



M.gear

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)
 DONGGUAN AEON TECH CO.,LTD.(CHINA)
 SUZHOU AEON TECH CO.,LTD.(CHINA)
 AEON TECH (SHANGHAI) CO.,LTD(CHINA)
 DONGGUAN PARNER TECH CO.,LTD.(CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 永洋科技股份有限公司



PART NAME: RF Antenna Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C381-510150-A(SSR-91019)

REV.: XI

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	Rome 	
DATE :	4/16/09	

WHA YU GROUP

WHA YU INDUSTRIAL CO., LTD.(HEAD OFFICE)

謙裕實業股份有限公司

Address: No. 326, Sec. 2, Kung Tao 5 Road, Hsin Chu City, Taiwan, R.O.C.

Tel:+886-3-5714225(REP.) Fax:+ 886-3-5713853 · + 886-3-5723600

DONGGUAN AEON TECH CO.,LTD.(CHINA)

東莞台霖電子通訊有限公司

Address:Hupan Industrial District,Tai Ling Shan Town,Dong Guan City,Guangdong,China

Tel:+86-769-85655858 Fax:+86-769-85655258

SUZHOU AEON TECH CO.,LTD(CHINA)

蘇州華廣電通有限公司

Address:Limin North Road, LiLi Town,LiLi Industrial Park,LinHu Economic Zone

Wujiang City,Jiangsu Province,China

Tel:+86-512-63627980 Fax:+86-512-63627981

AEON TECH (SHANGHAI) CO.,LTD(CHINA)

普翔電子貿易(上海)有限公司

Address:Flat 501,5F,Build 27, NO.68,Guiqing Road, Huhui District, Shanghai,China

Tel:+86-21-64959151 Fax:+86-21-64959059

DONGGUAN PARNER TECH CO.,LTD.(CHINA)

東莞倍能電子有限公司

Address:Hupan Industrial District, Shida Road, Tai Ling Shan Town,

Dong Guan City, Guangdong, China

Tel:+86-769-81662366 Fax:+86-769-81602681

RF Antenna Assembly

Specification

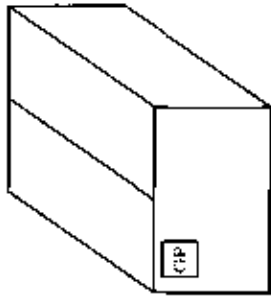
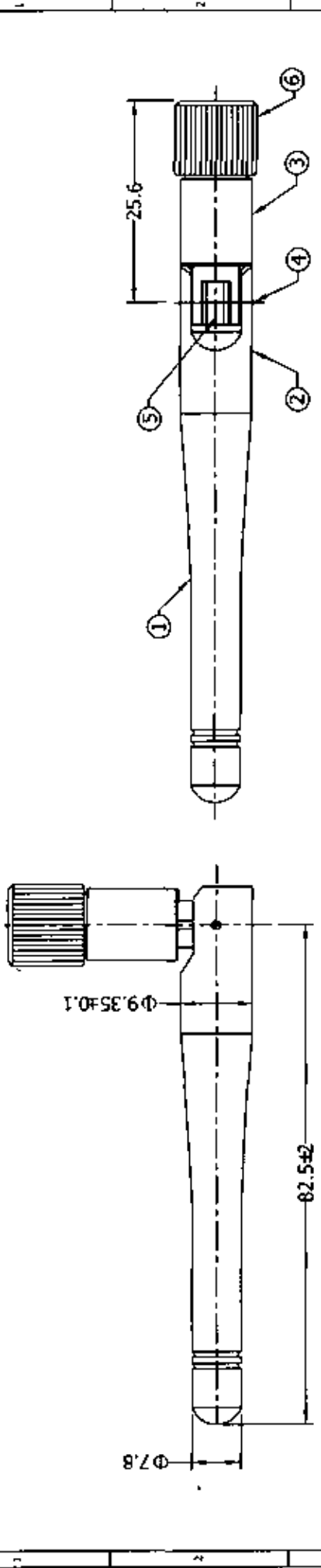
1. Electrical Properties :

