

承認書

APPROVAL SHEET

CUSTOMER: MAP ELECTRONICS CO., LTD

CUSTOMER MODEL NO.: MEIWX-282XSAXX-2400

DESCRIPTION #282X Replacement Antenna

REV.: 00

DATE 2013/6/17

Customer Approval	
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Item

1. Specification

- Drawing
- Connector
- Cable

2. Test report

- Electrical test
- Pattern test

3. Packing

- PE Bag
 - Carton
-

Modification History:

Rev.	Date	Content
00	2013/6/17	

4	3	2	1
REV	ZONE	DESCRIPTION	DATE

SMA Plug

10

7.8

90°

20.5

25.6

85.7 ± 2

Electrical Properties	
Frequency Range	2.4~2.4835GHz
Impedance	50Ω
V.S.W.R.	≤2.0
Radiation	Omni
Gain	2dBi
Polarization	Vertical

Mechanical Properties	
Antenna Radom	PU/TPE
Connector	SMA Plug
Weight	10 g (est.)
Operating Temp	-20℃ ~ +65℃

UNLESS OTHERWISE SPECIFIED TOLERANCES ON: X ± 1 X.X ± 0.5 X.XX ± 0.25 ANG. ± 2.0° THIRD ANGLE PROJECTION	DRAWN BY: Cxliu	MATERIAL:	TITLE : #282X Replacement Antenna
	DESIGNED BY: LEO	FINISH:	DRAW NO. : _____
	CHECKED BY: KYLIU	SCALE: 1/1; UNIT: mm	PART NO. : MEIWX-282XSAXX-2400
	APPROVED BY: VICTOR	DATE: 2013/6/18	
		REV: 00	

MAP electronics co., ltd.
 Material All Procurement

Connector

SMA

Specification Data	1) Impedance	50 ohm
	2) Frequency Range	0~6GHz
	3) V.S.W.R.	≤ 1.5
	4) Working Voltage	≤ 250 Vrms
	5) Dielectric Withstanding	≤ 670 Vrms
	6) Voltage Insulation Resistance	≥ 2000 Mega ohm
	7) Contact Resistance	Center contact: 3.0 Milliohms (Max.) Outer contact: 2.0 Milliohms (Max.)
	8) Recommended coupling nut torque	4.0~8.8 in. lbs (0.45~0.99Nm)
	9) Coupling nut retention force	≥ 50 lbs (222N)
	10) Contact captivation force	≥ 5 lbs (22.2N)
	11) Durability (mating)	≥ 500 cycles

Environmental Data	1) Operating Temperature	$-65^{\circ}\text{C} \sim +165^{\circ}\text{C}$
	2) Thermal Shock	MIL-STD-202, Method 107, Condition E
	3) Corrosion	MIL-STD-202, Method 101, Condition E
	4) Shock	MIL-STD-202, Method 213, Condition I
	5) Vibration	MIL-STD-202, Method 204, Condition I
	6) Moisture Resistance	MIL-STD-202, Method 106

