

APPROVAL SHEET

FPC Antenna

2400~2500 MHz Working Frequency

Halogens Free Product

P/N: RFFPA272206IMAB301

Customer : Primax Electronics Ltd.

Customer 's Part No. : 690800020400

Production : 禾邦电子（苏州）有限公司
INPAQ TECHNOLOGY(SUZHOU) CO., LTD

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No.81, Antai 1st Road, Xishan District, Wuxi, Jiangsu, China

[illegible]

品名：RFFPA272206IMAB301

1. Explanation of part number：

RF	FPA	2722	06	I	M	A	B	3	01
Type Code	Product Code	FPCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	FPC Antenna	Per 2 digits of length, width e.g.: 2722 Length 27mm, Width 22.8mm	2 digits for cable length e.g.: 06 Length 6cm	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:Ø 0.81 2:Ø 1.32 3:Ø 1.13 4:Low Loss Ø 1.13 5:Ø 0.5 6:RG316 7: Ø 1.37 8:RG178 9:Low Loss Ø 1.37	01~99 series number

2. Electrical Specification：

Item	Specification
Working Frequency Range	2400~2500 MHz (note-1)
Return Loss	-10.0 dB(Max)
VSWR	2.0 (Max)
Polarization	Linear
Radiation Pattern	Omni-directional
Impedance	50Ω

