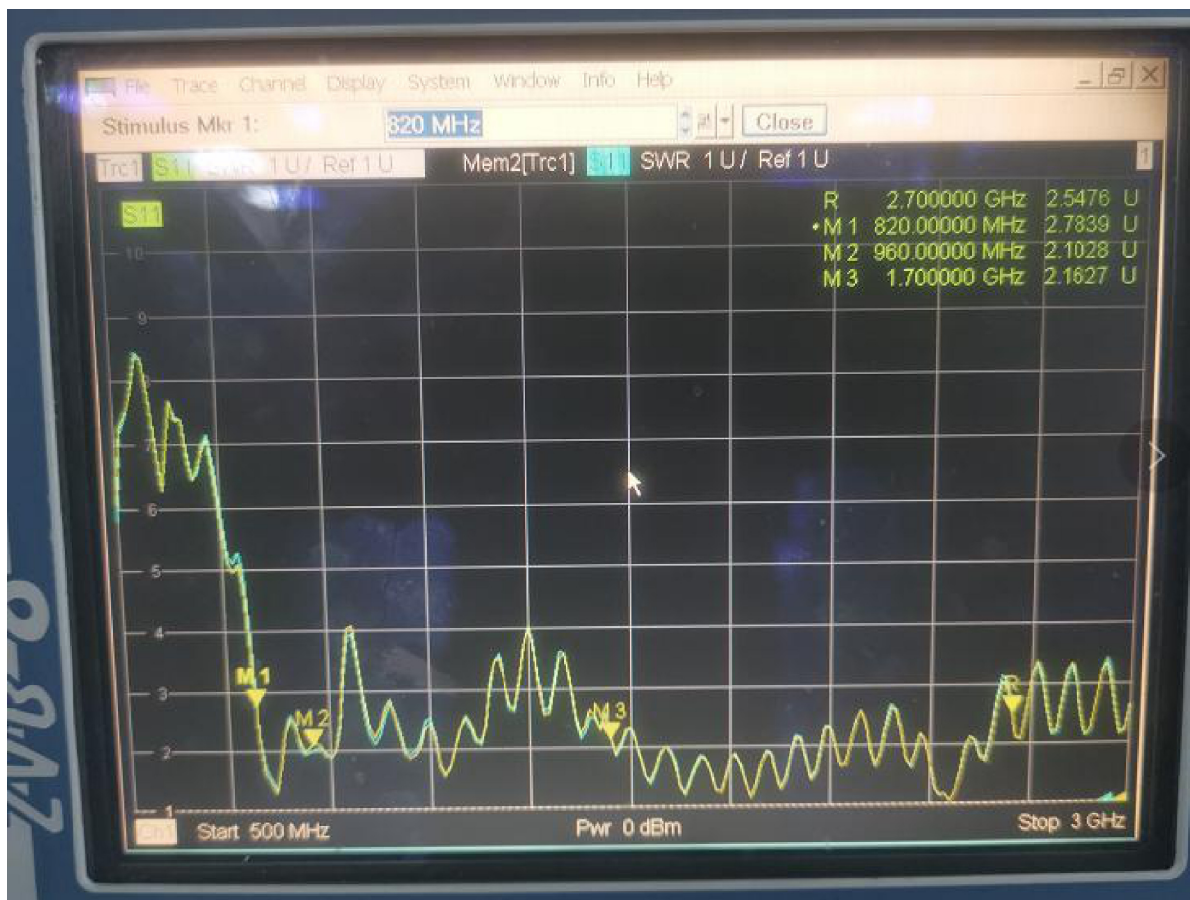


MT700 4G LTE Antenna Specification

1 .4G FPC Antenna

Technical Requirements	Technical Indicators
Frequency	700MHz~960MHz; 1710MHz~2700MHz
Impedance	50
V.S.W.R	2.0:1
Polarization Type	Vertical
Radiation Direction	Omni directional

