

BT&WIFI&GPS Antenna Specification

GPS&WIFI&BT Antenna

●Technical parameters

Frequency: 1575MHz /2400MHz~2500MHz/

5150MHz~5800MHz/5925 MHz~7125MHz

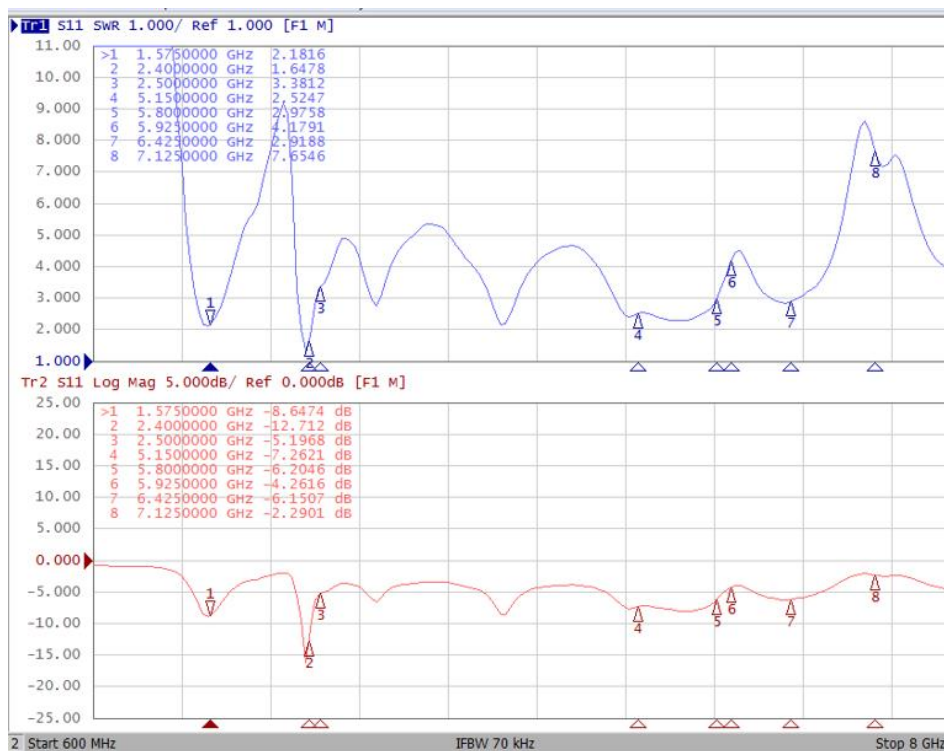
Antenna manufacturer: Shenzhen Bogesi Communication Technology Co., Ltd.

