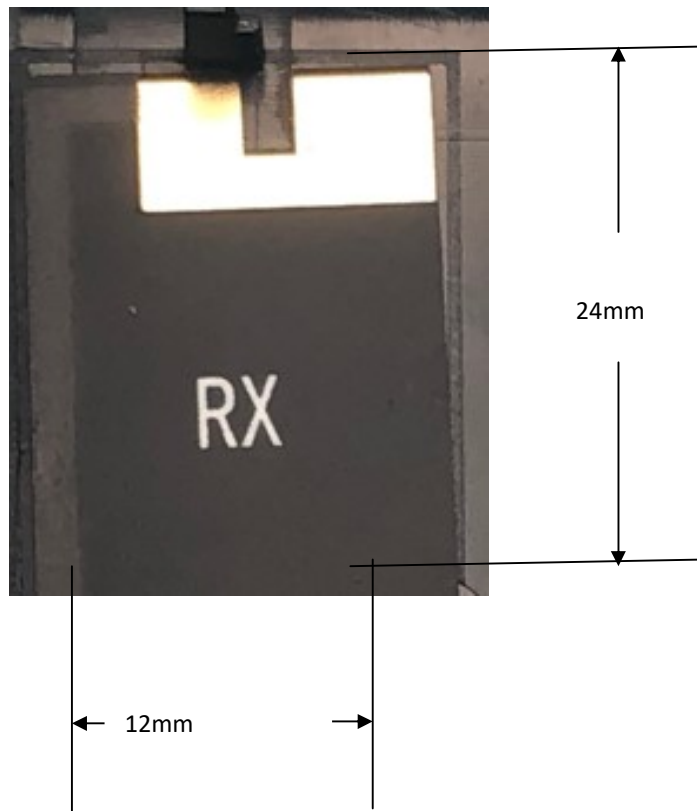


1. Antenna Description

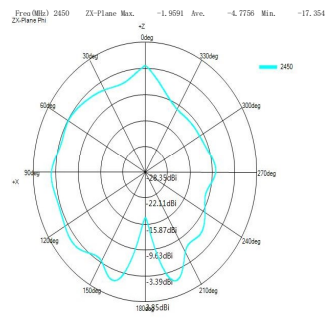
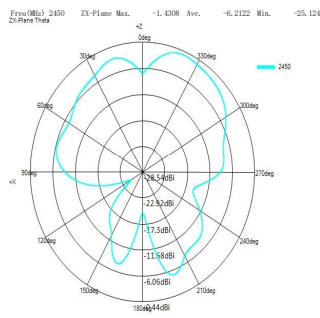
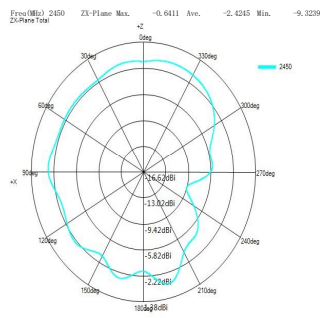
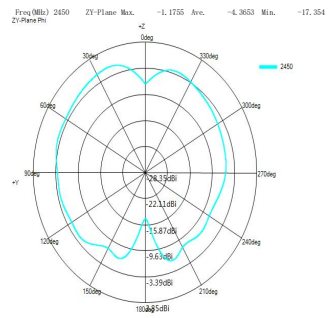
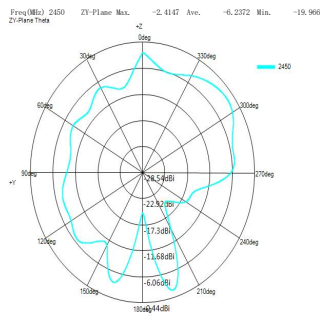
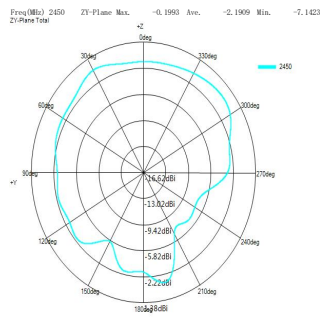
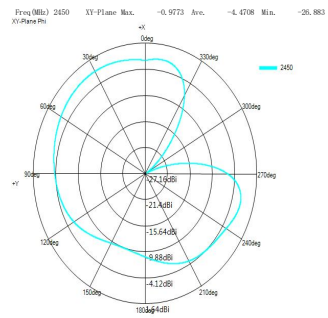
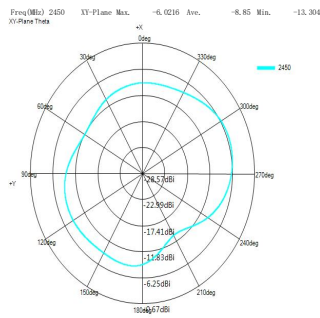
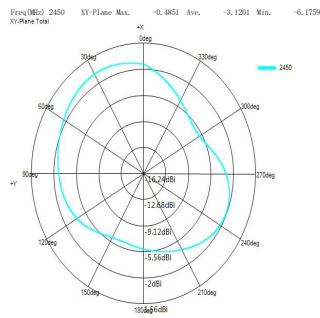
Antenna plate	PCB antenna
Market name/Model name	YV003TX
Manufacture	Shenzhen Vijim Technology Co., Ltd.
Antenna Max. Gain	1.37dBi
Frequency Range	2400.0-2480.0MHz
Connect Type	PCB antenna
VSWR	1.1

2. Picture of antenna

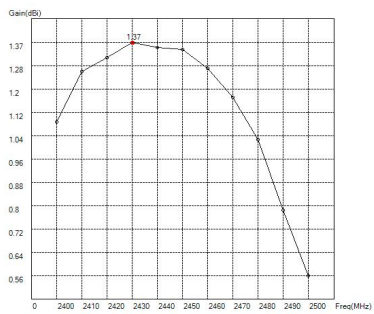


3. Antenna Radiation Pattern

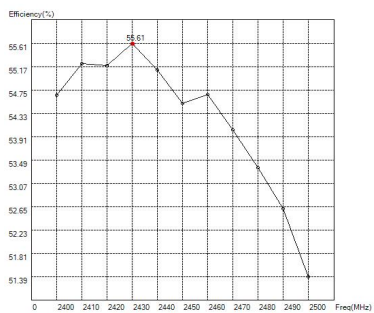
Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	1.09	-2.622068268	54.67555161
2410	1.27	-2.577217515	55.24312635
2420	1.31	-2.579206597	55.21783063
2430	1.37	-2.548385848	55.61109099
2440	1.35	-2.586273225	55.12805592
2450	1.34	-2.633807556	54.52795927
2460	1.28	-2.621300929	54.68521288
2470	1.18	-2.672377738	54.0458344
2480	1.03	-2.727542465	53.36367782
2490	0.79	-2.787963509	52.62639839
2500	0.56	-2.890841995	51.39440003



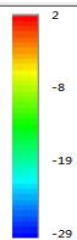
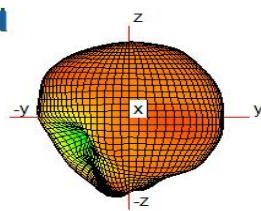
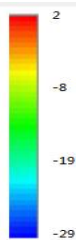
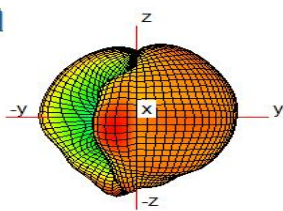
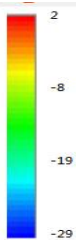
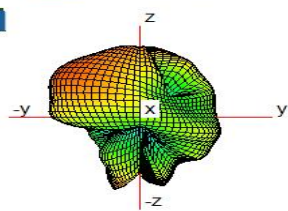
Gain-Plane



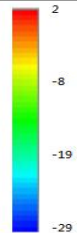
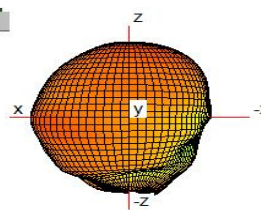
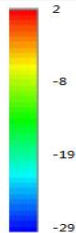
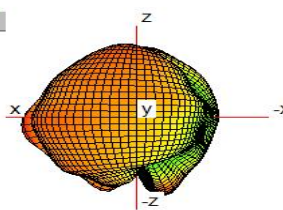
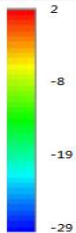
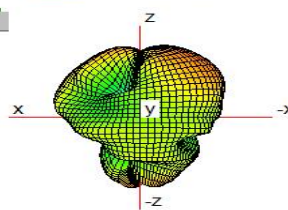
Efficiency-Plane



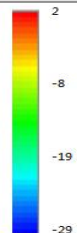
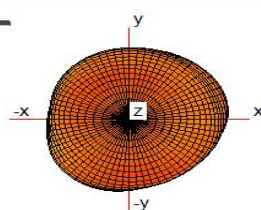
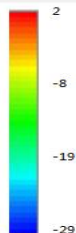
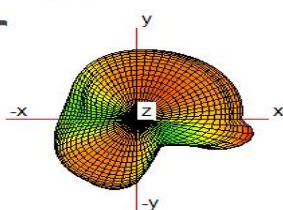
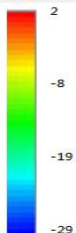
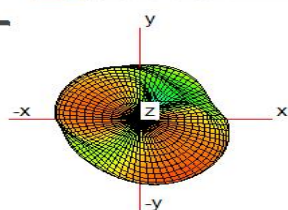
Freq (MHz) 2450 X+



