

# 3D Radiation Pattern Measurement Results

## 1. Informations

Date		Test Engineer	
Customer		Antenna Version	
Model / Revision			
Test Condition			

Photo / Graph	Photo / Graph	Photo / Graph
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]	Gain[dB]	Gain[dB]	Gain[dB]	[%]	
2.408.000	60.0	180.0	-30.739	-6.481	22.486
2.416.000	60.0	150.0	-29.694	-6.743	21.168
2.424.000	60.0	120.0	-28.452	-6.146	24.286
2.432.000	60.0	120.0	-26.537	-6.000	25.119
2.440.000	60.0	120.0	-25.413	-6.144	24.297
2.448.000	60.0	120.0	-23.170	-6.222	23.868
2.456.000	60.0	120.0	-24.439	-6.327	23.299
2.464.000	60.0	120.0	-21.987	-6.314	23.367
2.472.000	60.0	120.0	-24.420	-5.967	25.311
2.480.000	60.0	120.0	-24.680	-5.725	26.763

**- Polarization -**

Horizontal + Vertical

**- Frequency -** 2400.000

**- Theta -** 0.0

**- Phi -** 0.0

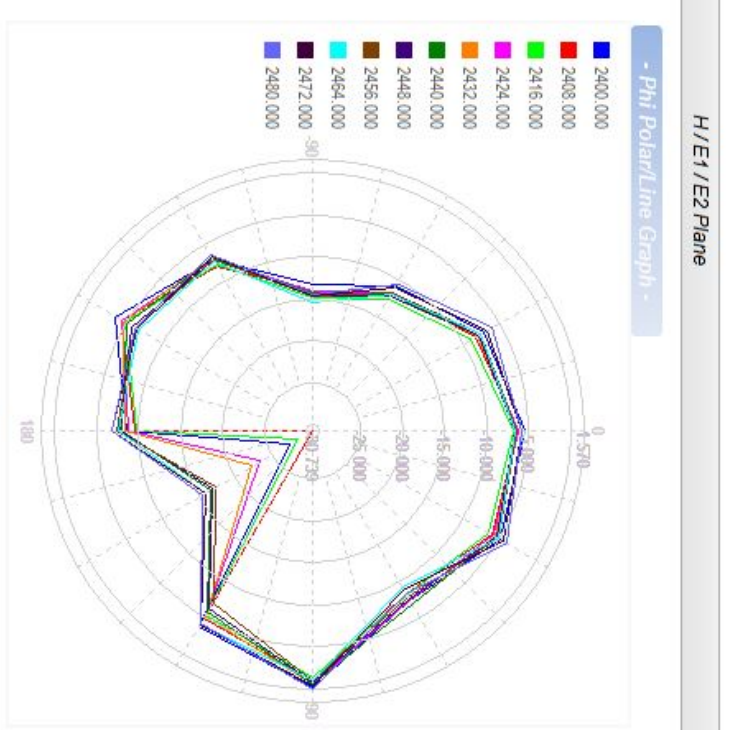
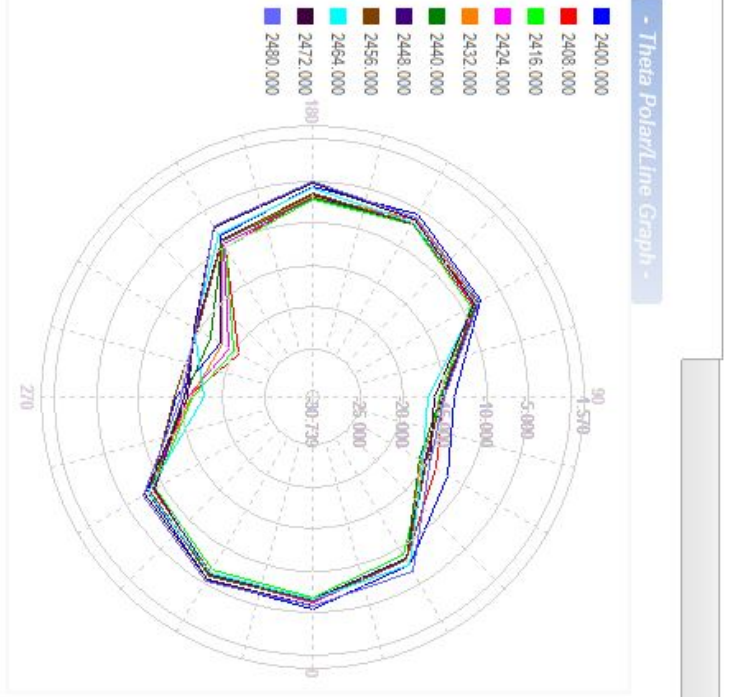
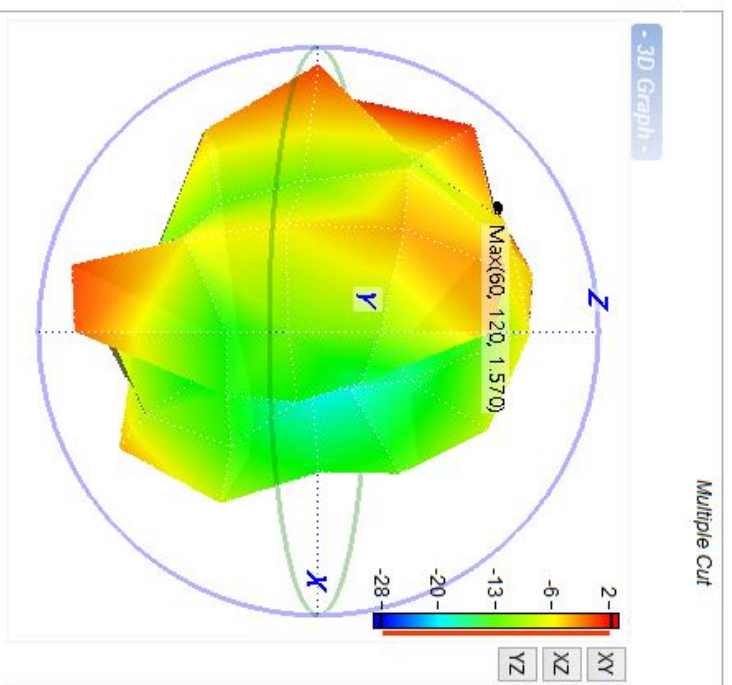
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**- Graph -** Line Graph

