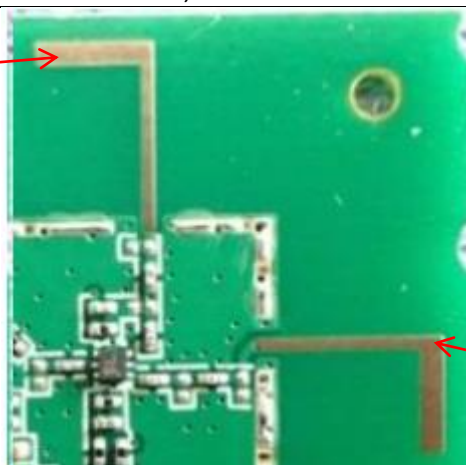


Antenna Specification

LG, WL1BKT22

Antenna #1



Antenna #2

No.	Antenna Part Number	Manufacturer	Antenna Type	Frequency (MHz)	Max Gain(dBi)
1.	Antenna #1	N/A	PCB Printing Antenna	5150	2.66
				5170	2.87
				5190	2.94
				5210	3.25
				5230	3.23
				5250	3.11
				5450	2.98
				5470	2.98
				5490	2.77
				5500	2.59
				5750	2.38
				5770	2.38
				5790	2.48
				5810	2.33
5830	2.37				
5850	2.22				
No.	Antenna Part Number	Manufacturer	Antenna Type	Frequency (MHz)	Max Gain(dBi)
2.	Antenna #2	N/A	PCB Printing Antenna	5150	3.57
				5170	3.35
				5190	3.42
				5210	3.69
				5230	4.00
				5250	3.94
				5450	3.32
				5470	3.48
				5490	3.37
				5500	3.42
				5750	3.98
				5770	4.05
				5790	3.79
				5810	3.94
5830	4.20				
5850	4.09				

Antenna testing company information is as follows
 Antenna Factory Name: 深圳市合拓科技有限公司
 Antenna Factory Address: 深圳市寶安區西鄉伍豐工業城 C6 棟 1202B

Test Equipment: Agilent 8753E
 Probe model: FTP0485

PCB Printing Antenna
Antenna #1
[TX-On-board antenna-A]

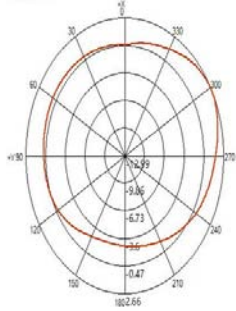
Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
5150	2.66	-0.823793522	82.72192797
5170	2.87	-0.932789603	80.67166856
5190	2.94	-0.951810818	80.31911569
5210	3.25	-0.786720598	83.43109436
5230	3.23	-0.739096069	84.35103059
5250	3.11	-0.812512025	82.93709081
5450	2.98	-0.85048597	82.21506471
5470	2.98	-0.711016432	84.89817543
5490	2.77	-0.797299593	83.22811157
5500	2.59	-0.8795779	81.66617406
5750	2.38	-0.479373769	89.54938819
5770	2.38	-0.589143294	87.31435911
5790	2.48	-0.693055746	85.25000741
5810	2.33	-0.625399666	86.58846354
5830	2.37	-0.538609256	88.33627349
5850	2.22	-0.599547988	87.10542441

PCB Printing Antenna

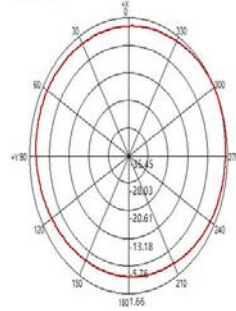
Antenna #1

[TX-On-board antenna-A]

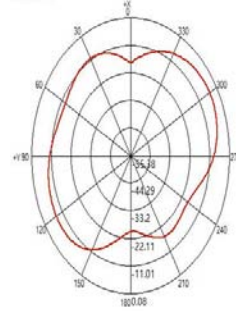
Channel(MHz) 5190 23dPower Max(dB) 1.93979 Aw(dB) 0.04198 Min(dB) -2.7492



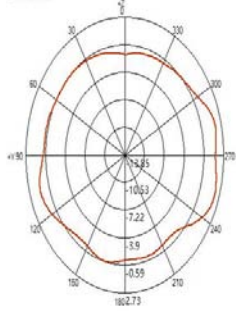
Channel(MHz) 5190 23dPower Max(dB) 1.147 Aw(dB) -0.0191 Min(dB) -2.910



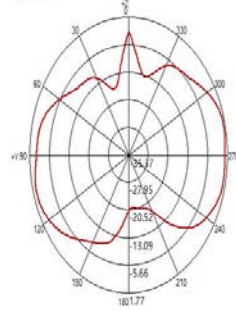
Channel(MHz) 5190 23dPower Max(dB) -1.0174 Aw(dB) -1.7299 Min(dB) -2.4197



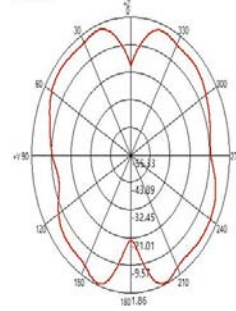
Channel(MHz) 5190 23dPower Max(dB) 1.93129 Aw(dB) -0.03398 Min(dB) -1.7495



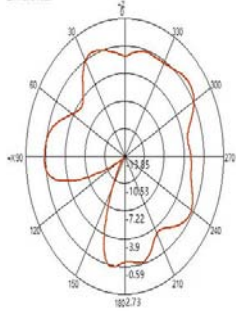
Channel(MHz) 5190 23dPower Max(dB) 1.2179 Aw(dB) -2.1993 Min(dB) -2.0314



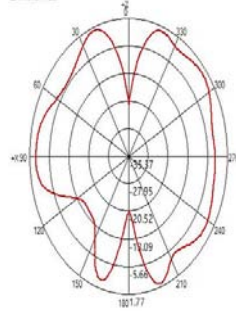
Channel(MHz) 5190 23dPower Max(dB) -0.1431 Aw(dB) -1.4083 Min(dB) -1.9193



Channel(MHz) 5190 23dPower Max(dB) -0.02197 Aw(dB) -2.0016 Min(dB) -12.234



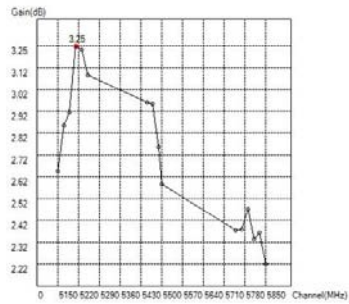
Channel(MHz) 5190 23dPower Max(dB) -0.0323 Aw(dB) -2.9141 Min(dB) -2.1297



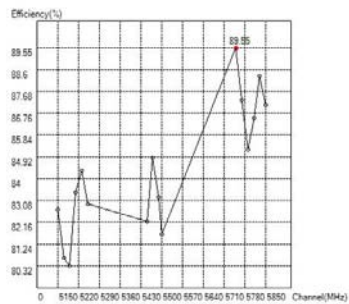
Channel(MHz) 5190 23dPower Max(dB) -1.1479 Aw(dB) -1.1343 Min(dB) -1.0392



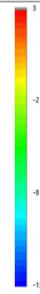
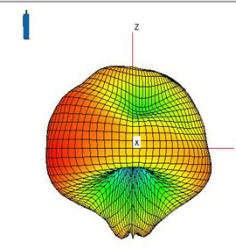
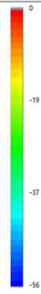
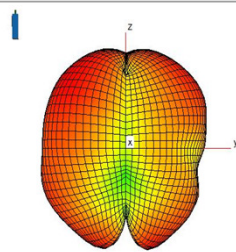
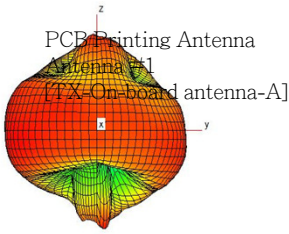
Gain(dB)



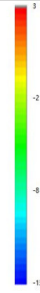
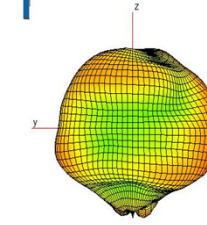
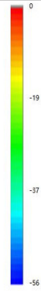
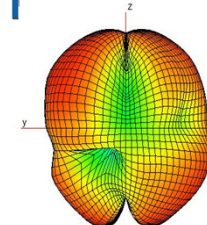
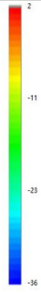
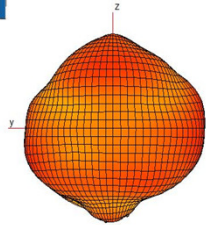
Efficiency(%)



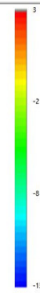
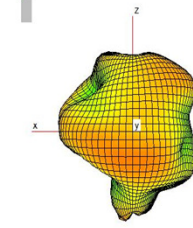
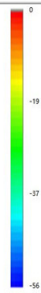
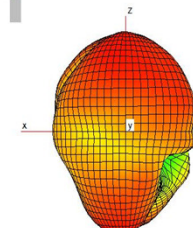
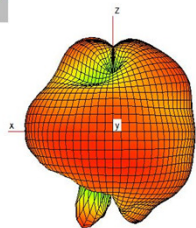
Channel(MHz) 5150 X-



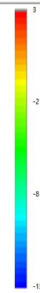
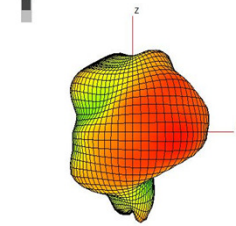
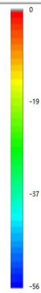
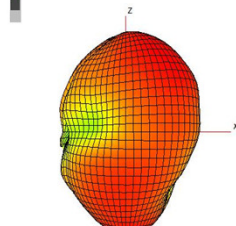
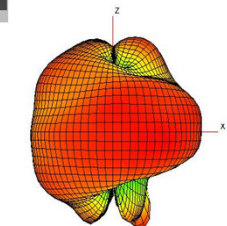
Channel(MHz) 5150 X-



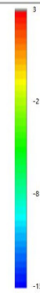
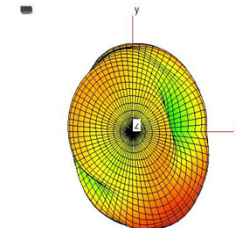
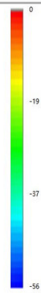
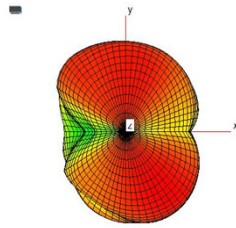
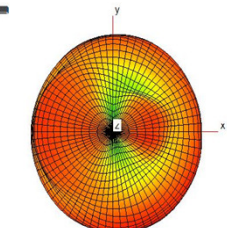
Channel(MHz) 5150 Y+



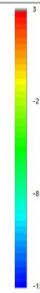
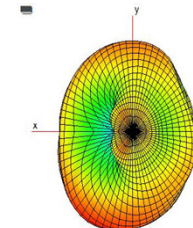
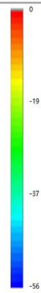
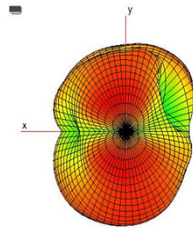
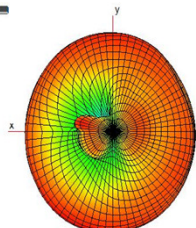
Channel(MHz) 5150 Y-



Channel(MHz) 5150 Z+



Channel(MHz) 5150 Z-



PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

Polarization	Theta	Channel			Freq			5150					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-21.36	-0.76	-0.79	-4.49	-3.96	-1.08	-0.42	-2.72	-12.86	-14.4	-10.06	-1.22	-20.36
30	-9.58	-2.02	-1.75	-5.96	-4.43	-1.54	-0.39	-1.82	-7.07	-27.68	-13.92	-2.85	-20.36
60	-3.92	-6.31	-6.57	-11.4	-5.1	-3.09	0.04	0.17	-2.32	-10.32	-35.37	-12.54	-20.36
90	-1.85	-16.3	-11.28	-8.95	-5.16	-1.29	-0.59	0.76	-0.59	-4.17	-8.22	-11.81	-20.36
120	-2.41	-5.82	-3.96	-3.1	-3.28	-3.53	-1.87	-0.47	-0.49	-2.16	-4.61	-3.87	-20.36
150	-6.19	-1.82	-1.26	-0.72	-0.89	-4.27	-2.95	-3.5	-1.4	-1.89	-3.08	-1.47	-20.36
180	-18.1	-0.78	-0.82	-0.03	-0.45	-2.91	-2.76	-2.42	-1.03	-2.17	-3.45	-0.96	-20.36
210	-9.92	-1.78	-1.95	-0.86	-1.45	-3.71	-1.87	-1.87	-0.27	-1.76	-4.44	-2.63	-20.36
240	-4.09	-4.78	-3.9	-2.43	-3.13	-2.19	-0.04	-0.46	-1.16	-3.3	-7.89	-7.29	-20.36
270	-2.32	-13.19	-7.47	-4.79	-1.28	1.21	0.96	0.79	-1.66	-7.58	-17.92	-20.36	-20.36
300	-3.09	-11.96	-9.04	-7.65	-0.71	0.26	1.65	0.97	-4.07	-15.59	-13.14	-5.67	-20.36
330	-6.64	-3.25	-3.36	-6.78	-2.88	0.61	0.47	-0.87	-8.42	-15.47	-9.37	-2.64	-20.36
360	-21.36	-0.76	-0.79	-4.49	-3.96	-1.08	-0.42	-2.72	-12.86	-14.4	-10.06	-1.22	-20.36

Polarization	Phi	Channel			Freq			5150					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.85	-15.59	-12.48	-13.26	-14.34	-17.4	-17.8	-21.81	-26.23	-18.33	-21.25	-19.89	-19.89
30	-2.41	-8.12	-7.67	-8.49	-7.98	-9	-9.94	-10.35	-12.47	-10.58	-5.1	-4.16	-19.89
60	-6.19	-2.45	-1.91	-2.21	-3.8	-6.8	-12.9	-10.57	-7.37	-5.05	-2.77	-0.07	-19.89
90	-18.1	-1.28	-1.07	-1.16	-2.3	-6.88	-9.82	-12.26	-6.98	-3.79	-2.18	-0.95	-19.89
120	-9.92	-2.64	-2.28	-2.4	-2.45	-4	-6.96	-9.91	-11.05	-8.61	-5.91	-3.16	-19.89
150	-4.09	-6.86	-6.79	-6.89	-7.32	-7.76	-11.66	-14.32	-55.32	-22.18	-16.92	-11.06	-19.89
180	-2.32	-24.31	-22.65	-30.58	-28.75	-30.18	-24.82	-17.48	-17.74	-15.24	-14.99	-17.03	-19.89
210	-3.09	-9.23	-10.53	-10.48	-11.77	-12.63	-17.85	-15.22	-10.2	-8.21	-6.32	-5.68	-19.89
240	-6.64	-3.86	-5.68	-6.67	-9.02	-16.41	-18.39	-8.14	-4.47	-3.22	-3.09	-2.15	-19.89
270	-21.36	-1.54	-2.08	-2.57	-4.99	-7.65	-8.75	-4.34	-2.1	-2.22	-1.45	-1.16	-19.89
300	-9.58	-1.11	0	-0.04	-1.01	-3.05	-4.19	-4.64	-4.62	-5.44	-3.18	-0.7	-19.89
330	-3.92	-4.02	-2.09	-2.3	-2.67	-6.1	-7.71	-10.76	-12.74	-14.02	-7.01	-5.08	-19.89
360	-1.85	-15.59	-12.48	-13.26	-14.34	-17.4	-17.8	-21.81	-26.23	-18.33	-21.25	-19.89	-19.89

Polarization	Total	Channel			Freq			5150					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.8	-0.62	-0.51	-3.95	-3.58	-0.98	-0.34	-2.67	-12.67	-12.93	-9.75	-1.16	-1.16
30	-1.65	-1.07	-0.76	-4.04	-2.84	-0.82	0.07	-1.25	-5.97	-10.5	-4.57	-0.45	-1.16
60	-1.9	-0.95	-0.64	-1.72	-1.39	-1.55	0.25	0.52	-1.14	-3.92	-2.77	0.17	-1.16
90	-1.75	-1.14	-0.68	-0.49	-0.49	-0.23	-0.1	0.97	0.3	-0.97	-1.22	-0.61	-1.16
120	-1.7	-0.93	-0.03	0.27	0.16	-0.75	-0.7	0	-0.13	-1.27	-2.2	-0.49	-1.16
150	-2	-0.64	-0.19	0.22	0	-2.66	-2.4	-3.16	-1.4	-1.85	-2.91	-1.02	-1.16
180	-2.21	-0.76	-0.79	-0.03	-0.44	-2.9	-2.73	-2.29	-0.94	-1.96	-3.16	-0.86	-1.16
210	-2.27	-1.06	-1.39	-0.41	-1.06	-3.19	-1.76	-1.68	0.15	-0.87	-2.27	-0.88	-1.16
240	-2.17	-1.28	-1.69	-1.04	-2.13	-2.03	0.02	0.22	0.5	-0.25	-1.85	-0.99	-1.16
270	-2.26	-1.25	-0.98	-0.53	0.26	1.74	1.4	1.95	1.13	-1.11	-1.35	-1.11	-1.16
300	-2.21	-0.76	0.51	0.65	2.15	1.92	2.66	2.02	-1.33	-5.04	-2.76	0.5	-1.16
330	-2.06	-0.61	0.33	-0.98	0.24	1.45	1.08	-0.45	-7.06	-11.68	-5.02	-0.68	-1.16
360	-1.8	-0.62	-0.51	-3.95	-3.58	-0.98	-0.34	-2.67	-12.67	-12.93	-9.75	-1.16	-1.16

Polarization	Theta	Channel			Freq			5170					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-20.76	-0.65	-1.21	-4.31	-3.71	-1.28	-0.46	-2.98	-12.13	-15.45	-10.72	-1.39	-22.57
30	-9.19	-1.5	-2.17	-5.37	-4.3	-1.58	-0.54	-1.67	-6.55	-25.81	-15.47	-2.78	-22.57
60	-3.55	-6.12	-7.13	-10.48	-5.25	-3.3	0.27	0.38	-2.09	-9.32	-26.42	-13.22	-22.57
90	-1.86	-15.17	-11.23	-8.77	-5.63	-1.37	0.02	0.67	-0.52	-3.78	-7.98	-11.49	-22.57
120	-2.3	-5.5	-4.5	-3.2	-3.85	-3.99	-1.3	-0.67	-0.94	-2.22	-4.75	-4.02	-22.57
150	-6.25	-1.65	-1.53	-0.87	-1.6	-4.42	-2.91	-3.56	-1.69	-1.62	-3.32	-1.89	-22.57
180	-18.9	-1.06	-0.99	-0.22	-1.13	-3.44	-3.17	-2.52	-1.65	-2.04	-3.61	-1.27	-22.57
210	-8.81	-2.14	-2.44	-1	-2.46	-4.13	-1.87	-1.9	-0.39	-1.82	-4.65	-3	-22.57
240	-3.42	-5.22	-4.51	-2.94	-4.01	-2.38	0.03	-0.46	-1.17	-3.17	-7.68	-7.31	-22.57
270	-1.98	-14.35	-7.69	-4.87	-1.85	0.96	1.27	0.73	-1.76	-7.4	-16.83	-22.57	-22.57
300	-2.56	-11.18	-10.02	-7.91	-1.11	0.25	1.9	0.92	-4.54	-14.89	-14.16	-5.99	-22.57
330	-6.67	-2.68	-4.04	-7.11	-2.88	0.46	0.55	-0.98	-8.37	-16.33	-9.94	-3.15	-22.57
360	-20.76	-0.65	-1.21	-4.31	-3.71	-1.28	-0.46	-2.98	-12.13	-15.45	-10.72	-1.39	-22.57

Polarization	Phi	Channel			Freq			5170					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.84	-16.33	-12.55	-13.33	-14.12	-17.01	-17.65	-21.96	-25.31	-17.99	-21.45	-20.21	-20.21

PCB Printing Antenna
 Antenna #1
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30	-2.28	-7.77	-7.94	-8.78	-8.21	-10.11	-11.07	-10.94	-13.24	-10.39	-5.54	-4.22	-20.21
60	-6.23	-2.21	-1.84	-1.95	-3.46	-6.03	-13.6	-12.18	-7.71	-5.74	-3.07	-0.19	-20.21
90	-18.88	-1.12	-1.06	-0.78	-2.16	-5.32	-9.01	-14.62	-8.43	-4.7	-2.77	-1.3	-20.21
120	-8.79	-2.76	-2.66	-2.09	-2.56	-3.97	-7.46	-11.08	-12.65	-10.3	-6.83	-3.89	-20.21
150	-3.4	-7.43	-7.52	-7.07	-7.51	-8.4	-12.94	-15.27	-32.58	-20.14	-18.22	-11.92	-20.21
180	-1.96	-26.42	-27.63	-30.01	-30.1	-40.48	-26.23	-18.36	-18.48	-15.39	-15.08	-16.66	-20.21
210	-2.54	-9.25	-9.77	-10.26	-11.18	-12.37	-17.65	-16.37	-10.58	-8.62	-6.74	-5.57	-20.21
240	-6.65	-4.1	-5.69	-6.43	-8.45	-16.29	-18.55	-8.35	-4.46	-3.43	-3.42	-2.13	-20.21
270	-20.74	-1.66	-2.44	-3.08	-5.27	-7.53	-8.76	-4.31	-2.18	-2.59	-1.63	-1.09	-20.21
300	-9.17	-1.15	-0.56	-0.49	-1	-3.06	-4.11	-4.77	-4.29	-5.7	-3.22	-0.91	-20.21
330	-3.53	-4.14	-2.31	-2.49	-2.89	-5.44	-7.69	-10.77	-12.34	-14.59	-7.22	-5.32	-20.21
360	-1.84	-16.33	-12.55	-13.33	-14.12	-17.01	-17.65	-21.96	-25.31	-17.99	-21.45	-20.21	-20.21

Polarization	Total	Channel			2		Freq		5170					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-1.79	-0.53	-0.9	-3.8	-3.33	-1.16	-0.37	-2.93	-11.93	-13.52	-10.37	-1.34	-1.48	
30	-1.48	-0.58	-1.15	-3.74	-2.82	-1.01	-0.17	-1.19	-5.71	-10.26	-5.12	-0.43	-1.48	
60	-1.67	-0.73	-0.71	-1.38	-1.26	-1.44	0.45	0.61	-1.04	-4.16	-3.05	0.02	-1.48	
90	-1.77	-0.95	-0.66	-0.14	-0.55	0.1	0.54	0.8	0.13	-1.2	-1.63	-0.9	-1.48	
120	-1.42	-0.91	-0.47	0.4	-0.15	-0.97	-0.36	-0.29	-0.66	-1.59	-2.66	-0.95	-1.48	
150	-1.58	-0.63	-0.55	0.06	-0.61	-2.96	-2.5	-3.28	-1.69	-1.56	-3.18	-1.48	-1.48	
180	-1.87	-1.05	-0.98	-0.22	-1.13	-3.44	-3.14	-2.41	-1.56	-1.84	-3.31	-1.15	-1.48	
210	-1.62	-1.37	-1.7	-0.51	-1.92	-3.52	-1.75	-1.75	0.01	-0.99	-2.56	-1.09	-1.48	
240	-1.73	-1.61	-2.05	-1.33	-2.68	-2.21	0.09	0.19	0.5	-0.28	-2.04	-0.98	-1.48	
270	-1.92	-1.43	-1.3	-0.87	-0.22	1.54	1.68	1.91	1.04	-1.35	-1.5	-1.06	-1.48	
300	-1.7	-0.74	-0.09	0.23	1.95	1.91	2.87	1.96	-1.41	-5.2	-2.88	0.26	-1.48	
330	-1.81	-0.34	-0.08	-1.2	0.12	1.45	1.16	-0.55	-6.91	-12.36	-5.36	-1.09	-1.48	
360	-1.79	-0.53	-0.9	-3.8	-3.33	-1.16	-0.37	-2.93	-11.93	-13.52	-10.37	-1.34	-1.48	

Polarization	Theta	Channel			3		Freq		5190					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-20.84	-0.51	-1.56	-4.62	-3.86	-1.17	-0.29	-2.45	-11.56	-15.66	-11.58	-1.63	-25.07	
30	-8.64	-1.25	-2.02	-5.22	-4.36	-1.39	-0.17	-1.42	-5.95	-21.33	-17.39	-3.36	-25.07	
60	-2.99	-5.95	-7.3	-9.77	-5.32	-3.38	0.65	0.7	-1.56	-8.18	-22.61	-14.31	-25.07	
90	-1.69	-14.38	-11.33	-8.17	-6.2	-1.55	0.33	0.91	-0.53	-3.82	-7.68	-10.92	-25.07	
120	-2.63	-5.67	-4.8	-2.94	-4.57	-4.23	-1.42	-0.67	-1.08	-2.3	-4.9	-3.75	-25.07	
150	-6.78	-2.2	-1.53	-0.8	-2.17	-4.88	-3.94	-3.66	-1.51	-1.95	-3.32	-2.06	-25.07	
180	-20.89	-1.4	-0.94	-0.46	-1.71	-3.64	-4.02	-2.57	-1.31	-1.81	-3.55	-1.52	-25.07	
210	-8.14	-2.86	-2.23	-1.37	-2.67	-4.32	-2.86	-1.37	-0.09	-1.54	-4.43	-3.03	-25.07	
240	-3.04	-6.47	-4.59	-3.34	-4.36	-2.44	-0.16	-0.37	-0.91	-2.68	-7.76	-7.56	-25.07	
270	-1.7	-15.45	-7.8	-5.16	-2.67	0.92	1.2	0.96	-1.63	-7.35	-15.93	-25.07	-25.07	
300	-2.65	-11.25	-11.53	-8.46	-1.36	0.11	1.95	1.14	-4.51	-14.68	-15.46	-6.33	-25.07	
330	-6.54	-2.99	-4.42	-7.2	-3.08	0.46	0.92	-0.95	-7.76	-16.51	-10.74	-3.25	-25.07	
360	-20.84	-0.51	-1.56	-4.62	-3.86	-1.17	-0.29	-2.45	-11.56	-15.66	-11.58	-1.63	-25.07	

Polarization	Phi	Channel			3		Freq		5190					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-1.69	-16.98	-12.66	-13.78	-13.77	-17.02	-17.77	-23.27	-26.1	-18.21	-21.58	-21.11	-21.11	
30	-2.63	-8.17	-7.75	-7.61	-8.36	-10.64	-12.07	-11.81	-14.22	-10.45	-5.56	-4.28	-21.11	
60	-6.78	-2.09	-1.63	-1.38	-3.23	-5.47	-12.56	-13.87	-9.59	-6.89	-3.28	-0.34	-21.11	
90	-20.89	-1	-1.13	-0.47	-1.71	-4.85	-8.54	-17.5	-9.7	-5.49	-3.26	-1.47	-21.11	
120	-8.14	-2.71	-2.79	-2.22	-2.03	-4.08	-8.37	-12.28	-15.42	-11.02	-7.12	-4.17	-21.11	
150	-3.04	-7.32	-6.93	-7.31	-7.5	-8.79	-14.71	-16.57	-24.82	-17.23	-17.79	-12.51	-21.11	
180	-1.7	-28.75	-30.87	-26.91	-27.11	-38.94	-26.77	-19.77	-18.12	-15.55	-15.63	-16.56	-21.11	
210	-2.65	-9.2	-9.78	-10.24	-10.96	-12.23	-17.72	-18.1	-10.75	-8.2	-7.66	-5.6	-21.11	
240	-6.54	-4.17	-5.67	-6.57	-8.48	-15.58	-19.22	-8.76	-4.53	-3.37	-3.42	-2.42	-21.11	
270	-20.84	-2.04	-2.84	-3.05	-5.76	-8.73	-9.07	-4.11	-1.72	-2.13	-1.79	-1.22	-21.11	
300	-8.64	-1.83	-0.78	-0.55	-1.25	-3.32	-3.99	-4.47	-3.86	-5.38	-3.5	-0.96	-21.11	
330	-2.99	-4.59	-2.71	-2.59	-2.88	-5.79	-7.47	-10.43	-11.7	-14.77	-7.47	-5.73	-21.11	
360	-1.69	-16.98	-12.66	-13.78	-13.77	-17.02	-17.77	-23.27	-26.1	-18.21	-21.58	-21.11	-21.11	