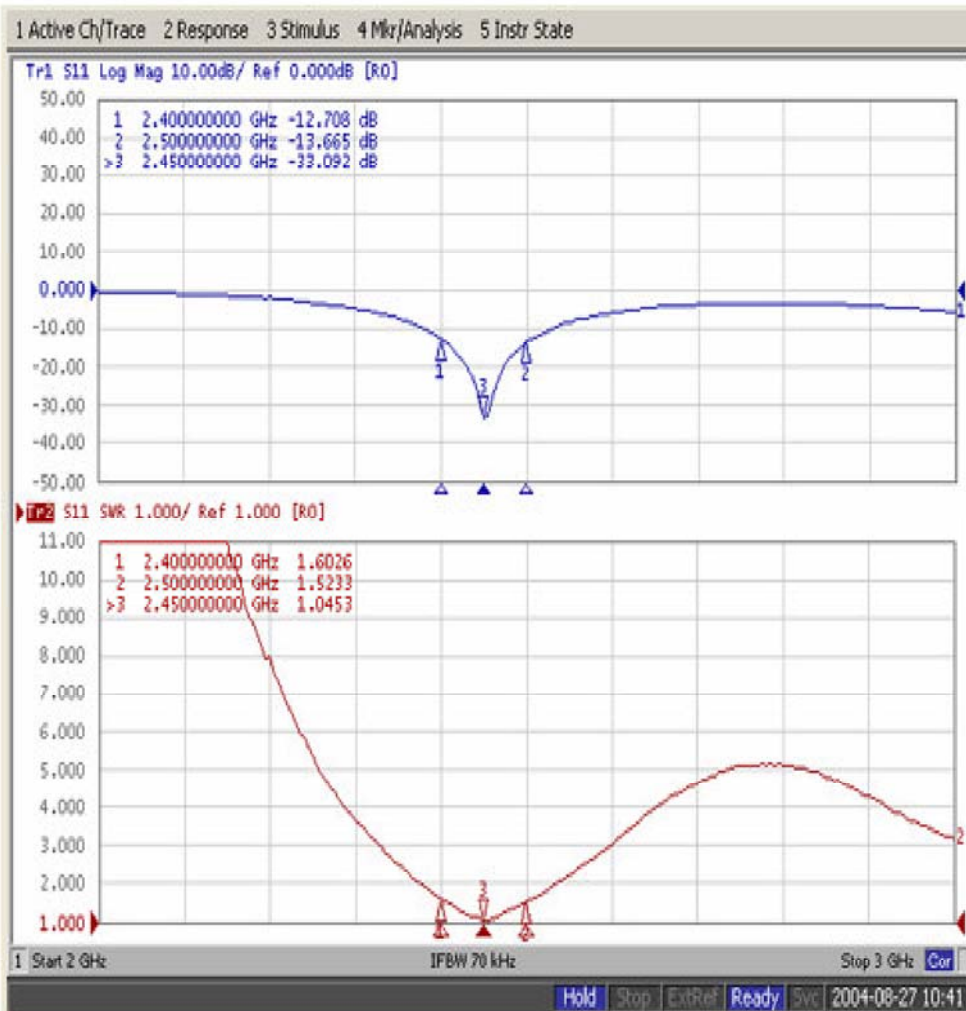
Material Specifications	Material Data	Material
	1) Body	Brass
	2) Contact	Brass
	3) Insulator	Teflon or Delrin

