納 入 仕 様 書

SW-42F-LTE-B5-I

SW-42F-LTE-B5-I-8.5ME

SW-42F-LTE-B5-I-17ME

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改版履歴

版数	日付	承認者	改版者	改版内容
3.2	2021 年 11 月 10 日	中嶋	正木	型番変更 SW-42F-LTE-B5-I-17M => SW-42F-LTE-B5-I-17ME （延長ケーブル付きアンテナは型番末尾に E を付加） 「外観写真」、「ブラケット部詳細」 追加 「外観図」 差替 「7. 梱包仕様」 追加 「■ 12m 延長ケーブル（iEC12M）仕様」 差替
3.3	2023 年 2 月 15 日	中嶋	正木	Band B40 データ（2302.5MHz/2350MHz/2397.5MHz）追加 3.電気特性 利得 1dBi(Max.) -> 1～3dBi 変更
3.4	2024 年 2 月 8 日	中嶋	正木	IDY 住所変更
3.5	2026 年 2 月 2 日	大野	正木	① 延長ケーブル3.5m(iEC3.5M)付きモデル SW-42F-LTE-B5-I-8.5ME 追加 ② 末尾 IDY 住所から FAX 番号削除

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■ 適用

本仕様書は、株式会社IDY（以下、「IDY」という）が供給する 3G/LTE/WiMAX および WiMAX2+向けアンテナ SW-42F-LTE-B5-I シリーズの納入仕様書である。

■ 仕様

1. 型名　SW-42F-LTE-B5-I　：アンテナ本体（ケーブル長 5m）のみ
   SW-42F-LTE-B5-I-8.5ME　：アンテナ本体（ケーブル長 5m）+3.5m 延長ケーブル（iEC3.5M）
   SW-42F-LTE-B5-I-17ME　：アンテナ本体（ケーブル長 5m）+12m 延長ケーブル（iEC12M）
2. 用途　3G/LTE/WiMAX および WiMAX2+通信モジュールに接続し使用される。
3. 電気特性

周波数範囲	：	690~960/1427. 9~1510. 9/1710~2170/2300~2400/2400~2700MHzMHz
V.S.W.R	：	≦3. 0
インピーダンス	：	50 Ω
水平面内指向性	：	無指向性
偏波面	：	垂直偏波
利得	：	1～3dBi

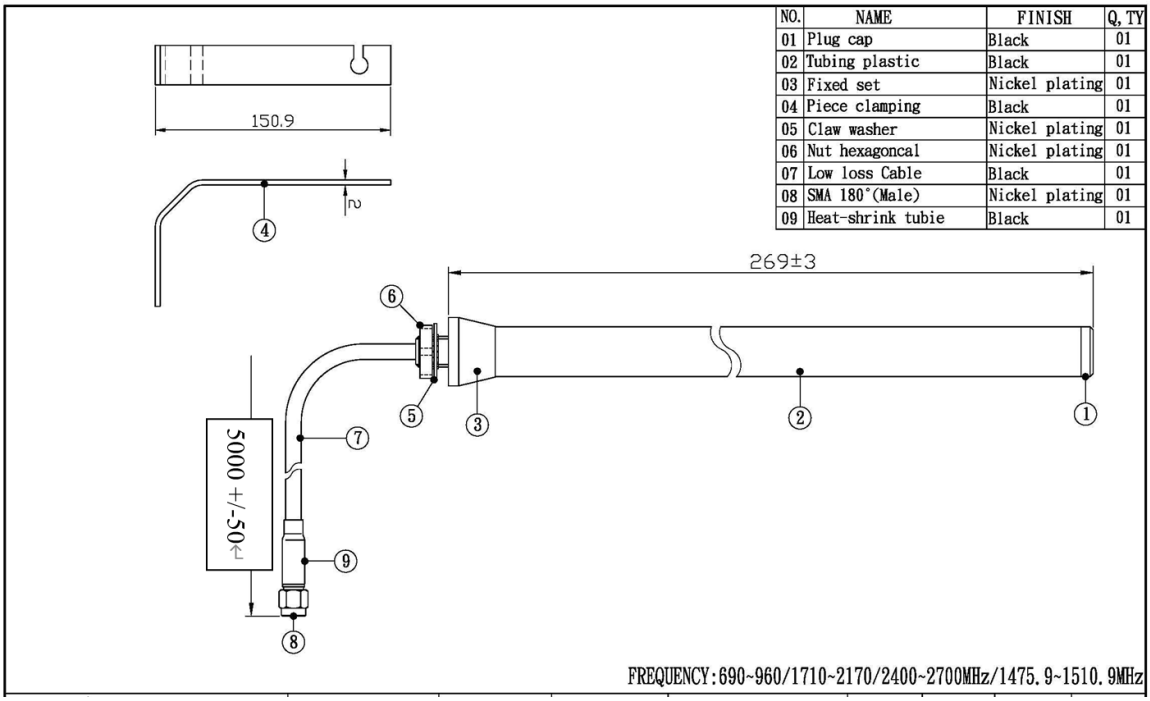
4. 外観仕様

コネクタ	：	SMA-P（オス）
アンテナ寸法	：	269mm ± 3
色	：	黒
同軸ケーブル	：	CFD195 x 5m
外観写真	：	



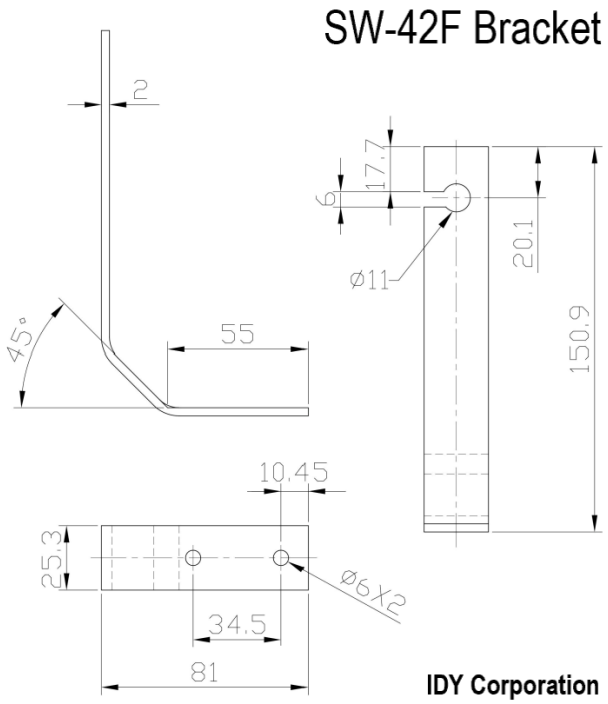
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外観図　　：



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

ブラケット部詳細



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5. アンテナ環境性能

動作保証温度	：	−30℃ ～ + 70℃
保存温度	：	−40℃ ～ + 80℃
防水規格	：	IPX5

6. シール仕様

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。

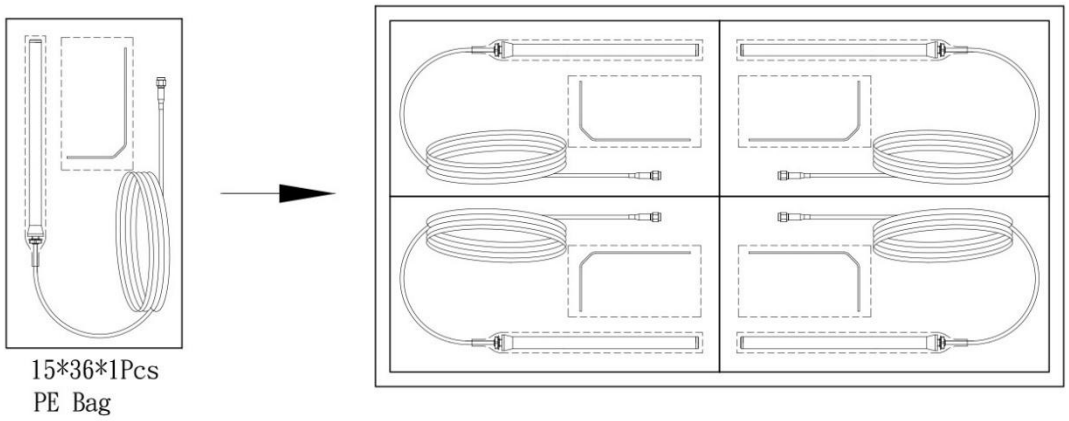
LTE 用

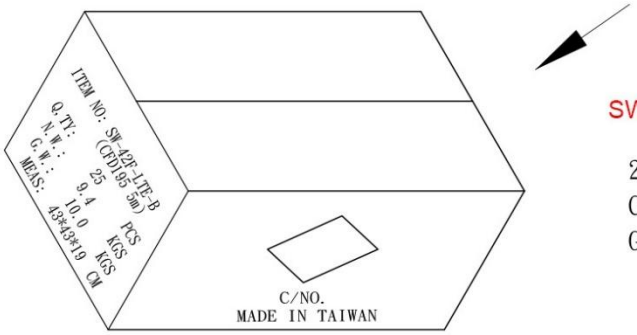


WiMAX/WiMAX2+用



7. 梱包仕様





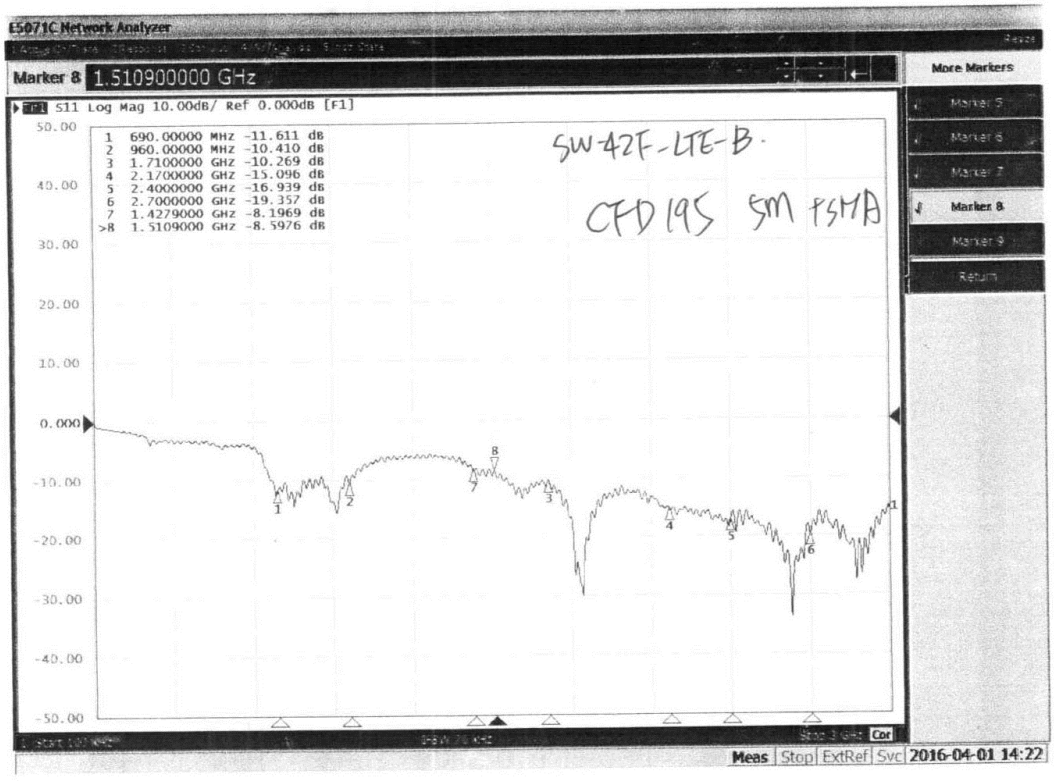
SW-42F-LTE-B5-I （L=5m）

25PCS/CARTON
CARTON SIZE:43*43*19CM
GROSS WEIGHT:10.0KG

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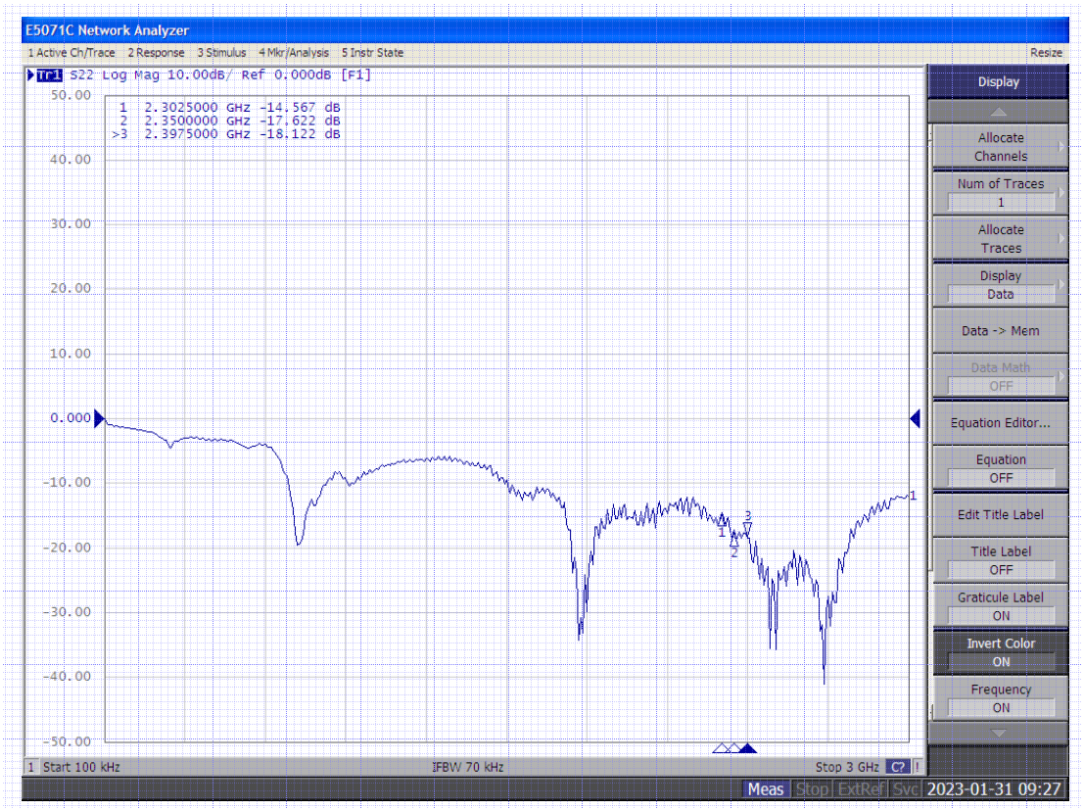
8. アンテナ部 V.S.W.R





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（追加試験：2023 年 2 月）



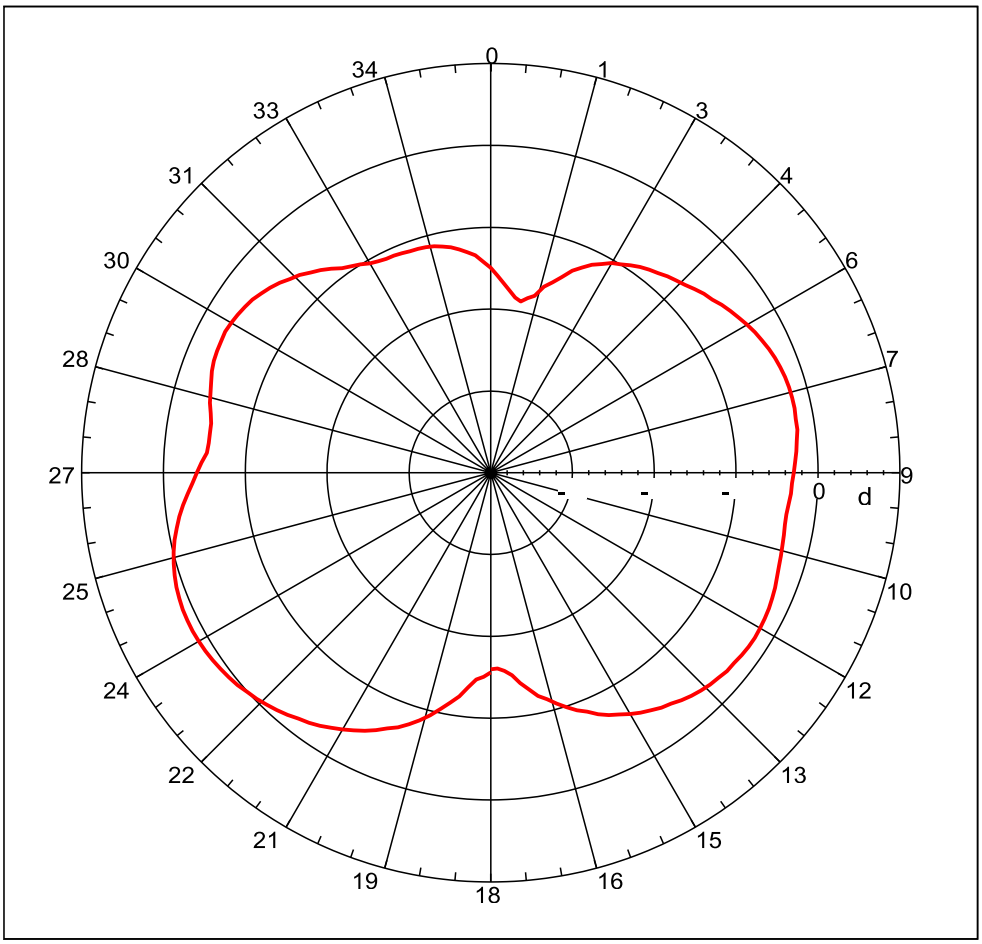


9. 最大利得 及び 放射パターン

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E Plane 806MHz: 1.22249dBi

Far-field amplitude of M80I-B-1-E.nsi

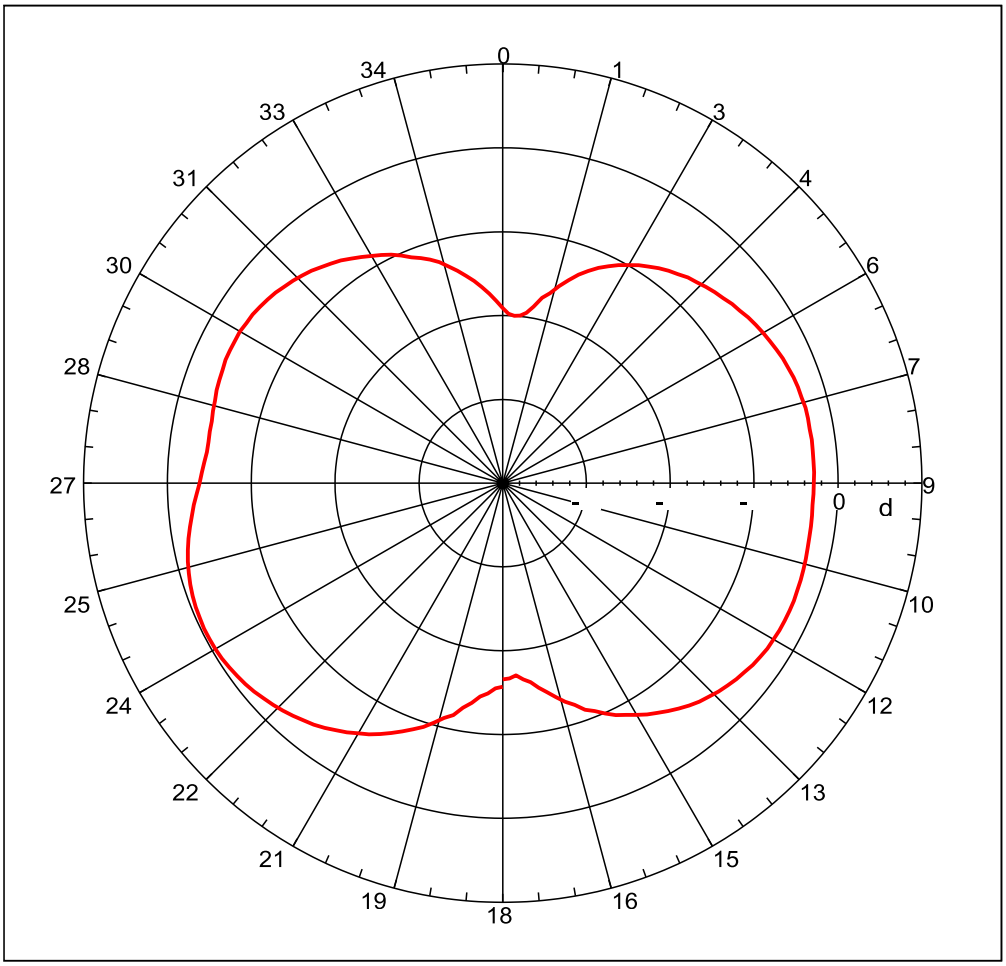


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 1.22249 dBi
Max far-field (global) = -41.52578 dB, Max far-field (plot) = -41.52578 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -118.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M80I-B-1\M80I-B-1-E.nsi Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.056 dB -3. dB beam width: 44.47 deg -6. dB beam width: 66.21 deg -10. dB beam width: 128.36 deg Left Sidelobe: Not Found
Right Sidelobe: -4.49 dB at -61.341 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 = 2.000deg Elevation (deg)Center = 0.000 deg, #pts = 1 Selected beam(s) 1 of 15
Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.806 GHz Azimuth Elevation Single-pol

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E Plane 824MHz: -0.39665dBi

Far-field amplitude of M80I-B-1-E.nsi

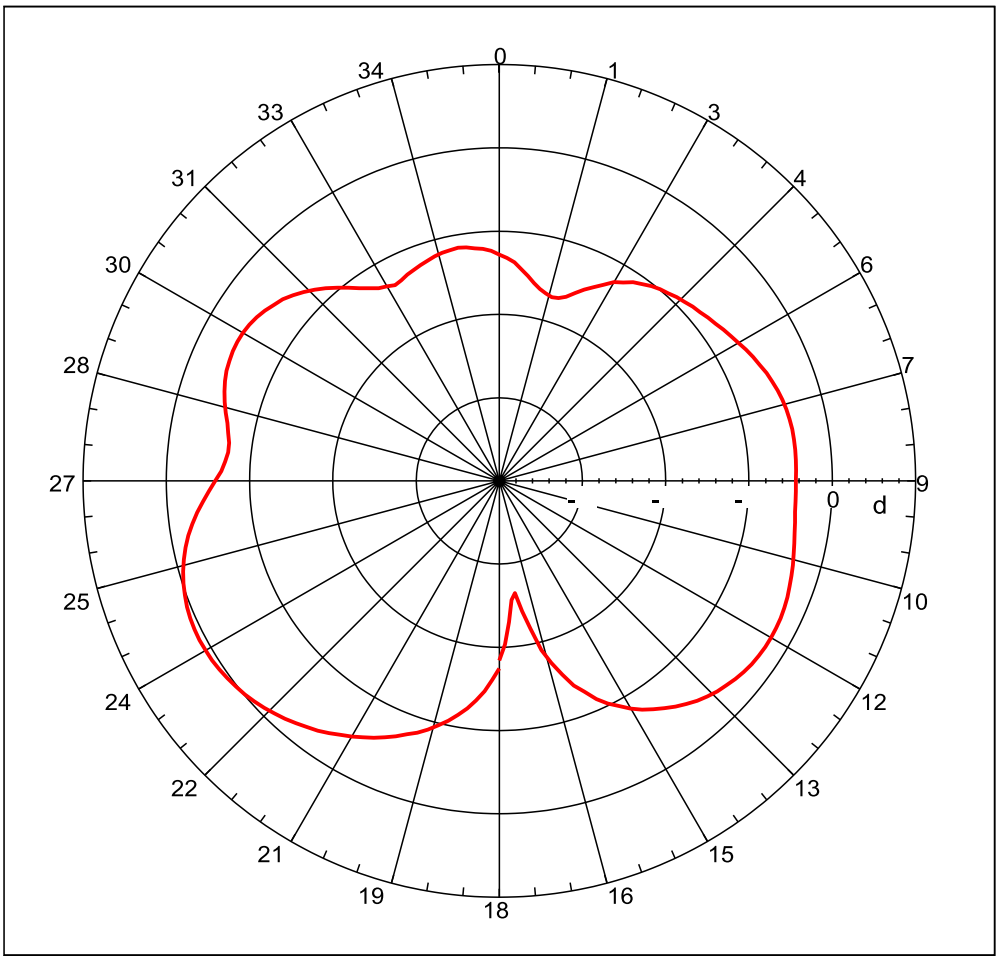


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.39665 dBi
Max far-field (global) = -42.54372 dB, Max far-field (plot) = -42.54377 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -116.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M80I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.735 dB -3. dB beam width: 49.54 deg -6. dB beam width: 113.92 deg
-10. dB beam width: 141.48 deg
Left Sidelobe: Not Found Right Sidelobe: -2.38 dB at 79.441 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 = 2.000deg
Elevation (deg) Center = 0.000 deg, #pts = 1 Selected beam(s) 1 of 15
Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.824 GHz Azimuth Elevation Single-pol

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E Plane 850MHz: 0.75219dBi

Far-field amplitude of M80I-B-1-E.nsi

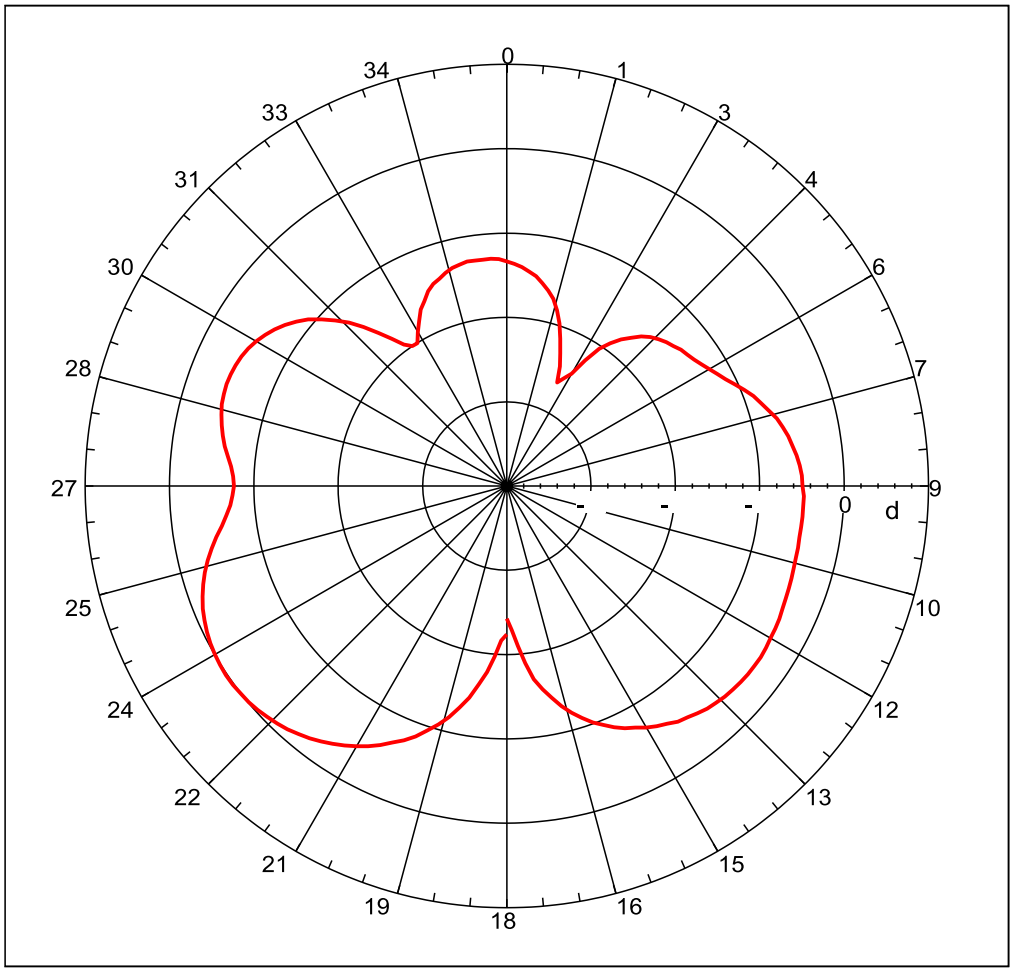


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.75219 dBi
Max far-field (global) = -40.78088 dB, Max far-field (plot) = -40.78091 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -118.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M80I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.283 dB -3. dB beam width: 41.64 deg -6. dB beam width: 61.14 deg
-10. dB beam width: 124.39 deg
Left Sidelobe: Not Found Right Sidelobe: -5.16 dB at -61.341 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 = 2.000deg
Elevation (deg) Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.850 GHz Azimuth Elevation Single-pol

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E Plane 900MHz: 0.14342dBi

Far-field amplitude of M80I-B-1-E.nsi

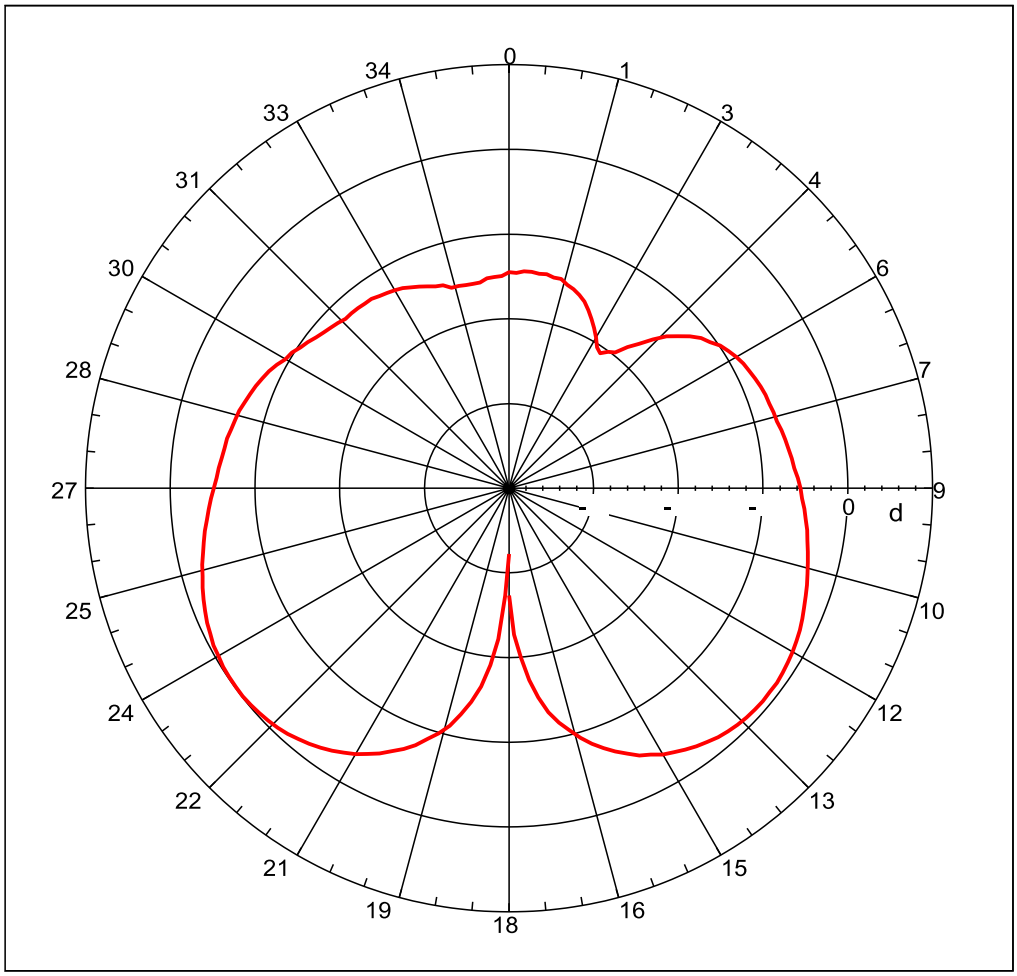


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.14342 dBi
Max far-field (global) = -41.41626 dB, Max far-field (plot) = -41.41631 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -124.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M80I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -7.610 dB -3. dB beam width: 39.48 deg -6. dB beam width: 56.29 deg -10. dB beam width: 114.23 deg
Left Sidelobe: Not Found Right Sidelobe: -4.81 dB at -69.385 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.900 GHz Azimuth Elevation Single-pol

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E Plane 960MHz: -0.13017dBi

Far-field amplitude of M80I-B-1-E.nsi

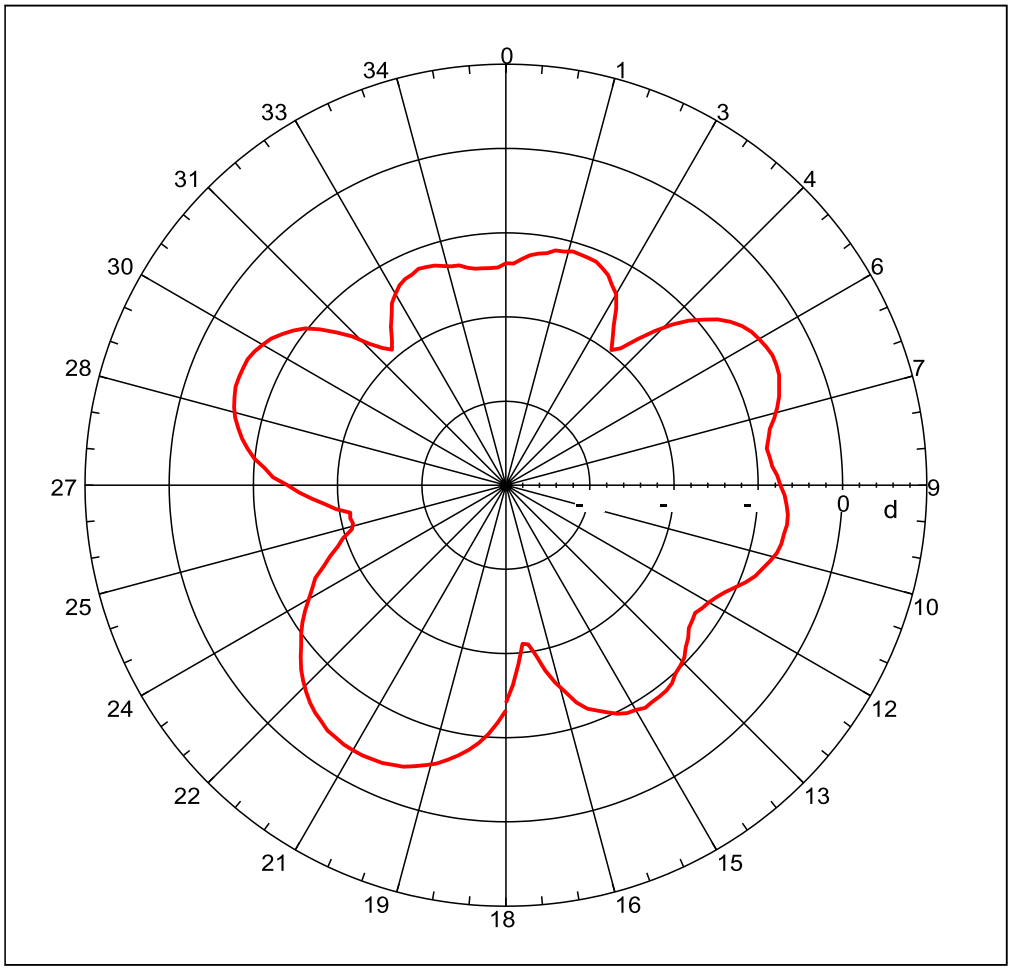


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.13017 dBi
Max far-field (global) = -42.75984 dB, Max far-field (plot) =-42.75985 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -128.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M80I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.803 dB -3. dB beam width: 46.32 deg -6. dB beam width: 75.10 deg
-10. dB beam width: 108.24 deg
Left Sidelobe: Not Found Right Sidelobe: -14.37 dB at 1.006 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 = 2.000deg
Elevation (deg) Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.960 GHz Azimuth Elevation Single-pol

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E Plane 1427.9MHz: -3.6601dBi

Far-field amplitude of M80I-B-1-E.nsi

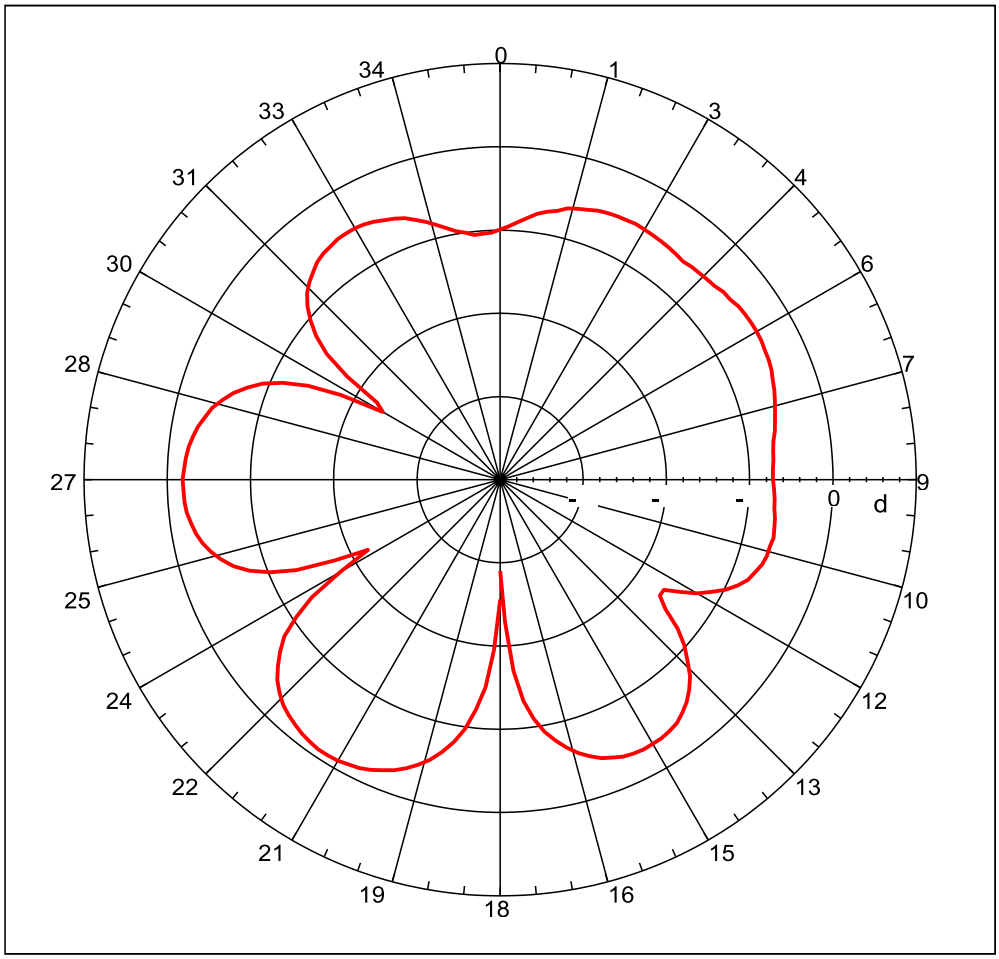


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -3.6601 dBi
Max far-field (global) = -48.63257 dB, Max far-field (plot) = -48.63259 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -150.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -9.841 dB -3. dB beam width: 34.56 deg -6. dB beam width: 48.26 deg
-10. dB beam width: Not Found
Left Sidelobe: Not Found Right Sidelobe: -2.16 dB at -67.374 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 = 2.000deg
Elevation (deg) Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.4279 GHz Azimuth Elevation Single-pol

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E Plane 1475.9MHz: -0.93023dBi

Far-field amplitude of M80I-B-1-E.nsi

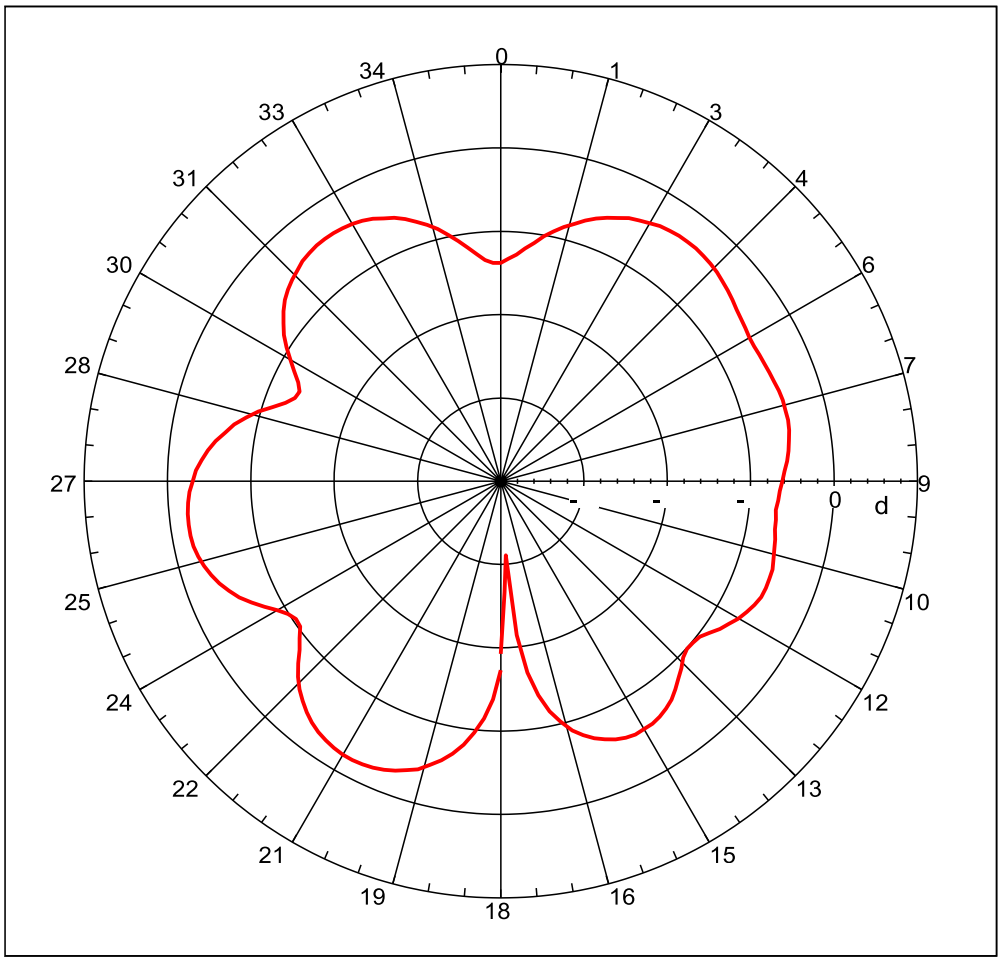


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.93023 dBi
Max far-field (global) = -45.96361 dB, Max far-field (plot) = -45.96362 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -148.00001 deg, Vpeak at: 0.000 deg
Plot centering: OnM80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.319 dB -3. dB beam width: 30.96 deg -6. dB beam width: 41.37 deg
-10. dB beam width: 49.55 deg
Left Sidelobe: Not Found Right Sidelobe: -0.94 dB at -89.497 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.4759 GHz Azimuth Elevation Single-pol

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E Plane 1510.9MHz: -2.10053dBi

Far-field amplitude of M80I-B-1-E.nsi

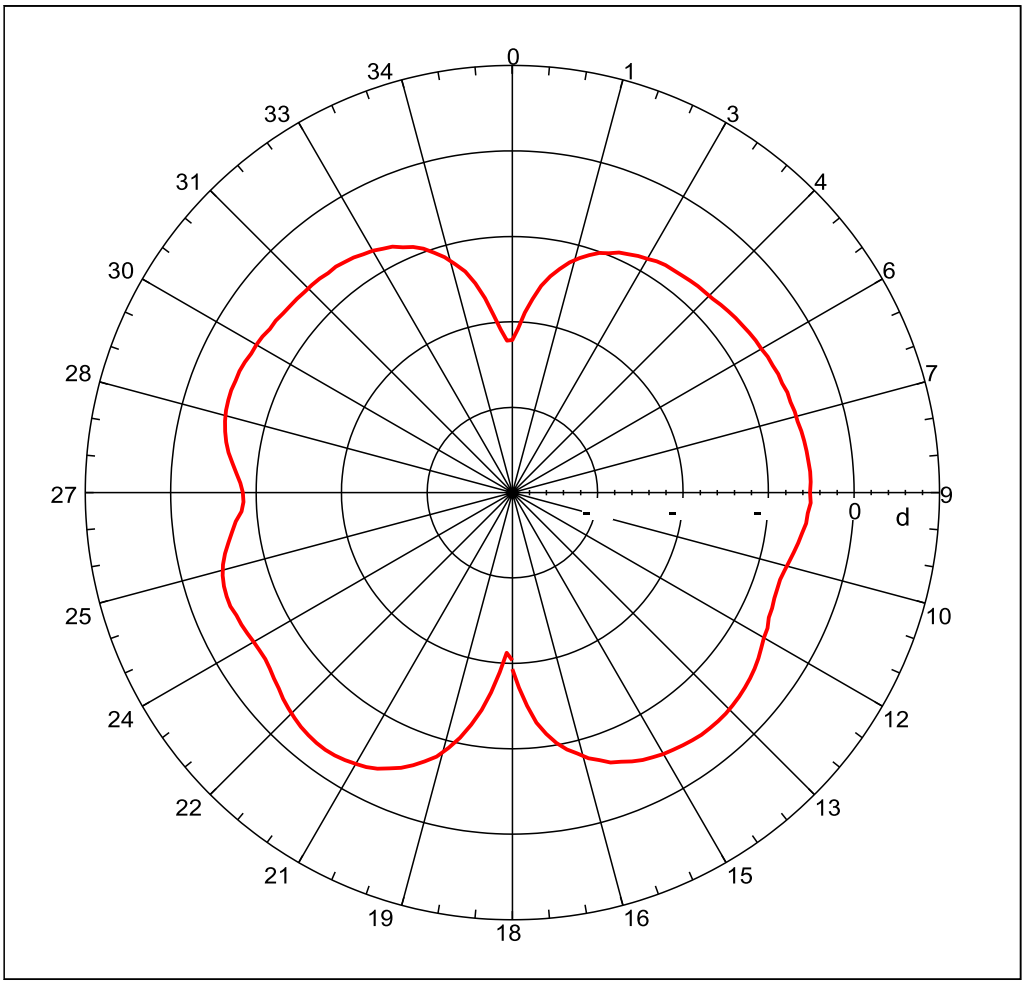


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.10053 dBi
Max far-field (global) = -46.86968 dB, Max far-field (plot) = -46.86969 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -152.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.331 dB -3. dB beam width: 30.18 deg -6. dB beam width: 41.59 deg
-10. dB beam width: 106.48 deg
Left Sidelobe: Not Found Right Sidelobe: -0.10 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.5109 GHz Azimuth Elevation Single-pol

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E Plane 1710MHz: -2.76502dBi

Far-field amplitude of M80I-B-1-E.nsi

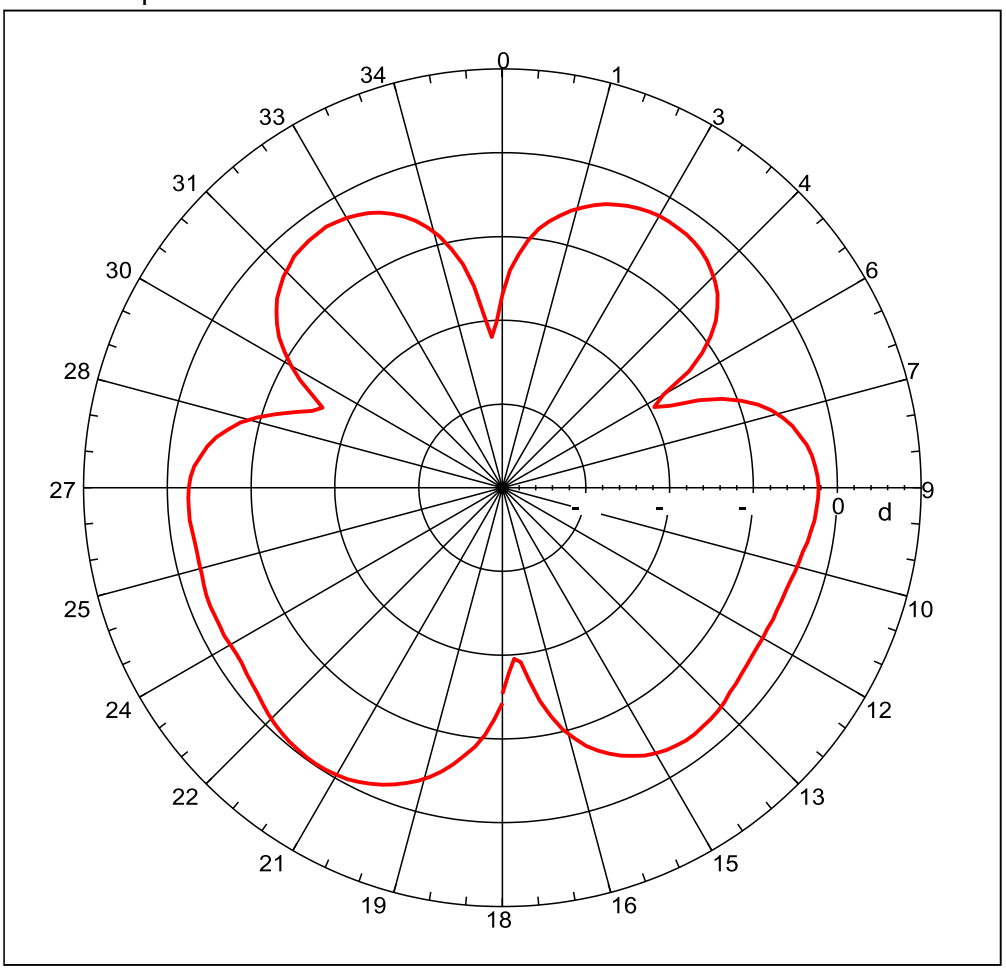


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.76502 dBi
Max far-field (global) = -47.95761 dB, Max far-field (plot) = -47.95765 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -144.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.857 dB -3. dB beam width: 58.03 deg -6. dB beam width: 143.00 deg
-10. dB beam width: 157.79 deg
Left Sidelobe: Not Found Right Sidelobe: -2.25 dB at -69.385 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.710 GHz Azimuth Elevation Single-pol

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E Plane 1800MHz: -0.22198dBi

Far-field amplitude of M80I-B-1-E.nsi

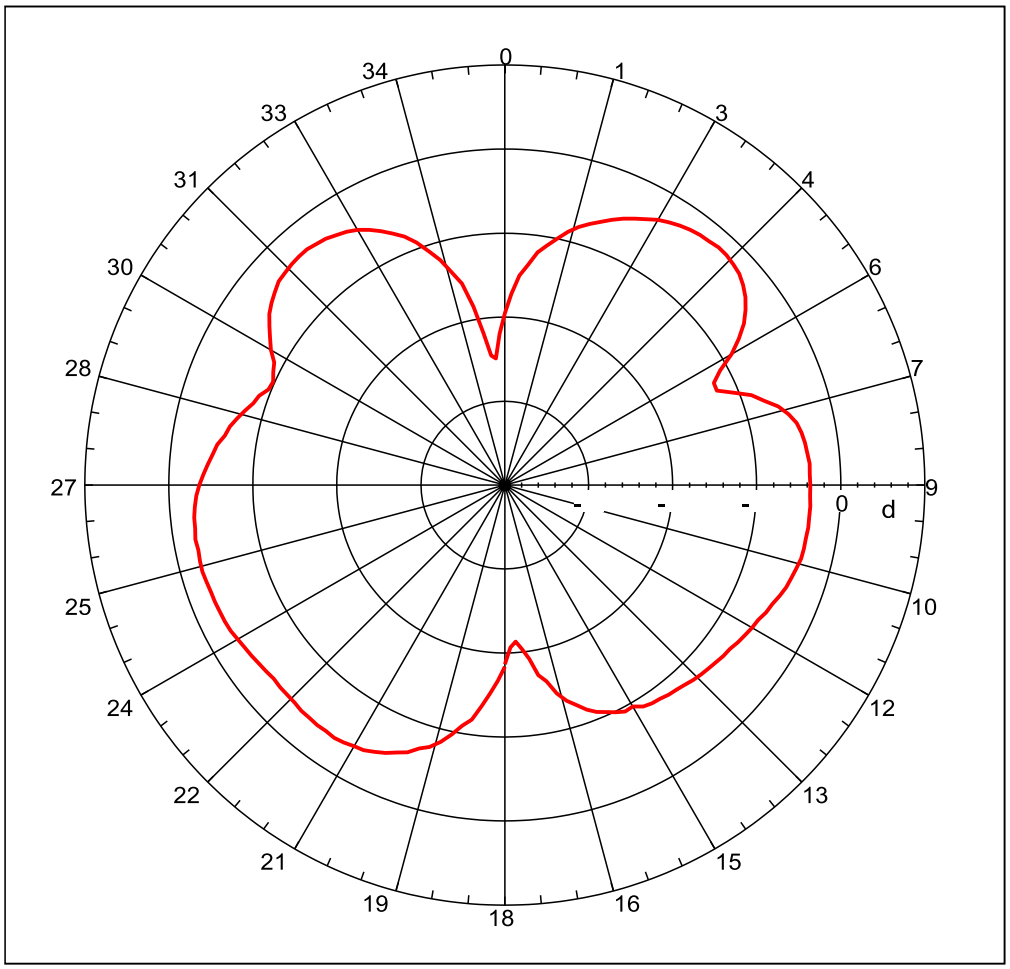


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.22198 dBi
Max far-field (global) = -47.04402 dB, Max far-field (plot) = -47.04405 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -146.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -4.858 dB -3. dB beam width: 77.52 deg -6. dB beam width: 91.46 deg
-10. dB beam width: 102.93 deg
Left Sidelobe: Not Found Right Sidelobe: -2.20 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.800 GHz Azimuth Elevation Single-pol

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E Plane 1900MHz: -1.94962dBi

Far-field amplitude of M80I-B-1-E.nsi

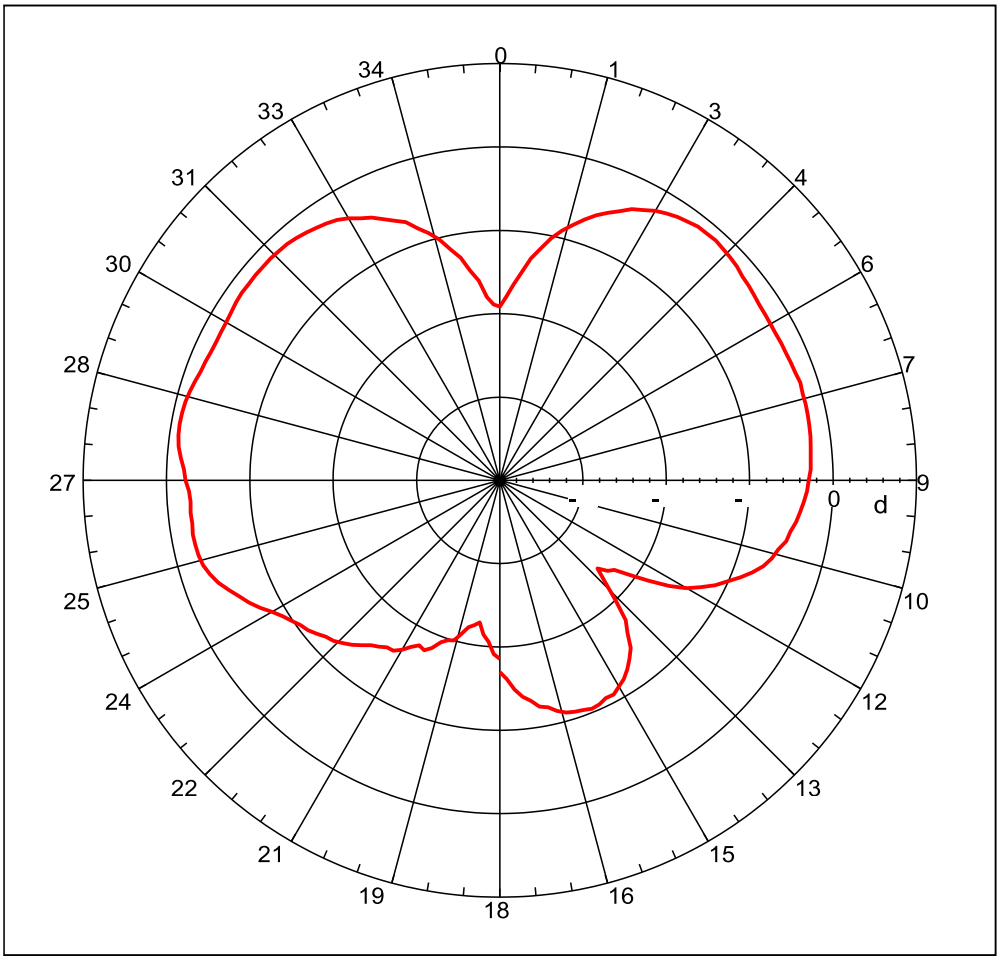


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -1.94962 dBi
Max far-field (global) = -48.98658 dB, Max far-field (plot) = -48.98663 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 41.99999 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.270 dB -3. dB beam width: 29.62 deg -6. dB beam width: 42.88 deg
-10. dB beam width: 55.59 deg
Left Sidelobe: -1.43 dB at -39.218 deg Right Sidelobe: -1.67 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.900 GHz Azimuth Elevation Single-pol

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E Plane 2170MHz: -1.0091dBi

Far-field amplitude of M80I-B-1-E.nsi

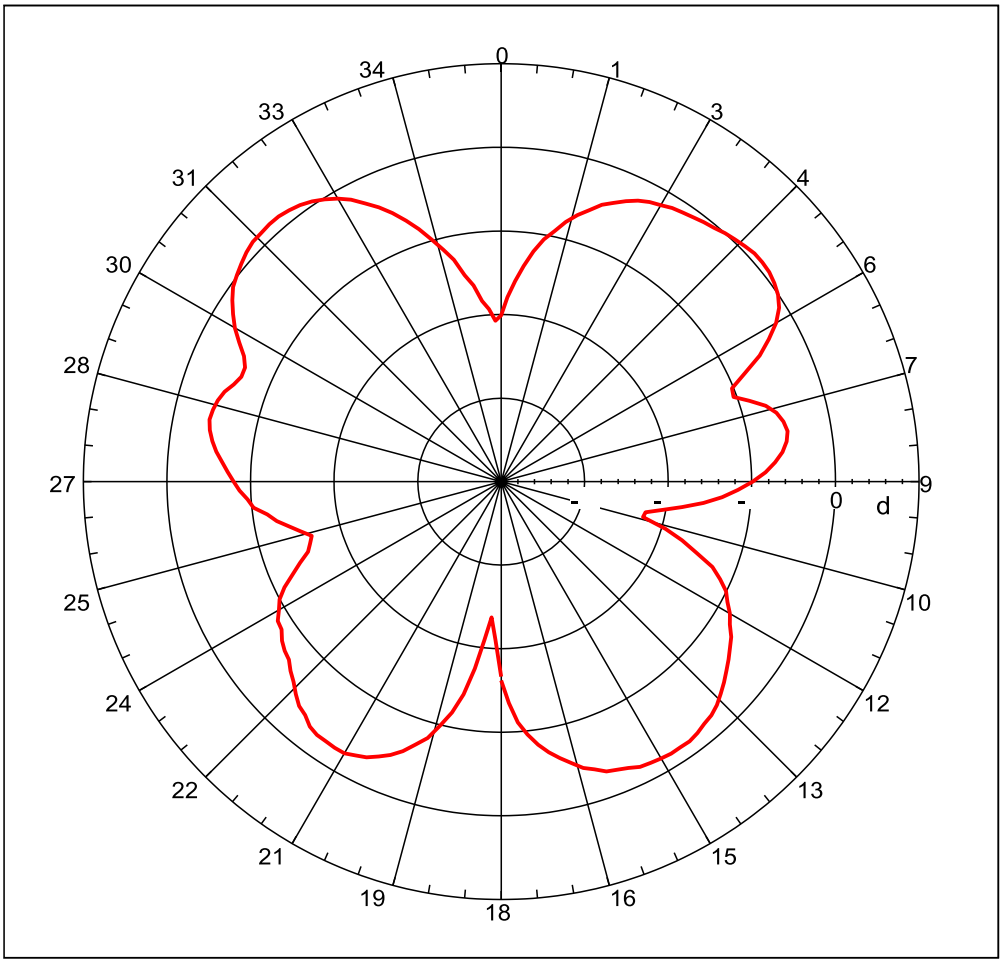


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -1.0091 dBi
Max far-field (global) = -48.54121 dB, Max far-field (plot) = -48.54133 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -80.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.352 dB -3. dB beam width: 81.11 deg -6. dB beam width: 97.48 deg
-10. dB beam width: 116.43 deg
Left Sidelobe: Not Found Right Sidelobe: -0.26 dB at 43.240 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.170 GHz Azimuth Elevation Single-pol

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E Plane 2400MHz: 1.42817dBi

Far-field amplitude of M80I-B-1-E.nsi

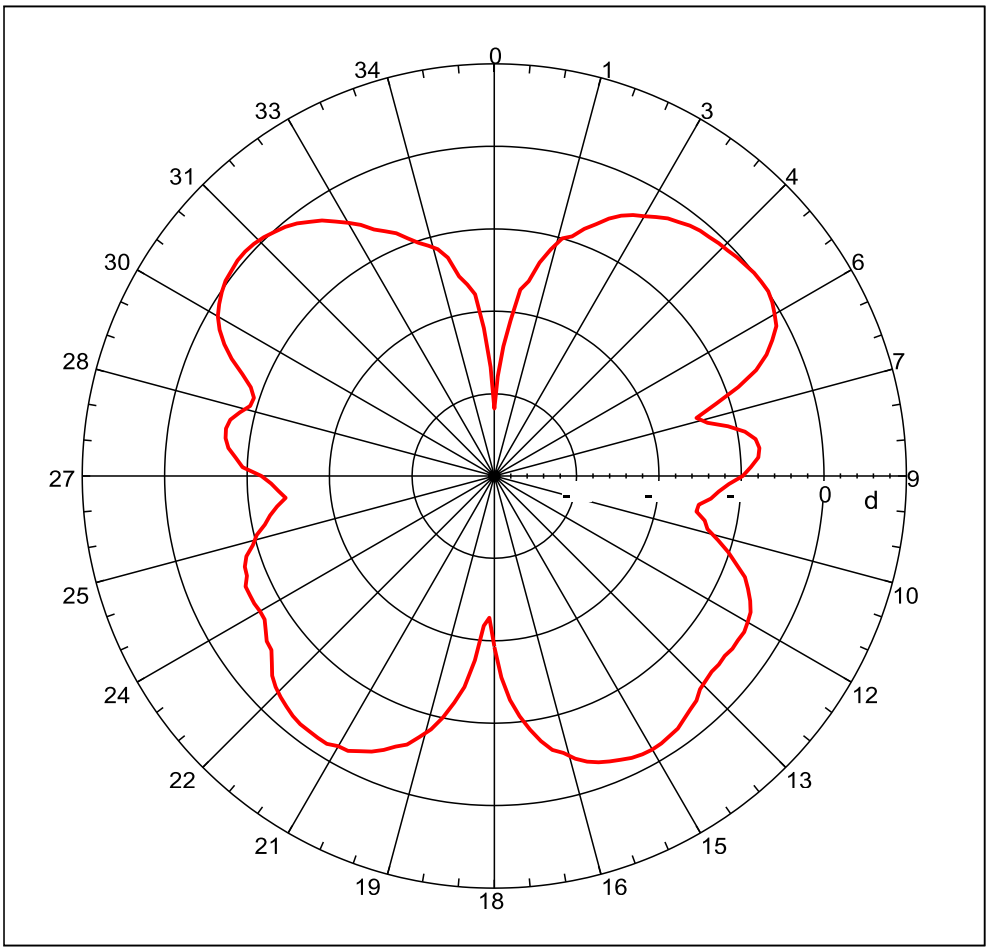


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 1.42817 dBi
Max far-field (global) = -47.57946 dB, Max far-field (plot) = -47.57949 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -42.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.448 dB -3. dB beam width: 28.40 deg -6. dB beam width: 39.08 deg
-10. dB beam width: 74.46 deg
Left Sidelobe: -5.78 dB at -77.430 deg Right Sidelobe: -0.62 dB at 51.285 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.400 GHz Azimuth Elevation Single-pol

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E Plane 2500MHz: 0.65174dBi

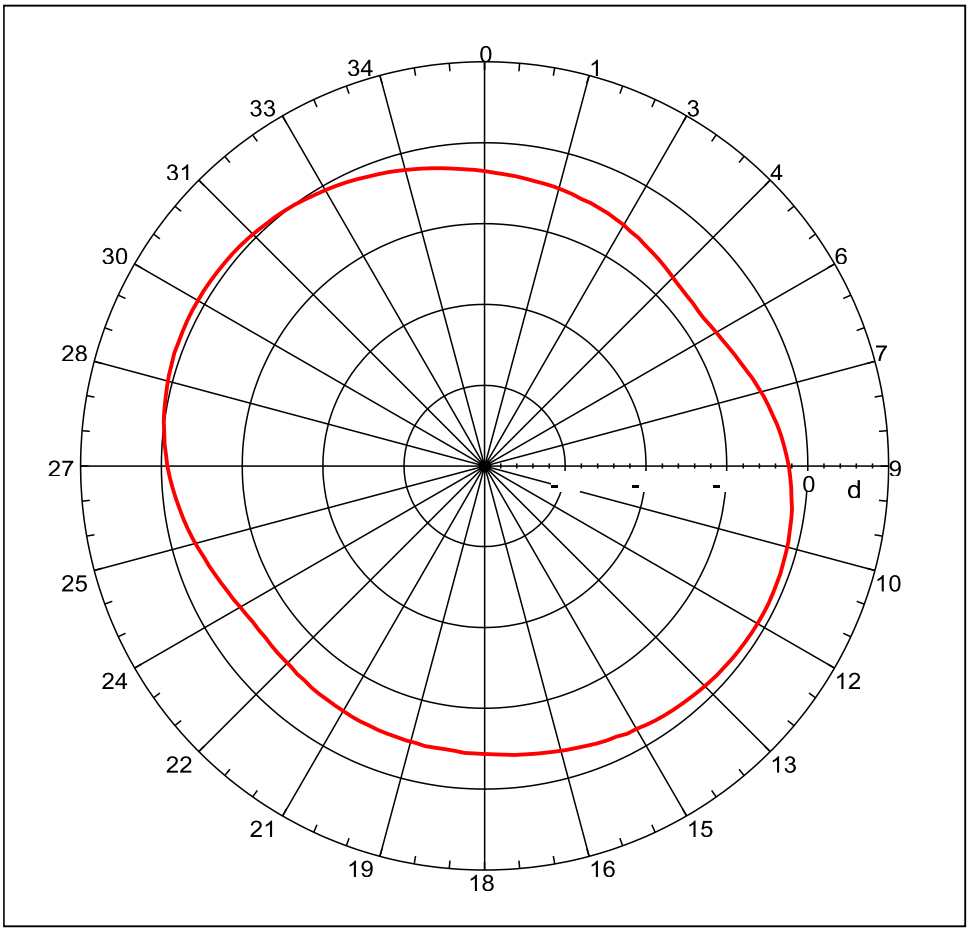
Far-field amplitude of M80I-B-1-E.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.65174 dBi
Max far-field (global) = -49.48425 dB, Max far-field (plot) = -49.48432 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -48.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-E.nsi
Measurement date/time: 4/8/2016 5:02:56 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.671 dB -3. dB beam width: 27.54 deg -6. dB beam width: 38.14 deg
-10. dB beam width: 52.27 deg
Left Sidelobe: -7.61 dB at -79.441 deg Right Sidelobe: -0.59 dB at 57.318 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.500 GHz Azimuth Elevation Single-pol

