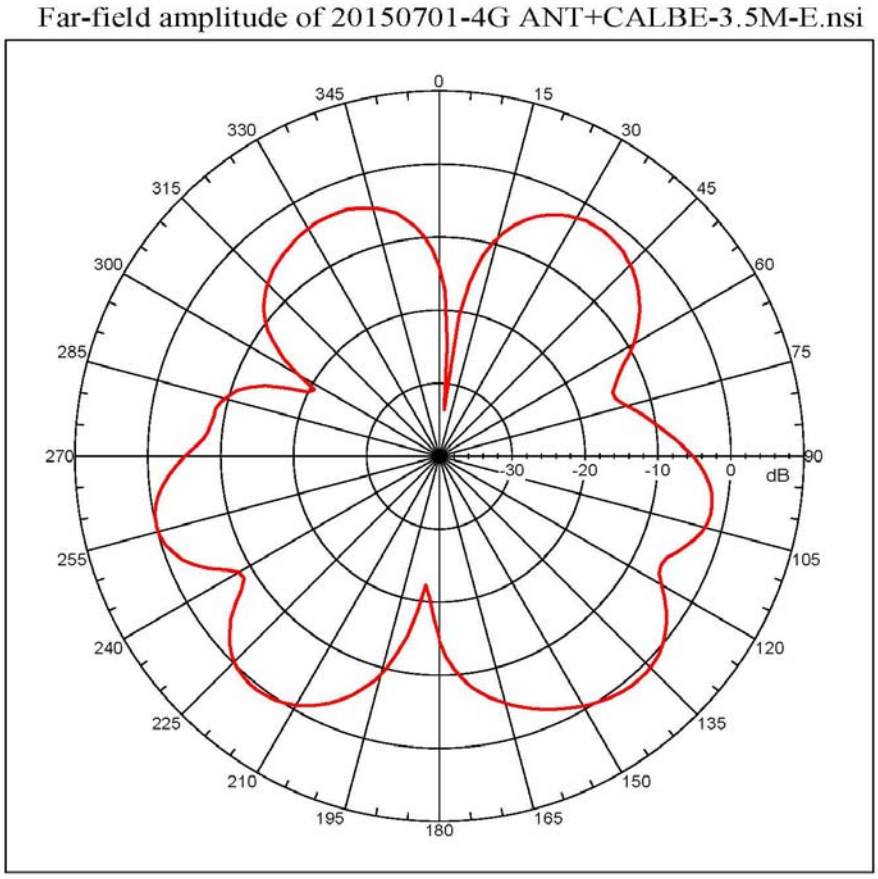
E Plane 1510.9MHz: -3.3757 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -3.3757  dBi
Max far-field (global) = -45.26241  dB, Max far-field (plot) =
-45.26247  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -138.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -9.130 dB
   -3. dB beam width: 27.89 deg
   -6. dB beam width: 38.88 deg
   -10. dB beam width: 49.97 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -2.01 dB at -85.475  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 15
Beam    Frequency    Azimuth  Elevation  Pol
----    ---------    -------  ---------  ---
8       1.5109  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

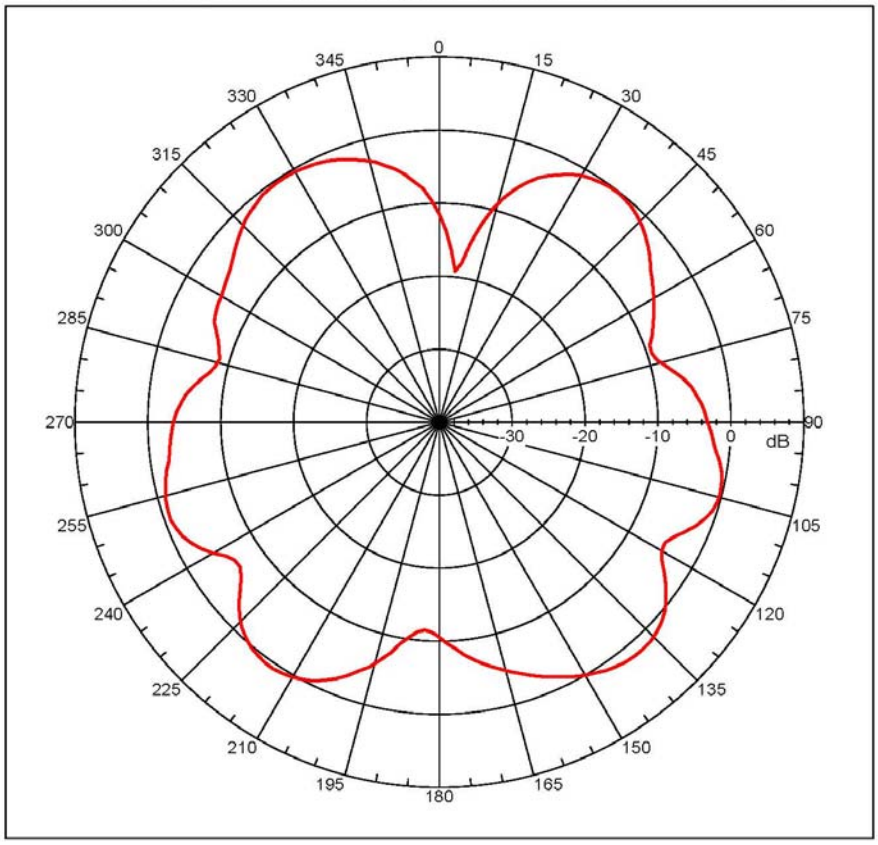
E Plane 1710MHz: 1.06143 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.06143  dBi
Max far-field (global) = -44.13116  dB, Max far-field (plot) =
-44.13121  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 138.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.954 dB
   -3. dB beam width: 30.67 deg
   -6. dB beam width: 45.35 deg
   -10. dB beam width: 90.30 deg
   Left Sidelobe: -2.99 dB at 103.575  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
9       1.710  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

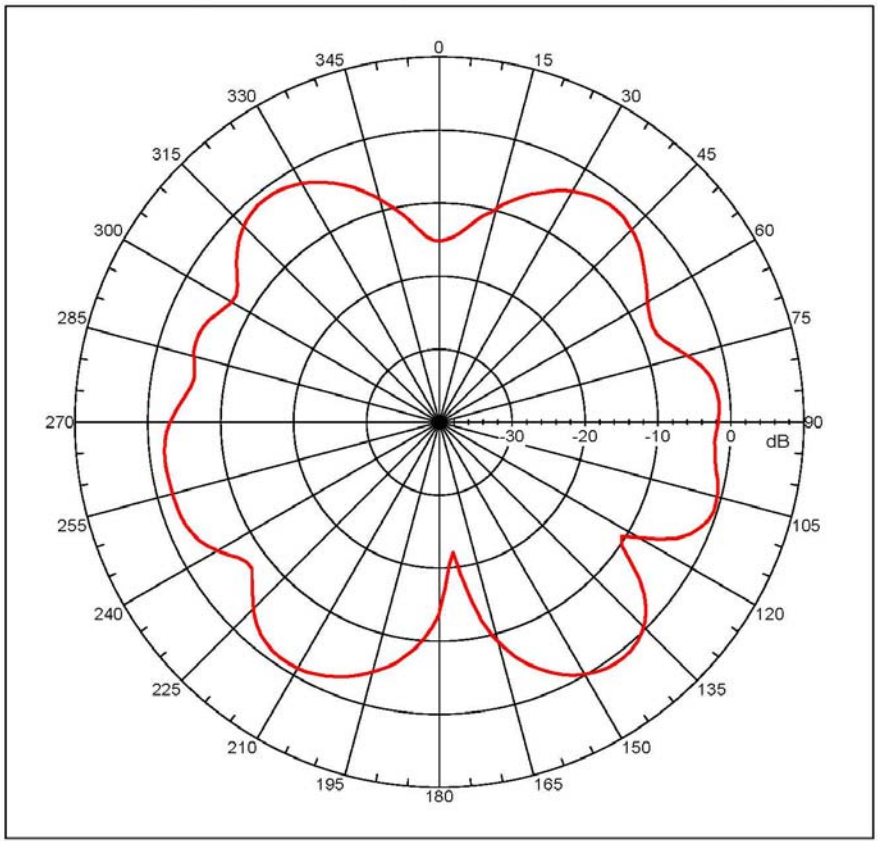
E Plane 1800MHz: 1.76763 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.76763  dBi
Max far-field (global) = -45.05441  dB, Max far-field (plot) =
-45.05445  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 138.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -3.262 dB
   -3. dB beam width: 27.47 deg
   -6. dB beam width: 42.18 deg
   -10. dB beam width: 99.37 deg
   Left Sidelobe: -2.05 dB at 105.587  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
10      1.800  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

