



Dongguan Hengxin Electronic Technology Co., Ltd.

SPECIFICATION FOR APPROVAL

Customer: _____

Product Name: **4G** _____

part number: **HX-P91** _____

Customer part number: _____

Sample delivery date: **2026.04.09** _____

Client confirmation			Supplier	
			approval	Sample sender
			2026.04.09 Zhao Shougang	Gong Yinming

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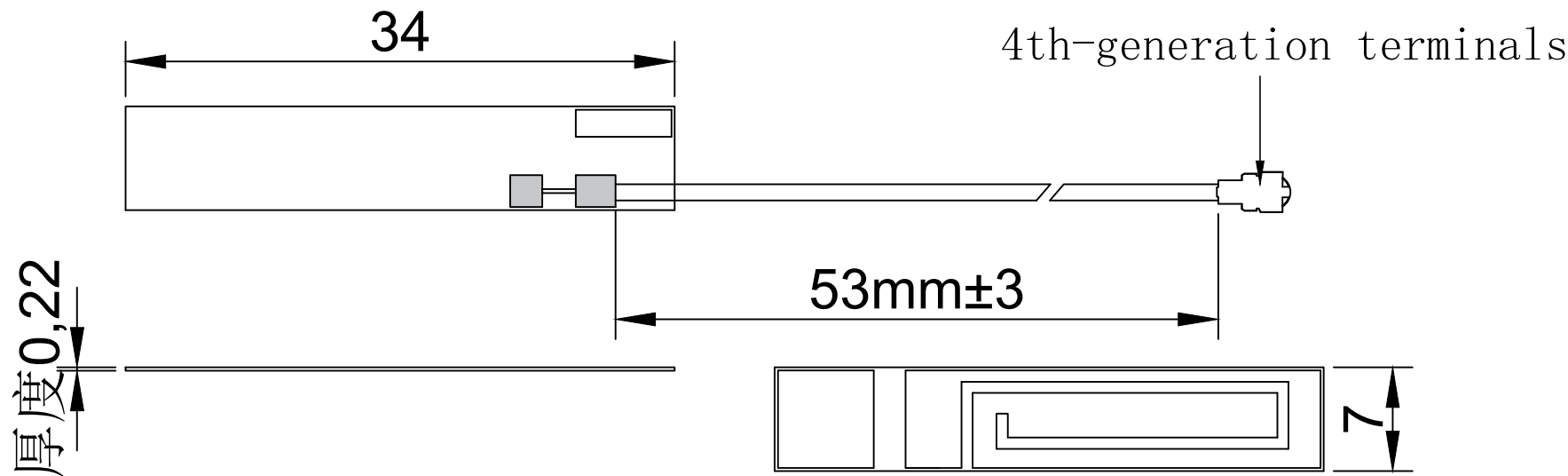
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RoHS
Compatible

CUSTOMER	
PART NO	

REV.	DESCRIPTION	DATE
△	First release	2022-12-16



Dongguan Hengxin Electronic Technology Co., Ltd.				
PART NAME:4G FPC antenna				
PART NO.: HX-P91			DATE: 2026-04-09	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance
	赵	Zhang Ya-jun	UNITS: mm	X.X ±0.50
	2026.04.09		SCALE: 1/1	X.XX±0.15
	守刚		REVISION: A	X° ±3°

1	FPC	34*7*0.22mm	FPC	FPC11XXXA.P01	1
NO	PART NAME	DESCRIPTION	Material	Part	Q.TY

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1. Reliability Testing

Test Item	Procedure	Requirement
1. Visual inspection and Dimension Check	Applicable methods using x5 magnification	follow specification
2. Rapid Changing of Temperature	-40°C (30minutes) to 80°C (30minutes); 24 cycles	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
3. Damp Heat	24 hours at 60°C; 90 ~ 95% RH	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
4. Endurance	24 hours at 80°C	After 2 hours recovery: 1. no visible damage 2. bandwidth tolerance < ±5%
5. Connector Pull Strength Test	>= 1.0 Kg	Hold 2~3S: 1. no visible damage 2. bandwidth tolerance < ±5%

2. Specification

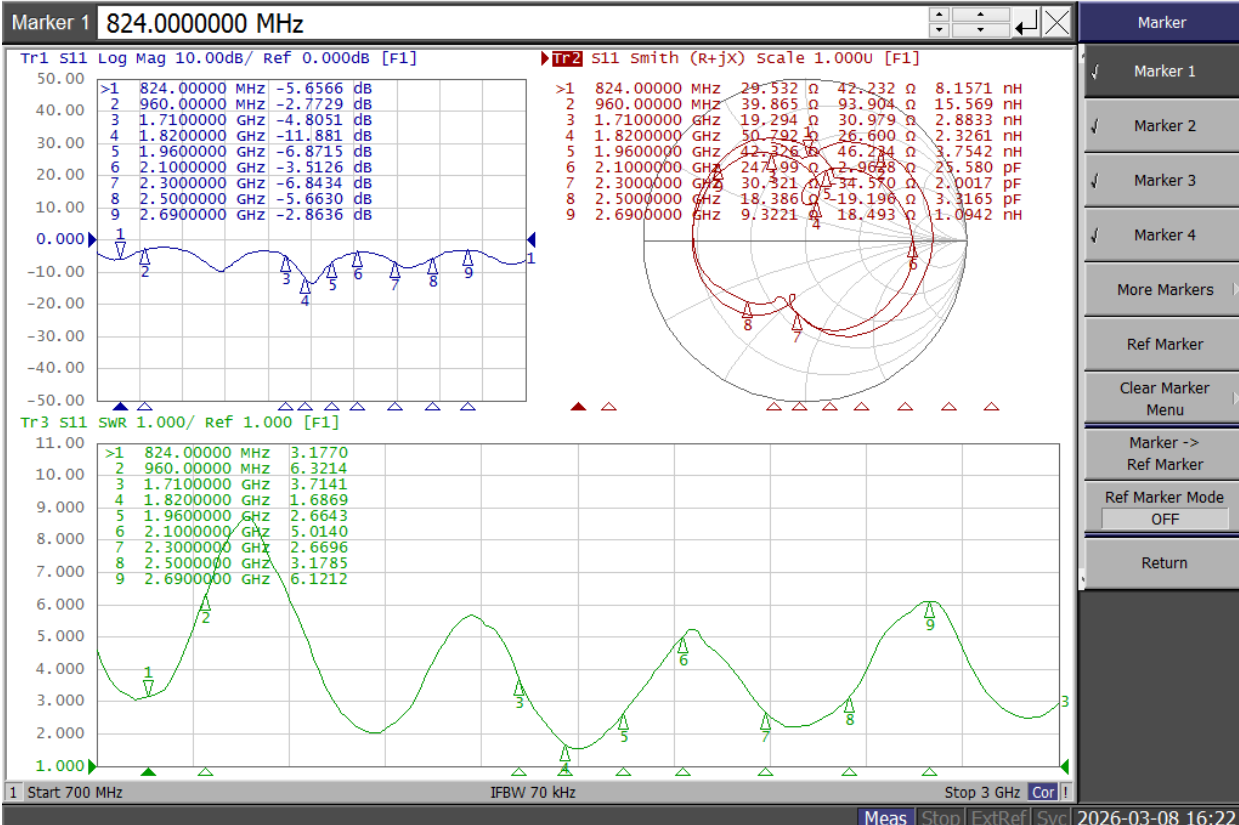
A. Electrical Characteristics	
S.W.R.	824-2690MHz: ≤ 2.0
Antenna Gain	2.0 ± 0.7 dBi
Impedance	50 Ohm
B. Material	
Material of Radiator	Cu (Plated)
Connector Type	
C. Environmental	
Operation Temperature	- 30 °C ~ + 85 °C
Storage Temperature	- 30 °C ~ + 85 °C

3. S Parameter Test data

E5071C Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize



Passive Test For 4G								
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)
700	70.67	-1.51	1.79	-0.36	30.496	40.169	1.79	-15.17
705	81.25	-0.9	2.34	0.19	35.868	45.382	2.34	-14.72
710	72.9	-1.37	1.79	-0.36	32.749	40.154	1.79	-13.63
715	64.39	-1.91	1.17	-0.98	29.459	34.927	1.17	-12.31
720	64.71	-1.89	1.17	-0.98	30.214	34.499	1.17	-12.05
725	64.03	-1.94	1.19	-0.96	30.278	33.751	1.19	-11.62
730	57.84	-2.38	0.81	-1.34	27.75	30.086	0.81	-10.69
735	47.44	-3.24	0	-2.15	23.036	24.406	0	-10.4
740	42.28	-3.74	-0.53	-2.68	20.853	21.426	-0.53	-10.58
745	39.93	-3.99	-0.6	-2.75	19.533	20.401	-0.6	-12.03
750	39.68	-4.01	-0.61	-2.76	19.471	20.208	-0.61	-11.21
755	35.85	-4.46	-1.12	-3.27	17.634	18.212	-1.12	-10.38
760	32.73	-4.85	-1.63	-3.78	16.23	16.501	-1.63	-10.45
765	33.21	-4.79	-1.45	-3.6	16.306	16.909	-1.45	-10.87
770	34.7	-4.6	-1.12	-3.27	16.921	17.779	-1.12	-10.85
775	31.29	-5.05	-1.55	-3.7	15.321	15.968	-1.55	-11.84
780	30.03	-5.22	-1.46	-3.61	14.774	15.255	-1.46	-12.3
785	34.46	-4.63	-0.75	-2.9	16.692	17.765	-0.75	-12.16
790	33.33	-4.77	-0.69	-2.84	15.804	17.523	-0.69	-13.43
795	30.03	-5.22	-1.04	-3.19	14.145	15.888	-1.04	-14.85
800	26.53	-5.76	-1.65	-3.8	12.488	14.039	-1.65	-16.11
805	25.51	-5.93	-1.83	-3.98	11.873	13.633	-1.83	-16.89
810	26.24	-5.81	-1.52	-3.67	11.92	14.315	-1.52	-17.47
815	24.1	-6.18	-1.79	-3.94	10.64	13.464	-1.79	-17.93
820	22.12	-6.55	-2.25	-4.4	9.652	12.467	-2.25	-17.66
825	22.16	-6.54	-2.37	-4.52	9.483	12.68	-2.37	-17.83
830	20.56	-6.87	-2.56	-4.71	8.389	12.171	-2.56	-18.46
835	19.01	-7.21	-2.8	-4.95	7.354	11.652	-2.8	-18.85
840	17.86	-7.48	-3.19	-5.34	6.744	11.112	-3.19	-18.63
845	17.71	-7.52	-3.45	-5.6	6.618	11.097	-3.45	-18.23
850	17.2	-7.65	-3.63	-5.78	6.184	11.013	-3.63	-19.4
855	16.81	-7.74	-3.72	-5.87	5.832	10.979	-3.72	-20.3
860	16.76	-7.76	-3.85	-6	5.692	11.069	-3.85	-19.69
865	16.68	-7.78	-4.11	-6.26	5.678	11.003	-4.11	-18.27
870	17.05	-7.68	-4.07	-6.22	5.781	11.268	-4.07	-18.77
875	16.65	-7.79	-4.1	-6.25	5.598	11.054	-4.1	-20.14
880	18.17	-7.41	-3.58	-5.73	6.116	12.052	-3.58	-21.23
885	19.58	-7.08	-3.11	-5.26	6.685	12.899	-3.11	-22.11
890	19.07	-7.2	-3.14	-5.29	6.601	12.468	-3.14	-22.25
895	19.2	-7.17	-3.04	-5.19	6.682	12.516	-3.04	-20.76
900	21.33	-6.71	-2.46	-4.61	7.354	13.976	-2.46	-19.01
905	24.48	-6.11	-1.76	-3.91	8.345	16.13	-1.76	-17.2
910	25.65	-5.91	-1.63	-3.78	8.787	16.861	-1.63	-16.03
915	25.83	-5.88	-1.78	-3.93	9.101	16.727	-1.78	-14.63
920	28.91	-5.39	-1.38	-3.53	10.231	18.681	-1.38	-13.64
925	33.77	-4.72	-0.75	-2.9	12.032	21.736	-0.75	-12.39
930	37	-4.32	-0.55	-2.7	13.54	23.457	-0.55	-12.25
935	36.18	-4.42	-0.92	-3.07	13.788	22.393	-0.92	-12.84
940	39.29	-4.06	-0.41	-2.56	15.125	24.163	-0.41	-13.03
945	45	-3.47	0.29	-1.86	17.164	27.839	0.29	-13.16
950	46.82	-3.3	0.49	-1.66	18.063	28.761	0.49	-13.47

