

SPECIFICATION

ShenZhen Takchang Technology Co., Ltd

BC007 ANTENNA

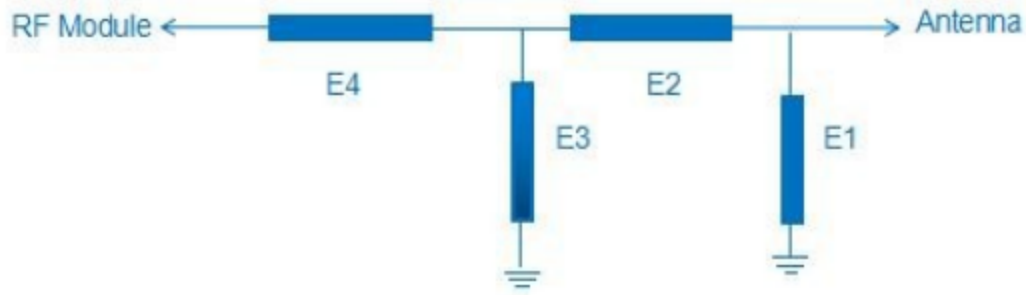
Product Specification

Customer		Channel	
Project Name		Version	
Project part number		Colour	Black
RF Design		Structure Design	
Date			
Customer Confirmation:			

ShenZhen Takchang Technology Co., Ltd
Contact Person : Mr. Pi Tel: 18666822751
Email : fengjun.pi@takchang.com

一、Antenna Overview

1、Matching Circuit Diagram



Note:The matching circuit of the 4G antenna is the original matching of the motherboard and has not been changed.

Confidentiality Requirements

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1.2、Passive Test

Passive Test For D11							
Freq (MHz)	Effi (%)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
600	0.16	-23.67	0.075	0.084	-23.67	-38.36	4.31
605	0.14	-24.48	0.063	0.074	-24.48	-38.72	4.14
610	0.15	-23.98	0.066	0.08	-23.98	-37.4	4.38
615	0.14	-24.04	0.062	0.074	-24.04	-37.58	4.62
620	0.14	-24.15	0.063	0.074	-24.15	-38.01	4.48
625	0.16	-23.56	0.075	0.089	-23.56	-38.06	4.28
630	0.23	-22.07	0.108	0.125	-22.07	-37.5	4.25
635	0.38	-20.09	0.181	0.204	-20.09	-34.31	4.06
640	0.58	-18.55	0.278	0.304	-18.55	-31.82	3.8
645	0.5	-19.45	0.243	0.257	-19.45	-31.84	3.55
650	0.41	-20.28	0.205	0.21	-20.28	-32.99	3.54
655	0.37	-21.08	0.183	0.182	-21.08	-33.45	3.3
660	0.24	-23.07	0.121	0.118	-23.07	-33.99	3.14
665	0.22	-23.12	0.111	0.106	-23.12	-35.11	3.52
670	0.3	-21.51	0.157	0.147	-21.51	-33.57	3.66
675	0.39	-20.26	0.202	0.187	-20.26	-31.74	3.84
680	0.5	-19.18	0.258	0.239	-19.18	-30.64	3.85
685	0.89	-16.84	0.455	0.431	-16.84	-28.2	3.68
690	1.22	-15.49	0.626	0.596	-15.49	-26.84	3.64
695	1.05	-16.27	0.532	0.514	-16.27	-27.89	3.53
700	1.2	-15.91	0.605	0.598	-15.91	-27.12	3.28
705	1.04	-16.61	0.519	0.522	-16.61	-27.63	3.22
710	0.81	-17.64	0.403	0.402	-17.64	-28.68	3.3
715	1.08	-16.39	0.539	0.536	-16.39	-26.94	3.29
720	1.22	-15.8	0.621	0.604	-15.8	-26.18	3.33
725	1.14	-16.12	0.589	0.554	-16.12	-27.12	3.29
730	1.88	-14.01	0.977	0.903	-14.01	-25	3.25
735	3.07	-11.9	1.612	1.457	-11.9	-23.01	3.23
740	3.13	-11.84	1.67	1.458	-11.84	-23.13	3.21
745	3.62	-11.14	1.952	1.67	-11.14	-22.53	3.27
750	3.51	-11.25	1.902	1.611	-11.25	-22.38	3.3
755	2.81	-12.2	1.531	1.274	-12.2	-23.11	3.32
760	2.82	-12.2	1.544	1.278	-12.2	-22.89	3.29
765	3.54	-11.34	1.931	1.614	-11.34	-21.49	3.17
770	4.09	-10.75	2.217	1.873	-10.75	-20.96	3.13
775	5.23	-9.43	2.798	2.427	-9.43	-20.09	3.39
780	7.42	-7.64	3.891	3.527	-7.64	-19.39	3.66
785	7.78	-7.24	4.043	3.739	-7.24	-21.11	3.85
790	6.69	-7.72	3.424	3.262	-7.72	-23.29	4.02

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795	5.37	-8.64	2.718	2.653	-8.64	-26.09	4.06
800	6.05	-8.1	3.088	2.963	-8.1	-26.64	4.08
805	6.82	-7.57	3.521	3.298	-7.57	-25.46	4.09
810	6.69	-7.8	3.516	3.17	-7.8	-24.29	3.95
815	8.31	-7.01	4.533	3.78	-7.01	-22.7	3.79
820	10.38	-6.2	5.841	4.544	-6.2	-20.31	3.64
825	8.87	-7.08	5.142	3.724	-7.08	-19.9	3.44
830	8.51	-7.21	5.112	3.399	-7.21	-19.99	3.49
835	7.77	-7.5	4.785	2.989	-7.5	-20.01	3.59
840	6.37	-8.28	4.01	2.359	-8.28	-20.61	3.68
845	6.37	-8.2	4.101	2.272	-8.2	-20.35	3.76
850	7.16	-7.63	4.674	2.49	-7.63	-19.49	3.82
855	7.11	-7.58	4.673	2.436	-7.58	-19.36	3.9
860	7.16	-7.5	4.72	2.44	-7.5	-20.41	3.95
865	8.12	-6.97	5.316	2.802	-6.97	-21.29	3.93
870	8.41	-6.87	5.437	2.974	-6.87	-23.67	3.88
875	8.08	-7.09	5.128	2.948	-7.09	-28.02	3.84
880	8.11	-7.24	5.022	3.086	-7.24	-31.49	3.67
885	6.48	-8.27	3.886	2.589	-8.27	-33.42	3.62
890	5.12	-9.15	2.98	2.142	-9.15	-34.54	3.76
895	4.43	-9.64	2.502	1.925	-9.64	-31.33	3.9
900	3.44	-10.63	1.892	1.55	-10.63	-29.63	4
905	3.18	-10.99	1.718	1.465	-10.99	-28.72	3.98
910	4.03	-9.9	2.143	1.884	-9.9	-26.29	4.05
915	5.28	-8.73	2.776	2.502	-8.73	-24.47	4.05
920	6.01	-8.25	3.133	2.878	-8.25	-23.43	3.96
925	5.7	-8.52	2.962	2.743	-8.52	-23.47	3.92
930	4.42	-9.68	2.273	2.145	-9.68	-24.54	3.87
935	4.15	-10.02	2.118	2.032	-10.02	-24.58	3.8
940	3.43	-10.77	1.739	1.695	-10.77	-25	3.87
945	2.64	-11.81	1.305	1.335	-11.81	-26.19	3.97
950	2.74	-11.49	1.316	1.421	-11.49	-25.66	4.14
955	3.11	-10.73	1.454	1.655	-10.73	-25	4.35
960	3.26	-10.21	1.469	1.788	-10.21	-24.86	4.66
965	3.51	-9.7	1.547	1.962	-9.7	-24.78	4.85
970	3.73	-9.24	1.622	2.107	-9.24	-24.28	5.04
975	3.31	-9.63	1.409	1.9	-9.63	-24.82	5.17
980	3.03	-10.03	1.267	1.768	-10.03	-24.47	5.15
985	2.77	-10.5	1.137	1.633	-10.5	-24.39	5.08
990	1.92	-12.24	0.783	1.14	-12.24	-25.95	4.92
995	1.54	-13.44	0.634	0.91	-13.44	-27.09	4.67
1000	1.55	-13.68	0.652	0.896	-13.68	-27.23	4.42