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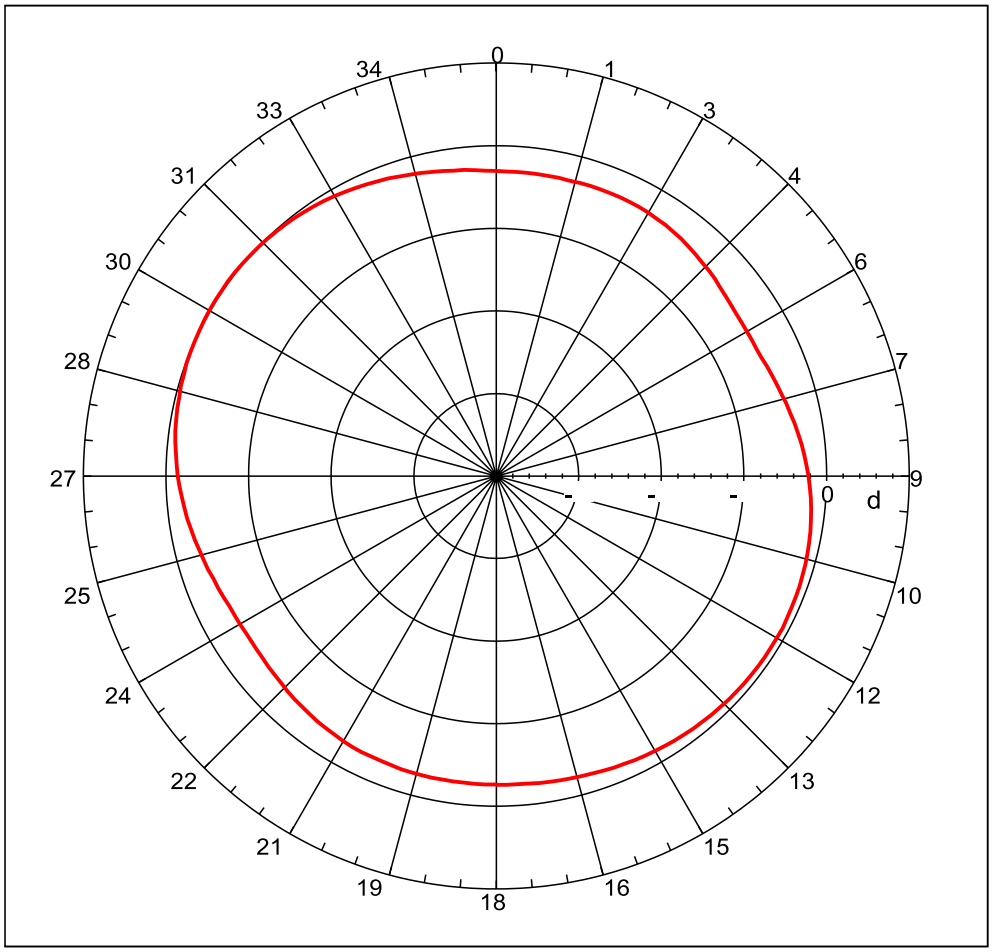
H Plane 806MHz: 0.96852dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.96852 dBi
Max far-field (global) = -41.77975 dB, Max far-field (plot) = -41.77976 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -62.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -2.746 dB -3. dB beam width: 83.75 deg -6. dB beam width: 143.67 deg
-10. dB beam width: Not Found
Left Sidelobe: -5.54 dB at -167.933 deg Right Sidelobe: -1.92 dB at 117.654 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.806 GHz Azimuth Elevation Single-pol

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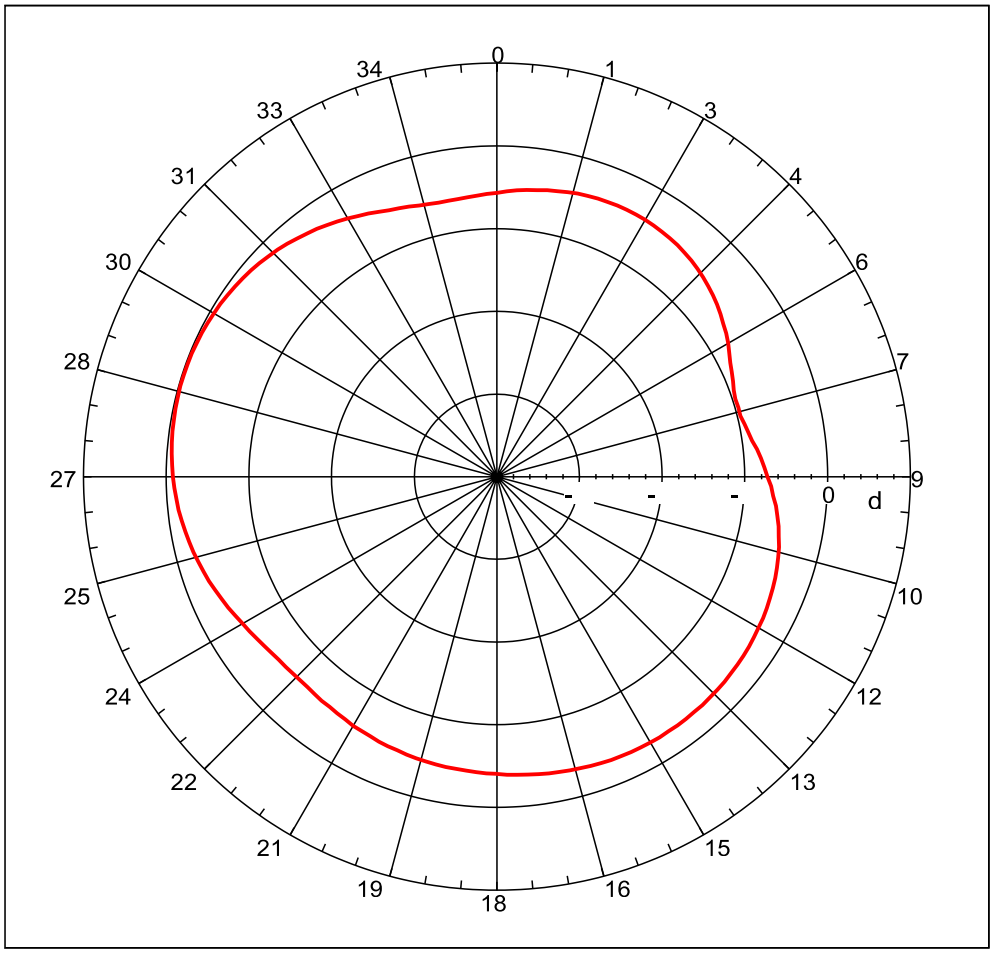
H Plane 824MHz: 0.10316dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.10316 dBi
Max far-field (global) = -42.04391 dB, Max far-field (plot) = -42.04392 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -54.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -2.202 dB -3. dB beam width: 100.13 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -2.90 dB at -153.855 deg Right Sidelobe: -0.83 dB at 119.665 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.824 GHz Azimuth Elevation Single-pol

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H Plane 850MHz: -0.21655dBi
Far-field amplitude of M80I-B-1-H.nsi

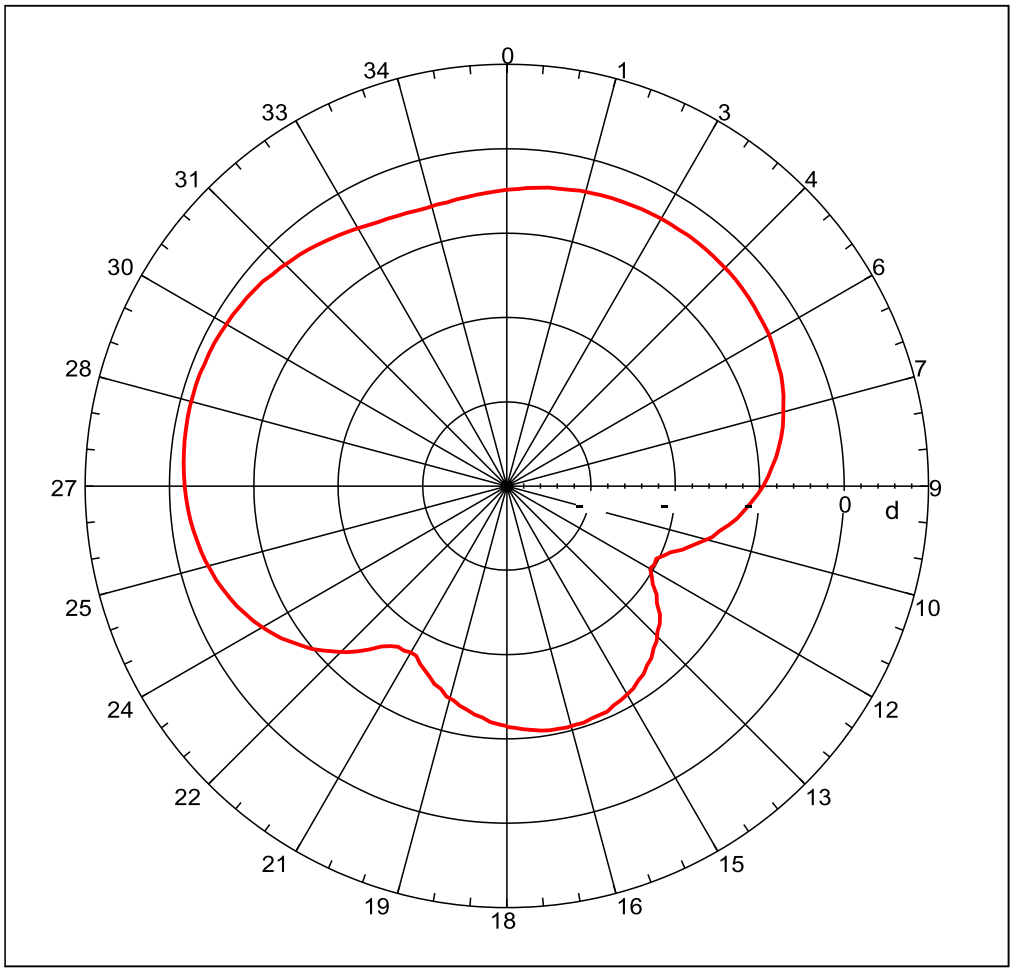


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.21655 dBi
Max far-field (global) = -41.74962 dB, Max far-field (plot) = -41.74962 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -74.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -3.940 dB -3. dB beam width: 77.23 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: Not Found Right Sidelobe: -3.89 dB at 27.151 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.850 GHz Azimuth Elevation Single-pol

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H Plane 900MHz: -1.26333dBi

Far-field amplitude of M80I-B-1-H.nsi

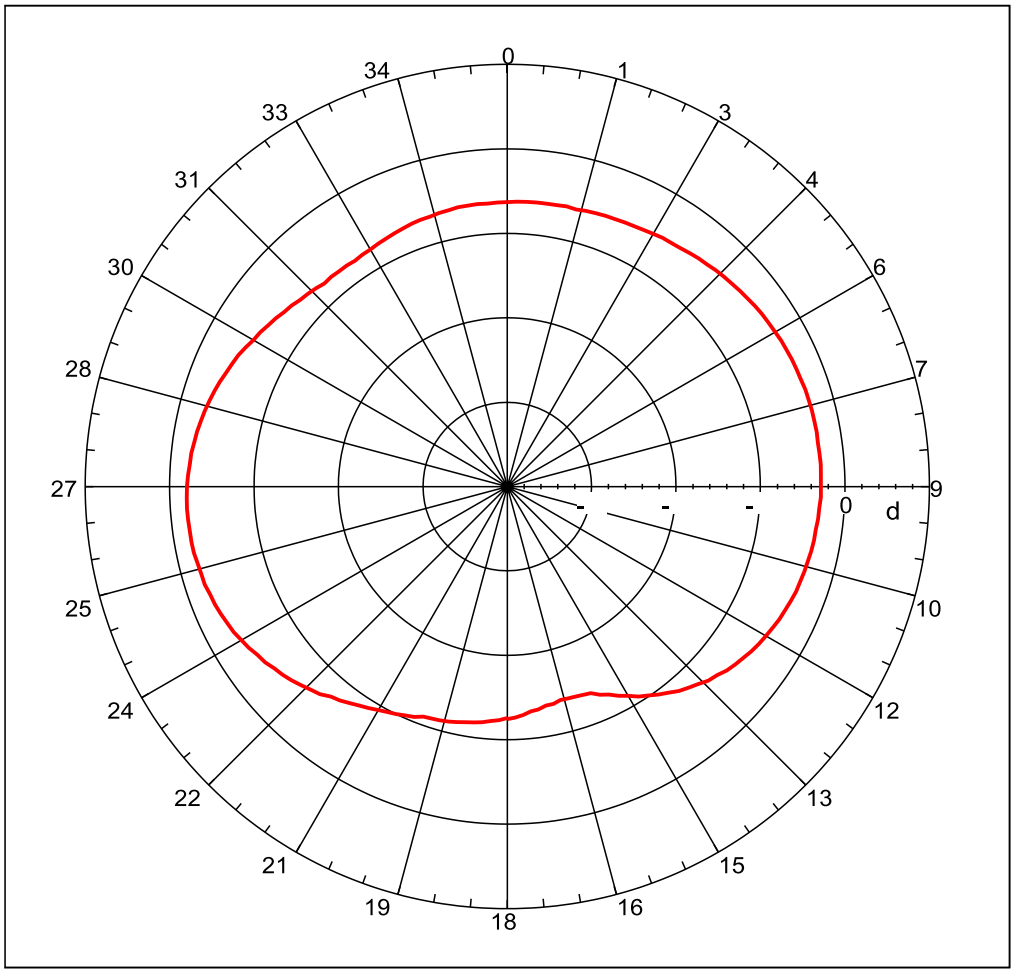


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -1.26333 dBi
Max far-field (global) = -42.82301 dB, Max far-field (plot) = -42.82302 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -72.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.505 dB -3. dB beam width: 77.22 deg -6. dB beam width: 204.84 deg
-10. dB beam width: 228.98 deg
Left Sidelobe: Not Found Right Sidelobe: -2.13 dB at 31.173 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.900 GHz Azimuth Elevation Single-pol

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H Plane 960MHz: -2.00601dBi

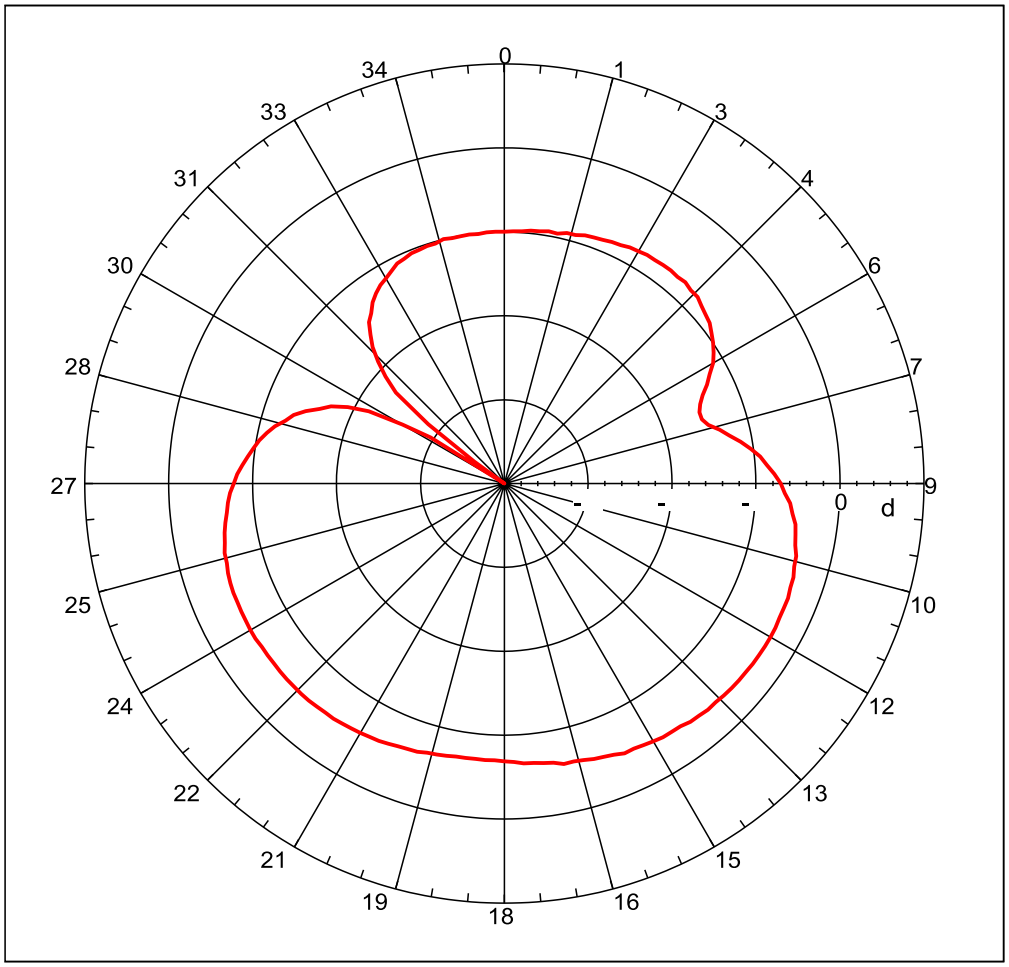
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.00601 dBi
Max far-field (global) = -44.63568 dB, Max far-field (plot) = -44.63569 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -94.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.653 dB -3. dB beam width: 66.87 deg -6. dB beam width: 282.82 deg
-10. dB beam width: 328.83 deg
Left Sidelobe: Not Found Right Sidelobe: -4.42 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.960 GHz Azimuth Elevation Single-pol

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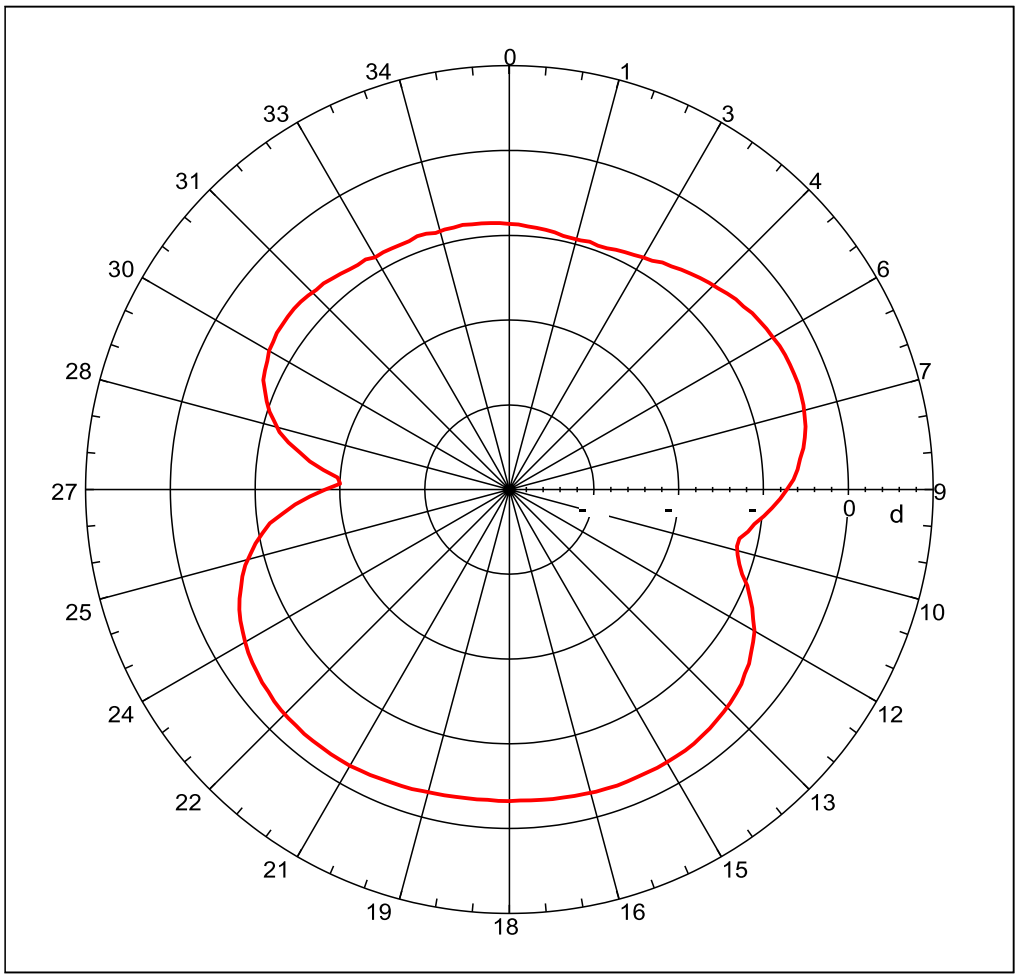
H Plane 1427.9MHz: -3.37098dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -3.37098 dBi
Max far-field (global) = -48.34345 dB, Max far-field (plot) = -48.34347 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 119.99999 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -7.703 dB -3. dB beam width: 80.06 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -4.39 dB at 43.240 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.4279 GHz Azimuth Elevation Single-pol

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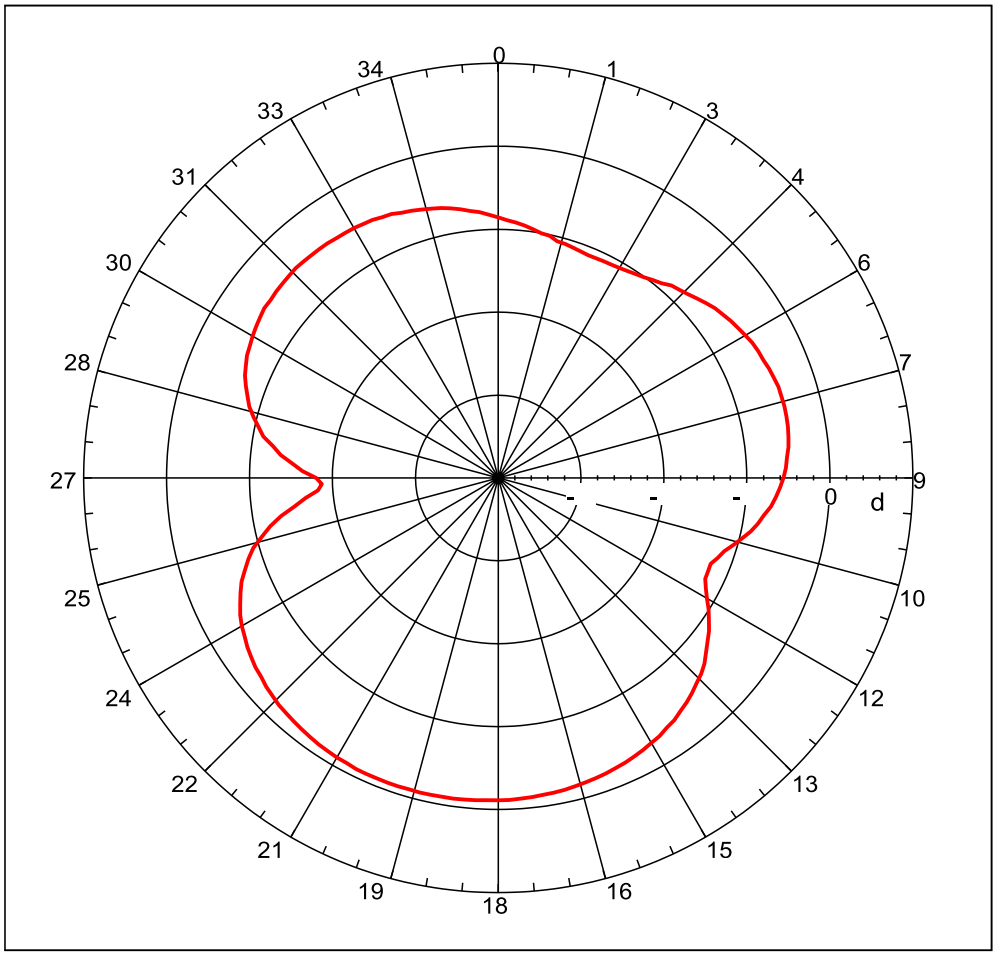
H Plane 1475.9MHz: -2.35677dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.35677 dBi
Max far-field (global) = -47.39015 dB, Max far-field (plot) = -47.39017 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -146.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.000 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: -4.49 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.4759 GHz Azimuth Elevation Single-pol

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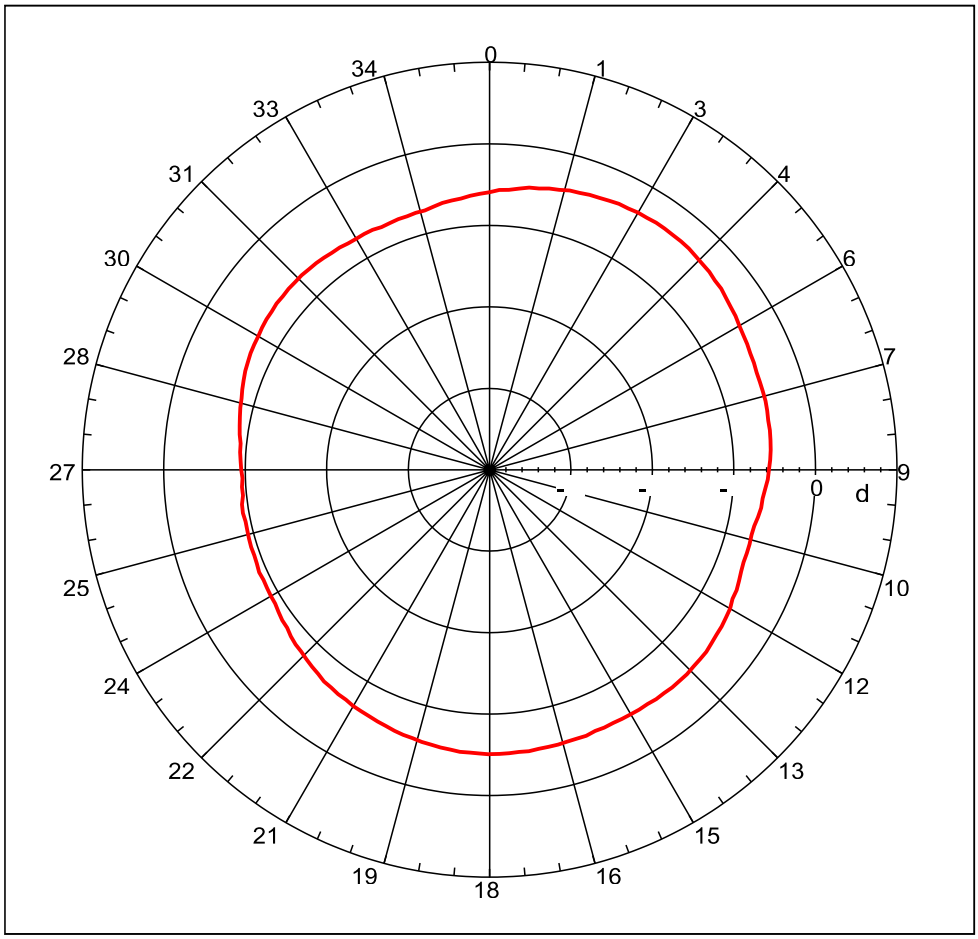
H Plane 1510.9MHz: -0.90315dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.90315 dBi
Max far-field (global) = -45.67231 dB, Max far-field (plot) = -45.67231 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: -162.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-H NSI2000 V4.0.124, Filename:C:¥Documents and Settings¥NSI¥Desktop¥M8 0I-B-1¥M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97 Far-field Cut Analysis:
Avg value: -5.613 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: -4.26 dB at -53.296 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
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1.5109 GHz Azimuth Elevation Single-pol

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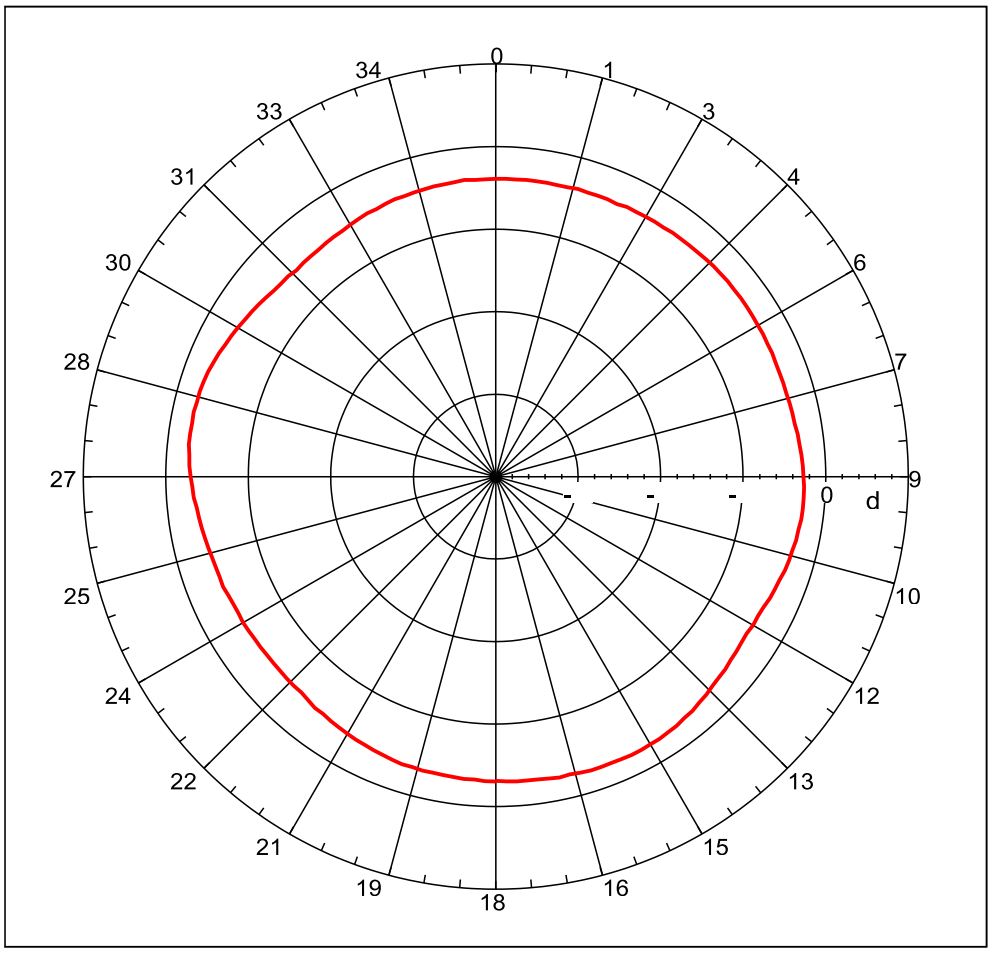
H Plane 1710MHz: -3.42207dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -3.42207 dBi
Max far-field (global) = -48.61466 dB, Max far-field (plot) = -48.61467 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: 39.99999 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-H NSI2000 V4.0.124, Filename:C:¥Documents and Settings¥NSI¥Desktop¥M8 0I-B-1¥M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97 Far-field Cut Analysis:
Avg value: -6.153 dB -3. dB beam width: 104.51 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -1.77 dB at -173.967 deg Right Sidelobe: -1.70 dB at 137.765 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
---- --------- ------- --------- ---
1.710 GHz Azimuth Elevation Single-pol

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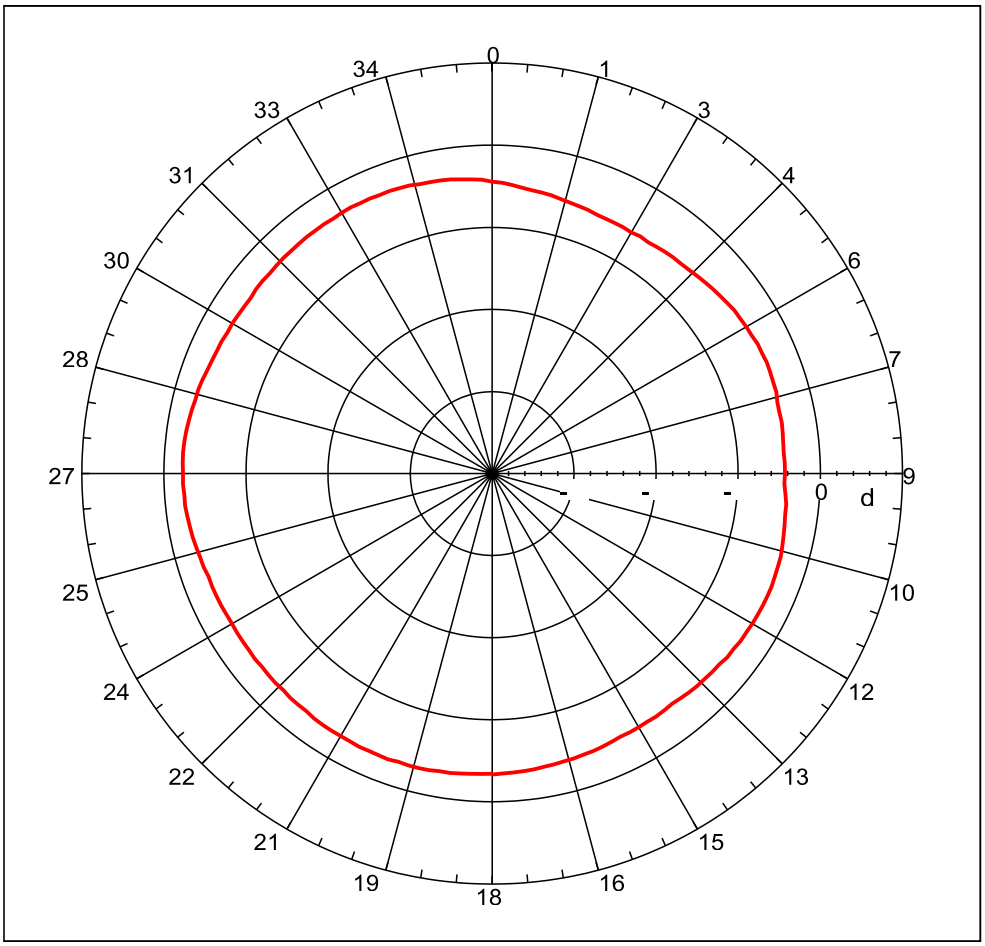
H Plane 1800MHz: -2.45029dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.45029 dBi
Max far-field (global) = -49.27233 dB, Max far-field (plot) =
-49.27234 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: 153.99999 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-H NSI2000 V4.0.124, Filename:C:¥Documents and Settings¥NSI¥Desktop¥M8 0I-B-1¥M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97 Far-field Cut Analysis: Avg value: -3.613 dB
-3. dB beam width: Not Found -6. dB beam width: Not Found -10. dB beam width: Not Found
Left Sidelobe: -0.12 dB at 97.542 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
---- --------- ------- --------- ---
1.800 GHz Azimuth Elevation Single-pol

