



求是 价值 双赢

深圳市千目通讯科技有限公司

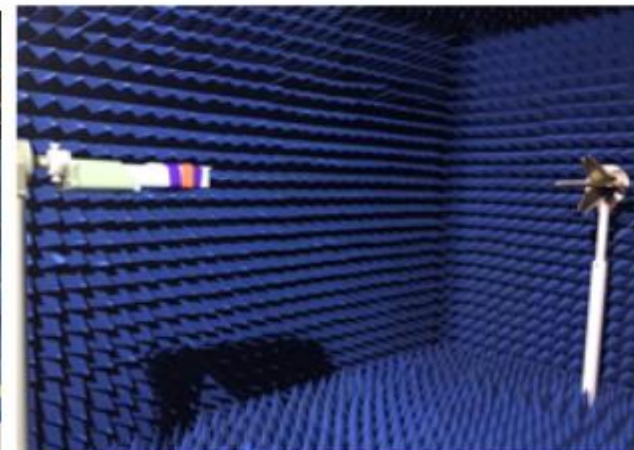
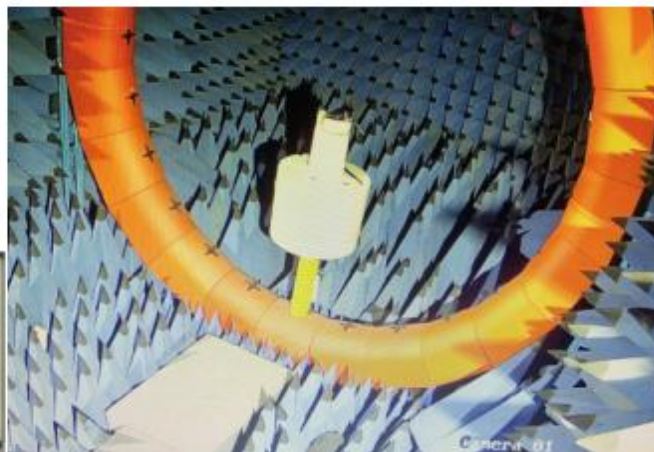
Shenzhen Qianmu Communication Technology Co., Ltd.

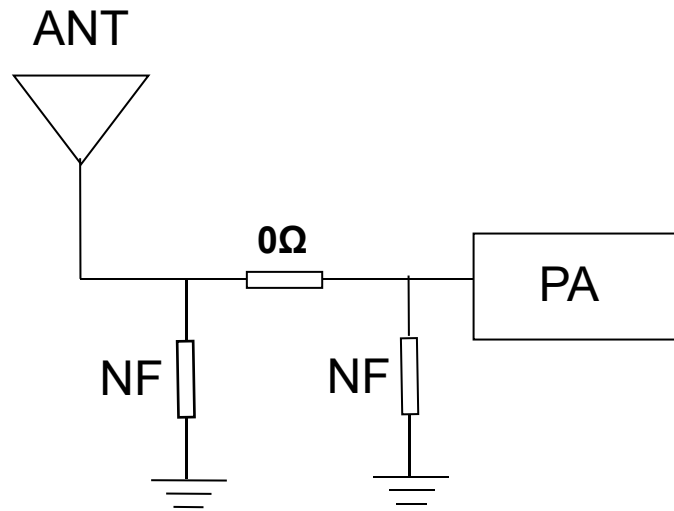
专注天线方案、设计与生产

客 户：领为
项 目：AG01
日 期：2025. 7. 14
射 频：ZHONG ZHUO WU



	测试项目	设备
1. S参数 (S-parameter)	1. 回波损耗 (Return Loss) 2. 电压驻波比 (VSWR)	网络分析仪: Agilent E5071B ×2 HP 8753D PROTEK A338
2. 有源测试 (Active)	1. 发射功率 (TRP) 2. 接收灵敏度 (TIS) 3. 频率误差 4. 屏灭、屏亮	1. 暗室: 飞图 7x4x3 m (24探头 3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 综合测试仪: Agilent 8960 ×2 CMW500 ×3/CMU200
3. 无源测试 (Passive)	1. 天线增益 (Gain) 2. 天线效率 (Efficiency)	1. 暗室: 飞图 7x4x3 m (24探头 3D) Chamber ETS 5x3x3 m (3D) Chamber 2. 网络分析仪: Agilent E5071B