Antenna Type: PIFA Antenna

Electric eye standing wave ratio: $\leq 7.65:1$

model: XT4

●S11



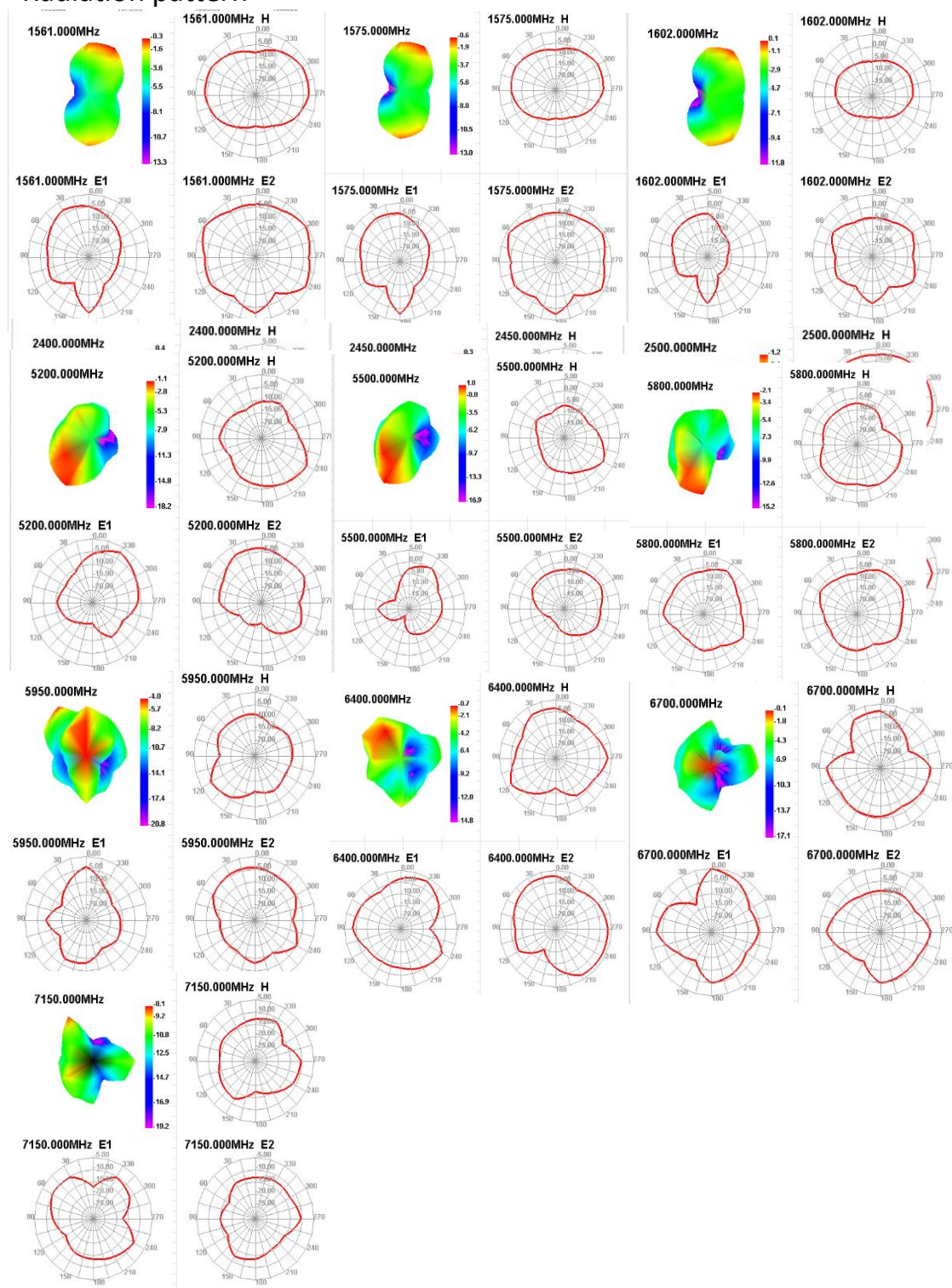
●Efficiency and gain

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
1559	37.59	-0.29	1576	35.69	-0.66
1560	37.49	-0.29	1577	35.52	-0.69
1561	37.35	-0.29	1578	35.37	-0.72
1562	37.17	-0.3	1579	35.26	-0.75
1563	37.03	-0.31	1580	35.13	-0.77
1570	37.45	-0.39	1600	36.17	-0.01
1571	37.16	-0.44	1601	36.51	0.02
1572	36.87	-0.48	1602	36.74	0.06
1573	36.55	-0.53	1603	36.84	0.08
1574	36.23	-0.57	1604	36.86	0.08
1575	35.98	-0.61	1605	36.77	0.07
2400	39.25	0.44	5520	47.53	1.2
2410	44.34	0.95	5540	47.01	1.19
2420	44.77	0.9	5560	48.26	1.42
2430	45.99	0.91	5580	49.76	1.51
2440	46.29	0.77	5600	46.38	0.98
2450	44.23	0.27	5620	47.03	0.93
2460	42.36	-0.17	5640	45.95	0.64

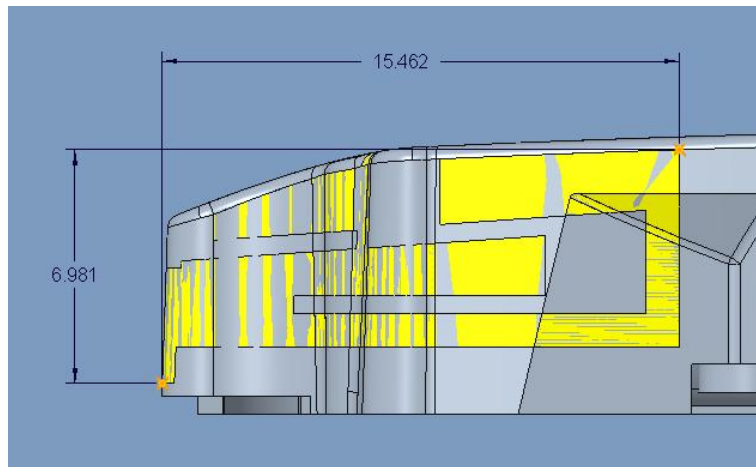
2470	40.62	-0.44	5660	45.66	0.4
2480	40.4	-0.53	5680	44.87	0.02
2490	39.6	-0.76	5700	44.14	-0.42
2500	37.83	-1.23	5720	42.96	-0.79
			5740	42.53	-1.24
5100	34.23	-1.58	5760	40.14	-1.85
5120	35.16	-1.28	5780	38.16	-2.17
5140	35.56	-1.21	5800	37.72	-2.13
5160	38.19	-0.72	5820	35.51	-2.42
5180	36.67	-1.09	5840	33.89	-2.68
5200	36.63	-1.06	5860	33.6	-2.02
5220	38.89	-0.64	5880	30.33	-2.79
5240	37.48	-0.95	5900	28.45	-2.96
5260	38.73	-0.66	5950	25.35	-2.99
5280	39.77	-0.52	6100	24.9	-3.18
5300	39.42	-0.57	6250	32.9	-2.03
5320	38.36	-0.64	6400	29.73	-0.71
5340	39.41	-0.2	6550	30.47	1.13
5360	39.08	-0.2	6700	28.3	-0.08
5380	41.38	0.18	6850	24.62	-3.91
5400	43.12	0.48	7000	26.78	-3.33
5420	43.23	0.53	7150	22.37	-3.95

