

3D Radiation Pattern Measurement Results

1. Informations

Date		Test Engineer	
Customer		Antenna Version	
Model / Revision			
Test Condition			

Photo / Graph	Photo / Graph	Photo / Graph

2. Test Results

No	Frequency	Peak Value		Minimum Value		Avg. Gain	Efficiency
	[MHz]	Value[dBi]	Degree	Value[dBi]	Degree	[dBi]	[%]
1	2400.000	1.569810	60 / 120	-27.839407	150 / 60	-5.475165	28.345458
2	2408.000	0.544125	60 / 120	-30.738519	150 / 180	-6.480789	22.486461
3	2416.000	0.293679	60 / 120	-29.694487	150 / 60	-6.743193	21.168041
4	2424.000	0.903354	60 / 120	-28.452025	150 / 60	-6.146452	24.285935
5	2432.000	1.128047	60 / 120	-26.537485	150 / 60	-5.999996	25.118888
6	2440.000	1.179296	60 / 120	-25.413111	150 / 60	-6.144498	24.296863
7	2448.000	1.108798	60 / 120	-23.170022	120 / 300	-6.221815	23.868136
8	2456.000	1.157199	60 / 120	-24.439166	120 / 300	-6.326604	23.299122
9	2464.000	0.547232	60 / 120	-21.986848	180 / 60	-6.314004	23.366821
10	2472.000	0.720138	60 / 120	-24.419881	60 / 330	-5.966985	25.310548
11	2480.000	1.043689	60 / 120	-24.680348	90 / 330	-5.724623	26.763181
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- Data -

Summary		Rowdata		H Plane		E1 Plane		E2 Plane	
Frequency		Max Gain		Min Gain		Average Gain		Efficiency	
[MHz]	φ[Deg]	φ[Deg]	Gain[dB]	φ[Deg]	φ[Deg]	Gain[dB]	Gain[dB]	[%]	
2.408.000	60.0	120.0	0.544	150.0	180.0	-30.739	-6.481	22.486	
2.416.000	60.0	120.0	0.294	150.0	60.0	-29.694	-6.743	21.168	
2.424.000	60.0	120.0	0.903	150.0	60.0	-28.452	-6.146	24.286	
2.432.000	60.0	120.0	1.128	150.0	60.0	-26.537	-6.000	25.119	
2.440.000	60.0	120.0	1.179	150.0	60.0	-25.413	-6.144	24.297	
2.448.000	60.0	120.0	1.109	120.0	300.0	-23.170	-6.222	23.868	
2.456.000	60.0	120.0	1.157	120.0	300.0	-24.439	-6.327	23.299	
2.464.000	60.0	120.0	0.547	180.0	60.0	-21.987	-6.314	23.367	
2.472.000	60.0	120.0	0.720	60.0	330.0	-24.420	-5.967	25.311	
2.480.000	60.0	120.0	1.044	90.0	330.0	-24.680	-5.725	26.763	

- Polarization -

Horizontal + Vertical

FILE NAME

TEST_20180309

- Frequency -

2400.000
2408.000
2416.000
2424.000
2432.000
2440.000
2448.000
2456.000

- Theta -

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90.0
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180.0

- Phi -

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30.0
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120.0
150.0
180.0
210.0

- Graph -

Line Graph

- Scale -

☒ Auto ☐ Manual Min -30.7385 Max 1.56981 Setup

Open

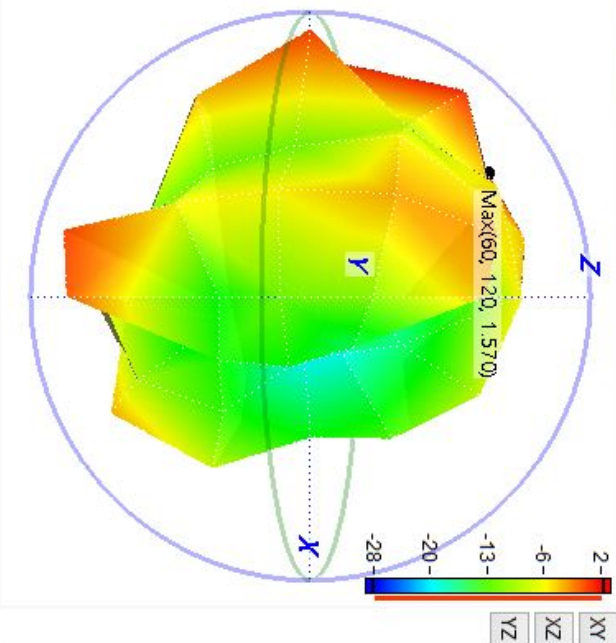
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Report

