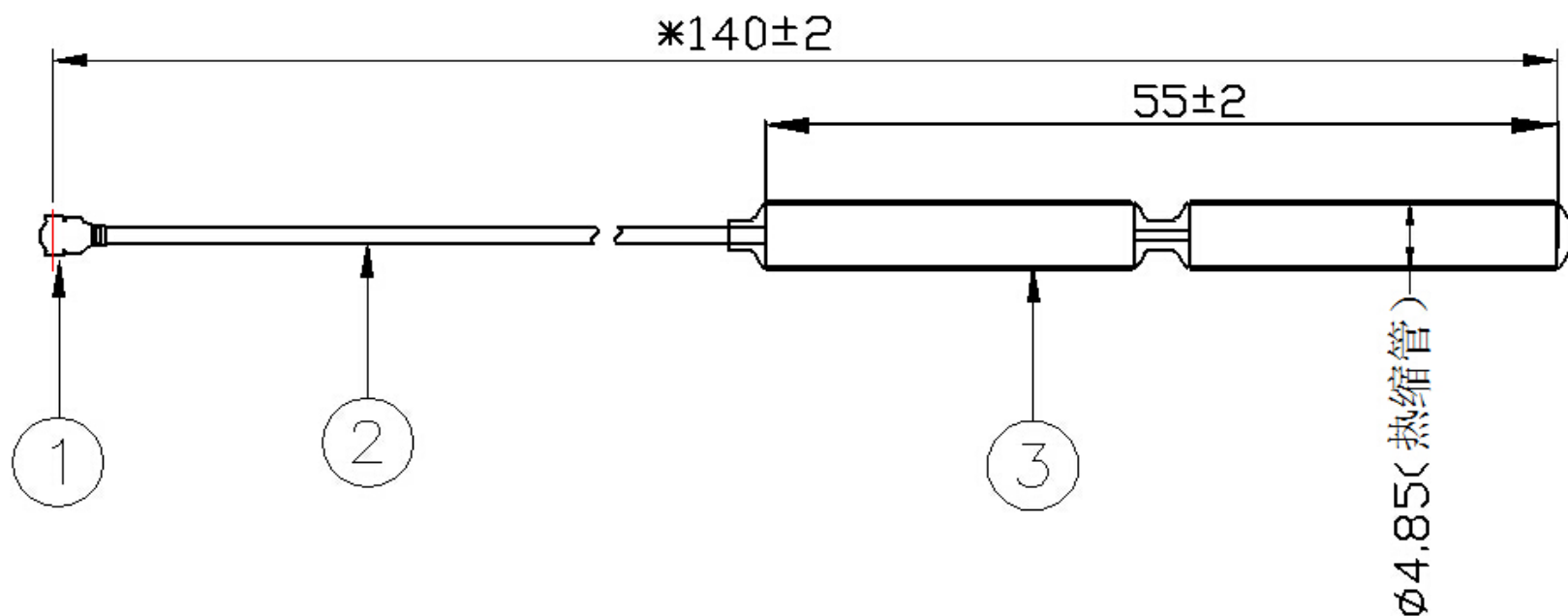


Test Reports

Electrical Properties	
Frequency	2400MHz-2.5MHz 5150MHz-5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	<= 2.0 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	2.52dBi 3.17dBi
Cable Loss	3.2 dB / m
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	CU
Cable Type	O.D. 1.13mm // 140 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

