

產品規格承認書

Specification For Approval

日期： 2007 / 06 /16

Date

編號： 070616004

File No.

版本： 1.0

Revision

承認廠商： 偉 德

Customer

製造廠商： 康捷電子有限公司

Manufacturer

型號品名： 2.4GHz External Antenna

Part Number

Description

R-AN2400-1901RS

廠商審核：

Approved By

Invax

英碩科技股份有限公司
台北市忠孝東路五段 815 號 4 樓
Tel: 886-2-2788-5218 Fax:886-2-2783-1658

Cortec

東莞康捷電子有限公司
廣東省東莞市長安鎮振安路
沙頭段咸西工業區
Tel: 86-769-85388261 Fax: 86-769-85397133

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- 6. MSDS & SGS Report**

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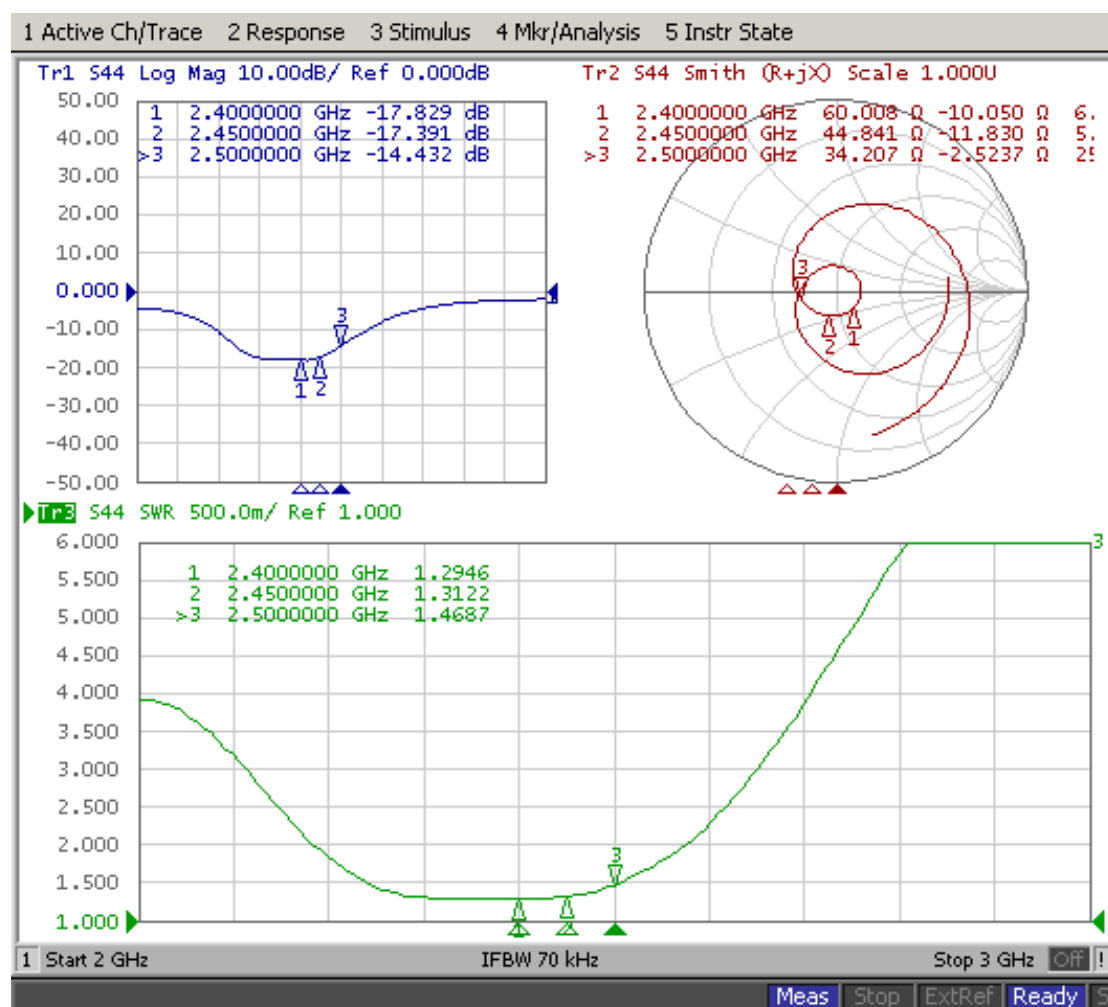
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

2. Specification

A. Electrical Characteristics	
S.W.R.	≤ 2.0 @ 2400 ~ 2500 MHz
Antenna Gain	5.0 ± 0.7 dBi (*Depends on Product Mechanical Environment*)
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	50 Ohm SMA Male Reverse
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

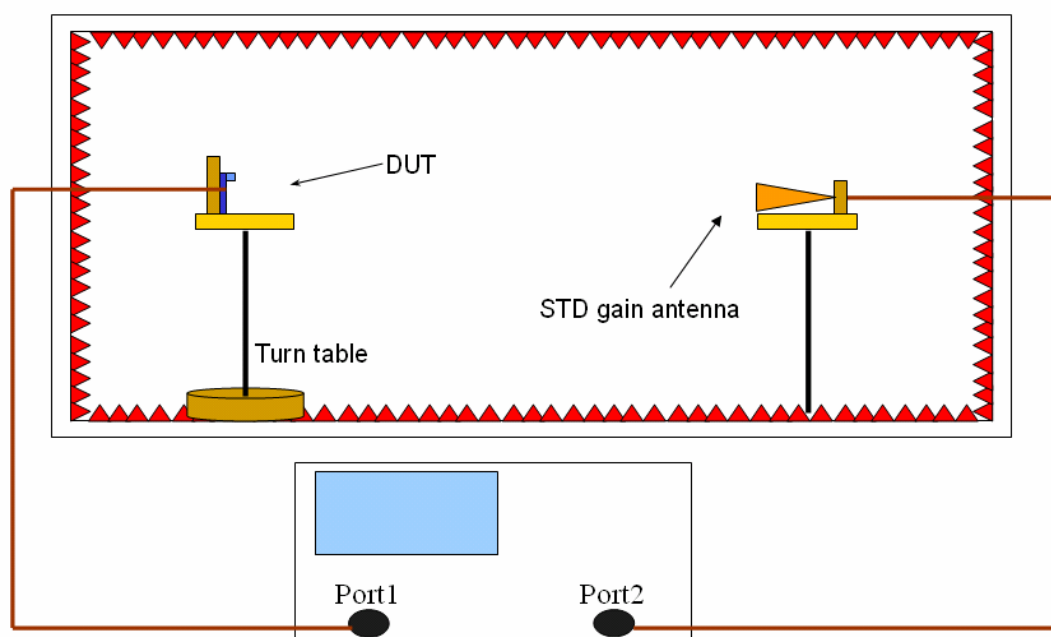
Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna



5. Mechanical Drawing

6. MSDS & SGS Report



Cortec Technology Inc.

广东省东莞市长安镇振安路沙头段咸西工业区

Model : 2.4GHz-5dBi Antenna // 03
Remark : H-Plane // Vertical Polarization
Tested by : CORTEC Antenna 3D Lab // Zhao Yao Rong

