

# Company Profile

# YIC

YUECHUNG INTERNATIONAL CORP.(YIC)

20F-4, No.79, Sec.1, Hsin Tai Wu Rd., His-Chih, Taipei Hsien, Tawan.

Mar 10<sup>th</sup>, 2017

<http://www.yic.com.tw>

# YIC

## Company Information (1 of 3)

- **Company Name** : Yuechung International Corp. (YIC)
- **President** : Y.M. Hsu
- **Established** : November, 1994
- **Staffs Strength** : H/Q Taiwan : 16  
Factory, Yantai China : 110  
Branch , Shenzhen China : 6

---

G-TTL : 132

- **Headquarter , Taiwan:**

**Address** : 20F-4, No. 79, Sec.1, Hsin Tai Wu RD., Hsi-Chih, Taipei Hsien, Taiwan.

**Tel** : +886-2-2698-2191(REP.)    **Fax** : +886-2-2698-2192 / 2698-2193

**URL** : <http://www.yic.com.tw>    **E-mail** : [service@yic.com.tw](mailto:service@yic.com.tw)

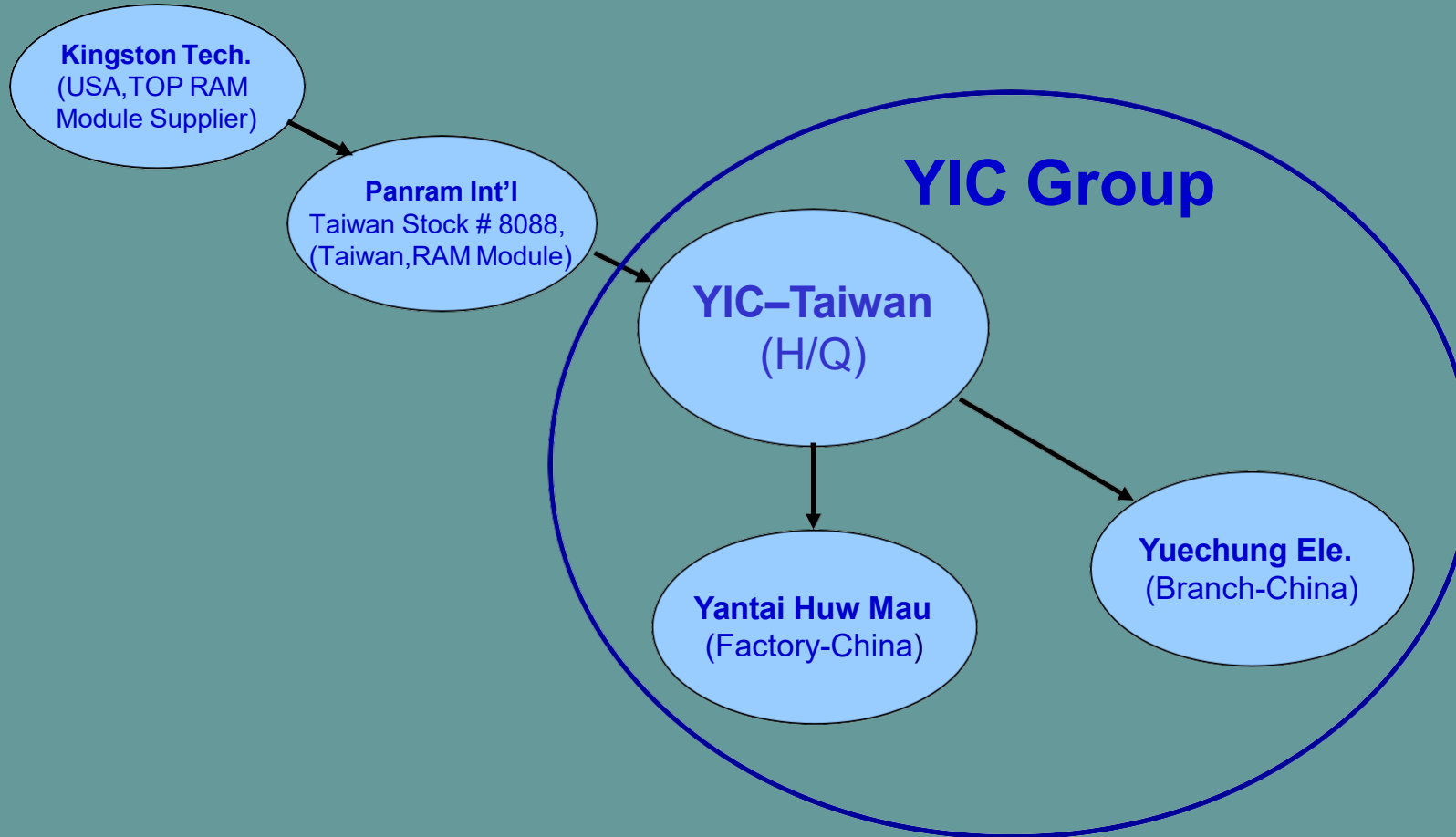


<http://www.yic.com.tw>

# YIC

## Company Information (2 of 3)

### ■ YIC Group & Related Companies :



<http://www.yic.com.tw>

### ■ Factory , Yantai China :

#### Yantai Hua Mao Electronics

Floor Area:18,114m<sup>2</sup>,Ground Area:8,602 m<sup>2</sup>,  
ISO-9001:2008 / ISO-14001:2004 Certified

Address: No. 2 , Huashan Rd., Yan Tai ETDX , China



### ■ Branch , Shenzhen China :

#### Yuechung Electronics (Shenzhen)Co.,Ltd.

TEL : 86-755-8204-4536~7      FAX : 86-755-8204-4415



### ■ Related Company :

#### Panram Int`l Corp.(A OTC`S Stock Listed Company #8088)

Address : No. 200 , Sec .3,Tatong RD., His-Chih,  
Taipei Hsien, Taiwan





CFL CERTIFICATION CENTER  
 CERTIFICATION OF QUALITY MANAGEMENT SYSTEM

Registration No: 06511Q21569R0S

**YANTAI HUAMAO ELECTRONICS CO., LTD.**

NO.22 HUASHAN ROAD, YANTAI ETDX, CHINA, 264006.

Complies with the requirements of

**GB/T19001-2008 idt ISO 9001: 2008**

The scope of certification covers:

THE PRODUCTION OF QUARTZ CRYSTAL RESONATOR

The 1st surveillance	The 2nd surveillance	The 3rd surveillance
----------------------	----------------------	----------------------

The certificate owner should accept the supervise auditing not less than three times in the period of validity

Date of Registration: 2011-12-26      Date of Expiry: 2014-12-25



MANAGEMENT SYSTEM  
 CNAS C065-Q

Add:A301,Dehai Edifice,No.A39,Xingfu Avenue,Chongwen District,Beijing,100061,P.R.C.

Inquiring Website:www.bjzwl.org      Inquiring Telephone:010-67161955



CFL CERTIFICATION CENTER  
 CERTIFICATION OF ENVIRONMENTAL MANAGEMENT SYSTEM

Registration No: 06511E20070R0S

**YANTAI HUAMAO ELECTRONICS CO., LTD.**

NO.22 HUASHAN ROAD, YANTAI ETDX, CHINA, 264006.

Complies with the requirements of

**GB/T24001-2004 idt ISO 14001: 2004**

The scope of certification covers:

LOCATED IN NO.22 HUASHAN ROAD, YANTAI ETDX, YANTAI HUAMAO ELECTRONICS CO., LTD, THE PRODUCTION OF QUARTZ CRYSTAL RESONATOR ENVIRONMENTAL MANAGEMENT ACTIVITIES

The 1st surveillance	The 2nd surveillance	The 3rd surveillance
----------------------	----------------------	----------------------

The certificate owner should accept the supervise auditing not less than three times in the period of validity

Date of Registration: 2011-12-26      Date of Expiry: 2014-12-25



MANAGEMENT SYSTEM  
 CNAS C065-E

Add:A301,Dehai Edifice,No.A39,Xingfu Avenue,Chongwen District,Beijing,100061,P.R.C.