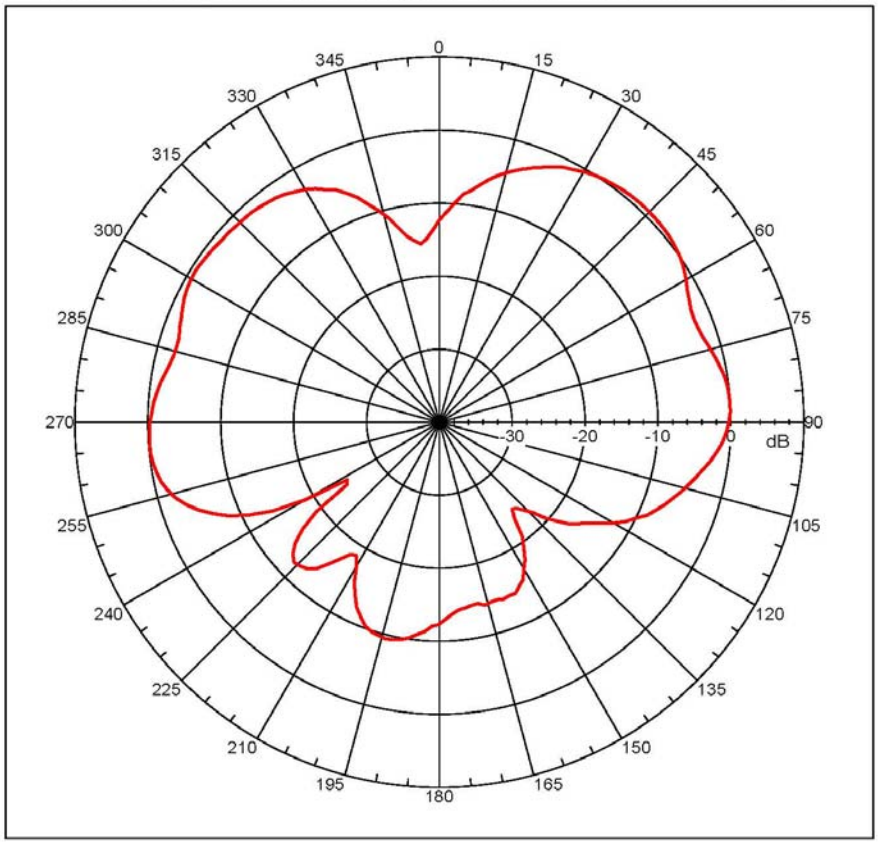
E Plane 1900MHz: 0.96073 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 0.96073  dBi
Max far-field (global) = -46.07623  dB, Max far-field (plot) =
-46.07631  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 141.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.289 dB
   -3. dB beam width: 23.40 deg
   -6. dB beam width: 32.35 deg
   -10. dB beam width: 40.59 deg
   Left Sidelobe: -1.40 dB at 109.609  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
11      1.900  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

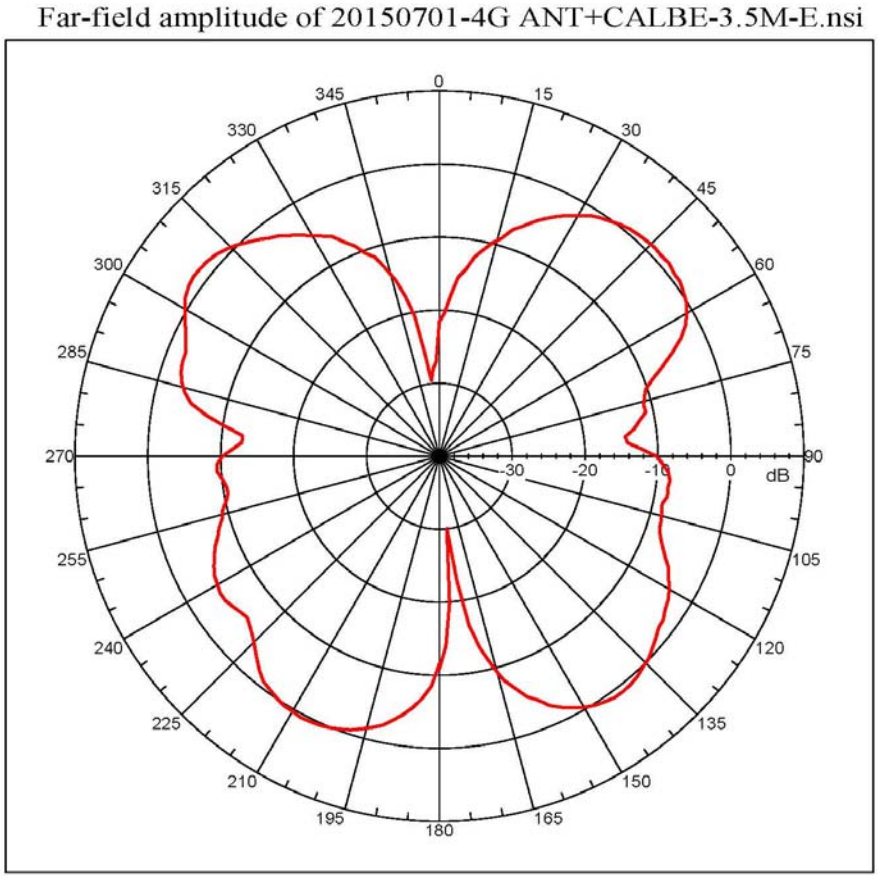
E Plane 2170MHz: 0.72134 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 0.72134  dBi
Max far-field (global) = -46.81077  dB, Max far-field (plot) =
-46.81082  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 43.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -5.247 dB
   -3. dB beam width: 45.11 deg
   -6. dB beam width: 92.49 deg
   -10. dB beam width: 110.41 deg
   Left Sidelobe: -1.37 dB at -57.318  deg
   Right Sidelobe: -0.77 dB at 87.486  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
12      2.170  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

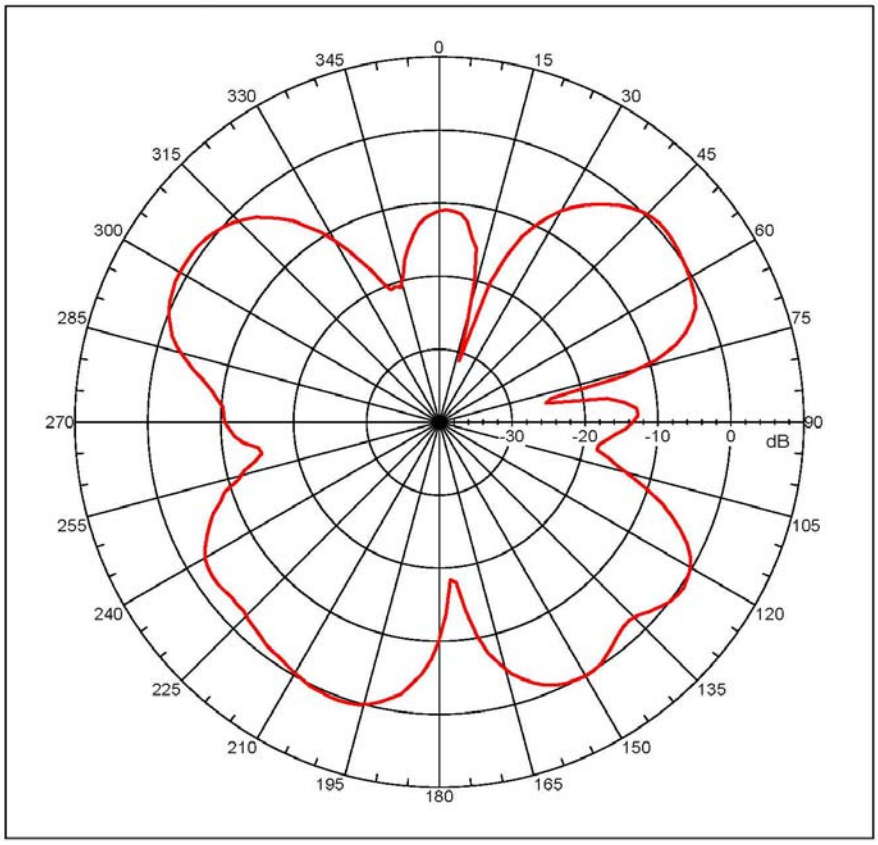
E Plane 2400MHz: 1.73269 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.73269  dBi
Max far-field (global) = -47.27494  dB, Max far-field (plot) =
-47.27498  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -54.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.358 dB
   -3. dB beam width: 23.86 deg
   -6. dB beam width: 44.51 deg
   -10. dB beam width: 57.59 deg
   Left Sidelobe: -11.18 dB at -93.520  deg
   Right Sidelobe: -0.66 dB at 47.263  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
13      2.400  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