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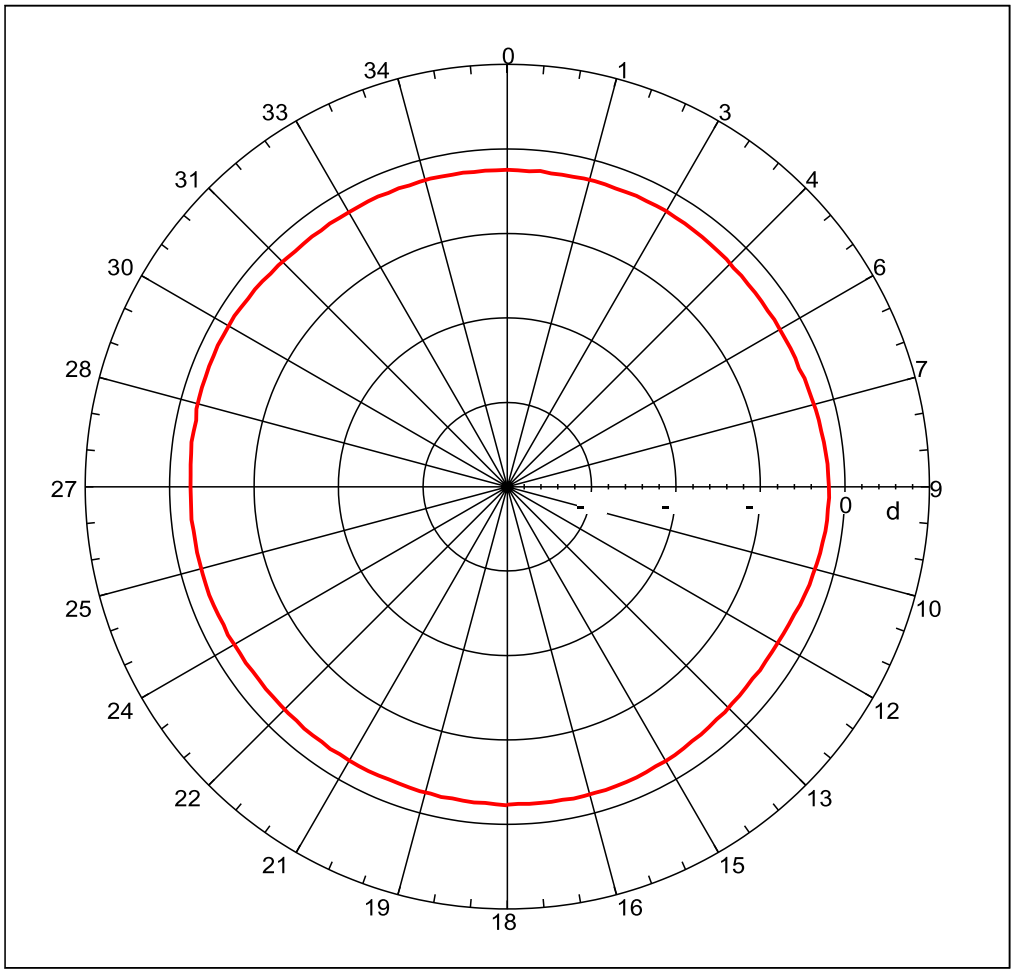
H Plane 1900MHz: -2.25705dBi
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.25705 dBi
Max far-field (global) = -49.29401 dB, Max far-field (plot) = -49.29404 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: -86.000 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-H NSI2000 V4.0.124, Filename:C:¥Documents and Settings¥NSI¥Desktop¥M8 0I-B-1¥M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97 Far-field Cut Analysis:
Avg value: -3.762 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: -1.65 dB at 69.385 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
---- --------- ------- --------- ---
1.900 GHz Azimuth Elevation Single-pol

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H Plane 2170MHz: -1.84482dBi
Far-field amplitude of M80I-B-1-H.nsi

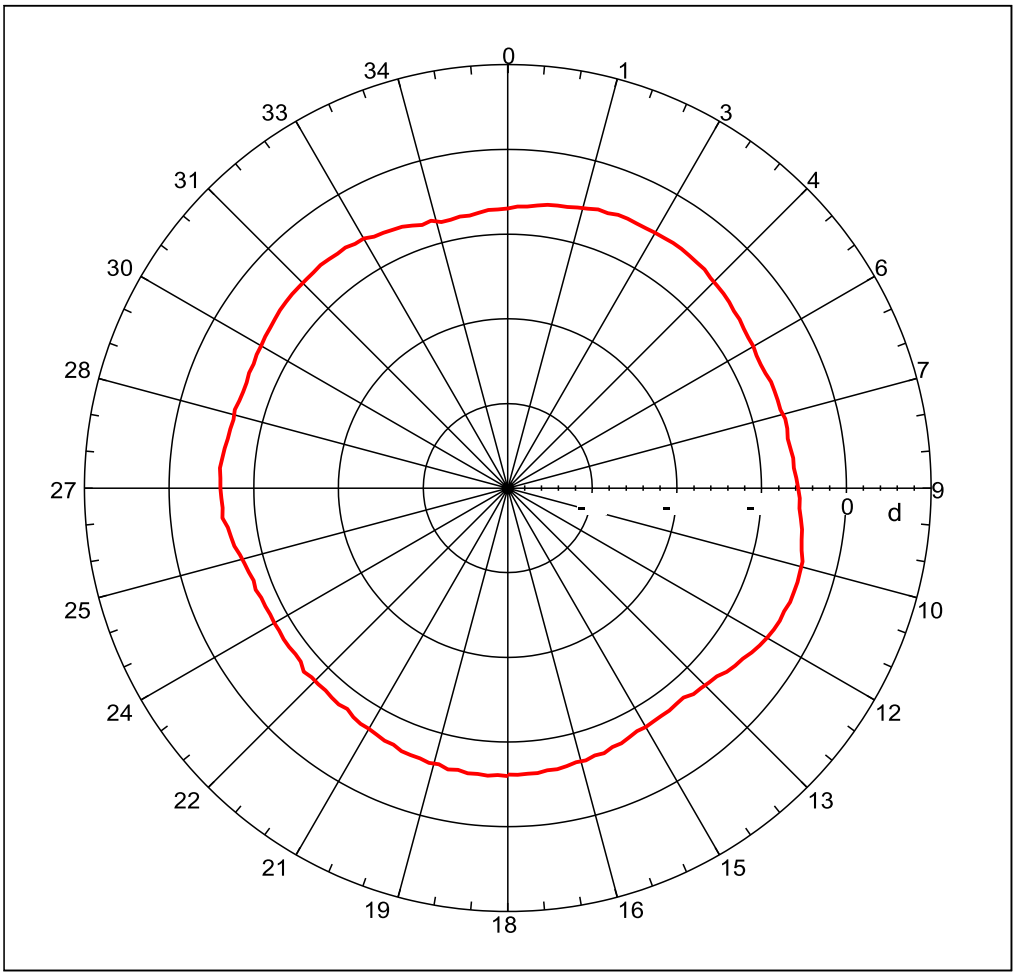


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -1.84482 dBi
Max far-field (global) = -49.37693 dB, Max far-field (plot) = -49.37696 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: 91.99999 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-H NSI2000 V4.0.124, Filename:C:¥Documents and Settings¥NSI¥Desktop¥M8 0I-B-1¥M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97 Far-field Cut Analysis:
Avg value: -2.459 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
---- --------- ------- --------- ---
2.170 GHz Azimuth Elevation Single-pol

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H Plane 2400MHz: -4.02438dBi

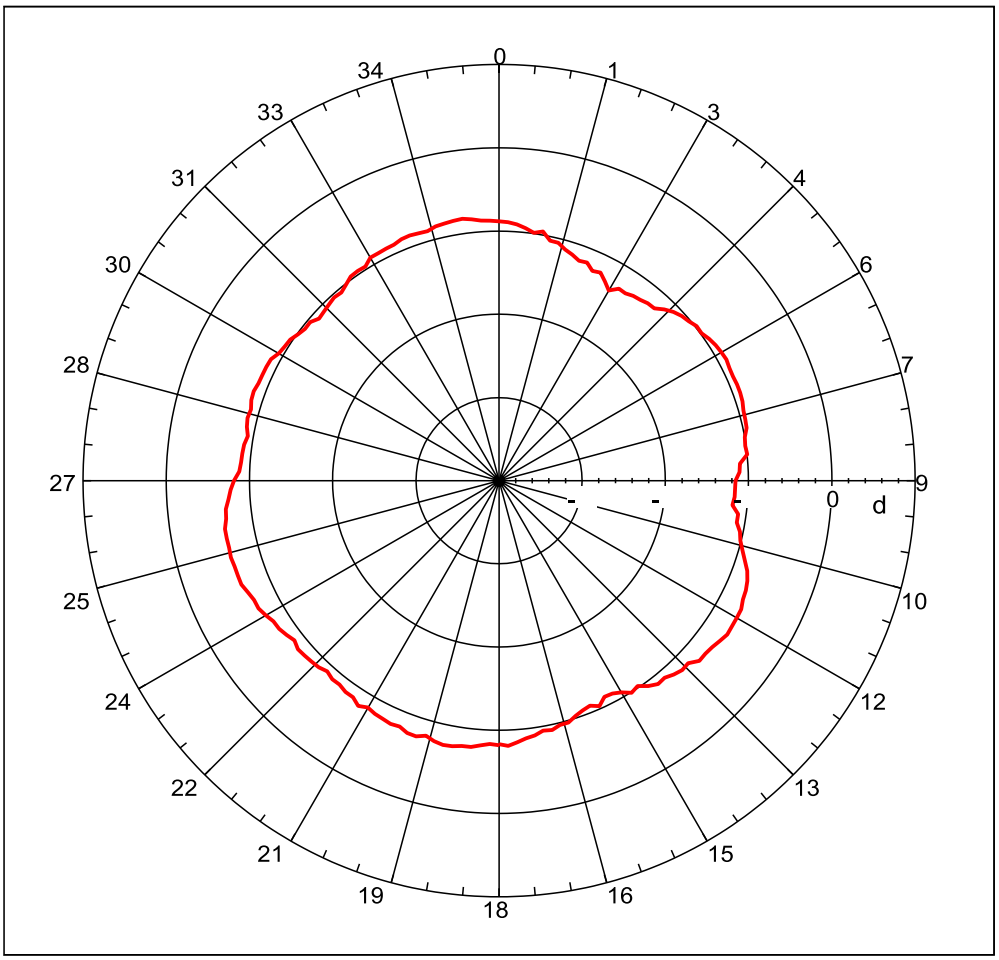
Far-field amplitude of M80I-B-1-H.nsi



Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -4.02438 dBi
Max far-field (global) = -53.03201 dB, Max far-field (plot) = -53.03205 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 107.99999 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.334 dB -3. dB beam width: 135.90 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -1.05 dB at 37.207 deg Right Sidelobe: -2.67 dB at 161.899 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 = 2.000deg
Elevation (deg) Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.400 GHz Azimuth Elevation Single-pol

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H Plane 2500MHz: -6.49556dBi
Far-field amplitude of M80I-B-1-H.nsi

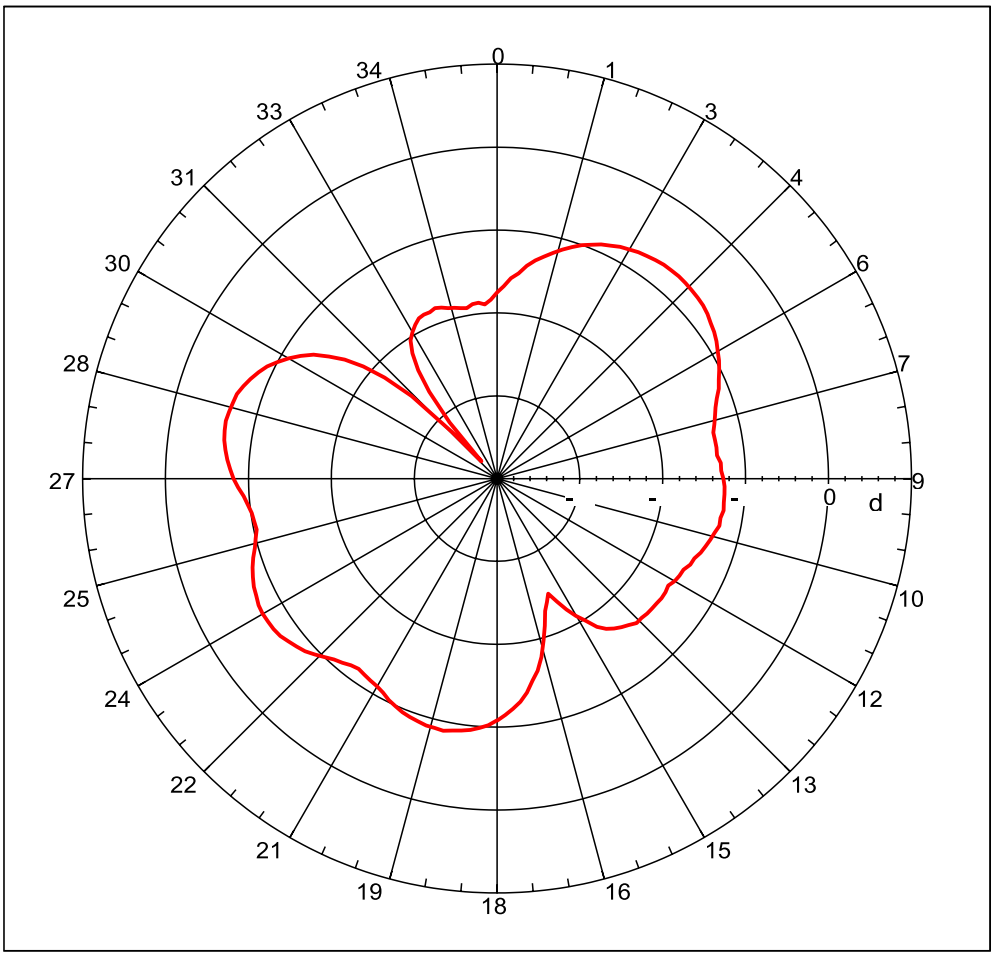


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.49556 dBi
Max far-field (global) = -56.63155 dB, Max far-field (plot) =-56.63161 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -106.00001 deg, Vpeak at: 0.000 deg
Plot centering: On M80I-B-1-HNSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\M8
0I-B-1\M80I-B-1-H.nsi
Measurement date/time: 4/8/2016 4:53:01 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -9.108 dB -3. dB beam width: Not Found -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -1.59 dB at -147.821 deg Right Sidelobe: -3.14 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 15 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.500 GHz Azimuth Elevation Single-pol

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E Plane 817.5MHz: -6.57438dBi

Far-field amplitude of 20170322-A-E.nsi

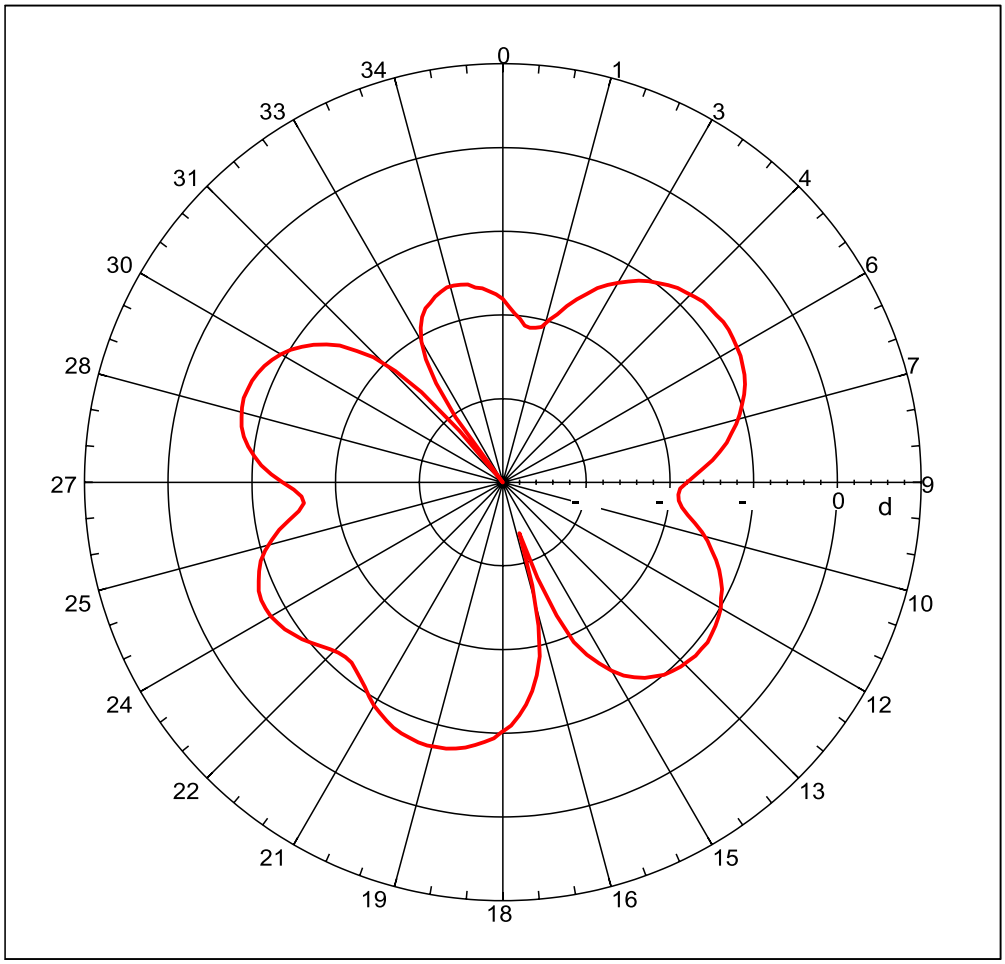


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.57438 dBi
Max far-field (global) = -49.00855 dB, Max far-field (plot) =-49.00861 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -78.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -11.775 dB -3. dB beam width: 32.09 deg -6. dB beam width: Not Found -10. dB beam width: Not Found
Left Sidelobe: -0.77 dB at -119.665 deg Right Sidelobe: -11.79 dB at -23.128 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 = 2.000deg
Elevation (deg) Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8175 GHz Azimuth Elevation Single-pol

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E Plane 822.5MHz: -7.27524dBi

Far-field amplitude of 20170322-A-E.nsi

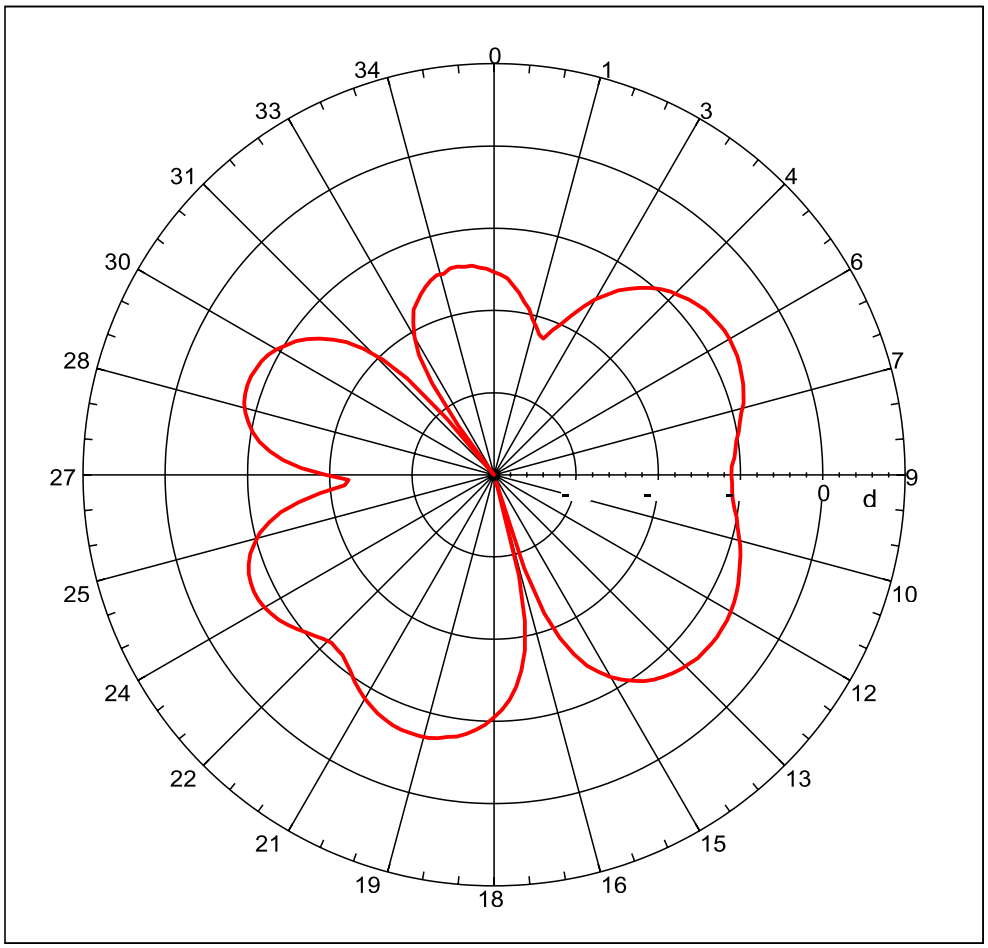


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -7.27524 dBi
Max far-field (global) = -49.46241 dB, Max far-field (plot) =-49.46246 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -164.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-E NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -11.902 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: -0.62 dB at -117.654 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8225 GHz Azimuth Elevation Single-pol

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E Plane 827.5MHz: -6.44599dBi

Far-field amplitude of 20170322-A-E.nsi

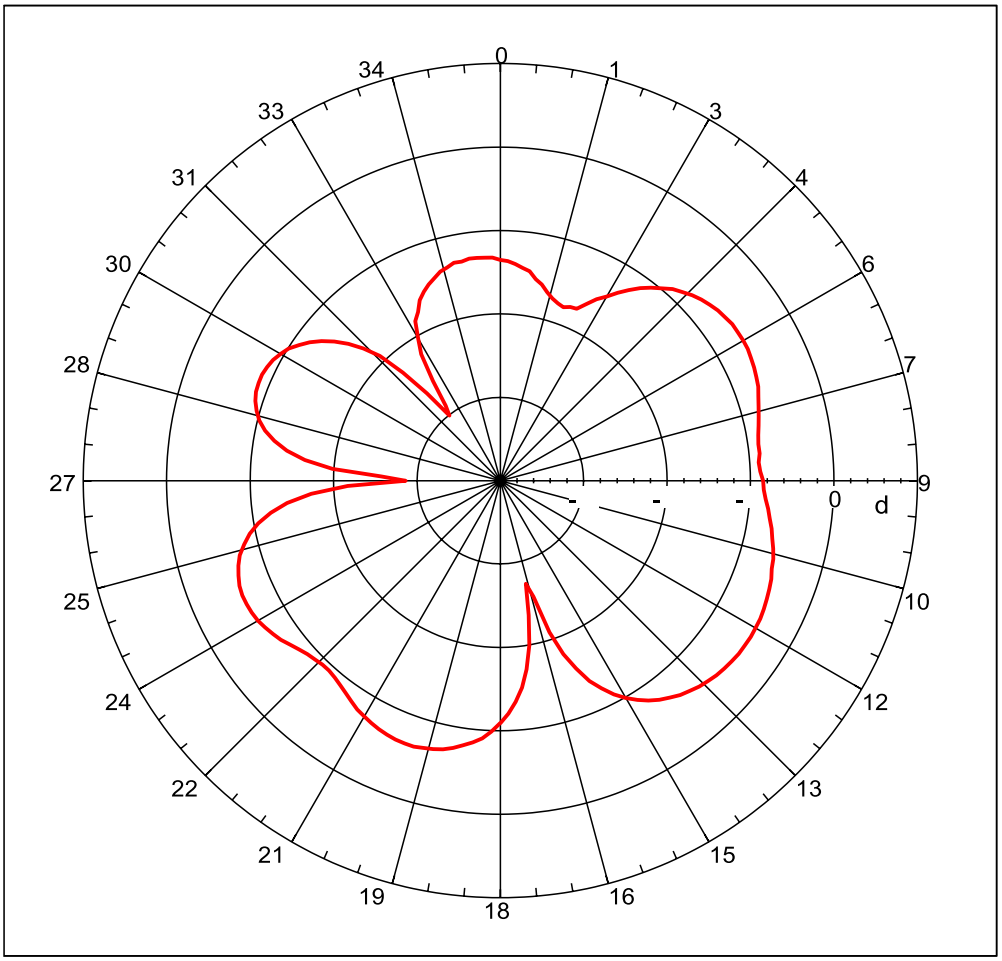


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.44599 dBi
Max far-field (global) = -48.55116 dB, Max far-field (plot) =-48.55123 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 126.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-E NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -11.012 dB -3. dB beam width: 42.09 deg -6. dB beam width: 116.91 deg -10. dB beam width: 128.42 deg
Left Sidelobe: -0.49 dB at 59.330 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 = 2.000deg Elevation (deg)
Center = 0.000 deg, #pts = 1 Selected beam(s) 1 of 12
Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8275 GHz Azimuth Elevation Single-pol

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E Plane 832.5MHz: -4.61766dBi

Far-field amplitude of 20170322-A-E.nsi

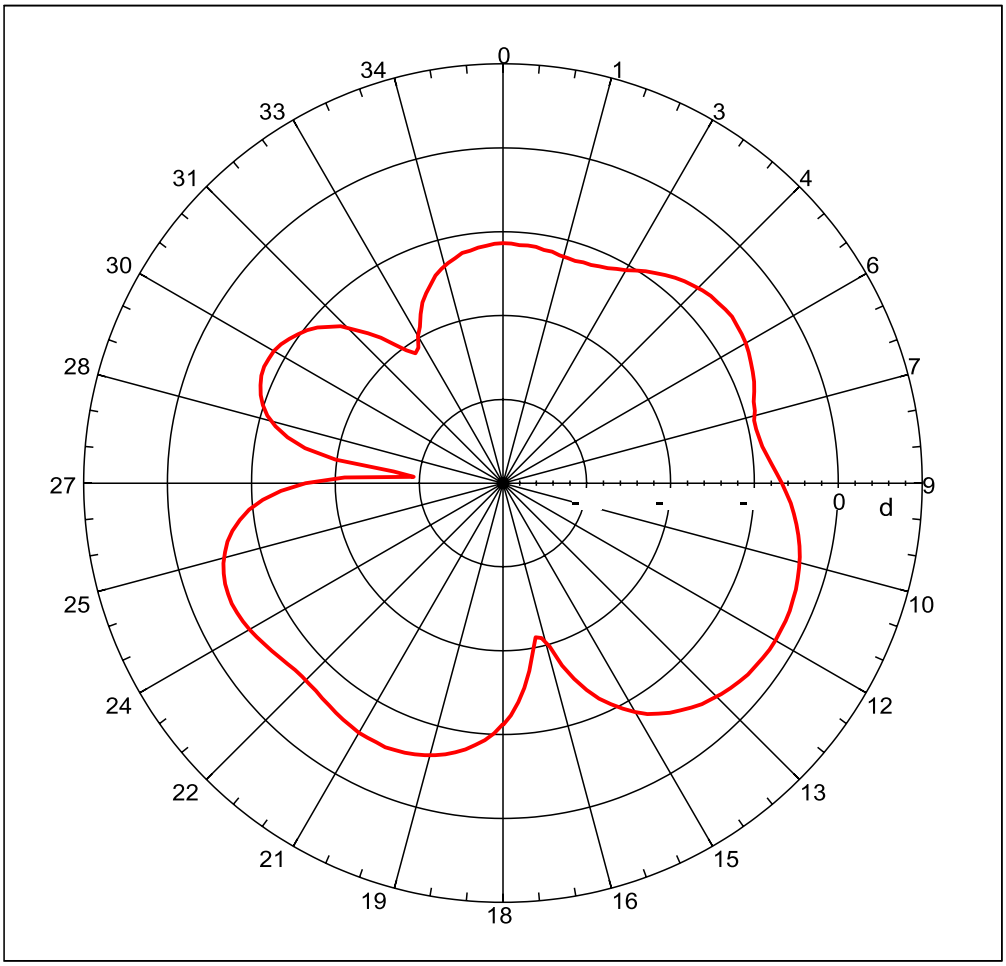


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -4.61766 dBi
Max far-field (global) = -46.60583 dB, Max far-field (plot) =-46.60585 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 121.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-E NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -9.862 dB -3. dB beam width: 47.99 deg -6. dB beam width: 113.80 deg -10. dB beam width: 127.81 deg
Left Sidelobe: -1.77 dB at 63.352 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8325 GHz Azimuth Elevation Single-pol

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E Plane 837.5MHz: -2.48201dBi

Far-field amplitude of 20170322-A-E.nsi

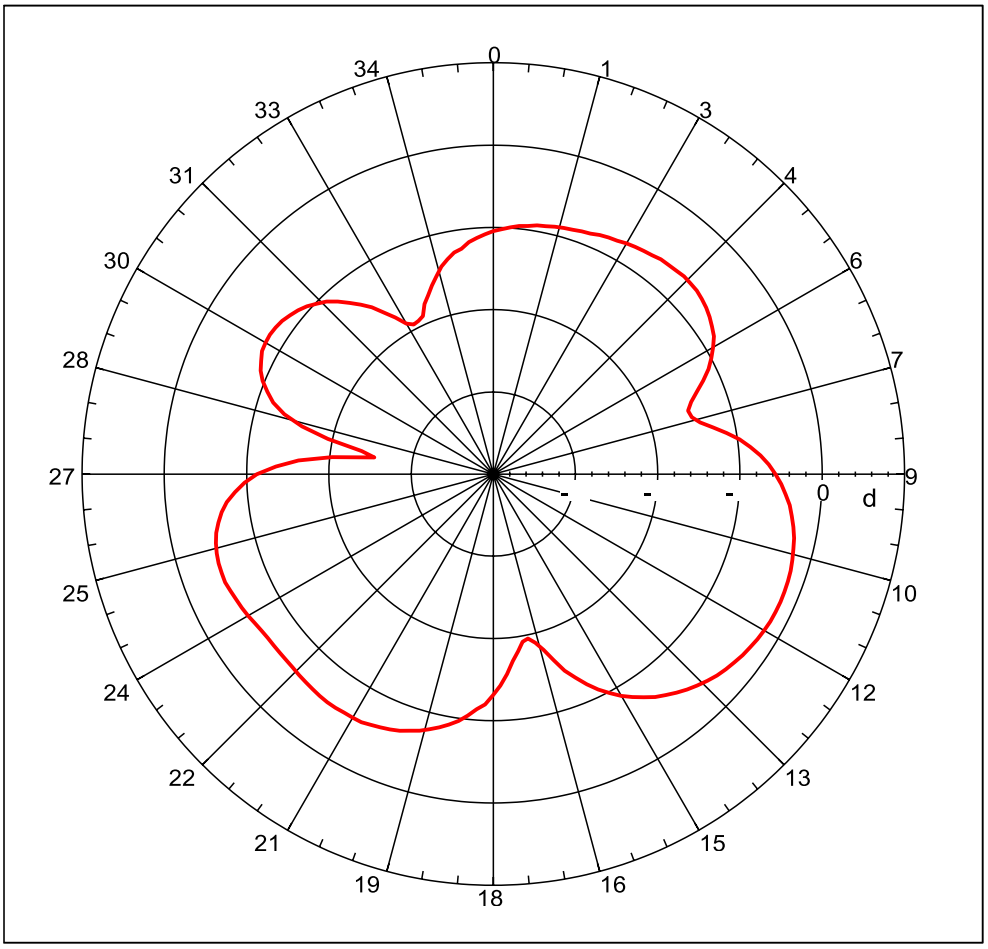


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.48201 dBi
Max far-field (global) = -44.31229 dB, Max far-field (plot) =-44.31234 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 116.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -8.331 dB -3. dB beam width: 47.28 deg -6. dB beam width: 66.98 deg -10. dB beam width: 169.28 deg
Left Sidelobe: -3.75 dB at 55.307 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8375 GHz Azimuth Elevation Single-pol

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E Plane 842.5MHz: -1.77447dBi

