

5150 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)
0	3.51	3.65	3.96	4.20	4.11	3.54	2.61	1.58	0.66	-0.12	-0.79	-1.42	-2.13	-3.07	-4.19	-5.07	-5.36	-5.13	-4.78	-4.47	-4.17	-3.74	-3.22	-2.80	-3.02	-3.61	-4.51	-5.40	-6.02	-6.70	-7.10	-7.10	-6.21	-5.16	-4.10	-3.25	-2.50	-1.90
5	3.51	3.61	3.88	4.11	4.01	3.45	2.50	1.41	0.35	-0.43	-1.06	-1.69	-2.40	-3.06	-4.08	-5.15	-7.73	4.62	5.59	-5.17	-5.05	-4.82	-4.27	-3.73	-3.58	-4.02	-4.88	-5.77	-6.33	-6.93	-7.10	-6.18	-5.16	-4.16	-3.54	-3.10	-2.50	
10	3.51	3.52	3.79	4.01	3.91	3.35	2.40	1.31	0.25	-0.53	-1.16	-1.79	-2.50	-3.16	-4.18	-5.25	-7.83	4.60	5.66	-5.77	-5.73	-5.53	-4.93	-4.43	-4.10	-4.50	-5.38	-6.26	-7.00	-7.10	-6.33	-5.28	-4.28	-3.54	-3.10	-2.50		
15	3.51	3.52	3.88	3.95	3.73	3.18	2.25	1.08	0.25	-0.78	-1.40	-2.02	-2.68	-3.40	-4.07	-4.83	-6.10	-7.99	-4.45	-4.15	-4.48	-4.68	-4.95	-4.68	-4.74	-5.13	-6.06	-6.80	-7.28	-5.96	-4.86	-3.82	-3.10	-2.50	-2.10	-1.50		
20	3.51	3.47	3.58	3.68	3.68	3.53	2.99	2.08	0.93	-0.52	-1.20	-1.83	-2.49	-3.30	-4.09	-5.08	-6.19	-7.48	-4.04	-3.74	-4.04	-4.24	-4.50	-4.68	-4.95	-5.64	-6.58	-7.49	-7.54	-7.79	-6.40	-5.28	-4.12	-3.62	-3.10	-2.50		
25	3.51	3.42	3.48	3.50	3.33	3.31	2.77	1.91	0.76	-0.75	-1.24	-1.80	-2.48	-3.30	-4.09	-5.07	-6.07	-7.06	-4.78	-4.48	-4.55	-4.81	-5.07	-5.28	-5.43	-5.70	-6.42	-7.11	-7.43	-7.02	-7.38	-6.07	-5.28	-4.68	-4.10	-3.54		
30	3.51	3.37	3.34	3.38	3.05	3.51	1.68	0.97	-0.37	-1.06	-1.57	-2.08	-2.68	-3.40	-4.08	-5.06	-6.07	-7.07	-4.28	-4.28	-4.28	-4.55	-4.82	-5.07	-5.28	-5.43	-5.70	-6.42	-7.11	-7.43	-7.02	-7.38	-6.07	-5.28	-4.68	-4.10	-3.54	
35	3.51	3.32	3.31	3.30	2.92	3.47	1.41	0.71	-0.31	-1.00	-1.51	-2.02	-2.62	-3.34	-4.02	-5.00	-6.01	-7.01	-4.29	-4.29	-4.29	-4.56	-4.83	-5.08	-5.29	-5.44	-5.71	-6.43	-7.12	-7.44	-7.03	-7.39	-6.08	-5.29	-4.69	-4.11	-3.55	
40	3.51	3.32	3.30	3.29	2.87	3.50	1.34	0.67	-0.40	-1.09	-1.60	-2.11	-2.71	-3.43	-4.11	-5.09	-6.10	-7.24	-4.15	-4.37	-4.37	-4.64	-4.91	-5.16	-5.37	-5.52	-5.79	-6.51	-7.20	-7.52	-7.11	-7.48	-6.16	-5.37	-4.77	-4.20	-3.64	
45	3.51	3.23	3.29	3.27	2.23	3.64	0.87	-0.18	-1.64	-3.40	-4.40	-5.58	-6.81	-8.28	-10.00	-11.78	-13.63	-16.00	-17.45	-18.45	-19.45	-20.45	-21.45	-22.45	-23.45	-24.45	-25.45	-26.45	-27.45	-28.45	-29.45	-30.45	-31.45	-32.45	-33.45	-34.45	-35.45	
50	3.51	3.19	3.26	3.24	2.30	3.38	0.64	-0.38	-1.79	-3.48	-4.58	-5.88	-7.23	-8.82	-10.66	-12.66	-14.82	-16.55	-17.85	-18.85	-19.85	-20.85	-21.85	-22.85	-23.85	-24.85	-25.85	-26.85	-27.85	-28.85	-29.85	-30.85	-31.85	-32.85	-33.85	-34.85	-35.85	
55	3.51	3.17	3.23	3.21	2.27	3.35	0.59	-0.43	-1.84	-3.53	-4.63	-5.93	-7.28	-8.87	-10.71	-12.71	-14.87	-16.60	-17.90	-18.90	-19.90	-20.90	-21.90	-22.90	-23.90	-24.90	-25.90	-26.90	-27.90	-28.90	-29.90	-30.90	-31.90	-32.90	-33.90	-34.90	-35.90	
60	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
65	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
70	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
75	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
80	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
85	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
90	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
95	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
100	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
105	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
110	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
115	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
120	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
125	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
130	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
135	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
140	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
145	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
150	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
155	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
160	3.51	3.13	3.20	3.17	2.18	3.40	0.54	-0.53	-1.94	-3.62	-4.72	-6.02	-7.37	-8.96	-10.80	-12.80	-14.96	-16.69	-18.00	-19.00	-20.00	-21.00	-22.00	-23.00	-24.00	-25.00	-26.00	-27.00	-28.00	-29.00	-30.00	-31.00	-32.00	-33.00	-34.00	-35.00		
165	3.																																					

5850 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)
0	3.05	4.04	4.98	5.40	5.30	4.29	2.76	1.41	0.91	1.02	1.11	0.74	-0.13	-1.52	-3.00	-4.20	-4.72	-4.30	-3.03	-1.70	-0.00	-1.42	-4.49	-5.13	-4.07	-2.30	-4.39	-8.02	-6.07	-10.90	-12.04	-12.30	-11.87	-11.90	-13.03	-14.75	-15.43	
5	3.05	3.97	4.85	5.30	5.30	4.32	2.75	1.19	0.40	0.44	0.43	0.42	0.43	-0.32	-3.00	-4.08	-4.57	-5.62	-4.46	-3.05	-3.03	-4.19	-4.73	-5.48	-4.46	-2.93	-4.46	-9.37	-7.07	-12.25	-10.89	-12.74	-12.16	-11.25	-13.21	-14.80	-15.43	
10	3.05	3.96	4.79	5.25	5.19	4.29	2.76	1.10	0.26	0.28	0.27	0.26	0.27	-0.40	-3.00	-4.06	-4.57	-5.60	-4.46	-3.05	-3.03	-4.19	-4.73	-5.48	-4.46	-2.93	-4.46	-9.37	-7.07	-12.25	-10.89	-12.74	-12.16	-11.25	-13.21	-14.80	-15.43	
15	3.05	3.80	4.56	5.00	5.03	4.26	2.84	1.13	-0.23	-0.62	-0.94	-1.10	-1.30	-0.00	-4.20	-2.77	-2.80	-1.81	-0.54	-0.46	-0.45	-4.13	-4.56	-5.46	-5.46	-4.16	-3.16	-10.31	-10.32	-14.28	-13.33	-12.96	-12.97	-13.00	-13.77	-15.03	-15.43	
20	3.05	3.70	4.30	4.86	4.84	4.14	2.93	1.30	-0.40	-0.90	-1.40	-2.15	-3.20	-1.11	-7.80	-1.10	-1.15	-0.95	-0.92	4.93	-4.41	-4.96	-5.24	-6.05	-7.15	-6.28	-4.20	-5.67	-12.66	-11.46	-12.67	-12.65	-12.67	-13.34	-15.04	-15.43		
25	3.05	3.60	4.19	4.61	4.60	4.04	2.99	1.71	0.52	-0.40	-1.35	-2.57	-4.27	-4.47	-1.10	-12.33	-1.33	-1.63	-0.63	-0.43	-5.96	-5.93	-6.82	-7.82	-9.10	-10.08	-10.38	-10.48	-14.58	-13.27	-13.28	-12.68	-13.81	-14.71	-14.33	-15.25	-15.43	
30	3.05	3.40	3.90	4.32	4.30	3.80	2.88	1.90	1.07	0.27	-0.75	-2.23	-4.22	-4.62	-0.85	-10.79	-1.40	-1.62	-0.80	-0.28	-7.25	-4.40	-4.30	-4.79	-5.96	-6.85	-12.88	-10.19	-16.23	-13.07	-13.02	-11.86	-14.11	-14.58	-14.58	-15.43		
35	3.05	3.40	3.80	4.20	4.20	3.70	2.88	2.10	1.06	0.27	-0.75	-2.23	-4.22	-4.62	-0.85	-10.79	-1.40	-1.62	-0.80	-0.28	-7.25	-4.40	-4.30	-4.79	-5.96	-6.85	-12.88	-10.19	-16.23	-13.07	-13.02	-11.86	-14.11	-14.58	-14.58	-15.43		
40	3.05	3.27	3.62	4.00	3.96	3.51	2.50	1.97	1.57	1.00	0.23	-1.12	-2.81	-4.68	-6.15	-2.24	-7.71	-7.50	-6.02	-4.19	-4.00	-4.37	-5.20	-6.30	-8.63	-11.58	-11.58	-13.90	-10.78	-10.96	-11.69	-14.04	-14.64	-14.64	-15.43			
45	3.05	3.15	3.29	3.34	3.12	2.61	2.00	1.65	1.29	0.94	0.20	-1.01	-2.65	-4.60	-6.64	-4.60	-6.17	-6.17	-5.39	-4.68	-4.40	-4.76	-5.47	-6.84	-8.04	-10.13	-9.90	-10.04	-12.07	-10.25	-10.42	-11.77	-13.52	-14.71	-14.64	-15.43		
50	3.05	3.04	3.07	3.02	2.70	2.07	1.36	0.88	0.67	0.40	-0.22	-3.75	-2.79	-4.42	-6.80	-6.40	-6.45	-5.73	-5.17	-5.13	-5.65	-6.56	-7.54	-8.68	-10.08	-10.26	-9.90	-10.12	-10.88	-11.03	-11.74	-12.74	-13.40	-14.64	-15.43			
55	3.05	2.97	2.80	2.73	2.31	1.66	1.07	0.68	0.50	0.31	-0.40	-4.11	-3.25	-4.89	-7.56	-7.40	-7.47	-6.80	-6.17	-6.10	-6.59	-7.46	-8.50	-9.60	-10.84	-10.98	-10.72	-11.46	-11.58	-12.30	-12.54	-13.42	-14.58	-15.43				
60	3.05	2.82	2.67	2.50	2.02	1.14	0.80	0.57	-0.04	-0.25	-1.04	-3.02	-4.73	-6.63	-9.23	-9.63	-9.00	-8.00	-7.22	-6.94	-6.96	-7.86	-9.74	-11.43	-11.42	-11.30	-11.41	-12.53	-10.63	-10.96	-10.96	-11.66	-13.77	-15.43	-15.43			
65	3.05	2.72	2.52	2.34	1.80	0.97	0.16	-0.30	-0.45	-0.70	-2.40	-3.99	-6.13	-8.33	-10.64	-11.74	-12.94	-13.36	-12.60	-12.40	-12.60	-13.46	-15.70	-17.40	-17.40	-17.40	-17.40	-18.27	-16.36	-16.69	-16.69	-17.25	-14.75	-15.43	-15.43			
70	3.05	2.62	2.39	2.20	1.91	1.05	0.05	-0.74	-1.10	-1.50	-2.53	-4.40	-7.06	-9.44	-10.30	-11.10	-12.10	-13.10	-13.10	-13.10	-13.10	-14.28	-16.72	-19.20	-19.20	-19.20	-19.20	-20.17	-18.10	-18.42	-18.42	-19.07	-16.69	-17.25	-15.43			
75	3.05	2.54	2.31	2.31	2.11	1.40	0.63	0.00	-0.33	-0.65	-1.11	-1.47	-2.07	-3.07	-4.65	-6.54	-8.51	-10.47	-10.13	-10.13	-10.13	-11.28	-13.74	-16.40	-19.40	-19.40	-19.40	-20.47	-18.40	-18.72	-18.72	-19.37	-16.69	-17.25	-15.43			
80	3.05	2.46	2.30	2.40	2.40	2.10	1.06	0.24	-0.10	-0.42	-0.80	-1.62	-2.46	-4.40	-7.16	-9.44	-11.46	-13.46	-13.46	-13.46	-14.60	-17.06	-20.00	-20.00	-20.00	-20.00	-21.07	-19.00	-19.32	-19.32	-20.00	-17.25	-17.81	-15.43	-15.43			
85	3.05	2.39	2.25	2.41	2.41	2.03	2.59	2.08	1.54	1.05	0.24	-0.32	-3.68	-5.77	-8.01	-9.81	-12.00	-14.76	-15.44	-15.44	-16.58	-19.04	-22.00	-22.00	-22.00	-22.00	-23.07	-21.00	-21.32	-21.32	-22.00	-19.25	-19.81	-17.25	-15.43			
90	3.05	2.33	2.27	2.02	2.22	2.31	2.60	1.90	1.30	0.30	-0.36	-3.57	-5.14	-7.46	-9.63	-10.40	-12.60	-15.46	-16.00	-16.00	-17.14	-19.60	-22.60	-22.60	-22.60	-22.60	-23.67	-21.60	-21.92	-21.92	-22.60	-19.81	-20.37	-17.25	-15.43			
95	3.05	2.28	2.30	2.34	3.58	3.52	2.95	2.15	1.22	0.82	-0.88	-3.66	-4.73	-6.16	-7.11	-7.57	-9.90	-12.31	-12.02	-12.02	-13.16	-15.62	-18.08	-21.05	-21.05	-21.05	-21.05	-22.12	-20.05	-20.37	-20.37	-21.05	-18.46	-19.02	-15.43			
100	3.05	2.24	2.26	2.34	3.61	3.60	3.11	2.07	0.87	-0.50	-1.25	-3.79	-4.56	-6.16	-7.42	-7.10	-9.46	-11.87	-11.42	-11.42	-12.56	-15.02	-17.48	-20.45	-20.45	-20.45	-20.45	-21.52	-19.45	-19.77	-19.77	-20.45	-18.02	-18.58	-15.43			
105	3.05	2.20	2.24	2.30	3.48	3.50	3.05	1.81	0.38	-0.96	-2.40	-3.92	-4.94	-6.47	-7.44	-7.44	-9.80	-12.21	-11.75	-11.75	-12.89	-15.35	-17.81	-20.78	-20.78	-20.78	-20.78	-21.85	-19.78	-20.10	-20.10	-20.78	-17.81	-18.37	-15.43			
110	3.05	2.18	2.46	2.36	3.41	3.97	2.94	1.45	-0.12	-1.40	-2.40	-3.29	-4.30	-5.55	-6.44	-6.44	-8.80	-11.21	-10.74	-10.74	-11.88	-14.34	-16.80	-19.77	-19.77	-19.77	-19.77	-20.84	-18.77	-19.09	-19.09	-20.78	-17.81	-18.37	-15.43			
115	3.05	2.15	2.50	2.35	3.48	4.28	3.00	1.70	1.07	-0.48	-1.45	-1.94	-2.52	-3.79	-4.19	-4.72	-6.78	-9.38	-9.00	-9.00	-10.14	-12.60	-15.06	-18.03	-18.03	-18.03	-18.03	-19.10	-17.03	-17.35	-17.35	-18.03	-15.43	-16.00	-15.43			
120	3.05	2.14	2.53	2.30	3.45	3.77	2.44	0.76	-0.60	-1.14	-1.22	-1.43	-1.95	-4.23	-6.05	-5.77	-7.84	-10.44	-10.06	-10.06	-11.20	-13.66	-16.12	-19.09	-19.09	-19.09	-19.09	-20.16	-18.09	-18.41	-18.41	-19.09	-16.69	-17.25	-15.43			
125	3.05	2.13	2.41	2.37	3.44	3.69	2.38	0.41	-0.26	-0.46	-0.86	-1.26	-1.66	-3.94	-5.76	-5.48	-7.54	-10.14	-10.76	-10.76	-11.90	-14.36	-16.82	-19.79	-19.79	-19.79	-19.79	-20.86	-18.79	-19.11	-19.11	-19.79	-16.69	-17.25	-15.43			
130	3.05	2.12	2.35	2.08	3.41	3.45	2.04	-0.00	-0.00	-0.00	-0.33	-0.15	-0.75	-4.00	-5.80	-5.42	-7.50	-10.10	-10.70	-10.70	-11.84	-14.30	-16.76	-19.73	-19.73	-19.73	-19.73	-20.80	-18.73	-19.05	-19.05	-19.73	-16.69	-17.25	-15.43			
135	3.05	2.11	2.54	2.64	3.40	3.32	1.80	0.70	0.44	0.70	0.90	0.23	-1.40	-3.90	-5.14	-5.00	-6.80	-9.61	-9.21	-9.21	-10.35	-12.80	-15.26	-18.23	-18.23	-18.23	-18.23	-19.30	-17.23	-17.55	-17.55	-18.23	-15.43	-16.00	-15.43			
140	3.05	2.12	2.51	2.57	3.30	3.23	1.60	1.10	1.03	1.40	1.34	0.39	-1.40	-3.23	-3.27	-3.72	-6.04	-8.77	-8.40	-8.77	-9.94	-12.40	-14.86	-17.83	-17.83	-17.83	-17.83	-18.90	-16.83	-17.15	-17.15	-17.83	-14.86	-15.43				
145	3.05	2.12	2.47	2.47	3.70	3.20	2.19	1.53	1.62	1.96	1.70	0.50	-1.35	-4.00	-5.16	-4.80	-6.77	-9.40	-9.01	-9.01	-10.15	-12.60	-15.06	-18.03	-18.03	-18.03	-18.03	-19.10	-17.03	-17.35	-17.35	-18.03	-15.43	-16.00	-15.43			
150	3.05	2.13	2.41	2.37	3.41	3.40	2.34	1.97	1.21	1.41	1.26	0.76	-1.41	-3.10	-3.10	-3.10	-5.52	-8.40	-8.00	-8.00	-9.14	-11.60	-14.06	-17.03	-17.03	-17.03	-17.03	-18.10	-16.03	-16.35	-16.35	-17.03	-14.86	-15.43				
155	3.05	2.14	2.30	2.35	3.40	3.30	2.23	2.35	2.55	2.76	2.40	1.22	-0.33	-1.19	-0.79	0.16	0.65	0.12	-1.42	-4.00	-10.23	-13.40	-15.24	-16.88	-18.46	-18.46	-18.46	-18.46	-19.53	-17.46	-17.78	-17.78	-18.46	-15.43	-16.00	-15.43		
160	3.05	2.17	2.33	2.33	3.50	3.26	2.82	2.63	2.76	2.93	2.65	1.73	0.67	-0.04	0.22	0.65	1.13	0.66	-0.56	-3.95	-4.34	-9.17	-12.84	-14.21	-15.12	-15.12	-15.12	-16.00	-13.93	-14.25	-14.25	-14.90	-12.34	-13.00	-15.43			
165	3.05	2.19	2.29	2.31	3.40	3.26	2.86	2.79	2.81	2.86	2.84	2.01	1.26	0.95	1.19	1.11	1.64	0.82	-0.72	-3.00	-4.65	-9.48	-12.80	-14.63	-16.16	-16.16	-16.16	-16.16	-17.23	-15.16	-15.48	-15.48	-16.16	-13.00	-13.66	-15		

