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
Address：	中國江苏省无锡市锡山区安泰一路81号 No.81, Antai 1st Road, Xishan District, Wuxi, Jiangsu, China

Part Number：RFFPA272206IMAB301 **History List**

REV.	EDITOR	PAGE	ITEMS OF CHANGE	DATE	VALID DATE	ECN NO.
P0	CXLIU	ALL	暫時發行	2024/02/21	According to the date of PLM Release	N/A

品名：RFFPA272206IMAB301

1. Explanation of part number：

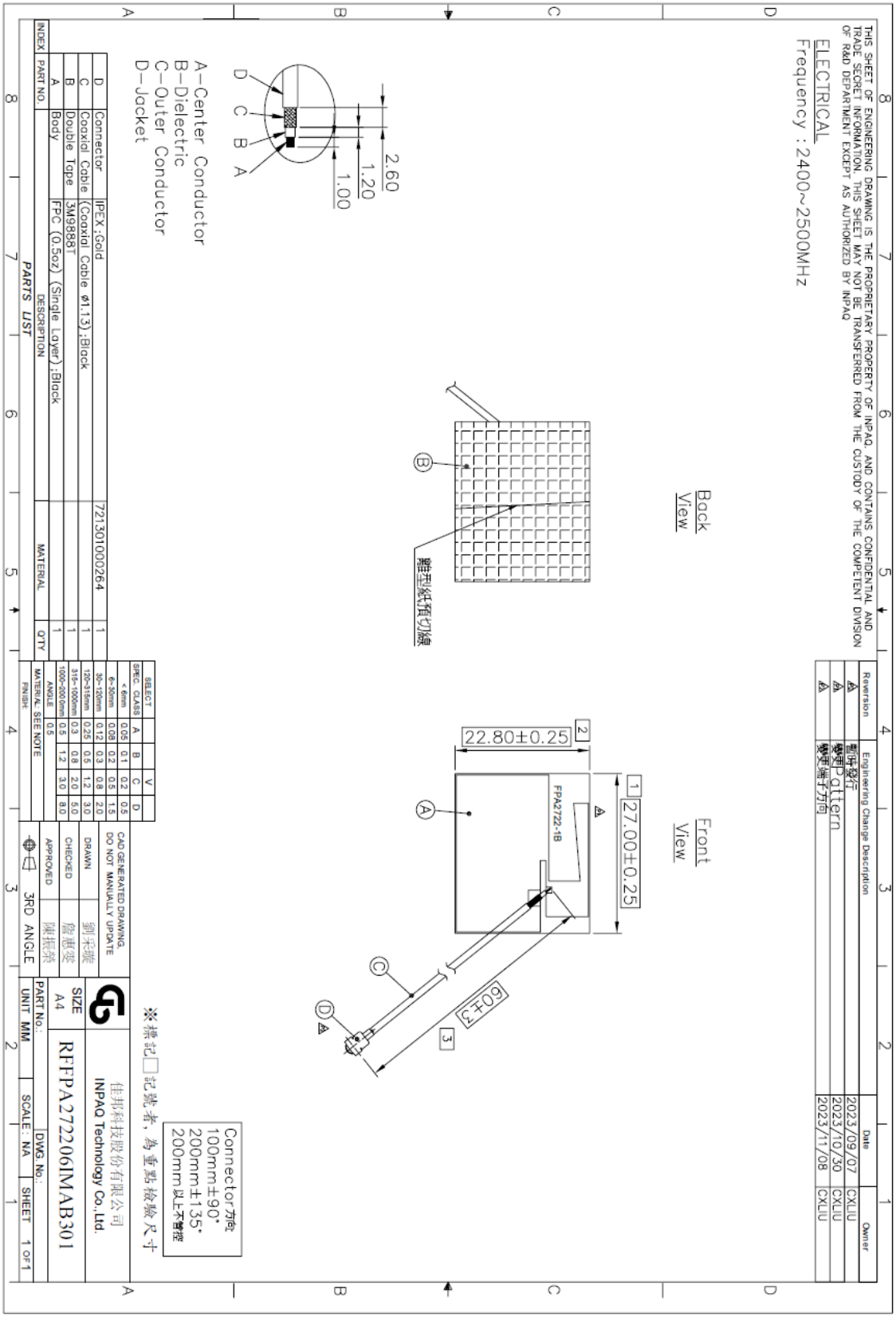
RF	FPA	2722	06	I	M	A	B	3	01
Type Code	Product Code	FPCB Dimension (Unit: mm)	Cable Length (unit: cm)	Connector Brand	Type of Connector	Application	Project status	Wire Diameter	Project
RF Device	FPC Antenna	Per 2 digits of length, width e.g.: 2722 Length 27mm, Width 22.8mm	2 digits for cable length e.g.: 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	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	
DRAWN BY：劉采璇	CHECKED BY：詹惠雯		
DESIGNED BY：林育帆	APPROVED BY：陳振榮		
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	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
DRAWN BY：劉采璇	CHECKED BY：詹惠雯	
DESIGNED BY：林育帆	APPROVED BY：陳振榮	
TITLE：RFFPA272206IMAB301	DOCUMENT NO.	SPEC REV. P0

