納 入 仕 様 書

iAN078-2.5M
iAN078-3.5ME
iAN078-6ME
iAN078-14.5ME

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改版履歴

版数	日付	承認者	改版者	改版内容
N1.0	2018 年 1 月 26 日	中嶋	正木	Rev1R0 から更新
N2.0	2018 年 11 月 10 日	中嶋	正木	Model iAN078-3.5ME 追加、iEC1M 仕様書追加
N2.1	2021 年 11 月 10 日	中嶋	正木	型番変更 iAN078-14.5M => iAN078-14.5ME （延長ケーブル付きアンテナは型番末尾に E を付加） 「11.RoHS 指令調査結果」差替（6 物質=>10 物質） 「延長ケーブル（iEC12M）仕様」差替 「延長ケーブル（iEC1M）仕様」差替 「5,環境性能」訂正 Operation Temperature :−20～+90℃ => −20～+70℃ Storage Temperature :−30～+90℃ => −30～+80℃
N2.2	2023 年 2 月 15 日	中嶋	正木	Band B40 データ（2302.5MHz/2350MHz/2397.5MHz）追加 “Antenna Orientation Definition (X/Y/Z)” 追加
N2.3	2023 年 2 月 28 日	中嶋	正木	“Antenna Orientation Definition (X/Y/Z)” 方向定義更新 （追加試験：2023 年 2 月のみ）
N2.4	2024 年 1 月 22 日	中嶋	正木	本体外観図に赤燐フリー追記載 梱包仕様変更 （本体、iEC1M） IDY 住所変更
N2.5	2026 年 2 月 2 日	大野	正木	① 延長ケーブル3.5m(iEC3.5M)付きモデル iAN078-6ME追加 ② 末尾IDY住所からFAX番号削除

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■ 適用

本仕様書は、株式会社IDY（以下、「IDY」という）が供給する 3G/LTE/WiMAX および WiMAX2+向け アンテナ iAN078 シリーズの納入仕様書である。

■ 仕様

1. 型名　　iAN078-2.5M　：アンテナ本体（ケーブル長 2.5m）のみ
   iAN078-3.5ME　：アンテナ本体（ケーブル長 2.5m）＋1m 延長ケーブル（iEC1M）
   iAN078-6ME　：アンテナ本体（ケーブル長 2.5m）＋3.5m 延長ケーブル（iEC3.5M）
   iAN078-14.5ME　：アンテナ本体（ケーブル長 2.5m）＋12m 延長ケーブル（iEC12M）
2. 用途　　3G/LTE/WiMAX および WiMAX2+通信モジュールに接続し使用される。
3. 電気特性

Frequency	**704 ~ 960 MHz** **1447~1510 MHz** **1710 ~ 2700 MHz**
V.S.W.R.	**<= 3.0 @ 704 ~ 960 MHz** **<= 2.0 @1447~1510 MHz** **<= 2.5 @ 1710 ~ 2700 MHz**
Peak Gain	**- 1.3 dBi @704 ~ 960 MHz　(≦+3dBi)** **- 0.1 dBi @1447~1510 MHz　(≦+3dBi)** **0.1 dBi @ 1710 ~ 2700 MHz　(≦+3dBi)**
Polarization	**Linear**
Impedance	**50 Ohm**

4. 使用部材

Material of Radiator	**PCB**
Material of Plastic	**PC+ABS(C2950) UL94-V0**
Cable Type	**RF100 / 2500mm**
Connector Type	**SMA Male**
Connector Pull Test	**>= 3 Kg**

5. 環境性能

Waterproof	**IPX6**
Operation Temperature	**- 20 ˚C ~ + 70 ˚C**
Storage Temperature	**- 30 ˚C ~ + 80 ˚C**

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6. 信頼性試験

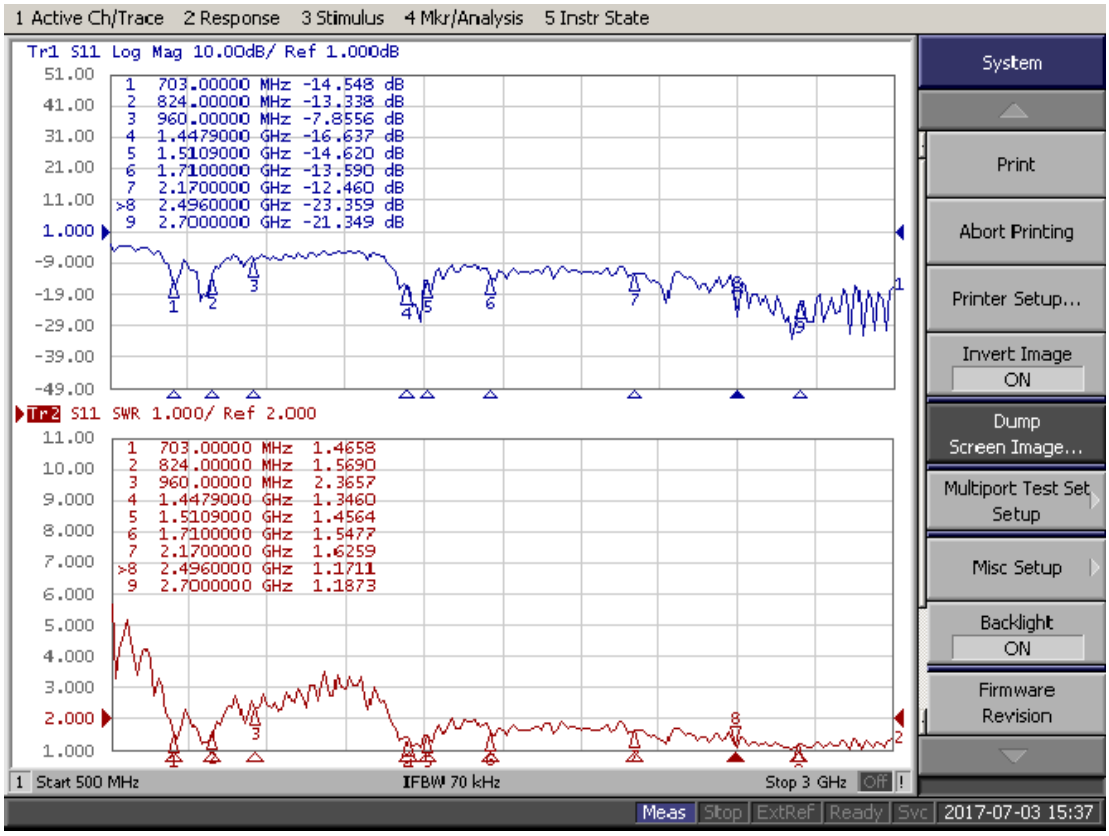
Test Items		Test Condition and Procedure	Requirements
C1	S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification
C2	Antenna Gain	Set DUT on Antenna Chamber; make individual calibration to test	Directive DUT specification
M1	Vibration	GB / T2423. 48-1997 Amplitude: 0.03 inch (1.5mm); Freq: 20 to 80 to 20 Hz 3 directions; 2 hours for each direction	1. No Visual Damage 2. Frequency Tol.<= 5%
M2	Random Drop	GB / T2423.8-1995 Height: 1.0 Meter; 3 directions; 1 time for each direction	1. No parts separated 2. Frequency Tol.<= 5%
M3	Solderability	GB 2423. 28- 82 Solder iron: 260±5°C Duration: 5 seconds	1. Mounted on PCB 2. No Visual Damage
M4	Terminal-Pull Test	Holding with individual specification; force applied to axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M5	Terminal-Torque Test	Holding with individual specification; applied clockwise and counterclockwise to the axis of terminal	1. Directive DUT specification 2. Frequency Tol.<= 5%
M6	Dimension	Inspection of dimension, color, material, package, surface process	Directive DUT specification
E1	Salt Spray	GB / T 2423. 17- 93 Temp: 35°C; RH: >= 95%; NaCl solution: >= 5%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E2	Humidity	GB / T 2423. 4 - 93 Temp: 80°C / 12 H; -40°C / 12H RH: >= 90%; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%

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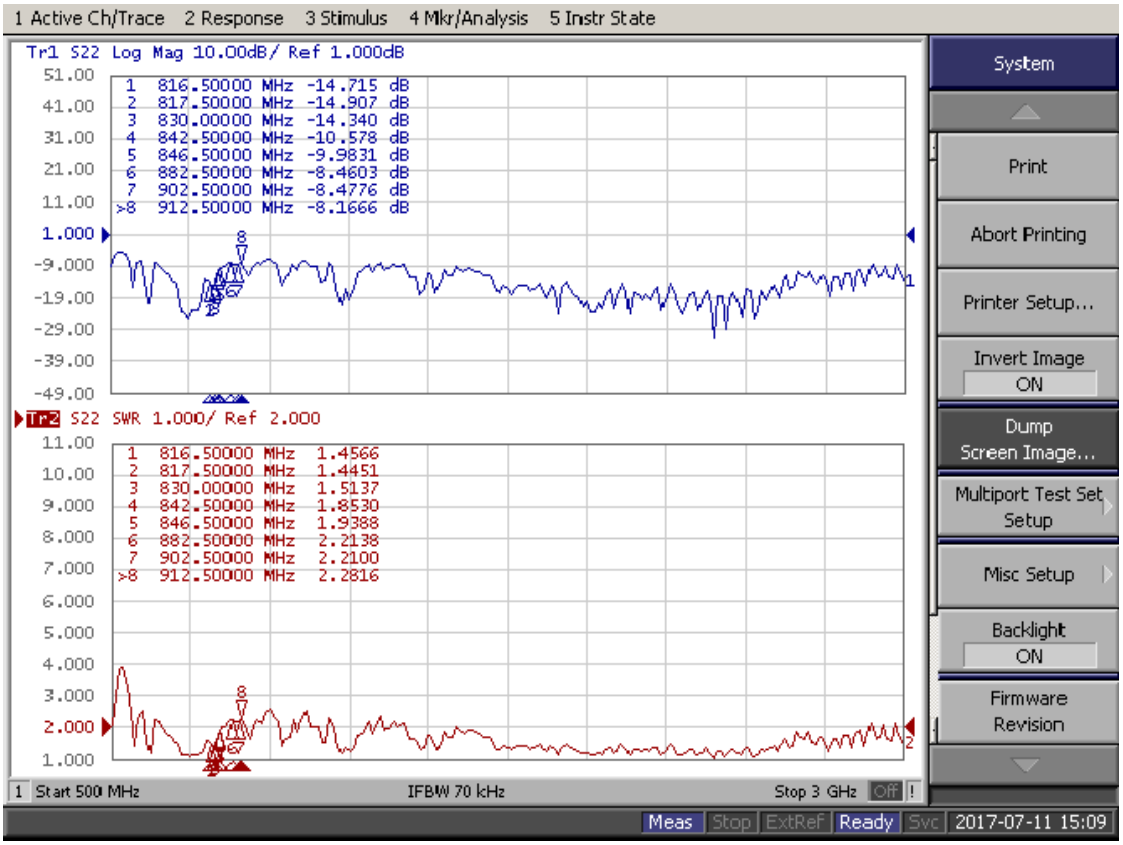
E3	Thermal Shock	GB / T 2423. 22 - 87 1 Cycle: - 40°C (30 minutes) to + 80°C (30 minutes) Cycles: 24	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
E4	Life (High Temp.)	GB /T 2423. 2 - 89 Temp: 80°C; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.<= 5%
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2002/95/EC
R2	PFOS	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC
R3	PFOA	With Reference to USA EPA 3540C:1996 by LC/MS	Directive RoHS 2006/122/EC

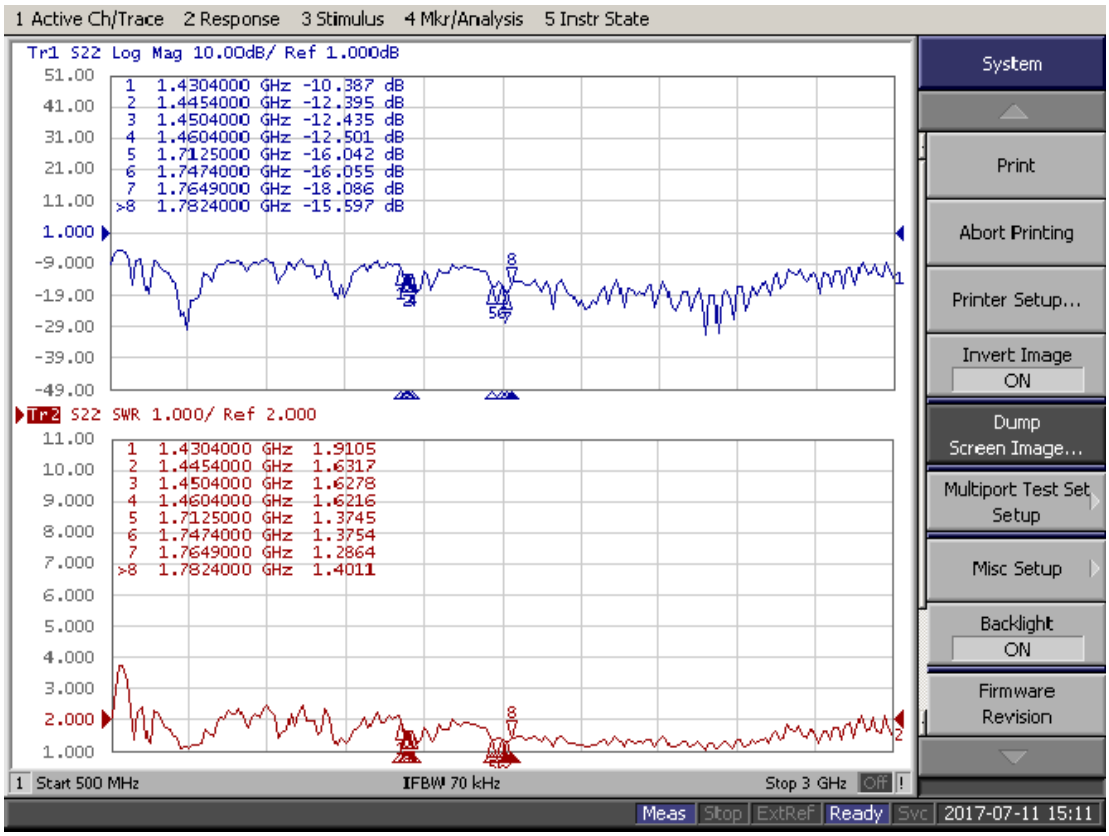
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7. パラメータテスト結果

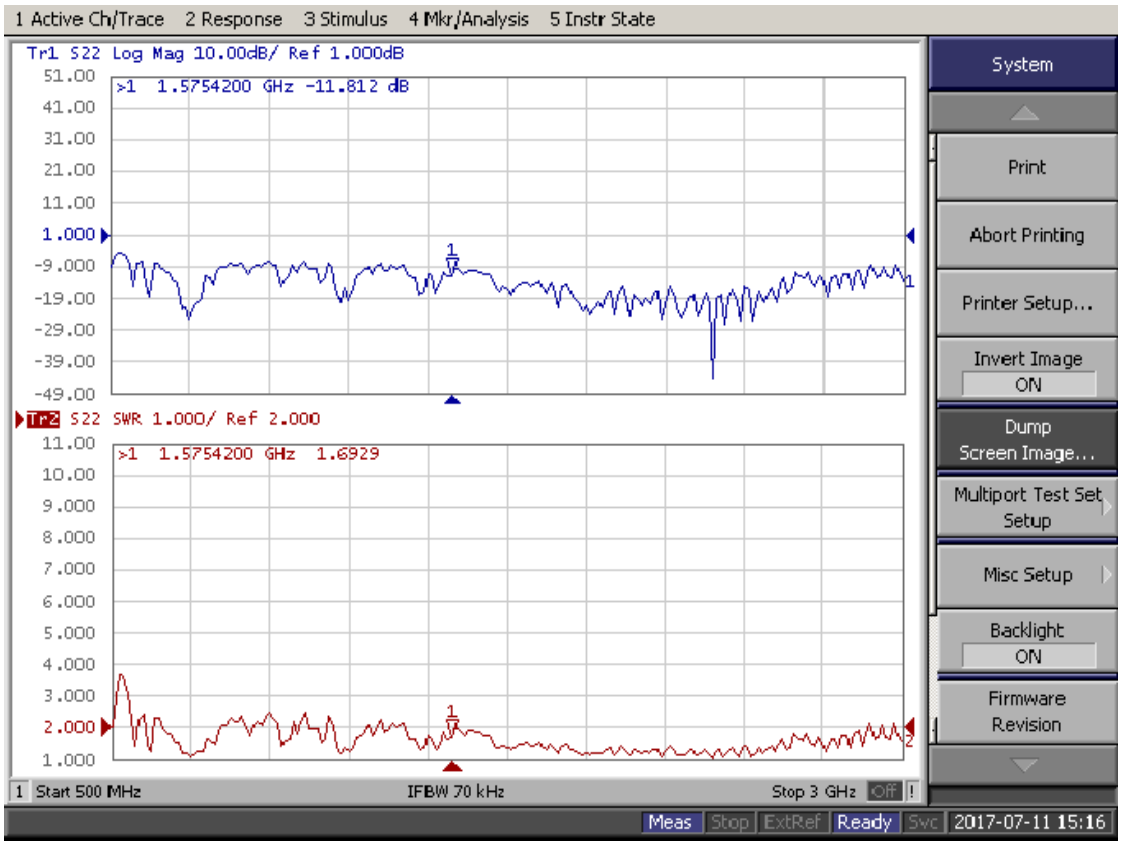


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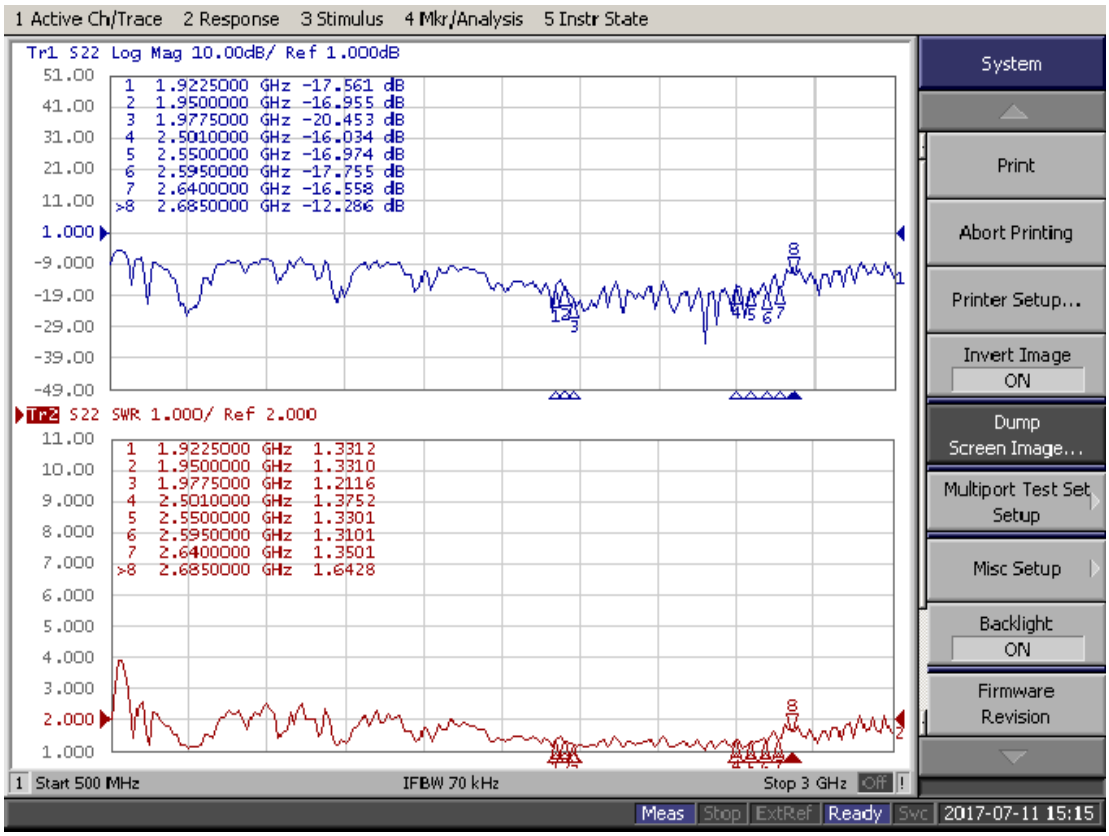




