

Test Report



790-2700MHz Antenna
Model QA4

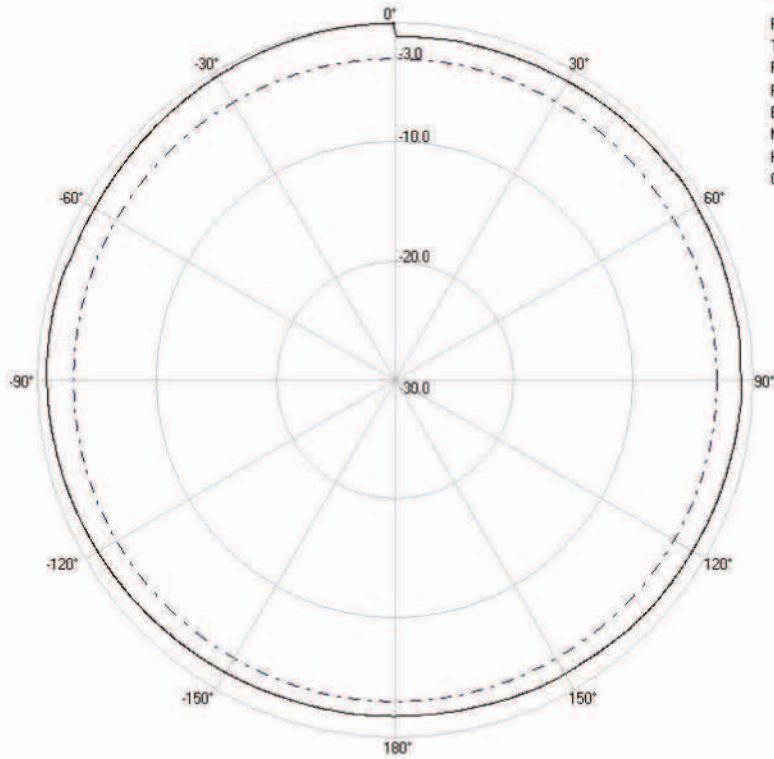
Test Report

Test Equipment				
Equipment	Model	Specification		
Outfield Test Turntable	SLD500-3	100KHz-6GHz		
Standard Horn Antenna	HD-22HA15.5N	0.79GHz-2.7GHz		
Network Analyzer	HP8753ES	30KHz-6GHz		
Frequency Range:		790-2700MHz		
Parameter	Specification	Measured Results		Remarks
Gain	6dBi \pm 0.5	790MHz 1990MHz 2700MHz	4.07 dBi 5.67 dBi 8.66 dBi	Passed
VSWR	\leq 2.5	790-2700MHz	\leq 2.5	Passed
Horizontal Beamwidth	360° \pm 15°	790MHz 1990MHz 2700MHz	360° 113° 80.8°	Passed
Test Result:		Passed		
Inspected By:			Date:	
Verified By			Date:	

Patterns

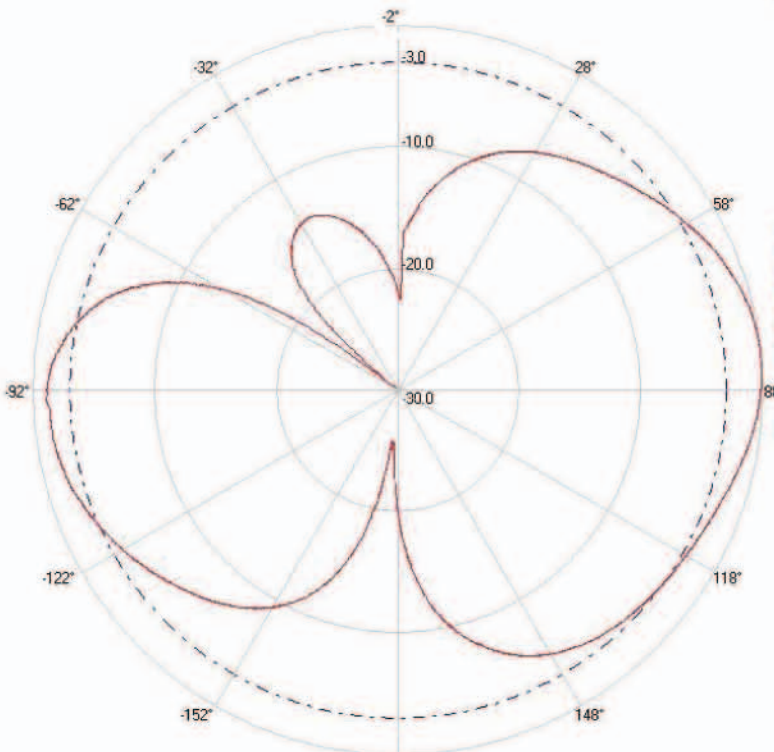
Frequency: 790MHz

V-Pol_H790



NH Microwave
Frequency : 790MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -45.61dBm
HPBW : 360.00°
Circularity : 1.04dB