PSA

佳邦科技股份有限公司

INPAQ TECHNOLOGY CO., LTD.

PSA

PASSIVE SYSTEM ALLIANCE

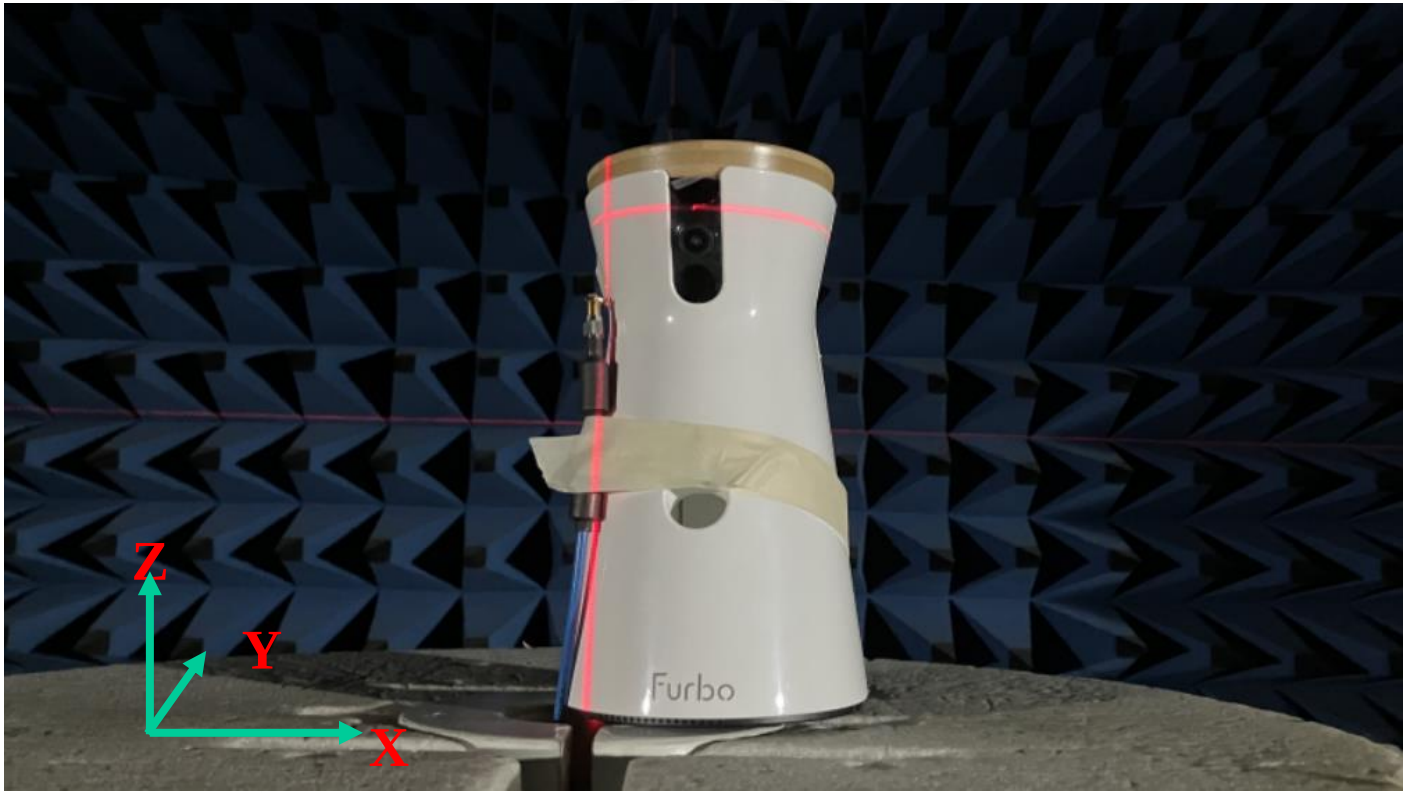
INPAQ TECHNOLOGY CO., LTD.

