

BT&WIFI&GPS Antenna Specification

ANT2

- Technical parameters

WLAN: GPS&WIFI&BT

Antenna manufacturer company: Sunnyway Technology

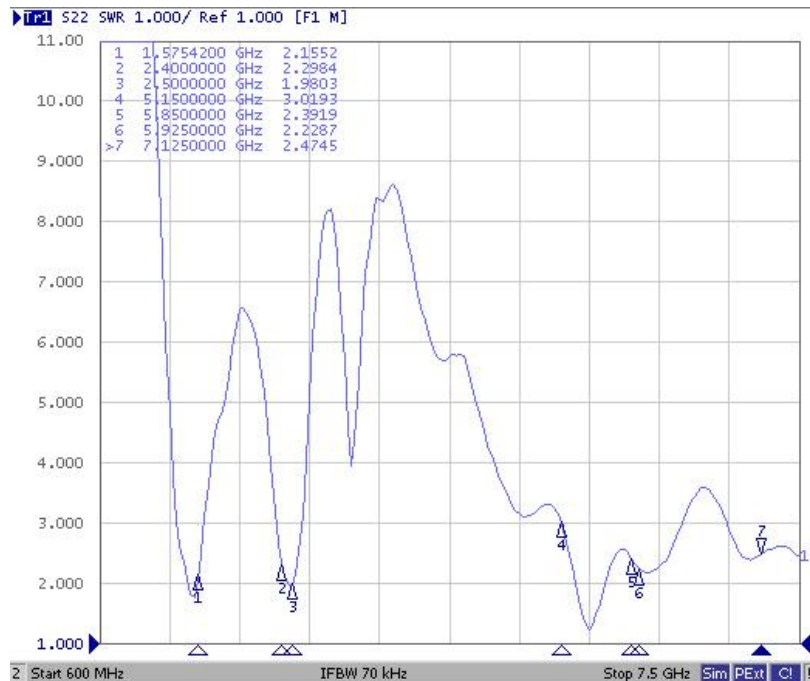
Antenna Type: PIFA

model: DT66

Frequency: 1575MHz, 2400MHz~2500MHz, 5150MHz~7125MHz

SWR: ≤ 4.0 : 1

- S11

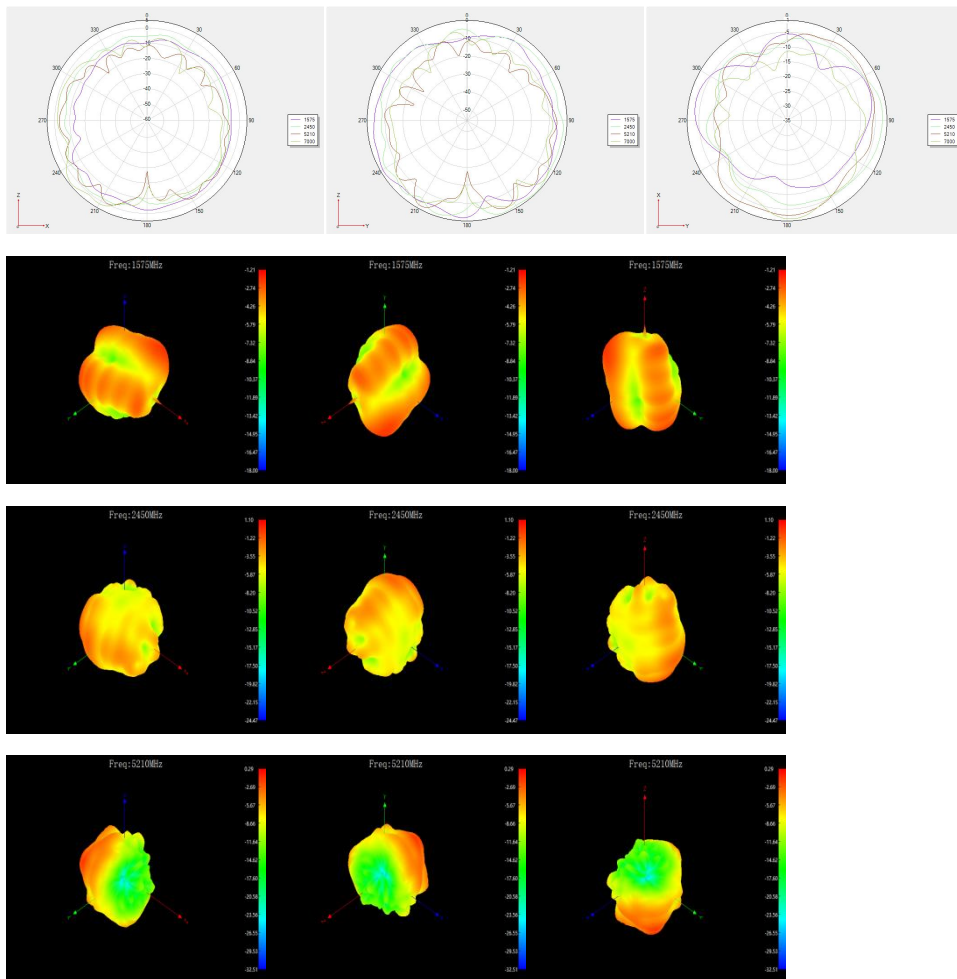


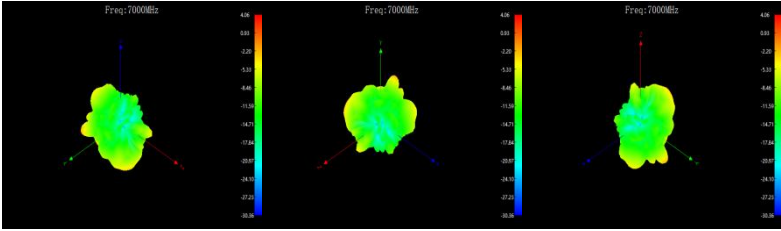
● Efficiency and gain

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Frequency/Mhz	MaxGain/dBi	Efficiency / %
1575	-1.21	26.88	6020	-2.23	22.32
1577	-1.15	26.99	6030	-2.55	21.71
1579	-1.09	27.15	6080	-1.4	21.14
1581	-1.03	27.15	6110	-0.84	22.79
1583	-1.04	26.99	6150	-0.13	22.9
1585	-1.14	26.66	6170	0.5	25.14
1587	-1.13	26.71	6210	0.77	25.68
1589	-1.12	26.28	6240	0.65	24.92
1591	-1.13	25.8	6290	0.99	26.46
1593	-1.14	25.7	6300	0.73	25.59
1595	-1.11	25.91	6350	1.19	26.94
