

[illegible]

品名：RFPCA460713IMAB301

1. Explanation of part number：

RF	PCA	4607	13	I	M	A	B	3	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.: 2221 Length 22mm, Width 21mm	2 digits for cable length e.g.: 14 Length 14.5cm	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 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	2.0 Max.
Peak Gain	4.25 dBi
Impedance	50 Ohm Nominal
Radiation	Omni-directional
Polarization	Linear Vertical
Operation Temperature	-20℃ ~ +65℃

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



INPAQ TECHNOLOGY CO., LTD.

SCALE：N/A

UNIT：mm

DRAWN BY：李欣樺

CHECKED BY：詹惠雯

DESIGNED BY：黃瑞郎

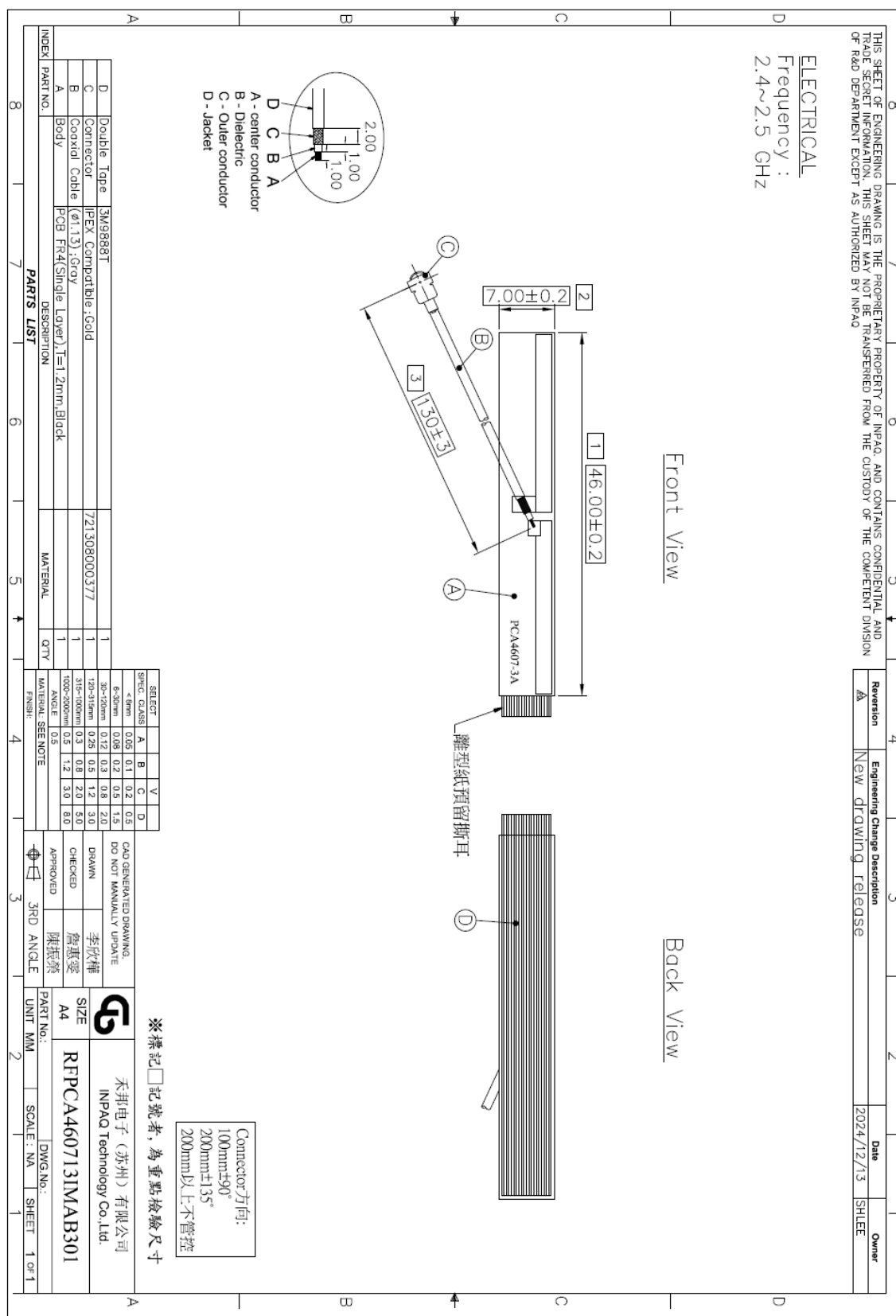
APPROVED BY：陳振榮

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3. Antenna Drawing :



UNLESS OTHER SPECIFIED TOLERANCES ON :
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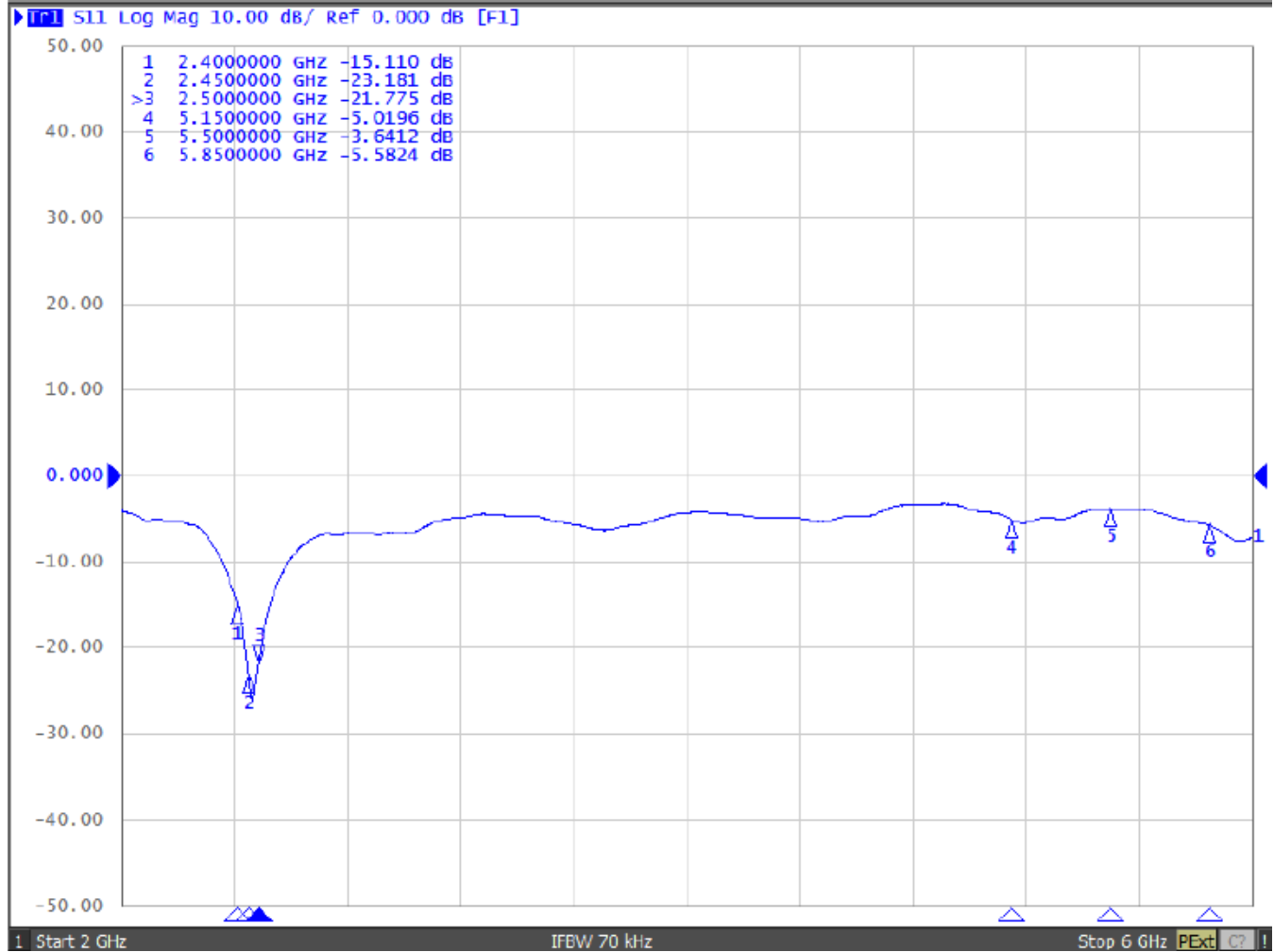
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ELECTRICAL CHARACTERISTICS