Freq (MHz) 2450 Y+



Freq (MHz) 2450 Z+



Polarization	Theta	Channel				Freq (MHz)										
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-7.96	-2.88	-4	-5.74	-6.09	-5.5	-9.25	-14.55	-23.17	-17.76	-12.41	-9.14	-17.94			
30	-3.4	-6.55	-9.66	-11.96	-13.5	-10.8	-9.55	-9.58	-13.78	-21.69	-25.66	-17.94	-17.94			
60	-1.87	-15.18	-17.99	-22.87	-16.14	-14.44	-12.94	-6.36	-10	-9.07	-13.05	-9.42	-17.94			
90	-2.65	-9.88	-7.93	-9.8	-9.35	-11.27	-11.78	-6.86	-8.28	-6.67	-9.25	-4.71	-17.94			
120	-6.11	-4	-3.43	-4.82	-5.43	-8.15	-10.42	-7.43	-9.96	-6.47	-7.16	-3.17	-17.94			
150	-12.61	-1.61	-1.67	-2.7	-4.21	-7.44	-9.39	-8.64	-13.41	-7.75	-5.82	-3.86	-17.94			
180	-7.93	-1.71	-1.99	-3.07	-5.44	-8.16	-9.16	-15.26	-10.85	-8.01	-7.1	-7.01	-17.94			
210	-3.12	-4.69	-5.23	-7.21	-9.1	-7.6	-13.31	-11.84	-12.84	-7.71	-12.22	-14.61	-17.94			
240	-1.5	-10.05	-8.9	-7.4	-6.2	-7.19	-8.82	-12.57	-12.61	-13.11	-22.56	-8.41	-17.94			
270	-2.42	-6.57	-4.18	-2.5	-2.65	-5.45	-6.24	-14.04	-17.65	-22.77	-15.11	-2.96	-17.94			
300	-6.18	-2.84	-1.44	-1.14	-1.27	-4.49	-5.88	-13.86	-21.24	-12.18	-8.93	-2.36	-17.94			
330	-12.58	-1.86	-1.57	-2.44	-2.15	-4.25	-8.45	-11.85	-18.93	-12.52	-7.01	-4.81	-17.94			
360	-7.96	-2.88	-4	-5.74	-6.09	-5.5	-9.25	-14.55	-23.17	-17.76	-12.41	-9.14	-17.94			

Polarization	Phi	Channel				Freq (MHz)										
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-2.65	-6.25	-5.34	-4.96	-3.52	-4.01	-2.73	-2.7	-2.4	-2.62	-3.24	-2.36	-20.1			
30	-6.11	-2.4	-2.11	-2.62	-1.85	-2.34	-1.83	-1.35	-2.06	-1.32	-2.58	-3.12	-20.1			
60	-12.61	-1.11	-1.07	-1.75	-1.31	-1.93	-2.49	-2.08	-2.43	-2.69	-3.59	-5.02	-20.1			
90	-7.93	-1.8	-1.64	-2.13	-2.23	-2.44	-4	-3.77	-4.36	-5.04	-6.81	-9.65	-20.1			
120	-3.12	-4.63	-3.78	-3.98	-4.58	-4.1	-6.2	-6.24	-6.48	-8.44	-11.54	-20.1	-20.1			
150	-1.49	-9.75	-8.52	-8.6	-9.59	-8.01	-9.14	-9.42	-8.98	-10.84	-11.88	-9.18	-20.1			
180	-2.42	-7.86	-10.28	-10	-9.61	-8.82	-7.66	-8.48	-7.9	-6.37	-5.95	-2.32	-20.1			
210	-6.18	-3.35	-4.03	-3.74	-3.74	-4.01	-4.07	-3.76	-3.86	-3.27	-1.91	0.97	-20.1			
240	-12.57	-1.72	-1.82	-2	-1.98	-2.53	-2.58	-2.95	-3.03	-1.42	-1.73	0.29	-20.1			
270	-7.96	-2.85	-3.13	-4.25	-4.52	-5.31	-5.63	-6.15	-6.2	-6.23	-8.21	-7	-20.1			
300	-3.4	-7.02	-8.97	-12.61	-15.98	-19.67	-25.22	-21.01	-14.8	-12.95	-12.88	-11.13	-20.1			
330	-1.87	-11.66	-13.26	-10.81	-8.37	-9.05	-7.65	-6.74	-7.36	-7.37	-4.47	-3.1	-20.1			
360	-2.65	-6.25	-5.34	-4.96	-3.52	-4.01	-2.73	-2.7	-2.4	-2.62	-3.24	-2.36	-20.1			

Polarization	Total	Channel				Freq (MHz)										
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-1.53	-1.23	-1.61	-2.32	-1.6	-1.68	-1.86	-2.43	-2.36	-2.49	-2.74	-1.54	-3.67			
30	-1.53	-0.98	-1.41	-2.15	-1.57	-1.76	-1.16	-0.75	-1.78	-1.28	-2.56	-2.98	-3.67			
60	-1.52	-0.95	-0.98	-1.72	-1.17	-1.69	-2.11	-0.7	-1.73	-1.79	-3.12	-3.67	-3.67			
90	-1.52	-1.18	-0.72	-1.44	-1.46	-1.9	-3.33	-2.03	-2.88	-2.77	-4.85	-3.51	-3.67			
120	-1.35	-1.29	-0.59	-1.37	-1.98	-2.66	-4.8	-3.78	-4.87	-4.34	-5.81	-3.08	-3.67			
150	-1.17	-0.99	-0.86	-1.71	-3.11	-4.71	-6.26	-6	-7.64	-6.02	-4.86	-2.74	-3.67			
180	-1.35	-0.76	-1.39	-2.27	-4.03	-5.47	-5.34	-7.66	-6.12	-4.11	-3.48	-1.05	-3.67			
210	-1.37	-0.96	-1.58	-2.13	-2.63	-2.43	-3.58	-3.13	-3.34	-1.94	-1.52	1.09	-3.67			
240	-1.17	-1.13	-1.04	-0.9	-0.59	-1.25	-1.65	-2.5	-2.58	-1.13	-1.69	0.84	-3.67			
270	-1.35	-1.31	-0.61	-0.28	-0.48	-2.37	-2.91	-5.5	-5.9	-6.13	-7.41	-1.52	-3.67			
300	-1.56	-1.44	-0.74	-0.84	-1.12	-4.36	-5.83	-13.1	-13.91	-9.54	-7.46	-1.81	-3.67			
330	-1.51	-1.43	-1.28	-1.85	-1.22	-3.01	-5.02	-5.57	-7.06	-6.21	-2.55	-0.86	-3.67			
360	-1.53	-1.23	-1.61	-2.32	-1.6	-1.68	-1.86	-2.43	-2.36	-2.49	-2.74	-1.54	-3.67			

Polarization	Theta	Channel				Freq (MHz)										
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-7.84	-2.82	-3.97	-5.7	-6.25	-5.55	-9.19	-14.89	-23.71	-17.51	-12.52	-8.89	-18.35			
30	-3.36	-6.49	-9.77	-11.98	-13.66	-11.12	-9.65	-9.48	-13.94	-21.76	-25.5	-18.35	-18.35			
60	-1.87	-15.07	-18.02	-22.04	-15.25	-14.34	-12.91	-6.42	-9.97	-9.12	-13.22	-9.54	-18.35			
90	-2.66	-9.81	-7.66	-9.64	-8.94	-10.95	-11.3	-6.96	-8.24	-6.73	-9.43	-4.73	-18.35			
120	-6.04	-3.95	-3.27	-4.68	-5.24	-7.78	-9.98	-7.46	-9.79	-6.49	-7.29	-3.1	-18.35			
150	-12.34	-1.59	-1.5	-2.53	-3.99	-7.06	-9.19	-8.5	-13.73	-7.66	-5.82	-3.73	-18.35			
180	-7.73	-1.67	-1.79	-2.86	-5.16	-7.98	-9.16	-15.1	-10.96	-7.95	-7.04	-6.84	-18.35			
210	-2.97	-4.57	-4.96	-7.05	-9.01	-7.6	-13.44	-11.89	-12.87	-7.62	-12.11	-14.32	-18.35			
240	-1.32	-9.83	-8.77	-7.41	-6.2	-7.08	-8.99	-12.56	-12.6	-12.99	-22	-8.29	-18.35			
270	-2.26	-6.52	-4.21	-2.33	-2.53	-5.31	-6.2	-13.83	-17.33	-22.02	-14.93	-2.84	-18.35			
300	-5.98	-2.81	-1.46	-0.95	-1.12	-4.34	-5.82	-13.65	-21.66	-12.07	-8.82	-2.24	-18.35			
330	-12.28	-1.83	-1.58	-2.33	-2.1	-4.17	-8.42	-11.9	-19.01	-12.39	-6.95	-4.65	-18.35			
360	-7.84	-2.82	-3.97	-5.7	-6.25	-5.55	-9.19	-14.89	-23.71	-17.51	-12.52	-8.89	-18.35			

Polarization	Phi	Channel				Freq (MHz)										
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-2.66	-6.16	-5.25	-4.77	-3.46	-3.91	-2.52	-2.68	-2.34	-2.51	-3.38	-2.37	-20.19			
30	-6.04	-2.3	-1.98	-2.5	-1.87	-2.39	-1.64	-1.38	-2.07	-1.33	-2.75	-3.1	-20.19			
60	-12.34	-1.04	-0.93	-1.66	-1.32	-1.97	-2.36	-2.11	-2.44	-2.75	-3.77	-4.93	-20.19			
90	-7.73	-1.74	-1.49	-2.05	-2.21	-2.43	-3.92	-3.72	-4.29	-5.05	-6.98	-9.51	-20.19			
120	-2.97	-4.58	-3.6	-3.89	-4.56	-4.04	-6.14	-6.13	-6.34	-8.29	-11.56	-20.19	-20.19			
150	-1.32	-9.72	-8.33	-8.54	-9.66	-8.03	-9.11	-9.45	-8.94	-10.74	-11.86	-9.17	-20.19			
180	-2.26	-7.93	-10.2	-10.18	-9.85	-8.93	-7.73	-8.78	-8.02	-6.33	-5.96	-2.16	-20.19			
210	-5.98	-3.45	-4.01	-3.75	-3.77	-4.05	-4.13	-3.96	-3.97	-3.24	-1.92	1.14	-20.19			
240	-12.28	-1.76	-1.73	-1.95	-1.99	-2.53	-2.6	-3.11	-3.18	-1.41	-1.71	0.46	-20.19			
270	-7.84	-2.85	-3.05	-4.19	-4.56	-5.36	-5.66	-6.36	-6.45	-6.27	-8.19	-6.88	-20.19			
300	-3.36	-6.9	-8.83	-12.57	-15.82	-20.22	-25.84	-22.52	-15.4	-13.15	-12.7	-11.06	-20.19			
330	-13.7	-11.34	-13.19	-10.52	-8.19	-8.79	-7.45	-6.64	-7.21	-7.37	-4.5	-3.07	-20.19			
360	-2.66	-6.16	-5.25	-4.77	-3.46	-3.91	-2.52	-2.68	-2.34	-2.51	-3.38	-2.37	-20.19			