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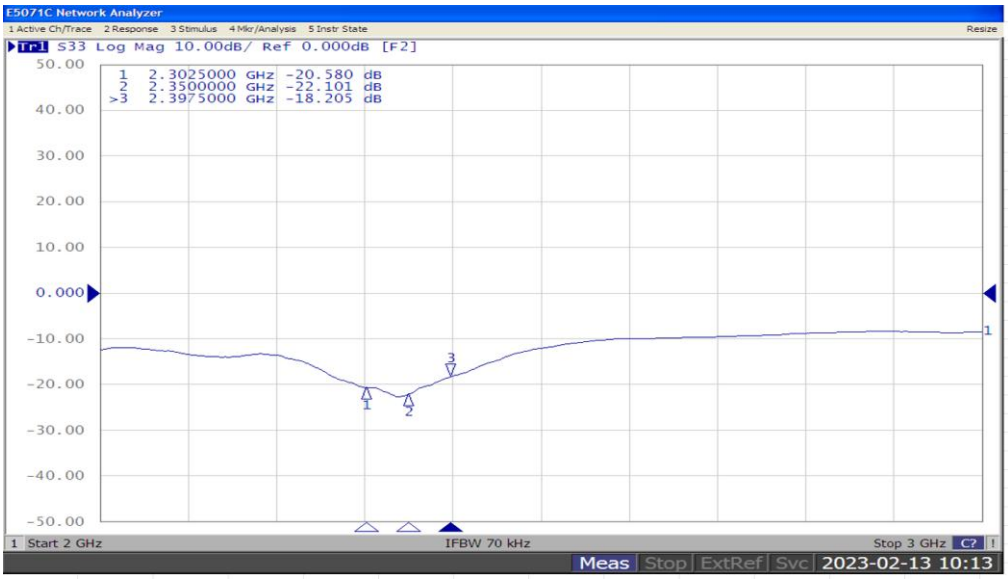


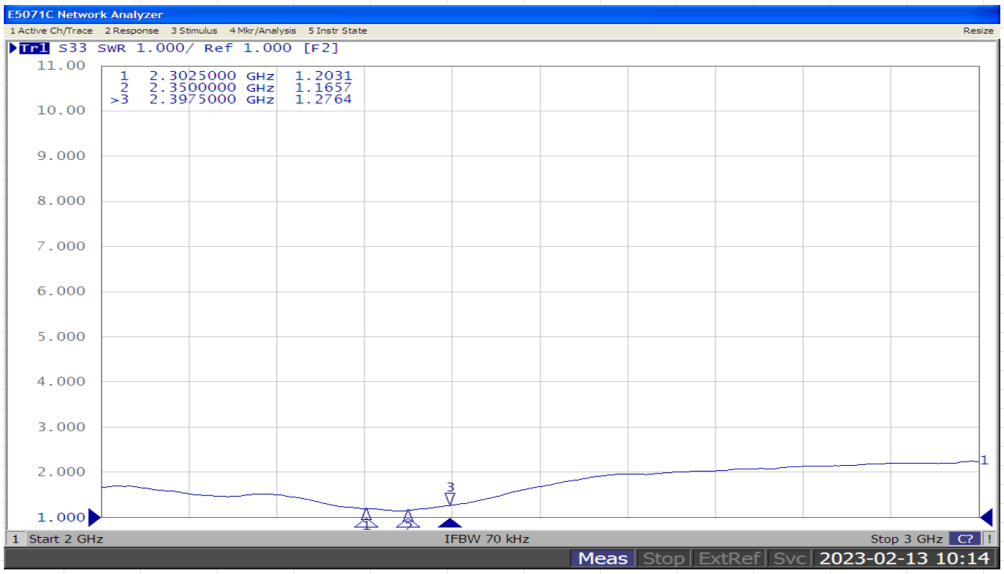
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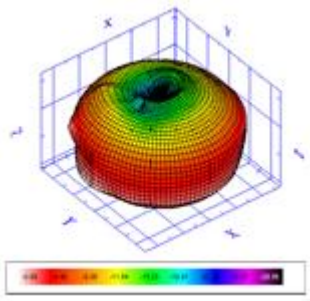
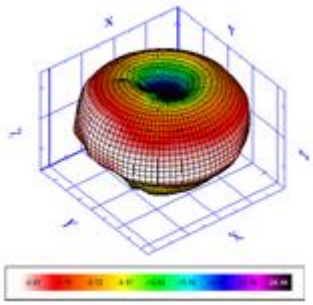
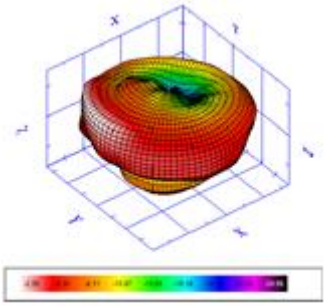
（追加試験:2023 年 2 月）





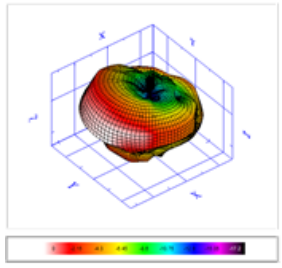
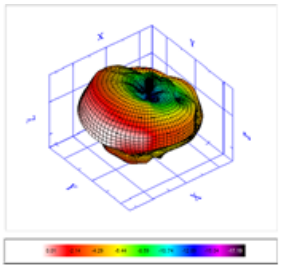
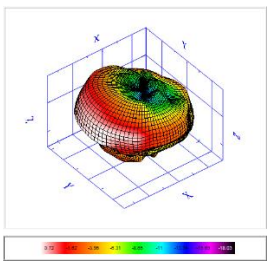
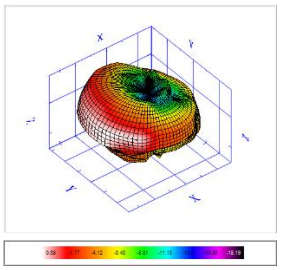
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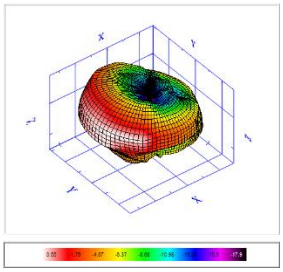
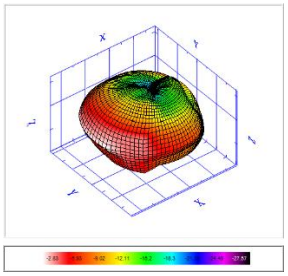
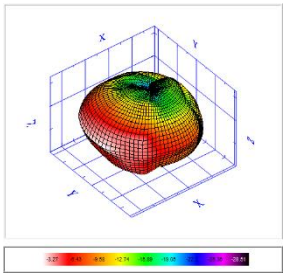
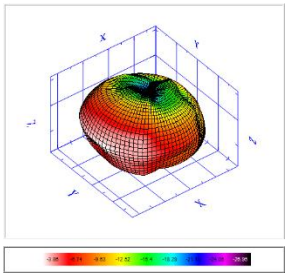
8. 放射特性

699MHz	869MHz	960MHz
		

周波数（MHz）	699	724	782	824	839	854	869	884	899	914	929	944	960
最大利得（dBi）	-0.89	-0.77	0.7	2.61	1.93	1.6	-0.81	-2.47	-3.03	-4.22	-4.7	-4.09	-2.59
放射効率（%）	25.65	21.31	36.56	49.26	48.61	50.67	33.07	23.91	21.86	18.04	13.92	12.63	14.68
平均利得（dBi）	-5.91	-6.71	-4.37	-3.08	-3.13	-2.95	-4.81	-6.21	-6.6	-7.44	-8.56	-8.99	-8.33

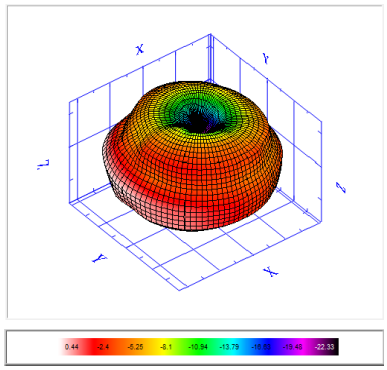
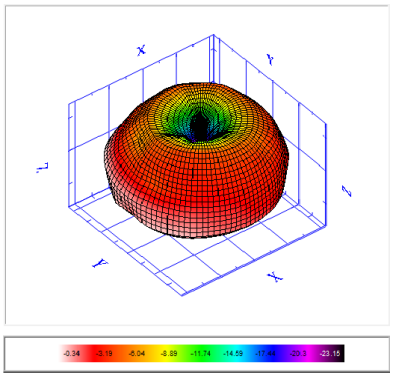
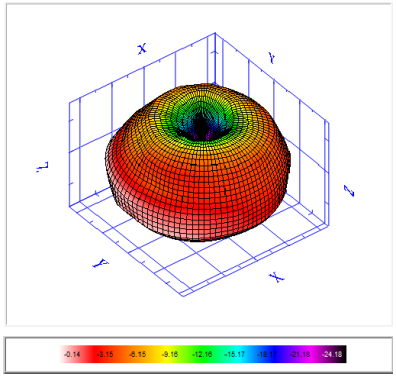
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816.5MHz	817.5MHz	830.0MHz	842.5MHz
			

846.5MHz	902.5MHz	907.5MHz	912.5MHz
			

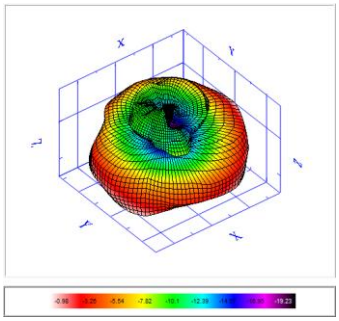
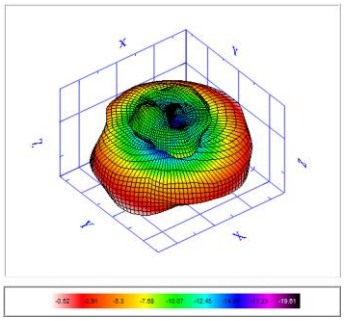
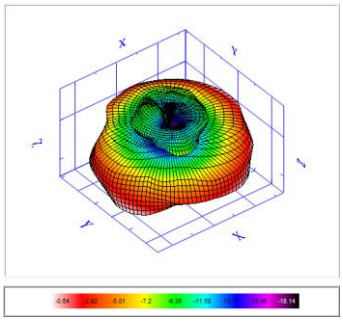
周波数（MHz）	816.5	817.5	830	842.5	846.5	882.5	902.5	907.5	912.5
最大利得（dBi）	0	0.01	0.72	0.58	0.55	-1.42	-2.83	-3.27	-3.86
放射効率（%）	36.9	36.96	41.03	37.56	38.12	21.11	13.69	12.37	12.55
平均利得（dBi）	-4.33	-4.32	-3.87	-4.25	-4.19	-6.75	-8.64	-9.07	-9.01

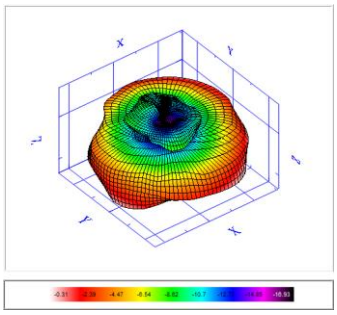
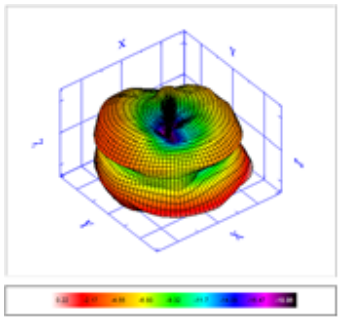
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1447MHz	1479MHz	1511MHz
		

周波数（MHz）	1427	1447	1463	1479	1495	1511
最大利得（dBi）	-0.4	0.44	0.03	-0.34	-0.24	-0.14
放射効率（%）	37.57	40.72	38.76	37.36	37.84	38.41
平均利得（dBi）	-4.25	-3.9	-4.12	-4.28	-4.22	-4.16

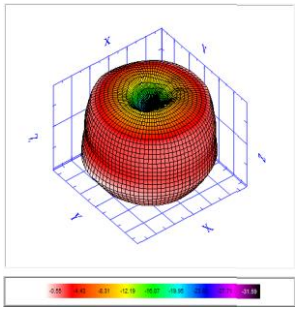
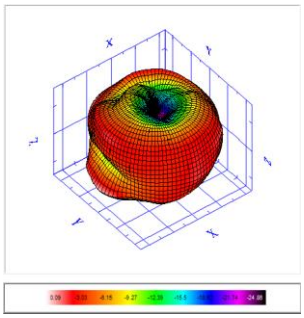
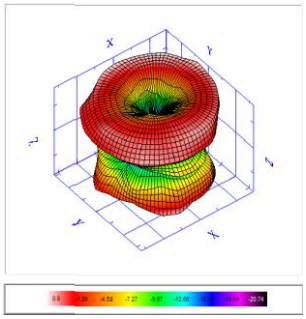
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1430.4MHz	1445.4MHz	1450.4MHz
		

1460.4MHz	1575.42MHz
	

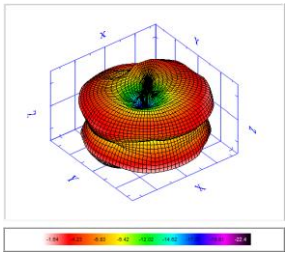
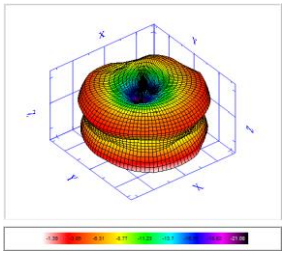
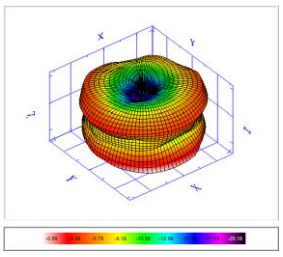
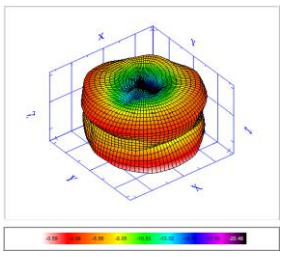
周波数（MHz）	1430.4	1445.4	1450.4	1460.4	1575.42
最大利得（dBi）	-0.98	-0.52	-0.64	-0.31	0.22
放射効率（%）	25.54	26.7	26.3	26.01	33.27
平均利得（dBi）	-5.93	-5.73	-5.8	-5.85	-4.78

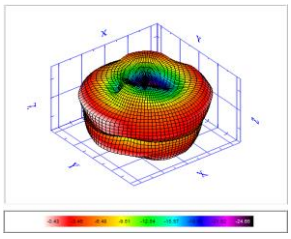
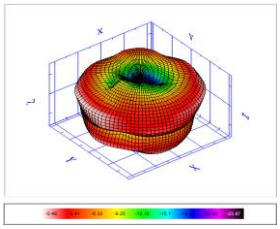
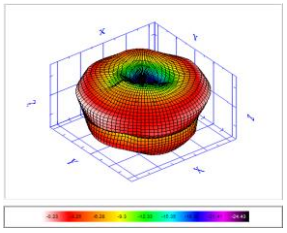
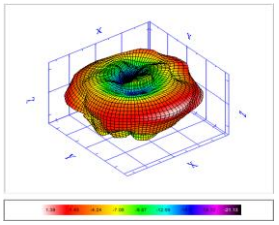
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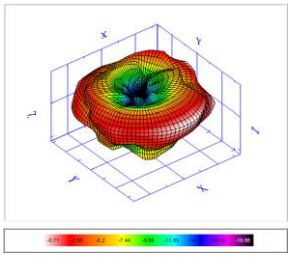
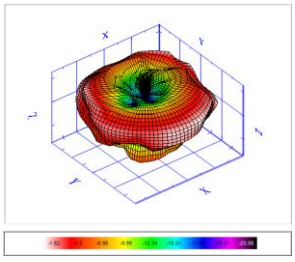
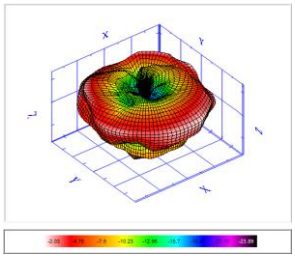
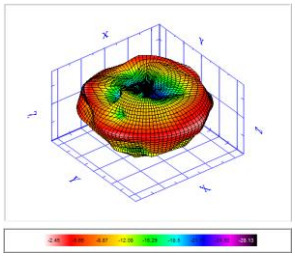
1710MHz	2100MHz	2700MHz
		

周波数（MHz）	1710	1880	1920	1990	2000	2100	2200	2300	2400	2500	2600	2700
最大利得（dBi）	-0.55	-0.39	0.19	0.42	0.71	0.09	0.12	-0.14	-0.12	-0.04	0.01	0.8
放射効率（%）	36.13	33.34	36.09	29.25	30.29	33.5	31.7	28.76	31.38	36.9	36.26	34.35
平均利得（dBi）	-4.42	-4.77	-4.43	-5.34	-5.19	-4.75	-4.99	-5.41	-5.03	-4.33	-4.41	-4.64

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1712.5MHz	1747.4MHz	1764.9MHz	1782.4MHz
			

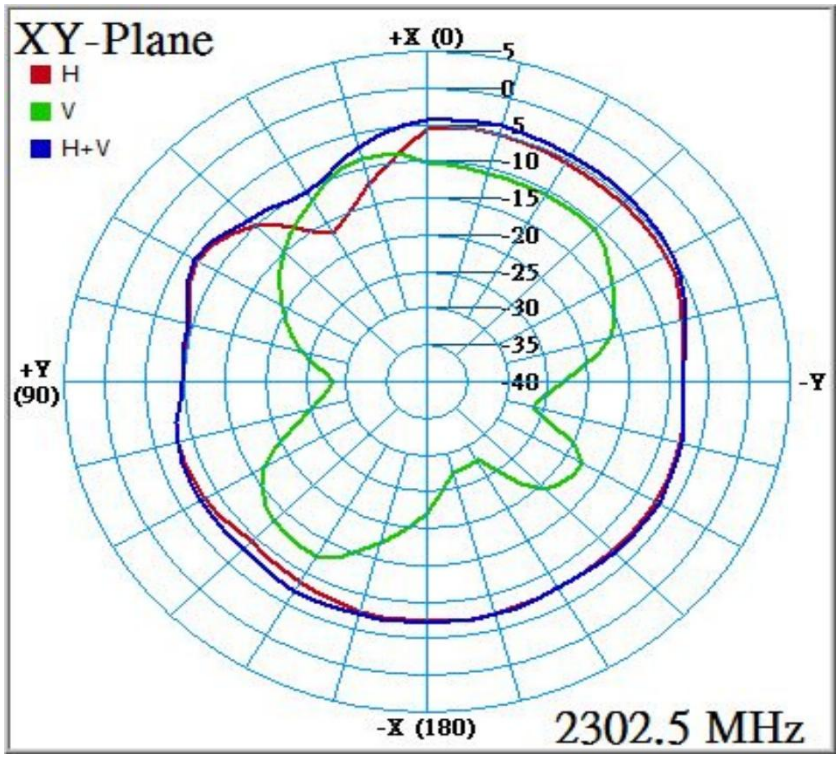
1922.5MHz	1950.0MHz	1977.5MHz	2501.0NHz
			

2550.0MHz	2595.0MHz	2640.0MHz	2685.0MHz
			

周波数（MHz）	1712.5	1747.4	1764.9	1782.4	1922.5	1950	1977.5	2501	2550	2595	2640	2685
最大利得（dBi）	-1.64	-1.39	-0.99	-0.59	-0.43	-0.48	-0.23	1.39	-0.71	-1.62	-2.03	-2.45
放射効率（%）	29.4	29.05	29.41	30.16	40.22	38.96	41.15	35.19	27.27	26.18	21.86	16.7
平均利得（dBi）	-5.32	-5.37	-5.31	-5.21	-3.96	-4.09	-3.86	-4.54	-5.64	-5.82	-6.6	-7.77

