

[illegible]

品名：RFPCA360827IMAB401

1. Explanation of part number：

RF	PCA	3608	27	I	M	A	B	4	01
Type Code	Product Code	PCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
Walsin RF Device	PCB Antenna	Per 2 digits of length, width e.g.: 3608 Length 36.54mm, Width 8.59mm	2 digits for cable length e.g.: 27 5G1: Length 27.5cm	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 6: 6GHz 5: 5GHz 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: $\varnothing$ 0.81 2: $\varnothing$ 1.32 3: $\varnothing$ 1.13 4: Low Loss $\varnothing$ 1.13 5: $\varnothing$ 0.5 6: RG316 7: $\varnothing$ 1.37 8: RG178 9: Low Loss $\varnothing$ 1.37	01~99 series number

2. Electrical Specification：

Item	Specification
Working Frequency Range	2.4 ~ 2.5 GHz
Peak Gain	1.99 dBi
Return Loss	-10 dB
VSWR	2 max.
Polarization	Linear Vertical
Radiation Pattern	Directional
Impedance	50 Ω
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：劉采璇

CHECKED BY：詹惠雯

DESIGNED BY：蕭鴻章

APPROVED BY：陳振榮

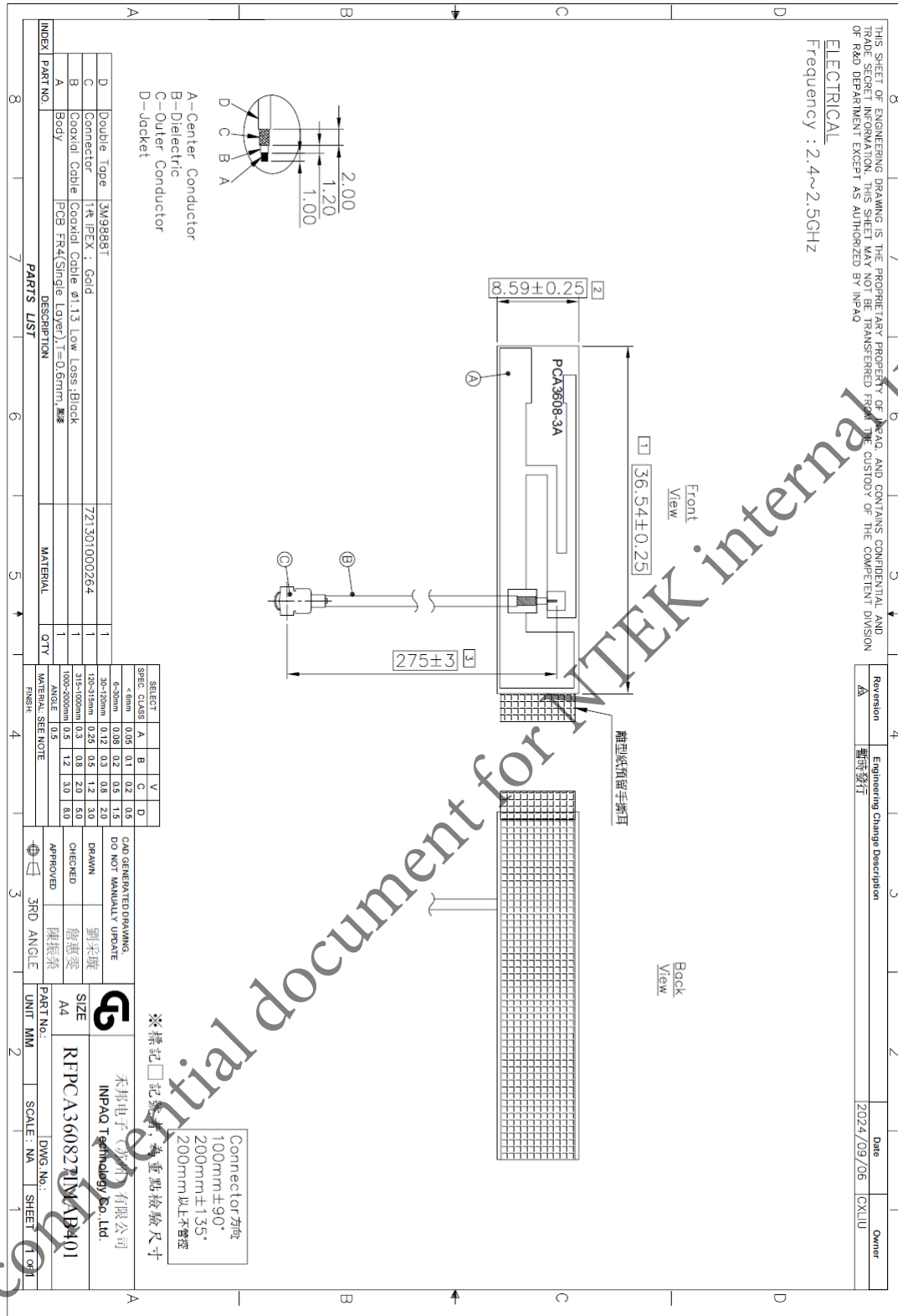
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3. Antenna Drawing :