955	44.41	-3.53	0.2	-1.95	17.694	26.717	0.2	-13.61
960	45.11	-3.46	0.17	-1.98	18.345	26.766	0.17	-13.67
965	50.82	-2.94	0.57	-1.58	20.687	30.129	0.57	-13.67
970	53.32	-2.73	0.63	-1.52	21.937	31.388	0.63	-13.68
975	51.49	-2.88	0.43	-1.72	21.918	29.573	0.43	-13.27
980	50.8	-2.94	0.54	-1.61	22.303	28.493	0.54	-13.29
985	54.96	-2.6	0.98	-1.17	24.451	30.513	0.98	-13.18
990	55.85	-2.53	1.24	-0.91	25.003	30.846	1.24	-13.24
995	53.56	-2.71	1.19	-0.96	24.468	29.094	1.19	-13.57
1000	61.89	-2.08	1.94	-0.21	28.69	33.197	1.94	-13.15
1005	56.62	-2.47	1.63	-0.52	26.325	30.294	1.63	-13.92
1010	52.45	-2.8	1.42	-0.73	24.345	28.104	1.42	-14.74
1015	45	-3.47	0.82	-1.33	21.055	23.94	0.82	-16.43
1020	40.22	-3.96	0.36	-1.79	19.042	21.18	0.36	-18.33
1025	35.94	-4.44	0.14	-2.01	17.149	18.787	0.14	-21.07
1030	30.63	-5.14	-0.37	-2.52	14.746	15.879	-0.37	-25.72
1035	25.23	-5.98	-1.15	-3.3	12.27	12.963	-1.15	-32.64
1040	20.75	-6.83	-1.93	-4.08	10.164	10.588	-1.93	-36.54
1045	18.83	-7.25	-2.19	-4.34	9.211	9.623	-2.19	-34.49
1050	14.88	-8.27	-3.15	-5.3	7.256	7.624	-3.15	-34.24
1055	11.81	-9.28	-4.06	-6.21	5.734	6.078	-4.06	-33.37
1060	9.52	-10.21	-4.85	-7	4.578	4.94	-4.85	-33.1
1065	7.48	-11.26	-5.76	-7.91	3.569	3.91	-5.76	-30.76
1070	5.27	-12.79	-7.12	-9.27	2.505	2.761	-7.12	-28.33
1075	3.84	-14.16	-8.66	-10.81	1.818	2.021	-8.66	-28.96
1080	3.34	-14.76	-9.43	-11.58	1.559	1.784	-9.43	-26.46
1085	3.03	-15.19	-10.19	-12.34	1.377	1.652	-10.19	-28.2
1090	2.93	-15.33	-10.52	-12.67	1.293	1.638	-10.52	-31.36
1095	2.7	-15.68	-10.35	-12.5	1.152	1.552	-10.35	-32.77
1100	3.07	-15.14	-9.26	-11.41	1.261	1.804	-9.26	-31.81
1105	3.58	-14.46	-8.24	-10.39	1.41	2.174	-8.24	-27.71
1110	3.8	-14.2	-7.83	-9.98	1.435	2.364	-7.83	-27.48
1115	3.8	-14.2	-7.93	-10.08	1.377	2.424	-7.93	-27.81
1120	4.09	-13.88	-7.65	-9.8	1.424	2.668	-7.65	-29.04
1125	4.73	-13.26	-7.02	-9.17	1.566	3.16	-7.02	-28.4
1130	4.94	-13.06	-6.93	-9.08	1.58	3.359	-6.93	-26.71
1135	5.16	-12.87	-6.82	-8.97	1.626	3.534	-6.82	-25.23
1140	5.31	-12.75	-6.72	-8.87	1.652	3.657	-6.72	-23.43
1145	6.43	-11.92	-5.86	-8.01	1.985	4.446	-5.86	-21.67
1150	6.89	-11.62	-5.55	-7.7	2.101	4.793	-5.55	-21.85
1155	7.05	-11.52	-5.5	-7.65	2.163	4.883	-5.5	-21.55
1160	7.86	-11.05	-5.17	-7.32	2.44	5.419	-5.17	-20.71
1165	9.27	-10.33	-4.54	-6.69	2.863	6.402	-4.54	-19.14
1170	10.05	-9.98	-4.15	-6.3	3.016	7.038	-4.15	-18.1
1175	9.56	-10.2	-4.36	-6.51	2.82	6.738	-4.36	-17.62
1180	9.77	-10.1	-4.45	-6.6	2.868	6.901	-4.45	-16.79
1185	10.04	-9.98	-4.5	-6.65	2.893	7.147	-4.5	-16.67
1190	10.54	-9.77	-4.34	-6.49	2.944	7.597	-4.34	-16.84
1195	10.41	-9.83	-4.52	-6.67	2.851	7.557	-4.52	-17.23
1200	10.67	-9.72	-4.62	-6.77	2.944	7.724	-4.62	-16.98
1205	12.3	-9.1	-4.21	-6.36	3.446	8.85	-4.21	-16.26
1210	12.71	-8.96	-4.19	-6.34	3.585	9.124	-4.19	-16.21
1215	13.4	-8.73	-4.04	-6.19	3.758	9.642	-4.04	-16.31
1220	14.18	-8.48	-3.93	-6.08	4.004	10.176	-3.93	-16.3

1225	15.23	-8.17	-3.84	-5.99	4.379	10.846	-3.84	-16.1
1230	15.01	-8.24	-4.07	-6.22	4.312	10.702	-4.07	-16.53
1235	15.13	-8.2	-3.84	-5.99	4.257	10.869	-3.84	-17.13
1240	16.27	-7.89	-3.3	-5.45	4.522	11.749	-3.3	-17.23
1245	16.25	-7.89	-3.17	-5.32	4.581	11.673	-3.17	-17.48
1250	16.18	-7.91	-3.12	-5.27	4.598	11.579	-3.12	-17.29
1255	15.9	-7.99	-3.15	-5.3	4.499	11.4	-3.15	-17.33
1260	17.95	-7.46	-2.68	-4.83	5.064	12.887	-2.68	-17.37
1265	19.72	-7.05	-2.29	-4.44	5.662	14.054	-2.29	-17.43
1270	19.46	-7.11	-2.48	-4.63	5.696	13.763	-2.48	-17.97
1275	19.77	-7.04	-2.41	-4.56	5.797	13.976	-2.41	-18.65
1280	22.02	-6.57	-1.92	-4.07	6.387	15.633	-1.92	-19.74
1285	25.14	-6	-1.17	-3.32	7.269	17.866	-1.17	-20.47
1290	23.3	-6.33	-1.46	-3.61	6.803	16.493	-1.46	-21.67
1295	21.42	-6.69	-1.91	-4.06	6.312	15.106	-1.91	-21.72
1300	20.85	-6.81	-2.06	-4.21	6.219	14.628	-2.06	-21.51
1305	21.72	-6.63	-1.8	-3.95	6.676	15.046	-1.8	-20.95
1310	21.5	-6.68	-1.87	-4.02	6.969	14.532	-1.87	-20.48
1315	19.88	-7.02	-2.49	-4.64	6.756	13.121	-2.49	-20.26
1320	21.27	-6.72	-2.43	-4.58	7.485	13.781	-2.43	-19.43
1325	23.63	-6.26	-2.04	-4.19	8.594	15.04	-2.04	-19.35
1330	25.17	-5.99	-1.84	-3.99	9.288	15.881	-1.84	-19.81
1335	23.31	-6.32	-2.44	-4.59	8.466	14.848	-2.44	-20.11
1340	23.75	-6.24	-2.42	-4.57	8.49	15.256	-2.42	-19.05
1345	24.4	-6.13	-2.09	-4.24	8.771	15.626	-2.09	-19.07
1350	22.85	-6.41	-2.08	-4.23	8.144	14.702	-2.08	-19.56
1355	21.09	-6.76	-2.22	-4.37	7.353	13.737	-2.22	-19.89
1360	19	-7.21	-2.57	-4.72	6.598	12.4	-2.57	-20.82
1365	19.67	-7.06	-2.15	-4.3	6.998	12.668	-2.15	-21
1370	19.46	-7.11	-1.76	-3.91	6.876	12.581	-1.76	-20.8
1375	18.76	-7.27	-1.62	-3.77	6.24	12.517	-1.62	-20.02
1380	18.46	-7.34	-1.63	-3.78	5.942	12.513	-1.63	-19.52
1385	19	-7.21	-1.41	-3.56	6.03	12.971	-1.41	-18.56
1390	19.15	-7.18	-1.21	-3.36	5.822	13.331	-1.21	-17.99
1395	17.72	-7.52	-1.46	-3.61	4.97	12.748	-1.46	-18.71
1400	17.48	-7.57	-1.62	-3.77	4.754	12.726	-1.62	-18.68
1405	15.81	-8.01	-2.16	-4.31	4.293	11.519	-2.16	-18.49
1410	15.18	-8.19	-2.42	-4.57	4.131	11.052	-2.42	-18.62
1415	14	-8.54	-2.69	-4.84	3.794	10.204	-2.69	-19.39
1420	13.28	-8.77	-2.87	-5.02	3.647	9.628	-2.87	-19.93
1425	12.79	-8.93	-3.09	-5.24	3.641	9.147	-3.09	-20.01
1430	12.7	-8.96	-3.07	-5.22	3.731	8.969	-3.07	-19.97
1435	13.66	-8.65	-2.6	-4.75	4.093	9.563	-2.6	-20.58
1440	14.49	-8.39	-2.17	-4.32	4.397	10.093	-2.17	-21.15
1445	15.37	-8.13	-1.96	-4.11	4.674	10.699	-1.96	-21.37
1450	14.63	-8.35	-2.34	-4.49	4.405	10.23	-2.34	-22.39
1455	14.78	-8.3	-2.42	-4.57	4.394	10.389	-2.42	-23.47
1460	14.99	-8.24	-2.39	-4.54	4.44	10.549	-2.39	-24.6
1465	14.71	-8.32	-2.52	-4.67	4.435	10.277	-2.52	-24.95
1470	13.89	-8.57	-2.73	-4.88	4.351	9.539	-2.73	-24.77
1475	13.04	-8.85	-2.89	-5.04	4.22	8.824	-2.89	-24.67
1480	13.79	-8.6	-2.47	-4.62	4.568	9.221	-2.47	-24.4
1485	14.92	-8.26	-1.95	-4.1	5.05	9.865	-1.95	-23.7
1490	15.56	-8.08	-1.74	-3.89	5.371	10.191	-1.74	-22.45

