

Confirmation Letter Project Table

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Dongguan Maitian Electronics Co., Ltd Tel:0769-33691210 Fax:0769-82381572

Address: Qilin East Road, Humen Town, Dongguan City

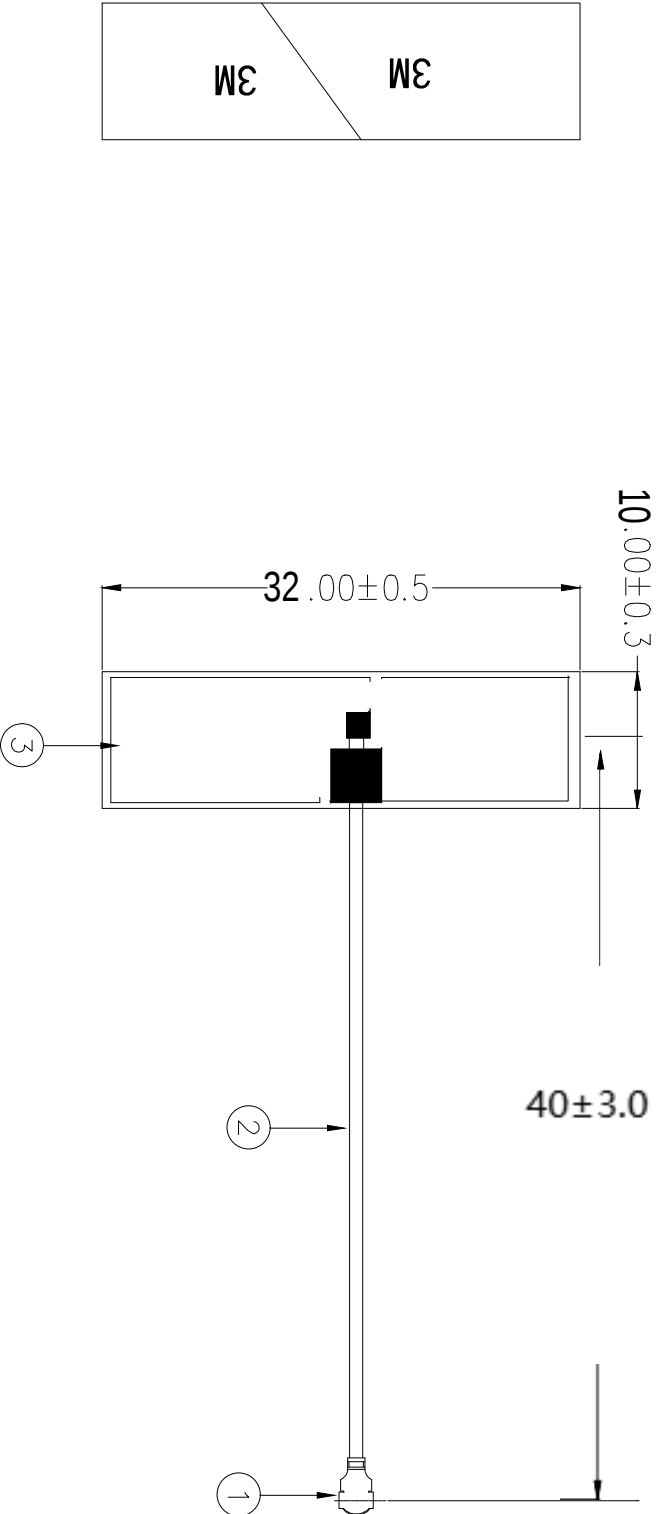
Specification Document

Electrical Properties	
Frequency	2400MHz-2500MHz
Impedance	50 Ohm Nominal
V.S.W.R	1.92 : 1 Max
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	3.89dBi
Cable Loss	3.2 dB / m Max @ 2450 MHz
Polarization	Linear, Vertical
Admitted Power	1 W
Connector	ipex
Physical Properties	
Antenna Material	FPCB
Cable Type	O.D. 1.13mm // 040 mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Black