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：林育帆

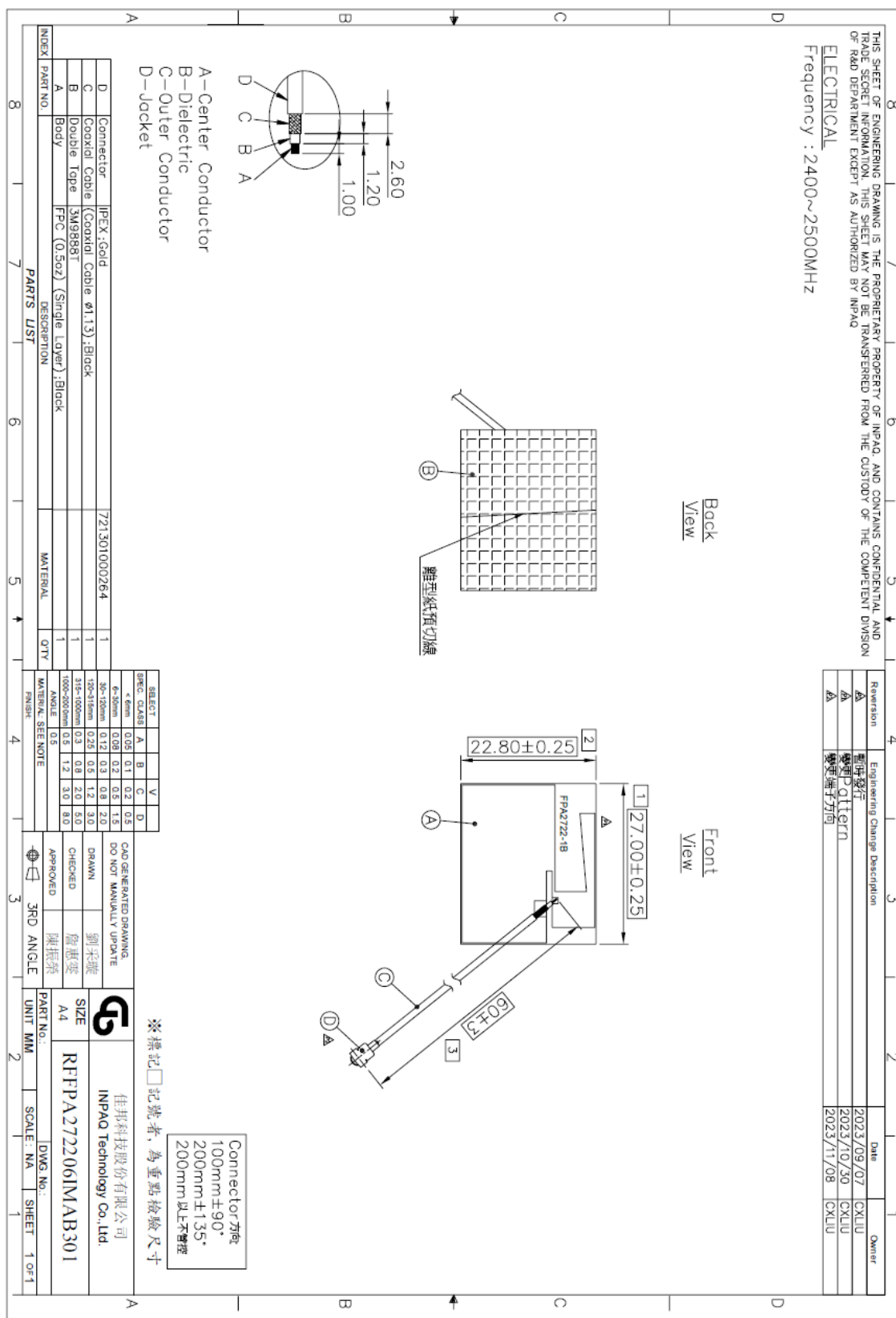
APPROVED BY：陳振榮

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TITLE：RFFPA272206IMAB301

DOCUMENT
NO.SPEC REV.
P0

3. Antenna Drawing :



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

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APPROVED BY : 陳振榮

TITLE : RFFPA272206IMAB301

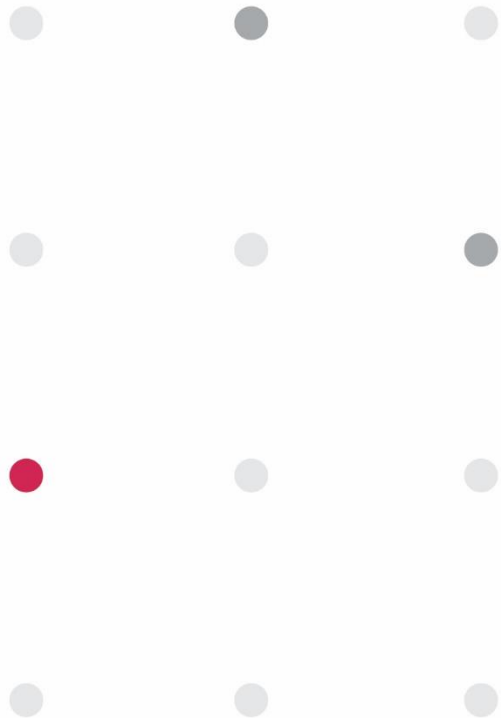
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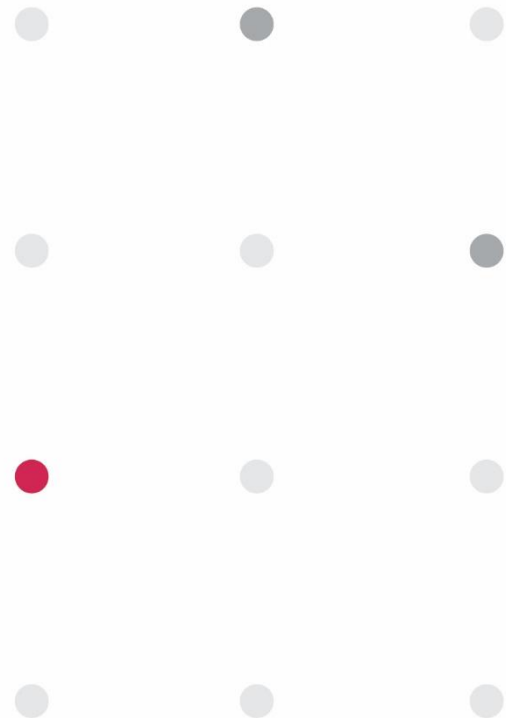
佳邦科技股份有限公司

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PSA

PASSIVE SYSTEM ALLIANCE
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Primax _ Stellar



