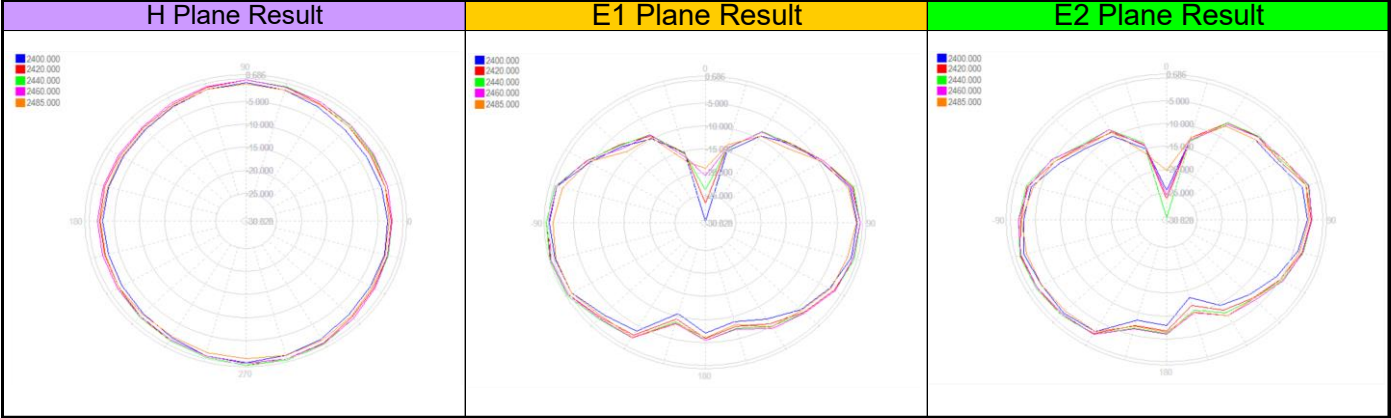


3D Radiation Pattern Measurement Results

1. Informations

Date	21.04.15
Customer	원탑테크놀로지
Model / Revision	HM-10 (Bluetooth Module 2.4GHz)
Test laboratory	Tellestar



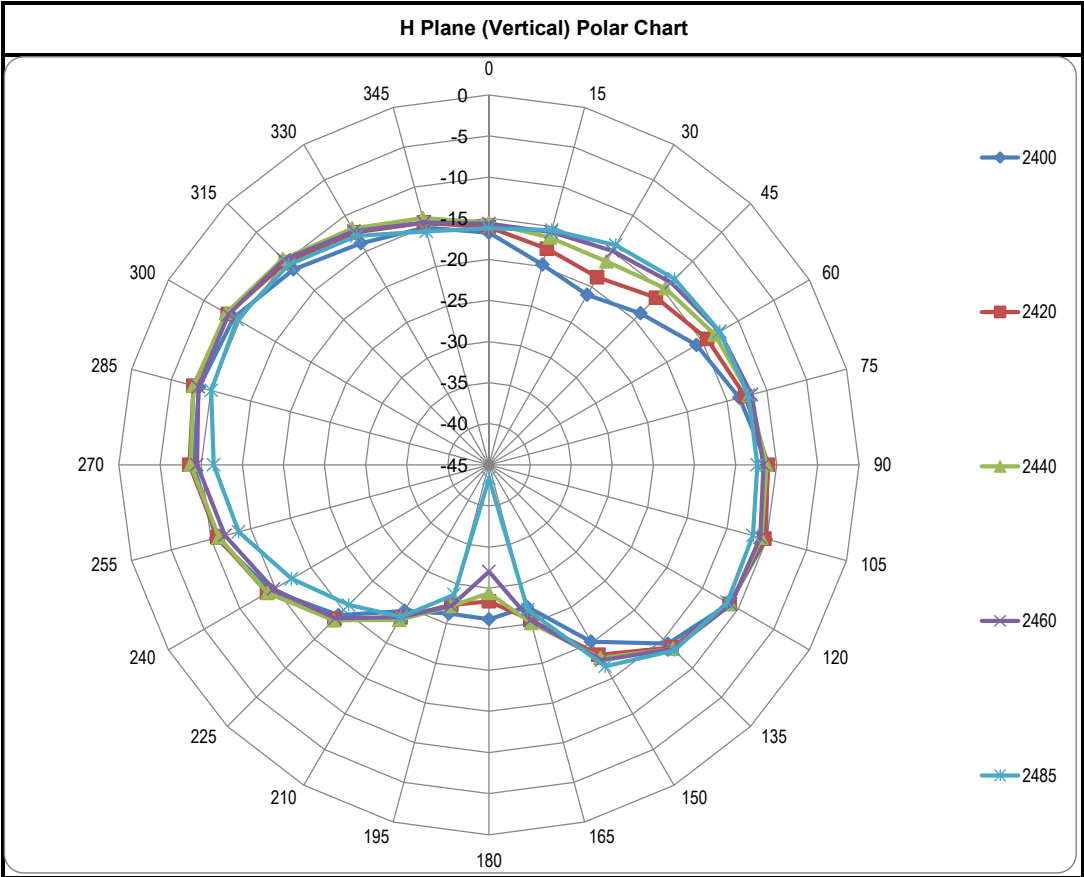
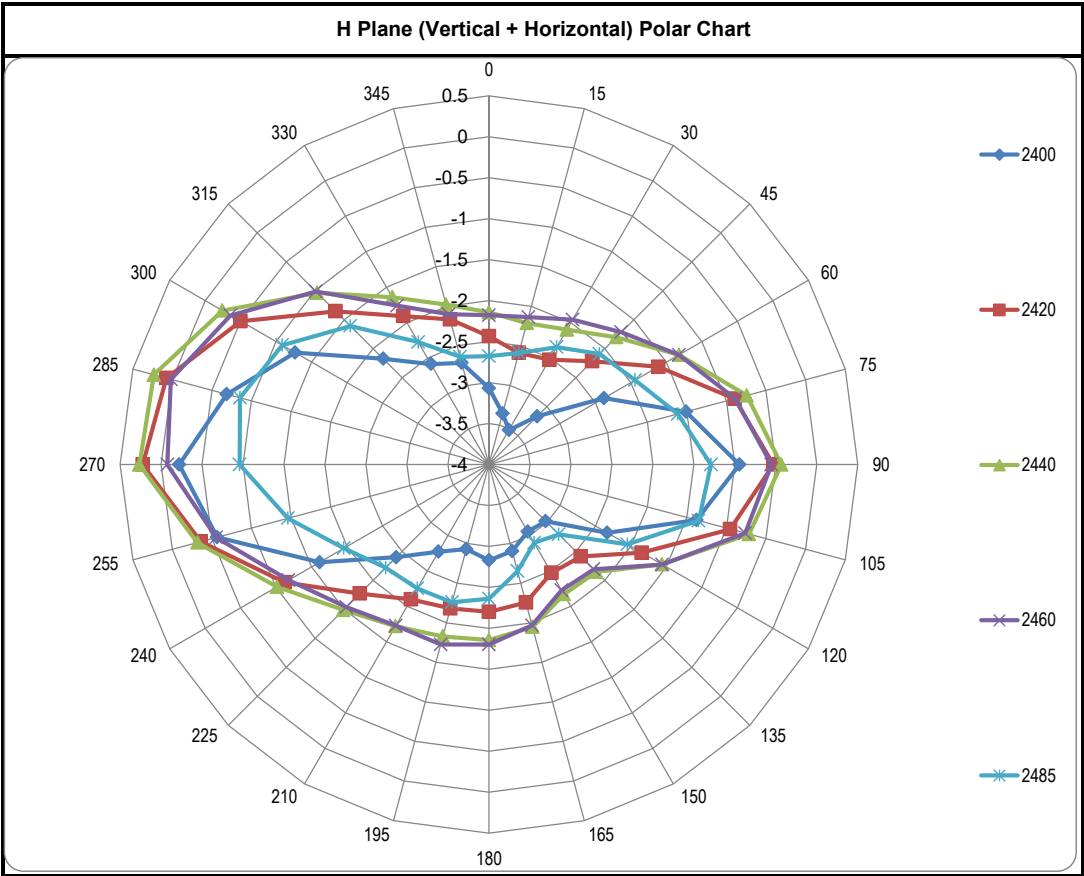
2. Test Results

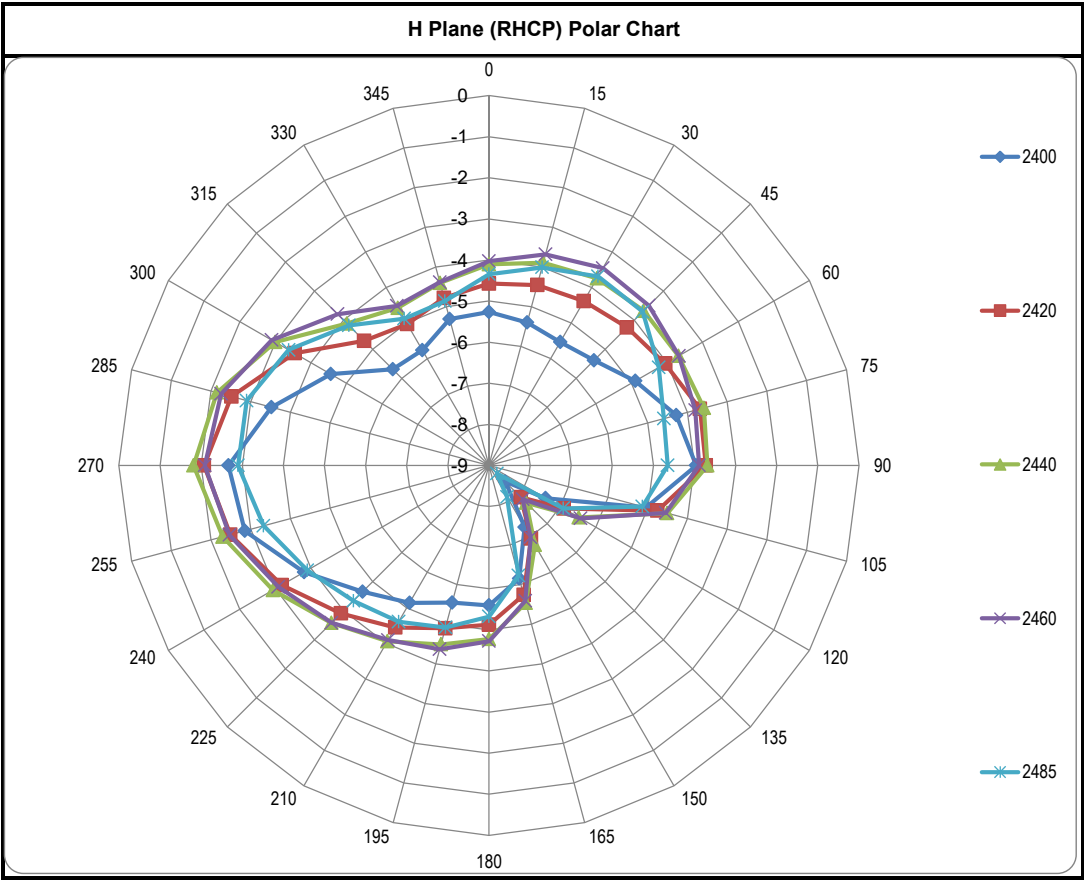
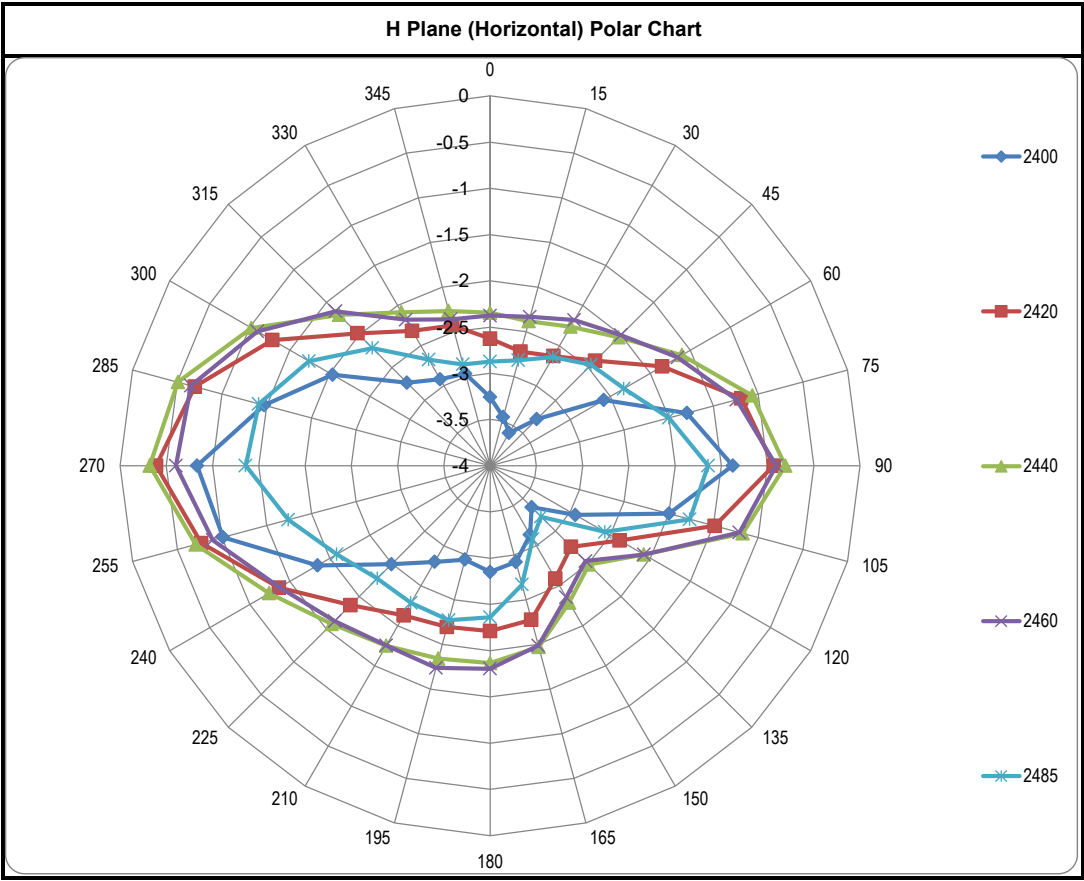
[illegible]

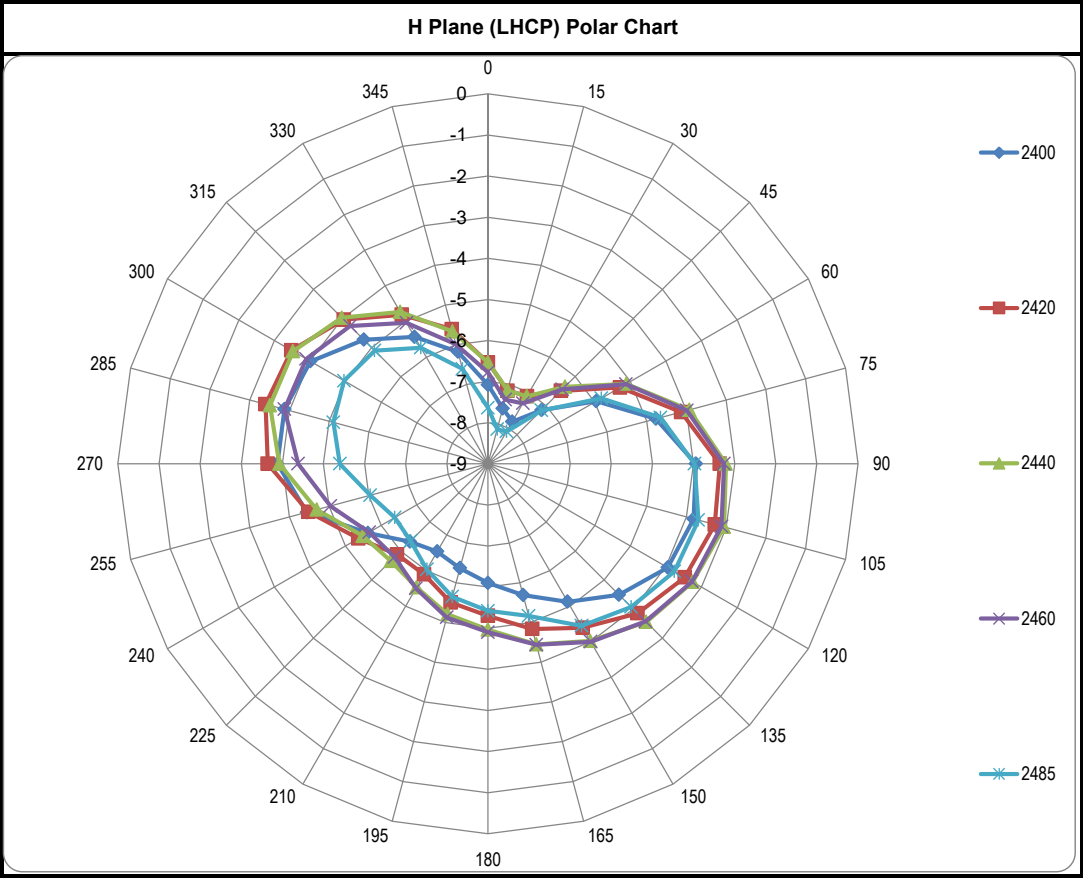
[illegible][illegible]

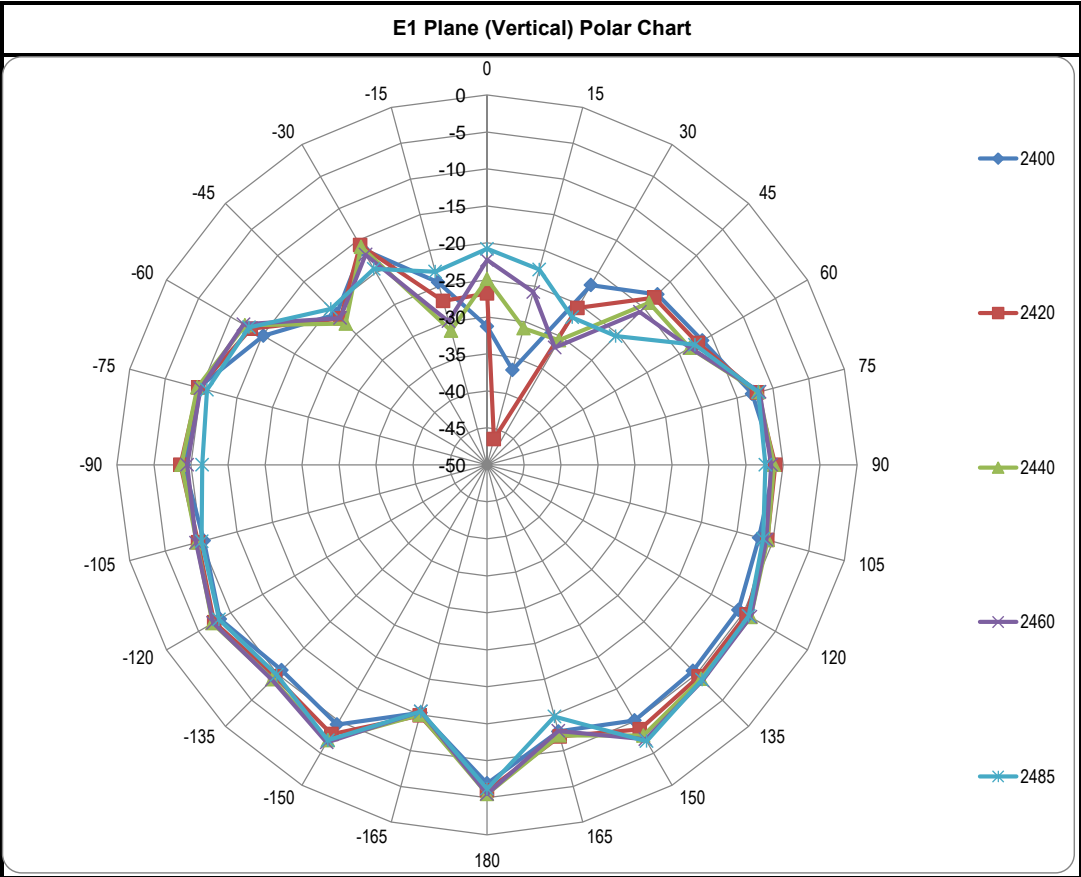
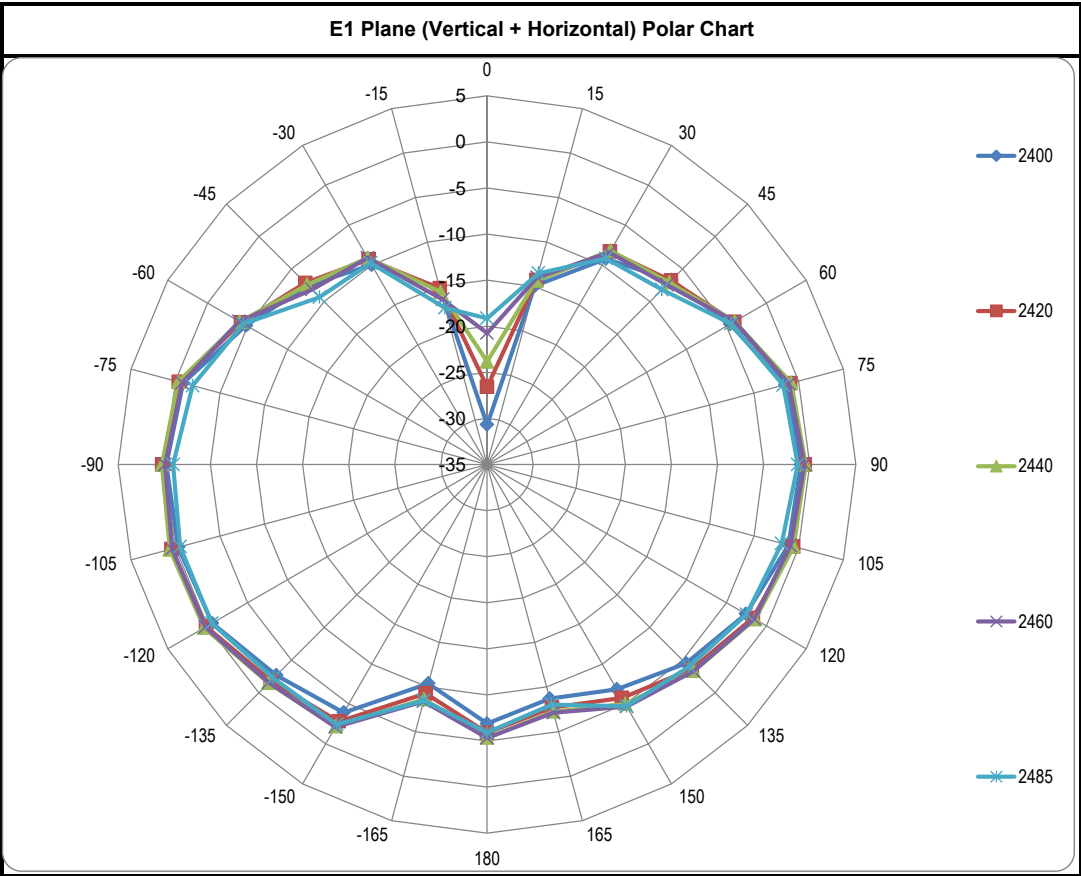
[illegible][illegible]