Far-field amplitude of 20170322-A-E.nsi

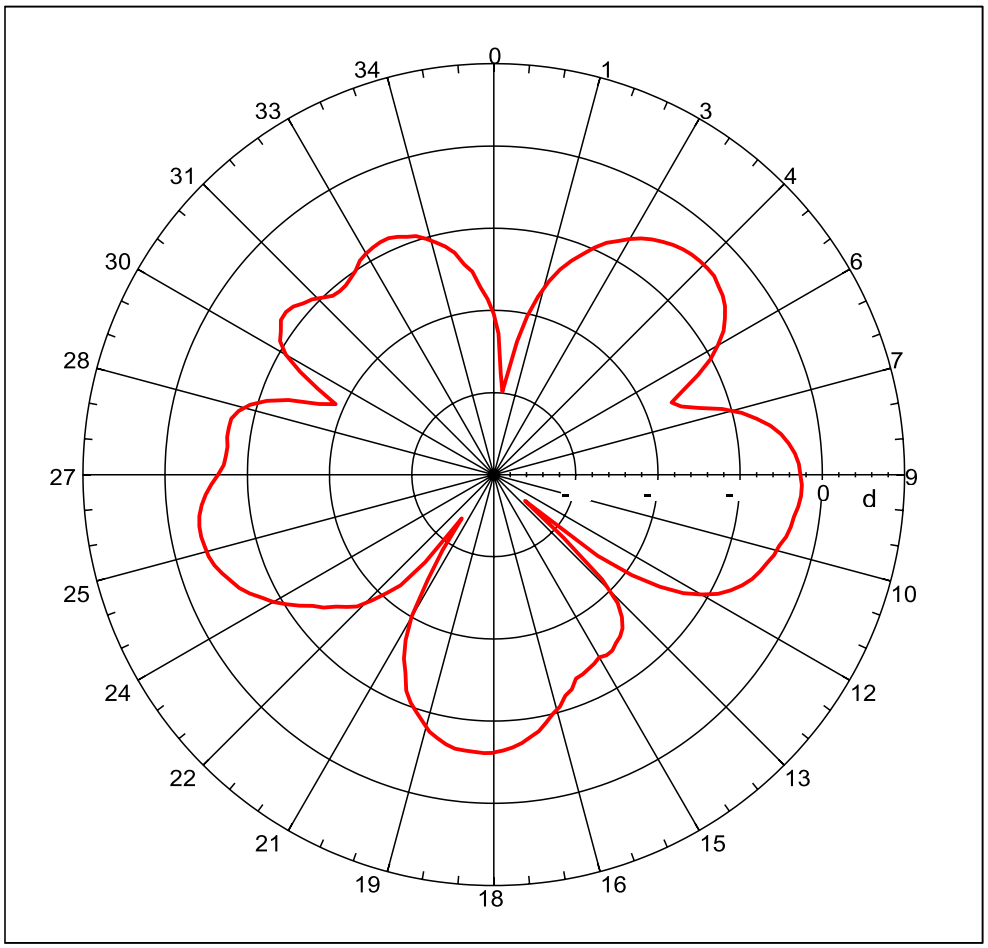


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -1.77447 dBi
Max far-field (global) = -43.53286 dB, Max far-field (plot) =-43.53288 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 113.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -8.131 dB -3. dB beam width: 45.68 deg -6. dB beam width: 62.24 deg -10. dB beam width: 76.75 deg
Left Sidelobe: -4.80 dB at 45.251 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8425 GHz Azimuth Elevation Single-pol

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E Plane 1922.5MHz: -2.4728dBi

Far-field amplitude of 20170322-A-E.nsi

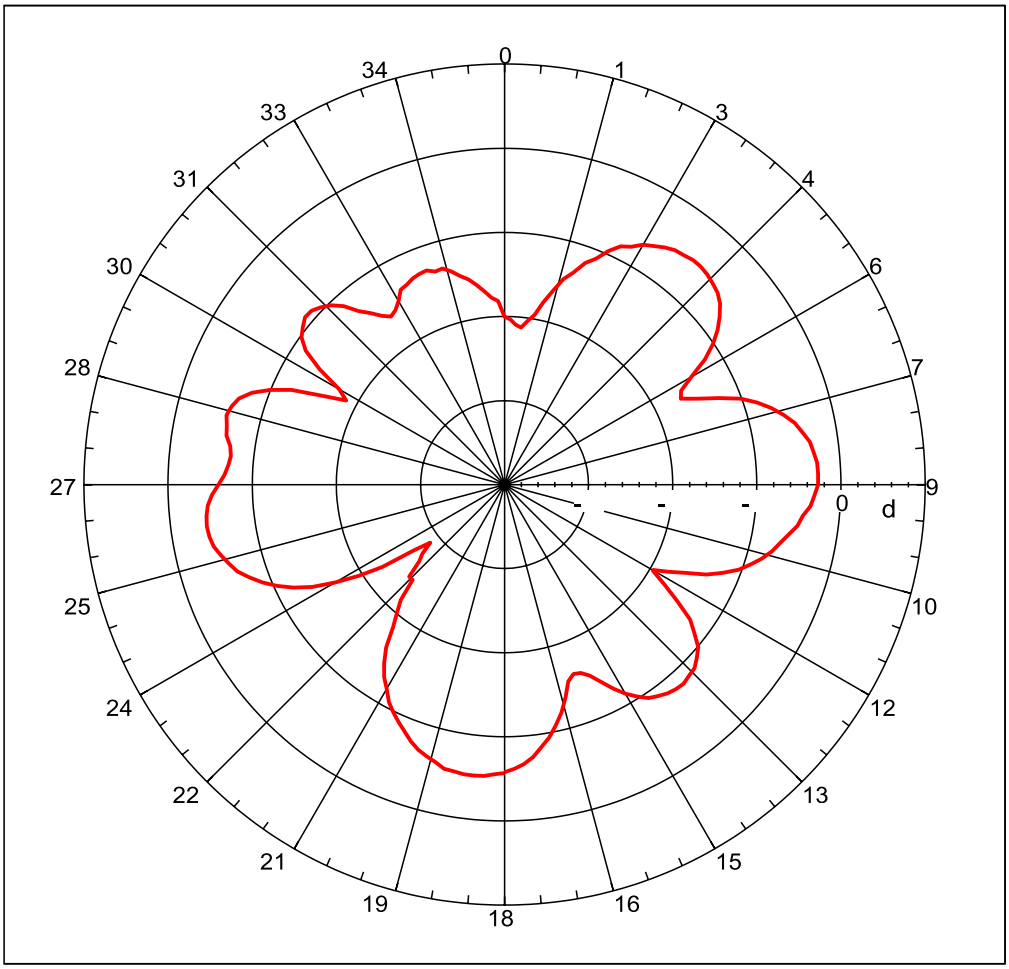


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.4728 dBi
Max far-field (global) = -49.9763 dB, Max far-field (plot) = -49.9764 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 91.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-E NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -9.135 dB -3. dB beam width: 29.38 deg -6. dB beam width: 40.67 deg -10. dB beam width: 48.98 deg
Left Sidelobe: -1.38 dB at 47.263 deg Right Sidelobe: -11.61 dB at 149.832 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.9225 GHz Azimuth Elevation Single-pol

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E Plane 1927.5MHz: -2.71743dBi

Far-field amplitude of 20170322-A-E.nsi

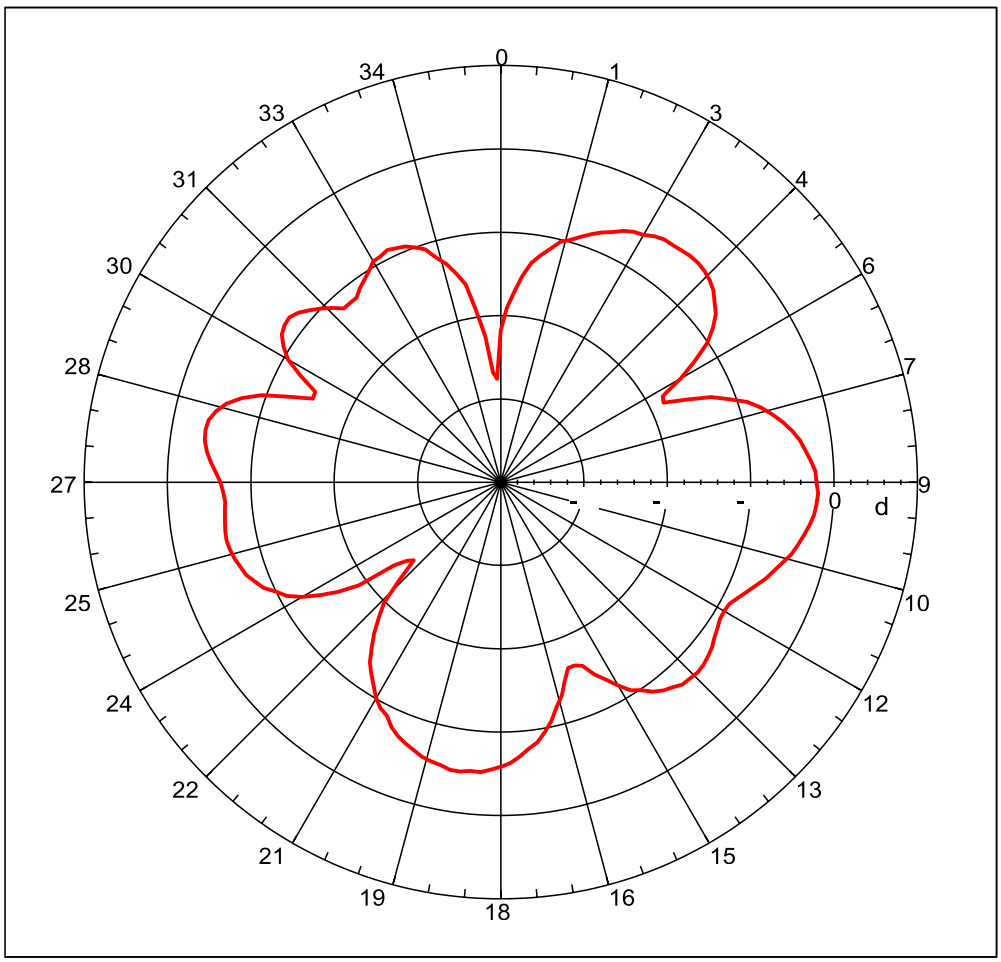


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.71743 dBi
Max far-field (global) = -50.30983 dB, Max far-field (plot) =-50.30986 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 87.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -9.631 dB -3. dB beam width: 23.98 deg -6. dB beam width: 35.52 deg -10. dB beam width: 45.25 deg
Left Sidelobe: -2.43 dB at 43.240 deg Right Sidelobe: -5.47 dB at 139.777 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.9275 GHz Azimuth Elevation Single-pol

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E Plane 1977.5MHz: -1.90289dBi

Far-field amplitude of 20170322-A-E.nsi

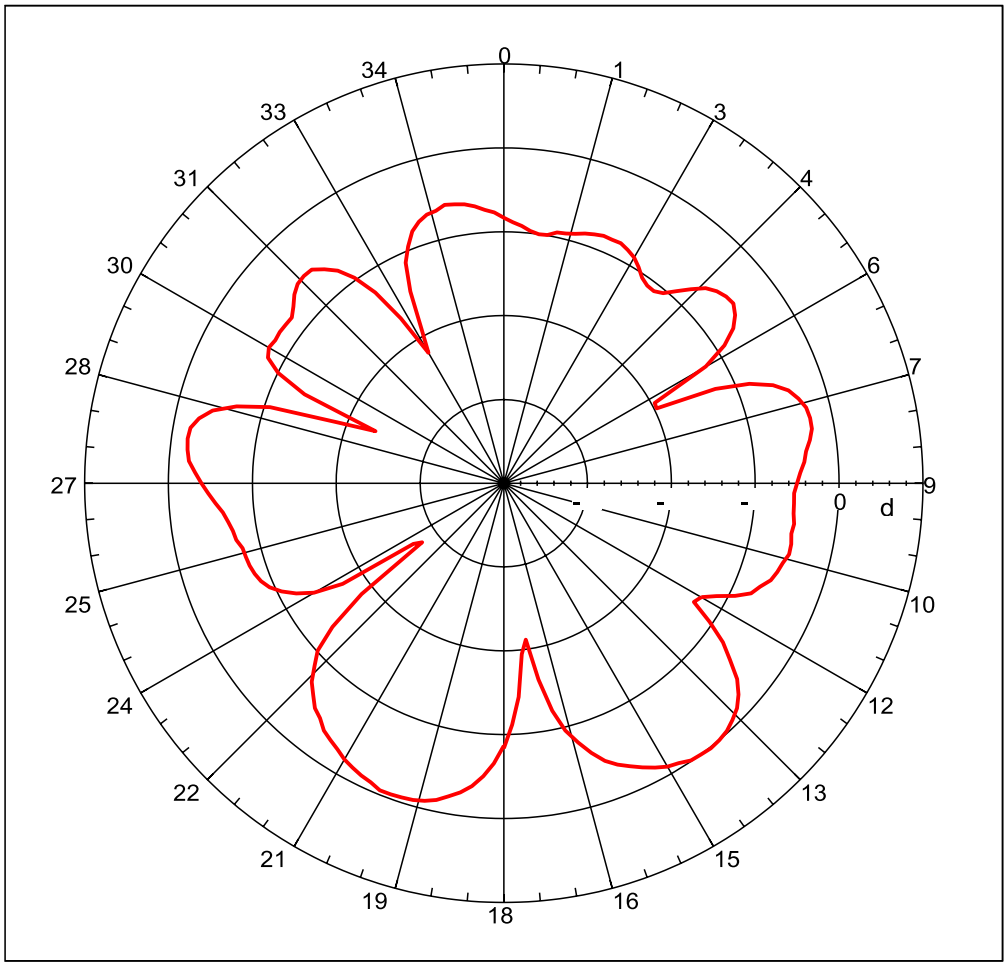


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -1.90289 dBi
Max far-field (global) = -49.78952 dB, Max far-field (plot) =-49.78963 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 91.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -8.464 dB -3. dB beam width: 27.27 deg -6. dB beam width: 41.50 deg -10. dB beam width: 81.67 deg
Left Sidelobe: -2.69 dB at 41.229 deg Right Sidelobe: -5.24 dB at 135.754 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.9775 GHz Azimuth Elevation Single-pol

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E Plane 2550MHz: -0.12078dBi

Far-field amplitude of 20170322-A-E.nsi

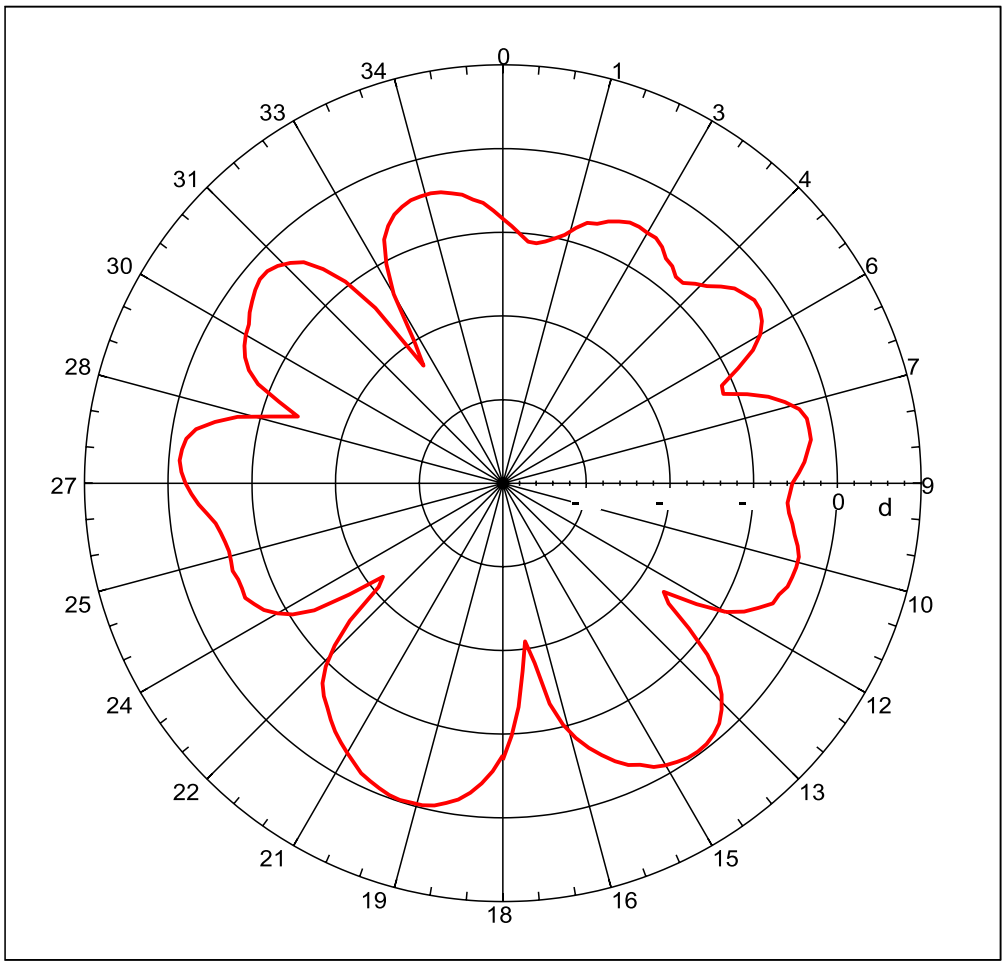


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.12078 dBi
Max far-field (global) = -50.27896 dB, Max far-field (plot) =-50.27903 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 141.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-ENSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -6.317 dB -3. dB beam width: 24.54 deg -6. dB beam width: 33.88 deg -10. dB beam width: 42.08 deg
Left Sidelobe: -5.05 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.550 GHz Azimuth Elevation Single-pol

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E Plane 2595MHz: -0.18942dBi

Far-field amplitude of 20170322-A-E.nsi

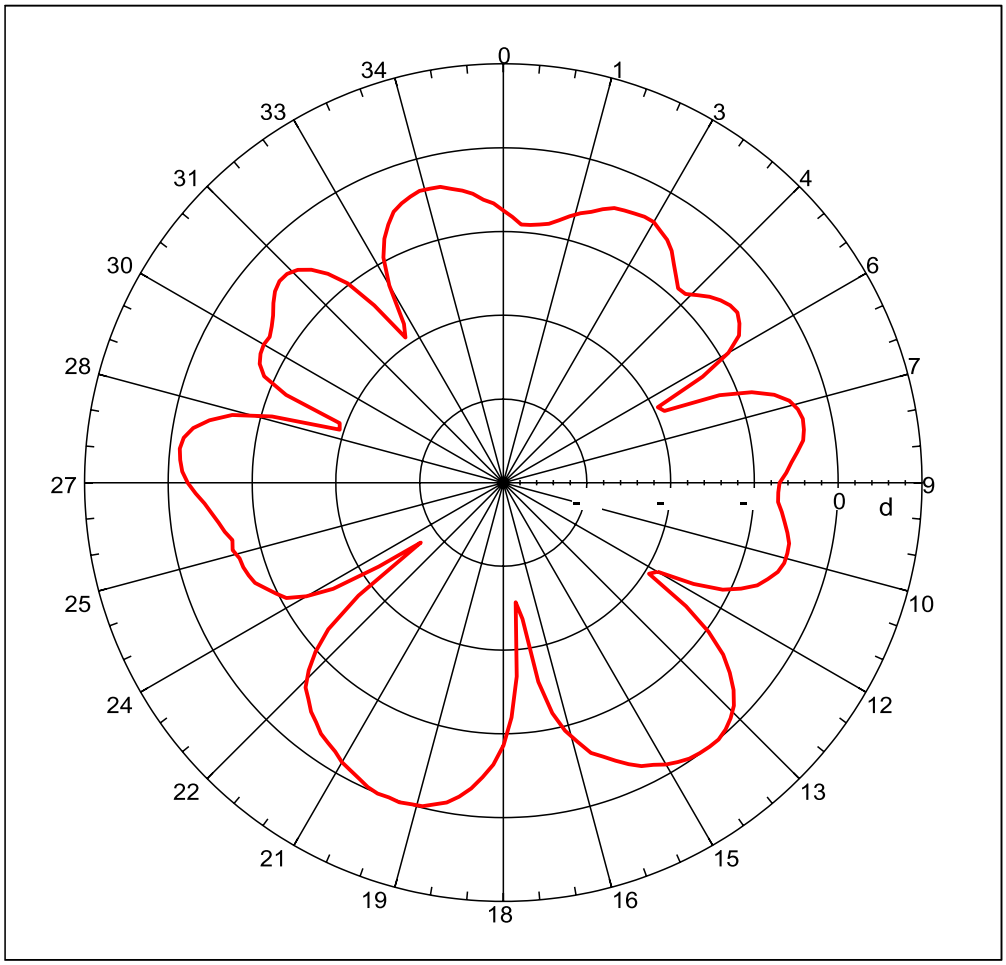


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -0.18942 dBi
Max far-field (global) = -50.56303 dB, Max far-field (plot) =-50.56315 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -162.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-E NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.461 dB -3. dB beam width: 25.91 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: Not Found Right Sidelobe: -6.12 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.595 GHz Azimuth Elevation Single-pol

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E Plane 2600MHz: -0.12801dBi

Far-field amplitude of 20170322-A-E.nsi

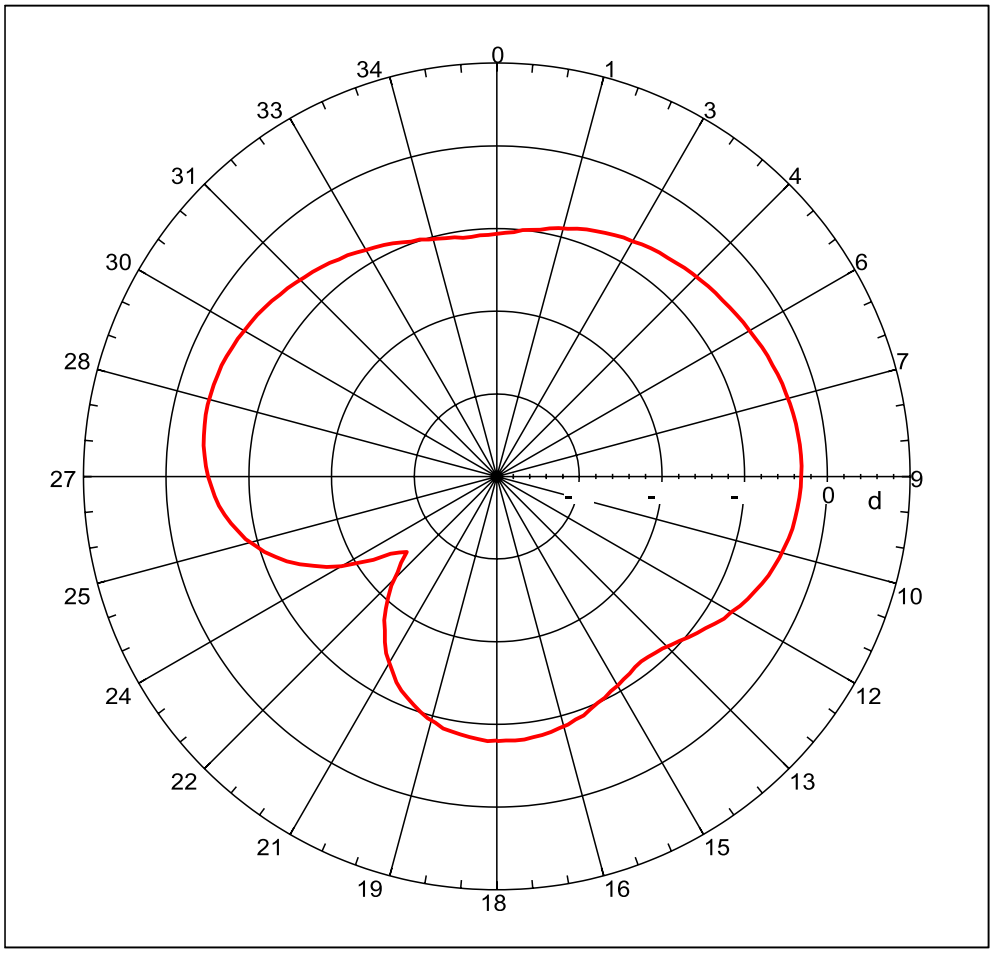


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = 0.12801 dBi
Max far-field (global) = -50.18878 dB, Max far-field (plot) =-50.18889 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -162.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-E NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-E.nsi
Measurement date/time: 3/22/2017 1:47:18 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -5.779 dB -3. dB beam width: 28.98 deg -6. dB beam width: 41.32 deg
-10. dB beam width: Not Found
Left Sidelobe: Not Found Right Sidelobe: -6.83 dB at -103.575 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.600 GHz Azimuth Elevation Single-pol

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H Plane 817.5MHz: -3.11886dBi

Far-field amplitude of 20170322-A-H.nsi

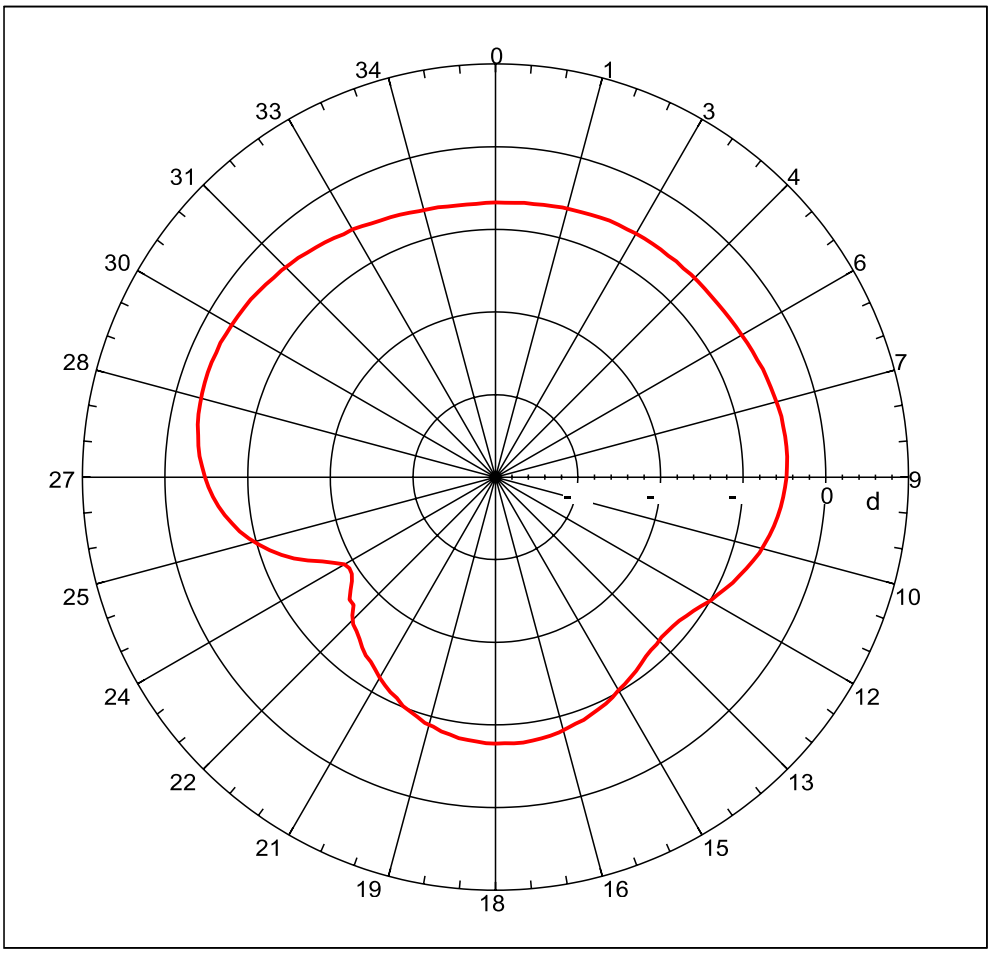


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -3.11886 dBi
Max far-field (global) = -45.55303 dB, Max far-field (plot) =-45.55304 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 87.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -7.647 dB -3. dB beam width: 74.46 deg -6. dB beam width: 114.60 deg
-10. dB beam width: Not Found
Left Sidelobe: -0.87 dB at -75.419 deg Right Sidelobe: -4.86 dB at 177.989 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8175 GHz Azimuth Elevation Single-pol

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H Plane 822.5MHz: -2.95731dBi

Far-field amplitude of 20170322-A-H.nsi

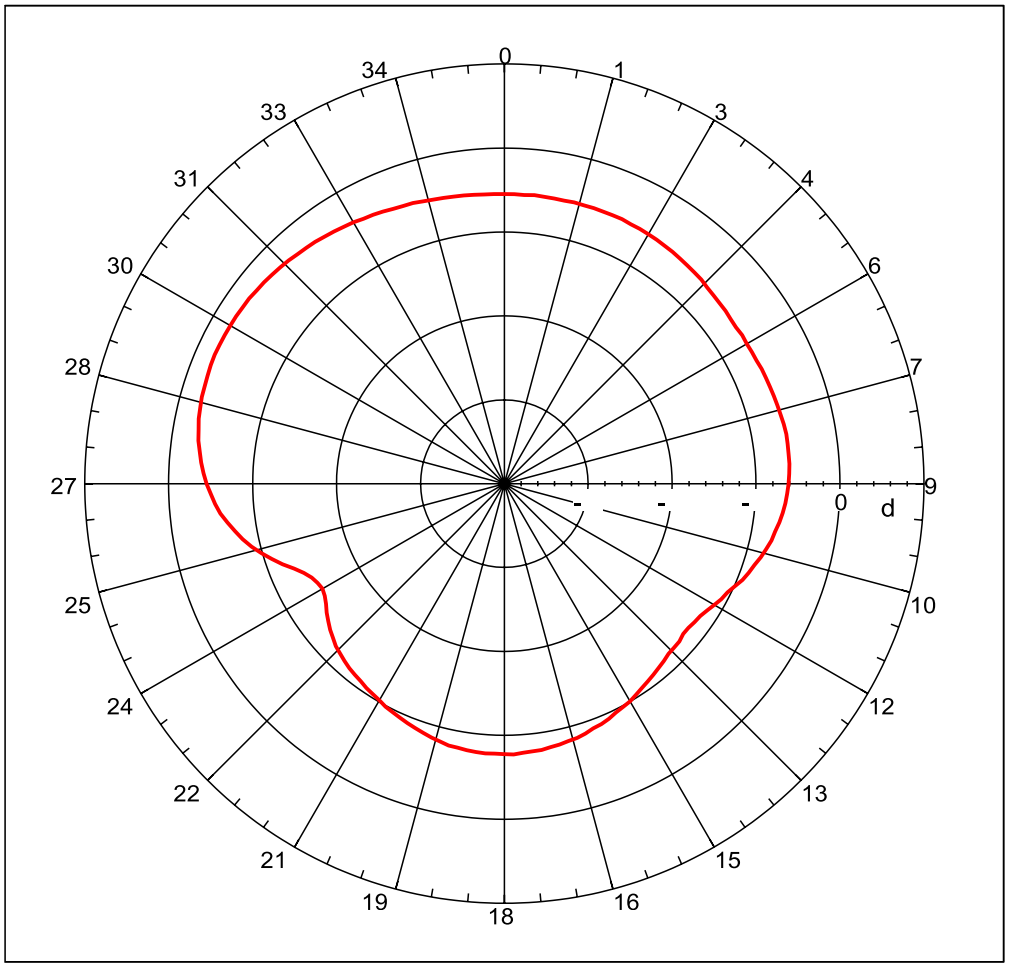


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.95731 dBi
Max far-field (global) = -45.14448 dB, Max far-field (plot) =-45.14449 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -70.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -7.121 dB -3. dB beam width: 70.75 deg -6. dB beam width: 220.09 deg
-10. dB beam width: Not Found
Left Sidelobe: Not Found Right Sidelobe: -1.66 dB at 79.441 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8225 GHz Azimuth Elevation Single-pol

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H Plane 827.5MHz: -2.23798dBi

Far-field amplitude of 20170322-A-H.nsi

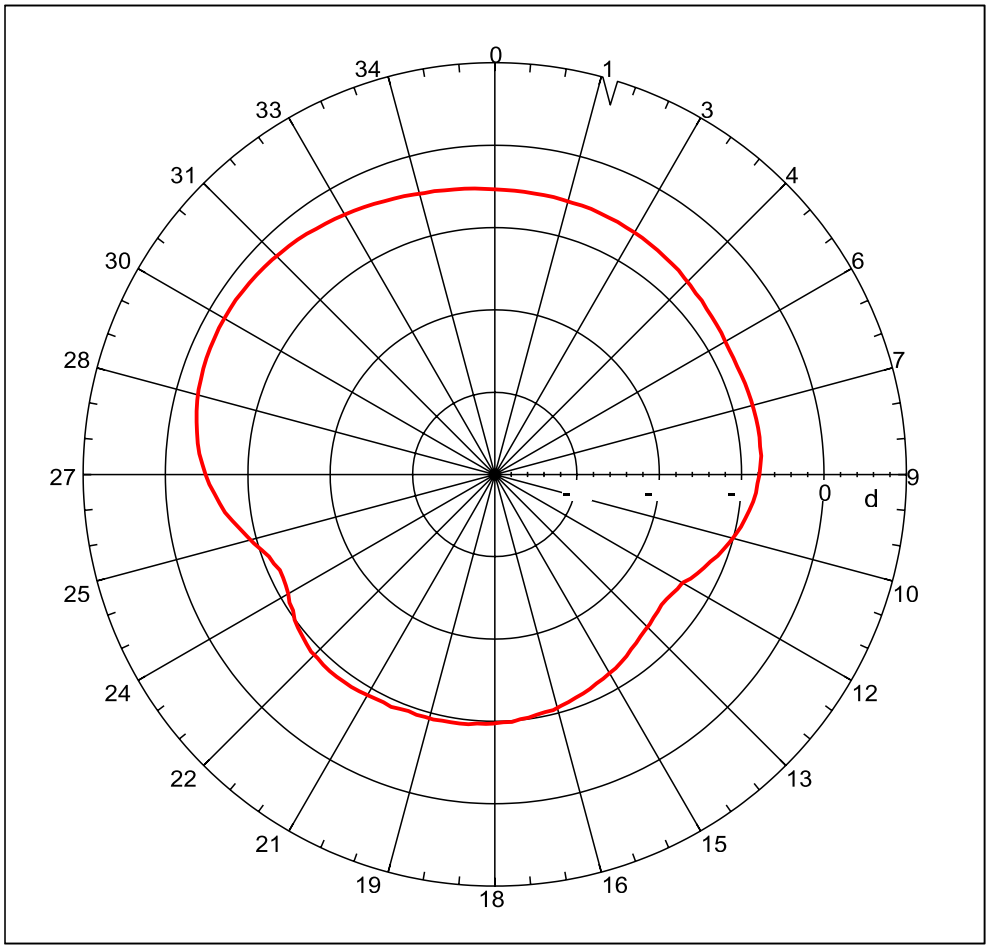


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.23798 dBi
Max far-field (global) = -44.34315 dB, Max far-field (plot) =-44.34317 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -66.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -6.776 dB -3. dB beam width: 82.25 deg -6. dB beam width: 209.61 deg -10. dB beam width: Not Found
Left Sidelobe: -5.55 dB at -175.978 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8275 GHz Azimuth Elevation Single-pol

