



ANTENNA PATTERN TEST REPORT

For

Bluetooth stereo headset

Model: BSH-01

Trade Name: BLUEVIRTU

Issued to

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Issued by

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1. SUMMARY OF TEST RESULTS

Item	Specification
Model No.	ANTBSH-01
Frequency	2.4 - 2.5 GHz
Peak Gain (max.)	-1.52 dBi
Average Gain	-4.71 dBi
V.S.W.R.	5.338 max.
Return loss	-3.047 max.
Antenna Type	Dipole Antenna
Polarization	Linear
Impedance	50 ohm

MEASUREMENT EQUIPMENT

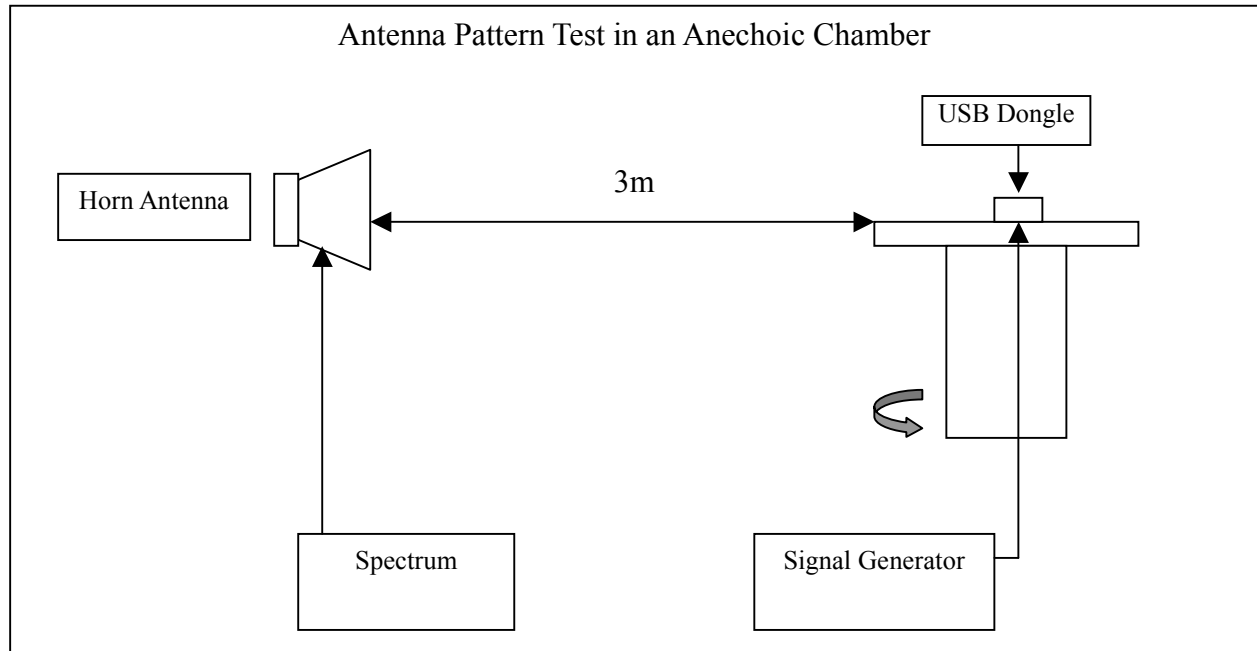
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
S-Parameter Network Analyzer	Agilent	E8358A	US40260243	06/20/2008
Vector Network Measurement System	Anritsu	MS4623B	003312	10/09/2007
Horn antenna	EMCO	3115	00022250	05/05/2008

Approved by:

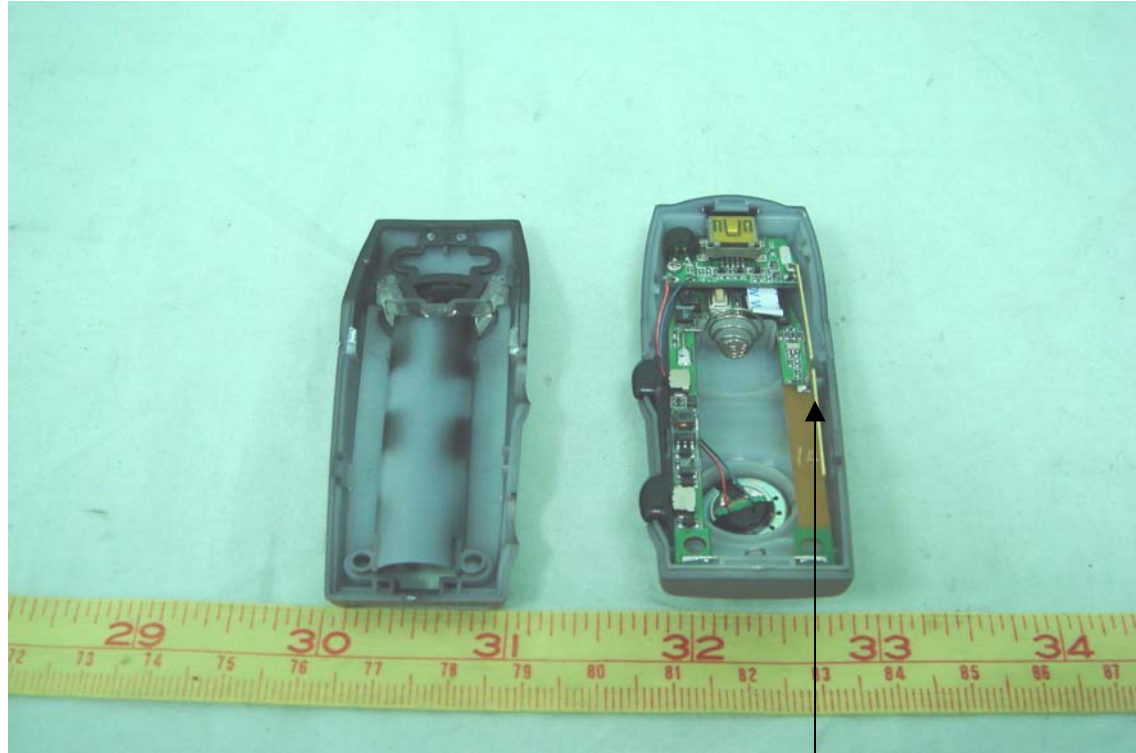
Rex Lai
Technical Manager of Wu-Ku Laboratory
Compliance Certification Services Inc.