Confidentiality Requirements

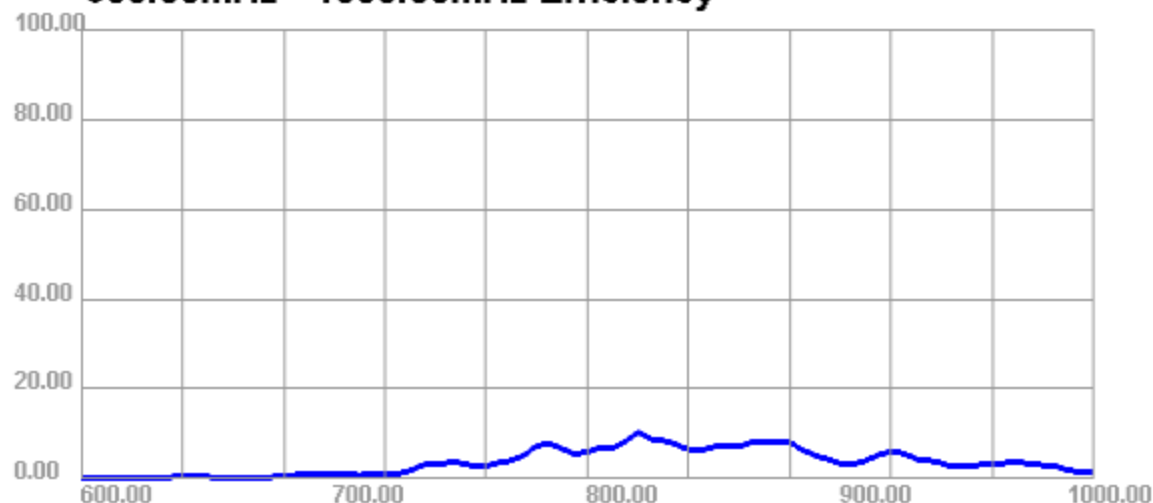
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600.00MHz - 1000.00MHz Gain

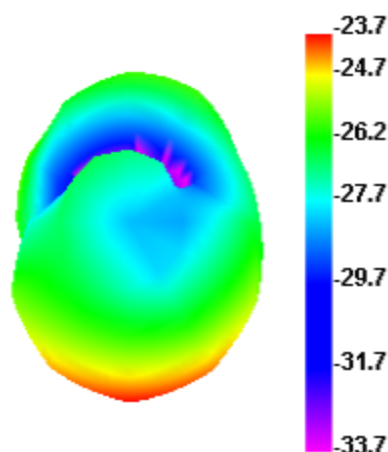


1. 3. 3

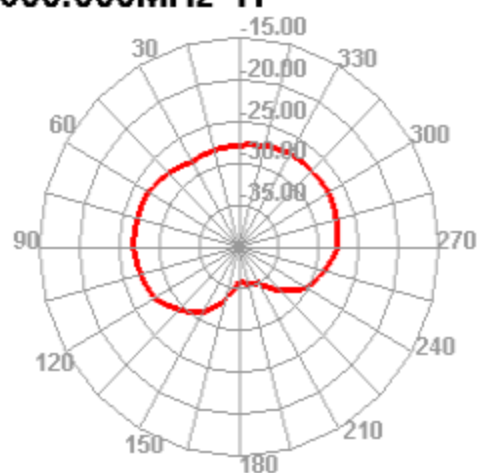
600.00MHz - 1000.00MHz Efficiency



600.000MHz



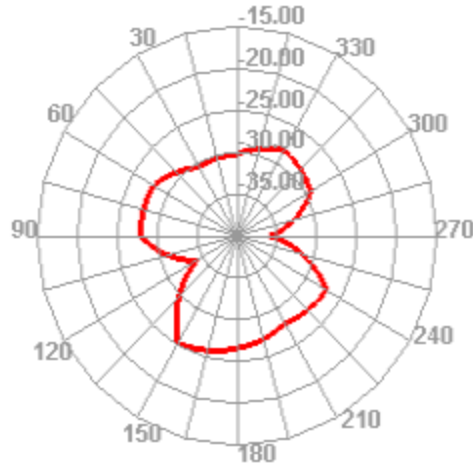
600.000MHz H



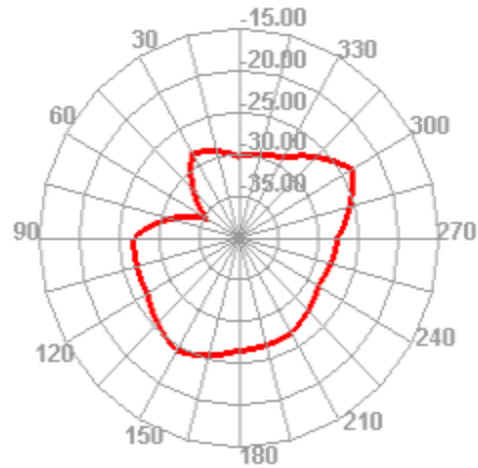
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600.000MHz E1



600.000MHz E2



Passive Test For D2							
Freq (MHz)	Effi (%)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
1700	45.44	0.17	23.95	21.49	0.17	-10.64	3.59
1705	54.78	1.03	28.722	26.06	1.03	-9.86	3.65
1710	57.19	1.28	29.891	27.296	1.28	-9.32	3.71
1715	59.92	1.51	31.326	28.597	1.51	-8.68	3.74
1720	56.04	1.3	29.017	27.022	1.3	-8.78	3.81
1725	49.31	0.81	25.397	23.91	0.81	-9.26	3.88
1730	52.36	1.07	26.896	25.469	1.07	-9.1	3.88
1735	54.47	1.28	27.694	26.777	1.28	-8.95	3.92
1740	49.22	0.85	24.849	24.375	0.85	-9.5	3.93
1745	50.46	0.94	25.41	25.055	0.94	-9.5	3.91
1750	53.61	1.23	26.718	26.896	1.23	-9.35	3.94
1755	54.04	1.25	26.661	27.375	1.25	-9.47	3.92
1760	57.53	1.46	28.336	29.198	1.46	-9.32	3.86
1765	56.67	1.36	27.672	29.002	1.36	-9.55	3.83
1770	53.42	1.07	25.79	27.63	1.07	-10.05	3.8
1775	56.32	1.18	27.162	29.16	1.18	-9.82	3.68
1780	54.38	0.99	26.007	28.371	0.99	-9.73	3.64
1785	46.36	0.28	21.882	24.478	0.28	-10.36	3.61
1790	46.52	0.24	21.923	24.6	0.24	-10.2	3.56
1795	53.92	0.88	25.229	28.692	0.88	-9.85	3.56
1800	55.95	1.07	25.822	30.129	1.07	-9.96	3.59
1805	54.68	0.95	25.092	29.593	0.95	-10.42	3.57
1810	54.8	0.93	24.989	29.809	0.93	-10.64	3.54
1815	49.67	0.52	22.349	27.316	0.52	-11.17	3.56
1820	48.01	0.37	21.54	26.47	0.37	-11.32	3.55
1825	49.77	0.49	22.392	27.381	0.49	-10.99	3.52
1830	47.49	0.41	21.189	26.297	0.41	-10.95	3.64