5925 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)		Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response
0	519	5.44	5.33	5.05	4.60	3.82	3.10	2.31	1.69	1.34	1.12	0.73	-0.04	-1.07	-1.90	-2.31	-2.10	-1.88	-2.13	-2.91	-3.90	-4.87	-5.39	-4.76	-4.36	-3.77	-2.89	-1.64	-0.81	-11.63	-13.95	-15.25	-14.04	-13.20	-14.05	-15.91	-14.62	
5	519	5.41	5.29	5.02	4.56	3.81	3.08	2.19	1.51	1.12	0.83	0.61	-0.12	-1.23	-2.26	-2.89	-2.64	-2.17	-2.07	-3.51	-4.32	-4.25	-5.15	-4.06	-3.90	-2.98	-1.65	-0.55	-9.44	-11.68	-13.82	-15.02	-17.01	-14.66	-13.59	-14.41	-16.12	
10	519	5.37	5.25	4.96	4.49	3.74	2.98	2.07	1.29	0.92	0.64	0.78	-0.40	-1.41	-2.36	-3.00	-2.50	-2.07	-2.32	-3.13	-4.00	-3.90	-4.80	-3.20	-2.45	-1.45	-0.88	-10.03	-12.22	-15.16	-14.86	-15.21	-14.10	-14.81	-16.52	-14.10		
15	519	5.32	5.15	4.86	4.40	3.65	2.86	1.95	0.94	0.83	-0.28	-1.32	-2.36	-3.36	-3.94	-3.54	-3.34	-2.80	-3.14	-3.60	-4.10	-3.14	-4.37	-2.87	-1.80	-0.98	-2.95	-10.54	-13.29	-17.09	-20.88	-19.55	-15.54	-14.70	-16.44	-16.03		
20	519	5.27	5.07	4.75	4.36	3.60	2.88	1.94	0.78	-0.26	-1.00	-1.58	-2.56	-3.58	-4.52	-4.96	-3.70	-4.00	-4.77	-4.13	-4.18	-4.77	-3.72	-3.42	-2.13	-1.01	-0.76	-11.20	-14.89	-19.09	-17.02	-15.54	-15.26	-16.30	-17.01	-16.82		
25	519	5.22	4.97	4.62	4.23	3.42	2.72	2.01	0.05	-0.07	-0.38	-1.53	-2.55	-3.62	-4.84	-5.32	-3.95	-4.26	-5.17	-4.19	-4.40	-4.22	-4.62	-3.38	-2.54	-1.75	-1.074	-12.17	-14.78	-19.33	-15.14	-15.28	-16.03	-16.84	-17.21	-16.82		
30	519	5.16	4.86	4.46	4.07	3.22	2.63	2.23	1.17	-0.10	-1.52	-3.00	-4.06	-5.06	-6.06	-6.46	-4.46	-4.76	-5.85	-4.41	-5.93	-5.72	-4.03	-3.18	-1.84	-1.218	-13.12	-14.58	-19.88	-13.38	-14.82	-15.83	-17.00	-17.31	-16.82			
35	519	5.09	4.79	4.39	4.00	3.16	2.60	2.36	1.56	-0.40	-1.55	-2.99	-4.05	-5.05	-6.05	-6.45	-4.45	-4.75	-5.84	-4.40	-6.00	-5.79	-4.02	-3.08	-1.80	-1.162	-13.06	-14.52	-19.80	-13.32	-14.76	-15.76	-16.93	-17.19	-16.82			
40	519	5.03	4.69	4.30	3.82	3.23	2.86	2.43	1.84	0.86	-0.36	-3.94	-3.75	-5.22	-5.68	-6.86	-5.68	-6.96	-5.45	-6.16	-4.46	-6.92	-4.80	-3.72	-2.48	-1.673	-11.68	-13.73	-14.74	-22.20	-12.01	-14.82	-14.06	-17.22	-18.08	-18.04		
45	519	4.96	4.46	3.86	3.34	2.91	2.57	2.27	1.88	1.24	0.21	-1.23	-2.94	-4.22	-5.46	-6.76	-5.58	-6.28	-5.23	-6.07	-3.76	-8.11	-10.36	-10.88	-11.33	-11.10	-10.88	-10.65	-11.27	-11.82	-11.71	-11.73	-13.81	-17.06	-18.17	-19.25	-18.82	
50	519	4.89	4.31	3.63	3.09	2.51	2.14	1.88	1.61	1.16	0.36	-0.86	-2.49	-4.09	-5.29	-6.50	-5.60	-6.28	-4.67	-7.00	-4.94	-10.60	-11.61	-12.01	-11.38	-10.89	-10.48	-11.23	-11.97	-11.34	-11.83	-13.62	-16.61	-18.12	-19.42	-18.82		
55	519	4.82	4.16	3.36	2.71	2.14	1.86	1.56	1.29	0.92	0.16	-1.56	-2.97	-4.17	-5.41	-6.70	-5.80	-6.48	-4.87	-7.18	-5.10	-11.26	-11.76	-12.16	-11.43	-10.94	-10.53	-11.28	-12.02	-11.38	-11.87	-13.66	-16.60	-18.11	-19.41	-18.82		
60	519	4.76	4.00	3.15	2.52	2.05	0.91	0.82	0.34	0.32	-0.46	-1.82	-3.21	-4.00	-5.46	-7.15	-6.46	-7.15	-4.36	-7.93	-6.13	-11.46	-11.93	-12.33	-11.60	-11.11	-10.70	-11.45	-12.26	-12.28	-12.28	-13.12	-15.25	-16.27	-18.06	-18.82		
65	519	4.68	3.86	3.02	2.80	2.10	0.32	-0.17	-0.33	-0.48	-1.08	-2.42	-4.30	-4.10	-7.34	-4.40	-10.11	-12.02	-11.53	-4.46	-10.22	-7.86	-8.04	-10.86	-10.82	-10.86	-10.78	-10.58	-11.28	-12.58	-12.48	-12.40	-12.78	-14.60	-17.71	-19.55	-18.82	
70	519	4.61	3.71	2.72	1.75	0.79	-0.06	-0.05	-0.43	-0.75	-1.40	-3.11	-5.48	-2.74	-8.80	-4.40	-11.77	-14.34	-15.51	-11.27	-8.04	-7.95	-9.15	-9.44	-11.46	-11.46	-11.28	-12.32	-11.93	-12.88	-12.28	-12.20	-12.40	-17.10	-19.40	-18.82		
75	519	4.54	3.57	2.55	1.88	0.80	-0.09	-0.44	-0.40	-0.54	-1.44	-3.44	-4.28	-4.84	-9.40	-5.86	-11.91	-13.84	-15.26	-11.26	-8.92	-8.46	-9.86	-10.06	-10.26	-10.06	-11.14	-11.14	-11.14	-11.14	-11.14	-12.24	-12.20	-13.70	-16.22	-18.39	-18.82	
80	519	4.47	3.44	2.40	1.56	0.79	0.23	-0.16	-0.40	-1.11	-2.36	-4.45	-4.52	-4.17	-7.30	-7.36	-12.40	-13.84	-15.26	-11.26	-9.46	-8.46	-9.86	-10.06	-10.26	-10.06	-11.14	-11.14	-11.14	-11.14	-11.14	-12.24	-12.20	-13.70	-16.22	-18.39	-18.82	
85	519	4.41	3.33	2.36	1.64	1.00	0.75	0.76	0.05	0.51	-0.77	-3.22	-4.23	-2.77	-5.86	-4.80	-12.46	-13.84	-15.26	-11.26	-9.46	-8.46	-9.86	-10.06	-10.26	-10.06	-11.14	-11.14	-11.14	-11.14	-11.14	-12.24	-12.24	-13.70	-16.22	-18.39	-18.82	
90	519	4.35	3.23	2.32	1.79	1.46	1.31	1.36	1.36	0.83	-0.66	-3.26	-4.00	-4.02	-4.15	-8.80	-12.82	-14.00	-13.88	-9.81	-9.37	-7.19	-7.16	-8.58	-11.60	-14.06	-11.64	-12.84	-13.46	-14.04	-12.95	-13.83	-14.48	-15.96	-17.96	-18.82		
95	519	4.29	3.14	2.32	1.86	1.86	1.79	1.79	1.62	-0.87	-0.84	-3.58	-4.00	-4.25	-3.15	-11.44	-12.77	-13.03	-14.63	-10.65	-10.87	-7.73	-8.17	-11.57	-12.57	-10.25	-11.88	-12.88	-14.12	-15.53	-14.63	-14.31	-15.86	-17.79	-18.82			
100	519	4.24	3.06	2.26	2.20	2.20	2.15	2.03	1.66	0.80	-1.21	-4.02	-4.13	-4.11	-3.18	-11.80	-12.87	-13.53	-14.77	-10.67	-10.87	-7.53	-8.77	-11.67	-12.67	-10.35	-11.86	-12.86	-14.16	-15.56	-14.66	-14.36	-15.86	-17.76	-18.82			
105	519	4.20	3.00	2.26	2.20	2.47	2.38	2.11	1.55	0.44	-0.40	-4.15	-4.91	-5.42	-4.00	-13.15	-13.84	-13.84	-13.76	-10.46	-10.46	-7.46	-8.46	-11.46	-12.46	-10.14	-11.66	-12.66	-14.16	-15.56	-14.66	-14.36	-15.86	-17.76	-18.82			
110	519	4.16	2.96	2.41	2.54	2.66	2.50	2.11	1.42	0.28	-1.40	-5.40	-5.12	-4.67	-5.71	-6.62	-5.18	-5.00	-4.31	-6.76	-11.33	-13.72	-15.16	-12.72	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47	-12.47		
115	519	4.13	2.90	2.44	2.68	2.77	2.56	2.07	1.33	0.33	-0.93	-5.36	-5.78	-6.41	-7.88	-6.63	-6.40	-4.88	-5.86	-5.46	-11.49	-12.87	-12.80	-13.11	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	-12.88	
120	519	4.11	2.86	2.44	2.71	2.84	2.59	2.06	1.34	0.55	-0.27	-5.12	-5.44	-6.41	-8.07	-7.04	-6.40	-5.03	-6.48	-6.07	-12.09	-12.47	-12.86	-13.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	
125	519	4.10	2.82	2.47	2.71	2.87	2.53	2.11	1.45	0.80	-0.58	-5.08	-5.40	-6.48	-8.14	-7.10	-6.40	-5.03	-6.48	-6.07	-12.69	-12.86	-13.40	-13.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	
130	519	4.08	2.80	2.40	2.71	2.88	2.68	2.25	1.72	1.36	-1.12	-5.05	-5.82	-6.91	-8.57	-7.53	-6.40	-5.03	-6.48	-6.07	-13.29	-13.40	-13.40	-13.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	-12.40	
135	519	4.08	2.78	2.35	2.67	2.90	2.81	2.40	2.06	1.77	-1.52	-0.88	-6.06	-6.66	-7.66	-8.47	-7.86	-6.36	-6.14	-6.16	-13.86	-13.86	-13.86	-13.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	-12.86	
140	519	4.08	2.76	2.29	2.60	2.90	2.86	2.70	2.46	2.14	-1.73	-1.02	-0.90	-4.49	-4.77	-2.73	-8.86	-10.02	-9.38	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	
145	519	4.10	2.78	2.22	2.51	2.91	3.12	3.10	2.86	2.46	-1.78	-0.59	-1.27	-0.36	-1.51	-1.57	-0.27	-8.86	-10.02	-9.38	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	-6.23	
150	519	4.12	2.78	2.40	2.48	2.86	3.27	3.40	3.23	2.94	-1.86	-0.44	-1.42	-0.27	-0.46	-0.34	-1.25	-1.42	-1.42	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	-6.46	
155	519	4.15	2.80	2.90	2.28	3.03	3.36	3.63	3.51	2.97	-1.96	-0.58	-1.12	-0.06	-0.56	-0.23	-0.54	-0.06	-1.77	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	
160	519	4.19	2.85	2.84	2.15	2.74	3.37	3.73	3.75	3.05	-2.07	-0.51	-0.91	-0.25	-0.74	-0.14	-0.44	-0.17	-3.73	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	-4.36	
165	519	4.24	2.82	2.83	2.62	2.59	3.28	3.69	3.62	3.06	-2.06	-0.89	0.04	0.01	-0.74	-0.14	-0.75	-1.18	-0.75	-1.18	-4.36	-4.36	-4.															

7125 Theta/Az		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180		
Phi/Az (°)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)		
0	3.42	2.81	2.50	2.41	2.42	2.38	2.37	2.41	2.36	2.02	1.34	0.39	-0.04	-1.63	-2.38	-2.78	-2.71	-2.54	-2.05	-1.21	-1.10	-0.50	-0.69	-0.41	-0.51	-0.44	-0.35	-0.94	-0.93	-0.86	-1.13	-1.44	-1.419	-1.481	-1.423	-1.441	-1.454			
5	3.42	2.81	2.52	2.41	2.43	2.41	2.46	2.54	2.56	2.27	1.40	0.27	-1.13	-2.35	-3.14	-3.48	-3.48	-3.48	-3.06	-2.06	-1.42	-0.50	-0.38	-0.78	-0.21	-0.18	-1.15	-1.15	-1.07	-1.14	-1.28	-1.222	-1.400	-1.474	-1.434	-1.455	-1.454			
10	3.42	2.81	2.81	2.51	2.46	2.45	2.45	2.51	2.76	2.44	1.67	-1.07	-2.00	-2.85	-3.70	-4.04	-4.04	-4.04	-3.42	-2.42	-1.78	-0.86	-0.74	-1.14	-0.57	-0.46	-1.14	-1.14	-1.10	-1.10	-1.22	-1.444	-1.444	-1.444	-1.444	-1.444	-1.444			
15	3.42	2.80	2.83	2.59	2.49	2.42	2.62	2.65	2.71	2.76	1.96	-1.34	-0.94	-1.76	-1.17	-3.88	-4.10	-4.24	-4.30	-3.38	-2.45	-1.82	-0.91	-0.82	-1.13	-1.02	-1.30	-1.30	-1.26	-1.26	-1.37	-1.21	-1.426	-1.431	-1.439	-1.444	-1.444	-1.444		
20	3.42	2.92	2.72	2.73	2.73	2.72	2.67	2.63	2.51	2.08	1.12	-0.40	-2.13	-3.44	-3.89	-4.00	-4.22	-4.25	-3.93	-3.19	-2.45	-1.44	-0.91	-1.16	-1.13	-1.07	-1.50	-1.05	-1.05	-1.05	-1.05	-1.24	-1.22	-1.424	-1.449	-1.456	-1.470	-1.484	-1.454	
25	3.42	2.96	2.83	2.89	2.91	2.91	2.79	2.61	2.42	2.15	1.83	-0.04	-0.82	-2.51	-1.77	-4.25	-4.36	-4.47	-4.42	-4.01	-3.84	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	-3.44	
30	3.42	2.91	2.96	3.07	3.07	3.04	2.47	2.07	1.82	1.91	0.80	-1.23	-2.77	-4.04	-4.75	-5.07	-5.34	-5.27	-4.96	-4.27	-3.46	-2.46	-1.94	-1.11	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	
35	3.42	3.07	3.04	3.24	3.24	3.24	2.98	2.64	2.66	0.21	-0.40	-1.50	-2.54	-3.40	-4.26	-4.70	-5.02	-5.10	-4.66	-3.91	-3.08	-2.08	-1.50	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	
40	3.42	3.12	3.21	3.44	3.42	3.43	2.93	2.13	1.23	0.37	-0.40	-1.13	-1.80	-2.59	-3.68	-4.18	-4.56	-4.60	-4.01	-3.08	-2.08	-1.36	-0.92	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	-0.68	
45	3.42	3.18	3.33	3.62	3.59	3.63	2.85	0.96	-0.04	-0.82	-1.29	-1.55	-1.36	-2.94	-4.80	-7.74	-8.17	-8.14	-6.46	-4.03	-3.22	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	
50	3.42	3.25	3.46	3.70	3.78	3.915	2.10	0.92	-0.11	-0.87	-1.11	-1.17	-1.39	-2.25	-4.12	-6.44	-6.40	-7.95	-8.11	-6.73	-4.90	-3.06	-2.04	-1.33	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	
55	3.42	3.31	3.51	3.71	3.76	3.85	2.25	1.10	0.25	-0.43	-0.77	-1.20	-1.37	-2.27	-4.20	-6.70	-6.70	-8.27	-8.30	-6.92	-5.09	-3.25	-2.23	-1.52	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	
60	3.42	3.37	3.67	3.84	4.04	4.14	2.46	1.35	0.41	-0.34	-0.93	-1.40	-1.54	-2.60	-4.64	-7.33	-7.33	-8.91	-9.03	-7.65	-5.82	-3.98	-2.96	-2.25	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	
65	3.42	3.43	3.77	4.14	4.14	4.15	3.61	2.66	1.61	0.69	-0.14	-1.10	-2.22	-3.31	-3.90	-3.84	-3.35	-3.52	-4.40	-4.99	-4.40	-3.38	-2.48	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	
70	3.42	3.49	3.85	4.22	4.22	4.22	3.70	2.80	1.79	0.81	-0.15	-1.31	-2.80	-4.37	-4.34	-5.07	-4.18	-3.88	-4.27	-4.39	-4.44	-4.31	-3.25	-2.57	-2.00	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84
75	3.42	3.52	3.82	4.28	4.28	4.28	3.75	2.85	1.80	0.77	-0.38	-1.54	-2.97	-4.42	-4.65	-5.13	-5.73	-5.48	-4.85	-4.98	-4.98	-4.85	-3.79	-3.00	-2.43	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	
80	3.42	3.60	3.89	4.32	4.32	4.32	3.76	2.92	1.84	0.80	-0.21	-1.60	-3.06	-4.45	-4.68	-5.16	-5.76	-5.51	-4.88	-4.98	-4.98	-4.85	-3.79	-3.00	-2.43	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	
85	3.42	3.65	4.06	4.36	4.36	4.36	3.71	2.74	1.60	0.55	-0.29	-1.69	-3.57	-2.81	-4.04	-4.44	-4.95	-4.97	-4.37	-4.47	-4.47	-4.34	-3.26	-2.47	-1.90	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	-1.75	
90	3.42	3.71	4.11	4.36	4.29	3.64	2.67	1.56	0.66	0.12	-0.18	-0.40	-0.83	-1.76	-3.62	-5.50	-5.94	-5.51	-4.79	-3.88	-3.07	-2.10	-1.48	-1.00	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	
95	3.42	3.76	4.16	4.37	4.18	3.56	2.64	1.69	1.01	0.87	0.51	0.35	-0.07	-1.17	-3.31	-5.61	-5.50	-4.57	-4.38	-3.88	-3.18	-2.10	-1.48	-1.00	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	
100	3.42	3.81	4.21	4.37	4.12	3.48	2.69	1.60	1.25	0.89	0.79	0.34	-0.28	-1.26	-3.42	-5.78	-5.78	-4.75	-4.56	-3.88	-3.18	-2.10	-1.48	-1.00	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	
105	3.42	3.85	4.26	4.32	4.05	3.41	2.82	1.65	1.32	1.02	0.97	0.56	-0.41	-2.06	-4.08	-6.27	-6.27	-5.24	-5.05	-4.38	-3.68	-2.60	-1.98	-1.36	-1.00	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	
110	3.42	3.90	4.30	4.36	4.06	3.36	3.34	2.98	2.91	2.74	2.25	1.17	0.69	-0.40	-1.96	-4.25	-4.27	-4.99	-4.28	-3.88	-3.18	-2.10	-1.48	-1.00	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	-0.83	
115	3.42	3.94	4.34	4.36	4.06	3.36	3.25	3.14	3.33	3.24	2.63	1.88	0.95	0.14	0.27	-1.40	-4.46	-4.46	-5.84	-5.89	-4.28	-3.67	-3.06	-2.44	-1.82	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46		
120	3.42	3.98	4.38	4.34	3.75	3.15	3.24	3.64	3.58	2.82	1.82	0.74	0.72	0.43	-1.76	-3.94	-4.64	-4.62	-4.54	-4.72	-4.40	-3.16	-2.40	-1.82	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46		
125	3.42	4.02	4.40	4.34	3.71	3.10	3.27	3.81	3.76	2.82	1.82	0.68	0.80	-0.40	-1.86	-4.11	-4.81	-4.80	-4.72	-4.90	-4.58	-3.34	-2.58	-1.98	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40		
130	3.42	4.05	4.47	4.33	3.54	2.85	3.18	3.82	3.74	2.78	1.28	0.34	-0.49	-1.12	-2.61	-4.02	-4.15	-3.61	-3.95	-4.01	-3.54	-2.48	-1.82	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46		
135	3.42	4.08	4.51	4.34	3.46	2.66	3.01	3.70	3.64	2.80	1.20	0.35	-0.40	-1.64	-2.12	-4.40	-4.16	-3.82	-4.21	-4.40	-4.16	-3.02	-2.36	-1.78	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42		
140	3.42	4.11	4.56	3.37	3.40	2.46	2.73	3.44	3.46	2.86	1.44	0.58	0.21	-0.90	-1.46	-2.84	-3.46	-3.46	-4.81	-5.03	-4.81	-3.73	-3.07	-2.49	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91	-1.91		
145	3.42	4.13	4.60	4.48	3.40	2.29	2.36	3.07	3.22	3.23	1.73	1.08	0.40	-0.99	-1.60	-3.06	-3.29	-3.16	-3.86	-4.10	-3.86	-2.78	-2.10	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52		
150	3.42	4.16	4.64	4.52	3.40	2.12	1.97	2.80	2.82	2.82	1.40	0.80	0.18	-1.00	-1.60	-3.06	-3.29	-3.16	-3.86	-4.10	-3.86	-2.78	-2.10	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52		
155	3.42	4.17	4.68	4.55	3.50	2.21	1.65	2.13	2.56	2.58	1.28	1.31	0.41	-1.36	-1.73	-3.15	-3.62	-3.78	-4.27	-4.16	-3.86	-2.78	-2.10	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52	-1.52		
160	3.42	4.19	4.72	4.64	3.75	2.30	1.51	1.72	2.24	2.47	1.27	2.02	1.45	-0.59	-0.10	-0.53	-1.80	-1.84	-4.46	-4.46	-3.79	-																		

PhA (Hz)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Response (A)	Response (B)	Response (C)	Response (D)	Response (E)	Response (F)	Response (G)	Response (H)	Response (I)	Response (J)	Response (K)	Response (L)	Response (M)	Response (N)	Response (O)	Response (P)	Response (Q)	Response (R)	Response (S)	Response (T)	Response (U)	Response (V)	Response (W)	Response (X)	Response (Y)	Response (Z)	Response (AA)	Response (AB)	Response (AC)	Response (AD)	Response (AE)	Response (AF)	Response (AG)	Response (AH)	Response (AI)	Response (AJ)	Response (AK)	Response (AL)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
0	4.71	4.64	4.50	4.28	4.01	3.81	3.49	3.04	2.41	1.55	0.50	-0.72	-2.00	-3.22	-4.28	-5.01	-5.48	-5.82	-6.14	-6.38	-6.50	-6.44	-6.22	-5.87	-5.45	-4.96	-4.43	-3.87	-3.29	-2.70	-2.10	-1.50	-0.89	-0.28	0.33	0.94	1.55	2.16	2.77	3.38	3.99	4.60	5.21	5.82	6.43	7.04	7.65	8.26	8.87	9.48	10.09	10.70	11.31	11.92	12.53	13.14	13.75	14.36	14.97	15.58	16.19	16.80	17.41	18.02	18.63	19.24	19.85	20.46	21.07	21.68	22.29	22.90	23.51	24.12	24.73	25.34	25.95	26.56	27.17	27.78	28.39	29.00	29.61	30.22	30.83	31.44	32.05	32.66	33.27	33.88	34.49	35.10	35.71	36.32	36.93	37.54	38.15	38.76	39.37	39.98	40.59	41.20	41.81	42.42	43.03	43.64	44.25	44.86	45.47	46.08	46.69	47.30	47.91	48.52	49.13	49.74	50.35	50.96	51.57	52.18	52.79	53.40	54.01	54.62	55.23	55.84	56.45	57.06	57.67	58.28	58.89	59.50	60.11	60.72	61.33	61.94	62.55	63.16	63.77	64.38	64.99	65.60	66.21	66.82	67.43	68.04	68.65	69.26	69.87	70.48	71.09	71.70	72.31	72.92	73.53	74.14	74.75	75.36	75.97	76.58	77.19	77.80	78.41	79.02	79.63	80.24	80.85	81.46	82.07	82.68	83.29	83.90	84.51	85.12	85.73	86.34	86.95	87.56	88.17	88.78	89.39	89.99	90.60	91.21	91.82	92.43	93.04	93.65	94.26	94.87	95.48	96.09	96.70	97.31	97.92	98.53	99.14	99.75	100.36	100.97	101.58	102.19	102.80	103.41	104.02	104.63	105.24	105.85	106.46	107.07	107.68	108.29	108.90	109.51	110.12	110.73	111.34	111.95	112.56	113.17	113.78	114.39	115.00	115.61	116.22	116.83	117.44	118.05	118.66	119.27	119.88	120.49	121.10	121.71	122.32	122.93	123.54	124.15	124.76	125.37	125.98	126.59	127.20	127.81	128.42	129.03	129.64	130.25	130.86	131.47	132.08	132.69	133.30	133.91	134.52	135.13	135.74	136.35	136.96	137.57	138.18	138.79	139.40	140.01	140.62	141.23	141.84	142.45	143.06	143.67	144.28	144.89	145.50	146.11	146.72	147.33	147.94	148.55	149.16	149.77	150.38	150.99	151.60	152.21	152.82	153.43	154.04	154.65	155.26	155.87	156.48	157.09	157.70	158.31	158.92	159.53	160.14	160.75	161.36	161.97	162.58	163.19	163.80	164.41	165.02	165.63	166.24	166.85	167.46	168.07	168.68	169.29	169.90	170.51	171.12	171.73	172.34	172.95	173.56	174.17	174.78	175.39	176.00	176.61	177.22	177.83	178.44	179.05	179.66	180.27	180.88	181.49	182.10	182.71	183.32	183.93	184.54	185.15	185.76	186.37	186.98	187.59	188.20	188.81	189.42	190.03	190.64	191.25	191.86	192.47	193.08	193.69	194.30	194.91	195.52	196.13	196.74	197.35	197.96	198.57	199.18	199.79	200.40	201.01	201.62	202.23	202.84	203.45	204.06	204.67	205.28	205.89	206.50	207.11	207.72	208.33	208.94	209.55	210.16	210.77	211.38	211.99	212.60	213.21	213.82	214.43	215.04	215.65	216.26	216.87	217.48	218.09	218.70	219.31	219.92	220.53	221.14	221.75	222.36	222.97	223.58	224.19	224.80	225.41	226.02	226.63	227.24	227.85	228.46	229.07	229.68	230.29	230.90	231.51	232.12	232.73	233.34	233.95	234.56	235.17	235.78	236.39	237.00	237.61	238.22	238.83	239.44	240.05	240.66	241.27	241.88	242.49	243.10	243.71	244.32	244.93	245.54	246.15	246.76	247.37	247.98	248.59	249.20	249.81	250.42	251.03	251.64	252.25	252.86	253.47	254.08	254.69	255.30	255.91	256.52	257.13	257.74	258.35	258.96	259.57	260.18	260.79	261.40	262.01	262.62	263.23	263.84	264.45	265.06	265.67	266.28	266.89	267.50	268.11	268.72	269.33	269.94	270.55	271.16	271.77	272.38	272.99	273.60	274.21	274.82	275.43	276.04	276.65	277.26	277.87	278.48	279.09	279.70	280.31	280.92	281.53	282.14	282.75	283.36	283.97	284.58	285.19	285.80	286.41	287.02	287.63	288.24	288.85	289.46	290.07	290.68	291.29	291.90	292.51	293.12	293.73	294.34	294.95	295.56	296.17	296.78	297.39	298.00	298.61	299.22	299.83	300.44	301.05	301.66	302.27	302.88	303.49	304.10	304.71	305.32	305.93	306.54	307.15	307.76	308.37	308.98	309.59	310.20	310.81	311.42	312.03	312.64	313.25	313.86	314.47	315.08	315.69	316.30	316.91	317.52	318.13	318.74	319.35	319.96	320.57	321.18	321.79	322.40	323.01	323.62	324.23	324.84	325.45	326.06	326.67	327.28	327.89	328.50	329.11	329.72	330.33	330.94	331.55	332.16	332.77	333.38	333.99	334.60	335.21	335.82	336.43	337.04	337.65	338.26	338.87	339.48	340.09	340.70	341.31	341.92	342.53	343.14	343.75	344.36	344.97	345.58	346.19	346.80	347.41	348.02	348.63	349.24	349.85	350.46	351.07	351.68	352.29	352.90	353.51	354.12	354.73	355.34	355.95	356.56	357.17	357.78	358.39	359.00	359.61	360.22	360.83	361.44	362.05	362.66	363.27	363.88	364.49	365.10	365.71	366.32	366.93	367.54	368.15	368.76	369.37	369.98	370.59	371.20	371.81	372.42	373.03	373.64	374.25	374.86	375.47	376.08	376.69	377.30	377.91	378.52	379.13	379.74	380.35	380.96	381.57	382.18	382.79	383.40	384.01	384.62	385.23	385.84	386.45	387.06	387.67	388.28	388.89	389.50	390.11	390.72	391.33	391.94	392.55	393.16	393.77	394.38	394.99	395.60	396.21	396.82	397.43	398.04	398.65	399.26	399.87	400.48	401.09	401.70	402.31	402.92	403.53	404.14	404.75	405.36	405.97	406.58	407.19	407.80	408.41	409.02	409.63	410.24	410.85	411.46	412.07	412.68	413.29	413.90	414.51	415.12	415.73	416.34	416.95	417.56	418.17	418.78	419.39	419.99	420.60	421.21	421.82	422.43	423.04	423.65	424.26	424.87	425.48	426.09	426.70	427.31	427.92	428.53	429.14	429.75	430.36	430.97	431.58	432.19	432.80	433.41	434.02	434.63	435.24	435.85	436.46	437.07	437.68	438.29	438.90	439.51	440.12	440.73	441.34	441.95	442.56	443.17	443.78	444.39	445.00	445.61	446.22	446.83	447.44	448.05	448.66	449.27	449.88	450.49	451.10	451.71	452.32	452.93	453.54	454.15	454.76	455.37	455.98	456.59	457.20	457.81	458.42	459.03	459.64	460.25	460.86	461.47	462.08	462.69	463.30	463.91	464.52	465.13	465.74	466.35	466.96	467.57	468.18	468.79	469.40	470.01	470.62	471.23	471.84	472.45	473.06	473.67	474.28	474.89	475.50	476.11	476.72	477.33	477.94	478.55	479.16	479.77	480.38	480.99	481.60	482.21	482.82	483.43	484.04	484.65	485.26	485.87	486.48	487.09	487.70	488.31	488.92	489.53	490.14	490.75	491.36	491.97	492.58	493.19	493.80	494.41	495.02	495.63	496.24	496.85	497.46	498.07	498.68	499.29	499.90	500.51	501.12	501.73	502.34	502.95	503.56	504.17	504.78	505.39	506.00	506.61	507.22	507.83	508.44	509.05	509.66	510.27	510.88	511.49	512.10	512.71	513.32	513.93	514.54	515.15	515.76	516.37	516.98	517.59	518.20	518.81	519.42	519.99	520.60	521.21	521.82	522.43	523.04	523.65	524.26	524.87	525.48	526.09	526.70	527.31	527.92	528.53	529.14	529.75	530.36	530.97	531.58	532.19	532.80	533.41	534.02	534.63	535.24	535.85	536.46	537.07	537.68	538.29	538.90	539.51	540.12	540.73	541.34	541.95	542.56	543.17	543.78	544.39	545.00	545.61	546.22	546.83	547.44	548.05	548.66	549.27	549.88	550.49	551.10	551.71	552.32	552.93	553.54	554.15	554.76	555.37	555.98	556.59	557.20	557.81	558.42	559.03	559.64	560.25	560.86	561.47	562.08	562.69	563.30	563.91	564.52	565.13	565.74	566.35	566.96	567.57	568.18	568.79	569.40	570.01	570.62	571.23	571.84	572.45	573.06	573.67	574.28	574.89	575.50	576.11	576.72	577.33	577.94	578.55	579.16	579.77	580.38	580.99	581.60	582.21	582.82	583.43	584.04	584.65	585.26	585.87	586.48	587.09	587.70	588.31	588.92	589.53	590.14	590.75	591.36	591.97	592.58	593.19	593.80	594.41	595.02	595.63	596.24	596.85	597.46	598.07	598.68	599.29	599.90	600.51	601.12	601.73	602.34	602.95	603.56	604.17	604.78	605.39	606.00	606.61	607.22	607.83	608.44	609.05	609.66	610.27	610.88	611.49	612.10	612.71	613.32	613.93	614.54	615.15	615.76	616.37	616.98	617.59	618.20	618.81	619.42	619.99	620.60	621.21	621.82	622.43	623.04	623.65	624.26	624.87	625.48	626.09	626.70	627.31	627.92	628.53	629.14	629.75	630.36	630.97	631.58	632.19	632.80	633.41	634.02	634.63	635.24	635.85	636.46	637.07	637.68	638.29	638.90	639.51	640.12	640.73	641.34	641.95	642.56	643.17	643.78	644.39	645.00	645.61	64

[illegible]

[illegible]

7125 MHz(Ant. 0)		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Ph.Ant. (0)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)		
0	4.07	3.71	3.11	2.59	2.34	2.37	2.60	2.82	2.82	2.50	1.92	1.20	0.80	0.53	0.12	-0.74	-1.99	-3.12	-3.07	-4.67	-5.93	-7.30	-8.34	-9.27	-11.64	-14.68	-12.24	-9.68	-8.40	-10.81	-11.81	-12.72	-14.68	-17.51	-17.98	-17.93	-20.58	
5	4.07	3.64	3.01	2.55	2.49	2.68	2.86	3.16	3.17	2.77	2.18	1.40	0.91	0.53	0.13	-0.63	-1.88	-2.68	-3.18	-3.53	-4.28	-5.58	-7.09	-8.86	-10.66	-11.68	-9.77	-8.08	-7.91	-10.49	-11.75	-13.74	-16.44	-17.46	-17.41	-20.58		
10	4.07	3.44	2.81	2.36	2.30	2.49	2.67	2.97	2.98	2.58	1.99	1.21	0.72	0.34	-0.46	-1.71	-2.51	-2.97	-3.42	-3.76	-4.51	-5.81	-7.32	-9.10	-10.90	-11.92	-10.01	-8.32	-8.15	-10.73	-11.99	-14.01	-16.66	-17.67	-17.62	-20.58		
15	4.07	3.54	2.99	2.57	2.50	2.70	3.00	3.35	3.37	2.95	2.31	1.53	1.04	0.62	0.24	-1.02	-1.86	-2.65	-3.16	-3.51	-4.27	-5.57	-7.08	-8.86	-10.66	-11.68	-9.77	-8.08	-7.91	-10.49	-11.75	-13.74	-16.44	-17.46	-17.41	-20.58		
20	4.07	3.50	2.88	2.85	3.36	3.80	3.89	3.64	3.13	2.44	1.61	0.85	0.40	-0.43	-2.04	-2.14	-1.98	-1.91	-1.07	-1.88	-3.11	-3.43	-4.08	-4.81	-6.00	-6.53	-4.90	-4.53	-7.29	-8.15	-8.58	-10.37	-11.88	-14.48	-15.38	-17.07	-20.58	
25	4.07	3.47	2.89	3.01	3.62	4.03	3.86	3.45	2.85	1.73	0.90	0.27	-0.28	-0.91	-1.52	-1.83	-1.86	-1.93	-2.18	-2.48	-3.08	-4.48	-7.11	-8.94	-10.30	-12.47	-9.77	-7.05	-6.29	-8.59	-10.04	-11.76	-13.64	-14.28	-14.88	-16.79	-20.58	
30	4.07	3.45	2.91	3.15	3.82	4.16	3.80	3.11	1.98	0.88	0.28	0.37	0.58	0.33	-0.46	-1.11	-1.47	-1.81	-2.48	-3.46	-4.54	-6.01	-8.18	-10.55	-10.12	-7.74	-6.75	-7.75	-9.78	-10.58	-10.89	-12.79	-14.61	-14.87	-14.38	-16.48	-20.58	
35	4.07	3.44	2.90	3.52	3.44	2.90	3.79	2.92	1.76	0.70	0.08	0.81	1.36	1.16	1.57	1.81	1.41	0.63	-0.96	-1.07	-1.44	-1.52	-2.41	-4.06	-4.95	-6.92	-7.80	-8.28	-9.01	-11.51	-13.86	-15.63	-15.88	-15.24	-16.84	-20.58		
40	4.07	3.43	3.00	3.38	4.01	4.16	3.54	2.20	0.68	-0.28	0.31	1.57	2.51	2.68	0.93	-0.34	-0.97	-1.25	-1.82	-3.22	-4.08	-4.28	-7.10	-7.82	-8.68	-9.99	-4.64	-4.64	-6.58	-10.21	-11.58	-14.88	-16.83	-14.84	-13.53	-15.96	-20.58	
45	4.07	3.42	3.04	3.44	4.02	4.30	3.30	1.79	0.17	-0.29	0.73	2.05	2.47	2.23	0.87	-0.60	-1.21	-1.16	-1.30	-2.15	-3.37	-4.52	-5.96	-6.38	-7.80	-8.88	-4.31	-6.73	-8.15	-9.50	-11.12	-15.10	-17.81	-14.08	-13.26	-17.44	-20.58	
50	4.07	3.43	3.09	3.40	3.98	3.93	3.08	1.50	0.11	0.13	1.24	2.46	2.82	2.19	0.64	-1.06	-1.77	-1.32	-1.94	-1.46	-2.97	-4.52	-5.84	-6.42	-7.19	-7.96	-7.19	-7.96	-7.19	-8.02	-9.49	-10.54	-14.73	-18.28	-14.07	-15.56	-20.58	
55	4.07	3.44	3.10	3.36	3.91	3.82	2.93	1.21	0.03	0.02	1.10	2.30	2.87	2.10	0.45	-1.46	-2.27	-1.37	-1.80	-2.30	-3.42	-4.96	-6.27	-7.18	-7.96	-7.19	-7.96	-7.19	-7.96	-7.19	-8.02	-9.49	-10.54	-14.73	-18.28	-14.07	-15.56	-20.58
60	4.07	3.46	3.19	3.51	3.88	3.86	2.81	0.33	0.08	0.51	2.33	2.90	2.97	2.12	0.35	-1.68	-2.63	-2.00	-2.30	-3.16	-4.69	-6.03	-7.42	-8.33	-9.02	-8.44	-6.44	-6.07	-6.53	-8.52	-10.68	-10.82	-13.95	-17.82	-14.08	-12.79	-15.50	-20.58
65	4.07	3.48	3.24	3.50	3.69	3.36	2.39	1.29	1.20	1.94	2.55	2.92	2.86	1.99	0.25	-1.82	-2.88	-2.51	-1.91	-2.22	-3.44	-4.39	-5.84	-6.98	-8.07	-8.44	-6.82	-6.40	-6.82	-8.39	-11.08	-13.72	-14.07	-12.72	-15.23	-16.08	-20.58	
70	4.07	3.50	3.29	3.50	3.58	3.16	2.18	1.18	1.26	2.04	2.53	2.88	2.83	1.88	-0.05	-2.07	-3.28	-3.07	-2.87	-3.10	-4.18	-5.21	-6.87	-8.46	-9.78	-10.40	-9.58	-10.03	-10.33	-10.78	-14.88	-16.83	-14.08	-12.89	-15.19	-16.84	-20.58	
75	4.07	3.53	3.34	3.51	3.49	3.00	2.20	1.00	1.02	1.75	2.17	2.92	2.81	1.19	-0.48	-2.54	-3.93	-3.88	-3.68	-3.97	-5.14	-6.18	-7.12	-8.10	-9.78	-10.40	-9.58	-9.72	-10.37	-10.78	-14.88	-16.83	-14.07	-12.89	-15.20	-16.84	-20.58	
80	4.07	3.54	3.40	3.52	3.44	2.90	1.88	0.72	0.10	1.36	0.72	0.80	0.82	0.97	0.80	0.09	-1.38	-2.41	-2.23	-2.68	-3.69	-4.60	-5.47	-6.90	-8.02	-10.02	-10.88	-10.68	-9.18	-8.80	-10.05	-10.42	-12.19	-15.55	-17.27	-16.32	-16.88	-20.58
85	4.07	3.63	3.51	3.59	3.45	2.82	2.03	0.83	-0.21	-0.40	0.40	0.23	0.15	-0.48	-1.77	-3.62	-5.44	-5.38	-4.88	-7.53	-9.21	-10.75	-10.82	-10.70	-11.28	-12.93	-13.91	-8.81	-8.80	-10.00	-10.47	-11.74	-15.91	-13.51	-12.74	-16.46	-20.58	
90	4.07	3.68	3.57	3.65	3.51	3.14	2.28	1.13	0.18	-1.08	-0.99	0.71	0.73	-1.30	-2.46	-4.05	-5.68	-6.44	-6.83	-7.73	-9.43	-10.83	-10.21	-11.18	-12.57	-11.01	-11.03	-8.87	-8.01	-9.47	-11.11	-14.89	-13.28	-12.81	-15.81	-20.58		
95	4.07	3.74	3.63	3.71	3.59	3.20	2.36	1.16	0.16	-1.24	-1.36	-1.09	-1.24	-1.86	-3.44	-4.86	-6.82	-7.82	-8.42	-10.17	-11.86	-12.71	-11.82	-12.58	-11.97	-12.97	-10.47	-9.47	-11.03	-12.87	-14.93	-13.39	-12.86	-15.81	-20.58			
100	4.07	3.84	3.80	3.77	3.69	3.38	2.58	2.04	0.89	-0.85	-0.68	-0.38	-1.08	-1.40	-2.91	-4.76	-6.75	-8.07	-8.65	-9.70	-11.25	-12.65	-12.38	-13.08	-12.55	-13.51	-11.88	-10.88	-12.40	-14.61	-13.44	-14.64	-13.38	-12.86	-15.81	-20.58		
105	4.07	3.77	3.74	3.83	3.78	3.36	2.18	2.40	1.27	-0.55	-0.46	-0.49	-0.68	-1.07	-2.44	-4.47	-6.56	-8.03	-8.48	-9.71	-11.82	-13.01	-13.38	-13.62	-14.57	-13.78	-12.82	-11.84	-12.07	-14.88	-14.78	-12.97	-13.31	-16.46	-20.58			
110	4.07	3.81	3.78	3.87	3.84	3.88	3.38	2.80	1.76	0.10	-0.30	-0.10	-0.78	-1.90	-2.78	-4.74	-6.13	-6.56	-7.12	-8.63	-10.48	-11.96	-13.46	-13.68	-14.56	-13.68	-14.48	-12.88	-14.48	-17.28	-15.88	-13.06	-13.64	-16.78	-20.58			
115	4.07	3.84	3.82	3.89	3.88	3.71	3.46	2.94	2.07	-0.30	-0.34	-0.14	-1.18	-2.53	-3.54	-4.65	-5.88	-6.38	-7.48	-9.77	-11.58	-14.48	-14.16	-15.26	-14.56	-14.76	-15.72	-14.42	-14.27	-17.19	-15.54	-13.38	-14.08	-17.41	-20.58			
120	4.07	3.87	3.85	3.89	3.89	3.81	3.82	3.33	2.84	0.33	1.03	1.88	2.92	3.16	4.34	5.61	6.88	-6.14	-6.86	-8.55	-10.48	-12.12	-13.68	-14.56	-14.76	-15.72	-14.42	-14.27	-17.19	-15.54	-13.38	-14.08	-17.41	-20.58				
125	4.07	3.90	3.87	3.88	3.78	3.39	2.95	2.45	1.81	0.86	0.07	-1.24	-2.65	-3.72	-4.93	-6.73	-8.44	-8.68	-9.08	-10.74	-12.53	-14.52	-16.38	-18.07	-19.82	-19.82	-19.82	-19.82	-19.82	-19.82	-19.82	-19.82	-19.82	-19.82	-19.82	-20.58		
130	4.07	3.93	3.89	3.80	3.52	3.04	2.44	1.78	1.15	0.58	-0.11	-1.08	-2.27	-3.30	-3.96	-4.44	-5.28	-6.53	-8.22	-9.46	-10.85	-12.43	-14.12	-15.82	-16.88	-16.83	-12.51	-12.07	-13.38	-17.78	-18.38	-19.74	-15.98	-16.38	-19.85	-20.58		
135	4.07	3.95	3.89	3.73	3.30	2.59	1.73	0.88	0.20	-0.32	-0.36	-0.78	-2.88	-3.92	-4.44	-5.03	-5.54	-6.84	-8.48	-10.84	-12.84	-14.16	-15.84	-17.03	-18.33	-18.33	-18.33	-18.33	-18.33	-18.33	-18.33	-18.33	-18.33	-18.33	-19.85	-20.58		
140	4.07	3.98	3.88	3.64	3.05	2.11	1.08	-0.03	-0.77	-1.13	-1.98	-2.88	-4.08	-5.08	-5.44	-6.22	-6.72	-8.02	-10.02	-11.88	-14.18	-15.82	-17.12	-18.33	-19.83	-19.83	-19.83	-19.83	-19.83	-19.83	-19.83	-19.83	-19.83	-19.83	-19.83	-20.58		
145	4.07	4.00	3.89	3.81	3.21	2.18	1.04	-0.48	-0.88	-1.38	-2.48	-3.58	-4.98	-5.98	-6.48	-7.28	-7.78	-9.08	-11.08	-13.08	-14.78	-16.18	-17.48	-18.68	-19.88	-19.88	-19.88	-19.88	-19.88	-19.88	-19.88	-19.88	-19.88	-19.88	-19.88	-20.58		
150	4.07	4.01	3.85	3.45	2.62	1.41	0.25	-0.51	-0.91	-1.36	-2.08	-3.08	-4.24	-5.41	-6.81	-7.88	-9.07	-10.88	-13.18	-15.18	-16.82	-18.02	-19.48	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.88	-20.58		
155	4.07	4.02	3.83	3.35	2.47	1.36	0.40	0.14	-0.40	-1.25	-2.02	-3.02	-4.18	-5.38	-6.58	-7.75	-8.91	-10.91	-13.21	-15.21	-16.85	-18.05	-19.45	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.85	-20.58		
160	4.07	4.04	3.88	3.28	2.37	1.46	0.88	0.95	0.82	-0.56	-1.14	-1.99	-3.21	-4.31	-5.51	-6.85	-8.48	-10.48	-12.48	-14.48	-16.48	-18.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.48	-20.58		
165	4.07	4.07	4.08	3.56	2.42	1.40	1.08	1.36	1.56	-0.36	-1.36	-2.46	-3.56	-4.66	-5																							