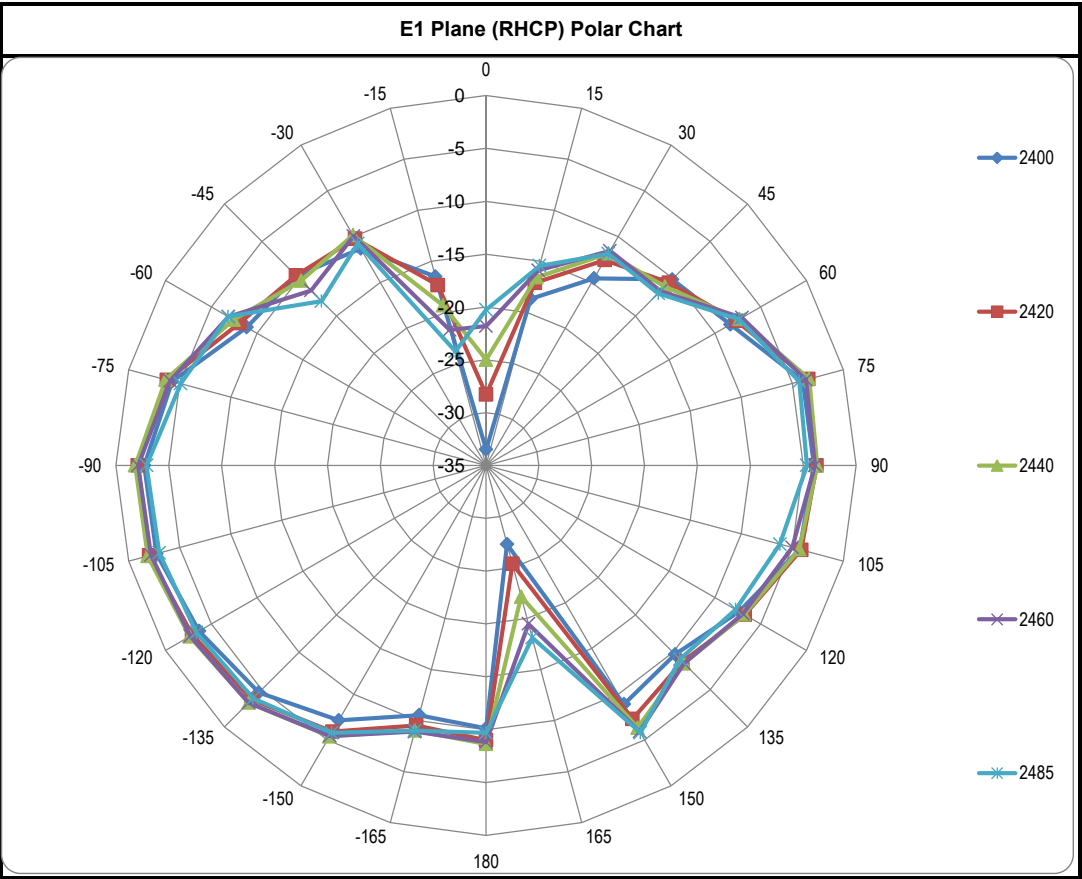
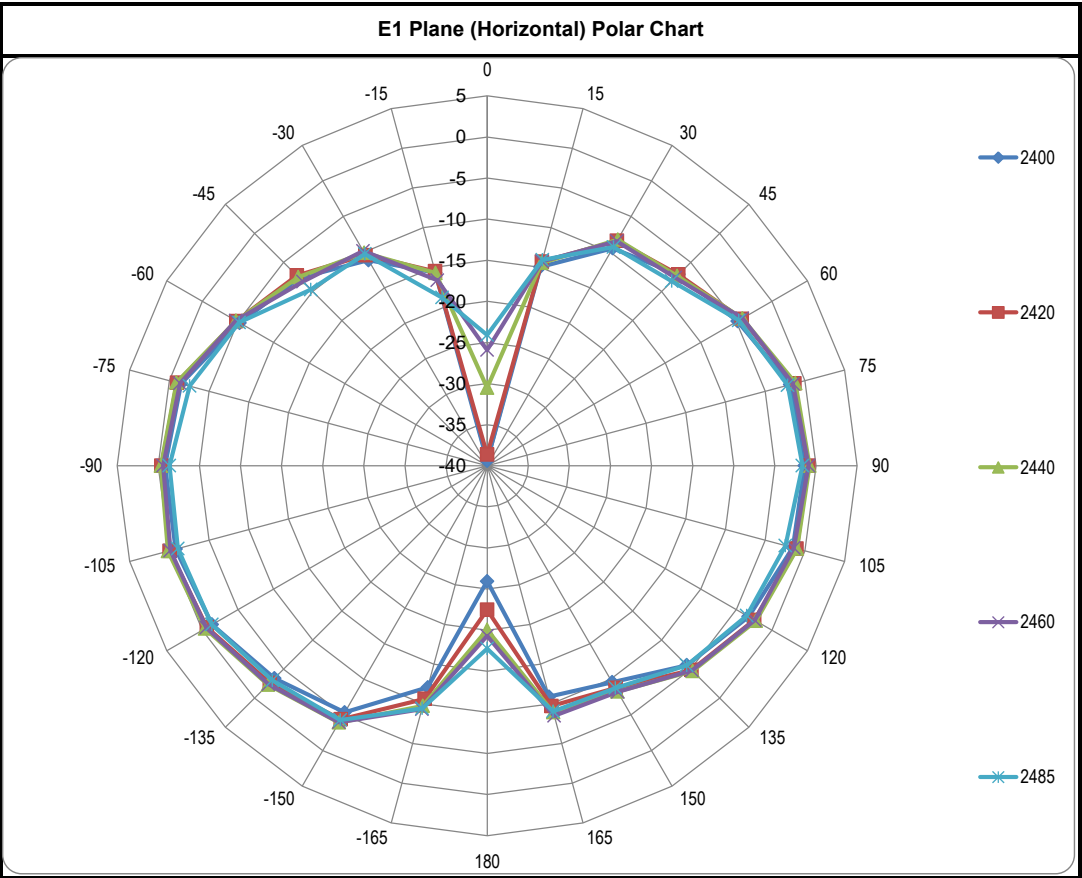
[illegible][illegible]



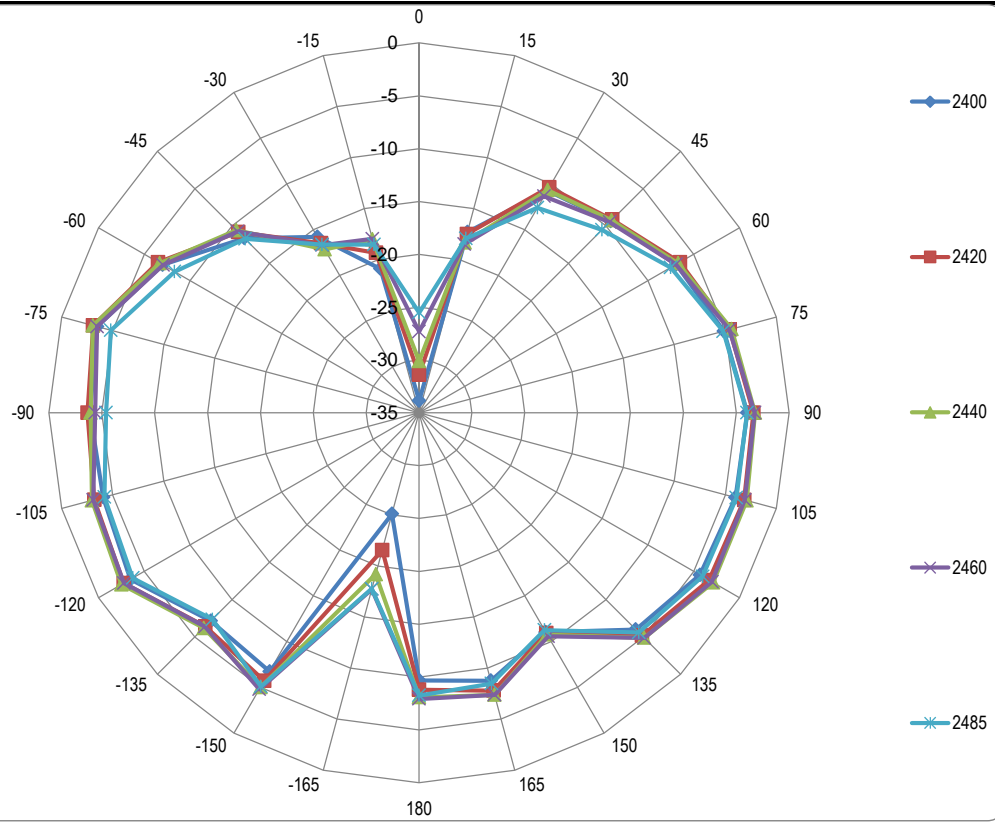




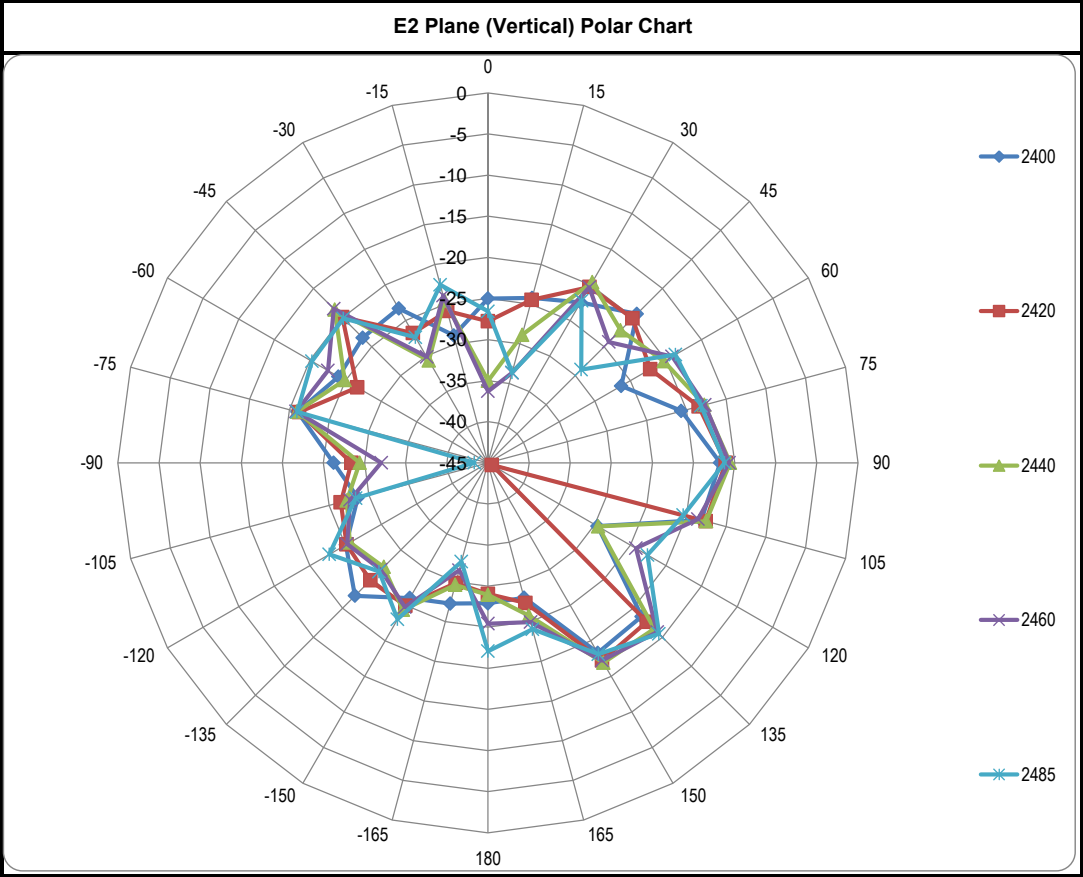
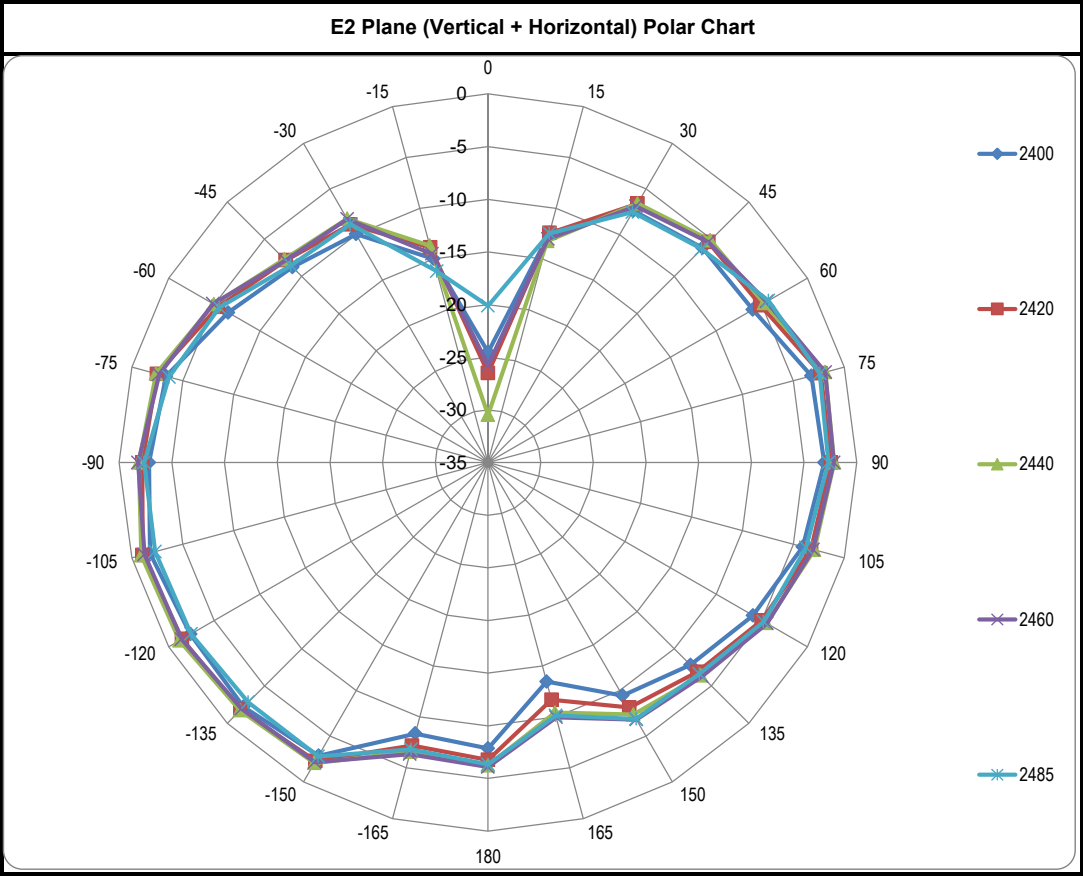


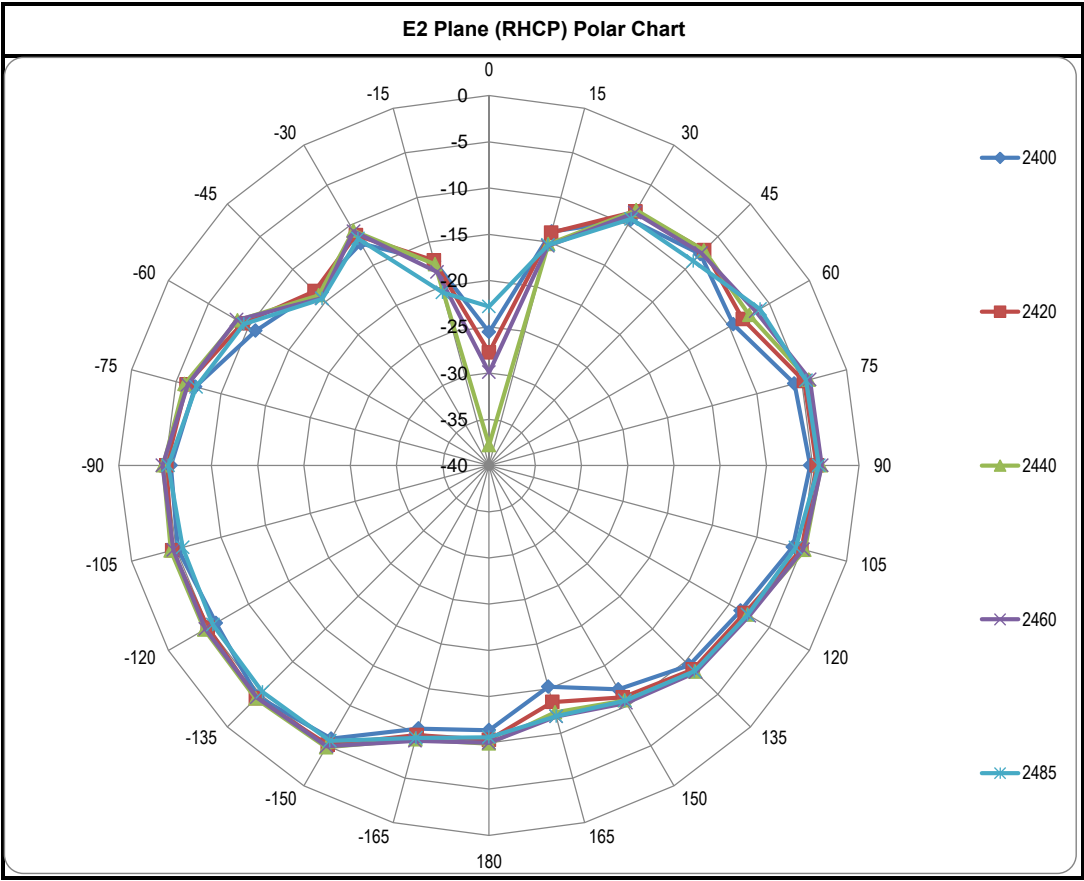
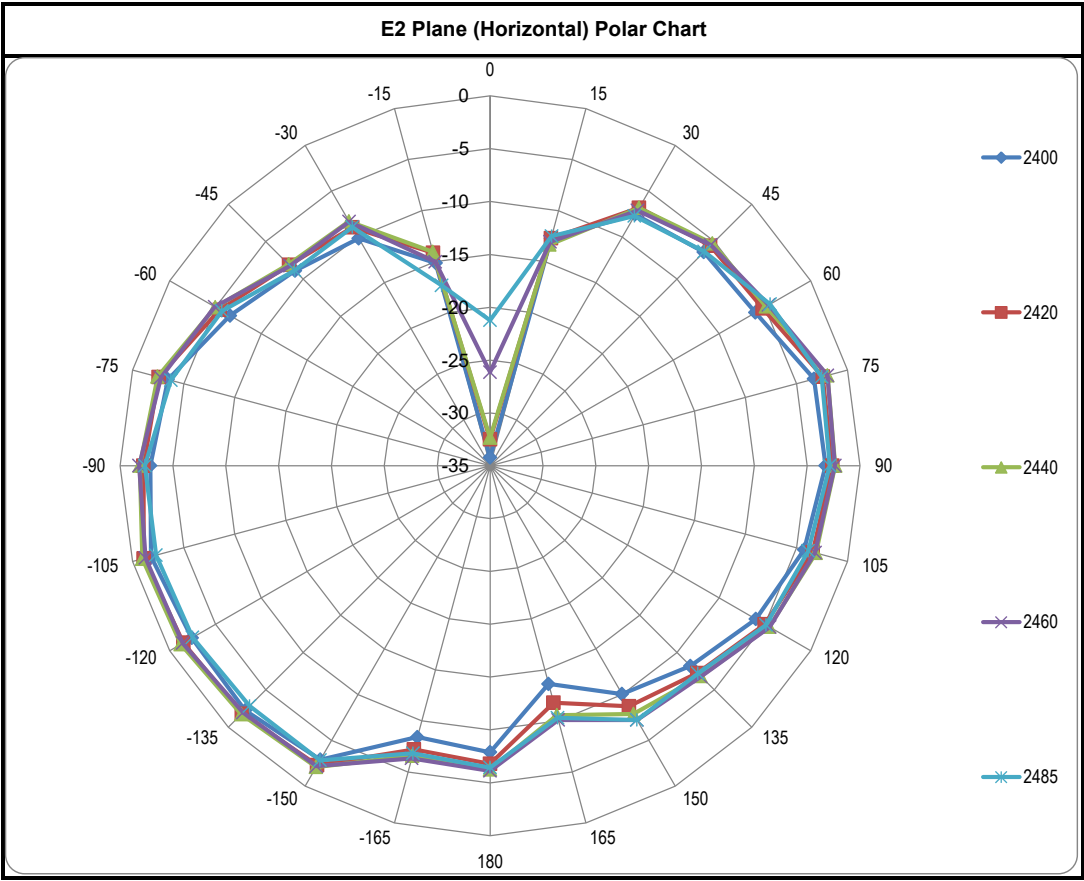