OUTLINE

1. Measurement Information

1.1 Experimental Setup

1.2 Antenna Solution Detail

2. Antenna Characteristics

2.1 S-Parameter

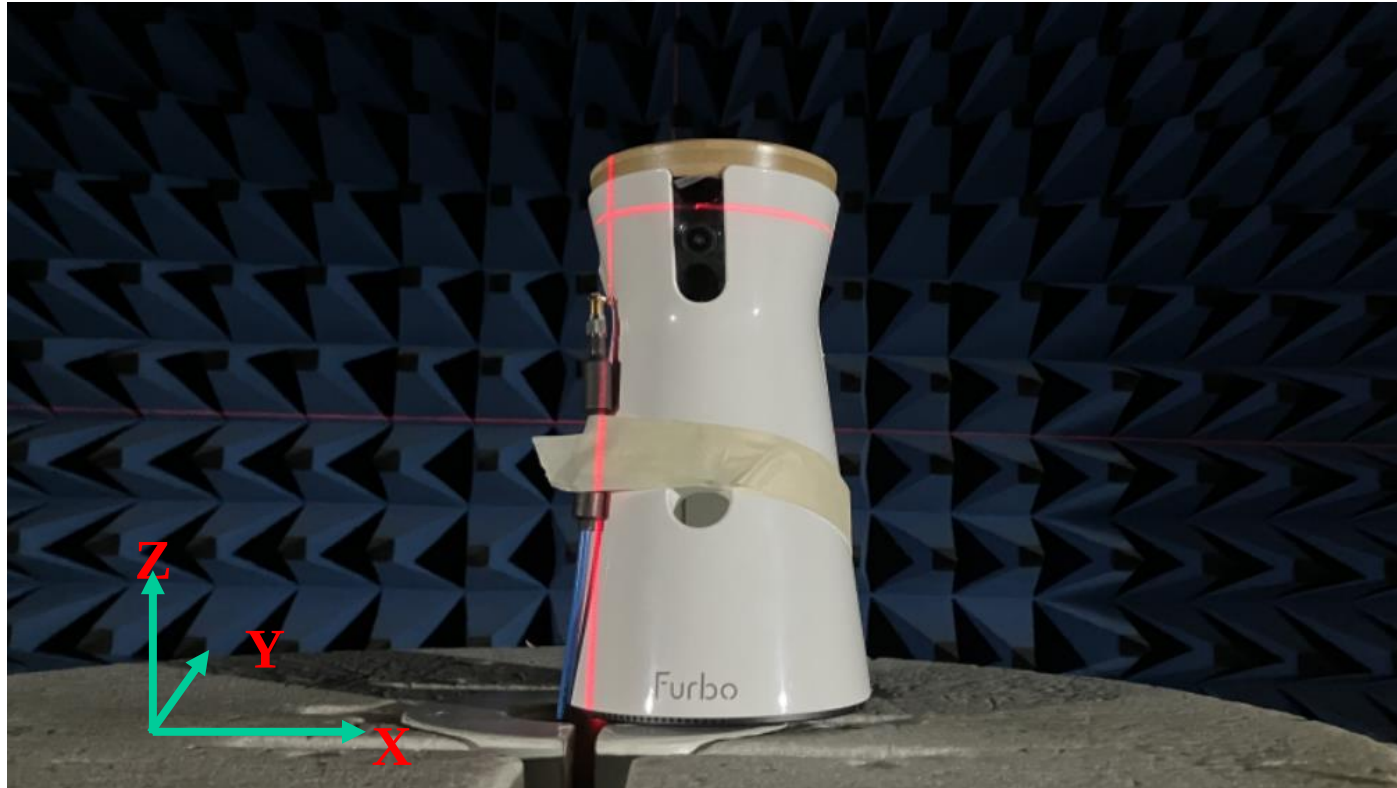
2.2 Antenna Efficiency and Peak Gain

2.3 3 views of antenna & 2D Radiation Patterns

3. Summary

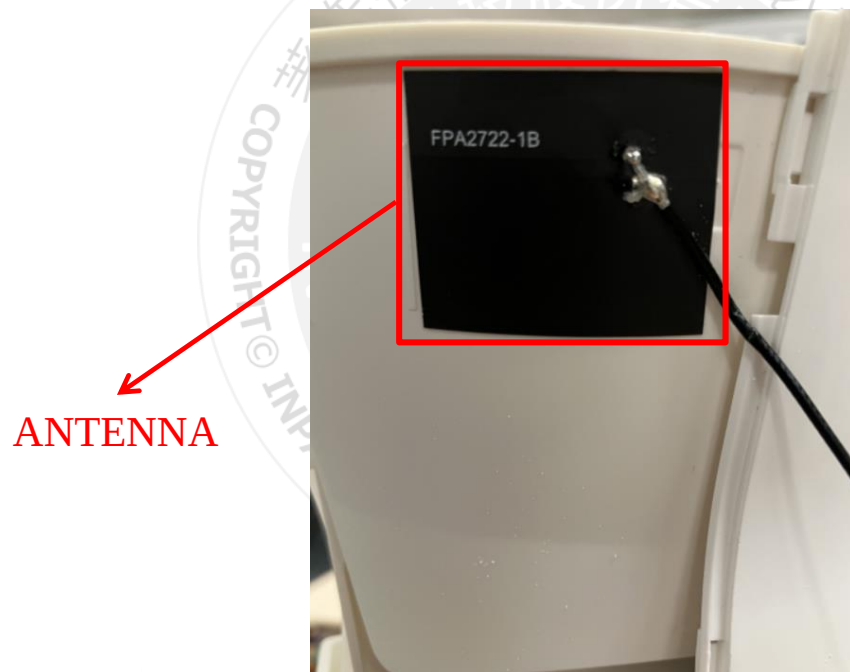
1. Measurement Information

1.1 Experimental Setup