2. ANTENNA TEST CONDITIONS

Test Setup



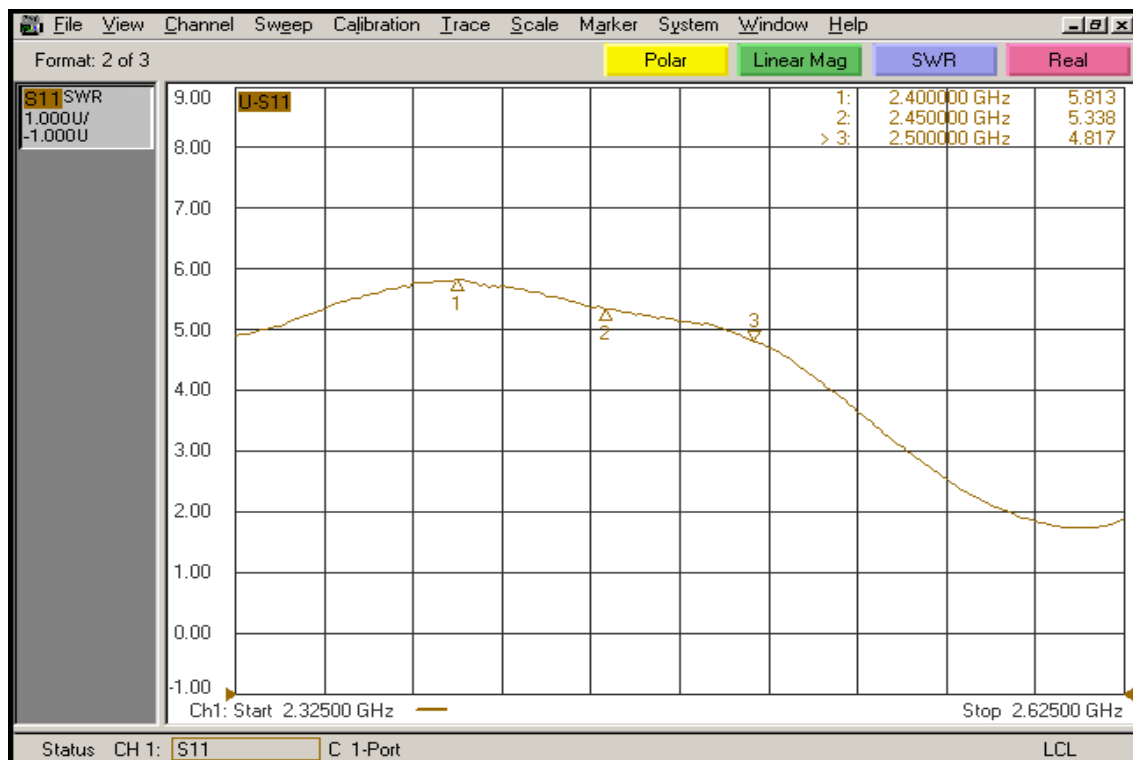
EUT Antenna Description



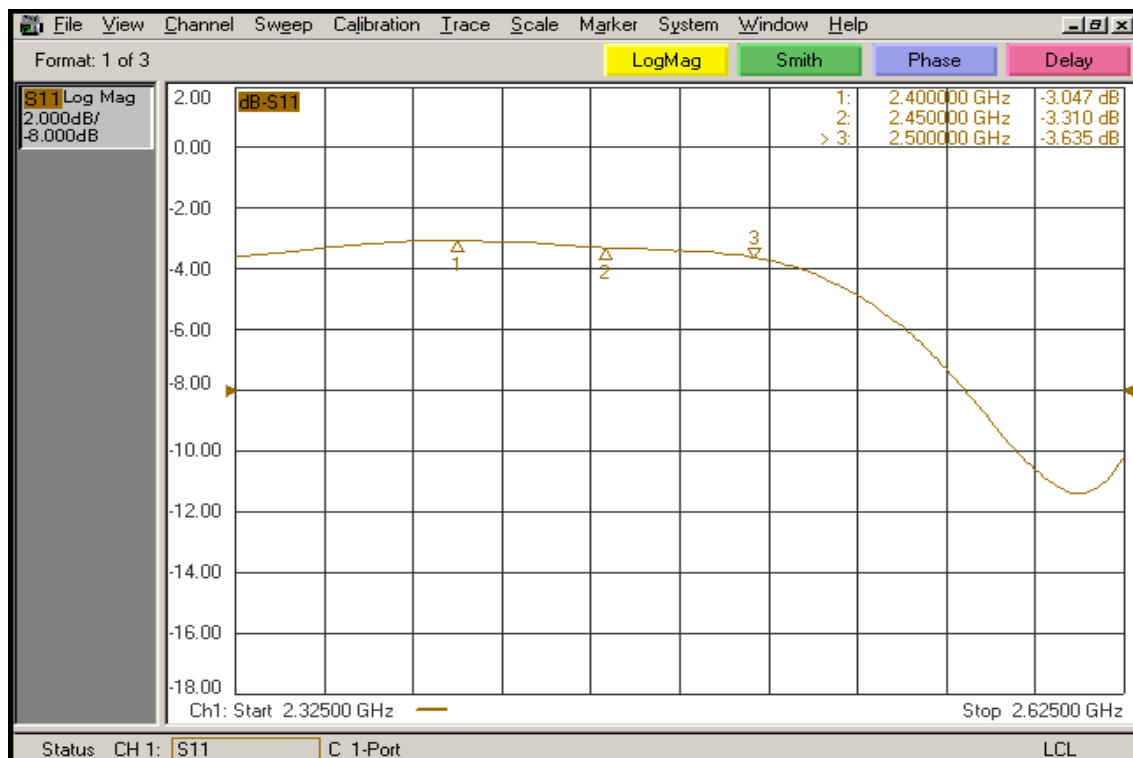
Antenna Position

3. ELECTRICAL CHARACTERISTICS

V.S.W.R.