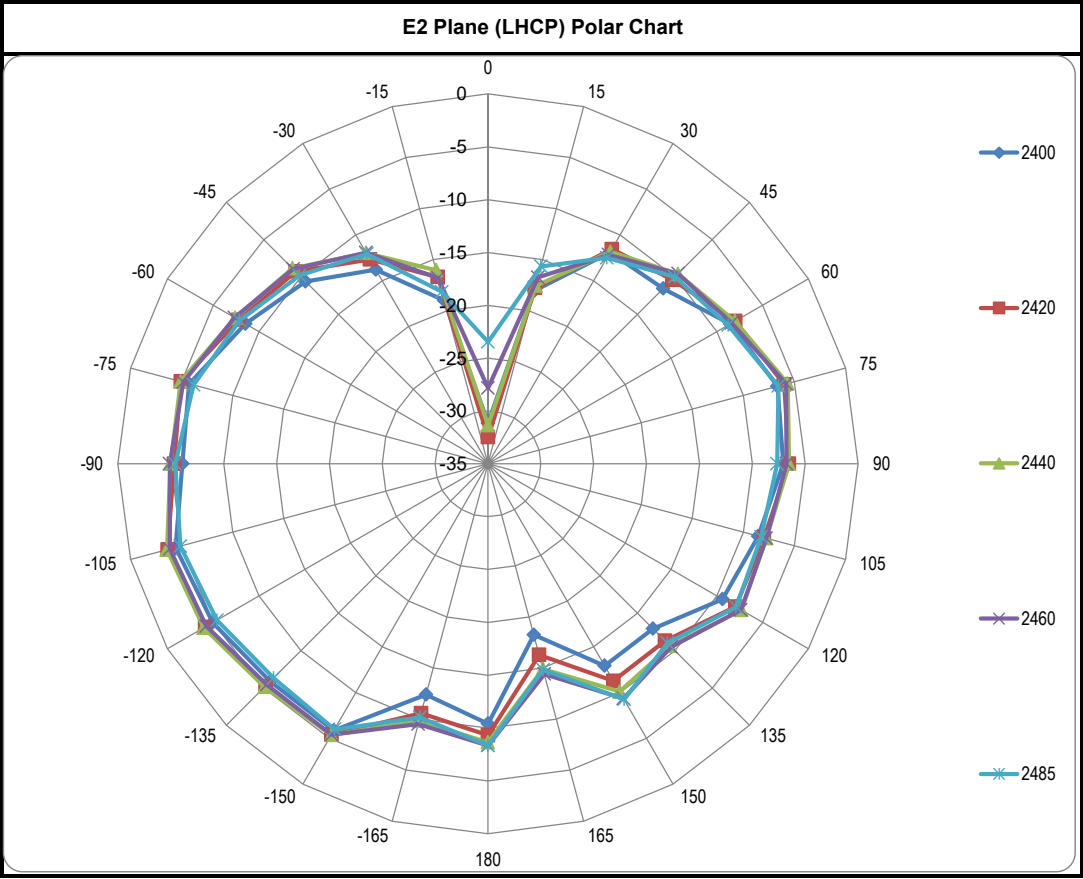
E1 Plane (LHCP) Polar Chart



[illegible]







Horizontal + Vertical													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-24.51	-12.43	-7.41	-6.19	-5.97	-3.21	-3.07	-4.06	-5.96	-7.81	-9.45	-13.46	-7.85
15	-25.76	-12.57	-7.51	-6.35	-5.72	-3.04	-3.35	-4.09	-5.75	-7.74	-9.61	-13.12	-7.59
30	-25.78	-12.59	-7.69	-6.26	-5.10	-2.68	-3.51	-4.03	-5.30	-7.61	-9.57	-12.41	-7.16
45	-27.32	-13.00	-7.81	-6.20	-4.51	-2.16	-3.17	-3.75	-4.82	-7.18	-8.95	-11.32	-6.98
60	-29.48	-13.66	-8.25	-6.09	-4.06	-1.57	-2.38	-3.21	-4.34	-6.33	-8.49	-10.37	-6.78
75	-30.83	-13.94	-8.70	-6.37	-4.08	-1.28	-1.51	-2.23	-3.54	-5.39	-7.63	-9.48	-6.59
90	-30.66	-14.93	-9.22	-6.70	-4.53	-1.52	-0.94	-1.13	-2.57	-4.46	-6.83	-8.69	-6.88
105	-30.40	-15.61	-9.90	-7.27	-4.88	-2.31	-1.38	-0.52	-1.62	-3.56	-5.88	-8.12	-7.86
120	-28.92	-16.11	-10.20	-7.97	-5.09	-2.70	-2.33	-0.82	-1.32	-3.07	-5.32	-8.01	-7.87
135	-27.47	-16.09	-10.24	-8.63	-5.37	-2.59	-3.02	-1.50	-1.42	-2.61	-4.66	-7.83	-8.00
150	-27.79	-15.57	-10.13	-9.01	-5.85	-2.63	-3.05	-2.02	-1.89	-2.42	-4.04	-8.03	-7.72
165	-26.73	-15.06	-9.95	-9.12	-6.29	-2.95	-2.91	-1.98	-2.32	-2.25	-3.46	-8.13	-7.63
180	-24.49	-14.96	-9.96	-8.76	-6.52	-3.37	-2.83	-1.77	-2.39	-2.20	-2.85	-8.36	-7.52
195	-23.11	-14.92	-10.29	-8.50	-6.59	-3.63	-2.93	-1.46	-2.10	-2.11	-2.29	-8.49	-7.66
210	-21.92	-15.00	-10.59	-8.58	-6.69	-3.70	-2.77	-1.17	-1.54	-1.89	-1.96	-8.71	-7.70
225	-21.07	-15.22	-10.79	-8.76	-6.81	-3.46	-2.40	-0.76	-0.90	-1.70	-1.96	-8.91	-7.84
240	-21.62	-15.42	-10.84	-8.85	-6.62	-2.87	-1.61	-0.30	-0.37	-1.66	-2.28	-9.13	-8.00
255	-21.95	-15.60	-10.54	-8.39	-5.90	-1.72	-0.57	0.02	-0.23	-2.08	-3.03	-9.92	-8.52
270	-22.17	-15.14	-9.97	-7.51	-4.82	-0.84	-0.22	-0.33	-0.56	-2.68	-3.93	-10.39	-8.63
285	-22.47	-14.61	-9.30	-6.61	-3.95	-0.48	-0.69	-0.83	-1.33	-3.74	-5.20	-11.15	-8.78
300	-22.82	-13.91	-8.58	-5.91	-3.72	-0.81	-1.27	-1.62	-2.40	-5.11	-6.66	-11.90	-8.87
315	-22.95	-13.41	-8.07	-5.56	-4.05	-1.69	-2.17	-2.19	-3.50	-6.35	-7.70	-12.47	-8.69
330	-23.20	-12.99	-7.72	-5.59	-4.78	-2.57	-2.58	-2.77	-4.74	-7.32	-8.65	-13.34	-8.55
345	-23.28	-12.55	-7.51	-5.88	-5.51	-3.13	-2.71	-3.50	-5.63	-7.84	-9.20	-13.53	-8.21
360	-24.51	-12.43	-7.41	-6.19	-5.97	-3.21	-3.07	-4.06	-5.96	-7.81	-9.45	-13.46	-7.85
Avg.	-24.50	-14.40	-9.23	-7.30	-5.38	-2.45	-2.30	-1.92	-2.61	-4.01	-5.20	-9.99	-7.96
	Peak Value		0.017	Minimum Value		-30.828							

Horizontal													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-34.23	-12.73	-7.55	-6.40	-6.01	-3.29	-3.26	-4.24	-5.97	-8.20	-10.06	-13.62	-7.89
15	-35.70	-12.91	-7.61	-6.59	-5.73	-3.15	-3.45	-4.27	-5.96	-8.04	-10.50	-13.12	-8.05
30	-33.99	-12.88	-7.75	-6.52	-5.20	-2.86	-3.59	-4.28	-5.82	-7.98	-11.24	-12.64	-8.53
45	-35.44	-13.16	-7.84	-6.50	-4.72	-2.39	-3.29	-4.13	-5.67	-7.94	-11.88	-12.03	-9.92
60	-37.26	-13.70	-8.28	-6.39	-4.34	-1.84	-2.58	-3.66	-5.42	-7.51	-12.21	-11.77	-12.22
75	-39.21	-13.95	-8.77	-6.71	-4.40	-1.59	-1.80	-2.67	-4.53	-6.78	-11.26	-11.41	-16.24
90	-39.41	-14.96	-9.45	-7.09	-4.83	-1.84	-1.38	-1.51	-3.29	-5.66	-9.59	-10.90	-25.94
105	-34.34	-15.79	-10.36	-7.72	-5.11	-2.60	-2.00	-0.96	-2.07	-4.35	-7.60	-10.10	-22.31
120	-31.81	-16.40	-10.84	-8.53	-5.24	-2.85	-2.94	-1.35	-1.70	-3.52	-6.39	-9.57	-15.40
135	-30.60	-16.30	-10.88	-9.26	-5.47	-2.67	-3.37	-2.01	-1.77	-2.85	-5.26	-8.74	-11.71
150	-31.17	-15.65	-10.60	-9.61	-5.95	-2.72	-3.14	-2.34	-2.15	-2.57	-4.34	-8.44	-9.57
165	-31.44	-15.06	-10.22	-9.49	-6.39	-3.05	-2.92	-2.08	-2.45	-2.34	-3.57	-8.25	-8.27
180	-29.56	-15.14	-10.16	-8.91	-6.60	-3.45	-2.85	-1.78	-2.42	-2.25	-2.88	-8.41	-7.61
195	-28.64	-15.44	-10.54	-8.60	-6.63	-3.66	-2.95	-1.47	-2.12	-2.15	-2.30	-8.69	-7.71
210	-27.42	-16.01	-11.07	-8.69	-6.72	-3.73	-2.80	-1.22	-1.66	-2.00	-2.04	-9.19	-8.23
225	-26.36	-16.50	-11.65	-8.90	-6.89	-3.56	-2.49	-0.87	-1.22	-1.95	-2.20	-9.75	-9.44
240	-27.91	-16.71	-12.00	-9.01	-6.81	-3.13	-1.85	-0.50	-0.91	-2.10	-2.80	-10.35	-11.47
255	-30.99	-16.32	-11.84	-8.57	-6.22	-2.12	-1.01	-0.33	-0.97	-2.67	-3.96	-11.50	-16.03
270	-34.27	-15.68	-11.12	-7.70	-5.25	-1.46	-0.83	-0.78	-1.36	-3.41	-5.35	-12.08	-22.60
285	-40.86	-14.87	-10.23	-6.81	-4.44	-1.21	-1.47	-1.30	-2.13	-4.61	-7.26	-12.91	-23.46
300	-43.14	-14.10	-9.19	-6.09	-4.26	-1.62	-2.03	-2.01	-3.03	-6.16	-9.18	-13.46	-16.03
315	-41.45	-13.56	-8.46	-5.75	-4.56	-2.36	-2.73	-2.46	-3.99	-7.47	-10.08	-13.93	-12.01
330	-34.91	-13.16	-7.99	-5.79	-5.24	-3.08	-2.92	-3.03	-5.02	-8.29	-10.30	-14.25	-9.81
345	-32.60	-12.81	-7.69	-6.08	-5.78	-3.35	-2.97	-3.71	-5.69	-8.44	-10.02	-14.10	-8.50
360	-34.23	-12.73	-7.55	-6.40	-6.01	-3.29	-3.26	-4.24	-5.97	-8.20	-10.06	-13.62	-7.89
Avg.	-32.05	-14.71	-9.60	-7.57	-5.63	-2.76	-2.63	-2.21	-3.06	-4.49	-6.03	-10.95	-10.85
	Peak Value		-0.330	Minimum Value		-43.142							

Vertical													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-25.00	-24.24	-22.46	-19.38	-26.29	-20.66	-16.77	-18.14	-29.60	-18.56	-18.29	-28.01	-27.90
15	-26.22	-23.75	-24.23	-19.13	-30.72	-19.27	-19.78	-18.07	-18.95	-19.43	-16.95	-46.20	-17.65
30	-26.49	-24.43	-26.51	-18.57	-21.39	-16.62	-21.13	-16.64	-14.78	-18.46	-14.53	-25.18	-12.83
45	-28.05	-27.30	-29.32	-18.05	-17.76	-14.94	-18.93	-14.49	-12.34	-15.12	-12.05	-19.58	-10.06
60	-30.27	-33.84	-30.11	-17.73	-16.16	-13.68	-15.84	-13.32	-10.89	-12.54	-10.89	-15.95	-8.24
75	-31.51	-44.84	-26.21	-17.52	-15.59	-12.90	-13.47	-12.43	-10.44	-10.99	-10.09	-13.92	-7.09
90	-31.28	-36.72	-21.95	-17.41	-16.41	-12.91	-11.15	-11.93	-10.76	-10.63	-10.10	-12.69	-6.94
105	-32.65	-29.50	-19.95	-17.38	-17.72	-14.22	-10.13	-10.62	-11.64	-11.38	-10.73	-12.49	-8.02
120	-32.06	-28.04	-18.80	-17.13	-20.00	-17.41	-11.21	-10.19	-12.12	-13.10	-11.93	-13.23	-8.72
135	-30.37	-29.30	-18.92	-17.34	-21.95	-20.10	-14.21	-11.02	-12.57	-15.25	-13.55	-15.09	-10.40
150	-30.46	-32.86	-20.08	-17.92	-22.10	-19.72	-20.16	-13.52	-14.34	-17.16	-15.92	-18.50	-12.32
165	-28.52	-48.05	-22.10	-19.97	-22.65	-19.39	-27.11	-18.10	-17.50	-19.17	-19.47	-24.05	-16.22
180	-26.11	-28.96	-23.32	-23.48	-24.01	-21.03	-26.22	-28.60	-25.05	-22.13	-26.00	-27.26	-24.34
195	-24.53	-24.42	-22.91	-24.94	-27.00	-25.60	-26.26	-28.74	-27.09	-21.76	-28.82	-21.89	-27.33
210	-23.35	-21.83	-20.43	-24.36	-28.91	-25.85	-24.47	-20.08	-17.18	-17.67	-19.09	-18.49	-17.09
225	-22.60	-21.15	-18.25	-23.98	-24.15	-19.81	-19.12	-16.62	-12.45	-14.16	-14.71	-16.44	-12.95
240	-22.78	-21.31	-17.15	-23.24	-20.24	-15.21	-14.44	-13.63	-9.67	-11.86	-11.75	-15.22	-10.61
255	-22.53	-23.76	-16.43	-22.11	-17.30	-12.22	-10.66	-11.14	-8.25	-11.06	-10.20	-15.07	-9.37
270	-22.45	-24.47	-16.31	-21.20	-15.10	-9.61	-9.02	-10.36	-8.32	-10.73	-9.47	-15.32	-8.80
285	-22.53	-27.02	-16.45	-19.98	-13.65	-8.60	-8.50	-10.72	-9.04	-11.16	-9.44	-15.93	-8.93
300	-22.86	-27.65	-17.42	-19.81	-13.08	-8.48	-9.18	-12.28	-11.06	-11.80	-10.23	-17.11	-9.80
315	-23.02	-28.09	-18.69	-19.26	-13.58	-10.18	-11.38	-14.36	-13.20	-12.78	-11.44	-17.92	-11.41
330	-23.50	-27.35	-20.03	-19.21	-14.74	-12.11	-13.86	-15.25	-16.77	-14.27	-13.65	-20.56	-14.54
345	-23.82	-24.89	-21.40	-19.28	-17.72	-16.20	-15.14	-16.68	-24.04	-16.74	-16.87	-22.67	-20.09
360	-25.00	-24.24	-22.46	-19.38	-26.29	-20.66	-16.77	-18.14	-29.60	-18.56	-18.29	-28.01	-27.90
Avg.	-25.34	-25.98	-20.08	-19.53	-17.92	-14.01	-13.58	-13.74	-12.64	-13.87	-12.81	-16.99	-11.09
Peak Value		-6.938		Minimum Value		-48.048							

RHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-25.58	-13.82	-9.32	-7.69	-9.48	-5.82	-5.27	-5.98	-8.59	-9.41	-12.03	-15.22	-11.37
15	-26.83	-13.78	-9.47	-7.76	-8.27	-4.98	-5.40	-5.69	-7.76	-9.04	-10.85	-16.06	-10.83
30	-26.45	-13.86	-9.81	-7.72	-7.09	-4.25	-5.53	-5.52	-7.12	-8.88	-9.85	-17.86	-10.17
45	-27.98	-14.62	-10.28	-7.82	-6.27	-3.62	-5.38	-5.40	-7.07	-9.06	-8.97	-19.45	-9.89
60	-30.24	-15.90	-11.30	-8.03	-6.01	-3.10	-4.89	-5.46	-7.50	-9.27	-8.84	-22.65	-9.74
75	-32.29	-16.75	-12.49	-8.91	-6.71	-3.06	-4.28	-5.07	-7.81	-9.57	-8.75	-26.38	-9.67
90	-33.49	-18.68	-14.56	-10.11	-8.31	-3.99	-3.96	-4.28	-7.37	-9.71	-8.90	-27.28	-10.11
105	-36.02	-20.75	-16.86	-11.51	-9.29	-5.65	-5.04	-3.92	-5.99	-8.88	-8.79	-21.66	-11.55
120	-33.46	-21.76	-17.97	-13.25	-9.61	-6.51	-7.41	-4.68	-5.26	-7.67	-8.64	-18.60	-11.72
135	-32.27	-20.71	-16.88	-14.85	-9.63	-6.10	-8.44	-6.34	-5.18	-6.37	-8.01	-15.40	-11.98
150	-32.05	-19.26	-14.94	-15.88	-10.18	-5.91	-7.27	-7.30	-5.64	-5.58	-7.34	-13.26	-11.61
165	-30.54	-17.88	-13.40	-15.26	-10.76	-6.42	-6.15	-6.47	-6.09	-4.99	-6.58	-11.77	-11.29
180	-28.04	-17.15	-12.28	-13.39	-10.86	-7.13	-5.60	-5.19	-5.92	-4.63	-5.88	-10.55	-11.05
195	-26.43	-16.81	-11.90	-11.97	-10.41	-7.35	-5.55	-4.12	-5.16	-4.34	-5.23	-9.99	-10.94
210	-25.17	-16.73	-11.60	-11.15	-9.98	-7.14	-5.14	-3.33	-4.24	-4.03	-4.86	-9.68	-10.80
225	-24.72	-16.77	-11.40	-10.80	-9.66	-6.62	-4.66	-2.70	-3.37	-3.77	-4.86	-9.51	-10.77
240	-25.82	-16.63	-11.39	-10.48	-9.55	-6.01	-3.81	-2.16	-2.86	-3.66	-5.22	-9.48	-11.02
255	-26.36	-16.89	-11.40	-10.17	-9.34	-4.95	-2.85	-2.02	-2.93	-4.07	-6.06	-10.10	-11.82
270	-26.83	-16.49	-11.30	-9.64	-8.86	-4.27	-2.66	-2.71	-3.66	-4.60	-7.15	-10.54	-12.49
285	-26.41	-16.33	-11.18	-9.03	-8.29	-4.13	-3.52	-3.66	-4.77	-5.56	-9.00	-11.28	-13.33
300	-26.70	-15.72	-10.88	-8.35	-8.23	-4.75	-4.56	-4.70	-6.01	-6.88	-11.44	-12.09	-14.02
315	-25.40	-15.47	-10.43	-7.77	-8.63	-5.89	-5.69	-5.13	-7.22	-8.20	-13.99	-12.72	-13.97
330	-24.74	-15.00	-9.96	-7.50	-9.51	-6.93	-5.76	-5.30	-8.49	-9.39	-15.32	-13.91	-13.43
345	-24.25	-14.18	-9.49	-7.58	-10.00	-6.84	-5.31	-5.79	-9.14	-9.79	-13.80	-14.43	-12.42
360	-25.58	-13.82	-9.32	-7.69	-9.48	-5.82	-5.27	-5.98	-8.59	-9.41	-12.03	-15.22	-11.37
Avg.	-27.43	-16.45	-11.74	-9.80	-8.92	-5.45	-5.16	-4.66	-5.86	-6.57	-8.11	-13.09	-11.51
Peak Value		-2.017		Minimum Value		-36.024							