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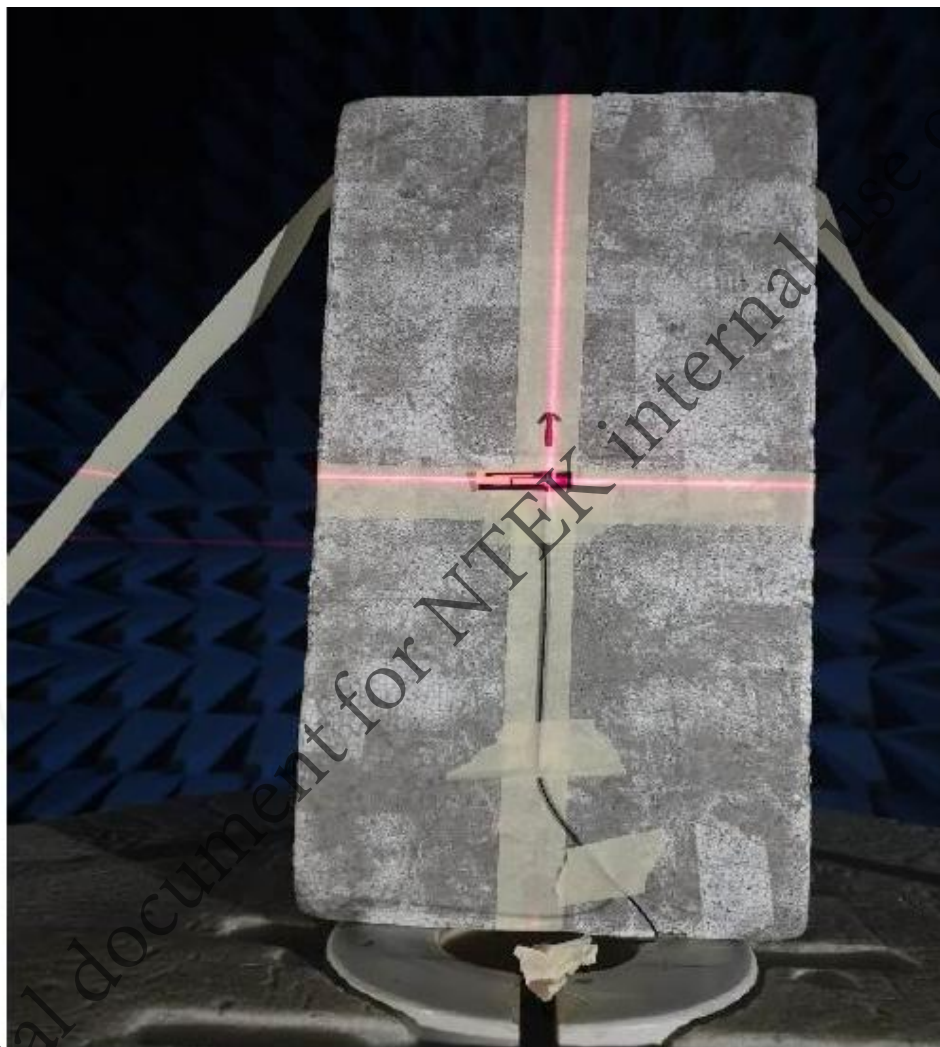
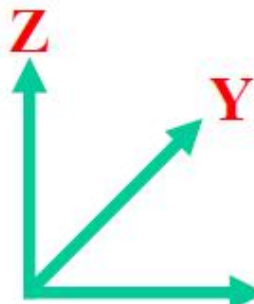
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4. Performance Report :