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H Plane 832.5MHz: -2.08714dBi

Far-field amplitude of 20170322-A-H.nsi

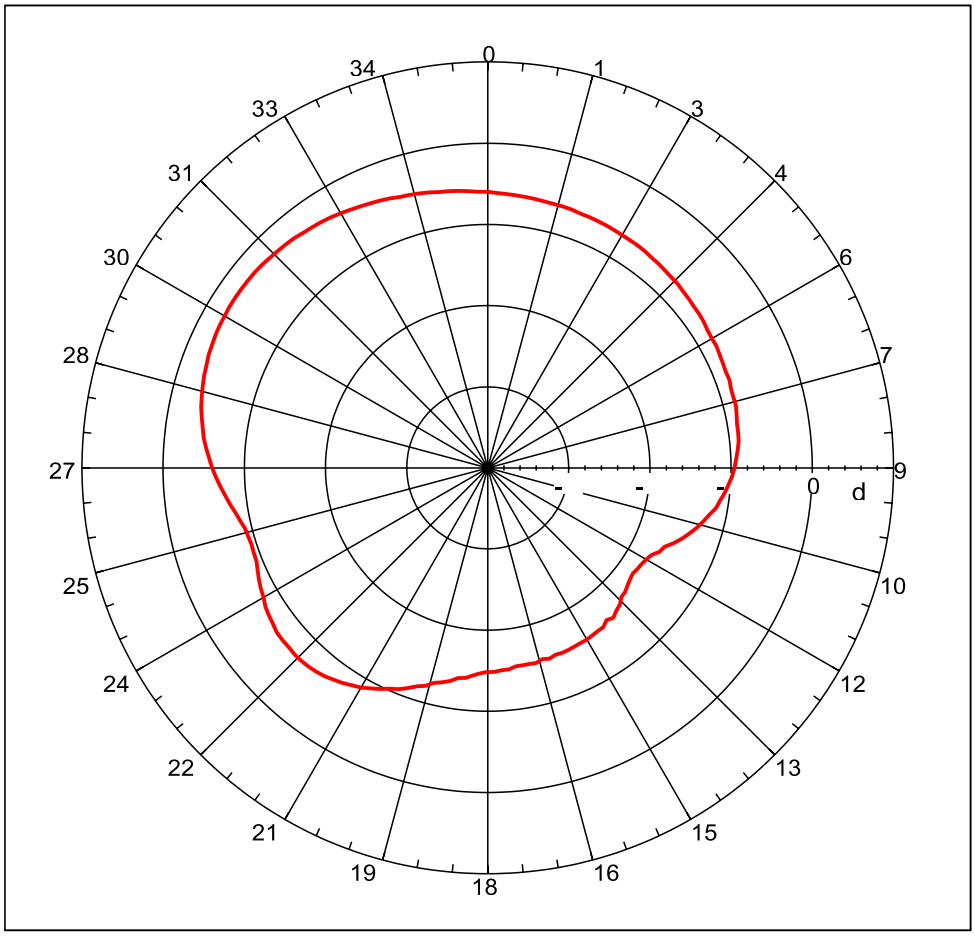


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.08714 dBi
Max far-field (global) = -44.07531 dB, Max far-field (plot) =-44.07532 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -62.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -7.101 dB -3. dB beam width: 84.55 deg -6. dB beam width: 194.74 deg
-10. dB beam width: Not Found
Left Sidelobe: -6.93 dB at -133.743 deg Right Sidelobe: -7.81 dB at 177.989 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8325 GHz Azimuth Elevation Single-pol

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H Plane 837.5MHz: -2.49298dBi

Far-field amplitude of 20170322-A-H.nsi

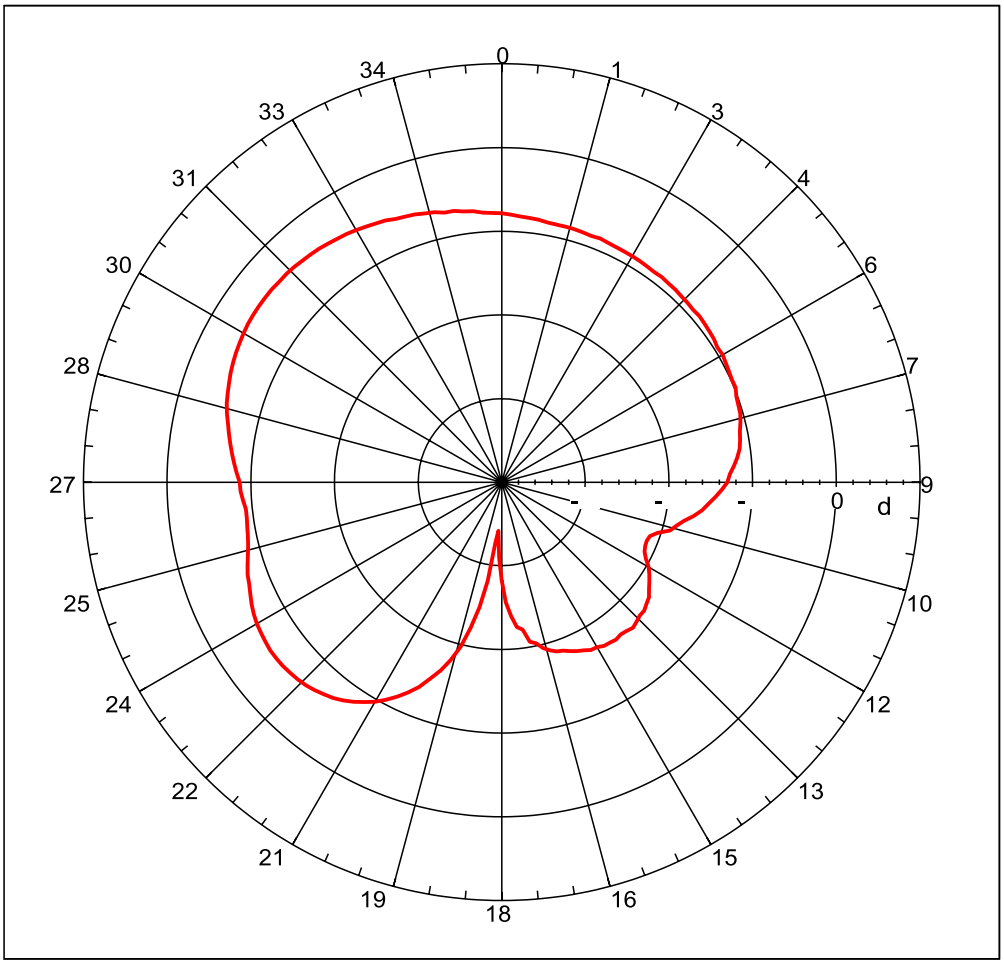


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.49298 dBi
Max far-field (global) = -44.32326 dB, Max far-field (plot) =-44.32327 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -56.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -7.957 dB -3. dB beam width: 77.42 deg -6. dB beam width: 177.61 deg -10. dB beam width: 270.25 deg
Left Sidelobe: -4.46 dB at -133.743 deg Right Sidelobe: -13.42 dB at 141.788 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8375 GHz Azimuth Elevation Single-pol

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H Plane 842.5MHz: -4.15625dBi

Far-field amplitude of 20170322-A-H.nsi

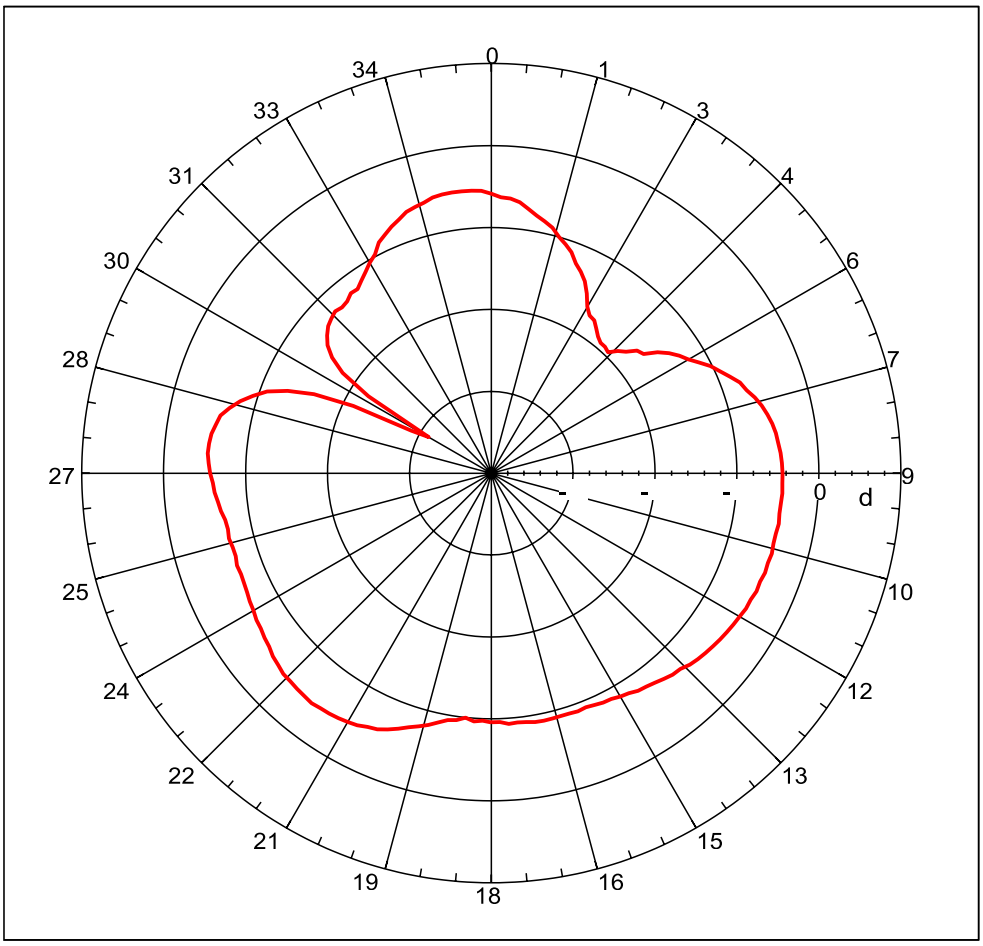


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -4.15625 dBi
Max far-field (global) = -45.91464 dB, Max far-field (plot) =-45.91465 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -50.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -9.694 dB -3. dB beam width: 72.28 deg -6. dB beam width: 222.62 deg -10. dB beam width: 253.51 deg
Left Sidelobe: -1.65 dB at -125.698 deg Right Sidelobe: -12.42 dB at 139.777 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
0.8425 GHz Azimuth Elevation Single-pol

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H Plane 1922.5MHz: -4.35183dBi

Far-field amplitude of 20170322-A-H.nsi

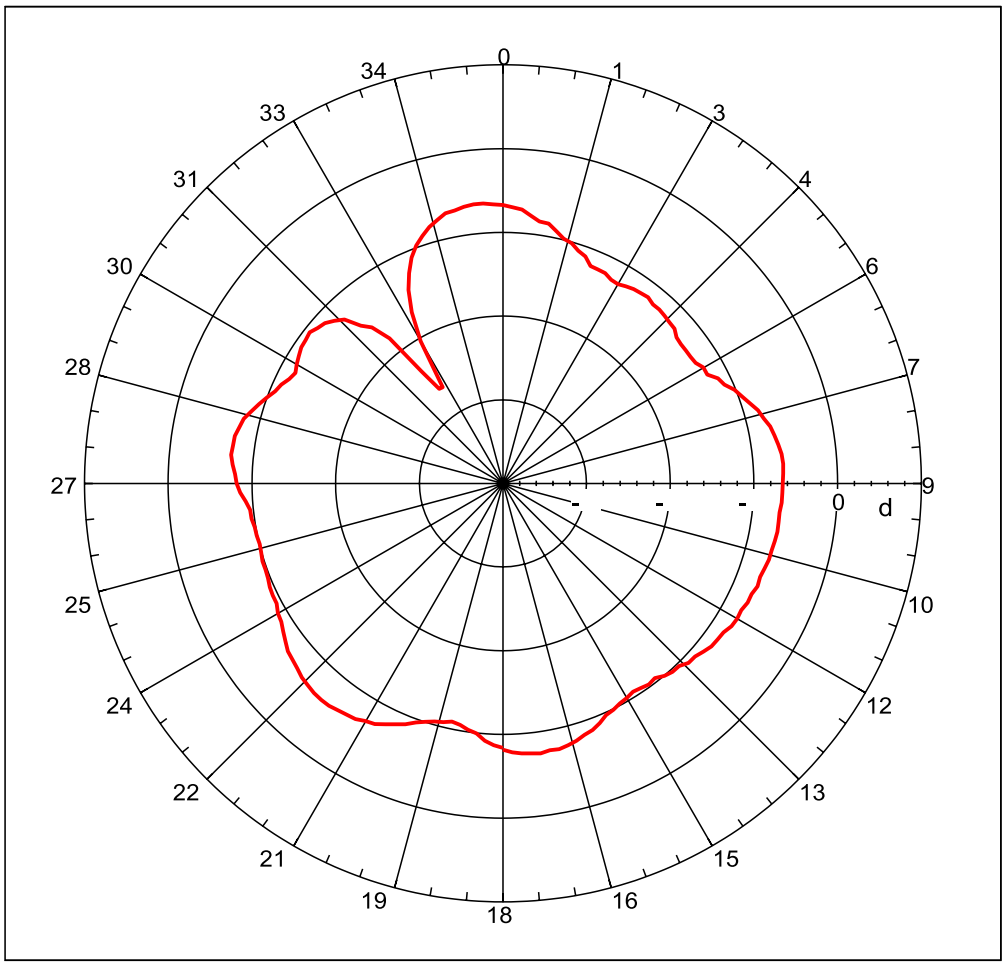


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -4.35183 dBi
Max far-field (global) = -51.85533 dB, Max far-field (plot) =-51.8554 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: 99.99999 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -7.928 dB -3. dB beam width: 69.74 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: -1.06 dB at -5.028 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.9225 GHz Azimuth Elevation Single-pol

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H Plane 1927.5MHz: -6.25006dBi

Far-field amplitude of 20170322-A-H.nsi

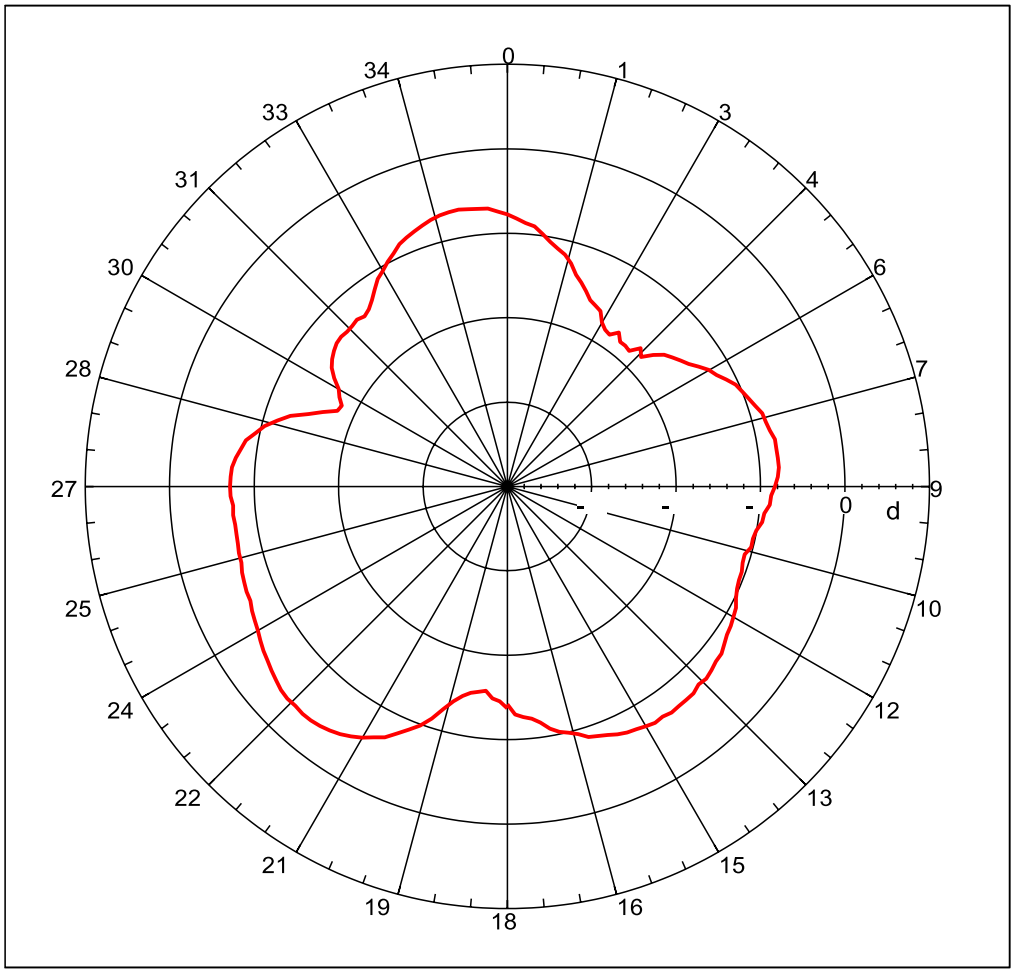


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -6.25006 dBi
Max far-field (global) = -53.84246 dB, Max far-field (plot) =-53.8425 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -140.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -9.228 dB -3. dB beam width: 40.37 deg -6. dB beam width: Not Found
-10. dB beam width: Not Found
Left Sidelobe: Not Found Right Sidelobe: -1.13 dB at -83.464 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.9275 GHz Azimuth Elevation Single-pol

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H Plane 1977.5MHz: -3.77259dBi

Far-field amplitude of 20170322-A-H.nsi

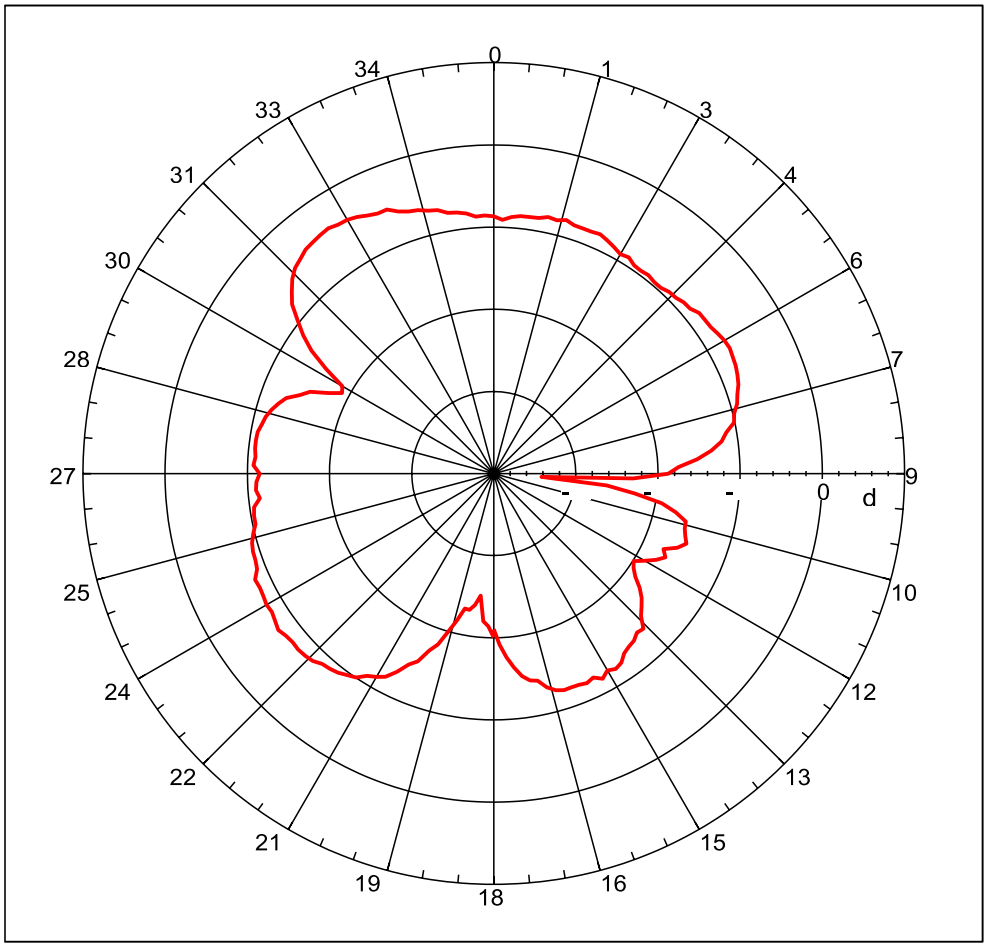


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -3.77259 dBi
Max far-field (global) = -51.65922 dB, Max far-field (plot) =-51.65929 dB
Normalization: Reference, Network offset = 0.000 dB
Hpeak at: -138.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -9.428 dB -3. dB beam width: 42.47 deg -6. dB beam width: 82.78 deg -10. dB beam width: 95.31 deg
Left Sidelobe: Not Found Right Sidelobe: -9.75 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
1.9775 GHz Azimuth Elevation Single-pol

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H Plane 2550MHz: -4.01087dBi

Far-field amplitude of 20170322-A-H.nsi

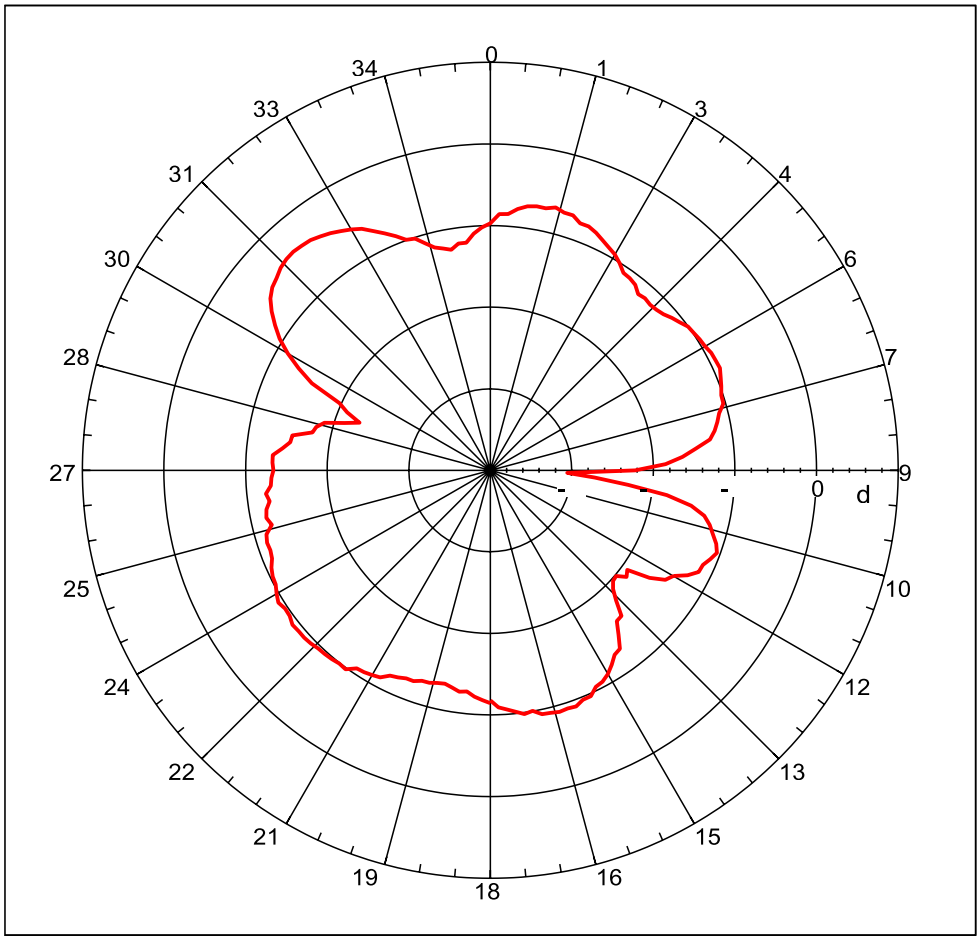


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -4.01087 dBi
Max far-field (global) = -54.41061 dB, Max far-field (plot) =-54.41067 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: -34.00001 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -10.628 dB -3. dB beam width: 34.23 deg -6. dB beam width: 130.32 deg -10. dB beam width: 142.04 deg
Left Sidelobe: -6.79 dB at -81.453 deg
Right Sidelobe: -4.08 dB at 13.073 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.550 GHz Azimuth Elevation Single-pol

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H Plane 2595MHz: -3.942dBi

Far-field amplitude of 20170322-A-H.nsi

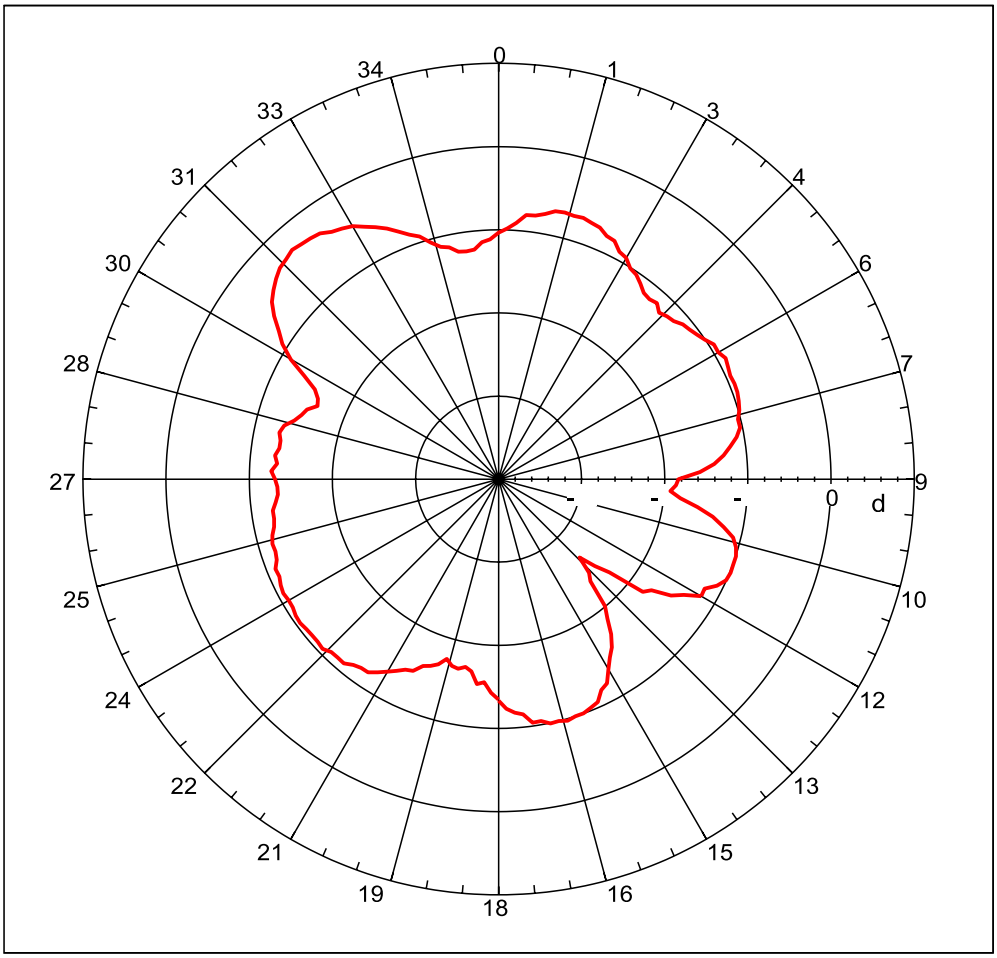


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -3.942 dBi
Max far-field (global) = -54.31561 dB, Max far-field (plot) =-54.31565 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: -42.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis:Avg value: -10.782 dB -3. dB beam width: 27.21 deg -6. dB beam width: 38.63 deg -10. dB beam width: 146.49 deg
Left Sidelobe: -9.35 dB at -87.486 deg Right Sidelobe: -3.21 dB at 11.061 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.595 GHz Azimuth Elevation Single-pol

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H Plane 2600MHz: -2.90808dBi

Far-field amplitude of 20170322-A-H.nsi

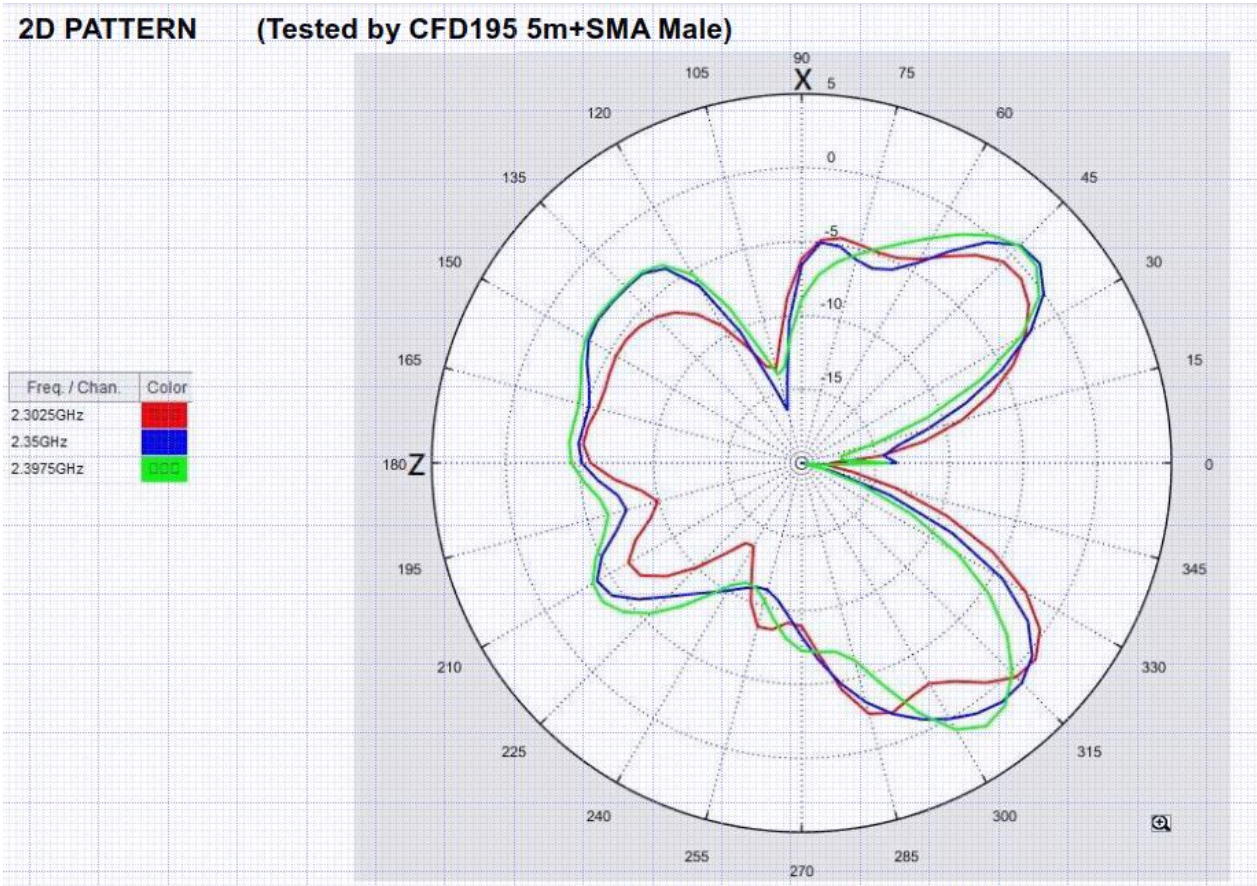


Far-field amplitude, Eprincipal: Linear, Tau = 0.000 deg Gain = -2.90808 dBi
Max far-field (global) = -53.22487 dB, Max far-field (plot) =-53.22493 dB
Normalization: Reference, Network offset = 0.000 dB Hpeak at: -42.000 deg, Vpeak at: 0.000 deg
Plot centering: On 20170322-A-H NSI2000 V4.0.124, Filename:C:\Documents and Settings\NSI\Desktop\20170322-A\20170322-A-H.nsi
Measurement date/time: 3/22/2017 1:27:21 PM, Filetype: NSI-97
Far-field Cut Analysis: Avg value: -10.855 dB -3. dB beam width: 25.76 deg -6. dB beam width: 38.06 deg
-10. dB beam width: 146.52 deg
Left Sidelobe: -10.16 dB at -77.430 deg Right Sidelobe: -4.05 dB at 15.084 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 = 2.000deg
Elevation (deg)Center = 0.000 deg, #pts = 1
Selected beam(s) 1 of 12 Beam Frequency Azimuth Elevation Pol
---- --------- ------- --------- ---
2.600 GHz Azimuth Elevation Single-pol

