

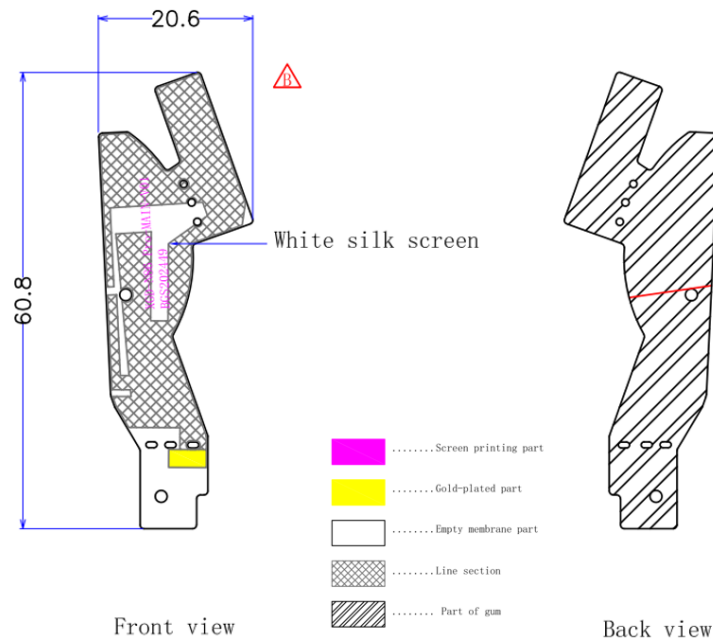
# 1. Main antenna

(a) Main antenna information

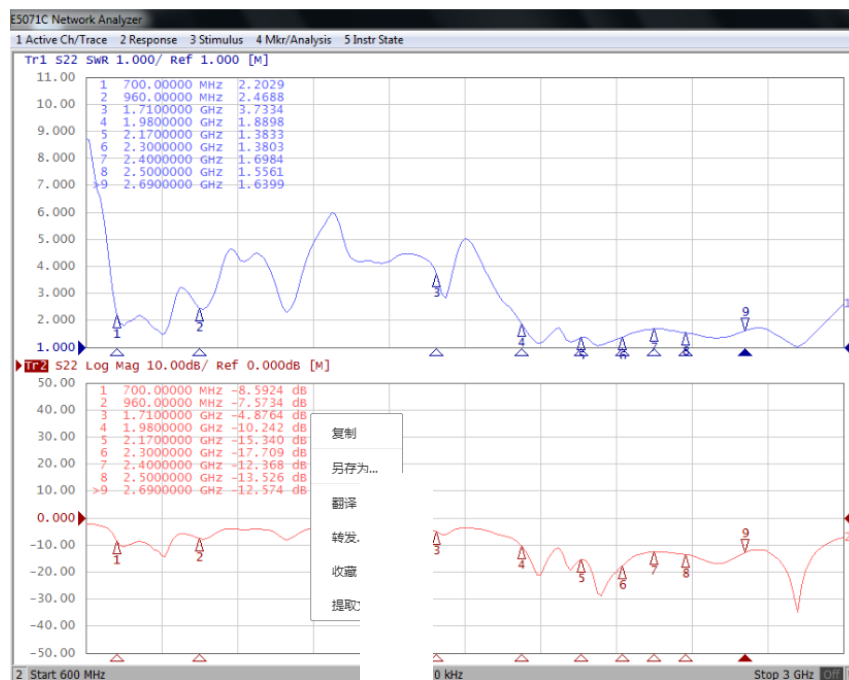
**Manufacturer:** Shenzhen Bogesi Communication Ttechnology co.,Ltd.

**Address:** Room 308, Building B, Sabenol Building, No.19, Kekezhong 1st Road, Nanshan District, Shenzhen, Guangdong, China.

