



SPECIFICATION SHEET

Customer:

Customer's part number:

Product description: GPS Antenna

Uni Link's part number: YNX-GG-1818-0011

Issue Date: 2014-04-18

Note:GPS+GONASS(1575.42MHz/1602MHz) \pm 6MHz

Customer Use		Customer's authorized signature	Remarks
Full approved			
Conditional approved			
Rejected			





1、PRODUCT TECHNICAL SPECIFICATION

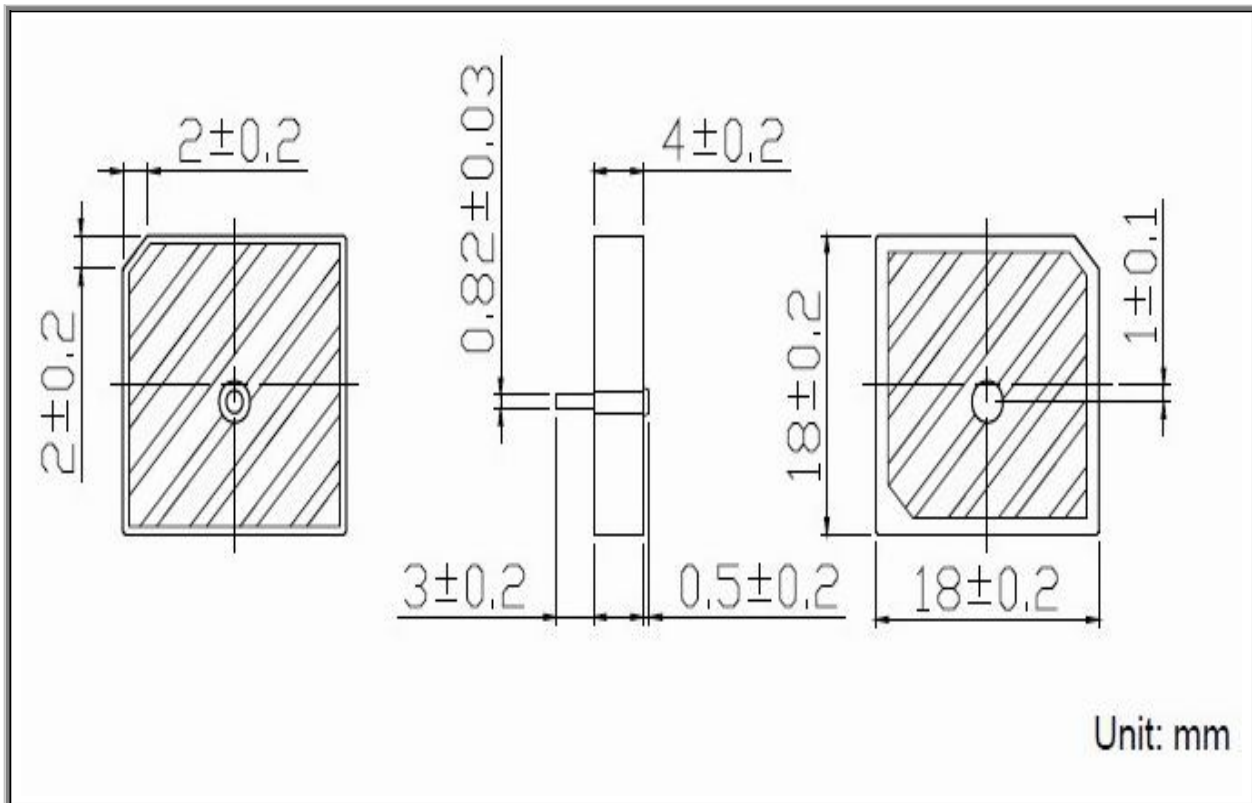
GPS	
Center Frequency (MHz)	1575.42
Bandwidth (MHz)	6
Input Impedence (Ω)	50
V. S. W. R	≤ 1.5
(Polarization Intensity)	R. H. C. P
(The Sound Coefficient)	$\leq 1.5\text{dB}$
(Axial Ratio)	3Db
Gain (dBi)	$2.5\text{dB} \pm 0.3\text{dB}$
Max Input Power (w)	5 GALILEO
VSWE(Output VSWE)	≤ 1.8
(Operating Temperature)	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
GLONASS	
Center Frequency (MHz)	1602
度 Bandwidth (MHz)	8
Gain(dBi)	Elevation 90° : 6 & 6 & 4 Elevation 20° : ≥ 2.18 Elevation 10° : ≥ 1.93
Axial Ratio (dB)	≤ 3
Input Impedence (Ω)	50
V. S. W. R	≤ 1.5
The Sound Coefficient	$\leq 1.5\text{dB}$
Environmental	
(Operating Temperature)	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
(Storing Temperature)	$-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$
Humidity	95% ~ 100%RH
Weatherproof	100%



