

仕様書番号

1400005-1

株式会社サーキットデザイン 御中

返却用

納入仕様書

SPECIFICATION FOR APPROVAL

RoHS対応

品名 Description	可倒式防水アンテナ (2.4GHz)
型名 Type Name	ANT-2400-SFW
御社部品番号 Customer Part No	00023905
弊社部品番号 Vender Part No	40140681 (IWX-2102RSXX-350)

受領印欄

Specification Sheet Receipt

この書類を受領いたしました。

品番 00023905

2016年7月26日

(株)サーキットデザイン
技術部

宮下

提出部数

3部

御返却部数

1部

株式会社 マップエレクトロニクス

〒386-0005

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DATE

2016年07月04日

承認
APPROVED確認
CONFIRMED担当
REPRESENTATIVE

豊田

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山崎

變 更 履 歷 書

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Index.

Item

1. Specification

- Drawing
- Connector
- Cable

2. Test report

- Electrical test
- Pattern test

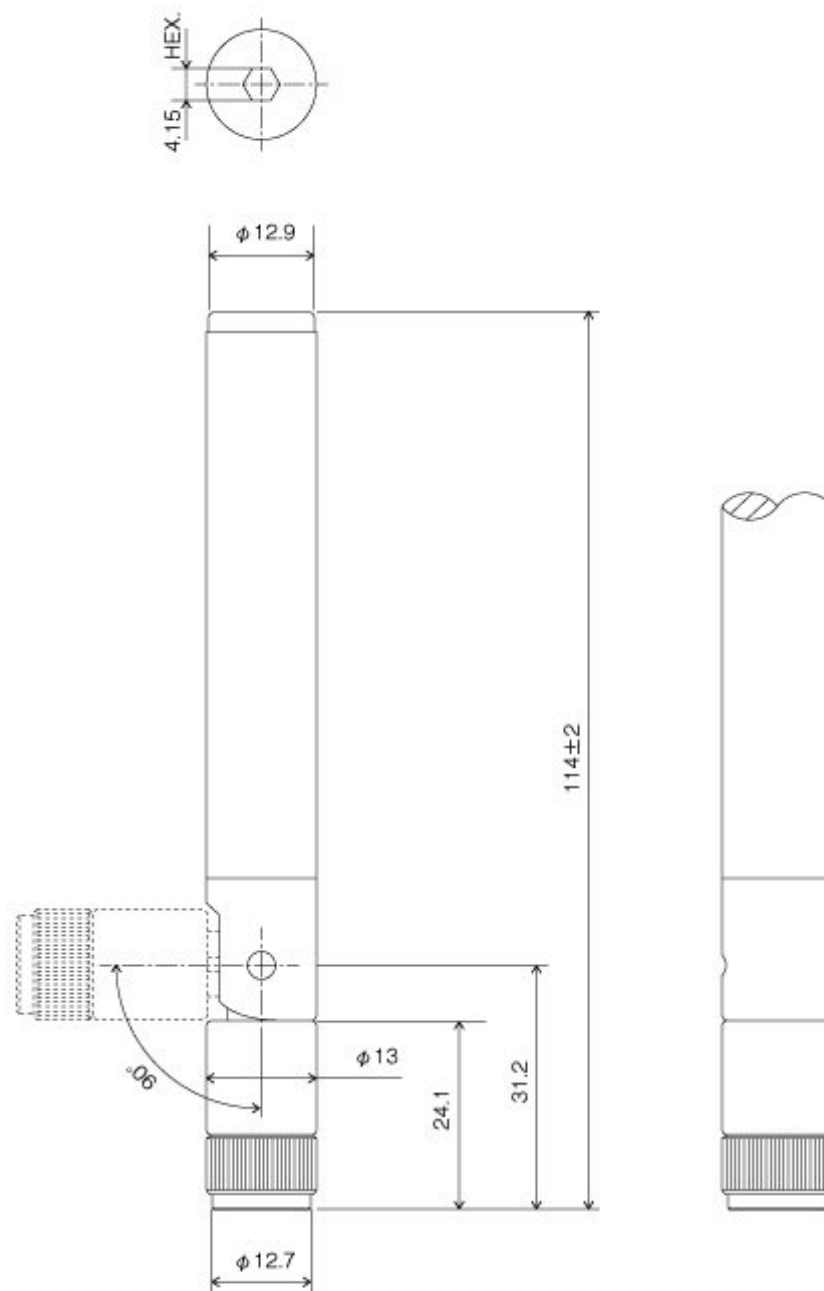
3. Packing

- PE Bag
 - Carton
-

Modification History:

Rev.	Date	Content
00	2015/11/27	





Antenna type Swivel antenna
 Impedance 50 ohms
 VSWR <2.0
 Gain 2 dBi
 Connector Reverse SMA connector

Connector

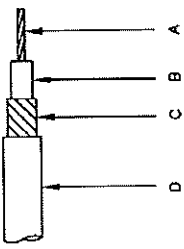
SMA

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