Dipole Antenna



3	NB080	CU	Φ4.4*24.5mm	2
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

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TITLE: 2.4G 5G 5.8G Antenna

PART NO.: NB245080-13B-IX140

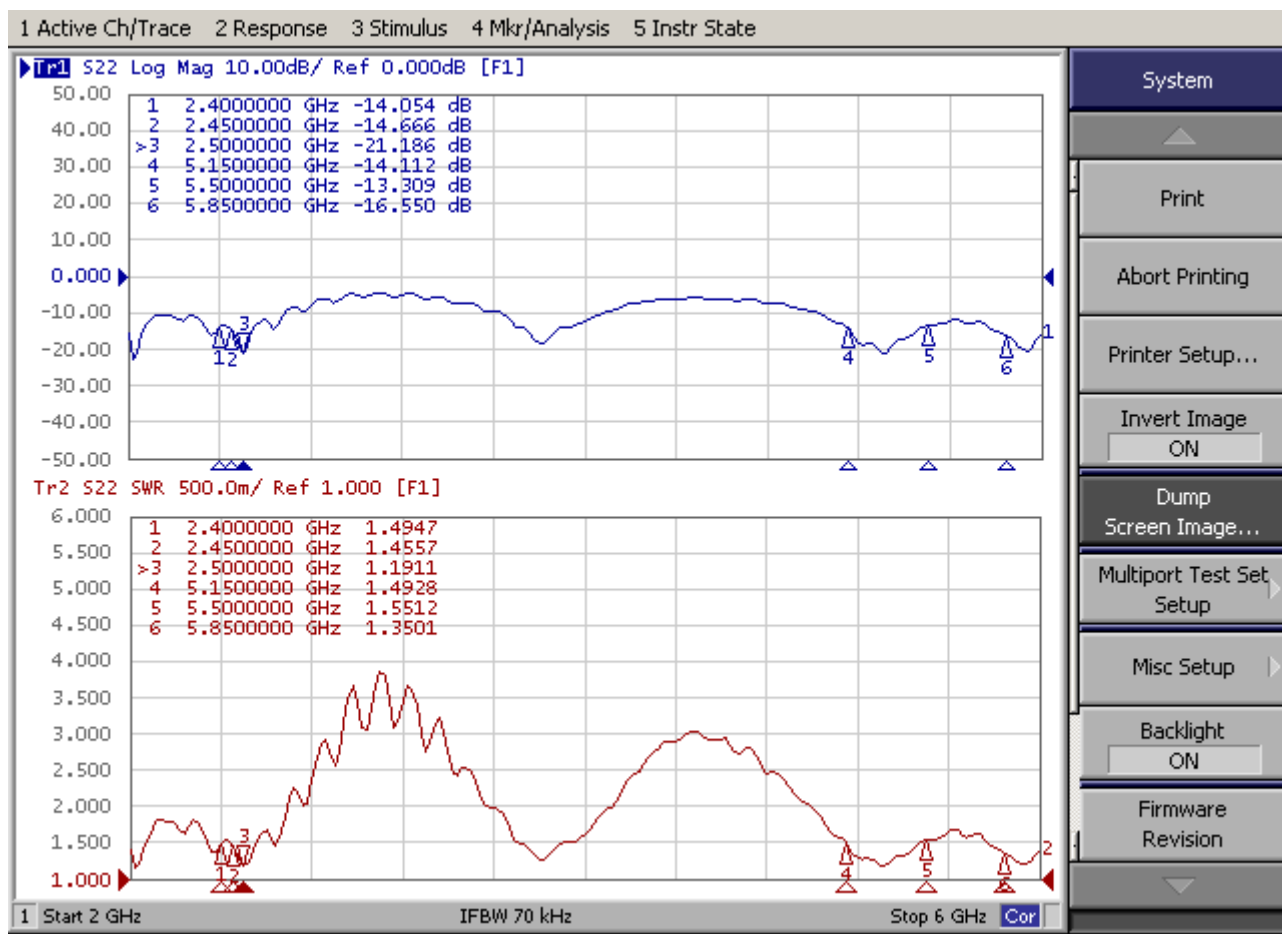
DWG NAME: NB245080-13B-IX140.DWG

APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
jeff 2014-02-26	leon 2014-02-26	YD 2014-02-26	UNITS: mm	X.X ±0.20
			SCALE: 1/1	X.XX ±0.10
			REVISION: A	X° ±3°

