



耀登电通科技（昆山）有限公司

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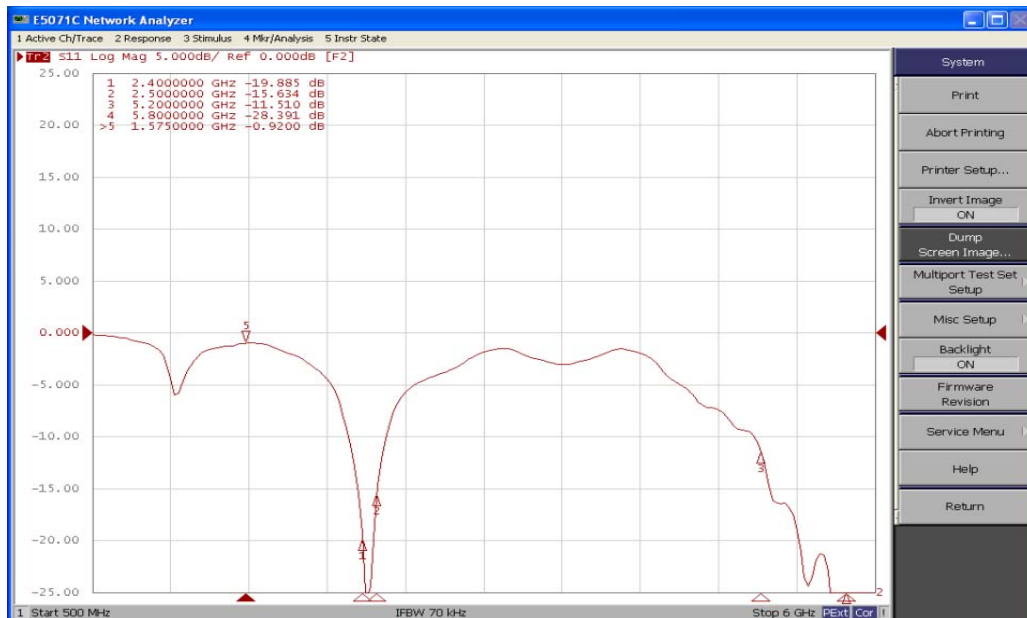
AUX02442（10 寸 PAD）—WIFI&BT&GPS 天线规格书/Antenna specification

目录/Contents

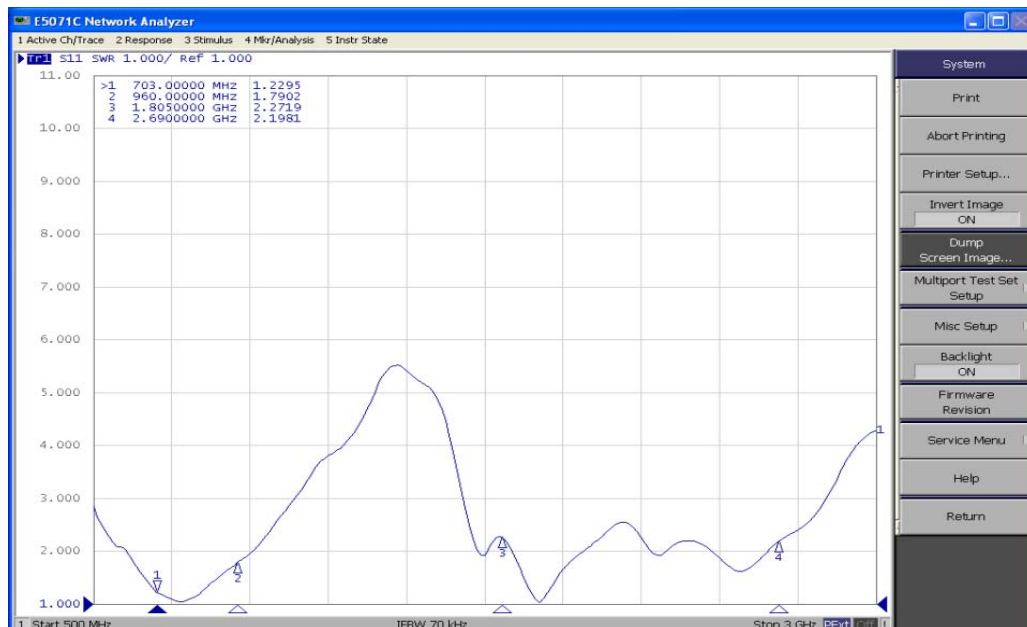
1. 天线驻波 / Antenna standing wave.....	3
2. 天线无源数据 / Antenna passive data.....	4
3. 天线有源数据 / Antenna active data.....	6
4. 天线位置图 / Antenna location diagram.....	6
5. 图纸 / Drawing.....	7

