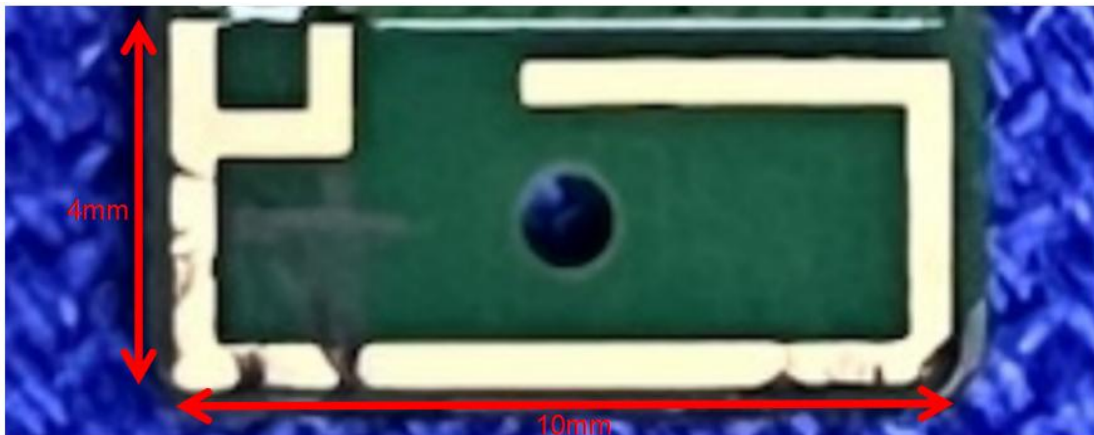


ANT Report

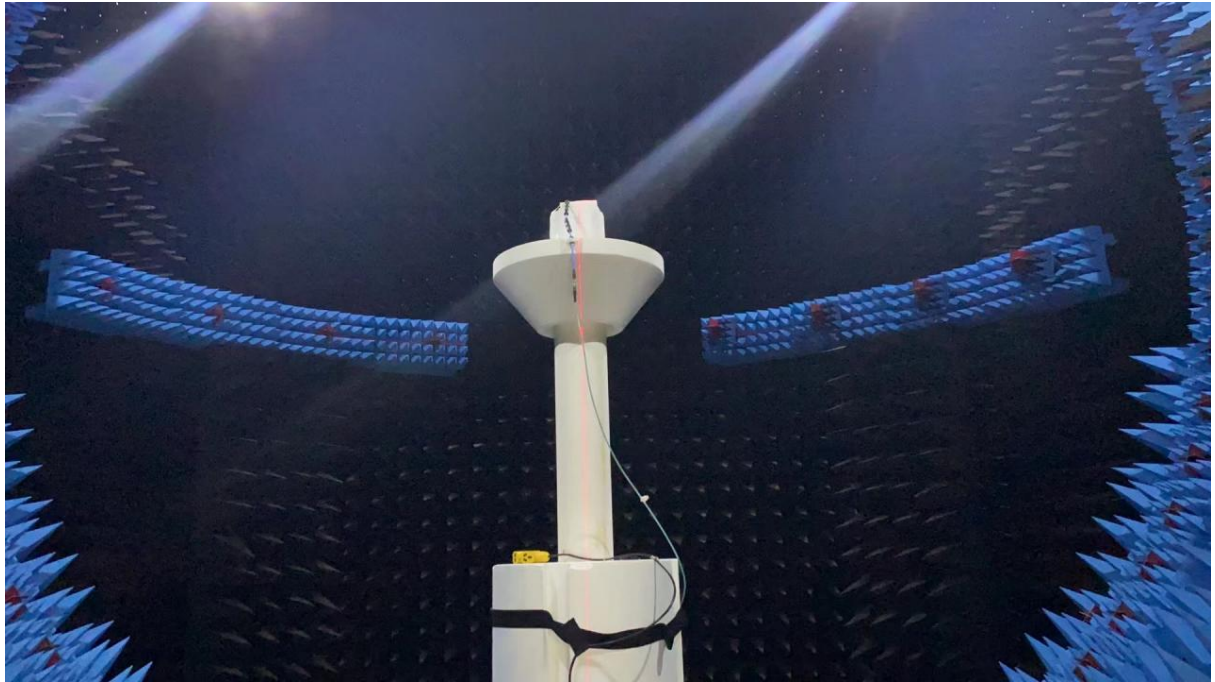
Frequenc Range	2400 ~ 2500MHz
Gain (dBi)	0.63
Manufacturer	SHENZHEN AONI ELECTRONIC CO., LTD
Model:	C013

