

Test End Time: 07-09-2023 13:12:57

Polarization Theta	Frequency (MHz)	Theta Ang																				Response (dB)
		0		20		40		60		80		100		120		140		160		180		
		Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	
0	2350	-0.315	0	-3.58	0	-3.48	0	-6.21	0	-15.28	0	-14.23	0	-6.41	0	-1.58	0	-4.11	0	0.6		
5	-3.36	0	-3.58	0.05	-3.52	0	-6.21	0.05	-15.29	0	-14.23	0	-6.41	0.05	-1.6	0	-4.11	0.05	0.39			
10	-3.64	1.65	-3.64	3.4	-3.58	2.5	-6.13	2.9	-14.96	0.8	-14.47	1.6	-6.8	2.55	-2.02	0.15	-4.14	10	0.11			
15	-3.99	7.4	-3.75	10.85	-3.73	10.3	-6.08	9.95	-14.77	6.15	-16.83	7.6	-8.41	9.4	-2.94	4.3	-4.95	15	-0.25			
20	-4.44	15.05	-4.01	18.35	-4.01	17.8	-6.23	18.1	-14.92	14.55	-19.93	15.25	-10.61	17.05	-4.22	11.65	-6.1	20	-0.69			
25	-4.97	22.5	-4.42	26.2	-4.51	25.35	-6.61	25.3	-15.23	22.65	-22.43	22.7	-13.49	24	-5.7	19.75	-7.5	25	-1.23			
30	-5.61	30.05	-4.95	33.95	-5.2	32.45	-7.31	32.95	-15.53	30.7	-22.74	30.2	-17.64	32	-7.44	27.2	-9	30	-1.88			
35	-6.38	38.05	-5.72	41.5	-6.13	40.25	-8.06	41	-15.7	38.4	-23.34	38.2	-23.92	40	-9.36	34.7	-10.72	35	-2.65			
40	-7.29	45.5	-6.86	49	-7.34	48.35	-9.2	48.25	-15.64	46.5	-19.78	45.8	-26.23	46.9	-10.88	42.2	-12.58	40	-3.56			
45	-8.38	53.1	-8.27	56.45	-8.82	55.85	-10.24	55.85	-15.39	54.85	-18.64	53	-20.46	54.85	-11.64	49.7	-14.4	45	-4.66			
50	-9.71	61.35	-10.34	63.9	-10.56	63.3	-11.2	63.8	-15.09	62.35	-17.91	60.45	-17.07	62.3	-11.56	57.15	-16.06	50	-6			
55	-11.36	69.8	-12.99	71.4	-12.62	70.8	-12.04	71.3	-14.83	70.4	-17.48	68.65	-14.73	69.05	-11.06	65.1	-17.2	55	-7.66			
60	-13.48	77.95	-15.03	79.4	-14.56	78.1	-12.66	78.9	-14.65	78.05	-17.25	76.25	-13.25	77.6	-10.94	72.2	-17.63	60	-9.79			
65	-16.38	85.5	-14.73	86.6	-15.64	86.55	-13.27	86.1	-14.72	85.6	-17.14	83.75	-12.27	85.1	-10.19	79.5	-17.54	65	-12.72			
70	-20.08	92.7	-12.55	94.5	-15.06	94.4	-14.01	94.05	-15.06	93.15	-17.16	91.25	-11.64	92.55	-10.03	87.5	-17.2	70	-17.29			
75	-30.97	100.25	-10.3	102.1	-13.29	103.55	-14.97	101.75	-15.77	100.85	-17.34	98.7	-11.13	100.2	-9.96	95.35	-16.93	75	-27.74			
80	-39.39	108.25	-8.32	109.25	-11.38	111.1	-15.72	108.95	-16.82	108.35	-17.69	106.7	-11.14	107.85	-9.93	102.9	-16.8	80	-25.21			
85	-50.36	115.6	-6.86	117.4	-9.71	118.75	-15.86	116.6	-18.22	116.05	-18.32	114.2	-11.12	114.85	-9.74	110.95	-16.78	85	-16.46			
90	-65.07	123.75	-5.79	125.3	-8.3	126.3	-15.1	124.25	-19.73	124	-19.11	122.2	-11.1	122.4	-9.43	118.5	-16.7	90	-12.23			
95	-83.26	130.95	-5.12	132.9	-7.42	133.85	-13.77	132.3	-21.04	131.95	-19.84	130.4	-10.19	129.9	-8.67	126.24	-15.9	95	-9.44			
100	-11.2	138.95	-4.72	140.45	-6.85	141.25	-12.49	140.35	-21.74	139.55	-20.09	138.05	-10.54	138.1	-7.65	133.35	-15.18	100	-7.39			
105	-9.58	146.1	-4.6	148.65	-6.69	148.75	-11.55	147.9	-22.34	147.1	-19.55	145.75	-9.84	145.75	-6.38	141.05	-13.68	105	-7.59			
110	-8.28	154.1	-4.68	156.2	-6.87	156.15	-11.01	155.45	-23.53	154.6	-18.46	153.2	-9.1	153.25	-5.11	148.65	-12.05	110	-4.49			
115	-7.22	163.35	-5.04	163.15	-7.2	163.3	-10.83	163	-26.29	162.05	-17.29	161.85	-8.41	161.2	-4.09	156.25	-10.5	115	-3.42			
120	-6.3	169.8	-5.46	171.8	-7.57	170.95	-10.82	170.6	-32.43	169.5	-16.36	168.9	-7.92	168.8	-3.24	163.75	-9.22	120	-5.53			
125	-5.55	177.85	-5.97	179	-7.56	179.1	-10.78	178.2	-32.91	177.75	-15.63	176.9	-7.62	176.3	-2.67	171.3	-8.04	125	-1.78			
130	-4.92	185.35	-6.35	186.5	-7.02	186.6	-10.37	185.4	-25.59	185.45	-15.27	185.5	-7.34	183.8	-2.32	179.05	-7.24	130	-1.15			
135	-4.39	192.85	-6.74	194	-6.25	194.1	-9.61	193.4	-21.61	193.85	-15.22	192.7	-7.33	191.3	-2.23	186.55	-6.72	135	-0.62			
140	-3.96	200.35	-6.95	202.05	-5.63	202.05	-8.64	201.1	-19.6	201.05	-15.44	200.15	-7.49	198.6	-2.41	194.2	-6.48	140	-0.19			
145	-3.61	208.3	-7.11	209.25	-5.21	209.2	-7.91	208.6	-18.71	209.7	-15.93	208.05	-7.84	206.15	-2.91	201.65	-6.57	145	0.16			
150	-3.34	215.85	-7.35	216.8	-5.29	216.95	-7.47	216.1	-18.59	216.7	-16.66	215.6	-8.48	214.35	-3.85	209.15	-7.08	150	0.43			
155	-3.14	223.85	-7.93	224.35	-5.88	224.45	-7.61	223.7	-19.03	224.2	-17.71	223.6	-9.65	222.6	-5.21	216.75	-8.07	155	0.63			
160	-3	231.55	-8.86	232.3	-7.14	231.8	-8.37	231.35	-19.8	232.5	-19.43	231.55	-11.49	229.9	-7.07	224.75	-9.73	160	0.75			
165	-2.94	238.65	-10.17	239.95	-9.17	239.95	-9.95	239.4	-20.82	240.05	-21.91	239.05	-14.67	237.5	-9.82	232.2	-12.38	165	0.82			
170	-2.94	246.2	-12.03	247.6	-11.83	247.2	-12.62	246.95	-22.04	247.55	-26.39	247	-20.29	245	-14.67	240.6	-17.19	170	0.81			
175	-3.01	254.6	-14.13	254.7	-13.91	255.25	-17.57	254.55	-23.48	255.1	-35.38	254.4	-33.62	253	-26.45	248.1	-20.77	175	0.74			
180	-3.15	262.1	-14.26	262.2	-14.94	263.05	-22.33	262.05	-24.78	263.25	-27.04	262.6	-28.22	260	-19.78	255.6	-15.37	180	0.6			
185	-3.36	269.55	-12.17	270.15	-9.39	270.6	-16.16	269.4	-25.26	270.25	-20.87	269.75	-12.89	267.95	-12.12	263.1	-10.89	185	0.39			
190	-3.64	277.1	-9.67	277.65	-6.86	278.1	-11.6	277.45	-24.44	277.7	-17.05	277.95	-9.39	276.4	-8	270.65	-7.87	190	0.11			
195	-3.99	284.65	-7.62	285.2	-4.95	285.7	-8.81	285	-23.42	285.2	-14.39	286.1	-7.14	283.4	-5.65	278.7	-5.62	195	-0.23			
200	-4.44	292.2	-6.06	291.8	-3.71	291.55	-7.03	292.55	-22.82	293.25	-12.38	293.6	-5.66	292	-3.69	286.35	-4.15	200	-0.69			
205	-4.97	300.15	-4.97	300.35	-2.84	300.85	-6.07	300.15	-22.92	300.85	-11.05	301.1	-4.66	300.75	-2.34	293.9	-3.11	205	-1.25			
210	-5.61	308.1	-4.24	307.95	-2.43	308.95	-5.49	307.15	-23.7	308.5	-10.13	308.65	-3.99	307.9	-1.57	301.4	-2.42	210	-1.88			
215	-6.38	315.8	-3.8	315.45	-2.23	316.55	-5.51	315.1	-24.58	315.65	-9.64	316.25	-3.72	315.45	-1.01	308.85	-1.97	215	-2.65			
220	-7.29	323.2	-3.6	323.45	-2.37	324.2	-5.66	322.45	-23.8	323.6	-9.5	323.3	-4.59	322.9	-0.66	316.15	-1.79	220	-3.56			
225	-8.38	331.35	-3.47	330.95	-2.58	331.7	-5.89	330.85	-21.99	331.15	-9.81	331.55	-3.85	331.25	-0.51	324.25	-1.81	225	-4.66			
230	-9.71	338.95	-3.48	338.5	-2.91	339.2	-6.29	338.35	-18.61	338.75	-10.49	339.15	-4.28	339.35	-0.6	331.8	-2.02	230	-6			
235	-11.36	346.55	-3.52	346.35	-3.22	346.75	-6.41	345.9	-16.85	345.7	-11.66	346.3	-4.99	346.95	-0.89	339.5	-2.44	235	-6.76			
240	-13.48	352.75	-3.52	353.05	-3.26	353.05	-6.35	353	-16.25	353	-12.22	353.2	-5.31	352.9	-1.04	346.65	-2.97	240	-7.99			
245	-16.38	355	-3.51	355	-3.26	355	-6.33	355	-16.26	355	-12.22	355	-5.34	355	-1.03	352.95	-3.2	245	-12.72			
250	-20.08	360	-3.58	360	-3.48	360	-6.21	360	-15.28	360	-14.23	360	-6.41	360	-1.58	355	-3.18	250	-17.29			
255	-30.97															360	-4.11	255	-27.74			
260	-39.39																	260	-25.21			
265	-50.36																	265	-16.46			
270	-65.07																	270	-12.23			
275	-83.26																	275	-9.44			
280	-11.2																	280	-7.39			
285	-9.58																	285	-5.79			
290	-8.28																	290	-4.49			
295	-7.2																	295	-3.42			
300	-6.3																	300	-2.53			
305	-5.55																	305	-1.78			
310	-4.92																	310	-1.15			
315	-4.39																	315	-0.62			
320	-3.96																	320	-0.19			
325	-3.61																	325	0.16			
330	-3.34																	330	0.43			
335	-3.14																	335	0.63			
340	-3																	340	0.75			
345	-2.94																	345	0.82			
350	-2.94																	350	0.81			
355	-3.01																	355	0.74			
360	-3.15																	360	0.6			

2380	Theta Ang	0	20	40	60	80	100	120	140	160	180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
0	-2.22	0	-2.86	0	-3.75	0	-4.96	0	-4.08	0	-4.08	0
5	-2.45	0	-2.86	0.05	-3.73	0	-6.19	0.05	-4.49	0	-4.08	0.4
10	-2.76	1.65	-2.89	3.4	-3.86	2.5	-6.1	2.9	-4.83	0.8	-4.14	10
15	-3.14	7.4	-3.09	10.85	-4.12	10.3	-6.12	9.95	-4.82	6.15	-16.42	7.6
20	-3.62	15.05	-3.39	18.35	-4.44	17.8	-6.29	18.1	-5.07	14.55	-19.22	15.25
25	-4.19	22.5	-3.83	26.2	-4.97	25.35	-6.71	25.3	-5.43	22.65	-20.71	22.7
30	-4.87	30.05	-4.47	33.95	-5.62	32.45	-7.32	32.95	-6.14	30.7	-20.05	30.2
35	-5.68	38.05	-5.3	41.5	-6.55	40.25	-8.1	41	-6.59	38.4	-18.62	38.2
40	-6.65	45.6	-6.43	49	-7.57	48.35	-9.16	48.25	-7.59	46.5	-17.37	45.8
45	-7.81	53.1	-7.96	56.45	-8.91	55.85	-10.11	55.85	-8.44	54.85	-16.55	53
50	-9.24	61.35	-9.98	63.9	-10.28	63.3	-10.94	63.8	-9.42	62.35	-16.16	60.45
55	-11.02	69.8	-12.35	71.4	-11.83	70.8	-11.58	71.3	-10.12	70.4	-16.08	68.65
60	-13.36	77.95	-13.9	79.4	-13.27	78.1	-12.08	78.9	-14.44	78.05	-16.23	76.25
65	-16.66	85.5	-13.41	86.6	-14.33	86.55	-12.49	86.1	-14.17	85.6	-16.58	83.75
70	-22.18	92.7	-11.53	94.5	-14.53	94.4	-12.99	94.05	-14.56	93.15	-16.99	91.25
75	-41.75	100.25	-9.56	102.1	-13.62	103.55	-13.58	101.75	-15.35	100.85	-17.53	98.7
80	-24.22	108.25	-7.78	109.25	-12.11	111.1	-14.06	108.95	-16.43	108.35	-18.3	106.7
85	-17.67	115.6	-6.34	117.4	-10.46	118.75	-14.21	116.6	-17.74	116.05	-19.38	114.2
90	-14.02	123.75	-5.37	125.3	-8.67	126.3	-13.84	124.25	-18.89	124	-20.83	122.2
95	-11.51	130.95	-4.66	132.9	-7.92	133.85	-13.06	132.3	-19.43	131.95	-22.24	130.4
100	-9.62	138.95	-4.2	140.45	-7.15	141.25	-12.21	140.35	-19.32	139.55	-22.56	138.05
105	-8.12	146.1	-4.01	148.65	-6.93	148.75	-11.62	147.9	-19.24	147.1	-21.16	145.75
110	-6.9	154.1	-4.03	156.2	-7.1	156.15	-11.33	155.45	-19.89	154.6	-19.18	153.2
115	-5.89	162.35	-4.27	163.15	-7.47	163.3	-11.35	163	-21.73	162.05	-17.36	161.85
120	-5.05	169.8	-4.63	171.8	-7.95	170.95	-11.49	170.6	-26.02	169.5	-16.03	168.9
125	-4.34	177.85	-5.15	179	-8.1	179.1	-11.39	178.2	-39.03	177.75	-15.06	176.9
130	-3.74	185.35	-5.67	186.5	-7.7	186.6	-10.84	185.4	-30.15	185.45	-14.61	185.5
135	-3.25	192.85	-6.24	194	-6.84	194.1	-9.86	193.4	-23.06	193.85	-14.51	192.7
140	-2.84	200.35	-6.62	202.05	-5.98	202.05	-8.81	201.1	-20.05	201.05	-14.8	200.15
145	-2.52	208.3	-7.17	209.25	-5.5	209.2	-8.02	208.6	-18.72	209.7	-15.46	208.05
150	-2.27	215.85	-7.6	216.8	-5.42	216.95	-7.5	216.1	-18.45	216.7	-16.39	215.6
155	-2.09	223.85	-8.38	224.35	-5.93	224.45	-7.49	223.7	-18.93	224.2	-17.78	223.6
160	-1.99	231.55	-9.41	232.3	-7.06	232.8	-8.13	231.35	-19.85	232.5	-20.03	231.55
165	-1.95	238.65	-10.83	239.95	-8.92	239.95	-9.44	239.4	-21.15	240.05	-23.19	239.05
170	-1.97	246.2	-12.56	247.6	-11.57	247.2	-11.66	246.95	-22.46	247.55	-29.64	247
175	-2.06	254.6	-14.1	254.7	-13.86	255.25	-15.47	254.55	-23.6	255.1	-41.64	254.4
180	-2.22	262.1	-13.55	262.2	-12.73	263.05	-19.51	262.05	-24.32	263.25	-25.38	262.6
185	-2.45	269.55	-11.39	270.15	-9.66	270.6	-16.65	269.4	-24.27	270.25	-19.86	269.75
190	-2.76	277.1	-9.12	277.65	-7.07	278.1	-12.34	277.45	-23.59	277.7	-16.43	277.95
195	-3.14	284.65	-7.12	285.2	-5.08	285.7	-9.37	285	-23	285.2	-13.94	286.1
200	-3.62	292.2	-5.7	292.8	-3.72	293.55	-7.57	292.55	-22.72	293.25	-12.03	293.6
205	-4.19	300.15	-4.61	300.35	-2.89	300.85	-6.5	300.15	-23.04	300.85	-10.73	301.1
210	-4.87	308.1	-3.82	307.95	-2.37	308.95	-5.89	307.15	-23.82	308.5	-9.81	308.65
215	-5.68	315.5	-3.3	315.45	-2.21	316.55	-5.75	315.1	-23.95	315.65	-9.29	316.25
220	-6.65	323.2	-2.92	323.45	-2.29	324.2	-5.86	322.45	-22.46	323.6	-9.2	323.9
225	-7.81	331.35	-2.8	330.95	-2.54	331.7	-6.09	330.85	-19.78	331.15	-9.44	331.55
230	-9.24	338.95	-2.72	338.5	-2.87	339.2	-6.22	338.35	-17.68	338.75	-10.13	339.15
235	-11.02	346.55	-2.72	346.35	-3.25	346.75	-6.31	345.9	-16.2	345.7	-11.25	346.3
240	-13.36	352.75	-2.76	353.05	-3.38	353.05	-6.26	353	-15.63	353	-12.03	353.2
245	-16.66	355	-2.72	355	-3.38	355	-6.29	355	-15.63	355	-12.03	355
250	-22.18	360	-2.86	360	-3.75	360	-6.19	360	-14.96	360	-14.08	360
255	-41.75											
260	-24.22											
265	-17.67											
270	-14.02											
275	-11.51											
280	-9.62											
285	-8.12											
290	-6.9											
295	-5.89											
300	-5.05											
305	-4.34											
310	-3.74											
315	-3.25											
320	-2.84											
325	-2.52											
330	-2.27											
335	-2.09											
340	-1.99											
345	-1.95											
350	-1.97											
355	-2.06											
360	-2.22											

2410	Theta Ang	0	20	40	60	80	100	120	140	160	180		
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)	
0	-1.08	0	-1.42	0	-3.1	0	-5.45	0	-13.73	0	-13.85	0	0.26
5	-1.33	0	-1.42	0.05	-3.1	0	-5.45	0.05	-13.73	0	-13.85	0	0.03
10	-1.66	1.65	-1.4	3.4	-3.29	2.5	-5.45	2.9	-13.72	0.8	-13.88	1.6	-7.2
15	-2.07	7.4	-1.7	10.85	-3.62	10.3	-5.49	9.95	-13.89	6.15	-16.06	7.6	-9.75
20	-2.58	15.05	-2.11	18.35	-4.06	17.8	-5.84	18.1	-14.36	14.55	-18.76	15.25	-13.62
25	-3.18	22.5	-2.64	26.2	-4.69	25.35	-6.35	25.3	-14.81	22.65	-19.06	22.7	-18.75
30	-3.9	30.05	-3.39	33.95	-5.47	32.45	-7.03	32.95	-15.05	30.7	-17.56	30.2	-22.48
35	-4.76	38.05	-4.34	41.5	-6.48	40.25	-7.85	41	-14.84	38.4	-16.03	38.2	-19.34
40	-5.79	45.6	-5.56	49	-7.57	48.35	-8.92	48.25	-14.34	46.5	-15.01	45.8	-16.39
45	-7.03	53.1	-7.17	56.45	-8.87	55.85	-9.79	55.85	-13.74	54.85	-14.47	53	-14.85
50	-8.56	61.35	-9.38	63.9	-10.13	63.3	-10.5	63.8	-13.17	62.35	-14.35	60.45	-13.99
55	-10.5	69.85	-11.95	71.4	-11.39	70.8	-10.97	71.3	-12.78	70.4	-14.59	68.65	-13.57
60	-13.08	77.95	-13.58	79.4	-12.48	78.1	-11.31	78.9	-12.62	78.05	-15.02	76.25	-13.32
65	-16.89	85.5	-12.89	86.6	-13.28	86.55	-11.67	86.1	-12.76	85.6	-15.62	83.75	-13.14
70	-23.95	92.7	-10.78	94.5	-13.64	94.4	-12.16	94.05	-13.2	93.15	-16.24	91.25	-13.01
75	-35.53	100.25	-8.7	102.1	-13.34	103.55	-12.9	101.75	-14.1	100.85	-16.85	98.7	-12.92
80	-20.29	108.25	-6.88	109.25	-12.35	111.1	-13.56	108.95	-15.36	108.35	-15.73	106.7	-12.91
85	-15.09	115.6	-5.39	117.4	-10.94	118.75	-13.96	116.6	-17.01	116.05	-18.41	114.2	-13.04
90	-11.9	123.75	-4.37	125.3	-9.37	126.3	-13.74	124.25	-18.75	124	-19.75	122.2	-13.26
95	-9.63	130.95	-3.58	132.9	-8.18	133.85	-12.91	132.3	-19.8	131.95	-21.67	130.4	-13.44
100	-7.88	138.95	-3	140.45	-7.19	141.25	-11.93	140.35	-19.63	139.55	-23.63	138.05	-13.23
105	-6.48	146.1	-2.67	148.65	-6.61	148.75	-11.17	147.9	-19	147.1	-23.68	145.75	-12.42
110	-5.34	154.1	-2.55	156.2	-6.49	156.15	-10.72	155.45	-18.92	154.6	-21.27	153.2	-11.2
115	-4.39	162.35	-2.64	163.15	-6.56	163.3	-10.59	163	-19.88	162.05	-18.67	161.85	-9.74
120	-3.59	169.8	-2.86	171.8	-6.98	170.95	-10.64	170.6	-22.5	169.5	-16.81	168.9	-8.49
125	-2.92	177.85	-3.21	179	-7.21	179.1	-10.57	178.2	-28.27	177.75	-15.42	176.9	-7.54
130	-2.36	185.35	-3.67	186.5	-7	186.6	-10.14	185.4	-36.18	185.45	-14.7	185.5	-6.8
135	-1.89	192.85	-4.22	194	-6.44	194.1	-9.3	193.4	-25.22	193.85	-14.51	192.7	-6.45
140	-1.51	200.35	-4.85	202.05	-5.77	202.05	-8.37	201.1	-20.72	201.05	-14.71	200.15	-6.28
145	-1.22	208.3	-5.59	209.25	-5.25	209.2	-7.57	208.6	-18.65	209.7	-15.41	208.05	-6.45
150	-0.99	215.85	-6.39	216.8	-5.11	216.95	-7.1	216.1	-17.91	216.7	-16.44	215.6	-7.04
155	-0.84	223.85	-7.48	224.35	-5.48	224.45	-7.04	223.7	-18.01	224.2	-18.01	223.6	-8.17
160	-0.75	231.55	-8.77	232.3	-6.45	231.8	-7.52	231.35	-18.71	232.5	-20.36	231.55	-9.92
165	-0.73	238.65	-10.43	239.95	-8.13	239.95	-8.62	239.4	-19.87	240.05	-23.63	239.05	-12.9
170	-0.78	246.2	-12.31	247.6	-10.53	247.2	-10.43	246.95	-21.03	247.55	-28.43	247	-17.86
175	-0.89	254.6	-13.61	254.7	-12.74	255.25	-13.3	254.55	-21.77	255.1	-29.41	254.4	-31.97
180	-1.08	262.1	-12.58	262.2	-12.05	263.05	-16.04	262.05	-21.98	263.25	-23.69	262.6	-18.92
185	-1.33	269.55	-10.23	270.15	-9.19	270.6	-14.95	269.4	-21.54	270.25	-19.51	269.75	-12.99
190	-1.66	277.1	-7.97	277.65	-6.61	278.1	-11.71	277.45	-20.75	277.7	-16.47	277.95	-9.22
195	-2.07	284.65	-6	285.2	-4.58	285.7	-9.06	285	-20.31	285.2	-14.07	286.1	-6.78
200	-2.58	292.2	-4.53	292.8	-3.24	293.55	-7.17	292.55	-20.24	293.25	-12.1	293.6	-5.17
205	-3.18	300.15	-3.34	300.35	-2.33	300.85	-6.14	300.15	-20.71	300.85	-10.69	301.1	-4.04
210	-3.9	308.1	-2.48	307.95	-1.81	308.95	-5.51	307.15	-21.41	308.5	-9.59	308.65	-3.21
215	-4.76	315.5	-1.88	315.45	-1.58	316.55	-5.28	315.1	-21.35	315.65	-8.89	316.25	-2.7
220	-5.79	323.2	-1.51	323.45	-1.65	324.2	-5.35	322.45	-19.91	323.6	-8.62	323.4	-2.56
225	-7.03	331.35	-1.25	330.95	-1.87	331.7	-5.37	330.85	-17.6	331.15	-8.73	331.55	-2.77
230	-8.56	338.95	-1.15	338.5	-2.2	339.2	-5.49	338.35	-15.8	338.75	-9.43	339.15	-3.3
235	-10.5	346.55	-1.19	346.35	-2.58	346.75	-5.5	345.9	-14.62	345.7	-10.52	346.3	-4.26
240	-13.08	352.75	-1.2	353.05	-2.78	353.05	-5.48	353	-14.11	353	-11.57	353.2	-5.14
245	-16.89	355	-1.24	355	-2.8	355	-5.52	355	-14.13	355	-11.58	355.5	-5.09
250	-23.95	360	-1.42	360	-3.1	360	-5.45	360	-13.73	360	-13.85	360	-7.02
255	-35.53												
260	-20.29												
265	-15.09												
270	-11.9												
275	-9.63												
280	-7.88												
285	-6.48												
290	-5.34												
295	-4.39												
300	-3.59												
305	-2.92												
310	-2.36												
315	-1.89												
320	-1.51												
325	-1.22												
330	-0.99												
335	-0.84												
340	-0.75												
345	-0.73												
350	-0.78												
355	-0.89												
360	-1.08												