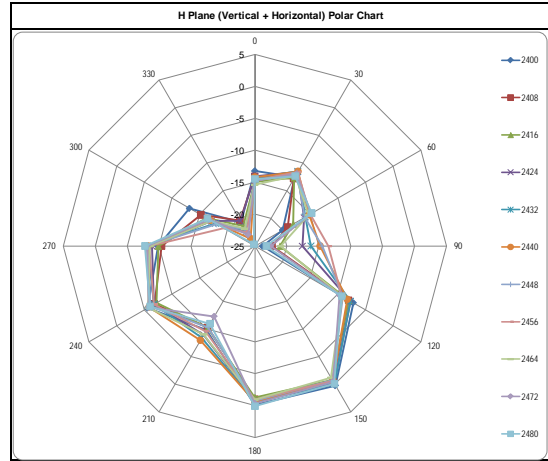
**- Scale -**  Auto  Manual

Min: -30.7385 Max: 1.56981

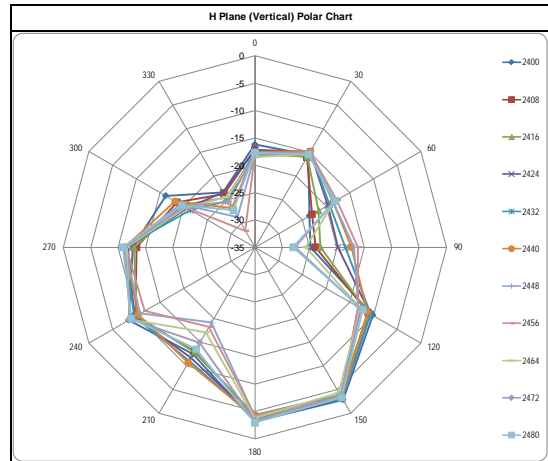
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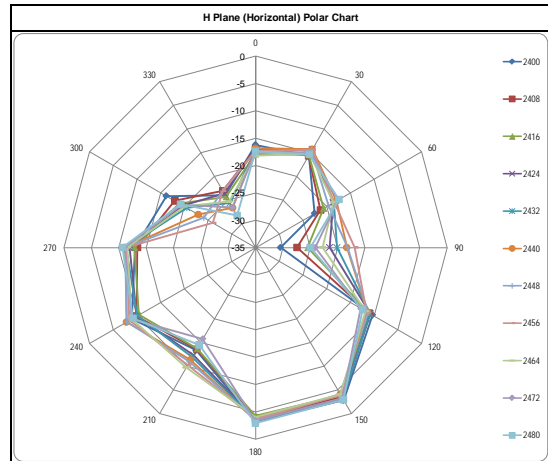
H Plane (Vertical + Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	150	0.24	90	90	-23.77	-6.21	23.93
2	2408	90	150	-0.58	90	90	-22.31	-7.06	19.69
3	2416	90	150	-0.78	90	330	-21.37	-7.25	18.85
4	2424	90	150	-0.14	90	330	-20.46	-6.57	22.01
5	2432	90	150	-0.07	90	330	-22.41	-6.45	22.63
6	2440	90	180	-0.63	90	330	-23.67	-6.57	22.02
7	2448	90	150	-0.72	90	330	-22.00	-6.84	20.70
8	2456	90	150	-0.62	90	330	-22.47	-6.90	20.40
9	2464	90	180	-0.90	90	330	-21.83	-7.01	19.90
10	2472	90	180	-0.32	90	330	-22.84	-6.88	21.47
11	2480	90	180	0.08	90	330	-24.68	-6.36	23.13
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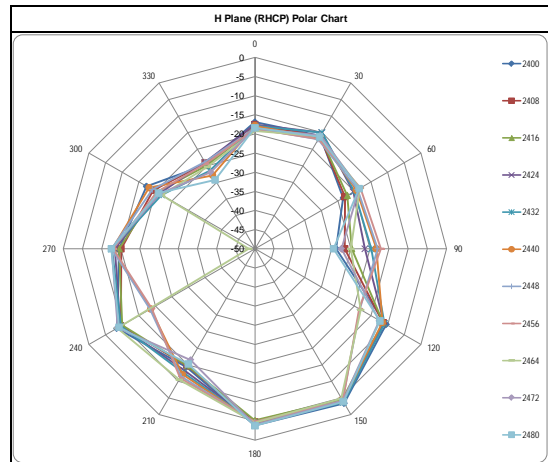
H Plane (Vertical)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	150	-2.80	90	90	-24.83	-9.18	12.08
2	2408	90	150	-3.70	90	90	-23.92	-10.15	9.66
3	2416	90	150	-3.81	90	330	-24.51	-10.26	9.41
4	2424	90	150	-3.17	90	330	-23.99	-9.60	10.97
5	2432	90	150	-3.07	90	330	-25.20	-9.46	11.33
6	2440	90	150	-3.27	90	330	-26.74	-9.64	10.88
7	2448	90	150	-3.45	90	330	-28.65	-10.15	9.65
8	2456	90	150	-3.48	90	330	-31.52	-10.28	9.38
9	2464	90	180	-3.79	90	90	-25.68	-10.21	9.53
10	2472	90	180	-3.35	90	90	-27.63	-9.78	10.51
11	2480	90	180	-2.95	90	90	-28.01	-9.45	11.36
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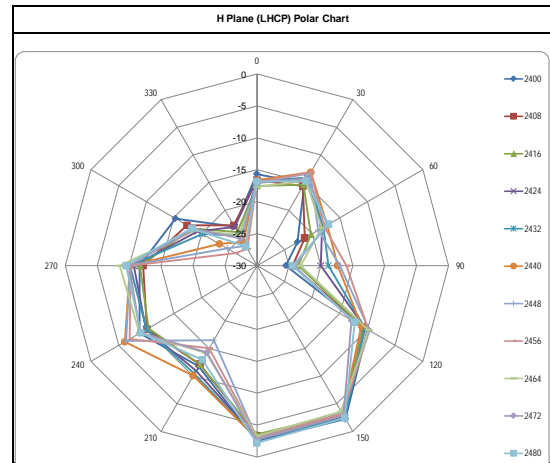
H Plane (Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	150	-2.74	90	90	-30.42	-9.26	11.85
2	2408	90	150	-3.49	90	90	-27.41	-9.99	10.03
3	2416	90	150	-3.78	90	90	-25.45	-10.25	9.44