5440	43.94	0.66			
5460	44.89	0.89			
5480	44.74	0.95			
5500	45.78	1			

●Radiation pattern



- Structure size



GPS&WIFI&BT Antenna

●Technical parameters

Frequency: 1176MHz /2400MHz~2500MHz/

5150MHz~5800MHz//5925 MHz~7125MHz

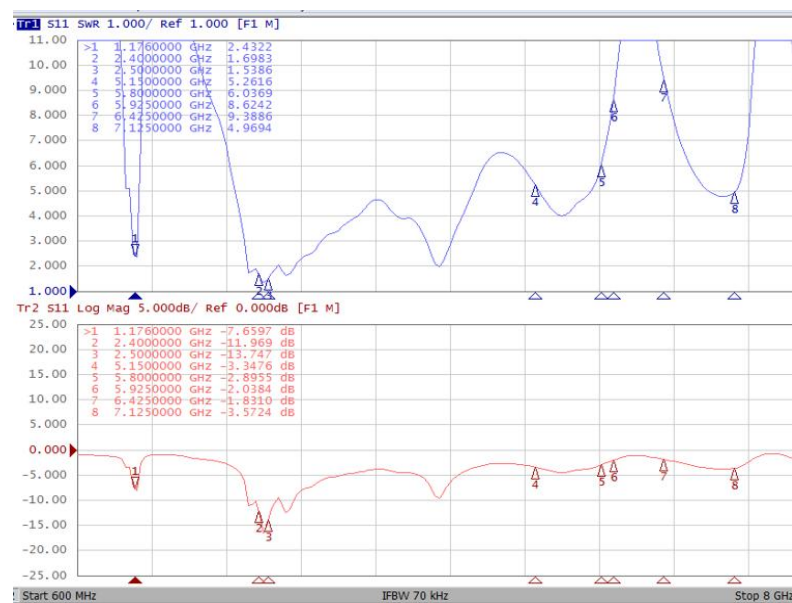
Antenna manufacturer: Shenzhen Bogesi Communication Technology

Co., Ltd.