Environmenta l Data	1) Operating Temperature	-65°C ~ +165°C
	2) Thermal Shock	MIL-STD-202, Method 107, Condition
	3) Corrosion	MIL-STD-202, Method 101, Condition
	4) Shock	MIL-STD-202, Method 213, Condition
	5) Vibration	MIL-STD-202, Method 204, Condition
	6) Moisture Resistance	MIL-STD-202, Method 106

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

Rev	Change	By	Date



A
B
C
D

Electricals:

Characteristic Impedance: $50 \pm 2 \text{ Ohms}$
 Inner Conductor Resistance @20°C: $349 \text{ nom. } \Omega/\text{km}$
 Capacitance: 96.5 PF/m

Construction:

A) Inner Conductor:
 Silver Plated Copper
 OD 0.304mm

B) Dielectric:
 Extruded FEP
 OD 0.89mm

C) Outer Conductor:
 Silver Plated Copper
 OD 1.11mm

D) Outer Jacket:
 Extruded FEP
 OD $1.37 \pm 0.1\text{mm}$

Norm. Attenuation:

1.0 GHz	1.5 dB/m
2.0 GHz	2.2 dB/m
3.0 GHz	2.6 dB/m
4.0 GHz	3.0 dB/m
5.0 GHz	3.5 dB/m
6.0 GHz	3.9 dB/m

Scope:

This specification presents a FEP jacketed COAXIAL cable AWC30, 1.37 mm O.D. for internal wiring of electronic equipments, such as Computer/Notebook with wireless communication systems.