Location: Chamber

Date: 2007/5/12

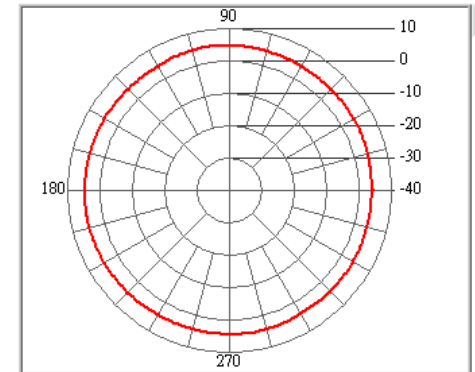
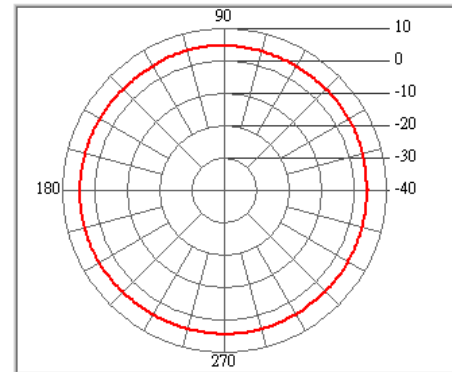
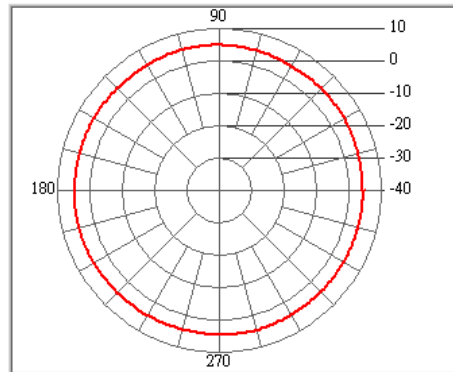
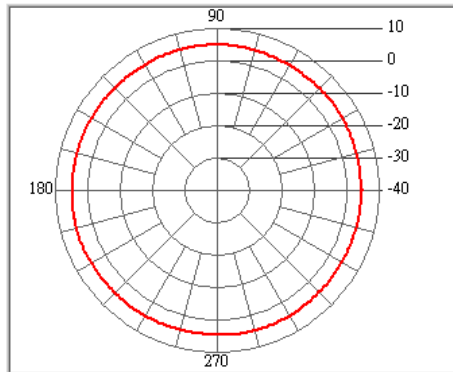
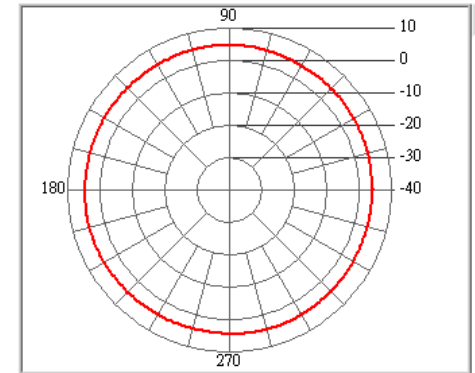
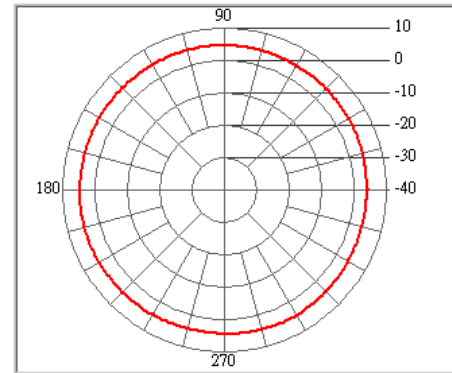
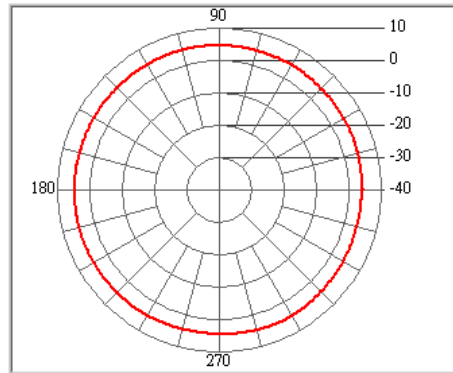
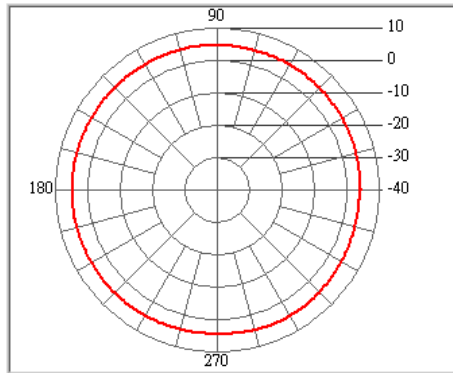
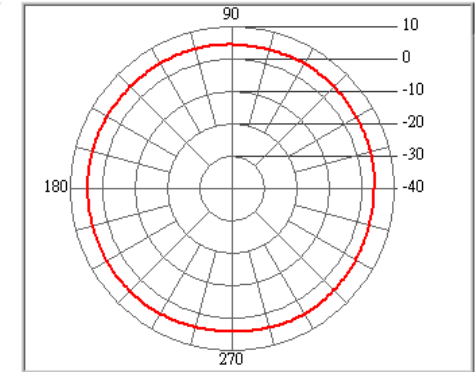
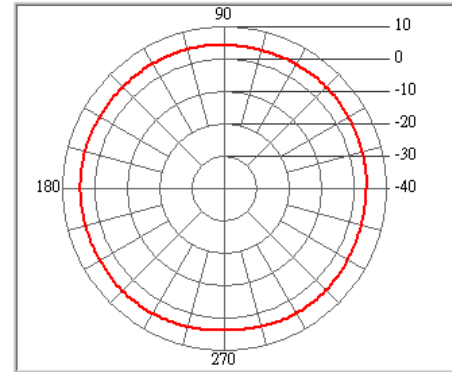
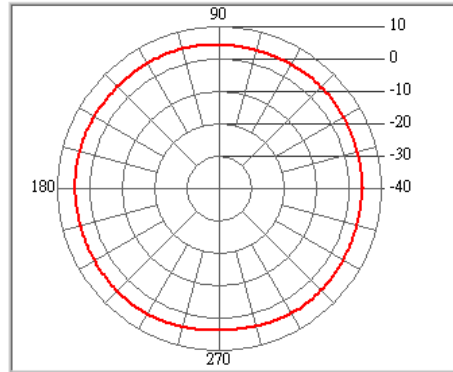
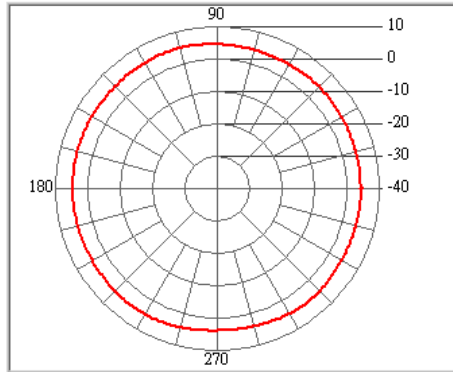
Time: 上午 09:43:22

Temperatuer (°C): 22.00

Humidity (%): 55.00

Approved by:

Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	5	4.76	4.61	4.74	4.92	4.83	4.73	4.78	5.02	4.94	4.78	4.85
Peak Degree	117	228	228	228	295	295	203	105	105	105	99	99
AV Gain (dBi)	4.52	4.37	4.3	4.45	4.65	4.56	4.46	4.47	4.72	4.57	4.36	4.38