Product Number: NB245080-13B-IX140

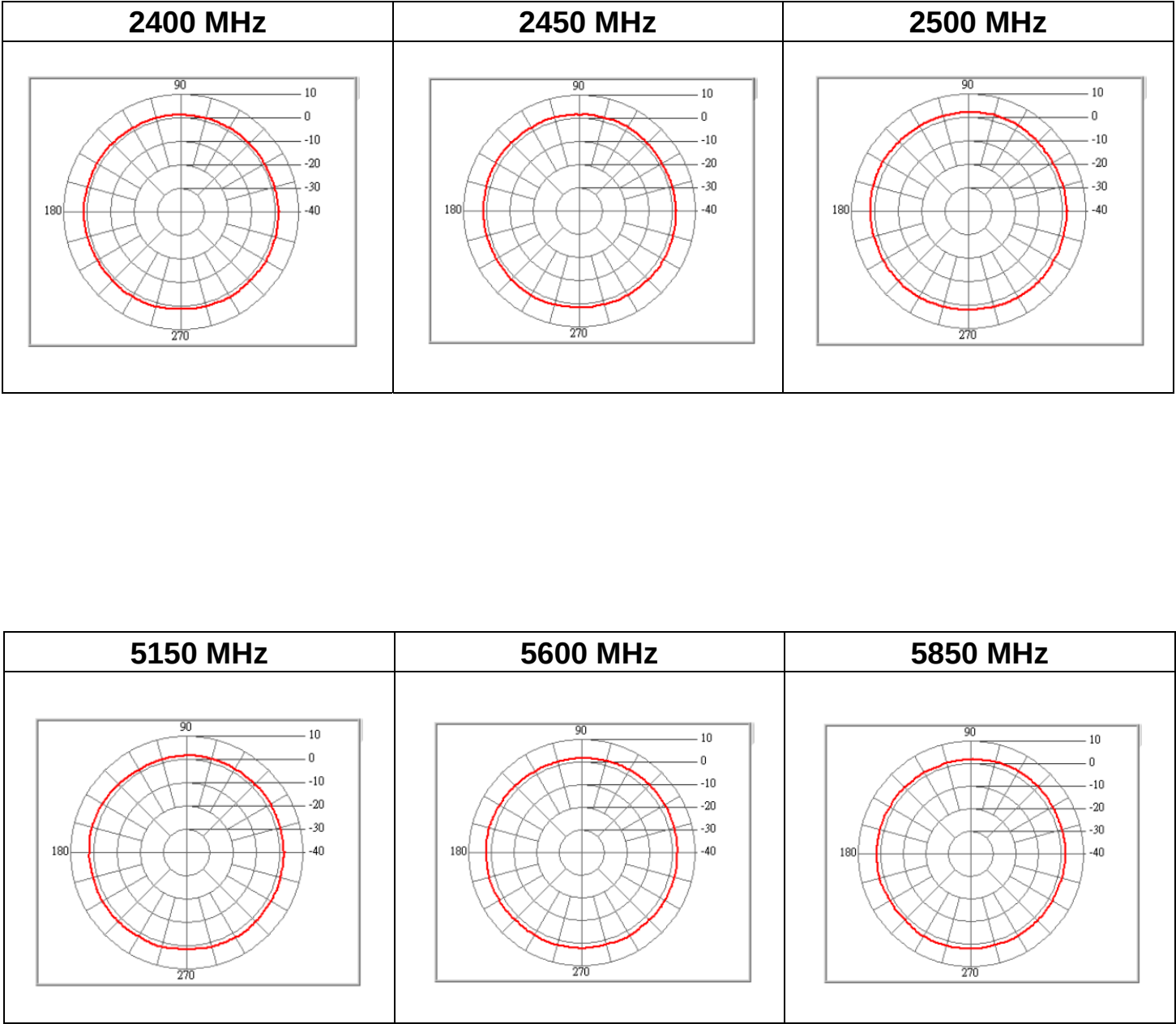
Product Name: Antenna

4. Antenna - S Parameter Test Data