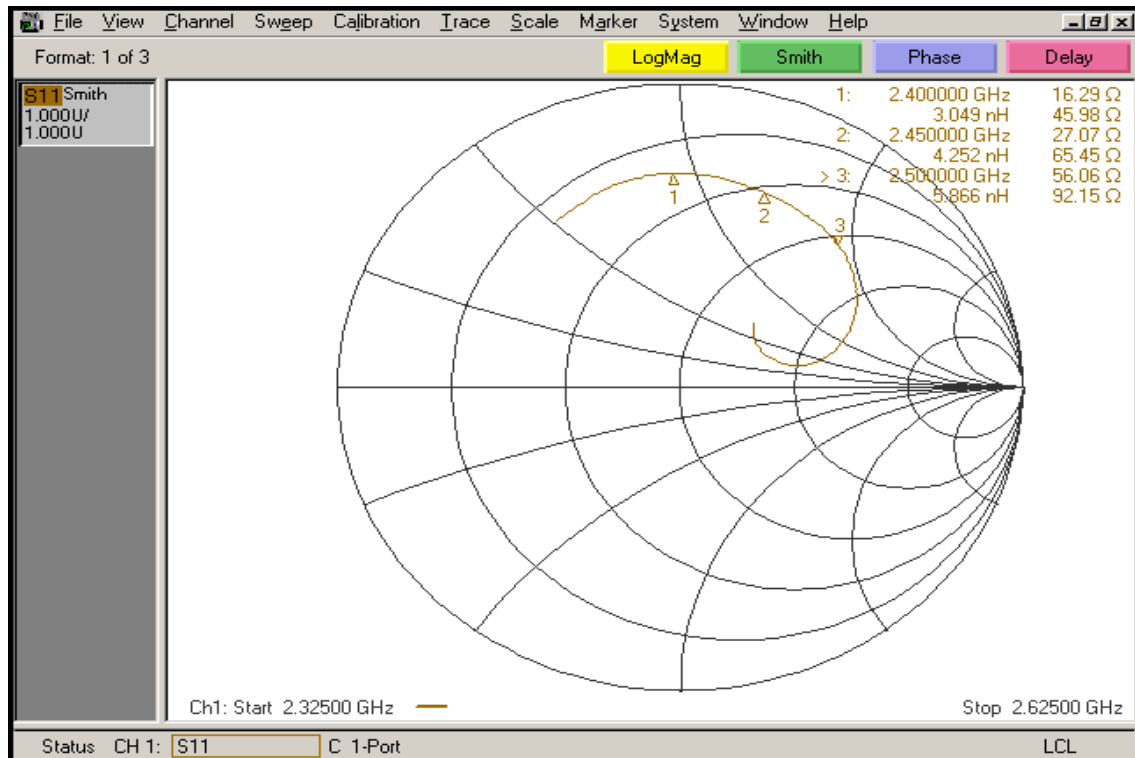


Return loss





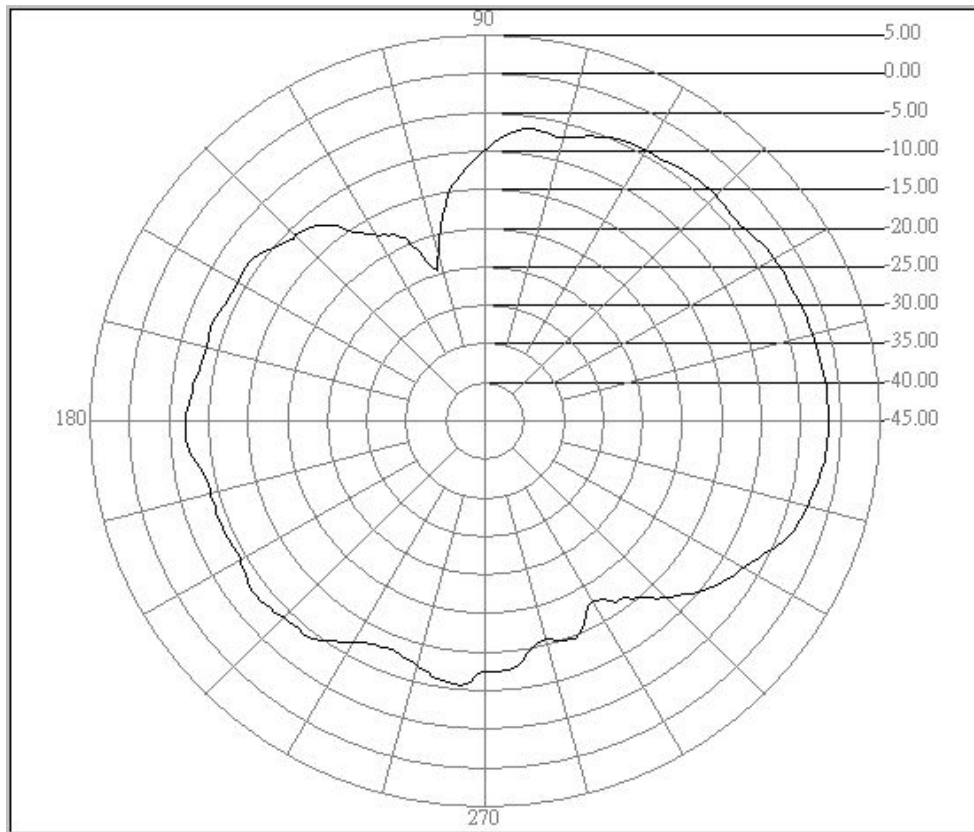
Smith Chart





Antenna Patterns

2400MHz



Center freq.(MHz): 2400