2440	Theta	Ang	0	20	40	60	80	100	120	140	160	180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)	
0	-0.99	0	-1.03	0	-2.79	0	-4.84	0	-12.17	0	-13.6	0	0.58
5	-1.25	0	-1.03	0.05	-2.8	0	-4.84	0.05	-12.17	0	-13.6	0	0.34
10	-1.6	1.65	-1.05	3.4	-2.9	2.5	-4.84	2.9	-12.22	0.8	-13.64	1.6	0.04
15	-2.02	7.4	-1.35	10.85	-3.3	10.3	-5	9.95	-12.66	6.15	-15.12	7.6	-0.35
20	-2.54	15.05	-1.76	18.35	-3.78	17.8	-5.37	18.1	-13.6	14.55	-16.86	15.25	-0.83
25	-3.17	22.5	-2.31	26.2	-4.46	25.35	-5.96	25.3	-14.66	22.65	-17.02	22.7	-1.4
30	-3.91	30.05	-3.06	33.95	-5.25	32.45	-6.8	32.95	-15.55	30.7	-16.14	30.2	-2.08
35	-4.79	38.05	-4.05	41.5	-6.3	40.25	-7.77	41	-15.82	38.4	-15.2	38.2	-2.9
40	-5.85	45.6	-5.32	49	-7.57	48.35	-8.99	48.25	-15.33	46.5	-14.58	45.8	-3.87
45	-7.13	53.1	-6.88	56.45	-8.92	55.85	-10.01	55.85	-14.46	54.85	-14.37	53	-5.04
50	-8.72	61.35	-9.15	63.9	-10.23	63.3	-10.72	63.8	-13.54	62.35	-14.53	60.45	-6.48
55	-10.74	69.8	-11.6	71.4	-11.46	70.8	-11.11	71.3	-12.82	70.4	-14.98	68.65	-8.27
60	-13.47	77.95	-13.68	79.4	-12.23	78.1	-11.14	78.9	-12.37	78.05	-15.68	76.25	-10.63
65	-17.59	85.5	-13.09	86.6	-12.5	86.55	-11.11	86.1	-12.21	85.6	-16.43	83.75	-13.96
70	-25.84	92.7	-10.9	94.5	-12.32	94.4	-11.14	94.05	-12.4	93.15	-17.16	91.25	-19.58
75	-30.38	100.25	-8.65	102.1	-11.76	103.55	-11.38	101.75	-13	100.85	-17.89	98.7	-39.14
80	-19.06	108.25	-6.66	109.25	-10.9	111.1	-11.66	108.95	-13.96	108.35	-18.65	106.7	-21.17
85	-14.35	115.6	-5.1	117.4	-9.82	118.75	-11.77	116.6	-15.21	116.05	-19.69	114.2	-14.75
90	-11.36	123.75	-3.93	125.3	-8.62	126.3	-11.57	124.25	-16.42	124	-21.53	122.2	-11.14
95	-9.19	130.95	-3.09	132.9	-7.55	133.85	-11	132.3	-16.94	131.95	-24.28	130.4	-8.65
100	-7.51	138.95	-2.42	140.45	-6.75	141.25	-10.33	140.35	-16.44	139.55	-27.82	138.05	-6.77
105	-6.16	146.1	-2.02	148.65	-6.23	148.75	-9.85	147.9	-15.79	147.1	-26.62	145.75	-5.28
110	-5.05	154.1	-1.81	156.2	-6.08	156.15	-9.66	155.45	-15.65	154.6	-22.37	153.2	-4.07
115	-4.12	162.35	-1.78	163.15	-6.25	163.3	-9.81	163	-16.38	162.05	-19.04	161.85	-3.06
120	-3.34	169.8	-1.91	171.8	-6.64	170.95	-10.11	170.6	-18.37	169.5	-16.83	168.9	-2.22
125	-2.69	177.85	-2.2	179	-7.03	179.1	-10.24	178.2	-22.41	177.75	-15.23	176.9	-1.52
130	-2.15	185.35	-2.56	186.5	-6.95	186.6	-9.86	185.4	-32.25	185.45	-14.34	185.5	-0.92
135	-1.7	192.85	-3.04	194	-6.48	194.1	-8.95	193.4	-28.26	193.85	-13.95	192.7	-0.43
140	-1.33	200.35	-3.58	202.05	-5.75	202.05	-7.94	201.1	-21.35	201.05	-14.01	200.15	-0.03
145	-1.05	208.3	-4.34	209.25	-5.08	209.2	-7.05	208.6	-18.51	209.7	-14.46	208.05	0.29
150	-0.84	215.85	-5.19	216.8	-4.78	216.95	-6.64	216.1	-17.4	216.7	-15.24	215.6	0.54
155	-0.69	223.85	-6.3	224.35	-5.07	224.45	-6.55	223.7	-17.37	224.2	-16.43	223.6	0.71
160	-0.62	231.55	-7.76	232.3	-5.96	231.8	-7.02	231.35	-18.12	232.5	-18.07	231.55	0.82
165	-0.61	238.65	-9.73	239.95	-7.56	239.95	-8.08	239.4	-19.41	240.05	-20.13	239.05	0.86
170	-0.67	246.2	-12.15	247.6	-10.01	247.2	-9.79	246.95	-20.72	247.55	-22.72	247	0.83
175	-0.79	254.6	-14.09	254.7	-12.49	255.25	-12.3	254.55	-21.35	255.1	-25.15	254.4	0.74
180	-0.99	262.1	-12.79	262.2	-11.99	263.05	-14.39	262.05	-21.02	263.25	-24.68	262.6	0.58
185	-1.25	269.55	-9.92	270.15	-8.95	270.6	-13.45	269.4	-20.04	270.25	-21.54	269.75	0.34
190	-1.6	277.1	-7.4	277.65	-6.17	278.1	-10.68	277.45	-18.99	277.7	-18.3	277.95	0.04
195	-2.02	284.65	-5.32	285.2	-4.13	285.7	-8.24	285	-18.43	285.2	-15.48	286.1	-0.35
200	-2.54	292.2	-3.79	292.8	-2.73	293.55	-6.43	292.55	-18.37	293.25	-13.11	293.6	-0.83
205	-3.17	300.15	-2.61	300.35	-1.77	300.85	-5.41	300.15	-18.91	300.85	-11.34	301.1	-1.4
210	-3.91	308.1	-1.73	307.95	-1.25	308.95	-4.8	307.15	-19.75	308.5	-10.01	308.65	-2.08
215	-4.79	315.5	-1.13	315.45	-1.09	316.55	-4.55	315.1	-19.81	315.65	-9.14	316.25	-2.9
220	-5.85	323.2	-0.8	323.45	-1.13	324.2	-4.55	322.45	-18.32	323.6	-8.72	323.4	-3.87
225	-7.13	331.35	-0.61	330.95	-1.39	331.7	-4.62	330.85	-15.9	331.15	-8.8	331.55	-5.04
230	-8.72	338.95	-0.59	338.5	-1.76	339.2	-4.73	338.35	-14.04	338.75	-9.39	339.15	-6.48
235	-10.74	346.55	-0.67	346.35	-2.14	346.75	-4.81	345.9	-12.85	345.7	-10.4	346.3	-8.27
240	-13.47	352.75	-0.77	353.05	-2.48	353.05	-4.84	353	-12.35	353.3	-11.54	353.2	-10.63
245	-17.59	355	-0.75	355	-2.47	355	-4.83	355	-12.35	355	-11.56	355	-13.96
250	-25.84	360	-1.03	360	-2.79	360	-4.84	360	-12.17	360	-13.6	360	-19.58
255	-30.38												-39.14
260	-19.06												-21.17
265	-14.35												-14.75
270	-11.36												-11.14
275	-9.19												-8.65
280	-7.51												-6.77
285	-6.16												-5.28
290	-5.05												-4.07
295	-4.12												-3.06
300	-3.34												-2.22
305	-2.69												-1.52
310	-2.15												-0.92
315	-1.7												-0.43
320	-1.33												-0.03
325	-1.05												0.29
330	-0.84												0.54
335	-0.69												0.71
340	-0.62												0.82
345	-0.61												0.86
350	-0.67												0.83
355	-0.79												0.74
360	-0.99												0.58

2460 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-0.9	0	-0.88	0	-2.6	0	-4.57	0	-11.57	0	-14	0	-8.7	0	-2.68	0	-5.28	0	0.27
	5	-1.16	0	-0.88	0.05	-2.64	0	-4.57	0.05	-11.56	0	-14	0	-8.7	0.05	-2.7	0	-5.28	5	0.02
	10	-1.51	1.65	-0.91	3.4	-2.75	2.5	-4.59	2.9	-11.6	0.8	-14.03	1.6	-8.74	2.55	-2.86	0.15	-5.27	10	-0.3
	15	-1.93	7.4	-1.16	10.85	-3.09	10.3	-4.8	9.95	-12.06	6.15	-15.08	7.6	-12.01	9.4	-4.41	4.3	-5.89	15	-0.7
	20	-2.45	15.05	-1.63	18.35	-3.58	17.8	-5.18	18.1	-12.99	14.55	-15.95	15.25	-17.8	17.05	-6.37	11.65	-7.64	20	-1.19
	25	-3.08	22.5	-2.24	26.2	-4.24	25.35	-5.72	25.3	-14.11	22.65	-15.46	22.7	-21.92	24	-8.73	19.75	-9.61	25	-1.78
	30	-3.82	30.05	-2.96	33.95	-5.01	32.45	-6.54	32.95	-15.15	30.7	-14.61	30.2	-17.78	32	-11.54	27.2	-11.6	30	-2.49
	35	-4.71	38.05	-3.98	41.5	-5.97	40.25	-7.54	41	-15.72	38.4	-13.96	38.2	-14.8	39.2	-14.52	34.7	-13.48	35	-3.33
	40	-5.77	45.6	-5.28	49	-7.2	48.35	-8.81	48.25	-15.46	46.5	-13.71	45.8	-13.28	46.9	-16.68	42.2	-15.16	40	-4.34
	45	-7.06	53.1	-6.85	56.45	-8.54	55.85	-9.89	55.85	-14.68	54.85	-13.88	53	-12.8	54.85	-16.87	49.7	-16.72	45	-5.55
	50	-8.64	61.35	-9.16	63.9	-9.88	63.3	-10.74	63.8	-13.85	62.35	-14.4	60.45	-12.93	62.3	-15.8	57.15	-18.33	50	-7.04
	55	-10.67	69.8	-11.92	71.4	-11.2	70.8	-11.22	71.3	-13.15	70.4	-15.3	68.65	-13.43	69.55	-14.69	65.1	-20.08	55	-8.92
	60	-13.41	77.95	-13.97	79.4	-12.09	78.1	-11.35	78.9	-12.72	78.05	-16.39	76.25	-14.01	77.6	-13.79	72.2	-21.07	60	-11.4
	65	-17.55	85.5	-13.45	86.6	-12.45	86.55	-11.33	86.1	-12.59	85.6	-17.53	83.75	-14.52	85.1	-13.03	79.5	-20.46	65	-15
	70	-25.9	92.7	-11.16	94.5	-12.27	94.4	-11.37	94.05	-12.76	93.15	-18.43	91.25	-14.81	92.55	-12.44	87.75	-18.64	70	-21.4
	75	-30.03	100.25	-8.84	102.1	-11.63	103.55	-11.53	101.75	-13.38	100.85	-19.02	98.7	-14.89	100.2	-11.95	95.35	-16.97	75	-39.41
	80	-18.9	108.25	-6.84	109.25	-10.67	111.1	-11.71	108.95	-14.38	108.35	-19.39	106.7	-14.89	107.85	-11.71	102.9	-15.8	80	-19.88
	85	-14.21	115.6	-5.18	117.4	-9.51	118.75	-11.69	116.6	-15.77	116.05	-20.02	114.2	-15.01	114.85	-11.72	110.95	-15.25	85	-14.25
	90	-11.23	123.75	-3.95	125.3	-8.28	126.3	-11.26	124.25	-17.08	124	-21.48	122.2	-15.39	122.4	-11.9	118.5	-15.41	90	-10.91
	95	-9.07	130.95	-3.03	132.9	-7.24	133.85	-10.53	132.3	-17.4	131.95	-24.23	130.4	-15.95	129.9	-12.13	126	-16.33	95	-8.55
	100	-7.4	138.95	-2.31	140.45	-6.35	141.25	-9.76	140.35	-16.47	139.55	-29.67	138.05	-16.28	138.1	-11.91	133.35	-18.07	100	-6.75
	105	-6.05	146.1	-1.85	148.65	-5.86	148.75	-9.21	147.9	-15.36	147.1	-33.48	145.75	-15.65	145.75	-10.82	141.05	-20.07	105	-5.32
	110	-4.94	154.1	-1.54	156.2	-5.69	156.15	-9.04	155.45	-14.87	154.6	-25.14	153.2	-13.9	153.25	-8.91	148.65	-19.73	110	-4.15
	115	-4.02	162.35	-1.45	163.15	-5.89	163.3	-9.23	163	-15.21	162.05	-20.48	161.85	-11.63	161.2	-6.94	156.25	-16.44	115	-3.17
	120	-3.24	169.8	-1.52	171.8	-6.36	170.95	-9.67	170.6	-16.7	169.5	-17.59	168.9	-9.68	168.8	-5.17	163.75	-13.04	120	-2.36
	125	-2.59	177.85	-1.71	179	-6.78	179.1	-9.97	178.2	-19.83	177.75	-15.63	176.9	-8.01	176.3	-3.76	171.3	-10.41	125	-1.67
	130	-2.05	185.35	-2.03	186.5	-6.83	186.6	-9.71	185.4	-26.3	185.45	-14.5	185.5	-6.78	183.8	-2.67	179.05	-8.42	130	-1.1
	135	-1.6	192.85	-2.45	194	-6.51	194.1	-8.82	193.4	-31.79	193.85	-13.94	192.7	-5.91	191.3	-1.9	186.55	-6.95	135	-0.63
	140	-1.24	200.35	-2.94	202.05	-5.77	202.05	-7.77	201.1	-22.52	201.05	-13.88	200.15	-5.49	198.6	-1.41	194.2	-5.96	140	-0.24
	145	-0.95	208.3	-3.69	209.25	-5.17	209.2	-6.87	208.6	-18.82	209.7	-14.23	208.05	-5.37	206.35	-1.36	201.65	-5.39	145	0.07
	150	-0.74	215.85	-4.48	216.8	-4.84	216.95	-6.46	216.1	-17.29	216.7	-14.91	215.6	-5.71	214.35	-1.67	209.15	-5.27	150	0.3
	155	-0.6	223.85	-5.67	224.35	-5.01	224.45	-6.34	223.7	-16.98	224.2	-15.96	223.6	-6.48	222.6	-2.46	216.75	-5.62	155	0.46
	160	-0.52	231.55	-7.13	232.3	-5.79	231.8	-6.85	231.35	-17.63	232.5	-17.48	231.55	-7.88	229.9	-3.69	224.75	-6.42	160	0.56
	165	-0.52	238.65	-9.13	239.95	-7.38	239.95	-7.92	239.4	-19.02	240.05	-19.24	239.05	-10.18	237.5	-5.58	232.2	-7.97	165	0.59
	170	-0.57	246.2	-11.69	247.6	-9.82	247.2	-9.62	246.95	-20.7	247.55	-21.56	247	-13.67	245	-8.58	240.6	-10.67	170	0.55
	175	-0.7	254.6	-14.18	254.7	-12.58	255.25	-12.13	254.55	-21.83	255.1	-24.24	254.4	-21.62	253	-13.7	248.1	-14.69	175	0.44
	180	-0.9	262.1	-13.18	262.2	-12.5	263.05	-14.15	262.05	-21.49	263.25	-25.61	262.6	-26.35	260	-25.92	255.6	-18.27	180	0.27
	185	-1.16	269.55	-10.12	270.15	-9.37	270.6	-13.17	269.4	-20.15	270.25	-23.24	269.75	-15.46	267.95	-15.81	263.1	-14.39	185	0.02
	190	-1.51	277.1	-7.44	277.65	-6.44	278.1	-10.5	277.45	-18.8	277.7	-19.65	277.95	-10.29	276.4	-9.05	270.65	-9.99	190	-0.3
	195	-1.93	284.65	-5.27	285.2	-4.24	285.7	-8.08	285	-18.04	285.2	-16.43	286.1	-7.29	283.4	-5.74	278.7	-6.64	195	-0.7
	200	-2.45	292.2	-3.63	292.8	-2.77	293.55	-6.3	292.55	-17.95	293.25	-13.76	293.6	-5.26	292	-3.24	286.35	-4.58	200	-1.19
	205	-3.08	300.15	-2.45	300.35	-1.79	300.85	-5.23	300.15	-18.54	300.85	-11.79	301.1	-3.86	300.75	-1.57	293.9	-3.1	205	-1.78
	210	-3.82	308.1	-1.57	307.95	-1.23	308.95	-4.59	307.15	-19.44	308.5	-10.31	308.65	-2.92	307.9	-0.63	301.4	-2.09	210	-2.49
	215	-4.71	315.5	-0.99	315.45	-0.97	316.55	-4.37	315.1	-19.5	315.65	-9.38	316.25	-2.39	315.45	-0.05	308.85	-1.5	215	-3.33
	220	-5.77	323.2	-0.64	323.45	-1.01	324.2	-4.33	322.45	-17.83	323.6	-8.93	323.4	-2.24	322.9	0.25	316.15	-1.19	220	-4.34
	225	-7.06	331.35	-0.43	330.95	-1.23	331.7	-4.38	330.85	-15.3	331.15	-9.01	331.55	-2.54	331.25	0.18	324.35	-1.21	225	-5.55
	230	-8.64	338.95	-0.4	338.5	-1.58	339.2	-4.46	338.35	-13.43	338.75	-9.63	339.15	-3.31	339.35	-0.15	331.8	-1.48	230	-7.04
	235	-10.67	346.55	-0.46	346.35	-1.96	346.75	-4.5	345.9	-12.24	345.7	-10.73	346.3	-4.57	346.95	-0.77	339.5	-2.1	235	-8.92
	240	-13.41	352.75	-0.63	353.05	-2.3	353.05	-4.53	353	-11.72	353	-12.03	353.2	-5.99	352.9	-1.46	346.65	-2.87	240	-11.4
	245	-17.55	355	-0.58	355	-2.28	355	-4.54	355	-11.72	355	-12.03	355	-5.98	355	-1.46	352.95	-3.75	245	-15
	250	-25.9	360	-0.88	360	-2.6	360	-4.57	360	-11.57	360	-14	360	-8.7	360	-2.68	355	-3.73	250	-21.4
	255	-30.03															360	-5.28	255	-39.41
	260	-18.9																	260	-19.88
	265	-14.21																	265	-14.25
	270	-11.23																	270	-10.91
	275	-9.07																	275	-8.55
	280	-7.4																	280	-6.75
	285	-6.05																	285	-5.32
	290	-4.94																	290	-4.15
	295	-4.02																	295	-3.17
	300	-3.24																	300	-2.36
	305	-2.59																	305	-1.67
	310	-2.05																	310	-1.1
	315	-1.6																	315	-0.63
	320	-1.24																	320	-0.24
	325	-0.95																	325	0.07
	330	-0.74																	330	0.3
	335	-0.6																	335	0.46
	340	-0.52																	340	0.56
	345	-0																		

2490	Theta Ang	0	20	40	60	80	100	120	140	160	180									
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	(dB)							
0	0	-0.54	0	-0.59	0	-2.27	0	-3.99	0	-10.74	0	-15.21	0	-10.45	0	-6.07	0	-0.18		
5	0	-0.8	0	-0.59	0.05	-2.26	0	-3.99	0.05	-10.75	0	-15.21	0	-10.45	0.05	-3.23	0	-6.07	5	-0.44
10	-1.13	1.65	-0.57	3.4	-2.29	2.5	-4.01	2.9	-10.77	0.8	-15.22	1.6	-10.51	2.55	-3.34	0.15	-6.01	10	-0.78	
15	-1.55	7.4	-0.85	10.85	-2.63	10.3	-4.19	9.95	-11.27	6.15	-15.61	7.6	-13.94	9.4	-5.02	4.3	-6.44	15	-1.2	
20	-2.05	15.05	-1.28	18.35	-3.03	17.8	-4.57	18.1	-12.2	14.55	-15.09	15.25	-19.06	17.05	-7.29	11.65	-8.25	20	-1.71	
25	-2.66	22.5	-1.84	26.2	-3.56	25.35	-5.19	25.3	-13.35	22.65	-13.91	22.7	-16.86	24	-9.95	19.75	-10.01	25	-2.33	
30	-3.38	30.05	-2.61	33.95	-4.22	32.45	-5.95	32.95	-14.56	30.7	-13.07	30.2	-13.5	32	-13.42	27.2	-11.43	30	-3.06	
35	-4.24	38.05	-3.58	41.5	-5.16	40.25	-6.91	41	-15.46	38.4	-12.72	38.2	-11.71	39.2	-17.7	34.7	-12.44	35	-3.93	
40	-5.27	45.6	-4.82	49	-6.27	48.35	-8.16	48.25	-15.61	46.5	-12.87	45.8	-10.99	46.9	-22.1	42.2	-13.17	40	-4.98	
45	-6.52	53.1	-6.47	56.45	-7.52	55.85	-9.34	55.85	-15.2	54.85	-13.45	53	-11.05	54.85	-22.3	49.7	-13.99	45	-6.24	
50	-8.06	61.35	-8.79	63.9	-8.84	63.3	-10.35	63.8	-14.49	62.35	-14.36	60.45	-11.63	62.3	-19.67	57.15	-15.15	50	-7.8	
55	-10	69.8	-11.86	71.4	-10.17	70.8	-11.04	71.3	-13.8	70.4	-15.63	68.65	-12.66	69.55	-17.31	65.1	-16.64	55	-9.78	
60	-12.61	77.95	-14.57	79.4	-11.18	78.1	-11.37	78.9	-13.78	78.05	-16.95	76.25	-13.76	77.6	-25.0	72.2	-18.04	60	-12.45	
65	-16.44	85.5	-14.32	86.6	-11.68	86.55	-11.51	86.1	-13.02	85.6	-18.06	83.75	-14.7	85.1	-13.87	79.5	-18.41	65	-16.41	
70	-23.63	92.7	-11.62	94.5	-11.66	94.4	-11.59	94.05	-13.07	93.15	-18.66	91.25	-15.28	92.55	-12.62	87.75	-17.21	70	-24.08	
75	-34.24	100.25	-9.01	102.1	-11.15	103.55	-11.82	101.75	-13.52	100.85	-18.72	98.7	-15.39	100.2	-11.57	95.35	-15.57	75	-31.52	
80	-19.61	108.25	-6.74	109.25	-10.23	111.1	-11.94	108.95	-14.38	108.35	-18.68	106.7	-15.3	107.85	-10.87	102.9	-14.2	80	-18.75	
85	-14.48	115.6	-5.04	117.4	-9.06	118.75	-11.8	116.6	-15.67	116.05	-19.01	114.2	-15.25	114.85	-10.57	110.95	-13.4	85	-13.83	
90	-11.32	123.75	-3.79	125.3	-7.74	126.3	-11.19	124.25	-17.02	124	-20.14	122.2	-15.55	122.4	-10.61	118.5	-13.2	90	-10.76	
95	-9.05	130.95	-2.87	132.9	-6.57	133.85	-10.19	132.3	-17.4	131.95	-22.47	130.4	-16.37	129.9	-10.93	126	-13.67	95	-8.54	
100	-7.31	138.95	-2.04	140.45	-5.62	141.25	-9.18	140.35	-16.34	139.55	-27.46	138.05	-17.38	138.1	-11.3	133.35	-15.01	100	-6.83	
105	-5.92	146.1	-1.55	148.65	-5.04	148.75	-8.46	147.9	-14.96	147.1	-48.71	145.75	-17.69	145.75	-11.17	141.05	-17.35	105	-5.46	
110	-4.78	154.1	-1.22	156.2	-4.8	156.15	-8.16	155.45	-14.14	154.6	-28.11	153.2	-16.06	153.25	-10.04	148.65	-20.52	110	-4.33	
115	-3.83	162.35	-1.07	163.15	-4.91	163.3	-8.29	163	-14.18	162.05	-21.72	161.85	-13.17	161.2	-8.16	156.25	-20.25	115	-3.39	
120	-3.04	169.8	-1.06	171.8	-5.37	170.95	-8.76	170.6	-15.26	169.5	-18.35	168.9	-10.69	168.8	-6.28	163.75	-15.8	120	-2.61	
125	-2.37	177.85	-1.18	179	-5.86	179.1	-9.25	178.2	-17.71	177.75	-15.97	176.9	-8.57	176.3	-4.59	171.3	-12.16	125	-1.95	
130	-1.81	185.35	-1.38	186.5	-6.27	186.6	-9.19	185.4	-22.35	185.45	-14.68	185.5	-6.97	183.8	-3.27	179.05	-9.46	130	-1.4	
135	-1.35	192.85	-1.74	194	-6.17	194.1	-8.39	193.4	-29.11	193.85	-13.89	192.7	-5.93	191.3	-2.25	186.55	-7.47	135	-0.94	
140	-0.97	200.35	-2.17	202.05	-5.64	202.05	-7.31	201.1	-23.13	201.05	-13.65	200.15	-5.29	198.6	-1.58	194.2	-6.16	140	-0.57	
145	-0.67	208.3	-2.83	209.25	-5.03	209.2	-6.39	208.6	-18.8	209.7	-13.84	208.05	-4.94	206.35	-1.29	201.65	-5.39	145	-0.28	
150	-0.45	215.85	-3.61	216.8	-4.66	216.95	-5.86	216.1	-16.85	216.7	-14.34	215.6	-5.12	214.35	-1.45	209.15	-4.99	150	-0.06	
155	-0.3	223.85	-4.71	224.35	-4.77	224.45	-5.75	223.7	-16.29	224.2	-15.19	223.6	-5.8	222.6	-2.01	216.75	-5.14	155	0.09	
160	-0.21	231.55	-6.17	232.3	-5.44	231.8	-6.55	231.35	-16.76	232.5	-16.51	231.55	-7.03	229.9	-3.12	224.75	-5.74	160	0.17	
165	-0.2	238.65	-8.18	239.95	-6.9	239.95	-7.2	239.4	-18.17	240.05	-18.06	239.05	-9.18	237.5	-4.76	232.2	-7.04	165	0.18	
170	-0.24	246.2	-10.85	247.6	-9.21	247.2	-8.87	246.95	-20.28	247.55	-20.22	247	-12.39	245	-7.47	240.6	-9.33	170	0.13	
175	-0.36	254.6	-14.08	254.7	-12.19	255.25	-11.39	254.55	-22.49	255.1	-22.89	254.4	-19.4	253	-11.85	248.1	-12.52	175	0.01	
180	-0.54	262.1	-13.85	262.2	-13.19	263.05	-13.73	262.05	-23.16	263.25	-25.4	262.6	-31.23	260	-19.58	255.6	-15.43	180	-0.18	
185	-0.8	269.55	-10.55	270.15	-10.15	270.6	-13.24	269.4	-21.67	270.25	-24.16	269.75	-15.95	267.95	-15.67	263.1	-13.39	185	-0.44	
190	-1.13	277.1	-7.58	277.65	-6.94	278.1	-10.6	277.45	-19.82	277.7	-20.39	277.95	-10.31	276.4	-8.99	270.65	-9.62	190	-0.78	
195	-1.55	284.65	-5.18	285.2	-4.5	285.7	-8.1	285	-18.76	285.2	-16.8	286.1	-7.12	283.4	-5.58	278.7	-6.4	195	-1.2	
200	-2.05	292.2	-3.52	292.8	-2.88	293.55	-6.25	292.55	-18.57	293.25	-13.96	293.6	-5.07	292	-3.02	286.35	-4.37	200	-1.71	
205	-2.66	300.15	-2.19	300.35	-1.78	300.85	-5.12	300.15	-19.11	300.85	-11.92	301.1	-3.7	300.75	-1.35	293.9	-2.96	205	-2.33	
210	-3.38	308.1	-1.26	307.95	-1.15	308.95	-4.4	307.15	-19.83	308.5	-10.44	308.65	-2.68	307.9	-0.44	301.4	-2	210	-3.06	
215	-4.24	315.5	-0.65	315.45	-0.82	316.55	-4.1	315.1	-19.23	315.65	-9.54	316.25	-2.15	315.45	0.14	308.85	-1.39	215	-3.93	
220	-5.27	323.2	-0.29	323.45	-0.78	324.2	-3.94	322.45	-17.02	323.6	-9.22	323.4	-2.12	322.9	0.42	316.15	-1.16	220	-4.98	
225	-6.52	331.35	-0.07	330.95	-0.95	331.7	-3.91	330.85	-14.33	331.15	-9.48	331.55	-2.52	331.25	0.27	324.35	-1.21	225	-6.24	
230	-8.06	338.95	-0.04	338.5	-1.24	339.2	-3.97	338.35	-12.47	338.75	-10.32	339.15	-3.42	339.35	-0.14	331.8	-1.61	230	-7.8	
235	-10	346.55	-0.11	346.35	-1.64	346.75	-3.92	345.9	-11.36	345.7	-11.66	346.3	-4.85	346.95	-0.87	339.5	-2.28	235	-9.78	
240	-12.61	352.75	-0.27	353.05	-1.93	353.05	-3.95	353	-10.83	353	-13.43	353.2	-7	352.9	-1.82	346.65	-3.26	240	-12.45	
245	-16.44	355	-0.27	355	-1.95	355	-3.97	355	-10.84	355	-13.41	355	-6.97	355	-1.82	352.95	-4.32	245	-16.41	
250	-23.63	360	-0.59	360	-2.27	360	-3.99	360	-10.74	360	-15.21	360	-10.45	360	-3.28	355	-4.26	250	-24.08	
255	-34.24															360	-6.07	255	-31.52	
260	-19.61																	260	-18.75	
265	-14.48																	265	-13.83	
270	-11.32																	270	-10.76	
275	-9.05																	275	-8.54	
280	-7.31																	280	-6.83	
285	-5.92																	285	-5.46	
290	-4.78																	290	-4.33	
295	-3.83																	295	-3.39	
300	-3.04																	300	-2.61	
305	-2.37																	305	-1.95	
310	-1.81																	310	-1.4	
315	-1.35																	315	-0.94	
320	-0.97																	320	-0.57	
325	-0.67																	325	-0.28	
330	-0.45																	330	-0.06	
335	-0.3																	335	0.09	
340	-0.21																	340	0.17	
345	-0.2																	345	0.18	
350	-0.24																	350	0.13	
355	-0.36																	355	0.01	
360	-0.54																	360	-0.18	

