



Exceltek Electronics (Kunshan) Co., Ltd.  
**Specification For Approval**

Customer: 中怡数宽科技

Description: 2.4G Antenna 3.0dBi

Customer P/N: HB5A-11544-01A

EXK P/N: NONE

Customer Rev: N/A

EXK Rev: A      Date: Feb.13.2007

**Customer Approval Result**

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**Exceltek Approval**



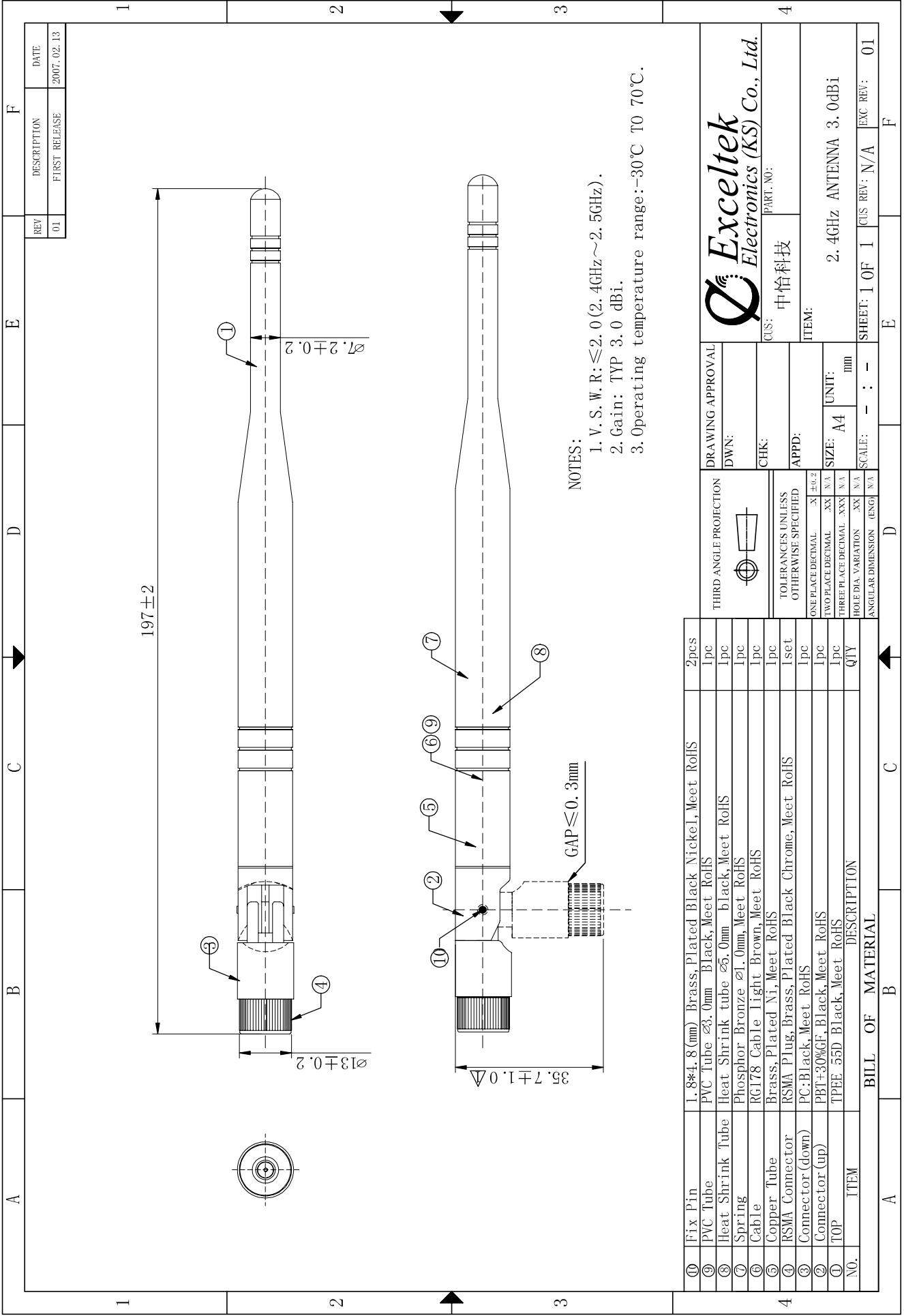
[www.gcp-exceltek.com](http://www.gcp-exceltek.com)  
[www.exceltek.com.cn](http://www.exceltek.com.cn)



**SYSTEM CERTIFIED**  
ISO 9001:2000 NO. 4431/0  
ISO 14001:2004 NO. 474/0

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NOTES:  
 1. V. S. W. R: ≤ 2.0 (2.4GHz ~ 2.5GHz).  
 2. Gain: TYP 3.0 dBi.  
 3. Operating temperature range: -30°C TO 70°C.

