

Bluetooth Antenna specification &Test report

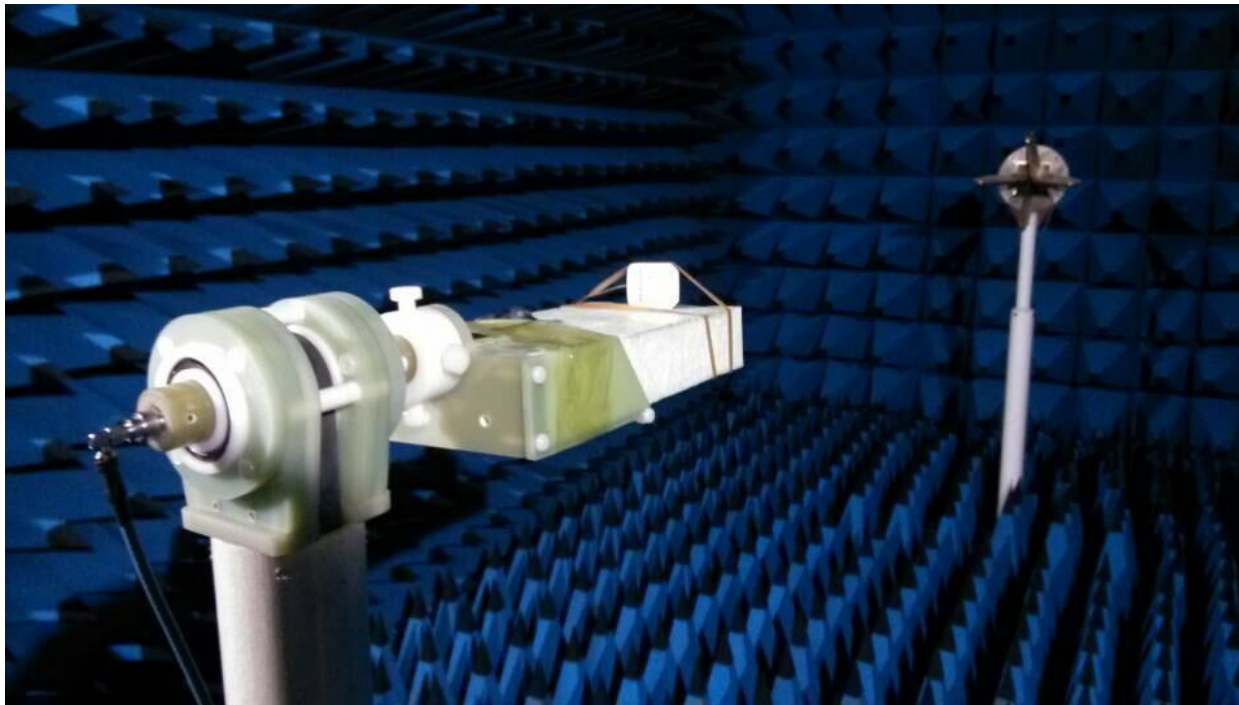
Antenna frequency band: 2.4G

Antenna type:PCB Antenna

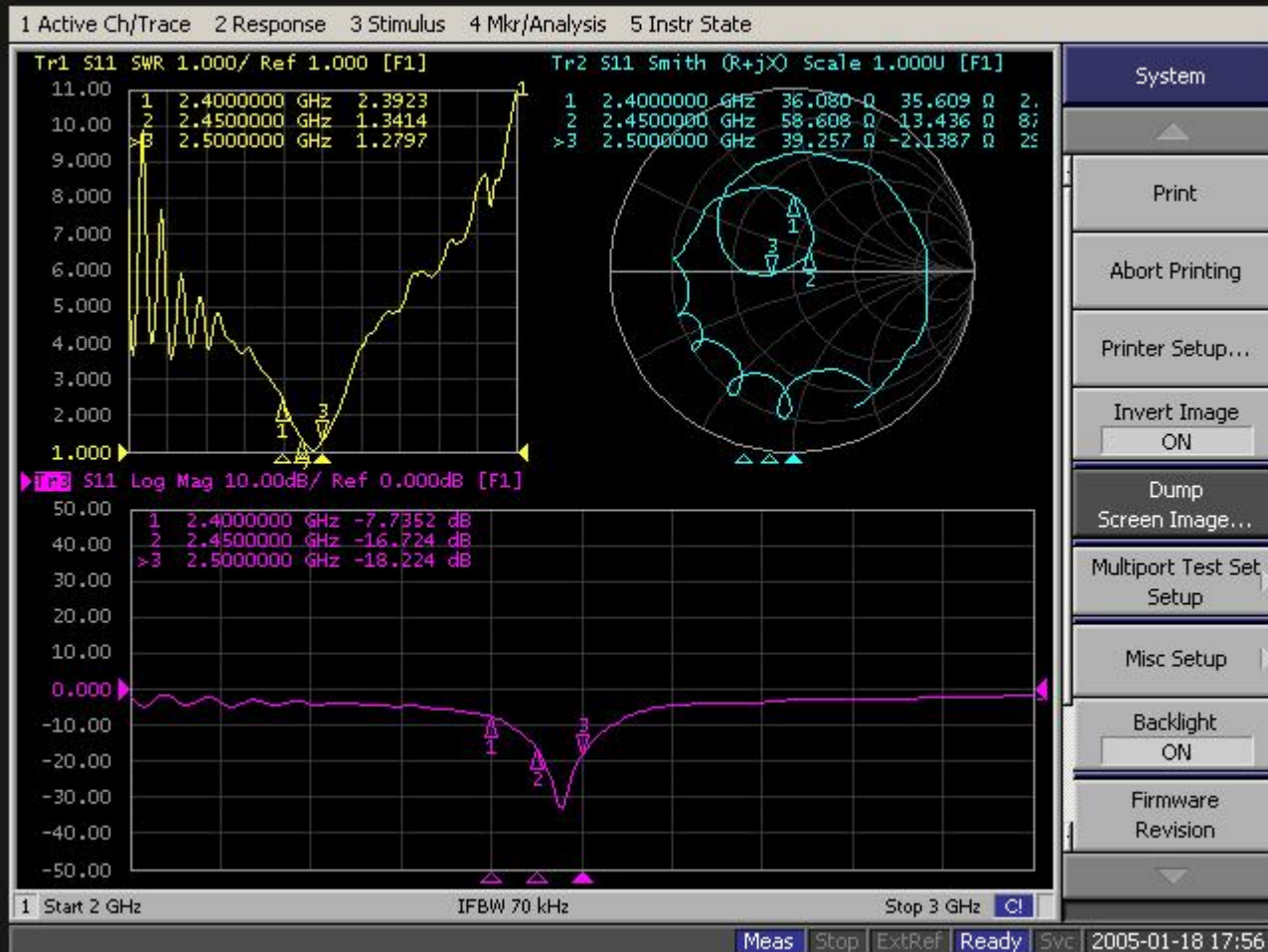
Antenna manufacturer:Zhuhai Hangda Technology Co., Ltd

