

Antenna Gain Measurement Report

Report No.: ORBFLF-WTW-P24020330A R1

Model No.: TUF-BE6500

Received Date: 2024.5.21

Test Date: 2024.5.22

Issued Date: 2024.7.3

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Release Control Record

Issue No.	Description	Date Issued
ORBFLF-WTW-P24020330A	Original release	2024.6.17
ORBFLF-WTW-P24020330A R1	Update model name	2024.7.3

1 EUT Antenna System Description

1.1 Antenna Information

Frequency Range (GHz)	Brand Name	Model Name	Antenna Type	Connector Type	Antenna Position	RF Chain NO.
2.4~2.4835	RFlink	8000000056992634	Dipole	ipex(MHF)	2.4G1	0
2.4~2.4835	RFlink	8000000056982634	Dipole	ipex(MHF)	2.4G2	1
5.15~5.25	RFlink	8000000056952634	Dipole	ipex(MHF)	5G1	0
5.25~5.35			Dipole	ipex(MHF)		
5.47~5.725			Dipole	ipex(MHF)		
5.725~5.85			Dipole	ipex(MHF)		
5.15~5.25	RFlink	8000000057002634	Dipole	ipex(MHF)	5G1	1
5.25~5.35			Dipole	ipex(MHF)		
5.47~5.725			Dipole	ipex(MHF)		
5.725~5.85			Dipole	ipex(MHF)		
5.15~5.25	RFlink	8000000056972634	Dipole	ipex(MHF)	5G1	2
5.25~5.35			Dipole	ipex(MHF)		
5.47~5.725			Dipole	ipex(MHF)		
5.725~5.85			Dipole	ipex(MHF)		
5.15~5.25	RFlink	8000000056962634	Dipole	ipex(MHF)	5G1	3
5.25~5.35			Dipole	ipex(MHF)		
5.47~5.725			Dipole	ipex(MHF)		
5.725~5.85			Dipole	ipex(MHF)		

1.2 Antenna Location (Configuration and RF Chains)

Please refer to another document - Test Setup and EUT antenna port photo. (Appendix B.)

2 Antenna Measurement

2.1 Antenna Measurement Chamber

Chamber Type	Chamber Size
Fully Anechoic Chamber	Length: 7.32 m Width: 3.66 m Height: 3.51 m

Type of Equipment	Model Number	Serial Number
ETS Anechoic Chamber (OTA3-HY)	AMS-8500	CT0000411-1132
Multi-Axis Positioning System	ETS 2090-OPTI	00086248

Note: The test was performed in CITA OTA distributed-axes system.

2.2 Reference Standard

ANSI 63.10-2013 clause 13

IEEE std. 149-2021

KDB 662911 D01

2.3 Block diagram of antenna test set-up

In far field chamber, rotation around theta axis corresponds to the elevation angle u and around the phi axis corresponds to the azimuth angle ϕ . When measuring a 3D radiation pattern, the rotation table rotates around the theta from 0° to 180° and the rotation arm revolves around the phi axis between 0° and 360° . The vertical E field actually corresponds to the horizontal polarization and vice versa..

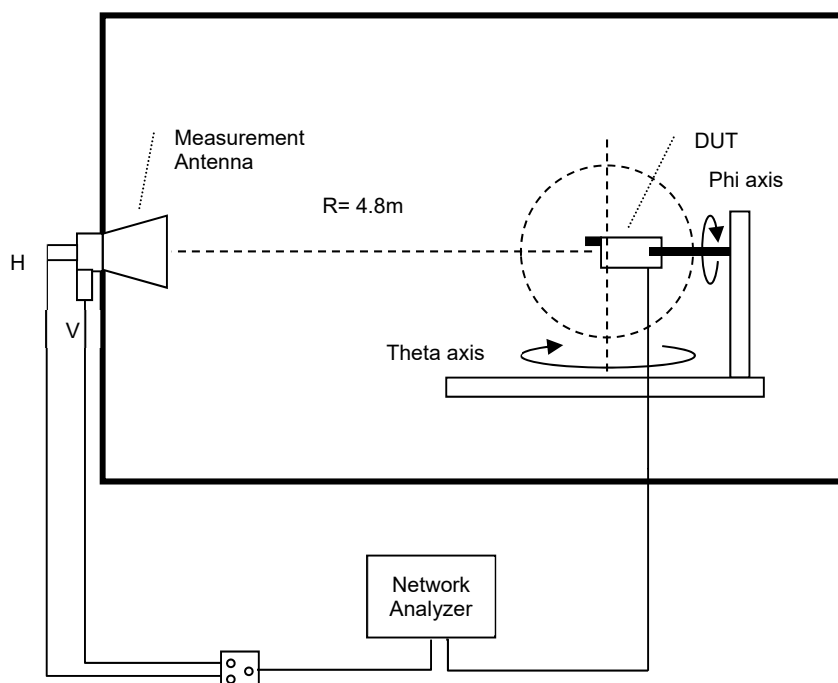


Figure 1. Antenna Pattern Test System.

2.4 Block diagram of calibration

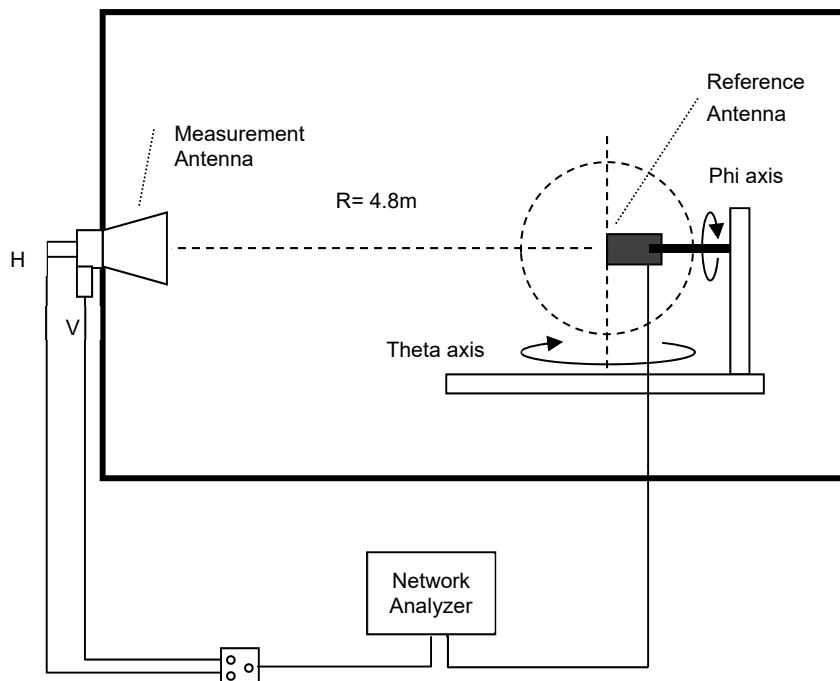
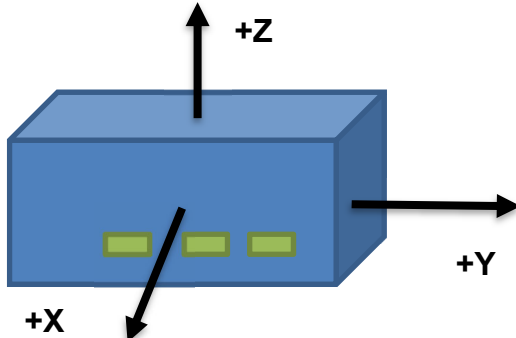


Figure 2. Calibration configuration.

2.5 Measurement Setup

Chamber Placement
To minimize the physical volume occupied by the EUT during testing, the center of rotation shall be the three-dimensional geometric center of the EUT and not the antenna
Positioning an Integrated Device Relative to the Chamber Coordinate System
The reference plane for the EUT is defined as the plane on which the base of the EUT sits. This plane will be normal to the phi axis of the chamber.
Before placing the EUT in the chamber, place the integrated device on a level surface and measure the height, width and depth (H, W, D) of the device to determine the center of each (mark with tape if need).
The center of the height, width and depth of the device shall be located at the origin of the chamber coordinate system.


2.6 EUT Operation mode

Band	Modulation Mode	CDD mode	Beamforming mode
2.4GHz	802.11b	Nss1	Not Support
	802.11g	Nss1	Not Support
	802.11n(HT20)	Nss1 / Nss2	Nss1 / Nss2
	802.11n(HT40)	Nss1 / Nss2	Nss1 / Nss2
	802.11n(VHT20)	Nss1 / Nss2	Nss1 / Nss2
	802.11n(VHT40)	Nss1 / Nss2	Nss1 / Nss2
	802.11ax(HE20)	Nss1 / Nss2	Nss1 / Nss2
	802.11ax(HE40)	Nss1 / Nss2	Nss1 / Nss2
5GHz	802.11a	Nss1	Not Support
	802.11n(HT20)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11n(HT40)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ac(VHT20)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ac(VHT40)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ac(VHT80)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ac(VHT160)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ax(HE20)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ax(HE40)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ax(HE80)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4
	802.11ax(HE160)	Nss1 / Nss2 / Nss3 / Nss4	Nss1 / Nss2 / Nss3 / Nss4

Note: The NSS 1 mode (legacy) and NSS1 / NSS 2 (802.11ac/ax/be) for both 2.4GHz, 5GHz bands for final testing.

Band	Modulation Mode	Ant1	Ant2	Ant3	Ant4
2.4GHz	802.11b	TX/RX	TX/RX	-	-
	802.11g	TX/RX	TX/RX	-	-
	802.11n(HT20)	TX/RX	TX/RX	-	-
	802.11n(HT40)	TX/RX	TX/RX	-	-
	802.11n(VHT20)	TX/RX	TX/RX	-	-
	802.11n(VHT40)	TX/RX	TX/RX	-	-
	802.11ax(HE20)	TX/RX	TX/RX	-	-
	802.11ax(HE40)	TX/RX	TX/RX	-	-
5GHz	802.11a	TX/RX	TX/RX	TX/RX	TX/RX
	802.11n(HT20)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11n(HT40)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ac(VHT20)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ac(VHT40)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ac(VHT80)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ac(VHT160)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ax(HE20)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ax(HE40)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ax(HE80)	TX/RX	TX/RX	TX/RX	TX/RX
	802.11ax(HE160)	TX/RX	TX/RX	TX/RX	TX/RX

2.7 Test Setup Diagram for EUT

Please refer to another document - Test Setup and EUT antenna port photo. (Appendix B.)

2.8 Test Instruments

TYPE OF EQUIPMENT	MODEL NUMBER	SERIAL NUMBER	DATE OF CALIBRATION	DUE DATE OF CALIBRATION	CALIBRATION CYCLE
(OTA3-HY) ETS Anechoic Chamber	AMS-8500	CT0000411-1132	N/A	N/A	N/A
Multi-Axis Positioning System	ETS 2090-OPTI	00086248	N/A	N/A	N/A
Horn Antenna	ETS 3164-08	00157567	N/A	N/A	N/A
Switch Control	Agilent 3499A	MY42005285	N/A	N/A	N/A
Network Analyzer	E5071C	MY46104190	2023/5/29	2024/5/28	12 months
Test Software	ETS-Lindgren EMQuest V1.14 build 31654	1281	N/A	N/A	N/A

Note 1: The test was performed in CITA OTA distributed-axes system.

Note 2: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2.9 Test Procedure

1. The Antenna Gain Test is performed according to The ANSI/IEEE Std 149 12.3.1 Antenna Gain
2. (Small size (< 42cm) Linear Polarization Antennas), using a two-axis support device and one fixed measurement antenna. The EUT is positioned along the required MAPS centerline fixture holder. The EUT is then stepped between 0 and 180 degrees along the theta axis in 15-degree increments. At each theta position, the phi axis is stepped from 0-360 degrees in 15-degree increments. Data is recorded using the Network analyzer for both theta and phi polarizations at each position. Depending on the protocol, an appropriate filter is used in the EMQuest software to process the data. Upon completion of the test, test results (angular dependent EIRP) is calculated at each measurement point and the required value is automatically calculated. This test procedure is repeated for frequency and configuration as required.
3. Repeat step 1 and measures all of antenna gain for each Phi and Theta polarization for all antenna angles.
4. Considering each combination of phi and theta for all angles of each antenna, Directional Gain are calculated according to the FCC KDB662911 D01 d) (i) or e) (ii) formula.
5. Investigate composite antenna gain at all angles by program and determine maximum gain and Phi/Theta position (Direction gain is calculated for each angle then maximum gain is selected.).

2.10 Summary Test Result

Tested By	Leo Chen
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Individual Antenna Maximum Peak Gain:

Frequency Band (GHz)	2.4	2.45	2.5	-	-	-	-	-	-
Ant. 1 (dBi)	3.65	3.95	3.62	-	-	-	-	-	-
Polarization	Theta	Theta	Theta	-	-	-	-	-	-
Axis: Theta(°)	45	45	45	-	-	-	-	-	-
Axis: Phi(°)	75	75	75	-	-	-	-	-	-
Ant. 2 (dBi)	3.07	2.06	1.96	-	-	-	-	-	-
Polarization	Theta	Theta	Theta	-	-	-	-	-	-
Axis: Theta(°)	60	60	90	-	-	-	-	-	-
Axis: Phi(°)	345	345	210	-	-	-	-	-	-
Ant. 3 (dBi)	-	-	-	-	-	-	-	-	-
Polarization	-	-	-	-	-	-	-	-	-
Axis: Theta(°)	-	-	-	-	-	-	-	-	-
Axis: Phi(°)	-	-	-	-	-	-	-	-	-
Ant. 4 (dBi)	-	-	-	-	-	-	-	-	-
Polarization	-	-	-	-	-	-	-	-	-
Axis: Theta(°)	-	-	-	-	-	-	-	-	-
Axis: Phi(°)	-	-	-	-	-	-	-	-	-

Maximum Directional Gain (Maximum Direction Angle and Value):

Frequency Band (GHz)	2.4	2.45	2.5	-	-	-	-	-	-
Ant. 1 (dBi)	3.29	2.62	1.67	-	-	-	-	-	-
Ant. 2 (dBi)	1.74	1.84	1.96	-	-	-	-	-	-
Ant. 3 (dBi)	-	-	-	-	-	-	-	-	-
Ant. 4 (dBi)	-	-	-	-	-	-	-	-	-
Polarization	Theta	Theta	Theta	-	-	-	-	-	-
Axis: Theta(°)	75	75	90	-	-	-	-	-	-
Axis: Phi(°)	180	150	210	-	-	-	-	-	-
Correlated Signals DG Calculation $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$									
DG (dBi) [1SS]	5.56	5.25	4.83	-	-	-	-	-	-

Frequency Band (GHz)	5.15	5.25	5.35	5.47	5.725	5.85	-	-	-
Ant. 1 (dBi)	1.78	1.86	2.53	2.14	1.82	1.65	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	-	-	-
Axis: Theta(°)	75	105	90	75	105	105	-	-	-
Axis: Phi(°)	165	180	15	150	180	180	-	-	-
Ant. 2 (dBi)	3.11	3.45	2.86	4.02	3.37	2.96	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	-	-	-
Axis: Theta(°)	105	60	105	105	90	105	-	-	-
Axis: Phi(°)	150	150	150	150	210	135	-	-	-
Ant. 3 (dBi)	2.89	2.66	3.03	3.48	3.51	2.69	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	-	-	-
Axis: Theta(°)	105	105	105	90	75	75	-	-	-
Axis: Phi(°)	135	135	150	165	150	150	-	-	-
Ant. 4 (dBi)	3.41	3.24	3.76	2.64	2.27	2.11	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	-	-	-
Axis: Theta(°)	105	105	105	90	105	105	-	-	-
Axis: Phi(°)	75	60	75	90	120	195	-	-	-

Maximum Directional Gain (Maximum Direction Angle and Value):

Frequency Band (GHz)	5.15	5.25	5.35	5.5	5.65	5.85	-	-	-
Ant. 1 (dBi)	1.34	0.92	0.16	1.84	1.54	0.22	-	-	-
Ant. 2 (dBi)	3.11	3.22	2.86	3.8	1.05	0.62	-	-	-
Ant. 3 (dBi)	1.28	0.96	3.03	2.61	1.85	2.34	-	-	-
Ant. 4 (dBi)	0.77	0.88	0.32	-0.76	2.07	0.44	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	-	-	-
Axis: Theta(°)	105	105	105	90	105	75	-	-	-
Axis: Phi(°)	150	150	150	195	195	195	-	-	-
Correlated Signals DG Calculation $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$									
DG (dBi) [1SS]	7.69	7.58	7.72	8.05	7.66	6.97	-	-	-
Correlated Signals DG Calculation $10 \log[(10^{G1/20\sqrt{Pn1,1}} + 10^{G2/20\sqrt{Pn1,2}} + \dots + 10^{GN/20\sqrt{Pn1,n}})^2 / N_{ANT}]$									
DG (dBi) [2SS]	4.70	4.59	4.71	5.08	4.65	3.97	-	-	-

Note:

- ◆ The individual antenna gain and directional gain are by measurement as indicated in above table. For devices transmitter supports MIMO and use same antenna at multiple antenna ports. The direction gain values are follow FCC KDB 662911 D01 into calculation.
- ◆ The applicable limit is subjected to FCC Part 15 regulation and devices transmitter design/specification (i.e., SISO or MIMO etc.). Detail of conformity limit to be described in EUT FCC test reports.

APPENDIX A – Detail Test Data Information

A.1 Radiated Directional Gain

Ant.	No.1																								
Freq. (MHz)	2400																								
Polarity	Theta																								
dB	ϕ (0°)	ϕ (15°)	ϕ (30°)	ϕ (45°)	ϕ (60°)	ϕ (75°)	ϕ (90°)	ϕ (105°)	ϕ (120°)	ϕ (135°)	ϕ (150°)	ϕ (165°)	ϕ (180°)	ϕ (195°)	ϕ (210°)	ϕ (225°)	ϕ (240°)	ϕ (255°)	ϕ (270°)	ϕ (285°)	ϕ (300°)	ϕ (315°)	ϕ (330°)	ϕ (345°)	ϕ (360°)
θ (0°)	-11.22	-9.22	-7.94	-7.18	-7.5	-8.47	-9.48	-11.73	-17.04	-28.22	-23.98	-16.5	-12.93	-10.62	-8.77	-8.05	-8.39	-8.68	-9.75	-12.3	-16.88	-30.4	-22.84	-16.07	-11.22
θ (15°)	-6.23	-5.24	-3.63	-3.27	-3.61	-4.49	-5.55	-6.1	-7.03	-9.37	-12.21	-17.09	-22.16	-16.64	-14.78	-16.76	-18.87	-15.89	-13.19	-11.6	-9.22	-7.29	-7.19	-7.09	-6.23
θ (30°)	-9.35	-6.78	-6.64	-10.53	-8.49	-5.58	-4.52	-4.75	-6.8	-7.88	-5.82	-4.92	-8.42	-6.66	-4.09	-4.93	-6.49	-7.32	-7.71	-7.06	-3.99	-1.5	-1.59	-4.1	-9.35
θ (45°)	-7.4	-7.17	-4.08	1.61	3.41	[3.65]	2.94	1.72	1.21	-0.15	-1.93	-0.17	-2.19	-1.17	-0.84	-1.78	-1.64	-1.73	-1.98	-2.19	-1.65	-0.69	-1.23	-4.72	-7.4
θ (60°)	-2.5	-2.74	-1.15	1.6	1.15	-0.7	-1.15	-0.34	-0.43	1.05	2.39	1.48	1.81	1.1	1.43	1.46	1.34	1.34	1.5	1.23	0.47	-0.6	-2.87	-3.46	-2.5
θ (75°)	0.23	0.88	-0.48	1.12	0.78	0.11	-1.25	-1.27	-1.21	-1.95	2.63	1.54	3.29	1.99	2.58	2.64	2.8	1.76	0.39	-0.37	-0.43	-0.18	0.24	0.71	0.23
θ (90°)	0.11	1.78	-2.82	0.91	2.92	2.11	0.3	-2.45	-2.95	-3.54	-1.26	0.81	0.79	1.67	1.07	2.09	2.47	1.02	-1.83	-1.82	-0.44	0.32	1.31	2.13	0.11
θ (105°)	-2.37	-0.14	-12.87	-0.52	-0.05	-1.75	-4.07	-6.05	-6.55	-3.07	-0.69	-2.56	-1.4	-1.06	-0.83	-0.88	-0.81	-1	-2.22	-1.61	-0.98	-0.61	-1.18	0.1	-2.37
θ (120°)	-3.86	-1.69	-8.84	-3.13	-2.05	-3.51	-5.13	-6.59	-9.06	-9.59	-3.43	-5.67	-5.48	-4.41	-3.88	-0.72	-1.13	-2.17	-2.46	-3.7	-4.87	-4.72	-3.38	-3.63	-3.86
θ (135°)	-3.21	-3.14	-4.52	-6.71	-7.26	-6.84	-8.83	-13.76	-18.12	-9.99	-6.02	-6.12	-2.58	-1.84	-2.29	-0.7	-0.08	-1.04	-2.04	-2.09	-2.81	-4.65	-3.8	-3.57	-3.21
θ (150°)	-3.77	-3.43	-4.13	-7.4	-12.84	-12.31	-12.08	-14.89	-13.99	-14.83	-18.34	-16.61	-10.31	-6.37	-4.79	-4.55	-4.7	-4.34	-4.57	-5.72	-6.27	-4.15	-2.99	-3.44	-3.77
θ (165°)	-5.06	-3.88	-4.4	-6.49	-8.89	-12.46	-14.25	-13.52	-15.55	-16.3	-14.07	-11.24	-9.81	-9.98	-12.38	-18.28	-35.7	-18.63	-13.29	-10.85	-9.35	-8.2	-7.55	-7.02	-5.06
θ (180°)	-16.57	-19.28	-26.02	-16.46	-14.55	-13.28	-11.88	-12.02	-12.34	-12.88	-13.94	-15.23	-16.65	-18.66	-20.22	-19.3	-15.55	-12.67	-12.41	-12.23	-11.94	-12.37	-13.22	-14.93	-16.57
Polarity	Phi																								
dB	ϕ (0°)	ϕ (15°)	ϕ (30°)	ϕ (45°)	ϕ (60°)	ϕ (75°)	ϕ (90°)	ϕ (105°)	ϕ (120°)	ϕ (135°)	ϕ (150°)	ϕ (165°)	ϕ (180°)	ϕ (195°)	ϕ (210°)	ϕ (225°)	ϕ (240°)	ϕ (255°)	ϕ (270°)	ϕ (285°)	ϕ (300°)	ϕ (315°)	ϕ (330°)	ϕ (345°)	ϕ (360°)
θ (0°)	-9.86	-12.4	-17.82	-26.69	-29.01	-17.03	-14.36	-12.65	-10.39	-8.88	-8.66	-8.94	-9.88	-12.39	-17.95	-31.15	-21.23	-15.26	-11.44	-9.22	-8.4	-7.72	-7.52	-8.32	-9.86
θ (15°)	-10.83	-12.19	-14.4	-15.86	-15.22	-11.91	-9.66	-9.34	-8.98	-7.87	-7.61	-8.58	-10.44	-12.77	-14.24	-14.58	-14.58	-13.59	-11.82	-9.62	-8.68	-9.07	-10.2	-10.84	-10.83
θ (30°)	-9.39	-10.53	-16.65	-20.75	-15.22	-13.37	-13.14	-11.57	-11.19	-11.38	-10.13	-10.17	-13.29	-16.2	-14.8	-14.67	-13.93	-12.75	-11.3	-9.02	-7.72	-7.94	-11.01	-13.02	-9.39
θ (45°)	-12.74	-23.68	-11.18	-10.99	-14.45	-12.46	-11.13	-11.27	-11.63	-17.75	-15.31	-14.32	-19.46	-25.49	-29.86	-19.9	-16.76	-18.66	-19.13	-14.89	-9.77	-7.93	-12.4	-17.17	-12.74
θ (60°)	-15.91	-23.8	-14.62	-22.82	-16.16	-9.84	-9.1	-13.16	-15.31	-14.19	-18.69	-13.98	-21.49	-18.91	-13.77	-15.81	-19.9	-15.59	-12.91	-11.7	-10	-8.55	-10.49	-14.19	-15.91
θ (75°)	-11.44	-16.14	-22.21	-25.7	-17.19	-9.51	-6.08	-7.83	-14.65	-12.27	-17.45	-14.75	-10.18	-10.89	-10.35	-12.43	-11.78	-8.53	-7.14	-8.4	-8.73	-5.36	-7.51	-12.54	-11.44
θ (90°)	-11.51	-21.05	-13.65	-13.5	-29.55	-20.62	-10.84	-7.93	-12.77	-17.11	-16.02	-8	-11.41	-8.73	-9.91	-8.51	-8.14	-4.88	-3.91	-6.21	-9.49	-7.78	-10.85	-13.66	-11.51
θ (105°)	-12.59	-19.65	-12.26	-8.39	-12.63	-11.73	-7.29	-7.86	-20.81	-16.01	-14.45	-16.02	-13.36	-8.54	-8.53	-7.77	-5.26	[-2.86]	-3.9	-7.68	-7.73	-7.19	-10.6	-16.34	-12.59
θ (120°)	-15.84	-24.53	-12.48	-7.14	-9.05	-12.66	-9.6	-9.54	-11.09	-15.91	-11.16	-8.91	-17.66	-11.51	-10.66	-9.88	-7.83	-5.6	-7.17	-11.79	-12.59	-13.45	-14.94	-17.83	-15.84
θ (135°)	-17.48	-28.59	-9.61	-4.23	-5.6	-12.66	-13.07	-10.74	-11.64	-11.48	-8.22	-11.77	-10.78	-8.05	-11.6	-16.77	-15.08	-13.15	-16.2	-23.69	-12.5	-9.55	-11.89	-20	-17.48
θ (150°)	-15.69	-20.04	-13.91	-8.09	-8.19	-12.96	-30.06	-17.84	-13.65	-14.24	-14.58	-19.46	-17.61	-9.21	-7.84	-9.77	-12.84	-14.02	-13.53	-13.92	-12.57	-12.3	-18.58	-24.06	-15.69
θ (165°)	-23.82	-17.5	-11.48	-8.1	-7.87	-9.62	-11.23	-15.82	-20.06	-13.89	-12.49	-14.35	-21.57	-21.48	-11.66	-8.5	-7.16	-6.7	-7.08	-7.82	-9.64	-12.96	-17.4	-20.91	-23.82
θ (180°)	-14.9	-14.8	-15.17	-14.96	-17.51	-20.12	-17.43	-18.27	-18.42	-15	-13.57	-13.21	-12.51	-11.95	-12.58	-13.75	-13.72	-13.43	-14.28	-17.27	-20.85	-21.25	-17.14	-15.37	-14.9

Ant.	No.1																								
Freq (MHz)	2450																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-20.69	-17.37	-15.68	-14.53	-13.88	-13.24	-13.07	-15.18	-18.05	-20.43	-28.38	-29.25	-21.03	-18	-17.07	-16.04	-14.12	-14.57	-15.78	-16.41	-18.26	-24.2	-30.29	-21.61	-20.69
θ (15°)	-8.5	-7.74	-6.03	-4.76	-4.82	-5.56	-5.95	-6.41	-7.09	-7.35	-8.68	-11.63	-13.56	-12.41	-10.72	-11.42	-13.68	-13.59	-11.25	-9.41	-8.2	-7.12	-6.84	-7.85	-8.5
θ (30°)	-8.77	-6.76	-5.3	-9.58	-13.2	-8.07	-6.15	-6.89	-7.96	-7.75	-4.55	-3.74	-6.13	-4.85	-3.55	-4.16	-5.15	-5.95	-6.46	-6.24	-4.42	-1.68	-1	-3.62	-8.77
θ (45°)	-6.74	-4.52	-4.99	0.86	3.58	[3.95]	3.02	1.94	1.3	-0.18	-2.11	0.08	-1.49	-0.9	-1.21	-1.1	-0.86	-0.58	-0.32	-1.15	-2.14	-1.12	-1.09	-3.24	-6.74
θ (60°)	-3.27	-2.29	-0.88	1.62	1.93	0.17	-0.91	-0.51	-0.4	1.57	2.28	0.78	1.85	1.06	1.27	1.08	1.09	1.75	1.9	1.45	0.69	-0.04	-2.58	-2.76	-3.27
θ (75°)	-0.65	0.7	-0.9	0.84	-0.37	-1.52	-2.67	-3.38	-2.63	-1.6	2.62	0.53	3.15	1.65	2.85	2.37	2.91	2.12	0.81	-0.2	-0.32	0.7	-0.52	0.38	-0.65
θ (90°)	0.19	1.26	-2.03	0.09	2.04	1.18	-0.21	-2.84	-3.28	-3.71	-0.29	0.58	1.62	1.49	2.44	2.52	3.04	0.35	-3.03	-2.37	-0.12	1.14	1.33	1.67	0.19
θ (105°)	-1.17	0.47	-9.41	-0.58	0.41	-1.67	-3.83	-5.43	-5.28	-1.5	0.14	-1.22	0.66	-0.34	0.94	-0.43	0.27	-1.46	-3.62	-1.91	-0.07	0.73	-0.11	0.67	-1.17
θ (120°)	-2.87	-0.86	-6.31	-3.55	0.03	-0.84	-3.34	-6.28	-8.62	-4.59	-2.06	-4.3	-2.07	-3.28	-1.67	-0.82	-2.21	-0.72	-0.63	-1.98	-2.48	-1.63	-2.32	-1.07	-2.87
θ (135°)	-2.83	-2.72	-4.79	-8.21	-5.1	-4.89	-8.22	-13.71	-11.62	-7.56	-5.29	-4.9	-2.52	-3.05	-2.66	-0.71	-0.91	-1.57	-1.64	-1.47	-1.88	-3.73	-2.75	-1.79	-2.83
θ (150°)	-4.46	-3.86	-4.1	-8.17	-19.41	-12.75	-12.9	-17.22	-16.74	-17.28	-19.54	-23.52	-11.9	-7.87	-6.45	-5.6	-4.35	-4.3	-4.56	-4.68	-5.48	-4.9	-3.54	-3.92	-4.46
θ (165°)	-7.46	-6.36	-6.53	-7.7	-10.04	-13.76	-14.58	-15.42	-18.16	-19.02	-15.87	-13.26	-12.21	-13.75	-17.78	-24.75	-19.46	-13.29	-11.88	-10.33	-8.97	-8.53	-8.87	-8.93	-7.46
θ (180°)	-24.57	-34.27	-22.22	-17.79	-16.11	-14.02	-13.18	-13.79	-14.54	-14.79	-16.23	-18.6	-24.13	-49.98	-27.33	-19.84	-18.17	-18.08	-14.8	-14.09	-15.65	-16.17	-16.91	-19.45	-24.57
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.28	-17.66	-18.2	-20.51	-32.35	-32.45	-22.07	-17.08	-15.52	-15.43	-14.14	-13.57	-14.55	-16.02	-17.99	-23.02	-41.97	-26.79	-22.8	-17.23	-14.84	-15.62	-15.36	-14.88	-16.28
θ (15°)	-16.66	-15.89	-19.1	-19.86	-15.78	-14.05	-14.64	-13.22	-12.02	-11.72	-11.13	-11.52	-13.64	-16.29	-17.29	-17.45	-18.27	-19.57	-18.06	-15.37	-13.55	-13.61	-15.27	-17.24	-16.66
θ (30°)	-13.72	-14.35	-22.24	-16.87	-13.08	-12.94	-12.11	-11.62	-11.96	-11.88	-10.76	-10.75	-13.42	-19.34	-19.18	-18.54	-16.51	-14.79	-14.34	-14.69	-13.43	-10.4	-11.92	-20.54	-13.72
θ (45°)	-16.24	-18.16	-10.18	-10.02	-14.96	-17.31	-14.6	-15.47	-18.6	-24.65	-14.1	-14.71	-15.27	-18.17	-20.03	-35.12	-18.14	-20.78	-28.8	-25.92	-17.2	-9.77	-11.27	-20.41	-16.24
θ (60°)	-18.16	-18.3	-12.08	-16.78	-19.42	-10.06	-8.74	-12.46	-19.13	-18.91	-15.89	-14.98	-17.6	-15.55	-12.18	-16.16	-25.11	-24.01	-15.81	-13.56	-14.08	-10.66	-10.73	-21.32	-18.16
θ (75°)	-12.9	-15.95	-17.9	-23.19	-17.78	-10.17	-6.52	-7.79	-17.02	-15.94	-15.28	-19.2	-10.95	-12.94	-10.16	-11.07	-11.62	-11.18	-8.86	-9.37	-13.51	-8.48	-8.67	-13.56	-12.9
θ (90°)	-11.37	-18.35	-15.78	-12.95	-22.15	-32.69	-13.71	-8.82	-10.96	-23.5	-13.54	-9.8	-14.26	-11.25	-10.84	-9.78	-8.66	-6.86	-5.82	-7.63	-13.77	-11.58	-12.2	-19.01	-11.37
θ (105°)	-12.24	-19.31	-13.34	-9.23	-11.82	-14.4	-9.02	-9.1	-16.94	-20.68	-13.17	-18.24	-15.81	-11.11	-11.42	-10.13	-6.39	[-4.11]	-5.2	-11.06	-12.04	-11.1	-12.48	-19.53	-12.24
θ (120°)	-14.58	-20.83	-11.1	-6.8	-8.13	-14	-12.1	-10.3	-10.95	-14.26	-10.4	-11.25	-30.26	-15.05	-15	-14.32	-11.01	-8.42	-8.69	-15.24	-15.73	-23.03	-14.53	-23.14	-14.58
θ (135°)	-19.59	-30.01	-9.25	-5.38	-6.78	-14.19	-14.35	-9.81	-10.68	-10.74	-9.32	-16.47	-11.56	-10.42	-15.73	-17.4	-17.25	-18.12	-21.2	-22.92	-22.27	-13.62	-12.81	-20.25	-19.59
θ (150°)	-16.12	-23.58	-13.23	-9.15	-9.37	-13.28	-31.98	-14.7	-13.08	-13.8	-15.05	-27.95	-15.03	-9.76	-9.1	-9.79	-10.87	-14.6	-18.79	-19.67	-20.88	-19.27	-23.04	-19.9	-16.12
θ (165°)	-21.77	-17.75	-12.38	-9.83	-9.96	-10.57	-12.57	-19.51	-21.21	-18.51	-18.09	-21.08	-37.07	-17.67	-11.87	-9.09	-8.02	-8.53	-10.59	-10.92	-12.05	-16.92	-25.33	-24.57	-21.77
θ (180°)	-15.61	-15.25	-14.53	-16.11	-20.94	-19.91	-25.38	-27.75	-20.72	-19.68	-18.61	-16.62	-15.69	-15.11	-14.13	-14.55	-19.11	-19.82	-17.05	-23.16	-29.58	-25.59	-24.14	-18.81	-15.61

L	No.1																								
Freq. (MHz)	2500																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-21.47	-19.7	-17.24	-15.78	-15	-15.24	-16.93	-17.15	-18.05	-22.66	-34.08	-32.59	-22.76	-20.2	-18.44	-17.4	-17	-16.22	-16.97	-20.01	-23.37	-23.98	-25.51	-25.84	-21.47
θ (15°)	-8.21	-7.56	-6.99	-6.22	-6.06	-6.36	-6.67	-6.86	-6.54	-6.62	-8.7	-11.72	-12.04	-9.67	-8.35	-8.6	-10.02	-11.82	-10.49	-8.49	-7.95	-7.82	-6.98	-6.92	-8.21
θ (30°)	-8.15	-8.23	-6.71	-10.52	-20.76	-11.53	-9.81	-10.43	-10.47	-7.09	-3.38	-3.8	-5.84	-3.49	-2.21	-2.55	-3.66	-5.28	-6.2	-6.62	-5.54	-2.93	-1.13	-2.46	-8.15
θ (45°)	-7.39	-4.88	-3.71	1.11	3.59	[3.62]	2.76	1.79	0.91	-0.87	-1.27	-0.19	-2.14	-0.73	-0.22	-0.05	-0.87	-0.99	-0.6	-0.93	-2.4	-2.72	-1.49	-2.48	-7.39
θ (60°)	-3.3	-2.21	-0.06	2.35	2.43	0.13	-0.71	0.13	0.38	2.24	1.72	0.97	1.23	0.39	1.11	1.21	1.25	1.54	1.44	1.25	0.6	0.26	-2.28	-2.38	-3.3
θ (75°)	-0.1	0.3	-0.59	0.76	-0.15	-2.6	-4.17	-3.98	-3.13	-0.62	1.92	0.83	2.75	0.98	1.73	2.09	3	1.52	0.4	0.38	-0.82	0.64	-0.06	0.32	-0.1
θ (90°)	0.4	0.89	-1.29	-1.17	1.59	0.03	-1.69	-3.83	-4.31	-4.73	-0.21	0.18	2.12	1.03	1.67	1.93	3.36	0.27	-2.34	-1.38	-0.6	0.64	1.71	1.23	0.4
θ (105°)	-0.26	1.13	-7.37	-1.34	-0.39	-2.98	-4.63	-5.87	-4.28	-1.18	0.43	-0.89	1.36	0.66	1.18	0.25	0.99	-2.38	-4.33	-1.64	0	0.86	0.86	0.63	-0.26
θ (120°)	-1.13	-0.27	-4.32	-4.02	0.19	0.14	-1.55	-4.56	-5.68	-3.46	-1.31	-3.58	-1.42	-2.17	0.44	-0.48	-1.3	-0.31	-0.19	-0.94	-2.06	-0.28	-0.36	-0.57	-1.13
θ (135°)	-1.95	-2.44	-3.09	-7.81	-6.53	-3.96	-5.54	-10.01	-14.8	-10.48	-5.23	-5.08	-2.5	-2.32	-1.09	-0.6	-1.43	-1.45	-2.09	-2.21	-1.14	-2.06	-2.35	-1.09	-1.95
θ (150°)	-5.04	-4.15	-3.36	-5.39	-13.29	-24.16	-18.01	-22.01	-37.93	-22.4	-22.28	-23.57	-10.87	-6.27	-4.87	-4.52	-4.57	-4.77	-4.55	-4.25	-4.86	-4.67	-3.61	-3.78	-5.04
θ (165°)	-8.58	-7.87	-7.69	-7.73	-9.2	-11.36	-12.7	-14.38	-15.69	-15.22	-13.45	-12.36	-12.88	-15.81	-25.34	-21.85	-14.43	-11.42	-9.7	-8.22	-7.6	-8.15	-8.79	-9.09	-8.58
θ (180°)	-52.43	-22.45	-17.8	-16.36	-13.51	-11.5	-11	-11.77	-12.57	-13.78	-15.8	-20.19	-30.4	-21.95	-17.11	-15.74	-14.64	-12.84	-12.13	-12.59	-13.22	-13.97	-16.77	-19.79	-52.43
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.05	-16.58	-18.75	-23.41	-29.97	-24.6	-18.2	-15.92	-14.96	-14.9	-16.64	-18.5	-20.46	-23.63	-25.74	-26.36	-33.41	-24.81	-20.31	-22.61	-17.9	-14.21	-14.81	-16.74	-16.05
θ (15°)	-19.99	-21.11	-18.42	-16.72	-14.71	-12.33	-10.13	-9.86	-9.87	-10.45	-12.94	-16.61	-20.35	-21.28	-18.51	-16.94	-18.01	-25.17	-31.45	-22.89	-15.09	-11.4	-12.25	-14.67	-19.99
θ (30°)	-18.47	-15.84	-20.61	-20.97	-13.87	-12.33	-12.67	-12.69	-13.1	-12.09	-12.56	-15.55	-18.77	-24.06	-20.73	-23.5	-21.6	-17.85	-18.78	-25.54	-17.46	-9.91	-9.45	-15.05	-18.47
θ (45°)	-16.28	-15.76	-10.47	-9.6	-12.72	-15.96	-14.79	-17.47	-26.35	-18.26	-14.42	-17.71	-15.01	-15.89	-15.81	-25.73	-19.7	-20.46	-25.11	-18.47	-14.84	-9.27	-8.66	-14.11	-16.28
θ (60°)	-17.24	-15.2	-11.15	-14.16	-24.41	-11.05	-8.79	-12.16	-19.05	-19.26	-18.03	-24.36	-13.8	-14.36	-10.23	-16.04	-24.36	-26.78	-20.9	-15.89	-11.88	-10.8	-8.6	-16.21	-17.24
θ (75°)	-10.76	-11.56	-14.85	-23.1	-19.31	-11.13	-7.45	-8.59	-20.14	-14.23	-16.39	-24.78	-11.41	-14.29	-8.59	-11.61	-14.28	-16.63	-14.14	-10.91	-12.34	-10.4	-8.54	-12.95	-10.76
θ (90°)	-10	-13.45	-26.96	-13.31	-14.96	-26.28	-15.78	-10.11	-11.42	-27.36	-12.77	-12.95	-14.42	-16	-10.53	-9.09	-9.61	-9.03	-8.54	-10.7	-14.63	-14.94	-10.87	-17.23	-10
θ (105°)	-12.04	-15.41	-13.59	-7.35	-10.44	-14.75	-9.72	-11.99	-22.01	-20.82	-14.82	-28.73	-16.73	-14.98	-14.78	-10.08	-7.33	[-5.07]	-6.06	-14.02	-23.37	-15.94	-10.35	-14.31	-12.04
θ (120°)	-15.02	-17.61	-10.61	-6.24	-8.22	-17.14	-14.03	-9.51	-10.79	-16.68	-10.58	-14.41	-21.74	-17.4	-17.53	-13.87	-10.28	-8.23	-8.74	-15.55	-17.97	-21.26	-12.41	-18.54	-15.02
θ (135°)	-25.89	-23.38	-10.04	-6.04	-6.98	-14.75	-14.45	-9.94	-10.56	-9.79	-10.01	-20.06	-9.44	-10.47	-15.61	-18.55	-22.77	-25.21	-21.51	-16.37	-20.88	-15.27	-12.01	-15.79	-25.89
θ (150°)	-21.69	-31.76	-17.63	-11.43	-10.52	-17.91	-20.02	-13.14	-12.29	-12.7	-15.05	-69.91	-12.39	-8.7	-8.89	-9.84	-11.45	-14.24	-18.08	-20.35	-18.67	-16.6	-16.45	-17.33	-21.69
θ (165°)	-14.47	-13.76	-11.91	-11.02	-11.23	-12.05	-17.88	-27.55	-22.65	-18.86	-16.39	-19.36	-22.74	-14.37	-11.05	-9.66	-8.79	-8.49	-9.62	-12.61	-13.44	-13.43	-14	-14.08	-14.47
θ (180°)	-12.12	-11.67	-12.45	-16.54	-18.59	-21.69	-28.23	-17.74	-17.47	-15.7	-12.91	-11.45	-11.31	-12.28	-13.08	-12.03	-12.7	-19.97	-24.98	-31.98	-21.35	-15.81	-13.86	-12.79	-12.12

Ant.	No.2																								
Freq. (MHz)	2400																								
Polarity	Theta																								
dB	ϕ (0°)	ϕ (15°)	ϕ (30°)	ϕ (45°)	ϕ (60°)	ϕ (75°)	ϕ (90°)	ϕ (105°)	ϕ (120°)	ϕ (135°)	ϕ (150°)	ϕ (165°)	ϕ (180°)	ϕ (195°)	ϕ (210°)	ϕ (225°)	ϕ (240°)	ϕ (255°)	ϕ (270°)	ϕ (285°)	ϕ (300°)	ϕ (315°)	ϕ (330°)	ϕ (345°)	ϕ (360°)
θ (0°)	-15.19	-13.68	-12.78	-12.94	-13.48	-13.62	-14.48	-16.12	-17.59	-19.94	-20.79	-18.91	-16.15	-13.84	-13.23	-13.36	-12.95	-13.04	-14.23	-16.55	-18.01	-18.09	-18.51	-18.68	-15.19
θ (15°)	-11.41	-13	-13.49	-13.49	-13.17	-13.17	-12.81	-12.21	-10.98	-9.54	-8.53	-7.14	-5.15	-4.05	-4.36	-5.18	-6.29	-7.01	-6.37	-5.83	-5.93	-6.47	-7.64	-8.7	-11.41
θ (30°)	-10.4	-11.71	-8.96	-5.69	-4.95	-4.71	-3.96	-3.55	-3.65	-3.73	-3.55	-3.02	-1.96	-1.68	-3.22	-7.26	-13.26	-14.35	-19.54	-23.31	-17.92	-15.44	-14.17	-11.23	-10.4
θ (45°)	-0.92	-4.84	-3.05	0.54	0.52	0.18	0.95	1.29	0.75	-0.32	-0.26	0.3	-0.18	-1.45	-4.63	-4.86	-3.43	-3.17	-1.12	0.7	1.82	1.74	-0.35	-1.14	-0.92
θ (60°)	2.9	0.95	-0.32	1.37	1.58	0.47	1.06	2.08	2.59	2.63	2.27	1.9	1.43	0.89	-0.17	-0.32	-1.72	-1.77	-1.12	-1.51	-0.37	1.82	2.61	[3.07]	2.9
θ (75°)	1.86	1.17	0.72	-0.74	0.3	-0.38	-0.26	0.41	1.17	2.29	2.31	1.72	1.74	2.22	1.74	0.56	-1.34	-2.46	-3.55	-2.38	-0.03	1.59	0.89	1.01	1.86
θ (90°)	-0.83	-0.48	-0.39	-3.47	-5.01	-1.37	-0.56	-1.19	-1.42	0.09	-0.11	-0.83	0.81	1.93	2.1	1.08	-1.34	-5.38	-6.21	-4.73	-1.39	1.82	2.13	-0.8	-0.83
θ (105°)	-1.22	0.06	-1.1	-3.81	-6.7	-3.25	-0.45	-0.64	-1.37	-1.28	-0.29	-0.49	-0.61	1.2	0.13	-0.63	-3.52	-6.14	-10.27	-8.25	-4.55	-0.67	0.32	-0.5	-1.22
θ (120°)	-0.4	-1.02	0.18	-2.56	-3.77	-1.62	-0.7	1.52	2.37	1.24	-0.46	-0.31	-0.75	-0.87	-1.09	-1.29	-1.21	-3.56	-6.27	-2.05	-0.15	-0.59	-1.84	-1.37	-0.4
θ (135°)	-5.13	-3.81	-1.2	-2.09	-1.89	-0.34	-0.62	-1.59	-2.91	-3.93	-3	-2.31	-2.36	-3.75	-3.95	-1.85	-2	-5.74	-7.27	-2.63	-1.35	-2.71	-5.32	-5.08	-5.13
θ (150°)	-8.13	-12.29	-8.39	-5.18	-6.35	-8.82	-8.21	-7.4	-6.49	-4.42	-3.13	-3.49	-4.67	-4.88	-5.53	-7.41	-8.61	-11.09	-18.02	-14.18	-11.24	-13.76	-14.56	-8.17	-8.13
θ (165°)	-13.47	-15.99	-15.9	-12.63	-10.91	-10.84	-11.56	-12.48	-13.86	-14.1	-11.7	-10.08	-9.83	-11.33	-15.03	-15.14	-11.34	-9.55	-9.11	-8.98	-9.5	-10.01	-11.32	-12.38	-13.47
θ (180°)	-22.33	-24.61	-33.01	-35.5	-30.04	-32.66	-33.38	-27.54	-24.45	-22.22	-23.13	-23.95	-25.73	-26.31	-30.55	-33.53	-32.1	-28.38	-25.17	-19.85	-17.03	-17.06	-18.13	-19.21	-22.33
Polarity	Phi																								
dB	ϕ (0°)	ϕ (15°)	ϕ (30°)	ϕ (45°)	ϕ (60°)	ϕ (75°)	ϕ (90°)	ϕ (105°)	ϕ (120°)	ϕ (135°)	ϕ (150°)	ϕ (165°)	ϕ (180°)	ϕ (195°)	ϕ (210°)	ϕ (225°)	ϕ (240°)	ϕ (255°)	ϕ (270°)	ϕ (285°)	ϕ (300°)	ϕ (315°)	ϕ (330°)	ϕ (345°)	ϕ (360°)
θ (0°)	-14.25	-16.14	-17.49	-16.94	-17.01	-16.71	-15.74	-14.32	-12.84	-12.74	-12.94	-13.12	-14.4	-16.61	-18.98	-20.71	-21.03	-19.68	-17.84	-15.3	-13.27	-13.68	-14.29	-13.3	-14.25
θ (15°)	-13.49	-15.61	-18.83	-22.5	-31.29	-29.54	-21.62	-18.35	-17.38	-17.6	-15.7	-12.99	-12.51	-13.76	-16.55	-21.37	-23.95	-23.09	-22.35	-20.29	-15.53	-11.62	-10.44	-11.22	-13.49
θ (30°)	-8.89	-11.18	-13.49	-18.16	-31.62	-15.12	-11.58	-11.44	-13.04	-16.55	-21.63	-17.21	-13.9	-12.58	-15.18	-41.91	-15.57	-11.75	-12.16	-15.84	-29.03	-16.14	-8.55	-6.63	-8.89
θ (45°)	-12.91	-14.4	-12.55	-19.87	-19.88	-12.33	-10.95	-11.74	-14	-19.25	-26.37	-28.43	-14.35	-11.15	-13.94	-15	-10.27	-9.84	-12.5	-16.32	-17.86	-16.33	-10.33	-8.45	-12.91
θ (60°)	-13.93	-19.7	-14.69	-22.67	-15.71	-11.77	-12.25	-12.58	-14.27	-20.04	-24.28	-20.16	-15.26	-10.6	-12.27	-16.22	-12.14	-16.15	-29.39	-19.92	-27.98	-22.75	-14.88	-9.74	-13.93
θ (75°)	-12.31	-16.67	-10.92	-17.24	-18.72	-13.83	-16.4	-15.82	-14.86	-16.48	-15.84	-14.54	-15.12	-11.02	-15.37	-13.01	-14.77	-27.98	-14.24	-15.24	-17.02	-18.53	-17.19	-10.47	-12.31
θ (90°)	-11.82	-21.93	-12.8	-14.95	-21.27	-15.9	-28	-17.81	-17.57	-19.36	-16.39	-15.54	-14.2	-11.04	-21.58	-15.22	-15.71	-32.98	-15.79	-17.27	-18.68	-12.1	-16.99	-11.7	-11.82
θ (105°)	-10.45	-16.06	-8.33	-12.25	-15.85	-10.88	-14.71	-15.65	-13.4	-12.56	-14.85	-25.02	-16.57	-13.2	-17.85	-19.15	-16.82	-28.13	-15.61	-17.27	-20.4	-20.61	-14.88	-9.55	-10.45
θ (120°)	-9.62	-17.43	-8.97	-7.31	-14.49	-11.62	-10.84	-14.21	-15.67	-17.66	-19.82	-23.51	-21.74	-12.13	-12.19	-20.11	-12.78	-19.33	-16.63	-13.72	-13.48	-17.35	-16.74	-8.31	-9.62
θ (135°)	-6.94	-17.25	-8.87	-7.26	-14.63	-14.4	-9.62	-9.02	-9.15	-11.29	-18.67	-19.18	-9.15	-7.67	-13.31	-18.82	-11.79	-15.61	-12.4	-8.13	-9.35	-21.37	-9.51	[-5.75]	-6.94
θ (150°)	-8.47	-9.87	-9.41	-7.9	-9.51	-16.17	-21.78	-15.81	-15.43	-16.66	-13.91	-9.36	-6.69	-6.62	-9.68	-15.28	-13.55	-10.57	-8.84	-9.14	-12.26	-18.27	-13.64	-8.69	-8.47
θ (165°)	-17.67	-14.65	-11.96	-10.66	-11.69	-16.18	-20.7	-15.3	-11.94	-10.29	-9.45	-8.71	-9.08	-11.09	-15.18	-21.03	-18.77	-14.42	-12.91	-14.49	-15.35	-14.93	-18.29	-21.18	-17.67
θ (180°)	-19.57	-18.93	-19.39	-20.15	-20.62	-21.45	-24.68	-30.4	-25.32	-26.36	-30.65	-26.69	-24.72	-22.44	-21.08	-20.37	-20.1	-21.51	-24.49	-24.19	-23.21	-22.74	-25.09	-23.21	-19.57

