

APPROVAL SHEET

PCB ANTENNA

5.15~5.85 GHz Working Frequency

Halogens Free Product

P/N: RFPCA302604IM5B301

Customer : _____
Customer 's Part No. : _____
Approval No. : _____
Issue Date : _____

生產工廠：江蘇省無錫市錫山經濟開發區安鎮安泰一路81號
Antai No 1 road 81, AnZheng town, Xishan Economic Development Zone,
Wuxi City, 214105 JiangSu Province, China



品名：RFPCA302604IM5B301

History List

版本 REV.	修訂者 EDITOR	修訂頁次 PAGE	修訂內容 ITEMS OF CHANGE	申請日期 DATE	生效日期 VALID DATE	ECN 編號 ECN NO.
P0	邱瑩鈺	ALL	New drawing release	2022/03/21	According to the date of PLM Release	N/A
P1	邱瑩鈺	4~13	變更測報	2024/05/08	According to the date of PLM Release	N/A


品名：RFPCA302604IM5B301

1. Explanation of part number :

RF	PCA	3026	04	I	M	5	B	3	03
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.: 1614 Length 160.0mm, Width140.0m m	2 digits for cable length e.g.:20 5G1 : Length 17.5cm 5G2 : Length 17.5cm 2G1 : Length 20.0cm 2G2 : Length 13.0cm BT : Length 7.0cm	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.X 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 :

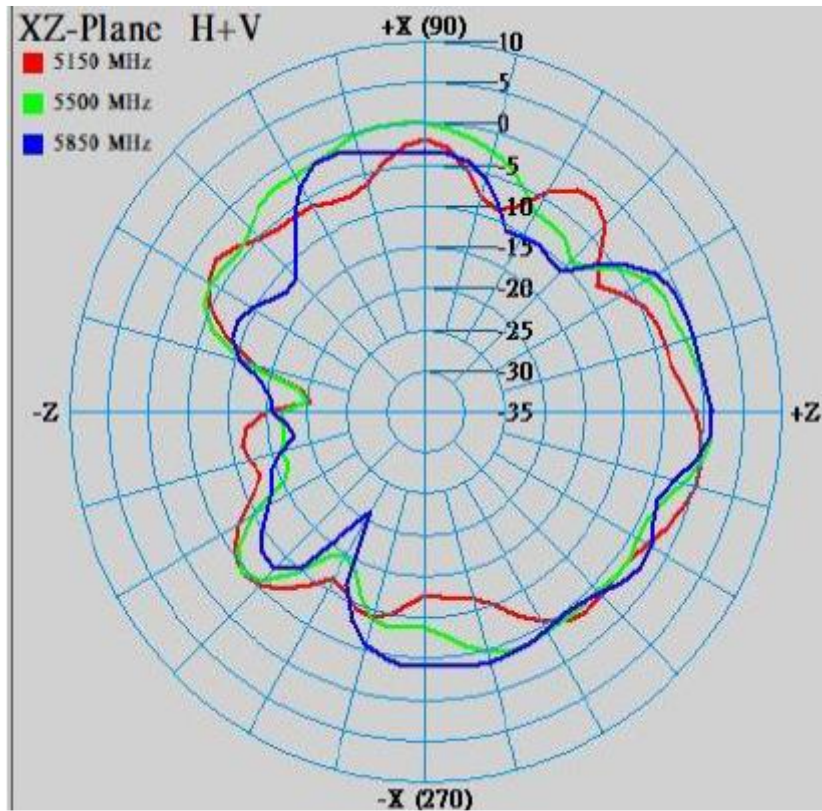
Item	Specification
Working Frequency Range	5.15~5.85 GHz
Gain	1.99 dBi
Return Loss	-10dB(Max)
VSWR	2 max.
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω
Operation Temperature	-20℃ ~ +65℃


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 : 邱瑩鈺	CHECKED BY : 詹惠雯	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DESIGNED BY : 夏振恩	APPROVED BY : 陳振榮		
TITLE : RFPCA302604IM5B301		DOCUMENT NO.	SPEC REV. P0