Primax _ Stellar

OUTLINE

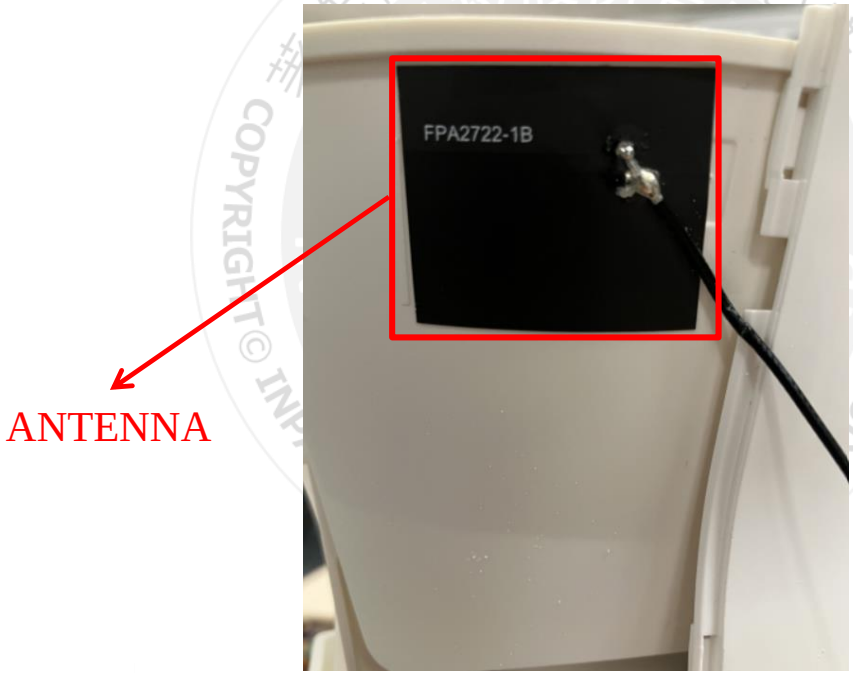
1. Measurement Information

1.1 Experimental Setup



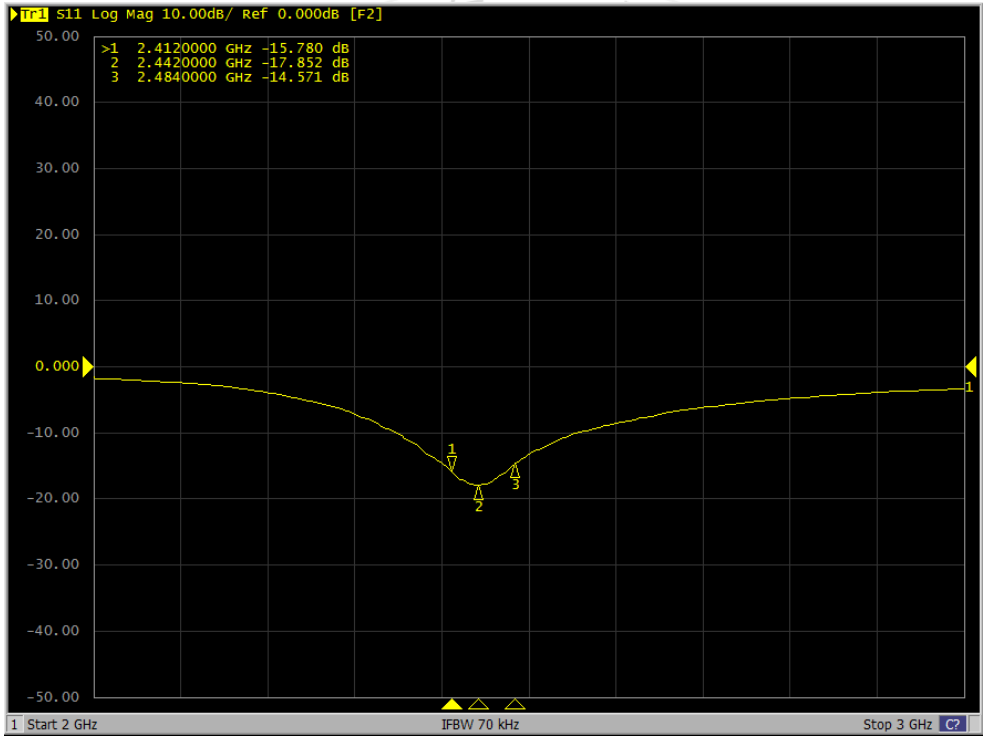
1. Measurement Information

1.2 Antenna Solution Detail



2. Antenna Characteristics

