

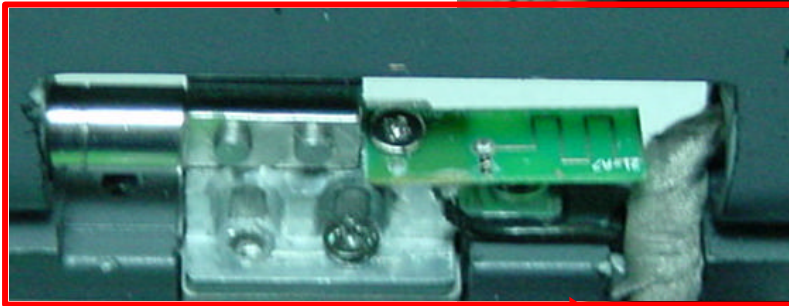
Quanta KT1,5 Antenna

Test Report

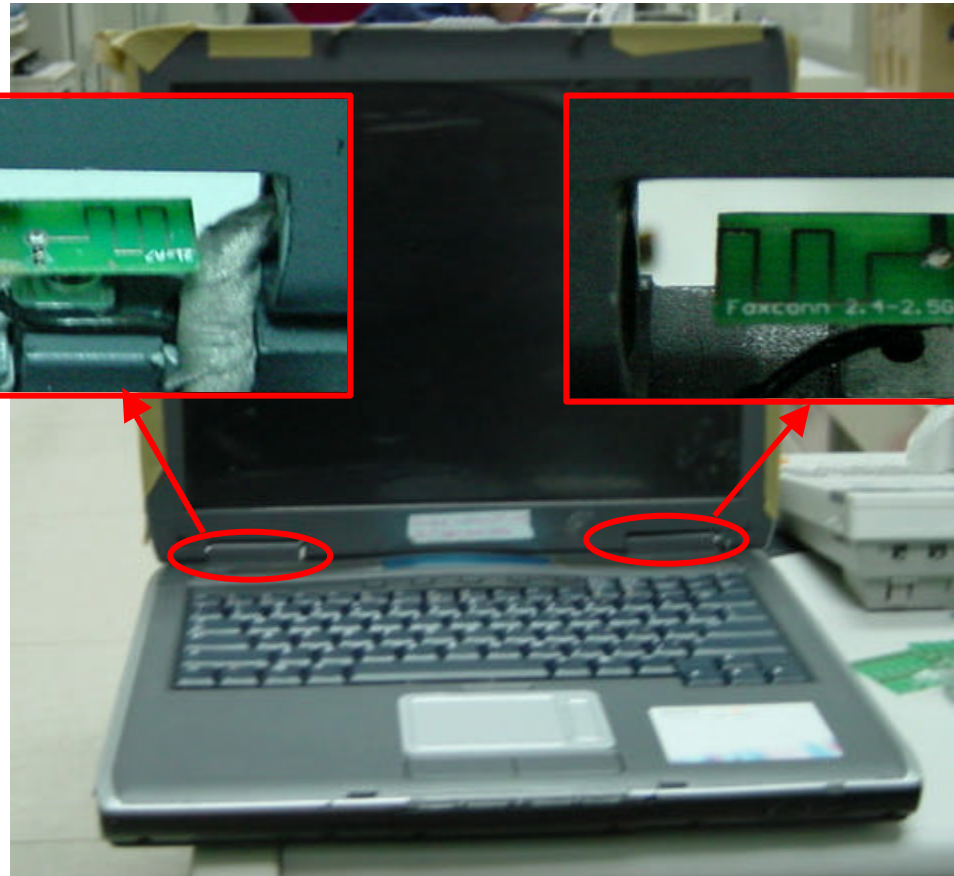
Sheng Tai

Antenna Location

Left Antenna

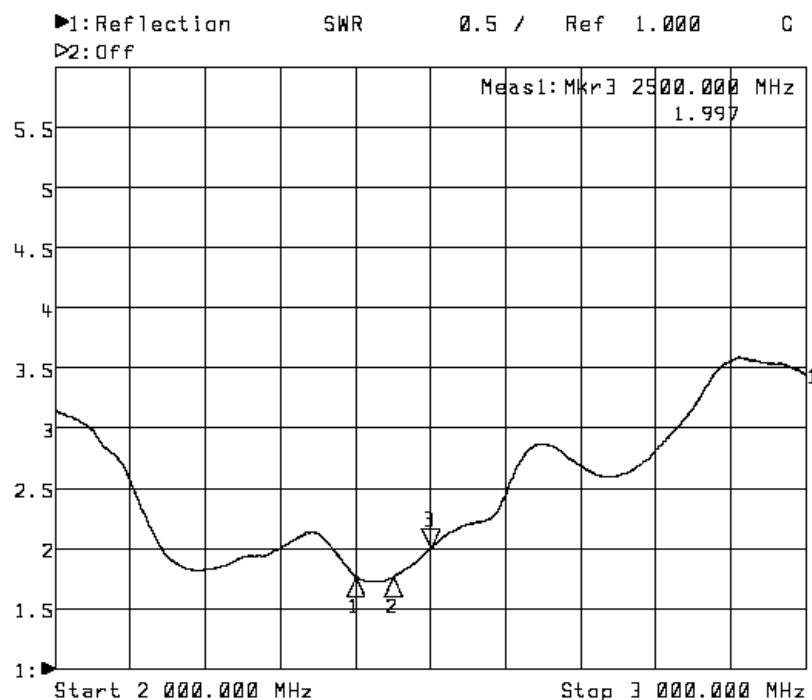


Right Antenna

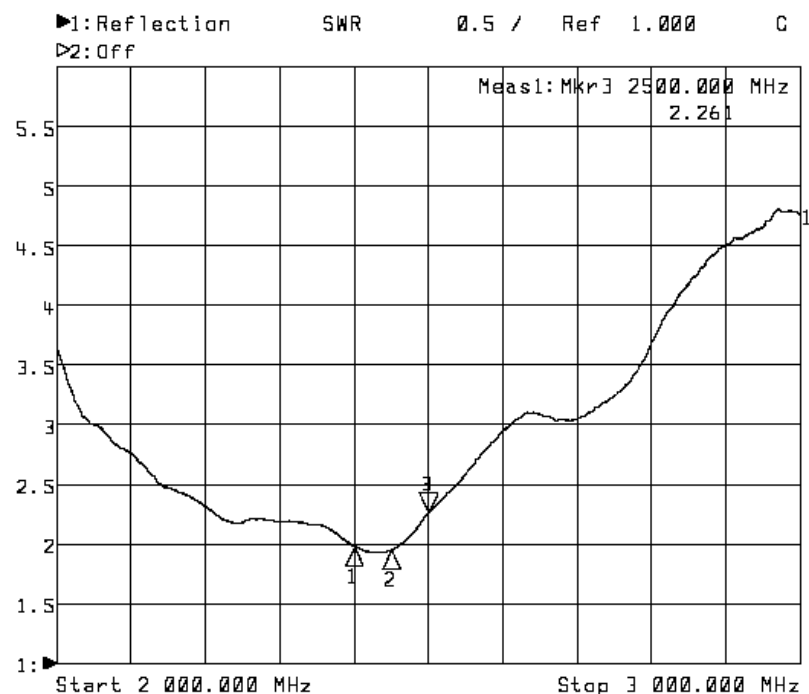


VSWR For Left 14" LCD

1. LCD Open

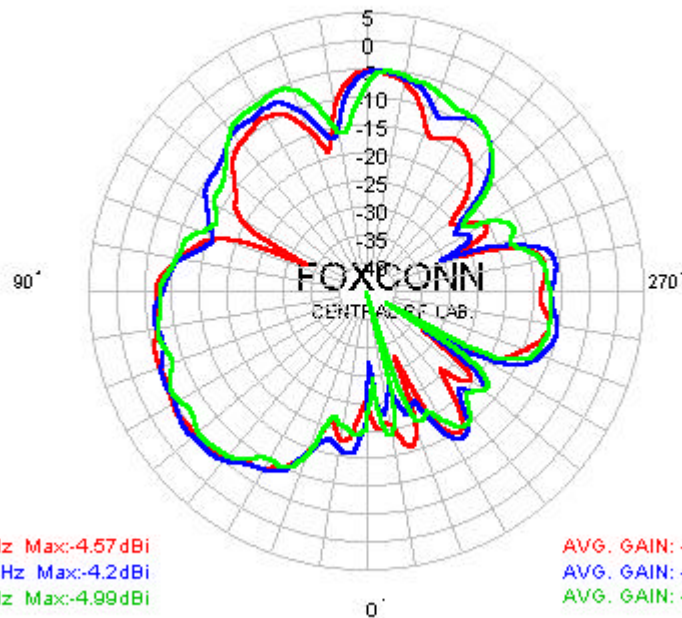


2. LCD Close

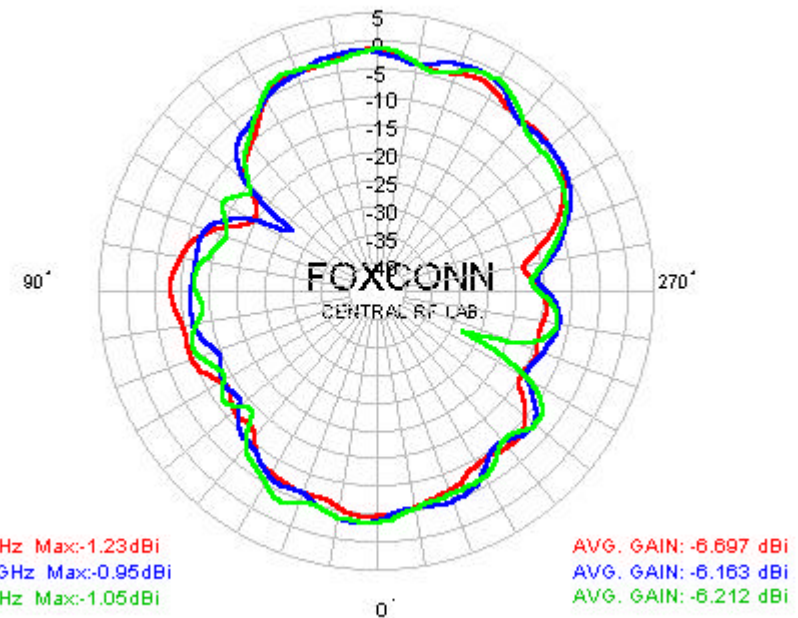


XY Plane Radiation Pattern For Left 14" LCD (Open)

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Average Gain For Left 14" LCD Antenna (Open)

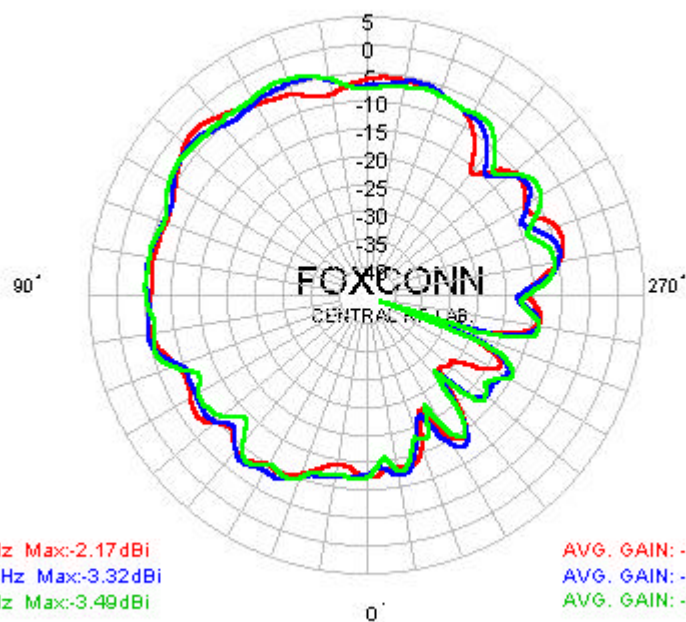
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.51	-9.77	-9.98
XY--V	-6.70	-6.16	-6.21
Total Average Gain	-5.19	-4.59	-4.69

PEAK GAIN

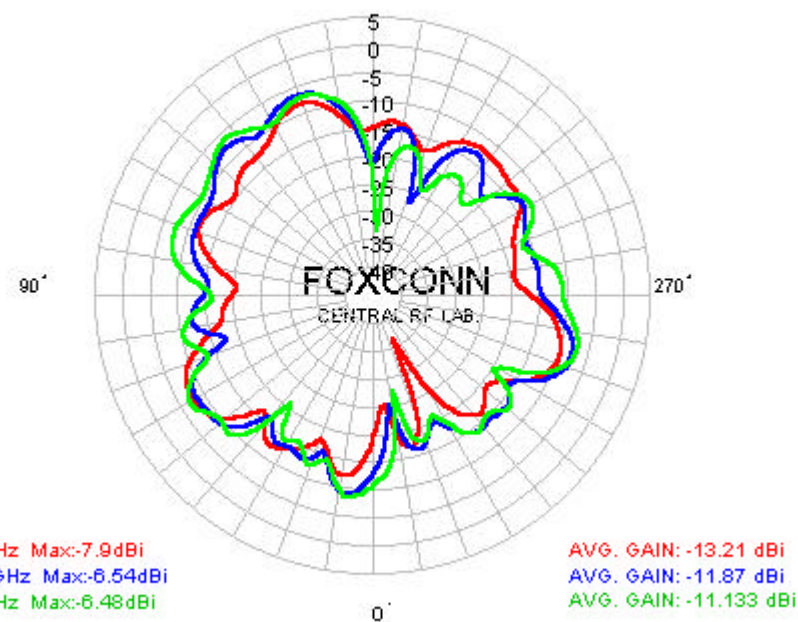
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.57	-4.20	-4.99
XY--V	-1.23	-0.95	-6.00

XY Plane Radiation Pattern For Left 14" LCD (Close)

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Average Gain For Left 14" LCD Antenna (Close)

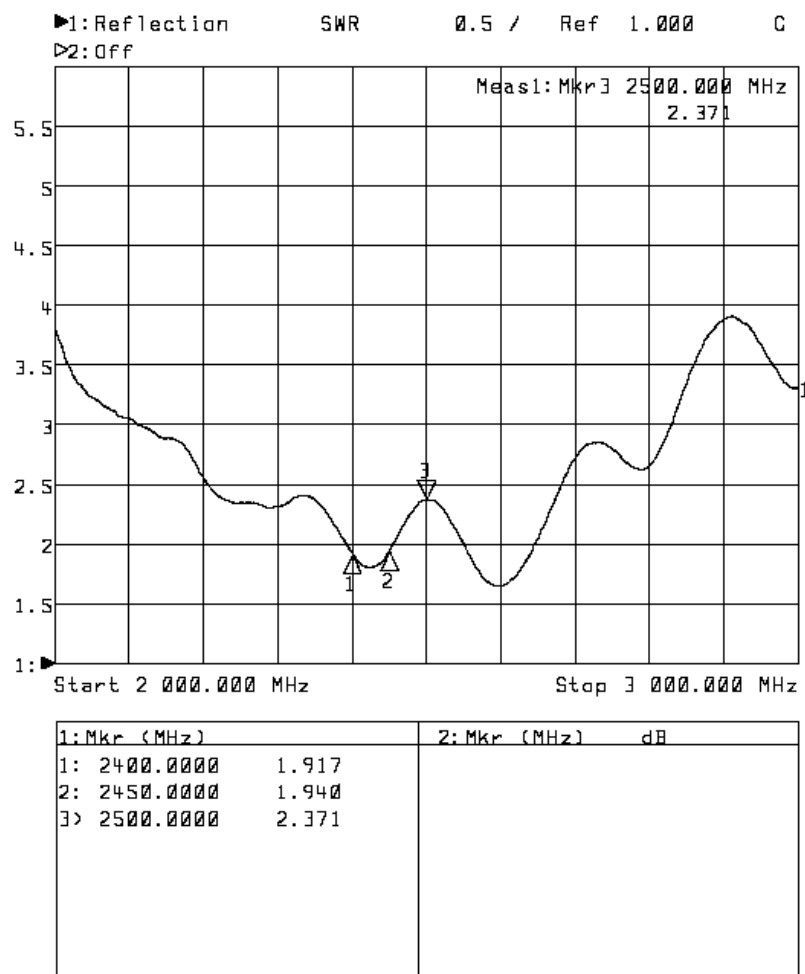
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-8.34	-8.17	-8.10
XY--V	-13.21	-11.87	-11.13
Total Average Gain	-7.11	-6.63	-6.35