Polarization	Total	Channel			3		Freq		5190					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-1.64	-0.41	-1.24	-4.12	-3.44	-1.06	-0.21	-2.42	-11.41	-13.74	-11.16	-1.58	-1.69	
30	-1.66	-0.45	-0.99	-3.24	-2.91	-0.9	0.1	-1.04	-5.34	-10.11	-5.28	-0.79	-1.69	
60	-1.47	-0.59	-0.59	-0.79	-1.14	-1.29	0.86	0.84	-0.92	-4.48	-3.22	-0.17	-1.69	
90	-1.64	-0.8	-0.73	0.21	-0.39	0.12	0.86	0.97	-0.03	-1.56	-1.92	-1	-1.69	

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

120	-1.55	-0.93	-0.67	0.44	-0.11	-1.14	-0.62	-0.38	-0.92	-1.75	-2.85	-0.95	-1.69
150	-1.51	-1.03	-0.43	0.08	-1.06	-3.4	-3.59	-3.45	-1.49	-1.82	-3.16	-1.69	-1.69
180	-1.65	-1.39	-0.94	-0.45	-1.7	-3.64	-3.99	-2.49	-1.22	-1.63	-3.28	-1.39	-1.69
210	-1.57	-1.95	-1.53	-0.84	-2.07	-3.67	-2.72	-1.28	0.27	-0.69	-2.74	-1.12	-1.69
240	-1.44	-2.16	-2.09	-1.65	-2.94	-2.23	-0.1	0.21	0.66	0	-2.05	-1.26	-1.69
270	-1.65	-1.84	-1.64	-0.97	-0.94	1.37	1.59	2.13	1.34	-0.99	-1.62	-1.2	-1.69
300	-1.67	-1.36	-0.43	0.1	1.7	1.74	2.94	2.19	-1.16	-4.9	-3.23	0.15	-1.69
330	-1.4	-0.7	-0.47	-1.3	0.03	1.39	1.51	-0.49	-6.28	-12.54	-5.79	-1.31	-1.69
360	-1.64	-0.41	-1.24	-4.12	-3.44	-1.06	-0.21	-2.42	-11.41	-13.74	-11.16	-1.58	-1.69

Polarization	Theta	Channel			Freq			5210					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-21.43	-0.55	-1.29	-4.62	-3.62	-0.95	0.2	-2.34	-10.96	-15.35	-12.14	-1.99	-25.63
30	-8	-1.24	-1.87	-5.69	-4.6	-1.14	0.25	-1.1	-5.48	-17.98	-18.86	-3.64	-25.63
60	-2.75	-6.13	-6.77	-9.54	-5.76	-3.3	1.09	1	-1.62	-7.63	-20.28	-15.75	-25.63
90	-1.5	-13.7	-10.99	-7.59	-6.61	-1.34	0.52	1.16	-0.25	-3.59	-7.69	-10.25	-25.63
120	-2.69	-5.32	-4.23	-2.74	-5.01	-4.29	-1.9	-0.73	-0.96	-2.24	-4.71	-3.87	-25.63
150	-6.98	-1.79	-1.28	-0.62	-2.48	-4.88	-4.91	-3.56	-1.39	-1.67	-3.1	-1.99	-25.63
180	-24.61	-1.05	-0.47	-0.34	-1.53	-3.41	-4.77	-2.51	-0.82	-1.45	-3.05	-1.35	-25.63
210	-7.89	-2.51	-1.5	-1.45	-2.39	-4.15	-3.31	-1.41	0.41	-1.2	-3.73	-2.85	-25.63
240	-2.8	-6.19	-4.46	-3.76	-4.14	-2.52	-0.59	-0.1	-0.46	-2.44	-7.53	-7.09	-25.63
270	-1.08	-15.57	-8.36	-5.77	-2.55	1.28	1.34	1.03	-1.25	-7.26	-15.68	-25.63	-25.63
300	-2.23	-11.38	-12.69	-9.31	-1.51	0.54	2.35	1.43	-3.82	-14.37	-15.69	-6.35	-25.63
330	-6.49	-3.13	-4.41	-8.3	-3.07	1.06	1.01	-0.61	-7.75	-16.61	-11.14	-3.31	-25.63
360	-21.43	-0.55	-1.29	-4.62	-3.62	-0.95	0.2	-2.34	-10.96	-15.35	-12.14	-1.99	-25.63

Polarization	Phi	Channel			Freq			5210					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.52	-17.64	-12.78	-14.12	-13.18	-17.38	-18.95	-24.11	-25.81	-18.49	-22.4	-21.49	-21.49
30	-2.71	-7.58	-7.07	-7.01	-8.27	-10.34	-12.01	-12.07	-15.39	-10.97	-5.25	-3.93	-21.49
60	-7	-2.07	-1.26	-0.87	-2.77	-4.3	-10.63	-14.33	-11.1	-7.25	-3.59	-0.3	-21.49
90	-24.63	-1.04	-0.86	-0.02	-1.03	-3.92	-7.86	-21.54	-11.61	-6.23	-3.73	-1.67	-21.49
120	-7.91	-2.56	-2.54	-1.95	-2.03	-3.59	-8.3	-13.75	-18.75	-11.2	-7.26	-4.36	-21.49
150	-2.82	-7.03	-6.9	-6.93	-7.37	-9.06	-15.48	-18.11	-20.08	-14.89	-16.29	-12.66	-21.49
180	-1.1	-30.48	-29.38	-24.86	-25.07	-30.42	-26.96	-20.73	-18.92	-15.52	-16.32	-16.55	-21.49
210	-2.25	-8.78	-9.35	-10.11	-10.68	-12.03	-17.8	-20	-11.13	-8.14	-7.63	-5.83	-21.49
240	-6.51	-4.16	-5.29	-6.11	-8.19	-14.92	-19.11	-8.99	-4.18	-3.27	-3.56	-2.1	-21.49
270	-21.45	-2.09	-2.71	-2.91	-5.79	-9.13	-8.97	-4.05	-1.55	-2.35	-1.58	-1.16	-21.49
300	-8.02	-1.56	-0.77	-0.37	-1.34	-3.17	-4.05	-4.28	-3.58	-4.92	-3.41	-0.79	-21.49
330	-2.77	-4.6	-2.71	-2.4	-2.64	-5.89	-7.17	-10.24	-11.23	-14.5	-7.59	-5.19	-21.49
360	-1.52	-17.64	-12.78	-14.12	-13.18	-17.38	-18.95	-24.11	-25.81	-18.49	-22.4	-21.49	-21.49

Polarization	Total	Channel			Freq			5210					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.47	-0.47	-0.99	-4.16	-3.16	-0.85	0.26	-2.31	-10.82	-13.63	-11.75	-1.94	-1.94
30	-1.58	-0.33	-0.73	-3.29	-3.05	-0.64	0.51	-0.76	-5.06	-10.18	-5.07	-0.77	-1.94
60	-1.36	-0.63	-0.18	-0.32	-1	-0.76	1.38	1.13	-1.16	-4.43	-3.5	-0.18	-1.94
90	-1.48	-0.81	-0.46	0.68	0.03	0.57	1.11	1.19	0.06	-1.7	-2.27	-1.11	-1.94
120	-1.55	-0.71	-0.29	0.68	-0.26	-0.91	-1	-0.52	-0.89	-1.72	-2.79	-1.1	-1.94
150	-1.41	-0.65	-0.23	0.29	-1.26	-3.47	-4.54	-3.41	-1.33	-1.47	-2.9	-1.63	-1.94
180	-1.08	-1.05	-0.47	-0.33	-1.51	-3.4	-4.74	-2.44	-0.75	-1.29	-2.85	-1.22	-1.94
210	-1.2	-1.59	-0.84	-0.9	-1.79	-3.49	-3.15	-1.35	0.7	-0.4	-2.25	-1.08	-1.94
240	-1.26	-2.05	-1.85	-1.77	-2.7	-2.27	-0.52	0.43	1.08	0.17	-2.1	-0.91	-1.94
270	-1.04	-1.9	-1.66	-1.1	-0.86	1.66	1.73	2.21	1.61	-1.13	-1.42	-1.15	-1.94
300	-1.21	-1.13	-0.5	0.15	1.59	2.08	3.25	2.47	-0.69	-4.45	-3.16	0.27	-1.94
330	-1.23	-0.79	-0.47	-1.41	0.16	1.86	1.63	-0.16	-6.14	-12.42	-6	-1.14	-1.94
360	-1.47	-0.47	-0.99	-4.16	-3.16	-0.85	0.26	-2.31	-10.82	-13.63	-11.75	-1.94	-1.94

Polarization	Theta	Channel			Freq			5230					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-22.81	-0.87	-0.76	-5.42	-4.03	-0.79	0.3	-1.96	-10.45	-15.09	-12.34	-2.32	-24.54
30	-7.48	-1.77	-1.43	-5.65	-4.68	-1.12	0.33	-0.88	-5.22	-16.33	-19.41	-4.41	-24.54
60	-2.56	-7.08	-7.14	-9.65	-6.17	-3.32	1.12	1.14	-1.29	-6.9	-19.18	-18.17	-24.54
90	-1.37	-13.66	-10.2	-7.32	-7.53	-1.11	0.11	0.93	-0.11	-3.76	-7.56	-9.63	-24.54
120	-2.63	-5.29	-3.76	-2.62	-5.18	-5.02	-2.81	-0.93	-0.79	-2.29	-4.5	-3.64	-24.54
150	-7.09	-1.92	-0.58	-0.63	-2.17	-5.05	-5.87	-3.95	-1.16	-1.66	-3.07	-1.95	-24.54
180	-26.45	-0.97	0.2	-0.43	-1.31	-3.32	-5.34	-2.74	-0.75	-1.55	-2.77	-1.48	-24.54

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

210	-7.84	-2.21	-0.93	-1.47	-1.89	-4.43	-3.73	-1.57	0.64	-1.05	-3.47	-2.87	-24.54
240	-2.71	-5.64	-3.94	-3.94	-3.96	-2.5	-0.69	-0.28	-0.12	-2.55	-7.06	-7.31	-24.54
270	-1.14	-15.89	-8.8	-6.54	-2.28	1.33	1.04	1.23	-0.89	-6.36	-15.09	-24.54	-24.54
300	-2.21	-11.62	-13.25	-10.52	-1.64	0.66	2.35	1.51	-3.24	-14.1	-15.86	-6.79	-24.54
330	-6.68	-3.5	-3.9	-9.17	-3.11	0.9	1.11	-0.3	-6.92	-16.78	-11.23	-3.51	-24.54
360	-22.81	-0.87	-0.76	-5.42	-4.03	-0.79	0.3	-1.96	-10.45	-15.09	-12.34	-2.32	-24.54

Polarization	Phi	Channel				Freq				5230			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.37	-18.11	-13.31	-14.14	-12.73	-17.76	-20.01	-26.69	-26.6	-19.34	-24.37	-22.23	-22.23
30	-2.63	-7.21	-6.06	-6.63	-8	-9.89	-11.48	-12.3	-16.54	-11.68	-5.42	-4.2	-22.23
60	-7.09	-1.9	-0.86	-0.49	-2.36	-3.44	-9.1	-13.7	-12.88	-8.39	-4.04	-0.46	-22.23
90	-26.45	-0.71	-0.24	0.01	-0.71	-3.34	-7.43	-23.76	-14	-6.94	-4.19	-1.88	-22.23
120	-7.84	-2.22	-2.23	-1.99	-1.87	-4.08	-8.82	-15.32	-19.78	-10.74	-7.69	-4.63	-22.23
150	-2.71	-6.69	-6.38	-7.08	-7.39	-9.46	-15.49	-20.44	-16.96	-13.15	-14.8	-12.69	-22.23
180	-1.14	-34.54	-26.76	-23.44	-23.33	-25.79	-27.07	-22.84	-19.69	-16.06	-17.13	-17	-22.23
210	-2.21	-8.04	-8.83	-10.03	-10.66	-11.9	-18.1	-22.29	-11.13	-8.56	-7.7	-5.84	-22.23
240	-6.68	-3.54	-4.72	-5.93	-8.12	-14.3	-19.07	-8.97	-3.78	-3	-3.37	-2.42	-22.23
270	-22.81	-1.99	-2.33	-2.64	-5.91	-9.82	-9.04	-3.8	-1.34	-1.97	-1.48	-1.24	-22.23
300	-7.48	-1.87	-0.69	-0.44	-1.47	-3.26	-4.14	-4.07	-3.31	-4.64	-3.32	-0.76	-22.23
330	-2.56	-4.49	-3.06	-2.47	-2.39	-5.71	-7.74	-10.16	-10.95	-13.95	-7.72	-5.53	-22.23
360	-1.37	-18.11	-13.31	-14.14	-12.73	-17.76	-20.01	-26.69	-26.6	-19.34	-24.37	-22.23	-22.23

Polarization	Total	Channel				Freq				5230			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.34	-0.79	-0.52	-4.88	-3.48	-0.71	0.34	-1.95	-10.34	-13.71	-12.07	-2.28	-2.28
30	-1.4	-0.68	-0.14	-3.1	-3.02	-0.58	0.61	-0.58	-4.91	-10.4	-5.25	-1.29	-2.28
60	-1.25	-0.75	0.06	0.01	-0.85	-0.37	1.52	1.28	-1	-4.57	-3.91	-0.38	-2.28
90	-1.35	-0.49	0.18	0.75	0.11	0.93	0.82	0.94	0.07	-2.06	-2.54	-1.2	-2.28
120	-1.48	-0.48	0.08	0.72	-0.21	-1.51	-1.84	-0.78	-0.73	-1.71	-2.8	-1.1	-2.28
150	-1.36	-0.67	0.44	0.25	-1.03	-3.71	-5.42	-3.85	-1.04	-1.36	-2.79	-1.6	-2.28
180	-1.13	-0.96	0.21	-0.41	-1.28	-3.3	-5.31	-2.7	-0.69	-1.4	-2.61	-1.36	-2.28
210	-1.16	-1.2	-0.27	-0.91	-1.35	-3.72	-3.57	-1.53	0.92	-0.34	-2.08	-1.09	-2.28
240	-1.24	-1.45	-1.3	-1.81	-2.55	-2.22	-0.62	0.27	1.44	0.24	-1.82	-1.2	-2.28
270	-1.11	-1.82	-1.45	-1.15	-0.71	1.65	1.45	2.41	1.9	-0.63	-1.29	-1.22	-2.28
300	-1.08	-1.43	-0.46	-0.03	1.46	2.14	3.23	2.57	-0.26	-4.18	-3.08	0.21	-2.28
330	-1.14	-0.95	-0.45	-1.63	0.28	1.76	1.64	0.13	-5.47	-12.13	-6.12	-1.39	-2.28
360	-1.34	-0.79	-0.52	-4.88	-3.48	-0.71	0.34	-1.95	-10.34	-13.71	-12.07	-2.28	-2.28

Polarization	Theta	Channel				Freq				5250			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-25.11	-0.82	-0.48	-5.44	-3.86	-0.69	0.1	-2.1	-10.15	-14.8	-12.94	-2.71	-23.13
30	-7.13	-2.29	-1.32	-6.35	-4.25	-1.09	0.08	-0.71	-5.23	-15.21	-19.97	-4.78	-23.13
60	-2.31	-7.87	-6.87	-10.03	-6.07	-3.15	0.86	1.27	-1.46	-6.91	-17.99	-20.76	-23.13
90	-1.13	-14.32	-10.12	-7.71	-6.88	-1.43	-0.82	0.83	-0.57	-4.03	-7.51	-9.47	-23.13
120	-2.53	-5.23	-3.64	-3.08	-4.88	-5.6	-3.45	-1.44	-0.74	-2.97	-5.6	-3.67	-23.13
150	-7.08	-1.55	-0.6	-0.91	-1.86	-5.46	-5.95	-4.23	-1.04	-1.83	-3.07	-2.06	-23.13
180	-25.87	-0.48	0.36	-0.63	-1.39	-3.93	-4.91	-2.86	-0.81	-1.31	-2.54	-1.33	-23.13
210	-7.66	-1.91	-1.07	-1.29	-2.02	-4.43	-3.44	-2.02	0.66	-0.87	-3.22	-2.79	-23.13
240	-2.44	-6.16	-3.87	-3.89	-3.76	-2.98	-0.56	-0.5	-0.27	-2.24	-6.43	-6.94	-23.13
270	-1.32	-17.19	-9.55	-6.89	-2.18	1.16	0.91	1.24	-0.93	-6.84	-14.8	-23.13	-23.13
300	-2.52	-11.03	-12.83	-11.89	-1.38	0.55	2.25	1.57	-3.38	-13.87	-16.53	-6.98	-23.13
330	-6.62	-3.48	-3.4	-9.53	-3.22	0.9	1.01	-0.23	-7.05	-16.81	-11.63	-3.95	-23.13
360	-25.11	-0.82	-0.48	-5.44	-3.86	-0.69	0.1	-2.1	-10.15	-14.8	-12.94	-2.71	-23.13

Polarization	Phi	Channel				Freq				5250			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.14	-17.41	-13.88	-13.86	-12.82	-18.76	-20.7	-27.96	-27.15	-20.24	-26.6	-22.47	-22.47
30	-2.54	-7.16	-5.28	-6.53	-7.91	-9.28	-10.86	-12.14	-17.5	-12.99	-6.02	-4.59	-22.47
60	-7.09	-1.68	-0.44	-0.49	-2.3	-2.89	-8.03	-12.36	-13.99	-9.52	-4.4	-0.92	-22.47
90	-25.88	-0.66	-0.07	-0.01	-0.48	-3.48	-7.09	-22.48	-14.71	-7.61	-4.49	-2.38	-22.47
120	-7.67	-2.38	-1.87	-2.09	-2.29	-4.45	-9.45	-17.59	-16.36	-10.04	-7.08	-4.73	-22.47
150	-2.45	-6.84	-5.43	-6.59	-7.72	-9.7	-15.37	-23.8	-15.29	-12.15	-13.54	-12.39	-22.47
180	-1.33	-45.02	-25.79	-23.85	-21.88	-23.24	-26.31	-24.2	-22.06	-17.39	-18.24	-17.55	-22.47
210	-2.53	-7.35	-8.2	-9.81	-10.69	-12	-18.77	-24.26	-11.47	-9.4	-7.91	-6.36	-22.47
240	-6.63	-3.21	-4.43	-5.85	-8	-13.51	-18.79	-9.43	-3.91	-3.07	-3.51	-2.54	-22.47
270	-25.12	-1.69	-1.97	-2.85	-6.27	-10.61	-9.49	-3.89	-1.3	-1.92	-1.7	-1.51	-22.47

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

300	-7.14	-1.8	-0.68	-0.39	-1.98	-3.74	-4.35	-4.62	-3.47	-4.63	-3.33	-1.17	-22.47
330	-2.32	-4.84	-2.88	-2.36	-2.71	-6.04	-7.7	-10.58	-10.83	-13.81	-7.7	-5.46	-22.47
360	-1.14	-17.41	-13.88	-13.86	-12.82	-18.76	-20.7	-27.96	-27.15	-20.24	-26.6	-22.47	-22.47

Polarization	Total	Channel			Freq		5250						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-1.12	-0.73	-0.29	-4.85	-3.34	-0.62	0.14	-2.09	-10.07	-13.71	-12.76	-2.66	-2.66
30	-1.25	-1.07	0.15	-3.43	-2.7	-0.47	0.42	-0.41	-4.98	-10.95	-5.85	-1.67	-2.66
60	-1.07	-0.74	0.45	-0.03	-0.78	-0.01	1.39	1.45	-1.23	-5.02	-4.22	-0.87	-2.66
90	-1.12	-0.47	0.34	0.67	0.41	0.68	0.1	0.85	-0.41	-2.45	-2.73	-1.6	-2.66
120	-1.37	-0.56	0.34	0.46	-0.38	-1.98	-2.47	-1.34	-0.63	-2.2	-3.27	-1.16	-2.66
150	-1.17	-0.43	0.63	0.13	-0.86	-4.07	-5.48	-4.19	-0.88	-1.45	-2.7	-1.68	-2.66
180	-1.31	-0.48	0.37	-0.61	-1.35	-3.88	-4.88	-2.83	-0.78	-1.21	-2.43	-1.23	-2.66
210	-1.37	-0.82	-0.3	-0.72	-1.47	-3.73	-3.31	-2	0.92	-0.3	-1.95	-1.21	-2.66
240	-1.04	-1.43	-1.13	-1.75	-2.37	-2.61	-0.49	0.02	1.29	0.37	-1.72	-1.19	-2.66
270	-1.31	-1.57	-1.27	-1.4	-0.75	1.44	1.29	2.4	1.9	-0.71	-1.5	-1.48	-2.66
300	-1.24	-1.31	-0.42	-0.09	1.34	1.93	3.11	2.5	-0.41	-4.14	-3.13	-0.16	-2.66
330	-0.95	-1.1	-0.12	-1.59	0.05	1.7	1.56	0.15	-5.53	-12.05	-6.23	-1.63	-2.66
360	-1.12	-0.73	-0.29	-4.85	-3.34	-0.62	0.14	-2.09	-10.07	-13.71	-12.76	-2.66	-2.66

Polarization	Theta	Channel			Freq		5450						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-23.4	-0.19	0.9	-2.32	-4.07	-1.25	0.29	-0.8	-6.53	-12.63	-11.09	-2.71	-31.33
30	-5.47	-1.71	-0.48	-2.9	-3.97	-2.03	0.44	-0.28	-3.22	-11.16	-13.66	-4.91	-31.33
60	-0.61	-7.28	-7.02	-7.39	-6.78	-4.05	0.12	0.83	-1.48	-7.78	-15.67	-14.25	-31.33
90	0.59	-21.5	-12.64	-8.71	-9.1	-4.11	-3.12	-1.38	-2	-6.01	-9.37	-12.6	-31.33
120	-1.02	-6.09	-4.62	-4.58	-4.34	-7.34	-6.67	-6.64	-3.74	-4.32	-5.15	-4.98	-31.33
150	-5.61	-1.32	-0.77	-1.08	-1.52	-2.89	-7.31	-5.78	-3.51	-2.63	-2.27	-1.92	-31.33
180	-30.05	0.3	0.64	0.49	-0.59	-1.98	-5.42	-4.24	-4.45	-1.8	-1.84	-0.76	-31.33
210	-5.7	-0.93	-0.47	-0.41	-1.13	-3.13	-6.5	-4.55	-1.99	-1.49	-2.27	-2.03	-31.33
240	-0.83	-5.06	-4.2	-2.74	-3.39	-5.54	-3.29	-2.99	-1.76	-2.56	-5.7	-6.8	-31.33
270	0.18	-16.92	-9.98	-6.65	-4.66	-0.61	0.02	0.65	-1.36	-6.88	-14.85	-31.33	-31.33
300	-1.14	-7.73	-7.75	-10.1	-3.8	-0.17	2.4	1.8	-2.76	-13.45	-14.93	-6.22	-31.33
330	-5.82	-1.84	-1.09	-4.63	-4.94	-0.54	1.43	0.44	-4.85	-14.26	-10.03	-3.56	-31.33
360	-23.4	-0.19	0.9	-2.32	-4.07	-1.25	0.29	-0.8	-6.53	-12.63	-11.09	-2.71	-31.33

Polarization	Phi	Channel			Freq		5450						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	0.59	-35	-23.07	-18.64	-19.2	-23.1	-23.05	-23.08	-31.35	-20.64	-22.89	-23.21	-23.21
30	-1.02	-6.5	-3.67	-4	-5	-6.3	-7	-7.98	-11.61	-14.08	-7.8	-5.79	-23.21
60	-5.61	-1.62	0.43	0.76	0.06	-1.02	-3.69	-5.63	-8.06	-7.98	-5.57	-1.68	-23.21
90	-30.05	-0.6	0.48	0.44	-0.31	-2.76	-6.33	-13.05	-9.08	-5.53	-3.8	-1.97	-23.21
120	-5.7	-1.75	-0.74	-1.52	-2.51	-3.96	-9.48	-14.99	-11.16	-6.55	-5.21	-3.63	-23.21
150	-0.83	-5.99	-4.35	-4.66	-6.01	-7.08	-10.12	-15.83	-14.35	-11.22	-10.51	-9.36	-23.21
180	0.18	-19.31	-18.04	-17.5	-15.48	-16.04	-16.84	-21.97	-25.18	-28.16	-23.19	-19.84	-23.21
210	-1.14	-7.06	-8.1	-8.61	-10.62	-13.74	-23.04	-18.87	-11.56	-8.72	-7.42	-5.91	-23.21
240	-5.82	-1.88	-2.69	-4.42	-5.57	-10.44	-17.67	-8.3	-3.75	-2.5	-2.18	-1.79	-23.21
270	-23.4	-0.67	-0.85	-1.64	-4.17	-11.09	-13.92	-4.58	-1.31	-1.32	-0.68	-0.87	-23.21
300	-5.47	-1.65	-0.05	-0.17	-1.61	-3.6	-6.06	-6.06	-3.95	-4.08	-3.24	-1.47	-23.21
330	-0.61	-5.85	-3.61	-2.7	-3.24	-5.93	-8.39	-11.32	-11.12	-14.21	-9.39	-7.37	-23.21
360	0.59	-35	-23.07	-18.64	-19.2	-23.1	-23.05	-23.08	-31.35	-20.64	-22.89	-23.21	-23.21

Polarization	Total	Channel			Freq		5450						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	0.6	-0.19	0.92	-2.22	-3.94	-1.22	0.31	-0.78	-6.52	-12	-10.81	-2.67	-2.67
30	0.31	-0.47	1.22	-0.41	-1.44	-0.65	1.16	0.4	-2.63	-9.37	-6.8	-2.32	-2.67
60	0.58	-0.58	1.15	1.38	0.88	0.74	1.63	1.71	-0.62	-4.87	-5.17	-1.45	-2.67
90	0.59	-0.57	0.69	0.94	0.23	-0.37	-1.42	-1.1	-1.22	-2.75	-2.74	-1.61	-2.67
120	0.25	-0.39	0.75	0.22	-0.32	-2.32	-4.84	-6.05	-3.02	-2.28	-2.17	-1.24	-2.67
150	0.41	-0.05	0.81	0.5	-0.2	-1.49	-5.48	-5.37	-3.17	-2.07	-1.66	-1.2	-2.67
180	0.18	0.35	0.7	0.56	-0.45	-1.81	-5.11	-4.17	-4.41	-1.79	-1.81	-0.71	-2.67
210	0.16	0.02	0.22	0.2	-0.67	-2.77	-6.4	-4.4	-1.53	-0.74	-1.11	-0.54	-2.67
240	0.36	-0.18	-0.37	-0.49	-1.33	-4.32	-3.13	-1.87	0.37	0.48	-0.58	-0.6	-2.67
270	0.2	-0.57	-0.35	-0.45	-1.4	-0.24	0.19	1.79	1.68	-0.25	-0.52	-0.87	-2.67
300	0.22	-0.69	0.63	0.25	0.44	1.46	2.98	2.46	-0.3	-3.6	-2.96	-0.22	-2.67
330	0.53	-0.39	0.84	-0.55	-1	0.56	1.86	0.72	-3.93	-11.22	-6.69	-2.05	-2.67
360	0.6	-0.19	0.92	-2.22	-3.94	-1.22	0.31	-0.78	-6.52	-12	-10.81	-2.67	-2.67

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

Polarization	Theta	Channel			8		Freq		5470					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-21.42	0.27	1.07	-1.73	-3.94	-1.22	0.54	-0.82	-6.4	-12.06	-11.13	-2.97	-33.88	
30	-6.34	-1.54	-0.5	-2.54	-4.1	-1.9	0.39	-0.03	-3.29	-10.64	-13.29	-4.39	-33.88	
60	-1.33	-6.89	-6.93	-6.84	-6.61	-3.51	-0.02	0.64	-1.35	-7.61	-15.23	-13.93	-33.88	
90	-0.15	-20.65	-12.98	-8.29	-7.75	-4.08	-3.59	-1.5	-2.35	-5.72	-8.98	-12.47	-33.88	
120	-1.4	-5.21	-5.05	-3.94	-3.8	-6.9	-6.62	-6.9	-4.01	-4.23	-5.17	-4.45	-33.88	
150	-6.18	-0.7	-1.05	-0.87	-0.88	-2.7	-6.46	-5.24	-3.92	-2.81	-2.38	-1.68	-33.88	
180	-26.9	0.49	0.59	0.48	0.17	-1.71	-4.52	-4.17	-4.18	-2.43	-1.61	-0.53	-33.88	
210	-5.66	-0.47	-0.48	-0.21	-0.21	-2.91	-5.6	-4.26	-1.92	-1.59	-2.25	-1.91	-33.88	
240	-1.53	-4.7	-3.92	-2.58	-3.17	-5.7	-3.27	-3.21	-1.87	-2.45	-5.51	-6.56	-33.88	
270	-0.16	-16.01	-9.53	-6.27	-4.39	-0.84	-0.02	0.87	-1.45	-6.57	-14.61	-33.88	-33.88	
300	-1.24	-7.31	-6.93	-9.5	-3.84	-0.17	2.34	1.86	-2.57	-12.95	-14.84	-6.1	-33.88	
330	-5.89	-1.33	-0.92	-4.52	-4.94	-0.49	1.39	0.6	-4.44	-13.94	-9.92	-3.6	-33.88	
360	-21.42	0.27	1.07	-1.73	-3.94	-1.22	0.54	-0.82	-6.4	-12.06	-11.13	-2.97	-33.88	