Inquiring Website:www.bjzwl.org      Inquiring Telephone:010-67161955



# YIC

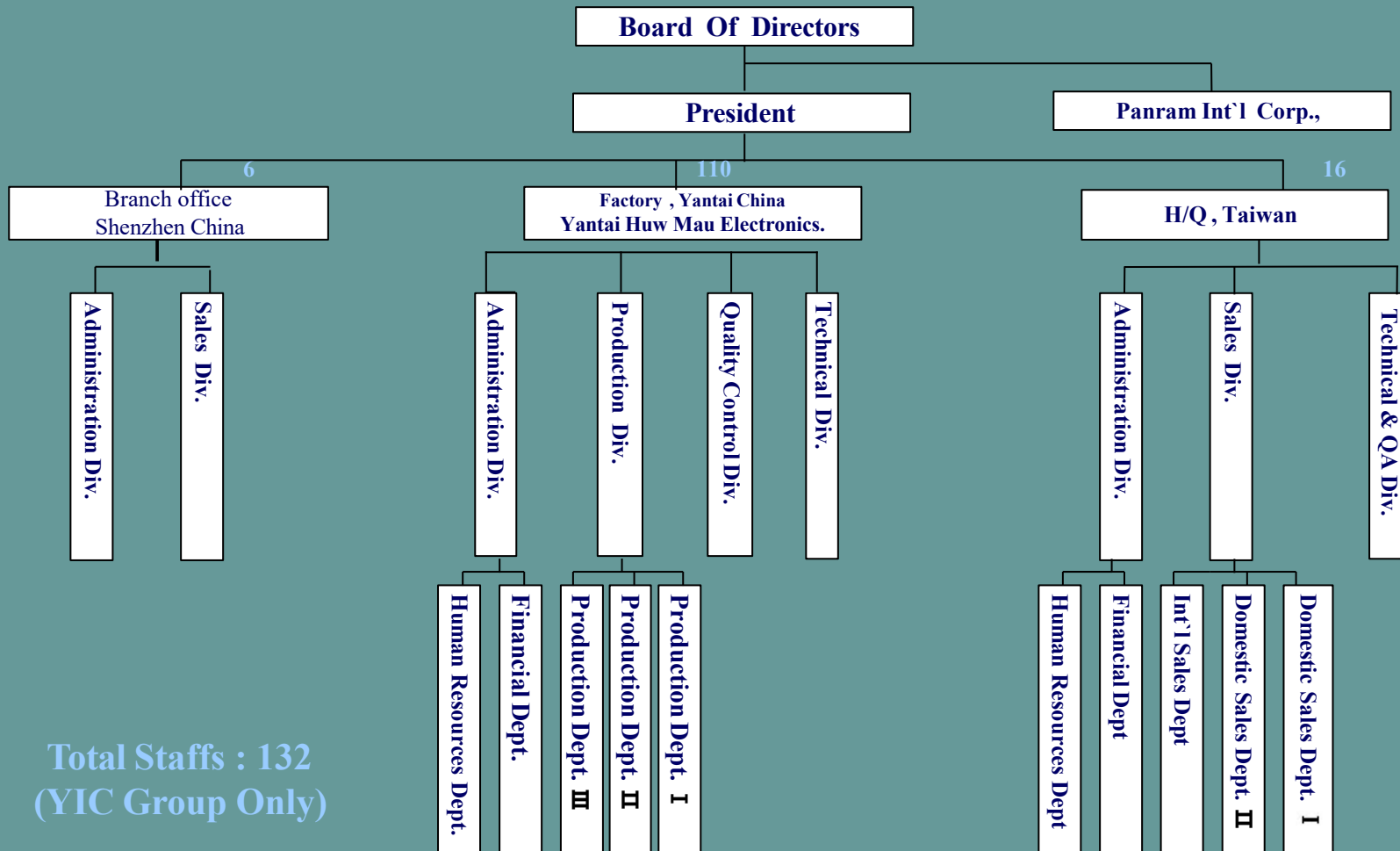
## Background

- A Major supplier for **Frequency Control & GPS Products** in Taiwan.
- Major customers include over 30 stocks listed companies.
- Market coverage:  
Telecom(Wlan,Bluetooth,XDSL Gigabit Ethernet,2.4G,ZigBee,M2M,GPS,Set Top Box,FTTH,.....),PC & Peripheral,Industrial,Medical,Vehicle & Consumer
- Instant Services from **YIC** Worldwide Distributors
- A member of **QIAT** (Quartz Industries Association of Taiwan)—A Supervisor Company, **TECSA** (Taipei Electronics Components Suppliers) & **TEEMA** (Taiwan Electrical and Electronic Manufacturer's Association)
- Bank Information:

Land Bank of Taiwan Hsiu-Yi Branch    US\$ A/C:079-10100-3162

<http://www.yic.com.tw>
















## Organization Chart



Total Staffs : 132  
(YIC Group Only)

# YIC

## YIC At Here









				
Card Reader	Notebook ,Interface Adaptor	Video Conference Monitor	Notebook , Camera	Monitor & Control Card
				
Tablet ,USB to LAN	Bluetooth Keyboard/Mouse	POS	Automotive ,Parking Sensor	Android Game
				
Notebook ,HDMI to VGA	LCD Panel , Inverter	Motorcycle , Panel	Industrial PDA	Storage

