

样品承认书

Parts Approval Sheet

生产供应商: <u>NQI国质信</u>	物料名称: <u>WIFI Antenna</u>
Supplier	Parts Name
适用项目: <u>BT09</u>	NQI 料号: <u>NQI-BT09-DWF-ASM-V0</u>
Type/Spec	Parts No
品 牌: <u>NQI</u>	客户料号: _____
Brand	Quantity
送样日期: <u>2025.03.31</u>	文件编号: <u>NQI-RD-SPEC-20250318</u>
Send out Date	Document No
承认日期: <u>2025. 04. 25</u>	样品版本: <u>V0</u>
Approve Date	Version

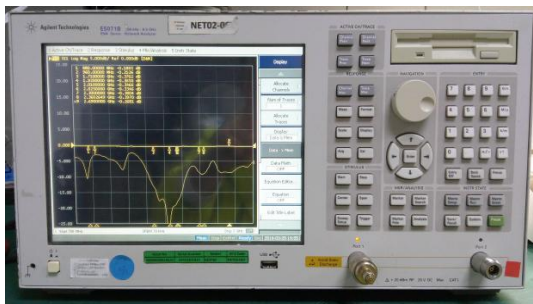
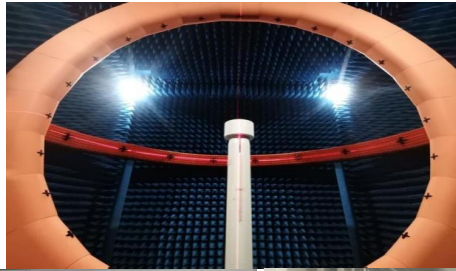
Manufacturer: ShenZhen NQI network communication ltd
Address: No. 103, Building 7, Kangli City, 66 Pingji Avenue, Shanglilang
Community, Nanwan Street, Longgang District, Shenzhen

一. 样品图片及说明 (Sample picture and description) :

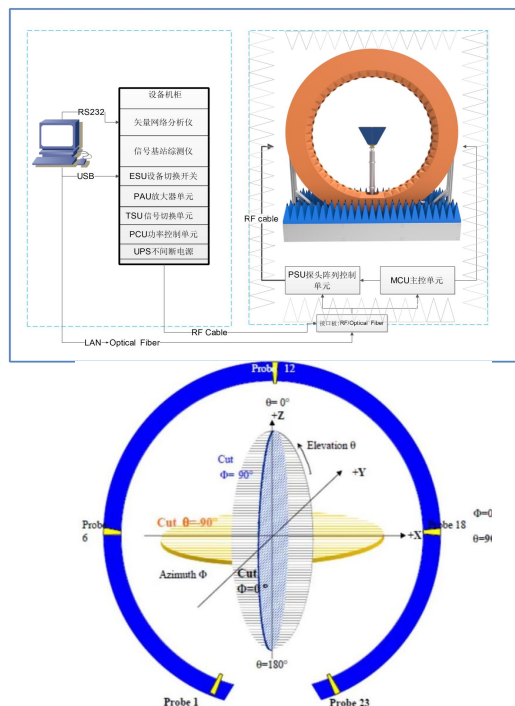


二. 测试设备及项目 (Test equipment and items) :

类别 (Class)	测试项目 (Test item)	设备 (Equipment)
1. S parameter	1. 回波损耗 (RL) 2. 驻波比 (VSWR) 3. 史密斯原图 (Smith chart)	网分 (VNA): Agilent E5071B R&S ZVB8
2. 耦合测试 (Coupling testing)	1. 发射功率 (MAX Power) 2. 接收灵敏度 (MIN Sens)	1. 2G/3G Tester: Agilent 8960 2. The coupling box: TESCOM TC-5060A 3. 3D Chamber: ETS 3D Chamber (5x3x3)
3. 3D 无源测试 (Passive Test)	1. 效率 (Effeciency) 2. 增益 (Gain) 3. 辐射方向图 (Radiation pattern)	1. 3D Chamber: TEM24 3D Chamber (5x5x5) 2. 网分 (VNA): Agilent E5071B R&S ZVB8
4. 3D 有源测试 (Active Test)	1. 3D 功率 (TRP) 2. 3D 灵敏度 (TIS) 3. 吞吐率 (Throughput rate)	1. 3D Chamber: TEM3 3D Chamber (5x5x5) 2. 2G/3G Tester: Agilent 8960 3. 4G Tester: MT8820C/CMW500 4. WIFI/BT/NB-iot Tester: CMW500 5. 5G Tester: SP9500-CTS 6. Head: HEAD-P10 (FACE-P10)



三. 暗室连接及坐标 (Chamber connection and coordinates) :



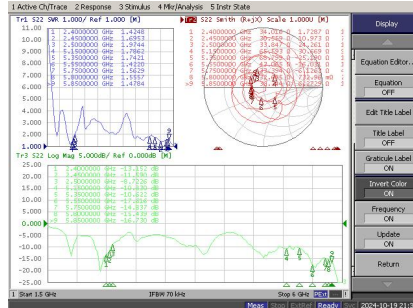
四. 天线装配方式及环境处理 (Antenna assembly and environmental treatment) :