Polarization	Phi	Channel			8		Freq		5470					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-0.15	-35.38	-23.15	-19.28	-19.14	-22.25	-21.5	-23.21	-32.49	-19.27	-22.5	-23.06	-23.06	
30	-1.4	-6.33	-3.69	-3.76	-4.7	-6.18	-6.72	-7.62	-11.42	-13.5	-7.3	-5.62	-23.06	
60	-6.18	-1.32	0.33	0.99	0.02	-0.69	-3.32	-5.25	-7.59	-7.74	-4.68	-1.38	-23.06	
90	-26.9	-0.25	0.29	0.57	-0.56	-2.72	-6.19	-12.52	-8.61	-5.61	-3.05	-1.37	-23.06	
120	-5.66	-1.22	-1.07	-1.48	-2.25	-3.88	-8.79	-14.44	-11.08	-6.76	-4.74	-2.93	-23.06	
150	-1.53	-4.82	-4.6	-4.4	-5.39	-6.86	-9.29	-14.78	-14.42	-11.37	-10.08	-9.04	-23.06	
180	-0.16	-18.14	-18.02	-17.63	-15.07	-16.19	-17.08	-21.35	-24.03	-30.24	-23.76	-20.55	-23.06	
210	-1.24	-6.79	-8.46	-8.31	-10.9	-13.51	-21.16	-19.42	-11.75	-8.74	-6.62	-5.62	-23.06	
240	-5.89	-1.23	-3.01	-3.96	-5.17	-9.81	-16.26	-8.39	-3.69	-2.21	-1.83	-1.84	-23.06	
270	-21.42	-0.19	-1.05	-1.46	-3.49	-10.54	-14.4	-4.64	-1.5	-1.37	-0.24	-0.89	-23.06	
300	-6.34	-1.35	-0.17	0.25	-1.24	-3.43	-5.67	-5.74	-3.94	-4.12	-2.94	-1.21	-23.06	
330	-1.33	-5.18	-2.91	-2.53	-3.35	-5.66	-7.52	-10.84	-11.02	-14.57	-9.33	-7.53	-23.06	
360	-0.15	-35.38	-23.15	-19.28	-19.14	-22.25	-21.5	-23.21	-32.49	-19.27	-22.5	-23.06	-23.06	

Polarization	Total	Channel			8		Freq		5470					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-0.11	0.28	1.08	-1.66	-3.81	-1.19	0.57	-0.79	-6.39	-11.3	-10.83	-2.93	-2.93	
30	-0.19	-0.29	1.2	-0.1	-1.38	-0.52	1.16	0.67	-2.67	-8.83	-6.32	-1.95	-2.93	
60	-0.1	-0.26	1.08	1.65	0.87	1.13	1.64	1.64	-0.42	-4.66	-4.31	-1.14	-2.93	
90	-0.14	-0.21	0.49	1.1	0.2	-0.34	-1.69	-1.17	-1.42	-2.65	-2.06	-1.04	-2.93	
120	-0.02	0.24	0.39	0.47	0.05	-2.13	-4.56	-6.19	-3.23	-2.3	-1.94	-0.61	-2.93	
150	-0.25	0.72	0.54	0.72	0.44	-1.29	-4.64	-4.78	-3.55	-2.24	-1.7	-0.95	-2.93	
180	-0.15	0.55	0.65	0.54	0.3	-1.56	-4.29	-4.09	-4.13	-2.42	-1.59	-0.49	-2.93	
210	0.1	0.44	0.16	0.41	0.15	-2.55	-5.48	-4.13	-1.49	-0.82	-0.9	-0.37	-2.93	
240	-0.17	0.38	-0.43	-0.21	-1.05	-4.28	-3.06	-2.06	0.33	0.68	-0.28	-0.58	-2.93	
270	-0.13	-0.08	-0.47	-0.22	-0.91	-0.4	0.13	1.95	1.54	-0.22	-0.08	-0.89	-2.93	
300	-0.07	-0.37	0.66	0.69	0.66	1.51	2.98	2.56	-0.19	-3.59	-2.67	0.01	-2.93	
330	-0.02	0.17	1.21	-0.4	-1.06	0.66	1.91	0.9	-3.57	-11.23	-6.6	-2.13	-2.93	
360	-0.11	0.28	1.08	-1.66	-3.81	-1.19	0.57	-0.79	-6.39	-11.3	-10.83	-2.93	-2.93	

Polarization	Theta	Channel			9		Freq		5490					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-21.34	0.4	0.94	-1.75	-4.23	-1.53	0.11	-0.89	-6.42	-11.59	-11.33	-2.83	-31.39	
30	-7.01	-1.3	-0.43	-2.27	-4.11	-2.44	0.12	-0.26	-3.69	-10.45	-13.04	-4.32	-31.39	
60	-1.94	-6.81	-7.03	-6.42	-6.37	-4.09	-0.24	0.51	-1.66	-7.7	-15.02	-13.74	-31.39	
90	-0.44	-20.93	-13.59	-7.78	-7.18	-4.21	-4.24	-1.87	-2.15	-5.78	-9.38	-12.54	-31.39	
120	-1.8	-5.14	-5.91	-3.73	-3.43	-6.66	-6.16	-7.17	-4.27	-4.33	-5.48	-4.7	-31.39	
150	-6.24	-0.64	-0.96	-0.69	-1.08	-2.64	-5.73	-5.31	-3.59	-3.14	-2.74	-2.03	-31.39	
180	-24.48	0.39	0.46	0.67	0.1	-1.74	-4.5	-4.5	-4.2	-2.54	-1.98	-0.52	-31.39	
210	-6.96	-0.48	-0.59	-0.09	-0.37	-2.71	-5.31	-4	-2.15	-1.87	-2.78	-1.72	-31.39	
240	-1.88	-4.57	-4.07	-2.92	-2.92	-5.59	-3.28	-3.11	-1.64	-2.87	-5.95	-6.72	-31.39	
270	-0.5	-15.34	-9.1	-6.46	-4.85	-1.02	-0.36	0.46	-1.43	-6.73	-15.28	-31.39	-31.39	
300	-1.41	-7.21	-7.21	-9.73	-4.33	-0.65	2.07	1.77	-2.87	-12.83	-14.77	-6	-31.39	
330	-5.63	-1.38	-1.11	-4.68	-5.08	-1.07	1.1	0.41	-4.79	-13.65	-10.15	-3.55	-31.39	
360	-21.34	0.4	0.94	-1.75	-4.23	-1.53	0.11	-0.89	-6.42	-11.59	-11.33	-2.83	-31.39	

Polarization	Phi	Channel			9		Freq		5490					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	

PCB Printing Antenna
 Antenna #1
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0	-0.44	-27.91	-22.07	-21.81	-18.69	-22.11	-20.94	-23.01	-30.95	-18.87	-23.07	-23.4	-23.4
30	-1.8	-5.78	-4.08	-3.6	-4.79	-6.16	-6.7	-7.54	-10.93	-13.18	-7.25	-5.33	-23.4
60	-6.24	-1.12	-0.02	0.85	-0.13	-0.7	-3.33	-4.88	-6.96	-7.59	-4.9	-1.23	-23.4
90	-24.48	0.33	0.06	0.54	-0.29	-2.76	-6.38	-12.3	-7.98	-5.53	-3.01	-1.34	-23.4
120	-6.96	-0.82	-1.32	-1.78	-2.41	-3.89	-8.66	-14.25	-10.93	-7	-4.5	-2.85	-23.4
150	-1.88	-4.66	-4.69	-4.51	-5.75	-6.82	-9.11	-14.56	-14.61	-11.53	-9.89	-8.71	-23.4
180	-0.5	-18.05	-18.77	-17.91	-15.8	-16.3	-17.92	-20.91	-23.64	-33.63	-24.71	-21.51	-23.4
210	-1.41	-6.78	-8.43	-8.35	-11	-13.49	-19.16	-20.29	-12.07	-8.99	-7.23	-5.85	-23.4
240	-5.63	-1.34	-3.14	-3.79	-5.47	-9.55	-15.39	-8.96	-3.97	-2.48	-1.98	-1.77	-23.4
270	-21.34	0.29	-1.19	-1.16	-3.08	-10.24	-15.55	-5.06	-1.52	-1.49	-0.13	-0.47	-23.4
300	-7.01	-0.6	-0.44	0.34	-0.98	-3.06	-5.5	-6.04	-4.06	-4.09	-2.86	-1.15	-23.4
330	-1.94	-5.05	-3.05	-2.53	-3.06	-5.82	-7.29	-10.63	-11.24	-14.9	-9.84	-7.63	-23.4
360	-0.44	-27.91	-22.07	-21.81	-18.69	-22.11	-20.94	-23.01	-30.95	-18.87	-23.07	-23.4	-23.4

Polarization	Total	Channel			9		Freq		5490					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-0.4	0.41	0.97	-1.71	-4.08	-1.49	0.14	-0.86	-6.4	-10.84	-11.05	-2.79	-2.79	
30	-0.65	0.02	1.13	0.12	-1.43	-0.9	0.94	0.49	-2.94	-8.59	-6.24	-1.78	-2.79	
60	-0.57	-0.08	0.77	1.59	0.8	0.94	1.49	1.62	-0.54	-4.64	-4.5	-0.99	-2.79	
90	-0.42	0.36	0.25	1.13	0.52	-0.41	-2.17	-1.49	-1.14	-2.64	-2.11	-1.02	-2.79	
120	-0.64	0.55	-0.02	0.36	0.12	-2.04	-4.22	-6.39	-3.42	-2.45	-1.95	-0.67	-2.79	
150	-0.52	0.81	0.58	0.82	0.2	-1.23	-4.09	-4.82	-3.26	-2.55	-1.97	-1.18	-2.79	
180	-0.48	0.45	0.52	0.73	0.21	-1.59	-4.31	-4.4	-4.15	-2.54	-1.96	-0.48	-2.79	
210	-0.34	0.43	0.08	0.51	-0.01	-2.36	-5.13	-3.9	-1.73	-1.1	-1.45	-0.3	-2.79	
240	-0.35	0.35	-0.57	-0.32	-1	-4.12	-3.02	-2.1	0.36	0.34	-0.52	-0.56	-2.79	
270	-0.47	0.41	-0.54	-0.04	-0.87	-0.52	-0.23	1.54	1.54	-0.36	0	-0.47	-2.79	
300	-0.35	0.26	0.39	0.74	0.67	1.32	2.77	2.44	-0.41	-3.55	-2.59	0.08	-2.79	
330	-0.39	0.17	1.04	-0.47	-0.94	0.19	1.69	0.74	-3.9	-11.22	-6.98	-2.12	-2.79	
360	-0.4	0.41	0.97	-1.71	-4.08	-1.49	0.14	-0.86	-6.4	-10.84	-11.05	-2.79	-2.79	

Polarization	Theta	Channel			10		Freq		5500					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-21.6	0.58	0.96	-1.86	-4.27	-1.45	0.03	-1.03	-6.45	-11.42	-11.25	-2.91	-32.3	
30	-7.19	-0.9	-0.82	-2.46	-4.29	-2.4	-0.05	-0.08	-3.7	-10.57	-12.9	-4.31	-32.3	
60	-1.97	-6.81	-6.96	-6.51	-6.39	-3.87	-0.42	0.51	-1.88	-7.87	-15.13	-13.65	-32.3	
90	-0.59	-20.99	-14.04	-7.72	-6.98	-4.5	-3.94	-1.77	-2.73	-6.34	-9.59	-12.54	-32.3	
120	-1.81	-5.13	-5.83	-4.07	-3.44	-6.23	-6.18	-7.23	-4.2	-5.02	-5.89	-4.66	-32.3	
150	-6.64	-0.78	-1.39	-0.77	-0.82	-2.62	-5.55	-5.35	-3.6	-3.62	-3.18	-1.88	-32.3	
180	-23.86	0.63	0.45	0.46	0.08	-1.81	-4.4	-4.26	-4.27	-2.88	-2.19	-0.53	-32.3	
210	-6.66	-0.31	-0.53	-0.25	-0.59	-2.83	-5.46	-4.38	-2.3	-1.89	-2.9	-1.66	-32.3	
240	-1.56	-4.34	-4.18	-3.04	-3.07	-5.55	-3.27	-3.62	-1.8	-2.99	-6.1	-6.77	-32.3	
270	-0.41	-15.22	-9.01	-6.76	-4.72	-1.24	-0.45	0.27	-1.58	-6.88	-15.72	-32.3	-32.3	
300	-1.48	-7.15	-7.05	-10.03	-4.24	-0.6	1.91	1.44	-2.77	-12.78	-14.63	-6.11	-32.3	
330	-5.22	-1.25	-1.24	-4.78	-5.07	-1.25	0.82	0.12	-4.53	-13.73	-10.13	-3.5	-32.3	
360	-21.6	0.58	0.96	-1.86	-4.27	-1.45	0.03	-1.03	-6.45	-11.42	-11.25	-2.91	-32.3	

Polarization	Phi	Channel			10		Freq		5500					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-0.63	-25.85	-21.69	-22.74	-18.68	-21.73	-20.65	-23.57	-30.25	-18.67	-23.32	-24.29	-24.29	
30	-1.85	-5.58	-4.29	-3.64	-4.93	-6.08	-6.82	-7.81	-10.81	-13.01	-7.37	-5.2	-24.29	
60	-6.68	-0.77	-0.27	0.78	-0.19	-0.82	-3.46	-5.04	-6.77	-7.47	-4.67	-1.14	-24.29	
90	-23.9	0.59	-0.27	0.3	-0.5	-2.67	-6.54	-12.48	-7.76	-5.43	-2.96	-1.14	-24.29	
120	-6.7	-0.37	-1.6	-2.14	-2.54	-3.88	-8.6	-14.3	-10.83	-6.95	-4.52	-2.71	-24.29	
150	-1.6	-4.22	-5.04	-4.54	-6.04	-6.79	-9.2	-14.68	-14.63	-11.63	-9.94	-8.7	-24.29	
180	-0.45	-18.18	-19.27	-17.93	-15.91	-16.54	-18.46	-21.11	-23.44	-34.93	-25.61	-22.06	-24.29	
210	-1.52	-6.83	-8.3	-8.55	-11.04	-13.31	-18.71	-21.17	-12.16	-8.99	-7.3	-5.48	-24.29	
240	-5.26	-0.95	-3.28	-4.03	-5.58	-9.24	-15.33	-9.4	-4.02	-2.56	-2.18	-1.71	-24.29	
270	-21.64	0.36	-1.31	-1.24	-2.95	-10.04	-16.28	-5.17	-1.68	-1.29	-0.37	-0.4	-24.29	
300	-7.23	-0.47	-0.48	0.42	-0.87	-3.1	-5.74	-6.67	-3.89	-4.41	-3.15	-1.12	-24.29	
330	-2.01	-4.68	-3.31	-2.81	-3.02	-5.44	-7.31	-10.63	-11.28	-14.84	-10.05	-6.88	-24.29	
360	-0.63	-25.85	-21.69	-22.74	-18.68	-21.73	-20.65	-23.57	-30.25	-18.67	-23.32	-24.29	-24.29	

Polarization	Total	Channel			10		Freq		5500					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-0.6	0.59	0.98	-1.82	-4.12	-1.41	0.06	-1.01	-6.43	-10.67	-10.99	-2.88	-2.88	
30	-0.74	0.37	0.79	0	-1.59	-0.85	0.77	0.6	-2.93	-8.61	-6.3	-1.72	-2.88	
60	-0.71	0.19	0.57	1.52	0.75	0.93	1.33	1.58	-0.66	-4.66	-4.29	-0.9	-2.88	

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

90	-0.57	0.62	-0.1	0.93	0.38	-0.48	-2.04	-1.42	-1.54	-2.85	-2.1	-0.83	-2.88
120	-0.59	0.88	-0.21	0.01	0.05	-1.89	-4.22	-6.45	-3.35	-2.87	-2.14	-0.56	-2.88
150	-0.42	0.84	0.16	0.75	0.32	-1.21	-4	-4.87	-3.27	-2.98	-2.35	-1.06	-2.88
180	-0.43	0.68	0.49	0.53	0.19	-1.67	-4.24	-4.17	-4.22	-2.88	-2.17	-0.5	-2.88
210	-0.36	0.56	0.14	0.35	-0.22	-2.46	-5.26	-4.29	-1.87	-1.12	-1.55	-0.15	-2.88
240	-0.02	0.68	-0.7	-0.5	-1.14	-4.01	-3.01	-2.6	0.24	0.24	-0.7	-0.53	-2.88
270	-0.38	0.47	-0.63	-0.17	-0.73	-0.7	-0.34	1.36	1.38	-0.23	-0.24	-0.39	-2.88
300	-0.46	0.37	0.38	0.79	0.78	1.34	2.59	2.06	-0.28	-3.82	-2.85	0.08	-2.88
330	-0.32	0.37	0.85	-0.67	-0.91	0.15	1.44	0.47	-3.7	-11.24	-7.08	-1.86	-2.88
360	-0.6	0.59	0.98	-1.82	-4.12	-1.41	0.06	-1.01	-6.43	-10.67	-10.99	-2.88	-2.88

Polarization	Theta	Channel				Freq				5750			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-22.07	0.86	0.82	-0.96	-3.31	-1.88	-0.1	-1.24	-7	-9.39	-7.79	-1.55	-28.96
30	-5.6	-0.24	-0.97	-1.69	-3.65	-3.32	0.13	-0.11	-4.23	-10.05	-9.1	-2.81	-28.96
60	-0.33	-5.39	-7.11	-5.84	-6.52	-3.01	-0.05	0.42	-2.54	-9.83	-15	-10.32	-28.96
90	1.15	-18.85	-14.24	-7.37	-5.6	-3.55	-3.54	-2.01	-2.5	-7.55	-11.64	-15.04	-28.96
120	0.19	-5.71	-4.27	-3.05	-2.49	-4.35	-4.56	-6.74	-4.65	-4.82	-6.07	-4.91	-28.96
150	-3.79	-0.46	0.26	0.23	-0.49	-1.48	-3.45	-4.41	-4.1	-3.88	-3.8	-1.78	-28.96
180	-21.54	1.14	2.23	1.54	0.36	-0.9	-2.84	-4.05	-4.76	-3.75	-2.4	-0.9	-28.96
210	-5.91	0.36	1.57	0.86	0.13	-1.64	-3.6	-4.11	-3.94	-3.21	-3.74	-2.27	-28.96
240	-0.75	-3.65	-1.54	-1.61	-1.49	-3.71	-3.76	-4.95	-3.41	-4.84	-7.08	-6.91	-28.96
270	0.97	-14.75	-7.23	-4.39	-3.65	-2.2	-1.76	-0.58	-3.44	-9.54	-22.45	-28.96	-28.96
300	0.09	-6.81	-6.82	-6.1	-4.65	-0.85	1.5	0.66	-3.79	-16.59	-11.02	-4.9	-28.96
330	-4.47	-1.03	-1.06	-2.36	-3.84	-2.35	0.7	0.09	-5.6	-11.6	-7.27	-2.3	-28.96
360	-22.07	0.86	0.82	-0.96	-3.31	-1.88	-0.1	-1.24	-7	-9.39	-7.79	-1.55	-28.96

Polarization	Phi	Channel				Freq				5750			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	1.19	-23.67	-20.99	-19.51	-18.06	-21.96	-21.88	-24.05	-23.45	-18.69	-25.32	-26.48	-26.48
30	0.23	-5.73	-4.51	-3.74	-3.69	-5.22	-6.11	-6.92	-10.23	-10.35	-6.53	-4.29	-26.48
60	-3.75	-0.37	-0.48	0.22	0.44	-0.76	-2.92	-4.33	-5.74	-5.05	-2.95	-0.64	-26.48
90	-21.5	0.69	0.39	-0.48	-0.24	-3.16	-6.91	-12.78	-7.48	-3.84	-2.09	-0.33	-26.48
120	-5.87	-0.07	0.03	-0.69	-1.51	-2.83	-6.34	-11.91	-13.13	-6.53	-3.9	-2.32	-26.48
150	-0.71	-3.52	-3.23	-3.36	-4.07	-6.15	-7.96	-12.65	-16.72	-13.45	-10.59	-8.34	-26.48
180	1.01	-18.13	-17.84	-19.17	-17.85	-19.04	-19.83	-21.23	-22.97	-25.8	-24.27	-22.79	-26.48
210	0.13	-6.52	-6.24	-5.62	-7.61	-9.92	-13.9	-28.4	-15.62	-9.41	-7.59	-5.79	-26.48
240	-4.43	-0.72	-0.72	-1.62	-3.47	-5.7	-12.41	-13.59	-5.58	-3.11	-2.12	-1.13	-26.48
270	-22.03	0.92	0.42	-0.58	-1.55	-6.47	-13.27	-6.46	-2.44	-1.1	-0.13	0.1	-26.48
300	-5.56	0	0.36	0.99	0.67	-1.63	-4.98	-5.46	-2.92	-3.59	-2.04	-0.45	-26.48
330	-0.29	-4.05	-2.81	-1.46	-1.68	-3.99	-6.05	-8.9	-8.8	-12.09	-9.37	-6.69	-26.48
360	1.19	-23.67	-20.99	-19.51	-18.06	-21.96	-21.88	-24.05	-23.45	-18.69	-25.32	-26.48	-26.48

Polarization	Total	Channel				Freq				5750			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	1.21	0.88	0.85	-0.9	-3.16	-1.84	-0.07	-1.21	-6.9	-8.9	-7.71	-1.53	-1.53
30	1.23	0.84	0.62	0.41	-0.66	-1.16	1.05	0.71	-3.25	-7.18	-4.62	-0.48	-1.53
60	1.29	0.82	0.38	1.18	1.24	1.27	1.76	1.68	-0.84	-3.8	-2.69	-0.2	-1.53
90	1.17	0.74	0.54	0.33	0.87	-0.34	-1.9	-1.66	-1.3	-2.3	-1.64	-0.19	-1.53
120	1.15	0.98	1.41	1.3	1.04	-0.52	-2.35	-5.59	-4.07	-2.58	-1.84	-0.42	-1.53
150	1.02	1.29	1.87	1.81	1.09	-0.21	-2.14	-3.8	-3.86	-3.42	-2.97	-0.91	-1.53
180	1.03	1.19	2.27	1.58	0.43	-0.84	-2.76	-3.97	-4.69	-3.72	-2.37	-0.87	-1.53
210	1.09	1.17	2.24	1.74	0.81	-1.04	-3.21	-4.09	-3.65	-2.27	-2.24	-0.67	-1.53
240	0.79	1.07	1.9	1.39	0.64	-1.58	-3.21	-4.39	-1.35	-0.88	-0.92	-0.11	-1.53
270	0.99	1.04	1.11	0.93	0.54	-0.82	-1.47	0.42	0.1	-0.52	-0.11	0.1	-1.53
300	1.13	0.83	1.12	1.77	1.79	1.79	2.38	1.61	-0.32	-3.37	-1.53	0.88	-1.53
330	1.11	0.73	1.17	1.12	0.38	-0.09	1.53	0.61	-3.9	-8.82	-5.18	-0.95	-1.53
360	1.21	0.88	0.85	-0.9	-3.16	-1.84	-0.07	-1.21	-6.9	-8.9	-7.71	-1.53	-1.53

Polarization	Theta	Channel				Freq				5770			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-21.19	0.6	0.85	-0.38	-3.07	-1.57	-0.32	-1.44	-7.07	-9.76	-7.59	-1.82	-29.44
30	-5.66	-0.72	-0.69	-1.51	-3.9	-2.93	-0.13	-0.34	-4.16	-10.65	-8.94	-3.05	-29.44
60	-0.69	-5.77	-6.92	-5.63	-6.12	-3.01	0.06	0.34	-2.69	-10.36	-14.89	-10.18	-29.44
90	1.39	-19.03	-13.59	-7.08	-5.7	-4.01	-3.31	-1.99	-2.54	-7.91	-11.92	-15.29	-29.44
120	0.29	-5.77	-4.27	-2.93	-2.47	-4.3	-4.55	-7.27	-4.53	-5.97	-5.9	-4.88	-29.44
150	-4.21	-0.54	0.78	0	-0.8	-1.46	-4	-4.59	-4.37	-4.28	-3.69	-1.94	-29.44

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

180	-21.39	1.14	2.24	1.41	0.14	-0.95	-3.76	-3.62	-5.15	-4.06	-3.02	-0.95	-29.44
210	-5.87	0.02	1.58	0.63	-0.56	-1.32	-4.32	-3.74	-4.66	-3.76	-3.98	-2.29	-29.44
240	-0.51	-3.82	-2.01	-1.73	-1.58	-4.09	-4.36	-5.48	-3.53	-4.99	-7.63	-7.14	-29.44
270	0.99	-14.58	-7.57	-4.58	-3.57	-2.01	-1.63	-0.95	-3.21	-9.7	-24.07	-29.44	-29.44
300	0.08	-6.72	-6.97	-6.28	-4.62	-1.06	1.56	0.37	-4.04	-16.82	-10.73	-4.67	-29.44
330	-4.08	-0.74	-0.89	-2.23	-4.11	-2.67	0.37	-0.24	-5.9	-11.9	-7.18	-2.27	-29.44
360	-21.19	0.6	0.85	-0.38	-3.07	-1.57	-0.32	-1.44	-7.07	-9.76	-7.59	-1.82	-29.44

Polarization	Phi	Channel			Freq			5770					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	1.42	-25.7	-20.94	-19.43	-17.89	-22.38	-21.14	-23.4	-24.46	-18.29	-24.37	-27.47	-27.47
30	0.32	-5.5	-4.63	-3.98	-3.74	-5.26	-6.44	-7.14	-10.24	-10.28	-6.55	-4.67	-27.47
60	-4.18	-0.77	-0.57	0.17	0.25	-0.69	-3.5	-4.7	-5.79	-4.91	-3.23	-0.57	-27.47
90	-21.36	0.71	0.41	-0.34	-0.57	-3.2	-6.75	-13.15	-7.71	-4.05	-1.79	-0.42	-27.47
120	-5.84	0.01	0.06	-0.23	-1.78	-3.15	-6.47	-11.91	-13.4	-6.96	-4.33	-2.34	-27.47
150	-0.48	-3.54	-3.61	-3.49	-4.6	-6.14	-8.49	-12.47	-16.36	-14.07	-10.83	-8.52	-27.47
180	1.02	-17.76	-18.3	-19.89	-19.04	-19.04	-20.61	-21.12	-22.6	-25.18	-24.25	-22.76	-27.47
210	0.11	-7.06	-6.4	-5.63	-7.53	-9.92	-14.06	-28.65	-16.37	-9.48	-7.59	-6.23	-27.47
240	-4.05	-0.74	-0.55	-1.33	-3.47	-5.74	-12.64	-14.31	-5.92	-3.49	-2.42	-1.35	-27.47
270	-21.16	0.69	0.41	-0.57	-1.55	-6.53	-13.17	-6.91	-2.23	-1.71	-0.19	0.05	-27.47
300	-5.63	-0.18	0.46	0.84	0.41	-1.65	-5.28	-5.34	-3.55	-3.62	-2.16	-0.4	-27.47
330	-0.66	-4.43	-2.52	-1.89	-1.58	-3.95	-5.92	-8.94	-8.88	-12.42	-9.48	-7.01	-27.47
360	1.42	-25.7	-20.94	-19.43	-17.89	-22.38	-21.14	-23.4	-24.46	-18.29	-24.37	-27.47	-27.47