Test Report**Experimental Setup**

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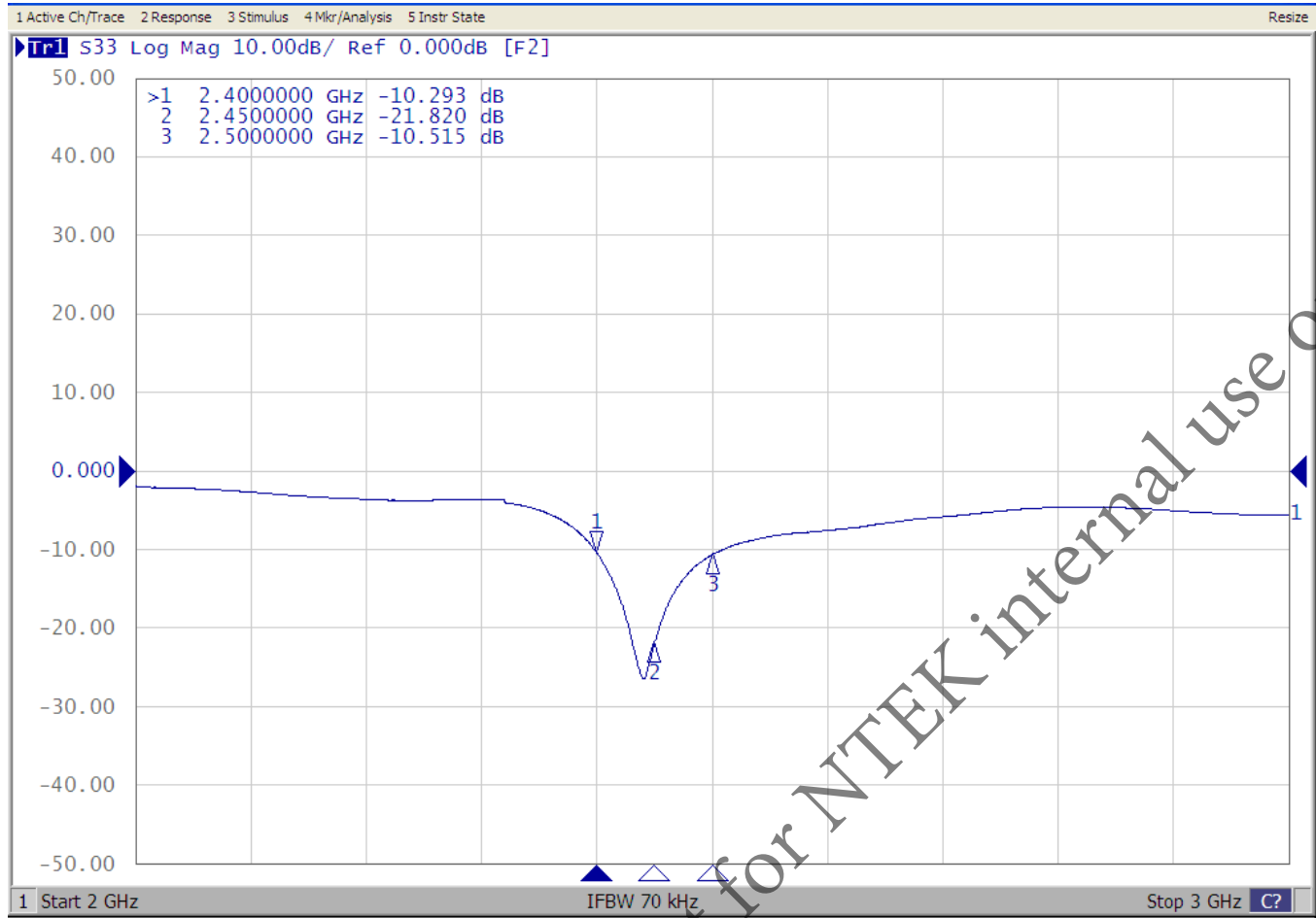
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Electrical Characteristics