★ These Trademarks list here are belong to their original owner

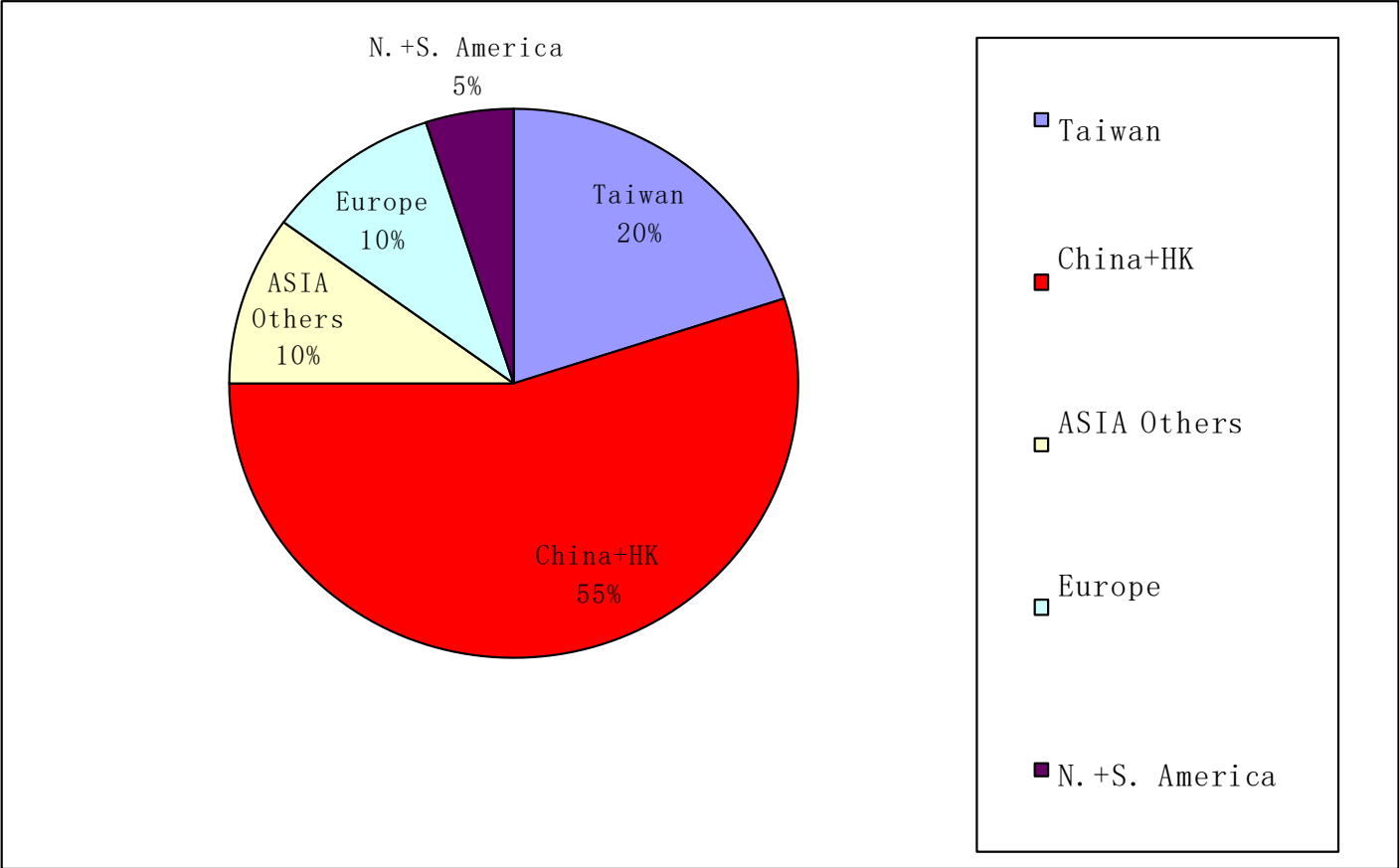
<http://www.yic.com.tw>

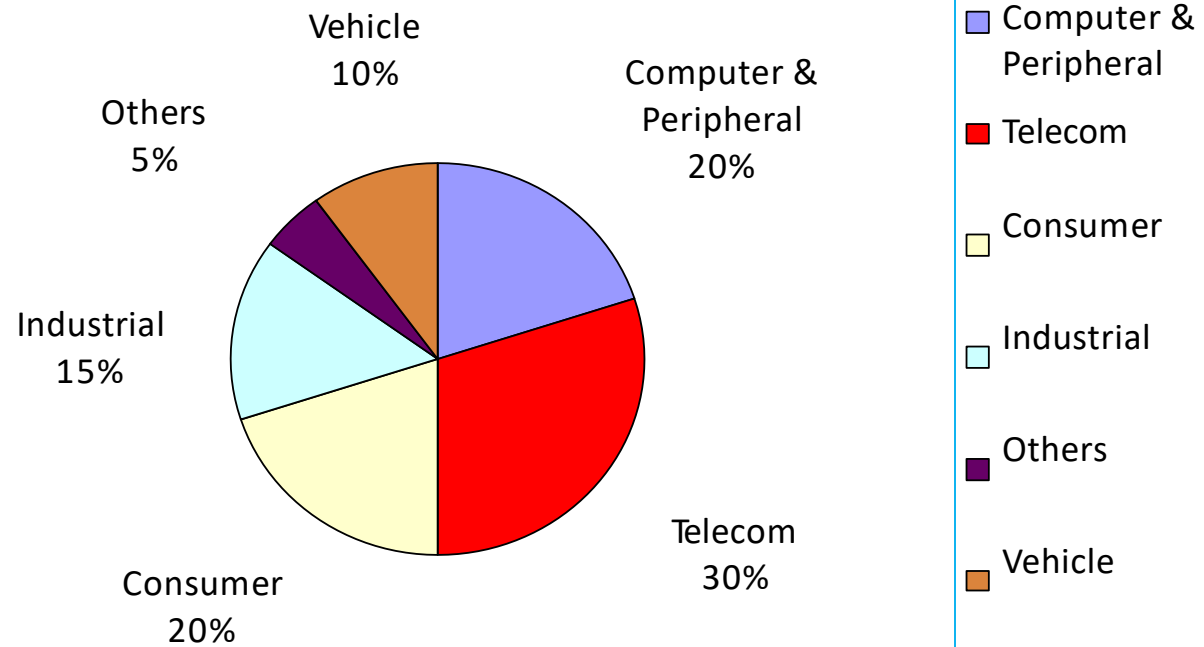


## Partners of Main Chip

			
奕力Iitek	義隆EMC	盛群Holtek	聯陽ITE
			
聯發科 Mediatek	聯詠Novatek	意法半導體 STMicroelectronics	凌陽Sunplus

★ These Trademarks listed here are belongs to their original owner.





### ■ Frequency Control Products

Crystal Units.

Clock Oscillators , VCXO , TCXO , VCTCXO , OCXO.

Monolithic Crystal Filters (MCF)

Ceramic Resonators & Filters.

SAW Resonators & Filters.

### ■ GPS Modules & Antennas

GPS Modules

GPS Receivers (G-Mouse)

GPS & Combo Antennas

RF Antennas

## Production Capacity (Monthly)

### ■ Frequency Control Products:

□	49Series	15MPCS
□	SMD2520	2MPCS
□	SMD3225	14MPCS
□	SMD5032~7050	8MPCS
□	OSC(Seam)	5MPCS
□	OSC(Glass)	8MPCS

### ■ GPS Modules & Antennas :

□	GPS Receivers & Modules	1MPCS/M
□	GPS Antennas	1MPCS/M
□	RF Antennas	2MPCS/M

### Crystal Units

- **SMD Type**

- MHZ:

- 7050,6035,5032,3225,2520,2016,1612,1210

- KHZ:

- 1610E,2012E,3215E,6914E,MC306,SM26B,SM26BSP

- **Through-Hole Type**

- 49U:1.8M~200MHZ

- 49US/SL:3.0M~80.0MHZ

- 49SMT/SLMT:3.0M~80.0MHZ

- Cylinder:20kHz~70.0MHZ



### Clock Oscillators

- **CMOS:**

- Half : 0.02MHz~160.0MHz , 0.032768MHz
- Full : 0.02MHz~160.0MHz , 0.032768MHz
- S7 : 0.5MHz~160.0MHz , 0.032768MHz
- S5 : 0.5MHz~160.0MHz , 0.032768MHz
- S3 : 1.0MHz~50.0MHz , 0.032768MHz
- S22 : 1.0MHz~50.0MHz , 0.032768MHz
- S21 : 1.0MHz~50.0MHz , 0.032768MHz

- **LVDS:** 15.0MHz~156.25MHz,7050,5032,3225

- **LVPECL:** 15.0MHz~200.MHZ,7050,5032,3225



### TCXO, VCTCXO & OCXO

- **TCXO, VCTCXO :**

- 32.768KHz~160.0MHz

- SMD : 11.4x9.6, 7050, 5032, 3225

- Through-Hole : 1812, 2013, 1313

- **OCXO :**

- 1.0~160.0MHz

- Through-Hole : 5151, 3939, 3627, 2525, 2020, 2013





### Pixzoelectric Ceramic Type

- **Ceramic Resonators**

- 190KHZ~60.0MHZ

- Through-Hole,SMD (Murata CC,CS,CV,CR,CE,CW Compatible)

- **Ceramic Filters**

- 450KHZ~470KHZ,10.52MHZ,10.7MHZ,4.5/4.72/5.5/5.74/6.0/6.25/6.5/6.74MHZ

- Through-Hole & SMD

- **Ceramic Discriminators**

- 455K,10.7M,3.58~6.5M

- Through-hole & SMD

- **Ceramic Traps**

- 3.58/4.43/4.5/5.5/5.74/6.0/6.5MHZ

- Through-Hole



- **GPS Receiver Modules**

- **Platform : MTK**

Chip : MT3337,MT3339,MT3333

System : GPS,GPS & Glonass,GPS & BDS(BeiDou)

Interface : UART

Dimension : 1009,1513,1612,1613,2217

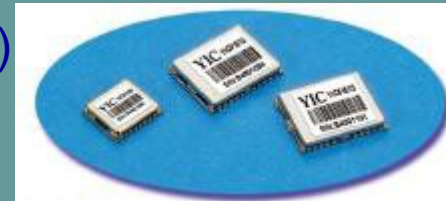
- **Platform : UBLOX**

Chip : U7,M8

System : GPS,GPS & Glonass,GPS & BDS(BeiDou)

Interface : UART/DDC/USB/SPI

Dimension : 1009,1513,1612,1613,2217



- **GPS Antenna Modules**

- **Platform : MTK**

Chip : MT3337,MT3339,MT3333

System : GPS,GPS & Glonass,GPS & BDS (BeiDou)

Interface : UART/TTL

Dimension : 1513,1515,1818,2222,2813,2925

- **Platform : UBLOX**

Chip : U7,M8

System : GPS,GPS & Glonass,GPS & BDS(BeiDou)

Interface : UART/TTL

Dimension : 1513,1818,1818L,2525,2813,2925



### ● GPS Receivers (G-Mouse)

· **Feature** : Quick 1 Second Hot Start & 29 Second Cold Start  
Baud Rate 9600  
Operation Temperature -40~+85C

· **Platform** : UBLOX 7, UBLOX M8, MT3337, MT3339, MT3333

· **Interface** : UART/TTL, USB, RS232

· **Dimension** : 50.08x39.5x19.5mm(H) , 47.1x36.9x12.5mm(H)

· **Connection** : USB, Mini USB, Ear Jack, RJ-45,.....



