

CGW 453 WiFi Antenna

2026/07/30

WNC

Information

Model No.: CGW453

Received Date: 2026.7.21

Test Date: 2026.7.21

Issued Date: 2026.7.24

Applicant: WNC Corporation

Address: 20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan

Manufacturer: NEWEB VIETNAM CO.,LTD

Address: Land Lot CN01, Dong Van III Industrial Zone, Dong Van Ward, Ninh Binh Province, Vietnam

Lab Address: No.19, Hwa Ya 2nd Rd., Kwei shan Dist., Taoyuan City, Taiwan (R.O.C)

TAF Number: 2770 (OTA3-HY)

1. Operation Mode and Antenna Information

Frequency Range (GHz)	Brand Name	Model Name	Antenna Type	Connector Type	Antenna No.	RF Chain NO.
2.4~2.4835	WNC	48XKAC42	Dipole	ipex(MHF)	1	1
5.15~5.25						
5.25~5.35						
5.47~5.725						
5.725~5.85						
2.4~2.4835	WNC	48XKAC3F	Dipole	ipex(MHF)	2	2
5.15~5.25						
5.25~5.35						
5.47~5.725						
5.725~5.85						
2.4~2.4835	WNC	48XKAC45	Dipole	ipex(MHF)	3	3
5.15~5.25						
5.25~5.35						
5.47~5.725						
5.725~5.85						
2.4~2.4835	WNC	48XKAC46	Dipole	ipex(MHF)	4	4
5.15~5.25						
5.25~5.35						
5.47~5.725						
5.725~5.85						

2. Test Frequency

Band [MHz]	Test Frequency [MHz]
2400-2483.5	2400, 2450, 2500
5150-5250	5150,5200,5250
5250-5350	5250,5300,5350
5470-5725	5470,5600,5725
5725-5850	5725,5785,5850

3. Testing Location

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.

Reference Standard

ANSI 63.10-2013 clause 13

IEEE std. 149-2021

KDB 662911 D01

Lab Address: No.19, Hwa Ya 2nd Rd., Kwei shan Dist., Taoyuan City, Taiwan (R.O.C)

TAF Number: 2770 (OTA3-HY)

4. Test Facility and Configuration

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..

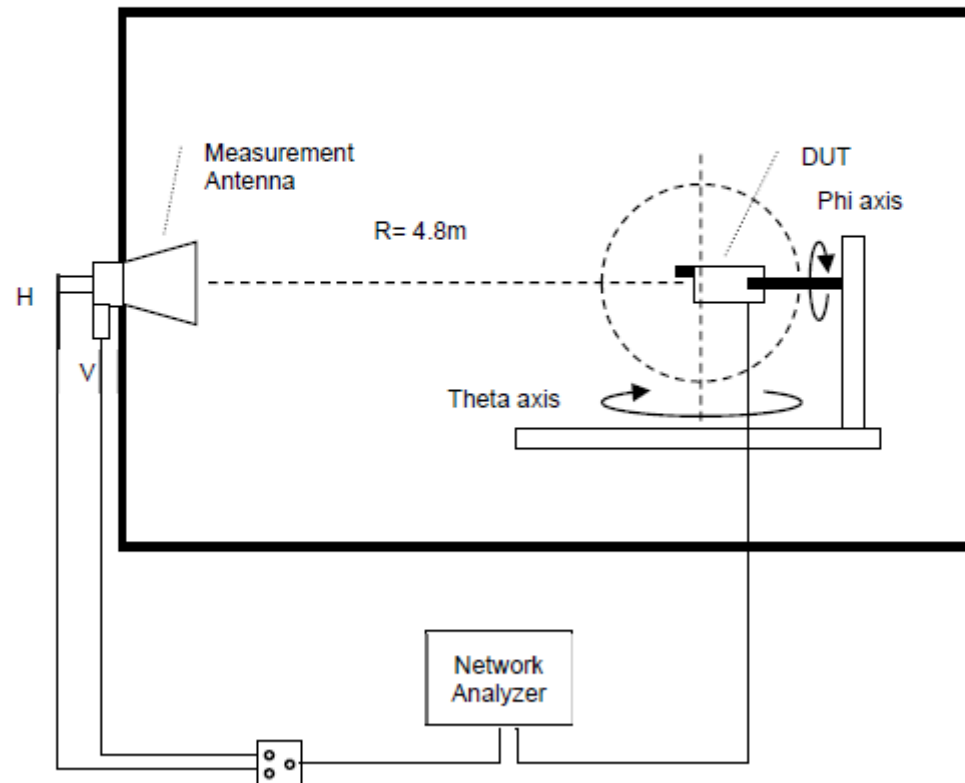


Figure 1. Antenna Pattern Test System.

5.1 Block diagram of calibration

Block diagram of calibration

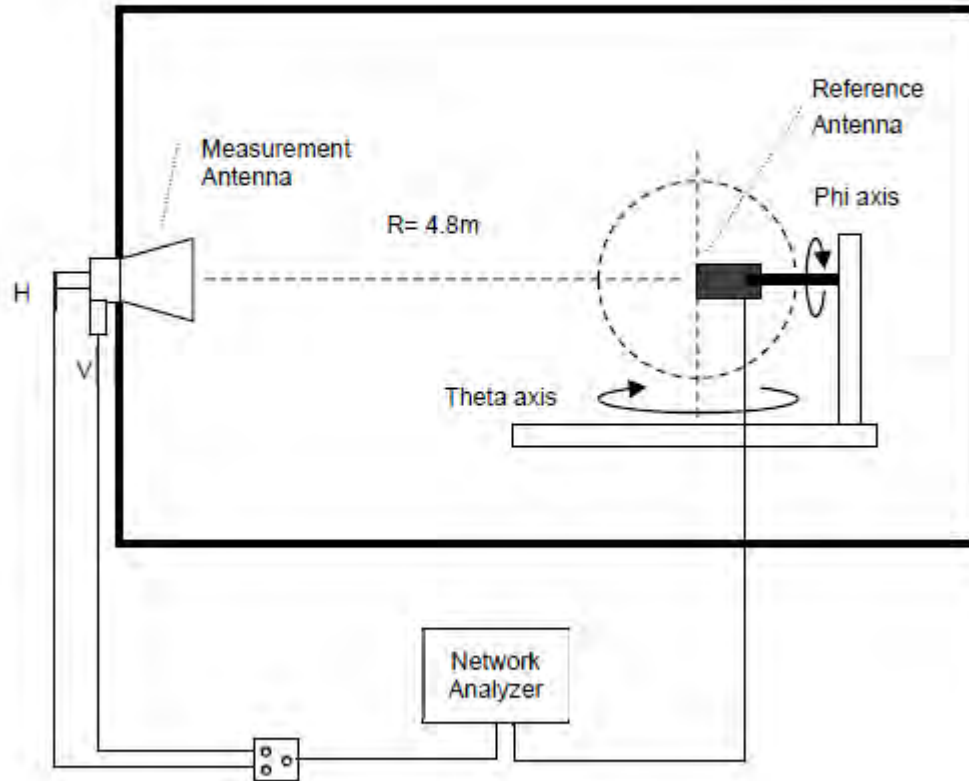


Figure 2. Calibration configuration.

Measurement Setup

Chamber Placement

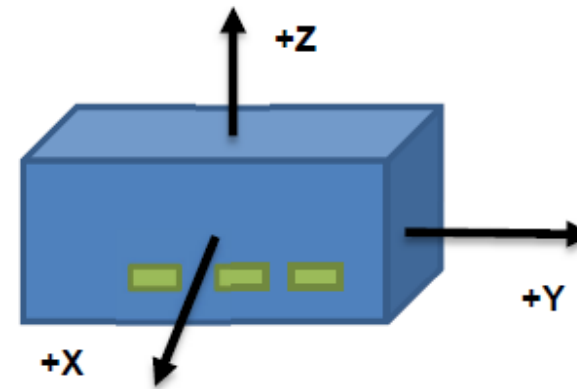
To minimize the physical volume occupied by the EUT during testing, the center of rotation shall be the three-dimensional geometric center of the EUT and not the antenna

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.



5.2 Measurement Setup & Test Instruments & Procedure

Measurement Setup

Chamber Placement

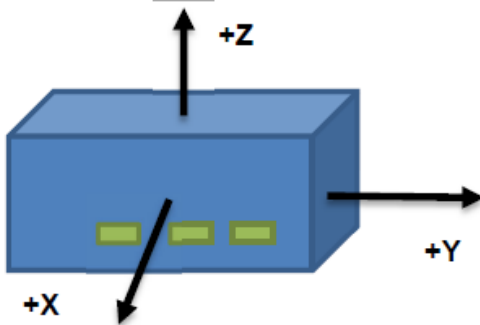
To minimize the physical volume occupied by the EUT during testing, the center of rotation shall be the three-dimensional geometric center of the EUT and not the antenna

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.



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	2026/7/21	2027/7/20	12 months
Test Software	ETS-Lindgren EMQuest V1.19 build 16371	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.

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.).

5.1 Individual Antenna Maximum Peak Gain

Individual Antenna Maximum Peak Gain:

Frequency Band (MHz)	2400	2450	2500	-	-	-	-	-	-	-
Ant. 1 (dBi)	1.86	4.15	3.33	-	-	-	-	-	-	-
Polarization	Theta	Theta	Theta	-	-	-	-	-	-	-
Axis: Theta(°)	120	120	75	-	-	-	-	-	-	-
Axis: Phi(°)	150	150	75	-	-	-	-	-	-	-
Ant. 2 (dBi)	2.69	3.63	3.18	-	-	-	-	-	-	-
Polarization	Phi	Phi	Phi	-	-	-	-	-	-	-
Axis: Theta(°)	15	15	15	-	-	-	-	-	-	-
Axis: Phi(°)	75	75	75	-	-	-	-	-	-	-
Ant. 3 (dBi)	3.22	4.02	0.72	-	-	-	-	-	-	-
Polarization	Phi	Phi	Phi	-	-	-	-	-	-	-
Axis: Theta(°)	30	45	45	-	-	-	-	-	-	-
Axis: Phi(°)	30	30	30	-	-	-	-	-	-	-
Ant. 4 (dBi)	3.18	2.07	2.1	-	-	-	-	-	-	-
Polarization	Phi	Phi	Phi	-	-	-	-	-	-	-
Axis: Theta(°)	75	75	30	-	-	-	-	-	-	-
Axis: Phi(°)	120	120	105	-	-	-	-	-	-	-
Frequency Band (MHz)	5150	5200	5250	5300	5350	5470	5600	5725	5785	5850
Ant. 1 (dBi)	3.97	3.47	3.5	3.35	3.4	2.45	1.26	0.69	1.16	1.73
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta
Axis: Theta(°)	75	105	105	105	105	90	90	60	90	75
Axis: Phi(°)	60	120	120	120	120	105	60	60	60	105
Ant. 2 (dBi)	4.38	4.38	4.15	4.01	4.11	4.3	4.74	5.28	4.73	2.85
Polarization	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi	Phi
Axis: Theta(°)	45	45	45	60	60	60	60	60	60	60
Axis: Phi(°)	105	105	105	105	105	105	120	120	120	105
Ant. 3 (dBi)	3.09	3.81	4.04	3.75	3.39	3.55	4.54	3.38	1.51	0.37
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta
Axis: Theta(°)	60	60	60	60	60	45	60	60	60	75
Axis: Phi(°)	120	120	120	90	90	90	90	75	75	75
Ant. 4 (dBi)	1.97	2.51	3.03	2.74	3.11	3.65	3.29	2.4	2.73	2.68
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta
Axis: Theta(°)	105	105	90	105	105	90	90	105	105	105
Axis: Phi(°)	120	120	120	135	135	120	120	135	135	135

Frequency band	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3
WiFi_1	4.15	3.97	3.5	2.45	1.73
WiFi_2	3.63	4.38	4.15	5.28	5.28
WiFi_3	4.02	4.04	4.04	4.54	3.38
WiFi_4	3.18	3.03	3.11	3.65	2.73

Frequency(Hz)	DFS
WiFi_9	4.54

5.2 Maximum Directional Gain (Angle and Value)

Frequency Band (MHz)	2400	2450	2500	-	-	-	-	-	-	-
Ant. 1 (dBi)	-4.28	-6.23	2.85	-	-	-	-	-	-	-
Ant. 2 (dBi)	1.29	2.58	-9.58	-	-	-	-	-	-	-
Ant. 3 (dBi)	-0.91	-1.22	-3.87							
Ant. 4 (dBi)	1.06	1.8	0.03							
Polarization	Phi	Phi	Theta	-	-	-	-	-	-	-
Axis: Theta(°)	90	90	75	-	-	-	-	-	-	-
Axis: Phi(°)	90	105	90	-	-	-	-	-	-	-
Correlated Signals DG Calculation $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$										
DG (dBi) [1SS]	5.58	5.87	4.52	-	-	-	-	-	-	-

Frequency Band (MHz)	5150	5200	5250	5300	5350	5470	5600	5725	5785	5850
Ant. 1 (dBi)	3.27	3.47	2.61	3.32	1.62	0.14	-1.09	-1.84	0.69	1.55
Ant. 2 (dBi)	-14.41	-19.42	-22.82	-5.02	-17.41	-2.73	-2.3	-3.04	-3.85	-4.48
Ant. 3 (dBi)	0.1	-0.01	2.47	0.19	2.32	2.85	3.53	3.38	-1.22	-2.31
Ant. 4 (dBi)	1.97	2.51	1.99	-2.05	1.99	-2.82	-3.9	-2.55	2.18	2.1
Polarization	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta	Theta
Axis: Theta(°)	105	105	90	105	90	60	60	60	75	75
Axis: Phi(°)	120	120	105	105	90	75	75	75	120	120
Correlated Signals DG Calculation $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$										
DG (dBi) [1SS]	5.83	5.87	6.04	5.66	5.81	5.71	5.55	5.43	5.75	5.65

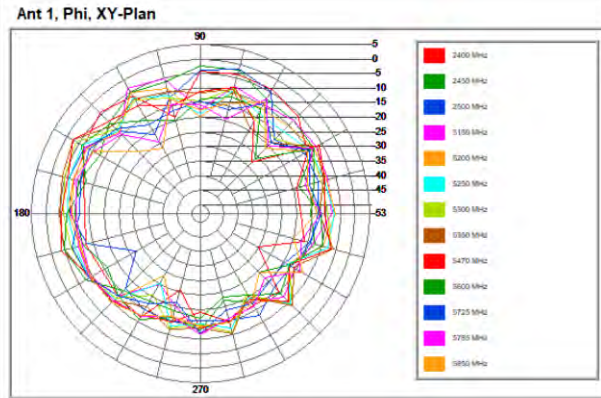
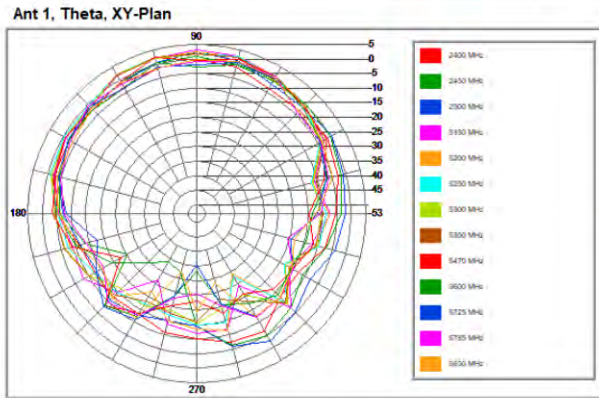
Frequency band	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3
DG (dBi) [1SS]	5.87	6.04	6.04	5.71	5.75

Note:

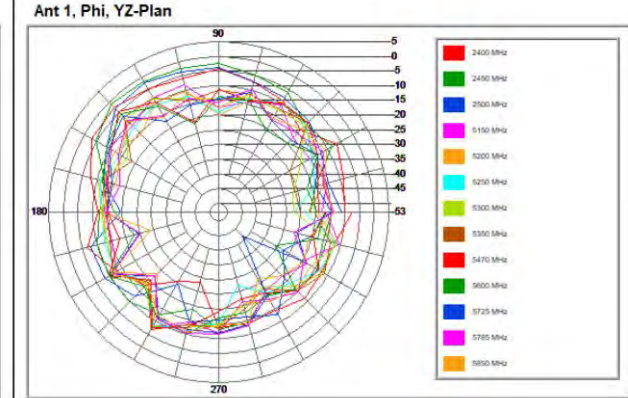
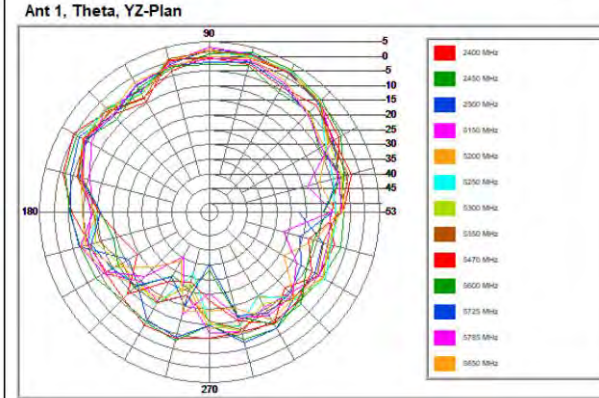
- ◆ The individual antenna gain and directional gain are by measurement as indicated in above table. For devices transmitter supports MIMO and use same antenna at multiple antenna ports. The direction gain values are follow FCC KDB 662911 D01 into calculation.
- ◆ The applicable limit is subjected to 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.

6.1 Antenna Pattern Test Plots_ANT1

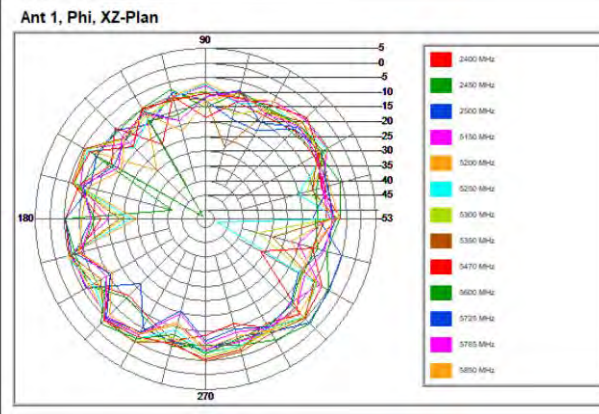
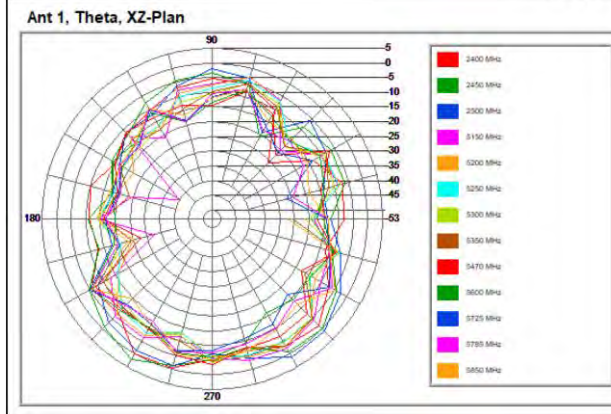
X-Y Plan (Ant 1)



Y-Z Plan (Ant 1)



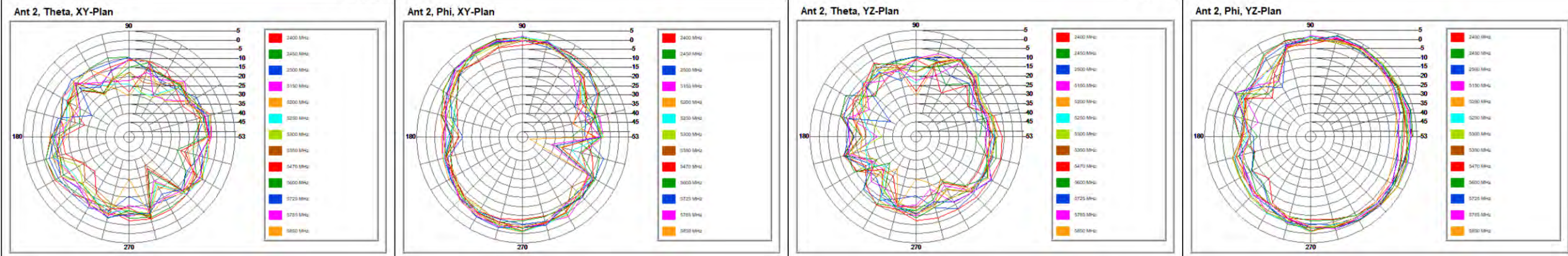
Z-X Plan (Ant 1)



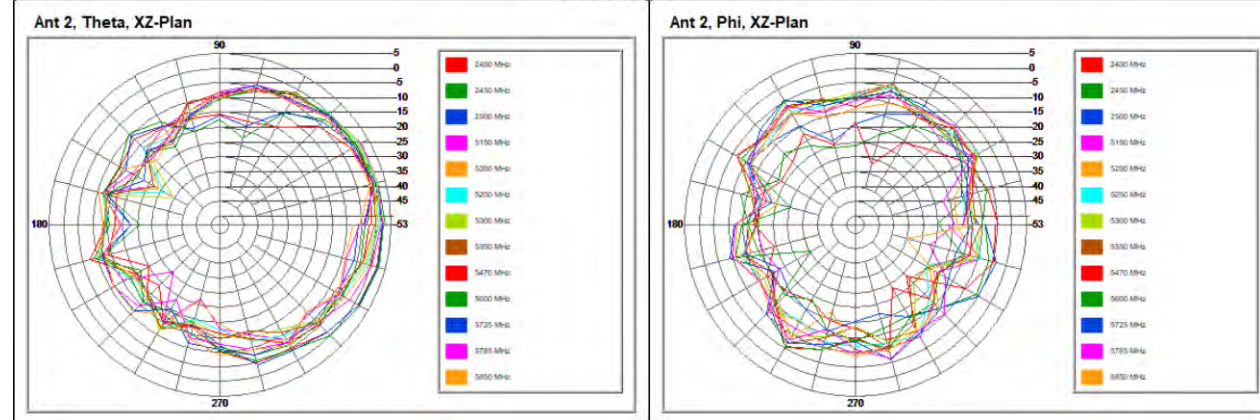
6.2 Antenna Pattern Test Plots_ANT2

X-Y Plan (Ant 2)

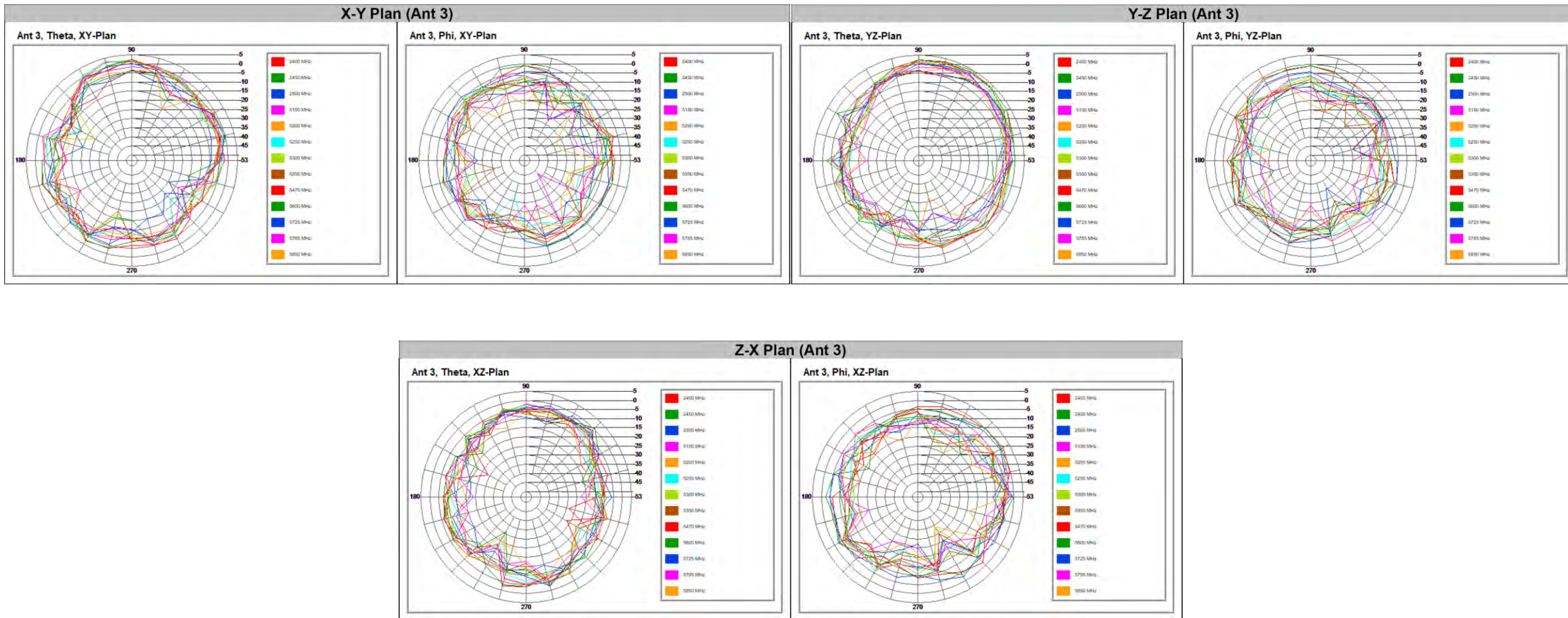
Y-Z Plan (Ant 2)



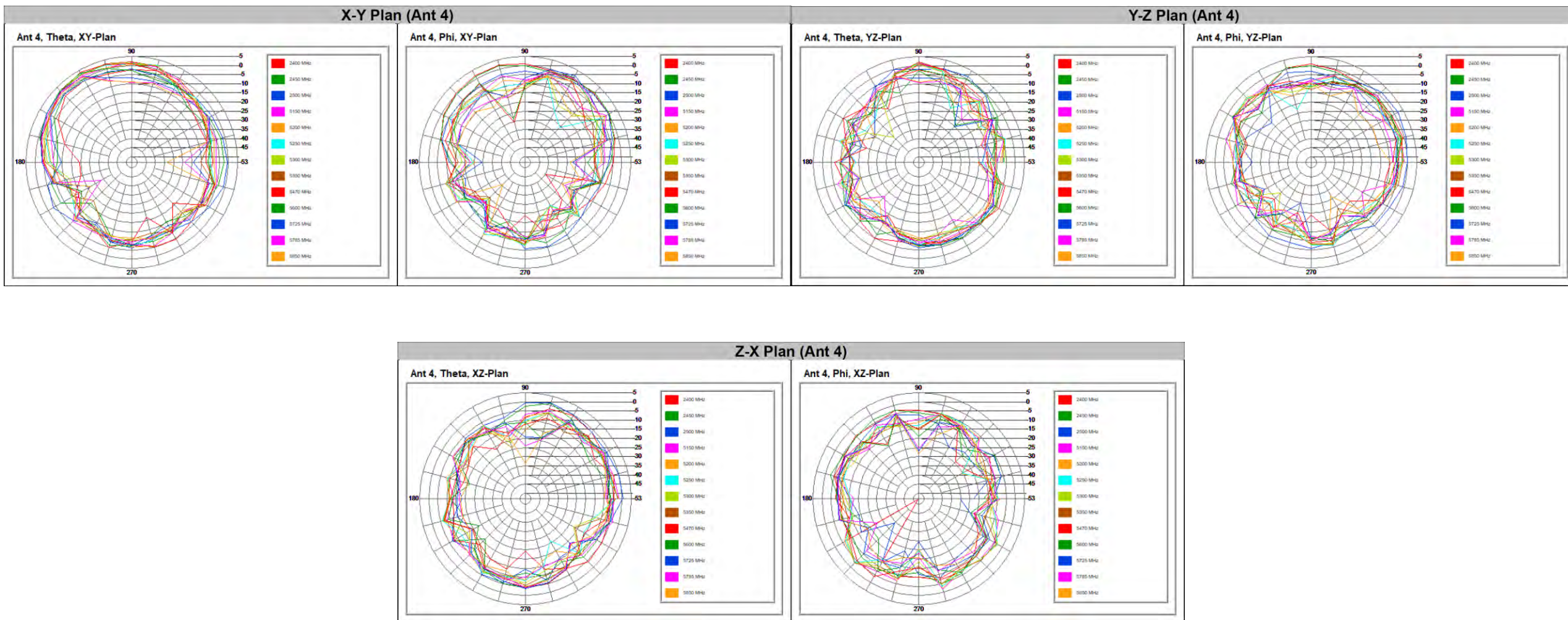
Z-X Plan (Ant 2)



6.3 Antenna Pattern Test Plots_ANT4



6.4 Antenna Pattern Test Plots_ANT4



7. RADIATED DIRECTIONAL GAIN

Ant.	No. 1																								
Freq. (MHz)	2400																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.39	-9.57	-11.79	-14.90	-16.70	-14.20	-11.33	-9.38	-8.09	-7.25	-6.76	-6.92	-7.94	-9.63	-11.90	-15.22	-18.46	-15.84	-12.19	-9.78	-7.90	-6.86	-6.73	-7.31	-8.39
θ (15°)	-6.84	-9.07	-13.41	-25.27	-18.46	-11.10	-7.93	-6.84	-7.18	-8.48	-10.15	-11.69	-13.04	-14.27	-15.32	-15.68	-13.73	-10.73	-8.76	-7.59	-6.47	-5.42	-4.95	-5.27	-6.84
θ (30°)	-13.32	-21.02	-18.78	-10.36	-6.32	-3.50	-1.93	-1.68	-2.48	-3.65	-4.43	-5.30	-7.21	-11.32	-17.56	-19.70	-18.63	-12.31	-9.75	-9.99	-10.30	-9.63	-9.10	-9.69	-13.32
θ (45°)	-26.17	-13.08	-5.91	-2.81	-1.48	-0.40	0.00	-0.69	-1.63	-1.33	-0.43	-0.34	-1.65	-4.92	-10.37	-10.48	-10.83	-14.36	-16.59	-14.81	-13.94	-12.73	-12.19	-14.30	-26.17
θ (60°)	-10.33	-8.61	-6.00	-2.25	0.31	1.30	1.65	0.41	-2.07	-2.89	-2.32	-2.26	-2.90	-3.44	-5.03	-7.58	-8.34	-10.18	-9.17	-5.97	-6.62	-11.68	-12.92	-11.73	-10.33
θ (75°)	-5.66	-1.81	-1.23	-1.63	0.55	1.55	1.44	-1.24	-7.08	-13.13	-12.83	-9.39	-6.81	-6.20	-8.32	-11.52	-13.00	-14.51	-10.66	-8.12	-9.02	-17.48	-18.77	-12.37	-5.66
θ (90°)	-5.25	-2.65	-1.19	-2.94	-3.50	-0.90	-0.05	-1.38	-2.94	-2.83	-2.41	-2.64	-5.43	-11.31	-12.74	-12.51	-13.23	-10.67	-9.98	-7.43	-6.39	-12.69	-12.86	-7.42	-5.25
θ (105°)	-6.84	-5.05	-4.58	-6.42	-8.88	-6.30	-3.32	-1.73	-0.43	0.51	1.11	0.87	-0.42	-1.75	-2.97	-7.41	-7.93	-7.79	-8.67	-7.38	-9.36	-15.11	-12.86	-9.19	-6.84
θ (120°)	-10.55	-7.26	-4.71	-4.28	-6.94	-11.46	-8.23	-4.05	-1.56	0.51	[1.86]	1.56	-0.07	-2.46	-5.11	-11.62	-11.71	-8.28	-8.69	-10.67	-14.61	-11.03	-11.30	-18.12	-10.55
θ (135°)	-11.75	-10.43	-9.24	-6.33	-4.96	-5.00	-3.96	-2.97	-2.24	-1.28	-1.21	-3.14	-7.79	-14.90	-18.51	-15.38	-10.11	-9.62	-11.23	-10.24	-7.99	-9.02	-13.67	-18.15	-11.75
θ (150°)	-15.03	-9.60	-5.96	-3.73	-2.05	-0.53	0.49	0.49	-0.63	-2.13	-2.99	-3.71	-5.55	-8.63	-12.06	-12.14	-10.44	-10.73	-11.88	-11.00	-9.00	-8.46	-10.44	-16.94	-15.03
θ (165°)	-9.97	-10.06	-8.39	-5.92	-3.68	-2.14	-1.43	-1.46	-2.32	-4.06	-6.45	-9.54	-12.70	-12.15	-9.41	-7.79	-7.77	-9.12	-10.65	-10.33	-8.55	-7.24	-7.00	-7.58	-9.97
θ (180°)	-11.31	-9.34	-7.40	-6.17	-5.64	-5.61	-6.17	-7.15	-8.61	-11.36	-14.85	-14.90	-11.41	-8.46	-6.36	-4.93	-4.12	-3.81	-3.91	-4.46	-5.52	-7.38	-10.28	-14.00	-11.31
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°)	-11.91	-10.16	-8.72	-7.87	-7.84	-8.59	-9.98	-12.01	-15.32	-21.93	-22.69	-16.05	-12.32	-10.21	-9.08	-7.98	-7.11	-6.94	-7.57	-9.12	-11.99	-16.66	-20.22	-16.52	-11.91
θ (15°)	-10.73	-8.37	-7.06	-6.35	-6.21	-6.95	-8.86	-12.73	-20.40	-20.80	-16.42	-15.33	-15.28	-15.53	-14.76	-12.45	-10.98	-11.08	-11.87	-12.75	-14.54	-18.56	-19.77	-15.01	-10.73
θ (30°)	-10.06	-8.22	-6.67	-5.80	-5.29	-5.28	-6.47	-10.38	-17.62	-12.27	-8.96	-7.92	-7.40	-8.23	-11.06	-15.17	-14.39	-12.38	-12.27	-13.97	-17.03	-22.24	-27.08	-17.01	-10.06
θ (45°)	-10.55	-7.92	-7.10	-7.50	-7.84	-9.15	-13.77	-24.75	-18.43	-11.83	-10.14	-7.96	-5.35	-4.35	-6.47	-14.54	-11.96	-9.87	-11.58	-17.95	-27.80	-24.08	-18.78	-15.21	-10.55
θ (60°)	-12.52	-10.57	-9.94	-8.06	-5.10	-3.73	-9.22	-18.51	-14.71	-19.25	-14.60	-12.73	-10.28	-6.88	-5.49	-8.33	-9.08	-11.95	-14.44	-11.25	-15.85	-15.09	-12.00	-15.08	-12.52
θ (75°)	-12.06	-9.19	-6.77	-4.24	-2.86	-1.85	-7.01	-18.36	-10.81	-14.60	-22.49	-22.73	-15.97	-8.75	-7.34	-10.69	-8.10	-14.08	-13.89	-8.56	-16.58	-14.48	-12.46	-14.49	-12.06
θ (90°)	-18.42	-18.64	-10.44	-5.62	-3.67	-3.54	-4.28	-18.74	-6.43	-4.32	-6.98	-11.50	-13.41	-12.27	-14.21	-12.94	-11.77	-25.87	-13.77	-14.52	-16.67	-14.94	-30.30	-16.12	-18.42
θ (105°)	-10.03	-15.31	-11.97	-7.69	-4.57	-5.69	-5.89	-11.52	-7.73	-5.46	-7.21	-9.03	-9.88	-9.81	-8.72	-9.15	-14.57	-23.24	-28.32	-18.60	-20.04	-25.15	-14.66	-11.79	-10.03
θ (120°)	-23.55	-23.36	-16.83	-16.33	-12.96	-8.87	-4.83	-2.25	-3.39	-6.90	-14.11	-21.70	-14.36	-12.60	-19.88	-12.11	-13.28	-16.42	-26.05	-18.42	-10.44	-8.52	-12.00	-17.26	-23.55
θ (135°)	-9.64	-8.32	-9.14	-16.04	-13.44	-6.47	-2.76	-0.86	-0.62	-1.83	-4.70	-9.59	-16.01	-17.17	-9.67	-6.02	-8.77	-18.15	-17.89	-23.55	-18.23	-14.06	-13.13	-12.22	-9.64
θ (150°)	-15.99	-14.89	-12.03	-9.04	-7.03	-5.09	-3.11	-1.36	-0.09	[0.05]	-1.33	-4.15	-8.91	-12.26	-13.90	-12.51	-9.07	-8.81	-12.93	-16.84	-11.75	-10.35	-11.74	-15.11	-15.99
θ (165°)	-8.71	-7.70	-6.20	-5.22	-5.25	-6.34	-7.78	-8.45	-7.66	-6.60	-5.74	-5.28	-5.24	-6.03	-9.00	-16.73	-17.69	-9.67	-6.52	-5.26	-5.20	-6.10	-7.52	-8.60	-8.71
θ (180°)	-5.16	-5.95	-7.77	-10.83	-14.86	-15.29	-12.05	-9.31	-7.42	-5.99	-5.07	-4.70	-5.10	-6.05	-7.74	-10.75	-15.49	-16.62	-12.81	-9.70	-7.68	-6.45	-5.37	-4.67	-5.16

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°)	-12.75	-17.75	-34.58	-17.96	-12.61	-10.00	-8.73	-8.30	-8.51	-9.35	-10.28	-11.85	-15.03	-22.44	-26.51	-16.36	-11.88	-8.99	-7.07	-6.05	-5.71	-6.00	-7.03	-8.93	-12.75
θ (15°)	-6.29	-9.53	-15.93	-13.12	-7.65	-5.54	-5.56	-7.15	-9.86	-12.27	-12.28	-11.21	-10.83	-11.11	-11.81	-11.70	-10.36	-8.41	-6.74	-5.68	-4.95	-4.36	-4.19	-4.49	-6.29
θ (30°)	-6.34	-8.49	-13.25	-10.44	-4.68	-1.89	-1.11	-1.45	-2.29	-3.24	-3.85	-3.89	-4.06	-4.93	-6.83	-9.50	-11.35	-10.15	-8.50	-7.89	-7.22	-5.94	-4.93	-4.82	-6.34
θ (45°)	-8.72	-11.81	-7.49	-3.07	-0.75	0.50	1.15	0.93	-0.02	-0.50	-0.26	0.22	0.19	-0.99	-4.20	-10.33	-17.45	-12.55	-10.12	-8.44	-6.03	-4.18	-3.82	-4.95	-8.72
θ (60°)	-20.76	-12.21	-5.92	-1.51	0.42	1.57	2.82	2.53	0.67	-0.13	-0.27	-0.41	-0.78	-1.40	-2.95	-7.00	-11.53	-8.39	-7.14	-5.20	-3.49	-4.22	-6.61	-12.60	-20.76
θ (75°)	-5.31	-2.47	-1.01	0.37	1.13	2.06	3.11	1.54	-1.85	-3.44	-5.24	-8.07	-7.94	-4.96	-4.40	-7.58	-9.35	-7.40	-8.25	-5.61	-3.58	-5.62	-9.47	-9.38	-5.31
θ (90°)	-3.44	-1.73	-0.17	-0.09	-0.60	-0.31	0.93	0.66	-1.07	-2.26	-2.63	-3.41	-5.44	-10.05	-19.54	-29.22	-34.06	-32.24	-14.34	-6.08	-4.52	-7.23	-10.93	-7.04	-3.44
θ (105°)	-4.43	-4.50	-2.63	-2.47	-3.28	-3.18	-2.57	-1.10	0.39	1.17	1.28	0.40	-1.41	-1.63	-1.41	-5.07	-10.04	-8.88	-7.77	-6.40	-9.19	-21.36	-10.36	-5.92	-4.43
θ (120°)	-7.82	-6.25	-3.67	-2.81	-4.96	-5.83	-4.96	-3.66	0.06	3.09	[4.15]	3.58	2.18	0.99	-0.35	-4.00	-8.49	-10.28	-9.93	-10.88	-13.32	-12.80	-10.39	-9.86	-7.82
θ (135°)	-12.42	-9.40	-9.30	-8.47	-7.04	-4.93	-3.89	-4.12	-1.85	1.06	2.28	1.55	-1.20	-6.60	-11.56	-12.09	-21.60	-14.34	-10.85	-11.74	-9.60	-9.95	-13.66	-25.39	-12.42
θ (150°)	-13.65	-9.23	-5.85	-3.47	-1.67	-0.65	-0.71	-1.61	-2.60	-2.64	-2.21	-2.67	-4.52	-8.33	-14.61	-17.71	-12.08	-8.31	-8.15	-11.27	-12.69	-10.79	-11.60	-16.70	-13.65
θ (165°)	-18.14	-16.09	-10.09	-6.40	-3.92	-2.48	-2.19	-2.98	-4.49	-6.69	-9.42	-11.59	-13.18	-12.47	-9.31	-6.60	-5.25	-5.49	-7.52	-10.90	-12.01	-10.05	-9.59	-10.81	-18.14
θ (180°)	-10.84	-9.35	-7.70	-6.20	-5.26	-4.95	-5.30	-6.22	-7.69	-9.91	-12.62	-14.35	-12.36	-9.73	-7.76	-6.36	-5.36	-4.86	-4.96	-5.57	-6.46	-7.90	-10.09	-12.71	-10.84
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-7.29	-6.92	-7.15	-8.02	-9.97	-13.77	-21.72	-28.83	-17.33	-12.77	-10.03	-8.44	-7.62	-7.33	-7.75	-8.57	-9.35	-10.90	-14.45	-22.32	-23.31	-15.57	-11.72	-9.04	-7.29
θ (15°)	-5.38	-3.51	-2.80	-3.24	-5.28	-9.77	-18.66	-15.45	-10.61	-8.72	-8.23	-8.68	-9.97	-12.16	-16.29	-23.02	-18.19	-15.87	-16.01	-16.01	-15.76	-14.57	-11.79	-9.07	-5.38
θ (30°)	-8.68	-5.82	-2.69	-1.00	-1.14	-3.45	-8.39	-14.30	-10.26	-6.85	-5.26	-4.61	-4.67	-5.23	-6.81	-11.25	-22.20	-19.42	-13.86	-10.51	-10.43	-13.11	-17.13	-14.61	-8.68
θ (45°)	-11.71	-8.30	-3.86	-1.29	-0.93	-3.68	-10.74	-18.91	-12.87	-8.37	-5.54	-3.68	-2.52	-1.80	-2.78	-7.02	-14.78	-22.20	-15.81	-9.61	-9.52	-14.07	-26.48	-16.02	-11.71
θ (60°)	-10.99	-16.75	-15.65	-5.87	-0.42	0.16	-5.76	-15.93	-18.80	-12.62	-6.51	-4.67	-5.41	-5.88	-5.83	-7.97	-10.14	-10.37	-20.74	-11.27	-9.89	-13.22	-10.80	-9.00	-10.99
θ (75°)	-8.54	-11.01	-15.66	-10.20	-1.45	[0.32]	-4.92	-9.88	-10.26	-17.15	-7.99	-6.60	-8.43	-9.08	-10.50	-20.42	-18.14	-11.22	-14.09	-13.64	-15.07	-22.40	-12.62	-10.35	-8.54
θ (90°)	-15.29	-12.71	-8.23	-7.94	-7.50	-2.18	-2.33	-6.23	-5.25	-8.91	-13.23	-9.75	-10.18	-11.28	-16.03	-13.08	-10.93	-16.10	-13.12	-22.15	-17.67	-24.35	-17.66	-12.34	-15.29
θ (105°)	-7.22	-10.90	-7.25	-4.65	-8.42	-4.70	-2.50	-4.85	-5.47	-5.14	-5.17	-5.98	-8.27	-10.95	-11.62	-11.75	-16.08	-23.08	-18.95	-11.88	-18.10	-17.97	-14.25	-8.47	-7.22
θ (120°)	-9.91	-11.89	-15.43	-9.45	-10.06	-9.60	-1.74	-0.70	-3.47	-9.96	-12.28	-10.26	-13.31	-15.68	-21.37	-14.67	-9.55	-9.70	-12.54	-13.21	-18.33	-7.39	-11.46	-16.91	-9.91
θ (135°)	-11.00	-12.11	-10.99	-9.67	-14.31	-5.62	-1.22	-0.18	-1.02	-3.56	-8.08	-12.97	-14.94	-12.54	-6.93	-4.15	-5.19	-7.81	-9.75	-11.59	-13.36	-10.21	-10.84	-14.25	-11.00
θ (150°)	-9.43	-9.42	-10.39	-13.32	-14.68	-9.00	-4.71	-2.51	-1.76	-2.10	-3.14	-4.76	-7.15	-9.04	-9.60	-10.69	-11.52	-9.91	-9.64	-12.51	-14.63	-11.33	-9.66	-9.77	-9.43
θ (165°)	-41.22	-17.15	-10.77	-8.34	-8.41	-10.54	-12.62	-10.82	-8.72	-7.97	-7.88	-7.74	-6.88	-5.92	-5.79	-7.82	-12.85	-14.87	-10.19	-8.24	-8.38	-10.09	-13.40	-17.58	-41.22
θ (180°)	-5.21	-5.64	-6.78	-8.74	-11.79	-13.87	-12.20	-9.76	-8.04	-6.87	-6.02	-5.66	-5.77	-6.45	-7.84	-10.15	-13.43	-14.35	-11.87	-9.82	-8.71	-7.67	-6.47	-5.52	-5.21