Model : R-AN2400-1901RS

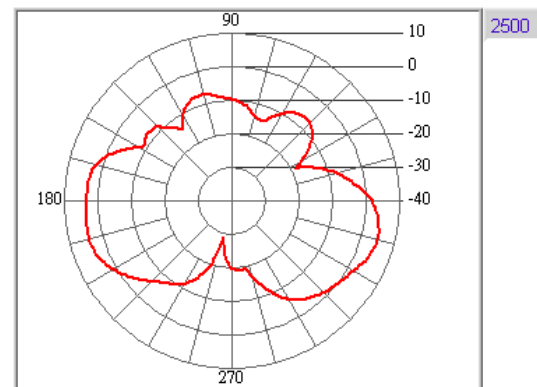
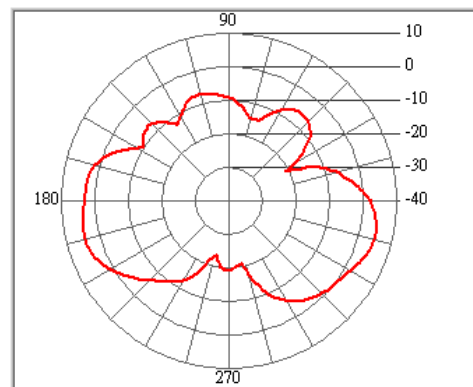
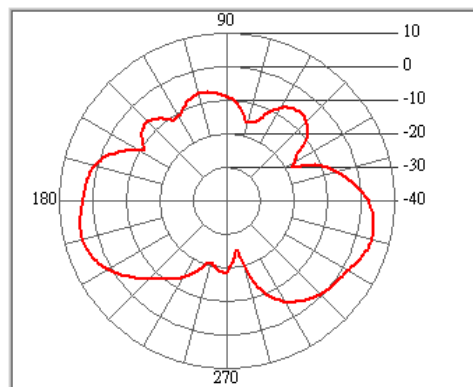
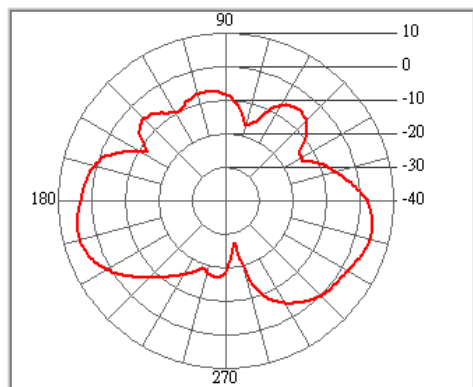
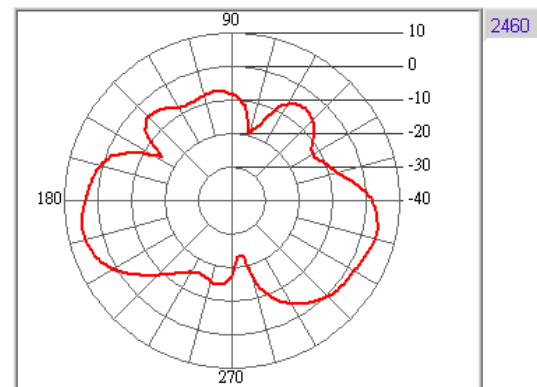
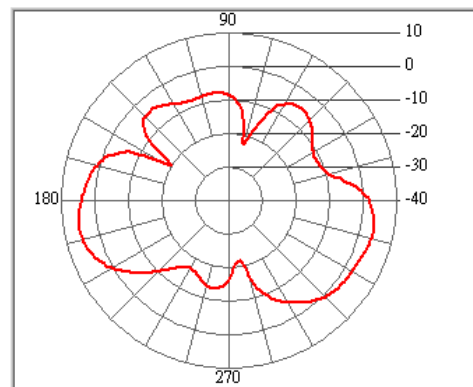
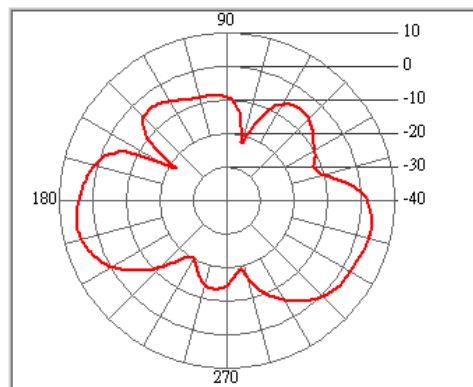
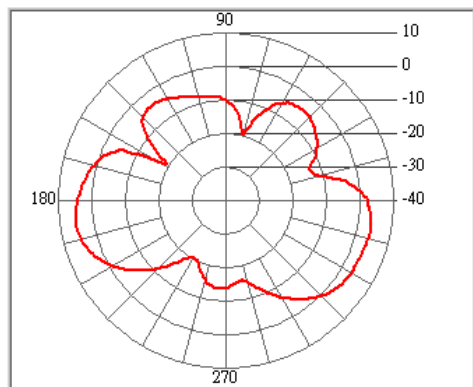
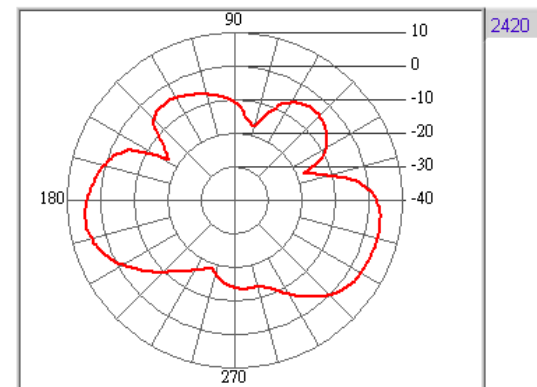
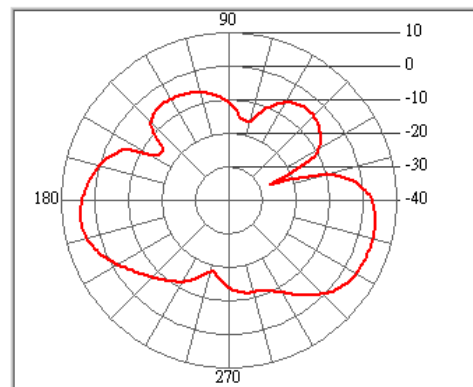
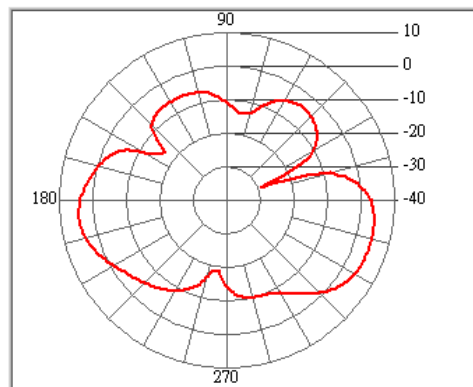
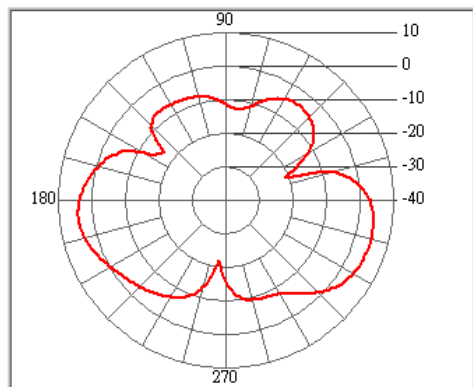
Remark : E-Plane // Horizontal Polarization

Tested by : Cortec Antenna 3D Chamber // Zhao Yao Rong

Location: **Chamber**Date: **2007/7/12**Time: **上午 09:07:09**Temperatuer (°C): **22.00**Humidity (%): **55.00**

Approved by:

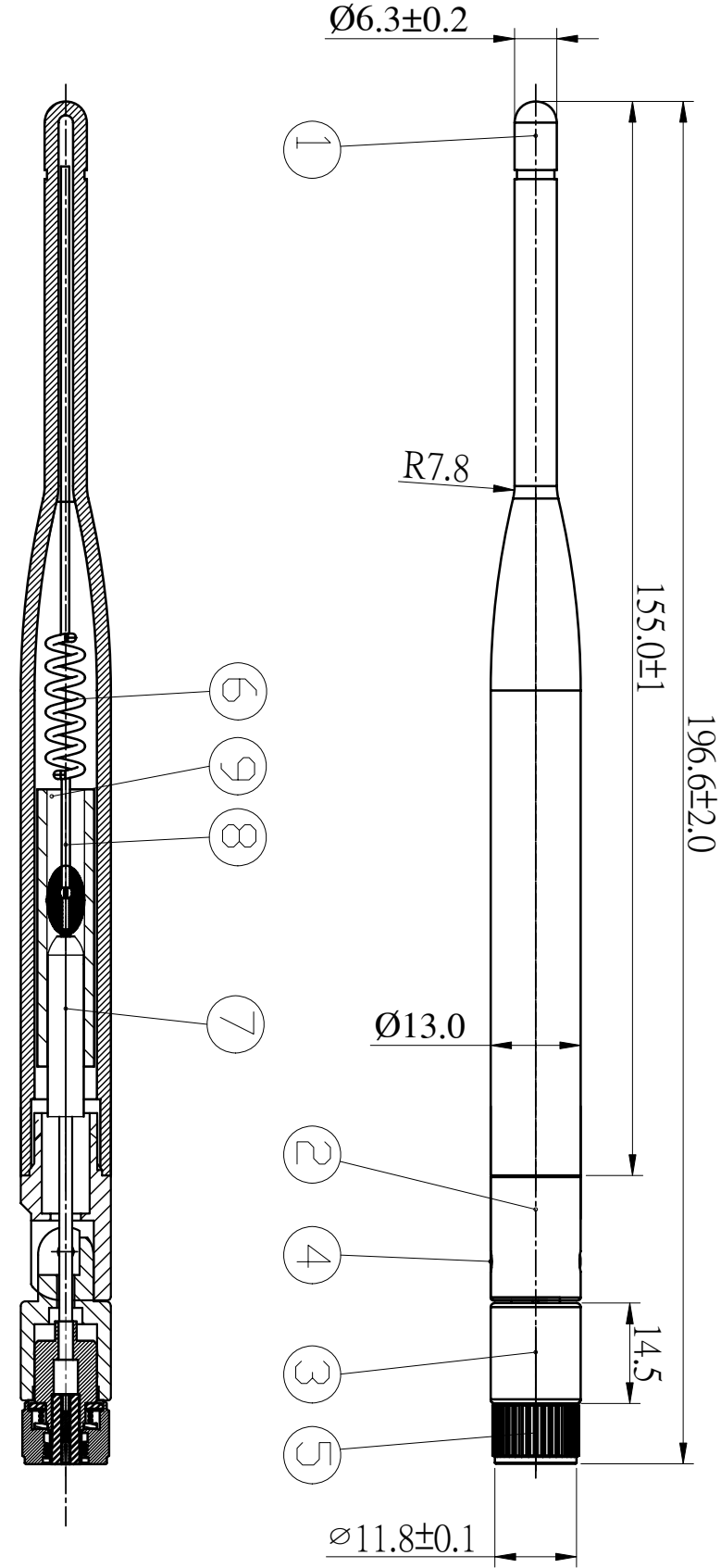
Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	4.92	4.83	4.51	4.84	5.18	5.27	5.37	5.3	4.96	4.87	5.04	4.96
Peak Degree	342	343	348	190	191	191	191	191	191	348	348	348
AV Gain (dBi)	-1.43	-1.48	-1.57	-1.58	-1.52	-1.59	-1.53	-1.5	-1.53	-1.72	-1.71	-1.75



ROHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
△			
△			
△			



No.	Part Number	Description	Material	Finished	Q'ty
1	R-AN1901-04A	Sleeve	ABS	Ø8.20/ L=30.0 mm	1
2	R-RG-178U	Cable	RG178	L=70.0mm	1
3	R-AN94-02S	Tube	Cu	Ø5.20/L=26.0 mm	1
4	R-AN1901-06	Spring	Cu	L=94.0mm	1
5	R-SMA324-CC8MRANT	SMA Male Revers	Cu	Eletrodeposition	1
6	R-AN03-514CZ	Rivet	Cu	Eletrodeposition	2
7	R-AN03-101	Body1	PA-6	Black	1
8	R-AN03-102	Body2	PA-6	Black	1
9	R-AN1901-01	Body	TPE	Black	1

Cortec® Cortec Technology Inc.

PART NAME: Antenna 2.4GHz 5dbi TITLE: Antenna 2.4GHz 5dbi

PART NO.: R-AN2400-1901RS DWG NAME: R-AN2400-1901RS.dwg

APPROVED BY	CHECKED BY	DESIGNED BY	UNITS: mm	Tolerance
Grant	Liu kui	Zhang yue xin	SCALE: 1/1	X.X ±0.10
2007/04/06	2007/04/06	2007/04/06	REVISION: B1	X.XX ±0.05
				X° ±1°



世扬金属制品有限公司

TEST CERTIFICATE

材質証明書

CLIENT 客户	天诚						certificate NO. 证明书号	070127-15		
name article 品名	Brass									
LOT NO.	SIZE(MM)	OUTW GT	DESIGNATION	Cu(%)	Pb(%)	Fe(%)	Fe+Sn(%)	Cd(%)	Zn(%)	REMARK
	STANDARD	(KG)	JISC3604	57~61	1.8~3.7	≤0.5	≤1.2	≤0.0075	REM	
7916	14.5 φ		JISC3604	58.92	2.986	0.446	0.971	0.0042	REM	

兹证明本表所列产品,均依材料规格制造及试验,并符合规格之要求。

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED JERE IN MAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

MANAGER: 曾敦義

PABLE: 李玉奎

DATE: 2007/02/27

THE THREE INDUSTRIAL AREA NAN LANG TOWN ZHONG SHAN CITY
中国广东省中山市南朗镇第三工业区

TEL:0760-5214770 FAX:0760-5214769
E-Mail:sales@shivangmetal.com

TPE Datasheet

物性項目 Property	單位 Unit	ASTM 試驗法 Test Method	TPE
比重 Specific Gravity	---	D792	0.88
模具收縮率 Shrinkage	%	D955	0.8-2.5
斷裂拉伸強度 Tensile Strength	Kg/ cm ³	D638	3.1
扭曲強度 Flexural Strength	Kg/ cm ³	D790	---
衝擊強度缺口 23°C Impact Strength	Kg om/om	D256	---
硬度 Hardness	A Shore	---	13
熱變形溫度 0.45 MPa Heat Deflection Temp.	°C	D648	80
熔融指數 Melt Flow Index	G/ min ²	D1238	10
燃燒性 Flammability	---	UL94	HB
Testing Data from 東莞市合春塑料有限公司 Tel:86-0769-2774772 台灣大雅國際股份有限公司 Tel:886-02-27775232			

Coaxial Cable Datasheet

RG-178 Coaxial Cable Specification		
1. Cable Type	MIL – C – 17 / RG-178	
2. Impedance	50 ± 3 ohm	
3. Inner Conductor	Material	silver-coated copper
	Conductor Numbers	7
	Conductor Size	0.102 mm
	Outer Diameter	0.3 mm
4. Dielectric Layer	Material	FEP
	Color	Clear
	Average Thickness	0.28 mm
	Diameter	0.86 mm
5. Braid (Shielding)	Material	silver-coated copper
	Construction	16-3-0.1 mm
	Coverage	95 %
6. Outer Cover	Material	FEP
	Color	Brown
	Average Thickness	0.25 mm
	Diameter	1.80 ± 0.05 mm
7. V.S.W.R Testing	< 1.3 (DC ~ 6.0 GHz)	
8. Attenuation (dB / 100 meter)	100 MHz	46
	900 MHz	155
	1800 MHz	295
	2400 MHz	340
	5200 MHz	505
	6000 MHz	550
9. Capacitance	97 ± 3 (pF / meter)	
10. Maximum Power	30 dBm	
11. Spark Test	2.0 KV	
12. Rating Temp. and Volt.	200°C / 30V	
13. Conductor Resistance	335 ohm / KM / 20°C max.	
14. Dielectric Resistance	3 G ohm / KM / 20°C min.	

PA-6 Datasheet

納普工程塑料檢測報告單

QR-82401-04

A/1

NO : 06040401

品 名	增韌增強尼龍	檢驗標準	QW-824-03	顏 色	黑色
型 號	PA6-EA	批 號	----	數 量	2T
檢 驗 項 目	單 位	檢 驗 標 准	標 准 要 求	實 測 數 據	
拉伸強度	Mpa	GB/T1040-92	----	35.6	
拉伸模量	Mpa	GB/T1040-92	----	1363	
斷裂伸長率	%	GB/T1040-92	----	63.6	
簡支梁沖擊強度(缺口)	KJ/M2	GB/T1043-93	----	20.0	
簡支梁沖擊強度(非缺口)	KJ/M2	GB/T1043-93	----	NB	
結論:					
以上數據均為實測數據					

ABS Datasheet

台灣台達化學工業股份有限公司
ABS 通用級(一般用)規格性質一覽表

性 質 Properties			試驗 方法 ASTM	通用級（一般用）General Purpose						
				3000H	3000D	3000	6000	1000	5000	5000s
M E C H A N I C A L	機 械 質	ZOD 沖擊強度 (IZOD Impact Strength)	D256	34 50	30 38	25 33	23 30	21 27	17 21	13 16
		抗張強度-降伏點 (Tensile Strength at Yield)	D638	400	410	380	400	430	460	480
		抗張強度－斷裂點 (Tensile Strength at Break)		340	360	310	340	340	360	380
		伸張率-斷裂點 (Elongation at Break)	D638	60	40	40	30	30	20	20
		抗折強度 (Flexural Yield)	D790	620	600	580	640	700	750	800
		抗折系數 (Flexural Modulus)	D790	21,000	21,000	20,000	22,000	24,000	26,000	30,000
T H E R M A L	熱 性 質	熱變形溫度 (Heat Distortion Temp.)	D648	87	86	85	86	87	88	89
		Vicat 軟化溫度 (Vicat Softening Temp.)	D1525	102	101	100	101	102	103	104
		流動指數 (Melt Flow index)	D1238	0.5 6.0	1.0 10.0	1.2 12.0	1.6 16.0	1.8 18.0	2.2 20.0	2.1 19.0
		燃燒性 (Flammability)	UL-94	94HB	94HB	94HB	94HB	94HB	94HB	94HB
E L E C T R I C A L	電 氣 性	相對溫度指數 (Relative Temp index)	UL-746B	-	-	60	60	60	60	60
		抗熱線燃燒性 (High Current Arc ignition)	UL-746A	-	-	15	13	17	18	15
		抗電弧性 (High Current Arc ignition)	UL-746A	-	-	200	200	200	200	15
		電弧產生速率 (Arc Tracking Rate)	UL-746A	-	-	0	0	0	0	0
O T H E R S	其 他	比重 (Specific Gravity)	D792	1.03	1.03	1.03	1.03	1.03	1.03	1.04
		硬度 (Rockwell Hardness)	D785	103	102	100	107	110	115	119
		成型收縮 (Mold shrinkage)	D955	0.4	0.4	0.4	0.4	0.4	0.4	0.4
		吸水率 (Water Absorption)	D570	0.3	0.3	0.3	0.3	0.3	0.3	0.3