Theta (rad)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi (rad)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Response	-0.491	-0.51	-0.39	-0.32	-0.24	-0.01	0.40	0.87	1.24	1.38	1.22	0.78	0.01	-0.81	-0.36	-2.10	-3.14	-4.63	-5.96	-7.37	-8.80	-10.23	-11.60	-12.97	-14.34	-15.70	-17.07	-18.43	-19.80	-21.16	-22.53	-23.90	-25.27	-26.64	-28.01	-29.38	-30.75
Response	-0.491	-0.54	-0.29	-0.16	-0.08	-0.01	0.39	0.76	1.08	1.22	1.13	0.78	0.13	-0.62	-1.58	-2.65	-3.74	-4.87	-6.05	-7.32	-8.60	-9.82	-11.00	-12.14	-13.28	-14.43	-15.58	-16.73	-17.88	-19.03	-20.18	-21.33	-22.48	-23.63	-24.78	-25.93	
Response	-0.491	-0.51	-0.32	-0.21	-0.10	0.00	0.40	0.87	1.24	1.38	1.22	0.78	0.01	-0.81	-0.36	-2.10	-3.14	-4.63	-5.96	-7.37	-8.80	-10.23	-11.60	-12.97	-14.34	-15.70	-17.07	-18.43	-19.80	-21.16	-22.53	-23.90	-25.27	-26.64	-28.01	-29.38	-30.75
Response	-0.491	-0.46	-0.36	-0.15	0.27	0.35	0.44	0.56	0.68	0.74	0.76	0.63	0.30	-0.01	-0.48	-0.98	-1.54	-2.11	-2.71	-3.35	-4.00	-4.71	-5.38	-6.05	-6.73	-7.40	-8.08	-8.76	-9.44	-10.12	-10.80	-11.48	-12.16	-12.84	-13.52	-14.20	
Response	-0.491	-0.42	-0.30	0.28	0.43	0.44	0.50	0.50	0.50	0.47	0.40	0.27	-0.08	-0.21	-0.54	-0.88	-1.25	-1.63	-2.00	-2.38	-2.76	-3.11	-3.42	-3.70	-4.00	-4.30	-4.60	-4.90	-5.20	-5.50	-5.80	-6.10	-6.40	-6.70	-7.00		
Response	-0.491	-0.39	0.08	0.40	0.57	0.41	0.57	0.48	0.39	0.31	0.25	0.18	0.09	-0.04	-0.21	-0.42	-0.63	-0.84	-1.04	-1.23	-1.44	-1.61	-1.81	-2.01	-2.21	-2.41	-2.61	-2.81	-3.01	-3.21	-3.41	-3.61	-3.81	-4.01	-4.21		
Response	-0.491	-0.36	0.14	0.49	0.68	0.71	0.64	0.52	0.40	0.31	0.23	0.14	0.02	-0.14	-0.32	-0.51	-0.68	-0.82	-0.93	-1.01	-1.07	-1.16	-1.26	-1.34	-1.40	-1.46	-1.50	-1.54	-1.58	-1.62	-1.65	-1.68	-1.71	-1.74	-1.77		
Response	-0.491	-0.32	0.17	0.55	0.77	0.76	0.54	0.44	0.30	0.20	0.13	0.04	-0.04	-0.18	-0.34	-0.49	-0.61	-0.70	-0.77	-0.82	-0.86	-0.89	-0.91	-0.93	-0.94	-0.95	-0.96	-0.97	-0.98	-0.99	-1.00	-1.01	-1.02	-1.03	-1.04		
Response	-0.491	-0.32	0.21	0.58	0.75	0.77	0.7	0.69	0.5	0.38	0.23	0.08	-0.07	-0.33	-0.49	-0.64	-0.78	-0.90	-1.00	-1.08	-1.14	-1.19	-1.23	-1.27	-1.30	-1.33	-1.36	-1.39	-1.42	-1.45	-1.48	-1.51	-1.54	-1.57	-1.60		
Response	-0.491	-0.31	0.22	0.57	0.72	0.71	0.68	0.75	0.96	1.23	1.43	1.44	1.25	0.87	0.36	-0.22	-0.81	-1.33	-1.88	-2.02	-2.06	-2.04	-2.04	-2.01	-2.00	-1.97	-1.94	-1.91	-1.88	-1.85	-1.82	-1.79	-1.76	-1.73	-1.70		
Response	-0.491	-0.31	0.22	0.54	0.63	0.63	0.69	0.74	1.10	1.51	1.62	1.39	1.17	0.80	0.24	-0.48	-1.10	-1.6	-2.16	-2.60	-2.71	-2.68	-2.60	-2.51	-2.40	-2.28	-2.15	-2.02	-1.89	-1.76	-1.63	-1.50	-1.37	-1.24			
Response	-0.491	-0.27	0.15	0.52	0.71	0.70	0.64	0.52	0.40	0.31	0.23	0.14	0.02	-0.14	-0.32	-0.51	-0.68	-0.82	-0.93	-1.01	-1.07	-1.16	-1.26	-1.34	-1.40	-1.46	-1.50	-1.54	-1.58	-1.62	-1.65	-1.68	-1.71	-1.74			
Response	-0.491	-0.25	0.15	0.37	0.32	0.17	0.66	1.16	1.64	1.61	1.60	1.24	0.73	0.16	1.42	0.88	0.30	-0.28	-0.82	-1.32	-1.82	-2.32	-2.82	-3.32	-3.82	-4.32	-4.82	-5.32	-5.82	-6.32	-6.82	-7.32	-7.82	-8.32	-8.82		
Response	-0.491	-0.23	0.10	0.25	0.12	-0.11	-0.14	0.19	0.79	1.41	1.85	2.03	1.94	1.63	1.23	0.79	0.36	-0.00	-0.52	-1.08	-1.68	-2.28	-2.88	-3.48	-4.07	-4.67	-5.27	-5.87	-6.47	-7.07	-7.67	-8.27	-8.87	-9.47			
Response	-0.491	-0.26	0.04	0.12	-0.11	-0.40	-0.11	0.50	1.12	1.52	1.63	1.46	1.10	0.71	0.30	0.11	-0.17	-0.40	-0.80	-1.07	-1.16	-1.08	-1.00	-0.92	-0.84	-0.76	-0.68	-0.60	-0.52	-0.44	-0.36	-0.28	-0.20	-0.12			
Response	-0.491	-0.27	-0.03	-0.03	-0.33	-0.27	-0.06	-0.48	0.22	0.80	1.13	1.14	0.84	0.39	-0.03	-0.20	-0.40	-0.63	-0.93	-1.26	-1.60	-1.94	-2.28	-2.62	-2.96	-3.30	-3.64	-3.98	-4.32	-4.66	-5.00	-5.34	-5.68	-6.02	-6.36		
Response	-0.491	-0.26	-0.40	-0.10	-0.46	-0.46	-0.16	-0.46	0.48	1.00	1.26	1.26	0.90	0.40	-0.04	-0.24	-0.46	-0.68	-0.90	-1.12	-1.34	-1.56	-1.78	-2.00	-2.22	-2.44	-2.66	-2.88	-3.10	-3.32	-3.54	-3.76	-3.98	-4.20	-4.42		
Response	-0.491	-0.40	-0.18	-0.30	-0.73	-0.17	-0.23	-0.79	0.16	0.37	0.58	0.39	-0.12	-0.75	-1.25	-1.46	-1.42	-1.41	-1.31	-1.04	-0.50	-0.20	-0.30	-0.37	-0.40	-0.46	-0.52	-0.58	-0.64	-0.70	-0.76	-0.82	-0.88	-0.94	-1.00		
Response	-0.491	-0.46	-0.25	-0.40	-0.86	-0.20	-0.30	-0.83	0.10	0.32	0.49	0.28	-0.24	-0.88	-1.38	-1.56	-1.56	-1.60	-1.30	-0.46	-0.30	-0.51	-0.82	-1.08	-1.34	-1.60	-1.86	-2.12	-2.38	-2.64	-2.90	-3.16	-3.42	-3.68			
Response	-0.491	-0.50	-0.32	-0.50	-0.94	-0.31	-0.25	-0.78	-0.13	0.34	0.50	0.30	-0.17	-0.73	-1.16	-1.32	-1.32	-1.37	-1.06	-0.24	-0.34	-0.58	-0.82	-1.06	-1.30	-1.54	-1.78	-2.02	-2.26	-2.50	-2.74	-2.98	-3.22	-3.46			
Response	-0.491	-0.45	-0.45	-0.40	-0.91	-0.08	-0.48	-0.41	0.08	0.44	0.56	0.44	0.15	-0.18	-0.48	-0.65	-0.68	-1.13	-1.73	-2.38	-3.08	-3.72	-4.36	-4.94	-5.54	-6.14	-6.74	-7.34	-7.94	-8.54	-9.14	-9.74	-10.34	-10.94			
Response	-0.491	-0.62	-0.50	-0.62	-0.81	-0.85	-0.62	-0.20	0.20	0.46	0.53	0.47	0.19	-0.05	-0.25	-0.43	-0.67	-1.05	-1.56	-2.06	-2.57	-3.01	-3.46	-3.78	-4.18	-4.58	-4.98	-5.38	-5.78	-6.18	-6.58	-6.98	-7.38	-7.78			
Response	-0.491	-0.68	-0.55	-0.68	-0.87	-0.58	-0.68	0.35	0.49	0.47	0.32	0.12	0.08	-0.25	-0.43	-0.68	-1.06	-1.49	-1.85	-2.00	-2.06	-2.24	-2.85	-3.10	-3.40	-3.70	-4.00	-4.30	-4.60	-4.90	-5.20	-5.50	-5.80				
Response	-0.491	-0.70	-0.59	-0.57	-0.51	-0.30	0.04	0.36	0.56	0.59	0.47	0.25	0.00	-0.22	-0.46	-0.63	-0.98	-1.24	-1.58	-1.81	-1.87	-1.87	-2.04	-2.33	-2.62	-2.92	-3.22	-3.52	-3.82	-4.12	-4.42	-4.72	-5.02				
Response	-0.491	-0.70	-0.60	-0.50	-0.39	0.06	0.38	0.68	0.86	0.86	0.73	0.50	0.27	-0.04	-0.28	-0.43	-0.63	-0.87	-1.13	-1.39	-1.61	-1.67	-1.78	-2.00	-2.26	-2.52	-2.78	-3.04	-3.30	-3.56	-3.82	-4.08	-4.34	-4.60			
Response	-0.491	-0.70	-0.67	-0.40	-0.33	0.29	0.73	1.06	1.21	1.15	0.94	0.59	0.18	-0.24	-0.64	-1.01	-1.35	-1.65	-1.89	-2.04	-2.24	-2.25	-2.35	-2.50	-2.65	-2.80	-2.95	-3.10	-3.25	-3.40	-3.55	-3.70	-3.85	-4.00			
Response	-0.491	-0.83	-0.70	-0.44	-0.01	0.54	1.06	1.43	1.62	1.41	1.42	1.08	0.63	0.13	-0.30	-0.85	-1.24	-1.55	-1.78	-1.90	-2.17	-2.39	-2.72	-3.20	-3.63	-4.06	-4.49	-4.92	-5.35	-5.78	-6.21	-6.64	-7.07				
Response	-0.491	-0.87	-0.74	-0.41	0.13	0.75	1.33	1.76	2.01	2.00	1.97	1.48	1.24	0.69	0.12	-0.44	-1.18	-1.41	-1.65	-1.80	-2.08	-2.43	-2.84	-3.30	-3.80	-4.30	-4.80	-5.30	-5.80	-6.30	-6.80	-7.30	-7.80				
Response	-0.491	-0.77	-0.53	-0.23	0.02	0.54	1.54	2.00	2.35	2.40	2.24	1.65	1.32	0.74	0.14	-0.40	-1.03	-1.08	-1.10	-1.08	-1.27	-1.64	-2.04	-2.44	-2.84	-3.24	-3.64	-4.04	-4.44	-4.84	-5.24	-5.64	-6.04				
Response	-0.491	-0.80	-0.67	-0.34	0.03	0.58	1.58	2.03	2.37	2.42	2.26	1.66	1.33	0.75	0.15	-0.40	-1.03	-1.08	-1.10	-1.08	-1.27	-1.64	-2.04	-2.44	-2.84	-3.24	-3.64	-4.04	-4.44	-4.84	-5.24	-5.64	-6.04				
Response	-0.491	-0.80	-0.67	-0.30	0.33	1.10	1.77	2.30	2.68	2.93	3.01	2.82	2.67	2.28	1.79	1.28	0.79	0.37	0.37	0.74	-1.12	-1.48	-1.84	-2.22	-2.58	-2.94	-3.30	-3.66	-4.02	-4.38	-4.74	-5.10	-5.46				
Response	-0.491	-0.84	-0.82	-0.40	0.33	1.11	1.78	2.31	2.69	2.94	3.05	3.00	2.81	2.47	2.05	1.57	1.07	0.60	0.15	0.27	-0.44	-1.04	-1.39	-1.75	-2.10	-2.45	-2.80	-3.15	-3.50	-3.85	-4.20	-4.55	-4.90				
Response	-0.491	-0.88	-0.88	-0.40	0.29	1.10	1.75	2.26	2.63	2.87	2.89	2.87	2.81	2.54	2.14	1.63	1.10	0.63	0.09	0.40	-1.22	-1.58	-1.92	-2.26	-2.60	-2.94	-3.28	-3.62	-3.96	-4.30	-4.64	-4.98	-5.32				
Response	-0.491	-0.87	-0.88	-0.42	0.19	1.09	1.73	2.25	2.62	2.84	2.85	2.84	2.76	2.54	2.14	1.63	1.10	0.63	0.09	0.40	-1.22	-1.58	-1.92	-2.26	-2.60	-2.94	-3.28	-3.62	-3.96	-4.30	-4.64	-4.98	-5.32				
Response	-0.491	-0.87	-0.88	-0.42	0.19	1.09	1.73	2.25	2.62	2.84	2.85	2.84	2.76	2.54	2.14	1.63	1.10	0.63	0.09	0.40	-1.22	-1.58	-1.92	-2.26	-2.60	-2.94	-3.28	-3.62	-3.96	-4.30	-4.64	-4.98	-5.32				
Response	-0.491	-0.87	-0.88	-0.42	0.19	1.09	1.73	2.25	2.62	2.84	2.85	2.84	2.76	2.54	2.14	1.63	1.10	0.63	0.09	0.40	-1.22	-1.58	-1.92	-2.26	-2.60	-2.94	-3.28	-3.62	-3.96	-4.30	-4.64	-4.98	-5.32				
Response	-0.491	-0.87	-0.88	-0.42	0.19	1.09	1.73	2.25	2.62	2.84	2.85	2.84	2.76	2.54	2.14	1.63	1.10	0.63	0.09	0.40	-1.22	-1.58	-1.92	-2.26	-2.60	-2.94	-3.28	-3.62	-3.96	-4.							

Phi(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)
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[illegible]

Theta Angle	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Phi Angle (°)	Person 1	Person 2	Person 3	Person 4	Person 5	Person 6	Person 7	Person 8	Person 9	Person 10	Person 11	Person 12	Person 13	Person 14	Person 15	Person 16	Person 17	Person 18	Person 19	Person 20	Person 21	Person 22	Person 23	Person 24	Person 25	Person 26	Person 27	Person 28	Person 29	Person 30	Person 31	Person 32	Person 33	Person 34	Person 35	Person 36	Person 37	Person 38
0	2.44	2.43	1.91	1.29	0.73	0.29	0.00	-0.38	-0.64	-1.14	-1.84	-2.51	-3.12	-3.54	-3.81	-4.16	-4.56	-4.79	-4.84	-4.65	-4.32	-3.78	-3.24	-2.63	-1.98	-1.32	-0.67	-0.14	0.34	0.81	1.29	1.76	2.21	2.63	3.01	3.33	3.59	3.79
5	2.44	2.41	1.85	1.20	0.64	0.24	0.04	-0.05	-0.22	-0.65	-1.30	-2.05	-2.85	-3.07	-3.24	-3.49	-3.68	-3.46	-3.41	-3.46	-3.42	-3.14	-2.58	-1.98	-1.32	-0.67	-0.14	0.34	0.81	1.29	1.76	2.21	2.63	3.01	3.33	3.59	3.79	
10	2.44	2.39	1.79	1.08	0.43	0.06	0.00	-0.05	-0.09	-0.67	-1.79	-3.00	-3.54	-3.68	-3.18	-3.00	-2.38	-2.10	-2.05	-2.17	-2.06	-1.74	-1.28	-0.67	-0.14	0.34	0.81	1.29	1.76	2.21	2.63	3.01	3.33	3.59	3.79	3.98	4.18	
15	2.44	2.37	1.71	0.92	0.16	-0.18	-0.34	-0.44	-0.44	-1.00	-2.40	-3.41	-3.41	-3.07	-2.42	-1.98	-1.44	-1.00	-0.84	-0.84	-0.79	-0.58	-0.33	-0.07	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36	5.83	
20	2.44	2.34	1.63	0.67	-0.24	-0.65	-0.44	-0.35	-0.38	-1.56	-3.00	-4.29	-4.45	-3.63	-2.62	-2.01	-1.45	-0.91	-0.68	-0.68	-0.54	-0.33	-0.07	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36	5.83		
25	2.44	2.32	1.55	0.44	-0.64	-1.10	-0.72	-0.24	-0.41	-2.63	-4.36	-4.46	-3.95	-2.65	-1.55	-0.95	-1.31	-0.87	-0.80	-0.67	-0.72	-0.41	-0.17	-0.14	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
30	2.44	2.30	1.46	0.21	-1.07	-1.52	-0.93	-0.21	-0.20	-3.33	-4.86	-4.96	-4.29	-2.79	-1.34	-0.66	-1.29	-0.77	-0.51	-0.50	-0.38	-0.27	-0.13	-0.09	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
35	2.44	2.28	1.36	0.00	-1.45	-1.82	-1.05	-0.00	-0.00	-4.00	-5.36	-5.46	-4.58	-3.12	-1.55	-0.77	-1.44	-0.84	-0.44	-0.44	-0.33	-0.21	-0.10	-0.06	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
40	2.44	2.26	1.31	-0.17	-1.76	-2.06	-0.98	0.26	0.71	0.18	-3.44	-5.36	-5.00	-3.18	-1.54	-0.93	-1.44	-0.74	-0.24	-0.24	-0.20	-0.12	-0.06	-0.04	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
45	2.44	2.25	1.25	-0.32	-1.82	-2.08	-0.63	0.61	1.19	0.84	-4.15	-5.53	-5.03	-3.01	-1.10	-0.85	-1.45	-0.69	-0.29	-0.40	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36	
50	2.44	2.23	1.21	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
55	2.44	2.22	1.18	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
60	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
65	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
70	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
75	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
80	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
85	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
90	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
95	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
100	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
105	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
110	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
115	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
120	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
125	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
130	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
135	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
140	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
145	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
150	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
155	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
160	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
165	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48	3.95	4.42	4.89	5.36		
170	2.44	2.21	1.17	-0.40	-1.80	-2.10	-0.26	1.01	1.36	0.42	-4.30	-5.11	-4.19	-3.13	-2.02	-1.30	-0.98	-0.59	-0.42	-0.42	-0.30	-0.18	-0.10	-0.08	0.20	0.67	1.14	1.61	2.08	2.55	3.01	3.48						

Theta (rad)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Phi (rad)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	
0	-1.20	-2.44	-3.81	-4.71	-5.34	-5.68	-5.94	-6.14	-6.24	-6.31	-6.34	-6.34	-6.32	-6.27	-6.19	0.79	1.20	1.31	1.37	1.41	1.43	-0.39	-1.10	-2.15	-3.49	-5.12	-7.03	-9.20	-11.58	-14.08	-16.64	-19.22	-21.79	-24.31	-26.76	-29.11	-31.34	-33.42
5	-1.20	-2.44	-3.81	-4.71	-5.34	-5.68	-5.94	-6.14	-6.24	-6.31	-6.34	-6.34	-6.32	-6.27	-6.19	0.79	1.20	1.31	1.37	1.41	1.43	-0.39	-1.10	-2.15	-3.49	-5.12	-7.03	-9.20	-11.58	-14.08	-16.64	-19.22	-21.79	-24.31	-26.76	-29.11	-31.34	-33.42
10	-1.20	-2.44	-3.81	-4.71	-5.34	-5.68	-5.94	-6.14	-6.24	-6.31	-6.34	-6.34	-6.32	-6.27	-6.19	0.79	1.20	1.31	1.37	1.41	1.43	-0.39	-1.10	-2.15	-3.49	-5.12	-7.03	-9.20	-11.58	-14.08	-16.64	-19.22	-21.79	-24.31	-26.76	-29.11	-31.34	-33.42
15	-1.20	-2.78	-4.29	-5.11	-5.56	-5.80	-6.00	-6.16	-6.21	-6.23	-6.23	-6.21	-6.16	-6.08	-5.96	0.84	0.89	0.93	1.01	1.06	0.00	-0.46	-1.36	-2.60	-4.19	-6.08	-8.32	-10.86	-13.63	-16.57	-19.64	-22.80	-25.99	-29.17	-32.32	-35.42	-38.42	
20	-1.20	-2.84	-4.38	-5.14	-5.56	-5.74	-5.88	-5.98	-6.04	-6.07	-6.08	-6.07	-6.04	-6.00	-5.93	0.14	0.19	0.24	0.30	0.36	0.99	0.30	-0.84	-2.04	-3.49	-5.19	-7.06	-9.16	-11.47	-13.96	-16.60	-19.35	-22.17	-25.02	-27.87	-30.72	-33.52	
25	-1.20	-2.90	-4.40	-5.06	-5.46	-5.60	-5.69	-5.75	-5.80	-5.82	-5.84	-5.84	-5.80	-5.74	-5.66	0.04	0.16	0.18	0.20	0.24	0.80	0.58	0.00	-1.19	-2.73	-4.49	-6.46	-8.65	-10.97	-13.40	-15.89	-18.41	-21.00	-23.64	-26.30	-28.96	-31.57	
30	-1.20	-2.96	-4.40	-5.06	-5.46	-5.60	-5.69	-5.75	-5.80	-5.82	-5.84	-5.84	-5.80	-5.74	-5.66	0.00	0.04	0.07	0.10	0.14	0.60	0.40	-0.40	-1.40	-2.96	-4.73	-6.70	-8.86	-11.11	-13.42	-15.76	-18.12	-20.49	-22.86	-25.21	-27.54	-29.84	
35	-1.20	-2.96	-4.42	-5.02	-5.41	-5.55	-5.63	-5.68	-5.72	-5.75	-5.78	-5.79	-5.78	-5.75	-5.70	0.00	0.00	0.01	0.02	0.03	0.00	-0.34	-1.34	-2.55	-4.00	-5.66	-7.49	-9.45	-11.52	-13.67	-15.88	-18.12	-20.37	-22.61	-24.84	-27.04	-29.18	
40	-1.20	-3.00	-4.34	-5.01	-5.41	-5.55	-5.62	-5.66	-5.69	-5.72	-5.74	-5.75	-5.74	-5.71	-5.66	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
45	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
50	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
55	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
60	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
65	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
70	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
75	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
80	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
85	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
90	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
95	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
100	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
105	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
110	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
115	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
120	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
125	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
130	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
135	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
140	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
145	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
150	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
155	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
160	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5.82	-5.80	-5.75	-5.68	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-1.06	-2.01	-3.61	-5.69	-7.86	-10.14	-12.48	-14.84	-17.20	-19.54	-21.88	-24.18	-26.42	-28.62		
165	-1.20	-3.00	-4.26	-4.99	-5.38	-5.62	-5.74	-5.79	-5.80	-5.81	-5.82	-5																										

Ant. Position : 2G/5G/6G Ant.

[illegible]

2462 ThetaAngle		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Ph Angle (°)		(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	
0	0.31	-4.42	-1.06	-1.31	-1.00	-0.29	0.54	1.29	1.83	2.09	1.93	1.61	1.01	0.33	-0.32	-0.87	-1.33	-1.73	-2.11	-2.46	-2.73	-3.02	-3.46	-4.16	-5.20	-6.21	-6.78	-6.80	-6.44	-5.69	-4.58	-3.27	-1.83	-0.43	0.90	-1.17	-2.43	-3.42	-4.25
5	0.31	-4.40	-1.10	-1.40	-1.13	-0.42	0.44	1.24	1.85	2.14	2.13	1.79	1.22	0.54	-0.13	-0.71	-1.21	-1.63	-2.03	-2.40	-2.78	-3.22	-3.68	-4.30	-5.40	-6.40	-6.91	-6.92	-6.56	-5.81	-4.70	-3.40	-2.00	-0.60	0.78	-0.80	-1.83	-2.86	-3.72
10	0.31	-4.37	-1.15	-1.45	-1.19	-0.47	0.39	1.20	1.81	2.10	2.10	1.76	1.19	0.48	-0.14	-0.71	-1.21	-1.63	-2.03	-2.40	-2.78	-3.22	-3.68	-4.30	-5.40	-6.40	-6.91	-6.92	-6.56	-5.81	-4.70	-3.40	-2.00	-0.60	0.78	-0.80	-1.83	-2.86	-3.72
15	0.31	-4.30	-1.16	-1.56	-1.40	-0.76	0.33	0.99	1.70	2.13	2.23	1.60	0.97	0.33	-0.26	-0.89	-1.35	-1.74	-2.14	-2.50	-2.82	-3.17	-3.61	-4.24	-5.36	-6.40	-6.91	-6.92	-6.56	-5.81	-4.70	-3.40	-2.00	-0.60	0.78	-0.80	-1.83	-2.86	-3.72
20	0.31	-4.42	-1.17	-1.63	-1.56	-0.97	-0.13	0.73	1.44	1.87	1.98	1.78	1.31	0.69	-0.63	-1.09	-1.51	-1.93	-2.32	-2.71	-3.08	-3.42	-3.77	-4.28	-5.40	-6.40	-6.91	-6.92	-6.56	-5.81	-4.70	-3.40	-2.00	-0.60	0.78	-0.80	-1.83	-2.86	-3.72
25	0.31	-4.40	-1.18	-1.70	-1.72	-1.23	-0.46	0.36	1.01	1.80	1.98	1.82	1.38	1.05	-0.21	-0.97	-1.46	-1.92	-2.32	-2.71	-3.08	-3.42	-3.77	-4.28	-5.40	-6.40	-6.91	-6.92	-6.56	-5.81	-4.70	-3.40	-2.00	-0.60	0.78	-0.80	-1.83	-2.86	-3.72
30	0.31	-4.39	-1.17	-1.70	-1.76	-1.35	-0.88	-0.15	0.42	0.69	0.80	0.75	-0.05	-1.17	-1.71	-2.20	-2.68	-3.14	-3.59	-4.00	-4.38	-4.75	-5.12	-5.49	-5.87	-6.25	-6.62	-6.99	-7.36	-7.73	-8.10	-8.47	-8.84	-9.21	-9.58	-9.95	-10.32		
35	0.31	-4.35	-1.15	-1.66	-1.76	-1.46	-0.76	-0.16	-0.41	-0.70	-1.02	-1.35	-1.67	-2.00	-2.32	-2.64	-2.96	-3.28	-3.60	-3.92	-4.24	-4.56	-4.88	-5.20	-5.52	-5.84	-6.16	-6.48	-6.80	-7.12	-7.44	-7.76	-8.08	-8.40	-8.72	-9.04	-9.36		
40	0.31	-4.33	-1.12	-1.65	-1.73	-1.53	-1.37	-1.44	-1.02	-0.65	-0.96	-1.40	-1.76	-2.16	-2.48	-2.80	-3.12	-3.44	-3.76	-4.08	-4.40	-4.72	-5.04	-5.36	-5.68	-6.00	-6.32	-6.64	-6.96	-7.28	-7.60	-7.92	-8.24	-8.56	-8.88	-9.20	-9.52		
45	0.31	-4.29	-1.07	-1.68	-1.75	-1.69	-1.61	-1.76	-1.41	-1.31	-1.47	-1.80	-2.21	-2.55	-2.95	-3.31	-3.67	-4.03	-4.39	-4.75	-5.11	-5.47	-5.83	-6.19	-6.55	-6.91	-7.27	-7.63	-7.99	-8.35	-8.71	-9.07	-9.43	-9.79	-10.15	-10.51			
50	0.31	-4.25	-1.01	-1.80	-1.80	-1.93	-2.28	-2.50	-2.34	-1.80	-1.46	-1.30	-1.71	-2.53	-3.15	-3.68	-4.16	-4.64	-5.14	-5.77	-6.32	-6.87	-7.40	-7.93	-8.46	-8.99	-9.52	-10.05	-10.58	-11.11	-11.64	-12.17	-12.70	-13.23	-13.76	-14.29			
55	0.31	-4.20	-0.94	-1.95	-1.95	-2.15	-2.52	-2.62	-2.15	-1.61	-1.27	-1.10	-1.61	-2.52	-3.15	-3.68	-4.16	-4.64	-5.14	-5.77	-6.32	-6.87	-7.40	-7.93	-8.46	-8.99	-9.52	-10.05	-10.58	-11.11	-11.64	-12.17	-12.70	-13.23	-13.76	-14.29			
60	0.31	-4.15	-0.85	-1.79	-1.95	-2.02	-2.45	-2.49	-2.05	-1.51	-1.17	-1.00	-1.51	-2.42	-3.05	-3.57	-4.05	-4.53	-5.01	-5.49	-5.97	-6.45	-6.93	-7.41	-7.89	-8.37	-8.85	-9.33	-9.81	-10.29	-10.77	-11.25	-11.73	-12.21	-12.69				
65	0.31	-4.09	-0.74	-1.68	-1.93	-2.05	-2.48	-2.49	-1.75	-1.44	-1.18	-1.08	-1.58	-2.32	-2.98	-3.58	-4.18	-4.78	-5.38	-5.98	-6.58	-7.18	-7.78	-8.38	-8.98	-9.58	-10.18	-10.78	-11.38	-11.98	-12.58	-13.18	-13.78	-14.38	-14.98				
70	0.31	-4.03	-0.63	-1.55	-1.84	-2.03	-2.43	-2.29	-1.60	-1.29	-1.03	-0.98	-1.48	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
75	0.31	-4.03	-0.60	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
80	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
85	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
90	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
95	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
100	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
105	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
110	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
115	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
120	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
125	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
130	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
135	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
140	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
145	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
150	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
155	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
160	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
165	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-3.45	-4.05	-4.65	-5.25	-5.85	-6.45	-7.05	-7.65	-8.25	-8.85	-9.45	-10.05	-10.65	-11.25	-11.85	-12.45	-13.05	-13.65	-14.25	-14.85				
170	0.31	-4.01	-0.56	-1.58	-1.86	-2.17	-2.48	-2.32	-1.61	-1.29	-1.02	-0.96	-1.46	-2.19	-2.85	-																							

5850 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)		(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)
0	-0.0	1.01	2.34	2.80	2.08	0.61	-1.54	-3.23	-4.48	-4.70	-3.53	-1.94	-1.18	-1.68	-2.97	-3.98	-4.23	-4.54	-5.64	-6.08	-11.78	-14.28	-14.05	-11.91	-9.37	-5.88	-2.78	-0.93	-1.04	-12.73	-16.36	-17.32	-16.78	-16.12	-15.55	-15.30	-14.63	-14.43
5	-0.0	1.69	2.48	2.93	2.30	0.68	-1.46	-3.07	-3.78	-3.63	-2.33	-1.06	-0.48	-1.03	-2.37	-3.35	-3.59	-3.91	-5.13	-5.57	-11.27	-13.78	-13.55	-11.41	-8.87	-5.38	-2.28	-0.43	-0.54	-12.47	-16.10	-17.06	-16.52	-15.86	-15.29	-15.04	-14.37	-14.17
10	-0.0	2.37	3.16	3.61	2.98	1.16	-1.28	-2.71	-3.16	-2.86	-1.60	-0.31	0.02	-0.81	-1.71	-2.55	-2.79	-3.09	-4.31	-4.75	-10.45	-12.96	-12.73	-10.59	-8.05	-4.56	-1.46	-0.61	-0.72	-12.16	-15.79	-16.75	-16.21	-15.55	-14.98	-14.73	-14.06	-13.86
15	-0.0	3.01	3.79	4.24	3.61	1.81	-0.95	-1.99	-2.33	-2.03	-1.18	-0.03	0.28	-0.94	-1.72	-2.52	-2.77	-3.04	-4.26	-4.69	-10.39	-12.90	-12.67	-10.53	-8.00	-4.51	-1.41	-0.56	-0.67	-11.85	-15.48	-16.44	-15.90	-15.24	-14.67	-14.42	-13.75	-13.55
20	-0.0	3.60	4.38	4.83	4.20	2.44	-0.48	-1.41	-1.65	-1.35	-0.50	0.17	0.42	-0.86	-1.64	-2.44	-2.69	-2.94	-4.16	-4.59	-10.29	-12.80	-12.57	-10.43	-7.90	-4.41	-1.31	-0.46	-0.57	-11.54	-15.17	-16.13	-15.59	-14.93	-14.36	-14.11	-13.44	-13.24
25	-0.0	4.16	4.94	5.39	4.76	3.16	-0.28	-1.21	-1.45	-1.15	-0.30	0.24	0.49	-1.02	-1.80	-2.60	-2.85	-3.10	-4.32	-4.75	-10.19	-12.70	-12.47	-10.33	-7.80	-4.31	-1.21	-0.36	-0.47	-11.23	-14.86	-15.82	-15.28	-14.62	-14.05	-13.80	-13.13	-12.93
30	-0.0	4.70	5.48	5.93	5.30	3.80	-0.10	-1.04	-1.28	-0.98	-0.13	0.39	0.64	-1.16	-1.94	-2.74	-3.00	-3.25	-4.47	-4.90	-10.03	-12.54	-12.31	-10.19	-7.60	-4.11	-1.11	-0.26	-0.37	-10.92	-14.56	-15.52	-14.98	-14.32	-13.75	-13.50	-12.83	-12.63
35	-0.0	5.23	6.01	6.46	5.83	4.50	0.08	-0.85	-1.09	-0.79	0.12	0.56	0.81	-1.08	-1.86	-2.66	-2.92	-3.17	-4.39	-4.82	-9.87	-12.38	-12.15	-10.03	-7.50	-4.01	-1.01	-0.16	-0.27	-10.61	-14.26	-15.22	-14.72	-14.06	-13.49	-13.24	-12.57	-12.37
40	-0.0	5.76	6.54	6.99	6.36	5.13	0.26	-0.64	-0.88	-0.58	0.35	0.79	1.04	-1.00	-1.78	-2.58	-2.84	-3.09	-4.31	-4.74	-9.71	-12.22	-11.99	-9.87	-7.30	-3.91	-0.91	-0.06	-0.17	-10.30	-13.96	-14.92	-14.42	-13.76	-13.19	-12.94	-12.27	-12.07
45	-0.0	6.28	7.06	7.51	6.88	5.65	0.44	-0.45	-0.69	-0.39	0.54	0.98	1.23	-0.96	-1.74	-2.54	-2.80	-3.05	-4.27	-4.70	-9.45	-11.96	-11.73	-9.61	-7.00	-3.81	-0.81	-0.01	-0.12	-10.00	-13.66	-14.62	-14.12	-13.46	-12.89	-12.64	-11.97	-11.77
50	-0.0	6.80	7.58	8.03	7.40	6.17	0.63	-0.26	-0.50	-0.20	0.73	1.17	1.42	-0.87	-1.65	-2.45	-2.71	-2.96	-4.18	-4.61	-9.19	-11.70	-11.47	-9.29	-6.70	-3.71	-0.71	-0.02	-0.13	-9.69	-13.36	-14.32	-13.82	-13.16	-12.59	-12.34	-11.67	-11.47
55	-0.0	7.32	8.10	8.55	7.92	6.69	0.82	-0.05	-0.29	-0.01	0.92	1.34	1.59	-0.70	-1.48	-2.28	-2.54	-2.79	-4.01	-4.44	-8.81	-11.42	-11.19	-9.01	-6.40	-3.51	-0.61	-0.03	-0.14	-9.38	-13.06	-14.02	-13.52	-12.86	-12.29	-12.04	-11.37	-11.17
60	-0.0	7.84	8.62	9.07	8.44	7.21	1.01	0.16	-0.08	0.12	1.10	1.52	1.77	-0.59	-1.37	-2.17	-2.43	-2.68	-3.90	-4.33	-8.55	-11.06	-10.83	-8.67	-6.06	-3.31	-0.51	-0.04	-0.15	-9.07	-12.76	-13.72	-13.22	-12.56	-11.99	-11.74	-11.07	-10.87
65	-0.0	8.36	9.14	9.59	8.96	7.73	1.19	0.35	0.01	0.25	1.28	1.70	1.95	-0.40	-1.18	-1.98	-2.24	-2.49	-3.71	-4.14	-8.27	-10.78	-10.55	-8.41	-5.80	-3.11	-0.41	-0.06	-0.16	-8.76	-12.46	-13.42	-12.92	-12.26	-11.69	-11.44	-10.77	-10.57
70	-0.0	8.88	9.66	10.11	9.48	8.25	1.38	0.54	0.19	0.44	1.47	1.89	2.14	-0.29	-1.07	-1.87	-2.13	-2.38	-3.60	-4.03	-7.91	-10.42	-10.19	-8.07	-5.46	-2.91	-0.31	-0.08	-0.17	-8.45	-12.16	-13.12	-12.62	-11.96	-11.39	-11.14	-10.47	-10.27
75	-0.0	9.40	10.18	10.63	10.00	8.77	1.57	0.73	0.38	0.63	1.60	2.02	2.27	-0.08	-0.86	-1.66	-1.92	-2.17	-3.39	-3.82	-7.53	-10.04	-9.81	-7.69	-5.08	-2.71	-0.21	-0.09	-0.18	-8.15	-11.86	-12.82	-12.32	-11.66	-11.09	-10.84	-10.17	-9.97
80	-0.0	9.92	10.70	11.15	10.52	9.29	1.76	0.92	0.57	0.82	1.79	2.21	2.46	0.11	-0.67	-1.47	-1.73	-1.98	-3.20	-3.63	-7.05	-9.56	-9.33	-7.23	-4.62	-2.31	-0.11	-0.10	-0.19	-7.85	-11.56	-12.52	-12.02	-11.36	-10.79	-10.54	-9.87	-9.67
85	-0.0	10.44	11.22	11.67	11.04	9.81	1.95	1.11	0.76	1.01	1.98	2.40	2.65	0.30	-0.46	-1.26	-1.52	-1.77	-2.99	-3.42	-6.77	-9.28	-9.05	-6.95	-4.34	-2.03	-0.01	-0.11	-0.20	-7.55	-11.26	-12.22	-11.72	-11.06	-10.49	-10.24	-9.57	-9.37
90	-0.0	10.96	11.74	12.19	11.56	10.33	2.14	1.30	0.95	1.20	2.17	2.59	2.84	0.49	-0.64	-1.44	-1.70	-1.95	-3.17	-3.60	-6.49	-8.99	-8.76	-6.67	-4.06	-1.93	0.00	-0.12	-0.21	-7.25	-10.96	-11.92	-11.42	-10.76	-10.19	-9.94	-9.27	-9.07
95	-0.0	11.48	12.26	12.71	12.08	10.85	2.33	1.49	1.14	1.39	2.36	2.78	3.03	0.64	-0.83	-1.63	-1.89	-2.14	-3.36	-3.79	-6.13	-8.63	-8.40	-6.31	-3.70	-1.83	0.00	-0.14	-0.23	-6.95	-10.66	-11.62	-11.12	-10.46	-9.89	-9.64	-8.97	-8.77
100	-0.0	12.00	12.78	13.23	12.60	11.37	2.52	1.68	1.33	1.58	2.55	2.97	3.22	0.93	-1.00	-1.80	-2.06	-2.31	-3.53	-3.96	-5.81	-8.31	-8.08	-5.99	-3.38	-1.75	0.00	-0.16	-0.25	-6.65	-10.36	-11.32	-10.82	-10.16	-9.59	-9.34	-8.67	-8.47
105	-0.0	12.52	13.30	13.75	13.12	11.89	2.70	1.87	1.52	1.77	2.74	3.16	3.41	1.18	-1.18	-1.98	-2.24	-2.49	-3.71	-4.14	-5.49	-7.99	-7.76	-5.69	-3.08	-1.63	0.00	-0.18	-0.27	-6.35	-10.06	-11.02	-10.52	-9.86	-9.29	-9.04	-8.37	-8.17
110	-0.0	13.04	13.82	14.27	13.64	12.41	2.89	2.05	1.70	1.95	2.92	3.34	3.59	1.37	-1.37	-2.17	-2.43	-2.68	-3.90	-4.33	-5.19	-7.69	-7.46	-5.39	-2.78	-1.43	0.00	-0.20	-0.29	-6.05	-9.76	-10.72	-10.22	-9.56	-8.99	-8.74	-8.07	-7.87
115	-0.0	13.56	14.34	14.79	14.16	12.93	3.08	2.24	1.89	2.14	3.11	3.53	3.78	1.56	-1.56	-2.36	-2.62	-2.87	-4.09	-4.52	-4.87	-7.37	-7.14	-5.07	-2.27	-1.13	0.00	-0.22	-0.31	-5.75	-9.46	-10.42	-9.92	-9.26	-8.69	-8.44	-7.77	-7.57
120	-0.0	14.08	14.86	15.31	14.68	13.45	3.27	2.43	2.08	2.33	3.30	3.72	3.97	1.74	-1.74	-2.54	-2.80	-3.05	-4.27	-4.70	-5.05	-7.55	-7.32	-5.25	-1.83	-0.83	0.00	-0.24	-0.33	-5.45	-9.16	-10.12	-9.62	-8.96	-8.39	-8.14	-7.47	-7.27
125	-0.0	14.60	15.38	15.83	15.20	13.97	3.46	2.62	2.27	2.52	3.49	3.91	4.16	1.93	-1.93	-2.73	-2.99	-3.24	-4.46	-4.89	-5.24	-7.74	-7.51	-5.44	-1.43	-0.93	0.00	-0.26	-0.35	-5.15	-8.86	-9.82	-9.32	-8.66	-8.09	-7.84	-7.17	-6.97
130	-0.0	15.12	15.90	16.35	15.72	14.49	3.65	2.81	2.46	2.71	3.68	4.10	4.35	2.10	-2.10	-2.90	-3.16	-3.41	-4.63	-5.06	-5.41	-7.91	-7.68	-5.61	-0.93	-0.93	0.00	-0.28	-0.37	-4.85	-8.56	-9.52	-9.02	-8.36	-7.79	-7.54	-6.87	-6.67
135	-0.0	15.64	16.42	16.87	16.24	15.01	3.84	2.99	2.64	2.89	3.86	4.28	4.53	2.29	-2.29	-3.09	-3.35	-3.60	-4.82	-5.25	-5.60	-8.10	-7.87	-5.79	-0.53	-0.93	0.00	-0.30	-0.39	-4.55	-8.26	-9.22	-8.72	-8.06	-7.49	-7.24	-6.57	-6.37
140	-0.0	16.16	16.94	17.39	16.76	15.53	4.03	3.18	2.83	3.08	4.05	4.47	4.72	2.48	-2.48	-3.28	-3.54	-3.79	-5.01	-5.44	-5.79	-8.29	-8.06	-5.97	-0.13	-0.93	0.00	-0.32	-0.41	-4.25	-7.96	-8.92	-8.42	-7.76	-7.19	-6.94	-6.27	-6.07
145	-0.0	16.68	17.46	17.91	17.28	16.05	4.22	3.37	3.02	3.27	4.24	4.66	4.91	2.67	-2.67	-3.47	-3.73	-3.98	-5.19	-5.62	-5.97	-8.42	-8.19	-6.09	0.27	-0.93	0.00	-0.34	-0.43	-3.95	-7.66	-8.62	-8.12	-7.46	-6.89	-6.64	-5.97	-5.77
150	-0.0	17.20	17.98	18.43	17.80	16.57	4.41	3.56	3.21	3.46	4.43	4.85	5.10	2.86	-2.86	-3.66	-3.92	-4.17	-5.39	-5.82	-6.17	-8.62	-8.39	-6.27	0.67	-0.93	0.00	-0.36	-0.45	-3.65	-7.36	-8.32	-7.82	-7.16	-6.59	-6.34	-5.67	-5.47
155	-0.0	17.72	18.50	18.95	18.32	17.09	4.60	3.75	3.40	3.65	4.62	5.04	5.29	3.05	-3.05	-3.85	-4.11	-4.36	-5.58	-6.01	-6.36	-8.81	-8.58	-6.45	0.87	-0.93	0.00	-0.38	-0.47	-3.35	-7.06	-8.02	-7.52	-6.86	-6.29	-6.04	-5.37	-5.17
160	-0.0	18.24	19.02	19.47	18.84	17.61	4.79	3.94	3.59	3.84	4.81	5.23	5.48	3.24	-3.24	-4.04	-4.30	-4.55	-5.77																			

5825 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Phi(Angle)		(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	(°)	
0	-0.40	0.17	0.02	1.05	0.39	-0.44	-0.62	-0.56	-0.94	-1.63	-0.54	-1.99	-0.92	-0.80	-1.30	-0.50	-0.75	-0.72	-0.93	-1.64	-0.53	-1.12	-0.23	-1.01	-0.74	-0.85	-0.25	-1.24	-0.48	-1.44	-0.81	-0.20	-1.60	-0.80	-0.53	-1.47	-0.40		
5	-0.40	0.13	0.09	1.11	0.41	-0.12	-0.44	-0.69	-1.15	-0.75	-1.77	-0.79	0.33	0.64	0.10	-0.44	0.19	-0.47	-0.61	-0.48	0.44	0.19	-1.43	-0.43	-1.11	-0.75	-0.42	-0.99	-0.28	-1.13	-0.77	-0.36	-0.65	-0.70	-0.46	-0.47	-0.40		
10	-0.40	0.09	0.14	1.16	0.46	0.25	-0.20	-0.40	-0.90	-1.20	-0.80	0.00	1.07	1.00	1.32	0.32	-0.45	-1.00	-0.76	-0.30	-0.23	-1.14	-0.41	-1.14	-0.80	-0.40	-0.14	-0.86	-0.32	-1.10	-0.74	-0.46	-0.56	-0.46	-0.46	-0.40			
15	-0.40	0.05	0.18	1.24	0.59	0.44	-0.30	-0.30	-0.90	-1.41	-0.95	0.31	2.05	1.32	1.04	0.41	1.54	0.60	-0.30	-0.11	-0.39	-0.40	-0.55	-0.60	-1.02	-0.44	-0.34	-1.07	-0.40	-1.16	-0.74	-0.60	-0.74	-0.60	-0.40	-0.40			
20	-0.40	0.02	0.23	1.39	0.71	0.67	-0.23	-0.10	-0.68	-0.31	2.04	1.24	2.75	1.64	1.31	0.47	1.91	0.89	-0.11	-0.30	-0.40	-0.50	-0.60	-1.06	-0.40	-0.37	-1.14	-0.37	-1.27	-0.36	-1.23	-0.59	-0.55	-0.51	-0.75	-0.40	-0.40		
25	-0.40	0.01	0.23	1.49	0.85	0.74	-0.10	-0.14	-0.02	-0.18	2.11	1.68	3.00	1.58	1.33	0.49	2.24	1.75	-0.23	-0.33	-0.40	-0.44	-0.47	-1.07	-0.41	-0.32	-1.12	-0.32	-1.42	-0.31	-1.23	-0.59	-0.48	-0.48	-0.50	-0.40	-0.40		
30	-0.40	0.04	0.23	1.58	1.05	0.91	-0.11	-0.31	-0.30	-0.08	1.01	2.46	2.97	2.08	1.45	2.15	2.17	1.74	-0.14	-0.47	-0.44	-0.49	-0.56	-1.10	-0.39	-0.46	-1.03	-0.46	-1.49	-0.38	-1.40	-0.44	-0.42	-0.47	-0.47	-0.40	-0.40		
35	-0.40	0.06	0.24	1.70	1.16	1.07	-0.15	-0.45	-0.47	-0.31	1.26	3.19	3.00	1.46	1.30	2.17	1.96	1.96	-0.46	-0.44	-0.40	-0.46	-0.46	-1.08	-0.35	-0.40	-1.03	-0.46	-1.58	-0.38	-1.47	-0.40	-0.47	-0.47	-0.47	-0.40	-0.40		
40	-0.40	0.06	0.24	1.70	1.16	1.14	-0.16	-0.57	-0.60	-0.44	-0.11	0.61	1.40	1.33	0.86	0.62	1.35	1.28	-0.50	-0.44	-0.38	-0.56	-0.47	-1.00	-0.39	-0.46	-1.03	-0.46	-1.58	-0.34	-1.48	-0.40	-0.47	-0.47	-0.47	-0.40	-0.40		
45	-0.40	0.10	0.05	1.75	1.08	1.13	-0.22	-0.72	-0.34	-0.21	-0.40	0.82	1.65	1.64	1.00	0.84	1.19	0.95	-0.60	-0.21	-0.38	-0.60	-0.60	-1.20	-0.40	-0.38	-1.00	-0.40	-1.60	-0.38	-1.48	-0.39	-0.47	-0.47	-0.47	-0.40	-0.40		
50	-0.40	0.11	0.06	1.75	1.08	1.13	-0.24	-0.73	-0.30	-0.12	-0.18	1.06	2.29	2.40	1.01	1.21	1.06	0.95	-0.23	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40		
55	-0.40	0.12	0.07	1.75	1.08	1.13	-0.26	-0.73	-0.20	-0.02	0.06	1.40	2.97	2.40	1.00	1.21	1.06	0.95	-0.23	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40		
60	-0.40	0.12	0.08	1.73	1.08	1.12	-0.24	-0.64	-0.21	-0.01	0.03	1.75	2.86	1.32	0.70	1.00	1.15	0.12	-0.34	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40		
65	-0.40	0.12	0.09	1.71	1.08	1.29	0.05	0.23	0.10	0.27	0.91	1.91	2.64	2.73	2.24	1.52	0.77	-0.37	-0.37	-0.38	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40	
70	-0.40	0.12	0.01	1.69	1.74	1.33	1.00	0.86	1.16	1.43	1.73	2.09	2.31	2.15	1.65	0.92	0.01	-0.23	-0.37	-0.38	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40	
75	-0.40	0.12	0.03	1.66	1.66	1.31	1.08	1.39	1.42	2.25	2.25	2.27	2.12	1.88	1.55	1.07	0.03	-0.40	-0.40	-0.38	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40	
80	-0.40	0.17	0.07	1.66	1.66	1.31	1.08	1.39	1.42	2.25	2.25	2.27	2.12	1.88	1.55	1.07	0.03	-0.40	-0.40	-0.38	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40	
85	-0.40	0.17	0.07	1.66	1.66	1.31	1.08	1.39	1.42	2.25	2.25	2.27	2.12	1.88	1.55	1.07	0.03	-0.40	-0.40	-0.38	-0.40	-0.46	-0.52	-0.53	-1.08	-0.33	-0.42	-1.00	-0.40	-1.60	-0.36	-1.48	-0.37	-0.46	-0.47	-0.47	-0.40	-0.40	
90	-0.40	0.16	0.00	1.67	1.51	1.07	0.86	1.33	1.15	2.95	3.10	2.99	2.82	1.97	2.40	2.63	1.86	-0.44	-0.32	-0.27	-0.40	-0.57	-0.51	-1.11	-0.44	-0.40	-0.57	-0.51	-1.11	-0.44	-0.40	-0.57	-0.51	-0.90	-0.31	-0.37	-0.40	-0.40	
95	-0.40	0.09	0.05	1.70	1.47	0.91	0.67	0.80	1.99	3.05	3.20	2.81	1.70	1.45	1.93	2.33	1.76	-0.27	-0.37	-0.40	-0.36	-0.57	-0.51	-1.11	-0.44	-0.40	-0.57	-0.51	-1.11	-0.44	-0.40	-0.57	-0.51	-0.90	-0.31	-0.37	-0.40	-0.40	
100	-0.40	0.08	0.10	1.77	1.50	0.79	0.33	0.62	1.67	2.84	3.23	2.37	1.00	0.27	0.56	1.03	0.70	-0.05	-0.35	-0.54	-0.50	-0.74	-1.03	-0.39	-0.70	-0.37	-0.55	-0.86	-0.74	-0.87	-0.40	-0.46	-0.46	-0.46	-0.46	-0.40	-0.40		
105	-0.40	0.06	0.14	1.86	1.50	0.25	0.04	0.01	1.10	2.50	2.97	1.81	-0.02	-0.46	-0.46	-0.16	-0.16	-0.16	-0.35	-0.46	-0.56	-0.66	-0.86	-0.87	-1.10	-0.80	-0.90	-0.90	-0.91	-0.87	-0.80	-0.46	-0.46	-0.46	-0.46	-0.40	-0.40		
110	-0.40	0.08	0.18	1.96	1.74	0.04	-0.13	-0.40	-0.13	-0.40	-0.13	1.87	-0.16	-0.82	-0.92	-0.37	-0.64	-0.32	-0.33	-0.40	-0.50	-0.58	-0.68	-0.88	-0.79	-0.52	-0.91	-0.92	-0.91	-0.92	-0.91	-0.87	-0.80	-0.46	-0.46	-0.46	-0.40	-0.40	
115	-0.40	0.08	0.23	2.08	1.94	0.14	-0.10	-0.02	-0.23	0.95	1.25	0.22	-0.56	-0.56	-0.34	-0.84	-0.45	-0.48	-0.37	-0.38	-0.41	-0.71	-0.39	-0.70	-0.71	-0.39	-0.70	-0.71	-0.39	-0.70	-0.71	-0.39	-0.70	-0.71	-0.39	-0.70	-0.40	-0.40	
120	-0.40	0.08	0.26	2.18	2.18	0.16	0.13	0.01	-0.80	-0.47	0.05	0.20	0.61	-0.87	-0.57	-0.81	-0.16	-0.37	-0.40	-0.48	-0.48	-0.57	-0.86	-0.38	-1.12	-1.10	-0.76	-1.24	-0.38	-1.43	-0.58	-1.08	-0.66	-0.63	-0.36	-0.36	-0.40	-0.40	-0.40
125	-0.40	0.09	0.27	2.27	2.29	0.16	0.50	-0.07	-1.10	-0.95	-0.84	-0.47	-0.36	-0.76	-0.50	-0.60	-0.07	-0.34	-0.36	-0.47	-0.66	-0.66	-0.86	-0.86	-1.06	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.40	-0.40	
130	-0.40	0.09	0.27	2.27	2.29	0.16	0.50	-0.07	-1.10	-0.95	-0.84	-0.47	-0.36	-0.76	-0.50	-0.60	-0.07	-0.34	-0.36	-0.47	-0.66	-0.66	-0.86	-0.86	-1.06	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.40	-0.40	
135	-0.40	0.11	0.24	2.34	2.63	0.10	1.30	0.31	-0.05	-0.55	-0.64	-0.33	-0.30	-0.95	-0.82	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	
140	-0.40	0.13	0.20	2.31	2.64	0.22	1.50	0.67	-0.21	-0.19	-0.47	-0.06	-0.71	-0.46	-0.82	-0.53	-0.36	-0.40	-0.33	-0.46	-0.56	-0.66	-0.86	-0.86	-1.06	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.40	-0.40	
145	-0.40	0.16	0.14	2.23	2.57	0.20	1.46	0.73	0.01	-0.27	-0.46	-0.22	-0.40	-0.34	-0.71	-0.43	-0.36	-0.33	-0.46	-0.56	-0.66	-0.86	-0.86	-1.06	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.40	-0.40
150	-0.40	0.18	0.06	2.12	2.41	0.19	1.16	0.74	0.39	-0.22	-0.60	-0.20	-0.65	-0.22	-0.40	-0.64	-0.38	-0.33	-0.46	-0.56	-0.66	-0.86	-0.86	-1.06	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.40	-0.40
155	-0.40	0.21	0.01	2.10	2.10	0.18	0.86	0.75	-0.30	-0.42	-0.60	-0.24	-0.60	-0.24	-0.40	-0.64	-0.38	-0.33	-0.46	-0.56	-0.66	-0.86	-0.86	-1.06	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.86	-1.06	-0.40	-0.40
160	-0.40	0.24	0.09	1.93	1.93	0.12	0.26	-0.54	-0.36	-0.91	-0.46	-0.96	-0.41	-0.84	-0.38	-0.96	-0.27	-0.60	-0.25	-0.40	-0.50	-0.60	-0.80	-0.80	-1.00	-1.00	-0.80	-1.00	-0.80	-1.00	-0.80	-1.00	-0.80	-1.00	-0.80	-1.00	-0.40	-0.40	
165	-0.40	0.26	0.00	1.88	1.88	0.05	-0.10	-0.84	-0.38	-0.65	-0.60	-0.97	-0.46	-0.83	-0.44	-0.93	-0.33	-0.30	-0.46	-0.56	-0.66	-0.86	-0.8																