2、PRODUCT PICTURE



3、PRODUCT SPECIFICATION CHART





4、MECHANICAL CHARACTERISTICS

1	BENDING TEST	Put away from the connector of line on 30 CM and bear 120g, fixed the connector and then test the Swing, swing Angle around each 60 degrees, swing 1000 times for test characteristics.	After 1000 times Swing have no any electrical properties damaged
2	SRRENGTH TEST	15 pounds of static load on the wire bottom lasted one minutes	Have no any revealed mechanical and electrical damaged
3	PULL TEST	Between the Connector and Wire for the Pull Test	Bear 7Kg Stuff have no any revealed mechanical and electrical damaged
4	VIBRATION TEST	With 1.10 mm and amplitude 33.30 Hz/SEC vibration frequency to the X axis vibration 120 minutes, Y axis vibration 120 minutes, Z axis vibration 240 minutes.	have no any revealed mechanical and electrical damaged



5、 DURABILITY TEST

1	SAIT SPRAY TEST	Salt spray test: Refer to GB1266-86 standard Distilled water: Once Distilled PH6.5~7 SPRAY: 1.4me80cm ² /h Compressed air pressure: 1Kgf/ cm ² relative degrees: 98° Temperature: 45°~47° Pressure temperature: 35° Test time: 96hr	All characteristic range is 30% of the initial value
2	HEAT TEST	85+2℃ for 96 hours, after keep in normal condition for 30mim the to test.	
3	HUMIDITY TEST	40+2℃ 90-95%RH for 96hours, after keep in normal condition for 30mim the to test.	
4	COLD TEST	-40+2℃ for 96hours, after keep in normal condition for 30mim the to test.	