4	2424	90	150	-3.12	90	330	-23.56	-9.57	11.03
5	2432	90	150	-3.08	90	330	-25.84	-9.47	11.30
6	2440	90	180	-3.38	90	330	-26.63	-9.53	11.15
7	2448	90	180	-3.52	90	300	-24.13	-9.57	11.04
8	2456	90	180	-3.72	90	300	-26.01	-9.58	11.02
9	2464	90	150	-4.00	90	330	-25.29	-9.84	10.36
10	2472	90	150	-3.23	90	330	-26.55	-9.60	10.95
11	2480	90	150	-2.88	90	330	-28.27	-9.29	11.77
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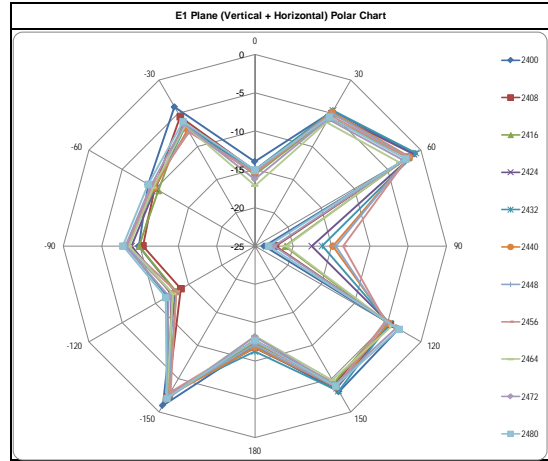
H Plane (RHCP)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	150	-3.35	90	90	-28.77	-9.83	10.39
2	2408	90	150	-4.20	90	90	-26.51	-10.70	8.52
3	2416	90	150	-4.48	90	330	-24.91	-10.96	8.02
4	2424	90	150	-3.82	90	330	-23.95	-10.29	9.35
5	2432	90	150	-3.75	90	330	-26.45	-10.17	9.61
6	2440	90	150	-4.07	90	330	-27.85	-10.68	8.55
7	2448	90	150	-4.22	90	330	-23.93	-11.03	7.90
8	2456	90	150	-4.11	90	330	-24.36	-11.01	7.92
9	2464	90	180	-4.63	90	270	-48.39	-10.87	8.18
10	2472	90	180	-4.07	90	90	-27.42	-10.33	9.26
11	2480	90	180	-3.79	90	90	-29.47	-10.14	9.68
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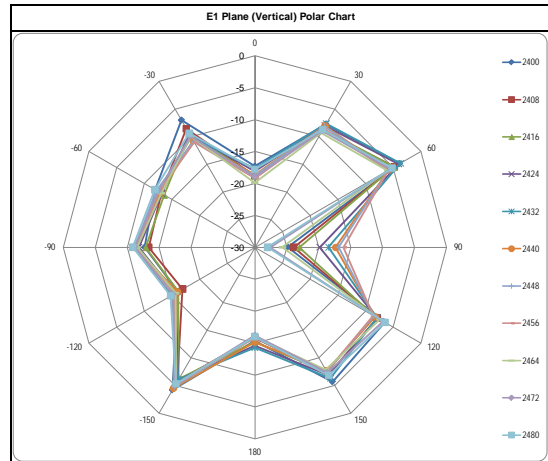
H Plane (LHCP)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		$\Theta$ [Deg]	$\Phi$ [Deg]	Value[dBi]	$\Theta$ [Deg]	$\Phi$ [Deg]	Value[dBi]		
1	2400	90	150	-2.24	90	90	-25.43	-8.69	13.53
2	2408	90	150	-3.06	90	90	-24.39	-9.52	11.17
3	2416	90	150	-3.21	90	330	-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	12.46
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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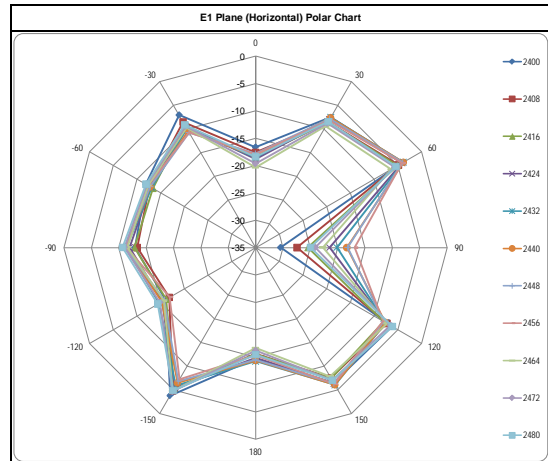
E1 Plane (Vertical + Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	60	-0.92	90	90	-23.77	-5.12	30.80