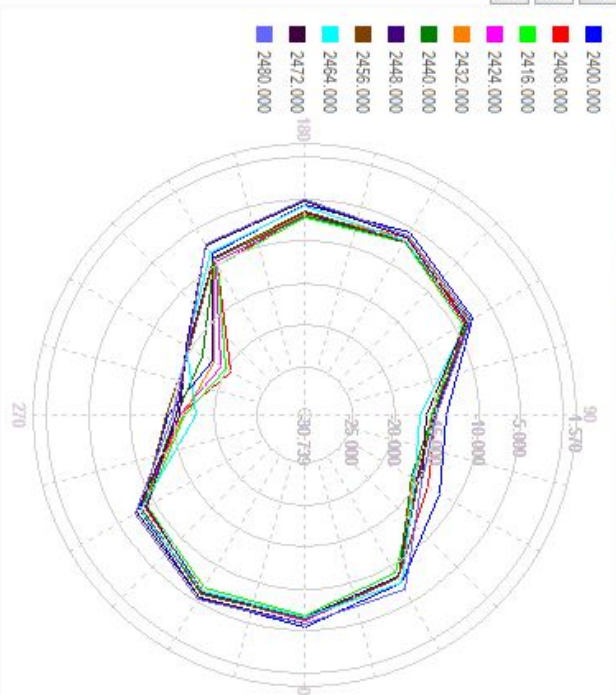
ECC

Multiple Cut

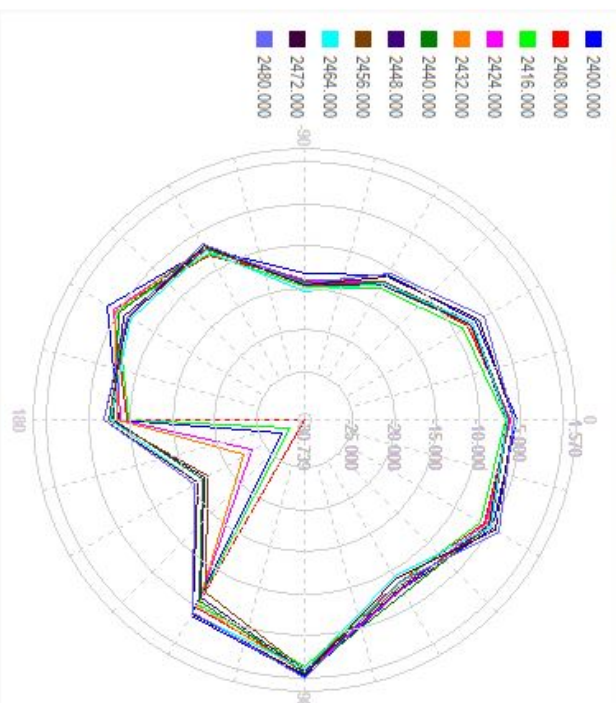
- 3D Graph -



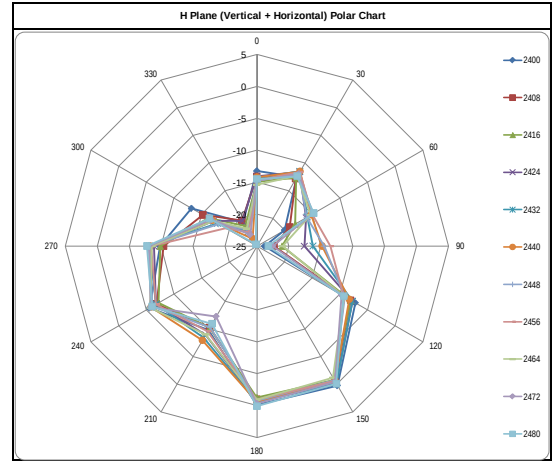
- Theta PolarLine Graph -



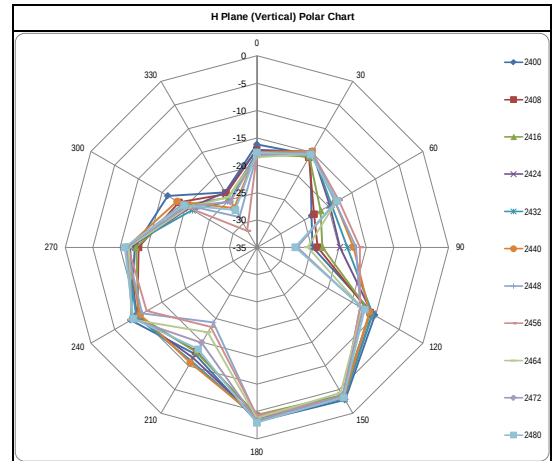
- Phi PolarLine Graph -



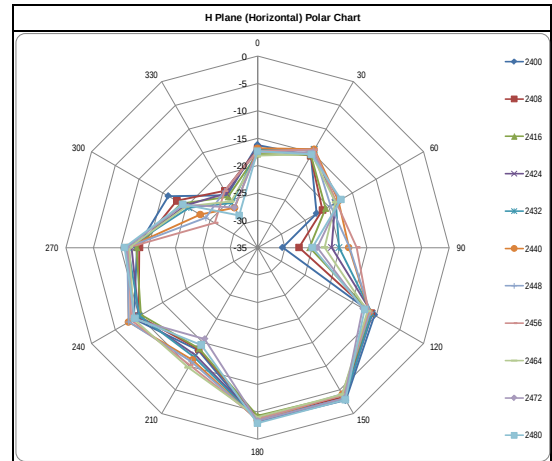
H Plane (Vertical + Horizontal)								
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)
		Θ (Deg)	Φ (Deg)	Value(dBi)	Θ (Deg)	Φ (Deg)	Value(dBi)	
1	2400	90	150	0.24	90	90	-23.77	-6.21
2	2408	90	150	-0.58	90	90	-22.31	-7.06
3	2416	90	150	-0.70	90	330	-21.37	-7.25
4	2424	90	150	-0.14	90	330	-20.46	-6.57
5	2432	90	150	-0.07	90	330	-22.41	-6.45
6	2440	90	180	-0.63	90	330	-23.67	-6.57
7	2448	90	150	-0.72	90	330	-22.00	-6.84
8	2456	90	150	-0.62	90	330	-22.47	-6.90
9	2464	90	180	-0.90	90	330	-21.83	-7.01
10	2472	90	180	-0.32	90	330	-22.84	-6.68
11	2480	90	180	0.08	90	330	-24.68	-6.36
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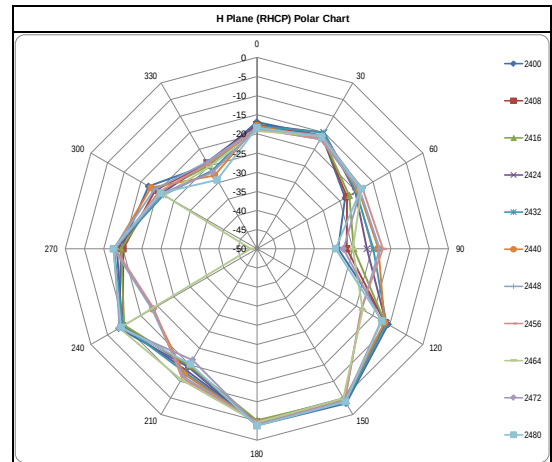
H Plane (Vertical)								
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)
		Θ (Deg)	Φ (Deg)	Value(dBi)	Θ (Deg)	Φ (Deg)	Value(dBi)	
1	2400	90	150	-2.80	90	90	-24.83	-9.18
2	2408	90	150	-3.70	90	90	-23.92	-10.15
3	2416	90	150	-3.81	90	330	-24.51	-10.26
4	2424	90	150	-3.17	90	330	-23.39	-9.60
5	2432	90	150	-3.07	90	330	-25.20	-9.46
6	2440	90	150	-3.27	90	330	-26.74	-9.64
7	2448	90	150	-3.45	90	330	-28.65	-10.15
8	2456	90	150	-3.48	90	330	-31.52	-10.28
9	2464	90	180	-3.79	90	90	-25.68	-10.21
10	2472	90	180	-3.35	90	90	-27.63	-9.78
11	2480	90	180	-2.95	90	90	-28.01	-9.45
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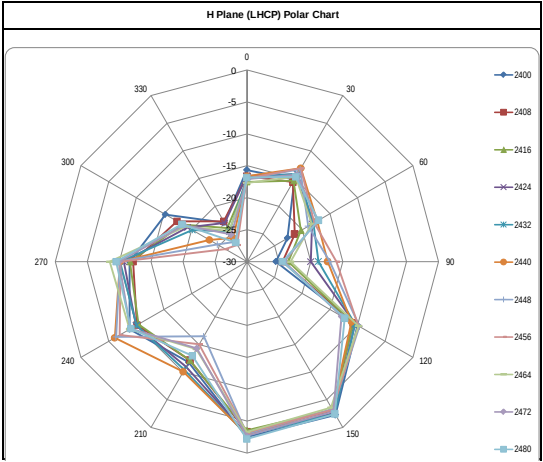
H Plane (Horizontal)								
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)
		Θ (Deg)	Φ (Deg)	Value(dBi)	Θ (Deg)	Φ (Deg)	Value(dBi)	
1	2400	90	150	-2.74	90	90	-30.42	-9.26
2	2408	90	150	-3.49	90	90	-27.41	-9.99
3	2416	90	150	-3.78	90	90	-25.45	-10.25
4	2424	90	150	-3.12	90	330	-23.56	-9.57
5	2432	90	150	-3.08	90	330	-25.64	-9.47
6	2440	90	180	-3.38	90	330	-26.63	-9.53
7	2448	90	180	-3.52	90	300	-24.13	-9.57
8	2456	90	180	-3.72	90	300	-26.01	-9.58
9	2464	90	150	-4.00	90	330	-25.29	-9.84
10	2472	90	150	-3.23	90	330	-26.55	-9.60
11	2480	90	150	-2.88	90	330	-28.27	-9.29
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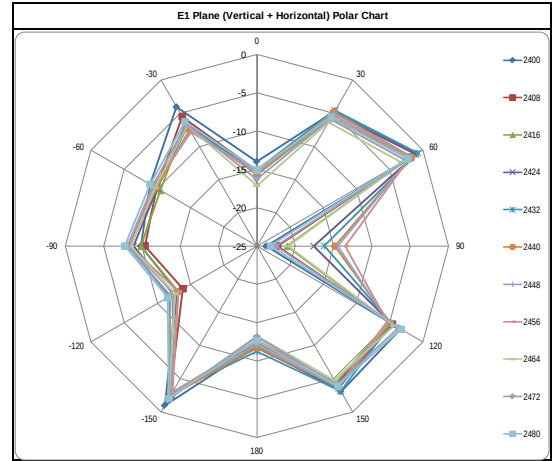
H Plane (RHCP)								
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)
		Θ (Deg)	Φ (Deg)	Value(dBi)	Θ (Deg)	Φ (Deg)	Value(dBi)	
1	2400	90	150	-3.35	90	90	-28.77	-9.83
2	2408	90	150	-4.20	90	90	-26.51	-10.70
3	2416	90	150	-4.48	90	330	-24.91	-10.96
4	2424	90	150	-3.82	90	330	-23.95	-10.29
5	2432	90	150	-3.75	90	330	-26.45	-10.17
6	2440	90	150	-4.07	90	330	-27.85	-10.68
7	2448	90	150	-4.22	90	330	-23.93	-11.03
8	2456	90	150	-4.11	90	330	-24.36	-11.01
9	2464	90	180	-4.63	90	270	-48.39	-10.87
10	2472	90	180	-4.07	90	90	-27.42	-10.33
11	2480	90	180	-3.79	90	90	-29.47	-10.14
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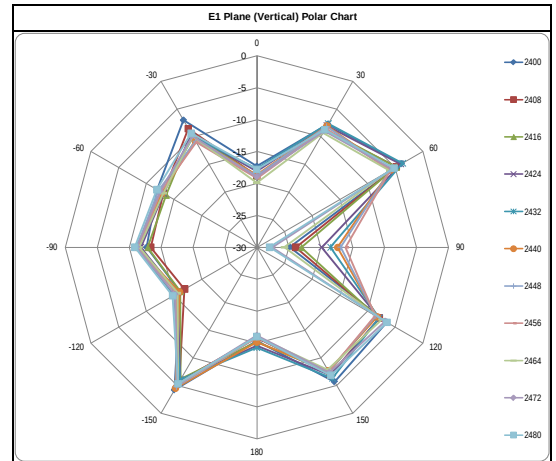
H Plane (LHCP)									
No	Frequency	Maximum Value			Minimum Value			Avg. Gain	Efficiency
	[MHz]	Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	150	-2.24	90	90	-25.43	-8.69	13.53
2	2408	90	150	-3.06	90	90	-24.39	-9.52	11.17
3	2416	90	150	-3.21	90	330	-23.91	-9.65	10.83
4	2424	90	150	-2.57	90	330	-23.04	-8.98	12.66
5	2432	90	150	-2.49	90	330	-24.58	-9.85	13.02
6	2440	90	180	-2.92	90	330	-25.76	-8.70	13.48
7	2448	90	180	-3.00	90	330	-26.47	-8.93	12.80
8	2456	90	150	-3.20	90	330	-26.98	-9.04	12.48
9	2464	90	180	-3.30	90	330	-24.46	-9.31	11.71
10	2472	90	180	-2.69	90	330	-25.13	-9.13	12.21
11	2480	90	180	-2.21	90	330	-26.54	-8.72	13.44
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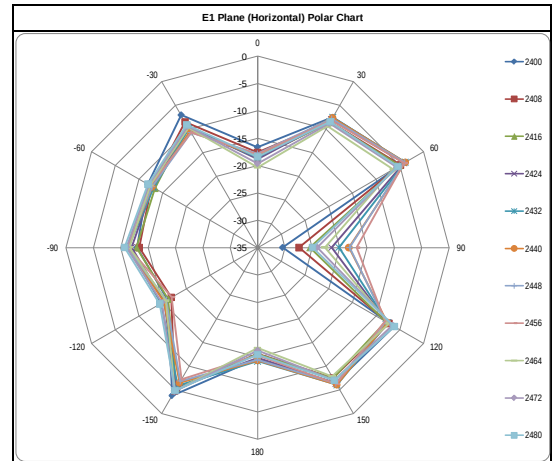
E1 Plane (Vertical + Horizontal)									
No	Maximum Value			Minimum Value			Avg. Gain	Efficiency	
	Frequency (MHz)	Θ (Deg)	Φ (Deg)	Value(dB)	Θ (Deg)	Φ (Deg)			Value(dB)
1	2400	90	60	-0.92	90	90	-23.77	-5.12	30.80
2	2408	90	60	-1.81	90	90	-22.31	-6.23	23.85
3	2416	90	60	-1.91	90	90	-21.07	-6.50	22.38
4	2424	90	60	-1.02	90	90	-17.56	-5.95	25.42
5	2432	90	60	-0.74	90	90	-16.20	-5.78	26.44
6	2440	90	60	-1.70	90	0	-15.47	-6.10	24.52
7	2448	90	60	-1.80	90	0	-15.31	-6.25	23.71
8	2456	90	60	-1.91	90	0	-15.50	-6.41	22.87
9	2464	90	-150	-2.00	90	90	-20.93	-6.59	21.94
10	2472	90	-150	-1.88	90	90	-22.49	-6.15	24.29
11	2480	90	-150	-2.06	90	90	-23.22	-5.93	25.51
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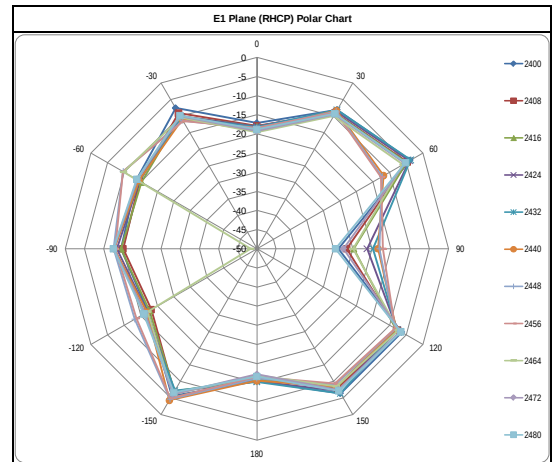
E1 Plane (Vertical)									
No	Frequency (MHz)	Maximum Value			Minimum Value		Avg. Gain (dB)	Efficiency (%)	
		Θ (Deg)	Φ (Deg)	Value(dB)	Θ (Deg)	Φ (Deg)			Value(dB)
1	2400	90	60	-3.85	90	90	-24.83	-8.14	15.36
2	2408	90	60	-4.79	90	90	-23.92	-9.37	11.56
3	2416	90	60	-4.81	90	90	-23.03	-9.60	10.95
4	2424	90	60	-3.95	90	90	-19.81	-9.05	12.44
5	2432	90	60	-3.65	90	90	-18.44	-8.82	13.13
6	2440	90	-150	-4.52	90	0	-18.63	-9.34	11.63
7	2448	90	-150	-4.80	90	0	-18.82	-9.44	11.39
8	2456	90	-150	-5.08	90	0	-19.17	-9.58	11.02
9	2464	90	-150	-5.29	90	90	-25.68	-9.65	10.84
10	2472	90	-150	-5.18	90	90	-27.63	-9.29	11.78
11	2480	90	60	-5.18	90	90	-28.01	-9.03	12.50
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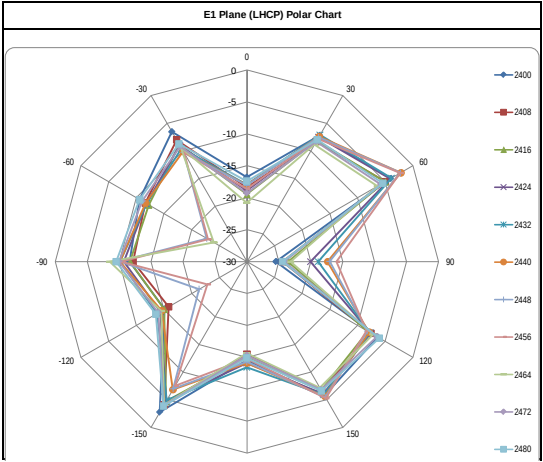
E1 Plane (Horizontal)									
No	Frequency [MHz]	Maximum Value		Minimum Value		Avg. Gain [dB]	Efficiency [%]		
		Θ [Deg]	Φ [Deg]	Θ [Deg]	Φ [Deg]				
1	2400	90	-150	-3.77	90	-30.42	-8.12	15.43	
2	2408	90	-150	-4.79	90	-27.41	-9.11	12.28	
3	2416	90	60	-5.03	90	-25.45	-9.42	11.42	
4	2424	90	60	-4.12	90	-21.49	-8.87	12.98	
5	2432	90	60	-3.85	90	-20.14	-8.76	13.31	
6	2440	90	60	-3.85	90	0	-18.34	-8.90	12.89
7	2448	90	60	-3.94	90	0	-18.15	-9.09	12.32
8	2456	90	60	-4.12	90	0	-17.94	-9.26	11.85
9	2464	90	-150	-4.75	90	0	-22.71	-9.55	11.10
10	2472	90	-150	-4.61	90	0	-24.08	-9.03	12.51
11	2480	90	-150	-4.83	90	0	-24.98	-8.86	13.00
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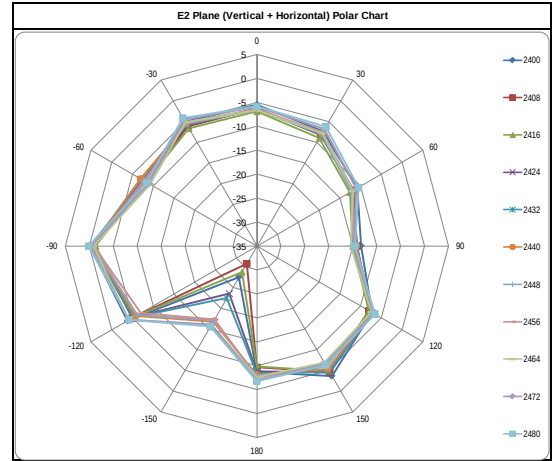
E1 Plane (RHCP)									
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)	Efficiency (%)
		Θ (Deg)	Φ (Deg)	Value(dB)	Θ (Deg)	Φ (Deg)	Value(dB)		
1	2400	90	60	-3.84	90	90	-28.77	-8.70	13.49
2	2408	90	60	-4.68	90	90	-26.51	-9.80	10.47
3	2416	90	60	-4.86	90	90	-24.73	-10.11	9.74
4	2424	90	60	-3.99	90	90	-21.21	-9.48	11.26
5	2432	90	60	-3.66	90	90	-19.65	-9.25	11.88
6	2440	90	-150	-4.31	90	0	-19.07	-10.25	9.43
7	2448	90	-150	-4.68	90	0	-18.59	-10.18	9.60
8	2456	90	-150	-4.89	90	0	-18.40	-10.38	9.16
9	2464	90	60	-5.96	90	-90	-48.39	-10.11	9.76
10	2472	90	60	-5.38	90	90	-27.42	-9.71	10.68
11	2480	90	60	-5.14	90	90	-29.47	-9.62	10.91
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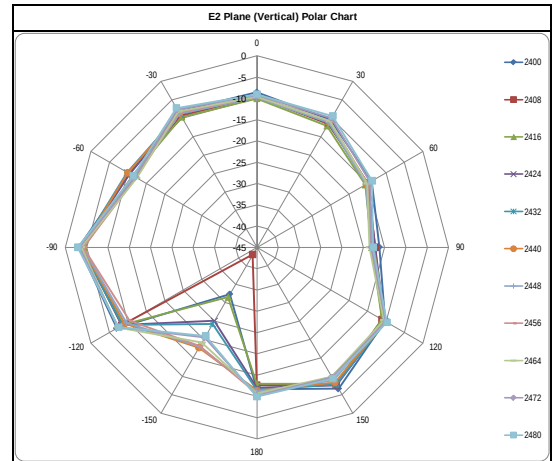
E1 Plane (LHCP)									
No	Frequency	Maximum Value			Minimum Value			Avg. Gain	Efficiency
	[MHz]	Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	-150	-2.78	90	90	-25.43	-7.62	17.31
2	2408	90	-150	-4.14	90	90	-24.39	-8.74	13.38
3	2416	90	-150	-4.72	90	90	-23.51	-8.98	12.64
4	2424	90	60	-4.08	90	90	-20.01	-8.49	14.15
5	2432	90	60	-3.84	90	90	-18.80	-9.37	14.57
6	2440	90	60	-2.15	90	0	-17.96	-8.21	15.09
7	2448	90	60	-2.21	90	-60	-22.79	-8.50	14.11
8	2456	90	60	-2.29	90	-60	-22.99	-8.63	13.71
9	2464	90	-150	-4.11	90	-60	-24.05	-9.14	12.18
10	2472	90	-150	-3.93	90	90	-24.17	-8.66	13.61
11	2480	90	-150	-3.89	90	90	-24.40	-8.36	14.59
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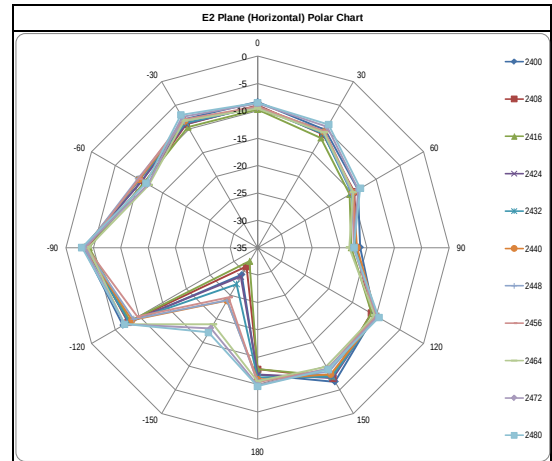
E2 Plane (Vertical + Horizontal)									
No	Frequency	Maximum Value			Minimum Value			Avg. Gain	Efficiency
	[MHz]	Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	90	-0.14	90	-150	-27.49	-5.70	26.93
2	2408	90	-90	-1.02	90	-150	-30.74	-6.63	21.75
3	2416	90	-90	-1.30	90	-150	-28.78	-6.98	20.06
4	2424	90	-90	-0.68	90	-150	-23.51	-6.37	23.07
5	2432	90	-90	-0.57	90	-150	-22.46	-6.29	23.51
6	2440	90	-90	-0.63	90	-150	-16.80	-6.36	23.11
7	2448	90	-90	-0.77	90	-150	-17.05	-6.60	21.90
8	2456	90	-90	-0.97	90	-150	-17.33	-6.67	21.53
9	2464	90	-90	-0.90	90	-150	-15.98	-6.50	22.40
10	2472	90	-90	-0.32	90	-150	-16.01	-5.98	25.23
11	2480	90	-90	0.08	90	-150	-15.58	-5.67	27.07
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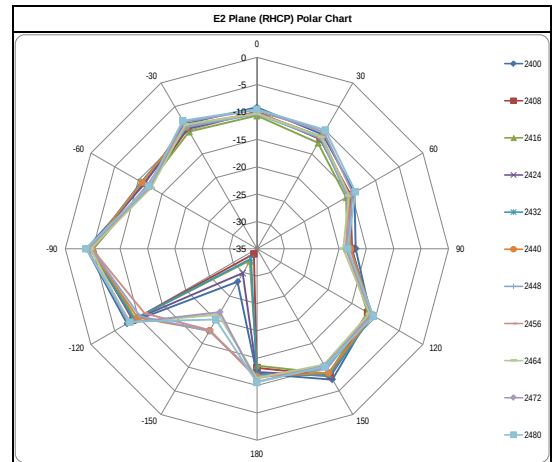
E2 Plane (Vertical)									
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)	Efficiency (%)
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	-90	-3.14	90	-150	-32.28	-8.74	13.37
2	2408	90	-90	-4.15	90	-150	-43.04	-9.79	10.49
3	2416	90	-90	-4.39	90	-150	-31.50	-10.09	9.79
4	2424	90	-90	-3.78	90	-150	-25.01	-9.48	11.28
5	2432	90	-90	-3.71	90	-150	-24.19	-9.39	11.51
6	2440	90	-90	-3.91	90	-150	-17.77	-9.55	11.09
7	2448	90	-90	-4.06	90	90	-18.22	-9.88	10.28
8	2456	90	-90	-4.25	90	-150	-18.26	-9.93	10.16
9	2464	90	-90	-3.79	90	-150	-19.17	-9.53	11.15
10	2472	90	-90	-3.35	90	-150	-20.49	-9.14	12.19
11	2480	90	-90	-2.95	90	-150	-20.94	-8.82	13.13
12									
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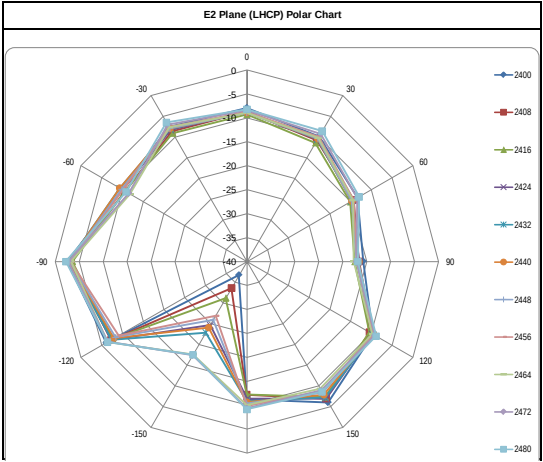
E2 Plane (Horizontal)									
No	Frequency (MHz)	Maximum Value			Minimum Value			Avg. Gain (dB)	Efficiency (%)
		Θ (Deg)	Φ (Deg)	Value(dB)	Θ (Deg)	Φ (Deg)	Value(dB)		
1	2400	90	-90	-3.16	90	-150	-29.24	-8.68	13.56
2	2408	90	-90	-3.91	90	-150	-31.00	-9.48	11.27
3	2416	90	-90	-4.23	90	-150	-32.10	-9.88	10.27
4	2424	90	-90	-3.60	90	-150	-28.86	-9.28	11.79
5	2432	90	-90	-3.46	90	-150	-27.50	-9.21	12.00
6	2440	90	-90	-3.38	90	-150	-23.79	-9.20	12.02
7	2448	90	-90	-3.52	90	-150	-23.89	-9.35	11.62
8	2456	90	-90	-3.72	90	-150	-24.47	-9.44	11.37
9	2464	90	-90	-4.04	90	-150	-18.82	-9.49	11.25
10	2472	90	-90	-3.31	90	-150	-17.93	-8.85	13.05
11	2480	90	-90	-2.90	90	90	-17.38	-8.56	13.94
12									
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E2 Plane (RHCP)									
No	Maximum Value			Minimum Value			Avg. Gain	Efficiency	
	Frequency (MHz)	Θ (Deg)	Φ (Deg)	Value(dB)	Θ (Deg)	Φ (Deg)			Value(dB)
1	2400	90	-90	-3.90	90	-150	-28.04	-9.43	11.41
2	2408	90	-90	-4.82	90	-150	-33.91	-10.35	9.23
3	2416	90	-90	-5.18	90	-150	-32.48	-10.76	8.39
4	2424	90	-90	-4.59	90	-150	-29.87	-10.14	9.67
5	2432	90	-90	-4.49	90	-150	-32.89	-10.05	9.88
6	2440	90	-90	-4.50	90	90	-17.88	-10.08	9.81
7	2448	90	-90	-4.73	90	90	-18.61	-10.42	9.07
8	2456	90	-90	-4.88	90	90	-18.76	-10.50	8.91
9	2464	90	-90	-4.63	90	-150	-21.04	-10.24	9.46
10	2472	90	-90	-4.07	90	-150	-21.59	-9.74	10.62
11	2480	90	-90	-3.79	90	-150	-20.01	-9.53	11.15
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E2 Plane (LHCP)									
No	Frequency	Maximum Value			Minimum Value			Avg. Gain	Efficiency
	[MHz]	Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]	[dBi]	[%]
1	2400	90	-90	-2.51	90	-150	-36.73	-8.09	15.51
2	2408	90	-90	-3.36	90	-150	-33.59	-9.02	12.52
3	2416	90	-90	-3.58	90	-150	-31.20	-9.33	11.67
4	2424	90	-90	-2.94	90	-150	-24.66	-8.73	13.40
5	2432	90	-90	-2.83	90	-150	-22.87	-8.66	13.63
6	2440	90	-90	-2.92	90	-150	-24.07	-8.76	13.29
7	2448	90	-90	-3.00	90	-150	-25.93	-8.92	12.83
8	2456	90	-90	-3.23	90	-150	-26.98	-8.99	12.62
9	2464	90	-90	-3.30	90	90	-17.68	-8.88	12.94
10	2472	90	-90	-2.69	90	-150	-17.42	-8.35	14.61
11	2480	90	-90	-2.21	90	-150	-17.53	-7.98	15.93
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Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-5.47	-7.31	-10.81	-13.22	-7.23	-3.63	-8.69
30	-7.60	-7.58	-9.78	-12.50	-10.52	-3.77	-11.31
60	-12.12	-10.94	-12.54	-19.98	-9.49	-27.84	-18.88
90	-13.97	-4.65	-0.92	-23.77	-3.34	-3.04	-11.99
120	-7.73	-3.91	1.57	-7.19	-0.56	-11.49	-9.19
150	-5.66	-6.87	0.58	0.24	-3.08	-7.85	-7.88
180	-5.68	-5.04	-7.56	-0.14	-3.82	-27.49	-7.00
210	-8.64	-5.12	-5.69	-9.85	-10.16	-9.04	-8.26
240	-18.01	-2.86	-3.35	-5.62	-5.64	-0.32	-16.15
270	-14.50	-4.03	-8.91	-9.85	-13.03	-0.97	-13.26
300	-8.10	-17.80	-15.58	-13.19	-12.52	-18.50	-5.86
330	-5.56	-16.21	-19.86	-20.70	-11.94	-7.90	-4.94
360	-5.47	-7.31	-10.81	-13.22	-7.23	-3.63	-8.69
Avg.	-8.37	-6.41	-4.41	-6.56	-6.12	-5.55	-9.18
Peak Value		1.570	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.39	-10.23	-13.80	-16.25	-10.28	-6.66	-11.80
30	-10.29	-10.41	-12.79	-15.55	-13.44	-7.08	-13.93
60	-14.55	-13.95	-15.30	-22.55	-12.29	-35.40	-22.13
90	-16.68	-7.56	-4.02	-30.42	-6.20	-6.46	-14.71
120	-10.70	-6.87	-1.38	-10.29	-3.34	-15.20	-12.11
150	-8.85	-9.93	-2.49	-2.74	-6.14	-11.02	-10.98
180	-8.82	-7.97	-10.66	-3.16	-6.64	-29.24	-10.02
210	-11.85	-8.21	-8.71	-13.28	-12.98	-11.75	-11.13
240	-20.75	-5.84	-6.52	-8.87	-8.94	-3.36	-19.78
270	-17.91	-7.05	-11.87	-12.98	-15.99	-3.77	-16.66
300	-11.22	-20.48	-19.04	-16.17	-15.87	-20.68	-8.87
330	-8.38	-18.38	-22.79	-23.98	-19.02	-10.63	-8.22
360	-8.39	-10.23	-13.80	-16.25	-10.28	-6.66	-11.80
Avg.	-11.35	-9.38	-7.45	-9.61	-9.09	-8.61	-12.24
Peak Value		-1.385	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.57	-10.41	-13.85	-16.22	-10.21	-6.63	-11.61
30	-10.95	-10.78	-12.78	-15.47	-13.62	-6.50	-14.75
60	-15.81	-13.95	-15.81	-23.47	-12.73	-28.68	-21.65
90	-17.32	-7.78	-3.85	-24.83	-6.51	-5.68	-15.32
120	-10.78	-6.97	-1.50	-10.12	-3.81	-13.89	-12.30
150	-8.50	-9.84	-2.37	-2.80	-6.04	-10.71	-10.80
180	-8.56	-8.14	-10.49	-3.14	-7.02	-32.28	-9.99
210	-11.47	-8.05	-8.68	-12.47	-13.37	-12.37	-11.42
240	-21.31	-5.91	-6.21	-8.41	-8.39	-3.29	-18.62

270	-17.14	-7.02	-11.97	-12.75	-16.08	-4.20	-15.92
300	-11.00	-21.16	-18.18	-16.22	-15.22	-22.54	-8.87
330	-8.77	-20.26	-22.95	-23.45	-12.89	-11.22	-7.70
360	-8.57	-10.41	-13.85	-16.22	-10.21	-6.63	-11.61
Avg.	-11.42	-9.47	-7.40	-9.53	-9.16	-8.52	-12.15
Peak Value		-1.497	Minimum Value		#####		

RHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-9.14	-10.91	-14.41	-16.90	-11.01	-7.40	-12.23
30	-11.42	-11.09	-13.08	-15.92	-14.14	-7.50	-14.55
60	-15.70	-14.32	-16.59	-23.35	-13.35	-37.06	-22.29
90	-17.18	-8.14	-3.84	-28.77	-6.38	-6.39	-15.54
120	-11.13	-7.45	-2.60	-10.41	-3.75	-16.31	-13.07
150	-9.32	-10.48	-3.25	-3.38	-7.13	-11.91	-11.60
180	-9.28	-8.68	-11.32	-3.90	-7.68	-28.04	-10.44
210	-12.24	-8.73	-8.93	-14.28	-14.50	-12.00	-11.91
240	-21.16	-6.40	-6.52	-8.44	-8.94	-3.91	-20.47
270	-17.64	-7.60	-13.80	-14.53	-17.16	-5.63	-16.97
300	-11.61	-21.55	-18.78	-17.36	-15.83	-20.95	-9.60
330	-9.18	-19.36	-23.65	-24.65	-20.93	-11.14	-8.52
360	-9.14	-10.91	-14.41	-16.90	-11.01	-7.40	-12.23
Avg.	-11.97	-9.97	-8.07	-10.18	-9.69	-9.36	-12.81
Peak Value		-2.595	Minimum Value		#####		

LHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-7.91	-9.80	-13.31	-15.65	-9.59	-6.00	-11.23
30	-9.92	-10.14	-12.52	-15.14	-13.00	-6.17	-14.10
60	-14.63	-13.61	-14.70	-22.65	-11.79	-28.39	-21.52
90	-16.80	-7.24	-4.03	-25.43	-6.32	-5.74	-14.53
120	-10.38	-6.45	-0.53	-10.00	-3.39	-13.23	-11.48
150	-8.10	-9.36	-1.75	-2.24	-5.25	-10.02	-10.28
180	-8.17	-7.51	-9.93	-2.51	-6.11	-36.73	-9.61
210	-11.14	-7.61	-8.48	-11.79	-12.16	-12.09	-10.72
240	-20.89	-5.40	-6.21	-8.83	-8.39	-2.81	-18.16
270	-17.38	-6.54	-10.61	-11.66	-15.15	-2.78	-15.67
300	-10.66	-20.17	-18.40	-15.28	-15.26	-22.15	-8.25
330	-8.04	-19.08	-22.21	-22.93	-12.53	-10.70	-7.45
360	-7.91	-9.80	-13.31	-15.65	-9.59	-6.00	-11.23
Avg.	-10.87	-8.94	-6.86	-9.03	-8.63	-7.89	-11.66
Peak Value		-0.529	Minimum Value		#####		

AR							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	22.99	23.94	23.94	22.86	21.75	21.90	24.82

30	21.31	25.21	29.84	26.89	23.68	22.30	31.86
60	24.24	27.81	19.31	27.93	20.94	6.72	27.04
90	33.12	25.71	39.16	14.42	50.20	28.64	24.73
120	27.32	24.78	18.54	32.49	33.76	15.10	20.83
150	23.07	23.87	21.30	23.70	19.37	19.29	22.39
180	23.88	23.49	21.92	21.97	20.90	6.70	26.44
210	23.99	23.77	31.84	16.91	17.48	45.94	23.28
240	36.16	24.84	34.92	33.03	30.01	23.99	17.56
270	36.68	24.35	14.82	15.73	18.74	15.78	22.53
300	25.25	21.98	33.21	18.48	29.72	23.25	22.21
330	23.62	35.72	21.62	20.14	6.95	31.88	24.23
360	22.99	23.94	23.94	22.86	21.75	21.90	24.82
Avg.	30.08	27.33	31.12	26.47	39.27	35.15	25.15
Peak Value			50.199	Minimum Value			6.704