2. 4G FPC Antenna test data





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Attenut Hor	Attenut Ver
700	41.28	-3.84	2.4	0.25	2.4	-15.25	37.53	36.77
710	48.32	-3.16	3.13	0.98	3.13	-13.65	38.44	37.53
720	47.99	-3.19	3	0.85	3	-11.89	37.72	36.79
730	49.02	-3.1	2.96	0.81	2.96	-12.47	37.21	36.24
740	45.51	-3.42	2.41	0.26	2.41	-13.4	37.01	36.12
750	57.16	-2.43	3.04	0.89	3.04	-12.82	36.77	35.97
760	62.96	-2.01	3.3	1.15	3.3	-12.3	36.48	35.79
770	55.64	-2.55	2.73	0.58	2.73	-12.15	35.74	35.13
780	59.35	-2.27	3.09	0.94	3.09	-12.01	35.51	34.97
790	66.69	-1.76	3.52	1.37	3.52	-11.77	35.92	35.42
800	55.8	-2.53	2.77	0.62	2.77	-11.3	35.4	34.97
810	52.47	-2.8	2.85	0.5	2.65	-11.7	35.29	35.02
820	47.53	-3.23	2.53	0.18	2.33	-14.15	34.93	34.93
830	54.08	-2.67	3.27	0.87	3.02	-16.05	35.38	35.65
840	56.63	-2.47	3.23	1.08	3.23	-18.84	35.64	36.09
850	58.99	-2.29	3.27	1.12	3.27	-16.65	36.06	36.66
860	66.96	-1.74	3.56	1.41	3.56	-12.53	36.48	37.08
870	70.44	-1.52	3.37	1.22	3.37	-11.66	36.88	37.5
880	60.39	-2.19	2.33	0.18	2.33	-14.53	36.59	36.98
890	64.05	-1.93	2.44	0.29	2.44	-16.56	36.64	37.05
900	55.63	-2.55	1.71	-0.44	1.71	-15.67	36.43	36.49
910	52.66	-2.78	1.61	-0.54	1.61	-15.88	36.75	36.93
920	52.04	-2.84	1.93	-0.22	1.93	-17.12	36.74	36.74
930	58.91	-2.3	2.7	0.55	2.7	-17.61	36.97	36.97
940	52.31	-2.81	1.94	-0.21	1.94	-18.6	37.18	36.95
950	55.38	-2.57	1.67	-0.48	1.67	-17.85	37.32	37.07
960	53.76	-2.7	1.62	-0.53	1.62	-16.15	37.17	36.81
1710	58.59	-2.32	0.32	-1.83	0.32	-17.7	42.85	43.05
1720	49.78	-3.03	-0.1	-2.25	-0.1	-17.92	42.6	42.79
1730	46.62	-3.31	-0.12	-2.27	-0.12	-18.18	42.26	42.47
1740	40.33	-3.94	-0.73	-2.88	-0.73	-19.83	42.14	42.27
1750	28.7	-5.42	-2.27	-4.42	-2.27	-22.68	42.03	42.2
1760	26.22	-5.81	-3.1	-5.25	-3.1	-23.29	42.24	42.36
1770	21.15	-6.75	-4.45	-6.6	-4.45	-26.29	41.94	42.13
1780	17.84	-7.49	-5.59	-7.74	-5.59	-29.61	42.21	42.48
1790	16.28	-7.88	-5.74	-7.89	-5.74	-30.37	41.62	41.9
1800	18.8	-7.26	-4.48	-6.63	-4.48	-29.16	42.04	42.35



