

承認書

APPROVAL SHEET

CUSTOMER: MAP ELECTRONICS CO., LTD

CUSTOMER MODEL NO.:

JOYMAX MODEL NO.: GPX-026XNFF9-287

DESCRIPTION: #026X 902~928MHz Panel RHCP Antenna, YEON

REV.: A

DATE: 2019/12/31

Customer Approval

Joymax Approval



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Modification History:

Rev.	Date	Content
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A	2019/12/31	
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1. Specification & Dimension

4

3

2

1

REV	ZONE	DESCRIPTION	ECN NO.	ENG	APPROVED	DATE

F

E

D

C

B

A

□260

44

85

17.5

N Jack

Nut x1

Washer x1

D-Ring x1

TOP

The technical drawing illustrates a panel antenna. The top view shows a square panel with a side length of 260mm, featuring a central circular logo and eight mounting holes. The side view shows a profile with a height of 44mm. The front view shows a mounting bracket with a width of 85mm and a height of 17.5mm. A Bill of Materials (BOM) table lists the components: N Jack, Nut (x1), Washer (x1), D-Ring (x1), and TOP.

Electrical Properties	
Frequency Range	902~928MHz
Impedance	50Ω
V.S.W.R.	≤2.0
Radiation	Directional
Peak Gain	8.5dBic
Polarization	Right Hand, Circular
Front/Back Ratio	15dB
Wave Length, type	1/2λ, Patch
Beam Width	68°±5°@E-Plane 64°±5°@H-Plane
Mechanical Properties	
Radome Material	PBT
Connector Type	N Jack
IP Level	IP-65
Dimension	L=260mm
Weight	1033g (est.)
Operating Temp.	-40℃ ~ +85℃
Storage Temp.	-40℃ ~ +85℃

UNLESS OTHERWISE SPECIFIED
TOLERANCES ON:
X ± 1
X.X ± 0.5
X.XX ± 0.25
ANG. ± 2.0°

THIRD ANGLE PROJECTION

DRAWN BY: Rebecca

DESIGNED BY:

CHECKED BY: Sara

APPROVED BY: Victor

MATERIAL:

FINISH:

SCALE:1/4;UNIT:mm

DATE:2019/12/31

REV: A

TITLE : #026X 902~928MHz Panel RHCP Antenna, YEON

DRAW NO. : SSP-190452

PART NO. : GPX-026XNFF9-287

JOYMAX ELECTRONICS CO.,LTD.