Ant.	No.1																								
Freq. (MHz)	2500																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-13.58	-14.71	-17.48	-22.23	-24.37	-18.39	-13.94	-11.45	-10.23	-9.76	-10.01	-10.87	-12.48	-15.09	-18.43	-22.22	-25.94	-25.53	-22.63	-19.39	-17.29	-16.25	-14.99	-13.73	-13.58
θ (15°)	-14.04	-17.90	-21.95	-32.15	-20.91	-11.92	-7.43	-5.15	-4.57	-5.09	-5.97	-6.74	-7.83	-9.40	-11.22	-12.96	-14.30	-14.50	-13.10	-11.15	-9.36	-8.25	-8.45	-9.65	-14.04
θ (30°)	-7.87	-9.73	-13.02	-14.64	-11.83	-7.24	-4.06	-3.13	-4.16	-5.62	-4.78	-3.15	-2.68	-3.70	-6.22	-9.78	-13.03	-13.49	-11.44	-9.69	-8.49	-7.35	-6.53	-6.31	-7.87
θ (45°)	-5.87	-6.00	-4.40	-3.11	-2.41	-1.24	-0.68	-1.54	-2.19	-1.44	-0.06	0.98	1.14	-0.02	-3.32	-9.59	-16.88	-16.35	-12.05	-7.88	-4.92	-3.40	-3.42	-4.26	-5.87
θ (60°)	-19.25	-13.10	-6.90	-2.11	0.29	1.24	1.54	0.92	0.12	-0.45	-0.17	0.87	1.31	0.98	-0.37	-4.00	-9.87	-10.79	-7.18	-3.40	-1.29	-1.65	-4.52	-11.78	-19.25
θ (75°)	-3.48	-1.88	-2.17	-2.31	1.58	[3.33]	2.85	0.60	-2.63	-6.06	-6.81	-4.66	-3.83	-3.74	-3.32	-4.80	-8.23	-8.47	-7.16	-4.64	-2.41	-5.24	-10.05	-7.25	-3.48
θ (90°)	-2.11	-0.80	0.48	-1.53	-1.82	1.36	2.30	0.77	-1.30	-1.58	-2.18	-3.94	-7.13	-11.53	-13.52	-11.13	-12.76	-14.99	-14.42	-5.85	-2.52	-5.47	-7.92	-3.94	-2.11
θ (105°)	-6.34	-5.22	-2.52	-3.62	-4.02	-3.20	-0.89	0.01	0.49	1.50	2.18	1.43	-1.49	-5.68	-4.04	-5.18	-11.98	-13.47	-8.81	-5.06	-6.34	-18.32	-8.63	-5.15	-6.34
θ (120°)	-12.24	-8.47	-4.03	-3.17	-3.58	-5.42	-6.12	-2.00	0.18	1.45	2.09	1.25	-1.42	-3.74	-2.45	-3.08	-8.22	-10.45	-10.61	-12.82	-12.85	-9.04	-7.21	-9.06	-12.24
θ (135°)	-11.60	-7.92	-6.57	-4.58	-2.68	-3.39	-6.06	-4.26	-1.95	-0.72	-0.36	-1.08	-3.28	-6.38	-7.48	-8.87	-10.96	-15.50	-18.32	-14.94	-9.58	-8.04	-11.70	-25.17	-11.60
θ (150°)	-16.57	-10.74	-5.66	-2.31	-0.58	-0.46	-1.54	-2.77	-3.55	-4.05	-4.60	-5.65	-8.23	-13.70	-19.34	-12.63	-9.97	-12.45	-21.06	-22.58	-17.38	-10.91	-9.52	-12.35	-16.57
θ (165°)	-18.05	-16.90	-11.28	-7.46	-5.14	-4.02	-3.83	-4.60	-6.14	-8.15	-10.44	-14.17	-20.82	-23.05	-15.34	-11.00	-8.75	-7.69	-7.11	-7.12	-7.95	-9.63	-11.71	-13.35	-18.05
θ (180°)	-15.08	-11.80	-8.61	-6.59	-5.68	-5.45	-5.72	-6.52	-7.83	-10.24	-14.91	-21.71	-15.81	-10.87	-7.84	-5.89	-4.84	-4.55	-4.76	-5.35	-6.65	-8.90	-12.39	-18.12	-15.08
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°)	-16.56	-14.15	-11.85	-10.68	-10.37	-10.55	-11.20	-12.25	-14.03	-16.33	-17.48	-16.32	-14.54	-13.22	-12.40	-12.42	-13.15	-14.66	-16.26	-18.00	-20.61	-23.42	-21.92	-20.31	-16.56
θ (15°)	-9.34	-10.27	-13.41	-18.14	-16.21	-13.81	-14.33	-14.83	-11.33	-7.90	-6.03	-5.32	-5.06	-5.26	-6.29	-8.16	-11.14	-15.65	-20.69	-20.81	-17.64	-14.80	-12.13	-10.26	-9.34
θ (30°)	-7.70	-6.45	-5.85	-6.79	-8.98	-10.75	-12.91	-17.98	-9.03	-4.22	-2.87	-3.28	-4.20	-5.03	-6.07	-7.77	-11.43	-20.82	-27.62	-19.48	-14.70	-11.87	-10.84	-10.12	-7.70
θ (45°)	-9.75	-6.00	-4.02	-3.43	-4.50	-7.41	-9.20	-12.47	-7.92	-3.37	-2.44	-3.04	-3.39	-3.01	-3.10	-4.95	-8.22	-13.44	-21.47	-18.67	-13.35	-13.81	-18.66	-17.76	-9.75
θ (60°)	-18.44	-13.37	-8.01	-3.21	[-0.27]	-1.54	-8.15	-14.01	-10.56	-4.16	-3.71	-5.86	-8.56	-8.51	-5.23	-5.33	-5.48	-6.23	-12.73	-20.72	-13.75	-16.50	-15.47	-15.26	-18.44
θ (75°)	-18.14	-18.03	-11.36	-4.79	-0.46	-0.89	-6.84	-14.46	-12.92	-7.15	-6.25	-8.17	-11.64	-14.60	-10.29	-12.00	-11.68	-8.97	-16.12	-17.63	-20.59	-20.31	-16.86	-18.69	-18.14
θ (90°)	-12.55	-11.14	-11.66	-17.23	-4.82	-1.59	-3.63	-11.82	-21.68	-13.14	-7.35	-6.31	-8.35	-12.85	-27.40	-16.62	-14.78	-14.57	-16.25	-15.01	-12.88	-17.39	-17.17	-13.98	-12.55
θ (105°)	-8.71	-9.39	-6.83	-8.57	-7.56	-3.27	-3.57	-10.21	-16.58	-9.04	-7.57	-7.95	-9.81	-12.31	-14.11	-16.11	-21.59	-22.28	-14.27	-11.88	-12.97	-14.92	-22.77	-14.01	-8.71
θ (120°)	-15.51	-17.14	-8.76	-4.93	-7.70	-6.69	-2.10	-2.61	-7.42	-11.81	-11.41	-10.94	-10.31	-10.91	-15.20	-27.44	-13.16	-11.85	-24.74	-11.63	-15.91	-17.28	-16.43	-19.44	-15.51
θ (135°)	-10.54	-6.64	-2.88	-3.98	-13.98	-7.72	-3.06	-2.38	-3.74	-6.70	-12.11	-20.95	-22.06	-19.44	-12.60	-8.88	-9.32	-9.08	-12.39	-13.00	-9.39	-13.66	-19.90	-16.61	-10.54
θ (150°)	-10.19	-7.80	-6.89	-8.51	-13.73	-17.51	-9.11	-5.12	-3.18	-2.76	-3.56	-4.72	-6.03	-6.77	-7.89	-9.80	-9.09	-7.02	-8.09	-13.00	-10.90	-9.57	-13.40	-19.08	-10.19
θ (165°)	-12.31	-9.12	-6.32	-5.23	-5.77	-8.06	-12.36	-15.64	-11.50	-8.31	-6.66	-5.85	-5.78	-6.24	-7.62	-10.31	-11.97	-9.53	-7.85	-7.31	-7.18	-7.49	-8.84	-10.84	-12.31
θ (180°)	-5.18	-5.79	-7.31	-9.93	-13.91	-20.36	-19.54	-12.56	-8.90	-6.76	-5.70	-5.53	-5.78	-6.55	-7.99	-10.43	-14.56	-20.67	-17.90	-13.06	-10.09	-7.81	-6.07	-5.18	-5.18

Ant.	No.1																								
Freq. (MHz)	5150																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-18.58	-15.60	-12.50	-11.55	-11.05	-10.56	-10.69	-11.34	-11.94	-12.85	-14.92	-15.73	-18.62	-18.47	-15.05	-13.62	-12.32	-11.48	-11.40	-12.14	-13.66	-15.86	-19.31	-22.26	-18.58
$\theta(15^\circ)$	-8.56	-9.59	-11.29	-14.01	-16.40	-16.61	-18.35	-18.70	-17.24	-22.53	-27.26	-14.97	-11.59	-11.31	-12.60	-13.81	-17.13	-12.15	-11.35	-14.19	-16.13	-12.88	-10.33	-8.98	-8.56
$\theta(30^\circ)$	-10.01	-9.43	-8.87	-8.17	-8.63	-7.27	-4.84	-3.59	-3.95	-6.97	-7.71	-7.37	-10.20	-20.33	-21.43	-24.88	-18.17	-15.57	-9.61	-15.30	-23.77	-14.47	-9.48	-10.15	-10.01
$\theta(45^\circ)$	-20.43	-10.44	-2.25	0.62	0.95	-2.45	0.24	-1.67	-4.39	-9.02	-5.38	-2.86	-4.14	-9.10	-12.90	-13.04	-14.84	-17.32	-13.91	-18.77	-14.32	-14.05	-21.16	-19.29	-20.43
$\theta(60^\circ)$	-6.44	-3.97	-1.22	-1.73	2.34	3.27	1.75	-1.22	-3.95	-1.98	-4.67	-2.60	-2.05	-6.90	-12.48	-8.74	-11.59	-20.82	-15.69	-16.21	-31.37	-13.48	-12.13	-20.06	-6.44
$\theta(75^\circ)$	-3.36	-0.67	1.15	1.31	[3.97]	3.19	2.32	0.79	-2.44	-2.26	-3.79	-4.45	-3.24	-5.17	-8.44	-10.10	-12.09	-8.65	-10.74	-13.83	-14.76	-9.29	-18.37	-14.80	-3.36
$\theta(90^\circ)$	-6.94	-11.01	-2.72	-1.12	1.24	2.69	3.25	1.98	1.82	-1.33	-1.18	-2.52	-5.81	-8.97	-7.90	-14.51	-26.62	-13.91	-11.74	-11.91	-24.51	-7.47	-16.44	-12.31	-6.94
$\theta(105^\circ)$	-7.86	-11.58	-4.23	1.94	1.60	-1.47	-0.09	1.52	3.27	-1.15	-7.22	-9.34	-11.41	-11.72	-14.69	-11.29	-15.48	-26.29	-23.77	-14.74	-11.31	-9.36	-9.41	-11.52	-7.86
$\theta(120^\circ)$	-21.09	-23.05	-28.73	-11.17	-1.70	0.66	-5.70	-0.96	1.67	0.83	-4.40	-8.43	-6.36	-8.81	-12.59	-13.46	-15.88	-19.61	-17.80	-15.41	-19.86	-12.09	-18.40	-13.08	-21.09
$\theta(135^\circ)$	-13.57	-12.29	-7.61	-6.40	-8.83	-6.19	-3.32	-1.43	-0.10	-1.45	-4.87	-8.80	-6.10	-10.82	-13.28	-19.54	-10.90	-8.44	-19.90	-20.77	-12.08	-20.04	-12.91	-13.92	-13.57
$\theta(150^\circ)$	-39.89	-13.98	-9.01	-8.88	-19.61	-8.51	-6.28	-4.13	-2.95	-2.87	-5.04	-9.27	-12.97	-24.64	-11.20	-9.42	-6.21	-15.61	-11.35	-17.97	-14.29	-13.39	-15.99	-12.23	-39.89
$\theta(165^\circ)$	-24.42	-17.69	-14.35	-14.65	-14.70	-12.56	-10.84	-9.47	-9.60	-11.21	-13.96	-19.57	-32.31	-15.47	-12.19	-12.21	-12.46	-8.31	-7.34	-9.94	-12.14	-14.81	-18.51	-17.13	-24.42
$\theta(180^\circ)$	-14.38	-14.05	-14.66	-15.38	-16.17	-14.84	-13.30	-12.33	-11.58	-12.33	-14.65	-15.93	-18.13	-20.34	-22.71	-27.64	-27.86	-23.02	-21.12	-20.80	-19.33	-17.93	-16.35	-14.90	-14.38
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-10.93	-11.66	-13.08	-14.37	-15.71	-17.79	-17.89	-17.07	-16.64	-15.32	-13.23	-12.04	-11.75	-11.32	-11.30	-12.58	-14.50	-16.06	-16.43	-15.05	-13.31	-12.37	-11.51	-10.33	-10.93
$\theta(15^\circ)$	-12.08	-10.05	-10.53	-11.97	-17.39	-29.16	-15.00	-12.90	-16.28	-21.84	-16.87	-15.40	-20.25	-16.97	-14.83	-12.03	-8.41	-8.11	-10.61	-15.71	-21.08	-24.48	-20.30	-15.64	-12.08
$\theta(30^\circ)$	-4.99	-2.88	-3.51	-6.60	-9.39	-15.60	-17.04	-12.70	-11.47	-14.08	-20.01	-10.46	-8.12	-9.98	-18.55	-16.70	-24.60	-15.56	-19.63	-13.38	-19.46	-14.06	-15.48	-13.90	-4.99
$\theta(45^\circ)$	-5.05	-3.40	[-0.80]	-1.44	-7.89	-19.97	-17.08	-8.50	-24.21	-16.14	-18.92	-15.30	-12.65	-16.53	-13.53	-15.75	-15.08	-14.87	-14.40	-30.97	-22.92	-14.40	-9.81	-7.62	-5.05
$\theta(60^\circ)$	-6.87	-3.99	-8.53	-14.10	-8.45	-14.04	-10.62	-17.89	-6.94	-3.52	-3.43	-6.35	-8.91	-7.11	-5.76	-20.71	-11.99	-16.82	-18.76	-20.89	-21.41	-21.45	-19.37	-9.21	-6.87
$\theta(75^\circ)$	-11.53	-8.64	-8.48	-14.35	-15.73	-18.30	-14.33	-16.91	-9.33	-7.72	-11.66	-13.98	-9.65	-12.75	-7.15	-14.83	-20.74	-14.96	-21.34	-17.13	-14.27	-15.47	-23.72	-16.54	-11.53
$\theta(90^\circ)$	-7.86	-7.87	-7.07	-7.93	-9.58	-7.67	-17.32	-4.98	-3.22	-13.85	-7.64	-8.10	-8.44	-11.13	-9.34	-13.06	-24.85	-19.87	-11.93	-15.51	-18.44	-12.58	-15.62	-13.23	-7.86
$\theta(105^\circ)$	-9.99	-5.68	-5.40	-7.82	-6.63	-19.55	-8.10	-4.46	-3.24	-9.71	-17.25	-12.33	-16.48	-13.40	-12.41	-22.62	-13.22	-16.25	-14.12	-10.00	-15.57	-16.48	-21.53	-15.55	-9.99
$\theta(120^\circ)$	-14.88	-12.95	-27.18	-20.45	-16.97	-15.76	-7.92	-4.35	-1.81	-6.67	-2.96	-5.50	-8.60	-16.59	-13.88	-14.97	-24.27	-11.95	-7.88	-22.25	-17.73	-15.92	-15.03	-11.28	-14.88
$\theta(135^\circ)$	-16.88	-12.54	-6.50	-11.16	-7.82	-33.44	-11.47	-5.30	-1.22	-4.12	-6.68	-5.55	-5.72	-12.73	-15.67	-17.45	-18.30	-11.19	-18.04	-13.02	-25.76	-20.36	-10.60	-10.11	-16.88
$\theta(150^\circ)$	-5.34	-6.52	-9.41	-20.30	-16.73	-19.68	-9.92	-8.84	-11.55	-15.01	-8.66	-7.55	-6.55	-4.80	-5.76	-8.48	-9.77	-24.67	-12.61	-9.95	-17.56	-13.54	-8.40	-6.38	-5.34
$\theta(165^\circ)$	-9.07	-9.01	-9.88	-13.94	-21.35	-18.82	-13.34	-9.52	-7.48	-6.18	-5.74	-5.81	-5.51	-6.20	-7.76	-10.04	-14.97	-18.08	-15.53	-15.93	-17.60	-11.02	-8.86	-8.85	-9.07
$\theta(180^\circ)$	-19.79	-17.95	-14.89	-13.20	-12.72	-12.74	-14.25	-16.27	-19.17	-18.41	-16.25	-15.02	-14.69	-14.57	-14.07	-13.56	-13.26	-14.13	-16.06	-17.73	-18.14	-22.39	-28.00	-30.03	-19.79

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°)	-18.68	-14.52	-11.35	-10.15	-9.28	-9.13	-9.64	-10.55	-12.09	-13.71	-16.92	-24.39	-27.28	-21.15	-14.31	-11.31	-10.12	-9.47	-9.07	-9.74	-11.60	-14.45	-18.81	-28.41	-18.68
θ (15°)	-7.95	-9.14	-12.58	-19.89	-30.20	-18.34	-14.10	-12.89	-13.27	-15.97	-16.14	-11.96	-9.14	-8.89	-10.47	-12.63	-16.89	-12.27	-10.40	-11.35	-11.07	-9.70	-8.74	-7.89	-7.95
θ (30°)	-10.21	-9.14	-8.11	-6.63	-7.73	-6.36	-6.36	-4.68	-6.19	-11.25	-10.81	-9.77	-12.70	-26.69	-15.62	-19.63	-14.98	-16.85	-8.44	-13.04	-15.81	-14.53	-11.31	-11.39	-10.21
θ (45°)	-18.11	-9.21	-0.98	0.83	-0.23	-1.59	-0.10	-0.91	-5.03	-10.64	-5.48	-2.93	-5.18	-10.92	-13.38	-12.77	-11.63	-16.51	-12.70	-27.68	-15.91	-11.72	-16.61	-15.98	-18.11
θ (60°)	-6.69	-3.96	-1.85	-1.13	1.78	2.33	2.49	-3.12	-4.02	-2.31	-5.09	-3.34	-3.10	-8.44	-9.92	-7.52	-14.04	-22.69	-19.60	-25.35	-29.24	-12.80	-14.07	-22.26	-6.69
θ (75°)	-3.14	-0.88	0.74	1.40	3.45	2.66	1.39	-0.05	-2.35	-1.25	-3.76	-5.72	-4.23	-6.01	-7.72	-8.40	-13.48	-9.57	-13.22	-13.04	-14.63	-9.91	-20.13	-15.80	-3.14
θ (90°)	-7.34	-12.12	-3.70	-0.65	1.27	2.55	2.35	2.16	1.59	-1.39	-0.70	-1.43	-6.44	-8.07	-12.43	-12.54	-22.16	-15.00	-13.40	-11.65	-29.12	-9.05	-16.65	-9.95	-7.34
θ (105°)	-8.92	-11.51	-5.49	1.76	0.94	-2.70	0.17	2.20	[3.47]	-1.54	-9.48	-11.02	-12.81	-9.66	-15.50	-10.32	-16.37	-24.90	-26.23	-13.56	-11.50	-10.86	-8.89	-10.76	-8.92
θ (120°)	-18.11	-18.71	-26.82	-10.36	-1.13	-0.07	-6.66	-1.08	1.60	0.96	-4.62	-8.97	-7.02	-8.06	-12.71	-12.46	-20.18	-20.24	-19.06	-11.76	-29.71	-12.36	-20.39	-12.83	-18.11
θ (135°)	-14.08	-14.49	-7.98	-6.97	-8.93	-4.88	-2.80	-0.89	0.78	-0.75	-4.43	-9.76	-7.26	-10.63	-13.94	-17.73	-10.28	-8.56	-17.47	-24.83	-11.25	-26.56	-12.97	-14.63	-14.08
θ (150°)	-21.92	-11.73	-7.92	-7.93	-12.37	-6.71	-3.76	-2.55	-2.74	-2.83	-4.87	-9.72	-16.28	-23.21	-10.76	-7.60	-4.56	-11.15	-12.37	-25.60	-9.76	-13.04	-13.94	-13.46	-21.92
θ (165°)	-19.49	-14.37	-11.48	-11.31	-11.43	-10.34	-8.40	-6.58	-6.29	-7.81	-11.07	-14.71	-25.36	-16.20	-10.88	-10.07	-9.54	-7.62	-7.73	-10.33	-10.99	-13.42	-18.59	-17.67	-19.49
θ (180°)	-14.28	-13.72	-14.77	-16.33	-18.29	-17.48	-15.33	-13.98	-12.84	-12.58	-13.79	-15.01	-16.69	-17.69	-19.77	-21.86	-26.58	-31.36	-29.67	-27.43	-23.78	-21.40	-19.39	-16.89	-14.28
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.52	-9.61	-11.15	-13.42	-17.23	-22.44	-22.71	-18.29	-15.72	-13.41	-11.81	-10.68	-10.36	-10.09	-11.31	-12.14	-14.89	-19.64	-19.32	-14.30	-11.21	-10.09	-8.91	-7.91	-8.52
θ (15°)	-15.41	-14.01	-14.68	-16.93	-20.35	-20.19	-15.29	-15.33	-20.77	-17.13	-14.19	-16.53	-23.07	-13.79	-9.51	-9.07	-8.32	-8.30	-11.12	-17.29	-20.01	-18.65	-18.29	-17.70	-15.41
θ (30°)	-4.66	-3.27	-4.40	-8.44	-12.46	-17.82	-14.64	-11.64	-11.04	-14.11	-24.63	-12.39	-8.80	-9.68	-22.41	-12.36	-14.54	-12.36	-16.44	-13.84	-15.27	-15.91	-12.58	-12.44	-4.66
θ (45°)	-6.69	-3.53	[-0.19]	-1.33	-11.25	-16.24	-11.64	-10.76	-25.41	-24.51	-23.44	-9.86	-7.79	-13.06	-12.21	-14.35	-16.65	-14.36	-16.25	-27.52	-21.62	-16.96	-10.63	-8.29	-6.69
θ (60°)	-6.64	-3.79	-9.85	-9.54	-8.15	-13.24	-9.66	-17.54	-5.88	-4.31	-5.06	-7.35	-9.22	-9.64	-6.25	-13.90	-16.59	-14.50	-17.82	-25.98	-19.20	-23.74	-19.35	-9.40	-6.64
θ (75°)	-10.59	-7.80	-6.55	-13.49	-12.75	-23.96	-13.80	-15.59	-10.42	-8.62	-6.84	-10.04	-8.17	-9.47	-8.64	-15.10	-18.03	-13.33	-20.51	-14.24	-14.36	-15.60	-29.17	-14.20	-10.59
θ (90°)	-6.74	-8.12	-8.24	-10.51	-11.32	-9.67	-19.88	-8.45	-5.24	-13.53	-8.17	-7.66	-7.85	-10.03	-8.88	-11.49	-28.38	-15.73	-13.99	-14.54	-18.79	-10.15	-18.19	-9.65	-6.74
θ (105°)	-9.76	-5.59	-5.89	-10.74	-7.09	-15.35	-10.26	-5.24	-5.20	-14.02	-16.36	-10.26	-15.59	-17.99	-12.63	-18.82	-14.72	-12.91	-13.27	-9.42	-17.43	-13.96	-20.65	-15.97	-9.76
θ (120°)	-13.49	-10.98	-20.56	-26.37	-17.39	-17.12	-9.93	-6.51	-3.87	-6.27	-2.99	-5.47	-7.84	-15.34	-15.22	-14.37	-20.65	-11.52	-8.15	-25.00	-13.74	-15.12	-15.25	-10.08	-13.49
θ (135°)	-29.67	-12.97	-6.49	-14.95	-6.53	-19.76	-15.76	-3.53	-2.32	-6.39	-5.66	-5.74	-5.34	-11.60	-12.31	-25.26	-12.80	-13.83	-23.49	-12.00	-21.95	-19.07	-10.09	-12.16	-29.67
θ (150°)	-6.14	-8.03	-11.49	-25.15	-20.85	-17.21	-11.91	-13.91	-18.60	-18.08	-9.23	-7.65	-7.63	-6.12	-5.55	-7.40	-9.60	-27.39	-12.11	-10.34	-20.12	-11.17	-8.60	-6.33	-6.14
θ (165°)	-6.76	-6.59	-8.02	-11.50	-18.65	-17.63	-12.39	-8.67	-6.12	-4.78	-4.44	-4.63	-4.60	-4.86	-7.66	-12.48	-15.39	-15.77	-13.66	-14.58	-13.05	-7.63	-6.60	-6.99	-6.76
θ (180°)	-29.45	-23.18	-18.23	-14.69	-13.14	-12.82	-13.83	-15.84	-19.56	-22.15	-20.99	-17.52	-15.37	-14.82	-15.17	-14.77	-14.52	-14.96	-15.19	-16.27	-16.75	-19.67	-23.28	-24.62	-29.45

Ant.	No.1																								
Freq. (MHz)	5250																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-18.66	-14.29	-11.62	-9.96	-9.24	-9.36	-9.89	-10.45	-11.57	-13.23	-14.62	-17.67	-25.81	-23.15	-16.18	-12.30	-10.05	-9.21	-9.10	-9.68	-11.58	-14.39	-19.83	-43.43	-18.66
$\theta(15^\circ)$	-8.52	-8.68	-11.19	-15.03	-19.01	-13.75	-9.33	-8.16	-9.42	-11.39	-12.20	-10.48	-8.33	-8.08	-9.98	-11.52	-16.26	-13.76	-10.15	-9.99	-10.21	-10.29	-9.89	-9.01	-8.52
$\theta(30^\circ)$	-8.88	-7.73	-5.92	-3.98	-4.07	-5.06	-7.19	-4.36	-6.11	-8.95	-8.26	-9.01	-14.23	-29.32	-15.14	-19.85	-14.85	-14.69	-7.37	-10.78	-13.58	-11.86	-10.34	-9.68	-8.88
$\theta(45^\circ)$	-16.07	-7.73	-0.49	0.67	0.05	-0.64	0.00	0.45	-5.15	-8.51	-4.72	-2.62	-5.39	-10.90	-9.98	-12.53	-10.56	-16.39	-11.40	-17.89	-13.26	-11.52	-14.08	-14.42	-16.07
$\theta(60^\circ)$	-6.77	-5.27	-1.78	-1.16	0.34	2.69	2.37	-2.48	-4.12	-1.77	-6.09	-4.74	-4.66	-11.19	-9.38	-6.19	-11.94	-30.93	-20.10	-20.01	-30.55	-10.95	-14.31	-21.71	-6.77
$\theta(75^\circ)$	-4.21	-1.77	0.42	0.84	3.19	2.34	1.68	-0.50	-1.78	-1.49	-5.73	-8.82	-5.22	-7.30	-9.95	-7.85	-14.77	-8.39	-12.77	-14.53	-13.81	-10.86	-19.75	-16.33	-4.21
$\theta(90^\circ)$	-8.74	-12.44	-4.35	-0.50	0.39	2.69	1.65	2.61	1.90	-0.82	-0.37	-0.80	-5.44	-7.21	-12.42	-14.59	-17.29	-16.96	-14.74	-14.39	-28.15	-9.29	-18.44	-9.62	-8.74
$\theta(105^\circ)$	-10.16	-11.95	-6.11	1.67	0.41	-3.33	0.78	3.24	[3.50]	-2.30	-12.27	-10.67	-13.17	-9.37	-14.38	-12.07	-13.78	-18.15	-31.15	-13.52	-11.97	-10.33	-8.87	-10.84	-10.16
$\theta(120^\circ)$	-16.60	-19.45	-22.04	-8.41	-0.89	-0.35	-6.19	-1.09	1.81	1.29	-4.34	-9.58	-7.86	-8.06	-14.16	-12.05	-25.96	-18.61	-16.38	-10.74	-21.07	-12.43	-17.76	-13.90	-16.60
$\theta(135^\circ)$	-15.93	-17.29	-8.43	-8.23	-8.00	-4.66	-2.97	-0.74	1.30	-0.24	-4.52	-11.40	-9.50	-12.10	-14.28	-15.02	-10.32	-9.08	-17.81	-17.52	-11.34	-24.71	-13.84	-16.09	-15.93
$\theta(150^\circ)$	-17.98	-10.73	-8.07	-7.65	-11.27	-6.77	-3.14	-2.24	-2.81	-2.51	-4.31	-9.34	-16.02	-21.75	-12.00	-7.94	-3.50	-8.92	-14.67	-23.04	-7.43	-11.62	-12.20	-12.72	-17.98
$\theta(165^\circ)$	-18.42	-14.71	-11.77	-11.27	-10.68	-9.01	-7.03	-5.46	-5.26	-6.28	-8.68	-12.11	-20.54	-18.34	-9.94	-8.51	-8.92	-9.11	-10.14	-12.19	-11.40	-13.52	-17.09	-15.43	-18.42
$\theta(180^\circ)$	-14.12	-13.81	-14.69	-17.20	-19.43	-17.92	-15.22	-13.03	-12.60	-12.33	-13.22	-14.12	-16.36	-17.80	-19.29	-22.52	-27.13	-33.46	-26.83	-24.99	-21.78	-20.21	-19.21	-16.64	-14.12
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-8.10	-9.54	-11.34	-14.12	-19.51	-28.74	-27.39	-19.21	-16.42	-13.65	-11.86	-11.57	-10.74	-9.64	-10.06	-12.21	-15.12	-22.22	-23.55	-15.07	-11.41	-10.01	-8.48	-8.06	-8.10
$\theta(15^\circ)$	-20.42	-21.05	-20.91	-20.11	-20.72	-21.90	-19.27	-18.84	-22.39	-17.68	-14.06	-15.51	-48.66	-12.00	-7.36	-7.15	-7.32	-8.29	-11.42	-17.03	-16.43	-14.90	-15.26	-16.62	-20.42
$\theta(30^\circ)$	-4.92	-4.48	-6.95	-12.69	-13.64	-16.80	-15.96	-14.97	-10.92	-12.91	-28.21	-11.42	-9.25	-10.62	-21.84	-10.42	-10.32	-10.69	-13.26	-16.04	-12.73	-18.99	-11.44	-11.23	-4.92
$\theta(45^\circ)$	-8.43	-4.35	[-0.91]	-2.42	-11.88	-17.86	-10.89	-13.74	-21.69	-23.15	-12.19	-6.68	-5.64	-10.13	-11.31	-12.63	-17.16	-14.32	-18.97	-21.25	-21.50	-16.59	-10.01	-8.70	-8.43
$\theta(60^\circ)$	-8.28	-5.43	-11.66	-6.93	-8.50	-10.70	-10.40	-18.88	-5.08	-5.60	-6.58	-9.53	-9.99	-10.63	-7.96	-11.84	-19.88	-16.54	-21.00	-41.53	-15.40	-23.05	-16.18	-10.32	-8.28
$\theta(75^\circ)$	-12.30	-6.99	-5.69	-16.69	-11.83	-28.50	-13.13	-11.40	-14.28	-8.41	-4.05	-8.16	-8.23	-8.84	-9.65	-19.70	-17.23	-12.25	-27.21	-13.02	-16.70	-15.48	-18.43	-12.96	-12.30
$\theta(90^\circ)$	-7.07	-8.78	-9.38	-13.01	-13.04	-9.30	-18.81	-11.14	-7.06	-12.90	-6.20	-6.29	-7.48	-8.56	-8.74	-11.21	-25.64	-13.26	-15.34	-12.38	-19.67	-9.23	-18.26	-7.79	-7.07
$\theta(105^\circ)$	-10.46	-6.21	-6.78	-12.82	-8.32	-11.98	-12.52	-4.73	-7.54	-27.84	-16.44	-9.33	-13.69	-25.28	-12.26	-15.08	-12.72	-12.86	-12.35	-9.86	-18.89	-12.39	-20.38	-16.16	-10.46
$\theta(120^\circ)$	-14.09	-9.69	-17.82	-27.39	-19.52	-18.59	-10.49	-7.91	-5.55	-6.02	-3.85	-5.24	-5.74	-12.54	-18.59	-15.98	-16.45	-12.61	-8.33	-20.56	-11.89	-13.84	-13.41	-10.74	-14.09
$\theta(135^\circ)$	-18.70	-10.54	-5.94	-15.46	-7.17	-15.15	-11.76	-2.68	-3.08	-6.88	-4.38	-5.30	-5.47	-10.86	-11.28	-30.22	-11.01	-17.54	-19.08	-11.03	-22.45	-16.80	-11.24	-14.79	-18.70
$\theta(150^\circ)$	-6.77	-9.85	-14.72	-20.89	-24.01	-14.41	-13.95	-21.27	-22.10	-16.56	-10.21	-8.82	-8.93	-7.09	-6.40	-7.03	-9.34	-28.85	-12.43	-11.90	-21.94	-10.19	-9.49	-6.56	-6.77
$\theta(165^\circ)$	-6.64	-6.43	-8.24	-12.42	-21.35	-16.44	-11.15	-8.21	-6.39	-5.62	-5.05	-4.14	-3.85	-3.76	-5.39	-10.66	-13.44	-12.98	-12.90	-14.17	-12.09	-7.22	-6.13	-6.88	-6.64
$\theta(180^\circ)$	-27.72	-19.79	-16.10	-13.34	-11.85	-12.06	-13.36	-15.84	-20.21	-24.59	-18.92	-15.62	-14.48	-14.06	-14.22	-14.31	-13.64	-13.60	-14.13	-15.60	-17.74	-20.63	-25.38	-27.58	-27.72

Ant.	No.1																								
Freq. (MHz)	5250																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-18.66	-14.29	-11.62	-9.96	-9.24	-9.36	-9.89	-10.45	-11.57	-13.23	-14.62	-17.67	-25.81	-23.15	-16.18	-12.30	-10.05	-9.21	-9.10	-9.68	-11.58	-14.39	-19.83	-43.43	-18.66
$\theta(15^\circ)$	-8.52	-8.68	-11.19	-15.03	-19.01	-13.75	-9.33	-8.16	-9.42	-11.39	-12.20	-10.48	-8.33	-8.08	-9.98	-11.52	-16.26	-13.76	-10.15	-9.99	-10.21	-10.29	-9.89	-9.01	-8.52
$\theta(30^\circ)$	-8.88	-7.73	-5.92	-3.98	-4.07	-5.06	-7.19	-4.36	-6.11	-8.95	-8.26	-9.01	-14.23	-29.32	-15.14	-19.85	-14.85	-14.69	-7.37	-10.78	-13.58	-11.86	-10.34	-9.68	-8.88
$\theta(45^\circ)$	-16.07	-7.73	-0.49	0.67	0.05	-0.64	0.00	0.45	-5.15	-8.51	-4.72	-2.62	-5.39	-10.90	-9.98	-12.53	-10.56	-16.39	-11.40	-17.89	-13.26	-11.52	-14.08	-14.42	-16.07
$\theta(60^\circ)$	-6.77	-5.27	-1.78	-1.16	0.34	2.69	2.37	-2.48	-4.12	-1.77	-6.09	-4.74	-4.66	-11.19	-9.38	-6.19	-11.94	-30.93	-20.10	-20.01	-30.55	-10.95	-14.31	-21.71	-6.77
$\theta(75^\circ)$	-4.21	-1.77	0.42	0.84	3.19	2.34	1.68	-0.50	-1.78	-1.49	-5.73	-8.82	-5.22	-7.30	-9.95	-7.85	-14.77	-8.39	-12.77	-14.53	-13.81	-10.86	-19.75	-16.33	-4.21
$\theta(90^\circ)$	-8.74	-12.44	-4.35	-0.50	0.39	2.69	1.65	2.61	1.90	-0.82	-0.37	-0.80	-5.44	-7.21	-12.42	-14.59	-17.29	-16.96	-14.74	-14.39	-28.15	-9.29	-18.44	-9.62	-8.74
$\theta(105^\circ)$	-10.16	-11.95	-6.11	1.67	0.41	-3.33	0.78	3.24	[3.50]	-2.30	-12.27	-10.67	-13.17	-9.37	-14.38	-12.07	-13.78	-18.15	-31.15	-13.52	-11.97	-10.33	-8.87	-10.84	-10.16
$\theta(120^\circ)$	-16.60	-19.45	-22.04	-8.41	-0.89	-0.35	-6.19	-1.09	1.81	1.29	-4.34	-9.58	-7.86	-8.06	-14.16	-12.05	-25.96	-18.61	-16.38	-10.74	-21.07	-12.43	-17.76	-13.90	-16.60
$\theta(135^\circ)$	-15.93	-17.29	-8.43	-8.23	-8.00	-4.66	-2.97	-0.74	1.30	-0.24	-4.52	-11.40	-9.50	-12.10	-14.28	-15.02	-10.32	-9.08	-17.81	-17.52	-11.34	-24.71	-13.84	-16.09	-15.93
$\theta(150^\circ)$	-17.98	-10.73	-8.07	-7.65	-11.27	-6.77	-3.14	-2.24	-2.81	-2.51	-4.31	-9.34	-16.02	-21.75	-12.00	-7.94	-3.50	-8.92	-14.67	-23.04	-7.43	-11.62	-12.20	-12.72	-17.98
$\theta(165^\circ)$	-18.42	-14.71	-11.77	-11.27	-10.68	-9.01	-7.03	-5.46	-5.26	-6.28	-8.68	-12.11	-20.54	-18.34	-9.94	-8.51	-8.92	-9.11	-10.14	-12.19	-11.40	-13.52	-17.09	-15.43	-18.42
$\theta(180^\circ)$	-14.12	-13.81	-14.69	-17.20	-19.43	-17.92	-15.22	-13.03	-12.60	-12.33	-13.22	-14.12	-16.36	-17.80	-19.29	-22.52	-27.13	-33.46	-26.83	-24.99	-21.78	-20.21	-19.21	-16.64	-14.12
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-8.10	-9.54	-11.34	-14.12	-19.51	-28.74	-27.39	-19.21	-16.42	-13.65	-11.86	-11.57	-10.74	-9.64	-10.06	-12.21	-15.12	-22.22	-23.55	-15.07	-11.41	-10.01	-8.48	-8.06	-8.10
$\theta(15^\circ)$	-20.42	-21.05	-20.91	-20.11	-20.72	-21.90	-19.27	-18.84	-22.39	-17.68	-14.06	-15.51	-48.66	-12.00	-7.36	-7.15	-7.32	-8.29	-11.42	-17.03	-16.43	-14.90	-15.26	-16.62	-20.42
$\theta(30^\circ)$	-4.92	-4.48	-6.95	-12.69	-13.64	-16.80	-15.96	-14.97	-10.92	-12.91	-28.21	-11.42	-9.25	-10.62	-21.84	-10.42	-10.32	-10.69	-13.26	-16.04	-12.73	-18.99	-11.44	-11.23	-4.92
$\theta(45^\circ)$	-8.43	-4.35	[-0.91]	-2.42	-11.88	-17.86	-10.89	-13.74	-21.69	-23.15	-12.19	-6.68	-5.64	-10.13	-11.31	-12.63	-17.16	-14.32	-18.97	-21.25	-21.50	-16.59	-10.01	-8.70	-8.43
$\theta(60^\circ)$	-8.28	-5.43	-11.66	-6.93	-8.50	-10.70	-10.40	-18.88	-5.08	-5.60	-6.58	-9.53	-9.99	-10.63	-7.96	-11.84	-19.88	-16.54	-21.00	-41.53	-15.40	-23.05	-16.18	-10.32	-8.28
$\theta(75^\circ)$	-12.30	-6.99	-5.69	-16.69	-11.83	-28.50	-13.13	-11.40	-14.28	-8.41	-4.05	-8.16	-8.23	-8.84	-9.65	-19.70	-17.23	-12.25	-27.21	-13.02	-16.70	-15.48	-18.43	-12.96	-12.30
$\theta(90^\circ)$	-7.07	-8.78	-9.38	-13.01	-13.04	-9.30	-18.81	-11.14	-7.06	-12.90	-6.20	-6.29	-7.48	-8.56	-8.74	-11.21	-25.64	-13.26	-15.34	-12.38	-19.67	-9.23	-18.26	-7.79	-7.07
$\theta(105^\circ)$	-10.46	-6.21	-6.78	-12.82	-8.32	-11.98	-12.52	-4.73	-7.54	-27.84	-16.44	-9.33	-13.69	-25.28	-12.26	-15.08	-12.72	-12.86	-12.35	-9.86	-18.89	-12.39	-20.38	-16.16	-10.46
$\theta(120^\circ)$	-14.09	-9.69	-17.82	-27.39	-19.52	-18.59	-10.49	-7.91	-5.55	-6.02	-3.85	-5.24	-5.74	-12.54	-18.59	-15.98	-16.45	-12.61	-8.33	-20.56	-11.89	-13.84	-13.41	-10.74	-14.09
$\theta(135^\circ)$	-18.70	-10.54	-5.94	-15.46	-7.17	-15.15	-11.76	-2.68	-3.08	-6.88	-4.38	-5.30	-5.47	-10.86	-11.28	-30.22	-11.01	-17.54	-19.08	-11.03	-22.45	-16.80	-11.24	-14.79	-18.70
$\theta(150^\circ)$	-6.77	-9.85	-14.72	-20.89	-24.01	-14.41	-13.95	-21.27	-22.10	-16.56	-10.21	-8.82	-8.93	-7.09	-6.40	-7.03	-9.34	-28.85	-12.43	-11.90	-21.94	-10.19	-9.49	-6.56	-6.77
$\theta(165^\circ)$	-6.64	-6.43	-8.24	-12.42	-21.35	-16.44	-11.15	-8.21	-6.39	-5.62	-5.05	-4.14	-3.85	-3.76	-5.39	-10.66	-13.44	-12.98	-12.90	-14.17	-12.09	-7.22	-6.13	-6.88	-6.64
$\theta(180^\circ)$	-27.72	-19.79	-16.10	-13.34	-11.85	-12.06	-13.36	-15.84	-20.21	-24.59	-18.92	-15.62	-14.48	-14.06	-14.22	-14.31	-13.64	-13.60	-14.13	-15.60	-17.74	-20.63	-25.38	-27.58	-27.72

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°)	-19.59	-14.81	-11.92	-10.09	-9.09	-8.69	-8.63	-9.09	-9.79	-11.18	-13.30	-15.41	-21.55	-27.95	-17.69	-13.41	-10.57	-9.19	-8.75	-9.42	-10.64	-13.17	-18.15	-30.20	-19.59
θ (15°)	-10.19	-9.83	-11.38	-13.39	-13.99	-9.48	-5.75	-5.04	-6.64	-9.05	-10.57	-9.92	-8.31	-7.81	-9.85	-13.71	-18.47	-16.05	-11.09	-10.45	-11.62	-13.50	-13.25	-12.16	-10.19
θ (30°)	-8.88	-7.20	-4.51	-2.47	-2.89	-4.86	-6.14	-4.83	-7.30	-8.44	-6.96	-8.75	-14.69	-34.69	-14.15	-32.82	-16.63	-13.19	-8.21	-11.28	-15.25	-14.86	-12.54	-10.00	-8.88
θ (45°)	-18.38	-7.90	-0.86	0.90	0.45	-0.99	0.38	0.58	-4.23	-5.40	-4.16	-2.63	-5.12	-11.20	-9.56	-12.10	-10.33	-15.73	-10.87	-14.59	-12.75	-12.77	-14.41	-15.87	-18.38
θ (60°)	-7.85	-7.47	-2.14	-2.52	-0.59	2.43	2.10	-2.03	-3.39	-2.89	-9.09	-4.71	-4.32	-9.66	-7.74	-5.82	-11.19	-32.70	-16.88	-13.81	-28.79	-11.53	-17.40	-22.55	-7.85
θ (75°)	-5.52	-1.89	-0.31	0.60	3.21	1.43	2.26	-1.13	-1.02	-0.57	-5.97	-9.06	-6.56	-7.39	-12.17	-8.79	-11.61	-7.36	-11.00	-19.05	-13.67	-12.46	-20.01	-15.47	-5.52
θ (90°)	-10.37	-11.47	-3.51	-0.36	-0.49	2.44	1.59	2.27	1.94	-1.27	-0.82	-1.49	-4.17	-6.40	-10.41	-16.54	-16.41	-18.71	-15.21	-19.51	-20.74	-9.49	-17.68	-10.36	-10.37
θ (105°)	-11.77	-13.39	-5.19	1.56	0.19	-2.85	0.90	3.32	[3.35]	-2.57	-14.38	-11.61	-12.11	-8.63	-13.00	-13.96	-13.26	-14.92	-27.90	-13.72	-12.80	-10.06	-9.05	-13.70	-11.77
θ (120°)	-16.65	-17.76	-17.61	-7.53	-1.14	-1.42	-6.70	-1.79	2.25	1.44	-4.52	-9.99	-9.51	-9.63	-12.29	-14.61	-16.54	-13.92	-16.88	-11.00	-16.58	-11.14	-18.32	-14.57	-16.65
θ (135°)	-18.76	-18.54	-10.05	-8.52	-6.20	-4.62	-3.68	-0.51	1.43	-0.22	-4.71	-12.71	-11.28	-12.81	-17.36	-13.94	-10.98	-9.73	-18.93	-13.70	-12.49	-19.15	-15.00	-18.96	-18.76
θ (150°)	-18.01	-11.11	-8.88	-7.51	-10.98	-5.77	-3.37	-3.18	-3.79	-3.00	-4.01	-7.40	-11.53	-19.58	-13.75	-10.57	-3.67	-8.82	-17.73	-18.41	-7.69	-10.81	-12.02	-12.39	-18.01
θ (165°)	-19.86	-15.56	-11.46	-10.72	-9.60	-7.77	-6.18	-5.84	-6.50	-7.63	-9.90	-13.12	-19.88	-16.57	-9.96	-7.91	-9.17	-10.95	-12.85	-15.69	-16.39	-19.49	-16.74	-14.08	-19.86
θ (180°)	-13.81	-13.71	-15.01	-18.39	-20.25	-17.07	-14.17	-12.52	-11.83	-12.37	-13.13	-13.17	-15.05	-17.57	-18.62	-21.38	-25.56	-25.62	-20.82	-19.44	-17.79	-16.67	-17.06	-15.29	-13.81
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-7.92	-8.68	-10.04	-12.70	-16.61	-21.93	-27.15	-21.09	-17.52	-14.24	-12.05	-10.66	-10.74	-10.99	-10.34	-11.87	-15.51	-22.16	-27.23	-16.43	-12.03	-9.52	-8.22	-8.00	-7.92
θ (15°)	-17.38	-19.47	-19.51	-18.81	-19.92	-21.40	-26.95	-34.38	-25.47	-18.28	-15.36	-16.78	-34.26	-13.15	-6.61	-5.97	-7.04	-8.85	-11.86	-16.75	-14.54	-13.15	-15.12	-15.54	-17.38
θ (30°)	-7.31	-7.30	-10.26	-16.33	-13.81	-16.37	-20.66	-19.50	-12.26	-14.09	-24.05	-11.39	-9.54	-10.57	-18.52	-8.57	-8.00	-11.11	-12.02	-22.10	-11.96	-13.66	-9.05	-10.58	-7.31
θ (45°)	-7.99	-4.24	[-1.31]	-3.06	-10.03	-18.67	-11.26	-15.50	-16.77	-15.10	-8.94	-5.82	-5.53	-9.77	-12.19	-12.36	-23.59	-14.83	-17.18	-17.72	-18.76	-15.85	-8.91	-9.08	-7.99
θ (60°)	-10.40	-6.98	-12.16	-5.62	-7.22	-9.22	-12.87	-17.02	-5.65	-7.97	-8.81	-10.42	-8.88	-12.02	-9.81	-12.21	-19.81	-17.51	-23.66	-33.85	-15.28	-20.95	-13.69	-9.61	-10.40
θ (75°)	-16.31	-7.67	-6.71	-21.71	-12.55	-16.71	-12.90	-11.10	-12.22	-7.82	-4.01	-7.96	-7.93	-9.03	-8.70	-14.36	-19.51	-11.05	-19.82	-13.12	-18.18	-16.19	-13.55	-10.67	-16.31
θ (90°)	-9.26	-10.05	-9.28	-16.66	-15.50	-8.67	-14.55	-11.81	-8.05	-11.89	-3.95	-4.87	-6.18	-6.92	-9.11	-12.00	-20.93	-12.51	-14.70	-10.63	-21.23	-8.46	-17.63	-6.48	-9.26
θ (105°)	-11.09	-6.17	-6.61	-16.98	-9.42	-10.54	-13.18	-3.99	-7.82	-17.84	-13.74	-7.70	-11.36	-18.88	-14.84	-14.70	-12.84	-12.76	-12.48	-8.78	-20.35	-10.99	-20.43	-16.72	-11.09
θ (120°)	-12.87	-8.90	-16.88	-17.04	-15.80	-19.50	-8.42	-6.78	-5.40	-5.63	-4.47	-4.56	-4.73	-9.29	-19.91	-21.36	-15.11	-13.25	-7.56	-16.44	-11.47	-14.20	-12.44	-12.55	-12.87
θ (135°)	-14.49	-8.77	-5.92	-13.83	-8.13	-14.09	-8.26	-3.25	-4.18	-5.96	-3.98	-4.82	-5.30	-9.56	-12.76	-19.56	-11.24	-21.16	-18.23	-11.18	-27.66	-17.65	-11.94	-16.23	-14.49
θ (150°)	-5.96	-8.32	-10.24	-14.90	-21.17	-13.16	-17.14	-20.47	-14.83	-12.16	-9.75	-9.48	-10.46	-8.89	-6.77	-6.94	-8.91	-31.70	-12.28	-13.27	-17.89	-8.87	-8.68	-5.81	-5.96
θ (165°)	-7.11	-6.72	-7.87	-11.79	-22.55	-17.26	-10.51	-7.96	-7.03	-6.88	-6.27	-4.87	-3.86	-4.17	-5.70	-10.48	-13.49	-12.17	-13.32	-14.45	-11.61	-7.95	-7.08	-7.58	-7.11
θ (180°)	-24.98	-18.12	-13.87	-11.68	-10.80	-11.56	-13.01	-16.05	-22.69	-26.11	-18.50	-16.26	-14.08	-13.47	-14.37	-14.84	-13.52	-12.73	-13.30	-14.61	-16.88	-18.83	-21.77	-24.23	-24.98

Ant.	No.1																								
Freq. (MHz)	5350																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-17.56	-13.50	-11.25	-9.67	-8.68	-8.29	-8.16	-8.63	-9.45	-10.99	-13.49	-18.02	-25.61	-20.58	-15.98	-12.51	-10.08	-8.74	-9.03	-9.73	-11.08	-14.00	-20.49	-34.37	-17.56
θ (15°)	-11.89	-11.39	-12.07	-12.54	-10.82	-6.72	-3.79	-3.55	-5.32	-8.47	-11.28	-11.03	-8.91	-8.24	-9.34	-11.70	-16.96	-17.71	-12.81	-11.79	-14.22	-15.49	-13.86	-12.99	-11.89
θ (30°)	-7.92	-6.52	-3.75	-2.45	-3.20	-4.75	-5.50	-5.73	-10.80	-11.19	-7.48	-8.75	-16.36	-21.57	-12.85	-19.17	-20.96	-12.96	-10.55	-14.25	-19.08	-23.88	-17.59	-10.64	-7.92
θ (45°)	-18.24	-8.07	-1.08	0.89	-0.09	-1.55	0.13	-0.61	-4.48	-5.24	-3.50	-2.19	-4.88	-11.57	-11.16	-12.83	-10.55	-15.66	-12.02	-14.61	-13.81	-14.65	-11.92	-14.96	-18.24
θ (60°)	-8.90	-8.60	-2.56	-3.34	-0.01	1.79	1.20	-3.15	-3.20	-4.84	-11.86	-4.71	-3.00	-7.31	-6.87	-5.92	-12.39	-28.44	-14.13	-12.05	-22.28	-13.97	-21.57	-24.16	-8.90
θ (75°)	-5.36	-1.76	-0.32	1.12	3.35	0.28	2.31	-0.98	-0.82	-0.16	-6.33	-8.70	-7.61	-8.47	-12.13	-7.20	-10.39	-5.78	-11.43	-17.99	-13.17	-13.75	-19.80	-13.23	-5.36
θ (90°)	-9.81	-10.36	-2.40	-0.34	0.09	2.41	1.62	2.48	1.63	-1.42	-0.79	-2.02	-4.58	-5.79	-10.30	-13.39	-18.25	-17.74	-15.88	-22.67	-18.08	-10.11	-16.27	-10.94	-9.81
θ (105°)	-14.14	-14.92	-4.44	1.75	0.02	-1.41	1.05	3.04	[3.40]	-1.68	-9.65	-12.55	-10.19	-8.69	-10.75	-14.24	-13.88	-14.11	-23.75	-14.22	-13.93	-9.70	-9.85	-13.09	-14.14
θ (120°)	-17.73	-14.97	-16.12	-7.21	-1.09	-1.85	-8.33	-2.28	2.84	1.72	-5.13	-8.87	-9.44	-8.95	-11.37	-15.96	-12.36	-11.73	-17.46	-9.65	-15.27	-10.06	-17.67	-13.68	-17.73
θ (135°)	-16.53	-18.41	-11.53	-7.64	-4.45	-4.84	-4.92	-0.45	1.33	-0.26	-5.21	-13.03	-10.28	-11.09	-20.69	-14.24	-10.91	-9.14	-16.54	-12.93	-10.91	-16.45	-14.11	-23.04	-16.53
θ (150°)	-16.74	-10.55	-8.25	-7.00	-8.89	-4.67	-3.62	-4.27	-3.99	-2.88	-4.35	-7.36	-10.05	-17.51	-13.74	-14.76	-4.59	-8.99	-18.64	-17.82	-9.68	-11.04	-12.86	-12.27	-16.74
θ (165°)	-23.73	-14.27	-10.01	-9.36	-8.60	-7.29	-6.37	-6.38	-7.71	-9.29	-11.86	-16.89	-24.58	-14.83	-9.73	-8.59	-9.62	-11.28	-14.36	-20.68	-24.44	-31.98	-16.61	-14.03	-23.73
θ (180°)	-16.21	-16.18	-16.87	-19.08	-19.00	-16.07	-13.46	-12.22	-11.99	-13.03	-15.29	-15.07	-16.21	-18.69	-20.38	-21.10	-20.85	-19.19	-17.17	-16.72	-16.89	-17.10	-18.32	-17.86	-16.21
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-8.21	-8.21	-9.79	-12.32	-14.83	-20.68	-25.22	-21.07	-16.82	-13.86	-11.91	-10.74	-10.32	-11.13	-12.25	-14.40	-18.25	-26.66	-20.30	-14.93	-11.38	-8.64	-7.56	-7.94	-8.21
θ (15°)	-15.50	-17.89	-17.64	-18.56	-20.55	-21.89	-26.01	-30.00	-27.85	-23.67	-21.46	-22.35	-29.43	-13.58	-7.73	-6.01	-7.13	-9.68	-13.35	-16.13	-12.41	-11.01	-13.88	-16.18	-15.50
θ (30°)	-8.95	-7.36	-8.61	-14.52	-13.59	-14.38	-24.83	-36.14	-17.93	-16.30	-20.19	-12.46	-10.39	-11.45	-16.46	-9.59	-6.78	-10.47	-11.34	-37.45	-11.45	-11.58	-6.99	-8.95	-8.95
θ (45°)	-6.20	-2.69	[-0.85]	-3.08	-9.49	-21.28	-9.85	-17.86	-11.60	-10.85	-7.45	-5.29	-5.29	-10.05	-13.27	-11.11	-23.73	-16.86	-15.35	-18.10	-16.65	-13.75	-7.79	-8.97	-6.20
θ (60°)	-10.83	-7.30	-13.26	-4.53	-7.54	-9.18	-12.40	-11.75	-6.01	-7.04	-5.99	-7.67	-8.13	-9.50	-11.86	-14.37	-16.75	-21.44	-22.76	-29.92	-15.57	-14.97	-10.94	-9.05	-10.83
θ (75°)	-27.95	-7.79	-8.31	-14.66	-16.17	-13.21	-11.48	-9.94	-9.96	-6.94	-3.71	-7.25	-6.09	-8.26	-9.50	-11.60	-15.10	-11.56	-18.85	-13.49	-19.01	-20.69	-11.56	-10.20	-27.95
θ (90°)	-12.27	-9.36	-6.97	-18.88	-18.91	-8.78	-11.37	-9.79	-7.80	-10.65	-2.57	-3.87	-4.54	-4.65	-8.79	-11.15	-16.24	-11.97	-13.72	-10.35	-20.47	-8.33	-16.21	-6.05	-12.27
θ (105°)	-10.30	-5.11	-6.24	-17.34	-12.03	-10.61	-13.84	-3.81	-7.99	-11.97	-11.38	-7.80	-9.69	-12.10	-15.11	-14.34	-14.79	-12.05	-13.32	-7.95	-16.61	-10.34	-16.67	-14.63	-10.30
θ (120°)	-10.77	-8.79	-17.81	-13.79	-14.75	-20.57	-7.96	-5.82	-4.77	-6.04	-5.09	-5.17	-4.65	-8.04	-14.78	-32.48	-18.43	-14.88	-6.98	-15.59	-12.04	-18.18	-12.09	-13.46	-10.77
θ (135°)	-14.17	-8.55	-5.36	-12.51	-8.16	-14.86	-7.27	-3.67	-4.44	-4.76	-2.86	-3.39	-4.01	-7.26	-11.83	-14.75	-11.45	-16.98	-19.44	-11.13	-28.25	-19.39	-12.60	-16.88	-14.17
θ (150°)	-5.49	-7.39	-8.21	-12.38	-17.24	-13.58	-18.80	-15.36	-12.59	-9.57	-8.54	-9.34	-11.74	-9.76	-6.15	-5.61	-7.37	-28.54	-11.67	-14.88	-15.72	-8.90	-8.70	-5.23	-5.49
θ (165°)	-5.72	-5.92	-7.07	-11.52	-22.24	-18.64	-11.88	-9.11	-8.86	-9.17	-8.29	-6.66	-5.42	-4.96	-7.54	-12.62	-15.50	-13.82	-14.55	-15.00	-11.96	-8.84	-7.73	-7.14	-5.72
θ (180°)	-23.59	-19.10	-14.06	-12.22	-11.51	-12.65	-15.10	-18.23	-25.94	-21.32	-16.40	-15.82	-16.33	-15.58	-15.57	-17.50	-16.51	-15.20	-15.73	-17.28	-18.49	-20.03	-19.63	-20.96	-23.59

Ant.	No.1																								
Freq. (MHz)	5470																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-14.81	-12.14	-9.69	-8.42	-7.65	-7.36	-7.35	-7.69	-8.56	-10.00	-12.08	-14.66	-17.34	-16.20	-12.30	-9.62	-8.32	-7.97	-8.01	-8.59	-10.48	-13.44	-16.74	-18.76	-14.81
θ (15°)	-14.49	-13.88	-12.14	-9.62	-6.87	-4.09	-2.65	-2.37	-3.03	-5.04	-7.99	-10.21	-9.55	-9.06	-12.47	-21.39	-20.53	-24.49	-18.00	-14.86	-16.35	-16.63	-14.21	-13.59	-14.49
θ (30°)	-6.66	-4.65	-3.25	-3.39	-3.99	-3.76	-3.74	-7.77	-12.41	-8.97	-11.22	-16.48	-17.61	-9.36	-7.36	-9.41	-17.49	-14.98	-12.83	-19.88	-14.90	-13.29	-16.20	-10.42	-6.66
θ (45°)	-22.44	-10.07	-3.80	-0.22	-0.95	-1.87	-1.62	-4.72	-4.27	-3.02	-2.40	-3.34	-7.09	-13.14	-10.29	-11.75	-15.18	-12.54	-10.36	-17.82	-17.26	-17.09	-6.45	-8.69	-22.44
θ (60°)	-11.86	-11.03	-3.32	-3.67	1.08	0.14	-3.79	-6.96	-2.38	-7.29	-6.02	-4.00	-6.67	-9.56	-9.39	-6.71	-17.86	-17.06	-9.31	-13.40	-16.35	-16.38	-18.52	-12.58	-11.86
θ (75°)	-8.27	-2.57	-0.07	2.33	2.37	0.13	-0.82	-1.59	-0.35	-0.97	-6.17	-5.63	-7.36	-17.79	-17.68	-5.84	-14.26	-6.98	-14.68	-14.70	-18.73	-12.85	-18.09	-11.42	-8.27
θ (90°)	-14.55	-7.60	-1.68	-1.06	1.06	1.61	-0.44	[2.45]	-0.88	-2.58	-0.91	-2.66	-3.60	-8.81	-22.73	-8.39	-13.42	-20.14	-22.93	-17.51	-21.22	-16.05	-14.78	-11.69	-14.55
θ (105°)	-13.15	-15.20	-4.79	0.98	-0.41	-0.81	0.48	1.64	1.20	-1.25	-5.74	-12.70	-5.30	-7.26	-12.93	-15.63	-19.07	-16.38	-28.22	-14.19	-11.66	-12.26	-11.34	-9.39	-13.15
θ (120°)	-13.19	-10.18	-10.29	-5.07	-1.45	-4.10	-9.82	-1.78	2.36	0.75	-3.80	-8.72	-10.04	-7.66	-7.99	-7.73	-10.27	-14.14	-25.79	-9.57	-13.59	-9.28	-18.49	-12.56	-13.19
θ (135°)	-11.64	-12.59	-10.12	-5.01	-4.44	-5.88	-6.05	-1.33	0.74	-0.73	-4.38	-9.69	-9.60	-8.77	-15.18	-11.08	-11.94	-7.37	-13.71	-11.60	-6.85	-15.29	-12.47	-18.04	-11.64
θ (150°)	-14.73	-9.98	-6.80	-6.12	-6.34	-3.98	-3.38	-3.67	-1.87	-1.70	-4.92	-8.25	-7.03	-10.04	-11.57	-9.22	-7.47	-7.98	-24.66	-18.43	-11.64	-14.68	-12.60	-14.34	-14.73
θ (165°)	-19.55	-10.38	-8.35	-8.75	-8.75	-7.82	-6.50	-5.74	-5.71	-6.88	-9.63	-15.24	-27.86	-17.63	-11.07	-9.58	-10.86	-15.98	-21.21	-22.53	-23.40	-18.49	-15.32	-15.38	-19.55
θ (180°)	-15.83	-14.25	-13.06	-12.98	-13.48	-14.57	-15.10	-15.27	-16.91	-18.67	-20.48	-20.83	-19.01	-15.69	-13.17	-11.95	-12.01	-11.79	-11.79	-12.62	-14.92	-18.62	-27.72	-21.06	-15.83
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-6.58	-7.90	-9.30	-11.35	-14.54	-17.01	-18.81	-17.28	-14.36	-12.14	-11.09	-10.22	-9.10	-9.07	-10.55	-13.28	-17.52	-24.89	-16.64	-11.24	-8.69	-7.57	-6.92	-6.50	-6.58
θ (15°)	-12.36	-11.44	-12.36	-14.68	-16.76	-17.02	-18.21	-28.07	-19.59	-13.68	-13.65	-14.91	-14.20	-10.34	-7.47	-6.75	-8.60	-12.89	-19.67	-13.13	-9.34	-8.67	-9.90	-10.91	-12.36
θ (30°)	-8.38	-6.91	-8.59	-15.40	-18.43	-14.95	-14.00	-13.45	-15.04	-18.97	-20.32	-22.29	-31.22	-17.40	-21.12	-11.87	-8.17	-11.11	-13.75	-18.12	-8.38	-12.67	-7.92	-9.27	-8.38
θ (45°)	-4.46	-1.62	[-0.05]	-3.59	-12.56	-13.91	-9.86	-24.50	-14.35	-11.27	-10.45	-8.13	-7.52	-13.10	-14.06	-11.84	-12.03	-36.35	-14.95	-38.51	-14.04	-10.38	-8.02	-9.78	-4.46
θ (60°)	-8.34	-7.69	-14.99	-4.56	-10.19	-9.15	-10.10	-10.73	-8.87	-8.99	-5.66	-8.19	-11.80	-15.84	-10.51	-16.50	-22.28	-29.65	-21.24	-17.10	-15.78	-10.99	-8.76	-11.83	-8.34
θ (75°)	-10.57	-7.49	-14.96	-7.82	-25.64	-14.04	-13.90	-15.68	-10.84	-9.15	-4.55	-7.78	-6.89	-10.04	-13.92	-11.78	-14.15	-16.89	-22.41	-14.97	-17.77	-26.67	-10.66	-10.55	-10.57
θ (90°)	-10.56	-8.80	-5.98	-28.11	-16.04	-8.08	-11.16	-14.62	-10.36	-8.11	-2.60	-5.80	-5.42	-3.53	-9.77	-10.33	-12.83	-14.65	-19.25	-14.68	-19.04	-10.28	-17.67	-6.76	-10.56
θ (105°)	-11.06	-5.86	-7.53	-24.51	-14.69	-9.69	-21.29	-7.21	-9.22	-10.31	-8.54	-8.24	-8.87	-9.31	-13.06	-12.98	-16.53	-10.51	-12.21	-9.40	-20.61	-13.52	-13.02	-12.57	-11.06
θ (120°)	-9.92	-10.46	-18.60	-13.51	-16.48	-26.38	-9.74	-4.88	-3.95	-6.20	-8.82	-7.40	-6.93	-6.78	-12.81	-14.81	-19.80	-17.56	-7.67	-14.70	-11.92	-21.49	-13.59	-12.38	-9.92
θ (135°)	-17.99	-10.19	-9.40	-17.10	-7.56	-18.08	-4.57	-4.13	-4.18	-3.24	-2.27	-2.52	-4.09	-8.01	-13.38	-14.51	-12.90	-11.09	-20.16	-10.16	-24.61	-21.63	-12.31	-13.50	-17.99
θ (150°)	-7.73	-8.92	-9.61	-13.87	-24.57	-22.12	-10.46	-6.96	-7.63	-7.25	-7.11	-9.78	-15.87	-10.49	-6.11	-5.82	-7.42	-27.47	-9.66	-13.16	-15.98	-11.46	-10.52	-7.81	-7.73
θ (165°)	-6.43	-6.57	-8.51	-13.99	-28.50	-17.77	-13.98	-15.49	-24.19	-15.35	-10.15	-8.77	-8.34	-8.49	-9.90	-18.92	-19.61	-16.45	-18.01	-12.94	-11.01	-9.92	-9.03	-8.43	-6.43
θ (180°)	-17.43	-18.39	-17.37	-15.64	-14.50	-14.77	-15.08	-16.70	-17.44	-18.26	-19.16	-17.95	-20.75	-27.21	-33.47	-26.41	-20.66	-17.85	-18.24	-17.86	-14.65	-12.60	-12.66	-13.05	-17.43

Ant.	No.1																								
Freq. (MHz)	5600																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-17.56	-17.00	-16.48	-16.45	-15.63	-14.74	-13.92	-13.02	-12.40	-12.29	-14.00	-16.69	-19.35	-18.50	-17.97	-16.20	-13.95	-12.70	-13.01	-14.52	-16.41	-18.49	-20.62	-18.52	-17.56
$\theta(15^\circ)$	-13.55	-13.91	-12.73	-10.29	-8.40	-7.95	-6.27	-4.32	-3.96	-5.08	-7.18	-8.84	-10.09	-11.52	-16.94	-31.03	-23.38	-16.36	-16.06	-21.51	-22.67	-17.00	-13.65	-13.02	-13.55
$\theta(30^\circ)$	-10.44	-6.95	-5.37	-6.84	-6.23	-5.51	-9.72	-14.27	-5.83	-6.12	-13.01	-28.84	-13.92	-8.46	-8.07	-9.36	-15.14	-12.91	-14.88	-27.13	-14.76	-11.40	-12.17	-15.01	-10.44
$\theta(45^\circ)$	-15.64	-15.56	-7.87	-2.17	-4.09	-2.37	-4.77	-7.96	-4.37	-4.56	-4.35	-6.43	-13.87	-13.22	-10.63	-10.21	-31.56	-11.20	-8.95	-20.95	-14.26	-10.13	-6.51	-6.36	-15.64
$\theta(60^\circ)$	-12.61	-9.16	-6.15	-3.59	1.14	-1.09	-5.97	-4.53	-4.03	-8.36	-4.51	-5.04	-15.95	-16.28	-10.32	-8.78	-11.27	-17.02	-8.78	-16.12	-17.30	-24.70	-11.59	-11.61	-12.61
$\theta(75^\circ)$	-7.67	-4.34	-2.02	-0.20	-0.05	-0.51	-1.25	-2.34	-0.81	-2.22	-4.30	-3.44	-9.36	-14.99	-9.87	-7.16	-48.11	-7.65	-15.96	-20.66	-20.04	-12.58	-16.21	-14.21	-7.67
$\theta(90^\circ)$	-13.46	-6.55	-3.82	-1.83	[1.26]	-0.02	-2.64	0.55	-3.20	-2.81	-2.03	-4.19	-5.83	-13.34	-25.45	-8.28	-12.21	-23.56	-33.34	-20.52	-17.21	-13.31	-15.79	-14.18	-13.46
$\theta(105^\circ)$	-18.65	-26.34	-7.94	-0.37	-0.85	-3.84	-1.82	-0.88	0.34	-0.72	-4.89	-11.80	-5.92	-6.58	-16.61	-25.91	-16.05	-22.44	-25.50	-16.14	-15.08	-12.29	-14.71	-13.33	-18.65
$\theta(120^\circ)$	-11.34	-9.92	-9.53	-5.19	-4.49	-5.87	-4.29	-2.42	-0.50	-1.10	-3.89	-7.18	-10.08	-9.53	-9.20	-9.43	-9.80	-18.75	-28.07	-10.63	-13.08	-12.24	-19.16	-14.25	-11.34
$\theta(135^\circ)$	-16.40	-11.03	-9.10	-5.49	-6.15	-4.99	-8.49	-3.24	-0.90	-3.03	-3.62	-8.06	-9.00	-7.93	-10.87	-10.93	-9.64	-7.38	-16.82	-15.41	-8.31	-15.82	-11.78	-21.11	-16.40
$\theta(150^\circ)$	-13.96	-9.79	-7.91	-7.89	-6.97	-3.95	-3.95	-3.96	-2.61	-1.94	-3.70	-5.68	-5.48	-6.32	-13.25	-7.93	-11.92	-13.98	-16.95	-17.35	-10.51	-21.28	-9.29	-12.42	-13.96
$\theta(165^\circ)$	-17.78	-10.81	-9.71	-9.49	-9.22	-8.49	-7.63	-6.22	-5.50	-6.55	-9.98	-15.42	-18.43	-16.29	-15.62	-16.48	-20.89	-23.59	-19.02	-19.43	-16.42	-14.41	-13.84	-14.59	-17.78
$\theta(180^\circ)$	-20.07	-16.01	-13.40	-12.93	-13.07	-13.93	-16.02	-19.49	-23.56	-27.03	-56.61	-27.36	-21.81	-16.06	-12.91	-11.88	-11.16	-10.44	-10.11	-10.67	-12.49	-14.98	-21.73	-27.19	-20.07
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-14.85	-14.46	-14.67	-15.17	-15.32	-16.96	-19.64	-23.71	-25.00	-20.21	-16.49	-14.70	-15.55	-15.63	-16.47	-20.96	-23.80	-20.05	-16.93	-14.93	-13.61	-12.33	-12.28	-12.92	-14.85
$\theta(15^\circ)$	-14.00	-17.18	-19.46	-16.95	-16.21	-16.44	-22.01	-21.91	-12.05	-9.72	-10.43	-12.45	-13.30	-11.28	-8.38	-8.26	-11.09	-20.68	-18.01	-13.33	-12.00	-10.39	-10.44	-11.72	-14.00
$\theta(30^\circ)$	-6.99	-7.57	-9.48	-13.44	-18.57	-16.26	-14.01	-27.25	-13.49	-11.66	-12.30	-15.06	-15.67	-17.01	-15.79	-15.00	-9.78	-11.58	-30.40	-20.86	-10.23	-13.33	-12.43	-8.39	-6.99
$\theta(45^\circ)$	-7.65	-2.95	-2.50	-7.72	-12.87	-12.87	-19.68	-18.43	-13.09	-10.80	-11.12	-10.45	-11.28	-9.60	-8.96	-9.84	-10.86	-21.54	-15.89	-21.65	-14.03	-11.18	-12.28	-18.45	-7.65
$\theta(60^\circ)$	-9.72	-11.22	-8.58	-4.47	-5.88	-15.69	-20.58	-23.77	-8.13	-11.78	-7.84	-7.78	-10.95	-15.15	-30.63	-23.31	-32.24	-17.76	-19.76	-14.85	-15.87	-14.93	-14.64	-13.93	-9.72
$\theta(75^\circ)$	-8.27	-9.67	-23.86	-8.30	-17.23	-14.87	-13.59	-25.32	-19.29	-13.61	-8.87	-11.05	-10.92	-21.52	-15.14	-11.55	-12.40	-19.51	-17.84	-22.37	-16.29	-20.43	-13.21	-11.13	-8.27
$\theta(90^\circ)$	-11.59	-18.07	-8.22	-26.61	-11.65	-11.72	-13.70	-20.01	-16.05	-9.21	-6.04	-12.33	-6.96	-4.65	-7.51	-15.40	-18.34	-18.41	-16.90	-23.28	-20.64	-14.12	-17.95	-9.78	-11.59
$\theta(105^\circ)$	-16.43	-8.30	-11.35	-16.60	-32.02	-13.79	-21.84	-12.84	-7.92	-13.22	-9.41	-15.31	-12.47	-11.06	-17.23	-16.62	-18.43	-12.61	-10.13	-12.40	-29.16	-21.73	-13.67	-17.23	-16.43
$\theta(120^\circ)$	-14.28	-17.60	-21.59	-14.80	-18.49	-26.51	-11.66	-7.48	-6.72	-7.73	-6.59	-5.22	-6.04	-6.01	-11.63	-13.56	-19.20	-17.82	-11.17	-16.07	-13.37	-25.81	-20.75	-12.22	-14.28
$\theta(135^\circ)$	-52.06	-15.19	-15.55	-18.87	-8.44	-18.17	-5.89	-4.05	-4.11	-4.04	-2.43	[-1.93]	-2.58	-7.09	-12.05	-17.50	-18.08	-10.01	-17.41	-12.18	-32.75	-18.55	-17.28	-25.47	-52.06
$\theta(150^\circ)$	-13.24	-15.24	-12.23	-17.71	-17.25	-24.59	-9.09	-8.88	-10.58	-9.22	-9.01	-10.35	-13.88	-8.50	-4.94	-4.19	-5.98	-21.75	-9.96	-14.88	-14.55	-11.56	-13.23	-9.11	-13.24
$\theta(165^\circ)$	-8.45	-9.71	-13.63	-19.20	-15.56	-12.15	-11.79	-16.27	-24.70	-12.08	-8.12	-8.24	-9.27	-10.80	-16.10	-23.23	-17.53	-20.28	-23.46	-14.98	-13.65	-14.67	-13.08	-10.41	-8.45
$\theta(180^\circ)$	-15.19	-16.67	-18.90	-25.27	-25.74	-20.03	-17.44	-16.95	-16.74	-15.95	-16.36	-17.77	-18.23	-18.21	-22.89	-25.89	-33.78	-27.60	-27.40	-24.55	-15.43	-12.95	-11.64	-11.96	-15.19

Ant.	No.1																								
Freq. (MHz)	5600																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-17.56	-17.00	-16.48	-16.45	-15.63	-14.74	-13.92	-13.02	-12.40	-12.29	-14.00	-16.69	-19.35	-18.50	-17.97	-16.20	-13.95	-12.70	-13.01	-14.52	-16.41	-18.49	-20.62	-18.52	-17.56
$\theta(15^\circ)$	-13.55	-13.91	-12.73	-10.29	-8.40	-7.95	-6.27	-4.32	-3.96	-5.08	-7.18	-8.84	-10.09	-11.52	-16.94	-31.03	-23.38	-16.36	-16.06	-21.51	-22.67	-17.00	-13.65	-13.02	-13.55
$\theta(30^\circ)$	-10.44	-6.95	-5.37	-6.84	-6.23	-5.51	-9.72	-14.27	-5.83	-6.12	-13.01	-28.84	-13.92	-8.46	-8.07	-9.36	-15.14	-12.91	-14.88	-27.13	-14.76	-11.40	-12.17	-15.01	-10.44
$\theta(45^\circ)$	-15.64	-15.56	-7.87	-2.17	-4.09	-2.37	-4.77	-7.96	-4.37	-4.56	-4.35	-6.43	-13.87	-13.22	-10.63	-10.21	-31.56	-11.20	-8.95	-20.95	-14.26	-10.13	-6.51	-6.36	-15.64
$\theta(60^\circ)$	-12.61	-9.16	-6.15	-3.59	1.14	-1.09	-5.97	-4.53	-4.03	-8.36	-4.51	-5.04	-15.95	-16.28	-10.32	-8.78	-11.27	-17.02	-8.78	-16.12	-17.30	-24.70	-11.59	-11.61	-12.61
$\theta(75^\circ)$	-7.67	-4.34	-2.02	-0.20	-0.05	-0.51	-1.25	-2.34	-0.81	-2.22	-4.30	-3.44	-9.36	-14.99	-9.87	-7.16	-48.11	-7.65	-15.96	-20.66	-20.04	-12.58	-16.21	-14.21	-7.67
$\theta(90^\circ)$	-13.46	-6.55	-3.82	-1.83	[1.26]	-0.02	-2.64	0.55	-3.20	-2.81	-2.03	-4.19	-5.83	-13.34	-25.45	-8.28	-12.21	-23.56	-33.34	-20.52	-17.21	-13.31	-15.79	-14.18	-13.46
$\theta(105^\circ)$	-18.65	-26.34	-7.94	-0.37	-0.85	-3.84	-1.82	-0.88	0.34	-0.72	-4.89	-11.80	-5.92	-6.58	-16.61	-25.91	-16.05	-22.44	-25.50	-16.14	-15.08	-12.29	-14.71	-13.33	-18.65
$\theta(120^\circ)$	-11.34	-9.92	-9.53	-5.19	-4.49	-5.87	-4.29	-2.42	-0.50	-1.10	-3.89	-7.18	-10.08	-9.53	-9.20	-9.43	-9.80	-18.75	-28.07	-10.63	-13.08	-12.24	-19.16	-14.25	-11.34
$\theta(135^\circ)$	-16.40	-11.03	-9.10	-5.49	-6.15	-4.99	-8.49	-3.24	-0.90	-3.03	-3.62	-8.06	-9.00	-7.93	-10.87	-10.93	-9.64	-7.38	-16.82	-15.41	-8.31	-15.82	-11.78	-21.11	-16.40
$\theta(150^\circ)$	-13.96	-9.79	-7.91	-7.89	-6.97	-3.95	-3.95	-3.96	-2.61	-1.94	-3.70	-5.68	-5.48	-6.32	-13.25	-7.93	-11.92	-13.98	-16.95	-17.35	-10.51	-21.28	-9.29	-12.42	-13.96
$\theta(165^\circ)$	-17.78	-10.81	-9.71	-9.49	-9.22	-8.49	-7.63	-6.22	-5.50	-6.55	-9.98	-15.42	-18.43	-16.29	-15.62	-16.48	-20.89	-23.59	-19.02	-19.43	-16.42	-14.41	-13.84	-14.59	-17.78
$\theta(180^\circ)$	-20.07	-16.01	-13.40	-12.93	-13.07	-13.93	-16.02	-19.49	-23.56	-27.03	-56.61	-27.36	-21.81	-16.06	-12.91	-11.88	-11.16	-10.44	-10.11	-10.67	-12.49	-14.98	-21.73	-27.19	-20.07
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-14.85	-14.46	-14.67	-15.17	-15.32	-16.96	-19.64	-23.71	-25.00	-20.21	-16.49	-14.70	-15.55	-15.63	-16.47	-20.96	-23.80	-20.05	-16.93	-14.93	-13.61	-12.33	-12.28	-12.92	-14.85
$\theta(15^\circ)$	-14.00	-17.18	-19.46	-16.95	-16.21	-16.44	-22.01	-21.91	-12.05	-9.72	-10.43	-12.45	-13.30	-11.28	-8.38	-8.26	-11.09	-20.68	-18.01	-13.33	-12.00	-10.39	-10.44	-11.72	-14.00
$\theta(30^\circ)$	-6.99	-7.57	-9.48	-13.44	-18.57	-16.26	-14.01	-27.25	-13.49	-11.66	-12.30	-15.06	-15.67	-17.01	-15.79	-15.00	-9.78	-11.58	-30.40	-20.86	-10.23	-13.33	-12.43	-8.39	-6.99
$\theta(45^\circ)$	-7.65	-2.95	-2.50	-7.72	-12.87	-12.87	-19.68	-18.43	-13.09	-10.80	-11.12	-10.45	-11.28	-9.60	-8.96	-9.84	-10.86	-21.54	-15.89	-21.65	-14.03	-11.18	-12.28	-18.45	-7.65
$\theta(60^\circ)$	-9.72	-11.22	-8.58	-4.47	-5.88	-15.69	-20.58	-23.77	-8.13	-11.78	-7.84	-7.78	-10.95	-15.15	-30.63	-23.31	-32.24	-17.76	-19.76	-14.85	-15.87	-14.93	-14.64	-13.93	-9.72
$\theta(75^\circ)$	-8.27	-9.67	-23.86	-8.30	-17.23	-14.87	-13.59	-25.32	-19.29	-13.61	-8.87	-11.05	-10.92	-21.52	-15.14	-11.55	-12.40	-19.51	-17.84	-22.37	-16.29	-20.43	-13.21	-11.13	-8.27
$\theta(90^\circ)$	-11.59	-18.07	-8.22	-26.61	-11.65	-11.72	-13.70	-20.01	-16.05	-9.21	-6.04	-12.33	-6.96	-4.65	-7.51	-15.40	-18.34	-18.41	-16.90	-23.28	-20.64	-14.12	-17.95	-9.78	-11.59
$\theta(105^\circ)$	-16.43	-8.30	-11.35	-16.60	-32.02	-13.79	-21.84	-12.84	-7.92	-13.22	-9.41	-15.31	-12.47	-11.06	-17.23	-16.62	-18.43	-12.61	-10.13	-12.40	-29.16	-21.73	-13.67	-17.23	-16.43
$\theta(120^\circ)$	-14.28	-17.60	-21.59	-14.80	-18.49	-26.51	-11.66	-7.48	-6.72	-7.73	-6.59	-5.22	-6.04	-6.01	-11.63	-13.56	-19.20	-17.82	-11.17	-16.07	-13.37	-25.81	-20.75	-12.22	-14.28
$\theta(135^\circ)$	-52.06	-15.19	-15.55	-18.87	-8.44	-18.17	-5.89	-4.05	-4.11	-4.04	-2.43	[-1.93]	-2.58	-7.09	-12.05	-17.50	-18.08	-10.01	-17.41	-12.18	-32.75	-18.55	-17.28	-25.47	-52.06
$\theta(150^\circ)$	-13.24	-15.24	-12.23	-17.71	-17.25	-24.59	-9.09	-8.88	-10.58	-9.22	-9.01	-10.35	-13.88	-8.50	-4.94	-4.19	-5.98	-21.75	-9.96	-14.88	-14.55	-11.56	-13.23	-9.11	-13.24
$\theta(165^\circ)$	-8.45	-9.71	-13.63	-19.20	-15.56	-12.15	-11.79	-16.27	-24.70	-12.08	-8.12	-8.24	-9.27	-10.80	-16.10	-23.23	-17.53	-20.28	-23.46	-14.98	-13.65	-14.67	-13.08	-10.41	-8.45
$\theta(180^\circ)$	-15.19	-16.67	-18.90	-25.27	-25.74	-20.03	-17.44	-16.95	-16.74	-15.95	-16.36	-17.77	-18.23	-18.21	-22.89	-25.89	-33.78	-27.60	-27.40	-24.55	-15.43	-12.95	-11.64	-11.96	-15.19

Ant.	No.1																								
Freq. (MHz)	5725																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-14.11	-17.68	-25.55	-18.15	-12.51	-9.77	-8.10	-7.22	-7.34	-7.98	-8.76	-10.62	-14.26	-20.35	-26.53	-18.52	-14.59	-12.71	-11.33	-10.17	-9.51	-9.15	-9.84	-11.43	-14.11
$\theta(15^\circ)$	-26.62	-17.62	-12.61	-9.46	-9.11	-8.29	-6.10	-5.07	-5.21	-5.95	-7.36	-9.24	-11.57	-14.98	-17.91	-16.23	-17.21	-22.81	-21.01	-18.57	-19.53	-17.99	-20.58	-25.46	-26.62
$\theta(30^\circ)$	-13.55	-9.92	-6.81	-5.94	-4.56	-5.56	-8.80	-6.09	-4.18	-5.56	-11.75	-10.54	-6.96	-6.56	-11.29	-19.55	-16.29	-19.37	-16.94	-28.71	-21.67	-18.69	-13.67	-13.87	-13.55
$\theta(45^\circ)$	-21.38	-27.57	-8.39	-4.01	-2.77	-2.51	-5.91	-5.96	-4.36	-5.92	-8.09	-13.62	-16.78	-8.90	-8.91	-11.51	-24.55	-10.62	-14.19	-18.19	-20.45	-11.96	-7.00	-7.54	-21.38
$\theta(60^\circ)$	-16.37	-13.38	-8.03	-2.18	[0.69]	-1.84	-3.06	-1.24	-3.10	-4.03	-2.77	-4.64	-11.58	-10.84	-7.36	-6.37	-12.88	-14.87	-13.01	-13.64	-14.68	-14.96	-10.84	-11.91	-16.37
$\theta(75^\circ)$	-7.29	-5.89	-3.59	-3.76	-2.09	-1.92	-0.20	-0.16	-0.86	-1.25	-2.43	-2.72	-10.82	-11.01	-8.52	-9.49	-19.60	-9.78	-16.63	-20.25	-11.52	-9.85	-13.93	-14.48	-7.29
$\theta(90^\circ)$	-11.38	-7.19	-4.16	-3.90	0.62	0.51	-1.80	-0.79	-3.37	-0.99	-2.23	-4.11	-8.22	-17.80	-13.31	-8.08	-11.23	-23.82	-35.44	-21.18	-12.35	-12.56	-15.12	-19.50	-11.38
$\theta(105^\circ)$	-18.55	-18.20	-6.12	-1.43	-0.99	-4.52	-1.47	-0.36	-0.04	-0.45	-4.35	-7.70	-6.79	-6.84	-10.81	-16.85	-13.98	-23.31	-20.00	-18.00	-17.94	-9.93	-17.83	-15.50	-18.55
$\theta(120^\circ)$	-10.30	-11.07	-11.35	-6.09	-2.58	-3.39	-3.24	-2.70	-0.61	-1.86	-4.74	-9.74	-11.65	-11.17	-9.10	-11.80	-14.00	-18.68	-27.40	-14.37	-13.62	-14.93	-20.17	-13.15	-10.30
$\theta(135^\circ)$	-17.46	-11.14	-10.42	-5.86	-3.77	-4.19	-6.76	-3.29	-1.75	-1.95	-2.99	-8.66	-11.89	-8.33	-8.63	-11.51	-14.94	-9.84	-17.61	-23.44	-10.08	-17.38	-9.49	-33.99	-17.46
$\theta(150^\circ)$	-17.50	-11.77	-10.65	-9.06	-7.38	-4.69	-4.30	-3.90	-1.30	-1.48	-3.71	-4.76	-4.66	-5.32	-13.98	-10.19	-10.86	-20.92	-14.50	-23.97	-9.06	-14.94	-8.44	-13.74	-17.50
$\theta(165^\circ)$	-19.80	-12.03	-11.10	-10.86	-9.71	-8.40	-7.40	-6.49	-6.07	-6.29	-8.52	-13.23	-17.61	-18.69	-17.80	-19.17	-34.13	-14.79	-11.15	-13.09	-20.20	-16.03	-12.28	-14.22	-19.80
$\theta(180^\circ)$	-16.64	-14.26	-12.55	-12.07	-12.07	-14.07	-16.06	-17.89	-21.56	-23.87	-23.41	-24.50	-20.89	-14.01	-11.42	-10.92	-10.43	-10.32	-10.42	-10.99	-12.16	-14.47	-17.40	-18.39	-16.64
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-9.32	-8.40	-8.19	-8.18	-9.16	-11.09	-14.44	-21.48	-30.95	-17.95	-13.00	-10.02	-8.67	-8.29	-7.90	-8.40	-9.46	-11.91	-14.43	-15.72	-19.77	-19.92	-15.64	-12.28	-9.32
$\theta(15^\circ)$	-9.93	-10.82	-10.96	-12.32	-14.69	-16.56	-18.61	-15.80	-13.91	-14.39	-14.83	-13.65	-11.45	-9.78	-9.32	-8.97	-11.74	-17.02	-25.35	-14.03	-11.32	-9.63	-8.61	-8.15	-9.93
$\theta(30^\circ)$	-7.60	-6.85	-7.53	-12.67	-13.81	-14.50	-13.94	-13.52	-17.15	-10.94	-11.01	-14.57	-16.58	-13.92	-9.76	-11.76	-12.00	-12.40	-18.62	-22.34	-10.95	-11.43	-11.83	-9.63	-7.60
$\theta(45^\circ)$	-8.63	-5.25	-6.18	-11.65	-11.32	-12.68	-18.32	-20.03	-14.45	-9.26	-8.56	-9.78	-12.03	-10.29	-9.85	-12.78	-20.03	-14.17	-41.83	-14.15	-11.28	-13.97	-13.78	-15.75	-8.63
$\theta(60^\circ)$	-15.20	-14.79	-8.78	-5.76	-5.75	-12.26	-16.99	-25.45	-6.83	-8.48	-9.32	-9.53	-10.50	-11.74	-15.59	-21.91	-18.13	-12.80	-20.07	-14.65	-16.06	-10.84	-14.61	-25.42	-15.20
$\theta(75^\circ)$	-7.92	-10.55	-16.52	-10.55	-16.00	-11.26	-10.75	-14.25	-11.82	-20.20	-13.22	-13.99	-14.41	-14.59	-15.68	-11.27	-16.88	-21.72	-13.45	-32.23	-18.49	-14.17	-16.05	-14.52	-7.92
$\theta(90^\circ)$	-11.69	-14.10	-9.76	-18.77	-9.24	-16.15	-14.28	-16.56	-17.66	-11.97	-8.82	-10.54	-11.37	-7.53	-8.95	-13.10	-17.20	-21.61	-11.78	-18.65	-17.21	-19.75	-19.39	-14.14	-11.69
$\theta(105^\circ)$	-18.30	-10.85	-10.37	-10.71	-19.22	-18.79	-15.22	-16.32	-8.73	-18.70	-9.21	-13.55	-20.82	-13.03	-13.37	-15.54	-51.84	-37.88	-11.66	-22.61	-26.77	-21.13	-10.06	-16.08	-18.30
$\theta(120^\circ)$	-11.24	-11.04	-38.95	-16.54	-11.36	-23.12	-17.39	-9.90	-5.63	-6.11	-8.58	-7.65	-8.65	-8.00	-12.11	-13.39	-19.42	-17.37	-11.55	-18.91	-16.66	-19.52	-20.39	-11.82	-11.24
$\theta(135^\circ)$	-14.67	-11.49	-13.59	-16.97	-9.60	-19.99	-6.87	-4.67	[-3.30]	-3.83	-4.00	-4.70	-5.27	-8.72	-14.74	-22.01	-24.07	-9.62	-22.56	-11.35	-17.26	-15.72	-11.76	-37.36	-14.67
$\theta(150^\circ)$	-16.88	-14.84	-12.70	-18.72	-17.32	-23.45	-9.84	-10.71	-8.83	-8.99	-12.94	-13.73	-15.54	-8.62	-4.89	-5.31	-6.58	-21.49	-10.46	-19.67	-15.26	-19.65	-14.31	-11.19	-16.88
$\theta(165^\circ)$	-10.20	-13.18	-19.28	-19.80	-15.23	-13.86	-15.52	-17.11	-17.84	-12.50	-8.39	-6.30	-7.09	-9.50	-12.63	-24.45	-18.97	-20.06	-24.74	-14.73	-14.52	-18.28	-14.14	-10.77	-10.20
$\theta(180^\circ)$	-14.13	-16.62	-19.12	-28.33	-23.10	-17.56	-14.86	-14.05	-14.77	-16.35	-16.23	-14.34	-14.08	-15.53	-16.75	-18.47	-20.38	-25.79	-32.48	-21.35	-13.90	-11.16	-10.59	-11.14	-14.13

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°)	-13.39	-17.76	-26.76	-19.60	-12.83	-9.81	-8.31	-7.53	-7.28	-7.72	-9.21	-10.75	-13.19	-18.90	-31.54	-24.46	-17.07	-13.84	-11.38	-9.77	-8.94	-8.99	-9.59	-10.38	-13.39
θ (15°)	-24.60	-18.14	-12.50	-10.22	-10.46	-9.82	-7.02	-5.59	-5.56	-6.24	-7.51	-8.82	-11.45	-15.10	-14.99	-12.16	-13.89	-21.62	-26.89	-22.88	-31.65	-26.94	-24.87	-31.05	-24.60
θ (30°)	-16.82	-12.26	-8.11	-7.40	-6.37	-6.79	-8.76	-5.88	-4.61	-6.33	-10.54	-8.32	-6.08	-6.38	-10.14	-15.10	-11.48	-17.25	-18.64	-20.41	-63.33	-27.61	-15.66	-16.74	-16.82
θ (45°)	-15.49	-17.54	-7.91	-5.70	-3.62	-1.98	-5.72	-6.09	-4.76	-5.12	-7.56	-15.15	-13.57	-8.89	-8.77	-14.17	-25.57	-9.77	-13.06	-16.32	-25.81	-13.27	-7.90	-9.43	-15.49
θ (60°)	-18.16	-14.36	-6.79	-0.77	1.08	-0.73	-2.27	-1.06	-2.12	-2.77	-2.25	-5.09	-9.76	-8.26	-7.02	-6.44	-16.95	-12.53	-12.50	-12.21	-14.93	-18.24	-9.91	-11.03	-18.16
θ (75°)	-7.21	-5.28	-2.33	-3.23	-1.65	-1.57	0.48	0.96	0.69	-0.40	-2.01	-1.91	-8.79	-9.13	-9.19	-8.84	-17.65	-9.11	-15.85	-23.61	-12.58	-9.22	-10.56	-12.48	-7.21
θ (90°)	-10.49	-6.13	-3.80	-4.11	[1.16]	0.83	-0.81	-1.43	-1.88	-0.70	-3.17	-4.65	-7.50	-13.72	-16.04	-10.09	-12.86	-22.99	-25.33	-20.47	-11.87	-12.36	-14.82	-20.85	-10.49
θ (105°)	-18.84	-12.80	-4.21	-1.15	-1.15	-3.12	-1.22	-0.03	0.98	0.02	-4.05	-6.34	-6.07	-7.33	-9.93	-12.21	-16.78	-27.24	-16.92	-16.71	-16.77	-9.42	-19.24	-11.99	-18.84
θ (120°)	-9.94	-11.25	-11.88	-5.16	-1.49	-2.92	-2.94	-2.98	0.25	-1.83	-4.55	-9.63	-12.74	-12.46	-9.56	-12.59	-17.00	-17.07	-35.67	-14.91	-14.38	-13.40	-16.62	-13.67	-9.94
θ (135°)	-18.12	-10.95	-10.55	-4.30	-3.09	-2.75	-6.20	-3.87	-1.05	-0.67	-1.93	-7.86	-11.47	-8.39	-8.33	-12.45	-17.45	-10.67	-21.80	-25.93	-10.75	-14.30	-9.07	-29.65	-18.12
θ (150°)	-16.35	-11.86	-10.20	-7.43	-5.62	-3.10	-3.97	-4.12	-1.47	-1.44	-3.47	-4.85	-5.50	-5.10	-12.51	-12.08	-12.59	-29.04	-12.28	-20.90	-8.29	-15.73	-7.67	-12.73	-16.35
θ (165°)	-20.76	-12.52	-11.30	-11.04	-9.02	-7.97	-8.30	-7.99	-7.15	-7.48	-10.06	-15.26	-19.84	-19.00	-17.04	-20.62	-20.09	-11.62	-10.21	-13.35	-18.63	-15.72	-12.16	-13.93	-20.76
θ (180°)	-16.57	-13.14	-11.50	-10.53	-10.19	-10.92	-12.72	-14.50	-16.53	-19.56	-24.34	-27.64	-23.79	-14.58	-10.60	-9.60	-9.63	-9.23	-9.01	-9.56	-11.41	-14.89	-20.31	-19.77	-16.57
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-9.34	-8.10	-7.49	-7.45	-8.35	-10.61	-14.09	-20.37	-30.45	-16.56	-13.93	-11.89	-9.30	-8.91	-8.94	-9.27	-9.87	-11.51	-13.73	-15.92	-24.61	-22.70	-15.94	-12.40	-9.34
θ (15°)	-11.60	-11.39	-11.70	-13.92	-16.27	-15.83	-16.07	-15.01	-14.73	-15.56	-15.32	-13.27	-11.06	-9.57	-9.40	-11.00	-13.70	-19.09	-26.47	-21.93	-16.04	-13.43	-11.84	-11.80	-11.60
θ (30°)	-9.50	-7.95	-8.18	-13.55	-12.76	-13.37	-11.93	-12.49	-15.19	-9.34	-10.43	-13.60	-14.10	-12.60	-9.70	-9.98	-11.40	-12.56	-18.05	-30.91	-14.81	-12.89	-14.19	-10.11	-9.50
θ (45°)	-8.11	-4.42	-5.41	-8.48	-13.99	-15.73	-15.17	-18.78	-10.49	-8.25	-7.42	-8.02	-9.39	-8.87	-7.73	-11.49	-20.15	-14.62	-22.61	-18.23	-10.14	-19.78	-16.66	-20.10	-8.11
θ (60°)	-11.96	-11.62	-8.21	-6.25	-7.20	-11.37	-16.73	-25.53	-5.10	-6.44	-9.52	-8.79	-10.07	-10.43	-16.18	-13.59	-12.90	-10.30	-21.43	-13.71	-21.44	-10.34	-12.59	-23.30	-11.96
θ (75°)	-8.19	-11.01	-15.53	-8.53	-12.27	-10.82	-9.56	-12.60	-9.16	-11.39	-14.24	-15.48	-13.17	-9.77	-11.54	-10.35	-18.97	-17.14	-13.27	-23.37	-19.45	-11.37	-15.32	-14.40	-8.19
θ (90°)	-11.55	-15.75	-8.45	-20.27	-7.83	-19.63	-15.39	-14.13	-24.65	-14.41	-10.70	-8.82	-10.35	-9.55	-9.26	-10.77	-12.44	-16.44	-11.59	-15.93	-16.33	-21.62	-13.53	-17.37	-11.55
θ (105°)	-18.53	-12.10	-9.33	-9.67	-16.83	-18.76	-12.93	-16.93	-8.04	-17.97	-7.39	-9.70	-19.70	-14.58	-17.61	-17.71	-21.34	-19.18	-10.37	-24.62	-25.47	-18.45	-11.06	-16.43	-18.53
θ (120°)	-11.92	-11.00	-34.27	-18.22	-9.50	-18.43	-15.17	-9.62	-4.44	-4.70	-7.22	-6.65	-7.55	-7.32	-14.06	-16.08	-19.90	-19.89	-11.21	-16.66	-17.62	-23.77	-18.29	-11.14	-11.92
θ (135°)	-13.26	-9.61	-12.22	-17.90	-9.10	-17.41	-8.94	-5.13	-4.38	[-3.55]	-4.10	-5.05	-4.71	-7.47	-12.65	-21.21	-28.99	-10.58	-22.14	-11.32	-17.53	-14.77	-12.25	-26.17	-13.26
θ (150°)	-18.48	-14.64	-11.33	-17.97	-17.98	-16.68	-13.67	-16.99	-10.40	-8.08	-11.41	-12.46	-14.17	-9.36	-5.16	-5.27	-5.38	-18.66	-11.02	-17.21	-14.39	-18.06	-14.20	-12.08	-18.48
θ (165°)	-9.23	-12.49	-17.28	-14.22	-11.87	-13.37	-17.90	-21.39	-18.39	-13.69	-9.93	-8.87	-9.34	-11.46	-16.24	-19.55	-15.33	-17.47	-25.24	-15.54	-15.21	-12.68	-9.61	-8.10	-9.23
θ (180°)	-14.11	-15.14	-17.46	-22.47	-29.02	-17.43	-14.68	-13.58	-13.45	-13.20	-13.51	-13.54	-12.74	-12.64	-15.08	-19.73	-31.75	-30.41	-38.12	-22.38	-14.18	-12.22	-11.54	-12.30	-14.11

Ant.	No.1																								
Freq. (MHz)	5850																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-13.72	-19.69	-36.88	-17.23	-12.06	-9.31	-7.47	-6.48	-6.19	-6.62	-8.00	-10.00	-13.47	-17.69	-35.44	-20.63	-14.74	-11.20	-8.88	-7.88	-7.80	-7.96	-8.73	-10.09	-13.72
θ (15°)	-18.71	-13.39	-9.66	-8.63	-9.89	-8.67	-6.08	-5.55	-6.16	-7.82	-9.74	-10.43	-11.56	-12.63	-13.00	-12.30	-13.84	-16.69	-15.70	-14.72	-15.60	-21.70	-31.00	-36.94	-18.71
θ (30°)	-15.77	-12.00	-7.15	-6.16	-4.36	-6.14	-7.97	-5.50	-5.24	-8.15	-8.63	-6.52	-4.76	-5.64	-8.57	-10.97	-10.44	-15.83	-23.60	-15.91	-26.91	-18.49	-14.53	-15.64	-15.77
θ (45°)	-14.53	-16.80	-7.58	-6.06	-2.36	-1.36	-5.29	-4.84	-5.02	-5.69	-8.33	-15.28	-12.05	-8.80	-8.18	-14.87	-24.01	-10.50	-12.02	-20.32	-21.06	-13.77	-7.60	-9.43	-14.53
θ (60°)	-14.47	-14.35	-6.18	-0.73	0.78	-0.05	-1.37	-0.14	-1.02	-3.38	-2.95	-5.30	-9.38	-7.29	-7.65	-6.90	-16.42	-12.13	-10.60	-10.91	-15.50	-18.92	-10.48	-10.83	-14.47
θ (75°)	-7.23	-5.45	-2.38	-4.16	-1.50	-1.23	1.17	[1.73]	1.55	-0.65	-1.45	-1.32	-6.63	-7.73	-6.96	-7.46	-13.95	-9.60	-19.13	-28.57	-10.48	-8.81	-11.18	-10.94	-7.23
θ (90°)	-11.98	-4.89	-3.35	-3.67	0.91	0.97	-0.11	-1.45	-1.14	-2.17	-4.02	-3.71	-5.28	-11.06	-15.62	-12.18	-11.38	-32.52	-19.34	-28.26	-12.34	-12.56	-15.36	-18.37	-11.98
θ (105°)	-16.63	-10.83	-3.48	-1.58	-2.38	-1.74	-1.54	1.01	1.01	-1.06	-3.10	-5.27	-5.61	-6.24	-9.16	-10.00	-16.55	-19.74	-17.90	-20.75	-14.37	-10.41	-16.69	-11.69	-16.63
θ (120°)	-9.63	-13.69	-10.15	-4.59	-1.37	-2.74	-1.96	-1.77	0.28	-3.29	-5.91	-8.49	-11.35	-10.75	-10.21	-11.61	-19.64	-19.97	-33.96	-18.18	-14.84	-13.20	-13.19	-13.71	-9.63
θ (135°)	-15.99	-10.65	-10.15	-3.64	-2.43	-2.32	-5.15	-2.72	-0.53	-0.57	-1.87	-6.86	-14.45	-9.74	-9.91	-15.28	-27.48	-11.16	-26.47	-22.38	-10.94	-17.75	-9.83	-26.15	-15.99
θ (150°)	-17.06	-11.95	-9.59	-6.38	-4.66	-2.67	-2.79	-3.23	-0.51	-0.92	-3.03	-4.51	-5.39	-5.85	-12.87	-12.35	-9.77	-14.94	-15.48	-25.33	-8.63	-12.54	-7.89	-14.37	-17.06
θ (165°)	-17.02	-12.36	-12.66	-12.15	-9.71	-8.08	-7.61	-7.22	-6.53	-6.85	-9.44	-15.58	-23.48	-25.28	-24.48	-26.28	-15.47	-10.43	-9.40	-11.71	-21.87	-18.01	-13.66	-16.65	-17.02
θ (180°)	-13.89	-11.00	-9.26	-8.41	-8.32	-8.91	-9.73	-11.33	-13.29	-15.13	-18.97	-23.81	-19.12	-11.69	-8.36	-7.32	-7.13	-7.27	-7.48	-8.34	-10.26	-13.48	-18.05	-17.24	-13.89
Polarity	Phi																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	-7.41	-6.65	-6.18	-6.72	-7.69	-9.74	-13.82	-22.76	-27.92	-15.96	-10.80	-9.20	-8.75	-7.65	-7.76	-8.53	-10.25	-11.45	-13.48	-18.44	-25.27	-17.26	-12.34	-9.59	-7.41
θ (15°)	-9.36	-8.80	-10.30	-13.97	-15.93	-15.44	-15.87	-16.96	-20.83	-27.41	-22.09	-18.85	-15.52	-13.88	-11.91	-12.41	-14.78	-16.58	-20.96	-29.96	-16.79	-14.29	-12.49	-11.48	-9.36
θ (30°)	-8.03	-7.34	-8.99	-13.04	-9.21	-11.56	-10.79	-13.86	-14.79	-8.50	-10.77	-14.17	-15.17	-13.64	-11.26	-11.13	-11.73	-12.26	-19.32	-18.57	-15.62	-13.49	-14.67	-9.46	-8.03
θ (45°)	-7.71	-4.16	[-3.76]	-6.60	-11.98	-12.04	-13.05	-15.55	-9.39	-7.73	-7.19	-7.52	-9.56	-9.39	-10.10	-15.19	-19.87	-13.99	-22.49	-16.36	-8.98	-16.32	-15.86	-15.44	-7.71
θ (60°)	-11.09	-11.29	-8.89	-6.41	-7.75	-11.15	-16.07	-21.20	-6.37	-5.75	-11.48	-8.32	-9.21	-9.39	-12.51	-11.80	-11.26	-11.57	-26.59	-12.08	-24.72	-11.48	-12.45	-22.00	-11.09
θ (75°)	-8.76	-12.29	-21.05	-9.09	-10.78	-11.08	-11.13	-12.77	-9.21	-8.97	-14.26	-20.69	-11.67	-8.90	-10.99	-9.91	-16.82	-15.75	-13.79	-18.30	-22.35	-11.13	-14.31	-12.98	-8.76
θ (90°)	-12.86	-15.08	-10.44	-21.43	-8.80	-13.84	-17.38	-12.49	-27.08	-22.81	-10.69	-7.87	-9.09	-10.29	-9.37	-9.91	-12.56	-16.59	-14.45	-14.32	-17.71	-24.57	-12.51	-20.09	-12.86
θ (105°)	-22.25	-10.45	-8.27	-9.57	-18.41	-19.22	-11.15	-11.63	-8.62	-14.28	-6.15	-9.08	-16.49	-14.88	-23.36	-16.06	-21.49	-15.45	-10.75	-21.09	-23.54	-15.60	-10.68	-14.36	-22.25
θ (120°)	-11.61	-10.87	-23.05	-17.17	-7.76	-16.27	-15.74	-10.30	-4.17	-6.37	-8.53	-7.90	-7.90	-7.09	-13.70	-18.39	-28.97	-22.21	-12.23	-18.51	-28.86	-27.97	-16.02	-9.28	-11.61
θ (135°)	-14.28	-9.82	-12.46	-22.45	-8.10	-17.05	-9.32	-3.99	-4.17	-3.93	-6.24	-8.46	-6.97	-8.23	-11.93	-20.60	-21.52	-12.16	-18.76	-11.27	-14.89	-16.37	-11.93	-24.94	-14.28
θ (150°)	-20.04	-14.73	-11.88	-18.36	-23.64	-14.50	-14.52	-10.83	-10.63	-10.34	-14.61	-16.42	-16.59	-9.66	-6.55	-5.85	-6.43	-17.10	-10.81	-18.20	-15.42	-27.34	-13.50	-14.64	-20.04
θ (165°)	-11.66	-14.92	-19.64	-14.73	-12.31	-13.69	-16.69	-17.07	-13.33	-10.33	-7.55	-6.52	-8.62	-11.83	-18.44	-21.21	-13.32	-15.92	-29.01	-14.42	-11.99	-10.78	-10.35	-10.01	-11.66
θ (180°)	-10.62	-11.79	-14.06	-20.29	-29.72	-16.56	-13.13	-12.25	-11.95	-11.68	-10.64	-10.28	-9.66	-9.77	-10.82	-14.36	-21.24	-31.01	-26.94	-18.94	-13.16	-10.74	-9.30	-9.49	-10.62

Ant.	No.2																								
Freq. (MHz)	2400																								
Polarity	Theta																								
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)
θ (0°)	2.55	2.05	0.94	-0.89	-3.51	-6.34	-6.19	-3.44	-0.90	0.87	1.92	2.38	2.21	1.50	0.36	-1.31	-3.68	-6.04	-5.97	-3.50	-0.95	0.93	2.09	[2.63]	2.55
θ (15°)	1.11	0.89	-0.02	-1.87	-5.01	-9.25	-9.00	-4.82	-1.70	0.34	1.60	2.24	2.24	1.55	0.12	-2.00	-4.40	-5.70	-5.05	-3.60	-2.12	-0.98	-0.08	0.46	1.11
θ (30°)	-1.39	-1.08	-1.23	-2.38	-5.30	-12.42	-20.25	-7.80	-3.68	-1.54	-0.18	0.74	1.23	1.04	-0.19	-2.66	-5.73	-7.00	-6.35	-5.58	-4.96	-4.33	-3.49	-2.49	-1.39
θ (45°)	-5.87	-5.44	-5.19	-6.47	-11.23	-28.88	-13.77	-7.58	-5.07	-4.02	-3.32	-2.50	-1.73	-1.66	-2.78	-5.09	-6.68	-6.57	-6.23	-6.17	-6.11	-5.95	-5.99	-6.12	-5.87
θ (60°)	-14.79	-15.06	-13.45	-10.99	-10.98	-14.89	-25.59	-19.95	-12.77	-9.35	-7.12	-5.65	-4.84	-4.77	-4.93	-5.27	-5.62	-6.61	-7.19	-6.46	-6.09	-6.74	-8.56	-11.92	-14.79
θ (75°)	-16.81	-12.76	-22.66	-13.91	-11.78	-13.03	-14.53	-16.04	-12.47	-9.23	-7.94	-6.49	-4.77	-4.90	-6.62	-6.97	-6.65	-7.66	-7.10	-6.46	-8.36	-11.76	-15.04	-19.23	-16.81
θ (90°)	-15.65	-12.61	-19.07	-16.51	-11.34	-10.24	-11.27	-13.31	-13.96	-12.88	-14.28	-14.83	-10.13	-6.05	-5.86	-9.12	-12.80	-11.18	-7.12	-6.46	-7.10	-8.20	-11.62	-21.29	-15.65
θ (105°)	-15.88	-21.65	-13.18	-11.64	-13.09	-12.93	-14.45	-14.85	-16.04	-16.13	-13.90	-11.83	-17.09	-12.05	-8.88	-13.28	-15.68	-14.59	-11.89	-9.00	-6.49	-6.99	-11.79	-18.26	-15.88
θ (120°)	-14.58	-19.73	-10.32	-7.81	-14.03	-47.12	-18.43	-15.20	-24.75	-23.47	-27.38	-16.30	-14.60	-18.86	-28.87	-23.41	-11.66	-8.64	-9.74	-12.52	-13.06	-11.90	-15.36	-18.43	-14.58
θ (135°)	-11.73	-15.81	-13.82	-12.36	-13.32	-16.39	-20.98	-47.01	-17.34	-14.06	-16.52	-21.29	-24.03	-25.24	-26.82	-26.44	-23.43	-18.59	-14.54	-11.23	-8.97	-7.80	-7.30	-7.66	-11.73
θ (150°)	-13.98	-17.72	-17.77	-19.22	-36.73	-19.30	-13.85	-11.89	-11.05	-12.55	-17.93	-28.03	-19.86	-14.46	-11.70	-10.84	-11.91	-15.28	-21.37	-16.49	-10.98	-8.49	-7.94	-9.21	-13.98
θ (165°)	-12.37	-11.78	-11.73	-12.02	-12.16	-11.68	-10.76	-9.67	-8.82	-8.14	-7.37	-7.11	-7.52	-8.46	-9.66	-10.58	-11.05	-11.38	-11.64	-12.09	-12.45	-12.69	-12.81	-12.61	-12.37
θ (180°)	-14.45	-13.63	-13.33	-13.81	-14.84	-16.72	-19.22	-22.34	-23.15	-19.96	-16.72	-14.24	-12.80	-11.73	-11.28	-11.61	-12.43	-13.63	-15.39	-18.62	-26.19	-32.33	-20.29	-15.74	-14.45
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°)	-4.60	-2.54	-0.31	1.21	2.19	2.66	2.60	1.99	0.81	-1.10	-3.71	-5.95	-5.59	-3.13	-0.83	0.78	1.70	2.09	1.93	1.26	-0.04	-1.99	-4.53	-6.32	-4.60
θ (15°)	-6.48	-3.55	-0.82	1.10	2.24	[2.69]	2.52	1.85	0.72	-0.91	-3.02	-4.83	-4.47	-2.22	-0.29	0.75	1.07	0.81	0.12	-0.94	-2.27	-3.75	-5.43	-6.72	-6.48
θ (30°)	-10.14	-7.31	-3.44	-0.85	0.58	1.19	1.26	0.92	0.22	-0.93	-2.71	-5.72	-9.88	-6.68	-2.22	-0.19	0.05	-0.80	-2.00	-3.20	-4.23	-5.18	-6.58	-9.14	-10.14
θ (45°)	-17.28	-13.64	-8.08	-3.92	-1.37	-0.24	0.12	-0.33	-1.87	-4.35	-6.95	-10.36	-28.69	-8.41	-2.47	-0.60	-0.80	-1.79	-2.81	-3.69	-4.33	-5.14	-6.96	-9.71	-17.28
θ (60°)	-20.81	-17.54	-9.75	-6.16	-2.88	-0.01	1.46	1.29	-0.56	-4.51	-12.42	-19.48	-11.52	-9.88	-5.61	-2.67	-2.30	-2.86	-3.26	-3.60	-4.37	-5.48	-7.09	-10.10	-20.81
θ (75°)	-31.62	-12.14	-5.57	-3.13	-1.53	0.57	2.02	2.10	0.27	-3.99	-11.84	-26.29	-12.82	-9.12	-6.50	-4.34	-4.12	-6.05	-6.27	-4.88	-5.11	-6.29	-8.11	-11.58	-31.62
θ (90°)	-18.15	-12.34	-4.94	-0.96	-0.37	-0.19	1.29	2.24	0.82	-3.90	-11.36	-16.19	-17.59	-12.45	-8.38	-6.82	-6.02	-6.61	-7.91	-8.11	-7.16	-6.63	-8.16	-13.36	-18.15
θ (105°)	-24.76	-9.50	-4.27	-1.52	-0.62	0.03	0.98	0.54	-3.18	-12.28	-33.63	-19.65	-19.38	-17.07	-9.36	-8.64	-8.65	-6.93	-6.74	-8.55	-8.49	-8.05	-9.92	-13.40	-24.76
θ (120°)	-17.44	-8.99	-4.59	-3.75	-3.73	-2.87	-2.07	-2.87	-6.39	-8.25	-8.43	-14.98	-23.12	-20.86	-22.07	-14.87	-10.34	-8.65	-11.39	-15.56	-14.13	-10.75	-10.84	-14.01	-17.44
θ (135°)	-22.79	-13.20	-6.78	-5.64	-7.82	-10.88	-9.91	-7.79	-6.23	-4.92	-6.14	-12.05	-20.78	-16.57	-12.14	-9.21	-9.70	-14.54	-20.67	-18.68	-13.06	-10.23	-10.09	-11.96	-22.79
θ (150°)	-23.84	-18.53	-15.91	-17.46	-28.09	-18.01	-11.46	-8.70	-6.77	-5.55	-6.17	-9.61	-18.38	-19.11	-16.62	-21.29	-32.90	-21.09	-15.54	-12.27	-11.79	-13.23	-16.05	-21.51	-23.84
θ (165°)	-18.02	-16.93	-15.55	-13.65	-11.81	-10.40	-9.66	-9.40	-9.63	-10.77	-13.55	-19.15	-24.51	-17.22	-15.10	-16.04	-18.83	-21.15	-21.28	-21.61	-22.40	-22.38	-21.19	-20.25	-18.02
θ (180°)	-18.56	-22.79	-28.17	-22.34	-18.21	-15.74	-14.06	-13.00	-12.78	-13.24	-14.08	-15.48	-18.08	-22.73	-28.60	-22.97	-18.63	-15.86	-13.76	-12.46	-11.99	-12.03	-12.51	-13.94	-18.56

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°)	[3.09]	2.81	1.88	0.19	-2.53	-6.85	-10.62	-6.37	-2.23	0.28	1.71	2.48	2.53	1.97	0.94	-0.74	-3.44	-7.30	-9.30	-5.46	-1.96	0.36	1.86	2.75	3.09	
θ (15°)	2.45	2.36	1.43	-0.50	-3.98	-11.15	-15.15	-5.79	-1.55	0.85	2.27	2.91	2.86	2.18	0.67	-1.82	-5.20	-8.42	-7.64	-4.71	-2.31	-0.59	0.74	1.51	2.45	
θ (30°)	0.56	1.02	0.80	-0.73	-4.07	-11.11	-19.68	-7.62	-3.21	-1.07	0.16	1.13	1.79	1.81	0.79	-1.55	-5.34	-9.69	-10.34	-7.88	-5.70	-4.12	-2.64	-1.07	0.56	
θ (45°)	-2.90	-2.40	-2.37	-4.03	-9.41	-21.87	-11.82	-6.36	-3.42	-2.18	-1.54	-0.80	-0.04	0.22	-0.61	-2.90	-6.70	-10.88	-11.63	-9.71	-7.63	-5.87	-4.71	-4.12	-2.90	
θ (60°)	-9.47	-9.28	-7.84	-7.42	-10.03	-15.26	-20.53	-22.28	-9.39	-6.30	-5.52	-4.73	-4.16	-3.99	-3.69	-3.88	-5.58	-9.97	-14.26	-11.99	-8.10	-6.15	-6.01	-7.40	-9.47	
θ (75°)	-22.63	-14.07	-10.28	-7.54	-10.60	-13.98	-10.95	-10.54	-8.87	-8.23	-9.51	-7.90	-5.60	-5.88	-7.22	-5.90	-5.93	-11.32	-13.05	-9.69	-8.71	-9.79	-11.26	-13.11	-22.63	
θ (90°)	-17.24	-11.82	-14.20	-12.96	-14.55	-14.23	-9.37	-8.20	-9.57	-11.81	-22.21	-24.83	-10.30	-5.73	-6.78	-11.12	-11.44	-13.58	-8.54	-7.39	-8.26	-8.61	-10.17	-16.52	-17.24	
θ (105°)	-20.32	-25.16	-18.56	-15.28	-19.29	-16.09	-10.68	-10.75	-13.68	-18.71	-14.27	-11.15	-18.28	-9.92	-7.65	-14.03	-15.04	-19.35	-13.49	-8.33	-6.12	-5.84	-7.51	-11.70	-20.32	
θ (120°)	-12.68	-15.57	-14.38	-10.59	-17.39	-25.68	-13.96	-11.84	-21.32	-23.03	-37.52	-19.16	-19.09	-27.04	-17.62	-19.46	-9.87	-7.19	-10.50	-19.43	-12.66	-9.61	-13.19	-22.37	-12.68	
θ (135°)	-9.58	-14.75	-14.55	-12.97	-15.47	-21.35	-21.98	-20.57	-20.08	-17.42	-17.38	-17.25	-15.94	-16.25	-20.23	-45.33	-18.75	-13.77	-11.97	-10.32	-8.47	-6.84	-5.96	-6.12	-9.58	
θ (150°)	-13.76	-17.91	-17.75	-21.95	-17.80	-10.72	-8.56	-8.85	-10.46	-13.80	-20.10	-40.66	-22.26	-15.34	-11.64	-10.19	-11.12	-15.23	-28.02	-14.46	-9.18	-7.25	-7.13	-8.66	-13.76	
θ (165°)	-11.85	-10.91	-10.76	-11.16	-11.51	-11.21	-10.52	-9.79	-9.17	-8.62	-8.30	-8.30	-9.06	-10.42	-11.60	-11.87	-11.59	-11.47	-11.92	-13.13	-14.55	-15.22	-14.70	-13.33	-11.85	
θ (180°)	-15.43	-14.25	-13.50	-13.41	-13.89	-15.56	-18.78	-23.75	-34.19	-27.61	-20.27	-16.06	-13.39	-11.41	-10.50	-10.45	-10.77	-11.59	-13.15	-15.80	-20.13	-25.62	-21.86	-16.99	-15.43	
Polarity	Phi																									
dB	φ (0°)	φ (15°)	φ (30°)	φ (45°)	φ (60°)	φ (75°)	φ (90°)	φ (105°)	φ (120°)	φ (135°)	φ (150°)	φ (165°)	φ (180°)	φ (195°)	φ (210°)	φ (225°)	φ (240°)	φ (255°)	φ (270°)	φ (285°)	φ (300°)	φ (315°)	φ (330°)	φ (345°)	φ (360°)	
θ (0°)	-9.87	-5.60	-1.77	0.57	1.91	2.56	2.64	2.22	1.17	-0.72	-3.64	-7.66	-9.10	-5.41	-2.20	-0.03	1.22	1.79	1.82	1.37	0.30	-1.62	-4.88	-10.28	-9.87	
θ (15°)	-7.12	-2.98	0.04	2.02	3.16	[3.63]	3.54	2.93	1.78	-0.04	-2.75	-5.79	-6.27	-3.81	-1.51	-0.24	0.19	0.00	-0.66	-1.68	-3.17	-5.28	-8.08	-9.61	-7.12	
θ (30°)	-8.43	-5.21	-1.31	1.18	2.37	2.50	2.00	1.18	0.07	-1.13	-2.43	-4.16	-5.68	-4.27	-1.51	0.10	0.46	-0.01	-0.99	-2.27	-3.70	-5.21	-7.04	-9.24	-8.43	
θ (45°)	-11.02	-9.23	-5.21	-1.79	0.06	0.48	0.61	0.39	-0.59	-2.04	-4.02	-7.07	-12.97	-7.91	-2.36	-0.48	-0.66	-1.30	-1.82	-2.91	-4.62	-6.29	-7.72	-8.88	-11.02	
θ (60°)	-13.96	-22.92	-22.45	-9.99	-4.22	-1.06	1.24	1.56	0.14	-2.58	-7.02	-12.69	-17.22	-14.72	-4.49	-1.64	-2.27	-3.81	-3.43	-3.21	-4.55	-5.81	-6.60	-8.43	-13.96	
θ (75°)	-21.27	-13.33	-7.11	-5.82	-3.78	-0.11	2.12	2.04	0.02	-4.13	-10.13	-23.39	-16.82	-11.78	-7.02	-3.94	-3.59	-5.79	-5.86	-4.91	-6.00	-6.04	-6.02	-8.10	-21.27	
θ (90°)	-26.30	-11.48	-4.38	-1.43	-1.42	-0.89	1.15	2.58	1.23	-4.28	-11.41	-13.78	-13.69	-12.26	-9.51	-7.16	-4.96	-4.64	-7.05	-7.94	-8.15	-6.65	-6.79	-9.28	-26.30	
θ (105°)	-26.20	-9.28	-4.51	-2.31	-1.12	-0.02	1.49	1.71	-1.93	-11.87	-22.09	-15.62	-16.24	-15.60	-8.81	-7.31	-6.04	-5.18	-7.59	-9.95	-7.99	-6.23	-8.29	-11.22	-26.20	
θ (120°)	-22.18	-9.94	-4.64	-3.40	-3.30	-2.39	-1.25	-1.81	-6.88	-12.26	-9.87	-15.20	-23.66	-28.48	-17.38	-11.67	-7.12	-5.34	-9.76	-18.96	-16.10	-8.80	-8.07	-11.31	-22.18	
θ (135°)	-18.63	-14.43	-6.47	-4.93	-6.99	-9.41	-8.19	-7.57	-8.04	-6.78	-7.88	-14.19	-19.13	-18.11	-14.13	-10.06	-9.47	-11.41	-16.50	-19.96	-14.64	-10.41	-9.03	-10.16	-18.63	
θ (150°)	-22.93	-17.42	-14.49	-16.36	-22.30	-13.60	-9.06	-7.65	-6.68	-5.82	-6.56	-10.31	-20.51	-18.83	-17.67	-25.56	-22.45	-19.32	-16.25	-11.27	-9.73	-11.40	-16.10	-26.71	-22.93	
θ (165°)	-12.71	-11.81	-11.15	-10.48	-9.76	-9.20	-9.06	-9.22	-9.54	-10.44	-12.61	-16.53	-18.84	-16.29	-14.90	-15.66	-18.51	-20.89	-20.99	-20.24	-19.00	-17.09	-15.19	-14.13	-12.71	
θ (180°)	-16.76	-19.94	-28.13	-27.99	-19.93	-16.19	-13.95	-12.64	-12.04	-12.12	-12.76	-13.77	-16.03	-19.60	-26.06	-30.06	-21.67	-17.06	-14.27	-12.49	-11.49	-11.06	-11.31	-12.69	-16.76	

Ant.	No.2																								
Freq. (MHz)	2500																								
Polarity	Theta																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	2.13	1.88	0.99	-0.63	-3.21	-7.13	-9.79	-6.17	-2.66	-0.34	1.12	1.92	2.08	1.65	0.68	-1.03	-3.75	-7.72	-10.24	-6.78	-3.10	-0.62	0.93	1.83	2.13
$\theta(15^\circ)$	1.74	2.03	1.62	0.24	-2.62	-8.78	-18.55	-5.88	-1.29	1.05	2.25	[2.69]	2.43	1.31	-0.54	-2.90	-5.81	-8.89	-9.66	-7.33	-4.38	-2.00	-0.25	0.71	1.74
$\theta(30^\circ)$	0.17	0.79	0.93	0.01	-2.42	-7.75	-15.57	-7.29	-3.21	-1.20	0.02	0.90	1.35	0.95	-0.48	-2.83	-5.81	-8.86	-10.35	-9.33	-7.13	-5.04	-3.27	-1.65	0.17
$\theta(45^\circ)$	-3.77	-2.62	-2.07	-2.65	-5.22	-12.07	-12.16	-6.64	-4.28	-2.81	-2.20	-1.99	-1.61	-1.59	-2.54	-4.30	-5.79	-7.13	-8.69	-9.64	-9.49	-7.84	-6.05	-5.19	-3.77
$\theta(60^\circ)$	-9.00	-8.81	-8.22	-8.53	-10.34	-13.06	-14.92	-17.77	-9.42	-4.75	-3.67	-3.60	-3.87	-4.41	-5.15	-6.18	-5.94	-5.84	-7.56	-11.84	-15.00	-10.11	-7.29	-7.42	-9.00
$\theta(75^\circ)$	-18.56	-16.73	-11.88	-10.16	-11.07	-10.16	-9.58	-15.27	-8.27	-5.26	-5.14	-4.73	-3.91	-4.70	-7.08	-7.07	-5.57	-7.07	-12.76	-26.10	-16.75	-10.12	-8.13	-9.12	-18.56
$\theta(90^\circ)$	-15.90	-9.90	-10.15	-14.97	-17.46	-14.89	-9.39	-11.31	-10.96	-8.17	-11.24	-14.68	-12.29	-7.82	-7.99	-8.94	-7.98	-11.36	-20.59	-13.57	-12.97	-10.57	-8.08	-11.25	-15.90
$\theta(105^\circ)$	-19.11	-17.14	-19.94	-19.65	-17.28	-17.58	-9.89	-10.19	-10.74	-9.47	-14.41	-13.92	-17.96	-13.45	-9.70	-13.33	-17.52	-23.24	-18.01	-12.57	-9.01	-6.45	-6.24	-9.52	-19.11
$\theta(120^\circ)$	-14.45	-14.73	-21.75	-28.66	-17.28	-15.66	-11.10	-10.19	-15.54	-13.82	-13.19	-14.35	-14.80	-19.23	-19.32	-21.47	-15.43	-9.80	-12.69	-21.10	-12.53	-8.08	-9.70	-18.05	-14.45
$\theta(135^\circ)$	-10.48	-16.41	-20.33	-15.76	-13.09	-13.61	-13.89	-14.75	-17.13	-24.83	-21.78	-18.25	-19.32	-19.35	-19.53	-25.13	-19.26	-13.79	-12.44	-13.24	-11.86	-8.05	-6.34	-6.55	-10.48
$\theta(150^\circ)$	-16.00	-23.03	-23.77	-22.06	-18.35	-13.53	-11.19	-10.46	-10.35	-11.92	-15.62	-18.61	-19.31	-17.29	-13.78	-12.23	-13.66	-20.21	-23.82	-13.49	-10.57	-10.11	-10.37	-11.44	-16.00
$\theta(165^\circ)$	-11.57	-11.55	-12.16	-13.07	-13.26	-12.73	-12.00	-11.29	-10.69	-10.49	-10.24	-9.91	-10.36	-11.70	-13.26	-13.91	-13.64	-13.27	-12.97	-12.65	-12.34	-12.41	-12.29	-11.75	-11.57
$\theta(180^\circ)$	-22.91	-20.00	-18.04	-16.90	-16.37	-17.23	-19.24	-22.02	-25.21	-31.95	-30.67	-21.85	-18.16	-15.48	-13.76	-13.00	-12.73	-12.93	-13.36	-14.33	-16.23	-19.26	-23.43	-24.69	-22.91
Polarity	Phi																								
dB	$\varphi(0^\circ)$	$\varphi(15^\circ)$	$\varphi(30^\circ)$	$\varphi(45^\circ)$	$\varphi(60^\circ)$	$\varphi(75^\circ)$	$\varphi(90^\circ)$	$\varphi(105^\circ)$	$\varphi(120^\circ)$	$\varphi(135^\circ)$	$\varphi(150^\circ)$	$\varphi(165^\circ)$	$\varphi(180^\circ)$	$\varphi(195^\circ)$	$\varphi(210^\circ)$	$\varphi(225^\circ)$	$\varphi(240^\circ)$	$\varphi(255^\circ)$	$\varphi(270^\circ)$	$\varphi(285^\circ)$	$\varphi(300^\circ)$	$\varphi(315^\circ)$	$\varphi(330^\circ)$	$\varphi(345^\circ)$	$\varphi(360^\circ)$
$\theta(0^\circ)$	-10.98	-7.05	-3.14	-0.64	0.89	1.71	1.83	1.34	0.11	-2.04	-5.14	-8.62	-8.81	-5.38	-2.38	-0.33	0.99	1.75	1.91	1.46	0.41	-1.32	-4.03	-8.42	-10.98
$\theta(15^\circ)$	-15.67	-6.46	-1.85	0.87	2.44	[3.18]	3.15	2.33	0.78	-1.48	-4.09	-5.18	-3.56	-1.67	-0.53	0.03	0.20	0.15	-0.14	-0.80	-1.95	-3.81	-6.96	-11.52	-15.67
$\theta(30^\circ)$	-11.61	-6.70	-1.78	1.15	2.53	2.64	1.84	0.60	-0.55	-1.59	-2.92	-4.57	-4.89	-2.71	-0.72	0.04	-0.18	-0.79	-1.22	-1.53	-2.36	-4.03	-6.58	-10.29	-11.61
$\theta(45^\circ)$	-8.75	-7.02	-3.44	-0.04	1.63	1.27	0.10	-0.16	-0.44	-1.74	-4.04	-7.66	-13.16	-7.05	-2.31	-0.62	-0.65	-1.29	-1.73	-2.15	-3.33	-5.85	-8.92	-9.86	-8.75
$\theta(60^\circ)$	-9.74	-11.63	-11.85	-4.43	-0.19	0.61	0.71	1.36	0.25	-2.46	-5.78	-9.69	-16.92	-13.93	-4.47	-2.29	-2.89	-2.89	-2.14	-2.23	-3.67	-6.73	-9.45	-9.60	-9.74
$\theta(75^\circ)$	-14.06	-27.86	-11.88	-5.31	-1.23	0.47	1.83	1.51	-1.12	-3.34	-4.99	-9.82	-21.65	-11.17	-5.03	-3.57	-5.21	-5.62	-3.23	-3.10	-5.41	-7.27	-7.10	-7.76	-14.06
$\theta(90^\circ)$	-18.80	-17.38	-5.90	-1.96	-1.72	-2.00	-0.07	1.03	-0.92	-4.54	-7.44	-12.55	-20.42	-10.98	-7.27	-5.38	-5.61	-6.18	-5.15	-4.98	-8.93	-10.55	-7.15	-7.11	-18.80
$\theta(105^\circ)$	-23.76	-7.71	-2.61	-1.50	-2.38	-2.52	-0.78	-0.45	-3.45	-10.01	-14.26	-13.93	-15.91	-15.96	-8.65	-6.85	-6.84	-5.84	-5.46	-8.26	-12.63	-9.28	-7.69	-8.55	-23.76
$\theta(120^\circ)$	-14.53	-9.64	-3.45	-2.41	-3.92	-4.69	-3.64	-2.94	-5.47	-12.56	-15.40	-20.95	-19.66	-20.32	-13.61	-10.73	-8.78	-6.71	-8.37	-10.17	-13.65	-10.56	-9.17	-9.62	-14.53
$\theta(135^\circ)$	-13.10	-9.97	-4.87	-4.52	-8.87	-16.19	-10.14	-6.29	-6.47	-8.11	-11.14	-22.15	-21.41	-20.14	-13.49	-8.51	-7.16	-10.29	-16.25	-23.04	-16.84	-11.11	-9.84	-10.38	-13.10
$\theta(150^\circ)$	-11.46	-10.07	-10.09	-13.81	-33.90	-14.52	-9.87	-9.01	-9.04	-8.66	-9.46	-13.59	-23.48	-19.43	-21.60	-17.49	-12.06	-12.04	-15.68	-15.00	-11.92	-10.97	-11.85	-13.62	-11.46
$\theta(165^\circ)$	-18.73	-17.27	-15.08	-13.08	-11.56	-10.44	-10.19	-10.75	-11.53	-11.98	-12.78	-13.99	-14.44	-14.32	-15.09	-18.05	-24.96	-25.95	-20.81	-19.43	-19.19	-18.77	-18.22	-18.34	-18.73
$\theta(180^\circ)$	-16.43	-17.52	-19.96	-24.71	-37.58	-27.01	-21.75	-18.99	-17.72	-16.94	-16.66	-17.01	-18.54	-20.25	-23.08	-26.69	-26.93	-22.90	-19.76	-17.59	-15.81	-14.55	-14.17	-14.49	-16.43