1810	20.12	-6.96	-3.72	-5.87	-3.72	-26.69	41.73	42.03
1820	23.34	-6.32	-2.84	-4.99	-2.84	-26.78	41.94	42.23
1830	25.92	-5.86	-2	-4.15	-2	-25.38	41.9	42.29
1840	29.57	-5.29	-1.16	-3.31	-1.16	-22.65	42.24	42.64
1850	43.2	-3.65	0.34	-1.81	0.34	-22.42	42.53	43.16
1860	54.35	-2.65	1.18	-0.97	1.18	-20.35	43.11	43.63
1870	58.17	-2.35	1.29	-0.86	1.29	-19.63	42.68	43.37
1880	83.47	-0.78	2.71	0.56	2.71	-18.42	43.26	44.02
1890	66.78	-1.75	1.73	-0.42	1.73	-17.7	42.48	43.34
1900	68.21	-1.66	1.91	-0.24	1.91	-16.88	42.77	44
1910	62.29	-2.06	1.53	-0.62	1.53	-16.77	42.6	43.8
1920	53.69	-2.7	0.73	-1.42	0.73	-16.05	42.68	44.39
1930	55.7	-2.54	0.78	-1.37	0.78	-15.33	43.34	44.77
1940	42.41	-3.73	-0.65	-2.8	-0.65	-16.65	43.07	45.05
1950	49.89	-3.02	0.47	-1.68	0.47	-16.3	43.86	45.48
1960	35.48	-4.5	-0.78	-2.93	-0.78	-16.2	43.2	45.36
1970	35.96	-4.44	-0.25	-2.4	-0.25	-18.61	43.6	45.76
1980	30.1	-5.21	-0.82	-2.97	-0.82	-18.04	43.07	45.47
1990	34.25	-4.65	-0.25	-2.4	-0.25	-17.51	43.06	45.79
2000	31.4	-5.03	-0.71	-2.86	-0.71	-18.37	43.05	45.51
2010	35.17	-4.54	-0.46	-2.61	-0.46	-19.84	43.54	46.29
2020	28.16	-5.5	-1.61	-3.76	-1.61	-20.47	43.28	45.41
2030	34.88	-4.57	-0.81	-2.96	-0.81	-21.49	43.88	46.22
2040	32.32	-4.91	-1.24	-3.39	-1.24	-21.63	43.56	45.4
2050	34.3	-4.65	-0.86	-3.01	-0.86	-22.69	44.09	46
2060	34.8	-4.58	-0.88	-3.03	-0.88	-26.58	43.46	44.95
2070	35.32	-4.52	-0.81	-2.96	-0.81	-24.1	43.71	45.1
2080	33.63	-4.73	-0.67	-2.82	-0.67	-21.42	43.32	44.54
2090	34.03	-4.68	-0.1	-2.25	-0.1	-19.41	43.39	44.55
2100	34.14	-4.67	0.05	-2.1	0.05	-17.92	43.6	44.49
2110	32.99	-4.82	0.06	-2.09	0.06	-25.35	43.32	44.18
2120	41.9	-3.78	1.24	-0.91	1.24	-22.05	44.06	44.71
2130	31.81	-4.97	-0.09	-2.24	-0.09	-18.27	43.4	44.18
2140	37.73	-4.23	0.22	-1.93	0.22	-17.2	44.11	44.64
2150	34.25	-4.65	-0.54	-2.69	-0.54	-18.1	43.65	44.44
2160	29.14	-5.36	-1.71	-3.86	-1.71	-19.09	43.71	44.26
2170	30.2	-5.2	-1.91	-4.06	-1.91	-19.88	43.35	43.9
2180	35.9	-4.45	-1.53	-3.68	-1.53	-19.61	44.01	44.4
2190	34.15	-4.67	-1.73	-3.88	-1.73	-17.37	44.06	44.45
2200	32.57	-4.87	-1.8	-3.95	-1.8	-16.92	44.24	44.52

