

Antenna Design & Test Report

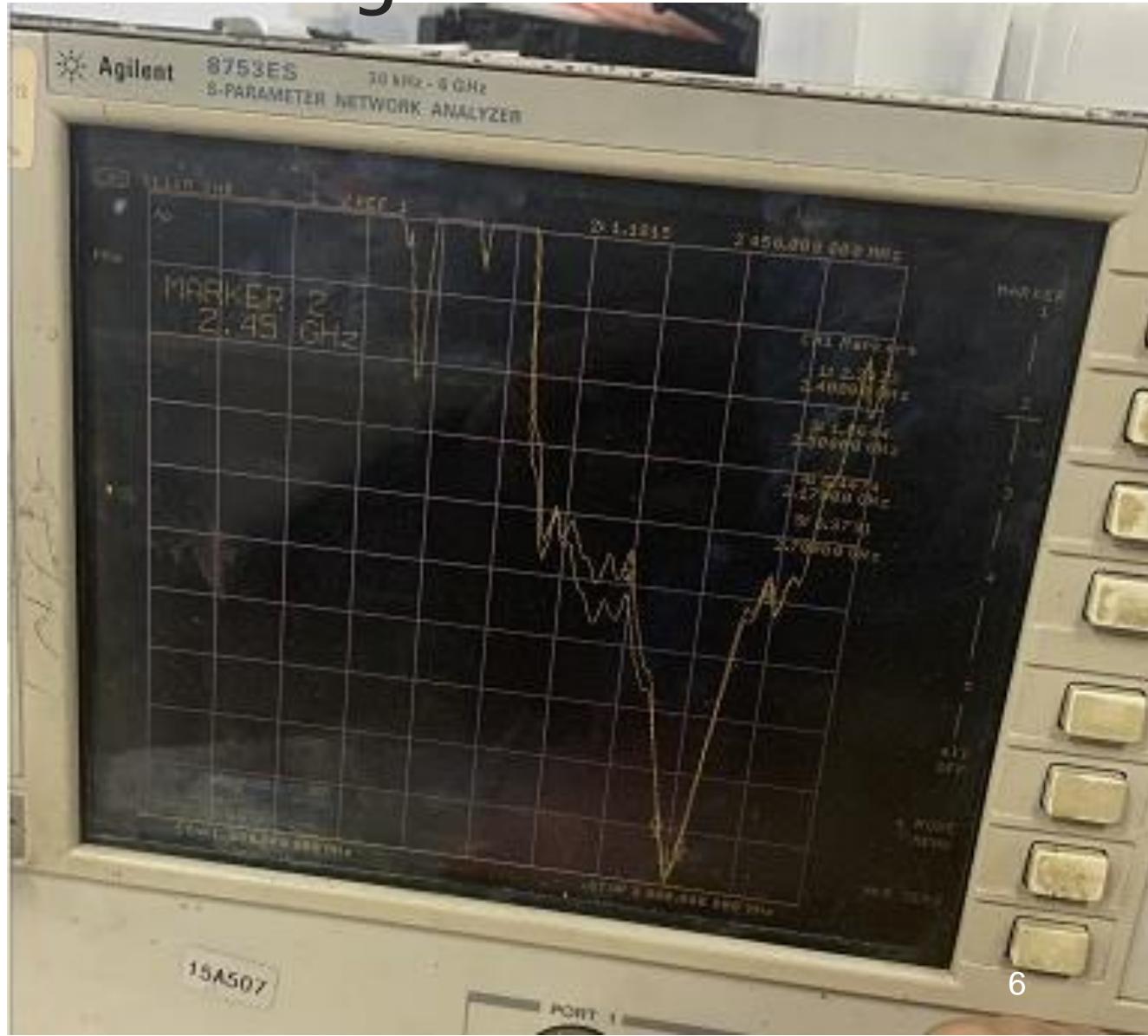
Customer Name	Shenzhen Xiangboyi Technology Co. Ltd
Address	1st Floor, Building 2, Haochuang Longhua Industrial Park, No. 95 Yousong Road, Fukang Community, Longhua Street, Longhua District, Shenzhen
Name	WiFi Antenna
Model	XBY20180101 (L=256MM)
date of TEST	2023-9-21