V-Pol_V790



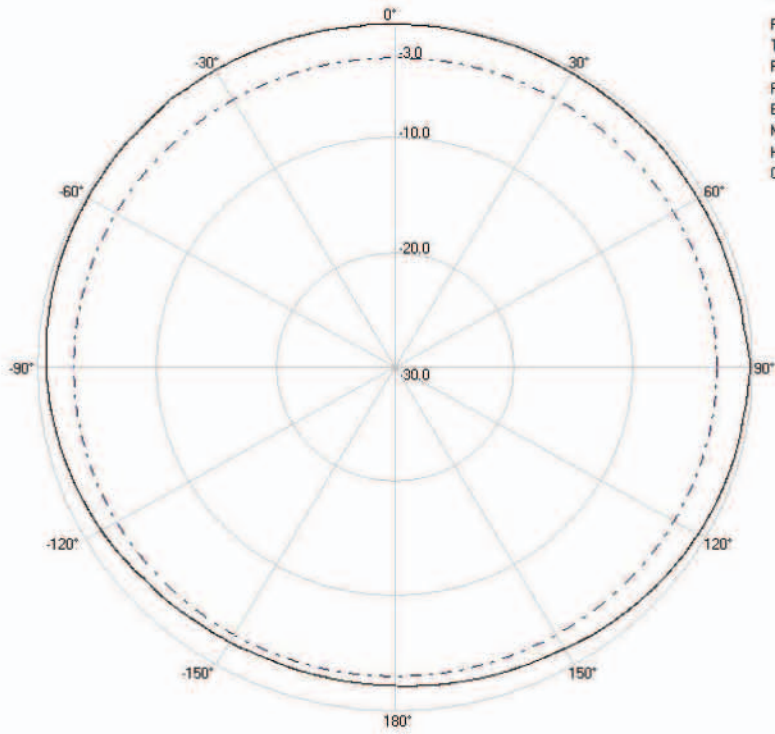
NH Microwave

Frequency : 790MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -44.73dBm
HPBW : 69.22°
Circularity : 21.50dB
Gain : 4.07dBi

Patterns

Frequency: 890MHz

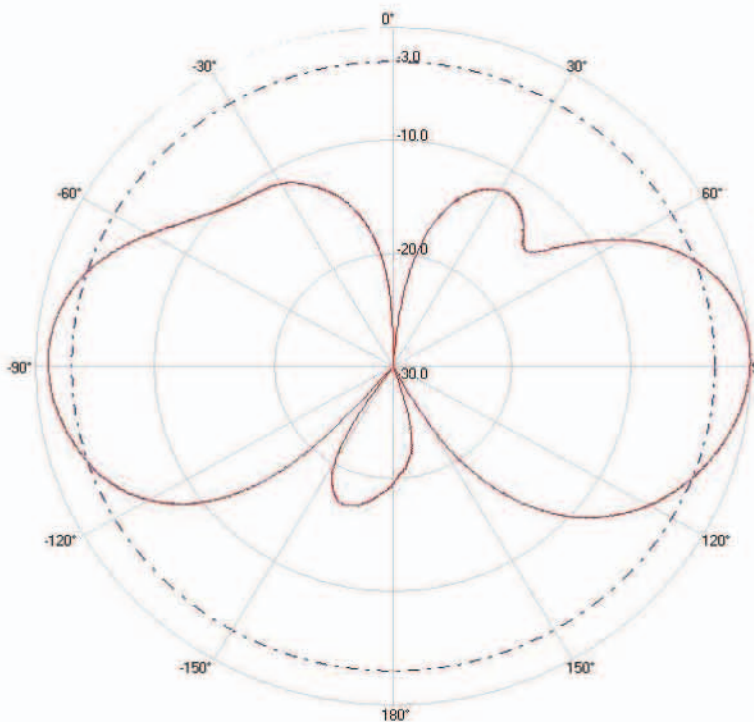
V-Pol_H890



NH Microwave

Frequency : 890MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -43.42dBm
HPBW : 99.10°
Circularity : 1.49dB