Antenna Layout & module on the system board

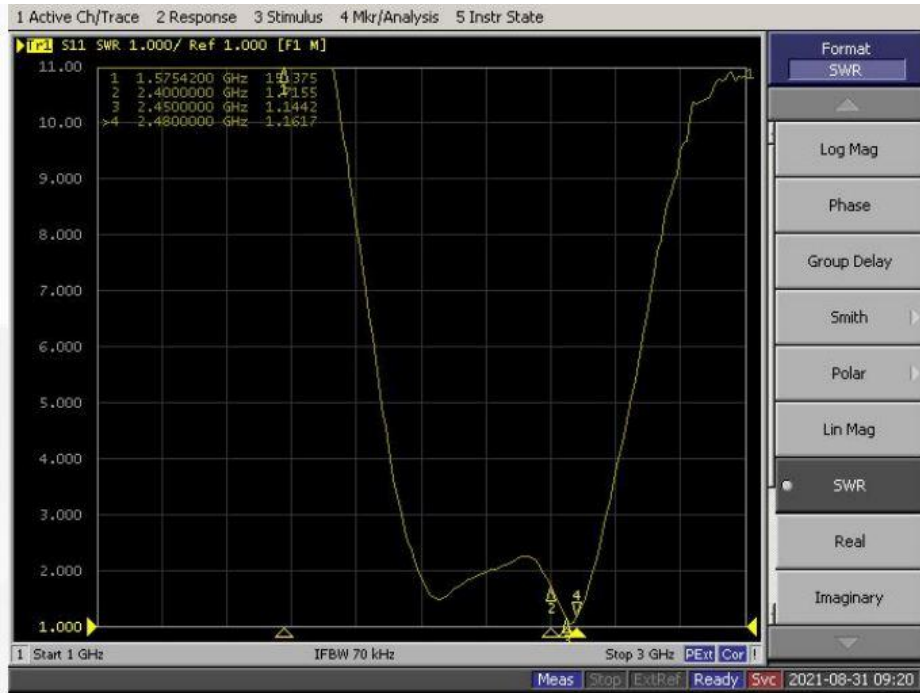


1. Test system and equipment

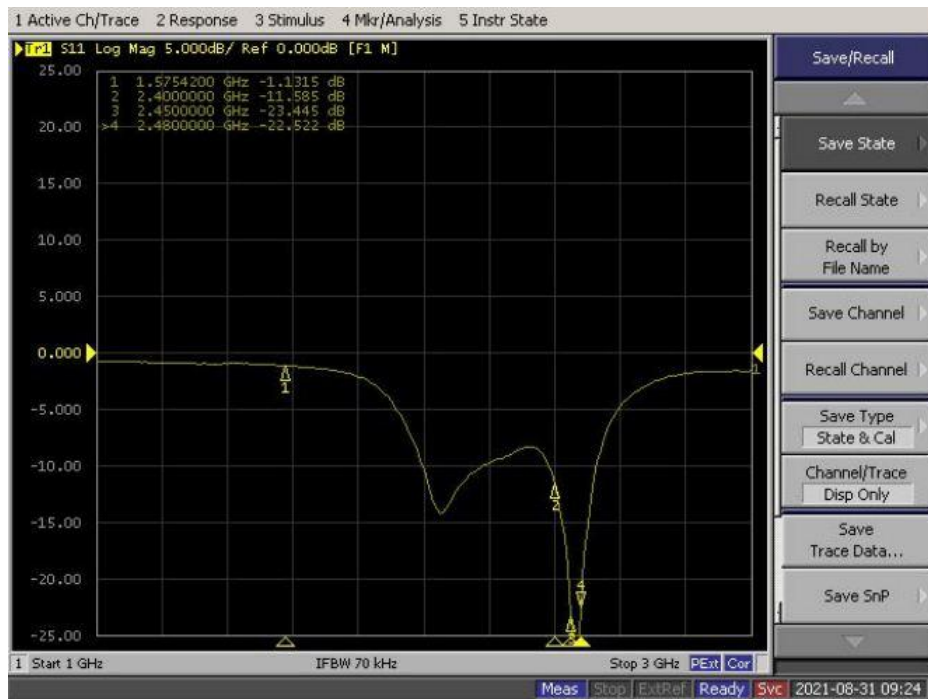
	测试项目/Test items	设备/equipment
1: S参数 S parameter	1. 回波损耗 Return loss 2. 驻波比 VSWR	网络分析仪/Network analyzer: A338/A333
2: 耦合功率测试 Active test	1. 发射功率 Transmitting power 2. 接收灵敏度 Receiving sensitivity	综合测试仪/Comprehensive test instrument: Agilent 8960/ CMW500
3: 辐射模式与增益 Radiation mode and gain	1. 辐射模式 Radiation mode 2. 天线增益 Gain	1. 暗室/Shielding room: 7x4x3 m (ETS-3D) 2. 网络分析仪/Network analyzer: HP 8753D



2.驻波比/VSWR



3.回波损耗/Return loss



4. 天线性能/Electrical performance test data of antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	30.79	-5.12	0.34
2410	31.2	-5.06	0.05
2420	33.68	-4.73	0.44
2430	35.51	-4.5	0.63
2440	36.82	-4.34	0.6
2450	35.7	-4.47	0.33
2460	32.9	-4.83	0.39
2470	29.19	-5.35	-0.39
2480	28.09	-5.51	-0.65
2490	28.81	-5.4	-0.75
2500	28.66	-5.43	-1.7