①	Fix Pin	1. 8*4.8(mm) Brass, Plated Black Nickel, Meet RoHS	2pcs
②	PVC Tube	PVC Tube $\varnothing 3.0$ mm Black, Meet RoHS	1pc
③	Heat Shrink Tube	Heat Shrink tube $\varnothing 5.0$ mm Black, Meet RoHS	1pc
④	Spring	Phosphor Bronze $\varnothing 1.0$ mm, Meet RoHS	1pc
⑤	Cable	RG178 Cable Light Brown, Meet RoHS	1pc
⑥	Copper Tube	Brass, Plated Ni, Meet RoHS	1pc
⑦	RSMA Connector	RSMA Plug, Brass, Plated Black Chrome, Meet RoHS	1set
⑧	Connector (down)	PC: Black, Meet RoHS	1pc
⑨	Connector (up)	PBT+30%GF, Black, Meet RoHS	1pc
⑩	TOP	TPEE 55D Black, Meet RoHS	1pc
NO.	ITEM	DESCRIPTION	QTY

**BILL OF MATERIAL**

DRAWING APPROVAL		THIRD ANGLE PROJECTION	
DWN:			
CHK:		TOLERANCES UNLESS OTHERWISE SPECIFIED	
APPD:		ONE PLACE DECIMAL	.X $\pm 0.2$
		TWO PLACE DECIMAL	.XX N/A
		THREE PLACE DECIMAL	.XXX N/A
		HOLE DIA. VARIATION	.XX N/A
		ANGULAR DIMENSION	(ENGL) N/A
D		D	
E		E	
F		F	

**Exceltek**  
 Electronics (KS) Co., Ltd.

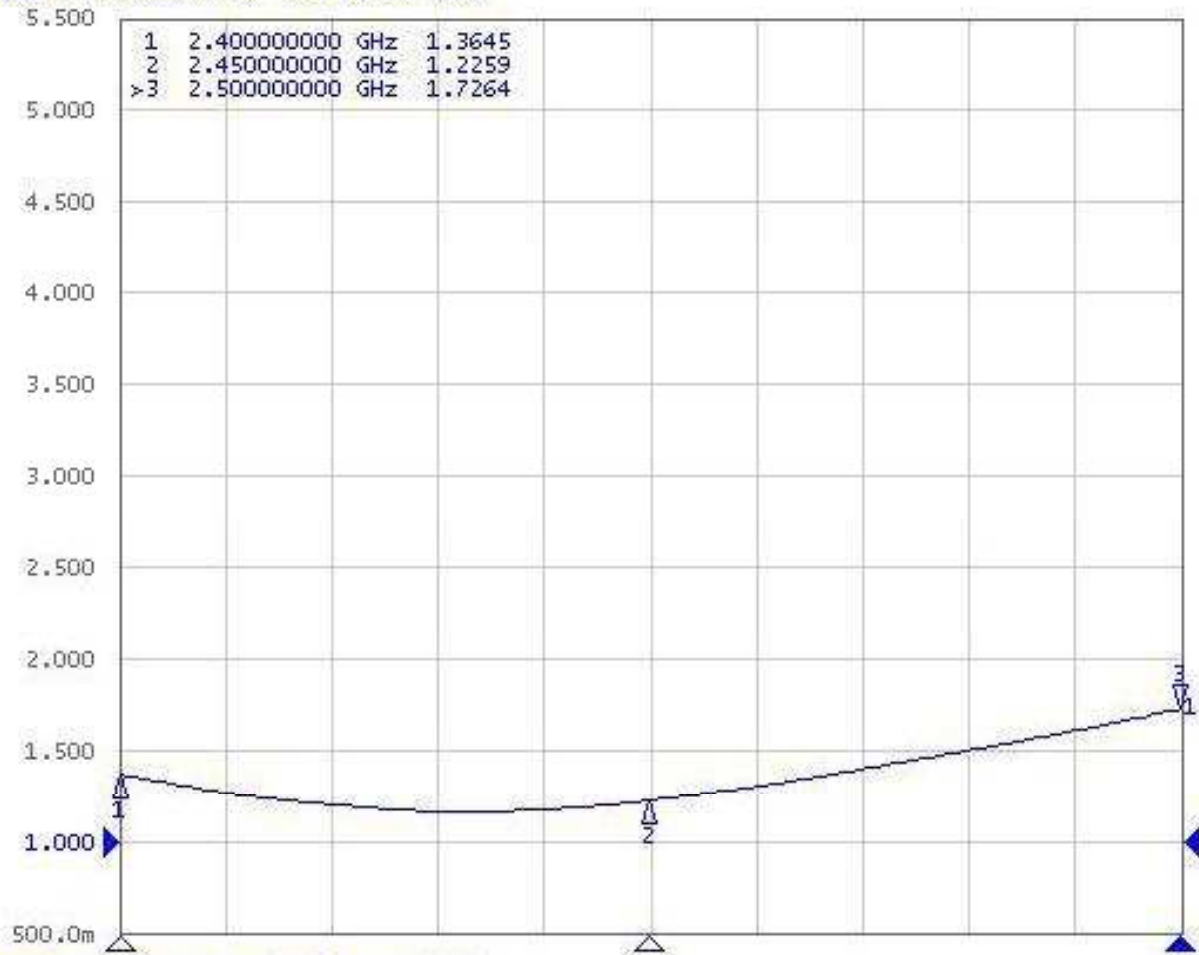
CUS: 中怡科技 PART. NO:

ITEM: 2.4GHz ANTENNA 3.0dBi

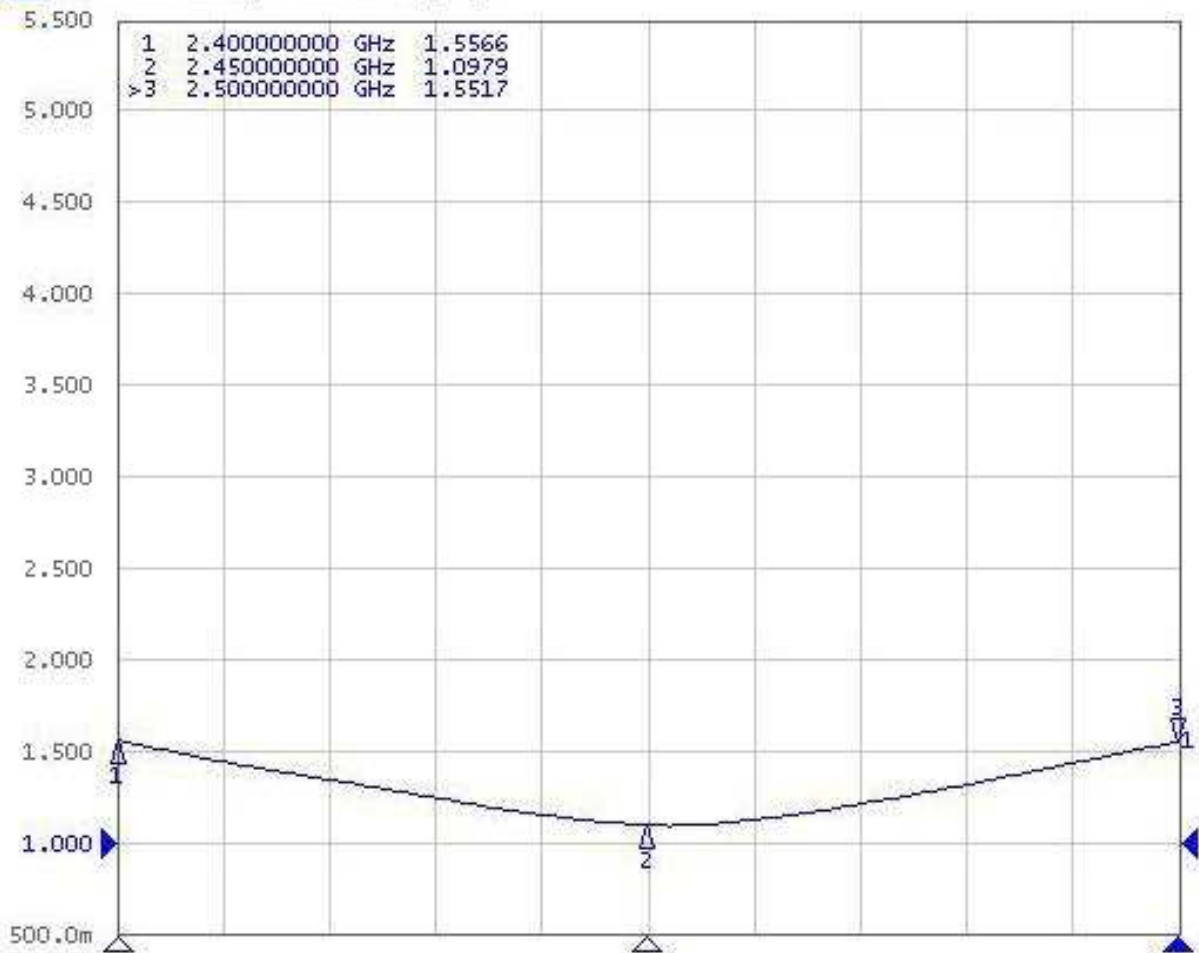
SCALE: - : -

SHEET: 1 OF 1 CUS REV: N/A EXC REV: 01