2530	Theta Ang	0	20	40	60	80	100	120	140	160	180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response
0		-0.82	0	-0.81	0	-2.21	0	-4.25	0	-11.14	0	-11.14
5		-1.04	0	-0.81	0.05	-2.18	0	-4.25	0.05	-11.13	0	-17.25
10		-1.33	1.65	-0.81	3.4	-2.21	2.5	-4.2	2.9	-11.14	0.8	-17.24
15		-1.71	7.4	-0.96	10.85	-2.47	10.3	-4.48	9.95	-11.55	6.15	-16.77
20		-2.17	15.05	-1.34	18.35	-2.8	17.8	-4.78	18.1	-12.35	14.55	-14.33
25		-2.73	22.05	-1.82	26.2	-3.21	25.35	-5.27	25.3	-13.2	22.65	-12.47
30		-3.4	30.05	-2.41	33.95	-3.79	32.45	-5.86	32.95	-13.96	30.7	-11.49
35		-4.19	38.05	-3.21	41.5	-4.55	40.25	-6.61	41	-14.33	38.4	-11.18
40		-5.14	45.6	-4.25	49	-5.4	48.35	-7.56	48.25	-14.26	46.5	-11.45
45		-6.28	53.1	-5.61	56.45	-6.53	55.85	-8.44	55.85	-13.87	54.85	-12.26
50		-7.67	61.35	-7.61	63.9	-7.68	63.3	-9.29	63.8	-13.39	62.35	-13.43
55		-9.41	69.8	-10.42	71.4	-8.97	70.8	-10.06	71.3	-12.95	70.4	-14.92
60		-11.66	77.95	-13.9	79.4	-10.12	78.1	-10.71	78.9	-12.69	78.05	-16.36
65		-14.81	85.5	-16.62	86.6	-11.01	86.55	-11.31	86.1	-12.62	85.6	-17.24
70		-19.93	92.7	-14.76	94.5	-11.48	94.4	-12.04	94.05	-12.87	93.15	-17.23
75		-34.34	100.25	-11.36	102.1	-11.47	103.55	-12.94	101.75	-13.57	100.85	-16.76
80		-24.07	108.25	-8.4	109.25	-10.91	111.1	-13.64	108.95	-14.85	108.35	-16.27
85		-16.84	115.6	-6.21	117.4	-9.85	118.75	-13.79	116.6	-16.84	116.05	-16.14
90		-12.99	123.75	-4.71	125.3	-8.47	126.2	-12.86	124.25	-12.88	124	-16.62
95		-10.38	130.95	-3.52	132.9	-7.11	133.85	-11.26	132.3	-19.66	131.95	-17.79
100		-8.43	138.95	-2.65	140.45	-6.05	141.25	-9.7	140.35	-17.13	139.55	-19.78
105		-6.9	146.1	-2.04	148.65	-5.2	148.75	-8.57	147.9	-14.57	147.1	-22.9
110		-5.65	154.1	-1.61	156.2	-4.76	156.15	-7.98	155.45	-13.08	154.6	-25.6
115		-4.61	162.35	-1.42	163.15	-4.68	163.3	-7.96	163	-12.57	162.05	-23.61
120		-3.75	169.8	-1.39	171.8	-5.01	170.95	-8.46	170.6	-13.05	169.5	-20
125		-3.03	177.85	-1.47	179	-5.61	179.1	-9.25	178.2	-14.67	177.75	-16.98
130		-2.42	185.35	-1.68	186.5	-6.1	186.6	-9.67	185.4	-17.88	185.45	-15.1
135		-1.91	192.85	-2	194	-6.36	194.1	-9.22	193.4	-24.52	193.85	-13.91
140		-1.5	200.35	-2.37	202.05	-6.18	202.05	-8.09	201.1	-28.66	201.05	-13.31
145		-1.17	208.3	-2.93	209.25	-5.68	209.2	-6.91	208.6	-20.95	209.7	-13.12
150		-0.91	215.85	-3.57	216.8	-5.25	216.95	-6.11	216.1	-17.5	216.7	-13.34
155		-0.73	223.85	-4.56	224.35	-5.13	224.45	-5.85	223.7	-16.16	224.2	-13.9
160		-0.61	231.55	-5.75	232.3	-5.56	231.8	-6.03	231.35	-15.99	232.5	-14.87
165		-0.56	238.65	-7.47	239.95	-6.59	239.95	-6.84	239.4	-16.86	240.05	-16.12
170		-0.58	246.2	-9.82	247.6	-8.59	247.2	-8.21	246.95	-18.62	247.55	-18
175		-0.66	254.6	-13.3	254.7	-11.26	255.25	-10.33	254.55	-21.16	255.1	-20.57
180		-0.82	262.1	-15.13	262.2	-13.29	263.05	-12.55	262.05	-24.05	263.25	-24.07
185		-1.04	269.55	-12.44	270.15	-11.42	270.63	-13.17	269.4	-24.98	270.25	-25.22
190		-1.33	277.1	-9.05	277.65	-8.16	278.1	-11.33	277.45	-23.28	277.7	-21.08
195		-1.71	284.65	-6.23	285.2	-5.48	285.7	-8.96	285	-21.73	285.2	-16.98
200		-2.17	292.2	-4.28	292.8	-3.66	293.55	-7.02	292.55	-21.15	293.25	-13.85
205		-2.73	300.15	-2.83	300.35	-2.39	300.85	-5.81	300.15	-21.36	300.85	-11.78
210		-3.4	308.1	-1.74	307.95	-1.66	308.95	-4.89	307.15	-21.59	308.5	-10.36
215		-4.19	315.5	-1.02	315.45	-1.18	316.55	-4.44	315.1	-20.13	315.65	-9.62
220		-5.14	323.2	-0.62	323.45	-1.06	324.2	-4.18	322.45	-17.5	323.6	-9.48
225		-6.28	331.35	-0.38	330.95	-1.13	331.7	-4.04	330.85	-14.65	331.15	-10
230		-7.67	338.95	-0.33	338.5	-1.36	339.2	-4	338.35	-12.81	338.75	-11.3
235		-9.41	346.55	-0.38	346.35	-1.64	346.75	-4.02	345.9	-11.71	345.7	-13.27
240		-11.66	352.75	-0.53	353.05	-1.9	353.05	-4.08	353	-11.18	353.5	-16
245		-14.81	355	-0.57	355	-1.92	355	-4.04	355	-11.18	355	-16.17
250		-19.93	360	-0.81	360	-2.21	360	-4.25	360	-11.14	360	-17.25
255		-34.34										
260		-24.07										
265		-16.84										
270		-12.99										
275		-10.38										
280		-8.43										
285		-6.9										
290		-5.65										
295		-4.61										
300		-3.75										
305		-3.03										
310		-2.42										
315		-1.91										
320		-1.5										
325		-1.17										
330		-0.91										
335		-0.73										
340		-0.61										
345		-0.56										
350		-0.58										
355		-0.66										
360		-0.82										

Phi	Frequency (MHz)		2350 Theta Ang		0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-16.07	0	-10.82	0	-6.92	0	-4.18	0	-4.1	0	-3.21	0	-4.65	0	-6.24	0	-4.65	0	-6.24	0	-10.49	0	-12.23
	5	-13.26	0	-10.82	0.05	-6.9	0	-4.18	0.05	-4.14	0	-3.21	0	-4.65	0.05	-6.16	0	-4.65	0.05	-6.16	0	-10.49	5	-9.44
	10	-11.2	1.65	-10.38	3.4	-6.5	2.5	-4.33	2.9	-4.61	0.8	-3.17	1.6	-4.52	2.55	-5.18	0.15	-4.52	2.55	-5.18	0.15	-10.47	10	-7.39
	15	-9.58	7.4	-8.93	10.85	-5.58	10.3	-4.59	9.95	-5.39	6.15	-3.2	7.6	-3.87	9.4	-3.53	4.3	-3.87	9.4	-3.53	4.3	-9.56	15	-5.79
	20	-8.28	15.05	-7.58	18.35	-4.5	17.8	-4.26	18.1	-5.3	14.55	-2.94	15.25	-3.15	17.05	-2.28	11.65	-3.15	17.05	-2.28	11.65	-8.72	20	-4.49
	25	-7.2	22.5	-6.44	26.2	-3.26	25.35	-3.53	25.3	-4.42	22.65	-2.49	22.7	-2.48	24	-1.49	19.75	-2.48	24	-1.49	19.75	-8.1	25	-3.42
	30	-6.3	30.05	-5.38	33.95	-2.26	32.45	-2.64	32.95	-3.3	30.7	-2.07	30.2	-2.13	32	-0.96	27.2	-2.13	32	-0.96	27.2	-7.73	30	-2.53
	35	-5.55	38.05	-4.4	41.5	-1.35	40.25	-1.74	41	-2.38	38.4	-1.93	38.2	-1.99	39.2	-0.69	34.7	-1.99	39.2	-0.69	34.7	-7.6	35	-1.78
	40	-4.92	45.6	-3.48	49	-0.72	48.35	-1.02	48.25	-1.86	46.5	-2.01	45.8	-2.06	46.9	-0.69	42.2	-2.06	46.9	-0.69	42.2	-7.6	40	-1.15
	45	-4.39	53.1	-2.79	56.45	-0.29	55.85	-0.62	55.85	-1.57	54.85	-2.42	53	-2.32	54.85	-0.85	49.7	-2.32	54.85	-0.85	49.7	-7.67	45	-0.62
	50	-3.96	61.35	-2.14	63.9	-0.08	63.3	-0.42	63.8	-1.65	62.35	-3.03	60.45	-2.72	62.3	-1.17	57.15	-2.72	62.3	-1.17	57.15	-7.82	50	-0.19
	55	-3.61	69.8	-1.71	71.4	-0.02	70.8	-0.42	71.3	-1.89	70.4	-3.65	68.65	-3.23	69.55	-1.63	65.1	-3.23	69.55	-1.63	65.1	-8.16	55	0.16
	60	-3.34	77.95	-1.46	79.4	-0.13	78.1	-0.56	78.9	-2.23	78.05	-4.31	76.25	-3.74	77.6	-2.09	72.2	-3.74	77.6	-2.09	72.2	-8.48	60	0.43
	65	-3.14	85.5	-1.41	86.6	-0.33	86.55	-0.78	86.1	-2.66	85.6	-4.85	83.75	-4.28	85.1	-2.61	79.5	-4.28	85.1	-2.61	79.5	-8.94	65	0.63
	70	-3	92.7	-1.52	94.5	-0.68	94.4	-1.16	94.05	-3.08	93.15	-5.38	91.25	-4.76	92.55	-3.04	87.75	-4.76	92.55	-3.04	87.75	-9.28	70	0.75
	75	-2.94	100.25	-1.86	102.1	-1.16	103.55	-1.54	101.75	-3.44	100.85	-5.67	98.7	-5.11	100.2	-3.38	95.35	-5.11	100.2	-3.38	95.35	-9.55	75	0.82
	80	-2.94	108.25	-2.38	109.25	-1.77	111.1	-1.96	108.95	-3.72	108.35	-5.74	106.7	-5.4	107.85	-3.54	102.9	-5.4	107.85	-3.54	102.9	-9.63	80	0.81
	85	-3.01	115.6	-3.13	117.4	-2.5	118.75	-2.44	116.6	-3.97	116.05	-5.66	114.2	-5.46	114.85	-3.63	110.95	-5.46	114.85	-3.63	110.95	-9.55	85	0.74
	90	-3.15	123.75	-3.99	125.3	-3.44	126.3	-2.98	124.25	-4.13	124	-5.31	122.2	-5.41	122.4	-3.66	118.5	-5.41	122.4	-3.66	118.5	-9.26	90	0.6
	95	-3.36	130.95	-5.06	132.9	-4.38	133.85	-3.75	132.3	-4.32	131.95	-5.08	130.4	-5.27	129.9	-3.63	126	-5.27	129.9	-3.63	126	-8.97	95	0.39
	100	-3.64	138.95	-6.24	140.45	-5.33	141.25	-4.56	140.35	-4.56	139.55	-4.81	138.05	-5.16	138.1	-3.73	133.35	-5.16	138.1	-3.73	133.35	-8.76	100	0.11
	105	-3.99	146.1	-7.33	148.65	-5.99	148.75	-5.24	147.9	-4.87	147.1	-4.62	145.75	-5.07	145.75	-3.94	141.05	-5.07	145.75	-3.94	141.05	-8.73	105	-0.25
	110	-4.44	154.1	-8.38	156.2	-6.26	156.15	-5.81	155.45	-4.98	154.6	-4.49	153.2	-5.05	153.25	-4.46	148.65	-5.05	153.25	-4.46	148.65	-8.94	110	-0.69
	115	-4.97	162.35	-9.06	163.15	-6.3	163.3	-5.92	163	-5.04	162.05	-4.29	161.85	-5.02	161.2	-5.25	156.25	-5.02	161.2	-5.25	156.25	-9.43	115	-1.23
	120	-5.61	169.8	-9.51	171.8	-6.31	170.95	-5.63	170.6	-5.03	169.5	-4.17	168.9	-5.08	168.8	-6.22	163.75	-5.08	168.8	-6.22	163.75	-10.31	120	-1.88
	125	-6.38	177.85	-9.69	179	-6.57	179.1	-5.51	178.2	-5.17	177.75	-4.32	176.9	-5.13	176.3	-7.36	171.3	-5.13	176.3	-7.36	171.3	-11.64	125	-2.65
	130	-7.29	185.35	-9.89	186.5	-7.35	186.6	-5.68	185.4	-5.83	185.45	-5.01	185.5	-5.42	183.8	-8.24	179.05	-5.42	183.8	-8.24	179.05	-13.49	130	-3.56
	135	-8.38	192.85	-10.05	194	-8.76	194.1	-6.51	193.4	-7.19	193.85	-6.62	192.7	-6.06	191.3	-8.31	186.55	-6.06	191.3	-8.31	186.55	-15.81	135	-4.66
	140	-9.71	200.35	-10.1	202.05	-10.88	202.05	-8.35	201.1	-9.51	201.05	-9.03	200.15	-7.12	198.6	-7.32	194.2	-7.12	198.6	-7.32	194.2	-16.9	140	-6
	145	-11.36	208.3	-9.74	209.25	-12.04	209.2	-11.47	208.6	-12.16	209.7	-11.97	208.05	-8.69	206.35	-5.8	201.65	-8.69	206.35	-5.8	201.65	-15.16	145	-7.66
	150	-13.48	215.85	-9	216.8	-10.26	216.95	-14.82	216.1	-11.95	216.7	-10.78	215.6	-9.68	214.35	-4.23	209.15	-9.68	214.35	-4.23	209.15	-12.28	150	-9.79
	155	-16.38	223.85	-7.85	224.35	-7.32	224.45	-12.36	223.7	-8.86	224.2	-7.24	223.6	-9	222.6	-2.89	216.75	-9	222.6	-2.89	216.75	-9.76	155	-12.72
	160	-20.89	231.55	-6.65	232.3	-4.94	231.8	-7.96	231.35	-5.92	232.5	-4.35	231.55	-7.07	229.9	-1.88	224.75	-7.07	229.9	-1.88	224.75	-7.71	160	-17.29
	165	-30.97	238.65	-5.52	239.95	-3.25	239.95	-5.07	239.4	-3.9	240.05	-2.53	239.05	-5.24	237.5	-1.16	232.2	-5.24	237.5	-1.16	232.2	-6.33	165	-27.74
	170	-29.39	246.2	-4.69	247.6	-2.15	247.2	-3.25	246.95	-2.65	247.55	-1.46	247	-4.03	245	-0.65	240.6	-4.03	245	-0.65	240.6	-5.22	170	-25.21
	175	-20.36	254.6	-4.13	254.7	-1.56	255.25	-2.13	254.55	-1.93	255.1	-0.95	254.4	-3.28	253	-0.37	248.1	-3.28	253	-0.37	248.1	-4.62	175	-16.46
	180	-16.07	262.1	-3.85	262.2	-1.4	263.05	-1.69	262.05	-1.69	263.25	-0.89	262.6	-3.14	260	-0.33	255.6	-3.14	260	-0.33	255.6	-4.38	180	-12.23
	185	-13.26	269.55	-3.95	270.15	-1.64	270.6	-1.89	269.4	-2.03	270.25	-1.32	269.75	-3.44	267.95	-0.49	263.1	-3.44	267.95	-0.49	263.1	-4.39	185	-9.44
	190	-11.2	277.1	-4.43	277.65	-2.38	278.1	-2.61	277.45	-2.94	277.7	-2.24	277.95	-4.29	276.4	-0.89	270.65	-4.29	276.4	-0.89	270.65	-4.76	190	-7.39
	195	-9.58	284.65	-5.25	285.2	-3.64	285.7	-4.04	285	-4.45	285.2	-3.69	286.1	-5.48	283.4	-1.47	278.7	-5.48	283.4	-1.47	278.7	-5.56	195	-5.79
	200	-8.28	292.2	-6.52	292.8	-5.54	293.55	-6.4	292.55	-6.89	293.25	-5.84	293.6	-6.66	292	-2.43	286.35	-6.66	292	-2.43	286.35	-6.7	200	-4.49
	205	-7.2	300.15	-8.35	300.35	-8.26	300.85	-9.46	300.15	-10.37	300.85	-7.96	301.1	-7.44	300.75	-3.68	293.9	-7.44	300.75	-3.68	293.9	-8.27	205	-3.42
	210	-6.3	308.1	-11.07	307.95	-11.96	308.95	-12.17	307.15	-12.75	308.5	-9	308.65	-7.38	307.9	-5.01	301.4	-7.38	307.9	-5.01	301.4	-10.3	210	-2.53
	215	-5.55	315.5	-14.95	315.45	-15.84	316.55	-10.56	315.1	-9.94	315.65	-7.6	316.25	-6.63	315.45	-6.7	308.85	-6.63	315.45	-6.7	308.85	-13.03	215	-1.78
	220	-4.92	323.2	-20.2	323.45	-14.48	324.2	-7.62	322.45	-6.74	323.6	-5.6	323.4	-5.83	322.9	-8.72	316.15	-5.83	322.9	-8.72	316.15	-16.49	220	-1.15
	225	-4.39	331.35	-22.02	330.95	-11.35	331.7	-5.6	330.85	-4.5	331.15	-4.22	331.55	-5.29	331.25	-10.79	324.35	-5.29	331.25	-10.79	324.35	-18.87	225	-0.62
	230	-3.96	338.95	-17.37	338.5	-9.27	339.2	-4.48	338.35	-3.57	338.75	-3.4	339.15	-5.05	339.35	-11.07	331.8	-5.05	339.35	-11.07	331.8	-17.57	230	-0.19
	235	-3.61	346.55	-13.96	346.35	-7.95	346.75	-4.07	345.9	-3.33	345.7	-3.09	346.3	-4.91	346.95	-9.38	339.5	-4.91	346.95	-9.38	339.5	-14.95	235	0.16
	240	-3.34	352.75	-12.85	353.05	-7.67	353.05	-3.95	353	-3.43	353	-3.06	353.2	-4.92	352.9	-8.5	346.65	-4.92	352.9	-8.5	346.65	-12.74	240	0.43
	245	-3.14	355	-12.84	355	-7.6	355	-3.98	355	-3.43	355	-3.03	355	-4.91	355	-8.6	352.95	-4.91	355	-8.6	352.95	-12.12	245	0.63
	250	-3	360	-10.82	360	-6.92	360	-4.18	360	-4.1	360	-3.21	360	-4.65	360	-6.24	355	-4.65	360	-6.24	355	-12.11	250	0.75
	255	-2.94															360				360	-10.49	255	0.82
	260	-2.94</																						

2370 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-14.78	0	-10.63	0	-6.31	0	-3.98	0	-3.99	0	-2.87	0	-4.28	0	-5.9	0	-10.19	0	-12.43
	5	-12.2	0	-10.63	0.05	-6.28	0	-3.98	0.05	-4	0	-2.87	0	-4.28	0.05	-5.9	0	-10.19	5	-9.7
	10	-10.27	1.65	-10.33	3.4	-5.91	2.5	-4.1	2.9	-4.42	0.8	-2.89	1.6	-4.15	2.55	-5.07	0.15	-10.17	10	-7.68
	15	-8.75	7.4	-8.9	10.85	-5.05	10.3	-4.27	9.95	-5.11	6.15	-2.99	7.6	-3.64	9.4	-3.6	4.3	-9.47	15	-6.1
	20	-7.51	15.05	-7.62	18.35	-4.09	17.8	-4.02	18.1	-5.11	14.55	-2.95	15.25	-3.11	17.05	-2.55	11.65	-8.8	20	-4.82
	25	-6.48	22.5	-6.44	26.2	-3.07	25.35	-3.38	25.3	-4.36	22.65	-2.7	22.7	-2.75	24	-1.8	19.75	-8.36	25	-3.76
	30	-5.62	30.05	-5.33	33.95	-2.15	32.45	-2.6	32.95	-3.41	30.7	-2.62	30.2	-2.56	32	-1.37	27.2	-8.16	30	-2.88
	35	-4.9	38.05	-4.34	41.5	-1.4	40.25	-1.85	41	-2.55	38.4	-2.58	38.2	-2.59	39.2	-1.18	34.7	-8.09	35	-2.14
	40	-4.3	45.6	-3.47	49	-0.83	48.35	-1.23	48.25	-1.98	46.5	-2.86	45.8	-2.77	46.9	-1.23	42.2	-8.15	40	-1.51
	45	-3.8	53.1	-2.73	56.45	-0.44	55.85	-0.82	55.85	-1.83	54.85	-3.32	53	-3.18	54.85	-1.42	49.7	-8.34	45	-1
	50	-3.39	61.35	-2.05	63.9	-0.28	63.3	-0.66	63.8	-1.9	62.35	-3.82	60.45	-3.62	62.3	-1.83	57.15	-8.61	50	-0.57
	55	-3.06	69.8	-1.58	71.4	-0.26	70.8	-0.68	71.3	-2.11	70.4	-4.49	68.65	-4.1	69.55	-2.31	65.1	-8.92	55	-0.23
	60	-2.8	77.95	-1.37	79.4	-0.38	78.1	-0.84	78.9	-2.43	78.05	-5.03	76.25	-4.63	77.6	-2.88	72.2	-9.29	60	0.04
	65	-2.62	85.5	-1.33	86.6	-0.59	86.55	-1.08	86.1	-2.86	85.6	-5.62	83.75	-5.18	85.1	-3.42	79.5	-9.8	65	0.23
	70	-2.51	92.7	-1.45	94.5	-0.93	94.4	-1.43	94.05	-3.28	93.15	-6.11	91.25	-5.64	92.55	-3.91	87.75	-10.25	70	0.36
	75	-2.46	100.25	-1.72	102.1	-1.4	103.55	-1.87	101.75	-3.81	100.85	-6.6	98.7	-6.11	100.2	-4.3	95.35	-10.6	75	0.42
	80	-2.48	108.25	-2.22	109.25	-1.97	111.1	-2.24	108.95	-4.16	108.35	-6.81	106.7	-6.42	107.85	-4.5	102.9	-10.74	80	0.41
	85	-2.57	115.6	-2.95	117.4	-2.66	118.75	-2.69	116.6	-4.48	116.05	-6.9	114.2	-6.62	114.85	-4.66	110.95	-10.61	85	0.33
	90	-2.73	123.75	-3.81	125.3	-3.62	126.3	-3.2	124.25	-4.69	124	-6.7	122.2	-6.59	122.4	-4.63	118.5	-10.25	90	0.19
	95	-2.95	130.95	-4.84	132.9	-4.57	133.85	-3.91	132.3	-4.96	131.95	-6.4	130.4	-6.38	129.9	-4.53	126	-9.83	95	-0.02
	100	-3.25	138.95	-6.01	140.45	-5.59	141.25	-4.64	140.35	-5.11	139.55	-5.98	138.05	-6.16	138.1	-4.44	133.35	-9.48	100	-0.31
	105	-3.63	146.1	-7.18	148.65	-6.3	148.75	-5.35	147.9	-5.24	147.1	-5.56	145.75	-5.91	145.75	-4.6	141.05	-9.34	105	-0.67
	110	-4.09	154.1	-8.27	156.2	-6.63	156.15	-5.76	155.45	-5.2	154.6	-5.12	153.2	-5.72	153.25	-4.92	148.65	-9.35	110	-1.12
	115	-4.66	162.35	-8.96	163.15	-6.61	163.3	-5.83	163	-5.03	162.05	-4.62	161.85	-5.41	161.2	-5.48	156.25	-9.68	115	-1.67
	120	-5.33	169.8	-9.28	171.8	-6.46	170.95	-5.63	170.6	-4.88	169.5	-4.35	168.9	-5.26	168.8	-6.22	163.75	-10.38	120	-2.32
	125	-6.13	177.85	-9.35	179	-6.54	179.1	-5.45	178.2	-5.01	177.75	-4.31	176.9	-5.23	176.3	-7.2	171.3	-11.51	125	-3.1
	130	-7.08	185.35	-9.39	186.5	-7.17	186.6	-5.55	185.4	-5.56	185.45	-4.87	185.5	-5.42	183.8	-8.05	179.05	-13.14	130	-4.02
	135	-8.23	192.85	-9.42	194	-8.43	194.1	-6.3	193.4	-6.94	193.85	-6.42	192.7	-6.08	191.3	-8.32	186.55	-15.31	135	-5.13
	140	-9.63	200.35	-9.39	202.05	-10.35	202.05	-7.79	201.1	-9.24	201.05	-8.88	200.15	-7.12	198.6	-7.64	194.2	-16.81	140	-6.49
	145	-11.38	208.3	-9.13	209.25	-11.9	209.2	-10.39	208.6	-12.08	209.7	-12.21	208.05	-8.67	206.35	-6.26	201.65	-15.7	145	-8.17
	150	-13.67	215.85	-8.56	216.8	-10.75	216.95	-13.32	216.1	-12.34	216.7	-11.63	215.6	-9.71	214.35	-4.66	209.15	-12.94	150	-10.34
	155	-16.87	223.85	-7.6	224.35	-7.98	224.45	-12.41	223.7	-9.25	224.2	-7.95	223.6	-9.06	222.6	-3.25	216.75	-10.32	155	-13.34
	160	-22.11	231.55	-6.6	232.3	-5.45	231.8	-8.63	231.35	-6.36	232.5	-4.81	231.55	-7.18	229.9	-2.16	224.75	-8.16	160	-18.06
	165	-37.81	238.65	-5.64	239.95	-3.64	239.95	-5.7	239.4	-4.21	240.05	-2.91	239.05	-5.33	237.5	-1.34	232.2	-6.67	165	-29.45
	170	-25.55	246.2	-4.84	247.6	-2.48	247.2	-3.81	246.95	-2.92	247.55	-1.77	247	-4.06	245	-0.76	240.6	-5.42	170	-24.75
	175	-18.56	254.6	-4.26	254.7	-1.82	255.25	-2.63	254.55	-2.25	255.1	-1.2	254.4	-3.26	253	-0.42	248.1	-4.8	175	-16.54
	180	-14.78	262.1	-4.06	262.2	-1.61	263.05	-2.16	262.05	-2.03	263.25	-1.11	262.6	-3.04	260	-0.3	255.6	-4.45	180	-12.43
	185	-12.2	269.55	-4.18	270.15	-1.85	270.6	-2.28	269.4	-2.36	270.25	-1.51	269.75	-3.33	267.95	-0.43	263.1	-4.44	185	-9.7
	190	-10.27	277.1	-4.66	277.65	-2.55	278.1	-2.96	277.45	-3.31	277.7	-2.42	277.95	-4.09	276.4	-0.85	270.65	-4.8	190	-7.68
	195	-8.75	284.65	-5.49	285.2	-3.84	285.7	-4.31	285	-4.86	285.2	-3.87	286.1	-5.21	283.4	-1.42	278.7	-5.55	195	-6.1
	200	-7.51	292.2	-6.73	292.8	-5.71	293.55	-6.6	292.55	-7.37	293.25	-5.97	293.6	-6.38	292	-2.42	286.35	-6.66	200	-4.82
	205	-6.48	300.15	-8.59	300.35	-8.5	300.85	-9.58	300.15	-10.91	300.85	-8.28	301.1	-7.34	300.75	-3.73	293.9	-8.27	205	-3.76
	210	-5.62	308.1	-11.34	307.95	-12.33	308.95	-12.22	307.15	-12.94	308.5	-9.3	308.65	-7.53	307.9	-5.2	301.4	-10.34	210	-2.88
	215	-4.9	315.5	-15.31	315.45	-16.43	316.55	-10.7	315.1	-9.84	316.65	-7.97	316.25	-7.03	315.45	-7.02	308.85	-13.18	215	-2.14
	220	-4.3	323.2	-20.71	323.45	-14.6	324.2	-7.81	322.45	-6.68	323.6	-5.83	323.4	-6.26	322.9	-9.2	316.15	-16.76	220	-1.51
	225	-3.8	331.35	-21.77	330.95	-11.18	331.7	-5.77	330.85	-4.52	331.15	-4.33	331.55	-5.56	331.25	-11.21	324.35	-19.06	225	-1
	230	-3.39	338.95	-17.06	338.5	-8.96	339.2	-4.56	338.35	-3.51	338.75	-3.37	339.15	-5.13	339.35	-11.03	331.8	-17.28	230	-0.57
	235	-3.06	346.55	-13.77	346.35	-7.54	346.75	-4.05	345.9	-3.3	345.7	-2.98	346.3	-4.82	346.95	-9.1	339.5	-14.48	235	-0.23
	240	-2.8	352.75	-12.56	353.05	-7.12	353.05	-3.92	353	-3.36	353	-2.91	353.2	-4.62	352.9	-8.09	346.65	-12.35	240	0.04
	245	-2.62	355	-12.53	355	-7.13	355	-3.93	355	-3.43	355	-2.92	355	-4.65	355	-8.09	352.95	-11.64	245	0.23
	250	-2.51	360	-10.63	360	-6.31	360	-3.98	360	-3.99	360	-2.87	360	-4.28	360	-5.9	355	-11.62	250	0.36
	255	-2.46															360	-10.19	255	0.42
	260	-2.48																	260	0.41
	265	-2.57																	265	0.33
	270	-2.73																	270	0.19
	275	-2.95																	275	-0.02
	280	-3.25																	280	-0.31
	285	-3.63																	285	-0.67
	290	-4.09																	290	-1.12
	295	-4.66																	295	-1.67
	300	-5.33																	300	-2.32
	305	-6.13																	305	-3.1
	310	-7.08																	310	-4.02
	315	-8.23																	315	-5.13
	320	-9.63																	320	-6.49
	325	-11.38																	325	-8.17
	330	-13.67																	330	-10.34
	335	-16.87																	335	-13.34
	340	-22.11																	340	-18.06
	345	-37.81																	345	-29.45
	350	-25.55					</													