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SIGN	DATE	DESCRIPTION	APPROVER
A			
A			
A			

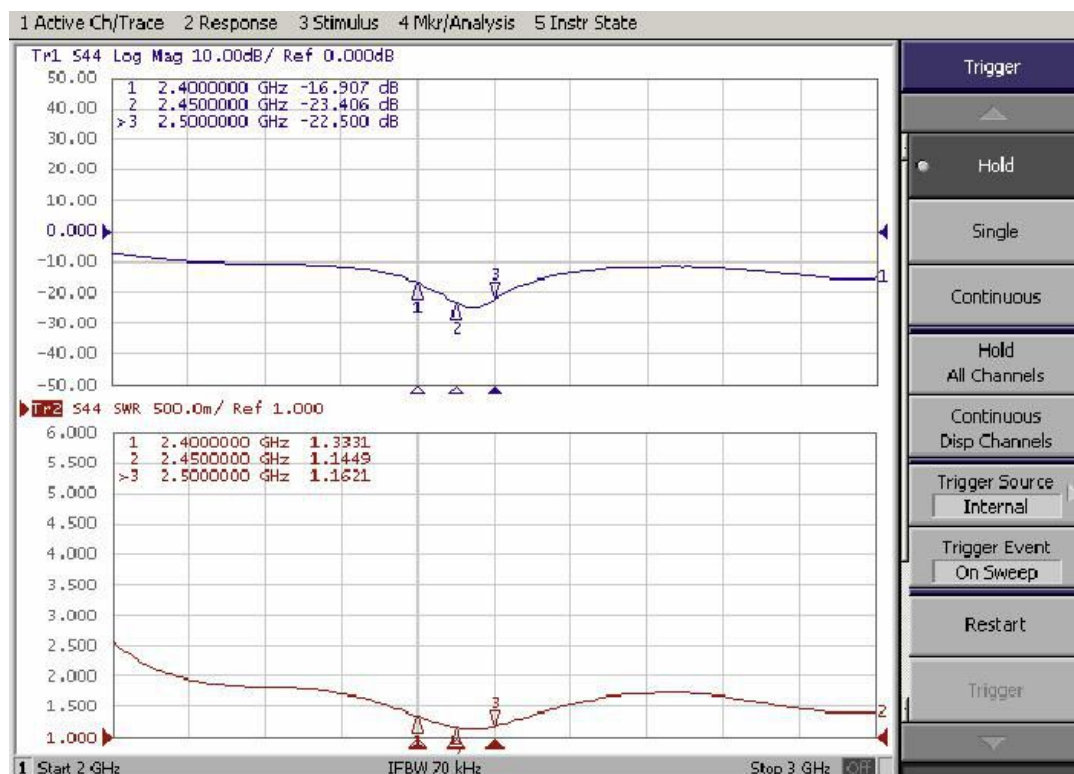
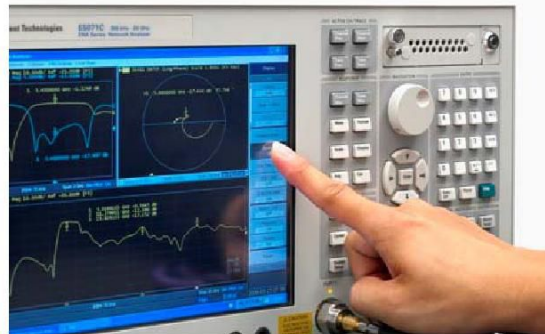


3	NB030B	FPC	32*10mm	1
2	R-CB-113B	Coaxial Cable	SHOWA-O.D. 1.13mm Black	1
1	CI-113	Connector	Mini Connector	1
No.	Part Number	Name	Material	Q'ty

