

承 認 書

A P P R O V A L S H E E T

CUSTOMER: 精聯電子股份有限公司

CUSTOMER MODEL NO.:

JOYMAX MODEL NO.: GBF-A056MPXX-752

DESCRIPTION: #A056 FPCB Embedded Antenna

REV: A

DATE: 2021/11/26

Customer Approval

Joymax Approval



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Modification History:

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1. Specification & Dimension

REV		ZONE	DESCRIPTION		ECN NO.	ENG	APPROVED	DATE

1

3M-467MP
Double Side Tape

Release Paper

0.2±0.15
(PCB With Release paper)

43.71

45.88

2

Release Paper

Soldered

I-PEX MHF1L

3

Electrical Properties

Frequency Range

902~928MHz

Impedance

50Ω

902~928MHz≤2.0 with the client case

V.S.W.R.

比對波形 compared with report curve
(without the client case)

Radiation

Omni

Gain

1dBi

Polarization

Vertical

Wave Length , type

Microstrip

Mechanical Properties

Radome Material

PI

Connector Type

Mini PCI Com

Dimension

L=45mm

Weight

1 g (est)

Operating Temp.

-20℃ ~+65℃

Storage Temp.

-30℃ ~+70℃

4

UNLESS OTHERWISE SPECIED TOLERANCES ON:±0.5

DRAWN BY: Olivia

DESIGNED BY: Robin

CHECKED BY: KY/Sara

APPROVED BY: Mctt

THIRD ANGLE PROJECTION

MATERIAL:

FINISH:

SCALE:1/1;UNIT:mm

DATE:2021/11/26

REV: A

TITLE : #A056 FPCB Embedded Antenna

DRAW NO. : SSP-210278

PART NO. : GBF-A056MPXX-752

JOYMAX ELECTRONICS CO.,LTD.

3

Cable ø1.13(Gray)