1597	-1.18	25.49	6380	1.53	27.13
1599	-1.23	25.49	6420	1.99	28.44
1602	-1.24	25.7	6440	2.27	29.07
2400	0.41	32.51	6480	2.75	30.49
2410	0.84	33.27	6510	2.39	26.99
2420	0.41	31.77	6560	3.35	30.77
2430	0.73	33.2	6570	2.91	28.44
2440	0.76	34.77	6620	2.79	28.54
2450	1.1	32.21	6650	2.84	28.39
2460	0.97	31.33	6690	3.25	29.23
2470	1.44	33.34	6710	3.11	28.75
2480	1.25	34.04	6750	3.14	28.75
2490	1.24	33.57	6780	2.71	26.89
2500	0.74	32.58	6830	3.39	29.5
5150	0.09	29.23	6840	3.17	28.75
5160	0.08	28.65	6890	3.66	29.28
5210	0.29	27.43	6920	3.87	30.38
5240	0.54	28.54	6960	3.72	30.21
5280	0.17	26.46	6980	3.53	28.7
5300	0.29	27.58	7020	3.22	27.98
5340	-0.16	27.18	7050	3.26	28.49
5370	-0.38	25.86	7100	3.1	29.23
5420	-0.15	27.93	7110	3.06	28.49
5430	-0.24	27.98	7160	2.64	29.23
5480	-0.17	29.77	7190	3.11	30.83
5510	-0.2	30.95			