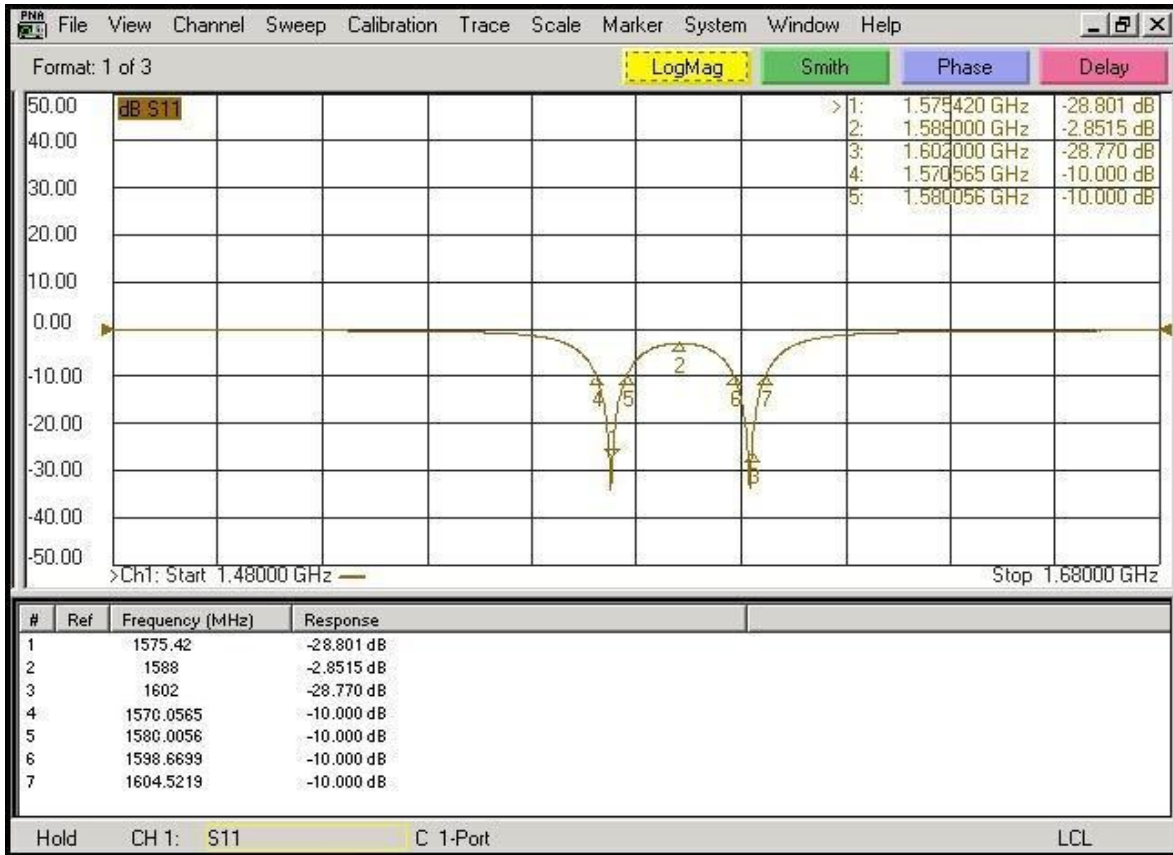


6、ELECTRIC APPLIANCE CHARACTERISTICS

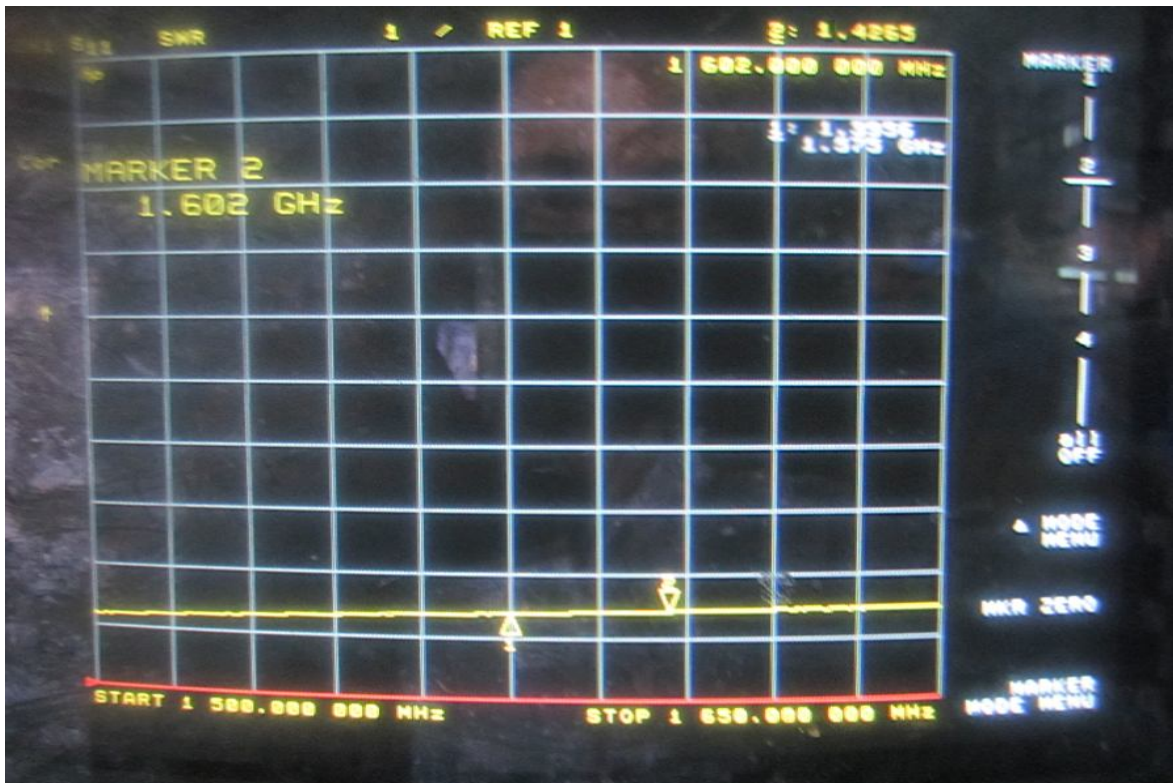
项目 ITEM		TEST CONDITION	SPECIFICATION
1	Return Loss	Using Agilent Network Analyzer 8753ET to Measure Antenna S11 Return Loss Characteristics.	The first part according to the following design
2	VSWR	Using Agilent Network Analyzer 8753ET to Measure Antenna S11 VSWR Characteristics.	The second part according to the following design
3	Smith chart	Using Agilent Network Analyzer 8753ET to Measure Antenna S11 Gain Response Characteristics.	The third part according to the following design
4	Gain response	Using Agilent Network Analyzer 8753ET to Measure Antenna S21 Gain Response Characteristics.	The fourth part according to the following design