V-Pol_V890



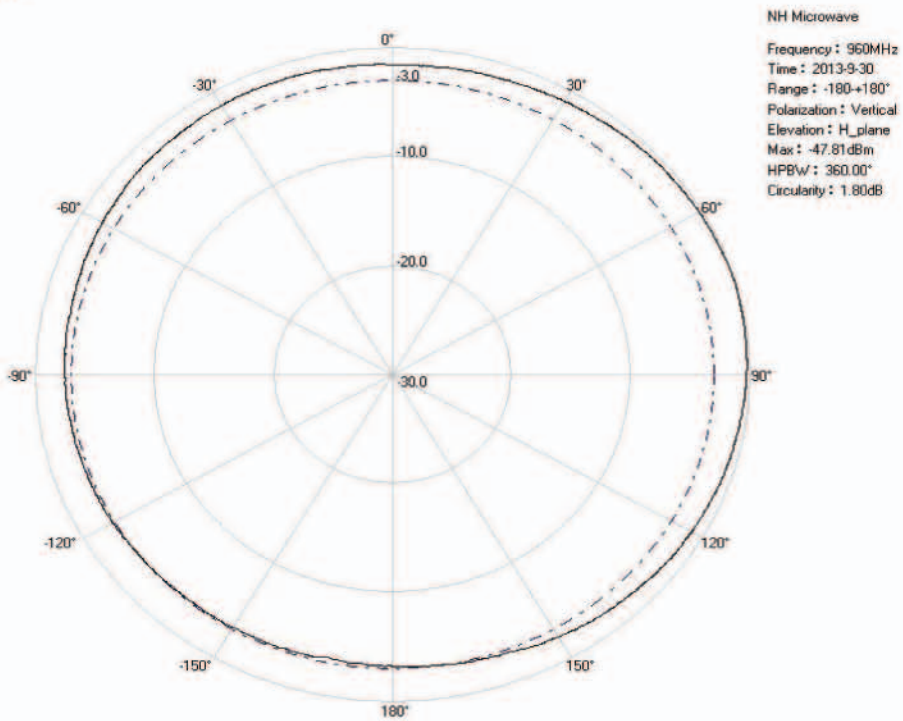
NH Microwave

Frequency : 890MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -41.16dBm
HPBW : 41.89°
Circularity : 36.32dB
Gain : 5.68dBi

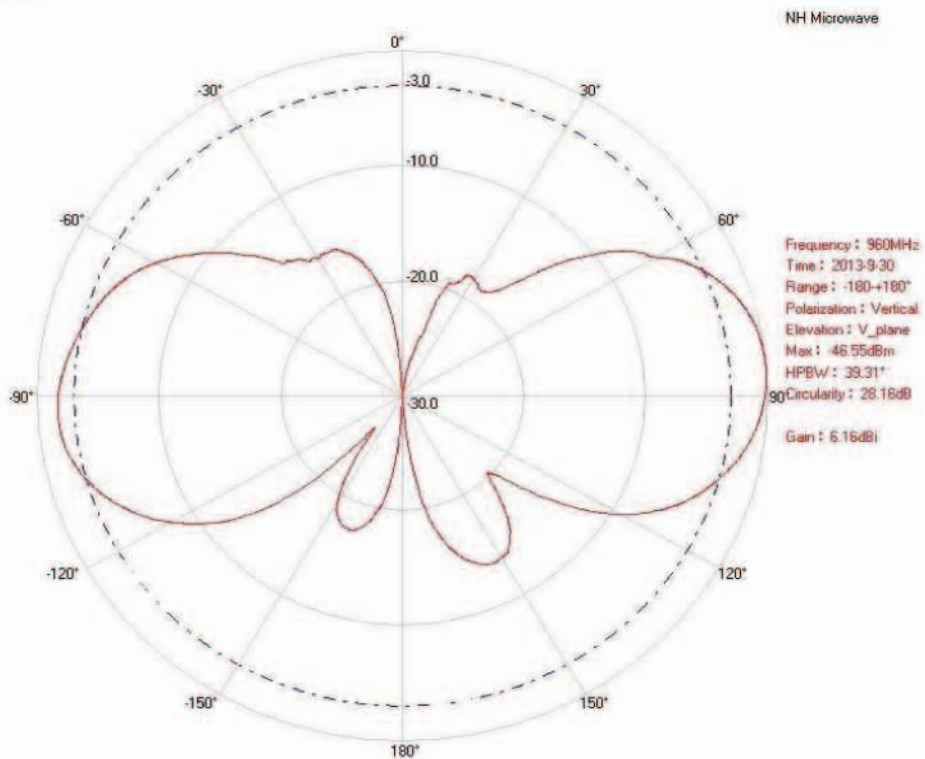
Patterns

Frequency: 960MHz

V-Pol_H960



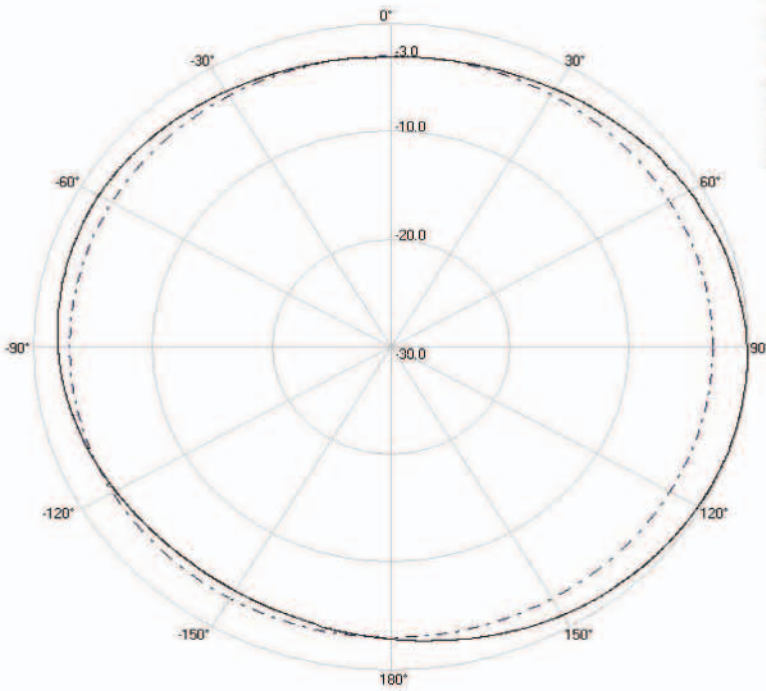
V-Pol_V960



Patterns

Frequency: 1710MHz

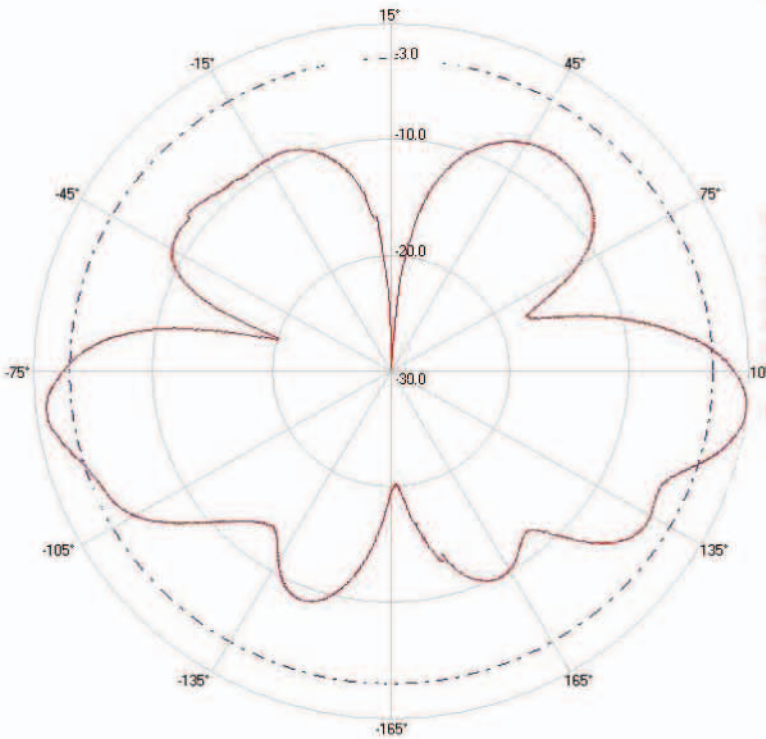
V-Pol_H1710



NH Microwave

Frequency : 1710MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -44.30dBm
HPBW : 173.35°
Circularity : 2.10dB