Polarization	Total	Channel			Freq			5770					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	1.44	0.61	0.88	-0.32	-2.93	-1.54	-0.28	-1.41	-6.99	-9.19	-7.5	-1.81	-1.81
30	1.3	0.52	0.78	0.44	-0.81	-0.93	0.79	0.48	-3.2	-7.45	-4.57	-0.77	-1.81
60	0.92	0.42	0.33	1.18	1.15	1.31	1.65	1.52	-0.96	-3.82	-2.94	-0.12	-1.81
90	1.42	0.75	0.58	0.49	0.59	-0.58	-1.68	-1.67	-1.38	-2.55	-1.38	-0.28	-1.81
120	1.24	1.03	1.42	1.64	0.9	-0.68	-2.39	-5.99	-4	-3.42	-2.03	-0.42	-1.81
150	1.06	1.22	2.13	1.61	0.72	-0.19	-2.68	-3.94	-4.1	-3.84	-2.92	-1.08	-1.81
180	1.05	1.19	2.28	1.45	0.2	-0.89	-3.67	-3.55	-5.07	-4.02	-2.98	-0.92	-1.81
210	1.09	0.79	2.22	1.55	0.24	-0.76	-3.88	-3.73	-4.37	-2.73	-2.41	-0.82	-1.81
240	1.08	1	1.79	1.48	0.59	-1.83	-3.76	-4.95	-1.55	-1.16	-1.27	-0.34	-1.81
270	1.02	0.82	1.05	0.88	0.57	-0.7	-1.33	0.03	0.32	-1.07	-0.17	0.05	-1.81
300	1.12	0.69	1.18	1.61	1.6	1.67	2.38	1.4	-0.78	-3.42	-1.59	0.98	-1.81
330	0.97	0.8	1.38	0.95	0.35	-0.25	1.29	0.31	-4.13	-9.14	-5.17	-1.01	-1.81
360	1.44	0.61	0.88	-0.32	-2.93	-1.54	-0.28	-1.41	-6.99	-9.19	-7.5	-1.81	-1.81

Polarization	Theta	Channel			Freq			5790					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-19.58	0.33	1.14	-0.27	-3.18	-1.93	-0.52	-1.57	-6.96	-9.98	-7.58	-1.7	-29.28
30	-6.07	-0.86	-0.42	-1.75	-3.54	-3.66	-0.21	-0.59	-4.37	-10.88	-8.95	-2.84	-29.28
60	-0.61	-6.05	-6.57	-5.59	-6.01	-3.03	0.27	-0.04	-2.44	-10.45	-14.88	-10.15	-29.28
90	1.18	-19.22	-13.1	-6.84	-5.71	-4.13	-2.93	-2.65	-2.39	-7.99	-12.4	-15.82	-29.28
120	0.02	-5.82	-4.19	-3.1	-2.47	-4.3	-5.67	-7.21	-5.03	-5.8	-6.68	-5.24	-29.28
150	-4.03	-0.92	0.7	-0.1	-0.86	-1.45	-4.68	-4.74	-5.16	-4.57	-4.2	-1.99	-29.28
180	-20.69	0.89	2.14	1.4	-0.3	-1.13	-3.52	-3.84	-5.58	-4.24	-3.48	-0.83	-29.28
210	-6.11	-0.09	1.42	0.48	-0.59	-1.3	-4.41	-4.06	-5.18	-3.85	-4.41	-2.51	-29.28
240	-0.69	-3.79	-2.25	-2.12	-1.6	-3.82	-4.57	-5.27	-3.69	-5.55	-8.08	-7.66	-29.28
270	0.78	-13.76	-7.92	-5.15	-3.78	-2.13	-1.86	-1.12	-4.13	-10.13	-26.04	-29.28	-29.28
300	-0.07	-6.68	-7.13	-6.57	-4.47	-1.06	1.58	0.19	-4.44	-17.16	-10.77	-4.89	-29.28
330	-4.09	-1.05	-0.68	-2.5	-3.91	-2.69	0.34	-0.48	-5.58	-12	-7.12	-2.28	-29.28
360	-19.58	0.33	1.14	-0.27	-3.18	-1.93	-0.52	-1.57	-6.96	-9.98	-7.58	-1.7	-29.28

Polarization	Phi	Channel			Freq			5790					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	1.16	-25.56	-21.51	-19.56	-18.19	-22.18	-20.96	-23.4	-25.24	-17.91	-24.37	-29.15	-29.15
30	0	-6.21	-4.51	-4.02	-3.77	-5.38	-6.59	-7.28	-10.33	-10.29	-6.44	-5.17	-29.15
60	-4.05	-1.05	-0.26	0.19	0.2	-0.78	-3.28	-4.76	-5.79	-5.52	-2.86	-0.47	-29.15
90	-20.71	0.4	0.34	-0.21	-0.57	-3.26	-6.81	-13.34	-7.83	-4.54	-2.02	-0.51	-29.15
120	-6.13	-0.18	0.14	-0.44	-1.64	-2.79	-6.77	-11.67	-13.49	-7.43	-4.28	-2.34	-29.15
150	-0.71	-3.76	-3.83	-3.8	-4.88	-6.34	-8.54	-12.23	-16.42	-14.5	-10.96	-8.62	-29.15
180	0.76	-18.14	-18.54	-19.72	-20.13	-19.86	-21.48	-21.05	-23.36	-25.87	-24.72	-23.13	-29.15
210	-0.09	-7.49	-6.75	-5.86	-7.33	-9.88	-13.37	-29.86	-17.28	-9.76	-7.87	-6.29	-29.15
240	-4.11	-0.92	-1.03	-1.59	-3.53	-5.61	-11.9	-14.96	-5.9	-3.64	-2.22	-1.54	-29.15

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

270	-19.6	0.48	0.06	-0.31	-1.71	-6.56	-13.84	-6.97	-2.81	-1.47	-0.49	-0.01	-29.15
300	-6.09	-0.17	0.3	0.84	0.33	-1.45	-4.84	-4.91	-3.44	-3.86	-2.29	-0.49	-29.15
330	-0.63	-4.55	-2.72	-2	-1.81	-4.15	-5.78	-8.89	-9.1	-12.63	-9.78	-6.87	-29.15
360	1.16	-25.56	-21.51	-19.56	-18.19	-22.18	-20.96	-23.4	-25.24	-17.91	-24.37	-29.15	-29.15

Polarization	Total	Channel			13		Freq		5790					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	1.19	0.34	1.16	-0.22	-3.04	-1.89	-0.48	-1.54	-6.9	-9.33	-7.49	-1.7	-1.7	
30	0.96	0.25	1.01	0.27	-0.64	-1.43	0.69	0.26	-3.39	-7.56	-4.5	-0.84	-1.7	
60	1.01	0.14	0.65	1.2	1.13	1.25	1.86	1.23	-0.79	-4.31	-2.59	-0.03	-1.7	
90	1.21	0.45	0.53	0.64	0.59	-0.67	-1.44	-2.29	-1.3	-2.92	-1.64	-0.38	-1.7	
120	0.96	0.87	1.5	1.44	0.98	-0.47	-3.17	-5.88	-4.45	-3.53	-2.3	-0.54	-1.7	
150	0.95	0.9	2.01	1.44	0.59	-0.23	-3.18	-4.02	-4.85	-4.15	-3.37	-1.14	-1.7	
180	0.79	0.95	2.17	1.43	-0.25	-1.08	-3.45	-3.75	-5.51	-4.21	-3.45	-0.81	-1.7	
210	0.88	0.64	2.03	1.38	0.25	-0.74	-3.89	-4.04	-4.92	-2.86	-2.79	-0.99	-1.7	
240	0.94	0.89	1.41	1.16	0.55	-1.62	-3.83	-4.82	-1.65	-1.48	-1.22	-0.59	-1.7	
270	0.82	0.64	0.7	0.92	0.39	-0.8	-1.59	-0.11	-0.41	-0.92	-0.47	-0.01	-1.7	
300	0.9	0.7	1.02	1.56	1.57	1.76	2.48	1.36	-0.9	-3.66	-1.71	0.85	-1.7	
330	0.99	0.55	1.43	0.76	0.28	-0.35	1.29	0.11	-3.98	-9.29	-5.24	-0.99	-1.7	
360	1.19	0.34	1.16	-0.22	-3.04	-1.89	-0.48	-1.54	-6.9	-9.33	-7.49	-1.7	-1.7	

Polarization	Theta	Channel			14		Freq		5810					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-18.92	0.46	1.32	-0.33	-2.92	-1.73	-0.09	-1.4	-6.63	-10.11	-7.5	-1.78	-30.24	
30	-6.67	-0.74	0	-1.39	-3.2	-3.04	0.12	-0.47	-4	-10.99	-9	-2.53	-30.24	
60	-0.81	-5.63	-6.34	-5.51	-6.23	-2.87	0.28	0.03	-2.3	-10.49	-14.91	-10.05	-30.24	
90	0.82	-19.19	-12.64	-6.59	-5.55	-4.06	-3.33	-2.53	-2.7	-7.91	-12.66	-15.6	-30.24	
120	-0.05	-5.34	-3.87	-2.78	-2.58	-4.21	-5.76	-7.59	-5.11	-6.09	-6.95	-4.83	-30.24	
150	-3.82	-0.11	0.6	0.16	-0.86	-1.24	-4.11	-4.65	-5.71	-3.86	-4.36	-1.8	-30.24	
180	-20.16	1.32	1.71	1.41	-0.32	-0.8	-2.85	-3.13	-5.88	-3.88	-3.48	-0.89	-30.24	
210	-6.32	0.63	1.22	0.61	-0.66	-1.25	-4.23	-4.23	-4.88	-3.54	-4.86	-2.22	-30.24	
240	-0.79	-3.39	-2.2	-2.1	-1.84	-3.81	-5.15	-5.08	-3.49	-5.64	-8.24	-7.19	-30.24	
270	0.92	-12.73	-8.15	-5.02	-3.92	-2.02	-2.2	-0.9	-4.39	-10.35	-27.57	-30.24	-30.24	
300	-0.09	-6.39	-7.02	-6.66	-4.5	-0.69	1.43	0.32	-4.68	-17.22	-10.58	-4.51	-30.24	
330	-4.23	-1.01	-0.48	-2.55	-3.68	-2.46	0.43	-0.27	-5.58	-11.84	-7.03	-2.26	-30.24	
360	-18.92	0.46	1.32	-0.33	-2.92	-1.73	-0.09	-1.4	-6.63	-10.11	-7.5	-1.78	-30.24	

Polarization	Phi	Channel			14		Freq		5810					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	0.8	-23.64	-20.9	-19.67	-18.25	-21.96	-20	-23.61	-26.28	-17.56	-23.84	-28.34	-28.34	
30	-0.07	-6.3	-4.69	-3.71	-3.78	-5.2	-6.62	-7.44	-10.04	-10.31	-6.24	-4.7	-28.34	
60	-3.84	-1	-0.52	0.47	0.16	-0.62	-3.57	-4.36	-5.59	-5.42	-3.01	-0.35	-28.34	
90	-20.18	0.46	0.5	-0.2	-0.86	-3	-7.07	-13.44	-7.93	-4.36	-1.8	-0.23	-28.34	
120	-6.34	-0.11	0.08	-0.42	-2.04	-3.11	-6.67	-11.39	-13.98	-7.6	-4.34	-2.43	-28.34	
150	-0.81	-3.8	-3.77	-3.54	-5.47	-6.34	-8.25	-12.21	-16.42	-14.33	-11	-8.41	-28.34	
180	0.9	-19.4	-18.29	-19.25	-20.36	-20.12	-22.26	-22.06	-22.89	-26.84	-24.93	-23.46	-28.34	
210	-0.11	-7.01	-7.04	-6.06	-6.96	-9.6	-12.4	-28.14	-18.47	-9.99	-7.88	-5.98	-28.34	
240	-4.25	-1.16	-1.03	-1.68	-3.36	-5.22	-10.66	-15.47	-6.32	-3.72	-2.37	-1.4	-28.34	
270	-18.94	0.76	-0.21	-0.35	-1.72	-6.44	-14.67	-7.24	-2.56	-1.42	-0.32	-0.08	-28.34	
300	-6.69	-0.05	0.01	1.08	0.18	-1.49	-4.93	-5.29	-3.24	-3.5	-2.42	-0.55	-28.34	
330	-0.83	-3.94	-2.95	-1.62	-1.96	-3.82	-5.54	-8.71	-9.12	-12.13	-9.94	-6.91	-28.34	
360	0.8	-23.64	-20.9	-19.67	-18.25	-21.96	-20	-23.61	-26.28	-17.56	-23.84	-28.34	-28.34	

Polarization	Total	Channel			14		Freq		5810					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	0.84	0.48	1.35	-0.28	-2.79	-1.69	-0.04	-1.37	-6.59	-9.39	-7.4	-1.77	-1.77	
30	0.79	0.33	1.27	0.61	-0.47	-0.98	0.96	0.33	-3.04	-7.62	-4.39	-0.47	-1.77	
60	0.94	0.29	0.49	1.45	1.06	1.41	1.78	1.38	-0.63	-4.24	-2.74	0.09	-1.77	
90	0.86	0.51	0.7	0.7	0.41	-0.49	-1.8	-2.19	-1.56	-2.77	-1.45	-0.11	-1.77	
120	0.87	1.03	1.55	1.57	0.71	-0.61	-3.18	-6.08	-4.58	-3.77	-2.44	-0.46	-1.77	
150	0.95	1.44	1.95	1.7	0.43	-0.07	-2.69	-3.95	-5.36	-3.48	-3.51	-0.94	-1.77	
180	0.93	1.36	1.75	1.45	-0.27	-0.75	-2.8	-3.07	-5.8	-3.85	-3.45	-0.87	-1.77	
210	0.82	1.32	1.83	1.46	0.26	-0.66	-3.61	-4.21	-4.7	-2.65	-3.1	-0.7	-1.77	
240	0.83	0.88	1.43	1.13	0.48	-1.45	-4.07	-4.7	-1.67	-1.56	-1.37	-0.39	-1.77	
270	0.97	0.95	0.43	0.93	0.33	-0.68	-1.96	0.01	-0.37	-0.9	-0.31	-0.08	-1.77	
300	0.77	0.86	0.79	1.76	1.45	1.94	2.33	1.38	-0.89	-3.32	-1.8	0.91	-1.77	
330	0.8	0.78	1.47	0.95	0.27	-0.08	1.41	0.31	-3.99	-8.97	-5.23	-0.98	-1.77	

PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

	360	0.84	0.48	1.35	-0.28	-2.79	-1.69	-0.04	-1.37	-6.59	-9.39	-7.4	-1.77	-1.77
Polarization	Theta	Channel			15			Freq			5830			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-19.18	0.84	1.29	-0.54	-2.58	-1.92	-0.38	-1.45	-6.39	-10.16	-7.46	-1.56	-31.52	
30	-6.77	-0.36	-0.13	-1.43	-3.32	-3.15	0.3	-0.49	-3.56	-10.96	-8.89	-2.49	-31.52	
60	-0.98	-5.13	-6.31	-5.45	-5.83	-2.35	0.27	-0.12	-2.29	-10.37	-15.01	-10.04	-31.52	
90	0.86	-18.45	-12.17	-6.41	-4.55	-3.81	-3.93	-2.53	-3.14	-8.05	-12.92	-15.57	-31.52	
120	0.12	-5.15	-4.01	-2.85	-1.95	-3.81	-5.85	-7.24	-5.81	-5.59	-7.03	-4.88	-31.52	
150	-3.84	-0.13	0.38	0.26	-0.64	-1.46	-3.21	-4.12	-5.99	-4.21	-4.47	-1.67	-31.52	
180	-19.96	1.38	1.69	1.66	-0.47	-1.02	-2.49	-3.28	-5.15	-3.92	-3.67	-0.53	-31.52	
210	-6.38	0.66	1.03	0.79	-0.72	-0.96	-3.63	-4.1	-4.61	-3.65	-4.47	-1.81	-31.52	
240	-0.79	-3.02	-2.54	-1.7	-1.92	-3.5	-4.57	-5.22	-3.62	-5.66	-7.91	-6.63	-31.52	
270	0.58	-11.97	-8.3	-4.96	-3.33	-2.08	-2.13	-0.92	-4.06	-10.62	-25.28	-31.52	-31.52	
300	-0.1	-6.46	-7.03	-6.61	-4.01	-0.87	1.53	0.36	-4.56	-18.02	-10.29	-4.35	-31.52	
330	-4.34	-0.83	-0.54	-2.56	-3.43	-2.07	0.38	-0.35	-6.08	-11.64	-6.78	-2.1	-31.52	
360	-19.18	0.84	1.29	-0.54	-2.58	-1.92	-0.38	-1.45	-6.39	-10.16	-7.46	-1.56	-31.52	

Polarization	Phi	Channel			15			Freq			5830			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	0.87	-22.84	-20.68	-19.52	-18.78	-21.84	-20.01	-23.73	-26.04	-17.98	-24.98	-26.66	-26.66	
30	0.13	-5.64	-4.5	-3.11	-3.91	-5.06	-6.71	-7.33	-9.72	-10.39	-6.13	-4.6	-26.66	
60	-3.83	-0.65	-0.54	0.67	0.26	-0.69	-3.36	-4.77	-5.4	-5.81	-2.58	-0.17	-26.66	
90	-19.95	0.65	0.72	0.15	-0.63	-2.87	-7.22	-13.4	-7.73	-4.45	-1.71	-0.12	-26.66	
120	-6.37	0.32	0.27	-0.57	-1.87	-2.7	-6.09	-11.15	-13.85	-7.47	-3.64	-2.08	-26.66	
150	-0.78	-4.24	-3.52	-3.82	-5.1	-6.33	-8.05	-12.17	-16.49	-14.18	-10.85	-8.13	-26.66	
180	0.59	-21.51	-18.54	-19.15	-19.44	-20.07	-23.11	-22.22	-22.51	-29.74	-24.79	-23.54	-26.66	
210	-0.09	-6.42	-7.02	-6.16	-6.93	-9.14	-11.34	-26.85	-19.46	-10.43	-7.93	-5.72	-26.66	
240	-4.33	-0.8	-0.84	-1.6	-2.92	-5.37	-9.77	-15.75	-6.06	-3.26	-2.29	-1.35	-26.66	
270	-19.17	0.93	0.06	-0.43	-1.58	-6.2	-15.24	-7.32	-2.57	-1.5	-0.21	0.11	-26.66	
300	-6.76	0.24	0.12	1.19	0.26	-1.25	-5.22	-5.1	-3.3	-3.46	-2.11	-0.17	-26.66	
330	-0.97	-3.91	-2.63	-1.5	-2.13	-3.77	-5.51	-8.63	-9.11	-11.65	-9.82	-6.58	-26.66	
360	0.87	-22.84	-20.68	-19.52	-18.78	-21.84	-20.01	-23.73	-26.04	-17.98	-24.98	-26.66	-26.66	

Polarization	Total	Channel			15			Freq			5830			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	0.92	0.86	1.31	-0.48	-2.48	-1.88	-0.33	-1.42	-6.34	-9.49	-7.38	-1.55	-1.55	
30	0.94	0.77	1.22	0.82	-0.59	-0.99	1.09	0.33	-2.62	-7.65	-4.28	-0.41	-1.55	
60	0.83	0.67	0.48	1.62	1.22	1.56	1.84	1.16	-0.56	-4.5	-2.33	0.25	-1.55	
90	0.89	0.7	0.94	1.01	0.85	-0.31	-2.26	-2.19	-1.84	-2.87	-1.39	0	-1.55	
120	1	1.41	1.65	1.45	1.1	-0.21	-2.96	-5.76	-5.18	-3.41	-2	-0.25	-1.55	
150	0.96	1.29	1.86	1.69	0.69	-0.24	-1.98	-3.49	-5.62	-3.79	-3.57	-0.79	-1.55	
180	0.63	1.4	1.73	1.7	-0.42	-0.97	-2.45	-3.22	-5.07	-3.9	-3.63	-0.51	-1.55	
210	0.83	1.43	1.66	1.59	0.21	-0.35	-2.95	-4.08	-4.47	-2.82	-2.85	-0.33	-1.55	
240	0.8	1.24	1.4	1.36	0.62	-1.33	-3.42	-4.85	-1.66	-1.28	-1.23	-0.22	-1.55	
270	0.62	1.15	0.65	0.88	0.64	-0.66	-1.92	-0.02	-0.24	-0.99	-0.19	0.11	-1.55	
300	0.75	1.08	0.89	1.85	1.64	1.95	2.37	1.45	-0.87	-3.31	-1.49	1.23	-1.55	
330	0.67	0.91	1.55	1.01	0.28	0.17	1.38	0.25	-4.33	-8.63	-5.02	-0.78	-1.55	
360	0.92	0.86	1.31	-0.48	-2.48	-1.88	-0.33	-1.42	-6.34	-9.49	-7.38	-1.55	-1.55	

Polarization	Theta	Channel			16			Freq			5850			
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-20.9	1.01	0.95	-0.76	-2.7	-2.07	-0.38	-1.56	-6.41	-10.24	-7.34	-1.75	-29.73	
30	-6.68	-0.16	-0.71	-1.67	-3.19	-3.69	-0.11	-0.25	-3.89	-10.9	-8.86	-2.61	-29.73	
60	-0.9	-4.79	-6.76	-5.7	-5.64	-2.88	0.07	-0.12	-2.59	-10.48	-14.78	-10.02	-29.73	
90	0.87	-17.27	-12.5	-6.74	-4.79	-3.87	-4.18	-2.3	-3.93	-8.28	-13.32	-15.32	-29.73	
120	-0.03	-5.32	-4.55	-2.69	-2.07	-3.64	-4.95	-7.06	-5.79	-6.05	-7.17	-4.79	-29.73	
150	-4.46	-0.25	0.05	0.37	-0.95	-1.26	-3.06	-4.04	-5.34	-3.78	-4.2	-1.75	-29.73	
180	-21.04	1.16	1.48	1.72	-0.33	-1.13	-2.32	-2.96	-4.41	-3.92	-3.38	-0.72	-29.73	
210	-6.42	0.43	0.91	1.09	-0.55	-1.32	-3.53	-3.78	-4.44	-3.94	-4.63	-1.82	-29.73	
240	-0.89	-2.58	-2.52	-1.62	-1.95	-3.58	-4.13	-5.16	-3.23	-5.39	-7.67	-6.73	-29.73	
270	0.66	-11.91	-8.05	-5.02	-3.87	-2.22	-2.19	-0.86	-4.13	-10.64	-23.1	-29.73	-29.73	
300	-0.04	-6.58	-7.31	-6.66	-4.28	-0.76	1.37	0.35	-4.65	-19.14	-10.25	-4.64	-29.73	
330	-4.14	-0.85	-1.39	-2.66	-3.63	-2.68	0.22	-0.21	-5.65	-11.79	-6.62	-2.09	-29.73	
360	-20.9	1.01	0.95	-0.76	-2.7	-2.07	-0.38	-1.56	-6.41	-10.24	-7.34	-1.75	-29.73	

Polarization	Phi	Channel			16			Freq			5850			
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PCB Printing Antenna
 Antenna #1
 [TX-On-board antenna-A]

Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	0.91	-23.44	-20.61	-19.64	-18.69	-22.88	-20.33	-23.6	-25.07	-18.32	-26.05	-25.36	-25.36
30	0.01	-5.5	-4.79	-3.39	-4.05	-4.49	-6.96	-7.56	-9.71	-10.4	-6.19	-4.33	-25.36
60	-4.42	-0.72	-0.26	0.42	0.19	-0.82	-4.16	-4.45	-5.31	-5.18	-2.71	-0.22	-25.36
90	-21	0.79	0.43	-0.26	-0.77	-2.68	-7.01	-13.71	-7.92	-4.59	-1.87	0	-25.36
120	-6.38	-0.12	0.1	-0.55	-1.92	-2.71	-5.75	-11.32	-14.02	-7.44	-4.08	-2.21	-25.36
150	-0.85	-4.75	-3.91	-3.78	-4.91	-6.36	-8.26	-12.65	-16.34	-14.05	-11.05	-8.04	-25.36
180	0.7	-25.86	-18.82	-19.45	-18.7	-20.02	-24.2	-23.71	-21.44	-30.87	-25.61	-23.98	-25.36
210	0	-6.03	-7.12	-6.1	-6.8	-9.07	-11.02	-25.38	-19.97	-10.82	-8.07	-6.24	-25.36
240	-4.1	-0.59	-1.05	-1.71	-3.07	-4.8	-9.5	-16.46	-7	-3.75	-2.66	-1.38	-25.36
270	-20.86	1.11	0.01	-0.79	-1.54	-6.04	-14.73	-7.48	-2.66	-1.35	-0.32	0.29	-25.36
300	-6.64	0.14	0.01	1.05	0.27	-1.47	-5.31	-4.85	-3.49	-3.26	-2.21	-0.18	-25.36
330	-0.86	-3.71	-3	-1.58	-2.06	-3.71	-5.7	-8.57	-9.25	-11.42	-9.7	-6.97	-25.36
360	0.91	-23.44	-20.61	-19.64	-18.69	-22.88	-20.33	-23.6	-25.07	-18.32	-26.05	-25.36	-25.36

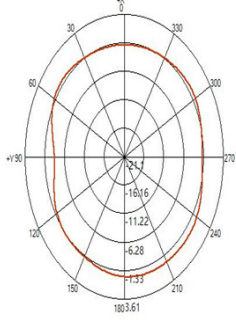
Polarization	Total	Channel			16			Freq			5850		
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	0.94	1.02	0.98	-0.7	-2.59	-2.03	-0.33	-1.54	-6.35	-9.61	-7.28	-1.74	-1.74
30	0.86	0.95	0.72	0.57	-0.59	-1.06	0.71	0.49	-2.88	-7.64	-4.31	-0.38	-1.74
60	0.7	0.72	0.62	1.37	1.2	1.29	1.46	1.24	-0.73	-4.06	-2.45	0.21	-1.74
90	0.9	0.86	0.65	0.62	0.68	-0.22	-2.36	-2	-2.47	-3.05	-1.57	0.13	-1.74
120	0.88	1.03	1.38	1.52	1.02	-0.14	-2.32	-5.68	-5.18	-3.68	-2.35	-0.3	-1.74
150	0.72	1.07	1.52	1.79	0.52	-0.09	-1.91	-3.48	-5.01	-3.39	-3.39	-0.84	-1.74
180	0.73	1.17	1.52	1.76	-0.26	-1.07	-2.29	-2.93	-4.32	-3.91	-3.36	-0.7	-1.74
210	0.9	1.31	1.55	1.85	0.38	-0.64	-2.81	-3.75	-4.32	-3.13	-3.01	-0.48	-1.74
240	0.81	1.54	1.29	1.35	0.54	-1.13	-3.02	-4.85	-1.71	-1.49	-1.47	-0.27	-1.74
270	0.69	1.33	0.64	0.6	0.46	-0.71	-1.95	-0.01	-0.32	-0.87	-0.3	0.3	-1.74
300	0.82	0.98	0.75	1.73	1.57	1.91	2.22	1.49	-1.02	-3.15	-1.58	1.15	-1.74
330	0.82	0.96	0.89	0.92	0.24	-0.15	1.21	0.38	-4.08	-8.59	-4.88	-0.87	-1.74
360	0.94	1.02	0.98	-0.7	-2.59	-2.03	-0.33	-1.54	-6.35	-9.61	-7.28	-1.74	-1.74

PCB Printing Antenna
Antenna #2
[TX-On-board antenna-B]

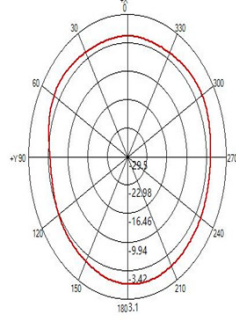
Freq(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
5150	3.57	-1.620610248	68.85555373
5170	3.35	-1.705411393	67.52410875
5190	3.42	-1.719793991	67.30085799
5210	3.69	-1.506519844	70.68837784
5230	4.00	-1.44564984	71.68611028
5250	3.94	-1.475517561	71.19479501
5450	3.32	-1.462480565	71.40883429
5470	3.48	-1.319764569	73.79442329
5490	3.37	-1.42250919	72.06909707
5500	3.42	-1.478805487	71.14091575
5750	3.98	-0.83543452	82.50049381
5770	4.05	-0.979032386	79.81725015
5790	3.79	-1.069318652	78.17504409
5810	3.94	-0.984027846	79.72549336
5830	4.20	-0.891460129	81.44304207
5850	4.09	-0.961562642	80.13896622