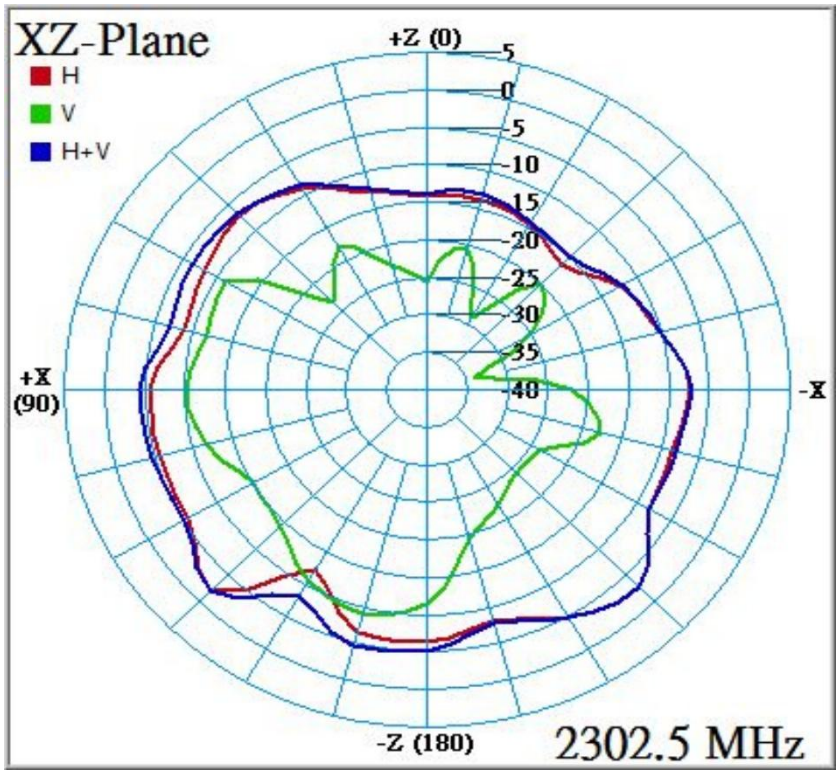
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（追加試験:2023 年 2 月）



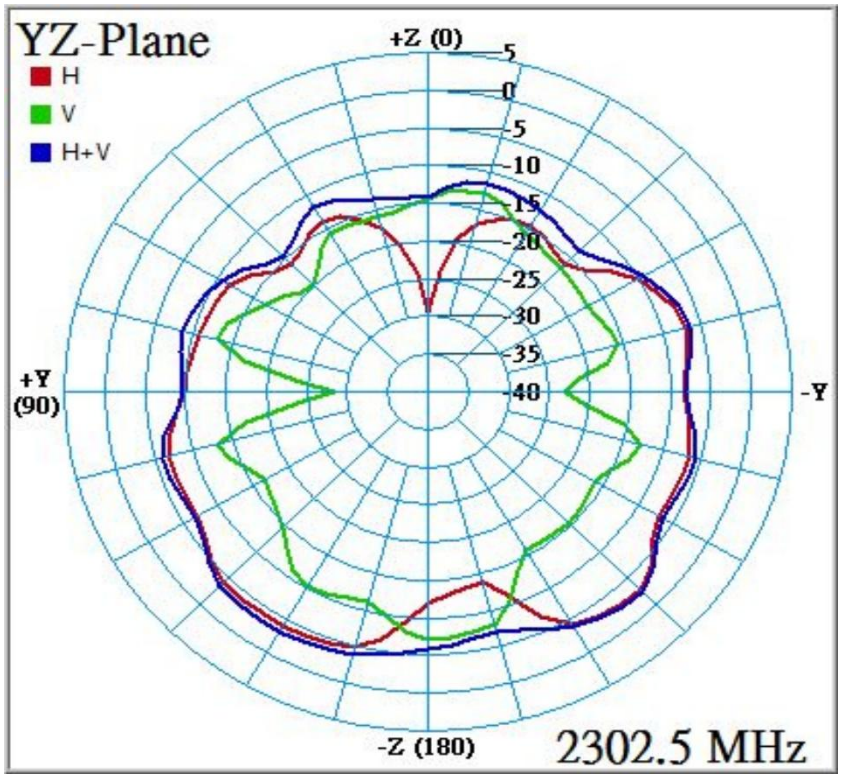
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-7.61	-14.37	-6.78
Peak EIRP (dBi)	-5.06	-8.47	-3.99
Directivity (dBi)	2.54	5.9	2.79
Efficiency (dB)	-7.61	-14.37	-6.78
Efficiency (%)	17.35	3.66	21.01
Gain (dBi)	-5.06	-8.47	-3.99

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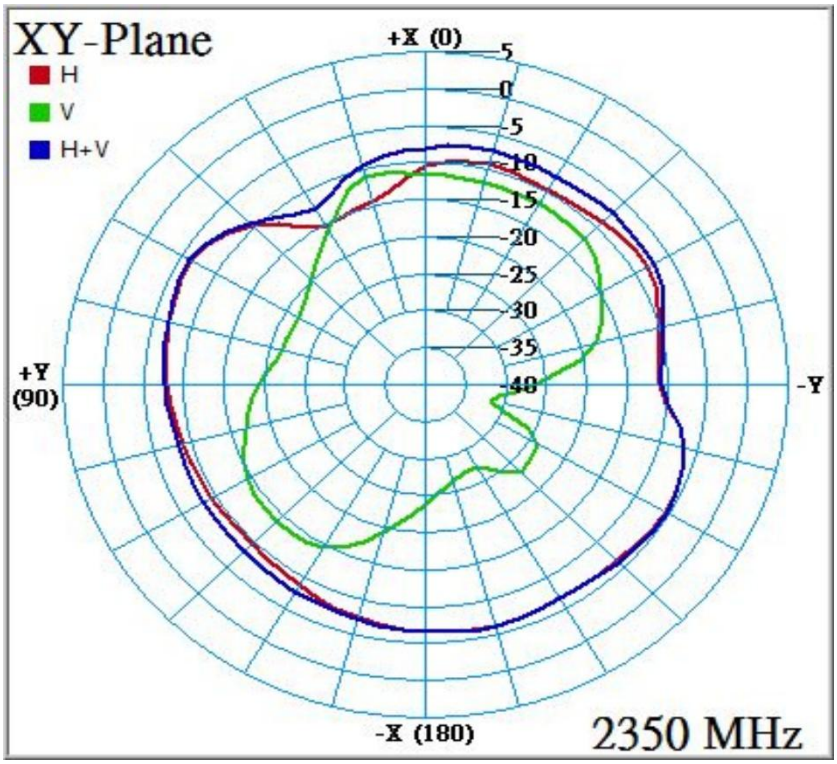
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-7.42	-15	-6.73
Peak EIRP (dBi)	-2.27	-9.14	-2.01
Directivity (dBi)	5.16	5.86	4.72
Efficiency (dB)	-7.42	-15	-6.73
Efficiency (%)	18.09	3.16	21.25
Gain (dBi)	-2.27	-9.14	-2.01

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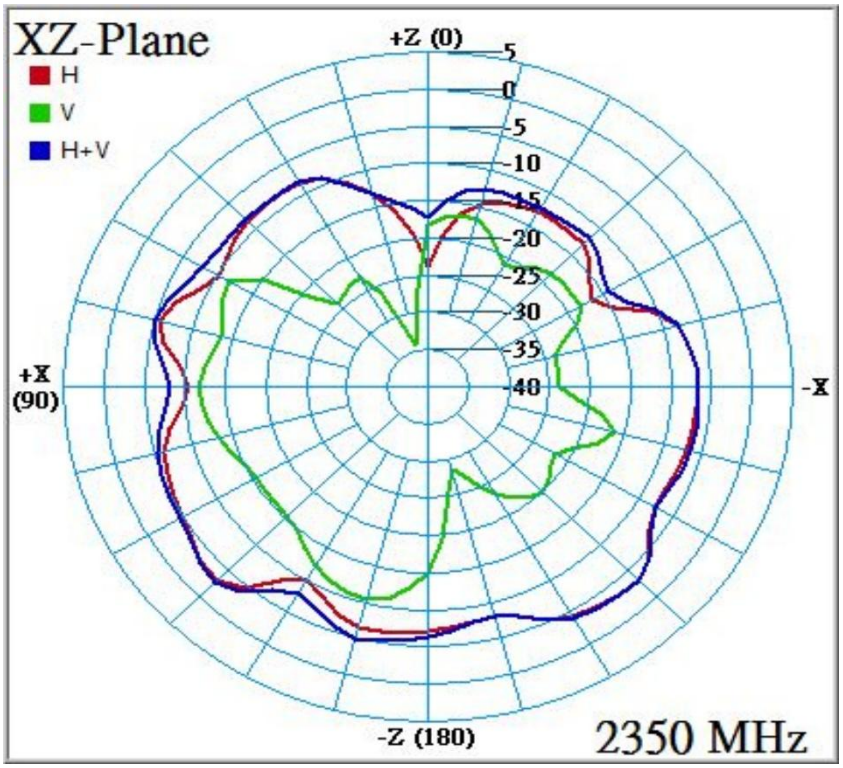
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-8.03	-13.43	-6.93
Peak EIRP (dBi)	-2.79	-7.07	-2.56
Directivity (dBi)	5.23	6.36	4.37
Efficiency (dB)	-8.03	-13.43	-6.93
Efficiency (%)	15.75	4.54	20.29
Gain (dBi)	-2.79	-7.07	-2.56

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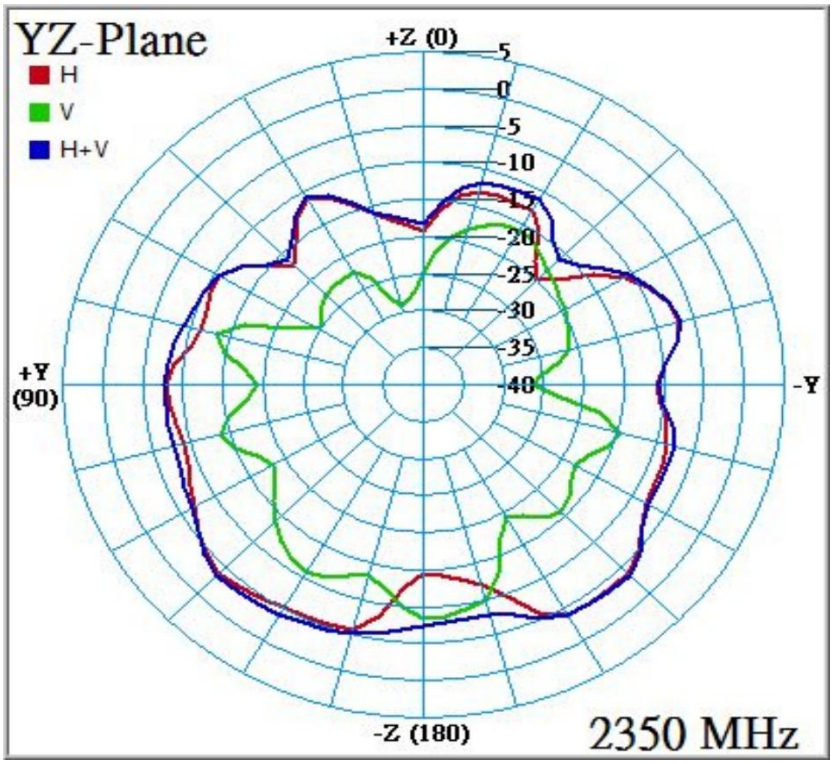
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-8.21	-15.9	-7.52
Peak EIRP (dBi)	-5.45	-10.95	-5.39
Directivity (dBi)	2.76	4.95	2.14
Efficiency (dB)	-8.21	-15.9	-7.52
Efficiency (%)	15.12	2.57	17.69
Gain (dBi)	-5.45	-10.95	-5.39

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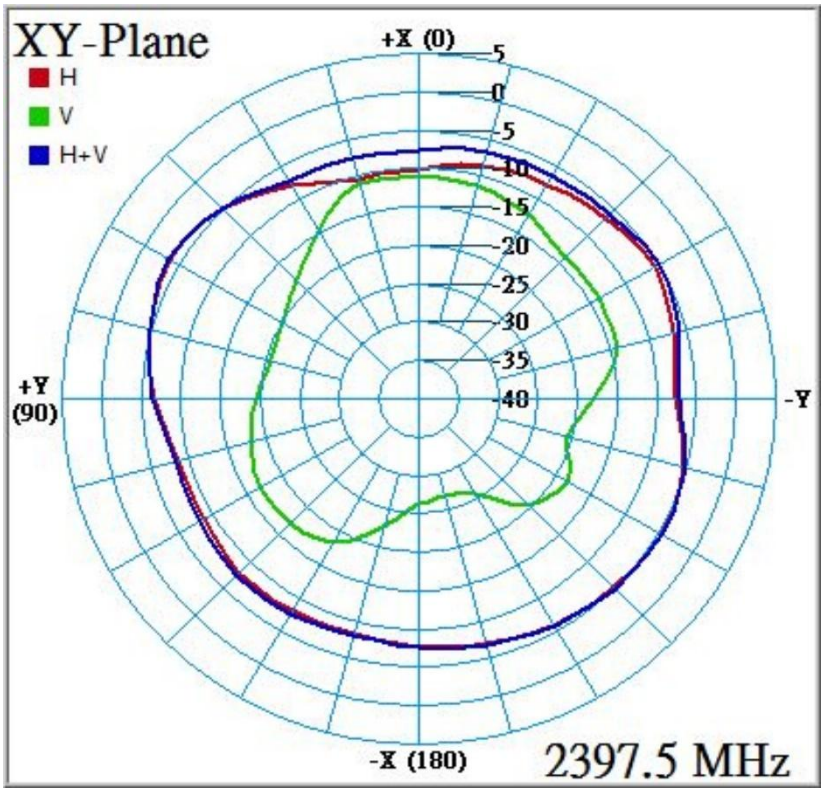
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-7.5	-15.99	-6.93
Peak EIRP (dBi)	-3.03	-10.29	-2.79
Directivity (dBi)	4.47	5.69	4.14
Efficiency (dB)	-7.5	-15.99	-6.93
Efficiency (%)	17.77	2.52	20.28
Gain (dBi)	-3.03	-10.29	-2.79

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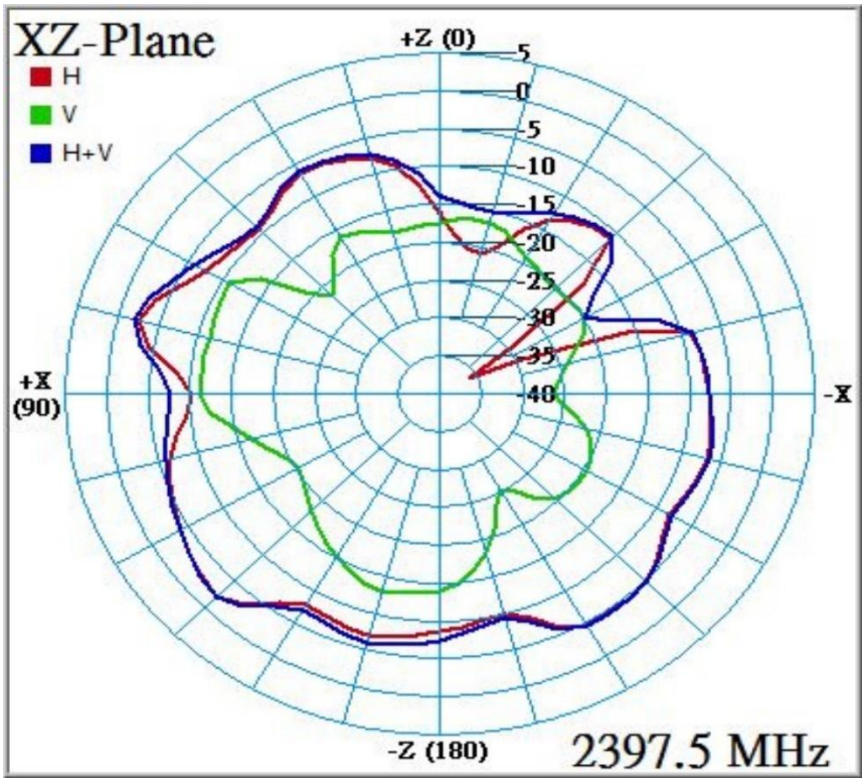
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-8.49	-15.24	-7.66
Peak EIRP (dBi)	-3.89	-8.46	-3.59
Directivity (dBi)	4.6	6.78	4.07
Efficiency (dB)	-8.49	-15.24	-7.66
Efficiency (%)	14.16	2.99	17.16
Gain (dBi)	-3.89	-8.46	-3.59

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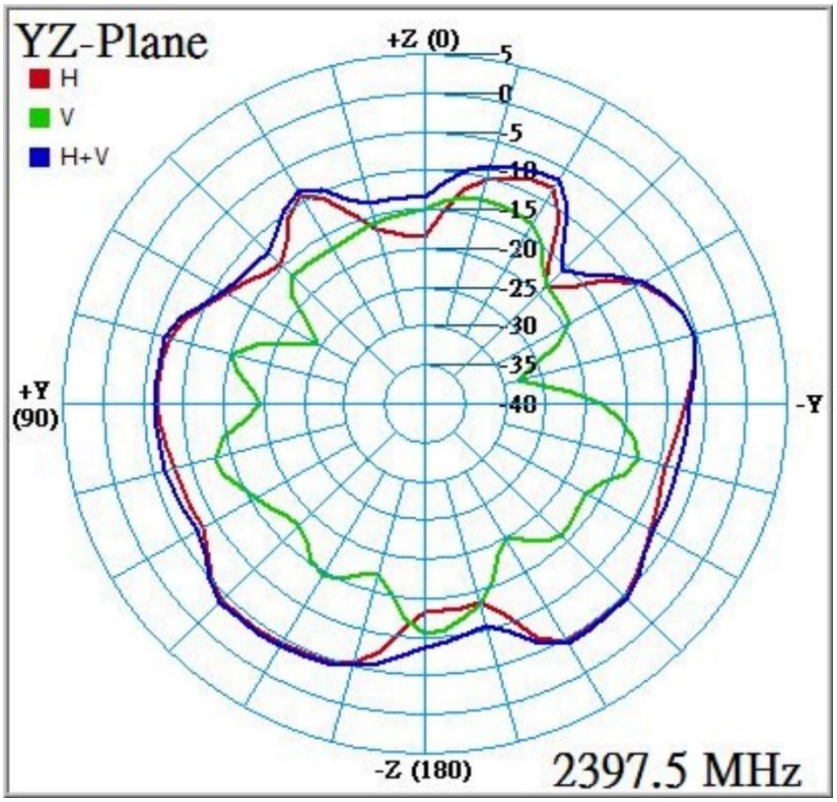
Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-6.74	-15.9	-6.24
Peak EIRP (dBi)	-3.71	-10.89	-3.62
Directivity (dBi)	3.03	5	2.63
Efficiency (dB)	-6.74	-15.9	-6.24
Efficiency (%)	21.18	2.57	23.76
Gain (dBi)	-3.71	-10.89	-3.62

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Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-7.14	-16.27	-6.64
Peak EIRP (dBi)	-2.25	-10.87	-2.12
Directivity (dBi)	4.89	5.41	4.52
Efficiency (dB)	-7.14	-16.27	-6.64
Efficiency (%)	19.3	2.36	21.66
Gain (dBi)	-2.25	-10.87	-2.12

