

品名：RFPCA430745IMAB901

1. Explanation of part number :

RF	PCA	4307	45	I	M	A	B	9	01
Type Code	Product Code	PCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	PCB Antenna	Per 2 digits of length, width e.g.: 3205 Length 32mm, Width 5mm	2 digits for cable length e.g.: 08 Length 8cm	A: N C:MCX D:IPEX III E: IPEX IV F: IPEX A13 H: Hirose I: IPEX M: MMCX S: SMA T: TNC U:MURATA N: None	A: Reverse Female B: Reverse Male F: Female M: Male N: None	0: 0GHz 3: 3GHz 5: 5GHz 6: 6GHz A: 2.4GHz ISM band B: GSM 900/1800 dual band G: GPS band L: 2.4/5.2/5.8 GHz tri-band R:902~928 MHz N: NFC T: LTE band W: WCDMA band	B: MP T:During Test X: Pile Run	0:None 1:∅ 0.81 2:∅ 1.32 3:∅ 1.13 4:Low Loss ∅ 1.13 5:∅ 0.5 6:RG316 7: ∅ 1.37 8:RG178 9:Low Loss ∅ 1.37	01~99 series number

2. Electrical Specification :

Item	Specification
Working Frequency Range	2.4~2.5 GHz
Return Loss	-10 dB(Max)
VSWR	2 max.
Gain	2.71 dBi
Impedance	50 Ohm Nominal
Radiation	Omni-directional
Polarization	Linear Vertical
Operation Temperature	-20° C~+65° C

UNLESS OTHER SPECIFIED TOLERANCES ON :
 X = N/A X.X = N/A X.XX = N/A
 ANGLES = N/A HOLEDIA = N/A



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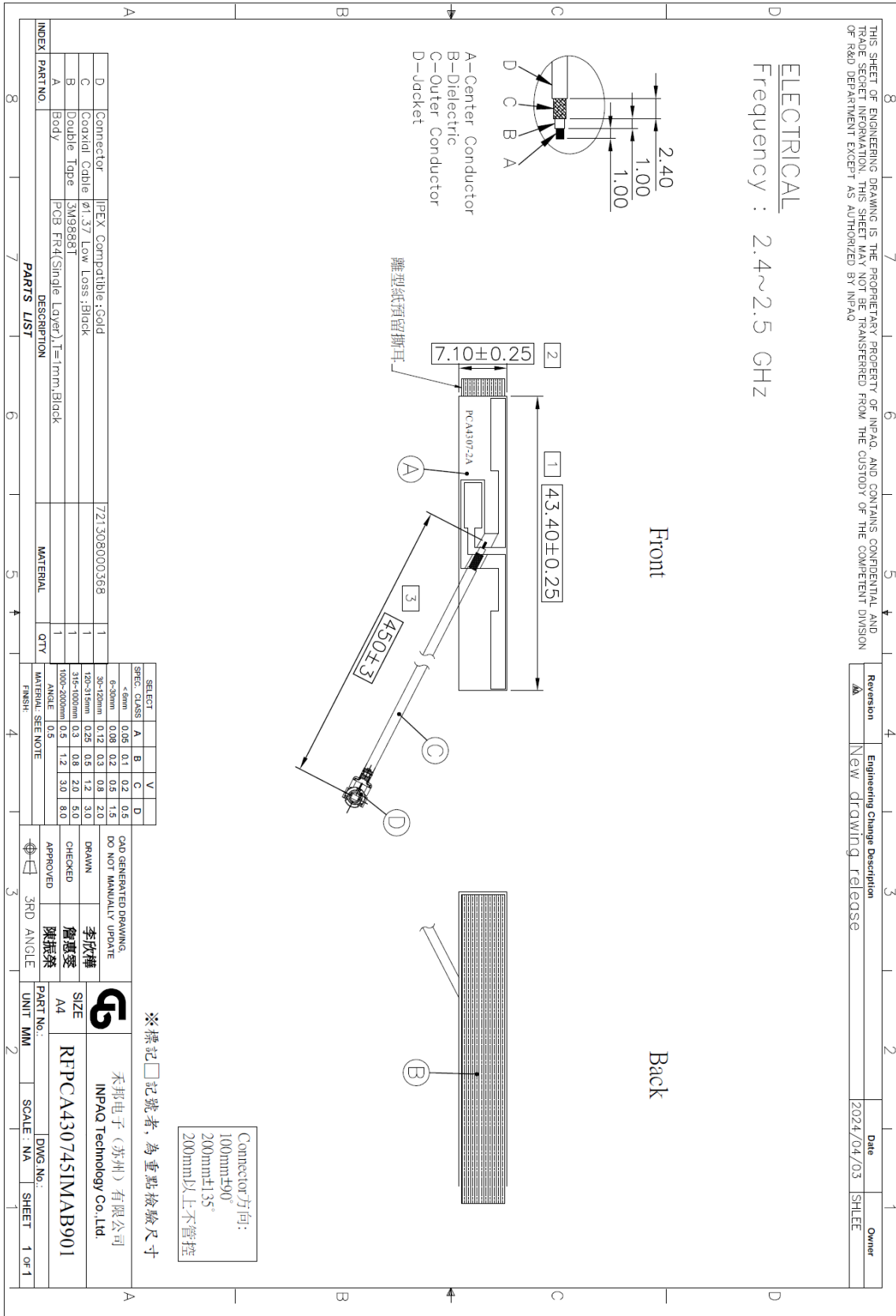
SCALE : N/A UNIT : mm
 DRAWN BY : 李欣樺 CHECKED BY : 詹惠雯
 DESIGNED BY : 黃瑞郎 APPROVED BY : 陳振榮


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3. Antenna Drawing :

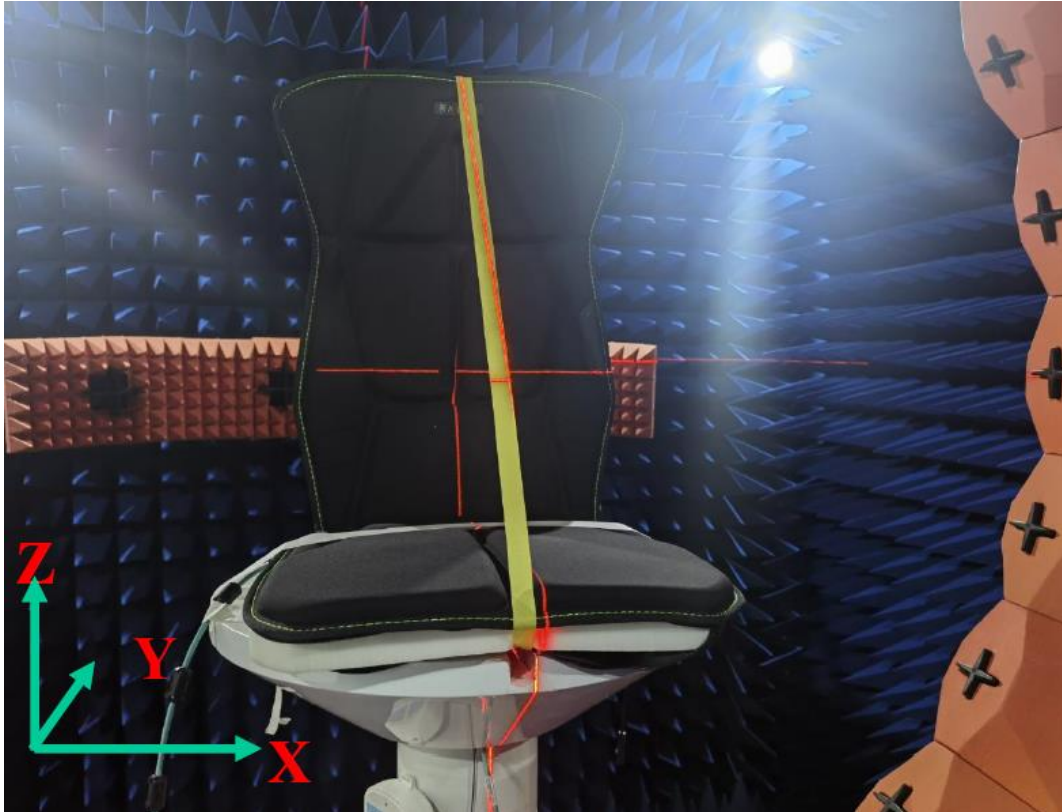



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4. Performance Report :