Ant.	No.2																										
Freq (MHz)	2450																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-11.27	-10.2	-9.6	-9.22	-9.03	-9.53	-10.51	-11.38	-13.12	-15.39	-15.64	-14.55	-13.02	-11.29	-9.91	-9.65	-10.06	-10.25	-10.56	-10.82	-11.94	-13.96	-15.35	-13.9	-11.27		
θ (15°)	-21.67	-32.04	-40.58	-29.06	-22.86	-18.29	-14.99	-13.78	-13.05	-11.9	-10.32	-8.33	-6.11	-4.36	-3.79	-4.28	-4.95	-5.74	-6.34	-6.28	-6.67	-7.88	-10.38	-13.75	-21.67		
θ (30°)	-11.31	-13.85	-13.28	-9.48	-7.31	-5.23	-3.85	-3.66	-4.47	-5.61	-5.77	-4.96	-3.73	-2.67	-3.65	-7.38	-12.71	-18.02	-24.79	-16	-11.49	-11.23	-14.67	-14.1	-11.31		
θ (45°)	-0.48	-4.74	-4.11	-0.47	-0.51	-0.38	0.44	0.57	-0.16	-1.89	-3.14	-2.27	-1.83	-3.01	-7.06	-7.63	-5.81	-6.24	-3.28	-0.09	1.63	1.06	-1.8	-2.08	-0.48		
θ (60°)	1.76	0.49	-1.19	0.55	0.6	-0.67	0.31	1.14	1.36	1.3	0.71	-0.15	-0.71	-1.38	-1.85	-1.59	-4.27	-3.54	-1.44	-1.36	-0.36	1.21	1.63	[2.06]	1.76		
θ (75°)	-0.06	0.79	0.09	-2.14	-0.71	-1.4	-0.23	0.08	-0.41	1.28	1.84	-0.08	0.77	0.93	0.96	-0.57	-1.68	-1.98	-3.24	-2.05	-0.15	0.52	0.02	0.55	-0.06		
θ (90°)	-1.89	-1.49	-0.85	-2.81	-5.02	-1.09	-0.37	-0.47	-1.54	-0.46	0.3	-1.71	1.19	1.47	1.95	0.7	-1.13	-4.08	-5.77	-4.83	-2.03	0.67	0.31	-1.72	-1.89		
θ (105°)	-1.48	-0.07	-2.39	-2.81	-4.63	-2.07	-0.34	-1.07	-1.53	-2.57	-2.64	-0.56	-0.77	1.11	0.21	-1.49	-3	-4.84	-9.29	-9.88	-5.03	-1.72	-0.52	-0.8	-1.48		
θ (120°)	-0.53	-0.97	-0.41	-4.38	-2.2	-1.2	-0.73	0.98	1.76	1.3	-0.1	-0.14	-1.62	-1.58	-0.65	-1.13	-1.08	-3.18	-7.84	-2.85	0.06	0.05	-0.35	-0.05	-0.53		
θ (135°)	-4.89	-2.53	-0.88	-1.97	-1.51	-0.37	-0.75	-1.17	-2.51	-3.7	-2.52	-1.91	-1.84	-2.6	-2.72	-1.31	-1.53	-5.43	-10.84	-4.92	-2.13	-2.2	-3.4	-3.69	-4.89		
θ (150°)	-8.08	-14.61	-9.41	-5.58	-6.58	-8.12	-7.03	-5.95	-4.75	-2.76	-1.37	-1.28	-2.59	-3.99	-4.46	-5.42	-6.2	-7.71	-12.69	-21.28	-14.78	-14.18	-10.24	-6.28	-8.08		
θ (165°)	-14.17	-16.9	-21.04	-15.81	-12.49	-11.68	-11.87	-12.9	-12.04	-9.46	-7.72	-6.92	-7.32	-9.33	-14.64	-22.73	-13.09	-10.16	-9.66	-10	-10.4	-11.62	-12.93	-13.77	-14.17		
θ (180°)	-18.34	-19.96	-23.52	-30.03	-29.89	-23.77	-22.86	-23.82	-23.99	-23.51	-20.79	-19.71	-18.84	-18.73	-20.37	-23.46	-32.93	-36.49	-26.53	-19.91	-17.83	-17.16	-16.18	-15.77	-18.34		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-10.51	-11.27	-12.5	-14.72	-16.88	-16.06	-13.23	-10.98	-10.15	-10.06	-9.99	-9.71	-10.29	-11.58	-12.55	-13.18	-13.81	-13.73	-12.7	-10.98	-9.89	-9.36	-8.67	-8.85	-10.51		
θ (15°)	-11.64	-15.98	-21.98	-23.83	-17.87	-15.14	-14.48	-15.07	-15.5	-14.75	-12.61	-10.42	-8.91	-8.43	-9.33	-11.83	-15.53	-18.29	-18.44	-14.26	-10.26	-8.93	-9.03	-9.28	-11.64		
θ (30°)	-9.66	-13.88	-20.25	-20.62	-13.69	-11.06	-11.01	-12.05	-13.12	-15.29	-18.84	-13.89	-8.74	-7.03	-8.89	-16.43	-19.67	-12.78	-12.1	-15.03	-23.45	-13	-7.6	-6.34	-9.66		
θ (45°)	-13.69	-14.89	-16.46	-20.97	-12.61	-11.45	-12.76	-14.53	-15.62	-16.33	-18.34	-17.82	-10	-8.17	-11.31	-13.82	-8.6	-7.26	-8.63	-11.91	-20.35	-19.48	-9.73	-8.07	-13.69		
θ (60°)	-16.21	-21.7	-17.58	-18.65	-11.93	-14.32	-18.23	-15.59	-16.25	-17.03	-18.96	-16.06	-10.08	-8.75	-11.82	-15.76	-11.51	-12.9	-12.23	-11.79	-15.2	-17.85	-13.05	-9.05	-16.21		
θ (75°)	-15.29	-16.26	-15.55	-17	-11.36	-19.7	-19.47	-17.52	-22.24	-24	-18.74	-11.58	-10.92	-11.35	-15.95	-15.5	-16.06	-21.32	-13.63	-13.18	-12.86	-15.34	-16.74	-10.64	-15.29		
θ (90°)	-12.03	-28.97	-12.74	-22.19	-12.68	-14.93	-15.2	-10.91	-14.57	-22.41	-24.44	-13.47	-12.33	-11.78	-17.39	-20.01	-16.33	-24.02	-17.75	-17.52	-18.23	-11.27	-14.09	-10.11	-12.03		
θ (105°)	-11.26	-18.33	-9.7	-19.95	-13.29	-14.15	-28.51	-24.51	-24.72	-19.36	-14.62	-15.55	-17.49	-12.37	-11.95	-22.33	-15.62	-27.26	-14.53	-16.73	-15.12	-13.55	-13.56	-9.94	-11.26		
θ (120°)	-10.06	-23.12	-10.16	-9.99	-25.63	-16.03	-20.41	-25.17	-25.2	-25.88	-20.25	-17.04	-19	-10.22	-8.46	-19.72	-14.68	-20.72	-15.04	-13.29	-13.5	-14.48	-11.41	-7.09	-10.06		
θ (135°)	-7.49	-24.52	-10.2	-9.63	-19.69	-14.73	-11.69	-11.02	-10.35	-11.59	-16.41	-21.96	-8.59	-5.8	-9.06	-24.18	-14.17	-11.46	-7.54	-6.4	-8.98	-28.09	-8.97	[-5.43]	-7.49		
θ (150°)	-7.5	-9.89	-9.78	-8.16	-9.67	-14.92	-16.34	-12.95	-12.64	-15.12	-12.99	-8.24	-5.67	-5.45	-7.74	-12.47	-12.33	-7.89	-6.1	-6.72	-9.92	-25.18	-11.51	-6.55	-7.5		
θ (165°)	-18.75	-16.48	-12.08	-10.02	-10.07	-10.98	-10.25	-8.55	-7.93	-7.86	-7.69	-7.73	-8.34	-9.84	-12.6	-15.11	-13.04	-10.25	-9.46	-9.96	-11.24	-14.99	-21.35	-20.04	-18.75		
θ (180°)	-20.54	-19.91	-19.64	-19.24	-19.24	-19.68	-21	-24.19	-26.56	-29.97	-34.45	-34.3	-26.39	-20.69	-18.48	-17.64	-17.79	-18.44	-18.36	-18.36	-18.4	-20.83	-26.76	-25.81	-20.54		

Ant.	No.2																								
Freq. (MHz)	2500																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-10.81	-9.7	-8.67	-7.93	-7.79	-8.67	-10.27	-12.61	-15.24	-16.58	-15.42	-12.99	-10.96	-9.86	-8.97	-8.25	-8.43	-9.31	-10.25	-11.93	-14.81	-17.4	-16.64	-14	-10.81
θ (15°)	-23.4	-21.36	-20.44	-20.62	-24.97	-31.44	-19.42	-16.39	-16.68	-17.41	-13.99	-10.08	-6.78	-4.18	-2.53	-2.03	-2.31	-2.81	-3.47	-4.26	-5.13	-6.94	-10.26	-14.27	-23.4
θ (30°)	-15.32	-15.48	-12.88	-9.97	-8.16	-6.04	-4.22	-3.64	-4.29	-5.83	-7.37	-7.09	-4.83	-2.36	-1.46	-3.21	-6.78	-9.55	-10.35	-9.41	-7.72	-7.67	-10.53	-14.45	-15.32
θ (45°)	-3.16	-8.53	-1.86	0.05	-1.46	-1.55	-0.45	-0.09	-0.5	-2.2	-4.53	-3.99	-2.44	-1.93	-4.92	-11.3	-9.54	-10.36	-5.46	-1.82	-0.36	-0.79	-3.51	-3.47	-3.16
θ (60°)	1.09	-0.61	-1.08	1.15	-0.53	-2.73	-1.39	-0.94	-0.64	-0.49	-0.87	-0.91	-1.67	-3.08	-4.34	-2.2	-5.37	-6.81	-3.6	-3.53	-2.2	0.42	1.44	1.47	1.09
θ (75°)	-0.34	1.04	-1.04	-2.9	-2.11	-2.47	-0.49	-0.83	-2.99	-1.23	1.42	-0.18	-1.42	-1.03	0.55	-0.92	-2.95	-3.01	-4.63	-2.86	-1.02	-0.13	-0.19	-0.43	-0.34
θ (90°)	-2.51	-2.48	-2.36	-4.96	-5.11	-0.49	0.05	-0.55	-3.2	-2.87	0.42	-1.35	-0.52	1	[1.96]	0.66	-1.5	-4.48	-5.66	-4.07	-1.82	-0.21	-1.14	-2.79	-2.51
θ (105°)	-0.75	-0.36	-4.96	-3.52	-5.79	-1.72	-0.63	-1.3	-1.97	-3.16	-4.8	-1.92	-0.37	1.22	0.28	-1.77	-4.67	-5.15	-9.01	-11.92	-6.97	-2.84	-1.5	-1.78	-0.75
θ (120°)	-1.24	-1.39	-0.78	-4.94	-1.1	-0.71	-0.48	0.75	1.86	1.64	-0.62	-0.95	-0.26	-1.17	-1.58	-1.9	-1.22	-2.46	-6.46	-2.06	0.25	-0.22	-0.28	0.08	-1.24
θ (135°)	-5.15	-3.03	-0.47	-1.43	-1.14	-0.16	-0.04	0.36	-0.08	-2.6	-4.29	-2.22	-0.71	-1.84	-3.84	-1.93	-1.74	-5.2	-9.48	-4.01	-1.86	-2.43	-3.2	-3.04	-5.15
θ (150°)	-8.9	-22.7	-9.16	-5.41	-6.93	-6.96	-4.46	-4.35	-6.25	-6.19	-3	-1.1	-1.14	-2.41	-3.82	-5.71	-7.28	-8.62	-13.67	-22.73	-17.97	-16.63	-9.67	-5.94	-8.9
θ (165°)	-12.05	-13.65	-22.95	-19.39	-12.84	-12.04	-14.05	-15	-12.18	-9.26	-7.28	-6.02	-5.93	-7.43	-11.17	-22.34	-19.52	-13.91	-12.6	-11.72	-11.23	-11.8	-13.64	-13.66	-12.05
θ (180°)	-15.65	-15.9	-17.67	-22.38	-24.97	-21.85	-22.2	-26.64	-27.05	-20.32	-16.53	-15.44	-15.2	-15.25	-15.91	-18.93	-28.83	-31.22	-28.89	-27.93	-24.71	-19.08	-15.87	-14.92	-15.65
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-10.58	-12.82	-17.69	-22.99	-18.25	-13.48	-10.53	-8.4	-7	-6.88	-7.94	-8.95	-9.17	-10.21	-12.47	-15.15	-16.05	-14.77	-12.74	-10.93	-9.95	-8.87	-8.24	-8.88	-10.58
θ (15°)	-10.93	-17.82	-27.33	-16.1	-12.38	-10.81	-10.74	-11.51	-12.41	-12.91	-12.72	-10.37	-7.93	-7.34	-8.65	-11.24	-14.42	-17.59	-15.87	-11.7	-8.7	-7.26	-6.79	-7.47	-10.93
θ (30°)	-10.52	-15.53	-24.36	-13.75	-9.93	-8.78	-8.55	-8.43	-9.04	-11.01	-15.98	-15.72	-8.08	-5.36	-6.24	-11.03	-21.76	-16.19	-14.83	-19.42	-19.97	-11.06	-7.37	-6.96	-10.52
θ (45°)	-13.47	-16.15	-22.61	-13.77	-9.53	-8.99	-9.76	-10.92	-12.06	-12.15	-14.61	-18.65	-8.85	-6.03	-8.97	-18.25	-10.11	-7.56	-7.92	-10.1	-16.47	-19.56	-10.3	-9.11	-13.47
θ (60°)	-18.12	-20.45	-17.8	-12.18	-9.72	-12.75	-11.31	-10.57	-12.8	-14.29	-15.42	-17.86	-10.15	-6.47	-9.04	-23.47	-12.7	-11.91	-9.67	-9.76	-14.16	-18.22	-12.5	-9.56	-18.12
θ (75°)	-17.11	-15.89	-21.02	-11.97	-10.87	-22.74	-12.62	-13.95	-20.08	-20.63	-19.24	-13.97	-9.55	-8.73	-15.98	-17.22	-15.54	-23.35	-12.63	-13.47	-10.95	-12.05	-17.36	-11.8	-17.11
θ (90°)	-12.2	-26.25	-10.87	-21.65	-12.4	-16.86	-10.78	-9.41	-14.07	-20.51	-22.82	-13.55	-10.64	-9.04	-11.91	-18.59	-14.58	-25.91	-12.95	-12.46	-18.17	-9.46	-11.9	-8.79	-12.2
θ (105°)	-12.84	-16.21	-9.45	-28.27	-11.74	-18.69	-17.89	-16.91	-39.16	-19.66	-12.96	-12.87	-14.35	-9.93	-8	-21.06	-14.71	-17.98	-10.59	-13.93	-12.04	-10.57	-13.46	-10.76	-12.84
θ (120°)	-10.23	-28.49	-8.1	-9.56	-38.81	-19.11	-31.2	-18.76	-17.44	-20.77	-19.03	-14.44	-15.79	-10.78	-8.42	-17.28	-16.05	-29.65	-13.06	-11.61	-11.69	-11.35	-8.84	-5.8	-10.23
θ (135°)	-7.55	-23.25	-8.94	-10.43	-31.03	-13.54	-11.35	-11.19	-10.67	-10.79	-13.7	-30.31	-9.4	-5.83	-8.04	-17.63	-15.9	-10.28	-6.74	-5.94	-8.28	-20.74	-8.38	-4.87	-7.55
θ (150°)	-7.68	-12.37	-10.93	-8.24	-10.72	-19.57	-15.04	-10.18	-9.99	-13.28	-14.32	-8.38	-4.92	[-4.29]	-5.99	-9.35	-10.41	-7.22	-5.36	-5.5	-8.99	-26.16	-10.36	-5.78	-7.68
θ (165°)	-23.31	-17.99	-11.13	-9.15	-9.57	-10.42	-9.46	-7.68	-6.82	-6.87	-6.49	-6.03	-6.54	-8.02	-10.18	-13.07	-13.48	-11.28	-9.59	-9.06	-11.43	-18.77	-19.19	-16.95	-23.31
θ (180°)	-23.51	-22.52	-19.24	-17.2	-16.84	-17.39	-17.46	-17.36	-19.96	-24.58	-24.88	-26.23	-27.85	-26.89	-23.8	-21.84	-20.53	-17.76	-15.89	-15.07	-15.79	-19.09	-21.7	-21.56	-23.51

Ant.	No.1																								
Freq. (MHz)	5150																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-18.94	-21.44	-23.98	-24.24	-20.48	-19.5	-16.77	-14.63	-14.46	-14.63	-14.66	-15.32	-17.94	-20.49	-23.45	-26.65	-22.08	-18.65	-16.8	-15.59	-14.36	-14.04	-14.63	-16	-18.94
θ (15°)	-12.29	-13.91	-14.96	-15.28	-11.72	-7.93	-5.72	-4.99	-4.6	-5.18	-6.83	-10.12	-12.63	-12.55	-12.86	-12.43	-12.65	-13.06	-15.22	-15.86	-16.54	-16.32	-13.86	-12.15	-12.29
θ (30°)	-1.73	-1.19	-1.11	-2.56	-2.18	-3.42	-4.09	-4.06	-2.51	-1.89	-3.02	-4.91	-6.17	-6.66	-6.68	-5.55	-6.39	-6.79	-5.76	-5.77	-8.75	-10.19	-4.89	-2.57	-1.73
θ (45°)	-5.68	-1.83	-0.33	0.76	0.39	-1.05	-3.17	-4.71	-3.62	-4.13	-1.85	-3.42	-5.11	-3.38	-2.78	-3.18	-4.19	-4.29	-5.29	-6.52	-4.29	-4.14	-5.12	-6.24	-5.68
θ (60°)	-1.72	0.79	-0.3	-0.87	-1.58	-2.43	-3.47	-1.9	-1.21	-0.27	0.56	1.04	-1.37	0.27	0.78	0.39	-0.78	-2.22	-2.25	-2.46	-0.74	-0.66	-1.16	-1.18	-1.72
θ (75°)	-5.56	-0.89	-1.1	-1.13	-2.25	-1.11	-2.79	-1.42	-0.83	1.13	0.93	[1.78]	-1.85	0.19	0.69	-0.2	-2	-1.56	-1.8	-3.66	-3.71	-0.48	-2.45	-2.65	-5.56
θ (90°)	-1.85	1.49	-0.06	1.02	-3	-3.06	-2.52	-1.61	-0.95	0.31	0.64	-0.12	-1.67	-0.36	0.75	-0.78	-1.11	0.16	-0.46	-1.26	-2.09	-0.33	0.14	-0.55	-1.85
θ (105°)	-0.55	0.81	-3.75	-4.31	-4.68	-4.16	-2.88	-2.01	0.92	-0.77	1.34	0.37	0.94	0.54	0.76	1.26	-4.15	-1.96	-1.23	-1.89	-0.61	1.25	0.07	0.13	-0.55
θ (120°)	-3.9	-2.21	-2.49	-5.88	-7.39	-7.51	-7.7	-8.48	-3.24	-3.02	-1	-2.6	-6.52	-1.46	-1.88	-1.72	-3.03	-1.74	-4.07	-4.4	-0.97	-2.08	-1.73	-4.18	-3.9
θ (135°)	-7.53	-5.53	-4.5	-5.74	-5.72	-3.42	-4.73	-4.61	-8.75	-9.25	-7.12	-8.89	-10.03	-3.56	-4.64	-4.87	-3.18	-1.59	-2.55	-4.58	-3.77	-2.65	-5.6	-5.8	-7.53
θ (150°)	-8.46	-8.7	-13.06	-8.27	-6.47	-10.34	-22.67	-16.09	-8.21	-7.74	-10.92	-13.96	-14.17	-19.84	-18.4	-12.22	-10.32	-9.7	-13.25	-21.49	-9.24	-9.64	-12.56	-8.75	-8.46
θ (165°)	-11.79	-18.49	-14.72	-17.59	-13.34	-12.33	-11.9	-11.66	-10.7	-10.77	-13.34	-29.43	-18.57	-13.46	-11.54	-8.75	-7.48	-6.86	-6.8	-6.27	-6.28	-6.36	-6.45	-6.43	-11.79
θ (180°)	-18.21	-19.51	-23.19	-29.47	-24.99	-17.87	-15.25	-12.65	-10.86	-10.08	-10.11	-10.38	-11.35	-12.83	-15.66	-21.49	-36.58	-18.41	-14.5	-10.75	-9.09	-8.95	-9.28	-11.16	-18.21
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-17.67	-14.95	-15.16	-14.12	-14.38	-14.53	-16.95	-18.93	-23.62	-24.54	-22.77	-18.8	-17.08	-15.48	-15.5	-14.38	-14.64	-16.68	-17.01	-20.75	-21.42	-20.25	-18.94	-17.54	-17.67
θ (15°)	-20.97	-16.25	-11.59	-8.37	[7.65]	-8.34	-8.99	-10.9	-14.38	-19.71	-25.28	-21.21	-21.32	-24.78	-20.83	-17.37	-15.84	-15.63	-17.08	-22.73	-22.94	-17.18	-18.75	-21.41	-20.97
θ (30°)	-17.41	-19.96	-25.17	-18.59	-14.85	-14.99	-19.84	-17.8	-15.94	-18.54	-35.94	-17.82	-19.58	-24.43	-21.14	-19.44	-22.34	-24.66	-20.59	-18.37	-15.69	-10.84	-10.84	-18.57	-17.41
θ (45°)	-13.21	-10.1	-9.43	-10.49	-13.06	-14.52	-13.17	-22.55	-21.77	-11.49	-16.8	-11.52	-16.01	-17.42	-14.59	-14.29	-14.48	-13.02	-18.01	-20.51	-9.97	-11.61	-19.88	-12.11	-13.21
θ (60°)	-29.25	-29.88	-21.35	-21.09	-18.63	-24.29	-17.81	-17.28	-11.33	-11.82	-11.71	-13.25	-15.58	-15.16	-24.02	-20.52	-29.63	-21.74	-20.38	-22.3	-14.25	-14.07	-11.97	-10.85	-29.25
θ (75°)	-17.35	-14.88	-11.75	-8.08	-8.7	-13.51	-14.73	-20.22	-28.98	-13.64	-14.35	-12.28	-18.04	-21.71	-26.07	-20.5	-17.78	-14.77	-21.57	-17.08	-17.26	-19.22	-14.42	-16.49	-17.35
θ (90°)	-24.08	-18.52	-22.9	-12.89	-9.92	-20.28	-19.28	-17.82	-25.01	-18.07	-15.85	-15.63	-19.02	-21.52	-20.94	-26.05	-23.81	-12.74	-13.57	-22.61	-15.35	-14.3	-13.55	-16.89	-24.08
θ (105°)	-26.37	-18.27	-11.74	-11.85	-17.15	-12.2	-18.11	-28.13	-26.35	-24.76	-22.05	-28.16	-22.75	-16.51	-22.22	-17.16	-22.79	-15.72	-20.68	-25.86	-14.08	-15.4	-19.46	-26.37	
θ (120°)	-19.87	-16.11	-26.22	-16.23	-22.31	-20.7	-16.7	-13.4	-19.36	-20.41	-13.43	-14.4	-15.71	-13.66	-11.57	-19.46	-21.22	-22.27	-27.98	-18.95	-21.74	-19.99	-24.36	-28.08	-19.87
θ (135°)	-36.44	-22.38	-20.6	-16.54	-21.03	-24.52	-31.41	-20.03	-20.61	-26.05	-14.54	-14.25	-14.37	-15.08	-13.18	-16.72	-17.23	-19.02	-14.39	-13.39	-27.24	-16.54	-16.4	-19.72	-36.44
θ (150°)	-15.42	-18.66	-11.16	-12.79	-14.5	-20.31	-25.65	-15.86	-26.4	-23.25	-19.44	-23.84	-17.15	-14.65	-15.41	-15.44	-18.92	-17.06	-13.92	-12.18	-10.01	-14.01	-24.64	-33.33	-15.42
θ (165°)	-10.74	-12.99	-13.81	-15	-18.17	-12.92	-12.45	-17.35	-38.14	-27.22	-23.68	-19.78	-17.37	-12.19	-9.04	-8.49	-9.16	-10.17	-10.33	-10.57	-14.52	-25.96	-38.37	-19.26	-10.74
θ (180°)	-21.54	-17.05	-13.34	-11.18	-11.63	-11.89	-14.49	-15.11	-19.26	-27	-27.75	-19.43	-15.02	-12.87	-11.74	-10.97	-12.02	-12.94	-14.26	-13.93	-15.75	-20.02	-37.12	-21.16	-21.54

Ant.	No.1																								
Freq. (MHz)	5250																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-15.73	-17.35	-20.9	-25.27	-24.87	-18.8	-16.33	-14.45	-13.88	-12.86	-13.57	-14.72	-15.9	-18.72	-24.11	-29.33	-23.45	-19.54	-15.82	-14.68	-13.21	-13.22	-13.5	-14.34	-15.73
θ (15°)	-5.81	-7.08	-8.44	-9.41	-9.38	-8.28	-6.91	-6.16	-7.05	-9.65	-15.11	-17.73	-13.82	-12.23	-11.94	-12.04	-12.47	-12.55	-13.18	-12.77	-13.64	-12.34	-8.05	-5.91	-5.81
θ (30°)	-0.77	-0.47	-0.41	-0.25	-0.76	-2.01	-4.21	-4.92	-3.98	-3.9	-5.73	-7.32	-6.64	-9.18	-7.71	-5.69	-5.59	-6.14	-6.49	-5.44	-6.92	-15.54	-8.04	-3.48	-0.77
θ (45°)	-5.36	-2.98	-1.34	-1.19	-0.49	-1.86	-5.81	-6.42	-4.54	-5.39	-1.83	-3.42	-4.33	-5.08	-3.34	-1.95	-3.23	-3.44	-3.57	-5.85	-5.25	-4.12	-4.95	-4.54	-5.36
θ (60°)	-1.87	-0.41	-1.29	-2.11	-1.68	-0.58	-1.79	0.13	-1.66	-0.87	0.6	0.53	-0.24	-1.02	-0.14	-0.46	-2.11	-1.51	-1.3	-1.67	-1.52	-1.22	-1.53	-1.82	-1.87
θ (75°)	-4.71	-1.77	-2.83	-1.46	-0.88	-0.17	-0.59	-0.23	0.6	0.04	0.54	0.98	-0.92	-1.12	0.18	-0.18	0.2	-0.12	-0.55	-2.5	-3.1	-1.6	-2.46	-5.15	-4.71
θ (90°)	-2.25	1.8	-0.21	-0.07	-2.7	-2.46	-1.89	-1.51	0.33	-0.41	0.38	-1	0.22	-1.62	0.95	0.36	0.07	0.72	0.03	-0.09	-1.36	-0.44	-0.05	-1.57	-2.25
θ (105°)	0.58	0.15	-7.46	-4.88	-3.67	-1.26	-0.63	-0.49	0.96	-2.33	0.92	1.48	[1.86]	0.63	0.41	1.07	-1.55	-0.64	-0.71	-0.66	-0.27	0.23	0.44	-1.55	0.58
θ (120°)	-3.82	-1.96	-1.83	-6.54	-6.43	-7.07	-7.08	-8.94	-4.1	-2.9	-1.53	-2.47	-6.53	-3.72	-2.74	-2.88	-3.24	-1.91	-2.48	-4.69	0.74	-2.29	-2.89	-4.74	-3.82
θ (135°)	-5.81	-5.26	-4.82	-6.97	-5.28	-4.47	-5.29	-4.36	-10.79	-9.04	-7.49	-11.56	-8.8	-4.14	-4.9	-5.4	-3.5	-1.83	-2.34	-4.56	-5.13	-2.78	-5.67	-7.08	-5.81
θ (150°)	-6.13	-6.82	-10.83	-7.69	-6.51	-11.21	-23.16	-17.99	-7.85	-5.83	-9.68	-10.14	-14.86	-16.25	-23.37	-11.55	-10.63	-8.73	-11.93	-21.13	-9.16	-8.61	-11.1	-9.71	-6.13
θ (165°)	-9.42	-15.66	-16.84	-19.91	-15.04	-13.22	-11.41	-12.04	-12.79	-12.47	-13.95	-16.41	-19.02	-13.87	-9.68	-8.72	-7.37	-6.78	-6.4	-5.94	-5.14	-5.49	-6.09	-6.39	-9.42
θ (180°)	-23.94	-22.76	-28.33	-25.54	-23.25	-18.49	-14.66	-12.14	-11.14	-10.87	-10.92	-11.49	-12.67	-14.29	-16.91	-23.85	-32.41	-18.69	-14.25	-11.36	-10.23	-9.68	-10.51	-13.25	-23.94
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-15.7	-13.91	-13.26	-12.08	-12.94	-13.96	-15.47	-17.06	-19.18	-22.35	-22.26	-20.21	-17.37	-14.93	-13.53	-12.91	-13.45	-13.59	-15.51	-16.25	-20.92	-23.93	-22.71	-20.4	-15.7
θ (15°)	-16.62	-12.29	-9.09	-8.05	-7.7	-7.98	-9.12	-11.35	-15.25	-18.58	-18.95	-18.61	-22	-29.43	-24.55	-21.31	-17.38	-16.2	-16.74	-18.53	-32.83	-16.87	-13.38	-15.78	-16.62
θ (30°)	-19.66	-19.56	-25.3	-21.33	-14.6	-20.39	-19.06	-18.37	-14.17	-16.83	-19.39	-15.53	-19.59	-38.74	-24.96	-22.02	-33.92	-28.52	-26.58	-16.92	-13.32	-11.06	-11.19	-14.94	-19.66
θ (45°)	-12.29	-11.14	-7.53	-8.06	-10.93	-12.64	-11.46	-21.24	-20.42	-12.1	-15.37	-12.47	-19.57	-18.83	-15.34	-13.33	-11.54	-9.59	-10.74	-23.31	-11.81	-10.79	-16.76	-16.18	-12.29
θ (60°)	-17.17	-22.28	-21.06	-16.28	-12.96	-17.66	-14.03	-18.67	-11.15	-11.59	-13.28	-14.9	-18.74	-15.82	-24.51	-16.47	-16.98	-16.83	-17.32	-20.7	-14.86	-14.77	-12.08	-10.57	-17.17
θ (75°)	-19.63	-12.94	-11.67	-7.37	[-6.76]	-11.11	-14.34	-20.49	-33.05	-14.57	-11.25	-10.38	-12.84	-18.54	-30.08	-15.65	-14.14	-11.58	-16.17	-17.85	-11.45	-24.78	-11.18	-17.44	-19.63
θ (90°)	-28.91	-19.49	-18.24	-11.58	-8.69	-36.86	-27.03	-16.26	-13.22	-15.6	-10.3	-12.82	-15.26	-17.51	-32.69	-20.82	-18.76	-12.6	-11.7	-18.93	-11.79	-13.75	-11	-14.96	-28.91
θ (105°)	-28.35	-19.81	-13.19	-14.3	-13.13	-11.37	-17.74	-18.26	-22.68	-22.28	-18.76	-19.94	-21.66	-30.69	-15.64	-15.36	-16.73	-16.44	-15.93	-18.27	-22.07	-11.51	-11.9	-15.46	-28.35
θ (120°)	-17.88	-16.29	-19.43	-14.42	-33.33	-19.32	-12.2	-12.88	-13.56	-22.67	-15.2	-16.14	-13.61	-13.36	-10.18	-14.8	-14.08	-18.46	-24.87	-17.88	-17.74	-15.63	-18.16	-21.67	-17.88
θ (135°)	-31.87	-23.17	-22.79	-17.92	-17.62	-34.98	-29.64	-33	-18.87	-20.75	-12.94	-13.47	-13.87	-13.64	-11.25	-15.93	-14.04	-14.42	-13.37	-13.76	-26.36	-14.95	-14.17	-16.36	-31.87
θ (150°)	-17.06	-19.86	-10.44	-12.46	-19.87	-29.04	-22.23	-19.08	-22.45	-17.04	-17.48	-19.02	-17.02	-14.03	-14.18	-19.22	-25.38	-21.99	-16.44	-11.68	-9.23	-13.69	-31.46	-26.87	-17.06
θ (165°)	-11.57	-12.28	-16.62	-20.22	-39.55	-19.09	-18.4	-24.35	-18.07	-18.98	-34.51	-21.32	-13.05	-9.37	-7.83	-7.31	-7.81	-8.81	-10.57	-10.48	-13.3	-20.39	-23.2	-17.32	-11.57
θ (180°)	-23.04	-16.34	-13.81	-11.69	-11.96	-14.39	-14.62	-16.52	-18.59	-23.69	-24.64	-20.14	-16.51	-12.69	-12.69	-11.95	-12.26	-12.99	-13.45	-14.56	-14.77	-18.2	-30.58	-25.22	-23.04

Ant.	No.1																								
Freq. (MHz)	5350																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-12.88	-13.25	-15.47	-17.82	-22.18	-27.13	-23.56	-18.94	-15.64	-14.13	-13.12	-12.91	-13.61	-13.94	-15.83	-19.57	-22.53	-26.82	-25.5	-18.61	-16.76	-15.1	-14.04	-12.83	-12.88
θ (15°)	-4.93	-4.43	-4.56	-5.64	-7.47	-8.17	-8.67	-9.82	-13.14	-17.54	-19.56	-14.99	-12.41	-12.27	-13.5	-13.81	-13.45	-12.39	-11.76	-11.31	-11.7	-11.96	-8.36	-6	-4.93
θ (30°)	-3.95	-1.26	-0.36	-1.06	-1.66	-3.12	-5.32	-5.42	-2.9	-4.9	-5.5	-6.9	-10.81	-7.77	-6.78	-6.18	-5.84	-5.65	-6.69	-6.89	-5.76	-11.92	-15.2	-10.1	-3.95
θ (45°)	-6.31	-2.98	-1.76	-1.15	-1.95	-5.65	-7.98	-4.08	-5.02	-2.68	-1.69	-3.63	-5.35	-4.2	-2.88	-1.3	-1.08	-2.37	-1.93	-2.51	-4.04	-2.51	-3.17	-3.41	-6.31
θ (60°)	-3.86	-0.64	-0.83	-2.89	-2.01	-2.52	-3.16	-0.31	-3.29	0.43	0.31	1.4	-3.33	-1.54	0.17	0.08	-2.96	-5.22	-4.49	-4.1	-2.38	-0.07	-1.16	-3.31	-3.86
θ (75°)	-3.97	0.53	-2.08	-3.36	-2.16	-0.38	-0.47	-2.39	-1.56	0.23	1.13	0.06	-2.17	-0.7	0.98	0.01	-1.83	-1.68	-1.28	-4.51	-3.02	-1.03	-0.82	-3.36	-3.97
θ (90°)	-2.78	[2.53]	-0.38	-1.86	-4.1	-2.79	-1.7	-1.57	-0.2	-1.36	1.06	0.18	-0.24	1.04	1.84	0.78	-1.48	-1.38	-1.52	-0.95	-2.29	-0.39	1.38	-0.48	-2.78
θ (105°)	-1.01	0.41	-4.46	-5.11	-5.3	-1.72	-1.56	-1.73	-0.96	0.03	0.16	1.88	0.39	1.82	1.36	-0.04	-1.35	-1.2	-1.16	-1.57	-2.04	1.81	2.01	-1.23	-1.01
θ (120°)	-4.6	-0.6	-1.71	-6.59	-5.18	-6.53	-9.24	-7.81	-4.73	-1.87	-0.45	-0.77	-8.47	-4.59	-2.53	-1.64	-4.32	-5.51	-4.96	-6.89	0.4	-1.49	-3.14	-5.64	-4.6
θ (135°)	-7.2	-3.5	-4.31	-4.83	-4.51	-4.89	-4.63	-5.98	-11.38	-5.61	-8.25	-9.17	-8.99	-4.52	-2.14	-3.84	-2.99	-1.16	-1.3	-2.96	-4.17	-2.42	-3.73	-4.58	-7.2
θ (150°)	-8.86	-7.64	-8.43	-7.32	-6.18	-13.86	-30.66	-17.37	-6.2	-5.75	-7.26	-9.55	-14.02	-15.11	-25.71	-15.37	-10.36	-7.46	-8.7	-15.57	-10.06	-7.91	-10.29	-11.85	-8.86
θ (165°)	-7.67	-13.76	-16.34	-18.9	-15.16	-11.61	-10.27	-10.9	-10.12	-9.98	-13.02	-15.35	-14.37	-14.13	-10.4	-7.52	-6.18	-5.26	-5.07	-4.89	-4.52	-4.66	-5	-4.92	-7.67
θ (180°)	-25.13	-24.04	-23.07	-27.51	-22.03	-18.92	-14.57	-12.35	-11.66	-11.55	-11.67	-12.46	-13.77	-15.39	-18.46	-25.43	-30.38	-17.89	-14.26	-11.06	-9.22	-9.06	-10.44	-14.09	-25.13
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-20.52	-17.49	-14.62	-14.89	-13.41	-12.54	-12.51	-13.7	-17.01	-20.33	-23.03	-24.15	-20.88	-18.44	-16.2	-14.83	-13.94	-13.04	-13.16	-14.24	-14.85	-16.32	-18.26	-20.46	-20.52
θ (15°)	-18.13	-11.77	-9.42	-7.96	-6.83	-6.79	-7.96	-12.03	-19.32	-27.87	-23.62	-29.46	-26.61	-20.8	-18.3	-15.93	-13.78	-12.18	-12.85	-18.76	-23.9	-14.87	-13.16	-16.16	-18.13
θ (30°)	-34.62	-27.4	-18.84	-16.51	-14.65	-14.6	-20.3	-21.86	-14.25	-13.15	-18.1	-22.55	-31.61	-23.23	-16.53	-13.58	-17.42	-18.07	-19.9	-20.28	-14.66	-10.36	-10.39	-14.58	-34.62
θ (45°)	-17.82	-9.91	-7.89	-8.01	-10.11	-17.13	-12.76	-18.29	-12.55	-11.19	-11.51	-12.25	-22.48	-21.63	-16.63	-13.41	-12.2	-9.43	-9.18	-17.84	-12.29	-10.02	-13.29	-26.31	-17.82
θ (60°)	-15.6	-19.38	-33.12	-14.61	-14.81	-18.57	-19.77	-18.56	-16.56	-10.57	-11.44	-13.12	-16.81	-16.13	-21.41	-12.32	-15.51	-14.53	-16.34	-21.84	-14.56	-13.73	-11.32	-11.47	-15.6
θ (75°)	-20.32	-15.73	-10.76	-8.07	[-6.73]	-10.71	-16.12	-28.13	-18.63	-10.48	-7.99	-10.46	-11.49	-14.38	-25.96	-18.5	-14.33	-10.44	-14.41	-16.76	-11.42	-16.76	-9	-13.87	-20.32
θ (90°)	-19.2	-31.95	-15.43	-14.3	-8.14	-24.87	-34.11	-17.06	-11.08	-12.89	-8.19	-12.91	-13.77	-13.59	-26.14	-18.7	-17.31	-12.67	-11.53	-18.11	-8.2	-12.92	-8.29	-12.07	-19.2
θ (105°)	-22.92	-18.83	-16.6	-15.56	-13.18	-11.15	-16.65	-18.3	-22.85	-19.08	-13.62	-18.2	-19.47	-23.34	-16.9	-12.02	-15.04	-16.44	-15.79	-14.16	-17.09	-10.14	-9.22	-12.26	-22.92
θ (120°)	-20.41	-17.34	-20.03	-13.66	-32.07	-23.11	-15.48	-13.6	-18.79	-19.28	-12.93	-14.65	-12.43	-14.83	-11.76	-13.54	-12.41	-14.69	-22.06	-15.62	-13.84	-15.03	-15.04	-18.56	-20.41
θ (135°)	-24.69	-33.8	-24.15	-14.78	-20.71	-21.91	-27.16	-22.37	-25.31	-19.63	-10.23	-12.66	-12.29	-12.3	-12.27	-16.85	-16.22	-17.94	-16.2	-15.7	-18.85	-17.38	-12.78	-17.19	-24.69
θ (150°)	-16.07	-19.13	-11.1	-13.25	-22.16	-27.73	-20.11	-13.57	-24.05	-12.59	-18.44	-17.05	-15.76	-14.08	-14.66	-18.2	-34.24	-25.17	-17.83	-13.03	-8.93	-13.28	-29.37	-18.3	-16.07
θ (165°)	-10.77	-11.85	-17.01	-22.76	-26.25	-18.08	-18.92	-18.38	-13.62	-16.5	-24.83	-15.13	-11.1	-7.9	-7.33	-7.24	-7.47	-8.52	-10.46	-10.79	-13.57	-22.22	-42.23	-22.29	-10.77
θ (180°)	-22.34	-17.92	-12.91	-11.68	-13.12	-13.55	-14.94	-14.84	-17.99	-24	-25.74	-18.65	-15.46	-14.77	-13.1	-12.63	-13.54	-13.87	-15.15	-13.78	-15.61	-20.1	-29.02	-25.6	-22.34

Ant.	No.1																								
Freq. (MHz)	5470																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-14.26	-15.64	-15.94	-18.1	-18.88	-20.54	-20.02	-18.36	-17.41	-15.56	-15.01	-14.75	-14.51	-15.28	-16.54	-18.72	-21.03	-23.37	-20.36	-18.71	-15.16	-13.93	-12.73	-13.36	-14.26
θ (15°)	-3.11	-3.72	-4.24	-5.73	-7.19	-10.14	-12.63	-15.94	-18.6	-15.15	-11.68	-9.9	-9.43	-9.2	-9.25	-10.06	-10.33	-9.47	-7.9	-7.09	-7.27	-7.83	-6.1	-3.95	-3.11
θ (30°)	-11.66	-8.12	-4.97	-2.98	-3.46	-5.64	-7.76	-3.88	-2.52	-5.7	-4.95	-6.88	-5.7	-4.82	-6.63	-5.57	-5.2	-7.25	-9.28	-10.15	-7.66	-7.72	-15.86	-22.55	-11.66
θ (45°)	-3.25	-2.34	-3.66	-1.12	-2.82	-7.24	-3.76	-1.56	-4.06	-0.67	-2.43	-2.49	-3.34	-2.53	-3.87	-1.8	-2.83	-3.2	-2.35	-1.46	-2.9	-2.14	-1.52	-1.74	-3.25
θ (60°)	-7.23	-1.89	-1.34	-3.09	0.19	-0.89	-1.07	-0.1	-1.27	1.26	-0.93	0.68	-1.5	-1.49	-1.08	-0.64	-4.29	-3.34	-1.73	-4.55	-7.89	-2.46	-1.42	-4.41	-7.23
θ (75°)	-4.2	0.13	-1.49	-1.05	-1.68	-1.82	-1.89	-4.1	-0.66	1.21	[2.14]	-0.77	0.17	-0.12	1.11	0.18	-0.63	0.08	-0.28	-1.41	-1.64	-2.9	-0.07	-1.01	-4.2
θ (90°)	-1.48	1.16	-0.9	-1.72	-2.37	-3.3	-1.79	-1.43	-0.68	0.3	0.23	0.1	0.51	1.84	1.5	-0.41	-0.46	0.03	-0.38	0.08	-0.95	-1.56	1.21	-0.13	-1.48
θ (105°)	-3.04	-0.13	-2.79	-2.83	-5.07	-3.32	-4.01	-1.71	-0.37	0.83	0.38	1.23	1.78	1.12	1.02	-3.26	-0.26	1.13	0.6	-0.22	-3.35	0.15	1.69	-0.47	-3.04
θ (120°)	-6.79	-2.69	-1.99	-6.34	-3.99	-4.72	-8.71	-6.22	-3.06	-2.52	-0.53	-2.11	-7.06	-4.16	-2.12	-2.43	-7.95	-8.86	-6.38	-6.39	-2.16	-1.55	-3.79	-4.78	-6.79
θ (135°)	-7.35	-4.72	-4.72	-4.03	-3.36	-3.82	-3.97	-6.89	-8.4	-5.75	-7.03	-9.37	-6.84	-2.98	-2.1	-2.63	-2.99	-2.09	-2.64	-3.07	-5.66	-2.91	-3.02	-3.3	-7.35
θ (150°)	-9.38	-9.14	-10.38	-7.25	-7.23	-17	-27.78	-16.32	-6.3	-6.27	-7.59	-11.59	-11.55	-12.15	-21.19	-24.03	-12.26	-7.86	-7.79	-11.79	-8.47	-7.41	-8.14	-12.53	-9.38
θ (165°)	-5.64	-10.17	-13.67	-16.56	-14.73	-11.8	-11.8	-11.89	-9.51	-9.17	-12.57	-16.07	-14.47	-14.43	-11.24	-8.33	-6.63	-5.85	-5.24	-5.03	-4.57	-4.09	-4.5	-4.32	-5.64
θ (180°)	-25.36	-22.05	-19.17	-27.68	-22.33	-18.8	-14.26	-12.78	-11.83	-11.3	-11.56	-11.8	-13.15	-15.2	-18.2	-23.82	-29.53	-17.84	-13.92	-11.05	-8.83	-8.59	-9.98	-15.3	-25.36
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-18.3	-17.41	-16.78	-13.78	-14.38	-14.39	-15.38	-15.97	-15.84	-17.99	-19.35	-21.59	-19.99	-17.86	-15.42	-14.15	-13.45	-12.82	-13.38	-13.1	-16.02	-17.13	-20.47	-19.88	-18.3
θ (15°)	-17.2	-15.53	-11.9	-9.17	-7.55	-8.6	-10.19	-15.4	-25.29	-21.8	-20.87	-18.97	-15.62	-11.4	-10.06	-10.68	-10.98	-12.08	-12.08	-14.83	-27.06	-11.69	-9.8	-11.31	-17.2
θ (30°)	-20.72	-17.82	-15.36	-14.36	-14.7	-14.85	-15.19	-16.36	-17.01	-14.75	-18.92	-22.42	-20.23	-12.28	-9.41	-9.19	-10.92	-13.49	-13.29	-18.3	-20.25	-10.43	-9.85	-16.06	-20.72
θ (45°)	-22.95	-12.15	-9.23	-8.27	-11.15	-15.35	-14.63	-15.46	-14.32	-9.51	-11.98	-14.5	-23.04	-21.47	-19.44	-15.19	-14.84	-15.65	-10.95	-14.31	-13.22	-9.94	-11.23	-26.14	-22.95
θ (60°)	-16.96	-18.44	-29.38	-13.69	-14.39	-18.07	-16.15	-22.4	-30.77	-13.75	-9.72	-11.74	-17.92	-15.03	-21.84	-13.53	-13.13	-13.47	-15.19	-33.46	-14.59	-13.93	-11.29	-11.71	-16.96
θ (75°)	-28.47	-20.67	-11.94	-9.28	-7.52	-11.54	-22.97	-24.83	-12.13	-10.24	-8.34	-9.5	-12.26	-14.47	-18.01	-28.4	-14.87	-11.26	-10.85	-16.21	-12.02	-13.04	-8.71	-12.29	-28.47
θ (90°)	-16.8	-29.68	-18.46	-16.22	-9.88	-25.71	-27.25	-14.76	-12.93	-13.22	-8.12	-12.6	-16.96	-16.7	-22.56	-27.21	-16.35	-14.52	-12.78	-24.06	-8.07	-12.18	-8.64	-10.83	-16.8
θ (105°)	-17.49	-24.9	-19.14	-19.11	-11.49	-12.04	-22.31	-15.44	-21.65	-19.45	-10.77	-14.9	-20.92	-25.84	-17.33	-11.78	-12.2	-18	-14.55	-16.02	-12.63	-10.92	-8.49	-11.9	-17.49
θ (120°)	-23.25	-21.99	-19.53	-13.72	-39.67	-23.08	-17.63	-13.33	-18.12	-21.66	-12.14	-14.19	-14.17	-14.04	-14.3	-12.36	-9.87	-12.35	-23.35	-18.64	-12.56	-15.09	-14.65	-15.49	-23.25
θ (135°)	-19.23	-28.3	-37.21	-16.61	-21.8	-15.98	-22.04	-25.34	-21.56	-18.94	-9.68	-10.12	-11.39	-12.47	-14.14	-17.58	-20.32	-22.18	-18.92	-16.98	-22.59	-18.42	-14.67	-17.37	-19.23
θ (150°)	-15.32	-18.98	-11.91	-14.79	-22.76	-20.99	-18.4	-13.81	-21.47	-13.64	-16.68	-13.64	-14.97	-14.6	-17.25	-23.17	-36.2	-31.2	-17.37	-15.05	-9.49	-13.75	-38.54	-18.17	-15.32
θ (165°)	-11.29	-9.72	-16.74	-24	-24.48	-18.44	-18.5	-15.06	-11.21	-17.17	-21.41	-13.54	-9.62	-6.71	-5.66	[-5.65]	-6.57	-7.8	-9.66	-11.14	-12.25	-19.14	-29.34	-21.94	-11.29
θ (180°)	-18.59	-14.2	-11.38	-10.65	-11	-13.9	-13.03	-15.85	-17.34	-20.55	-21.21	-18.57	-16.78	-15.23	-14.33	-13.78	-14.26	-14.44	-13.79	-12.81	-14.76	-19.71	-38.85	-25.67	-18.59