Polarization : E Plane

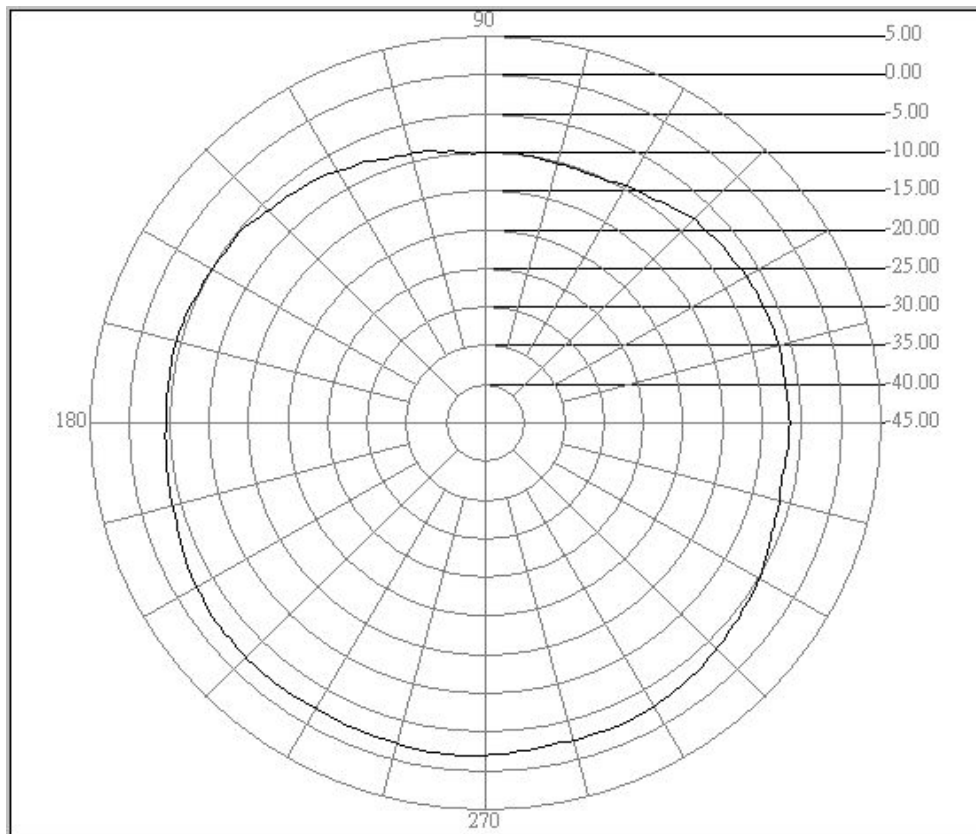
Max gain(dBi):-1.52

Min gain(dBi):-24.48

Avg gain(dBi):-6.79



2400MHz



Center freq.(MHz): 2400

Polarization : H Plane

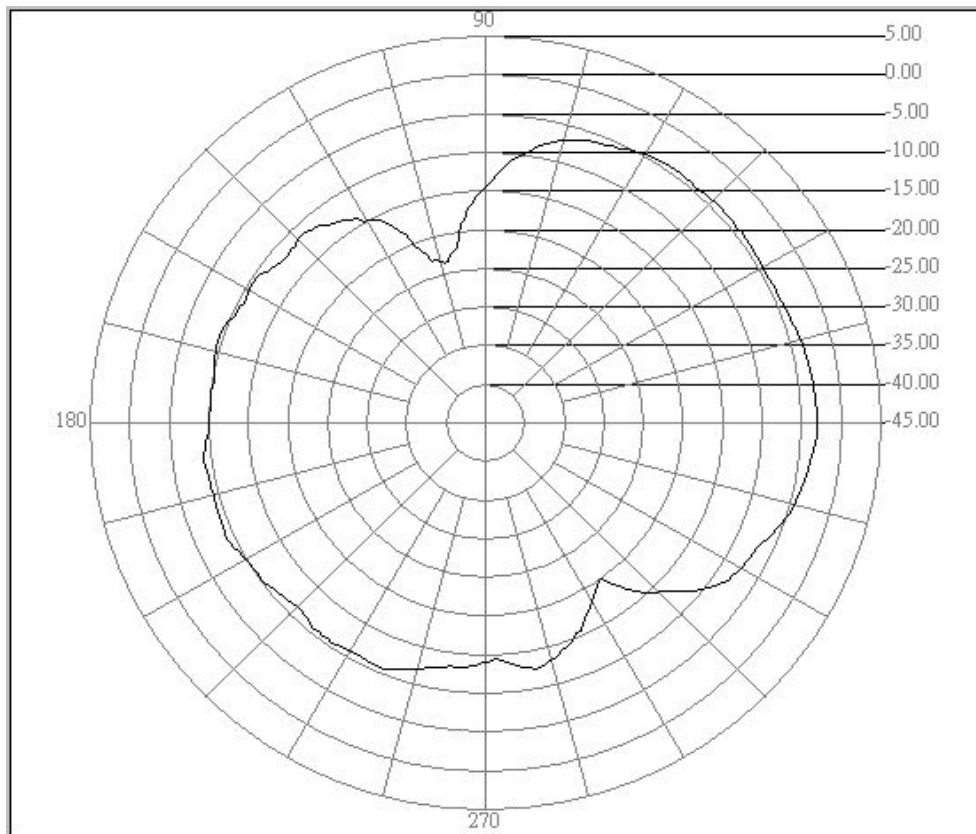
Max gain(dBi):-1.83

Min gain(dBi):-10.32

Avg gain(dBi):-4.71



2450MHz



Center freq.(MHz): 2450