PEAK GAIN

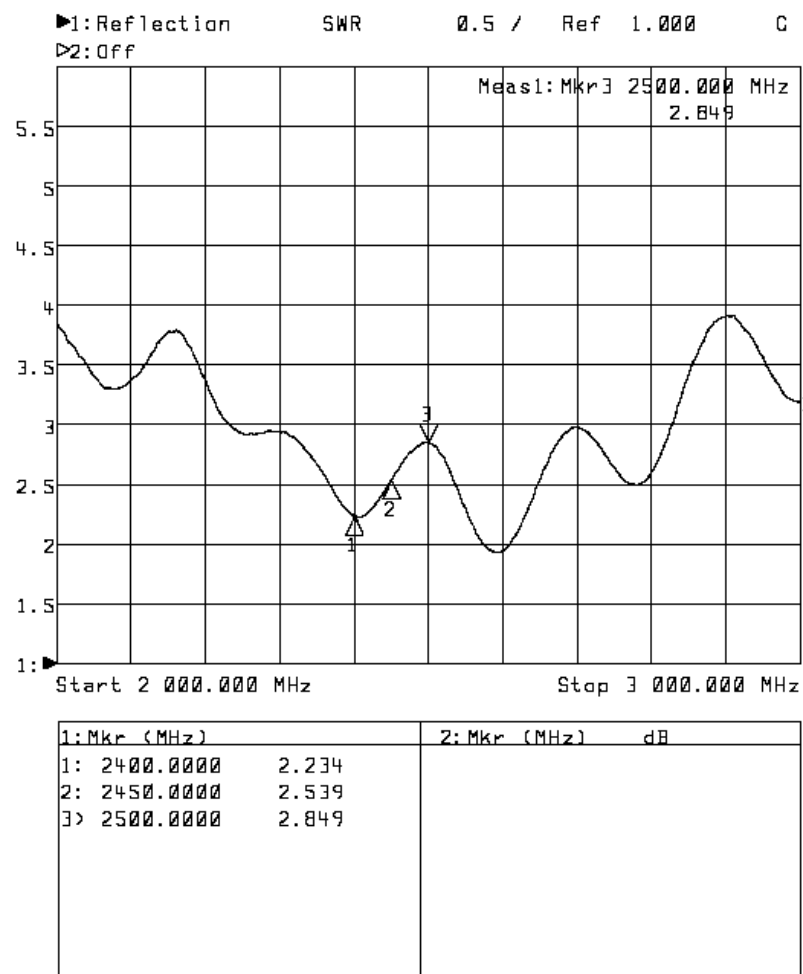
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-2.17	-3.32	-3.49
XY--V	-7.90	-6.54	-6.48

VSWR For Right 14" LCD

1. LCD Open

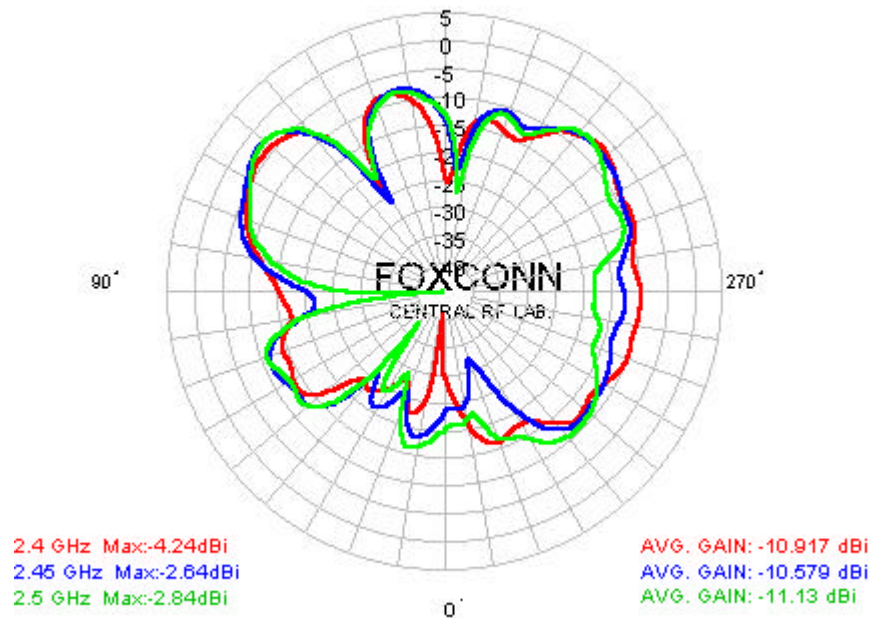


2. LCD Close

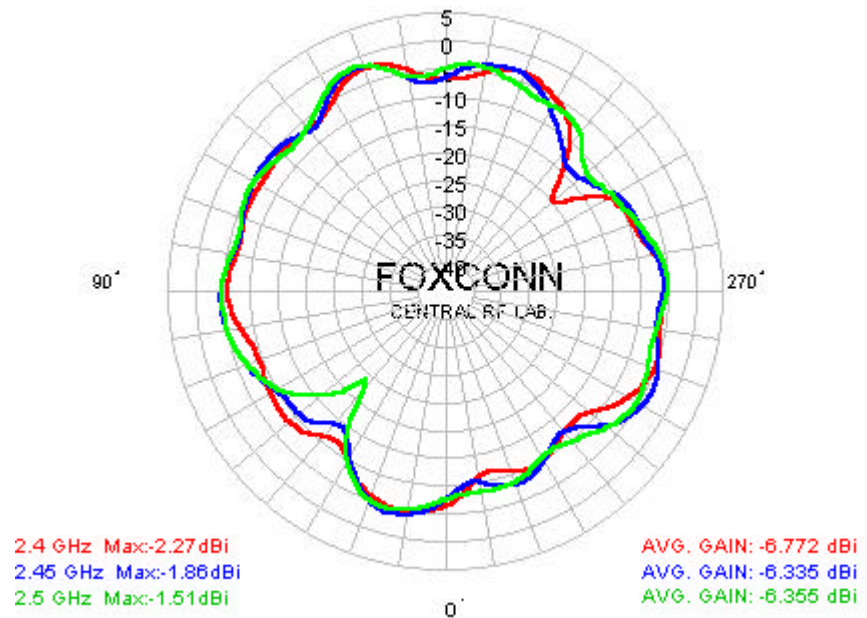


XY Plane Radiation Pattern For Right 14" LCD (Open)

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Average Gain For Right 14" LCD Antenna (Open)

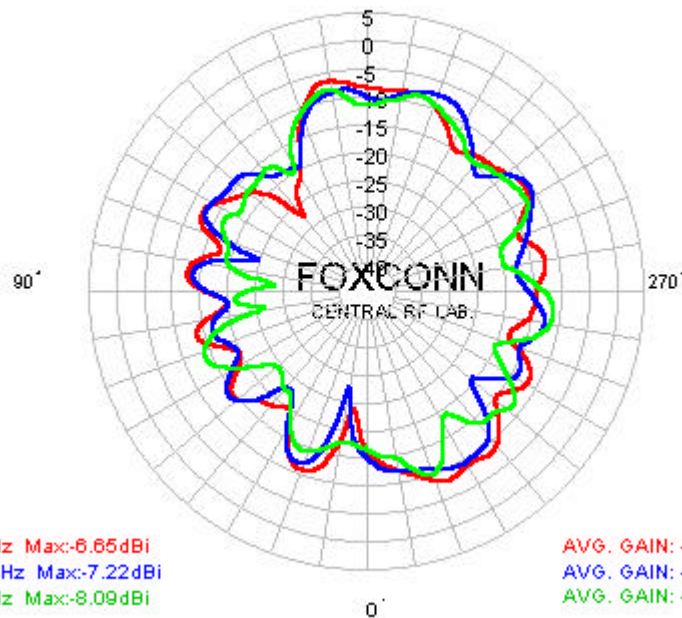
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.91	-10.57	-11.13
XY--V	-6.77	-6.33	-6.35
Total Average Gain	-5.35	-4.94	-5.10

PEAK GAIN

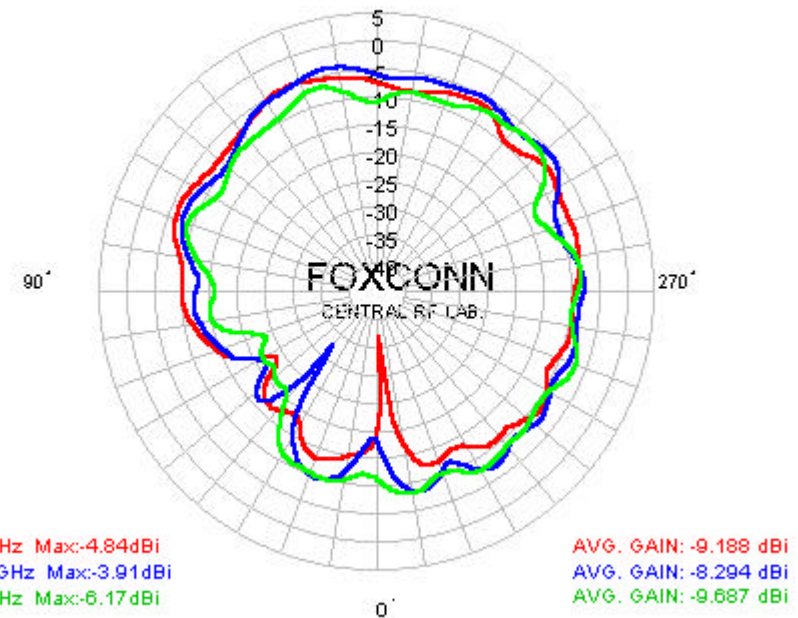
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.24	-2.64	-2.84
XY--V	-2.27	-1.86	-1.51

XY Plane Radiation Pattern For Right 14" LCD (Close)

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Average Gain For Right 14" LCD Antenna (Close)

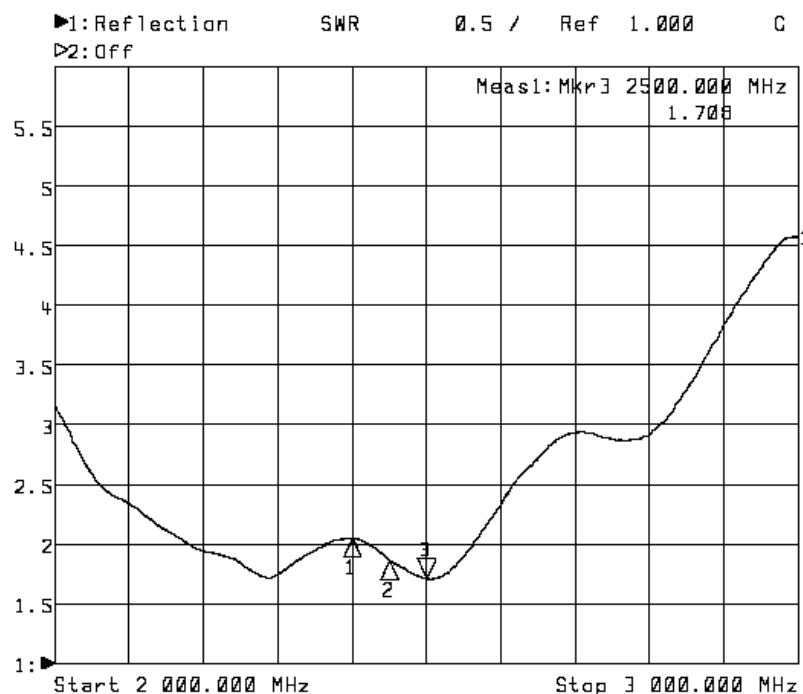
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-12.35	-12.82	-13.86
XY--V	-9.18	-8.29	-9.68
Total Average Gain	-7.47	-6.98	-8.28

PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-6.65	-7.22	-8.09
XY--V	-4.84	-3.91	-6.17

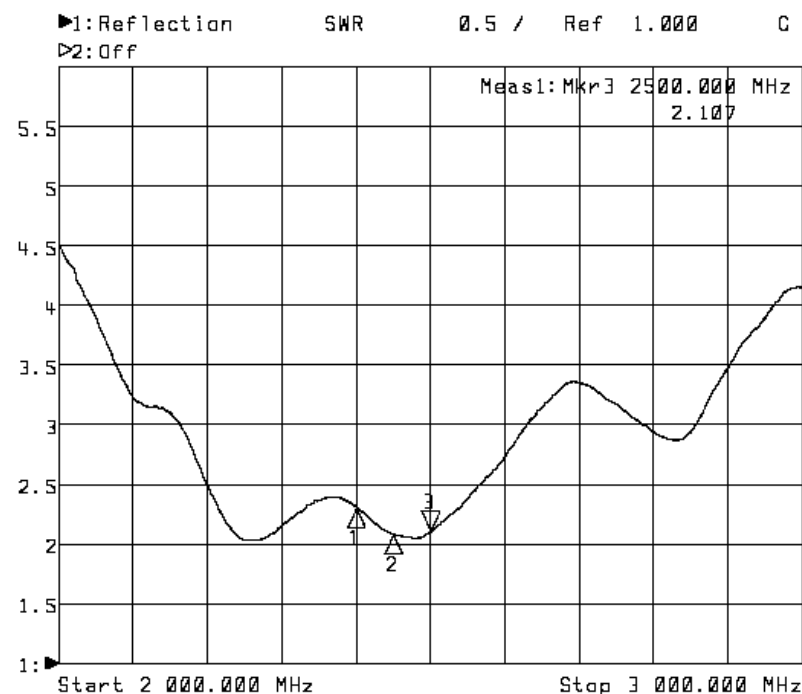
VSWR For Left 15" LCD

1. LCD Open



1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000	2.045	
2: 2450.0000	1.862	
3: 2500.0000	1.708	

2. LCD Close

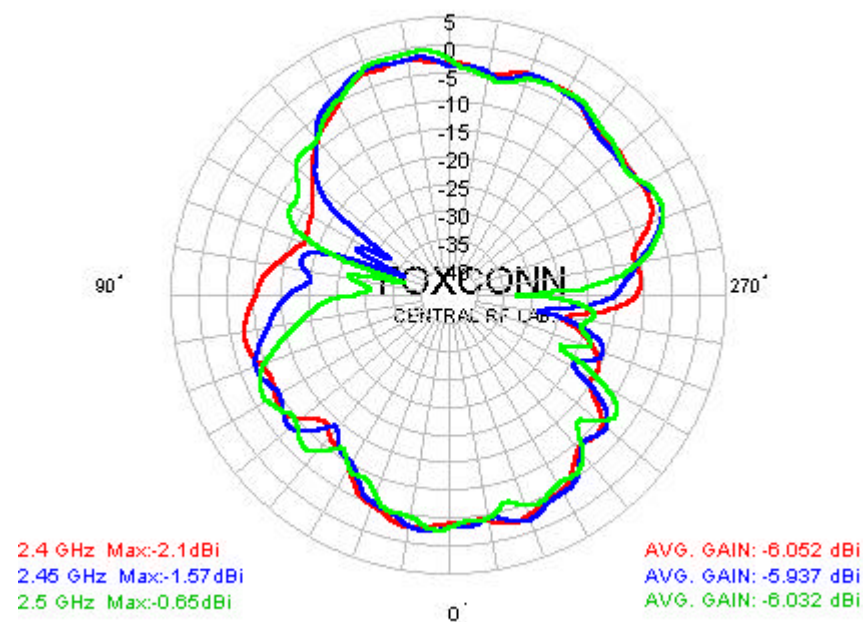
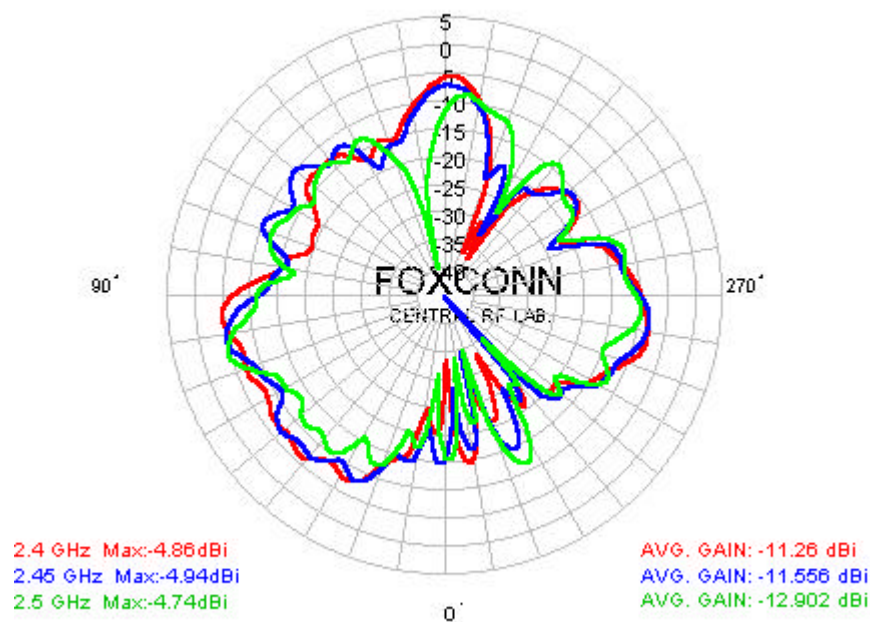


1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000	2.303	
2: 2450.0000	2.078	
3: 2500.0000	2.107	

XY Plane Radiation Pattern For Left 15" LCD (Open)

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



Average Gain For Left 15" LCD Antenna (Open)

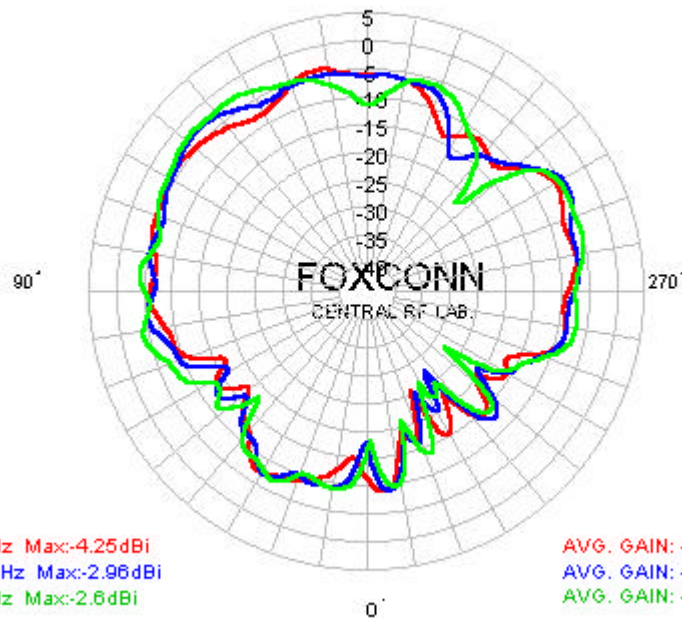
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-11.26	-11.55	-12.90
XY--V	-6.05	-5.93	-6.03
Total Average Gain	-4.91	-4.88	-5.22

PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.86	-4.94	-4.74
XY--V	-2.10	-1.57	-0.65

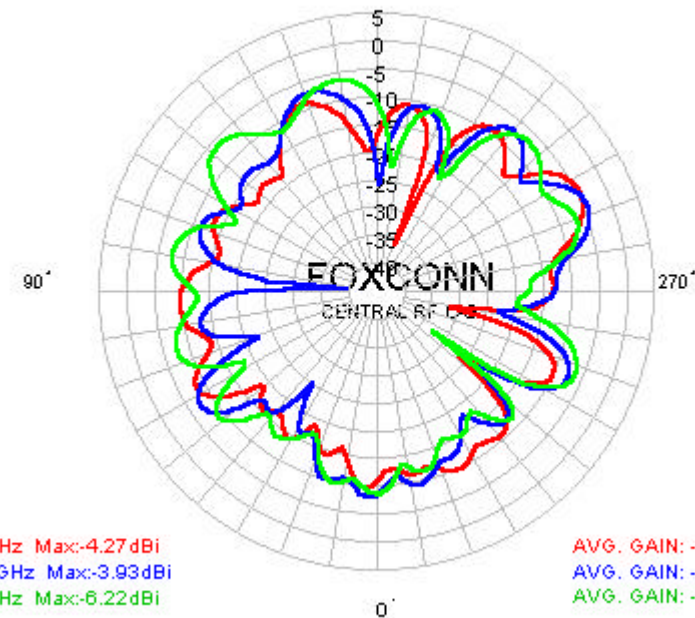
XY Plane Radiation Pattern For Left 15" LCD (Close)

HORIZONTAL POLARIZATION



AVG. GAIN: -8.355 dBi
AVG. GAIN: -7.803 dBi
AVG. GAIN: -7.234 dBi

VERTICAL POLARIZATION



AVG. GAIN: -11.557 dBi
AVG. GAIN: -10.866 dBi
AVG. GAIN: -10.151 dBi

Average Gain For Left 15" LCD Antenna (Close)

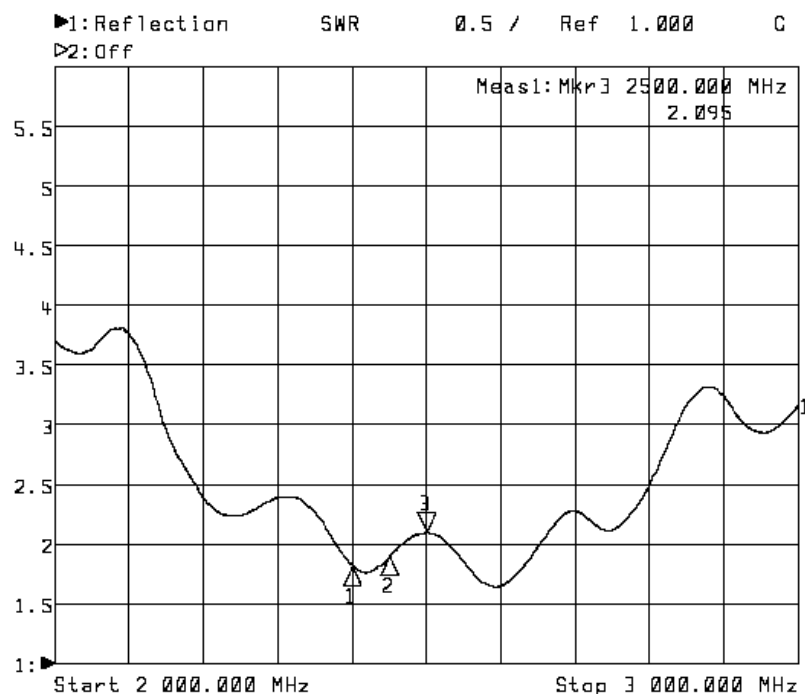
(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-8.35	-7.80	-7.23
XY--V	-11.55	-10.86	-10.15
Total Average Gain	-6.65	-6.06	-5.44

PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.25	-2.96	-2.60
XY--V	-4.27	-3.93	-6.22

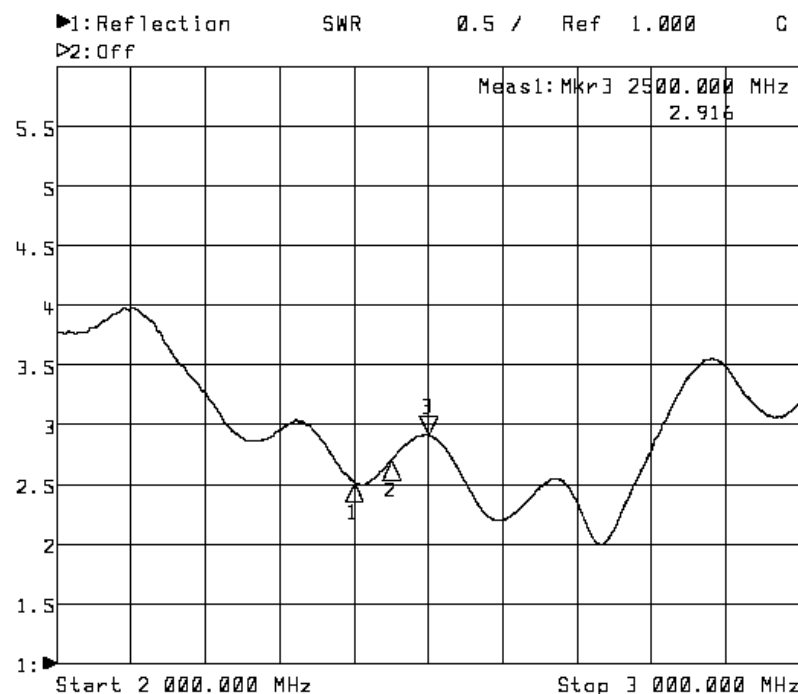
VSWR For Right 15" LCD

1. LCD Open



1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000	1.816	
2: 2450.0000	1.894	
3: 2500.0000	2.095	

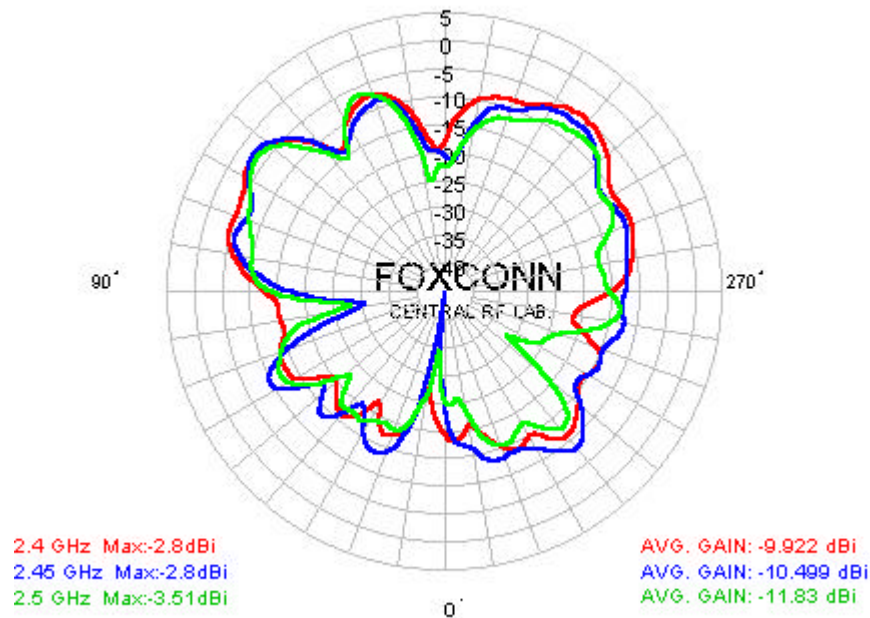
2. LCD Close



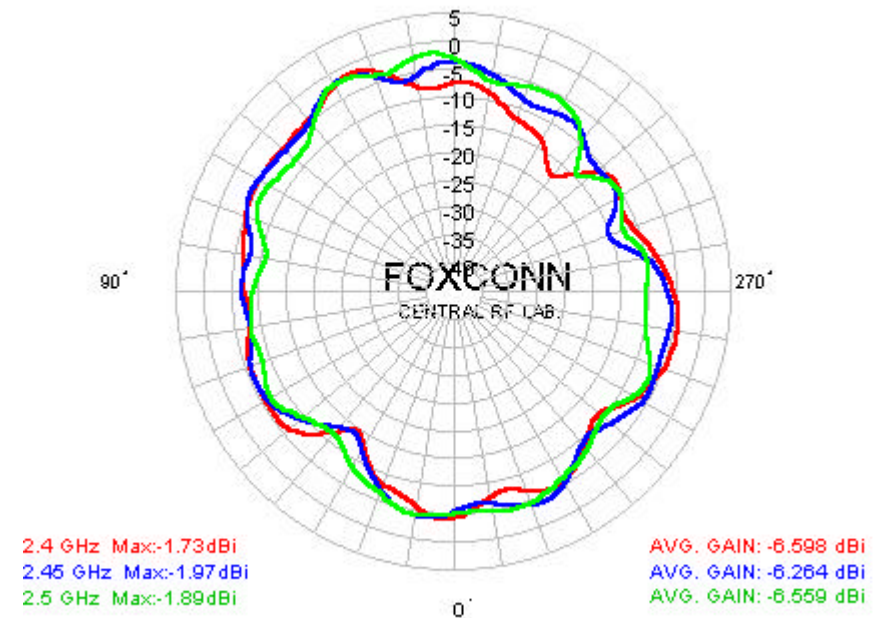
1: Mkr (MHz)	2: Mkr (MHz)	dB
1: 2400.0000	2.510	
2: 2450.0000	2.705	
3: 2500.0000	2.916	

XY Plane Radiation Pattern For Right 15" LCD (Open)

HORIZONTAL POLARIZATION



VERTICAL POLARIZATION



Average Gain For Right 15" LCD Antenna (Open)

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-9.92	-10.49	-11.83
XY--V	-6.59	-6.26	-5.55
Total Average Gain	-4.93	-4.87	-4.63

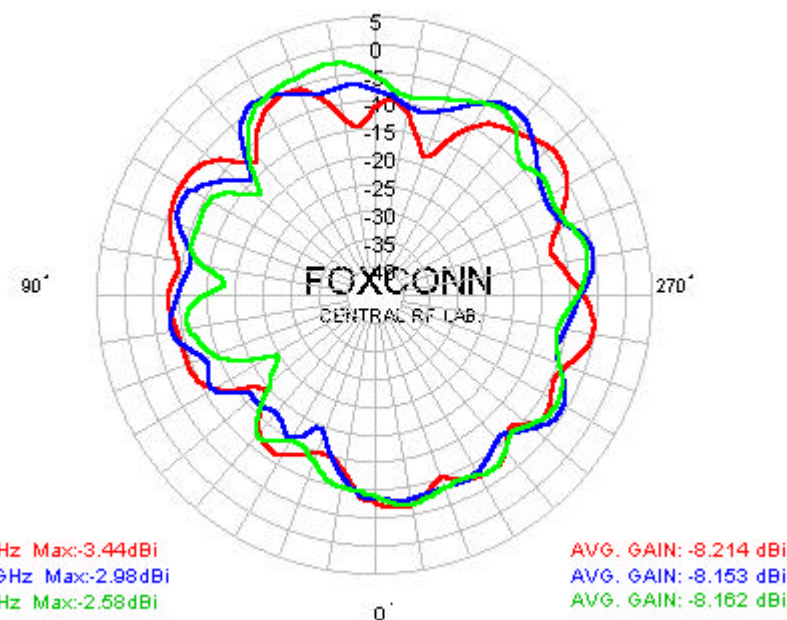
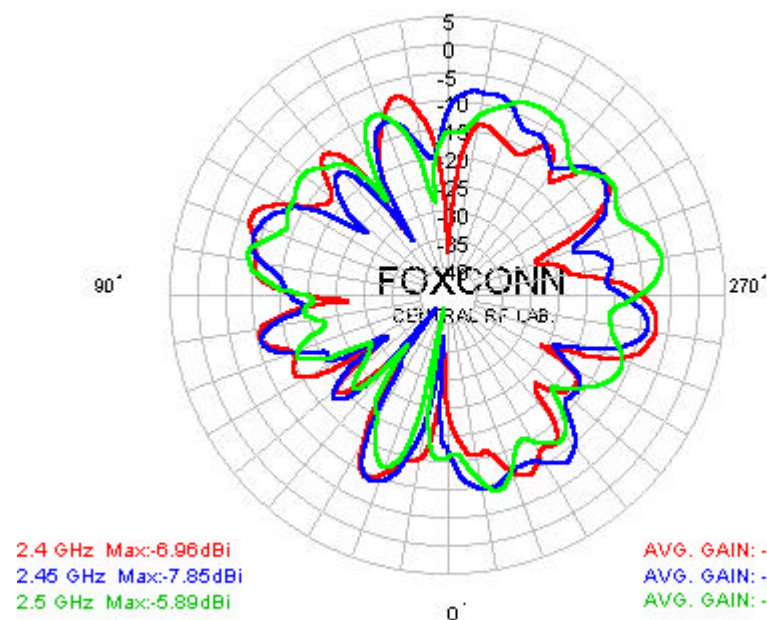
PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-2.80	-2.80	-3.51
XY--V	-1.73	-1.97	-1.89

XY Plane Radiation Pattern For Right 15" LCD (Close)

HORIZONTAL POLARIZATION

VERTICAL POLARIZATION



Average Gain For Right 15" LCD Antenna (Close)

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-12.99	-12.68	-12.15
XY--V	-8.21	-8.15	-8.16
Total Average Gain	-6.96	-6.84	-6.70

PEAK GAIN

(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-6.96	-7.85	-5.89
XY--V	-3.44	-2.98	-2.58

Summary Of Total Average Gain

14" LCD Open (Left)					15" LCD Open (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.51	-9.77	-9.98		XY-H	-11.26	-11.55	-12.90
XY--V	-6.70	-6.16	-6.21		XY--V	-6.05	-5.93	-6.03
Total Average Gain	-5.19	-4.59	-4.69		Total Average Gain	-4.91	-4.88	-5.22
14" LCD Close (Left)					15" LCD Close (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-8.34	-8.17	-8.10		XY-H	-8.35	-7.80	-7.23
XY--V	-13.21	-11.87	-11.13		XY--V	-11.55	-10.86	-10.15
Total Average Gain	-7.11	-6.63	-6.35		Total Average Gain	-6.65	-6.06	-5.44
14" LCD Open (Right)					15" LCD Open (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-10.91	-10.57	-11.13		XY-H	-9.92	-10.49	-11.83
XY--V	-6.77	-6.33	-6.35		XY--V	-6.59	-6.26	-5.55
Total Average Gain	-5.35	-4.94	-5.10		Total Average Gain	-4.93	-4.87	-4.63
14" LCD Close (Right)					15" LCD Close (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-12.35	-12.82	-13.86		XY-H	-12.99	-12.68	-12.15
XY--V	-9.18	-8.29	-9.68		XY--V	-8.21	-8.15	-8.16
Total Average Gain	-7.47	-6.98	-8.28		Total Average Gain	-6.96	-6.84	-6.70

Summary Of Peak Gain

14" LCD Open (Left)					15" LCD Open (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.57	-4.20	-4.99		XY-H	-4.86	-4.94	-4.74
XY--V	-1.23	-0.95	-6.00		XY--V	-2.10	-1.57	-0.65
14" LCD Close (Left)					15" LCD Close (Left)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-2.17	-3.32	-3.49		XY-H	-4.25	-2.96	-2.60
XY--V	-7.90	-6.54	-6.48		XY--V	-4.27	-3.93	-6.22
14" LCD Open (Right)					15" LCD Open (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-4.24	-2.64	-2.84		XY-H	-2.80	-2.80	-3.51
XY--V	-2.27	-1.86	-1.51		XY--V	-1.73	-1.97	-1.89
14" LCD Close (Right)					15" LCD Close (Right)			
(dBi)	2400 MHz	2450 MHz	2500 MHz		(dBi)	2400 MHz	2450 MHz	2500 MHz
XY-H	-6.65	-7.22	-8.09		XY-H	-6.96	-7.85	-5.89
XY--V	-4.84	-3.91	-6.17		XY--V	-3.44	-2.98	-2.58

TO QUANTA COMPUTER CORPORATION
SPECIFICATION FOR APPROVAL

CUSTOMER DWG. NO./PART NO.: TBD REV.: N/A

DESCRIPTION: RF CABLE ASS'Y

FOXCONN PROD. NO: WDAN-Q1KT5001 REV.: AX1

ATTACHMENTS:

- | | |
|--------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-097</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST.. | <u>ML-097</u> |
| 3. PART DRAWING | <u>SGX0001-00</u> |
| | <u>703-3000-290</u> |
| | <u>014-0000-153</u> |
| | <u>040-0000-389</u> |

PLEASE RETURN TO US ONE COPY OF COVER PAGE OF THE
"SPECIFICATION FOR APPROVAL " WITH YOUR APPROVED SIGNATURES

APPROVED SIGNATURES		



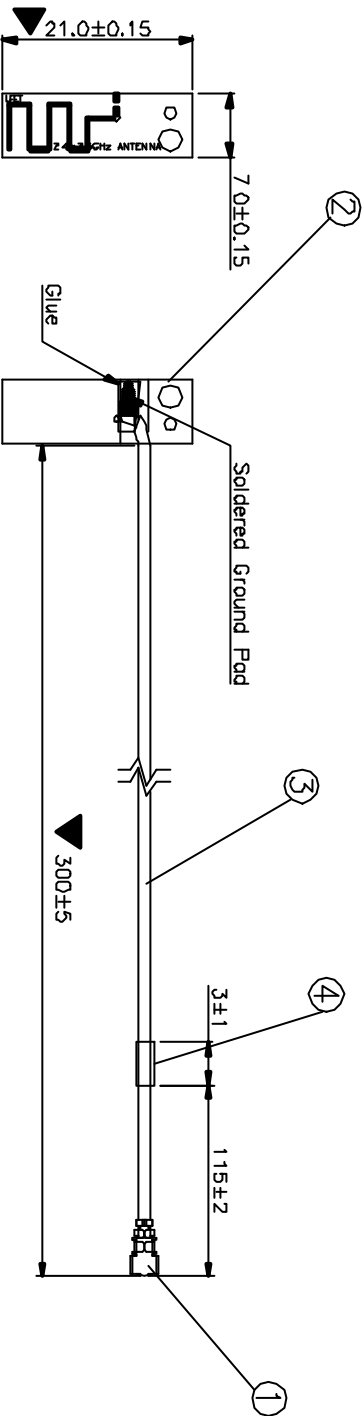
Hon Hai Precision Industry Co., Ltd.

2. TZU YU ST., TU-CHEN, TAIPEI HSIEN, 23606,
TAIWAN, R.O.C
TEL: (02) 2683466 (02) 2681477
TAIWAN, R.O.C
FAX: (02) 2687795 (02) 2683225
TLX. 32349 FOXCONNHH
UNIFORM INVOICE NUMBER: 04541302

Approved by: Sheng Checked by: _____ Prepared by: Paul Zhou

FILE NO.: SFA-097 REVISION NO.: AX1 DATE: Mar 5, 2002

REV.	ECN	NO	APPD.
AX1			



NOTES:

1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.

④	H/S TUBE (WHITE)	080-2101-620	FOXCONN: 080-2101-620	1 PCS
③	30AWG SOLID COAXIAL CABLE	D14-3031-153 703-3000-280	FOXCONN: 014-3031-153 FOXCONN: 703-30NN-290	A/R
②	ANTENNA PCB	040-0001-883	FOXCONN: 040-0001-883	1 PCS
①	RF CONNECTOR	SGX0001-00	FOXCONN: SGX0001-00	1 PCS
ITEM	DESCRIPTION	FOXCONN P/N	VENDOR P/N	QTY
X±	X±	UNITS	NAME(INTENDED USE) QUANTA KT1 Left Antenna	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
X±	X±	MATL	PART NO.(INTENDED USE) WDAN-Q1KT5001	ANTENNA CABLE
XXXX	XXXX	FINISH	APPD:	DWG NO.: 315-0900-097
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND. CO.,LTD. AND ARE NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND. CO., LTD.		CHKD:	DR: Paul Zhou 03.05.102	SCALE SHEET REV. N/A 1/1 AX1

DESIGN REVIEW FOR MATERIAL LIST

QUANTA P/N . TBD

DESCRIPTION . RF CABLE ASS'Y

NO : ML-097

PAGE . 1/1

ITEM	DESCRIPTION	SUPPLIER/AGENCY						QUANTA PART NUMBER	QUANTITY	REMARK
		SUPPLIER	SUPPLIER PART NO.	FOXCONN PART NO.	AVL	UL SUBMIT	CSA SUBMIT			
1	COAXIAL CABLE	HITACHI	OR HCM-40309/1	014-3031-153		N/A	N/A		A/R	
		ACTUONE	703-3000-290	703-3000-290		N/A	N/A		A/R	
2	RF CONN.	FOXCONN	SGX0001-00	SGX0001-00		N/A	N/A		1 PC	
3	PCB (LEFT)	FOXCONN	040-0001-893	040-0001-893		N/A	N/A		1 PC	

APPROVED BY: Sheng Tai 3/6/2002

CHECKED BY: _____

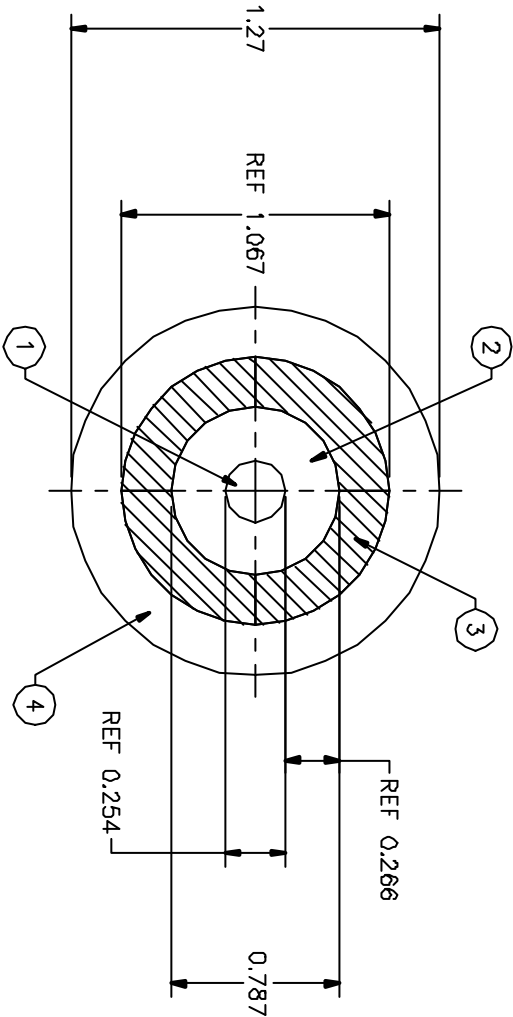
PREPARED BY: Paul Zhou 3/5/2002

REV	ECN No.	APPL.	DATE
A	MC-01-0847	VINCENT	3/28/01
B	MC-01-0847	ALLEN	4/13/01
C	MC-01-1942		

ELECTRICAL		
IMPEDANCE	50	ohms
CAPACITANCE	30.5	pf/ft
CONDUCTOR	RESISTANCE	860 ohms/KM

FREQUENCY (MHz)	ATTENUATION (dB/10ft)
500	3
1000	5
2000	8
3000	10

RATINGS	
TEMPERATURE:	200°C/105°C
VOLTAGE:	30V
UL STYLE:	1894/1943



NOTES

- 1.PRIMARY INSULATION CONCENTRICITY = 85% MIN
2. NN : JACKET COLOR CODE
00--BLACK 01-BROWN 02-RED 03-ORANGE
04-YELLOW 05-GREEN 06-BLUE 07-PURPLE
08-GRAY 09-WHITE 10-CLEAR 99-NATURAL
- 3 BRAIDING COVERAGE TO BE 95 % MIN.
- 4.DIELECTRIC STRENGTH:1.25KVAC/min
- 5 JACKET CONCENTRICITY = 80% MIN

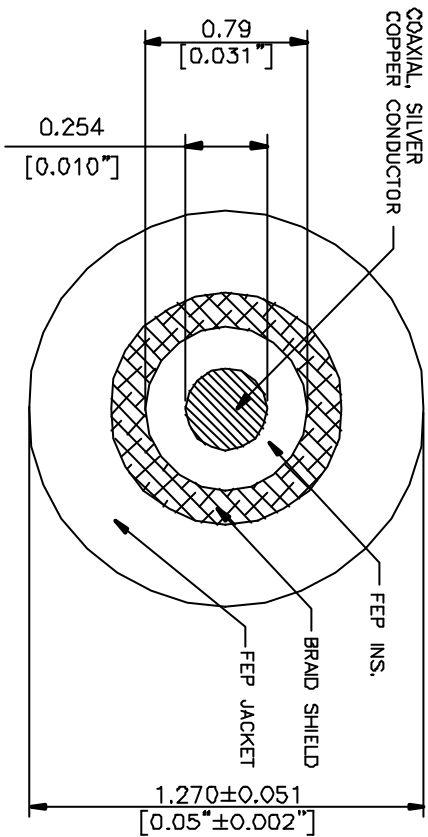
ITEM	QTY	PART No	DESCRIPTION
4	A/R	902-***1-*24	JACKET INSULATION, FEP #
3	A/R	904-44**--616	BENDS/ 44 AWG TINNED PLATED BRAIDING
2	A/R	902-***1-*24	PRIMARY INSULATION, FEP #
1	A/R	904-30**--851	30 AWG, SOLID SILVER PLATED COPPER CLAD STEEL

BILL OF MATERIALS			
UNITS	mm	FOXCCONN	HON HAI PRESSION IND CO.,LTD
MATERIAL		COAXIAL CABLE	PART No (ENTERED USE)
SEE BOM		703-30NN-290	
FINISH			
SEE NOTES		DESIGN .	
CHECKED			
DRAWER			
DWG No.		703-3000-290	
TITLE:		RF CABLE	
		30 AWG, CONSTRUCTION	
SCALE		NONE	1/1
SHEET			C
REV.			

THESE DRAWINGS AND SPECS. ARE THE PROPERTY OF HON HAI PRESSION IND CO.,LTD. AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF HON HAI PRESSION IND. CO., LTD.

REV.	ECN.	NO	APPD
D	MC00176B	Lot	8/12/06

- NOTES:
1. CAPACTANCE: 30.5 pF/FT.
 2. CONDUCTOR RESISTANCE: 264 OHMS/M' AT 20°C.
 3. CONDUCTOR: 30 AWG,SOLID SP COPPERWELD 0.010" NOM. OD.
 4. INSULATION: 30AWG, FEP, 0.031" OD., 0.0107" AVG WALL
 5. BRAID SHIELD: 30AWG, 6 ENDS 44 AWG TINNED COPPER,95% MIN. COVERAGE.
 6. JACKET: 30AWG, FEP,0.050"±0.002" OD., 0.004" AVG WALL.
 7. TEMPERATURE RATING: -70°C~+200°C.
 8. NO MARKING.



014-3031-153		HITACHI HCM-40309/1		30AWG		BLACK	
FOXCONN P/N		VENDOR & P/N		AWG		JACKET COLOR	
X.±	X.±	UNITS [INCH] ^{MIN}		NAME(INTENDED USE) FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X±	.X±	MAT'L					
.XX± 0.05	.XX±			PART NO.(INTENDED USE) TITLE COAXIAL CABLE			
.XXX±	.XXX±	FINISH					
THESE DIMENSIONS AND SPECIFICATIONS ARE THE PROPERTY OF NON HAI PRECISION IND CO., LTD AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT PERMISSION FROM NON HAI PRECISION IND CO., LTD				APPD: Sheng Tai		DWG NO: 014-0000-153	
				CHKD:			
DR:Duke Du 1/17/2001				SCALE		SHEET	REV.
				N/A		1/1	D

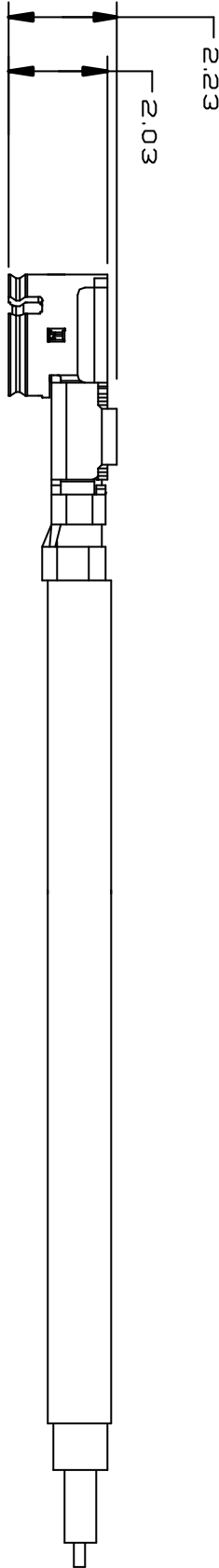
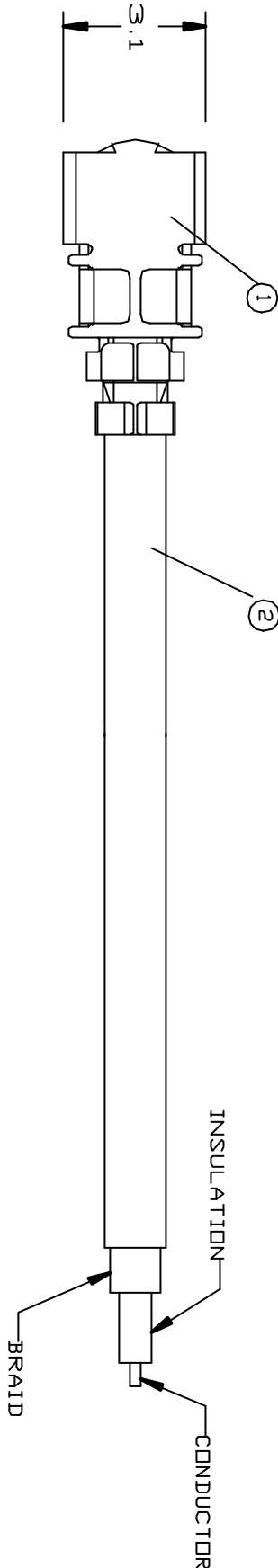
SCALE 10,000

GENERAL SPECIFICATION:

1. CONTACT RESISTANCE: 20 MILIOHMS MAX.
2. INSULATION RESISTANCE: 500 MEGOHMS MIN.
3. WITHSTAND VOLTAGE 200 V_{AC}
4. CONNECTOR V.S.W.R.: 1.3 OR LESS AT DC TO 3 GHz
5. OPERATION TEMPERATURE: -40°C TO 90°C

RF CABLE ASSEMBLY MATERIAL:

1. CONTACT: COPPER ALLOY, GOLD PLATING
2. HOUSING: THERMOPLASTIC, UL 94V-0 RATED
3. METAL SHELL: COPPER ALLOY, SILVER PLATING
4. CABLE: 30AWG&32AWG SOLID COAXIAL CABLE.
5. PART NO. MATRIX: SGX0001-00

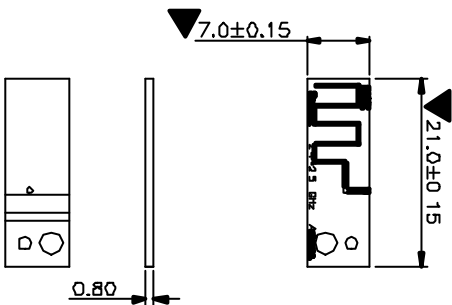
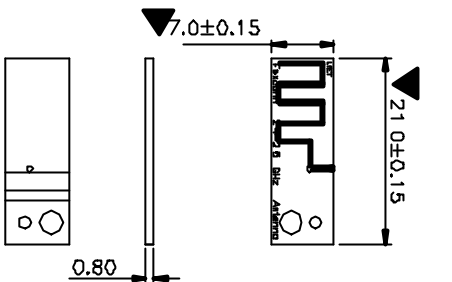


2	WIRE	703-3000-291	30AWG SLD COAXIAL CABLE	A/R
1	RF CONN.	SGX0001-00	FOXCONN: EP01-025-001	1 PCS
ITEM	PART NAME	PART NO.	EQUIVALENT VENDOR & PART NO.	Q'TY

X. ±	X. ±	UNITS	NAME/INTENDED USE	FOXCONN
X ± 0.1	X ±	MAT'L	SGX0001-00	HON HAI PRECISION IND. CO., LTD. TAIPEI, TAIWAN, R.O.C.
X ± 0.1	X ±	SEE NOTES	PART NO./INTENDED USE	TITLE: RF CABLE ASSEMBLY
XXX ±	XXX ±	FINISH	SGX0001-00	
THESE DIMENSIONS AND SPECIFICATIONS ARE FOR INFORMATION ONLY. THEY ARE NOT TO BE USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF FOX LTD.		APPD: D. KD	DWG NO: EP01-025-001	
		CHKD:		
		DR: D. KD	12/2/00	
		SCALE	SHEET	REV.
		10:1	1/1	X2

NOTES:

- 1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
- 2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.
- 3. PCB'S MATERIAL : FR-4, THICKNESS 0.8MM.



REV.	ECN. NO.	APPD.
X1		

2	040-0002-893	II
1	040-0001-893	I
ITEM	P/N	TYPE
FOXCONN		
HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.		
TITLE: PCB ANTENNA		
PART NO.(INTENDED USE)		
NAME(INTENDED USE) FOR QUANTA KTS		
UNITS mm		
MTRL		
FINISH		
X±	X±	
x± ±0.2	x±	
.xx± ±0.1	.xx±	
.xxx±	.xxx±	
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QTY		
APPD: Sheng Tai 3/5/06		
CHKD:		
DR/Paul Zhou 3/5/02		
DWG NO.: 040-0000-893		
SCALE SHEET REV.		
N/A 1/1 X1		

NOTES:

▲ UL MARKING.