**Manufacturer's address:Building 3, No.11 Xinqing 2nd Road,
Xinqing Industrial Park, National High tech Zone, Zhuhai City**

Antenna testing environment:



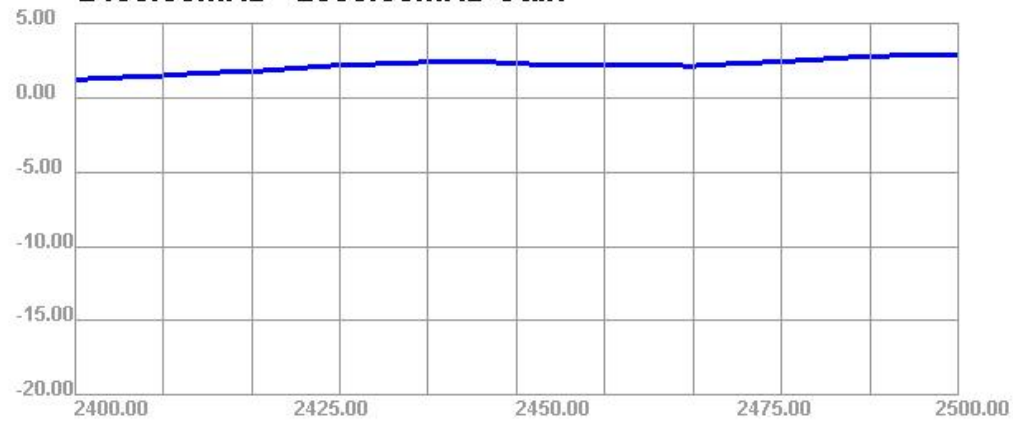
Antenna testing parameters:



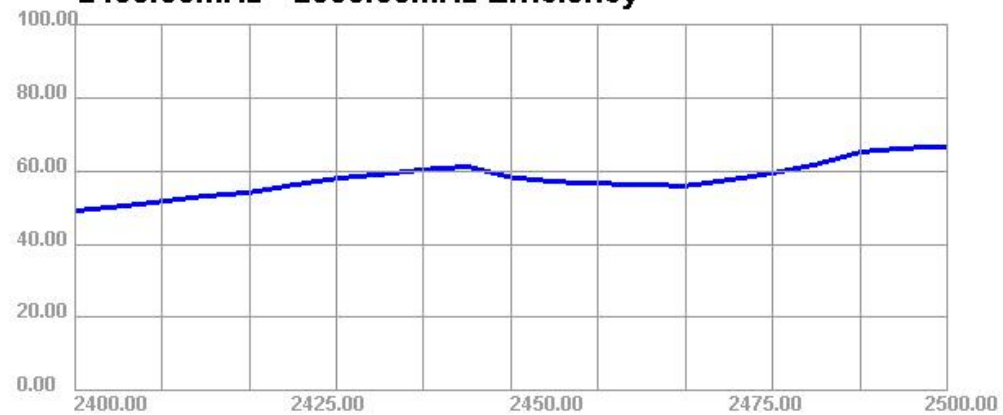
Antenna darkroom test data:

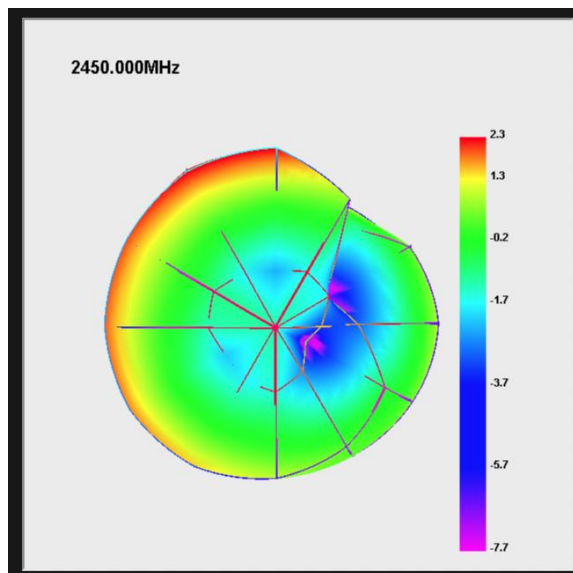
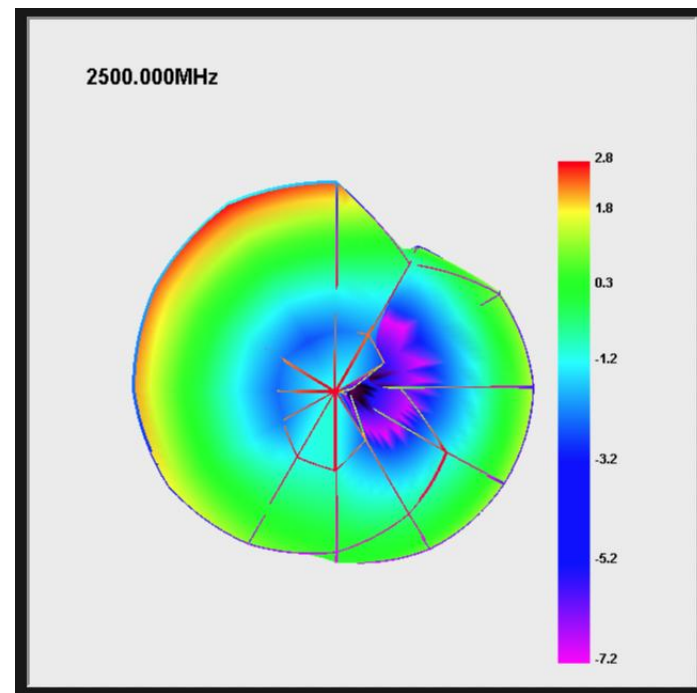
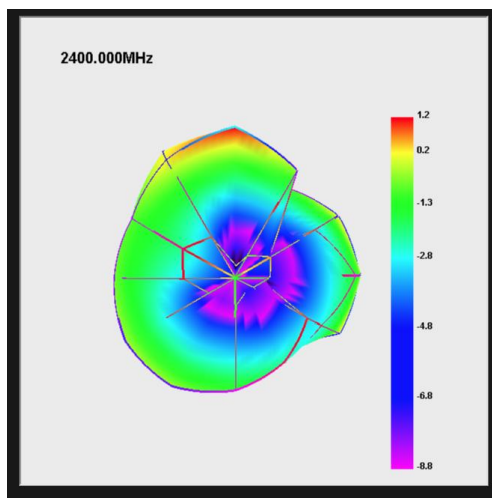
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Direct ivity (dBi)	Beamwi dth (3dB)	AttH (dB)	AttV (dB)
2400	49.09	-3.09	1.21	-0.94	23.997	25.097	1.21	-11.55	4.3	30	45.51	45.06
2405	50.31	-2.98	1.35	-0.8	24.82	25.492	1.35	-11.89	4.34	30	45.39	44.97
2410	51.67	-2.87	1.47	-0.68	25.802	25.866	1.47	-12.49	4.34	30	45.14	44.7
2415	53.16	-2.74	1.67	-0.48	26.998	26.165	1.67	-13.11	4.42	30	45.49	45.04
2420	54.11	-2.67	1.75	-0.4	27.945	26.168	1.75	-13.82	4.42	30	45.67	45.27
2425	56.17	-2.51	1.98	-0.17	29.455	26.714	1.98	-14.35	4.48	30	45.31	44.93
2430	57.96	-2.37	2.19	0.04	30.896	27.061	2.19	-14.84	4.56	30	45.28	44.87
2435	59.06	-2.29	2.27	0.12	31.917	27.139	2.27	-15.32	4.55	0	45.74	45.31
2440	60.38	-2.19	2.39	0.24	33.08	27.3	2.39	-16.38	4.58	0	45.75	45.35
2445	61.19	-2.13	2.46	0.31	33.822	27.363	2.46	-17.14	4.6	0	45.44	45.01
2450	58.3	-2.34	2.28	0.13	32.41	25.888	2.28	-18.38	4.62	0	45.36	44.92
2455	57.07	-2.44	2.2	0.05	31.893	25.178	2.2	-19.07	4.63	0	45.45	45
2460	56.64	-2.47	2.16	0.01	31.69	24.946	2.16	-19.33	4.63	0	45.39	44.93
2465	56.24	-2.5	2.18	0.03	31.395	24.844	2.18	-18.81	4.68	0	45.46	44.97
2470	55.95	-2.52	2.13	-0.02	31.092	24.858	2.13	-18.07	4.65	0	45.43	44.94
2475	57.55	-2.4	2.29	0.14	31.829	25.719	2.29	-16.72	4.69	0	45.29	44.8
2480	59.41	-2.26	2.42	0.27	32.683	26.722	2.42	-15.7	4.68	0	45.48	45
2485	61.79	-2.09	2.59	0.44	33.792	27.995	2.59	-14.68	4.69	30	45.75	45.29
2490	65.17	-1.86	2.79	0.64	35.401	29.767	2.79	-13.77	4.65	30	45.64	45.23
2495	66.21	-1.79	2.83	0.68	35.838	30.372	2.83	-13.27	4.62	30	45.6	45.17
2500	66.59	-1.77	2.82	0.67	36.006	30.588	2.82	-12.75	4.59	30	45.93	45.51

