



WHA YU INDUSTRIAL CO., LTD. (HEAD OFFICE)
TAI HWA ELECTRONIC CO., LTD.(CHINA)
SHANGHAI HUA YU ELECTRONIC CO., LTD.(CHINA)
AEON TECH CO., LTD. (CHINA)

SPECIFICATION FOR APPROVAL

CUSTOMER: 中磊科技股份有限公司

PART NAME: RF Antenna Assembly

PART NO.:

REVISION:

W. Y. P/NO.: C147-510087-A

REV.: X1

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
APPROVED BY :	<i>Winston</i>	
DATE :	<i>5/21/03</i>	

WHA YU GROUP

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

譚裕實業股份有限公司

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台權電業製品廠

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Address:3586,Wai Qing Song Road, Qing Pu County, Shanghai China

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SU ZHOU 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

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RF Antenna Cable Assembly

Specification

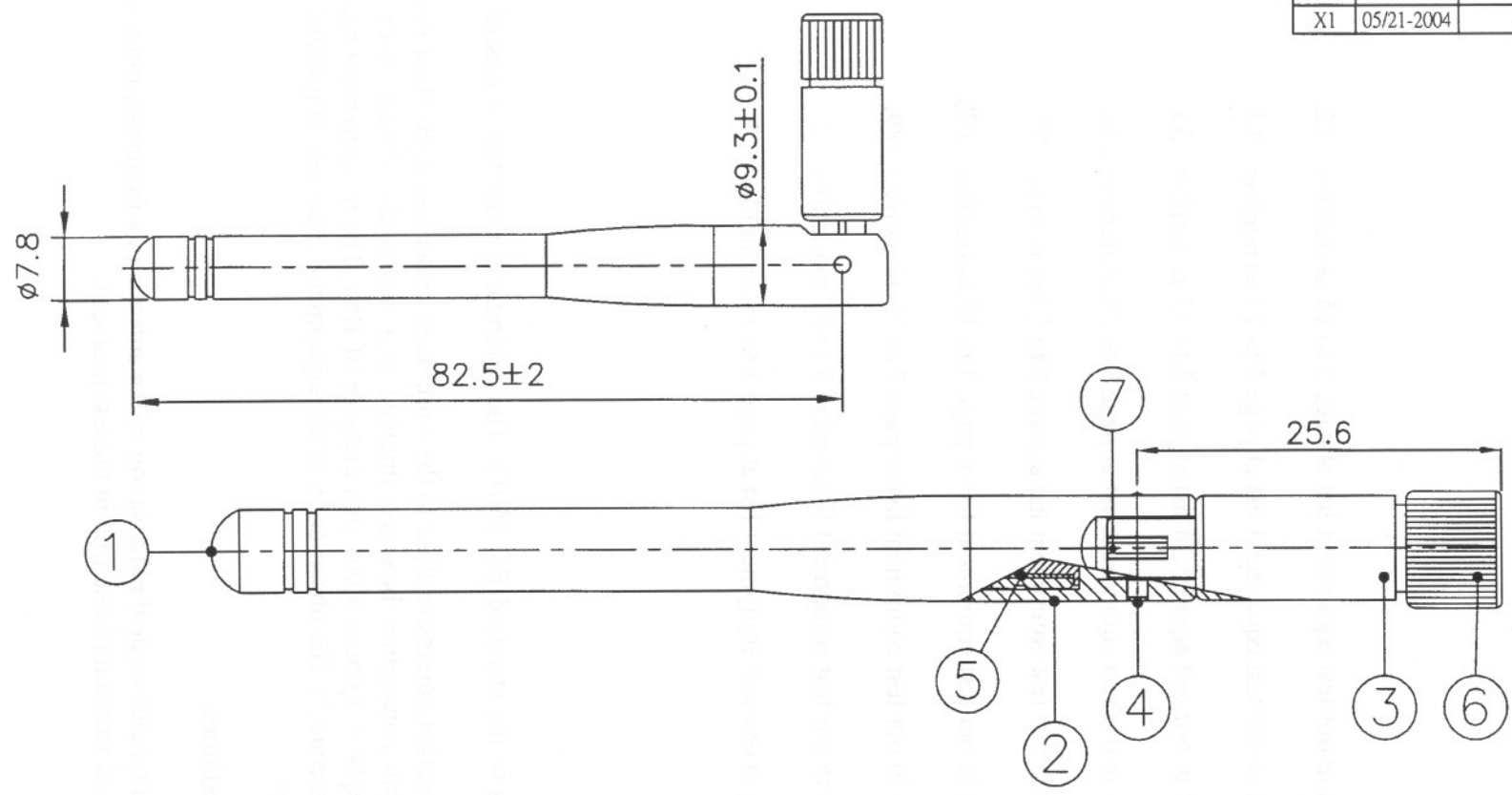
1. Electrical Properties :