V-Pol_V1710



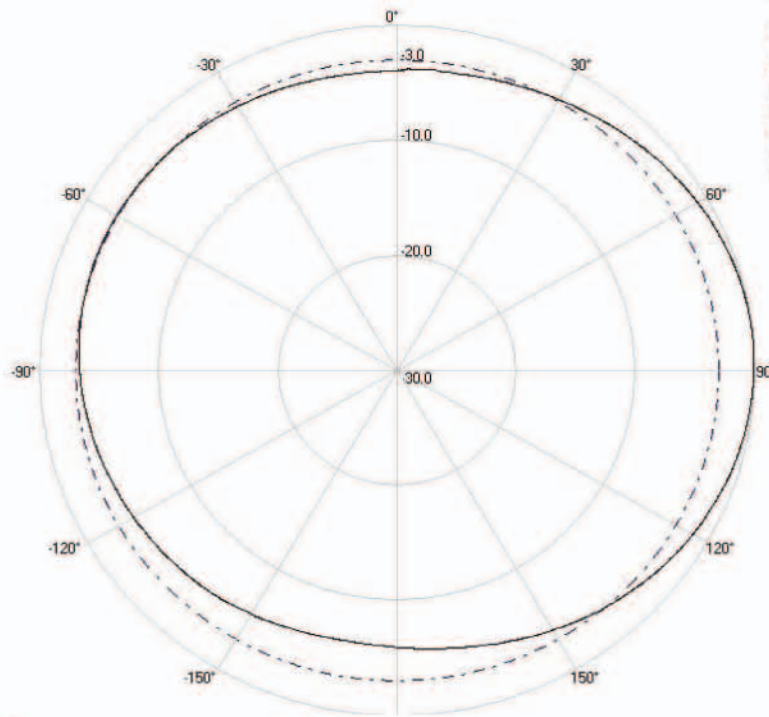
NH Microwave

Frequency : 1710MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -41.39dBm
HPBW : 21.47°
Circularity : 30.08dB
Gain : 5.54dBi

Patterns

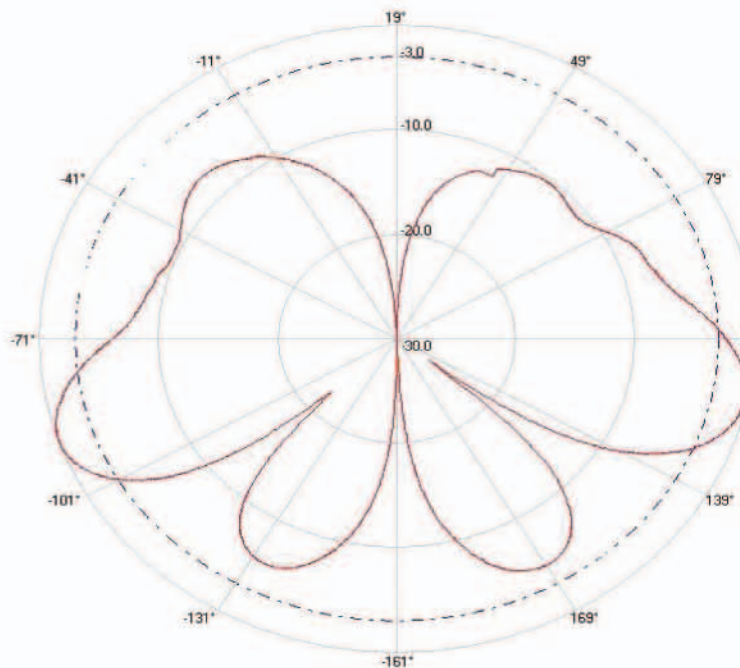
Frequency: 1990MHz

V-Pol_H1990



NH Microwave
Frequency : 1990MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -46.68dBm
HPBW: 113.23°
Circularity : 3.25dB

V-Pol_V1990

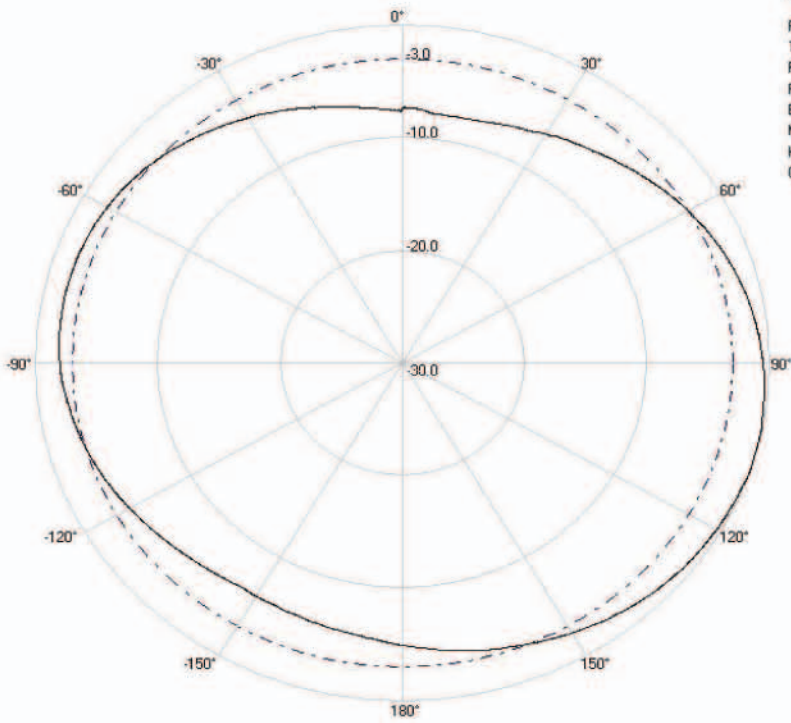


NH Microwave
Frequency : 1990MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -42.46dBm
HPBW: 22.86°
Circularity : 22.12dB
Gain : 5.57dBi

