

BT&WIFI&GPS Antenna Specification

ANT2

- Technical parameters

WLAN: GPS&WIFI&BT

Antenna manufacturer company: Sunnyway Technology

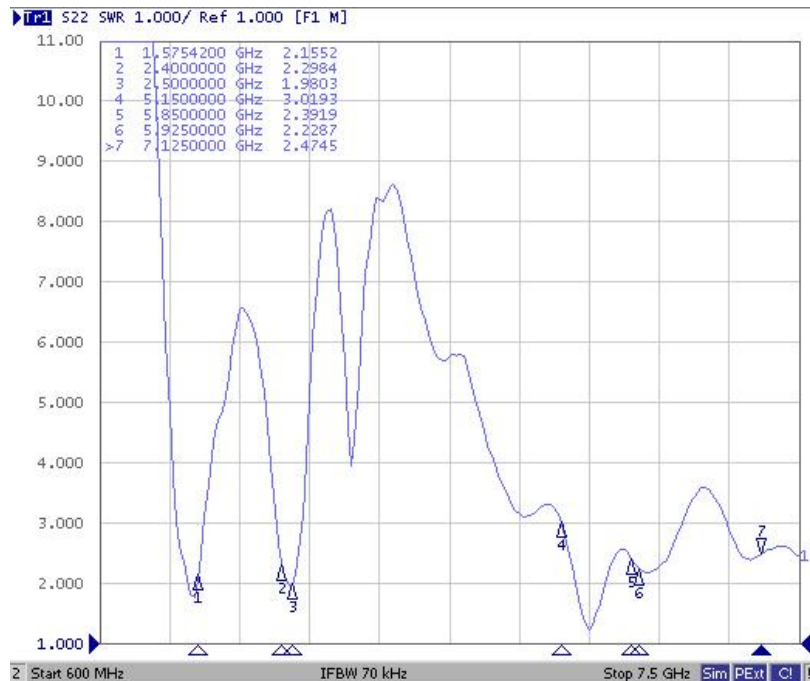
Antenna Type: PIFA

model: DT66

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

SWR: ≤ 4.0 : 1

- S11

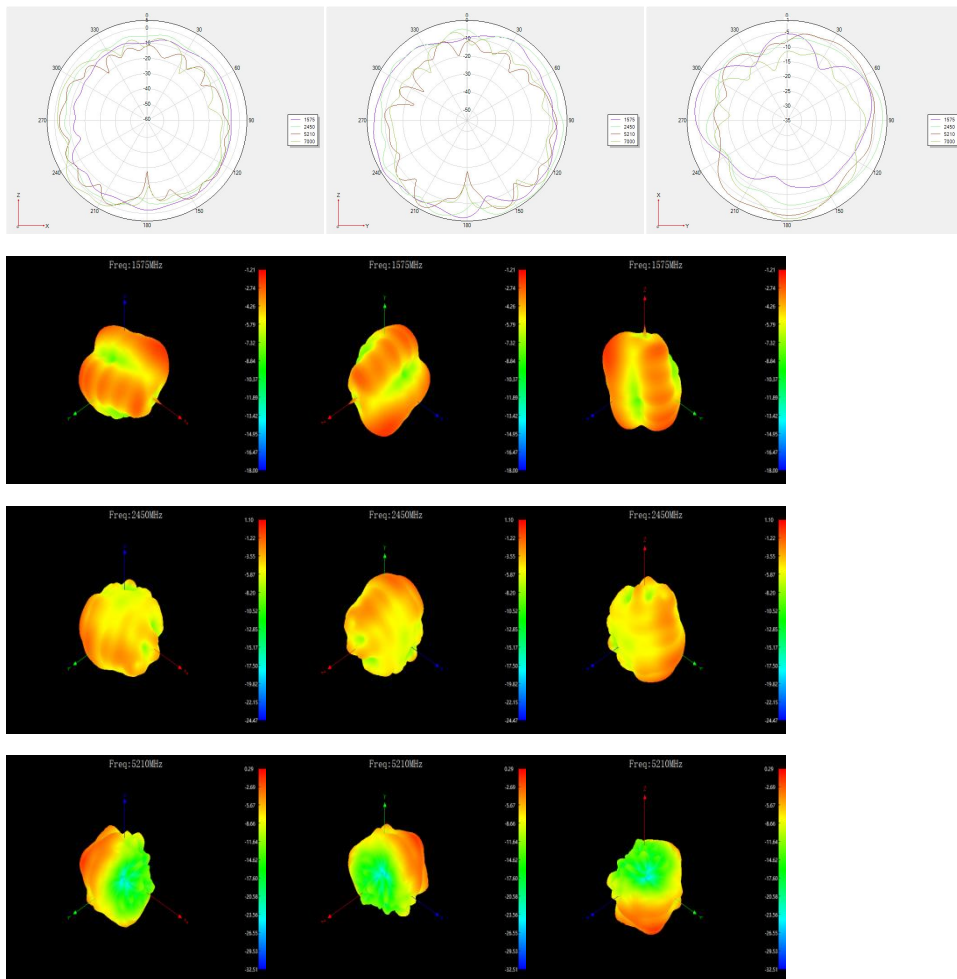