RADIATION PATTERN

X-Z Plane
Phi=0.00deg

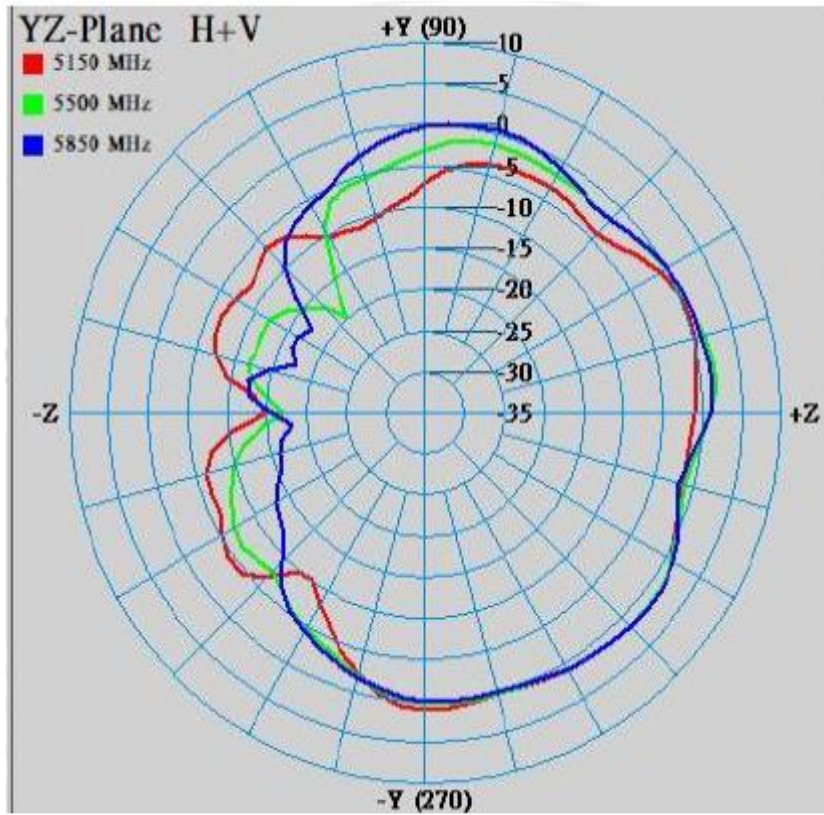
Gain . dB




UNLESS OTHER SPECIFIED TOLERANCES ON :			INPAQ TECHNOLOGY CO., LTD.
X=N/A	X.X=N/A X.XX=N/A		
ANGLES=N/A		HOLEDIA=N/A	
SCALE : N/A	UNIT : mm	THIS DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF INPAQ TECHNOLOGY CO.,LTD.AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
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Y-Z Plane
Phi=90.00deg

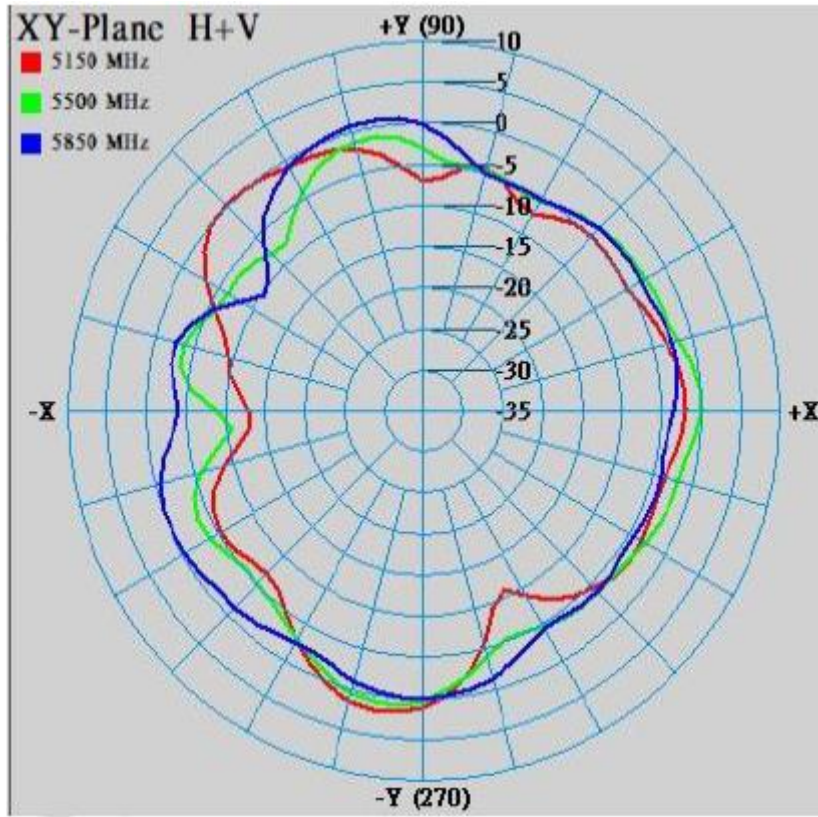
Gain . dB




UNLESS OTHER SPECIFIED TOLERANCES ON :			INPAQ TECHNOLOGY CO., LTD.
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ANGLES=N/A		HOLEDIA=N/A	
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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]
5150	0.44	-4.96	1.94	-2.46	1.99	-3.27
5500	1.32	-3.78	1.99	-1.96	1.04	-3.05
5830	1.13	-4.50	1.92	-1.70	0.94	-2.32

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.	
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