LHCP													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-31.14	-18.06	-11.90	-11.54	-8.53	-6.66	-7.08	-8.54	-9.37	-12.93	-12.93	-18.23	-10.40
15	-32.37	-18.71	-11.93	-11.93	-9.24	-7.48	-7.61	-9.22	-10.05	-13.61	-15.67	-16.20	-10.39
30	-34.25	-18.56	-11.82	-11.70	-9.44	-7.86	-7.81	-9.41	-9.95	-13.55	-21.60	-13.86	-10.17
45	-35.82	-18.06	-11.44	-11.29	-9.28	-7.59	-7.16	-8.75	-8.75	-11.73	-32.14	-12.05	-10.09
60	-37.39	-17.60	-11.22	-10.52	-8.49	-6.83	-5.96	-7.14	-7.20	-9.40	-19.64	-10.63	-9.84
75	-36.28	-17.17	-11.04	-9.91	-7.51	-6.00	-4.77	-5.43	-5.57	-7.47	-14.05	-9.57	-9.53
90	-33.87	-17.30	-10.72	-9.35	-6.89	-5.14	-3.94	-4.01	-4.32	-6.00	-11.03	-8.75	-9.69
105	-31.80	-17.20	-10.88	-9.33	-6.83	-5.02	-3.82	-3.17	-3.59	-5.07	-8.99	-8.32	-10.29
120	-30.81	-17.49	-10.99	-9.49	-6.99	-5.03	-3.95	-3.12	-3.57	-4.91	-8.04	-8.41	-10.18
135	-29.23	-17.93	-11.31	-9.81	-7.42	-5.16	-4.49	-3.22	-3.80	-4.98	-7.35	-8.67	-10.21
150	-29.83	-17.99	-11.88	-10.01	-7.85	-5.39	-5.12	-3.54	-4.27	-5.29	-6.79	-9.57	-10.00
165	-29.06	-18.26	-12.55	-10.33	-8.21	-5.55	-5.69	-3.88	-4.69	-5.54	-6.36	-10.60	-10.07
180	-27.01	-18.99	-13.79	-10.59	-8.51	-5.74	-6.10	-4.41	-4.95	-5.88	-5.85	-12.38	-10.06
195	-25.83	-19.45	-15.40	-11.10	-8.92	-6.04	-6.37	-4.85	-5.07	-6.07	-5.38	-13.83	-10.43
210	-24.69	-19.83	-17.41	-12.07	-9.44	-6.33	-6.54	-5.24	-4.88	-5.99	-5.08	-15.69	-10.62
225	-23.53	-20.43	-19.60	-13.03	-9.98	-6.33	-6.32	-5.18	-4.53	-5.91	-5.09	-17.79	-10.93
240	-23.70	-21.53	-20.09	-13.90	-9.70	-5.76	-5.63	-4.87	-3.97	-5.99	-5.35	-20.17	-11.01
255	-23.91	-21.51	-18.00	-13.12	-8.52	-4.51	-4.44	-4.26	-3.57	-6.43	-6.03	-23.74	-11.25
270	-23.99	-20.89	-15.78	-11.62	-7.00	-3.47	-3.88	-4.07	-3.49	-7.14	-6.73	-25.09	-10.92
285	-24.71	-19.47	-13.84	-10.30	-5.94	-2.94	-3.88	-4.02	-3.95	-8.40	-7.55	-26.55	-10.65
300	-25.10	-18.59	-12.45	-9.57	-5.62	-3.05	-4.02	-4.57	-4.88	-9.87	-8.42	-25.61	-10.46
315	-26.62	-17.64	-11.83	-9.54	-5.91	-3.77	-4.73	-5.26	-5.90	-10.94	-8.86	-24.91	-10.21
330	-28.44	-17.32	-11.68	-10.09	-6.56	-4.55	-5.43	-6.33	-7.12	-11.53	-9.70	-22.44	-10.26
345	-30.27	-17.60	-11.87	-10.77	-7.42	-5.55	-6.18	-7.37	-8.19	-12.26	-11.05	-20.82	-10.28
360	-31.14	-18.06	-11.90	-11.54	-8.53	-6.66	-7.08	-8.54	-9.37	-12.93	-12.93	-18.23	-10.40
Avg.	-27.59	-18.64	-12.81	-10.88	-7.92	-5.47	-5.46	-5.21	-5.39	-7.52	-8.32	-12.91	-10.49
	Peak Value		-2.940	Minimum Value		-37.393							

AR													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	10.18	12.42	16.63	13.21	25.26	26.33	19.67	16.70	26.93	14.00	25.71	15.32	25.12
15	10.21	11.16	17.02	12.55	25.06	16.90	17.97	13.95	17.66	11.81	11.35	41.73	31.92
30	7.51	11.56	18.76	12.93	17.44	13.77	17.67	13.12	15.84	11.62	4.60	12.92	74.21
45	7.47	14.20	23.53	14.11	15.32	12.98	19.86	14.40	20.35	16.34	1.21	7.91	38.81
60	8.18	20.23	46.53	16.92	16.98	13.48	24.20	20.36	35.33	42.83	5.15	4.45	44.33
75	12.93	32.49	21.57	24.78	26.84	15.52	31.03	33.78	17.86	18.39	10.57	2.52	41.69
90	33.28	22.03	13.24	27.25	21.74	23.54	59.04	36.11	15.20	13.55	18.27	2.07	32.25
105	12.44	13.92	9.60	18.07	17.03	28.83	23.04	27.39	17.26	13.32	38.84	3.80	22.79
120	16.41	12.37	8.38	13.42	16.48	21.40	14.12	20.96	20.25	16.07	29.19	5.55	21.10
135	15.23	16.00	10.17	11.00	17.96	25.41	13.02	15.00	22.05	21.98	28.49	8.66	19.90
150	17.90	22.69	15.17	9.75	17.48	30.41	18.23	13.43	22.03	35.61	30.02	13.59	20.73
165	21.47	33.37	26.17	11.16	16.73	26.06	31.58	16.62	21.91	29.97	37.89	23.40	23.09
180	24.55	19.52	21.20	15.96	17.41	21.93	30.79	27.02	25.06	22.85	55.38	19.56	24.92
195	29.25	16.44	14.03	26.03	21.37	22.48	26.48	27.55	45.19	20.06	41.50	13.25	30.67
210	31.25	15.05	9.83	25.45	30.18	26.70	21.91	19.18	28.59	18.96	37.90	9.56	39.39
225	23.31	13.65	7.13	17.86	34.78	35.70	20.40	16.99	23.50	18.24	37.45	7.06	40.58
240	18.33	11.22	6.70	14.23	41.07	37.15	19.63	16.20	23.93	17.49	42.69	5.23	65.73
255	17.04	11.71	8.82	15.49	26.53	32.01	20.80	17.84	28.69	17.42	57.87	3.67	29.61
270	15.82	12.11	11.95	18.89	19.41	26.81	23.14	22.15	40.19	16.77	32.27	3.29	20.94
285	20.24	14.94	16.39	22.79	17.46	23.30	33.75	33.61	26.49	15.80	21.55	3.02	16.30
300	20.75	15.72	20.95	23.04	16.52	20.24	30.13	42.56	23.76	15.36	15.27	3.72	13.87
315	23.05	18.10	21.91	19.90	16.15	18.31	25.19	42.20	22.39	16.12	10.83	4.36	13.44
330	13.58	17.55	20.10	16.58	15.50	17.32	34.54	24.51	22.08	18.22	10.11	6.84	14.88
345	9.54	14.22	17.32	14.80	16.64	22.57	26.07	20.83	25.27	17.01	16.10	9.07	18.26
360	10.18	12.42	16.63	13.21	25.26	26.33	19.67	16.70	26.93	14.00	25.71	15.32	25.12
Avg.	23.63	23.01	32.71	20.24	28.92	28.05	45.13	32.67	33.18	30.01	46.11	27.89	60.82
	Peak Value		74.207	Minimum Value		1.209							

Horizontal + Vertical													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-26.51	-12.44	-6.62	-5.40	-5.14	-2.31	-2.43	-3.24	-5.00	-6.88	-8.14	-11.68	-6.77
15	-27.85	-12.46	-6.67	-5.57	-4.96	-2.25	-2.59	-3.42	-4.98	-6.99	-8.26	-11.35	-6.43
30	-27.15	-12.53	-6.90	-5.65	-4.48	-1.87	-2.52	-3.24	-4.52	-6.85	-8.15	-10.76	-6.06
45	-27.46	-12.74	-7.03	-5.73	-3.89	-1.45	-2.22	-2.88	-3.93	-6.39	-7.73	-9.97	-5.83
60	-27.02	-13.28	-7.45	-5.83	-3.51	-0.93	-1.61	-2.28	-3.24	-5.53	-7.05	-9.14	-5.64
75	-27.52	-13.77	-7.91	-6.23	-3.61	-0.70	-0.89	-1.51	-2.52	-4.46	-6.44	-8.33	-5.47
90	-26.57	-14.29	-8.32	-6.77	-4.03	-0.95	-0.53	-0.60	-1.70	-3.58	-5.73	-7.70	-5.89
105	-27.24	-15.03	-8.80	-7.26	-4.38	-1.63	-0.95	-0.12	-1.04	-2.96	-5.12	-7.18	-6.65
120	-27.05	-15.21	-9.10	-7.77	-4.59	-2.12	-1.85	-0.29	-0.68	-2.48	-4.52	-6.99	-6.91
135	-27.51	-14.91	-9.13	-8.12	-4.68	-2.11	-2.41	-0.84	-0.79	-2.19	-3.95	-6.84	-6.81
150	-26.74	-14.34	-9.05	-8.15	-4.88	-2.02	-2.48	-1.29	-1.10	-2.00	-3.41	-6.90	-6.72
165	-26.08	-13.89	-8.95	-8.07	-5.26	-2.24	-2.26	-1.29	-1.40	-1.88	-2.84	-7.00	-6.66
180	-24.57	-13.86	-8.89	-7.84	-5.44	-2.49	-2.20	-1.06	-1.48	-1.79	-2.27	-7.17	-6.49
195	-23.30	-13.92	-9.06	-7.82	-5.42	-2.77	-2.18	-0.85	-1.25	-1.62	-1.72	-7.37	-6.61
210	-21.67	-14.19	-9.42	-7.95	-5.56	-2.88	-2.10	-0.58	-0.79	-1.37	-1.38	-7.60	-6.54
225	-21.25	-14.46	-9.68	-8.35	-5.70	-2.69	-1.77	-0.24	-0.22	-1.08	-1.30	-7.86	-6.77
240	-21.29	-15.04	-9.79	-8.47	-5.69	-2.12	-1.12	0.22	0.25	-0.98	-1.45	-8.21	-6.97
255	-21.66	-15.25	-9.69	-8.07	-5.11	-1.15	-0.36	0.59	0.49	-1.18	-1.91	-8.72	-7.54
270	-22.04	-15.21	-9.29	-7.14	-4.21	-0.40	0.23	0.44	0.18	-1.81	-2.80	-9.27	-7.67
285	-22.35	-14.59	-8.62	-6.37	-3.48	0.05	0.08	-0.07	-0.52	-2.71	-3.87	-9.93	-7.90
300	-23.31	-13.90	-7.99	-5.58	-3.15	-0.04	-0.50	-0.86	-1.41	-3.86	-5.15	-10.56	-7.85
315	-24.37	-13.47	-7.51	-5.23	-3.39	-0.71	-1.35	-1.59	-2.55	-5.01	-6.25	-10.99	-7.71
330	-25.90	-13.06	-7.13	-5.14	-4.04	-1.53	-1.91	-2.19	-3.67	-5.93	-7.14	-11.58	-7.43
345	-26.39	-12.64	-6.91	-5.24	-4.68	-2.09	-2.17	-2.75	-4.54	-6.66	-7.83	-11.76	-7.14
360	-26.51	-12.44	-6.62	-5.40	-5.14	-2.31	-2.43	-3.24	-5.00	-6.88	-8.14	-11.68	-6.77
Avg.	-24.65	-14.02	-8.38	-6.84	-4.66	-1.74	-1.68	-1.27	-1.81	-3.30	-4.30	-8.81	-6.89
	Peak Value		0.590		Minimum Value		-27.854						

Horizontal													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-32.49	-12.72	-6.81	-5.55	-5.23	-2.42	-2.63	-3.40	-5.00	-7.26	-8.72	-11.80	-6.80
15	-35.53	-12.79	-6.85	-5.78	-4.98	-2.37	-2.72	-3.64	-5.08	-7.20	-9.08	-11.38	-6.81
30	-34.31	-12.95	-7.02	-5.91	-4.59	-2.06	-2.63	-3.56	-4.91	-7.12	-9.76	-10.90	-7.31
45	-35.74	-13.11	-7.09	-6.00	-4.10	-1.71	-2.39	-3.30	-4.66	-6.95	-10.48	-10.54	-8.55
60	-33.97	-13.50	-7.47	-6.13	-3.75	-1.21	-1.85	-2.81	-4.24	-6.59	-10.81	-10.27	-10.58
75	-37.11	-13.85	-7.93	-6.54	-3.85	-1.02	-1.19	-2.04	-3.56	-5.85	-10.19	-10.01	-14.30
90	-38.64	-14.29	-8.40	-7.11	-4.25	-1.29	-0.93	-1.04	-2.48	-4.86	-8.77	-9.72	-22.47
105	-39.56	-15.07	-9.01	-7.70	-4.54	-1.94	-1.49	-0.53	-1.56	-3.90	-7.14	-9.15	-23.62
120	-42.62	-15.31	-9.40	-8.28	-4.67	-2.32	-2.38	-0.72	-1.02	-3.04	-5.71	-8.53	-15.21
135	-41.71	-14.97	-9.48	-8.74	-4.71	-2.20	-2.76	-1.25	-1.05	-2.48	-4.59	-7.83	-11.21
150	-42.48	-14.38	-9.30	-8.78	-4.92	-2.09	-2.59	-1.56	-1.29	-2.14	-3.72	-7.36	-8.72
165	-37.96	-13.97	-9.06	-8.53	-5.30	-2.32	-2.28	-1.40	-1.49	-1.94	-2.97	-7.12	-7.39
180	-32.50	-14.14	-8.96	-8.11	-5.47	-2.55	-2.21	-1.07	-1.50	-1.81	-2.29	-7.19	-6.60
195	-30.44	-14.53	-9.24	-8.00	-5.43	-2.79	-2.19	-0.86	-1.26	-1.65	-1.73	-7.51	-6.65
210	-27.52	-15.10	-9.84	-8.11	-5.56	-2.89	-2.13	-0.62	-0.89	-1.51	-1.48	-8.00	-6.97
225	-26.96	-15.60	-10.42	-8.46	-5.76	-2.77	-1.87	-0.34	-0.49	-1.35	-1.57	-8.53	-8.18
240	-27.73	-16.07	-10.88	-8.57	-5.91	-2.37	-1.36	0.03	-0.24	-1.42	-2.03	-9.22	-10.21
255	-30.71	-15.87	-10.87	-8.19	-5.54	-1.57	-0.77	0.26	-0.20	-1.79	-2.88	-9.98	-14.43
270	-32.15	-15.50	-10.42	-7.28	-4.80	-0.95	-0.39	-0.01	-0.64	-2.61	-4.38	-10.64	-21.37
285	-36.67	-14.71	-9.61	-6.52	-4.11	-0.64	-0.70	-0.56	-1.36	-3.70	-6.13	-11.20	-24.01
300	-50.42	-13.97	-8.74	-5.72	-3.80	-0.82	-1.28	-1.27	-2.15	-5.03	-7.90	-11.74	-15.34
315	-56.77	-13.55	-8.00	-5.33	-3.98	-1.40	-1.97	-1.85	-3.11	-6.25	-8.80	-11.91	-11.30
330	-41.11	-13.14	-7.46	-5.23	-4.55	-2.02	-2.32	-2.36	-4.02	-7.03	-8.93	-12.19	-8.81
345	-37.00	-12.80	-7.16	-5.35	-4.98	-2.35	-2.43	-2.91	-4.67	-7.34	-8.78	-12.07	-7.48
360	-32.49	-12.72	-6.81	-5.55	-5.23	-2.42	-2.63	-3.40	-5.00	-7.26	-8.72	-11.80	-6.80
Avg.	-33.35	-14.30	-8.72	-7.08	-4.91	-2.05	-2.01	-1.56	-2.25	-3.82	-5.24	-9.64	-9.76
	Peak Value		0.255	Minimum Value		-56.766							

Vertical													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-27.78	-24.48	-20.30	-20.12	-22.21	-18.47	-16.09	-17.59	-44.45	-17.65	-17.23	-27.36	-29.06
15	-28.67	-23.75	-20.71	-18.82	-26.98	-17.96	-17.79	-16.55	-21.22	-20.22	-15.90	-33.44	-17.30
30	-28.08	-22.89	-22.48	-18.10	-20.52	-15.62	-18.66	-14.83	-15.16	-19.10	-13.25	-25.76	-12.06
45	-28.15	-23.56	-25.68	-17.97	-17.17	-13.93	-16.26	-13.17	-12.04	-15.55	-11.03	-19.05	-9.14
60	-28.00	-26.52	-31.13	-17.65	-16.22	-12.94	-14.35	-11.67	-10.11	-12.15	-9.42	-15.51	-7.32
75	-28.03	-31.08	-30.57	-17.98	-16.39	-12.19	-12.76	-10.95	-9.25	-10.09	-8.82	-13.27	-6.08
90	-26.85	-46.41	-25.53	-18.02	-17.08	-12.22	-11.04	-10.77	-9.50	-9.53	-8.72	-11.99	-5.98
105	-27.50	-35.28	-21.97	-17.39	-18.80	-13.24	-10.32	-10.65	-10.51	-10.06	-9.43	-11.57	-6.73
120	-27.17	-32.03	-20.77	-17.32	-22.03	-15.59	-11.19	-10.54	-11.97	-11.62	-10.71	-12.22	-7.61
135	-27.68	-33.97	-20.29	-16.91	-25.40	-18.86	-13.56	-11.27	-13.03	-14.07	-12.58	-13.71	-8.77
150	-26.86	-34.65	-21.57	-16.88	-25.14	-19.57	-18.33	-13.40	-14.70	-17.08	-15.06	-16.92	-11.03
165	-26.37	-31.16	-24.78	-18.09	-24.79	-19.50	-25.46	-17.57	-18.26	-20.67	-18.08	-22.66	-14.79
180	-25.33	-25.87	-26.76	-19.95	-26.65	-21.21	-28.40	-26.46	-25.15	-24.78	-24.92	-29.87	-22.25
195	-24.24	-22.76	-23.04	-21.87	-31.04	-25.82	-27.37	-31.09	-26.89	-23.02	-28.77	-22.30	-27.37
210	-22.98	-21.43	-19.71	-22.55	-33.76	-28.61	-23.56	-21.20	-17.21	-16.53	-17.74	-18.17	-16.74
225	-22.61	-20.81	-17.72	-24.15	-24.31	-20.05	-18.42	-16.73	-12.49	-13.40	-13.49	-16.31	-12.33
240	-22.41	-21.80	-16.32	-24.84	-18.80	-14.64	-13.85	-13.44	-9.49	-11.14	-10.49	-15.05	-9.77
255	-22.24	-23.97	-15.90	-23.63	-15.40	-11.52	-10.84	-10.70	-7.89	-9.98	-8.88	-14.73	-8.54
270	-22.49	-27.06	-15.71	-22.00	-13.16	-9.61	-8.57	-9.59	-7.43	-9.53	-7.97	-14.92	-7.86
285	-22.51	-30.36	-15.54	-21.08	-12.21	-8.30	-7.80	-9.76	-8.07	-9.63	-7.78	-15.92	-8.00
300	-23.32	-32.00	-15.94	-20.56	-11.73	-7.92	-8.32	-11.31	-9.43	-10.11	-8.44	-16.78	-8.70
315	-24.37	-31.18	-17.27	-21.49	-12.31	-9.03	-10.10	-14.00	-11.74	-11.05	-9.77	-18.15	-10.21
330	-26.03	-30.39	-18.57	-21.83	-13.61	-11.20	-12.37	-16.35	-14.80	-12.44	-11.85	-20.39	-13.09
345	-26.79	-27.13	-19.54	-21.52	-16.38	-14.38	-14.50	-17.18	-19.84	-15.03	-14.90	-23.38	-18.38
360	-27.78	-24.48	-20.30	-20.12	-22.21	-18.47	-16.09	-17.59	-44.45	-17.65	-17.23	-27.36	-29.06
Avg.	-25.28	-25.92	-19.62	-19.61	-17.15	-13.33	-12.95	-13.19	-11.95	-12.81	-11.40	-16.40	-10.06
Peak Value		-5.984		Minimum Value		-46.410							

RHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-27.78	-13.94	-8.30	-7.07	-8.32	-4.74	-4.57	-5.02	-8.07	-8.81	-11.04	-13.52	-10.32
15	-28.94	-13.73	-8.31	-7.08	-7.38	-4.12	-4.45	-4.89	-7.45	-8.62	-9.61	-14.26	-9.67
30	-27.89	-13.58	-8.69	-7.17	-6.38	-3.42	-4.38	-4.57	-6.69	-8.28	-8.53	-15.12	-8.97
45	-28.44	-13.84	-9.14	-7.40	-5.59	-2.93	-4.25	-4.44	-6.31	-8.21	-7.74	-16.98	-8.65
60	-27.69	-14.76	-10.05	-7.84	-5.43	-2.54	-4.05	-4.50	-6.48	-8.32	-7.23	-19.46	-8.55
75	-28.85	-15.75	-11.23	-9.03	-6.19	-2.59	-3.69	-4.56	-6.91	-8.48	-7.20	-22.81	-8.49
90	-28.30	-17.12	-12.55	-10.53	-7.64	-3.44	-3.73	-4.13	-6.75	-8.71	-7.30	-25.36	-9.01
105	-31.34	-18.79	-14.24	-12.01	-8.73	-4.97	-4.76	-3.82	-6.00	-8.56	-7.51	-22.12	-10.09
120	-31.57	-19.62	-14.92	-13.53	-8.82	-6.11	-6.90	-4.34	-5.05	-7.62	-7.40	-18.25	-10.67
135	-32.50	-19.00	-14.66	-14.72	-8.44	-5.81	-7.91	-5.58	-4.78	-6.50	-7.07	-15.05	-10.60
150	-30.21	-18.14	-13.38	-15.41	-8.65	-5.42	-6.95	-6.39	-4.92	-5.57	-6.50	-12.74	-10.48
165	-28.80	-17.36	-12.04	-14.74	-9.15	-5.73	-5.74	-5.75	-5.08	-4.88	-5.76	-10.87	-10.27
180	-26.23	-17.05	-11.24	-13.34	-9.25	-6.16	-5.13	-4.55	-4.91	-4.38	-5.15	-9.82	-9.74
195	-24.90	-16.95	-10.64	-12.17	-8.91	-6.31	-4.90	-3.63	-4.34	-3.97	-4.45	-9.07	-9.60
210	-23.23	-17.03	-10.46	-11.33	-8.61	-6.12	-4.45	-2.91	-3.51	-3.43	-4.07	-8.76	-9.31
225	-22.77	-17.00	-10.33	-10.91	-8.33	-5.64	-3.91	-2.30	-2.74	-3.07	-3.99	-8.65	-9.42
240	-23.04	-17.23	-10.18	-10.39	-8.30	-5.08	-3.18	-1.77	-2.30	-2.87	-4.15	-8.71	-9.71
255	-23.65	-17.24	-10.20	-10.03	-8.26	-4.34	-2.49	-1.57	-2.23	-3.04	-4.74	-9.08	-10.64
270	-24.41	-17.34	-10.22	-9.57	-8.06	-3.75	-2.07	-2.01	-2.91	-3.66	-5.92	-9.53	-11.32
285	-25.05	-17.41	-10.05	-9.22	-7.81	-3.42	-2.51	-2.95	-3.97	-4.57	-7.64	-10.24	-12.21
300	-26.48	-16.78	-9.89	-8.47	-7.64	-3.70	-3.54	-4.18	-5.18	-5.73	-10.04	-10.90	-12.78
315	-27.48	-16.32	-9.66	-7.90	-7.81	-4.58	-4.71	-4.80	-6.44	-7.09	-12.81	-11.47	-12.91
330	-28.75	-15.60	-9.17	-7.44	-8.32	-5.32	-5.03	-4.91	-7.65	-8.24	-14.35	-12.35	-12.32
345	-28.41	-14.71	-8.74	-7.19	-8.58	-5.46	-4.78	-4.98	-8.30	-8.94	-13.23	-12.99	-11.35
360	-27.78	-13.94	-8.30	-7.07	-8.32	-4.74	-4.57	-5.02	-8.07	-8.81	-11.04	-13.52	-10.32
Avg.	-26.72	-16.36	-10.58	-9.66	-7.99	-4.67	-4.48	-4.10	-5.19	-5.93	-7.04	-12.04	-10.30
Peak Value		-1.566		Minimum Value		-32.502							

LHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-32.48	-17.77	-11.55	-10.35	-7.99	-6.00	-6.54	-7.98	-7.95	-11.32	-11.27	-16.28	-9.30
15	-34.41	-18.41	-11.69	-10.91	-8.65	-6.82	-7.16	-8.86	-8.61	-12.04	-14.00	-14.46	-9.24
30	-35.21	-19.22	-11.61	-10.97	-9.01	-7.11	-7.10	-9.03	-8.57	-12.38	-18.95	-12.74	-9.18
45	-34.37	-19.22	-11.18	-10.68	-8.76	-6.87	-6.49	-8.07	-7.67	-11.05	-34.35	-10.93	-9.03
60	-35.48	-18.70	-10.92	-10.14	-7.99	-6.01	-5.29	-6.26	-6.03	-8.77	-20.90	-9.56	-8.76
75	-33.31	-18.12	-10.62	-9.48	-7.11	-5.23	-4.14	-4.49	-4.48	-6.65	-14.39	-8.49	-8.48
90	-31.40	-17.49	-10.37	-9.14	-6.50	-4.56	-3.36	-3.15	-3.32	-5.17	-10.93	-7.78	-8.79
105	-29.38	-17.40	-10.26	-9.03	-6.37	-4.34	-3.29	-2.54	-2.71	-4.36	-8.85	-7.32	-9.26
120	-28.94	-17.17	-10.41	-9.11	-6.65	-4.34	-3.47	-2.46	-2.66	-4.06	-7.67	-7.32	-9.29
135	-29.17	-17.06	-10.56	-9.20	-7.04	-4.52	-3.85	-2.61	-3.00	-4.19	-6.84	-7.55	-9.17
150	-29.33	-16.68	-11.05	-9.06	-7.25	-4.66	-4.39	-2.89	-3.42	-4.52	-6.34	-8.21	-9.08
165	-29.40	-16.49	-11.88	-9.12	-7.53	-4.81	-4.84	-3.22	-3.83	-4.91	-5.95	-9.29	-9.15
180	-29.55	-16.69	-12.67	-9.27	-7.78	-4.93	-5.30	-3.64	-4.11	-5.25	-5.42	-10.57	-9.27
195	-28.42	-16.91	-14.22	-9.81	-8.00	-5.31	-5.51	-4.11	-4.19	-5.39	-5.03	-12.24	-9.63
210	-26.88	-17.37	-16.14	-10.62	-8.52	-5.68	-5.89	-4.41	-4.10	-5.62	-4.73	-13.93	-9.80
225	-26.54	-17.99	-18.27	-11.86	-9.14	-5.75	-5.88	-4.46	-3.78	-5.44	-4.65	-15.63	-10.17
240	-26.08	-19.07	-20.44	-12.94	-9.15	-5.19	-5.36	-4.11	-3.28	-5.50	-4.79	-17.88	-10.27
255	-26.01	-19.60	-19.21	-12.47	-7.99	-3.99	-4.48	-3.48	-2.84	-5.75	-5.11	-19.77	-10.46
270	-25.80	-19.32	-16.47	-10.82	-6.51	-3.09	-3.64	-3.20	-2.74	-6.41	-5.71	-21.54	-10.13
285	-25.69	-17.81	-14.15	-9.54	-5.49	-2.55	-3.40	-3.21	-3.13	-7.31	-6.23	-21.58	-9.91
300	-26.17	-17.05	-12.48	-8.72	-5.06	-2.49	-3.48	-3.58	-3.77	-8.42	-6.85	-21.85	-9.53
315	-27.28	-16.65	-11.61	-8.59	-5.33	-3.00	-4.04	-4.41	-4.84	-9.19	-7.33	-20.73	-9.27
330	-29.07	-16.60	-11.40	-8.99	-6.06	-3.87	-4.81	-5.52	-5.90	-9.79	-8.05	-19.48	-9.13
345	-30.70	-16.86	-11.55	-9.66	-6.95	-4.76	-5.61	-6.72	-6.92	-10.54	-9.31	-17.83	-9.22
360	-32.48	-17.77	-11.55	-10.35	-7.99	-6.00	-6.54	-7.98	-7.95	-11.32	-11.27	-16.28	-9.30
Avg.	-28.86	-17.81	-12.40	-10.06	-7.38	-4.82	-4.91	-4.47	-4.48	-6.73	-7.60	-11.61	-9.55
	Peak Value		-2.462	Minimum Value		-35.475							

AR													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	11.55	13.29	14.65	14.59	34.54	22.77	18.98	15.47	42.97	16.86	37.43	16.05	24.67
15	10.32	11.60	14.33	13.25	22.76	16.22	16.23	12.96	23.46	14.22	12.12	38.80	32.13
30	8.00	10.08	15.56	13.32	16.46	13.58	16.19	12.01	19.37	12.70	5.40	17.29	38.30
45	9.66	10.45	18.63	14.59	14.87	13.04	17.86	13.74	22.13	15.81	0.81	9.50	33.29
60	7.52	13.03	25.99	17.65	16.70	14.09	22.93	19.93	31.76	31.75	3.65	5.76	38.18
75	12.00	17.35	29.09	31.75	25.49	16.45	31.74	47.98	17.15	19.55	8.14	3.38	66.91
90	15.04	33.25	18.08	21.95	23.68	23.84	33.54	24.96	14.22	13.94	13.72	2.31	37.84
105	18.97	21.97	12.96	15.40	17.38	28.72	21.47	22.71	14.56	12.48	22.27	3.20	26.43
120	16.47	17.07	11.91	12.08	18.14	19.87	14.21	19.37	17.30	13.89	36.23	5.08	21.99
135	14.45	19.09	12.69	10.24	21.87	22.57	12.80	15.42	19.83	17.59	37.49	7.81	21.72
150	25.91	21.51	17.51	9.11	21.88	27.18	16.71	14.04	21.32	24.35	40.35	11.87	21.88
165	29.16	25.98	40.51	10.10	20.60	25.51	25.77	16.78	22.88	57.63	39.42	20.82	23.88
180	14.46	33.54	21.69	12.76	21.46	23.01	39.99	25.57	26.74	26.04	36.13	27.30	31.25
195	13.98	52.99	13.84	17.38	25.64	24.75	29.11	31.09	41.26	21.79	29.47	14.87	55.24
210	13.68	34.10	10.01	27.81	45.37	31.92	21.62	21.28	29.29	18.04	28.41	10.78	30.83
225	13.43	24.89	7.37	25.17	26.70	44.35	18.96	18.18	24.47	17.35	28.41	8.37	27.34
240	15.24	19.54	5.51	16.72	26.28	44.15	18.07	17.50	24.96	16.45	28.72	6.31	29.83
255	17.38	17.39	6.44	17.11	35.88	33.94	18.84	19.18	29.17	16.21	33.63	5.22	39.88
270	21.95	18.91	9.24	22.87	20.99	28.30	20.88	23.30	40.25	16.09	38.22	4.45	23.29
285	28.75	32.80	12.70	34.45	17.55	25.98	25.88	36.65	26.41	16.11	21.84	4.83	17.60
300	35.16	36.06	16.59	36.69	16.63	23.20	49.35	29.21	21.84	16.27	14.82	5.06	14.64
315	38.56	34.60	19.03	28.01	16.99	20.83	28.30	32.98	20.74	18.40	10.29	6.24	13.71
330	34.54	24.82	17.90	21.06	17.77	21.58	38.21	29.06	19.97	21.01	9.18	8.20	14.83
345	17.64	18.19	15.89	17.01	20.54	27.96	26.45	20.03	22.00	20.75	13.07	11.33	18.27
360	11.55	13.29	14.65	14.59	34.54	22.77	18.98	15.47	42.97	16.86	37.43	16.05	24.67
Avg.	28.04	39.38	27.24	26.61	32.50	33.97	36.45	34.73	33.01	43.67	33.13	25.30	53.25
	Peak Value		66.910	Minimum Value		0.813							

Horizontal + Vertical													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-30.47	-13.23	-6.60	-5.16	-4.73	-1.86	-2.14	-2.94	-4.50	-6.39	-7.37	-10.43	-6.23
15	-29.74	-12.82	-6.59	-5.43	-4.63	-1.82	-2.21	-3.03	-4.50	-6.56	-7.44	-10.28	-5.94
30	-26.51	-12.91	-6.66	-5.45	-4.20	-1.50	-2.10	-2.82	-4.15	-6.47	-7.29	-9.81	-5.59
45	-25.18	-13.09	-6.93	-5.68	-3.68	-1.18	-1.80	-2.46	-3.45	-6.12	-6.82	-9.25	-5.34
60	-24.34	-13.32	-7.25	-6.00	-3.41	-0.76	-1.32	-1.93	-2.73	-5.18	-6.21	-8.64	-5.16
75	-23.92	-13.78	-7.72	-6.47	-3.54	-0.60	-0.74	-1.30	-2.04	-4.21	-5.64	-7.93	-4.94
90	-23.83	-14.35	-8.20	-7.05	-3.99	-0.83	-0.43	-0.56	-1.40	-3.32	-5.00	-7.24	-5.34
105	-23.40	-14.49	-8.46	-7.46	-4.33	-1.50	-0.71	-0.14	-0.89	-2.73	-4.56	-6.70	-6.29
120	-24.76	-14.46	-8.71	-7.69	-4.32	-2.04	-1.56	-0.19	-0.55	-2.41	-4.03	-6.38	-6.59
135	-24.99	-14.29	-8.78	-7.88	-4.21	-2.03	-2.15	-0.64	-0.61	-2.14	-3.61	-6.33	-6.46
150	-25.16	-13.71	-8.57	-7.84	-4.38	-1.94	-2.17	-1.05	-0.88	-2.01	-3.14	-6.27	-6.17
165	-24.75	-13.58	-8.46	-7.73	-4.72	-2.13	-1.95	-1.11	-1.10	-1.84	-2.64	-6.36	-6.21
180	-23.59	-13.69	-8.27	-7.69	-4.95	-2.38	-1.86	-0.94	-1.19	-1.72	-2.06	-6.55	-6.09
195	-22.36	-13.75	-8.45	-7.67	-4.97	-2.65	-1.83	-0.71	-0.98	-1.50	-1.50	-6.79	-5.99
210	-21.29	-14.47	-8.68	-7.87	-5.13	-2.69	-1.72	-0.44	-0.58	-1.19	-1.11	-7.04	-6.06
225	-20.60	-15.00	-9.00	-8.33	-5.25	-2.50	-1.49	-0.11	-0.10	-0.93	-0.99	-7.41	-6.12
240	-20.95	-15.53	-9.28	-8.55	-5.20	-1.99	-1.01	0.31	0.43	-0.79	-1.14	-7.67	-6.39
255	-20.54	-15.95	-9.38	-8.22	-4.72	-1.19	-0.32	0.69	0.66	-0.91	-1.47	-8.10	-6.76
270	-20.66	-15.60	-9.10	-7.40	-4.03	-0.32	0.27	0.63	0.45	-1.47	-2.19	-8.63	-7.19
285	-21.71	-14.96	-8.53	-6.57	-3.33	0.13	0.23	0.23	-0.14	-2.24	-3.07	-9.20	-7.24
300	-22.50	-14.10	-7.88	-5.78	-3.00	0.16	-0.24	-0.62	-1.08	-3.21	-4.18	-9.65	-7.28
315	-23.80	-13.56	-7.41	-5.30	-3.18	-0.36	-1.04	-1.36	-2.11	-4.29	-5.15	-10.05	-7.17
330	-26.40	-13.27	-7.12	-5.14	-3.73	-0.99	-1.64	-2.02	-3.15	-5.19	-6.07	-10.37	-6.91
345	-29.63	-13.09	-6.84	-5.11	-4.34	-1.65	-1.98	-2.58	-4.00	-5.91	-6.81	-10.35	-6.54
360	-30.47	-13.23	-6.60	-5.16	-4.73	-1.86	-2.14	-2.94	-4.50	-6.39	-7.37	-10.43	-6.23
Avg.	-23.63	-14.14	-8.12	-6.83	-4.38	-1.54	-1.44	-1.09	-1.52	-3.05	-3.80	-8.16	-6.38
	Peak Value		0.686	Minimum Value		-30.475							

Horizontal													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-32.36	-13.35	-6.82	-5.25	-4.85	-1.98	-2.35	-3.09	-4.51	-6.85	-7.88	-10.56	-6.25
15	-31.92	-13.19	-6.82	-5.58	-4.70	-1.95	-2.38	-3.28	-4.55	-6.79	-8.18	-10.32	-6.22
30	-30.10	-13.41	-6.86	-5.66	-4.34	-1.70	-2.26	-3.19	-4.46	-6.68	-8.89	-9.93	-6.70
45	-29.42	-13.56	-7.06	-5.91	-3.90	-1.45	-2.03	-2.99	-4.11	-6.60	-9.69	-9.65	-7.82
60	-29.31	-13.70	-7.31	-6.24	-3.65	-1.07	-1.61	-2.56	-3.73	-6.21	-10.22	-9.54	-9.71
75	-29.81	-14.02	-7.74	-6.72	-3.75	-0.93	-1.06	-1.90	-3.11	-5.61	-9.65	-9.31	-13.12
90	-30.53	-14.45	-8.23	-7.33	-4.15	-1.18	-0.81	-1.00	-2.26	-4.66	-8.29	-8.95	-20.04
105	-31.27	-14.56	-8.55	-7.83	-4.43	-1.84	-1.17	-0.50	-1.42	-3.78	-6.81	-8.42	-28.24
120	-33.66	-14.55	-8.84	-8.16	-4.35	-2.26	-2.08	-0.55	-0.85	-3.01	-5.35	-7.80	-15.47
135	-37.40	-14.39	-8.92	-8.42	-4.22	-2.13	-2.49	-0.98	-0.80	-2.42	-4.33	-7.24	-11.02
150	-38.36	-13.85	-8.68	-8.42	-4.41	-2.01	-2.29	-1.28	-1.02	-2.12	-3.47	-6.70	-8.47
165	-31.11	-13.81	-8.49	-8.25	-4.77	-2.21	-1.97	-1.20	-1.17	-1.88	-2.77	-6.49	-6.95
180	-27.80	-14.06	-8.30	-8.06	-5.00	-2.44	-1.87	-0.95	-1.20	-1.73	-2.08	-6.57	-6.20
195	-26.05	-14.39	-8.59	-7.90	-4.99	-2.67	-1.84	-0.71	-0.99	-1.54	-1.52	-6.91	-6.02
210	-24.98	-15.21	-9.00	-8.03	-5.13	-2.70	-1.75	-0.48	-0.66	-1.32	-1.22	-7.38	-6.49
225	-24.66	-15.91	-9.59	-8.41	-5.30	-2.58	-1.58	-0.21	-0.34	-1.20	-1.29	-8.05	-7.57
240	-25.83	-16.28	-10.13	-8.58	-5.43	-2.23	-1.24	0.12	-0.04	-1.23	-1.76	-8.55	-9.55
255	-27.19	-16.26	-10.39	-8.28	-5.22	-1.61	-0.71	0.37	0.00	-1.54	-2.57	-9.18	-12.85
270	-29.52	-15.72	-10.10	-7.52	-4.74	-0.88	-0.32	0.18	-0.38	-2.31	-3.93	-9.76	-20.38
285	-33.34	-15.07	-9.40	-6.73	-4.09	-0.53	-0.51	-0.29	-1.05	-3.28	-5.47	-10.21	-23.81
300	-39.07	-14.20	-8.58	-5.94	-3.76	-0.57	-1.02	-1.06	-1.89	-4.43	-7.09	-10.53	-15.10
315	-39.66	-13.63	-7.88	-5.40	-3.85	-1.00	-1.69	-1.62	-2.75	-5.61	-7.81	-10.74	-10.85
330	-36.84	-13.30	-7.44	-5.19	-4.26	-1.52	-2.08	-2.15	-3.56	-6.36	-7.86	-10.88	-8.40
345	-34.91	-13.12	-7.09	-5.15	-4.68	-1.90	-2.27	-2.68	-4.20	-6.77	-7.79	-10.64	-6.96
360	-32.36	-13.35	-6.82	-5.25	-4.85	-1.98	-2.35	-3.09	-4.51	-6.85	-7.88	-10.56	-6.25
Avg.	-29.77	-14.41	-8.42	-7.04	-4.65	-1.85	-1.77	-1.37	-1.96	-3.60	-4.86	-8.86	-9.21
	Peak Value		0.369	Minimum Value		-39.665							