- 1.1 Frequency Range.....2.4GHz ~ 2.5GHz
- 1.2 Impedance50Ω Nominal
- 1.3 VSWR 1.92 :1Max.
- 1.4 Return Loss..... -10 dB Max.
- 1.5 Radiation Omni-directional
- 1.6 Gain(peak)..... 2dBi
- 1.7 Polarization..... Linear; Vertical
- 1.8 Admitted Power..... 1W
- 1.9 Cable.....RG-178 Cable
- 1.10 Connector.....SMA Straight Plug Reverse

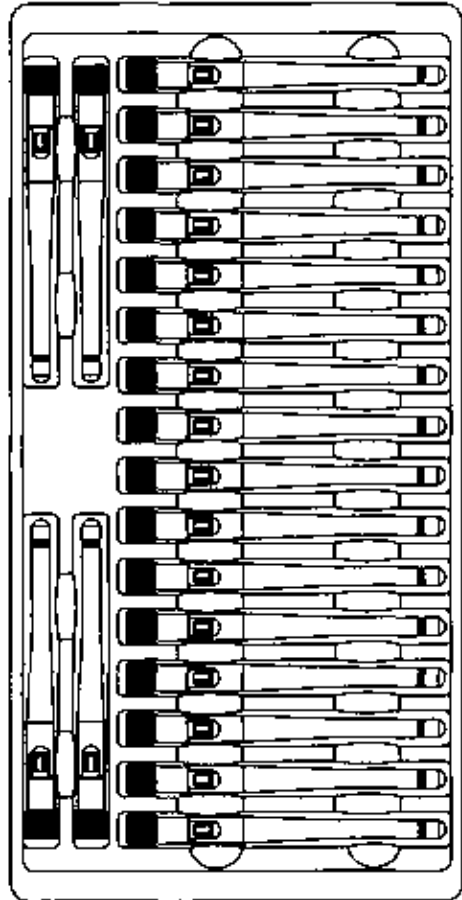
2. Physical Properties :

- 2.1 Antenna Body..... TPE
- 2.2 Antenna Base..... PC
- 2.3 Antenna Base..... PBT
- 2.4 Operating Temp. -10°C ~ +60°C
- 2.5 Storage Temp. -10°C ~ +70°C
- 2.6 Color White

REV	DATE	DESCRIPTION
X1	04/11-2009	New Issue



GP標識貼於外箱兩邊側面左上角



Packing: 每Tray裝裝20PCS成品

NO	DESCRIPTION	QTY	REMARK
6	Connector SMA Straight Plug Reverse	1	
5	Cable RG-178Cable, Transparency Brown,50Ω	1	
4	Rivet POM,Color:White	2	
3	Antenna Base PBT,Color:White,Du Pont LS033(W,Y-024)	1	
2	Antenna Base PC,Color:White,Du Pont LS033(W,Y-D24)	1	
1	Antenna Body TPE,Color:White,Du Pont LS033(W,Y-024)	1	