Polarization	Total	Channel				Freq (MHz)										
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-1.51	-1.17	-1.55	-2.2	-1.63	-1.64	-1.67	-2.43	-2.3	-2.37	-2.88	-1.5	-3.64			
30	-1.49	-0.9	-1.31	-2.04	-1.59	-1.85	-1	-0.76	-1.8	-1.29	-2.72	-2.97	-3.64			
60	-1.5	-0.87	-0.84	-1.62	-1.15	-1.73	-2	-0.74	-1.74	-1.85	-3.3	-3.64	-3.64			
90	-1.49	-1.11	-0.55	-1.35	-1.38	-1.86	-3.19	-2.03	-2.82	-2.8	-5.02	-3.48	-3.64			
120	-1.23	-1.24	-0.42	-1.26	-1.88	-2.51	-4.64	-3.74	-4.72	-4.29	-5.91	-3.01	-3.64			
150	-0.99	-0.97	-0.68	-1.56	-2.89	-4.51	-6.14	-5.94	-7.69	-5.93	-4.86	-2.64	-3.64			
180	-1.18	-0.75	-1.21	-2.12	-3.85	-5.42	-5.38	-7.87	-6.23	-4.05	-3.64	-0.89	-3.64			
210	-1.21	-0.96	-1.45	-2.08	-2.64	-2.46	-3.65	-3.31	-3.45	-1.89	-1.53	1.27	-3.64			
240	-0.99	-1.13	-0.95	-0.86	-0.6	-1.22	-1.7	-2.64	-2.71	-1.12	-1.67	1	-3.64			
270	-1.2	-1.3	-0.58	-0.15	-0.42	-2.32	-2.91	-5.65	-6.11	-6.15	-7.35	-1.39	-3.64			
300	-1.46	-1.38	-0.73	-0.66	-0.98	-4.23	-5.78	-13.12	-14.48	-9.57	-7.37	-1.7	-3.64			
330	-1.49	-1.37	-1.29	-1.72	-1.14	-2.88	-4.9	-5.51	-6.93	-6.18	-2.55	-0.78	-3.64			
360	-1.51	-1.17	-1.55	-2.2	-1.63	-1.64	-1.67	-2.43	-2.3	-2.37	-2.88	-1.5	-3.64			

270	-2.19	-6.38	-4.24	-2.3	-2.48	-5.24	-6.26	-13.77	-16.86	-21.47	-14.78	-2.76	-18.8
300	-5.85	-2.75	-1.54	-0.84	-1.05	-4.23	-5.81	-13.42	-22.29	-11.99	-8.69	-2.17	-18.8
330	-12.06	-1.81	-1.63	-2.21	-2.1	-4.14	-8.43	-11.9	-19.31	-12.25	-6.94	-4.6	-18.8
360	-7.74	-2.82	-4.02	-5.61	-6.47	-5.71	-9.19	-15.36	-24.16	-17.44	-12.61	-8.76	-18.8

Polarization	Phi	Channel			Freq(MHz)			2420	90	105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-2.68	-6.12	-5.19	-4.67	-3.46	-3.82	-2.33	-2.65	-2.32	-2.47	-3.51	-2.35	-19.51		
30	-6.06	-2.27	-1.87	-2.44	-1.94	-2.45	-1.39	-1.41	-2.15	-1.37	-2.93	-2.95	-19.51		
60	-12.23	-1	-0.79	-1.62	-1.43	-2.07	-2.21	-2.17	-2.6	-2.82	-4.03	-4.64	-19.51		
90	-7.61	-1.73	-1.37	-2.04	-2.29	-2.45	-3.83	-3.76	-4.39	-5.06	-7.25	-9.08	-19.51		
120	-2.9	-4.56	-3.5	-3.89	-4.6	-4.04	-6	-6.05	-6.33	-8.22	-11.74	-19.51	-19.51		
150	-1.26	-9.7	-8.3	-8.53	-9.8	-8.12	-9.13	-9.55	-9.03	-10.83	-11.91	-9.13	-19.51		
180	-2.19	-8.06	-10.36	-10.46	-10.07	-9.13	-7.97	-9.19	-8.19	-6.46	-5.93	-2.03	-19.51		
210	-5.85	-3.54	-4.15	-3.79	-3.84	-4.1	-4.38	-4.21	-4.11	-3.37	-1.87	1.19	-19.51		
240	-12.06	-1.86	-1.8	-1.92	-2.05	-2.53	-2.81	-3.29	-3.34	-1.55	-1.63	0.47	-19.51		
270	-7.74	-2.87	-3.13	-4.14	-4.66	-5.4	-5.88	-6.64	-6.74	-6.47	-8.04	-6.93	-19.51		
300	-3.31	-6.83	-8.92	-12.67	-15.72	-20.5	-27.5	-24.02	-16.15	-13.23	-12.84	-11.07	-19.51		
330	-1.87	-11.13	-13.08	-10.43	-8.13	-8.57	-7.3	-6.58	-7.18	-7.41	-4.58	-3.07	-19.51		
360	-2.68	-6.12	-5.19	-4.67	-3.46	-3.82	-2.33	-2.65	-2.32	-2.47	-3.51	-2.35	-19.51		

Polarization	Total	Channel			Freq(MHz)			2420	90	105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-1.5	-1.16	-1.55	-2.11	-1.7	-1.65	-1.52	-2.42	-2.29	-2.33	-3.01	-1.45	-3.46		
30	-1.46	-0.87	-1.23	-1.96	-1.67	-1.94	-0.81	-0.77	-1.88	-1.33	-2.91	-2.84	-3.46		
60	-1.48	-0.83	-0.71	-1.57	-1.23	-1.8	-1.84	-0.8	-1.86	-1.92	-3.55	-3.46	-3.46		
90	-1.47	-1.09	-0.42	-1.33	-1.38	-1.83	-3.03	-2.11	-2.86	-2.83	-5.24	-3.35	-3.46		
120	-1.19	-1.23	-0.32	-1.26	-1.85	-2.42	-4.4	-3.69	-4.64	-4.26	-6.05	-2.91	-3.46		
150	-0.92	-0.97	-0.6	-1.46	-2.89	-4.39	-6.08	-5.91	-7.86	-5.93	-4.9	-2.54	-3.46		
180	-1.09	-0.78	-1.12	-1.99	-3.75	-5.45	-5.5	-8.2	-6.41	-4.15	-3.44	-0.76	-3.46		
210	-1.12	-0.98	-1.43	-2.05	-2.68	-2.52	-3.87	-3.56	-3.58	-1.99	-1.47	1.31	-3.46		
240	-0.91	-1.18	-0.99	-0.86	-0.66	-1.22	-1.9	-2.81	-2.85	-1.25	-1.59	1.03	-3.46		
270	-1.12	-1.27	-0.64	-0.12	-0.43	-2.31	-3.05	-5.87	-6.34	-6.33	-7.2	-1.35	-3.46		
300	-1.39	-1.31	-0.82	-0.56	-0.9	-4.12	-5.78	-13.06	-15.21	-9.56	-7.27	-1.64	-3.46		
330	-1.47	-1.33	-1.33	-1.6	-1.13	-2.81	-4.82	-5.46	-6.92	-6.18	-2.59	-0.76	-3.46		
360	-1.5	-1.16	-1.55	-2.11	-1.7	-1.65	-1.52	-2.42	-2.29	-2.33	-3.01	-1.45	-3.46		

Polarization	Theta	Channel			Freq(MHz)			2430	90	105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-7.66	-2.8	-4.06	-5.52	-6.73	-5.84	-9.06	-15.91	-24.94	-17.15	-12.28	-8.64	-19.15		
30	-3.25	-6.49	-9.98	-11.62	-13.83	-11.87	-9.98	-9.33	-14.34	-21.47	-26.66	-19.15	-19.15		
60	-1.81	-15.02	-19.01	-20.62	-13.87	-13.6	-12.43	-6.57	-9.75	-9.33	-14	-9.57	-19.15		
90	-2.63	-9.48	-7.42	-9.43	-8.35	-10.1	-10.15	-7.29	-7.89	-6.91	-9.95	-4.54	-19.15		
120	-6.02	-3.83	-3.09	-4.54	-5.05	-7.3	-9.04	-7.46	-9.27	-6.56	-7.63	-2.87	-19.15		
150	-12.08	-1.52	-1.34	-2.24	-3.77	-6.58	-8.94	-8.23	-14.38	-7.67	-6.01	-3.53	-19.15		
180	-7.58	-1.62	-1.57	-2.49	-4.7	-7.84	-9.15	-14.97	-11.32	-8.03	-7.1	-6.6	-19.15		
210	-2.88	-4.39	-4.61	-6.71	-8.98	-7.81	-13.46	-12.39	-12.99	-7.56	-11.67	-14.09	-19.15		
240	-1.18	-9.23	-8.46	-7.55	-6.44	-7.11	-9.33	-12.61	-12.42	-12.79	-20.3	-7.97	-19.15		
270	-2.09	-6.12	-4.21	-2.26	-2.49	-5.24	-6.26	-13.84	-16.29	-20.77	-14.74	-2.57	-19.15		
300	-5.73	-2.63	-1.61	-0.72	-1.01	-4.17	-5.78	-13.32	-22.62	-11.98	-8.58	-2.02	-19.15		
330	-11.95	-1.75	-1.69	-2.13	-2.15	-4.08	-8.37	-11.97	-19.64	-12.14	-6.79	-4.47	-19.15		
360	-7.66	-2.8	-4.06	-5.52	-6.73	-5.84	-9.06	-15.91	-24.94	-17.15	-12.28	-8.64	-19.15		