Ant.	No.1																								
Freq. (MHz)	5725																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-32.97	-31.69	-28.56	-27.97	-27.31	-30.34	-30.64	-41.82	-40.3	-30.36	-27.73	-26.68	-25.74	-23.62	-24.92	-24.65	-26.68	-27.95	-28.97	-33.65	-26.5	-24.75	-22.38	-23.98	-32.97
θ (15°)	-5.67	-5.19	-6.15	-7.32	-10.02	-16.17	-20.05	-10.8	-8.92	-8.87	-10.63	-16.55	-45.17	-22.68	-19.49	-20.45	-20.14	-18.77	-17.45	-14	-10.22	-6.95	-6.49	-7.61	-5.67
θ (30°)	-5.68	-7.49	-14.83	-22.51	-21.42	-12.14	-6.3	-5.74	-11.42	-11.96	-12.11	-8.23	-13.28	-7.71	-8.36	-8.56	-8.47	-10.21	-11.06	-10.37	-7.98	-5.22	-2.85	-6.01	-5.68
θ (45°)	-2.59	-3.14	-4.38	-7.9	-8.66	-3.57	-0.91	-4.3	-1.21	-1.73	-0.94	-6.34	-5.37	-5.32	-3.46	-4.67	-7.34	-8.43	-6.57	-3.96	-2.1	-2.32	-2.21	-1.23	-2.59
θ (60°)	-7.72	-7.33	-6.61	-2.09	-3.02	-3.48	-1.67	-6.16	-1.57	-2.38	-2.51	-2.24	-1.49	-0.66	-0.96	-4.11	-1.33	-1.41	-1.92	-2.88	-2.9	-8.65	-6.52	-3.33	-7.72
θ (75°)	-3.49	-1.49	-2.26	-0.4	-2.71	-6.09	-3.86	-4.27	-1.93	-1.67	-2.2	-0.99	0.43	0.39	-0.78	-0.73	-0.42	-0.72	-0.6	0.09	-1.81	-3.3	-2.4	-3.13	-3.49
θ (90°)	-1.61	-0.1	0.45	-3.22	-2.53	-1.12	-0.18	-0.36	-1.5	0.23	-0.75	0.63	-0.69	-0.7	0.32	-2.08	-0.52	0.63	0.04	-1.64	-0.71	-0.59	1.03	1.38	-1.61
θ (105°)	-5.24	-0.93	-2.48	-0.75	-6	-4.44	-5.17	-3.57	-0.68	0.96	1.65	-0.19	[1.82]	1.54	-0.72	-1.62	0.25	-0.4	0.82	0.05	-0.92	-0.46	0.58	0.73	-5.24
θ (120°)	-9.45	-1.86	-0.95	-4.06	-3.94	-5.96	-11.25	-7.08	-1.88	-2.26	-1	-4.15	-3.27	-2.56	-1.28	-3.18	-5.34	-4.76	-3.01	-8.03	-6.31	-1.74	-3.38	-4.99	-9.45
θ (135°)	-7.35	-6.24	-3.27	-5.83	-4.48	-3.99	-5.08	-4.86	-6.24	-3.76	-5.96	-6.67	-5.05	-2.86	-0.06	-3.64	-4.72	-2.34	-2.03	-3.62	-4.73	-2.08	-0.45	-1.29	-7.35
θ (150°)	-7.26	-6.92	-12.3	-8.93	-7.18	-15.5	-30.39	-11.17	-4.39	-5.75	-6.86	-13.35	-8.32	-10.61	-13.52	-10.65	-7.87	-8.21	-10.69	-10.9	-7.07	-4.41	-5.4	-5.63	-7.26
θ (165°)	-5.98	-8.51	-9.37	-10.93	-12.8	-11.27	-11.23	-11.36	-10.33	-11.66	-18.43	-22.24	-19.2	-17.04	-12.57	-9.99	-7.94	-5.64	-3.86	-3.01	-3.22	-2.44	-2.03	-3.28	-5.98
θ (180°)	-23.21	-19.88	-18.33	-25.68	-22.21	-15.32	-13.59	-11.98	-10.82	-10.02	-10.48	-11.16	-13.11	-14.49	-18.82	-24.04	-25.49	-18.09	-14.02	-11.49	-10.13	-8.97	-10.53	-15.11	-23.21
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-31.71	-24.83	-26.73	-34.15	-27.19	-27.01	-25.51	-32.05	-25.65	-25.52	-26.47	-29.17	-28.3	-28.15	-29.79	-26.95	-30.64	-25.44	-28.49	-23.31	-22.82	-23.27	-26.17	-23.74	-31.71
θ (15°)	-21.23	-14.67	-12.18	-12.35	-9.93	-10.26	-11.61	-19.96	-22.09	-17.36	-17.13	-18.46	-22.26	-17.57	-12.83	-12.22	-14.38	-15.82	-13.41	-13.05	-17.76	-27.43	-18.07	-15.04	-21.23
θ (30°)	-20.27	-16.83	-8.06	-5.82	-7.1	-5.81	-5.69	-7.58	-23.12	-11.54	-15.88	-25.55	-26.69	-19.67	-8.27	-9.72	-9.21	-9.1	-11.72	-14.79	-16.32	-9.47	-10.12	-19.82	-20.27
θ (45°)	-17.54	-13.36	-14.06	-13.32	-17.08	-20.67	-23.87	-16.16	-21.88	-13.22	-18.9	-24.11	-23.22	-15.86	-16.8	-13.18	-17.37	-33.85	-21.36	-14.95	-15.76	-14.36	-14.43	-23.79	-17.54
θ (60°)	-37.71	-22.01	-20.1	-8.54	-10.7	-10.82	-11.56	-12.88	-16.73	-16.77	-9.48	-11.12	-16.43	-19.34	-16.52	-18.28	-12.29	-12.39	-13.87	-22.67	-13.3	-14.49	-10.69	-11.64	-37.71
θ (75°)	-28.17	-11.77	-11.54	-8.02	-6.83	-13.5	-20.01	-15.58	-12.66	-10.48	-7.74	-11.55	-17.12	-16.75	-26.01	-22.17	-21.53	-10.54	-14.1	-21.9	-11.17	-11.57	-6.61	-10.6	-28.17
θ (90°)	-17.99	-21.93	-21.74	-18.17	-12.47	-31.22	-26.26	-18.69	-18.6	-11.69	-10.11	-13.37	-18.91	-16.66	-26.42	-36.08	-22.12	-15.8	-16.7	-20.54	-14.1	-13.53	-7.73	-9.64	-17.99
θ (105°)	-19.02	-17.29	-12.03	-13.29	-10.63	-12.58	-20.59	-18.15	-23.03	-20.75	-11.17	-14.45	-16.65	-20.43	-21.64	-14.17	-17.34	-16.34	-16.88	-20.57	-9.99	-11.31	-10.28	-12.25	-19.02
θ (120°)	-23.85	-21.23	-17.08	-10.22	-35.35	-16.06	-14.46	-14.64	-16.46	-14	-13.9	-12.43	-16.28	-15.81	-18.6	-14.14	-11.84	-18.94	-23.54	-12.85	-9.83	-17.12	-14.89	-15.1	-23.85
θ (135°)	-22.27	-36.52	-21.65	-15.27	-26.53	-13.67	-21.35	-19.68	-19.14	-18.28	-12.08	-8.29	-12.18	-13.36	-15.33	-9.73	-12.52	-20.57	-18.18	-13.91	-18.46	-20.05	-15.19	-21.34	-22.27
θ (150°)	-16.85	-12.69	-12.75	-13.4	-17.17	-22.13	-16.92	-10.97	-17.11	-19.04	-12.09	-12.11	-19.7	-28.11	-17.94	-19.62	-23.83	-21.28	-17.41	-11.95	-8.27	-9.7	-20.8	-11.4	-16.85
θ (165°)	-9.77	-6.66	-9.1	-17.95	-20.42	-16.4	-17.78	-15.17	-14.03	-31.07	-15.82	-14.46	-8.76	-5.74	-6.21	-5.58	-5.07	[-4.85]	-6.11	-9.62	-14.1	-27.21	-22.31	-34.31	-9.77
θ (180°)	-17.17	-11.87	-8.79	-8.59	-10.42	-11.44	-13.03	-16.45	-19.02	-27.65	-21.92	-16.02	-13.28	-12.82	-11.56	-12.49	-12.94	-14.87	-16.54	-14.84	-14.9	-20.26	-36.99	-32.57	-17.17

Ant.	No.1																								
Freq. (MHz)	5850																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-15.75	-14.72	-13.88	-14.73	-15.45	-16.76	-17.79	-18.65	-20.06	-19.66	-19.94	-20.01	-17.97	-17.76	-16.21	-15.9	-15.31	-17.7	-16.24	-20.42	-19.67	-22.52	-24.53	-21.51	-15.75
θ (15°)	-13.59	-8.94	-9.77	-11.52	-16.02	-17.05	-9.03	-6.7	-7.28	-9.67	-16.05	-20.67	-15.27	-20.17	-19.97	-16.31	-15.55	-14.96	-21.34	-24.48	-19.36	-14.98	-13.12	-18.2	-13.59
θ (30°)	-0.32	-2.19	-5.35	-7.65	-7.38	-5.99	-7.38	-11.56	-16.34	-7.29	-13.13	-7.81	-13.28	-8.39	-11.99	-11.04	-9.32	-7.23	-7.48	-7.92	-7.65	-6.46	-2.02	-2.57	-0.32
θ (45°)	-2.78	-4.15	-4.7	-12.47	-7.67	-3.24	-2.01	-4.57	-1.4	-3.23	-1.39	-4.48	-4.16	-4.28	-4.36	-4.22	-4.82	-6.23	-9.96	-4.78	-4.88	-4.09	-4.06	-5.5	-2.78
θ (60°)	-3.74	-9.18	-6.1	-6.29	-2.69	-3.11	-3.77	-8.06	-2.09	-5.97	-0.66	-1.9	-2.21	-4.68	-0.23	-2.35	-1.39	-2.68	-2.95	-2.4	-2.32	-3.53	-4.92	-7.34	-3.74
θ (75°)	-1.93	-1.94	-2.35	0.41	-1.02	-5.42	-3.57	-1.61	-1.12	-4.43	-3.92	-0.7	-1.62	0.22	-1.43	-1.08	-1.15	-3.43	-1.76	-1.08	-1.32	-1.09	0.41	-1.42	-1.93
θ (90°)	-1.04	-0.76	-0.14	-3.89	0.12	0.17	0.44	-1.24	0.23	-1.11	-1.26	0.14	-0.93	-0.91	-0.09	0.65	-2.07	-0.52	-0.02	-0.74	-0.21	1.08	1.22	1.17	-1.04
θ (105°)	-6.22	-2.21	-2.41	-1.23	-4.57	-5.8	-6.37	-2.34	0.99	-0.07	1.6	-0.7	[1.65]	0.62	-1.22	1.04	0.11	-1.86	-0.76	-1.11	0.39	-0.77	-0.13	-0.23	-6.22
θ (120°)	-8.2	-2.84	-0.85	-6.11	-4.16	-4.76	-10.97	-7.02	-1.91	-3.36	-2.1	-3.44	-2.34	-6.02	-1.4	-3.44	-2.63	-1.87	-2.23	-6.92	-7.5	-1.51	-2.62	-7.23	-8.2
θ (135°)	-5.03	-3.85	-4.43	-7.8	-3.36	-3.43	-6.35	-6.61	-5.69	-3.66	-5.93	-2.58	-3.64	-5.77	0.69	-6.28	-4.63	-1.95	-1.81	-1.83	-3.46	-2.2	-0.09	-2.89	-5.03
θ (150°)	-6.18	-5.78	-12.38	-10.77	-6.89	-12.14	-29.08	-8.33	-3.27	-5.29	-7.49	-11.42	-6.15	-11.09	-31.76	-11.61	-7.77	-8.12	-13.17	-15.46	-11.15	-5.13	-7.41	-5.45	-6.18
θ (165°)	-6.83	-7.37	-9.49	-11.25	-13.83	-11.32	-11.99	-12.63	-14.46	-15.93	-21	-21.27	-16.67	-14.18	-11.33	-10.21	-8.36	-6.14	-4.54	-3.91	-4.34	-3.11	-2.29	-3.86	-6.83
θ (180°)	-18.15	-14.59	-15.38	-20.62	-27.96	-17.26	-14.4	-12.15	-10.49	-9.87	-9.1	-10.01	-10.81	-13.03	-15.84	-22.51	-34.6	-18.66	-14.35	-12.52	-10.1	-9.19	-10.07	-14.32	-18.15
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-14.45	-17.64	-19.65	-17.34	-18.53	-17.23	-17.6	-15.66	-14.96	-15.26	-15.91	-18.02	-19.46	-19.1	-18.67	-16.99	-17.58	-17.18	-15.79	-16.56	-15.87	-13.72	-14.16	-15.72	-14.45
θ (15°)	-26.35	-18.48	-15.6	-14.82	-12.45	-10.77	-12.63	-18.71	-23.34	-19.54	-17.28	-19.87	-20.08	-30.83	-24.23	-19.83	-22.36	-24.15	-19.06	-14.58	-13.95	-15.85	-15.55	-15.49	-26.35
θ (30°)	-15.43	-15.66	-7.91	-6.81	-7.83	-5.74	-5.35	-8.05	-25.6	-11.47	-15.96	-14.68	-21.08	-23.66	-11.94	-16.89	-12.76	-12.23	-9.2	-14.59	-17.59	-13.34	-10.03	-14.94	-15.43
θ (45°)	-19.59	-11.95	-21.67	-10.9	-14.23	-16.23	-15.23	-17.38	-18.88	-15.68	-19.88	-17.91	-23.64	-12.33	-18.35	-10.51	-14.84	-24.65	-22.6	-23.84	-19.1	-22.63	-14.41	-27.73	-19.59
θ (60°)	-23.38	-28	-15	-8.5	-7.23	-7.23	-7.39	-7.97	-13.98	-20.46	-8.26	-6.6	-11.19	-23.18	-16.55	-22.92	-13.46	-10.78	-9.76	-16.46	-10.32	-16.84	-8.77	-11.21	-23.38
θ (75°)	-20.6	-10.16	-9.82	-6.54	-7.12	-12.15	-18.97	-9.97	-11.35	-15.69	-10.18	-12.47	-15.38	-13.73	-17.17	-32.19	-18.77	-12	-14.42	-16.72	-9.72	-10.92	-7.46	-8.4	-20.6
θ (90°)	-19.99	-25.09	-22.45	-13.18	-13.56	-24.52	-25.23	-14.89	-18.06	-15.39	-10.88	-12.76	-15.94	-18.31	-24.65	-18.83	-18.61	-20.55	-16.21	-21.18	-14.75	-12.93	-6.57	-11.21	-19.99
θ (105°)	-18.11	-13.76	-11.23	-10.99	-8.57	-15.54	-21.37	-18.02	-16.74	-29.92	-10.91	-10.91	-12.5	-15	-28.85	-15.44	-16.57	-17.36	-23.52	-17.67	-9.52	-9.99	-10.44	-13.79	-18.11
θ (120°)	-17.23	-20.26	-14.41	-10.29	-24.24	-11.86	-11.88	-10.75	-12.12	-14.22	-11.74	-9.73	-18.16	-25.95	-16.12	-14.28	-10.06	-21.34	-20.81	-11.44	-9.01	-15.8	-13.71	-16.06	-17.23
θ (135°)	-20.14	-27.68	-18.92	-13.74	-32.29	-11.07	-18.92	-17.12	-16.87	-21.28	-11.06	-6.07	-11.74	-14.1	-17.49	-10.4	-12.97	-28.52	-26.32	-16.58	-15.06	-23.69	-15.9	-22.21	-20.14
θ (150°)	-11.14	-9.69	-16.94	-12.11	-16.97	-19.73	-18.57	-11.47	-22.31	-24.52	-11.32	-14.55	-19.28	-21.23	-16.81	-16.14	-21.13	-18.49	-31.6	-17.85	-10.11	-11.08	-30.57	-10.17	-11.14
θ (165°)	-8.2	-5.59	-8.71	-19.72	-23.41	-16.45	-17.5	-17.24	-17.6	-22.57	-17.26	-19.63	-9.32	-5.96	-6.11	-7.17	-6.11	[5.22]	-6.93	-9.4	-16.75	-27.68	-19.37	-31.07	-8.2
θ (180°)	-17.25	-11.3	-8.24	-7.94	-9.7	-9.78	-11.71	-13.31	-15.42	-20.32	-27.15	-19.61	-14.41	-13.25	-12.05	-10.74	-12.68	-13.8	-14.8	-15.54	-14.46	-16	-22.25	-30.74	-17.25

Ant.	No.2																								
Freq. (MHz)	5150																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.25	-17.7	-17.67	-19.21	-24.73	-28.57	-42.58	-27.69	-24.29	-21.61	-19.05	-17.97	-18.09	-18.2	-18.55	-21.58	-22.91	-27.91	-45.99	-28.18	-21.33	-18.3	-16.74	-15.59	-16.25
θ (15°)	-9.74	-10.28	-12.01	-13.2	-11.91	-10.42	-9.06	-9.54	-14.26	-18.34	-11.49	-10	-11.79	-14.32	-16.26	-15.58	-12.28	-12.21	-11.73	-10.79	-11.21	-12.1	-11.87	-11.1	-9.74
θ (30°)	0.88	-0.64	-3.32	-3.75	-3.74	-3.37	-2.12	-2.12	-2.57	-4.3	-7.19	-6.84	-6.59	-7.72	-2.95	-1.12	-2.3	-3.72	-7.41	-8.13	-4.84	-2.92	-4.07	-3.14	0.88
θ (45°)	-5.36	-0.72	0.58	1.18	-1.09	-4.07	-6.53	-4.21	-0.89	-0.33	-3.99	-4.72	-4.3	-4.61	-2.06	-1.9	-3.48	-4.05	-4.84	-4.65	-2.76	-1.74	-4.07	-6.17	-5.36
θ (60°)	-3.33	-1.43	0.76	0.97	-0.8	-2.95	-0.8	-0.42	1	-1.52	3.06	-0.5	-0.58	1.91	1.82	-1.3	-2.21	-2.46	-2.31	-3.09	-4.06	-1.54	0.84	-0.42	-3.33
θ (75°)	-2.6	-0.17	-0.37	-2.34	-1.08	-1.22	-0.12	-0.71	-1.63	1.97	1.43	-0.62	-0.71	0.64	1.29	0.35	-0.04	-0.85	-0.78	-0.28	-1.99	-0.28	0.06	-0.87	-2.6
θ (90°)	-1.13	0.89	0.62	-0.98	-2.76	-3.09	-1.88	-0.99	-2.75	1.27	-0.31	-0.37	-0.15	0.51	1.41	-2.95	-2.82	-2.14	-2.24	-2.35	-2.43	0.08	0.81	1.35	-1.13
θ (105°)	-2.73	0.16	-0.3	-1.7	-2.69	-1.92	-1.55	-3.38	-0.58	-0.93	[3.11]	-0.29	0.47	2.39	2.16	-1.48	-3.14	-3.25	-2.43	-3.16	-1.35	0.31	1.17	1.1	-2.73
θ (120°)	-3.4	-5.55	-2.89	-1.37	-6.29	-7.92	-8.72	-9.59	-4.83	-1.3	0.26	-4.4	-7.27	-0.36	-1.24	-1.91	-0.84	-4.09	-4.36	-4.12	-2.28	-4.97	-2.25	-3.66	-3.4
θ (135°)	-4.32	-4.04	-0.99	-3.14	-6.09	-6.41	-6.88	-7.02	-3.38	-4.55	-8.25	-5.15	-11.21	-4	-0.12	-3.59	-5.68	-7.03	-6.08	-5.77	-4.43	-4.14	-3.63	-3.16	-4.32
θ (150°)	-4.48	-4.56	-6.68	-6.34	-7.91	-8.87	-12.52	-16.88	-16.74	-14.22	-13.2	-18.07	-17.61	-21.44	-14.01	-11.64	-12.88	-14.52	-10.09	-10.9	-16.19	-6.33	-7.48	-7.5	-4.48
θ (165°)	-13.01	-13.06	-13.52	-17.56	-14.72	-11.74	-10.41	-10.98	-10.44	-9.05	-10.44	-13.99	-23.81	-29.97	-29.35	-18.9	-14.31	-11.25	-9.61	-7.95	-7.77	-9.64	-10.28	-10.36	-13.01
θ (180°)	-18.26	-16.46	-14.36	-15.38	-16.95	-17.22	-19.4	-24.04	-33.38	-27.82	-21.65	-16.79	-15.47	-15.27	-13.96	-15.08	-17.88	-18.83	-22.32	-32.12	-44.51	-29.7	-28.56	-20.51	-18.26
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-40.67	-30.43	-23.25	-19.39	-18.27	-17.6	-17.75	-18.25	-19.9	-21.26	-22.69	-27.14	-45.16	-31.9	-24.76	-21.48	-17.97	-16.32	-16.82	-17.54	-19.13	-19.85	-20.46	-24.63	-40.67
θ (15°)	-19.66	-13.44	-10.43	-7.85	[-7.40]	-7.94	-10.75	-18.6	-21.04	-15.28	-15.48	-19.66	-29.96	-31.11	-20.15	-14.95	-11.97	-10.21	-9.62	-9.71	-12.13	-17.64	-22.19	-22.57	-19.66
θ (30°)	-17.14	-14.4	-9.42	-8.46	-10	-9.83	-9.17	-12.4	-13.68	-12.14	-9.62	-17.43	-32.69	-30.08	-19.06	-14.23	-13.78	-14.43	-15.05	-15.35	-11.37	-11.24	-14.16	-12.86	-17.14
θ (45°)	-11.23	-10.49	-8.78	-11.24	-15.68	-14.47	-14.94	-20.63	-25.84	-13.7	-9.49	-48.33	-24.26	-17.36	-20.06	-29.49	-18.11	-13.82	-11.37	-11.06	-17.25	-21.39	-28.02	-19.01	-11.23
θ (60°)	-15.68	-13.87	-14.34	-29.87	-11.57	-12.69	-15.87	-13.24	-17.43	-14.15	-18.38	-16.29	-16.39	-12.79	-23.88	-20.13	-19.9	-14.8	-22.38	-18.9	-18.09	-20.08	-19.42	-14.16	-15.68
θ (75°)	-23.27	-28.31	-20.02	-11.45	-13.04	-12.34	-12.18	-12.74	-15.12	-21.52	-15.89	-22.72	-17.07	-20.96	-19.33	-16.64	-13.91	-14.61	-15.87	-34.76	-13.6	-16.43	-23.88	-22.32	-23.27
θ (90°)	-17.27	-17.84	-22.02	-19.07	-42.8	-9.66	-16.95	-19.47	-20.36	-23.49	-19.58	-26.61	-23.73	-20.98	-25.94	-19.78	-17.86	-19.1	-13.63	-15.89	-13.81	-20.76	-23.79	-18.31	-17.27
θ (105°)	-15.51	-24.42	-13.32	-19.33	-14.46	-17.91	-16.88	-17.39	-16.34	-18.52	-15.32	-19.76	-36.19	-20.94	-16.87	-24.75	-29.17	-20.23	-30.22	-22.35	-22.69	-26.67	-21.78	-17.25	-15.51
θ (120°)	-19.92	-26.62	-13.96	-18.67	-28.17	-14.06	-15.95	-15.87	-14.06	-19.32	-14.18	-40.84	-28	-20.63	-15.23	-17.61	-14.75	-17.72	-17.69	-18.89	-13.87	-53.03	-23.47	-20.16	-19.92
θ (135°)	-14.54	-19.93	-14.92	-17.06	-20.74	-29.56	-28.92	-24.84	-13.87	-25.05	-17.9	-16.55	-27.98	-18.54	-21.89	-18.29	-11.95	-13.12	-22.64	-19.63	-12.74	-28.54	-17.57	-17.29	-14.54
θ (150°)	-14.68	-26.27	-23.27	-21.7	-17.73	-15.43	-9.94	-10.1	-17.32	-19.08	-16.71	-17.41	-15.92	-20.37	-22.83	-20.69	-29.42	-18.45	-15.12	-17.83	-25.68	-17.49	-23.88	-16.8	-14.68
θ (165°)	-17.57	-28.38	-14.5	-10.78	-12.24	-11.96	-12.51	-14.49	-14.02	-11.29	-10.43	-12.05	-16.44	-23.15	-17.04	-12.73	-11.41	-11.65	-14.42	-18.99	-23.77	-23.65	-19.85	-17.11	-17.57
θ (180°)	-28.94	-49.7	-27.55	-24.36	-21.66	-22.26	-18.07	-15.79	-14.69	-14.79	-15.64	-16.78	-18.9	-23.59	-33.08	-29.95	-17.8	-15	-12.53	-11.72	-11.96	-13.1	-15.22	-19.42	-28.94

Ant.	No.2																								
Freq. (MHz)	5250																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-23.73	-22.4	-19.7	-20.07	-20.61	-18.83	-21.78	-23.99	-25.11	-27.56	-35.09	-32.25	-26.04	-24.68	-21.19	-20.2	-20.06	-19.38	-21.24	-21.54	-25.02	-30.58	-29.03	-25.08	-23.73
θ (15°)	-6.42	-6.68	-6.84	-7.59	-8.96	-9.57	-10.1	-10.95	-10.48	-8.16	-6.45	-7.21	-11.33	-16.27	-16.45	-13.99	-12.46	-11.74	-11	-11.11	-10.2	-9.33	-8.19	-7.26	-6.42
θ (30°)	0.31	-0.11	-2.29	-2.85	-2.43	-2.54	-2.38	-2.57	-2.3	-3.8	-3.96	-2.53	-5.88	-6.92	-2.31	-1.04	-2.44	-4.36	-7.17	-10.99	-6.37	-3.04	-2.56	-5.13	0.31
θ (45°)	-7.83	-2.47	1.37	1.72	-1.2	-5.07	-5.25	-3.27	-0.7	-0.54	-5.22	-5.89	-4.66	-3.61	-0.5	-1.87	-5.52	-5.27	-4.38	-4.78	-5.01	-1.44	-2.83	-5.13	-7.83
θ (60°)	-4.28	-3.37	1.32	1.02	-0.83	-3.42	0.5	-1	-0.54	-1.19	[3.45]	0.02	0.07	1.58	1.59	-0.51	-1.35	-1.17	-1.43	-2.04	-3.45	-2.42	1.17	-0.98	-4.28
θ (75°)	-4.67	-0.03	0.31	-1.41	-2.28	-1.08	-0.81	-1.43	-1.45	1.6	1.46	-0.88	-0.53	0.62	1.49	-0.56	-0.45	0.19	-0.72	-0.99	-2.46	-0.26	0.61	-0.4	-4.67
θ (90°)	-3.19	0.6	1.95	-0.13	-2.4	-3.42	-2.12	-1.83	-2.61	1.35	0.75	0.61	0.77	1.21	2.17	-2.4	-3.18	-1.55	-0.95	-1.64	-3.49	-0.9	1.56	1.82	-3.19
θ (105°)	-4.62	0.12	0.74	-0.91	-2.94	-3.19	-1.98	-3.1	-0.43	0.33	3.22	-0.11	1.6	2.4	2.67	-1.87	-3.45	-2.08	-3.03	-2.41	-3.04	0.53	2	1.74	-4.62
θ (120°)	-4.69	-3.73	-2.6	0.23	-4.84	-6.81	-7.54	-8.69	-3.52	-0.67	0.83	-2.56	-6.3	-0.9	-0.39	-0.9	-1.8	-5.51	-7.58	-5.26	-3.4	-4.68	-1.57	-1.96	-4.69
θ (135°)	-5.81	-4.32	-0.68	-2.73	-6.91	-5.69	-6.28	-5.4	-2.64	-2.24	-7.66	-5.08	-13.17	-2.94	1.45	-3.22	-5.01	-6.54	-6.39	-5.27	-4.27	-3.56	-2.53	-1.93	-5.81
θ (150°)	-4.34	-6.2	-8.41	-6.38	-7.41	-9.78	-11.09	-11.77	-11.49	-15.39	-12.89	-18.86	-11.49	-20.43	-8.79	-8.64	-10.44	-13.34	-9.93	-9.24	-17.31	-6.06	-6.07	-6.37	-4.34
θ (165°)	-12.5	-17.55	-17.29	-23.76	-29.58	-14.77	-12.66	-11.21	-9.58	-8.37	-9.91	-17.74	-24.76	-18.71	-16.84	-13.84	-11.09	-9.38	-7.57	-6.4	-6.36	-9.28	-11.03	-9.66	-12.5
θ (180°)	-18.04	-16.01	-17.83	-19.62	-18.57	-19.87	-23.88	-25.35	-28.02	-22.12	-20.52	-18.52	-17.56	-17.68	-19.31	-21.46	-26.08	-27.86	-28.96	-33.54	-30.72	-28.77	-21.58	-18.49	-18.04
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-20.56	-20.37	-24.14	-27.64	-28.44	-27.51	-26.36	-24.52	-23.35	-20.49	-19.31	-19.58	-20.81	-22.74	-24.9	-25.5	-37.74	-26.76	-24.91	-24.23	-23.2	-21.92	-18.95	-20.26	-20.56
θ (15°)	-26.96	-21.25	-10.87	-6.67	[-5.43]	-7.48	-12.55	-20.09	-20.98	-16.08	-16.63	-22.59	-24.12	-26.85	-25.18	-16.02	-10.66	-9.98	-9.23	-9.38	-11.05	-15.87	-18.25	-17.77	-26.96
θ (30°)	-14.66	-15.85	-9.57	-9.58	-10.03	-9.09	-8.69	-11.51	-11.12	-12.3	-10.76	-17.89	-21.54	-20.74	-20.89	-16.3	-14.4	-16.41	-16.73	-18.81	-13.45	-11.65	-13.05	-12.29	-14.66
θ (45°)	-11.84	-10.33	-10.05	-11.01	-14.91	-16.1	-16.62	-28.66	-26.5	-11.55	-11.58	-28.53	-20.26	-16.77	-18.31	-26.91	-24.45	-14.39	-10.34	-8.87	-18.97	-26.86	-22.93	-20.48	-11.84
θ (60°)	-17.15	-17.61	-13.77	-30.36	-14.84	-10.37	-17.11	-13.47	-13.39	-14.51	-22.11	-15.64	-17.29	-14.33	-20.65	-16.34	-21.6	-15.58	-18.89	-18.67	-20.1	-25.44	-19.14	-16.77	-17.15
θ (75°)	-17.75	-37.69	-18.73	-11.15	-12.01	-9.53	-12.04	-12.3	-13.2	-21.04	-15.48	-17.61	-17.6	-17.8	-24.41	-17.12	-14.66	-14.17	-17.34	-19.29	-14.93	-17.45	-19.51	-21.57	-17.75
θ (90°)	-15.83	-18.44	-20.8	-14.17	-27.27	-9.8	-16.37	-20.55	-17.49	-15.24	-17.21	-23.34	-23.64	-22.75	-23.16	-25.65	-16.93	-17.28	-15.13	-16.56	-16.13	-23.98	-19.92	-18.62	-15.83
θ (105°)	-14.22	-37.11	-12.86	-21.94	-12.76	-15.89	-15.03	-15.78	-17.89	-16.78	-12.9	-15.69	-28.03	-17.3	-18.96	-27.51	-21.89	-18.99	-29.91	-21.45	-19.56	-19.31	-22.7	-17.06	-14.22
θ (120°)	-17.43	-26.09	-14.76	-19.97	-22.53	-11.26	-13.3	-13.66	-11.34	-14.8	-11.99	-30.1	-24.45	-16.05	-15.3	-14.35	-17.48	-22.27	-20.37	-16.57	-13.38	-28.62	-28.25	-22.32	-17.43
θ (135°)	-13.21	-24.28	-19.83	-20.32	-19.93	-30.45	-17.1	-26.27	-13.55	-17.09	-17.63	-17.15	-23.89	-15.59	-24.39	-17.05	-8.15	-10.2	-18.89	-23.42	-12.05	-36.76	-14.76	-13.86	-13.21
θ (150°)	-15.5	-20.72	-20.66	-25.32	-18.44	-21.95	-10.45	-9.95	-18.86	-20.46	-15.53	-15.95	-15.87	-18.45	-22.35	-15.15	-18.18	-25.28	-16.02	-14.69	-29.16	-19.89	-36.42	-14.59	-15.5
θ (165°)	-21.68	-20.96	-13.04	-11.51	-10.18	-11.81	-12.92	-16.23	-16.46	-12.17	-11.33	-12.56	-15.68	-20.76	-18.23	-12.79	-11	-11.73	-13.9	-17.43	-20.32	-18.55	-16.45	-17.03	-21.68
θ (180°)	-28.14	-27.69	-49.41	-30.07	-28.72	-20.11	-18.23	-17.81	-17.21	-17.27	-18.5	-21.11	-22.12	-28.29	-31.84	-39.4	-26.48	-17.85	-15.4	-15.47	-15.75	-17.16	-19.83	-24.29	-28.14

Ant.	No.2																								
Freq. (MHz)	5350																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-23.03	-26.78	-23.56	-21.79	-17.97	-17.79	-16.65	-16.2	-16.35	-16.68	-16.95	-18.08	-19.17	-20.89	-21.32	-20.01	-18.66	-18.16	-16.22	-16.43	-16.35	-16.57	-17.45	-19.45	-23.03
θ (15°)	-3.4	-2.9	-3.12	-4.18	-5.78	-8.12	-10.34	-11.14	-9.57	-6.94	-6.05	-7.91	-11.87	-13.9	-14.47	-14.96	-14.6	-13.36	-12.63	-11.74	-11.41	-10.29	-7.64	-5.46	-3.4
θ (30°)	-1.33	-0.97	-2.27	-4.1	-5.63	-4.79	-3.71	-3.21	-3.37	-4.67	-1.17	-0.59	-6.61	-7.99	-4.66	-4.42	-4.31	-4.45	-5.45	-9.2	-12.29	-6.34	-4.37	-8.47	-1.33
θ (45°)	-5.34	-3.07	-0.53	-0.11	-3.42	-8.94	-4.1	-3.88	-3.26	-2.98	-3.21	-2.56	-5.11	-3.61	-1.93	-3.16	-4.38	-5.02	-4.05	-2.04	-4.53	-3.36	-5.26	-5.79	-5.34
θ (60°)	-1.68	-1.79	-0.53	-1.96	-4.63	-2.19	1.17	-0.7	-3.49	-1.21	1.85	1.43	-1.26	-0.36	0.25	1.6	0.26	-1.55	-1.22	-1.57	-1.25	-2.33	-0.07	-2.43	-1.68
θ (75°)	-2.53	0.52	-2.05	-2.3	-1.95	0.58	0.42	-0.65	-2.57	0.52	0.62	-0.21	-3.02	-0.69	1.28	-0.02	-1.78	-1.4	-1.32	-1.62	-0.77	-0.02	-0.89	-2.21	-2.53
θ (90°)	-2.27	0.98	1.36	-1.27	-1.59	-1.55	0.87	-0.19	-2.1	-0.53	0.26	1.88	1.05	1.24	0.83	-0.67	-1.9	-2.4	-2.41	-1.5	-2.27	0.6	1.68	-0.15	-2.27
θ (105°)	-3.39	0.39	-1.62	-1.67	-2.25	-0.86	-1.36	-2.32	0.76	-2.03	[2.86]	1.57	1.76	1.56	2.38	0.17	-1.46	-0.72	-2.65	-2.51	-1.45	1.91	1.03	-0.25	-3.39
θ (120°)	-4.72	-1.88	-2.97	-0.98	-6.72	-9	-7.62	-9.71	-3.98	-1.62	-0.59	-0.93	-7.2	-1.18	-1.21	1.22	-1.01	-4.61	-8.56	-6.47	-2.83	-2.61	-2.32	-1.99	-4.72
θ (135°)	-4.19	-2.06	-1.27	-4.94	-10.01	-7.85	-6.58	-3.9	-3.08	-2.72	-4.8	-5.19	-8.07	-3.58	-0.02	-3.17	-3.33	-4.04	-4.05	-3.18	-2.94	-3.52	-3.62	-3.65	-4.19
θ (150°)	-3.86	-5.3	-8.62	-6.71	-7.35	-9.12	-8.36	-9.52	-9.53	-14.1	-11.37	-15.3	-12.88	-20.39	-8.74	-8.42	-9.64	-12.23	-8.93	-7.09	-9.99	-6.04	-4.84	-7.13	-3.86
θ (165°)	-12.66	-17.59	-17.8	-19.53	-21.33	-14.5	-11.21	-10.03	-8.56	-7.43	-9.23	-14.99	-18.77	-15.92	-15.92	-15.09	-13.21	-10.12	-8.28	-6.93	-6.23	-8.22	-11.54	-11.97	-12.66
θ (180°)	-14.59	-14.55	-16.92	-18.46	-19.3	-23.02	-26.15	-25.21	-20.34	-18.24	-16.49	-15.8	-15.21	-16.19	-17.55	-20.33	-28.14	-28	-24.36	-21.83	-20.53	-19.68	-17.6	-16.89	-14.59
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.47	-17.37	-16.92	-17.56	-19.06	-20.37	-23.62	-27.08	-24.01	-22.49	-20.27	-18.25	-16.89	-15.78	-15.88	-16.61	-17.34	-18.96	-21.7	-24.13	-23.3	-20.42	-20.62	-16.79	-16.47
θ (15°)	-17.86	-16.24	-7.99	[-5.01]	-5.36	-8.09	-14.34	-18.84	-16.92	-13.97	-16.35	-29.74	-23.73	-19.3	-22.79	-21.36	-15.93	-12.57	-11.67	-11.24	-12.91	-15.1	-13.83	-12.86	-17.86
θ (30°)	-18.78	-17.57	-9.76	-7.74	-8.12	-9.85	-9.15	-9.42	-9.93	-14.03	-10.33	-18.39	-18.14	-17.25	-16.73	-14.47	-13.59	-14.64	-15.65	-15.01	-14.17	-13.94	-18.2	-11.95	-18.78
θ (45°)	-15.52	-9.35	-7.72	-9.53	-13.35	-15.08	-14.15	-33.93	-15.21	-11.64	-15.45	-31.32	-20.05	-20.02	-17.92	-20.22	-34.46	-12.31	-10.23	-7.64	-16.41	-16.21	-16.81	-14.98	-15.52
θ (60°)	-16.2	-20.82	-12.56	-25.97	-16.71	-9.72	-17.12	-13.43	-14.9	-14.58	-19.31	-15.33	-17.46	-23.7	-20.46	-13.98	-13.41	-13.54	-16.06	-19.97	-34.8	-29.62	-27.45	-16.9	-16.2
θ (75°)	-15.32	-24.09	-27.71	-9.25	-8.56	-8.33	-9.53	-12.2	-10.97	-27.16	-18.98	-17.39	-14.94	-30.74	-28.58	-15.44	-13.52	-11.37	-12.97	-16.21	-13.62	-17.03	-17.22	-17.31	-15.32
θ (90°)	-19.42	-17.22	-18.51	-13.85	-22.48	-9.81	-15.3	-18	-13.11	-14.93	-15.69	-28.71	-26.28	-25.79	-23.57	-25.17	-22.68	-17.02	-12.02	-19.45	-14.65	-32.1	-23.48	-17.24	-19.42
θ (105°)	-15.1	-28	-12.68	-17.78	-12.83	-16.83	-14.65	-16.04	-22.84	-17.89	-13.53	-16.69	-39.28	-16.54	-17.79	-40.45	-26.77	-27.63	-19.71	-21.08	-24.39	-19.28	-28.17	-17.43	-15.1
θ (120°)	-14.99	-22.35	-12.71	-47.5	-21.19	-9.58	-11.05	-11.94	-11.31	-14.18	-12.67	-27.51	-17.16	-18.36	-14.93	-13.71	-13.33	-17.16	-16.97	-12.4	-15.15	-22.19	-29.43	-21.57	-14.99
θ (135°)	-13.33	-22.3	-17.37	-29.39	-16.43	-31.33	-16.01	-18.17	-19.79	-17.51	-14.58	-16.92	-18.2	-22.3	-22.77	-16.12	-8.26	-8.95	-17.91	-17.78	-12	-40.59	-17.58	-13.69	-13.33
θ (150°)	-18.24	-22.96	-19.7	-27.84	-19.64	-21.76	-10.19	-10.46	-21.6	-18.82	-13.04	-15.79	-23.23	-22.06	-20.66	-13.98	-17.38	-22.86	-13.38	-11.71	-17.43	-23.27	-30.15	-19.15	-18.24
θ (165°)	-20.19	-21.44	-14.05	-10.42	-9.96	-9.36	-10.26	-12.64	-12.39	-10.31	-10.84	-13.81	-17.52	-21.96	-16.76	-15.11	-13.73	-14.93	-16.49	-19.22	-20.31	-18.25	-18.3	-19.05	-20.19
θ (180°)	-24.28	-23.87	-21.22	-24.6	-18.14	-18.21	-16.67	-16.03	-15.88	-16.8	-18.62	-22.24	-30.1	-26.2	-29.74	-25.79	-19.71	-16.49	-15.43	-14.08	-14	-15.88	-19.75	-22.98	-24.28

Ant.	No.2																									
Freq. (MHz)	5470																									
Polarity	Theta																									
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)	
θ (0°)	-17	-16.63	-15.86	-15.52	-14.4	-14.17	-13.18	-12.95	-13.4	-13.14	-13.75	-14.36	-15.1	-15.48	-16.54	-15.73	-14.97	-15.04	-13.76	-13.27	-13.13	-13.7	-14.89	-16.55	-17	
θ (15°)	-5.34	-4.01	-3.3	-3.78	-5.35	-8.27	-10.25	-10.22	-8.69	-7.01	-6.47	-8.63	-11.29	-10.13	-9.83	-12.22	-13.1	-12.25	-11.17	-8.79	-6.86	-5.86	-6.12	-6.26	-5.34	
θ (30°)	-8.58	-4.83	-4.2	-5.85	-5.04	-4.29	-4.51	-3.88	-3.55	-3.91	-1.29	-2.34	-7.51	-4.95	-5.69	-7.51	-4.73	-3.36	-4.44	-6.39	-10.87	-12.85	-9.77	-14.78	-8.58	
θ (45°)	-6.95	-6.99	-2	-1.18	-7.66	-5.99	-3.23	-2.54	-2.71	-0.71	-0.93	-3.39	-4.04	0.03	-2.02	-3.66	-5.03	-9.41	-8.79	-6.76	-5.08	-4.24	-3.77	-4.37	-6.95	
θ (60°)	-3.18	-0.52	-1.02	-4.94	-6.1	-4.32	-0.3	-2.73	-4.99	1.18	0.79	-0.12	-5.37	-0.98	0.69	1.05	-1.79	-2.64	-3.85	-2.72	-2.3	-1.93	-1.25	-1.35	-3.18	
θ (75°)	-3.86	-0.75	0.08	-3.63	-5.16	-2.38	-1.54	-2.93	-2.75	0.66	0.91	-2.06	-2.78	1.28	-0.96	-4.32	-4.27	-2.79	-2.12	-2.48	-3.73	-0.68	0.73	-0.61	-3.86	
θ (90°)	-5.98	0.15	2.49	-1.44	-3.19	-0.78	-0.79	-1.98	-1.88	-0.47	2.62	0.86	-0.5	3.8	0.49	-1.13	-1.59	-0.47	-0.88	-3.18	-3.09	-2.32	2.71	1.81	-5.98	
θ (105°)	-6.38	0.1	-0.13	-1.06	-3.73	-2.27	-5.09	-2.93	-0.19	0.96	[4.02]	0.81	0.98	3.54	1.65	-0.57	-1.06	-0.32	-2	-1.5	-4.14	0.73	2.99	-0.08	-6.38	
θ (120°)	-7.16	-1.66	-1.41	-0.8	-5.47	-9.7	-7.39	-6.23	-3.32	0.3	-0.33	-0.43	-9.35	-1.02	-0.52	-0.41	-5.96	-6.27	-12.73	-8.03	-7.54	-3.68	-0.38	-0.78	-7.16	
θ (135°)	-5.59	-3.55	0.41	-2.92	-7.55	-5.76	-5.37	-3.9	-1.38	-1.78	-1.97	-10.01	-4.6	-1.67	-0.2	-4.06	-3.88	-5.25	-8.46	-3.76	-2.65	-2.1	-2.53	-1.2	-5.59	
θ (150°)	-5.74	-5.65	-7.27	-3.9	-5.92	-7.28	-6	-8.39	-10.87	-9.91	-10.09	-19.81	-16.14	-11.39	-9.78	-8.81	-6.63	-7.15	-8.49	-6.27	-5.73	-4.05	-2.74	-6.08	-5.74	
θ (165°)	-12.59	-15.88	-15.67	-17.59	-24.74	-16.38	-11.03	-9.7	-8.65	-9.28	-12.84	-20.62	-20.23	-14.71	-11.25	-8.21	-6.4	-4.92	-4.42	-4.63	-5.06	-6.06	-8.05	-9.01	-12.59	
θ (180°)	-15.28	-15.74	-17.9	-18.08	-18.34	-20.7	-20.71	-22.87	-22.39	-20.83	-18.55	-17.65	-16.93	-18.92	-19.54	-19.27	-20.41	-20.64	-19.59	-19.38	-19.56	-18.81	-18.2	-16.2	-15.28	
Polarity	Phi																									
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)	
θ (0°)	-14.93	-13.27	-14.42	-14.93	-16.04	-17.15	-16.38	-16.55	-16.39	-16.07	-15.55	-14.67	-13.99	-13.92	-13.99	-13.48	-14.22	-15.83	-16.18	-17.34	-17.88	-18.15	-14.81	-14.35	-14.93	
θ (15°)	-10.64	-14.11	-9.7	-7.22	-9.64	-14.61	-27.17	-16.28	-12	-11.91	-17.97	-25.19	-16.74	-14.62	-12.98	-14.86	-17.18	-20.91	-21.85	-16.09	-13.03	-13.61	-12.23	-10.54	-10.64	
θ (30°)	-14.1	-29.81	-9.97	-6.06	-4.89	-5.98	-7.42	-7.65	-7.9	-9.2	-7.42	-20.26	-13.78	-14.23	-14.58	-18.42	-15.41	-12.48	-11.58	-11.87	-12.11	-13.54	-13.33	-11.75	-14.1	
θ (45°)	-32.17	-10.83	[-4.68]	-4.97	-12.34	-14.76	-18.37	-16.54	-13.31	-6.6	-14.9	-17.59	-16	-45.57	-16.96	-19.56	-17.49	-13.6	-15.65	-9.88	-10.5	-15.36	-13.64	-13.55	-32.17	
θ (60°)	-29.44	-22.61	-12.09	-17.18	-11.68	-8.48	-11.35	-14.01	-11.11	-15.99	-22.88	-18.69	-14.93	-16.09	-20.03	-11.24	-13.31	-11.29	-12.09	-20.39	-32.56	-24.7	-27.33	-18.11	-29.44	
θ (75°)	-14.32	-19.85	-19.05	-7.57	-8.24	-7.93	-8.01	-13.81	-10.27	-15.49	-14.07	-27.07	-14.91	-23.63	-19.8	-15.2	-16.15	-10.46	-7.87	-16.35	-16.35	-19.82	-15.26	-14.59	-14.32	
θ (90°)	-18	-17.02	-19.35	-12.09	-18.87	-13.19	-14.37	-23.51	-15.25	-18.84	-11.23	-23.32	-31.65	-32.59	-25.71	-29.26	-20.9	-14.91	-13.87	-21.48	-16	-21.42	-15.98	-13.13	-18	
θ (105°)	-16.43	-19.45	-11.87	-18.53	-15.26	-17.57	-12.85	-18.46	-16.27	-18.92	-16.29	-14.16	-26.67	-20.67	-15.76	-24.71	-22.5	-27.16	-22.9	-14.96	-32.52	-18.76	-21.32	-18.82	-16.43	
θ (120°)	-15.66	-17.93	-13.49	-22.73	-18.09	-11.45	-13.19	-12.82	-10.21	-14.63	-16.46	-16.59	-13.31	-19.18	-14.89	-19.66	-18.11	-17.34	-17.69	-13.24	-17.75	-16.64	-26.53	-28.87	-15.66	
θ (135°)	-17.13	-21.51	-15.89	-21.83	-13.8	-18.96	-20.3	-18.28	-20.44	-20.85	-15.23	-15.41	-16.6	-23.68	-18.17	-14.71	-10.71	-12.08	-16.44	-21.79	-14.35	-26.15	-20.14	-14.63	-17.13	
θ (150°)	-13.66	-18.92	-16.23	-29.44	-14.3	-35.83	-10.26	-10.5	-26.24	-16.79	-12.8	-17	-18.11	-12.01	-11.83	-19.45	-30.21	-13.46	-9.93	-9	-14.48	-24.36	-22.68	-22.19	-13.66	
θ (165°)	-12.62	-19.25	-15.59	-11.37	-9.94	-10.05	-11.59	-13.49	-12.45	-9.03	-7.83	-9.2	-15.71	-22.16	-16.2	-12.91	-12.25	-12.2	-15.21	-19.7	-20.96	-18.36	-16.85	-15.06	-12.62	
θ (180°)	-26.09	-27.52	-28.89	-29.3	-20.87	-17.27	-18.59	-18.85	-18.63	-16.55	-17.38	-21.27	-20.36	-20.5	-19.4	-26.66	-25.91	-23.7	-17.15	-14.86	-13.68	-13.71	-15.35	-17.6	-26.09	