1. 天线驻波/Antenna standing wave

Wi-Fi/BT/GNSS



WWAN



2. 天线无源数据/Antenna passive data

Wi-Fi/BT/GNSS

Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
1500	-10.67	8.57	-5.82
1505	-10.09	9.79	-5.59
1510	-10.8	8.32	-6.26
1515	-10.83	8.26	-6.08
1520	-10.07	9.84	-5.84
1525	-10.97	8	-6.14
1530	-10.89	8.15	-6.11
1535	-10.59	8.73	-6.52
1540	-10.95	8.04	-6.5
1545	-10.31	9.31	-5.97
1550	-10.89	8.15	-6.73
1555	-10.94	8.05	-6.49
1560	-10.06	9.86	-6.12
1565	-10.78	8.36	-6.54
1570	-10.94	8.05	-6.52
1575	-10.56	8.79	-7.07
1580	-10.69	8.53	-7.07
1585	-10.37	9.18	-6.12
1590	-10.77	8.38	-7.32
1595	-10.83	8.26	-6.57
1600	-10.36	9.2	-6.58
2400	-3.54	44.26	0.59
2405	-3.5	44.67	0.47
2410	-3.39	45.81	0.55
2415	-3.14	48.53	0.99
2420	-3.16	48.31	0.9
2425	-3.37	46.03	1.02
2430	-3.01	50	1.29
2435	-2.85	51.88	1.27
2440	-3.05	49.55	1.66
2445	-2.9	51.29	1.51
2450	-2.9	51.29	1.36
2455	-2.77	52.84	1.8
2460	-2.61	54.83	1.74

Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
2465	-2.78	52.72	1.89
2470	-2.3	58.88	2.31
2475	-2.08	61.94	2.25
2480	-2.54	55.72	2.25
2485	-2.53	55.85	2.3
2490	-2.43	57.15	1.83
2495	-2.37	57.94	2.18
2500	-2.3	58.88	2.4
5200	-2.92	51.05	5.11
5210	-3.73	42.36	4.83
5220	-3.73	42.36	4.44
5230	-3.22	47.64	5.19
5240	-3.08	49.2	5.11
5250	-3.1	48.98	4.77
5260	-2.79	52.6	4.83
5270	-2.86	51.76	5.04
5280	-2.93	50.93	4.88
5290	-2.92	51.05	5.15
5300	-3.24	47.42	5.19
5310	-3.16	48.31	5.47
5320	-3.53	44.36	5.04
5330	-3.19	47.97	5.69
5340	-3.38	45.92	5.17
5350	-3.6	43.65	5.22
5360	-3.77	41.98	5.42
5370	-3.55	44.16	6
5380	-3.66	43.05	5.42
5390	-4.08	39.08	5.18
5400	-3.74	42.27	5.53
5410	-3.98	39.99	5.42
5420	-4.31	37.07	4.73
5430	-4.16	38.37	5.03
5440	-3.89	40.83	5.41
5450	-4.4	36.31	5.19

Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
5460	-4.2	38.02	5.13
5470	-4.17	38.28	5.42
5480	-4.01	39.72	5.55
5490	-4.69	33.96	5.02
5500	-4.15	38.46	5.23
5510	-3.26	47.21	5.78
5520	-3.61	43.55	5.23
5530	-3.48	44.87	5.5
5540	-3.22	47.64	5.54
5550	-3.21	47.75	5.82
5560	-3.68	42.85	5.08
5570	-3.4	45.71	5.6
5580	-3.02	49.89	5.74
5590	-3.47	44.98	5.54
5600	-2.03	62.66	5.26
5610	-1.32	73.79	5.66
5620	-1.63	68.71	5.21
5630	-2.21	60.12	4.9
5640	-1.96	63.68	4.92
5650	-1.88	64.86	5.12
5660	-2.03	62.66	5.04
5670	-2.17	60.67	5.1
5680	-1.78	66.37	5.31
5690	-2.54	55.72	4.87
5700	-2.55	55.59	4.84
5710	-2.77	52.84	5.19
5720	-2.36	58.08	5.35
5730	-2.63	54.58	5.51
5740	-2.44	57.02	5.55
5750	-2.71	53.58	6.08
5760	-3.54	44.26	5.4
5770	-3.67	42.95	5.44
5780	-3.3	46.77	5.61
5790	-3.17	48.19	5.83
5800	-3.43	45.39	5.34

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Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
700	-8.84	13.06	-6.98
705	-9.16	12.13	-8.31
710	-9.03	12.5	-7.47
715	-8.46	14.26	-6.92
720	-9.42	11.43	-8.42
725	-9.03	12.5	-7.38
730	-8.74	13.37	-7.22
735	-9.59	10.99	-8.09
740	-9.21	11.99	-7.17
745	-9.63	10.89	-7.76
750	-9.42	11.43	-6.94
755	-9.28	11.8	-6.54
760	-9.89	10.26	-7.12
765	-10.41	9.1	-6.18
770	-10.47	8.97	-6.19
775	-11.02	7.91	-6.5
780	-10.61	8.69	-6.16
785	-10.72	8.47	-6.71
790	-10.93	8.07	-6.36
795	-10.45	9.02	-6.42
800	-11.17	7.64	-7.37
805	-11.16	7.66	-6.32
810	-10.65	8.61	-6.59
815	-11.89	6.47	-7.81
820	-10.9	8.13	-6.88
825	-10.64	8.63	-7.68
830	-11.29	7.43	-7.2
835	-10.3	9.33	-7.01
840	-10.97	8	-8.18
845	-11.19	7.6	-6.06
850	-10.38	9.16	-6.12
855	-11.57	6.97	-6.73
860	-9.4	11.48	-5.58
865	-8.03	15.74	-5.84
870	-7.5	17.78	-5
875	-6.45	22.65	-4.18
880	-7.29	18.66	-5.13
885	-7.66	17.14	-3.34