PCB Printing Antenna Antenna #2 [TX-On-board antenna-B]

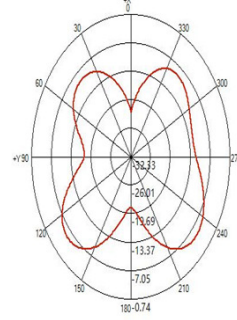
Channel M05: 1.18 ZV-Plane Max (dBi): -9.3915 Ave (dBi): -13.7066 Min(dBi): -17.4912
ZV-Plane Total



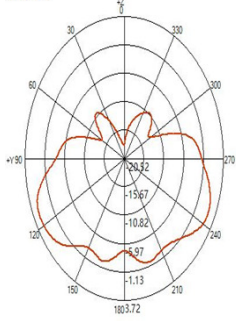
Channel M05: 1.18 ZV-Plane Max (dBi): -9.2113 Ave (dBi): -14.0102 Min(dBi): -17.1213
ZV-Plane Theta



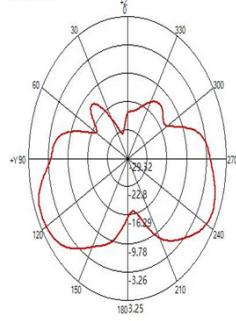
Channel M05: 1.18 ZV-Plane Max (dBi): -9.7874 Ave (dBi): -19.1949 Min(dBi): -24.2197
ZV-Plane Phi



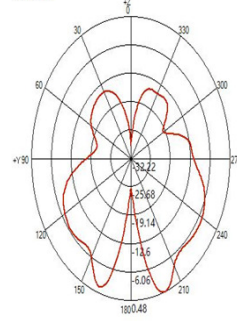
Channel M05: 1.18 ZV-Plane Max (dBi): -2.3695 Ave (dBi): -2.1608 Min(dBi): -11.1113
ZV-Plane Total



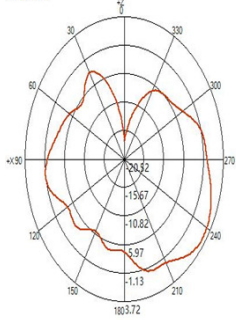
Channel M05: 1.18 ZV-Plane Max (dBi): 1.7876 Ave (dBi): -0.1113 Min(dBi): -31.2415
ZV-Plane Theta



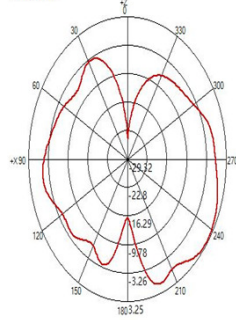
Channel M05: 1.18 ZV-Plane Max (dBi): -2.2811 Ave (dBi): -1.4124 Min(dBi): -21.1181
ZV-Plane Phi



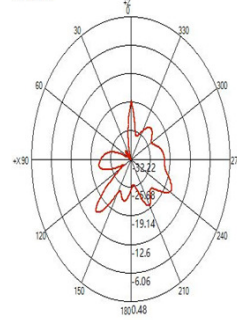
Channel M05: 1.18 ZV-Plane Max (dBi): 2.731977 Ave (dBi): -2.4714 Min(dBi): -12.1672
ZV-Plane Total



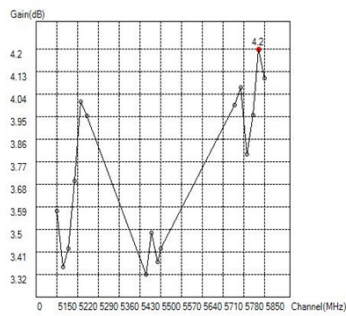
Channel M05: 1.18 ZV-Plane Max (dBi): 2.71676 Ave (dBi): -2.4497 Min(dBi): -24.1471
ZV-Plane Theta



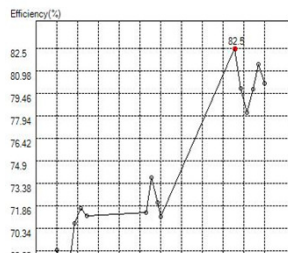
Channel M05: 1.18 ZV-Plane Max (dBi): -15.7116 Ave (dBi): -21.1919 Min(dBi): -13.2043
ZV-Plane Phi



Plot:Phi

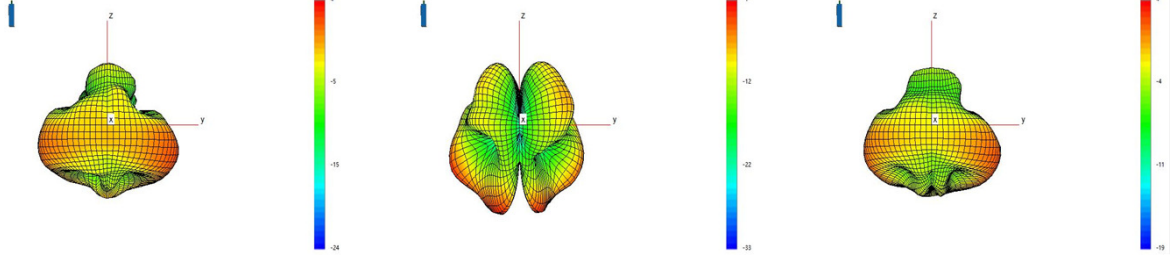


Plot:Theta,Phi

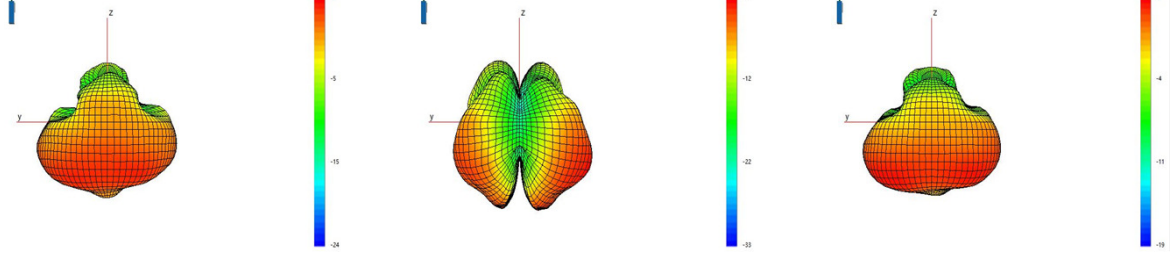


PCB Printing Antenna
Antenna #2
[TX-On-board antenna-B]

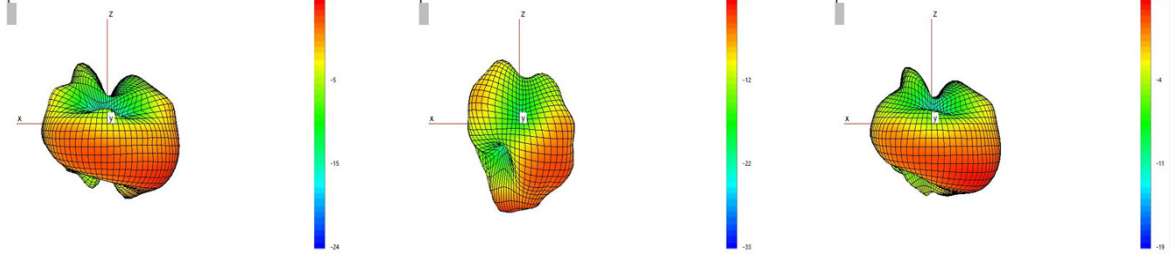
Channel(MHz) 5150 X-



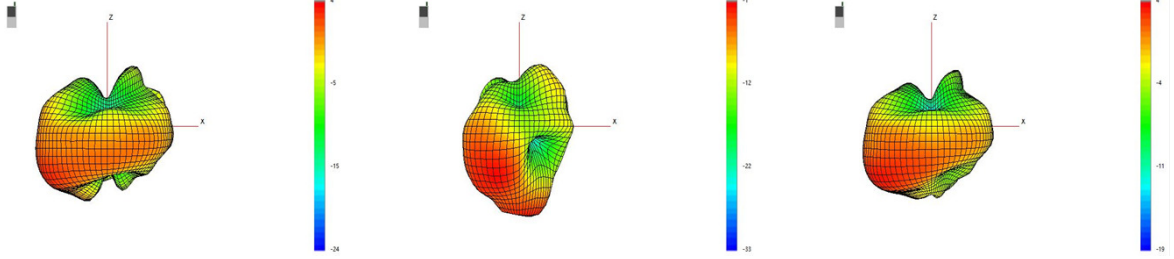
Channel(MHz) 5150 X+



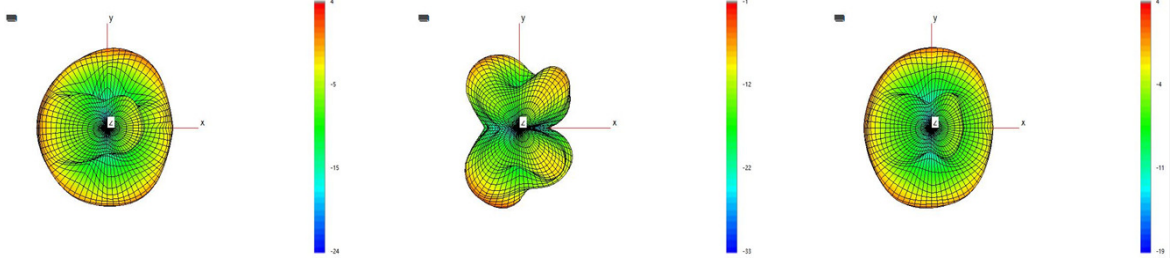
Channel(MHz) 5150 Y-



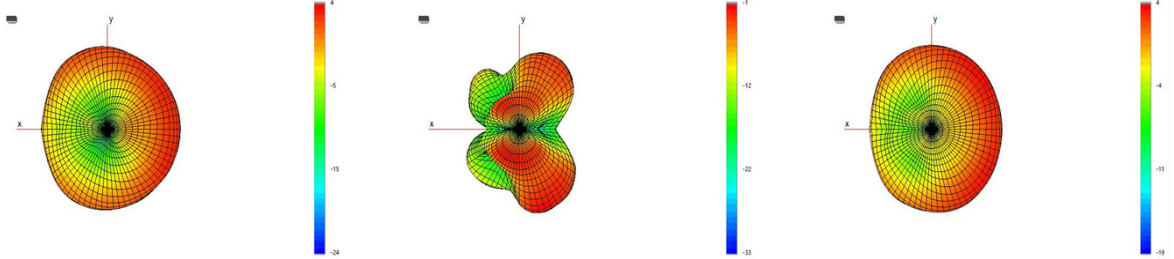
Channel(MHz) 5150 Y+



Channel(MHz) 5150 Z-



Channel(MHz) 5150 Z+



PCB Printing Antenna
 Antenna #2
 [TX-On-board antenna-B]

Polarization	Theta	Channel 1				Freq 5150								
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-24.55	-8.38	-3.43	-6.23	-4.97	-3.6	-1.64	-1.44	-4.39	-4.42	-6.48	-4.79	-15.88	
30	-21.55	-10.41	-4.64	-6.97	-7.98	-5.02	-1.67	-0.5	-1.77	-4.89	-5.83	-5.87	-15.88	
60	-19.78	-15.67	-9.38	-8.37	-21.73	-10.95	-1.28	1.43	0.96	-3.21	-8.27	-11.4	-15.88	
90	-18.54	-23.24	-18.71	-12.18	-17.27	-7.14	-3.82	0.96	1.79	-0.56	-5.88	-9.75	-15.88	
120	-20.17	-19.29	-15.26	-11.79	-10.68	-16.31	-3.13	-0.45	2.34	1.45	-3.1	-5.31	-15.88	
150	-23.64	-14.78	-9.93	-7.55	-5.3	-3.53	-1.82	0.64	2.83	2.61	-0.39	-2.07	-15.88	
180	-29.32	-12.4	-7.09	-5.78	-4.09	-1.13	-0.29	1.5	2.72	2.19	-0.2	-0.91	-15.88	
210	-26.85	-12.81	-8.17	-7.1	-4.43	-3.22	-0.68	0.6	3.04	1.85	-1.65	-2.05	-15.88	
240	-22.64	-15.11	-12.03	-10.58	-11.2	-11.02	-1.66	0.38	1.52	-0.19	-5.23	-6.31	-15.88	
270	-21.13	-17.58	-14.24	-13.11	-14.27	-5.44	-2.04	0.6	0.69	-3.39	-8.28	-15.88	-15.88	
300	-22.33	-14.23	-8.49	-11.62	-10.79	-6.67	-1.09	0.73	-1.18	-4.93	-11.32	-14.54	-15.88	
330	-25.59	-9.9	-4.89	-8.68	-7.27	-3.26	-1.82	-0.88	-2.77	-4.03	-7.56	-7.52	-15.88	
360	-24.55	-8.38	-3.43	-6.23	-4.97	-3.6	-1.64	-1.44	-4.39	-4.42	-6.48	-4.79	-15.88	

Polarization	Phi	Channel 1				Freq 5150								
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-18.54	-30.26	-31.7	-29.7	-32.09	-25.68	-22.22	-23.2	-28.96	-15.78	-23.27	-22.43	-25.23	
30	-20.17	-15.23	-11.81	-12.02	-9.72	-10.36	-10.37	-11.35	-14.23	-17.12	-7.43	-5.37	-25.23	
60	-23.64	-13.57	-9.22	-8.55	-8.81	-8.37	-11.08	-13.81	-19.65	-23.79	-8.85	-2.35	-25.23	
90	-29.32	-18.43	-14.37	-14.92	-17.1	-20.62	-17.32	-10.09	-6.99	-6.56	-6	-3.17	-25.23	
120	-26.85	-22.67	-15.01	-14.06	-13.52	-10.81	-6.91	-4.18	-3.12	-4.12	-4.43	-3.97	-25.23	
150	-22.64	-20.23	-14.47	-12.17	-12.24	-12.31	-9.23	-9.28	-5.85	-6.59	-8.43	-9.31	-25.23	
180	-21.13	-26.2	-24.64	-22.49	-24.34	-22.29	-21.09	-19.96	-17.34	-22.8	-20	-25.23	-25.23	
210	-22.33	-32.14	-19.28	-15.37	-14.14	-12.98	-9.07	-7.65	-5.82	-6.42	-7.44	-7.14	-25.23	
240	-25.59	-21.62	-16.08	-13.5	-12.79	-8.35	-5.8	-3.06	-1.97	-2.53	-3.86	-3.08	-25.23	
270	-24.55	-16.53	-14.86	-15.13	-19.83	-13.51	-11.51	-7.33	-5.08	-5.24	-3.73	-2.29	-25.23	
300	-21.55	-14.18	-9.93	-9.24	-10.47	-11.05	-10.82	-19.36	-28.37	-14.34	-5.66	-1.79	-25.23	
330	-19.78	-17.23	-11.49	-10.96	-10.24	-11.61	-9.58	-12.65	-14.15	-11.9	-6.41	-4.82	-25.23	
360	-18.54	-30.26	-31.7	-29.7	-32.09	-25.68	-22.22	-23.2	-28.96	-15.78	-23.27	-22.43	-25.23	

Polarization	Total	Channel 1				Freq 5150								
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-17.57	-8.35	-3.43	-6.21	-4.96	-3.57	-1.6	-1.41	-4.38	-4.11	-6.39	-4.72	-4.72	
30	-17.79	-9.17	-3.88	-5.79	-5.75	-3.91	-1.12	-0.16	-1.53	-4.64	-3.55	-2.6	-4.72	
60	-18.28	-11.48	-6.29	-5.45	-8.6	-6.46	-0.85	1.56	0.99	-3.17	-5.54	-1.84	-4.72	
90	-18.19	-17.19	-13.01	-10.33	-14.17	-6.95	-3.63	1.29	2.33	0.41	-2.93	-2.31	-4.72	
120	-19.32	-17.65	-12.13	-9.77	-8.86	-9.74	-1.61	1.08	3.42	2.51	-0.71	-1.58	-4.72	
150	-20.1	-13.69	-8.62	-6.26	-4.5	-2.99	-1.1	1.06	3.38	3.1	0.24	-1.32	-4.72	
180	-20.52	-12.22	-7.02	-5.69	-4.05	-1.1	-0.26	1.53	2.76	2.2	-0.16	-0.9	-4.72	
210	-21.01	-12.76	-7.85	-6.5	-3.99	-2.78	-0.09	1.2	3.57	2.45	-0.64	-0.88	-4.72	
240	-20.86	-14.24	-10.59	-8.79	-8.91	-6.48	-0.24	2	3.12	1.8	-1.48	-1.39	-4.72	
270	-19.5	-14.01	-11.53	-11	-13.2	-4.81	-1.58	1.25	1.71	-1.21	-2.43	-2.1	-4.72	
300	-18.91	-11.19	-6.14	-7.26	-7.62	-5.32	-0.65	0.77	-1.17	-4.46	-4.62	-1.56	-4.72	
330	-18.77	-9.16	-4.03	-6.66	-5.49	-2.67	-1.15	-0.6	-2.47	-3.37	-3.94	-2.95	-4.72	
360	-17.57	-8.35	-3.43	-6.21	-4.96	-3.57	-1.6	-1.41	-4.38	-4.11	-6.39	-4.72	-4.72	

Polarization	Theta	Channel 2				Freq 5170								
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-27.87	-7.5	-3.77	-5.82	-4.84	-3.72	-1.57	-1.61	-4.3	-4.13	-7.01	-4.99	-15.46	
30	-22	-9.35	-5.17	-6.22	-8.5	-5.61	-1.97	-0.5	-1.44	-4.65	-5.77	-5.93	-15.46	
60	-20.26	-14.34	-10.24	-8	-20.79	-11.93	-1.55	1.24	0.84	-3.13	-8.67	-11.35	-15.46	
90	-20.02	-21.79	-18.14	-11.88	-15.7	-7.96	-3.67	0.68	1.68	-0.75	-6.19	-10.16	-15.46	
120	-21.33	-18.87	-13.96	-11.64	-10.64	-15.92	-3.35	-0.63	2.08	1.36	-3.12	-5.18	-15.46	
150	-24.03	-14.09	-8.18	-7.77	-6.08	-3.06	-2.26	0.5	2.76	2.52	-0.33	-2.18	-15.46	
180	-25.1	-11.24	-6.27	-6.21	-4.41	-1.09	-0.49	1.35	2.49	2.13	-0.14	-0.95	-15.46	
210	-24.1	-11.73	-7.67	-7.29	-4.74	-2.91	-0.92	0.64	2.8	1.75	-1.37	-2.06	-15.46	
240	-24.15	-13.97	-11.99	-10.87	-10.66	-11.1	-1.52	0.03	1.42	-0.21	-5.07	-5.98	-15.46	
270	-27.13	-16.34	-14.7	-13.28	-14.35	-5.79	-1.92	0.47	0.48	-3.31	-8.82	-15.46	-15.46	
300	-32.13	-12.92	-9.16	-11.61	-11.08	-7.22	-0.92	0.76	-1.18	-4.96	-11.39	-14.69	-15.46	
330	-44.84	-8.94	-5.61	-8.27	-7.43	-3.71	-1.96	-0.85	-2.77	-4.05	-7.9	-7.78	-15.46	
360	-27.87	-7.5	-3.77	-5.82	-4.84	-3.72	-1.57	-1.61	-4.3	-4.13	-7.01	-4.99	-15.46	

PCB Printing Antenna
 Antenna #2
 [TX-On-board antenna-B]

Polarization	Phi	Channel 2				Freq 5170							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-20	-30.69	-30.9	-34.81	-25.86	-26.6	-24.17	-22.97	-25.42	-16.4	-23.42	-22.81	-24.63
30	-21.31	-15.05	-11.93	-11.27	-9.29	-10.36	-10.55	-11.28	-14.95	-17.17	-8.02	-5.39	-24.63
60	-24.01	-13.26	-9.72	-7.87	-8.94	-8.05	-11.53	-13.66	-20.73	-24.46	-9.22	-2.1	-24.63
90	-25.08	-17.85	-14.98	-13.97	-16.95	-21.22	-16.53	-9.88	-7.11	-6.35	-5.99	-3.24	-24.63
120	-24.08	-23.79	-14	-14.64	-13.42	-10.93	-7.54	-4.43	-3.04	-3.64	-4.4	-3.98	-24.63
150	-24.13	-20.69	-13.61	-12.53	-12.08	-12.19	-9.28	-9.01	-5.84	-7.18	-7.88	-9	-24.63
180	-27.11	-26.53	-22.42	-22.92	-23.54	-22.54	-21.49	-20.17	-16.9	-22.67	-20.02	-24.63	-24.63
210	-32.11	-30.41	-21.14	-15.51	-14.74	-13.11	-9.01	-7.63	-5.92	-6.09	-7.55	-7.19	-24.63
240	-44.82	-21.48	-16.59	-13.97	-13.36	-8.57	-5.63	-3.04	-2.12	-2.67	-3.64	-3.02	-24.63
270	-27.85	-16.79	-14.83	-15.68	-21.53	-13.83	-11.49	-7.53	-5.44	-5.58	-3.66	-2.28	-24.63
300	-21.98	-14.43	-9.99	-9.42	-10.8	-10.7	-11.05	-19.75	-33.75	-14.38	-6	-1.87	-24.63
330	-20.24	-17.7	-11.41	-11.08	-10.74	-11.42	-9.8	-12.92	-13.52	-12.12	-6.43	-5.13	-24.63
360	-20	-30.69	-30.9	-34.81	-25.86	-26.6	-24.17	-22.97	-25.42	-16.4	-23.42	-22.81	-24.63

Polarization	Total	Channel 2				Freq 5170							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-19.34	-7.48	-3.76	-5.82	-4.81	-3.7	-1.54	-1.58	-4.27	-3.88	-6.91	-4.92	-4.92
30	-18.63	-8.31	-4.34	-5.04	-5.87	-4.36	-1.4	-0.15	-1.25	-4.41	-3.74	-2.64	-4.92
60	-18.73	-10.75	-6.96	-4.92	-8.67	-6.56	-1.13	1.38	0.87	-3.09	-5.93	-1.61	-4.92
90	-18.84	-16.38	-13.27	-9.79	-13.27	-7.76	-3.45	1.05	2.22	0.31	-3.08	-2.44	-4.92
120	-19.48	-17.66	-10.97	-9.88	-8.8	-9.74	-1.95	0.88	3.24	2.56	-0.7	-1.53	-4.92
150	-21.07	-13.23	-7.08	-6.52	-5.11	-2.56	-1.47	0.96	3.32	2.97	0.37	-1.36	-4.92
180	-22.98	-11.11	-6.16	-6.12	-4.36	-1.06	-0.45	1.38	2.54	2.15	-0.1	-0.93	-4.92
210	-23.46	-11.67	-7.48	-6.68	-4.33	-2.51	-0.29	1.24	3.35	2.41	-0.43	-0.9	-4.92
240	-24.11	-13.26	-10.69	-9.14	-8.8	-6.64	-0.09	1.77	3.01	1.75	-1.29	-1.24	-4.92
270	-24.46	-13.55	-11.75	-11.31	-13.59	-5.16	-1.46	1.11	1.47	-1.28	-2.5	-2.08	-4.92
300	-21.58	-10.6	-6.54	-7.37	-7.93	-5.61	-0.51	0.8	-1.18	-4.49	-4.9	-1.65	-4.92
330	-20.23	-8.4	-4.59	-6.44	-5.77	-3.03	-1.3	-0.59	-2.42	-3.42	-4.09	-3.25	-4.92
360	-19.34	-7.48	-3.76	-5.82	-4.81	-3.7	-1.54	-1.58	-4.27	-3.88	-6.91	-4.92	-4.92

Polarization	Theta	Channel 3				Freq 5190							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-31.44	-7.33	-3.96	-5.93	-5.85	-3.83	-1.67	-1.41	-4.25	-4.06	-7.12	-5.12	-15.07
30	-23.26	-8.81	-5.67	-6.54	-8.59	-5.62	-1.57	-0.47	-1.43	-4.62	-5.89	-5.96	-15.07
60	-20.77	-13.9	-10.64	-8.12	-20.38	-12.94	-1.15	1.33	0.76	-3.24	-8.55	-11.32	-15.07
90	-21.48	-22.04	-16.84	-12.34	-14.12	-8.02	-3.66	0.8	1.63	-0.61	-5.93	-9.66	-15.07
120	-22.48	-18.48	-12.65	-12.27	-9.96	-15.19	-3.76	-0.87	1.94	1.31	-3.04	-5.06	-15.07
150	-24.46	-13.38	-7.68	-7.94	-5.86	-3.06	-2.55	0.64	2.67	2.3	-0.4	-2.09	-15.07
180	-23.17	-10.59	-6.13	-6.38	-3.88	-0.73	-1.05	1.51	2.44	2.02	-0.01	-0.82	-15.07
210	-21.31	-10.98	-7.39	-7.52	-4.31	-2.64	-1.44	0.69	2.81	1.76	-1.47	-1.85	-15.07
240	-20.51	-13.41	-11.78	-11.18	-9.26	-11.2	-1.77	-0.14	1.23	-0.23	-5.29	-5.87	-15.07
270	-21.79	-15.64	-14.93	-13.9	-15.26	-6.04	-1.91	0.52	0.3	-3.26	-8.46	-15.07	-15.07
300	-24.74	-12.36	-9.82	-11.94	-12.23	-7.63	-0.99	0.87	-1.37	-5.06	-11.22	-14.73	-15.07
330	-30	-8.49	-5.5	-8.35	-8.56	-4.15	-1.8	-0.88	-2.51	-3.89	-7.68	-7.75	-15.07
360	-31.44	-7.33	-3.96	-5.93	-5.85	-3.83	-1.67	-1.41	-4.25	-4.06	-7.12	-5.12	-15.07

Polarization	Phi	Channel 3				Freq 5190							
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-21.48	-30	-30.29	-42.81	-22.05	-26.88	-25.78	-22.67	-24.06	-16.74	-23.21	-23.29	-24.71
30	-22.48	-15.35	-12.01	-10.17	-9.04	-10.25	-10.61	-11.29	-14.88	-17.34	-7.9	-5.58	-24.71
60	-24.46	-13.51	-10.32	-7.4	-8.16	-7.89	-12.02	-13.81	-21.64	-24.37	-9.76	-2.35	-24.71
90	-23.17	-18.26	-16.29	-12.85	-16.43	-21.7	-16.2	-10.04	-7.04	-6.29	-6.36	-3.31	-24.71
120	-21.31	-23.04	-13.25	-14.6	-13.32	-10.98	-6.74	-4.34	-3.09	-3.63	-4.57	-3.86	-24.71
150	-20.51	-20.2	-12.89	-12.52	-11.9	-12.1	-9.03	-9.44	-5.89	-6.65	-8.27	-8.81	-24.71
180	-21.79	-26.42	-20.77	-23.18	-22.46	-22.99	-22.08	-19.98	-16.79	-23.11	-20.54	-24.71	-24.71
210	-24.74	-28.32	-22.1	-15.6	-14.95	-13.26	-8.96	-7.47	-5.46	-6.06	-7.73	-7.4	-24.71
240	-30	-21.9	-16.36	-14.19	-13.38	-8.13	-5.47	-3.12	-2.03	-2.59	-3.81	-3.17	-24.71
270	-31.44	-18.03	-14.7	-15.83	-22.12	-14.14	-11.58	-7.53	-5.25	-5.48	-3.59	-2.33	-24.71
300	-23.26	-15.38	-10.15	-9.49	-10.3	-10.44	-11.46	-19.5	-34.33	-14.35	-6.32	-1.97	-24.71
330	-20.77	-18.48	-11.55	-11.31	-10.38	-11.43	-10.32	-12.69	-12.72	-12.07	-6.48	-5.35	-24.71