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1835	45.93	0.29	20.497	25.43	0.29	-10.65	3.67
1840	50.56	0.73	22.66	27.896	0.73	-9.75	3.69
1845	54.2	1.18	24.048	30.152	1.18	-8.97	3.84
1850	55.64	1.32	24.599	31.045	1.32	-8.45	3.86
1855	53.5	1.15	23.603	29.9	1.15	-8.26	3.87
1860	48.65	0.82	21.142	27.508	0.82	-8.67	3.95
1865	47.98	0.77	20.594	27.381	0.77	-8.86	3.96
1870	48.79	0.79	20.795	27.991	0.79	-8.91	3.91
1875	46.49	0.58	19.539	26.95	0.58	-9.51	3.9
1880	43.78	0.34	18.118	25.659	0.34	-10.1	3.93
1885	43	0.25	17.644	25.358	0.25	-10.41	3.91
1890	43.07	0.3	17.398	25.672	0.3	-10.8	3.96
1895	43.37	0.42	17.166	26.201	0.42	-11.06	4.05
1900	43.92	0.49	17.235	26.689	0.49	-11.17	4.06
1905	45.11	0.71	17.451	27.656	0.71	-11.27	4.17
1910	46.7	0.97	17.799	28.897	0.97	-11.68	4.28
1915	46.89	1.03	17.82	29.069	1.03	-11.82	4.32
1920	43.03	0.74	16.283	26.749	0.74	-12.26	4.4
1925	37.69	0.26	14.224	23.463	0.26	-12.87	4.5
1930	34.74	-0.12	13.198	21.547	-0.12	-12.96	4.47
1935	33.99	-0.24	13.016	20.973	-0.24	-12.75	4.44
1940	33.72	-0.28	12.975	20.749	-0.28	-12.53	4.44
1945	31.17	-0.68	12.078	19.088	-0.68	-12.47	4.38
1950	31.71	-0.65	12.421	19.292	-0.65	-11.9	4.34
1955	38.93	0.24	15.344	23.59	0.24	-10.65	4.34
1960	38.91	0.18	15.472	23.442	0.18	-10.24	4.28
1965	32.65	-0.66	13.154	19.495	-0.66	-10.74	4.2
1970	32.28	-0.72	13.091	19.192	-0.72	-10.65	4.19
1975	28.42	-1.32	11.61	16.812	-1.32	-11.11	4.14
1980	23.24	-2.24	9.575	13.67	-2.24	-11.91	4.1
1985	25.42	-1.77	10.499	14.925	-1.77	-11.6	4.18
1990	30.77	-0.93	12.715	18.056	-0.93	-10.9	4.19
1995	28.35	-1.33	11.74	16.61	-1.33	-11.39	4.14
2000	27	-1.54	11.171	15.828	-1.54	-11.76	4.15
2005	29.32	-1.14	12.06	17.262	-1.14	-11.66	4.19
2010	28.26	-1.4	11.635	16.63	-1.4	-11.95	4.09
2015	26.72	-1.71	10.997	15.726	-1.71	-12.24	4.02
2020	26.82	-1.73	11.008	15.814	-1.73	-12.43	3.99
2025	25.4	-2.07	10.475	14.929	-2.07	-12.67	3.88
2030	26.89	-1.9	11.21	15.675	-1.9	-12.29	3.81
2035	31.73	-1.24	13.314	18.411	-1.24	-11.58	3.74
2040	26.34	-2.09	11.18	15.161	-2.09	-12.29	3.7
2045	21.09	-3.14	9.114	11.98	-3.14	-13.46	3.61
2050	22.85	-2.83	9.984	12.864	-2.83	-13.55	3.58
2055	24.63	-2.52	10.89	13.736	-2.52	-13.54	3.56
2060	23.95	-2.68	10.787	13.163	-2.68	-13.98	3.53

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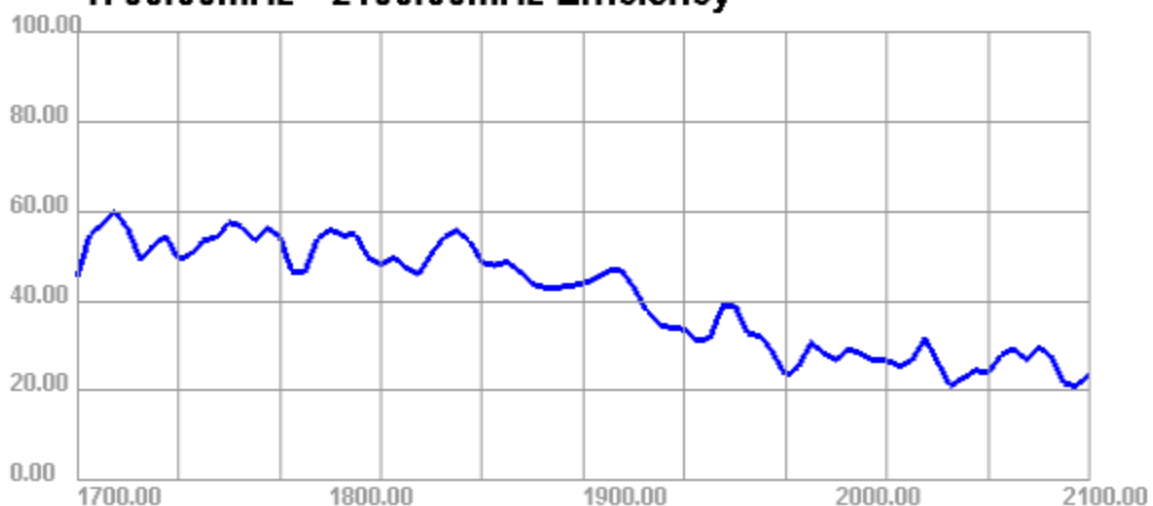
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2065	27.91	-2.06	12.723	15.187	-2.06	-13.66	3.48
2070	29.36	-1.88	13.524	15.836	-1.88	-13.7	3.44
2075	26.95	-2.43	12.612	14.335	-2.43	-14.08	3.27
2080	29.7	-2.01	14.084	15.618	-2.01	-13.59	3.27
2085	27.68	-2.24	13.249	14.428	-2.24	-13.73	3.34
2090	21.44	-3.27	10.392	11.051	-3.27	-14.76	3.41
2095	21.24	-3.24	10.413	10.826	-3.24	-14.76	3.49
2100	23.78	-2.73	11.738	12.046	-2.73	-14.26	3.51

1700.00MHz - 2100.00MHz Gain



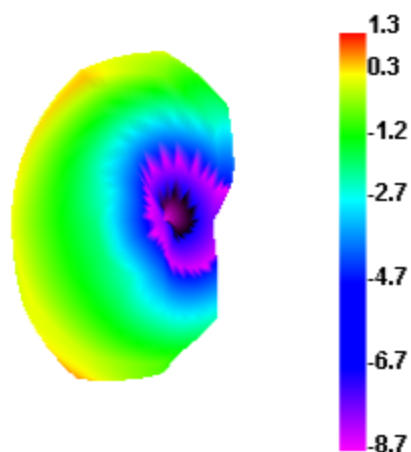
1700.00MHz - 2100.00MHz Efficiency



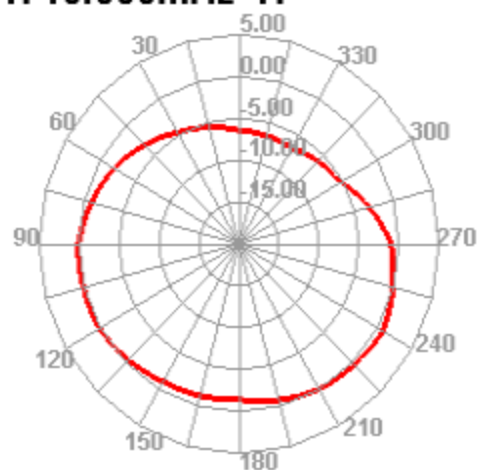
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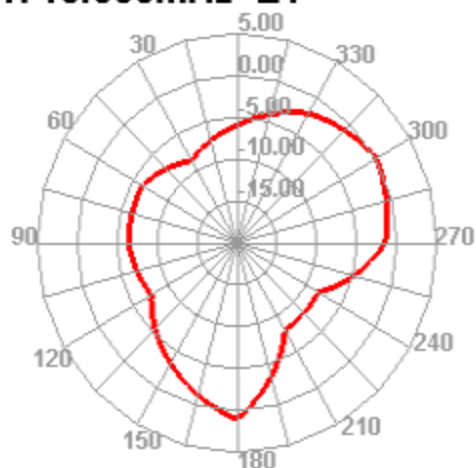
1710.000MHz



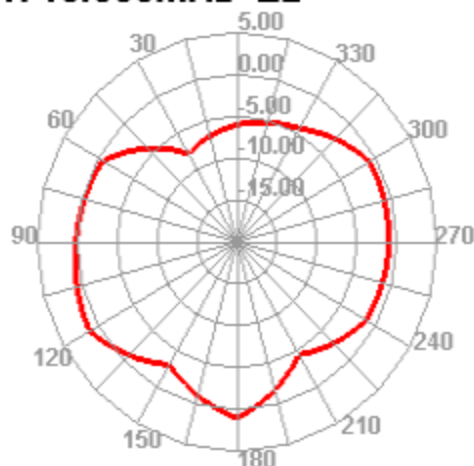
1710.000MHz H



1710.000MHz E1



1710.000MHz E2



Passive Test For D4							
Freq (MHz)	Effi (%)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
2110	22.16	-2.87	11.113	11.052	-2.87	-14.79	3.67
2115	24.35	-2.42	12.262	12.084	-2.42	-14.42	3.71
2120	17.43	-3.83	8.784	8.65	-3.83	-16.24	3.76
2125	16.23	-4.11	8.191	8.036	-4.11	-16.76	3.79
2130	20.56	-3.04	10.378	10.177	-3.04	-15.99	3.83
2135	17.49	-3.72	8.82	8.668	-3.72	-16.84	3.86
2140	15.17	-4.3	7.67	7.495	-4.3	-17.37	3.9
2145	18.49	-3.39	9.388	9.107	-3.39	-16.25	3.94
2150	17.01	-3.76	8.64	8.37	-3.76	-16.22	3.93
2155	14.05	-4.54	7.166	6.88	-4.54	-16.61	3.98
2160	15.96	-3.97	8.187	7.775	-3.97	-15.81	4
2165	15.6	-4.1	8.01	7.589	-4.1	-15.65	3.97
2170	13.98	-4.58	7.186	6.795	-4.58	-15.94	3.97

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2175	17.14	-3.69	8.833	8.304	-3.69	-14.82	3.97
2180	20.24	-2.98	10.409	9.828	-2.98	-13.91	3.96
2185	16.84	-3.84	8.637	8.207	-3.84	-14.44	3.9
2190	16.13	-4.05	8.275	7.86	-4.05	-14.45	3.88
2195	15.68	-4.26	8.025	7.659	-4.26	-14.22	3.79
2200	12.28	-5.44	6.275	6.002	-5.44	-15.11	3.67
2205	12.42	-5.5	6.365	6.054	-5.5	-15.01	3.56
2210	16.01	-4.59	8.208	7.806	-4.59	-14.07	3.37
2215	16.74	-4.55	8.605	8.135	-4.55	-13.91	3.21
2220	15.37	-5.15	7.974	7.399	-5.15	-14.44	2.98
2225	18.29	-4.56	9.579	8.715	-4.56	-13.96	2.81
2230	20.41	-4.11	10.812	9.601	-4.11	-13.74	2.79
2235	18.22	-4.64	9.789	8.433	-4.64	-14.83	2.75
2240	17.32	-4.88	9.42	7.899	-4.88	-15.55	2.73
2245	16.33	-5.21	8.997	7.335	-5.21	-16.52	2.66
2250	16.65	-5.11	9.298	7.349	-5.11	-17.07	2.68
2255	19.76	-4.29	11.166	8.594	-4.29	-17.3	2.76
2260	20.44	-4.06	11.672	8.765	-4.06	-17.77	2.84
2265	19.62	-4.14	11.313	8.304	-4.14	-18.9	2.94
2270	22.13	-3.52	12.87	9.26	-3.52	-19.1	3.03
2275	23.96	-3.07	13.995	9.96	-3.07	-19.39	3.13
2280	22.55	-3.2	13.26	9.294	-3.2	-20.01	3.27
2285	24.12	-2.81	14.263	9.855	-2.81	-19.87	3.36
2290	29.49	-1.76	17.534	11.955	-1.76	-19.32	3.54
2295	30.24	-1.53	18.104	12.138	-1.53	-19.24	3.66
2300	27.31	-1.82	16.468	10.84	-1.82	-19.68	3.82
2305	27.88	-1.59	16.932	10.948	-1.59	-19.72	3.96
2310	25.73	-1.82	15.731	10.001	-1.82	-20.01	4.07
2315	22.71	-2.28	13.973	8.737	-2.28	-20.72	4.16
2320	25.52	-1.73	15.79	9.731	-1.73	-20.17	4.2
2325	33.21	-0.57	20.665	12.546	-0.57	-19.08	4.22
2330	36.9	-0.11	23.081	13.819	-0.11	-18.95	4.22
2335	37.4	-0.03	23.463	13.933	-0.03	-19.02	4.24
2340	38.46	0.15	24.163	14.292	0.15	-19.2	4.3
2345	36.11	-0.07	22.702	13.409	-0.07	-19.61	4.36
2350	34.26	-0.24	21.54	12.718	-0.24	-20.2	4.41
2355	33.99	-0.24	21.408	12.586	-0.24	-20.59	4.44
2360	31.97	-0.43	20.16	11.809	-0.43	-21.58	4.52
2365	34.05	-0.09	21.493	12.561	-0.09	-21.91	4.59
2370	41.83	0.93	26.387	15.443	0.93	-21.24	4.72
2375	44.25	1.25	27.791	16.459	1.25	-21.56	4.79
2380	41.18	0.98	25.739	15.438	0.98	-21.54	4.83
2385	40.37	0.93	25.127	15.244	0.93	-21.04	4.87
2390	37.27	0.59	23.117	14.154	0.59	-21.3	4.88
2395	38.11	0.71	23.54	14.568	0.71	-20.48	4.9
2400	42.81	1.22	26.327	16.479	1.22	-19.79	4.9

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2405	41.03	1.08	25.145	15.882	1.08	-19.83	4.95
2410	39.07	0.89	23.877	15.195	0.89	-19.6	4.97
2415	41.1	1.09	25.055	16.041	1.09	-19.25	4.95
2420	39.16	0.89	23.875	15.281	0.89	-19.19	4.96
2425	37.55	0.71	22.91	14.639	0.71	-19.09	4.97
2430	40.86	1.08	24.976	15.884	1.08	-18.51	4.97
2435	42.94	1.29	26.302	16.636	1.29	-18.46	4.96
2440	43.13	1.3	26.504	16.622	1.3	-18.63	4.95
2445	40.69	1.04	25.073	15.612	1.04	-19.16	4.94
2450	31.64	-0.1	19.568	12.071	-0.1	-20.4	4.9
2455	28.29	-0.62	17.537	10.755	-0.62	-21.21	4.86
2460	34.66	0.23	21.559	13.103	0.23	-20.6	4.83
2465	39.58	0.73	24.66	14.915	0.73	-20.09	4.76
2470	35.84	0.26	22.338	13.504	0.26	-20.59	4.72
2475	35.41	0.17	22.085	13.32	0.17	-20.46	4.68
2480	31.32	-0.4	19.553	11.763	-0.4	-20.92	4.65
2485	27.58	-0.98	17.219	10.358	-0.98	-21	4.62
2490	27.36	-1.02	17.096	10.261	-1.02	-20.58	4.61
2495	24.02	-1.6	15.021	8.998	-1.6	-20.63	4.6
2500	22.09	-1.96	13.81	8.284	-1.96	-20.76	4.6
2505	25.23	-1.41	15.762	9.471	-1.41	-20.22	4.58
2510	26.28	-1.25	16.414	9.864	-1.25	-20.06	4.55
2515	22.15	-1.99	13.815	8.331	-1.99	-20.56	4.56
2520	21.42	-2.19	13.362	8.057	-2.19	-20.48	4.51
2525	21.43	-2.17	13.393	8.041	-2.17	-20.38	4.51
2530	19	-2.68	11.872	7.133	-2.68	-20.7	4.53
2535	20.37	-2.36	12.732	7.643	-2.36	-20.31	4.55
2540	22.62	-1.92	14.14	8.48	-1.92	-19.68	4.54
2545	17.04	-3.13	10.666	6.37	-3.13	-20.8	4.56
2550	15.36	-3.63	9.618	5.744	-3.63	-20.78	4.5
2555	18.95	-2.73	11.864	7.083	-2.73	-19.86	4.5
2560	18.32	-2.92	11.479	6.846	-2.92	-19.88	4.45
2565	15.42	-3.67	9.68	5.744	-3.67	-20.59	4.45
2570	17.11	-3.25	10.759	6.35	-3.25	-20.35	4.42
2575	19.9	-2.64	12.501	7.395	-2.64	-19.63	4.38
2580	19.32	-2.84	12.135	7.185	-2.84	-19.82	4.3
2585	16.96	-3.41	10.669	6.289	-3.41	-20.5	4.3
2590	14.54	-4.08	9.154	5.389	-4.08	-21.1	4.3
2595	13.51	-4.44	8.504	5.006	-4.44	-21.39	4.25
2600	14.17	-4.26	8.901	5.266	-4.26	-21.48	4.23
2605	14.82	-4.1	9.308	5.515	-4.1	-21.07	4.19
2610	14.24	-4.28	8.909	5.328	-4.28	-21.41	4.18
2615	13.76	-4.49	8.587	5.175	-4.49	-21.33	4.12
2620	14.71	-4.25	9.172	5.542	-4.25	-21.08	4.07
2625	14.97	-4.26	9.312	5.661	-4.26	-21.18	3.99
2630	14.07	-4.57	8.748	5.325	-4.57	-21.36	3.95

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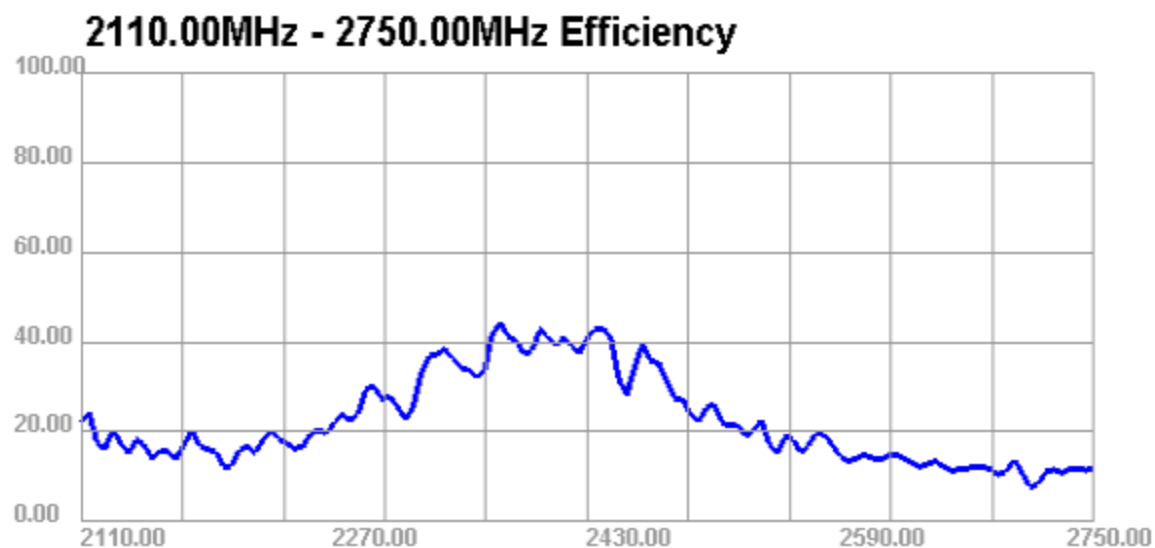
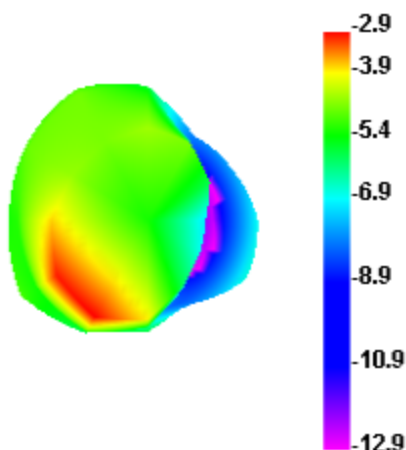
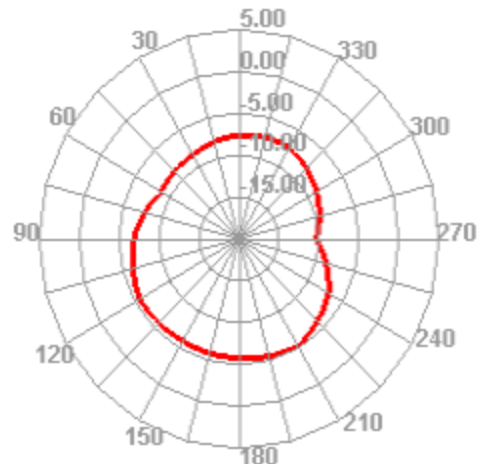
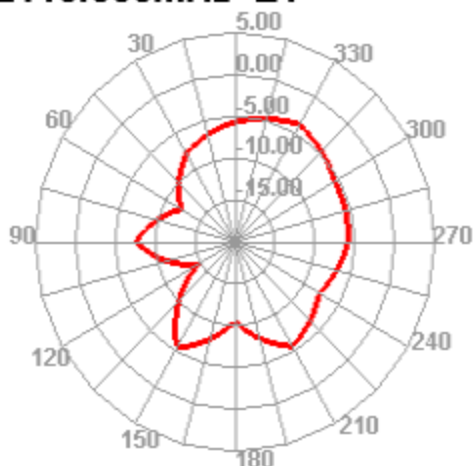
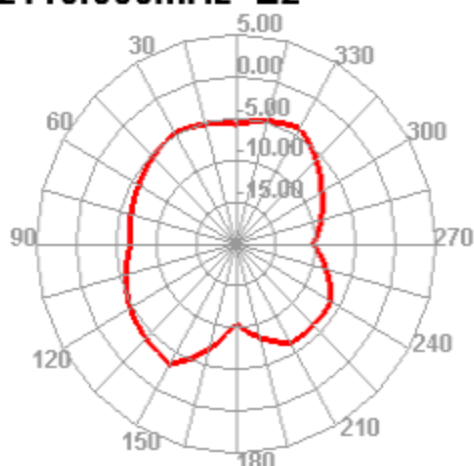
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2635	13.1	-5	8.134	4.963	-5	-21.55	3.83
2640	12.29	-5.36	7.607	4.684	-5.36	-22.05	3.74
2645	12.82	-5.27	7.919	4.902	-5.27	-21.87	3.65
2650	13.52	-5.08	8.369	5.151	-5.08	-21.72	3.61
2655	12.36	-5.58	7.627	4.731	-5.58	-21.95	3.5
2660	11.37	-5.98	7.019	4.347	-5.98	-22.48	3.47
2665	11.61	-5.97	7.164	4.442	-5.97	-22.46	3.38
2670	11.96	-5.85	7.383	4.576	-5.85	-22.52	3.37
2675	12.03	-5.86	7.418	4.608	-5.86	-22.12	3.34
2680	12.25	-5.88	7.554	4.695	-5.88	-21.85	3.24
2685	11.67	-6.11	7.199	4.472	-6.11	-22.38	3.22
2690	10.45	-6.57	6.42	4.028	-6.57	-22.37	3.24
2695	11.32	-6.14	6.941	4.381	-6.14	-22.16	3.32
2700	13.91	-5.16	8.527	5.382	-5.16	-21.22	3.4
2705	10.63	-6.32	6.51	4.125	-6.32	-22.42	3.41
2710	7.79	-7.62	4.754	3.035	-7.62	-23.55	3.47
2715	8.4	-7.25	5.117	3.284	-7.25	-22.62	3.51
2720	11.15	-6	6.777	4.372	-6	-21.88	3.53
2725	11.65	-5.77	7.045	4.6	-5.77	-21.73	3.57
2730	10.93	-5.97	6.588	4.339	-5.97	-21.76	3.64
2735	11.83	-5.63	7.098	4.733	-5.63	-21.43	3.64
2740	11.98	-5.58	7.152	4.827	-5.58	-21.84	3.63
2745	11.43	-5.69	6.805	4.627	-5.69	-21.95	3.73
2750	12.11	-5.44	7.173	4.932	-5.44	-21.19	3.73



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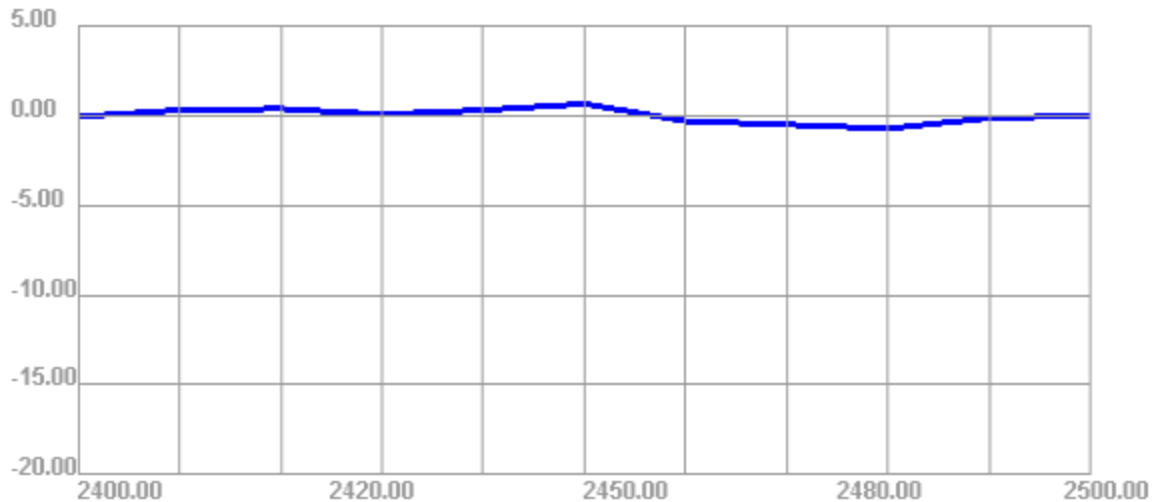
**2110.000MHz****2110.000MHz H****2110.000MHz E1****2110.000MHz E2**

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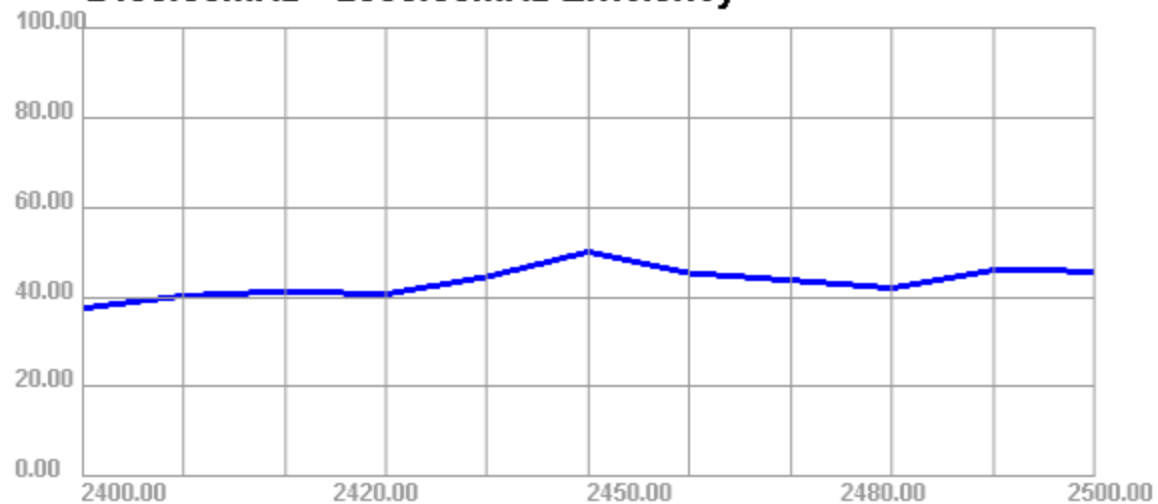
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Passive Test For WIFI2.4G							
Freq (MHz)	Effi (%)	Gain (dBi)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)
2400	37.51	-0.07	16.28	21.227	-0.07	-24.12	4.19
2410	40.3	0.3	17.528	22.768	0.3	-25.11	4.25
2420	41.26	0.37	18.087	23.17	0.37	-25.25	4.22
2430	40.69	0.07	17.797	22.89	0.07	-23.78	3.97
2440	44.53	0.3	19.738	24.788	0.3	-20.39	3.81
2450	50.07	0.64	22.793	27.278	0.64	-17.39	3.65
2460	45.35	-0.31	21.244	24.104	-0.31	-16.07	3.12
2470	43.75	-0.51	20.927	22.82	-0.51	-16.09	3.08
2480	42.02	-0.73	20.645	21.374	-0.73	-15.71	3.04
2490	45.95	-0.15	23.264	22.69	-0.15	-14.37	3.23
2500	45.77	-0.01	23.615	22.156	-0.01	-13.56	3.39

2400.00MHz - 2500.00MHz Gain



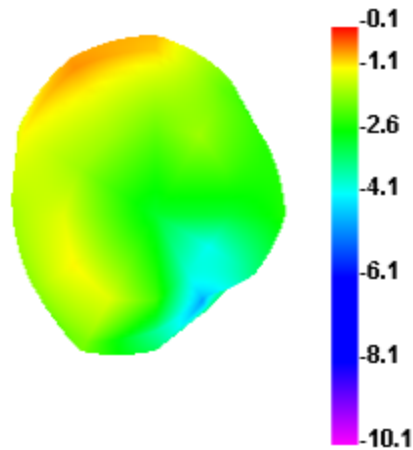
2400.00MHz - 2500.00MHz Efficiency



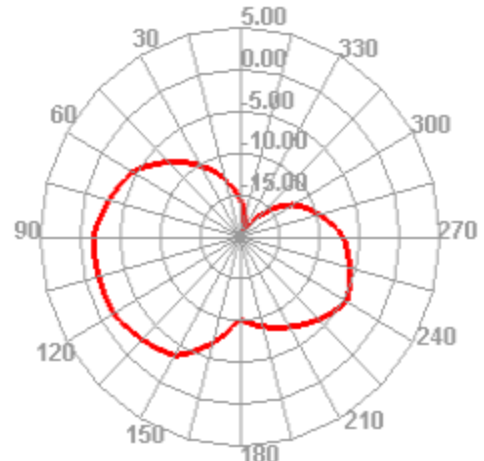
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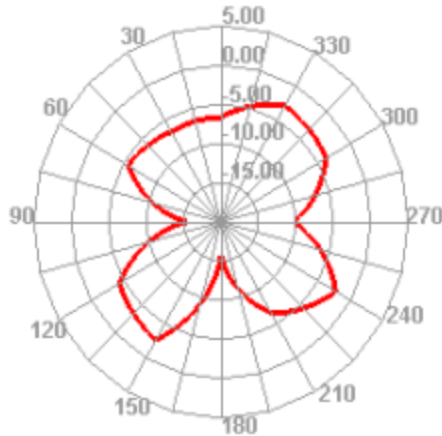
2400.000MHz



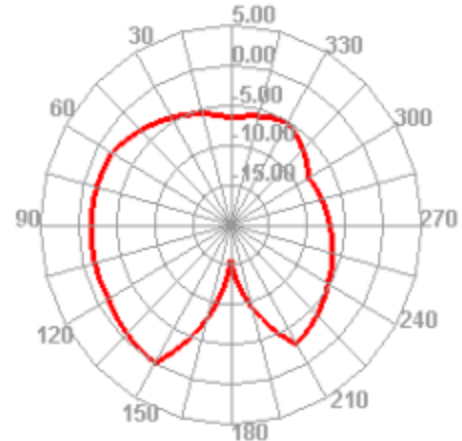
2400.000MHz H



2400.000MHz E1



2400.000MHz E2

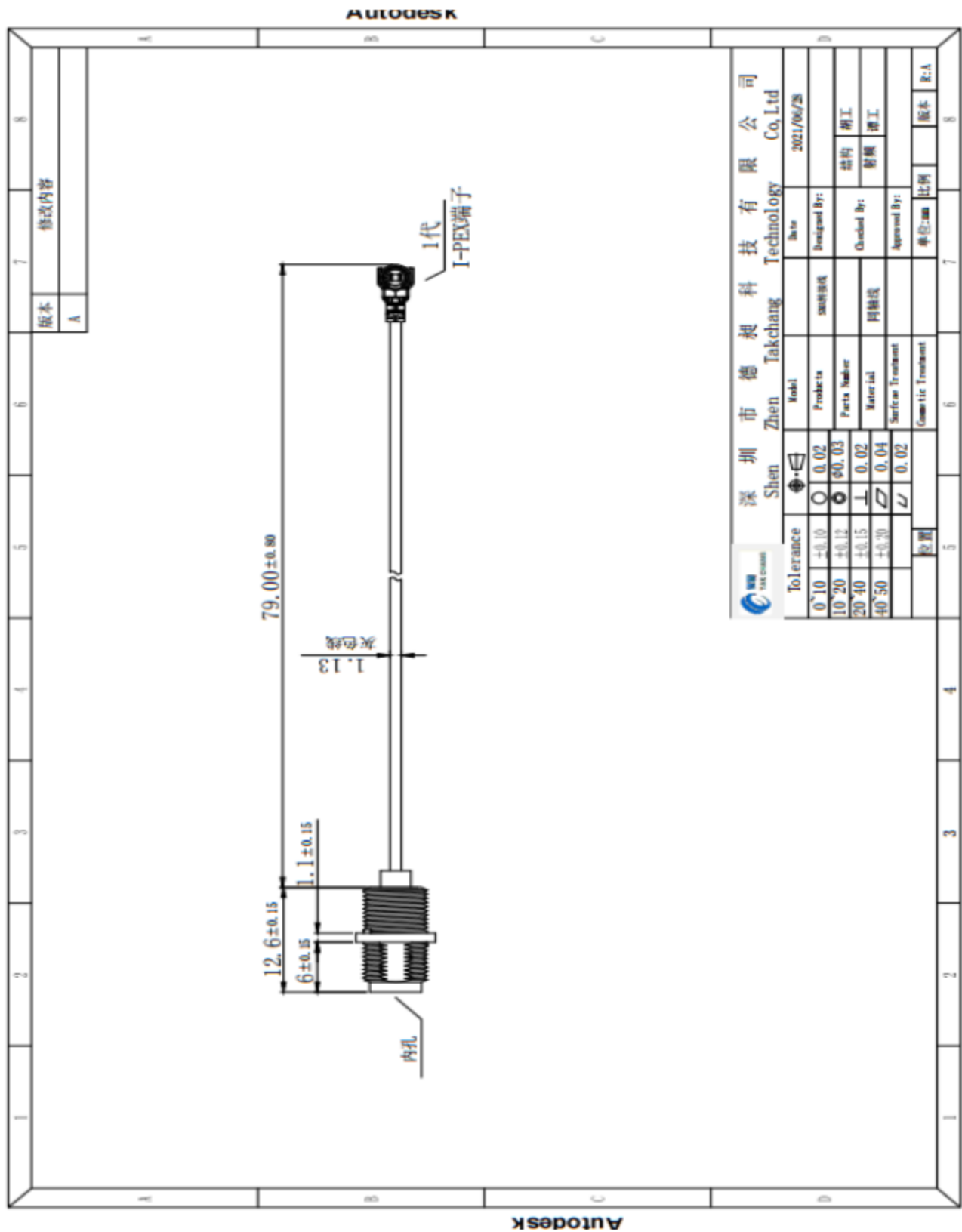


Passive Test For WIFI5.8							
Freq (MHz)	Effi (%)	Gain (dBi)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Directivity (dBi)
5150	11.83	-3.98	6.039	5.788	-3.98	-18.84	5.29
5200	8.89	-5.62	4.406	4.484	-5.62	-19.63	4.89
5250	8.61	-4.77	4.126	4.485	-4.77	-22.97	5.88
5300	8.04	-4.36	3.611	4.424	-4.36	-33.02	6.59
5350	11.56	-2.22	4.778	6.78	-2.22	-24.34	7.15
5400	10.7	-2.59	4.231	6.469	-2.59	-19.64	7.12
5450	9.79	-2.69	3.766	6.021	-2.69	-19.88	7.4
5500	12.33	-1.13	4.575	7.752	-1.13	-19.32	7.96
5550	14.96	-0.14	5.38	9.582	-0.14	-19.24	8.11
5600	15.85	0.29	5.535	10.32	0.29	-20.03	8.28
5650	18.26	1.03	6.243	12.014	1.03	-20.37	8.42
5700	21.2	1.43	7.473	13.73	1.43	-17.16	8.16
5750	21.02	1.09	7.591	13.425	1.09	-16.22	7.86
5800	23.27	0.8	8.462	14.807	0.8	-17.94	7.14
5850	24.43	0.16	9.131	15.304	0.16	-17.62	6.28

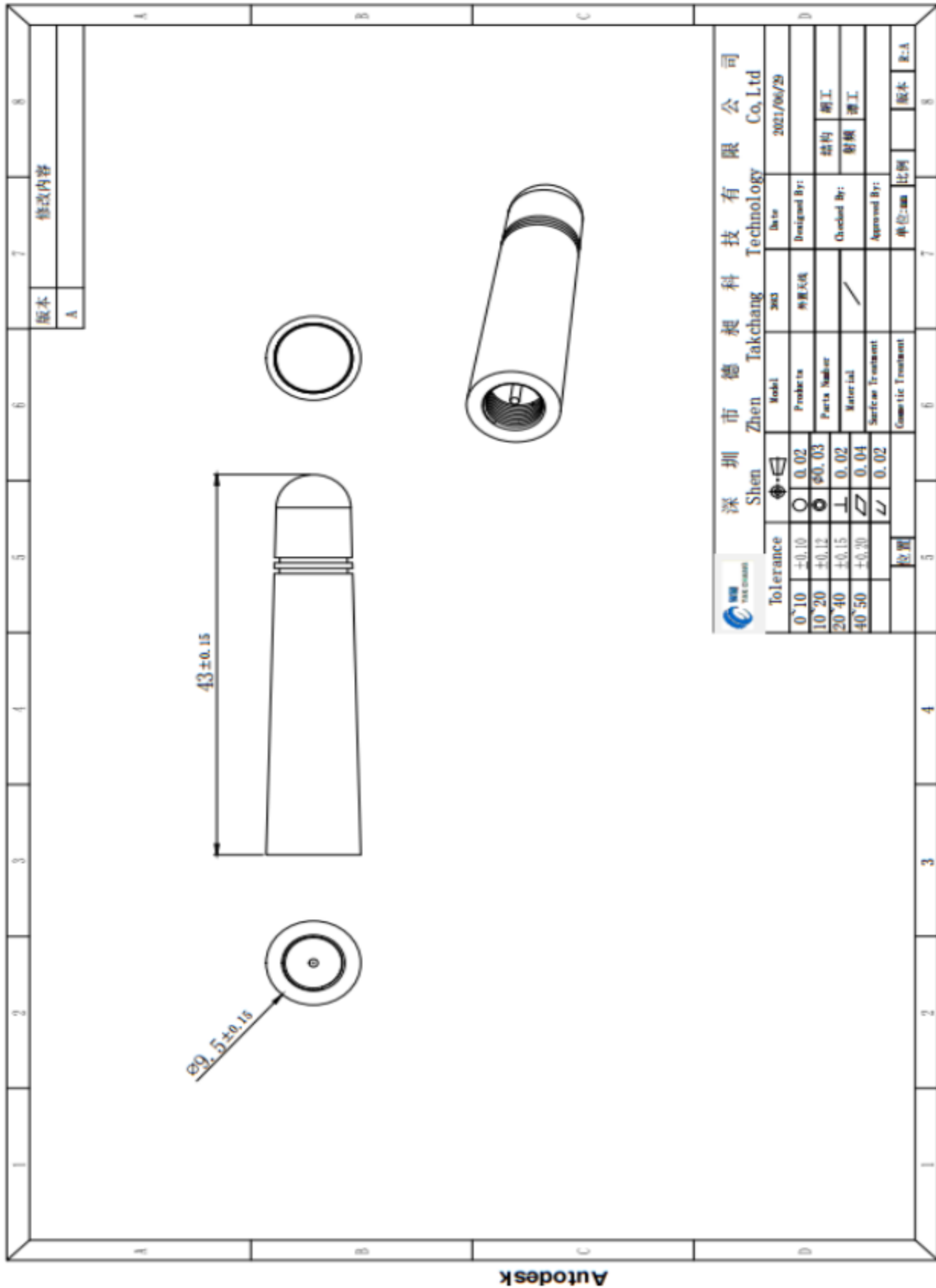
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4. WIFI+4G antenna structure diagram file



Autodesk



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三、Packaging & Storage

Universal PE bag packaging; Storage temperature: 5 ° C -35 ° C. Storage humidity: 60% -80%

四、Conclusion

This antenna is designed on the prototype currently provided by the customer, and the electrical parameters and structural dimensions have met the technical requirements. Please confirm!

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