► [F1] S11 SWR 500.0m/ Ref 1.000 [F1]



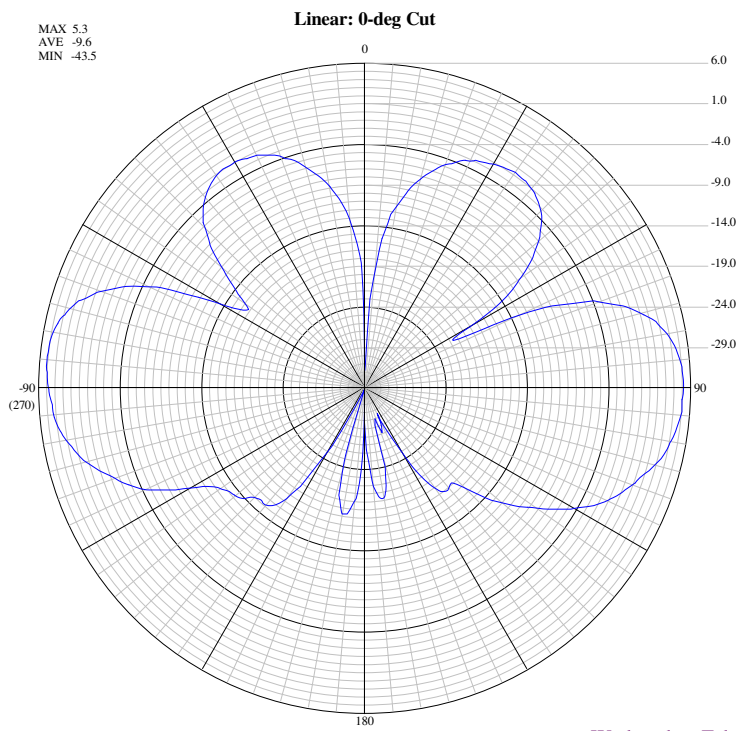
► [F1] S11 SWR 500.0m/ Ref 1.000 [F1]