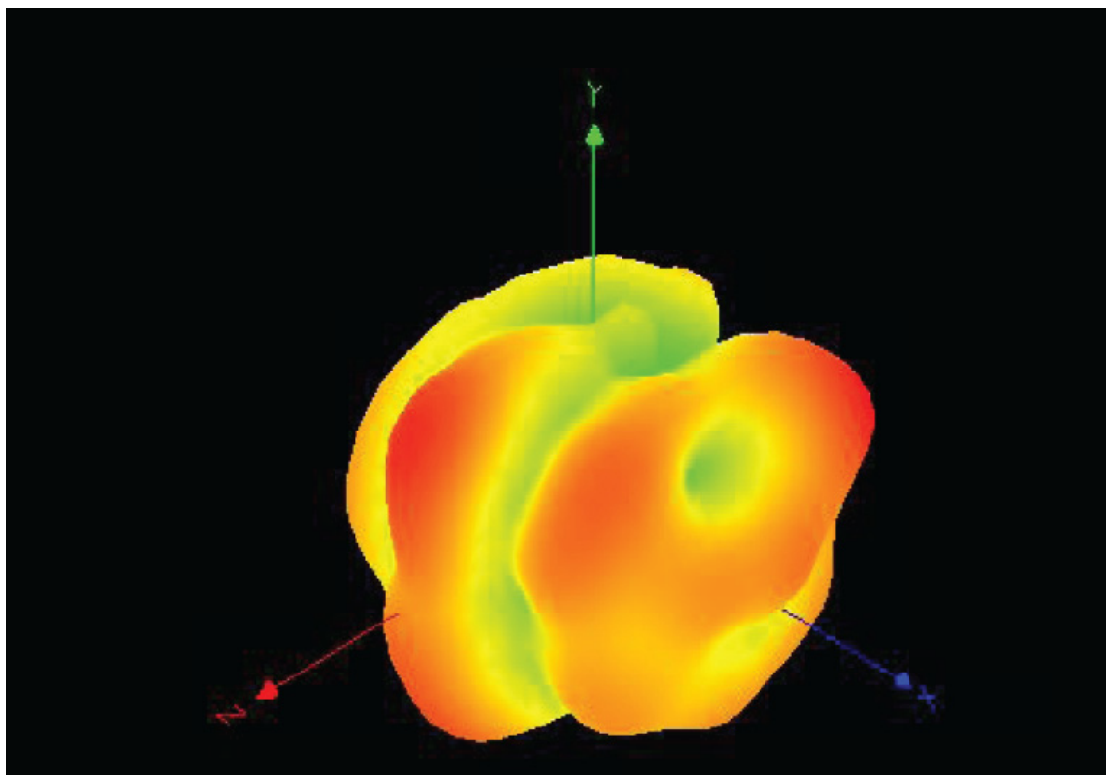


2210	32.81	-4.84	-1.73	-3.88	-1.73	-18.14	44.22	44.37
2220	34.71	-4.6	-1.48	-3.63	-1.48	-19.1	44.63	44.85
2230	32.41	-4.89	-2.04	-4.19	-2.04	-21.91	44.13	44.18
2240	43.34	-3.63	-0.86	-3.01	-0.86	-24.39	44.3	44.46
2250	45.32	-3.44	-0.69	-2.84	-0.69	-25.18	43.88	44.03
2260	59.3	-2.27	1.01	-1.14	1.01	-28.17	44	44.32
2270	63.89	-1.95	2	-0.15	2	-44.25	44.23	44.48
2280	64.47	-1.91	2.58	0.43	2.58	-31.88	44.23	44.56
2290	59.73	-2.24	2.63	0.48	2.63	-33.42	44.63	44.83
2300	65.61	-1.83	3.31	1.16	3.31	-28.58	44.54	44.74
2310	59.73	-2.24	3.01	0.86	3.01	-27.63	44.94	45.01
2320	62.98	-2.01	3.34	1.19	3.34	-24.24	44.87	45.19
2330	74.08	-1.3	3.09	1.94	3.09	-23.43	44.92	45.01
2340	70.39	-1.52	2.94	1.79	2.94	-24.58	44.81	45.06
2350	73.09	-1.36	2.17	1.02	2.17	-27.56	44.94	45.13
2360	77.05	-1.13	2.36	2.21	2.36	-29.18	45.19	45.51
2370	73.71	-1.32	2.09	1.94	2.09	-33.78	45.35	45.69
2380	80.98	-0.92	2.51	2.36	2.51	-34.32	45.79	46.13
2390	71.41	-1.46	1.97	1.82	1.97	-33.38	45.69	46.26
2400	63.55	-1.97	1.56	1.41	1.56	-35.09	45.63	45.91
2410	65.87	-1.81	1.76	1.61	1.76	-34.63	45.36	45.97
2420	68.53	-1.64	1.91	1.76	1.91	-28.34	45.59	45.86
2430	70.44	-1.52	2.13	1.98	2.13	-26.36	45.3	45.85
2440	87.85	-0.56	2.09	2.94	2.09	-25.09	45.72	45.94
2450	93.41	-0.3	2.32	3.17	2.32	-24.46	46.14	46.55
2460	87.69	-0.57	2.11	2.96	2.11	-27.68	46.66	46.78
2470	63.1	-2	1.76	1.61	1.76	-26.93	46.34	46.39
2480	64.76	-1.89	1.93	1.78	1.93	-29.1	46.74	46.81
2490	57.62	-2.39	1.54	1.39	1.54	-31.12	46.59	46.4
2500	83.04	-0.81	2.11	2.96	2.11	-22.89	46.73	46.7
2510	78.55	-1.05	1.83	2.68	1.83	-24.34	46.49	46.23
2520	81.47	-0.89	2.05	2.9	2.05	-27.93	46.36	46.27
2530	69.44	-1.58	1.33	2.18	1.33	-30.5	46.6	46.26
2540	67.24	-1.72	1.19	2.04	1.19	-28.45	46.41	46.23
2550	44.12	-3.55	2.43	0.28	2.43	-30.07	46.66	46.48
2560	50.24	-2.99	1.01	0.86	1.01	-27.8	47.09	46.98
2570	52.05	-2.84	1.22	1.07	1.22	-28.19	47.09	46.88
2580	53.9	-2.68	1.51	1.36	1.51	-26.9	47.07	47.03
2590	51.32	-2.9	1.17	1.02	1.17	-31.1	46.63	46.6
2600	54.61	-2.63	1.42	1.27	1.42	-30.26	47.07	46.93