1495	15.1	-8.21	-1.92	-4.07	5.254	9.847	-1.92	-21.02
1500	16.6	-7.8	-1.54	-3.69	5.788	10.812	-1.54	-19.47
1505	19.16	-7.18	-0.92	-3.07	6.703	12.46	-0.92	-18.14
1510	19.76	-7.04	-0.88	-3.03	6.956	12.803	-0.88	-19.09
1515	18.87	-7.24	-1.18	-3.33	6.797	12.076	-1.18	-20.04
1520	18.24	-7.39	-1.31	-3.46	6.7	11.543	-1.31	-20.28
1525	19.6	-7.08	-0.86	-3.01	7.331	12.269	-0.86	-21.07
1530	19.39	-7.12	-0.73	-2.88	7.179	12.21	-0.73	-25.21
1535	18.11	-7.42	-1.01	-3.16	6.656	11.454	-1.01	-30.06
1540	18.14	-7.41	-0.95	-3.1	6.655	11.487	-0.95	-31.69
1545	19.92	-7.01	-0.46	-2.61	7.236	12.683	-0.46	-25.66
1550	21.32	-6.71	-0.13	-2.28	7.562	13.758	-0.13	-22.09
1555	20.73	-6.83	-0.36	-2.51	7.243	13.485	-0.36	-19.86
1560	21.59	-6.66	-0.33	-2.48	7.635	13.957	-0.33	-17.29
1565	22.65	-6.45	-0.15	-2.3	8.132	14.522	-0.15	-15.72
1570	22.7	-6.44	-0.1	-2.25	8.244	14.454	-0.1	-14.75
1575	20.83	-6.81	-0.45	-2.6	7.715	13.114	-0.45	-14.72
1580	20.25	-6.94	-0.57	-2.72	7.761	12.488	-0.57	-14.8
1585	21.37	-6.7	-0.29	-2.44	8.32	13.054	-0.29	-14.42
1590	21.73	-6.63	-0.24	-2.39	8.401	13.331	-0.24	-14.23
1595	22.29	-6.52	-0.21	-2.36	8.468	13.824	-0.21	-14.12
1600	23.18	-6.35	-0.25	-2.4	8.767	14.413	-0.25	-13.97
1605	25.88	-5.87	-0.08	-2.23	9.959	15.919	-0.08	-13.72
1610	27.15	-5.66	-0.06	-2.21	10.539	16.612	-0.06	-13.93
1615	28.31	-5.48	0.04	-2.11	11.068	17.238	0.04	-13.87
1620	28.95	-5.38	0.08	-2.07	11.577	17.376	0.08	-13.97
1625	28.97	-5.38	-0.04	-2.19	11.991	16.979	-0.04	-14.28
1630	29.43	-5.31	0.03	-2.12	12.39	17.036	0.03	-14.75
1635	29.04	-5.37	-0.08	-2.23	12.265	16.779	-0.08	-16.41
1640	30.58	-5.15	0.1	-2.05	12.905	17.679	0.1	-17.89
1645	31.94	-4.96	0.02	-2.13	13.579	18.365	0.02	-19.64
1650	34.45	-4.63	0.01	-2.14	14.848	19.606	0.01	-20.91
1655	36.02	-4.43	-0.15	-2.3	15.658	20.364	-0.15	-22.6
1660	38.92	-4.1	0.28	-1.87	16.952	21.969	0.28	-23.55
1665	41.34	-3.84	0.58	-1.57	18.169	23.172	0.58	-23.16
1670	41.32	-3.84	0.32	-1.83	18.58	22.739	0.32	-21.6
1675	42.29	-3.74	0.22	-1.93	19.243	23.044	0.22	-19.66
1680	42.81	-3.68	0.39	-1.76	19.353	23.457	0.39	-17.56
1685	44.71	-3.5	0.76	-1.39	19.96	24.75	0.76	-15.76
1690	44.09	-3.56	0.61	-1.54	19.613	24.476	0.61	-14.52
1695	44.22	-3.54	0.52	-1.63	19.551	24.666	0.52	-13.48
1700	46.5	-3.33	0.99	-1.16	20.23	26.266	0.99	-12.47
1705	49.29	-3.07	1.52	-0.63	21.035	28.252	1.52	-12.83
1710	51.02	-2.92	1.78	-0.37	21.576	29.443	1.78	-13.36
1715	51.68	-2.87	1.72	-0.43	21.89	29.786	1.72	-13.91
1720	55.53	-2.56	2.05	-0.1	23.47	32.056	2.05	-14.22
1725	57.37	-2.41	2.32	0.17	24.023	33.343	2.32	-14.36
1730	56.58	-2.47	2.31	0.16	23.554	33.028	2.31	-14.95
1735	55.92	-2.52	2.11	-0.04	23.384	32.541	2.11	-14.91
1740	57.65	-2.39	2.19	0.04	24.169	33.481	2.19	-14.9
1745	59.42	-2.26	2.45	0.3	24.691	34.729	2.45	-15.51
1750	57.47	-2.41	2.44	0.29	23.704	33.769	2.44	-15.88
1755	58.03	-2.36	2.52	0.37	24.009	34.025	2.52	-15.66
1760	58.84	-2.3	2.53	0.38	24.699	34.142	2.53	-15.39

1765	59.43	-2.26	2.64	0.49	25.038	34.393	2.64	-14.95
1770	56.72	-2.46	2.59	0.44	23.945	32.772	2.59	-14.39
1775	56.13	-2.51	2.58	0.43	24.013	32.119	2.58	-13.9
1780	59.97	-2.22	2.78	0.63	26.344	33.623	2.78	-13.34
1785	61.76	-2.09	2.81	0.66	27.564	34.194	2.81	-12.73
1790	60.15	-2.21	2.67	0.52	26.948	33.203	2.67	-12.06
1795	57.51	-2.4	2.51	0.36	26.029	31.482	2.51	-11.51
1800	60.6	-2.18	2.66	0.51	27.924	32.679	2.66	-11.42
1805	60.14	-2.21	2.46	0.31	28.116	32.028	2.46	-11.97
1810	57.47	-2.41	2.16	0.01	26.983	30.486	2.16	-12.97
1815	54.37	-2.65	1.95	-0.2	25.741	28.629	1.95	-14.52
1820	57.62	-2.39	2.25	0.1	27.578	30.043	2.25	-15.87
1825	61.6	-2.1	2.38	0.23	29.968	31.627	2.38	-17.06
1830	58.26	-2.35	1.96	-0.19	28.495	29.768	1.96	-19.03
1835	57.26	-2.42	1.82	-0.33	28.082	29.178	1.82	-20.43
1840	60.08	-2.21	2.09	-0.06	29.364	30.712	2.09	-20.04
1845	64.62	-1.9	2.28	0.13	31.552	33.071	2.28	-18.34
1850	59.48	-2.26	1.94	-0.21	28.989	30.493	1.94	-17.36
1855	56.74	-2.46	1.86	-0.29	27.526	29.215	1.86	-16.64
1860	59.14	-2.28	2.25	0.1	28.506	30.633	2.25	-16.39
1865	63.71	-1.96	2.63	0.48	30.558	33.149	2.63	-15.71
1870	60.8	-2.16	2.43	0.28	29.102	31.702	2.43	-15.77
1875	55.63	-2.55	2.03	-0.12	26.507	29.124	2.03	-15.91
1880	59.01	-2.29	2.38	0.23	28.105	30.907	2.38	-15.06
1885	60.12	-2.21	2.48	0.33	28.45	31.673	2.48	-14.44
1890	57.55	-2.4	2.28	0.13	27.127	30.425	2.28	-14.36
1895	53.4	-2.72	1.93	-0.22	25.139	28.263	1.93	-15.4
1900	58.33	-2.34	2.46	0.31	27.382	30.952	2.46	-17.17
1905	62.08	-2.07	2.84	0.69	28.998	33.087	2.84	-19.86
1910	60.59	-2.18	2.75	0.6	28.133	32.454	2.75	-23.51
1915	56.09	-2.51	2.4	0.25	26.041	30.053	2.4	-24.25
1920	55.45	-2.56	2.38	0.23	25.725	29.722	2.38	-20.47
1925	58.27	-2.35	2.68	0.53	26.816	31.45	2.68	-16.67
1930	53.48	-2.72	2.46	0.31	24.227	29.248	2.46	-14.6
1935	52.35	-2.81	2.47	0.32	23.555	28.795	2.47	-12.59
1940	53.19	-2.74	2.62	0.47	23.822	29.367	2.62	-10.86
1945	56.88	-2.45	3.07	0.92	25.142	31.738	3.07	-10.84
1950	56.17	-2.5	3.21	1.06	24.354	31.819	3.21	-11.49
1955	55.81	-2.53	3.37	1.22	23.807	32.002	3.37	-12.14
1960	56.62	-2.47	3.44	1.29	24.044	32.58	3.44	-12.11
1965	56.73	-2.46	3.5	1.35	23.797	32.93	3.5	-12.51
1970	58.4	-2.34	3.75	1.6	24.132	34.266	3.75	-12.73
1975	55.62	-2.55	3.62	1.47	22.899	32.721	3.62	-13.34
1980	56.6	-2.47	3.65	1.5	23.387	33.209	3.65	-13.61
1985	55.58	-2.55	3.55	1.4	23.027	32.552	3.55	-13.84
1990	54.08	-2.67	3.51	1.36	22.309	31.766	3.51	-14.19
1995	52.58	-2.79	3.51	1.36	21.573	31.009	3.51	-15.55
2000	44.95	-3.47	2.84	0.69	18.342	26.606	2.84	-17.34
2005	44.67	-3.5	2.72	0.57	18.307	26.364	2.72	-18.04
2010	44.18	-3.55	2.72	0.57	18.13	26.047	2.72	-18.51
2015	45.55	-3.42	2.97	0.82	18.609	26.937	2.97	-19.51
2020	43.85	-3.58	2.86	0.71	17.73	26.117	2.86	-20.57
2025	42.53	-3.71	2.66	0.51	17.148	25.386	2.66	-19.92
2030	46.08	-3.37	2.93	0.78	18.707	27.371	2.93	-18.08