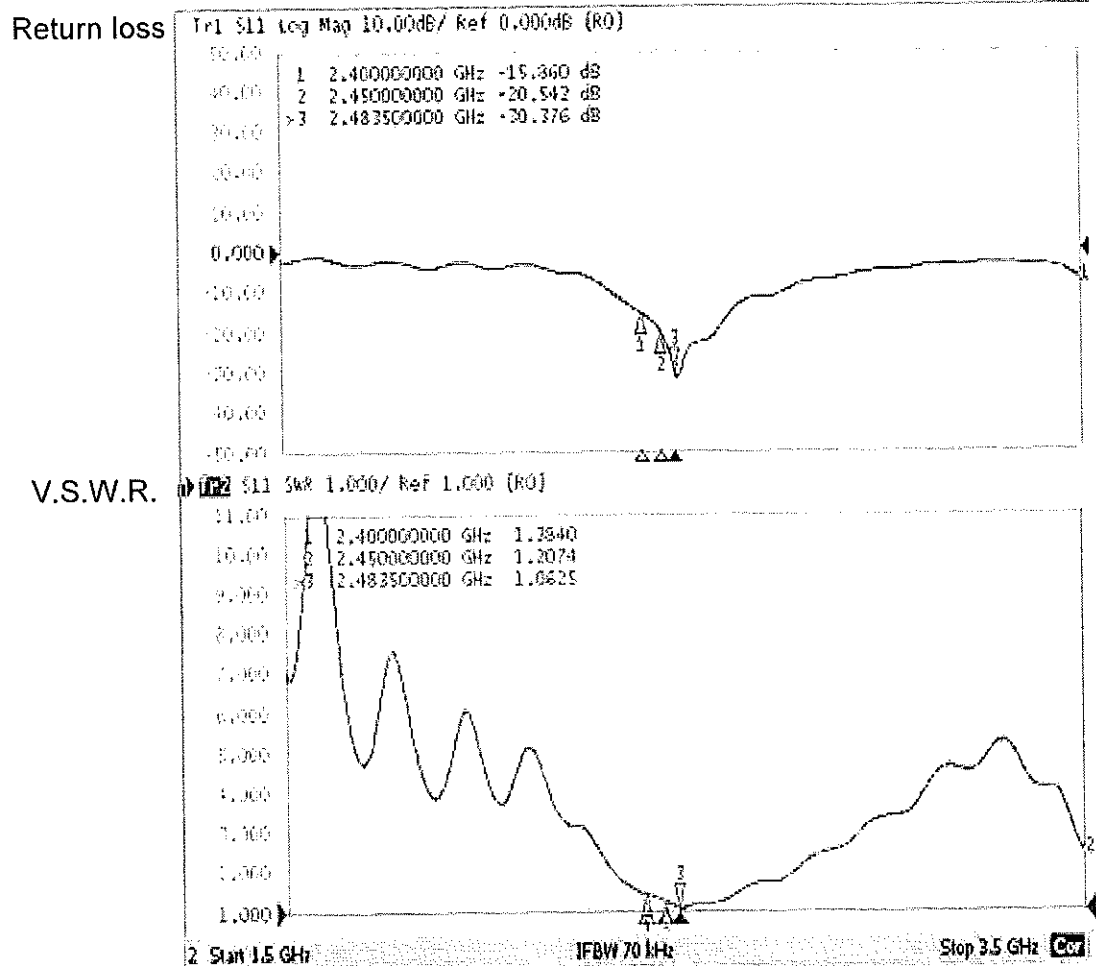
Date: 12/18/2003
Scale: None
Drawing Name: J1.37

Drawn By: Anna
Rev: Sheet 1 of 1

Model. IWX-2102RSXX-350

Test Report

Return loss/V.S.W.R

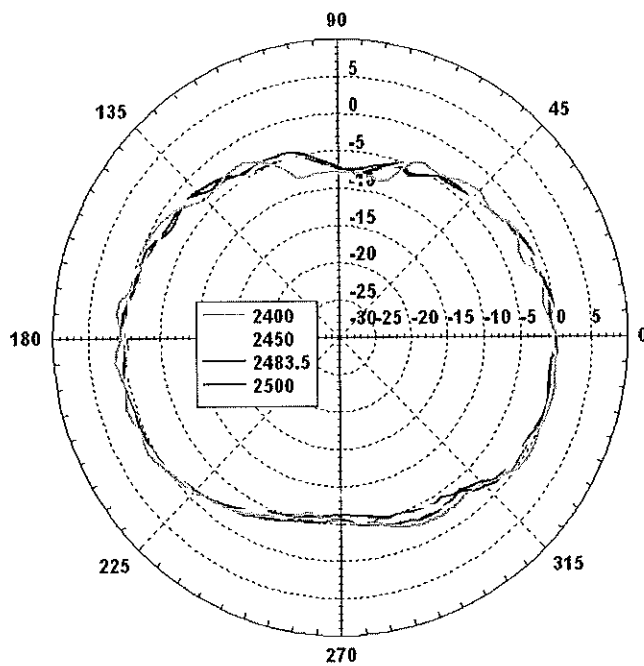


Model. IWX-2102RSXX-350

2D Patterns

Pattern Test

E-plane



H-plane