Polarization	Phi	Channel			Freq(MHz)			2430	90	105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-2.63	-6.07	-5.14	-4.55	-3.49	-3.75	-2.2	-2.66	-2.28	-2.33	-3.45	-2.22	-19.4		
30	-6.02	-2.26	-1.8	-2.36	-1.99	-2.45	-1.27	-1.42	-2.18	-1.28	-2.85	-2.69	-19.4		
60	-12.08	-0.93	-0.67	-1.55	-1.49	-2.08	-2.15	-2.2	-2.64	-2.73	-4.01	-4.22	-19.4		
90	-7.58	-1.67	-1.25	-1.96	-2.31	-2.44	-3.82	-3.77	-4.4	-4.94	-7.25	-8.51	-19.4		
120	-2.88	-4.48	-3.42	-3.82	-4.64	-4.07	-5.94	-6.07	-6.34	-8.03	-11.73	-19.4	-19.4		
150	-1.18	-9.54	-8.22	-8.36	-9.87	-8.24	-9.15	-9.78	-9.19	-10.76	-12.14	-9.07	-19.4		
180	-2.09	-8.12	-10.4	-10.5	-10.33	-9.27	-8.13	-9.63	-8.55	-6.49	-5.97	-1.94	-19.4		
210	-5.73	-3.62	-4.15	-3.8	-3.84	-4.03	-4.45	-4.36	-4.37	-3.43	-1.79	1.24	-19.4		
240	-11.95	-1.9	-1.76	-1.89	-1.98	-2.45	-2.79	-3.31	-3.57	-1.62	-1.47	0.49	-19.4		
270	-7.66	-2.88	-3.07	-4.14	-4.62	-5.28	-5.8	-6.65	-6.99	-6.64	-7.75	-7.01	-19.4		
300	-3.25	-6.75	-8.9	-12.62	-15.51	-20.37	-27.2	-24.4	-16.46	-13.42	-12.87	-10.76	-19.4		
330	-1.81	-10.86	-13.01	-10.23	-8.12	-8.44	-7.16	-6.51	-7.08	-7.35	-4.52	-2.95	-19.4		
360	-2.63	-6.07	-5.14	-4.55	-3.49	-3.75	-2.2	-2.66	-2.28	-2.33	-3.45	-2.22	-19.4		

Polarization	Total	Channel			Freq(MHz)			2430	90	105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-1.45	-1.13	-1.56	-2	-1.8	-1.66	-1.38	-2.46	-2.26	-2.19	-2.92	-1.33	-3.11		
30	-1.41	-0.87	-1.19	-1.88	-1.71	-1.98	-0.72	-0.77	-1.92	-1.24	-2.83	-2.6	-3.11		
60	-1.42	-0.76	-0.61	-1.5	-1.25	-1.79	-1.76	-0.84	-1.87	-1.87	-3.6	-3.11	-3.11		
90	-1.43	-1	-0.31	-1.24	-1.35	-1.75	-2.91	-2.17	-2.79	-2.8	-5.39	-3.08	-3.11		
120	-1.16	-1.13	-0.24	-1.16	-1.83	-2.38	-4.21	-3.7	-4.55	-4.22	-6.2	-2.77	-3.11		
150	-0.84	-0.89	-0.53	-1.29	-2.82	-4.32	-6.03	-5.93	-8.04	-5.93	-5.06	-2.46	-3.11		
180	-1.01	-0.74	-1.04	-1.85	-3.65	-5.49	-5.6	-8.52	-6.7	-4.18	-3.49	-0.66	-3.11		
210	-1.06	-0.97	-1.36	-2.01	-2.68	-2.51	-3.94	-3.73	-3.81	-2.01	-1.37	1.37	-3.11		
240	-0.83	-1.16	-0.92	-0.84	-0.65	-1.17	-1.92	-2.83	-3.04	-1.3	-1.41	1.06	-3.11		
270	-1.02	-1.19	-0.59	-0.09	-0.41	-2.25	-3.01	-5.9	-6.51	-6.48	-6.96	-1.23	-3.11		
300	-1.3	-1.21	-0.87	-0.45	-0.85	-4.06	-5.75	-12.99	-15.52	-9.63	-7.2	-1.48	-3.11		
330	-1.41	-1.25	-1.38	-1.5	-1.17	-2.72	-4.71	-5.43	-6.85	-6.11	-2.5	-0.63	-3.11		
360	-1.45	-1.13	-1.56	-2	-1.8	-1.66	-1.38	-2.46	-2.26	-2.19	-2.92	-1.33	-3.11		

Polarization	Theta	channel			5			Freq(MHz)			2440					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180			
0	-7.44	-2.84	-4.12	-5.47	-6.82	-5.94	-8.98	-16.29	-24.56	-17.18	-12.51	-8.5	-19.24			
30	-3.13	-6.53	-10.04	-11.54	-13.67	-12.16	-10.03	-9.23	-14.34	-20.6	-27.49	-19.24	-19.24			
60	-1.71	-15.16	-19.6	-20.58	-13.41	-13.38	-12.09	-6.7	-9.68	-9.37	-14.49	-9.63	-19.24			
90	-2.54	-9.51	-7.41	-9.48	-8.34	-9.99	-9.74	-7.5	-7.82	-7.05	-10.23	-4.5	-19.24			
120	-5.9	-3.83	-3.09	-4.49	-5.11	-7.25	-8.77	-7.55	-9.17	-6.66	-7.88	-2.83	-19.24			
150	-11.65	-1.55	-1.31	-2.14	-3.75	-6.28	-8.96	-8.27	-14.95	-7.8	-6.22	-3.45	-19.24			
180	-7.31	-1.66	-1.5	-2.4	-4.58	-7.69	-9.11	-15.14	-11.61	-8.18	-7.32	-6.58	-19.24			
210	-2.74	-4.4	-4.44	-6.68	-8.66	-7.92	-13.42	-12.88	-13.3	-7.76	-11.8	-14.08	-19.24			
240	-1.09	-9.22	-8.4	-7.81	-9.91	-7.16	-9.64	-12.88	-12.67	-13.14	-19.7	-8	-19.24			
270	-1.94	-6.07	-4.29	-2.28	-2.49	-5.24	-6.39	-14.09	-16.24	-20.27	-14.62	-2.54	-19.24			
300	-5.51	-2.57	-1.72	-0.67	-0.97	-4.15	-5.88	-13.39	-22.38	-11.84	-8.54	-1.98	-19.24			
330	-11.45	-1.74	-1.81	-2.08	-2.14	-4.06	-8.33	-12.07	-19.86	-12.28	-6.86	-4.39	-19.24			
360	-7.44	-2.84	-4.12	-5.47	-6.82	-5.94	-8.98	-16.29	-24.56	-17.18	-12.51	-8.5	-19.24			

120	-2.74	-4.46	-3.42	-3.86	-4.69	-4.2	-5.91	-6.1	-6.32	-7.93	-11.44	-18.58	-18.58
150	-1.09	-9.42	-8.27	-8.37	-9.98	-8.5	-9.33	-10.08	-9.31	-10.8	-11.94	-9.36	-18.58
180	-1.94	-8.03	-10.4	-10.55	-10.44	-9.62	-8.4	-10.1	-8.87	-6.66	-6.07	-2.02	-18.58
210	-5.51	-3.57	-4.14	-3.77	-3.91	-4.2	-4.63	-4.68	-4.66	-3.69	-1.88	1.22	-18.58
240	-11.45	-1.89	-1.7	-1.84	-2.11	-2.59	-2.91	-3.53	-3.91	-1.84	-1.53	0.46	-18.58
270	-7.44	-2.87	-3.02	-4.12	-4.84	-5.45	-5.81	-6.91	-7.49	-6.87	-7.79	-7.1	-18.58
300	-3.13	-6.71	-8.82	-12.71	-15.44	-20.69	-26.5	-25.57	-17.09	-13.36	-12.91	-10.65	-18.58
330	-1.71	-10.53	-12.98	-10	-7.87	-8.36	-7.05	-6.52	-7.05	-7.4	-4.64	-3.04	-18.58
360	-2.54	-5.98	-5.24	-4.4	-3.4	-3.72	-2.08	-2.67	-2.29	-2.28	-3.6	-2.34	-18.58

Polarization	Total	Channel				Freq (MHz)				2440			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.32	-1.13	-1.63	-1.89	-1.77	-1.68	-1.27	-2.49	-2.27	-2.14	-3.08	-1.39	-3.05
30	-1.28	-0.89	-1.24	-1.82	-1.75	-2.05	-0.6	-0.8	-1.96	-1.27	-2.96	-2.63	-3.05
60	-1.29	-0.8	-0.61	-1.52	-1.3	-1.84	-1.63	-0.93	-1.9	-1.96	-3.76	-3.05	-3.05
90	-1.29	-1.01	-0.29	-1.29	-1.39	-1.79	-2.8	-2.25	-2.76	-2.87	-5.48	-2.97	-3.05
120	-1.03	-1.12	-0.24	-1.16	-1.88	-2.45	-4.1	-3.76	-4.51	-4.24	-6.3	-2.71	-3.05
150	-0.72	-0.89	-0.52	-1.21	-2.82	-4.24	-6.13	-6.07	-8.26	-6.04	-5.19	-2.46	-3.05
180	-0.84	-0.76	-0.97	-1.78	-3.58	-5.54	-5.73	-8.92	-7.01	-4.34	-3.64	-0.72	-3.05
210	-0.9	-0.95	-1.28	-1.98	-2.73	-2.66	-4.09	-4.07	-4.11	-2.26	-1.46	1.35	-3.05
240	-0.71	-1.16	-0.86	-0.86	-0.79	-1.29	-2.07	-3.05	-3.37	-1.53	-1.47	1.04	-3.05
270	-0.87	-1.17	-0.6	-0.09	-0.5	-2.33	-3.08	-6.15	-6.95	-6.67	-6.98	-1.23	-3.05
300	-1.15	-1.15	-0.95	-0.41	-0.82	-4.06	-5.85	-13.13	-15.96	-9.52	-7.19	-1.43	-3.05
330	-1.28	-1.2	-1.49	-1.43	-1.11	-2.69	-4.63	-5.46	-6.83	-6.18	-2.6	-0.65	-3.05
360	-1.32	-1.13	-1.63	-1.89	-1.77	-1.68	-1.27	-2.49	-2.27	-2.14	-3.08	-1.39	-3.05