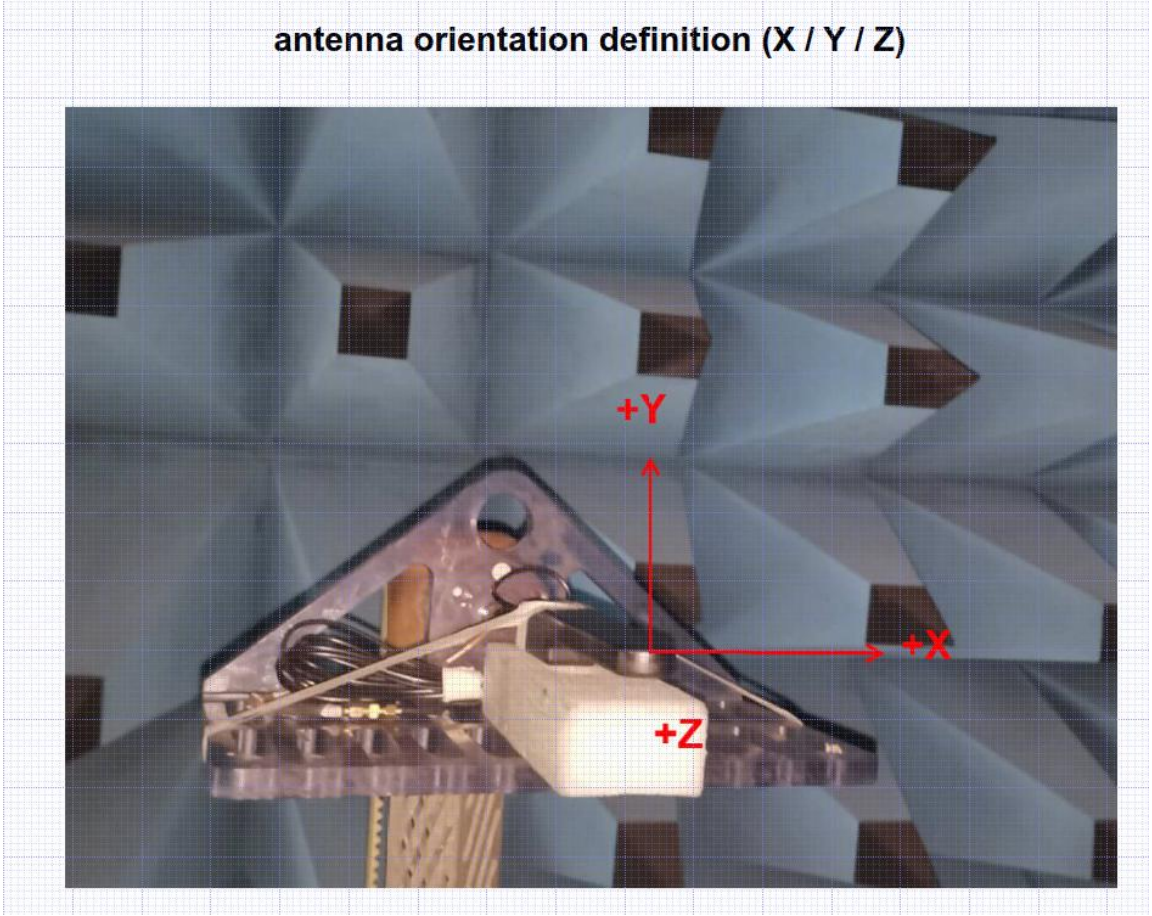
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Frequency (MHz)	Horizontal	Vertical	Total
Tot. Rad. Pwr. (dBi)	-7.86	-15.46	-7.16
Peak EIRP (dBi)	-4.23	-10.51	-4
Directivity (dBi)	3.62	4.95	3.16
Efficiency (dB)	-7.86	-15.46	-7.16
Efficiency (%)	16.38	2.85	19.23
Gain (dBi)	-4.23	-10.51	-4

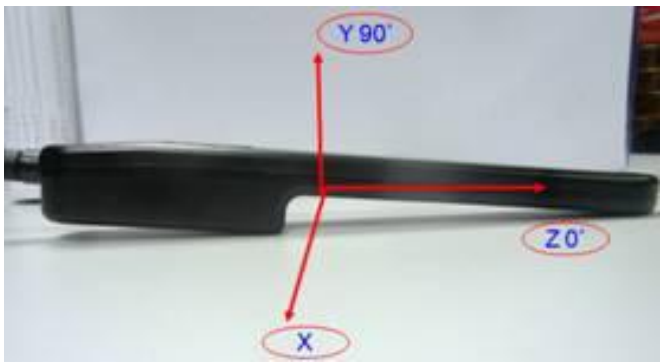
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Antenna Orientation Definition (X/Y/Z)



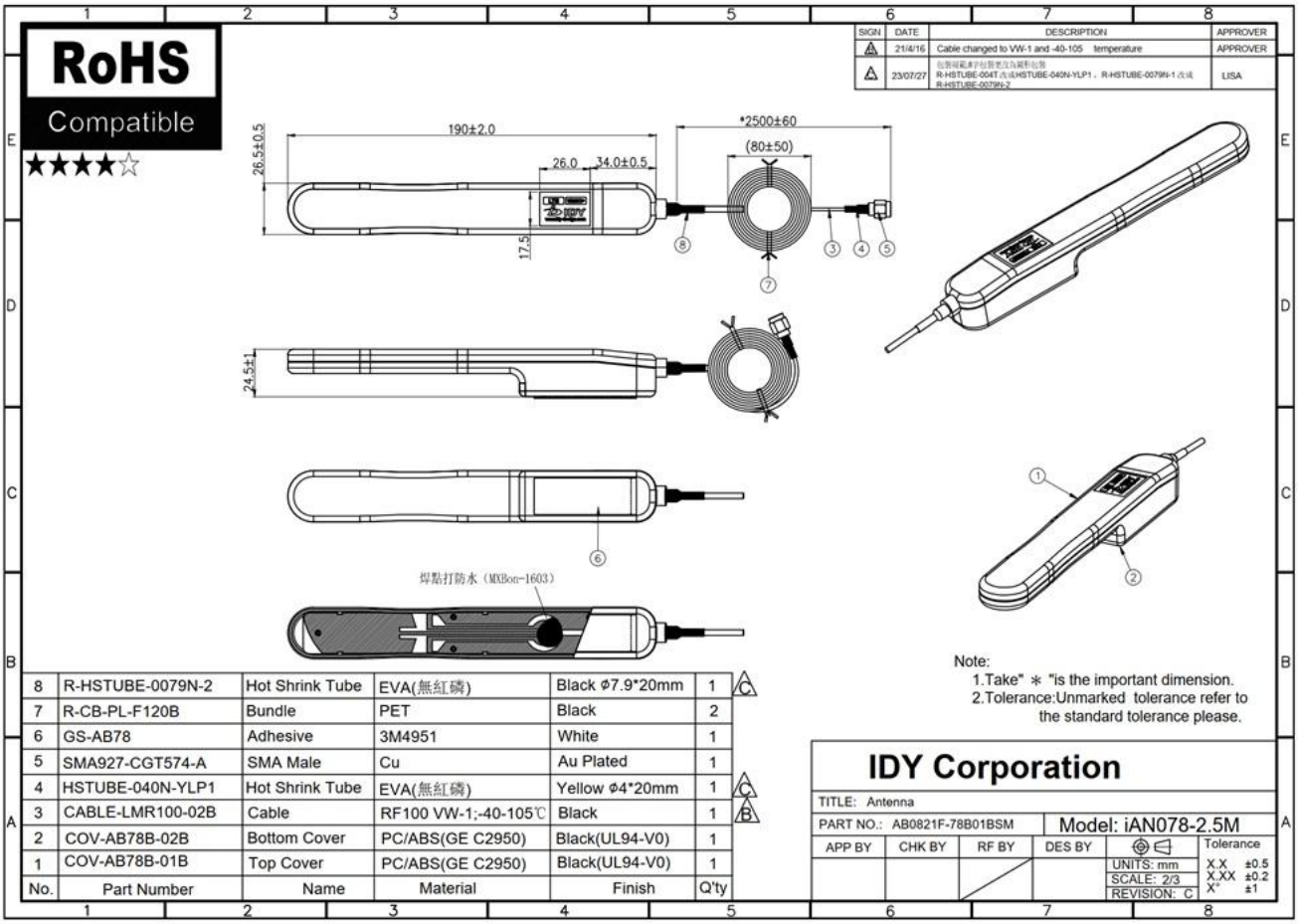
（追加試験：2023 年 2 月　2302.5/2350/2397.5MHz データのみ）

Antenna Orientation Definition（X/Y/Z）



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9. アンテナ外観仕様



No.	Part Number	Name	Material	Finish	Q'ty
8	R-HSTUBE-0079N-2	Hot Shrink Tube	EVA(無紅磷)	Black φ7.9*20mm	1
7	R-CB-PL-F120B	Bundle	PET	Black	2
6	GS-AB78	Adhesive	3M4951	White	1
5	SMA927-CGT574-A	SMA Male	Cu	Au Plated	1
4	HSTUBE-040N-YLP1	Hot Shrink Tube	EVA(無紅磷)	Yellow φ4*20mm	1
3	CABLE-LMR100-02B	Cable	RF100 VW-1;-40-105℃	Black	1
2	COV-AB78B-02B	Bottom Cover	PC/ABS(GE C2950)	Black(UL94-V0)	1
1	COV-AB78B-01B	Top Cover	PC/ABS(GE C2950)	Black(UL94-V0)	1

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10. 梱包仕様

★★★★☆

PACKING CRITERION

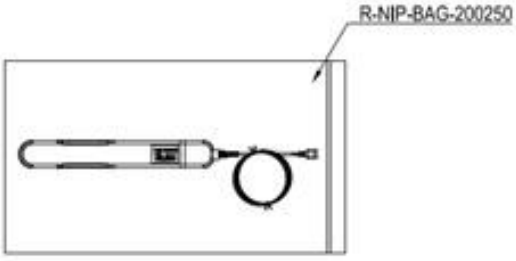
Date: 2023.07.27 Page: 1 of 1

Part Number : AB0821F-78B01BSM Model: iAN078-2.5M	Revision : C
Name: Antenna	Customer :

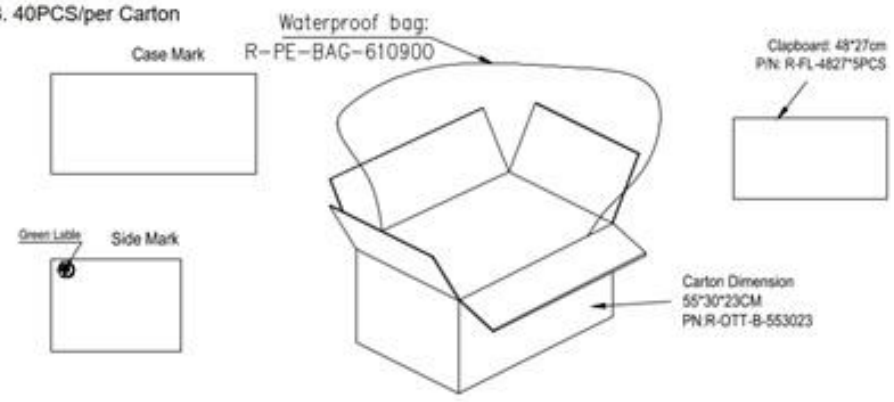
1. 1 PCS/per Product



2. 1 PCS/per Bag



3. 40PCS/per Carton



APPROVED BY : _____ CHECKED BY : _____ DESIGNED BY : _____

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11. RoHS 指令調查結果

SGS 台灣網站 → http://twap.sgs.com/sgsrsts/chn/cheres_tw.asp
SGS 大陸網站 → http://rsts.cn.sgs.com/chn/cheres_cn.asp
SGS 韓國網站 → http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

COR/F-G-47a

請輸入以下 報告正確資料及檢查碼以便查核
1. 報告編號
2. 報告日期 (YYYY/MM/DD)
3. 產品名稱 (輸入前 10 個字不含空白)
4. 圖示檢查碼 (依指示畫面)

物料中**HSF**對象物質含量調查表

物料名稱： AB0821F-78B01BSM　　Model : iAN078-2.5M

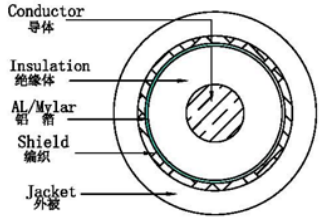
序號	物料型號	物料各構成名稱	各構成物料的材質	測試報告裡RoHS對應物質測試結果										檢測報告編號	測試日期	測試名稱	測試機構名稱
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP				
1	COV-AB78B-01B COV-AB78B-02B	Top Cover Bottom Cover	PC+ABS	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0238100012d 001	2019.01.09	TAIRILOY PC/ABS	SGS
2	PB-AB78B-01FB	PCB	FR4	N.D.	7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SHAEC1828205504	2018.12.26	FR-4.1无卤素环氧玻纤板	SGS
3			PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2180218013101010 1E	2018.11.16	PVC Particles	SGS
4			PE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC1826694405	2018.12.29	HDPE.	SGS
5	R-CB-LMR100B-01	Cable	AL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SHAEC1828881906	2019.01.02	铝箔麦拉带.	SGS
6			裸銅	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SHAEC1822627902	2018.10.15	电工圆铜线.	SGS
7			鍍錫銅	N.D.	3	N.D.	N.D.	N.D.	N.D.					CANEC1725860401	2017.12.27	Tin Plated copper	SGS
8	GS-AB78	Adhesive	3M	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CE201911907	2019.01.15	PC, F9469PC, F9473PC,	SGS
9			銅	35	31411	N.D.	N.D.							CANEC1809381105	2018.05.23	Brass Rod.	SGS
10	SMA927-CGT574-A	SMA Male	鍍金	N.D.	36	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SHAEC1903021903	2019.02.28	Au	SGS
11			PTFE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2180214299101002CR1	2018.11.26	PTFE	CTI
12	R-HSTUBE-004T R-HSTUBE-0079N-1	Shrink Tube	EVA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC1901775804	2019.01.31	Heat shrinkable tube.	SGS
13	R-CB-PL-F100B	Bundle	PET	N.D.	N.D.	N.D.	N.D.							CANEC1812183601	2018.06.30	Cable tie	SGS

根據測試報告如實填寫鉛、鎘、汞、六價鉻、PBBs和PBDEs六項禁用物質的含量
包裝材料中鉛、鎘、汞、六價鉻總含量不超過100ppm，鎘的允許濃度為5ppm
歐盟ROHS指令豁免條款2011/65/EU、鋼中合金元素中的鉛含量达0.35%、铝含量达0.4%、铜合金中的铅含量达4%

12. 同軸ケーブル諸元

CUSTOMER'S NO 客户编号 | CUSTOMER'S PRODUCT NO 客户料号 R-CB-LMR100B-01 | 工 程 规 格 书 ENGINEERING SPECIFICATION | 版次EDITION A0 | 变更记录 MODIFY NOTE | 日 期 DATE

截面图示CONSTRUCTION:



*ALL MATERIAL COMPLIANT ROHS

Rated Voltage: 额定电压	30V
Rating Temperature 额定温度	80℃
Conductor Resistance 导体电阻	AT 20℃ MAX 89.4 Ω/km
Insulation Resistance 绝缘电阻	AT 20℃ MIN 100MΩ/km
Impedance 特性阻抗	100MHZ——50±5 OHM
Capacitance 静电容量	105±3 pF/M
Attenuation 衰减	2000HZ——<130dB/100M
S W R 驻波	300-2500MHZ<1.2
adhesion 附着力	Jacket—shield:2-5KG/30MM Conductor—Insulation:>0.5KG/30MM
Bending 摇摆	DEGREE:500degrees ANGLE:±90° WEIGHT:300G FRE QUENCY:20degrees/min BREAK OFF:NO break Bending Radius: Min six times Diameter

Specification 规格说明

Item		Unit	Dimension
Conductor 导体	SIZE	AWG	24AWG
	Composition 结构	PCS/MM	1/0.46±0.01mm
	density 密度	/	/
	Material 材质	/	裸铜 Copper
Insulation 绝缘体	Material 材质	/	交联PE XLPEE(270℃-300℃)
	Diameter 线径	mm	1.5±0.05mm
	Color 颜色	/	本色Nature
	Average Thick 平均厚度	mm/mils	0.5mm/19.6mils
Shield 编织	Construction 结构	No./carr	0.10±0.008MM/5*16=80#+AF
	Material 材质	/	镀锡铜 Tinned Copper
	density 密度	/	遮蔽率 12Picks/inch (Cobertura 95%)
	AL/Mylar 铝 箔	mm	单面铝箔 AF 6MM 38U
Jacket 外被	Material 材质	/	60P 低毒 NC-PVC
	Pvc Colour 颜色	/	黑色BLACK NF-B22025-BK
	Diameter 线径	mm	ø2.8±0.1MM
	Average Thick 平均厚度	mm/mils	0.40mm/15.7mils
Marking 印字内容	LOW LOSS 100 PVC COAXIAL CABLE HYT MICROWAVE SYSTEM/NFC		

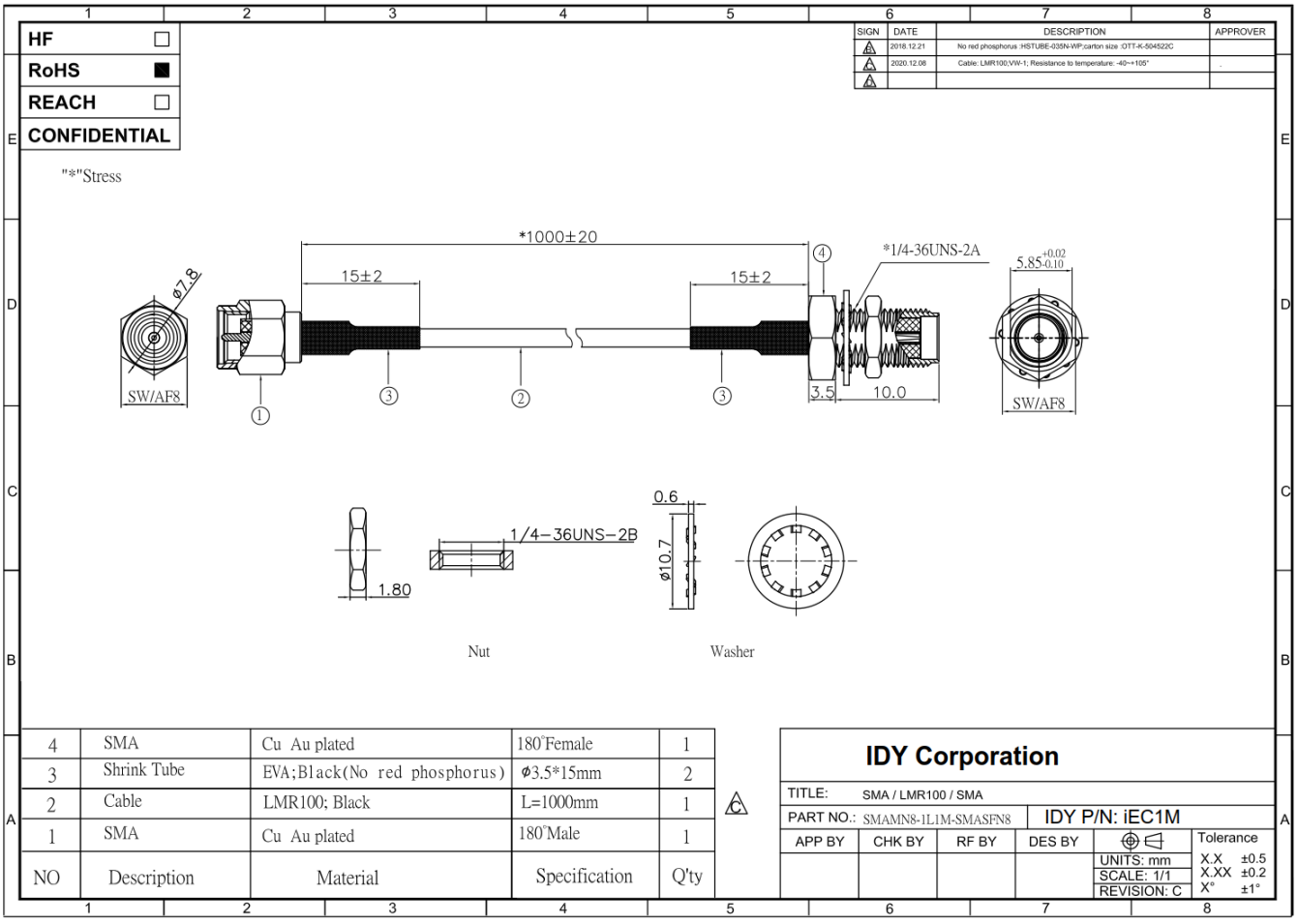
APPROVED RESULT 客户确认结果 | APPROVED 客户确认者

FILE NO 文件编码	NF-C116-W022-4		PRODUCT NO 业务号		CUSTOMER'S PRODUCT NO. 品名规格	RF-100		NICE FOUNTAIN WIRE ELECTRONIC LTD 东莞宝信电线有限公司
Issue Date 制定日期	2014.12.24	Unit 单 位 mm	核 准 APPROVAL	业 务 SALE	审 核 REVIEW	工 程 ENGINEERING	制 作 DRAWING	广东省东莞市石碣管理区四村第二工业区
Page 页 码	1/1	View 视 图						TEL:0769-86638517 FAX:0769-86638507