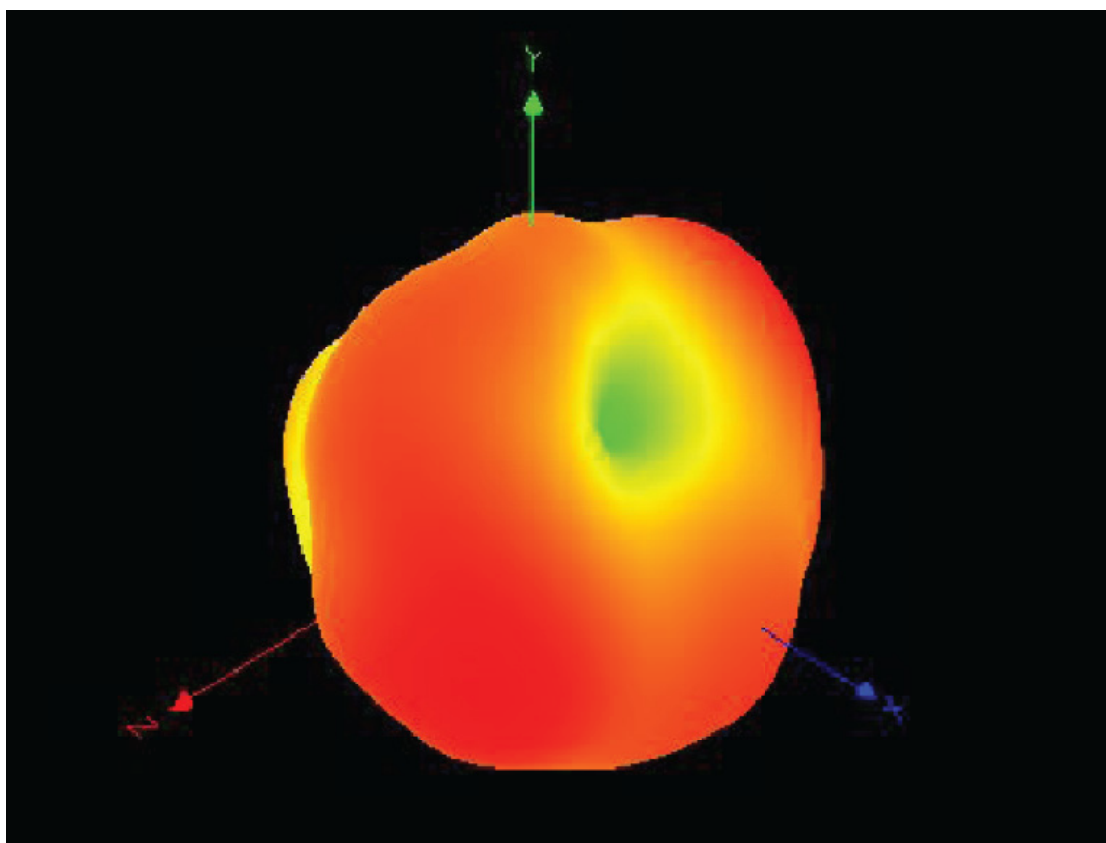


2610	50.13	-3	1.12	0.97	1.12	-31.36	46.9	46.85
2620	44	-3.57	1.64	0.49	1.64	-31.96	46.67	46.72
2630	39.18	-4.07	1.17	0.02	1.17	-28.66	47.12	47.23
2640	33.23	-4.78	1.55	-0.6	1.55	-25.71	46.91	46.85
2650	36.38	-4.39	1.08	-0.07	1.08	-34.31	47.44	47.58
2660	29.51	-5.3	1.03	-1.12	1.03	-32.48	47.05	46.91
2670	25.22	-5.98	0.31	-1.84	0.31	-34.6	47.41	47.48
2680	27.98	-5.53	0.68	-1.47	0.68	-26.85	47.03	47.08
2690	24.91	-6.04	0.41	-1.74	0.41	-26.49	47.13	47.24
2700	23.44	-6.3	0.35	-1.8	0.35	-26.63	47.11	47.18