Polarization : E Plane

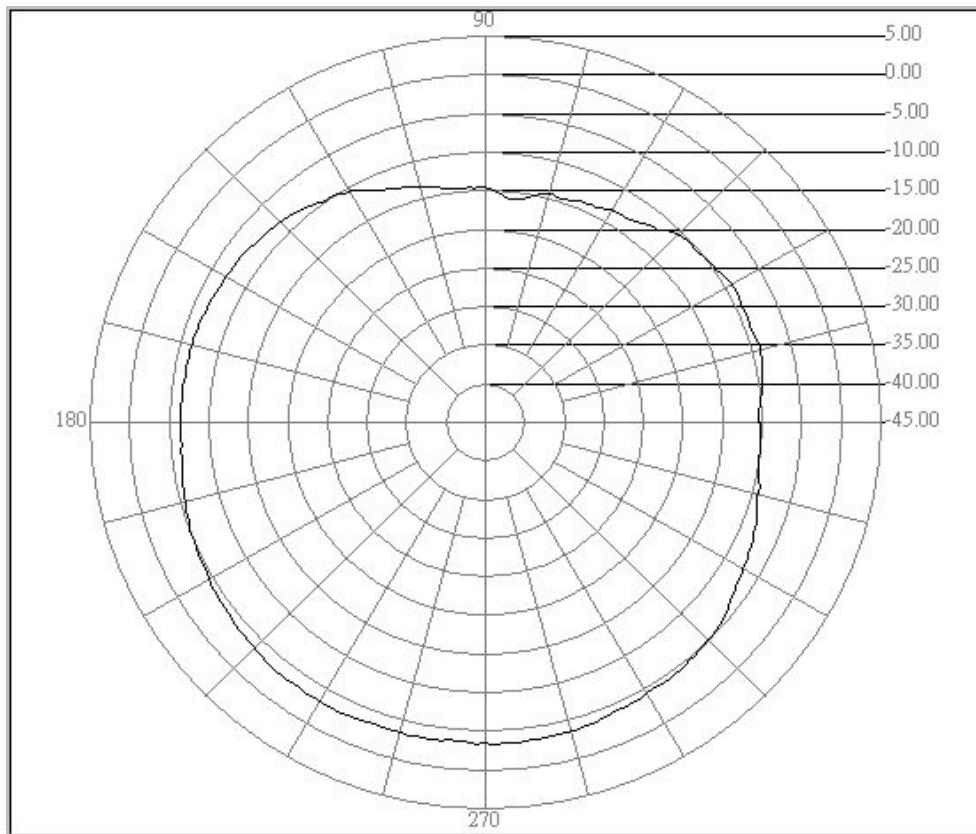
Max gain(dBi):-3.08

Min gain(dBi):-23.80

Avg gain(dBi):-8.11



2450MHz



Center freq.(MHz):