39±2

4

REF002A

F

E

D

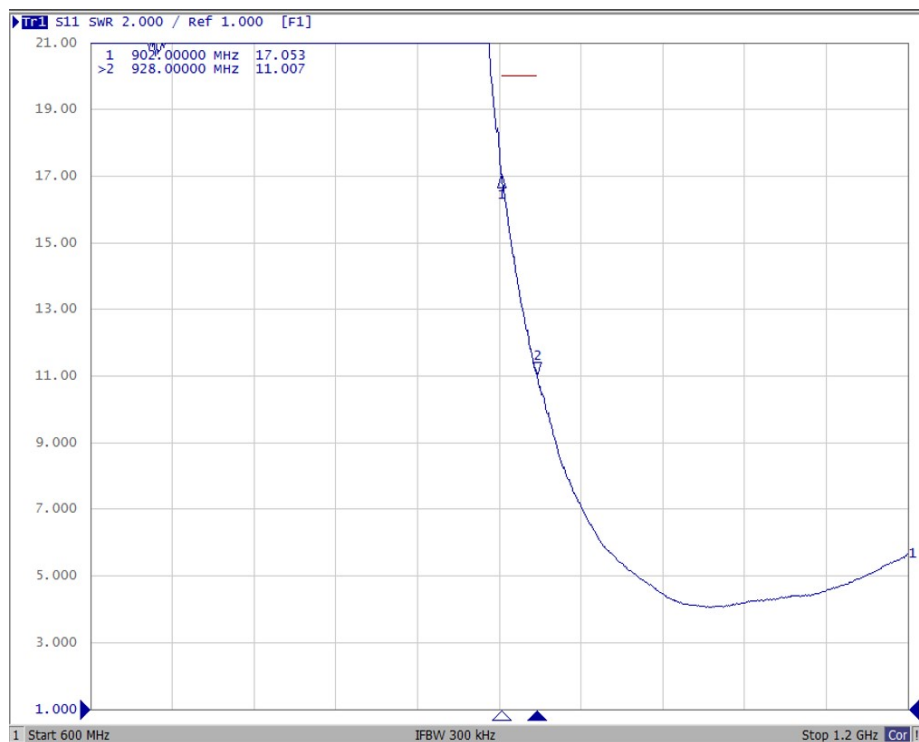
C

B

A

2. Test Condition & Report

2.1 V.S.W.R (test without client case)

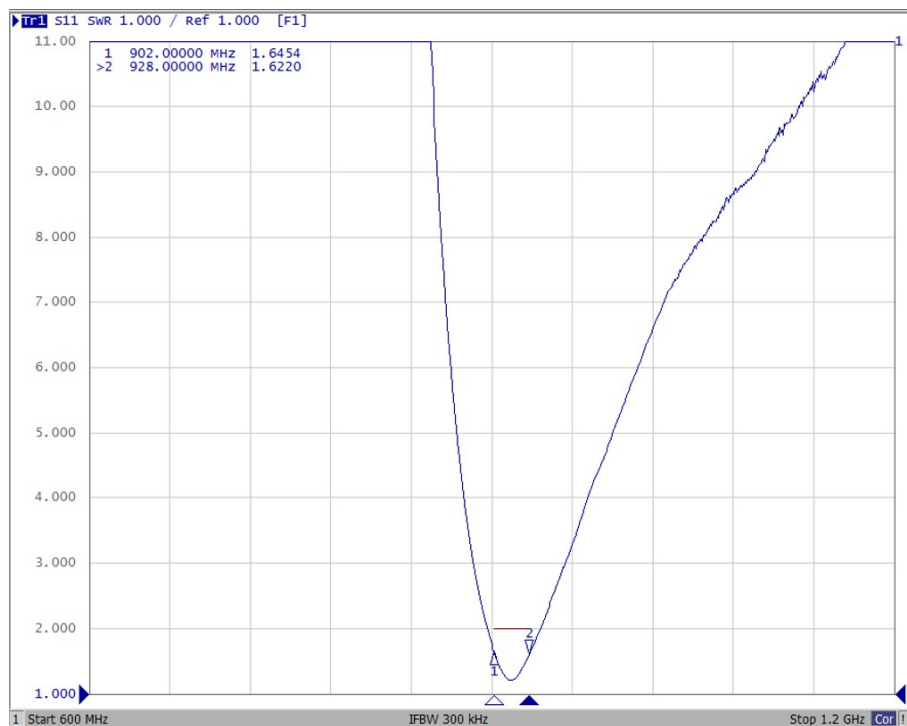


Test Configuration



2. Test Condition & Report

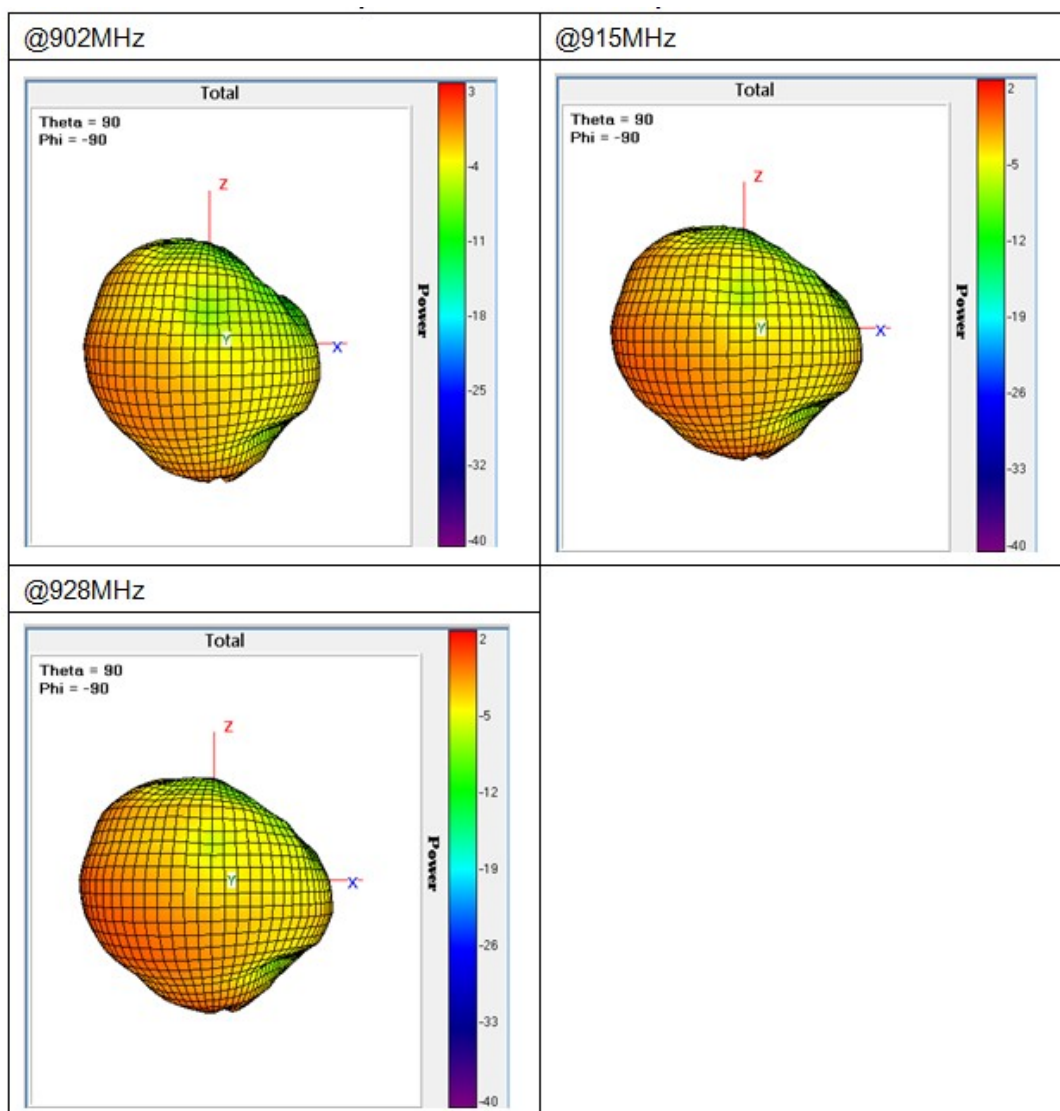
2.1 V.S.W.R (test with client case)



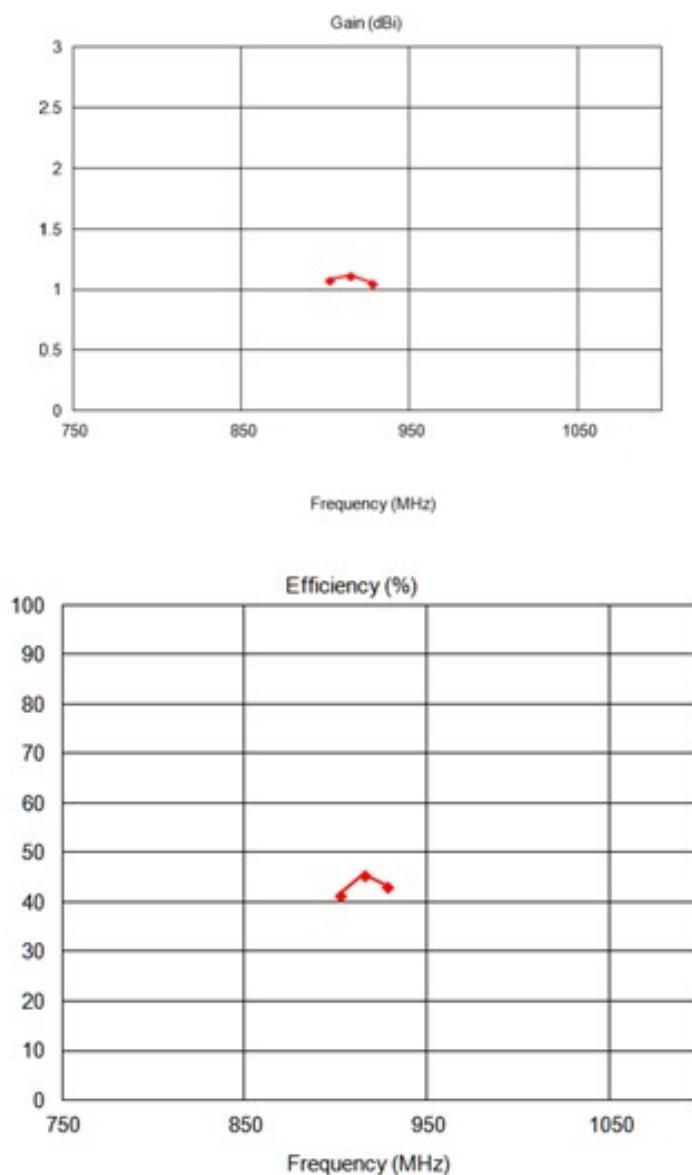
Test Configuration



2.2 Pattern (test with client case)



2.3 Gain and Efficiency (test with client case)



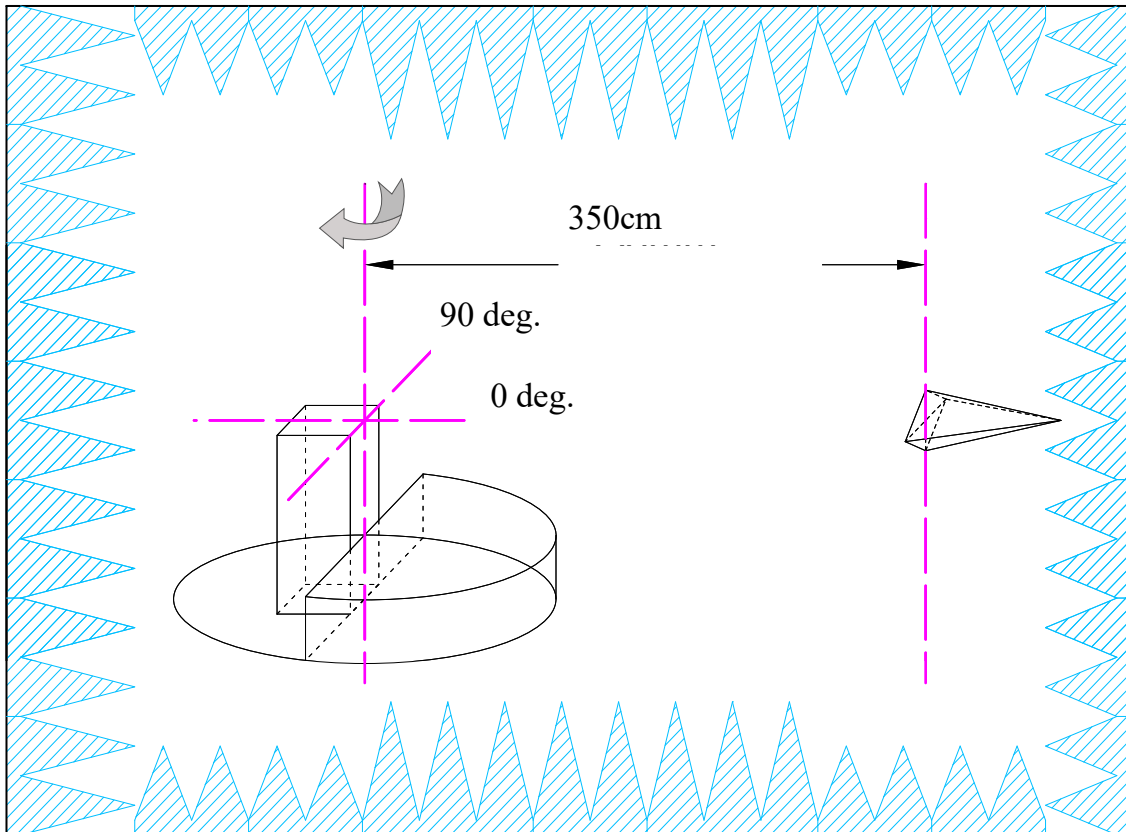
Frequency (MHz)	902	915	928
Gain(dBi)	1.08	1.12	1.06
Efficiency (%)	41.57	45.65	43.25

Pattern Test Equipment

Anechoic chamber: 100MHz~6GHz 8*6*6m (※ 1m Quiet zone at 800MHz)

Source Antenna: ETS-3164 Dual Polarized Horn

Network Analyzer: Agilent E5071B 100kHz~8.5GHz

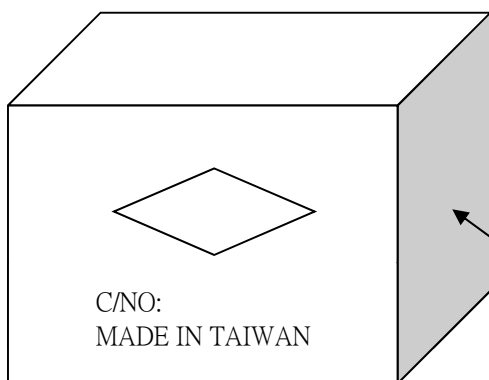


3. Package



①

100pcs antenna / 1 PE bag
PE bag size 16.5*30mm



②

2000pcs antenna / 1 Carton
Carton size 330*180*180mm

MODEL No.:	
Q'ty:	PCS
N.W:	PCS
G.W:	PCS

Packing q'ty is for reference only, adjust it based on production packing