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	360	-21.48	-30	-30.29	-42.81	-22.05	-26.88	-25.78	-22.67	-24.06	-16.74	-23.21	-23.29	-24.71	
Polarization	Total	Channel			3	Freq			5190						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-21.06	-7.31	-3.95	-5.93	-5.75	-3.81	-1.65	-1.38	-4.2	-3.83	-7.01	-5.06	-5.06		
30	-19.84	-7.94	-4.76	-4.98	-5.8	-4.33	-1.06	-0.13	-1.23	-4.39	-3.76	-2.76	-5.06		
60	-19.22	-10.69	-7.47	-4.74	-7.91	-6.71	-0.81	1.46	0.79	-3.2	-6.1	-1.83	-5.06		
90	-19.23	-16.74	-13.55	-9.58	-12.12	-7.84	-3.42	1.14	2.19	0.43	-3.12	-2.41	-5.06		
120	-18.85	-17.18	-9.93	-10.27	-8.32	-9.58	-1.99	0.74	3.13	2.52	-0.72	-1.41	-5.06		
150	-19.04	-12.56	-6.54	-6.64	-4.9	-2.55	-1.67	1.04	3.24	2.82	0.26	-1.25	-5.06		
180	-19.41	-10.48	-5.98	-6.29	-3.82	-0.7	-1.01	1.54	2.5	2.04	0.03	-0.81	-5.06		
210	-19.68	-10.9	-7.25	-6.89	-3.95	-2.28	-0.73	1.3	3.42	2.43	-0.54	-0.79	-5.06		
240	-20.05	-12.83	-10.48	-9.42	-7.84	-6.39	-0.23	1.63	2.91	1.76	-1.47	-1.3	-5.06		
270	-21.34	-13.66	-11.8	-11.75	-14.45	-5.41	-1.46	1.15	1.37	-1.22	-2.36	-2.11	-5.06		
300	-20.93	-10.6	-6.97	-7.53	-8.15	-5.8	-0.61	0.91	-1.36	-4.57	-5.1	-1.75	-5.06		
330	-20.28	-8.07	-4.54	-6.57	-6.37	-3.4	-1.23	-0.61	-2.11	-3.27	-4.02	-3.38	-5.06		
360	-21.06	-7.31	-3.95	-5.93	-5.75	-3.81	-1.65	-1.38	-4.2	-3.83	-7.01	-5.06	-5.06		
Polarization	Theta	Channel			4	Freq			5210						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-29.04	-6.95	-3.72	-5.64	-6.13	-3.39	-0.84	-1.25	-3.83	-3.71	-6.66	-5.03	-14.81		
30	-24.65	-8.81	-5.28	-6.48	-9.55	-5.76	-1.18	-0.31	-1.4	-4.18	-5.83	-5.58	-14.81		
60	-22.32	-14.37	-10.12	-8.3	-20.61	-13.7	-0.78	1.63	0.88	-2.81	-8.89	-11.08	-14.81		
90	-22.83	-23	-15.25	-13.07	-12.9	-8.68	-3.97	0.95	1.73	-0.34	-5.91	-9.17	-14.81		
120	-24.42	-18.49	-11.91	-12.89	-8.88	-14.02	-4.5	-0.9	2.36	1.45	-2.85	-5.02	-14.81		
150	-25.15	-13.14	-7.34	-7.75	-4.97	-2.79	-2.67	0.75	3.02	2.7	0.01	-1.94	-14.81		
180	-22.42	-10.57	-5.53	-6.14	-3.04	-0.47	-1.01	1.65	2.68	2.27	0.08	-0.7	-14.81		
210	-19.82	-10.84	-7.04	-7.55	-3.39	-2.51	-1.56	0.93	3.09	2.02	-1.33	-1.72	-14.81		
240	-18.64	-13.62	-11.49	-10.76	-7.8	-10.91	-2.11	-0.07	1.58	0.11	-4.69	-5.56	-14.81		
270	-18.48	-15.73	-14.65	-13.76	-16.67	-5.85	-2.28	0.5	0.47	-3.13	-7.85	-14.25	-14.81		
300	-20.87	-12.05	-9.88	-12.05	-14.36	-7.28	-0.73	1	-1.06	-4.45	-10.63	-14.81	-14.81		
330	-24.65	-8.32	-4.95	-8.41	-9.32	-3.92	-1.22	-0.58	-2.47	-3.7	-7.58	-7.78	-14.81		
360	-29.04	-6.95	-3.72	-5.64	-6.13	-3.39	-0.84	-1.25	-3.83	-3.71	-6.66	-5.03	-14.81		
Polarization	Phi	Channel			4	Freq			5210						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-22.85	-30.52	-32.2	-30.93	-19.96	-27.4	-26.86	-22.1	-23.46	-16.49	-23.08	-23.02	-23.9		
30	-24.44	-15.52	-12.4	-9.28	-9.02	-9.65	-10.17	-10.76	-14.83	-17.55	-7.95	-5.39	-23.9		
60	-25.17	-13.76	-10.95	-7	-8.13	-7.46	-11.74	-13.15	-22.01	-24.75	-9.65	-2.1	-23.9		
90	-22.44	-19.22	-19.14	-12.35	-15.76	-21.78	-16.58	-10.16	-6.97	-6.16	-5.46	-2.9	-23.9		
120	-19.84	-22.37	-13.12	-13.43	-13.07	-10.72	-6.6	-4.41	-2.76	-3.48	-3.96	-3.65	-23.9		
150	-18.66	-19.45	-12.45	-11.8	-11.63	-11.63	-8.56	-8.75	-5.68	-6.47	-7.94	-8.68	-23.9		
180	-18.5	-25.3	-19.82	-22.91	-21.44	-22.45	-21.79	-19.89	-16.9	-22.92	-20.17	-23.9	-23.9		
210	-20.89	-29.21	-22.11	-15.36	-14.85	-12.95	-8.67	-7.18	-5.24	-5.82	-7.32	-7.19	-23.9		
240	-24.67	-23.1	-16.26	-13.9	-12.89	-8.49	-5.36	-2.9	-1.92	-2.51	-3.36	-2.93	-23.9		
270	-29.06	-20.42	-14.87	-15.38	-20.51	-13.98	-11.56	-7.3	-5.31	-5.26	-3.37	-2.23	-23.9		
300	-24.67	-16.2	-10.15	-9.24	-9.16	-9.88	-11.56	-19.55	-27.75	-14.47	-6.18	-1.6	-23.9		
330	-22.34	-19.05	-11.7	-11.27	-9.17	-11.17	-10.37	-12.48	-11.9	-11.78	-6.49	-5.12	-23.9		
360	-22.85	-30.52	-32.2	-30.93	-19.96	-27.4	-26.86	-22.1	-23.46	-16.49	-23.08	-23.02	-23.9		
Polarization	Total	Channel			4	Freq			5210						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180		
0	-21.91	-6.93	-3.72	-5.63	-5.95	-3.37	-0.82	-1.21	-3.78	-3.49	-6.57	-4.96	-4.96		
30	-21.53	-7.97	-4.51	-4.65	-6.26	-4.27	-0.66	0.07	-1.21	-3.99	-3.75	-2.47	-4.96		
60	-20.51	-11.04	-7.51	-4.59	-7.89	-6.53	-0.44	1.77	0.9	-2.79	-6.25	-1.59	-4.96		
90	-19.62	-17.7	-13.76	-9.69	-11.09	-8.47	-3.73	1.28	2.28	0.67	-2.67	-1.98	-4.96		
120	-18.54	-17	-9.46	-10.14	-7.48	-9.05	-2.41	0.7	3.52	2.66	-0.36	-1.27	-4.96		
150	-17.78	-12.23	-6.17	-6.31	-4.12	-2.25	-1.67	1.21	3.57	3.19	0.65	-1.1	-4.96		
180	-17.02	-10.43	-5.37	-6.05	-2.98	-0.44	-0.97	1.68	2.73	2.28	0.12	-0.67	-4.96		
210	-17.31	-10.78	-6.91	-6.89	-3.09	-2.13	-0.78	1.56	3.69	2.68	-0.36	-0.63	-4.96		
240	-17.67	-13.16	-10.24	-9.04	-6.63	-6.52	-0.42	1.75	3.18	2	-0.97	-1.04	-4.96		
270	-18.12	-14.46	-11.75	-11.49	-15.17	-5.23	-1.79	1.17	1.49	-1.06	-2.05	-1.97	-4.96		
300	-19.36	-10.64	-7	-7.41	-8.01	-5.37	-0.38	1.04	-1.05	-4.04	-4.85	-1.4	-4.96		

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 [TX-On-board antenna-B]

330	-20.33	-7.97	-4.12	-6.6	-6.23	-3.17	-0.72	-0.31	-2	-3.08	-3.99	-3.24	-4.96
360	-21.91	-6.93	-3.72	-5.63	-5.95	-3.37	-0.82	-1.21	-3.78	-3.49	-6.57	-4.96	-4.96

Polarization	Theta	Channel			5		Freq		5230					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-25.84	-7.84	-3.1	-5.98	-6.3	-3.25	-0.74	-1.23	-4.08	-3.66	-6.32	-4.76	-15.09	
30	-25.54	-9.6	-4.52	-6.55	-9.49	-5.99	-1.19	-0.28	-1.31	-3.7	-6.07	-5.99	-15.09	
60	-25.34	-15.66	-9.32	-8.42	-20.49	-14.36	-1.01	1.44	0.83	-2.77	-8.53	-10.92	-15.09	
90	-28.76	-24.26	-14.27	-13.82	-12.35	-9.08	-4.56	0.69	1.88	-0.32	-5.75	-9.25	-15.09	
120	-31.43	-18.74	-11.65	-13.04	-8.11	-13.11	-5.08	-0.98	2.33	1.27	-2.64	-4.79	-15.09	
150	-27.39	-13.54	-7.16	-7.34	-4.43	-2.38	-2.51	0.91	3.32	2.66	0.04	-1.56	-15.09	
180	-23.93	-11.24	-5.99	-5.2	-2.49	-0.39	-0.94	1.72	2.8	2.28	0.32	-0.39	-15.09	
210	-21.39	-11.67	-7.4	-6.75	-3.01	-2.29	-1.64	1.04	3.35	2.09	-1.05	-1.35	-15.09	
240	-19.72	-14.44	-11.44	-10.11	-6.93	-10.76	-2.4	0.11	1.62	0.19	-4.42	-5.1	-15.09	
270	-19.33	-16.15	-14.14	-13.31	-19.11	-6.1	-2.47	0.49	0.62	-3.06	-8.05	-13.75	-15.09	
300	-21.69	-12.56	-9.39	-11.73	-17.4	-7.63	-0.69	0.97	-1.1	-4.75	-10.19	-15.09	-15.09	
330	-23.93	-8.78	-4.7	-8.46	-9.39	-3.97	-1.36	-0.69	-2.52	-3.67	-6.99	-7.83	-15.09	
360	-25.84	-7.84	-3.1	-5.98	-6.3	-3.25	-0.74	-1.23	-4.08	-3.66	-6.32	-4.76	-15.09	

Polarization	Phi	Channel			5		Freq		5230					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-28.76	-32.31	-32.18	-26.48	-19.6	-26.45	-25.16	-21.72	-25.6	-16.01	-23.17	-22.9	-23.99	
30	-31.43	-15.77	-12.57	-9.18	-9.33	-9.19	-9.86	-10.46	-13.79	-17.58	-7.39	-5.43	-23.99	
60	-27.39	-14.33	-11.29	-6.86	-8.46	-7	-11.35	-12.78	-20.58	-25.62	-9.6	-2.18	-23.99	
90	-23.93	-21.21	-24.35	-12.88	-15.37	-21.9	-17.55	-10.37	-6.98	-5.79	-5.79	-3.01	-23.99	
120	-21.39	-22.36	-13.98	-12.79	-12.57	-10.71	-6.49	-4.46	-2.76	-3.45	-3.94	-3.68	-23.99	
150	-19.72	-19.5	-13.16	-11.3	-11.45	-11.42	-8.46	-8.54	-5.82	-6.04	-7.72	-8.95	-23.99	
180	-19.33	-24.76	-20.63	-22.4	-21.07	-22.51	-21.85	-19.45	-16.99	-22.51	-19.84	-23.99	-23.99	
210	-21.69	-27.67	-21.1	-15.32	-14.18	-12.88	-8.66	-7.11	-4.61	-5.84	-6.96	-6.77	-23.99	
240	-23.93	-26.5	-16.25	-13.79	-12.35	-8.35	-5.66	-2.8	-1.75	-2.14	-3.31	-2.95	-23.99	
270	-25.84	-24.3	-15.11	-14.79	-18.79	-14.12	-11.99	-7.66	-5.15	-5.36	-3.58	-2.18	-23.99	
300	-25.54	-16.66	-10.19	-8.79	-8.42	-9.57	-11.21	-18.92	-25.48	-14.47	-5.54	-1.74	-23.99	
330	-25.34	-18.73	-11.81	-10.68	-8.19	-10.95	-10.21	-12.14	-11.96	-11.41	-6.23	-5.17	-23.99	
360	-28.76	-32.31	-32.18	-26.48	-19.6	-26.45	-25.16	-21.72	-25.6	-16.01	-23.17	-22.9	-23.99	

Polarization	Total	Channel			5		Freq		5230					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-24.05	-7.82	-3.09	-5.95	-6.1	-3.23	-0.72	-1.19	-4.05	-3.42	-6.23	-4.69	-4.69	
30	-24.54	-8.66	-3.89	-4.66	-6.4	-4.29	-0.63	0.12	-1.07	-3.53	-3.67	-2.69	-4.69	
60	-23.23	-11.93	-7.18	-4.56	-8.2	-6.27	-0.62	1.6	0.86	-2.75	-6.02	-1.63	-4.69	
90	-22.7	-19.46	-13.86	-10.31	-10.59	-8.86	-4.34	1.02	2.41	0.76	-2.76	-2.08	-4.69	
120	-20.98	-17.17	-9.65	-9.9	-6.78	-8.74	-2.72	0.63	3.5	2.53	-0.23	-1.19	-4.69	
150	-19.04	-12.56	-6.18	-5.88	-3.64	-1.87	-1.52	1.38	3.82	3.21	0.71	-0.83	-4.69	
180	-18.04	-11.05	-5.84	-5.12	-2.43	-0.37	-0.9	1.75	2.85	2.29	0.36	-0.37	-4.69	
210	-18.53	-11.56	-7.22	-6.19	-2.69	-1.93	-0.85	1.66	4	2.74	-0.06	-0.25	-4.69	
240	-18.32	-14.17	-10.2	-8.56	-5.83	-6.38	-0.72	1.9	3.27	2.19	-0.82	-0.88	-4.69	
270	-18.45	-15.53	-11.59	-10.98	-15.94	-5.47	-2.01	1.11	1.64	-1.05	-2.25	-1.88	-4.69	
300	-20.19	-11.13	-6.76	-7	-7.9	-5.48	-0.32	1.01	-1.08	-4.31	-4.26	-1.54	-4.69	
330	-21.57	-8.36	-3.93	-6.42	-5.74	-3.18	-0.83	-0.39	-2.05	-3	-3.58	-3.29	-4.69	
360	-24.05	-7.82	-3.09	-5.95	-6.1	-3.23	-0.72	-1.19	-4.05	-3.42	-6.23	-4.69	-4.69	

Polarization	Theta	Channel			6		Freq		5250					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-23.04	-8.43	-2.63	-5.52	-5.3	-3.36	-1.31	-1.24	-4.13	-3.87	-6.42	-5.07	-15.69	
30	-22.78	-10.7	-3.92	-5.84	-8.69	-6.16	-1.72	-0.32	-1.49	-3.87	-5.8	-6.29	-15.69	
60	-24.24	-17.19	-8.86	-8.23	-20.63	-14.86	-1.98	1.43	0.91	-2.79	-8.6	-11.34	-15.69	
90	-28.01	-24.59	-14.21	-13.71	-12.52	-9.64	-5.73	0.73	1.94	-0.34	-5.46	-9.5	-15.69	
120	-32.29	-19.49	-12.41	-12.05	-7.87	-12.68	-4.87	-1.42	2.54	1.44	-2.61	-4.65	-15.69	
150	-32.19	-14.53	-7.72	-6.95	-4.1	-2.62	-2.34	0.77	3.35	2.8	0.02	-1.68	-15.69	
180	-28.03	-12.69	-6.36	-4.89	-2.33	-0.52	-0.81	1.65	2.75	2.31	0.25	-0.47	-15.69	
210	-25.13	-12.89	-7.66	-5.9	-2.81	-2.19	-1.05	0.97	3.35	2.11	-1.02	-1.41	-15.69	
240	-23.37	-15.29	-11.75	-9.51	-6.92	-10.86	-2.47	-0.18	1.73	0.33	-4.84	-5.24	-15.69	
270	-23.08	-16.8	-13.92	-12.5	-22.45	-6.25	-2.84	0.39	0.72	-2.99	-8.01	-13.62	-15.69	

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300	-25.98	-13.29	-8.9	-10.7	-19.44	-7.83	-1.24	0.9	-1.08	-4.61	-10.15	-15.69	-15.69
330	-24.87	-9.62	-4.18	-7.54	-9.09	-4.36	-1.68	-0.56	-2.66	-3.37	-6.87	-7.85	-15.69
360	-23.04	-8.43	-2.63	-5.52	-5.3	-3.36	-1.31	-1.24	-4.13	-3.87	-6.42	-5.07	-15.69

Polarization	Phi	Channel 6			Freq 5250			105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-28.02	-35.69	-29.51	-24.76	-20.65	-25.01	-24.18	-21.55	-28.73	-15.89	-23.95	-22.94	-23.72
30	-32.3	-16.18	-12.29	-9.83	-9.91	-9.04	-9.47	-10.28	-13.61	-17.46	-8.02	-5.64	-23.72
60	-32.2	-14.92	-10.64	-7.9	-8.14	-6.98	-10.76	-12.44	-20.25	-27.53	-9.66	-2.26	-23.72
90	-28.04	-22.56	-22.48	-14.49	-15.39	-21.98	-19.32	-10.67	-6.49	-6.61	-5.61	-3.13	-23.72
120	-25.14	-23.27	-16.22	-12.68	-12.06	-10.86	-6.72	-4.46	-2.75	-3.69	-4	-3.88	-23.72
150	-23.38	-19.68	-14.9	-11.12	-11.26	-11.43	-8.86	-8.65	-5.46	-6.03	-7.69	-8.44	-23.72
180	-23.09	-23.64	-22.39	-22.06	-21.3	-21.9	-22.31	-19.79	-17.55	-22.27	-19.44	-23.72	-23.72
210	-25.99	-26.94	-21.65	-15.4	-14.05	-12.94	-8.89	-7.32	-5.01	-5.62	-7.09	-6.91	-23.72
240	-24.88	-29.45	-17.01	-13.71	-12.18	-8.59	-5.38	-2.91	-1.88	-2.16	-3.37	-2.97	-23.72
270	-23.05	-24.65	-15.26	-14.34	-18.82	-14.39	-12.45	-7.3	-5.16	-5.12	-3.32	-1.98	-23.72
300	-22.79	-16.45	-10.17	-8.29	-8.54	-9.53	-10.84	-18.93	-25.15	-14.53	-6.09	-1.94	-23.72
330	-24.25	-18.29	-11.88	-9.73	-8.03	-10.89	-10.03	-12.02	-12.5	-11.36	-6.48	-5.18	-23.72
360	-28.02	-35.69	-29.51	-24.76	-20.65	-25.01	-24.18	-21.55	-28.73	-15.89	-23.95	-22.94	-23.72

Polarization	Total	Channel 6			Freq 5250			105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-21.85	-8.43	-2.62	-5.47	-5.18	-3.33	-1.28	-1.2	-4.12	-3.61	-6.34	-5	-5
30	-22.32	-9.62	-3.33	-4.38	-6.25	-4.35	-1.04	0.09	-1.23	-3.69	-3.76	-2.94	-5
60	-23.6	-12.9	-6.65	-5.05	-7.9	-6.33	-1.44	1.6	0.94	-2.78	-6.09	-1.75	-5
90	-25.02	-20.45	-13.61	-11.07	-10.71	-9.39	-5.54	1.03	2.52	0.58	-2.53	-2.23	-5
120	-24.38	-17.97	-10.9	-9.34	-6.47	-8.67	-2.68	0.33	3.66	2.6	-0.24	-1.24	-5
150	-22.84	-13.37	-6.96	-5.54	-3.34	-2.08	-1.46	1.24	3.88	3.33	0.7	-0.85	-5
180	-21.88	-12.36	-6.25	-4.81	-2.28	-0.48	-0.78	1.68	2.79	2.32	0.3	-0.45	-5
210	-22.53	-12.73	-7.49	-5.44	-2.5	-1.84	-0.39	1.57	3.94	2.78	-0.06	-0.33	-5
240	-21.05	-15.13	-10.62	-8.11	-5.79	-6.57	-0.67	1.67	3.3	2.27	-1.03	-0.95	-5
270	-20.06	-16.14	-11.53	-10.31	-17.25	-5.63	-2.39	1.07	1.72	-0.92	-2.05	-1.69	-5
300	-21.09	-11.58	-6.48	-6.32	-8.2	-5.59	-0.79	0.94	-1.07	-4.19	-4.65	-1.76	-5
330	-21.54	-9.07	-3.5	-5.49	-5.52	-3.49	-1.08	-0.26	-2.23	-2.73	-3.66	-3.3	-5
360	-21.85	-8.43	-2.62	-5.47	-5.18	-3.33	-1.28	-1.2	-4.12	-3.61	-6.34	-5	-5

Polarization	Theta	Channel 7			Freq 5450			105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-18.66	-7.52	-1.56	-1.63	-4.31	-3.76	-2.07	-1.25	-2.88	-3.55	-5.97	-5.71	-15.5
30	-13.87	-9.27	-3.31	-2.14	-7.82	-9.64	-2.14	-0.27	-0.79	-3.14	-5.09	-6.03	-15.5
60	-12.19	-12.89	-8.1	-5.36	-12.39	-17.26	-2.81	0.93	0.94	-2.35	-7.57	-11.43	-15.5
90	-12.85	-16.73	-12.65	-9.74	-9.98	-15.67	-7.97	-0.18	1.45	-0.34	-5.19	-10.68	-15.5
120	-16.61	-17.25	-10.07	-7.45	-7.46	-8.47	-6.49	-2.95	1.45	1.4	-2.11	-5.33	-15.5
150	-26.37	-13.37	-6.69	-3.89	-3.53	-1.83	-2.38	1.08	2.54	2.6	0.47	-1.95	-15.5
180	-22.68	-11.33	-5.2	-2.61	-2.27	-0.43	-0.3	1.72	1.59	2.52	0.64	-0.77	-15.5
210	-16.37	-10.72	-5.9	-3.91	-2.62	-1.33	-2.06	1.18	2.67	2.11	-0.8	-1.81	-15.5
240	-14.67	-11.82	-8.47	-7.86	-5.93	-9.09	-3.16	-1.07	1.34	0.22	-4.17	-6.32	-15.5
270	-15.31	-12.4	-11.86	-9.61	-14.5	-9.93	-4.3	0.23	0.56	-3.44	-7.71	-15.21	-15.5
300	-19.73	-11.19	-7.75	-6.24	-24.56	-10.09	-1.42	0.75	-0.71	-4.27	-9.08	-15.5	-15.5
330	-30.06	-8.51	-3.19	-2.73	-8.15	-7.66	-2.22	-0.59	-1.88	-2.67	-6.43	-8.56	-15.5
360	-18.66	-7.52	-1.56	-1.63	-4.31	-3.76	-2.07	-1.25	-2.88	-3.55	-5.97	-5.71	-15.5

Polarization	Phi	Channel 7			Freq 5450			105	120	135	150	165	180
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-12.85	-26.74	-26.08	-28.11	-25.18	-26.92	-26.21	-24.11	-26.48	-17.71	-24.35	-23.16	-25.49
30	-16.61	-15.97	-9.77	-9.23	-8.11	-8.46	-8.07	-9.57	-12.02	-16.15	-9.44	-6.6	-25.49
60	-26.37	-15.27	-8.68	-7.08	-6.32	-6.08	-8.4	-10.79	-16.75	-39.12	-11.62	-3.39	-25.49
90	-22.68	-18.35	-15.8	-15.23	-13.66	-20.17	-21.29	-11.65	-7.56	-6.98	-6.36	-3.64	-25.49
120	-16.37	-23.34	-21.52	-13.82	-11.41	-10.6	-6.48	-4.73	-2.41	-3.22	-4.28	-4.11	-25.49
150	-14.67	-19.96	-16.26	-12.7	-9.72	-10.32	-7.77	-7.68	-4.87	-6.11	-7.18	-8.69	-25.49
180	-15.31	-21.67	-21.43	-21.92	-20.42	-21.71	-20.1	-20.25	-15.88	-23.29	-19.64	-25.49	-25.49
210	-19.73	-26.19	-25.86	-17.1	-14	-12.15	-8.77	-6.48	-5.28	-5.97	-6.91	-7.25	-25.49
240	-30.06	-21.76	-22.08	-13.45	-12.29	-8.94	-5.38	-3.29	-1.78	-2.28	-3.6	-3.17	-25.49

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270	-18.66	-19.61	-17.19	-14.5	-18.57	-16.37	-14.11	-7.81	-5.53	-5.84	-3.66	-2.2	-25.49
300	-13.87	-19.23	-10.26	-6.75	-7.57	-7.56	-9.5	-14.34	-22.21	-15.04	-6.55	-2.17	-25.49
330	-12.19	-23.16	-12.06	-8.09	-7.87	-9.27	-8.55	-10.4	-11.26	-11.14	-7.69	-5.93	-25.49
360	-12.85	-26.74	-26.08	-28.11	-25.18	-26.92	-26.21	-24.11	-26.48	-17.71	-24.35	-23.16	-25.49

Polarization	Total	Channel			Freq			5450					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-11.84	-7.47	-1.54	-1.62	-4.27	-3.74	-2.05	-1.23	-2.86	-3.39	-5.91	-5.63	-5.63
30	-12.02	-8.43	-2.42	-1.37	-4.95	-6	-1.15	0.21	-0.47	-2.93	-3.73	-3.3	-5.63
60	-12.03	-10.91	-5.37	-3.13	-5.36	-5.76	-1.75	1.21	1.01	-2.35	-6.13	-2.76	-5.63
90	-12.42	-14.46	-10.93	-8.66	-8.43	-14.35	-7.77	0.12	1.96	0.51	-2.73	-2.86	-5.63
120	-13.48	-16.3	-9.77	-6.55	-5.99	-6.39	-3.47	-0.74	2.95	2.69	-0.05	-1.67	-5.63
150	-14.39	-12.51	-6.23	-3.35	-2.59	-1.25	-1.28	1.62	3.26	3.15	1.16	-1.12	-5.63
180	-14.58	-10.95	-5.09	-2.56	-2.2	-0.4	-0.25	1.74	1.67	2.53	0.68	-0.76	-5.63
210	-14.73	-10.6	-5.85	-3.71	-2.31	-0.98	-1.22	1.86	3.32	2.74	0.15	-0.72	-5.63
240	-14.55	-11.4	-8.28	-6.8	-5.02	-6	-1.12	0.97	3.07	2.16	-0.87	-1.46	-5.63
270	-13.66	-11.65	-10.74	-8.39	-13.06	-9.04	-3.87	0.86	1.52	-1.47	-2.22	-1.99	-5.63
300	-12.87	-10.56	-5.81	-3.48	-7.48	-5.63	-0.79	0.88	-0.68	-3.92	-4.62	-1.97	-5.63
330	-12.12	-8.36	-2.66	-1.62	-5	-5.38	-1.31	-0.16	-1.41	-2.1	-4.01	-4.04	-5.63
360	-11.84	-7.47	-1.54	-1.62	-4.27	-3.74	-2.05	-1.23	-2.86	-3.39	-5.91	-5.63	-5.63

Polarization	Theta	Channel			Freq			5470					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-19.68	-6.45	-1.63	-1	-4.32	-4.31	-1.65	-1.2	-2.82	-3.27	-5.32	-5.68	-15.54
30	-15.33	-8.26	-3.88	-1.94	-7.29	-10.03	-2.32	-0.18	-0.65	-2.85	-4.93	-5.85	-15.54
60	-14.07	-12.03	-8.29	-4.93	-10.76	-17.51	-3.2	1	0.84	-2.08	-7.03	-11.28	-15.54
90	-15.34	-16.52	-12.53	-9.48	-9.29	-16.84	-8.36	-0.28	1.55	-0.25	-4.8	-10.39	-15.54
120	-20.78	-17.75	-9.52	-7.32	-6.89	-7.99	-6.24	-2.98	1.46	1.51	-1.82	-4.96	-15.54
150	-34.32	-13.79	-6.57	-3.69	-3.57	-1.59	-2.25	1.19	2.78	2.74	0.6	-1.78	-15.54
180	-21.28	-11.26	-4.91	-2.6	-2.3	-0.28	-0.2	1.86	1.68	2.56	0.96	-0.71	-15.54
210	-16.78	-10.52	-4.62	-3.92	-2.67	-1.03	-1.55	1.28	2.78	2.23	-0.48	-1.33	-15.54
240	-15.92	-11.22	-7.36	-8.09	-5.63	-8.69	-3.43	-1	1.31	0.41	-3.97	-5.99	-15.54
270	-16.37	-11.35	-10.78	-9.87	-13.97	-10.56	-4.72	0.39	0.54	-2.87	-7.51	-14.57	-15.54
300	-19.21	-9.87	-7.54	-5.75	-20.63	-10.17	-1.39	0.82	-1.05	-3.79	-8.78	-15.54	-15.54
330	-23.36	-7.31	-3.31	-2.73	-7.56	-8.01	-2.17	-0.53	-1.78	-2.6	-5.54	-8.41	-15.54
360	-19.68	-6.45	-1.63	-1	-4.32	-4.31	-1.65	-1.2	-2.82	-3.27	-5.32	-5.68	-15.54