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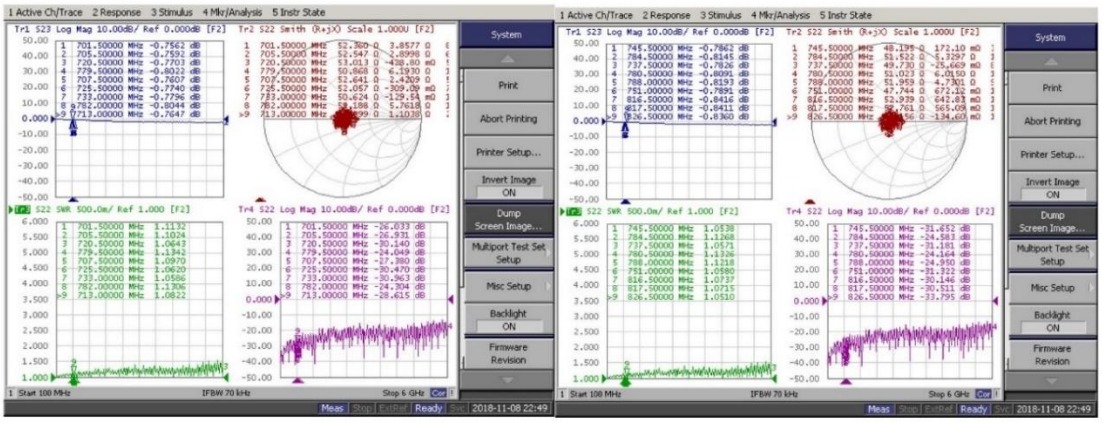
■ 1m 延長ケーブル iEC1M 仕様

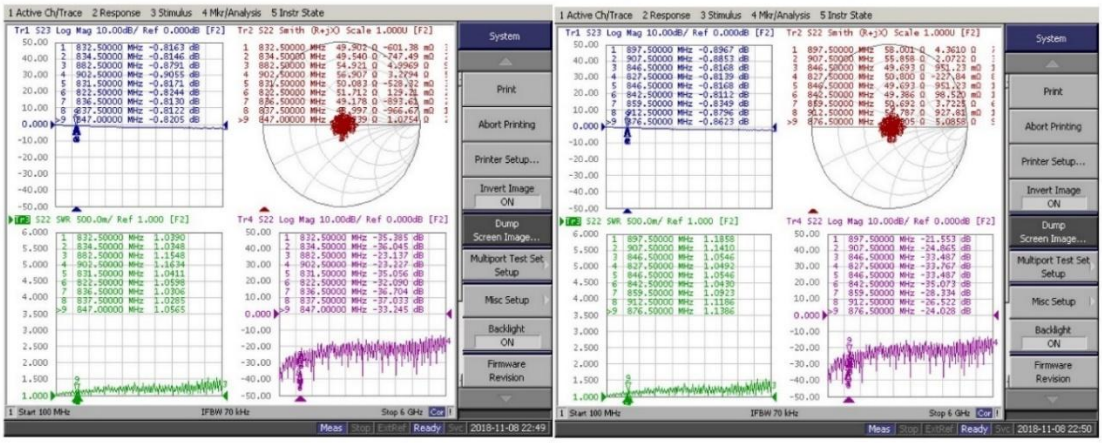
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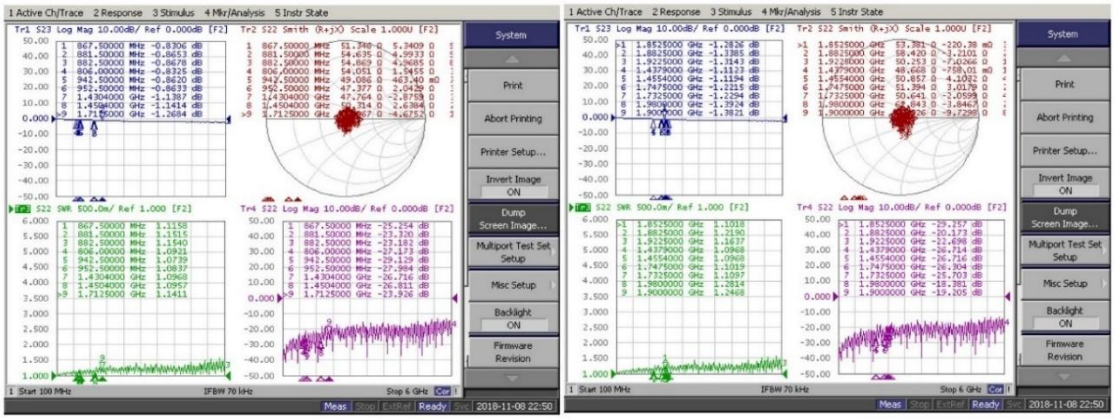


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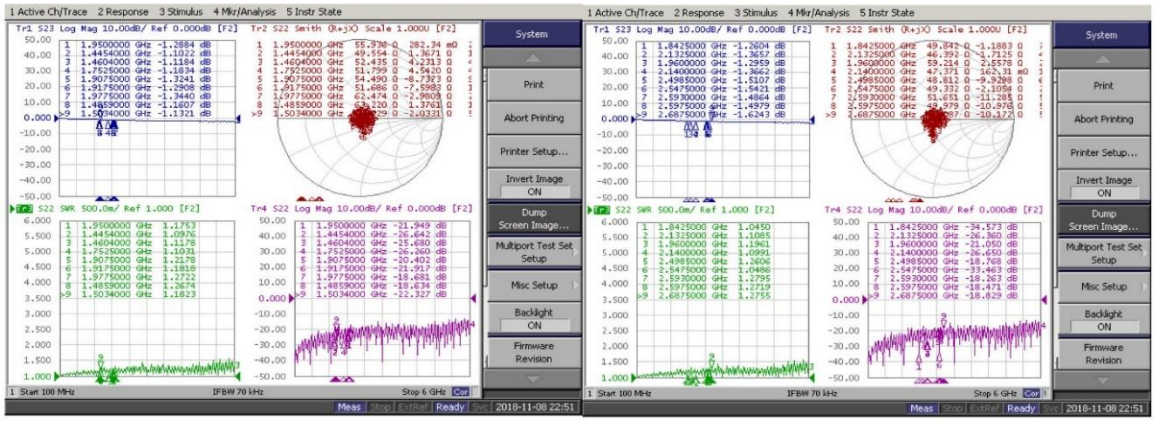
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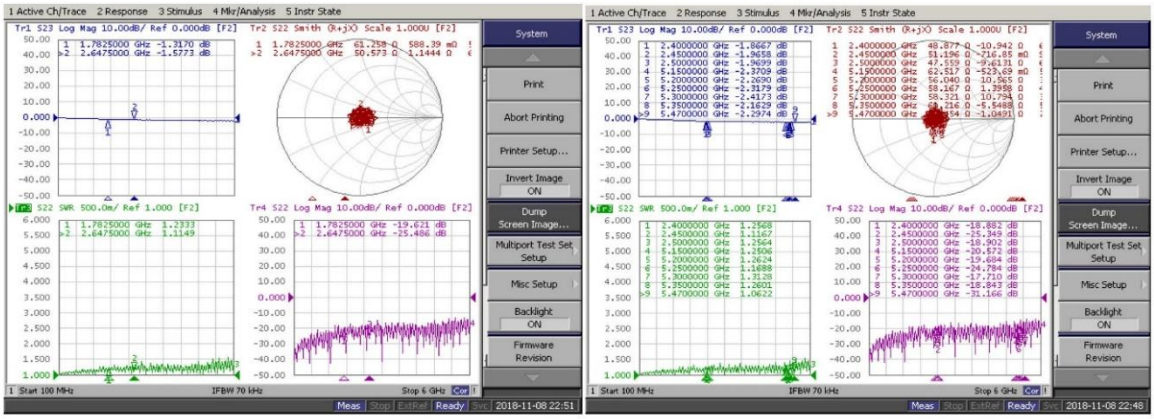


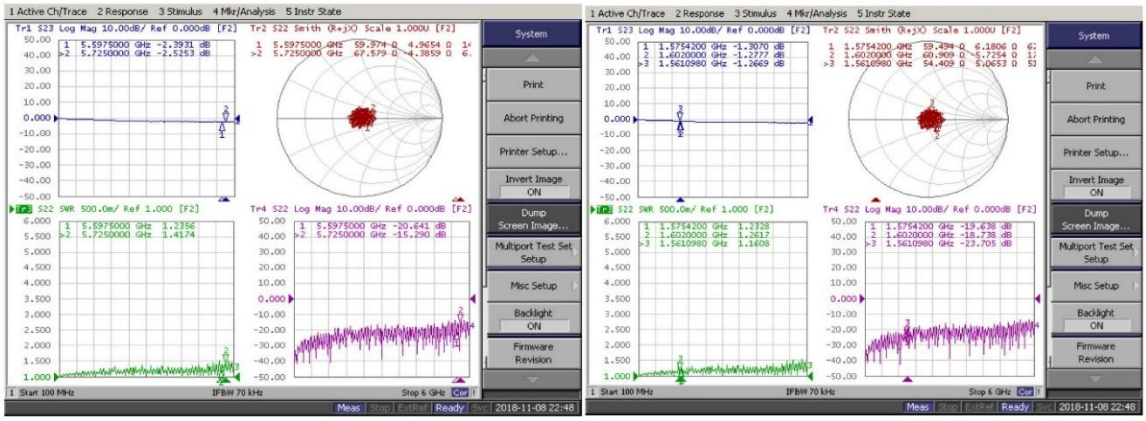




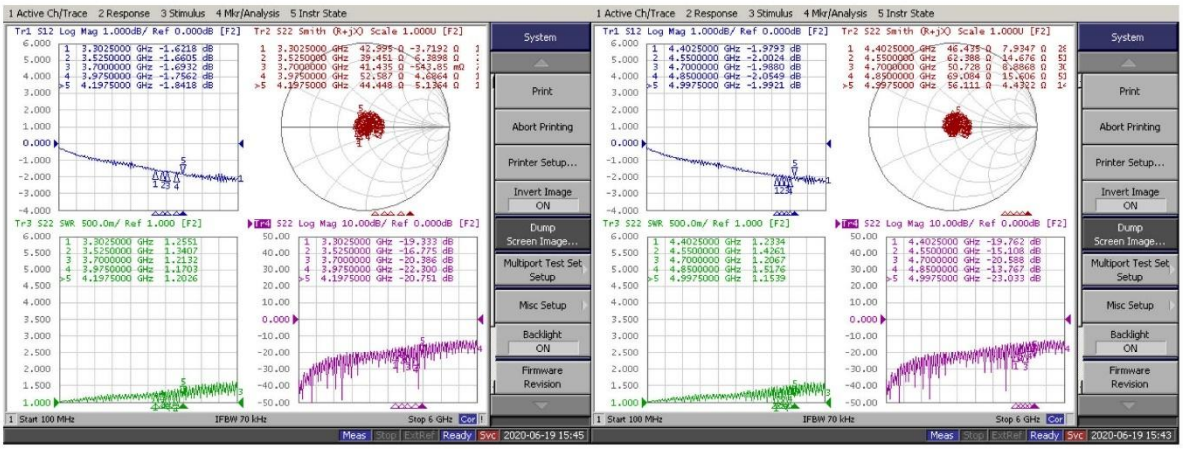
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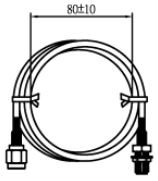
＜iEC1M Packaging Specification＞

Product packaging specification

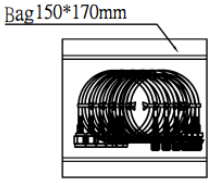
Date：2023.07.07 page: 1 of 1

P/N : SMAMN8-1L1M-SMASFN8 Model : iEC1M	Edition ：D
Product Name :Coaxial Cable	Customer : ALL

一



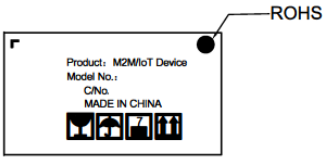
二



5PCS / BAG

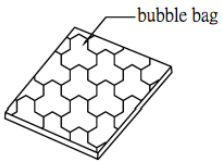
三

SIDE



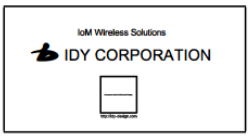
Put a ROHS label on the side of master carton,
fill in the product part number, quantity, net weight and gross weight.

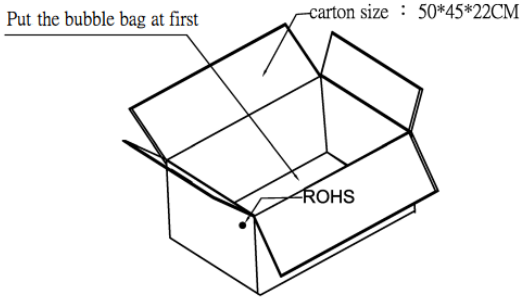
四



五

FRONT





500PCS / CARTON

APPROVED BY : _____ CHECKED BY : _____ DESIDNED BY ： _____

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＜iEC1M Cable Specification＞

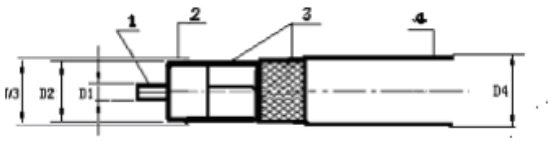
穗格 WWW. SUI RONGCABLE. COM 深圳市穗榕同轴电缆科技有限公司

S.R Code:SR18070201

LMR-100 Coaxial Cable Specification

（**LMR-100** 同轴电缆规格书）

Reference standard:MIL-C-17G Black

Type of coaxial cable: LMR-100, RoHS compliance					
Legend:					
LMR-100 1.Inner conductor 内导体 2. Dielectric: 绝 缘 3.Outer conductor 外导体 4. Jacket White 护套					
Main Electrical properties:					
Characteristic impedance	阻抗	50±2Ohm			
Rated capacitance	电容	100±2 pf/m			
Velocity	速比	66%			
Delay	延时	4.90ns/m			
Operating frequency	工作频率	1~6000MHz			
Attenuation at typical frequencies:（dB/ m）					
100MHz	400MHz	900MHz	1800MHz	2400MHz	3000MHz
0.19	0.48	0.74	1.08	1.25	1.48
VSWR 1~3000MHz	电压驻波比	1.30 Max.			
Mechanical Construction:					
Inner conductor: BC	裸铜线	0.46±0. 01mm			
Dielectric:PE	绝缘 PE	1.52±0. 03mm			
Outer conductor: AP+TC（※）	铝箔+镀锡铜线	2.04±0. 05mm （16*5/0.10mm）			
Jacket :PVC	护套阻燃黑色 PVC （防火等级：VW-1）	2.80±0.10mm			
※ TC-- tinned copper					
Engineering data:					
Maximum Pull Tension Minimum bending radius Operating temperature Reel Length jacket-Marking	最大拉拔力 最小弯曲半径 工作温度 装盘长度 产品标识	38 lbs 27mm -40~+105°C LOW LOSS 100 VW-1 PVC COAXIAL CABLE HYT MICROWAVE SYSTEM/NFC			

SuiRong COAXIAL CABLE Co.,Ltd

制造商:深圳市穗榕同轴电缆科技有限公司
生产地:深圳市龙岗区务地铺清水路清水巷

WWW.SUIRONGCABLE.COM
Tel：+86-755-28217358 Fax+86-755-28217359
2018-07-02

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＜iEC1M RoHS Test＞

SGS TaiBei Network---http://twap.sgs.com/sgsrsts/chn/cheres_tw.asp

SGS Mainland Network---http://rsts.cn.sgs.com/zh-cn/cheres_cn.asp

SGS Korea S. Network---http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

PLS fill out the correct data for search

1.Report Number

2.Report Date(YYYY/MM/DD)
3.Product Name(Input the first 10 figures. Do not include the blank
4.The graphic presentation checking yard

HSF Datasheet

Part Number：SMAMN8-1L1M-SMASFN8 IDY P/N: iEC1M

Number	Detali Part Number	Detail Name	Material	RoHS Test Results										Report Number	Test Date	Test Name	Test Locale
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP				
1	SMA	180°Male 180°Female	CU	N.D.	29790	N.D.	Negative	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	AZT032106150008C-011	2021.07.05	C3604	AZT
			Au Plated	N.D.	31	N.D.	N.D.							SZXEC2101871802	2021.06.28	銅車件電鍍金.	SGS
			PTFE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	A2200357261101001	2020.10.17	PTFE plastics	CTI
2	LMR100	Cable	PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2020811102	2020.11.27	PVC Black	SGS
			PE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2022021108	2020.12.18	HDPE	SGS
			AL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	YCCT332020060601RZ2	2020.06.06	铝箔聚酯膜麦拉带	YCCT
			BCU	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	TSNEC2002256101	2020.11.30	ELECTRICIAN	SGS
			TCU	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	C210301069002-0	2021.03.05	镀锡线0.15	CPST
3	HSTUBE-035N-WP	Shrink Tub	EVA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2022443601	2020.12.22	HEAT SHRINKABLE TUBING	SGS

PLS refer the SGS report, fill out the content of Pb, Cd, Hg, Cr6+, PBBs, PBDEs
The content of Pb, Cd, Hg, Cr6+, PBBs, PBDEs is less than 100 ppm in the package. The content of Cd is less than 5 ppm.
According to the EU ROHS directive exemption clause 2015/863/EU Lead as an alloying element in steel containing up to 0,35 % aluminium containing up to 0,4% copper alloy containing up to 4%

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■ 3.5m 延長ケーブル iEC3.5M 仕様

納入仕様書

Model：iEC3.5M

3.5m Extension Cable

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2. Specification / Page 4

3. Characteristics and Reliability Test / Page 5

4. S Parameter Test Data / Page 6

5. Mechanical and Packing Drawing / Page 7 ~ 8

6. Material Description and RoHS Test Report / Page 9 ~ end

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1. Revision History

Revision	Date	Change Notification	Description
1.0	2025.09.29	First Edition	

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2. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	DC~ 6 GHz
Impedance	50 Ohm
V.S.W.R.	<= 1.8
Insertion Loss	4.5 dB
Voltage (breakdown)	> 500V
Insulation Resistance	>= 500 M ohm
B. Mechanical Characteristics	
Pull Test of Connector	>= 3 Kg
Mating Cycles	> 500
C. Environmental	
Operation Temperature	- 40 ˚C ~ + 75 ˚C
Storage Temperature	- 40 ˚C ~ + 80 ˚C