2. RATING : UL 224, 125°C, 600V, VW-1
CSA, 125°C, 600V, OFT

3. DIELECTRIC STRENGTH : 500 V/MIL

4. VOLUME RESISTIVITY : 10^{14} OHM-CM.

5. TENSILE STRENGTH : 10.3 MPa (1500 psi) MIN..

6. PART NO. MATRIX: 080- A B CC - 620

A: EQUIVALENT VENDER & PRODUCT

A=0: SUMITUBE F2-*

A=1: FAVORTRON FVC-2-*

A=2: SUMITUBE F32-*

A=3: CHANGBAO 102-*

A=4: SUMITUBE F4-*

A=5: HB T*ø

B: COLOR

B=0: BLACK.

B=1: WHITE.

B=2: RED.

B=3: BLUE.

B=4: GREEN.

B=5: YELLOW.

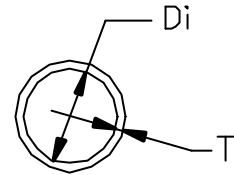
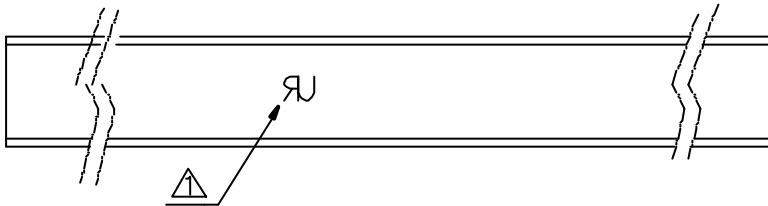
B=6: ORANGE.

B=7: PURPLE.

B=8: GRAY

CC: INSIDE DIMENSION ID.

REV.	ECN.	NO.	APPD.
A	HC95121	JEFF C.	1/20/95
B	HC96190	C. CHEN	2/7/96
C	HC96670	C. CHEN	5/7/96
D	HC961695	CHARLES	
E	HC971231	C. CHEN	6/18/97
F	MC991918	LAI	5/31/99
G	MC993360	LAI	10/16/99
H	MCD01163	LAI	4/11/2000
K			



X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)	TITLE: HEAT SHRINKABLE TUBE			
.XX± 0.15	.XX°.±						
.XXX±	.XXX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001	DWG NO.: 080-0000-620			
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			DR: H.C.ZHENG 6/15'2001		N/A	1/2	K

[illegible]

TO QUANTA COMPUTER CORPORATION
SPECIFICATION FOR APPROVAL

CUSTOMER DWG. NO./PART NO.: TBD REV.: N/A

DESCRIPTION: RF CABLE ASS'Y

FOXCONN PROD. NO.: WDAN-Q1KT5002 REV.: A

ATTACHMENTS:

- | | |
|---------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-098</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST .. | <u>ML-098</u> |
| 3. PART DRAWING | <u>SGX0001-00</u> |
| | <u>703-3000-290</u> |
| | <u>014-0000-153</u> |
| | <u>040-0000-389</u> |

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APPROVED SIGNATURES		

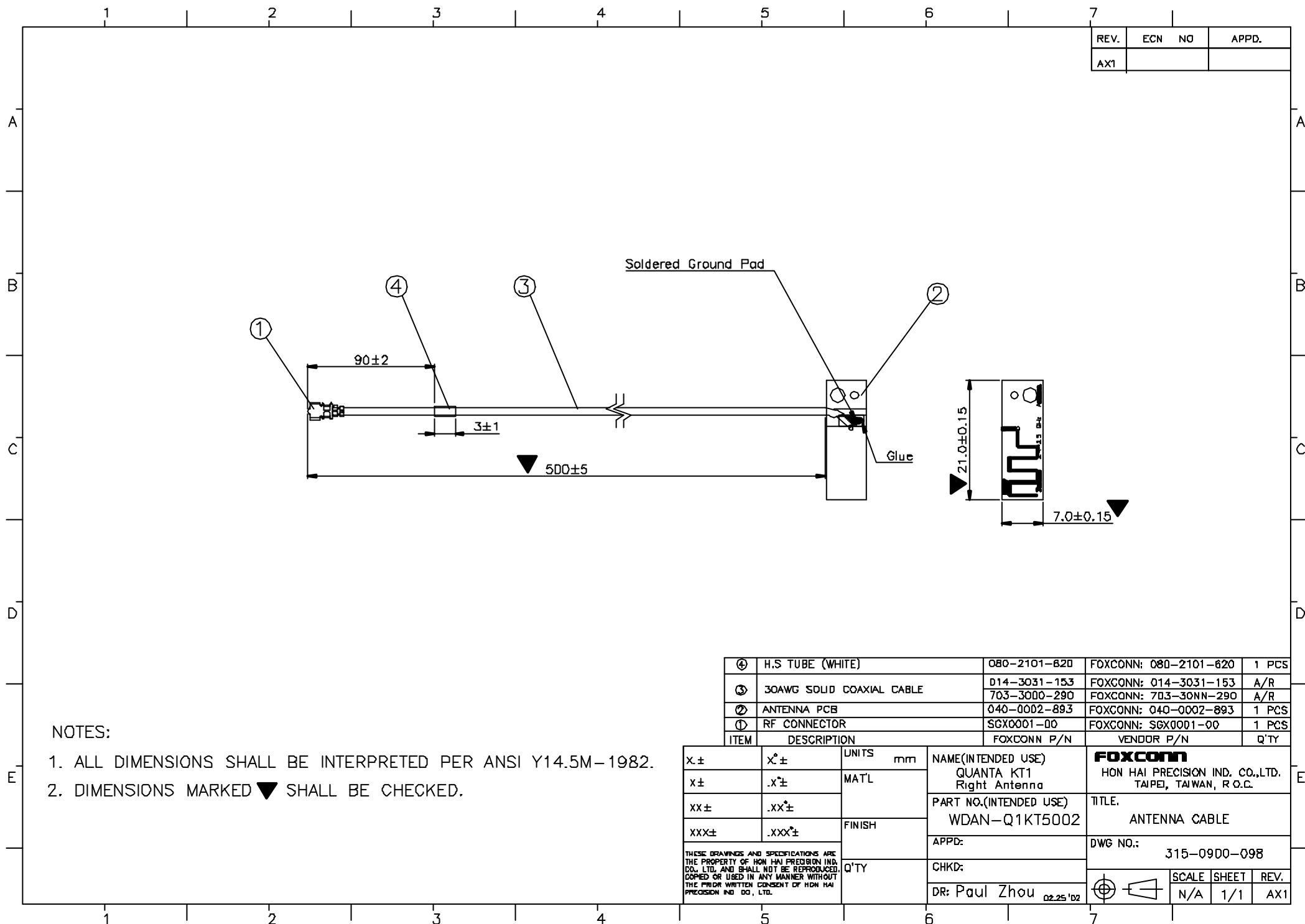


Hon Hai Precision Industry Co., Ltd.

2. TZU YU ST., TU-CHEN, TAIPEI HSIEN, 23606,
TAIWAN, R.O.C
TEL: (02) 2683466 (02) 2681477
TAIWAN, R.O.C
FAX: (02) 2687795 (02) 2683225
TLX: 32349 FOXCONNHH
UNIFORM INVOICE NUMBER: 04541302

Approved by: Sheng Checked by: _____ Prepared by: Paul Zhou

FILE NO.: SFA-098 REVISION NO.: A DATE: Mac 5, 2002



DESIGN REVIEW FOR MATERIAL LIST

QUANTA P/N . TBD

NO : ML-098

DESCRIPTION . RF CABLE ASS'Y

PAGE . 1/1

ITEM	DESCRIPTION	SUPPLIER/AGENCY						QUANTA PART NUMBER	QUANTITY	REMARK
		SUPPLIER	SUPPLIER PART NO.	FOXCONN PART NO.	AVL	UL SUBMIT	CSA SUBMIT			
1	COAXIAL CABLE	HITACHI OR	HCM-40309/1	014-3031-153		N/A	N/A		A/R	
		ACTUONE	703-3000-290	703-3000-290		N/A	N/A		A/R	
2	RF CONN.	FOXCONN	SGX0001-00	SGX0001-00		N/A	N/A		1 PC	
3	PCB (RIGHT)	FOXCONN	040-0002-893	040-0002-893		N/A	N/A		1 PC	

APPROVED BY: Sheng Tai 3/6/2002

CHECKED BY: _____

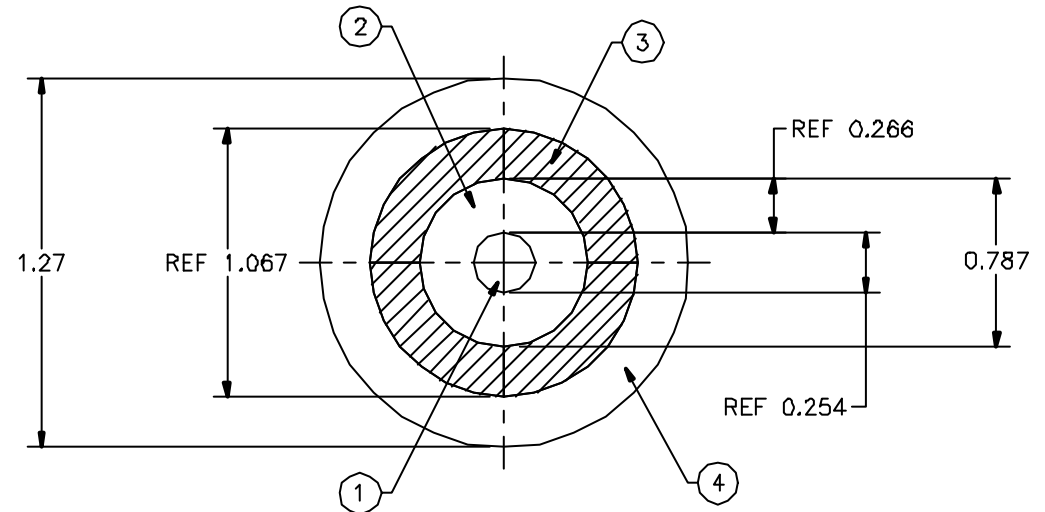
PREPARED BY: Paul Zhou 3/5/2002

ELECTRICAL		
IMPEDANCE	50	ohms
CAPACITANCE	30.5	pF/ft
CONDUCTOR RESISTANCE	860	ohms/KM

FREQUENCY (MHz)	ATTENUATION (dB/10ft)
500	3
1000	5
2000	8
3000	10

RATINGS	
TEMPERATURE:	200°C/105°C
VOLTAGE:	30V
UL STYLE:	1894/1943

REV	ECN No.	APPD.	DATE
A	MC-01-0847	VINCENT	3/28/01
B	MC-01-0847	ALLEN	4/13/01
C	MC-01-1942		



NOTES

- 1.PRIMARY INSULATION CONCENTRICITY = 85% MIN
2. NN : JACKET COLOR CODE
00--BLACK 01--BROWN 02--RED 03--ORANGE
04--YELLOW 05--GREEN 06--BLUE 07--PURPLE
08--GRAY 09--WHITE 10--CLEAR 99--NATURAL
- 3 BRAIDING COVERAGE TO BE 95 % MIN.
- 4.DIELECTRIC STRENGTH:1.25KVAC/min
- 5 JACKET CONCENTRICITY = 80% MIN

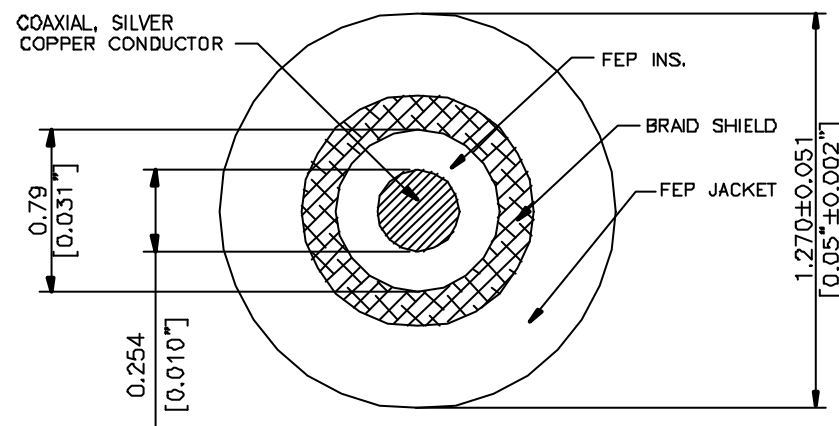
4	A/R	902-***1-*24	JACKET INSULATION, FEP #
3	A/R	904-44**--616	6ENDS/ 44 AWG TINNED PLATED BRAIDING
2	A/R	902-***1-*24	PRIMARY INSULATION, FEP #
1	A/R	904-30**--851	30 AWG, SOLID SILVER PLATED COPPER CLAD STEEL
ITEM	QTY	PART No	DESCRIPTION

BILL OF MATERIALS			
	UNITS	NAME(INTENDED USE)	FOXCONN
	mm	COAXIAL CABLE	HON HAI PRECISION IND CO.,LTD
	MATERIAL	PART No (INTENDED USE)	TITLE
	SEE BOM	703-30NN-290	RF CABLE
	FINISH	DESIGN .	30 AWG, CONSTRUCTION
	SEE NOTES	DWG No.	703-3000-290
	QTY	CHECKED	SCALE
		DRAFTER	SHEET
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			NONE 1/1 C

REV.	ECN.	NO	APPD
D	MC001768	Loi	5/12/00

NOTES:

1. CAPACITANCE: 30.5 pF/FT.
2. CONDUCTOR RESISTANCE: 264 OHMS/M' AT 20°C.
3. CONDUCTOR: 30 AWG, SOLID SP COPPER WELD 0.010" NOM. OD.
4. INSULATION: 30AWG, FEP, 0.031" OD., 0.0107" AVG WALL.
5. BRAID SHIELD: 30AWG, 6 ENDS 44 AWG TINNED COPPER, 95% MIN. COVERAGE.
6. JACKET: 30AWG, FEP, 0.050" ± 0.002" OD., 0.004" AVG WALL.
7. TEMPERATURE RATING: -70°C ~ +200°C.
8. NO MARKING.



014-3031-153	HITACHI HCM-40309/1	30AWG	BLACK
FOXCONN P/N	VENDOR & P/N	AWG	JACKET COLOR

X.±	X*.±	UNITS [INCH]	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.									
.X±	.X*.±		MAT'L	PART NO.(INTENDED USE)	TITLE								
.XX± 0.05	.XX*.±				COAXIAL CABLE								
.XXX±	.XXX*.±		FINISH	APPD: Sheng Tai	DWG NO: 014-0000-153								
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			SCALE					SHEET	REV.				
N/A	1/1	D											
			DR:Duke Du 1/17/2001										

SCALE 10.000

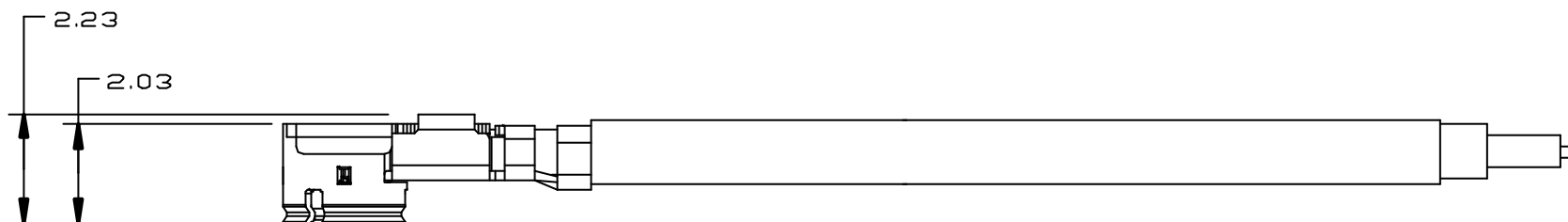
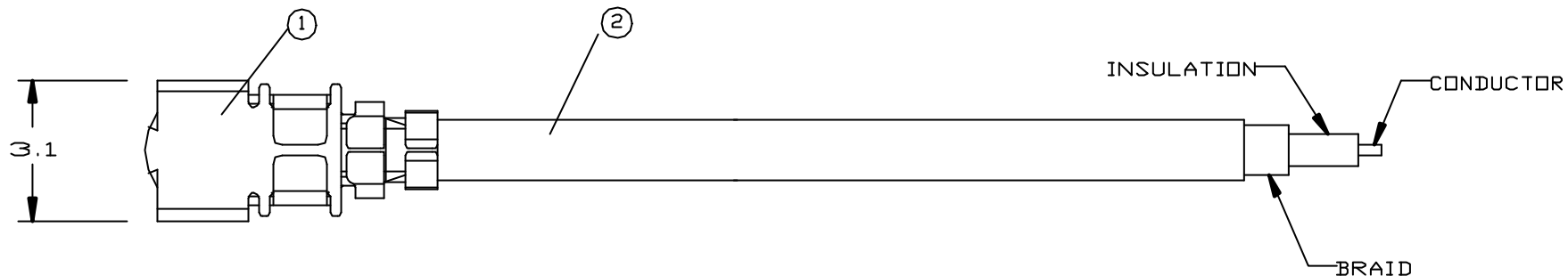
GENERAL SPECIFICATION:

1. CONTACT RESISTANCE: 20 MILIOHMS MAX.
2. INSULATION RESISTANCE: 500 MEGOHMS MIN.
3. WITHSTAND VOLTAGE 200 V_{ac}
4. CONNECTOR V.S.W.R.: 1.3 OR LESS AT DC TO 3 GHz
5. OPERATION TEMPERATURE: -40°C TO 90°C

RF CABLE ASSEMBLY MATERIAL:

1. CONTACT: COPPER ALLOY, GOLD PLATING
2. HOUSING: THERMOPLASTIC, UL 94V-0 RATED
3. METAL SHELL: COPPER ALLOY, SILVER PLATING
4. CABLE: 30AWG&32AWG SOLID COAXIAL CABLE.
5. PART NO. MATRX: SGX0001-00

REV.	ECN. NO.	APPD.
X2		D, KD



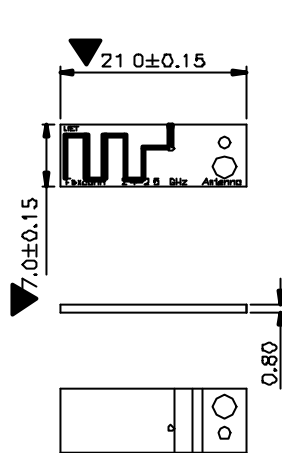
2	WIRE	703-3000-291	30AWG SOLD COAXIAL CABLE	A/R
1	RF CONN.	SGX0001-00	FOXCONN: EP01-025-001	1 PCS
ITEM	PART NAME	FOXCONN PART NO.	EQUIVALENT VENDOR & PART NO.	Q'TY

$\times \pm$	$\times \pm$	UNITS	mm	NAME(INTENDED USE)	FOXCONN
$\times \pm 0.1$	$\times \pm$	MAT'L		SGX0001-00	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
$\times \times \pm 0.1$	$\times \times \pm$	SEE NOTES		PART NO.(INTENDED USE)	TITLE:
$\times \times \times \pm$	$\times \times \times \pm$	FINISH		SGX0001-00	RF CABLE ASSEMBLY
				APPD: D, KD	DWG NO:
				CHKD:	EP01-025-001
				DR: D, KD 12/2/00	SCALE SHEET REV.
					10:1 1/1 X2

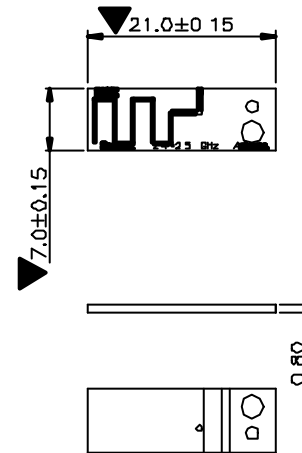
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NOTES:

1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.
3. PCB'S MATERIAL : FR-4. THICKNESS 0.8MM.