Polarization	Theta	Channel				Freq (MHz)				2450			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-7.18	-2.85	-4.26	-5.44	-7.06	-6.18	-8.99	-17.16	-25.12	-17.24	-12.72	-8.46	-19.78
30	-2.98	-6.53	-10.26	-11.48	-13.5	-12.63	-10.19	-9.25	-14.66	-19.72	-28.53	-19.78	-19.78
60	-1.6	-15.27	-19.9	-20.49	-12.97	-13.25	-11.78	-6.92	-9.58	-9.45	-14.76	-9.75	-19.78
90	-2.48	-9.53	-7.33	-9.47	-8.3	-9.78	-9.37	-7.68	-7.71	-7.16	-10.41	-4.48	-19.78
120	-5.87	-3.83	-3.08	-4.46	-5.14	-7.01	-8.51	-7.58	-9.03	-6.83	-8.08	-2.76	-19.78
150	-11.53	-1.57	-1.29	-2.05	-3.7	-6.1	-8.98	-8.22	-15.39	-7.96	-6.39	-3.37	-19.78
180	-7.1	-1.69	-1.43	-2.27	-4.45	-7.66	-9.13	-15.13	-12.05	-8.44	-7.53	-6.46	-19.78
210	-2.67	-4.35	-4.34	-6.59	-8.95	-8.03	-13.3	-13.31	-13.59	-7.94	-11.92	-13.97	-19.78
240	-1.05	-9.17	-8.32	-8.1	-6.81	-7.28	-9.82	-13.03	-12.72	-13.41	-19.11	-8.02	-19.78
270	-1.93	-6	-4.32	-2.41	-2.53	-5.29	-6.48	-14.32	-16.07	-19.97	-14.37	-2.54	-19.78
300	-5.44	-2.49	-1.86	-0.7	-1.01	-4.07	-6.02	-13.32	-22.42	-11.85	-8.5	-1.96	-19.78
330	-11.15	-1.71	-1.98	-2.08	-2.24	-4.09	-8.41	-12.37	-20.09	-12.36	-6.95	-4.34	-19.78
360	-7.18	-2.85	-4.26	-5.44	-7.06	-6.18	-8.99	-17.16	-25.12	-17.24	-12.72	-8.46	-19.78

Polarization	Phi	Channel				Freq (MHz)				2450			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-2.48	-5.84	-5.34	-4.26	-3.4	-3.68	-2.03	-2.7	-2.36	-2.19	-3.7	-2.35	-17.35
30	-5.87	-2.29	-1.89	-2.19	-2.12	-2.55	-0.98	-1.59	-2.31	-1.29	-3.1	-2.57	-17.35
60	-11.53	-0.98	-0.65	-1.47	-1.75	-2.29	-1.92	-2.45	-2.87	-2.79	-4.35	-3.85	-17.35
90	-7.1	-1.68	-1.18	-1.94	-2.53	-2.64	-3.72	-3.95	-4.54	-4.86	-7.44	-7.79	-17.35
120	-2.67	-4.39	-3.4	-3.86	-4.83	-4.32	-5.82	-6.17	-6.48	-7.79	-11.44	-17.35	-17.35
150	-1.05	-9.2	-8.31	-8.37	-10.09	-8.72	-9.41	-10.35	-9.54	-10.93	-11.87	-9.39	-17.35
180	-1.93	-7.91	-10.66	-10.85	-10.78	-9.89	-8.72	-10.65	-9.14	-6.96	-6.12	-1.96	-17.35
210	-5.44	-3.49	-4.35	-3.87	-3.94	-4.31	-4.83	-4.92	-4.84	-3.97	-1.89	1.21	-17.35
240	-11.15	-1.83	-1.83	-1.91	-2.19	-2.63	-3.04	-3.64	-4.12	-2.11	-1.49	0.42	-17.35
270	-7.18	-2.83	-3.14	-4.18	-4.97	-5.52	-5.91	-7.08	-7.74	-7.23	-7.67	-7.19	-17.35
300	-2.98	-6.74	-8.96	-12.93	-15.63	-20.93	-26.88	-27.15	-17.45	-13.25	-13.11	-10.71	-17.35
330	-1.6	-10.4	-12.95	-9.9	-7.84	-8.36	-7	-6.56	-7.08	-7.38	-4.76	-3.09	-17.35
360	-2.48	-5.84	-5.34	-4.26	-3.4	-3.68	-2.03	-2.7	-2.36	-2.19	-3.7	-2.35	-17.35

Polarization	Total	Channel				Freq (MHz)				2450			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.22	-1.08	-1.76	-1.8	-1.84	-1.74	-1.23	-2.55	-2.33	-2.06	-3.19	-1.4	-2.86
30	-1.18	-0.9	-1.3	-1.71	-1.82	-2.14	-0.49	-0.9	-2.06	-1.23	-3.08	-2.49	-2.86
60	-1.18	-0.82	-0.6	-1.41	-1.43	-1.96	-1.5	-1.12	-2.03	-1.94	-3.97	-2.86	-2.86
90	-1.19	-1.02	-0.23	-1.23	-1.51	-1.87	-2.68	-2.41	-2.83	-2.85	-5.66	-2.82	-2.86
120	-0.97	-1.09	-0.22	-1.14	-1.97	-2.45	-3.95	-3.81	-4.56	-4.27	-6.43	-2.61	-2.86
150	-0.68	-0.88	-0.5	-1.14	-2.8	-4.2	-6.18	-6.15	-8.54	-6.19	-5.31	-2.4	-2.86
180	-0.78	-0.76	-0.94	-1.71	-3.54	-5.62	-5.91	-9.32	-7.34	-4.63	-3.75	-0.64	-2.86
210	-0.83	-0.89	-1.33	-2.01	-2.75	-2.78	-4.25	-4.34	-4.29	-2.51	-1.48	1.34	-2.86
240	-0.65	-1.09	-0.95	-0.97	-0.91	-1.35	-2.21	-3.17	-3.56	-1.8	-1.42	1	-2.86
270	-0.8	-1.12	-0.68	-0.2	-0.57	-2.39	-3.17	-6.33	-7.14	-7.01	-6.83	-1.26	-2.86
300	-1.03	-1.11	-1.09	-0.44	-0.86	-3.98	-5.99	-13.14	-16.25	-9.49	-7.21	-1.42	-2.86
330	-1.14	-1.16	-1.64	-1.42	-1.18	-2.71	-4.64	-5.55	-6.87	-6.19	-2.71	-0.66	-2.86
360	-1.22	-1.08	-1.76	-1.8	-1.84	-1.74	-1.23	-2.55	-2.33	-2.06	-3.19	-1.4	-2.86

Polarization	Theta	Channel				Freq (MHz)				2460			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-6.89	-2.81	-4.4	-5.42	-7.26	-6.37	-9	-17.86	-25.82	-17.29	-12.85	-8.43	-20.24
30	-2.77	-6.55	-10.4	-11.35	-13.35	-13.04	-10.33	-9.22	-14.87	-18.8	-30.03	-20.24	-20.24
60	-1.43	-15.27	-20.46	-20.68	-12.62	-12.94	-11.41	-7.12	-9.47	-9.49	-15.03	-9.79	-20.24
90	-2.32	-9.51	-7.36	-9.46	-8.26	-9.58	-9.08	-7.8	-7.54	-7.27	-10.55	-4.45	-20.24
120	-5.76	-3.8	-3.09	-4.38	-5.19	-6.93	-8.26	-7.59	-8.88	-6.97	-8.23	-2.72	-20.24
150	-11.43	-1.53	-1.27	-1.91	-3.63	-5.89	-8.99	-8.19	-15.73	-8.17	-6.56	-3.32	-20.24
180	-6.97	-1.64	-1.39	-2.14	-4.32	-7.6	-9.1	-15.18	-12.41	-8.69	-7.71	-6.37	-20.24
210	-2.63	-4.26	-4.24	-6.44	-8.9	-8.19	-13.23	-13.75	-13.81	-8.12	-12.04	-13.72	-20.24
240	-1.05	-9.08	-8.28	-8.34	-6.88	-7.42	-9.98	-13.02	-12.75	-13.59	-18.48	-8.07	-20.24
270	-1.9	-5.91	-4.31	-2.55	-2.56	-5.33	-6.59	-14.37	-15.87	-19.83	-14.08	-2.55	-20.24
300	-5.37	-2.36	-1.97	-0.76	-1.02	-4.03	-6.15	-13.29	-22.06	-11.8	-8.44	-1.93	-20.24
330	-10.85	-1.61	-2.11	-2.11	-2.31	-4.06	-8.47	-12.52	-20.39	-12.41	-7.05	-4.29	-20.24
360	-6.89	-2.81	-4.4	-5.42	-7.26	-6.37	-9	-17.86	-25.82	-17.29	-12.85	-8.43	-20.24

Polarization	Phi	Channel				Freq (MHz)				2460			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-2.32	-5.63	-5.35	-4.15	-3.31	-3.58	-2.01	-2.66	-2.34	-2.05	-3.62	-2.29	-16.62
30	-5.76	-2.17	-1.91	-2.03	-2.07	-2.44	-0.87	-1.54	-2.27	-1.22	-3.03	-2.44	-16.62
60	-11.43	-0.87	-0.61	-1.34	-1.76	-2.24	-1.8	-2.41	-2.88	-2.73	-4.35	-3.61	-16.62
90	-6.97	-1.54	-1.1	-1.84	-2.52	-2.61	-3.6	-3.89	-4.54	-4.74	-7.42	-7.39	-16.62
120	-2.63	-4.2	-3.3	-3.75	-4.8	-4.37	-5.72	-6.15	-6.5	-7.6	-11.35	-16.62	-16.62
150	-1.05	-8.96	-8.22	-8.23	-10.12	-8.92	-9.53	-10.58	-9.73	-10.86	-11.61	-9.55	-16.62
180	-1.9	-7.77	-10.79	-10.9	-11.19	-10.27	-9.08	-11.14	-9.43	-7.03	-6.01	-2.05	-16.62
210	-5.37	-3.43	-4.38	-3.85	-4.08	-4.41	-4.96	-5.02	-5.04	-4	-1.87	1.14	-16.62
240	-10.85	-1.75	-1.77	-1.87	-2.28	-2.67	-3.04	-3.63	-4.29	-2.14	-1.43	0.34	-16.62
270	-6.89	-2.8	-3.07	-4.14	-5.14	-5.6	-5.81	-7.1	-7.98	-7.28	-7.59	-7.37	-16.62
300	-2.77	-6.77	-8.92	-12.9	-15.86	-21.14	-25.62	-27.1	-17.44	-13.26	-12.93	-10.5	-16.62
330	-1.43	-10.17	-12.87	-9.98	-7.66	-8.29	-6.97	-6.45	-6.95	-7.34	-4.71	-3.03	-16.62
360	-2.32	-5.63	-5.35	-4.15	-3.31	-3.58	-2.01	-2.66	-2.34	-2.05	-3.62	-2.29	-16.62

Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.02	-0.99	-1.84	-1.73	-1.84	-1.75	-1.22	-2.53	-2.32	-1.92	-3.13	-1.34	-2.67
30	-1	-0.82	-1.34	-1.55	-1.76	-2.08	-0.41	-0.85	-2.04	-1.14	-3.02	-2.37	-2.67
60	-1.01	-0.71	-0.57	-1.29	-1.42	-1.88	-1.35	-1.14	-2.02	-1.9	-4	-2.67	-2.67
90	-1.04	-0.9	-0.18	-1.15	-1.49	-1.81	-2.52	-2.41	-2.78	-2.81	-5.7	-2.67	-2.67
120	-0.91	-0.99	-0.18	-1.05	-1.98	-2.46	-3.8	-3.8	-4.52	-4.26	-6.51	-2.55	-2.67
150	-0.67	-0.81	-0.47	-1	-2.75	-4.13	-6.24	-6.22	-8.76	-6.3	-5.38	-2.39	-2.67
180	-0.72	-0.69	-0.92	-1.59	-3.51	-5.72	-6.08	-9.69	-7.66	-4.77	-3.77	-0.68	-2.67
210	-0.78	-0.81	-1.3	-1.95	-2.84	-2.89	-4.36	-4.47	-4.5	-2.57	-1.47	1.28	-2.67
240	-0.62	-1.01	-0.9	-0.99	-0.99	-1.42	-2.24	-3.16	-3.71	-1.84	-1.34	0.93	-2.67
270	-0.7	-1.07	-0.63	-0.26	-0.65	-2.45	-3.17	-6.35	-7.33	-7.05	-6.71	-1.32	-2.67
300	-0.86	-1.02	-1.17	-0.51	-0.88	-3.95	-6.1	-13.11	-16.15	-9.46	-7.12	-1.37	-2.67
330	-0.96	-1.05	-1.76	-1.45	-1.2	-2.67	-4.65	-5.49	-6.75	-6.16	-2.71	-0.6	-2.67
360	-1.02	-0.99	-1.84	-1.73	-1.84	-1.75	-1.22	-2.53	-2.32	-1.92	-3.13	-1.34	-2.67

Polarization	Theta	Channel				Freq (MHz)							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-6.7	-2.82	-4.51	-5.52	-7.54	-6.6	-8.94	-18.54	-26.38	-17.47	-13.05	-8.4	-21.03
30	-2.62	-6.65	-10.48	-11.49	-13.23	-13.49	-10.37	-9.13	-15.02	-17.97	-29.94	-21.03	-21.03
60	-1.31	-15.49	-21.5	-20.61	-12.23	-12.57	-10.93	-7.21	-9.27	-9.5	-14.92	-9.85	-21.03
90	-2.22	-9.36	-7.55	-9.36	-8.11	-9.33	-8.73	-7.81	-7.41	-7.39	-10.51	-4.46	-21.03
120	-5.69	-3.69	-3.19	-4.24	-5.22	-6.85	-8.03	-7.57	-8.73	-7.15	-8.32	-2.71	-21.03
150	-11.29	-1.48	-1.33	-1.79	-3.59	-5.74	-9.03	-8.24	-16.03	-8.44	-6.74	-3.31	-21.03
180	-6.78	-1.61	-1.38	-2.09	-4.27	-7.55	-9.07	-15.19	-12.83	-8.96	-7.94	-6.29	-21.03
210	-2.53	-4.23	-4.22	-6.43	-8.96	-8.4	-13.18	-14.12	-14.05	-8.29	-12.33	-13.41	-21.03
240	-0.99	-9.03	-8.36	-8.62	-7.03	-7.54	-10.08	-13.02	-12.76	-13.6	-18.27	-8.18	-21.03
270	-1.84	-5.75	-4.33	-2.73	-2.59	-5.35	-6.64	-14.29	-15.68	-19.4	-13.73	-2.6	-21.03
300	-5.32	-2.25	-2.07	-0.89	-1.09	-4.05	-6.31	-13.27	-21.56	-11.81	-8.37	-1.92	-21.03
330	-10.67	-1.56	-2.23	-2.2	-2.47	-4.12	-8.59	-12.76	-20.95	-12.47	-7.18	-4.24	-21.03
360	-6.7	-2.82	-4.51	-5.52	-7.54	-6.6	-8.94	-18.54	-26.38	-17.47	-13.05	-8.4	-21.03

Polarization	Phi	Channel				Freq (MHz)							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-2.22	-5.46	-5.5	-4.13	-3.34	-3.62	-1.99	-2.71	-2.36	-2.1	-3.64	-2.3	-15.83
30	-5.69	-2.14	-2.06	-2	-2.13	-2.46	-0.78	-1.59	-2.29	-1.3	-3.1	-2.44	-15.83
60	-11.29	-0.87	-0.69	-1.32	-1.89	-2.3	-1.64	-2.49	-2.97	-2.83	-4.49	-3.61	-15.83
90	-6.77	-1.51	-1.12	-1.83	-2.64	-2.66	-3.46	-3.95	-4.66	-4.83	-7.59	-7.34	-15.83
120	-2.53	-4.09	-3.3	-3.69	-4.89	-4.47	-5.56	-6.27	-6.58	-7.68	-11.56	-15.83	-15.83
150	-0.99	-8.63	-8.13	-7.98	-10.08	-8.94	-9.54	-10.77	-9.88	-11.09	-11.94	-9.61	-15.83
180	-1.84	-7.57	-10.94	-11	-11.41	-10.47	-9.44	-11.46	-9.65	-7.34	-6.15	-2.13	-15.83
210	-5.32	-3.29	-4.51	-3.97	-4.2	-4.51	-5.24	-5.23	-5.15	-4.34	-1.97	1.02	-15.83
240	-10.67	-1.65	-1.82	-1.9	-2.44	-2.85	-3.17	-3.83	-4.44	-2.45	-1.53	0.21	-15.83
270	-6.7	-2.75	-3.05	-4.13	-5.31	-5.8	-5.86	-7.43	-8.18	-7.66	-7.62	-7.64	-15.83
300	-2.62	-6.78	-8.93	-12.86	-15.83	-21.14	-25.58	-28.62	-17.72	-13.15	-13.06	-10.05	-15.83
330	-1.3	-10	-12.89	-10.05	-7.67	-8.38	-6.99	-6.51	-6.94	-7.42	-4.78	-2.96	-15.83
360	-2.22	-5.46	-5.5	-4.13	-3.34	-3.62	-1.99	-2.71	-2.36	-2.1	-3.64	-2.3	-15.83

Polarization	Total	Channel				Freq (MHz)							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-0.9	-0.93	-1.97	-1.76	-1.94	-1.85	-1.19	-2.6	-2.34	-1.98	-3.17	-1.34	-2.68
30	-0.88	-0.82	-1.47	-1.53	-1.81	-2.13	-0.33	-0.89	-2.06	-1.2	-3.09	-2.38	-2.68
60	-0.89	-0.72	-0.65	-1.27	-1.51	-1.91	-1.15	-1.23	-2.06	-1.99	-4.11	-2.68	-2.68
90	-0.82	-0.85	-0.23	-1.12	-1.56	-1.81	-2.33	-2.45	-2.81	-2.91	-5.8	-2.66	-2.68
120	-0.92	-0.87	-0.23	-0.95	-2.04	-2.49	-3.62	-3.86	-4.51	-4.39	-6.64	-2.51	-2.68
150	-0.6	-0.72	-0.5	-0.86	-2.71	-4.04	-6.27	-6.31	-8.94	-6.56	-5.59	-2.39	-2.68
180	-0.63	-0.63	-0.92	-1.56	-3.51	-5.76	-6.24	-9.92	-7.94	-5.07	-3.94	-0.72	-2.68
210	-0.69	-0.72	-1.35	-2.02	-2.95	-3.02	-4.59	-4.7	-4.62	-2.87	-1.59	1.18	-2.68
240	-0.55	-0.92	-0.95	-1.06	-1.14	-1.58	-2.36	-3.34	-3.84	-2.13	-1.44	0.8	-2.68
270	-0.61	-0.99	-0.63	-0.36	-0.73	-2.56	-3.22	-6.61	-7.46	-7.38	-6.67	-1.41	-2.68
300	-0.75	-0.94	-1.26	-0.62	-0.95	-3.96	-6.26	-13.14	-16.22	-9.42	-7.1	-1.3	-2.68
330	-0.83	-0.98	-1.87	-1.54	-1.32	-2.74	-4.71	-5.59	-6.77	-6.24	-2.8	-0.54	-2.68
360	-0.9	-0.93	-1.97	-1.76	-1.94	-1.85	-1.19	-2.6	-2.34	-1.98	-3.17	-1.34	-2.68

Polarization	Theta	Channel				Freq (MHz)							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-6.49	-2.83	-4.69	-5.61	-7.72	-6.81	-8.87	-18.91	-26.4	-17.95	-13.35	-8.49	-22.46
30	-2.46	-6.7	-10.57	-11.6	-12.91	-13.64	-10.38	-8.99	-14.99	-17.24	-29.27	-22.46	-22.46
60	-1.18	-15.63	-22.26	-20.17	-11.86	-12.27	-10.55	-7.26	-8.98	-9.42	-14.88	-9.95	-22.46
90	-2.11	-9.31	-7.7	-9.24	-8.14	-9.22	-8.51	-7.8	-7.19	-7.41	-10.57	-4.5	-22.46
120	-5.62	-3.6	-3.29	-4.11	-5.25	-6.78	-7.91	-7.54	-8.62	-7.28	-8.52	-2.74	-22.46
150	-11.24	-1.4	-1.39	-1.7	-3.55	-5.59	-9.04	-8.21	-16.35	-8.72	-7.03	-3.27	-22.46
180	-6.55	-1.53	-1.38	-2.02	-4.25	-7.5	-9.01	-15.14	-13.15	-9.26	-8.27	-6.18	-22.46
210	-2.42	-4.16	-4.14	-6.39	-9.01	-8.62	-12.98	-14.67	-14.25	-8.49	-12.72	-13.01	-22.46
240	-0.96	-9.08	-8.32	-9.21	-7.25	-7.77	-10.14	-12.95	-12.8	-13.81	-17.98	-8.19	-22.46
270	-1.84	-5.77	-4.37	-3.04	-2.66	-5.51	-6.71	-14.29	-15.69	-19.18	-13.53	-2.62	-22.46
300	-5.29	-2.19	-2.12	-1.06	-1.16	-4.14	-6.52	-13.13	-20.61	-11.86	-8.43	-1.92	-22.46
330	-10.53	-1.52	-2.36	-2.29	-2.59	-4.19	-8.69	-12.96	-21.07	-12.71	-7.39	-4.29	-22.46
360	-6.49	-2.83	-4.69	-5.61	-7.72	-6.81	-8.87	-18.91	-26.4	-17.95	-13.35	-8.49	-22.46

Polarization	Phi	Channel				Freq (MHz)							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-2.12	-5.3	-5.55	-4.03	-3.34	-3.59	-2.09	-2.76	-2.41	-2.05	-3.65	-2.35	-15.01
30	-5.62	-2.07	-2.19	-1.87	-2.15	-2.48	-0.82	-1.63	-2.3	-1.22	-3.1	-2.37	-15.01
60	-11.25	-0.87	-0.8	-1.26	-2	-2.39	-1.67	-2.56	-3.03	-2.77	-4.55	-3.52	-15.01
90	-6.55	-1.47	-1.21	-1.79	-2.82	-2.83	-3.5	-4.05	-4.75	-4.74	-7.68	-7.16	-15.01
120	-2.42	-4	-3.37	-3.66	-5.07	-4.68	-5.58	-6.35	-6.76	-7.61	-11.7	-15.01	-15.01
150	-0.96	-8.36	-8.23	-7.93	-10.12	-9.11	-9.75	-10.92	-10.13	-11.33	-12.29	-9.79	-15.01
180	-1.84	-7.31	-10.84	-11.01	-11.63	-10.76	-9.79	-11.82	-9.95	-7.7	-6.37	-2.28	-15.01
210	-5.29	-3.17	-4.52	-4.04	-4.28	-4.67	-5.4	-5.39	-5.31	-4.68	-2.1	0.86	-15.01
240	-10.54	-1.56	-1.8	-2.01	-2.53	-2.99	-3.21	-3.86	-4.58	-2.68	-1.57	0.06	-15.01
270	-6.49	-2.73	-3.02	-4.28	-5.45	-6.1	-5.85	-7.51	-8.31	-7.94	-7.56	-7.72	-15.01
300	-2.46	-6.85	-8.87	-12.98	-16.03	-21.94	-25.75	-28.07	-17.49	-13.21	-13.2	-10.37	-15.01
330	-1.18	-9.9	-12.65	-9.99	-7.64	-8.29	-7.09	-6.49	-6.93	-7.48	-4.83	-3.1	-15.01
360	-2.12	-5.3	-5.55	-4.03	-3.34	-3.59	-2.09	-2.76	-2.41	-2.05	-3.65	-2.35	-15.01

Polarization	Total	Channel				Freq (MHz)							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-0.76	-0.88	-2.09	-1.74	-1.99	-1.9	-1.26	-2.65	-2.39	-1.94	-3.21	-1.4	-2.63
30	-0.74	-0.79	-1.6	-1.43	-1.8	-2.16	-0.36	-0.9	-2.07	-1.11	-3.09	-2.33	-2.63
60	-0.77	-0.73	-0.77	-1.21	-1.57	-1.96	-1.14	-1.29	-2.05	-1.92	-4.17	-2.63	-2.63
90	-0.78	-0.81	-0.33	-1.07	-1.7	-1.93	-2.31	-2.52	-2.79	-2.86	-5.88	-2.62	-2.63
120	-0.72	-0.78	-0.32	-0.87	-2.15	-2.59	-3.58	-3.89	-4.58	-4.44	-6.82	-2.49	-2.63
150	-0.57	-0.6	-0.57	-0.77	-2.68	-3.99	-6.37	-6.35	-9.2	-6.82	-5.9	-2.39	-2.63
180	-0.57	-0.51	-0.91	-1.51	-3.52	-5.82	-6.37	-10.16	-8.25	-5.4	-4.21	-0.79	-2.63
210	-0.62	-0.63	-1.32	-2.05	-3.02	-3.2	-4.17	-4.91	-4.79	-3.17	-7.14	1.03	-2.63
240	-0.51	-0.86	-0.93	-1.25	-1.27	-1.75	-2.41	-3.35	-3.97	-2.35	-1.47	0.66	-2.63
270	-0.56	-0.98	-0.63	-0.61	-0.83	-2.78	-3.25	-6.68	-7.58	-7.62	-6.58	-1.45	-2.63

300	-0.64	-0.91	-1.29	-0.78	-1.02	-4.07	-6.47	-12.99	-15.77	-9.47	-7.18	-1.34	-2.63
330	-0.71	-0.93	-1.97	-1.61	-1.41	-2.77	-4.8	-5.61	-6.76	-6.34	-2.91	-0.64	-2.63
360	-0.76	-0.88	-2.09	-1.74	-1.99	-1.9	-1.26	-2.65	-2.39	-1.94	-3.21	-1.4	-2.63

Polarization	Theta	Channel				Freq (MHz)				2490			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-6.32	-2.87	-4.85	-5.75	-7.94	-7.02	-8.97	-19	-26.79	-18.41	-13.62	-8.78	-24.21
30	-2.3	-6.83	-10.71	-11.74	-12.72	-13.77	-10.5	-8.95	-15.05	-16.61	-29.59	-24.21	-24.21
60	-1.04	-15.77	-23.82	-20.05	-11.65	-12.05	-10.35	-7.3	-8.84	-9.41	-14.98	-9.93	-24.21
90	-1.99	-9.36	-7.98	-9.25	-8.21	-9.17	-8.38	-7.82	-7.13	-7.57	-10.73	-4.59	-24.21
120	-5.54	-3.61	-3.45	-4.14	-5.33	-6.71	-7.79	-7.62	-8.56	-7.57	-8.82	-2.85	-24.21
150	-11.28	-1.38	-1.5	-1.71	-3.56	-5.5	-9.05	-8.28	-16.42	-9.09	-7.36	-3.4	-24.21
180	-6.49	-1.51	-1.41	-2.02	-4.24	-7.5	-9.03	-15.07	-13.69	-9.78	-8.55	-6.29	-24.21
210	-2.43	-4.12	-4.08	-6.29	-8.99	-8.9	-12.91	-15.1	-14.54	-8.79	-13.12	-12.76	-24.21
240	-1	-9.07	-8.19	-9.64	-7.46	-8	-10.23	-12.99	-12.79	-14.12	-17.84	-8.18	-24.21
270	-1.9	-5.83	-4.35	-3.43	-2.78	-5.65	-6.84	-14.4	-15.63	-19.06	-13.35	-2.69	-24.21
300	-5.37	-2.18	-2.17	-1.35	-1.25	-4.22	-6.78	-13.08	-20.26	-11.8	-8.47	-2.04	-24.21
330	-10.54	-1.51	-2.48	-2.49	-2.77	-4.27	-8.96	-13.17	-21.37	-12.86	-7.49	-4.43	-24.21
360	-6.32	-2.87	-4.85	-5.75	-7.94	-7.02	-8.97	-19	-26.79	-18.41	-13.62	-8.78	-24.21