**Antenna type:** FPC



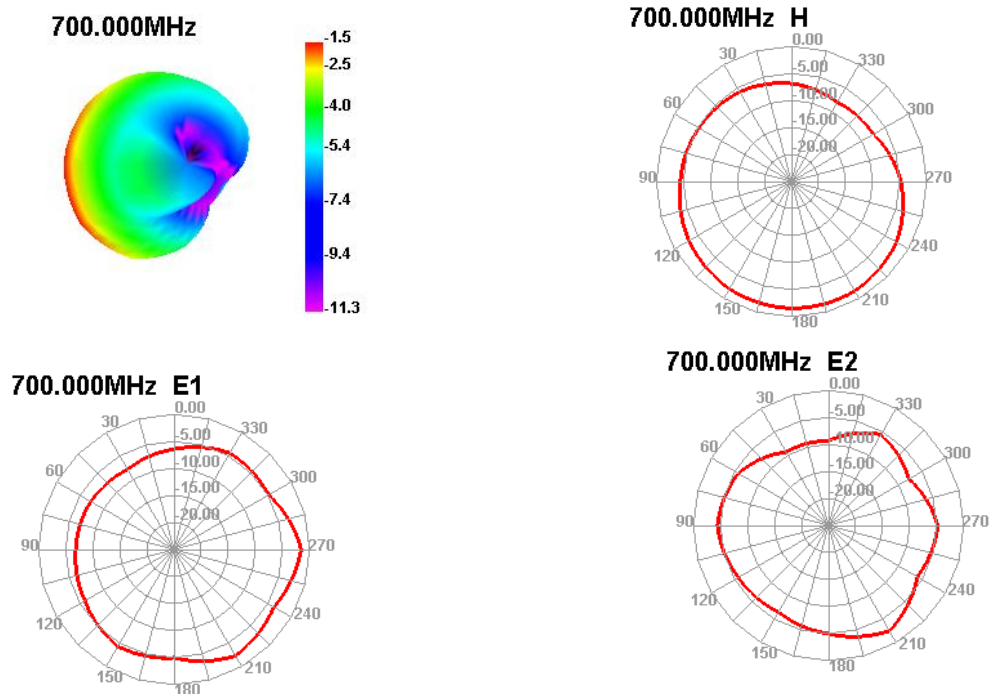
(b) VSWR



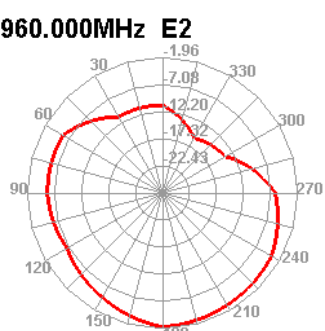
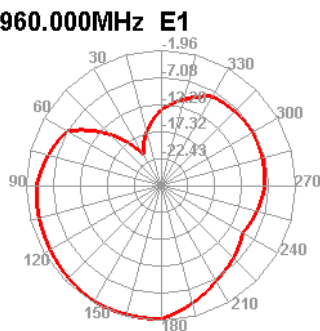
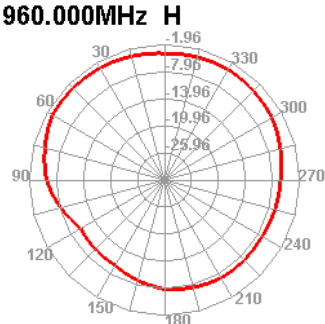
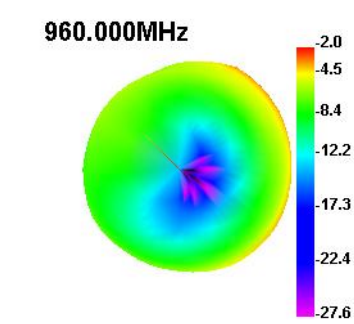
(c) antenna passive data

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
700	33.58	-1.54	1700	47.57	-0.94	2240	63.93	1.66
710	37.75	-1.62	1720	52.11	-0.58	2260	63.01	2.03
720	39.7	-2.08	1740	50.8	0.07	2280	62.97	1.96
730	40.25	-2.23	1760	53.25	0.31	2300	59.4	1.78
740	45.44	-1.64	1780	53.04	-0.08	2320	62.36	1.9
750	46.03	-1.27	1800	54.05	0.34	2340	65.07	2.1
760	46.08	-0.85	1820	54.8	0.97	2360	65.94	2.39
770	46.71	-0.52	1840	51.74	1.39	2380	65.65	2.41
780	42.2	-0.81	1860	52.53	1.35	2400	66.09	1.99
790	41.05	-0.7	1880	54.76	1.31	2420	67.09	2.7
800	40.45	-0.57	1900	52.12	1.66	2440	70.66	2.99
810	39.27	-0.66	1920	50.33	1.94	2460	65.08	2.46
820	38.73	-0.88	1940	50.45	2.13	2480	64.54	2.42
830	38.82	-1.16	1960	51.38	2.15	2500	66.1	2.04
840	40.8	-0.59	1980	51.16	1.96	2520	66.28	1.52
850	40.67	-0.49	2000	51.04	1.85	2540	63.28	1.4
860	39.36	-0.65	2020	52.17	1.9	2560	58.23	1.06
870	38.54	-0.68	2040	50.83	1.86	2580	58.43	1.48
880	37.85	-0.63	2060	50.32	1.57	2600	63.92	2.12
890	37.75	-0.54	2080	53.85	1.3	2620	55.64	1.75
900	37.14	-0.95	2100	57.34	1.62	2640	55.53	1.41
910	36.9	-1.38	2120	59.34	1.6	2660	56.6	1.85
920	35.73	-1.81	2140	58.28	1.39	2680	57.41	1.3
930	33.88	-1.84	2160	58.5	1.08	2700	56.26	0.63
940	34.27	-1.92	2180	60.56	0.62			
950	33.9	-1.71	2200	60.42	0.26			
960	34.83	-1.96	2220	65.36	0.99			