Return Loss



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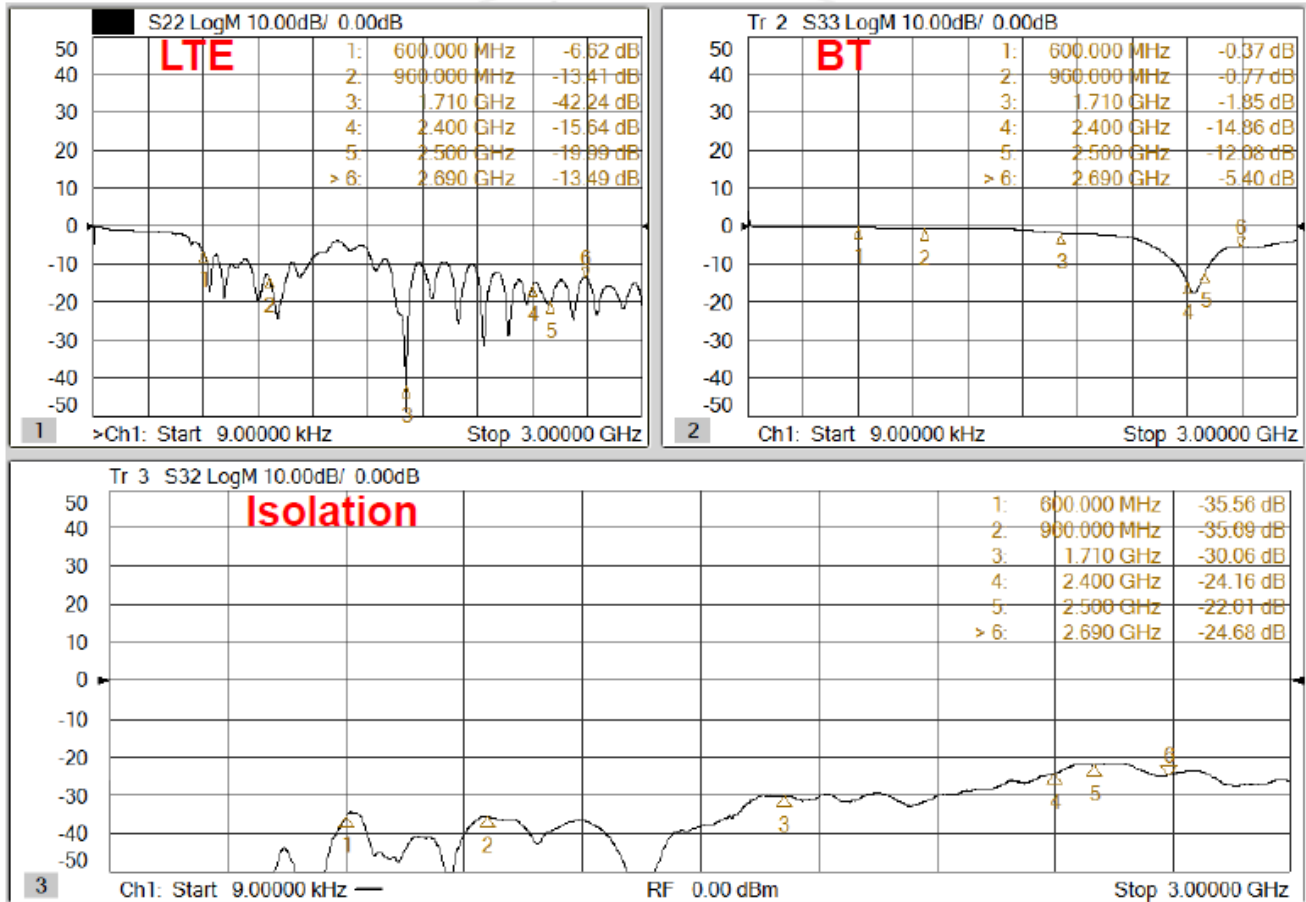
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Return Loss & Isolation