(1) Return Loss

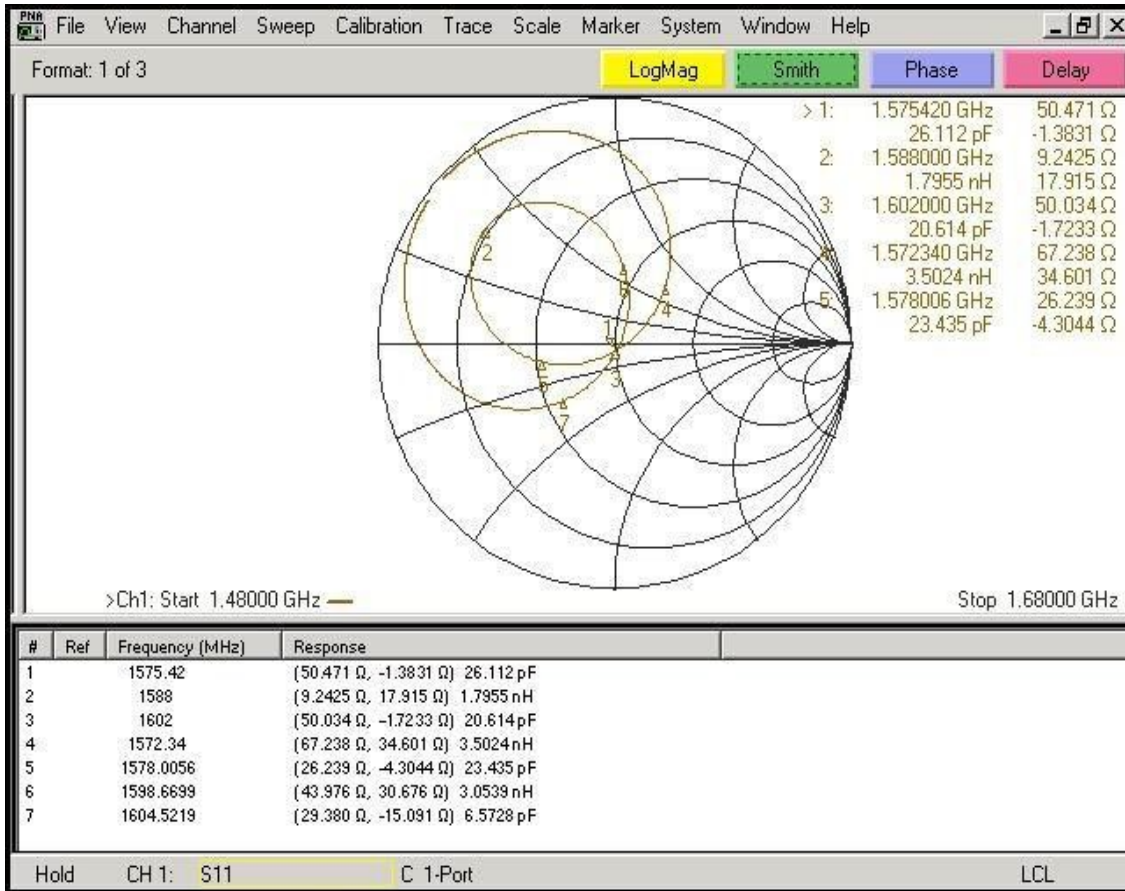


(2) VSWR



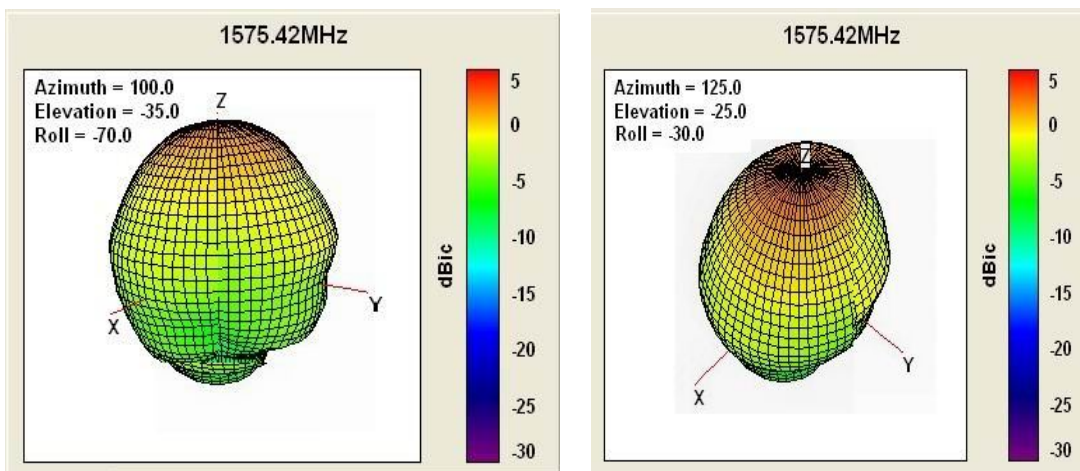


(3) Smith chart