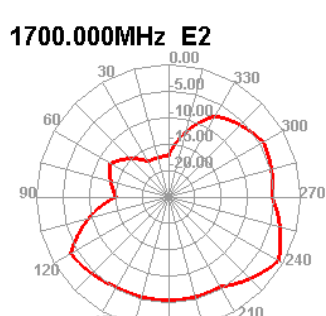
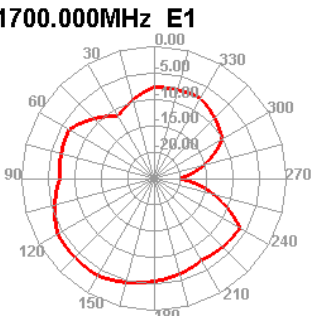
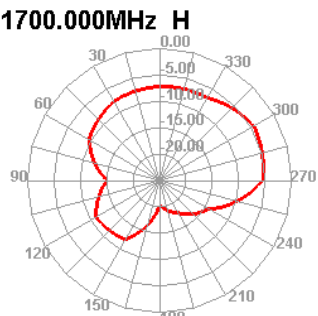
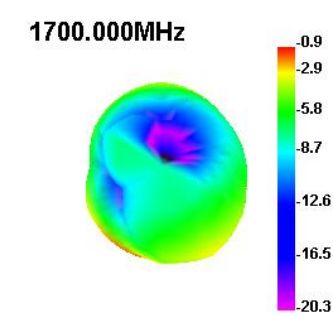
(d) Directional diagram  
at 700MHz