BT



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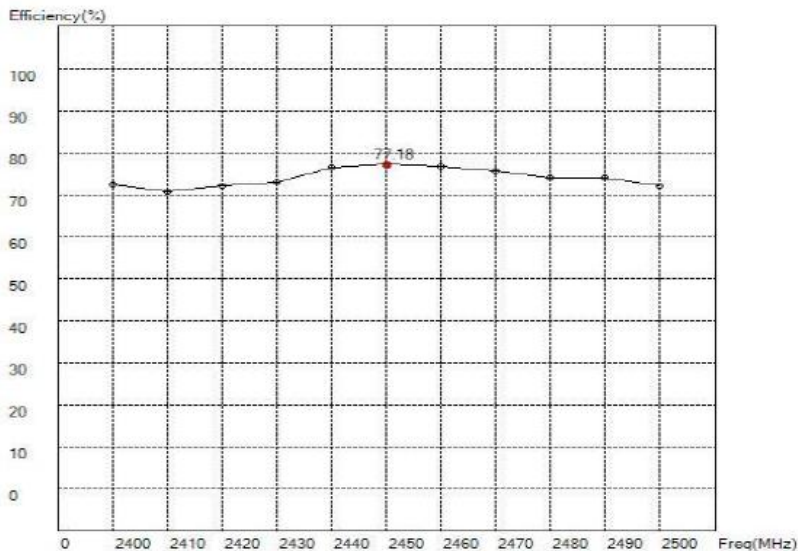
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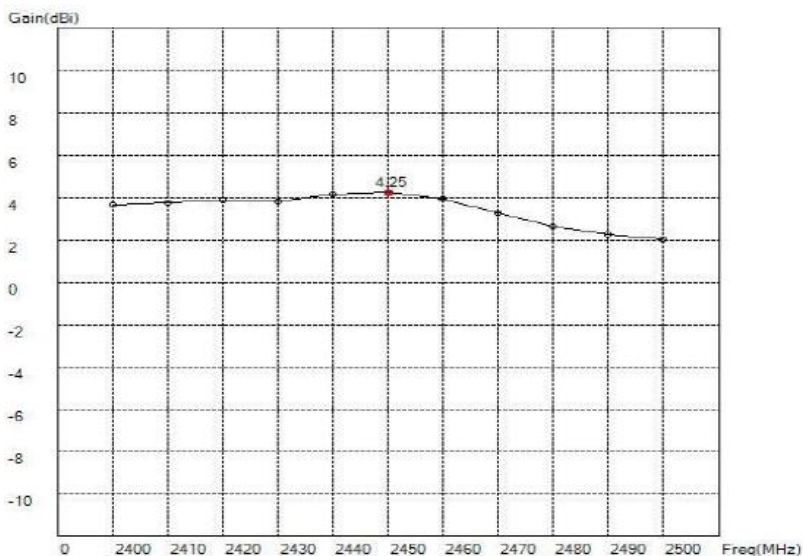
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Antenna Efficiency and Peak Gain