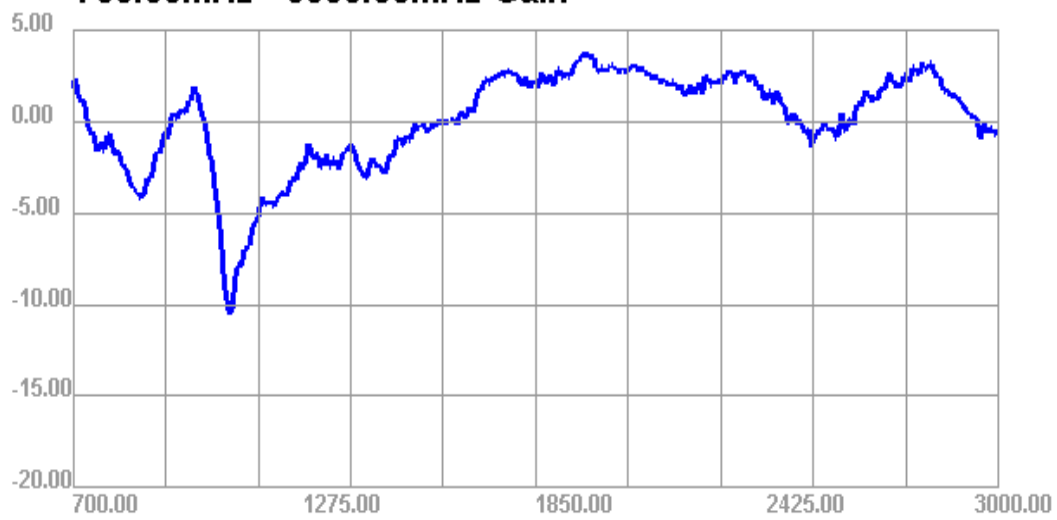
2035	45.93	-3.38	2.97	0.82	18.736	27.197	2.97	-16.38
2040	46.98	-3.28	3.12	0.97	19.155	27.823	3.12	-16.52
2045	46.21	-3.35	3.01	0.86	18.959	27.253	3.01	-17.22
2050	44.89	-3.48	2.81	0.66	18.751	26.135	2.81	-17.9
2055	44.13	-3.55	2.75	0.6	18.548	25.585	2.75	-18.43
2060	44.29	-3.54	2.78	0.63	18.547	25.738	2.78	-18.25
2065	45.1	-3.46	2.87	0.72	18.743	26.354	2.87	-17.81
2070	44.3	-3.54	2.73	0.58	18.491	25.811	2.73	-18.62
2075	45.73	-3.4	2.8	0.65	19.226	26.505	2.8	-18.85
2080	46.76	-3.3	2.88	0.73	19.714	27.048	2.88	-18.14
2085	47.51	-3.23	2.92	0.77	20.172	27.337	2.92	-17.65
2090	48.78	-3.12	2.97	0.82	21.107	27.673	2.97	-16.44
2095	51.63	-2.87	3.11	0.96	22.883	28.744	3.11	-16.27
2100	50.46	-2.97	2.89	0.74	22.776	27.688	2.89	-16.23
2105	50.02	-3.01	2.79	0.64	22.841	27.18	2.79	-15.84
2110	52.66	-2.79	3	0.85	24.207	28.455	3	-15.18
2115	52.47	-2.8	2.86	0.71	24.453	28.013	2.86	-14.84
2120	52.75	-2.78	2.73	0.58	24.941	27.814	2.73	-14.05
2125	52.56	-2.79	2.63	0.48	25.083	27.482	2.63	-13.77
2130	51.54	-2.88	2.6	0.45	24.696	26.84	2.6	-13.52
2135	49.58	-3.05	2.39	0.24	23.88	25.702	2.39	-13.28
2140	50.82	-2.94	2.38	0.23	24.616	26.199	2.38	-12.85
2145	51.44	-2.89	2.37	0.22	24.895	26.541	2.37	-12.61
2150	51.79	-2.86	2.48	0.33	24.879	26.912	2.48	-13.07
2155	50.91	-2.93	2.38	0.23	24.319	26.587	2.38	-13.7
2160	48.84	-3.11	2.12	-0.03	23.397	25.445	2.12	-14.19
2165	52.51	-2.8	2.31	0.16	25.125	27.388	2.31	-14.16
2170	50.41	-2.98	2.16	0.01	23.849	26.556	2.16	-14.32
2175	49.47	-3.06	2.12	-0.03	23.179	26.292	2.12	-14.11
2180	50.58	-2.96	2.13	-0.02	23.646	26.936	2.13	-13.74
2185	49.44	-3.06	1.96	-0.19	23.178	26.264	1.96	-13.46
2190	52.93	-2.76	2.19	0.04	24.777	28.156	2.19	-12.36
2195	50.92	-2.93	2.1	-0.05	23.692	27.226	2.1	-12.02
2200	49.17	-3.08	1.93	-0.22	22.881	26.289	1.93	-12.14
2205	47.23	-3.26	1.73	-0.42	22.127	25.1	1.73	-12.31
2210	49.88	-3.02	1.97	-0.18	23.444	26.435	1.97	-12.22
2215	45.89	-3.38	1.69	-0.46	21.471	24.416	1.69	-12.46
2220	42.39	-3.73	1.38	-0.77	19.708	22.685	1.38	-12.62
2225	44.74	-3.49	1.62	-0.53	20.71	24.032	1.62	-12.45
2230	43.63	-3.6	1.51	-0.64	20.033	23.597	1.51	-12.53
2235	47.92	-3.19	2.02	-0.13	21.573	26.351	2.02	-11.91
2240	42.98	-3.67	1.66	-0.49	18.876	24.099	1.66	-12.18
2245	40.41	-3.93	1.48	-0.67	17.505	22.908	1.48	-12.59
2250	42.52	-3.71	1.76	-0.39	18.34	24.176	1.76	-12.62
2255	45	-3.47	2.11	-0.04	19.293	25.708	2.11	-12.89
2260	41.09	-3.86	1.84	-0.31	17.396	23.695	1.84	-13.78
2265	36.78	-4.34	1.49	-0.66	15.456	21.327	1.49	-14.82
2270	44.96	-3.47	2.46	0.31	18.957	26	2.46	-14.35
2275	43.69	-3.6	2.43	0.28	18.426	25.267	2.43	-14.74
2280	41.38	-3.83	2.33	0.18	17.309	24.074	2.33	-15.38
2285	37.07	-4.31	1.98	-0.17	15.283	21.789	1.98	-16.9
2290	36.64	-4.36	2.08	-0.07	14.905	21.738	2.08	-18.28
2295	37.17	-4.3	2.22	0.07	14.969	22.2	2.22	-19.88
2300	34.8	-4.58	1.98	-0.17	13.823	20.976	1.98	-21.18

2305	36.64	-4.36	2.3	0.15	14.365	22.274	2.3	-24.01
2310	33.91	-4.7	2.09	-0.06	13.09	20.816	2.09	-29.57
2315	36.69	-4.35	2.46	0.31	14.103	22.588	2.46	-36.83
2320	35.48	-4.5	2.33	0.18	13.616	21.861	2.33	-29.11
2325	37.26	-4.29	2.6	0.45	14.227	23.029	2.6	-24.31
2330	38	-4.2	2.76	0.61	14.349	23.65	2.76	-21.21
2335	35.89	-4.45	2.58	0.43	13.385	22.503	2.58	-19.39
2340	36.8	-4.34	2.69	0.54	13.672	23.128	2.69	-20.73
2345	31.78	-4.98	2.11	-0.04	11.764	20.015	2.11	-22.26
2350	34.49	-4.62	2.53	0.38	12.593	21.899	2.53	-22.86
2355	34.44	-4.63	2.67	0.52	12.316	22.122	2.67	-23.06
2360	33.44	-4.76	2.52	0.37	12.002	21.434	2.52	-22.55
2365	35.22	-4.53	2.77	0.62	12.785	22.44	2.77	-21.22
2370	32.69	-4.86	2.53	0.38	11.957	20.734	2.53	-20.37
2375	32.66	-4.86	2.58	0.43	11.93	20.727	2.58	-19.19
2380	30.84	-5.11	2.24	0.09	11.333	19.506	2.24	-18.27
2385	32.77	-4.85	2.4	0.25	12.235	20.536	2.4	-17.47
2390	33.58	-4.74	2.53	0.38	12.664	20.915	2.53	-17.76
2395	31.23	-5.05	2.23	0.08	11.736	19.497	2.23	-18.48
2400	29.74	-5.27	1.9	-0.25	11.164	18.576	1.9	-19.91
2405	29.76	-5.26	1.86	-0.29	11.244	18.517	1.86	-20.74
2410	29.83	-5.25	1.95	-0.2	11.207	18.622	1.95	-21.35
2415	25.72	-5.9	1.32	-0.83	9.576	16.14	1.32	-22.12
2420	25.02	-6.02	1.15	-1	9.295	15.724	1.15	-21.77
2425	26.23	-5.81	1.34	-0.81	9.807	16.42	1.34	-21.12
2430	28.03	-5.52	1.59	-0.56	10.611	17.415	1.59	-20.95
2435	28.68	-5.42	1.6	-0.55	10.98	17.701	1.6	-21.02
2440	26.05	-5.84	1.03	-1.12	10.121	15.932	1.03	-21.24
2445	28.39	-5.47	1.28	-0.87	11.145	17.242	1.28	-20.56
2450	31.1	-5.07	1.67	-0.48	12.283	18.821	1.67	-19.82
2455	29.92	-5.24	1.42	-0.73	11.81	18.106	1.42	-19.3
2460	28.13	-5.51	1.02	-1.13	11.146	16.981	1.02	-20.01
2465	27.86	-5.55	0.85	-1.3	11.083	16.776	0.85	-20.63
2470	27.59	-5.59	0.71	-1.44	11.031	16.555	0.71	-21.1
2475	23.82	-6.23	-0.02	-2.17	9.583	14.241	-0.02	-21.06
2480	24.69	-6.08	0.01	-2.14	10.067	14.62	0.01	-21.06
2485	27.63	-5.59	0.27	-1.88	11.452	16.177	0.27	-20.36
2490	30.07	-5.22	0.51	-1.64	12.687	17.379	0.51	-19.14
2495	28.98	-5.38	0.36	-1.79	12.428	16.554	0.36	-18.72
2500	26.02	-5.85	-0.13	-2.28	11.284	14.732	-0.13	-18.76
2505	27.91	-5.54	0.11	-2.04	12.17	15.738	0.11	-17.84
2510	26.17	-5.82	-0.11	-2.26	11.333	14.84	-0.11	-18.02
2515	24.13	-6.17	-0.45	-2.6	10.377	13.752	-0.45	-18.36
2520	23.34	-6.32	-0.61	-2.76	9.998	13.34	-0.61	-18.51
2525	24.12	-6.18	-0.5	-2.65	10.3	13.82	-0.5	-18.35
2530	24.63	-6.09	-0.44	-2.59	10.468	14.163	-0.44	-18.57
2535	20.46	-6.89	-1.38	-3.53	8.692	11.773	-1.38	-20.68
2540	22.61	-6.46	-1.01	-3.16	9.694	12.916	-1.01	-21.36
2545	25.08	-6.01	-0.62	-2.77	10.846	14.234	-0.62	-21.22
2550	26.18	-5.82	-0.52	-2.67	11.403	14.772	-0.52	-20.47
2555	25.34	-5.96	-0.56	-2.71	11.036	14.309	-0.56	-20.69
2560	24.6	-6.09	-0.54	-2.69	10.65	13.95	-0.54	-24.17
2565	26.82	-5.72	0	-2.15	11.437	15.384	0	-27.6
2570	24.77	-6.06	-0.31	-2.46	10.39	14.378	-0.31	-31.15