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.28	-8.29	-11.70	-14.09	-8.02	-4.53	-9.68
30	-8.54	-8.99	-10.67	-12.81	-11.84	-4.49	-12.81
60	-13.73	-12.40	-13.69	-19.03	-10.02	-30.26	-18.09
90	-15.16	-5.68	-1.81	-22.31	-4.54	-4.21	-12.70
120	-8.81	-4.90	0.54	-8.04	-1.71	-12.30	-9.93
150	-6.77	-7.58	-0.62	-0.58	-4.28	-8.82	-8.18
180	-6.86	-6.13	-8.28	-1.02	-4.97	-30.74	-7.65
210	-10.07	-5.86	-6.72	-10.26	-11.56	-10.05	-9.48
240	-20.64	-3.71	-4.52	-6.85	-7.38	-0.98	-16.91
270	-15.76	-5.53	-9.87	-10.40	-13.86	-2.25	-13.51
300	-8.83	-19.10	-17.48	-15.25	-13.93	-17.66	-6.57
330	-6.48	-15.67	-19.45	-20.37	-12.87	-8.70	-5.58
360	-6.28	-8.29	-11.70	-14.09	-8.02	-4.53	-9.68
Avg.	-9.42	-7.43	-5.45	-7.40	-7.29	-6.48	-9.90
Peak Value		0.544	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.01	-11.13	-14.58	-17.00	-11.00	-7.43	-12.74
30	-11.11	-11.87	-13.47	-15.65	-14.53	-7.57	-15.59
60	-16.09	-15.47	-16.40	-21.30	-12.79	-38.20	-21.26
90	-17.63	-8.53	-4.85	-27.41	-7.29	-7.46	-15.59
120	-11.59	-7.84	-2.31	-11.00	-4.35	-14.88	-12.62
150	-9.58	-10.52	-3.55	-3.49	-7.24	-11.49	-11.11
180	-9.84	-8.98	-11.19	-3.91	-7.67	-31.00	-10.73
210	-13.21	-8.80	-9.61	-13.53	-14.40	-12.96	-12.40
240	-23.67	-6.66	-7.53	-9.91	-10.60	-3.84	-19.65
270	-19.35	-8.51	-12.64	-13.40	-16.79	-4.79	-17.00
300	-11.96	-21.78	-20.64	-17.98	-17.19	-19.96	-9.34
330	-9.30	-17.80	-22.10	-23.05	-19.17	-11.53	-8.60
360	-9.01	-11.13	-14.58	-17.00	-11.00	-7.43	-12.74
Avg.	-12.26	-10.34	-8.37	-10.33	-10.15	-9.34	-12.84
Peak Value		-2.313	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.60	-11.47	-14.85	-17.21	-11.06	-7.66	-12.63
30	-12.03	-12.13	-13.91	-16.01	-15.20	-7.43	-16.07
60	-17.51	-15.35	-17.02	-22.93	-13.29	-31.02	-20.94
90	-18.80	-8.85	-4.79	-23.92	-7.83	-7.00	-15.83
120	-12.05	-7.98	-2.62	-11.11	-5.12	-15.78	-13.29
150	-10.00	-10.66	-3.71	-3.70	-7.34	-12.19	-11.28
180	-9.89	-9.31	-11.40	-4.15	-8.32	-43.04	-10.60
210	-12.95	-8.94	-9.86	-13.02	-14.76	-13.16	-12.57
240	-23.64	-6.79	-7.53	-9.81	-10.20	-4.14	-20.20

270	-18.26	-8.56	-13.12	-13.42	-16.95	-5.78	-16.08
300	-11.72	-22.45	-20.35	-18.57	-16.69	-21.51	-9.84
330	-9.68	-19.79	-22.85	-23.74	-14.03	-11.90	-8.58
360	-9.60	-11.47	-14.85	-17.21	-11.06	-7.66	-12.63
Avg.	-12.61	-10.54	-8.56	-10.50	-10.46	-9.65	-12.98
Peak Value		-2.624	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.99	-11.86	-15.24	-17.64	-11.67	-8.24	-13.24
30	-12.08	-12.36	-13.90	-16.05	-15.82	-8.57	-15.89
60	-16.81	-15.90	-17.62	-22.84	-14.02	-36.53	-21.75
90	-17.97	-9.12	-4.68	-26.51	-7.55	-7.92	-15.95
120	-12.02	-8.50	-3.61	-11.30	-4.96	-17.22	-13.61
150	-10.45	-11.20	-4.42	-4.20	-8.34	-12.74	-12.05
180	-10.75	-9.70	-12.05	-4.82	-8.85	-33.91	-11.27
210	-13.98	-9.54	-10.04	-14.74	-15.97	-13.00	-13.00
240	-23.98	-7.23	-7.62	-9.62	-10.71	-4.67	-21.04
270	-19.51	-9.16	-14.60	-15.10	-18.20	-6.78	-17.16
300	-12.53	-22.55	-20.62	-19.41	-17.31	-20.03	-10.26
330	-9.92	-18.84	-22.96	-24.16	-23.42	-11.89	-9.33
360	-9.99	-11.86	-15.24	-17.64	-11.67	-8.24	-13.24
Avg.	-13.02	-10.99	-9.08	-11.04	-10.91	-10.35	-13.55
Peak Value		-3.606	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.69	-10.80	-14.25	-16.63	-10.47	-6.94	-12.19
30	-11.07	-11.66	-13.47	-15.61	-14.07	-6.64	-15.76
60	-16.67	-14.97	-15.94	-21.36	-12.23	-31.43	-20.53
90	-18.39	-8.29	-4.97	-24.39	-7.55	-6.63	-15.48
120	-11.62	-7.39	-1.56	-10.81	-4.50	-13.98	-12.36
150	-9.20	-10.05	-2.96	-3.06	-6.44	-11.08	-10.48
180	-9.13	-8.64	-10.65	-3.36	-7.26	-33.59	-10.14
210	-12.34	-8.29	-9.44	-12.17	-13.52	-13.12	-12.03
240	-23.35	-6.27	-7.44	-10.12	-10.10	-3.40	-19.03
270	-18.14	-7.99	-11.65	-12.19	-15.85	-4.14	-15.96
300	-11.24	-21.70	-20.37	-17.35	-16.60	-21.42	-9.00
330	-9.09	-18.53	-22.02	-22.72	-13.27	-11.53	-7.96
360	-8.69	-10.80	-14.25	-16.63	-10.47	-6.94	-12.19
Avg.	-11.91	-9.96	-7.93	-9.87	-9.77	-8.77	-12.36
Peak Value		-1.564	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	22.55	24.33	24.87	24.72	23.23	22.54	24.42

30	24.73	27.94	32.14	31.91	19.96	19.10	42.90
60	41.89	25.46	20.30	21.41	19.76	10.89	23.08
90	32.43	26.45	35.55	18.28	86.51	22.57	31.33
120	32.81	23.87	18.64	31.02	31.51	14.69	22.88
150	22.88	23.54	21.50	23.65	19.28	20.38	20.88
180	20.65	24.33	21.89	21.57	20.75	34.88	23.77
210	20.53	22.87	29.11	16.65	17.08	42.83	25.10
240	28.90	25.14	39.33	30.88	29.20	22.71	18.79
270	22.09	23.46	15.48	15.60	17.45	16.45	23.18
300	22.57	26.28	36.83	18.56	27.77	21.94	22.81
330	26.42	35.03	25.39	21.62	5.59	33.78	22.09
360	22.55	24.33	24.87	24.72	23.23	22.54	24.42
Avg.	32.20	27.17	32.00	26.03	75.37	32.94	32.45
Peak Value			86.509	Minimum Value			5.588

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.88	-8.93	-12.57	-14.94	-7.98	-4.91	-9.85
30	-9.08	-9.64	-10.62	-12.64	-13.30	-4.55	-13.61
60	-15.18	-12.44	-13.14	-18.07	-9.86	-29.69	-17.00
90	-15.70	-5.62	-1.91	-21.07	-5.13	-4.41	-12.36
120	-9.01	-5.16	0.29	-8.05	-1.92	-12.61	-9.86
150	-6.91	-7.57	-1.14	-0.78	-4.92	-8.74	-7.90
180	-7.23	-6.60	-8.23	-1.30	-5.40	-28.78	-7.52
210	-10.16	-6.07	-7.13	-10.24	-12.25	-10.49	-9.39
240	-19.83	-3.56	-4.65	-7.20	-8.14	-0.88	-16.32
270	-16.50	-6.39	-10.48	-9.88	-13.16	-2.72	-13.15
300	-9.07	-19.14	-19.78	-16.25	-14.69	-17.61	-6.76
330	-7.01	-14.97	-19.74	-21.37	-13.10	-9.18	-5.67
360	-6.88	-8.93	-12.57	-14.94	-7.98	-4.91	-9.85
Avg.	-9.81	-7.66	-5.73	-7.59	-7.69	-6.66	-9.88
Peak Value		0.294	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.75	-11.84	-15.55	-17.88	-10.91	-7.86	-12.79
30	-11.96	-12.65	-13.49	-15.45	-15.96	-7.38	-17.03
60	-18.00	-15.56	-15.96	-20.65	-12.57	-32.71	-20.09
90	-18.63	-8.60	-5.03	-25.45	-7.93	-7.41	-15.54
120	-12.07	-8.20	-2.59	-11.10	-4.60	-14.85	-12.67
150	-9.68	-10.60	-4.15	-3.78	-7.95	-11.28	-10.70
180	-10.06	-9.58	-11.17	-4.23	-8.09	-32.10	-10.63
210	-13.17	-9.04	-10.07	-13.63	-15.23	-13.77	-12.47
240	-23.25	-6.58	-7.62	-10.40	-11.43	-3.69	-18.90
270	-19.67	-9.36	-13.37	-12.87	-16.15	-5.32	-16.68
300	-12.12	-22.16	-22.88	-18.93	-18.01	-20.94	-9.56
330	-10.06	-17.21	-22.24	-24.26	-19.81	-12.29	-8.60
360	-9.75	-11.84	-15.55	-17.88	-10.91	-7.86	-12.79
Avg.	-12.74	-10.65	-8.70	-10.60	-10.58	-9.47	-12.84
Peak Value		-2.594	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-10.04	-12.04	-15.62	-18.02	-11.07	-7.97	-12.93
30	-12.22	-12.66	-13.77	-15.87	-16.68	-7.75	-16.25
60	-18.40	-15.35	-16.34	-21.55	-13.18	-32.70	-19.93
90	-18.79	-8.65	-4.81	-23.03	-8.36	-7.44	-15.20
120	-11.97	-8.14	-2.84	-11.01	-5.30	-16.57	-13.08
150	-10.16	-10.56	-4.15	-3.81	-7.90	-12.26	-11.13
180	-10.42	-9.64	-11.31	-4.39	-8.76	-31.50	-10.44
210	-13.18	-9.13	-10.21	-12.90	-15.29	-13.25	-12.33
240	-22.46	-6.56	-7.69	-10.02	-10.89	-4.11	-19.81

270	-19.36	-9.44	-13.61	-12.91	-16.19	-6.19	-15.70
300	-12.05	-22.15	-22.71	-19.61	-17.41	-20.31	-9.98
330	-9.98	-18.91	-23.32	-24.51	-14.14	-12.09	-8.76
360	-10.04	-12.04	-15.62	-18.02	-11.07	-7.97	-12.93
Avg.	-12.91	-10.69	-8.78	-10.61	-10.82	-9.88	-12.94
Peak Value		-2.843	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-10.66	-12.62	-16.19	-18.48	-11.64	-8.62	-13.61
30	-12.55	-13.20	-13.97	-15.99	-17.31	-8.70	-16.96
60	-18.19	-16.13	-17.03	-22.16	-13.91	-43.59	-21.07
90	-18.09	-9.19	-4.86	-24.73	-8.17	-8.32	-15.82
120	-12.13	-8.92	-3.92	-11.34	-5.23	-16.70	-13.46
150	-10.50	-11.25	-5.01	-4.48	-9.02	-12.26	-11.84
180	-11.20	-10.28	-11.92	-5.18	-9.34	-32.48	-11.39
210	-14.33	-9.84	-10.51	-14.72	-17.00	-13.83	-13.03
240	-24.02	-7.14	-7.82	-10.03	-11.57	-4.63	-19.92
270	-20.89	-10.09	-15.21	-14.55	-17.64	-7.06	-17.35
300	-13.09	-22.66	-22.97	-20.44	-18.26	-19.81	-10.39
330	-10.58	-18.20	-23.36	-24.91	-23.45	-12.63	-9.56
360	-10.66	-12.62	-16.19	-18.48	-11.64	-8.62	-13.61
Avg.	-13.48	-11.32	-9.41	-11.30	-11.37	-10.54	-13.65
Peak Value		-3.916	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.24	-11.35	-15.05	-17.49	-10.43	-7.31	-12.22
30	-11.67	-12.17	-13.32	-15.34	-15.49	-6.66	-16.31
60	-18.20	-14.87	-15.41	-20.21	-12.02	-29.88	-19.16
90	-19.43	-8.13	-4.97	-23.51	-8.11	-6.68	-14.95
120	-11.91	-7.53	-1.78	-10.79	-4.66	-14.76	-12.35
150	-9.40	-10.00	-3.42	-3.21	-7.06	-11.29	-10.14
180	-9.45	-9.03	-10.65	-3.58	-7.65	-31.20	-9.81
210	-12.27	-8.44	-9.80	-12.15	-14.02	-13.19	-11.85
240	-21.91	-6.06	-7.50	-10.40	-10.77	-3.27	-18.81
270	-18.47	-8.81	-12.26	-11.69	-15.08	-4.72	-15.23
300	-11.27	-21.70	-22.62	-18.33	-17.20	-21.61	-9.22
330	-9.52	-17.77	-22.21	-23.91	-13.52	-11.79	-7.94
360	-9.24	-11.35	-15.05	-17.49	-10.43	-7.31	-12.22
Avg.	-12.26	-10.11	-8.17	-10.00	-10.12	-8.95	-12.24
Peak Value		-1.778	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	21.80	22.72	23.66	24.89	23.17	22.43	21.98

30	25.89	24.57	28.54	28.65	19.66	18.63	28.44
60	63.12	22.76	20.60	19.05	19.33	3.63	19.23
90	22.21	24.25	43.52	23.08	49.72	20.52	26.04
120	37.90	21.93	18.24	30.08	29.67	19.07	23.97
150	23.99	22.84	20.80	22.72	18.99	25.05	20.19
180	19.97	22.90	22.78	20.72	20.29	22.64	20.85
210	18.57	21.90	27.85	16.66	15.42	28.69	23.33
240	18.34	24.13	34.48	33.41	26.76	22.11	23.90
270	17.18	22.69	15.49	15.74	16.69	17.46	18.30
300	19.59	25.18	33.81	18.37	24.28	19.69	23.41
330	24.29	32.24	23.58	24.79	5.74	26.23	20.60
360	21.80	22.72	23.66	24.89	23.17	22.43	21.98
Avg.	51.99	24.96	33.63	26.10	38.69	22.69	23.14
Peak Value			63.116	Minimum Value			3.633