# Scanner System

Far Field Patterns  
Frequency: 2.4500

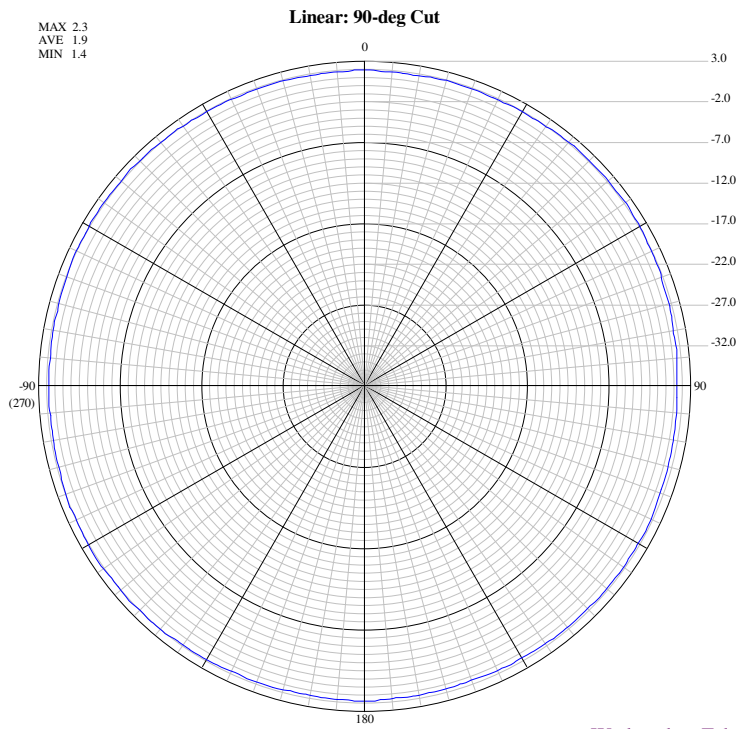


Wednesday, February 14, 2007 08:49:32:AM  
D:\data\1444DE.DF1



# Scanner System

Far Field Patterns  
Frequency: 2.4500



Wednesday, February 14, 2007 08:51:28:AM  
D:\data\1444D.DF1



GC Protronics Inc.  
Exceltek Electronics Co., Ltd.  
良特电子有限公司

## Declaration of RoHS Conformity

To minimize the environmental impact and take more responsibility to the earth we live, Exceltek Electronics (KunShan) Co., Ltd. hereby confirms that the following product series comply with Directive 2002/95/EC of the European Parliament - RoHS (Restriction of Hazardous Substances).

### Content of Compliance

Lead	<0.1 % by weight (1000 ppm)
Mercury	<0.1 % by weight (1000 ppm)
Cadmium	<0.01 % by weight (100 ppm)
Hexavalent Chrome (Cr <sup>+6</sup> )	<0.1 % by weight (1000 ppm)
PBBs	<0.1 % by weight (1000 ppm)
PBDEs	<0.1 % by weight (1000 ppm)

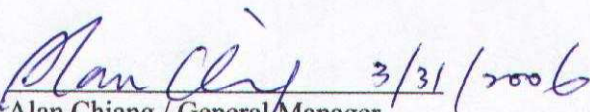
Applications of lead, mercury, cadmium and hexavalent chromium, which are exempted from the requirements of 2002/95/EC Article 4(1).

### Product Series

RF Cables, Antenna Cables, Earphone Cables, Wire harnesses, Computer Cables, Medical Cables, Connectors will be compliance to RoHS.

### Delivery

The actual delivery date for RoHS compliance products will depend on our inventory status. Please contact our sales representatives for details.

  
Alan Chiang / General Manager  
Exceltek Electronics (KunShan) Co., Ltd.



# OQS-CERTIFICATE



OQS Certification and Evaluation Ltd. awards this OQS Certificate to the following organisations:

## EXCELTEK ELECTRONICS (KUNSHAN)

CO., LTD.

No.12 Donghuan Rd. Zhangpu, Kunshan, Jiangsu, China

Activity Field: Design, manufacture, assembly & sales of connectors, cable assembly (antenna, earphone cables, wire harnesses, computer cables, medical cables, RF cables, power cables, etc.) and electronics assembly

NACE Code: 31.3.0/32.1.0

The validity of the OQS Certificate will be maintained via annual surveillance audits and three yearly renewal audits.

This OQS Certificate confirms the application and further development of an effective



## QUALITY MANAGEMENT SYSTEM

complying with the requirements of standard ISO 9001:2000 (With design)



Registration No.: 4431/0  
Date of initial issue: 29 July, 2005  
Valid until: 29 July, 2008

Vienna, 29 July, 2005

OQS Certification and Evaluation Ltd.

TR Ing. Viktor Seitschek  
President

Konrad Scheiber  
General Manager



OQS is accredited according to the Austrian Accreditation Act, Federal Law Gazette No. 401/2002 by the Bundes Fachagentur für Europäische Akkreditierung (BFAE).

OQS is accredited by the competent authority for technical accreditation to the BSI/UKAS Register of Accreditation, Government and other Management.

OQS is authorized by the CA Association of the Adriatic Coast.

For activities of regulatory bodies, please refer to the applicable regulations and services supplied in the table Law Gazette No. 103/2004.

OQS is the lead of "Center of Quality Management Certification Network".

OQS Certification and Evaluation Ltd is a member of Quality Austria Training, Certification and Evaluation Ltd.

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File E184228  
Project 96NKB1030

October 11, 1996

REPORT

ON

COMPONENT - WIRING HARNESSSES

Exceltek Electronics (HK) Ltd.  
Fotan, Sheatin, Hong Kong

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