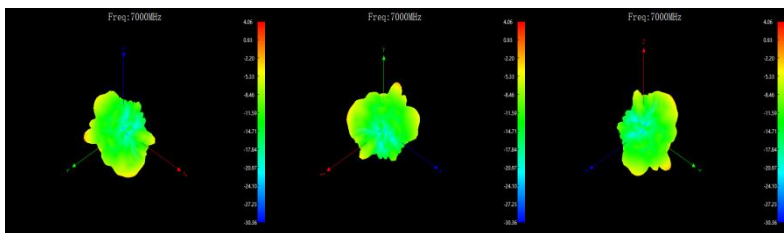
● Efficiency and gain

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			

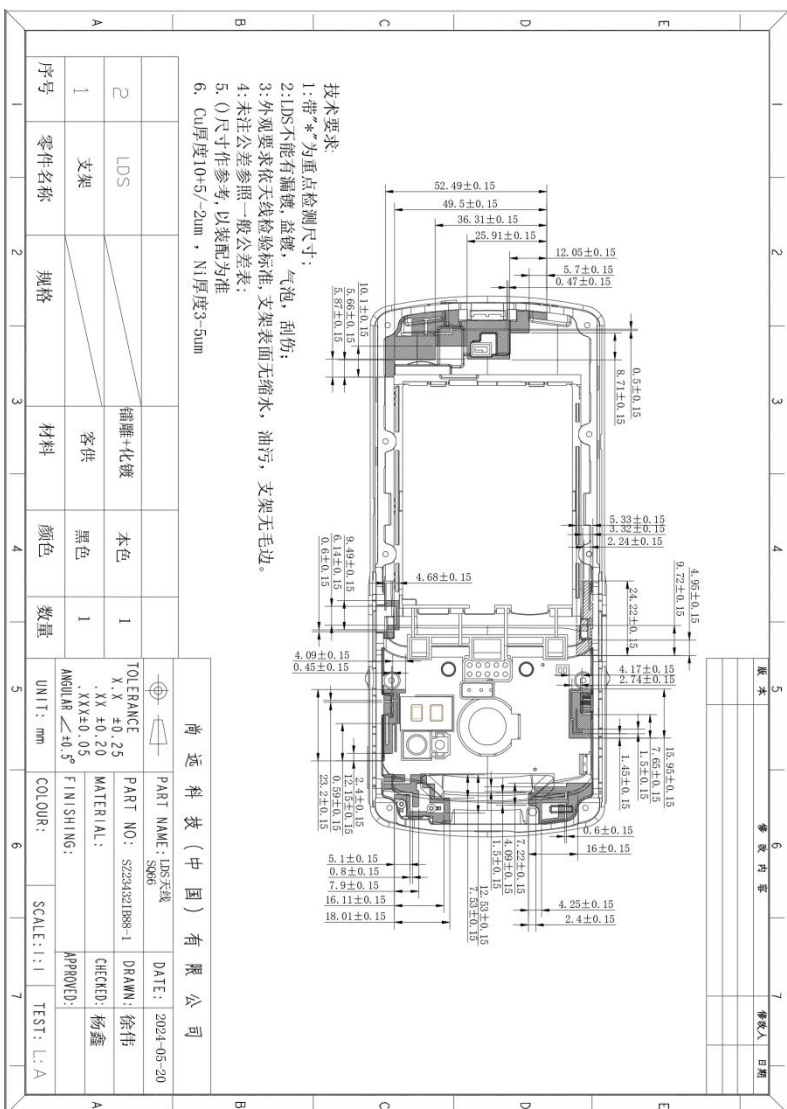
5550	-0.18	31.06
5570	-0.06	30.21
5610	0.03	30.38
5640	-0.6	26.7
5690	-0.79	25.63
5700	-0.76	25.54
5750	-0.86	23.34
5780	-1.08	22.11
5820	-1.49	23.7
5840	-1.8	22.39
5940	-2.84	21.8
5970	-3.03	21.3