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.29	-8.11	-11.92	-14.06	-7.29	-4.48	-8.87
30	-8.31	-9.37	-10.09	-11.59	-13.17	-4.02	-13.00
60	-15.06	-12.18	-11.96	-16.11	-9.09	-28.45	-16.79
90	-15.43	-4.99	-1.02	-17.56	-4.65	-3.60	-11.71
120	-8.62	-4.43	0.90	-7.72	-1.58	-12.11	-9.34
150	-6.43	-6.29	-0.72	-0.14	-4.39	-8.18	-7.12
180	-7.00	-5.89	-7.52	-0.68	-5.10	-23.51	-6.90
210	-9.69	-5.30	-6.40	-8.95	-11.70	-10.17	-8.67
240	-19.30	-2.84	-4.26	-6.73	-8.51	0.18	-15.18
270	-15.89	-6.47	-10.00	-8.90	-12.46	-2.68	-11.39
300	-8.29	-18.31	-20.31	-17.16	-15.18	-16.27	-5.90
330	-6.24	-12.54	-19.46	-20.46	-11.77	-8.89	-4.94
360	-6.29	-8.11	-11.92	-14.06	-7.29	-4.48	-8.87
Avg.	-9.27	-6.97	-5.12	-6.92	-7.28	-6.03	-9.10
Peak Value		0.903	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.14	-10.97	-14.93	-16.97	-10.27	-7.47	-11.78
30	-11.38	-12.27	-13.00	-14.39	-15.70	-6.68	-16.39
60	-18.26	-15.18	-14.92	-18.66	-11.84	-30.39	-19.45
90	-18.86	-7.99	-4.12	-21.49	-7.49	-6.34	-14.84
120	-11.85	-7.37	-1.99	-10.80	-4.18	-14.70	-12.35
150	-9.29	-9.29	-3.71	-3.12	-7.42	-10.95	-9.88
180	-9.76	-8.89	-10.56	-3.60	-7.79	-28.86	-9.83
210	-12.39	-8.23	-9.30	-12.30	-14.66	-13.30	-11.77
240	-22.30	-5.84	-7.17	-9.89	-11.75	-2.59	-18.10
270	-18.51	-9.41	-12.89	-11.99	-15.29	-5.40	-14.73
300	-11.13	-21.42	-23.11	-19.71	-18.56	-20.38	-8.80
330	-9.35	-15.02	-22.03	-23.56	-18.27	-11.97	-7.80
360	-9.14	-10.97	-14.93	-16.97	-10.27	-7.47	-11.78
Avg.	-12.21	-9.92	-8.09	-9.92	-10.16	-8.83	-12.04
Peak Value		-1.989	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.47	-11.29	-14.93	-17.18	-10.33	-7.51	-11.99
30	-11.27	-12.50	-13.19	-14.82	-16.73	-7.41	-15.66
60	-17.88	-15.20	-15.01	-19.63	-12.38	-32.89	-20.18
90	-18.06	-8.01	-3.95	-19.81	-7.84	-6.90	-14.60
120	-11.41	-7.51	-2.23	-10.65	-5.04	-15.58	-12.35
150	-9.60	-9.31	-3.75	-3.17	-7.37	-11.46	-10.40
180	-10.28	-8.92	-10.50	-3.78	-8.46	-25.01	-9.99
210	-13.02	-8.39	-9.52	-11.65	-14.77	-13.05	-11.58
240	-22.33	-5.87	-7.38	-9.60	-11.30	-3.08	-18.29

270	-19.31	-9.56	-13.14	-11.84	-15.66	-6.01	-14.10
300	-11.48	-21.22	-23.54	-20.69	-17.86	-18.39	-9.02
330	-9.15	-16.15	-22.96	-23.39	-12.86	-11.82	-8.11
360	-9.47	-11.29	-14.93	-17.18	-10.33	-7.51	-11.99
Avg.	-12.36	-10.04	-8.18	-9.94	-10.43	-9.27	-12.18
Peak Value		-2.228	Minimum Value		#####		

RHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-10.02	-11.81	-15.39	-17.62	-10.88	-8.12	-12.50
30	-11.94	-13.10	-13.40	-15.03	-17.10	-7.87	-16.96
60	-18.44	-15.97	-15.93	-20.31	-13.14	-34.26	-20.90
90	-18.04	-8.57	-3.99	-21.21	-7.69	-7.23	-15.47
120	-11.89	-8.27	-3.27	-11.01	-4.85	-15.31	-12.89
150	-9.84	-9.97	-4.60	-3.82	-8.56	-11.37	-10.87
180	-10.76	-9.66	-11.15	-4.59	-9.05	-29.87	-10.87
210	-13.74	-9.00	-9.82	-13.29	-16.72	-14.02	-12.51
240	-24.08	-6.47	-7.38	-9.50	-11.80	-3.41	-18.42
270	-20.30	-10.06	-14.65	-13.50	-16.98	-6.90	-15.57
300	-12.21	-22.00	-22.89	-21.29	-18.87	-19.25	-9.47
330	-10.02	-15.76	-22.82	-23.95	-22.20	-12.61	-8.69
360	-10.02	-11.81	-15.39	-17.62	-10.88	-8.12	-12.50
Avg.	-12.94	-10.65	-8.77	-10.64	-10.98	-9.75	-12.85
Peak Value		-3.270	Minimum Value		#####		

LHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-8.68	-10.53	-14.52	-16.59	-9.79	-6.94	-11.34
30	-10.78	-11.76	-12.81	-14.21	-15.43	-6.33	-15.22
60	-17.72	-14.53	-14.18	-18.19	-11.27	-29.77	-18.92
90	-18.89	-7.49	-4.08	-20.01	-7.64	-6.07	-14.08
120	-11.38	-6.74	-1.19	-10.46	-4.35	-14.93	-11.87
150	-9.08	-8.72	-3.01	-2.57	-6.48	-11.03	-9.50
180	-9.38	-8.25	-9.99	-2.94	-7.34	-24.66	-9.12
210	-11.85	-7.71	-9.03	-10.95	-13.34	-12.47	-10.98
240	-21.06	-5.31	-7.17	-10.00	-11.26	-2.32	-17.97
270	-17.83	-8.98	-11.83	-10.75	-14.36	-4.75	-13.49
300	-10.56	-20.73	-23.79	-19.28	-17.61	-19.30	-8.41
330	-8.59	-15.35	-22.15	-23.04	-12.18	-11.29	-7.32
360	-8.68	-10.53	-14.52	-16.59	-9.79	-6.94	-11.34
Avg.	-11.71	-9.40	-7.58	-9.32	-9.70	-8.44	-11.48
Peak Value		-1.191	Minimum Value		#####		

AR							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	22.29	22.67	25.93	24.63	24.00	23.37	23.53

30	23.53	22.26	29.41	26.60	20.36	21.04	20.00
60	27.62	21.68	19.93	18.31	19.38	11.95	18.90
90	26.23	24.13	45.42	23.17	50.28	23.59	21.95
120	30.72	21.16	18.48	29.84	30.74	33.34	24.58
150	27.13	22.89	20.80	22.85	18.48	34.14	22.06
180	22.01	21.84	23.46	20.44	20.15	10.71	19.97
210	19.30	22.61	26.75	17.45	14.33	21.02	21.12
240	15.30	23.49	38.33	30.92	30.07	24.06	31.71
270	17.01	24.18	15.88	16.08	16.48	18.18	18.47
300	20.45	22.76	25.73	18.79	22.76	52.37	24.30
330	21.71	32.63	28.34	25.67	5.67	22.40	22.12
360	22.29	22.67	25.93	24.63	24.00	23.37	23.53
Avg.	24.52	24.80	35.39	24.95	39.26	41.38	23.94
Peak Value			52.374	Minimum Value			5.669

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.41	-8.05	-12.15	-14.36	-7.00	-4.74	-8.37
30	-8.31	-9.65	-9.40	-11.49	-14.00	-3.96	-12.41
60	-15.74	-11.81	-10.57	-15.86	-8.55	-26.54	-17.05
90	-15.08	-4.58	-0.74	-16.20	-4.71	-3.14	-11.24
120	-8.24	-4.32	1.13	-7.69	-1.61	-12.70	-8.86
150	-6.21	-5.86	-0.70	-0.07	-4.32	-8.05	-6.76
180	-6.79	-5.67	-6.96	-0.57	-5.18	-22.46	-6.61
210	-9.28	-5.05	-6.46	-8.40	-11.77	-9.87	-8.04
240	-18.31	-2.42	-4.15	-6.80	-9.00	0.67	-14.26
270	-16.25	-6.95	-9.98	-8.21	-11.84	-2.93	-10.98
300	-8.40	-17.65	-22.44	-17.90	-16.67	-16.14	-5.60
330	-6.14	-11.31	-19.75	-22.41	-11.04	-9.05	-4.82
360	-6.41	-8.05	-12.15	-14.36	-7.00	-4.74	-8.37
Avg.	-9.16	-6.73	-4.92	-6.80	-7.27	-5.87	-8.74
Peak Value		1.128	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.28	-10.95	-15.11	-17.14	-9.98	-7.77	-11.28
30	-11.36	-12.52	-12.33	-14.27	-16.64	-6.77	-15.32
60	-18.78	-14.75	-13.53	-18.52	-11.31	-29.23	-19.47
90	-18.53	-7.54	-3.85	-20.14	-7.56	-6.01	-14.22
120	-11.46	-7.24	-1.85	-10.86	-4.25	-16.27	-12.00
150	-9.26	-8.84	-3.73	-3.08	-7.43	-11.30	-9.64
180	-9.66	-8.67	-10.10	-3.46	-7.88	-27.30	-9.38
210	-11.98	-8.02	-9.43	-11.85	-14.81	-12.62	-11.11
240	-20.87	-5.41	-7.08	-10.02	-12.23	-2.23	-17.61
270	-18.60	-9.90	-13.04	-11.33	-14.64	-5.81	-14.15
300	-11.18	-20.74	-25.75	-20.47	-20.20	-20.13	-8.65
330	-9.13	-13.95	-22.58	-25.64	-18.26	-11.96	-7.75
360	-9.28	-10.95	-15.11	-17.14	-9.98	-7.77	-11.28
Avg.	-12.11	-9.68	-7.94	-9.82	-10.20	-8.79	-11.71
Peak Value		-1.851	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.55	-11.18	-15.21	-17.61	-10.03	-7.74	-11.49
30	-11.28	-12.80	-12.49	-14.75	-17.41	-7.17	-15.53
60	-18.71	-14.90	-13.62	-19.25	-11.82	-29.89	-20.75
90	-17.69	-7.63	-3.65	-18.44	-7.88	-6.30	-14.29
120	-11.04	-7.42	-1.91	-10.54	-5.02	-15.22	-11.75
150	-9.19	-8.90	-3.70	-3.07	-7.24	-10.84	-9.91
180	-9.94	-8.69	-9.85	-3.71	-8.51	-24.19	-9.87
210	-12.62	-8.09	-9.52	-11.02	-14.76	-13.15	-10.98
240	-21.81	-5.45	-7.23	-9.61	-11.80	-2.47	-16.95

270	-20.04	-10.03	-12.93	-11.11	-15.07	-6.07	-13.84
300	-11.65	-20.58	-25.16	-21.40	-19.21	-18.35	-8.57
330	-9.18	-14.72	-22.94	-25.20	-11.95	-12.16	-7.92
360	-9.55	-11.18	-15.21	-17.61	-10.03	-7.74	-11.49
Avg.	-12.24	-9.80	-7.93	-9.81	-10.36	-8.97	-11.80
Peak Value		-1.914	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-10.10	-11.71	-15.67	-17.90	-10.56	-8.30	-11.97
30	-12.17	-13.44	-12.72	-14.93	-17.81	-7.36	-17.02
60	-19.79	-15.52	-14.62	-20.05	-12.55	-28.55	-20.65
90	-18.29	-8.16	-3.66	-19.65	-7.74	-6.41	-15.23
120	-11.73	-8.08	-3.00	-10.96	-4.80	-15.97	-12.55
150	-9.58	-9.45	-4.52	-3.75	-8.47	-11.22	-10.38
180	-10.30	-9.45	-10.65	-4.49	-9.11	-32.89	-10.43
210	-12.87	-8.63	-9.87	-12.67	-16.81	-13.85	-11.92
240	-22.78	-6.00	-7.14	-9.58	-12.15	-2.77	-17.39
270	-19.76	-10.49	-14.52	-12.68	-16.26	-7.26	-14.97
300	-12.05	-21.54	-24.75	-21.88	-20.29	-20.25	-9.18
330	-10.01	-14.83	-22.71	-26.45	-20.25	-12.91	-8.40
360	-10.10	-11.71	-15.67	-17.90	-10.56	-8.30	-11.97
Avg.	-12.79	-10.37	-8.52	-10.52	-10.93	-9.44	-12.45
Peak Value		-2.775	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.82	-10.50	-14.70	-16.90	-9.52	-7.27	-10.86
30	-10.60	-12.00	-12.12	-14.12	-16.33	-6.60	-14.26
60	-17.91	-14.23	-12.73	-17.94	-10.75	-30.85	-19.55
90	-17.90	-7.08	-3.84	-18.80	-7.70	-5.91	-13.45
120	-10.81	-6.69	-1.00	-10.44	-4.45	-15.47	-11.29
150	-8.90	-8.35	-3.03	-2.49	-6.44	-10.91	-9.24
180	-9.35	-8.02	-9.39	-2.83	-7.43	-22.87	-8.93
210	-11.77	-7.55	-9.11	-10.44	-13.41	-12.09	-10.32
240	-20.22	-4.93	-7.17	-10.05	-11.87	-1.95	-17.15
270	-18.81	-9.50	-11.85	-10.13	-13.78	-4.93	-13.20
300	-10.85	-19.93	-26.28	-20.12	-19.14	-18.28	-8.10
330	-8.44	-13.86	-22.80	-24.58	-11.60	-11.35	-7.34
360	-8.82	-10.50	-14.70	-16.90	-9.52	-7.27	-10.86
Avg.	-11.63	-9.19	-7.42	-9.20	-9.71	-8.38	-11.15
Peak Value		-0.997	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	22.66	23.12	25.11	24.86	24.46	24.48	23.91

30	20.91	21.70	29.29	26.64	21.39	27.22	16.07
60	19.34	22.60	19.32	18.37	19.73	17.63	24.03
90	33.04	24.11	39.90	26.20	52.12	30.87	19.82
120	25.50	21.93	18.82	30.44	33.80	30.79	22.76
150	28.17	24.02	21.34	22.82	18.69	35.00	23.62
180	25.26	21.71	22.84	20.43	20.30	5.68	21.35
210	24.01	24.15	27.23	17.90	14.26	19.92	20.77
240	16.72	24.21	57.39	31.42	36.02	26.52	37.24
270	25.30	24.90	16.34	16.72	16.97	17.48	19.82
300	23.22	20.68	21.14	19.90	23.64	18.94	24.11
330	20.92	25.02	45.96	19.41	6.74	21.00	24.28
360	22.66	23.12	25.11	24.86	24.46	24.48	23.91
Avg.	25.61	23.04	46.64	25.24	41.18	27.47	27.45
Peak Value			57.390	Minimum Value			5.676