Vertical													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-35.01	-28.88	-19.63	-22.20	-20.30	-17.74	-15.56	-17.53	-29.51	-16.42	-16.90	-25.74	-28.94
15	-33.78	-23.72	-19.35	-20.08	-22.35	-17.22	-16.38	-15.52	-23.64	-19.37	-15.54	-30.30	-17.96
30	-29.01	-22.56	-20.16	-18.67	-19.24	-14.91	-16.42	-13.65	-15.85	-19.75	-12.40	-25.58	-12.06
45	-27.23	-22.96	-22.00	-18.49	-16.64	-13.39	-14.63	-11.89	-11.94	-15.90	-9.96	-19.83	-8.96
60	-26.01	-24.19	-26.01	-18.77	-16.06	-12.42	-13.30	-10.63	-9.60	-11.95	-8.41	-15.89	-7.04
75	-25.21	-26.45	-31.44	-18.98	-16.71	-11.97	-12.20	-10.22	-8.63	-9.81	-7.83	-13.58	-5.65
90	-24.87	-30.89	-30.54	-19.02	-18.38	-12.01	-11.24	-10.73	-8.87	-9.09	-7.74	-12.13	-5.49
105	-24.17	-32.32	-25.34	-18.35	-20.98	-12.79	-10.68	-11.13	-10.32	-9.43	-8.50	-11.56	-6.31
120	-25.36	-31.29	-24.10	-17.61	-25.44	-15.24	-11.05	-11.22	-12.38	-11.27	-9.86	-11.94	-7.19
135	-25.25	-30.87	-23.58	-17.20	-29.17	-18.60	-13.35	-11.93	-14.17	-14.13	-11.73	-13.53	-8.33
150	-25.38	-28.77	-24.52	-16.88	-26.71	-19.86	-17.86	-13.88	-15.86	-18.05	-14.39	-16.61	-10.02
165	-25.89	-26.52	-29.17	-17.20	-24.32	-19.58	-25.07	-18.37	-19.06	-22.77	-18.01	-21.88	-14.28
180	-25.66	-24.57	-30.63	-18.65	-24.88	-20.95	-29.40	-27.24	-25.61	-27.08	-24.34	-29.62	-22.16
195	-24.78	-22.40	-23.66	-20.48	-29.72	-25.25	-27.21	-31.25	-29.22	-22.40	-26.70	-22.54	-28.07
210	-23.72	-22.49	-20.06	-22.52	-41.82	-32.48	-23.22	-21.19	-17.68	-16.37	-17.01	-18.25	-16.25
225	-22.76	-22.23	-17.98	-25.64	-24.22	-20.41	-18.24	-16.66	-12.70	-13.16	-12.78	-16.04	-11.60
240	-22.66	-23.56	-16.81	-29.12	-18.03	-14.67	-13.90	-13.33	-9.53	-10.88	-9.90	-15.01	-9.25
255	-21.60	-27.58	-16.20	-26.42	-14.28	-11.58	-10.99	-10.84	-7.84	-9.67	-7.97	-14.68	-7.99
270	-21.26	-31.23	-15.96	-23.01	-12.25	-9.51	-8.71	-9.40	-7.17	-9.00	-7.01	-15.02	-7.40
285	-22.02	-30.96	-15.94	-20.88	-11.28	-8.34	-7.82	-9.20	-7.38	-8.95	-6.78	-16.03	-7.33
300	-22.60	-30.34	-16.21	-20.40	-10.95	-7.99	-8.08	-10.76	-8.77	-9.29	-7.29	-17.00	-8.06
315	-23.91	-31.47	-17.28	-21.75	-11.61	-9.00	-9.56	-13.73	-10.74	-10.10	-8.55	-18.35	-9.59
330	-26.81	-34.57	-18.72	-24.74	-13.07	-10.35	-11.80	-17.30	-13.59	-11.47	-10.77	-19.98	-12.30
345	-31.15	-34.21	-19.46	-24.57	-15.62	-14.10	-13.91	-18.91	-17.64	-13.41	-13.72	-22.34	-16.89
360	-35.01	-28.88	-19.63	-22.20	-20.30	-17.74	-15.56	-17.53	-29.51	-16.42	-16.90	-25.74	-28.94
Avg.	-24.84	-26.22	-19.96	-20.13	-16.59	-13.14	-12.72	-13.03	-11.67	-12.32	-10.46	-16.40	-9.57
Peak Value		-5.494		Minimum Value		-41.823							

RHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-37.80	-15.22	-8.14	-7.11	-7.48	-4.21	-4.11	-4.68	-7.71	-8.45	-10.66	-12.35	-9.92
15	-31.89	-14.07	-8.02	-7.13	-6.73	-3.61	-3.89	-4.39	-7.03	-8.25	-8.97	-13.07	-9.20
30	-27.62	-13.90	-8.17	-7.04	-5.95	-3.02	-3.75	-4.08	-6.40	-7.99	-7.74	-13.82	-8.61
45	-25.93	-14.06	-8.65	-7.46	-5.30	-2.65	-3.68	-3.97	-5.87	-7.90	-6.84	-15.36	-8.26
60	-25.20	-14.45	-9.41	-8.15	-5.28	-2.40	-3.67	-4.14	-5.89	-7.85	-6.34	-17.72	-8.16
75	-24.95	-15.25	-10.46	-9.37	-5.95	-2.55	-3.58	-4.51	-6.46	-8.11	-6.25	-20.34	-8.04
90	-24.99	-16.57	-11.83	-11.06	-7.32	-3.36	-3.68	-4.33	-6.80	-8.50	-6.33	-22.15	-8.65
105	-24.98	-17.29	-12.91	-12.58	-8.25	-4.84	-4.51	-4.02	-6.20	-8.68	-6.65	-20.65	-9.86
120	-26.53	-18.25	-13.39	-13.90	-8.05	-6.17	-6.47	-4.22	-5.10	-8.03	-6.75	-17.41	-10.45
135	-26.79	-18.21	-13.32	-14.81	-7.50	-5.91	-7.72	-5.19	-4.54	-6.84	-6.57	-14.38	-10.42
150	-26.63	-17.46	-12.43	-15.30	-7.62	-5.43	-6.77	-5.91	-4.48	-5.81	-6.12	-11.98	-9.96
165	-25.19	-17.38	-11.49	-14.96	-8.20	-5.56	-5.54	-5.41	-4.51	-4.90	-5.47	-10.36	-9.75
180	-23.93	-17.48	-10.69	-13.98	-8.62	-5.95	-4.78	-4.39	-4.47	-4.35	-4.80	-9.33	-9.19
195	-22.61	-17.31	-10.25	-12.86	-8.36	-6.13	-4.49	-3.52	-3.99	-3.85	-4.12	-8.61	-8.78
210	-21.61	-18.03	-10.05	-11.93	-8.06	-5.85	-4.06	-2.83	-3.32	-3.22	-3.68	-8.30	-8.68
225	-21.04	-18.31	-9.94	-11.40	-7.71	-5.39	-3.58	-2.25	-2.67	-2.84	-3.55	-8.26	-8.65
240	-21.25	-18.68	-9.85	-10.93	-7.48	-4.84	-2.93	-1.73	-2.15	-2.60	-3.79	-8.27	-8.98
255	-21.15	-19.11	-9.87	-10.49	-7.44	-4.27	-2.29	-1.51	-2.06	-2.69	-4.30	-8.57	-9.66
270	-21.61	-19.32	-9.84	-10.27	-7.43	-3.63	-1.81	-1.87	-2.62	-3.25	-5.39	-9.03	-10.71
285	-23.19	-19.36	-9.75	-9.89	-7.23	-3.30	-2.15	-2.77	-3.49	-4.09	-7.07	-9.67	-11.53
300	-25.12	-18.65	-9.55	-9.29	-7.10	-3.35	-3.00	-4.09	-4.86	-5.15	-9.43	-10.20	-12.22
315	-27.32	-17.83	-9.34	-8.57	-7.11	-3.94	-4.12	-4.83	-6.06	-6.50	-12.08	-10.76	-12.51
330	-31.84	-17.02	-8.99	-7.92	-7.46	-4.54	-4.57	-4.92	-7.11	-7.65	-13.70	-11.33	-11.87
345	-42.81	-15.82	-8.54	-7.40	-7.67	-4.71	-4.40	-4.87	-7.81	-8.37	-12.91	-11.70	-10.90
360	-37.80	-15.22	-8.14	-7.11	-7.48	-4.21	-4.11	-4.68	-7.71	-8.45	-10.66	-12.35	-9.92
Avg.	-24.74	-16.87	-10.12	-10.00	-7.39	-4.41	-4.13	-3.95	-4.90	-5.70	-6.50	-11.37	-9.79
Peak Value		-1.507		Minimum Value		-42.808							

LHCP													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-31.36	-17.57	-11.83	-9.59	-8.01	-5.65	-6.53	-7.75	-7.31	-10.62	-10.11	-14.90	-8.65
15	-33.82	-18.85	-12.10	-10.33	-8.79	-6.54	-7.15	-8.72	-8.04	-11.47	-12.73	-13.52	-8.72
30	-32.99	-19.83	-11.98	-10.58	-9.00	-6.79	-7.10	-8.80	-8.09	-11.77	-17.37	-12.01	-8.59
45	-33.14	-20.10	-11.77	-10.42	-8.74	-6.59	-6.35	-7.77	-7.15	-10.85	-29.26	-10.47	-8.45
60	-31.83	-19.73	-11.31	-10.09	-7.97	-5.79	-5.11	-5.93	-5.59	-8.56	-21.34	-9.21	-8.19
75	-30.64	-19.21	-11.02	-9.60	-7.25	-5.02	-3.93	-4.12	-3.98	-6.48	-14.47	-8.18	-7.86
90	-30.12	-18.32	-10.67	-9.24	-6.70	-4.39	-3.21	-2.92	-2.88	-4.89	-10.77	-7.38	-8.08
105	-28.55	-17.71	-10.38	-9.06	-6.59	-4.21	-3.06	-2.42	-2.41	-4.00	-8.74	-6.88	-8.80
120	-29.51	-16.81	-10.52	-8.88	-6.71	-4.17	-3.25	-2.37	-2.43	-3.80	-7.35	-6.74	-8.88
135	-29.68	-16.55	-10.66	-8.86	-6.95	-4.33	-3.56	-2.51	-2.85	-3.93	-6.67	-7.06	-8.69
150	-30.59	-16.09	-10.87	-8.71	-7.17	-4.52	-4.02	-2.77	-3.36	-4.35	-6.17	-7.63	-8.52
165	-34.91	-15.92	-11.45	-8.64	-7.31	-4.75	-4.45	-3.13	-3.75	-4.81	-5.84	-8.57	-8.75
180	-34.82	-16.03	-11.97	-8.86	-7.39	-4.90	-4.96	-3.55	-3.95	-5.14	-5.36	-9.81	-9.01
195	-34.84	-16.27	-13.15	-9.23	-7.64	-5.24	-5.21	-3.93	-3.99	-5.29	-4.95	-11.45	-9.24
210	-32.73	-16.99	-14.35	-10.04	-8.23	-5.57	-5.53	-4.19	-3.87	-5.46	-4.60	-13.03	-9.48
225	-30.74	-17.74	-16.08	-11.27	-8.88	-5.64	-5.66	-4.21	-3.59	-5.43	-4.50	-14.90	-9.68
240	-32.78	-18.41	-18.40	-12.28	-9.09	-5.17	-5.48	-3.95	-3.06	-5.46	-4.55	-16.52	-9.86
255	-29.36	-18.82	-19.14	-12.11	-8.04	-4.14	-4.69	-3.33	-2.66	-5.66	-4.66	-18.05	-9.89
270	-27.69	-18.01	-17.15	-10.56	-6.68	-3.06	-3.93	-2.96	-2.50	-6.19	-5.02	-19.19	-9.74
285	-27.08	-16.92	-14.64	-9.29	-5.61	-2.49	-3.51	-2.78	-2.84	-6.85	-5.27	-19.05	-9.26
300	-25.94	-15.97	-12.85	-8.34	-5.14	-2.41	-3.52	-3.21	-3.43	-7.64	-5.72	-18.86	-8.95
315	-26.35	-15.60	-11.85	-8.06	-5.43	-2.87	-3.98	-3.95	-4.34	-8.28	-6.14	-18.25	-8.67
330	-27.86	-15.64	-11.70	-8.39	-6.12	-3.52	-4.73	-5.15	-5.38	-8.84	-6.89	-17.42	-8.58
345	-29.84	-16.40	-11.74	-8.97	-7.06	-4.60	-5.67	-6.44	-6.34	-9.56	-8.03	-16.10	-8.51
360	-31.36	-17.57	-11.83	-9.59	-8.01	-5.65	-6.53	-7.75	-7.31	-10.62	-10.11	-14.90	-8.65
Avg.	-30.12	-17.44	-12.45	-9.69	-7.39	-4.69	-4.79	-4.25	-4.18	-6.46	-7.15	-10.97	-9.02
	Peak Value		-2.375	Minimum Value		-34.909							

AR													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	9.00	17.41	13.58	16.96	30.20	21.65	17.16	15.14	32.88	18.10	30.10	16.73	22.70
15	19.14	11.42	12.73	14.81	18.54	15.55	14.65	12.24	24.76	14.73	13.43	31.66	31.15
30	10.47	9.65	13.32	13.93	15.21	13.39	14.39	11.53	20.27	13.36	5.96	19.65	57.48
45	8.11	9.51	15.00	15.45	14.16	13.02	16.33	13.33	22.66	15.50	1.32	11.24	39.31
60	8.77	10.62	19.27	19.08	16.25	14.30	21.67	19.81	35.29	27.72	3.12	6.85	54.62
75	10.00	12.97	29.81	37.41	22.54	17.00	34.09	32.97	16.95	20.59	7.11	4.38	39.88
90	10.84	19.97	23.52	19.65	29.06	24.54	31.36	21.80	13.08	13.77	12.05	3.21	29.67
105	13.86	32.27	16.80	13.97	20.39	28.85	21.58	20.73	13.36	11.60	18.47	3.61	24.26
120	15.42	21.65	15.73	11.03	22.30	18.82	14.74	19.52	16.31	12.43	29.30	5.24	20.90
135	15.68	20.38	16.35	9.63	30.07	20.85	12.57	16.30	20.26	15.61	44.89	8.00	20.02
150	13.00	22.04	20.94	8.82	31.67	25.67	16.10	14.95	23.82	21.57	50.16	12.20	21.65
165	5.89	21.51	52.71	9.15	25.79	26.60	24.07	17.71	27.21	46.03	33.24	19.78	24.83
180	5.10	21.57	22.72	10.86	22.99	24.41	39.34	26.32	30.49	26.88	29.85	31.17	39.53
195	4.34	24.42	15.63	13.72	27.65	25.78	27.68	32.72	79.66	21.63	26.40	15.81	31.65
210	4.96	24.47	12.28	19.32	39.73	35.80	21.51	22.12	29.92	17.82	25.58	11.51	26.77
225	5.90	29.63	9.39	42.44	23.46	36.64	18.49	18.99	25.53	16.58	25.17	8.76	24.57
240	4.72	35.99	6.82	22.20	20.66	34.62	16.72	17.95	25.60	15.73	27.22	7.10	25.93
255	7.12	35.74	6.22	20.64	29.20	43.05	17.26	19.60	29.25	15.43	33.60	6.07	37.73
270	9.46	22.47	8.01	35.35	27.26	29.70	18.33	24.03	43.57	15.50	33.50	5.58	25.02
285	13.14	17.10	11.24	29.20	20.59	26.70	22.11	67.85	28.58	16.05	19.73	6.14	17.74
300	26.59	16.31	14.55	25.25	19.00	25.33	30.35	25.93	21.74	16.92	13.52	6.73	14.60
315	25.12	17.85	16.85	30.62	20.33	24.17	41.84	25.90	20.12	19.81	9.66	7.82	13.26
330	12.95	22.02	16.19	31.37	22.26	24.64	40.53	37.29	20.09	23.33	8.57	9.45	14.56
345	3.97	29.54	14.79	20.93	29.23	44.26	22.76	20.88	21.47	23.35	11.26	12.10	17.28
360	9.00	17.41	13.58	16.96	30.20	21.65	17.16	15.14	32.88	18.10	30.10	16.73	22.70
Avg.	16.48	27.22	38.78	30.94	28.70	34.05	32.28	53.88	65.68	32.32	37.66	21.03	45.51
	Peak Value		79.660	Minimum Value		1.317							

Test = 2.460GHz

Horizontal + Vertical													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-25.75	-13.02	-6.90	-5.42	-4.44	-1.85	-2.18	-3.05	-4.42	-6.30	-6.81	-9.95	-6.08
15	-24.23	-13.11	-6.84	-5.67	-4.39	-1.81	-2.14	-3.12	-4.43	-6.52	-7.02	-9.90	-5.76
30	-23.88	-12.97	-6.91	-5.80	-4.08	-1.58	-1.96	-2.83	-4.06	-6.50	-6.81	-9.54	-5.59
45	-22.43	-13.04	-7.24	-6.02	-3.62	-1.27	-1.71	-2.43	-3.33	-6.01	-6.42	-9.02	-5.38
60	-21.23	-13.27	-7.57	-6.37	-3.39	-1.01	-1.32	-1.98	-2.65	-5.08	-5.74	-8.52	-5.28
75	-20.88	-13.57	-8.08	-6.97	-3.53	-0.83	-0.89	-1.53	-2.03	-4.09	-5.12	-7.82	-4.95
90	-20.74	-13.98	-8.43	-7.43	-3.98	-1.11	-0.55	-0.94	-1.53	-3.32	-4.66	-7.11	-5.33
105	-20.67	-14.11	-8.76	-7.84	-4.35	-1.78	-0.76	-0.43	-1.16	-2.87	-4.22	-6.59	-6.23
120	-21.43	-13.99	-8.80	-7.78	-4.29	-2.43	-1.56	-0.40	-0.81	-2.64	-3.80	-6.27	-6.61
135	-22.26	-14.01	-8.80	-7.95	-4.11	-2.39	-2.19	-0.84	-0.81	-2.45	-3.50	-6.06	-6.41
150	-22.07	-13.77	-8.60	-7.98	-4.24	-2.26	-2.23	-1.32	-0.98	-2.21	-3.17	-6.02	-6.05
165	-21.41	-13.92	-8.47	-7.93	-4.61	-2.34	-1.97	-1.39	-1.28	-2.08	-2.67	-6.13	-6.03
180	-21.00	-14.49	-8.30	-7.85	-4.86	-2.69	-1.80	-1.24	-1.42	-1.94	-2.14	-6.32	-5.78
195	-20.00	-15.11	-8.28	-7.96	-4.98	-3.01	-1.72	-1.02	-1.26	-1.71	-1.64	-6.60	-5.71
210	-19.59	-15.81	-8.44	-8.32	-5.08	-3.16	-1.73	-0.73	-0.91	-1.41	-1.20	-6.88	-5.76
225	-19.37	-16.52	-8.82	-8.84	-5.16	-2.94	-1.54	-0.43	-0.38	-1.17	-1.11	-7.23	-5.83
240	-19.28	-17.05	-9.14	-9.15	-5.12	-2.41	-1.18	-0.02	0.08	-0.97	-1.17	-7.53	-6.01
255	-18.87	-17.18	-9.36	-8.87	-4.60	-1.59	-0.55	0.35	0.40	-1.10	-1.47	-7.90	-6.38
270	-19.10	-16.44	-9.10	-8.14	-3.95	-0.76	-0.08	0.38	0.27	-1.53	-2.10	-8.38	-6.76
285	-19.40	-15.29	-8.55	-7.14	-3.39	-0.25	0.02	0.05	-0.28	-2.30	-2.83	-8.74	-6.94
300	-20.11	-14.18	-8.01	-6.35	-3.11	-0.15	-0.36	-0.74	-1.19	-3.20	-3.72	-9.28	-6.90
315	-21.08	-13.36	-7.55	-5.84	-3.15	-0.51	-1.01	-1.59	-2.13	-4.11	-4.71	-9.46	-6.77
330	-22.49	-13.25	-7.19	-5.61	-3.55	-1.02	-1.76	-2.27	-3.07	-4.97	-5.53	-9.74	-6.47
345	-24.68	-13.13	-6.97	-5.46	-4.08	-1.63	-2.10	-2.82	-3.88	-5.68	-6.37	-9.87	-6.29
360	-25.75	-13.02	-6.90	-5.42	-4.44	-1.85	-2.18	-3.05	-4.42	-6.30	-6.81	-9.95	-6.08
Avg.	-21.16	-14.35	-8.24	-7.21	-4.30	-1.79	-1.51	-1.32	-1.67	-3.16	-3.67	-7.91	-6.20
Peak Value		0.398		Minimum Value		-25.752							

Horizontal													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-26.15	-13.06	-7.10	-5.48	-4.59	-1.96	-2.38	-3.17	-4.47	-6.80	-7.23	-10.10	-6.13
15	-24.41	-13.32	-7.09	-5.79	-4.52	-1.95	-2.33	-3.37	-4.46	-6.80	-7.66	-9.95	-5.97
30	-24.97	-13.37	-7.18	-5.98	-4.28	-1.80	-2.18	-3.24	-4.34	-6.73	-8.32	-9.60	-6.50
45	-24.82	-13.60	-7.45	-6.22	-3.90	-1.57	-2.00	-3.03	-3.98	-6.52	-9.29	-9.25	-7.62
60	-25.28	-13.78	-7.69	-6.53	-3.68	-1.35	-1.66	-2.70	-3.66	-6.15	-9.80	-9.11	-9.57
75	-25.37	-13.99	-8.13	-7.14	-3.78	-1.19	-1.24	-2.21	-3.17	-5.55	-9.45	-8.85	-12.94
90	-25.92	-14.27	-8.45	-7.63	-4.14	-1.49	-0.91	-1.40	-2.42	-4.77	-8.23	-8.49	-19.29
105	-27.80	-14.35	-8.80	-8.11	-4.43	-2.16	-1.21	-0.74	-1.68	-3.99	-6.70	-8.13	-26.47
120	-30.10	-14.22	-8.87	-8.13	-4.31	-2.68	-2.08	-0.70	-1.06	-3.28	-5.24	-7.52	-15.37
135	-30.10	-14.26	-8.87	-8.38	-4.14	-2.49	-2.54	-1.13	-0.95	-2.72	-4.26	-6.90	-10.81
150	-27.81	-14.09	-8.63	-8.51	-4.30	-2.33	-2.36	-1.52	-1.09	-2.30	-3.53	-6.43	-8.24
165	-24.18	-14.33	-8.47	-8.43	-4.70	-2.43	-1.99	-1.46	-1.35	-2.10	-2.81	-6.24	-6.70
180	-22.50	-15.02	-8.33	-8.24	-4.94	-2.75	-1.81	-1.25	-1.44	-1.96	-2.17	-6.33	-5.88
195	-21.22	-15.87	-8.43	-8.22	-5.00	-3.04	-1.74	-1.02	-1.27	-1.75	-1.65	-6.71	-5.76
210	-21.13	-16.67	-8.75	-8.45	-5.09	-3.17	-1.76	-0.78	-0.98	-1.54	-1.32	-7.21	-6.25
225	-21.82	-17.21	-9.31	-8.89	-5.20	-3.01	-1.63	-0.54	-0.60	-1.43	-1.44	-7.86	-7.30
240	-22.75	-17.44	-9.76	-9.15	-5.33	-2.65	-1.37	-0.22	-0.35	-1.40	-1.84	-8.38	-9.24
255	-24.22	-17.37	-10.07	-8.92	-5.09	-2.03	-0.90	0.01	-0.26	-1.72	-2.66	-8.88	-12.64
270	-27.97	-16.64	-9.83	-8.32	-4.69	-1.32	-0.60	-0.11	-0.57	-2.41	-3.96	-9.32	-19.72
285	-33.05	-15.78	-9.22	-7.41	-4.20	-0.90	-0.65	-0.51	-1.21	-3.42	-5.37	-9.64	-23.32
300	-38.38	-14.64	-8.55	-6.61	-3.86	-0.83	-1.09	-1.21	-2.05	-4.51	-6.70	-10.00	-14.87
315	-36.52	-13.68	-7.94	-6.00	-3.78	-1.11	-1.64	-1.88	-2.82	-5.47	-7.41	-10.03	-10.68
330	-31.05	-13.40	-7.46	-5.67	-4.05	-1.51	-2.18	-2.38	-3.53	-6.16	-7.32	-10.14	-8.16
345	-27.71	-13.15	-7.17	-5.48	-4.39	-1.88	-2.36	-2.89	-4.12	-6.60	-7.29	-10.13	-6.82
360	-26.15	-13.06	-7.10	-5.48	-4.59	-1.96	-2.38	-3.17	-4.47	-6.80	-7.23	-10.10	-6.13
Avg.	-25.43	-14.70	-8.49	-7.41	-4.58	-2.11	-1.83	-1.62	-2.12	-3.74	-4.81	-8.52	-8.98
Peak Value		0.009		Minimum Value		-38.382							