Test Report

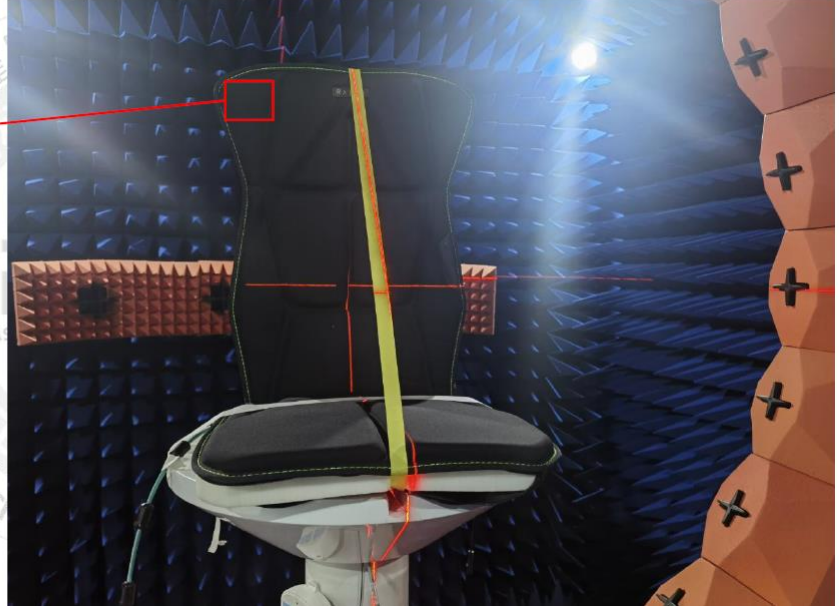
ELECTRICAL CHARACTERISTICS




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■ Antenna Solution Detail

放颈部附近

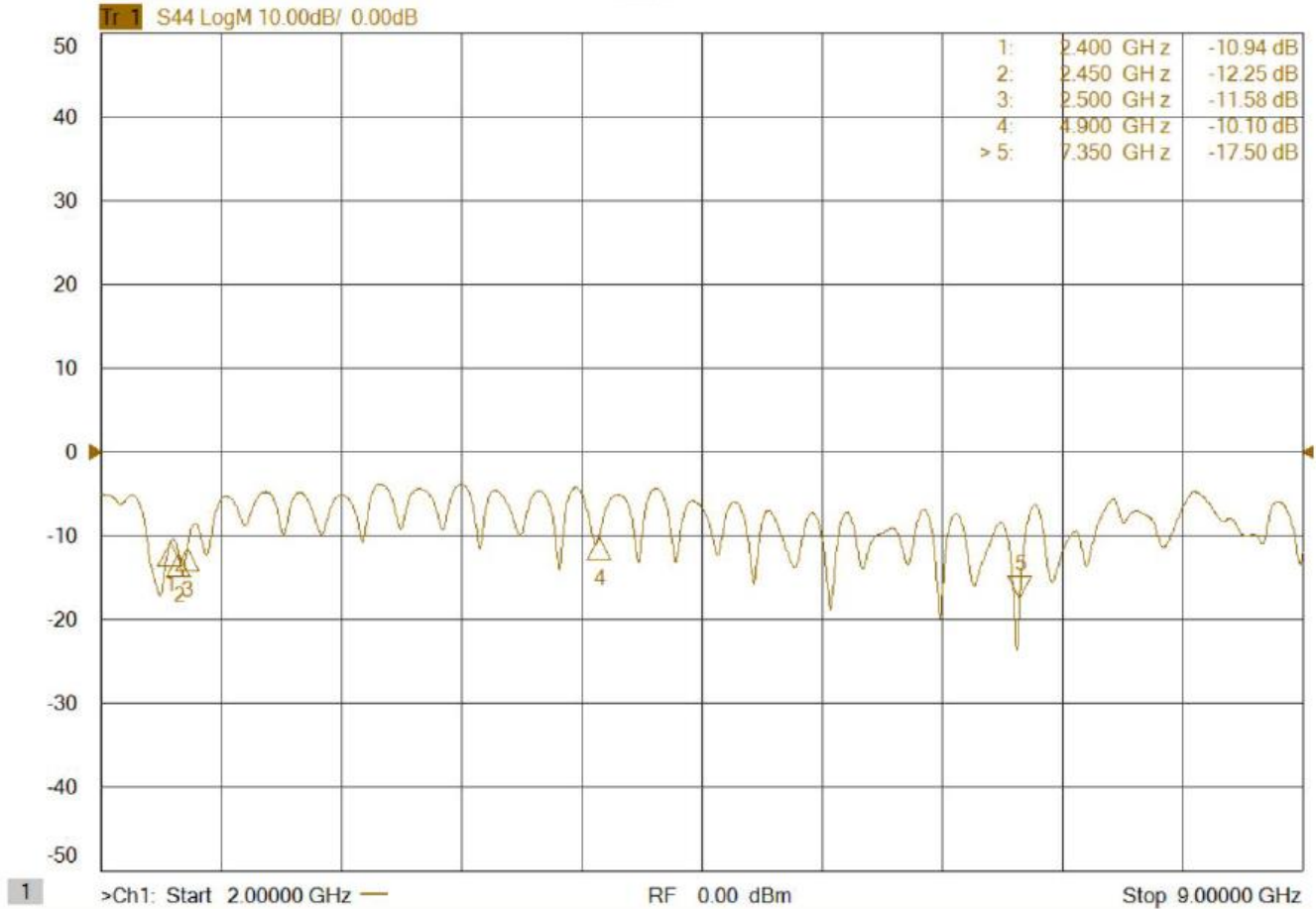