Patterns

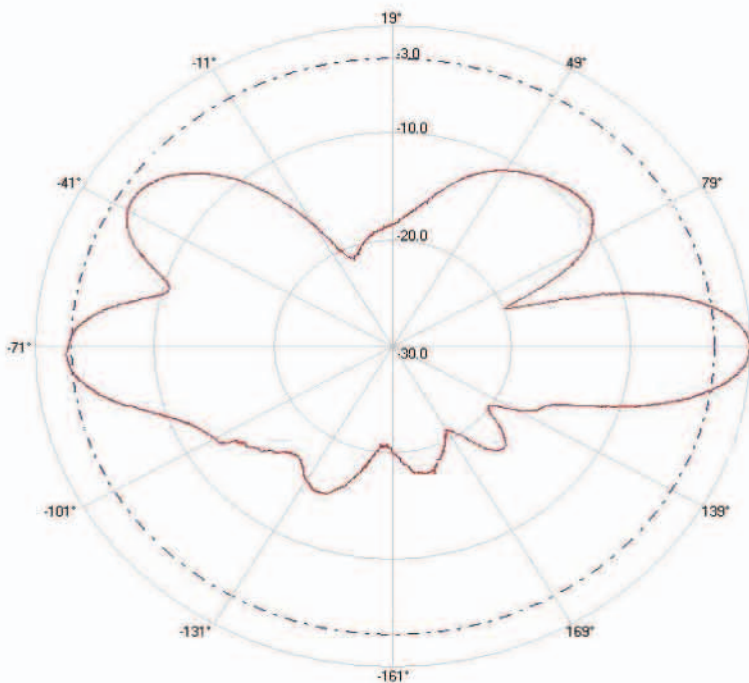
Frequency: 2170MHz

V-Pol_H2170



NH Microwave
Frequency : 2170MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -46.01dBm
HPBW : 97.69°
Circularity : 3.89dB

V-Pol_V2170

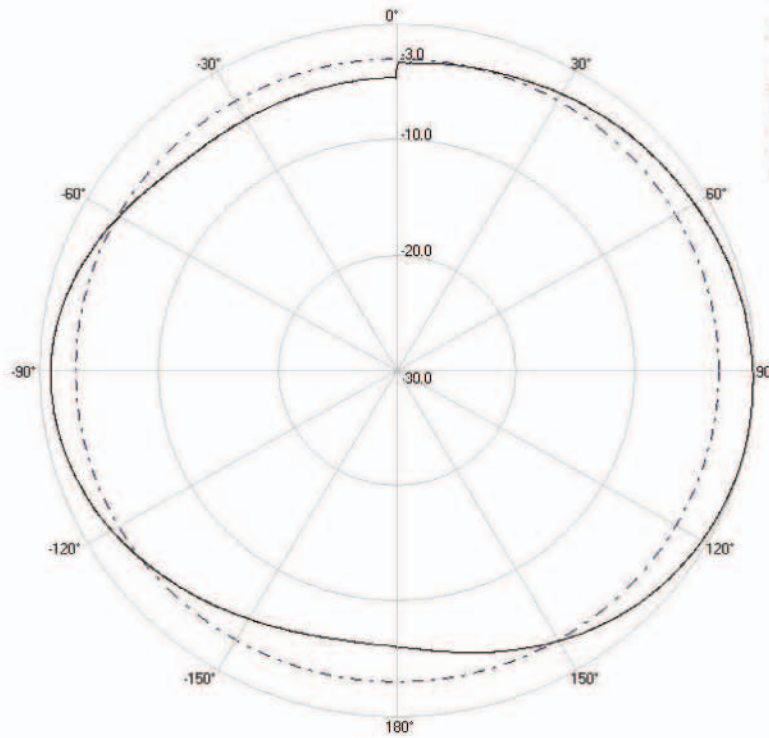


NH Microwave
Frequency : 2170MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -43.41dBm
HPBW : 16.82°
Circularity : 13.19dB
Gain : 0.59dBi

