

FM0414-02

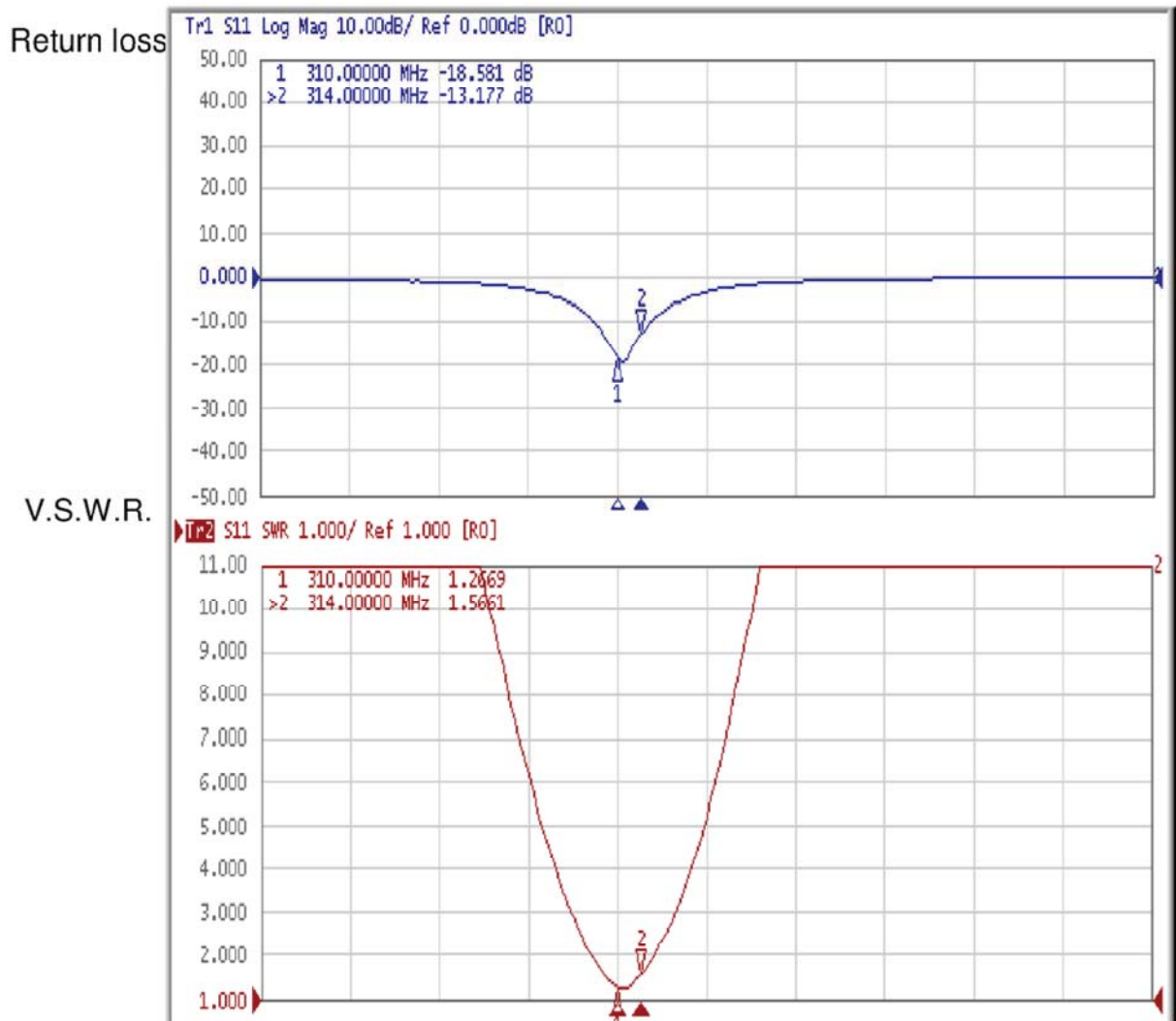


for reference only

Model. MEUWX-241XSAXX-315

Test Report

Return loss/V.S.W.R

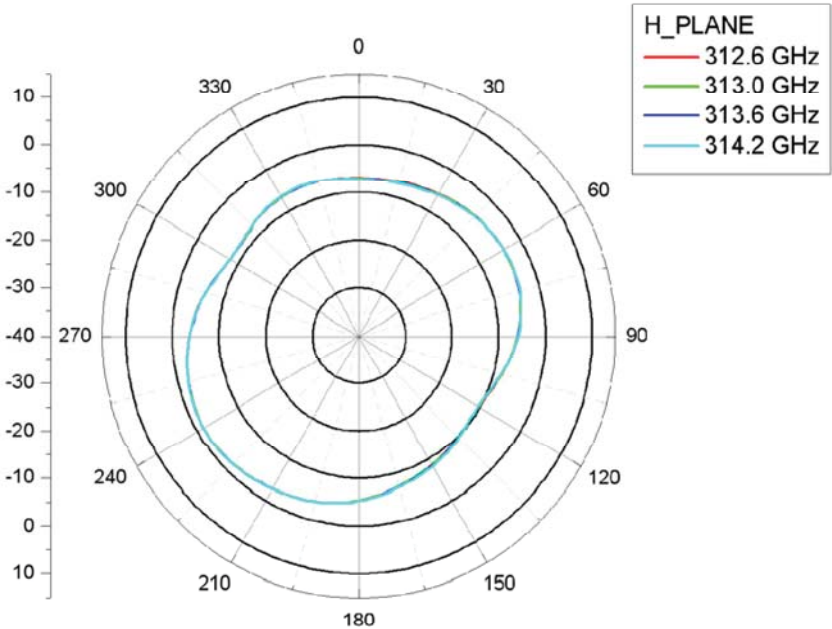
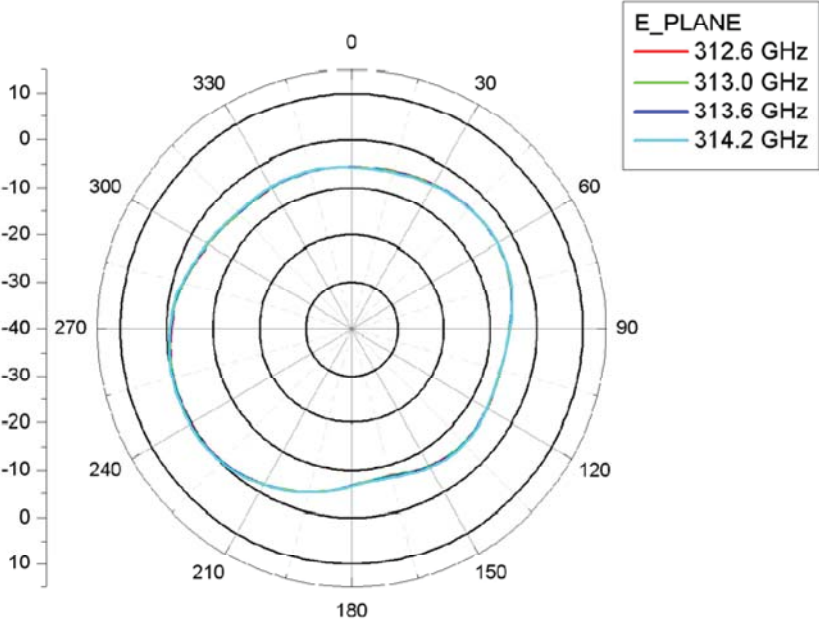


*搭配客戶機構測試

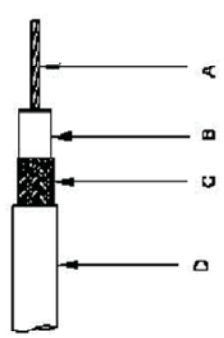
Model. MEUWX-241XSAXX-315

Test Report

Pattern



Rev	Change	By	Date
A	General Update	MP	03/04/02



Attenuation:

0.10 GHz	14.0 dB/100ft.
0.40 GHz	26.2 dB/100ft.
1.00 GHz	45.0 dB/100ft.
2.00 GHz	64.4 dB/100ft.
2.45 GHz	71.6 dB/100ft.
3.00 GHz	79.7 dB/100ft.
4.00 GHz	92.7 dB/100ft.
5.00 GHz	104.3 dB/100ft.
6.00 GHz	115.0 dB/100ft.

<p>Construction:</p> <p>A) Center Conductor: 30 7/38 SPCW* OD .012" ± .001"</p> <p>B) Dielectric: Extruded PTFE OD .033" ± .002"</p> <p>C) Shield: 38 AWG SPC* OD .051" Nom.</p> <p>D) Jacket: FEP - Brown Tint OD .071" ± .004"</p>	<p>Electricals:</p>	<p>50 ± 2 Dhms 32 pF/ft Max. 70% Nom. 115 GHz VSWR(.10 - 6.0 GHz): 1.20:1 Max Ramp Functions: 0.10GHz: 1.10:1 6.00GHz: 1.40:1</p>
<p>Physical Properties:</p> <p>Weight per 1000 Ft: 6.3 lbs Max. Minimum Bend Radius: .35" Operating Temperature Range: -55°C to 200°C Conductor Break Strength: 4.6 lbs.</p>		

Date: 12/17/01	Scale: None	Drawn By: MTP/iner	Approved By: WSP/mae
Drawing Name: RG178HP		Rev: A	Sheet 1 of 1
Part Number: TBD		Drawing Number: 121701-1	

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