Polarization	Phi	Channel				Freq (MHz)				2490			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.99	-5.18	-5.61	-4.05	-3.32	-3.56	-2.19	-2.7	-2.39	-2.09	-3.59	-2.36	-14.48
30	-5.54	-2.03	-2.34	-1.83	-2.18	-2.42	-0.84	-1.57	-2.21	-1.28	-2.99	-2.4	-14.48
60	-11.28	-0.85	-0.92	-1.25	-2.06	-2.37	-1.59	-2.49	-2.96	-2.83	-4.41	-3.56	-14.48
90	-6.49	-1.47	-1.3	-1.81	-2.92	-2.86	-3.43	-4	-4.71	-4.79	-7.53	-7.17	-14.48
120	-2.43	-3.94	-3.48	-3.66	-5.17	-4.78	-5.55	-6.41	-6.79	-7.65	-11.58	-14.48	-14.48
150	-1	-8.27	-8.3	-7.84	-10.12	-9.24	-9.95	-11.06	-10.25	-11.53	-12.48	-9.81	-14.48
180	-1.89	-7.12	-11.07	-11.05	-11.74	-11.09	-10.35	-12.1	-10.21	-7.95	-6.63	-2.47	-14.48
210	-5.37	-3.05	-4.58	-4.09	-4.39	-4.84	-5.67	-5.52	-5.47	-4.87	-2.28	0.59	-14.48
240	-10.53	-1.51	-1.83	-2.07	-2.67	-3.16	-3.34	-3.92	-4.71	-2.82	-1.7	-0.18	-14.48
270	-6.32	-2.69	-3.01	-4.36	-5.71	-6.34	-5.9	-7.63	-8.46	-8.06	-7.72	-8.08	-14.48
300	-2.3	-6.88	-8.95	-13.09	-16.14	-22.89	-25.41	-25.86	-17.39	-13.27	-13.29	-10.21	-14.48
330	-1.04	-9.89	-12.64	-10.16	-7.6	-8.24	-7.12	-6.34	-6.8	-7.61	-4.86	-3.16	-14.48
360	-1.99	-5.18	-5.61	-4.05	-3.32	-3.56	-2.19	-2.7	-2.39	-2.09	-3.59	-2.36	-14.48

Polarization	Total	Channel				Freq (MHz)				2490			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-0.63	-0.86	-2.2	-1.81	-2.03	-1.94	-1.36	-2.6	-2.37	-1.99	-3.18	-1.47	-2.68
30	-0.62	-0.79	-1.75	-1.4	-1.81	-2.11	-0.4	-0.84	-1.99	-1.15	-2.98	-2.37	-2.68
60	-0.64	-0.71	-0.9	-1.19	-1.6	-1.93	-1.05	-1.25	-1.96	-1.97	-4.05	-2.66	-2.68
90	-0.67	-0.81	-0.45	-1.09	-1.8	-1.95	-2.22	-2.49	-2.74	-2.95	-5.83	-2.68	-2.68
120	-0.7	-0.76	-0.46	-0.88	-2.24	-2.63	-3.52	-3.96	-4.58	-4.6	-6.97	-2.56	-2.68
150	-0.61	-0.57	-0.68	-0.76	-2.69	-3.97	-6.47	-6.44	-9.31	-7.13	-6.19	-2.51	-2.68
180	-0.6	-0.46	-0.96	-1.51	-3.53	-5.93	-6.63	-10.33	-8.6	-5.76	-4.47	-0.96	-2.68
210	-0.64	-0.54	-1.31	-2.04	-3.1	-3.4	-4.92	-5.07	-4.97	-3.39	-1.94	0.79	-2.68
240	-0.54	-0.81	-0.93	-1.37	-1.43	-1.93	-2.53	-3.41	-4.09	-2.51	-1.59	0.46	-2.68
270	-0.56	-0.97	-0.62	-0.86	-0.99	-2.97	-3.33	-6.8	-7.7	-7.73	-6.67	-1.59	-2.68
300	-0.56	-0.91	-1.34	-1.06	-1.11	-4.16	-6.72	-12.86	-15.58	-9.46	-7.23	-1.43	-2.68
330	-0.57	-0.92	-2.08	-1.81	-1.54	-2.81	-4.94	-5.52	-6.65	-6.48	-2.97	-0.74	-2.68
360	-0.63	-0.86	-2.2	-1.81	-2.03	-1.94	-1.36	-2.6	-2.37	-1.99	-3.18	-1.47	-2.68

Polarization	Theta	Channel				Freq (MHz)				2500			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-6.25	-2.88	-5.03	-5.93	-8.12	-7.26	-9.07	-19.11	-26.71	-18.64	-13.76	-9.09	-25.9
30	-2.24	-6.87	-10.84	-11.95	-12.47	-13.77	-10.73	-8.87	-15.02	-16.24	-29.61	-25.9	-25.9
60	-0.99	-15.72	-24.95	-20.02	-11.46	-11.85	-10.12	-7.39	-8.62	-9.43	-14.97	-9.85	-25.9
90	-1.93	-9.41	-8.29	-9.24	-8.37	-9.16	-8.25	-7.83	-6.99	-7.79	-10.77	-4.69	-25.9
120	-5.53	-3.58	-3.64	-4.11	-5.48	-6.8	-7.79	-7.76	-8.49	-7.93	-9.05	-3.03	-25.9
150	-11.32	-1.37	-1.62	-1.72	-3.64	-5.46	-9.12	-8.45	-16.4	-9.58	-7.65	-3.6	-25.9
180	-6.49	-1.45	-1.5	-2.07	-4.33	-7.52	-9.12	-15.11	-14.27	-10.31	-8.79	-6.5	-25.9
210	-2.46	-4.07	-4.06	-6.2	-9.04	-9.13	-12.84	-15.6	-14.95	-9.14	-13.57	-12.79	-25.9
240	-1.06	-9.08	-8.15	-10.01	-7.76	-8.24	-10.35	-13.04	-12.96	-14.27	-17.9	-8.21	-25.9
270	-1.98	-5.9	-4.36	-3.84	-2.94	-5.85	-6.93	-14.38	-15.75	-19	-13.15	-2.79	-25.9
300	-5.44	-2.21	-2.21	-1.67	-1.41	-4.35	-7.07	-13.16	-19.62	-11.79	-8.43	-2.15	-25.9
330	-10.61	-1.48	-2.58	-2.74	-2.99	-4.37	-9.23	-13.4	-21.63	-13.08	-7.57	-4.61	-25.9
360	-6.25	-2.88	-5.03	-5.93	-8.12	-7.26	-9.07	-19.11	-26.71	-18.64	-13.76	-9.09	-25.9

Polarization	Phi	Channel				Freq (MHz)				2500			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.93	-5.13	-5.77	-4.14	-3.43	-3.67	-2.35	-2.76	-2.51	-2.16	-3.55	-2.34	-13.91
30	-5.52	-2.01	-2.56	-1.85	-2.25	-2.5	-0.95	-1.65	-2.28	-1.32	-2.9	-2.38	-13.91
60	-11.31	-0.89	-1.14	-1.26	-2.19	-2.48	-1.64	-2.56	-3.09	-2.87	-4.34	-3.56	-13.91
90	-6.49	-1.45	-1.49	-1.83	-3.11	-3.03	-3.41	-4.08	-4.91	-4.85	-7.48	-7.1	-13.91
120	-2.46	-3.91	-3.63	-3.67	-5.3	-4.97	-5.52	-6.57	-7.04	-7.76	-11.59	-13.91	-13.91
150	-1.06	-8.07	-8.37	-7.8	-9.97	-9.27	-10.1	-11.14	-10.38	-11.75	-12.86	-9.94	-13.91
180	-1.97	-6.97	-11.18	-11.2	-11.84	-11.21	-10.76	-12.11	-10.33	-8.32	-6.93	-2.71	-13.91
210	-5.44	-2.91	-4.69	-4.34	-4.49	-4.95	-5.87	-5.52	-5.51	-5.26	-2.45	0.35	-13.91
240	-10.61	-1.41	-1.86	-2.28	-2.81	-3.29	-3.46	-3.92	-4.74	-3.14	-1.81	-0.43	-13.91
270	-6.25	-2.69	-3.04	-4.63	-5.86	-6.49	-6.02	-7.64	-8.39	-8.45	-7.78	-8.39	-13.91
300	-2.24	-6.98	-8.92	-13.39	-16.52	-23.22	-25.8	-25	-17.15	-13.12	-13.44	-10.15	-13.91
330	-0.99	-9.97	-12.7	-10.33	-7.67	-8.36	-7.31	-6.39	-6.84	-7.7	-4.95	-3.14	-13.91
360	-1.93	-5.13	-5.77	-4.14	-3.43	-3.67	-2.35	-2.76	-2.51	-2.16	-3.55	-2.34	-13.91

Polarization	Total	Channel				Freq (MHz)				2500			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-0.57	-0.85	-2.38	-1.93	-2.16	-2.09	-1.51	-2.66	-2.49	-2.06	-3.15	-1.51	-2.72
30	-0.57	-0.78	-1.96	-1.45	-1.86	-2.18	-0.51	-0.89	-2.05	-1.18	-2.9	-2.36	-2.72
60	-0.6	-0.75	-1.12	-1.2	-1.7	-2	-1.07	-1.33	-2.02	-2.01	-3.98	-2.64	-2.72
90	-0.63	-0.81	-0.66	-1.11	-1.98	-2.08	-2.18	-2.55	-2.82	-3.07	-5.81	-2.72	-2.72
120	-0.72	-0.73	-0.62	-0.87	-2.38	-2.78	-3.5	-4.12	-4.69	-4.83	-7.12	-2.69	-2.72
150	-0.67	-0.52	-0.79	-0.76	-2.73	-3.95	-6.57	-6.58	-9.41	-7.52	-6.51	-2.69	-2.72
180	-0.66	-0.38	-1.06	-1.57	-3.62	-5.97	-6.85	-10.35	-8.86	-6.19	-4.75	-1.19	-2.72
210	-0.69	-0.44	-1.35	-2.16	-3.19	-3.54	-5.08	-5.11	-5.05	-3.77	-2.13	0.56	-2.72
240	-0.6	-0.73	-0.95	-1.61	-1.6	-2.08	-2.65	-3.42	-4.13	-2.82	-1.71	0.24	-2.72
270	-0.6	-0.99	-0.64	-1.21	-1.15	-3.14	-3.44	-6.8	-7.66	-8.08	-6.68	-1.73	-2.72
300	-0.54	-0.96	-1.37	-1.38	-1.28	-4.29	-7.01	-12.88	-15.2	-9.4	-7.24	-1.51	-2.72
330	-0.54	-0.9	-2.18	-2.04	-1.71	-2.91	-5.16	-5.6	-6.7	-6.59	-3.06	-0.8	-2.72
360	-0.57	-0.85	-2.38	-1.93	-2.16	-2.09	-1.51	-2.66	-2.49	-2.06	-3.15	-1.51	-2.72