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.44	-7.85	-12.08	-14.22	-6.98	-5.30	-8.10
30	-8.26	-10.12	-9.35	-11.50	-13.50	-4.31	-11.73
60	-16.11	-12.42	-9.97	-15.20	-8.57	-25.41	-18.44
90	-15.47	-4.82	-1.70	-14.79	-4.89	-3.78	-11.76
120	-8.39	-4.44	1.18	-8.31	-2.15	-13.59	-9.28
150	-6.75	-5.63	-1.06	-0.63	-4.35	-8.67	-6.85
180	-6.95	-5.49	-7.00	-0.63	-5.80	-16.80	-6.87
210	-9.36	-4.89	-6.58	-7.95	-11.89	-9.87	-8.18
240	-16.72	-2.67	-4.15	-5.87	-7.06	0.79	-12.92
270	-15.47	-7.50	-9.84	-8.26	-12.59	-2.38	-10.55
300	-8.35	-17.90	-21.88	-16.96	-18.99	-15.49	-5.35
330	-6.26	-11.98	-19.76	-23.67	-10.41	-9.41	-4.89
360	-6.44	-7.85	-12.08	-14.22	-6.98	-5.30	-8.10
Avg.	-9.28	-6.85	-5.15	-6.92	-7.39	-5.94	-8.73
Peak Value		1.179	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.28	-10.63	-14.87	-16.87	-9.92	-8.26	-10.87
30	-11.08	-12.83	-12.22	-14.29	-16.34	-7.40	-14.15
60	-18.52	-15.22	-12.81	-17.96	-11.27	-30.07	-21.15
90	-18.34	-7.63	-3.85	-18.33	-7.61	-6.06	-14.41
120	-11.34	-7.27	-1.72	-11.39	-4.71	-17.72	-12.24
150	-10.01	-8.42	-4.02	-4.05	-7.33	-12.08	-9.77
180	-9.96	-8.33	-10.06	-3.38	-8.47	-23.79	-9.61
210	-12.16	-7.79	-9.43	-11.27	-14.89	-12.22	-11.03
240	-21.09	-5.54	-6.70	-7.77	-8.33	-2.13	-15.34
270	-18.15	-10.38	-12.79	-11.27	-15.20	-6.47	-13.60
300	-11.15	-20.76	-25.23	-22.94	-22.85	-18.49	-8.36
330	-9.22	-17.27	-22.51	-26.63	-17.22	-11.99	-7.82
360	-9.28	-10.63	-14.87	-16.87	-9.92	-8.26	-10.87
Avg.	-12.22	-9.73	-7.89	-9.88	-10.09	-9.00	-11.59
Peak Value		-1.720	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.63	-11.11	-15.31	-17.61	-10.06	-8.36	-11.37
30	-11.48	-13.45	-12.49	-14.74	-16.69	-7.25	-15.43
60	-19.82	-15.66	-13.16	-18.47	-11.91	-27.23	-21.77
90	-18.63	-8.03	-5.79	-17.34	-8.20	-7.67	-15.16
120	-11.46	-7.63	-1.94	-11.25	-5.67	-15.72	-12.34
150	-9.53	-8.87	-4.12	-3.27	-7.40	-11.31	-9.95
180	-9.97	-8.67	-9.97	-3.91	-9.17	-17.77	-10.16
210	-12.60	-8.01	-9.75	-10.68	-14.91	-13.67	-11.36
240	-18.70	-5.81	-7.68	-10.40	-13.02	-2.30	-16.61

270	-18.84	-10.65	-12.91	-11.26	-16.04	-4.52	-13.53
300	-11.59	-21.07	-24.57	-18.22	-21.28	-18.52	-8.36
330	-9.32	-13.50	-23.05	-26.74	-11.42	-12.88	-7.98
360	-9.63	-11.11	-15.31	-17.61	-10.06	-8.36	-11.37
Avg.	-12.36	-9.99	-8.44	-9.98	-10.74	-8.90	-11.90
Peak Value		-1.945	Minimum Value		#####		

RHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-10.14	-11.45	-15.52	-17.88	-10.65	-8.81	-11.65
30	-12.19	-13.73	-15.12	-16.54	-17.13	-7.72	-15.88
60	-20.25	-15.99	-14.07	-19.40	-12.60	-27.23	-21.71
90	-19.07	-8.34	-11.78	-18.31	-7.94	-8.40	-15.55
120	-12.11	-8.13	-2.99	-11.56	-5.31	-17.97	-13.13
150	-10.71	-10.31	-4.86	-4.07	-8.46	-12.28	-10.43
180	-10.40	-9.22	-10.80	-4.50	-9.83	-17.70	-10.47
210	-12.72	-8.49	-9.93	-12.12	-16.98	-13.60	-12.02
240	-21.20	-6.20	-16.32	-18.58	-15.09	-2.67	-17.62
270	-18.48	-11.02	-14.44	-12.79	-16.88	-4.31	-14.35
300	-11.80	-21.87	-24.36	-18.12	-22.29	-20.13	-9.06
330	-9.99	-16.61	-23.02	-27.85	-19.29	-13.02	-8.46
360	-10.14	-11.45	-15.52	-17.88	-10.65	-8.81	-11.65
Avg.	-12.95	-10.56	-10.18	-11.03	-11.36	-9.23	-12.44
Peak Value		-2.675	Minimum Value		#####		

LHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-8.86	-10.35	-14.70	-16.66	-9.42	-7.86	-10.64
30	-10.52	-12.60	-10.68	-13.13	-15.97	-6.96	-13.84
60	-18.22	-14.94	-12.11	-17.28	-10.75	-30.08	-21.21
90	-17.96	-7.37	-2.15	-17.35	-7.85	-5.62	-14.11
120	-10.79	-6.86	-0.92	-11.09	-5.02	-15.56	-11.58
150	-8.98	-7.43	-3.40	-3.25	-6.49	-11.15	-9.36
180	-9.57	-7.88	-9.35	-2.92	-7.98	-24.07	-9.36
210	-12.05	-7.38	-9.27	-10.05	-13.50	-12.27	-10.50
240	-18.64	-5.21	-4.42	-6.11	-7.80	-1.80	-14.71
270	-18.48	-10.06	-11.69	-10.14	-14.61	-6.82	-12.90
300	-10.97	-20.12	-25.48	-23.24	-21.72	-17.33	-7.76
330	-8.65	-13.81	-22.53	-25.76	-11.01	-11.88	-7.40
360	-8.86	-10.35	-14.70	-16.66	-9.42	-7.86	-10.64
Avg.	-11.71	-9.25	-6.78	-9.05	-9.63	-8.69	-11.14
Peak Value		-0.920	Minimum Value		#####		

AR							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	22.68	23.97	26.51	23.03	23.04	25.29	24.70

30	20.39	23.73	12.03	14.25	23.54	27.21	18.66
60	18.71	24.41	19.00	18.30	19.51	15.76	30.82
90	23.89	25.03	5.95	25.22	46.51	15.97	21.64
120	22.44	22.75	18.54	31.41	35.60	17.22	21.06
150	20.06	15.70	21.55	26.47	18.93	23.69	24.18
180	26.45	22.24	21.60	20.82	19.47	9.09	23.86
210	28.26	23.94	28.43	18.53	14.07	22.35	21.17
240	16.72	24.97	4.51	4.22	8.03	25.98	15.59
270	71.52	25.15	16.08	16.38	17.73	16.85	21.58
300	26.46	19.96	23.80	10.86	29.70	15.93	22.52
330	22.28	15.93	31.01	18.43	7.06	23.69	24.30
360	22.68	23.97	26.51	23.03	23.04	25.29	24.70
Avg.	60.38	22.84	23.84	23.29	35.86	22.14	23.79
Peak Value			71.520	Minimum Value			4.217

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.61	-7.91	-12.23	-14.77	-7.25	-5.90	-7.90
30	-8.51	-10.56	-9.14	-11.77	-12.90	-4.49	-10.57
60	-15.35	-12.60	-10.36	-15.98	-10.66	-16.69	-19.78
90	-15.31	-5.00	-1.80	-14.46	-5.20	-3.85	-12.11
120	-8.07	-4.73	1.11	-9.10	-0.57	-14.63	-9.61
150	-7.03	-5.76	-0.76	-0.72	-3.40	-8.61	-7.25
180	-6.58	-5.50	-7.71	-0.77	-6.22	-17.05	-6.80
210	-9.07	-4.86	-6.76	-10.29	-10.93	-9.48	-8.22
240	-14.67	-3.07	-4.37	-6.08	-7.72	0.02	-12.51
270	-15.46	-7.76	-9.49	-8.18	-12.62	-2.67	-11.67
300	-8.94	-16.96	-22.08	-18.08	-23.17	-15.55	-5.34
330	-6.41	-11.37	-20.96	-22.00	-10.25	-11.36	-4.82
360	-6.61	-7.91	-12.23	-14.77	-7.25	-5.90	-7.90
Avg.	-9.28	-7.02	-5.19	-7.19	-6.98	-6.37	-8.77
Peak Value		1.109	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.43	-10.71	-15.06	-17.38	-10.05	-8.86	-10.70
30	-11.03	-13.32	-11.97	-14.52	-16.21	-7.71	-13.79
60	-17.44	-15.45	-14.21	-19.59	-17.94	-17.51	-24.70
90	-17.87	-7.86	-3.94	-18.15	-7.95	-6.29	-14.46
120	-10.81	-7.57	-1.77	-11.24	-5.19	-17.71	-12.44
150	-9.95	-8.69	-3.18	-4.03	-5.59	-11.44	-10.78
180	-9.72	-8.30	-9.78	-3.52	-8.87	-23.89	-9.78
210	-12.30	-7.83	-9.62	-10.90	-15.38	-11.91	-10.99
240	-17.59	-6.03	-6.96	-7.86	-9.03	-3.87	-14.76
270	-18.57	-10.73	-12.78	-11.20	-15.79	-6.78	-13.85
300	-11.48	-21.34	-25.63	-24.13	-27.89	-17.85	-8.35
330	-9.40	-16.25	-26.37	-23.06	-16.89	-15.96	-7.74
360	-9.43	-10.71	-15.06	-17.38	-10.05	-8.86	-10.70
Avg.	-12.14	-9.96	-7.80	-9.92	-10.31	-9.77	-11.69
Peak Value		-1.773	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.83	-11.15	-15.43	-18.22	-10.49	-8.96	-11.14
30	-12.07	-13.83	-12.33	-15.05	-15.63	-7.30	-13.38
60	-19.52	-15.78	-12.67	-18.46	-11.56	-24.35	-21.47
90	-18.82	-8.17	-5.90	-16.88	-8.48	-7.51	-15.89
120	-11.37	-7.92	-2.03	-13.19	-2.40	-17.58	-12.80
150	-10.13	-8.85	-4.46	-3.45	-7.43	-11.82	-9.80
180	-9.47	-8.74	-11.91	-4.06	-9.62	-18.05	-9.84
210	-11.87	-7.91	-9.94	-19.11	-12.87	-13.17	-11.49
240	-17.78	-6.13	-7.84	-10.82	-13.56	-2.26	-16.44

270	-18.36	-10.81	-12.24	-11.19	-15.49	-4.80	-15.72
300	-12.48	-18.93	-24.61	-19.31	-24.96	-19.40	-8.36
330	-9.44	-13.07	-22.43	-28.65	-11.32	-13.21	-7.93
360	-9.83	-11.15	-15.43	-18.22	-10.49	-8.96	-11.14
Avg.	-12.45	-10.09	-8.63	-10.50	-9.70	-9.03	-11.88
Peak Value		-2.033	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-10.41	-11.61	-15.89	-18.61	-11.06	-9.55	-11.58
30	-12.35	-14.11	-14.79	-17.03	-17.27	-8.23	-13.89
60	-19.08	-16.06	-11.91	-19.04	-12.05	-19.72	-29.75
90	-18.59	-8.58	-12.23	-17.95	-8.21	-9.02	-16.19
120	-11.71	-8.38	-3.17	-18.35	-8.95	-20.77	-13.49
150	-10.84	-9.50	-2.94	-4.22	-5.18	-15.71	-11.10
180	-10.34	-9.26	-11.84	-4.73	-10.34	-17.65	-10.47
210	-12.52	-8.59	-10.24	-11.49	-11.43	-12.80	-11.96
240	-18.14	-6.69	-17.11	-18.41	-16.73	-7.88	-17.41
270	-18.58	-11.33	-9.70	-12.65	-13.25	-4.68	-14.17
300	-12.71	-17.89	-24.84	-19.15	-27.13	-20.04	-9.19
330	-9.95	-15.85	-28.71	-23.93	-18.61	-16.52	-9.36
360	-10.41	-11.61	-15.89	-18.61	-11.06	-9.55	-11.58
Avg.	-12.96	-10.66	-9.48	-11.37	-11.18	-10.98	-12.66
Peak Value		-2.937	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.96	-10.33	-14.68	-17.08	-9.59	-8.35	-10.34
30	-10.82	-13.09	-10.51	-13.30	-14.88	-6.88	-13.28
60	-17.74	-15.21	-15.59	-18.93	-16.26	-19.69	-20.24
90	-18.07	-7.51	-2.21	-17.04	-8.20	-5.42	-14.26
120	-10.53	-7.18	-0.92	-9.64	-1.25	-15.85	-11.89
150	-9.36	-8.15	-4.81	-3.28	-8.14	-9.56	-9.56
180	-8.96	-7.88	-9.83	-3.00	-8.35	-25.93	-9.24
210	-11.68	-7.25	-9.36	-16.47	-20.57	-12.20	-10.61
240	-17.27	-5.54	-4.60	-6.34	-8.31	-0.75	-14.20
270	-18.35	-10.27	-22.79	-10.11	-21.36	-6.98	-15.26
300	-11.31	-24.10	-25.35	-24.68	-25.40	-17.46	-7.65
330	-8.94	-13.29	-21.75	-26.47	-10.94	-12.94	-6.71
360	-8.96	-10.33	-14.68	-17.08	-9.59	-8.35	-10.34
Avg.	-11.71	-9.47	-7.21	-9.27	-9.06	-8.22	-11.05
Peak Value		-0.746	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	21.60	22.66	23.13	21.09	21.45	23.24	22.96

30	21.13	24.58	12.34	13.50	17.26	22.20	29.05
60	22.24	26.26	13.63	43.87	12.49	56.45	6.04
90	30.44	24.21	5.68	25.65	67.81	13.80	19.12
120	23.39	23.21	17.82	6.69	7.61	11.19	20.72
150	21.46	22.20	19.39	25.31	15.44	9.37	21.05
180	22.01	22.01	18.76	20.08	18.85	7.06	23.02
210	26.35	22.29	25.94	11.09	6.33	29.29	22.26
240	26.05	23.63	4.19	4.42	6.93	8.20	14.79
270	37.44	24.32	3.91	16.76	7.22	17.61	23.99
300	21.91	9.30	30.63	10.22	20.11	16.63	21.10
330	24.71	16.70	8.39	16.77	7.65	13.85	16.41
360	21.60	22.66	23.13	21.09	21.45	23.24	22.96
Avg.	28.35	22.69	21.94	32.92	56.67	45.33	22.19
Peak Value			67.807	Minimum Value			3.911