Dongguan Maitian Electronics Co., Ltd				
Tel:86-0769-33691210				
TITLE: 2.4GHz Antenna				
PART NO.: NB030-13B-IX040		DWG NAME: NB030-13B-IX040.DWG		
APPROVED BY	CHECKED BY	DESIGNED BY	UNITS: mm	Tolerance
jeff	leon	YD	SCALE: 1/1	X.X 00.20
2014-02-26	2014-02-26	2014-02-26	REVISION: A	X.XX 00.10
				XA 08A

S Parameter Test

Agilent E5071C

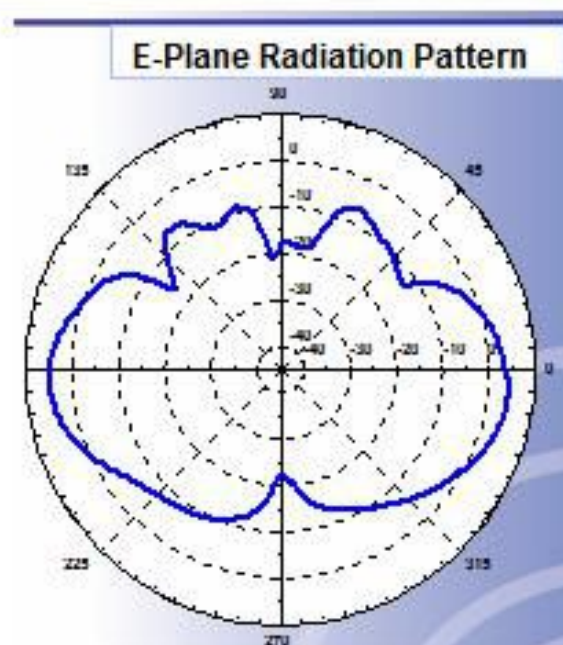


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Gain Test

*Antenna
