



Shenzhen Qianmu Communication Technology Co., Ltd.

Client: IMIKI

Project: IMIKI XPLOER Pro

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RF: ZHANG LI



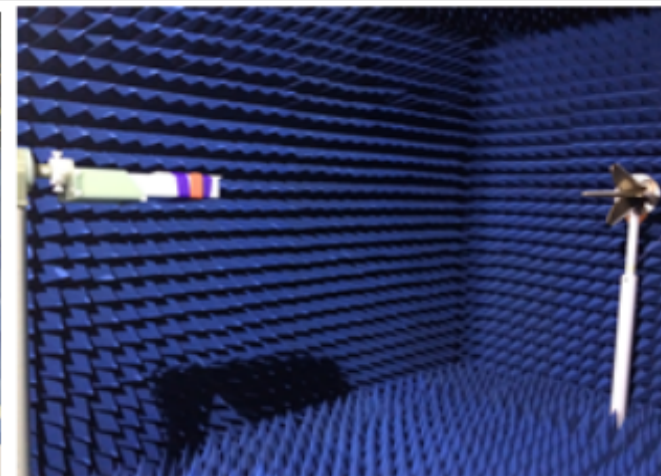
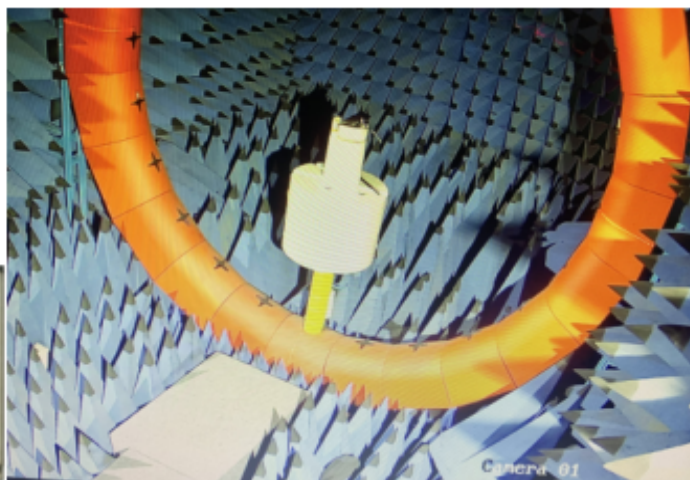
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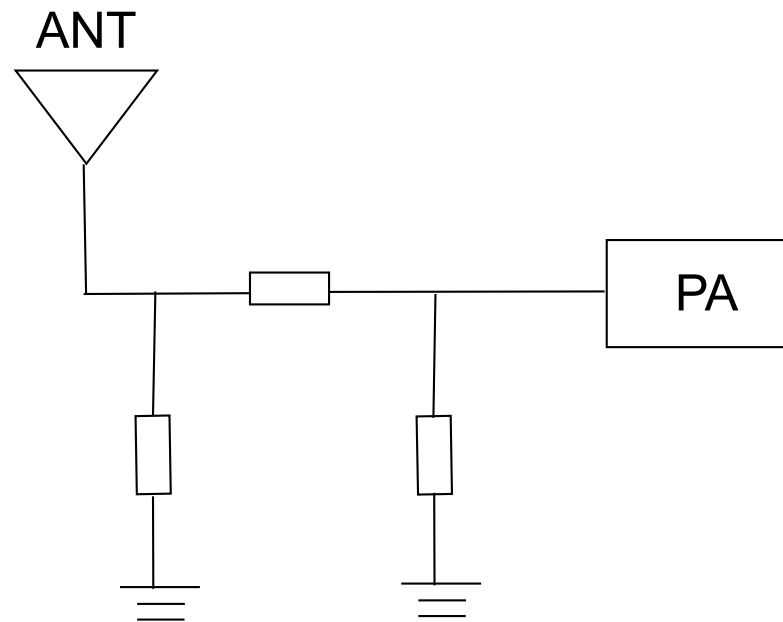
Test environment

	Test items	equipment
1. S-parameter	1. Return Loss 2. VSWR	Network Analyzer: Agilent E5071B ×2 HP 8753D PROTEK A338
2. Active	1. Transmit power (TRP) 2. Receive sensitivity (TIS) 3. Frequency error 4. Screen off, screen on	1. Darkroom: Feitu 7x4x3 m (24 probes 3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Integrated tester: Agilent 8960 ×2 CMW500 ×3/CMU200
3. Passive	1. Gain 2. Efficiency	1. Darkroom: Feitu 7x4x3 m (24 probes 3D) Chamber ETS 5x3x3 m (3D) Chamber 2. Network analyzer: Agilent E5071B



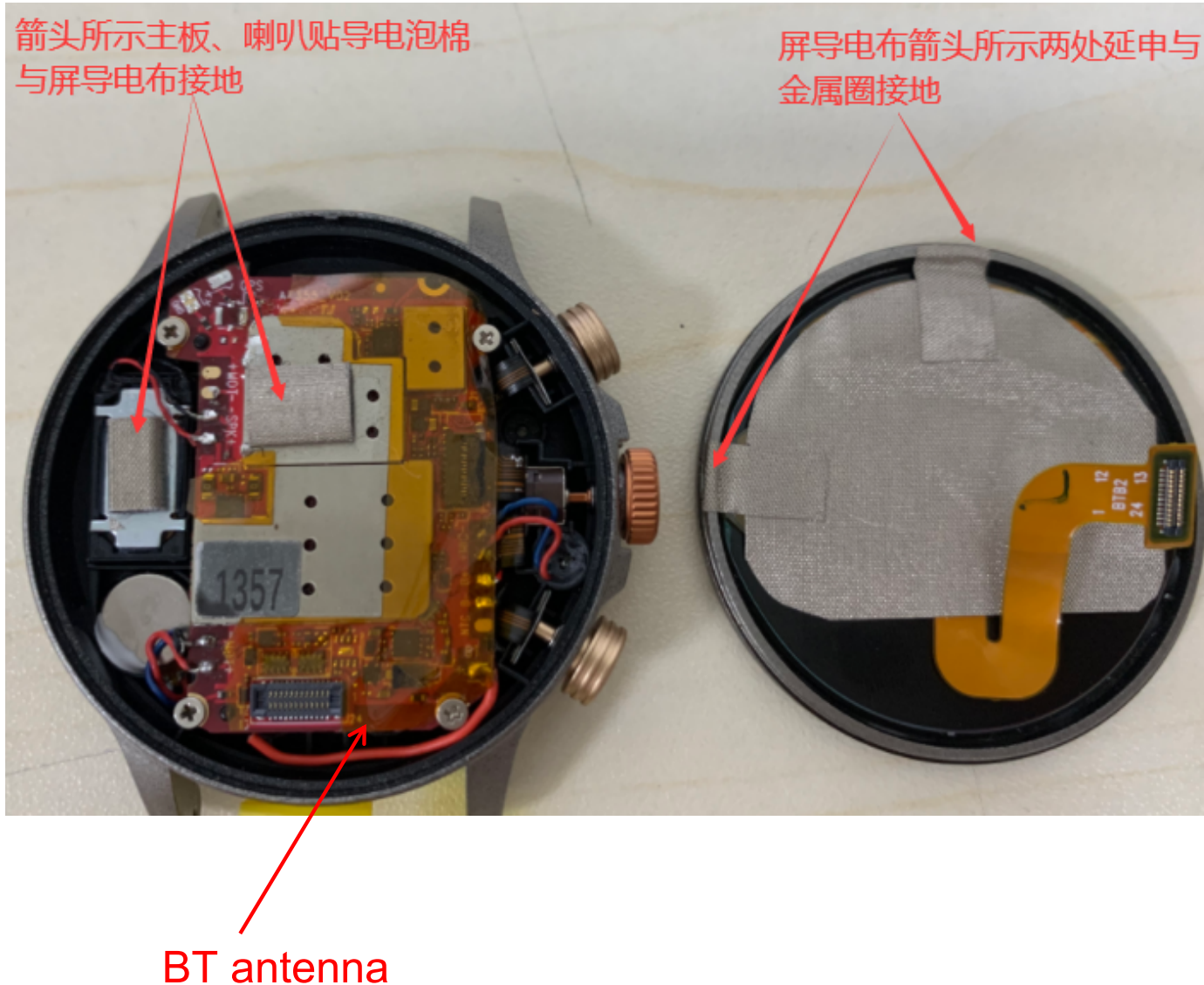


Matching Circuit-BT Antenna





Environmental treatment and BT antenna assembly instructions:





BT Antenna Efficiency and Gain

FETUKEJI

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)	-11.35	-10.80	-10.29	-9.92	-9.58	-9.27	-9.08	-9.15	-9.37	-9.66	-10.13
Peak EIRP (dBm)	-5.23	-4.66	-4.18	-3.91	-3.72	-3.26	-2.89	-2.92	-3.19	-3.53	-4.05
Directivity (dBi)	6.12	6.14	6.11	6.01	5.86	6.02	6.19	6.23	6.18	6.14	6.08
Efficiency (dB)	-11.35	-10.80	-10.29	-9.92	-9.58	-9.27	-9.08	-9.15	-9.37	-9.66	-10.13
Efficiency (%)	7.30	8.30	9.40	10.20	11.00	11.80	12.40	12.20	11.60	10.80	9.70
Gain (dBi)	-5.23	-4.66	-4.18	-3.91	-3.72	-3.26	-2.89	-2.92	-3.19	-3.53	-4.05
NHPRP $\pm\pi/4$ (dBm)	-12.23	-11.69	-11.18	-10.79	-10.43	-10.12	-9.95	-10.07	-10.34	-10.68	-11.18
NHPRP $\pm\pi/6$ (dBm)	-13.35	-12.80	-12.28	-11.90	-11.55	-11.26	-11.12	-11.26	-11.57	-11.95	-12.47
NHPRP $\pm\pi/8$ (dBm)	-14.27	-13.70	-13.15	-12.77	-12.43	-12.15	-12.02	-12.19	-12.52	-12.93	-13.49
Upper Hem. PRP (dBm)	-14.18	-13.71	-13.22	-12.88	-12.58	-12.32	-12.22	-12.37	-12.67	-13.02	-13.46
Lower Hem. PRP (dBm)	-14.53	-13.92	-13.38	-12.99	-12.59	-12.24	-11.97	-11.96	-12.11	-12.35	-12.85
Upper Hem. PRP (%)	3.82	4.26	4.76	5.16	5.52	5.86	6.00	5.80	5.41	4.99	4.51
Lower Hem. PRP (%)	3.52	4.06	4.59	5.03	5.50	5.97	6.35	6.36	6.16	5.82	5.19