FM0414-02

4

3

2

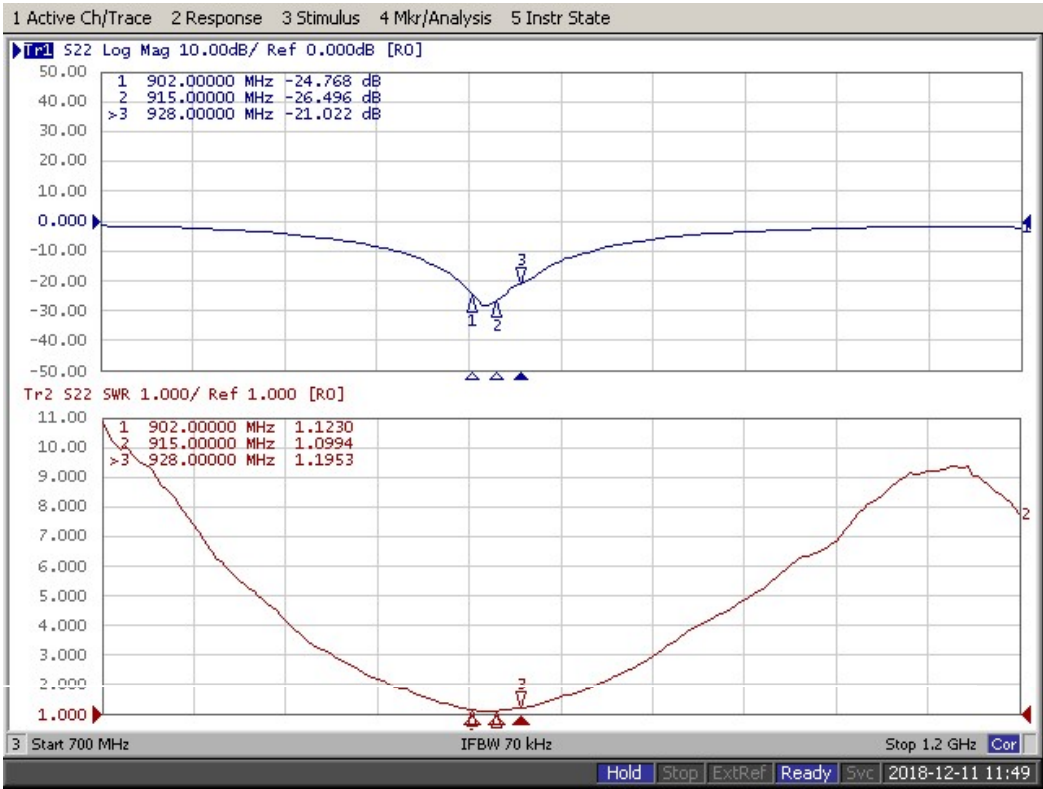
1

2.Test Condition & Report

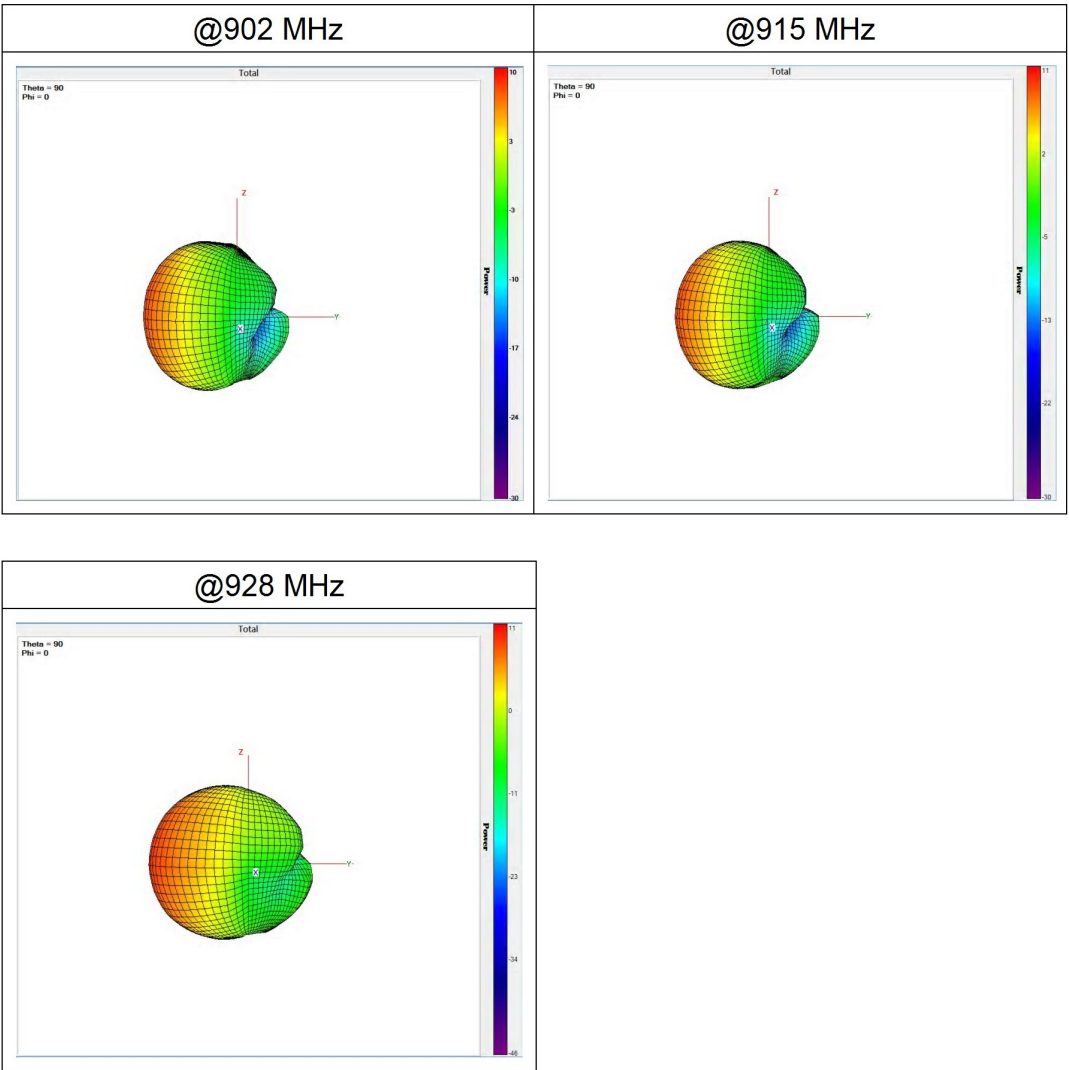