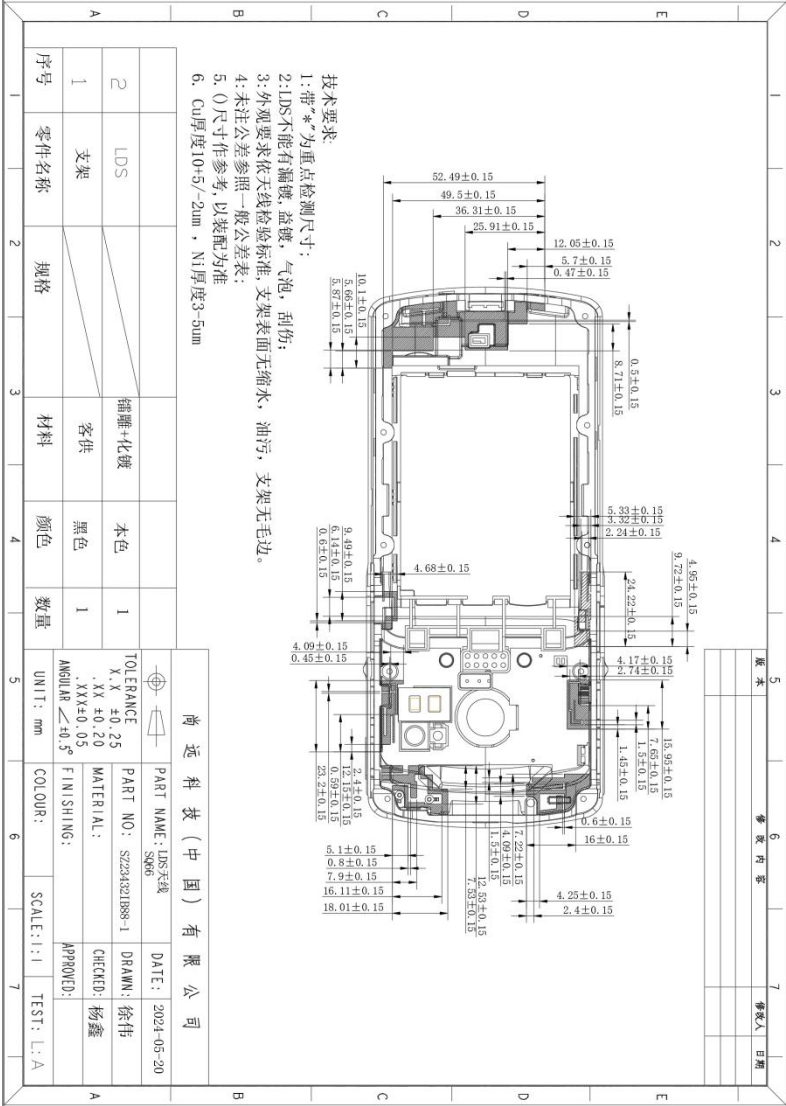
5550	-0.18	31.06
5570	-0.06	30.21
5610	0.03	30.38
5640	-0.6	26.7
5690	-0.79	25.63
5700	-0.76	25.54
5750	-0.86	23.34
5780	-1.08	22.11
5820	-1.49	23.7
5840	-1.8	22.39
5940	-2.84	21.8
5970	-3.03	21.3