2380 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-14.02	0	-10.22	0	-5.63	0	-3.48	0	-3.5	0	-2.35	0	-3.69	0	-5.39	0	-9.78	0	-12.18
	5	-11.51	0	-10.22	0.05	-5.61	0	-3.48	0.05	-3.48	0	-2.35	0	-3.69	0.05	-5.37	0	-9.78	5	-9.46
	10	-9.62	1.65	-9.97	3.4	-5.24	2.5	-3.53	2.9	-3.8	0.8	-2.35	1.6	-3.61	2.55	-4.7	0.15	-9.77	10	-7.45
	15	-8.12	7.4	-8.53	10.85	-4.42	10.3	-3.67	9.95	-4.5	6.15	-2.5	7.6	-3.18	9.4	-3.32	4.3	-9.18	15	-5.87
	20	-6.9	15.05	-7.28	18.35	-3.55	17.8	-3.46	18.1	-4.58	14.55	-2.55	15.25	-2.76	17.05	-2.31	11.65	-8.58	20	-4.59
	25	-5.89	22.5	-6	26.2	-2.61	25.35	-2.94	25.3	-3.95	22.65	-2.55	22.7	-2.53	24	-1.65	19.75	-8.24	25	-3.54
	30	-5.05	30.05	-4.91	33.95	-1.77	32.45	-2.23	32.95	-3.04	30.7	-2.48	30.2	-2.47	32	-1.25	27.2	-8.08	30	-2.66
	35	-4.34	38.05	-3.9	41.5	-1.02	40.25	-1.54	41	-2.25	38.4	-2.6	38.2	-2.58	39.2	-1.12	34.7	-8.15	35	-1.92
	40	-3.74	45.6	-3.02	49	-0.51	48.35	-0.93	48.25	-1.7	46.5	-2.9	45.8	-2.88	46.9	-1.21	42.2	-8.27	40	-1.3
	45	-3.25	53.1	-2.27	56.45	-0.16	55.85	-0.57	55.85	-1.53	54.85	-3.34	53	-3.22	54.85	-1.48	49.7	-8.5	45	-0.78
	50	-2.84	61.35	-1.62	63.9	-0.02	63.3	-0.4	63.8	-1.55	62.35	-3.82	60.45	-3.65	62.3	-1.88	57.15	-8.82	50	-0.35
	55	-2.52	69.8	-1.19	71.4	0.02	70.8	-0.44	71.3	-1.74	70.4	-4.38	68.65	-4.15	69.55	-2.39	65.1	-9.21	55	-0.01
	60	-2.27	77.95	-0.89	79.4	-0.09	78.1	-0.58	78.9	-2.09	78.05	-4.89	76.25	-4.58	77.6	-2.93	72.2	-9.65	60	0.25
	65	-2.09	85.5	-0.89	86.6	-0.34	86.55	-0.83	86.1	-2.5	85.6	-5.35	83.75	-5.09	85.1	-3.55	79.5	-10.16	65	0.45
	70	-1.99	92.7	-1.04	94.5	-0.66	94.4	-1.19	94.05	-2.96	93.15	-5.86	91.25	-5.55	92.55	-4.08	87.75	-10.7	70	0.57
	75	-1.95	100.25	-1.27	102.1	-1.1	103.55	-1.6	101.75	-3.43	100.85	-6.41	98.7	-6	100.2	-4.5	95.35	-11.1	75	0.63
	80	-1.97	108.25	-1.75	109.25	-1.66	111.1	-2.02	108.95	-3.86	108.35	-6.79	106.7	-6.43	107.85	-4.67	102.9	-11.27	80	0.62
	85	-2.06	115.6	-2.47	117.4	-2.36	118.75	-2.46	116.6	-4.24	116.05	-6.96	114.2	-6.62	114.85	-4.73	110.95	-11.09	85	0.54
	90	-2.22	123.75	-3.31	125.3	-3.26	126.3	-2.95	124.25	-4.53	124	-6.91	122.2	-6.69	122.4	-4.74	118.5	-10.64	90	0.4
	95	-2.45	130.95	-4.28	132.9	-4.2	133.85	-3.66	132.3	-4.81	131.95	-6.64	130.4	-6.55	129.9	-4.57	126	-10.08	95	0.18
	100	-2.76	138.95	-5.5	140.45	-5.24	141.25	-4.35	140.35	-5.02	139.55	-6.21	138.05	-6.27	138.1	-4.48	133.35	-9.6	100	-0.1
	105	-3.14	146.1	-6.69	148.65	-6.02	148.75	-4.96	147.9	-5.06	147.1	-5.67	145.75	-5.92	145.75	-4.47	141.05	-9.29	105	-0.47
	110	-3.62	154.1	-7.84	156.2	-6.37	156.15	-5.36	155.45	-4.96	154.6	-5.07	153.2	-5.61	153.25	-4.75	148.65	-9.26	110	-0.92
	115	-4.19	162.35	-8.6	163.15	-6.3	163.3	-5.38	163	-4.68	162.05	-4.48	161.85	-5.29	161.2	-5.22	156.25	-9.51	115	-1.47
	120	-4.87	169.8	-8.9	171.8	-6.14	170.95	-5.21	170.6	-4.44	169.5	-4.08	168.9	-5.03	168.8	-5.97	163.75	-10.17	120	-2.12
	125	-5.68	177.85	-8.92	179	-6.19	179.1	-5.02	178.2	-4.49	177.75	-3.94	176.9	-4.92	176.3	-6.87	171.3	-11.24	125	-2.9
	130	-6.65	185.35	-8.83	186.5	-6.72	186.6	-5.09	185.4	-5.03	185.45	-4.42	185.5	-5.07	183.8	-7.71	179.05	-12.87	130	-3.83
	135	-7.81	192.85	-8.74	194	-7.84	194.1	-5.79	193.4	-6.37	193.85	-5.85	192.7	-5.7	191.3	-8.06	186.55	-15.07	135	-4.94
	140	-9.24	200.35	-8.62	202.05	-9.64	202.05	-7.23	201.1	-8.69	201.05	-8.28	200.15	-6.74	198.6	-7.41	194.2	-16.74	140	-6.3
	145	-11.02	208.3	-8.33	209.25	-11.25	209.2	-9.56	208.6	-11.67	209.7	-11.84	208.05	-8.3	206.35	-6.09	201.65	-15.7	145	-7.99
	150	-13.36	215.85	-7.82	216.8	-10.47	216.95	-12.18	216.1	-12.14	216.7	-11.68	215.6	-9.37	214.35	-4.47	209.15	-12.82	150	-10.17
	155	-16.66	223.85	-6.98	224.35	-7.83	224.45	-11.72	223.7	-9.05	224.2	-7.88	223.6	-8.75	222.6	-3	216.75	-10.14	155	-13.18
	160	-22.18	231.55	-6.07	232.3	-5.31	231.8	-8.39	231.35	-6.06	232.5	-4.63	231.55	-6.86	229.9	-1.86	224.75	-7.95	160	-17.94
	165	-41.75	238.65	-5.22	239.95	-3.44	239.95	-5.45	239.4	-3.95	240.05	-2.65	239.05	-4.95	237.5	-1.04	232.2	-6.33	165	-29.59
	170	-24.22	246.2	-4.54	247.6	-2.25	247.2	-3.67	246.95	-2.65	247.55	-1.49	247	-3.66	245	-0.4	240.6	-5.15	170	-24.34
	175	-17.67	254.6	-3.98	254.7	-1.54	255.25	-2.44	254.55	-1.9	255.1	-0.88	254.4	-2.85	253	-0.05	248.1	-4.44	175	-16.25
	180	-14.02	262.1	-3.75	262.2	-1.35	263.05	-1.93	262.05	-1.73	263.25	-0.8	262.6	-2.64	260	0.08	255.6	-4.07	180	-12.18
	185	-11.51	269.55	-3.93	270.15	-1.55	270.6	-2.01	269.4	-2.05	270.25	-1.2	269.75	-2.88	267.95	-0.04	263.1	-4.06	185	-9.46
	190	-9.62	277.1	-4.32	277.65	-2.24	278.1	-2.66	277.45	-3.01	277.7	-2.07	277.95	-3.62	276.4	-0.41	270.65	-4.4	190	-7.45
	195	-8.12	284.65	-5.17	285.2	-3.49	285.7	-3.98	285	-4.59	285.2	-3.5	286.1	-4.66	283.4	-1.02	278.7	-5.17	195	-5.87
	200	-6.9	292.2	-6.42	292.8	-5.41	293.55	-6.21	292.55	-7.2	293.25	-5.66	293.6	-5.93	292	-1.98	286.35	-6.33	200	-4.59
	205	-5.89	300.15	-8.31	300.35	-8.15	300.85	-9.11	300.15	-10.62	300.85	-7.96	301.1	-6.97	300.75	-3.35	293.9	-7.85	205	-3.54
	210	-5.05	308.1	-11.06	307.95	-12.01	308.95	-11.7	307.15	-12.47	308.5	-9.01	308.65	-7.26	307.9	-4.87	301.4	-9.94	210	-2.66
	215	-4.34	315.5	-14.98	315.45	-16.06	316.55	-10.33	315.1	-9.35	315.65	-7.72	316.25	-6.81	315.45	-6.79	308.85	-12.81	215	-1.92
	220	-3.74	323.2	-19.98	323.45	-14.06	324.2	-7.49	322.45	-6.23	323.6	-5.55	323.4	-6.05	322.9	-9.01	316.15	-16.39	220	-1.3
	225	-3.25	331.35	-20.71	330.95	-10.63	331.7	-5.4	330.85	-4.08	331.15	-3.96	331.55	-5.25	331.25	-10.91	324.35	-18.61	225	-0.78
	230	-2.84	338.95	-16.45	338.5	-8.38	339.2	-4.15	338.35	-3.07	338.75	-2.91	339.15	-4.71	339.35	-10.52	331.8	-16.7	230	-0.35
	235	-2.52	346.55	-13.35	346.35	-6.95	346.75	-3.58	345.9	-2.82	345.7	-2.44	346.3	-4.31	346.95	-8.56	339.5	-13.95	235	-0.01
	240	-2.27	352.75	-12.09	353.05	-6.46	353.05	-3.43	353	-2.91	353	-2.36	353.2	-4.05	352.9	-7.5	346.65	-11.86	240	0.25
	245	-2.09	355	-12.07	355	-6.46	355	-3.47	355	-2.89	355	-2.39	355	-4.07	355	-7.49	352.95	-11.12	245	0.45
	250	-1.99	360	-10.22	360	-5.63	360	-3.48	360	-3.5	360	-2.35	360	-3.69	360	-5.39	355	-11.12	250	0.57
	255	-1.95															360	-9.78	255	0.63
	260	-1.97																	260	0.62
	265	-2.06																	265	0.54
	270	-2.22																	270	0.4
	275	-2.45																	275	0.18
	280	-2.76																	280	-0.1
	285	-3.14																	285	-0.47
	290	-3.62																	290	-0.92
	295	-4.19																	295	-1.47
	300	-4.87																	300	-2.12
	305	-5.68																	305	-2.9
	310	-6.65																	310	-3.83
	315	-7.81																	315	-4.94
	320	-9.24																	320	-6.3
	325	-11.02																	325	-7.99
	330	-13.36																	330	-10.17
	335	-16.66																	335	-13.18
	340	-22.18																	340	-17.94
	345	-41.75																	345	-29.59
	350	-24.22				</														

2400 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-12.7	0	-9.66	0	-4.55	0	-2.69	0	-2.71	0	-1.65	0	-3.01	0	-4.8	0	-9.4	0	-11.51
	5	-10.35	0	-9.66	0.05	-4.55	0	-2.69	0.05	-2.75	0	-1.65	0	-3.01	0.05	-4.78	0	-9.4	5	-8.97
	10	-8.55	1.65	-9.5	3.4	-4.16	2.5	-2.72	2.9	-3.06	0.8	-1.66	1.6	-2.92	2.55	-4.28	0.15	-9.4	10	-7.06
	15	-7.11	7.4	-7.98	10.85	-3.46	10.3	-2.86	9.95	-3.77	6.15	-1.9	7.6	-2.65	9.4	-3.01	4.3	-8.96	15	-5.55
	20	-5.94	15.05	-6.53	18.35	-2.78	17.8	-2.82	18.1	-4.01	14.55	-2.23	15.25	-2.45	17.05	-2.11	11.65	-8.51	20	-4.33
	25	-4.97	22.5	-5.29	26.2	-1.98	25.35	-2.46	25.3	-3.52	22.65	-2.43	22.7	-2.42	24	-1.52	19.75	-8.35	25	-3.31
	30	-4.15	30.05	-4.15	33.95	-1.26	32.45	-1.94	32.95	-2.65	30.7	-2.61	30.2	-2.5	32	-1.23	27.2	-8.36	30	-2.46
	35	-3.47	38.05	-3.15	41.5	-0.66	40.25	-1.29	41	-1.78	38.4	-2.79	38.2	-2.73	39.2	-1.18	34.7	-8.57	35	-1.75
	40	-2.9	45.6	-2.25	49	-0.2	48.35	-0.7	48.25	-1.27	46.5	-3.09	45.8	-3.14	46.9	-1.35	42.2	-8.86	40	-1.15
	45	-2.42	53.1	-1.54	56.45	0.13	55.85	-0.36	55.85	-1.06	54.85	-3.43	53	-3.48	54.85	-1.68	49.7	-9.16	45	-0.65
	50	-2.03	61.35	-0.93	63.9	0.28	63.3	-0.17	63.8	-1.04	62.35	-3.76	60.45	-3.84	62.3	-2.12	57.15	-9.49	50	-0.24
	55	-1.73	69.8	-0.48	71.4	0.31	70.8	-0.18	71.3	-1.21	70.4	-4.07	68.65	-4.21	69.55	-2.64	65.1	-9.87	55	0.08
	60	-1.49	77.95	-0.29	79.4	0.23	78.1	-0.29	78.9	-1.52	78.05	-4.37	76.25	-4.55	77.6	-3.22	72.2	-10.3	60	0.33
	65	-1.33	85.5	-0.24	86.6	0.02	86.55	-0.53	86.1	-1.91	85.6	-4.72	83.75	-4.93	85.1	-3.84	79.5	-10.87	65	0.51
	70	-1.24	92.7	-0.37	94.5	-0.29	94.4	-0.86	94.05	-2.36	93.15	-5.21	91.25	-5.39	92.55	-4.42	87.75	-11.62	70	0.62
	75	-1.21	100.25	-0.61	102.1	-0.72	103.55	-1.26	101.75	-2.86	100.85	-5.83	98.7	-5.86	100.2	-4.89	95.35	-12.36	75	0.66
	80	-1.25	108.25	-1.06	109.25	-1.26	111.1	-1.65	108.95	-3.34	108.35	-6.47	106.7	-6.41	107.85	-5.22	102.9	-12.89	80	0.64
	85	-1.36	115.6	-1.71	117.4	-1.93	118.75	-2.12	116.6	-3.81	116.05	-6.99	114.2	-6.73	114.85	-5.33	110.95	-12.86	85	0.55
	90	-1.53	123.75	-2.5	125.3	-2.81	126.3	-2.66	124.25	-4.26	124	-7.21	122.2	-6.98	122.4	-5.26	118.5	-12.19	90	0.39
	95	-1.78	130.95	-3.47	132.9	-3.75	133.85	-3.34	132.3	-4.58	131.95	-7.11	130.4	-6.88	129.9	-4.95	126	-11.24	95	0.16
	100	-2.1	138.95	-4.64	140.45	-4.78	141.25	-4	140.35	-4.97	139.55	-6.68	138.05	-6.56	138.1	-4.65	133.35	-10.29	100	-0.14
	105	-2.5	146.1	-5.79	148.65	-5.59	148.75	-4.63	147.9	-5.03	147.1	-6.06	145.75	-6.06	145.75	-4.45	141.05	-9.6	105	-0.52
	110	-2.99	154.1	-7	156.2	-5.95	156.15	-4.93	155.45	-4.81	154.6	-5.25	153.2	-5.54	153.25	-4.49	148.65	-9.22	110	-0.99
	115	-3.58	162.35	-7.87	163.15	-5.84	163.3	-4.89	163	-4.4	162.05	-4.4	161.85	-5.01	161.2	-4.84	156.25	-9.22	115	-1.56
	120	-4.29	169.8	-8.27	171.8	-5.63	170.95	-4.63	170.6	-3.96	169.5	-3.8	168.9	-4.74	168.8	-5.39	163.75	-9.66	120	-2.23
	125	-5.13	177.85	-8.27	179	-5.57	179.1	-4.43	178.2	-3.8	177.75	-3.5	176.9	-4.52	176.3	-6.23	171.3	-10.57	125	-3.04
	130	-6.14	185.35	-8.07	186.5	-5.96	186.6	-4.46	185.4	-4.22	185.45	-3.81	185.5	-4.69	183.8	-7.19	179.05	-12.13	130	-4.01
	135	-7.35	192.85	-7.77	194	-6.94	194.1	-5.1	193.4	-5.46	193.85	-5.12	192.7	-5.29	191.3	-7.8	186.55	-14.52	135	-5.16
	140	-8.84	200.35	-7.42	202.05	-8.52	202.05	-6.41	201.1	-7.73	201.05	-7.37	200.15	-6.3	198.6	-7.49	194.2	-17.05	140	-6.58
	145	-10.72	208.3	-6.96	209.25	-10.12	209.2	-8.41	208.6	-10.93	209.7	-11.13	208.05	-7.84	206.35	-6.14	201.65	-16.73	145	-8.35
	150	-13.21	215.85	-6.4	216.8	-9.87	216.95	-10.54	216.1	-12.24	216.7	-12.02	215.6	-8.95	214.35	-4.4	209.15	-13.39	150	-10.67
	155	-16.81	223.85	-5.7	224.35	-7.6	224.45	-10.4	223.7	-9.12	224.2	-8.22	223.6	-8.39	222.6	-2.82	216.75	-10.28	155	-13.93
	160	-23.22	231.55	-4.92	232.3	-5.14	231.8	-7.65	231.35	-5.92	232.5	-4.63	231.55	-6.48	229.9	-1.6	224.75	-7.81	160	-19.33
	165	-41.21	238.65	-4.25	239.95	-3.26	239.95	-5.02	239.4	-3.69	240.05	-2.59	239.05	-4.57	237.5	-0.67	232.2	-6.1	165	-37.08
	170	-21.66	246.2	-3.67	247.6	-1.95	247.2	-3.25	246.95	-2.3	247.55	-1.27	247	-3.24	245	0.03	240.6	-4.74	170	-21.92
	175	-16.04	254.6	-3.2	254.7	-1.21	255.25	-2.05	254.55	-1.56	255.1	-0.6	254.4	-2.39	253	0.44	248.1	-3.98	175	-15.21
	180	-12.7	262.1	-3.1	262.2	-0.97	263.05	-1.54	262.05	-1.36	263.25	-0.48	262.6	-2.1	260	0.59	255.6	-3.57	180	-11.51
	185	-10.35	269.55	-3.26	270.15	-1.14	270.6	-1.55	269.4	-1.7	270.25	-0.81	269.75	-2.31	267.95	0.51	263.1	-3.58	185	-8.97
	190	-8.55	277.1	-3.69	277.65	-1.81	278.1	-2.12	277.45	-2.64	277.7	-1.68	277.95	-2.98	276.4	0.14	270.65	-3.82	190	-7.06
	195	-7.11	284.65	-4.51	285.2	-2.96	285.7	-3.36	285	-4.26	285.2	-3.12	286.1	-4.06	283.4	-0.45	278.7	-4.58	195	-5.55
	200	-5.94	292.2	-5.74	292.8	-4.82	293.55	-5.45	292.55	-6.83	293.25	-5.39	293.6	-5.27	292	-1.44	286.35	-5.68	200	-4.33
	205	-4.97	300.15	-7.54	300.35	-7.46	300.85	-8.17	300.15	-10.19	300.85	-7.78	301.1	-6.39	300.75	-2.86	293.9	-7.24	205	-3.31
	210	-4.15	308.1	-10.11	307.95	-11.21	308.95	-10.87	307.15	-11.78	308.5	-8.91	308.65	-6.84	307.9	-4.4	301.4	-9.31	210	-2.46
	215	-3.47	315.5	-13.62	315.45	-15.1	316.55	-9.96	315.1	-8.66	315.65	-7.37	316.25	-6.49	315.45	-6.39	308.85	-12.13	215	-1.75
	220	-2.9	323.2	-17.76	323.45	-13.32	324.2	-7.19	322.45	-5.57	323.6	-4.97	323.4	-5.61	322.9	-8.63	316.15	-15.62	220	-1.15
	225	-2.42	331.35	-19.29	330.95	-9.89	331.7	-4.95	330.85	-3.39	331.15	-3.25	331.55	-4.72	331.25	-10.41	324.35	-17.68	225	-0.65
	230	-2.03	338.95	-16.03	338.5	-7.52	339.2	-3.61	338.35	-2.39	338.75	-2.21	339.15	-4.05	339.35	-9.85	331.8	-15.89	230	-0.24
	235	-1.73	346.55	-13.08	346.35	-6.03	346.75	-2.92	345.9	-2.06	345.7	-1.67	346.3	-3.57	346.95	-7.92	339.5	-13.28	235	0.08
	240	-1.49	352.75	-11.61	353.05	-5.42	353.05	-2.7	353	-2.16	353	-1.58	353.2	-3.32	352.9	-6.74	346.65	-11.34	240	0.33
	245	-1.33	355	-11.6	355	-5.42	355	-2.7	355	-2.16	355	-1.56	355	-3.33	355	-6.74	352.95	-10.55	245	0.51
	250	-1.24	360	-9.66	360	-4.55	360	-2.69	360	-2.71	360	-1.65	360	-3.01	360	-4.8	355	-10.54	250	0.62
	255	-1.21															360	-9.4	255	0.66
	260	-1.25																	260	0.64
	265	-1.36																	265	0.55
	270	-1.53																	270	0.39
	275	-1.78																	275	0.16
	280	-2.1																	280	-0.14
	285	-2.5																	285	-0.52
	290	-2.99																	290	-0.99
	295	-3.58																	295	-1.56
	300	-4.29																	300	-2.23
	305	-5.13																	305	-3.04
	310	-6.14																	310	-4.01
	315	-7.35																	315	-5.16
	320	-8.84																	320	-6.58
	325	-10.72																	325	-8.35
	330	-13.21																	330	-10.67
	335	-16.81																	335	-13.93
	340	-23.22																	340	-19.33
	345	-41.21																	345	-37.08
	350	-21.66																		

2430 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-11.64	0	-9.19	0	-3.73	0	-2.19	0	-2.42	0	-1.32	0	-2.46	0	-4.15	0	-9.05	0	-11.07
	5	-9.46	0	-9.19	0.05	-3.79	0	-2.19	0.05	-2.41	0	-1.32	0	-2.46	0.05	-4.18	0	-9.05	5	-8.61
	10	-7.77	1.65	-9.12	3.4	-3.54	2.5	-2.23	2.9	-2.64	0.8	-1.3	1.6	-2.45	2.55	-3.87	0.15	-9.04	10	-6.74
	15	-6.41	7.4	-7.67	10.85	-3.09	10.3	-2.49	9.95	-3.36	6.15	-1.62	7.6	-2.37	9.4	-2.76	4.3	-8.77	15	-5.27
	20	-5.3	15.05	-6.25	18.35	-2.55	17.8	-2.65	18.1	-3.63	14.55	-2.22	15.25	-2.39	17.05	-2	11.65	-8.48	20	-4.06
	25	-4.37	22.5	-4.89	26.2	-1.89	25.35	-2.45	25.3	-3.12	22.65	-2.75	22.7	-2.58	24	-1.57	19.75	-8.52	25	-3.06
	30	-3.59	30.05	-3.67	33.95	-1.28	32.45	-1.95	32.95	-2.27	30.7	-3.15	30.2	-2.96	32	-1.37	27.2	-8.76	30	-2.23
	35	-2.94	38.05	-2.63	41.5	-0.7	40.25	-1.32	41	-1.48	38.4	-3.42	38.2	-3.39	39.2	-1.34	34.7	-9.03	35	-1.52
	40	-2.39	45.6	-1.73	49	-0.24	48.35	-0.76	48.25	-0.96	46.5	-3.61	45.8	-3.72	46.9	-1.45	42.2	-9.27	40	-0.94
	45	-1.94	53.1	-1	56.45	0.08	55.85	-0.42	55.85	-0.66	54.85	-3.6	53	-3.92	54.85	-1.71	49.7	-9.38	45	-0.45
	50	-1.57	61.35	-0.4	63.9	0.28	63.3	-0.26	63.8	-0.62	62.35	-3.52	60.45	-3.96	62.3	-2.11	57.15	-9.36	50	-0.05
	55	-1.29	69.8	0.01	71.4	0.38	70.8	-0.28	71.3	-0.78	70.4	-3.37	68.65	-3.95	69.55	-2.52	65.1	-9.33	55	0.27
	60	-1.07	77.95	0.19	79.4	0.34	78.1	-0.39	78.9	-0.99	78.05	-3.29	76.25	-3.99	77.6	-3.02	72.2	-9.41	60	0.51
	65	-0.93	85.5	0.27	86.6	0.22	86.55	-0.6	86.1	-1.3	85.6	-3.4	83.75	-4.08	85.1	-3.55	79.5	-9.67	65	0.68
	70	-0.85	92.7	0.14	94.5	-0.01	94.4	-0.92	94.05	-1.72	93.15	-3.73	91.25	-4.41	92.55	-4.14	87.75	-10.29	70	0.79
	75	-0.84	100.25	-0.15	102.1	-0.32	103.55	-1.29	101.75	-2.19	100.85	-4.25	98.7	-4.82	100.2	-4.79	95.35	-11.18	75	0.82
	80	-0.9	108.25	-0.6	109.25	-0.8	111.1	-1.63	108.95	-2.72	108.35	-5.05	106.7	-5.49	107.85	-5.33	102.9	-12.29	80	0.79
	85	-1.02	115.6	-1.25	117.4	-1.45	118.75	-2.04	116.6	-3.27	116.05	-5.95	114.2	-6.21	114.85	-5.77	110.95	-13.29	85	0.7
	90	-1.22	123.75	-2.01	125.3	-2.27	126.3	-2.54	124.25	-3.83	124	-6.93	122.2	-6.92	122.4	-5.92	118.5	-13.49	90	0.53
	95	-1.48	130.95	-2.97	132.9	-3.3	133.85	-3.11	132.3	-4.45	131.95	-7.67	130.4	-7.39	129.9	-5.76	126	-12.74	95	0.3
	100	-1.82	138.95	-4.1	140.45	-4.49	141.25	-3.81	140.35	-4.95	139.55	-7.81	138.05	-7.4	138.1	-5.41	133.35	-11.44	100	-0.01
	105	-2.25	146.1	-5.31	148.65	-5.54	148.75	-4.49	147.9	-5.18	147.1	-7.22	145.75	-6.85	145.75	-4.93	141.05	-10.27	105	-0.4
	110	-2.76	154.1	-6.48	156.2	-6.13	156.15	-4.87	155.45	-4.88	154.6	-6.09	153.2	-6.05	153.25	-4.59	148.65	-9.41	110	-0.88
	115	-3.39	162.35	-7.38	163.15	-6.11	163.3	-4.92	163	-4.35	162.05	-4.82	161.85	-5.15	161.2	-4.51	156.25	-8.98	115	-1.46
	120	-4.12	169.8	-7.74	171.8	-5.64	170.95	-4.57	170.6	-3.75	169.5	-3.85	168.9	-4.48	168.8	-4.77	163.75	-9	120	-2.15
	125	-5.01	177.85	-7.68	179	-5.32	179.1	-4.24	178.2	-3.4	177.75	-3.24	176.9	-4.07	176.3	-5.37	171.3	-9.52	125	-2.97
	130	-6.06	185.35	-7.38	186.5	-5.38	186.6	-4.2	185.4	-3.65	185.45	-3.38	185.5	-4.19	183.8	-6.19	179.05	-10.7	130	-3.95
	135	-7.34	192.85	-6.97	194	-6.04	194.1	-4.62	193.4	-4.6	193.85	-4.51	192.7	-4.74	191.3	-7.07	186.55	-12.73	135	-5.13
	140	-8.92	200.35	-6.57	202.05	-7.33	202.05	-5.7	201.1	-6.62	201.05	-6.57	200.15	-5.86	198.6	-7.31	194.2	-15.54	140	-6.57
	145	-10.93	208.3	-6.1	209.25	-9.02	209.2	-7.42	208.6	-9.78	209.7	-10.36	208.05	-7.54	206.35	-6.4	201.65	-17.42	145	-8.39
	150	-13.64	215.85	-5.45	216.8	-9.61	216.95	-9.23	216.1	-12.21	216.7	-12.43	215.6	-8.74	214.35	-4.68	209.15	-14.73	150	-10.77
	155	-17.72	223.85	-4.8	224.35	-7.84	224.45	-9.34	223.7	-9.73	224.2	-8.78	223.6	-8.05	222.6	-2.88	216.75	-11.06	155	-14.16
	160	-25.81	231.55	-4.06	232.3	-5.39	231.8	-7.21	231.35	-6.32	232.5	-4.89	231.55	-5.99	229.9	-1.44	224.75	-8.18	160	-19.92
	165	-31.06	238.65	-3.39	239.95	-3.36	239.95	-4.76	239.4	-3.87	240.05	-2.62	239.05	-3.94	237.5	-0.36	232.2	-6.18	165	-39.18
	170	-19.41	246.2	-2.87	247.6	-1.9	247.2	-2.96	246.95	-2.4	247.55	-1.24	247	-2.57	245	0.48	240.6	-4.64	170	-20.84
	175	-14.65	254.6	-2.5	254.7	-1.03	255.25	-1.72	254.55	-1.6	255.1	-0.5	254.4	-1.66	253	1	248.1	-3.7	175	-14.61
	180	-11.64	262.1	-2.36	262.2	-0.69	263.05	-1.15	262.05	-1.38	263.25	-0.36	262.6	-1.31	260	1.22	255.6	-3.23	180	-11.07
	185	-9.46	269.55	-2.55	270.15	-0.78	270.6	-1.11	269.4	-1.7	270.25	-0.67	269.75	-1.45	267.95	1.19	263.1	-3.12	185	-8.61
	190	-7.77	277.1	-2.96	277.65	-1.32	278.1	-1.61	277.45	-2.64	277.7	-1.55	277.95	-2.06	276.4	0.87	270.65	-3.34	190	-6.74
	195	-6.41	284.65	-3.77	285.2	-2.45	285.7	-2.73	285	-4.26	285.2	-2.97	286.1	-3.01	283.4	0.31	278.7	-4.05	195	-5.27
	200	-5.3	292.2	-4.97	292.8	-4.17	293.55	-4.81	292.55	-6.67	293.25	-5.12	293.6	-4.21	292	-0.72	286.35	-5.04	200	-4.06
	205	-4.37	300.15	-6.75	300.35	-6.85	300.85	-7.44	300.15	-9.67	300.85	-7.42	301.1	-5.4	300.75	-2.17	293.9	-6.58	205	-3.06
	210	-3.59	308.1	-9.13	307.95	-10.48	308.95	-10.35	307.15	-10.38	308.5	-8.34	308.65	-6.18	307.9	-3.82	301.4	-8.6	210	-2.23
	215	-2.94	315.5	-12.3	315.45	-14.27	316.55	-9.72	315.1	-7.43	315.65	-6.7	316.25	-6.22	315.45	-6.06	308.85	-11.41	215	-1.52
	220	-2.39	323.2	-15.91	323.45	-12.41	324.2	-6.9	322.45	-4.68	323.6	-4.42	323.4	-5.58	322.9	-8.59	316.15	-14.98	220	-0.94
	225	-1.94	331.35	-17.64	330.95	-8.94	331.7	-4.51	330.85	-2.73	331.15	-2.78	331.55	-4.6	331.25	-10.53	324.35	-17.34	225	-0.45
	230	-1.57	338.95	-15.37	338.5	-6.56	339.2	-3.04	338.35	-1.75	338.75	-1.68	339.15	-3.8	339.35	-9.55	331.8	-15.6	230	-0.05
	235	-1.29	346.55	-12.75	346.35	-5.1	346.75	-2.32	345.9	-1.53	345.7	-1.21	346.3	-3.17	346.95	-7.41	339.5	-12.88	235	0.27
	240	-1.07	352.75	-11.11	353.05	-4.43	353.05	-2.11	353	-1.71	353	-1.1	353.2	-2.84	352.9	-6	346.65	-10.95	240	0.51
	245	-0.93	355	-11.08	355	-4.43	355	-2.11	355	-1.74	355	-1.11	355	-2.79	355	-6	352.95	-10.02	245	0.68
	250	-0.85	360	-9.19	360	-3.73	360	-2.19	360	-2.42	360	-1.32	360	-2.46	360	-4.15	355	-10.02	250	0.79
	255	-0.84														360	-9.05		255	0.82
	260	-0.9																	260	0.79
	265	-1.02																	265	0.7
	270	-1.22																	270	0.53
	275	-1.48																	275	0.3
	280	-1.82																	280	-0.01
	285	-2.25																	285	-0.4
	290	-2.76																	290	-0.88
	295	-3.39																	295	-1.46
	300	-4.12																	300	-2.15
	305	-5.01																	305	-2.97
	310	-6.06																	310	-3.95
	315	-7.34																	315	-5.13
	320	-8.92																	320	-6.57
	325	-10.93																	325	-8.39
	330	-13.64																	330	-10.77
	335	-17.72																	335	-14.16
	340	-25.81																	340	-19.92
	345	-31.06																	345	-39.18
	350	-19.41																	350	-20.84
	355																			