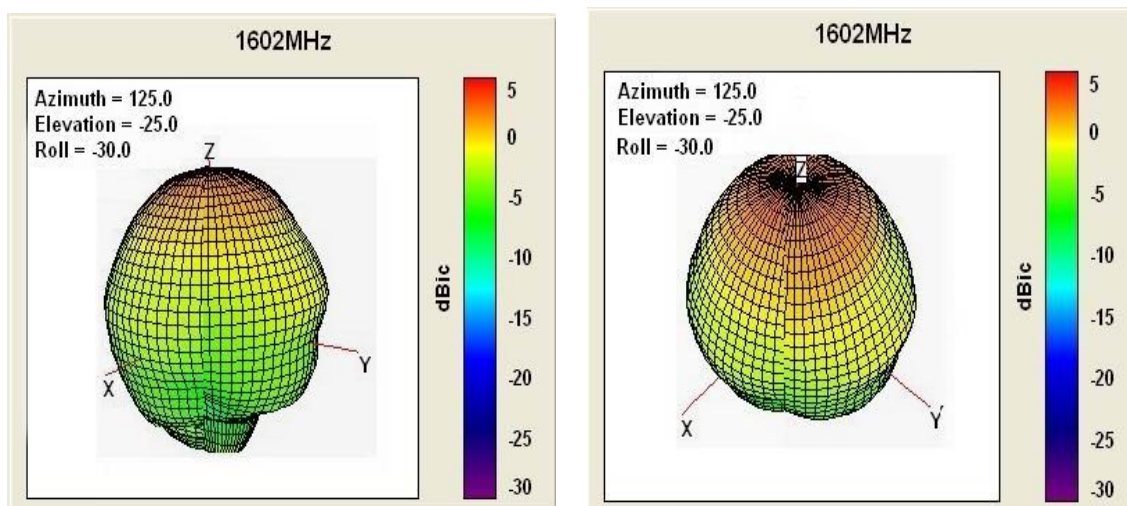


(4) Gain response

GPS



GLONASS



7、The main test equipment



Spectrum analyzer



GPS/GLONASS
Analog signal
source



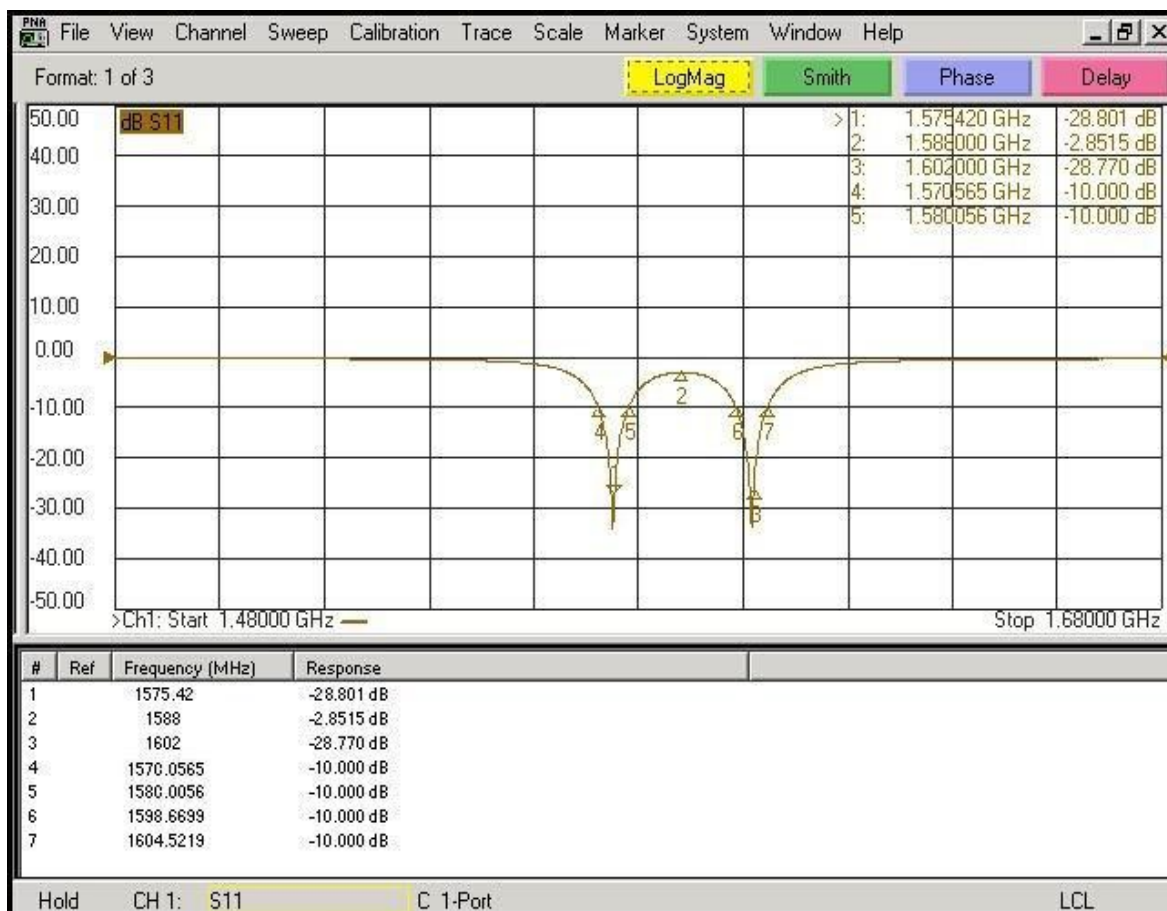
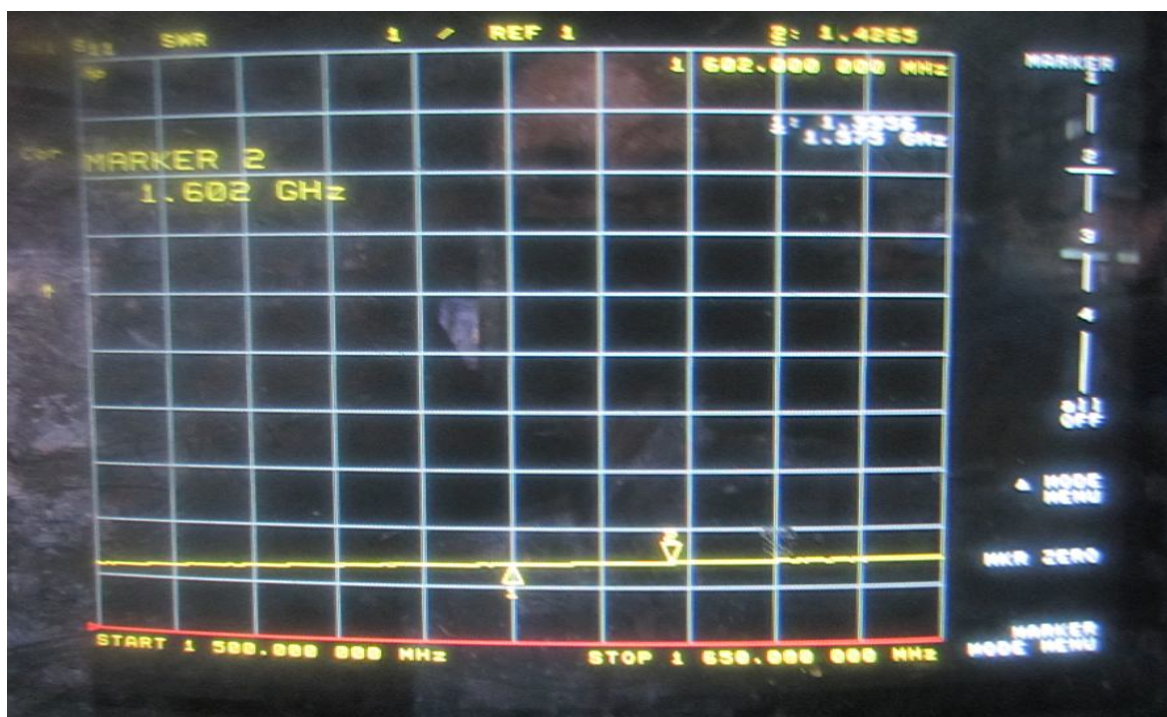
Network
analyzer