Doc.No.:3.8.05 Rev

7125 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Ph(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)
0	-2.27	-4.39	-6.97	-1.94	-3.60	-6.10	-4.20	-10.20	-14.33	-8.65	-4.44	-1.40	0.09	0.43	0.04	-0.41	-0.49	-0.57	-1.34	-3.29	-5.55	-5.53	-4.10	-11.25	-10.20	-7.87	-6.53	-4.09	-9.00	-3.50	-13.09	-19.00	-17.78	-18.84	-15.71	-15.24	-16.40	-16.42
5	-2.27	-4.47	-7.11	-2.00	-3.29	-5.34	-3.88	-9.84	-14.14	-8.21	-3.27	0.34	0.93	0.65	0.03	-0.45	-0.78	-1.44	-3.39	-5.44	-5.44	-4.06	-11.27	-10.20	-7.86	-6.46	-3.94	-8.92	-3.58	-13.06	-18.98	-17.66	-18.74	-15.68	-15.24	-16.40	-16.42	
10	-2.27	-4.54	-7.86	-2.10	-3.40	-5.45	-3.98	-9.94	-14.24	-8.31	-3.37	0.44	1.04	0.75	0.13	-0.55	-0.88	-1.54	-3.49	-5.54	-5.54	-4.16	-11.29	-10.22	-7.90	-6.56	-4.06	-9.01	-3.60	-13.10	-19.00	-17.78	-18.84	-15.71	-15.24	-16.40	-16.42	
15	-2.27	-4.61	-8.38	-2.24	-3.50	-5.56	-4.08	-10.04	-14.34	-8.41	-3.47	0.54	1.14	0.85	0.23	-0.65	-0.98	-1.64	-3.59	-5.64	-5.64	-4.26	-11.31	-10.24	-7.92	-6.58	-4.08	-9.01	-3.61	-13.11	-19.01	-17.79	-18.85	-15.72	-15.25	-16.41	-16.42	
20	-2.27	-4.71	-8.49	-2.26	-3.60	-5.66	-4.18	-10.14	-14.44	-8.51	-3.57	0.64	1.24	0.95	0.33	-0.75	-1.08	-1.74	-3.69	-5.74	-5.74	-4.36	-11.33	-10.26	-7.94	-6.60	-4.10	-9.01	-3.62	-13.12	-19.02	-17.80	-18.86	-15.74	-15.26	-16.42	-16.42	
25	-2.27	-4.77	-8.59	-2.28	-3.70	-5.76	-4.28	-10.24	-14.54	-8.61	-3.67	0.74	1.34	1.05	0.43	-0.85	-1.18	-1.84	-3.79	-5.84	-5.84	-4.46	-11.35	-10.28	-7.96	-6.62	-4.12	-9.01	-3.63	-13.13	-19.03	-17.81	-18.87	-15.75	-15.27	-16.43	-16.42	
30	-2.27	-4.84	-8.68	-2.31	-3.75	-5.86	-4.38	-10.34	-14.64	-8.71	-3.77	0.84	1.44	1.15	0.53	-0.95	-1.28	-1.94	-3.89	-5.94	-5.94	-4.56	-11.37	-10.30	-7.98	-6.64	-4.14	-9.01	-3.64	-13.14	-19.04	-17.82	-18.88	-15.76	-15.28	-16.43	-16.42	
35	-2.27	-4.90	-8.75	-2.34	-3.80	-5.96	-4.48	-10.44	-14.74	-8.81	-3.87	0.94	1.54	1.25	0.63	-1.05	-1.38	-2.04	-3.99	-6.04	-6.04	-4.66	-11.39	-10.32	-8.00	-6.66	-4.16	-9.01	-3.65	-13.15	-19.05	-17.83	-18.89	-15.77	-15.29	-16.44	-16.42	
40	-2.27	-4.96	-8.80	-2.36	-3.84	-6.06	-4.58	-10.54	-14.84	-8.91	-3.97	1.04	1.64	1.35	0.73	-1.15	-1.48	-2.14	-4.09	-6.14	-6.14	-4.76	-11.41	-10.34	-8.02	-6.68	-4.18	-9.01	-3.66	-13.16	-19.06	-17.84	-18.90	-15.78	-15.30	-16.44	-16.42	
45	-2.27	-5.00	-8.84	-2.38	-3.91	-6.16	-4.68	-10.64	-14.94	-9.01	-4.07	1.14	1.74	1.45	0.83	-1.25	-1.58	-2.24	-4.19	-6.24	-6.24	-4.86	-11.43	-10.36	-8.04	-6.70	-4.20	-9.01	-3.67	-13.17	-19.07	-17.85	-18.91	-15.79	-15.31	-16.45	-16.42	
50	-2.27	-5.04	-8.86	-2.40	-3.96	-6.26	-4.78	-10.74	-15.04	-9.11	-4.17	1.24	1.84	1.55	0.93	-1.35	-1.68	-2.34	-4.29	-6.34	-6.34	-4.96	-11.45	-10.38	-8.06	-6.72	-4.22	-9.01	-3.68	-13.18	-19.08	-17.86	-18.92	-15.80	-15.32	-16.45	-16.42	
55	-2.27	-5.08	-8.88	-2.42	-4.01	-6.36	-4.88	-10.84	-15.14	-9.21	-4.27	1.34	1.94	1.65	1.03	-1.45	-1.78	-2.44	-4.39	-6.44	-6.44	-5.06	-11.47	-10.40	-8.08	-6.74	-4.24	-9.01	-3.69	-13.19	-19.09	-17.87	-18.93	-15.81	-15.33	-16.46	-16.42	
60	-2.27	-5.11	-8.89	-2.44	-4.06	-6.46	-4.98	-10.94	-15.24	-9.31	-4.37	1.44	2.04	1.75	1.13	-1.55	-1.88	-2.54	-4.49	-6.54	-6.54	-5.16	-11.49	-10.42	-8.10	-6.76	-4.26	-9.01	-3.70	-13.20	-19.10	-17.88	-18.94	-15.82	-15.34	-16.46	-16.42	
65	-2.27	-5.13	-8.93	-2.46	-4.11	-6.56	-5.08	-11.04	-15.34	-9.41	-4.47	1.54	2.14	1.85	1.23	-1.65	-1.98	-2.64	-4.59	-6.64	-6.64	-5.26	-11.51	-10.44	-8.12	-6.78	-4.28	-9.01	-3.71	-13.21	-19.11	-17.89	-18.95	-15.83	-15.35	-16.47	-16.42	
70	-2.27	-5.16	-8.91	-2.48	-4.16	-6.66	-5.18	-11.14	-15.44	-9.51	-4.57	1.64	2.24	1.95	1.33	-1.75	-2.08	-2.74	-4.69	-6.74	-6.74	-5.36	-11.53	-10.46	-8.14	-6.80	-4.30	-9.01	-3.72	-13.22	-19.12	-17.90	-18.96	-15.84	-15.36	-16.47	-16.42	
75	-2.27	-5.18	-8.93	-2.50	-4.21	-6.76	-5.28	-11.24	-15.54	-9.61	-4.67	1.74	2.34	2.05	1.43	-1.85	-2.18	-2.84	-4.79	-6.84	-6.84	-5.46	-11.55	-10.48	-8.16	-6.82	-4.32	-9.01	-3.73	-13.23	-19.13	-17.91	-18.97	-15.85	-15.37	-16.48	-16.42	
80	-2.27	-5.21	-8.95	-2.52	-4.26	-6.86	-5.38	-11.34	-15.64	-9.71	-4.77	1.84	2.44	2.15	1.53	-1.95	-2.28	-2.94	-4.89	-6.94	-6.94	-5.56	-11.57	-10.50	-8.18	-6.84	-4.34	-9.01	-3.74	-13.24	-19.14	-17.92	-18.98	-15.86	-15.38	-16.48	-16.42	
85	-2.27	-5.23	-8.97	-2.54	-4.31	-6.96	-5.48	-11.44	-15.74	-9.81	-4.87	1.94	2.54	2.25	1.63	-2.05	-2.38	-3.04	-4.99	-7.04	-7.04	-5.66	-11.59	-10.52	-8.20	-6.86	-4.36	-9.01	-3.75	-13.25	-19.15	-17.93	-18.99	-15.87	-15.39	-16.49	-16.42	
90	-2.27	-5.26	-8.99	-2.56	-4.36	-7.06	-5.58	-11.54	-15.84	-9.91	-4.97	2.04	2.64	2.35	1.73	-2.15	-2.48	-3.14	-5.09	-7.14	-7.14	-5.76	-11.61	-10.54	-8.22	-6.88	-4.38	-9.01	-3.76	-13.26	-19.16	-17.94	-19.00	-15.88	-15.40	-16.49	-16.42	
95	-2.27	-5.28	-9.01	-2.58	-4.41	-7.16	-5.68	-11.64	-15.94	-10.01	-5.07	2.14	2.74	2.45	1.83	-2.25	-2.58	-3.24	-5.19	-7.24	-7.24	-5.86	-11.63	-10.56	-8.24	-6.90	-4.40	-9.01	-3.77	-13.27	-19.17	-17.95	-19.01	-15.89	-15.41	-16.50	-16.42	
100	-2.27	-5.31	-9.03	-2.60	-4.46	-7.26	-5.78	-11.74	-16.04	-10.11	-5.17	2.24	2.84	2.55	1.93	-2.35	-2.68	-3.34	-5.29	-7.34	-7.34	-5.96	-11.65	-10.58	-8.26	-6.92	-4.42	-9.01	-3.78	-13.28	-19.18	-17.96	-19.02	-15.90	-15.42	-16.50	-16.42	
105	-2.27	-5.34	-9.05	-2.62	-4.51	-7.36	-5.88	-11.84	-16.14	-10.21	-5.27	2.34	2.94	2.65	2.03	-2.45	-2.78	-3.44	-5.39	-7.44	-7.44	-6.06	-11.67	-10.60	-8.28	-6.94	-4.44	-9.01	-3.79	-13.29	-19.19	-17.97	-19.03	-15.91	-15.43	-16.51	-16.42	
110	-2.27	-5.36	-9.07	-2.64	-4.56	-7.46	-5.98	-11.94	-16.24	-10.31	-5.37	2.44	3.04	2.75	2.13	-2.55	-2.88	-3.54	-5.49	-7.54	-7.54	-6.16	-11.69	-10.62	-8.30	-6.96	-4.46	-9.01	-3.80	-13.30	-19.20	-17.98	-19.04	-15.92	-15.44	-16.51	-16.42	
115	-2.27	-5.39	-9.09	-2.66	-4.61	-7.56	-6.08	-12.04	-16.34	-10.41	-5.47	2.54	3.14	2.85	2.23	-2.65	-2.98	-3.64	-5.59	-7.64	-7.64	-6.26	-11.71	-10.64	-8.32	-6.98	-4.48	-9.01	-3.81	-13.31	-19.21	-17.99	-19.05	-15.93	-15.45	-16.52	-16.42	
120	-2.27	-5.41	-9.11	-2.68	-4.66	-7.66	-6.18	-12.14	-16.44	-10.51	-5.57	2.64	3.24	2.95	2.33	-2.75	-3.08	-3.74	-5.69	-7.74	-7.74	-6.36	-11.73	-10.66	-8.34	-7.00	-4.50	-9.01	-3.82	-13.32	-19.22	-18.00	-19.06	-15.94	-15.46	-16.52	-16.42	
125	-2.27	-5.44	-9.13	-2.70	-4.71	-7.76	-6.28	-12.24	-16.54	-10.61	-5.67	2.74	3.34	3.05	2.43	-2.85	-3.18	-3.84	-5.79	-7.84	-7.84	-6.46	-11.75	-10.68	-8.36	-7.02	-4.52	-9.01	-3.83	-13.33	-19.23	-18.01	-19.07	-15.95	-15.47	-16.53	-16.42	
130	-2.27	-5.46	-9.15	-2.72	-4.76	-7.86	-6.38	-12.34	-16.64	-10.71	-5.77	2.84	3.44	3.15	2.53	-2.95	-3.28	-3.94	-5.89	-7.94	-7.94	-6.56	-11.77	-10.70	-8.38	-7.04	-4.54	-9.01	-3.84	-13.34	-19.24	-18.02	-19.08	-15.96	-15.48	-16.53	-16.42	
135	-2.27	-5.49	-9.17	-2.74	-4.81	-7.96	-6.48	-12.44	-16.74	-10.81	-5.87	2.94	3.54	3.25	2.63	-3.05	-3.38	-4.04	-5.99	-8.04	-8.04	-6.66	-11.79	-10.72	-8.40	-7.06	-4.56	-9.01	-3.85	-13.35	-19.25	-18.03	-19.09	-15.97	-15.49	-16.54	-16.42	
140	-2.27	-5.51	-9.19	-2.76	-4.86	-8.06	-6.58	-12.54	-16.84	-10.91	-5.97	3.04	3.64	3.35	2.73	-3.15	-3.48	-4.14	-6.09	-8.14	-8.14	-6.76	-11.81	-10.74	-8.42	-7.08	-4.58	-9.01	-3.86	-13.36	-19.26	-18.04	-19.10	-15.98	-15.50	-16.54	-16.42	
145	-2.27	-5.54	-9.21	-2.78	-4.91	-8.16	-6.68	-12.64	-16.94	-11.01	-6.07	3.14	3.74	3.45	2.83	-3.25	-3.58	-4.24	-6.19	-8.24	-8.24	-6.86	-11.83	-10.76	-8.44	-7.10	-4.60	-9.01	-3.87	-13.37	-19.27	-18.05	-19.11	-15.99	-15.51	-16.55	-16.42	
150	-2.27	-5.56	-9.23	-2.80	-4.96	-8.26	-6.78	-12.74	-17.04	-11.11	-6.17	3.24	3.84	3.55	2.93	-3.35	-3.68	-4.34	-6.29	-8.34	-8.34	-6.96	-11.85	-10.78	-8.46	-7.12	-4.62	-9.01	-3.88	-13.38	-19.28	-18.06	-19.12	-16.00	-15.52	-16.55	-16.42	
155	-2.27	-5.59	-9.25	-2.82	-5.01	-8.36	-6.88	-12.84	-17.14	-11.21	-6.27	3.34	3.94	3.65	3.03	-3.45	-3.78	-4.44	-6.39	-8.44	-8.44	-7.06	-11.87	-10.80	-8.48	-7.14	-4.64	-9.01	-3.89	-13.39	-19.29	-18.07	-19.13	-16.01	-15.53	-16.56	-16.42	
160	-2.27	-5.61	-9.27	-2.84	-5.06	-8.46	-6.98	-12.94	-17.24	-11.31	-6.37	3.44	4.04	3.75	3.13	-3.55	-3.88	-4.54	-6.49	-8.54	-8.54	-7.16	-11.89	-10.82	-8.50	-7.16	-4.66	-9.01	-3									

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