Maximum Efficiency at 2450 MHz : 77.18 %



Maximum Peak Gain at 2450 MHz : 4.25 dBi

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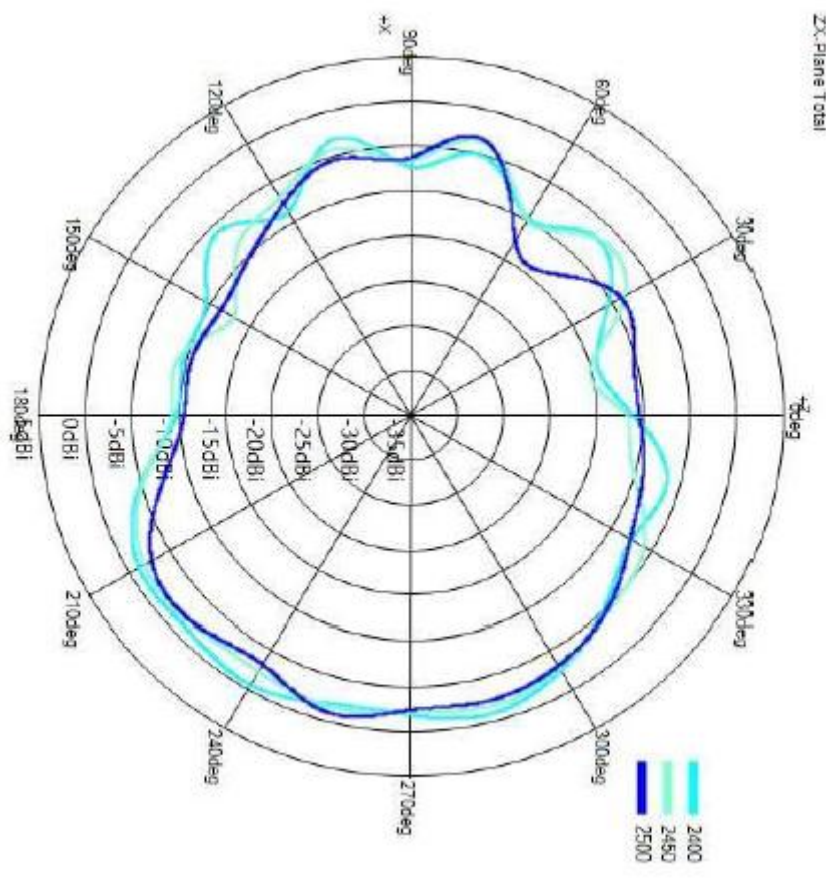
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RADIATION PATTERN**2400~2500 MHz****Phi=0.00deg****Gain . dBi**

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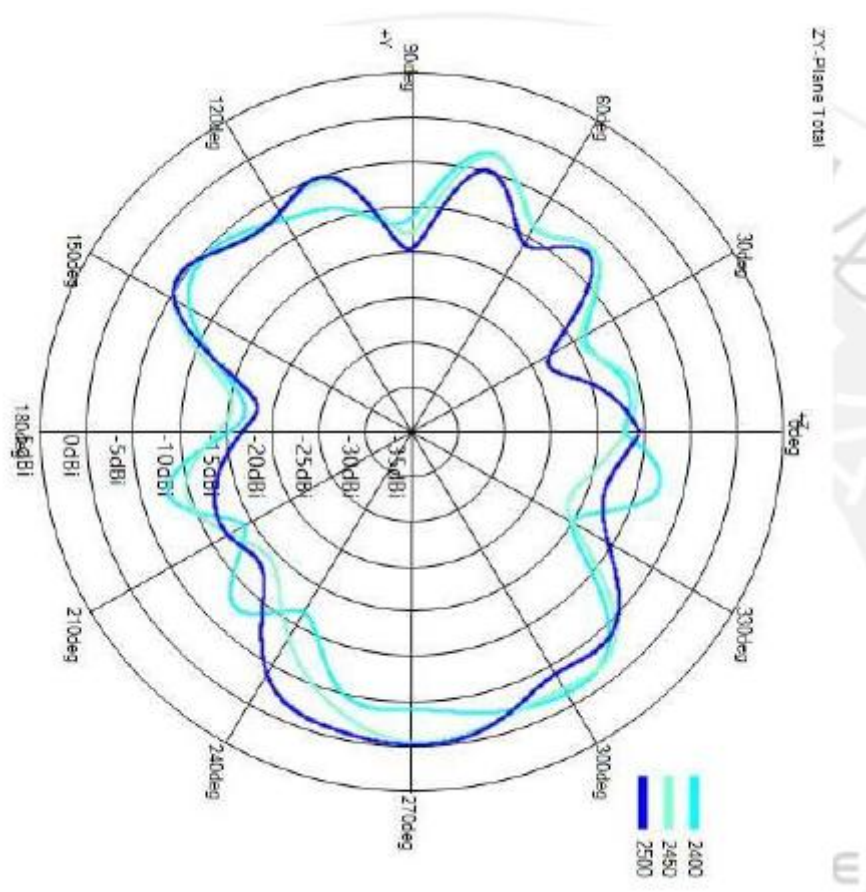
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Phi=90.00deg