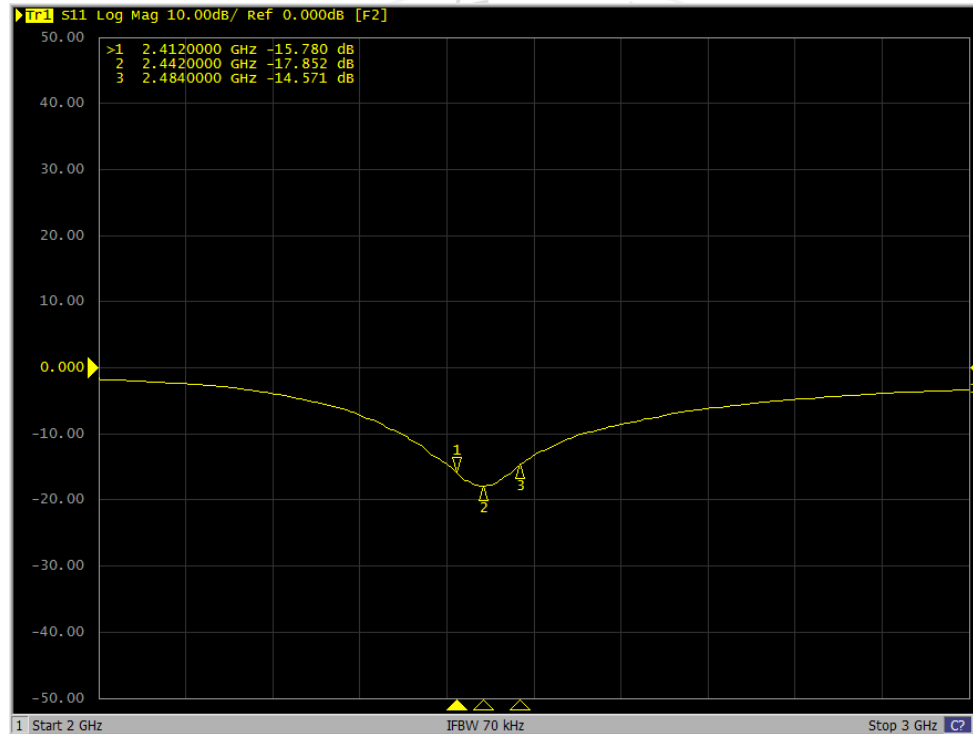
1. Measurement Information

1.2 Antenna Solution Detail



2. Antenna Characteristics

2.1 S-Parameter



2. Antenna Characteristics

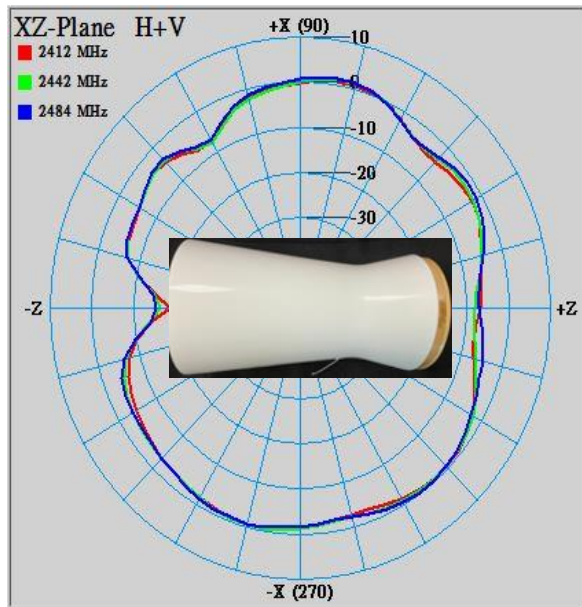
2.2 Antenna Efficiency and Peak Gain

Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
2412	66	2.71
2442	68	2.33
2484	71	2.43