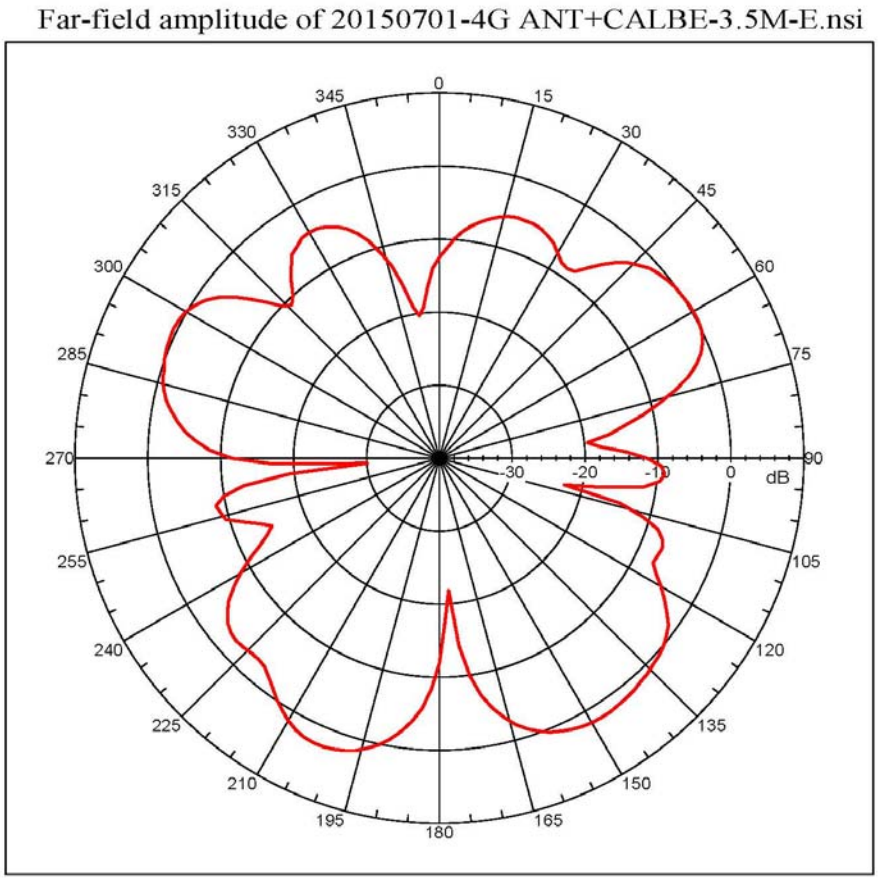
E Plane 2500MHz: 1.04758dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.04758  dBi
Max far-field (global) = -49.08841  dB, Max far-field (plot) =
-49.08846  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -60.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.573 dB
   -3. dB beam width: 30.25 deg
   -6. dB beam width: 39.90 deg
   -10. dB beam width: 50.99 deg
   Left Sidelobe: -3.43 dB at -125.698  deg
   Right Sidelobe: -11.96 dB at 3.017  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
14      2.500  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

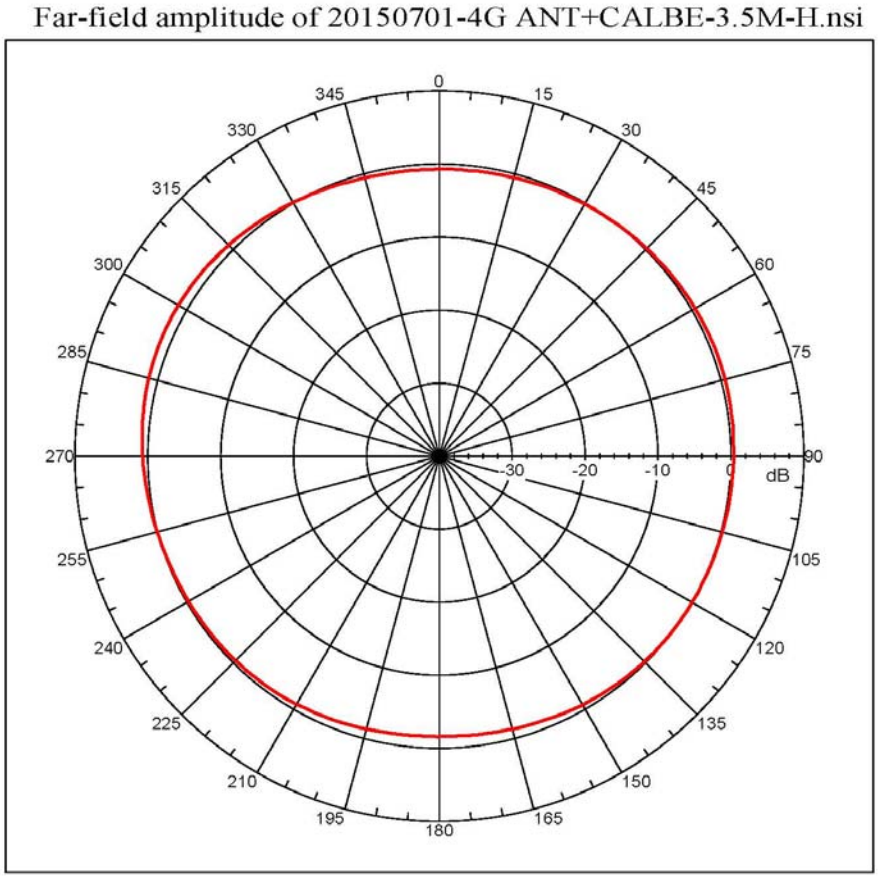
E Plane 2600MHz: 2.59262 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 2.59262  dBi
Max far-field (global) = -47.72417  dB, Max far-field (plot) =
-47.72429  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -156.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-E

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-E.nsi
Measurement date/time: 7/1/2015 3:51:23 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.167 dB
   -3. dB beam width: 23.68 deg
   -6. dB beam width: 46.30 deg
   -10. dB beam width: 56.36 deg
   Left Sidelobe: Not Found
   Right Sidelobe: -11.26 dB at -101.564  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
15      2.600  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