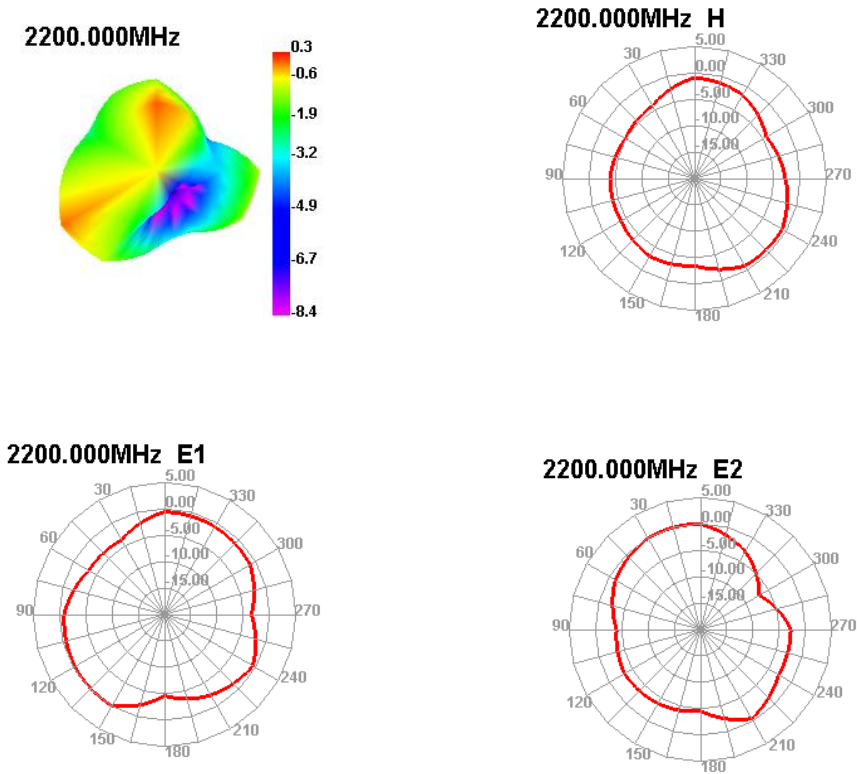
at 960MHz



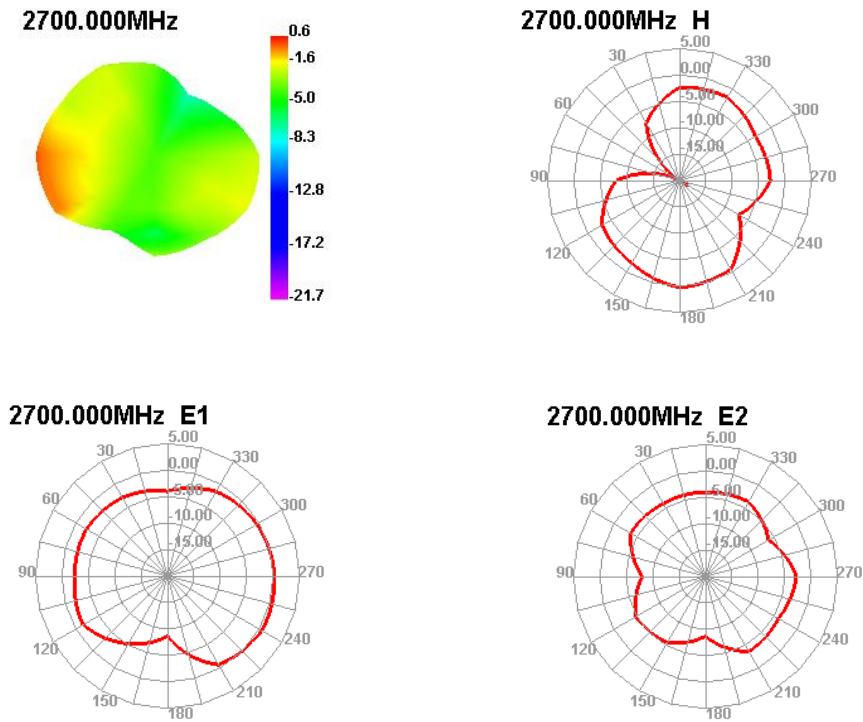
at 1700MHz



at 2200MHz



at 2700MHz



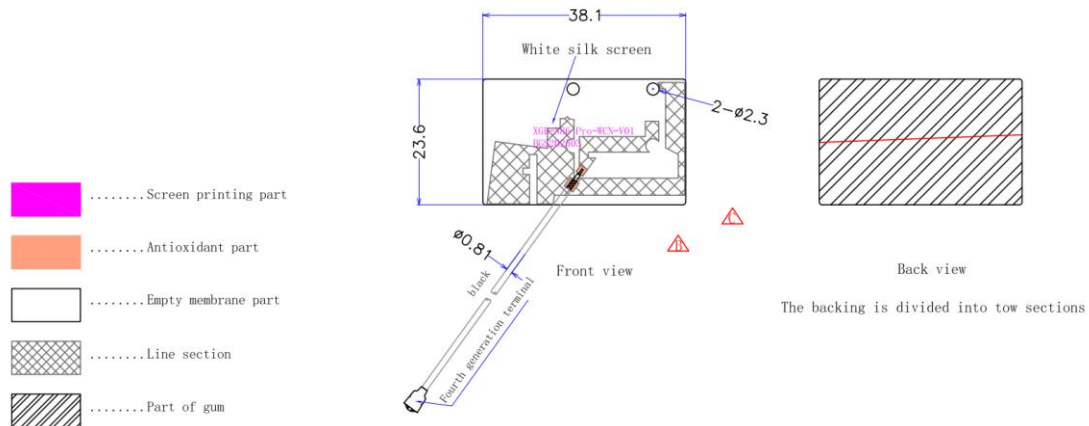
## 2. WIFI&BT&GPS antenna

(a) Main antenna information

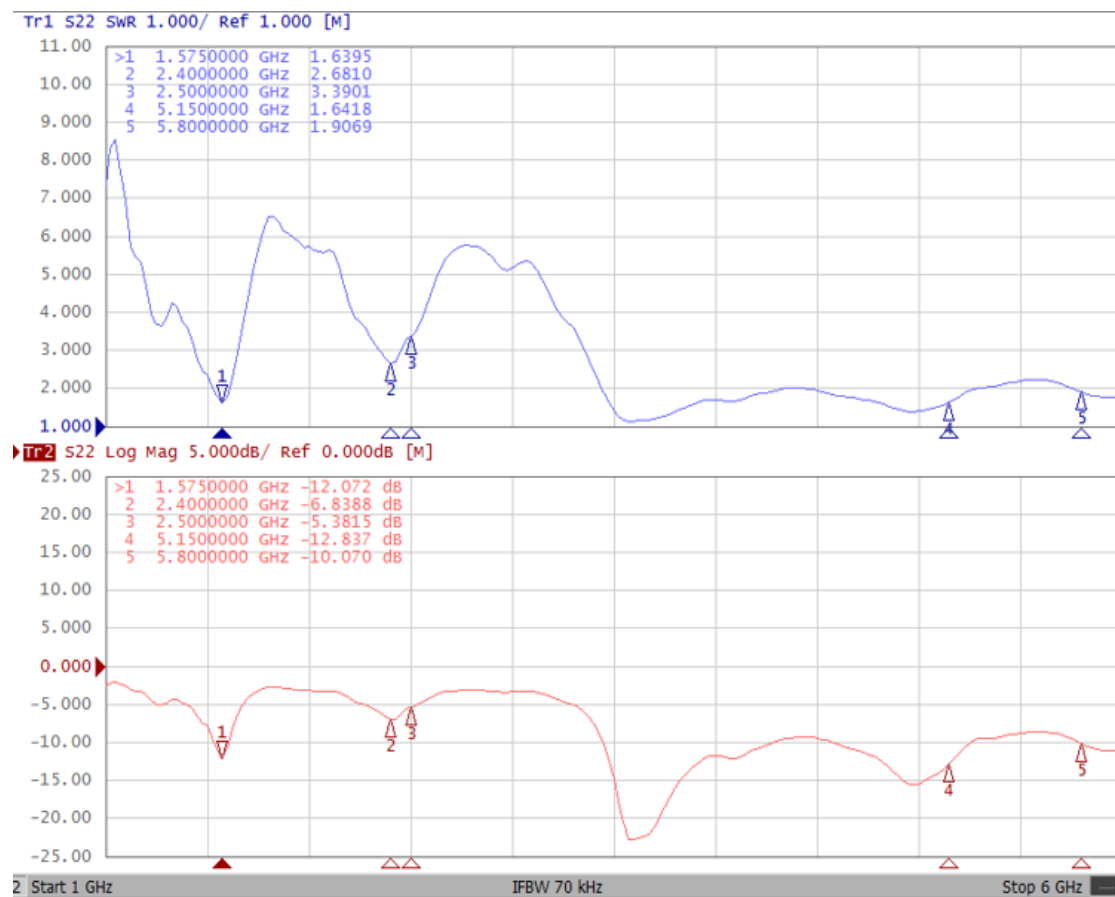
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**Antenna type:** FPC



(b) VSWR



(c)antenna passive data

Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
2400	57.15	1.31	5100	51.13	0.9	5560	56.37	2.54	1560	36.67	-4.48
2410	63.09	2.02	5120	50.51	1.17	5580	56.3	2.18	1561	36.89	-4.45
2420	63.91	2.32	5140	50.47	1.3	5600	59.49	2.17	1562	36.2	-4.41
2430	62.09	2.68	5160	47.87	0.98	5620	55.22	1.43	1563	36.43	-4.39
2440	63.25	2.8	5180	49.67	1.19	5640	58.35	2.07	1564	36.7	-4.35
2450	62.8	2.72	5200	52.12	1.37	5660	60.67	2.54	1565	36.94	-4.33