● Radiation pattern





● Structure size



ANT3

- Technical parameters

WLAN: GPS&WIFI&BT

Antenna manufacturer company: Sunnyway Technology

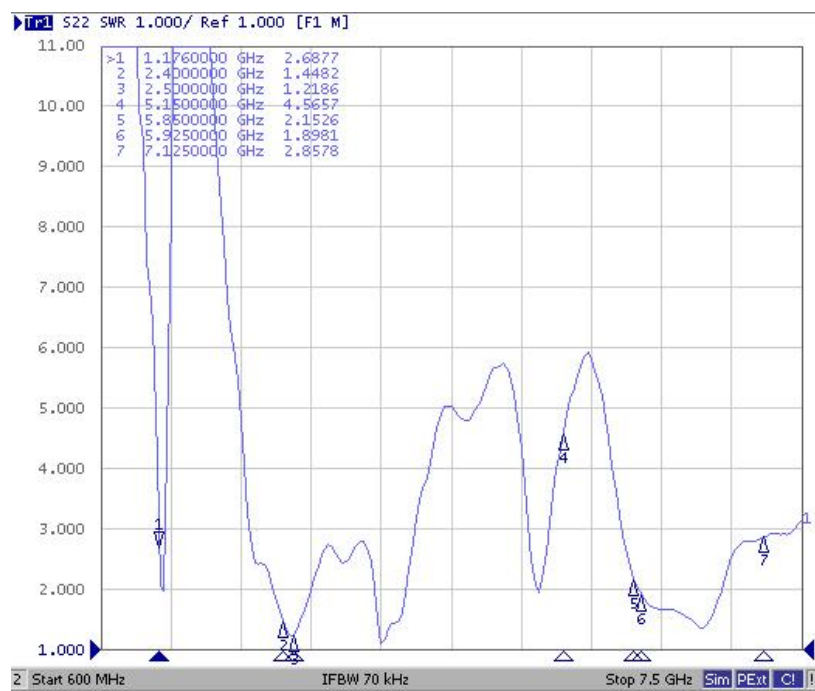
Antenna Type: PIFA

model: DT66

Frequency: 1176MHz, 2400MHz~2500MHz, 5150MHz~7125MHz

SWR: $\leq 6.0: 1$

- S11

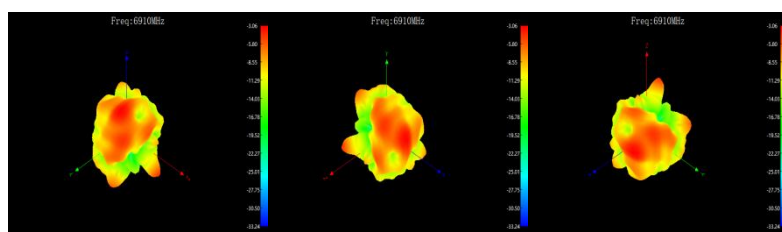
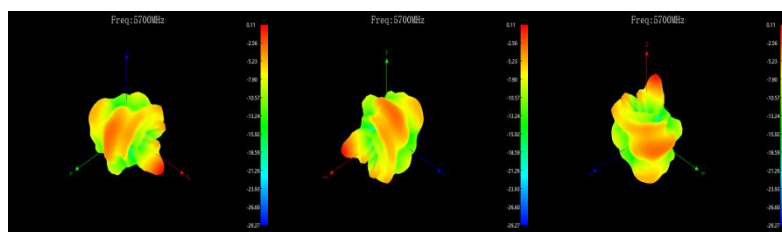
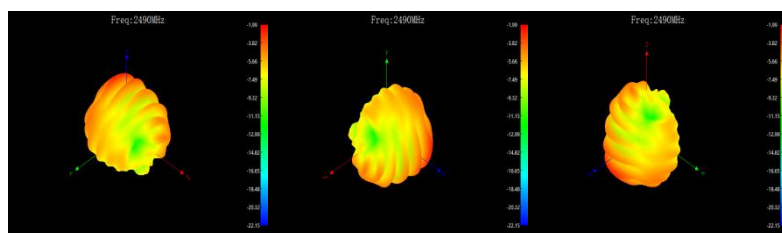
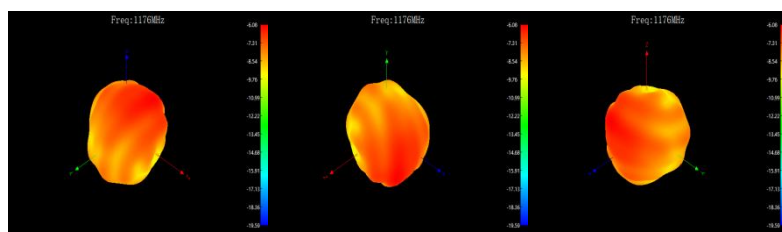
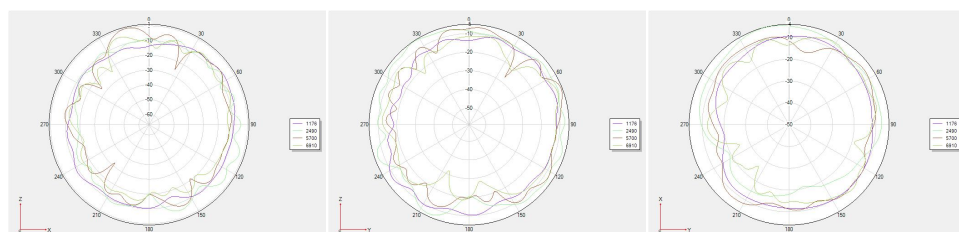