- 1.1 Frequency Rang..... 2.4GHz ~ 2.5GHz
- 1.2 Impedance 50Ω Nominal
- 1.3 VSWR 1.92 Max.
- 1.4 Return Loss..... -10dB Maximum
- 1.5 Electrical Wave..... $1/2 \lambda$ Diople
- 1.6 Gain..... 1.8 dBi
- 1.7 Admitted Power..... 1W

2. Physical Properties :


- 2.1 Cable..... RG-178 Coaxial Cable
- 2.2 Antenna Cover..... TPE
- 2.3 Antenna Base..... PC
- 2.4 Operating Temp. -20°C ~ +65°C
- 2.5 Storage Temp. -30°C ~ +75°C
- 2.6 Color D.U PONT LS033
- 2.7 Connector SMA Plug Reverse

REV	DATE	DESCRIPTION
X1	05/21-2004	New Issue



NO	DESCRIPTION	QTY	REMARK
7	Cable	RG-178 , Translucent Brown ; 50 Ω	1
6	Connector	SMA Straight Plug/Reverse (Black)	1
5	Ground Tube	Brass , Ni plated	1
4	Rivet	Brass , Plated Ni	2
3	Antenna Base	PC ; Color:D.U PONT LS033	1
2	Antenna Base	PC ; Color:D.U PONT LS033	1
1	Antenna Cover	TPE ; Color: D.U PONT LS033	1

CUSTOMER'S SINGATURE	XX. ±5	APPROVED	CUSTOMER: 中磊科技股份有限公司
	X. ±1.0	<i>Wissfous/L1</i>	
	.X ±0.1	CHECKED	
	.XX ±0.01	<i>[Signature]</i>	
	.XXX ±0.005	DRAWING	
	<i>[Signature]</i>		PART NO :
			PARTNAME: RF Antenna Cable Assembly
			W.Y P/NO : C147-510087-A
			REV UNIT FILE :
			X1 m/m SHEET : 1/1



Wha Yu
INDUSTRIAL CO.,LTD.
譚裕實業股份有限公司

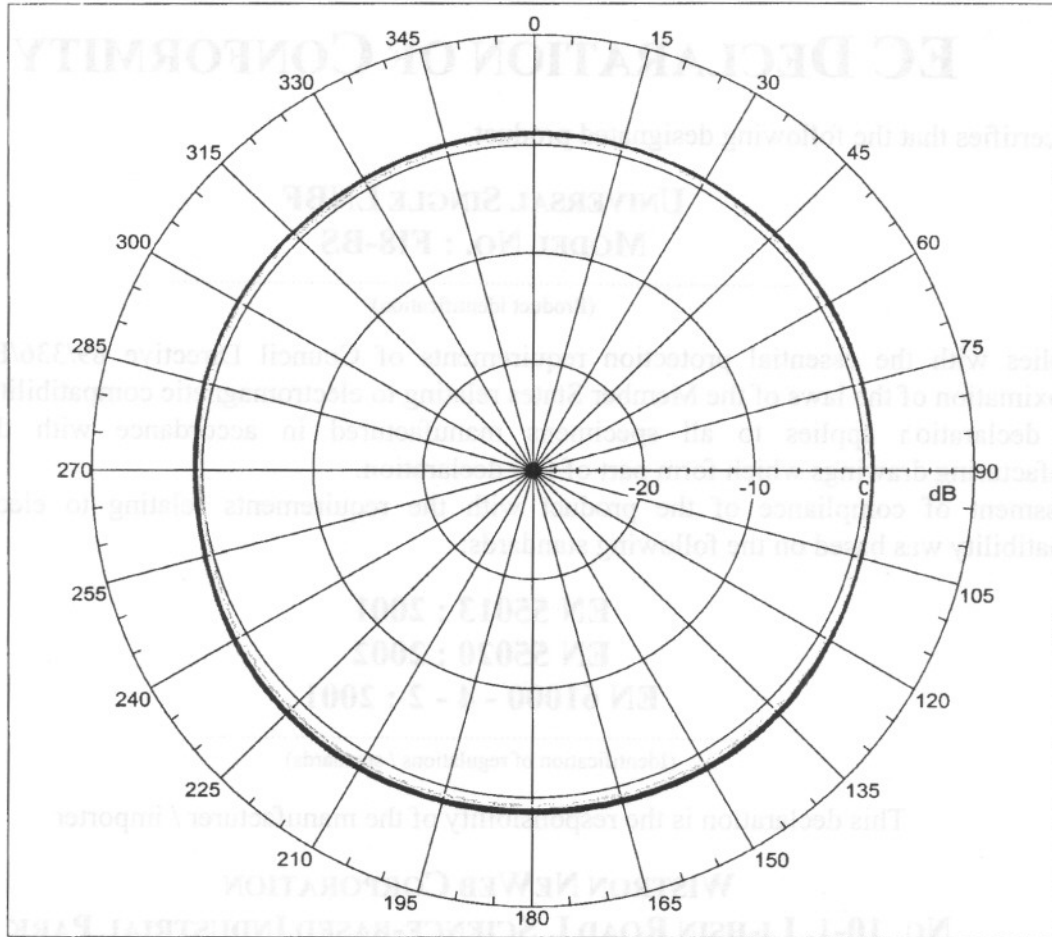
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華裕實業股份有限公司
WHA YU INDUSTRIAL CO., LTD