Model. MEIWX-282XSAXX-2400

Test Report

Return loss/V.S.W.R

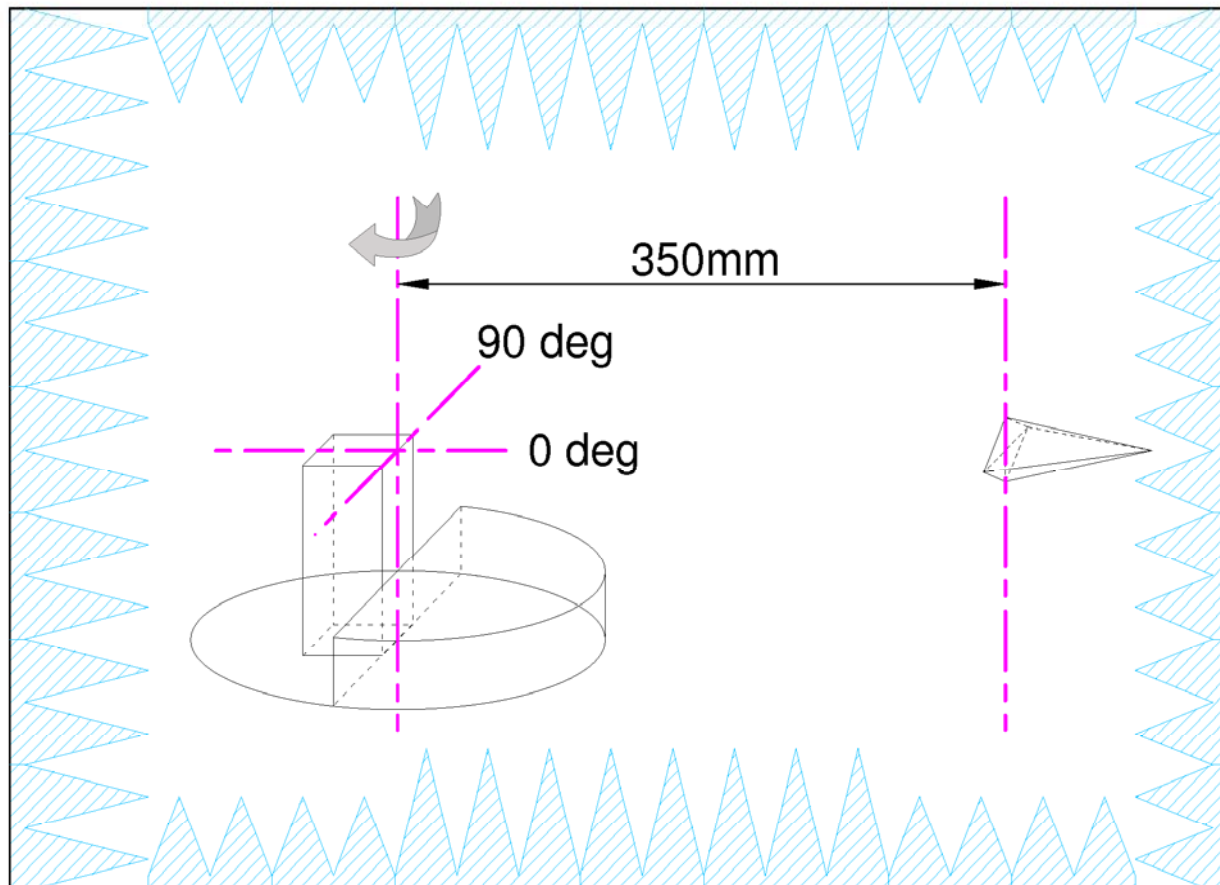
Return loss



Model. MEIWX-282XSAXX-2400

2D Patten Test Instrument

Pattern Test



Test Equipment

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

Source Antenna: ETS-3164 Dual Polarized Horn

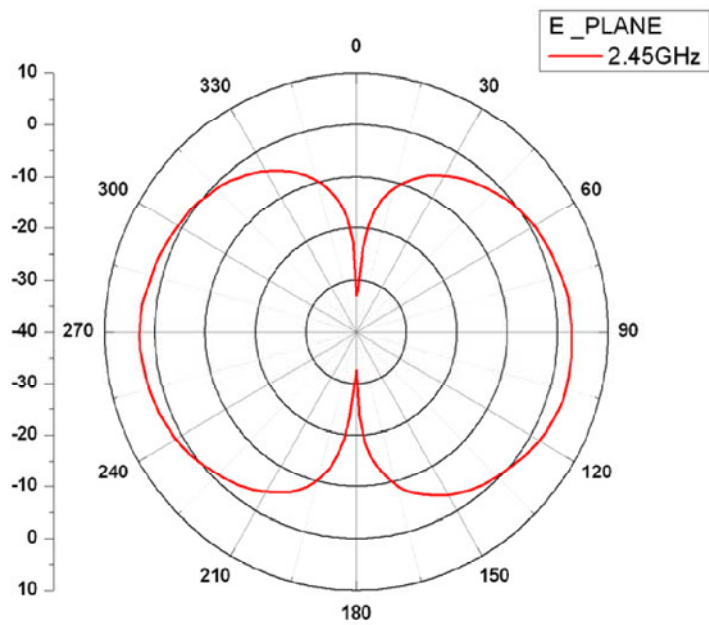
Network Analyzer: Agilent E5071B 100kHz~8.5GHz

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2D Patterns

Pattern Test

E-plane



H-plane

