

承 認 書

APPROVAL SHEET

CUSTOMER: MAP ELECTRONICS CO., LTD

CUSTOMER MODEL NO.: MEGHX-341XRSXX-920

DESCRIPTION #341X Replacement Antenna

REV.: 00

DATE 2013/4/11

Customer Approval	
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Item

1. Drawing

2. Test report

- Electrical test
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 - Carton
-

Modification History:

Rev.	Date	Content
00	2013/4/11	

4		3		2		1	
REV	ZONE	DESCRIPTION	ECN NO.	ENG	APPROVED	DATE	

$\phi 8$

101 ± 2

$\phi 10$ — Reverse SMA Plug

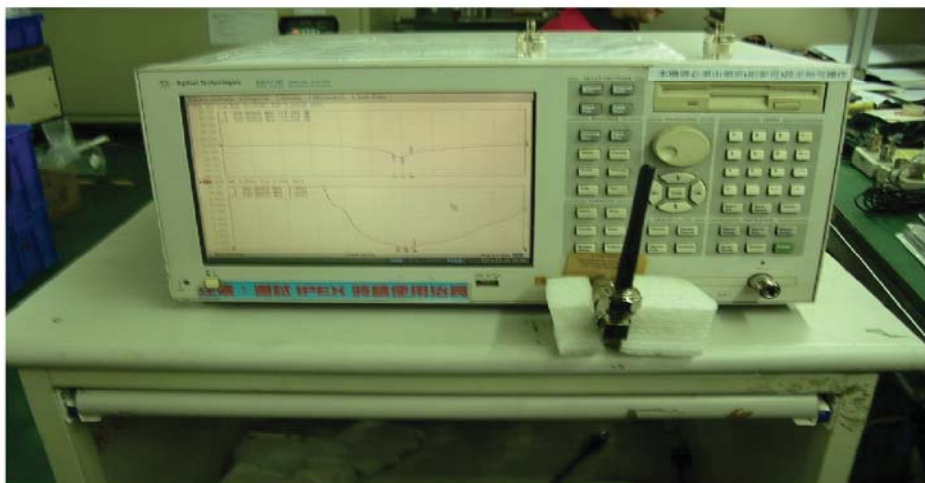
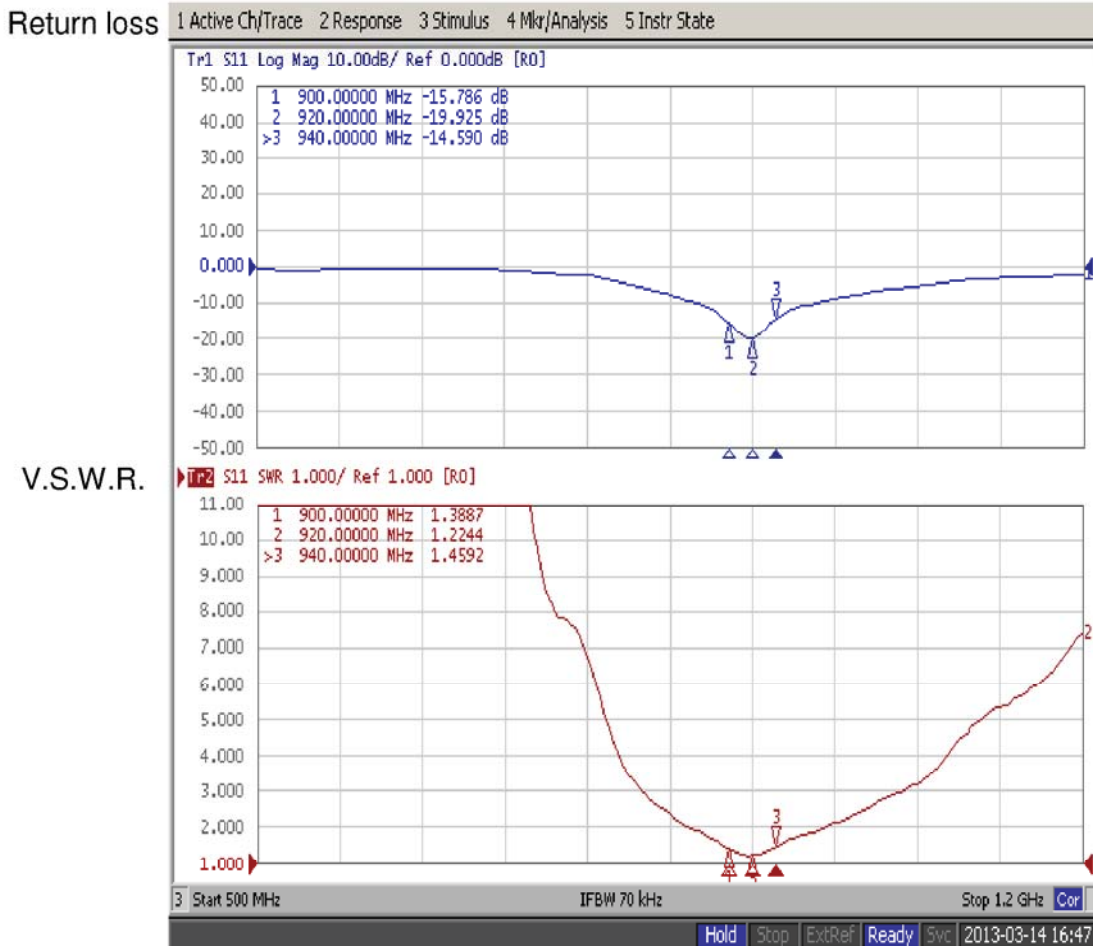
Electrical Properties	
Frequency Range	900-940 MHz
Impedance	50Ω
V.S.W.R.	≤ 2.0
Radiation	Omni
Gain	2dBi
Polarization	Vertical
Mechanical Properties	
Body Material	PU/TPE
Connector	Brass
Weight	8.5 g (est)
Operating Temp	20°C ~ 165°C