Far-field amplitude of C147-510087-A H.nsi

2.4GHz 2.45GHz 2.5GHz



THE DOC REPORT IS CONNECTED WITH TEST REPORT NUMBER: W0438405-5104-E-11

TEST LABORATORY

MANUFACTURER \ IMPORTER

This is the result of test, that was carried out from the submitted specimens of a product in conformity with the specification of the respective standards. The certificate holder has the right to fix the CE mark for EMC on the product complying with the respective standards.

May 16, 2004

5/21/2004

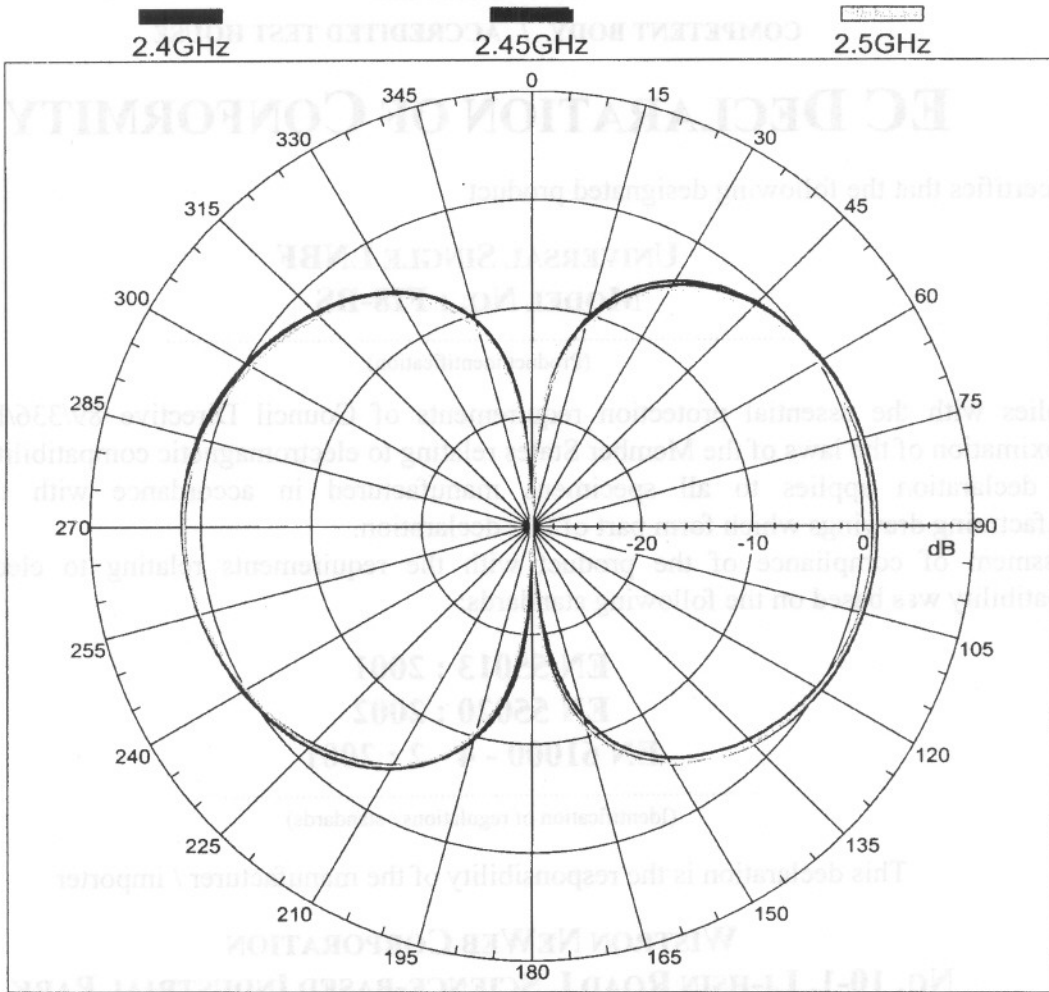
Dr. G. G. G.
(Company Stamp)