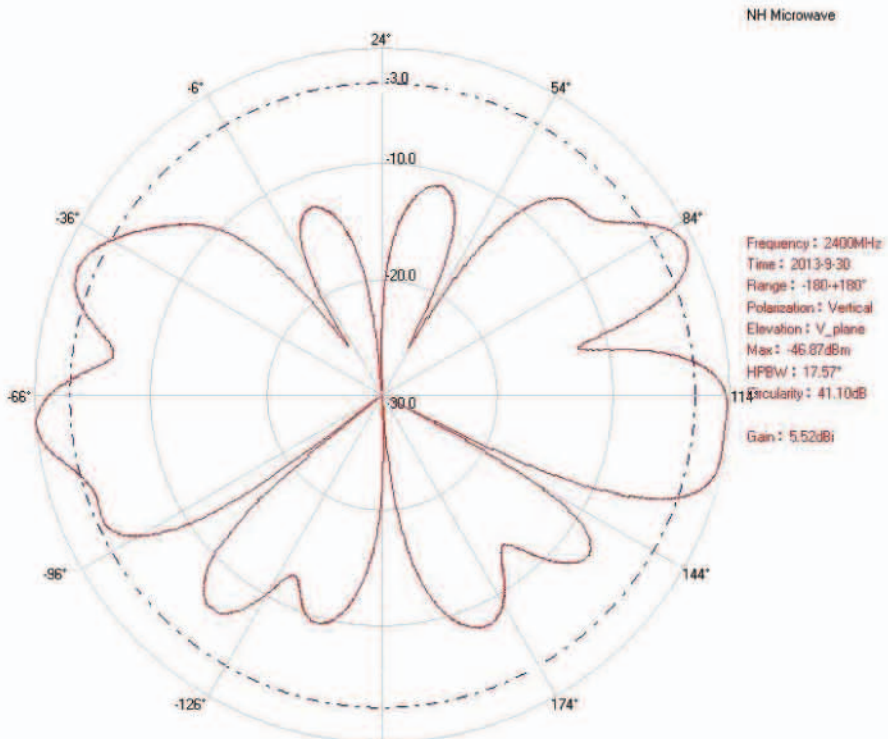
Patterns

Frequency: 2400MHz

V-Pol_H2400



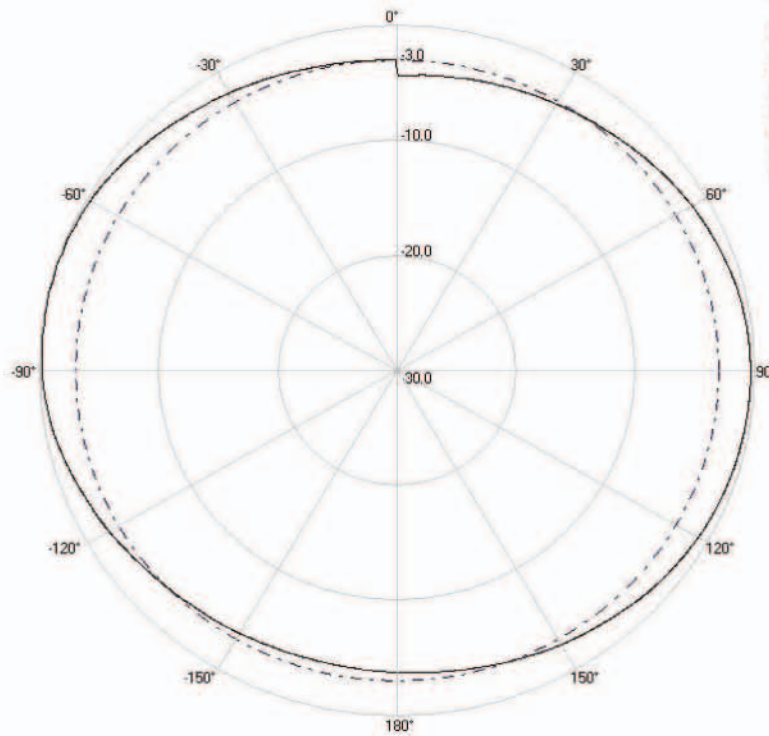
V-Pol_V2400



Patterns

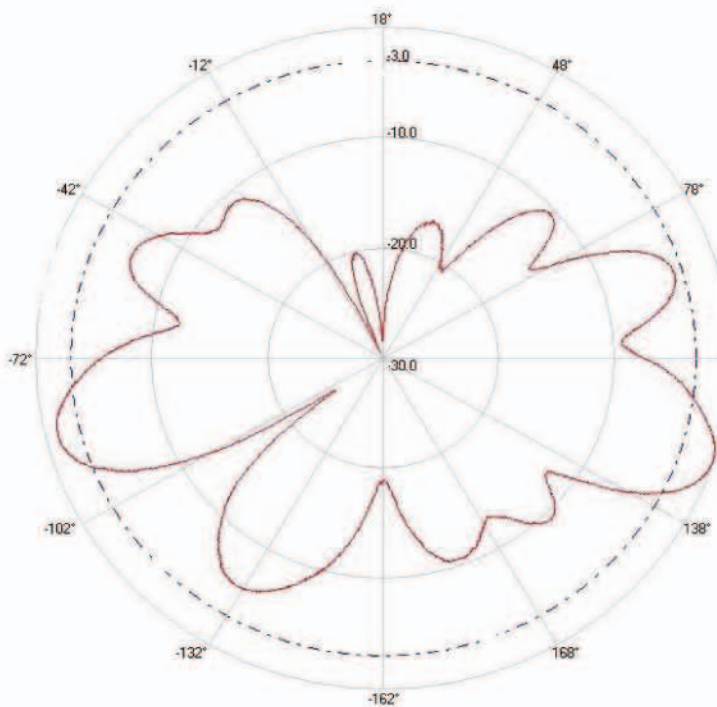
Frequency: 2500MHz

V-Pol_H2500



NH Microwave
Frequency : 2500MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -46.34dBm
HPBW : 131.34°
Circularity : 2.34dB