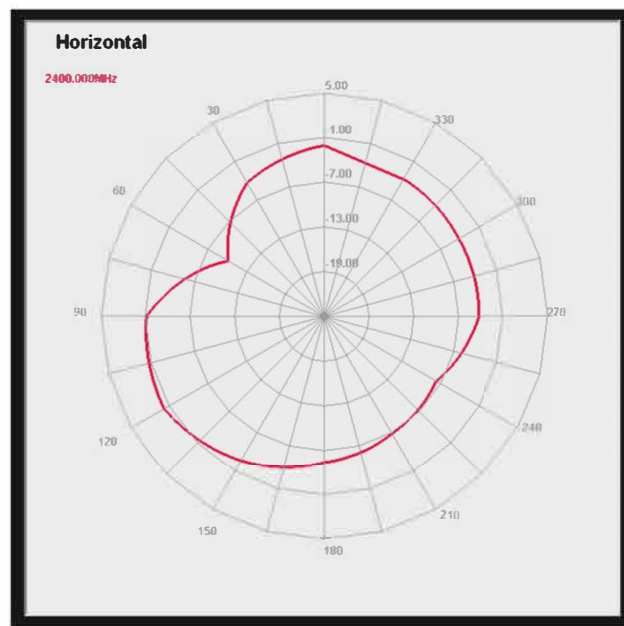
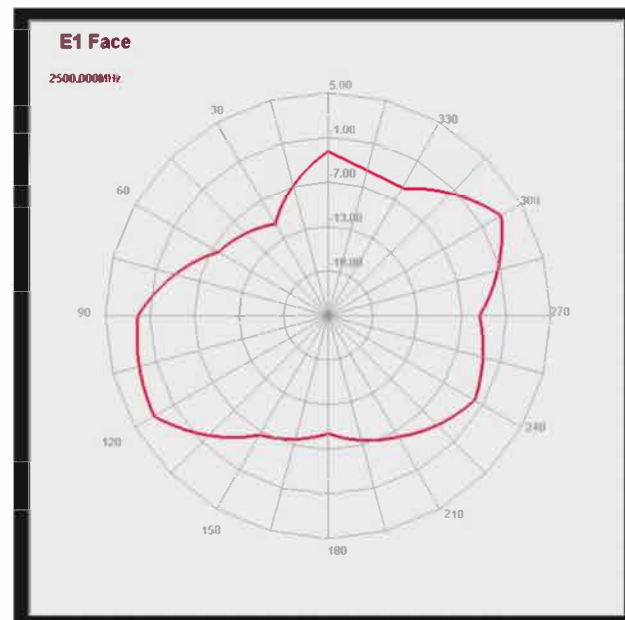
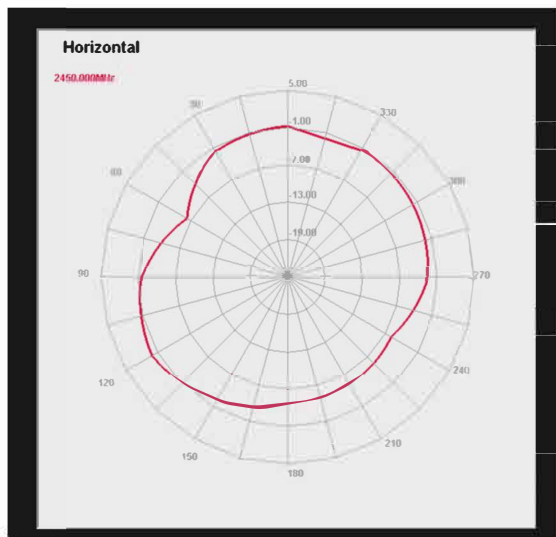
2400.00MHz - 2500.00MHz Gain



2400.00MHz - 2500.00MHz Efficiency







Antenna size:

