

Antenna Gain Measurement Report

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Model No.: T-Mobile Wi-Fi Mesh V2 Access Point

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TAF Number: 2770 (OTA3-HY)

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Release Control Record

Issue No.	Description	Date Issued
ORBCMA-WTW-P25030795	Original release	2025.7.15

1 EUT Antenna System Description

1.1 Antenna Information

Frequency range	Brand	Model	Antenna Type	Connector Type	Antenna NO.	RF Chain NO.
2.4~2.4835GHz	HONGBO	290-70562	Monopole	ipex(MHF)	1_DB	0
5.15~5.25GHz			Monopole	ipex(MHF)		
5.25~5.35GHz			Monopole	ipex(MHF)		
5.47~5.725GHz			Monopole	ipex(MHF)		
5.725~5.85GHz			Monopole	ipex(MHF)		
2.4~2.4835GHz	HONGBO	290-70563	Monopole	ipex(MHF)	2_DB	1
5.15~5.25GHz			Monopole	ipex(MHF)		
5.25~5.35GHz			Monopole	ipex(MHF)		
5.47~5.725GHz			Monopole	ipex(MHF)		
5.725~5.85GHz			Monopole	ipex(MHF)		
2.4~2.4835GHz	HONGBO	290-70564	Monopole	ipex(MHF)	3_DB	2
5.15~5.25GHz			Monopole	ipex(MHF)		
5.25~5.35GHz			Monopole	ipex(MHF)		
5.47~5.725GHz			Monopole	ipex(MHF)		
5.725~5.85GHz			Monopole	ipex(MHF)		
2.4~2.4835GHz	HONGBO	290-70565	Monopole	ipex(MHF)	4_DB	3
5.15~5.25GHz			Monopole	ipex(MHF)		
5.25~5.35GHz			Monopole	ipex(MHF)		
5.47~5.725GHz			Monopole	ipex(MHF)		
5.725~5.85GHz			Monopole	ipex(MHF)		
5.15~5.25GHz	HONGBO	290-70566	Monopole	ipex(MHF)	5_RX	0
5.25~5.35GHz			Monopole	ipex(MHF)		
5.47~5.725GHz			Monopole	ipex(MHF)		
5.725~5.85GHz			Monopole	ipex(MHF)		
2.4~2.4835GHz	HONGBO	290-70567	Monopole	ipex(MHF)	6_BT	BJ1
2.4~2.4835GHz	HONGBO	290-70568	Monopole	ipex(MHF)	7_ioT	ZJ1

1.2 Antenna Location (Configuration and RF Chains)

Please refer to Test Setup and EUT antenna port photos. (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 θ 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..

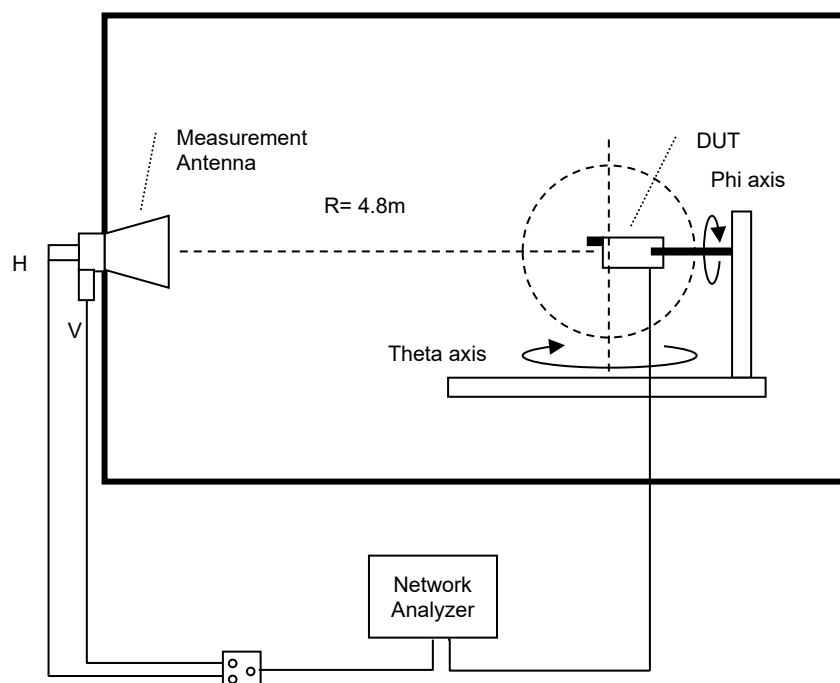


Figure 1. Antenna Pattern Test System.

2.4 Block diagram of calibration

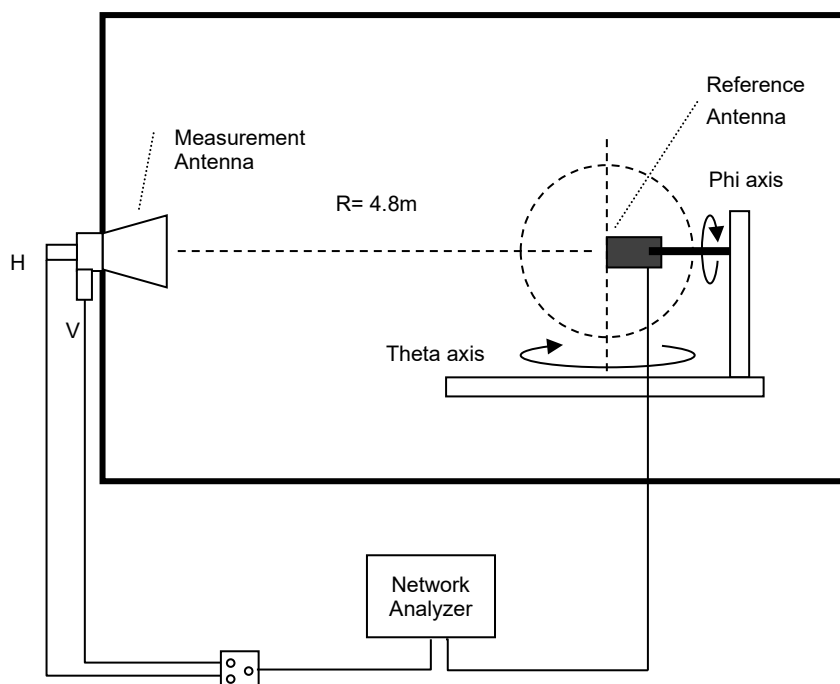
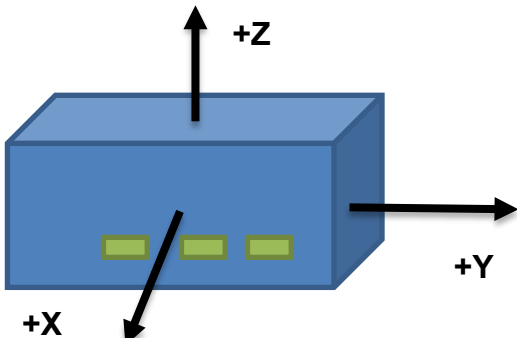


Figure 2. Calibration configuration.

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

2.4 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11b	4TX	4RX
802.11g	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
VHT20	4TX	4RX
VHT40	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11be (EHT20)	4TX	4RX
802.11be (EHT40)	4TX	4RX

5 GHz Band		
Modulation Mode	TX & RX Configuration	
802.11a	4TX	4RX
802.11n (HT20)	4TX	4RX
802.11n (HT40)	4TX	4RX
802.11ac (VHT20)	4TX	4RX
802.11ac (VHT40)	4TX	4RX
802.11ac (VHT80)	4TX	4RX
802.11ac (VHT160)	4TX	4RX
802.11ax (HE20)	4TX	4RX
802.11ax (HE40)	4TX	4RX
802.11ax (HE80)	4TX	4RX
802.11ax (HE160)	4TX	4RX
802.11be (EHT20)	4TX	4RX
802.11be (EHT40)	4TX	4RX
802.11be (EHT80)	4TX	4RX
802.11be (EHT160)	4TX	4RX

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	2024/5/30	2025/5/29	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 (MHz)	2450	5200	5300	5600	5785	-	-	-	-
Ant. 1 (dBi)	3.11	4.29	4.11	3.70	3.90	-	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	-	-	-	-
Axis: Theta(°)	60	105	75	60	60	-	-	-	-
Axis: Phi(°)	105	15	15	15	15	-	-	-	-
Ant. 2 (dBi)	2.79	1.72	1.88	2.69	2.59	-	-	-	-
Polarization	Phi	Theta	Theta	Phi	Phi	-	-	-	-
Axis: Theta(°)	45	75	75	30	30	-	-	-	-
Axis: Phi(°)	240	345	345	240	240	-	-	-	-
Ant. 3 (dBi)	3.18	-0.59	0.3	0.67	0.87	-	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	-	-	-	-
Axis: Theta(°)	75	75	75	75	75	-	-	-	-
Axis: Phi(°)	0	0	0	0	0	-	-	-	-
Ant. 4 (dBi)	2.75	2.73	2.18	1.63	2.74	-	-	-	-
Polarization	Phi	Theta	Theta	Phi	Theta	-	-	-	-
Axis: Theta(°)	15	90	90	150	90	-	-	-	-
Axis: Phi(°)	0	165	165	210	210	-	-	-	-

Maximum Directional Gain (Maximum Direction Angle and Value):

Frequency Band (MHz)	2450	5200	5300	5600	5785	-	-	-	-
Ant. 1 (dBi)	3.11	1.34	1.88	2.6	2.84	-	-	-	-
Ant. 2 (dBi)	-9.91	-2.26	-2.36	-3.38	-3.23	-	-	-	-
Ant. 3 (dBi)	0.48	-4.52	-2.98	-3.47	-5.86	-	-	-	-
Ant. 4 (dBi)	-1.91	2.73	2.18	0.82	1.97	-	-	-	-
Polarization	Theta	Theta	Theta	Theta	Theta	-	-	-	-
Axis: Theta(°)	60	90	90	90	90	-	-	-	-
Axis: Phi(°)	105	165	165	165	165	-	-	-	-
Correlated Signals DG Calculation $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$									
DG (dBi) [1SS]	5.13	5.8	6.02	5.57	5.67	-	-	-	-

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.
- ◆ For single antenna peak gain, the values are used only to calculate the directional gain reference. For the worst-case antenna gain values as noted in the test report, please refer to the antenna datasheet.
- ◆ The NSS1, NSS2, NSS3, and NSS4 of spatial streams are supported, with NSS1 being evaluated in the test report as the worst-case.

APPENDIX A – Detail Test Data Information

A.1 Radiated Directional Gain

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°)	-28.39	-18.91	-12.37	-9.15	-7.15	-5.92	-5.42	-5.61	-6.4	-7.96	-10.54	-14.77	-24.57	-24.31	-15.03	-10.81	-8.25	-6.62	-5.84	-5.79	-6.48	-8.01	-10.68	-15.38	-28.39
θ (15°)	-11.38	-7.56	-4.95	-3.34	-2.37	-1.87	-1.9	-2.29	-2.89	-3.57	-4.36	-5.42	-7.1	-9.9	-14.78	-22.46	-15.59	-11.26	-9.27	-8.43	-8.41	-9.21	-11.06	-12.37	-11.38
θ (30°)	-6.47	-4.35	-2.42	-1.12	-0.56	-0.43	-0.34	-0.17	-0.07	-0.32	-1.29	-3.28	-6.11	-9.57	-14.39	-26.84	-19.49	-12.59	-9.11	-6.78	-6.22	-6.9	-7.38	-7.65	-6.47
θ (45°)	-2.98	-1.3	-0.2	0.37	0.58	0.87	1.44	1.61	0.84	-1.43	-6.98	-26.49	-11.79	-7.57	-6.59	-6.53	-6.04	-5.45	-5.86	-4.54	-3.05	-5.48	-6.71	-4.27	-2.98
θ (60°)	-1.48	-1.07	-0.02	0.85	0.96	1.28	2.53	[3.11]	1.61	-2.08	-7.64	-4.38	-1.1	-0.21	-0.39	-0.83	-0.86	-0.97	-2.59	-2.86	-2.67	-2.3	-5.89	-4.17	-1.48
θ (75°)	-2.06	-0.25	0.61	1.37	1.7	1.78	2.39	1.88	-0.29	-1.16	-1.49	-0.69	-0.6	-1.16	-1.4	-1.27	-0.41	1.01	-0.23	-4.46	-0.56	-1.02	-1.27	-3.23	-2.06
θ (90°)	-1.26	-1.41	0.6	2.06	2	1.05	0.8	0.39	-1.18	-1.33	-2.06	-2.51	-4.68	-5.87	-4.54	-4.33	-3.09	-0.14	0.09	-1.43	-1.75	1.9	1.42	-0.11	-1.26
θ (105°)	-0.15	-0.51	0.22	0.41	-1.12	-2.45	-2.33	-2.01	-3.74	-6.28	-6.66	-9.85	-8.4	-4.04	-2.61	-2.66	-2.59	-0.88	0.58	-1.53	-2.51	0.11	1.92	1.62	-0.15
θ (120°)	-3.83	-3.68	-3.27	-3.31	-4.25	-4.81	-3.38	-2.64	-6.89	-12.83	-5.67	-6.46	-7.63	-5.19	-4.41	-3.82	-1.65	-0.32	-1.4	-0.79	-1.44	-4.6	-3.45	-3.55	-3.83
θ (135°)	-8.67	-8.81	-8.03	-7.78	-8.35	-6.6	-4.76	-6.63	-20.28	-10.36	-7.29	-7.46	-6.75	-6.6	-6.72	-4.91	-1.94	-0.19	-0.92	-2.99	-1.06	-0.37	-3.41	-7.25	-8.67
θ (150°)	-6.93	-13.84	-16	-11.74	-9.79	-8.54	-8.73	-11.24	-16.52	-22.09	-19.19	-14.85	-12.26	-11.29	-11.02	-9.88	-7.38	-4.24	-2.18	-2.29	-4.05	-3.02	-1.08	-1.76	-6.93
θ (165°)	-4.95	-6.12	-8.07	-10.19	-11.76	-12.63	-13.28	-15.06	-19.72	-29.27	-19.97	-16.08	-15.44	-15.96	-15.9	-13.5	-10.69	-8.28	-6.89	-7.21	-9.96	-12.59	-8.24	-5.75	-4.95
θ (180°)	-14.42	-16.58	-20.57	-21.22	-17.62	-15.33	-13.64	-12.51	-12.25	-12.54	-13.01	-13.42	-14.13	-15.67	-17.48	-17.78	-17.21	-15.75	-13.92	-12.4	-11.42	-11.11	-11.46	-12.44	-14.42
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°)	-4.41	-4.69	-5.79	-7.68	-10.6	-15.65	-28.39	-18.6	-12.61	-9.7	-8.05	-7.08	-6.57	-6.48	-7.03	-8.64	-11.52	-17.24	-38.98	-16.74	-10.97	-7.76	-5.85	-4.74	-4.41
θ (15°)	-3	-3.84	-5.53	-8.12	-12.08	-20.11	-24.41	-15.4	-12.56	-11.18	-9.87	-8.42	-7.13	-6.28	-6.16	-7.13	-10.14	-17.11	-24.96	-13.07	-8.48	-5.85	-4.13	-3.32	-3
θ (30°)	-2.42	-3.35	-5.59	-8.87	-12.73	-16.39	-15.69	-13.28	-11.81	-10.49	-8.76	-7.59	-7.43	-7.39	-6.9	-6.7	-8.14	-13.02	-21.57	-14.99	-9.09	-5.34	-3.4	-2.44	-2.42
θ (45°)	-4.25	-6.64	-9.37	-11.15	-11.98	-12	-10.86	-9.59	-9.5	-8.8	-8.3	-9.83	-15.71	-19.87	-11.48	-8.65	-9.09	-13.25	-14.26	-11.17	-11.05	-5.27	-2.37	-2.53	-4.25
θ (60°)	-6.07	-8	-9.16	-9.5	-8.57	-7.6	-7.89	-7.83	-6.98	-5.73	-4.19	-5.18	-8.51	-10.53	-11.04	-11.36	-12.73	-19.24	-15.89	-14.31	-9.97	-9.06	-5.37	-3.3	-6.07
θ (75°)	-4.95	-10.7	-20.58	-10.44	-5.95	-4.36	-5.83	-4.4	-2.53	[-2.25]	-4.25	-7.41	-5.75	-4.52	-5.64	-8.91	-14.04	-19.42	-26.1	-12.18	-17.61	-11.55	-7.41	-5.03	-4.95
θ (90°)	-4.23	-4.79	-8.8	-23.63	-14.5	-8.45	-7.23	-5.79	-3.55	-3.52	-5.09	-9.9	-6.23	-3.34	-3.86	-5.66	-7.63	-11.82	-19.45	-14.07	-9.5	-8.44	-11.12	-5.05	-4.23
θ (105°)	-4.13	-6.48	-11.33	-21.15	-17.7	-13.04	-12.2	-7.53	-4.78	-4.67	-10.28	-17.9	-7.27	-4.78	-4.06	-3.68	-3.8	-5.63	-13.14	-14.06	-7.76	-4.09	-5.45	-6.9	-4.13
θ (120°)	-12.9	-11.17	-12.86	-13.86	-13.87	-23.97	-17.66	-13.36	-9.81	-7.82	-10.85	-19.3	-10.89	-7.09	-5.85	-5.14	-5.21	-5.94	-9.33	-14.33	-6.02	-5.65	-6.26	-7.93	-12.9
θ (135°)	-18.48	-24.16	-23.26	-17.65	-14.98	-15.94	-12.81	-6.98	-4.3	-4.5	-7.19	-11.63	-12.34	-9.2	-6.83	-6.04	-6.45	-7.53	-12.06	-16.4	-6.87	-6.33	-10.94	-15.29	-18.48
θ (150°)	-15.43	-16.66	-17	-11.14	-7.64	-5.94	-4.91	-4.08	-3.72	-4.47	-6.66	-10.78	-17.4	-18.11	-12.44	-8.95	-6.77	-5.85	-7.08	-13.3	-18.08	-10.58	-12.12	-16.9	-15.43
θ (165°)	-13.99	-11.69	-12.24	-14.84	-20.37	-22.67	-14.9	-11.14	-9.54	-9.42	-10.75	-13.88	-19.22	-19.54	-13.88	-10.69	-9.51	-10.33	-14.53	-28.49	-16.08	-12.06	-12.72	-15.37	-13.99
θ (180°)	-17.01	-14.62	-12.69	-11.71	-11.6	-11.85	-12.72	-14.55	-16.96	-18.55	-17.99	-16.51	-15.15	-13.86	-12.56	-11.54	-11.44	-11.93	-12.74	-14.07	-16.27	-19.47	-22.59	-21.32	-17.01

Ant.	No.1																								
Freq (MHz)	5200																								
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°)	-7.57	-7.97	-8.71	-8.25	-6.83	-6.57	-6.06	-5.51	-5.31	-5.28	-6	-7.33	-8.66	-9.36	-9.93	-9.63	-7.99	-6.74	-6.15	-5.84	-5.46	-5.38	-6.04	-6.92	-7.57
θ (15°)	-7.91	-3.79	-1.56	-0.19	0.31	-0.71	-2.12	-2.46	-2.52	-3.3	-5.43	-9.57	-19.5	-15	-10.4	-8.68	-8.72	-10	-10.9	-10.2	-9.96	-11	-14.3	-14.4	-7.91
θ (30°)	-4.97	-2.72	-1.75	-0.99	0.26	0.94	-0.06	-1.74	-1.59	-0.64	0.55	-0.18	-3.5	-10.2	-21.5	-29.8	-17.2	-10.9	-10.1	-18	-19	-14	-13.1	-9.91	-4.97
θ (45°)	-2.64	-0.13	0.76	-0.63	-0.08	0.88	-0.96	0.34	0.76	1.01	0.6	-3.15	-11.2	-22.4	-13.9	-10.4	-12.4	-9.21	-9.77	-10.3	-9.94	-9.04	-7.8	-5.51	-2.64
θ (60°)	-2.96	-0.59	-0.24	-1	0.95	0.74	1.65	1.77	-0.29	2.26	-0.05	1.88	-8.41	-4.61	-6.31	-3.65	-3.72	-6.24	-5.4	-6.42	-3.11	-9.1	-3.37	-4.01	-2.96
θ (75°)	0.54	3.57	-1.74	-0.18	1.83	2.06	2.41	1.36	2.88	-1.76	1.68	-0.17	-3.19	1	-2.21	-0.22	-3.1	-2.75	-6.85	-0.58	-1.21	-2.03	1.44	-0.84	0.54
θ (90°)	-3.08	1.83	-5.13	-2.76	0.44	0.28	1.95	1.78	0.34	2.06	-7.26	1.34	-9.53	0.95	-0.12	-1.56	-3.46	-2.05	-4.96	-2.21	0.01	-1.5	1.26	-0.53	-3.08
θ (105°)	1.76	[4.29]	-4.11	-3.07	2.67	1	0.93	1.1	1.01	-1.13	-7.31	-6.64	-5.9	-3.43	-10.7	-2.66	-3.88	-3.41	-4.79	-0.38	0.81	1.67	1.63	-0.92	1.76
θ (120°)	-1.56	1.03	0.84	-4.04	-0.35	0.95	-0.46	1.18	-2.12	-0.05	-8.27	-8.9	-21.5	-9.04	-8.17	-14.8	-8.71	-4.33	-7.32	-4.06	-2.56	-2.1	-1.58	-0.71	-1.56
θ (135°)	-5.58	-4.7	-6.29	-8.17	-6.95	-8.9	-9.12	-3.59	-6.25	-5.74	-14.8	-7.28	-9.09	-14.3	-13.5	-5.8	-7.07	-7.54	-9.93	-4.37	-4.05	-3.44	-3.92	-6.13	-5.58
θ (150°)	-8.36	-7.3	-7.38	-6.8	-5.9	-5.96	-3.42	-3.41	-6.64	-10.4	-12.7	-8.25	-8.11	-9.73	-11.7	-5.89	-5.42	-8.8	-7.98	-6.68	-5.45	-5.14	-6.14	-7.7	-8.36
θ (165°)	-13.2	-11.5	-9.01	-7.05	-6.53	-7.27	-9.21	-14.8	-23.4	-15	-13.4	-14.7	-16.7	-18.8	-20.3	-18.5	-21.3	-24.8	-18.1	-15.3	-13.2	-12.1	-12	-12.8	-13.2
θ (180°)	-24.1	-20.1	-15.9	-13.5	-12.4	-11.5	-10.6	-10.8	-11.6	-13.4	-15.4	-19.4	-27.1	-25.1	-20.9	-17	-15.9	-14.5	-12.8	-12.8	-13.5	-13.7	-15.8	-20.1	-24.1
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°)	-5.14	-4.79	-4.44	-4.41	-5.21	-5.9	-6.31	-7.16	-7.88	-8.51	-7.89	-6.47	-5.57	-5.12	-4.92	-4.95	-5.27	-5.86	-6.79	-7.67	-7.69	-7.35	-6.44	-5.79	-5.14
θ (15°)	[-1.56]	-2.36	-4.16	-7.24	-9.75	-7.05	-5.38	-7.52	-13.5	-11.7	-6.47	-4.1	-3.2	-3.34	-5.14	-8.12	-12	-15.2	-16.6	-12.8	-8.04	-4.59	-2.44	-1.65	-1.56
θ (30°)	-1.83	-2.26	-4.52	-8.1	-10.7	-10.1	-8.8	-11.6	-8.38	-6.98	-8.15	-5.71	-3.12	-3.54	-6	-9.33	-11.7	-12.8	-17.3	-17	-8.7	-5.67	-3.84	-2.47	-1.83
θ (45°)	-2.17	-2.45	-4.92	-7.59	-7.17	-7.55	-12.4	-11	-10.4	-26.6	-7.49	-2.97	-4.68	-9.23	-11.6	-9.5	-12.6	-20.3	-15.8	-26.9	-7.37	-3.19	-2.23	-1.7	-2.17
θ (60°)	-5.99	-4.64	-5.13	-4.82	-6.15	-10.1	-11.9	-12.6	-17	-10.5	-4.9	-3.87	-5.55	-8.1	-6.58	-11.2	-7.34	-10.9	-14.9	-14.6	-14.2	-4.19	-2.65	-4.85	-5.99
θ (75°)	-11.8	-11.2	-13.3	-7.59	-13.5	-8.87	-8.47	-29	-12.7	-3.82	-4.36	-8.66	-20.9	-5.91	-5.36	-14.8	-14.5	-19.6	-20.8	-14	-9.09	-9.88	-6.77	-7.86	-11.8
θ (90°)	-11.1	-11.7	-15.2	-14	-14.8	-12.5	-9.6	-12.8	-12.4	-6.85	-8.91	-11.1	-17.2	-7.42	-8.17	-23.8	-19.3	-24	-17.9	-13.7	-9.34	-8.33	-14.9	-9.21	-11.1
θ (105°)	-9.76	-8.38	-20.8	-23.2	-20.9	-13.8	-13.1	-24.2	-9.28	-5.25	-8.88	-10.2	-28.3	-9.57	-13.5	-10.8	-13.6	-18.4	-13.4	-11.3	-11.8	-10.2	-15.5	-11.9	-9.76
θ (120°)	-9.82	-11.5	-16.2	-12.2	-24.9	-12.7	-13.1	-11.4	-15.6	-6.17	-6.53	-5.12	-13	-6.85	-3.08	-12.3	-10.2	-13.6	-16.1	-26.3	-12.3	-11.4	-20.3	-10.8	-9.82
θ (135°)	-8.42	-9.37	-24.4	-9.3	-7.31	-18.5	-16.4	-11.4	-13.8	-9.95	-7.58	-4.86	-14.2	-5.9	-2.79	-9.34	-7.32	-7.44	-16.2	-12	-10.2	-15.3	-12.9	-11.4	-8.42
θ (150°)	-7.35	-6.17	-8.03	-18.1	-9.86	-11.5	-15.6	-9.57	-9.9	-7.27	-5.75	-5.8	-7.06	-9.23	-6.58	-7.95	-8.04	-7.07	-11.8	-26.1	-13.2	-15.9	-12.6	-9.84	-7.35
θ (165°)	-15.7	-16.1	-20.9	-18.2	-19.5	-32.2	-16.7	-13.7	-10.6	-6.99	-5.36	-5.45	-7.3	-12.1	-22.2	-25	-23.3	-23.6	-30.6	-20.7	-17.2	-16.7	-20	-19.5	-15.7
θ (180°)	-10.7	-11.4	-12.7	-13.4	-16.3	-22.9	-24.9	-15.1	-11.4	-10.6	-9.65	-9.72	-11.1	-14.8	-16.7	-17.4	-20.5	-26.3	-35.3	-25.3	-19.7	-16.9	-13.2	-11.4	-10.7

Ant.	No.1																								
Freq (MHz)	5300																								
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°)	-7.7	-7.53	-6.17	-5.19	-4.82	-4.18	-4.21	-4.4	-4.74	-5.47	-6.1	-6.94	-8.09	-8.65	-7.87	-6.38	-5.52	-4.97	-4.21	-3.77	-4.49	-5.91	-6.8	-7.29	-7.7
θ (15°)	-8.63	-4.97	-1.77	0.09	0.56	-0.01	-1.74	-3	-2.84	-2.94	-4.26	-7.52	-12.6	-16.5	-11.3	-9.34	-9.81	-10.5	-8.66	-6.99	-6.75	-8.64	-11.2	-11.9	-8.63
θ (30°)	-3.25	-1.17	-0.22	-0.71	0.22	1.22	-0.17	-1.89	-2.09	-1.8	-0.48	-1.06	-4.41	-11.5	-34.3	-19.7	-15	-12.4	-15.9	-18.6	-10.3	-9.86	-11.1	-7.68	-3.25
θ (45°)	-2.58	0.26	1.47	0.26	0.16	1.64	-0.68	-1.32	0.12	-0.08	0.33	-3.19	-10.9	-20.3	-14.6	-9.63	-12.4	-11.6	-11.7	-11	-7.65	-6.34	-5.24	-4.65	-2.58
θ (60°)	-1.66	0.87	-0.18	-1.13	1.31	0.89	0.86	1.67	-0.83	0.92	-0.45	1.57	-8.75	-5	-7.28	-3.64	-4.59	-6.07	-5.93	-7.57	-4.99	-7.3	-1.56	-2.97	-1.66
θ (75°)	1.27	[4.11]	-1.63	-0.21	1.94	1.25	2.69	0.96	2.62	-0.84	1.36	0.45	-3.85	0.74	-1.84	-0.26	-3.62	-4.18	-6.68	-0.91	-2.17	-0.48	1.9	-0.99	1.27
θ (90°)	-1.98	1.87	-6.23	-0.48	-0.21	-0.27	1.66	2.32	0.32	2.09	-8.78	1.88	-9.45	0.43	-0.26	-1.09	-3.44	-1.64	-5.75	-1.78	-1.2	-1.35	1.37	-2.61	-1.98
θ (105°)	1.51	3.44	-6.17	-1.99	0.84	0.72	0.41	1.17	1.21	-0.39	-10.8	-6.36	-7.84	-4.24	-11.3	-3.33	-3.43	-3.24	-3.83	-0.4	0.22	1.49	1.47	-1.92	1.51
θ (120°)	-1.95	1.61	1.17	-2.98	0.12	0.99	-0.05	1.7	-1.79	0.22	-7.88	-6.65	-21.4	-7.79	-8.1	-15.7	-8.45	-5.04	-4.94	-3.01	-2.01	-1.58	-0.77	-1.12	-1.95
θ (135°)	-5.89	-4.25	-8.37	-16.5	-7.64	-6.39	-13.4	-4.2	-7.03	-5.6	-17.3	-8.45	-10.9	-18.1	-13.3	-6.86	-7.14	-8.92	-8.91	-3.91	-4.6	-4.25	-5.16	-7.62	-5.89
θ (150°)	-8.04	-7.19	-7.05	-7.37	-6.23	-6.09	-4.51	-3.89	-6.76	-10.1	-17.6	-12	-11.4	-12.5	-11.9	-6.27	-5.83	-8.07	-6.48	-6.22	-5.7	-5.32	-6.24	-7.4	-8.04
θ (165°)	-13	-10.8	-8.87	-7.34	-6.23	-6	-7.6	-12.5	-23.7	-19.7	-17.7	-21.4	-23.8	-22.1	-19.8	-19.2	-20	-17.3	-15.1	-14.3	-14.7	-14.3	-13.7	-14.3	-13
θ (180°)	-20.1	-20.2	-16.2	-13.7	-13.9	-13.9	-12.8	-12.1	-13.2	-15.5	-17.2	-19.9	-24	-26	-23.3	-20.7	-17.6	-16.8	-15.4	-14.6	-14.9	-16.3	-17	-18.9	-20.1
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°)	-3.19	-3.39	-4.02	-4.79	-5.01	-5.64	-6.54	-6.62	-6.14	-5.06	-4.6	-4.29	-3.83	-3.81	-4.23	-4.5	-5.26	-6.26	-6.63	-6.35	-5.53	-4.59	-4.07	-3.54	-3.19
θ (15°)	-1.35	-2.13	-4.37	-7.81	-10.3	-7.64	-4.98	-4.96	-7.67	-10.3	-7.24	-4.18	-3.08	-3.72	-5.52	-8.22	-11.3	-13	-13	-9.72	-5.97	-3.31	-2.17	-1.59	-1.35
θ (30°)	[-0.98]	-1.78	-4.02	-7.19	-12.9	-12.2	-8.24	-10.1	-6.65	-5.11	-6.23	-5.26	-4.07	-4.84	-7.96	-10.7	-12.2	-17	-17.8	-11.2	-6.68	-4.38	-3.35	-1.89	-0.98
θ (45°)	-3.01	-3.38	-5.93	-7.68	-8.59	-8.71	-12.1	-9.91	-6.58	-12	-9.81	-3.79	-3.98	-7.39	-10.2	-9.92	-16.5	-16.7	-17	-16.7	-5.46	-2.34	-2.15	-2.76	-3.01
θ (60°)	-6.18	-6.04	-7.55	-5	-5.5	-10.2	-12.7	-15.8	-21.7	-10.3	-4.82	-3.61	-4.57	-8.5	-8.37	-14	-6.97	-10.5	-11.5	-11.2	-10.2	-2.81	-2.99	-6.13	-6.18
θ (75°)	-9.34	-9.99	-15.7	-6.4	-12	-10.5	-10	-20.5	-23	-4.73	-3.77	-6.3	-18.4	-6.24	-6.49	-15.9	-12.2	-13.9	-16.1	-13.1	-8.56	-12.4	-7.41	-10.1	-9.34
θ (90°)	-9.96	-11	-21	-15.3	-16.2	-11.2	-8.25	-11.9	-13.6	-6.62	-9.19	-11	-18.3	-7.57	-9.96	-35.2	-17.8	-17	-11.4	-9.42	-8.39	-8.52	-13	-9.61	-9.96
θ (105°)	-9	-8.69	-16.7	-21.7	-39.6	-11.1	-12.7	-26.9	-9.16	-5.26	-11.3	-10.7	-24.1	-9.37	-14.4	-11.2	-15	-24.4	-10.9	-10.1	-13.5	-12.8	-14.1	-12.5	-9
θ (120°)	-9.35	-9.94	-14.6	-8.87	-13.9	-13.5	-12.5	-11	-23.1	-8.1	-8.76	-5.43	-10.2	-7.25	-3.21	-14.4	-9.88	-13.8	-14.9	-21.8	-14.8	-13.6	-36.3	-11.2	-9.35
θ (135°)	-10.1	-11.4	-24.3	-7.34	-5.39	-14.8	-15.6	-11.6	-11.2	-10.9	-9.14	-5.34	-14	-5.76	-2.56	-11.5	-6.81	-7.2	-16.5	-13.1	-11.8	-17.3	-12.5	-11.5	-10.1
θ (150°)	-8.16	-6.32	-6.79	-14	-8.1	-8.63	-12.5	-8.47	-9.6	-8.19	-5.69	-5.77	-7.06	-8.07	-6.51	-7.8	-7.42	-6.89	-10.9	-26.9	-13.1	-18.1	-12.3	-9.61	-8.16
θ (165°)	-13.3	-13.4	-14.1	-19.3	-21.5	-29.4	-15	-12.8	-11	-7.07	-4.7	-4.75	-7.34	-12.8	-23	-21	-19	-22.3	-30.7	-18.7	-13.2	-12.9	-13.9	-13.5	-13.3
θ (180°)	-12.5	-11.6	-13.2	-17.2	-17.8	-21.4	-24.4	-15.6	-12.6	-11.7	-11.7	-12.2	-14.7	-17.1	-16.7	-19.7	-24.3	-25.2	-30.5	-27	-23	-19.2	-16.8	-15.2	-12.5

Ant.	No.1																										
Freq (MHz)	5600																										
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	-7.66	-4.73	-2.63	-1.34	-0.77	-0.71	-1.27	-2.38	-3.89	-6.62	-10.1	-11.3	-8.52	-5	-2.69	-1.53	-0.85	-0.64	-1.08	-2.42	-4.06	-6.8	-10.7	-11		
θ (15°)	-8.05	-5.13	-2.63	-0.28	1.23	1.86	1.08	-1.27	-3.65	-4.57	-5.92	-9.78	-17.9	-21.3	-12.7	-9.1	-6.63	-4.37	-2.88	-2.93	-4.7	-7.95	-11.3	-11.7	-8.05		
θ (30°)	-5.1	-2.71	-1.21	-1.18	-1.04	1.42	1.82	-0.94	-2.12	-2.24	-1.9	-2.17	-4.29	-10.8	-21.2	-9.28	-8.76	-12.5	-12.3	-8.38	-9.67	-13.6	-14.3	-10.3	-5.1		
θ (45°)	-2.2	-1.22	-1.48	-0.26	-0.01	1.39	1.46	-1.56	-0.88	0.57	-0.64	-0.54	-4.11	-12.8	-14.8	-10.5	-24.8	-19.5	-19.2	-9.87	-7.4	-7.65	-7.54	-7.11	-2.2		
θ (60°)	2.43	[3.70]	-3.52	-2.25	1.24	1.11	0.65	1.01	0.03	-1.87	-4.28	0.24	-9.96	-7.15	-11	-4.07	-7.54	-7.5	-13.1	-6.69	-6.11	-1.92	-0.31	-4.83	2.43		
θ (75°)	0.48	3.07	-7.25	0.77	-0.72	-1.33	0.18	-0.5	1.33	2.02	-1.54	1.32	-5.24	0.39	-2.34	-1.36	-4.85	-7.96	-3.7	-3.02	-2.47	1.75	1.55	-2.99	0.48		
θ (90°)	0.06	0.69	-4.6	2.42	-0.78	-0.41	0.24	2.09	-0.07	2.19	-12.4	2.6	-6.69	-1.31	-0.48	-2.56	-5.06	-3.31	-4.48	-2.65	-2.98	0.72	0.63	-8.34	0.06		
θ (105°)	-2.36	-3.62	-3.81	2.28	-5.47	-1.1	-2.49	1.2	1	0.76	-21	-5.32	-13.2	-3.71	-7.89	-4.21	-2.87	-8.29	-1.84	-1.4	-0.93	-0.89	-3.48	-6.68	-2.36		
θ (120°)	-2.15	1.23	0.58	0.01	0.51	0.63	-0.06	1.48	-1.75	-0.14	-6.15	-4.45	-20.3	-6.26	-6.25	-12.1	-7.18	-5.99	-3.04	-4.53	-1.49	-2.45	-0.84	-4.36	-2.15		
θ (135°)	-3.77	-1.77	-1.34	-4.04	-3.7	-1.82	-6.52	-3.98	-3.35	-1.26	-9.04	-15.4	-19.7	-22.8	-11.1	-5.49	-8.23	-9.9	-5.52	-4.84	-7.93	-6.27	-9.32	-6.77	-3.77		
θ (150°)	-11	-9.24	-9.36	-10.8	-9.34	-7.9	-7.62	-6.57	-7.85	-6.89	-13.3	-16.2	-11.9	-12.1	-15.4	-8.52	-8.53	-10.2	-6.9	-7.26	-8.3	-8.14	-7.34	-9.38	-11		
θ (165°)	-14	-14.1	-12.2	-9.95	-8.17	-7.07	-6.88	-9.16	-15	-29.4	-24.5	-21.5	-25.7	-21.1	-20.4	-22.7	-20	-15.3	-13.3	-14.2	-18.7	-15.3	-12.6	-13	-14		
θ (180°)	-17.1	-16.8	-17.1	-19	-23	-27.4	-31.1	-34	-24.8	-20.9	-20	-21.2	-23.3	-25.6	-29.8	-43.5	-32.6	-23.7	-20.9	-19.9	-19.4	-18.6	-16.8	-16.9	-17.1		
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°)	-0.47	-1.27	-2.25	-4.01	-7.03	-9.2	-8.52	-6.12	-4	-2.45	-1.15	-0.6	-0.67	-1.4	-2.38	-4.2	-6.8	-9.28	-9.34	-6.05	-3.48	-2	-0.85	[-0.38]	-0.47		
θ (15°)	-3.46	-4.01	-5.48	-8.74	-14.2	-11.2	-4.88	-2.72	-3.43	-4.63	-4.45	-4.24	-4.58	-5.7	-8.4	-9.63	-10.9	-15.4	-12.2	-6.98	-4.48	-3.67	-3.09	-2.74	-3.46		
θ (30°)	-3.24	-4.88	-7.78	-10.5	-12.6	-17.1	-6.45	-5.02	-6.96	-3.44	-3.03	-3.2	-2.21	-2.24	-3.72	-6.76	-12.8	-22.7	-16.2	-9.52	-5.85	-4.05	-3	-2.57	-3.24		
θ (45°)	-10.1	-12.5	-9.65	-10.1	-18.3	-18.4	-9.05	-10.5	-6.19	-6.04	-7.43	-3.46	-3.13	-6.91	-11.1	-12.4	-13.9	-19.6	-12.4	-7.35	-5.8	-5.45	-6.66	-10.1			
θ (60°)	-9.94	-16	-16.4	-16.2	-10.5	-13.1	-9.5	-8.78	-12.9	-11	-6.27	-4.97	-6.23	-6.46	-8.06	-6.22	-6.03	-15.2	-12	-19.9	-5.91	-4.14	-5.36	-8.04	-9.94		
θ (75°)	-11.2	-14.1	-20.1	-9.39	-12.5	-18.2	-11.4	-21.4	-13.2	-5.01	-3.82	-5.05	-8.47	-5.53	-7.32	-9.89	-9.96	-13	-11.6	-26.1	-9.13	-9.08	-6.16	-10.5	-11.2		
θ (90°)	-19.1	-14.7	-21	-17.2	-13.5	-19.5	-13	-14.8	-11.9	-7.54	-9.81	-7.76	-16.2	-5.55	-5.47	-21.6	-12.6	-20.2	-14.9	-6.92	-13.8	-17.9	-12.8	-11.5	-19.1		
θ (105°)	-11.9	-15.3	-11.6	-20.1	-17.3	-14	-17.1	-17.4	-8.69	-6.67	-10.6	-11.5	-22.4	-12.1	-12	-16.7	-10.3	-28.3	-18.9	-11.7	-13.9	-12.6	-13.7	-24.6	-11.9		
θ (120°)	-11.9	-14.6	-17.2	-8.87	-8.24	-11.7	-18.7	-15.9	-15.4	-7.35	-7.99	-3.83	-5.64	-11.2	-2.97	-16.9	-5.45	-10.4	-13.1	-23.8	-14.1	-12.2	-18.3	-14.5	-11.9		
θ (135°)	-16.4	-20.4	-10.1	-6.16	-8.23	-12.7	-13.2	-12.8	-9.61	-10.4	-11.2	-5.53	-11.2	-6.67	-3.38	-14.3	-4.48	-8.43	-21.1	-12.2	-16.8	-20.4	-16.4	-14.6	-16.4		
θ (150°)	-5.52	-6.79	-9.48	-11	-6.25	-8.13	-15.1	-9.44	-8.86	-13	-8.53	-6	-6.2	-7.39	-7.52	-10.9	-7.01	-6	-9.05	-16.2	-16.2	-16.1	-7.96	-5.88	-5.52		
θ (165°)	-10.4	-11	-14.9	-20.3	-24.4	-22.1	-15.5	-13.9	-15.8	-12.2	-7.86	-6.25	-7.67	-12.3	-21	-21.1	-15.4	-15.8	-24.6	-19	-12.2	-11	-11.3	-11	-10.4		
θ (180°)	-32.3	-24.2	-23.2	-25.1	-20	-18	-17.5	-17.1	-17.3	-19.5	-24.1	-29.1	-22.6	-18.2	-16.3	-18	-20.2	-20.2	-21.9	-24.4	-24.3	-27.2	-32.9	-38.5	-32.3		

Ant.	No.1																								
Freq (MHz)	5785																								
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°)	-9.96	-6.92	-4.28	-2	-0.91	-0.46	-0.5	-1.07	-2.25	-4.22	-7.05	-10.6	-11.3	-8.29	-4.99	-2.59	-1.52	-1.1	-1	-1.6	-2.88	-4.89	-7.91	-11	-9.96
θ (15°)	-6.84	-4.17	-2.66	-1.07	0.23	0.93	0.75	-0.77	-3.1	-5.8	-10.4	-18.1	-18.1	-15.1	-11.8	-8.01	-5.03	-3.39	-3.18	-4.07	-6.36	-10.2	-14.4	-12.5	-6.84
θ (30°)	-6.17	-3.16	-1.14	-0.75	-1.32	-0.09	0.98	-0.55	-3.15	-3.28	-4.07	-2.75	-4.36	-12.2	-15.7	-8.7	-9.41	-12.2	-6.99	-5.18	-8.18	-13.5	-17.6	-12.8	-6.17
θ (45°)	-1.98	-1.06	-1.78	-0.11	0.81	0.49	1.55	-0.29	-1.5	-0.24	-0.11	-0.2	-3.03	-8.86	-16.2	-10.1	-12.7	-13.8	-18.3	-12.6	-11.7	-11.2	-6.65	-5.22	-1.98
θ (60°)	2.32	[3.90]	-0.85	0.52	1.67	1.2	0.94	1.56	0.42	-0.06	-5.45	-0.96	-11.5	-7.34	-10.4	-4.09	-7.94	-13.1	-8.86	-6.1	-4.63	-1.4	-0.84	-3.89	2.32
θ (75°)	0.98	1.84	-1.75	2.12	-0.03	-0.23	-1.03	0.77	0.72	3.23	-6.48	1.49	-6.21	-1.28	-5.04	-2.57	-5.09	-9.34	-1.78	-4.2	-1.81	1.96	-0.36	-6.82	0.98
θ (90°)	1.49	0.04	0.63	3.13	-2.57	-0.11	-2.54	0.7	-0.79	2.07	-13.3	2.84	-4.92	-2.73	-1.39	-3.83	-5.66	-5.69	-4.05	-1.99	-3.67	0.83	-0.91	-12.7	1.49
θ (105°)	0.38	-3.65	-0.51	3.49	-0.33	-0.37	0.25	0.86	1.71	1.31	-16.1	-3.14	-15.6	-3.09	-6.52	-3.39	-1.93	-9.7	-0.35	-1.41	-0.12	-0.25	-3.21	-5.89	0.38
θ (120°)	0	1.72	-1.66	1.15	0.92	0.88	0.24	1.56	-0.66	-1.43	-4.08	-4.28	-16	-5.47	-5.78	-9.27	-4.2	-6.06	-2.98	-5.01	-1.67	-1.24	-0.59	-6.96	0
θ (135°)	-5.13	-1.15	0.68	0.26	-0.91	-0.78	-2.75	-5.26	-2.7	0.23	-6.47	-12.7	-19.6	-26.1	-8.64	-3.99	-7.54	-6.11	-4.96	-8.29	-6.53	-5.16	-6.92	-4.62	-5.13
θ (150°)	-11.1	-4.86	-3.73	-8.17	-12.6	-10.3	-9.31	-6.49	-6.58	-5.61	-14.7	-11.3	-7.21	-7.89	-12.9	-11.6	-10.3	-7.51	-6.68	-10.7	-9.98	-4.85	-4.3	-10.7	-11.1
θ (165°)	-14.3	-18.1	-12.6	-9.99	-8.59	-6.87	-5.48	-6.31	-10.6	-20.1	-30.1	-23.3	-21.7	-16.7	-16	-17.4	-15.4	-13.2	-12.3	-16.8	-21	-11	-8.88	-9.51	-14.3
θ (180°)	-19.4	-20.4	-23.2	-31.7	-36.9	-27.6	-21.2	-17.6	-17.2	-18.1	-18.3	-20.3	-22.1	-22.4	-22.2	-18	-15.7	-14.3	-13.9	-14.1	-14.4	-15.3	-16.5	-17.3	-19.4
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°)	-0.75	-1.41	-2.57	-4.89	-8.29	-10.6	-9.77	-6.52	-3.8	-2.11	-1.2	-0.73	-0.78	-1.27	-2.28	-4.66	-7.58	-10.4	-9.53	-6.35	-3.55	-1.79	-0.82	[-0.54]	-0.75
θ (15°)	-3.42	-5.48	-8.2	-12.8	-31.4	-13.2	-6.26	-3.03	-2.27	-2.27	-2.24	-2.95	-4.5	-6.14	-6.77	-6.32	-7.72	-10.4	-10	-6.87	-4.38	-3.18	-2.52	-2.38	-3.42
θ (30°)	-3.13	-4.23	-5.54	-9.27	-13.1	-13	-7.82	-3.14	-5.64	-3.3	-1.41	-1.81	-0.58	-0.71	-2.59	-6.34	-12.3	-13.7	-11	-7.12	-3.63	-1.9	-1.28	-1.42	-3.13
θ (45°)	-6.97	-5.48	-4.53	-6	-15.6	-21.4	-10.3	-8.4	-7.53	-4.04	-7.07	-2.27	-1.38	-4.83	-10.7	-14.2	-10.4	-9.06	-9.74	-6.49	-3.21	-2.37	-3.48	-4.95	-6.97
θ (60°)	-10.1	-7.58	-7.12	-13.3	-16.5	-16.8	-14.2	-10.1	-10.1	-11.3	-4.68	-2.05	-8.22	-8.84	-9.98	-5.77	-7.64	-11.9	-12.6	-18.8	-5.74	-6.7	-6.27	-7.65	-10.1
θ (75°)	-9.27	-11.6	-11.6	-9.84	-20.3	-26.8	-15.1	-21.6	-15.3	-6.57	-2.05	-4.29	-6.17	-4.67	-10.2	-6.53	-6.35	-8.49	-7.24	-14.3	-9.86	-5.12	-3.84	-8.01	-9.27
θ (90°)	-27.7	-20.5	-22.8	-12.1	-16.4	-22.9	-13.5	-15.4	-11.3	-7.26	-7.59	-6.47	-21.3	-5.4	-7.01	-10.9	-9.54	-18.9	-8.95	-6.97	-15.3	-17.8	-10	-18.2	-27.7
θ (105°)	-15.4	-14.7	-8.69	-13.1	-23.2	-13	-15.6	-15.3	-8.2	-8.21	-12.9	-11.6	-20.8	-14.1	-18.2	-12.5	-13.3	-15.2	-16.5	-12.5	-17.5	-20.9	-18.4	-16.7	-15.4
θ (120°)	-16	-21.1	-19.3	-8.95	-6.71	-7.12	-14.6	-21.8	-16.9	-12.6	-9.41	-4.78	-4.14	-16.7	-3.53	-17	-6.4	-14.2	-9.53	-16.1	-9.24	-8.16	-19.8	-14.9	-16
θ (135°)	-13.2	-14.9	-7.87	-3.54	-5.9	-7.75	-11	-14.8	-5.89	-6.13	-15.6	-5.25	-8.63	-7.01	-3.08	-12.7	-4.2	-11.5	-15.6	-7.5	-11.9	-24.8	-15	-10.3	-13.2
θ (150°)	-3.5	-4.58	-8.77	-13.6	-4.72	-4.69	-14.6	-7.8	-5.59	-8.17	-8.05	-5.41	-4.25	-4.96	-6.52	-12	-5.09	-6.35	-9.69	-9.83	-13.7	-11.8	-5.39	-3.64	-3.5
θ (165°)	-7	-6.76	-9.54	-16.9	-20.1	-19.9	-15.6	-14.1	-15.1	-11.9	-7.83	-6.25	-7.01	-10.3	-17.8	-20.2	-17.5	-25.9	-19	-11.5	-9.08	-10.3	-10.1	-8.5	-7
θ (180°)	-17.2	-17.5	-15.1	-16.1	-17.8	-15.5	-17	-17.7	-19	-26.6	-30.4	-24.5	-16.7	-13.6	-13.7	-16.5	-18.9	-20.2	-25.3	-49.1	-27	-23.1	-19.2	-16.5	-17.2

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°)	1.56	1.59	1.1	-0.05	-2.04	-5.38	-11.95	-20.07	-8.19	-3.41	-0.78	0.77	1.57	1.68	1.11	-0.21	-2.44	-6.29	-14.32	-15.31	-6.85	-2.9	-0.59	0.78	1.56
θ (15°)	[2.23]	2.06	1.42	0.23	-1.6	-4.39	-8.92	-16.08	-9.97	-4.53	-1.53	0.15	0.83	0.67	-0.34	-2.4	-6.11	-13.17	-14.13	-6.7	-2.8	-0.51	0.98	1.77	2.23
θ (30°)	1.66	1.43	0.6	-0.73	-2.16	-3.81	-6.16	-9.59	-10.32	-5.86	-2.15	0.22	1.4	1.6	0.74	-1.55	-6.25	-19.44	-10.17	-4.17	-1.71	-0.36	0.64	1.39	1.66
θ (45°)	0.17	-0.22	-1.21	-2.43	-3.47	-4.76	-6.74	-8.95	-8.5	-4.95	-1.87	0.08	1.09	1.43	0.95	-0.85	-4.72	-9.88	-6.11	-2.11	-0.55	-0.54	-0.68	-0.32	0.17
θ (60°)	-0.74	-0.68	-1.34	-2.71	-4.12	-5.34	-7.1	-9.91	-11.82	-10.34	-7.97	-6.06	-4.22	-2.33	-1.1	-1.27	-3.47	-7.33	-7.33	-3.44	-1.23	-0.39	-0.49	-1.06	-0.74
θ (75°)	0.07	-1.08	-3.03	-5.87	-7.28	-6.02	-5.7	-6.38	-7.7	-12.2	-22.46	-29.54	-17.57	-11.05	-7.38	-6.77	-9.21	-12.16	-10.6	-6.59	-2.55	-0.44	0.37	0.65	0.07
θ (90°)	-2.75	-4.75	-8.24	-11.43	-13.42	-11.59	-8.17	-6.49	-5.36	-5.68	-6.26	-7.2	-9.8	-15.19	-31.91	-20.1	-17.35	-15.27	-21.69	-25.84	-11.91	-4.52	-1.25	-1.07	-2.75
θ (105°)	-6.13	-4.66	-4.54	-6.65	-11.1	-16.02	-16.2	-12.03	-8.68	-5.32	-3.36	-3.81	-5.31	-7.15	-8.51	-9.06	-9.41	-9.22	-9.55	-10.17	-12.29	-10.99	-8.75	-7.85	-6.13
θ (120°)	-4.74	-4.71	-6.52	-11.06	-17.28	-18.63	-15.63	-14.73	-13.71	-9.4	-6.08	-4.63	-4.76	-6.22	-7.9	-8.02	-7.32	-7.8	-9.34	-9.14	-6.34	-5.03	-5.79	-6.13	-4.74
θ (135°)	-3.39	-5.46	-8.86	-14.27	-21.74	-20.43	-12.69	-8.62	-6.27	-4.89	-4.76	-6.02	-8.43	-11.53	-13.15	-12.75	-11.32	-10.56	-11.84	-10.89	-7	-3.89	-2.24	-2.02	-3.39
θ (150°)	-1.39	-1.95	-3.35	-5.5	-8.26	-11.67	-12.15	-8.43	-5.62	-4.17	-3.93	-4.84	-7.15	-11.58	-19.65	-22.94	-18.69	-17.85	-23.05	-13.01	-5.59	-2.41	-1.31	-1.16	-1.39
θ (165°)	-2.65	-4.17	-6.39	-9.18	-12.25	-16.37	-17.13	-10.85	-6.34	-3.69	-2.35	-2.12	-2.86	-4.47	-6.89	-10.34	-14.97	-19.49	-18.24	-12.44	-7.4	-4.19	-2.46	-1.97	-2.65
θ (180°)	-9.76	-9.66	-10.23	-11.47	-13.56	-17.06	-23.6	-40.39	-22.48	-17.54	-14.87	-13.53	-12.86	-12.76	-12.89	-13.37	-14.55	-16.81	-20.47	-24.31	-19.91	-15.31	-12.46	-10.63	-9.76
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°)	-20.38	-12.67	-5.51	-1.87	0.25	1.39	1.92	1.91	1.35	0.08	-2.07	-5.7	-13.08	-15.58	-6.9	-2.72	-0.35	0.95	1.49	1.37	0.6	-0.92	-3.43	-7.73	-20.38
θ (15°)	-38.03	-10.31	-4.85	-2.1	-0.63	0.2	0.61	0.61	0.04	-1.28	-3.73	-8.13	-12.74	-7.45	-2.96	-0.35	1.17	1.87	1.95	1.45	0.33	-1.53	-4.62	-9.07	-38.03
θ (30°)	-28.53	-11.12	-5.9	-3.66	-2.51	-1.42	-0.43	0.12	-0.05	-1.14	-3.52	-8.46	-17.05	-7.96	-2.62	0.16	1.57	2.08	1.81	0.93	-0.36	-1.95	-4.52	-9.54	-28.53
θ (45°)	-31.56	-10.54	-6.13	-5.03	-4.86	-3.59	-2.1	-1.48	-1.55	-2.17	-4.46	-10.87	-18.01	-5.82	-0.95	1.69	[2.79]	2.73	1.77	0.04	-2.16	-3.98	-6.1	-9.88	-31.56
θ (60°)	-28.43	-14.92	-8.23	-5.68	-4.18	-3	-2.5	-2.9	-3.34	-3.78	-5.66	-9.74	-20.02	-14.25	-4.6	-0.02	2.08	2.5	1.66	-0.72	-3.16	-4.58	-7.06	-10.71	-28.43
θ (75°)	-17.93	-18.47	-9.4	-5.43	-3.77	-3.1	-2.78	-3.37	-5.32	-7.25	-10.04	-14.09	-21.26	-18.72	-6.48	-1.21	0.91	1.43	0.83	-0.72	-4.12	-7.13	-8.57	-11.35	-17.93
θ (90°)	-17.84	-16.49	-8.02	-5.38	-5.55	-5.7	-4.33	-3.64	-3.49	-4.33	-7.63	-12.76	-18.05	-17.57	-11.74	-3.9	-0.19	0.55	0.76	-0.33	-2.64	-5.22	-9.51	-11.32	-17.84
θ (105°)	-18.56	-13.61	-10.15	-9.99	-10.7	-8.92	-7.19	-6.57	-8.02	-8.91	-11.03	-17.74	-26.32	-13.05	-7.92	-4.39	-1.36	-0.21	-0.99	-0.51	-2.03	-5.56	-8.49	-12.91	-18.56
θ (120°)	-17.86	-11.19	-7.37	-5.98	-6.12	-7.27	-8.21	-9.63	-12.49	-12.8	-12.68	-15.95	-27.97	-16.29	-9.18	-5.35	-3.45	-1.36	-0.6	-2.14	-2.41	-3.85	-9.78	-23.24	-17.86
θ (135°)	-11.35	-8.05	-5.65	-4.85	-5.36	-6.75	-9.5	-11.28	-8.04	-7.18	-10.39	-17.66	-26.74	-19.13	-11.87	-8.14	-6.81	-5.28	-3.02	-2.54	-4.21	-6.39	-8.71	-11.11	-11.35
θ (150°)	-15.36	-10.42	-6.18	-4.52	-5.24	-8.74	-15.68	-11.92	-8.39	-8.52	-11.45	-17.33	-21.23	-19.57	-16.58	-12.4	-9.49	-7.44	-4.69	-2.24	-1.54	-2.98	-6.31	-11.6	-15.36
θ (165°)	-9.5	-8.69	-8.89	-11.4	-19.27	-17.77	-9.93	-6.79	-5.76	-6.36	-8.55	-12.67	-16.72	-14.33	-12.02	-11.72	-13.28	-15.03	-11.92	-8.22	-6.51	-6.61	-8.02	-9.36	-9.5
θ (180°)	-23.97	-30.05	-19.15	-14.48	-12.18	-10.85	-10.41	-10.58	-11.4	-12.67	-14.52	-16.99	-20.45	-25.99	-29.67	-21.73	-17.34	-14.66	-13.06	-12.31	-12.08	-12.43	-13.61	-16.13	-23.97

Ant.	No.2																								
Freq. (MHz)	5200																								
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°)	-0.52	-1.04	-2.04	-3.68	-6.89	-12.1	-15.5	-9.12	-5.07	-2.5	-1.06	-0.39	-0.31	-0.82	-2.16	-4.46	-8.16	-14.9	-15.7	-8.66	-4.98	-2.76	-1.47	-0.74	-0.52
θ (15°)	-3.18	-4.54	-6.11	-6.36	-6.03	-7.04	-12.5	-19.6	-5.98	-1.68	-0.2	-0.26	-1.65	-4.06	-7.59	-13.3	-15.6	-10.2	-6.72	-4.32	-2.7	-1.93	-1.78	-2.01	-3.18
θ (30°)	-3.57	-4.52	-7.26	-11	-6.57	-5.27	-7.52	-21.6	-9.9	-5.83	-4.86	-3.78	-3.9	-5.87	-9.44	-12.4	-14.3	-9.19	-6.9	-6.13	-3.41	-2.18	-2.36	-3.04	-3.57
θ (45°)	-1.4	-3.99	-9.04	-11.8	-8.8	-7.61	-16.3	-12.4	-10.2	-15.9	-7.11	-7.86	-9.94	-12.4	-18	-15.3	-12.9	-8.07	-5.08	-8.74	-4.15	-2.13	-1.35	-0.83	-1.4
θ (60°)	-1.77	-3.43	-6.49	-5.68	-9.17	-8.06	-17.7	-15.6	-11	-8.56	-10.2	-10.4	-4.53	-5.9	-5.92	-5.99	-15.5	-25.9	-6.6	-3.62	-8.62	-4.16	-1.95	-1.21	-1.77
θ (75°)	0.43	-5.51	-9.58	-3.46	-6.01	-13.2	-15.8	-9.94	-11.8	-7.37	-8.2	-2.7	-1.11	-7.13	-5.3	-3.12	-14.1	-9.22	-9.14	-4.6	-11.8	-9.08	0.93	[1.72]	0.43
θ (90°)	-8.42	-27.2	-3.05	-2.64	-4.81	-6.39	-12.7	-17.3	-11.5	-15.5	-34.3	-2.26	-1.51	-7.58	-8.66	-1.67	-4.6	-11.9	-7.36	-13.8	-6.74	-14.3	-1.4	-1.29	-8.42
θ (105°)	-7.04	-3.46	-24.3	-4.54	-12.3	-11.1	-17.6	-9.32	-12.7	-7.92	-16.4	-11.7	-5.59	-8.76	-6.46	-6.05	-2.27	-10.5	-5.11	-11.3	-8.41	-16.3	-6.32	-2.48	-7.04
θ (120°)	-13	-18.5	-14.9	-7.07	-2.95	-12.3	-8.73	-8.69	-11.6	-4.95	-15.7	-9.63	-10.1	-6.9	-11.2	-6.9	-1.72	-0.15	-12.9	-9.12	-5.98	-3.84	-3.87	-7.55	-13
θ (135°)	-9.33	-6.88	-17.8	-17.5	-10.2	-8.88	-10.6	-14.5	-12.9	-7.77	-7.39	-9.48	-7.48	-7.07	-12	-5.9	-2.28	-2.96	-9.42	-11.8	-10	-13.4	-10.4	-10.9	-9.33
θ (150°)	-1.76	-1.12	-3.27	-10.1	-12.7	-13.5	-20.1	-26.1	-8	-3.65	-2.92	-2.17	-2.47	-4.67	-9.76	-7.21	-5.31	-7.93	-15.5	-17.2	-19.1	-14.9	-7.29	-4.39	-1.76
θ (165°)	-4.76	-6.03	-8.04	-11.1	-16.8	-48.1	-18.1	-10.1	-4.16	-1.01	-0.48	-2.12	-5.17	-8.99	-16.1	-17.7	-12.1	-12.5	-15.2	-12.7	-9.2	-6.8	-5.34	-4.52	-4.76
θ (180°)	-9.46	-8.74	-7.94	-7.53	-7.57	-8.39	-10.1	-12.8	-18	-25.4	-17.4	-12.2	-8.89	-6.94	-6.12	-6.1	-6.95	-8.66	-11.7	-17.2	-27.4	-18.7	-13.2	-10.6	-9.46
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°)	-11.3	-8.7	-5.48	-3.22	-1.67	-0.81	-0.45	-0.77	-1.69	-3.4	-6.08	-10.2	-12.5	-7.99	-4.33	-2.15	-0.89	-0.14	-0.05	-0.64	-1.92	-3.86	-6.55	-9.83	-11.3
θ (15°)	-10.1	-7.9	-7.22	-7.69	-8.51	-5.76	-2.35	-0.71	-1.21	-4	-10.7	-19.6	-7.68	-3.43	-1.22	0.09	0.73	0.53	-0.59	-2.07	-4.07	-7.1	-10.8	-12.5	-10.1
θ (30°)	-21.9	-11.9	-7.08	-7.26	-16.5	-12.7	-7.46	-4.97	-5.83	-8.41	-11.9	-24.6	-11.9	-7.48	-6.2	-3.34	-0.09	1	-0.12	-1.65	-4.21	-9.68	-16.2	-21.7	-21.9
θ (45°)	-17.9	-10.9	-6.8	-6.72	-10.7	-10.5	-10.4	-14.8	-9.31	-10.6	-18.2	-9.03	-6.68	-4.76	-4.7	-6.36	-1.68	[1.11]	0.09	-3.09	-5.83	-8.96	-8.57	-9.15	-17.9
θ (60°)	-12.9	-14	-10.8	-7.72	-5.83	-6.86	-4.63	-6.75	-7.88	-8.44	-7.66	-10.6	-21.8	-16.4	-10.9	-7.26	-7.73	-9.43	-3.98	-4.03	-6.57	-6.75	-6.35	-8.36	-12.9
θ (75°)	-8.84	-18.9	-10.4	-4.86	-4.93	-1.13	-0.62	-2.84	-2.8	-2.33	-6.52	-19.7	-6.25	-2.71	-2.13	-1.94	-3.58	-4.61	-8	-3.39	-6.12	-4.87	-6.89	-8.63	-8.84
θ (90°)	-15.7	-16.1	-13	-9.63	-8.12	-5.96	-1.74	-2.66	-2.89	-7.63	-10.3	-8.4	-26.6	-3.75	-0.61	0.56	-3.35	-1.72	-6.88	-5.48	-6.5	-5.46	-6.09	-16.8	-15.7
θ (105°)	-11.1	-17.1	-9.9	-10.9	-17.5	-10.1	-15.4	-8.49	-9.51	-15.5	-6.95	-10.8	-21.4	-7.81	-0.25	0.52	-1.3	-0.72	-1.24	-6.19	-4.88	-8.06	-7.54	-15.3	-11.1
θ (120°)	-6.03	-6.03	-9.14	-23.1	-14.2	-12.8	-18.6	-12.5	-8.32	-15	-6.29	-6.93	-16.5	-23.9	-7.66	-3.28	-3.74	-3.89	-3.32	-8.17	-6.51	-7.09	-11.9	-5.15	-6.03
θ (135°)	-13.4	-19.3	-14.9	-11.4	-12.3	-8.5	-16.4	-10	-7.5	-14.2	-5.29	-7.5	-24.3	-10.8	-8.49	-6.91	-4.68	-5.64	-2.35	-10.6	-20.1	-6.93	-7.01	-10.2	-13.4
θ (150°)	-7.6	-4.63	-4.61	-11.1	-10.1	-6.98	-5.41	-10.4	-5.58	-7.33	-12.2	-10.8	-9.03	-6	-5.8	-14.8	-5.98	-4.83	-5.47	-5.4	-7.82	-13.5	-18.7	-12.7	-7.6
θ (165°)	-16.2	-15.5	-8.99	-5.32	-5.13	-8.28	-16.2	-14.4	-8.88	-9.23	-10.8	-10.6	-10.7	-10.2	-9.59	-11.2	-13.7	-10.7	-9.61	-9.54	-9.05	-9.43	-11.9	-15.9	-16.2
θ (180°)	-12.2	-13.8	-14.9	-14.4	-13.2	-12.4	-12.6	-10.4	-8.25	-7.64	-6.98	-7.65	-9.56	-15	-27	-14.5	-9.71	-6.67	-5.47	-5.41	-6.5	-7.35	-7.99	-9.52	-12.2

Ant.	No.2																								
Freq. (MHz)	5300																								
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°)	-2.08	-2.71	-3.92	-6.07	-9.14	-14.9	-16.3	-10.1	-6.47	-4.13	-2.72	-2.1	-2.07	-2.7	-4.07	-6.16	-9.69	-15.8	-14.4	-8.8	-5.49	-3.52	-2.41	-1.92	-2.08
θ (15°)	-5.69	-7.17	-7.82	-6.95	-5.82	-6.32	-10.1	-25.2	-7.63	-2.67	-1.12	-1.18	-2.17	-4.24	-7.55	-11.3	-13.4	-10.6	-8	-5.92	-4.36	-3.4	-3.31	-4.09	-5.69
θ (30°)	-5.63	-5.71	-7.71	-12.5	-7.48	-5.66	-7.46	-21	-8.85	-5.9	-4.86	-3.7	-4.19	-6.23	-8.52	-10.4	-12.3	-8.18	-6.43	-6.93	-4.22	-2.82	-3.73	-5.15	-5.63
θ (45°)	-2.47	-5.13	-9.54	-13	-10.6	-7.12	-18.1	-10.9	-13.1	-13	-6.86	-9.95	-14.7	-16.9	-38.5	-13.7	-11.9	-7.88	-4.41	-10	-4.9	-3.23	-2.49	-1.87	-2.47
θ (60°)	-1.43	-3.1	-6.44	-5.67	-9.92	-8.51	-21.3	-11.6	-14.6	-8.68	-10.1	-10.4	-6.37	-8.76	-4.98	-5.61	-13.7	-18.8	-6.74	-4.32	-11	-5.62	-3.36	-1.75	-1.43
θ (75°)	0.64	-8.16	-8.32	-4.47	-6.32	-11.7	-34.4	-11.9	-8.81	-5.38	-10.2	-2.83	-1.18	-5.01	-4.27	-3.14	-9.62	-10	-10.2	-4.53	-10.1	-10.3	0.67	[1.88]	0.64
θ (90°)	-9.19	-14.7	-2.52	-2.14	-5.54	-8.27	-13.5	-21.8	-10.8	-15.3	-20	-2.36	-1.88	-5.28	-10.1	-3.37	-3.94	-12.1	-8.72	-13.6	-7.47	-18	-2.03	-2.15	-9.19
θ (105°)	-7.31	-4.52	-13.9	-5.88	-28.3	-16.4	-23.7	-9.72	-14.8	-6.66	-16.7	-11.6	-5.44	-10.9	-6.12	-5.57	-2.18	-9.53	-3.5	-13.3	-8.53	-30.7	-6.28	-1.67	-7.31
θ (120°)	-9.24	-29.1	-12	-9.26	-4.14	-17.3	-11	-8.48	-14.2	-4.58	-22.5	-10	-11.8	-10.1	-13.5	-6.35	-1.88	-0.16	-13.1	-9.51	-6.62	-4.5	-3.43	-6.02	-9.24
θ (135°)	-9.91	-8.13	-22.4	-16.5	-9.39	-9.31	-9.82	-15.6	-13.3	-7.71	-8.42	-12.4	-11	-9.37	-11	-6.73	-2.77	-2.61	-9.99	-12.1	-10.4	-15.5	-9.21	-8.28	-9.91
θ (150°)	-3.13	-1.98	-3.57	-11.1	-12.6	-12.1	-15.8	-29.5	-7.59	-3.21	-2.65	-2.53	-3.79	-6.44	-9.89	-6.61	-5.23	-9.11	-19.1	-19.3	-25.9	-10.7	-4.85	-3.84	-3.13
θ (165°)	-4.9	-6.8	-9.53	-13.3	-21.9	-23.8	-15.5	-9.19	-3.52	-0.85	-0.88	-3.03	-6.61	-10.5	-15.1	-14.6	-11.1	-12.9	-14.8	-11.4	-7.87	-5.4	-4.18	-4.05	-4.9
θ (180°)	-11.2	-10.7	-9.43	-8.26	-7.87	-8.25	-9.37	-11.2	-13.8	-18.7	-22.4	-15.8	-11.3	-8.9	-7.5	-7.28	-7.93	-8.72	-10.5	-13.8	-18.2	-19	-15.3	-12.7	-11.2
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°)	-13.1	-8.8	-5.58	-3.59	-2.43	-1.74	-1.71	-2.3	-3.45	-5.29	-8.32	-12.9	-13.9	-9.16	-5.66	-3.45	-2.19	-1.79	-1.92	-2.51	-3.62	-5.55	-8.96	-13.6	-13.1
θ (15°)	-8.14	-6.04	-5.05	-5.87	-7.96	-7.85	-4.74	-2.68	-2.81	-5.54	-13.5	-15.9	-7.16	-3.48	-1.07	0.19	0.16	-0.54	-1.46	-3.12	-6.12	-11.1	-17.2	-13.1	-8.14
θ (30°)	-15.4	-12.8	-8.69	-8.83	-16.9	-22.1	-13.3	-7.36	-6.81	-8.81	-10.8	-23.4	-13.7	-8.87	-7.24	-3.12	0.51	[1.44]	0.08	-1.63	-4.36	-9.72	-16.4	-22.6	-15.4
θ (45°)	-12.2	-13.7	-8.44	-7.77	-12.9	-13	-12.3	-17	-10.2	-10.3	-21.2	-9.53	-6.37	-5.13	-4.69	-6.38	-1.69	1.18	-0.37	-3.77	-6.13	-10.4	-13.9	-11.3	-12.2
θ (60°)	-10.1	-13.8	-12.7	-7.67	-4.86	-7.01	-4.26	-5.77	-7.6	-9.72	-9.34	-13.4	-21	-14.6	-8.41	-5.2	-6.46	-11.8	-5.01	-6.04	-9.25	-9.47	-8.24	-8.69	-10.1
θ (75°)	-9.05	-20.3	-12.1	-4.43	-5.53	-1.86	-0.97	-2.99	-3.56	-2.98	-6.98	-41.1	-6.31	-2.56	-1.38	-0.79	-2.73	-5.32	-10.6	-6.72	-10	-7.91	-8.91	-9.09	-9.05
θ (90°)	-22.8	-20.1	-11.1	-7.42	-7.88	-7.03	-2.78	-2.78	-3.78	-10.1	-8.72	-7.55	-23.5	-3.79	-0.64	0.38	-4.73	-3.03	-9.43	-7.32	-8.28	-6.88	-6.44	-12.6	-22.8
θ (105°)	-9.22	-15.6	-7.88	-7.52	-11.6	-8.92	-12.9	-8.73	-9.05	-14.7	-5.91	-8.93	-19.8	-6.86	-0.72	0.31	-2.95	-1.53	-1.53	-5.92	-4.13	-6.41	-6.32	-11.3	-9.22
θ (120°)	-8.62	-7.58	-8.46	-17.5	-13	-9.2	-13.9	-9.3	-7.87	-12.3	-5.43	-8.49	-27.5	-16.7	-6.74	-2.94	-5.35	-5.54	-3.05	-7.41	-5.8	-8.38	-10.3	-6.56	-8.62
θ (135°)	-14.6	-20.6	-13.9	-9.4	-9.99	-9.09	-15.8	-7.98	-7.42	-12.7	-5.47	-9.65	-25.5	-15.9	-7.89	-5.28	-4.6	-6.57	-2.36	-10.6	-14.1	-6.08	-5.98	-9.8	-14.6
θ (150°)	-7.24	-4.29	-4.79	-12.3	-9.81	-6.9	-4.82	-8.57	-5.4	-8.22	-13.4	-12	-8.88	-6.25	-6.03	-14.6	-5.96	-4.72	-5.67	-5.44	-8.06	-14.4	-18.7	-11.3	-7.24
θ (165°)	-16.1	-15	-9.94	-6.24	-5.85	-9	-18	-13.3	-8.6	-8.83	-11.1	-11.3	-10.6	-10.4	-10.2	-11.1	-15.7	-11.1	-9.85	-10	-9.41	-9.58	-11.6	-15.8	-16.1
θ (180°)	-10.7	-12.1	-12.6	-12.1	-12	-13	-14	-12	-9.95	-8.49	-7.67	-7.73	-9.96	-13.9	-23	-16.8	-12.2	-8.69	-6.55	-6.2	-6.7	-7.28	-8.4	-9.17	-10.7

Ant.	No.2																										
Freq. (MHz)	5600																										
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°)	-1.31	-1.82	-2.9	-4.46	-7.78	-13.8	-23.3	-11.7	-6.77	-4	-2.48	-1.55	-1.37	-1.63	-2.38	-4.29	-7.51	-13.4	-37.3	-12.5	-6.93	-4.16	-2.41	-1.55	-1.31		
θ (15°)	-8.95	-11.4	-17	-23.4	-11	-7.29	-7.93	-10.5	-5.72	-1.49	0.39	[0.58]	-0.37	-2.11	-3.66	-4.72	-6.2	-8.95	-13.1	-10.6	-7.84	-6.9	-7.18	-7.89	-8.95		
θ (30°)	-4.32	-5.25	-7.63	-11.4	-10.3	-8.08	-5.79	-11.7	-11.2	-6.54	-4.87	-2.16	-1.62	-3.55	-7.06	-9.06	-10.2	-8.07	-9.14	-10.2	-4.21	-3.37	-4.39	-4.57	-4.32		
θ (45°)	-7.66	-7.61	-8.21	-17.9	-14.5	-10.3	-16.1	-15.5	-13.8	-11.8	-5.07	-5.89	-7.56	-10.4	-14.1	-10.2	-12	-13.2	-7.34	-11.9	-0.72	-0.78	-3.55	-5.6	-7.66		
θ (60°)	-2.03	-5.02	-14.6	-9.96	-26.8	-23.2	-10.2	-7.57	-14	-15.4	-11.6	-14.8	-14.7	-9.83	-2.32	-2.34	-7.48	-10.3	-5.64	-11.4	-4.27	-5.63	-5.19	-1.07	-2.03		
θ (75°)	0.25	-3.27	-4.53	-2.16	-6.47	-15.8	-13.6	-13.7	-6.52	-3.14	-6.33	-1.9	-0.96	-6.37	-4.02	-5.89	-3.64	-10.6	-9.42	-13.1	-5.42	-6.77	-1.18	-0.5	0.25		
θ (90°)	-5.6	-6.13	-2.91	0.3	-5.45	-11.6	-9.47	-9.75	-11.1	-18.6	-9.12	-3.38	-2.14	-5.59	-9.31	-6.04	-3.03	-19	-9.77	-8.51	-15.5	-22.5	-2.15	-3.21	-5.6		
θ (105°)	-6.61	-8.16	-4.72	-4.85	-5.12	-13.1	-15.5	-9.04	-8.92	-5.35	-9.25	-6.69	-4.21	-7.44	-10.2	-6.64	-2.83	-19.2	-1.9	-19.8	-6.94	-11.4	-2.47	-0.73	-6.61		
θ (120°)	-1.97	-8.25	-9.15	-14.1	-9.71	-7.15	-14.5	-4.88	-11.4	-5.1	-11.8	-10.4	-12.2	-9.3	-10.8	-6.91	-1.1	-2.88	-6.54	-7.3	-10.3	-9.07	-4.53	-3.31	-1.97		
θ (135°)	-5.96	-5.34	-9.42	-8.09	-11.9	-9.57	-10.8	-14.3	-13	-7.64	-7.87	-12	-14.4	-12.5	-12.4	-4.71	-1.85	-3.52	-10.6	-9.55	-8.1	-14.1	-7.99	-5.17	-5.96		
θ (150°)	-3.34	-4.02	-5.78	-16.4	-12.4	-9.69	-11.6	-17.8	-11.6	-4.82	-2.2	-1.48	-3.8	-7.13	-9.9	-5.84	-3	-9.14	-12.7	-9.88	-8.57	-8.44	-4.05	-2.64	-3.34		
θ (165°)	-4.45	-7.46	-12	-16.5	-22.3	-28.2	-16.6	-10.9	-4.83	-1.81	-1.85	-4.29	-8.72	-12.9	-13.5	-12.4	-10.5	-14.4	-15.7	-7.81	-4.39	-2.92	-2.65	-3.09	-4.45		
θ (180°)	-29.6	-25.8	-19.3	-13.8	-11.1	-9.63	-9.15	-8.88	-9.59	-11	-13.9	-18.6	-24.3	-16.2	-12.6	-10.7	-9.49	-9.19	-9.47	-9.92	-11.1	-12.5	-15	-19	-29.6		
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°)	-18.5	-10.5	-6.45	-3.86	-2.04	-1.17	-1.18	-1.71	-2.9	-4.95	-8.85	-16	-19.7	-9.79	-5.52	-3.35	-1.93	-1.18	-1.42	-2.11	-3.31	-5.5	-9.16	-15.4	-18.5		
θ (15°)	-11.8	-8.76	-7.41	-6.91	-6.93	-6.66	-4.74	-3	-3.04	-6.65	-18.4	-9.35	-3.32	-0.8	0.39	0.88	0.66	-0.01	-1	-3.18	-7.85	-16.3	-27.9	-18.6	-11.8		
θ (30°)	-19.9	-13.7	-10.9	-9.89	-11.7	-15.4	-13.9	-5.97	-6.51	-15.2	-16.7	-26.1	-13.6	-8.99	-4.45	0.42	[2.69]	1.84	-0.64	-3.4	-8.33	-11.7	-11.2	-16.5	-19.9		
θ (45°)	-10.7	-13.7	-13	-11.6	-14.6	-22.2	-12.8	-17	-8.35	-9.67	-15.3	-7.15	-5.97	-4.14	-5.44	-8.01	-0.51	1.72	-1.88	-4.55	-5.79	-10	-17.3	-17.7	-10.7		
θ (60°)	-7.19	-9.19	-13.5	-9.21	-5.78	-5.42	-3.59	-5.57	-5.03	-13.2	-9.24	-13.8	-11.7	-10	-6.21	-3.79	-6.34	-12.2	-1.54	-8.38	-9.65	-12.6	-11.5	-8.49	-7.19		
θ (75°)	-8.44	-18.9	-16.3	-5.05	-3.21	-2.17	0.42	-1.86	-3.88	-4.88	-11.9	-12.8	-5.73	-2.82	1.43	-1	-2.38	-8.64	-6.87	-8.84	-12.4	-14.4	-26.4	-18.9	-8.44		
θ (90°)	-17.1	-14.5	-13	-4.46	-4.3	-4.98	-2.32	-2.17	-2.17	-10.8	-6.5	-9	-15.6	-5.04	1.31	0.97	-2.69	-3.56	-10.8	-6.3	-10.9	-3.61	-7.36	-18.1	-17.1		
θ (105°)	-9.09	-17.5	-8.01	-6.84	-9.27	-9.49	-10.1	-9.36	-8.58	-7.01	-5.81	-9.22	-12.1	-6.13	-1.62	-0.88	-5.55	-1.85	-1.77	-3.13	-5.46	-6.18	-5.71	-10.9	-9.09		
θ (120°)	-17.3	-15.7	-5.49	-7.9	-12.3	-9.28	-19.8	-9.61	-5.75	-6.83	-4.45	-8.67	-20.5	-11.7	-6.51	-4.24	-8.48	-14.8	-2.05	-8.87	-7.09	-9.68	-7.18	-4.49	-17.3		
θ (135°)	-7.71	-15.1	-11	-5.74	-4.83	-7.64	-15	-7.31	-4.96	-25.9	-5.31	-10.7	-12.5	-9.46	-7.96	-6.1	-7.25	-11.1	-1.95	-8.23	-9.8	-6.64	-6.04	-6.37	-7.71		
θ (150°)	-9.18	-5.64	-5.7	-18.3	-14.7	-11.1	-5.65	-6.32	-3.64	-7.76	-17.6	-12.2	-8.59	-7.23	-6.98	-14.6	-5.44	-3.77	-4.95	-4.61	-8.99	-17.6	-14	-11	-9.18		
θ (165°)	-15.3	-11.3	-9.84	-8.29	-8.37	-9.56	-8.71	-7.37	-5.58	-5.55	-6.38	-5.8	-5.29	-5.69	-6.87	-9.06	-12.8	-10.8	-9.52	-9.9	-10.3	-11.9	-16.4	-26.9	-15.3		
θ (180°)	-8.41	-8.76	-8.64	-8.27	-9	-11.5	-16.7	-27.6	-17.6	-12	-9.99	-9.39	-9.38	-11.4	-13.4	-16.8	-25	-16.9	-12	-10.4	-10.6	-10.9	-10.7	-9.38	-8.41		

Ant.	No.2																								
Freq. (MHz)	5785																								
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°)	-3.19	-3.48	-3.95	-5.16	-7.34	-10.6	-16.9	-21.7	-11.9	-7.65	-5.06	-3.53	-2.85	-2.54	-3.31	-4.46	-6.6	-11	-22.3	-19.6	-12	-8.06	-5.54	-3.87	-3.19
θ (15°)	-8.19	-9.12	-11.5	-12.9	-8.76	-7.15	-7.23	-9.72	-6.72	-1.86	0.16	0.72	0.78	0.41	-0.46	-1.95	-4.83	-10.6	-18.2	-13.2	-11.3	-10.7	-9.07	-8.11	-8.19
θ (30°)	-3.61	-4.95	-5.36	-4.76	-6.65	-9.32	-6.28	-9.38	-8.76	-5.82	-8	-5.47	-4.77	-7.28	-10.9	-9.39	-12.7	-15.3	-17.8	-7.39	-5.1	-6.95	-4.54	-2.83	-3.61
θ (45°)	-3.49	-9.2	-14.5	-8.1	-5.6	-26.5	-11.8	-12.3	-10.5	-8.32	-4.11	-7.36	-8.35	-8.02	-8.27	-10.6	-11.1	-12.8	-16.9	-5.75	1.04	0.57	0.2	0.02	-3.49
θ (60°)	-1.79	-6.1	-15.6	-9.71	-4.69	-7.21	-4.81	-4.74	-15	-9.45	-6.63	-8.21	-10.6	-9.88	-1.18	-1.82	-2.91	-4.65	-4.51	-16.7	-0.16	-2.12	-1.7	1.01	-1.79
θ (75°)	-3.23	-3.11	-6.91	-3.11	-8.44	-9.29	-10.1	-7.58	-4.68	-1.54	-0.56	-2.33	0.88	-6.13	-6.37	-6.02	-1.02	-4.75	-4.2	-11.7	-1.75	-8.39	-6.93	-0.81	-3.23
θ (90°)	-0.94	-2.15	-9.67	1.19	-3.57	-8.88	-3.72	-2.12	-15.3	-15.2	-3.52	-3.23	0.82	-5.99	-12.6	-6.44	-5.66	-8.44	-12.8	-3.84	-8.44	-9.81	-1.07	0.52	-0.94
θ (105°)	-12	-7.5	-2.86	-7.06	-1.96	-8.17	-11.1	-5.42	-2.7	-3.09	-6.36	-6.98	-3.65	-7.5	-7.74	-7.81	-5.68	-8.93	-4.76	-11.2	-2.96	-7.9	-4.15	-3.07	-12
θ (120°)	-1.07	-6.38	-4.6	-8.6	-17.5	-2.26	-5.07	-0.77	-8.07	-2.48	-8.71	-11.5	-16	-7.3	-9.61	-3.84	1.25	-2.19	-5.12	-4.67	-6.09	-8.05	-4.05	-3.03	-1.07
θ (135°)	0.39	-0.73	-6.2	-7.77	-11.2	-17	-8.42	-11.1	-9.92	-4.26	-5.08	-10.9	-9.49	-11.5	-21.5	-1.5	[1.59]	-0.19	-2.52	-3.22	-5.66	-17	-6.64	-0.75	0.39
θ (150°)	-5.42	-6.07	-6.83	-23.6	-7.9	-4.97	-5.49	-9.67	-12.9	-3.17	0.36	0.61	-0.86	-3.71	-10	-3.72	0.59	-3.22	-5.32	-4.38	-4.09	-8.13	-5.92	-4.31	-5.42
θ (165°)	-4.56	-8.51	-17.5	-14.9	-13.9	-17.4	-15.9	-11.9	-4.21	-0.54	-0.24	-2.54	-6.32	-8.71	-7.1	-7.39	-9.18	-12.7	-20.6	-8.09	-3.41	-2.1	-2.4	-2.79	-4.56
θ (180°)	-11.6	-10.6	-9.62	-8.8	-7.36	-5.87	-5.46	-5.72	-6.3	-7.13	-7.85	-8.04	-8.37	-8.27	-7.83	-6.92	-5.98	-5.78	-6.31	-7.05	-8.06	-9.58	-11.4	-13.1	-11.6
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°)	-22.5	-19.3	-11.3	-7.52	-5.5	-4.23	-3.7	-3.71	-4.08	-5.08	-7.35	-11	-17.2	-18.4	-11.9	-7.81	-4.97	-3.52	-2.99	-3.37	-4.33	-5.9	-8.13	-11.5	-22.5
θ (15°)	-38.7	-15.1	-9.06	-7.25	-7.69	-8.82	-7.16	-4.19	-3.06	-4.7	-9.89	-10.7	-5.54	-2.26	-0.42	0.47	0.74	0.63	-0.77	-3.5	-7.82	-13.2	-13.5	-14.8	-38.7
θ (30°)	-15.8	-10.4	-8.75	-5.28	-3.08	-6.02	-29.3	-6.33	-4.62	-9.35	-14.7	-20	-16.8	-7.06	-2.27	1.27	[2.59]	1.58	0.25	-0.89	-3.3	-3.21	-4.55	-10.4	-15.8
θ (45°)	-8.24	-10.2	-18.7	-16.4	-12.6	-14.8	-5.42	-7.66	-8.63	-12.3	-15.7	-9.34	-7.9	-7.81	-10.3	-7.66	0.71	0.99	-4.17	-3.12	-3.18	-4.08	-9.56	-21.2	-8.24
θ (60°)	-5.81	-6.05	-6.29	-7.3	-4.57	-10.6	-4.23	-8.53	-4.83	-24.1	-10.2	-9.28	-10.1	-7.85	-2.75	-0.67	-4.16	-8.25	-1.16	-14.1	-6.25	-8.03	-32	-5.8	-5.81
θ (75°)	-7.22	-19.6	-16.2	-4.79	-3.1	-3.45	-0.44	-2.41	-6.52	-7.89	-11.5	-14.3	-7.25	0.21	2.07	-0.37	-3.34	-26	-4.81	-12.6	-16.7	-14.6	-14.5	-8.59	-7.22
θ (90°)	-12.8	-23	-13.7	-2.2	-3.72	-2.95	-0.8	-2.89	-2.96	-10.7	-7.75	-5.4	-18.2	-4.82	0.53	1.07	-4.61	0.06	-7.02	-3.63	-13.5	-4.4	-6.09	-8.63	-12.8
θ (105°)	-12.5	-12.2	-11.5	-5.77	-6.95	-6.64	-9.43	-9.69	-5.13	-3.26	-5.08	-5.62	-9.23	-5.92	-1.19	-2.66	-3.94	-2.56	-1.46	-0.61	-5.77	-2.07	-5.48	-17.7	-12.5
θ (120°)	-13.1	-15.8	-3.29	-5.81	-12.4	-10.3	-24.1	-7.05	-3.15	-3.49	-3.16	-10.3	-8.52	-17.3	-6.4	-7.83	-7.46	-8.6	-0.5	-10.4	-4.21	-16.9	-3.71	-2.62	-13.1
θ (135°)	-3.88	-6.96	-8.97	-4.25	-1.89	-7.59	-8.48	-4.49	-1.49	-14.3	-9.09	-15.8	-13.5	-5.73	-9.27	-8.99	-8.78	-16.8	-3.71	-8.5	-3.52	-5.86	-5.37	-2.79	-3.88
θ (150°)	-8.14	-7.77	-5.23	-6.82	-10.8	-8.99	-3.46	-4.07	-2.98	-5.13	-11.3	-8.16	-4.84	-4	-6.42	-14.1	-5.64	-3.41	-4.99	-5.18	-8.34	-12.2	-9.07	-6.59	-8.14
θ (165°)	-17.7	-12.7	-11.1	-8.25	-6.76	-5.33	-4.1	-4.46	-3.4	-3.57	-4.35	-4.07	-3	-3.97	-6.79	-7.21	-9.86	-10.8	-8.96	-7.94	-6.78	-7.85	-11.3	-15.7	-17.7
θ (180°)	-5.16	-5.83	-6.94	-7.4	-7.85	-9.28	-11.7	-11	-8.7	-6.96	-5.56	-5.14	-5.74	-6.98	-8.91	-11.1	-14.8	-11.7	-7.86	-6.99	-7.11	-6.48	-6.28	-5.87	-5.16

Ant.	No.3																								
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°)	-4.85	-5.04	-5.7	-6.94	-8.76	-10.76	-11.31	-9.48	-7.45	-6.09	-5.22	-4.79	-4.63	-4.96	-5.46	-6.51	-7.99	-9.35	-9.98	-8.94	-7.24	-5.83	-4.98	-4.67	-4.85
θ (15°)	-2.57	-2.36	-2.79	-3.94	-6.21	-10.78	-18.82	-12.66	-8.39	-7.58	-9.52	-14.99	-22.54	-13.29	-9.22	-7	-5.67	-5.11	-5.16	-5.67	-6.05	-5.44	-4.22	-3.35	-2.57
θ (30°)	-5.9	-5.91	-6.28	-6.23	-6.44	-7.75	-9.98	-9.25	-6.12	-5.4	-8.63	-25.17	-11.28	-6.37	-4.99	-4.89	-5.36	-4.81	-3.84	-3.7	-5.4	-9.25	-10.87	-7.91	-5.9
θ (45°)	-3.2	-5.15	-10.09	-16.3	-11.34	-7.81	-5.65	-3.89	-3.1	-5.36	-11.21	-6.78	-2.65	-1.32	-1.85	-3.71	-5.81	-6	-4.62	-4.44	-8.63	-20.64	-7	-3.99	-3.2
θ (60°)	1.05	0.41	-1.86	-6.59	-8.8	-4.32	-1.12	0.48	0.25	-1.58	-2.4	-0.53	0.72	0.99	0.21	-1.58	-3.38	-4.19	-3.83	-5.21	-10.92	-5.36	-0.04	1.45	1.05
θ (75°)	[3.18]	2.29	-0.19	-4.46	-4.84	-2.37	-0.1	0.9	-0.55	-2.81	-0.64	1.79	2.6	2.63	2.09	1.57	1.45	0.93	0.18	-1.53	-3.12	-0.05	2.24	3.05	3.18
θ (90°)	1.52	1.73	0.3	-3.49	-6.63	-5.73	-4.3	-1.3	-0.88	-1.44	-1.62	0.97	2.64	3.17	2.43	0.81	-0.39	-0.09	1.19	-0.33	-3.31	-0.38	1.61	1.38	1.52
θ (105°)	-3.5	-3.01	-3.65	-4.3	-3.44	-3.57	-7.48	-5.82	-2.68	-1.21	-1.11	-1.15	-1.15	-1.38	-1.49	-1.12	-1.57	-3.55	-3.66	-4.23	-5.74	-5.81	-5.53	-5.05	-3.5
θ (120°)	-4.32	-4.38	-4.57	-3.59	-1.27	-0.53	-2.81	-6.52	-5.74	-2.45	-0.25	0.41	0.27	0.11	-0.23	-0.78	-2.05	-4.47	-11.37	-19.75	-13.24	-11.4	-7.64	-5.07	-4.32
θ (135°)	-2.07	-3.02	-3.92	-3.28	-1.53	-0.81	-1.92	-3.49	-3.05	-1.42	-0.07	0.79	1.2	1.14	0.29	-1.92	-6.11	-12.96	-18.25	-6.95	-2.81	-1.31	-1.05	-1.28	-2.07
θ (150°)	-0.71	-1.7	-3.46	-5.47	-5.42	-3.63	-2.34	-1.44	-0.5	0.2	0.25	-0.29	-1.21	-2.49	-4.54	-9.1	-22.77	-14.11	-9.67	-8.41	-6.38	-3.55	-1.42	-0.27	-0.71
θ (165°)	-3.66	-3.32	-3.4	-3.89	-4.88	-5.96	-6.74	-6.61	-5.82	-4.97	-4.75	-5.38	-6.77	-8.28	-8.58	-7.53	-6.48	-6.18	-6.81	-8.13	-8.87	-7.58	-5.75	-4.77	-3.66
θ (180°)	-6.66	-7.19	-8.12	-9.73	-13.03	-19.46	-36.38	-17.58	-12.24	-9.29	-7.59	-6.8	-6.63	-7.2	-8.41	-10.71	-15	-24.24	-20.76	-13.43	-9.85	-7.75	-6.76	-6.51	-6.66
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°)	-8.75	-7.89	-6.61	-5.29	-4.38	-4.08	-4.38	-5.37	-6.77	-8.37	-9.83	-10.98	-11.13	-10.93	-8.45	-6.59	-5.14	-4.91	-4.66	-5.27	-6.39	-7.67	-8.77	-9.15	-8.75
θ (15°)	-24.16	-11.91	-7.31	-4.68	-3.16	-2.67	-3.16	-4.77	-7.48	-8.88	-7.16	-5.64	-5.35	-6.06	-7.46	-9.59	-12.14	-12.31	-9.54	-7.27	-6.3	-6.89	-9.7	-15.34	-24.16
θ (30°)	-9.37	-6.56	-5.27	-5.75	-6.66	-6.5	-5.71	-6.22	-9.59	-13.1	-8.46	-6.47	-7.45	-9.68	-10.5	-10.23	-9.67	-11.54	-16.26	-12.63	-7.13	-5.32	-6.59	-10.11	-9.37
θ (45°)	-9.86	-4.76	-3.73	-5.57	-10.01	-10.58	-6.47	-5.38	-8.44	-12.93	-11.19	-11.4	-15.24	-26.79	-13.78	-9.44	-7.81	-7.18	-8.92	-16.2	-6.96	-3.98	-6.41	-12.73	-9.86
θ (60°)	-10.02	-5.75	-4.01	-5.13	-9.83	-23.2	-12.22	-7.15	-7.72	-11.46	-31.21	-10.46	-5.93	-6.09	-6.93	-6.98	-7.94	-6.6	-6.22	-13.48	-7.63	[-1.28]	-2.27	-9.16	-10.02
θ (75°)	-9.48	-5.67	-4.76	-6.59	-12.22	-25.76	-18.27	-15.16	-10.78	-12.1	-13.57	-4.45	-3.63	-5.89	-8.46	-9.34	-10.5	-8.76	-6.37	-16.03	-5.23	-1.89	-3.59	-9.69	-9.48
θ (90°)	-9.37	-6.46	-4.17	-3.9	-6.38	-11.78	-19.64	-24.49	-12.89	-12.36	-15.98	-4.65	-3.08	-5.09	-7.52	-8.9	-10.06	-8.83	-11.32	-9.53	-9.75	-2.34	-4.34	-10.42	-9.37
θ (105°)	-8.81	-5.99	-5.27	-6.83	-11.34	-15.85	-14.4	-13.59	-9.07	-13.48	-11.58	-5.5	-6.99	-10.25	-7.3	-5.57	-7.72	-7.98	-10.36	-15.87	-8.09	-3.65	-2.85	-6.59	-8.81
θ (120°)	-7.56	-8.07	-9.63	-13.4	-11.91	-9.81	-9.27	-8.23	-6.65	-8.74	-20.33	-8.89	-7.93	-11.68	-9.22	-6.01	-7.35	-11.7	-7.46	-15.81	-6.82	-2.97	-3.91	-5.55	-7.56
θ (135°)	-10.06	-14.88	-17.33	-11.48	-8.48	-8.92	-7.95	-4.29	-2.72	-5.3	-14.94	-12.69	-9.96	-11.84	-12.8	-13.17	-21.08	-9.89	-5.06	-8.94	-11.78	-2.71	-2.15	-4.63	-10.06
θ (150°)	-6.33	-11.75	-15.71	-7.85	-4.32	-2.7	-1.84	-1.28	-1.52	-3.59	-8.46	-13.74	-9.98	-7.93	-7.57	-7.93	-8.3	-7.13	-5.37	-6.11	-11.29	-8.79	-3.96	-3	-6.33
θ (165°)	-4.69	-4.94	-6.67	-9.17	-11.16	-10.87	-9.09	-7.6	-7.02	-7.47	-8.83	-10.07	-10.03	-9.84	-10.03	-11.12	-12.48	-12.41	-11.25	-11.24	-14.72	-20.14	-11.02	-7.02	-4.69
θ (180°)	-31.15	-20.14	-14.43	-10.83	-8.53	-7.16	-6.57	-6.63	-7.29	-8.79	-11.64	-16.83	-30.43	-17.63	-11.98	-8.98	-7.25	-6.43	-6.21	-6.49	-7.45	-9.51	-13.18	-19.43	-31.15

Ant.	No.3																								
Freq. (MHz)	5200																								
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°)	-8.19	-8.74	-10.2	-12.4	-16.1	-22.1	-18.6	-13.6	-10.8	-9.05	-8.03	-7.45	-7.42	-8.23	-9.79	-12.8	-17	-25.4	-18.9	-13.8	-11.1	-9.41	-8.48	-8.16	-8.19
θ (15°)	-5.06	-5.52	-6.34	-7.68	-8.84	-10.7	-14.3	-17.2	-14.4	-10.3	-7.08	-5.21	-4.8	-5.97	-8.55	-12.2	-14.6	-13.6	-11.7	-9.9	-8.34	-7.64	-6.6	-5.89	-5.06
θ (30°)	-3.07	-4.53	-6.82	-8.04	-9.42	-9.86	-11.2	-19.1	-24.5	-16.4	-10.2	-6.36	-5.48	-6.91	-9.91	-12.2	-11.8	-12.6	-14.1	-13.2	-11.1	-8.77	-4.97	-2.7	-3.07
θ (45°)	-3.1	-5.19	-7.91	-11.6	-13.6	-16.1	-12.2	-14.5	-24.9	-16.9	-9.65	-9.12	-10.1	-10.3	-13.3	-17.9	-17.2	-14.4	-12.7	-14.1	-11.2	-5.67	-2.18	-1.52	-3.1
θ (60°)	-2.68	-3.45	-6.41	-12.3	-10.7	-10.1	-7.69	-7.61	-13.4	-20.6	-11.3	-12.2	-7.7	-5.6	-7.52	-13.8	-13.3	-11.9	-8.15	-14	-12.6	-5.35	-2.83	-3.03	-2.68
θ (75°)	[-0.59]	-4.56	-12.2	-13.4	-9.92	-7.66	-6.19	-10.1	-11.7	-18.5	-13.9	-6.69	-2.73	-3.73	-7.94	-9.24	-9.58	-12.4	-8.85	-13.9	-7.1	-6.51	-6.28	-3.64	-0.59
θ (90°)	-2.12	-6.69	-9.39	-12.1	-8.73	-9.99	-7.84	-11.8	-12.9	-11	-22	-4.52	-0.99	-3.72	-7.77	-8.89	-6.65	-14.6	-8.55	-13.4	-9.56	-6	-23.1	-7.08	-2.12
θ (105°)	-13.7	-17.1	-15	-21.7	-13.7	-8.16	-9.13	-10.1	-13.5	-16.9	-11.9	-1.72	-0.75	-4.36	-6.79	-7.09	-6.68	-14.6	-11.4	-11.4	-8.83	-7.87	-12.3	-20	-13.7
θ (120°)	-8.76	-9.75	-30.2	-18.6	-19.2	-21.7	-19.4	-14.9	-10.9	-16	-13.1	-4.43	-2.43	-4.8	-7.97	-11.1	-6.29	-6.28	-7.83	-9.18	-13.3	-11.8	-11.8	-8.48	-8.76
θ (135°)	-15.4	-13.2	-18.4	-25.5	-17.9	-17.8	-12.1	-12.5	-14.7	-12.5	-6.5	-6.03	-6.08	-8.14	-11.9	-7.88	-5.13	-6.09	-10.8	-11.2	-12.2	-14	-23.6	-17.3	-15.4
θ (150°)	-26	-33.4	-21.7	-16.3	-17.4	-15	-12.9	-14.7	-20.1	-13.3	-7.38	-4.56	-3.87	-5	-7.8	-14	-21.1	-19.4	-26	-18	-19.5	-20.5	-20.6	-22.5	-26
θ (165°)	-15.8	-15.2	-16.6	-20.9	-27.5	-27.6	-25.2	-43.7	-16.5	-9.32	-6.51	-5.74	-6.2	-7.6	-9.56	-12.9	-21.2	-27.2	-18.3	-14.7	-14.6	-17.4	-20.4	-18.6	-15.8
θ (180°)	-14.1	-14.2	-14.4	-15.5	-18	-21.3	-25.8	-26.7	-23.6	-20.1	-17.7	-16	-15.1	-14.5	-14.5	-15.3	-16.7	-20	-26.4	-31.9	-22.4	-17.8	-15	-14.1	-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°)	-16.8	-13.9	-11	-9.3	-8.22	-7.8	-7.81	-8.14	-9.35	-11.4	-14.5	-18.6	-18.7	-14.4	-11	-9.17	-8.1	-7.4	-7.56	-8.3	-9.55	-11.6	-14.3	-17.2	-16.8
θ (15°)	-14.6	-16.4	-17.5	-16.8	-14.3	-10.6	-8.65	-7.69	-7.28	-7.34	-8.82	-12.7	-16	-10.8	-7.76	-7.07	-7.36	-8.32	-10.3	-12.2	-12.8	-12	-11.8	-12.1	-14.6
θ (30°)	-24.8	-19.4	-19.1	-16.8	-14.4	-14.1	-11.1	-8.82	-8.26	-6.95	-6.73	-9.6	-15.5	-12.4	-7.99	[-6.41]	-6.41	-7.88	-11	-12.5	-10.3	-9.29	-10.6	-15.6	-24.8
θ (45°)	-15.7	-18.4	-20.1	-14.8	-11.6	-12.8	-10.4	-9.71	-12.7	-9.17	-8.81	-13.5	-35	-15.5	-11.9	-10.1	-7.58	-7.63	-11.5	-11.4	-8.83	-8.89	-13.8	-24.2	-15.7
θ (60°)	-21.7	-28.8	-32.9	-20.7	-13.8	-12.5	-11.2	-8.99	-14.8	-13.3	-11.1	-16	-19.1	-13.4	-16	-25.3	-14.5	-7.78	-9.09	-19.4	-14	-11.6	-20.4	-22	-21.7
θ (75°)	-22	-19.5	-36.8	-16.1	-9.7	-13.4	-8.32	-8.42	-18.6	-14.3	-12.3	-18	-17.8	-18.9	-18	-28.1	-16	-10.6	-16.1	-24	-14.9	-20.9	-17	-17.4	-22
θ (90°)	-16.4	-19.5	-24.1	-18.2	-13.2	-11.6	-11.9	-7.37	-14.3	-15.5	-19.6	-21	-19.2	-18.9	-25.2	-20	-31.7	-20.8	-15.7	-29.9	-12.8	-17.4	-15.5	-19.4	-16.4
θ (105°)	-12.1	-16.2	-18.5	-14.5	-20.4	-18.1	-17.1	-22.9	-19.9	-18.8	-33.2	-20.4	-17.7	-17.3	-17.8	-28.5	-14.5	-13.1	-19.5	-13.8	-12.4	-18.2	-17.3	-22.9	-12.1
θ (120°)	-22.6	-14.4	-12	-16.3	-15.1	-24.1	-19	-20.8	-19.7	-20.5	-18.8	-22.7	-20.1	-14	-14.1	-20.5	-16.5	-9.96	-14.7	-12	-14.9	-10.8	-12.6	-16.8	-22.6
θ (135°)	-12.7	-8.67	-10.9	-16	-18.5	-15.9	-20.3	-25.6	-21.7	-24	-13.6	-14.1	-16.7	-14.8	-13.6	-11.4	-11.5	-7.95	-19.6	-12.8	-13.3	-14.1	-12.6	-13.1	-12.7
θ (150°)	-17.8	-19.6	-22.3	-20.1	-12.3	-13.1	-25.1	-19.1	-20.5	-10.6	-9.18	-10.5	-16.1	-19.3	-15.5	-12	-15.6	-17.2	-11.2	-11.5	-16.7	-13.6	-11.8	-13.5	-17.8
θ (165°)	-14.2	-14.5	-14.8	-15.3	-16.1	-18	-20.6	-14.2	-10.2	-9.44	-11.6	-16.3	-24.1	-20.6	-15.1	-12	-12.3	-14.4	-17.6	-21.2	-19.4	-16	-14.4	-14.2	-14.2
θ (180°)	-39.9	-26.8	-21.2	-16.6	-14	-13.4	-14.3	-14.4	-14.6	-15.2	-17	-19.6	-22.6	-28.7	-33	-20.7	-17.3	-14.4	-12.5	-12.6	-13.4	-14.7	-18.4	-25	-39.9

Ant.	No.3																										
Freq. (MHz)	5300																										
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°)	-6.8	-7.54	-8.81	-11.1	-15.1	-23.6	-22.4	-14.6	-10.6	-8.17	-6.77	-6.39	-6.53	-7.32	-8.61	-10.9	-15.7	-26.1	-22.2	-14.8	-10.9	-8.54	-7.25	-6.63	-6.8		
θ (15°)	-5.44	-5.65	-6.46	-7.93	-9.95	-13.1	-18.4	-21.9	-14.4	-8.25	-5.08	-3.6	-3.63	-4.98	-7.27	-9.85	-12.8	-14.1	-12.1	-9.84	-7.71	-6.38	-5.8	-5.63	-5.44		
θ (30°)	-2.2	-3.58	-5.4	-6.17	-7.31	-8.25	-11.3	-23.3	-21.7	-16.4	-8.8	-5.34	-5.13	-6.81	-9.51	-10.6	-9.83	-10.6	-13.5	-14.2	-9.83	-7.34	-4.72	-2.42	-2.2		
θ (45°)	-1.96	-4.17	-7.17	-10.4	-12.5	-12	-10.9	-18.1	-18.9	-16.6	-8.95	-9.01	-9.01	-9.82	-13.1	-22.3	-17.9	-12.7	-10.6	-14.3	-11.9	-6.04	-2.16	-0.99	-1.96		
θ (60°)	-2.32	-2.99	-5.56	-10.8	-9.67	-9.87	-6.44	-8	-13.3	-18.9	-11.4	-14.6	-6.41	-4.18	-6.85	-12.6	-12.4	-10.6	-7.69	-11.2	-15.8	-5.49	-2.27	-1.79	-2.32		
θ (75°)	[0.30]	-3.68	-10.1	-12.4	-8.64	-7.29	-5.43	-11.9	-9.45	-17.2	-14.7	-6.08	-2.29	-4.42	-8.58	-10	-8.53	-9.98	-6.92	-13.6	-7.9	-6.41	-5.16	-2.5	0.3		
θ (90°)	-1.36	-5.79	-8.73	-12.7	-7.51	-10	-6.17	-11.4	-12.7	-10	-33.8	-2.98	-0.03	-2.83	-6.38	-8.32	-5.78	-13.7	-9.72	-11.2	-8.86	-5.15	-20.3	-6.58	-1.36		
θ (105°)	-16.9	-23.9	-13.8	-23.3	-12.8	-8.25	-7.22	-10.4	-10.4	-13.9	-9.29	-0.47	-0.09	-3.17	-6.22	-6.73	-5.44	-16.5	-11.4	-11.2	-9.34	-7.49	-11.3	-17.7	-16.9		
θ (120°)	-7.9	-9.03	-23.9	-16.9	-16.3	-21.1	-17.6	-15.2	-9.47	-15.2	-13.6	-2.39	-0.75	-3.47	-7.11	-11	-5.83	-8.02	-8.3	-8.77	-15.5	-10.9	-12.6	-7.64	-7.9		
θ (135°)	-14.8	-13.9	-18.5	-29.4	-17.2	-19	-10.8	-11.3	-12.7	-11.5	-6.42	-5.46	-5.01	-6.53	-10.3	-6.42	-4.3	-6.39	-11.7	-12	-13.2	-13.6	-23.6	-17.7	-14.8		
θ (150°)	-25.6	-31.7	-18	-14.7	-16.9	-14.7	-12.6	-14	-19.1	-12.2	-6.55	-3.69	-2.78	-4.27	-7.4	-13.8	-20.7	-18.1	-23.7	-16.7	-18.3	-22.9	-20.4	-19.4	-25.6		
θ (165°)	-14.6	-14.6	-16.3	-20.9	-26.4	-23.8	-24.8	-32.9	-13.5	-7.25	-4.76	-4.15	-4.69	-5.99	-7.61	-10.4	-17.4	-38	-18.6	-14.7	-14.8	-17.8	-19.1	-16.9	-14.6		
θ (180°)	-12.8	-12.7	-13.1	-14.4	-17.7	-20.7	-26	-26.7	-21.2	-18.7	-16.5	-15.6	-14.6	-14.1	-14.1	-15	-16.7	-20.2	-25.5	-27.8	-20.4	-16.1	-13.7	-12.8	-12.8		
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°)	-17.8	-13.2	-10.1	-7.91	-6.77	-6.09	-6.16	-6.79	-8.15	-10.6	-14.6	-20.7	-18.6	-13.5	-10	-7.97	-6.72	-6.4	-6.54	-7.18	-8.66	-11	-15.2	-20.8	-17.8		
θ (15°)	-14.2	-14.3	-13.3	-12.2	-10.2	-8.74	-7.72	-6.27	-4.97	-5.4	-7.41	-11.5	-11.7	-7.89	-5.42	-4.58	-5.44	-7.22	-9.11	-10.5	-12.7	-15.3	-16.1	-14.8	-14.2		
θ (30°)	-18.2	-16.1	-17.8	-16.8	-14.9	-13.9	-10.1	-8.14	-6.51	-5.27	-6.06	-9.97	-14.9	-9.86	-6.17	-4.37	[-3.78]	-5.19	-8.9	-11.1	-10.3	-9.46	-9.86	-14.2	-18.2		
θ (45°)	-11.5	-13.7	-18.5	-13.1	-11.6	-11.4	-9.45	-9.03	-11.1	-7.95	-8.3	-13.6	-24.8	-14.2	-11.7	-9.28	-5.49	-5.1	-8.42	-11.2	-9.59	-7.96	-10.8	-16.6	-11.5		
θ (60°)	-18.3	-22.1	-26.2	-17.4	-12.9	-10.6	-10.3	-8.29	-12.8	-12	-10.9	-17.4	-16.8	-13.4	-15.2	-20.7	-16	-6.73	-7.39	-15.5	-15.5	-10.2	-16.8	-24.1	-18.3		
θ (75°)	-21.1	-16.1	-30	-13	-8.64	-12.3	-6.46	-8.5	-14.2	-13.5	-10.8	-18.3	-17.2	-21.1	-13.2	-17.1	-16.8	-9.54	-13.6	-24.9	-16.4	-20	-17.1	-18	-21.1		
θ (90°)	-14.8	-15.2	-31.9	-14.9	-10.9	-10.6	-10.1	-6.47	-14.2	-13.6	-19.7	-20.4	-15.3	-19.4	-21.7	-17.7	-21.3	-15.1	-14.5	-22.9	-14.6	-16.5	-15.2	-18.4	-14.8		
θ (105°)	-11.4	-13.3	-18.8	-14.7	-15	-14.7	-15.8	-17.1	-14.1	-14.8	-23.8	-15.5	-16.7	-20.3	-21.6	-21.9	-17.4	-12.2	-20.6	-14.2	-11.7	-16.2	-18.3	-19.7	-11.4		
θ (120°)	-23.5	-14	-10.9	-15.9	-15	-17.1	-18.4	-23.5	-16	-22.4	-17.6	-17.1	-18.4	-12.2	-12.2	-22	-15.6	-8.13	-14.3	-11.9	-14.1	-11.1	-13	-14.6	-23.5		
θ (135°)	-11.3	-7.82	-9.86	-14.2	-16.7	-15	-19	-26.4	-19.2	-22	-12.7	-13.1	-17.8	-17.3	-15.6	-11.1	-9.13	-5.86	-16.5	-10.8	-11.6	-13.8	-11.1	-11.6	-11.3		
θ (150°)	-14.5	-16.1	-18	-20.4	-12.3	-14.1	-19.9	-15.6	-18.4	-9.45	-7.95	-8.53	-14.1	-20.3	-15.1	-11.7	-14.7	-14.7	-9.58	-9.65	-15.7	-12.8	-10.3	-11	-14.5		
θ (165°)	-12.8	-13.1	-14.4	-15.9	-17	-20.1	-19.8	-12	-8.06	-7.86	-9.95	-14.4	-21.6	-19.1	-14.5	-11.3	-11.4	-14.1	-17.1	-21.4	-19.5	-15.3	-13.9	-13.8	-12.8		
θ (180°)	-35	-31.8	-21.5	-15.1	-13.9	-12.9	-13	-13.2	-13.7	-14.2	-15.4	-17.7	-22.7	-31.1	-25.6	-19.3	-15.6	-14.5	-12.4	-12	-12.5	-13.8	-17.6	-22.1	-35		

Ant.	No.3																								
Freq. (MHz)	5600																								
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°)	-6.28	-6.87	-8.17	-10.5	-14.7	-22.6	-18.6	-12.3	-8.92	-7.08	-5.98	-5.66	-5.72	-6.4	-7.94	-10.4	-14.6	-23.7	-19.3	-12.4	-8.88	-6.92	-5.99	-5.7	-6.28
θ (15°)	-5.53	-6.25	-8.5	-10.8	-12.2	-13.4	-14.6	-13.4	-9.53	-6.27	-4.32	-3.23	-3.07	-3.46	-4.17	-5.1	-6.52	-8.93	-12	-13.5	-12.1	-10.1	-8.18	-6.69	-5.53
θ (30°)	-1.98	-2.54	-4.14	-6.6	-11.2	-12.3	-11.3	-16.1	-31.2	-16.4	-11.7	-9.37	-8.94	-8.19	-6.32	-5.19	-6.08	-8.72	-11.8	-11.1	-9.51	-7.11	-4.59	-2.64	-1.98
θ (45°)	-3	-5.16	-7.43	-8.59	-9.82	-14.6	-11.2	-15.8	-17.1	-14.3	-12	-15.7	-9.7	-7.51	-10.3	-16.3	-21.4	-15.5	-9.06	-11.8	-13.5	-7.36	-3.66	-2.11	-3
θ (60°)	-1.65	-3.86	-8.39	-10.6	-6.01	-7.5	-6.64	-7.85	-11.1	-13.7	-12.1	-16.3	-6.51	-7.24	-8.36	-14.1	-13.8	-12.8	-7.99	-10.1	-10.2	-5.08	-2.2	-0.33	-1.65
θ (75°)	[0.67]	-3.02	-7.38	-9.82	-8.05	-9.02	-6.61	-10.6	-7.62	-23.3	-25.9	-5.2	-5.35	-6.8	-9.32	-8.23	-7.41	-8.36	-7.41	-14.7	-6.76	-6.87	-6.33	-1.21	0.67
θ (90°)	-2.78	-6.72	-7.85	-13.3	-7.41	-9.56	-6.13	-8.15	-8.36	-7.67	-16.2	-3.47	-0.66	-1.73	-4.86	-7.09	-5.43	-8.96	-8.59	-7.24	-5.63	-3.78	-13	-7.51	-2.78
θ (105°)	-24.9	-16.9	-15.3	-21.6	-12.1	-11	-8.27	-16.2	-9.37	-14	-10.9	-0.63	-1.06	-2.65	-5.66	-5.22	-5.86	-9.62	-12.6	-10.8	-6.72	-7.79	-8.31	-12.2	-24.9
θ (120°)	-8.13	-9.84	-26.1	-19.3	-12.3	-18.3	-12.5	-13.3	-6.21	-7.58	-10.8	-0.98	0.41	-0.78	-6.24	-12.1	-7.26	-11.5	-8.95	-9.28	-13.6	-11	-16.2	-8.44	-8.13
θ (135°)	-16.8	-16.2	-18.5	-20.6	-14.7	-12	-9.36	-12.6	-14.1	-15.1	-7.18	-4.72	-5.19	-5.82	-9.57	-7.33	-3.5	-7.58	-10.8	-12.2	-14.7	-15.2	-21.3	-13.8	-16.8
θ (150°)	-36.5	-21.3	-16.1	-15.7	-24.5	-16.9	-12.5	-11.8	-21.9	-15	-7.22	-3.01	-1.54	-2.62	-8.18	-16.1	-15.6	-21.6	-24.2	-18.3	-17.9	-42.4	-21.5	-21.1	-36.5
θ (165°)	-14.2	-14.9	-18.4	-29	-26.1	-20.2	-23.7	-23.5	-10.6	-5.65	-3.58	-2.95	-3.35	-4.57	-6.17	-8.23	-12.1	-19.3	-27.4	-17.8	-17.4	-22	-20.2	-16.9	-14.2
θ (180°)	-13.7	-13.6	-13.7	-14.5	-16.7	-19.5	-24.2	-55.3	-25.6	-20.3	-18	-17.3	-16.5	-15.7	-15.3	-15.8	-16.5	-19.1	-22.5	-26.1	-19.9	-15.9	-14	-13.6	-13.7
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°)	-17.3	-11.7	-8.57	-7.08	-5.98	-5.44	-5.76	-6.71	-8.51	-11.6	-17.3	-34.7	-18.9	-12.1	-8.87	-6.99	-6.05	-5.79	-6.47	-7.38	-8.86	-11.8	-17.8	-49.5	-17.3
θ (15°)	-28.1	-16.7	-13.4	-12.8	-10.9	-8.49	-7.03	-6.62	-6.78	-8.41	-12.8	-30.8	-15.5	-10.3	-7.91	-6.56	-6.34	-6.05	-5.82	-6.89	-9.38	-12	-14.4	-18.5	-28.1
θ (30°)	-31.4	-19.3	-13.9	-12.4	-13.2	-15.9	-11.7	-7.83	-6.35	-5.71	-7.47	-12.7	-27.2	-15.7	-11.4	-8.44	-5.27	[-4.61]	-5.37	-6.85	-6.84	-7.18	-9.27	-13.2	-31.4
θ (45°)	-12	-13.7	-18.4	-26.5	-17.8	-14.1	-12.1	-12.2	-9.65	-8.97	-10.4	-11.7	-23.1	-19.5	-14.7	-11.5	-8.54	-4.66	-5.19	-8.76	-7.54	-7.23	-9.06	-12.8	-12
θ (60°)	-13.4	-15.4	-18.4	-14	-10.6	-9.86	-8.55	-6.8	-13.4	-10.4	-10.4	-9.03	-17	-16.5	-13.6	-14.1	-17.4	-8.03	-7.07	-12.5	-21.9	-11.4	-16.6	-25.9	-13.4
θ (75°)	-21.5	-16	-34.4	-11.9	-8.37	-8.91	-4.91	-6.77	-11.3	-9.67	-9.63	-16.4	-16	-18.8	-11.4	-10.9	-14.5	-11.3	-12.3	-17.1	-15.3	-28.1	-13.4	-14.7	-21.5
θ (90°)	-15.8	-14.1	-16.4	-12.3	-10.2	-10.6	-9.12	-7.93	-13.2	-15.4	-15.4	-24.8	-18	-23.6	-17.5	-12.5	-12.9	-12.4	-21.2	-19.7	-19.9	-19.6	-13.4	-17.1	-15.8
θ (105°)	-13.8	-15.2	-27.9	-17.4	-12.4	-15	-12.3	-15.5	-11.6	-14.7	-18.9	-15.9	-19.2	-20.7	-18.1	-10.2	-29.3	-12.2	-18.2	-15.9	-13.5	-15.8	-21.7	-23.8	-13.8
θ (120°)	-13	-14.4	-16.9	-18.2	-14.1	-17.9	-25.4	-26	-14.2	-41.5	-14.4	-11.4	-18.4	-10.4	-15.4	-17.7	-29	-11	-11.1	-11.5	-15.6	-11.3	-17.5	-15.1	-13
θ (135°)	-11.3	-7.11	-12.7	-17.5	-16.6	-16.3	-33.8	-16.9	-15	-23.9	-14.7	-14.8	-12.8	-19.8	-20.1	-10	-8.48	-5.94	-16.8	-12	-9.69	-16.9	-11.9	-11.7	-11.3
θ (150°)	-15.9	-14.9	-16.5	-32.4	-15.1	-15.4	-13.5	-9.9	-20.9	-9.17	-6.22	-6.12	-10.4	-18.5	-12.1	-11	-12.5	-9.46	-8.93	-8.56	-14.2	-12.9	-10.6	-12.7	-15.9
θ (165°)	-14.1	-14.1	-15.4	-16.6	-16.7	-19.6	-19	-12.2	-8.87	-8.8	-10.3	-14	-18.1	-16.3	-12.5	-10.8	-10.4	-12.2	-13.1	-15.8	-21.1	-17.9	-17	-15.5	-14.1
θ (180°)	-30.2	-32.1	-23.3	-18.4	-14.2	-12.5	-12	-12	-12.9	-14.4	-17.1	-20.3	-23.9	-25.8	-22.1	-18.1	-16.9	-14.5	-13	-12.2	-12	-13.2	-15.2	-18.9	-30.2

Ant.	No.3																								
Freq. (MHz)	5785																								
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°)	-2.94	-3.31	-4.35	-5.95	-8.89	-13.5	-17.6	-12.9	-8.43	-5.77	-4.25	-3.4	-2.85	-2.95	-3.72	-5.59	-8.22	-12.8	-17.7	-12.5	-8.16	-5.57	-3.88	-3.01	-2.94
θ (15°)	-8.6	-9.47	-10.2	-10.5	-12.1	-17.6	-30.7	-14.9	-9.91	-6.5	-4.37	-3.27	-2.97	-2.99	-3.34	-4.26	-6.29	-9.73	-16.6	-33.6	-17.3	-12.1	-9.86	-8.72	-8.6
θ (30°)	-2.37	-3.13	-5.17	-9.47	-13.1	-10.5	-13.8	-33.3	-18.4	-18.5	-13.1	-10.3	-9.23	-7.8	-5.86	-4.81	-5.4	-9.74	-18.9	-14.5	-9.25	-6.48	-4.84	-3.13	-2.37
θ (45°)	-3.62	-5.36	-9.08	-10.2	-13.9	-11.8	-10	-18.6	-14.9	-14.5	-23.4	-16.1	-9.84	-8.42	-9.26	-15.9	-22.1	-17.6	-10.1	-9.43	-9.61	-8.32	-4.65	-3.44	-3.62
θ (60°)	-1.8	-5.42	-8.52	-13.2	-7.84	-10.2	-8.72	-10.9	-12.4	-14	-13.1	-19.6	-8.59	-8.43	-12.6	-22.7	-17.1	-11.3	-7.98	-8.37	-9.55	-5.26	-3.76	-1.01	-1.8
θ (75°)	[0.87]	-2.89	-7.42	-7.87	-7.86	-9.69	-7.68	-11.2	-8.21	-19.7	-21.6	-8.4	-8.32	-9.65	-11.1	-11.6	-8.31	-8.04	-10.7	-18.8	-9.6	-4.71	-7.4	-0.58	0.87
θ (90°)	-4.27	-8.28	-8.36	-9.88	-8.88	-10.5	-5.6	-9.92	-8.53	-8.54	-14.9	-5.86	-3.77	-3	-4.73	-7.98	-5.95	-7.32	-7.17	-7.48	-5.29	-2.48	-11.9	-8.51	-4.27
θ (105°)	-38	-18	-17	-18.9	-16.2	-14.9	-10.4	-40.9	-11.8	-10.8	-17.3	-3.09	-3.55	-4.53	-5.04	-6.06	-6.92	-7.66	-12.9	-11.6	-6.89	-6.2	-7.19	-12.1	-38
θ (120°)	-6.87	-10.7	-22	-19.8	-12.6	-33.6	-9.84	-12.8	-6.8	-8.47	-10.1	-1.05	0.38	0.24	-5.03	-13.6	-9.94	-17.3	-14.8	-9.64	-9.18	-12.2	-14.3	-8.45	-6.87
θ (135°)	-13.8	-18.8	-16.5	-19.4	-15.7	-13.1	-11.6	-18.1	-14	-18	-9.02	-5.97	-7.7	-10.6	-14.3	-9.97	-4.31	-7.17	-9.82	-12.6	-16.1	-15	-20.3	-11.7	-13.8
θ (150°)	-18.8	-15.3	-15.1	-17.8	-35.3	-19.5	-13.7	-11.7	-18.4	-20.1	-7.49	-2.91	-1.52	-1.98	-6.32	-23	-13	-12.6	-13.8	-16	-15.8	-24.1	-28.2	-35.5	-18.8
θ (165°)	-15.9	-18.9	-24.3	-21	-20.1	-23.2	-33.2	-21.2	-11.7	-7.17	-4.96	-4.11	-4.23	-5.85	-8.21	-9.84	-11.9	-15.8	-18.6	-14.9	-14.2	-15.8	-16.6	-16.1	-15.9
θ (180°)	-12.7	-12.5	-12.4	-12.8	-14.7	-16.6	-19.9	-21.4	-18.7	-16.5	-14.9	-14.6	-13.9	-13.8	-13.4	-13.1	-14.7	-16.9	-20.9	-32	-21.4	-16	-14	-12.9	-12.7
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°)	-21.6	-12.8	-8.03	-5.35	-3.97	-3.29	-3	-3.28	-4.21	-5.99	-8.74	-13.3	-18.7	-12.9	-8.32	-5.77	-4.03	-3.18	[-2.69]	-2.92	-4.2	-6.16	-9.44	-14.6	-21.6
θ (15°)	-22.4	-17.2	-14.5	-10.6	-7.15	-5.18	-4.43	-4.23	-4.64	-6.17	-9.78	-18.1	-20.3	-12.5	-8.49	-6.29	-4.38	-3.6	-4.08	-5.89	-8.47	-11.7	-16.9	-26.3	-22.4
θ (30°)	-23.3	-14.6	-11.1	-10.5	-14.9	-15.5	-9.56	-8.02	-7.24	-6.15	-9.05	-17.7	-20.3	-17.6	-16.4	-11.3	-7.47	-4.34	-4.1	-6.42	-7.74	-8.73	-10.2	-14.4	-23.3
θ (45°)	-17.2	-23.6	-25.4	-20.4	-15.9	-16.6	-14.4	-14.2	-10.2	-8.71	-8.8	-11.2	-14.6	-16.7	-13.9	-10.6	-9.07	-5.1	-5.16	-6.44	-7.91	-8.64	-9.21	-12.1	-17.2
θ (60°)	-15.1	-14.2	-17	-16.3	-12.2	-10.6	-6.97	-8.93	-11.3	-11.7	-10.4	-10.2	-18.8	-22.8	-17.1	-10.2	-13.3	-9.87	-6.74	-10.1	-21.9	-13.7	-19.6	-23.4	-15.1
θ (75°)	-25.2	-27.1	-18.2	-10.2	-10.9	-8.15	-5.32	-8.89	-11	-11.1	-10.7	-13.7	-16.1	-23.9	-13	-12.3	-13.3	-10.2	-8.95	-16.3	-16.2	-18.5	-15.8	-13.6	-25.2
θ (90°)	-25.3	-16.3	-15.1	-11.7	-10.7	-11	-8.73	-8.19	-13.6	-12.5	-16.1	-24	-16.6	-22.8	-16.5	-13.8	-13.1	-12.1	-16	-20.7	-18.5	-18.3	-17.8	-14.9	-25.3
θ (105°)	-16.8	-16.2	-17.4	-17.2	-12.5	-15.2	-13.4	-19.3	-14.2	-14.6	-16.7	-15.1	-22.3	-20.2	-15.2	-10.8	-32.6	-17.1	-27.1	-14.4	-14.6	-17	-21.1	-29.6	-16.8
θ (120°)	-12.2	-12.3	-23.2	-24.1	-16.8	-19.5	-23.7	-24.4	-13.6	-27.6	-13.8	-11.1	-16.8	-10.6	-20.3	-13.7	-25.9	-16	-13.2	-10.9	-24.4	-10.7	-12.8	-14.9	-12.2
θ (135°)	-12	-7.15	-12.5	-24.4	-19.5	-18.3	-31	-21.8	-12.4	-23.8	-25.9	-20.9	-11.3	-12.2	-30.7	-14.1	-10.2	-7.15	-12.2	-16.9	-13.2	-20.5	-14.3	-11.6	-12
θ (150°)	-15.6	-14.1	-13.8	-20	-15.2	-16.6	-11.2	-8.66	-17.4	-8.84	-5.14	-4.56	-7.23	-13	-12.6	-11.3	-11.4	-7.31	-9.21	-10.2	-14.1	-12.9	-9.8	-11.5	-15.6
θ (165°)	-15.2	-15.3	-19.8	-20.2	-19.5	-23.6	-23.3	-15.2	-11.4	-9.97	-9.52	-11.4	-13.8	-13.3	-12.6	-12.6	-13.9	-14.3	-13.1	-14.7	-20.4	-19.8	-18.6	-17.7	-15.2
θ (180°)	-22.3	-21.2	-20.5	-17	-14	-12.1	-11.7	-12.3	-12.4	-13.8	-16.2	-19.1	-21.8	-25.3	-34	-27.2	-19.2	-16.9	-14.2	-12.3	-11.7	-12.7	-15.8	-19	-22.3

Ant.	No.4																								
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°)	-21.4	-13.1	-7.19	-4.1	-2.34	-1.37	-1	-1.15	-1.8	-3.15	-5.41	-9.25	-16.2	-15.5	-8.69	-4.98	-2.73	-1.38	-0.71	-0.66	-1.32	-2.83	-5.54	-10.2	-21.4
θ (15°)	-26	-8.93	-3.7	-1.54	-0.89	-1.13	-1.64	-2.01	-2.47	-3.57	-5.71	-9.78	-19.3	-16.9	-8.67	-4.76	-2.32	-0.65	0.38	[0.80]	0.51	-0.79	-3.42	-7.68	-26
θ (30°)	-29	-9.15	-3.14	-0.29	0.69	0.27	-0.95	-2	-2.48	-3.27	-5.23	-9.08	-17.2	-17.6	-9.59	-6.16	-4.11	-2.39	-0.94	-0.08	-0.02	-1	-3.42	-8.61	-29
θ (45°)	-19.3	-13.1	-6.38	-2.31	-0.49	-0.24	-1.15	-2.65	-3.78	-4.86	-7.1	-11.6	-22.1	-22.1	-16.2	-10.4	-5.43	-2.73	-1.3	-0.89	-1.66	-3.51	-6.81	-10.9	-19.3
θ (60°)	-13.2	-10.4	-12.6	-9.78	-4.53	-2.25	-1.5	-1.91	-3.05	-5.41	-10.8	-28	-15.6	-15.1	-19.8	-11.7	-7.66	-5.09	-4.7	-6.48	-7.86	-8.43	-11.5	-22.1	-13.2
θ (75°)	-14.1	-9.45	-9.46	-14.7	-10.3	-7.74	-8.17	-9.47	-8.69	-11.7	-13.3	-9.32	-10	-13	-12.2	-8.64	-8.44	-13.2	-14.9	-17.8	-23.2	-17.5	-13.3	-13.9	-14.1
θ (90°)	-21	-15.1	-9.09	-10.8	-29.6	-8.88	-5.25	-6.47	-12.7	-14.1	-10.5	-7.64	-7.07	-6.66	-6.09	-6.55	-4.41	-3.74	-6.42	-5.59	-4.77	-6.92	-10.5	-13.1	-21
θ (105°)	-15.6	-20.2	-12.2	-9.02	-12.8	-18.6	-9.87	-7.63	-8.51	-10.7	-14.9	-23.3	-21.3	-13.5	-6.01	-2.65	-3.77	-5.17	-4.75	-4.79	-4.1	-6.53	-13.7	-17.3	-15.6
θ (120°)	-11.3	-9.55	-7.73	-4.81	-3.24	-4.44	-8.24	-12.4	-14.4	-15.6	-15.4	-16	-16.2	-11.4	-6.74	-3.93	-3.11	-5.7	-7.3	-3.4	-2.66	-5.3	-10.9	-15.1	-11.3
θ (135°)	-14.4	-11.5	-10.1	-6.33	-2.35	-0.45	-0.66	-2.26	-3.92	-5.29	-7.26	-9.1	-6.81	-3.69	-2.28	-2.55	-3.13	-2.16	-1.15	-1.41	-2.9	-5.63	-10.3	-16	-14.4
θ (150°)	-14.5	-10.3	-6.58	-4.16	-2.7	-1.91	-1.44	-1.4	-1.97	-3.49	-6.47	-12.7	-24.6	-9.15	-3.71	-1.06	-0.38	-1.05	-1.63	-1.48	-1.82	-3.35	-6.38	-11.5	-14.5
θ (165°)	-7.81	-8.92	-11	-12.9	-10.6	-7.15	-4.77	-3.34	-2.76	-3.03	-4.17	-6.21	-8.07	-8.65	-8.82	-8.98	-6.91	-3.67	-1.37	-0.41	-0.68	-2.05	-4.28	-6.18	-7.81
θ (180°)	-21.9	-15.6	-10.6	-7.76	-5.85	-4.7	-4.14	-4.06	-4.53	-5.9	-8.56	-13.2	-20.2	-14.1	-9.18	-6.45	-4.94	-4.26	-4.23	-4.65	-5.56	-7.29	-10.3	-15.5	-21.9
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°)	-0.31	-0.54	-1.41	-3.15	-6.24	-12	-28.9	-12.7	-7.07	-4.12	-2.25	-1.1	-0.53	-0.6	-1.37	-2.92	-5.63	-10.1	-15.5	-11.1	-6.36	-3.52	-1.74	-0.73	-0.31
θ (15°)	[2.75]	2.18	0.55	-2.37	-6.92	-13	-15.8	-12.4	-8	-4.56	-2.27	-0.95	-0.41	-0.56	-1.48	-3.24	-6.2	-11.7	-27.8	-10.6	-4.35	-0.88	1.24	2.25	2.75
θ (30°)	2.36	1.89	0.39	-2.6	-7.19	-10.3	-10.5	-12.5	-11.3	-6.5	-3.28	-1.38	-0.35	-0.03	-0.41	-1.42	-3.07	-5.69	-10.9	-21.8	-8.12	-2.51	0.37	1.82	2.36
θ (45°)	1.89	1.85	0.56	-2.57	-8.12	-13.1	-12.9	-12.5	-9	-4.81	-1.96	-0.15	0.71	0.66	0.08	-0.71	-2.36	-5.37	-10	-13.7	-7.78	-3.41	-0.69	0.77	1.89
θ (60°)	1.23	0.6	-1.3	-6.04	-14.9	-10.6	-11.8	-14.7	-7.81	-3.19	-1.21	-0.72	-1.05	-0.83	0.55	0.67	-1.27	-4.46	-9.14	-13.1	-9.02	-3.62	-0.48	0.99	1.23
θ (75°)	0.25	0.22	-0.5	-3.41	-12.2	-16.9	-14.7	-21.2	-7.5	-3.06	-2.17	-2.05	-0.62	0.74	0.71	-0.09	-2.53	-7.76	-9.37	-6.41	-3.85	-1.92	-0.7	-0.07	0.25
θ (90°)	-1	-1.1	-1.81	-3.39	-7.84	-21.5	-16.4	-14	-12.7	-4.19	-1.05	-0.41	-0.4	0.53	1.47	-0.26	-5.66	-8.73	-7.97	-5.16	-2.66	-1.78	-1.81	-1.58	-1
θ (105°)	-4.56	-3.55	-2.15	-2.19	-3.39	-8.33	-13.8	-9.86	-6.54	-4.6	-3.27	-1.13	0.79	0.84	-1.18	-3.65	-8.5	-17.3	-10.6	-4.82	-3.54	-3.53	-3.46	-3.69	-4.56
θ (120°)	-2.98	-4.54	-3.68	-4.75	-8.74	-10.7	-14.3	-7.48	-4.22	-2.7	-2	-1.33	-0.41	0.14	-0.94	-5.96	-14.4	-17.1	-13.7	-9.87	-7.38	-2.32	-0.22	-0.41	-2.98
θ (135°)	-3.26	-6.2	-5.37	-5.35	-8.65	-10.3	-13.2	-10.2	-5.4	-3.07	-1.21	0	-0.13	-1.99	-4.45	-6.41	-12.9	-19.7	-15.8	-15.7	-4.72	-0.89	0.18	-0.33	-3.26
θ (150°)	-3.19	-4.19	-4.63	-5.82	-10.3	-25.1	-15.6	-14.4	-18.3	-13.3	-7.28	-3.71	-1.73	-1.08	-2.1	-6.14	-16.2	-11.6	-11.9	-26.1	-8.76	-3.81	-2.15	-2.1	-3.19
θ (165°)	-3.42	-6.18	-9.37	-12.5	-16.4	-26.3	-25.4	-16.8	-12.6	-9.7	-8.01	-7.59	-9.06	-13.9	-28.2	-13.3	-9.69	-10.3	-14.1	-11.5	-5.83	-2.72	-1.5	-1.63	-3.42
θ (180°)	-5.04	-5.35	-6.23	-7.85	-10.5	-15.2	-24.9	-16.7	-10.5	-6.95	-4.75	-3.36	-2.67	-2.67	-3.42	-4.97	-7.61	-11.7	-19.2	-20.5	-12.7	-8.78	-6.58	-5.5	-5.04

Ant.	No.4																								
Freq (MHz)	5200																								
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°)	-22.5	-17.7	-13	-9.4	-7.58	-6.79	-6.15	-6.32	-7.3	-8.6	-11	-13.6	-19.8	-17.2	-12.6	-9.58	-7.82	-7.01	-6.32	-5.8	-7.29	-8.89	-10.8	-16.9	-22.5
θ (15°)	-8.64	-10.2	-10.9	-7.92	-4.31	-3.62	-4.58	-6.99	-9.85	-13	-15.5	-16.9	-32.4	-18.4	-13.4	-12.3	-11.1	-9.36	-8.64	-8.01	-7.99	-8.83	-8.04	-8.02	-8.64
θ (30°)	-5.85	-7.48	-6.77	-7.21	-6.32	-5.05	-4.95	-7.67	-10.8	-10	-7.35	-6.73	-7.53	-7.88	-10.5	-9.96	-6.59	-3.61	-2.4	-2.06	-3.04	-4	-4.29	-4.9	-5.85
θ (45°)	-3.4	-4.22	-13	-10.2	-19.6	-14.1	-10.4	-9.56	-9.17	-6.34	-2.82	-2.66	-6.84	-3.12	-2.46	-5.33	-6.35	-4.03	-3.6	-3.46	-6.93	-14.9	-10.8	-7.43	-3.4
θ (60°)	-4.16	-7.1	-11.1	-15.4	-11.6	-9.42	-7.83	-9.9	-6.96	-11.8	-6.73	-6.89	-9.97	-8.17	-1.17	-3.07	-4.08	-2.01	-2.94	-3.99	-5.06	-4.72	-10.2	-6.76	-4.16
θ (75°)	-12.4	-5.65	-3.95	-4.79	-11.2	-13.6	-4.39	-7.77	-22	-15.4	-1.28	-0.83	-4.75	-2.17	-2.33	-3.05	-0.88	-4.52	-5.51	-6.71	-5.87	-4.92	-7.99	-11.3	-12.4
θ (90°)	-0.14	2.5	-4.44	-2.26	-6.22	-11.7	-19.4	-9.7	-4.73	-6.28	0.59	[2.73]	-0.33	1.5	-1.27	-5.13	-4.08	-7.49	-8.44	-8.16	-5.33	-9.41	-1.32	-2.72	-0.14
θ (105°)	-4.34	-9.4	-2.9	-2.91	-1.33	-6.03	-8.53	-9.38	-7.3	-8.34	-4.94	-0.62	-1.03	-3.4	-2.1	-3.11	-6.3	-7.55	-2.75	-7.9	-0.8	-5.29	-4.84	-18.2	-4.34
θ (120°)	-10.7	-4.81	-5.69	0.14	-1.66	-4.36	-3.34	-4.02	-5.84	-4.08	-11	-31.8	-13.4	-5.51	-6.23	-6.4	-12.3	-12.9	-9.78	-14	-10.7	-8.23	-10.1	-11.9	-10.7
θ (135°)	-9.03	-17.9	-15.4	-15.5	-8.89	-5.85	-8.89	-8.68	-4.17	-1.88	-4.92	-13.9	-14.4	-20.7	-8.67	-6.75	-3.51	-3.56	-3.53	-3.37	-4.51	-11.5	-10.1	-7.35	-9.03
θ (150°)	-5.24	-7.28	-16.3	-12.8	-5.54	-4.78	-7.03	-8.34	-5.25	-6.6	-16.8	-21	-22.9	-24.5	-13.3	-9.4	-9.07	-13.5	-21.5	-15.7	-11.6	-10.2	-10.6	-6.89	-5.24
θ (165°)	-9.75	-5.96	-4.21	-3.66	-4.87	-9.64	-27	-13.6	-8.36	-6.33	-5.54	-5.27	-5.37	-5.6	-6.42	-8.63	-13.1	-8.87	-7.06	-8.85	-8.77	-8.16	-12.4	-19	-9.75
θ (180°)	-12	-11.2	-11.2	-12.1	-12.3	-13.6	-15.3	-18.7	-23.6	-20.2	-19.2	-17.5	-13.2	-9.82	-8.06	-7.4	-7.8	-9.57	-12.5	-19.1	-35.5	-18.6	-14.6	-13.1	-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°)	-5.9	-5.98	-6.72	-8.25	-9.82	-14.2	-28.4	-19.9	-13.7	-10.4	-7.65	-6.76	-5.87	-5.74	-6.42	-7.76	-10.2	-14.3	-25.6	-23	-14.7	-9.92	-8.08	-6.82	-5.9
θ (15°)	-10.8	-6.94	-4.87	-5.31	-8.34	-16.3	-11.6	-7.91	-7.27	-7.79	-8.69	-9.79	-8.79	-8.79	-9.16	-9.34	-10.2	-12.4	-14	-20.9	-23	-18	-15.4	-14.1	-10.8
θ (30°)	-12.3	-8.95	-5.82	-6.26	-6.8	-10.8	-14.7	-7.65	-8.49	-11.9	-12.5	-10.3	-7.44	-7.13	-6.7	-6.94	-8.3	-12.8	-25.7	-13	-9.19	-8.59	-8.53	-10.2	-12.3
θ (45°)	-16.6	-18.4	-9.11	-11.2	-11.4	-8.19	-13	-14.8	-9.23	-8.26	-7.04	-5.86	-4.72	-5.36	-6.32	-10.2	-16.1	-16.8	-16.4	-15.8	-10.5	-11.9	-14.5	-17	-16.6
θ (60°)	-15.8	-13.1	-8.81	-7.74	-15	-5.53	-4.73	-5.7	-10.5	-4.91	-7.21	-7.73	-5.83	-4	-6.9	-5.8	-12.2	-24.9	-16.3	-20.9	-11.6	-4.36	-3.22	-5.18	-15.8
θ (75°)	-4.95	-3.8	-5.46	-2.19	-13.7	-29.8	-2.14	-4.76	-3.89	-2.51	-2.16	-3.54	-6.37	-4.31	-3.77	-5.96	-10.6	-11.4	-13.9	-6.53	-7.79	-5.35	0.02	-0.91	-4.95
θ (90°)	-7.22	-9.35	-17.1	-9.84	-8.56	-5.47	-4.23	-6.07	-6.91	-6.5	-3.34	-2.41	-1.95	-2.28	-9.29	-7.82	-4.98	-8.5	-12.5	-7.56	-7.02	-7.85	-10.7	-9.29	-7.22
θ (105°)	-5.57	-3.11	-7.26	-11.6	-15.2	-4.05	-5.07	-7.07	-13	-16.1	-6.61	-3.07	0.26	-6.96	-10.9	-11.1	-9.27	-6.31	-8.41	-11.1	-5.92	-9.17	-16.9	-11.8	-5.57
θ (120°)	-17.3	-9.13	-25.7	-9.69	-6.96	-1.35	-1.95	-4.24	-2.92	-7.42	-12.2	-4.44	-1.92	-2.45	-3.84	-1.85	-7.51	-8.92	-17	-4.93	-8.95	-2.54	-8.81	-26.4	-17.3
θ (135°)	-6.41	-4.83	-5.79	-4.38	-5.66	-3.72	[0.84]	0.15	-1.69	-4.76	-8.2	-9.73	-6.61	0.29	-0.17	-1.03	-2.98	-6.18	-6.44	-9.01	-9.29	-10.9	-11.7	-28.4	-6.41
θ (150°)	-8.4	-9.76	-11	-12.9	-7.28	-2.63	-1.99	-4.59	-8.18	-8.58	-10	-13.9	-9.66	-3.5	-3.38	-0.44	0.04	-3.63	-2.67	-12.6	-8.93	-9.54	-28.9	-13	-8.4
θ (165°)	-12.7	-13.1	-13.9	-11.3	-7.25	-4.98	-3.93	-3.51	-3.17	-13.9	-3.03	-3.5	-4.54	-5.19	-5.51	-7.35	-10.8	-8.36	-6.69	-10.2	-20.2	-33.4	-23.2	-14.2	-12.7
θ (180°)	-14.3	-15.4	-16.9	-16.5	-15.5	-17.2	-17.7	-13.5	-13.1	-15.1	-14.5	-15.9	-14.9	-14.5	-12.8	-11.2	-9.77	-9.06	-8.72	-8.33	-8.12	-9.26	-9.92	-11.7	-14.3

Ant.	No.4																								
Freq (MHz)	5300																								
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°)	-17.4	-19.4	-13	-9.74	-8.26	-6.66	-5.98	-5.87	-6.51	-7.73	-9.51	-13.7	-17.4	-21.3	-14.9	-10.7	-8.35	-6.7	-6.16	-6.69	-7.16	-8.3	-10.6	-13.3	-17.4
θ (15°)	-9.19	-10.6	-10.4	-6.1	-4.08	-3.55	-4.35	-6.54	-9.83	-11.5	-13	-16.1	-18.2	-34.7	-16.1	-11.4	-9.72	-8.14	-6.86	-6.72	-7.41	-7.14	-7.56	-8.13	-9.19
θ (30°)	-8.62	-7.99	-5.98	-6.82	-4.77	-3.64	-4.8	-8.9	-10.9	-7.89	-6.72	-6.14	-7.08	-7.84	-8.91	-11.7	-8.47	-4.07	-2.81	-3.06	-3.61	-3.83	-4.94	-6.34	-8.62
θ (45°)	-4.98	-7.17	-9.96	-12.8	-10.7	-10.9	-13.2	-12	-9.85	-8.08	-4.32	-3.27	-6.18	-6.51	-2.84	-4.4	-4.85	-2.2	-3.03	-2.69	-3.99	-8.51	-10.3	-8.75	-4.98
θ (60°)	-4.61	-8.3	-12	-14.6	-15.5	-12.1	-8.25	-10.4	-6.74	-17.7	-7.84	-6.09	-7.76	-8.32	-1.06	-2.95	-4.62	-2.25	-2.46	-2.97	-3.62	-5.09	-7.64	-4.74	-4.61
θ (75°)	-13.1	-5.83	-5.67	-5.67	-17.5	-7.19	-4.52	-4.86	-24.1	-14.3	-4.22	-4.15	-4.5	-5.47	-3.73	-1.23	-1.84	-4.42	-7.12	-7.18	-8.84	-5.63	-5.63	-8.33	-13.1
θ (90°)	-0.32	1.85	-6.46	-3.03	-9.26	-9.93	-14.9	-5.82	-5.67	-6.83	-0.71	[2.18]	-0.65	0.47	-1.8	-4.44	-3.11	-5.21	-6.57	-5.47	-5.26	-9.54	-1.92	-3.42	-0.32
θ (105°)	-4.61	-9.99	-2.63	-2.48	-1.84	-5.07	-9.84	-12.6	-10.3	-10.3	-5.94	-1.62	-1.44	-3.81	-2.21	-3.54	-8.1	-7.37	-3.16	-7.78	-1.66	-4.51	-7.9	-20.6	-4.61
θ (120°)	-10.7	-4.29	-3.25	0.7	-2.5	-5.2	-3.68	-5.17	-6.78	-5.08	-14.3	-25	-19.8	-8.91	-5.29	-6.32	-9.48	-11.3	-12.5	-10.8	-11.7	-7.24	-8.58	-13.7	-10.7
θ (135°)	-9.99	-16.1	-14.4	-12	-7.66	-7.52	-7.5	-8.03	-4.15	-1.93	-5.31	-16.1	-17.8	-24.4	-10.1	-7.61	-4.38	-4.13	-3.55	-2.88	-4.12	-9.74	-12.4	-8.49	-9.99
θ (150°)	-5.56	-9.29	-18.2	-9.68	-4.56	-4.72	-7.86	-7.09	-4.05	-6.76	-16.3	-19.3	-22.6	-22.8	-11.3	-8.31	-12.3	-14.8	-31.2	-21.3	-12.7	-10.6	-9.4	-5.56	-5.56
θ (165°)	-9	-5.07	-3.72	-4.29	-6.28	-11	-32.6	-14.2	-10.4	-7.83	-5.55	-4.62	-4.56	-5.37	-6.53	-9.16	-15.1	-10.7	-8.2	-9.56	-10.2	-10.1	-14.1	-30.3	-9
θ (180°)	-10.8	-10.5	-10.4	-11.2	-13.1	-13.7	-16.4	-20.6	-21.3	-17.2	-16.6	-16.4	-13.5	-10.1	-8.2	-7.76	-8.44	-10.3	-14.6	-24.4	-25.7	-16.2	-13.9	-12.6	-10.8
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°)	-5.83	-5.88	-6.68	-8.06	-11	-14.3	-18.3	-22.2	-14	-10.1	-8.49	-7.07	-6.59	-6.74	-6.98	-7.96	-9.86	-13.4	-20.6	-24.3	-14.7	-11.4	-8.42	-6.68	-5.83
θ (15°)	-6.51	-4.39	-3.89	-5.24	-10.1	-18.5	-10.9	-7.11	-6.59	-7.72	-8.7	-8.42	-8.67	-8.27	-7.8	-8.19	-8.75	-10.9	-15.8	-20	-22.1	-18.6	-14.1	-10.6	-6.51
θ (30°)	-9.97	-6.87	-5.56	-6.72	-7.96	-14.3	-10.4	-7.35	-11.4	-16.1	-13.4	-13.9	-12.9	-10.7	-9.01	-7.92	-7.32	-9.11	-17.1	-15.8	-8.98	-8.71	-9.84	-11.1	-9.97
θ (45°)	-19.4	-9.77	-7.47	-14.4	-10.2	-8.57	-13.1	-12.2	-13	-10.3	-8.17	-6.79	-4.92	-4.61	-6.36	-8.26	-11.1	-21.3	-11	-13.7	-10.2	-11.8	-20.4	-37.8	-19.4
θ (60°)	-18.9	-14.6	-12.6	-11.1	-9.69	-5.11	-4.73	-8.1	-8.69	-4.74	-6.58	-6.31	-3.82	-2.68	-5.39	-5.23	-11.7	-24.7	-19.6	-15.6	-15.1	-4.01	-3.01	-6.52	-18.9
θ (75°)	-3.97	-3.54	-4.73	-2.67	-21	-28.8	-2.31	-4.8	-3.18	-1.78	-1.51	-2.69	-4.47	-3.08	-3.69	-4.04	-11.8	-9.68	-10.3	-9.78	-6.97	-7.98	-0.71	-0.78	-3.97
θ (90°)	-12.2	-14.3	-31	-7.15	-8.73	-6.99	-5.62	-4.18	-6.82	-5.44	-3.28	-2.24	-4.1	-2.45	-10.2	-9.94	-4.52	-11.9	-11.2	-9.52	-8.34	-8.57	-8.91	-8.7	-12.2
θ (105°)	-4.62	-2.34	-7.98	-14.1	-10.4	-4.32	-4.97	-8.3	-13.2	-22.8	-6.46	-3.76	[0.76]	-5.23	-10.4	-12.9	-6.86	-6.5	-9.54	-14.5	-6.5	-7.05	-13.4	-10.8	-4.62
θ (120°)	-20.7	-9.98	-20.4	-9.17	-8.12	-1.01	-2.47	-4.55	-3.23	-6.42	-10.4	-4.65	-0.65	-2.74	-4.9	-1.89	-8.21	-9.41	-16.4	-5.32	-10.7	-3.65	-10.5	-23.3	-20.7
θ (135°)	-5.26	-5.25	-4.7	-4.85	-5.85	-2.41	0.08	0.21	-1.34	-4.63	-7.18	-6.82	-8.65	-1.11	-0.42	0.14	-4.12	-5.12	-6.96	-7.73	-8.55	-10	-12.6	-25.6	-5.26
θ (150°)	-7.39	-10.7	-10.4	-12.2	-5.73	-1.61	-1.44	-3.23	-6.66	-9.54	-12.6	-16	-12.4	-3.79	-2.22	-2.25	-0.33	-3.23	-2.48	-9.88	-7.08	-7.71	-19.2	-11.1	-7.39
θ (165°)	-13	-16.4	-15.2	-10.8	-7.32	-4.97	-4.2	-3.93	-2.79	-2.51	-3.09	-4.05	-4.89	-5.98	-7.81	-11.6	-9.07	-6.31	-9.09	-17.9	-27.4	-26.6	-14.3	-12.3	-13
θ (180°)	-16	-17.3	-16	-14.9	-15	-14.6	-14.4	-13.6	-12.4	-12.7	-14.4	-15.7	-16.8	-14.8	-12.7	-10.4	-9.3	-9.21	-9.14	-8.42	-8.46	-8.76	-10.6	-12.8	-16

Ant.	No.4																								
Freq (MHz)	5600																								
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°)	-10.4	-13.3	-15.6	-15.5	-14.5	-10.6	-9.08	-8.54	-8.27	-7.27	-7.09	-8.6	-10.5	-12.4	-14.1	-14	-12.2	-9.77	-8.47	-7.74	-7.08	-7.67	-8.54	-9.08	-10.4
θ (15°)	-8.56	-9.34	-11.6	-9.34	-5.49	-3.84	-4.6	-6.97	-8.77	-8.33	-7.5	-7.46	-7.54	-8.88	-11.6	-16.7	-22.9	-18.6	-15	-10.4	-9.04	-7.99	-7.82	-8.07	-8.56
θ (30°)	-6.73	-4.79	-6.44	-5.27	-5.12	-5.21	-9.09	-14.4	-17.4	-9.22	-4.52	-3.59	-5.74	-8.91	-6.43	-5.45	-5.88	-6.67	-7.49	-4.68	-3.95	-6.44	-11.1	-15.2	-6.73
θ (45°)	-5.08	-11.1	-7.27	-4.76	-9.32	-12.9	-12.5	-8.58	-6.36	-5.01	-2.55	-0.97	-2.33	-6.57	-4.69	-4.87	-6.83	-1.72	-0.57	-0.27	-1.43	-5.17	-9.54	-8.74	-5.08
θ (60°)	-3.55	-3.92	-7.33	-7.34	-17.2	-10.7	-21.3	-15.9	-8.66	-15.2	-9.75	-3.61	-3.6	-5.62	-1.4	1.25	-3.54	-1.54	0.15	-0.73	-2.92	-2.95	-2.21	-3.28	-3.55
θ (75°)	-19.4	-5.83	-7.04	-8.09	-13.2	-6.72	-1.2	-4.72	-31.6	-18.1	-5.61	-6.2	-6.05	-7.73	-2.47	-0.57	-1.08	-0.2	-4.81	-6.09	-4.26	-3.14	-3.18	-7.3	-19.4
θ (90°)	-2.35	-0.41	-3.23	-3.97	-7.72	-6.78	-1.52	-0.07	-1.11	-13.4	-3.84	0.82	-0.07	0.41	0.76	-0.6	-6.32	-1.21	-1.3	-1.67	-3	-5.35	-3.51	-4.84	-2.35
θ (105°)	-7.64	-8.33	-0.4	-0.35	-0.95	-10.3	-27.8	-25	-8.58	-11.4	-9.1	-1.54	-2.66	-1.52	-1.57	-5.42	-6.83	-7.27	-4.85	-4.65	-2.93	-5.83	-9.44	-14.7	-7.64
θ (120°)	-7.38	-2.13	-0.9	[1.49]	-3.81	-3.73	-5.25	-5.09	-5.86	-2.7	-7.21	-23.5	-12.4	-7.55	-4.97	-8.22	-3.32	-3.77	-17.9	-7.27	-15.6	-3.92	-6.43	-10.4	-7.38
θ (135°)	-10.2	-14.4	-9.46	-10.6	-9.19	-4.93	-1.14	-4.6	-3.22	-0.7	-3.03	-6.15	-18.2	-14.5	-8.17	-6.43	-6.21	-3.91	-3.93	-2.57	-3.62	-9.96	-12.1	-7.23	-10.2
θ (150°)	-6.87	-9.36	-16.2	-9.51	-5.88	-6.61	-4.95	-2.9	-3.47	-6	-11.5	-18.8	-25	-26.4	-13	-6.56	-13.8	-13.9	-30.8	-20.5	-14.4	-6.59	-6.03	-4.57	-6.87
θ (165°)	-4.92	-3.46	-4.67	-7.2	-9	-9.47	-10.3	-15.2	-17	-8.31	-5.06	-3.51	-3.2	-3.64	-4.05	-4.72	-8.83	-15.7	-8.72	-7.74	-10.6	-11	-20.9	-14.4	-4.92
θ (180°)	-10.4	-10.4	-10.3	-10.8	-14.2	-17.8	-20.8	-26.6	-20.2	-17	-15.8	-15.8	-12.8	-9.93	-8.36	-8.09	-9.24	-11.3	-17.2	-37.2	-17.5	-11.8	-10.2	-9.91	-10.4
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°)	-9.26	-8.65	-7.76	-7.45	-7.83	-8.86	-11.1	-14.2	-16.8	-15.7	-14.3	-11.8	-9.76	-8.99	-8.48	-8.39	-8.8	-11.3	-13.4	-16.2	-18.2	-16.8	-13.1	-10.1	-9.26
θ (15°)	-7.15	-7.04	-6.53	-5.72	-8.05	-12.7	-9.64	-9.7	-12.5	-12.5	-12.9	-12.5	-11.8	-9.59	-8.19	-7.69	-7.47	-8.09	-10.2	-15	-18.2	-13.9	-11.4	-10	-7.15
θ (30°)	-6.96	-6.15	-5.42	-7.06	-10.8	-13.2	-6.69	-8.7	-21	-18.8	-20.8	-18.5	-15.3	-15.7	-12.2	-10.6	-12	-9.92	-8.27	-15	-11.4	-8.05	-8.84	-8.46	-6.96
θ (45°)	-13.5	-7.32	-10	-13.7	-7.68	-17.5	-12.1	-11.4	-21.7	-15.8	-13.9	-14.6	-15.4	-7.78	-4.76	-8	-16.7	-16.6	-9.05	-6.32	-7.35	-9.98	-20.8	-46.5	-13.5
θ (60°)	-18.7	-10.6	-12.8	-18.2	-7.32	-6.76	-8.57	-13.2	-15.8	-13.3	-3.8	-2.64	-5.08	-2.91	-1.87	-5.48	-10.5	-11.1	-10.7	-9.68	-15.4	-7.52	-3.09	-6.86	-18.7
θ (75°)	-2.65	-3.71	-4.59	-5.85	-12.2	-10.3	-5.14	-4.15	-2.55	-3.8	-0.47	-2.57	-4.01	-2.67	-1.18	-2.88	-5.16	-11.6	-6.92	-8.73	-4.38	-19.1	-3.66	-1.61	-2.65
θ (90°)	-30.4	-13.9	-7.27	-2.48	-7.59	-6.58	-5.4	-3.98	-4.37	-3.93	-3.28	-3.39	-5.18	-4.96	-5.38	-8.15	-4.52	-16.4	-13.3	-6.77	-9.27	-9.2	-6.34	-9.37	-30.4
θ (105°)	-0.91	-1.75	-16.7	-14.9	-5.89	-2.74	-3.95	-7.83	-8.2	-18.9	-5.42	-2.7	-3.79	-2.25	-10.8	-14.3	-4.71	-7.12	-10.1	-33	-10.7	-12.5	-11.7	-7.86	-0.91
θ (120°)	-14.5	-7.53	-12.1	-16.1	-4.25	0.24	-0.54	-3.98	-2.96	-4.59	-9.74	-5.67	-2.61	-0.38	-1.45	-7	-10.4	-11.7	-16	-4.4	-15.2	-4.81	-17.6	-8.69	-14.5
θ (135°)	-6.43	-6	-3.58	-5.22	-6.12	-0.81	-1.15	-0.91	0.08	-2.3	-6.17	-5.39	-2.96	-1.78	-1.82	0	-7.28	-2.29	-5.88	-6.77	-7.45	-6.68	-10.5	-23.4	-6.43
θ (150°)	-6.71	-13.1	-9.57	-11.5	-2.12	0.38	1.41	-1.08	-7.15	-11	-12.5	-13.1	-13.6	-3.55	[1.63]	0.11	-0.06	-4.27	-1.64	-8.37	-4.49	-4.76	-12.1	-7.48	-6.71
θ (165°)	-19.7	-15.2	-8.12	-6.12	-5.51	-5.27	-5.4	-4.18	-3.21	-3.38	-5	-6.11	-5.33	-4.18	-4.55	-8.7	-12.3	-5.8	-6.26	-13.6	-28.6	-28	-14.6	-12.6	-19.7
θ (180°)	-18.2	-21.6	-19.4	-13.7	-10.2	-9.43	-10.8	-11.6	-11.4	-10.1	-11.9	-16.5	-17.9	-15.2	-10.6	-8.02	-7.3	-8.02	-8.68	-8.44	-7.98	-8.79	-12.1	-14.2	-18.2

Ant.	No.4																								
Freq (MHz)	5785																								
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	-6.91	-8.84	-12.4	-15.5	-19.8	-14.6	-11.3	-8.65	-6.92	-6.78	-6.05	-5.76	-6.23	-7.61	-10.2	-13.5	-16.9	-16.2	-14.4	-9.92	-7.09	-6.15	-6.23	-6
θ (15°)	-8.15	-9.38	-15.9	-15.1	-7.67	-5.87	-5.9	-8.21	-13.8	-16.1	-12.7	-9.5	-7.86	-7.06	-7.67	-10.5	-17.8	-21.9	-17.2	-11.9	-9.38	-7.53	-7.06	-7.33	-8.15
θ (30°)	-8.06	-8.82	-7.63	-6.45	-6.09	-5.08	-9.9	-13.3	-11.2	-9.08	-6.33	-5.99	-9.94	-11.2	-7.23	-7.48	-9.12	-6.68	-6.97	-10	-8.41	-11.5	-19.3	-19.7	-8.06
θ (45°)	-7.62	-9.57	-7.92	-5.12	-9.74	-11.9	-12.5	-6.43	-5.98	-7.14	-1.55	0.42	-1.07	-4.16	-5.13	-6.32	-6.1	-2.06	-1.12	-0.99	-1.75	-5.74	-9.14	-10.3	-7.62
θ (60°)	-1.91	-3.28	-4.74	-8.88	-9.69	-9.09	-13.6	-15	-15.8	-9.47	-10.6	-2.92	-5.35	-6.76	-1.51	0.77	-1.79	-2.36	-0.84	-0.73	-2.93	-5.87	-2.99	-4.21	-1.91
θ (75°)	-8.34	-6.86	-11.6	-9.07	-22.6	-5.02	-1.42	-4.4	-17.7	-6.54	-2.8	-2.01	-8.64	-2.15	-3.21	-0.48	-0.82	0.43	-1.8	-4.65	-4.13	-2.52	-2.84	-8.01	-8.34
θ (90°)	-3.08	-0.63	-3.79	-5.26	-7.15	-3.36	1.68	0.73	1.85	-12.6	-8.45	1.97	-0.68	2.22	[2.74]	1.09	-1.98	0.75	1.93	-2.7	-2.68	-4.4	-4.61	-7.76	-3.08
θ (105°)	-5.48	-7.88	-0.11	0.24	-1.7	-14.3	-5.51	-6.16	-3.59	-14.1	-9.07	-0.46	-0.82	-0.66	-3.11	-2.73	-11.9	-9.13	-12.7	-3.33	-3.85	-6.55	-11.7	-10.5	-5.48
θ (120°)	-9.81	-2.25	-0.45	1.38	-2.26	-4.55	-9.83	-5.15	-9.64	-3.55	-10.9	-9.8	-9.97	-3.83	-1.83	-3.24	-2.66	-3.67	-11.3	-6.07	-15.6	-3.76	-5.54	-10.4	-9.81
θ (135°)	-8.97	-9.32	-7.37	-10.1	-6.07	-2.9	-1.01	-2.71	-1.82	0.41	-2.7	-5.45	-13.3	-15	-7.95	-8.78	-10.1	-3.65	-6.13	-2.3	-2.29	-9.62	-11.3	-7.08	-8.97
θ (150°)	-6.53	-7.65	-26.1	-5.72	-2.83	-4.09	-4.43	-2.9	-1.84	-3.17	-8.76	-16.1	-14.7	-12.6	-28.8	-8.88	-13.4	-10.5	-21.7	-14.9	-14.8	-6	-6.54	-5.56	-6.53
θ (165°)	-4.17	-3.37	-5.26	-7.2	-6.32	-6.59	-9.1	-17.3	-15	-6.62	-4.96	-5.14	-5.21	-5.58	-5.14	-4.56	-6.5	-13.8	-7.98	-6.78	-8.14	-10.4	-22.9	-12.7	-4.17
θ (180°)	-9.9	-10.5	-10.4	-12.2	-15.5	-20.1	-21.8	-17.7	-15.1	-14.9	-14.4	-14.5	-12.9	-10.4	-9.38	-10.1	-12.1	-14.8	-25.7	-20.2	-14	-10	-8.64	-8.33	-9.9
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°)	-14.1	-10.4	-8.52	-6.56	-6.21	-6.09	-5.78	-6.7	-8.49	-10.9	-14.3	-18.4	-16.5	-12.6	-9.29	-7	-5.53	-5.18	-5.67	-6.61	-8.31	-11.9	-17.1	-25.7	-14.1
θ (15°)	-13.6	-12.5	-8.02	-7.27	-10.2	-12.9	-19.8	-20	-24.5	-27.4	-18.6	-15.8	-15.6	-12.4	-8.37	-6.15	-7.12	-8.03	-7.28	-7.91	-8.18	-8.74	-9.13	-9.7	-13.6
θ (30°)	-9.42	-6.15	-5.81	-8.1	-23.9	-7.74	-8.75	-12.4	-12.1	-10.9	-9.03	-10.4	-14.9	-21.5	-24	-12.7	-8.27	-13.7	-9.6	-8.89	-16.2	-15.6	-13	-11.5	-9.42
θ (45°)	-8.73	-6.55	-12.4	-7.26	-9.32	-18.9	-18.5	-7.67	-15.4	-18.3	-14.2	-12	-15.1	-18.5	-7.42	-9.18	-16.2	-19.5	-8.43	-4.62	-5.8	-10.7	-23.7	-31.7	-8.73
θ (60°)	-7.19	-4.52	-6.21	-12.3	-6.34	-10.5	-10.3	-13.7	-9.59	-5.27	-2.44	-3.93	-6.81	-5.17	-5.4	-4.81	-12.4	-13.5	-7.8	-10.2	-9.92	-12.3	-2.85	-6.81	-7.19
θ (75°)	-6.42	-7.21	-7.41	-8.66	-6.19	-15.8	-11.2	-5.27	-4.98	-3.83	-2.13	-4.36	-11.8	-3.85	-2.13	-4.53	-4.58	-11.2	-4.91	-10.4	-5.22	-9.44	-8.24	-2.52	-6.42
θ (90°)	-11.9	-9.35	-5.89	-1.14	-9.04	-8.72	-4.75	-4.17	-3.81	-3.09	-4.78	-2.73	-7.31	-7.16	-4.18	-5.99	-5.39	-11.8	-9.86	-7.49	-4.75	-9.46	-3.45	-7.51	-11.9
θ (105°)	0.29	-1.8	-21.3	-10.7	-5.15	-2.25	-5.16	-4.07	-5.66	-26.2	-6.22	-3.9	-4.08	-1.64	-18.7	-6.39	-5.67	-8.74	-15	-12.4	-15.8	-14.3	-18.3	-6.51	0.29
θ (120°)	-9.55	-6.7	-10.1	-14.9	-1.96	0.93	-1.39	-3.27	-3.44	-9.94	-17	-4.77	-3.94	-0.5	-1.56	-12.3	-9.33	-12.8	-17.4	-4.25	-12	-3.49	-16.2	-6.3	-9.55
θ (135°)	-9.11	-7.66	-3.21	-2.81	-3.74	1.03	-1.53	-1.22	0.82	-1.77	-5.1	-5.24	-2.63	-1.88	0.41	-1.03	-12.4	-2.92	-6.89	-5.65	-13.9	-8.54	-9.21	-15.5	-9.11
θ (150°)	-6.32	-13.4	-9.31	-6.92	-0.66	1.8	[2.65]	-0.23	-5.44	-7.79	-8.86	-9.2	-10.8	-6.69	1.64	1.58	1.19	-5.5	-2.09	-8.14	-5.31	-5.92	-11.8	-5.15	-6.32
θ (165°)	-25.6	-11.6	-6.68	-6.08	-7.32	-8.45	-8.47	-5.76	-4.42	-5.28	-6.94	-9.23	-8	-4.47	-3.48	-6.32	-15	-6.55	-6	-13.3	-33.5	-19.2	-13	-12.6	-25.6
θ (180°)	-18.8	-18.5	-16.8	-11.7	-9.06	-7.89	-8.81	-10.3	-9.93	-12.2	-15.1	-19.7	-20.9	-18.7	-12.2	-9.01	-8.42	-8.71	-9.42	-8.77	-9.69	-12.7	-15.5	-18.1	-18.8

Directional Gain@1SS:

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°)	-0.48	0.41	1.33	1.64	1.43	0.78	-0.21	-0.75	0.44	1.09	1.2	0.81	0	0.03	0.89	1.22	1.1	0.61	-0.26	-0.14	0.92	1.39	1.28	0.66	-0.48
θ (15°)	1.42	2.94	3.87	4.03	3.48	2.2	0.44	-0.21	0.7	1.35	1.2	0.24	-1.28	-1.11	-0.64	-0.64	-0.23	-0.1	0.58	1.79	2.49	2.72	2.57	2.14	1.42
θ (30°)	0.94	2.41	3.55	4.23	4.29	3.63	2.5	1.77	2.09	2.6	2.15	0.5	0.34	0.62	0.73	-0.25	-1.13	-1.54	0.83	2.67	3.06	2.44	1.81	1.44	0.94
θ (45°)	2.04	2.32	2.41	2.67	3.39	3.7	3.63	3.34	3	2.02	-0.13	-1.02	0.85	2.06	2.1	1.34	0.54	0.37	1.77	3.17	3.04	0.95	1.18	1.92	2.04
θ (60°)	3.83	3.97	3.22	2.37	2.59	3.75	4.86	[5.13]	4.06	1.8	-0.63	0.35	2.76	3.63	3.42	3.13	2.5	1.93	1.58	1.64	1.18	2.42	2.65	2.81	3.83
θ (75°)	4.7	4.84	3.79	1.8	2.04	3.22	4.12	3.99	2.56	0.44	0.27	2.03	2.7	2.71	2.91	3.2	3.11	2.61	1.83	0.15	1.77	3.43	4.65	4.58	4.7
θ (90°)	3.15	3	3.06	1.91	-0.13	1.09	2.42	3.09	2.11	1.67	1.6	2.67	2.62	2.24	1.72	1.12	1.56	2.91	2.66	1.54	1.33	4.21	4.98	4.26	3.15
θ (105°)	1.26	1.34	2.01	1.86	0.26	-1.44	-1.6	-0.13	0.54	0.79	0.84	-0.4	-0.51	0.55	1.79	2.62	2.15	1.82	2.4	1.36	0.56	1.13	1.39	1.24	1.26
θ (120°)	0.44	0.72	0.67	0.82	1.22	0.96	-0.2	-1.76	-3.31	-2.57	0.67	1.09	0.75	1.3	1.72	2.25	2.75	1.9	-0.47	0.18	1.15	-0.17	-0.5	-0.48	0.44
θ (135°)	0.1	-0.59	-1.37	-1.06	0.28	1.67	2.07	1.13	-0.34	1.08	1.71	1.47	1.74	2.03	1.88	1.39	1.08	1.14	0.64	1.19	2.83	3.46	2.41	1.02	0.1
θ (150°)	1.63	0.54	-0.09	-0.26	-0.09	0.41	0.92	1.41	1.63	1.55	1.02	-0.21	-1.88	-1.75	-1.77	-1.79	-2.08	-0.8	0.03	0.89	1.74	2.95	3.73	3.31	1.63
θ (165°)	1.46	0.64	-0.77	-2.37	-3.29	-3.56	-3.14	-1.88	-0.8	-0.18	0.26	-0.14	-1.2	-2.43	-3.43	-3.8	-3.12	-1.74	-0.51	0.09	0.13	0.26	1.09	1.52	1.46
θ (180°)	-5.51	-5.35	-5.28	-5.28	-5.4	-6.02	-6.84	-5.98	-4.75	-4.3	-4.48	-5.2	-6.12	-5.78	-5.29	-5.11	-5.44	-6.19	-6	-5.2	-4.3	-3.8	-3.94	-4.64	-5.51
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°)	0.12	0.66	1.44	1.79	1.64	0.88	-0.33	0.57	1.23	1.37	1.13	0.53	-0.4	-0.64	0.54	1.15	1.22	0.57	-0.22	0.59	1.27	1.54	1.46	1.05	0.12
θ (15°)	0.65	1.89	2.27	2.02	1.31	0.34	-0.04	0.25	0.26	0.38	0.75	0.79	0.69	1.38	1.83	1.66	0.8	-0.53	-1.5	0.56	1.96	2.62	2.57	1.94	0.65
θ (30°)	1.75	2.51	2.36	1.11	-0.53	-1.01	-0.29	-0.19	-0.66	-0.58	0.4	0.52	-0.22	0.63	1.74	2.41	2.35	1.13	-1.14	-1.91	0.6	2.38	2.87	2.39	1.75
θ (45°)	0.84	2.21	2.11	0.46	-2.32	-2.91	-1.04	-0.22	-0.42	-0.25	0.24	-0.63	-2.23	-1.22	1.5	3.05	[3.22]	2.16	0.4	-1.72	-0.37	1.89	2.47	1.55	0.84
θ (60°)	0.01	0.69	0.93	-0.41	-2.54	-2.55	-1.64	-1.19	-0.24	0.52	0.15	0.41	-0.6	-0.46	1.53	2.91	2.82	1.97	0.86	-2.24	-1	1.81	2.6	1.74	0.01
θ (75°)	0.25	-0.19	-0.2	-0.09	-1.71	-2.5	-2.25	-2.25	0	0.66	-0.37	0.05	0.8	1.24	1.8	2.14	1.42	0.26	-0.13	-0.9	-0.25	1.25	1.52	0.63	0.25
θ (90°)	-0.11	0.35	0.79	-0.36	-1.93	-4.16	-3.76	-2.91	-0.95	0.56	0.07	0.38	1.1	1.7	1.96	1.9	0.94	0.21	-0.59	0.2	0.57	1.96	0.13	-0.15	-0.11
θ (105°)	-1.44	-0.68	-0.41	-1.74	-3.29	-4.99	-5.38	-2.97	-0.93	-1.19	-2.29	-1.59	0.1	0.86	1.34	1.73	1.17	0.15	-1.36	-0.56	1.06	1.85	1.22	-0.91	-1.44
θ (120°)	-2.6	-2.27	-1.72	-2.51	-3.63	-5.09	-5.55	-3.38	-1.72	-1.24	-3.04	-2.59	-1.51	-0.57	0.43	0.41	-0.72	-1.11	-0.42	-2.75	0.59	2.41	1.67	-0.21	-2.6
θ (135°)	-3.15	-4.98	-3.98	-2.44	-2.71	-3.85	-4.56	-1.72	1.12	1.13	-0.97	-1.8	-1.99	-2.45	-2.28	-2	-4.1	-3.17	-1.53	-2.98	-0.41	2.27	1.77	0	-3.15
θ (150°)	-2.41	-3.58	-3.21	-0.97	-0.56	-1.62	-1.37	-0.3	-0.03	-0.68	-2.26	-3.86	-3.36	-2.42	-1.99	-2.55	-3.52	-1.74	-0.82	-2.31	-1.94	0.06	0.61	-0.45	-2.41
θ (165°)	-0.95	-1.49	-3.05	-5.71	-10	-11.4	-6.9	-3.77	-2.34	-2.11	-2.96	-4.69	-6.72	-7.73	-7.88	-5.63	-5.06	-5.79	-6.81	-6.32	-3.58	-2.24	-1.15	-0.99	-0.95
θ (180°)	-8.05	-7.37	-5.85	-4.88	-4.56	-4.77	-5.52	-5.23	-4.86	-4.71	-4.77	-5.08	-5.72	-5.04	-4.48	-3.97	-4.05	-4.63	-5.58	-5.94	-5.53	-5.65	-6.28	-7.13	-8.05

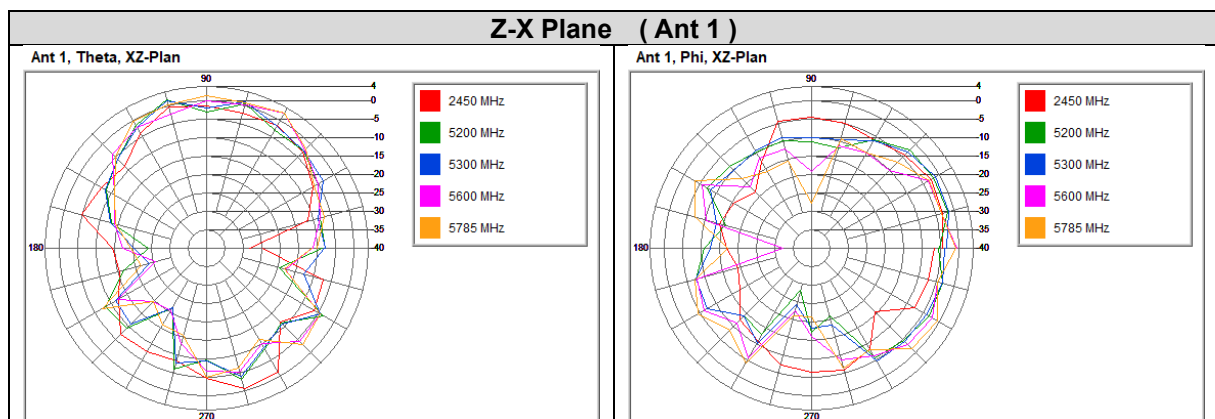
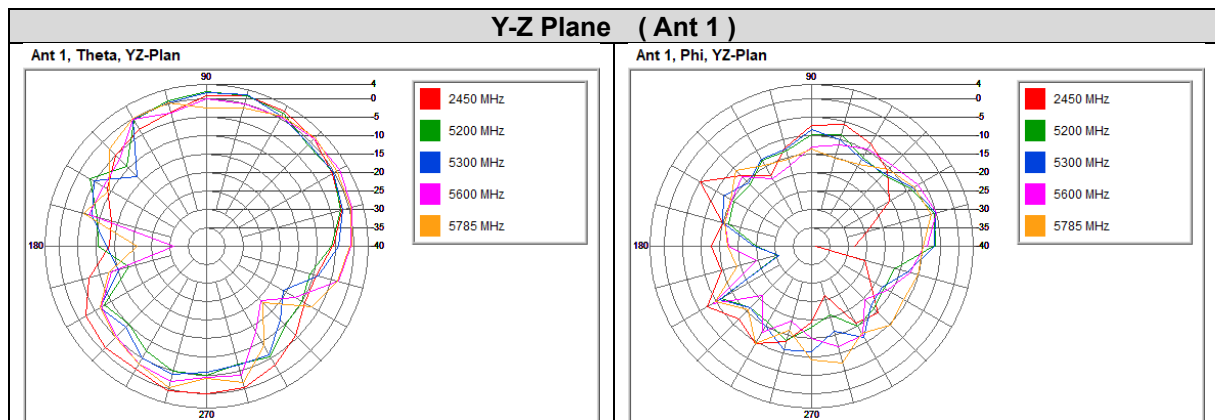
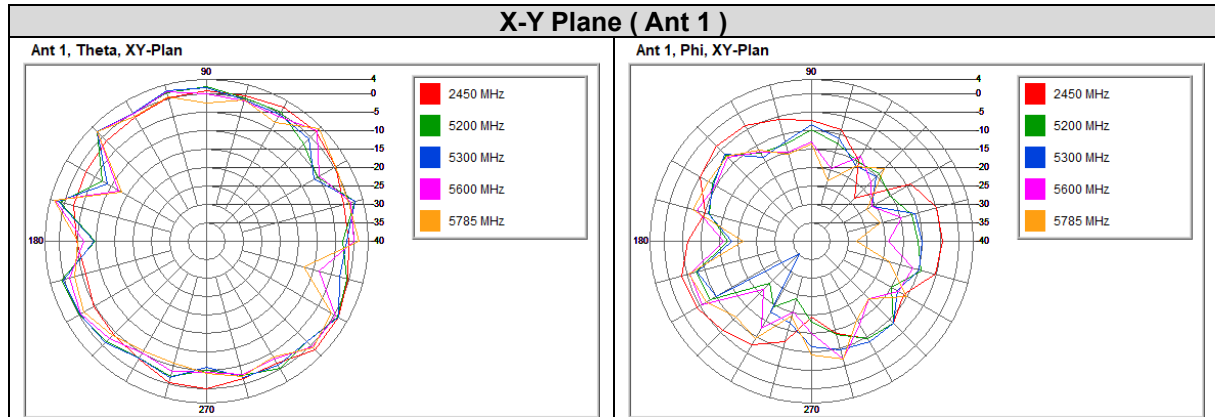
1SS																									
Freq. (MHz)	5200																								
Polarity	Theta																								
dB	ϕ (0°)	ϕ (15°)	ϕ (30°)	ϕ (45°)	ϕ (60°)	ϕ (75°)	ϕ (90°)	ϕ (105°)	ϕ (120°)	ϕ (135°)	ϕ (150°)	ϕ (165°)	ϕ (180°)	ϕ (195°)	ϕ (210°)	ϕ (225°)	ϕ (240°)	ϕ (255°)	ϕ (270°)	ϕ (285°)	ϕ (300°)	ϕ (315°)	ϕ (330°)	ϕ (345°)	ϕ (360°)
θ (0°)	-0.8	-1	-1.46	-1.82	-2.6	-4.05	-3.9	-2.09	-0.81	0.08	0.28	0.08	-0.62	-1.03	-1.64	-2.56	-3.5	-4.88	-4.06	-1.95	-0.88	-0.16	0.03	-0.43	-0.8
θ (15°)	0.1	0.34	0.41	1.12	1.96	1.28	-0.9	-2.84	-1.1	0.17	0.52	-0.03	-2.31	-2.92	-3.71	-5.42	-6.04	-4.62	-3.25	-1.76	-0.76	-0.63	-0.58	-0.5	0.1
θ (30°)	1.73	1.37	0.69	0.02	1.29	2.08	1.04	-2.94	-2.48	-0.42	1.49	2.17	1.06	-1.55	-5.67	-7.57	-5.55	-2.33	-1.3	-1.78	-1.06	-0.12	0.66	1.31	1.73
θ (45°)	3.42	2.87	0.3	-1.12	-1.57	-0.56	-1.96	-0.91	-0.89	-0.4	2.16	0.77	-3.32	-3.6	-3.77	-4.85	-5.3	-2.15	-1.04	-2.28	-1.59	-0.75	1.33	2.62	3.42
θ (60°)	3.17	2.68	0.84	-0.8	0.09	0.57	0.66	0.54	-0.39	0.09	0.16	0.98	-1.4	0.04	1.15	0.28	-1.62	-2.01	0.46	-0.14	-0.62	0.39	1.97	2.49	3.17
θ (75°)	4.32	3.95	0.14	1.73	1.33	0.46	2.2	0.86	-0.04	-2.3	2.5	3.77	3.17	3.5	1.88	2.68	0.56	-0.4	-1.44	0.78	0.33	0.76	4.02	3.68	4.32
θ (90°)	3.07	3.73	0.82	1.89	1.87	0.37	-0.01	-0.23	0.47	0.85	-1.92	[5.80]	3.61	4.54	2.37	2.19	1.4	-1.66	-1.18	-2.03	1.35	-0.56	3.34	3.45	3.07
θ (105°)	1.88	2.89	-2.06	0.4	2.5	1.18	-0.14	0.54	-0.02	-0.89	-3.09	1.85	3.04	1.29	0.05	1.49	1.43	-2.06	0.54	-0.43	2.77	1.26	1.95	-0.57	1.88
θ (120°)	-1.32	0.61	-0.76	0.85	2.31	0.2	0.44	1.3	-0.71	1.38	-5.6	-3.64	-3.3	-0.4	-2.2	-3.15	-0.38	1.22	-3.18	-2.36	-1.14	0.31	0.18	-0.13	-1.32
θ (135°)	-3.15	-3.21	-6.9	-8.58	-4.12	-3.37	-4.06	-2.77	-2.4	-0.14	-1.67	-2.67	-2.72	-5.03	-5.3	-0.52	1.71	1.18	-1.87	-0.83	-1	-3.38	-3.63	-3.45	-3.15
θ (150°)	-0.93	-1.09	-3.41	-4.77	-3.08	-2.67	-2.81	-3.8	-2.45	-1.71	-2.39	-0.69	-0.64	-2.32	-4.38	-2.6	-2.39	-5.33	-9.1	-7.01	-5.9	-4.91	-3.65	-2.25	-0.93
θ (165°)	-3.85	-2.84	-2.41	-2.68	-4.22	-7.87	-10.9	-9	-4.3	-0.48	0.68	0.12	-1.28	-3.02	-5.49	-7.47	-9.83	-9.13	-7.3	-6.46	-5.07	-4.21	-4.98	-5.57	-3.85
θ (180°)	-7.46	-6.59	-5.78	-5.6	-5.79	-6.55	-7.64	-9.38	-11.7	-12.7	-11.3	-9.86	-7.99	-5.88	-4.68	-4.17	-4.7	-6.1	-8.26	-12	-15.2	-10.9	-8.59	-7.84	-7.46
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°)	-2.63	-1.68	-0.56	0.09	0.36	0.09	-0.55	-0.7	-1.03	-1.83	-2.48	-3.34	-3.18	-1.62	-0.29	0.44	0.64	0.48	-0.34	-0.93	-1.26	-1.66	-2.3	-2.92	-2.63
θ (15°)	-1.81	-1.08	-1.12	-2.3	-3.89	-3.05	-0.29	0.66	-0.24	-1.26	-2.52	-3.84	-1.79	0.02	0.75	0.78	0.33	-0.63	-2	-3.38	-3.59	-3.05	-2.67	-2.42	-1.81
θ (30°)	-4.51	-2.56	-1.62	-2.75	-5.27	-5.78	-4.08	-1.91	-1.65	-2.31	-3.46	-4.35	-2.25	-1.07	-0.67	-0.22	0.48	-0.07	-2.76	-2.92	-1.74	-2.14	-2.68	-3.69	-4.51
θ (45°)	-4.3	-3.87	-2.65	-3.5	-4	-3.5	-5.43	-6.25	-4.27	-5.39	-3.4	-0.99	-1.7	-1.77	-2.03	-2.86	-1.76	-0.95	-1.99	-4.6	-1.94	-1.61	-2.27	-3.26	-4.3
θ (60°)	-6.24	-5.64	-4.23	-2.57	-3.19	-2.31	-1.43	-2.11	-5.8	-2.72	-1.42	-2.47	-4.22	-3.16	-3.32	-3.9	-3.93	-5.29	-3.64	-5.92	-4.99	-0.24	0.02	-2.02	-6.24
θ (75°)	-3.99	-4.89	-5.45	-0.34	-3.66	-2.6	[1.85]	-1.34	-1.34	1.41	0.43	-3.98	-4.54	-0.17	0.41	-2.35	-3.71	-4.02	-7.45	-3.02	-2.89	-2.37	0.24	-0.86	-3.99
θ (90°)	-5.78	-7.29	-10.5	-6.25	-4.69	-2.29	0.08	-0.48	-1.93	-2.43	-2.8	-2.47	-5.24	-0.18	-1.31	-1.74	-3.24	-3.41	-6.19	-4.52	-2.57	-2.75	-4.9	-6.55	-5.78
θ (105°)	-3.23	-3.25	-6.35	-7.92	-12.2	-3.95	-5.28	-6.44	-6	-6.14	-3.75	-3.14	-3.85	-3.58	-1.95	-1.58	-1.93	-1.18	-2.12	-4.12	-2.08	-4.63	-7.25	-8.45	-3.23
θ (120°)	-5.73	-3.71	-7.86	-7.99	-7.17	-3.22	-4.07	-4.34	-3.29	-4.51	-3.62	-1.52	-3.91	-2.66	-0.19	-0.77	-2.33	-2.36	-4.7	-4.04	-4.07	-1.18	-6.48	-5.73	-5.73
θ (135°)	-3.71	-3.16	-5.69	-3.26	-3.65	-3.69	-2.5	-1.64	-2.32	-4.77	-2.17	-2.4	-7.23	0.05	1.18	-0.22	-0.04	-0.73	-2.5	-4.97	-6.31	-5.15	-4.67	-7.53	-3.71
θ (150°)	-3.38	-2.45	-3.44	-8.75	-3.69	-1.56	-2.2	-3.52	-3.54	-2.33	-2.95	-3.74	-3.85	-1.81	-0.79	-0.99	0.29	-0.85	-0.9	-5.3	-4.97	-6.82	-9.85	-6.13	-3.38
θ (165°)	-8.56	-8.68	-7.66	-5.1	-4.08	-5.2	-5.76	-4.02	-1.62	-0.75	-1.11	-2.08	-3.5	-4.57	-5.89	-7.2	-6.94	-5.91	-7.95	-10.3	-10.2	-8.98	-8.65	-8.95	-8.56
θ (180°)	-8.62	-9.26	-9.85	-9.08	-8.66	-9.59	-10.2	-7.13	-5.49	-5.52	-5.15	-5.96	-7.27	-10.7	-13.1	-9.22	-7.1	-5.56	-4.78	-4.38	-4.56	-5.19	-5.55	-6.74	-8.62

1SS																										
Freq. (MHz)	5300																									
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°)	-0.96	-1.52	-1.34	-1.65	-2.59	-3.55	-3.43	-1.89	-0.81	-0.2	0.09	-0.35	-0.97	-1.84	-2.04	-2.22	-3.07	-4.16	-3.25	-1.64	-0.66	-0.3	-0.25	-0.37	-0.96	
θ (15°)	-1.05	-0.82	0	1.42	2.01	1.46	-0.64	-3.65	-1.67	0.43	1.11	0.47	-0.94	-3.45	-3.87	-4.41	-5.26	-4.55	-2.68	-1.23	-0.43	-0.15	-0.48	-0.95	-1.05	
θ (30°)	1.43	1.77	1.68	0.45	1.79	2.66	1.03	-3.6	-2.42	-0.56	1.37	2.19	0.89	-1.85	-5.29	-6.34	-5.03	-2.21	-2.09	-2.69	-0.43	0.49	0.32	0.85	1.43	
θ (45°)	3.1	2.42	1.11	-0.99	-0.71	0.77	-2.2	-2.39	-1.56	-1.12	1.79	0.22	-3.63	-5.72	-4.88	-4.33	-4.5	-1.54	-0.62	-2.37	-0.59	0.2	1.53	2.44	3.1	
θ (60°)	3.6	3.22	0.97	-0.56	-0.1	0.22	0.23	0.73	-1.05	-1.29	-0.28	0.77	-1.25	-0.31	1.35	0.54	-1.81	-1.52	0.55	0.05	-1.59	0.19	2.61	3.29	3.6	
θ (75°)	4.83	3.98	0.19	1.35	0.97	1.16	1.98	0.81	0.48	-1.03	1.14	3.2	3.16	2.87	1.74	3.08	0.72	-0.67	-1.59	0.59	-0.65	1.03	4.61	4.26	4.83	
θ (90°)	3.41	4.02	0.33	2.5	1.1	-0.05	0.4	0.7	0.33	0.89	-3.06	[6.02]	3.71	4.54	2.19	2.09	2.01	-0.76	-1.52	-0.76	0.83	-0.59	3.11	2.49	3.41	
θ (105°)	1.41	1.8	-1.74	0.52	0.74	0.76	-0.58	0.04	-0.27	-0.33	-3.86	2.01	2.85	0.98	0.14	1.34	1.51	-1.94	1.13	-0.65	2.17	0.96	1.38	-0.68	1.41	
θ (120°)	-0.73	0.84	0.62	1.14	2.07	-0.47	0.27	1.28	-0.9	1.39	-7.13	-1.96	-3.34	-1.16	-2	-3.03	0.13	0.87	-3.03	-1.43	-1.47	0.62	0.82	0.01	-0.73	
θ (135°)	-3.57	-3.32	-8.33	-10.7	-3.69	-3.38	-4.09	-2.79	-2.42	0.01	-2.29	-3.68	-4.01	-6.06	-5.04	-0.87	1.51	0.83	-1.94	-0.65	-1.25	-3.64	-4.4	-3.69	-3.57	
θ (150°)	-1.55	-1.93	-3.38	-4.29	-2.75	-2.44	-3.11	-3.64	-1.86	-1.36	-2.55	-1.1	-1.33	-3.12	-3.92	-2.26	-3.13	-5.59	-9.4	-7.64	-6.73	-4.43	-2.53	-1.39	-1.55	
θ (165°)	-3.53	-2.57	-2.51	-3.43	-5.18	-6.83	-9.55	-7.94	-4.1	-0.67	0.59	-0.01	-1.38	-2.99	-4.69	-6.5	-9.24	-9.55	-7.28	-6.22	-5.35	-4.66	-4.94	-6.08	-3.53	
θ (180°)	-7.01	-6.74	-5.88	-5.52	-6.39	-7.06	-8.28	-9.59	-10.5	-11.4	-11.8	-10.8	-8.71	-6.77	-5.38	-5.1	-5.53	-6.8	-9.01	-12.2	-12.9	-10.8	-8.82	-7.87	-7.01	
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°)	-2.2	-1.08	-0.31	0.15	0.26	0.13	-0.42	-1.06	-1.13	-1.36	-2.3	-3.27	-2.9	-1.59	-0.45	0.29	0.45	-0.03	-0.76	-1.27	-1.2	-1.58	-2.29	-2.92	-2.2	
θ (15°)	-0.38	0.33	0.08	-1.37	-3.54	-3.72	-0.73	0.93	0.71	-1	-2.86	-2.94	-1.07	0.47	1.43	1.55	0.79	-0.52	-2.04	-2.94	-3.7	-4.08	-3.95	-2.33	-0.38	
θ (30°)	-2.49	-1.66	-1.65	-3.06	-6.46	-8.89	-4.3	-2.14	-1.61	-1.83	-2.57	-4.94	-4.16	-2.24	-1.51	-0.01	1.52	0.91	-1.74	-2.24	-1.25	-1.76	-2.65	-3.39	-2.49	
θ (45°)	-3.58	-3	-2.94	-4.2	-4.66	-4.21	-5.59	-5.51	-3.88	-3.98	-4.55	-1.69	-1.22	-1.09	-1.77	-2.33	-1	-0.29	-1.11	-3.9	-1.58	-1.29	-3.31	-4.72	-3.58	
θ (60°)	-5.69	-6.31	-6.6	-3.17	-1.63	-1.9	-1.25	-2.76	-5.23	-2.72	-1.57	-2.55	-2.68	-2.44	-2.66	-3.17	-3.45	-5.39	-3.36	-5.14	-6.03	0	-0.23	-3.13	-5.69	
θ (75°)	-3	-4.18	-5.82	0.16	-4.16	-3.19	[1.77]	-1.14	-1.82	1.27	0.92	-3.43	-3.48	0.1	0.82	-0.72	-3.24	-3.06	-6.3	-5.48	-3.82	-4.87	-0.7	-1.39	-3	
θ (90°)	-7.77	-8.56	-13.6	-4.33	-4.36	-2.71	-0.23	0.31	-2.45	-2.37	-2.48	-2.11	-6.16	-0.33	-1.72	-2.44	-3.16	-3.9	-5.43	-4.62	-3.51	-3.41	-4.21	-5.57	-7.77	
θ (105°)	-2.17	-2.41	-5.48	-7.09	-8.46	-2.93	-4.53	-6.59	-5.06	-6.15	-3.61	-2.7	-3.08	-2.86	-2.52	-1.84	-2.62	-1.84	-2.21	-4.42	-2.13	-3.69	-5.89	-6.89	-2.17	
θ (120°)	-7.22	-4.06	-6.5	-6	-6.06	-2	-3.67	-3.85	-3.6	-4.51	-3.51	-1.74	-3.11	-2.19	-0.15	-0.97	-3	-2.71	-4.24	-3.72	-4.55	-2.35	-7.49	-6.01	-7.22	
θ (135°)	-3.62	-3.65	-4.69	-2.3	-2.44	-2.68	-2.79	-1.24	-1.57	-4.56	-2.21	-2.23	-8.51	-1.44	1.08	0.45	0.07	-0.13	-2.43	-4.34	-5.26	-4.79	-4.05	-6.89	-3.62	
θ (150°)	-2.85	-2.26	-2.73	-8.13	-2.63	-0.68	-1.1	-1.91	-2.78	-2.81	-3.29	-3.75	-4.14	-1.8	-0.34	-1.8	0.32	-0.42	-0.5	-4.22	-4.27	-6.4	-8.23	-4.71	-2.85	
θ (165°)	-7.69	-8.33	-7.11	-5.64	-4.68	-5.58	-5.82	-3.53	-1.04	-0.18	-0.53	-1.57	-3.23	-4.85	-6.21	-6.89	-6.95	-5.72	-7.52	-9.85	-9.04	-8.21	-7.33	-7.74	-7.69	
θ (180°)	-9.06	-9.45	-9.16	-8.62	-8.39	-8.85	-9.42	-7.51	-6.01	-5.49	-5.73	-6.47	-8.87	-11.2	-12	-9.66	-7.79	-6.39	-5.28	-4.69	-4.83	-5.1	-6.43	-7.63	-9.06	

1SS																											
Freq (MHz)	5600																										
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°)	-0.3	-0.46	-0.66	-0.9	-1.73	-2.56	-2.74	-1.2	-0.16	0.61	0.68	0.18	-0.25	-0.35	-0.35	-0.7	-1.46	-2.43	-2.92	-1.07	0.04	0.47	0.39	0	-0.3		
θ (15°)	-1.64	-1.66	-2.39	-1.59	0.87	2.03	1.24	-0.79	-0.57	1.22	2.22	1.96	0.86	-0.44	-1.07	-1.76	-2.5	-2.88	-3.3	-2.37	-2	-2.13	-2.46	-2.38	-1.64		
θ (30°)	1.66	2.28	1.52	0.65	0.11	1.45	1.48	-2.48	-4.28	-1.2	0.94	2.14	1.27	-1.41	-2.55	-1.01	-1.53	-2.72	-3.95	-2.2	-0.38	-0.9	-1.6	-0.87	1.66		
θ (45°)	1.78	0.5	0.38	0.2	-0.67	-0.49	-0.66	-2.28	-1.26	0.33	1.88	1.96	0.56	-2.96	-3.95	-3.52	-7.44	-3.65	-0.78	-0.9	1.61	1.25	0.31	0.49	1.78		
θ (60°)	5.12	4.53	-1.6	-0.85	-0.73	-0.35	-0.28	0.45	-0.67	-3.38	-2.81	0.1	-1.75	-1.31	1.15	2.74	-1.35	-0.95	0.67	-0.14	0.55	2.26	3.71	3.82	5.12		
θ (75°)	4.28	4.42	-0.45	2.24	0.04	-0.74	2.17	0.11	0.34	0.63	-0.47	3.54	1.87	1.56	1.9	2.56	2.07	0.23	-0.03	-1.9	1.44	3.02	4.2	3.39	4.28		
θ (90°)	3.58	3.5	1.58	4.1	1.16	0.03	2.6	3.47	2.05	0.14	-3.19	[5.57]	3.98	4.23	3.38	2.34	1.15	0.09	0.65	1.48	0.46	1.4	2.76	0.29	3.58		
θ (105°)	-1.4	-2.07	1.41	3.28	0.96	-1.46	-3.44	-1.35	0.8	0.42	-5.43	2.84	1.79	2.46	0.29	0.69	1.6	-4.02	1.66	-0.79	2.02	0.39	0.6	-0.85	-1.4		
θ (120°)	1.57	2.42	1.47	1.92	1.12	1.16	-0.16	2.04	0.37	2.58	-2.64	-0.63	-1.78	0.68	-0.78	-3.51	1.71	0.57	-1.62	-0.91	-2.37	0.11	0.56	-0.14	1.57		
θ (135°)	-1.91	-1.39	-1.67	-3.03	-2.86	-0.17	-0.09	-1.67	-0.95	1.5	-0.44	-2.52	-6.31	-5.93	-4.14	0.09	1.41	0.18	-1.17	-0.46	-1.73	-4.62	-5.38	-1.67	-1.91		
θ (150°)	-2.91	-3.09	-4.69	-6.56	-4.82	-3.48	-2.6	-2.09	-2.97	-1.38	-1.44	-0.82	-0.95	-2.64	-5.17	-2.43	-2.78	-6.52	-8.23	-6.29	-5.38	-4.11	-1.72	-1.13	-2.91		
θ (165°)	-2.15	-2.66	-4.44	-6.56	-7.22	-6.78	-6.28	-7.2	-4.52	-1.15	0.38	0.31	-0.96	-2.13	-2.95	-3.86	-5.95	-9.97	-8.08	-4.87	-4.83	-4.08	-4.72	-4.03	-2.15		
θ (180°)	-9.36	-9.05	-8.38	-8.04	-9.23	-10.3	-11.6	-13.4	-11.4	-10.3	-10.6	-12	-11.9	-9.24	-7.75	-7.37	-7.39	-8	-9.9	-12.3	-10.2	-8.25	-7.58	-8.14	-9.36		
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°)	-2.23	-0.95	0.13	0.58	0.6	0.49	0.18	-0.12	-0.59	-1.17	-2.12	-3.3	-2.69	-1.02	0.12	0.52	0.5	0	-0.55	-0.6	-0.74	-1.28	-1.92	-2.83	-2.23		
θ (15°)	-3.05	-2.01	-1.7	-2.13	-3.58	-3.42	-0.33	0.96	0.31	-1.58	-4.61	-4.3	-1.42	0.3	0.9	1.29	1.09	0.26	-0.18	-1.05	-2.7	-3.99	-4.44	-3.87	-3.05		
θ (30°)	-3.97	-3.25	-2.91	-3.73	-6.02	-9.25	-3.09	-0.74	-2.55	-2.61	-3.31	-5.25	-4.44	-2.75	-1.09	0.76	1.54	0.89	0.04	-1.71	-1.84	-1.3	-1.47	-2.57	-3.97		
θ (45°)	-5.46	-5.34	-6.14	-7.66	-7.44	-11.6	-5.37	-6.41	-3.85	-3.44	-5.18	-2.18	-2.85	-2.01	-2.08	-3.72	-1.59	0.7	-0.85	-1.51	-0.96	-2.05	-5.08	-7.66	-5.46		
θ (60°)	-5.31	-6.28	-8.95	-7.71	-2.27	-2.28	-1.2	-2.13	-4.7	-5.84	-1.02	-0.63	-2.82	-1.64	-0.44	-0.61	-3	-5.23	-0.8	-5.61	-5.31	-2.24	-1.64	-3.89	-5.31		
θ (75°)	-2.65	-5.02	-7.32	-1.6	-2.19	-2.12	1.73	-0.13	-0.55	0.45	0.73	-1.5	-1.5	0.43	[2.77]	0.89	-0.83	-4.99	-3.05	-6.77	-3.32	-9.21	-3.03	-2.92	-2.65		
θ (90°)	-13.1	-8.27	-6.96	-1.26	-2.23	-2.9	-0.55	-0.03	-0.64	-2.42	-1.66	-2.51	-6.04	-1.32	1.46	-0.78	-0.97	-4.79	-8.28	-2.52	-6.6	-4.16	-3.38	-7.23	-13.1		
θ (105°)	-1.37	-3.76	-7.46	-7.25	-4.24	-2.83	-3.56	-5.59	-3.15	-4.37	-2.74	-2.47	-5.35	-1.91	-2.52	-2.2	-2.8	-2.31	-3.31	-4.87	-4.17	-4.99	-5.46	-7.81	-1.37		
θ (120°)	-7.93	-6.37	-5.5	-5.66	-2.85	-1.11	-4.35	-4.63	-1.98	-2.6	-2.42	-0.91	-2.63	-0.95	0.82	-3.52	-4.1	-5.8	-2.81	-3.79	-6.2	-2.96	-7.71	-3.55	-7.93		
θ (135°)	-3.67	-4.33	-2.57	-1.47	-1.92	-1.35	-3.78	-1.39	0.35	-4.56	-2.53	-2.26	-2.77	-1.32	-0.05	0.01	-0.72	-0.31	-2.27	-3.46	-4.29	-4.68	-4.4	-6.07	-3.67		
θ (150°)	-2.5	-3.21	-3.5	-9.21	-1.78	-0.51	0.37	0.1	-2.23	-4	-4.21	-2.71	-3.27	-1.69	1.3	-1.09	0.87	0.41	0.44	-2.52	-3.73	-5.24	-4.86	-2.82	-2.5		
θ (165°)	-8.25	-6.72	-5.47	-5	-5.04	-5.5	-4.56	-2.53	-1.21	-0.85	-1.15	-1.44	-1.81	-2.31	-3.28	-5.22	-6.53	-4.37	-5.18	-7.94	-9.41	-9.09	-8.48	-8.74	-8.25		
θ (180°)	-11.1	-11.5	-10.2	-8.31	-6.37	-6.31	-7.72	-9.18	-8.36	-7.34	-8.26	-10.2	-10.4	-10.2	-8.63	-8.04	-8.77	-7.68	-6.7	-6.15	-5.97	-6.83	-8.65	-9.63	-11.1		

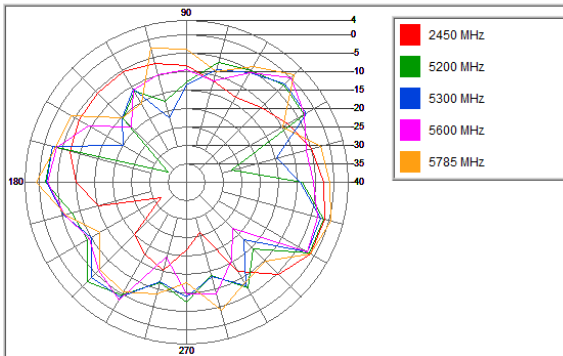
1SS																									
Freq (MHz)	5785																								
Polarity	Theta																								
		φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ	φ
dB	φ (0°)	(15°)	(30°)	(45°)	(60°)	(75°)	(90°)	(105°)	(120°)	(135°)	(150°)	(165°)	(180°)	(195°)	(210°)	(225°)	(240°)	(255°)	(270°)	(285°)	(300°)	(315°)	(330°)	(345°)	(360°)
θ (0°)	0.92	1.04	0.88	0.38	-0.64	-2.17	-3.07	-2.69	-1.03	-0.02	0.31	0.57	0.93	1.33	1.27	0.72	-0.41	-2.31	-4.06	-3.33	-1.52	-0.29	0.27	0.5	0.92
θ (15°)	-1.9	-1.7	-2.66	-2.01	0.23	0.8	0.26	-0.87	-1.49	-0.22	0.65	0.96	1.34	1.5	1.21	0.46	-1.17	-3.22	-5.16	-5.03	-4.23	-3.98	-3.69	-2.94	-1.9
θ (30°)	1.24	1.29	1.52	1.24	0.17	0.78	0.55	-2.4	-2.76	-1.58	-1.28	0.29	-0.69	-3.35	-3.14	-1.39	-2.76	-4.37	-4.9	-2.6	-1.56	-3.08	-3.06	-1.15	1.24
θ (45°)	2.08	0.44	-1.12	1.01	0.63	-1.85	0.02	-0.89	-0.8	-0.06	1.99	2.32	1.19	-1.13	-2.86	-4.08	-5.32	-3.38	-2.75	-0.09	2.06	0.99	1.67	2.04	2.08
θ (60°)	5.43	4.31	0.12	-0.15	2.03	1	1.08	0.98	-1.78	-0.6	-2.4	0.44	-2.66	-2	1.02	2.28	0.3	-0.72	1.07	-0.25	2.33	2.57	3.77	4.27	5.43
θ (75°)	4.34	3.82	-0.19	2.71	-0.66	0.85	1.82	1.54	0.78	3.11	0.9	3.88	1.4	1.82	0.04	1.77	2.73	1.46	2.06	-2.07	2.22	3.42	2.14	2.61	4.34
θ (90°)	4.6	3.81	1.7	4.73	0.85	1.3	3.91	4.28	2.59	0.22	-2.85	[5.67]	4.19	4.17	3.63	2.45	1.37	1.65	2.09	2.26	1.26	2.85	2.37	0.33	4.6
θ (105°)	-0.73	-1.9	2.9	3.75	2.73	-1.3	0.59	0.59	3.14	1.4	-4.99	2.9	1.57	2.42	0.59	1.26	0.11	-2.8	-0.01	0.31	2.9	1.34	0.04	-1.12	-0.73
θ (120°)	2.48	2.8	1.74	2.88	1.03	1.91	0.95	3.21	0.46	2.42	-1.99	0.37	-1.51	2.4	0.89	-0.51	3	0.28	-1.31	-0.12	-0.75	0.65	1.15	-0.75	2.48
θ (135°)	0.67	1.03	0.63	-0.63	-0.74	-0.03	1.06	-1.51	0.27	2.97	0.5	-2.19	-5.45	-8.12	-5.63	0.65	2.08	2.17	0.55	0.32	-0.37	-4.43	-3.84	0.85	0.67
θ (150°)	-3.09	-1.64	-3.53	-5.17	-3.25	-1.93	-1.51	-1.02	-1.8	0.05	0.05	0.89	1.45	0.37	-5.5	-3.45	-0.84	-1.71	-3.79	-4.18	-3.85	-2.34	-1.8	-2.82	-3.09
θ (165°)	-2.14	-3.79	-6.23	-5.82	-4.76	-4.99	-5.47	-6.37	-3.42	-0.25	0.56	-0.04	-1.27	-2.22	-2.26	-2.64	-4.13	-7.77	-7.39	-4.6	-3.4	-2.32	-3.49	-2.81	-2.14
θ (180°)	-6.73	-6.67	-6.57	-7.27	-8	-7.98	-7.93	-7.28	-6.8	-6.99	-6.96	-7.24	-7.06	-6.29	-5.7	-5.1	-5.19	-5.75	-7.67	-8.35	-7.23	-6.23	-6.12	-6.3	-6.73
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°)	-3.92	-2.56	-0.97	0	0.16	0.38	0.83	1.11	1.07	0.54	-0.64	-2.29	-3.62	-2.83	-1.16	-0.21	0.59	0.88	1.2	1.37	1.11	0.28	-1.01	-2.83	-3.92
θ (15°)	-6.27	-5.31	-3.56	-3.15	-4.52	-3.37	-1.79	0.16	0.5	-0.51	-2.3	-3.81	-3.18	-1.19	0.71	1.99	2.09	1.71	1.17	0.14	-1.02	-2.28	-2.78	-3.62	-6.27
θ (30°)	-3.97	-1.97	-1.48	-2.04	-4.68	-3.72	-4.89	-0.83	-0.95	-0.9	-1.2	-3.45	-3.36	-2.04	-1.28	0.61	1.58	0.9	1.09	0.75	-0.41	0.12	-0.06	-1.88	-3.97
θ (45°)	-3.48	-3.23	-5.98	-4.57	-6.91	-11.5	-4.8	-3.08	-3.95	-3.34	-4.69	-1.75	-1.84	-4.12	-4.29	-4.07	-0.47	0.57	-0.56	0.97	1.21	0.21	-3.01	-6.66	-3.48
θ (60°)	-2.86	-1.38	-2.18	-5.64	-2.69	-5.74	-2.15	-4.08	-2.56	-4.87	-0.22	0.33	-3.93	-3.16	-1.29	1.3	-2.56	-4.64	-0.1	-6.59	-3.08	-3.69	-3.51	-2.78	-2.86
θ (75°)	-3.66	-7.47	-6.3	-2.07	-2.09	-3.94	-0.25	-1.18	-2.56	-0.95	0.55	-1.86	-3.49	1.27	2.23	1.09	-0.13	-5.91	-0.29	-7.12	-4.65	-4.46	-3.22	-1.28	-3.66
θ (90°)	-10.7	-9.65	-6.34	0.68	-2.8	-2.9	0.29	-0.47	-0.74	-1.6	-2.15	-0.89	-8.1	-1.82	1.13	0.53	-1.51	-1.81	-3.85	-1.83	-5.34	-4.52	-1.87	-5.23	-10.7
θ (105°)	-2.03	-3.11	-7.38	-4.68	-3.68	-1.75	-3.95	-4.19	-1.62	-3.67	-2.99	-1.93	-4.9	-1.79	-3.84	-1.21	-3.13	-2.96	-4.31	-1.93	-6.04	-4.35	-7.31	-8.14	-2.03
θ (120°)	-6.39	-6.4	-4.63	-5.11	-1.7	-0.15	-4.69	-3.93	-1.31	-3.98	-3.23	-1.22	-1.04	-2.37	0.33	-6.05	-3.78	-6.43	-1.77	-3.38	-3.92	-2.52	-4.88	-2.03	-6.39
θ (135°)	-2.74	-2.61	-1.47	0.27	0.29	0.32	-2.35	-1.26	[2.57]	-2.12	-5.01	-3.44	-1.97	0.06	0.52	-1.55	-2.32	-2.14	-2.4	-2.72	-3.46	-5.72	-4.04	-2.72	-2.74
θ (150°)	-1.36	-3.04	-2.75	-4.32	-0.14	1.28	1.9	1.5	-0.43	-1.34	-2.03	-0.6	-0.4	-0.53	1.55	-0.35	1.93	0.5	0.1	-2.08	-3.55	-4.19	-2.67	-0.24	-1.36
θ (165°)	-7.92	-4.98	-4.6	-5.01	-5.23	-5.29	-4.19	-2.59	-1.29	-1.01	-0.93	-1.27	-1.12	-1.13	-2.56	-4.08	-7.6	-6.01	-4.5	-5.46	-6.69	-6.71	-6.69	-6.88	-7.92
θ (180°)	-7.11	-7.43	-7.28	-6.16	-5.29	-4.7	-5.83	-6.39	-5.7	-6.53	-7.06	-7.67	-7.59	-7.66	-7.64	-7.68	-8.12	-7.25	-6.08	-5.54	-5.39	-5.95	-6.69	-6.97	-7.11

A.2 Antenna Pattern Test Plots

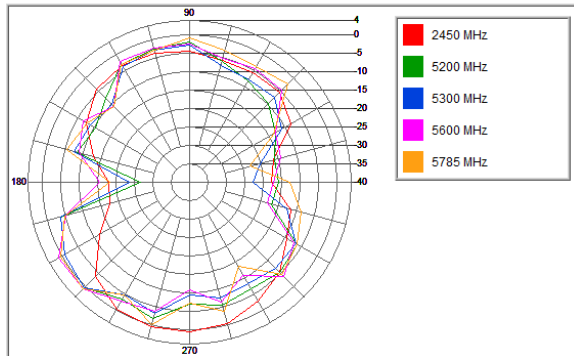


X-Y Plane (Ant 2)

Ant 2, Theta, XY-Plan

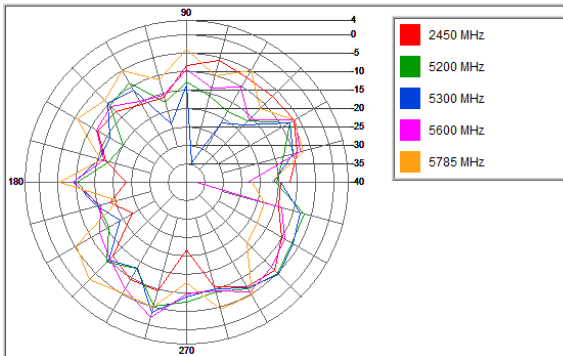


Ant 2, Phi, XY-Plan

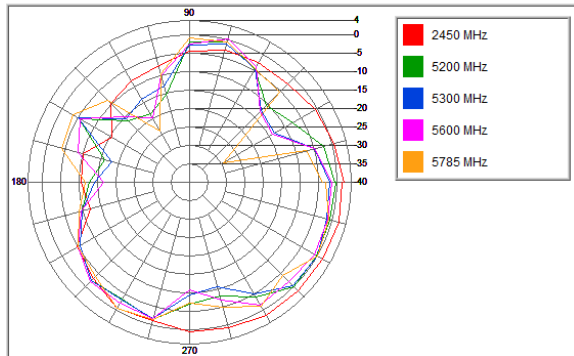


Y-Z Plane (Ant 2)

Ant 2, Theta, YZ-Plan

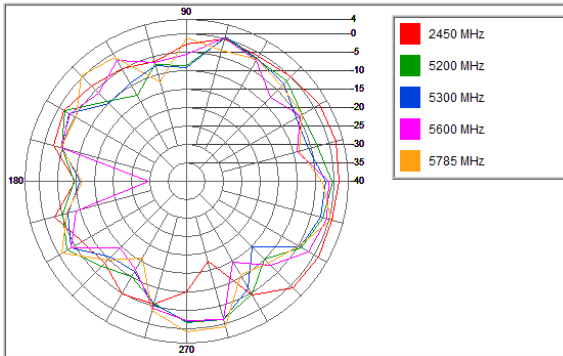


Ant 2, Phi, YZ-Plan

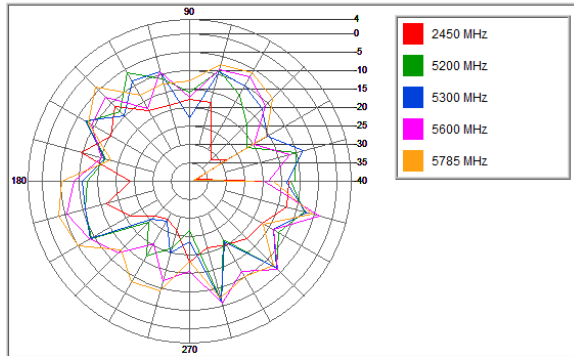


Z-X Plane (Ant 2)

Ant 2, Theta, XZ-Plan

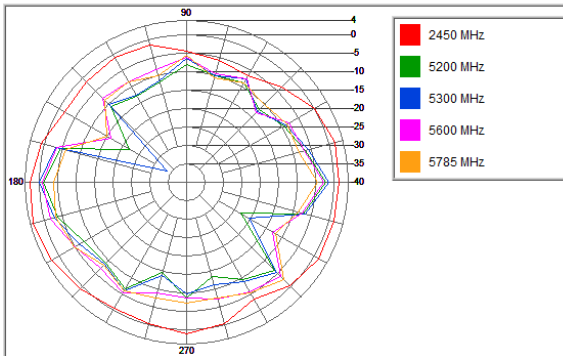


Ant 2, Phi, XZ-Plan

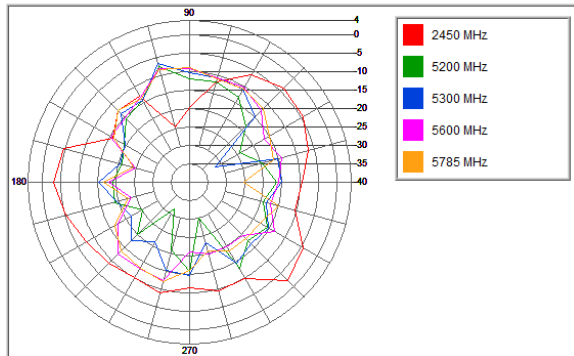


X-Y Plane (Ant 3)

Ant 3, Theta, XY-Plan

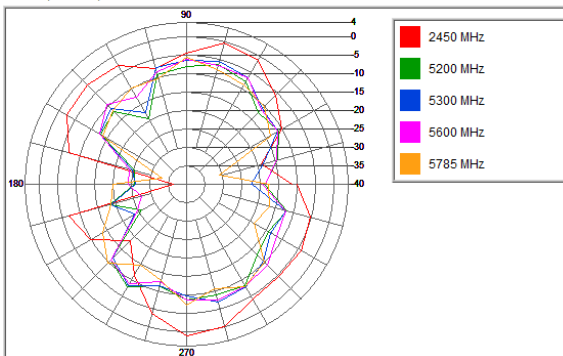


Ant 3, Phi, XY-Plan

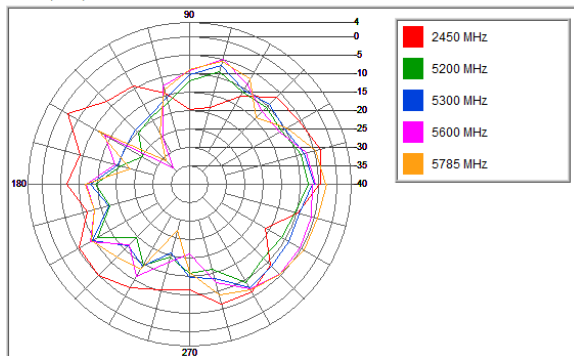


Y-Z Plane (Ant 3)

Ant 3, Theta, YZ-Plan

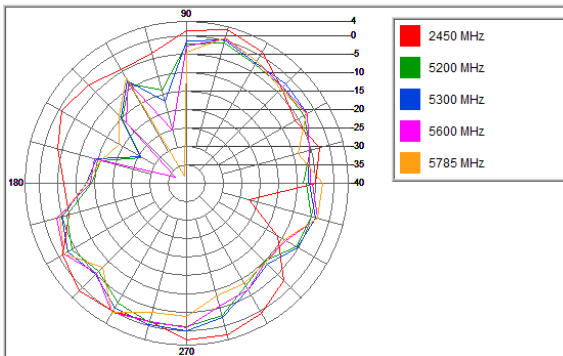


Ant 3, Phi, YZ-Plan

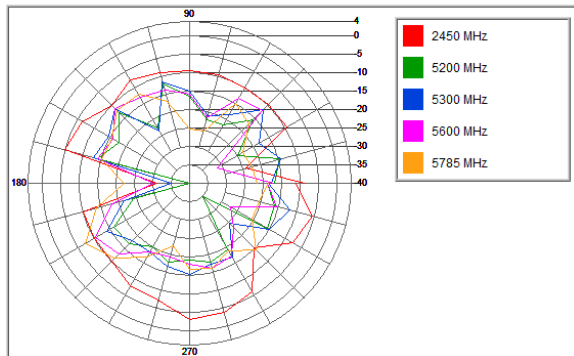


Z-X Plane (Ant 3)

Ant 3, Theta, XZ-Plan

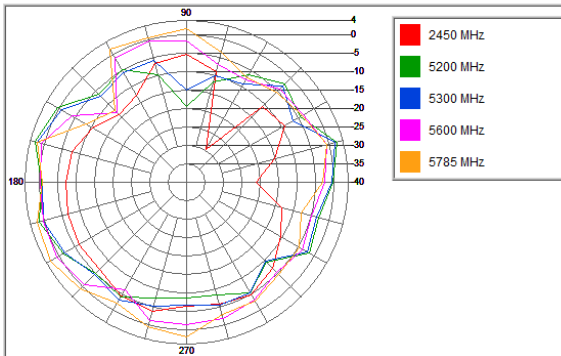


Ant 3, Phi, XZ-Plan

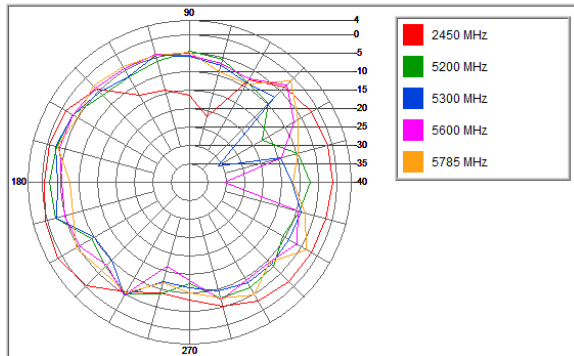


X-Y Plane (Ant 4)

Ant 4, Theta, XY-Plan

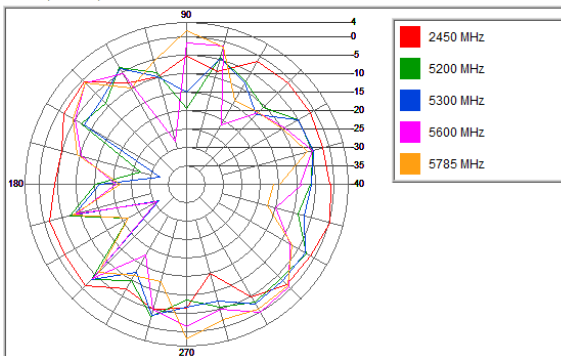


Ant 4, Phi, XY-Plan

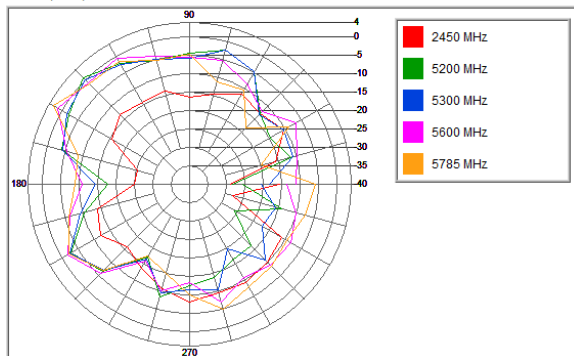


Y-Z Plane (Ant 4)

Ant 4, Theta, YZ-Plan

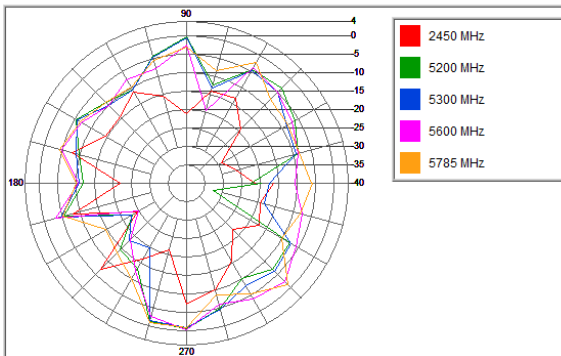


Ant 4, Phi, YZ-Plan

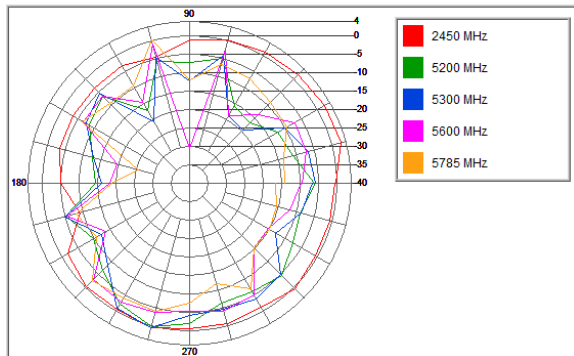


Z-X Plane (Ant 4)

Ant 4, Theta, XZ-Plan



Ant 4, Phi, XZ-Plan



APPENDIX B – Information of Test Setup and EUT antenna port photographs

B.1 Antenna Location (Configuration and RF Chains)

Please refer to the documents “ORBCMA-WTW-P25030795_Arcadyan_T-Mobile Wi-Fi Mesh V2 Access Point_Antenna measurement Report_APPENDIX”

B.2 Test Setup Diagram for EUT

Please refer to the documents “ORBCMA-WTW-P25030795_Arcadyan_T-Mobile Wi-Fi Mesh V2 Access Point_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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The address and road map of all our labs can be found in our web site also.

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