Ant.	No.2																										
Freq. (MHz)	5725																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-14.55	-13.88	-12.47	-13.51	-15.29	-16.87	-19.71	-19.85	-19.91	-18.55	-16.07	-14.41	-14.39	-14.26	-14.95	-14.76	-16.54	-18.89	-20.21	-22.56	-21.26	-19.23	-16.53	-15.5	-14.55		
θ (15°)	-7.15	-6.12	-7.31	-11.21	-15.24	-19.34	-16.41	-13.92	-13.88	-18.86	-27.65	-25.57	-16.52	-13.99	-12.14	-12.76	-13.82	-15.72	-15.23	-14.33	-12.85	-10.35	-9.15	-8.91	-7.15		
θ (30°)	-5.12	-6.22	-10.42	-8.53	-10.37	-9.03	-7.21	-6.73	-7.15	-7.58	-11.17	-13.12	-8.44	-7.63	-6.6	-8.16	-12.37	-18.56	-10.63	-5.89	-3.99	-4.58	-6.12	-9.78	-5.12		
θ (45°)	-4.96	-4.21	-6.62	-13.86	-6.1	-2.76	-5.32	-6.37	-3.01	-2.23	-0.08	-2.89	-6.19	-4.22	-1.33	-1.5	-3.12	-2.47	-3.13	-2.44	-1.65	-0.95	-0.53	-2.33	-4.96		
θ (60°)	-6.79	-3.65	-4.27	-4.55	-2.89	-1.77	-5.62	-4.39	-2.57	-1.16	-0.71	-2.53	-4.06	-1.68	-1.31	-7.01	-7.21	-5.05	-3.28	-3.97	-3.95	-5.74	-1.61	-3.23	-6.79		
θ (75°)	-5.85	0.41	-0.71	-0.32	-2.79	-1.57	-2.87	-2.73	-1.42	-3.03	0.47	0.57	-1.64	0.87	0.94	-2.36	-1.43	-1.42	-2.68	-4.6	-4.2	-2.89	-0.3	-2.15	-5.85		
θ (90°)	-5.03	0.08	-0.77	-1.58	-1.87	-0.24	-1.9	-0.1	-0.5	-1.77	2.47	1.8	-0.21	1.57	[3.37]	0.25	-0.9	0.62	-0.2	-1.07	-4.18	-3.96	1.37	-0.61	-5.03		
θ (105°)	-7.06	-0.19	-0.38	-4.13	-5.91	-3.94	-0.72	0.52	-2.74	1.88	1.35	1.13	-0.42	1.05	1.59	-1.79	-0.97	-0.33	-1.58	-2.07	-6.87	-0.63	0.85	0.17	-7.06		
θ (120°)	-6.97	0.9	-2.22	-1.46	-7.92	-5.32	-6.64	-8.37	-10.68	-0.8	-1.63	-0.47	-6.36	-2.83	-1.39	-5.15	-9.72	-4.74	-5.37	-10.78	-10.04	-4.08	-2.82	-2.81	-6.97		
θ (135°)	-5.76	-3.35	-0.91	-4.91	-8.67	-5.72	-5.22	-4.46	-2.22	-0.34	-1.65	-5.06	-6.25	-2.71	-0.51	-3.14	-4.08	-5.45	-9.08	-4.11	-1.47	-1.16	-2.38	-1.95	-5.76		
θ (150°)	-8.48	-6.55	-5.72	-3.31	-5.87	-4.23	-5.79	-11.73	-9.57	-8.61	-7.7	-13.44	-24.07	-23.04	-12.05	-8.69	-7.89	-5.66	-6.01	-5.1	-4.34	-4.81	-2.65	-4.18	-8.48		
θ (165°)	-17.6	-12.7	-13.73	-22.92	-20.1	-10.97	-8.34	-7.89	-7.14	-7.8	-10.88	-14	-12.15	-9.97	-8.98	-8.32	-8.11	-7.77	-6	-5.64	-7	-8.71	-8.12	-9.57	-17.6		
θ (180°)	-14.1	-15.44	-16.38	-18.21	-21.52	-23.31	-23.07	-22.13	-19.68	-16.36	-14.85	-14.26	-13.73	-15.41	-15.65	-18.92	-20.47	-25.45	-20.99	-17.54	-15.46	-15.58	-15.2	-14.81	-14.1		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-18.34	-23.26	-18.31	-17.08	-17.41	-13.47	-12.76	-12.36	-13.18	-14.44	-17.15	-19.77	-19.81	-22.2	-18.5	-16.63	-13.36	-15.18	-13.26	-12.79	-13.5	-15.53	-17.27	-16.08	-18.34		
θ (15°)	-15.42	-19.15	-14.52	-11.63	-14.43	-19.02	-47.52	-18.5	-12.08	-11.77	-14.06	-20.85	-25.51	-17.79	-14.87	-12.44	-11.37	-14.76	-21.13	-24.18	-18.5	-17.94	-25.14	-25.66	-15.42		
θ (30°)	-16.92	-11.09	-5.42	[-2.38]	-2.8	-6.01	-12.78	-34.25	-9.64	-4.46	-7.77	-24.42	-26.18	-29.63	-18.21	-9.01	-10.86	-8.02	-4.88	-3.94	-3.65	-6.34	-14.54	-15	-16.92		
θ (45°)	-15.25	-12.85	-8.17	-8.19	-16.46	-22.8	-15.97	-17.88	-9.39	-8.9	-18.71	-14.9	-26.25	-33.24	-21.22	-10.83	-16.44	-10.59	-14.52	-11.86	-8.24	-12.39	-12.61	-19.87	-15.25		
θ (60°)	-25.72	-24.37	-13.3	-21.49	-13.07	-9.51	-13.62	-10.83	-10.66	-15.15	-7.53	-19.08	-17.46	-17.51	-13.38	-14.05	-10.92	-8.14	-8.91	-8.08	-17.47	-23.58	-12.53	-21.4	-25.72		
θ (75°)	-16.58	-14.53	-16.24	-12.98	-9.83	-5.95	-11.5	-7.23	-12.91	-12.69	-9.91	-14.63	-31.85	-14.82	-29.83	-19.88	-18.29	-10.94	-9.2	-11.51	-11.37	-19.41	-13.67	-19.27	-16.58		
θ (90°)	-14.34	-24.09	-12.84	-14.31	-18.18	-13.11	-18.02	-12.52	-12.36	-18.17	-14.13	-31	-20.06	-18.03	-21.31	-14.99	-21.48	-16.73	-15.31	-14.6	-16.28	-14.52	-22.7	-13.48	-14.34		
θ (105°)	-15.37	-25.29	-14.53	-10.83	-19.09	-14.2	-18.54	-36	-12.09	-31.91	-12.64	-13.03	-18.58	-12.69	-13.84	-14.62	-14.52	-24.24	-14.75	-26.99	-22.18	-22.95	-17.64	-14.31	-15.37		
θ (120°)	-21	-20.08	-13.04	-31.29	-18.38	-19.19	-15.28	-13.05	-6.82	-18.72	-9.27	-12.52	-18.38	-20.05	-13.71	-15.16	-11.02	-12.37	-15.42	-17.94	-21.13	-14.37	-19.98	-19.38	-21		
θ (135°)	-20.55	-16.64	-14.18	-33.05	-11.45	-18.2	-19.35	-39.12	-20.94	-14.02	-17.72	-19.5	-14.87	-29.85	-37.43	-13.91	-24.17	-24.44	-12.99	-17.02	-18.98	-17.5	-29.04	-17.68	-20.55		
θ (150°)	-16.34	-16.34	-18.16	-22.83	-30.9	-17.88	-10.07	-13.06	-14.5	-11.16	-17.37	-20.33	-10.98	-11.64	-13.73	-15.81	-11.99	-12.86	-8.13	-8.05	-15.15	-21.62	-17.24	-20.74	-16.34		
θ (165°)	-15.74	-20.3	-12.63	-10.92	-9.48	-10.69	-14.49	-19.66	-15.54	-12.95	-11.17	-11.91	-18.85	-30.76	-25.08	-24.55	-22.52	-28.83	-25.19	-20.51	-17.17	-18.49	-19.03	-15.6	-15.74		
θ (180°)	-23.65	-24.26	-25.36	-20.29	-17.06	-16.91	-16.94	-17.25	-16.66	-17.51	-18.04	-20.04	-25.17	-21.87	-22.19	-25.38	-19.96	-17.69	-16.11	-13.83	-13.77	-13.38	-14.54	-16.46	-23.65		

Ant.	No.2																										
Freq. (MHz)	5850																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-11.36	-11.52	-12.75	-12.91	-15.64	-18.53	-23.77	-40.27	-24	-18.02	-14.88	-12.88	-12.37	-11.85	-12.19	-12.98	-15.1	-19.15	-24.75	-33.47	-20.56	-16.2	-14.43	-13.15	-11.36		
θ (15°)	-11.47	-10.71	-15.59	-23.88	-12.14	-9.23	-7.55	-8.13	-13.33	-19.67	-13.98	-18.85	-24.23	-15.04	-14.8	-15.85	-14.04	-13.31	-14.41	-17.88	-23.57	-23.68	-18.11	-14.82	-11.47		
θ (30°)	-0.75	-1.7	-2.73	-3.5	-4.19	-3.86	-5.02	-8.84	-22.19	-14.09	-18.82	-11.85	-10.28	-6.09	-7.92	-16.16	-12.25	-10.98	-14.1	-7.29	-2.59	-1.72	-0.5	-0.58	-0.75		
θ (45°)	-3.36	-1.23	-4.78	-5.36	-0.61	-1.9	-5.09	-3.74	-3.9	-3.5	-2.39	-4.23	-3.56	-2.4	-3.79	-4.52	-6.42	-4.6	-4.73	-3.39	-1.74	-0.23	-1.66	-1.17	-3.36		
θ (60°)	-5.13	-4.35	-3.95	-0.71	0.49	-0.5	-5.15	-3.67	-1.28	-2.15	-4.34	-3.93	-4.7	-4.81	-5.96	-2.62	-2.76	-3.33	-3.59	-4.29	-3.62	-6.06	-3.87	-4.18	-5.13		
θ (75°)	-2.37	0.59	-0.99	0.18	-0.15	-3.06	-1.84	0.28	-0.46	-0.92	0.49	0.38	1.11	0.62	-0.3	-0.07	-0.43	0.03	-2.67	-3.88	-2.47	-2.61	-1.97	-2.36	-2.37		
θ (90°)	-2.03	-1.43	-2.32	-1.14	-0.58	-1.01	-1.49	1.7	0.48	-0.35	1.88	1.22	1.74	0.78	1.06	-0.07	0.76	0.54	-0.81	1.46	-2.72	-2.95	0.04	-0.94	-2.03		
θ (105°)	-7.85	-0.68	-0.7	-2.08	-4.71	-1.61	0.47	0.79	-0.07	[2.96]	-1.1	-0.62	2.04	0.27	0.63	-1.37	0.77	-0.3	0.51	-0.45	-0.93	-2.4	-2.05	-0.88	-7.85		
θ (120°)	-6.63	0.89	-3.2	-1.05	-9.43	-6.17	-10.95	-10.06	-4.07	-1.55	-4.55	-1.91	-2.56	-2.7	-2.61	-6.76	-11.57	-2.53	-1.72	-5.84	-8.05	-3.63	-3.26	-2.92	-6.63		
θ (135°)	-5.24	-2.04	-1.56	-4.25	-5.07	-3.55	-4.26	-3.24	-2.73	-0.22	-3.55	-4.05	-4.85	-3.48	-0.87	-1.21	-2.09	-3.69	-7.43	-7.72	-0.54	-2.65	-1.01	-3.1	-5.24		
θ (150°)	-12.34	-8.08	-5.42	-3.13	-5.03	-3.42	-5.99	-11.89	-10.36	-6.66	-7.65	-7.17	-12.21	-23.83	-12.52	-10.06	-15.93	-7.5	-4.96	-5.64	-4.97	-5.11	-2.53	-2.94	-12.34		
θ (165°)	-26.26	-10.94	-10.36	-15.29	-36.24	-14.55	-10.34	-9.51	-8.67	-8.84	-10.84	-14.19	-12.36	-9.82	-10.53	-10.26	-10.13	-9.67	-7.7	-6.69	-7.73	-10.83	-11.92	-12.1	-26.26		
θ (180°)	-15.61	-17.22	-19.14	-23.49	-33.41	-32.89	-22.38	-17.72	-15.04	-13.82	-12.8	-12.86	-14.55	-16.18	-23.17	-35.97	-26.1	-20.86	-16.48	-14.06	-13.23	-13.07	-13.94	-13.66	-15.61		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-32.27	-29.85	-22.11	-18.49	-14.6	-14.14	-13.22	-13.23	-13.04	-13.28	-15.41	-18.55	-25.13	-27.08	-22.48	-16.93	-15.83	-13.52	-10.97	-11.06	-11.09	-11.82	-15.46	-22.32	-32.27		
θ (15°)	-20.18	-18.72	-13.64	-11.93	-11.68	-13.68	-16.17	-15.47	-12.77	-13.91	-19.1	-22.25	-32.22	-28.03	-17.92	-13.82	-14.24	-16.83	-25.88	-31.61	-33.18	-25.31	-23.68	-27.74	-20.18		
θ (30°)	-10.94	-10.19	-4.98	-3.7	-3.72	-7.66	-18.5	-17.25	-6.37	-3.2	-10.36	-17.32	-18	-16.09	-12.09	-8.62	-10.96	-11.99	-6.59	-3.43	[-2.06]	-4.6	-11.91	-15.84	-10.94		
θ (45°)	-12.21	-21.51	-12.68	-8.53	-14.06	-19.17	-14.71	-11.81	-8.58	-9.12	-11.99	-12.83	-14.34	-15.35	-14.42	-7.73	-10.05	-6.11	-7.37	-13.14	-12.77	-13.05	-14.46	-22.95	-12.21		
θ (60°)	-14.67	-18.85	-11.93	-11.72	-15.62	-8.48	-7.33	-6.74	-11.05	-12.02	-5.56	-16.07	-15.12	-25.4	-15.19	-13.6	-7.71	-7.16	-5.7	-5.05	-10.11	-13.37	-14.64	-25.04	-14.67		
θ (75°)	-14.1	-11.62	-11.07	-20.67	-8.91	-4.98	-6.9	-6.33	-11.12	-12.1	-8.38	-11.76	-22.53	-15.6	-19.54	-16.57	-18.3	-11.09	-8.07	-7.45	-10.2	-18.87	-11.4	-25.73	-14.1		
θ (90°)	-14.78	-18.43	-11.45	-13.52	-19.98	-14.85	-18.47	-12.03	-15.63	-21.34	-13.59	-24.57	-15.68	-17.37	-16.59	-10.84	-25.55	-19.35	-13.08	-12.55	-14.06	-13.38	-24.52	-25.13	-14.78		
θ (105°)	-16.63	-26.73	-14.63	-8.25	-13.41	-12.86	-17.59	-14.64	-10.97	-22.61	-6.89	-15.82	-16.4	-11.16	-13.25	-10.68	-10.91	-18.82	-11.5	-17.75	-15.9	-23.94	-15.06	-13.61	-16.63		
θ (120°)	-17.87	-16.63	-13.11	-27.78	-16.37	-12.97	-8.68	-5.43	-8.15	-10.12	-8.02	-11.85	-25.35	-18.93	-14.86	-10.34	-5.65	-7.09	-13.34	-9.95	-17.28	-11.61	-18.55	-21.85	-17.87		
θ (135°)	-17.42	-15.85	-12.7	-19.05	-11.77	-14.83	-27.18	-18.37	-17.41	-15.44	-15.85	-15.65	-14.79	-31.74	-27.02	-14.18	-19.51	-15.68	-11.52	-16.06	-17	-20.66	-23.13	-23.25	-17.42		
θ (150°)	-20.91	-15.54	-30.52	-32.02	-25.37	-15.97	-8.79	-12.39	-10.23	-7.62	-15.42	-12.04	-10.04	-8.66	-12.48	-15.24	-13.56	-12.99	-8.17	-6.64	-13.34	-21.76	-16.46	-12.77	-20.91		
θ (165°)	-12.68	-18.71	-13.75	-9.45	-8.35	-8.96	-13.16	-16.1	-14.05	-12.77	-13.31	-15.75	-18.13	-29.64	-23.68	-16.41	-15.55	-17.31	-28.71	-20.97	-15.41	-13.79	-20.84	-23.26	-12.68		
θ (180°)	-17.93	-19.67	-17.58	-15.39	-13.98	-15.64	-16.17	-17.03	-18.38	-19.84	-22.98	-30.82	-21.96	-16.85	-16.6	-16.8	-18.32	-15.88	-13.57	-12.78	-13.4	-14.3	-15.24	-16.96	-17.93		

Ant.	No.3																								
Freq. (MHz)	5150																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.91	-20.73	-17.6	-14.4	-11.92	-10.29	-9.36	-9.09	-9.01	-9.68	-11.38	-12.91	-15.54	-18.7	-18.58	-15.47	-12.45	-10.19	-9.08	-8.4	-8.44	-8.7	-10.4	-12.59	-16.91
θ (15°)	-14.69	-14.76	-10.35	-7.87	-7.1	-7.98	-10.67	-14.85	-20.17	-18.48	-11.97	-8.35	-7.93	-9.21	-12.86	-17.36	-15.38	-13.28	-11.43	-8.81	-6.66	-5.69	-6.1	-8.51	-14.69
θ (30°)	-2.57	-3.99	-3.39	-3.97	-4.36	-3.05	-2.04	-2.5	-4.03	-5.83	-6.28	-5.5	-3.91	-4.56	-5.11	-5.85	-7.03	-7.82	-5.96	-4.94	-5.53	-3.85	-1.52	-1.34	-2.57
θ (45°)	-4.46	-2.39	-2.11	-2.49	-5.03	-2	-0.78	-0.21	-1.06	-3.37	-2.83	-7.58	-5.61	-3.51	-3.13	-2.02	-1.87	-2.92	-5.84	-2.66	0.04	0.31	-1.53	-3.08	-4.46
θ (60°)	-2.02	-1.03	-0.45	-1.55	-1.06	0.09	-1.7	-3.65	-1.18	1.22	0.56	0.54	1	1.74	0.08	-1.29	-4.64	-3.7	-3.15	-3.98	-3.21	0.28	0.42	-0.41	-2.02
θ (75°)	-3	0.14	-0.29	-0.24	-1.06	-3.88	-2.16	1.08	2.55	1.18	0.91	-1.84	0.14	0.03	0.98	0.04	-0.74	-0.91	-0.72	-2.93	-2.34	-0.84	-1.28	-0.78	-3
θ (90°)	-1.98	0.99	0.46	-1.74	-2.59	-2.68	0.48	0.23	-2	-1.54	0.85	0.7	0.23	0.36	-1.3	-2.01	-1.97	-2.24	-1.54	-0.13	-1.7	1.89	0.07	2.01	-1.98
θ (105°)	-4.81	0.39	0.42	0.75	-1.49	-1.53	-3.04	-4.67	-0.89	[2.89]	1.28	1.12	-0.3	1.09	1.57	-0.14	-3.16	-3.74	-4.37	-3.03	-3.02	0.96	-1.95	-0.88	-4.81
θ (120°)	-5.65	-0.04	-3.04	-4.16	-2.87	-6.09	-4.83	-2.62	-1.8	-4.24	-3.05	-0.68	-5.04	-3.14	-1.37	0.69	-3.14	-5.36	-8.87	-7.45	-6.89	-2.47	-2.58	-3.99	-5.65
θ (135°)	-5.13	-2.66	-5.74	-4.71	-6.03	-5.48	-5.17	-6.53	-6.39	-0.74	-2.82	-7.38	-10.79	-3.46	-3.15	-2.17	-3.44	-2.27	-3.73	-5.2	-5.4	-3.66	-1.96	-3.63	-5.13
θ (150°)	-7.92	-7.76	-8.01	-10.01	-16.16	-12.73	-17.99	-36.88	-23.15	-18.95	-15.56	-23.51	-12.56	-13.03	-14.33	-17.38	-31.26	-16.38	-10.57	-8.64	-5.91	-4.44	-5.86	-7.5	-7.92
θ (165°)	-13.25	-12.53	-20.2	-21.93	-15.9	-15.92	-16.72	-15.36	-13.97	-13.27	-14.84	-14.3	-11.09	-9.26	-8.77	-8.84	-10.56	-12.7	-14.11	-17.65	-30.42	-27.61	-23.59	-22.88	-13.25
θ (180°)	-17.41	-18.37	-19.43	-20.46	-23.26	-24.86	-22.17	-19.39	-18.08	-16.87	-18.29	-19.3	-18.02	-18.83	-22.01	-23.78	-26.5	-24.71	-22.96	-22.25	-22.9	-20.78	-22.06	-19.34	-17.41
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.73	-9.01	-9.41	-10.31	-11.88	-13.96	-17.77	-22.11	-20.48	-15.94	-13.32	-11.29	-9.68	-9.36	-9	-9.08	-10.6	-12.71	-14.97	-18.41	-23.66	-18.46	-13.44	-11.6	-9.73
θ (15°)	[-5.86]	-6.08	-7.15	-9.25	-11.86	-17.32	-20.36	-18.17	-17.06	-17.25	-16.05	-14.37	-16.41	-19.11	-20.87	-21.94	-15.29	-11.89	-9.73	-10.4	-13.83	-24.45	-12.28	-8.04	-5.86
θ (30°)	-11.11	-12.17	-13.5	-11.67	-10.01	-10.76	-12.99	-19	-29.08	-28.64	-24.55	-18.9	-15.24	-17.27	-17.77	-13.2	-11.53	-12.82	-13.55	-14.26	-13.19	-14.89	-28.51	-18.25	-11.11
θ (45°)	-18.18	-10.48	-9.51	-8.16	-12.63	-21.7	-15.67	-14.22	-25.02	-37.74	-26.72	-21.6	-16.23	-15.8	-17.94	-16.37	-20.31	-32.46	-30.84	-16.39	-13.48	-14.54	-11.96	-12.79	-18.18
θ (60°)	-27.82	-17.47	-20.85	-12.75	-11.56	-16.86	-13.6	-26.4	-16.97	-12.11	-17.97	-17.58	-21.43	-21.73	-16.86	-18.82	-20.47	-15.34	-15.58	-14.95	-15.6	-17.96	-14.28	-14.33	-27.82
θ (75°)	-15.81	-13.56	-8.75	-8.62	-8.29	-14.93	-16.49	-15.91	-15.2	-13.63	-30.43	-18.76	-23.46	-30.46	-14.9	-17.28	-23.59	-16.81	-14.51	-25.65	-19.35	-19.72	-28.85	-25.32	-15.81
θ (90°)	-12.87	-15.35	-11.22	-16.62	-15.18	-29.16	-25.22	-18.59	-28.69	-22.66	-30.86	-18.78	-31.26	-27.48	-16.4	-21.78	-27.32	-25.17	-16.83	-22.12	-13.52	-21.79	-12.47	-20.93	-12.87
θ (105°)	-22.92	-12.81	-12.95	-12.85	-14.17	-20.86	-18.77	-26.37	-19.77	-13.78	-20.82	-32.39	-22.21	-27.42	-16.43	-22.54	-14.7	-28.12	-17.01	-22.51	-19.57	-19.72	-24.8	-17.27	-22.92
θ (120°)	-14.12	-23.79	-14.85	-16.88	-11.83	-16.37	-11.25	-12.8	-13.25	-12.77	-18.9	-20.02	-18.69	-19.22	-19.09	-20.32	-24.79	-11.04	-13.09	-24.11	-23.52	-22.98	-19.93	-22.85	-14.12
θ (135°)	-25.98	-15.86	-22.94	-17.4	-23.43	-19.82	-24.15	-18.66	-15.65	-16.12	-24.73	-23.56	-13.58	-26.54	-20.78	-43.89	-17.74	-19.39	-25.02	-16.66	-18.45	-15.11	-19.65	-20.52	-25.98
θ (150°)	-21.96	-16.47	-11.56	-12.99	-13.77	-9.36	-9.21	-12.94	-16.11	-16.28	-18.01	-20.78	-17.5	-16.07	-20.26	-18.26	-14.52	-8.9	-10.15	-18.24	-16.35	-24.54	-16.29	-15.53	-21.96
θ (165°)	-23.08	-24.88	-20.92	-18.38	-14.74	-12.77	-13.22	-14.95	-16.4	-17.71	-19.1	-26.46	-14	-8.66	-7.56	-9.84	-16.18	-14.39	-12.93	-13.64	-13.29	-13.8	-19.25	-29.17	-23.08
θ (180°)	-19.94	-17.8	-17.71	-18.9	-18.97	-18.47	-19.46	-23.41	-24.57	-24.81	-30.58	-24.13	-23.41	-19.59	-16.71	-14.64	-13.39	-12.81	-14.26	-17.56	-21.94	-29.87	-22.11	-20.78	-19.94

Ant.	No.3																								
Freq. (MHz)	5250																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-26.69	-27.47	-22.19	-16.44	-13.12	-11.71	-11.15	-11.08	-11.73	-12.42	-14.39	-19.15	-22.95	-30.29	-20.81	-16.99	-13.18	-11.72	-10.65	-10.2	-10.12	-10.97	-13.28	-15.99	-26.69
θ (15°)	-7.11	-9.38	-9.98	-9.33	-9.09	-10.62	-14.18	-20.28	-22.14	-15.17	-9.78	-6.16	-5.33	-6.06	-7.87	-9.64	-9.66	-9.03	-7.61	-5.94	-4.27	-3.19	-3.52	-4.63	-7.11
θ (30°)	-1.33	-1.95	-2.76	-5.58	-3.44	-2.35	-3.09	-6.41	-9.81	-7.58	-4.45	-3.58	-2.62	-3.13	-3.7	-6.16	-8.65	-13.08	-11.98	-7.14	-6.36	-5.15	-2.55	-1.61	-1.33
θ (45°)	-2.7	-2.32	-3.99	-5.24	-5.32	-2.38	-2.2	-1.05	-3.48	-5.26	-2.82	-4.34	-5.53	-4.75	-5.7	-3	-1.5	-1.56	-3.45	-2.46	-0.49	-0.15	-1.15	-3.88	-2.7
θ (60°)	-0.36	-1.16	-4.03	-1.69	-0.26	0.18	0.11	-1.54	1.13	1.76	-1.17	1.11	2.46	1.05	-1.24	-0.2	-1.77	-1.84	-2.54	-3.39	-0.94	-1.74	-2.11	-1.6	-0.36
θ (75°)	-2.47	-1.11	-0.27	0.18	-1.74	-2.52	-0.55	1.63	2.58	0.83	-1.33	-1.69	0.01	-0.92	-1.01	0.2	0.42	0.52	0.47	-2.32	-0.94	-1.89	-2.65	-0.33	-2.47
θ (90°)	-1.66	1.34	-0.24	-1.45	-2.23	-1.68	1.77	1.2	-3.48	0.16	0.27	0.64	1.56	0.74	-2.04	-0.74	-1.16	-0.81	-0.81	0.31	-1.14	1.8	-0.96	2.22	-1.66
θ (105°)	-4.12	-0.1	0.24	0.91	-0.52	-0.95	-1.98	-3.12	-0.47	[2.66]	0.96	2.57	0.69	1.02	1.16	1.29	-2.34	-2.3	-3.8	-1.82	-1.48	0.48	-2.52	0.34	-4.12
θ (120°)	-4.28	1.2	-2.9	-5.46	-2.65	-5.24	-3.74	-2.44	-1.41	-2.61	-4.71	0.87	-4.45	-1.81	-2.75	-0.01	-2.17	-4.6	-7.31	-5.49	-7.7	-2.62	-3.76	-2.25	-4.28
θ (135°)	-5.01	-1.67	-8.42	-4.2	-5.14	-4.72	-4.8	-5.33	-6.11	-1.01	-2.69	-4.22	-11.02	-3.63	-3.09	-3.07	-4.18	-1.12	-2.79	-4.54	-5.43	-4.41	-2.44	-1.71	-5.01
θ (150°)	-5.98	-6.37	-6.77	-9.88	-11.11	-9.07	-14.96	-25.09	-37.18	-22.84	-17.66	-17.64	-11.66	-10.82	-15.62	-17.03	-27.51	-14.92	-10.04	-8.45	-5.2	-5.47	-6.08	-6.27	-5.98
θ (165°)	-11.15	-12.26	-24.74	-14.12	-12.66	-13.37	-13.41	-12.26	-9.76	-9.76	-11.74	-13.69	-12.59	-9.97	-7.62	-6.78	-7.27	-8.34	-9.69	-13.53	-20.02	-30.95	-22.66	-16.96	-11.15
θ (180°)	-15.91	-14.77	-16.06	-18.8	-22.56	-23.42	-21.36	-23.51	-20.18	-19.43	-18.46	-18.27	-17.61	-17.53	-20.11	-21.16	-21.82	-20.45	-21.91	-25.06	-25.46	-24.05	-20.25	-15.07	-15.91
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-10.78	-10.99	-11.18	-12.03	-14.39	-18.98	-25.42	-26.94	-21.88	-16.32	-13.11	-11.97	-11.25	-11.13	-11.28	-11.88	-13.61	-15.25	-20.78	-29.47	-21.57	-15.59	-14.85	-11.89	-10.78
θ (15°)	-5.57	[-5.00]	-5.28	-6.74	-9.01	-13.04	-17.7	-19.45	-20.69	-18.21	-14.83	-15.93	-15.15	-13.47	-14.7	-22.04	-19.3	-12.77	-10.19	-9.32	-11.91	-22	-12.58	-8.09	-5.57
θ (30°)	-10	-9.28	-9.63	-9.62	-8.25	-8.95	-12.02	-22.83	-31.17	-24.72	-18.1	-18.59	-14.17	-14.99	-19.95	-14.24	-9.87	-10.86	-12.32	-13.74	-14.8	-18.3	-43.85	-15.22	-10
θ (45°)	-18.46	-7.07	-6.95	-7.9	-14.02	-21.99	-11.12	-11.54	-29.82	-33.32	-25.88	-19.2	-16.31	-20.75	-25.14	-38.13	-20.38	-43.3	-35.71	-15.51	-13.9	-13.27	-11.54	-14.7	-18.46
θ (60°)	-28.07	-14.11	-18.81	-15.86	-14.13	-13.36	-11.36	-27.62	-16.15	-9.75	-18.04	-16.56	-22.15	-19.07	-15.2	-16.06	-16.35	-13.36	-13.85	-11.13	-14.13	-17.03	-13.36	-13.02	-28.07
θ (75°)	-14.26	-15.76	-9.29	-6.6	-8.12	-10.02	-15.16	-13.83	-10.98	-13.82	-22.37	-22.56	-25.79	-34.44	-20.87	-18.29	-15.63	-16.19	-14.52	-15.85	-24.01	-20.65	-23.05	-16.63	-14.26
θ (90°)	-12.25	-12.36	-10.98	-13.05	-12.26	-17.52	-18.47	-16.9	-19.21	-17.37	-21.81	-19.55	-23.33	-18.66	-17.9	-22.85	-22.75	-24.65	-21.08	-17.4	-14.96	-21.79	-12.62	-19.63	-12.25
θ (105°)	-19.9	-13.33	-13.22	-14.2	-15.71	-19.09	-20.41	-19.94	-21.81	-10.87	-21.27	-19.59	-29.75	-21.47	-13.88	-30.64	-16.23	-21.55	-16.12	-23.67	-16.73	-22.02	-22.12	-16.28	-19.9
θ (120°)	-15.51	-18.23	-13.93	-17.4	-11.58	-13.61	-10	-12.62	-12.2	-10.92	-15.71	-20.31	-18.65	-17.52	-16.4	-23.73	-22.64	-9.42	-9.8	-20.66	-24.55	-24.7	-24.16	-20.69	-15.51
θ (135°)	-22	-12.78	-25.16	-22.34	-41.36	-26.78	-20.57	-18.1	-19.06	-17.07	-27.5	-22.64	-12.23	-15.5	-30.49	-33.92	-18.43	-29.01	-32.31	-15.8	-16.07	-12.56	-19.06	-21.92	-22
θ (150°)	-25.16	-14.92	-11.48	-14.67	-12.91	-9.89	-11.17	-16.65	-16.54	-14.52	-14.7	-18.35	-22.79	-15.01	-19.22	-17.2	-14.62	-10.07	-11.02	-20.57	-18.6	-29.6	-13.99	-14.29	-25.16
θ (165°)	-20.06	-18.01	-15.24	-15.9	-14.86	-13.62	-14.41	-16.05	-17.74	-15.82	-16.61	-30.04	-15.62	-8.22	-6.3	-8.13	-13.5	-14.57	-12.47	-11.71	-11.75	-13.14	-17.79	-39.09	-20.06
θ (180°)	-18.48	-18.49	-18.42	-17.65	-17.46	-16.22	-17.07	-18.05	-21.38	-23.98	-19.9	-22.8	-22.3	-21.66	-17.93	-13.94	-12.48	-12.76	-14.25	-16.96	-22.08	-20.41	-21.93	-19.67	-18.48

Ant.	No.3																								
Freq. (MHz)	5350																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-14.15	-13.34	-12.03	-10.73	-10.52	-10.78	-11.15	-11.95	-13.18	-14.55	-13.96	-14.27	-12.83	-12.37	-12.2	-11.21	-11.09	-10.9	-11.48	-12.69	-13.63	-14.83	-15.48	-15.61	-14.15
θ (15°)	-6.03	-9.51	-12.8	-13.51	-12.05	-10.7	-10.37	-10.8	-11.25	-12.9	-11.59	-7.63	-4.83	-4.32	-5.4	-7.01	-7.15	-6.86	-5.98	-4.93	-3.6	-2.51	-2.52	-3.28	-6.03
θ (30°)	-6.89	-8.82	-6.32	-3.18	-1.38	-2.17	-4.97	-11.28	-7.73	-4.93	-5.97	-6.36	-3.73	-2.67	-2.51	-3.62	-5.09	-7.39	-15.78	-13.83	-6.74	-6.03	-5.14	-4.95	-6.89
θ (45°)	-5.28	-3.78	-1.65	-5.42	-7.4	-6.54	-4.06	-2.66	-4.54	-3.32	-3.11	-3	-5.37	-2.49	-2.27	-4.48	-5.36	-2.93	-3.65	-3.89	-1.91	0.72	-0.81	-5	-5.28
θ (60°)	-2.62	-3.64	-2.66	-2.28	-2.14	-0.06	-0.97	-1.95	0.69	2.79	1.47	-1.6	0.58	0.47	1.4	-1.35	-2.67	-4.7	-4.61	-7.11	-3.96	-2.13	-1.22	-3.44	-2.62
θ (75°)	-3.02	-1.15	0.16	-1.2	-2.34	-3.01	-0.28	1.53	1.37	-1.13	-1.24	-1.9	-2.78	-1	-1.34	-2.92	-0.52	-0.99	0.29	-1.49	-2.18	-1.58	-0.58	-2.14	-3.02
θ (90°)	-1.81	0.58	1.62	-1.75	-2.44	-0.02	1.25	-0.52	-3.12	0.7	2.23	0.6	2.32	1.13	1.46	-1.36	-1.84	-0.19	-1.47	0.25	0.11	-0.1	1.11	1.22	-1.81
θ (105°)	-7.19	-0.76	1.62	1.25	-0.87	-2.21	-3.77	-2.57	0.58	2.74	[3.03]	1.17	1.08	2.73	2.09	-0.05	-2.28	-1.02	-4.42	-2.69	-2.75	-1.76	-1.21	-0.18	-7.19
θ (120°)	-4.47	-0.23	-0.62	-3.33	-3.85	-5.71	-3.86	-3.49	-2.03	-0.92	-2.09	-1.1	-6.77	-1.01	-1.31	-1.72	-4.2	-5.95	-9.15	-7.02	-9.64	-2.37	-0.98	-2.31	-4.47
θ (135°)	-5.04	-2.51	-4.19	-3.5	-5.45	-6.8	-5.57	-4.18	-3.64	0.31	-1.26	-4.06	-7.85	-3.37	-0.63	-1.89	-5.85	-2.46	-4.08	-5.66	-8.57	-3.55	-0.9	-1.61	-5.04
θ (150°)	-8.23	-7.5	-6.87	-8.54	-7.09	-7.14	-13.31	-32.82	-20.9	-24.76	-18.47	-14.82	-11.51	-11.21	-12.37	-13.24	-17.32	-16.61	-9.27	-7.5	-5.98	-5.44	-5.42	-5.54	-8.23
θ (165°)	-13.12	-15.03	-21.29	-12.83	-10.58	-10.79	-10.7	-9.76	-8.56	-9.01	-10.74	-12.56	-11.75	-8.68	-6.53	-5.63	-6.24	-6.9	-8.19	-11.8	-17.71	-33.77	-23.31	-20.55	-13.12
θ (180°)	-12.85	-12.84	-14.25	-16.21	-17.43	-18.44	-18.52	-17.88	-18.25	-17.57	-16.33	-15.61	-15.74	-15.45	-15.75	-17.49	-18.64	-19.25	-19.91	-20.62	-22.01	-21.63	-16.59	-14.63	-12.85
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-10.97	-11.29	-11.93	-12.05	-13.21	-13.13	-12.37	-11.27	-10.98	-10.47	-10.92	-11.08	-11.01	-12.04	-12.6	-13.56	-14.01	-13.1	-13.27	-12.72	-12.21	-11.67	-10.75	-10.34	-10.97
θ (15°)	-4.55	[-4.35]	-5.68	-8.34	-13.36	-22.54	-22.39	-17.21	-15.74	-14.94	-14.62	-16.06	-17.05	-11.79	-10.44	-14.01	-25.9	-24.66	-14.78	-12.06	-13.11	-20.12	-12.91	-8.02	-4.55
θ (30°)	-7.16	-6.13	-6.93	-6.55	-5.02	-5.84	-10.75	-32.44	-19.62	-20.6	-16.14	-16.63	-21.97	-15.36	-21.47	-16.71	-8.66	-9.55	-12.61	-14.28	-15.11	-20.33	-22.38	-15.24	-7.16
θ (45°)	-15.18	-5.06	-5.13	-7.01	-12.13	-20.12	-9.93	-9.89	-27.62	-35.55	-17.39	-23.8	-16.48	-18.74	-23.66	-19.34	-28.39	-26.93	-21.17	-19.68	-14.15	-12.96	-15.14	-18.4	-15.18
θ (60°)	-36	-13.4	-18.86	-14.16	-12.94	-12.71	-14.22	-31.76	-14.16	-7.77	-14.15	-22.25	-18.87	-21.77	-12.98	-12.4	-15.59	-11.81	-12.04	-10.55	-14.02	-17.11	-12.23	-15.84	-36
θ (75°)	-19.28	-15.28	-8.43	-5.25	-6.33	-10.31	-15.49	-15.17	-10.5	-14.33	-26.49	-28.26	-27.03	-36.83	-18.54	-20.39	-13.26	-14.53	-11.77	-11.49	-32.6	-13.39	-18.33	-15.87	-19.28
θ (90°)	-13.7	-12.81	-11.88	-9.62	-9.22	-17.89	-16.65	-17.2	-16.76	-14.95	-15.69	-18.21	-21.47	-20.28	-16.82	-21.44	-24.49	-20.1	-36.98	-16.22	-16.04	-23.19	-11.48	-16.48	-13.7
θ (105°)	-16.44	-13.68	-11.16	-10.98	-16.42	-22.29	-21.26	-17.63	-22.6	-9.54	-19.55	-23.83	-24.6	-19.98	-13.28	-24.68	-17.96	-19.77	-18.21	-18.33	-13.36	-13.31	-19.41	-16.18	-16.44
θ (120°)	-15.54	-19.56	-12.22	-15.81	-9.3	-13.86	-8.56	-12.17	-10.59	-10.05	-16.58	-18.23	-15.24	-20.58	-13.6	-16.57	-20.85	-9.34	-8.02	-17.31	-21.78	-21.93	-24.65	-20	-15.54
θ (135°)	-21.27	-11.26	-23.94	-24.24	-23.46	-18.82	-15.32	-14.51	-19.74	-16.21	-24.78	-18.66	-11.24	-18.54	-30.56	-25.27	-17.05	-26.14	-25.08	-13.96	-18.18	-10.53	-17.54	-21.71	-21.27
θ (150°)	-29.6	-16.85	-13.28	-15.07	-13.36	-9.98	-11	-14.65	-14.04	-13.94	-16.13	-15.34	-22.82	-18.12	-23	-15.86	-13.59	-9.74	-10.74	-18.67	-18.72	-25.72	-13.1	-13.32	-29.6
θ (165°)	-15.12	-13.69	-13.59	-13.37	-14.04	-14.71	-16.53	-20.7	-24.12	-22.13	-20.86	-24.04	-14.05	-8.14	-6.25	-8.11	-13.84	-14.76	-12.71	-12.18	-10.79	-10.5	-16.57	-44.2	-15.12
θ (180°)	-15.45	-15.34	-15.22	-15.69	-15.43	-14.88	-15.1	-16.58	-16.99	-17.48	-22.37	-18.26	-19.49	-17.31	-13.74	-12.39	-11.69	-11.64	-13.81	-17.57	-22.2	-22.93	-16.71	-16.45	-15.45

Ant.	No.3																												
Freq. (MHz)	5470																												
Polarity	Theta																												
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)				
θ (0°)	-6.78	-6.51	-6.5	-7.06	-7.78	-8.76	-9.71	-10.15	-9.89	-8.96	-7.94	-7.32	-6.8	-6.31	-6.83	-7.28	-8.21	-9.56	-10.75	-11.39	-11.21	-10.06	-8.84	-7.28	-6.78				
θ (15°)	-4.82	-8.48	-17.05	-13.14	-7.8	-5.17	-4.17	-3.82	-4.12	-5.3	-8.41	-9.2	-6.56	-5.04	-5.62	-7.56	-8.01	-7.48	-6.85	-6.23	-4.48	-2.63	-2.08	-2.3	-4.82				
θ (30°)	-15.97	-11.28	-5.83	-4.79	-5.03	-7.32	-16.84	-11.39	-6.57	-4.31	-2.94	-6.17	-6.94	-3.44	-4.08	-4.48	-4.73	-4.74	-6.45	-16.26	-17.52	-14.31	-17.44	-17.77	-15.97				
θ (45°)	-2.36	-2.73	-4.73	-10.17	-5.28	-4.56	-4.08	-3.95	-4.45	-2.44	-0.35	0.61	-1.27	0.04	-0.67	-3.91	-7.96	-4.77	-1.38	-2.2	-3.18	-2.37	-2.56	-4.76	-2.36				
θ (60°)	-5.59	-4.03	-2.37	-2.43	-2.07	-2.54	-3.54	-3	-0.7	1.35	-1.2	-2.25	-7.44	-2.77	-1.07	0.23	-0.51	-1.78	-3.09	-5.66	-5.56	-3.14	-3.33	-5.28	-5.59				
θ (75°)	-2	0.34	-0.57	-2.45	-4	-0.67	2.1	0.76	-3.35	-2.6	-1.14	1.57	-2.12	-0.34	-0.83	-1.46	-3.05	-1.45	-1.22	-0.23	-0.79	-0.03	-1.07	-2.41	-2				
θ (90°)	-1.37	1.51	0.77	-1.94	-2.12	1.51	1.55	-1.59	-3.55	0.63	2.2	[3.48]	1.37	2.61	3.3	2.05	-2.9	-1.72	-2.33	-0.82	-0.3	0.32	0.84	-0.22	-1.37				
θ (105°)	-3.05	-1	0.23	1.36	-0.51	-0.87	-4.13	0.79	0.86	1.35	2.43	2.18	-0.42	2.22	2.88	1.78	-1.84	-0.46	-5.11	-2.76	-1.73	-0.45	-2.66	-3.13	-3.05				
θ (120°)	-3.67	0.51	-1.41	-4.79	-5.48	-6.45	-4.74	-3.7	-2.92	-3.19	-4.9	-0.92	-11.09	-2.15	-3.02	-1.25	-3.57	-5.02	-9.12	-6.83	-7.45	-1.52	-0.95	-1.78	-3.67				
θ (135°)	-4.26	-0.81	-3.92	-3.07	-5.62	-7.15	-6.07	-3.42	-2.77	0.36	-1.8	-2.02	-5.79	-2.41	-0.77	-0.6	-4.53	-1.39	-2.54	-4.1	-6.86	-4.79	-1.67	-1	-4.26				
θ (150°)	-9.66	-7.29	-6.86	-7.77	-5.98	-6.07	-11.17	-21.76	-23.69	-20.97	-18.61	-15.79	-12.38	-11	-11.77	-12.87	-15.11	-18.84	-8.73	-7.37	-6.21	-5.32	-5.69	-9.52	-9.66				
θ (165°)	-14.5	-14.93	-30.34	-13.92	-10.28	-8.44	-7.59	-7.35	-6.76	-6.17	-7.98	-10.77	-11.05	-8.63	-5.98	-4.53	-5.09	-6.28	-7.77	-12.03	-20.94	-31.53	-24.17	-20.85	-14.5				
θ (180°)	-9.35	-9.57	-11.75	-14.72	-17.68	-19.88	-19.9	-16.73	-14.87	-12.77	-11.35	-11.31	-11.05	-11.58	-12.54	-14.75	-17.94	-22.31	-24.31	-21.96	-17.23	-13.37	-10.75	-9.4	-9.35				
Polarity	Phi																												
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)				
θ (0°)	-8.91	-8.97	-9.21	-8.86	-7.56	-6.45	-6.03	-6.32	-6.27	-6.61	-7.83	-8.35	-10.35	-10.12	-9.18	-8.54	-7.38	-7.04	-6.37	-6.17	-6.24	-6.37	-7.39	-8.6	-8.91				
θ (15°)	-4.88	-4.63	-6.38	-9.74	-13.15	-16.76	-14.82	-11.26	-10.34	-10.37	-10.65	-14.4	-21.12	-10.23	-6.73	-8.11	-11.17	-13.68	-16.27	-18.4	-19.45	-27.91	-12.44	-7.92	-4.88				
θ (30°)	-5.07	-3.83	-3.75	-3.6	[-2.99]	-4.69	-10.52	-23.68	-11.16	-10.65	-11.21	-15.01	-36.5	-13.34	-12.11	-22.55	-10.23	-10.4	-13.16	-11.53	-9.46	-11.02	-15.8	-11.28	-5.07				
θ (45°)	-12.43	-4.65	-6.11	-7.61	-12	-30.59	-9.25	-9.23	-21.18	-18.72	-16.78	-22.25	-22.06	-18.51	-21.25	-12.34	-24.2	-15.28	-13.96	-16.66	-10.69	-12.54	-16.12	-20.12	-12.43				
θ (60°)	-19.39	-13.31	-18.04	-9.57	-11.34	-12.46	-13.57	-23.19	-12.7	-7.22	-7.96	-23.03	-23.54	-16.81	-10.63	-12.2	-11.12	-14.75	-13.26	-9.4	-13.07	-13.99	-12.61	-17.87	-19.39				
θ (75°)	-15.63	-13.74	-7.26	-4.99	-6.32	-10.5	-19.12	-14.25	-11.09	-20.4	-16.68	-21.91	-24.41	-24.55	-19.04	-21.53	-12.5	-13.83	-13.26	-11.07	-15.37	-9.1	-13.94	-12.93	-15.63				
θ (90°)	-15.52	-11.48	-11.61	-11.29	-7.45	-16.35	-16.41	-16.39	-15.26	-15.98	-11.37	-19.47	-23.07	-19	-16.43	-24.54	-24.24	-17.6	-22.64	-16.01	-13.46	-15.33	-14.91	-12.36	-15.52				
θ (105°)	-15.23	-16.5	-12.02	-10.78	-14.13	-32.07	-20.16	-19.42	-19.32	-10.13	-14.43	-32.42	-21.62	-32.35	-12.71	-26.91	-15.01	-18.53	-15.54	-16	-11.01	-11.22	-17.71	-17.96	-15.23				
θ (120°)	-14.98	-18.9	-13.43	-16.23	-9.11	-11.81	-9.61	-12.9	-10.36	-12.06	-15.08	-16.56	-20.25	-16.67	-14.28	-13.03	-18.63	-11.49	-6.4	-13.23	-24.95	-21.78	-25.03	-22.94	-14.98				
θ (135°)	-19.28	-12.1	-21.31	-22.44	-19.82	-19.81	-11.59	-11.81	-27.15	-16.92	-21.29	-14.07	-15.78	-18.5	-28.22	-33.07	-19.77	-21.94	-20.3	-12.89	-16.53	-10.42	-18.87	-21.25	-19.28				
θ (150°)	-43.04	-22.35	-15	-13.81	-14.68	-10.89	-12.65	-15.36	-14.71	-15.69	-16.44	-18.67	-26.49	-25.58	-23.22	-16.39	-13	-9.95	-12.74	-19.89	-17.81	-43.77	-12.47	-12.45	-43.04				
θ (165°)	-14.03	-12.21	-10.86	-12.15	-13.36	-13.72	-15.86	-21.22	-25.27	-28.16	-29.05	-24.1	-15.99	-9.22	-7.25	-8.55	-14.03	-18.22	-15.17	-12.98	-11.2	-11.67	-16.82	-31.46	-14.03				
θ (180°)	-16.53	-16.6	-14.1	-10.96	-10.36	-10.91	-11.18	-10.5	-12.34	-17.95	-18.78	-20.55	-19.44	-15.15	-13.17	-10.42	-8.92	-8.99	-10.4	-13.99	-16.24	-17.56	-18.05	-19.62	-16.53				