產品規格承認書

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承認廠商： 偉 德

Customer

製造廠商： 康捷電子有限公司

Manufacturer

型號品名： 2.4GHz External Antenna

Part Number

Description

R-AN2400-5801RS

廠商審核：

Approved By

Invax

英碩科技股份有限公司

台北市忠孝東路五段 815 號 4 樓

Tel: 886-2-2788-5218 Fax:886-2-2783-1658

Cortec

東莞康捷電子有限公司

廣東省東莞市長安鎮振安路

沙頭段咸西工業區

Tel: 86-769-85388261 Fax: 86-769-85397133

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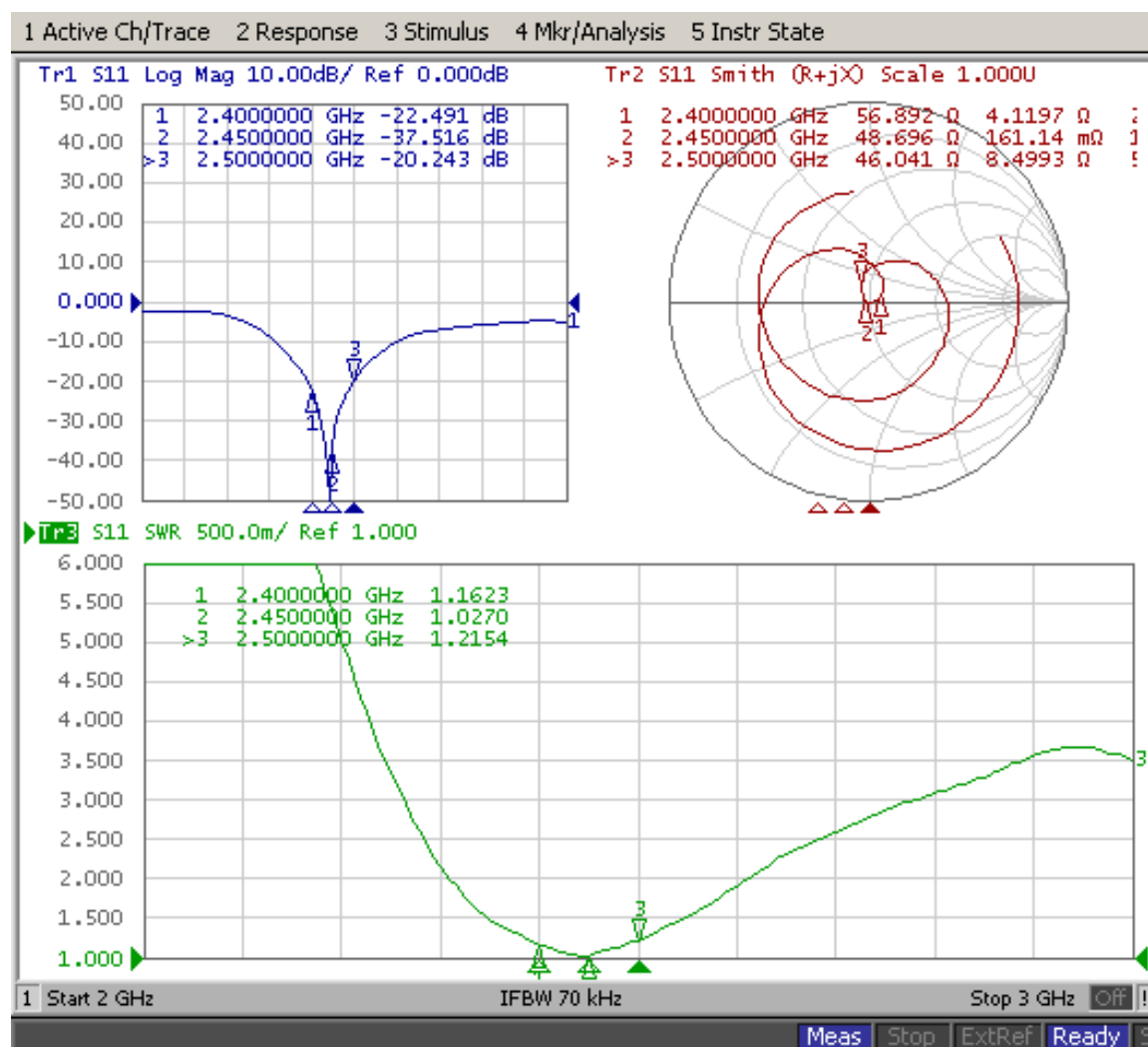
1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 90°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. Freq. Tol.: < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. Freq. Tol. : < ±5%
4. Endurance	24 hours at 90°C	After 2 hours recovery: 1. no visible damage 2. Freq Tol.: < ±5%

2. Specification

A. Electrical Characteristics	
S.W.R.	≤ 2.0 @ 2400 ~ 2500 MHz
Antenna Gain	2.0 ± 0.7 dBi (*Depends on Product Mechanical Environment*)
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	50 Ohm SMA Male Reverse
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

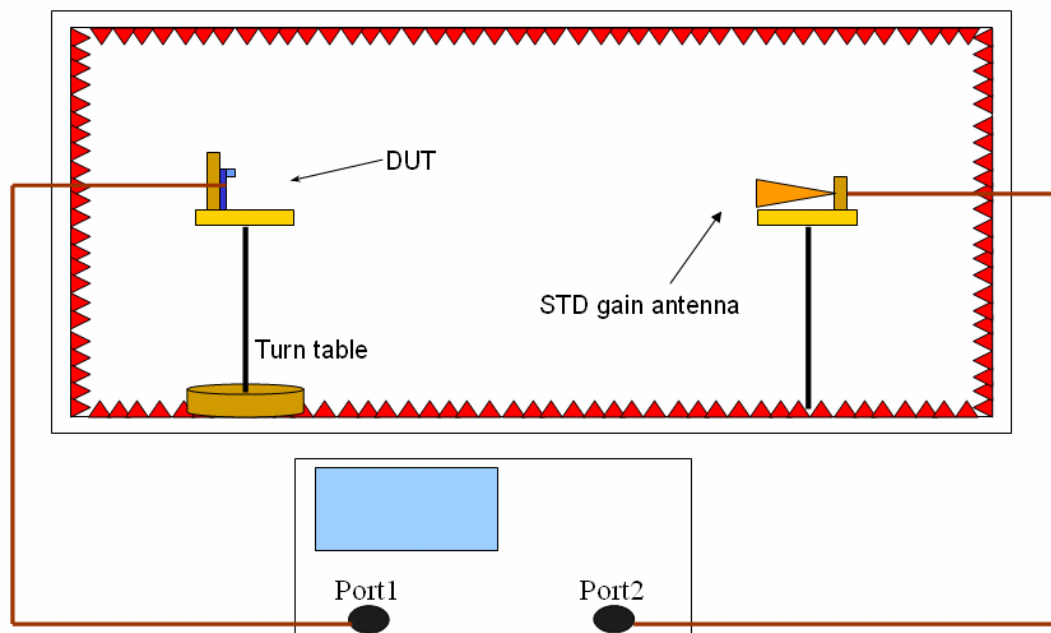
Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna



5. Mechanical Drawing

6. MSDS & SGS Report



Cortec Technology Inc.