Return Loss



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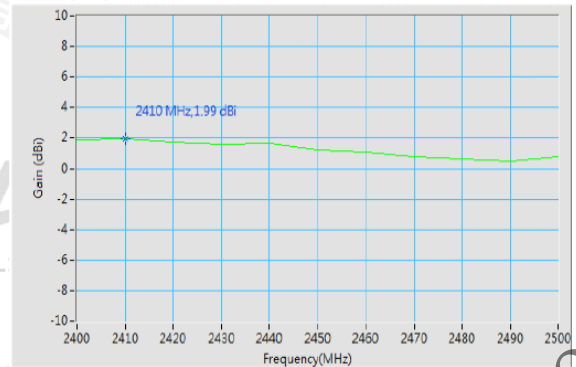
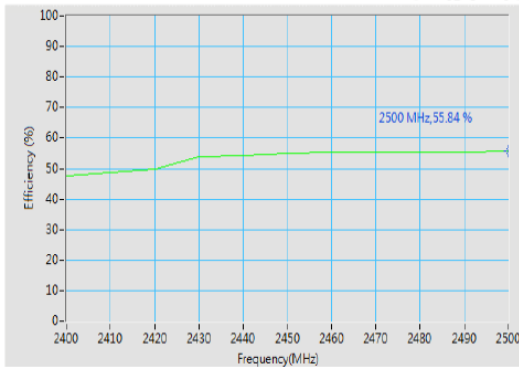
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Antenna Efficiency and Peak Gain