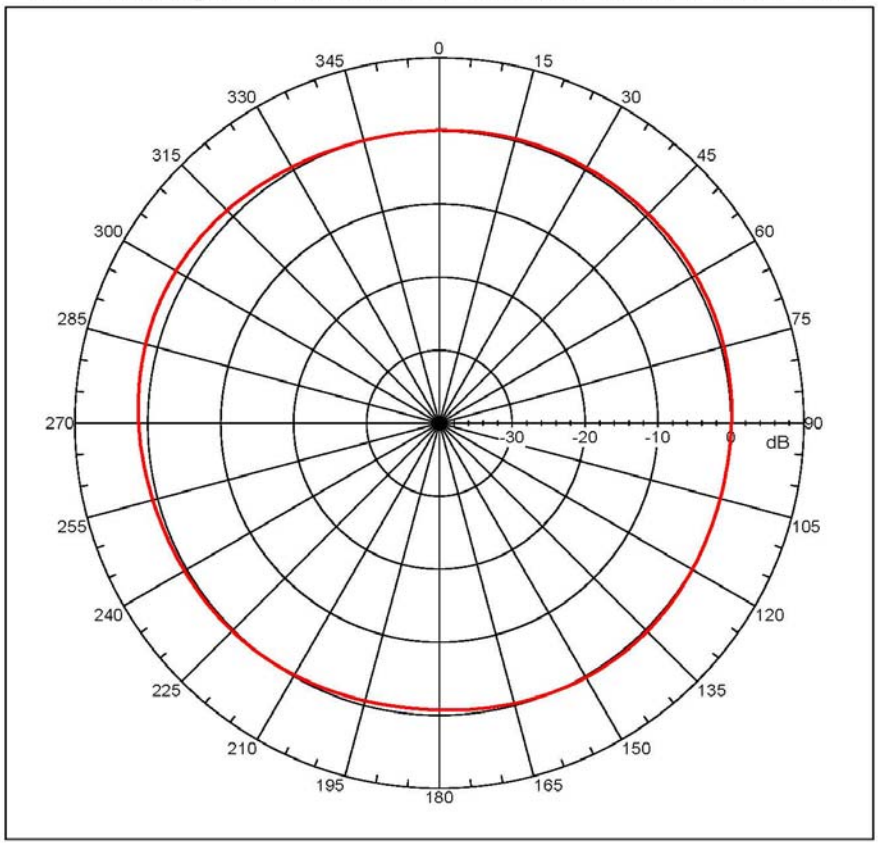
H Plane 806MHz: 1.37841 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.37841  dBi
Max far-field (global) = -41.36986  dB, Max far-field (plot) =
-41.36986  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -64.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -0.077 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: -0.91 dB at 59.330  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
1       0.806  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

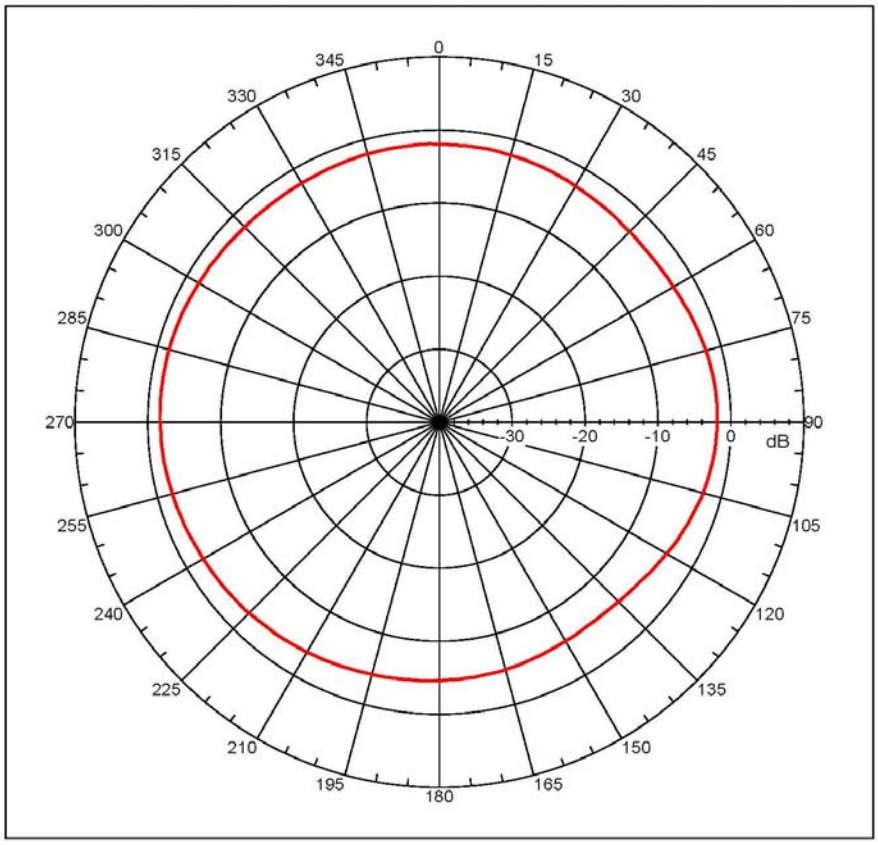
H Plane 824MHz: 1.77902 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 1.77902  dBi
Max far-field (global) = -41.22032  dB, Max far-field (plot) =
-41.22033  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -68.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: 0.371 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 15
Beam    Frequency   Azimuth  Elevation  Pol
-----   ---------   -------  ---------  ---
2       0.824  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

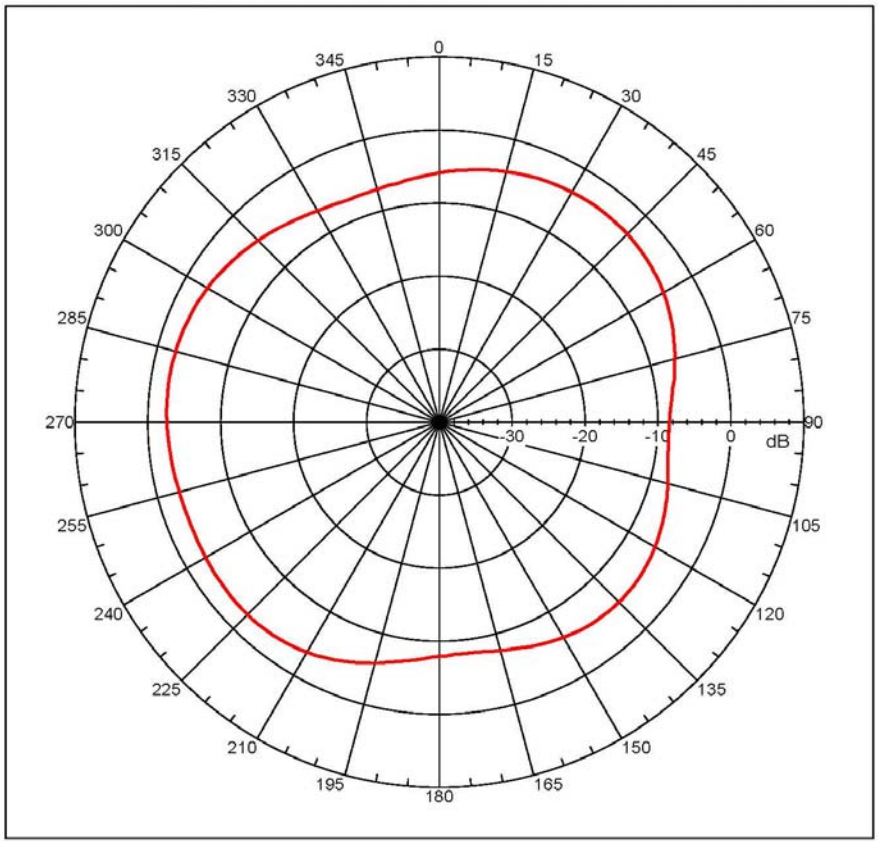
H Plane 850MHz: -1.60185 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -1.60185  dBi
Max far-field (global) = -42.85871  dB, Max far-field (plot) =
-42.85872  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -76.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -2.887 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: -0.24 dB at 87.486  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
3       0.850  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