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（追加試験:2023 年 2 月）

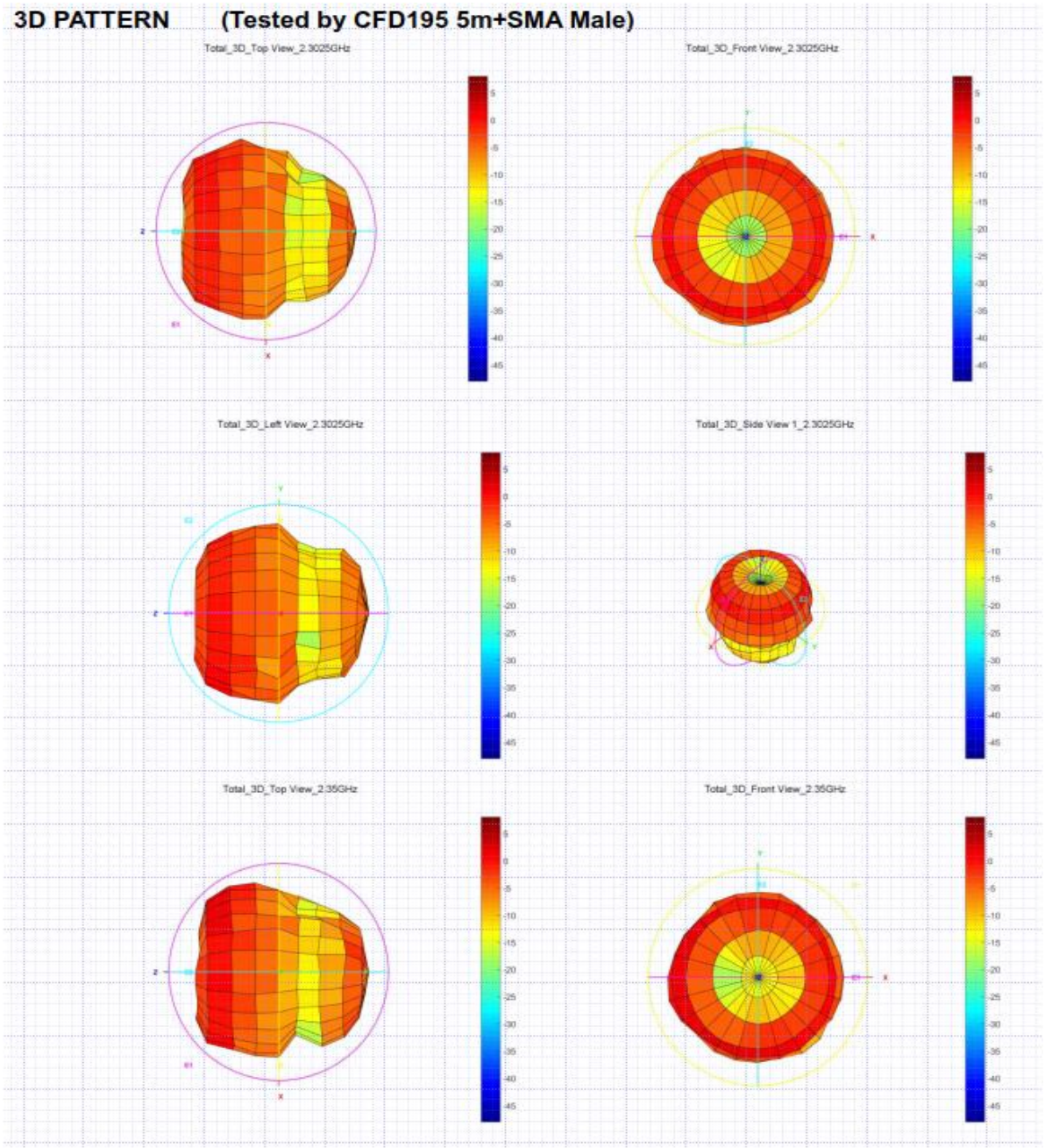
2D PATTERN (Tested by CFD195 5m+SMA Male)



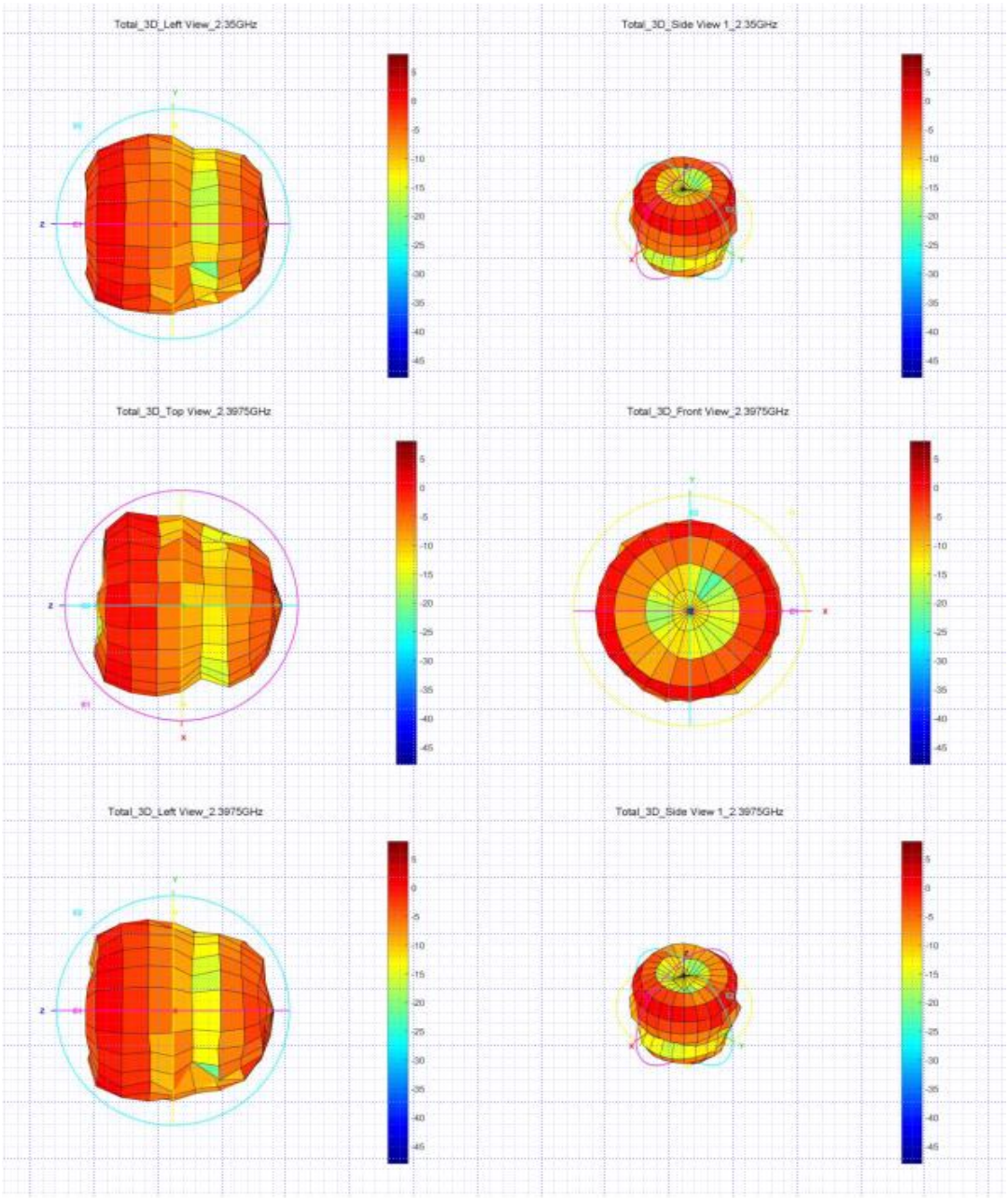
Frequency	2.3025GHz	2.35GHz	2.3975GHz
Horizontal+Vertical			
Efficiency (%)	33.04	38.02	37.33
Gain (dBi)	1.35	2.24	1.67
Horizontal			
H Efficiency (%)	31.05	35.4	34.43
H Gain (dBi)	1.32	2.15	1.6
Vertical			
V Efficiency (%)	1.99	2.56	2.94
V Gain (dBi)	-8.64	-8.1	-8.27

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3D PATTERN (Tested by CFD195 5m+SMA Male)



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■ 3.5m 延長ケーブル iEC3.5M 仕様

納入仕様書

Model：iEC3.5M

3.5m Extension Cable

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Index:

1. Revision History / Page 3

2. Specification / Page 4

3. Characteristics and Reliability Test / Page 5

4. S Parameter Test Data / Page 6

5. Mechanical and Packing Drawing / Page 7 ~ 8

6. Material Description and RoHS Test Report / Page 9 ~ end

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1. Revision History

Revision	Date	Change Notification	Description
1.0	2025.09.29	First Edition	

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2. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	DC~ 6 GHz
Impedance	50 Ohm
V.S.W.R.	<= 1.8
Insertion Loss	4.5 dB
Voltage (breakdown)	> 500V
Insulation Resistance	>= 500 M ohm
B. Mechanical Characteristics	
Pull Test of Connector	>= 3 Kg
Mating Cycles	> 500
C. Environmental	
Operation Temperature	- 40 ˚C ~ + 75 ˚C
Storage Temperature	- 40 ˚C ~ + 80 ˚C

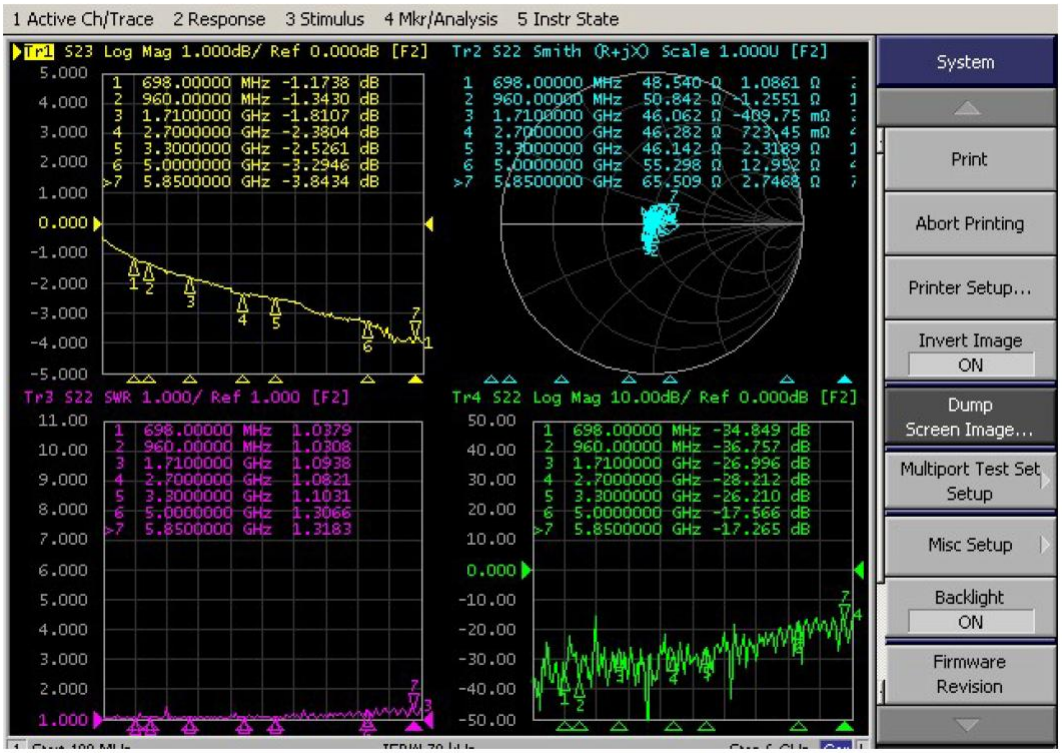
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3. Characteristics and Reliability Test

Test Items 測試項目		Test Condition and Procedure 測試方法	Requirements 要求	Result 結果
C1	V.S.W.R. 電壓駐波比	Set DUT on Network Analyzer; make individual calibration to test 設置網路分析儀參數進行測試	Directive DUT specification 符合待測物規範	PASS
C2	Insertion Loss 插入損失	Set DUT on Network Analyzer; make individual calibration to test 設置網路分析儀參數進行測試	Directive DUT specification 符合待測物規範	PASS
M4	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal .單獨定義產品端子拉力	1. Directive DUT specification 2. Frequency Tol.≤5% 符合待測物規範;頻率偏移≤5%	PASS
M6	Dimension 尺寸	Inspection of dimension, color, material, package, surface process.檢查尺寸,顏色,材料,包裝,表面處理	Directive DUT specification 符合待測物規範	PASS
E2	Salt Spray 鹽霧	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H 溫度 35°C;濕度≥95%;鹽水濃度≥5%;測試 24H	1. No Visual Damage 2. Frequency Tol.≤5% 無明顯外觀不良;頻率偏移≤5%	PASS
E3	Temperature and Humidity Chamber 恒溫恒濕	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H 溫度 80°C 測試 12H 轉-40°C 測試 12H;濕度≥ 90%;時間 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 恢復 2H 後, 無明顯外觀不良;頻率偏移≤5%	PASS
E5	Aging test 老化	GB /T 2423.2 - 2008 Temp: 80°C; Time: 24 hours 溫度 80° C, 測試 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 無明顯外觀不良;頻率偏移≤5%	PASS
R1	RoHS	With Reference to IEC 62321:2008 with flow chart 參考 IEC 62321 測試流程	Directive RoHS 2011/65/EU 符合 RoHS 2011/65/EU 標準	PASS
R2	PFOS	With Reference to USA EPA 3550C:1996 by LC/MS 參考 USA EPA 3550C 測試流程	Directive RoHS 2006/122/EC 符合 RoHS 2011/65/EU 標準	PASS

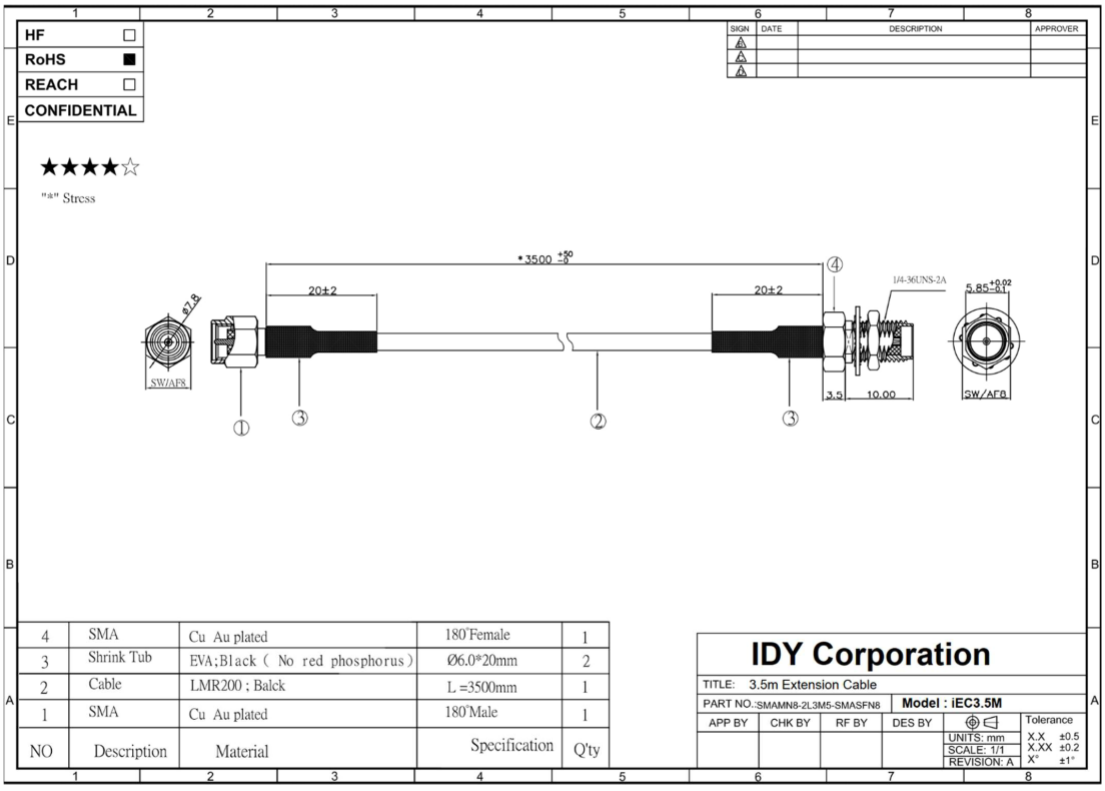
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4. S Parameter Test Data



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5. Mechanical and Packing Drawing



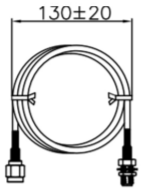
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PACKING CRITERION

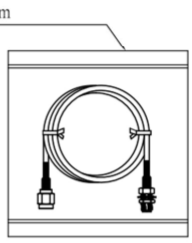
Date:2025.09.10

Part Number : iEC3.5M	Revision :A
Name: Cable	

一

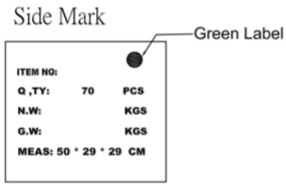


二

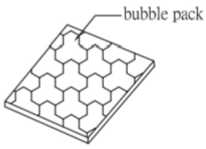


1PCS/per Bag

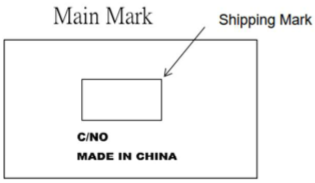
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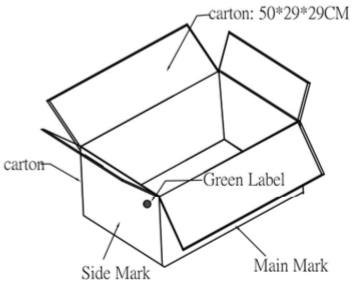


四



五





70pcs per Carton

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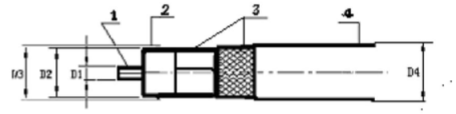
6. Material Description and RoHS Test Report

穗格 WWW.SUIRONGCABLE.COM 深圳市穗榕同轴电缆科技有限公司

S.R Code: 19082702

LMR-200 Coaxial Cable Specification

（ LMR-200 同轴电缆规格书）

Type of coaxial cable: LMR-200					
Legend:					
LMR-200: 1.Inner conductor 内导体 2. Insulation 电缆芯线 3.Outer conductor 外导体 4. Jacket 护套					
Main Electrical properties:					
Characteristic impedance	阻抗	50±2Ohm			
Rated capacitance	电容	78±2 pf/m			
Velocity	速比	81%			
Operating frequency	工作频率	10~3000MHz			
Attenuation at typical frequencies:（dB/m）					
400MHz	900 MHz	1500 MHz	2100MHz	3000MHz	6000MHz
0.220	0.341	0.450	0.551	0.639	1.32
VSWR 10~3000MHz	电压驻波比	1.30Max.			
Mechanical Construction:					
Inner conductor: BC	裸铜线	1.12±0.005mm			
Dielectric:foam PE	绝缘 LLDPE	2.95±0.10mm			
Outer conductor: APA+TC	铝塑覆合箔＋镀锡铜线	3.70±0.12mm（16*6/0.12mm）			
Jacket : PVC Black	护套黑色 PVC	5.0±0.10mm			
Engineering data:					
Maximum Pull Tension	最大拉拔力	42 Ibs			
Minimum bending radius	最小弯曲半径	50mm			
Operating temperature	工作温度	-25~+80°C			
Reel Length	装盘长度	/			
jacket-Marking	产品标识	LOW LOSS 200 PVC COAXIAL CABLE HYT MICROWAVE SYSTEM/NFC			

SuiRong COAXIAL CABLE Co.,Ltd

制造商:深圳市穗榕同轴电缆科技有限公司
生产地:深圳市龙岗区龙西务地铺清水路清水巷 40 号

WWW.SUIRONGCABLE.COM
Tel：+86-755-28217358 Fax+86-755-28217359

2019-08-27

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SGS 大陸網站 → http://rsts.cn.sgs.com/chn/cheres_cn.asp
SGS 韓國網站 → http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

請輸入以下報告正確資料及檢查碼以便查核
1. 報告編號
2. 報告日期 (YYYY/MM/DD)
3. 產品名稱 (輸入前 10 個字不含空白)
4. 圖示檢查碼 (依指示畫面)

物料中HSF對象物質含量調查表

物料名稱：SMAMN8-2L3M5-SMASFN8 (iEC3.5M)

序號	物料型號	物料各構成名稱	各構成物料的材質	測試報告裡RoHS對應物質測試結果										檢測報告編號	測試日期	測試名稱	測試機構名稱
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP				
1	SMA	SMA Male SMA Female	銅	43	28146	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANPC25009215005	2025.04.30	Brass rod (C3604)	SGS
2			鍍金	N.D.	87	N.D.	N.D.							SZXEC25002063401	2025.06.16	Gold plating	SGS
3		Insulator	PTFE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	TAOPC24009783803	2024.12.13	TFE MOLDING POWDEF	SGS
4	HSTUBE	HSTUBE	EVA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC25012572003	2025.06.05	HEAT SHRINKABLE TUBING	SGS
5	LMR200	Cable	PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZXEC25001785002	2025.05.28	PVC 胶粒 红色 白色 黑色	SGS
6			PE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC24022240617	2024.10.22	PE	SGS
7			裸铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZXEC25000424913	2025.02.27	Copper wire	SGS
8			镀锡铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZXEC25000424905	2025.02.27	Tinned copper wire	SGS
9			AL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	NGBEC25000789619	2025.02.21	aluminium polyester foil	SGS

根據測試報告如實填寫鉛、鎘、汞、六價鉻、PBBs和PBDEs六項禁用物質的含量
包裝材料中鉛、鎘、汞、六價鉻總含量不超過100ppm，鎘的允許濃度為5ppm
歐盟ROHS指令豁免條款2015/863/EU，鋼中合金元素中的鉛含量達0.35%、鋁含量達0.4%、銅合金中的鉛含量達4%

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■ 12m 延長ケーブル（iEC12M）仕様

Product Number: iEC12M
Product Name: Coaxial Cable

Specification For Approval

Date: 2021 / 09 / 13

File No.: 210802001

Version: 1.2

IDY P/N： iEC12M

R/N： SMAMN8-2L12M-SMASFN8

Description： Coaxial Cable

Checked By:
Approved By:

Page 1

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Product Number: iEC12M
Product Name: Coaxial Cable

Index:

1. **Revision History / Page 3**
2. **Specification / Page 4**
3. **Characteristics and Reliability Test / Page 5**
4. **S Parameter Test Data / Page 6 ~ 13**
5. **Mechanical and Packing Drawing / Page 14 ~ 15**
6. **Material Description and RoHS Test Report / Page 16 ~ end**

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Product Number: iEC12M
Product Name: Coaxial Cable

1. Revision History

Revision	Date	Change Notification	Description
1.0	2020.09.25	Issued	
1.1	2021.08.02	Added Data	Increased the measurement frequency.
1.2	2021.09.13	Changed Packaging Specifications	The packaging specifications have been changed to the English version.

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Product Number: iEC12M
Product Name: Coaxial Cable

2. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	701~713MHz / 745~826 MHz 832~847MHz / 876~897MHz 867~1712MHz / 1852~1900MHz 1445~1977MHz / 1842~2687MHz 1782~2647MHz / 2400~5470MHz 3302~4197 MHz / 4402~4997 MHz 5597~5725 MHz / 1575~1561MHz
Impedance	50 Ohm
Insertion Loss	>= -4.0 dB @ 701~713MHz >= -4.0 dB @745~826 MHz >= -4.2 dB @832~847MHz >= -4.2 dB @876~897MHz >= -4.2 dB @867~952 MHz >= -5.6 dB @1430~1712MHz >= -5.5 dB @1575~1561MHz >= -6.3 dB @1852~1900MHz >= -6.3 dB @1445~1977MHz >= -8.0 dB @1842~2687MHz >= -7.0 dB @1782~2647MHz >= -12 dB @2400~5470MHz >= -10 dB @3302~4197 MHz >= -12 dB @4402~4997 MHz >= -12 dB @5597~5725 MHz
Voltage (breakdown)	> 500V
Insulation Resistance	>= 500 M ohm
B. Mechanical Characteristics	
Pull Test of Connector	>= 5Kg
Mating Cycles	> 500

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Product Number: iEC12M
Product Name: Coaxial Cable

C. Environmental	
Operation Temperature	- 25 ˚C ~ + 70 ˚C
Storage Temperature	- 30 ˚C ~ + 80 ˚C

3. Characteristics and Reliability Test

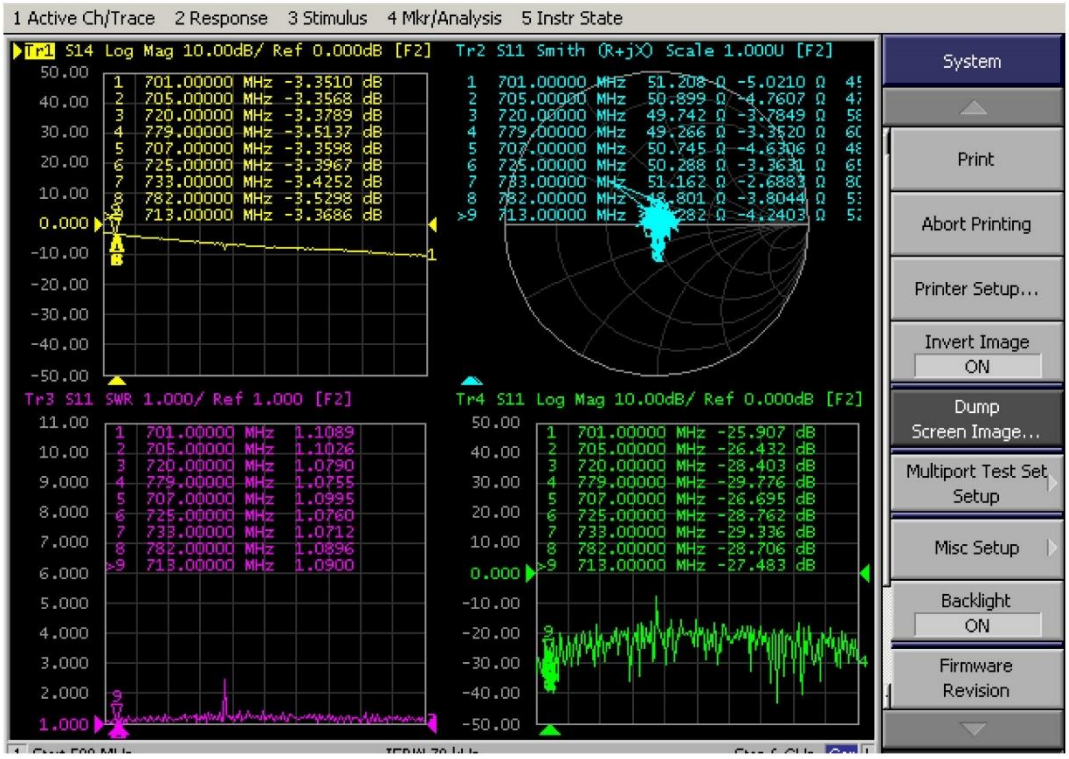
Test Items		Test Condition and Procedure	Requirements	Result
C1	V.S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification	PASS
C2	Insertion Loss	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification	PASS
M4	Pull Test	Holding with individual specification; force applied to axis of terminal.	1. Directive DUT specification 2. Frequency Tol.≤5%	PASS
M6	Dimension	Inspection of dimension, color, material, package, surface process.	Directive DUT specification	PASS
E2	Salt Spray	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H	1. No Visual Damage 2. Frequency Tol.≤5%	PASS
E3	Temperature and Humidity Chamber	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5%	PASS
E5	Aging test	GB /T 2423.2 - 2008 Temp: 80°C; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5%	PASS
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2015/863/EU	PASS

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Product Number: iEC12M
Product Name: Coaxial Cable

4. S Parameter Test Data

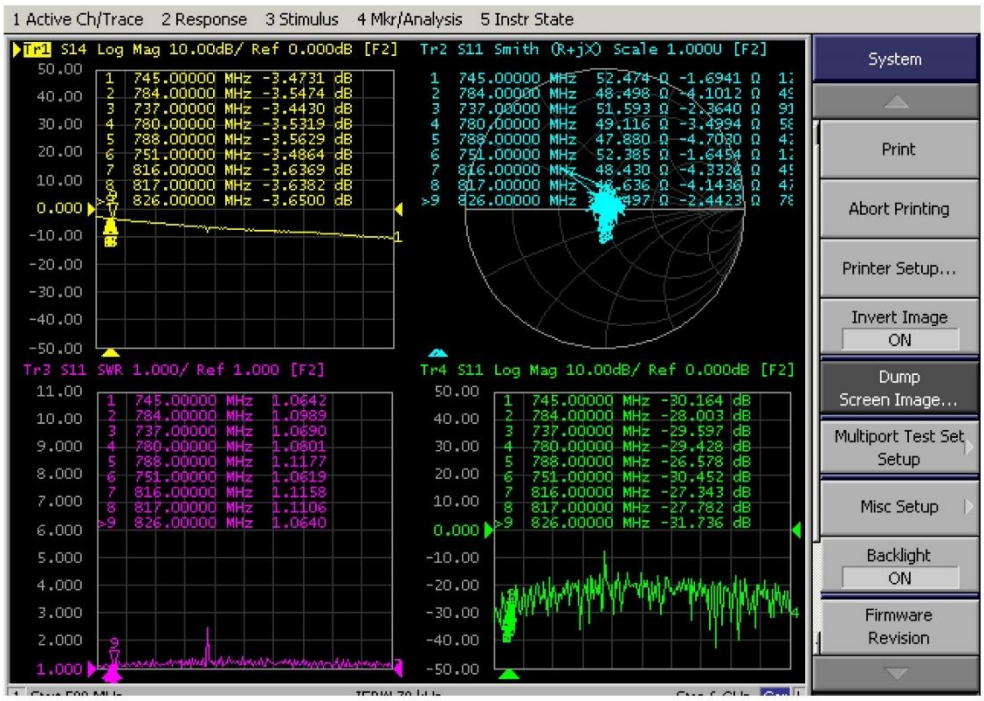
701~713MHz



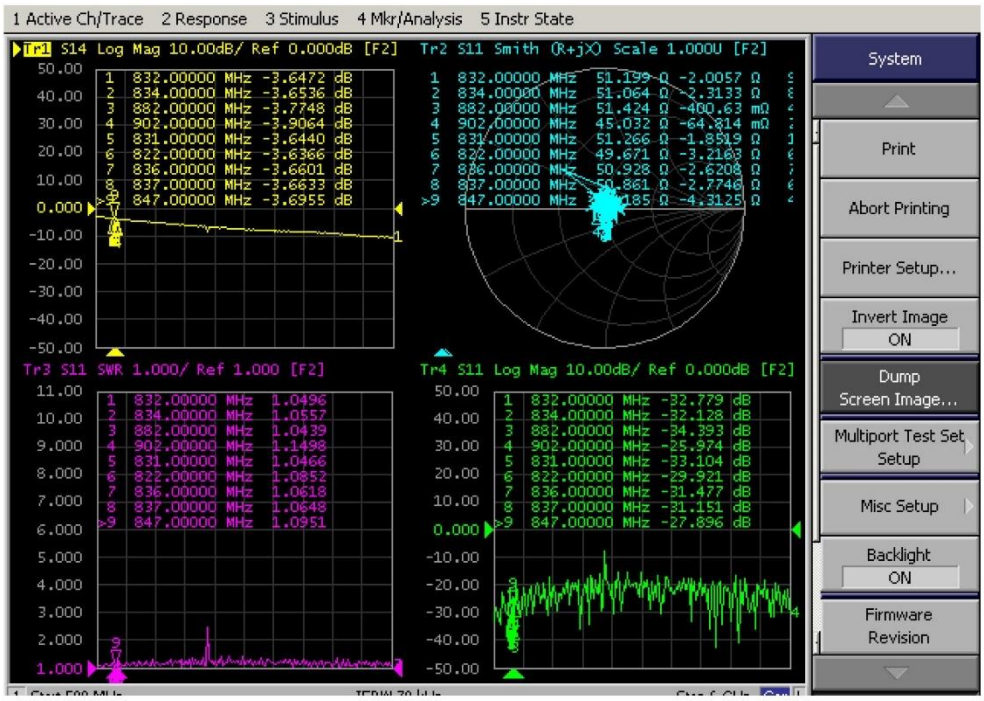
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Product Number: iEC12M
Product Name: Coaxial Cable