2450 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-11.33	0	-8.96	0	-3.48	0	-1.85	0	-2.08	0	-1.05	0	-2.23	0	-4.11	0	-9.28	0	-11.16
	5	-9.16	0	-8.96	0.05	-3.45	0	-1.85	0.05	-2.09	0	-1.05	0	-2.23	0.05	-4.1	0	-9.28	5	-8.7
	10	-7.48	1.65	-8.93	3.4	-3.3	2.5	-1.91	2.9	-2.25	0.8	-1.08	1.6	-2.2	2.55	-3.94	0.15	-9.29	10	-6.84
	15	-6.13	7.4	-7.37	10.85	-2.78	10.3	-2.14	9.95	-2.97	6.15	-1.44	7.6	-2.3	9.4	-2.99	4.3	-9.13	15	-5.36
	20	-5.02	15.05	-5.71	18.35	-2.33	17.8	-2.33	18.1	-3.33	14.55	-2.31	15.25	-2.59	17.05	-2.39	11.65	-9.06	20	-4.16
	25	-4.09	22.5	-4.29	26.2	-1.8	25.35	-2.28	25.3	-3.03	22.65	-3.18	22.7	-3.07	24	-1.96	19.75	-9.32	25	-3.16
	30	-3.32	30.05	-3.01	33.95	-1.28	32.45	-1.95	32.95	-2.27	30.7	-3.76	30.2	-3.65	32	-1.78	27.2	-9.74	30	-2.32
	35	-2.66	38.05	-2	41.5	-0.77	40.25	-1.45	41	-1.49	38.4	-4.02	38.2	-4.01	39.2	-1.75	34.7	-10.12	35	-1.62
	40	-2.12	45.6	-1.14	49	-0.41	48.35	-0.98	48.25	-0.93	46.5	-3.83	45.8	-4.22	46.9	-1.81	42.2	-10.28	40	-1.03
	45	-1.67	53.1	-0.46	56.45	-0.08	55.85	-0.63	55.85	-0.55	54.85	-3.42	53	-4.12	54.85	-1.99	49.7	-10.15	45	-0.55
	50	-1.31	61.35	0.08	63.9	0.06	63.3	-0.45	63.8	-0.43	62.35	-2.93	60.45	-3.84	62.3	-2.25	57.15	-9.8	50	-0.15
	55	-1.02	69.8	0.45	71.4	0.18	70.8	-0.4	71.3	-0.42	70.4	-2.48	68.65	-3.51	69.55	-2.51	65.1	-9.44	55	0.17
	60	-0.81	77.95	0.59	79.4	0.14	78.1	-0.5	78.9	-0.55	78.05	-2.29	76.25	-3.36	77.6	-2.9	72.2	-9.24	60	0.41
	65	-0.67	85.5	0.58	86.6	0.08	86.55	-0.64	86.1	-0.79	85.6	-2.24	83.75	-3.29	85.1	-3.34	79.5	-9.29	65	0.59
	70	-0.59	92.7	0.44	94.5	-0.06	94.4	-0.95	94.05	-1.14	93.15	-2.46	91.25	-3.43	92.55	-3.87	87.75	-9.72	70	0.69
	75	-0.58	100.25	0.18	102.1	-0.29	103.55	-1.33	101.75	-1.62	100.85	-2.88	98.7	-3.77	100.2	-4.42	95.35	-10.51	75	0.73
	80	-0.64	108.25	-0.3	109.25	-0.63	111.1	-1.68	108.95	-2.1	108.35	-3.6	106.7	-4.42	107.85	-5.17	102.9	-11.69	80	0.7
	85	-0.77	115.6	-0.89	117.4	-1.16	118.75	-2.09	116.6	-2.7	116.05	-4.59	114.2	-5.25	114.85	-5.78	110.95	-13.16	85	0.6
	90	-0.96	123.75	-1.63	125.3	-1.92	126.3	-2.6	124.25	-3.43	124	-5.83	122.2	-6.23	122.4	-6.27	118.5	-14.27	90	0.44
	95	-1.23	130.95	-2.56	132.9	-2.78	133.85	-3.17	132.3	-4.29	131.95	-7.09	130.4	-7.19	129.9	-6.41	126	-14.19	95	0.2
	100	-1.57	138.95	-3.71	140.45	-3.91	141.25	-3.81	140.35	-4.99	139.55	-7.99	138.05	-7.69	138.1	-6.11	133.35	-12.94	100	-0.11
	105	-2	146.1	-4.91	148.65	-5.15	148.75	-4.37	147.9	-5.34	147.1	-7.93	145.75	-7.47	145.75	-5.55	141.05	-11.46	105	-0.5
	110	-2.52	154.1	-6.22	156.2	-5.81	156.15	-4.71	155.45	-4.96	154.6	-6.66	153.2	-6.55	153.25	-5.01	148.65	-10.24	110	-0.98
	115	-3.14	162.35	-7.29	163.15	-5.99	163.3	-4.66	163	-4.19	162.05	-5.14	161.85	-5.36	161.2	-4.64	156.25	-9.48	115	-1.55
	120	-3.88	169.8	-7.76	171.8	-5.62	170.95	-4.33	170.6	-3.4	169.5	-3.85	168.9	-4.45	168.8	-4.63	163.75	-9.2	120	-2.24
	125	-4.77	177.85	-7.65	179	-5.3	179.1	-4.04	178.2	-2.93	177.75	-3	176.9	-3.77	176.3	-4.92	171.3	-9.45	125	-3.06
	130	-5.82	185.35	-7.19	186.5	-5.21	186.6	-4.04	185.4	-3.11	185.45	-2.96	185.5	-3.66	183.8	-5.54	179.05	-10.34	130	-4.04
	135	-7.11	192.85	-6.59	194	-5.65	194.1	-4.53	193.4	-4.01	193.85	-3.86	192.7	-4.2	191.3	-6.37	186.55	-12.05	135	-5.22
	140	-8.69	200.35	-5.89	202.05	-6.7	202.05	-5.54	201.1	-5.99	201.05	-5.88	200.15	-5.3	198.6	-6.86	194.2	-14.61	140	-6.67
	145	-10.71	208.3	-5.25	209.25	-8.06	209.2	-7.05	208.6	-9.26	209.7	-9.83	208.05	-7.13	206.35	-6.46	201.65	-17.25	145	-8.48
	150	-13.45	215.85	-4.65	216.8	-8.68	216.95	-8.52	216.1	-12.2	216.7	-13.14	215.6	-8.79	214.35	-4.96	209.15	-15.87	150	-10.87
	155	-17.56	223.85	-3.96	224.35	-7.44	224.45	-8.5	223.7	-9.95	224.2	-9.43	223.6	-8.45	222.6	-3.24	216.75	-12.11	155	-14.26
	160	-25.81	231.55	-3.29	232.3	-5.24	231.8	-6.57	231.35	-6.3	232.5	-5.17	231.55	-6.21	229.9	-1.76	224.75	-8.95	160	-20.02
	165	-30.35	238.65	-2.69	239.95	-3.27	239.95	-4.34	239.4	-3.83	240.05	-2.7	239.05	-3.96	237.5	-0.58	232.2	-6.67	165	-39.27
	170	-19.03	246.2	-2.23	247.6	-1.84	247.2	-2.67	246.95	-2.33	247.55	-1.17	247	-2.39	245	0.33	240.6	-5.02	170	-20.94
	175	-14.32	254.6	-1.9	254.7	-0.92	255.25	-1.46	254.55	-1.52	255.1	-0.42	254.4	-1.41	253	0.9	248.1	-4.06	175	-14.71
	180	-11.33	262.1	-1.82	262.2	-0.51	263.05	-0.9	262.05	-1.31	263.25	-0.2	262.6	-0.98	260	1.22	255.6	-3.52	180	-11.16
	185	-9.16	269.55	-2.03	270.15	-0.54	270.6	-0.8	269.4	-1.52	270.25	-0.51	269.75	-1.01	267.95	1.24	263.1	-3.32	185	-8.7
	190	-7.48	277.1	-2.45	277.65	-1.01	278.1	-1.26	277.45	-2.4	277.7	-1.28	277.95	-1.57	276.4	0.96	270.65	-3.54	190	-6.84
	195	-6.13	284.65	-3.27	285.2	-2.07	285.7	-2.31	285	-3.86	285.2	-2.67	286.1	-2.51	283.4	0.39	278.7	-4.12	195	-5.36
	200	-5.02	292.2	-4.38	292.8	-3.75	293.55	-4.19	292.55	-6	293.25	-4.72	293.6	-3.73	292	-0.64	286.35	-5.15	200	-4.16
	205	-4.09	300.15	-6	300.35	-6.19	300.85	-6.72	300.15	-8.57	300.85	-7.03	301.1	-5.16	300.75	-2.12	293.9	-6.59	205	-3.16
	210	-3.32	308.1	-8.24	307.95	-9.66	308.95	-9.71	307.15	-9.39	308.5	-8.19	308.65	-6.23	307.9	-3.86	301.4	-8.55	210	-2.32
	215	-2.66	315.5	-11.11	315.45	-13.54	316.55	-9.73	315.1	-7.12	315.65	-6.81	316.25	-6.48	315.45	-6.09	308.85	-11.28	215	-1.62
	220	-2.12	323.2	-14.43	323.45	-12.45	324.2	-7.04	322.45	-4.64	323.6	-4.42	323.4	-5.77	322.9	-8.61	316.15	-14.66	220	-1.03
	225	-1.67	331.35	-17	330.95	-9.02	331.7	-4.6	330.85	-2.69	331.15	-2.63	331.55	-4.59	331.25	-10.15	324.35	-16.86	225	-0.55
	230	-1.31	338.95	-15.78	338.5	-6.49	339.2	-3.07	338.35	-1.69	338.75	-1.47	339.15	-3.57	339.35	-9	331.8	-15.29	230	-0.15
	235	-1.02	346.55	-13.15	346.35	-4.98	346.75	-2.22	345.9	-1.39	345.7	-0.9	346.3	-2.83	346.95	-7.04	339.5	-12.76	235	0.17
	240	-0.81	352.75	-11.18	353.05	-4.17	353.05	-1.88	353	-1.47	353	-0.81	353.2	-2.44	352.9	-5.61	346.65	-10.97	240	0.41
	245	-0.67	355	-11.16	355	-4.22	355	-1.92	355	-1.48	355	-0.78	355	-2.44	355	-5.65	352.95	-10.05	245	0.59
	250	-0.59	360	-8.96	360	-3.48	360	-1.85	360	-2.08	360	-1.05	360	-2.23	360	-4.11	355	-10.05	250	0.69
	255	-0.58															360	-9.28	255	0.73
	260	-0.64																	260	0.7
	265	-0.77																	265	0.6
	270	-0.96																	270	0.44
	275	-1.23																	275	0.2
	280	-1.57																	280	-0.11
	285	-2																	285	-0.5
	290	-2.52																	290	-0.98
	295	-3.14																	295	-1.55
	300	-3.88																	300	-2.24
	305	-4.77																	305	-3.06
	310	-5.82																	310	-4.04
	315	-7.11																	315	-5.22
	320	-8.69																	320	-6.67
	325	-10.71																	325	-8.48
	330	-13.45																	330	-10.87
	335	-17.56																	335	-14.26
	340	-25.81																	340	-20.02
	345	-30.35																	345	-39.27
	350	-19.03																	350	-20.94
	355	-14.32		</																

2480 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-11.3	0	-8.14	0	-2.93	0	-1.5	0	-1.85	0	-1.14	0	-2.34	0	-4.24	0	-9.67	0	-10.68
	5	-9.1	0	-8.14	0.05	-2.94	0	-1.5	0.05	-1.83	0	-1.14	0	-2.34	0.05	-4.29	0	-9.67	5	-8.49
	10	-7.41	1.65	-8.12	3.4	-2.86	2.5	-1.47	2.9	-1.94	0.8	-1.14	1.6	-2.31	2.55	-4.19	0.15	-9.68	10	-6.79
	15	-6.05	7.4	-6.68	10.85	-2.58	10.3	-1.89	9.95	-2.79	6.15	-1.65	7.6	-2.55	9.4	-3.33	4.3	-9.6	15	-5.43
	20	-4.93	15.05	-5.01	18.35	-2.3	17.8	-2.41	18.1	-3.35	14.55	-2.83	15.25	-3.07	17.05	-2.68	11.65	-9.7	20	-4.31
	25	-4	22.5	-3.61	26.2	-2.03	25.35	-2.71	25.3	-3.07	22.65	-3.92	22.7	-3.72	24	-2.34	19.75	-10.16	25	-3.38
	30	-3.21	30.05	-2.43	33.95	-1.68	32.45	-2.53	32.95	-2.25	30.7	-4.41	30.2	-4.32	32	-2.12	27.2	-10.74	30	-2.6
	35	-2.56	38.05	-1.46	41.5	-1.26	40.25	-2.01	41	-1.33	38.4	-4.13	38.2	-4.67	39.2	-2.02	34.7	-11.12	35	-1.94
	40	-2.01	45.6	-0.67	49	-0.82	48.35	-1.33	48.25	-0.66	46.5	-3.45	45.8	-4.55	46.9	-2	42.2	-10.96	40	-1.39
	45	-1.56	53.1	-0.05	56.45	-0.41	55.85	-0.8	55.85	-0.23	54.85	-2.62	53	-4.14	54.85	-2.04	49.7	-10.3	45	-0.94
	50	-1.19	61.35	0.42	63.9	-0.09	63.3	-0.46	63.8	-0.06	62.35	-1.94	60.45	-3.55	62.3	-2.13	57.15	-9.41	50	-0.57
	55	-0.9	69.8	0.72	71.4	0.15	70.8	-0.26	71.3	-0.02	70.4	-1.45	68.65	-2.93	69.55	-2.22	65.1	-8.61	55	-0.29
	60	-0.69	77.95	0.82	79.4	0.3	78.1	-0.24	78.9	-0.13	78.05	-1.13	76.25	-2.55	77.6	-2.31	72.2	-8.06	60	-0.07
	65	-0.54	85.5	0.8	86.6	0.33	86.55	-0.33	86.1	-0.32	85.6	-1.06	83.75	-2.32	85.1	-2.56	79.5	-7.82	65	0.07
	70	-0.46	92.7	0.59	94.5	0.25	94.4	-0.58	94.05	-0.58	93.15	-1.21	91.25	-2.35	92.55	-2.87	87.75	-7.96	70	0.15
	75	-0.45	100.25	0.34	102.1	0.09	103.55	-0.91	101.75	-0.95	100.85	-1.56	98.7	-2.58	100.2	-3.35	95.35	-8.48	75	0.16
	80	-0.51	108.25	-0.11	109.25	-0.22	111.1	-1.25	108.95	-1.37	108.35	-2.2	106.7	-3.03	107.85	-4.01	102.9	-9.43	80	0.11
	85	-0.63	115.6	-0.72	117.4	-0.67	118.75	-1.71	116.6	-1.95	116.05	-3.06	114.2	-3.74	114.85	-4.78	110.95	-10.86	85	-0.01
	90	-0.82	123.75	-1.45	125.3	-1.37	126.3	-2.28	124.25	-2.66	124	-4.25	122.2	-4.83	122.4	-5.69	118.5	-12.52	90	-0.21
	95	-1.09	130.95	-2.28	132.9	-2.22	133.85	-3.04	132.3	-3.6	131.95	-5.63	130.4	-6.1	129.9	-6.4	126	-13.87	95	-0.47
	100	-1.43	138.95	-3.41	140.45	-3.38	141.25	-3.92	140.35	-4.71	139.55	-7.19	138.05	-7.25	138.1	-6.61	133.35	-13.93	100	-0.81
	105	-1.85	146.1	-4.48	148.65	-4.53	148.75	-4.73	147.9	-5.56	147.1	-8.14	145.75	-7.85	145.75	-6.37	141.05	-12.74	105	-1.23
	110	-2.36	154.1	-5.83	156.2	-5.32	156.15	-5.1	155.45	-5.63	154.6	-7.72	153.2	-7.43	153.25	-5.68	148.65	-11.24	110	-1.75
	115	-2.98	162.35	-6.94	163.15	-5.6	163.3	-4.83	163	-4.71	162.05	-6.09	161.85	-6.09	161.2	-5.02	156.25	-10.06	115	-2.37
	120	-3.72	169.8	-7.62	171.8	-5.35	170.95	-4.26	170.6	-3.49	169.5	-4.43	168.9	-4.78	168.8	-4.66	163.75	-9.39	120	-3.1
	125	-4.6	177.85	-7.76	179	-4.93	179.1	-3.71	178.2	-2.6	177.75	-3.04	176.9	-3.83	176.3	-4.62	171.3	-9.27	125	-3.98
	130	-5.65	185.35	-7.37	186.5	-4.82	186.6	-3.58	185.4	-2.37	185.45	-2.67	185.5	-3.46	183.8	-4.91	179.05	-9.79	130	-5.03
	135	-6.92	192.85	-6.67	194	-5.2	194.1	-4.01	193.4	-2.98	193.85	-3.22	192.7	-3.7	191.3	-5.49	186.55	-11.09	135	-6.31
	140	-8.49	200.35	-5.9	202.05	-6.08	202.05	-5.01	201.1	-4.63	201.05	-4.82	200.15	-4.57	198.6	-6.11	194.2	-13.24	140	-7.88
	145	-10.5	208.3	-4.95	209.25	-7.35	209.2	-6.58	208.6	-7.64	209.7	-8.24	208.05	-6.24	206.35	-6.05	201.65	-16.11	145	-9.88
	150	-13.19	215.85	-4.16	216.8	-8.1	216.95	-8.09	216.1	-11.66	216.7	-12.79	215.6	-8.02	214.35	-4.99	209.15	-16.55	150	-12.57
	155	-17.23	223.85	-3.3	224.35	-7.21	224.45	-8.05	223.7	-11.26	224.2	-11.34	223.6	-8.38	222.6	-3.45	216.75	-13.07	155	-16.61
	160	-25.16	231.55	-2.57	232.3	-5.22	231.8	-6.17	231.35	-7.25	232.5	-6.31	231.55	-6.52	229.9	-1.93	224.75	-9.63	160	-24.53
	165	-31.18	238.65	-1.97	239.95	-3.23	239.95	-3.93	239.4	-4.22	240.05	-3.45	239.05	-4.1	237.5	-0.7	232.2	-7.16	165	-30.58
	170	-19.15	246.2	-1.56	247.6	-1.71	247.2	-2.25	246.95	-2.47	247.55	-1.7	247	-2.52	245	0.33	240.6	-5.28	170	-18.54
	175	-14.33	254.6	-1.24	254.7	-0.76	255.25	-1.04	254.55	-1.51	255.1	-0.77	254.4	-1.39	253	0.98	248.1	-4.15	175	-13.72
	180	-11.3	262.1	-1.15	262.2	-0.23	263.05	-0.4	262.05	-1.13	263.25	-0.44	262.6	-0.83	260	1.34	255.6	-3.49	180	-10.68
	185	-9.1	269.55	-1.38	270.15	-0.19	270.6	-0.27	269.4	-1.31	270.25	-0.69	269.75	-0.87	267.95	1.43	263.1	-3.21	185	-8.49
	190	-7.41	277.1	-1.77	277.65	-0.61	278.1	-0.7	277.45	-2.04	277.7	-1.4	277.95	-1.28	276.4	1.22	270.65	-3.25	190	-6.79
	195	-6.05	284.65	-2.52	285.2	-1.58	285.7	-1.7	285	-3.41	285.2	-2.78	286.1	-2.19	283.4	0.7	278.7	-3.77	195	-5.43
	200	-4.93	292.2	-3.63	292.8	-3.2	293.55	-3.56	292.55	-5.35	293.25	-4.86	293.6	-3.41	292	-0.26	286.35	-4.64	200	-4.31
	205	-4	300.15	-5.13	300.35	-5.51	300.85	-6.1	300.15	-7.74	300.85	-7.08	301.1	-4.84	300.75	-1.68	293.9	-5.95	205	-3.38
	210	-3.21	308.1	-7.16	307.95	-9.02	308.95	-9.72	307.15	-8.92	308.5	-8.14	308.65	-6.06	307.9	-3.35	301.4	-7.72	210	-2.6
	215	-2.56	315.5	-9.83	315.45	-13.59	316.55	-10.7	315.1	-7.11	315.65	-6.58	316.25	-6.4	315.45	-5.58	308.85	-10.23	215	-1.94
	220	-2.01	323.2	-13.12	323.45	-13.13	324.2	-7.64	322.45	-4.66	323.6	-4.05	323.4	-5.68	322.9	-8.05	316.15	-13.53	220	-1.39
	225	-1.56	331.35	-16.73	330.95	-9.1	331.7	-4.75	330.85	-2.61	331.15	-2.33	331.55	-4.47	331.25	-9.97	324.35	-16.37	225	-0.94
	230	-1.19	338.95	-16.48	338.5	-6.31	339.2	-2.87	338.35	-1.46	338.75	-1.16	339.15	-3.49	339.35	-9.22	331.8	-15.69	230	-0.57
	235	-0.9	346.55	-13.39	346.35	-4.53	346.75	-1.89	345.9	-1.07	345.7	-0.64	346.3	-2.71	346.95	-7.31	339.5	-13.21	235	-0.29
	240	-0.69	352.75	-10.68	353.05	-3.58	353.05	-1.46	353	-1.16	353	-0.64	353.2	-2.34	352.9	-5.7	346.65	-11.37	240	-0.07
	245	-0.54	355	-10.66	355	-3.56	355	-1.44	355	-1.16	355	-0.63	355	-2.37	355	-5.75	352.95	-10.3	245	0.07
	250	-0.46	360	-8.14	360	-2.93	360	-1.5	360	-1.85	360	-1.14	360	-2.34	360	-4.24	355	-10.29	250	0.15
	255	-0.45															360	-9.67	255	0.16
	260	-0.51																	260	0.11
	265	-0.63																	265	-0.01
	270	-0.82																	270	-0.21
	275	-1.09																	275	-0.47
	280	-1.43																	280	-0.81
	285	-1.85																	285	-1.23
	290	-2.36																	290	-1.75
	295	-2.98																	295	-2.37
	300	-3.72																	300	-3.1
	305	-4.6																	305	-3.98
	310	-5.65																	310	-5.03
	315	-6.92																	315	-6.31
	320	-8.49																	320	-7.88
	325	-10.5																	325	-9.88
	330	-13.19																	330	-12.57
	335	-17.23																	335	-16.61
	340	-25.16																	340	-24.53
	345	-31.18																	345	-30.58
	350	-19.15																	350	-18.54
	355	-14.33																		