2.1 V.S.W.R / Return Loss

Return Loss

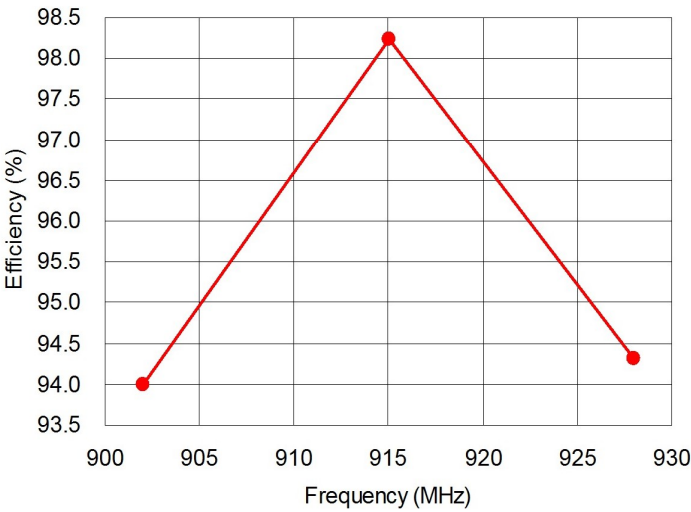
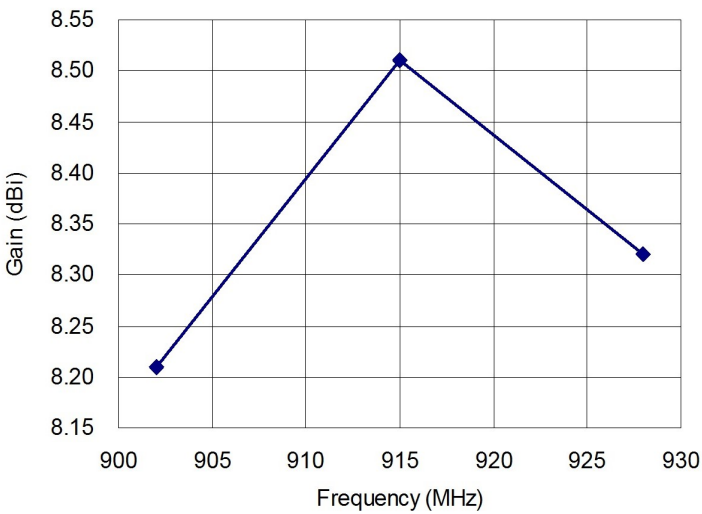
V.S.W.R.