Product Name: Antenna

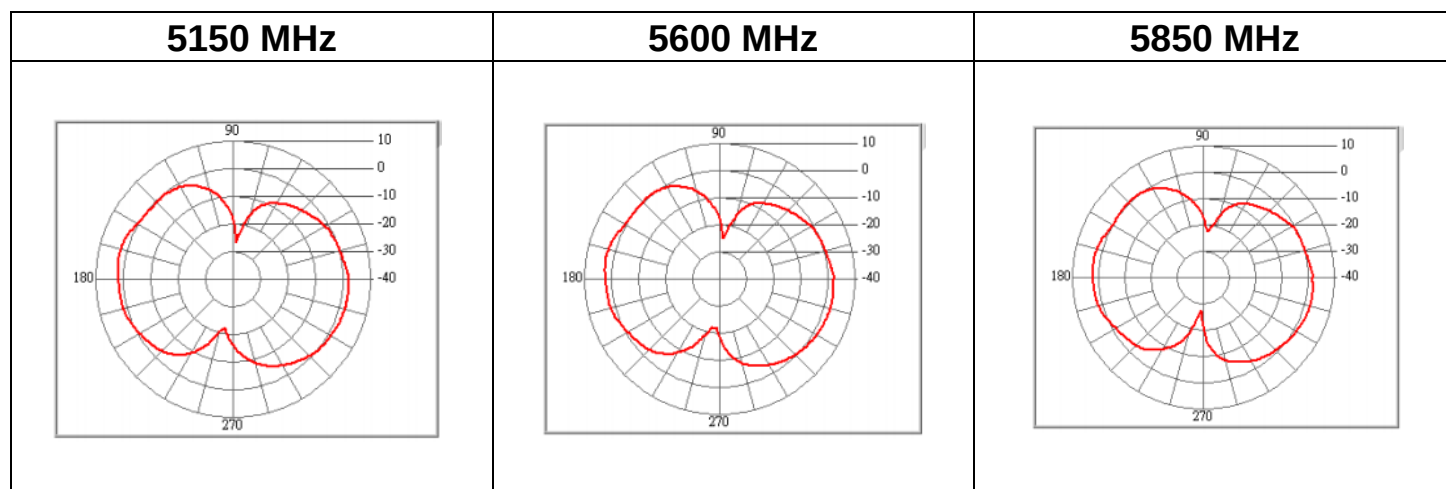
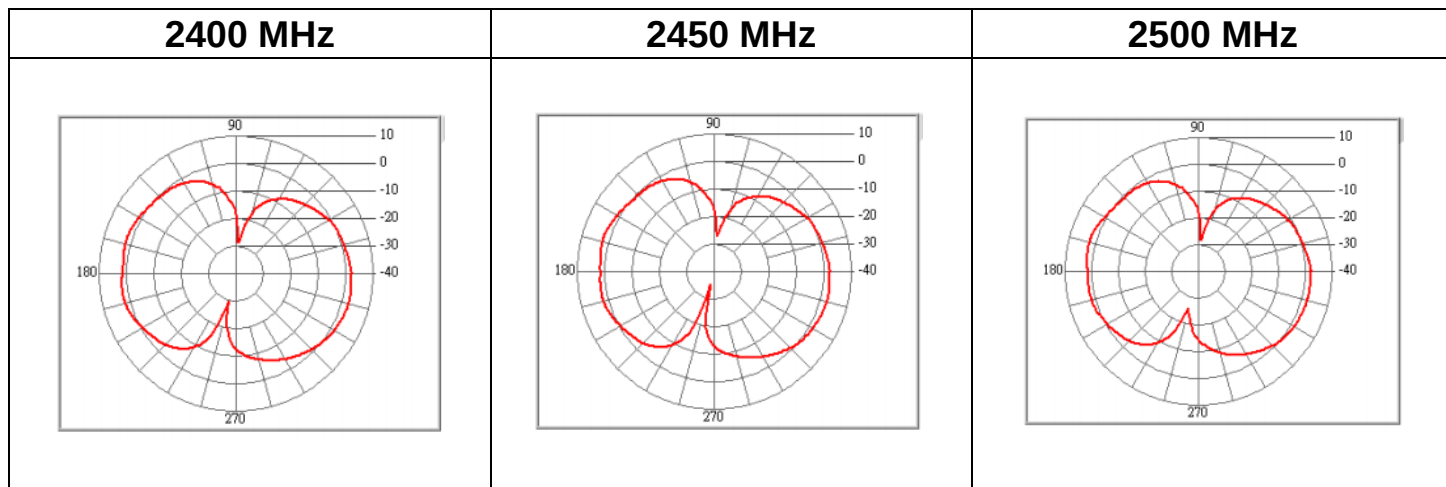
5. Antenna - Radiation Pattern Test Data
XY-PLANE