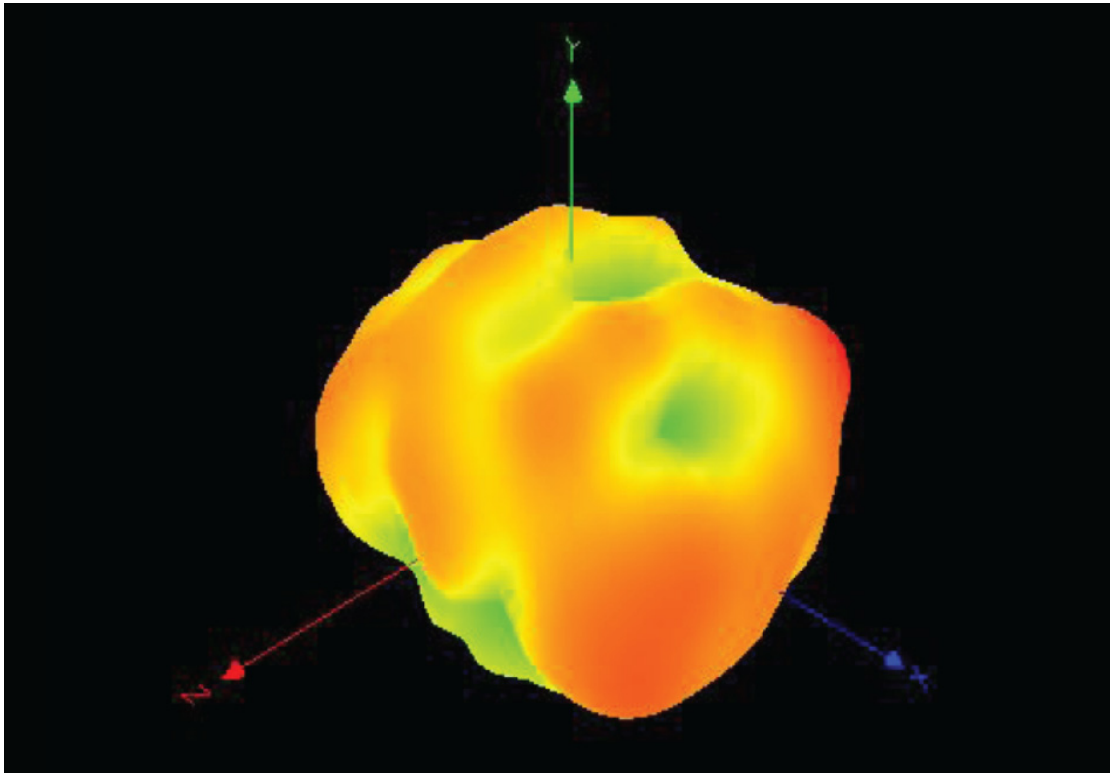
700MHz



1710MHz



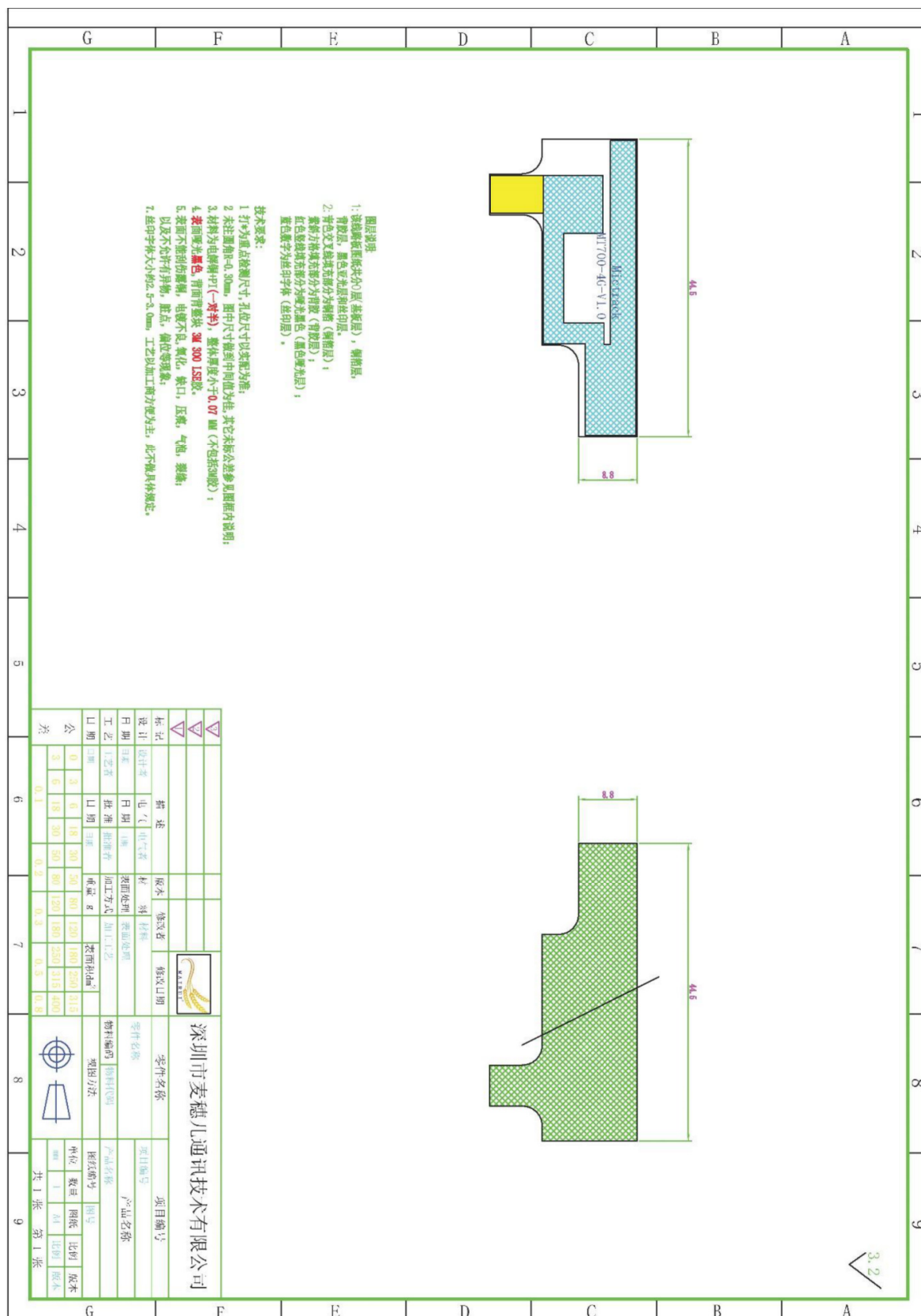
2700MHz



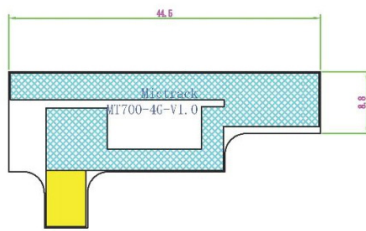
3. Environmental Characteristics

Working Temperature	-40℃~+85℃
Storage Temperature	-50℃~+85℃
Humidity	95%~100%

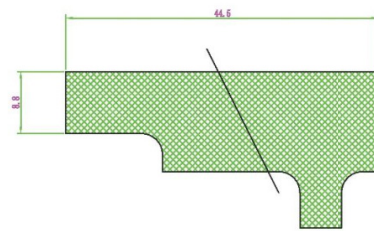
4. Antenna Structure



5. Antenna Direction



Front



Back

6. Physical picture