745~826MHz



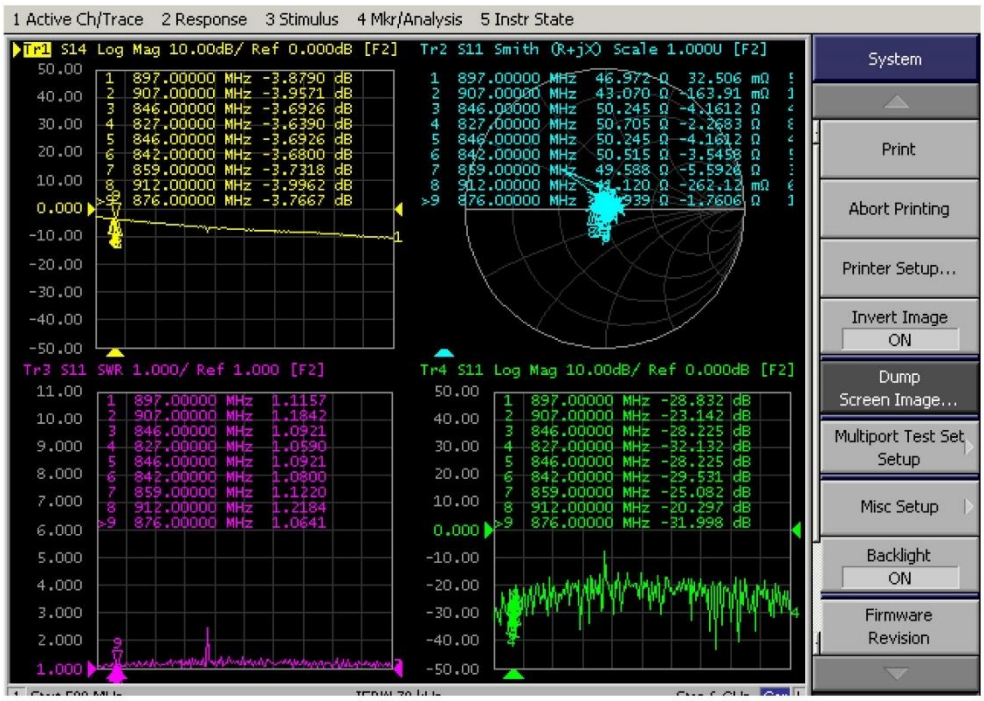
832~847MHz



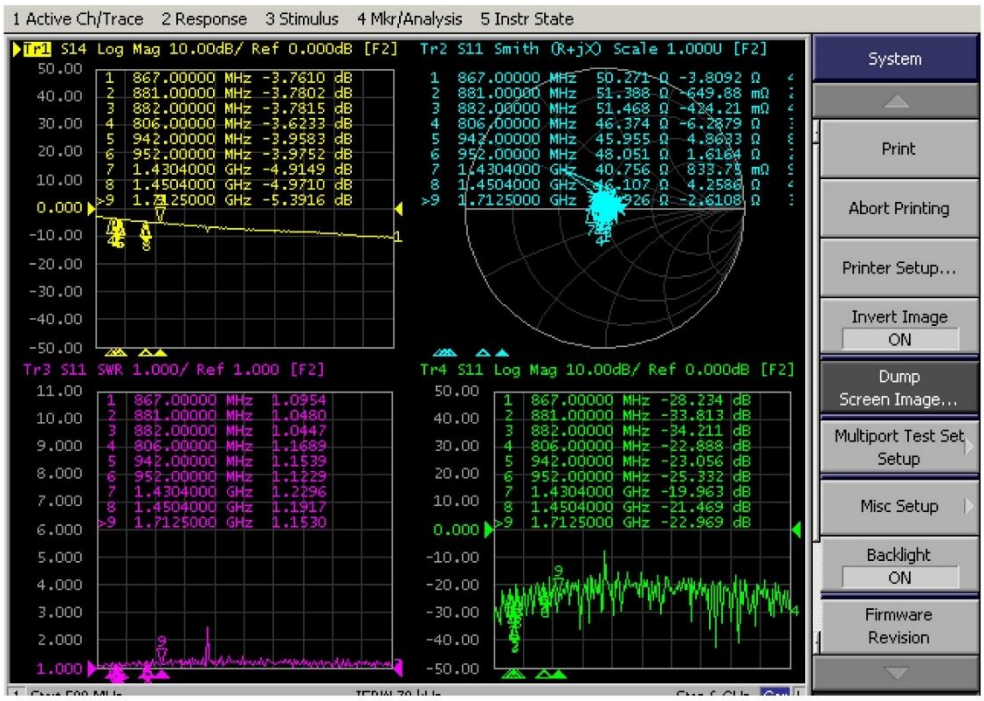
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Product Number: iEC12M
Product Name: Coaxial Cable

876~897MHz



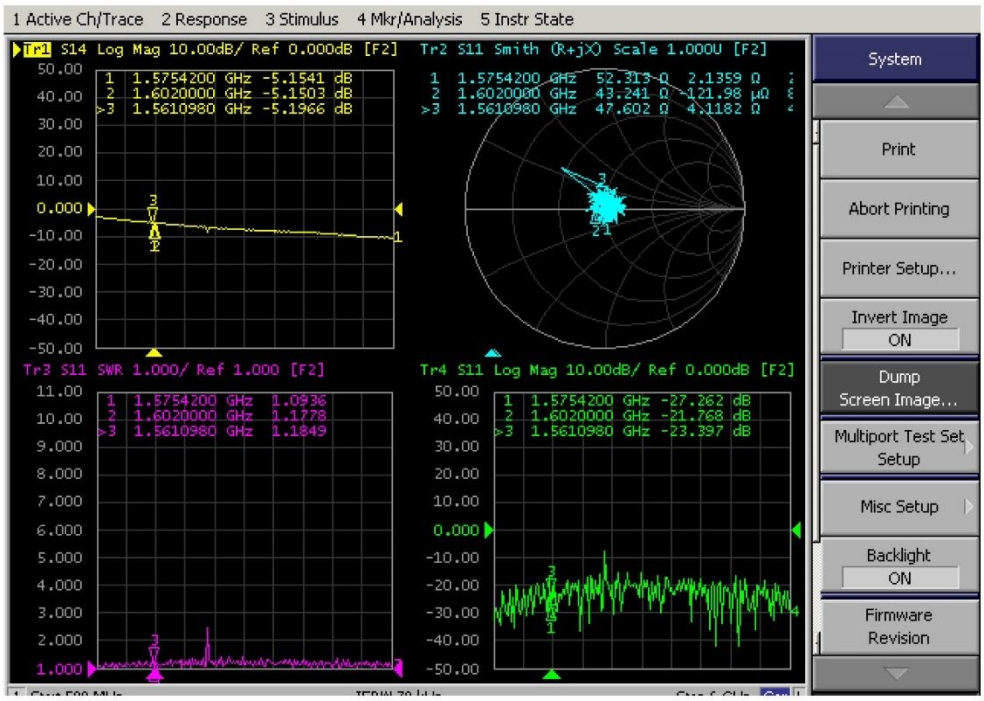
867~1712MHz



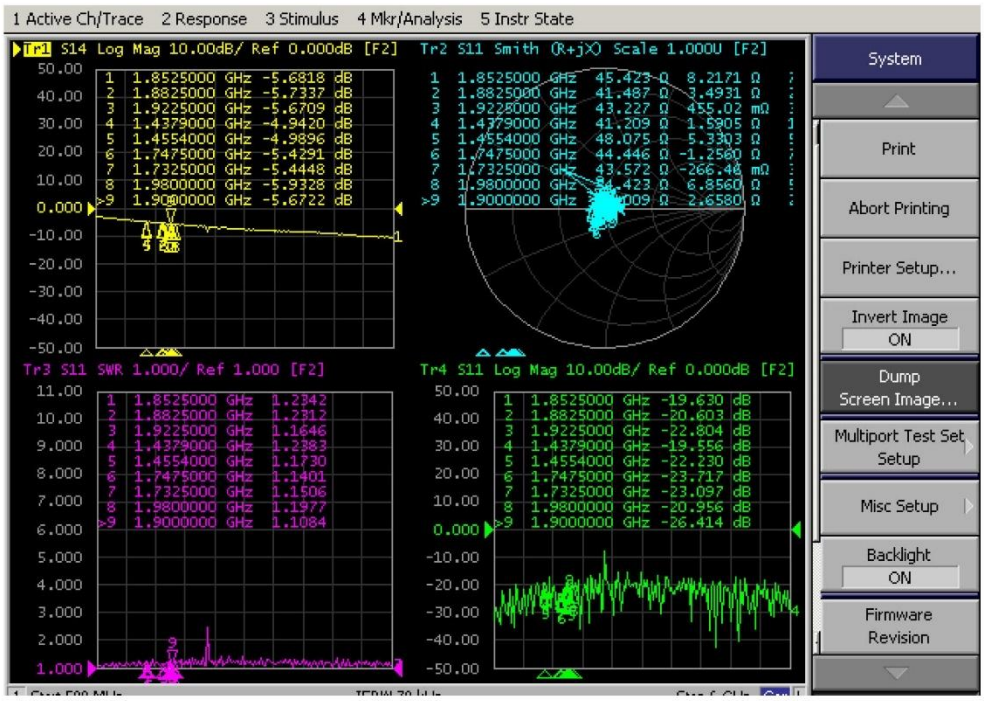
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Product Number: iEC12M
Product Name: Coaxial Cable

1575~1561MHz



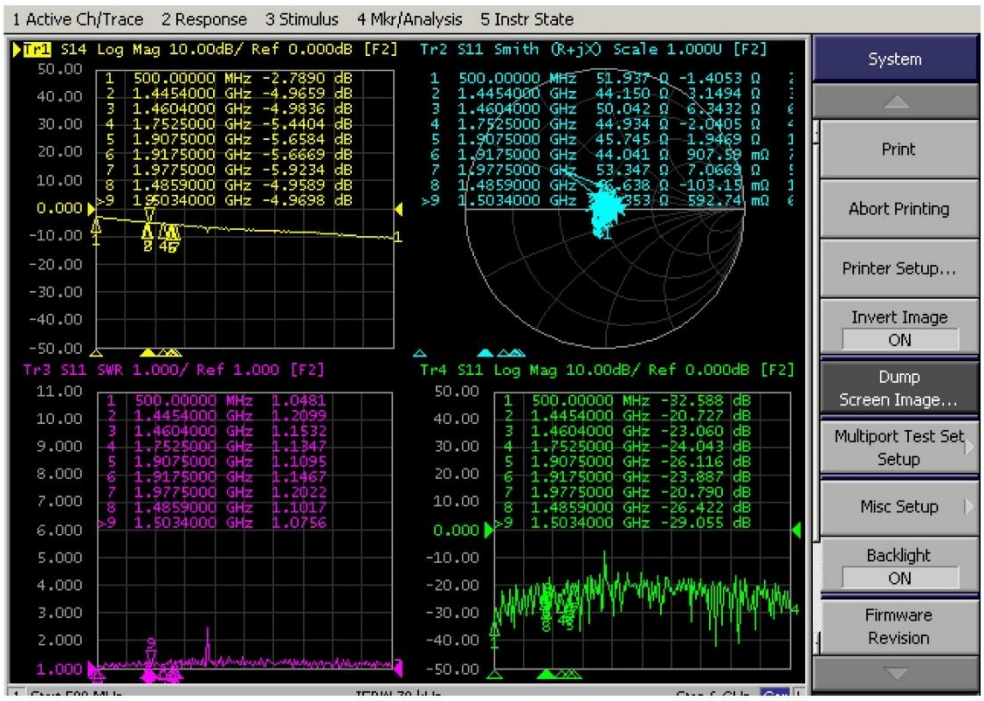
1852~1900MHz



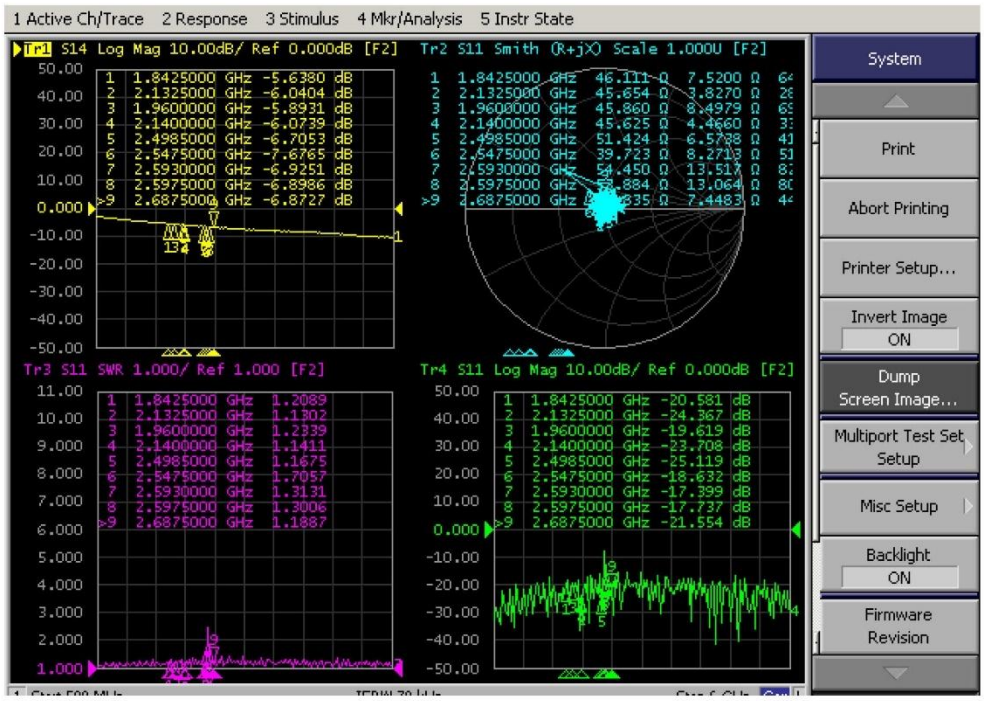
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Product Number: iEC12M
Product Name: Coaxial Cable

1445~1977MHz



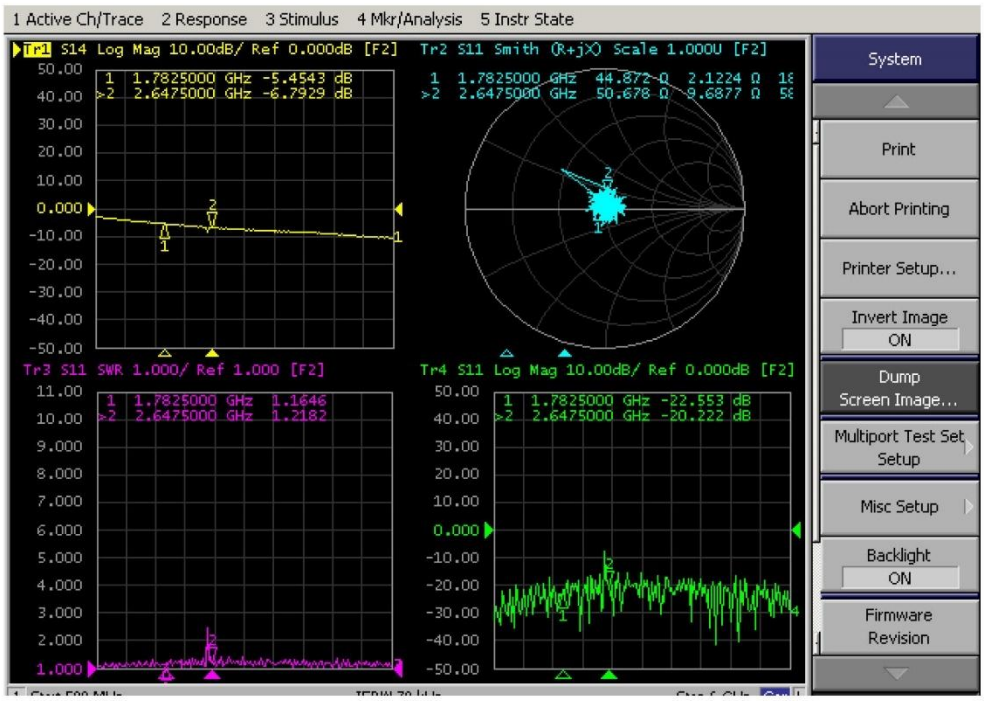
1842~2687MHz



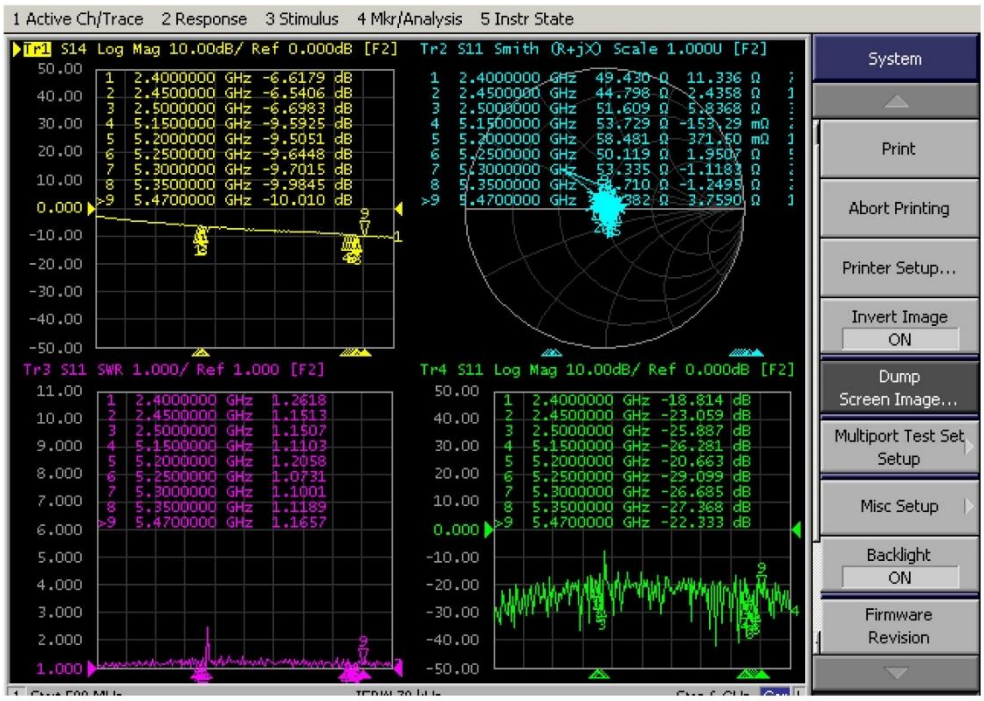
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Product Number: iEC12M
Product Name: Coaxial Cable

1782~2647MHz



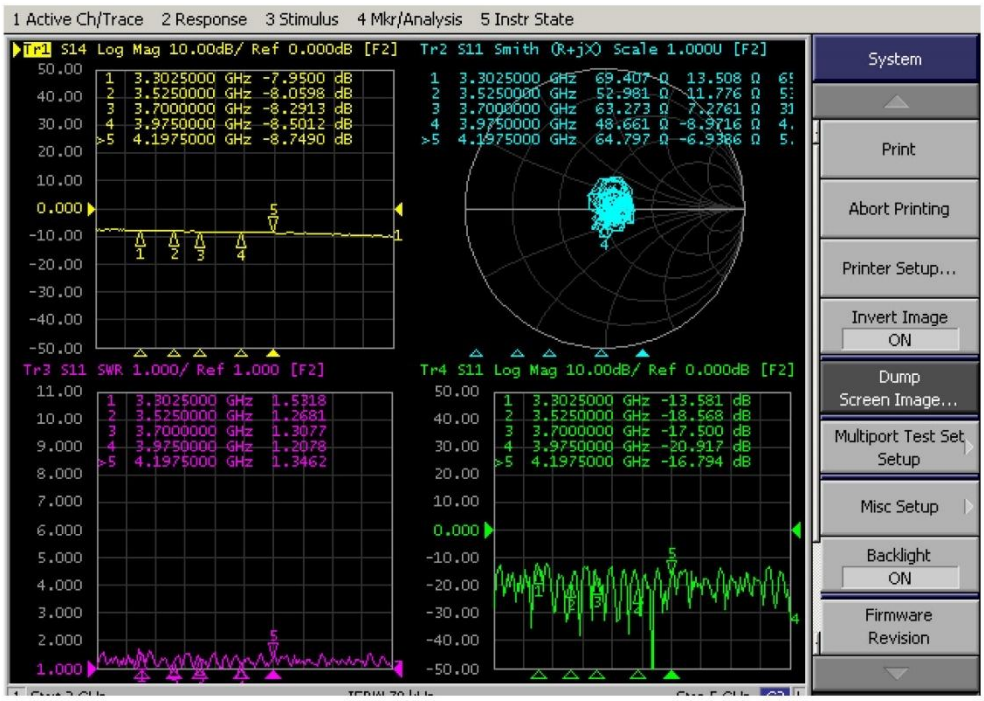
2400~5470MHz



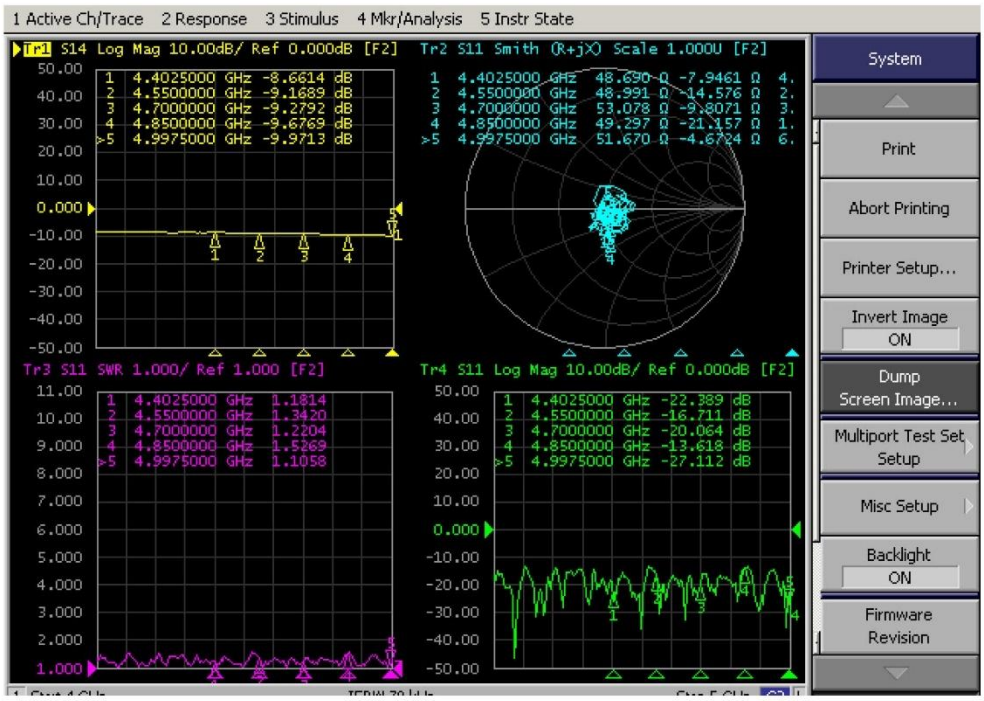
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Product Number: iEC12M
Product Name: Coaxial Cable

3302~4197 MHz



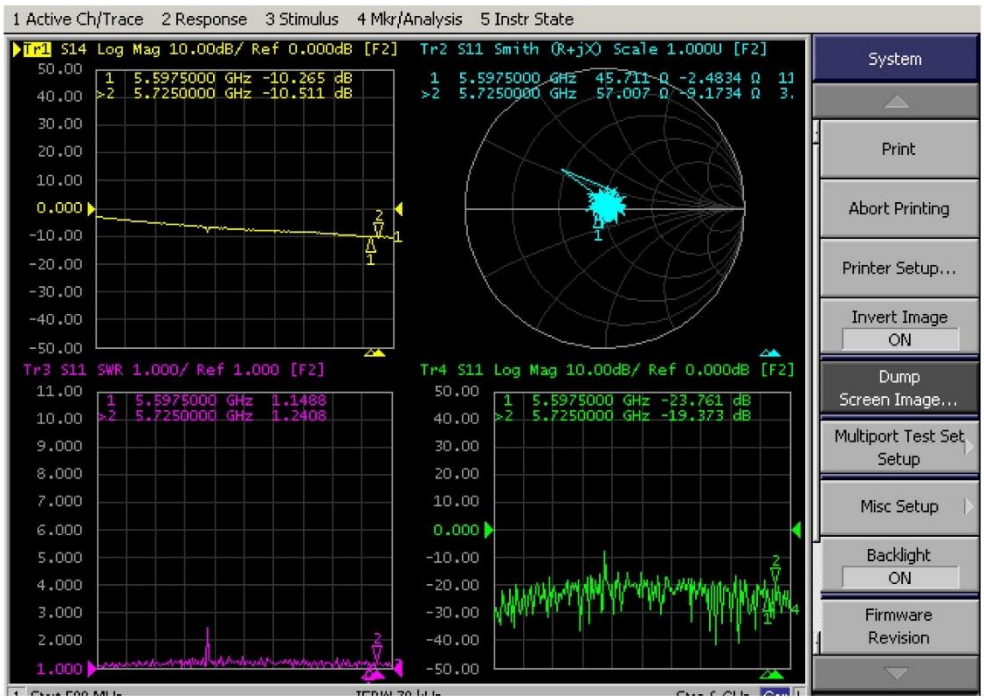
4402~4997 MHz



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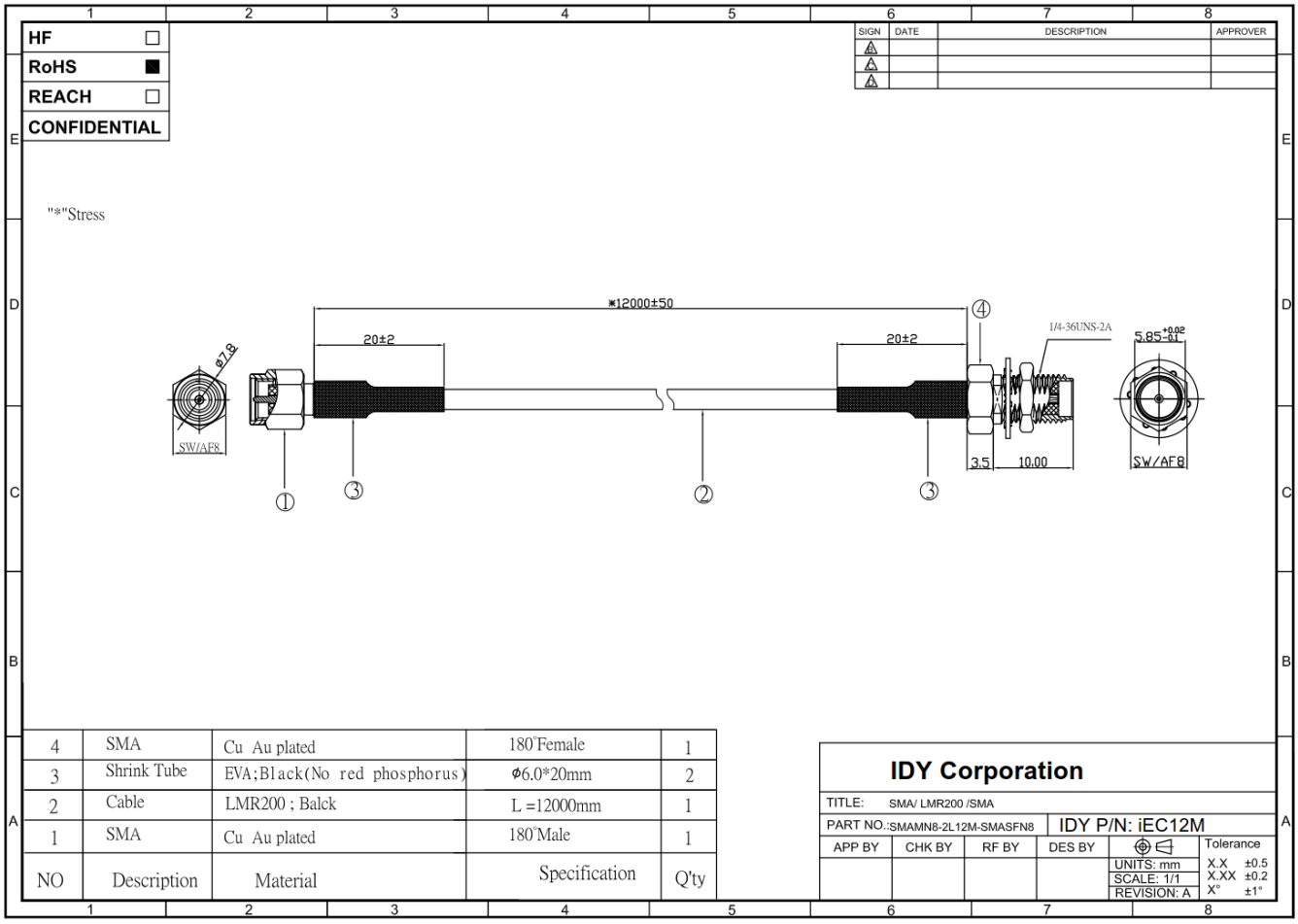
Product Number: iEC12M
Product Name: Coaxial Cable

5597~5725MHz



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＜iEC12M Mechanical Drawings＞



NO	Description	Material	Specification	Q'ty
4	SMA	Cu Au plated	180°Female	1
3	Shrink Tube	EVA;Black(No red phosphorus)	Φ6.0*20mm	2
2	Cable	LMR200 ; Balck	L =12000mm	1
1	SMA	Cu Au plated	180°Male	1

IDY Corporation

TITLE: SMA/ LMR200 /SMA

PART NO.:SMAMN8-2L12M-SMASFN8 IDY P/N: iEC12M

APP BY	CHK BY	RF BY	DES BY	Tolerance
				UNITS: mm X.X ±0.5
				SCALE: 1/1 X.XX ±0.2
				REVISION: A X° ±1°

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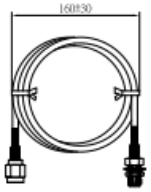
＜iEC12M Packaging Specification＞

Product packaging specification

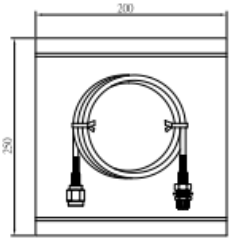
Date：2021.08.05 IDY P/N: iEC12M page: 1 of 1

Product NO : SMAMN8-2L12M-SMASFN8	Edition：A
Product Name :Coaxial Cable	Customer： ALL

1.

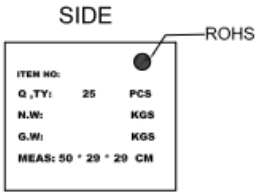


2.

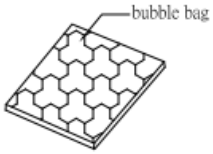


1 PCS / BAG

3.

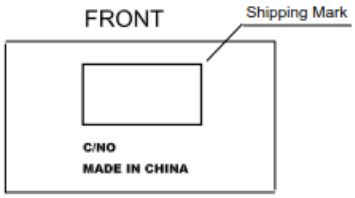


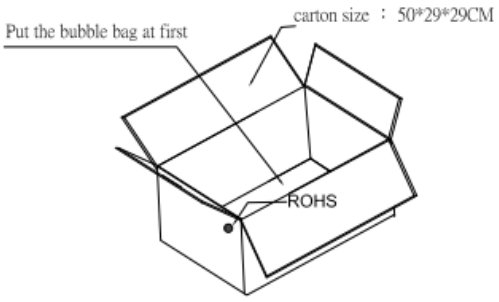
4.



Put a ROHS label on the side of master carton,
fill in the product part number, quantity, net weight and gross weight.

5.





25PCS / CARTON

APPROVED BY : _____ CHECKED BY : _____ DESIDNED BY：_____

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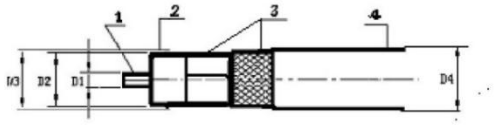
＜iEC12M Cable Specification＞

穗榕 WWW.SUIRONGCABLE.COM 深圳市穗榕同轴电缆科技有限公司

S.R Code: 18040705

R-CB-LMR-200 Coaxial Cable Specification

（ **LMR-200** 同轴电缆规格书）

Type of coaxial cable: LMR-200				
Legend:				
LMR-200: 1.Inner conductor 内导体 2. Insulation 电缆芯线 3.Outer conductor 外导体 4. Jacket 护套				
Main Electrical properties:				
Characteristic impedance	阻抗	50±2Ohm		
Rated capacitance	电容	78±2 pf/m		
Velocity	速比	81%		
Operating frequency	工作频率	10~3000MHz		
Attenuation at typical frequencies:（dB/m） Remarks: We confirmed that typical frequencies can be up to 6000MHz				
400MHz	900 MHz	1500 MHz	2100MHz	3000MHz
0.220	0.341	0.450	0.551	0.639
VSWR 10~3000MHz	电压驻波比	1.30Max.		
Mechanical Construction:				
Inner conductor: BC	裸铜线	1.12±0. 005㎜		
Dielectric:foam PE	绝缘 FPE	2.95±0. 10mm		
Outer conductor: APA+TC	铝塑覆合箔＋镀锡铜线	3.70±0. 12mm（16*6/0.12mm）		
Jacket : PVC Black	护套黑色 PVC	5.0±0.10mm		
Engineering data:				
Maximum Pull Tension	最大拉拔力	42 lbs		
Minimum bending radius	最小弯曲半径	50mm		
Operating temperature	工作温度	-25~+70°C		
Reel Length	装盘长度	/		
jacket-Marking	产品标识	LOW LOSS 200 PVC HYT CABLE MICROWAVE SYSTEM/NFC		

SuiRong COAXIAL CABLE Co.,Ltd

制造商:深圳市穗榕同轴电缆科技有限公司
生产地:深圳市龙岗区龙西务地铺清水路清水巷 40 号

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2018-04-07

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＜iEC12M RoHS Test＞

SGS 台灣網站 → http://twap.sgs.com/sgsrsts/chn/cheres_tw.asp
SGS 大陸網站 → http://rsts.cn.sgs.com/chn/cheres_cn.asp
SGS 韓國網站 → http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

請輸入以下報告正確資料及檢查碼以便查核
1. 報告編號
2. 報告日期 (YYYY/MM/DD)
3. 產品名稱 (輸入前 10 個字不含空白)
4. 圖示檢查碼 (依指示畫面)

填表：	
部門：	
職務：	

物料中HSF對象物質含量調查表

物料名稱：SMAMN8-2L12M-SMASFN8 (iEC12M)

序號	物料型號	物料各構成名稱	各構成物料的材質	測試報告裡RoHS2.0對應物質測試結果										檢測報告編號	測試日期	測試名稱	測試機構名稱
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP				
1	SMA	180° Female 180°Male	銅	39	32915	N.D.	N.D.							CANML2109847002	2021.06.11	黃銅棒（C3604）	SGS
			鍍金	N.D.	31	N.D.	N.D.							SZXEC2101871802	2021.06.28	銅車件電鍍金.	SGS
2	LMR200	Cable	PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2020811102	2020.11.27	PVC Black	SGS
			PE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2022021108	2020.12.18	HDPE	SGS
			AL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	YCCT332020060601RZ2	2020.06.06	铝箔聚酯膜麦拉带	YCCT
			裸铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	TSNEC2002256101	2020.11.30	ELECTRICIAN	SGS
			镀锡铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	C210301069002-0	2021.03.05	镀锡线0.15	CPST
3	Shrink Tub	EVA	EVA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2022443601	2020.12.22	HEAT SHRINKABLE TUBING	SGS

根據測試報告如實填寫鉛、鎘、汞、六價鉻、PBBs和PBDEs六項禁用物質的含量
包裝材料中鉛、鎘、汞、六價鉻總含量不超過100ppm，鎘的允許濃度為5ppm
歐盟ROHS指令豁免條款2015/863/EU、鋼中合金元素中的鉛含量达0.35%、铝含量达0.4%、铜合金中的铅含量达4%

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○ お問い合わせ

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