2510	Theta Ang	0	20	40	60	80	100	120	140	160	180												
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Response (dB)												
0	-12.3	0	-8.25	0	-3.44	0	-1.99	0	-2.05	0	-1.44	0	-2.53	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response
5	-9.82	0	-8.25	0.05	-3.45	0	-1.99	0.05	-2.06	0	-1.44	0	-2.53	0.05	-4.54	0	-10.22	5	-9.33				
10	-7.95	1.65	-8.23	3.4	-3.41	2.5	-1.98	2.9	-2.09	0.8	-1.46	1.6	-2.61	2.55	-4.5	0.15	-10.21	10	-7.56				
15	-6.46	7.4	-7	10.85	-3.22	10.3	-2.46	9.95	-2.72	6.15	-1.88	7.6	-2.81	9.4	-3.89	4.3	-10.25	15	-6.15				
20	-5.25	15.05	-5.27	18.35	-3.11	17.8	-3.09	18.1	-3.23	14.55	-3.27	15.25	-3.65	17.05	-3.51	11.65	-10.84	20	-4.99				
25	-4.25	22.5	-3.81	26.2	-2.76	25.35	-3.45	25.3	-3.09	22.65	-4.61	22.7	-4.7	24	-3.26	19.75	-11.91	25	-4.03				
30	-3.41	30.05	-2.57	33.95	-2.32	32.45	-3.33	32.95	-2.41	30.7	-5.18	30.2	-5.61	32	-3.08	27.2	-13.03	30	-3.23				
35	-2.71	38.05	-1.58	41.5	-1.82	40.25	-2.82	41	-1.64	38.4	-4.62	38.2	-5.86	39.2	-2.97	34.7	-13.31	35	-2.55				
40	-2.12	45.6	-0.71	49	-1.27	48.35	-2.12	48.25	-0.98	46.5	-3.46	45.8	-5.32	46.9	-2.72	42.2	-12.26	40	-1.99				
45	-1.62	53.1	-0.08	56.45	-0.74	55.85	-1.49	55.85	-0.51	54.85	-2.22	53	-4.31	54.85	-2.52	49.7	-10.64	45	-1.52				
50	-1.22	61.35	0.45	63.9	-0.37	63.3	-1.12	63.8	-0.28	62.35	-1.31	60.45	-3.35	62.3	-2.29	57.15	-9.09	50	-1.14				
55	-0.9	69.8	0.77	71.4	-0.04	70.8	-0.86	71.3	-0.15	70.4	-0.62	68.65	-2.52	69.55	-2.16	65.1	-7.91	55	-0.83				
60	-0.66	77.95	0.9	79.4	0.17	78.1	-0.76	78.9	-0.11	78.05	-0.25	76.25	-1.9	77.6	-2.09	72.2	-7.19	60	-0.61				
65	-0.49	85.5	0.86	86.6	0.31	86.55	-0.8	86.1	-0.23	85.6	-0.12	83.75	-1.66	85.1	-2.15	79.5	-6.85	65	-0.45				
70	-0.38	92.7	0.67	94.5	0.35	94.4	-0.92	94.05	-0.4	93.15	-0.18	91.25	-1.56	92.55	-2.3	87.75	-6.9	70	-0.36				
75	-0.34	100.25	0.37	102.1	0.22	103.55	-1.14	101.75	-0.68	100.85	-0.55	98.7	-1.7	100.2	-2.72	95.35	-7.35	75	-0.34				
80	-0.37	108.25	-0.11	109.25	0.01	111.1	-1.41	108.95	-1.09	108.35	-1.13	106.7	-2.06	107.85	-3.26	102.9	-8.9	80	-0.38				
85	-0.47	115.6	-0.73	117.4	-0.37	118.75	-1.79	116.6	-1.65	116.05	-1.99	114.2	-2.72	114.85	-4.05	110.95	-9.5	85	-0.49				
90	-0.63	123.75	-1.51	125.3	-0.97	126.3	-2.3	124.25	-2.34	124	-3.16	122.2	-3.69	122.4	-5.07	118.5	-11.17	90	-0.67				
95	-0.86	130.95	-2.46	132.9	-1.79	133.85	-3.01	132.3	-3.32	131.95	-4.59	130.4	-5.03	129.9	-6.13	126	-12.92	95	-0.92				
100	-1.17	138.95	-3.58	140.45	-2.88	141.25	-3.89	140.35	-4.51	139.55	-6.47	138.05	-6.59	138.1	-7.03	133.35	-14.11	100	-1.25				
105	-1.56	146.1	-4.86	148.65	-4.17	148.75	-4.85	147.9	-5.67	147.1	-8.07	145.75	-8.1	145.75	-7.3	141.05	-13.8	105	-1.66				
110	-2.04	154.1	-6.29	156.2	-5.36	156.15	-5.59	155.45	-6.14	154.6	-8.35	153.2	-8.34	153.25	-6.9	148.65	-12.45	110	-2.16				
115	-2.61	162.35	-7.59	163.15	-6	163.3	-5.67	163	-5.37	162.05	-6.82	161.85	-6.98	161.2	-6.08	156.25	-11.08	115	-2.75				
120	-3.3	169.8	-8.36	171.8	-5.95	170.95	-5.14	170.6	-4.08	169.5	-4.99	168.9	-5.38	168.8	-5.39	163.75	-10.1	120	-3.47				
125	-4.11	177.85	-8.45	179	-5.44	179.1	-4.49	178.2	-3.05	177.75	-3.36	176.9	-4.11	176.3	-4.99	171.3	-9.69	125	-4.32				
130	-5.09	185.35	-8	186.5	-5.02	186.6	-4.18	185.4	-2.56	185.45	-2.76	185.5	-3.51	183.8	-4.97	179.05	-9.87	130	-5.34				
135	-6.27	192.85	-7.21	194	-5.07	194.1	-4.34	193.4	-2.91	193.85	-3.1	192.7	-3.56	191.3	-5.26	186.55	-10.76	135	-6.57				
140	-7.7	200.35	-6.33	202.05	-5.59	202.05	-5.12	201.1	-4.24	201.05	-4.41	200.15	-4.44	198.6	-5.79	194.2	-12.5	140	-8.08				
145	-9.51	208.3	-5.35	209.25	-6.56	209.2	-6.5	208.6	-6.75	209.7	-7.5	208.05	-6.14	206.35	-6.05	201.65	-15.11	145	-9.99				
150	-11.88	215.85	-4.48	216.8	-7.37	216.95	-7.85	216.1	-10.35	216.7	-11.98	215.6	-8.19	214.35	-5.45	209.15	-17.08	150	-12.54				
155	-15.24	223.85	-3.51	224.35	-7.09	224.45	-7.98	223.7	-11.46	224.2	-12.42	223.6	-8.84	222.6	-4.08	216.75	-14.7	155	-16.26				
160	-20.92	231.55	-2.79	232.3	-5.56	231.8	-6.34	231.35	-8	232.5	-7.36	231.55	-6.82	229.7	-2.53	224.75	-11.05	160	-23.04				
165	-40.34	238.65	-2.16	239.95	-3.74	239.95	-4.2	239.4	-4.91	240.05	-4.14	239.05	-4.2	237.5	-1.23	232.2	-8.22	165	-37.46				
170	-22.2	246.2	-1.65	247.6	-2.21	247.2	-2.58	246.95	-2.98	247.55	-2.15	247	-2.38	245	-0.05	240.6	-6	170	-20.25				
175	-15.87	254.6	-1.3	254.7	-1.25	255.25	-1.38	254.55	-1.88	255.1	-1.11	254.4	-1.11	253	0.73	248.1	-4.67	175	-14.88				
180	-12.3	262.1	-1.22	262.2	-0.63	263.05	-0.72	262.05	-1.4	263.25	-0.65	262.6	-0.52	260	1.18	255.6	-3.94	180	-11.64				
185	-9.82	269.55	-1.35	270.15	-0.53	270.6	-0.58	269.4	-1.46	270.25	-0.77	269.75	-0.41	267.95	1.35	263.1	-3.54	185	-9.33				
190	-7.95	277.1	-1.71	277.65	-0.94	278.1	-0.98	277.45	-2.02	277.7	-1.3	277.95	-0.79	276.4	1.18	270.65	-3.52	190	-7.56				
195	-6.46	284.65	-2.35	285.2	-1.89	285.7	-1.95	285	-3.16	285.2	-2.46	286.1	-1.64	283.4	0.69	278.7	-3.94	195	-6.15				
200	-5.25	292.2	-3.36	292.8	-3.43	293.55	-3.8	292.55	-4.8	293.25	-4.2	293.6	-2.88	292	-0.28	286.35	-4.78	200	-4.99				
205	-4.25	300.15	-4.79	300.35	-5.86	300.85	-6.38	300.15	-6.79	300.85	-6.21	301.1	-4.5	300.75	-1.81	293.9	-6.19	205	-4.03				
210	-3.41	308.1	-6.7	307.95	-9.38	308.95	-10.09	307.15	-8.03	308.5	-7.56	308.65	-6.23	307.9	-3.67	301.4	-8.06	210	-3.23				
215	-2.71	315.5	-9.24	315.45	-13.87	316.55	-11.26	315.1	-7.06	315.65	-6.76	316.25	-7.38	315.45	-6.16	308.85	-10.83	215	-2.55				
220	-2.12	323.2	-12.38	323.45	-13.03	324.2	-8.12	322.45	-5.04	323.6	-4.6	323.4	-6.91	322.9	-9.21	316.15	-14.58	220	-1.99				
225	-1.62	331.35	-16.21	330.95	-9.09	331.7	-5.17	330.85	-3.07	331.15	-2.8	331.55	-5.36	331.25	-11.22	324.35	-17.57	225	-1.52				
230	-1.22	338.95	-16.9	338.5	-6.44	339.2	-3.27	338.35	-1.94	338.75	-1.58	339.15	-3.98	339.35	-9.69	331.8	-15.95	230	-1.14				
235	-0.9	346.55	-13.97	346.35	-4.76	346.75	-2.24	345.9	-1.39	345.7	-0.98	346.3	-2.98	346.95	-7.46	339.5	-13.13	235	-0.83				
240	-0.66	352.75	-10.88	353.05	-3.86	353.05	-1.86	353	-1.42	353	-0.92	353.2	-2.52	352.9	-5.75	346.65	-11.37	240	-0.61				
245	-0.49	355	-10.78	355	-3.86	355	-1.84	355	-1.45	355	-0.93	355	-2.52	355	-5.69	352.95	-10.41	245	-0.45				
250	-0.38	360	-8.25	360	-3.44	360	-1.99	360	-2.05	360	-1.44	360	-2.53	360	-4.5	355	-10.4	250	-0.36				
255	-0.34																	255	-0.34				
260	-0.37																	260	-0.38				
265	-0.47																	265	-0.49				
270	-0.63																	270	-0.67				
275	-0.86																	275	-0.92				
280	-1.17																	280	-1.25				
285	-1.56																	285	-1.66				
290	-2.04																	290	-2.16				
295	-2.61																	295	-2.75				
300	-3.3																	300	-3.47				
305	-4.11																	305	-4.32				
310	-5.09																	310	-5.34				
315	-6.27																	315	-6.57				
320	-7.7																	320	-8.08				
325	-9.51																	325	-9.99				
330	-11.88																						

2520 Theta Ang		0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)	
	0	-12.74	0	-8.21	0	-3.49	0	-1.96	0	-1.89	0	-1.49	0	-2.62	0	-4.68	0	-10.65	0	-11.74	
	5	-10.18	0	-8.21	0.05	-3.51	0	-1.96	0.05	-1.87	0	-1.49	0	-2.62	0.05	-4.69	0	-10.65	5	-9.49	
	10	-8.26	1.65	-8.18	3.4	-3.5	2.5	-1.96	2.9	-1.92	0.8	-1.48	1.6	-2.65	2.55	-4.66	0.15	-10.65	10	-7.75	
	15	-6.75	7.4	-7.01	10.85	-3.31	10.3	-2.41	9.95	-2.57	6.15	-1.88	7.6	-2.95	9.4	-4.19	4.3	-10.72	15	-6.36	
	20	-5.51	15.05	-5.31	18.35	-3.17	17.8	-3.11	18.1	-3.19	14.55	-3.43	15.25	-4.02	17.05	-3.82	11.65	-11.5	20	-5.23	
	25	-4.49	22.5	-3.79	26.2	-2.91	25.35	-3.59	25.3	-3.18	22.65	-5.02	22.7	-5.1	24	-3.55	19.75	-12.79	25	-4.28	
	30	-3.64	30.05	-2.58	33.95	-2.5	32.45	-3.58	32.95	-2.56	30.7	-5.53	30.2	-6.06	32	-3.29	27.2	-13.88	30	-3.48	
	35	-2.92	38.05	-1.57	41.5	-2	40.25	-3.14	41	-1.73	38.4	-4.67	38.2	-6.15	39.2	-3.03	34.7	-13.65	35	-2.82	
	40	-2.32	45.6	-0.71	49	-1.48	48.35	-2.35	48.25	-1.02	46.5	-3.28	45.8	-5.28	46.9	-2.71	42.2	-12.04	40	-2.26	
	45	-1.82	53.1	-0.13	56.45	-0.96	55.85	-1.69	55.85	-0.5	54.85	-1.9	53	-4.07	54.85	-2.38	49.7	-10.16	45	-1.8	
	50	-1.41	61.35	0.4	63.9	-0.55	63.3	-1.26	63.8	-0.17	62.35	-0.98	60.45	-3.06	62.3	-2.06	57.15	-8.53	50	-1.42	
	55	-1.08	69.8	0.72	71.4	-0.18	70.8	-0.9	71.3	0	70.4	-0.28	68.65	-2.21	69.55	-1.85	65.1	-7.36	55	-1.13	
	60	-0.83	77.95	0.84	79.4	0.08	78.1	-0.77	78.9	0.05	78.05	0.09	76.25	-1.68	77.6	-1.74	72.2	-6.64	60	-0.9	
	65	-0.65	85.5	0.83	86.6	0.23	86.55	-0.76	86.1	0	85.6	0.22	83.75	-1.37	85.1	-1.75	79.5	-6.32	65	-0.75	
	70	-0.54	92.7	0.63	94.5	0.28	94.4	-0.85	94.05	-0.16	93.15	0.11	91.25	-1.3	92.55	-1.97	87.75	-6.38	70	-0.67	
	75	-0.49	100.25	0.36	102.1	0.22	103.55	-1.06	101.75	-0.42	100.85	-0.22	98.7	-1.39	100.2	-2.33	95.35	-6.83	75	-0.65	
	80	-0.52	108.25	-0.1	109.25	0.04	111.1	-1.32	108.95	-0.84	108.35	-0.8	106.7	-1.77	107.85	-2.88	102.9	-7.67	80	-0.7	
	85	-0.6	115.6	-0.72	117.4	-0.29	118.75	-1.67	116.6	-1.36	116.05	-1.61	114.2	-2.33	114.85	-3.66	110.95	-8.96	85	-0.82	
	90	-0.76	123.75	-1.47	125.3	-0.88	126.3	-2.17	124.25	-2.11	124	-2.75	122.2	-3.28	122.4	-4.66	118.5	-10.59	90	-1	
	95	-0.99	130.95	-2.38	132.9	-1.64	133.85	-2.9	132.3	-3.14	131.95	-4.22	130.4	-4.59	129.9	-5.82	126	-12.44	95	-1.26	
	100	-1.29	138.95	-3.55	140.45	-2.72	141.25	-3.78	140.35	-4.42	139.55	-6.1	138.05	-6.21	138.1	-6.93	133.35	-13.91	100	-1.59	
	105	-1.67	146.1	-4.82	148.65	-3.97	148.75	-4.74	147.9	-5.76	147.1	-8.06	145.75	-7.99	145.75	-7.51	141.05	-13.96	105	-2.01	
	110	-2.14	154.1	-6.27	156.2	-5.16	156.15	-5.46	155.45	-6.21	154.6	-8.68	153.2	-8.62	153.25	-7.25	148.65	-12.8	110	-2.51	
	115	-2.7	162.35	-7.7	163.15	-5.87	163.3	-5.69	163	-5.48	162.05	-7.14	161.85	-7.36	161.2	-6.45	156.25	-11.42	115	-3.12	
	120	-3.37	169.8	-8.61	171.8	-6.01	170.95	-5.24	170.6	-4.09	169.5	-5	168.9	-5.62	168.8	-5.61	163.75	-10.37	120	-3.85	
	125	-4.18	177.85	-8.8	179	-5.57	179.1	-4.57	178.2	-2.98	177.75	-3.29	176.9	-4.17	176.3	-5.12	171.3	-9.88	125	-4.71	
	130	-5.14	185.35	-8.33	186.5	-5.17	186.6	-4.24	185.4	-2.43	185.45	-2.53	185.5	-3.42	183.8	-4.99	179.05	-9.95	130	-5.74	
	135	-6.29	192.85	-7.45	194	-5.16	194.1	-4.42	193.4	-2.7	193.85	-2.79	192.7	-3.42	191.3	-5.19	186.55	-10.74	135	-6.99	
	140	-7.7	200.35	-6.4	202.05	-5.56	202.05	-5.18	201.1	-4.01	201.05	-4.07	200.15	-4.18	198.6	-5.64	194.2	-12.33	140	-8.53	
	145	-9.46	208.3	-5.41	209.25	-6.36	209.2	-6.51	208.6	-6.43	209.7	-7.03	208.05	-5.89	206.35	-6.01	201.65	-14.8	145	-10.48	
	150	-11.75	215.85	-4.5	216.8	-7.02	216.95	-7.79	216.1	-10.02	216.7	-11.57	215.6	-8.05	214.35	-5.47	209.15	-16.97	150	-13.1	
	155	-14.98	223.85	-3.55	224.35	-6.75	224.45	-7.86	223.7	-11.42	224.2	-12.87	223.6	-9.13	222.6	-4.24	216.75	-15.18	155	-16.95	
	160	-20.3	231.55	-2.76	232.3	-5.36	231.8	-6.23	231.35	-8	232.5	-7.52	231.55	-7.1	229.9	-2.79	224.75	-11.55	160	-24.21	
	165	-36.85	238.65	-2.12	239.95	-3.7	239.95	-4.15	239.4	-4.78	240.05	-4.26	239.05	-4.42	237.5	-1.38	232.2	-8.64	165	-34.27	
	170	-23.35	246.2	-1.62	247.6	-2.19	247.2	-2.48	246.95	-2.84	247.55	-2.14	247	-2.48	245	-0.23	240.6	-6.39	170	-19.99	
	175	-16.49	254.6	-1.29	254.7	-1.21	255.25	-1.28	254.55	-1.71	255.1	-0.99	254.4	-1.13	253	0.58	248.1	-5	175	-14.89	
	180	-12.74	262.1	-1.17	262.2	-0.64	263.05	-0.68	262.05	-1.2	263.25	-0.52	262.6	-0.49	260	1.05	255.6	-4.15	180	-11.74	
	185	-10.18	269.55	-1.28	270.15	-0.54	270.6	-0.52	269.4	-1.23	270.25	-0.59	269.75	-0.38	267.95	1.21	263.1	-3.72	185	-9.49	
	190	-8.26	277.1	-1.61	277.65	-0.92	278.1	-0.89	277.45	-1.77	277.7	-1.11	277.95	-0.74	276.4	1.09	270.65	-3.75	190	-7.75	
	195	-6.75	284.65	-2.29	285.2	-1.85	285.7	-1.86	285	-2.79	285.2	-2.2	286.1	-1.57	283.4	0.59	278.7	-4.15	195	-6.36	
	200	-5.51	292.2	-3.25	292.8	-3.41	293.55	-3.61	292.55	-4.29	293.25	-3.96	293.6	-2.87	292	-0.4	286.35	-5.04	200	-5.23	
	205	-4.49	300.15	-4.58	300.35	-5.81	300.85	-6.17	300.15	-6.3	300.85	-6.05	301.1	-4.64	300.75	-2.01	293.9	-6.35	205	-4.28	
	210	-3.64	308.1	-6.49	307.95	-9.21	308.95	-9.89	307.15	-7.8	308.5	-7.7	308.65	-6.64	307.9	-3.83	301.4	-8.32	210	-3.48	
	215	-2.92	315.5	-8.98	315.45	-13.59	316.55	-11.44	315.1	-7.25	315.65	-7.1	316.25	-7.85	315.45	-6.4	308.85	-11.09	215	-2.82	
	220	-2.32	323.2	-12.08	323.45	-13.06	324.2	-8.42	322.45	-5.31	323.6	-4.87	323.4	-7.22	322.9	-9.4	316.15	-14.79	220	-2.26	
	225	-1.82	331.35	-16.07	330.95	-9.23	331.7	-5.41	330.85	-3.24	331.15	-2.94	331.55	-5.47	331.25	-11.12	324.35	-17.28	225	-1.8	
	230	-1.41	338.95	-17.24	338.5	-6.54	339.2	-3.35	338.35	-1.99	338.75	-1.57	339.15	-3.91	339.35	-9.55	331.8	-15.57	230	-1.42	
	235	-1.08	346.55	-14.28	346.35	-4.9	346.75	-2.29	345.9	-1.38	345.7	-0.89	346.3	-2.9	346.95	-7.46	339.5	-13	235	-1.13	
	240	-0.83	352.75	-11.05	353.05	-4	353.05	-1.82	353	-1.32	353	-0.85	353.2	-2.5	352.9	-5.81	346.65	-11.44	240	-0.9	
	245	-0.65	355	-10.8	355	-3.95	355	-1.8	355	-1.33	355	-0.88	355	-2.46	355	-5.79	352.95	-10.63	245	-0.75	
	250	-0.54	360	-8.21	360	-3.49	360	-1.96	360	-1.89	360	-1.49	360	-2.62	360	-4.68	355	-10.62	250	-0.67	
	255	-0.49															360	-10.65	255	-0.65	
	260	-0.52																	260	-0.7	
	265	-0.6																	265	-0.82	
	270	-0.76																	270	-1	
	275	-0.99																	275	-1.26	
	280	-1.29																	280	-1.59	
	285	-1.67																	285	-2.01	
	290	-2.14																	290	-2.51	
	295	-2.7																	295	-3.12	
	300	-3.37																	300	-3.85	
	305	-4.18																	305	-4.71	
	310	-5.14																	310	-5.74	
	315	-6.29																	315	-6.99	
	320	-7.7																	320	-8.53	
	325	-9.46																	325	-10.48	
	330	-11.75																	330	-13.1	
	335	-14.98																	335	-16.95	
	340	-20.3																	340	-24.21	
	345	-36.85																	345	-34.27	
	350	-23.35																	350	-19.99	
	355	-1																			

2530 Theta Ang	0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
	0	-12.99	0	-7.9	0	-3.29	0	-1.75	0	-1.6	0	-1.39	0	-2.62	0	-4.67	0	-10.95	0	-11.54
	5	-10.38	0	-7.9	0.05	-3.29	0	-1.75	0.05	-1.59	0	-1.39	0	-2.62	0.05	-4.72	0	-10.95	5	-9.38
	10	-8.43	1.65	-7.88	3.4	-3.29	2.5	-1.72	2.9	-1.59	0.8	-1.42	1.6	-2.61	2.55	-4.65	0.15	-10.96	10	-7.7
	15	-6.9	7.4	-6.8	10.85	-3.09	10.3	-2.22	9.95	-2.33	6.15	-1.84	7.6	-3.03	9.4	-4.24	4.3	-11.02	15	-6.35
	20	-5.65	15.05	-5.05	18.35	-3	17.8	-3.03	18.1	-3.08	14.55	-3.6	15.25	-4.16	17.05	-3.8	11.65	-11.92	20	-5.24
	25	-4.61	22.5	-3.68	26.2	-2.84	25.35	-3.66	25.3	-3.2	22.65	-5.23	22.7	-5.37	24	-3.47	19.75	-13.26	25	-4.32
	30	-3.75	30.05	-2.47	33.95	-2.54	32.45	-3.75	32.95	-2.56	30.7	-5.63	30.2	-6.17	32	-3.17	27.2	-14.09	30	-3.55
	35	-3.03	38.05	-1.51	41.5	-2.07	40.25	-3.29	41	-1.63	38.4	-4.48	38.2	-5.98	39.2	-2.74	34.7	-13.28	35	-2.9
	40	-2.42	45.6	-0.72	49	-1.53	48.35	-2.41	48.25	-0.89	46.5	-2.84	45.8	-4.94	46.9	-2.36	42.2	-11.31	40	-2.35
	45	-1.91	53.1	-0.1	56.45	-1.05	55.85	-1.63	55.85	-0.27	54.85	-1.5	53	-3.72	54.85	-1.94	49.7	-9.36	45	-1.9
	50	-1.5	61.35	0.38	63.9	-0.54	63.3	-1.07	63.8	0.09	62.35	-0.53	60.45	-2.67	62.3	-1.6	57.15	-7.75	50	-1.54
	55	-1.17	69.8	0.69	71.4	-0.15	70.8	-0.68	71.3	0.26	70.4	0.07	68.65	-1.84	69.55	-1.35	65.1	-6.61	55	-1.26
	60	-0.91	77.95	0.82	79.4	0.17	78.1	-0.49	78.9	0.35	78.05	0.45	76.25	-1.33	77.6	-1.25	72.2	-5.92	60	-1.04
	65	-0.73	85.5	0.81	86.6	0.34	86.55	-0.47	86.1	0.28	85.6	0.52	83.75	-1.02	85.1	-1.25	79.5	-5.6	65	-0.9
	70	-0.61	92.7	0.66	94.5	0.42	94.4	-0.59	94.05	0.15	93.15	0.43	91.25	-0.97	92.55	-1.42	87.75	-5.67	70	-0.83
	75	-0.56	100.25	0.39	102.1	0.4	103.55	-0.73	101.75	-0.09	100.85	0.13	98.7	-1.08	100.2	-1.79	95.35	-6.09	75	-0.82
	80	-0.58	108.25	-0.01	109.25	0.21	111.1	-1.02	108.95	-0.44	108.35	-0.37	106.7	-1.4	107.85	-2.36	102.9	-6.91	80	-0.88
	85	-0.66	115.6	-0.63	117.4	-0.12	118.75	-1.37	116.6	-0.95	116.05	-1.15	114.2	-1.91	114.85	-3.12	110.95	-8.16	85	-1.01
	90	-0.82	123.75	-1.34	125.3	-0.63	126.3	-1.88	124.25	-1.7	124	-2.22	122.2	-2.79	122.4	-4.13	118.5	-9.77	90	-1.2
	95	-1.04	130.95	-2.25	132.9	-1.38	133.85	-2.57	132.3	-2.77	131.95	-3.64	130.4	-4.01	129.9	-5.33	126	-11.64	95	-1.47
	100	-1.33	138.95	-3.27	140.45	-2.36	141.25	-3.48	140.35	-4.12	139.55	-5.64	138.05	-5.65	138.1	-6.53	133.35	-13.32	100	-1.81
	105	-1.71	146.1	-4.53	148.65	-3.66	148.75	-4.53	147.9	-5.65	147.1	-7.85	145.75	-7.58	145.75	-7.41	141.05	-13.74	105	-2.24
	110	-2.17	154.1	-5.99	156.2	-4.82	156.15	-5.31	155.45	-6.32	154.6	-8.96	153.2	-8.65	153.25	-7.41	148.65	-12.79	110	-2.76
	115	-2.73	162.35	-7.5	163.15	-5.55	163.3	-5.41	163	-5.56	162.05	-7.47	161.85	-7.71	161.2	-6.64	156.25	-11.47	115	-3.38
	120	-3.4	169.8	-8.57	171.8	-5.77	170.95	-5	170.6	-4.03	169.5	-5.12	168.9	-5.89	168.8	-5.77	163.75	-10.38	120	-4.13
	125	-4.19	177.85	-8.93	179	-5.45	179.1	-4.35	178.2	-2.75	177.75	-3.18	176.9	-4.19	176.3	-5.18	171.3	-9.84	125	-5.01
	130	-5.14	185.35	-8.55	186.5	-5.09	186.6	-4.03	185.4	-2.12	185.45	-2.25	185.5	-3.28	183.8	-4.85	179.05	-9.83	130	-6.07
	135	-6.28	192.85	-7.64	194	-5.05	194.1	-4.27	193.4	-2.32	193.85	-2.41	192.7	-3.17	191.3	-5.01	186.55	-10.53	135	-7.36
	140	-7.67	200.35	-6.52	202.05	-5.45	202.05	-5.05	201.1	-3.52	201.05	-3.55	200.15	-3.85	198.6	-5.34	194.2	-12.01	140	-8.95
	145	-9.41	208.3	-5.41	209.25	-6.11	209.2	-6.36	208.6	-5.89	209.7	-6.33	208.05	-5.41	206.35	-5.62	201.65	-14.35	145	-10.97
	150	-11.66	215.85	-4.39	216.8	-6.65	216.95	-7.66	216.1	-9.51	216.7	-10.79	215.6	-7.63	214.35	-5.23	209.15	-16.62	150	-13.72
	155	-14.81	223.85	-3.37	224.35	-6.33	224.45	-7.68	223.7	-11.35	224.2	-13.17	223.6	-9.09	222.6	-4.16	216.75	-15.32	155	-17.85
	160	-19.93	231.55	-2.59	232.3	-4.99	231.8	-5.99	231.35	-7.97	232.5	-7.8	231.55	-7.35	229.9	-2.71	224.75	-11.72	160	-26.18
	165	-34.34	238.65	-1.91	239.95	-3.36	239.95	-3.92	239.4	-4.66	240.05	-4.22	239.05	-4.48	237.5	-1.38	232.2	-8.76	165	-30.36
	170	-24.07	246.2	-1.39	247.6	-1.99	247.2	-2.24	246.95	-2.63	247.55	-2.03	247	-2.48	245	-0.22	240.6	-6.49	170	-19.21
	175	-16.84	254.6	-1.03	254.7	-0.94	255.25	-1.02	254.55	-1.42	255.1	-0.88	254.4	-1.07	253	0.61	248.1	-5.06	175	-14.52
	180	-12.99	262.1	-0.92	262.2	-0.4	263.05	-0.37	262.05	-0.87	263.25	-0.28	262.6	-0.38	260	1.13	255.6	-4.17	180	-11.54
	185	-10.38	269.55	-1.01	270.15	-0.31	270.6	-0.21	269.4	-0.84	270.25	-0.32	269.75	-0.24	267.95	1.34	263.1	-3.77	185	-9.38
	190	-8.43	277.1	-1.37	277.65	-0.66	278.1	-0.57	277.45	-1.34	277.7	-0.83	277.95	-0.58	276.4	1.17	270.65	-3.69	190	-7.7
	195	-6.9	284.65	-2	285.2	-1.6	285.7	-1.49	285	-2.3	285.2	-1.93	286.1	-1.49	283.4	0.71	278.7	-4.11	195	-6.35
	200	-5.65	292.2	-2.96	292.8	-3.16	293.55	-3.24	292.55	-3.83	293.25	-3.73	293.6	-2.85	292	-0.3	286.35	-4.97	200	-5.24
	205	-4.61	300.15	-4.3	300.35	-5.49	300.85	-5.77	300.15	-5.86	300.85	-5.95	301.1	-4.71	300.75	-1.88	293.9	-6.29	205	-4.32
	210	-3.75	308.1	-6.14	307.95	-8.81	308.95	-9.64	307.15	-7.64	308.5	-7.84	308.65	-6.81	307.9	-3.73	301.4	-8.25	210	-3.55
	215	-3.03	315.5	-8.59	315.45	-13.21	316.55	-11.72	315.1	-7.42	315.65	-7.25	316.25	-8.01	315.45	-6.31	308.85	-10.97	215	-2.9
	220	-2.42	323.2	-11.72	323.45	-13.11	324.2	-8.61	322.45	-5.43	323.6	-4.8	323.4	-7.24	322.9	-9.18	316.15	-14.46	220	-2.35
	225	-1.91	331.35	-15.9	330.95	-9.23	331.7	-5.38	330.85	-3.21	331.15	-2.78	331.55	-5.22	331.25	-10.76	324.35	-16.6	225	-1.9
	230	-1.5	338.95	-17.42	338.5	-6.49	339.2	-3.25	338.35	-1.83	338.75	-1.33	339.15	-3.66	339.35	-9.31	331.8	-15.1	230	-1.54
	235	-1.17	346.55	-14.29	346.35	-4.77	346.75	-2.12	345.9	-1.16	345.7	-0.69	346.3	-2.71	346.95	-7.36	339.5	-12.84	235	-1.26
	240	-0.91	352.75	-10.89	353.05	-3.81	353.05	-1.62	353	-1.04	353	-0.64	353.2	-2.32	352.9	-5.81	346.65	-11.44	240	-1.04
	245	-0.73	355	-10.51	355	-3.79	355	-1.61	355	-1.03	355	-0.67	355	-2.34	355	-5.72	352.95	-10.79	245	-0.9
	250	-0.61	360	-7.9	360	-3.29	360	-1.75	360	-1.6	360	-1.39	360	-2.62	360	-4.67	355	-10.76	250	-0.83
	255	-0.56															360	-10.95	255	-0.82
	260	-0.58																	260	-0.88
	265	-0.66																	265	-1.01
	270	-0.82																	270	-1.2
	275	-1.04																	275	-1.47
	280	-1.33																	280	-1.81
	285	-1.71																	285	-2.24
	290	-2.17																	290	-2.76
	295	-2.73																	295	-3.38
	300	-3.4																	300	-4.13
	305	-4.19																	305	-5.01
	310	-5.14																	310	-6.07
	315	-6.28																	315	-7.36
	320	-7.67																	320	-8.95
	325	-9.41																	325	-10.97
	330	-11.66																	330	-13.72
	335	-14.81																	335	-17.85
	340	-19.93																	340	-26.18
	345	-34.34																	345	-30.36
	350	-24.07																		