2575	25.23	-5.98	-0.29	-2.44	10.496	14.729	-0.29	-29.31
2580	24.14	-6.17	-0.51	-2.66	10.052	14.09	-0.51	-26.02
2585	25.43	-5.95	-0.27	-2.42	10.64	14.788	-0.27	-23
2590	25.34	-5.96	-0.41	-2.56	10.671	14.665	-0.41	-21.38
2595	23.77	-6.24	-0.87	-3.02	10.115	13.654	-0.87	-20.32
2600	25.19	-5.99	-0.83	-2.98	10.832	14.36	-0.83	-18.69
2605	28.06	-5.52	-0.36	-2.51	12.156	15.907	-0.36	-17.61
2610	33.34	-4.77	0.45	-1.7	14.471	18.872	0.45	-16.37
2615	27.06	-5.68	-0.42	-2.57	11.741	15.32	-0.42	-17.43
2620	26.28	-5.8	-0.53	-2.68	11.336	14.946	-0.53	-17.59
2625	28.97	-5.38	-0.06	-2.21	12.442	16.528	-0.06	-17.45
2630	29.89	-5.25	0.06	-2.09	12.828	17.057	0.06	-17.69
2635	29.92	-5.24	0	-2.15	12.943	16.98	0	-17.55
2640	28.84	-5.4	-0.23	-2.38	12.638	16.199	-0.23	-17.12
2645	35.74	-4.47	0.71	-1.44	15.824	19.912	0.71	-16.11
2650	37.58	-4.25	0.94	-1.21	16.841	20.739	0.94	-16.13
2655	37.71	-4.24	0.93	-1.22	17.101	20.604	0.93	-16.03
2660	36.86	-4.33	0.89	-1.26	16.915	19.94	0.89	-15.67
2665	39.24	-4.06	1.22	-0.93	18.235	21.003	1.22	-14.87
2670	43.06	-3.66	1.69	-0.46	20.267	22.798	1.69	-14.14
2675	41.86	-3.78	1.52	-0.63	19.905	21.95	1.52	-13.85
2680	41.76	-3.79	1.49	-0.66	20.126	21.632	1.49	-13.68
2685	38.74	-4.12	1.12	-1.03	18.969	19.773	1.12	-13.81
2690	41.51	-3.82	1.34	-0.81	20.7	20.813	1.34	-13.48
2695	42.68	-3.7	1.29	-0.86	21.691	20.992	1.29	-13.55
2700	43.11	-3.65	1.16	-0.99	22.287	20.822	1.16	-13.85
2705	50.62	-2.96	1.76	-0.39	26.587	24.034	1.76	-13.87
2710	50.89	-2.93	1.71	-0.44	27.123	23.769	1.71	-14.36
2715	51.85	-2.85	1.71	-0.44	27.879	23.967	1.71	-14.89
2720	55.92	-2.52	1.93	-0.22	30.235	25.681	1.93	-15.06
2725	64.94	-1.87	2.53	0.38	35.414	29.527	2.53	-14.74
2730	65.59	-1.83	2.63	0.48	36.069	29.523	2.63	-15.66
2735	58.96	-2.29	2.17	0.02	32.681	26.28	2.17	-16.44
2740	56.53	-2.48	2.18	0.03	31.51	25.021	2.18	-17.53
2745	51.74	-2.86	1.89	-0.26	28.979	22.763	1.89	-18.35
2750	53.65	-2.7	2.04	-0.11	30.291	23.363	2.04	-18.58
2755	52.76	-2.78	1.89	-0.26	29.983	22.781	1.89	-18.31
2760	54.27	-2.65	2.05	-0.1	30.992	23.276	2.05	-18.65
2765	59.19	-2.28	2.49	0.34	33.872	25.317	2.49	-18.57
2770	59.73	-2.24	2.5	0.35	34.25	25.479	2.5	-18.45
2775	57.12	-2.43	2.28	0.13	32.804	24.314	2.28	-18.42
2780	56.18	-2.5	2.19	0.04	32.365	23.818	2.19	-18.06
2785	64.79	-1.88	2.92	0.77	37.411	27.383	2.92	-17.16
2790	63.97	-1.94	2.94	0.79	37.075	26.892	2.94	-16.69
2795	59.45	-2.26	2.69	0.54	34.617	24.832	2.69	-16.58
2800	57.44	-2.41	2.61	0.46	33.595	23.846	2.61	-16.5
2805	55.93	-2.52	2.61	0.46	32.859	23.067	2.61	-17.08
2810	62.12	-2.07	3.17	1.02	36.719	25.401	3.17	-17.19
2815	58.98	-2.29	2.92	0.77	35.066	23.918	2.92	-17.78
2820	58.16	-2.35	2.85	0.7	34.789	23.375	2.85	-18
2825	60.41	-2.19	2.97	0.82	36.238	24.17	2.97	-18.09
2830	62.82	-2.02	3.2	1.05	37.785	25.031	3.2	-18.19
2835	62.02	-2.07	3.1	0.95	37.344	24.676	3.1	-18.55
2840	54.74	-2.62	2.54	0.39	32.92	21.819	2.54	-18.81

2845	56.01	-2.52	2.53	0.38	33.621	22.392	2.53	-18.49
2850	56.56	-2.47	2.5	0.35	33.813	22.748	2.5	-17.79
2855	56.43	-2.48	2.42	0.27	33.569	22.86	2.42	-16.95
2860	50.68	-2.95	1.87	-0.28	29.967	20.717	1.87	-16.78
2865	49.21	-3.08	1.66	-0.49	28.877	20.331	1.66	-15.81
2870	51.38	-2.89	1.72	-0.43	29.901	21.48	1.72	-14.94
2875	49.57	-3.05	1.5	-0.65	28.685	20.885	1.5	-13.95
2880	50.72	-2.95	1.53	-0.62	29.288	21.427	1.53	-13.12
2885	49.38	-3.06	1.4	-0.75	28.552	20.829	1.4	-13.21
2890	50.13	-3	1.42	-0.73	29.082	21.047	1.42	-13.5
2895	50.18	-2.99	1.33	-0.82	29.222	20.962	1.33	-14.28
2900	50.13	-3	1.29	-0.86	29.285	20.846	1.29	-15.28
2905	48.41	-3.15	1.06	-1.09	28.377	20.035	1.06	-16.32
2910	46.73	-3.3	0.86	-1.29	27.403	19.324	0.86	-17.46
2915	48.31	-3.16	0.88	-1.27	28.348	19.965	0.88	-17.99
2920	46.51	-3.32	0.62	-1.53	27.272	19.236	0.62	-18.46
2925	43.47	-3.62	0.46	-1.69	25.377	18.097	0.46	-19.07
2930	40.47	-3.93	0.28	-1.87	23.62	16.852	0.28	-19.86
2935	40.65	-3.91	0.32	-1.83	23.773	16.88	0.32	-19.51
2940	41.03	-3.87	0.29	-1.86	24.034	16.994	0.29	-19.26
2945	41.25	-3.85	0.14	-2.01	24.242	17.011	0.14	-19.31
2950	38.21	-4.18	-0.27	-2.42	22.424	15.791	-0.27	-18.76
2955	34.19	-4.66	-0.93	-3.08	20.038	14.149	-0.93	-19.35
2960	38.92	-4.1	-0.3	-2.45	22.781	16.134	-0.3	-17.96
2965	41.36	-3.83	-0.11	-2.26	24.122	17.234	-0.11	-16.48
2970	36.88	-4.33	-0.62	-2.77	21.428	15.448	-0.62	-15.35
2975	37.37	-4.27	-0.43	-2.58	21.592	15.779	-0.43	-13.83
2980	36.9	-4.33	-0.43	-2.58	21.244	15.652	-0.43	-13.65
2985	38.21	-4.18	-0.39	-2.54	21.898	16.314	-0.39	-13.65
2990	35.74	-4.47	-0.73	-2.88	20.346	15.398	-0.73	-14.48
2995	36.04	-4.43	-0.62	-2.77	20.316	15.726	-0.62	-14.5
3000	35.33	-4.52	-0.53	-2.68	19.749	15.58	-0.53	-14.92