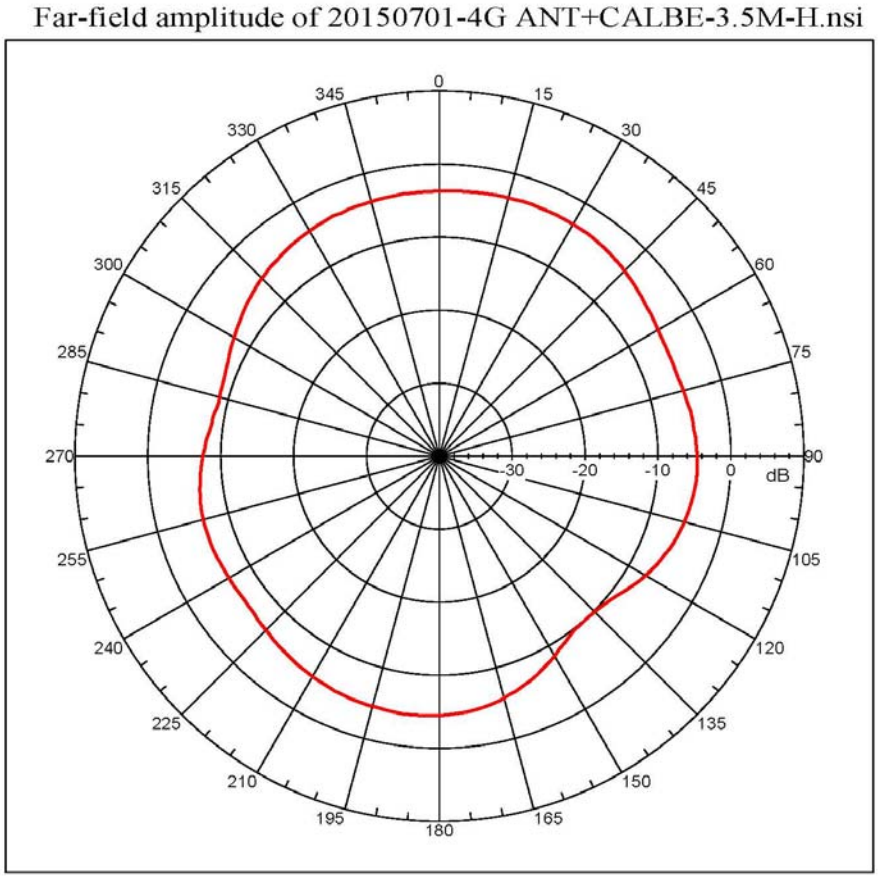
H Plane 900MHz: -2.47165 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -2.47165  dBi
Max far-field (global) = -44.03133  dB, Max far-field (plot) =
-44.03134  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -82.00001  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -4.919 dB
   -3. dB beam width: 123.69 deg
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: Not Found
   Right Sidelobe: -0.99 dB at 37.207  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
4       0.900  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

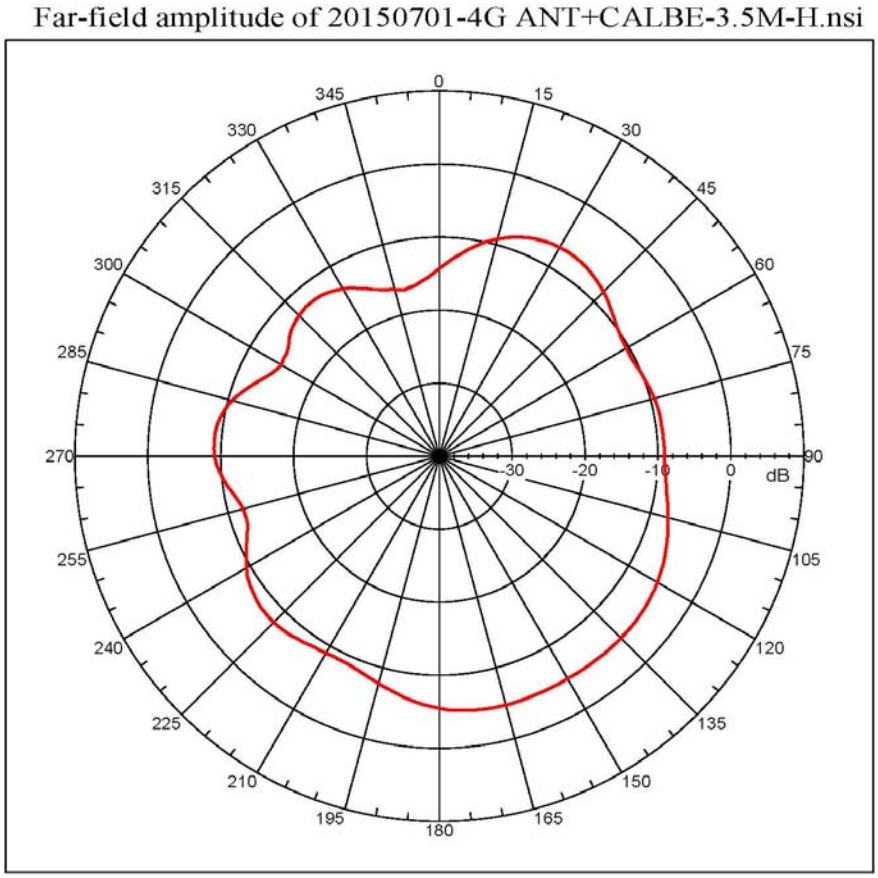
H Plane 960MHz: -3.26146 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -3.26146  dBi
Max far-field (global) = -45.89113  dB, Max far-field (plot) =
-45.89114  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 19.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -5.582 dB
   -3. dB beam width: 165.18 deg
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: -3.19 dB at -105.587  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 15
Beam    Frequency   Azimuth  Elevation  Pol
-----   ---------   -------  ---------  ---
5       0.960  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

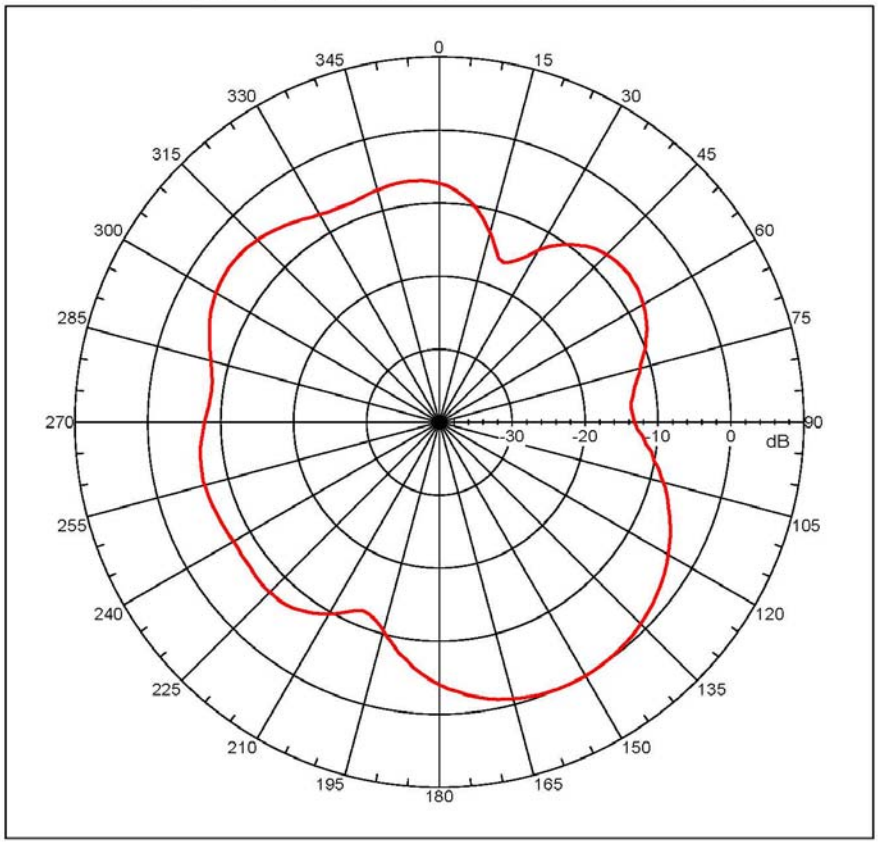
H Plane 1427.9MHz: -4.70232 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -4.70232  dBi
Max far-field (global) = -46.35935  dB, Max far-field (plot) =
-46.35938  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 163.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -8.772 dB
   -3. dB beam width: Not Found
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: -2.25 dB at 33.184  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 15
Beam    Frequency    Azimuth  Elevation  Pol
-----   ---------    -------  ---------  ---
6       1.4279  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