2.1 S-Parameter



2. Antenna Characteristics

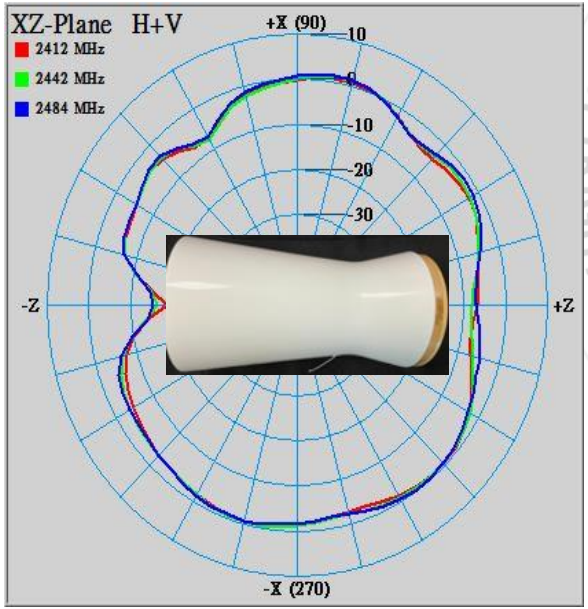
2.2 Antenna Efficiency and Peak Gain

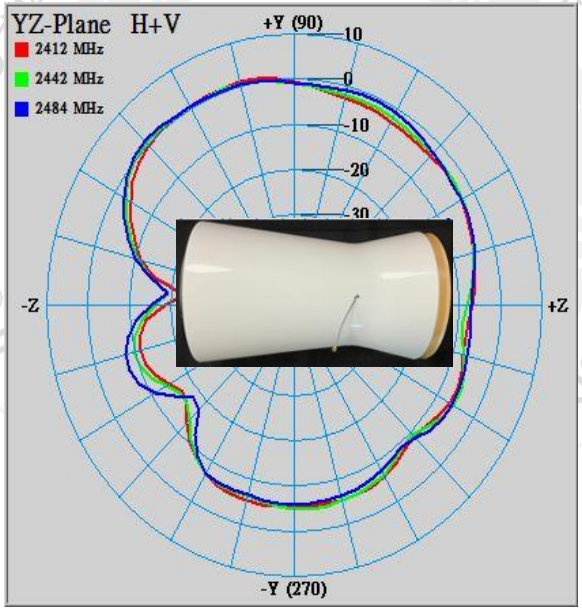
Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
2412	66	2.71
2442	68	2.33
2484	71	2.43