### ● GPS & Combo Antennas

#### · External Active Antennas

- GPS, GPS & Glonass, GPS & BDS (BeiDou)
- GPS+LTE/3G/GSM+WiFi
- GPS+3G/GSM
- GPS+WiFi
- -----

#### · Internal Antennas

- GPS, GPS & Glonass, GPS & BDS (BeiDou)
- 10x10, 12x12, 15x15, 18x18, 25x25, 35x35mm

#### · Patch Antennas

- GPS, 10x10, 12x12, 15x15, 18x18, 25x25, 35x35mm
- GPS & GLONASS, 15x15, 18x18, 25x25, 35x35mm
- GPS & BDS (BeiDou), 25x25, 35x35mm



### • RF Antennas

#### • External Antennas

4G/LTE  
3G  
2.4G/5.8G WiFi  
GSM  
AM/FM  
Combo  
-----

#### • PCB Internal Antennas

4G/LTE  
3G  
2.4G/5.8G WiFi  
GSM

#### • Flexible PCB Internal Antennas

4G/LTE  
3G  
2.4G/5.8G WiFi  
GSM



# YIC

## Production In Yantai China Factory (1) - Office



<http://www.yic.com.tw>

# YIC

## Production In Yantai China Factory (2) - Fine Tune



<http://www.yic.com.tw>



# YIC

## Production In Yantai China Factory (3) - Testing



<http://www.yic.com.tw>

# YIC

## Production In Yantai China Factory (4) - Packing

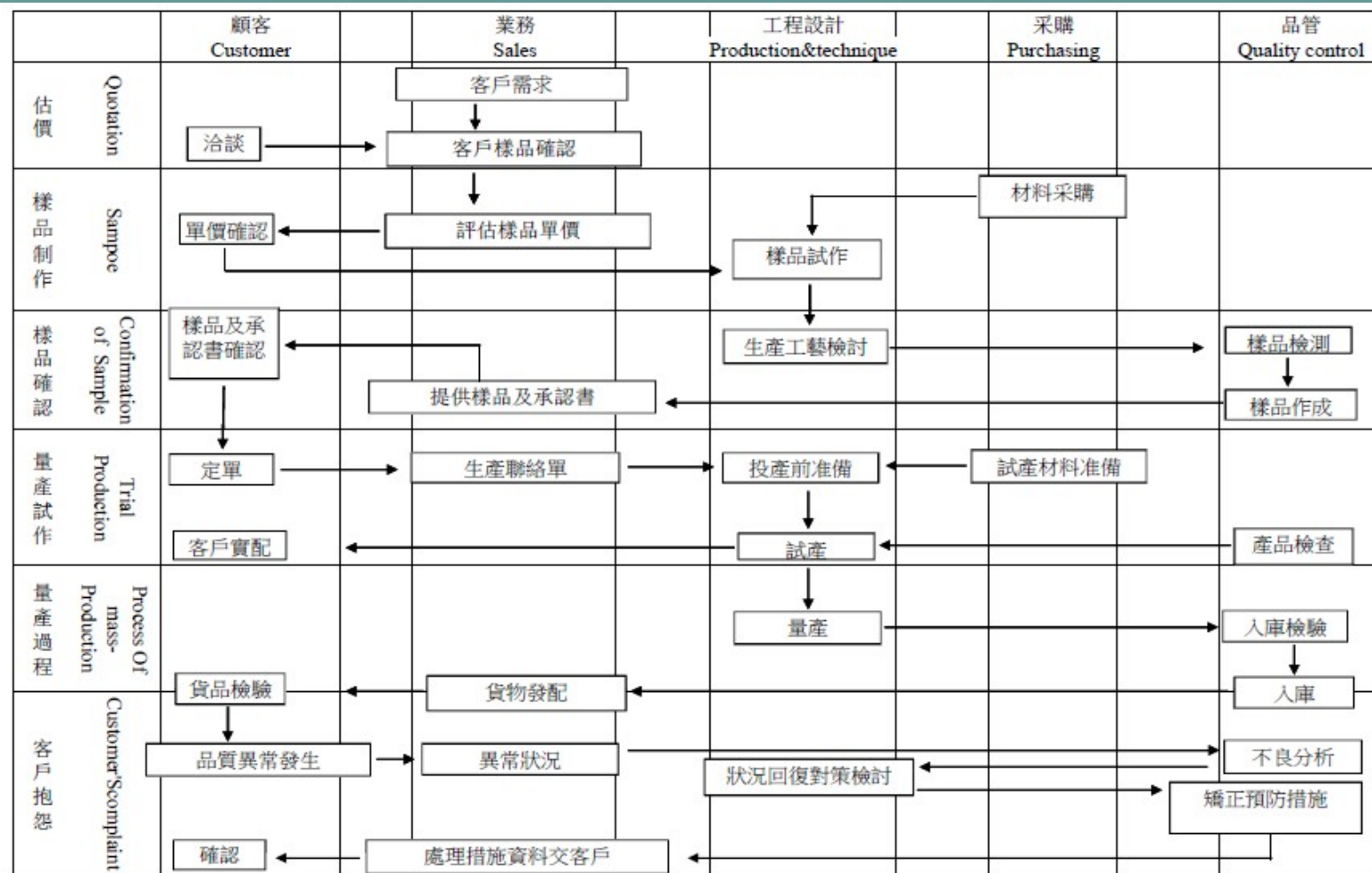


<http://www.yic.com.tw>

## Production Procedure of Crystal Units



## Quality Flowchart



# YIC Facilities

NO	NAME	SPECIFICATION
1.	CRYSTAL BLANKS WASHING MACHINE (ULTRASONIC WAVE)	H66MC-WUXI ULTRASONIC
2.	QUARTZ CRYSTALS POINTSPASTERN MACHINE	CZB7512-GUOXING
3.	FINE TUNING MACHINE FOR QUARTZ CRYSTALS	GT2010-QUANFANG
4.	COATING MACHINE FOR QUARTZ CRYSTALS	GT3000-QUAAFANG
5.	QUARTZ CRYSTAL IMPEDANCE TESTING MACHINE	CZ150-CEZHIBAO
6.	MICROCOMPUTER SEALING WELDING MACHINE	DRF3000C-GREAT DRAGON
7.	AUTOMATIC LEAKAGE TESTING MACHINE FOR QUARTZ CRYSTALS	JL100A-SANHO
8.	CRYSTALS AGING DRYING OVEN	DGG101-2-TIANYU
9.	NETWORK ANALYZER	KH1200-KOLINLER
10.	AUTOMATIC CRYSTALS TESTING MACHINE	FX803A-SANHO
11.	NETWORK ANALYZER	250B-S&A
12.	LASER MARKING MACHINE	JBK-LIC-DAHENG-
13.	TEST & SORT SYSTEM	350D-S&A
14.	SPECTRUM ANALYZER	AGILENT E4404B
15.	GPS SIGNAL GENERATOR	AGILENT E4438B
16.	GPS REPEATER	TOJOIN GPS-3000A