● Efficiency and gain

Frequency/Mhz	MaxGain/dBi	Efficiency / %	Frequency/Mhz	MaxGain/dBi	Efficiency / %
1160	-6.53	20.59	6020	-0.54	21.22
1161	-6.54	20.64	6030	-0.83	20.76
1163	-6.46	20.8	6080	-0.84	22.79
1164	-6.41	20.85	6110	-0.58	24.79
1166	-6.36	20.85	6150	-0.59	25.74
1167	-6.36	20.82	6170	-0.27	28.24
1169	-6.39	20.71	6210	-0.5	29.28
1170	-6.37	20.71	6240	-0.91	29.05
1172	-6.3	20.74	6290	-0.73	29.86
1173	-6.23	20.82	6300	-0.79	29.23
1175	-6.15	20.91	6350	-0.56	28.75
1176	-6.08	21.02	6380	-0.56	28.24
1178	-6.06	21.07	6420	-0.56	27.26
1179	-6.07	21.07	6440	-0.67	26.41
2400	-2.63	24.16	6480	-0.63	25.85
2410	-2.37	23.84	6510	-1.12	22.97
2420	-2.98	22.97	6560	-1.12	23
2430	-2.48	23.27	6570	-1.49	21.99
2440	-2.6	23.15	6620	-2.4	21.32
2450	-2.24	22.91	6650	-2.54	21.14
2460	-2.47	22.27	6690	-2.5	21.8
2470	-2.25	22.19	6710	-2.64	20.84
2480	-2.14	22.3	6750	-2.29	20.86
2490	-1.99	22.25	6780	-2.96	19.48
2500	-2.09	22.05	6830	-2.8	19.66
5150	-1.44	12.24	6840	-2.85	19.44
5160	-2.09	12.25	6890	-3.66	17.66
5210	-2.81	11.89	6920	-3.23	17.89
5240	-2.34	11.91	6960	-3.37	16.84
5280	-1.81	11.98	6980	-3.69	16.03
5300	-1.33	12.06	7020	-4.26	15.11
5340	-1.76	12.26	7050	-4.58	14.68
5370	-2.49	12.49	7100	-4.66	14.16
5420	-2.8	13.04	7110	-5.37	13.73
5430	-2.51	13.2	7160	-6.37	13.3
5480	-3.37	13.89	7190	-6.85	13.13
5510	-3.36	14.81			
5550	-3.65	15.96			
5570	-2.51	16.52			

5610	-2.64	18.65			
5640	-2	18.95			
5690	-0.19	21.17			
5700	0.11	21.48			
5750	0.43	20.64			
5780	0.13	19.35			
5820	0.11	19.06			
5840	-0.15	18.39			
5940	-0.35	19.71			
5970	-0.5	19.64			

● Radiation pattern



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