Polarization	Phi	Channel			Freq			5470					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-15.34	-24.95	-28.22	-30.67	-25.27	-26.47	-26.09	-23.88	-28.27	-17.15	-23.79	-21.9	-25.88
30	-20.78	-15.26	-9.81	-8.1	-8.02	-8.01	-7.67	-9.06	-11.45	-16.16	-9.35	-7.14	-25.88
60	-34.32	-13.89	-8.74	-5.86	-6.39	-5.38	-7.97	-10.11	-15.94	-36.73	-11.45	-3.14	-25.88
90	-21.28	-15.34	-16.07	-13.79	-14.01	-19.77	-22.3	-11.97	-7.52	-6.91	-5.99	-3.34	-25.88
120	-16.78	-20.31	-22.39	-14.39	-11.49	-10.46	-6.1	-4.66	-2.45	-2.82	-3.61	-3.93	-25.88
150	-15.92	-20.38	-15.98	-12.95	-9.68	-10.01	-7.76	-7.42	-4.81	-5.57	-6.74	-8.36	-25.88
180	-16.37	-23.24	-21.45	-22.41	-19.65	-21.81	-20.63	-19.83	-15.82	-23.16	-19.6	-25.88	-25.88
210	-19.21	-24.35	-25.11	-16.73	-14.5	-11.91	-8.45	-6.15	-4.81	-5.93	-7.15	-6.92	-25.88
240	-23.36	-18.64	-20.72	-12.95	-12.99	-8.07	-5.35	-2.63	-1.39	-1.88	-3.11	-2.96	-25.88
270	-19.68	-16.24	-18.41	-14.62	-17.59	-16.66	-14.06	-8.11	-5.69	-5.4	-3.41	-2.15	-25.88
300	-15.33	-16.75	-10.57	-6.72	-7.3	-7.28	-9.11	-13.58	-21.86	-15.07	-6.38	-1.98	-25.88
330	-14.07	-21.06	-12.14	-8.21	-7.61	-9.01	-8.2	-9.92	-11.29	-10.89	-7.27	-5.44	-25.88
360	-15.34	-24.95	-28.22	-30.67	-25.27	-26.47	-26.09	-23.88	-28.27	-17.15	-23.79	-21.9	-25.88

Polarization	Total	Channel			Freq			5470					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-13.98	-6.38	-1.62	-1	-4.28	-4.29	-1.64	-1.18	-2.8	-3.1	-5.26	-5.58	-5.58
30	-14.24	-7.47	-2.89	-1	-4.63	-5.9	-1.21	0.35	-0.3	-2.65	-3.59	-3.44	-5.58
60	-14.03	-9.85	-5.5	-2.36	-5.04	-5.13	-1.95	1.32	0.93	-2.08	-5.69	-2.52	-5.58
90	-14.35	-12.88	-10.94	-8.11	-8.03	-15.05	-8.19	0.01	2.06	0.6	-2.34	-2.56	-5.58
120	-15.32	-15.83	-9.3	-6.54	-5.6	-6.04	-3.16	-0.73	2.94	2.87	0.39	-1.41	-5.58
150	-15.85	-12.93	-6.1	-3.21	-2.62	-1.01	-1.18	1.75	3.48	3.34	1.33	-0.92	-5.58
180	-15.15	-10.99	-4.82	-2.56	-2.22	-0.25	-0.16	1.89	1.76	2.57	0.99	-0.7	-5.58
210	-14.82	-10.34	-4.58	-3.7	-2.39	-0.69	-0.75	2	3.48	2.85	0.36	-0.27	-5.58

PCB Printing Antenna
 Antenna #2
 [TX-On-board antenna-B]

240	-15.2	-10.49	-7.17	-6.86	-4.9	-5.36	-1.28	1.27	3.18	2.43	-0.51	-1.21	-5.58
270	-14.71	-10.13	-10.09	-8.62	-12.4	-9.61	-4.24	0.96	1.47	-0.94	-1.98	-1.91	-5.58
300	-13.84	-9.06	-5.79	-3.2	-7.11	-5.48	-0.71	0.98	-1.01	-3.48	-4.41	-1.79	-5.58
330	-13.58	-7.13	-2.78	-1.65	-4.58	-5.47	-1.2	-0.06	-1.32	-2	-3.31	-3.67	-5.58
360	-13.98	-6.38	-1.62	-1	-4.28	-4.29	-1.64	-1.18	-2.8	-3.1	-5.26	-5.58	-5.58

Polarization	Theta	Channel			Freq			5490					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-22.46	-5.7	-2.09	-1.25	-3.7	-4.68	-2.12	-1.36	-2.97	-3.2	-5.15	-6	-15.98
30	-17.92	-7.49	-3.91	-1.73	-6.55	-10.9	-2.97	-0.22	-1.03	-2.91	-4.57	-5.78	-15.98
60	-16.49	-11.45	-8.5	-5.06	-10.03	-18.22	-3.65	0.87	0.68	-2.34	-6.51	-11.24	-15.98
90	-18.01	-16.42	-11.84	-9.9	-9.22	-18.4	-8.94	-0.45	1.4	-0.17	-5.1	-10.3	-15.98
120	-23.73	-18.25	-8.76	-7.93	-6.93	-7.69	-6.44	-3.36	1.46	1.29	-2.05	-4.7	-15.98
150	-32.4	-14.35	-5.76	-3.89	-3.57	-1.63	-1.93	0.97	2.64	2.71	0.2	-1.84	-15.98
180	-20.94	-11.49	-3.94	-2.96	-2.38	-0.54	-0.01	1.71	1.56	2.47	0.76	-0.56	-15.98
210	-16.69	-10.98	-4.09	-4.19	-2.72	-1.24	-1.76	1.01	2.7	2.23	-0.8	-1.46	-15.98
240	-14.78	-11.31	-6.63	-8.39	-6.01	-8.45	-3.39	-1.16	1.2	0.22	-4.37	-5.74	-15.98
270	-14.55	-10.86	-10.02	-10.51	-14.11	-11.72	-4.91	0.15	0.5	-3.19	-7.8	-14.45	-15.98
300	-16.02	-8.86	-7.41	-6.15	-18.29	-10.87	-1.59	0.38	-0.77	-4.23	-8.71	-15.98	-15.98
330	-19.99	-6.42	-3.66	-2.75	-6.88	-8.7	-2.29	-0.62	-1.62	-2.89	-5.83	-8.61	-15.98
360	-22.46	-5.7	-2.09	-1.25	-3.7	-4.68	-2.12	-1.36	-2.97	-3.2	-5.15	-6	-15.98

Polarization	Phi	Channel			Freq			5490					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-18.01	-25.04	-32.86	-28.24	-26.1	-26.43	-25.64	-23.28	-30.89	-16.99	-23.34	-21.42	-26.07
30	-23.73	-14.18	-10.25	-7.45	-8.08	-7.64	-7.58	-8.73	-11.04	-16.22	-9.71	-6.7	-26.07
60	-32.4	-12.04	-9.17	-5.8	-6.47	-5.71	-7.82	-9.82	-15.22	-41.12	-11.61	-3.01	-26.07
90	-20.94	-13.21	-16.97	-13.28	-14.53	-19.56	-23.42	-12.3	-7.42	-7.01	-5.96	-3.23	-26.07
120	-16.69	-18.91	-21.57	-14.85	-11.59	-10.32	-6.39	-4.73	-2.46	-3.08	-3.64	-3.56	-26.07
150	-14.78	-21.91	-15.91	-13.01	-9.8	-9.96	-8.22	-7.4	-4.77	-5.3	-6.89	-7.97	-26.07
180	-14.55	-24.51	-21.23	-21.92	-19.75	-21.23	-21.68	-20.55	-16.34	-22.64	-19.88	-26.07	-26.07
210	-16.02	-22	-26.09	-17.25	-14.58	-12.17	-8.54	-6.5	-5.24	-5.69	-6.55	-6.93	-26.07
240	-19.99	-17.01	-21.13	-13.24	-13.16	-8.56	-5.31	-2.75	-1.65	-2.07	-2.9	-3.29	-26.07
270	-22.46	-13.96	-20.75	-15.44	-16.91	-16.7	-14.43	-7.88	-5.15	-5.56	-3.49	-2.3	-26.07
300	-17.92	-13.96	-10.91	-7.28	-7.19	-7.04	-8.94	-13.11	-21.97	-14.97	-6.86	-2.12	-26.07
330	-16.49	-18.03	-11.92	-8.97	-7.57	-8.65	-8.17	-9.77	-11.5	-10.81	-6.85	-5.62	-26.07
360	-18.01	-25.04	-32.86	-28.24	-26.1	-26.43	-25.64	-23.28	-30.89	-16.99	-23.34	-21.42	-26.07

Polarization	Total	Channel			Freq			5490					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-16.68	-5.65	-2.08	-1.24	-3.67	-4.65	-2.1	-1.33	-2.96	-3.02	-5.08	-5.87	-5.87
30	-16.91	-6.65	-3	-0.7	-4.24	-5.96	-1.68	0.36	-0.61	-2.71	-3.41	-3.2	-5.87
60	-16.38	-8.73	-5.81	-2.41	-4.89	-5.47	-2.24	1.23	0.79	-2.34	-5.34	-2.4	-5.87
90	-16.22	-11.52	-10.67	-8.26	-8.1	-15.93	-8.79	-0.17	1.94	0.65	-2.5	-2.45	-5.87
120	-15.9	-15.56	-8.53	-7.13	-5.65	-5.79	-3.4	-0.98	2.94	2.64	0.24	-1.08	-5.87
150	-14.7	-13.65	-5.36	-3.39	-2.64	-1.03	-1.01	1.56	3.37	3.35	0.98	-0.89	-5.87
180	-13.65	-11.28	-3.86	-2.91	-2.3	-0.5	0.02	1.74	1.63	2.48	0.8	-0.55	-5.87
210	-13.33	-10.65	-4.06	-3.98	-2.44	-0.9	-0.93	1.72	3.35	2.88	0.22	-0.37	-5.87
240	-13.64	-10.27	-6.47	-7.16	-5.24	-5.49	-1.23	1.13	3.02	2.23	-0.57	-1.33	-5.87
270	-13.9	-9.13	-9.66	-9.3	-12.28	-10.52	-4.45	0.79	1.55	-1.21	-2.12	-2.04	-5.87
300	-13.86	-7.69	-5.8	-3.67	-6.87	-5.53	-0.86	0.57	-0.73	-3.88	-4.68	-1.95	-5.87
330	-14.88	-6.13	-3.05	-1.82	-4.2	-5.66	-1.29	-0.12	-1.19	-2.24	-3.3	-3.85	-5.87
360	-16.68	-5.65	-2.08	-1.24	-3.67	-4.65	-2.1	-1.33	-2.96	-3.02	-5.08	-5.87	-5.87

Polarization	Theta	Channel			Freq			5500					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-25.15	-5.41	-2.26	-1.3	-3.5	-4.85	-2.37	-1.42	-2.99	-3.26	-5.27	-5.78	-16.15
30	-19.27	-7.24	-4.42	-1.94	-6.24	-11.12	-3.12	-0.34	-0.98	-2.94	-4.29	-6.29	-16.15
60	-17.66	-11.24	-8.48	-5.34	-9.81	-18.25	-3.87	0.72	0.76	-2.52	-7.36	-11.33	-16.15
90	-18.63	-16.26	-11.4	-10.34	-9.28	-19.04	-9.09	-0.46	1.34	-0.47	-5.12	-10.33	-16.15
120	-22.3	-18.66	-8.54	-8.2	-7.13	-7.54	-6.56	-3.37	1.46	1.22	-2.25	-4.85	-16.15
150	-28.27	-14.69	-5.56	-3.91	-4.08	-1.61	-2.22	1.08	2.53	2.53	0.18	-2.01	-16.15
180	-21.08	-11.7	-4.15	-2.95	-2.53	-0.33	-0.16	1.66	1.55	2.34	0.55	-0.89	-16.15

PCB Printing Antenna
 Antenna #2
 [TX-On-board antenna-B]

210	-16.23	-11.1	-4.23	-3.74	-3.09	-0.99	-1.48	1.21	2.83	2.04	-0.98	-1.6	-16.15
240	-13.97	-11.29	-6.56	-8.39	-6.25	-8.28	-3.52	-1.28	1.21	0.1	-4.38	-5.94	-16.15
270	-13.71	-10.67	-9.79	-10.82	-14.13	-12.2	-4.93	0.16	0.46	-3.19	-7.91	-14.33	-16.15
300	-15.2	-8.54	-7.46	-6.72	-17.8	-11.22	-1.75	0.28	-0.72	-3.8	-8.77	-16.15	-16.15
330	-19.41	-6.12	-3.73	-2.74	-6.55	-8.97	-2.65	-0.81	-1.76	-2.92	-5.81	-8.67	-16.15
360	-25.15	-5.41	-2.26	-1.3	-3.5	-4.85	-2.37	-1.42	-2.99	-3.26	-5.27	-5.78	-16.15

Polarization	Phi	Channel			Freq		5500						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-18.67	-25.49	-32.67	-27.75	-26.42	-26.1	-26.03	-23.21	-32.03	-16.88	-22.56	-21.51	-25.23
30	-22.34	-13.68	-10.54	-7.44	-8.19	-7.5	-7.5	-8.8	-10.93	-16.36	-9.95	-6.89	-25.23
60	-28.31	-11.33	-9.44	-6.22	-6.51	-5.41	-7.83	-9.81	-15.29	-39.32	-11.76	-3.28	-25.23
90	-21.12	-12.47	-17.66	-13.4	-14.82	-19.63	-23.71	-12.65	-7.37	-7.07	-5.9	-3.33	-25.23
120	-16.27	-18.89	-20.56	-14.47	-11.68	-10.43	-6.41	-4.7	-2.23	-2.77	-3.92	-3.91	-25.23
150	-14.01	-23.91	-15.64	-12.63	-9.82	-9.95	-8.42	-7.4	-4.55	-5.28	-7.17	-8.18	-25.23
180	-13.75	-24.68	-20.93	-20.92	-19.53	-21.49	-22.27	-20.45	-16.22	-22.14	-19.89	-25.23	-25.23
210	-15.24	-21.22	-26.74	-17.56	-14.52	-12.05	-8.72	-6.84	-5.56	-5.54	-6.97	-7.23	-25.23
240	-19.45	-16.61	-21.68	-13.65	-13.08	-8.49	-5.3	-2.69	-1.69	-1.94	-3.16	-3.19	-25.23
270	-25.19	-13.54	-21.26	-16	-16.51	-16.74	-14.6	-7.87	-5.75	-5.74	-3.51	-2.37	-25.23
300	-19.31	-13.17	-10.99	-7.65	-7.19	-7	-8.88	-13.07	-21.69	-14.9	-7.13	-2.41	-25.23
330	-17.7	-17.03	-11.9	-9.3	-7.58	-8.56	-8.14	-9.82	-11.63	-10.66	-7.43	-5.98	-25.23
360	-18.67	-25.49	-32.67	-27.75	-26.42	-26.1	-26.03	-23.21	-32.03	-16.88	-22.56	-21.51	-25.23

Polarization	Total	Channel			Freq		5500						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-17.79	-5.37	-2.26	-1.29	-3.48	-4.82	-2.36	-1.39	-2.98	-3.07	-5.19	-5.67	-5.67
30	-17.53	-6.36	-3.47	-0.86	-4.1	-5.94	-1.77	0.24	-0.56	-2.75	-3.25	-3.57	-5.67
60	-17.3	-8.28	-5.93	-2.75	-4.84	-5.19	-2.41	1.09	0.87	-2.52	-6.01	-2.65	-5.67
90	-16.69	-10.96	-10.48	-8.59	-8.21	-16.32	-8.95	-0.2	1.89	0.39	-2.48	-2.54	-5.67
120	-15.31	-15.77	-8.28	-7.28	-5.82	-5.74	-3.48	-0.97	3.01	2.68	0.01	-1.34	-5.67
150	-13.85	-14.2	-5.16	-3.36	-3.05	-1.02	-1.29	1.66	3.31	3.2	0.91	-1.07	-5.67
180	-13.02	-11.49	-4.06	-2.88	-2.45	-0.3	-0.14	1.69	1.62	2.36	0.59	-0.87	-5.67
210	-12.7	-10.7	-4.21	-3.56	-2.79	-0.66	-0.73	1.84	3.42	2.74	0	-0.55	-5.67
240	-12.89	-10.18	-6.43	-7.26	-5.43	-5.38	-1.31	1.08	3.01	2.21	-0.72	-1.34	-5.67
270	-13.41	-8.87	-9.49	-9.67	-12.15	-10.89	-4.49	0.8	1.39	-1.27	-2.16	-2.1	-5.67
300	-13.78	-7.26	-5.87	-4.15	-6.82	-5.61	-0.99	0.48	-0.69	-3.47	-4.86	-2.23	-5.67
330	-15.46	-5.79	-3.12	-1.87	-4.02	-5.75	-1.57	-0.3	-1.33	-2.24	-3.53	-4.11	-5.67
360	-17.79	-5.37	-2.26	-1.29	-3.48	-4.82	-2.36	-1.39	-2.98	-3.07	-5.19	-5.67	-5.67

Polarization	Theta	Channel			Freq		5750						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-20.01	-4.38	-0.91	0.56	-1.49	-5.02	-2.72	-1.66	-2.81	-1.79	-3.93	-6.28	-15.89
30	-13.1	-5.86	-2.32	-0.3	-2.98	-7.79	-3.92	-0.81	-1.08	-1.97	-3.4	-5.93	-15.89
60	-10.86	-9.59	-5.62	-4.03	-5.49	-13.02	-5.06	-0.28	0.27	-2.68	-6.99	-11.43	-15.89
90	-10.88	-14.01	-6.84	-6.92	-7.05	-19.45	-9.42	-0.97	1.37	-0.34	-4.76	-10.97	-15.89
120	-13.26	-16.18	-5.39	-4.38	-5.59	-5.17	-5.74	-2.13	2.17	1.84	-1.98	-5.22	-15.89
150	-18.44	-15.35	-3.07	-1.63	-2.37	-1.24	-0.39	1.11	2.45	3.2	0.69	-2	-15.89
180	-20.98	-13.14	-2.29	0.04	-1.41	0.09	1.1	1.65	1.63	2.73	1.27	-0.7	-15.89
210	-14.23	-12.25	-2.84	-0.97	-2.52	-0.38	-0.29	1.58	2.6	2.64	-0.32	-1.8	-15.89
240	-11.49	-11.11	-4.68	-4.05	-5.02	-5.17	-3.4	-0.43	2.29	0.62	-3.7	-5.92	-15.89
270	-11.56	-9.51	-6.55	-6.91	-9	-16.98	-6.26	0.8	0.85	-2.87	-8.21	-14.61	-15.89
300	-14.02	-7.13	-5.15	-3.97	-9.01	-12.04	-2.46	-0.14	-0.88	-3.53	-7.96	-15.89	-15.89
330	-22.05	-4.94	-1.8	-0.62	-3.72	-8.06	-3.76	-0.91	-1.61	-1.35	-4.04	-8.82	-15.89
360	-20.01	-4.38	-0.91	0.56	-1.49	-5.02	-2.72	-1.66	-2.81	-1.79	-3.93	-6.28	-15.89

Polarization	Phi	Channel			Freq		5750						
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180
0	-10.84	-22.32	-28.97	-30.92	-26.93	-26.05	-23.84	-21.72	-34.78	-17.82	-22.44	-23.95	-26.54
30	-13.22	-11.56	-10.72	-7.83	-6.46	-5.85	-5.11	-6.03	-8.01	-12.3	-9.03	-6.81	-26.54
60	-18.4	-9.9	-10.03	-6.81	-4.81	-4.3	-4.98	-5.7	-9.69	-17.96	-11.42	-3.02	-26.54
90	-20.94	-12.16	-14.79	-17.45	-13.86	-17.85	-18.83	-14.06	-8.77	-7.61	-6.61	-2.88	-26.54
120	-14.19	-18.98	-18.62	-15.54	-11.85	-9.88	-6.3	-4.79	-2.08	-2.37	-3.81	-3.92	-26.54
150	-11.45	-28.95	-16.83	-14.01	-10.01	-9.34	-8	-6.58	-3.85	-4.54	-6.66	-9.3	-26.54

PCB Printing Antenna
 Antenna #2
 [TX-On-board antenna-B]

180	-11.52	-19.24	-17.45	-19.86	-16.86	-18.7	-20.79	-21.07	-16.76	-23.12	-19.27	-26.54	-26.54
210	-13.98	-16.47	-18.53	-24.65	-16.36	-12.95	-9.4	-5.85	-4.95	-4.99	-5.69	-6.76	-26.54
240	-22.01	-13.87	-22.99	-15.55	-11.67	-9.14	-5.38	-2.49	-0.94	-1.31	-2.71	-2.87	-26.54
270	-19.97	-11.69	-15.29	-17.39	-14.59	-16.05	-16.17	-8.66	-6.24	-6.34	-3.3	-1.8	-26.54
300	-13.06	-12.46	-9.88	-7.5	-5.43	-4.79	-6.14	-8.62	-13.13	-14.23	-7.05	-1.91	-26.54
330	-10.82	-18.1	-11.56	-8.65	-6.37	-6.08	-5.8	-7.5	-8.98	-9.08	-6.44	-5.56	-26.54
360	-10.84	-22.32	-28.97	-30.92	-26.93	-26.05	-23.84	-21.72	-34.78	-17.82	-22.44	-23.95	-26.54

Polarization	Total	Channel			11		Freq		5750					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-10.35	-4.31	-0.9	0.56	-1.47	-4.99	-2.69	-1.61	-2.8	-1.68	-3.87	-6.2	-6.2	
30	-10.15	-4.82	-1.73	0.41	-1.37	-3.7	-1.46	0.33	-0.27	-1.58	-2.35	-3.34	-6.2	
60	-10.16	-6.73	-4.28	-2.19	-2.13	-3.75	-2.01	0.82	0.69	-2.55	-5.65	-2.44	-6.2	
90	-10.48	-9.97	-6.19	-6.55	-6.23	-15.57	-8.95	-0.76	1.78	0.41	-2.58	-2.26	-6.2	
120	-10.69	-14.35	-5.19	-4.06	-4.67	-3.91	-3	-0.25	3.56	3.24	0.21	-1.51	-6.2	
150	-10.66	-15.16	-2.89	-1.39	-1.68	-0.62	0.3	1.79	3.37	3.88	1.43	-1.26	-6.2	
180	-11.06	-12.19	-2.16	0.08	-1.29	0.14	1.13	1.68	1.7	2.74	1.31	-0.69	-6.2	
210	-11.1	-10.85	-2.72	-0.95	-2.34	-0.15	0.21	2.3	3.31	3.34	0.79	-0.6	-6.2	
240	-11.13	-9.26	-4.62	-3.75	-4.17	-3.71	-1.27	1.67	3.98	2.78	-0.17	-1.12	-6.2	
270	-10.98	-7.45	-6	-6.54	-7.94	-13.48	-5.84	1.27	1.63	-1.25	-2.09	-1.58	-6.2	
300	-10.51	-6.01	-3.89	-2.38	-3.85	-4.04	-0.91	0.44	-0.62	-3.17	-4.47	-1.74	-6.2	
330	-10.51	-4.74	-1.36	0.01	-1.83	-3.95	-1.65	-0.05	-0.87	-0.67	-2.07	-3.88	-6.2	
360	-10.35	-4.31	-0.9	0.56	-1.47	-4.99	-2.69	-1.61	-2.8	-1.68	-3.87	-6.2	-6.2	

Polarization	Theta	Channel			12		Freq		5770					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-19.08	-4.57	-0.98	0.68	-1.23	-5.32	-2.93	-1.86	-2.53	-2.23	-3.96	-6.21	-15.61	
30	-12.85	-6.1	-2.62	-0.29	-2.58	-7.47	-4.5	-1.13	-1.2	-2.45	-3.35	-6.26	-15.61	
60	-10.52	-9.75	-5.43	-4.19	-5.32	-12.9	-4.81	-0.42	0.64	-2.47	-6.77	-11.69	-15.61	
90	-10.45	-13.83	-7.03	-7.27	-7.07	-18.49	-9.34	-1.02	1.56	-0.44	-5.11	-11.38	-15.61	
120	-12.84	-15.61	-5.78	-4.75	-5.8	-5.13	-6.06	-2.22	2.15	1.69	-2.14	-5.14	-15.61	
150	-18.21	-14.12	-3.87	-1.7	-2.49	-1.28	-0.64	0.96	2.04	2.97	0.47	-2.3	-15.61	
180	-21.67	-11.75	-3.17	-0.43	-1.82	-0.1	0.68	1.5	1.52	2.53	1.05	-0.94	-15.61	
210	-14.35	-11.02	-3.54	-1.17	-2.8	-0.45	-0.95	1.45	2.36	2.47	-0.51	-2.25	-15.61	
240	-11.27	-10.16	-5.21	-4.93	-5.16	-5.06	-3.37	-0.92	2.45	0.3	-4.31	-6.51	-15.61	
270	-10.84	-8.84	-6.98	-7.42	-8.75	-17.44	-6.51	0.62	0.62	-2.84	-8.5	-15.01	-15.61	
300	-12.94	-6.81	-5.35	-4.27	-8.72	-12.06	-2.65	-0.2	-0.5	-3.82	-8.11	-15.61	-15.61	
330	-19.06	-4.94	-2	-0.44	-3.11	-7.69	-3.7	-1.2	-1.81	-1.8	-3.83	-8.92	-15.61	
360	-19.08	-4.57	-0.98	0.68	-1.23	-5.32	-2.93	-1.86	-2.53	-2.23	-3.96	-6.21	-15.61	

Polarization	Phi	Channel			12		Freq		5770					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-10.42	-22.08	-26.65	-33.71	-26.48	-26.19	-24.01	-21.4	-46.71	-17.67	-22.66	-23.6	-27.99	
30	-12.81	-12.13	-10.45	-7.95	-6.53	-5.9	-5.56	-6.15	-7.79	-12.25	-9.31	-7.2	-27.99	
60	-18.18	-10.51	-9.51	-6.79	-4.94	-4.46	-5.33	-6.08	-9.34	-17.6	-12.02	-3.14	-27.99	
90	-21.64	-12.78	-13.93	-16.34	-13.77	-18.25	-18.77	-13.96	-9.18	-7.95	-7.24	-3.24	-27.99	
120	-14.32	-19.77	-19.52	-16.91	-11.86	-9.98	-6.23	-5.16	-1.96	-2.39	-3.71	-4.01	-27.99	
150	-11.24	-28.63	-17.72	-14.66	-10.63	-9.51	-8.14	-6.65	-3.95	-4.41	-6.99	-9.16	-27.99	
180	-10.81	-20.84	-17.82	-19.65	-18.1	-18.92	-21.76	-21.59	-16.74	-23.6	-19.72	-27.99	-27.99	
210	-12.91	-17.6	-17.48	-27.44	-15.83	-13.05	-9.3	-6.72	-4.83	-4.87	-6.01	-7.01	-27.99	
240	-19.03	-14.75	-23.5	-16.74	-11.4	-9.19	-5.38	-2.67	-1.06	-1.57	-2.98	-3.11	-27.99	
270	-19.05	-12.15	-16.31	-18.79	-15.63	-15.82	-15.74	-8.89	-6.28	-6.44	-3.56	-2.06	-27.99	
300	-12.82	-12.47	-10.32	-7.85	-5.83	-4.85	-6.1	-8.44	-13.42	-14.39	-7.49	-1.97	-27.99	
330	-10.49	-18.13	-12.01	-8.81	-6.53	-6.17	-5.93	-7.46	-9.38	-8.87	-6.99	-5.82	-27.99	
360	-10.42	-22.08	-26.65	-33.71	-26.48	-26.19	-24.01	-21.4	-46.71	-17.67	-22.66	-23.6	-27.99	