2023/9/21

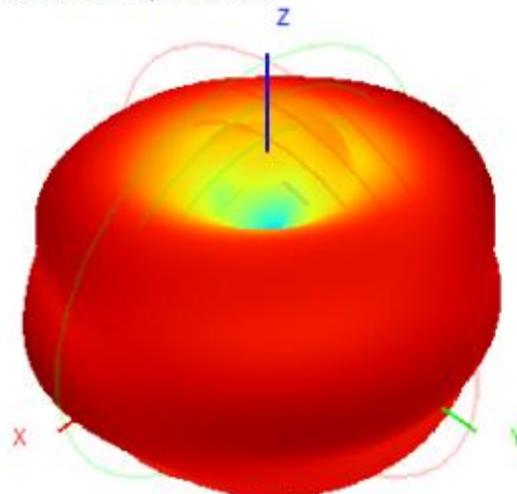
Passive Test For 2.45G						
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHIS (%)	DHIS (%)
2400	51.84	-2.85	1.82	-0.64	24.324	27.516
2410	50.8	-2.94	1.87	-0.56	22.958	27.846
2420	50.07	-3	1.81	-0.9	22.595	27.478
2430	51.59	-3.12	1.96	-1	21.83	26.89
2440	53.96	-3.09	2.28	-0.95	21.537	27.57
2450	54.23	-3.17	2.08	-1.06	21.566	26.621
2460	53.38	-3.36	2.18	-0.97	20.192	25.936
2470	51.37	-3.48	2.12	-0.89	19.393	25.53
2480	49.79	-3.56	1.58	-0.59	18.728	25.318
2490	47.89	-3.3	1.48	-0.59	20.184	26.63
2500	45.14	-3.67	1.25	-0.83	18.604	24.355

2400.00MHz - 2500.00MHz Gain

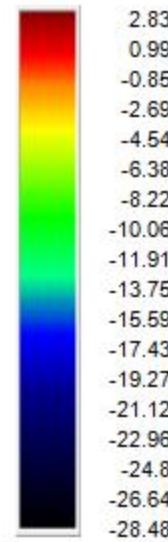
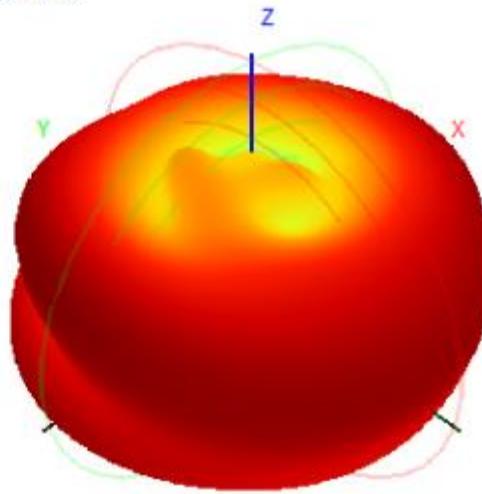
Passive standing wave ratio



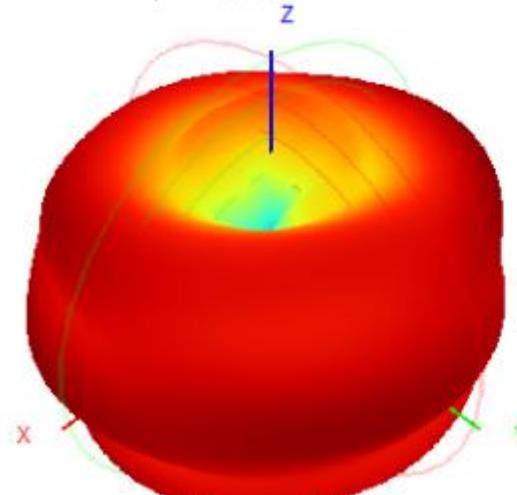
2400.0MHz H+V, Eff: 53. 0%



Back View



2500.0MHz H+V, Eff: 45. 0%



Back View