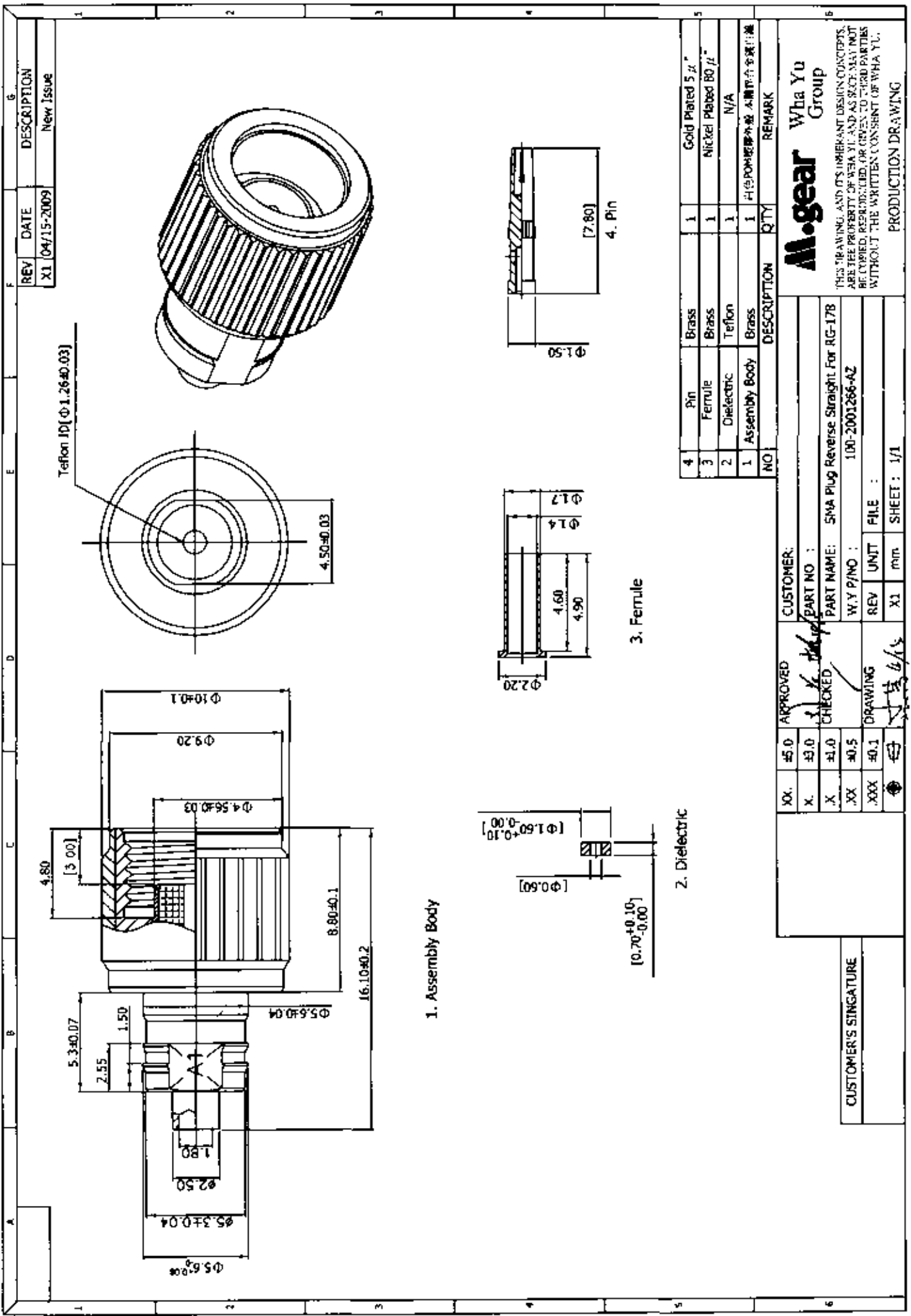
CUSTOMER: 永 洋		APPROVED: (Signature)	
PART NO :		CHECKED: (Signature)	
PART NAME: RF Antenna Assembly		DRAWING: (Signature)	
W.Y P/NO : C381-510150-A			
REV	UNIT	FILE	SHEET
X1	mm	SSR-91019	1/1

CUSTOMER'S SIGNATURE



Wha Yu Group

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REV	DATE	DESCRIPTION
X1	04/15-2009	New Issue

NO	DESCRIPTION	QTY	REMARK
4	Pin	1	Gold Plated 5 µ"
3	Ferrule	1	Nickel Plated 80 µ"
2	Dielectric	1	N/A
1	Assembly Body	1	Hi-POM 膠樽 本圖所有零件均須