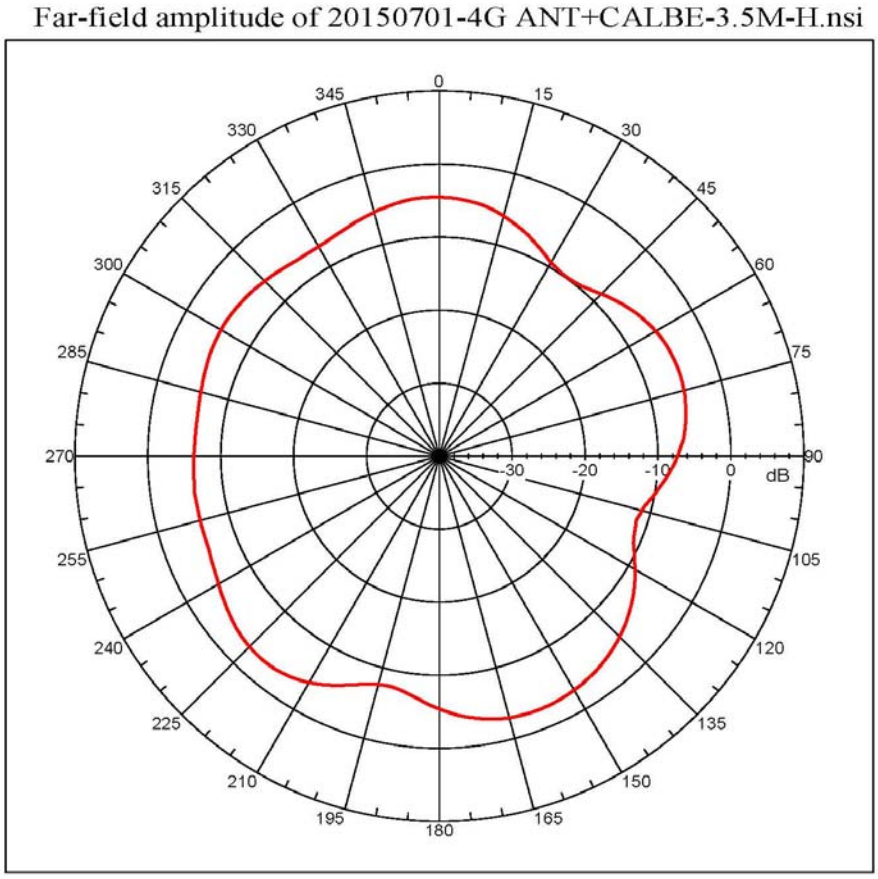
H Plane 1475.9MHz: 0.11461 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 0.11641  dBi
Max far-field (global) = -41.74924  dB, Max far-field (plot) =
-41.74929  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 150.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -6.385 dB
   -3. dB beam width: 52.20 deg
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: -7.31 dB at 57.318  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 15
Beam    Frequency    Azimuth  Elevation  Pol
----    ---------    -------  ---------  ---
7       1.4759  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

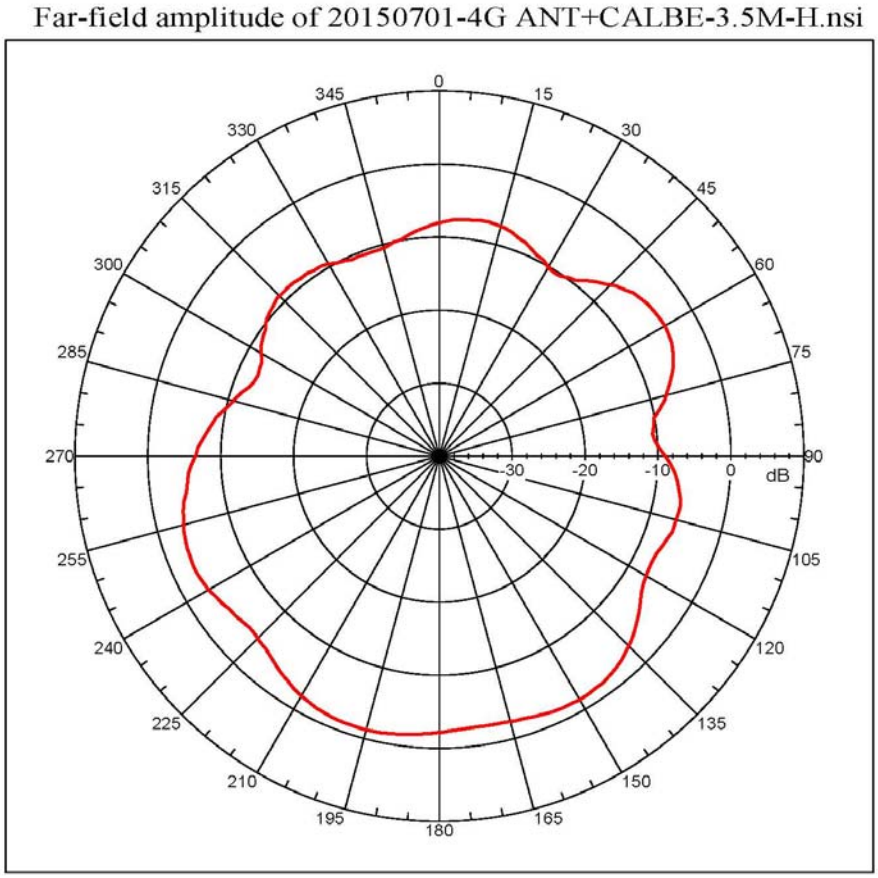
H Plane 1510.9MHz: -2.69793 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -2.69793  dBi
Max far-field (global) = -44.58464  dB, Max far-field (plot) =
-44.58466  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 157.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -5.858 dB
   -3. dB beam width: Not Found
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: -2.45 dB at 71.397  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 15
Beam    Frequency    Azimuth  Elevation  Pol
----    ---------    -------  ---------  ---
8       1.5109  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

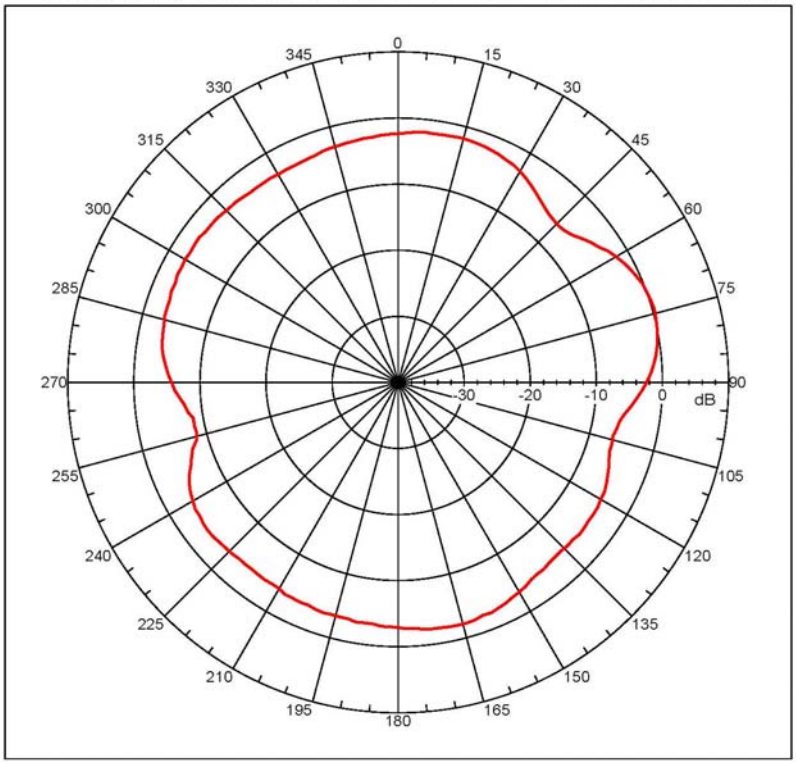
H Plane 1710MHz: -1.21375 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -1.21375  dBi
Max far-field (global) = -46.40634  dB, Max far-field (plot) =
-46.40638  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: -164.000  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -5.684 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: -1.87 dB at -113.631  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 15
Beam    Frequency   Azimuth  Elevation  Pol
-----   ---------   -------  ---------  ---
9       1.710  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