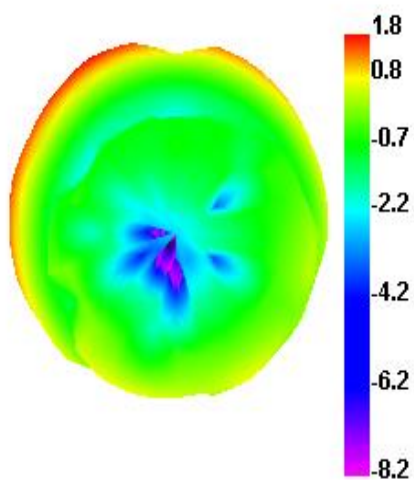
700.00MHz - 3000.00MHz Gain



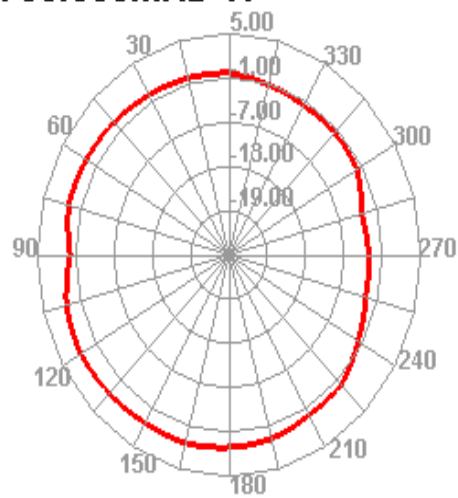
700.00MHz - 3000.00MHz Efficiency



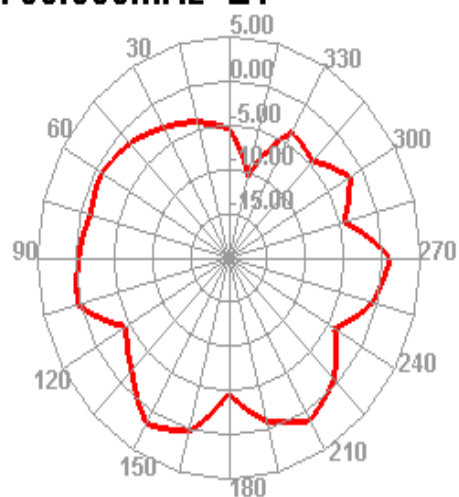
700.000MHz



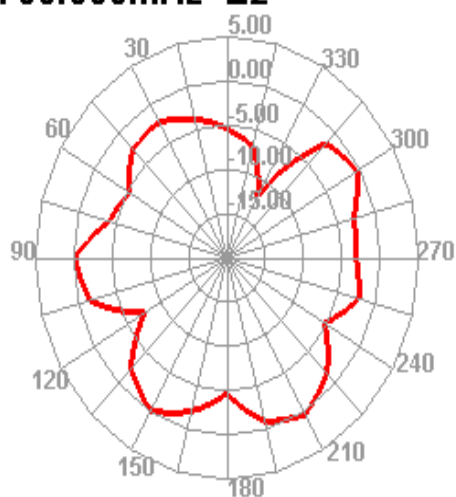
700.000MHz H



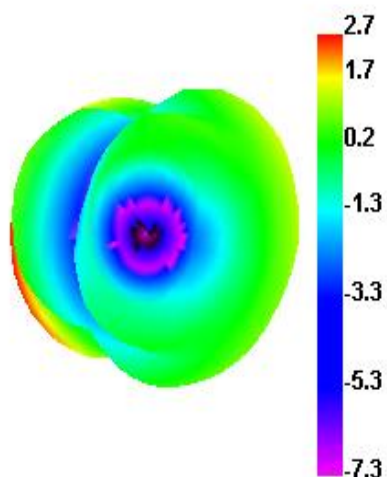
700.000MHz E1



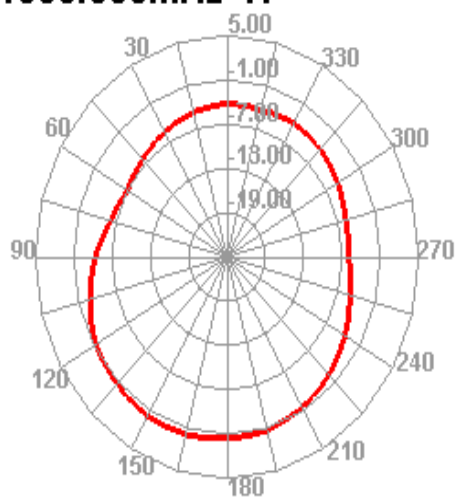
700.000MHz E2



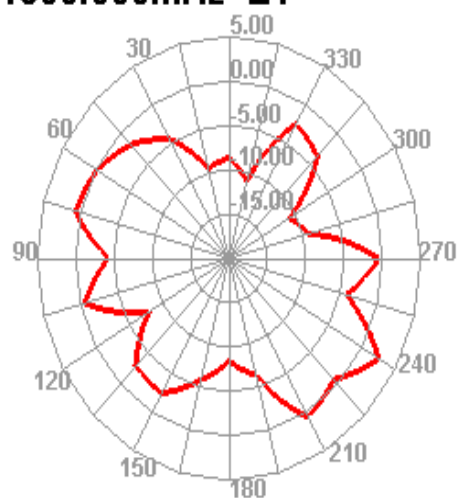
1800.000MHz



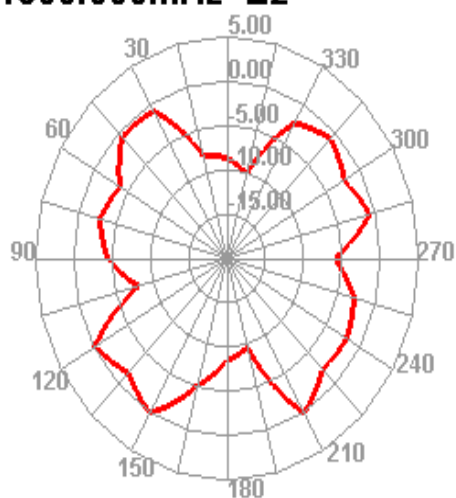
1800.000MHz H



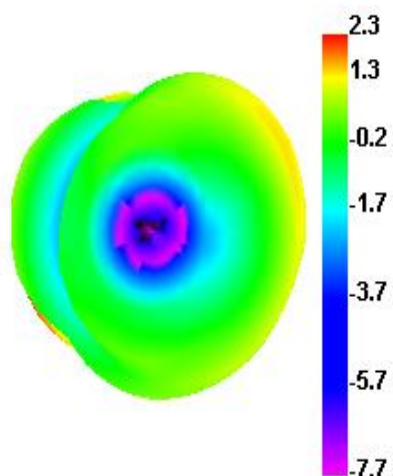
1800.000MHz E1



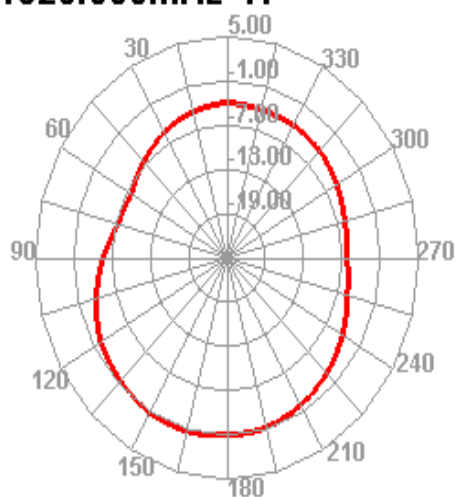
1800.000MHz E2



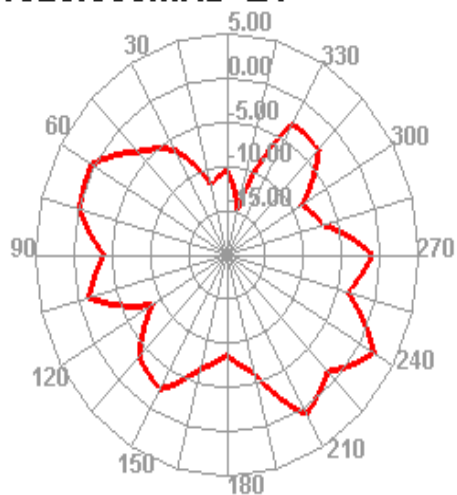
1820.000MHz



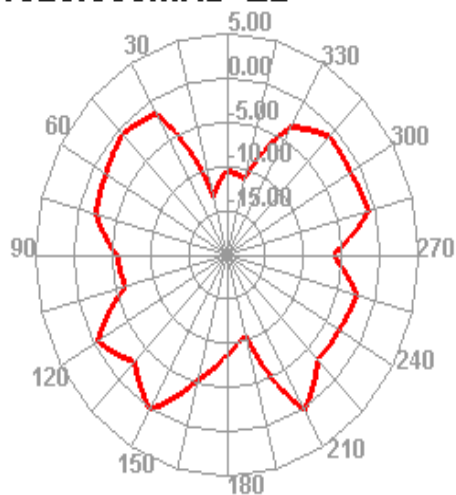
1820.000MHz H



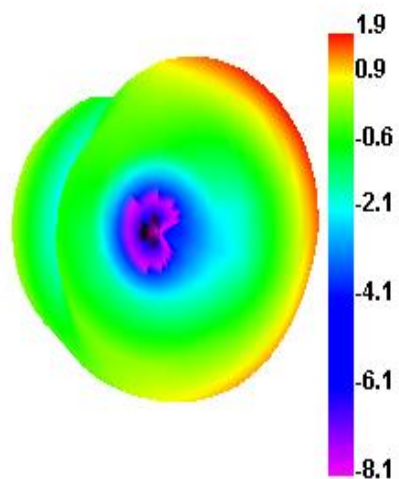
1820.000MHz E1



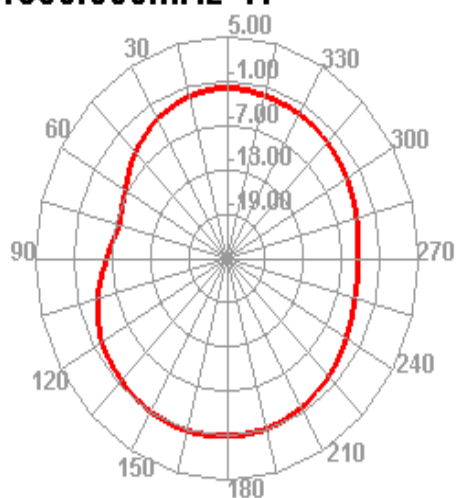
1820.000MHz E2



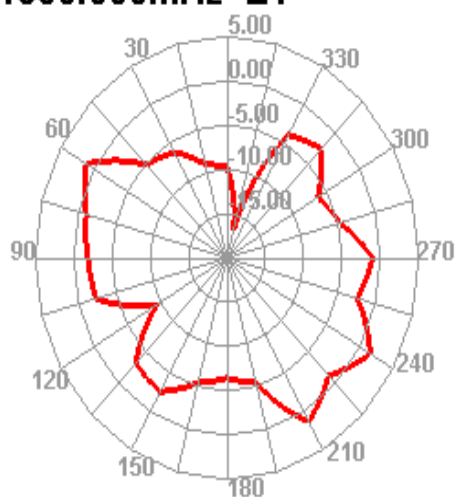
1850.000MHz



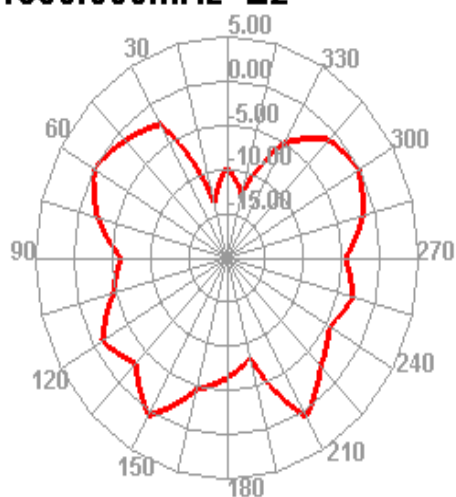
1850.000MHz H



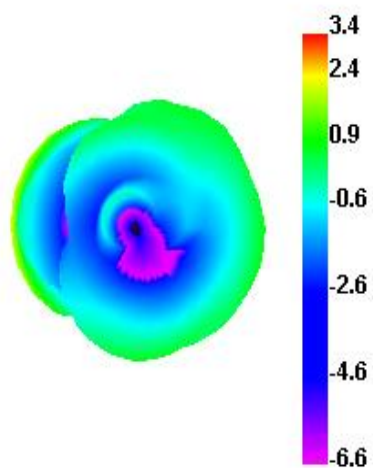
1850.000MHz E1



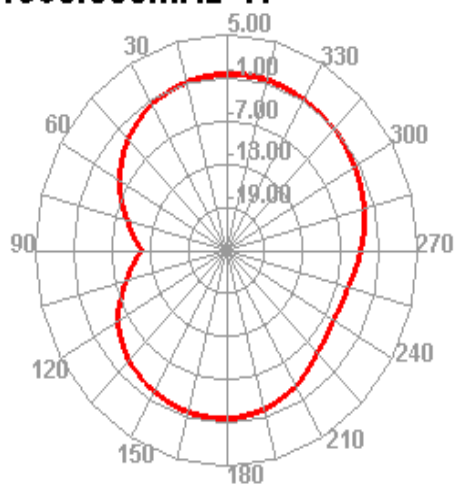
1850.000MHz E2



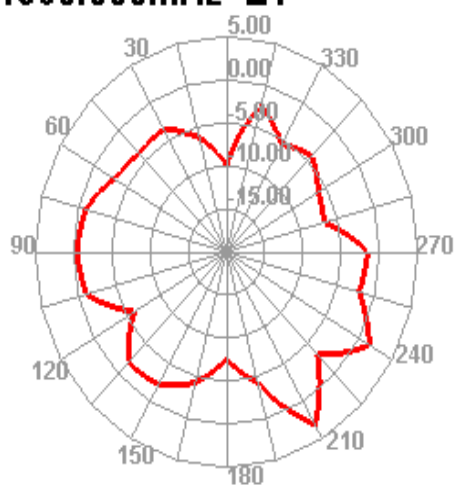
1960.000MHz



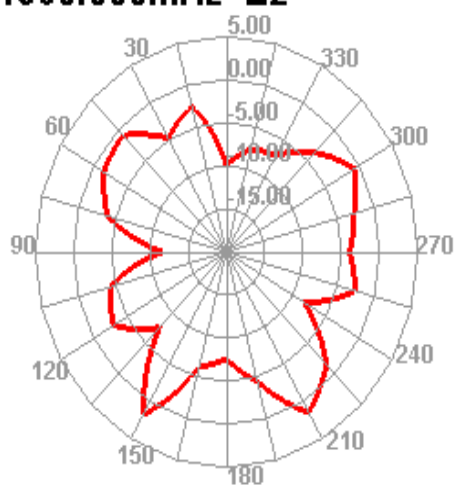
1960.000MHz H



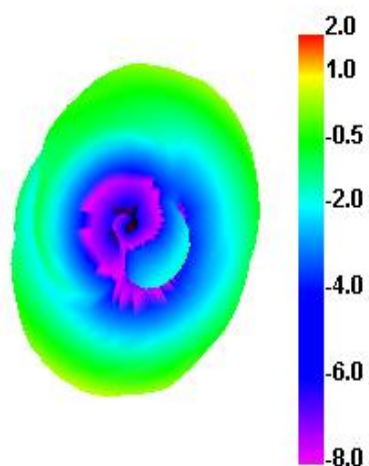
1960.000MHz E1



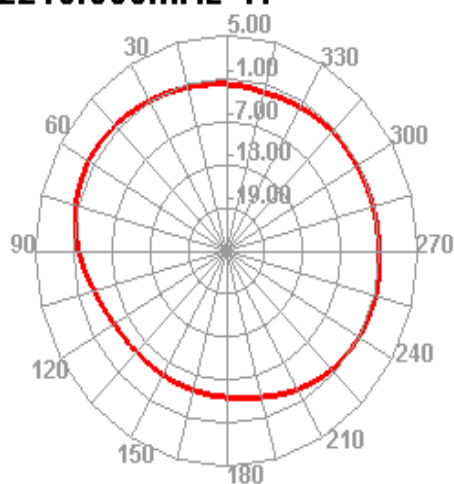
1960.000MHz E2



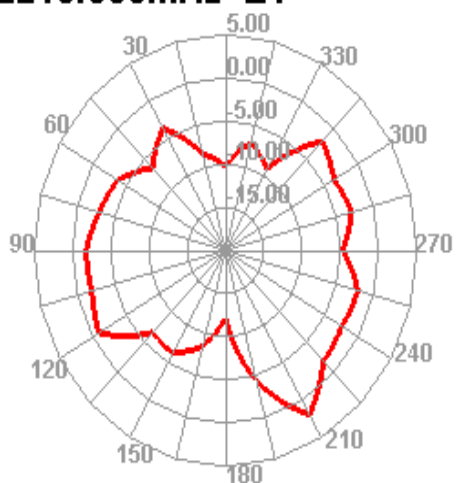
2210.000MHz



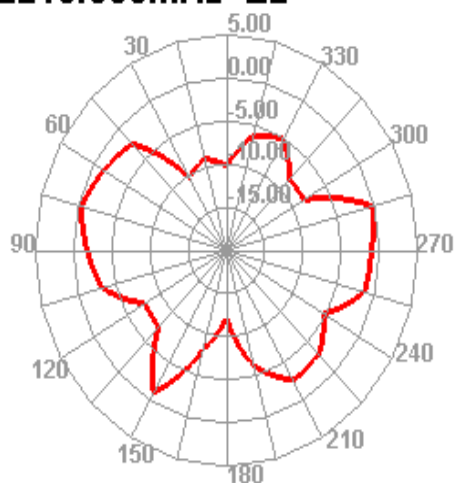
2210.000MHz H



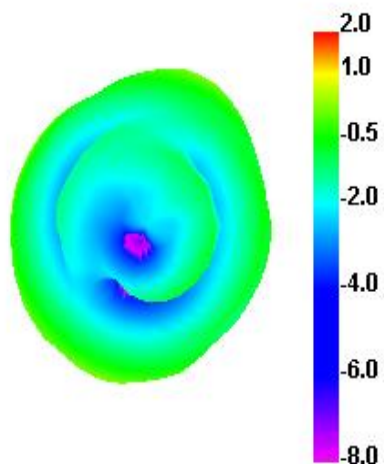
2210.000MHz E1



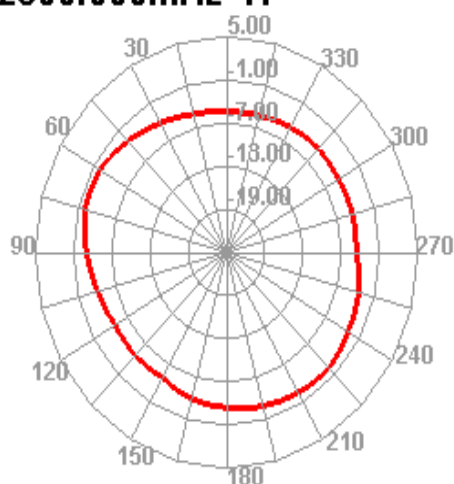
2210.000MHz E2



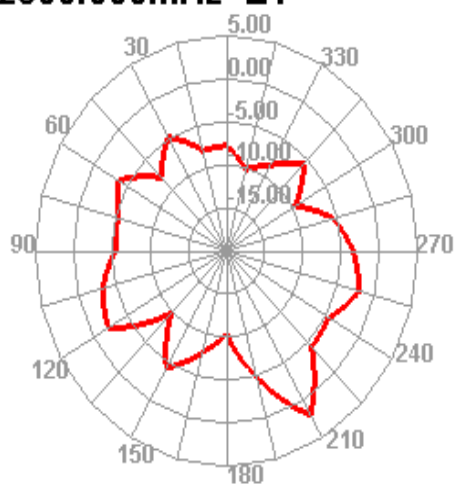
2300.000MHz



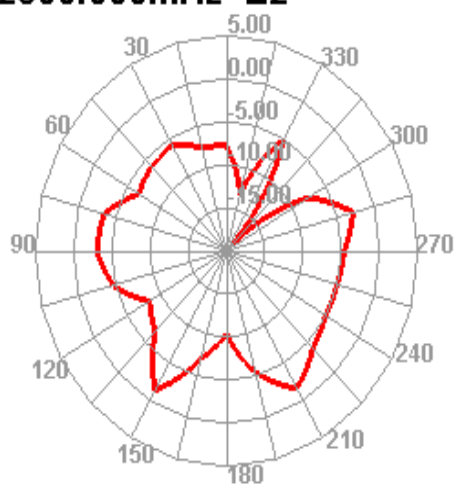