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ELECTRICAL CHARACTERISTICS

S-Parameter

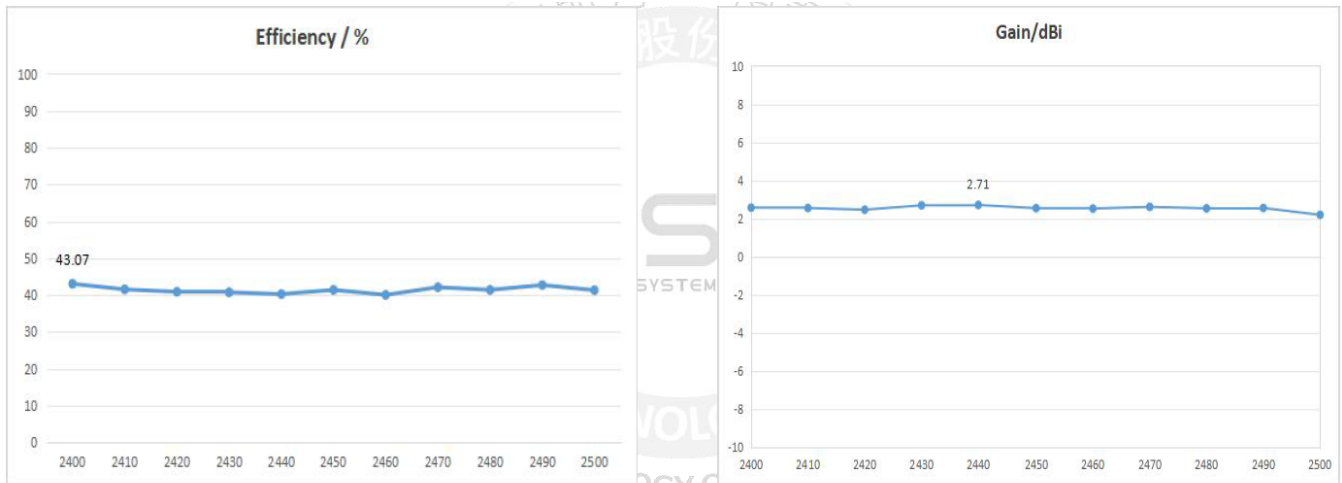
放颈部附近



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Efficiency & Peak Gain