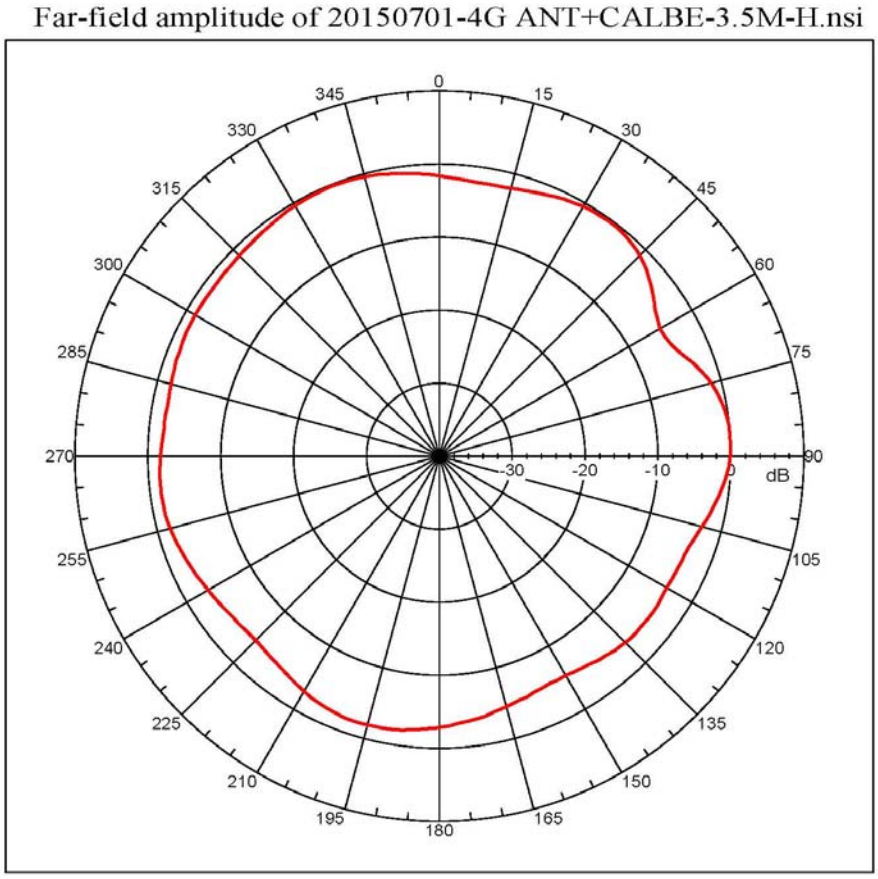
H Plane 1800MHz: 0.29161 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 0.29161  dBi
Max far-field (global) = -46.53043  dB, Max far-field (plot) =
-46.53048  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 73.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -3.467 dB
   -3. dB beam width: 33.46 deg
   -6. dB beam width: 50.52 deg
   -10. dB beam width: Not Found
   Left Sidelobe: -2.12 dB at 15.084  deg
   Right Sidelobe: -4.63 dB at 125.698  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
10      1.800  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

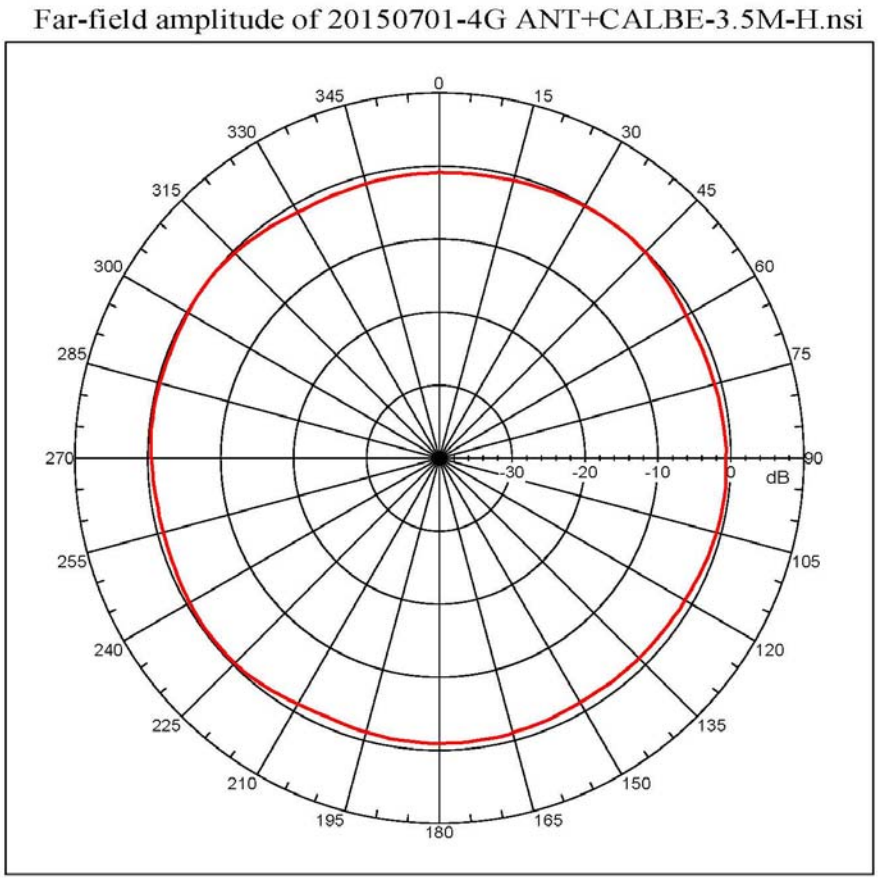
H Plane 1900MHz: -0.03944 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -0.03944  dBi
Max far-field (global) = -47.0764  dB, Max far-field (plot) =
-47.07641  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 85.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -2.231 dB
   -3. dB beam width: 37.22 deg
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: -0.27 dB at 37.207  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
11      1.900  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

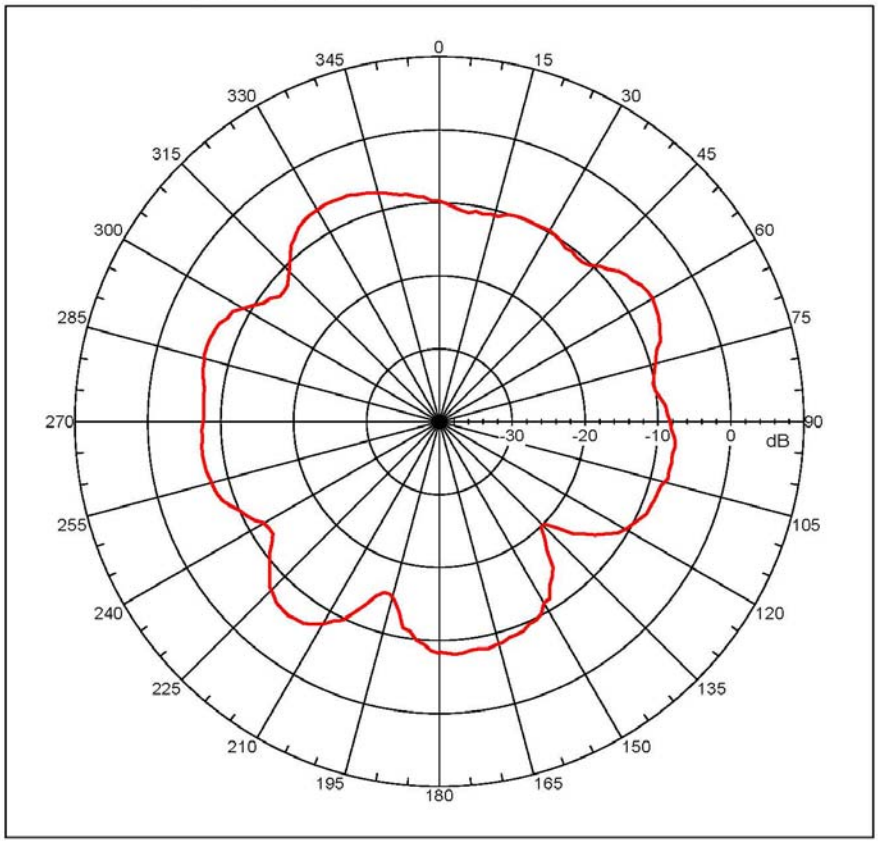
H Plane 2170MHz: 0.020 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = 0.020  dBi
Max far-field (global) = -47.51211  dB, Max far-field (plot) =
-47.51212  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 39.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -0.750 dB
   -3. dB beam width: Not Found
   -6. dB beam width: Not Found
   -10. dB beam width: Not Found
   Left Sidelobe: -0.09 dB at -51.285  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
12      2.170  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