Maximum Efficiency at 2500 MHz : 55.84%

Maximum Peak Gain at 2410 MHz : 1.99 dBi

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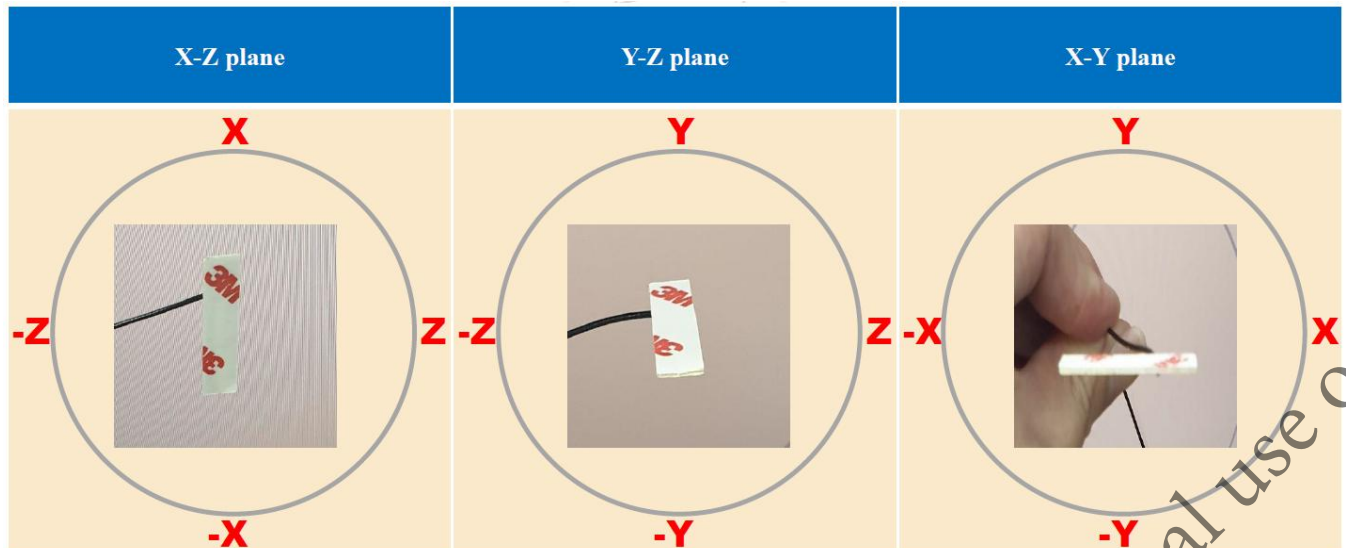
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3 Views of Antenna



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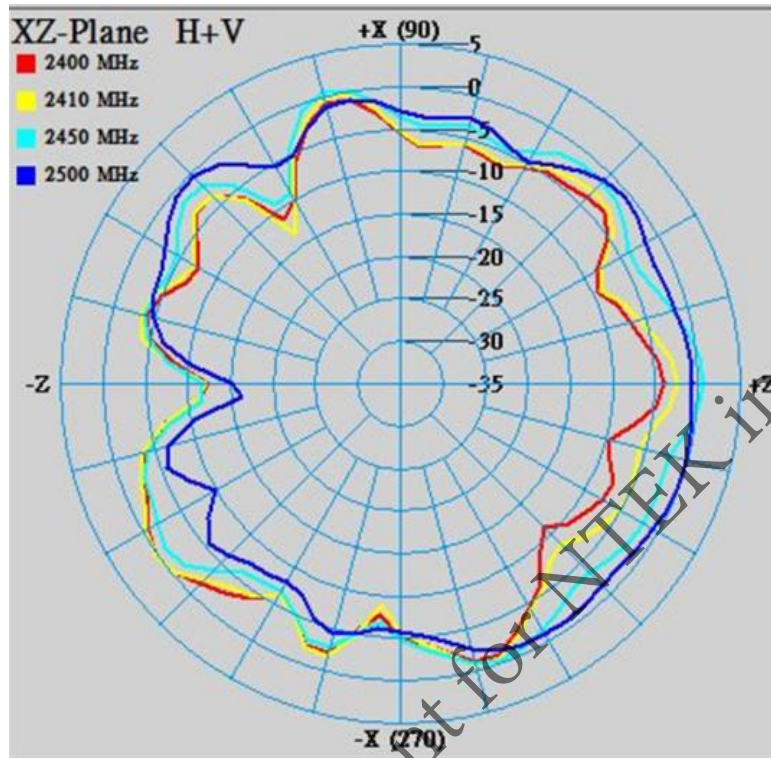
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Radiation Pattern