Ant.	No.3																								
Freq. (MHz)	5725																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.5	-10.91	-12.69	-14.15	-13.99	-12.06	-10.45	-8.99	-7.61	-7.52	-7.69	-8.26	-9.15	-10.17	-12.12	-13.97	-14.11	-12.11	-10.29	-8.85	-7.98	-7.61	-7.49	-7.72	-9.5
θ (15°)	-10.64	-10.49	-6.92	-4.56	-3.87	-4.06	-5.1	-6.53	-7.64	-9.44	-12.62	-21.54	-13.27	-12.06	-16.3	-26.69	-26.75	-22.27	-17.1	-13.76	-12.28	-10.18	-8.59	-7.8	-10.64
θ (30°)	-8.5	-8.77	-8.77	-6.84	-7.79	-6.05	-3.31	-2.39	-3.16	-5.35	-7.36	-8.22	-19.56	-22.44	-10.48	-7.18	-6.59	-3.53	-1.5	-1.25	-3.44	-6.91	-10.53	-11.14	-8.5
θ (45°)	-4.71	-4.5	-3.95	-1.84	-1.42	-2.49	-4.67	-6.71	-2.77	-0.2	-0.36	-1.97	-2.84	-1.38	-0.56	-1.25	-1.83	-6.25	-5.52	-4.81	-6	-7.54	-6.37	-8.16	-4.71
θ (60°)	-2.96	-2.66	-2.16	-1.78	-1.2	-3.01	-0.02	0.09	-1.72	-4.51	-2	-3.42	-2.2	-2.34	-3.31	-1.55	-2.56	-2.02	-2.83	-1.47	-3.23	-4.05	-5.15	-6.15	-2.96
θ (75°)	-0.92	-0.11	0.76	-4.08	-1.45	0.75	1.94	-2.19	-4.82	0.26	[3.51]	1.99	0.69	3.05	-0.13	-0.6	-3.75	-3.37	-2.64	-2.81	-1.16	-0.7	1.27	-1.58	-0.92
θ (90°)	-1.3	-1.06	0.26	-2.05	-0.13	1.85	-0.15	-0.58	0.85	0.46	2.7	2.27	-0.05	2.77	2.6	0.92	-0.85	-2.04	-0.76	-2.34	-1.91	-1.36	0.04	-2.54	-1.3
θ (105°)	-1.46	-0.51	0.62	-1.59	-1.19	-1.33	0.2	0.98	-0.61	-2.07	1.87	-1.3	-2.81	1.85	1.17	1.3	-1.77	-1.64	-4.3	-6.82	-4.42	-1.61	-0.48	-1.76	-1.46
θ (120°)	-5.81	-0.28	-0.68	-9.06	-12.33	-7.06	-5.82	-8.15	-10.88	-5.59	-2.06	-0.98	-10.11	-3.86	-1.44	-0.68	-3.64	-5.04	-11.53	-7.67	-4.59	-1.89	-0.61	-1.86	-5.81
θ (135°)	-3.66	-1.17	-2.93	-4.81	-5.31	-7.45	-4.38	-3.08	-3.01	-0.63	-0.88	-3.81	-5.66	-2.91	1.02	-0.19	-2.89	-2.84	-2.54	-4.45	-6.69	-4.23	-0.8	-2.51	-3.66
θ (150°)	-7.84	-5.88	-7.21	-9.29	-8.12	-9.33	-15.57	-27.7	-23	-26.71	-18.8	-17.2	-18.62	-16.36	-14.08	-10.18	-10.87	-15.69	-7.73	-6.4	-6.9	-6	-7.57	-9.47	-7.84
θ (165°)	-16.67	-19.69	-26.13	-15.25	-11.23	-8.98	-8.59	-9	-9.24	-9.55	-10.42	-13.28	-14.4	-11.34	-8.51	-6.98	-7.1	-8.37	-9.97	-13.28	-20.32	-26.86	-23.1	-32.38	-16.67
θ (180°)	-9.12	-10.27	-12.56	-15.2	-19.85	-22.07	-17.96	-14.92	-12.61	-11.24	-10.41	-10.54	-10.06	-11.5	-12.47	-14.91	-19.55	-22.77	-20.67	-18.93	-15.09	-11.67	-10.2	-9.3	-9.12
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.94	-8.85	-8.3	-7.35	-7.15	-7.69	-8.97	-10.51	-13.17	-13.43	-13.99	-11.46	-10.07	-8.39	-7.17	-7.59	-7.77	-8.1	-8.74	-11.57	-13.53	-11.9	-11.85	-12.37	-8.94
θ (15°)	-5.99	-6.04	-9.02	-10.83	-10.24	-9.34	-9.45	-8.92	-8.79	-8.82	-11.73	-14.56	-24.14	-18.28	-13.05	-11	-10.3	-10.72	-10.11	-11.16	-17.59	-18.4	-11.3	-7.89	-5.99
θ (30°)	-5.56	[-3.87]	-4.29	-4.34	-4.99	-10.95	-21.1	-19.1	-18.75	-10.37	-9.08	-12.21	-17.3	-16.07	-11.12	-10.85	-14	-15.42	-13.86	-18.12	-16.26	-14.06	-14.34	-10.8	-5.56
θ (45°)	-19.61	-8.21	-8.39	-12.56	-27.13	-16.07	-10.11	-14.57	-20.71	-17.61	-13.24	-16.6	-18.43	-16.36	-14.92	-14.05	-21.88	-26.95	-19.81	-14.57	-17.87	-16.61	-15.07	-16.33	-19.61
θ (60°)	-11.33	-10.7	-9.81	-9.09	-8.96	-15.3	-29.19	-14.46	-11.39	-12.66	-13.12	-22.84	-28.02	-21.68	-14.42	-25.68	-12.08	-12.78	-13.57	-7.66	-12.3	-15.87	-12.48	-15.68	-11.33
θ (75°)	-12.86	-11.3	-8.8	-5.93	-10.37	-16.4	-14.75	-11.1	-14.36	-15.99	-18.87	-14.57	-16.99	-18.25	-14.63	-29.63	-15.02	-18.39	-14.8	-17.37	-15.33	-7.58	-11.6	-12.37	-12.86
θ (90°)	-20.9	-11.6	-16.61	-17.39	-10.69	-17.53	-25.16	-14.3	-18.49	-15.21	-11.4	-17.41	-18.73	-18.42	-14.5	-21.63	-20.81	-17.65	-27.52	-11.85	-11.55	-15.04	-17.68	-11.97	-20.9
θ (105°)	-13.43	-21.9	-15.77	-10.43	-14.79	-19.12	-20.11	-24.45	-23.91	-10.78	-23.75	-21.68	-21.04	-20.81	-19.01	-15.17	-17.3	-12.33	-19.96	-11.64	-10.49	-10.25	-16.84	-19.16	-13.43
θ (120°)	-16.08	-25.18	-15.47	-22.29	-12.58	-12.98	-13.59	-15.68	-13.34	-12.93	-19.54	-15.94	-36.55	-26.44	-28.54	-18.04	-16.15	-14.68	-8.45	-10.82	-28.8	-18.52	-25.34	-28.3	-16.08
θ (135°)	-20.01	-12.88	-20.63	-27.76	-19.94	-21.84	-16.26	-17.51	-23.82	-19.36	-20.23	-14.9	-29.95	-16.19	-27.75	-23.53	-26.69	-22.03	-22.36	-17.53	-18.52	-11.89	-20.76	-21.77	-20.01
θ (150°)	-21.37	-22.97	-15.59	-22.43	-17.08	-14.8	-20.51	-26.53	-22.05	-17.86	-19.71	-25.7	-24.28	-23.74	-17.72	-22.44	-20.71	-11.83	-11.87	-18.3	-13.66	-25.21	-16.02	-14.04	-21.37
θ (165°)	-15.34	-13.79	-11.49	-12.09	-13.26	-15.64	-20.21	-22.94	-23.55	-20.78	-30.48	-33.14	-18.9	-12.55	-9.07	-9.76	-15.17	-28.94	-16.52	-14.32	-12.25	-12.77	-20.94	-24.41	-15.34
θ (180°)	-18.94	-16.27	-12.37	-10.77	-11.04	-11.15	-11.41	-12.79	-12.02	-15.31	-19.96	-21.89	-19.76	-15.76	-11.25	-9.77	-8.91	-8.99	-10.53	-12.75	-14.92	-18.3	-18.49	-22.39	-18.94

Ant.	No.3																										
Freq. (MHz)	5850																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-10.12	-10.84	-12.69	-14.47	-14.95	-15.53	-14.92	-13.62	-12.69	-12.3	-11.18	-11.07	-11.12	-12.43	-12.86	-13.88	-15.2	-16.35	-14.91	-13.29	-12.03	-11.34	-9.98	-10.32	-10.12		
θ (15°)	-15.67	-8.82	-5	-4.31	-4.6	-5.73	-7.91	-12.3	-17.08	-18.51	-19.14	-10.97	-6.33	-5.61	-7.26	-12.29	-17.18	-18.51	-28.07	-23.89	-20.6	-18.84	-15.65	-18.42	-15.67		
θ (30°)	-4.62	-8.32	-8.59	-7.7	-6.28	-2.7	-1.08	-1.3	-2.64	-4.59	-11.55	-14.26	-8.69	-9.75	-10.17	-8.37	-12.22	-7.39	-2.76	-0.85	-0.54	-2.13	-2.35	-2.43	-4.62		
θ (45°)	-5.7	-3.41	-1.3	-0.26	-1.08	-2.84	-4.88	-3.3	-2.45	-1.54	-2.72	-5.49	-5.11	-5.69	-1.92	-2.96	-2.53	-5.54	-9.78	-10.16	-8.33	-7.43	-5.15	-4.64	-5.7		
θ (60°)	-1.83	-1.52	-0.71	-2.55	-0.59	-2.26	0.58	-0.78	-1.89	-6.93	-1.29	-1.03	-0.84	-0.45	-2.85	-3.55	-3.32	-3.78	-2.9	-0.84	-4.09	-4.41	-3.5	-6.25	-1.83		
θ (75°)	0.47	0.16	-1.9	-1.32	-0.16	1.5	0.17	-2.48	0.25	-0.25	[2.69]	1.43	0.56	2.34	-0.38	-1.8	-3.18	-2.14	-2.77	-2.86	-1.15	-1.75	0.62	-2.46	0.47		
θ (90°)	-1.33	-1.75	-1.33	-0.23	1.42	0.47	-2.84	-0.7	1.69	1.6	1.74	0.01	0.24	1.94	1.38	0.28	0.2	-2.58	-0.27	-1.42	-0.78	-2.8	-0.58	-2.79	-1.33		
θ (105°)	-1.92	0.08	0.02	-1.49	-2.19	-2.94	-0.03	1.66	0.27	-1.51	2.02	-3.68	-0.22	0.67	0.79	0.86	-0.06	-1.1	-1.83	-7.11	-4.37	-3.02	-0.7	-1.02	-1.92		
θ (120°)	-5.97	-1.6	-0.96	-10.93	-19.7	-5.77	-5.72	-6.64	-16.1	-4.16	0.32	-2.46	-7.44	-3.31	-0.9	-2.23	-4.07	-3.52	-7.33	-8.44	-4.68	-3.41	-0.35	-1.35	-5.97		
θ (135°)	-3.63	-1.9	-1.95	-3.94	-4.77	-4.35	-2.29	-2.05	-2.11	-1.46	-0.63	-4.36	-4.4	-2.99	1.37	-0.61	-3.96	-3.64	-3.65	-4.58	-10.31	-4.05	-1.7	-1.79	-3.63		
θ (150°)	-8.97	-6.67	-7.27	-7.95	-7.17	-9.04	-13.22	-24.91	-20.58	-17.09	-14.17	-14.4	-15.63	-15.95	-17.81	-10.07	-8.56	-11.03	-9.72	-5.97	-7.39	-5.73	-6.04	-7.53	-8.97		
θ (165°)	-18.91	-35.12	-16.62	-11.92	-8.78	-7.83	-7.71	-7.78	-8.76	-10.17	-11.53	-14.93	-17.1	-14.58	-10.32	-7.45	-6.84	-6.84	-7.03	-8.93	-12.85	-17.22	-25.95	-31.44	-18.91		
θ (180°)	-9.02	-10.29	-12.87	-16.05	-19.08	-19.61	-15.99	-14.18	-11.24	-10.35	-9.63	-9.43	-10.32	-11.31	-13.66	-16.6	-20.81	-22.69	-19.47	-15.45	-13.02	-10.79	-9.58	-8.71	-9.02		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-13.73	-12.84	-11.36	-10.8	-10.7	-11.47	-11.66	-12.61	-13.72	-14.87	-15.5	-15.52	-16.01	-13.85	-12.84	-10.12	-9.17	-9.18	-9.73	-9.92	-11.4	-13.65	-14.89	-14.29	-13.73		
θ (15°)	-5.65	-6.03	-7.37	-8.11	-8.06	-8.7	-10.1	-11.18	-10.04	-9.88	-10.2	-12.89	-16.29	-15.29	-13.55	-12.21	-10.95	-11.32	-11.88	-12.99	-15.43	-16.73	-11.44	-8.31	-5.65		
θ (30°)	-4.89	-4.61	-5.24	-6.05	-9.4	-18.76	-10.37	-10.89	-15.2	-11.61	-8.52	-10.29	-10.91	-20.71	-10.68	-8.05	-10.79	-20.71	-10.83	-9.93	-16.82	-23.95	-14.26	-8.21	-4.89		
θ (45°)	-19.44	-9.37	-8.47	-13.5	-15.4	-12.87	-14.14	-14.85	-18.01	-13.07	-9.25	-16.86	-13.78	-16.34	-23.86	-12.68	-12.1	-16.71	-20.08	-16.51	-13.21	-15.93	-18.64	-14.72	-19.44		
θ (60°)	-12.86	-9.11	-7.44	-6.9	-7.03	-13.92	-18.69	-13.74	-9.01	-22.61	-13.62	-16.84	-22.08	-23.92	-9.84	-16.92	-15.9	-9.24	-11.53	-8.3	-10.93	-12.38	-11.13	-12.34	-12.86		
θ (75°)	-11.67	-10.21	-5.83	[-4.55]	-9.98	-16.96	-14.04	-11.27	-16.75	-14.5	-10.83	-16.1	-20.57	-22.65	-14.07	-21.4	-15.3	-12.84	-13.94	-14.18	-14.24	-5.61	-12.72	-11.29	-11.67		
θ (90°)	-28.15	-12.59	-13.16	-15.14	-10.02	-25.91	-27.96	-22.26	-23.04	-14.6	-11.2	-21.78	-17.66	-20.35	-16.44	-16.68	-15.08	-15.9	-22.26	-11.63	-10.24	-13.31	-14.25	-10.09	-28.15		
θ (105°)	-16.97	-27.95	-13.38	-8.53	-12.48	-16.52	-15.23	-25.54	-20.37	-13.25	-20.57	-17.13	-17.36	-19.13	-24.73	-12.55	-16.5	-11.29	-19.03	-10.42	-10.34	-9.13	-18.14	-24.56	-16.97		
θ (120°)	-22.85	-25.55	-18.91	-16.84	-13.64	-11.99	-11.65	-15.62	-13.9	-17.07	-15.67	-11.45	-30.57	-21.09	-33.55	-21.65	-13.62	-13.82	-9.18	-9.21	-26.09	-15.08	-29.63	-25.35	-22.85		
θ (135°)	-24.45	-10.97	-22.67	-20.51	-29.48	-17.89	-18.74	-19.22	-19.97	-19.82	-17.74	-14.1	-25.97	-16.31	-16.8	-17.47	-32.33	-17.8	-22.23	-16.05	-21.44	-11.41	-17.51	-29.08	-24.45		
θ (150°)	-19.4	-22.36	-18.29	-28.86	-15.35	-15.86	-16.44	-13.79	-16.92	-17.47	-23.27	-19.32	-26.6	-19.53	-13.95	-16.38	-16.76	-9.02	-9.66	-29.5	-15.01	-23.69	-19.97	-15.63	-19.4		
θ (165°)	-12.45	-10.09	-10.73	-11.03	-11.8	-14.29	-18.03	-22.79	-23.12	-44.78	-22.38	-20.28	-16.32	-13.11	-9.45	-9.96	-14.17	-21.42	-16.14	-13.88	-13.39	-12.31	-20.45	-22.88	-12.45		
θ (180°)	-14.85	-13.31	-11.35	-10.38	-10.08	-10.31	-10.56	-11.93	-13.29	-16.02	-20.55	-21.69	-18.73	-13.44	-11.42	-8.36	-7.01	-7.19	-8.79	-11.65	-16.78	-22.31	-25.36	-21.19	-14.85		

Ant.	No.4																								
Freq. (MHz)	5150																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.5	-13.28	-11.43	-9.81	-8.86	-8.82	-9.79	-10.17	-12.07	-14.8	-18.98	-22.35	-18.11	-14.19	-12.1	-10.73	-9.98	-9.84	-9.36	-11.06	-12.42	-16.16	-18.21	-20.99	-16.5
θ (15°)	-8.11	-8.07	-7.94	-7.42	-6.04	-4.82	-4.31	-5.4	-7.47	-14.44	-14.39	-10.16	-11.43	-13.17	-14.13	-13.23	-14.73	-15.59	-22.21	-31.22	-14.44	-10.71	-7.68	-7.08	-8.11
θ (30°)	-3.81	-5.36	-3.43	-4.73	-4.16	-5.28	-6.34	-6.75	-8.8	-3.82	-9.21	-3.4	-3.14	-6.04	-4.25	-4.89	-3.85	-4.32	-3.96	-3.44	-4.62	-7.8	-11.01	-10.6	-3.81
θ (45°)	-4.61	-7.36	-5.92	-2.33	-2.31	-1.86	-2.05	-2.8	-1.9	-0.93	-3.06	-2	-8.09	-4.64	-4.68	-4.06	-3.1	-12.88	-18.09	-30.9	-5.51	-2.7	-2.62	-2.16	-4.61
θ (60°)	-1.33	1.31	0.9	-0.81	-3.09	-0.47	0.48	-0.13	-1.6	0.35	-2.12	-2.42	-1.39	-0.18	-1.05	-2.62	0.2	-0.54	-3.25	-2.08	-1.97	-2.55	-1.68	-2.09	-1.33
θ (75°)	1.77	-0.04	-1.18	1.06	0.42	-0.01	-0.58	0.97	0.02	0.85	0.57	0.81	-1.64	-0.61	-0.83	-2.83	-1.61	-2.42	-0.72	0.61	-1.24	-0.98	-0.99	1.18	1.77
θ (90°)	1.3	-0.16	0.55	0.59	1.87	1.49	0.82	-0.38	1.43	-0.15	-0.72	-0.33	-0.96	0.55	-2.76	-1.9	-3.75	-5.21	-1.96	2.31	0.28	0.75	-1.11	0.4	1.3
θ (105°)	1.39	0.07	1	2.13	3.11	[3.41]	0.27	1.96	0.77	-0.49	0.77	1.4	-4.35	-3.53	-0.71	-4.75	-5.45	-2.89	-1.81	-2.46	-0.86	1.54	2.19	1.09	1.39
θ (120°)	-7.88	-1.7	-0.78	-1.09	-3.07	-5	-3.71	-0.55	-1.65	-3.29	-1.4	0.36	0.24	-2.04	-1.93	-0.26	-0.94	-2.01	-1.02	-2.01	-6.7	-3.74	-2.43	-8.51	-7.88
θ (135°)	-1.85	-5.19	-6.53	-6.74	-6.32	-7.09	-5.12	-3.74	-6.83	-4.58	-4.54	-5.99	-12.31	-7.83	-11.12	-9.93	-15.4	-10.04	-4.53	-9.14	-5.79	-3.04	-1.45	-0.21	-1.85
θ (150°)	-10	-7.89	-8.08	-8.46	-8.54	-9.41	-10.25	-11.34	-17.83	-13.05	-6.43	-3.13	-3.25	-3.27	-3.76	-3.23	-3.12	-9.23	-21.27	-13.62	-30.81	-5.85	-7.38	-11.74	-10
θ (165°)	-15.23	-15.38	-22.21	-21.41	-16.99	-16.32	-13.46	-13.02	-12.89	-13.62	-12.83	-9.33	-5.69	-3.59	-3.6	-5.92	-11.02	-19.44	-28.38	-22.49	-19.59	-13.2	-10.4	-12.07	-15.23
θ (180°)	-24.62	-25.27	-29.05	-25.64	-25.56	-23.6	-24.77	-24.5	-24.24	-41.12	-29.5	-33.86	-30.31	-30.31	-30.83	-27.78	-20.89	-19.01	-18.49	-18.04	-19.29	-18.23	-22.16	-22.6	-24.62
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.98	-10.6	-12.39	-14.98	-19.19	-23.85	-20.39	-14.7	-12.75	-10.5	-9.93	-9.25	-9.62	-11.01	-12.18	-14.53	-21.09	-25.54	-20.53	-14.58	-12.42	-10.94	-9.78	-9.42	-9.98
θ (15°)	-16.29	-15.05	-13.72	-10.11	-9.15	-11.78	-17.22	-26.8	-21.43	-18.09	-26.03	-15.41	-12.51	-13.61	-18.3	-18.37	-15.98	-13.9	-11.44	-10.06	-9.62	-10.78	-15.17	-20.97	-16.29
θ (30°)	-14.38	-14.12	-17.71	-15.74	-17.5	-16.11	-15.65	-24.7	-20.7	-27.32	-20.11	-19.65	-25.17	-11.67	-22.95	-9.08	-13.65	-17.92	-15.03	-11.27	-13	-16.95	-18.48	-24.61	-14.38
θ (45°)	-11.66	-13.4	-9.8	-16.01	-25.34	-13.39	-13.66	-16.7	-16.74	-7.81	-11.16	-15.64	-11.94	-14.84	-8.6	-12.86	-14.63	-34.47	-17.11	-10.54	[-4.96]	-7.82	-12.26	-11.06	-11.66
θ (60°)	-16.71	-17.24	-18.98	-21.3	-27.43	-17.82	-21.02	-17.18	-11.51	-18.32	-13.67	-14.16	-13.33	-15.85	-11.19	-15.45	-12.62	-21.09	-19.12	-12.77	-11.55	-12.65	-10.25	-17.6	-16.71
θ (75°)	-13.94	-18.62	-15.31	-14.82	-14.64	-13.98	-16.74	-16.92	-12.35	-12.87	-21.59	-17.72	-20.87	-15.2	-23.94	-15.87	-23.67	-18.85	-25.15	-18.5	-24.91	-16.91	-20.55	-13.58	-13.94
θ (90°)	-16.02	-13.69	-18.26	-17.15	-24.39	-14.54	-24.77	-21.81	-16.01	-25.19	-19.33	-24.46	-9.4	-13.28	-14.77	-11.06	-10.11	-10.81	-15.78	-16.74	-12.84	-26.94	-18.69	-29.77	-16.02
θ (105°)	-13.39	-19.84	-31.67	-15.06	-14.83	-11.46	-12.95	-19.59	-11.38	-14.62	-23.61	-17.98	-14.23	-19.71	-12.07	-12.09	-21.94	-18.98	-13.52	-32.22	-22.28	-12.47	-12.83	-9.49	-13.39
θ (120°)	-30.82	-24.61	-14.5	-12.74	-15.9	-10.96	-10.31	-15.09	-14.08	-13.35	-12.63	-11.79	-12.97	-16.78	-10.02	-9.19	-13.41	-10.93	-13.09	-13.61	-17.71	-16	-16.08	-19.71	-30.82
θ (135°)	-16.83	-16.85	-16.18	-22.35	-19.06	-15.77	-15.07	-22.41	-24.48	-21.06	-17.03	-11.05	-25.82	-15.33	-15.97	-14.76	-18.46	-10.33	-17.41	-9.4	-22.97	-11.77	-12.56	-19.2	-16.83
θ (150°)	-14.99	-17.42	-12.76	-27.28	-19.72	-20.05	-18.3	-16.69	-14.58	-10.68	-11.66	-12.47	-17.88	-10.73	-20.11	-16.43	-22.15	-14.1	-17.94	-26.36	-15.57	-9.48	-7.39	-8.84	-14.99
θ (165°)	-12.56	-11.7	-12.07	-16.32	-19.94	-19.63	-16.65	-14.53	-16.59	-23.86	-18.63	-13.42	-17.74	-21.65	-14.56	-12.58	-11.11	-12.9	-16.6	-28.71	-13.75	-10.92	-9.97	-11.63	-12.56
θ (180°)	-15.91	-16.88	-19.96	-22.15	-29.06	-32.86	-27.45	-25.94	-27.13	-23.29	-23.48	-19.54	-16.04	-15.43	-17.88	-21.1	-25.04	-27.09	-31.96	-33.89	-27.38	-26.97	-20.09	-18.3	-15.91

Ant.	No.4																								
Freq. (MHz)	5250																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-11.21	-9.62	-8.09	-7.24	-7.02	-6.8	-7.22	-8.7	-10.65	-12.3	-16.12	-14.86	-12.03	-9.62	-8.13	-7.17	-6.51	-6.36	-7.19	-8.82	-10.79	-12.96	-16.17	-14.43	-11.21
θ (15°)	-9.07	-8.22	-7.98	-8.99	-8.75	-7.87	-7.32	-8.28	-9	-12.78	-19.46	-23.34	-17.73	-18.28	-15.62	-10.01	-7.7	-9.68	-12.17	-14.3	-12.57	-10.52	-10.11	-9.37	-9.07
θ (30°)	-2.81	-3.34	-2.26	-5.85	-8.01	-12.44	-10.9	-9.87	-8.88	-13.24	-10.71	-9.92	-5.42	-4.56	-5.15	-5.35	-5.22	-6.93	-6.68	-6.57	-7.23	-13.03	-10.71	-5.34	-2.81
θ (45°)	-10.72	-9.38	-4.09	-2.36	-4.61	-4.04	-6.93	-6.11	-4.65	-1.87	-3.02	-1.63	-3.38	-4.14	-4.19	-3.44	-1.29	-5.09	-9.84	-6.63	-1.94	-2.82	-2.68	-3.75	-10.72
θ (60°)	2.07	1.25	0.78	-1.22	-0.67	1.16	0.29	-0.39	-1.63	-1.21	-4.47	-5.1	-3.01	-1.99	-1.09	-2.44	-0.3	1.76	-1.09	-1.8	-0.75	-5.45	-5.13	-2.9	2.07
θ (75°)	1.69	0.06	0.08	0.28	0.33	-0.4	-1.51	0.35	0.2	-1.93	0.82	0.92	-1.11	-2.13	-2.65	-4.27	-4.84	-2.21	-0.32	0.96	-1.63	0.71	-0.55	-0.11	1.69
θ (90°)	0.39	0.16	1.76	0.87	1.93	0.46	0.67	-0.3	1.92	-0.34	0.12	-0.53	-3.16	-1.62	-2.21	-2.77	-4.57	-7.29	-1.29	2.32	-0.14	1.12	0.11	-0.06	0.39
θ (105°)	0.17	0.14	1.45	1.64	[3.24]	3.19	0.63	1.19	-0.23	-1.31	0.88	1.07	-2.8	-6.78	-0.74	-2.41	-4.03	-1.55	-1.22	-1.5	-0.87	1.91	2.91	1.41	0.17
θ (120°)	-6.38	-0.73	-1.71	-2.23	-2.16	-4.75	-5.53	-2.4	-3.08	-3.52	-2.7	-0.18	0.56	0.6	-1.7	-1.19	-1.02	-1.8	-0.84	-1.69	-6.5	-5.19	-2.97	-10.14	-6.38
θ (135°)	-0.65	-5.45	-7.24	-3.83	-5.98	-5.06	-3.28	-3.51	-5.32	-5.69	-3.73	-3.66	-10.31	-9.6	-10.39	-10.24	-13.2	-16.16	-7.53	-11.4	-4.85	-3.69	0.16	1.73	-0.65
θ (150°)	-7.47	-5.81	-7.53	-10.39	-13.27	-12.82	-10.11	-10.8	-14.06	-13.13	-4.05	-2.45	-1.73	-2.07	-3.43	-2.59	-2.59	-8.89	-13.26	-9.66	-27.1	-6.61	-9.22	-17.01	-7.47
θ (165°)	-14.16	-18.2	-27.99	-13	-9.28	-8.84	-8.83	-8.88	-9.11	-10.33	-12.15	-8.62	-5.4	-3.48	-3.46	-4.56	-7.57	-13.05	-24.97	-20.88	-20.55	-11.84	-10.59	-12.32	-14.16
θ (180°)	-27.03	-27.03	-22.78	-21.8	-19.9	-20.35	-19.17	-20.86	-20.91	-23.94	-27.88	-39.04	-28.6	-28.11	-45.94	-23.28	-16.06	-17.92	-15.08	-18.99	-18.9	-23.11	-25.33	-25.9	-27.03
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.53	-9.75	-12.08	-15.59	-17.9	-16.38	-13.59	-10.4	-9.18	-7.53	-7.55	-7.02	-7.38	-8.52	-10.73	-15.79	-18.3	-19.45	-12.88	-10.86	-9.03	-8.05	-7.28	-7.36	-8.53
θ (15°)	-11.77	-13	-10.36	-8.81	-10.72	-15.42	-18.92	-16.42	-13.45	-13.8	-17.91	-11.52	-8.01	-8.65	-11.15	-15.39	-20.07	-14.89	-11.84	-8.9	-8.18	-8.54	-9.6	-10.01	-11.77
θ (30°)	-19.66	-15.52	-18.65	-17.04	-18.93	-15.88	-12.76	-16.64	-17.78	-23.34	-19.41	-21.68	-33.48	-13.21	-14.91	-9.11	-13.32	-17.03	-12.65	-10.97	-13.4	-12.79	-17.3	-17.48	-19.66
θ (45°)	-10.53	-11.79	-7.82	-8.74	-17.52	-15.85	-15.79	-12.76	-13.39	-8.17	-9.22	-9.06	-11.11	-10.72	-7.48	-8.68	-13.11	-25.19	-17.57	-9.56	[4.26]	-6.53	-8.54	-7.71	-10.53
θ (60°)	-13.33	-12.29	-20.04	-12.33	-18.3	-19.96	-18.35	-11.24	-10.61	-12.63	-14.36	-15.9	-14.86	-14.1	-10.82	-12.81	-10.91	-17.44	-16.61	-10.81	-8.55	-11.98	-9.15	-14.95	-13.33
θ (75°)	-10.82	-19.71	-10.18	-10.48	-12.78	-13.02	-13.38	-18.24	-16.84	-14.17	-17.8	-19.99	-13.05	-12.12	-25.86	-12.38	-16.34	-15.02	-25.55	-15.97	-25.81	-13.43	-19.71	-11.6	-10.82
θ (90°)	-18.58	-11.68	-9.31	-12.15	-19.2	-11.38	-15.9	-21.92	-19.93	-16.61	-26.54	-24	-10.08	-11.23	-13.38	-9.79	-7.25	-9.46	-12.57	-16.47	-9.38	-17.12	-18.19	-18.1	-18.58
θ (105°)	-13.96	-17.4	-17.77	-12.04	-18.42	-9.98	-12.62	-24.59	-14.63	-15.18	-17.79	-18.56	-13.94	-15.6	-9.82	-10.45	-18.15	-15.86	-12.9	-21.04	-26.51	-12.64	-13.26	-9.26	-13.96
θ (120°)	-25.56	-21.26	-11.6	-9.72	-12.81	-10.66	-11.23	-15.85	-15.77	-12.83	-11.53	-12.13	-12.15	-16.21	-8.74	-7.96	-11.44	-9.73	-14.06	-14.64	-17.96	-15.47	-11.42	-17.16	-25.56
θ (135°)	-16.86	-12.81	-12.87	-14.39	-21.07	-17.32	-12.39	-18.38	-18.16	-25.98	-17.28	-8.35	-16.5	-13.73	-11.73	-13.55	-14.87	-10.41	-18.12	-8	-13.28	-8.46	-10.13	-13.82	-16.86
θ (150°)	-16.94	-16.5	-12.71	-13.01	-15.5	-28.9	-18.27	-16.98	-14.17	-9.63	-9.36	-8.72	-11.71	-10.37	-13.71	-16.52	-15.32	-16.19	-17	-26.93	-13.83	-7.63	-4.76	-7.5	-16.94
θ (165°)	-15.66	-14.38	-17.53	-20.39	-19.63	-17.12	-15.1	-11.84	-11.13	-12.98	-34.14	-15.25	-14.9	-25.58	-12.8	-9.91	-10.21	-10.93	-18.7	-20.94	-13.29	-9.82	-10.64	-12.32	-15.66
θ (180°)	-13.48	-13.41	-16.83	-22.07	-28.22	-28.35	-29	-24.92	-21.59	-20.77	-23.75	-27.45	-21.56	-20.54	-24.05	-27.8	-28.31	-53.08	-29.81	-31.93	-26.77	-19.74	-19	-15.8	-13.48

Ant.	No.4																								
Freq. (MHz)	5350																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-12.74	-10.82	-8.75	-7.19	-6.43	-6.33	-6.83	-7.34	-8.9	-11.72	-13.15	-15.85	-13.45	-10.37	-7.95	-6.31	-5.34	-5.53	-6.27	-6.86	-8.68	-11.04	-14.05	-15.35	-12.74
θ (15°)	-11.84	-11.43	-13.78	-14.76	-13.79	-14.23	-15.46	-15.63	-14.99	-11.97	-12.68	-13.18	-9.42	-8.72	-11.73	-10.03	-6.62	-6.29	-7.5	-9.68	-11.39	-12.9	-11.8	-11.95	-11.84
θ (30°)	-2.71	-2.71	-4.58	-7.82	-10.13	-7.42	-6.85	-7.75	-7.42	-9.84	-9.33	-18.84	-12.44	-4.01	-5.88	-5.81	-6.68	-8.17	-10.54	-9.43	-11.8	-16.59	-7.7	-2.48	-2.71
θ (45°)	-9.02	-6.16	-3.37	-1.93	-4.49	-4.91	-5.46	-7.83	-5.32	-4.45	-2.54	-0.78	-1.17	-2.94	-6.71	-3.97	-0.49	-1.33	-4.11	-3.36	-1.55	-3.86	-3.78	-3.77	-9.02
θ (60°)	1.53	1.2	-0.6	-3.88	-1.42	-0.07	-0.66	0.14	-2.75	-0.62	-0.28	-2.62	-5.49	-1.27	0.15	-2.69	-1.14	0.43	-0.54	0.21	-0.65	-5.43	-3.41	-0.18	1.53
θ (75°)	0.66	-3.32	-1.62	-0.27	0.52	-0.23	-1.37	-0.21	-0.24	0.03	0.04	1.55	-0.2	-1.7	-1.4	-2.81	-4.93	-2.52	0.02	1.49	-0.87	1.37	0.54	0.99	0.66
θ (90°)	0.32	-0.86	0.34	1.65	1.1	1.57	2.77	0.09	2.26	0.29	-0.93	-0.72	-3.06	-1.86	-0.74	-3.47	-2.58	-3.57	-2.03	1.7	1.24	1.51	0.56	1.54	0.32
θ (105°)	0.24	0.35	0.61	1.98	3.66	[3.76]	0.67	-1.23	1.03	0.19	0.32	2	-2.37	-2.42	-0.89	-1.69	-3.36	-1.07	-0.08	-1.73	-3	1.12	1.24	1.03	0.24
θ (120°)	-2.18	-0.84	-2.25	-3.85	-1.75	-3.97	-7.86	-4.17	-2.91	-4.49	-4.91	-1.47	-0.27	0.94	-1.97	-1.81	-1.8	-2.16	-0.35	-1.7	-8.28	-5.03	-6.56	-10.85	-2.18
θ (135°)	-0.78	-6.19	-6.57	-5.34	-7.8	-5.86	-2.75	-1.39	-4.39	-6.5	-2.79	-2.7	-6.65	-15.53	-6.95	-10.75	-11.53	-22.99	-9.56	-13.56	-4.7	-3.14	0.28	1.43	-0.78
θ (150°)	-5.23	-3.92	-6.59	-8.75	-12.21	-9.25	-8.32	-10.64	-12.23	-18.83	-4.8	-2.95	-1.73	-2.01	-3.31	-2.87	-3.01	-11.39	-10.8	-9.39	-31.54	-8.5	-8.62	-15.78	-5.23
θ (165°)	-14.44	-17.81	-18.66	-10.33	-8.24	-7.54	-7.21	-7.63	-7.9	-8.35	-10.7	-9.96	-5.56	-3.16	-2.93	-4.2	-7.17	-12.07	-20.15	-17.65	-15.52	-11.33	-10.39	-12.56	-14.44
θ (180°)	-21.32	-19.65	-17.8	-16.04	-16.39	-16.01	-16.52	-17.43	-20.04	-21.48	-26.68	-25.1	-21.78	-21.44	-21.52	-17.28	-14.33	-12.54	-12.35	-16.12	-17.21	-25.64	-25.98	-29.36	-21.32
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-7.05	-7.99	-9.54	-12.62	-17.89	-19.37	-15.83	-11.29	-9.1	-7.14	-6.13	-5.96	-6.76	-7.66	-9.49	-11.88	-16.57	-19.42	-16.76	-11.17	-9.23	-6.51	-6.97	-6.74	-7.05
θ (15°)	-10.58	-12.4	-8.51	-8.17	-10.95	-19.06	-17.52	-11.91	-8.7	-8.45	-11.12	-12.36	-8.17	-8.43	-9.58	-11.49	-17.6	-23.3	-12.15	-8.86	-6.53	-6.26	-5.42	-6.48	-10.58
θ (30°)	-27.56	-14.64	-22.43	-14.96	-20.02	-21.41	-13.08	-14.42	-16.67	-13.32	-13.81	-35.49	-21.74	-15.32	-13.62	-8.96	-13.08	-20.15	-16.29	-17.04	-13.85	-15.36	-15.92	-10.95	-27.56
θ (45°)	-10.36	-14.5	-10.01	-8.78	-17.73	-21.93	-22.06	-16.61	-12.29	-11.93	-9.42	-9.41	-9.49	-9.61	-8.5	-8.2	-9.7	-19.35	-16.67	-8.83	-4.69	-4.92	-8.17	-8.44	-10.36
θ (60°)	-10.89	-11.85	-21.21	-11.31	-17.56	-19.04	-17.62	-10.43	-11.34	-10.78	-11.76	-18.75	-17.69	-12.75	-12.27	-13.25	-10.64	-15.95	-18.7	-13.1	-10.88	-16.41	-10.13	-20.03	-10.89
θ (75°)	-10.59	-19.27	-9.84	-10.43	-12.42	-15.26	-15.84	-23.72	-24.99	-14.98	-18.21	-21.91	-12.9	-12.11	-19.61	-11.14	-15.95	-16.91	-26.84	-20.93	-16.73	-10.6	-24.99	-12.89	-10.59
θ (90°)	-23.61	-12.85	-8.8	-11.25	-14.7	-10.66	-20.11	-21.68	-19.87	-11.79	-14.16	-20.01	-11.9	-9.79	-16.92	-10.08	-5.88	-8.3	-14.42	-17.02	-8.08	-15.12	-25.12	-16.83	-23.61
θ (105°)	-11.53	-18.4	-13.1	-12.51	-16.14	-8.58	-12.49	-27.37	-17.65	-13.34	-11.11	-28.31	-14.02	-13.19	-9.94	-10.89	-15.71	-15.47	-13.69	-17.52	-29.49	-13.64	-13.55	-11.94	-11.53
θ (120°)	-17.59	-21.75	-10.28	-8.54	-10.12	-12.1	-13.04	-19.48	-20.24	-14.06	-11.32	-12.4	-8.96	-15.81	-7.79	-7.88	-9.71	-8.61	-16.69	-15.34	-18.33	-13.9	-12.48	-15.12	-17.59
θ (135°)	-18.01	-12.33	-12.27	-10.48	-13.65	-17.95	-12.27	-16.1	-22.64	-19.79	-14.43	-9.28	-11.6	-12.45	-9.11	-12.36	-12.43	-11.15	-15.36	-7.69	-11.47	-8.02	-8.58	-11.56	-18.01
θ (150°)	-13.37	-19.25	-14.02	-10.58	-12.78	-18.16	-14.9	-17.05	-15.95	-10.65	-9.08	-8.08	-9.77	-11.11	-14.09	-12.1	-12.8	-15.7	-15.22	-25.72	-13.13	-6.24	[4.55]	-7.18	-13.37
θ (165°)	-16.62	-20.16	-42.07	-20.72	-20.53	-33.19	-15.86	-11.64	-8.73	-9.94	-14.69	-21.08	-15.38	-27.21	-15.01	-10.27	-10.2	-12.44	-17.72	-19.42	-11.16	-9.64	-9.06	-12.03	-16.62
θ (180°)	-12.48	-13.41	-15.3	-18.63	-22.97	-28.3	-19.56	-18.28	-16.07	-16.33	-17.63	-24.29	-25.97	-23.51	-28.09	-28.32	-24.68	-23.96	-22.53	-20.73	-15.8	-15.18	-14.66	-14.04	-12.48

Ant.	No.4																								
Freq. (MHz)	5470																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-20.63	-19.45	-15.31	-12.76	-10.76	-9.52	-9.29	-9.65	-9.99	-12.13	-14.56	-18.09	-21.84	-17.16	-12.84	-10.71	-9.21	-8.72	-8.42	-8.37	-9.22	-10.61	-12.85	-16.92	-20.63
θ (15°)	-28.07	-21.76	-20.83	-22.7	-20.72	-17.35	-14.45	-14.53	-20.64	-11.93	-7.24	-9.36	-9.64	-6.86	-7.63	-7.26	-4.52	-3.51	-4.26	-5.73	-7.62	-10.25	-16.19	-23.67	-28.07
θ (30°)	-5.34	-5.57	-10.76	-13.45	-9.74	-6.08	-4.79	-4.61	-3.48	-4.34	-6.44	-8.05	-15.51	-7.39	-6.82	-6.83	-8.94	-12.81	-18.32	-24.65	-21.84	-10.02	-4.85	-3.93	-5.34
θ (45°)	-6.61	-1.79	-1.01	-3.4	-4.08	-4.39	-1.93	-2.32	-3.17	-7.39	-4.35	-1.88	-0.54	-1.42	-2.2	-5.63	-0.85	-0.12	-1.89	-1.02	-0.78	-3.57	-5.31	-4.34	-6.61
θ (60°)	1.2	0.4	-3.78	-2.75	-0.09	-0.81	-1.34	-1.04	-0.66	-0.28	0.7	0.59	-4.53	-2.41	0.35	-2.69	-3.13	0.34	0.95	0.4	-0.84	-1.12	-1.81	0.53	1.2
θ (75°)	-0.63	-3.2	0.05	1.43	0.08	-0.37	0.86	-0.77	1.28	0.2	-0.04	0.33	-0.73	-0.06	-1.28	-0.66	-4.11	-2.47	-0.01	1.15	-0.27	2.11	1.34	-0.07	-0.63
θ (90°)	-0.28	-0.18	1.23	1.55	0.18	1.87	[2.64]	1.15	1.38	-0.33	0.61	0.12	-2.08	-0.76	-0.11	-1.83	-1.19	-2.13	-0.79	1.1	1.25	1.23	2.07	0.86	-0.28
θ (105°)	-0.26	-0.19	0.96	1.9	2.33	1.92	1.18	-1.59	1.79	-0.69	-0.08	0.67	-1.24	-0.65	-1.09	-0.54	-2.73	-1.69	0.01	-2.59	-3.01	0.97	0.39	-1.16	-0.26
θ (120°)	-1.13	-0.67	-0.35	-3.76	-2.55	-4.18	-7.14	-3.78	-2.67	-5.25	-4.46	-3.55	-1.61	-0.07	-1.54	-2.29	-2.4	-2.42	-0.66	-3.13	-8.67	-3.87	-6.68	-6.45	-1.13
θ (135°)	-2.04	-6.43	-6.3	-5.44	-5.22	-3.98	-3.39	-1.75	-3.37	-6.6	-2.45	-2.48	-5.67	-16.14	-7.4	-10.43	-11.18	-31.21	-9.02	-13.11	-5	-2.77	-1.11	0.75	-2.04
θ (150°)	-6.78	-5.56	-8.25	-11.28	-12.65	-10.23	-9.86	-10.9	-16.19	-19.83	-7.94	-3.56	-2.19	-2.8	-3.75	-2.9	-2.39	-11.01	-13.3	-11.4	-24.67	-6.12	-7.94	-25.7	-6.78
θ (165°)	-12.83	-21.86	-15.94	-10.43	-8.6	-9.05	-9.61	-8.77	-7.33	-6.5	-7.63	-11.16	-7.96	-3.93	-2.88	-3.51	-5.74	-10.02	-15.14	-16.08	-14.64	-11.72	-12.26	-11.98	-12.83
θ (180°)	-18.01	-16.28	-15.71	-16.45	-16.58	-16.83	-18.59	-19.32	-22.72	-22.78	-19.8	-17.91	-16.51	-16.76	-20.33	-18.61	-15.05	-12.54	-13.67	-17.22	-20.43	-29.84	-31.32	-24.3	-18.01
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.59	-10.03	-11.09	-12.95	-15.04	-21.66	-26.97	-20.11	-14.6	-12.28	-9.31	-8.85	-8.25	-8.72	-9.29	-10.6	-15.02	-16.65	-25.24	-19.96	-14.82	-13.1	-10.3	-9.13	-9.59
θ (15°)	-11.97	-8.62	-8.3	-9.62	-13.27	-17.23	-16.8	-13.28	-10.56	-8.61	-10.21	-12.38	-9.4	-9.11	-11.45	-12.84	-14.55	-35.28	-13.76	-7.83	-7.57	-5.32	-6.01	-7.98	-11.97
θ (30°)	-15.21	-10.3	-16.36	-17.15	-31.73	-15.99	-11.17	-11.69	-15.1	-13.3	-12.31	-23.43	-13.48	-13.94	-12.29	-8.62	-10.07	-19.93	-33.33	-19.64	-14.49	-11.83	-12.49	-8.57	-15.21
θ (45°)	-10.84	-18.96	-12.8	-13.58	-33.62	-23.3	-21.63	-21.32	-21.74	-25.1	-12.84	-11.14	-9.69	-12.4	-8.91	-8.62	-9.52	-19.56	-15.14	-9.27	[-4.66]	-5.02	-8.53	-8.2	-10.84
θ (60°)	-11.34	-13.95	-22.01	-13.88	-17.13	-17.66	-16.9	-13.09	-17.83	-9.7	-12.25	-22.44	-20.73	-15.11	-12.65	-16.79	-10.54	-16.26	-23.74	-23.26	-12.51	-23.13	-14.98	-17.82	-11.34
θ (75°)	-11.96	-21.74	-12	-10.13	-11.76	-12.28	-18.18	-18.8	-21.72	-24.17	-23.23	-25.16	-13.14	-11.87	-21.4	-13.77	-11.85	-22.33	-19.95	-18.57	-17.7	-9.27	-18.08	-12.18	-11.96
θ (90°)	-24.93	-15.11	-12.98	-10.5	-12.58	-10.29	-20.7	-23.81	-15.17	-9.37	-12.94	-15.28	-15.21	-10.63	-20.78	-10.09	-5.51	-8.15	-15.86	-16.41	-10	-18.27	-24.08	-20.19	-24.93
θ (105°)	-11.31	-14.03	-20	-16.48	-14.42	-10.04	-16.34	-27.75	-17.57	-12.45	-13.07	-29.25	-14.46	-11.31	-10.5	-11.41	-14.77	-17.17	-13	-24.8	-23.04	-11.9	-10.77	-14.19	-11.31
θ (120°)	-15.14	-23.37	-13.13	-11.05	-11.72	-11.4	-18.57	-23.87	-24.94	-22.41	-14.5	-15.13	-9.49	-18.99	-8.69	-9.36	-11.29	-9.83	-17.06	-19.25	-21.19	-15.02	-14.84	-14.92	-15.14
θ (135°)	-19.96	-14.02	-12.75	-12.21	-15.05	-12.86	-12.64	-14.77	-18.79	-16.58	-16.94	-10.89	-14.83	-12.06	-10.71	-12.32	-15.51	-14.51	-18.06	-7.83	-12.61	-7.85	-9.05	-11.67	-19.96
θ (150°)	-14.59	-21.31	-16.38	-10.31	-15.34	-12.65	-12.76	-17.38	-17.82	-13.15	-9.73	-10	-10.57	-13.39	-14.73	-14.48	-12.3	-17.47	-15.95	-28.38	-15.39	-8.61	-6.29	-8.68	-14.59
θ (165°)	-14.04	-15.84	-19.23	-15.68	-19.37	-20.4	-12.21	-10.97	-10.51	-10.63	-15.78	-25.86	-18.98	-25.9	-14.21	-10.82	-11.6	-13.72	-22.35	-18.98	-13.79	-9.4	-10.16	-11.61	-14.04
θ (180°)	-13.18	-14.1	-16.06	-20.27	-22.05	-27.1	-18.05	-17.38	-16.25	-15.79	-21.3	-30.58	-27.08	-32.02	-28.54	-20.68	-20.64	-19.64	-19	-15.69	-14.91	-13.12	-13.06	-12.62	-13.18