广东省东莞市长安镇振安路沙头段咸西工业区

Model : R-AN2400-5801RS // 2dBi Dipole Antenna
Remark : H-Plane
Tested by : CORTEC Antenna 3D Lab // Zhang Cong

Location: Chamber

Date: 2006/9/21

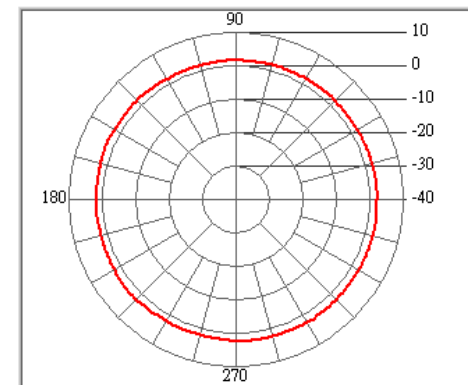
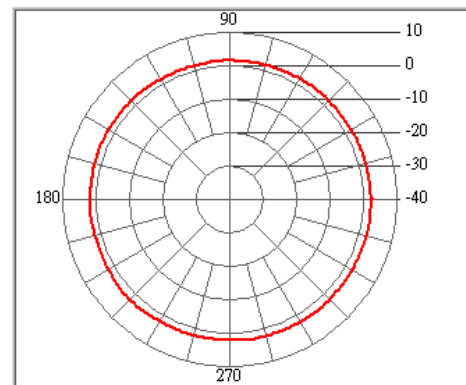
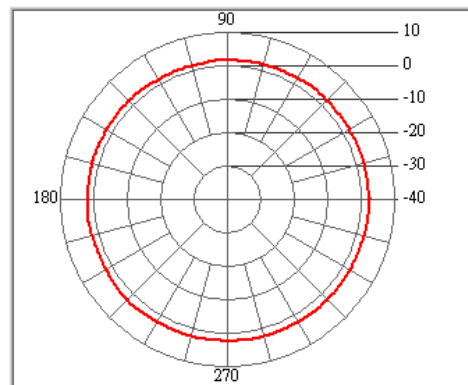
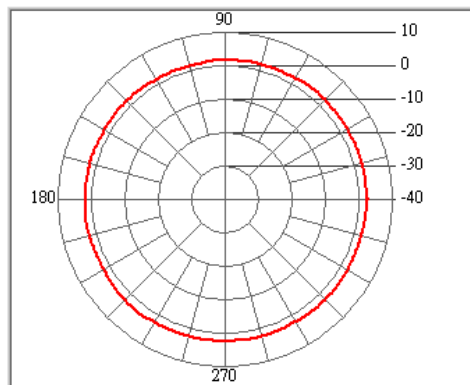
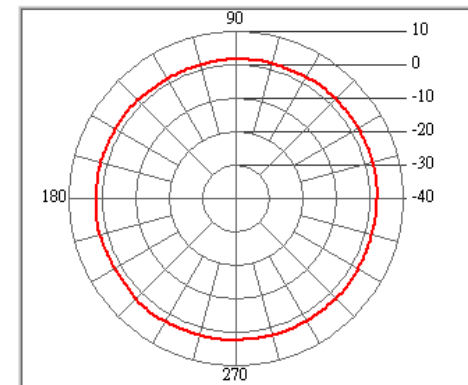
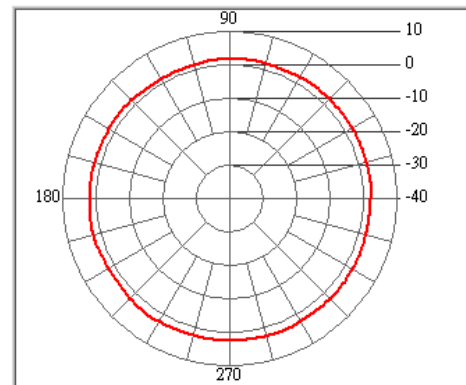
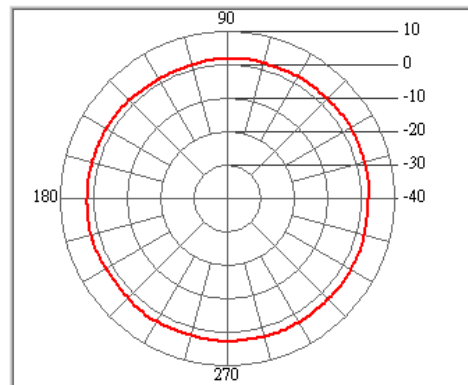
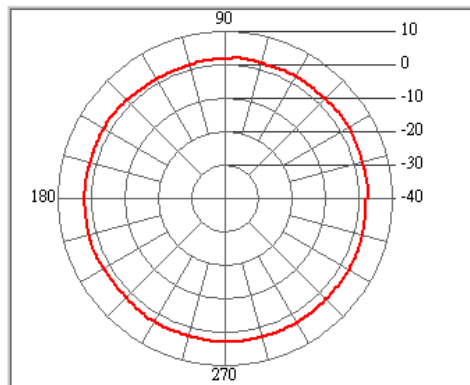
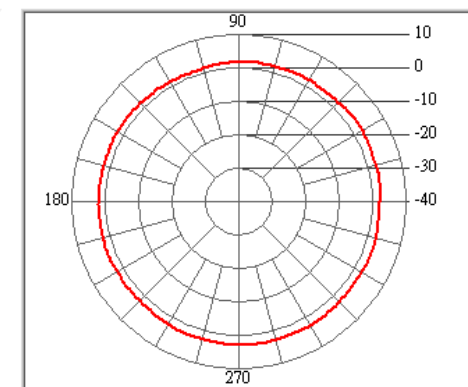
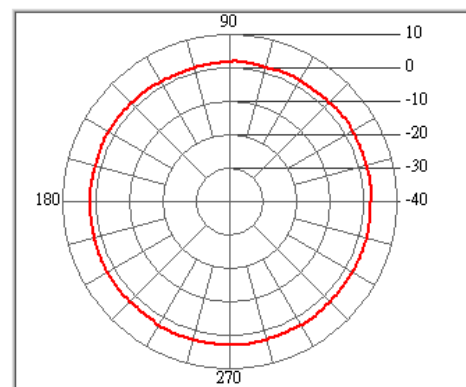
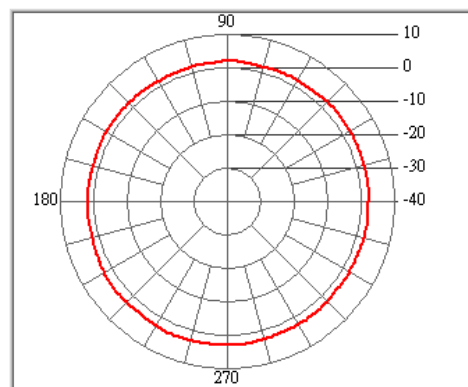
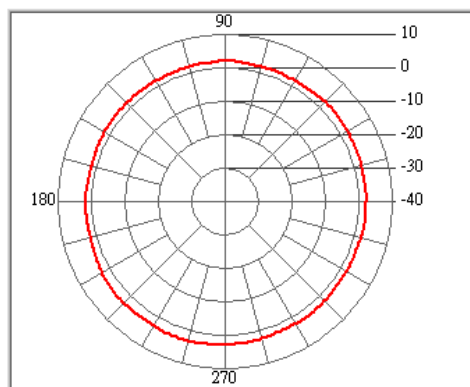
Time: 下午 03:25:09

Temperatuer (°C): 22.00

Humidity (%): 55.00

Approved by:

Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	3.27	3.17	3.08	3.09	3.04	2.83	2.63	2.61	2.69	2.52	2.45	2.54
Peak Degree	254	248	272	272	272	290	290	230	230	230	351	278
AV Gain (dBi)	2.15	2.21	2.18	2.19	2.27	2.2	2.1	2.04	2.08	2.06	1.97	2.03



Model : R-AN2400-5801RS // 2dBi Dipole Antenna
Remark : E-Plane
Tested by : CORTEC Antenna 3D Lab // Zhang Cong