<http://www.yic.com.tw>

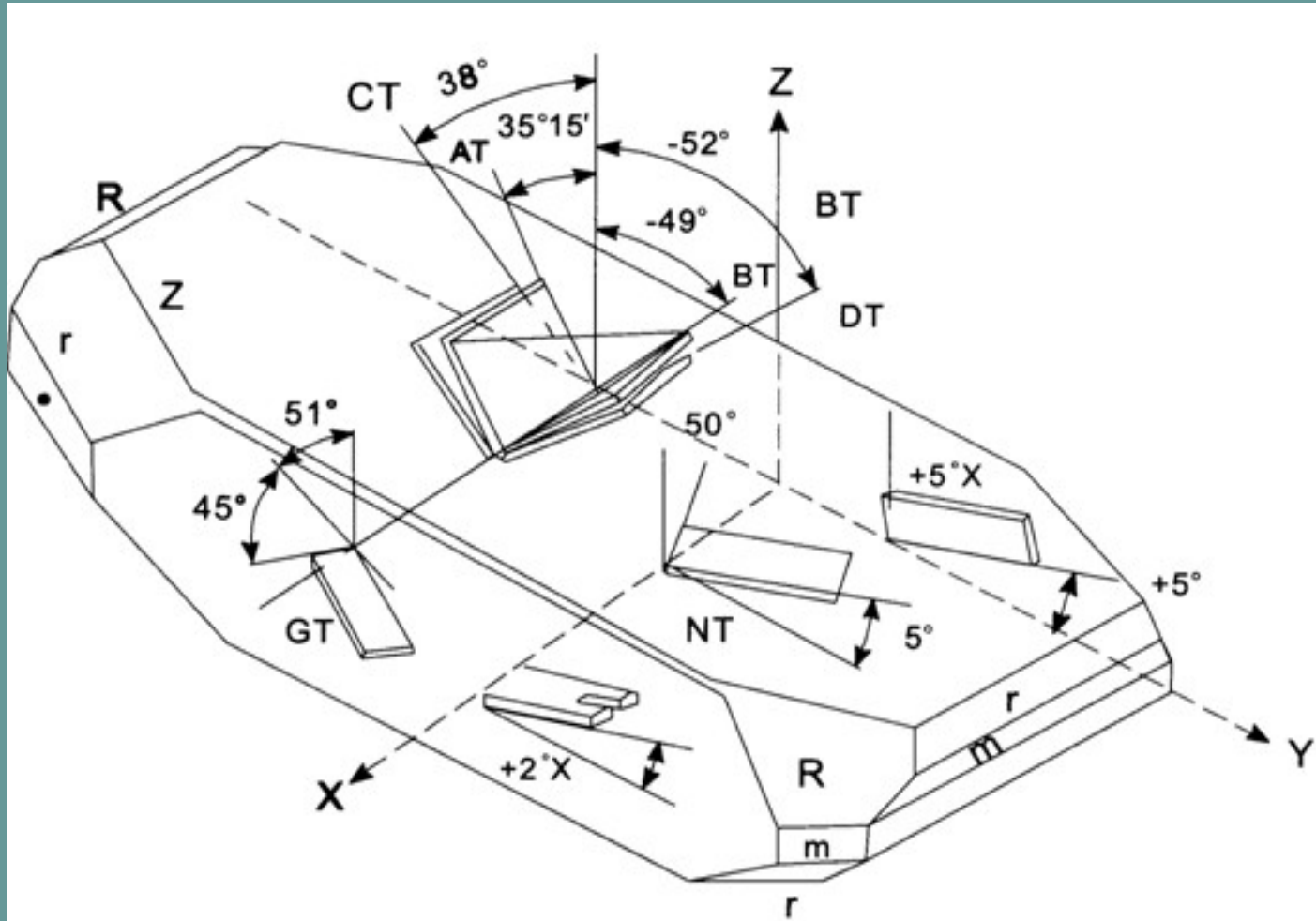


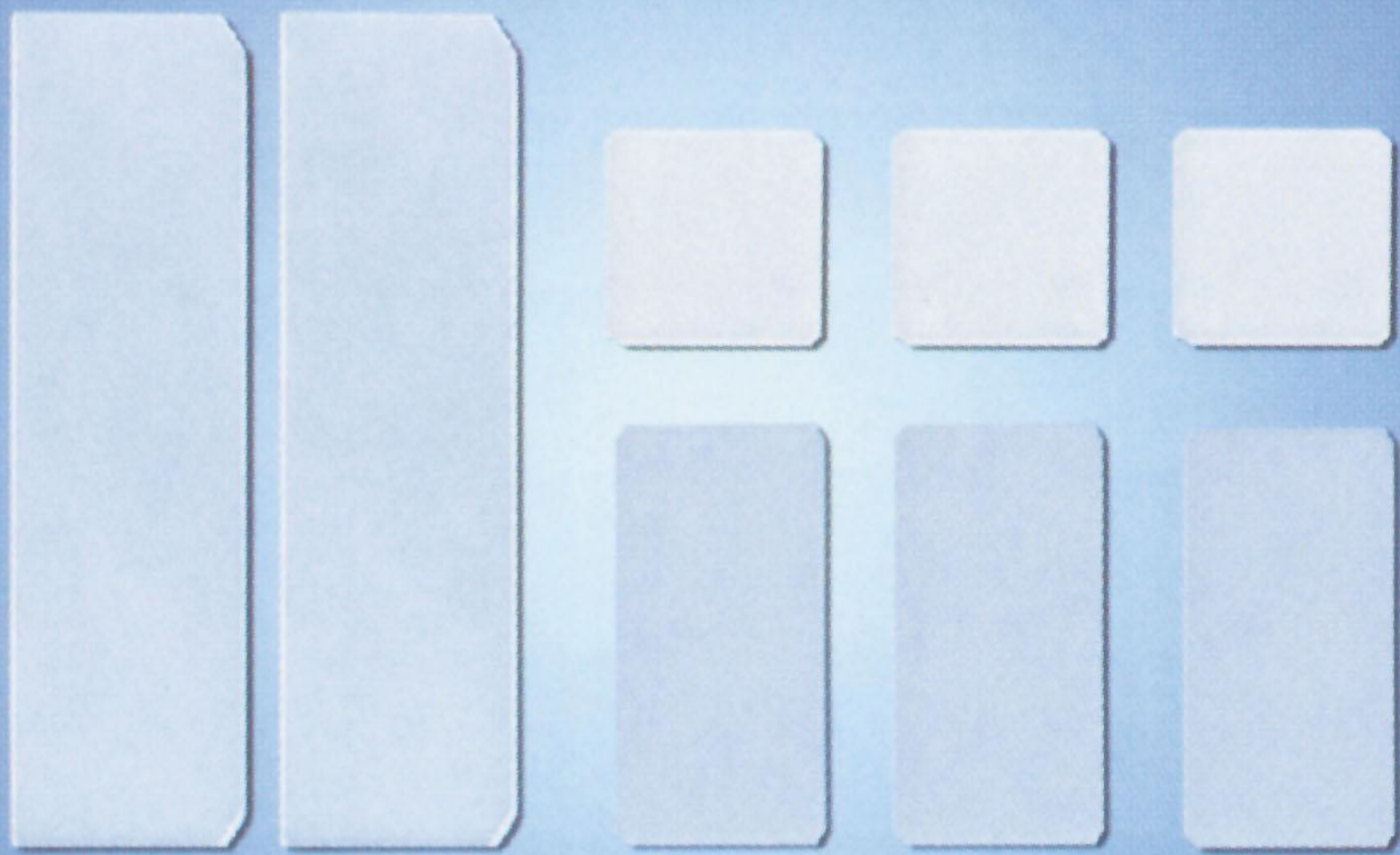
Crystal Bar

<http://www.yic.com.tw>

# YIC

## Bar Cutting





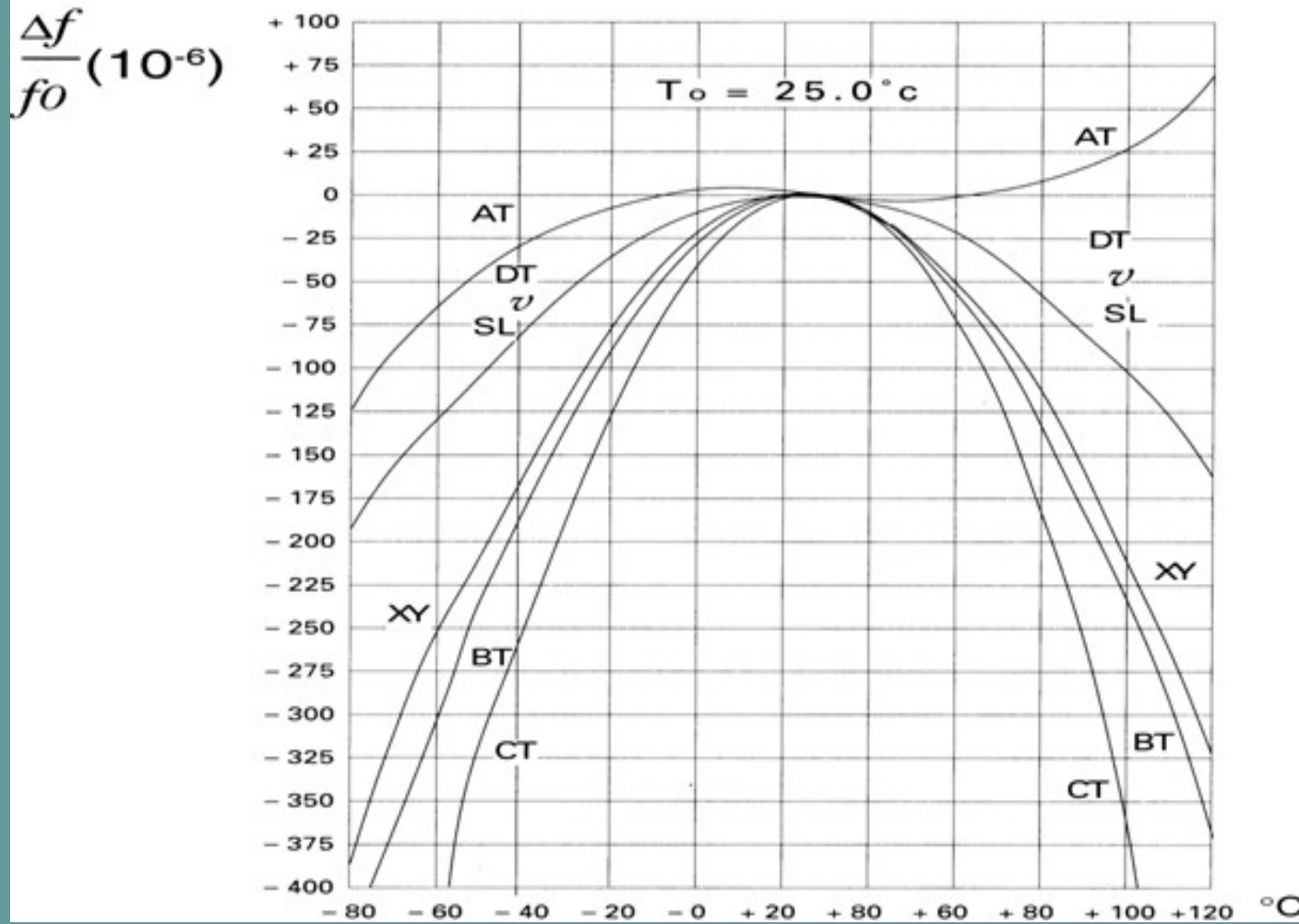
wafers & blanks

<http://www.yic.com.tw>