● Radiation pattern





- Structure size



2	LDS		铝雕+化玻	本色	1
1	支架		客供	黑色	1
序号	零件名称	规格	材料	颜色	数量

尚远科技(中国)有限公司

5.1	0.59 ± 0.15	23.2 ± 0.15
0.8		
7.9		
16.1		
18.0		

$$2.4 \pm 0.15$$

Technical drawing showing a cross-section of a mechanical assembly. Dimensions are indicated by arrows pointing to specific features:

- $\phi 6$
- 6
- 6
- 15
- 15

7.53 ± 0.15

4.09 ± 0.15	
1.5 ± 0.15	
12.53 ± 0.15	

7.22 ± 0.15

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions 4.2 and 2.4.

$$\begin{array}{r} 4.17 \\ 2.74 \\ \hline 1.45 \pm 0.15 \\ 0.15 \\ \hline 0.15 \\ \hline 0.15 \end{array}$$

15.95 ± 0.15	7.65 ± 0.15	1.5 ± 0.15
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2	6	7
版本	修改内容	修改人 日期

ANT3

- Technical parameters

WLAN: GPS&WIFI&BT

Antenna manufacturer company: Sunnyway Technology

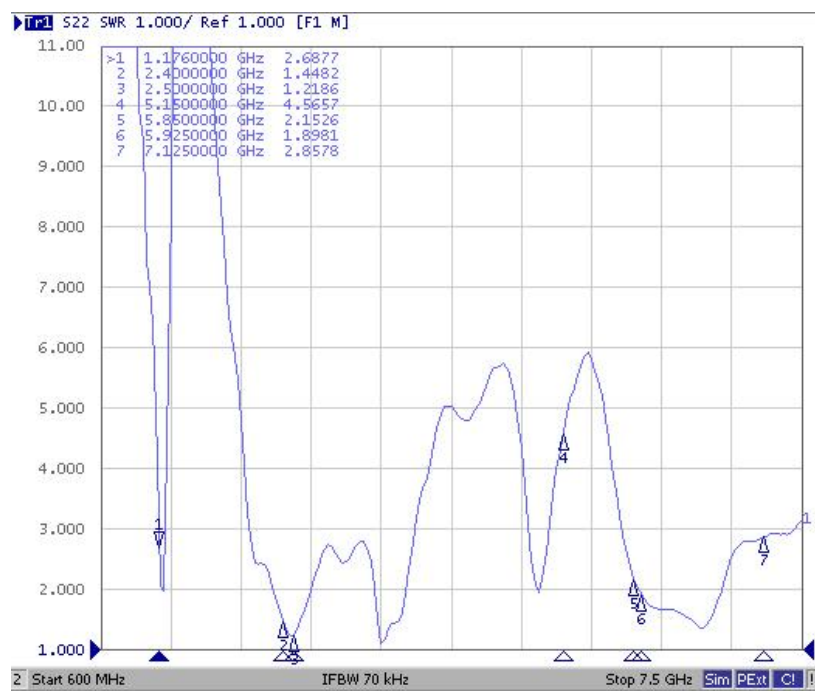
Antenna Type: PIFA

model: DT66

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

SWR: $\leq 6.0: 1$

- S11

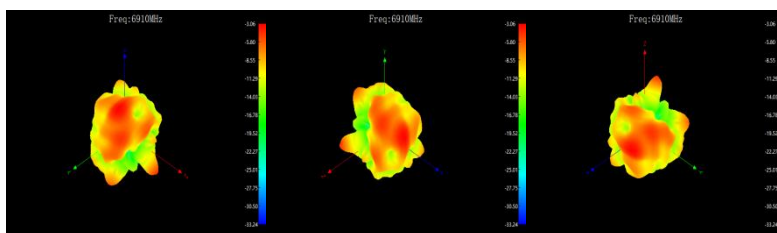
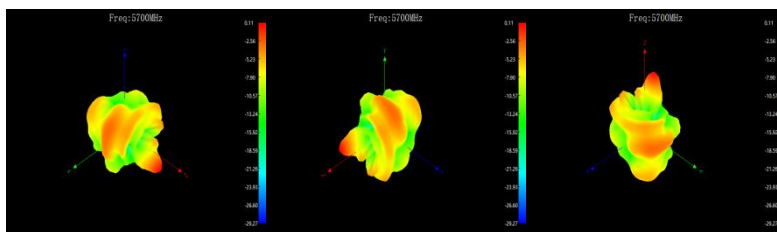
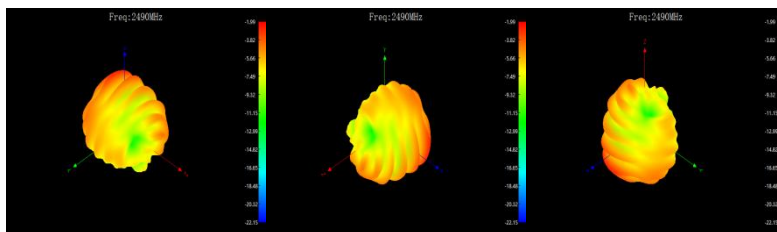
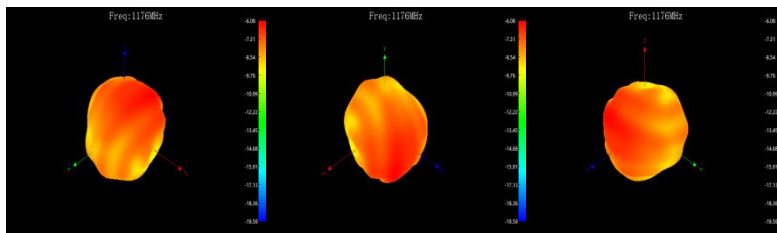
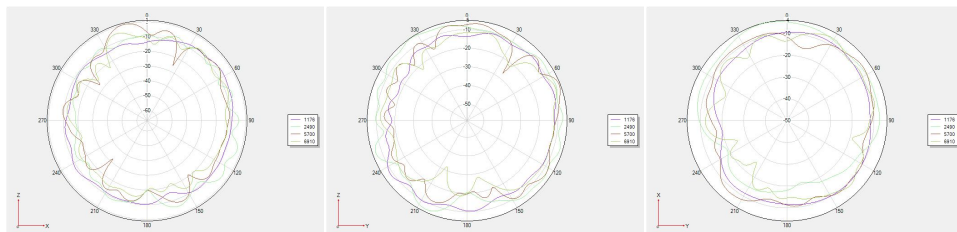


● Efficiency and gain

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



● Structure size