Radiation
Pattern
VS
Gain*

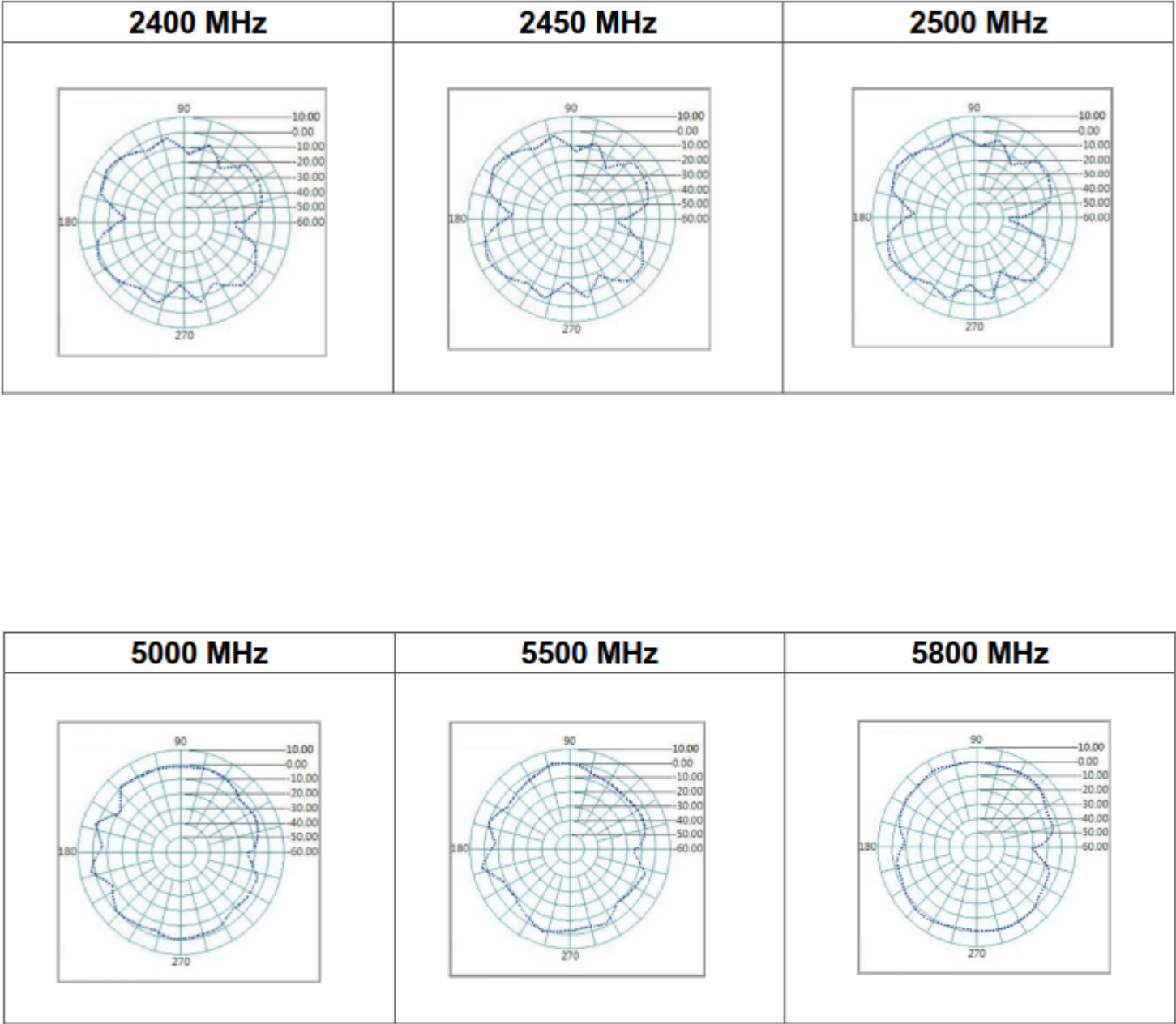


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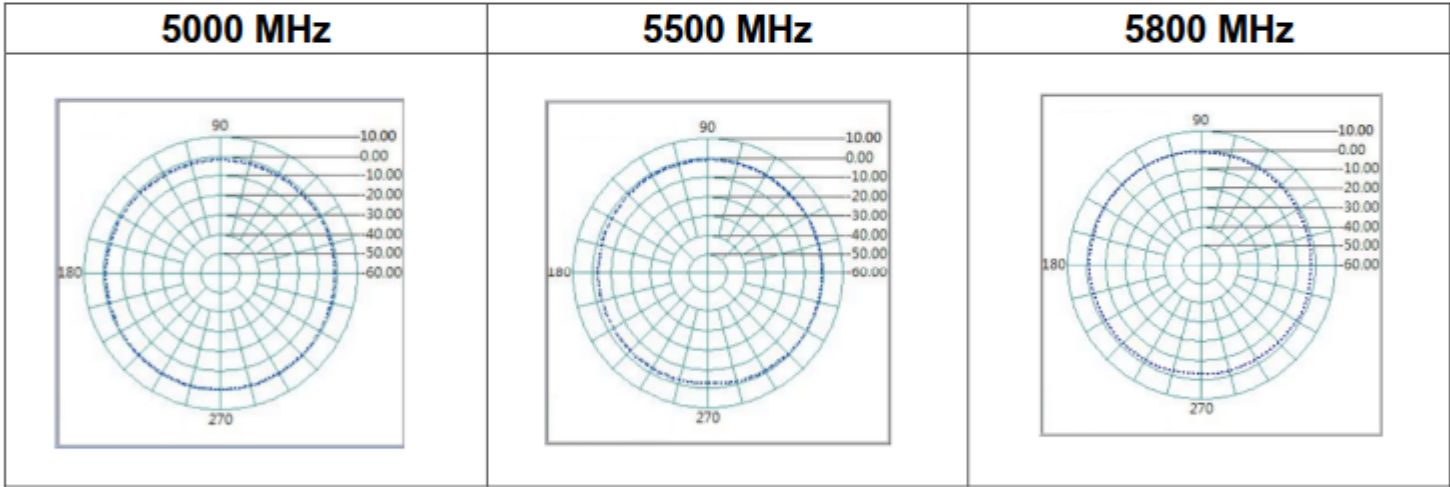
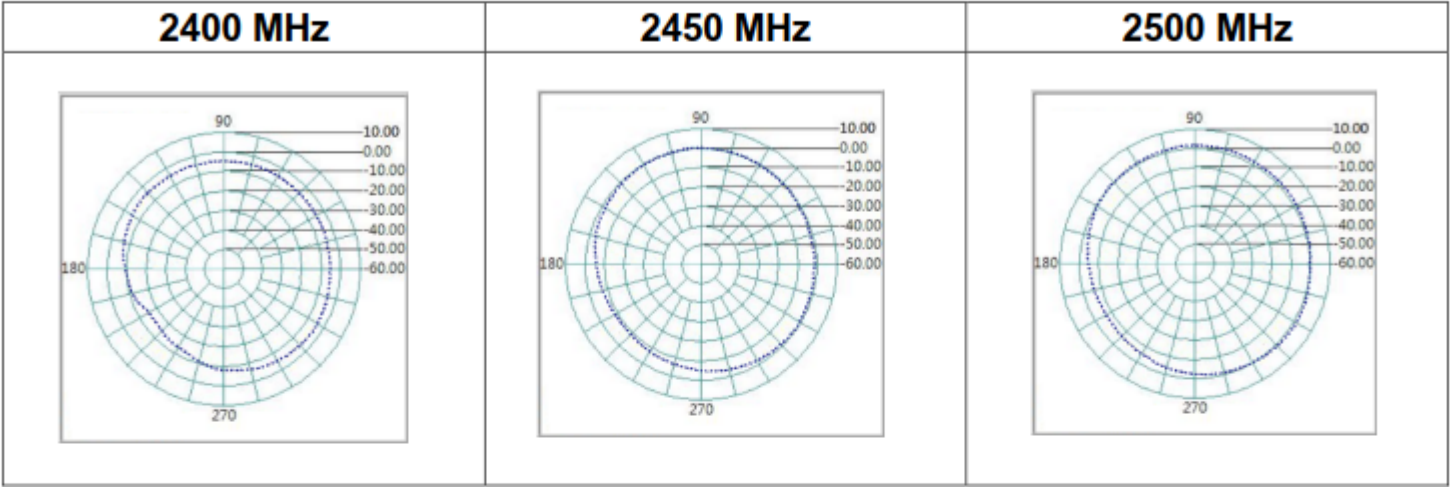
Product Name: Antenna

5. Antenna - Radiation Pattern Test Data
XZ-PLANE



Product Name: Antenna

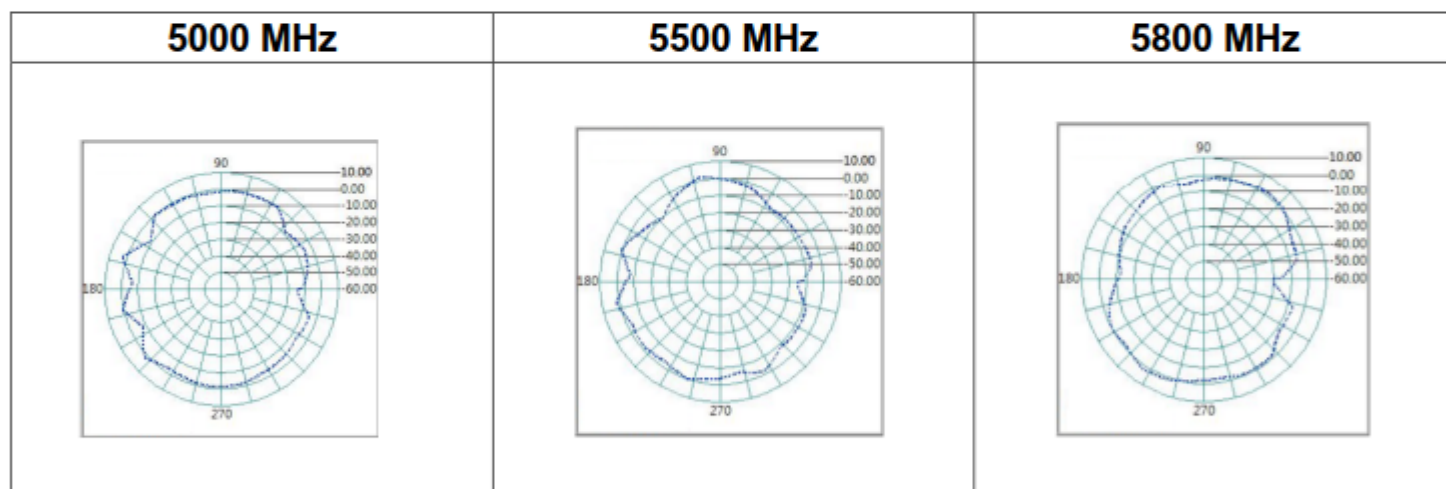
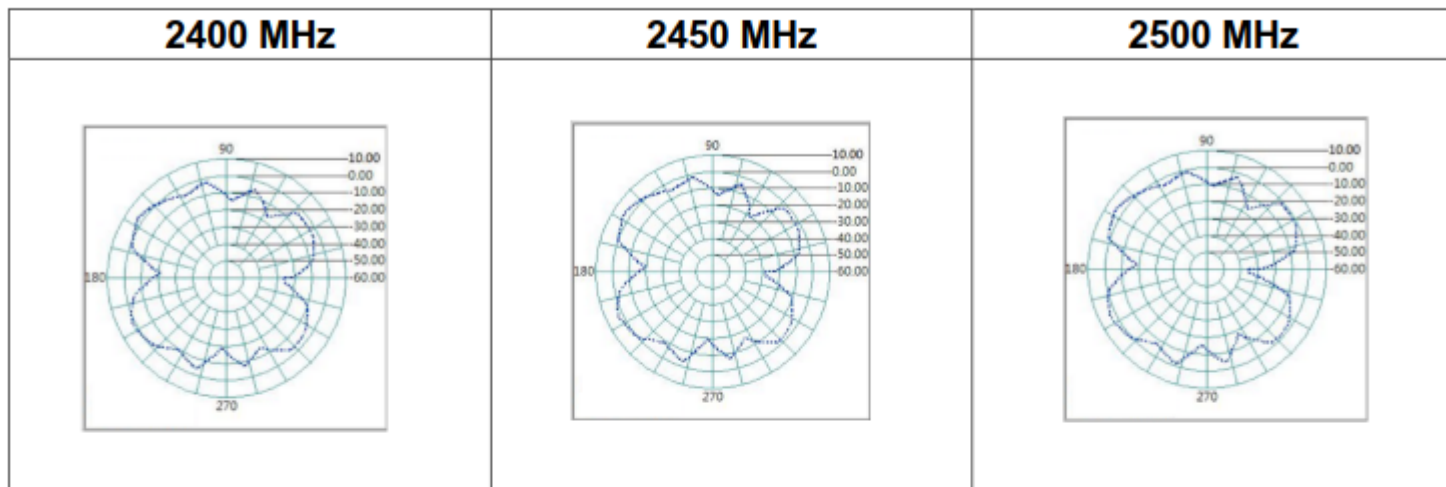
5. Antenna - Radiation Pattern Test Data
XY-PLANE



Product Name: Antenna

5. Antenna - Radiation Pattern Test Data

YZ-PLANE



Frequency	2400	2450	2500	5000	5500	5800
Peak Gain(dbi)	3. 41	3. 72	3. 89	2. 64	2. 97	2. 34