2450

Polarization : H Plane

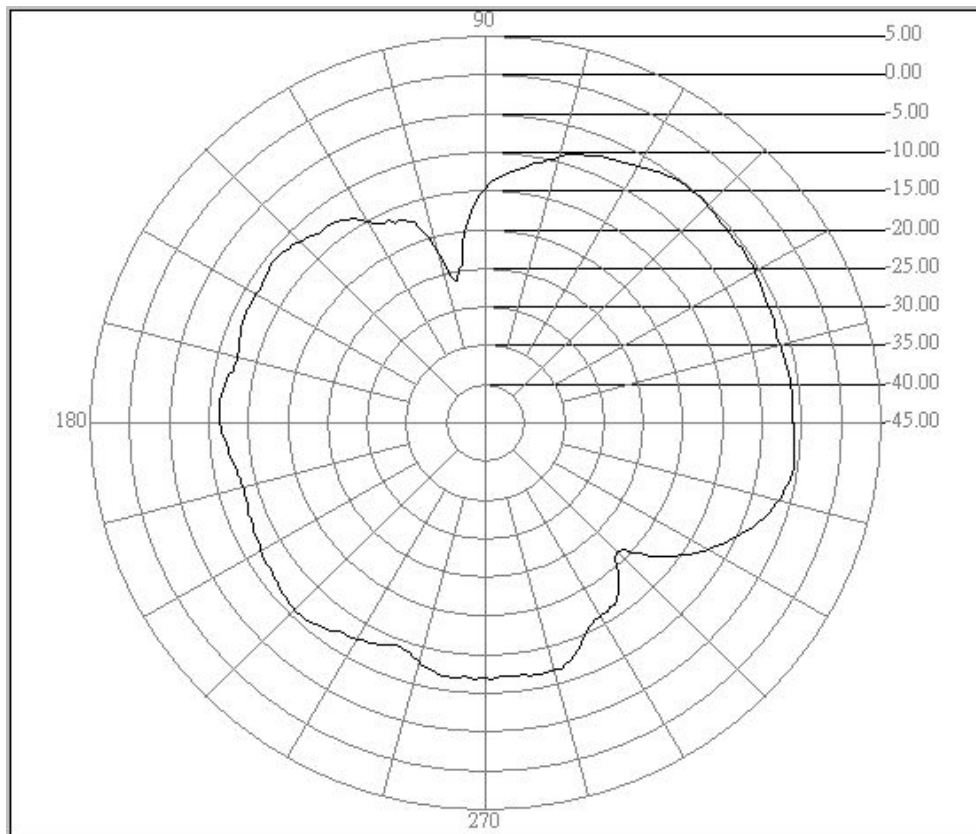
Max gain(dBi):-3.15

Min gain(dBi):-15.91

Avg gain(dBi):-6.57



2500MHz



Center freq.(MHz): 2500

Polarization : E Plane

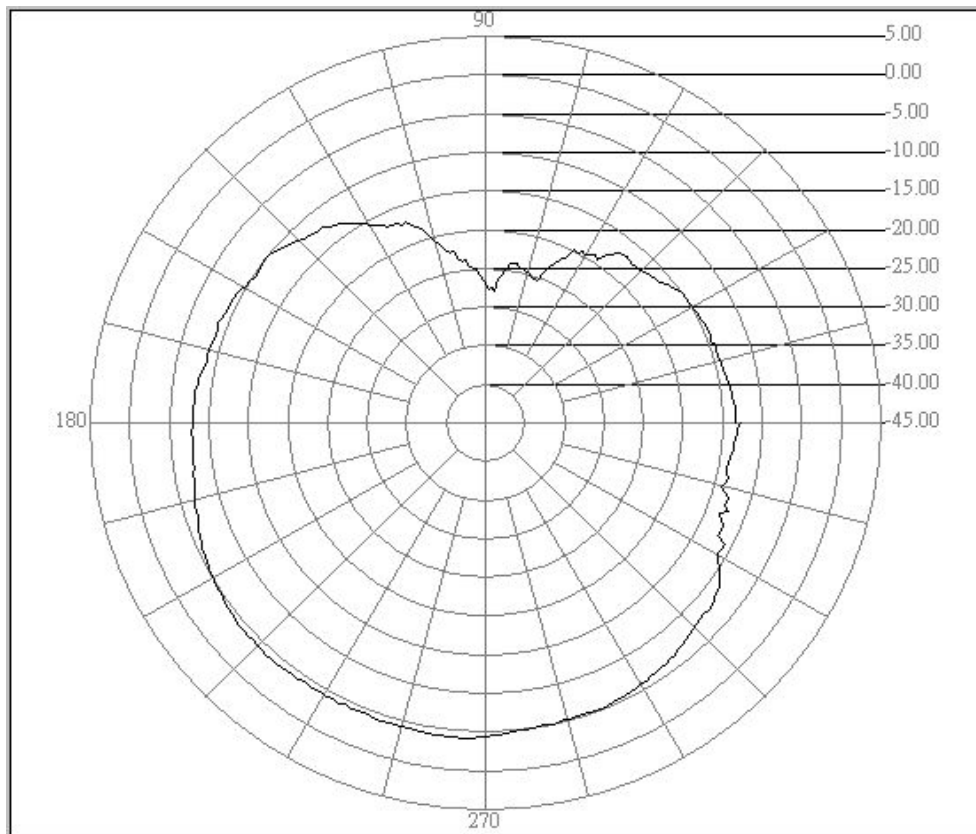
Max gain(dBi):-5.16

Min gain(dBi):-26.29

Avg gain(dBi):-9.85



2500MHz



Center freq.(MHz): 2500

Polarization : H Plane

Max gain(dBi):-4.13

Min gain(dBi):-27.88

Avg gain(dBi):-8.35