Polarization	Total	Channel			12		Freq		5770					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-9.86	-4.5	-0.97	0.69	-1.21	-5.29	-2.89	-1.81	-2.53	-2.11	-3.9	-6.13	-6.13	
30	-9.82	-5.14	-1.96	0.4	-1.11	-3.6	-1.98	0.06	-0.34	-2.02	-2.37	-3.69	-6.13	
60	-9.83	-7.11	-4	-2.29	-2.11	-3.88	-2.05	0.62	1.06	-2.34	-5.63	-2.58	-6.13	
90	-10.13	-10.27	-6.22	-6.76	-6.23	-15.36	-8.87	-0.81	1.92	0.27	-3.03	-2.62	-6.13	
120	-10.5	-14.2	-5.6	-4.49	-4.84	-3.9	-3.13	-0.44	3.58	3.12	0.16	-1.53	-6.13	

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 Antenna #2
 [TX-On-board antenna-B]

150	-10.44	-13.97	-3.69	-1.48	-1.87	-0.67	0.07	1.65	3.02	3.7	1.19	-1.49	-6.13
180	-10.47	-11.25	-3.02	-0.37	-1.72	-0.05	0.71	1.52	1.59	2.54	1.09	-0.93	-6.13
210	-10.56	-10.16	-3.37	-1.16	-2.59	-0.22	-0.35	2.06	3.12	3.21	0.57	-1	-6.13
240	-10.59	-8.87	-5.14	-4.65	-4.23	-3.64	-1.25	1.3	4.05	2.48	-0.58	-1.48	-6.13
270	-10.23	-7.18	-6.5	-7.11	-7.94	-13.54	-6.02	1.08	1.43	-1.26	-2.35	-1.85	-6.13
300	-9.87	-5.77	-4.15	-2.69	-4.03	-4.09	-1.03	0.4	-0.28	-3.45	-4.77	-1.79	-6.13
330	-9.92	-4.74	-1.59	0.15	-1.48	-3.85	-1.66	-0.28	-1.11	-1.02	-2.11	-4.09	-6.13
360	-9.86	-4.5	-0.97	0.69	-1.21	-5.29	-2.89	-1.81	-2.53	-2.11	-3.9	-6.13	-6.13

Polarization	Theta	Channel			13		Freq		5790					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-19.33	-4.51	-0.92	0.69	-1.17	-5.46	-2.52	-1.89	-2.73	-2.14	-3.98	-6.24	-15.69	
30	-13.76	-5.97	-2.24	-0.58	-2.66	-6.96	-3.78	-1.24	-0.71	-2.6	-3.23	-6.18	-15.69	
60	-11.21	-9.37	-5.4	-4.6	-5.1	-12.58	-5.24	-0.65	0.78	-2.95	-7.18	-11.92	-15.69	
90	-11.03	-13.3	-7.32	-7.84	-7.08	-17.34	-9.47	-1.07	1.53	-0.49	-5.43	-11.71	-15.69	
120	-13.17	-14.93	-6.48	-5.15	-5.89	-5.06	-6.37	-2.45	1.91	1.7	-2.26	-5.48	-15.69	
150	-19.09	-13.33	-4.58	-1.73	-2.68	-1.29	-0.93	0.74	1.86	2.92	0.49	-2.14	-15.69	
180	-22.86	-10.96	-3.8	-0.56	-1.62	-0.25	0.45	1.4	1.11	2.4	1.19	-1.07	-15.69	
210	-14.72	-10.3	-4.23	-1.27	-2.55	-0.5	-1.01	0.99	1.94	2.34	-0.64	-2.25	-15.69	
240	-11.61	-9.67	-5.35	-4.72	-5.08	-4.91	-3.68	-0.95	2.17	0.17	-4.34	-7.23	-15.69	
270	-10.69	-8.46	-7.18	-7.91	-8.31	-17.64	-6.51	0.45	0.69	-2.91	-8.78	-15.69	-15.69	
300	-12.62	-6.67	-5.53	-4.56	-8.29	-12.04	-3.12	-0.23	-0.5	-3.78	-8.2	-15.15	-15.69	
330	-17.4	-4.9	-1.94	-0.91	-3.12	-7.24	-3.74	-1.28	-1.5	-1.73	-3.99	-8.79	-15.69	
360	-19.33	-4.51	-0.92	0.69	-1.17	-5.46	-2.52	-1.89	-2.73	-2.14	-3.98	-6.24	-15.69	

Polarization	Phi	Channel			13		Freq		5790					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-11.05	-22.13	-24.8	-34.58	-27.16	-25.78	-23.36	-21.31	-42.43	-17.97	-22.09	-23.1	-29.62	
30	-13.19	-13.11	-9.93	-7.96	-6.7	-5.99	-5.61	-6.12	-7.68	-11.92	-9.51	-7.29	-29.62	
60	-19.11	-11.26	-9.14	-6.71	-5.23	-4.52	-5.81	-5.36	-9.18	-16.78	-12.5	-3.63	-29.62	
90	-22.88	-13.12	-13.47	-16.01	-13.99	-18.31	-20.01	-14.11	-9.45	-8.34	-6.93	-3.55	-29.62	
120	-14.74	-20.15	-20.64	-17.37	-11.86	-10.4	-6.15	-4.79	-1.89	-2.43	-3.93	-4.27	-29.62	
150	-11.63	-30.05	-18.8	-14.85	-11.12	-9.95	-8.13	-6.76	-3.41	-4.71	-7.09	-8.88	-29.62	
180	-10.71	-23.27	-18.42	-19.48	-19.11	-19.8	-22.48	-21.06	-16.87	-23.65	-20.74	-29.62	-29.62	
210	-12.64	-19.78	-16.61	-25.63	-15.86	-13.05	-9.15	-6.2	-4.89	-4.93	-6.34	-7.28	-29.62	
240	-17.42	-16.19	-24.14	-17.81	-11.53	-9.24	-5.27	-2.49	-1.27	-1.86	-2.84	-3.04	-29.62	
270	-19.35	-13.29	-18.68	-18.56	-16.19	-15.87	-14.93	-8.72	-6.61	-7.23	-4.08	-2.01	-29.62	
300	-13.78	-12.58	-11.4	-7.9	-6.07	-4.97	-6.21	-8.3	-12.92	-14.74	-7.62	-1.94	-29.62	
330	-11.23	-16.9	-13.28	-8.92	-6.61	-6.28	-6.05	-7.37	-9.3	-8.86	-6.69	-5.45	-29.62	
360	-11.05	-22.13	-24.8	-34.58	-27.16	-25.78	-23.36	-21.31	-42.43	-17.97	-22.09	-23.1	-29.62	

Polarization	Total	Channel			13		Freq		5790					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-10.45	-4.43	-0.91	0.69	-1.16	-5.42	-2.48	-1.84	-2.73	-2.03	-3.92	-6.16	-6.16	
30	-10.46	-5.2	-1.56	0.15	-1.21	-3.44	-1.59	-0.01	0.08	-2.12	-2.31	-3.69	-6.16	
60	-10.56	-7.2	-3.87	-2.52	-2.15	-3.89	-2.5	0.62	1.2	-2.77	-6.06	-3.03	-6.16	
90	-10.75	-10.2	-6.38	-7.23	-6.27	-14.79	-9.1	-0.86	1.86	0.17	-3.11	-2.93	-6.16	
120	-10.87	-13.79	-6.32	-4.9	-4.91	-3.95	-3.25	-0.45	3.42	3.12	-0.01	-1.83	-6.16	
150	-10.91	-13.24	-4.42	-1.53	-2.09	-0.74	-0.17	1.45	2.99	3.61	1.19	-1.31	-6.16	
180	-10.45	-10.71	-3.66	-0.51	-1.54	-0.21	0.48	1.43	1.18	2.41	1.21	-1.07	-6.16	
210	-10.55	-9.84	-3.99	-1.26	-2.35	-0.27	-0.39	1.75	2.76	3.09	0.39	-1.07	-6.16	
240	-10.6	-8.8	-5.3	-4.51	-4.19	-3.55	-1.39	1.36	3.79	2.28	-0.51	-1.64	-6.16	
270	-10.13	-7.22	-6.89	-7.55	-7.65	-13.66	-5.92	0.95	1.43	-1.54	-2.81	-1.83	-6.16	
300	-10.15	-5.68	-4.53	-2.91	-4.03	-4.19	-1.38	0.4	-0.26	-3.44	-4.89	-1.74	-6.16	
330	-10.29	-4.63	-1.64	-0.28	-1.51	-3.73	-1.73	-0.32	-0.84	-0.96	-2.12	-3.8	-6.16	
360	-10.45	-4.43	-0.91	0.69	-1.16	-5.42	-2.48	-1.84	-2.73	-2.03	-3.92	-6.16	-6.16	

Polarization	Theta	Channel			14		Freq		5810					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-20.72	-3.66	-1.2	0.47	-1.26	-5.3	-2.52	-1.77	-1.97	-2.1	-3.98	-5.99	-15.81	
30	-15.45	-5	-2.04	-0.61	-2.89	-6.22	-3.95	-1.24	-0.32	-2.46	-3.94	-5.69	-15.81	
60	-12.68	-8.15	-5.38	-4.86	-4.95	-11.93	-4.84	-0.7	0.95	-2.37	-7.44	-11.82	-15.81	
90	-12.23	-12.07	-7.51	-8.01	-7.17	-16.95	-9.41	-0.76	1.51	-0.29	-5.59	-11.93	-15.81	

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 Antenna #2
 [TX-On-board antenna-B]

120	-14.15	-13.69	-6.67	-5.06	-6.02	-4.82	-6.53	-2.01	2.01	1.82	-2.29	-5.51	-15.81
150	-20.23	-12	-4.77	-1.87	-2.68	-1.19	-0.91	0.82	1.76	2.98	0.52	-2.33	-15.81
180	-23.62	-10.16	-3.87	-0.79	-1.41	-0.12	0.48	1.41	0.93	2.59	1.25	-1.01	-15.81
210	-15.22	-9.72	-3.73	-1.22	-2.41	-0.36	-1.04	1.16	1.93	2.56	-0.64	-2.53	-15.81
240	-11.88	-9.16	-4.86	-4.54	-5.07	-4.81	-3.85	-0.8	2.28	0.45	-4.16	-6.92	-15.81
270	-10.9	-8.08	-6.63	-7.76	-8.02	-17.72	-6.84	0.56	0.66	-2.95	-8.92	-15.81	-15.81
300	-12.48	-6.12	-5.48	-4.47	-7.86	-11.61	-2.84	-0.37	-0.19	-4.15	-8.17	-14.51	-15.81
330	-16.71	-4.23	-2.33	-0.7	-3.35	-6.6	-3.47	-1.58	-1.29	-1.74	-3.67	-8.48	-15.81
360	-20.72	-3.66	-1.2	0.47	-1.26	-5.3	-2.52	-1.77	-1.97	-2.1	-3.98	-5.99	-15.81

Polarization	Phi	Channel			14		Freq		5810					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-12.25	-24.61	-25.29	-31.89	-27.9	-25.98	-22.56	-21.22	-37.38	-17.97	-21.74	-22.05	-32.1	
30	-14.17	-13.46	-9.79	-7.76	-6.69	-5.76	-5.71	-6	-7.11	-11.16	-9.57	-7.42	-32.1	
60	-20.25	-10.84	-8.84	-6.54	-4.68	-4.24	-5.72	-5.63	-8.52	-15.62	-12.86	-3.64	-32.1	
90	-23.64	-12	-12.89	-16.5	-14.46	-18.24	-21.53	-14.01	-9.56	-8.52	-7.26	-3.62	-32.1	
120	-15.24	-19.21	-22.5	-16.84	-11.59	-10.45	-5.73	-4.64	-2.2	-2.41	-3.43	-4.15	-32.1	
150	-11.9	-32.96	-19.75	-14.53	-11.32	-9.92	-8.17	-6.79	-3.78	-4.31	-6.76	-8.66	-32.1	
180	-10.92	-26.38	-19.8	-19.19	-19.88	-19.79	-22.99	-21.59	-16.66	-23.56	-20.64	-32.1	-32.1	
210	-12.5	-21.99	-16.65	-22.69	-16.36	-13.02	-9.07	-6.21	-4.8	-4.43	-6.05	-7.17	-32.1	
240	-16.73	-17.64	-25.43	-17.67	-11.8	-9.03	-4.91	-2.35	-1.03	-1.2	-2.87	-3.19	-32.1	
270	-20.74	-13.63	-21.1	-17.99	-16.21	-15.58	-14.18	-8.66	-6.46	-6.38	-3.9	-2.12	-32.1	
300	-15.47	-12.09	-12.38	-7.67	-6.09	-4.79	-6.14	-7.97	-12.29	-15.27	-7.82	-1.89	-32.1	
330	-12.7	-15.52	-14.2	-8.91	-6.77	-6.1	-5.87	-7.07	-9.13	-8.56	-6.8	-5.73	-32.1	
360	-12.25	-24.61	-25.29	-31.89	-27.9	-25.98	-22.56	-21.22	-37.38	-17.97	-21.74	-22.05	-32.1	

Polarization	Total	Channel			14		Freq		5810					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-11.68	-3.62	-1.18	0.47	-1.25	-5.26	-2.48	-1.72	-1.97	-1.98	-3.91	-5.88	-5.88	
30	-11.76	-4.42	-1.37	0.16	-1.38	-2.97	-1.73	0.01	0.5	-1.91	-2.89	-3.46	-5.88	
60	-11.98	-6.28	-3.76	-2.61	-1.8	-3.55	-2.25	0.51	1.41	-2.16	-6.34	-3.03	-5.88	
90	-11.93	-9.02	-6.4	-7.43	-6.42	-14.54	-9.15	-0.56	1.83	0.32	-3.33	-3.02	-5.88	
120	-11.65	-12.61	-6.56	-4.78	-4.96	-3.77	-3.1	-0.12	3.41	3.21	0.19	-1.77	-5.88	
150	-11.31	-11.96	-4.63	-1.64	-2.12	-0.64	-0.16	1.52	2.83	3.73	1.27	-1.42	-5.88	
180	-10.7	-10.05	-3.76	-0.73	-1.35	-0.07	0.5	1.43	1	2.61	1.28	-1.01	-5.88	
210	-10.64	-9.47	-3.51	-1.19	-2.24	-0.13	-0.4	1.89	2.76	3.36	0.46	-1.25	-5.88	
240	-10.65	-8.58	-4.82	-4.33	-4.23	-3.42	-1.34	1.5	3.94	2.72	-0.46	-1.66	-5.88	
270	-10.47	-7.01	-6.48	-7.37	-7.4	-13.51	-6.1	1.05	1.43	-1.32	-2.71	-1.94	-5.88	
300	-10.71	-5.14	-4.67	-2.77	-3.88	-3.97	-1.17	0.33	0.07	-3.82	-4.98	-1.66	-5.88	
330	-11.25	-3.92	-2.06	-0.09	-1.72	-3.33	-1.5	-0.5	-0.63	-0.92	-1.95	-3.88	-5.88	
360	-11.68	-3.62	-1.18	0.47	-1.25	-5.26	-2.48	-1.72	-1.97	-1.98	-3.91	-5.88	-5.88	

Polarization	Theta	Channel			15		Freq		5830					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-23.86	-3.07	-1.05	0.43	-1.2	-4.85	-2.85	-1.6	-1.79	-2.2	-3.73	-5.38	-15.33	
30	-18.28	-4.25	-2.45	-0.71	-2.28	-5.76	-4.63	-1.19	-0.29	-2.26	-3.43	-5.59	-15.33	
60	-14.62	-7.35	-5.39	-4.85	-4.73	-11.62	-5.5	-0.52	0.95	-2.31	-7.7	-11.41	-15.33	
90	-13.94	-11.29	-7.67	-7.59	-7.3	-16.58	-9.23	-0.77	1.24	0	-5.3	-11.79	-15.33	
120	-15.37	-13.15	-6.52	-4.51	-6.23	-4.82	-6.32	-1.93	1.84	2	-2.05	-5.29	-15.33	
150	-21.53	-11.55	-4.54	-1.3	-2.29	-1.25	-0.78	1.15	1.76	3.04	0.6	-2.23	-15.33	
180	-23.82	-9.95	-3.55	-0.35	-0.94	-0.12	0.72	1.53	1	2.62	1.34	-1.11	-15.33	
210	-15.63	-9.93	-3.35	-0.74	-1.8	-0.42	-0.76	1.35	1.85	2.49	-0.44	-2.19	-15.33	
240	-12.11	-9.34	-4.42	-4.14	-4.96	-4.69	-3.95	-1.07	2.54	0.58	-4.14	-7.29	-15.33	
270	-11.41	-8.24	-5.88	-7.05	-7.92	-17.99	-6.35	0.64	0.5	-2.79	-8.75	-15.33	-15.33	
300	-12.64	-6.03	-5.18	-4.15	-7.68	-11.32	-2.94	-0.39	-0.27	-3.93	-8.03	-14.16	-15.33	
330	-16.44	-3.91	-2.25	-0.72	-3.24	-6.19	-3.93	-1.16	-1.03	-1.74	-3.82	-8.15	-15.33	
360	-23.86	-3.07	-1.05	0.43	-1.2	-4.85	-2.85	-1.6	-1.79	-2.2	-3.73	-5.38	-15.33	

Polarization	Phi	Channel			15		Freq		5830					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-13.93	-28.61	-26.36	-30.3	-31.06	-25.05	-22.51	-21.32	-31.95	-18.51	-21.88	-21.49	-34.99	
30	-15.36	-12.76	-9.73	-7.79	-6.54	-5.63	-5.93	-5.8	-6.66	-10.62	-9.51	-6.95	-34.99	
60	-21.52	-9.8	-8.42	-6.66	-4.94	-4.45	-5.54	-4.91	-8.1	-14.21	-12.88	-3.36	-34.99	

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90	-23.81	-10.95	-12.62	-17.98	-15.13	-17.82	-23.16	-13.72	-9.44	-8.78	-6.84	-3.42	-34.99
120	-15.62	-18.61	-25.33	-16.17	-11.35	-10.53	-6.44	-4.79	-1.9	-2.38	-3.41	-4.1	-34.99
150	-12.1	-39.07	-19.44	-14.47	-11.25	-9.97	-8.35	-6.77	-3.76	-4.31	-6.26	-8.32	-34.99
180	-11.4	-26.86	-22.21	-19.4	-19.76	-20.04	-22.6	-21.44	-16.67	-23.39	-20.1	-34.99	-34.99
210	-12.63	-22.81	-16.87	-20.5	-16.73	-13.07	-9.38	-6.16	-5.04	-4.41	-6.03	-6.8	-34.99
240	-16.43	-18.27	-27.91	-16.87	-11.88	-8.9	-4.95	-2.39	-0.77	-1.1	-2.84	-3	-34.99
270	-23.85	-13.34	-21.04	-17.88	-15.95	-15.76	-13.63	-8.45	-6.37	-5.82	-4.04	-2.07	-34.99
300	-18.27	-11.81	-12.28	-7.51	-5.96	-4.73	-5.97	-7.7	-11.57	-15.82	-8.07	-2.06	-34.99
330	-14.61	-14.72	-14.24	-8.86	-6.82	-6.07	-5.62	-6.75	-8.67	-8.55	-7.37	-5.62	-34.99
360	-13.93	-28.61	-26.36	-30.3	-31.06	-25.05	-22.51	-21.32	-31.95	-18.51	-21.88	-21.49	-34.99

Polarization	Total	Channel			15		Freq		5830					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-13.51	-3.06	-1.04	0.43	-1.2	-4.81	-2.8	-1.55	-1.79	-2.1	-3.66	-5.28	-5.28	
30	-13.57	-3.68	-1.71	0.07	-0.9	-2.69	-2.22	0.1	0.61	-1.66	-2.47	-3.21	-5.28	
60	-13.82	-5.4	-3.64	-2.65	-1.82	-3.69	-2.51	0.83	1.46	-2.03	-6.55	-2.73	-5.28	
90	-13.52	-8.11	-6.47	-7.21	-6.64	-14.15	-9.05	-0.55	1.6	0.54	-2.99	-2.83	-5.28	
120	-12.48	-12.07	-6.47	-4.22	-5.07	-3.79	-3.37	-0.12	3.37	3.35	0.34	-1.65	-5.28	
150	-11.63	-11.55	-4.41	-1.09	-1.77	-0.71	-0.08	1.8	2.83	3.78	1.42	-1.28	-5.28	
180	-11.16	-9.87	-3.5	-0.3	-0.88	-0.08	0.74	1.55	1.07	2.63	1.38	-1.11	-5.28	
210	-10.87	-9.72	-3.17	-0.69	-1.66	-0.19	-0.2	2.06	2.66	3.3	0.62	-0.9	-5.28	
240	-10.75	-8.82	-4.41	-3.91	-4.16	-3.3	-1.41	1.33	4.2	2.84	-0.43	-1.63	-5.28	
270	-11.17	-7.07	-5.75	-6.7	-7.29	-13.73	-5.6	1.15	1.31	-1.03	-2.77	-1.87	-5.28	
300	-11.59	-5.01	-4.41	-2.5	-3.72	-3.87	-1.18	0.35	0.04	-3.65	-5.04	-1.8	-5.28	
330	-12.42	-3.57	-1.99	-0.1	-1.66	-3.12	-1.68	-0.1	-0.34	-0.91	-2.23	-3.69	-5.28	
360	-13.51	-3.06	-1.04	0.43	-1.2	-4.81	-2.8	-1.55	-1.79	-2.1	-3.66	-5.28	-5.28	

Polarization	Theta	Channel			16		Freq		5850					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-31.85	-2.96	-1.42	0.26	-1.33	-4.66	-3.42	-1.54	-2.04	-2.31	-3.99	-5.48	-14.76	
30	-20.19	-4.1	-2.8	-1.01	-2.58	-5.46	-5.27	-1.14	-0.6	-2.26	-4.04	-5.3	-14.76	
60	-15.79	-7.22	-5.58	-4.77	-4.81	-11.71	-5.89	-0.54	0.78	-2.21	-7.93	-11.5	-14.76	
90	-15.06	-11.26	-7.74	-7.19	-7.92	-16.51	-8.67	-0.65	1.06	-0.02	-5.21	-11.9	-14.76	
120	-16.36	-13.42	-6.42	-4.27	-6.64	-5	-6.14	-1.64	1.75	1.95	-2.03	-5.51	-14.76	
150	-22.51	-12	-4.55	-1.49	-2.2	-1.27	-0.58	1.02	1.4	3.01	0.67	-2.33	-14.76	
180	-23.05	-10.48	-3.25	-0.49	-0.85	-0.13	1.06	1.4	0.99	2.58	1.36	-0.82	-14.76	
210	-15.76	-10.8	-3.4	-0.59	-2.06	-0.56	-0.25	1.08	1.74	2.38	-0.27	-2.22	-14.76	
240	-12.48	-10.38	-3.84	-3.55	-5.09	-4.7	-3.66	-0.88	2.37	0.45	-4.02	-6.63	-14.76	
270	-12.05	-8.96	-5.49	-6.72	-8.09	-18.67	-6.26	0.62	0.55	-3	-8.67	-14.76	-14.76	
300	-13.5	-6.39	-4.99	-4.13	-7.57	-11.4	-3.5	-0.46	-0.49	-4.2	-8.2	-13.92	-14.76	
330	-17.64	-3.98	-2.72	-0.75	-3.48	-6.04	-4.79	-1.46	-1.39	-1.8	-4.01	-8.08	-14.76	
360	-31.85	-2.96	-1.42	0.26	-1.33	-4.66	-3.42	-1.54	-2.04	-2.31	-3.99	-5.48	-14.76	

Polarization	Phi	Channel			16		Freq		5850					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-15.02	-29.16	-29.06	-32.06	-31.05	-24.21	-23.45	-21.77	-29.2	-18.7	-22.51	-21.45	-31.37	
30	-16.32	-11.81	-10.03	-8.14	-6.78	-5.73	-5.53	-5.87	-6.55	-10.26	-9.61	-7.4	-31.37	
60	-22.47	-9.1	-8.42	-7.06	-5.38	-4.57	-5.69	-5.17	-7.98	-13.42	-13.11	-3.63	-31.37	
90	-23.01	-10.84	-12.79	-18.79	-15.9	-17.47	-23.3	-13.77	-9.7	-8.82	-6.94	-3.58	-31.37	
120	-15.72	-19.16	-32.32	-16.29	-11.42	-10.81	-6.57	-4.84	-1.9	-2.42	-3.3	-3.95	-31.37	
150	-12.44	-31.57	-17.87	-14.86	-11.16	-10.11	-8.7	-6.95	-3.77	-4.32	-6.65	-8.08	-31.37	
180	-12.01	-25.26	-22.61	-20.08	-19.28	-19.92	-22.43	-22.38	-16.62	-24.09	-19.74	-31.37	-31.37	
210	-13.46	-22.27	-17.39	-19.68	-17.62	-13.47	-9.83	-6.43	-5.08	-4.32	-5.86	-7.23	-31.37	
240	-17.6	-18.16	-28.8	-16.37	-12.25	-8.96	-4.95	-2.23	-0.77	-1.04	-3.07	-3.33	-31.37	
270	-31.81	-12.69	-18.44	-18.94	-15.98	-16.06	-13.45	-8.46	-6.37	-6.28	-4.68	-2.26	-31.37	
300	-20.15	-11.34	-11.48	-7.74	-6.05	-5.01	-5.87	-7.66	-11.37	-16.24	-8.55	-2.4	-31.37	
330	-15.75	-15.12	-13.33	-8.98	-7.11	-6.27	-5.36	-6.66	-8.6	-8.56	-7.78	-6.02	-31.37	
360	-15.02	-29.16	-29.06	-32.06	-31.05	-24.21	-23.45	-21.77	-29.2	-18.7	-22.51	-21.45	-31.37	

Polarization	Total	Channel			16		Freq		5850					
Phi\Theta	0	15	30	45	60	75	90	105	120	135	150	165	180	
0	-14.93	-2.95	-1.41	0.27	-1.32	-4.61	-3.37	-1.5	-2.03	-2.21	-3.93	-5.38	-5.38	
30	-14.82	-3.42	-2.04	-0.24	-1.18	-2.58	-2.39	0.12	0.38	-1.62	-2.98	-3.22	-5.38	

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Antenna #2
[TX-On-board antenna-B]

60	-14.94	-5.05	-3.76	-2.75	-2.07	-3.8	-2.78	0.74	1.32	-1.89	-6.78	-2.97	-5.38
90	-14.41	-8.03	-6.56	-6.9	-7.27	-13.95	-8.52	-0.45	1.41	0.52	-2.98	-2.98	-5.38
120	-13.01	-12.39	-6.41	-4	-5.39	-3.98	-3.34	0.06	3.31	3.3	0.39	-1.65	-5.38
150	-12.03	-11.95	-4.35	-1.29	-1.68	-0.73	0.05	1.66	2.55	3.74	1.41	-1.31	-5.38
180	-11.68	-10.34	-3.2	-0.44	-0.78	-0.08	1.08	1.42	1.07	2.59	1.39	-0.82	-5.38
210	-11.45	-10.5	-3.23	-0.53	-1.94	-0.34	0.21	1.79	2.56	3.22	0.79	-1.03	-5.38
240	-11.31	-9.71	-3.82	-3.32	-4.32	-3.31	-1.25	1.5	4.09	2.78	-0.51	-1.66	-5.38
270	-12	-7.43	-5.27	-6.46	-7.43	-14.16	-5.5	1.12	1.35	-1.33	-3.22	-2.02	-5.38
300	-12.65	-5.18	-4.11	-2.56	-3.73	-4.11	-1.51	0.29	-0.15	-3.94	-5.36	-2.1	-5.38
330	-13.58	-3.66	-2.36	-0.14	-1.91	-3.14	-2.05	-0.32	-0.63	-0.97	-2.49	-3.92	-5.38
360	-14.93	-2.95	-1.41	0.27	-1.32	-4.61	-3.37	-1.5	-2.03	-2.21	-3.93	-5.38	-5.38