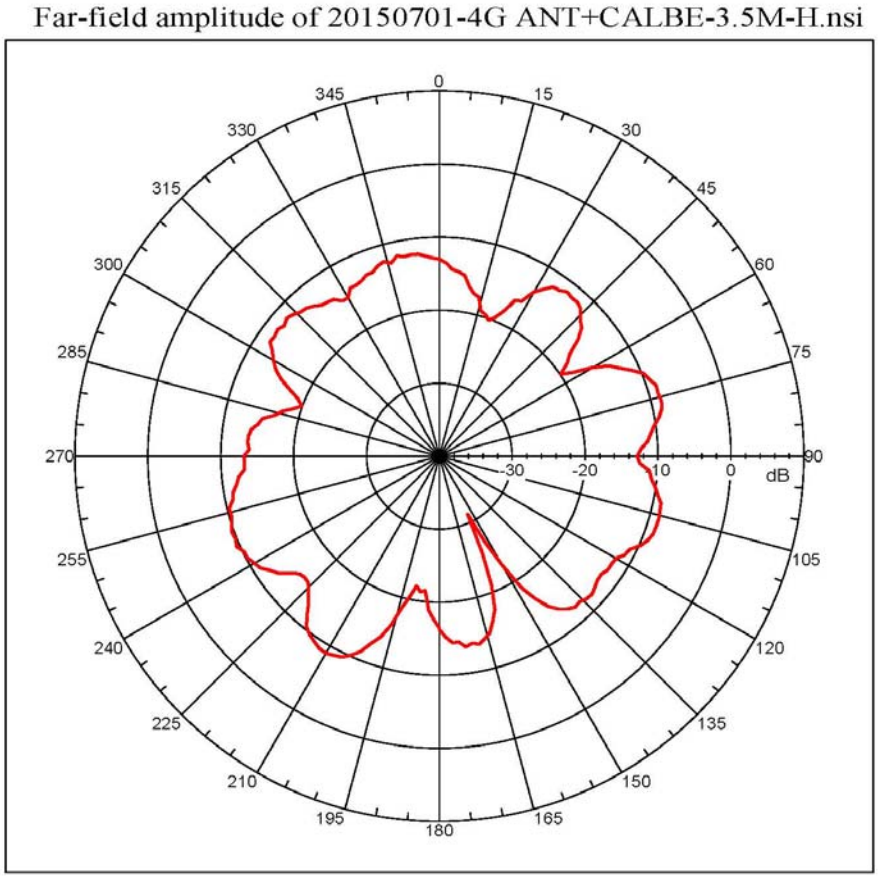
H Plane 2400MHz: -6.23579 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -6.23579  dBi
Max far-field (global) = -55.24342  dB, Max far-field (plot) =
-55.24346  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 59.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -9.108 dB
   -3. dB beam width: 28.34 deg
   -6. dB beam width: 245.17 deg
   -10. dB beam width: Not Found
   Left Sidelobe: -0.32 dB at -21.117  deg
   Right Sidelobe: -1.24 dB at 97.542  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
13      2.400  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

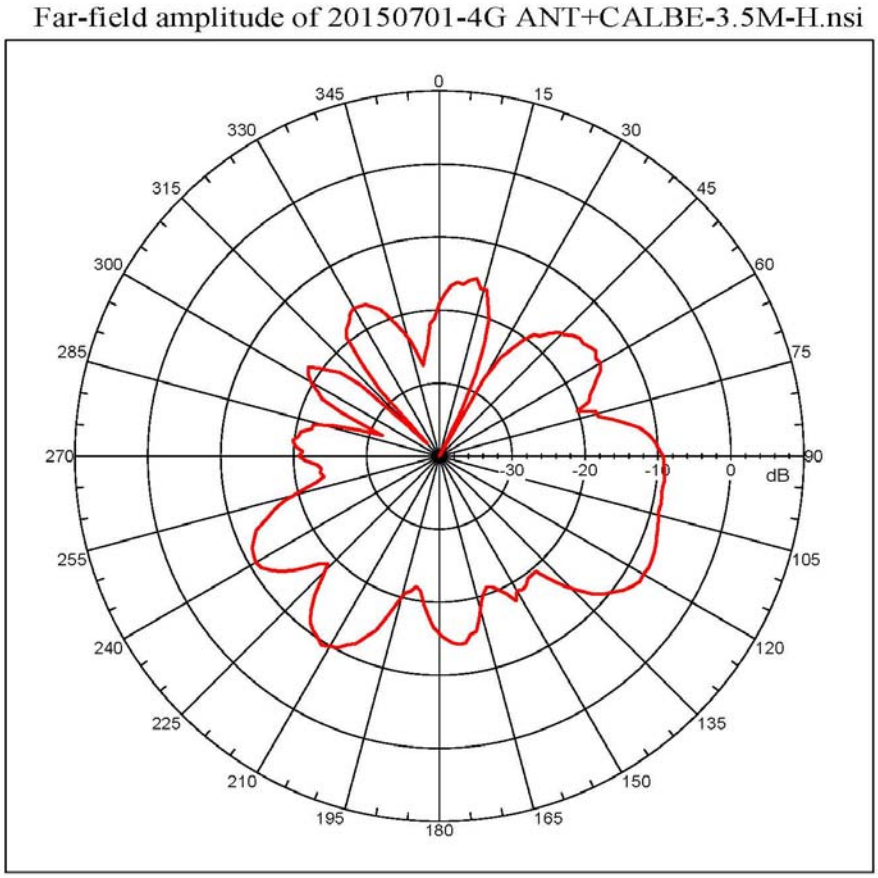
H Plane 2500MHz: -8.61832 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -8.61832  dBi
Max far-field (global) = -58.75431  dB, Max far-field (plot) =
-58.7544  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 75.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -13.050 dB
   -3. dB beam width: 21.38 deg
   -6. dB beam width: 83.42 deg
   -10. dB beam width: 98.70 deg
   Left Sidelobe: -3.08 dB at 43.240  deg
   Right Sidelobe: -0.07 dB at 107.598  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
14      2.500  GHz  Azimuth  Elevation  Single-pol
```

ANTENNA SPECIFICATIONS FOR APPROVAL

H Plane 2600MHz: -7.49977 dBi




```
Far-field amplitude, Eprincipal: Linear, Tau = 0.000  deg
Gain = -7.49977  dBi
Max far-field (global) = -57.81656  dB, Max far-field (plot) =
-57.81663  dB
Normalization: Reference, Network offset = 0.000  dB
Hpeak at: 117.99999  deg, Vpeak at: 0.000  deg
Plot centering: On

20150701-4G ANT+CALBE-3.5M-H

NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20
150701-4G ANT+CALBE-3.5M\20150701-4G ANT+CALBE-3.5M-H.nsi
Measurement date/time: 7/1/2015 3:36:28 PM, Filetype: NSI-97
Far-field Cut Analysis:
   Avg value: -15.671 dB
   -3. dB beam width: 44.15 deg
   -6. dB beam width: 53.56 deg
   -10. dB beam width: 62.50 deg
   Left Sidelobe: -7.01 dB at 61.341  deg
   Right Sidelobe: -10.04 dB at 153.855  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 15
Beam    Frequency   Azimuth  Elevation  Pol
----    ---------   -------  ---------  ---
15      2.600  GHz  Azimuth  Elevation  Single-pol
```