Vertical													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-36.29	-33.67	-20.34	-24.20	-19.14	-17.70	-15.66	-18.54	-24.22	-15.88	-17.24	-24.93	-25.43
15	-38.07	-26.30	-19.43	-21.43	-19.81	-16.93	-15.70	-15.48	-25.96	-18.65	-15.69	-28.75	-19.07
30	-30.41	-23.53	-19.22	-19.89	-17.40	-14.58	-14.94	-13.26	-16.13	-19.21	-12.13	-28.07	-12.85
45	-26.16	-22.22	-20.49	-19.61	-15.61	-13.00	-13.64	-11.30	-11.96	-15.49	-9.57	-21.88	-9.33
60	-23.41	-22.75	-23.05	-20.78	-15.31	-12.20	-12.60	-10.16	-9.48	-11.70	-7.90	-17.46	-7.31
75	-22.79	-23.86	-27.39	-20.94	-16.07	-11.83	-11.94	-9.95	-8.38	-9.52	-7.13	-14.57	-5.70
90	-22.31	-25.82	-31.70	-20.77	-18.33	-11.86	-11.61	-10.90	-8.89	-8.77	-7.17	-12.76	-5.51
105	-21.61	-26.80	-29.16	-20.02	-21.69	-12.59	-10.85	-12.04	-10.67	-9.29	-7.84	-11.84	-6.27
120	-22.06	-26.81	-26.97	-18.90	-27.00	-14.99	-11.03	-12.18	-13.42	-11.26	-9.30	-12.27	-7.23
135	-23.03	-26.63	-27.05	-18.13	-26.41	-18.69	-13.33	-12.71	-15.76	-14.52	-11.40	-13.61	-8.37
150	-23.42	-25.30	-29.62	-17.40	-22.88	-20.22	-17.56	-14.70	-16.86	-18.99	-14.10	-16.46	-10.07
165	-24.67	-24.39	-50.52	-17.53	-21.59	-19.62	-25.40	-18.98	-19.15	-25.18	-17.71	-21.97	-14.48
180	-26.33	-23.93	-30.12	-18.50	-22.54	-20.85	-32.02	-27.65	-25.21	-26.59	-24.74	-31.46	-22.45
195	-26.09	-23.03	-23.18	-20.29	-27.41	-24.67	-27.23	-29.71	-33.35	-21.73	-26.55	-22.88	-25.72
210	-24.84	-23.25	-20.14	-23.37	-38.26	-33.94	-23.62	-20.92	-18.79	-16.64	-17.02	-18.24	-15.44
225	-23.02	-24.90	-18.56	-28.12	-24.85	-21.30	-18.59	-16.59	-13.36	-13.57	-12.48	-15.93	-11.25
240	-21.89	-27.69	-17.88	-39.13	-18.23	-15.13	-14.76	-13.49	-10.09	-11.32	-9.63	-15.03	-8.82
255	-20.36	-30.96	-17.54	-27.82	-14.33	-11.78	-11.76	-10.91	-8.13	-9.84	-7.65	-14.85	-7.55
270	-19.70	-29.90	-17.19	-21.95	-12.01	-9.93	-9.49	-9.31	-7.26	-8.91	-6.67	-15.48	-6.98
285	-19.59	-24.97	-17.05	-19.37	-11.07	-8.85	-8.42	-9.09	-7.43	-8.76	-6.36	-16.03	-7.04
300	-20.18	-24.22	-17.30	-18.61	-11.11	-8.54	-8.43	-10.55	-8.67	-9.07	-6.76	-17.38	-7.66
315	-21.20	-24.73	-18.23	-20.13	-11.84	-9.38	-9.73	-13.50	-10.46	-9.80	-8.05	-18.54	-9.04
330	-23.15	-27.93	-19.40	-23.89	-13.19	-10.69	-12.16	-18.07	-13.01	-11.16	-10.23	-20.25	-11.38
345	-27.68	-35.18	-20.53	-29.05	-15.62	-14.16	-14.49	-20.88	-16.53	-12.86	-13.57	-22.34	-15.75
360	-36.29	-33.67	-20.34	-24.20	-19.14	-17.70	-15.66	-18.54	-24.22	-15.88	-17.24	-24.93	-25.43
Avg.	-23.20	-25.47	-20.73	-20.77	-16.33	-13.33	-12.95	-13.11	-11.80	-12.20	-10.02	-16.76	-9.45
Peak Value		-5.512		Minimum Value		-50.517							

RHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-29.93	-15.43	-8.44	-7.54	-6.69	-4.09	-4.03	-4.85	-7.49	-8.38	-10.34	-11.88	-10.00
15	-26.86	-14.78	-8.22	-7.51	-6.17	-3.55	-3.68	-4.48	-6.94	-8.17	-8.60	-12.52	-9.20
30	-25.49	-14.21	-8.26	-7.50	-5.63	-3.07	-3.46	-4.09	-6.24	-7.92	-7.29	-13.01	-8.75
45	-23.43	-14.01	-8.75	-7.86	-5.15	-2.77	-3.50	-3.93	-5.66	-7.65	-6.45	-14.19	-8.45
60	-22.25	-14.35	-9.40	-8.71	-5.15	-2.72	-3.66	-4.26	-5.73	-7.65	-5.85	-16.12	-8.38
75	-21.96	-14.92	-10.52	-10.14	-5.79	-2.86	-3.80	-4.91	-6.29	-7.83	-5.69	-18.19	-8.28
90	-21.82	-15.89	-11.55	-11.66	-7.05	-3.67	-3.89	-5.01	-6.94	-8.53	-5.94	-19.48	-8.81
105	-21.70	-16.65	-12.62	-13.20	-7.91	-5.12	-4.55	-4.38	-6.60	-9.10	-6.26	-19.16	-10.09
120	-22.33	-17.26	-13.03	-13.86	-7.60	-6.68	-6.43	-4.29	-5.27	-8.63	-6.51	-16.29	-10.73
135	-22.86	-17.60	-12.90	-14.68	-7.08	-6.36	-7.84	-5.11	-4.48	-7.39	-6.53	-13.78	-10.51
150	-22.52	-17.53	-12.17	-15.36	-7.27	-5.76	-6.97	-5.99	-4.32	-6.05	-6.17	-11.69	-9.91
165	-21.78	-17.75	-11.47	-15.19	-7.98	-5.85	-5.59	-5.60	-4.49	-5.13	-5.60	-10.08	-9.48
180	-21.54	-18.34	-10.77	-14.43	-8.50	-6.29	-4.73	-4.68	-4.61	-4.52	-4.92	-9.17	-8.76
195	-20.51	-19.32	-10.35	-13.62	-8.41	-6.53	-4.37	-3.83	-4.25	-3.97	-4.25	-8.49	-8.42
210	-19.86	-19.89	-10.09	-12.86	-7.99	-6.37	-4.09	-3.11	-3.68	-3.38	-3.74	-8.19	-8.28
225	-19.40	-20.63	-10.07	-12.38	-7.53	-5.79	-3.58	-2.58	-3.02	-3.02	-3.66	-8.10	-8.29
240	-19.31	-21.30	-9.98	-11.95	-7.18	-5.21	-3.08	-2.11	-2.49	-2.72	-3.78	-8.17	-8.44
255	-19.11	-22.15	-10.02	-11.61	-6.91	-4.62	-2.47	-1.88	-2.29	-2.81	-4.33	-8.43	-9.17
270	-19.93	-21.73	-9.94	-11.58	-6.88	-4.08	-2.09	-2.19	-2.70	-3.25	-5.45	-8.92	-10.24
285	-20.93	-21.60	-9.80	-11.19	-6.83	-3.64	-2.26	-3.00	-3.54	-4.13	-7.03	-9.32	-11.29
300	-22.36	-20.30	-9.61	-10.59	-6.72	-3.53	-2.90	-4.40	-4.85	-5.17	-9.43	-10.00	-12.10
315	-23.87	-18.65	-9.44	-9.87	-6.56	-3.89	-3.79	-5.33	-6.00	-6.36	-12.30	-10.35	-12.31
330	-26.12	-17.50	-9.04	-8.95	-6.69	-4.33	-4.52	-5.46	-6.96	-7.41	-13.93	-10.89	-11.71
345	-29.12	-16.77	-8.70	-8.15	-6.83	-4.47	-4.39	-5.27	-7.53	-8.13	-12.79	-11.39	-10.95
360	-29.93	-15.43	-8.44	-7.54	-6.69	-4.09	-4.03	-4.85	-7.49	-8.38	-10.34	-11.88	-10.00
Avg.	-22.14	-17.34	-10.18	-10.73	-7.02	-4.63	-4.14	-4.22	-4.99	-5.78	-6.41	-11.06	-9.69
Peak Value		-1.881		Minimum Value		-29.931							

LHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-27.84	-16.74	-12.17	-9.55	-8.39	-5.80	-6.77	-7.74	-7.38	-10.48	-9.36	-14.41	-8.34
15	-27.66	-18.06	-12.50	-10.28	-9.13	-6.64	-7.38	-8.81	-8.02	-11.53	-12.18	-13.34	-8.39
30	-28.96	-19.02	-12.65	-10.70	-9.30	-6.94	-7.30	-8.81	-8.09	-12.04	-16.60	-12.13	-8.46
45	-29.29	-20.05	-12.55	-10.64	-8.89	-6.62	-6.44	-7.77	-7.16	-11.01	-27.98	-10.59	-8.34
60	-28.03	-19.82	-12.19	-10.18	-8.17	-5.89	-5.12	-5.88	-5.58	-8.58	-21.56	-9.35	-8.21
75	-27.45	-19.29	-11.73	-9.82	-7.44	-5.11	-3.99	-4.20	-4.07	-6.47	-14.26	-8.24	-7.66
90	-27.31	-18.47	-11.33	-9.49	-6.92	-4.61	-3.26	-3.10	-3.01	-4.87	-10.57	-7.37	-7.92
105	-27.42	-17.63	-11.05	-9.33	-6.87	-4.49	-3.12	-2.67	-2.63	-4.05	-8.49	-6.84	-8.54
120	-28.69	-16.76	-10.86	-9.01	-7.01	-4.47	-3.27	-2.68	-2.74	-3.90	-7.13	-6.72	-8.74
135	-31.12	-16.51	-10.94	-8.98	-7.17	-4.62	-3.58	-2.87	-3.25	-4.12	-6.48	-6.86	-8.55
150	-32.17	-16.15	-11.12	-8.86	-7.23	-4.83	-4.00	-3.13	-3.67	-4.51	-6.19	-7.39	-8.35
165	-32.27	-16.25	-11.50	-8.83	-7.28	-4.91	-4.44	-3.46	-4.10	-5.04	-5.76	-8.37	-8.64
180	-30.28	-16.80	-11.93	-8.93	-7.32	-5.18	-4.90	-3.85	-4.25	-5.44	-5.40	-9.50	-8.83
195	-29.49	-17.18	-12.50	-9.33	-7.61	-5.57	-5.13	-4.24	-4.30	-5.63	-5.08	-11.12	-9.05
210	-31.75	-17.96	-13.46	-10.20	-8.20	-5.98	-5.50	-4.48	-4.18	-5.79	-4.73	-12.71	-9.32
225	-41.85	-18.66	-14.85	-11.38	-8.91	-6.12	-5.79	-4.53	-3.80	-5.78	-4.62	-14.65	-9.48
240	-41.84	-19.10	-16.66	-12.38	-9.34	-5.65	-5.67	-4.20	-3.41	-5.78	-4.62	-16.14	-9.70
255	-31.46	-18.84	-17.86	-12.17	-8.46	-4.58	-5.03	-3.62	-2.96	-5.97	-4.63	-17.26	-9.62
270	-26.68	-17.96	-16.67	-10.75	-7.05	-3.49	-4.38	-3.11	-2.77	-6.38	-4.79	-17.73	-9.34
285	-24.67	-16.44	-14.58	-9.31	-6.02	-2.92	-3.88	-2.92	-3.05	-6.94	-4.90	-17.78	-8.92
300	-24.04	-15.40	-13.10	-8.40	-5.59	-2.82	-3.90	-3.18	-3.64	-7.59	-5.07	-17.40	-8.46
315	-24.32	-14.88	-12.08	-8.02	-5.79	-3.17	-4.26	-3.97	-4.42	-8.04	-5.54	-16.76	-8.19
330	-24.96	-15.30	-11.80	-8.31	-6.43	-3.75	-5.04	-5.10	-5.34	-8.63	-6.21	-16.05	-8.01
345	-26.62	-15.59	-11.81	-8.83	-7.36	-4.81	-5.98	-6.47	-6.34	-9.33	-7.50	-15.18	-8.12
360	-27.84	-16.74	-12.17	-9.55	-8.39	-5.80	-6.77	-7.74	-7.38	-10.48	-9.36	-14.41	-8.34
Avg.	-28.15	-17.39	-12.67	-9.78	-7.63	-4.98	-4.94	-4.44	-4.40	-6.60	-6.96	-10.79	-8.78
Peak Value		-2.626		Minimum Value		-41.847							

AR													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	18.44	22.46	13.50	18.73	20.21	20.18	16.10	15.65	43.88	18.39	24.99	16.82	20.41
15	26.73	14.57	12.34	16.04	15.46	15.06	13.55	12.24	24.16	14.38	13.84	26.54	26.64
30	14.10	11.37	12.12	14.81	13.63	13.19	13.24	11.52	19.50	12.66	6.20	25.90	35.67
45	9.75	9.51	13.34	16.00	13.48	13.23	15.51	13.25	21.31	14.38	1.46	13.81	44.56
60	9.87	10.32	15.96	21.42	15.28	14.85	21.53	20.64	41.18	25.38	2.87	8.60	40.37
75	10.28	12.16	23.15	34.86	20.50	17.80	39.26	27.85	17.94	22.12	6.80	5.72	29.00
90	10.28	16.61	37.94	18.12	42.41	25.40	28.80	19.24	13.04	13.67	11.70	4.40	25.88
105	9.96	24.98	20.88	13.19	24.45	28.84	21.71	20.19	12.97	10.97	17.87	4.29	21.00
120	9.10	30.89	18.11	11.30	29.43	17.97	14.91	20.70	16.80	11.50	28.97	6.00	18.88
135	7.08	24.03	19.00	9.99	45.89	20.00	12.38	17.81	23.00	14.62	51.40	8.45	18.99
150	5.94	21.99	24.37	8.93	53.74	25.46	15.41	15.75	28.55	21.06	59.08	12.31	20.92
165	5.35	21.31	55.88	9.10	27.95	25.39	23.60	18.24	33.07	46.13	40.68	20.14	26.26
180	6.66	21.05	23.52	10.26	23.37	23.91	39.97	26.41	33.70	25.53	31.19	34.66	48.26
195	6.46	18.26	18.22	12.34	26.76	25.13	27.20	32.49	52.12	20.42	26.52	16.47	28.78
210	4.52	19.12	14.35	16.36	38.24	33.01	21.87	22.07	30.90	17.24	24.88	11.88	24.43
225	1.31	18.95	11.42	24.81	21.98	34.52	17.98	19.03	27.01	16.03	25.16	8.86	23.29
240	1.30	17.97	8.71	32.09	18.17	31.94	16.62	18.44	25.55	15.16	26.34	7.35	22.80
255	4.28	14.50	7.47	29.82	20.99	53.07	16.68	20.03	28.35	14.89	35.22	6.58	31.82
270	8.62	13.42	8.65	26.40	39.97	29.33	17.64	25.53	48.75	14.97	28.42	6.60	25.77
285	13.46	10.79	11.44	19.37	26.61	27.66	20.65	46.57	30.97	15.89	18.31	6.90	17.36
300	20.31	11.23	14.05	18.00	23.73	27.75	24.82	23.11	23.17	17.17	12.18	7.92	13.72
315	31.71	13.41	16.43	19.49	27.09	27.60	31.44	22.13	20.83	20.33	8.61	9.05	12.65
330	23.52	17.97	16.04	28.59	36.31	29.46	30.44	33.51	20.64	23.05	7.59	10.80	13.58
345	16.92	23.38	15.03	28.19	30.23	34.19	20.75	23.27	23.29	23.20	10.59	13.37	15.82
360	18.44	22.46	13.50	18.73	20.21	20.18	16.10	15.65	43.88	18.39	24.99	16.82	20.41
Avg.	20.09	21.05	41.99	25.32	41.06	39.41	29.78	33.22	40.59	32.37	45.87	22.17	36.67
Peak Value		59.075		Minimum Value		1.300							

Horizontal + Vertical													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-20.12	-12.48	-7.55	-6.32	-4.26	-2.39	-2.68	-3.76	-4.79	-6.61	-6.88	-10.12	-6.32
15	-20.05	-12.71	-7.61	-6.40	-4.37	-2.32	-2.59	-3.77	-4.85	-6.89	-7.13	-10.04	-6.20
30	-20.28	-12.77	-7.69	-6.50	-4.16	-2.17	-2.34	-3.39	-4.58	-6.96	-7.06	-9.99	-6.19
45	-20.07	-12.85	-8.08	-6.71	-3.88	-1.92	-2.09	-3.03	-3.90	-6.48	-6.27	-9.81	-6.10
60	-19.24	-13.00	-8.39	-7.11	-3.80	-1.76	-1.94	-2.65	-3.26	-5.66	-5.78	-9.42	-5.95
75	-19.48	-13.31	-8.88	-7.61	-3.92	-1.57	-1.61	-2.37	-2.79	-4.73	-5.18	-8.77	-5.59
90	-19.13	-13.49	-9.20	-8.17	-4.43	-1.73	-1.29	-1.92	-2.48	-3.98	-4.72	-8.02	-5.91
105	-19.33	-13.82	-9.59	-8.29	-4.86	-2.57	-1.35	-1.30	-2.11	-3.54	-4.30	-7.37	-6.88
120	-19.30	-13.99	-9.64	-8.27	-4.83	-3.26	-2.05	-1.14	-1.74	-3.46	-4.12	-6.89	-7.32
135	-19.71	-14.36	-9.46	-8.37	-4.61	-3.35	-2.79	-1.56	-1.72	-3.33	-3.92	-6.61	-7.22
150	-19.35	-14.87	-9.29	-8.55	-4.75	-3.18	-2.90	-2.15	-1.86	-3.10	-3.64	-6.51	-6.77
165	-18.82	-15.50	-9.14	-8.57	-5.20	-3.29	-2.65	-2.39	-2.19	-2.95	-3.27	-6.49	-6.35
180	-18.13	-16.21	-8.87	-8.54	-5.56	-3.66	-2.36	-2.28	-2.46	-2.82	-2.78	-6.81	-6.10
195	-17.80	-17.43	-8.84	-8.70	-5.69	-4.01	-2.26	-2.00	-2.43	-2.63	-2.25	-6.99	-5.87
210	-17.88	-18.59	-9.05	-9.23	-5.77	-4.20	-2.25	-1.78	-2.14	-2.32	-1.85	-7.32	-5.88
225	-17.96	-19.45	-9.25	-9.76	-5.79	-4.05	-2.22	-1.45	-1.61	-2.04	-1.73	-7.53	-5.91
240	-17.70	-20.36	-9.66	-10.26	-5.60	-3.50	-1.95	-1.04	-1.00	-1.80	-1.74	-7.71	-6.14
255	-17.27	-19.19	-9.93	-10.09	-5.15	-2.67	-1.46	-0.57	-0.60	-1.92	-2.10	-8.21	-6.67
270	-17.02	-17.40	-9.76	-9.31	-4.49	-1.94	-0.96	-0.54	-0.53	-2.23	-2.42	-8.47	-6.92
285	-16.67	-15.39	-9.23	-8.58	-3.95	-1.32	-0.85	-0.74	-1.00	-2.88	-3.00	-8.93	-7.12
300	-16.75	-14.19	-8.48	-7.59	-3.57	-1.02	-1.09	-1.33	-1.76	-3.65	-3.79	-9.18	-7.02
315	-17.43	-13.12	-8.00	-7.07	-3.41	-1.19	-1.61	-2.16	-2.66	-4.47	-4.71	-9.63	-6.90
330	-17.86	-12.51	-7.71	-6.71	-3.56	-1.57	-2.27	-2.89	-3.44	-5.20	-5.43	-9.87	-6.75
345	-19.00	-12.60	-7.56	-6.44	-3.93	-2.08	-2.64	-3.46	-4.23	-6.03	-6.36	-9.99	-6.52
360	-20.12	-12.48	-7.55	-6.32	-4.26	-2.39	-2.68	-3.76	-4.79	-6.61	-6.88	-10.12	-6.32
Avg.	-18.63	-14.59	-8.90	-8.07	-4.68	-2.61	-2.15	-2.15	-2.51	-3.87	-4.03	-8.35	-6.59
	Peak Value		-0.533	Minimum Value		-20.359							