<small>UNLESS OTHERWISE SPECIFIED TOLERANCES ON: X ± 1 X.X ± 0.5 X.XX ± 0.25 ANG. ± 2.0°</small> <small>THIRD ANGLE PROJECTION</small>	DRAWN BY: KAY	MATERIAL:	TITLE : #341X Replacement Antenna
	DESIGNED BY: LEO	FINISH:	DRAW NO. :
	CHECKED BY:	SCALE:1/1;UNIT:mm	PART NO. : MEGHX-341XRSXX-920
	APPROVED BY: KYLIU	DATE: 2013/4/11	
		REV: 00	

Model. MEGHX-341XRSXX-920

Test Report

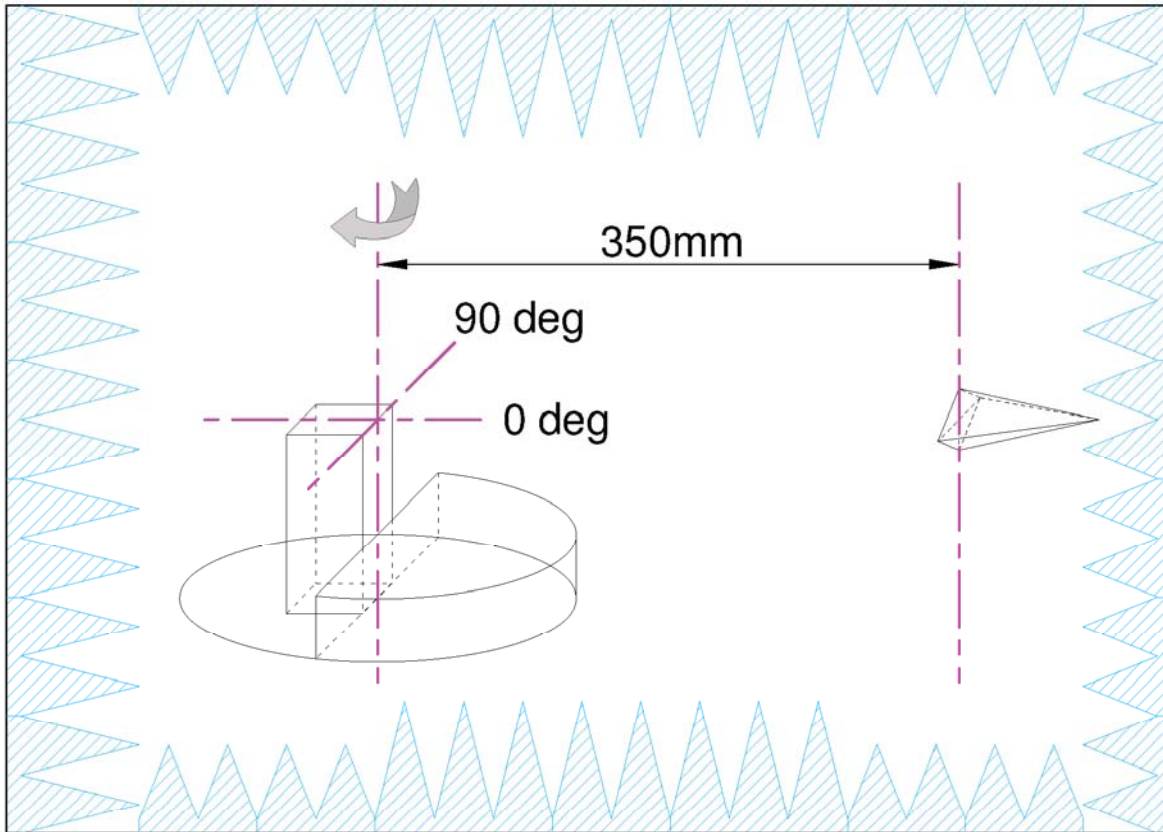
Return loss/V.S.W.R



Model. MEGHX-341XRSXX-920

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

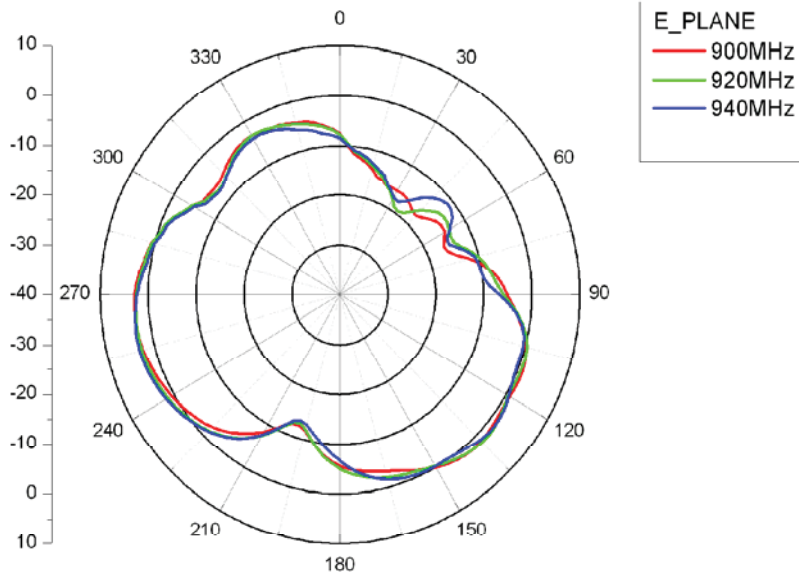
Network Analyzer: Agilent E5071B 100kHz~8.5GHz

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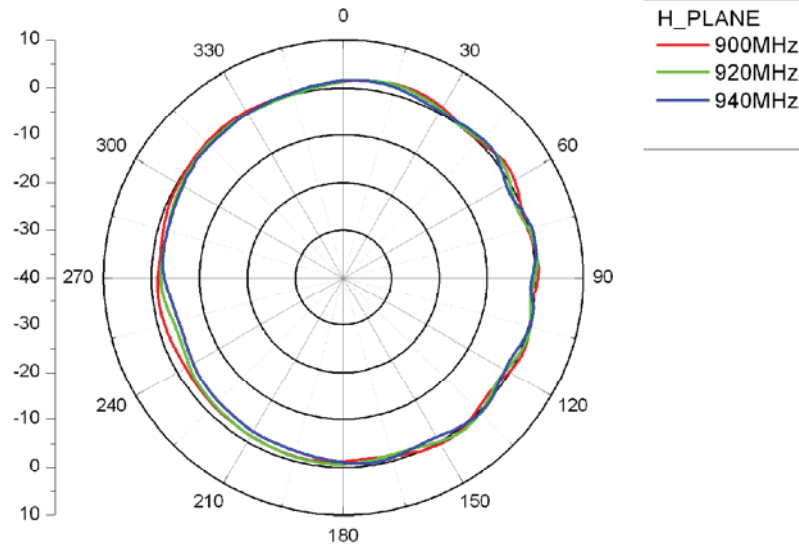
2D Patterns

Pattern Test

E-plane



H-plane



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 B
	3) Corrosion	MIL-STD-202, Method 101, Condition B
	4) Shock	MIL-STD-202, Method 213, Condition I
	5) Vibration	MIL-STD-202, Method 204, Condition D
	6) Moisture Resistance	MIL-STD-202, Method 106

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