

ERF3G73 天线规格及调试报告

Equipment under Test:	Remote Control
Model No. :	ERF3G73
Antenna Model:	HVT-A01-PCB05
Antenna Type:	PCB Antenna
Applicable Remote Control Frequency Band:	2.4GHz (Bluetooth)
Manufacturer:	Hisense Visual Technology Co., Ltd.
Address:	No. 218 Qianwangang Road, Economy & Technology Development Zone, Qingdao, China

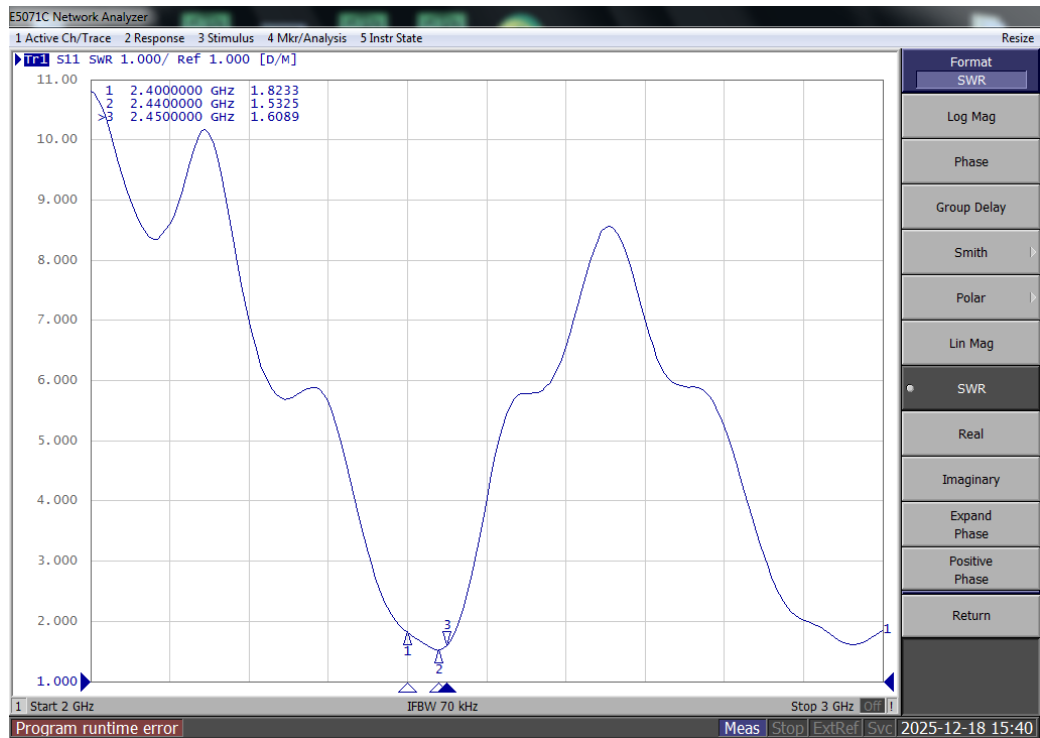
Antenna size:



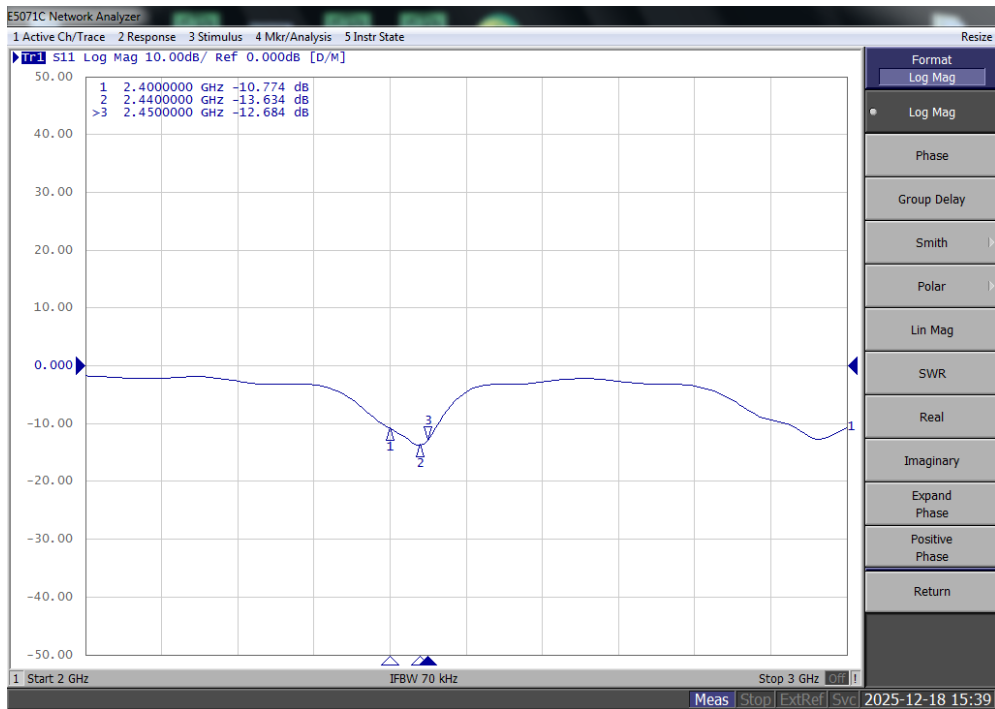
NO	details	SPC
1	Frequency band	2400-2500MHz
2	directivity	Omnidirectional antenna
3	Input impedance	50 Ohm Nominal
4	Return Loss	-13.6dB(min)
5	VSWR	1.5 (min)
6	Polarization mode	Linear Polarization
7	Gain	-2.99dBi(max)
8	Efficiency	16.9% (max)

Test instrument: E5071 Network Analyzer

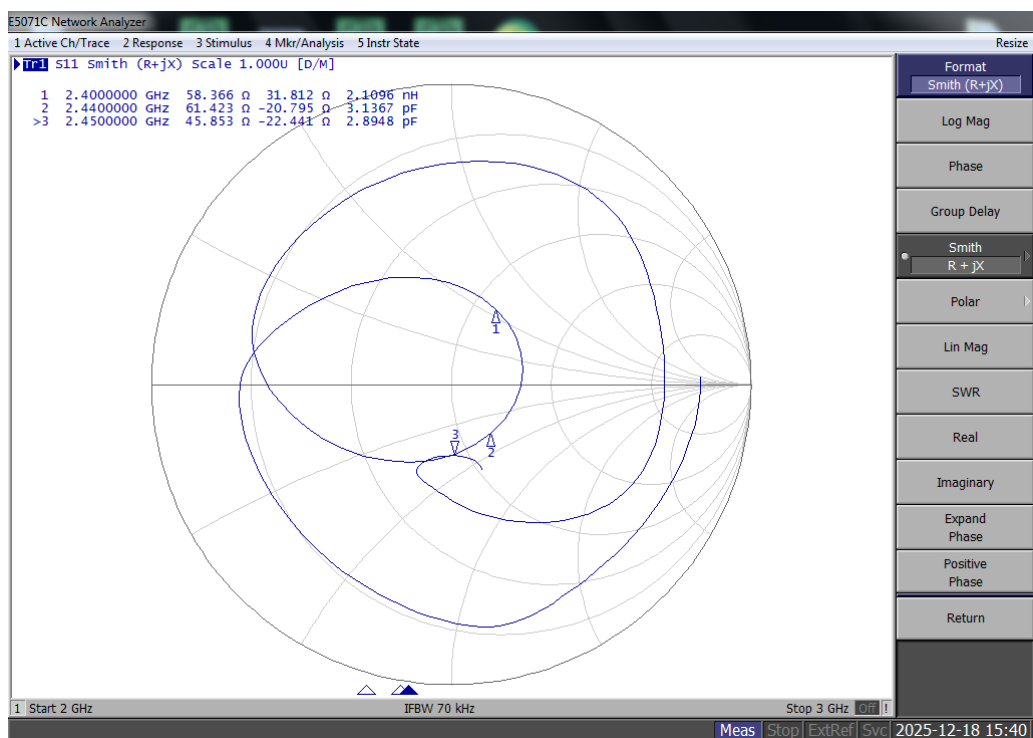
1、VSWR:



2、return loss:



3、Smith chart



Frequency /MHz	2400	2440	2500
VSWR	1.8	1.5	1.9
Return Loss /dB	-10.7	-13.6	-10.5

4、Efficiency and Gain:

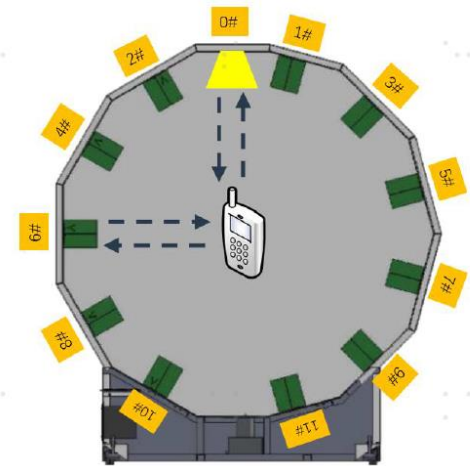
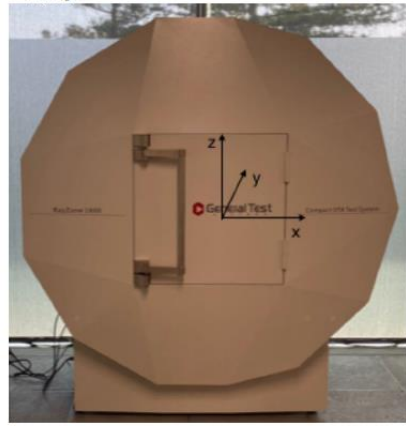
chNo	Freq	Gain	Efficiency_Pcent
1	2400	-2.994023	16.8829328
2	2410	-3.4741808	16.92301857
3	2420	-3.9391751	15.85069143
4	2430	-4.0669094	15.74532645
5	2440	-3.918732	16.29568398
6	2450	-4.133514	15.59223378
7	2460	-4.437005	14.59903302
8	2470	-4.9744527	13.22360995
9	2480	-5.5706531	11.81965593
10	2490	-6.2732953	10.14379463
11	2500	-6.6859612	8.884696494

5、3D pattern:

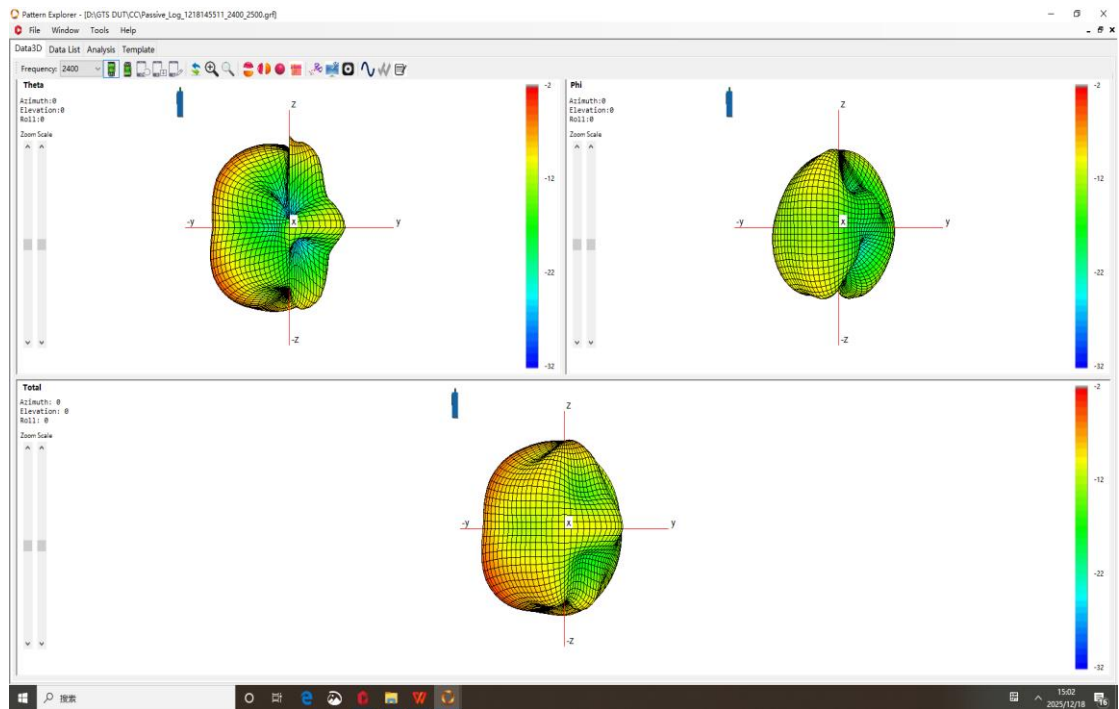
OTA Test system: RayZone1800,

Address:Qingdao Hisense Mobile Communication Technology,Inc.

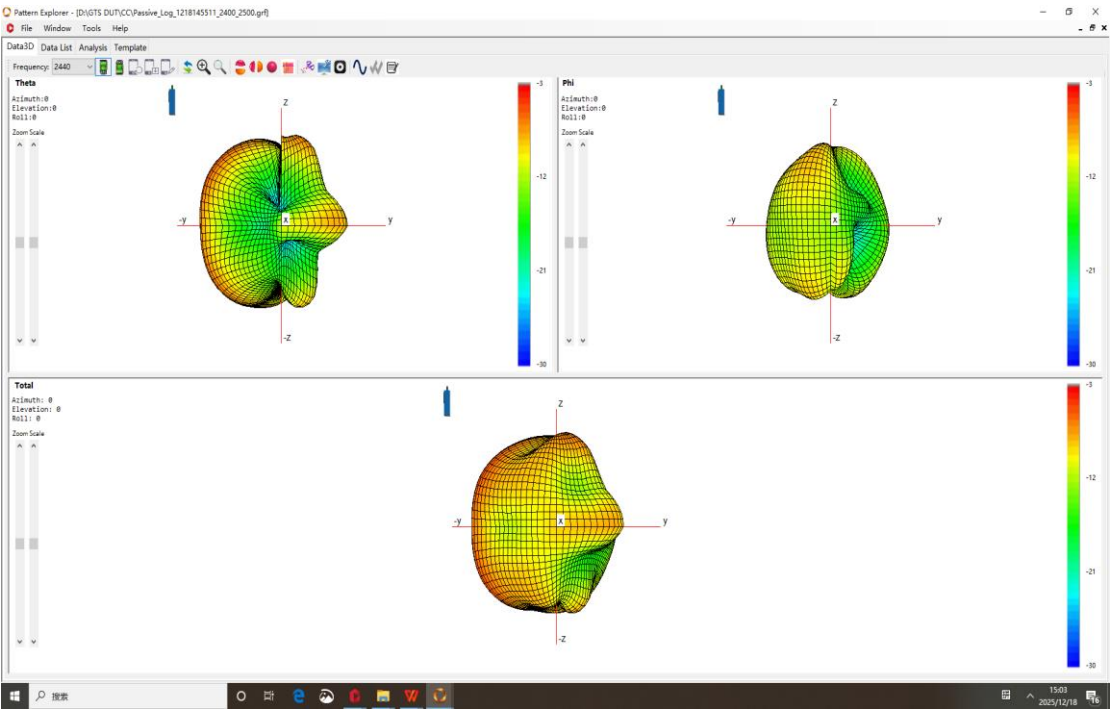
Address: No.399, Song Ling Road, Qingdao,China



2400MHz



2440MHz:



2500MHz:

