

Antenna

YECT003AA Datasheet

Antenna Services

Version: 1.0

Date: 2022-07-04

Status: Preliminary



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About the Document

Revision History

Version	Date	Author	Note
-	2022-07-04	Kenny YIN/ Aria CHU	Creation of the document
1.0	2022-07-04	Kenny YIN/ Aria CHU	First official release

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1 Product Description

The antenna is designed for superior performance, and can be widely used for wireless applications.

We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

2 Product Features

- 600-6000MHz
- High efficiency
- Excellent performance



3 Product Specifications

Passive Electrical Specifications

Frequency Range	600–6000 MHz
Input Impedence	50 Ω
VSWR	≤ 6.0
Gain	≤ 4.5 dBi
Polarization Type	Linear

Detailed Passive Electrical Specifications

Frequency Range (MHz)	600–960	1176–1280	1400–1610	1710–2170	2170–2690	3400–3800	4000–5000	5000–6000
VSWR (Max.)	2.74	-	-	2.56	3.48	5.86	3.63	4.70
Average Efficiency (%)	63.32	-	-	54.30	40.73	10.71	28.68	22.15
Max. Peak Gain (dBi)	1.57	-	-	1.46	2.32	-0.55	3.32	2.70

Mechanical Specifications

Antenna Size	113 mm x Φ 10 mm
Casing	TPEE
Connector Type	SMA Male (Center Pin)
Working Temperature	-40 °C to +85°C
Radome Color	Black

4 Overall Performance

4.1. Test Environment

- KEYSIGHT ENA Network Analyzer E5063A 100 kHz – 8.5 GHz
- RayZone®2800 Chamber 5G (FR1) SISO/MIMO, 600 MHz – 8.5 GHz



4.2. Detailed data

Frequency(MHz)	Peak Gain(dBi)	Efficiency(%)	VSWR				
				730	1.00466999	72.43392022	1.961407
				740	1.154516307	72.38084807	2.022482
600	1.332176984	71.06522696	1.627728	750	1.294554022	72.09661075	2.076209
610	1.572519843	73.04082619	1.441536	760	1.260912644	69.40608722	2.091905
620	1.556315242	73.2278943	1.282498	770	1.454638981	69.67456853	2.172744
630	1.493826102	74.27254382	1.142218	780	1.468977897	68.87065148	2.282169
640	1.279811883	73.41183279	1.009395	790	1.18294366	64.13052096	2.38391
650	1.10325478	71.75662969	1.114869	800	1.049602159	63.81693426	2.435722
660	0.831851818	71.67957968	1.241027	810	0.684405462	60.87299534	2.436404
670	0.276573	68.99894777	1.344763	820	0.124113693	56.08482924	2.450064
680	0.239387055	69.21813565	1.461211	830	-0.144978847	54.01077684	2.506162
690	0.351189227	69.64179507	1.581949	840	-0.428824578	51.50067061	2.479386
700	0.765582051	71.69186909	1.714843	850	-0.495396368	49.98011455	2.486839
710	0.971816352	73.73571839	1.805141	860	-0.341764737	50.27512093	2.50207
720	0.974726371	74.04460069	1.887751	870	-0.1207411	50.56721849	2.485248

880	-0.108362424	50.29577682	2.474406	1030	0.916695202	65.02857083	2.388151
890	0.180586427	52.17978253	2.443356	1040	0.925398335	65.63977286	2.321087
900	0.244754097	53.38248832	2.458815	1050	0.726379794	63.63343613	2.294762
910	0.168277289	54.02354711	2.499147	1060	0.682075147	63.10242592	2.269998
920	0.256428485	55.50729644	2.530257	1070	0.404084255	59.9853457	2.248888
930	0.000558366	54.55834629	2.553778	1080	0.341604626	60.14914242	2.255004
940	-0.344166089	54.41677241	2.589506	1090	0.450901583	59.75262748	2.277122
950	-0.478260085	53.59973338	2.688058	1100	0.139375853	57.44133977	2.300061
960	-0.564120779	52.91194707	2.740502	1110	0.041817202	57.76649387	2.354658
970	-0.470845289	53.11830296	2.752946	1120	-0.170123103	55.02976681	2.381433
980	-0.522734773	52.56306436	2.789503	1130	-0.201851062	55.19083401	2.421435
990	-0.313493447	53.23735945	2.724908	1140	-0.0986722	55.04030477	2.438598
1000	0.167294733	57.13275728	2.639805	1150	0.005557697	55.8471809	2.43532
1010	0.708828965	63.61924269	2.543896	1160	0.165071333	57.30377223	2.442146
1020	0.874982832	64.67888494	2.439438	1170	0.205546138	57.71511151	2.411013

1180	0.179426765	57.44434063	2.370663	1330	0.774450716	59.5238595	1.806856
1190	0.190220748	57.66813537	2.324238	1340	1.000718785	60.46565576	1.76028
1200	0.195638292	58.13308757	2.299697	1350	0.941988054	60.10687187	1.722944
1210	0.06156598	56.86063727	2.290973	1360	1.009267378	60.87421444	1.702621
1220	-0.003814124	56.8596552	2.255644	1370	0.852710666	61.21786053	1.690661
1230	0.231919104	57.77941867	2.247382	1380	0.955484686	62.07903476	1.675787
1240	0.166049059	56.73486022	2.251103	1390	0.77079061	61.48934946	1.661911
1250	0.129207763	57.06914383	2.244595	1400	0.875433172	61.88099085	1.629762
1260	0.094139175	57.70146763	2.197096	1410	1.051902268	63.52534631	1.586568
1270	0.135698382	57.81183172	2.142791	1420	0.94782987	61.50009962	1.536325
1280	0.056683629	56.53726266	2.114267	1430	1.051517408	61.98219063	1.525256
1290	0.241110225	58.03446614	2.058273	1440	1.008438241	62.08580543	1.494145
1300	0.35087047	58.0196163	1.984671	1450	0.93518271	62.26966752	1.470567
1310	0.549331472	58.82282807	1.904923	1460	0.874795852	63.36415104	1.463046
1320	0.763718332	59.82795076	1.83388	1470	0.59721087	62.18616028	1.451822

1480	0.785398512	61.68885091	1.467481	1630	1.260279385	52.09779454	1.896971
1490	0.914423531	60.70519576	1.464061	1640	1.228506938	49.87201673	1.955243
1500	1.118907709	61.30983621	1.484313	1650	1.346532615	50.2566915	2.006045
1510	1.129877836	58.84189456	1.500541	1660	1.34183779	49.28932506	2.079459
1520	1.112779075	60.31621857	1.517188	1670	1.312753102	48.57349006	2.143615
1530	1.30932193	61.11992638	1.517156	1680	1.201698887	48.66004426	2.206047
1540	1.341049174	58.55417664	1.494718	1690	0.953722994	47.39398848	2.263555
1550	1.579037741	59.37506862	1.505152	1700	0.771335224	46.15834406	2.344384
1560	1.683813361	60.01318148	1.524787	1710	0.536131098	45.29898247	2.443799
1570	1.191698898	57.15759158	1.548022	1720	0.372841351	44.84666084	2.448631
1580	1.005004467	53.95990488	1.578338	1730	0.319678082	44.68123241	2.486134
1590	1.064872703	55.88623543	1.64375	1740	0.3902611	45.59431799	2.545656
1600	0.873401296	53.23612746	1.698783	1750	0.396641257	44.90613536	2.561115
1610	0.950734764	52.29924646	1.773413	1760	0.404821503	44.31033923	2.563437
1620	1.25417762	53.99113374	1.848281	1770	0.388941681	44.50904013	2.540603

1780	0.258784982	43.76612043	2.504425	1930	1.141261096	60.92477641	1.499686
1790	0.140493483	43.28705398	2.491512	1940	1.293065913	63.06375659	1.403862
1800	0.1033236	44.18588135	2.478987	1950	1.364815989	64.60276679	1.336067
1810	0.186186514	44.98142511	2.413323	1960	1.365866391	65.49915954	1.272826
1820	0.246822924	46.03114449	2.384642	1970	1.461773074	66.72434091	1.221937
1830	0.193083351	46.48981843	2.373488	1980	1.451026036	66.99313964	1.205806
1840	0.106234456	47.15699993	2.295784	1990	1.436241948	67.39766147	1.220971
1850	-0.016544191	46.94181147	2.248305	2000	1.373755695	66.472911	1.244101
1860	0.053511061	48.24475362	2.187587	2010	1.389434703	67.06478976	1.306416
1870	0.092982578	49.50349809	2.11303	2020	1.223789723	64.76834677	1.397093
1880	0.257400714	51.91877096	2.025752	2030	1.315633504	66.76252644	1.495219
1890	0.358049209	53.07917303	1.946652	2040	1.379112813	67.33240775	1.596703
1900	0.603132633	55.4901705	1.82985	2050	1.255064608	64.12153818	1.713513
1910	0.979421472	58.82662476	1.706386	2060	1.204633055	61.85040667	1.844446
1920	1.080329481	60.07138832	1.591024	2070	1.055332304	58.93023818	1.952417

2080	0.878632307	56.57244019	2.038012	2230	0.361257698	42.89882525	2.580648
2090	0.742045979	54.86021881	2.120845	2240	0.317036607	42.75766228	2.581517
2100	0.747102792	54.94624552	2.169005	2250	0.265571643	42.80026765	2.602392
2110	0.714290011	54.38972783	2.211482	2260	0.148233534	42.01566836	2.594778
2120	0.698834001	53.61414654	2.261198	2270	0.294533393	41.87431923	2.581974
2130	0.585253453	52.13873579	2.297201	2280	0.303642928	41.67103413	2.60975
2140	0.377621924	50.40994617	2.328716	2290	0.250938962	40.66506725	2.658431
2150	0.313348971	50.01342096	2.351216	2300	0.38262551	40.99102396	2.715863
2160	0.311843477	49.04844956	2.397008	2310	0.4191951	41.14329734	2.790714
2170	0.309176362	47.64290357	2.443373	2320	0.288576668	40.17925201	2.867133
2180	0.4063957	47.51573399	2.48168	2330	0.077139865	38.59494213	2.924493
2190	0.429729534	45.37258942	2.525234	2340	-0.003789317	37.81191718	3.029063
2200	0.433590795	44.50306035	2.54656	2350	-0.137843485	36.40206526	3.088536
2210	0.506687284	44.31576746	2.583273	2360	-0.152291976	36.40914421	3.106976
2220	0.467971972	43.1391399	2.597655	2370	-0.084608969	36.67713949	3.168981

2380	-0.121647328	37.01029082	3.228871	2530	0.328671419	38.72285361	2.845811
2390	-0.28435928	36.02221952	3.251054	2540	0.418449544	39.15700528	2.718481
2400	-0.592461378	34.26417633	3.293014	2550	0.658803309	41.06546606	2.656598
2410	-0.631090684	33.22111187	3.32116	2560	0.880591863	42.87661718	2.567266
2420	-0.779419879	31.67017505	3.376908	2570	1.025389132	43.3794456	2.457377
2430	-0.597424714	32.36876025	3.445899	2580	1.16949574	44.35838688	2.364392
2440	-0.365624904	33.24639092	3.451247	2590	1.41871334	45.98043071	2.288795
2450	-0.329820138	32.57555085	3.481045	2600	1.584301605	46.61836579	2.196169
2460	-0.311672113	33.12741321	3.477842	2610	1.899969423	48.32703818	2.100633
2470	-0.283267326	32.90492033	3.475191	2620	2.107411622	49.63364934	1.989125
2480	-0.198280652	33.33037068	3.401837	2630	2.254318535	49.46873808	1.931752
2490	-0.142537442	34.37037146	3.306722	2640	2.271661985	48.78797175	1.93379
2500	0.067756378	36.54648786	3.205425	2650	2.322343999	48.16272739	1.933447
2510	0.132625087	37.14909917	3.098447	2660	2.219810746	47.05375429	1.965316
2520	0.27361544	38.20359278	2.977842	2670	2.105521609	45.42649307	2.045113

2680	2.051742023	44.63240676	2.14507	2830	0.518822287	34.40461557	3.039479
2690	1.974592404	43.8853277	2.261436	2840	0.509563461	34.85598151	2.995567
2700	1.748392712	42.23657896	2.361133	2850	0.597330498	35.00526121	2.994056
2710	1.671938676	41.17083867	2.43227	2860	0.690912136	35.29397049	2.950411
2720	1.562827966	40.56510903	2.513584	2870	0.787583224	36.03731675	2.909829
2730	1.424851945	38.93116839	2.637542	2880	1.193714459	38.62730368	2.856917
2740	1.403067355	38.23934038	2.670697	2890	1.184597582	38.58614164	2.768969
2750	1.426278762	38.06555665	2.696587	2900	1.31384685	39.36483102	2.720084
2760	1.333756749	37.32553237	2.777836	2910	1.518517731	41.39550488	2.695671
2770	1.2425103	36.32645669	2.817933	2920	1.573673085	41.14851877	2.616974
2780	1.161678819	35.48182585	2.877692	2930	1.805370823	43.04686688	2.488061
2790	1.032162794	34.89755307	2.929115	2940	2.218062422	47.00601496	2.450513
2800	0.797706087	33.40885172	2.954251	2950	2.44269085	49.8001668	2.383394
2810	0.843817437	34.67105331	2.98108	2960	2.65720946	50.9695423	2.249159
2820	0.69783294	34.78760252	3.047099	2970	2.920078661	54.45263662	2.154379

2980	3.120820188	56.22611445	2.058484	3130	4.310797566	65.73843838	1.669177
2990	3.220169685	57.41548228	1.933701	3140	4.198535051	63.33140818	1.76511
3000	3.584209926	62.46552341	1.844442	3150	3.960031049	60.9002706	1.863932
3010	3.59579148	63.102999	1.70076	3160	3.911450662	60.01438723	1.922156
3020	3.746862113	64.76212415	1.596258	3170	3.8079739	57.60491755	1.998277
3030	4.100956158	68.40374925	1.543235	3180	3.741970417	55.50743852	2.071972
3040	4.29561662	70.62902063	1.454105	3190	3.450235338	52.52245938	2.120162
3050	4.343745319	70.11087151	1.381797	3200	3.319311349	51.44670663	2.183718
3060	4.5205304	71.96712411	1.365928	3210	3.155504042	49.51287218	2.243597
3070	4.546314899	72.21054809	1.359206	3220	2.919368209	47.97356463	2.280805
3080	4.403399988	70.15570083	1.352555	3230	2.802302499	47.12161644	2.341356
3090	4.51161128	73.17846388	1.398766	3240	2.521591558	44.63216905	2.404401
3100	4.32073066	71.24932086	1.449252	3250	2.319630343	42.65821529	2.437237
3110	4.403832106	70.06054644	1.514993	3260	2.180769152	41.68838681	2.485521
3120	4.328239749	67.12926617	1.603524	3270	2.092226916	40.84163348	2.538831

3280	1.846505358	38.33393487	2.577517	3430	-1.206084748	18.67288562	3.377743
3290	1.795494007	37.81187898	2.60015	3440	-1.447656531	17.83726628	3.460367
3300	1.693987437	36.48479646	2.637372	3450	-1.502435209	17.175575	3.559844
3310	1.407189318	34.01214557	2.653947	3460	-1.896076626	16.38199376	3.694497
3320	1.340381806	33.74354493	2.666742	3470	-2.269655172	15.09782179	3.811801
3330	1.11695845	32.73136008	2.701187	3480	-2.525776634	14.19688101	3.938331
3340	0.93710627	31.26007744	2.719069	3490	-2.698340042	13.78258017	4.098677
3350	0.63150719	29.48355787	2.754368	3500	-2.878852262	13.24149178	4.254079
3360	0.455762601	28.27444235	2.805488	3510	-2.863155301	12.92615965	4.405533
3370	0.158650883	26.63527624	2.865439	3520	-3.050285266	12.3811136	4.583469
3380	-0.06357121	25.10374404	2.924341	3530	-3.165945213	11.88840521	4.743592
3390	-0.247138191	23.89973669	3.012294	3540	-3.420383793	11.01936765	4.903839
3400	-0.547717381	22.57443502	3.098463	3550	-3.651680189	10.51921113	5.066015
3410	-0.837635535	20.61323813	3.17142	3560	-3.826650572	10.06478628	5.210895
3420	-1.004267693	19.38208631	3.270917	3570	-3.991841535	9.749608382	5.322155

3580	-4.05337655	9.523945464	5.433272	3730	-5.711625678	6.835931242	5.86396
3590	-4.485752721	8.947462424	5.524482	3740	-6.124275367	6.7221003	5.845551
3600	-4.603615153	8.607389892	5.590478	3750	-5.996278605	6.743815567	5.788157
3610	-4.897667669	8.065330408	5.621653	3760	-6.137348504	7.00747229	5.689057
3620	-4.977218726	7.934652959	5.65082	3770	-6.210707122	6.878309781	5.570654
3630	-5.203045878	7.76572715	5.650135	3780	-6.251754208	7.056114338	5.430561
3640	-5.07648864	7.714083865	5.665046	3790	-6.217897006	7.280906772	5.248427
3650	-5.297858482	7.340771169	5.670535	3800	-6.097106282	7.619067939	5.099247
3660	-5.372456372	7.305362851	5.674252	3810	-6.012910757	7.843457112	4.954742
3670	-5.455397638	7.29726569	5.691804	3820	-5.947836778	8.03831953	4.791066
3680	-5.653223663	6.955879947	5.74293	3830	-6.028992109	8.264833766	4.655435
3690	-5.628903749	7.160608878	5.776208	3840	-6.110065379	8.551389683	4.529885
3700	-5.470842409	7.084165557	5.802281	3850	-5.909922593	8.766582371	4.375281
3710	-5.558927225	6.887147313	5.846285	3860	-5.977441247	8.862478172	4.225742
3720	-5.715501896	6.876794432	5.864199	3870	-5.634693859	9.684480138	4.082636

3880	-5.69875855	9.956478525	3.904878	4030	-1.172852711	26.46506913	1.911261
3890	-5.542628087	10.2588659	3.723612	4040	-0.999515667	26.65493079	1.889714
3900	-5.39300401	10.96490059	3.55413	4050	-0.530895087	29.41194545	1.901355
3910	-5.306201657	11.49455272	3.358956	4060	-0.007799914	32.17114276	1.9417
3920	-5.200140315	12.03806143	3.163431	4070	0.24806685	32.74808392	1.981575
3930	-4.819774569	13.36399582	2.999199	4080	0.512858115	34.54072108	2.026611
3940	-4.448975179	14.74503981	2.825512	4090	1.006907291	36.69702175	2.102311
3950	-4.205919304	15.10863013	2.666257	4100	1.359632819	37.95683026	2.153148
3960	-3.627994443	16.86868697	2.542154	4110	1.56350041	38.0926109	2.187097
3970	-3.53557354	17.54199378	2.405792	4120	1.858641746	40.7512296	2.237164
3980	-3.196368734	18.74000969	2.278013	4130	2.137380757	40.83483445	2.263261
3990	-2.693912061	20.70951375	2.179848	4140	2.257385045	41.58910704	2.26346
4000	-2.229373517	22.08589106	2.091122	4150	2.56377362	43.74749729	2.281135
4010	-1.939479368	22.96413502	1.999612	4160	2.610732519	43.95199184	2.271729
4020	-1.632533289	24.5630439	1.938524	4170	2.864584022	44.7354508	2.245624

4180	3.096644323	45.57846881	2.243145	4320	2.779118092	52.38707626	1.754035
4190	3.132052142	46.75107933	2.212906	4330	2.683863622	53.97096778	1.692304
4200	3.175505291	46.11566763	2.174642	4340	2.595943719	54.92862967	1.611855
4210	3.321257415	47.16028297	2.166523	4350	2.291105204	55.22955618	1.532337
4220	3.143650286	47.03678172	2.144874	4360	1.987342435	55.25283336	1.461487
4230	3.180883354	47.46001908	2.10349	4370	1.804215787	55.57420741	1.399833
4240	3.200458993	48.05642059	2.088704	4380	1.773176247	55.0320054	1.358928
4250	3.133686499	47.98428708	2.063581	4390	1.788108095	54.46824189	1.35583
4260	3.172609623	48.50976317	2.029885	4400	1.806355991	53.05350165	1.403101
4270	3.186788509	48.94349874	2.007592	4410	1.834051919	52.83593153	1.488997
4280	3.172093158	50.11342434	1.961917	4420	1.824213816	51.34260278	1.602123
4290	3.19075738	50.90740609	1.923739	4430	1.80886252	49.43922627	1.736977
4300	3.114830745	51.81571746	1.878991	4440	1.317702994	45.30162578	1.883364
4310	3.018995767	52.83972161	1.823782	4450	1.176498706	42.61884623	2.040521
4320	2.779118092	52.38707626	1.754035	4460	0.944337232	39.93981724	2.201877

4470	0.344769641	35.3481448	2.368644	4620	-4.22817122	11.64066856	3.636
4480	0.024751599	32.61252232	2.521438	4630	-4.334339767	11.22349228	3.632699
4490	-0.33284832	30.24578448	2.667274	4640	-4.515195678	10.95501549	3.605289
4500	-0.612724362	28.1807266	2.821592	4650	-4.603609068	11.01587159	3.569906
4510	-1.305597119	24.99920047	2.967428	4660	-4.578182257	10.39079517	3.516214
4520	-1.402543312	23.55824865	3.086732	4670	-4.693338142	9.76541764	3.437228
4530	-1.856261062	20.85491385	3.199389	4680	-4.855797212	9.855033795	3.355251
4540	-2.367422551	18.62880022	3.29805	4690	-4.713492284	9.714338592	3.261657
4550	-2.328767006	18.45562825	3.374329	4700	-4.730619881	9.831743634	3.155056
4560	-2.52459054	16.87747025	3.455324	4710	-4.850276683	9.302529033	3.050218
4570	-2.719098991	15.4288509	3.50642	4720	-4.910924459	9.413918731	2.949084
4580	-3.215263351	14.62591794	3.541339	4730	-4.946929006	9.173583868	2.846785
4590	-3.506147233	13.59788353	3.589828	4740	-4.847964175	9.27184522	2.752926
4600	-3.579303885	12.59410789	3.618996	4750	-4.591106961	9.511997456	2.664882
4610	-4.247526318	11.96640231	3.632541	4760	-4.811506593	9.320742785	2.58351

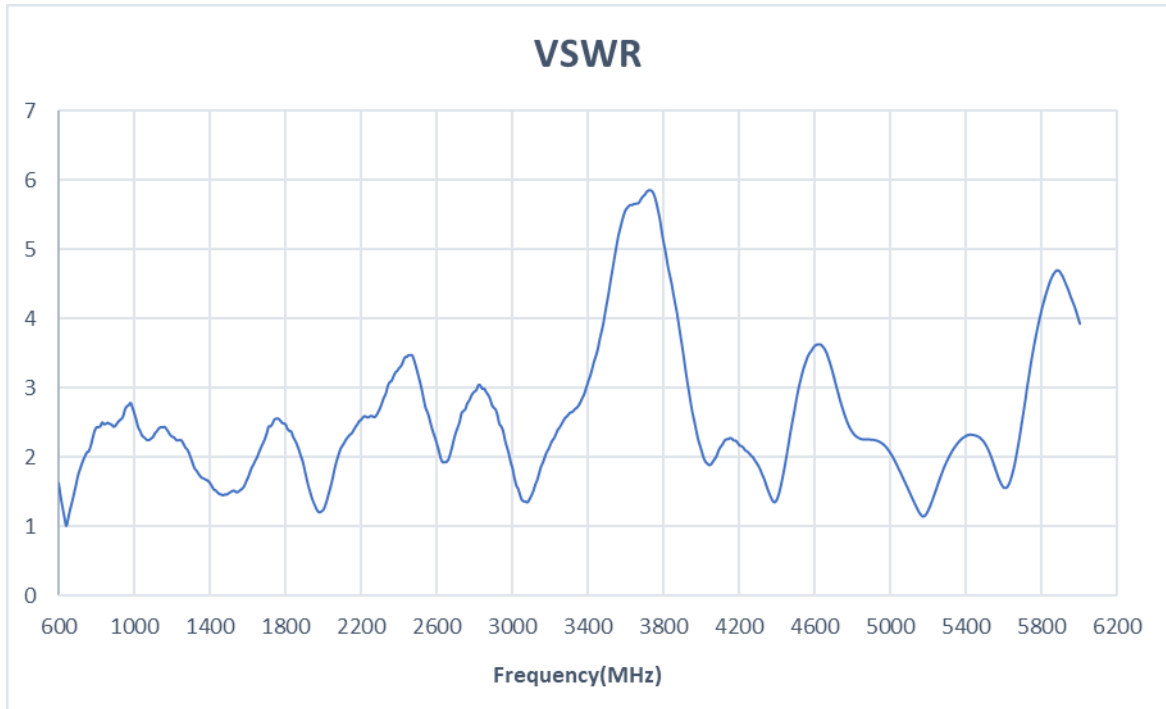
4770	-5.045390016	9.797499435	2.509805	4920	-2.309464919	16.07390066	2.248078
4780	-4.818260211	10.17859306	2.446913	4930	-1.840338494	17.11223173	2.239559
4790	-4.898721628	10.36193522	2.395651	4940	-1.545153794	17.8881591	2.227684
4800	-4.896152441	10.27272278	2.353441	4950	-1.672617541	18.19664054	2.210794
4810	-4.459543062	10.85201465	2.322143	4960	-1.334565985	19.19617679	2.190423
4820	-4.383797117	11.15486811	2.298414	4970	-0.988650112	20.24915626	2.165948
4830	-4.586488443	10.85742826	2.280939	4980	-0.624942513	21.56246623	2.134399
4840	-4.016731175	11.94393445	2.269905	4990	-0.452608386	22.29063021	2.09733
4850	-4.133141666	11.81410036	2.26275	5000	-0.001750056	23.75162123	2.055836
4860	-4.022658065	12.47457022	2.259854	5010	0.122178436	24.05862325	2.008141
4870	-3.595105068	13.074213	2.260452	5020	0.128736549	24.53544827	1.957416
4880	-3.296424213	13.82295829	2.258834	5030	0.347825439	24.91146348	1.903218
4890	-3.247071335	13.85860151	2.2576	5040	0.199569696	24.99091754	1.846633
4900	-2.873263755	14.9901197	2.256325	5050	0.202275174	25.18465423	1.789464
4910	-2.340062443	16.25597018	2.253091	5060	0.188989045	25.19769431	1.730088

5070	0.21246967	25.32874661	1.672157	5220	-2.224755559	21.42296401	1.382452
5080	-0.138715403	24.44813318	1.612075	5230	-2.280674214	21.36617418	1.458786
5090	0.104959729	25.47943887	1.55247	5240	-2.254083831	20.75860931	1.537391
5100	0.183970609	25.26869034	1.492286	5250	-2.023870801	20.93916317	1.61752
5110	-0.283044464	24.3549157	1.43159	5260	-1.706501847	20.85502666	1.69633
5120	-0.094150649	24.71378307	1.372784	5270	-1.680713507	20.51591587	1.770064
5130	-0.132655986	24.55230884	1.3134	5280	-1.31842835	20.8908464	1.842239
5140	-0.4640916	23.74554903	1.256435	5290	-1.260497779	20.66979559	1.906255
5150	-0.832998421	22.79776676	1.206058	5300	-1.3568233	21.10096132	1.961995
5160	-0.908445045	23.11780663	1.166936	5310	-1.003521594	21.62630322	2.019393
5170	-1.105916781	22.61723485	1.146725	5320	-0.540622093	22.41195293	2.070255
5180	-1.510500018	21.90775605	1.155415	5330	-0.563475458	22.46719019	2.115422
5190	-1.509090035	22.48726855	1.192136	5340	-0.449677367	22.40124623	2.156056
5200	-1.869858504	21.81241403	1.245668	5350	0.068168032	24.53990317	2.194569
5210	-2.251612942	21.55674619	1.310028	5360	0.191290946	24.20934282	2.226466

5370	0.353455778	24.29491117	2.255444	5520	2.389227119	38.17791499	2.083906
5380	0.823920423	26.7593999	2.279957	5530	2.560433505	38.03803252	2.014519
5390	0.987178784	27.46530799	2.297524	5540	2.703461859	38.31949515	1.939142
5400	0.992083466	27.26055463	2.314713	5550	2.617041281	37.72159509	1.859589
5410	1.052441107	28.29939849	2.323895	5560	2.645978036	36.87736918	1.780248
5420	1.423308898	31.26451037	2.330804	5570	2.451303668	35.99190963	1.700505
5430	1.296384874	30.04947622	2.327147	5580	2.330534813	35.3827704	1.636323
5440	1.621813704	31.26242014	2.323322	5590	1.975272454	32.94301091	1.588283
5450	1.731765705	33.30940603	2.31646	5600	1.817371137	31.94138616	1.557857
5460	1.691582324	33.78942233	2.305006	5610	1.63192014	30.21833585	1.557213
5470	1.732158098	34.29722961	2.288877	5620	1.405427648	28.2322197	1.586256
5480	1.982865424	36.17024078	2.262943	5630	1.162945897	26.33633761	1.64635
5490	2.130778674	36.69534034	2.234449	5640	0.990576603	24.31096153	1.731765
5500	2.178150668	36.93781031	2.190976	5650	0.709396021	23.36181415	1.83824
5510	2.426185299	38.3738474	2.144285	5660	0.3328057	21.68245351	1.970137

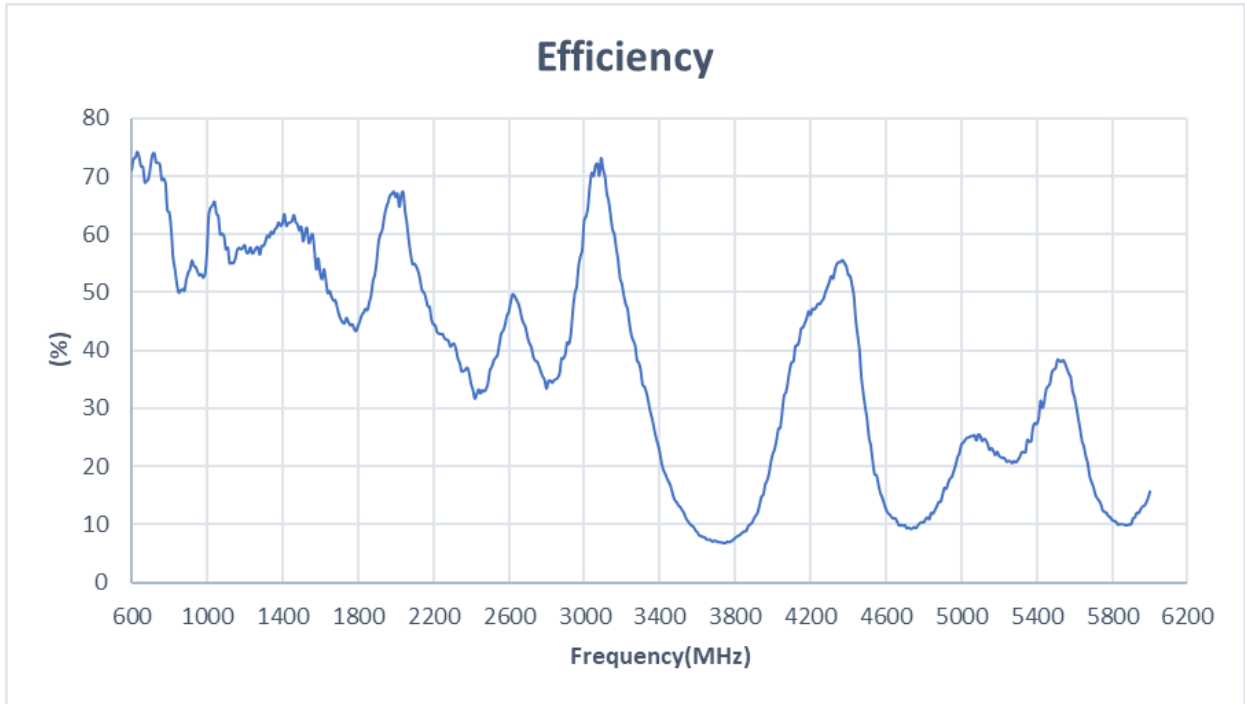
5670	0.179847294	20.51566878	2.116773	5840	-4.157958427	9.996963243	4.530941
5680	-0.390117529	18.35312069	2.274379	5850	-4.230651364	9.968395302	4.597643
5690	-0.746064217	17.30829839	2.447046	5860	-4.167025939	9.959837226	4.651546
5700	-1.015580987	16.46429549	2.62305	5870	-4.029246096	9.821036326	4.686485
5710	-1.421601957	15.16349829	2.802615	5880	-4.139495732	9.794552802	4.708344
5720	-1.823695195	14.4676533	2.991561	5890	-4.054468456	9.980720567	4.69821
5730	-1.796559031	14.07598546	3.164763	5900	-3.999902418	9.970965109	4.659721
5740	-2.092403042	13.40048934	3.33988	5910	-3.615712101	10.95863908	4.612956
5750	-2.657795659	12.34793388	3.503969	5920	-3.583969841	11.18264142	4.546164
5760	-2.504166998	12.10383262	3.656015	5930	-3.209588272	11.94055928	4.481485
5770	-2.390963159	11.96201028	3.789853	5940	-3.236700757	11.90989641	4.415948
5780	-2.945394184	11.37511828	3.924498	5950	-3.149464758	12.53675458	4.335304
5790	-3.110951385	11.18996414	4.043849	5960	-2.722845373	13.02023632	4.267362
5800	-3.516276729	10.70804813	4.159014	5970	-2.596079292	13.17662664	4.197858
5810	-3.605787444	10.55325309	4.262015	5980	-2.55050556	13.69983258	4.117254
5820	-3.675529016	10.42518056	4.358899	5990	-2.526616832	14.50997726	4.024239
5830	-4.004410861	9.936910491	4.445398	6000	-2.300366543	15.63251299	3.936582

4.3. VSWR



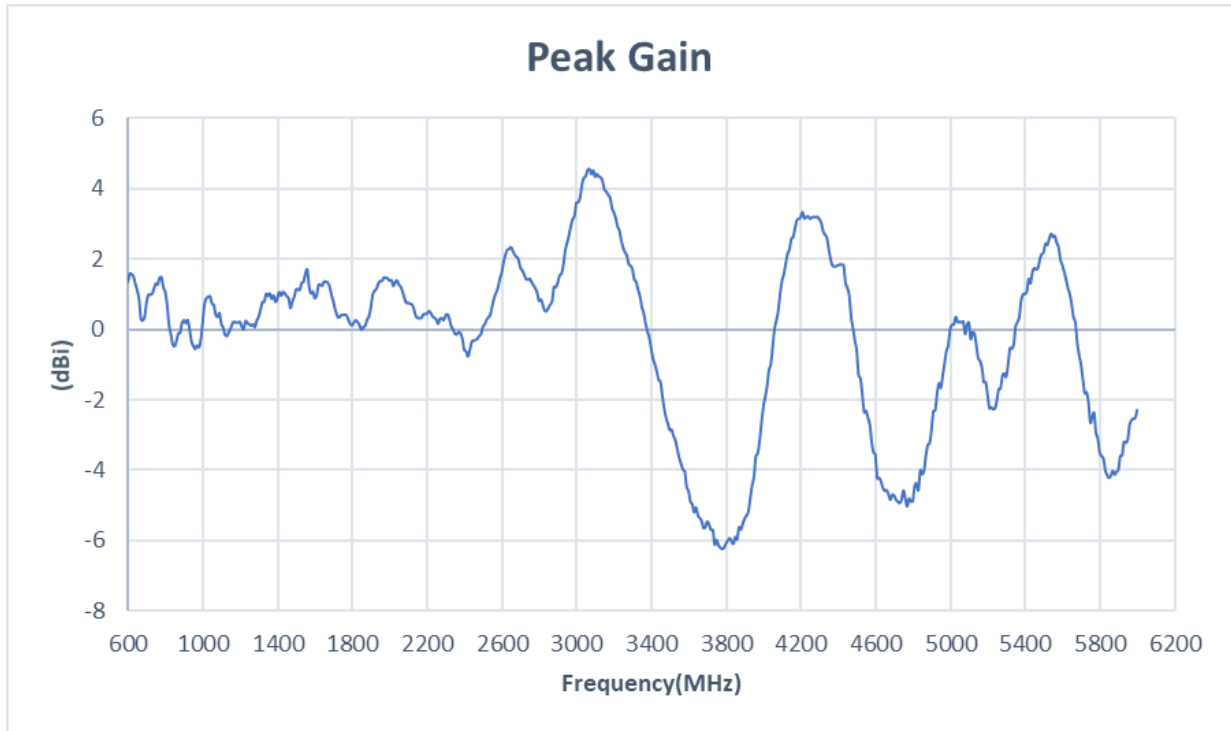
Frequency (MHz)	600	960	1710	2690	3550	3600	3700	4000	5000	6000
VSWR	1.62	2.74	2.44	2.26	5.06	5.59	5.80	2.09	2.05	3.93

4.4. Efficiency



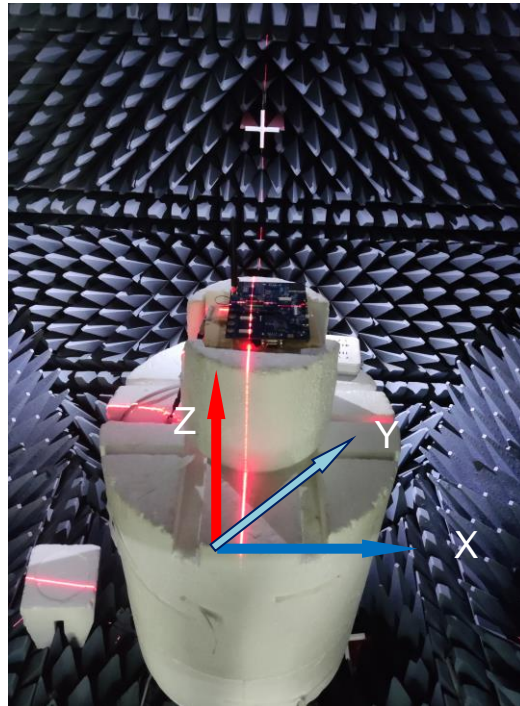
Frequency (MHz)	600	960	1710	2690	3550	3600	3700	4000	5000	6000
Efficiency (%)	71.1	52.9	45.3	43.8	10.51	8.6	7.08	22.1	23.7	15.6

4.5. Gain



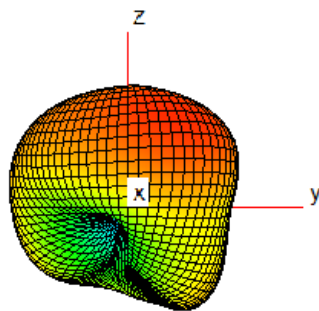
Frequency (MHz)	600	960	1710	2690	3550	3600	3700	4000	5000	6000
Gain (dBi)	1.33	-0.56	0.53	1.97	-3.65	-4.6	-5.47	-2.22	0	-2.3

4.6. Radiation Pattern

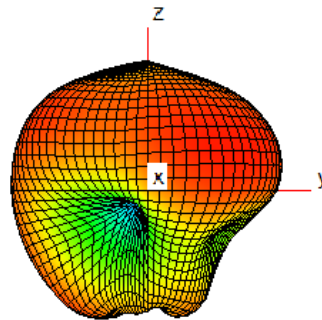


H plane: the tangent of XY
E1 plane: the tangent of XZ
E2 plane: the tangent of YZ

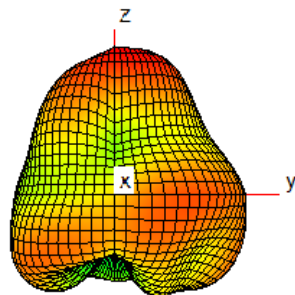
600MHz



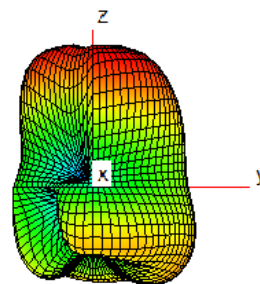
960MHz



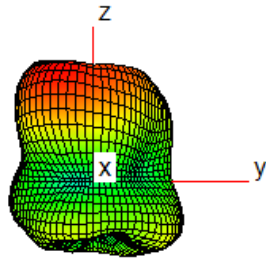
1710MHz



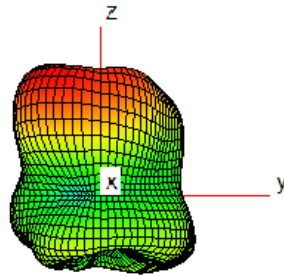
2690MHz



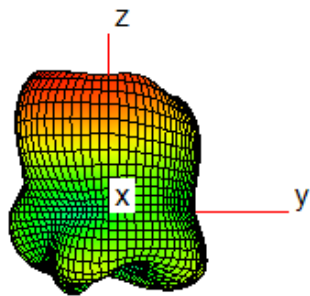
3550MHz



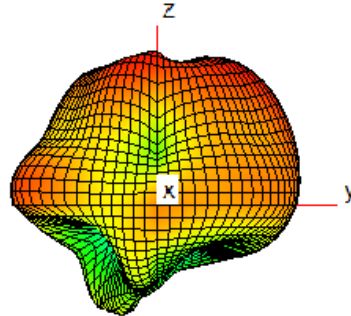
3600MHz



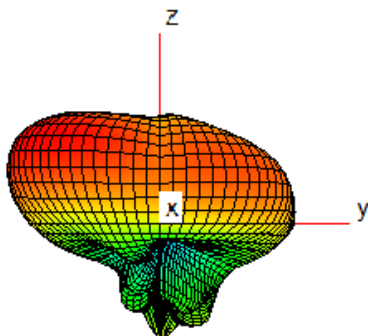
3700MHz



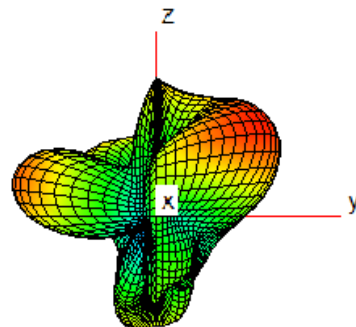
4000MHz

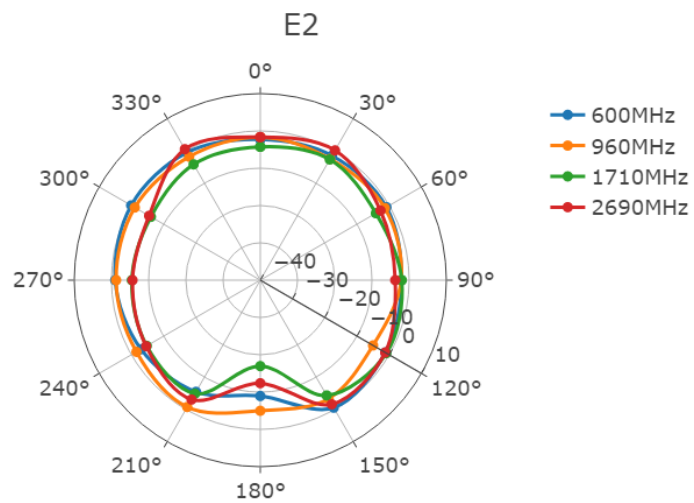
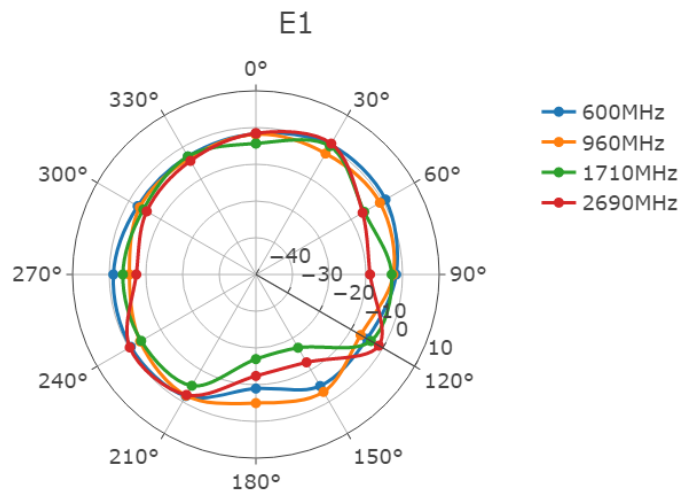
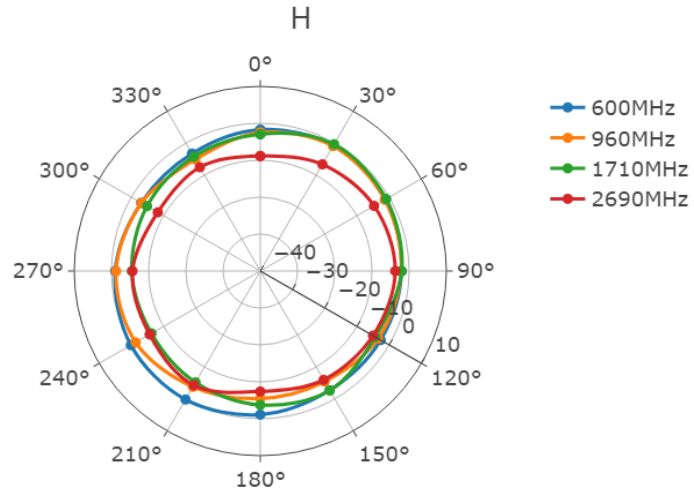


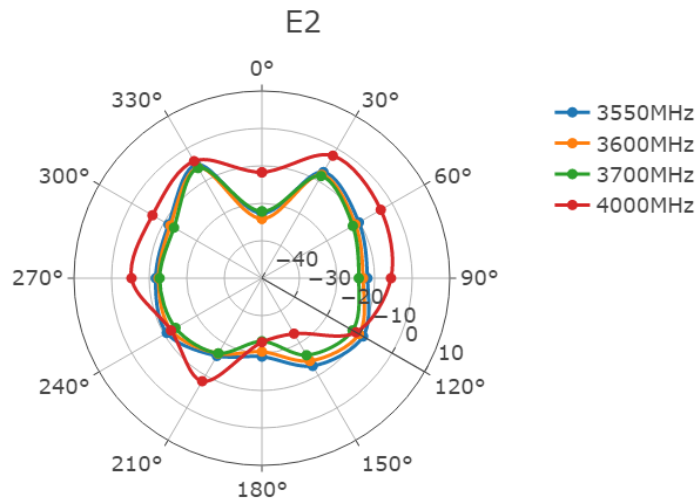
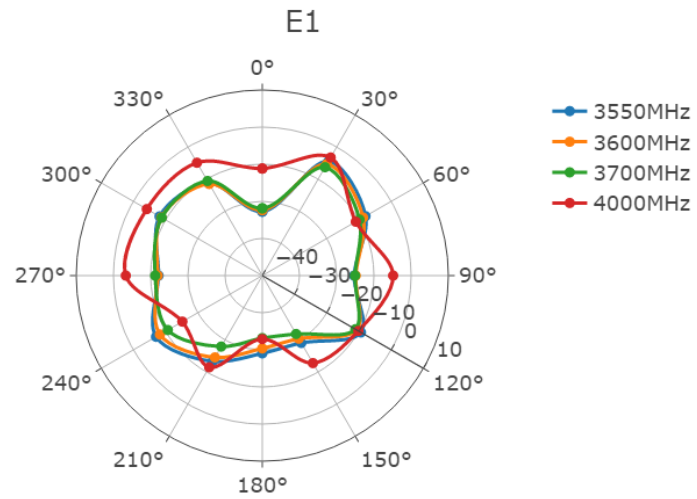
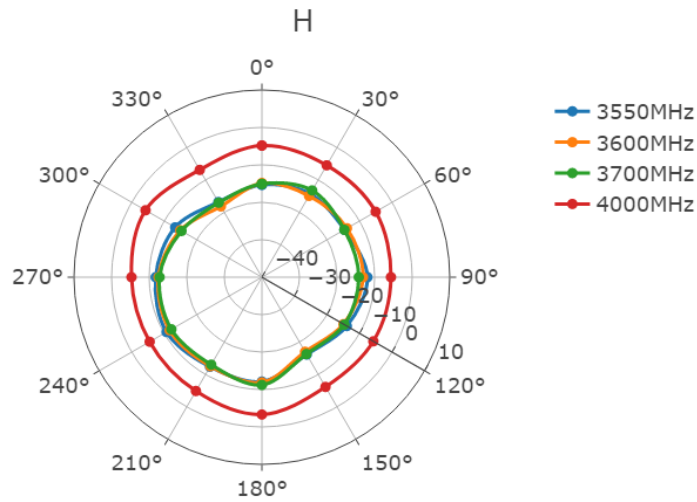
5000MHz

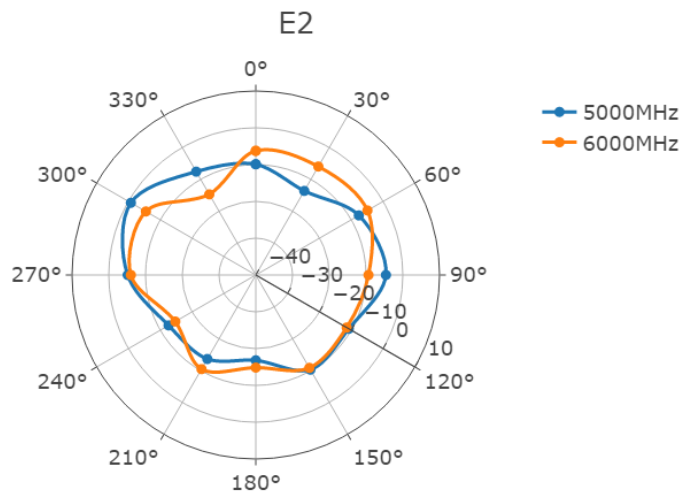
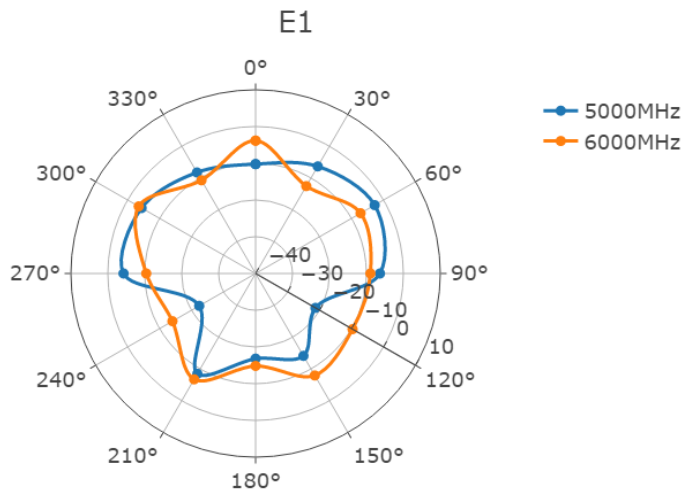
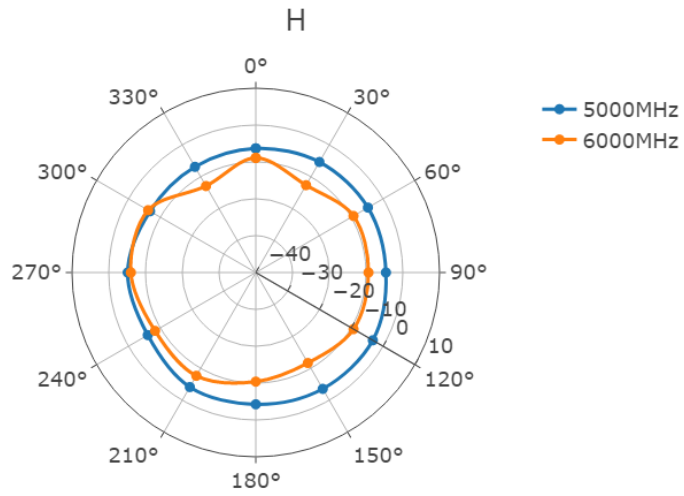


6000MHz









5 Product Size

RoHS