Location: **Chamber**

Date: 2006/9/21

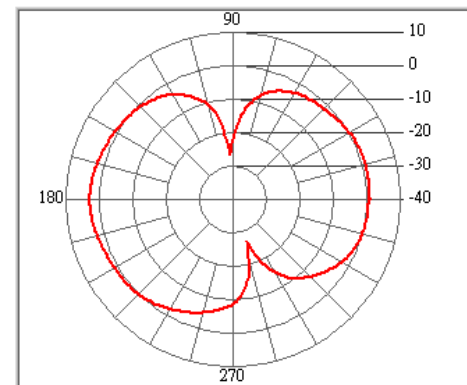
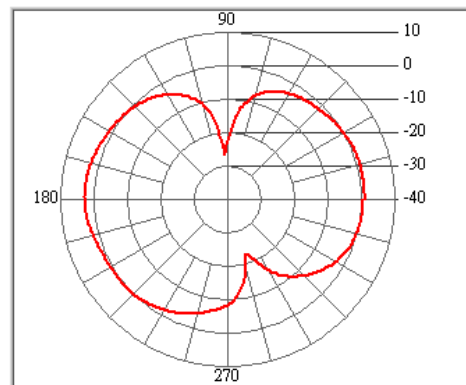
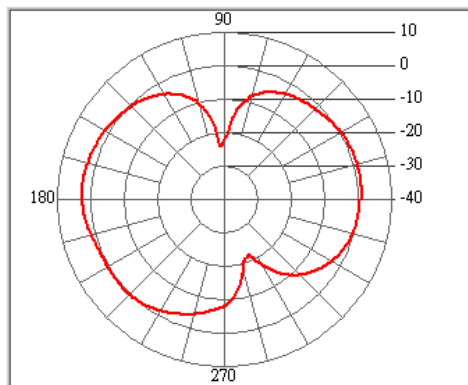
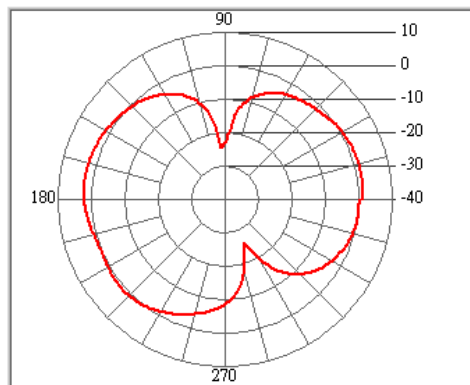
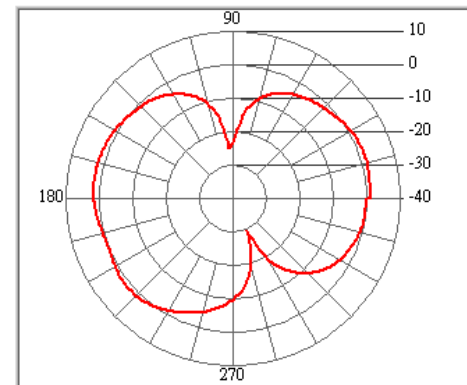
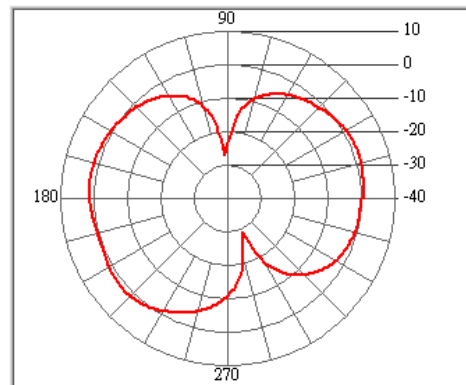
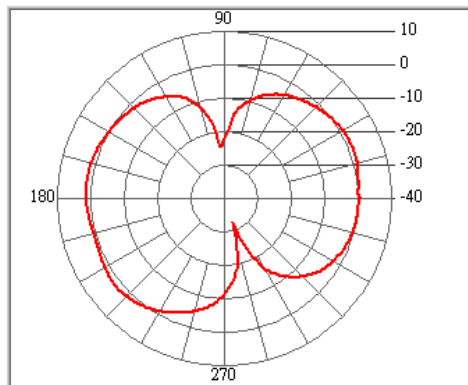
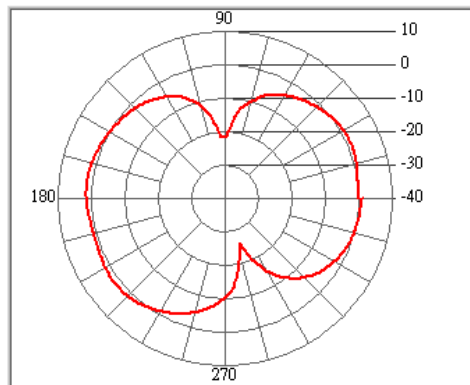
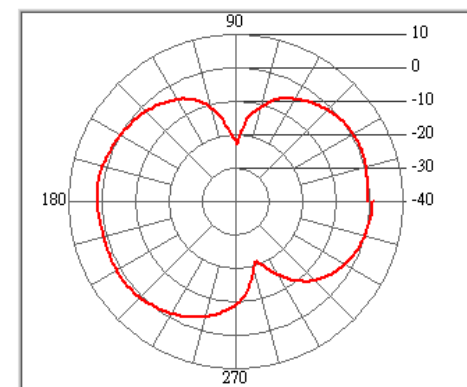
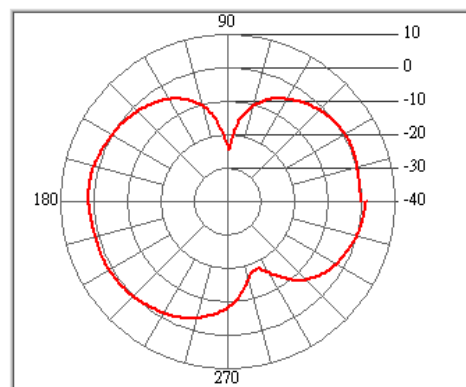
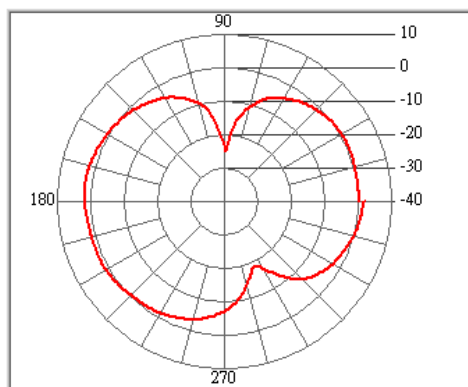
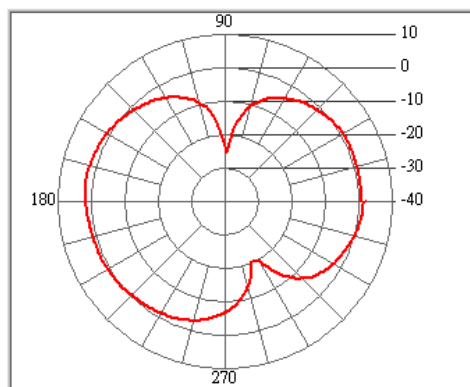
Time: 下午 03:25:09

Temperatuer (°C): 22.00

Humidity (%): 55.00

Approved by:

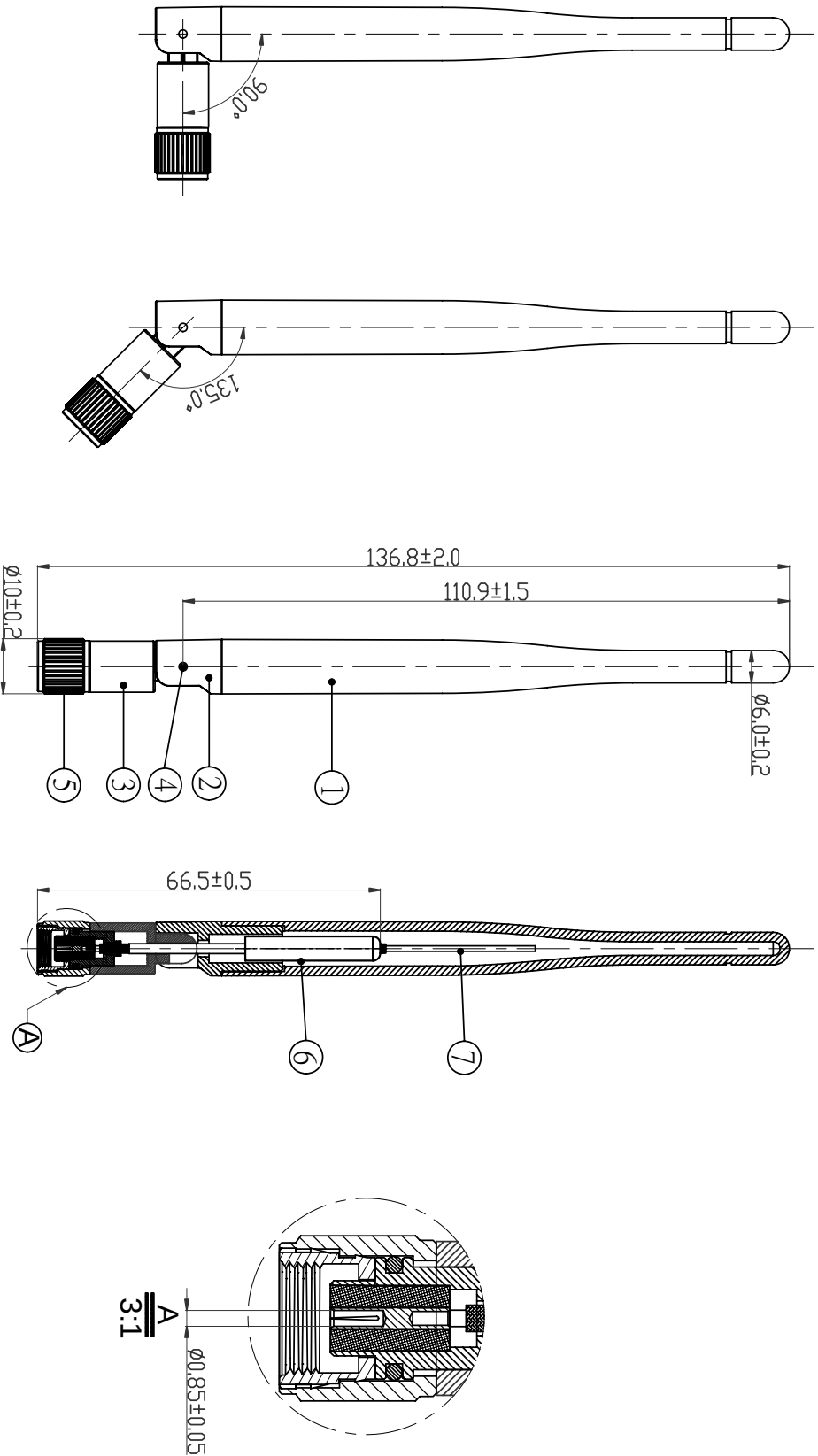
Freq. (MHz)	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain (dBi)	2.08	1.97	1.67	1.49	1.54	1.71	1.55	1.83	2.33	2.68	2.73	2.77
Peak Degree	173	173	173	173	221	221	221	173	173	173	178	179
AV Gain (dBi)	-1.52	-1.6	-1.76	-1.76	-1.65	-1.68	-1.69	-1.61	-1.45	-1.39	-1.4	-1.35