I



II

REV.	ECN. NO.	APPD.
X1		

2	040-0002-893	II
1	040-0001-893	I
ITEM	P/N	TYPE

X _i ±	X _i [°] ±	UNITS	mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.		
x± ±0.2	x _i [°] ±	MAT'L		FDR QUANTA KT5	TITLE: PCB ANTENNA		
.xx± ±0.1	.xx _i [°] ±	FINISH		PART NO (INTENDED USE)			
.XXX±	.XXX _i [°] ±			Q'TY	APPR: Sheng Tai 3/5/06	DWG NO.:	040-0000-893
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			DRP:Paul Zhou 3/5/02		N/A	1/1	X1

NOTES:

▲ UL MARKING.

2. RATING : UL 224, 125°C, 600V, VW-1
CSA, 125°C, 600V, OFT

3. DIELECTRIC STRENGTH : 500 V/MIL

4. VOLUME RESISTIVITY : 10^{14} OHM-CM.

5. TENSILE STRENGTH : 10.3 MPa (1500 psi) MIN..

6. PART NO. MATRIX: 080- A B CC - 620

A: EQUIVALENT VENDER & PRODUCT CC: INSIDE DIMENSION ID.

B: COLOR

A=0: SUMITUBE F2-*

A=1: FAVORTRON FVC-2-*

A=2: SUMITUBE F32-*

A=3: CHANGBAO 102-*

A=4: SUMITUBE F4-*

A=5: HB T*ø

B=0: BLACK.

B=1: WHITE.

B=2: RED.

B=3: BLUE.

B=4: GREEN.

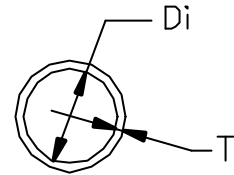
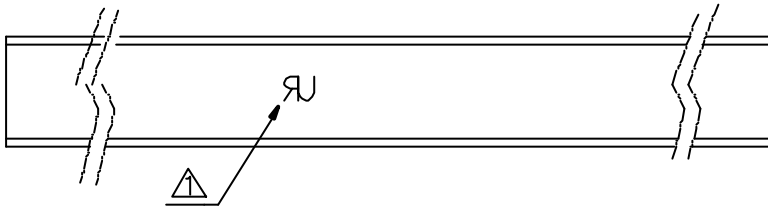
B=5: YELLOW.

B=6: ORANGE.

B=7: PURPLE.

B=8: GRAY

REV.	ECN.	NO.	APPD.
A	HC95121	JEFF C.	1/20/95
B	HC96190	C. CHEN	2/7/96
C	HC96670	C. CHEN	5/7/96
D	HC961695	CHARLES	
E	HC971231	C. CHEN	6/18/97
F	MC991918	LAI	5/31/99
G	MC993360	LAI	10/16/99
H	MCD01163	LAI	4/11/2000
K			



X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)	TITLE: HEAT SHRINKABLE TUBE		
.XX± 0.15	.XX°.±			DWG NO.: 080-0000-620		
.XXX±	.XXX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001			
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			DR: H.C.ZHENG 6/15'2001	N/A	1/2	K

		1		2		3		4	
								REV.	ECN. NO. APPD
A									A
B									B
C									C
D									D
E									E

080-**-25-620	0.8	0.13	0.4	0.20
080-**-24-620	14.0	0.30	7.0	0.64
080-**-23-620	1.0	0.20	0.5	0.33
080-**-22-620	50.0	0.40	25.0	0.87
080-**-21-620	38.0	0.40	19.0	0.87
080-**-20-620	30.0	0.40	15.0	0.87
080-**-19-620	25.0	0.40	12.5	0.87
080-**-18-620	22.0	0.40	11.0	0.77
080-**-17-620	20.0	0.35	10.0	0.77
080-**-16-620	18.0	0.35	9.0	0.77
080-**-15-620	16.0	0.30	8.0	0.69
080-**-14-620	12.0	0.25	6.0	0.56
080-**-13-620	11.0	0.25	5.5	0.56
080-**-12-620	10.0	0.25	5.0	0.56
080-**-11-620	9.0	0.25	4.5	0.56
080-**-10-620	8.0	0.25	4.0	0.56
080-**-09-620	7.0	0.25	3.5	0.56
080-**-08-620	6.0	0.25	3.0	0.56
080-**-07-620	5.0	0.25	2.5	0.56
080-**-06-620	4.0	0.25	2.0	0.44
080-**-05-620	3.5	0.25	1.75	0.44
080-**-04-620	3.0	0.25	1.50	0.44
080-**-03-620	2.5	0.25	1.25	0.44
080-**-02-620	2.0	0.25	1.00	0.44
080-**-01-620	1.5	0.20	0.75	0.36
Part Number 	Inside Diameter, Di (min.)	Wall Thickness, T (nomi.)	Inside Diameter, Di (max.)	Wall Thickness, T (min.)
	As Supplied		After Shrinkage	

X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)				
.XX± 0.15	.XX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001	TITLE: HEAT SHRINKABLE TUBE			
.XXX±	.XXX°.±		CHKD:	DWG NO.: 080-0000-620			
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TO QUANTA COMPUTER CORPORATION
SPECIFICATION FOR APPROVAL

CUSTOMER DWG. NO./PART NO.: TBD REV.: N/A

DESCRIPTION: RF CABLE ASS'Y

FOXCONN PROD. NO.: WDAN-Q1KT6002 REV.: AX1

ATTACHMENTS:

- | | |
|--------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-126</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST.. | <u>ML-126</u> |
| 3. PART DRAWING | <u>SGX0001-00</u> |
| | <u>703-3000-290</u> |
| | <u>014-0000-153</u> |
| | <u>040-0000-896</u> |
| | <u>080-0000-620</u> |

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APPROVED SIGNATURES		

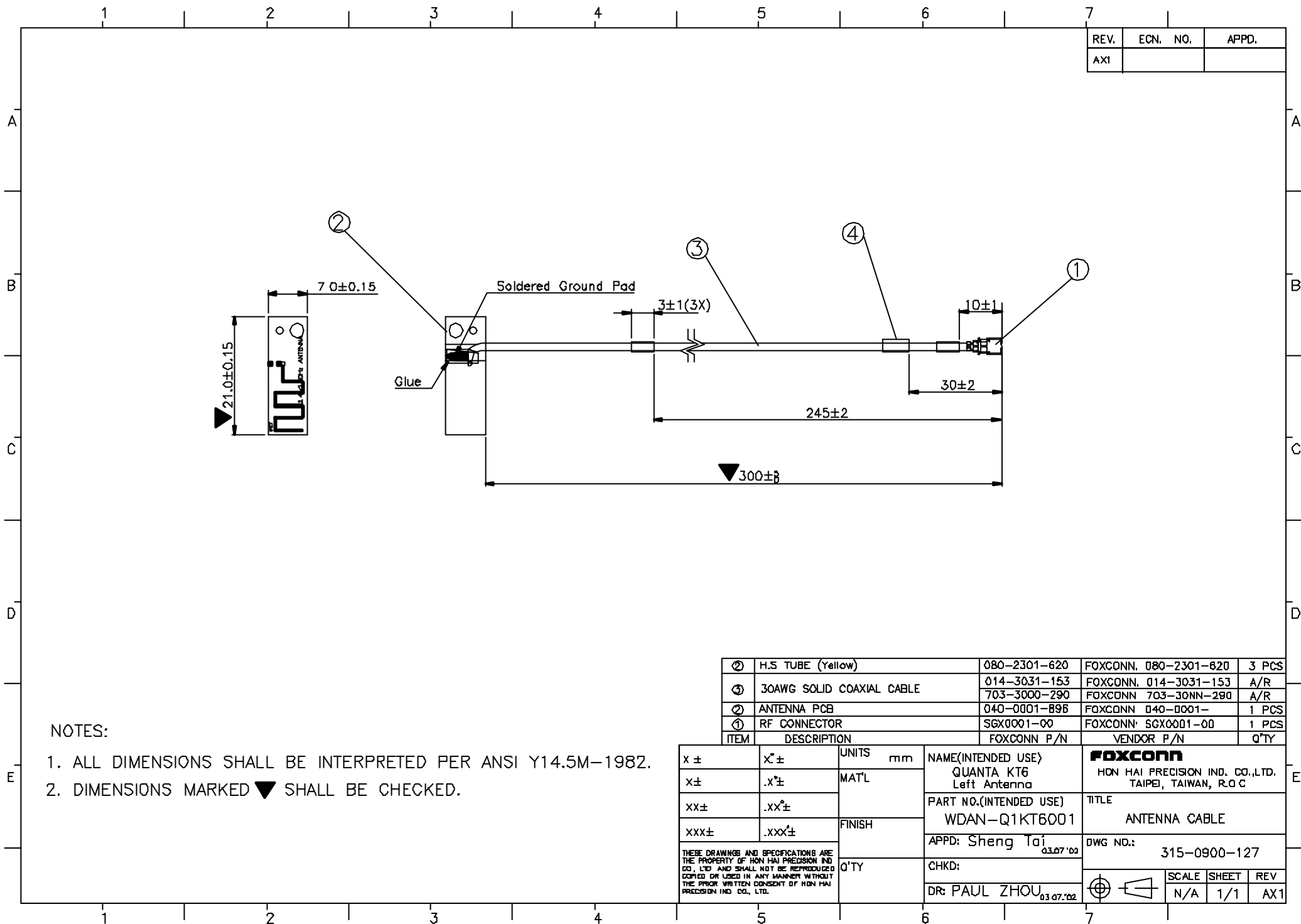


Hon Hai Precision Industry Co., Ltd.

2. TZU YU ST., TU-CHEN, TAIPEI HSIEN, 23606,
TAIWAN, R.O.C
TEL: (02) 2683466 (02) 2681477
TAIWAN, R.O.C
FAX: (02) 2687795 (02) 2683225
TLX. 32349 FOXCONNH
UNIFORM INVOICE NUMBER: 04541302

Approved by: Sheng Checked by: _____ Prepared by: Paul Zhou

FILE NO.: SFA-126 REVISION NO.: AX1 DATE: 3. 7, 2002



DESIGN REVIEW FOR MATERIAL LIST

QUANTA P/N : TBD

NO : ML-126

DESCRIPTION : RF CABLE ASS'Y

PAGE : 1/1

ITEM	DESCRIPTION	SUPPLIER/AGENCY						QUANTA PART NUMBER	QUANTITY	REMARK
		SUPPLIER	SUPPLIER PART NO.	FOXCONN PART NO.	AVL	UL SUBMIT	CSA SUBMIT			
1	COAXIAL CABLE	HITACHI OR	HCM-40309/1	014-3031-153		N/A	N/A		A/R	
		ACTUONE	703-3000-290	703-3000-290		N/A	N/A		A/R	
2	RF CONN.	FOXCONN	SGX0001-00	SGX0001-00		N/A	N/A		1 PC	
3	PCB (LEFT)	FOXCONN	040-0002-896	040-0002-896		N/A	N/A		1 PC	
4	HEAT SHRINK TUBE	FOXCONN	080-2501-620	080-2501-620		N/A	N/A		3 PCS	

APPROVED BY: Sheng Tai 3/7/2002

CHECKED BY: _____

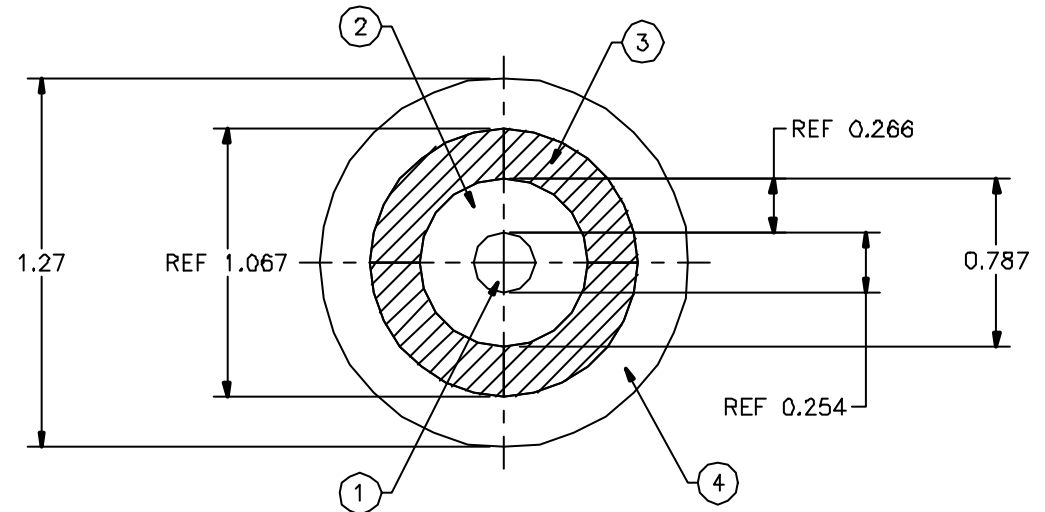
PREPARED BY: Paul Zhou 3/7/2002

ELECTRICAL		
IMPEDANCE	50	ohms
CAPACITANCE	30.5	pF/ft
CONDUCTOR RESISTANCE	860	ohms/KM

FREQUENCY (MHz)	ATTENUATION (dB/10ft)
500	3
1000	5
2000	8
3000	10

RATINGS	
TEMPERATURE:	200°C/105°C
VOLTAGE:	30V
UL STYLE:	1894/1943

REV	ECN No.	APPD.	DATE
A	MC-01-0847	VINCENT	3/28/01
B	MC-01-0847	ALLEN	4/13/01
C	MC-01-1942		



NOTES

- 1.PRIMARY INSULATION CONCENTRICITY = 85% MIN
2. NN : JACKET COLOR CODE
00--BLACK 01--BROWN 02--RED 03--ORANGE
04--YELLOW 05--GREEN 06--BLUE 07--PURPLE
08--GRAY 09--WHITE 10--CLEAR 99--NATURAL
- 3 BRAIDING COVERAGE TO BE 95 % MIN.
- 4.DIELECTRIC STRENGTH:1.25KVAC/min
- 5 JACKET CONCENTRICITY = 80% MIN

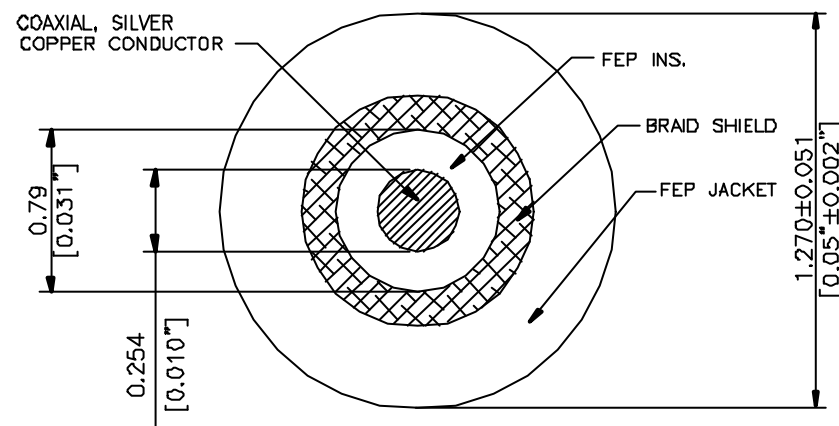
4	A/R	902-***1-*24	JACKET INSULATION, FEP #
3	A/R	904-44**-*616	6ENDS/ 44 AWG TINNED PLATED BRAIDING
2	A/R	902-***1-*24	PRIMARY INSULATION, FEP #
1	A/R	904-30**-*851	30 AWG, SOLID SILVER PLATED COPPER CLAD STEEL
ITEM	QTY	PART No	DESCRIPTION

BILL OF MATERIALS			
	UNITS	NAME(INTENDED USE)	FOXCONN
	mm	COAXIAL CABLE	HON HAI PRECISION IND CO.,LTD
	MATERIAL	PART No (INTENDED USE)	TITLE
	SEE BOM	703-30NN-290	RF CABLE
	FINISH	DESIGN :	30 AWG, CONSTRUCTION
	SEE NOTES	DWG No.	703-3000-290
	QTY	CHECKED	SCALE
		DRAFTER	SHEET
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			NONE 1/1 C

REV.	ECN.	NO	APPD
D	MC001768	Loi	5/12/00

NOTES:

1. CAPACITANCE: 30.5 pF/FT.
2. CONDUCTOR RESISTANCE: 264 OHMS/M' AT 20°C.
3. CONDUCTOR: 30 AWG, SOLID SP COPPER WELD 0.010" NOM. OD.
4. INSULATION: 30AWG, FEP, 0.031" OD., 0.0107" AVG WALL.
5. BRAID SHIELD: 30AWG, 6 ENDS 44 AWG TINNED COPPER, 95% MIN. COVERAGE.
6. JACKET: 30AWG, FEP, 0.050" ± 0.002" OD., 0.004" AVG WALL.
7. TEMPERATURE RATING: -70°C ~ +200°C.
8. NO MARKING.