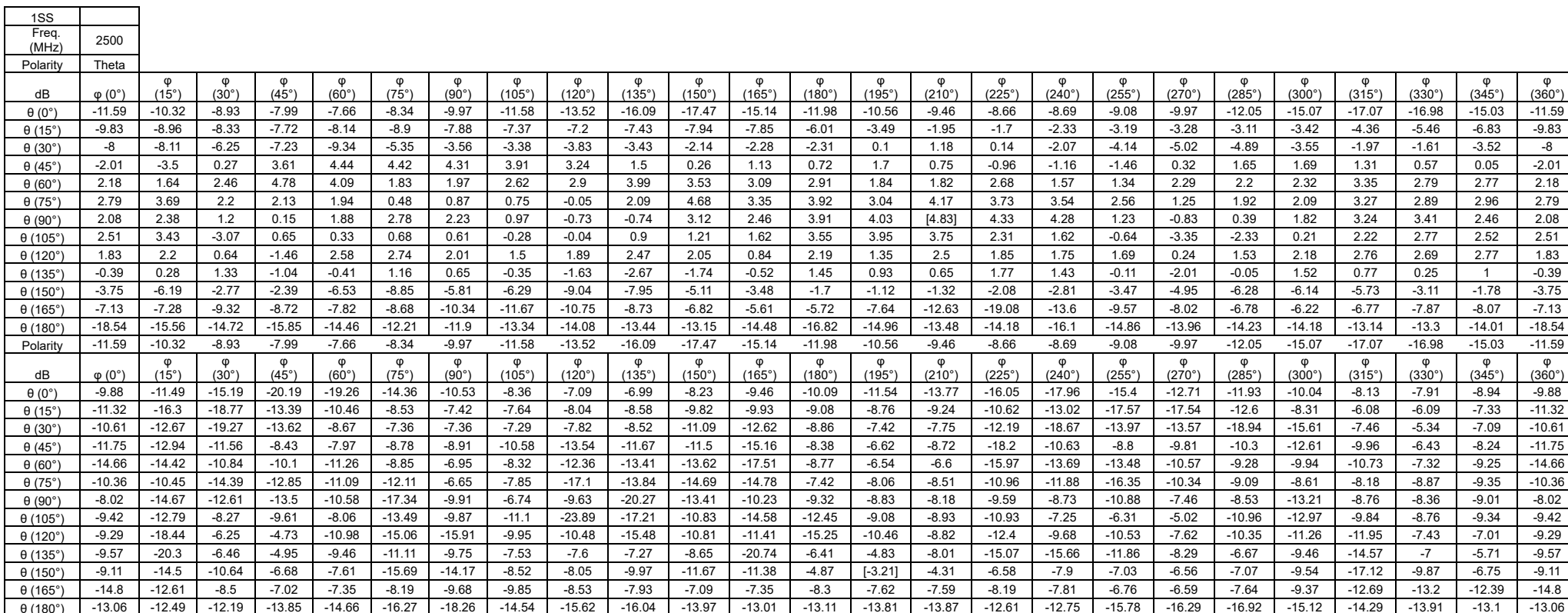
Ant.	No.4																								
Freq. (MHz)	5725																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-13.47	-15.43	-19.84	-28.18	-31.25	-19.12	-18.69	-15.72	-14.15	-13.19	-12.52	-13.24	-14.45	-17.63	-21.5	-27.14	-19.86	-18.31	-18.37	-15.7	-14.6	-11.82	-12.44	-12.74	-13.47
θ (15°)	-6.08	-6.24	-7.27	-9.09	-11.35	-12.29	-11.73	-10.59	-10.56	-14.87	-17.09	-9.95	-10.15	-8.55	-6.27	-7.28	-8.19	-7.34	-6.72	-7.57	-8.57	-11.27	-9.51	-6.99	-6.08
θ (30°)	-13.98	-20.75	-10.96	-8.72	-8.52	-11.3	-11.06	-9.39	-6.97	-4.57	-6.2	-2.65	-2.87	-5.75	-11.9	-7.82	-6.96	-4.44	-4.83	-4.31	-2.36	-2.53	-7.25	-8.9	-13.98
θ (45°)	-1.8	-0.48	-2.82	-3.3	-3.89	-4.86	-4.53	-3.63	-3.47	-2.35	-5.94	-7.67	-5.99	-1.04	-1.17	-3.68	-2.44	1.27	1.88	1.88	-1.52	-5.88	-4.17	-4.06	-1.8
θ (60°)	-2.1	-6.05	-2.89	-1	-3.22	-3.93	-3.7	-2.86	-2.08	-1.91	-0.42	-0.44	-1.22	-1.83	-3.36	-0.3	-9.05	-3.74	-0.09	0.17	-3.36	-0.2	1.32	-0.4	-2.1
θ (75°)	-4.75	-0.01	0.75	-1.36	-0.51	0.34	-1.1	0.49	-0.63	-0.52	-2.8	-2.53	-0.8	-0.33	-0.75	-0.53	-3	-0.59	-0.26	-0.87	1.08	1.97	0.13	-1.4	-4.75
θ (90°)	-0.33	0.01	1.21	0.52	1.53	1.44	0.25	0.04	-1.02	0.04	0.37	-0.37	0.59	-0.13	-1.24	0.48	0.89	0.07	-2.3	-1.09	0.4	1.24	0.92	-1.71	-0.33
θ (105°)	-0.91	-0.21	0.77	0.11	-2.11	-0.42	-0.25	0.52	[2.27]	-2.1	0.64	-1.68	-1.02	2.07	-0.32	-0.92	-3.66	-4.5	0.19	-2.37	-5.26	-0.32	-4.08	-6.47	-0.91
θ (120°)	0.92	0.2	-0.74	-0.79	-2.05	-3.14	-5.73	-4.88	-1.26	-3.57	-1.5	-3.14	-8.88	-2.45	-1.48	-2.08	-4.11	-2.45	-3.2	-7.77	-7.29	-3.69	-12.45	-3.92	0.92
θ (135°)	-5.22	-7.78	-2.56	-3.92	-2.96	-2.82	-3.11	-2.86	-2.29	-5.17	-0.15	-0.71	-0.81	-9.05	-10.57	-12.31	-10.48	-28.13	-5.78	-12.65	-3.4	-0.16	0.2	0.04	-5.22
θ (150°)	-3.31	-4.21	-13.97	-13.01	-7.65	-7.5	-7.7	-8.83	-11.19	-12.92	-14.64	-3.31	-2.24	-1.75	-1.2	-1.61	-1.48	-5.57	-35.97	-15.69	-14.63	-6.9	-13.4	-8.2	-3.31
θ (165°)	-13.08	-7.83	-7.3	-9.47	-14.06	-14.89	-13.18	-9.51	-7.16	-5.38	-5.39	-6.61	-6.54	-3.2	-2.45	-2.78	-4.02	-6.71	-9.73	-11.18	-11.11	-11.63	-11.51	-14.02	-13.08
θ (180°)	-20.44	-24.1	-22.02	-18.01	-17.22	-16.34	-16.16	-16.75	-18.32	-22.23	-25.42	-17.84	-18.46	-21.22	-24.91	-18.73	-15.51	-11.88	-13.52	-12.28	-14.86	-16.15	-18.39	-19.58	-20.44
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-15.89	-14.4	-14.09	-13.66	-13.06	-14.32	-14.68	-17.65	-18.53	-43.33	-24.06	-18.89	-18.03	-15.56	-13.14	-11.38	-14.46	-11.35	-15.82	-17.48	-18.12	-32.97	-26.16	-20.58	-15.89
θ (15°)	-9.92	-8.71	-8.93	-9.85	-11.63	-16.08	-16.4	-17.77	-25.16	-19.05	-11.51	-12.62	-25.63	-11.98	-11.73	-16.88	-21.43	-22.89	-12.67	-7.76	-6.26	-5.96	-7.85	-9.15	-9.92
θ (30°)	-8.07	-9.17	-10.95	-12.42	-21.03	-21.16	-13.32	-12.72	-13.75	-10.49	-9.71	-8.9	-12.8	-14.37	-10.1	-8.01	-10.36	-19.47	-15.57	-14.24	-8.82	-7.15	-5.02	-4.3	-8.07
θ (45°)	-22.19	-22.23	-17.5	-13.87	-13.13	-14.42	-10.57	-8.31	-9.9	-9.53	-11.22	-23.36	-16.11	-16.26	-13.55	-13.78	-10.42	-16.68	-13.72	-6.62	[-4.02]	-6.26	-7.99	-13.25	-22.19
θ (60°)	-8.58	-15.02	-11.83	-9.48	-29.66	-15.71	-17.76	-14.65	-23.1	-15.97	-13.77	-10.12	-11.87	-17.18	-12.86	-21.6	-10.45	-17.8	-22.57	-18.61	-16.41	-31.11	-16.06	-7.85	-8.58
θ (75°)	-20.16	-12.41	-9.17	-13.61	-12.76	-9.78	-10.69	-15.89	-12.55	-10.44	-13.6	-12.63	-12.15	-8.83	-15.7	-15.41	-15.49	-17.45	-13.14	-16.89	-18.07	-8.87	-11.01	-9.82	-20.16
θ (90°)	-8.63	-10.91	-12.53	-19.51	-14.86	-10.63	-10.94	-18.54	-14.63	-11.56	-9.76	-16.89	-21.67	-8.69	-15.27	-16.3	-6.68	-10.26	-19.07	-16.68	-13.98	-22.54	-15.5	-15.4	-8.63
θ (105°)	-7.42	-15.3	-17.5	-17.35	-13.33	-9.62	-12.8	-34.74	-20.94	-16.77	-24.46	-16.02	-15.05	-12.05	-13.57	-14.47	-18.18	-18.45	-12.3	-17.49	-13.99	-11.28	-7.89	-9.3	-7.42
θ (120°)	-18.12	-18.41	-12	-16.6	-12.98	-9.95	-13.79	-17.98	-28.13	-16.71	-23.11	-13.9	-9.78	-18.87	-8.93	-12.23	-13.62	-13.92	-17.36	-14.83	-18.19	-11.9	-15.6	-13.05	-18.12
θ (135°)	-21.58	-20.64	-12.52	-13.33	-14.4	-10.16	-10.39	-9.83	-8.51	-9.09	-15.55	-20.89	-22.68	-15.5	-12.82	-11.84	-10.85	-11.41	-15.8	-6.86	-13.05	-6.22	-9.67	-13.41	-21.58
θ (150°)	-20.1	-10.85	-9.36	-11.83	-40.6	-16.26	-11.11	-12.58	-17.31	-12.63	-11.01	-14.51	-10.34	-13.29	-10.01	-14.74	-9.01	-18.2	-12.96	-15.97	-19.27	-9.61	-7.7	-12.15	-20.1
θ (165°)	-18.14	-14.19	-16.8	-18.2	-16.6	-15.29	-11.06	-9.64	-11.66	-13.78	-21.94	-21.85	-15.29	-22.7	-16.29	-11.73	-12.62	-14.38	-17.75	-23.48	-15.55	-11.12	-12.49	-15.48	-18.14
θ (180°)	-12.94	-11.88	-11.9	-13.44	-15.42	-19.46	-24.35	-20.14	-15.11	-17.48	-20.09	-24.66	-17.8	-17.29	-19.54	-24.13	-22.34	-18.78	-16.96	-18.42	-15.79	-16.01	-14.6	-14.06	-12.94

Ant.	No.4																								
Freq. (MHz)	5850																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-12.57	-12.48	-12.1	-13.71	-15.66	-16.65	-19.23	-18.56	-18.48	-16.7	-15.15	-15.67	-14.54	-15.34	-15.79	-13.55	-15.69	-19.08	-21.58	-18.27	-15.24	-15.44	-13.54	-12.87	-12.57
θ (15°)	-6.71	-5.86	-6.07	-9.16	-13.73	-14.7	-16.29	-16.06	-14.25	-16.2	-23.08	-11.07	-9.36	-9.23	-6.99	-6.35	-8.09	-7.53	-6.36	-5.61	-7.27	-8.46	-8.4	-7.96	-6.71
θ (30°)	-9.44	-11.45	-5.72	-5.82	-8.56	-20.1	-18.55	-31.99	-17.77	-7.2	-7.15	-3.81	-1.14	-2.12	-7.51	-7.12	-5.29	-2.27	-0.75	-0.13	0.44	-3.52	-9.7	-13.15	-9.44
θ (45°)	-0.34	-0.93	-5.94	-4.38	-5.4	-2.82	-3.37	-4.5	-4.02	-1.17	-2.2	-3.53	-11.18	-1.85	-0.65	-1.78	-5.08	0.34	2.05	1.79	-2.62	-3.68	-2.04	-2.15	-0.34
θ (60°)	-5.75	-9.13	-2.85	-0.57	-5.98	-3.33	-1.95	-1.47	-4.29	-1.51	-3.27	-1.96	-0.43	-1.15	-3.85	-1.04	-5.64	-7.17	-1.01	-1.45	-5.8	-0.47	-0.36	-2.83	-5.75
θ (75°)	-4.25	1.32	0.69	-2.38	0.48	0.96	-0.24	-2.24	-1.6	-1.61	-2.2	-1.91	-0.56	0.44	-0.36	0.37	-0.74	0.52	-0.12	-2.6	0.69	0.47	-1.13	-3.22	-4.25
θ (90°)	-0.37	0.99	0.99	-0.6	0.89	-0.69	0.26	0.64	-0.22	1.12	0.71	-1.42	0.09	-0.67	-0.58	-0.03	1.23	0.25	-0.91	-2.49	-0.63	1.56	-1.27	-2.83	-0.37
θ (105°)	-1.69	0.2	0.01	-1.16	-0.87	0.32	-0.14	0.23	1.12	-2.52	0.91	-1.34	-1.73	[2.11]	0.56	-1.55	-4.79	-5.64	1.46	-2.7	-4.77	-1.09	-8.63	-5.92	-1.69
θ (120°)	1.24	0.77	-1.95	-1.26	-1.84	-1.53	-3.68	-7.69	-0.92	-2.99	-0.97	-2.24	-17.03	-3.05	-1.85	-2.87	-5.19	-3.14	-4.44	-9.74	-5.52	-2.8	-9.52	-2.71	1.24
θ (135°)	-6.91	-5.46	-2.28	-2.93	-2.07	-2.44	-1.85	-2.82	-2.6	-3.89	-1.15	0.4	0.61	-6.51	-10.46	-13.16	-9.71	-22.88	-6.46	-11.64	-3.03	0.76	-0.19	0.5	-6.91
θ (150°)	-1.61	-3.67	-11.77	-10.85	-8.32	-6.27	-6.3	-7.89	-11.59	-8.82	-17.25	-4.29	-2.16	-1.86	-0.9	-2.25	-0.97	-5.14	-25.42	-17.02	-16.2	-7.88	-16.41	-7.44	-1.61
θ (165°)	-11.76	-7.66	-7.76	-11.12	-16.25	-17.55	-13.28	-10.8	-8	-4.75	-3.58	-4.13	-5.39	-4.13	-2.38	-2.56	-3.27	-5.65	-8.35	-11.27	-11.38	-10.37	-11.68	-17.39	-11.76
θ (180°)	-23.63	-22.35	-20.78	-19.39	-17.95	-17.72	-17.8	-18.59	-21.62	-25.96	-29.53	-21.57	-19.52	-22.24	-27.25	-20.07	-13.23	-12.19	-12.65	-14.17	-18.09	-20.59	-28.47	-30.16	-23.63
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-16.5	-16.38	-15.25	-14.49	-13.88	-13.34	-14.01	-14.61	-16.5	-15.12	-21.36	-19.29	-18.16	-17.53	-17.11	-16.86	-13.93	-14.89	-13.3	-13.7	-15.76	-14.59	-16.81	-17.29	-16.5
θ (15°)	-21.17	-22.43	-16.23	-14.21	-16.58	-18.72	-26.24	-26	-24.6	-25.71	-19.05	-14.93	-19.18	-23.1	-16.52	-19.09	-28.31	-30.33	-15.63	-9.78	-7.2	-7.15	-9.04	-12.25	-21.17
θ (30°)	-8.33	-11.43	-12.95	-13.38	-15.52	-21.45	-17.72	-15.81	-15.8	-16.84	-11.56	-7.85	-13.64	-12.37	-12.14	-6	-8.12	-16.75	-23.73	-13.63	-6.64	-6.03	[-2.39]	-3.36	-8.33
θ (45°)	-15.83	-13.04	-20.55	-12	-17.54	-15.43	-10.45	-7.71	-9.76	-7.68	-8.98	-20.71	-22.36	-16.7	-17.71	-13.79	-9.2	-14.67	-15.47	-8.93	-5.6	-8.66	-9.69	-15.17	-15.83
θ (60°)	-7.56	-14.6	-10.8	-9.17	-17.24	-18.84	-16.84	-18.09	-25.36	-16.34	-17.11	-9.72	-10.57	-13.06	-13.65	-17.64	-9.02	-14.62	-23.33	-12.46	-20.29	-17.32	-15.94	-5.42	-7.56
θ (75°)	-22.73	-11.77	-10.21	-14.21	-15.76	-11.3	-14.18	-16.05	-10.55	-8.61	-9.97	-12.25	-12.24	-9.24	-14.71	-14.74	-17.84	-21.12	-13.41	-15.92	-15.59	-9.67	-9.86	-11.57	-22.73
θ (90°)	-6.98	-9	-12.77	-20.22	-18.31	-12.12	-11.5	-16.87	-21.54	-13.58	-9.95	-14.36	-23.05	-10.43	-11.33	-14.16	-7.12	-8.66	-21.3	-16.26	-14.05	-23.25	-11.83	-11.4	-6.98
θ (105°)	-6.6	-15.88	-14.39	-14.31	-11.31	-10.03	-12.87	-19.56	-23.39	-14.3	-33.17	-15.63	-15.59	-12.43	-16.3	-13.48	-16.47	-18.6	-13.65	-17.52	-13.64	-11.8	-7.74	-8.3	-6.6
θ (120°)	-21.47	-13.86	-11.84	-12.24	-11.05	-11.95	-13.22	-14.26	-20.84	-12.74	-21.71	-16.16	-10.54	-12.85	-10.66	-13.82	-12.46	-14.94	-17.78	-14.38	-16.03	-10.84	-15.34	-12.28	-21.47
θ (135°)	-22.69	-14.88	-9.89	-13.47	-15.6	-10.53	-11.67	-10.28	-8.12	-7.28	-13.11	-19.63	-18.18	-14.54	-12.83	-11.78	-9.41	-9.02	-18.75	-5.88	-11.4	-5.4	-9.08	-14.27	-22.69
θ (150°)	-25.97	-9.43	-10.31	-12.85	-17.1	-14.15	-12.34	-13.18	-13.32	-12.5	-8.35	-12.94	-8.85	-15.61	-8.95	-14.21	-8.07	-21.27	-13.42	-14.87	-19.27	-9.28	-5.99	-8.64	-25.97
θ (165°)	-19.28	-14.68	-14.72	-13.31	-18.37	-24.45	-16.12	-14.85	-12.13	-13.35	-18.15	-29.46	-18.15	-21.29	-19.51	-13.32	-14.08	-17.46	-18.66	-21.63	-15	-11.12	-12.66	-16.94	-19.28
θ (180°)	-18.14	-16.91	-15.39	-15.17	-21.74	-23.59	-25.3	-20.37	-17.49	-15.04	-20.18	-25.54	-26.34	-23.72	-31.06	-24.69	-35.45	-24.16	-19.05	-19.23	-15.33	-17.43	-14.84	-15.72	-18.14

Directional Gain@1SS:

1SS																									
Freq. (MHz)	2400																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.97	-8.16	-7.02	-6.58	-6.97	-7.66	-8.61	-10.64	-14.3	-20.12	-19.23	-14.61	-11.38	-9.07	-7.71	-7.3	-7.36	-7.58	-8.69	-11.16	-14.42	-19.22	-17.4	-14.27	-9.97
θ (15°)	-5.43	-5.27	-4.22	-3.95	-4.13	-4.78	-5.43	-5.62	-5.77	-6.44	-7.17	-7.75	-7.01	-5.23	-5.08	-6.16	-7.47	-7.35	-6.12	-5.23	-4.41	-3.86	-4.4	-4.85	-5.43
θ (30°)	-6.85	-5.89	-4.71	-4.77	-3.53	-2.12	-1.23	-1.12	-2.07	-2.55	-1.6	-0.91	-1.59	-0.81	-0.63	-3.01	-6.22	-7.13	-8.74	-8.83	-5.41	-2.92	-2.77	-3.94	-6.85
θ (45°)	-0.56	-2.92	-0.54	4.1	5.09	5.1	5.01	4.52	3.99	2.78	1.96	3.08	1.88	1.7	0.48	-0.17	0.52	0.59	1.47	2.38	3.27	3.62	2.23	0.26	-0.56
θ (60°)	3.62	2.31	2.29	4.5	4.38	2.91	3.04	3.96	4.22	4.89	5.34	4.7	4.63	4.01	3.68	3.63	2.95	2.93	3.3	2.98	3.07	3.7	3.31	3.42	3.62
θ (75°)	4.09	4.04	3.15	3.25	3.55	2.88	2.27	2.62	3.07	3.44	5.48	4.64	[5.56]	5.12	5.18	4.67	3.98	2.91	1.65	1.69	2.78	3.76	3.58	3.87	4.09
θ (90°)	2.66	3.73	1.49	2	2.84	3.55	2.89	1.21	0.86	1.47	2.34	3.04	3.81	4.81	4.61	4.61	3.78	1.41	-0.74	-0.14	2.11	4.11	4.74	3.8	2.66
θ (105°)	1.23	2.97	-2.12	1	0.26	0.54	0.94	0.08	-0.57	0.88	2.52	1.55	2.01	3.15	2.67	2.26	0.95	-0.18	-2.33	-1.3	0.43	2.37	2.61	2.82	1.23
θ (120°)	1.05	1.66	-0.2	0.17	0.14	0.5	0.37	1.39	1.42	0.42	1.19	0.43	0.21	0.55	0.64	2.01	1.84	0.17	-1.15	0.17	0.82	0.6	0.43	0.58	1.05
θ (135°)	-1.11	-0.46	0.31	-1.09	-1.16	0.01	-0.78	-2.69	-4.53	-3.43	-1.37	-1	0.54	0.27	-0.07	1.75	2.02	-0.07	-1.26	0.65	0.96	-0.62	-1.52	-1.28	-1.11
θ (150°)	-2.67	-3.77	-2.99	-3.21	-5.99	-7.38	-6.92	-7.35	-6.44	-5.14	-4.75	-4.77	-4.03	-2.58	-2.14	-2.85	-3.43	-4.06	-5.91	-5.95	-5.39	-4.68	-3.97	-2.48	-2.67
θ (165°)	-5.27	-4.97	-5.36	-6.02	-6.83	-8.6	-9.79	-9.97	-11.65	-12.12	-9.79	-7.63	-6.81	-7.62	-10.59	-13.56	-13.84	-9.94	-7.94	-6.85	-6.41	-6.05	-6.22	-6.28	-5.27
θ (180°)	-15.97	-18.53	-25.82	-18.55	-16.21	-15.4	-14.19	-13.69	-13.43	-13.34	-14.36	-15.53	-17.04	-18.66	-20.92	-20.77	-17.36	-14.36	-13.62	-12.22	-11.11	-11.39	-12.32	-13.8	-15.97
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.77	-11.06	-14.64	-17.5	-18.07	-13.86	-12.01	-10.43	-8.52	-7.59	-7.53	-7.77	-8.84	-11.24	-15.44	-21.44	-18.12	-14.18	-11.05	-8.73	-7.49	-7.19	-7.25	-7.45	-8.77
θ (15°)	-9.05	-10.72	-13.33	-15.55	-16.96	-13.85	-10.72	-9.72	-9.19	-8.43	-7.74	-7.5	-8.4	-10.24	-12.31	-14.32	-15.05	-14.09	-12.57	-10.4	-8.44	-7.24	-7.31	-8.02	-9.05
θ (30°)	-6.13	-7.84	-11.92	-16.35	-17.01	-11.19	-9.31	-8.49	-9.06	-10.58	-11.09	-9.99	-10.58	-11.19	-11.98	-17.31	-11.7	-9.23	-8.71	-8.77	-10.01	-8.1	-6.68	-6.24	-6.13
θ (45°)	-9.81	-14.85	-8.83	-11.33	-13.74	-9.38	-8.03	-8.49	-9.72	-15.46	-16.18	-15.77	-13.52	-12.64	-15.66	-14.1	-9.91	-10.17	-12.19	-12.57	-9.9	-8.14	-8.29	-8.75	-9.81
θ (60°)	-11.85	-18.5	-11.64	-19.73	-12.92	-7.74	-7.52	-9.85	-11.76	-13.62	-18.03	-13.52	-14.82	-10.79	-9.98	-13	-12.17	-12.86	-14.71	-11.86	-11.98	-10.01	-9.4	-8.67	-11.85
θ (75°)	-8.85	-13.39	-11.84	-17.47	-14.91	-8.39	-6.78	-7.93	-11.74	-11.11	-13.6	-11.63	-9.29	-7.94	-9.49	-9.7	-10.14	-10.66	-6.97	-8.15	-8.91	-6.65	-8.06	-8.43	-8.85
θ (90°)	-8.65	-18.47	-10.2	-11.18	-21.45	-14.93	-12.72	-8.52	-11.83	-15.15	-13.19	-7.97	-9.68	-6.8	-10.91	-8.22	-8.11	-7.56	-4.95	-7.08	-9.91	-6.66	-10.38	-9.61	-8.65
θ (105°)	-8.44	-14.66	-7.06	-7.1	-11.08	-8.28	-7.22	-7.9	-13.33	-11.1	-11.64	-16.39	-11.81	-7.55	-8.99	-8.71	-6.23	-5.41	-4.9	-8.2	-8.92	-8.52	-9.47	-9.29	-8.44
θ (120°)	-9.17	-17.26	-7.54	-4.21	-8.34	-9.11	-7.19	-8.55	-10.07	-13.73	-11.44	-10.44	-16.45	-8.8	-8.38	-10.56	-6.95	-6.98	-7.66	-9.69	-10.01	-12.17	-12.78	-8.82	-9.17
θ (135°)	-7.69	-18.18	-6.22	[2.60]	-5.98	-10.48	-8.16	-6.83	-7.3	-8.37	-8.95	-11.7	-6.92	-4.85	-9.4	-14.72	-10.27	-11.28	-11.08	-9.8	-7.77	-10.58	-7.61	-7.22	-7.69
θ (150°)	-8.34	-10.53	-8.36	-4.98	-5.81	-11.41	-21.96	-13.76	-11.48	-12.36	-11.23	-10.01	-7.53	-4.81	-5.7	-9.08	-10.18	-9.11	-7.86	-8.19	-9.4	-11.77	-12.75	-10.33	-8.34
θ (165°)	-17.2	-12.95	-8.71	-6.28	-6.56	-9.28	-11.72	-12.55	-12.07	-8.89	-7.83	-8.07	-10.24	-11.81	-10.23	-9.67	-8.14	-6.72	-6.5	-7.52	-9.02	-10.88	-14.82	-18.03	-17.2
θ (180°)	-13.91	-13.61	-14.02	-14.16	-15.92	-17.75	-17.31	-19.36	-18.19	-15.93	-15.44	-14.55	-13.62	-12.69	-12.82	-13.43	-13.33	-13.55	-14.95	-17.05	-18.94	-18.95	-17.23	-15.42	-13.91

1SS																											
Freq (MHz)	2450																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-11.75	-10.05	-9.11	-8.47	-8.11	-8.18	-8.69	-10.06	-12.23	-14.54	-16.85	-16.09	-13.12	-11	-9.76	-9.26	-8.84	-9.13	-9.77	-10.16	-11.53	-14.64	-16.93	-13.92	-11.75		
θ (15°)	-9.79	-10.24	-8.88	-7.26	-6.8	-6.77	-6.33	-6.33	-6.56	-6.32	-6.45	-6.81	-6.05	-4.47	-3.57	-4.13	-5.25	-5.8	-5.44	-4.69	-4.39	-4.48	-5.42	-7.3	-9.79		
θ (30°)	-6.94	-6.59	-5.39	-6.52	-6.75	-3.52	-1.91	-2.12	-3.03	-3.6	-2.13	-1.32	-1.84	-0.68	-0.59	-2.61	-5.12	-7.03	-8.48	-6.81	-4.24	-2.19	-2.37	-4.36	-6.94		
θ (45°)	-0.05	-1.62	-1.53	3.23	4.78	5.06	4.84	4.29	3.61	2.02	0.4	1.99	1.35	1.12	-0.64	-0.75	0.02	0.05	1.34	2.41	2.96	3.05	1.57	0.37	-0.05		
θ (60°)	2.61	2.22	1.98	4.11	4.3	2.77	2.73	3.36	3.53	4.45	4.54	3.34	3.67	2.94	2.86	2.86	1.83	2.51	3.4	3.17	3.19	3.62	2.79	2.99	2.61		
θ (75°)	2.66	3.76	2.62	2.49	2.47	1.55	1.65	1.53	1.56	2.97	[5.25]	3.24	5.05	4.31	4.97	4.03	3.93	3.32	2.03	1.93	2.78	3.62	2.76	3.48	2.66		
θ (90°)	2.22	3	1.59	1.77	2.22	3.13	2.72	1.44	0.64	1.08	3.02	2.52	4.42	4.49	5.21	4.67	4.21	1.42	-1.28	-0.5	1.99	3.92	3.85	3.15	2.22		
θ (105°)	1.69	3.21	-2.2	1.39	1.26	1.14	1.1	0.03	-0.19	0.99	1.87	2.13	2.98	3.43	3.59	2.07	1.8	0.02	-2.99	-2	0.81	2.6	2.7	2.98	1.69		
θ (120°)	1.39	2.1	0.14	-0.94	2	1.99	1.07	1.1	1.05	1.86	1.99	1.04	1.17	0.62	1.87	2.04	1.38	1.15	-0.5	0.61	1.89	2.26	1.73	2.47	1.39		
θ (135°)	-0.79	0.39	0.39	-1.53	-0.11	0.67	-0.7	-2.34	-2.91	-2.41	-0.78	-0.27	0.84	0.19	0.32	2.01	1.8	-0.28	-2.06	-0.01	1.01	0.08	-0.06	0.32	-0.79		
θ (150°)	-3.07	-4.66	-3.35	-3.77	-7.8	-7.12	-6.47	-6.86	-5.81	-4.27	-3.37	-3.64	-3.04	-2.7	-2.39	-2.5	-2.22	-2.83	-4.7	-6.49	-5.93	-5.35	-3.25	-2.01	-3.07		
θ (165°)	-7.17	-7.11	-8.04	-7.83	-8.17	-9.65	-10.11	-11.06	-11.56	-9.98	-7.86	-6.51	-6.42	-8.25	-13.06	-20.67	-12.69	-8.57	-7.69	-7.15	-6.65	-6.93	-7.65	-8.01	-7.17		
θ (180°)	-17.9	-21.44	-19.84	-18.9	-17.5	-14.58	-13.73	-14.42	-15.03	-15.09	-15.2	-16.13	-18.08	-21.51	-20.16	-18.45	-19.72	-20.11	-15.81	-13.51	-13.66	-13.64	-13.53	-14.41	-17.9		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-9.91	-10.88	-11.88	-14.13	-18.54	-17.84	-13.56	-10.49	-9.42	-9.33	-8.81	-8.42	-9.15	-10.51	-11.84	-13.76	-16.49	-15	-13.35	-10.54	-9.01	-8.93	-8.38	-8.34	-9.91		
θ (15°)	-10.78	-12.92	-17.41	-18.61	-13.75	-11.57	-11.55	-11.09	-10.58	-10.09	-8.83	-7.94	-7.95	-8.49	-9.42	-11.18	-13.78	-15.9	-15.24	-11.79	-8.74	-7.95	-8.59	-9.37	-10.78		
θ (30°)	-8.44	-11.1	-18.18	-15.53	-10.37	-8.94	-8.53	-8.82	-9.51	-10.41	-10.88	-9.17	-7.76	-8.16	-9.58	-14.41	-14.94	-10.72	-10.14	-11.85	-14.06	-8.59	-6.48	-7.8	-8.44		
θ (45°)	-11.86	-13.36	-9.75	-10.86	-10.7	-10.88	-10.62	-11.98	-13.97	-16.52	-12.95	-13.12	-9.23	-8.79	-11.61	-16.11	-9.11	-8.61	-10.83	-13.34	-15.62	-10.32	-7.46	-9.2	-11.86		
θ (60°)	-14.12	-16.82	-11.39	-14.65	-11.88	-8.92	-9.24	-10.87	-14.56	-14.91	-14.28	-12.49	-10.04	-8.49	-8.99	-12.95	-12.87	-13.78	-10.83	-9.62	-11.61	-10.52	-8.8	-10.17	-14.12		
θ (75°)	-11	-13.09	-13.64	-16.54	-10.98	-10.68	-7.77	-8.35	-16.23	-16.06	-13.83	-11.57	-7.92	-9.1	-9.57	-10	-10.55	-11.84	-7.91	-8.06	-10.17	-8.24	-8.79	-8.97	-11		
θ (90°)	-8.68	-19.12	-11.12	-13.38	-13.17	-16.88	-11.41	-6.79	-9.57	-19.93	-14.37	-8.43	-10.23	-8.5	-10.5	-10.46	-8.66	-8.74	-6.87	-8.23	-12.71	-8.41	-10.08	-10.46	-8.68		
θ (105°)	-8.73	-15.8	-8.32	-10.02	-9.51	-11.26	-11.15	-10.75	-16.98	-16.98	-10.85	-13.78	-13.6	-8.71	-8.67	-11.23	-6.82	-6.54	-5.66	-10.43	-10.43	-9.23	-9.99	-10.46	-8.73		
θ (120°)	-9.02	-18.89	-7.61	-5.24	-10.05	-11.95	-12.29	-11.87	-12.42	-15.25	-10.99	-10.66	-19.91	-9.29	-8.12	-13.6	-9.64	-9.54	-8.29	-11.2	-11.53	-14.73	-9.82	-8.83	-9.02		
θ (135°)	-8.57	-23.83	-6.7	[-4.24]	-8.02	-11.45	-9.91	-7.38	-7.5	-8.14	-9.15	-15.78	-6.94	-4.8	-8.76	-17.13	-12.56	-11.16	-8.91	-8.2	-10.29	-15.13	-7.67	-6.99	-8.57		
θ (150°)	-7.77	-11.27	-8.32	-5.63	-6.51	-11.05	-18.02	-10.77	-9.85	-11.42	-10.95	-10.4	-6.14	-4.33	-5.38	-8.02	-8.56	-7.6	-7.3	-7.97	-10.76	-18.72	-12.48	-7.87	-7.77		
θ (165°)	-17.12	-14.08	-9.22	-6.91	-7	-7.76	-8.32	-9.39	-9.24	-8.64	-8.41	-9.05	-11.04	-9.89	-9.22	-8.58	-7.16	-6.34	-7	-7.42	-8.63	-12.89	-20.1	-19	-17.12		
θ (180°)	-14.72	-14.26	-13.7	-14.52	-17.04	-16.78	-19.91	-22.78	-20.15	-20.37	-20.32	-18.56	-16.48	-14.45	-13.03	-12.95	-15.41	-16.09	-14.67	-17.42	-19.29	-19.88	-22.34	-18.61	-14.72		



1SS																											
Freq. (MHz)	5150																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-11.07	-11.64	-10.54	-9.31	-8.33	-7.84	-7.78	-7.05	-7.39	-8.19	-9.39	-10.45	-11.33	-11.55	-11.19	-10.62	-9.05	-8.08	-7.52	-7.28	-6.98	-7.5	-8.45	-9.78	-11.07		
θ (15°)	-4.84	-5.31	-4.93	-4.29	-2.77	-1.54	-1.05	-1.86	-3.72	-6.19	-4.7	-3.6	-4.73	-6.07	-7.9	-8.42	-7.64	-7.43	-8.2	-7.54	-5.37	-4.35	-3.31	-3.46	-4.84		
θ (30°)	4.39	3.44	3.27	2.3	2.45	2.28	2.54	2.34	1.89	2.18	-0.11	0.95	1.19	-0.15	1.38	1.89	1.34	0.52	0.34	0.61	0.23	0.31	1.28	2.25	4.39		
θ (45°)	1.01	3.28	4.41	5.47	4.23	3.84	3.14	3.22	4.22	3.98	3.12	1.82	0.35	2.01	2.91	3.28	2.9	0.74	-1.15	-0.81	3.15	4.11	2.79	1.8	1.01		
θ (60°)	3.95	6.01	6.27	5.51	4.43	4.67	4.77	4.6	5.34	6.02	6.73	5.78	5.49	7	6.49	4.88	4.35	3.86	3.29	3.15	3.62	4.97	5.69	5.02	3.95		
θ (75°)	4.09	5.79	5.3	5.45	5.08	4.58	4.68	6.07	6.2	7.31	6.99	6.16	5.04	6.09	6.59	5.45	4.96	4.61	5.03	4.64	3.75	5.38	4.9	5.35	4.09		
θ (90°)	5.21	6.84	6.42	5.82	4.66	4.42	5.37	5.36	5.1	6.05	6.16	6	5.41	6.29	5.7	4.14	3.66	3.87	4.5	5.84	4.6	6.66	6.03	6.88	5.21		
θ (105°)	4.65	6.38	5.55	5.57	5.08	5.44	4.32	4.37	6.11	6.35	[7.69]	6.7	5.44	6.4	7.03	5.01	2.1	3.09	3.64	3.4	4.61	7.05	6.52	6.42	4.65		
θ (120°)	0.98	3.86	3.77	3.12	1.34	-0.53	0.02	1.53	3.23	3.12	4.8	4.38	1.91	4.33	4.42	5.29	4.1	2.85	1.87	1.74	2.21	2.78	3.78	1.14	0.98		
θ (135°)	1.55	1.74	1.85	1.04	-0.02	0.53	0.58	0.65	-0.1	1.75	0.6	-0.72	-5.03	1.48	2.1	1.33	0.24	1.45	1.89	0.02	1.21	2.67	3.01	3.05	1.55		
θ (150°)	-1.45	-1.05	-2.63	-2.15	-3.06	-4.2	-8.6	-10.67	-8.73	-6.56	-4.83	-5.28	-4.08	-5.22	-4.73	-3.53	-4.03	-5.91	-6.81	-6.49	-5.72	-0.35	-1.97	-2.69	-1.45		
θ (165°)	-7.21	-8.54	-10.91	-13.36	-9.11	-7.81	-6.8	-6.58	-5.85	-5.45	-6.69	-8.31	-6.19	-4.08	-3.58	-3.44	-4.49	-5.46	-5.82	-5.25	-5.77	-5.43	-4.8	-5.18	-7.21		
θ (180°)	-13.18	-13.33	-13.92	-15.12	-15.92	-14.23	-13.65	-12.71	-12.15	-11.94	-11.21	-10.81	-10.53	-11.28	-12.52	-14.75	-17.08	-13.88	-12.86	-11.75	-11.42	-10.41	-11.41	-11.17	-13.18		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-8.14	-7.35	-7.72	-8.1	-9.4	-10.69	-12.1	-12.08	-12.18	-10.4	-9.36	-8.22	-7.92	-7.79	-7.68	-7.8	-9.18	-10.7	-11.09	-11.52	-12.03	-10.43	-8.58	-8.04	-8.14		
θ (15°)	-7.37	-5.68	-4.37	-2.83	[-2.82]	-4.6	-7.14	-10.88	-11.96	-11.41	-13.35	-11.18	-11.94	-13.87	-13.95	-11.79	-8.59	-6.65	-5.48	-5.88	-7.41	-10.19	-10.3	-9.83	-7.37		
θ (30°)	-8.6	-8.71	-8.7	-6.75	-6.5	-6.5	-7.55	-11.39	-12.15	-13.04	-11.97	-12.39	-14.98	-12.23	-13.99	-7.22	-8.47	-10.4	-9.66	-8.42	-7.16	-7.1	-9.9	-11.59	-8.6		
θ (45°)	-7.16	-5	-3.35	-5.02	-9.44	-9.46	-8.28	-11.9	-15.54	-7.01	-7.93	-11.74	-10.08	-10.27	-8.13	-10.37	-10.53	-12.58	-10.99	-7.71	-4.21	-6.54	-9.93	-7.24	-7.16		
θ (60°)	-14.3	-11.94	-12.38	-13.21	-9.27	-10.98	-10.64	-11.36	-7.82	-7.72	-8.95	-9.13	-10.2	-9.8	-11.27	-12.47	-12.71	-11.65	-12.98	-10.47	-8.53	-9.68	-7.34	-7.89	-14.3		
θ (75°)	-10.95	-11.28	-6.98	-4.33	-4.73	-7.62	-8.82	-10.02	-10.09	-8.79	-12.66	-11.03	-13.49	-14.53	-13.95	-11.38	-12.72	-10.07	-12.26	-15.67	-11.86	-11.93	-14.33	-12.22	-10.95		
θ (90°)	-10.68	-10.11	-11.25	-10.11	-11.04	-9.79	-14.82	-13.28	-15.21	-15.91	-13.92	-14.27	-11.32	-13.3	-12.5	-11.81	-11.25	-9.31	-8.82	-12.79	-7.81	-13.75	-10.05	-14.27	-10.68		
θ (105°)	-12.02	-11.82	-8.8	-8.31	-9.06	-8.75	-10.34	-15.73	-10.86	-11.08	-14.28	-15.6	-15.74	-16.23	-9.21	-12.79	-13.2	-15.87	-11.27	-17.45	-16.3	-10.67	-11.42	-8.92	-12.02		
θ (120°)	-13.39	-15.74	-10.19	-9.83	-11.5	-8.81	-7.09	-8.18	-8.86	-9.78	-8.45	-11.11	-11.3	-11.14	-7.29	-9.35	-11.36	-8.27	-10.26	-12.09	-12.37	-15.6	-14.3	-16.11	-13.39		
θ (135°)	-14.05	-12.37	-12.05	-12.03	-14.91	-14.95	-16.45	-15.15	-11.69	-15.13	-11.81	-9.25	-12.19	-11.82	-11.21	-12.83	-9.91	-8.58	-12.85	-7.91	-12.68	-10.17	-10.13	-13.08	-14.05		
θ (150°)	-10.29	-12.96	-7.54	-10.77	-10.08	-9.05	-7.55	-7.48	-11.58	-10.09	-9.9	-11.56	-11.06	-8.77	-13.2	-11.46	-13.7	-7.79	-7.8	-11.29	-9.29	-8.78	-9.08	-9.18	-10.29		
θ (165°)	-8.77	-10.76	-8.74	-8.63	-9.74	-7.82	-7.53	-9.23	-11.85	-11.86	-10.54	-10.27	-10.24	-8.32	-5.2	-4.7	-5.59	-6.12	-7.25	-9.72	-9.44	-10.39	-11.37	-11.29	-8.77		
θ (180°)	-14.42	-13.64	-12.26	-11.57	-12.17	-12.51	-12.72	-12.84	-14.06	-15.07	-16.4	-13.57	-11.76	-10.94	-11.14	-10.63	-9.77	-9.42	-9.78	-10.27	-11.4	-14.02	-14.78	-13.82	-14.42		

1SS																									
Freq. (MHz)	5250																								
Polarity	Theta																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	-11.21	-10.69	-9.56	-8.65	-7.78	-6.5	-6.5	-6.94	-7.85	-8.5	-10.84	-12.06	-11.51	-11.45	-10	-8.98	-7.35	-6.44	-6.21	-6.56	-7.18	-8.46	-10.19	-10.51	-11.21
θ (15°)	-1	-1.76	-2.22	-2.78	-3.02	-3	-3.16	-4.03	-4.61	-5	-5.33	-4.99	-4.83	-5.87	-6.26	-5.23	-4.31	-4.61	-4.7	-4.4	-3.33	-2.08	-1.09	-0.6	-1
θ (30°)	4.94	4.65	4.14	2.7	2.74	2.08	1.44	0.47	0.35	-0.36	0.18	0.67	1.02	0.37	1.53	1.72	0.82	-1.06	-1.79	-1.28	-0.69	-1.68	0.74	2.26	4.94
θ (45°)	-0.13	2.17	4.31	4.61	3.36	2.78	1.16	2.09	2.83	3.01	2.88	2.34	1.58	1.64	2.8	3.48	3.29	2.31	1.07	1.24	3.09	4.01	3.22	1.71	-0.13
θ (60°)	5.22	5.25	5.46	5.11	5.18	5.51	5.84	5.34	5.42	5.74	6.09	5.48	6.05	6.05	5.88	5.16	4.67	5.46	4.45	3.82	4.42	3.46	4.4	4.22	5.22
θ (75°)	3.9	5.34	5.43	5.46	4.93	5.03	5.16	6.17	6.62	6.25	6.45	5.93	5.39	5.19	5.66	4.99	5.09	5.68	5.75	4.92	4.03	5.32	4.87	4.76	3.9
θ (90°)	4.44	7.02	6.9	5.86	4.89	4.37	5.79	5.49	5.34	6.24	6.4	5.98	6.04	5.8	5.95	4.73	3.99	4.26	5.28	6.36	4.57	6.49	6.23	6.75	4.44
θ (105°)	4.35	6.1	5.4	5.55	5.49	5.8	5.1	4.84	6	6.07	[7.58]	7.33	6.54	5.97	6.98	5.7	3.23	4.4	3.92	4.45	4.67	6.83	6.96	6.6	4.35
θ (120°)	1.28	4.9	3.78	2.94	2.17	0.11	0.18	0.98	3.05	3.66	4.23	5.06	2.35	4.7	4.18	4.84	4	2.72	1.97	1.88	2.45	2.42	3.26	1.8	1.28
θ (135°)	1.99	1.98	1.26	1.72	0.22	1.05	1.18	1.41	0.27	2.06	0.91	0.39	-4.66	1.3	2.78	0.97	0.29	1.27	1.54	-0.01	1.11	2.43	3.64	4.31	1.99
θ (150°)	0.11	-0.27	-2.24	-2.41	-3.14	-4.58	-7.54	-8.78	-7.1	-6.25	-3.65	-3.67	-2.34	-3.58	-3.94	-2.4	-3.23	-5.04	-5.16	-4.88	-5.37	-0.59	-1.84	-2.89	0.11
θ (165°)	-5.61	-9.57	-14.46	-10.65	-8.11	-6.22	-5.38	-4.97	-4.18	-4.09	-5.8	-7.35	-6.54	-3.7	-2.16	-1.83	-2.17	-3.08	-3.87	-3.85	-4.24	-4.74	-4.84	-4.49	-5.61
θ (180°)	-14.12	-12.8	-14.05	-15.05	-14.84	-14.33	-13.06	-12.79	-11.95	-11.46	-11.4	-11.73	-11.47	-12.11	-15.02	-16.34	-16.13	-14.45	-12.29	-12.77	-11.97	-12.09	-11.49	-11	-14.12
Polarity	Phi																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	-6.73	-6.89	-7.91	-9.03	-10.73	-11.93	-12.41	-11.27	-10.37	-8.59	-7.68	-6.93	-6.67	-6.89	-7.63	-9.16	-11.12	-11.46	-11.33	-11.45	-10.51	-9.05	-7.96	-7.18	-6.73
θ (15°)	-6.22	-5.07	-2.59	[-1.50]	-1.98	-4.34	-7.65	-10.07	-10.95	-10.43	-10.92	-10.22	-8.95	-9.62	-10.82	-12.16	-9.95	-7.11	-5.54	-4.74	-6.5	-8.43	-6.91	-6.01	-6.22
θ (30°)	-9.01	-8.21	-7.6	-7.05	-6.01	-6.34	-6.38	-10.37	-10.03	-11.82	-10.05	-12.13	-13.86	-12.04	-13.41	-8.21	-8.55	-10.23	-9.53	-8.57	-7.7	-7.01	-9.88	-8.77	-9.01
θ (45°)	-6.79	-3.86	-1.99	-2.82	-8	-10.02	-7.38	-10.19	-14.22	-6.7	-7.63	-8.67	-9.99	-9.87	-8.29	-9.88	-9.88	-10.69	-8.6	-6.66	-4.56	-5.83	-7.38	-7.48	-6.79
θ (60°)	-11.5	-9.78	-11.91	-10.65	-8.82	-8.53	-8.76	-9.84	-6.54	-5.93	-10.29	-9.71	-11.85	-9.6	-10.26	-9.26	-9.61	-9.64	-10.45	-8.24	-7.43	-10.05	-6.72	-7.5	-11.5
θ (75°)	-8.93	-11.96	-5.77	-2.66	-3.53	-4.8	-7.63	-9.59	-9.53	-9.44	-9.8	-10.33	-9.98	-11.8	-18.68	-9.54	-9.13	-8.05	-11.5	-11.11	-11.04	-12.08	-11.12	-10.06	-8.93
θ (90°)	-11.07	-8.79	-7.55	-6.66	-8.35	-8.63	-12.47	-12.57	-11.02	-10.14	-10.88	-12.67	-10.18	-10.5	-13.26	-11.39	-8.35	-8.33	-8.42	-11.26	-6.63	-12.23	-8.64	-11.62	-11.07
θ (105°)	-11.46	-12.64	-8.02	-8.9	-8.7	-7.34	-9.95	-13.07	-12.62	-9.34	-11.1	-12.26	-15	-13.64	-7.93	-11.33	-11.97	-11.91	-10.83	-14.87	-14.49	-9.29	-10.13	-7.89	-11.46
θ (120°)	-12.35	-13.72	-8.48	-8.5	-10.62	-7.1	-5.58	-7.64	-7.04	-8.31	-7.39	-11.52	-10	-9.63	-6.03	-7.55	-9.46	-7.32	-9.44	-11.15	-11.54	-13.37	-12.17	-14.2	-12.35
θ (135°)	-12.63	-10.62	-12.82	-12.21	-15.67	-18.79	-11.93	-16.03	-11.07	-13.52	-11.44	-7.88	-9.62	-8.54	-10.13	-11.53	-7.03	-7.57	-12.46	-7.61	-9.48	-7.89	-7.94	-9.91	-12.63
θ (150°)	-11.94	-11.65	-7.02	-9.11	-10.24	-12.55	-8.22	-8.9	-11.47	-8.48	-7.69	-8.42	-9.98	-7.97	-10.64	-10.88	-11.46	-10.42	-8.74	-10.7	-9.1	-8.44	-7.75	-7.47	-11.94
θ (165°)	-10.31	-9.77	-9.42	-10.18	-10.38	-8.93	-8.97	-10.06	-9.34	-8.58	-12.81	-11.61	-8.72	-7.21	-4.14	-3.27	-4.37	-5.25	-7.41	-8.14	-8.09	-8.44	-9.86	-11.53	-10.31
θ (180°)	-13.14	-11.6	-12.55	-12.01	-12.73	-12.35	-12.32	-12.77	-13.47	-14.97	-15.3	-16.44	-14.24	-13.01	-13.01	-11.95	-10.94	-10.68	-10.33	-11.65	-12.57	-12.76	-15.81	-14.38	-13.14

1SS																									
Freq. (MHz)	5350																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.82	-8.33	-7.43	-6.58	-6.21	-6.52	-6.5	-6.47	-6.98	-8.07	-8.14	-9.05	-8.41	-7.59	-7	-6.34	-5.92	-6.17	-6.37	-6.43	-7.19	-8.11	-9.13	-9.48	-8.82
θ (15°)	-0.01	-0.36	-1.29	-2.3	-3.15	-3.95	-4.85	-5.56	-5.98	-5.51	-5.2	-4.33	-3.06	-2.98	-4.46	-4.85	-3.71	-3.14	-3	-2.94	-2.74	-2.31	-0.9	-0.12	-0.01
θ (30°)	2.53	3.09	2.93	2.31	1.99	1.86	0.88	-0.4	0.95	0.18	1.02	-0.08	-1.7	0.72	1.21	1.08	0.58	-0.27	-2.75	-3.48	-2.64	-3.2	-1.19	0.03	2.53
θ (45°)	-0.34	2.11	4.25	4.08	1.93	-0.36	0.76	1.61	1.52	2.69	3.4	3.59	1.97	2.73	2.77	2.88	3.44	3.21	2.63	3.1	3.11	3.96	2.92	1.58	-0.34
θ (60°)	4.6	4.98	4.91	3.3	3.55	4.89	5.25	5.35	3.99	6.51	6.9	5.86	3.94	5.38	6.53	5.58	4.49	3.57	3.5	3.3	4.05	3.73	4.64	3.78	4.6
θ (75°)	3.99	5.3	4.67	4.32	4.62	5.36	5.62	5.7	5.4	5.96	6.2	5.98	4.05	5.01	5.99	4.7	3.9	4.39	5.48	4.75	4.36	5.78	5.6	4.5	3.99
θ (90°)	4.47	6.91	6.79	5.34	4.47	5.48	6.96	5.5	5.48	5.83	6.75	6.56	6.26	6.5	6.92	4.97	4.08	4.23	4.17	5.98	5.35	6.46	7.21	6.6	4.47
θ (105°)	3.61	6.13	5.36	5.55	5.45	6.11	4.66	4.07	6.41	6.42	[7.72]	7.68	6.37	7.15	7.35	5.65	3.94	5.02	4.09	3.91	3.73	6.91	6.87	5.9	3.61
θ (120°)	2.09	5.15	4.18	2.56	1.84	-0.1	-0.88	0.09	2.67	3.9	4.19	4.96	0.99	4.78	4.28	5.13	3.31	1.59	1.01	0.81	1.88	3.24	3	1.48	2.09
θ (135°)	2.03	2.6	2.14	1.4	-0.67	-0.26	1.25	2.31	0.95	2.81	2.12	1.05	-1.83	0.43	3.97	1.7	0.69	1.32	1.75	0.57	1.16	2.88	4.2	4.24	2.03
θ (150°)	-0.28	0.07	-1.56	-1.77	-1.9	-3.5	-5.93	-8.11	-4.74	-7.08	-3.11	-3.11	-2.43	-3.48	-3.47	-2.58	-2.64	-5.31	-3.37	-3.29	-4.74	-0.86	-0.99	-3.18	-0.28
θ (165°)	-5.54	-9.86	-12.32	-8.5	-6.53	-4.73	-3.68	-3.47	-2.73	-2.62	-4.8	-6.92	-5.25	-2.98	-1.69	-1.23	-1.75	-2.17	-2.91	-3.05	-3.22	-3.98	-4.45	-4.81	-5.54
θ (180°)	-11.13	-10.72	-11.45	-12.51	-12.51	-12.73	-11.97	-11.08	-10.76	-10.41	-10.32	-10.15	-10.13	-10.77	-12.06	-13.55	-14.46	-11.83	-10.51	-10.31	-9.67	-10.59	-10.02	-11.05	-11.13
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-6.27	-6.56	-6.79	-8	-9.49	-9.63	-9.06	-8	-7.56	-6.84	-6.51	-6.31	-6.25	-6.5	-7.08	-8.03	-9.31	-9.58	-9.57	-8.36	-7.53	-6.18	-6.43	-5.99	-6.27
θ (15°)	-4.88	-4.03	-1.77	[-1.24]	-2.54	-5.7	-7.95	-8.45	-8.16	-7.98	-9.35	-12.68	-9.86	-7.58	-7.67	-8.98	-11.26	-10.34	-6.76	-6.02	-6.17	-6.55	-4.54	-4.05	-4.88
θ (30°)	-10.26	-7.39	-6.33	-4.37	-4.16	-5.17	-6.4	-10	-8.36	-8.78	-8.08	-14.92	-16.15	-11.24	-10.64	-6.93	-6.61	-8.62	-9.71	-10.34	-8.41	-8.28	-9.61	-6.98	-10.26
θ (45°)	-8.25	-3.05	-1.49	-2.26	-6.89	-12.15	-7.7	-10.32	-9.19	-7.88	-6.86	-9.44	-9.63	-10.05	-8.92	-7.87	-10.04	-8.72	-7.04	-5.94	-4.63	-3.99	-6.69	-8.81	-8.25
θ (60°)	-10.14	-9.53	-12.79	-9.07	-9.3	-8.09	-10.93	-9.66	-8.01	-4.58	-7.63	-10.68	-11.66	-11.48	-9.79	-6.94	-7.52	-7.81	-9.42	-9.13	-9.24	-11.54	-7.23	-9.49	-10.14
θ (75°)	-9.47	-11.92	-5.75	-2.01	-2.18	-4.79	-7.75	-11.63	-8.46	-8.95	-9.35	-11.15	-8.92	-12.35	-16.18	-9.62	-8.18	-6.92	-8.89	-9.68	-9.81	-8.01	-9.5	-8.8	-9.47
θ (90°)	-12.23	-10.18	-6.88	-6.02	-6.05	-7.95	-13.21	-12.28	-8.55	-7.51	-6.8	-12.29	-10.58	-9.35	-13.93	-10.91	-8.21	-7.36	-8.87	-11.6	-4.99	-12.12	-8.24	-9.36	-12.23
θ (105°)	-9.59	-12.37	-7.15	-7.8	-8.47	-7.23	-9.68	-12.89	-15.16	-8.1	-7.93	-14.61	-14.54	-11.43	-7.88	-10.4	-11.81	-12.7	-10.52	-11.4	-12.99	-7.5	-9.09	-8.11	-9.59
θ (120°)	-10.86	-14	-7.11	-8.54	-8.33	-7.4	-5.64	-7.8	-8.18	-7.78	-7.15	-10.61	-6.87	-11.09	-5.56	-6.3	-7.2	-5.72	-8.36	-8.96	-10.74	-11.42	-11.92	-12.45	-10.86
θ (135°)	-12.29	-10.28	-11.96	-10.8	-11.74	-15.17	-10.21	-11.3	-15.56	-12.13	-8.61	-7.58	-6.91	-9.42	-9.17	-10.52	-6.74	-7.85	-11.9	-6.88	-8.45	-7.54	-7.26	-9.23	-12.29
θ (150°)	-11.58	-13.26	-7.98	-8.75	-10.08	-11.01	-7.23	-7.59	-11.97	-7.5	-7.43	-7.25	-10.05	-9.38	-11.28	-8.73	-10.56	-10.22	-7.89	-9.75	-7.65	-7.69	-7.14	-7.08	-11.58
θ (165°)	-8.99	-9.83	-11.11	-9.36	-9.64	-9.49	-8.75	-9.02	-7.16	-7.42	-10.18	-11.53	-8.18	-6.77	-4.15	-3.68	-4.87	-6.23	-7.84	-8.51	-7.21	-7.66	-10.03	-13.06	-8.99
θ (180°)	-11.31	-10.82	-9.65	-10.45	-10.68	-11.19	-10.36	-10.33	-10.67	-12.15	-14.51	-14.49	-14.99	-13.26	-12.06	-11	-10	-9.4	-10.14	-10.08	-10.38	-11.95	-12.59	-12.53	-11.31

