

Antenna Specification

Main Antenna

- Technical parameters

WWAN: 2G/3G/4G

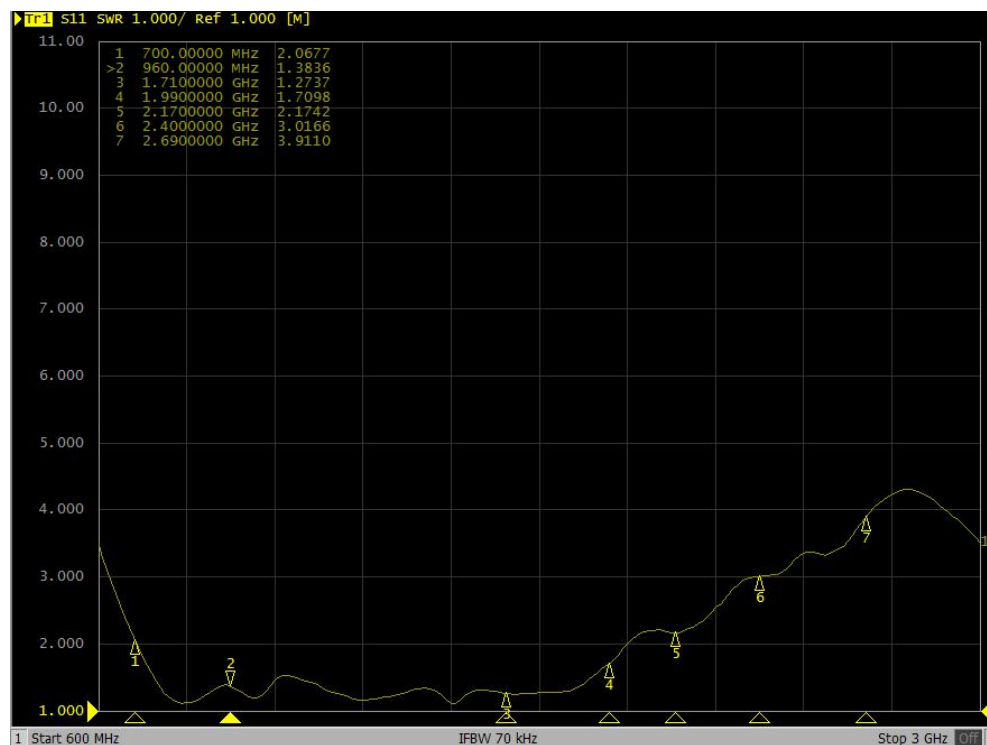
Antenna company: Shenzhen bogesi communication Technology Co.,
Ltd

Antenna form: PIFA

Frequency: 700MHz~2690MHz

SWR: $\leq 4: 1$

- S11

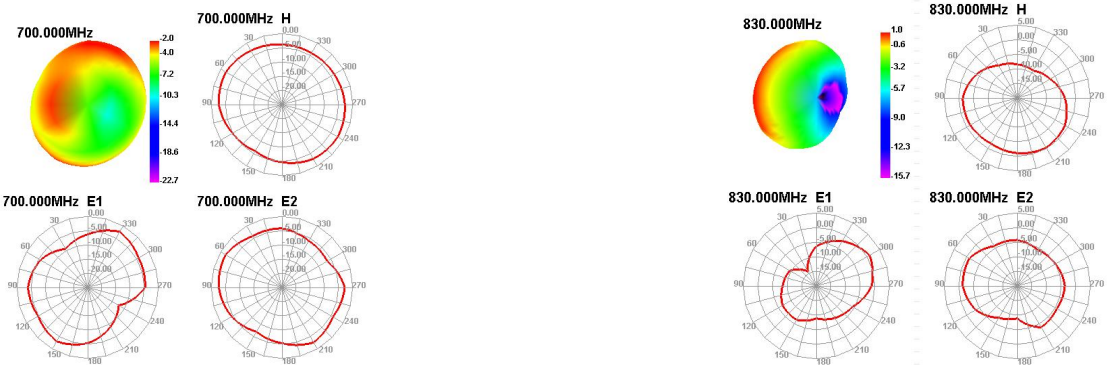


● Efficiency and gain:

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
700	33.19	-3.97	1700	40.59	0.45
710	35.44	-3.15	1720	41.22	0.64
720	37.37	-2.55	1740	43.39	0.83
730	39.23	-2.43	1760	46.15	0.74
740	42.04	-2.22	1780	46.8	0.81
750	43.25	-2.1	1800	48.17	0.64
760	44.68	-2.08	1820	47.92	0.49
770	46.12	-2.32	1840	46.2	0.39
780	47.73	-2.78	1860	46.9	0.7
790	47.71	-2.81	1880	43.92	0.35
800	46.87	-2	1900	41.66	0.69
810	44.55	-1.75	1920	43.29	0.44
820	43.79	-2.06	1940	40.68	1.5
830	41.4	-2.03	1960	42.99	0.43
840	40.45	-1.5	1980	42.4	0.79
850	38.28	-1.56	2000	43.78	0.4
860	36.25	-2.21	2020	43.89	0.36
870	35.72	-2.86	2040	47.25	1.07
880	35.89	-2.13	2060	45.58	0.7
890	34.4	-2.29	2080	41.75	0.57
900	33.24	-2.56	2100	41.6	0.23
910	32.98	-2.29	2120	40.62	0.17
920	31.95	-1.74	2140	43.56	0.35
930	30.64	-2.16	2160	44.05	0.56
940	30.07	-2.8	2180	45.3	0.23
950	29.71	-2.89	2300	54.53	1.18
960	28.18	-2.19	2320	56.38	1.48
			2340	51.27	1.28
			2360	54.9	1.86
			2380	56.07	1.81

2400	54.27	1.41
2420	56.46	1.93
2440	57.72	2.07
2460	53.91	1.44
2480	55.82	1.71
2500	55.02	1.61
2520	54.79	1.64
2540	53.03	1.5
2560	52.11	1.6
2580	56.87	1.18
2600	55.59	1.21
2620	55.48	1.17
2640	54.27	1.41
2660	58.46	2
2680	56.75	1.73
2700	54.54	1.48

Radiation pattern



2、DIV Antenna

- Technical parameters

WWAN: 2G/3G/4G

Antenna company:

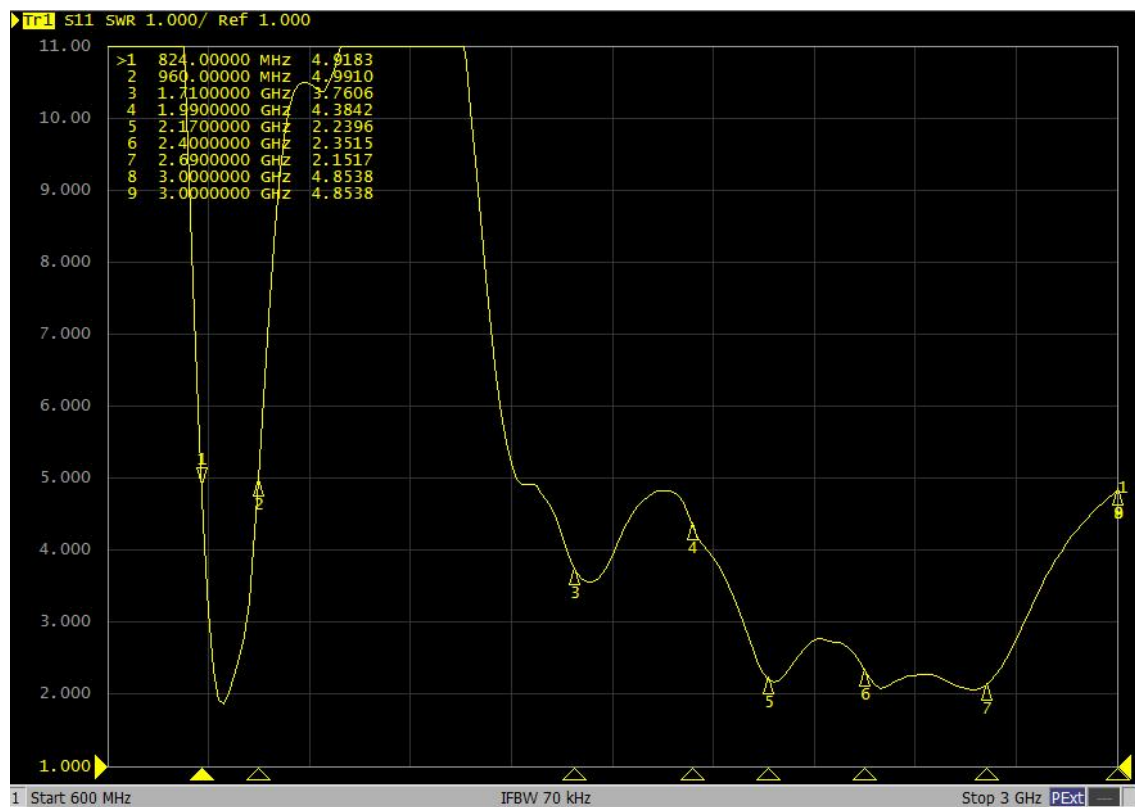
Shenzhen bogesi communication Technology Co., Ltd

Antenna form: PIFA

Frequency: 1710MHz~2690MHz

SWR: $\leq 15:1$

- S11

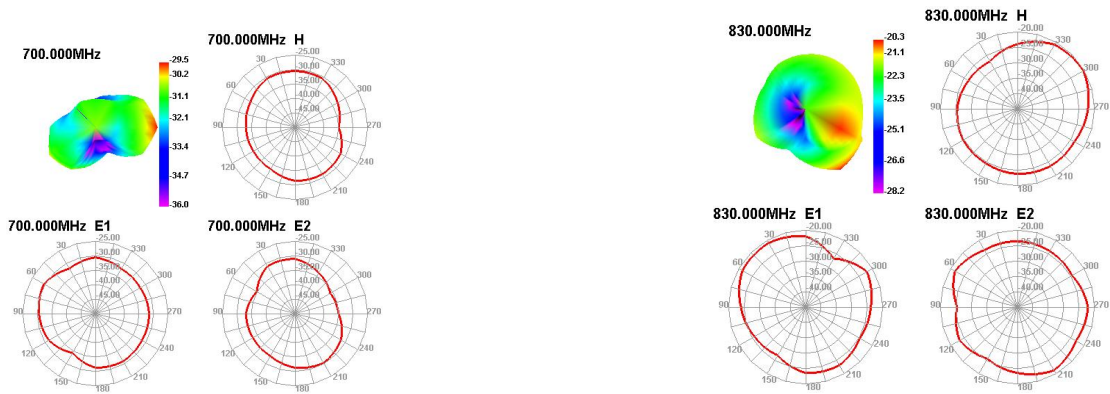


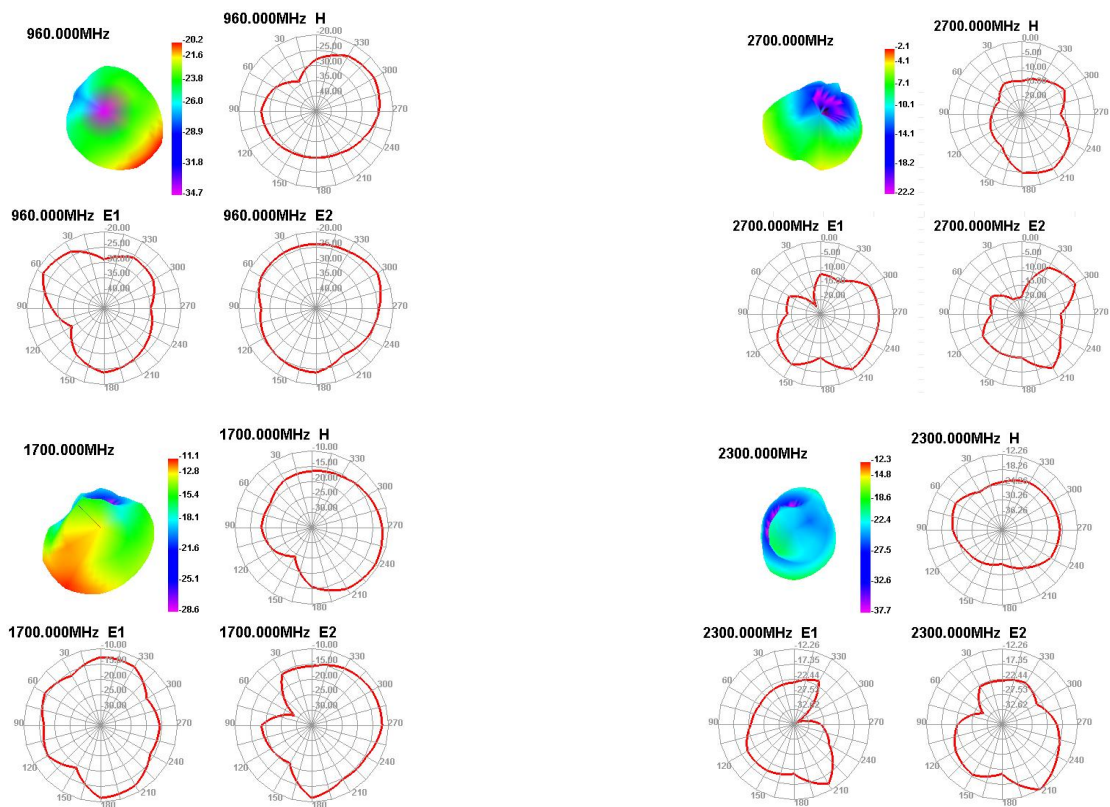
● Efficiency and gain

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
700	0.06	-10.78	1700	7.94	-9.06
710	0.08	-10.01	1720	8.55	-8.1
720	0.1	-10.06	1740	9.08	-7.5
730	0.12	-10.09	1760	9.38	-7.13
740	0.11	-10.38	1780	10.19	-6.16
750	0.31	-10.85	1800	10.93	-6.15
760	0.42	-11.07	1820	12.08	-6.21
770	0.53	-10.66	1840	15.21	-4.57
780	0.77	-10.63	1860	16.29	-4.28
790	0.91	-9.92	1880	18.94	-3.59
800	1.27	-8.51	1900	21.62	-3.33
810	1.43	-7.35	1920	21.88	-3.22
820	1.52	-6.2	1940	24.7	-2.49
830	1.67	-5.12	1960	24.79	-2.17
840	1.84	-3.68	1980	28.45	-1.3
850	2.13	-2.72	2000	30.44	-1.26
860	3.51	-1.96	2020	30.73	-1.18
870	3.84	-1.72	2040	30.38	-1.02
880	3.03	-2.27	2060	25.52	-1.93
890	2.41	-2.52	2080	24.07	-2.29
900	1.11	-3.64	2100	20.32	-3.02
910	0.67	-5.18	2120	18.62	-3.27
920	0.62	-7.05	2140	18.57	-3
930	0.53	-8.31	2160	16.71	-3.18
940	0.44	-9.2	2180	15.71	-3.22
950	0.35	-9.52	2300	10.94	-5.26
960	0.28	-10.48	2320	10.76	-6.23
10			2340	10.77	-6.37
			2360	10.91	-6.47
			2380	10.28	-6.61

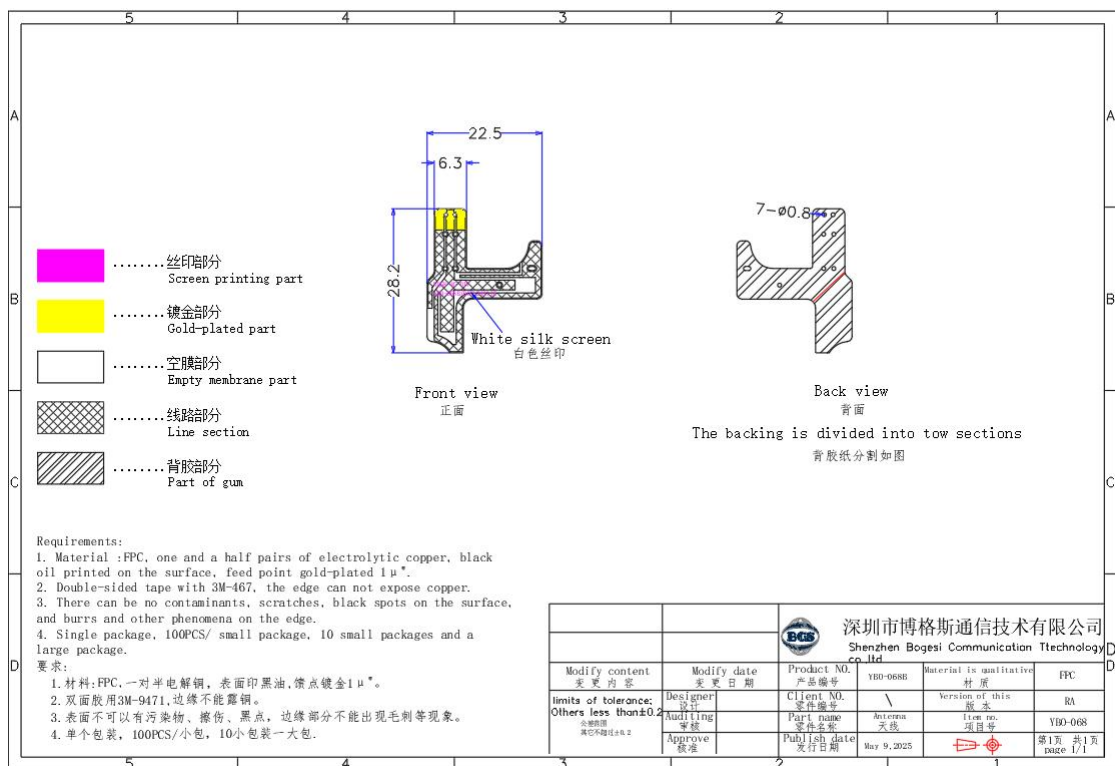
2400	11.56	-6.91
2420	10.18	-6.62
2440	12.2	-5.7
2460	12.65	-5.09
2480	11.74	-6.94
2500	10.74	-6.05
2520	11.13	-5.72
2540	15.82	-4.75
2560	18.91	-4.96
2580	18.72	-4.68
2600	22.97	-3.5
2620	23.08	-3.47
2640	24.06	-3.27
2660	27.5	-2.4
2680	28.59	-2.33
2700	29.53	-2.08

● Radiation pattern





● Structure size



3、GPS&WIFI&BT Antenna

- Technical parameters

WLAN: GPS&WIFI&BT

Antenna company:

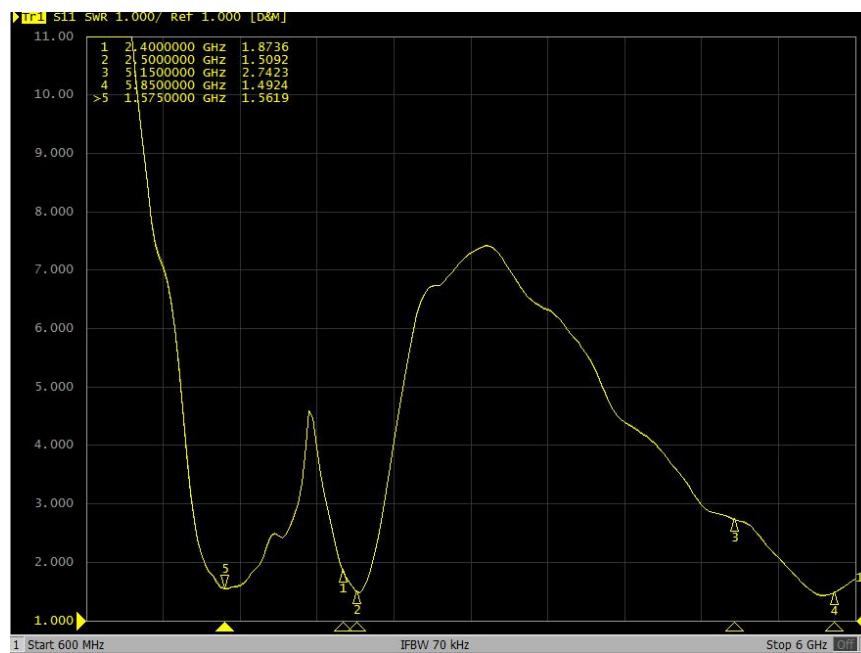
Shenzhen bogesi communication Technology Co., Ltd

Antenna form: PIFA

Frequency: 1575MHz, 2400MHz~2500MHz, 5150MHz~5850MHz

SWR: $\leq 3: 1$

- S11



● Efficiency and gain

Freq (MHz)	Effi (%)	Freq (MHz)
1560	31.64	2
1561	31.31	1.98
1562	31.19	2.01
1563	31.32	2.06
1564	31.67	2.13
1565	32.12	2.02
1566	32.51	1.91
1567	32.7	1.9
1568	32.62	2.06
1569	32.19	1.89
1570	31.56	1.98
1571	30.82	1.87
1572	30.13	1.93
1573	29.63	2.06
1574	29.34	2.05
1575	29.33	2.05
1576	29.43	2.08
1577	29.63	2.11
1578	29.69	2.11
1579	29.55	2.09
1580	29.09	2.02

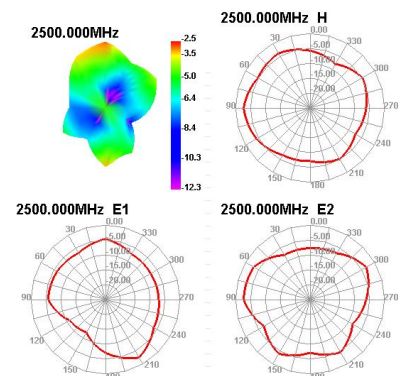
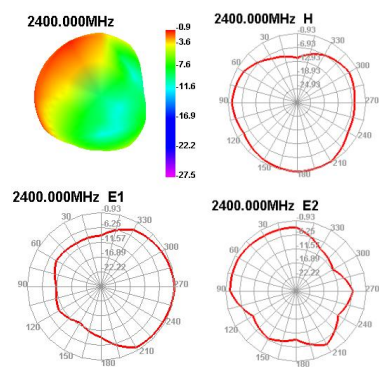
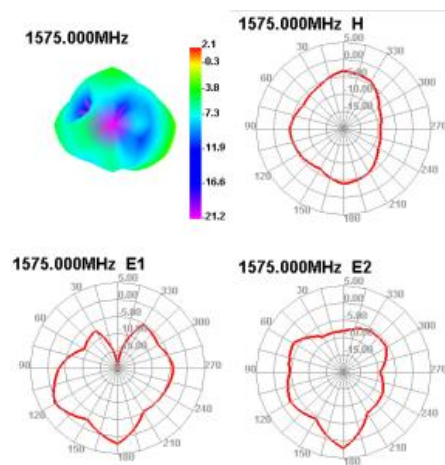
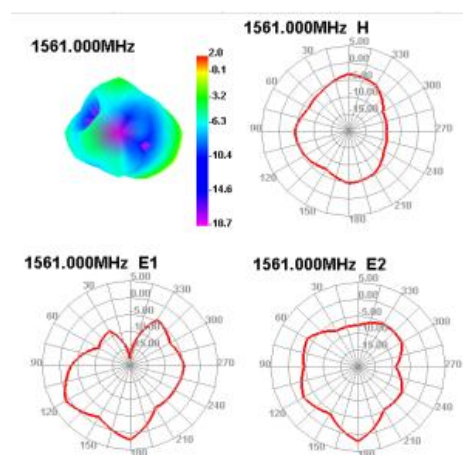
2400	36.58	1.89
2410	35.88	1.98
2420	35.49	1.87
2430	34.13	1.93
2440	34.11	2.06
2450	33.1	2.05
2460	33.31	2.05
2470	32	2.08

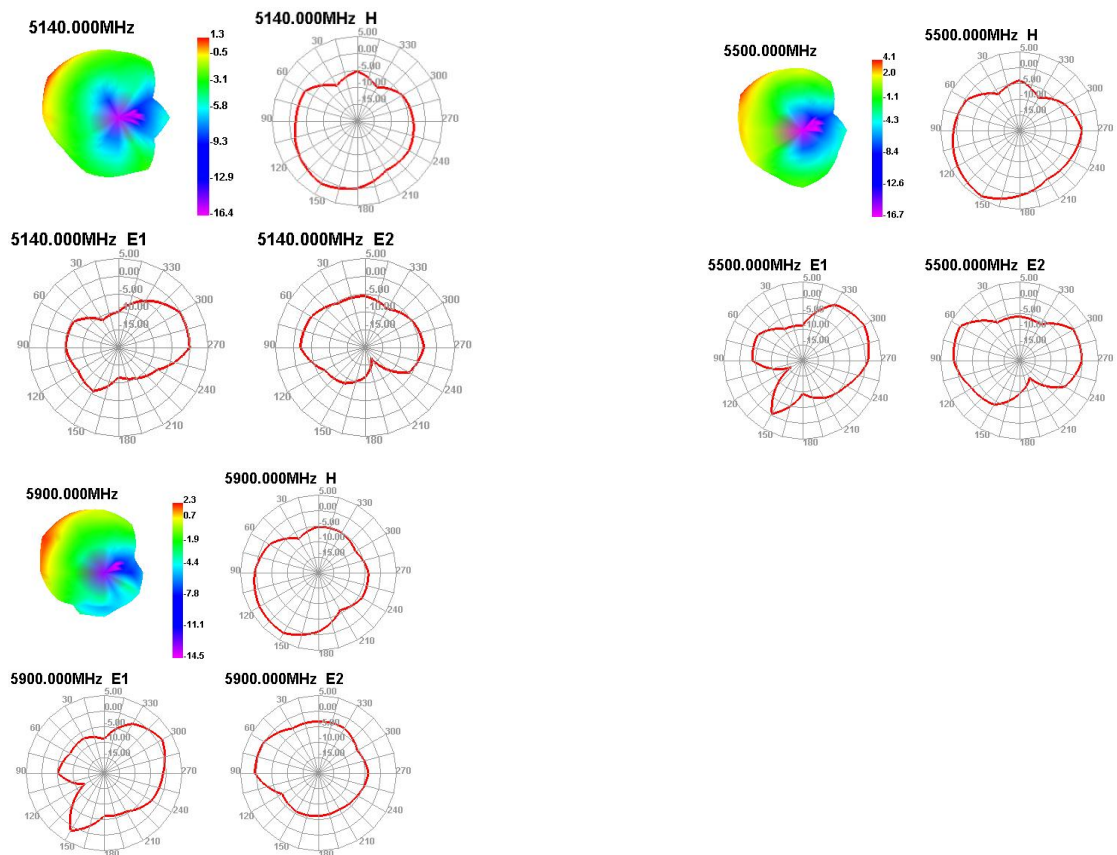
Freq (MHz)	Effi (%)	Freq (MHz)
5140	40.42	1.28
5160	40.58	1.67
5180	41.82	1.94
5200	41.82	1.97
5220	43.65	2.34
5240	41.81	2.02
5260	46.58	2.77
5280	47.11	2.78
5300	51.25	3.18
5320	56.49	3.75
5340	59.25	3.01
5360	52.72	2.25
5380	55.37	2.4
5400	54.43	2.43
5420	56.79	2.61
5440	54.42	2.36
5460	54.7	2.23
5480	56.47	2.27
5500	59.23	3.05
5520	55.21	2.81
5540	54.46	2.5
5560	52.5	2.08
5580	50.75	1.83
5600	52.64	1.82
5620	52.37	1.61
5640	53.07	1.58
5660	54.73	1.82
5680	51.59	1.45
5700	50.9	1.37
5720	50.68	1.64

2480	30.6	1.11
2490	29.65	1.11
2500	28.4	1.5

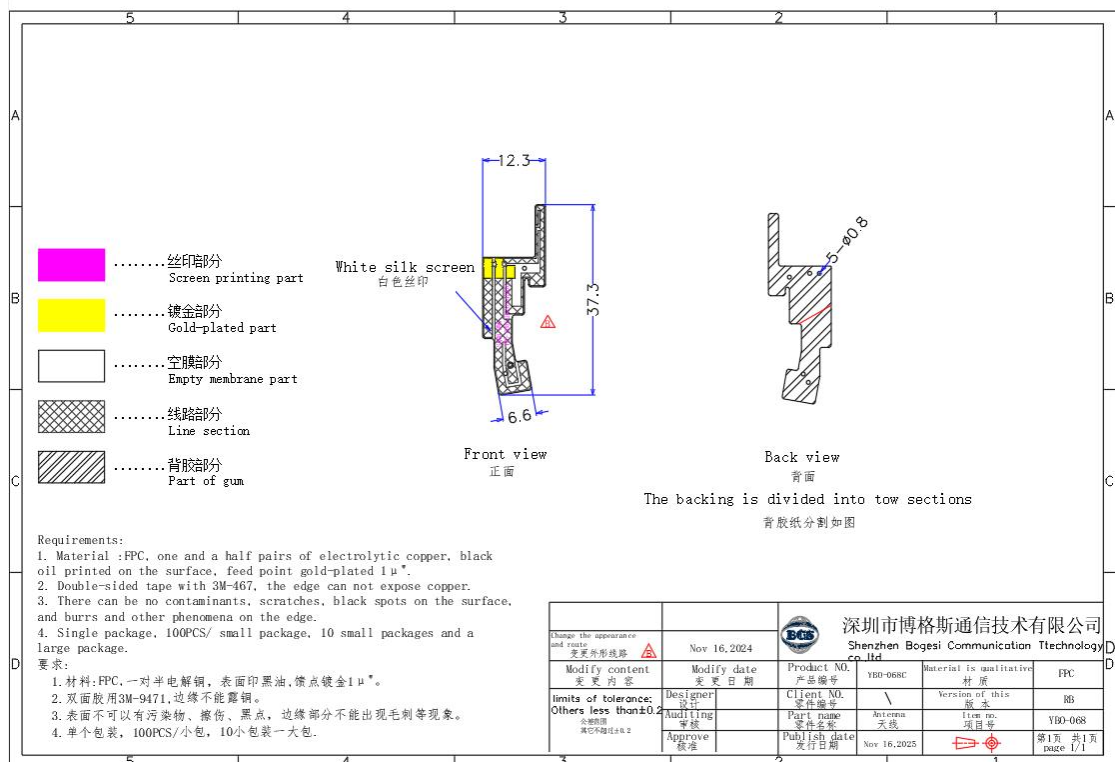
5740	58.51	1.73
5760	56.63	1.6
5780	57.56	1.69
5800	54.16	1.57
5820	53	1.66
5840	53.06	1.47
5860	50.4	1.09
5880	50.9	1.23
5900	51.87	1.34

- Radiation pattern





● Structure size



Name Of Supplier: Suzhou Splendid Technology Co.,ltd.

N F C 产 品 承 认 书

NFC Specification for Approval

客户名称	深圳市优博讯科技股份有限公司
Messrs:	Shenzhen Urovo Technology Co., Ltd
产品名称	
Description:	SQ68_NFC Antenna
产品型号	
Part NO:	
产品品牌	斯普兰蒂
Manufacturer:	
物料编号	3.01.59.70039
Materiel NO:	
承认号码	
Approved NO:	
包装方式	400pcs/包
Packing:	

Supplier's Signature	Customer's signature
Note: This acknowledgement is in duplicate. Please have the customer return one copy. Thank you!	

Supplier contact address: 江苏省苏州市吴江经济技术开发区庞金路688号综合保税区内
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Date: 2025-08-06



SPLendid
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Product size chart