五. 天线匹配网络: (Matching Circuit Description)

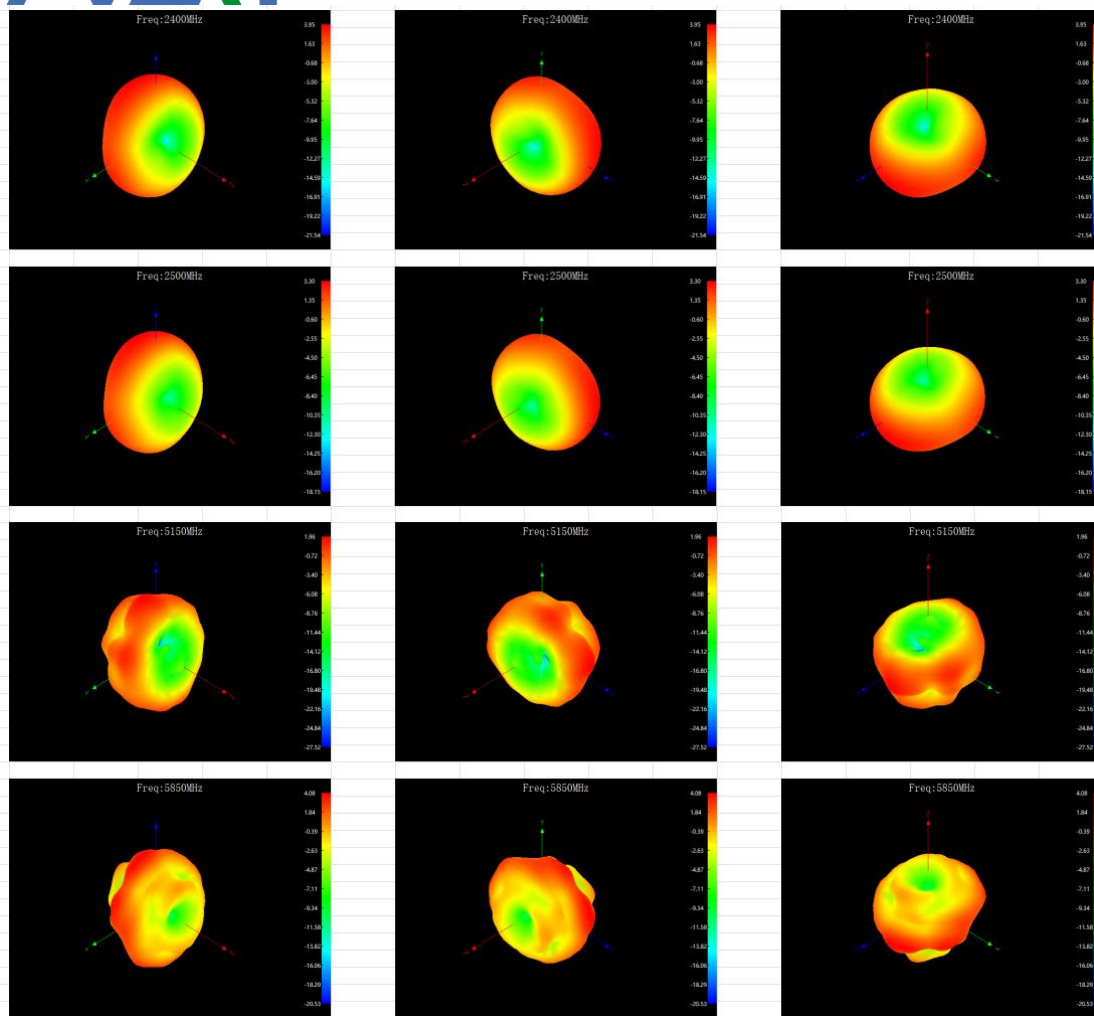
六. 天线无源参数 (Antenna passive parameters)

6.1. 回损/驻波图



6.2. 天线效率/增益/方向图

Passive Test For 2400-2500MHZ 5150-5850MHZ					
Freq	Effi	Gain	Freq	Effi	Gain
(MHz)	(%)	(dBi)	(MHz)	(%)	(dBi)
2400	90.57	3.95	5150	52.6	1.96
2410	86.1	3.73	5200	49.89	1.63
2420	85.7	3.48	5250	52.48	1.8
2430	81.66	3.46	5300	56.1	2.67
2440	81.47	3.57	5350	56.49	3.49
2450	80.17	3.82	5400	53.21	3.42
2460	80.35	4.19	5450	54.2	4.16
2470	77.62	4	5500	57.28	4.72
2480	73.62	3.93	5550	62.09	4.87
2490	73.79	3.64	5600	57.68	4.47
2500	70.79	3.3	5650	59.57	4.5
			5700	62.09	5.04
			5750	64.42	5.45
			5800	67.61	4.87
			5850	57.41	4.08





七. 天线结构图纸 (Antenna structure drawing)