2300.000MHz H



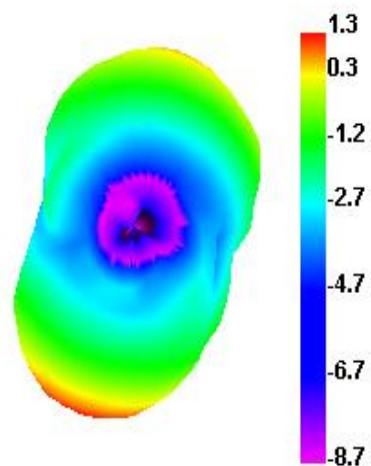
2300.000MHz E1



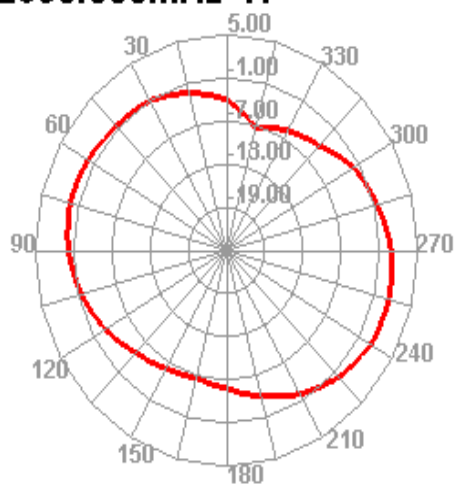
2300.000MHz E2



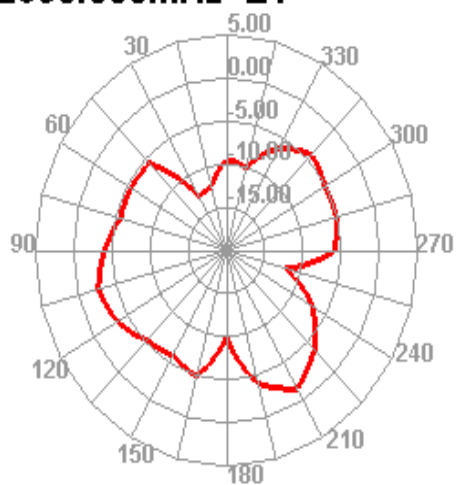
2690.000MHz



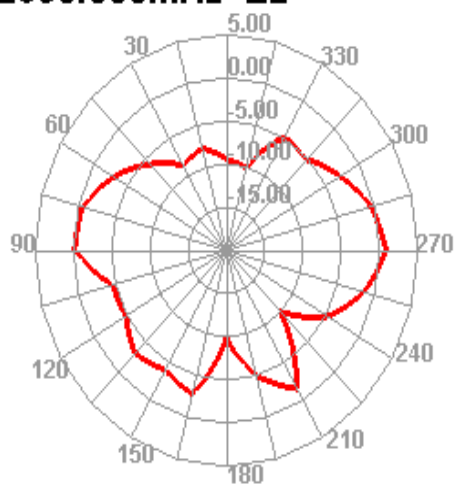
2690.000MHz H



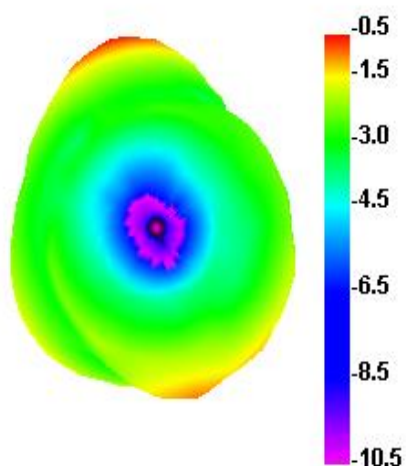
2690.000MHz E1



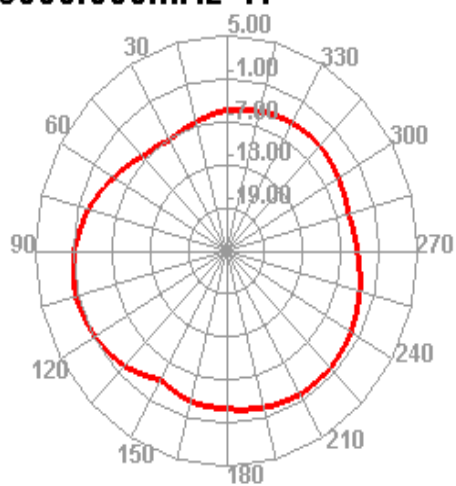
2690.000MHz E2



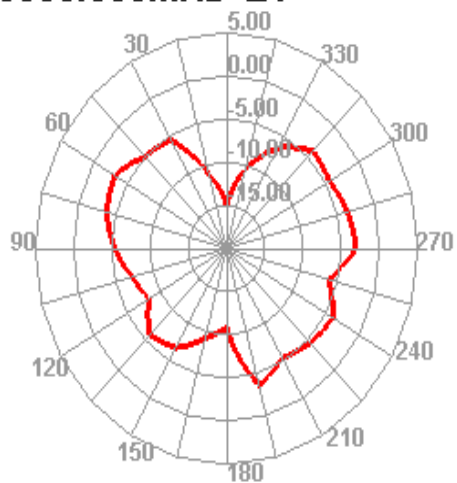
3000.000MHz



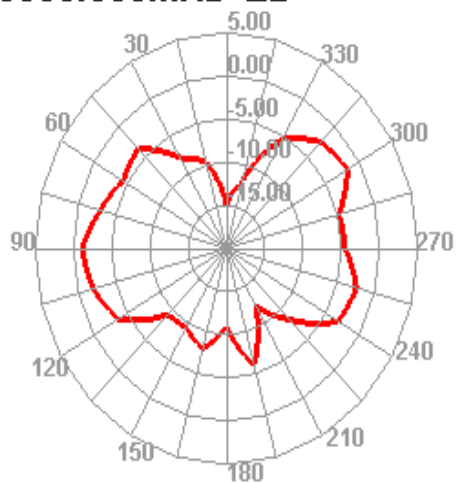
3000.000MHz H



3000.000MHz E1



3000.000MHz E2



4. Antenna Radiation Pattern

Testing Equipment Specification:

Antenna Anechoic Chamber Dimension: 8 x 4 x 4 m

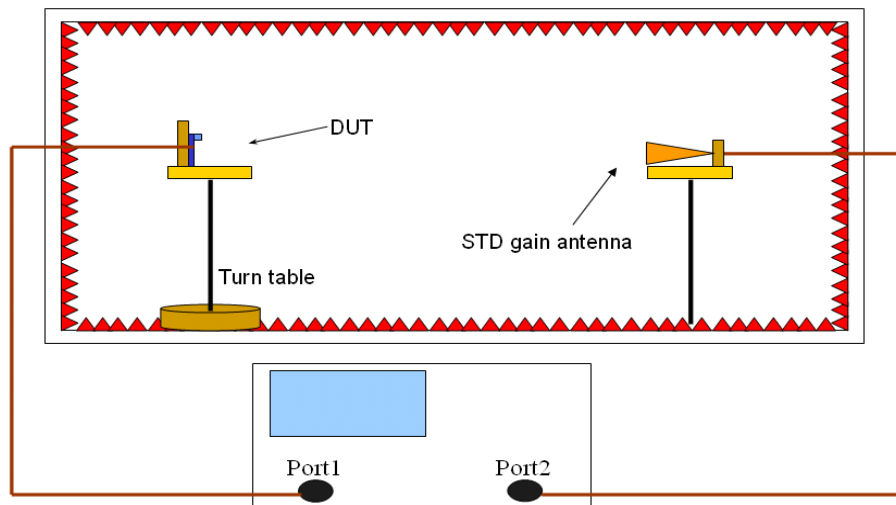
Quiet Zone: 600mm @1 GHz

Isolation: >100dB @ 1 MHz ~ 10 GHz

Testing Equipment: Agilent 5071B

Received Antenna: 0.7 ~ 6.0 GHz for Gain Calibration

Double Ridged Horn Antenna



Dongguan Hengxin Electronic Technology Co., Ltd.

型号 Type	RF-1.13	料号 P/N	XGN113/50-1001
结构图 Structure drawing			
结构特性 Structure drawing			
结构 Structure	项目 Item	标准值 Standard value	
1. 内导体 Inner conductor	材料 Material	镀银铜线 Silverplated copper wire	
	组成:总根数/单根外径(mm) Makeup:total / O.D. of every wire	7/0.08 ±0.005	
	(绞合)标称外径(mm) (Intertwist)NOM.O.D.(mm)	0.24±0.01	
2. 绝缘层 Insulation	材料 Material	聚全氟乙丙烯 FEP	
	颜色 Color	Natural	
	标称外径 Dia. (approx)	0.7± 0.03	
3. 外导体 Outer conductor	材料 Material	镀锡铜线 Tinned copper	
	组成:总根数/单根外径(mm)Makeup:total/O.D.of every wire (mm)	16/4/0.05±0.005	
	标称外径 Dia. (approx)	0.92±0.05	
4. 护套层 Jacket	材料 Material	聚全氟乙丙烯 FEP	
	颜色 Color	黑 Black	
	标称外径 Dia. (approx)	1.13±0.05	
电性能特性 Electrical characteristics			
项目 Item	标准值 Standard value	项目 Item	标准值 Standard value