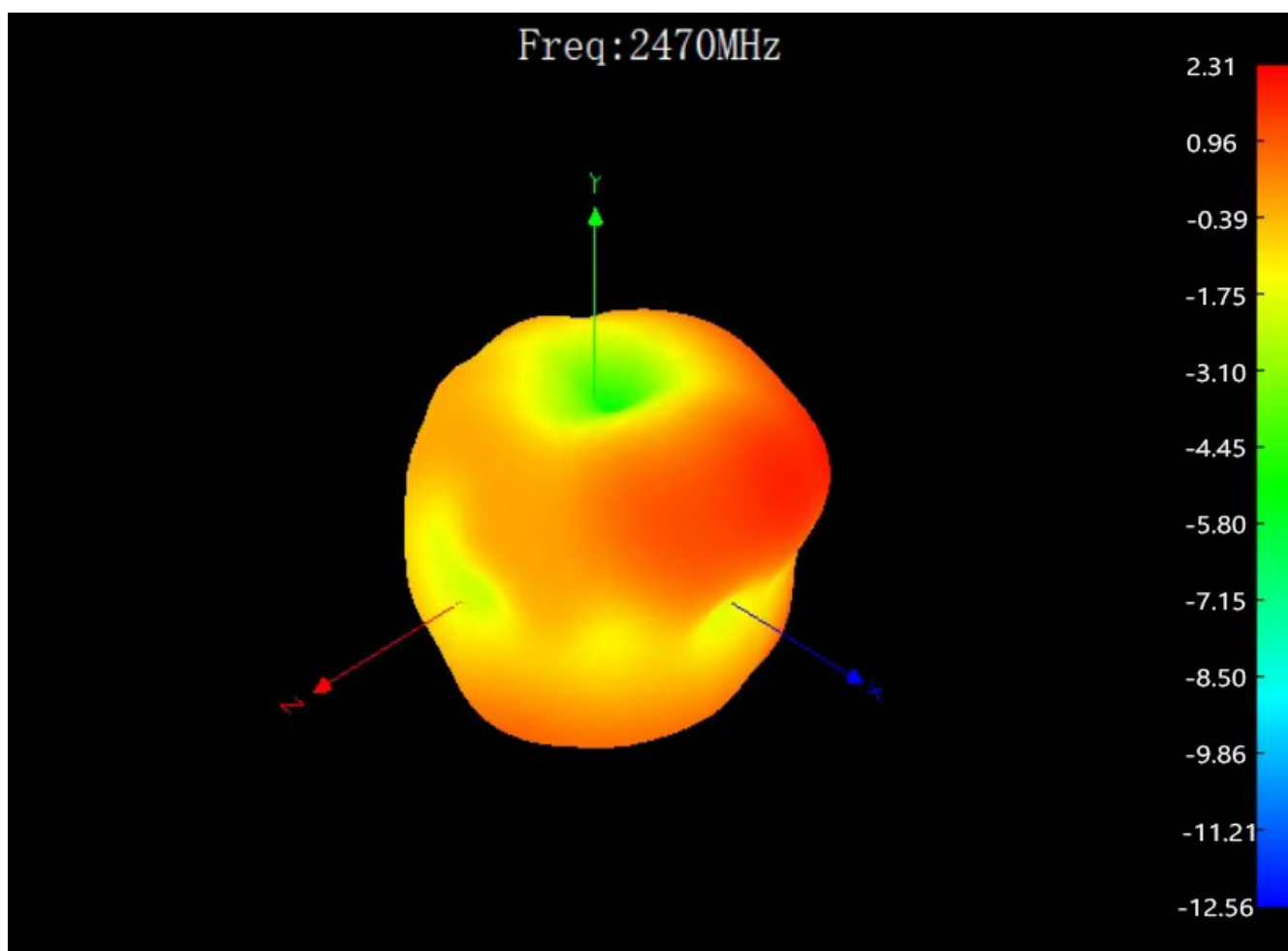
Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
890	-6.93	20.28	-2.59
895	-8.49	14.16	-3.39
900	-7.47	17.91	-1.55
905	-7.68	17.06	-1.68
910	-7.87	16.33	-1.68
915	-7.64	17.22	-0.91
920	-9.01	12.56	-2.75
925	-8.43	14.35	-2.19
930	-9.78	10.52	-3.25
935	-10.96	8.02	-5.23
940	-10.05	9.89	-5.01
945	-10.32	9.29	-5.95
950	-9.97	10.07	-5.65
955	-9.45	11.35	-5.71
960	-9.46	11.32	-5.84
1700	-4.2	38.02	0.83
1710	-3.16	48.31	0.06
1720	-3.66	43.05	0.54
1730	-3.93	40.46	0.12
1740	-3.92	40.55	0.01
1750	-4.53	35.24	-0.8
1760	-3.98	39.99	-0.25
1770	-4.37	36.56	-0.62
1780	-4.26	37.5	-0.71
1790	-4.77	33.34	-1.16
1800	-4.91	32.28	-0.81
1810	-5.39	28.91	-1.07
1820	-5.33	29.31	-1.13
1830	-5.44	28.58	-1.2
1840	-5.23	29.99	-1.09
1850	-4.72	33.73	-1.38
1860	-5.57	27.73	-1.51
1870	-5.28	29.65	-1.73
1880	-5.18	30.34	-1.29
1890	-5.22	30.06	-1.61
1900	-4.76	33.42	-1.39
1910	-5.28	29.65	-1.59
1920	-5.01	31.55	-1.44

Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
1930	-5.23	29.99	-1.37
1940	-4.95	31.99	-0.93
1950	-5.37	29.04	-1.18
1960	-5.49	28.25	-1.23
1970	-5.4	28.84	-1.02
1980	-5.02	31.48	-0.67
1990	-5.24	29.92	-1.59
2000	-4.77	33.34	-2.03
2010	-4.92	32.21	-1.57
2020	-4.91	32.28	-1.49
2030	-5.39	28.91	-2.68
2040	-5.35	29.17	-2.48
2050	-5.29	29.58	-2.06
2060	-5.27	29.72	-2.21
2070	-5.41	28.77	-2.77
2080	-4.87	32.58	-1.83
2090	-5.07	31.12	-2.06
2100	-4.75	33.5	-1.58
2110	-4.86	32.66	-1.58
2120	-4.26	37.5	-0.88
2130	-4.46	35.81	-1.1
2140	-4.31	37.07	-0.92
2150	-4.44	35.97	-0.83
2160	-4.3	37.15	-0.71
2170	-4.37	36.56	-0.79
2180	-4.22	37.84	-0.39
2190	-4.28	37.33	-0.33
2200	-4.1	38.9	-0.03
2210	-4.07	39.17	-0.09
2220	-3.9	40.74	0.11
2230	-3.98	39.99	0.04
2240	-3.9	40.74	0.16
2250	-3.69	42.76	0.17
2260	-3.7	42.66	0.26
2270	-3.64	43.25	0.4
2280	-3.59	43.75	0.78
2290	-3.37	46.03	0.85
2300	-3.31	46.67	0.96
2310	-3.32	46.56	0.83

Frequenc y/Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
2320	-3.11	48.87	1.39
2330	-2.87	51.64	1.25
2340	-2.78	52.72	1.57
2350	-2.88	51.52	1.4
2360	-2.8	52.48	1.7
2370	-2.94	50.82	1.59
2380	-2.81	52.36	1.99
2390	-2.84	52	1.87
2400	-2.52	55.98	2.19
2410	-2.57	55.34	1.82
2420	-2.36	58.08	2.64
2430	-2.48	56.49	2.32
2440	-2.57	55.34	2.59
2450	-2.61	54.83	2.08
2460	-2.34	58.34	2.69
2470	-2.25	59.57	2.79
2480	-2.5	56.23	2.72
2490	-2.51	56.1	2.14
2500	-2.42	57.28	2.61
2510	-3.02	49.89	2.34
2520	-3.08	49.2	1.78
2530	-3.02	49.89	1.68
2540	-2.84	52	1.84
2550	-3.09	49.09	1.79
2560	-2.92	51.05	1.17
2570	-3.21	47.75	0.94
2580	-3.17	48.19	1.17
2590	-3.49	44.77	1.1
2600	-3.45	45.19	1.12
2610	-3.58	43.85	0.95
2620	-3.83	41.4	1.18
2630	-4.27	37.41	0.62
2640	-4.08	39.08	0.33
2650	-4.27	37.41	0.07
2660	-4.38	36.48	0.22
2670	-4.35	36.73	0.4
2680	-4.5	35.48	0.12
2690	-4.49	35.56	-0.14
2700	-4.63	34.43	-0.34