2460	61.05	2.5	5220	50.87	1.01	5680	53.81	2.12	1570	37.78	-4.23
2470	60.23	2.37	5240	51.25	0.71	5700	54.78	2.37	1571	37.76	-4.23
2480	61.84	2.42	5260	51.92	0.74	5720	53.03	2.17	1572	37.74	-4.23
2490	61.56	2.25	5280	51.29	0.92	5740	51.96	1.97	1573	37.77	-4.23
2500	62.89	1.78	5300	53.44	1.31	5760	58.07	2.67	1574	37.79	-4.23
			5320	56.22	1.55	5780	58.92	3.09	1575	39.85	-4.22
			5340	57.51	1.62	5800	60.69	3.12	1576	39.93	-4.21
			5360	60.03	1.73	5820	65.24	3.37	1577	39.08	-4.19
			5380	59.94	1.46	5840	62.22	3.12	1578	40.25	-4.17
			5400	57.15	1.08	5860	56.87	2.59	1579	40.31	-4.17
			5420	58.39	1.39				1580	41.35	-4.16
			5440	52.27	1.13				1600	41.67	-3.22
			5460	53.07	1.67				1601	42.06	-3.18
			5480	56.68	2.38				1602	43.3	-3.16
			5500	54.48	2.32				1603	44.42	-3.15
			5520	55.06	2.52				1604	44.36	-3.16
			5540	56.27	2.68				1605	45.23	-3.17

(d) Directional diagram