V-Pol_V2500

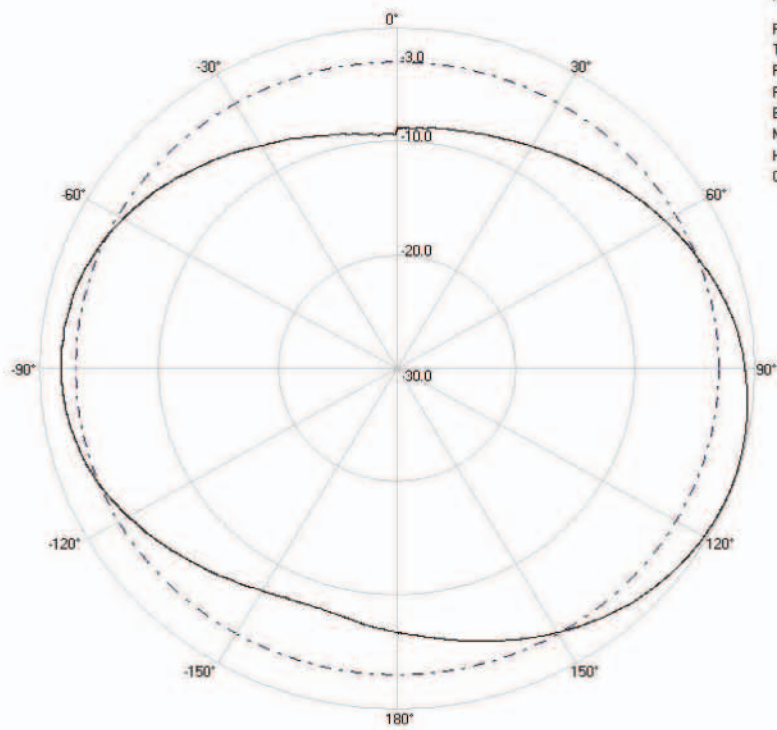


NH Microwave
Frequency : 2500MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -60.76dBm
HPBW : 19.37°
Circularity : 24.11dB
Gain : 6.21dBi

Patterns

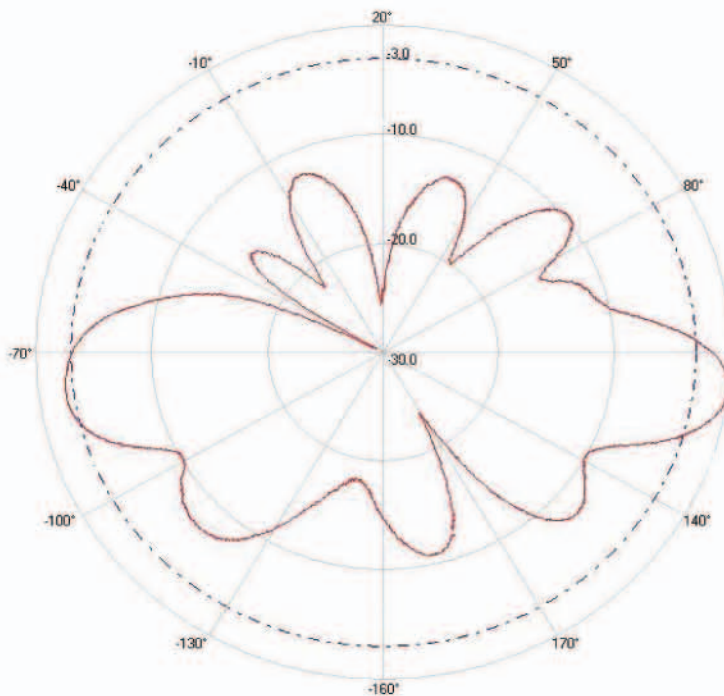
Frequency: 2700MHz

V-Pol_H2700



NH Microwave
Frequency : 2700MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : H_plane
Max : -45.40dBm
HPBW : 80.87°
Circularity : 4.80dB

V-Pol_V2700



NH Microwave
Frequency : 2700MHz
Time : 2013-9-30
Range : -180+180°
Polarization : Vertical
Elevation : V_plane
Max : -45.40dBm
HPBW : 18.72°
Circularity : 27.52dB
Gain : 0.66dBi

VSWR

V-P Frequency: 790-2700MHz