# YIC

## Temperature Vs. PPM



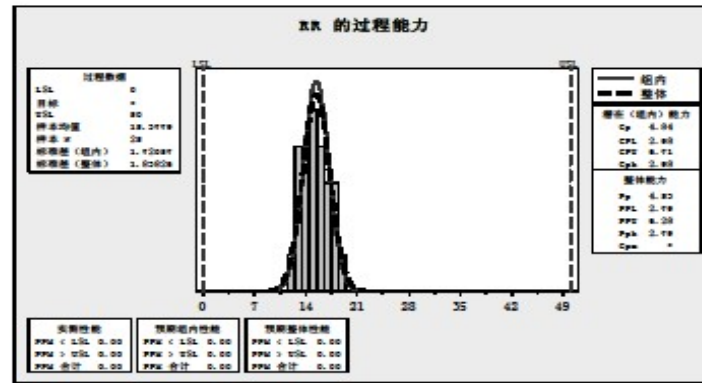
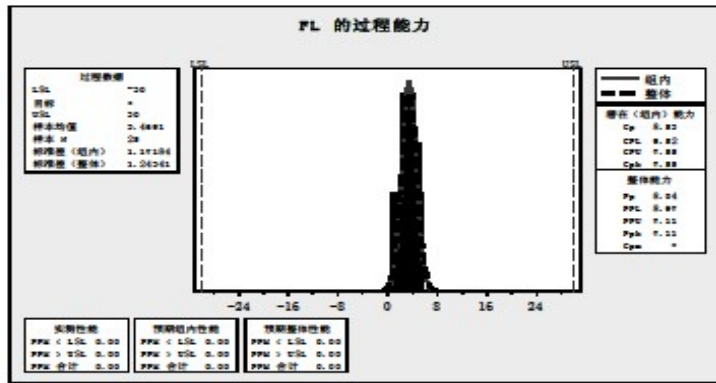
## Function Test (1) – Frequency Control Products

EXCEL EXPORT PRINTOUT FORMAT  
Run Name: 16M12F2XT324

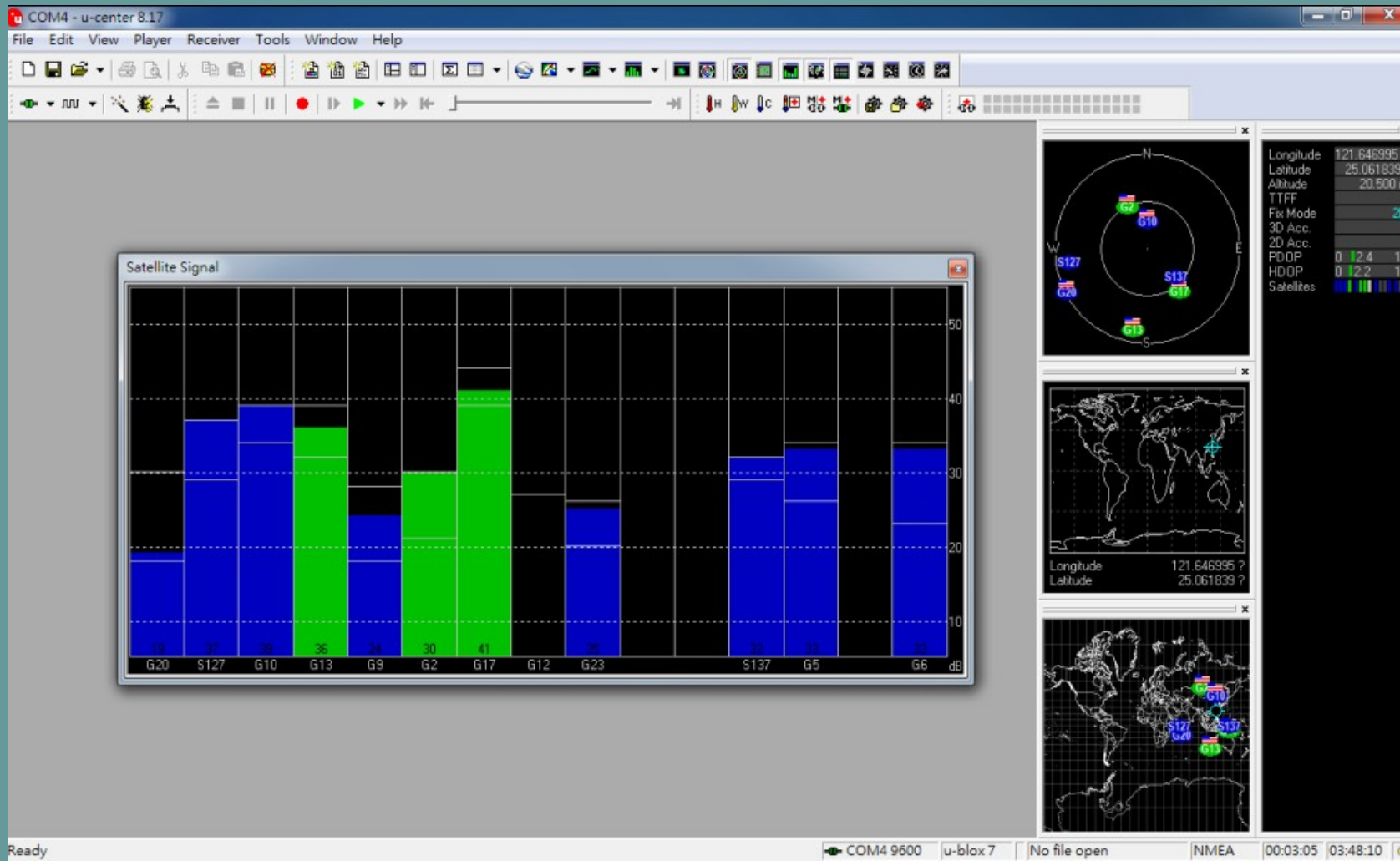
Run Date : 21-Nov-2006 11:09 pm  
S&A 250B: 11.26 Report: 4.62

Reference Fr: 16,000,000.00 (Using Measured FL)  
Power: 200.00 uW Into 40.0 ohms  
FL: No Load CL: 12.00 pF

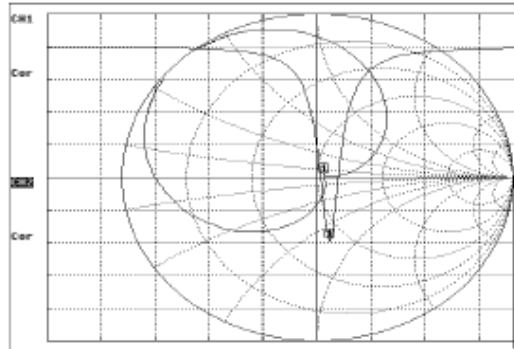
Crystal	First Failure	FR ppm	FL Hz	FL ppm	RR Ohms	C0 pF	C1 fF	L mH	C0C1	DLD2 Ohms	FDLD ppm	RLD2 Ohms	SPOB dB	Q k	TS ppm/pF
High Limit				30.0	50.0	7.0				10.00	10.00	50.0	-3.0		
Low Limit				-30.0											
1	PASS	-70.49	16,000,060.84	3.80	15.44	1.05	2.07	47.84	508.54	0.78	2.26	14.02	-9,999.00	311.50	6.07
2	PASS	-70.17	16,000,052.37	3.27	12.47	1.06	2.06	48.00	511.78	0.69	2.47	10.89	-9,999.00	386.98	6.05
3	PASS	-71.58	16,000,042.12	2.63	12.83	1.05	2.07	47.74	507.29	1.13	2.51	12.09	-9,999.00	374.12	6.08
4	PASS	-70.00	16,000,050.32	3.15	16.48	1.03	2.04	48.54	507.22	0.98	2.33	14.59	-9,999.00	296.04	6.00
5	PASS	-73.69	16,000,045.64	2.85	15.64	1.06	2.11	46.94	502.23	1.86	2.18	14.57	-9,999.00	301.60	6.18
6	PASS	-79.65	16,000,029.07	1.82	14.30	1.06	2.21	44.73	479.10	1.45	1.68	12.18	-9,999.00	314.40	6.49
7	PASS	-70.01	16,000,054.39	3.40	13.90	1.06	2.05	48.34	516.71	0.94	2.34	12.35	-9,999.00	349.55	6.00
8	PASS	-68.41	16,000,054.97	4.06	16.77	1.05	2.03	48.64	515.62	1.23	2.47	15.83	-9,999.00	291.52	5.97
9	PASS	-63.68	16,000,089.03	5.56	17.67	1.05	1.97	50.34	535.04	0.84	2.71	15.23	-9,999.00	286.35	5.77
10	PASS	-71.59	16,000,038.01	2.38	13.15	1.07	2.07	47.81	515.81	0.70	2.37	11.69	-9,999.00	365.63	6.06
11	PASS	-68.64	16,000,067.30	4.21	15.18	1.05	2.03	48.65	514.39	1.00	2.40	13.03	-9,999.00	322.05	5.98
12	PASS	-72.97	16,000,048.28	3.02	15.89	1.05	2.12	46.70	494.87	1.58	2.10	14.28	-9,999.00	295.49	6.22
13	PASS	-69.21	16,000,055.95	3.50	13.58	1.05	2.04	48.42	512.50	0.99	2.48	12.31	-9,999.00	358.43	6.00
14	PASS	-69.84	16,000,036.69	2.29	18.39	1.04	2.03	48.86	515.36	0.78	2.45	16.17	-9,999.00	267.05	5.95
15	PASS	-72.27	16,000,019.49	1.22	18.70	1.04	2.03	48.75	514.13	0.78	2.02	17.32	-9,999.00	262.01	5.97
16	PASS	-71.74	16,000,041.34	2.58	13.71	1.06	2.07	47.84	512.94	0.75	2.23	12.83	-9,999.00	350.67	6.06
17	PASS	-81.17	16,000,079.97	5.00	14.95	1.08	2.28	43.42	471.99	1.45	0.49	14.00	-9,999.00	292.01	6.66
18	PASS	-67.15	16,000,079.96	5.00	15.23	1.08	2.03	48.65	529.82	0.94	2.54	13.34	-9,999.00	321.16	5.95
19	PASS	-64.91	16,000,086.24	5.39	17.31	1.03	1.99	49.73	519.68	2.24	2.75	13.78	-9,999.00	288.74	5.86
20	PASS	-77.84	16,000,014.85	0.93	15.45	1.06	2.15	45.98	494.32	2.24	1.80	14.05	-9,999.00	299.09	6.31
21	PASS	-68.54	16,000,060.53	3.78	13.28	1.05	2.03	48.64	513.81	0.99	2.50	12.07	-9,999.00	368.24	5.98
22	PASS	-71.74	16,000,079.82	4.99	13.06	1.03	2.11	46.88	487.44	0.75	1.91	11.40	-9,999.00	360.95	6.22
23	PASS	-65.88	16,000,068.35	4.27	16.87	1.05	1.99	49.85	527.97	1.96	2.77	13.66	-9,999.00	297.11	5.83
24	PASS	-67.25	16,000,049.68	3.10	16.39	1.04	1.99	49.81	525.20	0.71	2.74	14.10	-9,999.00	305.46	5.84
25	PASS	-65.20	16,000,072.43	4.53	17.80	1.05	1.98	49.98	532.42	1.42	2.81	15.11	-9,999.00	282.25	5.81



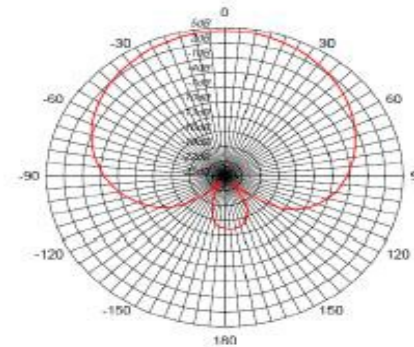
## Function Test (2) — GPS Module & Receiver



### 1.1 Impedance Characteristic

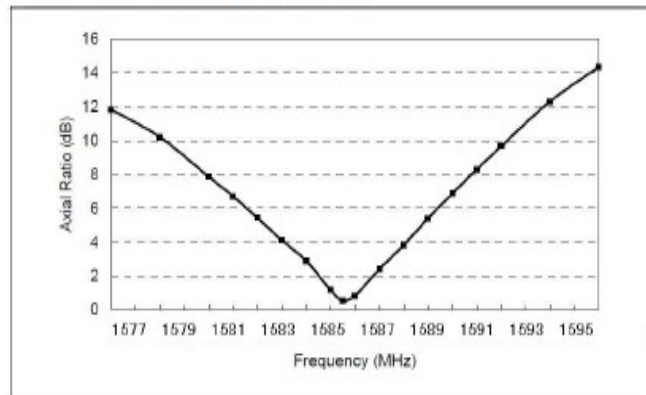


### 1.2 The Normalized Antenna Gain Chart



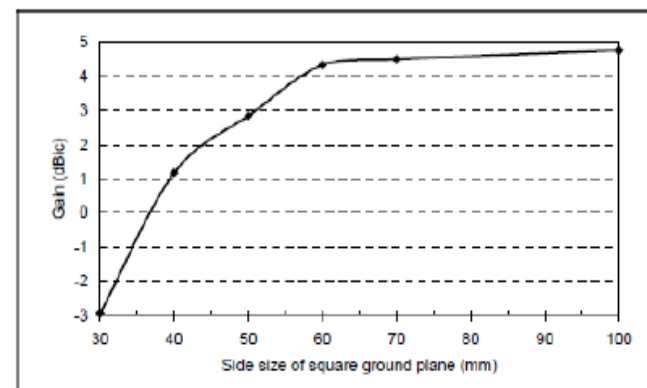
### 1.3 Measured Axial Ratio

(For Example: 1585MHz, 70mm square ground plane)



### 1.4 Antenna Gain vs. Ground Plane

(For Example: 1585MHz)



# YIC

## Cross Reference of Pixzoelectric Ceramic Type

YIC P/N	MURATA P/N
JT10.7MG3	CDA10.7MG3
CDBM455C28/3/32	CDBM455C28/3/32
LT450/455( )U	CFU450/455( )
LTM450/455( )U	CFUM450/455( )
LT450/455( )W	CFW450/455( )
LTM450/455( )W	CFWM450/455( )
CFWM455D/E/F	CFWM455D/E/F
ZTA12.01MX-50.00MX	CSA12.01MX-50.00MX
ZTA2.00MG-5.00MG	CSA2.00MG-5.00MG
ZTA5.01MT-12.00MT	CSA5.01MT-12.00MT
ZTB200D-1250J	CSB200D-1250J
ZTT(A)CC2.0MG-8.0MG	CST(A)CC2.0MG-8.0MG
ZTT(A)CR4.0MG-8.0MG	CST(A)CR4.0MG-8.0MG
ZTT(A)CS(CV)8.0MT-50.0MX	CST(A)CS(CV)8.0MT-50.0MX
ZTT(A)CW20.0MX-50.0MX	CST(A)CW20.0MX-50.0MX
ZTT2.00MG-5.00MG	CST2.00MG-5.00MG
ZTT12.01MT-50.0MX	CST12.01-50.0MX
ZTT5.01MT-12.01MT	CST5.01MT-12.01MT
LT(CA/CV/CS)10.7MA5	SFE(CA/CV/CS)10.7MA5
LT(CA/CV/CS)10.7MA5A10	SFE(CA/CV/CS)10.7MA5A10
LT(CA/CV/CS)10.7MS2	SFE(CA/CV/CS)10.7MS2
LT(CA/CV/CS)10.7MS3	SFE(CA/CV/CS)10.7MS3
LT10.7MJ	SFE10.7MJ
SFSH4.5/5.5/6.0/6.5MDB	SFSH(L)4.5/5.5/6.0/6.5MDB
SFSH4.5/5.5/6.0/6.5MCB	SFSH(L)4.5/5.5/6.0/6.5MCB
SFU465B	SFU465B
SFU455B	SFU455B
XT4.5/5.5/6.0/6.5MB	TPS4.5/5.5/6.0/6.5MB
XT6.65MW	TPWA01B
XT5.60MW	TPWA03B
XT4.60MW	TPWA05B

## Cross Reference of Crystal Unit

	YIC	Epson Toyocom	FOX	KDS	Citizen	TXC	Micro Crystal
<b>K</b>	DT26	C002R	NC26	DT26	CFS206	---	---
	DT38	C001R	NC38	DT38	CFS308	---	---
<b>HZ</b>	SM26B	---	NC26SM	SM26F	CMR200TB/CMJ206T	---	MS1V
	SM14J	---	---	SM14J	CMJ145T	---	MS2V
	MC146	MC146	FSX	---	CM130	---	MS3V
	MC306	MC306	FSR	DMX26S	CM200S	---	---
	XT214	FA-128	FX216	DSX211	---	8Y	---
	XT224	FA-20H	FX252/FXA2520	DSX221	---	8Z	---
	XT324	TSX3225/FA23A/FA238	FX325	DSX321	CS325	7M	---
	XT424	TSX4025	FX425	DSX421	---	---	---
	XT534	TSX5032	FX532	DSX531	CS5032H	7B	---
	XT634	TSX6035/FA365	FQ6035	DSX630	CS10	6V	---
<b>■</b>	XT754	TSX7050	FQ7050/FD	---	---	6P	---
	AT26	---	---	---	---	---	---
	AT38	CA301	FX-3	AT38	CSA309	---	---
	AT39	CA301	FX-3	AT38	CSA309	---	---
<b>HZ</b>	AT310	CA301	FX-3	AT38	CSA310	---	---
	SM26B	---	---	---	---	---	---
	49U	---	HC49U	HC-49U	---	9A	---
	49US	---	HC49S	AT49	HC49US	9B	---
	49SL	---	HC49SS	---	---	---	---
	49SMT	---	HC49SD	SMD-49	HCM49	9C	---
	49SLMT	---	HC49SSD	---	---	---	---

## Cross Reference of Clock Oscillator (SPXO, LVPECL, LVDS, RTC)

	YIC	Epson Toyocom	FOX	KDS	IQD	TXC
SMD	OSC-S21	—	HC/F135	DSA(B)211	IQXO-54	8N
	OSC-S22	SG-210	HC/F235	DSA(B)221	CFPP-5	8W
	OSC-S22 RTC	—	FK2	DSO221	CFPS-10	8WZ
	OSC-S3	SG-310	HC/F335	DSA(B)321	CFPP-3(4)/CFPS-3(4)	7X
	OSC-S3 RTC	—	FK3	DSO(K)321	CXOXULP/CFPS-10	7XZ
	OSC-S5	SG-5032	HC/F535	DSA(B)535	CFPP-12(9)/CFPS-3(9,12)	7C
	OSC-S5 RTC	—	—	—	—	7CZ
	OSCLD-S5	SG5030VAN	FXU-LC5	DSO533SJ	IQXO	CE/CF
	OSCLP-S5	SG5032EAN	FXU-PC5	DSO533SK	IQXO	CA/CB
	OSC-S7	SG7050	HC735/736	—	CFPP-7/3	7W
	OSC-S7 RTC	SG3030JC/SG3040JC	—	—	—	7WZ
	OSCLD-S7	SG7050VAN	F47	DSO753HJ	IQXO	BE/BF
	OSCLP-S7	SG7050EAN	F46	DSO753HK	IQXP/IQXO	BA/BB
Through-Hole	OSC-H	SG-531	—	—	CFPP/IQXO-3(8)	—
	OSC-F	SG-51	—	—	CFPP/IQXO-3(6,8)	—
RTC Module	RC8025T	RX8025T	—	—	—	—

## Cross Reference of GPS Modules ( YIC vs. u-blox)

Product Series	* YIC	u-blox
Engine Module (EB Series)	YIC51009EB-37	MAX-7
	YIC91009EB	
	YIC51009EBGG-33	MAX-M8
	YIC91009EBGG-U8	
	YIC51612EB-37	NEO-7
	YIC51612EBI-37	
	YIC91612EB	
	YIC91612EBF	NEO-7N
	YIC51612EBGG-33	NEO-M8
	YIC91612EBGG-U8	
	YIC91612EBFGG-U8	NEO-M8N
	YIC52217EB-37	LEA-7
	YIC92217EB	
	YIC52217EBGG-33	LEA-M8
	YIC92217EBGG-U8	
	YIC51613EB	—
YIC91613EB	—	
YIC51513EB	—	
YIC91513EB	—	
Antenna Module (GM Series)	YIC52222GM-37	PAM-7Q
	YIC91513GM	—
	YIC51513GM	—
	YIC91818GM	—
	YIC91818GMS	—
	YIC51818GM	—
	YIC92813GM	—
	YIC52813GM	—
	YIC82525GM	—
	YIC92525GM	—
	YIC92925GM	—
	YIC52925GM	—

\* Either pin-to-pin replacement or similar function recommendation.

<http://www.yic.com.tw>



\*

## ELEKTRONIK **Blume**

Christoph Haßenpflug

BLUME ELEKTRONIK DISTRIBUTION GMBH

TECCENTER 1 | 31162 | BAD SALZDETFURTH

FON:(0 50 63) 27 12-228 | FAX:(0 50 63) 27 12-12

EMAIL: C.HASSENPFUG@BLUME-ELEKTRONIK.DE

[WWW.BLUME-ELEKTRONIK.DE](http://WWW.BLUME-ELEKTRONIK.DE)

partnership in excellence

<http://www.yic.com.tw>