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.41	-7.58	-11.84	-14.75	-7.18	-6.38	-7.50
30	-8.30	-10.80	-9.40	-11.57	-12.04	-4.79	-10.12
60	-15.08	-13.05	-10.29	-15.01	-10.88	-16.58	-20.57
90	-15.50	-5.30	-1.91	-13.49	-5.34	-3.83	-12.58
120	-8.13	-4.77	1.16	-9.28	-0.94	-15.53	-10.55
150	-7.02	-5.48	-1.19	-0.62	-3.48	-9.10	-7.45
180	-6.40	-5.16	-7.93	-0.97	-7.05	-17.33	-7.12
210	-9.21	-4.59	-6.47	-9.56	-11.14	-9.04	-8.63
240	-14.88	-3.15	-4.70	-6.75	-8.58	0.18	-12.59
270	-14.24	-7.83	-9.45	-8.43	-13.16	-3.00	-11.08
300	-8.30	-16.74	-19.99	-19.37	-24.44	-14.42	-5.25
330	-6.21	-10.54	-20.30	-22.47	-9.78	-12.33	-4.69
360	-6.41	-7.58	-11.84	-14.75	-7.18	-6.38	-7.50
Avg.	-9.11	-6.94	-5.29	-7.25	-7.24	-6.47	-8.81
Peak Value		1.157	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.27	-10.46	-14.72	-17.38	-10.00	-9.34	-10.36
30	-10.90	-13.70	-12.22	-14.33	-15.28	-7.83	-13.75
60	-17.52	-16.01	-14.44	-18.35	-17.57	-17.13	-24.84
90	-17.94	-8.15	-4.12	-16.89	-8.13	-6.26	-15.34
120	-10.84	-7.75	-1.71	-11.56	-5.56	-17.45	-13.20
150	-9.79	-8.44	-3.55	-3.79	-5.63	-11.66	-10.86
180	-9.41	-8.01	-9.92	-3.72	-9.66	-24.47	-10.12
210	-12.47	-7.55	-9.32	-10.20	-15.53	-11.75	-11.44
240	-18.04	-6.14	-7.20	-8.41	-9.96	-3.47	-14.57
270	-17.75	-10.75	-12.35	-11.42	-16.88	-7.21	-13.35
300	-10.89	-21.81	-23.46	-26.01	-28.40	-16.71	-8.11
330	-9.37	-15.11	-26.45	-23.04	-15.58	-17.89	-7.55
360	-9.27	-10.46	-14.72	-17.38	-10.00	-9.34	-10.36
Avg.	-11.99	-9.93	-7.90	-9.93	-10.58	-9.77	-11.71
Peak Value		-1.709	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.58	-10.72	-14.99	-18.17	-10.38	-9.44	-10.67
30	-11.76	-13.93	-12.61	-14.85	-14.83	-7.77	-12.59
60	-18.74	-16.12	-12.40	-17.71	-11.93	-25.84	-22.61
90	-19.17	-8.47	-5.90	-16.15	-8.59	-7.52	-15.87
120	-11.46	-7.81	-2.00	-13.17	-2.77	-20.01	-13.94
150	-10.29	-8.54	-4.96	-3.48	-7.56	-12.62	-10.10
180	-9.41	-8.33	-12.27	-4.25	-10.50	-18.26	-10.14
210	-11.99	-7.66	-9.64	-18.19	-13.11	-12.38	-11.85
240	-17.74	-6.18	-8.28	-11.75	-14.24	-2.27	-16.95

270	-16.81	-10.94	-12.58	-11.47	-15.56	-5.08	-14.99
300	-11.77	-18.35	-22.59	-20.44	-26.67	-18.29	-8.41
330	-9.07	-12.41	-21.50	-31.52	-11.10	-13.75	-7.87
360	-9.58	-10.72	-14.99	-18.17	-10.38	-9.44	-10.67
Avg.	-12.26	-9.97	-8.74	-10.63	-9.95	-9.21	-11.94
Peak Value		-2.002	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-10.21	-11.33	-15.59	-18.76	-11.05	-10.11	-11.28
30	-11.73	-14.27	-15.27	-16.87	-16.56	-8.93	-13.34
60	-18.13	-16.69	-11.76	-18.23	-12.06	-20.03	-33.87
90	-18.40	-8.88	-12.60	-17.12	-8.36	-9.33	-16.57
120	-11.61	-8.54	-3.15	-18.58	-9.68	-20.89	-14.37
150	-10.77	-9.24	-3.46	-4.11	-5.27	-15.67	-11.26
180	-10.30	-8.84	-11.99	-4.88	-11.33	-17.83	-11.00
210	-13.00	-8.42	-9.95	-10.99	-11.54	-12.30	-12.27
240	-18.56	-6.83	-17.48	-18.91	-18.65	-7.78	-17.61
270	-17.96	-11.48	-9.65	-13.04	-13.65	-4.89	-13.95
300	-12.49	-17.97	-23.23	-20.42	-29.98	-17.84	-9.13
330	-9.74	-14.79	-26.70	-24.36	-18.07	-17.55	-9.29
360	-10.21	-11.33	-15.59	-18.76	-11.05	-10.11	-11.28
Avg.	-12.81	-10.63	-9.64	-11.36	-11.45	-11.19	-12.74
Peak Value		-3.151	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.76	-9.96	-14.21	-16.94	-9.47	-8.78	-9.86
30	-10.92	-13.40	-10.70	-13.09	-13.93	-6.90	-12.93
60	-18.05	-15.52	-15.72	-17.82	-17.12	-19.19	-20.78
90	-18.63	-7.81	-2.29	-15.97	-8.34	-5.27	-14.80
120	-10.71	-7.13	-0.86	-9.82	-1.56	-17.03	-12.87
150	-9.40	-7.85	-5.09	-3.20	-8.20	-10.18	-9.79
180	-8.67	-7.58	-10.09	-3.23	-9.08	-26.98	-9.41
210	-11.56	-6.91	-9.05	-15.08	-21.69	-11.82	-11.09
240	-17.30	-5.59	-4.93	-7.03	-9.03	-0.57	-14.23
270	-16.64	-10.29	-22.99	-10.28	-22.85	-7.53	-14.23
300	-10.38	-22.81	-22.78	-26.08	-25.86	-17.06	-7.53
330	-8.75	-12.59	-21.43	-26.98	-10.47	-13.89	-6.55
360	-8.76	-9.96	-14.21	-16.94	-9.47	-8.78	-9.86
Avg.	-11.53	-9.36	-7.28	-9.39	-9.32	-8.26	-11.06
Peak Value		-0.574	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	21.61	22.08	22.02	19.64	20.86	22.36	21.76

30	26.63	26.04	11.79	13.37	16.47	18.70	32.51
60	47.17	23.44	13.00	32.65	10.96	26.32	3.92
90	37.40	24.28	5.48	23.58	58.86	12.78	19.89
120	25.79	21.84	17.63	6.65	7.21	13.21	21.34
150	22.12	21.93	20.55	25.62	15.52	10.29	21.49
180	20.58	22.78	19.29	20.49	17.77	6.32	20.83
210	21.65	21.24	25.65	12.73	5.58	31.04	23.41
240	22.80	22.94	4.18	4.52	5.96	8.13	14.31
270	22.41	23.32	3.80	16.03	6.28	16.44	35.96
300	18.37	11.31	31.77	10.04	12.65	27.00	20.71
330	24.93	18.00	10.62	16.48	7.71	13.66	16.10
360	21.61	22.08	22.02	19.64	20.86	22.36	21.76
Avg.	36.62	22.23	22.56	23.30	47.73	22.97	27.17
Peak Value			58.864	Minimum Value			3.798

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-6.59	-7.72	-11.91	-15.38	-7.41	-6.86	-7.62
30	-7.58	-10.36	-9.67	-12.28	-11.91	-4.86	-9.63
60	-15.58	-12.89	-9.88	-15.29	-15.26	-15.50	-21.99
90	-17.12	-6.34	-3.17	-20.93	-4.29	-4.80	-13.28
120	-8.41	-5.02	0.55	-9.20	0.20	-11.34	-10.59
150	-6.85	-5.55	-0.99	-1.15	-3.04	-9.20	-8.11
180	-5.81	-5.17	-9.26	-0.90	-4.14	-15.98	-7.26
210	-8.33	-5.17	-6.43	-8.96	-11.94	-15.88	-7.47
240	-14.37	-3.32	-4.82	-5.69	-7.32	0.02	-11.60
270	-17.77	-6.84	-9.68	-8.55	-12.62	-2.00	-11.08
300	-8.16	-17.18	-18.26	-17.17	-12.26	-14.25	-6.34
330	-6.58	-12.35	-20.58	-21.83	-10.81	-13.17	-5.01
360	-6.59	-7.72	-11.91	-15.38	-7.41	-6.86	-7.62
Avg.	-9.03	-7.17	-5.71	-7.36	-6.33	-6.58	-8.99
Peak Value		0.547	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.57	-10.68	-14.80	-18.22	-10.28	-9.88	-10.59
30	-10.59	-13.38	-12.75	-15.27	-14.81	-7.54	-12.90
60	-18.42	-15.87	-14.09	-18.53	-17.95	-15.86	-24.28
90	-20.37	-9.41	-6.41	-22.71	-7.23	-7.77	-16.63
120	-10.86	-7.97	-2.75	-11.78	-2.63	-13.77	-13.49
150	-9.67	-8.55	-4.00	-4.00	-6.05	-11.95	-10.89
180	-8.63	-8.18	-12.11	-4.04	-6.98	-18.82	-10.32
210	-10.63	-8.09	-9.19	-9.69	-15.95	-19.36	-10.57
240	-17.54	-6.36	-7.78	-8.85	-10.49	-3.49	-14.51
270	-20.95	-9.76	-12.32	-11.56	-15.60	-4.75	-13.30
300	-10.62	-23.16	-21.01	-19.95	-15.53	-17.86	-9.26
330	-9.63	-14.81	-26.60	-25.29	-15.13	-19.29	-7.88
360	-9.57	-10.68	-14.80	-18.22	-10.28	-9.88	-10.59
Avg.	-11.82	-10.16	-8.83	-10.19	-9.30	-9.64	-11.93
Peak Value		-2.627	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.63	-10.78	-15.05	-18.56	-10.57	-9.87	-10.68
30	-10.59	-13.37	-12.61	-15.32	-15.03	-8.23	-12.40
60	-18.78	-15.93	-11.95	-18.09	-18.61	-26.48	-25.85
90	-19.90	-9.29	-5.96	-25.68	-7.37	-7.85	-15.97
120	-12.07	-8.08	-2.19	-12.69	-3.00	-15.02	-13.71
150	-10.06	-8.58	-4.01	-4.32	-6.06	-12.48	-11.36
180	-9.01	-8.17	-12.43	-3.79	-7.32	-19.17	-10.22
210	-12.18	-8.27	-9.70	-17.08	-14.14	-18.48	-10.39
240	-17.23	-6.31	-7.89	-8.56	-10.18	-2.54	-14.71

270	-20.61	-9.94	-13.08	-11.56	-15.65	-5.29	-15.06
300	-11.80	-18.44	-21.56	-20.42	-15.02	-16.73	-9.43
330	-9.55	-15.98	-21.83	-24.44	-12.81	-14.38	-8.16
360	-9.63	-10.78	-15.05	-18.56	-10.57	-9.87	-10.68
Avg.	-12.27	-10.19	-8.60	-10.56	-9.39	-9.54	-12.08
Peak Value		-2.195	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-10.35	-11.40	-15.57	-19.23	-11.26	-10.55	-11.35
30	-11.01	-13.90	-12.96	-16.02	-15.46	-8.78	-13.41
60	-18.54	-16.63	-11.30	-18.38	-19.69	-18.45	-25.36
90	-19.56	-9.92	-5.96	-24.93	-7.41	-8.51	-17.03
120	-11.87	-7.60	-0.38	-18.07	-3.22	-15.53	-14.10
150	-10.35	-9.27	-4.90	-4.82	-7.04	-14.83	-11.91
180	-9.60	-8.83	-12.72	-4.63	-8.02	-21.04	-11.22
210	-12.09	-8.88	-7.29	-10.52	-12.10	-19.85	-11.16
240	-18.38	-6.96	-7.88	-8.57	-10.56	-7.52	-15.10
270	-22.34	-10.37	-9.84	-48.39	-17.09	-6.13	-14.09
300	-12.51	-18.56	-20.93	-21.86	-15.94	-17.17	-9.90
330	-10.27	-15.63	-26.53	-25.26	-16.77	-19.00	-9.48
360	-10.35	-11.40	-15.57	-19.23	-11.26	-10.55	-11.35
Avg.	-12.71	-10.63	-7.79	-11.22	-9.86	-11.56	-12.80
Peak Value		-0.384	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.97	-10.16	-14.36	-17.68	-9.72	-9.29	-10.02
30	-10.21	-12.91	-12.42	-14.67	-14.43	-7.13	-11.98
60	-18.65	-15.28	-15.42	-18.22	-17.19	-18.57	-24.66
90	-20.78	-8.84	-6.42	-23.15	-7.20	-7.21	-15.65
120	-11.01	-8.50	-6.60	-9.80	-2.43	-13.42	-13.14
150	-9.42	-7.95	-3.26	-3.59	-5.25	-10.58	-10.45
180	-8.15	-7.61	-11.86	-3.30	-6.42	-17.60	-9.49
210	-10.70	-7.57	-13.88	-14.17	-26.31	-18.11	-9.89
240	-16.56	-5.78	-7.79	-8.84	-10.11	-0.82	-14.17
270	-19.63	-9.38	-24.05	-8.55	-14.53	-4.11	-14.08
300	-10.15	-22.83	-21.65	-18.97	-14.68	-17.34	-8.86
330	-9.00	-15.10	-21.85	-24.46	-12.08	-14.48	-6.93
360	-8.97	-10.16	-14.36	-17.68	-9.72	-9.29	-10.02
Avg.	-11.45	-9.76	-9.90	-9.66	-8.88	-8.24	-11.33
Peak Value		-0.819	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	22.02	22.96	23.13	21.00	21.05	22.79	22.36

30	26.70	24.84	30.29	22.22	24.51	20.46	21.73
60	43.89	22.21	12.67	40.95	16.91	42.67	27.93
90	23.12	24.15	31.53	19.82	38.34	22.51	22.01
120	26.04	25.68	9.29	7.07	26.88	18.34	25.19
150	25.47	22.44	20.55	23.03	19.78	12.41	21.54
180	21.61	23.08	26.05	22.34	20.73	14.17	20.05
210	21.97	22.51	8.82	13.66	3.43	20.03	22.77
240	19.64	23.35	46.44	35.98	31.79	8.69	25.44
270	16.20	24.93	3.42	0.18	16.70	18.73	63.45
300	17.40	12.36	27.73	15.68	22.85	40.44	24.48
330	22.79	30.31	11.60	26.80	11.58	11.88	16.74
360	22.02	22.96	23.13	21.00	21.05	22.79	22.36
Avg.	33.14	24.27	35.66	31.34	28.75	33.68	52.32
Peak Value			63.455	Minimum Value			0.177