2	2408	90	60	-1.81	90	90	-22.31	-6.23	23.85
3	2416	90	60	-1.91	90	90	-21.07	-6.50	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	-23.49	-6.15	24.29
11	2480	90	-150	-2.06	90	90	-23.22	-5.93	25.51
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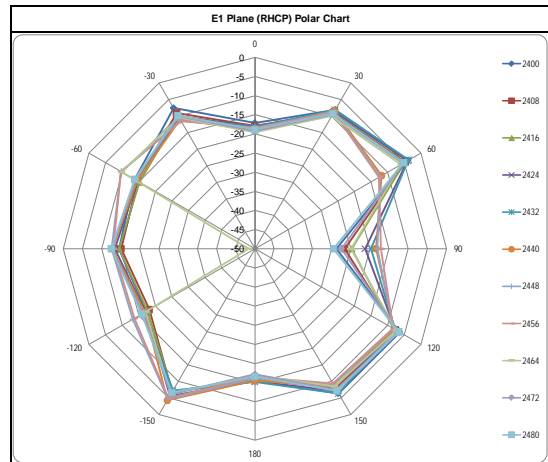
E1 Plane (Vertical)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	60	-3.85	90	90	-24.83	-8.14	15.36
2	2408	90	60	-4.79	90	90	-23.92	-9.37	11.56
3	2416	90	60	-4.81	90	90	-23.03	-9.60	10.95
4	2424	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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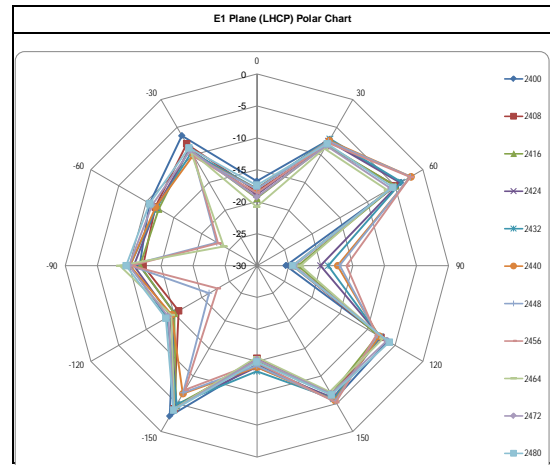
E1 Plane (Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	-150	-3.77	90	90	-30.42	-8.12	15.43
2	2408	90	-150	-4.79	90	90	-27.41	-9.11	12.28
3	2416	90	60	-5.03	90	90	-25.45	-9.42	11.42
4	2424	90	60	-4.12	90	90	-21.49	-8.87	12.88
5	2432	90	60	-3.85	90	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	90	-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	90	-22.71	-9.55	11.10
10	2472	90	-150	-4.61	90	90	-24.08	-9.03	12.51
11	2480	90	-150	-4.83	90	90	-24.98	-8.86	13.00
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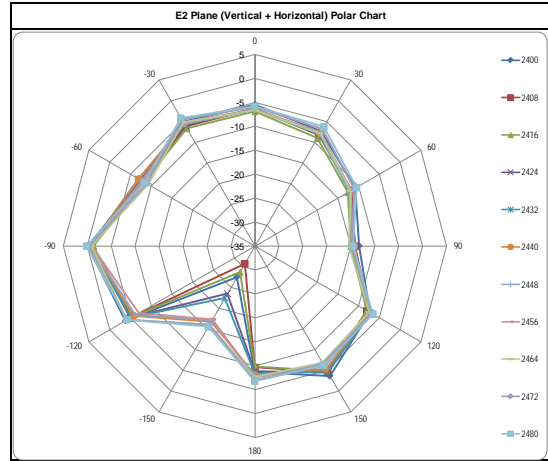
E1 Plane (RHCP)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	60	-3.84	90	90	-28.77	-8.70	13.49
2	2408	90	60	-4.68	90	90	-26.51	-9.80	10.47
3	2416	90	60	-4.86	90	90	-24.73	-10.11	9.74
4	2424	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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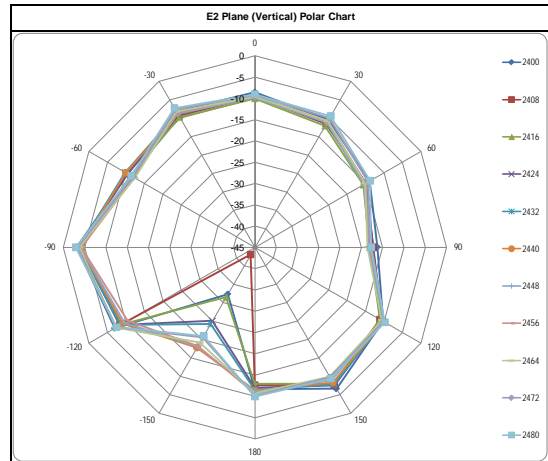
E1 Plane (LHCP)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	-150	-2.78	90	90	-25.43	-7.62	17.31
2	2408	90	-150	-4.14	90	90	-24.39	-8.74	13.38