Phi=0.00deg

Gain . dB



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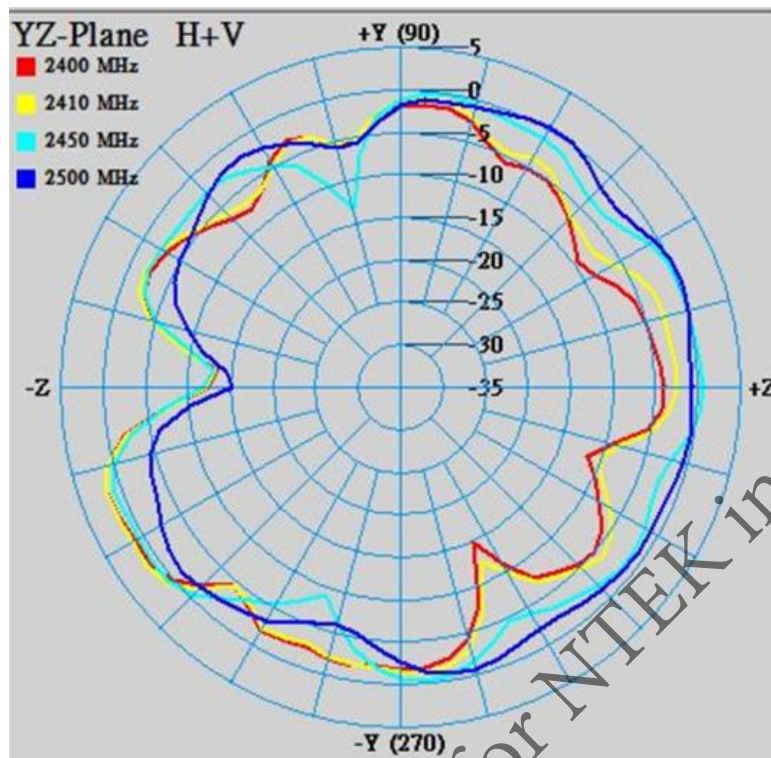
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Phi=90.00deg

Gain . dB



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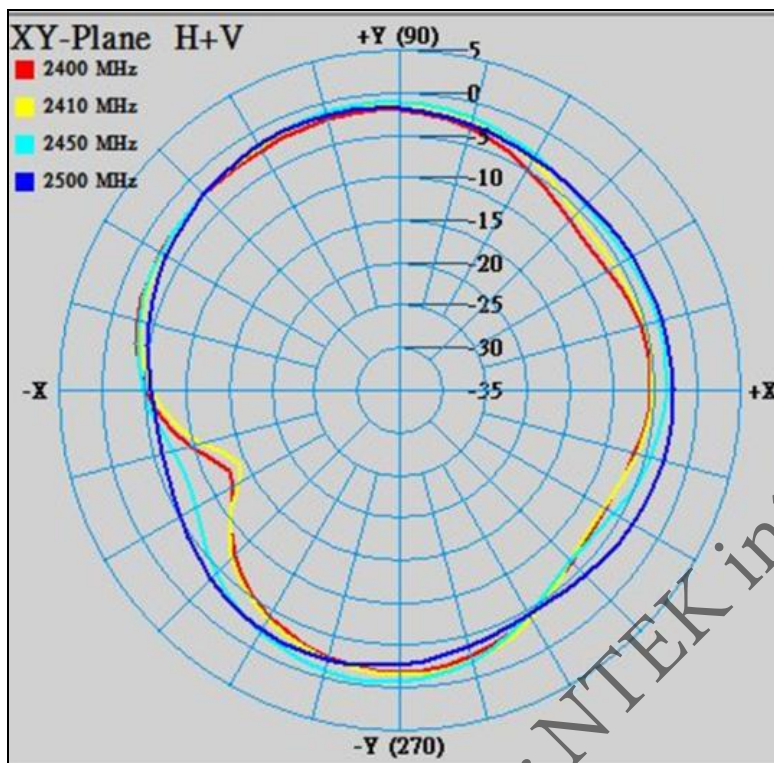
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Theta=90.00deg

Gain . dB



	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]	Max Value [dBi]	Average [dBi]
2400	0.14	-4.61	1.64	-3.75	-1.89	-4.27
2410	0.26	-4.08	1.99	-3.19	-1.16	-3.90
2450	0.52	-2.85	0.78	-2.1	-0.66	-3.13
2500	-0.22	-2.89	0.39	-2.21	-1.5	-3.27

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