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 PRODUCTION DRAWING

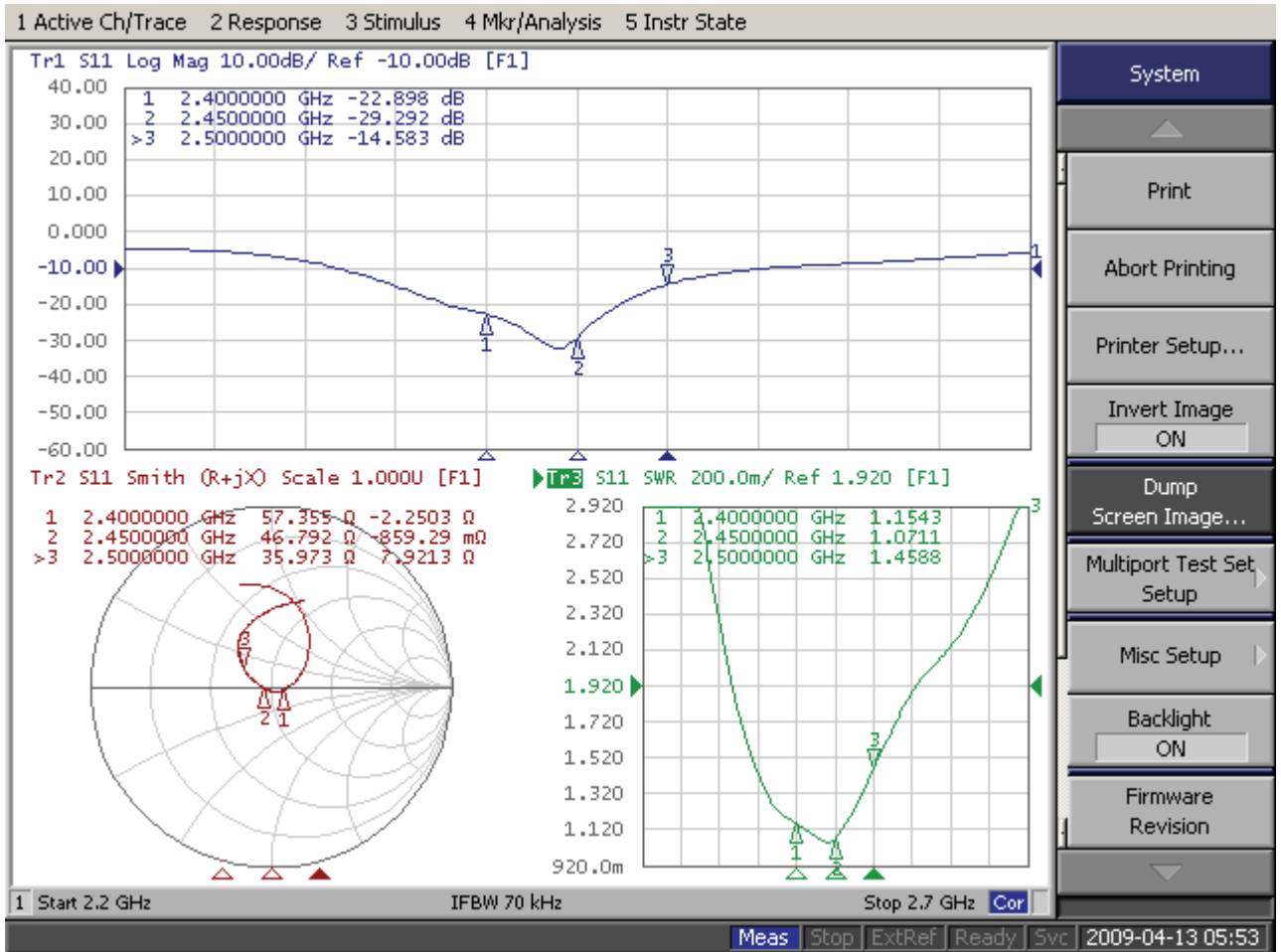
APPROVED	CHECKED	DRAWING	REV	UNIT	FILE
5.0	3.0	0.5	X1	mm	1/1

CUSTOMER:
 PART NO:
 PART NAME: SMA Plug Reverse Straight For RG-178
 W.Y P/NO: 100-2001266-AZ