3	2416	90	-150	-4.72	90	90	-23.51	-8.98	12.64
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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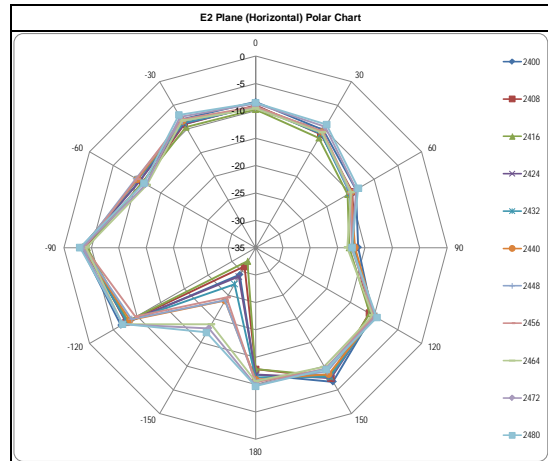
E2 Plane (Vertical + Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	-90	-0.14	90	-150	-27.49	-5.70	26.93
2	2408	90	-90	-1.02	90	-150	-30.74	-6.63	21.75
3	2416	90	-90	-1.30	90	-150	-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	-18.61	-5.98	25.23
11	2480	90	-90	0.08	90	-150	-15.58	-5.67	27.07
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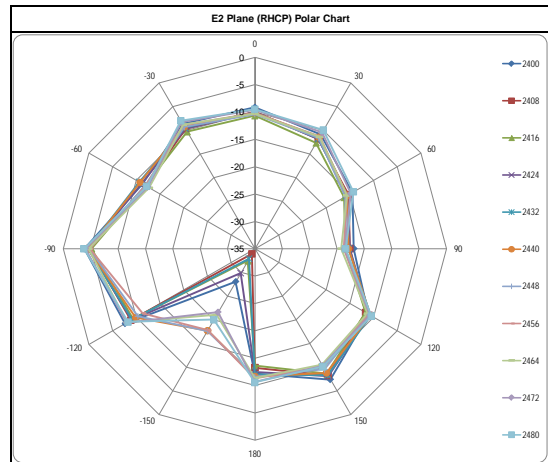
E2 Plane (Vertical)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	-90	-3.14	90	-150	-32.28	-8.74	13.37
2	2408	90	-90	-4.15	90	-150	-43.04	-9.79	10.49
3	2416	90	-90	-4.39	90	-150	-31.50	-10.09	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	-150	-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
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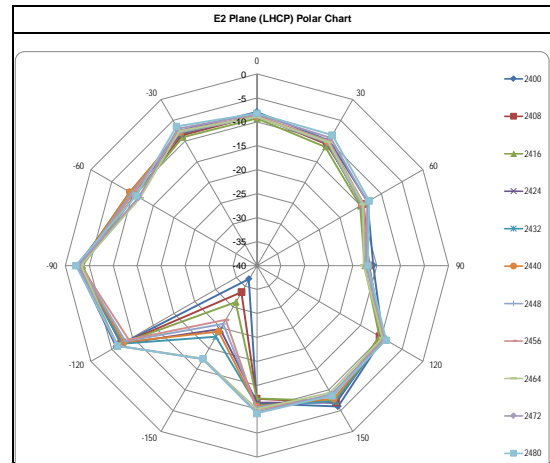
E2 Plane (Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dB]	Θ [Deg]	Φ [Deg]	Value[dB]		
1	2400	90	-90	-3.16	90	-150	-29.24	-8.68	13.56
2	2408	90	-90	-3.91	90	-150	-31.00	-9.48	11.27
3	2416	90	-90	-4.23	90	-150	-32.10	-9.88	10.27
4	2424	90	-90	-3.60	90	-150	-28.86	-9.28	11.79
5	2432	90	-90	-3.46	90	-150	-27.90	-9.24	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	-150	-17.38	-8.56	13.94
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E2 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	-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	-150	-17.98	-10.08	9.81
7	2448	90	-90	-4.73	90	-150	-18.61	-10.42	9.07
8	2456	90	-90	-4.88	90	-150	-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 [MHz]	Maximum Value			Minimum Value			Avg. Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[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	-24.86	-8.73	13.40
5	2432	90	-90	-2.83	90	-150	-22.87	-8.66	13.83
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	-7.88	15.93
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Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.99	23.94	23.94	22.86	21.75	21.90	24.82

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.55	24.33	24.87	24.72	23.23	22.54	24.42

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	21.80	22.72	23.66	24.89	23.17	22.43	21.98



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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.29	22.67	25.93	24.63	24.00	23.37	23.53

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.66	23.12	25.11	24.86	24.46	24.48	23.91

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.68	23.97	26.51	23.03	23.04	25.29	24.70

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	21.60	22.66	23.13	21.09	21.45	23.24	22.96

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	21.61	22.08	22.02	19.64	20.86	22.36	21.76

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



Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.02	22.96	23.13	21.00	21.05	22.79	22.36

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.95	22.87	21.83	21.37	20.90	21.92	22.38

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

Horizontal + Vertical							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [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							
$\phi$ [deg]	$\Theta$ [deg]						
	0	30	60	90	120	150	180
0	22.48	21.75	22.97	20.70	20.85	21.07	21.63



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