Horizontal													
ϕ [deg]	Θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-21.24	-12.51	-7.70	-6.34	-4.42	-2.51	-2.87	-3.85	-4.86	-7.20	-7.22	-10.30	-6.44
15	-20.28	-12.75	-7.81	-6.47	-4.53	-2.44	-2.82	-3.99	-4.88	-7.27	-7.61	-10.14	-6.30
30	-20.39	-12.95	-7.97	-6.65	-4.38	-2.37	-2.64	-3.86	-4.78	-7.26	-8.32	-10.01	-6.75
45	-20.94	-13.29	-8.35	-6.86	-4.18	-2.25	-2.46	-3.67	-4.43	-7.14	-9.09	-9.87	-7.76
60	-21.49	-13.55	-8.59	-7.23	-4.13	-2.13	-2.33	-3.45	-4.23	-6.77	-9.80	-9.69	-9.56
75	-22.98	-13.82	-9.01	-7.69	-4.21	-1.97	-2.00	-3.16	-3.98	-6.30	-9.82	-9.40	-12.47
90	-24.11	-14.05	-9.27	-8.26	-4.64	-2.15	-1.64	-2.44	-3.53	-5.66	-8.79	-9.06	-17.75
105	-26.83	-14.41	-9.66	-8.41	-4.98	-3.01	-1.77	-1.57	-2.67	-4.85	-7.13	-8.60	-24.61
120	-28.60	-14.51	-9.68	-8.43	-4.89	-3.55	-2.57	-1.39	-1.97	-4.25	-5.92	-7.96	-16.59
135	-27.08	-15.00	-9.50	-8.60	-4.67	-3.48	-3.22	-1.83	-1.84	-3.66	-4.81	-7.37	-11.79
150	-23.40	-15.67	-9.32	-8.90	-4.87	-3.25	-3.08	-2.36	-1.99	-3.20	-4.11	-6.90	-8.85
165	-20.79	-16.38	-9.17	-8.97	-5.39	-3.36	-2.67	-2.48	-2.30	-2.98	-3.45	-6.61	-7.07
180	-18.98	-17.35	-8.93	-8.85	-5.71	-3.74	-2.36	-2.29	-2.50	-2.84	-2.82	-6.82	-6.22
195	-18.19	-18.64	-8.99	-8.92	-5.78	-4.06	-2.27	-2.00	-2.43	-2.68	-2.26	-7.07	-5.90
210	-18.25	-19.46	-9.34	-9.37	-5.78	-4.21	-2.29	-1.83	-2.18	-2.43	-1.94	-7.67	-6.32
225	-19.01	-19.92	-9.64	-9.81	-5.82	-4.09	-2.28	-1.56	-1.79	-2.25	-2.01	-8.22	-7.29
240	-20.57	-20.66	-10.11	-10.27	-5.78	-3.71	-2.08	-1.25	-1.39	-2.15	-2.37	-8.61	-9.06
255	-22.15	-19.77	-10.42	-10.20	-5.57	-3.10	-1.74	-0.96	-1.17	-2.48	-3.28	-9.19	-12.72
270	-25.12	-18.82	-10.26	-9.68	-5.17	-2.54	-1.36	-1.06	-1.35	-3.06	-4.29	-9.44	-18.27
285	-30.09	-16.96	-9.73	-9.17	-4.71	-1.98	-1.41	-1.37	-1.91	-3.96	-5.57	-9.74	-24.92
300	-38.02	-15.70	-8.93	-8.16	-4.24	-1.68	-1.74	-1.93	-2.60	-5.00	-6.79	-9.88	-16.30
315	-32.30	-14.24	-8.34	-7.46	-3.93	-1.77	-2.20	-2.55	-3.38	-5.89	-7.35	-10.18	-11.56
330	-26.01	-13.22	-7.93	-6.86	-3.95	-2.03	-2.68	-3.06	-3.97	-6.50	-7.39	-10.27	-8.95
345	-22.98	-12.91	-7.70	-6.49	-4.22	-2.36	-2.86	-3.51	-4.53	-6.97	-7.22	-10.31	-7.39
360	-21.24	-12.51	-7.70	-6.34	-4.42	-2.51	-2.87	-3.85	-4.86	-7.20	-7.22	-10.30	-6.44
Avg.	-22.19	-15.20	-9.12	-8.26	-4.96	-2.93	-2.45	-2.47	-2.96	-4.49	-5.26	-8.88	-9.27
	Peak Value		-0.956	Minimum Value		-38.019							

Vertical													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-26.58	-33.62	-22.24	-28.97	-18.66	-18.19	-16.21	-20.40	-22.58	-15.59	-18.11	-24.03	-22.08
15	-32.97	-32.69	-21.09	-24.63	-18.87	-17.76	-15.44	-16.96	-26.83	-17.74	-16.94	-26.31	-22.59
30	-35.99	-26.73	-19.80	-21.22	-17.30	-15.49	-14.13	-13.30	-17.89	-18.66	-13.05	-33.98	-15.39
45	-27.49	-22.99	-20.27	-21.30	-15.57	-13.25	-13.04	-11.65	-13.27	-14.99	-9.48	-28.56	-11.08
60	-23.18	-22.26	-21.79	-22.85	-15.25	-12.64	-12.57	-10.44	-10.24	-12.12	-7.97	-21.58	-8.43
75	-22.05	-22.89	-24.16	-24.61	-15.76	-12.21	-12.34	-10.12	-9.00	-9.92	-7.01	-17.43	-6.58
90	-20.80	-22.69	-26.98	-25.40	-17.55	-12.05	-12.37	-11.37	-9.16	-8.92	-6.88	-14.76	-6.20
105	-20.18	-22.84	-28.19	-23.89	-20.44	-12.76	-11.76	-13.57	-11.21	-9.39	-7.49	-13.47	-6.95
120	-19.84	-23.43	-29.81	-22.83	-23.66	-15.15	-11.53	-13.81	-14.56	-11.24	-8.81	-13.47	-7.87
135	-20.59	-22.96	-30.30	-21.26	-22.87	-18.68	-13.09	-13.86	-17.29	-14.69	-11.26	-14.53	-9.09
150	-21.52	-22.59	-30.83	-19.75	-20.60	-21.14	-16.68	-15.49	-17.29	-19.70	-13.45	-17.13	-10.96
165	-23.20	-22.89	-30.57	-19.19	-18.94	-20.82	-26.71	-19.43	-18.07	-24.84	-17.10	-22.31	-14.47
180	-25.66	-22.58	-27.36	-20.15	-20.28	-20.97	-43.35	-28.34	-22.72	-26.30	-23.01	-32.54	-21.60
195	-28.54	-23.58	-23.52	-21.80	-22.71	-23.35	-28.65	-30.21	-40.52	-21.63	-27.50	-24.36	-27.41
210	-28.75	-26.02	-21.07	-24.43	-30.19	-35.07	-23.67	-21.69	-22.54	-18.48	-18.68	-18.47	-16.04
225	-24.63	-29.26	-19.89	-29.16	-27.66	-24.36	-20.88	-17.68	-15.52	-15.48	-13.68	-15.86	-11.55
240	-20.87	-32.14	-19.70	-36.15	-19.48	-16.76	-17.26	-14.36	-11.73	-12.86	-10.45	-14.99	-9.23
255	-18.98	-28.19	-19.67	-25.97	-15.44	-12.93	-13.50	-11.29	-9.64	-11.10	-8.35	-15.16	-7.91
270	-17.75	-22.96	-19.42	-20.18	-12.85	-10.82	-11.53	-10.08	-8.19	-9.83	-6.98	-15.48	-7.25
285	-16.87	-20.57	-18.89	-17.56	-11.89	-9.81	-10.05	-9.45	-8.27	-9.41	-6.50	-16.62	-7.19
300	-16.79	-19.52	-18.61	-16.75	-12.02	-9.54	-9.64	-10.27	-9.31	-9.39	-6.80	-17.47	-7.56
315	-17.58	-19.53	-19.22	-17.72	-12.93	-10.28	-10.54	-12.80	-10.81	-10.01	-8.12	-18.86	-8.72
330	-18.59	-20.73	-20.87	-21.36	-14.22	-11.56	-12.82	-16.91	-12.78	-11.09	-9.84	-20.46	-10.76
345	-21.23	-24.22	-22.68	-25.79	-15.82	-14.18	-15.60	-22.74	-15.85	-13.13	-13.79	-21.50	-13.94
360	-26.58	-33.62	-22.24	-28.97	-18.66	-18.19	-16.21	-20.40	-22.58	-15.59	-18.11	-24.03	-22.08
Avg.	-21.16	-23.41	-21.92	-21.68	-16.67	-14.04	-13.79	-13.60	-12.61	-12.64	-10.10	-17.74	-9.96
Peak Value		-6.204		Minimum Value		-43.348							

RHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-22.81	-15.33	-9.22	-8.75	-6.16	-4.50	-4.35	-5.67	-7.70	-8.57	-10.63	-11.92	-10.61
15	-22.27	-14.95	-9.14	-8.49	-6.02	-4.09	-4.01	-5.27	-7.23	-8.42	-9.11	-12.16	-10.02
30	-22.37	-14.60	-9.07	-8.27	-5.68	-3.74	-3.69	-4.63	-6.54	-8.20	-7.65	-12.88	-9.56
45	-21.97	-14.26	-9.54	-8.57	-5.38	-3.50	-3.71	-4.44	-5.96	-7.90	-6.32	-13.86	-9.33
60	-20.79	-14.39	-10.12	-9.30	-5.55	-3.50	-4.23	-4.79	-5.87	-7.81	-5.85	-15.22	-9.32
75	-20.94	-15.03	-11.08	-10.48	-6.16	-3.61	-4.59	-5.76	-6.57	-8.15	-5.61	-16.78	-9.04
90	-20.27	-15.44	-11.86	-11.96	-7.36	-4.31	-4.65	-6.22	-7.73	-9.06	-5.81	-18.12	-9.69
105	-20.26	-16.18	-12.79	-12.92	-8.26	-6.03	-5.14	-5.23	-7.74	-9.96	-6.19	-17.78	-11.07
120	-20.17	-17.05	-13.19	-13.27	-8.08	-7.61	-6.91	-4.74	-6.27	-10.06	-6.68	-16.05	-11.76
135	-20.50	-17.70	-13.05	-13.92	-7.49	-7.54	-8.72	-5.44	-5.20	-8.70	-6.97	-13.88	-11.60
150	-20.25	-18.65	-12.90	-14.78	-7.77	-6.76	-8.12	-6.49	-4.89	-7.09	-6.73	-11.99	-10.75
165	-20.22	-19.73	-12.37	-15.06	-8.61	-6.71	-6.22	-6.61	-5.16	-6.10	-6.27	-10.41	-9.79
180	-19.73	-20.63	-11.69	-14.50	-9.41	-7.23	-5.32	-5.74	-5.54	-5.38	-5.61	-9.50	-9.08
195	-19.35	-22.35	-11.26	-14.11	-9.45	-7.68	-4.92	-4.79	-5.44	-4.78	-4.88	-9.02	-8.53
210	-19.00	-23.32	-11.10	-14.06	-8.89	-7.46	-4.61	-4.13	-5.00	-4.28	-4.41	-8.63	-8.35
225	-18.51	-24.86	-10.91	-13.80	-8.16	-6.94	-4.34	-3.58	-4.27	-3.84	-4.26	-8.38	-8.22
240	-18.28	-26.36	-10.90	-13.59	-7.45	-6.11	-3.90	-3.08	-3.55	-3.46	-4.32	-8.37	-8.55
255	-18.14	-25.47	-10.86	-13.22	-7.02	-5.55	-3.32	-2.73	-3.21	-3.51	-5.00	-8.76	-9.43
270	-18.52	-23.83	-10.76	-13.00	-6.83	-5.09	-2.89	-3.00	-3.36	-3.83	-5.79	-9.02	-10.30
285	-18.66	-21.40	-10.58	-13.13	-6.83	-4.60	-2.90	-3.70	-4.05	-4.56	-7.33	-9.61	-11.41
300	-19.08	-20.14	-10.26	-12.74	-6.67	-4.23	-3.38	-4.92	-5.22	-5.53	-9.67	-10.00	-12.14
315	-20.19	-18.19	-10.02	-11.95	-6.33	-4.31	-4.18	-6.16	-6.31	-6.56	-12.56	-10.61	-12.51
330	-20.79	-16.89	-9.80	-10.76	-6.15	-4.58	-4.87	-6.49	-7.05	-7.54	-14.68	-11.11	-12.37
345	-21.76	-16.41	-9.49	-9.73	-6.26	-4.83	-4.86	-6.25	-7.62	-8.28	-13.04	-11.40	-11.67
360	-22.81	-15.33	-9.22	-8.75	-6.16	-4.50	-4.35	-5.67	-7.70	-8.57	-10.63	-11.92	-10.61
Avg.	-20.18	-17.73	-10.92	-11.70	-7.19	-5.38	-4.71	-5.02	-5.69	-6.41	-6.79	-11.21	-10.20
Peak Value		-2.733		Minimum Value		-26.356							

LHCP													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-23.48	-15.65	-12.51	-9.99	-8.77	-6.55	-7.64	-8.24	-7.90	-11.02	-9.26	-14.82	-8.35
15	-24.03	-16.65	-12.91	-10.57	-9.36	-7.07	-8.13	-9.14	-8.61	-12.18	-11.50	-14.18	-8.52
30	-24.45	-17.42	-13.33	-11.26	-9.45	-7.35	-8.09	-9.45	-8.96	-12.99	-16.00	-13.13	-8.87
45	-24.59	-18.40	-13.54	-11.28	-9.21	-7.09	-7.16	-8.59	-8.11	-12.02	-25.68	-11.99	-8.90
60	-24.48	-18.63	-13.22	-11.12	-8.60	-6.57	-5.81	-6.76	-6.71	-9.74	-23.93	-10.74	-8.63
75	-24.91	-18.17	-12.90	-10.76	-7.86	-5.84	-4.65	-5.03	-5.15	-7.37	-15.43	-9.51	-8.19
90	-25.52	-17.92	-12.59	-10.52	-7.51	-5.21	-3.97	-3.93	-4.02	-5.59	-11.26	-8.47	-8.26
105	-26.49	-17.61	-12.43	-10.12	-7.51	-5.17	-3.70	-3.56	-3.49	-4.66	-8.82	-7.79	-8.96
120	-26.71	-16.95	-12.17	-9.92	-7.61	-5.25	-3.77	-3.64	-3.63	-4.53	-7.62	-7.45	-9.25
135	-27.47	-17.06	-11.96	-9.79	-7.76	-5.44	-4.08	-3.85	-4.31	-4.82	-6.90	-7.51	-9.19
150	-26.63	-17.22	-11.77	-9.73	-7.75	-5.68	-4.45	-4.14	-4.86	-5.31	-6.57	-7.95	-8.99
165	-24.42	-17.56	-11.94	-9.68	-7.85	-5.92	-5.17	-4.46	-5.23	-5.83	-6.29	-8.75	-8.96
180	-23.26	-18.16	-12.09	-9.80	-7.87	-6.17	-5.42	-4.88	-5.40	-6.33	-5.98	-10.15	-9.14
195	-23.04	-19.12	-12.53	-10.18	-8.06	-6.45	-5.65	-5.23	-5.43	-6.72	-5.68	-11.26	-9.26
210	-24.32	-20.37	-13.30	-10.97	-8.67	-6.98	-6.03	-5.57	-5.30	-6.72	-5.36	-13.17	-9.50
225	-27.16	-20.92	-14.21	-11.95	-9.56	-7.19	-6.34	-5.57	-5.00	-6.75	-5.27	-15.03	-9.76
240	-26.76	-21.62	-15.73	-12.97	-10.21	-6.94	-6.38	-5.31	-4.53	-6.78	-5.23	-16.25	-9.84
255	-24.67	-20.36	-17.08	-12.97	-9.70	-5.80	-6.04	-4.64	-4.05	-7.07	-5.23	-17.51	-9.95
270	-22.38	-18.52	-16.62	-11.73	-8.29	-4.81	-5.40	-4.19	-3.73	-7.35	-5.09	-17.76	-9.59
285	-21.01	-16.64	-14.96	-10.45	-7.10	-4.07	-5.11	-3.80	-3.97	-7.80	-4.99	-17.35	-9.14
300	-20.58	-15.47	-13.22	-9.18	-6.50	-3.85	-4.96	-3.83	-4.36	-8.18	-5.08	-16.83	-8.61
315	-20.72	-14.73	-12.29	-8.77	-6.52	-4.11	-5.10	-4.37	-5.11	-8.64	-5.48	-16.57	-8.30
330	-20.96	-14.48	-11.89	-8.88	-7.04	-4.59	-5.74	-5.37	-5.92	-9.01	-5.98	-15.92	-8.14
345	-22.28	-14.94	-12.02	-9.19	-7.75	-5.37	-6.61	-6.70	-6.88	-9.97	-7.41	-15.56	-8.10
360	-23.48	-15.65	-12.51	-9.99	-8.77	-6.55	-7.64	-8.24	-7.90	-11.02	-9.26	-14.82	-8.35
Avg.	-23.86	-17.48	-13.19	-10.53	-8.26	-5.86	-5.65	-5.30	-5.37	-7.41	-7.30	-11.52	-9.08
Peak Value		-3.493		Minimum Value		-27.474							

AR													
ϕ [deg]	θ [deg]												
	0	15	30	45	60	75	90	105	120	135	150	165	180
0	28.28	34.63	14.58	22.93	16.54	18.62	14.55	16.65	38.80	17.05	22.07	15.60	17.78
15	19.94	20.23	13.40	18.49	14.43	15.41	12.66	13.17	21.96	13.43	17.28	18.73	21.29
30	18.45	15.84	12.38	15.38	13.42	13.75	12.11	11.35	17.18	11.41	7.00	36.80	28.07
45	16.51	12.63	12.91	16.23	13.27	13.82	14.16	12.62	18.20	12.65	1.88	19.40	32.01
60	13.58	12.41	15.07	19.63	15.19	15.14	20.83	18.94	26.31	19.12	2.18	11.96	27.93
75	12.97	14.96	19.64	35.66	20.23	17.88	49.28	27.55	21.79	26.93	5.82	8.06	26.18
90	10.65	16.97	27.46	21.66	41.41	25.77	28.14	17.65	13.55	14.11	10.34	5.94	21.71
105	9.26	21.67	33.85	15.93	27.31	26.13	21.69	20.37	12.42	10.57	16.45	5.69	18.33
120	8.88	44.99	24.65	14.41	31.46	17.39	14.93	23.94	16.40	10.23	25.34	6.78	16.86
135	8.38	28.58	24.04	12.66	36.18	18.41	11.66	20.82	25.78	13.15	47.96	9.08	17.20
150	9.08	21.69	23.76	10.97	61.87	24.10	13.64	17.43	55.50	19.82	40.56	12.83	19.92
165	12.49	18.13	32.11	10.45	27.13	26.81	24.31	18.17	47.95	36.07	59.75	20.44	26.46
180	13.94	16.98	32.83	11.57	21.06	24.34	45.06	26.17	41.44	25.23	33.42	28.55	49.94
195	13.58	14.71	22.73	13.04	21.99	23.02	27.51	31.92	62.59	19.06	26.75	17.86	27.50
210	10.54	15.50	17.99	15.09	37.73	31.08	21.76	21.66	35.22	17.10	25.23	11.83	23.55
225	6.74	13.04	14.52	19.46	21.87	36.81	18.80	18.87	27.56	15.58	24.67	8.74	21.08
240	6.89	11.49	11.33	28.95	16.05	26.42	16.95	17.85	24.97	14.47	25.70	7.43	22.62
255	8.89	10.87	9.28	36.96	16.29	36.73	16.19	19.24	26.31	13.89	37.81	6.65	30.61
270	13.19	10.56	9.76	22.72	21.49	35.81	16.88	23.27	33.45	13.97	27.90	6.65	27.76
285	17.43	11.44	12.16	16.30	35.87	30.29	17.95	44.96	46.83	14.70	17.47	7.58	17.73
300	21.27	11.60	15.45	13.90	40.27	33.15	20.83	24.05	26.18	16.41	11.75	8.54	13.97
315	30.29	14.13	17.72	14.84	39.12	38.72	25.54	19.74	23.28	18.47	8.26	9.63	12.48
330	40.43	17.21	18.44	19.33	25.80	62.36	26.07	23.85	23.72	21.48	6.70	11.38	12.45
345	30.51	21.44	16.82	30.20	21.36	30.25	19.97	31.66	27.41	20.30	10.08	12.59	13.86
360	28.28	34.63	14.58	22.93	16.54	18.62	14.55	16.65	38.80	17.05	22.07	15.60	17.78
Avg.	27.64	31.61	25.08	26.70	48.03	48.45	36.82	31.74	49.66	23.70	46.15	23.82	36.27
Peak Value		62.592		Minimum Value		1.877							