014-3031-153	HITACHI HCM-40309/1	30AWG	BLACK
FOXCONN P/N	VENDOR & P/N	AWG	JACKET COLOR

X ±	X' ±	UNITS [INCH]	NAME(INTENDED USE)	FOXCONN		
.X ±	.X' ±	MAT'L		HDN HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.		
.XX ± 0.05	.XX' ±		PART NO.(INTENDED USE)	TITLE		
.XXX ±	.XXX' ±	FINISH		COAXIAL CABLE		
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HDN HAI PRECISION IND CO., LTD AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HDN HAI PRECISION IND CO., LTD			APPD: Sheng Tai	DWG NO:		
			CHKD:	014-0000-153		
			Q'TY			
			DR:Duke Du 1/17/2001			
				SCALE	SHEET	REV.
				N/A	1/1	D

SCALE 10.000

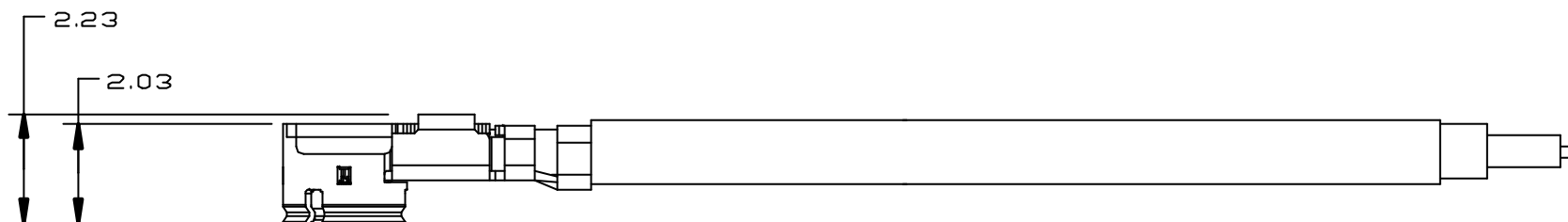
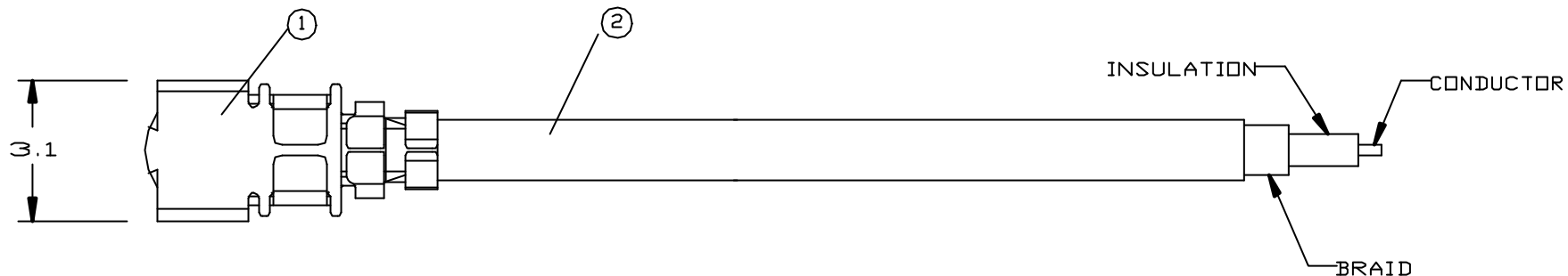
GENERAL SPECIFICATION:

1. CONTACT RESISTANCE: 20 MILIOHMS MAX.
2. INSULATION RESISTANCE: 500 MEGOHMS MIN.
3. WITHSTAND VOLTAGE 200 Vac
4. CONNECTOR V.S.W.R.: 1.3 OR LESS AT DC TO 3 GHz
5. OPERATION TEMPERATURE: -40°C TO 90°C

RF CABLE ASSEMBLY MATERIAL:

1. CONTACT: COPPER ALLOY, GOLD PLATING
2. HOUSING: THERMOPLASTIC, UL 94V-0 RATED
3. METAL SHELL: COPPER ALLOY, SILVER PLATING
4. CABLE: 30AWG&32AWG SOLID COAXIAL CABLE.
5. PART NO. MATRX: SGX0001-00

REV.	ECN. NO.	APPD.
X2		D, KD



2	WIRE	703-3000-291	30AWG SOLD COAXIAL CABLE	A/R
1	RF CONN.	SGX0001-00	FOXCONN: EP01-025-001	1 PCS
ITEM	PART NAME	FOXCONN PART NO.	EQUIVALENT VENDOR & PART NO.	Q'TY

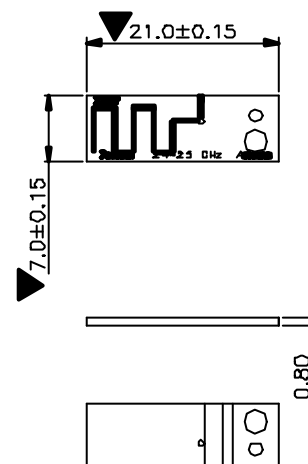
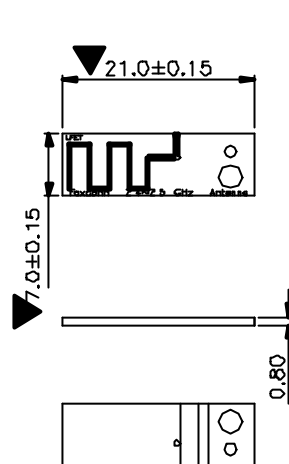
$\times . \pm$	$\times . \pm$	UNITS	mm	NAME (INTENDED USE)	FOXCONN
$. \times \pm 0.1$	$. \times \pm$	MAT'L		SGX0001-00	HON HAI PRECISION IND. CO., LTD. TAIPEI, TAIWAN, R.O.C.
$. \times \times \pm 0.1$	$. \times \times \pm$	SEE NOTES		PART NO. (INTENDED USE)	TITLE:
$. \times \times \times \pm$	$. \times \times \times \pm$	FINISH		SGX0001-00	RF CABLE ASSEMBLY
				APPD: D, KD	DWG NO:
				CHKD:	EP01-025-001
				DR: D, KD 12/2/00	SCALE SHEET REV.
					10:1 1/1 X2

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REV	ECN.	NO	APPD.
A			

NOTES:

1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.
3. PCB'S MATERIAL : FR-4 THICKNESS 0.8MM.



2	040-0002-896	II
1	040-0001-896	I
ITEM	P/N	TYPE

X ±	X* ±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X ± ±0.2	X* ±	MAT'L		FOR QUANTA KT6	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX ± ±0.1	XX* ±	3		PART NO.(INTENDED USE)	TITLE:
.XXX ±	XXX* ±	FINISH		APPD. Sheng Tai 3/7/02	PCB ANTENNA
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				DR: Paul Zhou 3/7/02	040-0000-896
				DR: Paul Zhou 3/7/02	SCALE SHEET REV
					N/A 1/1 A

NOTES:

▲ UL MARKING.

2. RATING : UL 224, 125°C, 600V, VW-1
CSA, 125°C, 600V, OFT

3. DIELECTRIC STRENGTH : 500 V/MIL

4. VOLUME RESISTIVITY : 10^{14} OHM-CM.

5. TENSILE STRENGTH : 10.3 MPa (1500 psi) MIN..

6. PART NO. MATRIX: 080- A B CC - 620

A: EQUIVALENT VENDER
& PRODUCT

A=0: SUMITUBE F2-*

A=1: FAVORTRON FVC-2-*

A=2: SUMITUBE F32-*

A=3: CHANGBAO 102-*

A=4: SUMITUBE F4-*

A=5: HB T*ø

CC: INSIDE DIMENSION ID.

B: COLOR

B=0: BLACK.

B=1: WHITE.

B=2: RED.

B=3: BLUE.

B=4: GREEN.

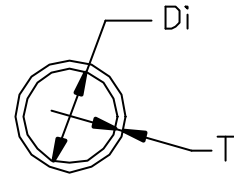
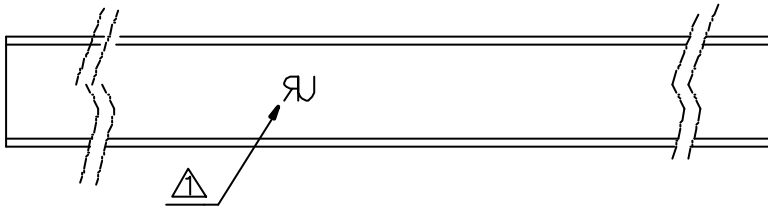
B=5: YELLOW.

B=6: ORANGE.

B=7: PURPLE.

B=8: GRAY

REV.	ECN.	NO.	APPD.
A	HC95121	JEFF C.	1/20/95
B	HC96190	C. CHEN	2/7/96
C	HC96670	C. CHEN	5/7/96
D	HC961695	CHARLES	
E	HC971231	C. CHEN	6/18/97
F	MC991918	LAI	5/31/99
G	MC993360	LAI	10/16/99
H	MCD01163	LAI	4/11/2000
K			



X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)	TITLE: HEAT SHRINKABLE TUBE			
.XX± 0.15	.XX°.±						
.XXX±	.XXX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001	DWG NO.: 080-0000-620			
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			DR: H.C.ZHENG 6/15'2001		N/A	1/2	K

[illegible]

TO QUANTA COMPUTER CORPORATION
SPECIFICATION FOR APPROVAL

CUSTOMER DWG. NO./PART NO.: TBD REV.: N/A

DESCRIPTION: RF CABLE ASS'Y

FOXCONN PROD. NO: WDAN-Q1KT6001 REV.: AX1

ATTACHMENTS:

- | | |
|--------------------------------------|---------------------|
| 1. RF CABLE ASSEMBLY DRAWING | <u>315-0900-127</u> |
| 2. DESIGN REVIEW FOR MATERIAL LIST.. | <u>ML-127</u> |
| 3. PART DRAWING | <u>SGX0001-00</u> |
| | <u>703-3000-290</u> |
| | <u>014-0000-153</u> |
| | <u>040-0000-896</u> |
| | <u>080-0000-620</u> |

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APPROVED SIGNATURES		

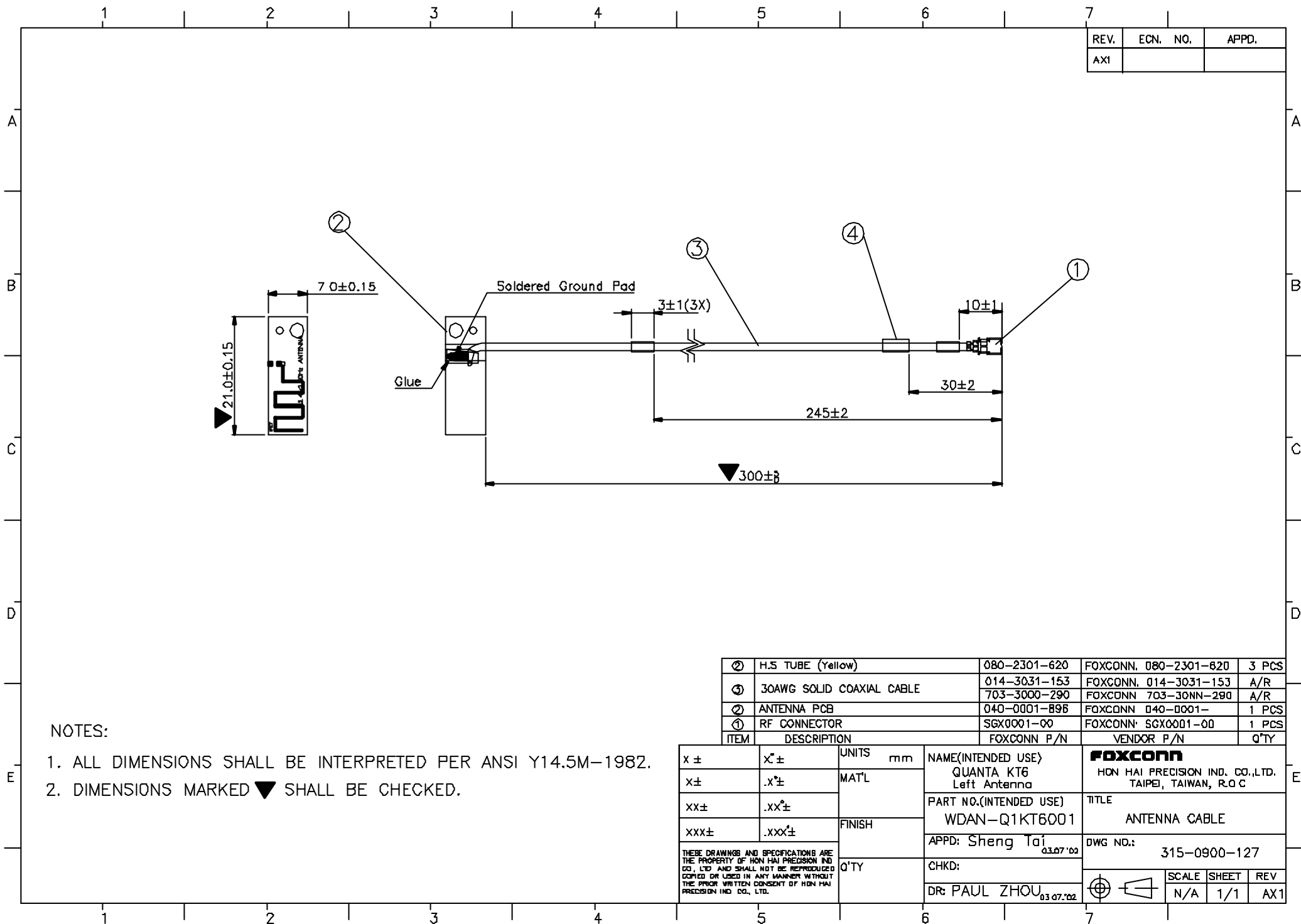


Hon Hai Precision Industry Co., Ltd.