Product Name: Antenna

5. Antenna - Radiation Pattern Test Data

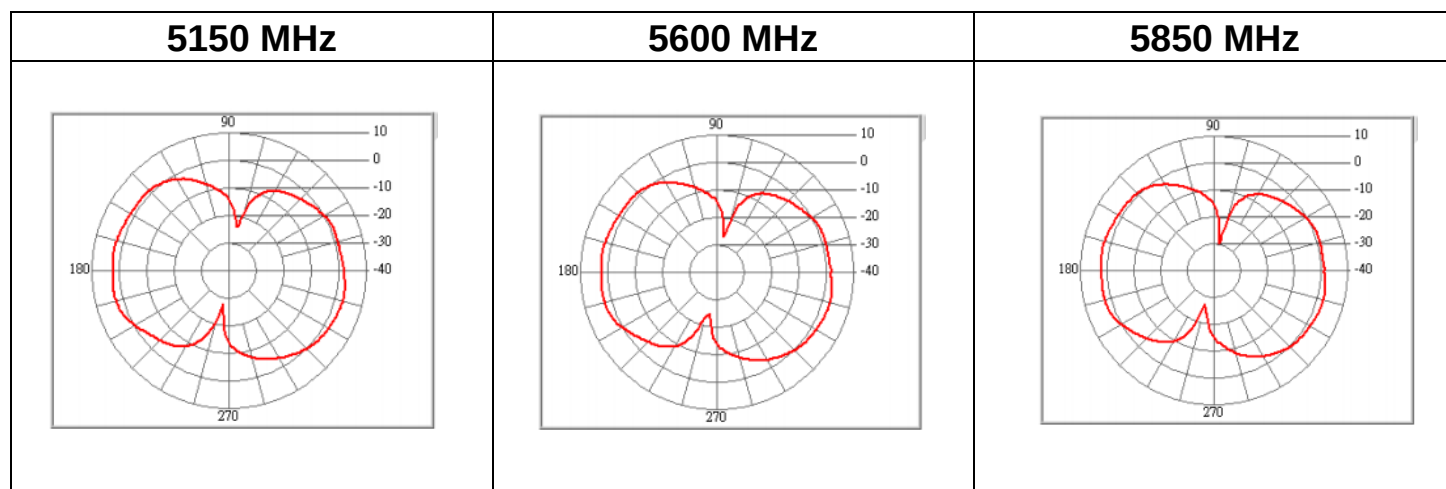
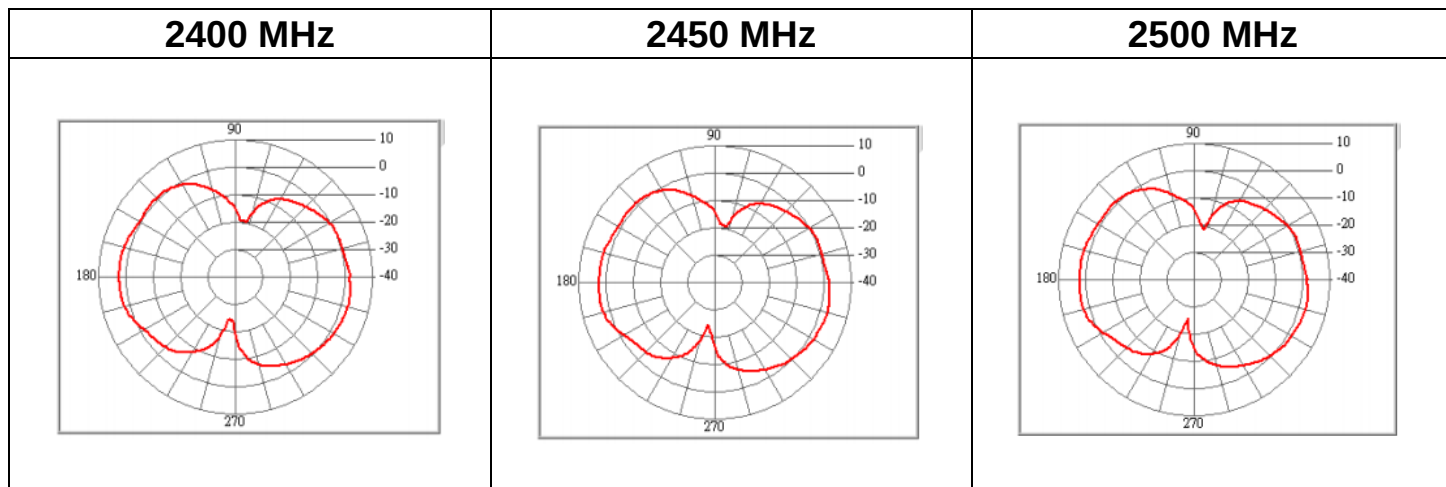
XZ-PLANE



Product Name: Antenna

5. Antenna - Radiation Pattern Test Data

YZ-PLANE



Frequency	2400	2450	2500	5000	5500	5800
Peak Gain(dbi)	2.52	1.92	2.23	3.17	2.91	2.76