特性阻抗 Characteristic impedance (Ω)	50±2.0	1GHz	≤2.1
最大工作频率 Max.operating frequency(MHz)	8000	2GHz	≤3.0
最大工作电压 Max.operating voltage(V)	AC 1000V for 1min	3GHz	≤3.7
电容 Capacitance(pF/m)	98	4GHz	≤4.35
驻波比 Standing wave ratio	≤1.3 @0~6GHz	5GHz	≤5.0
	≤1.4 @6~8GHz	6GHz	≤5.5
		7GHz	≤6.2
		8GHz	≤6.8
可靠性 Dependability			
项目 Item	单位 Unit	标准值 Standard value	
最小弯曲半径(一次/重复) Min.bending radius (static / repeated)	MM	4	
工作温度范围 Operating temperature	℃	-55~+200	
氟塑料收缩 Fluoroplastic shrink	MM	绝缘层: ≤0.2mm; 护套层: ≤0.3mm Insulation shrink:<0.20mm;Jacket shrink:<0.30mm	
包装 Packing			
项目 Item	单位 Unit	标准值 Standard value	
每轴长度 The length of each spool	M	1000	
每轴接头数 / 每段最短长度 Connectors per spool / The shortest length of each root	NO./M	≤3 / ≥10	
注意事项 Matters needing attention			
储存条件 Condition of storage	温度: 30℃以下; 湿度: 20%~65% 。 Temperature:Under 30℃;Humidity:20%~65%		
最佳储存周期 Optimal storage period	2个月; 电缆存放2个月以上可焊性会降低, 但电性能特性不受影响。在夏季高温高湿环境下电缆开剥后需尽快加工。 Two months;If the cable is stored for more than two months,the solderability will be reduced, but the electrical characteristics will not be affected. The cable needs to be procesed as soon as possible after stripping,under high temperature and high humidity in summer		
加工温度 Processing temperature	氟塑料在260℃, 可短时间承受; 300℃以上分子通常带有的等端基会分解; 400℃以上发生显著的热分解。 Fluoroplastic can endure short time at 260℃;Molecular with terminal groups will decompose over 300℃ and significantly decompose over 400℃		
结构层位移 Structural layer displacement	当电缆长度低于 50mm 时, 绝缘层和护套层易发生位移 The insulation layer and jacket layer are easily displaced,when the cable length is less than 50mm		