Antenna Type: PIFA Antenna

Electric eye standing wave ratio: $\leq 9.38:1$

●S11

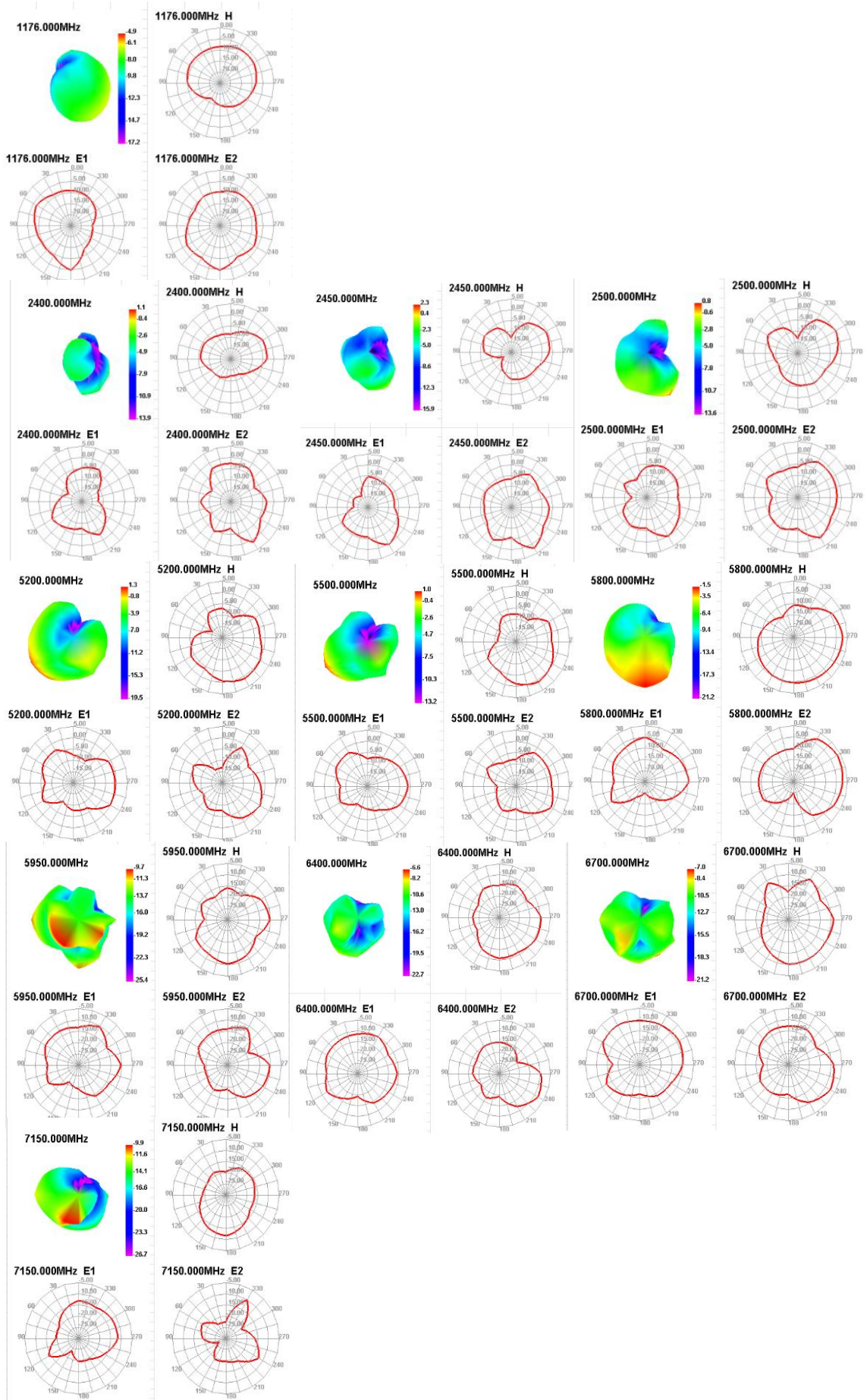


●Efficiency and gain

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
1170	18.13	-4.82	2400	31.51	1.13
1171	17.91	-4.9	2410	33.28	2.1
1172	17.75	-4.97	2420	34.25	2.41
1173	17.69	-4.99	2430	35.56	2.83
1174	17.73	-4.99	2440	37.36	2.75
1175	17.84	-4.94	2450	37.46	2.27
1176	17.94	-4.9	2460	37.07	1.66
1177	17.98	-4.9	2470	37.65	1.29
1178	17.88	-4.93	2480	41.74	1.43
1179	17.6	-5.03	2490	43.23	1.27
1180	17.18	-5.17	2500	42.49	0.81
5100	42.51	1.22	5620	36.82	-0.05
5120	42.73	1.18	5640	39.3	-0.09
5140	43.08	1.11	5660	38.22	-0.09
5160	42.18	0.96	5680	35.74	-0.71
5180	43	1.08	5700	34.83	-0.55
5200	44.81	1.33	5720	31.46	-0.83
5220	44.82	1.39	5740	30.79	-1.39

5240	44.85	1.45	5760	30.59	-1.29
5260	44.06	1.49	5780	29.51	-1.38
5280	43.19	1.4	5800	27.61	-1.52
5300	43.8	1.55	5820	27.23	-1.74
5320	46.18	1.84	5840	25.01	-2.12
5340	47.15	1.98	5860	23.98	-2.96
5360	50.29	2.21	5880	22.93	-2.65
5380	50.73	2.22	5900	21.27	-3.24
5400	48.29	1.95	5950	15.42	-3.73
5420	48.92	1.88	6100	14.99	-4.7
5440	43.25	1.28	6250	16.37	-3.54
5460	42.98	1.16	6400	17.42	-3.62
5480	43.74	1.27	6550	15.02	-4.18
5500	41.26	0.97	6700	17.12	-3.98
5520	41.02	1.07	6850	17.13	-3.72
5540	39.76	0.78	7000	13.85	-4.06
5560	37.46	0.53	7150	13.61	-4.93
5580	35.28	0.15			
5600	39.97	0.61			

●Radiation pattern



●Structure size

