



Shenzhen Huaxunshitong Technology Co.,Ltd.

K06- BT Antenna Test Report

2025-3-31





Shenzhen Huaxunshitong Technology Co.,Ltd.

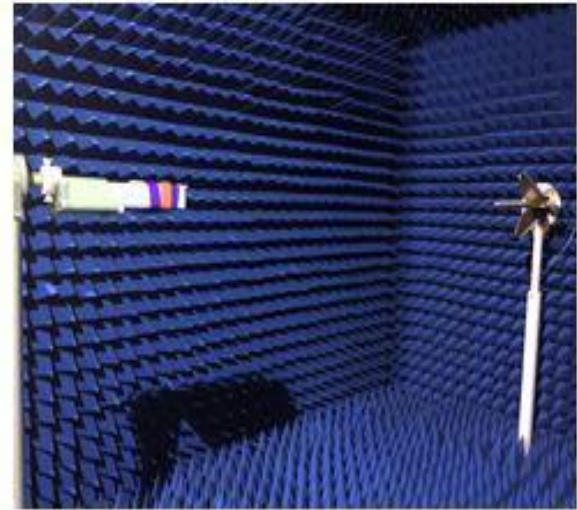
Test items and equipment

	Test Item	Equipment
1. (S-parameter)	1 · (Return Loss) 2 · (VSWR)	Network instrument: Agilent E5071B HP 8753D
(Active)	1 · (TRP) 2 · (TIS)	1 Dark room: ETS 7x4x3 m (3D) · Chamber ETS 5x3x3 m (3D) Chamber 2.Comprehensive tester: Agilent 8960 E5515B × 2 StarPoint SP6011
3. (Passive)	1. (Gain) 2. Efficiency	1 Dark room: ETS 7x4x3 m (3D) · Chamber ETS 5x3x3 m (3D) Chamber 2 · Network instrument: Agilent E5071B HP 8753D





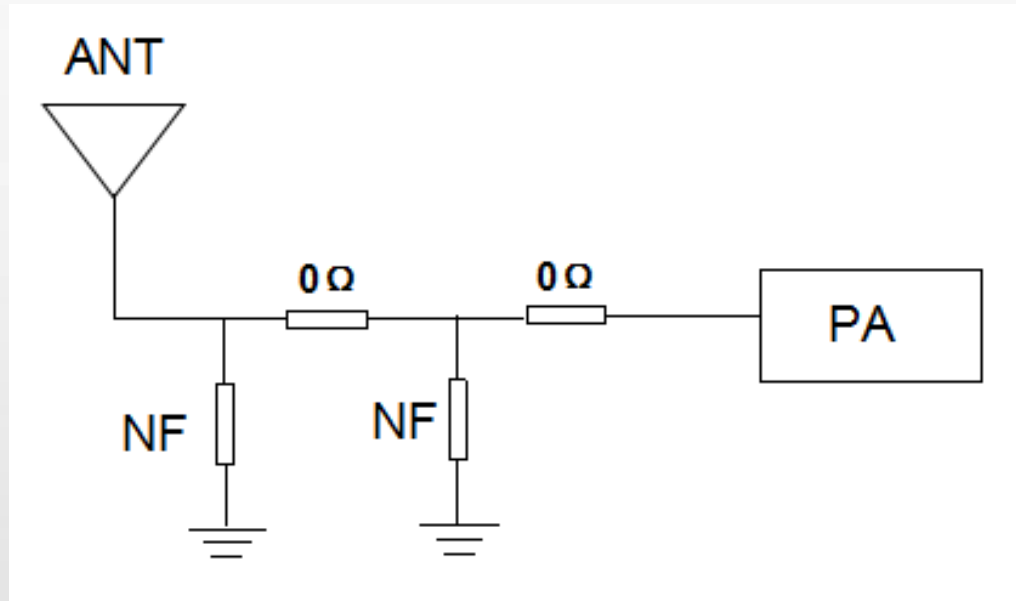
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Matching Circuit-BT Antenna



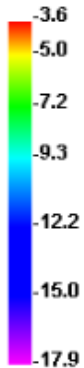
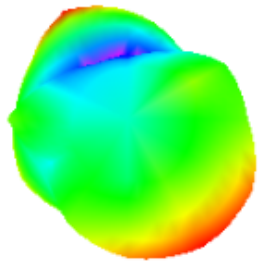
Efficiency and gain

Passive Test For WIFI2.4										
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
2400	16.58	-7.8	-3.59	-5.74	8.505	8.079	-3.59	-17.89	55.76	57.21
2410	18.06	-7.43	-4.08	-6.23	10.078	7.981	-4.08	-19.83	55.83	58.53
2420	18.11	-7.42	-3.53	-5.68	9.534	8.578	-3.53	-15.99	56.07	58.09
2430	20.43	-6.9	-4.03	-6.18	11.073	9.357	-4.03	-16.34	56.25	58.05
2440	20.51	-6.88	-3.68	-5.83	11.024	9.489	-3.68	-22.22	56.61	58.56
2450	21.7	-6.64	-3.61	-5.76	11.534	10.168	-3.61	-17.94	56.87	58.64
2460	20.77	-6.82	-3.84	-5.99	11.417	9.357	-3.84	-16.42	56.54	57.97
2470	20.35	-6.92	-3.15	-5.3	11.26	9.087	-3.15	-15.42	56.17	58.01
2480	19.98	-6.99	-3.86	-6.01	11.332	8.645	-3.86	-20.29	56.4	57.83
2490	20.57	-6.87	-3.29	-5.44	11.469	9.1	-3.29	-15.71	56.48	57.83
2500	20.8	-6.82	-3.37	-5.52	11.886	8.919	-3.37	-14.87	56.61	58.07

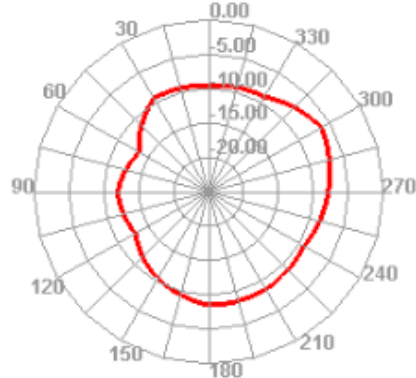


Efficiency and gain

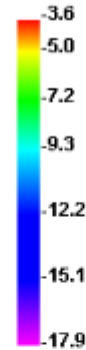
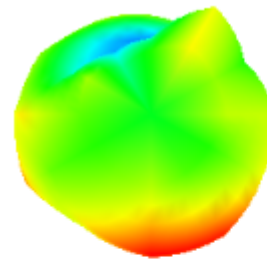
2400.000MHz



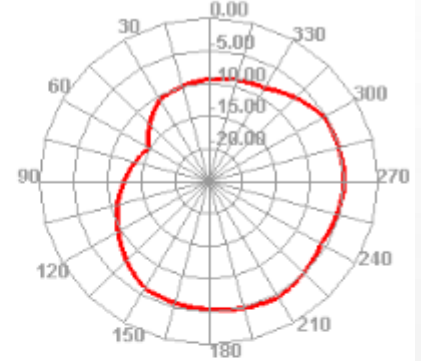
2400.000MHz H



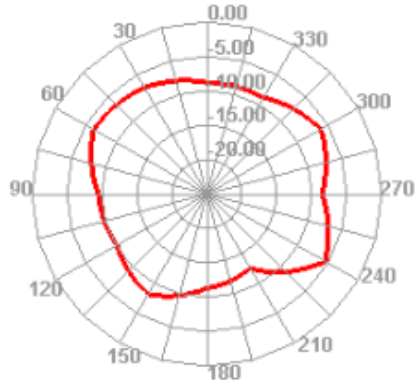
2450.000MHz



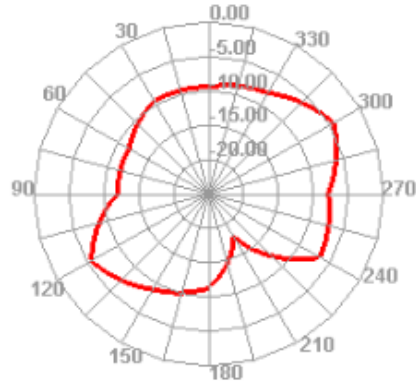
2450.000MHz H



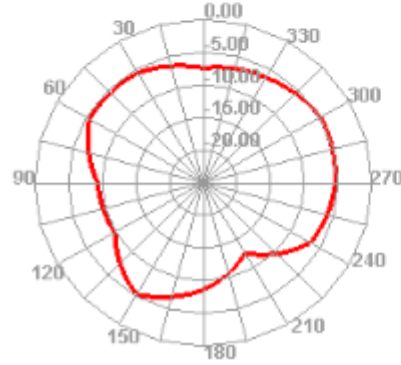
2400.000MHz E1



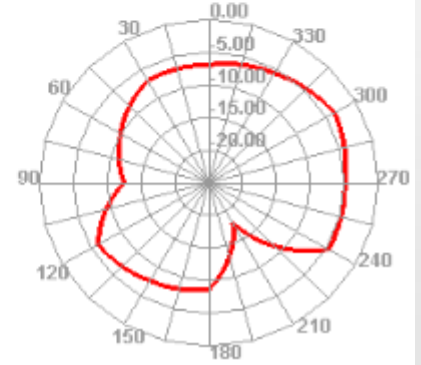
2400.000MHz E2



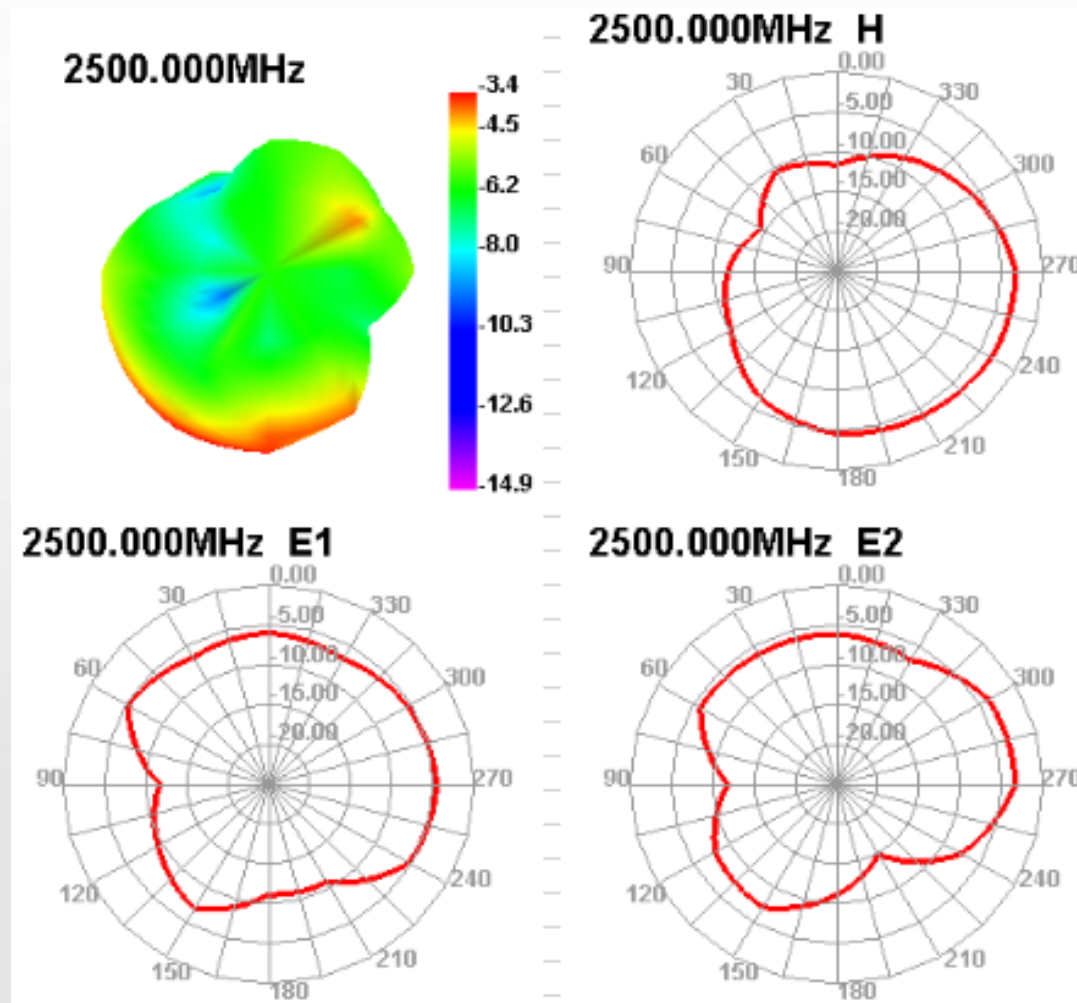
2450.000MHz E1



2450.000MHz E2



Efficiency and gain





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Thanks !