1SS																											
Freq. (MHz)	5470																										
Polarity	Theta																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-7.07	-7.02	-6.33	-6.32	-6	-6.12	-6.12	-6.14	-6.15	-6.1	-6.28	-6.65	-6.92	-6.35	-6.18	-5.99	-6	-6.52	-6.28	-6.16	-5.88	-5.88	-6.02	-6.57	-7.07		
θ (15°)	-0.66	-1.21	-2.33	-2.75	-2.64	-3.2	-3.42	-3.74	-4.43	-2.99	-2.22	-3.24	-3.04	-1.56	-1.9	-3.03	-2.4	-1.56	-1.18	-0.86	-0.45	-0.17	-0.3	-0.2	-0.66		
θ (30°)	-3.52	-1.08	-0.08	0.04	0.5	0.26	-1.29	0.58	2.12	1.48	2.34	0.44	-2.17	0.98	0.29	0	0.29	-0.35	-2.27	-6	-6.8	-4.83	-4.49	-5.83	-3.52		
θ (45°)	1.46	2.78	3.29	2.73	1.24	0.55	2.81	3.47	2.45	3.61	4.14	4.36	3.84	5.12	3.9	2.38	2.24	2.26	2.87	3.43	3.17	2.98	2.84	2.31	1.46		
θ (60°)	2.93	4.67	3.96	2.77	4.34	4	4.54	4.39	4.29	6.92	5.91	5.82	1.58	4.14	5.78	5.62	3.71	4.28	4.29	3.2	2.3	3.89	4.11	3.71	2.93		
θ (75°)	3.47	5.26	5.56	4.81	3.57	4.75	6.06	4.46	4.85	6.01	6.57	5.89	4.73	6.23	5.58	4.61	3.13	4.44	5.15	5.38	4.51	5.83	6.3	5.04	3.47		
θ (90°)	4	6.71	7	5.26	4.24	6.08	6.6	5.15	5.02	6.06	7.49	7.28	5.94	[8.05]	7.41	5.82	4.53	4.99	4.96	5.45	5.39	5.55	7.76	6.64	4		
θ (105°)	3.1	5.73	5.7	6.07	4.76	5.12	3.39	4.77	6.59	6.67	7.87	7.26	6.38	7.71	7.25	5.55	4.6	5.74	4.67	4.31	3.01	6.39	6.86	4.89	3.1		
θ (120°)	1.69	4.97	4.75	2.34	1.73	0.01	-0.85	1.13	3.03	3.59	3.72	4.35	-0.47	4.3	4.27	4.46	1.31	0.69	-0.05	0.12	-0.03	3.44	3.42	2.86	1.69		
θ (135°)	1.43	2.39	2.77	2.21	0.71	0.95	1.39	2.22	2.41	3.05	2.95	0.83	0.33	1.76	3.82	2.28	0.9	0.88	0.89	0.81	1.12	2.93	3.97	4.95	1.43		
θ (150°)	-1.71	-0.77	-2.07	-1.14	-1.53	-3.23	-4.88	-6.93	-6.1	-6.05	-4.09	-4.5	-2.86	-2.37	-3.62	-3.29	-1.7	-4.16	-3.31	-2.85	-2.84	0.38	0.18	-5.04	-1.71		
θ (165°)	-4.63	-8.74	-11.03	-8.15	-6.75	-4.88	-3.84	-3.25	-1.98	-1.64	-3.89	-7.78	-6.32	-3.22	-1.07	0.14	0.08	-0.55	-1.25	-2.19	-2.95	-3.05	-3.76	-3.71	-4.63		
θ (180°)	-9.21	-8.78	-9.63	-12.04	-12.46	-12.91	-11.96	-11.13	-10.67	-9.56	-8.46	-8.1	-8.04	-9.17	-11.04	-12.51	-13.3	-11.47	-10.84	-10.38	-9.12	-8.71	-8.44	-8.8	-9.21		
Polarity	Phi																										
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)		
θ (0°)	-6.1	-5.82	-6.37	-6.29	-6.52	-7.05	-7.27	-7.04	-6.15	-6.08	-5.82	-5.92	-6.1	-5.95	-5.52	-5.37	-5.92	-6.18	-6.89	-6.47	-6.42	-6.33	-5.94	-5.9	-6.1		
θ (15°)	-4.05	-3.6	-2.82	-2.86	-4.54	-7.53	-9.38	-7.81	-6.88	-5.94	-7.76	-10.48	-8.66	-5.09	-3.97	-5.24	-7.09	-11.01	-9.26	-7.29	-8.04	-5.59	-3.69	-3.29	-4.05		
θ (30°)	-5.84	-5.12	-3.81	-2.56	-2.57	-2.95	-4.63	-7.01	-6.05	-5.68	-5.54	-13.6	-11.55	-7.39	-5.88	-6.82	-5.39	-7.41	-8.86	-8.57	-7.23	-5.61	-6.59	-5.5	-5.84		
θ (45°)	-10.15	-4.21	[-1.66]	-2.07	-8.06	-12.93	-8.71	-8.53	-10.79	-6.25	-7.91	-9.44	-9.96	-12.99	-9.2	-7.02	-8.99	-9.74	-7.7	-5.99	-3.14	-3.83	-5.91	-8.55	-10.15		
θ (60°)	-11.15	-10.31	-12.27	-7.13	-7.31	-7.22	-8.19	-10.96	-9.53	-4.98	-5.66	-11.68	-12.68	-9.71	-9.02	-7.18	-5.92	-7.73	-9.06	-11.63	-9.51	-11.55	-8.78	-9.89	-11.15		
θ (75°)	-9.79	-12.36	-5.6	-1.74	-2.22	-4.38	-9.09	-10.9	-6.79	-9.99	-8	-11.79	-9.07	-10.92	-13.46	-12.03	-7.65	-7.4	-5.95	-9.06	-5.85	-7.28	-6.93	-9.79			
θ (90°)	-12.14	-10.23	-8.94	-6.25	-5.24	-8.77	-12.43	-12.66	-8.57	-7.62	-4.71	-10.74	-13.73	-10.81	-14.69	-12.95	-7.6	-7.03	-9.54	-12.83	-5.34	-10.11	-8.28	-7.47	-12.14		
θ (105°)	-8.76	-11.84	-8.92	-9.52	-7.68	-8.85	-11.13	-13.22	-12.45	-8.29	-7.38	-13.27	-13.8	-13.16	-7.65	-10.04	-9.36	-13.42	-9.76	-11.17	-10.32	-6.66	-7.11	-9.24	-8.76		
θ (120°)	-10.65	-14.25	-8.51	-8.95	-8.58	-7.29	-7.97	-8.7	-8.04	-10.55	-8.38	-9.54	-7.49	-10.94	-6.62	-6.85	-7.59	-6.32	-7.77	-9.61	-11.89	-10.72	-12.59	-12.86	-10.65		
θ (135°)	-12.81	-10.9	-12.2	-11.22	-10.99	-10.44	-9.47	-10.24	-15.46	-12.14	-8.76	-6.33	-8.39	-9.48	-9.76	-10.75	-9.65	-10.53	-12.3	-7.37	-9.77	-7.17	-8.52	-9.52	-12.81		
θ (150°)	-10.87	-14.24	-8.66	-8.81	-10.16	-10.12	-7.03	-7.87	-13.04	-8.67	-7.41	-8.16	-9.81	-9.07	-9.82	-11.76	-11.82	-9.22	-7.49	-9.49	-7.71	-9.85	-7.87	-7.87	-10.87		
θ (165°)	-6.9	-7.51	-9.03	-8.58	-9.11	-8.69	-8.09	-8.43	-7.27	-7.69	-9.26	-9.49	-8.34	-6.59	-3.71	-3.04	-4.62	-6.18	-8.48	-8.9	-7.81	-7.63	-10	-11.28	-6.9		
θ (180°)	-11.44	-10.72	-9.63	-9.02	-8.47	-9.53	-8.61	-9.01	-9.78	-11.51	-13.49	-15.71	-14.16	-12.63	-11.12	-9.83	-9.18	-8.94	-8.43	-8.25	-8.83	-9.59	-11.54	-11.66	-11.44		

1SS																									
Freq. (MHz)	5725																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.44	-9.34	-10.33	-12.29	-13.11	-11.47	-11.22	-10.05	-8.84	-8.09	-7.46	-7.53	-8.17	-9.11	-10.94	-12.3	-12.15	-11.65	-11.06	-10.17	-8.89	-7.54	-7.07	-7.2	-8.44
θ (15°)	-1.16	-0.77	-0.88	-1.68	-3.1	-4.94	-5.47	-4.04	-3.93	-6.09	-9	-10.41	-9.34	-6.97	-6.09	-7.92	-8.66	-8.12	-6.86	-5.89	-4.79	-3.5	-2.33	-1.78	-1.16
θ (30°)	-1.67	-3.31	-4.96	-3.94	-4.65	-3.28	-0.52	0.32	-0.67	-0.91	-2.84	-1.24	-2.98	-2.98	-3.08	-1.89	-2.3	-1.45	-0.05	1.16	1.82	1.35	-0.24	-2.73	-1.67
θ (45°)	2.61	3.09	1.68	0.42	1.41	2.65	2.35	0.87	3.45	4.44	4.49	1.62	1.03	3.22	4.46	3.36	2.58	2.85	3.34	4.1	3.38	2.25	2.97	2.44	2.61
θ (60°)	1.46	1.29	2.2	3.76	3.48	3.01	3.52	3	4.04	3.62	4.65	3.93	3.85	4.41	3.86	3.14	1.55	3.08	4.08	4.12	2.67	1.9	3.58	2.98	1.46
θ (75°)	2.47	5.75	5.74	4.61	4.21	4.76	4.84	4.02	3.96	4.87	6.14	5.94	5.74	7.11	5.87	5	3.97	4.56	4.55	4.16	4.7	5.05	5.79	3.98	2.47
θ (90°)	4.12	5.77	6.34	4.55	5.42	6.59	5.56	5.77	5.52	5.8	7.34	7.16	5.94	7.01	7.47	5.99	5.71	5.91	5.26	4.5	4.58	5.05	6.87	5.28	4.12
θ (105°)	2.72	5.57	5.75	4.57	2.49	3.65	4.78	5.81	5.77	5.87	7.41	5.58	5.57	[7.66]	6.5	5.35	4.6	4.46	5.02	3.55	1.94	5.28	5.44	4.61	2.72
θ (120°)	1.62	5.82	4.9	2.73	0.29	0.77	-1.07	-0.99	1.02	3.14	4.48	3.97	-0.73	3.11	4.62	3.4	0.62	1.84	0.84	-2.45	-0.82	3.23	2.18	2.7	1.62
θ (135°)	0.62	1.76	3.65	1.18	0.9	1.2	1.61	2.25	2.73	3.78	4.13	2.24	1.86	2.01	4.5	2.2	0.91	0.25	1.6	0.48	2.16	4.24	5.21	4.65	0.62
θ (150°)	-0.45	0.19	-3.12	-1.9	-1.14	-2.24	-5.02	-6.57	-3.86	-4.74	-4.69	-4.09	-3.5	-3.51	-2.33	-0.91	-0.28	-1.93	-4.3	-2.59	-1.48	0.55	-0.42	-0.6	-0.45
θ (165°)	-6	-5.06	-5.79	-7.29	-7.95	-5.26	-4.09	-3.33	-2.34	-2.27	-4.12	-6.37	-5.87	-2.97	-1.31	-0.56	-0.61	-1.04	-0.98	-1.3	-2.43	-2.92	-2.38	-4.15	-6
θ (180°)	-8.98	-9.91	-10.64	-12.5	-13.96	-12.56	-11.03	-9.7	-8.55	-7.75	-7.58	-6.98	-7.33	-8.98	-10.84	-12.55	-13.54	-11.95	-10.58	-8.46	-7.57	-6.57	-6.93	-7.9	-8.98
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.57	-9.4	-8.52	-8	-7.54	-7.31	-7.71	-9.18	-10.32	-12.72	-12.98	-11.73	-10.75	-9.58	-7.86	-7.14	-7.51	-7.01	-8.15	-9.18	-10.2	-11.83	-12.2	-11.11	-9.57
θ (15°)	-5.38	-4.73	-4.84	-5.09	-5.36	-6.77	-8.46	-9.04	-8.56	-7.26	-7.31	-10.02	-18.25	-9.97	-7.03	-6.85	-7.42	-9.03	-7.47	-6.28	-7.26	-8.04	-7.36	-6.19	-5.38
θ (30°)	-4.72	-3.03	-0.8	[0.50]	-0.83	-3.2	-5.57	-8.19	-8.87	-2.7	-4.1	-8.91	-12.75	-12.3	-5.2	-3.32	-4.92	-5.82	-4.45	-4.91	-3.57	-2.76	-4.07	-4.6	-4.72
θ (45°)	-12.26	-6.85	-5.17	-5.65	-11.14	-11.83	-7.62	-7.39	-7.62	-5.66	-8.85	-12.8	-14.11	-12.24	-10.16	-6.84	-9.53	-11.92	-10.73	-5.29	-3.69	-5.47	-6.03	-11.43	-12.26
θ (60°)	-9.01	-10.33	-6.99	-4.84	-6.91	-6.39	-9.94	-7.04	-8.2	-8.97	-4.57	-8.26	-10.76	-12.73	-8.17	-12.85	-5.38	-6.1	-7.48	-6.03	-8.59	-13.08	-6.71	-6.78	-9.01
θ (75°)	-11.82	-6.4	-4.96	-3.51	-3.67	-4.5	-7.52	-5.68	-7.07	-6.1	-5.58	-7.22	-11.16	-7.84	-13.31	-14.38	-11.2	-7.58	-6.5	-10.11	-7.51	-4.81	-4.3	-6.31	-11.82
θ (90°)	-8.2	-9.24	-9.19	-11.11	-7.6	-9.43	-11.81	-9.58	-9.59	-7.73	-5.17	-11.69	-13.75	-8.4	-12.14	-13.36	-8.91	-8.57	-12.56	-9.34	-7.79	-9.76	-8.15	-6.35	-8.2
θ (105°)	-6.74	-13.09	-8.71	-6.55	-7.93	-7.22	-11.38	-19.26	-12.53	-11.19	-9.97	-9.72	-11.53	-9.52	-10.35	-8.58	-10.7	-10.83	-9.51	-11.47	-7	-6.71	-6.16	-7.04	-6.74
θ (120°)	-13.26	-14.87	-8.15	-11.05	-10.5	-7.86	-8.23	-9.14	-7.32	-9.28	-8.86	-7.57	-10.27	-13.49	-8.89	-8.63	-6.92	-8.64	-8.53	-7.71	-10.91	-9.08	-12.03	-11.3	-13.26
θ (135°)	-15.04	-12.36	-10.35	-12.94	-10.37	-8.85	-9.77	-10.9	-9.9	-8.18	-9.85	-8.39	-11.51	-10.9	-12.88	-7.43	-10.01	-12.01	-10.67	-6.66	-10.86	-6.23	-10.04	-11.84	-15.04
θ (150°)	-12.39	-8.61	-7.32	-10.2	-16.02	-11.35	-7.65	-8.1	-11.32	-8.52	-8.3	-10.69	-8.51	-10.71	-8.2	-11.61	-8.38	-9.21	-5.96	-6.66	-7.16	-8	-7.97	-7.89	-12.39
θ (165°)	-8.15	-6.37	-6.06	-8.15	-8	-8.17	-9.18	-9.38	-9.2	-11.23	-11.24	-11.28	-8.35	-7.39	-5.6	-4.66	-5.67	-7.59	-7.65	-9.32	-8.56	-9.49	-11.77	-13.69	-8.15
θ (180°)	-11.33	-8.82	-6.82	-6.28	-7.02	-8.02	-9.18	-10.24	-9.31	-12.4	-13.87	-14.05	-11.98	-10.33	-8.86	-9.39	-8.4	-8.16	-8.58	-8.7	-8.79	-10.58	-11.92	-13	-11.33

1SS																									
Freq. (MHz)	5850																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-6.19	-6.25	-6.81	-7.91	-9.4	-10.78	-12.35	-12.9	-11.81	-10.19	-8.73	-8.28	-7.61	-8.01	-8.06	-7.99	-9.3	-11.97	-12.49	-12.86	-10.16	-9.5	-8.22	-7.58	-6.19
θ (15°)	-5.17	-2.38	-2.21	-3.83	-4.44	-4.53	-3.55	-4.05	-6.18	-9.05	-11.4	-8.3	-5.54	-4.85	-4.71	-5.69	-6.96	-6.62	-8	-8.23	-9.12	-8.69	-7.03	-7.7	-5.17
θ (30°)	2.94	1.03	0.67	0.03	-0.43	-0.11	-0.04	-2.43	-5.21	-1.64	-5.69	-2.49	-1.07	-0.06	-3.19	-4.03	-3.26	-0.38	1.08	2.69	3.94	2.75	3.01	2.46	2.94
θ (45°)	3.18	3.7	2.02	1.41	2.82	3.33	2.27	2.01	3.15	3.72	3.86	1.62	0.48	2.6	3.47	2.72	1.42	2.43	1.9	2.9	1.98	2.54	2.91	2.83	3.18
θ (60°)	2.04	0.6	2.83	3.77	4.16	3.79	3.72	2.95	3.7	2.19	3.76	3.88	4.13	3.47	3.04	3.68	2.87	1.94	3.46	3.87	2.15	2.65	3.03	1.05	2.04
θ (75°)	4.17	6.13	4.96	5.32	5.82	4.97	4.77	4.58	5.32	4.36	5.65	5.91	5.96	[6.97]	5.42	5.42	4.71	4.91	4.26	3.47	5.03	4.85	5.57	3.68	4.17
θ (90°)	4.85	5.35	5.41	4.67	6.52	5.78	5.22	6.2	6.59	6.4	6.88	6.06	6.36	6.38	6.5	6.23	6.14	5.53	5.53	5.35	4.99	5.5	5.92	4.83	4.85
θ (105°)	2	5.42	5.31	4.54	3.09	3.79	4.9	6.23	6.61	5.99	6.96	4.52	6.58	6.97	6.25	5.85	5.28	4.02	5.95	3.53	3.88	4.25	3.72	4.28	2
θ (120°)	1.98	5.47	4.33	2.04	-0.59	1.67	-1.22	-1.74	1.88	3.06	4.37	3.53	0.32	2.34	4.35	2.36	0.74	3.28	2.36	-1.59	-0.31	3.22	2.68	2.73	1.98
θ (135°)	0.9	2.83	3.53	1.47	2.29	2.6	2.51	2.5	2.85	3.85	3.45	3.59	3.24	1.46	4.76	1.96	1.34	0.76	1.47	0.31	2.35	4.17	5.3	4.32	0.9
θ (150°)	-0.36	0.12	-2.69	-1.55	-0.75	-1.11	-4.16	-5.21	-3.44	-2.44	-4.66	-2.46	-1.5	-3.68	-3.79	-1.61	-0.74	-1.68	-4.7	-3.51	-2.95	0.13	-0.8	0.39	-0.36
θ (165°)	-7.17	-4.86	-4.47	-6.22	-8.67	-6.04	-4.55	-3.98	-3.6	-3.04	-3.72	-5.33	-5.47	-3.57	-1.76	-0.99	-0.75	-0.92	-0.76	-1.25	-2.41	-2.93	-3.53	-5.59	-7.17
θ (180°)	-9	-9.04	-10.47	-13.46	-16.5	-14.1	-11.15	-9.24	-7.61	-7.14	-6.53	-6.33	-7.07	-8.78	-12.36	-15.44	-14.49	-11.59	-9.36	-7.97	-7.14	-6.45	-7.09	-7.98	-9
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-10.91	-11.32	-10.09	-8.73	-7.97	-7.78	-7.84	-7.93	-8.44	-8.57	-10.7	-11.7	-13.08	-12.2	-11.07	-8.64	-7.51	-7.16	-6.13	-6.43	-7.21	-7.36	-9.26	-10.91	-10.91
θ (15°)	-8.46	-7.85	-6.41	-5.83	-5.66	-6.2	-8.51	-10.3	-9.48	-9.38	-9.52	-10.68	-14.27	-16.18	-11.25	-9.6	-10.57	-11.9	-10.72	-8.39	-7.66	-7.96	-7.4	-7.56	-8.46
θ (30°)	-3.06	-3.54	-1.22	[-0.81]	-2.14	-4.96	-5.26	-6.19	-7.24	-3.32	-5.18	-5.75	-9.03	-11.13	-5.67	-3.03	-4.48	-8.71	-4.68	-3.18	-2.32	-3.3	-2.37	-3.05	-3.06
θ (45°)	-10.2	-6.94	-8.11	-5.02	-9.18	-9.62	-7.4	-6.16	-6.59	-4.81	-5.57	-10.59	-11.4	-8.98	-11.95	-4.84	-5.27	-7.09	-8.29	-8.05	-5.32	-7.69	-7.7	-12.57	-10.2
θ (60°)	-6.95	-9.24	-4.85	-2.88	-4.56	-4.98	-5.06	-4.51	-7.05	-10.87	-4	-5.23	-7.68	-13.78	-7.41	-11.15	-4.9	-4.02	-4.6	-3.53	-6.04	-8.69	-6.13	-5.13	-6.95
θ (75°)	-10.11	-4.89	-2.96	-3.41	-3.88	-4.26	-6.39	-4.22	-6.1	-6.27	-3.77	-6.97	-10.71	-8.06	-10.09	-13.13	-11.42	-7.47	-6.03	-6.69	-6.06	-4.08	-4.11	-6.3	-10.11
θ (90°)	-8.3	-8.35	-8.04	-9.09	-8.55	-11.39	-12.39	-9.75	-13.06	-9.74	-5.28	-11.02	-11.61	-9.71	-10.05	-8.59	-8.1	-8.74	-11.38	-8.65	-7.06	-8.82	-6.21	-6.81	-8.3
θ (105°)	-7.12	-12.92	-7.28	-4.18	-5.22	-7.34	-10.2	-12.6	-10.58	-11.76	-7.4	-8.51	-9.24	-7.91	-12.68	-6.85	-8.72	-9.9	-9.73	-9.18	-5.96	-6.14	-5.92	-7.36	-7.12
θ (120°)	-13.52	-12.04	-8.17	-8.7	-9.1	-6.16	-5.17	-4.55	-6.64	-7.16	-6.91	-5.98	-11.97	-12.4	-9.75	-8.14	-3.86	-6.83	-8.15	-5.01	-9.13	-7.05	-11.56	-11.45	-13.52
θ (135°)	-14.74	-9.56	-8.65	-10.12	-12.36	-7.07	-11.48	-9.43	-8.28	-8.07	-8.05	-6.34	-10.25	-11	-11.2	-7.04	-9.2	-9.31	-11.93	-6.27	-9.48	-6.34	-8.94	-14.54	-14.74
θ (150°)	-11.62	-6.85	-10.47	-11.42	-11.94	-10.18	-7.19	-6.64	-8.6	-7.47	-7.01	-8.28	-7.63	-8.79	-6.56	-9.43	-7.56	-8.14	-6.39	-7.88	-7.81	-8.29	-8.16	-5.39	-11.62
θ (165°)	-6.3	-4.89	-5.62	-6.59	-7.66	-8.41	-9.97	-11.25	-9.8	-11.62	-11.17	-14.02	-8.61	-7.5	-5.99	-5.02	-5.55	-6.9	-8.41	-8.95	-9.03	-8.34	-11.6	-16.17	-6.3
θ (180°)	-10.92	-8.7	-6.37	-5.61	-6.72	-7.32	-8.34	-9.05	-9.9	-11.48	-16.29	-17.44	-13.27	-9.91	-9.19	-7.18	-7.78	-7.29	-7.26	-8.32	-8.88	-11.02	-12.3	-13.52	-10.92

2SS																										
Freq. (MHz)	5150																									
Polarity	Theta																									
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)	
θ (0°)	-14.07	-14.51	-13.06	-11.35	-10	-9.33	-9.35	-9.13	-9.72	-10.8	-12.33	-13.46	-14.31	-14.43	-13.76	-12.45	-10.82	-9.75	-9.02	-9.23	-9.41	-10.27	-11.39	-12.79	-14.07	
θ (15°)	-7.85	-8.3	-7.69	-6.77	-5.42	-4.43	-4.06	-4.82	-6.56	-8.64	-7.46	-6.6	-7.64	-9	-10.9	-11.41	-10.56	-10.4	-11.15	-10.52	-8.18	-6.89	-5.87	-6.27	-7.85	
θ (30°)	1.49	0.62	0.28	-0.69	-0.53	-0.72	-0.46	-0.64	-0.95	-0.79	-3.01	-2.03	-1.71	-3.11	-1.63	-1.05	-1.65	-2.48	-2.64	-2.3	-2.74	-2.7	-1.73	-0.7	1.49	
θ (45°)	-1.99	0.42	1.61	2.61	1.37	0.84	0.28	0.34	1.21	0.97	0.11	-1.18	-2.6	-1	-0.07	0.27	-0.08	-2.19	-3.84	-3.71	0.16	1.14	-0.13	-1.03	-1.99	
θ (60°)	0.95	3	3.26	2.52	1.43	1.75	1.79	1.6	2.35	3.05	3.81	2.79	2.49	3.99	3.53	1.9	1.34	0.86	0.29	0.14	0.61	1.96	2.68	2.01	0.95	
θ (75°)	1.26	2.78	2.28	2.5	2.1	1.57	1.67	3.12	3.28	4.31	3.98	3.17	2.04	3.09	3.59	2.46	1.95	1.6	2.02	1.64	0.75	2.37	1.89	2.39	1.26	
θ (90°)	2.22	3.84	3.41	2.81	1.75	1.51	2.47	2.37	2.13	3.08	3.15	2.99	2.41	3.28	2.82	1.13	0.66	0.96	1.49	2.95	1.63	3.68	3.03	3.88	2.22	
θ (105°)	1.65	3.37	2.63	2.82	2.37	2.67	1.33	1.41	3.1	3.41	[4.70]	3.71	2.54	3.48	4.03	2.07	-0.91	0.08	0.65	0.39	1.61	4.04	3.51	3.41	1.65	
θ (120°)	-1.9	0.97	0.77	0.12	-1.47	-3.47	-2.78	-0.81	0.3	0.15	1.84	1.52	-0.78	1.36	1.41	2.34	1.09	-0.16	-1.14	-1.27	-0.45	-0.23	0.77	-1.81	-1.9	
θ (135°)	-1.38	-1.26	-0.98	-1.94	-3.03	-2.45	-2.42	-2.35	-3.1	-1.03	-2.19	-3.73	-8.02	-1.49	-0.68	-1.67	-2.63	-1.53	-1.12	-2.95	-1.77	-0.34	0.11	0.14	-1.38	
θ (150°)	-4.36	-4.04	-5.62	-5.11	-5.81	-7.18	-11.49	-13.68	-10.91	-9.22	-7.78	-7.63	-6.2	-6.67	-6.94	-6.3	-6.94	-8.92	-9.71	-9.29	-8.72	-3.25	-4.84	-5.68	-4.36	
θ (165°)	-10.18	-11.52	-13.32	-16.15	-12.04	-10.6	-9.61	-9.48	-8.75	-8.29	-9.65	-10.71	-7.76	-5.72	-5.45	-6.1	-7.49	-7.93	-7.72	-6.84	-6.9	-7.42	-7.29	-7.5	-10.18	
θ (180°)	-16.13	-16.19	-16.57	-18.01	-18.69	-16.69	-16.16	-15.4	-14.9	-14.3	-13.47	-12.66	-12.65	-13.43	-14.4	-17.05	-20.09	-16.78	-15.75	-14.56	-13.98	-13.06	-13.72	-13.7	-16.13	
Polarity	Phi																									
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)	
θ (0°)	-9.65	-9.34	-10.07	-10.89	-12.39	-13.66	-15.07	-15.07	-14.76	-12.38	-11.15	-9.93	-9.44	-9.74	-9.87	-10.38	-12.15	-13.71	-14.1	-14.42	-14.84	-12.96	-10.81	-10.02	-9.65	
θ (15°)	-9.24	-8.33	-7.36	-5.81	[-5.72]	-7.16	-9.29	-13.22	-14.92	-14.42	-16.35	-13.8	-13.86	-15.63	-16.95	-14.59	-11.54	-9.66	-8.43	-8.7	-10.15	-13.13	-12.76	-11.85	-9.24	
θ (30°)	-11.32	-11.53	-11.69	-9.73	-9.5	-9.49	-10.53	-13.85	-14.24	-14.56	-14.41	-15.36	-17.67	-13.8	-17	-9.83	-11.21	-13.28	-12.54	-11.21	-10.17	-9.8	-11.91	-14.2	-11.32	
θ (45°)	-10.1	-7.98	-6.36	-8.03	-12.36	-12.41	-11.29	-14.43	-18.37	-10	-10.78	-14.74	-12.71	-13.21	-10.84	-13.11	-13.53	-13.37	-13.35	-10.69	-6.94	-9.26	-11.77	-10.12	-10.1	
θ (60°)	-17.3	-14.93	-15.29	-15.43	-12.23	-13.98	-13.65	-13.97	-10.83	-10.69	-11.94	-12.13	-13.2	-12.55	-13.19	-15.32	-15.02	-14.66	-15.76	-12.94	-11.45	-12.65	-10.23	-10.73	-17.3	
θ (75°)	-13.63	-14.12	-9.82	-7.31	-7.74	-10.6	-11.68	-13.02	-12.66	-11.63	-14.66	-13.97	-16.23	-17.51	-16.77	-14.35	-14.99	-12.95	-15.27	-18.67	-14.35	-14.94	-16.91	-15.2	-13.63	
θ (90°)	-13.27	-12.94	-13.46	-13.09	-13.94	-12.39	-17.24	-16.26	-18.15	-18.75	-16.5	-17.24	-13.83	-16.15	-14.84	-14.15	-13.89	-12.32	-11.73	-15.8	-10.8	-16.16	-12.99	-16.73	-13.27	
θ (105°)	-14.95	-14.48	-11.42	-11.31	-12.05	-11.76	-13.29	-18.72	-13.49	-13.45	-17.15	-18.57	-17.16	-19.23	-12.12	-15.13	-16.03	-18.87	-13.93	-20.18	-19.16	-13.56	-14.41	-11.51	-14.95	
θ (120°)	-16.39	-18.5	-13.04	-12.73	-13.31	-11.65	-9.7	-11.19	-11.77	-12.23	-11.44	-13.78	-14.04	-14.12	-10.3	-11.98	-14.37	-10.44	-12.49	-15.06	-15.24	-18.02	-16.84	-19.06	-16.39	
θ (135°)	-17.06	-15.08	-15.03	-14.94	-17.92	-17.06	-18.18	-18.12	-14.62	-17.5	-14.6	-12.26	-15.18	-14.74	-14.19	-15.71	-12.71	-11.55	-15.75	-10.74	-15.55	-12.54	-13.1	-16.06	-17.06	
θ (150°)	-13.19	-15.67	-10.41	-13.75	-13.09	-11.8	-10.5	-10.43	-14.21	-12.38	-12.72	-14.32	-14.05	-11.56	-16.16	-14.47	-16.36	-10.26	-10.79	-13.73	-12.27	-11.76	-10.56	-11.15	-13.19	
θ (165°)	-11.67	-13.73	-11.72	-11.36	-12.68	-10.7	-10.46	-12.23	-14.74	-14.63	-13.32	-13.18	-13.23	-11.2	-8.16	-7.7	-8.47	-9.02	-10.18	-12.47	-12.19	-12	-13.13	-14.26	-11.67	
θ (180°)	-16.87	-16.26	-15.25	-14.26	-14.54	-14.88	-15.21	-14.94	-16.17	-17.74	-18.87	-16.41	-14.7	-13.95	-14.15	-13.62	-12.66	-12.27	-12.35	-12.3	-13.29	-15.65	-17.79	-16.82	-16.87	

2SS																									
Freq. (MHz)	5250																								
Polarity	Theta																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	-14.1	-13.38	-11.87	-10.39	-9.33	-8.49	-8.52	-9.19	-10.32	-11.18	-13.66	-14.95	-14.33	-13.96	-11.94	-10.54	-8.98	-8.29	-8.27	-8.84	-9.62	-10.98	-13.02	-13.4	-14.1
θ (15°)	-3.96	-4.72	-5.2	-5.78	-6.03	-6.01	-6.13	-6.81	-7.33	-7.68	-8.17	-8	-7.72	-8.68	-9.14	-8.1	-7.12	-7.51	-7.63	-7.3	-6.09	-4.81	-4.05	-3.61	-3.96
θ (30°)	1.98	1.71	1.15	-0.07	-0.06	-0.74	-1.45	-2.29	-2.17	-2.9	-2.76	-2.31	-1.91	-2.41	-1.48	-1.19	-2.07	-3.82	-4.74	-4.28	-3.7	-4.68	-2.26	-0.73	1.98
θ (45°)	-3.14	-0.76	1.53	1.82	0.58	-0.23	-1.83	-0.89	-0.14	0.01	-0.12	-0.63	-1.43	-1.37	-0.08	0.5	0.4	-0.68	-1.88	-1.76	0.29	1.03	0.26	-1.28	-3.14
θ (60°)	2.41	2.29	2.48	2.11	2.17	2.6	2.84	2.34	2.42	2.76	3.38	2.51	3.04	3.04	2.92	2.16	1.66	2.48	1.44	0.82	1.44	0.48	1.55	1.22	2.41
θ (75°)	1.16	2.33	2.43	2.49	1.94	2.02	2.16	3.21	3.66	3.27	3.46	2.92	2.38	2.2	2.74	2.01	2.12	2.68	2.75	1.93	1.05	2.32	1.86	1.82	1.16
θ (90°)	1.5	4.01	3.89	2.85	1.98	1.44	2.92	2.55	2.33	3.23	3.4	2.97	3.05	2.79	3.12	1.72	1.01	1.38	2.27	3.42	1.6	3.54	3.24	3.75	1.5
θ (105°)	1.34	3.09	2.53	2.75	2.79	2.96	2.1	1.84	2.99	3.1	[4.59]	4.33	3.63	3.14	4	2.69	0.23	1.4	0.92	1.44	1.66	3.83	3.96	3.59	1.34
θ (120°)	-1.72	2.02	0.76	-0.05	-0.7	-2.85	-2.73	-1.52	0.08	0.68	1.37	2.17	-0.35	1.73	1.18	1.85	1	-0.29	-1.02	-1.09	-0.11	-0.59	0.27	-1.15	-1.72
θ (135°)	-0.88	-1	-1.38	-1.28	-2.79	-1.96	-1.79	-1.6	-2.74	-0.9	-1.84	-2.42	-7.67	-1.61	0.08	-2	-2.57	-1.69	-1.46	-2.93	-1.9	-0.57	0.75	1.55	-0.88
θ (150°)	-2.87	-3.28	-5.17	-5.29	-5.8	-7.59	-10.43	-11.77	-9.07	-8.62	-6.56	-6.18	-4.66	-5.16	-6.52	-5.29	-6.16	-8.04	-8.17	-7.65	-8.33	-3.58	-4.84	-5.83	-2.87
θ (165°)	-8.58	-12.54	-16.56	-12.91	-10.26	-9.1	-8.37	-7.96	-7.15	-7.1	-8.81	-9.87	-8.07	-5.7	-4.54	-4.48	-5.14	-6.01	-6.23	-5.78	-5.58	-6.74	-7.33	-6.99	-8.58
θ (180°)	-17.12	-15.81	-16.95	-18.01	-17.85	-17.25	-16.01	-15.4	-14.69	-13.93	-13.74	-13.82	-13.93	-14.74	-17.34	-19.35	-18.08	-17.34	-15.29	-15.48	-14.51	-14.25	-13.76	-13.85	-17.12
Polarity	Phi																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	-8.97	-9.42	-10.54	-11.91	-13.7	-14.93	-15.38	-13.97	-12.7	-10.49	-9.54	-8.8	-8.67	-9.12	-10.12	-12.01	-13.98	-14.46	-14.21	-14.29	-12.67	-10.75	-9.88	-9	-8.97
θ (15°)	-7.87	-7.41	-5.51	[-4.51]	-4.83	-6.83	-9.97	-12.95	-13.93	-13.41	-13.9	-12.65	-10.61	-10.65	-12.49	-15.17	-12.47	-10.1	-8.53	-7.56	-8.98	-11.27	-9.65	-8.32	-7.87
θ (30°)	-11.87	-10.81	-10.59	-10.04	-9.02	-9.32	-9.39	-13.07	-12.06	-13.83	-12.77	-14.99	-16.85	-13.77	-16.02	-10.57	-10.8	-12.63	-11.82	-11.18	-10.7	-9.83	-11.73	-11.67	-11.87
θ (45°)	-9.76	-6.83	-4.98	-5.82	-10.9	-12.8	-10.39	-11.87	-16.94	-9.66	-10.63	-11.41	-12.46	-12.72	-11.05	-12.74	-12.89	-11.6	-10.27	-9.65	-6.99	-8.34	-9.44	-9.82	-9.76
θ (60°)	-14.5	-12.27	-14.82	-13.1	-11.77	-11.43	-11.75	-12.85	-9.55	-8.89	-13.29	-12.71	-14.86	-12.59	-12.29	-12.21	-12.19	-12.63	-13.34	-10.41	-9.96	-12.8	-9.52	-10.5	-14.5
θ (75°)	-11.45	-14.96	-8.48	-5.66	-6.52	-7.79	-10.62	-12.6	-12.22	-12.3	-12.26	-12.61	-12.91	-14.81	-21.49	-12.52	-12.11	-10.95	-14.47	-14.02	-12.74	-14.87	-13.57	-12.68	-11.45
θ (90°)	-13.72	-11.21	-9.62	-9.67	-11.34	-11.6	-15.35	-15.56	-13.77	-13.12	-12.74	-15.36	-12.96	-13.11	-15.04	-13.53	-10.92	-11.34	-11.34	-14.27	-9.59	-15.2	-11.64	-14.56	-13.72
θ (105°)	-14.4	-14.68	-10.97	-11.67	-11.49	-10.36	-12.95	-15.74	-15.55	-11.85	-13.89	-15.23	-17.6	-16.47	-10.54	-14.15	-14.93	-14.91	-13.39	-17.79	-17.5	-12.26	-13.13	-10.66	-14.4
θ (120°)	-15.33	-16.73	-11.26	-11.29	-12.01	-10.03	-8.52	-10.64	-10.02	-10.86	-10.4	-14.16	-12.92	-12.57	-9.04	-10.51	-12.47	-9.21	-11.31	-14.16	-14.18	-16.37	-14.7	-17.06	-15.33
θ (135°)	-15.64	-12.46	-15.6	-15.18	-18	-20.53	-14.52	-17.89	-13.97	-16.49	-14	-10.82	-12.47	-11.55	-13.12	-14.46	-9.6	-10.42	-14.89	-10.13	-12.43	-9.86	-10.94	-12.87	-15.64
θ (150°)	-14.75	-14.38	-9.97	-12	-12.92	-14.56	-11.23	-11.75	-14.13	-10.92	-10.39	-11.09	-12.98	-10.8	-13.63	-13.89	-14.01	-12.26	-11.65	-12.65	-12.08	-11.31	-8.19	-9.67	-14.75
θ (165°)	-13.24	-12.78	-12.39	-13.07	-13.38	-11.93	-11.97	-12.65	-12.19	-11.58	-15.52	-14.41	-11.72	-10.22	-7.05	-6.28	-7.3	-8.18	-10.3	-11.1	-10.92	-10.7	-12.46	-14.53	-13.24
θ (180°)	-15.17	-14.32	-15.5	-14.91	-15.48	-15.19	-15.02	-15.59	-16.3	-17.9	-18.31	-19.21	-17.12	-15.84	-15.92	-14.96	-13.95	-13.52	-13.07	-14.14	-14.72	-15.69	-18.67	-16.77	-15.17

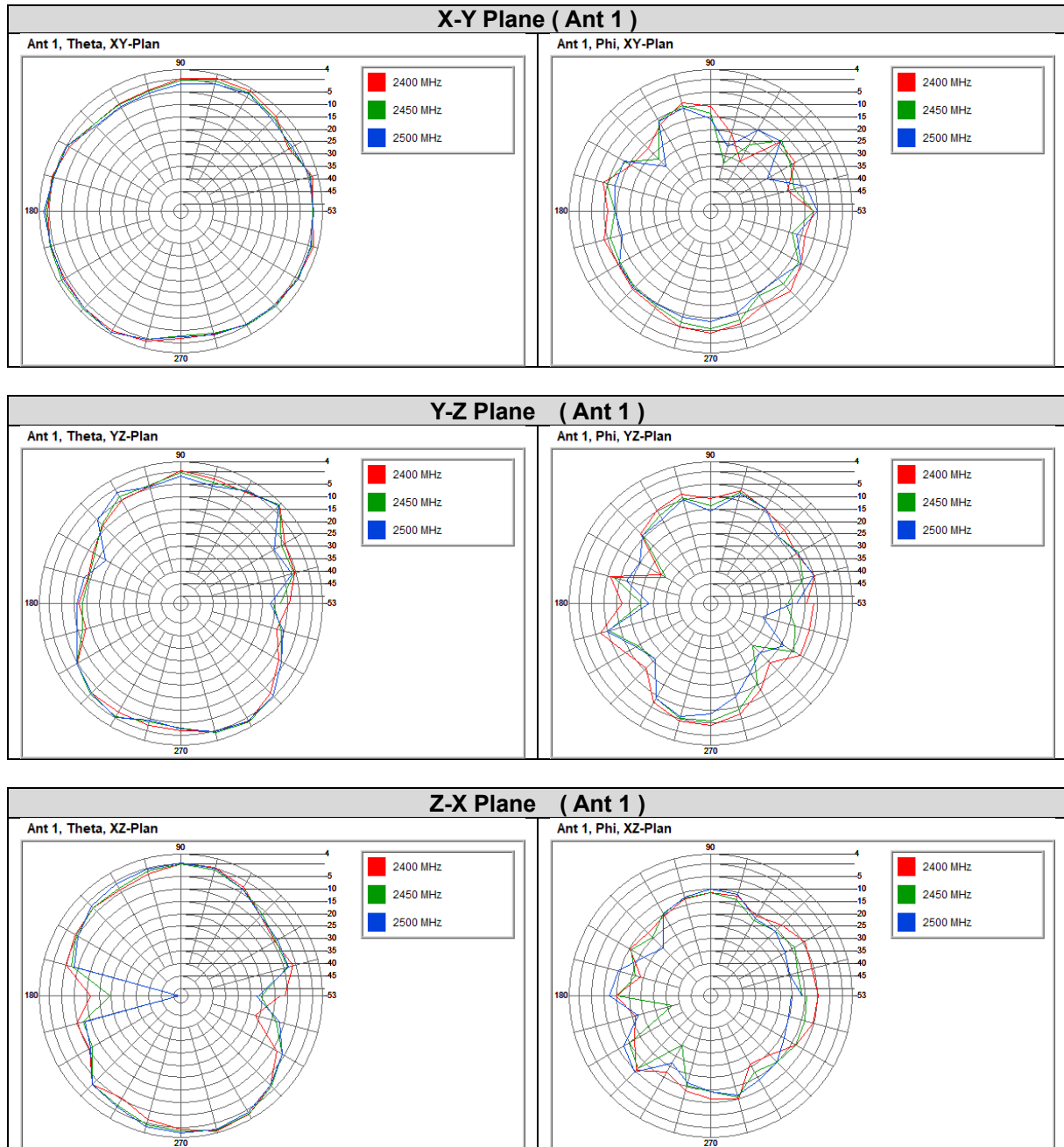
2SS																										
Freq. (MHz)	5350																									
Polarity	Theta																									
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)	
θ (0°)	-11.7	-10.94	-9.65	-8.43	-7.95	-8.06	-8.37	-8.72	-9.63	-11.01	-11.13	-12.06	-11.31	-10.22	-9.22	-8.11	-7.52	-7.62	-8.17	-8.68	-9.78	-10.99	-12.13	-12.49	-11.7	
θ (15°)	-2.77	-2.8	-3.34	-4.39	-5.67	-6.73	-7.73	-8.49	-8.95	-8.47	-8.17	-7.33	-5.7	-5.42	-7.02	-7.41	-6.11	-5.65	-5.62	-5.68	-5.43	-5.01	-3.86	-3.12	-2.77	
θ (30°)	-0.42	0.31	0.15	-0.6	-1	-1.14	-2.1	-3.07	-1.8	-2.76	-1.73	-2.45	-4.68	-2.01	-1.76	-1.93	-2.42	-3.18	-5.21	-6.33	-5.65	-6.2	-4.15	-2.58	-0.42	
θ (45°)	-3.33	-0.85	1.27	1.19	-0.95	-3.34	-2.23	-1.39	-1.48	-0.31	0.4	0.61	-0.97	-0.26	-0.2	-0.07	0.43	0.23	-0.36	0.12	0.19	0.99	-0.04	-1.43	-3.33	
θ (60°)	1.67	1.97	1.91	0.29	0.57	1.95	2.24	2.34	1.07	3.53	3.89	3.02	0.93	2.38	3.52	2.68	1.49	0.59	0.49	0.29	1.04	0.81	1.67	0.79	1.67	
θ (75°)	1.05	2.39	1.69	1.37	1.63	2.39	2.62	2.76	2.49	2.96	3.22	2.97	1.06	2	3.07	1.81	0.9	1.38	2.5	1.87	1.35	2.77	2.6	1.56	1.05	
θ (90°)	1.51	3.95	3.79	2.37	1.53	2.59	4.03	2.49	2.48	2.85	3.74	3.56	3.25	3.52	3.92	2.05	1.07	1.22	1.16	3.04	2.47	3.45	4.21	3.63	1.51	
θ (105°)	0.61	3.13	2.57	2.85	2.8	3.2	1.65	1.06	3.41	3.5	[4.71]	4.67	3.4	4.16	4.35	2.65	0.96	2.01	1.08	0.9	0.74	3.96	3.89	2.91	0.61	
θ (120°)	-0.89	2.15	1.18	-0.45	-1.03	-2.99	-3.79	-2.6	-0.29	0.89	1.29	1.95	-1.7	1.87	1.27	2.16	0.3	-1.4	-1.88	-2.1	-0.41	0.27	0	-1.48	-0.89	
θ (135°)	-0.86	-0.39	-0.77	-1.61	-3.68	-3.27	-1.72	-0.63	-1.98	-0.16	-0.64	-1.78	-4.82	-2.41	1.03	-1.27	-1.98	-1.34	-1.06	-2.03	-1.73	-0.13	1.35	1.46	-0.86	
θ (150°)	-3.28	-2.93	-4.52	-4.74	-4.82	-6.38	-8.79	-10.96	-7.04	-8.71	-6.12	-5.79	-4.69	-5.17	-5.9	-5.31	-5.56	-8.09	-6.36	-6.25	-7.71	-3.87	-4	-6.19	-3.28	
θ (165°)	-8.34	-12.86	-15.22	-10.81	-8.74	-7.54	-6.64	-6.44	-5.72	-5.63	-7.81	-9.71	-7.5	-5.03	-3.93	-3.83	-4.69	-5.13	-5.5	-5.26	-5.02	-5.88	-6.87	-7.1	-8.34	
θ (180°)	-14.07	-13.64	-14.28	-15.1	-15.34	-15.56	-14.97	-14.08	-13.54	-13.08	-12.83	-12.81	-12.94	-13.72	-15.07	-16.22	-16.01	-14.35	-13.43	-13.18	-12.2	-12.47	-12.47	-13.87	-14.07	
Polarity	Phi																									
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)	
θ (0°)	-8.33	-8.84	-9.47	-10.81	-12.49	-12.64	-11.98	-10.45	-9.56	-8.42	-8	-7.91	-8.22	-8.86	-9.74	-10.91	-12.32	-12.59	-12.55	-10.92	-9.88	-8.24	-8.3	-7.95	-8.33	
θ (15°)	-6.72	-6.55	-4.74	[-4.19]	-5.09	-7.21	-10.07	-11.45	-10.65	-10.36	-11.83	-13.9	-11.33	-9.54	-9.61	-11.6	-13.82	-12.08	-9.76	-8.83	-8.51	-9.31	-7.21	-6.45	-6.72	
θ (30°)	-12.06	-9.1	-9.3	-7.36	-7.15	-8.15	-9.39	-12.57	-10.89	-11.69	-11.06	-17.89	-19.15	-13.99	-13.65	-9.88	-9.33	-11.51	-12.58	-13.31	-11.42	-10.89	-12.28	-9.99	-12.06	
θ (45°)	-11.03	-6.05	-4.5	-5.26	-9.78	-14.84	-10.71	-12.23	-12.07	-10.44	-9.86	-12.29	-11.77	-12.35	-11.7	-10.66	-12.94	-10.46	-9.17	-8.93	-7.2	-6.73	-9.49	-11.25	-11.03	
θ (60°)	-13.15	-11.88	-15.74	-11.63	-12.3	-11.03	-13.85	-12.67	-10.89	-7.45	-10.61	-13.22	-14.65	-14.37	-12.02	-9.95	-10.5	-10.81	-12.4	-11.23	-11.59	-14.51	-9.91	-12.29	-13.15	
θ (75°)	-12.31	-14.88	-8.23	-5	-5.17	-7.67	-10.59	-14.61	-11.46	-11.96	-11.39	-12.94	-11.68	-15.33	-18.43	-12.56	-11.19	-9.64	-11.8	-12.66	-11.94	-10.69	-11.64	-11.79	-12.31	
θ (90°)	-15.19	-12.31	-9.35	-8.85	-9.04	-10.95	-16.15	-15.25	-11.09	-10.52	-9.62	-15.27	-13.5	-12.13	-16.22	-13.28	-10.38	-10.3	-11.14	-14.54	-8	-15.13	-11.13	-12.29	-15.19	
θ (105°)	-12.33	-14.85	-10.08	-10.49	-11.33	-10.23	-12.69	-15.67	-18.04	-10.48	-10.93	-16.82	-16.98	-14.29	-10.45	-13.33	-14.75	-15.59	-13.48	-14.39	-15.95	-10.51	-12.06	-11.11	-12.33	
θ (120°)	-13.87	-16.99	-9.86	-10.81	-9.57	-10.4	-8.57	-10.74	-11.19	-10.52	-10.15	-13.4	-9.76	-14.07	-8.45	-9.22	-10.2	-8.16	-10.65	-11.89	-13.37	-14.42	-14.81	-15.36	-13.87	
θ (135°)	-15.23	-11.63	-14.77	-13.55	-14.73	-17.59	-12.74	-14.01	-18.55	-15.14	-11.16	-10.55	-9.76	-12.42	-12.14	-13.53	-9.62	-10.7	-14.85	-9.38	-11.46	-9	-10.15	-12.24	-15.23	
θ (150°)	-14.57	-16.16	-10.98	-11.4	-12.39	-12.82	-10.23	-10.39	-14.28	-10.38	-10.28	-9.88	-12.77	-12.25	-14.29	-11.68	-12.68	-11.94	-10.8	-11.85	-10.51	-10.31	-7.79	-9.2	-14.57	
θ (165°)	-11.97	-12.82	-13.92	-12.33	-12.6	-11.89	-11.66	-12.03	-10.17	-10.41	-13.14	-13.8	-11.17	-9.76	-7.14	-6.67	-7.84	-9.16	-10.8	-11.5	-9.86	-9.64	-11.75	-15.97	-11.97	
θ (180°)	-13.37	-13.36	-12.65	-13.44	-13.55	-14.01	-13.35	-13.28	-13.68	-15.05	-17.47	-17.49	-17.93	-16.25	-15.07	-14.01	-13.01	-12.41	-13.1	-12.75	-13.21	-14.96	-14.93	-14.65	-13.37	