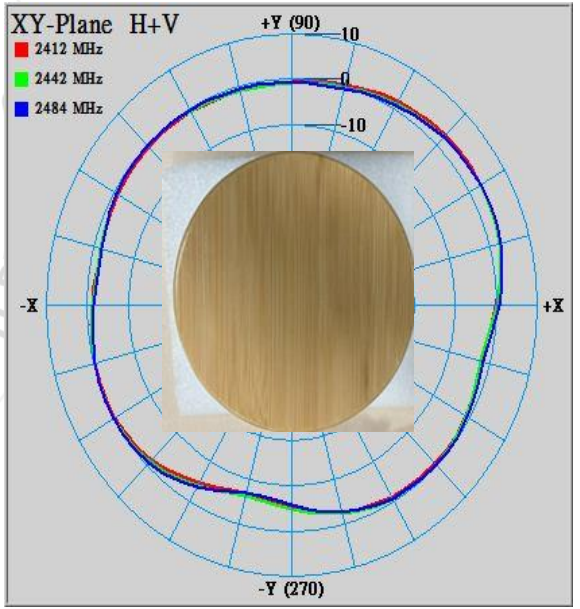
2. Antenna Characteristics

2.3 3 views of antenna

X-Z plane	Y-Z plane	X-Yplane



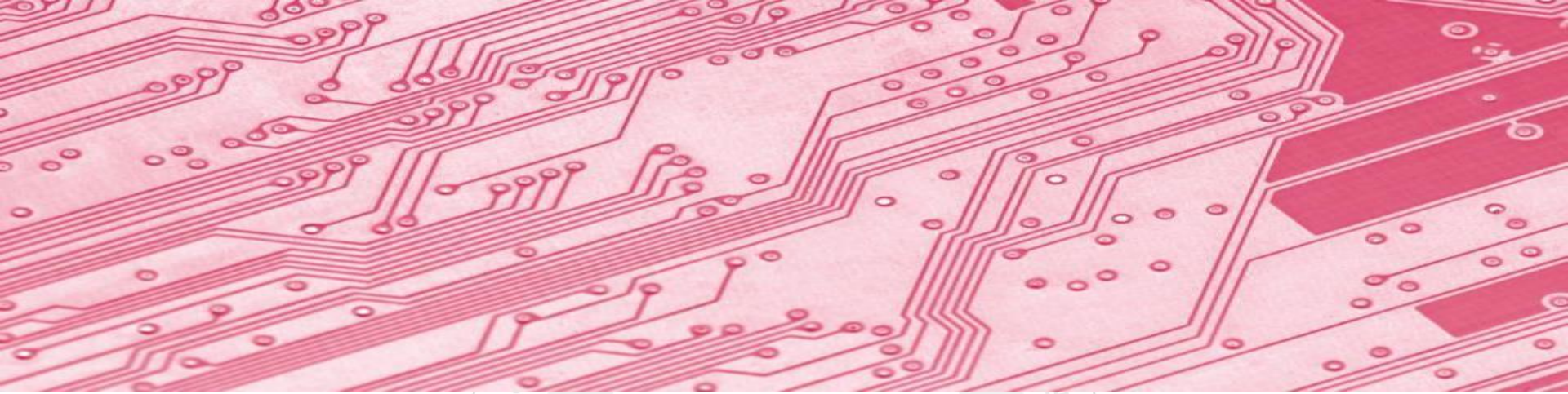




3. Summary

- The performance of antennas is shown in table

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



Title for Image (above image could be replaced)

Content Details

Thank you