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-5.94	-6.74	-10.99	-14.76	-6.83	-6.52	-6.94
30	-6.88	-9.46	-9.13	-11.98	-11.11	-4.70	-8.79
60	-14.70	-12.48	-10.22	-14.84	-15.54	-12.50	-21.12
90	-16.28	-5.84	-2.56	-22.49	-3.65	-4.12	-13.15
120	-8.50	-4.37	0.72	-9.68	0.52	-11.47	-10.28
150	-6.39	-4.66	-0.69	-0.45	-2.71	-8.99	-7.71
180	-5.30	-4.54	-8.94	-0.32	-4.17	-16.01	-6.79
210	-7.39	-4.55	-6.22	-12.25	-10.81	-14.50	-6.93
240	-14.46	-2.87	-4.57	-5.81	-7.49	0.01	-11.22
270	-15.76	-6.60	-9.28	-8.11	-11.99	-1.88	-11.59
300	-7.72	-14.32	-17.13	-16.75	-12.54	-13.62	-5.77
330	-5.64	-10.82	-24.42	-22.94	-9.61	-16.36	-4.66
360	-5.94	-6.74	-10.99	-14.76	-6.83	-6.52	-6.94
Avg.	-8.42	-6.50	-5.41	-7.03	-5.98	-6.40	-8.54
Peak Value		0.720	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.65	-9.54	-13.77	-17.49	-9.65	-9.42	-9.79
30	-9.88	-12.32	-12.09	-14.98	-13.92	-7.31	-11.74
60	-17.76	-15.29	-13.05	-17.59	-18.27	-14.88	-23.93
90	-19.66	-8.78	-5.66	-24.08	-6.53	-6.95	-16.16
120	-11.69	-7.20	-2.09	-12.77	-2.19	-14.15	-13.25
150	-9.23	-7.54	-3.60	-3.23	-5.65	-12.04	-10.42
180	-8.04	-7.44	-11.87	-3.31	-6.93	-17.93	-9.61
210	-10.05	-7.41	-9.11	-15.70	-13.20	-17.20	-9.92
240	-17.13	-5.74	-7.48	-8.88	-10.53	-2.73	-14.26
270	-18.22	-9.39	-12.09	-11.04	-14.82	-4.61	-14.64
300	-10.49	-17.20	-19.87	-19.39	-15.64	-17.29	-8.69
330	-8.56	-13.37	-26.79	-26.55	-13.59	-19.15	-7.41
360	-8.65	-9.54	-13.77	-17.49	-9.65	-9.42	-9.79
Avg.	-11.26	-9.36	-8.31	-9.95	-8.82	-9.15	-11.42
Peak Value		-2.089	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.27	-9.97	-14.25	-18.08	-10.04	-9.65	-10.12
30	-9.90	-12.62	-12.18	-15.01	-14.34	-8.14	-11.85
60	-17.66	-15.70	-13.42	-18.13	-18.85	-16.24	-24.35
90	-18.96	-8.93	-5.49	-27.63	-6.79	-7.32	-16.17
120	-11.34	-7.57	-2.50	-12.62	-2.80	-14.84	-13.32
150	-9.58	-7.80	-3.80	-3.70	-5.79	-11.97	-11.04
180	-8.60	-7.67	-12.04	-3.35	-7.44	-20.49	-10.00
210	-10.77	-7.71	-9.36	-14.87	-14.54	-17.84	-9.96
240	-17.85	-6.02	-7.69	-8.77	-10.47	-3.30	-14.21

270	-19.40	-9.84	-12.51	-11.19	-15.19	-5.18	-14.56
300	-10.98	-17.46	-20.43	-20.16	-15.46	-16.06	-8.88
330	-8.74	-14.35	-28.18	-25.43	-11.82	-19.60	-7.94
360	-9.27	-9.97	-14.25	-18.08	-10.04	-9.65	-10.12
Avg.	-11.61	-9.68	-8.54	-10.13	-9.16	-9.68	-11.70
Peak Value		-2.501	Minimum Value		#####		

RHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-9.61	-10.42	-14.77	-18.58	-10.69	-10.29	-10.67
30	-10.56	-13.19	-12.42	-15.87	-14.64	-8.23	-12.93
60	-18.29	-16.30	-14.05	-18.61	-19.90	-15.89	-24.02
90	-19.32	-9.51	-5.38	-27.42	-6.83	-7.47	-17.22
120	-11.98	-8.13	-3.53	-12.51	-2.88	-14.75	-13.93
150	-9.79	-8.34	-4.58	-4.12	-6.75	-12.14	-11.39
180	-8.85	-8.28	-12.43	-4.07	-8.01	-21.59	-10.71
210	-11.11	-8.17	-9.53	-16.50	-15.21	-18.81	-10.73
240	-18.56	-6.48	-7.59	-8.70	-10.70	-3.44	-14.57
270	-19.86	-10.09	-13.99	-12.63	-16.33	-6.11	-15.64
300	-11.47	-18.10	-19.66	-21.29	-16.10	-17.28	-9.31
330	-9.50	-14.29	-27.26	-26.97	-15.29	-20.65	-8.31
360	-9.61	-10.42	-14.77	-18.58	-10.69	-10.29	-10.67
Avg.	-12.07	-10.17	-9.08	-10.68	-9.63	-10.04	-12.28
Peak Value		-2.876	Minimum Value		#####		

LHCP							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	-8.37	-9.17	-13.36	-17.09	-9.12	-8.89	-9.34
30	-9.31	-11.85	-11.87	-14.27	-13.67	-7.23	-10.90
60	-17.20	-14.80	-12.54	-17.21	-17.52	-15.16	-24.25
90	-19.27	-8.28	-5.78	-24.17	-6.49	-6.81	-15.32
120	-11.09	-6.74	-1.33	-12.89	-2.13	-14.23	-12.72
150	-9.05	-7.09	-2.97	-2.89	-4.89	-11.88	-10.13
180	-7.83	-6.93	-11.53	-2.69	-6.48	-17.42	-9.05
210	-9.78	-7.02	-8.94	-14.31	-12.77	-16.51	-9.27
240	-16.61	-5.35	-7.58	-8.95	-10.31	-2.61	-13.91
270	-17.90	-9.17	-11.08	-9.99	-13.99	-3.93	-13.76
300	-10.09	-16.68	-20.69	-18.62	-15.06	-16.06	-8.31
330	-7.94	-13.42	-27.61	-25.13	-10.97	-18.38	-7.11
360	-8.37	-9.17	-13.36	-17.09	-9.12	-8.89	-9.34
Avg.	-10.88	-8.95	-7.85	-9.48	-8.43	-8.86	-10.93
Peak Value		-1.326	Minimum Value		#####		

AR							
ϕ [deg]	θ [deg]						
	0	30	60	90	120	150	180
0	22.95	22.87	21.83	21.37	20.90	21.92	22.38

30	22.91	22.30	29.94	20.76	25.06	24.82	18.68
60	24.09	21.30	21.27	21.91	17.29	27.52	37.81
90	51.55	23.01	32.75	14.66	34.25	28.42	19.26
120	25.85	21.99	17.98	33.09	27.35	30.54	23.15
150	27.41	22.91	20.69	22.96	19.41	36.47	22.83
180	24.66	22.24	25.72	22.00	21.17	12.55	20.43
210	22.33	23.56	29.43	18.03	17.12	17.61	21.52
240	19.03	23.70	63.12	36.83	32.92	26.39	28.41
270	19.01	25.54	15.60	16.44	17.47	18.10	19.32
300	22.03	21.81	24.60	16.35	24.49	23.10	24.81
330	20.96	26.10	34.06	19.53	12.27	17.73	23.27
360	22.95	22.87	21.83	21.37	20.90	21.92	22.38
Avg.	40.48	23.01	51.99	27.83	26.84	27.96	28.06
Peak Value			63.118	Minimum Value			12.267

Horizontal + Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-5.80	-6.20	-10.52	-14.52	-6.55	-6.29	-6.79
30	-6.87	-8.77	-8.41	-12.38	-11.06	-4.46	-8.37
60	-14.75	-12.00	-9.27	-14.71	-15.79	-11.67	-19.49
90	-15.08	-5.59	-2.27	-23.22	-3.29	-3.90	-12.68
120	-7.85	-4.24	1.04	-9.29	0.64	-11.94	-9.65
150	-6.06	-4.31	-0.46	-0.08	-2.72	-8.64	-7.23
180	-5.02	-4.11	-8.46	0.08	-4.22	-15.58	-6.25
210	-7.22	-4.27	-6.04	-10.94	-11.90	-12.27	-6.48
240	-14.74	-2.69	-4.60	-6.02	-7.62	0.30	-10.63
270	-15.13	-6.25	-8.91	-7.78	-11.56	-2.06	-11.81
300	-7.37	-14.29	-16.23	-16.40	-13.85	-13.34	-5.67
330	-5.36	-9.90	-23.41	-24.68	-9.25	-15.22	-4.74
360	-5.80	-6.20	-10.52	-14.52	-6.55	-6.29	-6.79
Avg.	-8.16	-6.18	-5.11	-6.71	-5.91	-6.19	-8.26
Peak Value		1.044	Minimum Value #####				

Horizontal							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.57	-9.05	-13.34	-17.38	-9.41	-9.23	-9.66
30	-9.68	-11.52	-11.40	-15.32	-13.89	-7.36	-10.98
60	-17.57	-14.77	-12.14	-17.41	-18.43	-14.74	-22.78
90	-18.41	-8.45	-5.38	-24.98	-6.14	-6.97	-15.40
120	-10.92	-7.05	-1.84	-12.38	-2.11	-15.48	-12.57
150	-9.07	-7.21	-3.39	-2.88	-5.70	-12.01	-10.15
180	-7.93	-7.02	-11.49	-2.90	-6.98	-17.08	-9.05
210	-9.98	-7.18	-8.98	-14.44	-14.21	-14.52	-9.41
240	-17.10	-5.58	-7.59	-9.13	-10.74	-2.62	-13.89
270	-17.73	-9.12	-11.89	-10.70	-14.37	-4.83	-14.86
300	-10.12	-17.07	-19.31	-19.20	-17.23	-16.59	-8.61
330	-8.19	-12.49	-26.33	-28.27	-13.05	-17.54	-7.64
360	-8.57	-9.05	-13.34	-17.38	-9.41	-9.23	-9.66
Avg.	-11.01	-9.04	-8.06	-9.64	-8.77	-9.10	-11.16
Peak Value		-1.842	Minimum Value #####				

Vertical							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.06	-9.38	-13.72	-17.69	-9.72	-9.38	-9.94
30	-10.09	-12.05	-11.44	-15.46	-14.26	-7.58	-11.82
60	-17.95	-15.27	-12.43	-18.06	-19.19	-14.61	-22.24
90	-17.79	-8.75	-5.18	-28.01	-6.46	-6.84	-16.00
120	-10.80	-7.45	-2.10	-12.23	-2.65	-14.49	-12.75
150	-9.08	-7.44	-3.54	-3.30	-5.76	-11.31	-10.33
180	-8.13	-7.23	-11.46	-2.95	-7.50	-20.94	-9.50
210	-10.50	-7.38	-9.11	-13.51	-15.74	-16.20	-9.57
240	-18.52	-5.83	-7.63	-8.93	-10.53	-2.81	-13.39

270	-18.59	-9.41	-11.95	-10.89	-14.79	-5.32	-14.78
300	-10.65	-17.55	-19.18	-19.64	-16.52	-16.13	-8.74
330	-8.56	-13.37	-26.51	-27.18	-11.60	-19.06	-7.86
360	-9.06	-9.38	-13.72	-17.69	-9.72	-9.38	-9.94
Avg.	-11.32	-9.34	-8.17	-9.79	-9.08	-9.30	-11.39
Peak Value		-2.095	Minimum Value		#####		

RHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-9.51	-9.98	-14.19	-18.41	-10.42	-10.14	-10.58
30	-10.83	-12.55	-11.71	-16.25	-14.67	-7.93	-12.56
60	-18.96	-15.81	-13.39	-18.55	-20.40	-14.82	-22.67
90	-18.90	-9.33	-5.14	-29.47	-6.58	-7.19	-16.63
120	-11.68	-7.99	-3.32	-12.32	-2.83	-15.22	-13.56
150	-9.69	-8.08	-4.44	-3.85	-6.89	-12.23	-10.89
180	-8.60	-7.98	-12.20	-3.79	-8.25	-20.01	-10.12
210	-10.73	-7.97	-9.43	-15.26	-16.61	-16.31	-10.45
240	-18.61	-6.35	-7.67	-9.02	-10.83	-3.26	-14.28
270	-18.54	-9.89	-13.79	-12.55	-15.94	-6.68	-15.70
300	-11.04	-18.22	-18.99	-20.96	-17.47	-17.70	-9.41
330	-9.32	-13.64	-26.63	-29.26	-14.93	-19.19	-8.44
360	-9.51	-9.98	-14.19	-18.41	-10.42	-10.14	-10.58
Avg.	-11.89	-9.92	-8.87	-10.49	-9.65	-9.93	-12.08
Peak Value		-2.827	Minimum Value		#####		

LHCP							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	-8.20	-8.56	-12.95	-16.80	-8.84	-8.60	-9.14
30	-9.10	-11.12	-11.14	-14.66	-13.55	-7.05	-10.44
60	-16.82	-14.34	-11.40	-17.03	-17.63	-14.54	-22.34
90	-17.41	-7.96	-5.42	-24.40	-6.03	-6.64	-14.92
120	-10.17	-6.61	-0.94	-12.29	-1.96	-14.70	-11.91
150	-8.53	-6.68	-2.67	-2.44	-4.82	-11.13	-9.67
180	-7.52	-6.41	-10.85	-2.21	-6.41	-17.53	-8.55
210	-9.78	-6.69	-8.69	-12.95	-13.69	-14.45	-8.70
240	-17.04	-5.14	-7.55	-9.04	-10.44	-2.23	-13.08
270	-17.77	-8.72	-10.61	-9.55	-13.54	-3.89	-14.09
300	-9.80	-16.55	-19.51	-18.28	-16.32	-15.33	-8.05
330	-7.59	-12.28	-26.21	-26.54	-10.62	-17.46	-7.16
360	-8.20	-8.56	-12.95	-16.80	-8.84	-8.60	-9.14
Avg.	-10.54	-8.56	-7.47	-9.06	-8.30	-8.57	-10.59
Peak Value		-0.938	Minimum Value		#####		

AR							
ϕ [deg]	Θ [deg]						
	0	30	60	90	120	150	180
0	22.48	21.75	22.97	20.70	20.85	21.07	21.63

30	20.10	21.75	29.63	20.79	23.82	25.91	18.32
60	18.24	21.43	18.86	21.15	16.00	35.74	34.37
90	21.35	22.09	35.71	10.95	30.08	29.93	20.15
120	21.20	22.02	17.33	53.60	26.03	30.51	20.45
150	23.50	21.94	19.84	21.82	18.50	23.97	23.09
180	24.15	20.91	22.24	20.86	19.53	16.93	20.87
210	25.27	22.62	27.36	17.56	15.57	19.42	20.00
240	20.92	23.19	42.92	63.33	33.06	24.57	23.24
270	27.08	23.47	14.84	15.34	17.25	15.96	20.72
300	22.93	20.39	30.38	16.30	23.58	17.35	22.09
330	20.09	22.13	32.45	16.18	12.29	20.06	22.67
360	22.48	21.75	22.97	20.70	20.85	21.07	21.63
Avg.	22.60	21.71	33.37	52.63	25.23	27.46	25.16
Peak Value			63.333	Minimum Value			10.947