Total	Frequency (MHz)		2350		Theta Ang		0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	(dB)	
0	-2.93	0	-2.83	0	-1.86	0	-2.06	0	-3.78	0	-2.88	0	-2.43	0	-0.31	0	-3.21	0	0.82							
5	-2.93	0	-2.83	0.05	-1.89	0	-2.06	0.05	-3.82	0	-2.88	0	-2.43	0.05	-0.3	0	-3.21	0	0.82							
10	-2.93	1.65	-2.81	3.4	-1.79	2.5	-2.13	2.9	-4.23	0.8	-2.86	1.6	-2.5	2.55	-0.31	0.15	-3.24	10	0.82							
15	-2.93	7.4	-2.6	10.85	-1.54	10.3	-2.26	9.95	-4.91	6.15	-3.02	7.6	-2.56	9.4	-0.22	4.3	-3.66	15	0.82							
20	-2.93	15.05	-2.43	18.35	-1.24	17.8	-2.12	18.1	-4.85	14.55	-2.86	15.25	-2.44	17.05	-0.13	11.65	-4.2	20	0.82							
25	-2.93	22.5	-2.3	26.2	-0.83	25.35	-1.79	25.3	-4.07	22.65	-2.45	22.7	-2.15	24	-0.09	19.75	-4.78	25	0.82							
30	-2.93	30.05	-2.15	33.95	-0.48	32.45	-1.36	32.95	-3.04	30.7	-2.04	30.2	-2.01	32	-0.08	27.2	-5.31	30	0.82							
35	-2.93	38.05	-2	41.5	0.1	40.25	-0.83	41	-2.18	38.4	-1.88	38.2	-1.96	39.2	-0.13	34.7	-5.87	35	0.82							
40	-2.93	45.6	-1.84	49	-0.13	48.35	-0.4	48.25	-1.68	46.5	-1.94	45.8	-2.05	46.9	-0.29	42.2	-6.4	40	0.82							
45	-2.93	53.1	-1.71	56.45	0.28	55.85	-0.17	55.85	-1.39	54.85	-2.32	53	-2.25	54.85	-0.5	49.7	-6.83	45	0.82							
50	-2.93	61.35	-1.53	63.9	0.29	63.3	-0.08	63.8	-1.45	62.35	-2.89	60.45	-2.56	62.3	-0.79	57.15	-7.21	50	0.82							
55	-2.93	69.8	-1.4	71.4	0.21	70.8	-0.13	71.3	-1.68	70.4	-3.47	68.65	-2.93	69.55	-1.16	65.1	-7.65	55	0.82							
60	-2.93	77.95	-1.27	79.4	0.03	78.1	-0.3	78.9	-1.99	78.05	-4.09	76.25	-3.28	77.6	-1.51	72.2	-7.98	60	0.82							
65	-2.93	85.5	-1.21	86.6	-0.21	86.55	-0.55	86.1	-2.4	85.6	-4.6	83.75	-3.64	85.1	-1.91	79.5	-8.38	65	0.82							
70	-2.93	92.7	-1.19	94.5	-0.53	94.4	-0.94	94.05	-2.81	93.15	-5.1	91.25	-3.95	92.55	-2.25	87.75	-8.63	70	0.82							
75	-2.93	100.25	-1.28	102.1	-0.91	103.55	-1.35	101.75	-3.19	100.85	-5.38	98.7	-4.17	100.2	-2.52	95.35	-8.82	75	0.82							
80	-2.93	108.25	-1.39	109.25	-1.32	111.1	-1.78	108.95	-3.51	108.35	-5.47	106.7	-4.38	107.85	-2.64	102.9	-8.87	80	0.82							
85	-2.93	115.6	-1.59	117.4	-1.75	118.75	-2.24	116.6	-3.81	116.05	-5.43	114.2	-4.42	114.85	-2.68	110.95	-8.8	85	0.82							
90	-2.93	123.75	-1.79	125.3	-2.21	126.3	-2.72	124.25	-4.02	124	-5.13	122.2	-4.37	122.4	-2.64	118.5	-8.54	90	0.82							
95	-2.93	130.95	-2.08	132.9	-2.63	133.85	-3.33	132.3	-4.23	131.95	-4.94	130.4	-4.22	129.9	-2.45	126	-8.23	95	0.82							
100	-2.93	138.95	-2.41	140.45	-3.01	141.25	-3.91	140.35	-4.48	139.55	-4.69	138.05	-4.05	138.1	-2.25	133.35	-7.87	100	0.82							
105	-2.93	146.1	-2.75	148.65	-3.32	148.75	-4.33	147.9	-4.8	147.1	-4.48	145.75	-3.82	145.75	-1.98	141.05	-7.53	105	0.82							
110	-2.93	154.1	-3.14	156.2	-3.55	156.15	-4.67	155.45	-4.92	154.6	-4.32	153.2	-3.61	153.25	-1.76	148.65	-7.21	110	0.82							
115	-2.93	162.35	-3.59	163.15	-3.72	163.3	-4.71	163	-5.01	162.05	-4.08	161.85	-3.38	161.2	-1.62	156.25	-6.92	115	0.82							
120	-2.93	169.8	-4.02	171.8	-3.88	170.95	-4.48	170.6	-5.02	169.5	-3.92	168.9	-3.26	168.8	-1.47	163.75	-6.72	120	0.82							
125	-2.93	177.85	-4.43	179	-4.03	179.1	-4.38	178.2	-5.16	177.75	-4.01	176.9	-3.19	176.3	-1.4	171.3	-6.47	125	0.82							
130	-2.93	185.35	-4.76	186.5	-4.18	186.6	-4.41	185.4	-5.79	185.45	-4.62	185.5	-3.27	183.8	-1.33	179.05	-6.31	130	0.82							
135	-2.93	192.85	-5.08	194	-4.31	194.1	-4.78	193.4	-7.03	193.85	-6.06	192.7	-3.64	191.3	-1.27	186.55	-6.21	135	0.82							
140	-2.93	200.35	-5.24	202.05	-4.5	202.05	-5.48	201.1	-9.1	201.05	-8.13	200.15	-4.29	198.6	-1.2	194.2	-6.11	140	0.82							
145	-2.93	208.3	-5.22	209.25	-4.39	209.2	-6.32	208.6	-11.19	209.7	-10.5	208.05	-5.23	206.35	-1.11	201.65	-6.01	145	0.82							
150	-2.93	215.85	-5.09	216.8	-4.09	216.95	-6.73	216.1	-11.1	216.7	-9.79	215.6	-6.03	214.35	-1.03	209.15	-5.93	150	0.82							
155	-2.93	223.85	-4.88	224.35	-3.53	224.45	-6.35	223.7	-8.46	224.2	-6.86	223.6	-6.3	222.6	-0.89	216.75	-5.82	155	0.82							
160	-2.93	231.55	-4.6	232.3	-2.89	231.8	-5.15	231.35	-5.74	232.5	-4.21	231.55	-5.73	229.9	-0.73	224.75	-5.59	160	0.82							
165	-2.93	238.65	-4.24	239.95	-2.26	239.95	-3.85	239.4	-3.81	240.05	-2.48	239.05	-4.77	237.5	-0.6	232.2	-5.37	165	0.82							
170	-2.93	246.2	-3.95	247.6	-1.71	247.2	-2.78	246.95	-2.6	247.55	-1.44	247	-3.93	245	-0.48	240.6	-4.96	170	0.82							
175	-2.93	254.6	-3.71	254.7	-1.32	255.25	-2.01	254.55	-1.9	255.1	-0.95	254.4	-3.27	253	-0.36	248.1	-4.51	175	0.82							
180	-2.93	262.1	-3.48	262.2	-1.07	263.05	-1.66	262.05	-1.66	263.25	-0.88	262.6	-3	260	-0.28	255.6	-4.05	180	0.82							
185	-2.93	269.55	-3.34	270.15	-0.97	270.6	-1.73	269.4	-2.01	270.25	-1.28	269.75	-2.98	267.95	-0.21	263.1	-3.51	185	0.82							
190	-2.93	277.1	-3.29	277.65	-1.06	278.1	-2.1	277.45	-2.9	277.7	-2.09	277.95	-3.12	276.4	-0.12	270.65	-3.03	190	0.82							
195	-2.93	284.65	-3.27	285.2	-1.24	285.7	-2.79	285	-4.4	285.2	-3.34	286.1	-3.22	283.4	-0.07	278.7	-2.58	195	0.82							
200	-2.93	292.2	-3.27	292.8	-1.52	293.55	-3.69	292.55	-6.78	293.25	-4.97	293.6	-3.13	292	-0.01	286.35	-2.23	200	0.82							
205	-2.93	300.15	-3.33	300.35	-1.74	300.85	-4.43	300.15	-10.14	300.85	-6.23	301.1	-2.82	300.75	0.05	293.9	-1.95	205	0.82							
210	-2.93	308.1	-3.42	307.95	-1.97	308.95	-4.64	307.15	-12.41	308.5	-6.52	308.65	-2.35	307.9	0.05	301.4	-1.76	210	0.82							
215	-2.93	315.5	-3.48	315.45	-2.05	316.55	-4.33	315.1	-9.79	315.65	-5.49	316.25	-1.92	315.45	0.03	308.85	-1.65	215	0.82							
220	-2.93	323.2	-3.51	323.45	-2.11	324.2	-3.52	322.45	-6.66	323.6	-4.11	323.4	-1.56	322.9	-0.03	316.15	-1.64	220	0.82							
225	-2.93	331.35	-3.41	330.95	-2.04	331.7	-2.78	330.85	-4.4	331.15	-3.16	331.55	-1.5	331.25	-0.13	324.35	-1.73	225	0.82							
230	-2.93	338.95	-3.31	338.5	-2.01	339.2	-2.28	338.35	-3.44	338.75	-2.62	339.15	-1.63	339.35	-0.23	331.8	-1.9	230	0.82							
235	-2.93	346.55	-3.15	346.35	-1.96	346.75	-2.07	345.9	-3.14	345.7	-2.52	346.3	-1.94	346.95	-0.31	339.5	-2.2	235	0.82							
240	-2.93	352.75	-3.04	353.05	-1.92	353.05	-1.98	353	-3.21	353	-2.57	353.2	-2.1	352.9	-0.32	346.65	-2.54	240	0.82							
245	-2.93	355	-3.03	355	-1.9	355	-1.99	355	-3.21	355	-2.54	355	-2.11	355	-0.33	352.95	-2.68	245	0.82							
250	-2.93	360	-2.83	360	-1.86	360	-2.06	360	-3.78	360	-2.88	360	-2.43	360	-0.31	355	-2.66	250	0.82							
255	-2.93															360	-3.21	255	0.82							
260	-2.93																	260	0.82							
265	-2.93																	265	0.82							
270	-2.93																	270	0.82							
275	-2.93																	275	0.82							
280	-2.93																	280	0.82							
285	-2.93																	285	0.82							
290	-2.93																	290	0.82							
295	-2.93																	295	0.82							
300	-2.93																	300	0.82							
305	-2.93																	305	0.82							
310	-2.93																	310	0.82							
315	-2.93																	315	0.82							
320	-2.93																	320	0.82							
325	-2.93																	325	0.82							
330	-2.93																	330	0.82							
335	-2.93																	335	0.82							
340	-2.93																	340	0.82							
345	-2.93																	345	0.82							
350	-2.93																	350	0.82							
355	-2.93																	355	0.82							
360	-2.93																	360	0.82							

2430	Theta Ang	0	20	40	60	80	100	120	140	160	180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)
0	-0.84	0	-0.62	0	-0.4	0	-0.41	0	-2.03	0	-1.08	0
5	-0.84	0	-0.62	0.05	-0.43	0	-0.41	0.05	-2.02	0	-1.08	0
10	-0.84	1.65	-0.65	3.4	-0.37	2.5	-0.46	2.9	-2.24	0.8	-1.06	1.6
15	-0.84	7.4	-0.62	10.85	-0.32	10.3	-0.68	9.95	-2.93	6.15	-1.44	7.6
20	-0.84	15.05	-0.64	18.35	-0.23	17.8	-0.88	18.1	-3.25	14.55	-2.1	15.25
25	-0.84	22.5	-0.55	26.2	-0.06	25.35	-0.92	25.3	-2.85	22.65	-2.63	22.7
30	-0.84	30.05	-0.46	33.95	0.11	32.45	-0.77	32.95	-2.09	30.7	-2.98	30.2
35	-0.84	38.05	-0.33	41.5	0.29	40.25	-0.48	41	-1.33	38.4	-3.19	38.2
40	-0.84	45.6	-0.22	49	0.46	48.35	-0.18	48.25	-0.81	46.5	-3.32	45.8
45	-0.84	53.1	-0.04	56.45	0.57	55.85	0.02	55.85	-0.49	54.85	-3.28	53
50	-0.84	61.35	0.13	63.9	0.63	63.3	0.11	63.8	-0.4	62.35	-3.21	60.45
55	-0.84	69.8	0.28	71.4	0.65	70.8	0.07	71.3	-0.52	70.4	-3.09	68.65
60	-0.84	77.95	0.37	79.4	0.57	78.1	-0.04	78.9	-0.69	78.05	-3.04	76.25
65	-0.84	85.5	0.47	86.6	0.44	86.55	-0.24	86.1	-0.96	85.6	-3.18	83.75
70	-0.84	92.7	0.46	94.5	0.23	94.4	-0.54	94.05	-1.37	93.5	-3.52	91.25
75	-0.84	100.25	0.42	102.1	-0.04	103.55	-0.9	101.75	-1.85	100.85	-4.04	98.7
80	-0.84	108.25	0.34	109.25	-0.43	111.1	-1.25	108.95	-2.41	108.35	-4.84	106.7
85	-0.84	115.6	0.21	117.4	-0.91	118.75	-1.64	116.6	-3.01	116.05	-5.75	114.2
90	-0.84	123.75	0.07	125.3	-1.44	126.3	-2.08	124.25	-3.6	124.6	-6.76	122.2
95	-0.84	130.95	-0.13	132.9	-2.02	133.85	-2.53	132.3	-4.23	131.95	-7.55	130.4
100	-0.84	138.95	-0.34	140.45	-2.58	141.25	-3.03	140.35	-4.86	139.55	-7.74	138.05
105	-0.84	146.1	-0.58	148.65	-2.97	148.75	-3.48	147.9	-4.68	147.1	-7.15	145.75
110	-0.84	154.1	-0.82	156.2	-3.25	156.15	-3.73	155.45	-4.59	154.6	-5.97	153.2
115	-0.84	162.35	-1.03	163.15	-3.33	163.3	-3.79	163	-4.13	162.05	-6.65	161.85
120	-0.84	169.8	-1.25	171.8	-3.27	170.95	-3.57	170.6	-3.63	169.5	-3.63	168.9
125	-0.84	177.85	-1.47	179	-3.19	179.1	-3.32	178.2	-3.36	177.75	-2.98	176.9
130	-0.84	185.35	-1.71	186.5	-3.21	186.6	-3.2	185.4	-3.64	185.45	-3.05	185.5
135	-0.84	192.85	-1.94	194	-3.35	194.1	-3.32	193.4	-4.57	193.85	-4.06	192.7
140	-0.84	200.35	-2.2	202.05	-3.53	202.05	-3.76	201.1	-6.47	201.05	-5.87	200.15
145	-0.84	208.3	-2.45	209.25	-3.73	209.2	-4.34	208.6	-9.26	209.7	-8.97	208.05
150	-0.84	215.85	-2.56	216.8	-3.67	216.95	-4.88	216.1	-11.13	216.7	-10.65	215.6
155	-0.84	223.85	-2.69	224.35	-3.37	224.45	-4.87	223.7	-9.09	224.2	-8.12	223.6
160	-0.84	231.55	-2.68	232.3	-2.73	231.8	-4.19	231.35	-6.07	232.5	-4.7	231.55
165	-0.84	238.65	-2.57	239.95	-2.02	239.95	-3.15	239.4	-3.76	240.05	-2.55	239.05
170	-0.84	246.2	-2.42	247.6	-1.31	247.2	-2.17	246.95	-2.34	247.55	-1.21	247
175	-0.84	254.6	-2.21	254.7	-0.74	255.25	-1.38	254.55	-1.55	255.1	-0.49	254.4
180	-0.84	262.1	-1.99	262.2	-0.38	263.05	-0.96	262.05	-1.33	263.25	-0.34	262.6
185	-0.84	269.55	-1.85	270.15	-0.17	270.6	-0.89	269.4	-1.64	270.25	-0.63	269.75
190	-0.84	277.1	-1.69	277.65	-0.12	278.1	-1.14	277.45	-2.55	277.7	-1.44	277.95
195	-0.84	284.65	-1.58	285.2	-0.26	285.7	-1.71	285	-4.11	285.2	-2.71	286.1
200	-0.84	292.2	-1.49	292.8	-0.48	293.55	-2.64	292.55	-6.42	293.25	-4.44	293.6
205	-0.84	300.15	-1.43	300.35	-0.74	300.85	-3.45	300.15	-9.24	300.85	-5.89	301.1
210	-0.84	308.1	-1.28	307.95	-0.97	308.95	-3.92	307.15	-9.96	308.5	-6.06	308.65
215	-0.84	315.5	-1.14	315.45	-1.08	316.55	-3.6	315.1	-7.22	315.65	-4.74	316.25
220	-0.84	323.2	-1	323.45	-1.05	324.2	-2.72	322.45	-4.52	322.6	-3.06	323.4
225	-0.84	331.35	-0.85	330.95	-0.93	331.7	-1.72	330.85	-2.55	331.15	-1.82	331.55
230	-0.84	338.95	-0.74	338.5	-0.75	339.2	-0.93	338.35	-1.53	338.75	-1.01	339.15
235	-0.84	346.55	-0.68	346.35	-0.58	346.75	-0.49	345.9	-1.26	345.7	-0.72	346.3
240	-0.84	352.75	-0.64	353.05	-0.5	353.05	-0.37	353	-1.39	353	-0.73	353.9
245	-0.84	355	-0.63	355	-0.51	355	-0.37	355	-1.42	355	-0.74	355
250	-0.84	360	-0.62	360	-0.4	360	-0.41	360	-2.03	360	-1.08	360
255	-0.84											
260	-0.84											
265	-0.84											
270	-0.84											
275	-0.84											
280	-0.84											
285	-0.84											
290	-0.84											
295	-0.84											
300	-0.84											
305	-0.84											
310	-0.84											
315	-0.84											
320	-0.84											
325	-0.84											
330	-0.84											
335	-0.84											
340	-0.84											
345	-0.84											
350	-0.84											
355	-0.84											
360	-0.84											

2470	Theta Ang	0	20	40	60	80	100	120	140	160	180	
	Phi Ang	Response	Phi Ang	Response	Phi Ang	Response	Phi Ang	Response	Phi Ang	Response	Phi Ang	Response (dB)
0	-0.49	0	-0.19	0	0.21	0	0.31	0	-1.31	0	-0.8	0
5	-0.49	0	-0.19	0.05	0.21	0	0.31	0.05	-1.31	0	-0.8	0.39
10	-0.49	1.65	-0.18	3.4	0.19	2.5	0.27	2.9	-1.4	0.8	-0.81	0
15	-0.49	7.4	-0.11	10.85	0.25	10.3	0	9.95	-2.18	6.15	-1.29	0
20	-0.49	15.05	-0.04	18.35	0.2	17.8	-0.43	18.1	-2.81	14.55	-2.43	15
25	-0.49	22.5	0.12	26.2	0.19	25.35	-0.73	25.3	-2.68	22.65	-3.41	22.7
30	-0.49	30.05	0.29	33.95	0.16	32.45	-0.87	32.95	-2.02	30.7	-3.84	30.2
35	-0.49	38.05	0.44	41.5	0.2	40.25	-0.74	41	-1.17	38.4	-3.68	38.2
40	-0.49	45.6	0.6	49	0.21	48.35	-0.47	48.25	-0.53	46.5	-3.13	45.8
45	-0.49	53.1	0.73	56.45	0.29	55.85	-0.21	55.85	-0.11	54.85	-2.47	53
50	-0.49	61.35	0.84	63.9	0.35	63.3	-0.02	63.8	0.1	62.35	-1.94	60.45
55	-0.49	69.8	0.9	71.4	0.42	70.8	0.09	71.3	0.15	70.4	-1.49	68.65
60	-0.49	77.95	0.92	79.4	0.42	78.1	0.07	78.9	0.08	78.05	-1.24	76.25
65	-0.49	85.5	0.9	86.6	0.42	86.55	-0.05	86.1	-0.1	85.6	-1.23	83.75
70	-0.49	92.7	0.87	94.5	0.35	94.4	-0.3	94.05	-0.37	93.15	-1.44	91.25
75	-0.49	100.25	0.81	102.1	0.21	103.55	-0.6	101.75	-0.76	100.85	-1.81	98.7
80	-0.49	108.25	0.71	109.25	0	111.1	-0.97	108.95	-1.25	108.35	-2.42	106.7
85	-0.49	115.6	0.62	117.4	-0.29	118.75	-1.39	116.6	-1.89	116.05	-3.35	114.2
90	-0.49	123.75	0.5	125.3	-0.69	126.3	-1.86	124.25	-2.64	124	-4.54	122.2
95	-0.49	130.95	0.35	132.9	-1.11	133.85	-2.36	132.3	-3.59	131.95	-5.92	130.4
100	-0.49	138.95	0.2	140.45	-1.62	141.25	-2.85	140.35	-4.53	139.55	-7.4	138.05
105	-0.49	146.1	0.04	148.65	-2.09	148.75	-3.19	147.9	-5.06	147.1	-8.13	145.75
110	-0.49	154.1	-0.14	156.2	-2.38	156.15	-3.32	155.45	-4.87	154.6	-7.36	153.2
115	-0.49	162.35	-0.32	163.15	-2.63	163.3	-3.25	163	-4.01	162.05	-5.57	161.85
120	-0.49	169.8	-0.47	171.8	-2.7	170.95	-2.97	170.6	-3.04	169.5	-3.95	168.9
125	-0.49	177.85	-0.64	179	-2.72	179.1	-2.72	178.2	-2.44	177.75	-2.72	176.9
130	-0.49	185.35	-0.75	186.5	-2.79	186.6	-2.63	185.4	-2.43	185.45	-2.32	185.5
135	-0.49	192.85	-0.89	194	-2.88	194.1	-2.84	193.4	-3.18	193.85	-2.92	192.7
140	-0.49	200.35	-0.97	202.05	-3.04	202.05	-3.25	201.1	-4.94	201.05	-4.52	200.15
145	-0.49	208.3	-1.09	209.25	-3.21	209.2	-3.78	208.6	-7.84	209.7	-7.61	208.05
150	-0.49	215.85	-1.18	216.8	-3.2	216.95	-4.16	216.1	-10.96	216.7	-10.91	215.6
155	-0.49	223.85	-1.29	224.35	-2.95	224.45	-4.08	223.7	-9.84	224.2	-9.54	223.6
160	-0.49	231.55	-1.27	232.3	-2.43	231.8	-3.42	231.35	-6.43	232.5	-5.55	231.55
165	-0.49	238.65	-1.3	239.95	-1.74	239.95	-2.45	239.4	-3.8	240.05	-3.01	239.05
170	-0.49	246.2	-1.23	247.6	-1.03	247.2	-1.48	246.95	-2.23	247.55	-1.4	247
175	-0.49	254.6	-1.13	254.7	-0.45	255.25	-0.73	254.55	-1.34	255.1	-0.51	254.4
180	-0.49	262.1	-1.04	262.2	-0.03	263.05	-0.3	262.05	-0.99	263.25	-0.25	262.6
185	-0.49	269.55	-0.95	270.15	0.27	270.6	-0.12	269.4	-1.18	270.25	-0.5	269.75
190	-0.49	277.1	-0.88	277.65	0.32	278.1	-0.31	277.45	-1.95	277.7	-1.22	277.95
195	-0.49	284.65	-0.81	285.2	0.21	285.7	-0.84	285	-3.29	285.2	-2.48	286.1
200	-0.49	292.2	-0.73	292.8	-0.02	293.55	-1.73	292.55	-5.16	293.25	-4.25	293.6
205	-0.49	300.15	-0.65	300.35	-0.33	300.85	-2.66	300.15	-7.52	300.85	-5.86	301.1
210	-0.49	308.1	-0.58	307.95	-0.62	308.95	-3.41	307.15	-8.65	308.5	-6.22	308.65
215	-0.49	315.5	-0.46	315.45	-0.76	316.55	-3.36	315.1	-6.88	315.65	-4.87	316.25
220	-0.49	323.45	-0.38	323.45	-0.75	324.2	-2.57	322.45	-4.42	323.6	-2.95	323.4
225	-0.49	331.35	-0.32	330.95	-0.57	331.7	-1.55	330.85	-2.33	331.15	-1.56	331.55
230	-0.49	338.95	-0.27	338.5	-0.33	339.2	-0.55	338.35	-1.19	338.75	-0.63	339.15
235	-0.49	346.55	-0.2	346.35	-0.07	346.75	0.03	345.9	-0.73	345.7	-0.23	346.3
240	-0.49	352.75	-0.18	353.05	0.09	353.05	0.28	353	-0.73	353	-0.29	353.2
245	-0.49	355	-0.18	355	0.06	355	0.28	355	-0.75	355	-0.28	355
250	-0.49	360	-0.19	360	0.21	360	0.31	360	-1.31	360	-0.8	360
255	-0.49											
260	-0.49											
265	-0.49											
270	-0.49											
275	-0.49											
280	-0.49											
285	-0.49											
290	-0.49											
295	-0.49											
300	-0.49											
305	-0.49											
310	-0.49											
315	-0.49											
320	-0.49											
325	-0.49											
330	-0.49											
335	-0.49											
340	-0.49											
345	-0.49											
350	-0.49											
355	-0.49											
360	-0.49											