放颈部附近



Maximum Efficiency at 2400 MHz : 43.07 %

Maximum Peak Gain at 2440MHz : 2.71dBi

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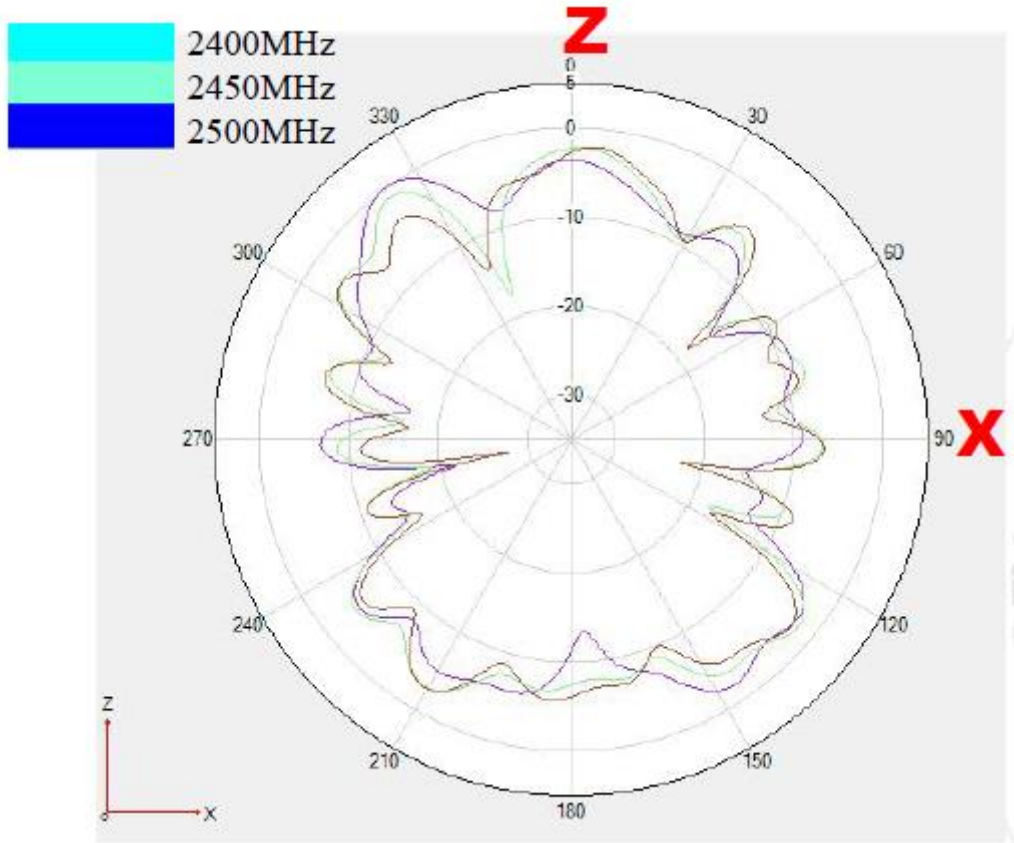
Radiation Patterns