2SS																													
Freq. (MHz)	5470																												
Polarity	Theta																												
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)				
θ (0°)	-9.83	-9.65	-8.87	-8.7	-8.39	-8.44	-8.61	-8.78	-8.8	-8.91	-9.1	-9.5	-9.77	-9	-8.57	-8.22	-8.16	-8.63	-8.71	-8.74	-8.68	-8.72	-8.89	-9.37	-9.83				
θ (15°)	-3.2	-3.34	-3.62	-4.43	-5.21	-6.21	-6.26	-6.43	-7.29	-5.93	-5.21	-6.25	-5.97	-4.37	-4.79	-5.86	-5.02	-4.19	-3.98	-3.82	-3.44	-3.16	-3.31	-3.12	-3.2				
θ (30°)	-6.52	-4.05	-2.93	-2.78	-2.4	-2.71	-4.18	-2.27	-0.84	-1.53	-0.64	-2.46	-5	-2.03	-2.72	-3	-2.69	-3.25	-5.06	-7.77	-8.73	-7.78	-7.36	-7.88	-6.52				
θ (45°)	-1.54	-0.17	0.28	0.05	-1.77	-2.4	-0.2	0.48	-0.56	0.8	1.13	1.43	0.94	2.11	0.93	-0.57	-0.77	-0.57	0.02	0.49	0.22	-0.03	-0.14	-0.67	-1.54				
θ (60°)	0.08	1.66	1	-0.21	1.35	0.99	1.57	1.38	1.35	3.92	2.9	2.83	-1.33	1.15	2.77	2.63	0.72	1.35	1.33	0.22	-0.67	0.88	1.12	0.71	0.08				
θ (75°)	0.56	2.26	2.55	1.85	0.59	1.77	3.2	1.62	1.85	3.05	3.63	2.96	1.72	3.23	2.59	1.61	0.15	1.43	2.15	2.46	1.56	2.93	3.29	2.03	0.56				
θ (90°)	1.08	3.7	3.99	2.28	1.28	3.25	3.75	2.18	2.02	3.06	4.48	4.3	2.93	[5.08]	4.41	2.83	1.53	2.02	1.96	2.48	2.46	2.65	4.75	3.63	1.08				
θ (105°)	0.22	2.72	2.74	3.23	2.13	2.27	0.54	1.81	3.61	3.66	4.87	4.26	3.43	4.73	4.24	2.63	1.62	2.76	1.69	1.35	0.02	3.38	4.01	1.92	0.22				
θ (120°)	-1.03	2.03	1.75	-0.65	-1.27	-2.96	-3.8	-1.8	0.02	0.71	0.96	1.35	-3.36	1.32	1.27	1.46	-1.49	-2.12	-2.73	-2.81	-2.87	0.43	0.43	-0.12	-1.03				
θ (135°)	-1.43	-0.61	-0.1	-0.79	-2.3	-2.05	-1.62	-0.69	-0.58	0.05	0	-1.53	-2.68	-0.98	0.89	-0.72	-1.91	-1.96	-2.12	-1.97	-1.84	-0.06	0.99	2	-1.43				
θ (150°)	-4.71	-3.77	-5.06	-3.94	-4.48	-6.12	-7.88	-9.8	-7.95	-7.66	-6.98	-6.9	-5.18	-4.95	-6.05	-5.72	-4.63	-6.63	-6.23	-5.86	-5.61	-2.63	-2.79	-7.66	-4.71				
θ (165°)	-7.29	-11.41	-13.61	-10.82	-8.88	-7.56	-6.73	-6.16	-4.93	-4.53	-6.59	-10.19	-8.66	-5.4	-3.49	-2.62	-2.92	-3.46	-3.82	-4.31	-4.57	-4.75	-5.7	-5.83	-7.29				
θ (180°)	-11.73	-11.33	-12.31	-14.58	-15.35	-15.89	-14.9	-14.11	-13.6	-12.53	-11.47	-11.11	-11.02	-12.05	-13.91	-15.22	-15.66	-14.36	-13.83	-13.06	-11.67	-11.28	-11.33	-11.76	-11.73				
Polarity	Phi																												
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)				
θ (0°)	-8.49	-8.43	-9	-9.11	-9.24	-9.78	-10	-9.65	-8.62	-8.35	-7.99	-8.07	-8.49	-8.47	-8.14	-8.14	-8.76	-9.01	-9.76	-9.23	-8.78	-8.53	-8.15	-8.2	-8.49				
θ (15°)	-6.66	-5.81	-5.67	-5.83	-7.26	-10.1	-12.38	-10.64	-9.45	-8.49	-9.9	-12.72	-11.57	-7.96	-6.88	-8.17	-10.09	-13.84	-12.27	-10.1	-10.62	-8.55	-6.63	-6.17	-6.66				
θ (30°)	-8.11	-6.35	-6.57	-5.55	-5.58	-5.95	-7.64	-9.72	-9.03	-8.69	-8.55	-16.48	-14.48	-10.4	-8.89	-9.83	-8.29	-10.41	-11.41	-11.58	-10.06	-8.62	-9.5	-8.31	-8.11				
θ (45°)	-11.46	-7.14	[-4.60]	-4.9	-10.67	-14.73	-11.6	-11.44	-13.11	-7.74	-10.9	-12.44	-12.64	-14.66	-11.87	-9.46	-11.94	-12.66	-10.68	-8.99	-5.87	-6.6	-8.91	-11.18	-11.46				
θ (60°)	-13.62	-12.77	-15.17	-9.95	-10.32	-10.13	-11.16	-13.97	-12.52	-7.48	-8.44	-13.92	-15.27	-12.72	-11.1	-10.14	-8.85	-10.6	-11.9	-13.47	-11.96	-14.56	-11.71	-12.73	-13.62				
θ (75°)	-12.45	-15.22	-8.23	-4.73	-5.22	-7.34	-11.64	-13.88	-9.61	-12.02	-10.18	-13.92	-11.9	-13.88	-16.44	-14.94	-10.51	-9.92	-8.4	-12	-11.99	-8.33	-10.03	-9.93	-12.45				
θ (90°)	-15.11	-12.48	-11.41	-9.13	-8.07	-11.5	-15.44	-15.65	-11.56	-10.46	-7.63	-13.74	-16.59	-13.15	-17.29	-14.42	-9.91	-9.91	-12.18	-15.32	-8.34	-13.11	-10.73	-10.31	-15.11				
θ (105°)	-11.56	-14.31	-11.93	-12.12	-10.68	-11.84	-14.1	-15.81	-15.46	-10.57	-10.39	-14.42	-16.35	-15.67	-10.34	-13.05	-12.36	-16.25	-12.6	-13.98	-13.23	-9.59	-10.11	-12.23	-11.56				
θ (120°)	-13.48	-17.24	-11.42	-11.76	-10.11	-10.1	-10.91	-11.52	-11.01	-13.52	-11.38	-12.54	-10.5	-13.92	-9.45	-9.62	-10.58	-9.13	-9.76	-12.62	-14.15	-13.68	-15.6	-15.83	-13.48				
θ (135°)	-15.79	-12.69	-14.86	-14.11	-14	-13.41	-11.59	-12.52	-18.45	-15.02	-11.2	-9.34	-11.36	-12.45	-12.77	-13.72	-12.53	-13.5	-15.27	-9.49	-12.64	-8.8	-11.28	-12.52	-15.79				
θ (150°)	-13.44	-17.14	-11.62	-11.17	-13.08	-11.55	-10.03	-10.63	-15.4	-11.67	-10.36	-11.12	-12.81	-11.83	-12.63	-14.35	-12.6	-11.84	-10.48	-11.22	-10.41	-12.73	-8.78	-9.91	-13.44				
θ (165°)	-9.85	-10.52	-11.98	-11.55	-12.1	-11.56	-11.09	-11.44	-10.13	-10.54	-11.55	-10.93	-11	-9.5	-6.71	-6.03	-7.43	-8.74	-11.03	-11.9	-10.69	-9.86	-12.25	-14.27	-9.85				
θ (180°)	-13.88	-13.58	-12.61	-12.01	-11.47	-12.54	-11.59	-11.8	-12.59	-14.49	-16.49	-18.46	-16.95	-15.55	-14.1	-12.63	-11.82	-11.61	-11.41	-11.25	-11.81	-12.58	-14.15	-14.31	-13.88				

2SS																									
Freq. (MHz)	5725																								
Polarity	Theta																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	-10.66	-11.9	-13.3	-15.29	-16.11	-13.98	-13.21	-11.53	-10.14	-9.67	-9.39	-9.78	-10.6	-11.83	-13.83	-15.31	-14.97	-13.98	-13.02	-11.48	-10.45	-9.2	-9.14	-9.34	-10.66
θ (15°)	-4.13	-3.69	-3.89	-4.6	-5.73	-6.85	-7.4	-6.84	-6.88	-9.09	-12	-12.97	-11.21	-9.37	-8.75	-10.77	-11.54	-10.78	-9.43	-8.68	-7.78	-6.45	-5.32	-4.78	-4.13
θ (30°)	-4.3	-5.86	-7.88	-6.59	-7.19	-6.22	-3.53	-2.67	-3.45	-3.64	-5.53	-3.88	-5.88	-5.88	-5.9	-4.89	-5.15	-3.51	-2.34	-1.5	-1.08	-1.65	-2.99	-5.66	-4.3
θ (45°)	-0.39	0.11	-1.27	-1.88	-1.3	-0.36	-0.62	-2.14	0.45	1.43	1.55	-1.39	-1.95	0.38	1.48	0.36	-0.31	-0.02	0.51	1.16	0.41	-0.43	0.16	-0.34	-0.39
θ (60°)	-1.26	-1.7	-0.7	0.8	0.48	0.01	0.55	0.2	1.03	0.63	1.65	0.93	0.85	1.42	0.91	0.41	-1.43	0.07	1.09	1.22	-0.34	-0.76	0.65	-0.03	-1.26
θ (75°)	-0.49	2.74	2.8	1.67	1.24	1.98	2.04	1.11	0.96	1.93	3.17	2.93	2.73	4.11	2.86	2	1.04	1.56	1.54	1.15	1.81	2.24	2.84	0.99	-0.49
θ (90°)	1.19	2.76	3.34	1.58	2.53	3.65	2.57	2.76	2.53	2.81	4.33	4.15	2.94	4.01	4.48	3.01	2.71	2.93	2.28	1.49	1.61	2.1	3.87	2.36	1.19
θ (105°)	0.03	2.56	2.8	1.59	-0.27	0.8	1.87	2.86	2.85	3.03	4.4	2.63	2.66	[4.65]	3.49	2.4	1.66	1.54	2.04	0.7	-1.04	2.27	2.54	1.84	0.03
θ (120°)	-0.9	2.81	1.9	-0.26	-2.72	-2.23	-3.97	-3.97	-1.99	0.26	1.47	0.96	-3.43	0.11	1.61	0.5	-2.23	-1.15	-2.1	-5.43	-3.77	0.22	-0.79	-0.29	-0.9
θ (135°)	-2.32	-1.24	0.65	-1.82	-2.03	-1.81	-1.37	-0.72	-0.26	0.78	1.25	-0.58	-1.04	-0.91	1.59	-0.8	-2.06	-2.48	-1.4	-2.33	-0.8	1.23	2.22	1.64	-2.32
θ (150°)	-3.37	-2.77	-6.1	-4.55	-4.13	-5.25	-8.02	-9.5	-6.04	-6.67	-6.78	-6.69	-6.06	-5.71	-4.7	-3.62	-3.17	-4.86	-6.93	-5.53	-4.24	-2.42	-2.96	-3.4	-3.37
θ (165°)	-8.71	-8.04	-8.78	-10.16	-10.82	-8.27	-7.09	-6.34	-5.35	-5.21	-6.63	-8.66	-8.5	-5.46	-3.91	-3.31	-3.52	-4.04	-3.67	-3.58	-4.46	-4.71	-4.22	-5.66	-8.71
θ (180°)	-11.72	-12.81	-13.63	-15.22	-16.81	-15.57	-14.04	-12.71	-11.55	-10.68	-10.5	-9.98	-10.34	-11.99	-13.84	-15.29	-16.18	-14.59	-13.59	-11.45	-10.48	-9.52	-9.93	-10.86	-11.72
Polarity	Phi																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	-11.4	-10.97	-10.38	-9.68	-9.31	-9.67	-10.31	-11.96	-13.28	-15.72	-15.87	-13.87	-12.74	-11.06	-9.43	-8.95	-9.82	-9.09	-10.67	-12.1	-13.18	-14.81	-14.97	-13.95	-11.4
θ (15°)	-7.33	-6.8	-7.6	-8.07	-8.36	-9.75	-11.11	-11.46	-11.51	-10.23	-10.12	-12.57	-21.25	-12.84	-10.01	-9.84	-10.4	-12.03	-10.14	-8.61	-9.55	-9.81	-9.11	-8.11	-7.33
θ (30°)	-6.44	-5.39	-3.8	[-2.34]	-3.51	-5.36	-7.87	-11.13	-11.83	-5.58	-7.07	-10.25	-14.48	-14.56	-8.18	-6.33	-7.87	-7.99	-6.86	-7.16	-6.37	-5.71	-6.9	-6.55	-6.44
θ (45°)	-15	-9.86	-8.16	-8.55	-14.14	-14.32	-9.79	-9.93	-10.63	-8.62	-11.32	-15.8	-16.47	-14.98	-12.9	-9.8	-12.45	-14.67	-13.72	-8.13	-6.59	-8.32	-8.94	-13.86	-15
θ (60°)	-9.8	-12.22	-9.64	-7.68	-9.83	-9.03	-12.03	-9.95	-11.14	-11.94	-7.25	-11.27	-13.77	-15.73	-11.16	-15.2	-8.39	-8.8	-10.05	-9.02	-11.59	-16	-9.63	-9.54	-9.8
θ (75°)	-14.52	-9.39	-7.69	-6.5	-6.53	-7.34	-10.46	-8.58	-10.07	-9.09	-7.98	-10.23	-13.52	-10.69	-14.91	-17.38	-13.94	-9.98	-9.41	-13.07	-10.15	-7.31	-7.26	-9.2	-14.52
θ (90°)	-11.06	-10.96	-12.16	-14.04	-10.53	-12.15	-14.4	-12.57	-12.57	-10.72	-8.15	-14.68	-16.75	-11.08	-14.32	-16.33	-10.78	-11.45	-15.07	-12.21	-10.72	-12.55	-10.92	-9.29	-11.06
θ (105°)	-9.14	-16.02	-11.56	-9.54	-10.94	-10.23	-14.19	-21.94	-15.04	-12.96	-11.62	-12.44	-14.54	-12.53	-13.34	-11.59	-13.66	-13.56	-12.51	-13.58	-9.95	-9.45	-9.11	-10.05	-9.14
θ (120°)	-15.91	-17.88	-11.14	-13.9	-12.4	-10.39	-11.23	-12.03	-9.66	-12.26	-10.85	-10.5	-13.23	-16.27	-11.86	-11.64	-9.78	-11.64	-10.98	-10.63	-13.15	-12.07	-14.98	-14.31	-15.91
θ (135°)	-18.04	-14.93	-13.33	-15.86	-13.37	-11.83	-12.12	-12.58	-12.34	-11.06	-12.73	-11.05	-13.16	-13.84	-15.74	-10.19	-13.01	-14.42	-13.53	-9.38	-13.71	-8.19	-12.59	-14.75	-18.04
θ (150°)	-15.17	-11.61	-10.2	-13.19	-19.01	-14.11	-10.62	-10.77	-14.15	-11.52	-11.31	-13.56	-11.51	-13.72	-11.12	-14.62	-11.26	-12.18	-8.96	-9.04	-9.85	-11.01	-10.25	-10.85	-15.17
θ (165°)	-10.9	-9.26	-8.94	-11.15	-10.98	-11.1	-12.16	-12.25	-12.2	-14.21	-12.92	-12.86	-11.09	-10.08	-8.6	-7.67	-8.49	-9.77	-10.22	-12.08	-11.52	-11.48	-14.48	-16.65	-10.9
θ (180°)	-14.08	-11.76	-9.8	-9.28	-10.03	-11.03	-12.18	-13.23	-12.06	-15.1	-16.88	-16.69	-14.96	-13.34	-11.86	-12.32	-11.32	-11	-11.45	-11.7	-11.79	-13.58	-14.76	-15.79	-14.08

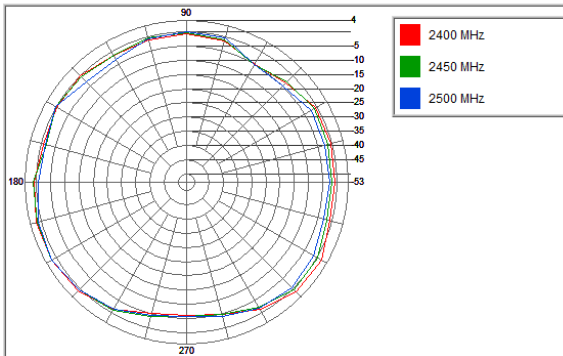
2SS																									
Freq. (MHz)	5850																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.14	-9.23	-9.81	-10.91	-12.41	-13.76	-15.2	-15.14	-14.27	-12.93	-11.51	-11.19	-10.56	-11.02	-11.07	-10.99	-12.31	-14.97	-15.45	-14.94	-12.63	-12.1	-10.7	-10.27	-9.1
θ (15°)	-8.1	-5.3	-4.67	-5.91	-7.01	-7.4	-6.45	-6.53	-8.77	-11.84	-13.97	-10.47	-7.38	-6.82	-6.7	-8.07	-9.82	-9.52	-10.62	-10.21	-11.15	-11.23	-9.83	-10.42	-8.1
θ (30°)	0.41	-1.28	-2.21	-2.95	-3.4	-3.01	-3.05	-5.31	-6.96	-4.41	-8.19	-5.44	-3.41	-3.01	-6.19	-6.65	-6.17	-3.13	-1.12	0.29	1.23	-0.25	0.22	-0.25	0.41
θ (45°)	0.18	0.69	-0.96	-1.13	-0.19	0.33	-0.73	-1	0.14	0.77	0.85	-1.39	-2.33	-0.41	0.57	-0.23	-1.54	-0.43	-0.79	-0.06	-0.98	-0.31	-0.09	-0.18	0.18
θ (60°)	-0.96	-2.36	-0.03	0.8	1.2	0.8	0.91	0.21	0.72	-0.82	0.75	0.9	1.22	0.68	0.04	0.67	-0.06	-0.99	0.48	0.93	-0.8	-0.28	0.12	-1.94	-0.96
θ (75°)	1.16	3.15	1.97	2.37	2.82	2.34	1.86	1.61	2.31	1.38	2.7	2.9	2.95	[3.97]	2.41	2.41	1.72	1.91	1.26	0.47	2.06	1.86	2.56	0.68	1.16
θ (90°)	1.84	2.35	2.42	1.71	3.53	2.77	2.21	3.19	3.59	3.46	3.87	3.07	3.35	3.38	3.49	3.22	3.15	2.53	2.52	2.42	1.98	2.49	2.95	1.95	1.84
θ (105°)	-0.66	2.44	2.33	1.53	0.21	0.85	1.96	3.25	3.6	3.16	3.97	1.55	3.68	3.97	3.25	2.84	2.36	1.07	2.94	0.72	1.12	1.24	0.81	1.36	-0.66
θ (120°)	-0.61	2.46	1.32	-0.93	-3.59	-1.29	-3.73	-4.72	-1.03	0.07	1.48	0.52	-1.88	-0.65	1.35	-0.57	-2.24	0.29	-0.46	-4.5	-3.22	0.22	-0.32	-0.17	-0.61
θ (135°)	-2.11	-0.18	0.53	-1.46	-0.71	-0.41	-0.36	-0.43	-0.12	0.85	0.64	0.62	0.33	-1.55	1.84	-1.02	-1.54	-1.8	-1.53	-2.56	-0.44	1.18	2.29	1.4	-2.11
θ (150°)	-3.13	-2.84	-5.69	-4.42	-3.71	-4.11	-7.09	-8.11	-5.58	-4.99	-6.93	-5.45	-4.44	-5.8	-5.49	-4.23	-3.16	-4.69	-7.21	-6.52	-5.82	-2.84	-3.47	-2.46	-3.13
θ (165°)	-10.08	-7.61	-7.46	-9.2	-11.02	-9.03	-7.55	-6.95	-6.51	-5.76	-6.01	-7.44	-8.17	-6.37	-4.38	-3.6	-3.51	-3.9	-3.73	-3.96	-4.94	-5.35	-5.45	-6.9	-10.08
θ (180°)	-11.87	-12.02	-13.46	-16.21	-18.22	-16.96	-14.15	-12.22	-10.53	-9.99	-9.32	-9.28	-10.06	-11.79	-15.37	-17.61	-16.01	-14.41	-12.37	-10.94	-9.97	-9.3	-9.98	-10.99	-11.87
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-13.66	-13.69	-12.41	-11.36	-10.75	-10.65	-10.77	-10.93	-11.43	-11.58	-13.64	-14.7	-15.78	-14.66	-13.67	-11.43	-10.13	-10	-9.1	-9.39	-10.22	-10.35	-12.25	-13.81	-13.66
θ (15°)	-10.08	-10.16	-9.22	-8.74	-8.66	-9.21	-11.52	-13.29	-12.43	-12.35	-12.25	-13.08	-16.75	-18.01	-13.85	-12.59	-13.55	-14.76	-12.95	-10.63	-9.82	-10.13	-9.59	-9.6	-10.08
θ (30°)	-5.56	-6.21	-4.18	[-3.62]	-4.64	-6.45	-8.08	-9.17	-10.04	-5.67	-8.08	-8.18	-11.42	-13.97	-8.68	-5.73	-7.4	-11.21	-7.05	-5.94	-5.16	-6.18	-5.11	-5.03	-5.56
θ (45°)	-13.13	-9.68	-10.96	-7.9	-12.12	-12.46	-10.29	-8.99	-9.59	-7.77	-8.13	-13.42	-14.4	-11.88	-14.73	-7.61	-8.24	-9.83	-10.92	-10.73	-7.77	-10.37	-10.68	-14.53	-13.13
θ (60°)	-9.2	-11.08	-7.61	-5.84	-7.57	-7.22	-6.98	-6.74	-10.03	-13.7	-6.22	-8.15	-10.65	-16.16	-10.17	-14.16	-7.87	-6.93	-6.87	-6.52	-8.81	-11.7	-9.09	-7.48	-9.2
θ (75°)	-13.1	-7.9	-5.87	-6.3	-6.63	-6.84	-9.26	-6.85	-9.06	-9.18	-6.76	-9.93	-13.61	-11.06	-12.9	-15.94	-14.37	-10.21	-8.91	-9.48	-8.75	-6.55	-7.07	-9.26	-13.1
θ (90°)	-11.01	-10.24	-10.97	-11.88	-11.44	-14.35	-15.09	-12.33	-15.68	-12.56	-8.26	-14.03	-14.39	-12.53	-12.58	-11.57	-9.9	-10.96	-13.76	-11.59	-9.99	-11.63	-9.19	-9.51	-11.01
θ (105°)	-9.53	-15.88	-10.27	-7.16	-8.21	-10.32	-12.85	-15.17	-12.79	-13.48	-8.56	-11.36	-12.18	-10.85	-15.65	-9.86	-11.59	-12.7	-12.74	-11.93	-8.97	-8.92	-8.92	-10.37	-9.53
θ (120°)	-16.25	-15.05	-11.17	-11.69	-11.49	-9.17	-8.11	-6.94	-9.08	-10.07	-9.11	-8.88	-14.61	-15	-12.75	-10.84	-6.49	-9.74	-10.95	-8.01	-11.48	-10.05	-14.35	-14.4	-16.25
θ (135°)	-17.44	-11.95	-11.64	-13.13	-15.25	-10.08	-13.81	-12.21	-10.96	-10.57	-11	-8.78	-12.51	-13.83	-13.7	-9.99	-12.21	-11.64	-14.7	-8.72	-12.47	-7.73	-11.43	-17.35	-17.44
θ (150°)	-13.99	-9.83	-12.76	-14.43	-14.73	-13.09	-10.16	-9.62	-11.61	-10.41	-10.02	-11.21	-10.64	-11.53	-9.42	-12.44	-10.22	-11.08	-9.32	-10.02	-10.45	-11.29	-10.06	-8.4	-13.99
θ (165°)	-8.97	-7.83	-8.6	-9.58	-10.64	-10.96	-12.92	-14.24	-12.8	-14.52	-13.86	-16.55	-11.34	-10.2	-8.95	-8.02	-8.29	-8.89	-11.09	-11.79	-11.99	-10.82	-14.35	-18.61	-8.97
θ (180°)	-13.91	-11.7	-9.36	-8.59	-9.64	-10.25	-11.32	-12.06	-12.87	-14.21	-19.03	-20.45	-16.03	-12.84	-12.11	-10.19	-10.71	-10.2	-10.23	-11.32	-11.83	-13.77	-15.31	-16.38	-13.91

A.2 Antenna Pattern Test Plots

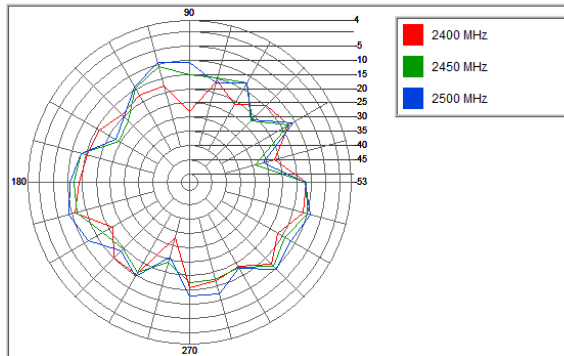


X-Y Plane (Ant 2)

Ant 2, Theta, XY-Plan

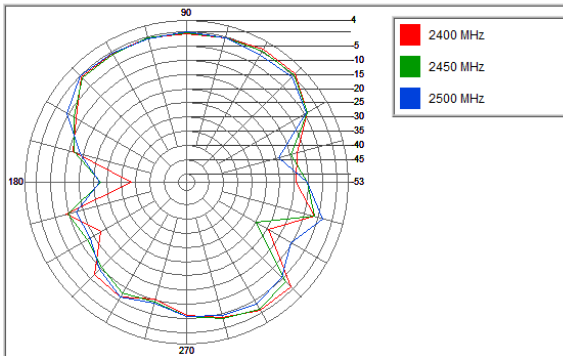


Ant 2, Phi, XY-Plan

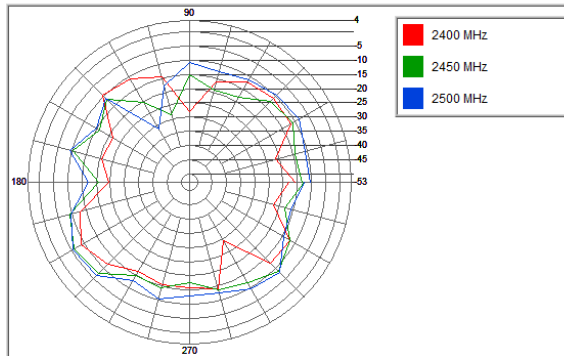


Y-Z Plane (Ant 2)

Ant 2, Theta, YZ-Plan

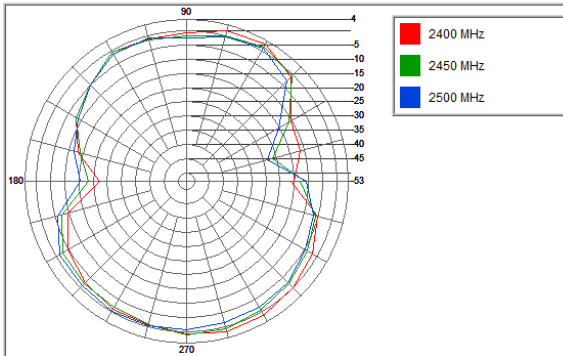


Ant 2, Phi, YZ-Plan

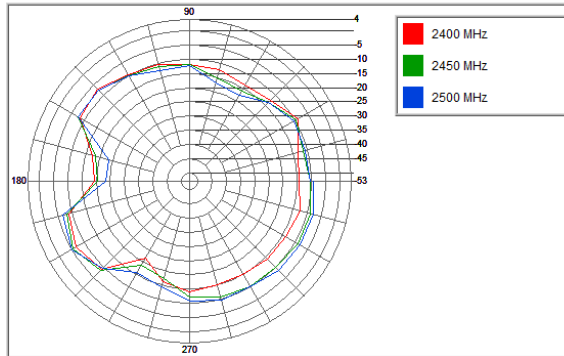


Z-X Plane (Ant 2)

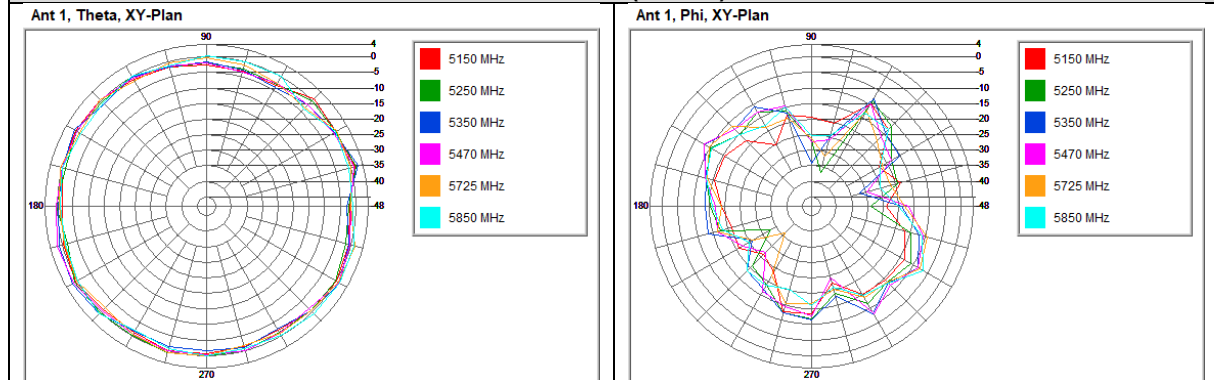
Ant 2, Theta, XZ-Plan



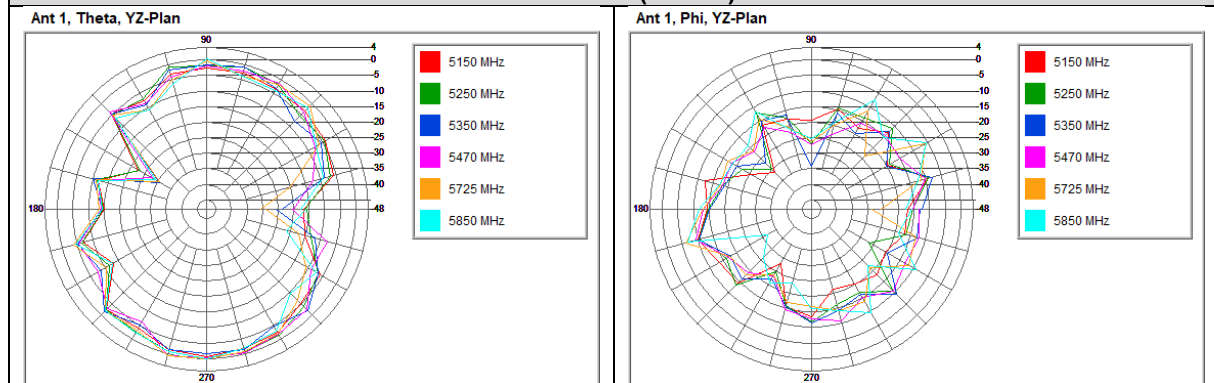
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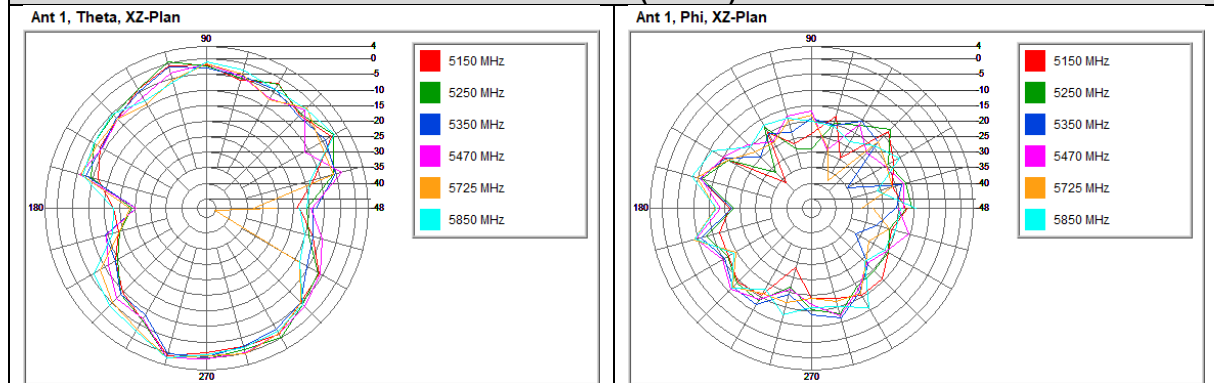
X-Y Plane (Ant 1)



Y-Z Plane (Ant 1)

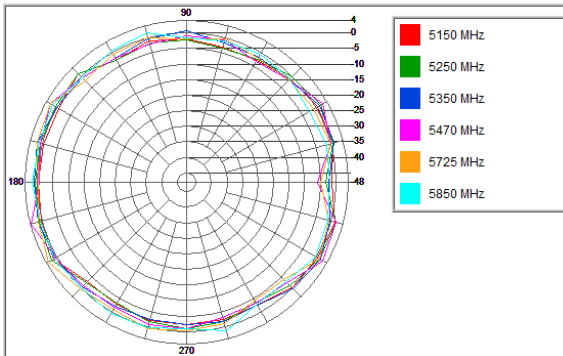


Z-X Plane (Ant 1)

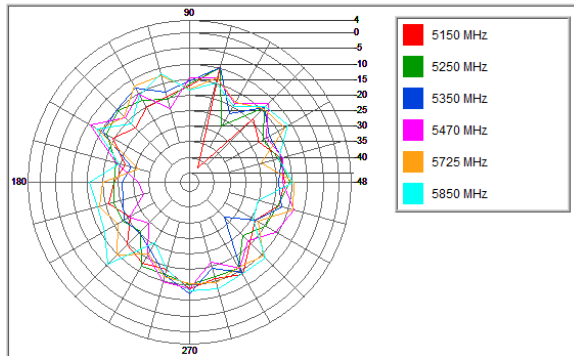


X-Y Plane (Ant 2)

Ant 2, Theta, XY-Plan

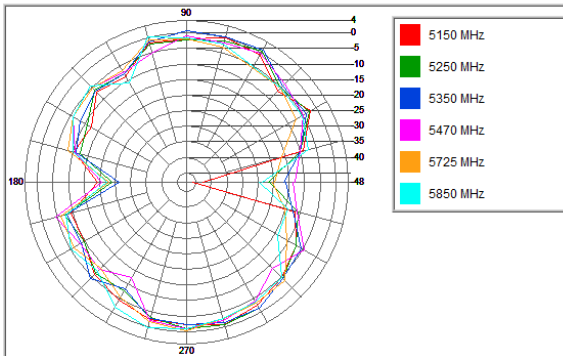


Ant 2, Phi, XY-Plan

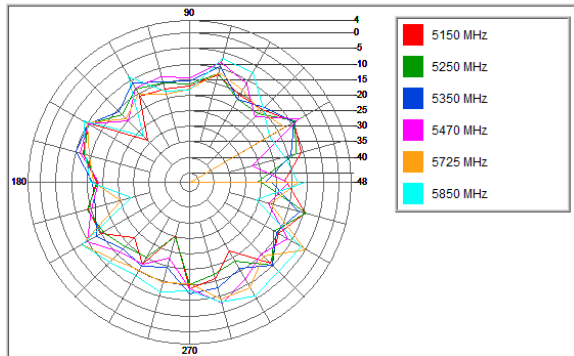


Y-Z Plane (Ant 2)

Ant 2, Theta, YZ-Plan

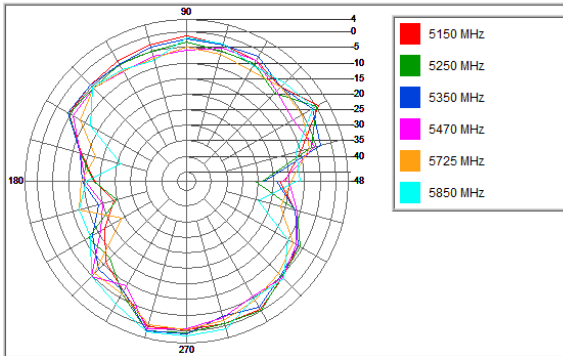


Ant 2, Phi, YZ-Plan

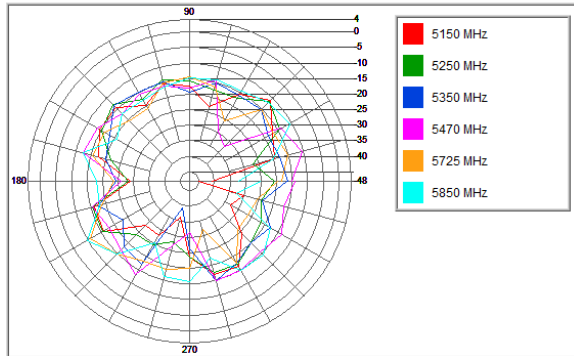


Z-X Plane (Ant 2)

Ant 2, Theta, XZ-Plan

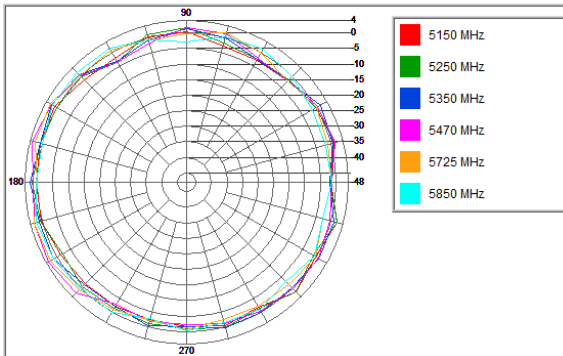


Ant 2, Phi, XZ-Plan

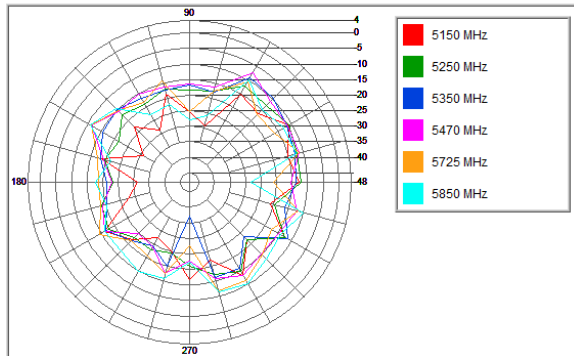


X-Y Plane (Ant 3)

Ant 3, Theta, XY-Plan

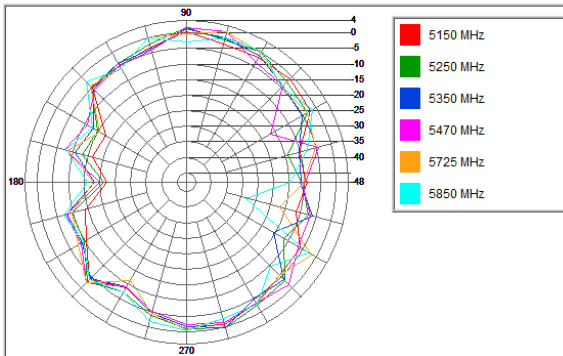


Ant 3, Phi, XY-Plan

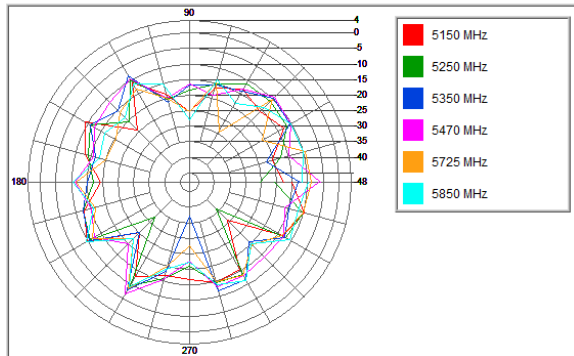


Y-Z Plane (Ant 3)

Ant 3, Theta, YZ-Plan

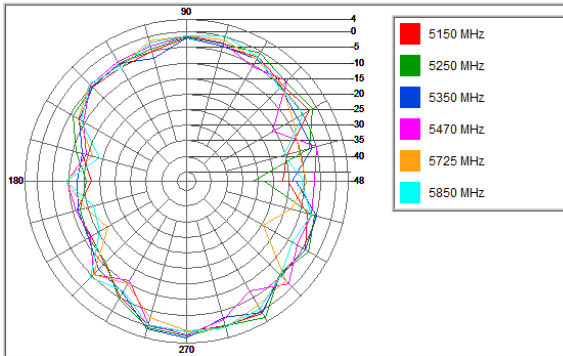


Ant 3, Phi, YZ-Plan

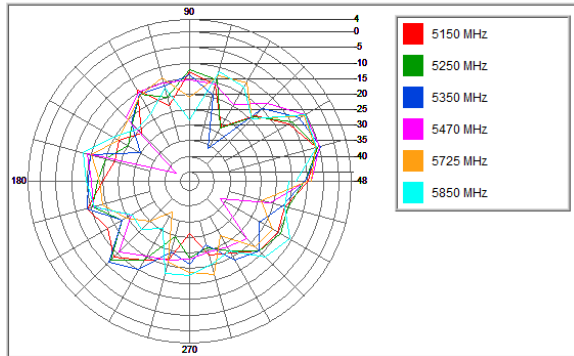


Z-X Plane (Ant 3)

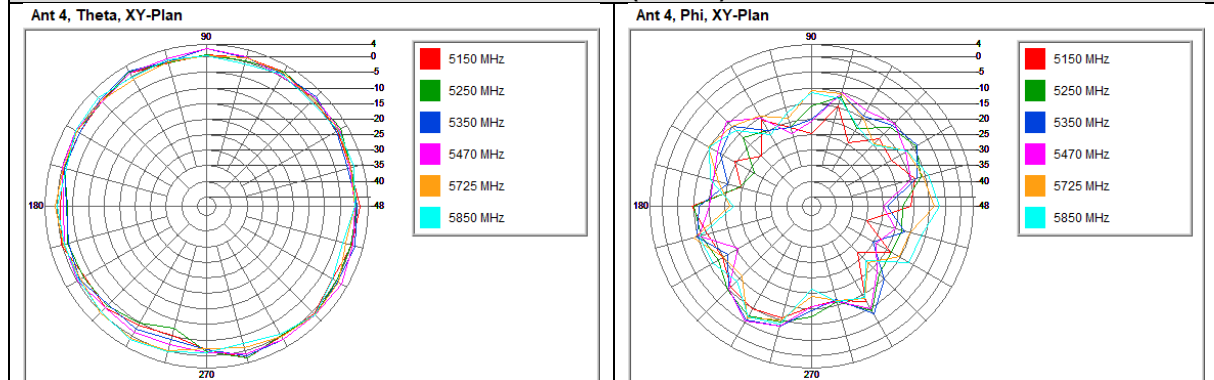
Ant 3, Theta, XZ-Plan



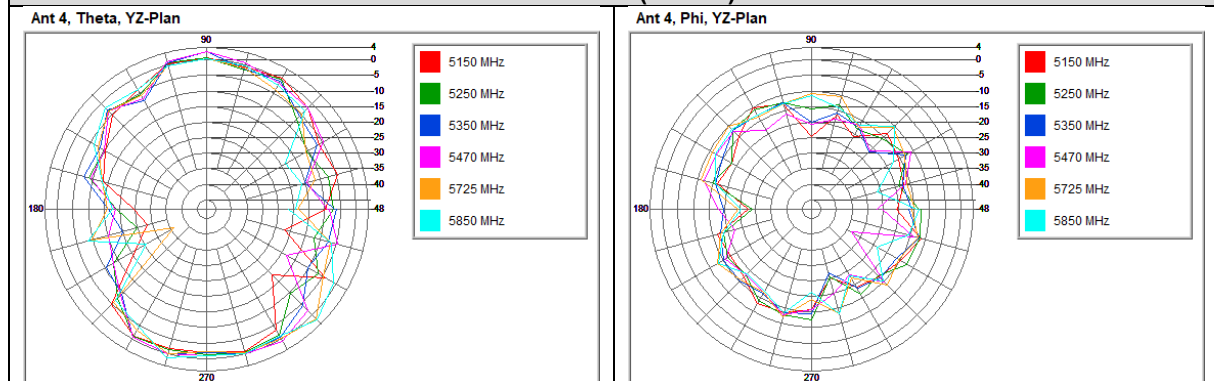
Ant 3, Phi, XZ-Plan



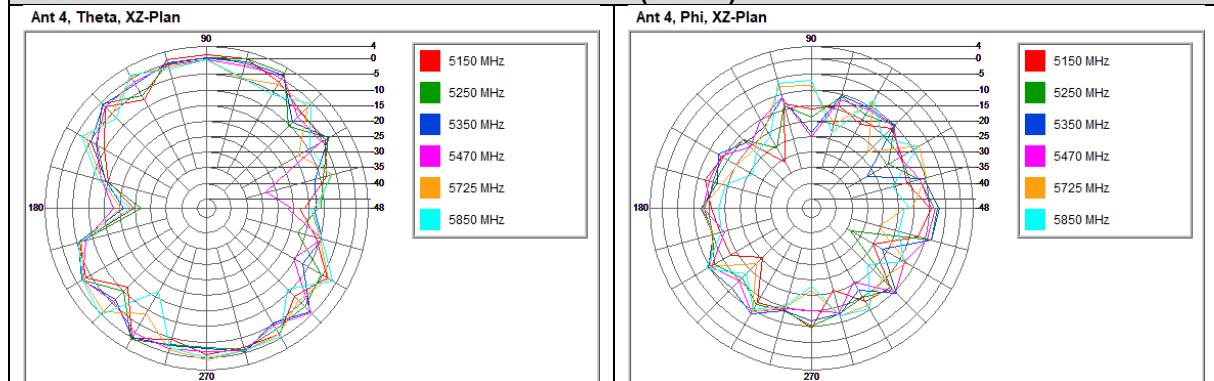
X-Y Plane (Ant 4)



Y-Z Plane (Ant 4)



Z-X Plane (Ant 4)



APPENDIX B –Test Setup and EUT antenna port photo

B.1 Antenna Location (Configuration and RF Chains)

Please refer to the documents "ORxxxx-WTW-P24020330_ASUS_TUF-BE6500_Antenna measurement Report_APPENDIX"

B.2 Test Setup Diagram for EUT

Please refer to the documents "ORxxxx-WTW-P24020330_ASUS_TUF-BE6500_Antenna measurement Report_APPENDIX"

APPENDIX C - Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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