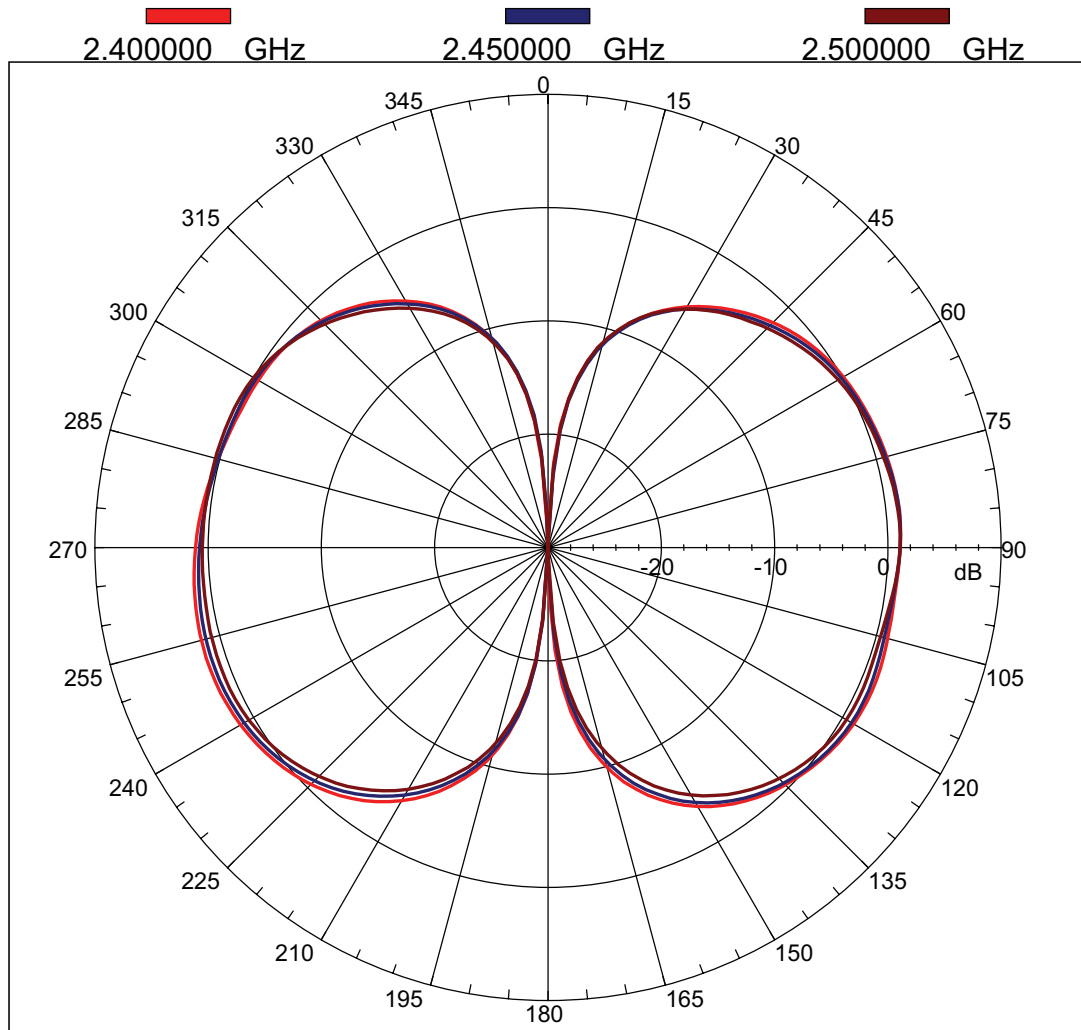
CUSTOMER'S SIGNATURE

RF Antenna Assembly

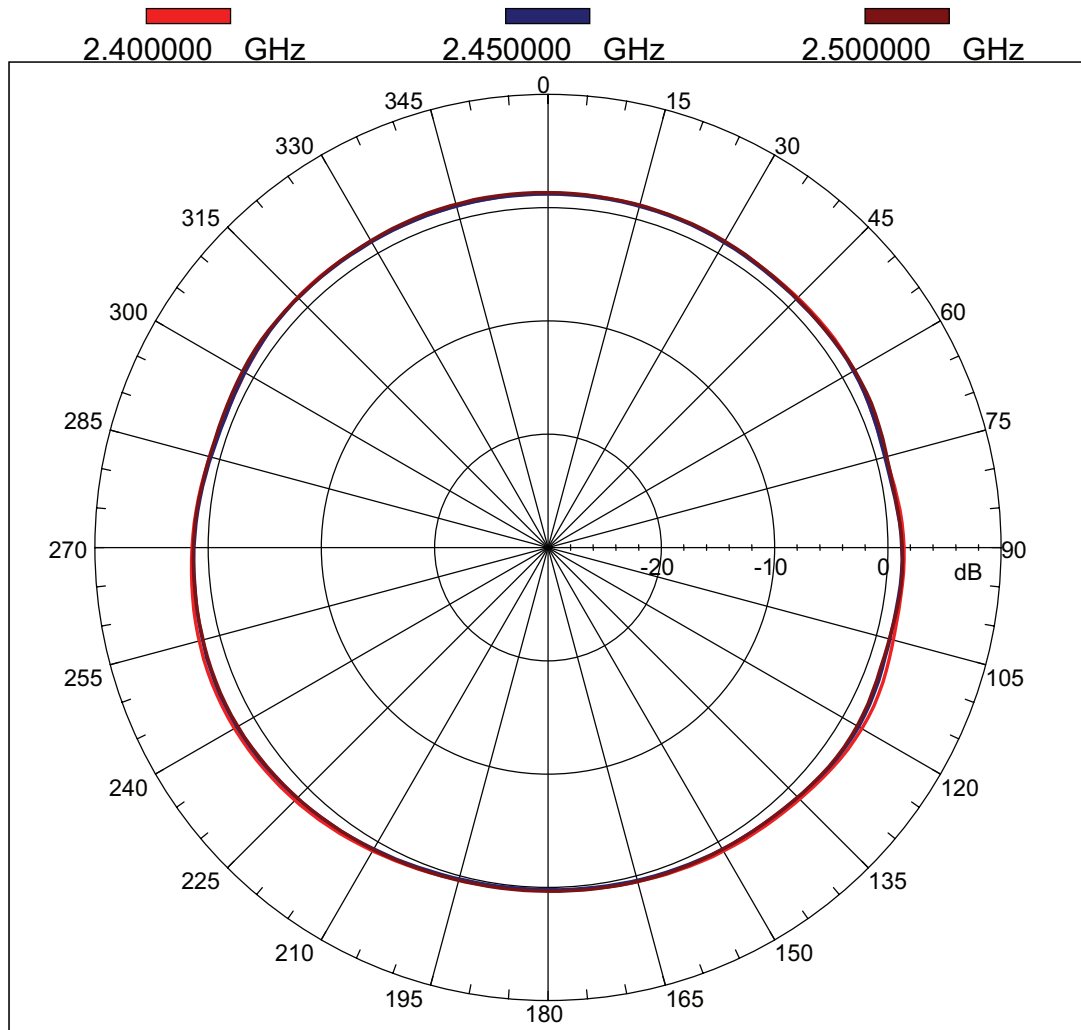
P/No.C381-510150-A SSR-91019 Spec:2.4~2.5GHz



Far-field amplitude of C381-510150-A SSR-91019 E H-PLANE.nsi



Far-field amplitude of C381-510150-A SSR-91019 V H-PLANE.nsi

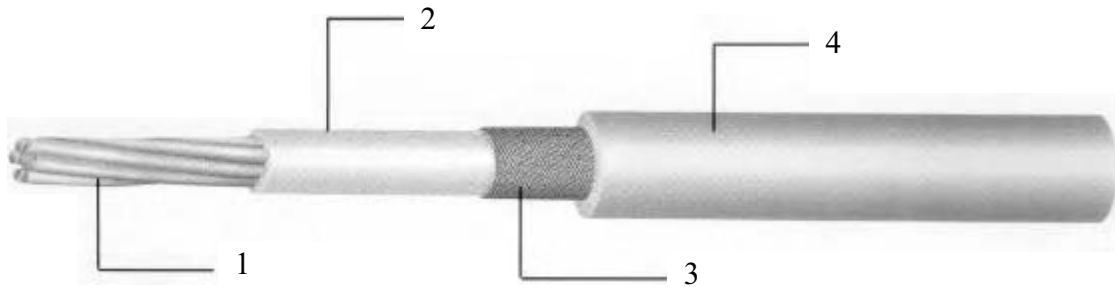


RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	1 / 2
PRODUCT STANDARD		ISSUED	16. Oct. 2003
		REVISED	