ROHS

Compatible

SIGN	DATE	DESCRIPTION	APPROVER
Δ			
Δ			
Δ			



NO.	Part Number	Description	Material	Finished	Q'ty
1					
2					
3					
4					
5					
6					
7	R-RG-178U	Coaxial Cable	RG178	L=85.0mm	1
6	R-AN4424517	Copper Tube	Cu	∅4.4*24.5mm	1
5	R-SMA260-ZC8MRANT	SMA Male Reverse	Zn Alloy	Electrodeposition	1
4	R-AN01-1213Z	Hinge Pin	Cu	Black Zn Plated	2
3	R-AN5801-01B	Body3	PA-6	Black	1
2	R-AN58-02B	Body2	PA-6	Black	1
1	R-AN58-03B	Body1	TPE	Black	1

Cortec[®]
Cortec Technology Inc.

PART NAME: 2.4GHz Antenna

PART NO.: R-AN2400-5801RS

APPROVED BY: Grant
2007/05/08

TITLE: 2.4GHz Antenna

DWG NAME: R-AN2400-5801RS.dwg

CHECKED BY: LiuKui
2007/05/08

DESIGNED BY: 周松林
2007/05/08

UNITS: mm
SCALE: 1/1
REVISION: A

Tolerance
X.X ±0.5
X.XX ±0.1
X° ±1°

禧福工業股份有限公司材質分析報告

鋅合金

化學成份 Chemical Composition

元素	Element	國際標準	ASTMB240
鋁	(Al)		3.804%
鎂	(Mg)		0.0327%
銅	(Cu)		0.384%
鐵	(Fe)		0.0015%
鉛	(Pb)		0.0091%
錫	(Sn)		0.0017%
鎘	(Cd)		0.0010%
錳	(Mn)		0.00071%
鎳	(Ni)		0.0057%
矽	(Si)		0.0056%
鉻	(Cr)		0.0011%
鉍	(Bi)		0.00040%
鋅	(Zn)		95.8%

物理性能 Physical Properties

密度	Density(g/cm ³ @21°C)	6.60
溶點範圍	Melting Range	381-387°C
凝固收縮	Solidification Shrinkage	1.17%
熱膨脹率	Thermal Expansion(m/mm/°C @20-100°C)	274
比熱	Specific Heat Capacity(J/kg/°C @20-100°C)	418.7
導熱率	Thermal Conductivity(W/m ² /br/m/°C @70-140°C)	1130
導電率	Electrical Conductivity(%IACS)	2.0*E7
電阻率	Electrical Resistivity (μohm-cm@20°C)	6.3694

機械性能 Mechanical Properties

極限抗拉強度	Ultimate Tensile Strength	283MPa
延伸率	Elongation(% in 51mm)	10%
硬度	Hardness(Brinell 500 kg)	82
抗剪強度	Sheet Strength	214 MPa
抗壓屈服強度	Compressive Yield Strength	414 MPa
抗衝擊強度	Impact Energy(Un-notched Bar 6.35*6.35mm)	58
疲勞強度	Fatigue Strength(5*10 ⁸ Cycles)	48 MPa



世扬金属制品有限公司

TEST CERTIFICATE

材質証明書

CLIENT 客户	天诚						certificate NO. 证明书号		070127-15	
name article 品名	Brass									
LOT NO.	SIZE(MM)	OUTW GT	DESIGNATION	Cu(%)	Pb(%)	Fe(%)	Fe+Sn(%)	Cd(%)	Zn(%)	REMARK
	STANDARD	(KG)	JISC3604	57~61	1.8~3.7	≤0.5	≤1.2	≤0.0075	REM	
7916	14.5 φ		JISC3604	58.92	2.986	0.446	0.971	0.0042	REM	

兹证明本表所列产品,均依材料规格制造及试验,并符合规格之要求。

WE HEREBY CERTIFY THAT MATERIAL DESCRIBED JERE IN MAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION.

MANAGER: 曾敦義

PABLE: 李玉奎

DATE: 2007/02/27

THE THREE INDUSTRIAL AREA NAN LANG TOWN ZHONG SHAN CITY
中国广东省中山市南朗镇第三工业区

TEL:0760-5214770 FAX:0760-5214769
E-Mail:sales@shivangmetal.com

TPE Datasheet

物性項目 Property	單位 Unit	ASTM 試驗法 Test Method	TPE
比重 Specific Gravity	---	D792	0.88
模具收縮率 Shrinkage	%	D955	0.8-2.5
斷裂拉伸強度 Tensile Strength	Kg/ cm ³	D638	3.1
扭曲強度 Flexural Strength	Kg/ cm ³	D790	---
衝擊強度缺口 23°C Impact Strength	Kg om/om	D256	---
硬度 Hardness	A Shore	---	13
熱變形溫度 0.45 MPa Heat Deflection Temp.	°C	D648	80
熔融指數 Melt Flow Index	G/ min ²	D1238	10
燃燒性 Flammability	---	UL94	HB
Testing Data from 東莞市合春塑料有限公司 Tel:86-0769-2774772 台灣大雅國際股份有限公司 Tel:886-02-27775232			

PA-6 Datasheet

納普工程塑料檢測報告單

QR-82401-04

A/1

NO : 06040401

品 名	增韌增強尼龍	檢驗標準	QW-824-03	顏 色	黑色
型 號	PA6-EA	批 號	----	數 量	2T
檢 驗 項 目	單 位	檢 驗 標 准	標 准 要 求	實 測 數 據	
拉伸強度	Mpa	GB/T1040-92	----	35.6	
拉伸模量	Mpa	GB/T1040-92	----	1363	
斷裂伸長率	%	GB/T1040-92	----	63.6	
簡支梁沖擊強度(缺口)	KJ/M2	GB/T1043-93	----	20.0	
簡支梁沖擊強度(非缺口)	KJ/M2	GB/T1043-93	----	NB	
結論:					
以上數據均為實測數據					

Coaxial Cable Datasheet

RG-178 Coaxial Cable Specification		
1. Cable Type	MIL – C – 17 / RG-178	
2. Impedance	50 ± 3 ohm	
3. Inner Conductor	Material	silver-coated copper
	Conductor Numbers	7
	Conductor Size	0.102 mm
	Outer Diameter	0.3 mm
4. Dielectric Layer	Material	FEP
	Color	Clear
	Average Thickness	0.28 mm
	Diameter	0.86 mm
5. Braid (Shielding)	Material	silver-coated copper
	Construction	16-3-0.1 mm
	Coverage	95 %
6. Outer Cover	Material	FEP
	Color	Brown
	Average Thickness	0.25 mm
	Diameter	1.80 ± 0.05 mm
7. V.S.W.R Testing	< 1.3 (DC ~ 6.0 GHz)	
8. Attenuation (dB / 100 meter)	100 MHz	46
	900 MHz	155
	1800 MHz	295
	2400 MHz	340
	5200 MHz	505
	6000 MHz	550
9. Capacitance	97 ± 3 (pF / meter)	
10. Maximum Power	30 dBm	
11. Spark Test	2.0 KV	
12. Rating Temp. and Volt.	200°C / 30V	
13. Conductor Resistance	335 ohm / KM / 20°C max.	
14. Dielectric Resistance	3 G ohm / KM / 20°C min.	