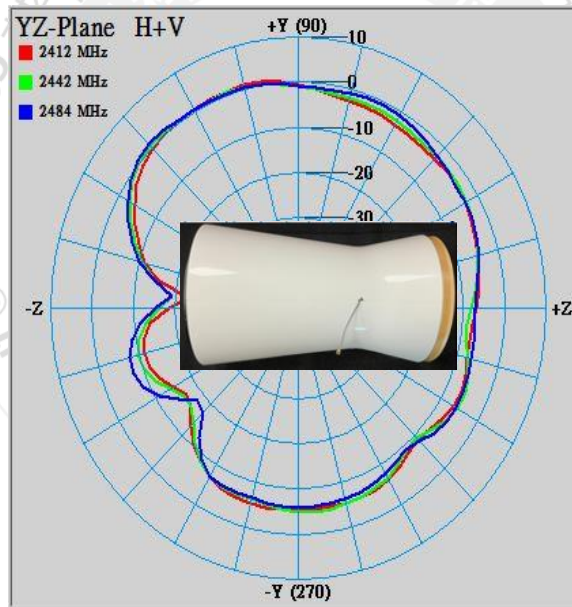
2. Antenna Characteristics

2.3 3 views of antenna

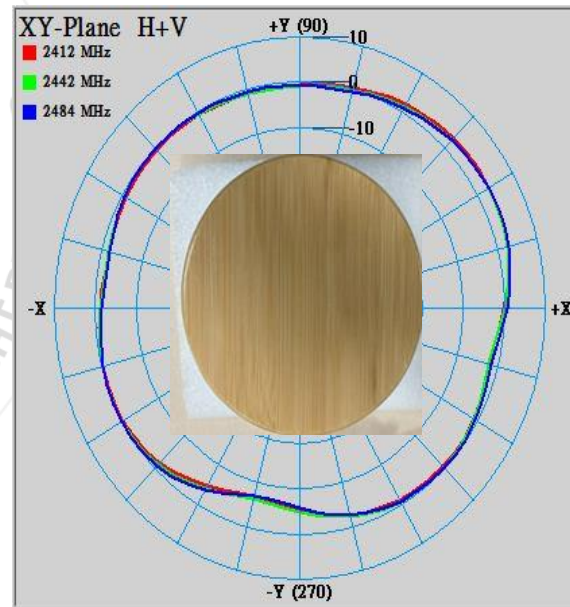
X-Z plane



Y-Z plane



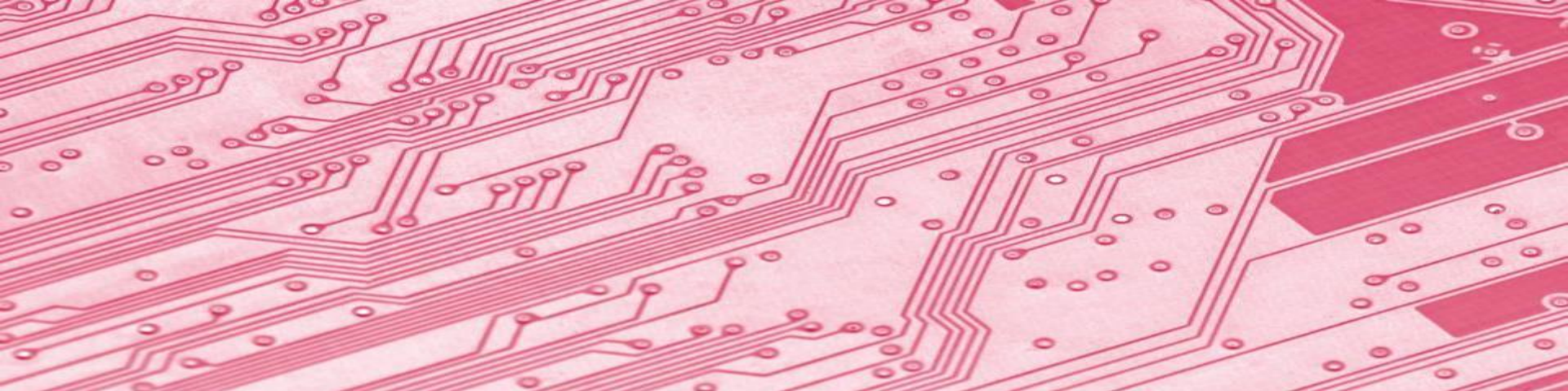
X-Y plane



3. Summary

- The performance of antennas is shown in table

Maximum Efficiency (%)	71
Maximum Gain (dBi)	2.71



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Content Details

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WE CONNECT WE PROTECT **PSA**

Thank you

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