2.2 Pattern



2.2 Pattern



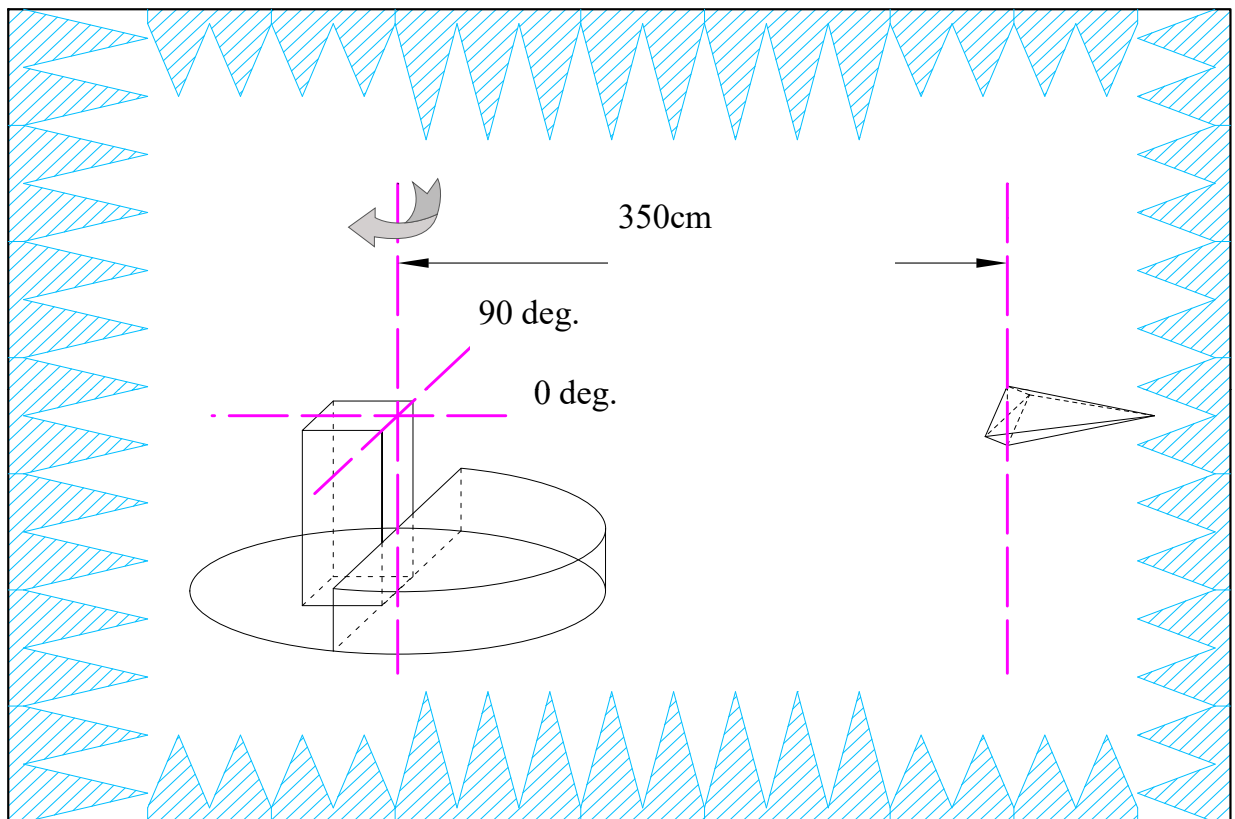
Frequency	902	915	928
Gain (dBic)	8.21	8.51	8.32
Efficiency (%)	94	98.24	94.31

Pattern Test Equipment

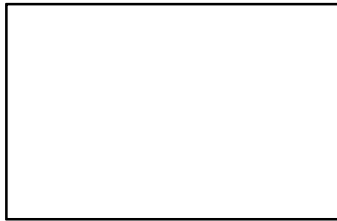
Anechoic chamber: 100MHz~6GHz 8*6*6m (※ 1m Quiet zone at 800MHz)

Source Antenna: ETS-3164 Dual Polarized Horn

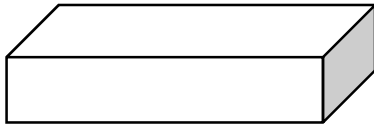
Network Analyzer: Agilent E5071B 100kHz~8.5GHz



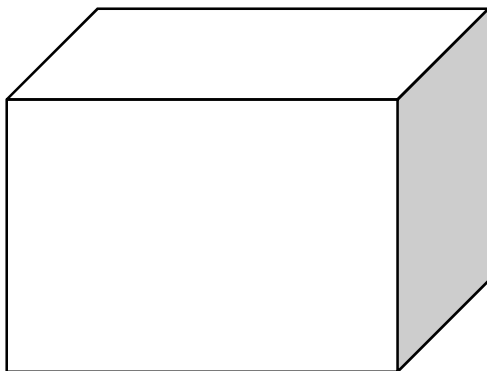
3. Package



- ① 1pcs antenna / 1 PE bag
PE bag size 280*45mm



- ② 1pcs antenna +accessories / 1 Box
Box size 332*294*100mm
無印字



- ③ 10pcs antenna / 1 Carton
Carton size 610*350*540mm

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