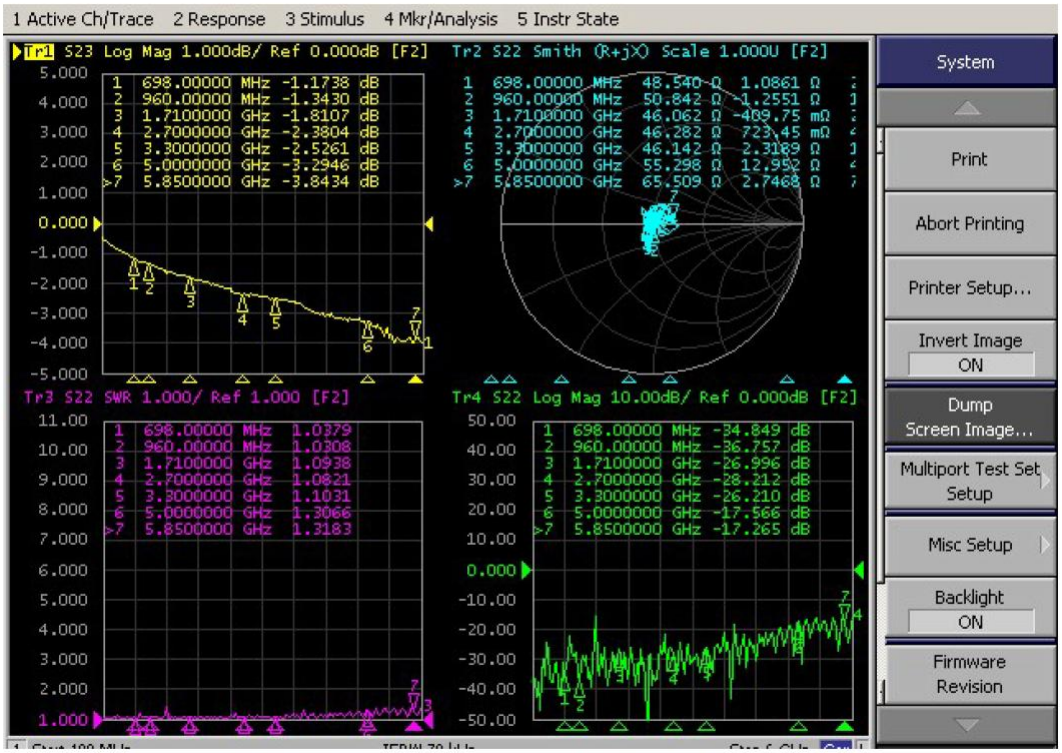
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3. Characteristics and Reliability Test

Test Items 測試項目		Test Condition and Procedure 測試方法	Requirements 要求	Result 結果
C1	V.S.W.R. 電壓駐波比	Set DUT on Network Analyzer; make individual calibration to test 設置網路分析儀參數進行測試	Directive DUT specification 符合待測物規範	PASS
C2	Insertion Loss 插入損失	Set DUT on Network Analyzer; make individual calibration to test 設置網路分析儀參數進行測試	Directive DUT specification 符合待測物規範	PASS
M4	Pull Test 拉力	Holding with individual specification; force applied to axis of terminal .單獨定義產品端子拉力	1. Directive DUT specification 2. Frequency Tol.≤5% 符合待測物規範;頻率偏移≤5%	PASS
M6	Dimension 尺寸	Inspection of dimension, color, material, package, surface process.檢查尺寸,顏色,材料,包裝,表面處理	Directive DUT specification 符合待測物規範	PASS
E2	Salt Spray 鹽霧	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H 溫度 35°C;濕度≥95%;鹽水濃度≥5%;測試 24H	1. No Visual Damage 2. Frequency Tol.≤5% 無明顯外觀不良;頻率偏移≤5%	PASS
E3	Temperature and Humidity Chamber 恒溫恒濕	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H 溫度 80°C 測試 12H 轉-40°C 測試 12H;濕度≥ 90%;時間 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 恢復 2H 後, 無明顯外觀不良;頻率偏移≤5%	PASS
E5	Aging test 老化	GB /T 2423.2 - 2008 Temp: 80°C; Time: 24 hours 溫度 80° C, 測試 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5% 無明顯外觀不良;頻率偏移≤5%	PASS
R1	RoHS	With Reference to IEC 62321:2008 with flow chart 參考 IEC 62321 測試流程	Directive RoHS 2011/65/EU 符合 RoHS 2011/65/EU 標準	PASS
R2	PFOS	With Reference to USA EPA 3550C:1996 by LC/MS 參考 USA EPA 3550C 測試流程	Directive RoHS 2006/122/EC 符合 RoHS 2011/65/EU 標準	PASS

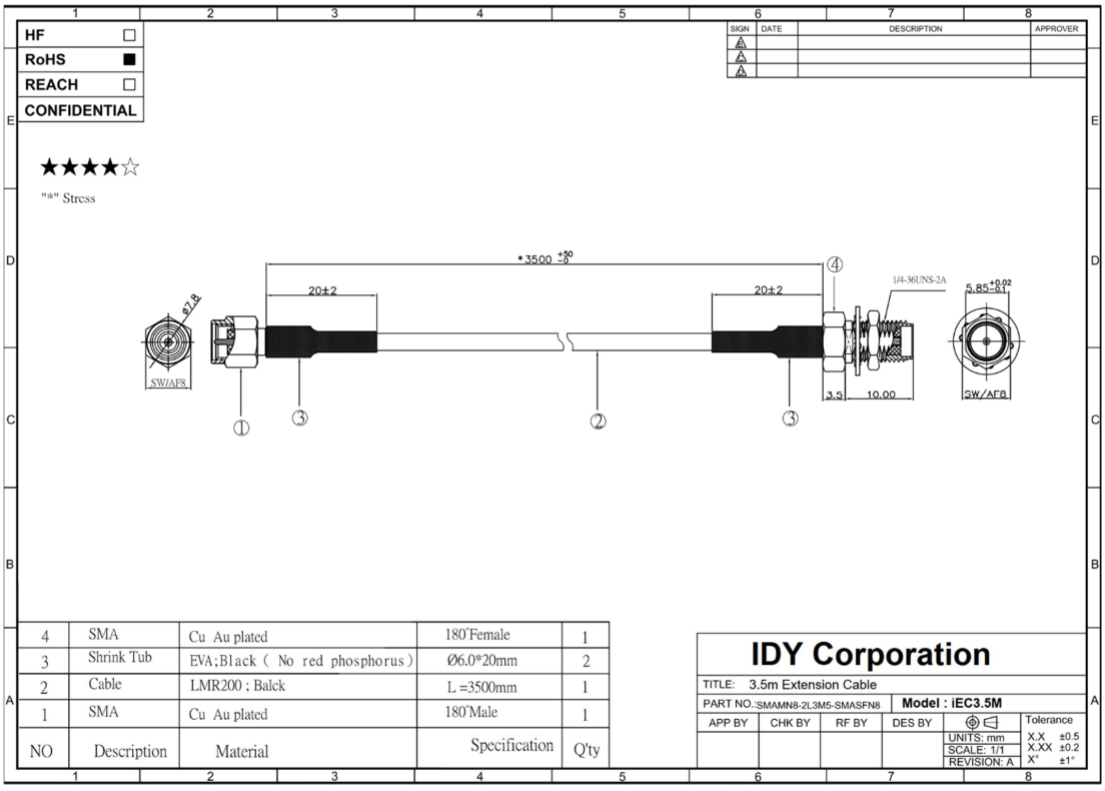
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4. S Parameter Test Data



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5. Mechanical and Packing Drawing



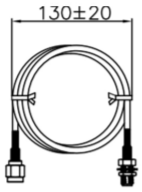
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PACKING CRITERION

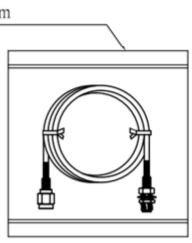
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Part Number : iEC3.5M	Revision :A
Name: Cable	

一

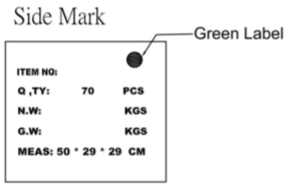


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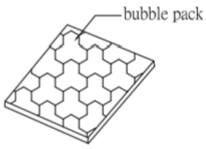


1PCS/per Bag

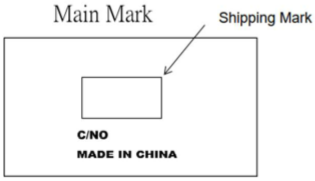
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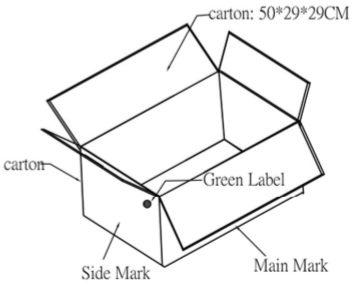


四



五





70pcs per Carton

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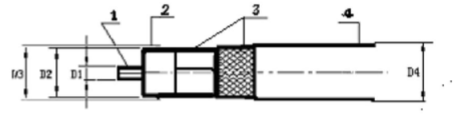
6. Material Description and RoHS Test Report

穗格 WWW.SUIRONGCABLE.COM 深圳市穗榕同轴电缆科技有限公司

S.R Code: 19082702

LMR-200 Coaxial Cable Specification

（ LMR-200 同轴电缆规格书）

Type of coaxial cable: LMR-200					
Legend:					
LMR-200: 1.Inner conductor 内导体 2. Insulation 电缆芯线 3.Outer conductor 外导体 4. Jacket 护套					
Main Electrical properties:					
Characteristic impedance	阻抗	50±2Ohm			
Rated capacitance	电容	78±2 pf/m			
Velocity	速比	81%			
Operating frequency	工作频率	10~3000MHz			
Attenuation at typical frequencies:（dB/m）					
400MHz	900 MHz	1500 MHz	2100MHz	3000MHz	6000MHz
0.220	0.341	0.450	0.551	0.639	1.32
VSWR 10~3000MHz	电压驻波比	1.30Max.			
Mechanical Construction:					
Inner conductor: BC	裸铜线	1.12±0.005mm			
Dielectric:foam PE	绝缘 LLDPE	2.95±0.10mm			
Outer conductor: APA+TC	铝塑覆合箔＋镀锡铜线	3.70±0.12mm（16*6/0.12mm）			
Jacket : PVC Black	护套黑色 PVC	5.0±0.10mm			
Engineering data:					
Maximum Pull Tension	最大拉拔力	42 Ibs			
Minimum bending radius	最小弯曲半径	50mm			
Operating temperature	工作温度	-25~+80°C			
Reel Length	装盘长度	/			
jacket-Marking	产品标识	LOW LOSS 200 PVC COAXIAL CABLE HYT MICROWAVE SYSTEM/NFC			

SuiRong COAXIAL CABLE Co.,Ltd

制造商:深圳市穗榕同轴电缆科技有限公司
生产地:深圳市龙岗区龙西务地铺清水路清水巷 40 号

WWW.SUIRONGCABLE.COM
Tel：+86-755-28217358 Fax+86-755-28217359

2019-08-27

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SGS 台灣網站 → http://twap.sgs.com/sgsrsts/chn/cheres_tw.asp
SGS 大陸網站 → http://rsts.cn.sgs.com/chn/cheres_cn.asp
SGS 韓國網站 → http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

請輸入以下報告正確資料及檢查碼以便查核
1. 報告編號
2. 報告日期 (YYYY/MM/DD)
3. 產品名稱 (輸入前 10 個字不含空白)
4. 圖示檢查碼 (依指示畫面)

物料中HSF對象物質含量調查表

物料名稱：SMAMN8-2L3M5-SMASFN8 (iEC3.5M)

序號	物料型號	物料各構成名稱	各構成物料的材質	測試報告裡RoHS對應物質測試結果										檢測報告編號	測試日期	測試名稱	測試機構名稱
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP				
1	SMA	SMA Male SMA Female	銅	43	28146	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANPC25009215005	2025.04.30	Brass rod (C3604)	SGS
2			鍍金	N.D.	87	N.D.	N.D.							SZXEC25002063401	2025.06.16	Gold plating	SGS
3		Insulator	PTFE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	TAOPC24009783803	2024.12.13	TFE MOLDING POWDEF	SGS
4	HSTUBE	HSTUBE	EVA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC25012572003	2025.06.05	HEAT SHRINKABLE TUBING	SGS
5	LMR200	Cable	PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZXEC25001785002	2025.05.28	PVC 胶粒 红色 白色 黑色	SGS
6			PE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC24022240617	2024.10.22	PE	SGS
7			裸铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZXEC25000424913	2025.02.27	Copper wire	SGS
8			镀锡铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	SZXEC25000424905	2025.02.27	Tinned copper wire	SGS
9			AL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	NGBEC25000789619	2025.02.21	aluminium polyester foil	SGS

根據測試報告如實填寫鉛、鎘、汞、六價鉻、PBBs和PBDEs六項禁用物質的含量
包裝材料中鉛、鎘、汞、六價鉻總含量不超過100ppm，鎘的允許濃度為5ppm
歐盟ROHS指令豁免條款2015/863/EU，鋼中合金元素中的鉛含量達0.35%、鋁含量達0.4%、銅合金中的鉛含量達4%

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■ 12m 延長ケーブル iEC12M 仕様

Product Number: iEC12M
Product Name: Coaxial Cable

Specification For Approval

Date: 2021 / 09 / 13

File No.: 210802001

Version: 1.2

IDY P/N : iEC12M

R/N : SMAMN8-2L12M-SMASFN8

Description : Coaxial Cable

Checked By:
Approved By:

Page 1

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Product Number: iEC12M
Product Name: Coaxial Cable

Index:

1. **Revision History / Page 3**
2. **Specification / Page 4**
3. **Characteristics and Reliability Test / Page 5**
4. **S Parameter Test Data / Page 6 ~ 13**
5. **Mechanical and Packing Drawing / Page 14 ~ 15**
6. **Material Description and RoHS Test Report / Page 16 ~ end**

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Product Number: iEC12M
Product Name: Coaxial Cable

1. Revision History

Revision	Date	Change Notification	Description
1.0	2020.09.25	Issued	
1.1	2021.08.02	Added Data	Increased the measurement frequency.
1.2	2021.09.13	Changed Packaging Specifications	The packaging specifications have been changed to the English version.

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Product Number: iEC12M
Product Name: Coaxial Cable

2. Specification

Sample Photo	
	
A. Electrical Characteristics	
Frequency	701~713MHz / 745~826 MHz 832~847MHz / 876~897MHz 867~1712MHz / 1852~1900MHz 1445~1977MHz / 1842~2687MHz 1782~2647MHz / 2400~5470MHz 3302~4197 MHz / 4402~4997 MHz 5597~5725 MHz / 1575~1561MHz
Impedance	50 Ohm
Insertion Loss	>= -4.0 dB @ 701~713MHz >= -4.0 dB @745~826 MHz >= -4.2 dB @832~847MHz >= -4.2 dB @876~897MHz >= -4.2 dB @867~952 MHz >= -5.6 dB @1430~1712MHz >= -5.5 dB @1575~1561MHz >= -6.3 dB @1852~1900MHz >= -6.3 dB @1445~1977MHz >= -8.0 dB @1842~2687MHz >= -7.0 dB @1782~2647MHz >= -12 dB @2400~5470MHz >= -10 dB @3302~4197 MHz >= -12 dB @4402~4997 MHz >= -12 dB @5597~5725 MHz
Voltage (breakdown)	> 500V
Insulation Resistance	>= 500 M ohm
B. Mechanical Characteristics	
Pull Test of Connector	>= 5Kg
Mating Cycles	> 500

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Product Number: iEC12M
Product Name: Coaxial Cable

C. Environmental	
Operation Temperature	- 25 ˚C ~ + 70 ˚C
Storage Temperature	- 30 ˚C ~ + 80 ˚C

3. Characteristics and Reliability Test

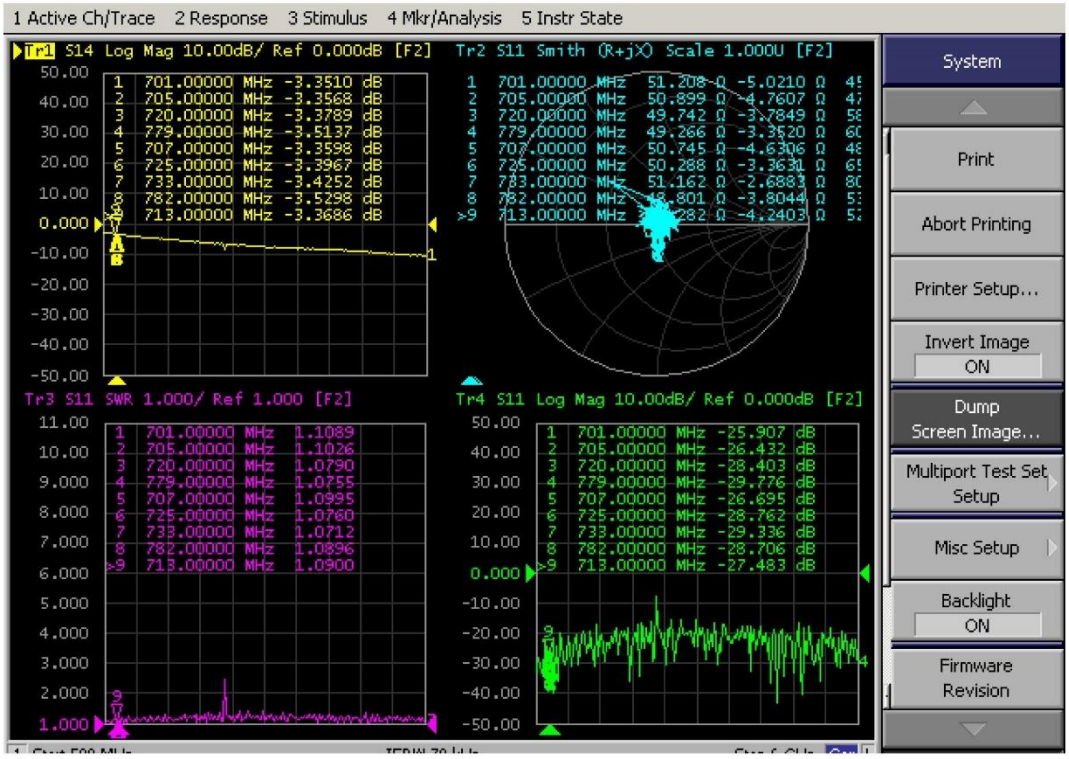
Test Items		Test Condition and Procedure	Requirements	Result
C1	V.S.W.R.	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification	PASS
C2	Insertion Loss	Set DUT on Network Analyzer; make individual calibration to test	Directive DUT specification	PASS
M4	Pull Test	Holding with individual specification; force applied to axis of terminal.	1. Directive DUT specification 2. Frequency Tol.≤5%	PASS
M6	Dimension	Inspection of dimension, color, material, package, surface process.	Directive DUT specification	PASS
E2	Salt Spray	GB / T 2423.17-2008 Temp: 35°C; RH: ≥ 95%; NaCl solution: ≥ 5%;Time: 24H	1. No Visual Damage 2. Frequency Tol.≤5%	PASS
E3	Temperature and Humidity Chamber	GB / T 2423.3-2006 Temp: 80°C / 12 H; -40°C / 12H RH: ≥ 90%; Time: 24H	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5%	PASS
E5	Aging test	GB /T 2423.2 - 2008 Temp: 80°C; Time: 24 hours	After 2 Hours Recovery 1. No Visual Damage 2. Frequency Tol.≤5%	PASS
R1	RoHS	With Reference to IEC 62321:2008 with flow chart	Directive RoHS 2015/863/EU	PASS

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Product Number: iEC12M
Product Name: Coaxial Cable