3. 天线有源数据/Antenna active data

信道	TRP	优化量	信道	TIS
2.4G_11b	1	13.72	1	-82.32
	6	13.81	6	-81.19
	11	13.24	11	-81.86
2.4G_11g	1	11.99	1	-69.1
	6	12.12	6	-68.16
	11	11.45	11	-68.53
2.4G_11n	1	11.96	1	-65.14
	6	12.06	6	-64.61
	11	11.47	11	-64.55
5G_11a	36	12.17	36	-72.29
	64	11.37	64	-72.35
5G_11an	36	11.78	36	-67.98
	64	10.93	64	-67.5

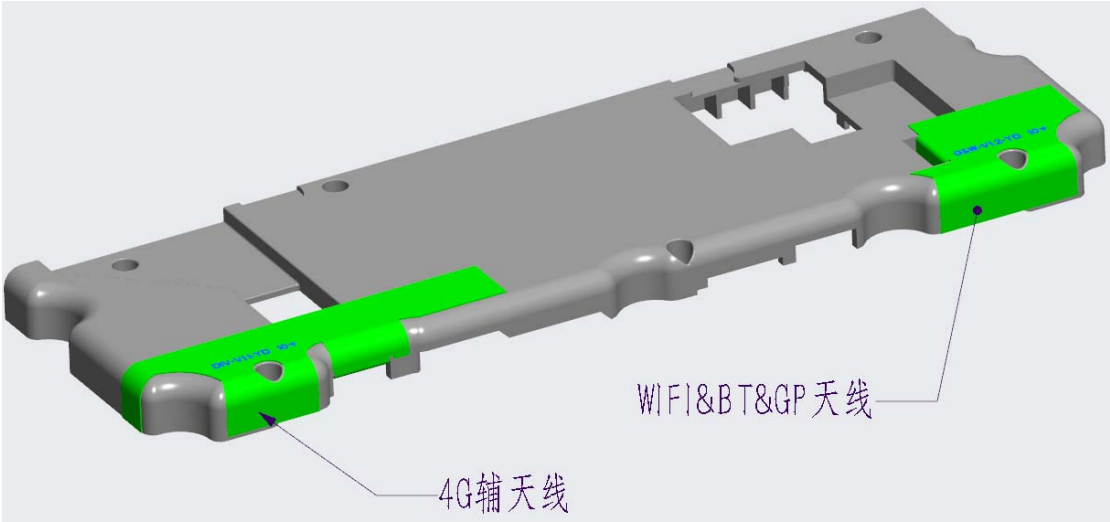


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频段	信道	TPR	信道	TIS
1	18050	17.22		
	18300	16.98		
	18550	16.18	550	-96.13
2	18650	18.08		
	18900	18.04		
	19150	17.77	1150	-94.61
3	19250	18.63		
	19575	18.47		
	19900	18.48	1900	-95.49
4	20000	18.56		
	20175	18.68		
	20350	18.26	2350	-94.57
5	20450	16.54		
	20525	16.86		
	20600	16.08	2600	-91.11
7	20850	15.97		
	21100	17		
	21350	16.91	3350	-94.13
8	21500	18.63		
	21625	18.01		
	21750	18.88	3750	-92.2
12	23035	16.65		
	23095	15.86		
	23155	16.36	5130	-88.14
13				
	23230	17.21	5230	-83.54

频段	信道	TPR	信道	TIS
14				
	23330	16.83	5330	-85.18
20	24200	16.64		
	24300	16.48		
	24400	17.11	6400	-88.03
28	27260	17.47		
	27435	16.74		
	27610	16.9	9610	-86.6
38	37850	16.88		
	38000	16.66		
	38150	16.03	38150	-91.94
39	38350	17.77		
	38450	17.86		
	38550	17.84	38550	-92.17
40	38750	14.51		
	39150	13.79		
	39550	13.39	39550	-90.88
41	40540	16.99		
	40620	16.92		
	40940	15.99	40940	-91.96
66	132022	18.94		
	132322	18.92		
	132622	19.02	67086	-95.98
71	133172	14.82		
	133297	15.18		
	133422	15.53	68886	-78.7

4. 天线位置图/Antenna location diagram



5. 图纸/Drawing