Gain . dBi



UNLESS OTHER SPECIFIED TOLERANCES ON :
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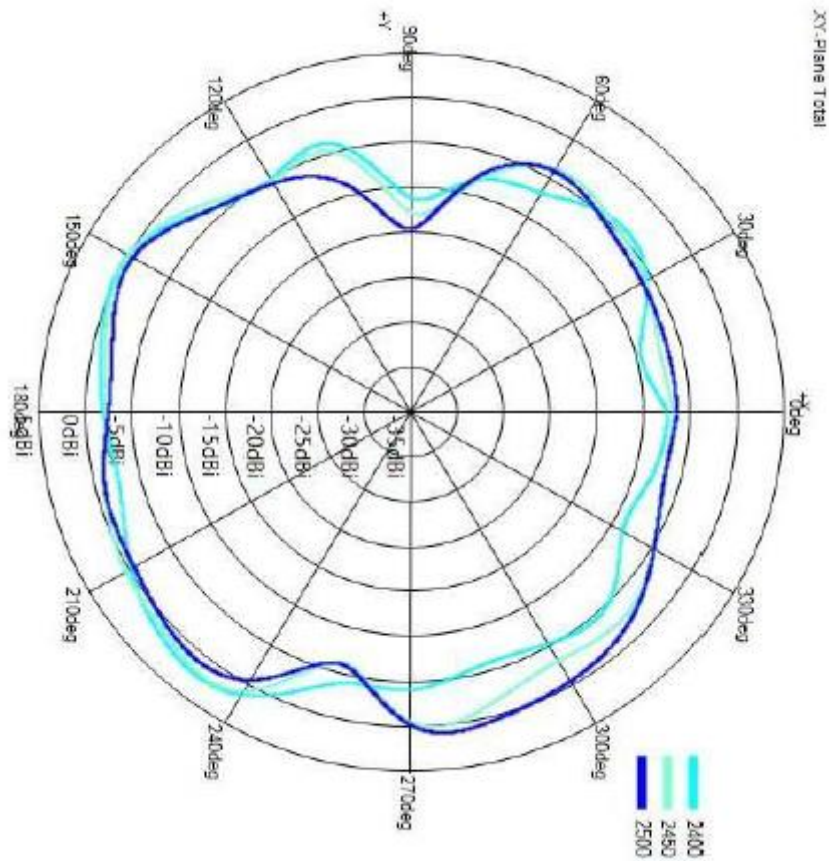
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Theta=90.00deg

Gain . dBi



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	-0.64	-4.51	-1.50	-6.79	1.83	-3.22
2450	-1.65	-4.93	-0.56	-6.12	1.19	-2.64
2500	-1.02	-5.37	-0.25	-5.96	0.62	-2.77

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