放颈部附近

X-Z Plane

Phi=0.00deg

Gain . dB

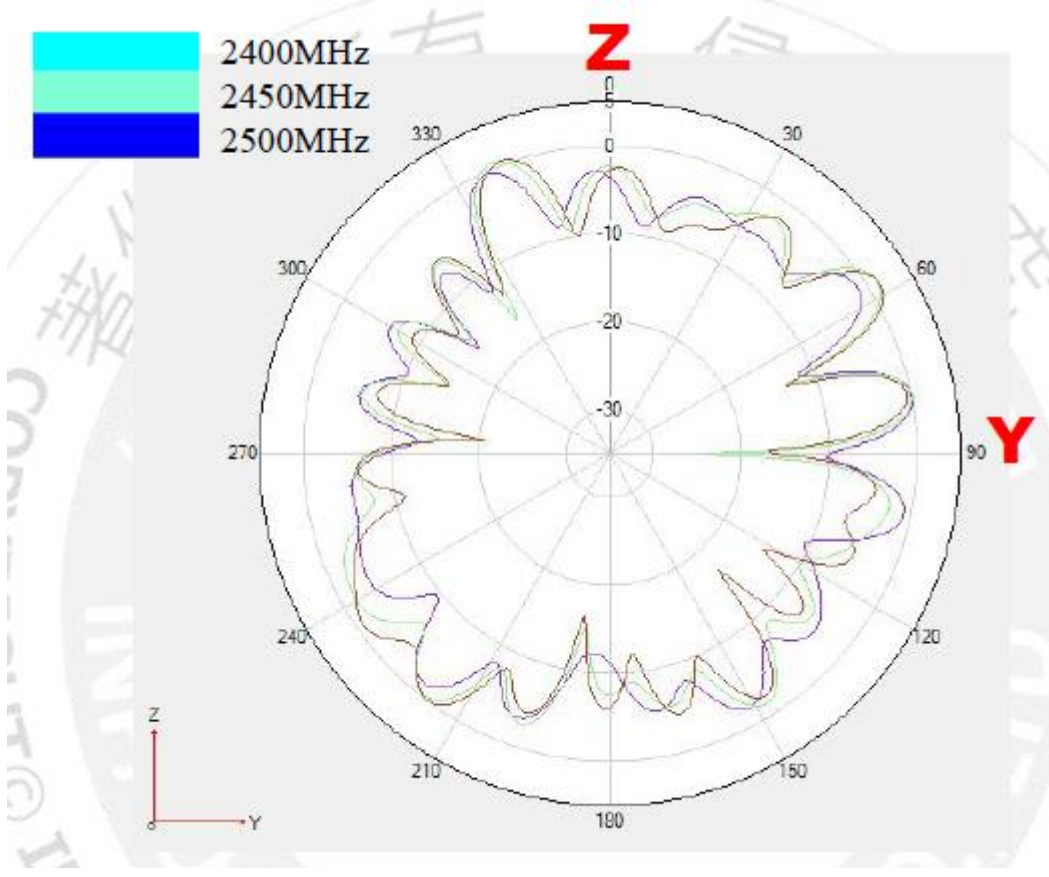



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Y-Z Plane

Phi=90.00deg

Gain . dB

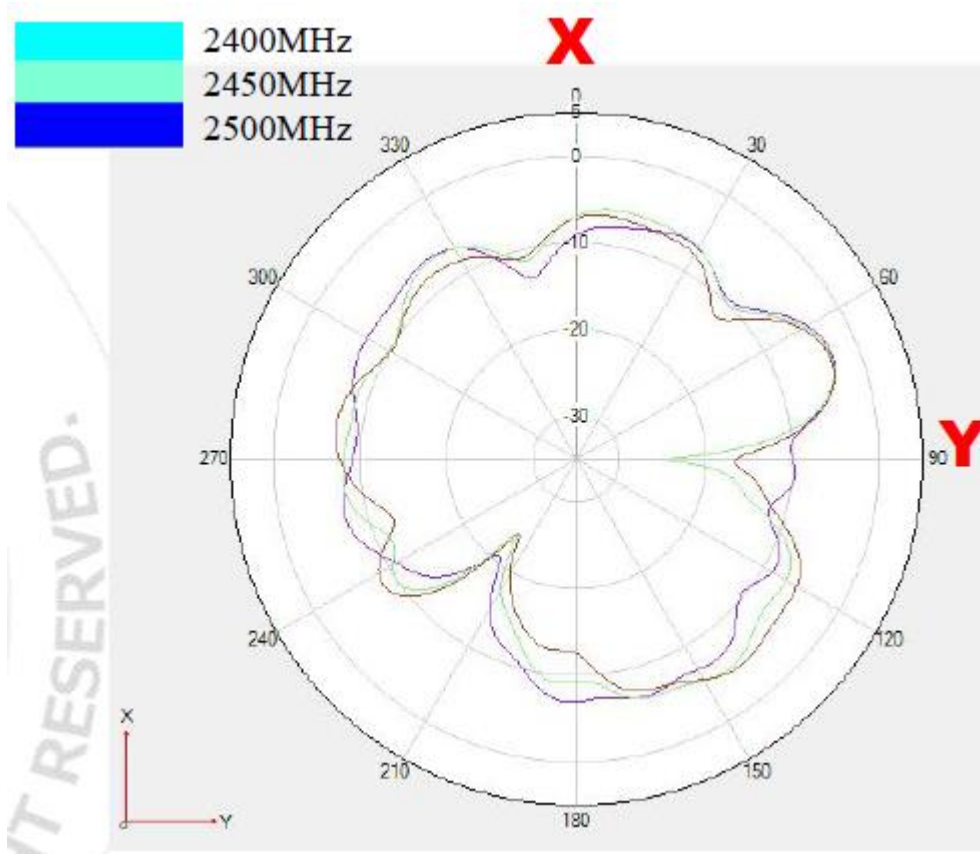


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X-Y Plane

Theta=90.00deg

Gain . dB



Frequency [MHz]	ZX plane		ZY plane		XY plane	
	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	0.16	-7.02	0.07	-5.33	-3.08	-8.46
2450	-1.04	-6.81	1.23	-5	-3.26	-8.59
2500	-2.08	-7.31	1.35	-5.46	-3.4	-8.76

UNLESS OTHER SPECIFIED TOLERANCES ON :
 X=N/A X.X=N/A X.XX=N/A
 ANGLES=N/A HOLEDIA=N/A



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