I - Scope

This specification presents a FEP insulated high-frequency coaxial cable AWG 30, 1.8 mm O.D. for internal wiring of electronic equipment, such as Computer / Notebook with wireless communication systems.

II - Construction



Item		Unit	Details
1. Inner Conductor	Material	—	CP-AG
	Composition	No./mm	AWG 30 or 7 ×0.1
	Dia. (approx.)	mm	0.305
2. Dielectric	Material	—	Extruded FEP
	Nom. O.D.	mm	0.84 ± 0.05
	Color	—	Natural
3. Outer Conductor	Material	—	Silver coated copper
	Composition	—	Braided (16 / 3 / 0.1)
	Dia. (approx)	mm	1.29 ±0.01
4. Jacket	Material	—	Extruded FEP
	Dia.	mm	1.80 ±0.1
	Color	—	Standard color is Light Orange

Note :	MADE BY	
	APPROVALS	

RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	2 / 2
PRODUCT STANDARD		ISSUED	16. Oct. 2003
		REVISED	

III – Characteristics

Item	Unit	Specified Value	Note
Temperature Rating	°C	-55 ~ +200	
Voltage Lasting	V	1000	
Dielectric strength	—	Dielectric core: No breakdown at AC 3 kv for 0.2 sec.	Spark test
		Jacket: No breakdown at AC 3 kv for 0.2 sec.	Spark test
Characteristic Impedance	Ω	50 ± 2	TDR method
Capacitance	pF / m	29.4	at 1 kHz
Attenuation. (Max.)	dB / 30m	52.0	1.0 GHz
		94.0	3.0 GHz
		-	5.0 GHz
		16.0	100.0 GHz
		33.0	400.0 GHz
Approx. Weight	g / m	7.68	

Note :	MADE BY	
	APPROVALS	



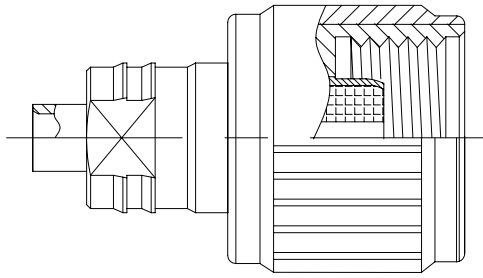
譚裕實業股份有限公司

WHA YU INDUSTRIAL CO., LTD

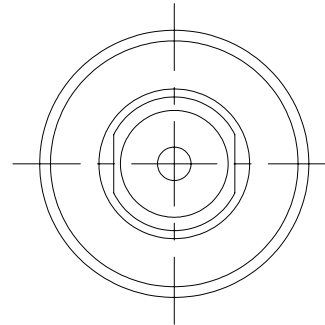
Connector 材質證明書

譚裕料號 Whayu P/N	100-2001266-AZ	產品名稱 Product Name	Big SMA Straight Plug Reverse For RG-178
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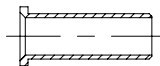
結構圖面



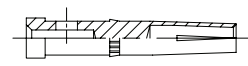
1. Assembly Body



2. Dielectric



3. Ferrule



4 Pin

材質成份								表面處理
1	Body	Brass	Cu	Pb	Fe	Fe+Sn	Zn	POM White
2	Dielectric	Teflon	PTFE					N/A
3	Ferrule	Brass	Cu	Pb	Fe	Fe+Sn	Zn	Plated Nickel >80 μ"
4	Pin	Brass	Cu	Pb	Fe	Fe+Sn	Zn	Plated Gold 5 μ"

Remark :

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