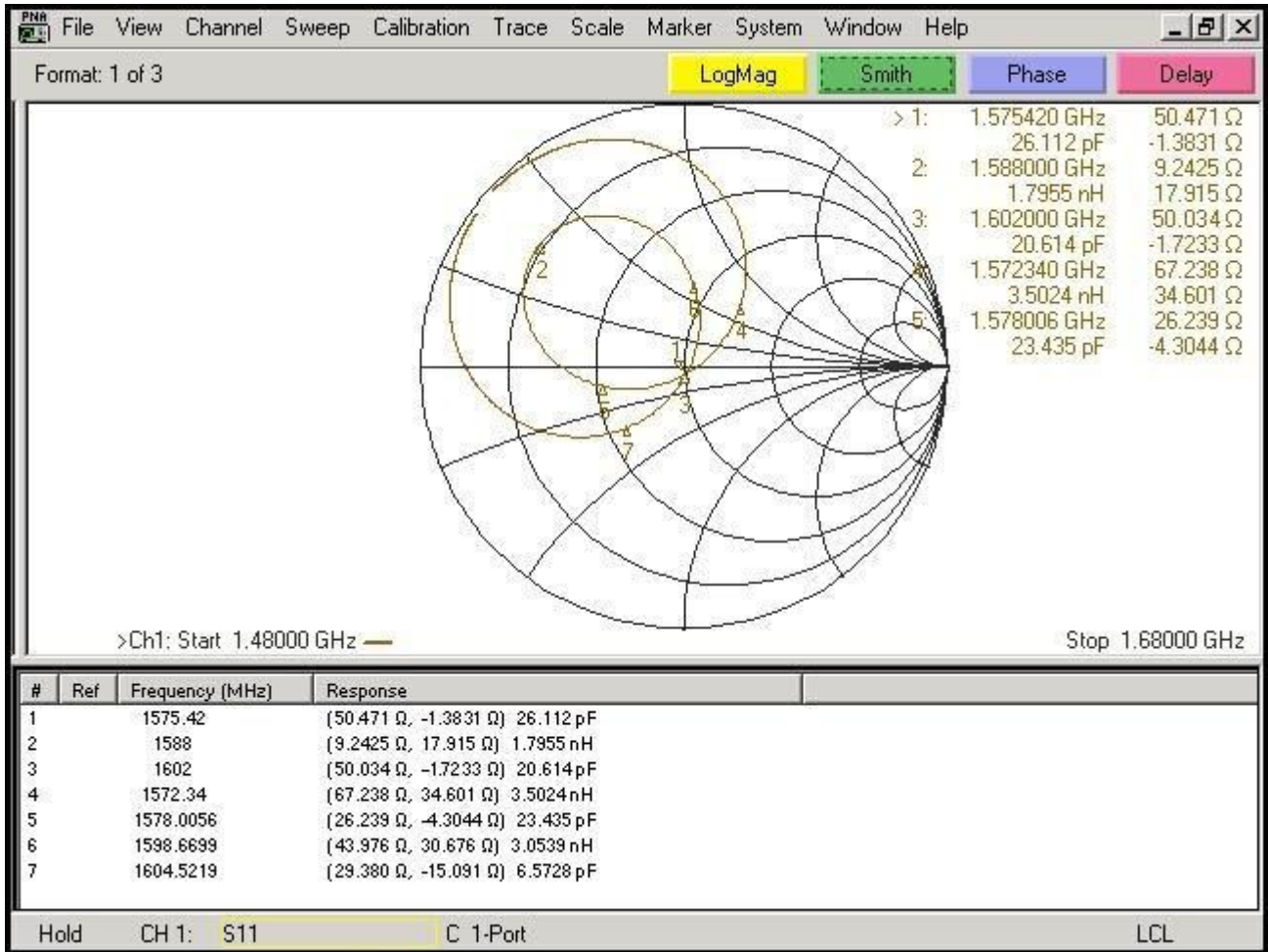


Noise
analyzer



Microwave
dark room





8、MECHANICAL CHARACTERISTICS

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8、QUALITY CERTIFICATION



CERTIFICATE OF REGISTRATION



MOODY INTERNATIONAL CERTIFICATION

*This is to certify that the
Quality Management Systems of:*

深圳市雅诺讯科技有限公司

中国广东省深圳市龙岗区龙城街道爱联建新社区新坡路永成鞋厂永成三巷2号厂房4楼

经摩迪国际认证有限公司审核，其质量管理体系符合ISO 9001: 2000标准之要求。
在持续遵循有关认证条例的基础上，准予注册。此认证结果为国际认可论坛(IAF)质
量管理体系认证多边互认协议MLA成员认可。

本证书加贴年度监督防伪标签后，方为有效。

认证范围：通讯设备、通讯天线、车载电视天线的制造和销售。

注册号：**110512095**

For the Company



014

For the Governing Board

签发日期：2010年01月13日

有效日期：2013年01月12日

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the Accreditation Certificate 014. The certificate remains the property of Moody International Certification Limited to whom it must be returned on request.



TÜV Rheinland (Shenzhen) Co., Ltd.
34/F., World Financial Center
4003 Shennan East Road
Shenzhen 518001
P. R. China



Certificate

Registration No.: 163036997
Report No.: Z08807784

Holder: Shenzhen Yanuoxun Technology Co., Ltd.

Product: Communication Antenna

Product and its accessories comply with RoHS Directive
2002/95/EC
Please refer to test report No. Z08807784

Tested acc. To: 2002/95/EC

The certificate of conformity refer to the above mentioned product. This is certify that the specimen is in conformity with the standards mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

TÜV Rheinland (Shenzhen) Co., Ltd
Shenzhen, 10-07-2010