(Company Stamp)



謹裕實業股份有限公司
WHA YU INDUSTRIAL CO., LTD

Far-field amplitude of C147-510087-A E.nsi



HSINCHU 300, TAIWAN, R.O.C.

(Name / Address)



THIS DOC IS ONLY VALID IN CONNECTION WITH TEST REPORT NUMBER: W6M120402-2104-E-11

TEST LABORATORY

MANUFACTURER/IMPORTER

EMC on the product complying with the inspection sample
The certificate holder has the right to fix the CE mark for
the production of the respective standards.
submitted type sample of a product in conformity with
This is the result of test that was carried out from the

May 06, 2004

(Date)

[Signature]

(Company stamp)

5/21/2004

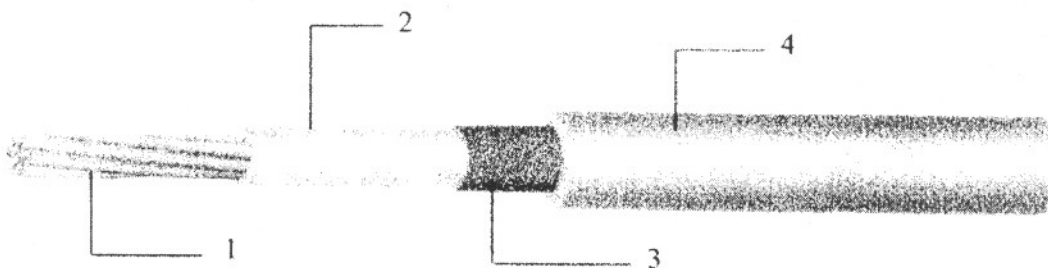
(Company stamp)

RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	1 / 2
PRODUCT STANDARD		ISSUED	21. Oct. 2003
		REVISED	

I - Scope

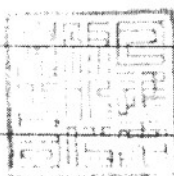
This specification presents a FEP insulated high-frequency coaxial cable AWG 30, 1.8 mm O.D. for internal wiring of electronic equipment, such as Computer / Notebook with wireless communication systems.

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 ± 0.07
4. Jacket	Material	— Extruded FEP
	Dia.	mm 1.80 ± 0.08
	Color	— Standard color is Light Orange

Note :



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APPROVALS

Shen Bin Chiat

Nizing Electric Co., Ltd.

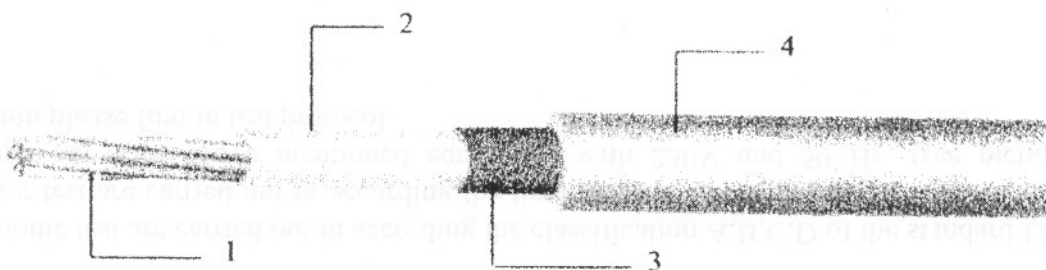
11-15 Santai Rd., Hsinchuang, Taipei Hsien, 242, Taiwan, R.O.C
 Tel: 02-29016164 Fax: 29050644 E-mail: shenbinnizing@yahoo.com.tw

RG 178 B/U	FEP INSULATED HIGH-FREQUENCY COAXIAL CABLE	PAGE	1 / 2
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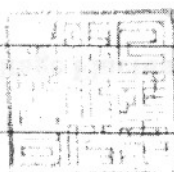
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