4. S Parameter Test Data

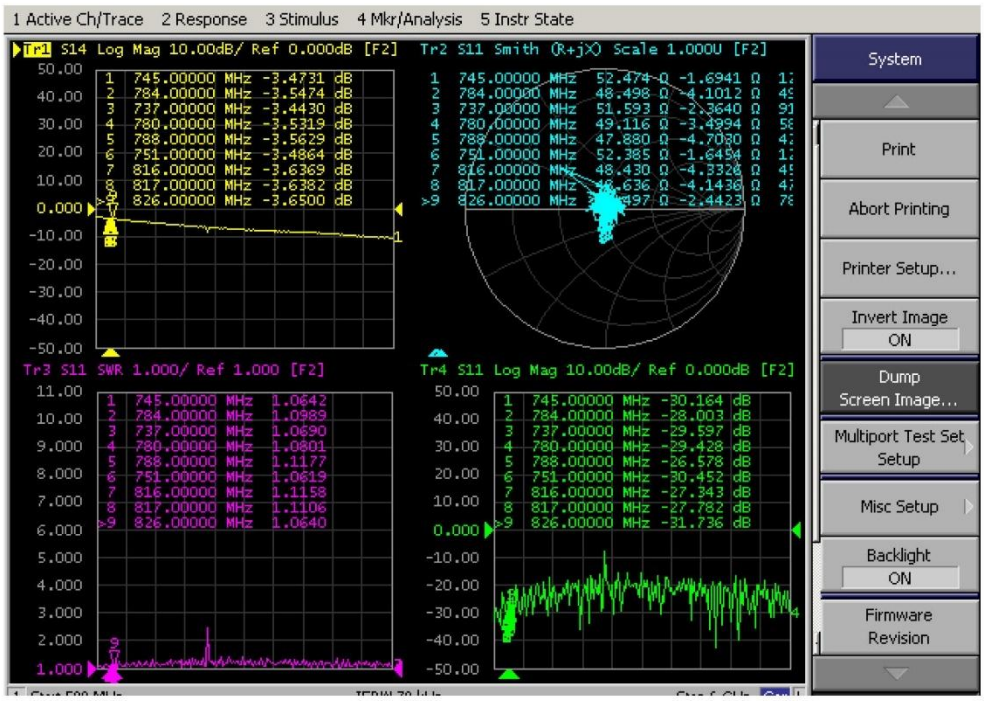
701~713MHz



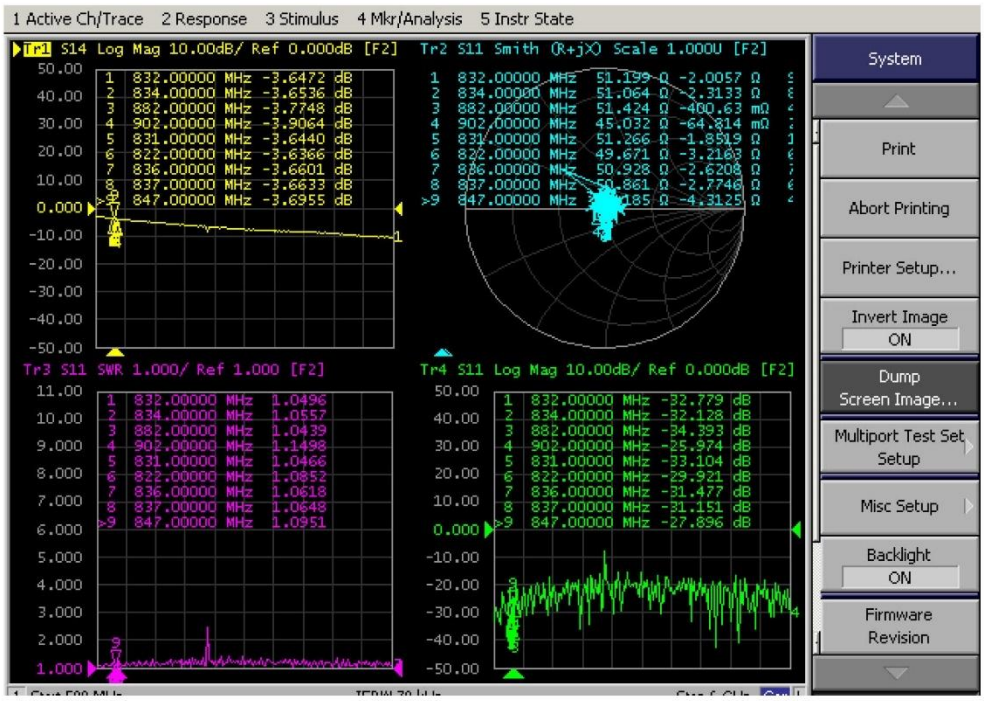
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Product Number: iEC12M
Product Name: Coaxial Cable

745~826MHz



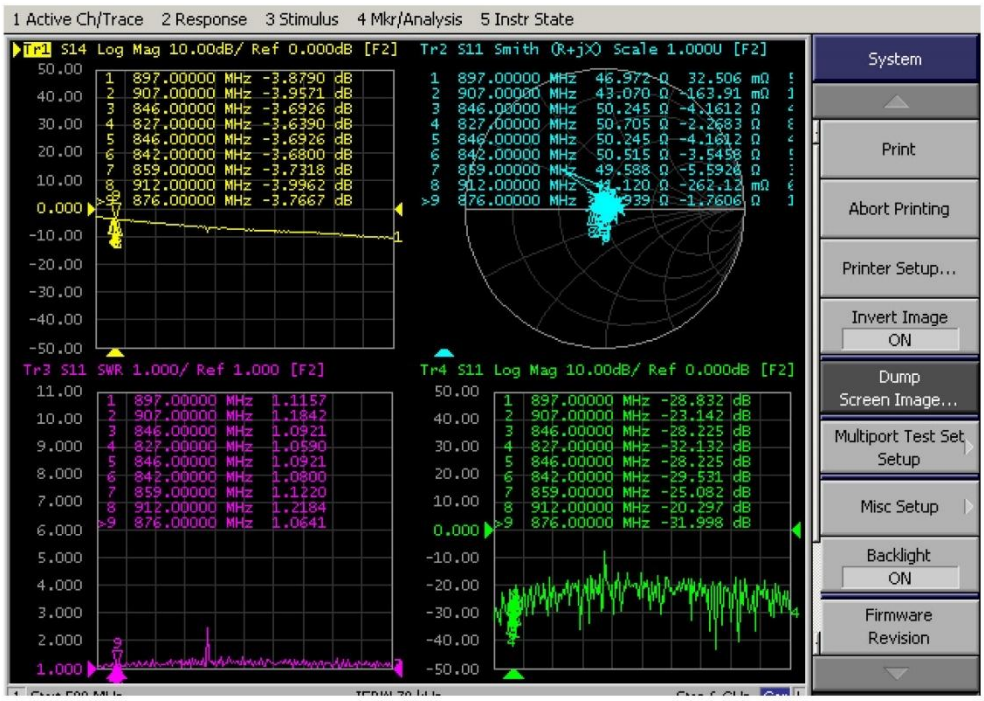
832~847MHz



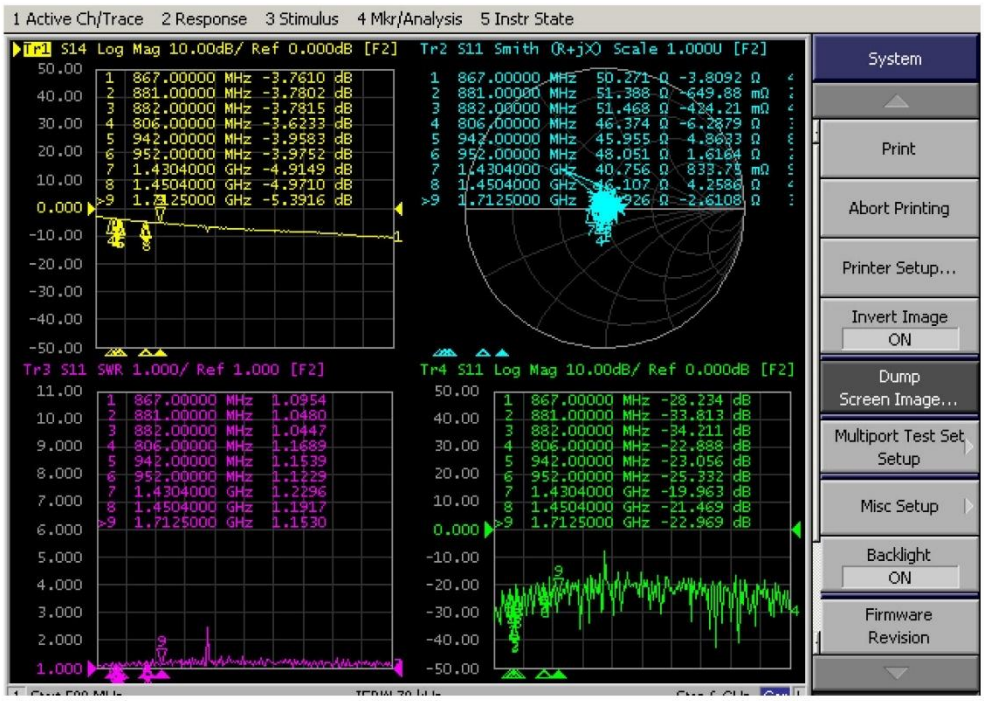
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Product Number: iEC12M
Product Name: Coaxial Cable

876~897MHz



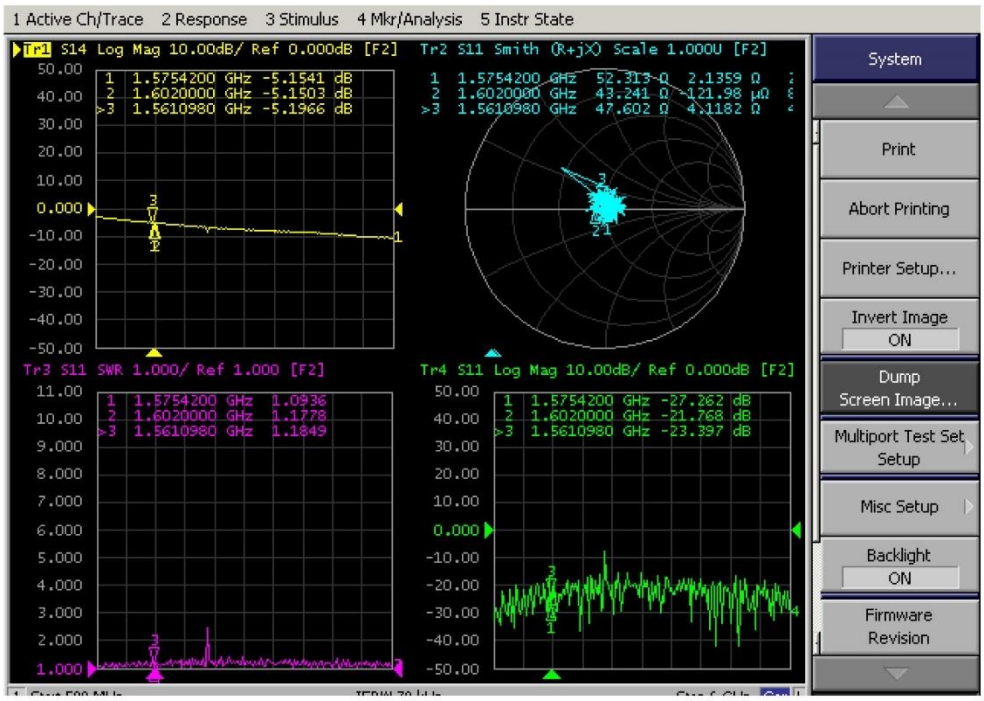
867~1712MHz



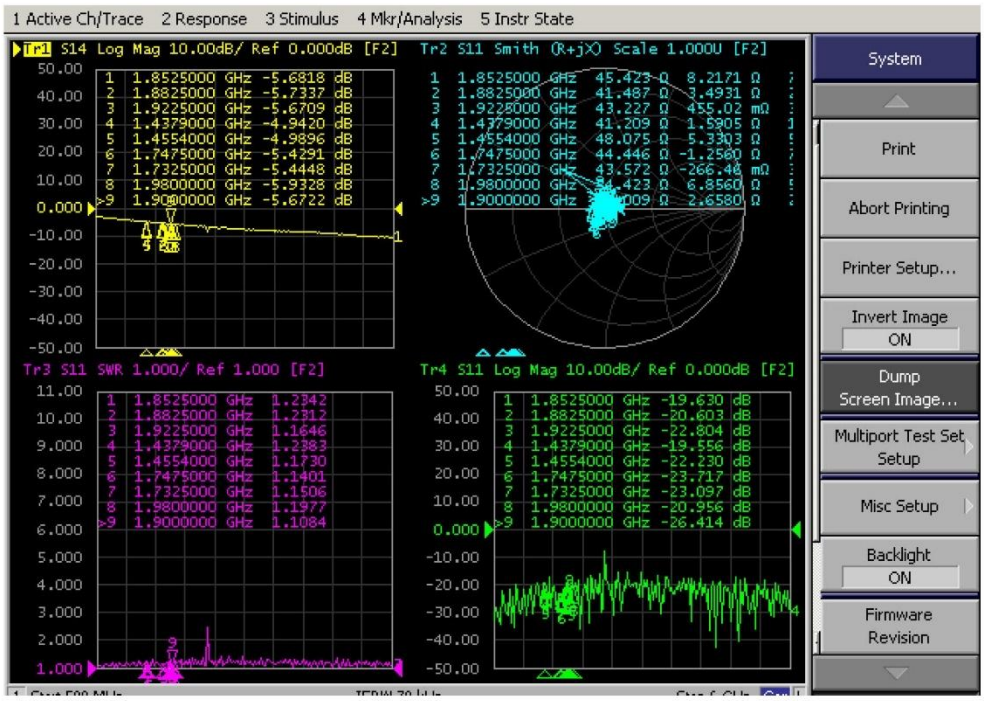
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Product Number: iEC12M
Product Name: Coaxial Cable

1575~1561MHz



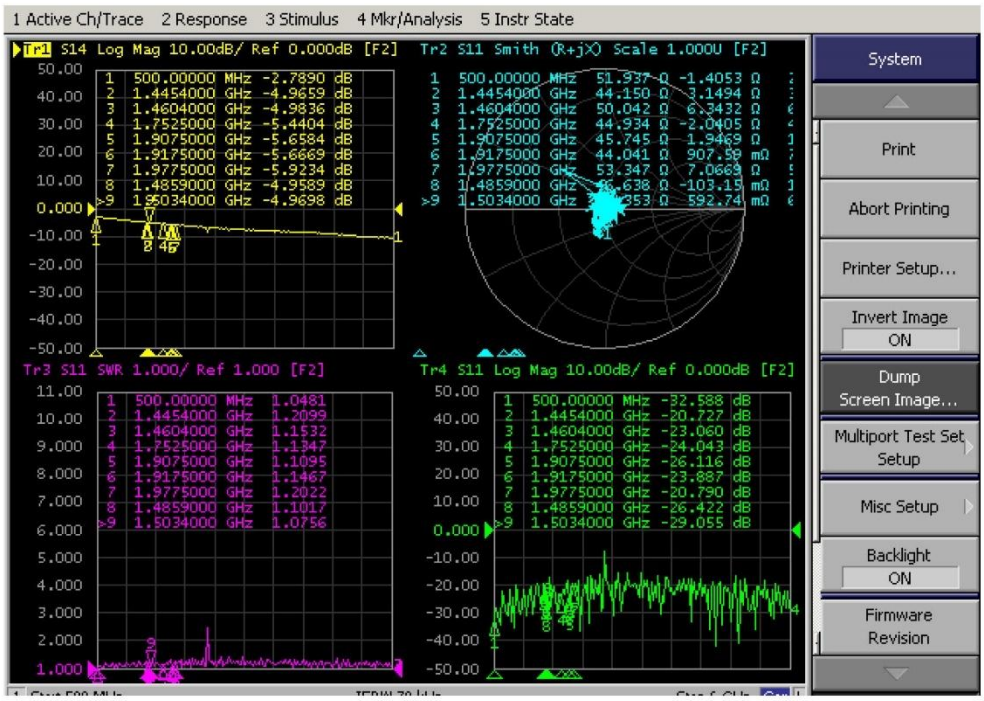
1852~1900MHz



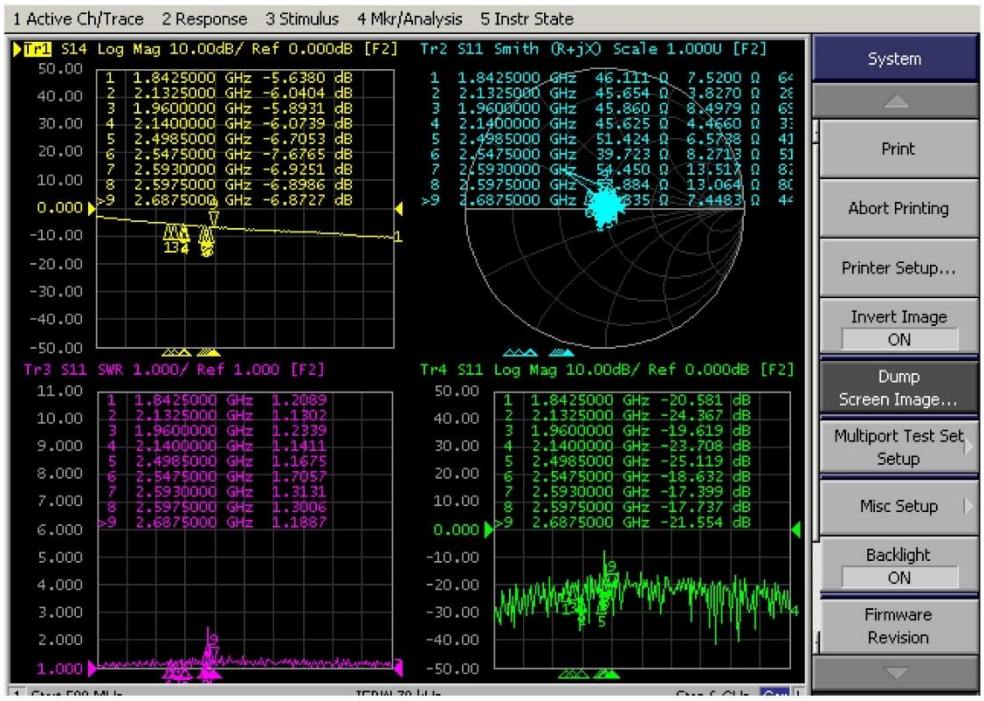
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Product Number: iEC12M
Product Name: Coaxial Cable

1445~1977MHz



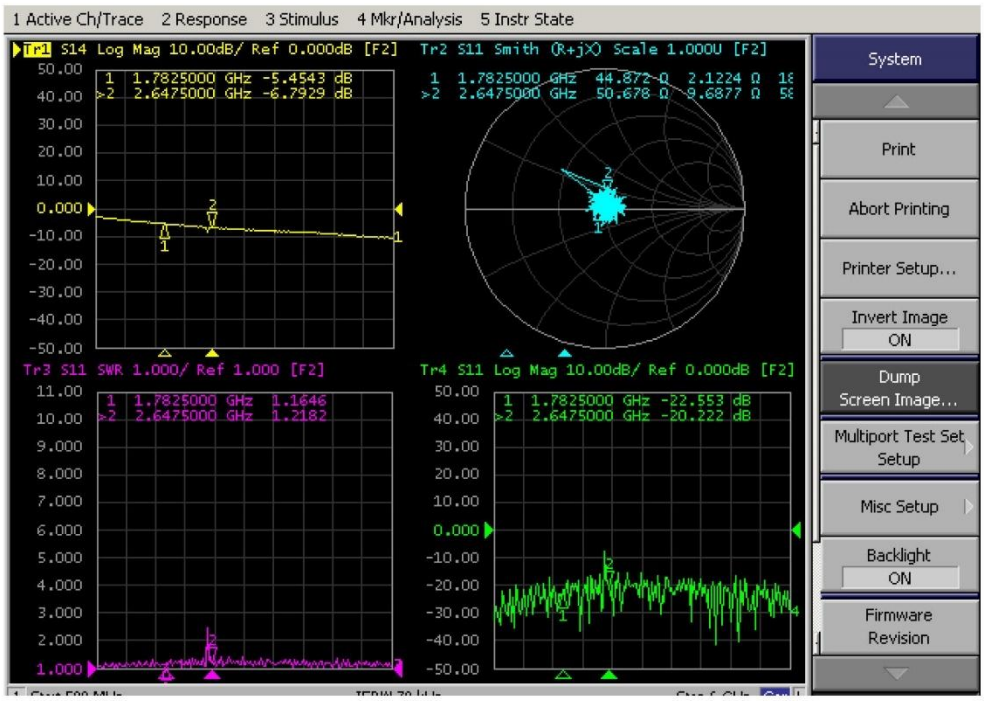
1842~2687MHz



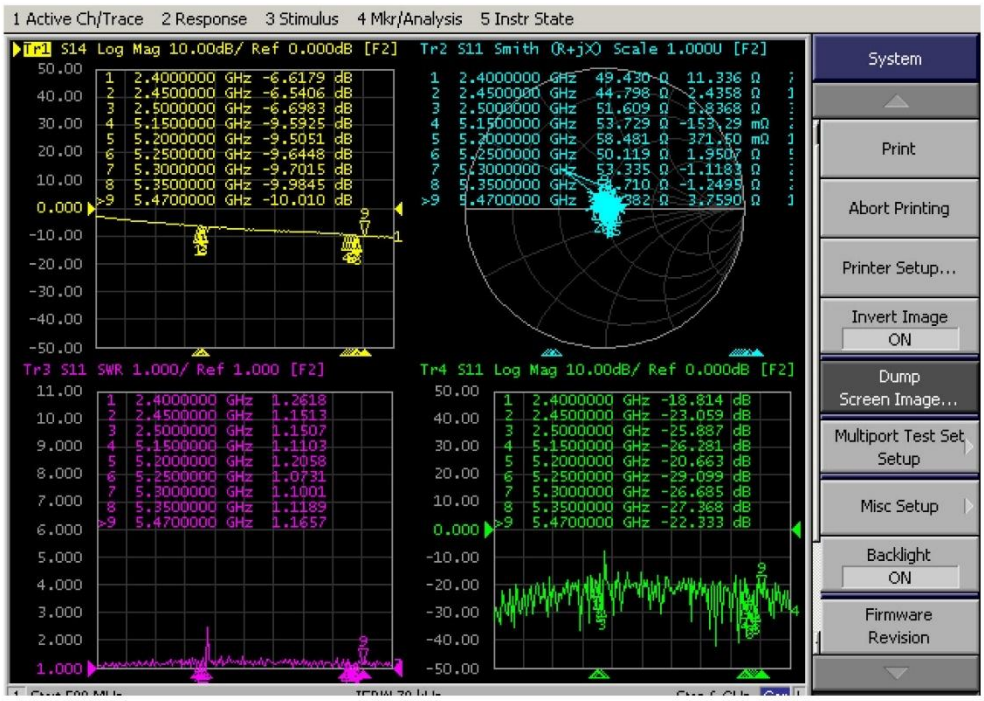
IDY Copyright © IDY Corporation, All Rights Reserved