2520 Theta Ang		0		20		40		60		80		100		120		140		160		180	
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)	
	0	-0.49	0	-0.02	0	0.21	0	0.11	0	-1.38	0	-1.37	0	-2.15	0	-1.36	0	-5.15	0	-0.65	
	5	-0.49	0	-0.02	0.05	0.21	0	0.11	0.05	-1.37	0	-1.37	0	-2.15	0.05	-1.39	0	-5.15	5	-0.65	
	10	-0.49	1.65	-0.02	3.4	0.21	2.5	0.13	2.9	-1.41	0.8	-1.35	1.6	-2.18	2.55	-1.39	0.15	-5.19	10	-0.65	
	15	-0.49	7.4	0.06	10.85	0.13	10.3	-0.25	9.95	-2.04	6.15	-1.73	7.6	-2.7	9.4	-1.85	4.3	-5.37	15	-0.65	
	20	-0.49	15.05	0.16	18.35	0.04	17.8	-0.79	18.1	-2.68	14.55	-3.11	15.25	-3.8	17.05	-2.43	11.65	-6.56	20	-0.65	
	25	-0.49	22.5	0.36	26.2	-0.06	25.35	-1.29	25.3	-2.75	22.65	-4.35	22.7	-4.51	24	-2.8	19.75	-7.79	25	-0.65	
	30	-0.49	30.05	0.51	33.95	-0.1	32.45	-1.54	32.95	-2.26	30.7	-4.61	30.2	-4.84	32	-2.95	27.2	-8.65	30	-0.65	
	35	-0.49	38.05	0.67	41.5	-0.11	40.25	-1.52	41	-1.51	38.4	-3.84	38.2	-4.55	39.2	-2.91	34.7	-8.89	35	-0.65	
	40	-0.49	45.6	0.86	49	-0.05	48.35	-1.22	48.25	-0.83	46.5	-2.7	45.8	-3.82	46.9	-2.68	42.2	-8.54	40	-0.65	
	45	-0.49	53.1	0.91	56.45	0.05	55.85	-0.89	55.85	-0.33	54.85	-1.54	53	-2.99	54.85	-2.38	49.7	-7.87	45	-0.65	
	50	-0.49	61.35	0.99	63.9	0.17	63.3	-0.66	63.8	0.01	62.35	-0.75	60.45	-2.33	62.3	-2.05	57.15	-7.14	50	-0.65	
	55	-0.49	69.8	1.01	71.4	0.31	70.8	-0.44	71.3	0.2	70.4	-0.14	68.65	-1.76	69.55	-1.82	65.1	-6.53	55	-0.65	
	60	-0.49	77.95	0.97	79.4	0.45	78.1	-0.38	78.9	0.26	78.05	0.18	76.25	-1.4	77.6	-1.67	72.2	-6.13	60	-0.65	
	65	-0.49	85.5	0.91	86.6	0.52	86.55	-0.41	86.1	0.21	85.6	0.29	83.75	-1.2	85.1	-1.62	79.5	-5.94	65	-0.65	
	70	-0.49	92.7	0.79	94.5	0.55	94.4	-0.54	94.05	0.05	93.15	0.18	91.25	-1.17	92.55	-1.75	87.75	-5.99	70	-0.65	
	75	-0.49	100.25	0.7	102.1	0.51	103.55	-0.78	101.75	-0.22	100.85	-0.14	98.7	-1.27	100.2	-1.97	95.35	-6.29	75	-0.65	
	80	-0.49	108.25	0.58	109.25	0.39	111.1	-1.05	108.95	-0.68	108.35	-0.7	106.7	-1.62	107.85	-2.35	102.9	-6.82	80	-0.65	
	85	-0.49	115.6	0.45	117.4	0.2	118.75	-1.37	116.6	-1.24	116.05	-1.49	114.2	-2.14	114.85	-2.92	110.95	-7.62	85	-0.65	
	90	-0.49	123.75	0.34	125.3	-0.14	126.3	-1.77	124.25	-2.01	124	-2.61	122.2	-3.03	122.4	-3.67	118.5	-8.6	90	-0.65	
	95	-0.49	130.95	0.23	132.9	-0.52	133.85	-2.25	132.3	-3.02	131.95	-4.08	130.4	-4.29	129.9	-4.58	126	-9.77	95	-0.65	
	100	-0.49	138.95	0.08	140.45	-0.98	141.25	-2.74	140.35	-4.16	139.55	-5.98	138.05	-5.9	138.1	-5.5	133.35	-10.99	100	-0.65	
	105	-0.49	146.1	-0.07	148.65	-1.47	148.75	-3.21	147.9	-5.2	147.1	-7.98	145.75	-7.71	145.75	-6.02	141.05	-11.85	105	-0.65	
	110	-0.49	154.1	-0.23	156.2	-1.91	156.15	-3.54	155.45	-5.41	154.6	-8.61	153.2	-8.36	153.25	-5.76	148.65	-11.95	110	-0.65	
	115	-0.49	162.35	-0.4	163.15	-2.22	163.3	-3.71	163	-4.75	162.05	-7.02	161.85	-6.92	161.2	-4.8	156.25	-11.19	115	-0.65	
	120	-0.49	169.8	-0.57	171.8	-2.49	170.95	-3.59	170.6	-3.62	169.5	-4.84	168.9	-4.95	168.8	-3.62	163.75	-9.93	120	-0.65	
	125	-0.49	177.85	-0.66	179	-2.58	179.1	-3.32	178.2	-2.74	177.75	-3.09	176.9	-3.23	176.3	-2.59	171.3	-8.66	125	-0.65	
	130	-0.49	185.35	-0.78	186.5	-2.61	186.6	-3.13	185.4	-2.34	185.45	-2.28	185.5	-2.15	183.8	-1.73	179.05	-7.53	130	-0.65	
	135	-0.49	192.85	-0.84	194	-2.7	194.1	-3.12	193.4	-2.68	193.85	-2.46	192.7	-1.71	191.3	-1.08	186.55	-6.61	135	-0.65	
	140	-0.49	200.35	-0.88	202.05	-2.77	202.05	-3.28	201.1	-3.99	201.05	-3.58	200.15	-1.85	198.6	-0.66	194.2	-5.95	140	-0.65	
	145	-0.49	208.3	-0.94	209.25	-2.86	209.2	-3.53	208.6	-6.24	209.7	-6.1	208.05	-2.45	206.35	-0.47	201.65	-5.47	145	-0.65	
	150	-0.49	215.85	-0.97	216.8	-2.91	216.95	-3.73	216.1	-9.23	216.7	-9.46	215.6	-3.3	214.35	-0.25	209.15	-5.13	150	-0.65	
	155	-0.49	223.85	-0.99	224.35	-2.77	224.45	-3.62	223.7	-10.1	224.2	-10.5	223.6	-4.02	222.6	-0.1	216.75	-4.98	155	-0.65	
	160	-0.49	231.55	-1	232.3	-2.41	231.8	-3.08	231.35	-7.37	232.5	-6.86	231.55	-3.87	229.9	0.06	224.75	-4.86	160	-0.65	
	165	-0.49	238.65	-1.03	239.95	-1.92	239.95	-2.28	239.4	-4.53	240.05	-4.02	239.05	-3.04	237.5	0.32	232.2	-4.72	165	-0.65	
	170	-0.49	246.2	-1.04	247.6	-1.31	247.2	-1.47	246.95	-2.73	247.55	-2.04	247	-1.99	245	0.58	240.6	-4.49	170	-0.65	
	175	-0.49	254.6	-1.04	254.7	-0.82	255.25	-0.8	254.55	-1.67	255.1	-0.95	254.4	-1.04	253	0.87	248.1	-4.18	175	-0.65	
	180	-0.49	262.1	-0.99	262.2	-0.41	263.05	-0.42	262.05	-1.18	263.25	-0.51	262.6	-0.49	260	1.11	255.6	-3.76	180	-0.65	
	185	-0.49	269.55	-0.92	270.15	-0.18	270.6	-0.3	269.4	-1.21	270.25	-0.57	269.75	-0.27	267.95	1.3	263.1	-3.25	185	-0.65	
	190	-0.49	277.1	-0.82	277.65	-0.12	278.1	-0.51	277.45	-1.73	277.7	-1.07	277.95	-0.28	276.4	1.47	270.65	-2.78	190	-0.65	
	195	-0.49	284.65	-0.74	285.2	-0.22	285.7	-1.06	285	-2.72	285.2	-2.06	286.1	-0.48	283.4	1.49	278.7	-2.21	195	-0.65	
	200	-0.49	292.2	-0.62	292.8	-0.43	293.55	-1.93	292.55	-4.18	293.25	-3.56	293.6	-0.75	292	1.45	286.35	-1.8	200	-0.65	
	205	-0.49	300.15	-0.46	300.35	-0.66	300.85	-2.86	300.15	-6.14	300.85	-5.06	301.1	-0.97	300.75	1.32	293.9	-1.47	205	-0.65	
	210	-0.49	308.1	-0.34	307.95	-0.81	308.95	-3.6	307.15	-7.59	308.5	-5.89	308.65	-1.04	307.9	1.17	301.4	-1.27	210	-0.65	
	215	-0.49	315.5	-0.24	315.45	-0.85	316.55	-3.55	315.1	-7.01	315.65	-5.21	316.25	-0.95	315.45	0.96	308.85	-1.21	215	-0.65	
	220	-0.49	323.2	-0.2	323.45	-0.71	324.2	-2.75	322.45	-5.04	323.6	-3.59	323.4	-0.8	322.9	0.72	316.15	-1.28	220	-0.65	
	225	-0.49	331.35	-0.16	330.95	-0.45	331.7	-1.59	330.85	-2.93	331.15	-2.16	331.55	-0.67	331.25	0.4	324.35	-1.48	225	-0.65	
	230	-0.49	338.95	-0.12	338.5	-0.18	339.2	-0.63	338.35	-1.63	338.75	-1.11	339.15	-0.64	339.35	0.09	331.8	-1.83	230	-0.65	
	235	-0.49	346.55	-0.12	346.35	0.03	346.75	-0.03	345.9	-0.99	345.7	-0.62	346.3	-0.84	346.95	-0.3	339.5	-2.33	235	-0.65	
	240	-0.49	352.75	-0.08	353.05	0.18	353.05	0.24	353	-0.88	353	-0.7	353.2	-1.34	352.9	-0.8	346.65	-3.01	240	-0.65	
	245	-0.49	355	-0.09	355	0.17	355	0.24	355	-0.89	355	-0.73	355	-1.37	355	-0.79	352.95	-3.9	245	-0.65	
	250	-0.49	360	-0.02	360	0.21	360	0.11	360	-1.38	360	-1.37	360	-2.15	360	-1.36	355	-3.91	250	-0.65	
	255	-0.49															360	-5.15	255	-0.65	
	260	-0.49																	260	-0.65	
	265	-0.49																	265	-0.65	
	270	-0.49																	270	-0.65	
	275	-0.49																	275	-0.65	
	280	-0.49																	280	-0.65	
	285	-0.49																	285	-0.65	
	290	-0.49																	290	-0.65	
	295	-0.49																	295	-0.65	
	300	-0.49																	300	-0.65	
	305	-0.49																	305	-0.65	
	310	-0.49																	310	-0.65	
	315	-0.49																	315	-0.65	
	320	-0.49																	320	-0.65	
	325	-0.49																	325	-0.65	
	330	-0.49																	330	-0.65	
	335	-0.49																	335	-0.65	
	340	-0.49																	340	-0.65	
	345	-0.49																	345	-0.65	
	350	-0.49																	350	-0.65	
	355	-0.49																			

230	Theta Ang	0	20	40	60	80	100	120	140	160	180		
	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response	Phi Angle	Response (dB)	
0	-0.56	0	-0.03	0	0.3	0	0.19	0	-1.14	0	-1.28	0	-0.82
5	-0.56	0	-0.03	0.05	0.31	0	0.19	0.05	-1.13	0	-1.28	0	-0.82
10	-0.56	1.65	-0.03	3.4	0.3	2.5	0.22	2.9	-1.14	0.8	-1.31	1.6	-0.82
15	-0.56	7.4	0.04	10.85	0.24	10.3	-0.2	9.95	-1.84	6.15	-1.7	7.6	-0.82
20	-0.56	15.05	0.2	18.35	0.11	17.8	-0.81	18.1	-2.59	14.55	-3.25	15.25	-0.82
25	-0.56	22.5	0.36	26.2	-0.01	25.35	-1.38	25.3	-2.79	22.65	-4.48	22.7	-0.82
30	-0.56	30.05	0.57	33.95	-0.11	32.45	-1.67	32.95	-2.25	30.7	-4.63	30.2	-0.82
35	-0.56	38.05	0.73	41.5	-0.13	40.25	-1.63	41	-1.41	38.4	-3.64	38.2	-0.82
40	-0.56	45.6	0.87	49	-0.04	48.35	-1.25	48.25	-0.69	46.5	-2.28	45.8	-0.82
45	-0.56	53.1	0.97	56.45	0.03	55.85	-0.81	55.85	-0.08	54.85	-1.15	53	-0.82
50	-0.56	61.35	1.02	63.9	0.22	63.3	-0.46	63.8	0.28	62.35	-0.31	60.45	-0.82
55	-0.56	69.8	1.02	71.4	0.39	70.8	-0.21	71.3	0.46	70.4	0.21	68.65	-0.82
60	-0.56	77.95	0.96	79.4	0.55	78.1	-0.1	78.9	0.56	78.05	0.54	76.25	-0.82
65	-0.56	85.5	0.89	86.6	0.65	86.55	-0.13	86.1	0.5	85.6	0.59	83.75	-0.82
70	-0.56	92.7	0.79	94.5	0.69	94.4	-0.29	94.05	0.36	93.15	0.51	91.25	-0.82
75	-0.56	100.25	0.67	102.1	0.67	103.55	-0.48	101.75	0.1	100.85	0.22	98.7	-0.82
80	-0.56	108.25	0.58	109.25	0.53	111.1	-0.79	108.95	-0.28	108.35	-0.26	106.7	-0.82
85	-0.56	115.6	0.43	117.4	0.32	118.75	-1.13	116.6	-0.84	116.05	-1.01	114.2	-0.82
90	-0.56	123.75	0.31	125.3	0.03	126.3	-1.54	124.25	-1.63	124	-2.07	122.2	-0.82
95	-0.56	130.95	0.17	132.9	-0.35	133.85	-2.02	132.3	-2.68	131.95	-3.48	130.4	-0.82
100	-0.56	138.95	0.06	140.45	-0.81	141.25	-2.55	140.35	-3.9	139.55	-5.47	138.05	-0.82
105	-0.56	146.1	-0.1	148.65	-1.35	148.75	-3.08	147.9	-5.13	147.1	-7.72	145.75	-0.82
110	-0.56	154.1	-0.26	156.2	-1.78	156.15	-3.43	155.45	-5.49	154.6	-8.87	153.2	-0.82
115	-0.56	162.35	-0.46	163.15	-2.08	163.3	-3.49	163	-4.77	162.05	-7.37	161.85	-0.82
120	-0.56	169.8	-0.63	171.8	-2.37	170.95	-3.39	170.6	-3.52	169.5	-4.98	168.9	-0.82
125	-0.56	177.85	-0.76	179	-2.52	179.1	-3.13	178.2	-2.48	177.75	-3	176.9	-0.82
130	-0.56	185.35	-0.87	186.5	-2.55	186.6	-2.98	185.4	-2.01	185.45	-2.03	185.5	-0.82
135	-0.56	192.85	-0.95	194	-2.65	194.1	-3.06	193.4	-2.3	193.85	-2.11	192.7	-0.82
140	-0.56	200.35	-0.96	202.05	-2.79	202.05	-3.3	201.1	-3.5	201.05	-3.12	200.15	-0.82
145	-0.56	208.3	-0.98	209.25	-2.88	209.2	-3.62	208.6	-5.76	209.7	-5.5	208.05	-0.82
150	-0.56	215.85	-0.95	216.8	-2.88	216.95	-3.8	216.1	-8.87	216.7	-8.87	215.6	-0.82
155	-0.56	223.85	-0.92	224.35	-2.68	224.45	-3.66	223.7	-10.11	224.2	-10.51	223.6	-0.82
160	-0.56	231.55	-0.88	232.3	-2.25	231.8	-3	231.35	-7.33	232.5	-7.02	231.55	-0.82
165	-0.56	238.65	-0.84	239.95	-1.7	239.95	-2.13	239.4	-4.41	240.05	-3.95	239.05	-0.82
170	-0.56	246.2	-0.81	247.6	-1.13	247.2	-1.26	246.95	-2.53	247.55	-1.92	247	-0.82
175	-0.56	254.6	-0.78	254.7	-0.55	255.25	-0.54	254.55	-1.38	255.1	-0.83	254.4	-0.82
180	-0.56	262.1	-0.75	262.2	-0.18	263.05	-0.11	262.05	-0.84	263.25	-0.26	262.6	-0.82
185	-0.56	269.55	-0.71	270.15	0.01	270.6	0	269.4	-0.82	270.25	-0.31	269.75	-0.82
190	-0.56	277.1	-0.68	277.65	0.05	278.1	-0.22	277.45	-1.31	277.7	-0.79	277.95	-0.82
195	-0.56	284.65	-0.6	285.2	-0.11	285.7	-0.78	285	-2.25	285.2	-1.8	286.1	-0.82
200	-0.56	292.2	-0.56	292.8	-0.39	293.55	-1.72	292.55	-3.75	293.25	-3.33	293.6	-0.82
205	-0.56	300.15	-0.5	300.35	-0.66	300.85	-2.78	300.15	-5.74	300.85	-4.94	301.1	-0.82
210	-0.56	308.1	-0.4	307.95	-0.9	308.95	-3.64	307.15	-7.47	308.5	-5.91	308.65	-0.82
215	-0.56	315.5	-0.32	315.45	-0.92	316.55	-3.69	315.1	-7.19	315.65	-5.27	316.25	-0.82
220	-0.56	323.2	-0.29	323.45	-0.79	324.2	-2.85	322.45	-5.17	323.6	-3.53	323.4	-0.82
225	-0.56	331.35	-0.26	330.95	-0.5	331.7	-1.65	330.85	-2.91	331.15	-2.03	331.55	-0.82
230	-0.56	338.95	-0.25	338.5	-0.2	339.2	-0.6	338.35	-1.5	338.75	-0.92	339.15	-0.82
235	-0.56	346.55	-0.21	346.35	0.08	346.75	0.05	345.9	-0.79	345.7	-0.45	346.3	-0.82
240	-0.56	352.75	-0.15	353.05	0.26	353.05	0.33	353	-0.64	353	-0.52	353.2	-0.82
245	-0.56	355	-0.15	355	0.26	355	0.35	355	-0.63	355	-0.55	355.2	-0.82
250	-0.56	360	-0.03	360	0.3	360	0.19	360	-1.14	360	-1.28	360	-0.82
255	-0.56											355	-0.82
260	-0.56											260	-0.82
265	-0.56											265	-0.82
270	-0.56											270	-0.82
275	-0.56											275	-0.82
280	-0.56											280	-0.82
285	-0.56											285	-0.82
290	-0.56											290	-0.82
295	-0.56											295	-0.82
300	-0.56											300	-0.82
305	-0.56											305	-0.82
310	-0.56											310	-0.82
315	-0.56											315	-0.82
320	-0.56											320	-0.82
325	-0.56											325	-0.82
330	-0.56											330	-0.82
335	-0.56											335	-0.82
340	-0.56											340	-0.82
345	-0.56											345	-0.82
350	-0.56											350	-0.82
355	-0.56											355	-0.82
360	-0.56											360	-0.82

Total	Frequency	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	
	Point Values																				
	Ant. Port I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Tot. Rad. I	-2.88736	-2.85736	-3.12895	-2.84964	-2.69889	-2.51073	-2.401	-2.41681	-2.22116	-2.0821	-2.05768	-1.94425	-1.89146	-1.86598	-1.69267	-1.73086	-1.84811	-1.83256	-1.68347	
	Peak EIRP	0.82144	0.772196	0.421059	0.630151	0.655059	0.779682	0.891558	1.1684	1.34451	1.44525	1.39277	1.424	1.48313	1.59166	1.83087	1.81332	1.60814	1.4911	1.55392	
	Directivity	3.7088	3.62956	3.55001	3.47979	3.35395	3.29041	3.29256	3.58521	3.56567	3.52735	3.45045	3.36825	3.37459	3.45764	3.52354	3.54418	3.45625	3.32366	3.23739	
	Efficiency	-2.88736	-2.85736	-3.12895	-2.84964	-2.69889	-2.51073	-2.401	-2.41681	-2.22116	-2.0821	-2.05768	-1.94425	-1.89146	-1.86598	-1.69267	-1.73086	-1.84811	-1.83256	-1.68347	
	Efficiency	51.4356	51.7921	48.6525	51.8843	53.7169	56.0954	57.5307	57.3217	59.9631	61.9142	62.2633	63.9109	64.6925	65.0731	67.7225	67.1296	65.3415	65.5758	67.8662	
	Gain (dBi)	0.82144	0.772196	0.421059	0.630151	0.655059	0.779682	0.891558	1.1684	1.34451	1.44525	1.39277	1.424	1.48313	1.59166	1.83087	1.81332	1.60814	1.4911	1.55392	
	NHPRP ±Pi	-4.7359	-4.72984	-5.00973	-4.73309	-4.57846	-4.39501	-4.3154	-4.32204	-4.14359	-4.00406	-3.96204	-3.82463	-3.76083	-3.74241	-3.58288	-3.62791	-3.72404	-3.66638	-3.47916	
	NHPRP ±Pi	-6.56431	-6.5654	-6.84347	-6.55818	-6.39257	-6.2051	-6.14059	-6.1421	-5.96788	-5.8187	-5.7572	-5.60078	-5.53314	-5.52567	-5.38282	-5.43372	-5.5112	-5.42296	-5.20906	
	NHPRP ±Pi	-7.88166	-7.8888	-8.17023	-7.88371	-7.71447	-7.52653	-7.46704	-7.47035	-7.29841	-7.14324	-7.0728	-6.90682	-6.83573	-6.83227	-6.69437	-6.74485	-6.80823	-6.69952	-6.46843	
	Upper Her	-5.68616	-5.65089	-5.91201	-5.60824	-5.42163	-5.18928	-5.02469	-5.13509	-4.88432	-4.7151	-4.66226	-4.51981	-4.44464	-4.41607	-4.25392	-4.31213	-4.45259	-4.4492	-4.30854	
	Lower Her	-6.11998	-6.09582	-6.37903	-6.12712	-6.01716	-5.88023	-5.83572	-5.7402	-5.60877	-5.50562	-5.51554	-5.4377	-5.41271	-5.39111	-5.20387	-5.21727	-5.3061	-5.2758	-5.11652	
	NHPRP4 /	-1.84854	-1.87248	-1.88078	-1.88345	-1.87957	-1.88428	-1.9144	-1.90523	-1.92243	-1.92196	-1.90436	-1.88038	-1.86937	-1.87643	-1.8902	-1.89705	-1.87592	-1.83382	-1.7957	
	NHPRP4 /	65.335	64.9759	64.8518	64.8119	64.8699	64.7995	64.3517	64.4878	64.2328	64.2398	64.5006	64.8577	65.0224	64.9168	64.7112	64.6094	64.9243	65.5569	66.1348	
	Near Horz	-3.23075	-3.22469	-3.50458	-3.22794	-3.07331	-2.88986	-2.81025	-2.81689	-2.63844	-2.49891	-2.45689	-2.31948	-2.25568	-2.23726	-2.07773	-2.12276	-2.21889	-2.16123	-1.97401	
	NHPRP6 /	-3.67695	-3.70804	-3.71452	-3.70854	-3.69368	-3.69437	-3.73959	-3.72529	-3.74673	-3.7366	-3.69952	-3.65653	-3.64168	-3.65969	-3.69015	-3.70286	-3.66309	-3.59039	-3.52556	
	NHPRP6 /	42.885	42.5791	42.5155	42.5741	42.7201	42.7133	42.2708	42.4103	42.2015	42.3	42.6627	43.0871	43.2346	43.0557	42.7548	42.6299	43.022	43.7483	44.4059	
	Near Horz	-3.55401	-3.5551	-3.83317	-3.54788	-3.38227	-3.1948	-3.13029	-3.1318	-2.95758	-2.8084	-2.7469	-2.59048	-2.52284	-2.51537	-2.37252	-2.42342	-2.5009	-2.41266	-2.19876	
	NHPRP8 /	-4.9943	-5.03144	-5.04129	-5.03407	-5.01558	-5.01581	-5.06604	-5.05354	-5.07725	-5.06114	-5.01512	-4.96257	-4.94428	-4.96628	-5.00169	-5.01399	-4.96012	-4.86696	-4.78496	
	NHPRP8 /	31.6643	31.3947	31.3236	31.3756	31.5096	31.5079	31.1456	31.2353	31.0653	31.1807	31.5129	31.8965	32.0311	31.8692	31.6104	31.5211	31.9145	32.6065	33.228	
	Near Horz	-3.71005	-3.71719	-3.99863	-3.71211	-3.54286	-3.35493	-3.29544	-3.29875	-3.1268	-2.97163	-2.9012	-2.73521	-2.66413	-2.66066	-2.52276	-2.57324	-2.63663	-2.52792	-2.29682	
	UHPRP / T	-2.7988	-2.79353	-2.78306	-2.7586	-2.72273	-2.67855	-2.62369	-2.71827	-2.66316	-2.633	-2.60459	-2.57556	-2.55319	-2.55009	-2.56125	-2.58127	-2.60448	-2.61664	-2.62508	
	UHPRP / T	52.4952	52.559	52.6858	52.9834	53.4228	53.9691	54.6551	53.4777	54.1607	54.5381	54.8961	55.2643	55.5497	55.5893	55.4466	55.1916	54.8975	54.744	54.6377	
	Upper Her	-2.67586	-2.64059	-2.90171	-2.59794	-2.41133	-2.17898	-2.01439	-2.12479	-1.87402	-1.7048	-1.65196	-1.50951	-1.43434	-1.40577	-1.24362	-1.30183	-1.44229	-1.4389	-1.29824	
	LHPRP / Ti	-3.23263	-3.23846	-3.25009	-3.27749	-3.31827	-3.3695	-3.43472	-3.32339	-3.38762	-3.42352	-3.45786	-3.49345	-3.52125	-3.52513	-3.5112	-3.48641	-3.45799	-3.44324	-3.43305	
	LHPRP / Ti	47.5048	47.441	47.3142	47.0166	46.5772	46.0309	45.3449	46.5223	45.8393	45.4619	45.1039	44.7357	44.4503	44.4107	44.5534	44.8084	45.1025	45.256	45.3623	
	Lower Her	-3.10968	-3.08552	-3.36873	-3.11682	-3.00686	-2.86993	-2.82542	-2.7299	-2.59847	-2.49532	-2.50524	-2.4274	-2.40241	-2.38081	-2.19357	-2.20697	-2.2958	-2.2655	-2.10622	
	PRP (dBm)	-4.27897	-4.2516	-4.51576	-4.21734	-4.03804	-3.82111	-3.68453	-3.75918	-3.52797	-3.36049	-3.30401	-3.16172	-3.09238	-3.06751	-2.90226	-2.94465	-3.05558	-3.02346	-2.86355	
	Front/Bac	3.75603	3.19264	2.88356	2.57601	2.29825	1.84964	1.37721	1.33389	1.18197	1.2017	1.24696	1.23279	1.16957	1.12027	1.20826	1.1557	1.11457	1.00236	0.906983	
	Phi BW (*)	77	28	27	29	28	92	124	120	120	122	123	124	124	60	63	62	62	62	62	
	#NAME?	12	10	10	20	9	59	94	92	92	94	95	96	96	33	33	32	32	32	32	
	#NAME?	65	18	17	9	19	33	30	28	28	28	28	28	28	27	30	30	30	30	30	
	Theta BW	29	34	94	33	34	70	32	32	33	34	35	35	36	35	34	35	37	38	38	
	#NAME?	16	14	13	18	15	49	10	10	10	9	9	9	10	10	10	10	10	10	10	
	#NAME?	13	20	81	15	19	21	22	22	23	25	26	26	26	25	24	25	27	28	28	
	Boresight	55	355	340	185	0	292	283.4	276.4	276.4	276.4	276.4	276.4	276.4	276.4	283.4	283.4	283.4	283.4	283.4	
	Boresight	180	180	180	180	180	140	140	140	140	140	140	140	140	140	140	140	140	140	140	
	Maximum	0.82144	0.772196	0.421059	0.630151	0.655059	0.779682	0.891558	1.1684	1.34451	1.44525	1.39277	1.424	1.48313	1.59166	1.83087	1.81332	1.60814	1.4911	1.55392	
	Minimum	-12.4103	-12.4537	-12.6429	-12.161	-11.8083	-11.5825	-11.5677	-11.4929	-11.4162	-11.5833	-12.1394	-12.3015	-12.2815	-11.9039	-11.5317	-11.6265	-11.9113	-11.9533	-11.6843	
	Average P	-2.30657	-2.22946	-2.47772	-2.17358	-2.01754	-1.82149	-1.68236	-1.71661	-1.51725	-1.37921	-1.38153	-1.31845	-1.31308	-1.32099	-1.15901	-1.21116	-1.36954	-1.43044	-1.3614	
	Max/Min	13.2318	13.2258	13.064	12.7911	12.4633	12.3622	12.4593	12.6613	12.7607	13.0285	13.5321	13.7255	13.7646	13.4956	13.3626	13.4398	13.5194	13.4444	13.2382	
	Max/Avg f	3.12801	3.00165	2.89878	2.80373	2.6726	2.60117	2.57392	2.88501	2.86176	2.82447	2.7743	2.74246	2.79622	2.91264	2.98988	3.02447	2.97768	2.92153	2.91533	
	Min/Avg f	-10.1037	-10.2242	-10.1652	-9.98737	-9.79073	-9.76099	-9.88535	-9.7763	-9.89893	-10.2041	-10.7578	-10.9831	-10.9684	-10.5829	-10.3727	-10.4153	-10.5417	-10.5229	-10.3229	
	Minimum	-12.4103	-12.4537	-12.6429	-12.161	-11.8083	-11.5825	-11.5677	-11.4929	-11.4162	-11.5833	-12.1394	-12.3015	-12.2815	-11.9039	-11.5317	-11.6265	-11.9113	-11.9533	-11.6843	
	Maximum	0.82144	0.772196	0.421059	0.630151	0.655059	0.779682	0.891558	1.1684	1.34451	1.44525	1.39277	1.424	1.48313	1.59166	1.83087	1.81332	1.60814	1.4911	1.55392	
	Average G	-2.88736	-2.85736	-3.12895	-2.84964	-2.69889	-2.51073	-2.401	-2.41681	-2.22116	-2.0821	-2.05768	-1.94425	-1.89146	-1.86598	-1.69267	-1.73086	-1.84811	-1.83256	-1.68347	
	E-Plane Bv	33	34	85	99	102	55	98	110	110	111	113	220	219	62	67	68	69	68	66	
	#NAME?	13	14	13	85	14	17	54	42	42	42	42	41	40	40	49	50	51	50	48	
	#NAME?	20	20	72	14	88	38	44	68	68	69	71	179	179	22	18	18	18	18	18	
	H-Plane Bv	27	27	28	28	28	62	65	35	36	37	39	40	39	38	64	64	44	116	120	
	#NAME?	10	10	11	18	10	34	39	11	11	11	11	11	11	11	35	34	12	12	11	
	#NAME?	17	17	17	10	18	28	26	24	25	26	28	29	28	27	29	30	32	104	109	