BT无源

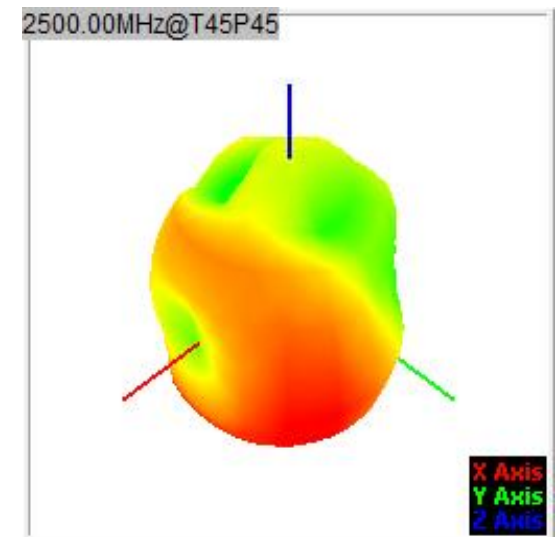
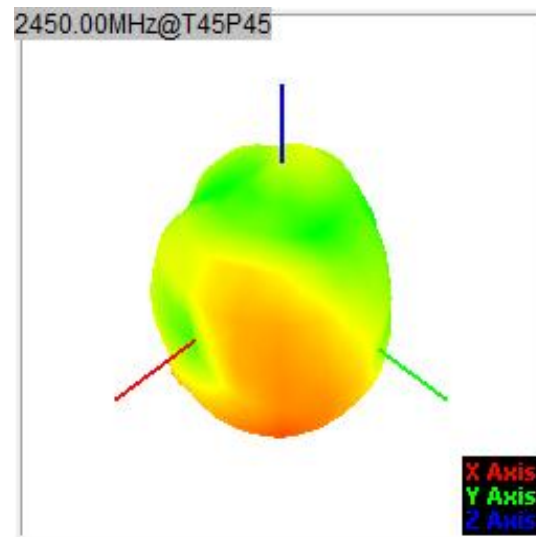
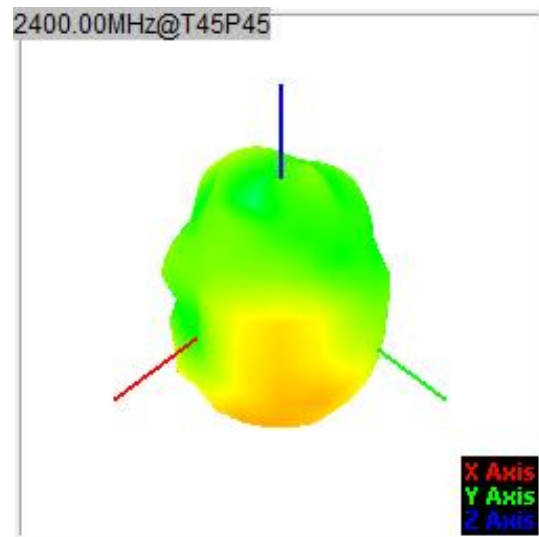


蓝牙效率

FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-8.27	-8.26	-8.25	-8.20	-8.16	-8.11	-8.05	-7.97	-7.81	-7.70	-7.59
Peak EIRP (dBm)	1.16	1.31	1.32	1.20	0.93	0.50	-0.09	-0.60	-0.76	-0.79	-0.73
Directivity (dBi)	9.43	9.57	9.57	9.40	9.10	8.60	7.96	7.37	7.05	6.91	6.86
Efficiency (dB)	-8.27	-8.26	-8.25	-8.20	-8.16	-8.11	-8.05	-7.97	-7.81	-7.70	-7.59
Efficiency (%)	14.90	14.90	15.00	15.10	15.30	15.50	15.70	16.00	16.60	17.00	17.40
Gain (dBi)	1.16	1.31	1.32	1.20	0.93	0.50	-0.09	-0.60	-0.76	-0.79	-0.73
NHPRP $\pm\pi/4$ (dBm)	-10.08	-10.05	-10.00	-9.91	-9.84	-9.76	-9.68	-9.59	-9.43	-9.31	-9.19
NHPRP $\pm\pi/6$ (dBm)	-11.70	-11.65	-11.59	-11.49	-11.43	-11.37	-11.32	-11.25	-11.11	-11.01	-10.91
NHPRP $\pm\pi/8$ (dBm)	-13.05	-12.99	-12.90	-12.78	-12.73	-12.69	-12.65	-12.58	-12.44	-12.35	-12.26
Upper Hem. PRP (dBm)	-12.65	-12.56	-12.45	-12.31	-12.20	-12.09	-11.99	-11.89	-11.72	-11.60	-11.44
Lower Hem. PRP (dBm)	-10.24	-10.28	-10.33	-10.33	-10.34	-10.32	-10.29	-10.23	-10.07	-9.97	-9.90
Upper Hem. PRP (%)	5.44	5.55	5.68	5.87	6.02	6.18	6.32	6.47	6.73	6.92	7.17
Lower Hem. PRP (%)	9.47	9.38	9.28	9.26	9.24	9.29	9.35	9.49	9.84	10.07	10.24



蓝牙方向图





BT天线