Product Number: iEC12M
Product Name: Coaxial Cable

1782~2647MHz



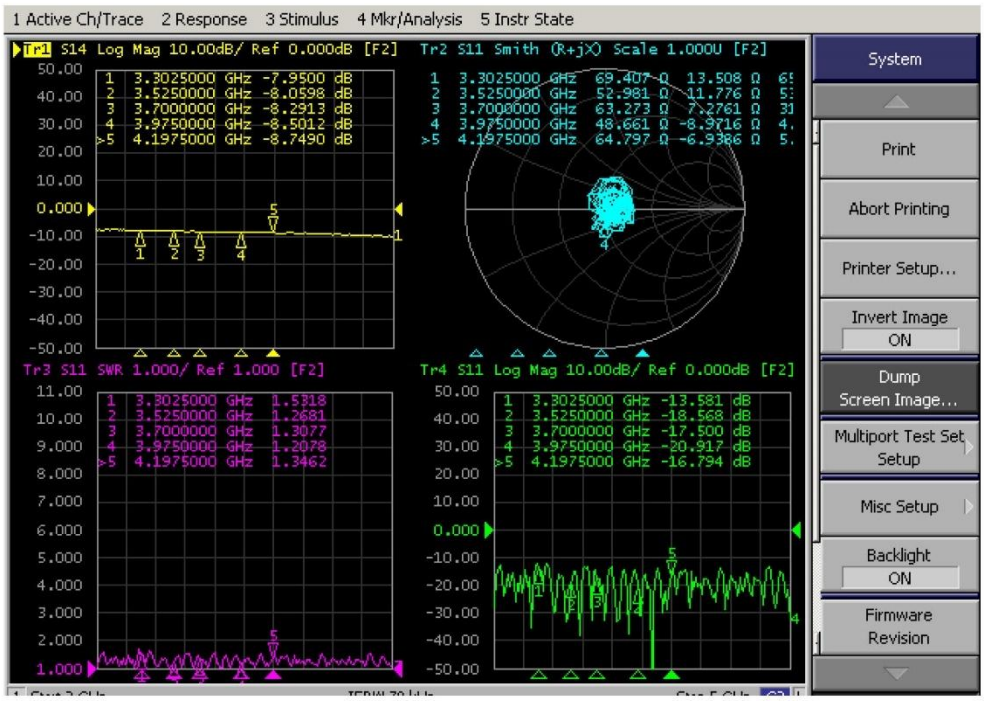
2400~5470MHz



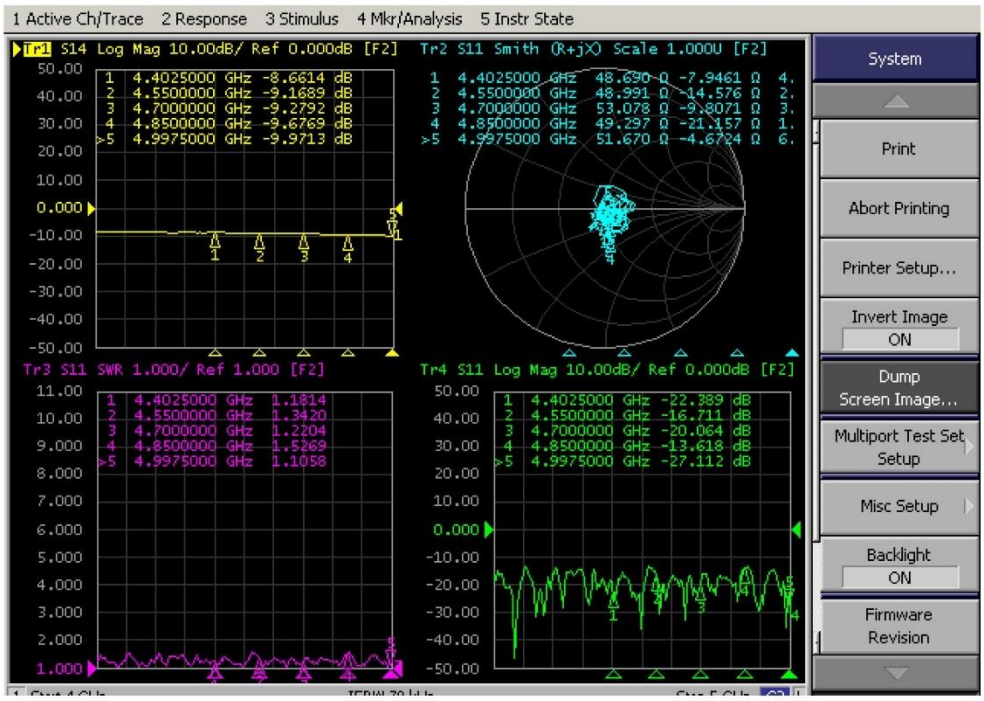
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Product Number: iEC12M
Product Name: Coaxial Cable

3302~4197 MHz



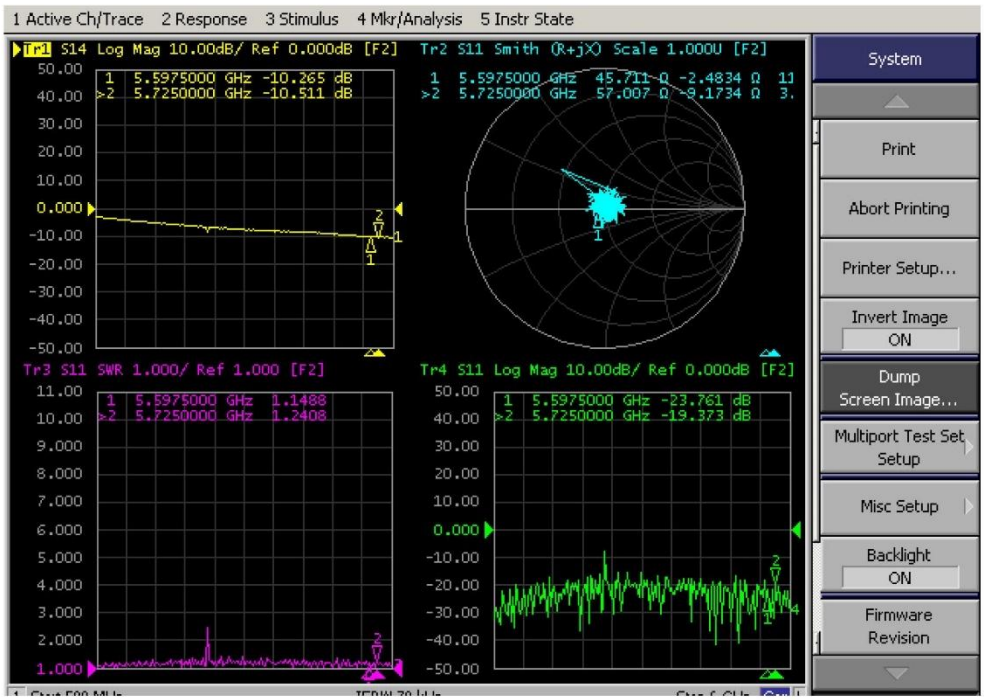
4402~4997 MHz



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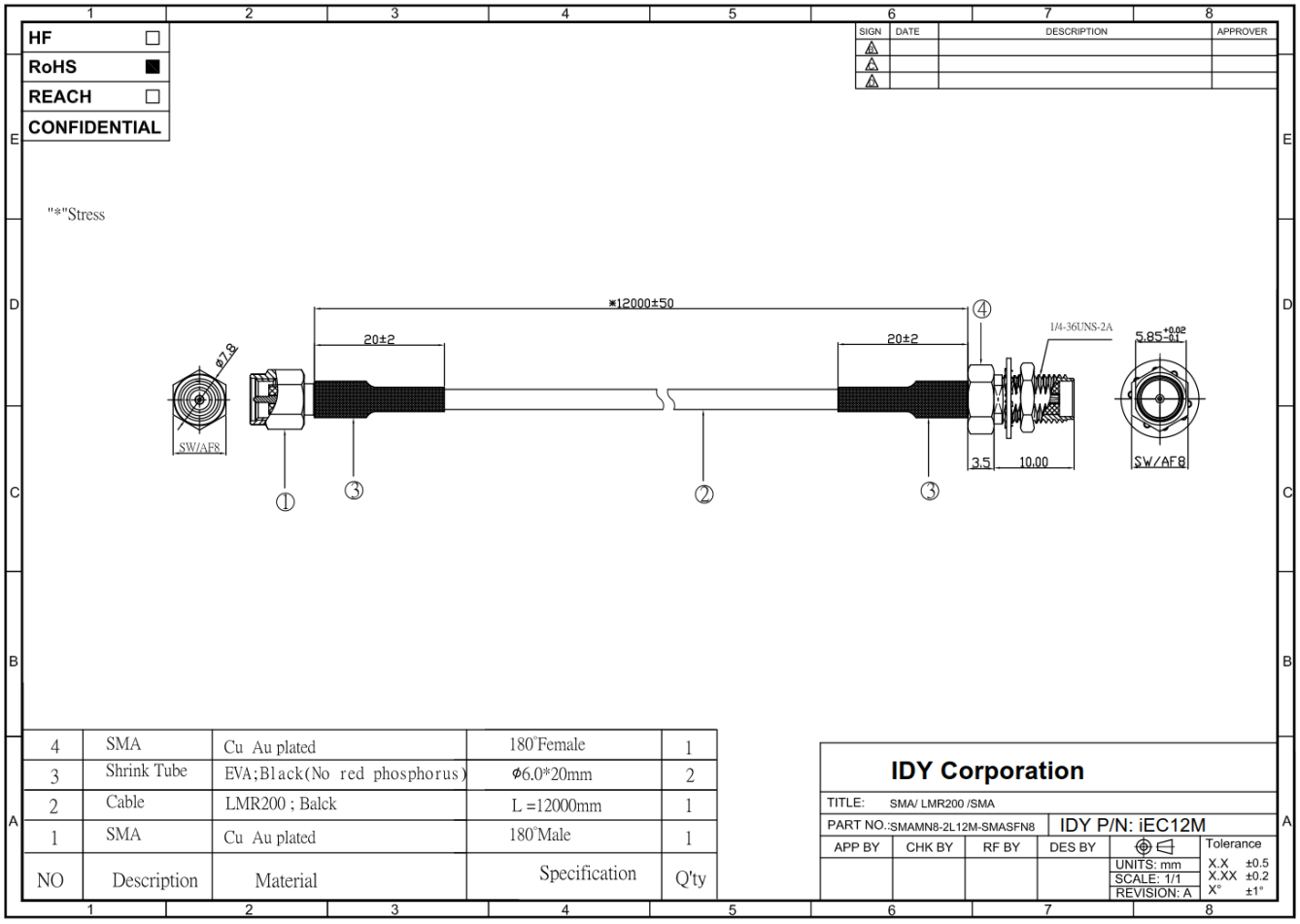
Product Number: iEC12M
Product Name: Coaxial Cable

5597~5725MHz



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＜iEC12M Mechanical Drawings＞



NO	Description	Material	Specification	Q'ty
4	SMA	Cu Au plated	180°Female	1
3	Shrink Tube	EVA;Black(No red phosphorus)	Φ6.0*20mm	2
2	Cable	LMR200 ; Balck	L =12000mm	1
1	SMA	Cu Au plated	180°Male	1

IDY Corporation

TITLE: SMA/ LMR200 /SMA

PART NO.:SMAMN8-2L12M-SMASFN8 IDY P/N: iEC12M

APP BY	CHK BY	RF BY	DES BY	UNITS: mm	Tolerance
				SCALE: 1/1	X.X ±0.5
				REVISION: A	X.XX ±0.2
					X° ±1°

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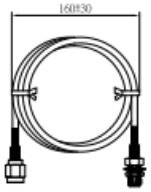
＜iEC12M Packaging Specification＞

Product packaging specification

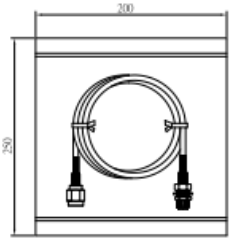
Date：2021.08.05 IDY P/N: iEC12M page: 1 of 1

Product NO : SMAMN8-2L12M-SMASFN8	Edition：A
Product Name :Coaxial Cable	Customer： ALL

1.

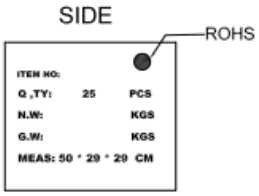


2.

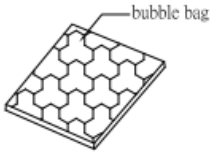


1 PCS / BAG

3.

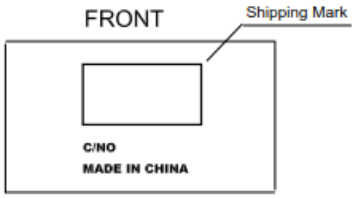


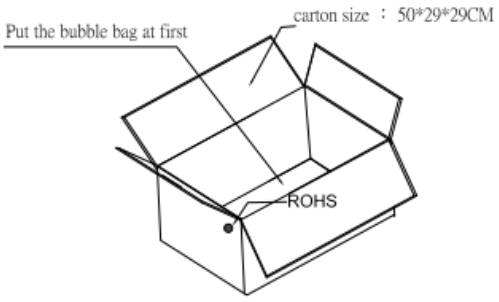
4.



Put a ROHS label on the side of master carton,
fill in the product part number, quantity, net weight and gross weight.

5.





25PCS / CARTON

APPROVED BY : _____ CHECKED BY : _____ DESIDNED BY：_____

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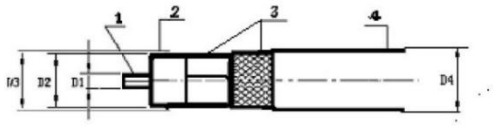
＜iEC12M Cable Specification＞

穗榕 WWW.SUIRONGCABLE.COM 深圳市穗榕同轴电缆科技有限公司

S.R Code: 18040705

R-CB-LMR-200 Coaxial Cable Specification

（ **LMR-200** 同轴电缆规格书）

Type of coaxial cable: LMR-200				
Legend:				
LMR-200: 1.Inner conductor 内导体 2. Insulation 电缆芯线 3.Outer conductor 外导体 4. Jacket 护套				
Main Electrical properties:				
Characteristic impedance	阻抗	50±2Ohm		
Rated capacitance	电容	78±2 pf/m		
Velocity	速比	81%		
Operating frequency	工作频率	10~3000MHz		
Attenuation at typical frequencies:（dB/m） Remarks: We confirmed that typical frequencies can be up to 6000MHz				
400MHz	900 MHz	1500 MHz	2100MHz	3000MHz
0.220	0.341	0.450	0.551	0.639
VSWR 10~3000MHz	电压驻波比	1.30Max.		
Mechanical Construction:				
Inner conductor: BC	裸铜线	1.12±0. 005mm		
Dielectric:foam PE	绝缘 FPE	2.95±0. 10mm		
Outer conductor: APA+TC	铝塑覆合箔＋镀锡铜线	3.70±0. 12mm（16*6/0.12mm）		
Jacket : PVC Black	护套黑色 PVC	5.0±0.10mm		
Engineering data:				
Maximum Pull Tension	最大拉拔力	42 lbs		
Minimum bending radius	最小弯曲半径	50mm		
Operating temperature	工作温度	-25~+70°C		
Reel Length	装盘长度	/		
jacket-Marking	产品标识	LOW LOSS 200 PVC HYT CABLE MICROWAVE SYSTEM/NFC		

SuiRong COAXIAL CABLE Co.,Ltd

制造商:深圳市穗榕同轴电缆科技有限公司
生产地:深圳市龙岗区龙西务地铺清水路清水巷 40 号

WWW.SUIRONGCABLE.COM
Tel：+86-755-28217358 Fax+86-755-28217359

2018-04-07

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＜iEC12M RoHS Test＞

SGS 台灣網站 → http://twap.sgs.com/sgsrsts/chn/cheres_tw.asp
SGS 大陸網站 → http://rsts.cn.sgs.com/chn/cheres_cn.asp
SGS 韓國網站 → http://rohs.kr.sgs.com/sgsrsts/en/cheres_en.asp

請輸入以下報告正確資料及檢查碼以便查核
1. 報告編號
2. 報告日期 (YYYY/MM/DD)
3. 產品名稱 (輸入前 10 個字不含空白)
4. 圖示檢查碼 (依指示畫面)

填表：	
部門：	
職務：	

物料中HSF對象物質含量調查表

物料名稱：SMAMN8-2L12M-SMASFN8 (iEC12M)

序號	物料型號	物料各構成名稱	各構成物料的材質	測試報告裡RoHS2.0對應物質測試結果										檢測報告編號	測試日期	測試名稱	測試機構名稱
				Cd	Pb	Hg	Cr(VI)	PBBs	PBDEs	DBP	BBP	DIBP	DEHP				
1	SMA	180° Female 180°Male	銅	39	32915	N.D.	N.D.							CANML2109847002	2021.06.11	黃銅棒（C3604）	SGS
			鍍金	N.D.	31	N.D.	N.D.							SZXEC2101871802	2021.06.28	銅車件電鍍金.	SGS
2	LMR200	Cable	PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2020811102	2020.11.27	PVC Black	SGS
			PE	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2022021108	2020.12.18	HDPE	SGS
			AL	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	YCCT332020060601RZ2	2020.06.06	铝箔聚酯膜麦拉带	YCCT
			裸銅	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	TSNEC2002256101	2020.11.30	ELECTRICIAN	SGS
			镀锡铜	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	C210301069002-0	2021.03.05	镀锡线0.15	CPST
3	Shrink Tub	EVA	EVA	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	CANEC2022443601	2020.12.22	HEAT SHRINKABLE TUBING	SGS

根據測試報告如實填寫鉛、鎘、汞、六價鉻、PBBs和PBDEs六項禁用物質的含量
包裝材料中鉛、鎘、汞、六價鉻總含量不超過100ppm，鎘的允許濃度為5ppm
歐盟ROHS指令豁免條款2015/863/EU、鋼中合金元素中的鉛含量达0.35%、铝含量达0.4%、铜合金中的铅含量达4%

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○ お問い合わせ

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東京都千代田区岩本町3－9－3　フォレスト秋葉原ビル6階
TEL：03－4400－7970

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