2. TZU YU ST., TU-CHEN, TAIPEI HSIEN, 23606,
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TEL: (02) 2683466 (02) 2681477
TAIWAN, R.O.C
FAX: (02) 2687795 (02) 2683225
TLX. 32349 FOXCONNHH
UNIFORM INVOICE NUMBER: 04541302

Approved by: Sheng Checked by: _____ Prepared by: Paul Zhou

FILE NO.: SFA-127 REVISION NO.: AX1 DATE: 3. 7, 2002



DESIGN REVIEW FOR MATERIAL LIST

QUANTA P/N : TBD

NO : ML-127

DESCRIPTION : RF CABLE ASS'Y

PAGE : 1/1

ITEM	DESCRIPTION	SUPPLIER/AGENCY						QUANTA PART NUMBER	QUANTITY	REMARK
		SUPPLIER	SUPPLIER PART NO.	FOXCONN PART NO.	AVL	UL SUBMIT	CSA SUBMIT			
1	COAXIAL CABLE	HITACHI OR	HCM-40309/1	014-3031-153		N/A	N/A		A/R	
		ACTUONE	703-3000-290	703-3000-290		N/A	N/A		A/R	
2	RF CONN.	FOXCONN	SGX0001-00	SGX0001-00		N/A	N/A		1 PC	
3	PCB (LEFT)	FOXCONN	040-0001-896	040-0001-896		N/A	N/A		1 PC	
4	HEAT SHRINK TUBE	FOXCONN	080-2101-620	080-2101-620		N/A	N/A		3 PCS	

APPROVED BY: Sheng Tai 3/7/2002

CHECKED BY: _____

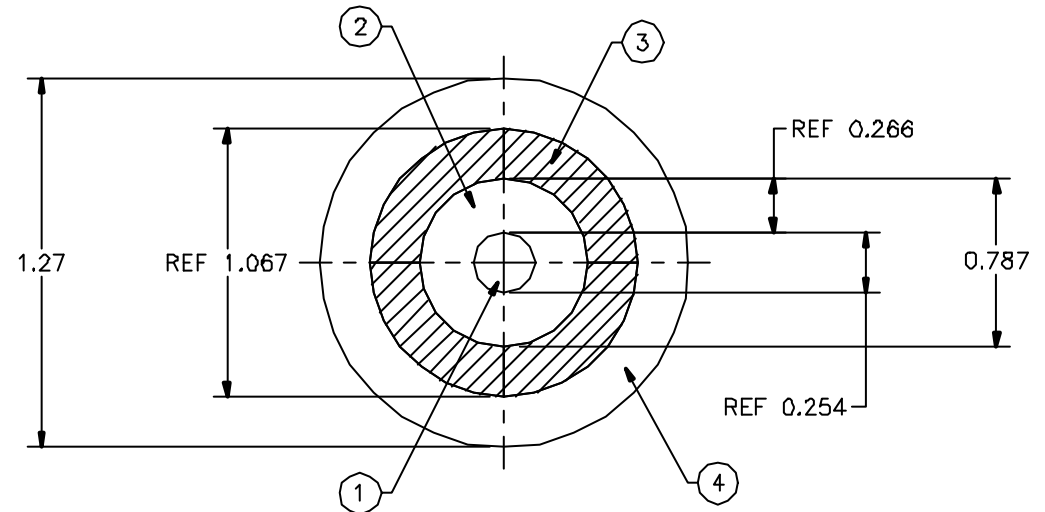
PREPARED BY: Paul Zhou 3/7/2002

ELECTRICAL		
IMPEDANCE	50	ohms
CAPACITANCE	30.5	pF/ft
CONDUCTOR RESISTANCE	860	ohms/KM

FREQUENCY (MHz)	ATTENUATION (dB/10ft)
500	3
1000	5
2000	8
3000	10

RATINGS	
TEMPERATURE:	200°C/105°C
VOLTAGE:	30V
UL STYLE:	1894/1943

REV	ECN No.	APPD.	DATE
A	MC-01-0847	VINCENT	3/28'01
B	MC-01-0847	ALLEN	4/13'01
C	MC-01-1942		



NOTES

- 1.PRIMARY INSULATION CONCENTRICITY = 85% MIN
2. NN : JACKET COLOR CODE
00--BLACK 01--BROWN 02--RED 03--ORANGE
04--YELLOW 05--GREEN 06--BLUE 07--PURPLE
08--GRAY 09--WHITE 10--CLEAR 99--NATURAL
- 3 BRAIDING COVERAGE TO BE 95 % MIN.
- 4.DIELECTRIC STRENGTH:1.25KVAC/min
- 5 JACKET CONCENTRICITY = 80% MIN

4	A/R	902-***1-*24	JACKET INSULATION, FEP #
3	A/R	904-44**--616	6ENDS/ 44 AWG TINNED PLATED BRAIDING
2	A/R	902-***1-*24	PRIMARY INSULATION, FEP #
1	A/R	904-30**--851	30 AWG, SOLID SILVER PLATED COPPER CLAD STEEL
ITEM	QTY	PART No	DESCRIPTION

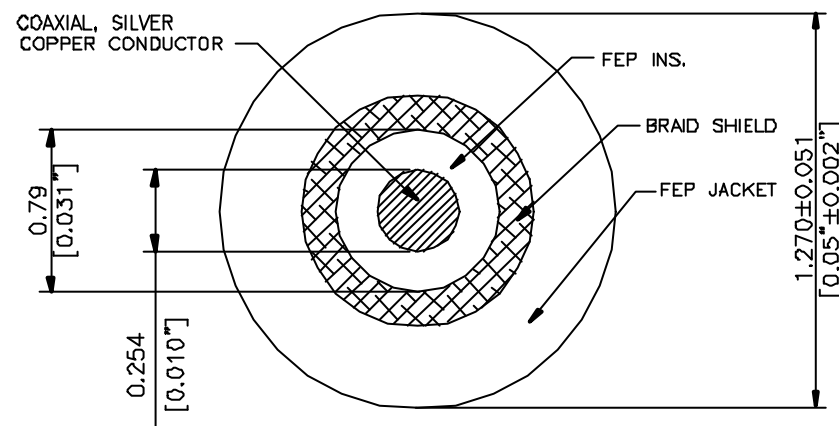
BILL OF MATERIALS			
	UNITS	NAME(INTENDED USE)	FOXCONN
	mm	COAXIAL CABLE	HON HAI PRECISION IND CO.,LTD
	MATERIAL	PART No (INTENDED USE)	TITLE
	SEE BOM	703-30NN-290	RF CABLE
	FINISH	DESIGN .	30 AWG, CONSTRUCTION
	SEE NOTES	DWG No.	703-3000-290
	QTY	CHECKED	SCALE SHEET REV.
		DRAFTER	NONE 1/1 C

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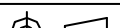
REV.	ECN.	NO	APPD
D	MC001768	Loi	5/12/00

NOTES:

1. CAPACITANCE: 30.5 pF/FT.
2. CONDUCTOR RESISTANCE: 264 OHMS/M' AT 20°C.
3. CONDUCTOR: 30 AWG, SOLID SP COPPER WELD 0.010" NOM. OD.
4. INSULATION: 30AWG, FEP, 0.031" OD., 0.0107" AVG WALL.
5. BRAID SHIELD: 30AWG, 6 ENDS 44 AWG TINNED COPPER, 95% MIN. COVERAGE.
6. JACKET: 30AWG, FEP, 0.050" ± 0.002" OD., 0.004" AVG WALL.
7. TEMPERATURE RATING: -70°C ~ +200°C.
8. NO MARKING.



014-3031-153	HITACHI HCM-40309/1	30AWG	BLACK
FOXCONN P/N	VENDOR & P/N	AWG	JACKET COLOR

X.±	X.±	UNITS [INCH]	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD TAIPEI, TAIWAN, R.O.C.								
.X±	.X±	MAT'L		PART NO.(INTENDED USE)	TITLE							
.XX± 0.05	.XX±				COAXIAL CABLE							
.XXX±	.XXX±	FINISH		APPD: Sheng Tai	DWG NO: 014-0000-153							
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		SCALE	SHEET				REV					
N/A	1/1	D										
DR:Duke Du 1/17/2001												

SCALE 10.000

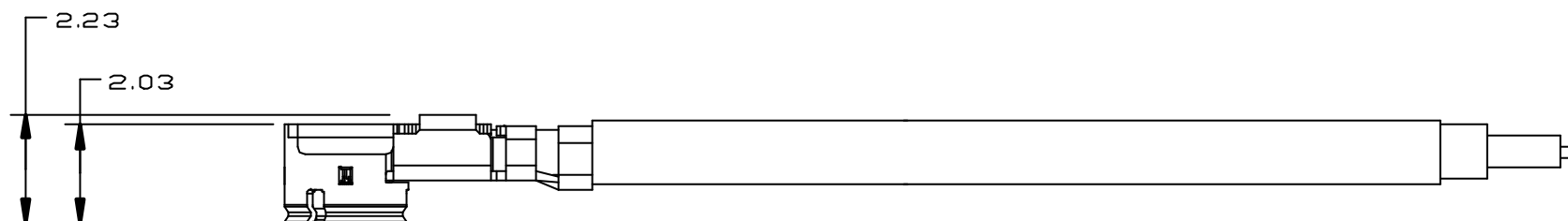
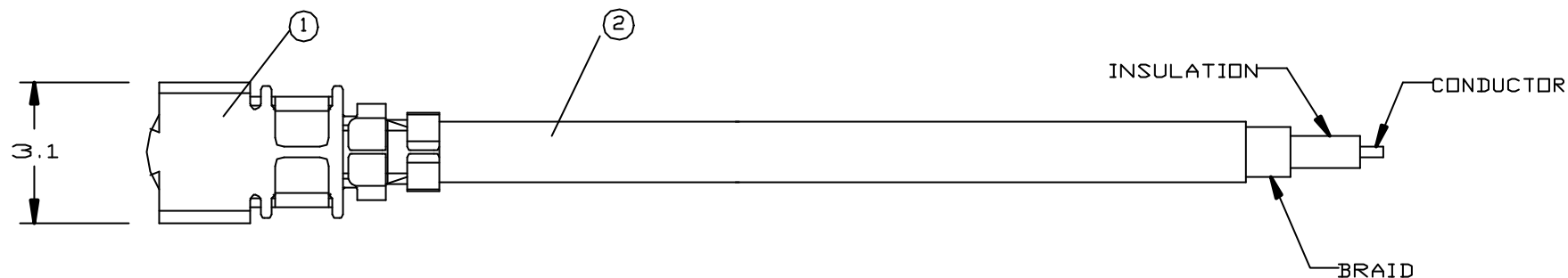
GENERAL SPECIFICATION:

1. CONTACT RESISTANCE: 20 MILIOHMS MAX.
2. INSULATION RESISTANCE: 500 MEGOHMS MIN.
3. WITHSTAND VOLTAGE 200 V_{ac}
4. CONNECTOR V.S.W.R.: 1.3 OR LESS AT DC TO 3 GHz
5. OPERATION TEMPERATURE: -40°C TO 90°C

RF CABLE ASSEMBLY MATERIAL:

1. CONTACT: COPPER ALLOY, GOLD PLATING
2. HOUSING: THERMOPLASTIC, UL 94V-0 RATED
3. METAL SHELL: COPPER ALLOY, SILVER PLATING
4. CABLE: 30AWG&32AWG SOLID COAXIAL CABLE.
5. PART NO. MATRX: SGX0001-00

REV.	ECN. NO.	APPD.
X2		D, KD



2	WIRE	703-3000-291	30AWG SOLD COAXIAL CABLE	A/R
1	RF CONN.	SGX0001-00	FOXCONN: EP01-025-001	1 PCS
ITEM	PART NAME	FOXCONN PART NO.	EQUIVALENT VENDOR & PART NO.	Q'TY

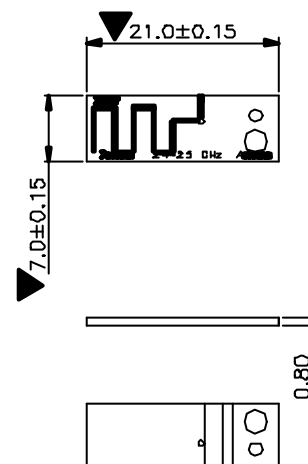
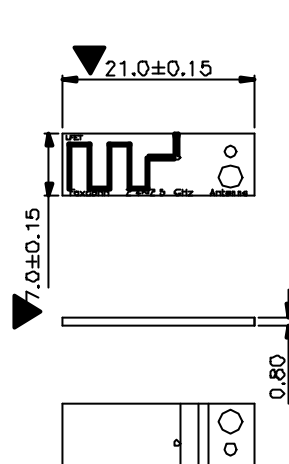
X.±	X.±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X±0.1	.X±	MAT'L		SGX0001-00	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX±0.1	.XX±	SEE NOTES		PART NO.(INTENDED USE)	TITLE:
.XXX±	.XXX±	FINISH		SGX0001-00	RF CABLE ASSEMBLY
				APPD: D, KD	DWG NO:
				CHKD:	EP01-025-001
				DR: D, KD 12/2/00	SCALE SHEET REV.
					10:1 1/1 X2

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REV	ECN.	NO	APPD.
A			

NOTES:

1. ALL DIMENSIONS SHALL BE INTERPRETED PER ANSI Y14.5M-1982.
2. DIMENSIONS MARKED ▼ SHALL BE CHECKED.
3. PCB'S MATERIAL : FR-4 THICKNESS 0.8MM.



2	040-0002-896	II
1	040-0001-896	I
ITEM	P/N	TYPE

X ±	X* ±	UNITS	mm	NAME(INTENDED USE)	FOXCONN
.X ± ±0.2	X* ±	MAT'L		FOR QUANTA KT6	HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.
.XX ± ±0.1	XX* ±	3		PART NO.(INTENDED USE)	TITLE:
.XXX ±	XXX* ±	FINISH		APPD. Sheng Tai 3/7/02	PCB ANTENNA
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				DR: Paul Zhou 3/7/02	040-0000-896
				DR: Paul Zhou 3/7/02	SCALE SHEET REV
					N/A 1/1 A

NOTES:

▲ UL MARKING.

2. RATING : UL 224, 125°C, 600V, VW-1
CSA, 125°C, 600V, OFT

3. DIELECTRIC STRENGTH : 500 V/MIL

4. VOLUME RESISTIVITY : 10^{14} OHM-CM.

5. TENSILE STRENGTH : 10.3 MPa (1500 psi) MIN..

6. PART NO. MATRIX: 080- A B CC - 620

A: EQUIVALENT VENDER
& PRODUCT

A=0: SUMITUBE F2-*

A=1: FAVORTRON FVC-2-*

A=2: SUMITUBE F32-*

A=3: CHANGBAO 102-*

A=4: SUMITUBE F4-*

A=5: HB T*ø

CC: INSIDE DIMENSION ID.

B: COLOR

B=0: BLACK.

B=1: WHITE.

B=2: RED.

B=3: BLUE.

B=4: GREEN.

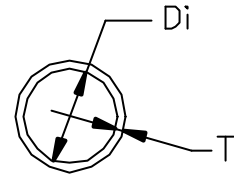
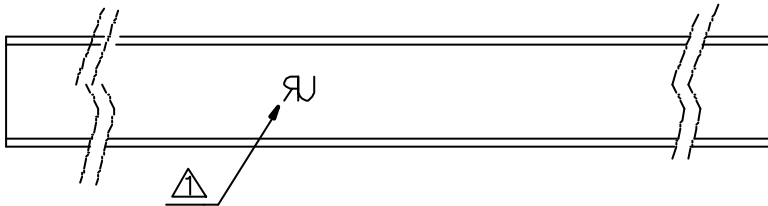
B=5: YELLOW.

B=6: ORANGE.

B=7: PURPLE.

B=8: GRAY

REV.	ECN.	NO.	APPD.
A	HC95121	JEFF C.	1/20/95
B	HC96190	C. CHEN	2/7/96
C	HC96670	C. CHEN	5/7/96
D	HC961695	CHARLES	
E	HC971231	C. CHEN	6/18/97
F	MC991918	LAI	5/31/99
G	MC993360	LAI	10/16/99
H	MCD01163	LAI	4/11/2000
K			



X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.			
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)	TITLE: HEAT SHRINKABLE TUBE			
.XX± 0.15	.XX°.±						
.XXX±	.XXX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001	DWG NO.: 080-0000-620			
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HON HAI PRECISION IND CO., LTD. AND SHALL NOT BE REPRODUCED COPIED OR USED IN ANY MANNER WITHOUT THE PRIOR WRITTEN CONSENT OF HON HAI PRECISION IND CO., LTD.		Q'TY	CHKD:		SCALE	SHEET	REV.
			DR: H.C.ZHENG 6/15'2001		N/A	1/2	K

		1		2		3		4	
								REV.	ECN. NO. APPD
A									A
B									B
C									C
D									D
E									E

080-**-25-620	0.8	0.13	0.4	0.20
080-**-24-620	14.0	0.30	7.0	0.64
080-**-23-620	1.0	0.20	0.5	0.33
080-**-22-620	50.0	0.40	25.0	0.87
080-**-21-620	38.0	0.40	19.0	0.87
080-**-20-620	30.0	0.40	15.0	0.87
080-**-19-620	25.0	0.40	12.5	0.87
080-**-18-620	22.0	0.40	11.0	0.77
080-**-17-620	20.0	0.35	10.0	0.77
080-**-16-620	18.0	0.35	9.0	0.77
080-**-15-620	16.0	0.30	8.0	0.69
080-**-14-620	12.0	0.25	6.0	0.56
080-**-13-620	11.0	0.25	5.5	0.56
080-**-12-620	10.0	0.25	5.0	0.56
080-**-11-620	9.0	0.25	4.5	0.56
080-**-10-620	8.0	0.25	4.0	0.56
080-**-09-620	7.0	0.25	3.5	0.56
080-**-08-620	6.0	0.25	3.0	0.56
080-**-07-620	5.0	0.25	2.5	0.56
080-**-06-620	4.0	0.25	2.0	0.44
080-**-05-620	3.5	0.25	1.75	0.44
080-**-04-620	3.0	0.25	1.50	0.44
080-**-03-620	2.5	0.25	1.25	0.44
080-**-02-620	2.0	0.25	1.00	0.44
080-**-01-620	1.5	0.20	0.75	0.36
Part Number 	Inside Diameter, Di (min.)	Wall Thickness, T (nomi.)	Inside Diameter, Di (max.)	Wall Thickness, T (min.)
	As Supplied		After Shrinkage	

X.±	X°.±	UNITS mm	NAME(INTENDED USE)	FOXCONN HON HAI PRECISION IND. CO.,LTD. TAIPEI, TAIWAN, R.O.C.						
.X± 0.2	.X°.±	MAT'L	PART NO.(INTENDED USE)							
.XX± 0.15	.XX°.±	FINISH	APPD: H.C.ZHENG 6/15'2001	TITLE: HEAT SHRINKABLE TUBE						
.XXX±	.XXX°.±		CHKD:	DWG NO.: 080-0000-620						
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			SCALE		SHEET	REV.				
N/A	2/2	K								