Antenna Composite Gain Test Report

Equipment	Wi-Fi 6 Access Point
Brand Name	Cisco
Model Name	MR78-HW,GR62-HW
Applicant	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Sample Received	Mar. 22, 2022
Start Test Date	Mar. 23, 2022
Final Test Date	Mar. 23, 2022

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History of this test report

Report No.	Version	Description	Issued Date
AP232209AA	01	Initial issue of report	Jul. 11, 2022

1. Operation Mode and Antenna Information

Antenna Position	RF Port	Brand Name	Model Name	Ant. Type	Connector	Modes of Operation
2G 5G Ant1	1	CISCO	95XEAK15.007	Dipole	I-PEX	2.4GHz & 5GHz UNII 1~3
2G 5G Ant2	2	CISCO	95XEAK15.006	Dipole	I-PEX	2.4GHz & 5GHz UNII 1~3

Note:

2.4GHz and 5GHz Operation Mode (1TX, 2TX/2RX)

For 1TX:

Only 2G 5G Ant1 can be used as transmitting antenna.

For 2TX/2RX

2G 5G Ant1~2 can be used as transmitting/receiving antenna.

2G 5G Ant1~2 could transmit/receive simultaneously.

2. Table for Multiple Listing

Model Name	Description
MR78-HW	All the models are identical, the difference model for difference brand served as marketing strategy.
GR62-HW	

Note 1: From the above models, model: MR78-HW was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

3. Table for EUT Information

EUT	Item	Source	Brand Name	Model Name
1	LAN Chip	Main	Qualcomm	QCA8081
2		Second	Qualcomm	QCA8080

Note 1: After evaluating, EUT 1 was selected to perform for all tests.

Note 2: The above information was declared by manufacturer

4. Test Frequency

The listed frequency of each bands are selected to represent each frequency bands

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

5. Testing Location

Testing Location		
☒	HWA YA	ADD : No.13-1 & 14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan R.O.C.

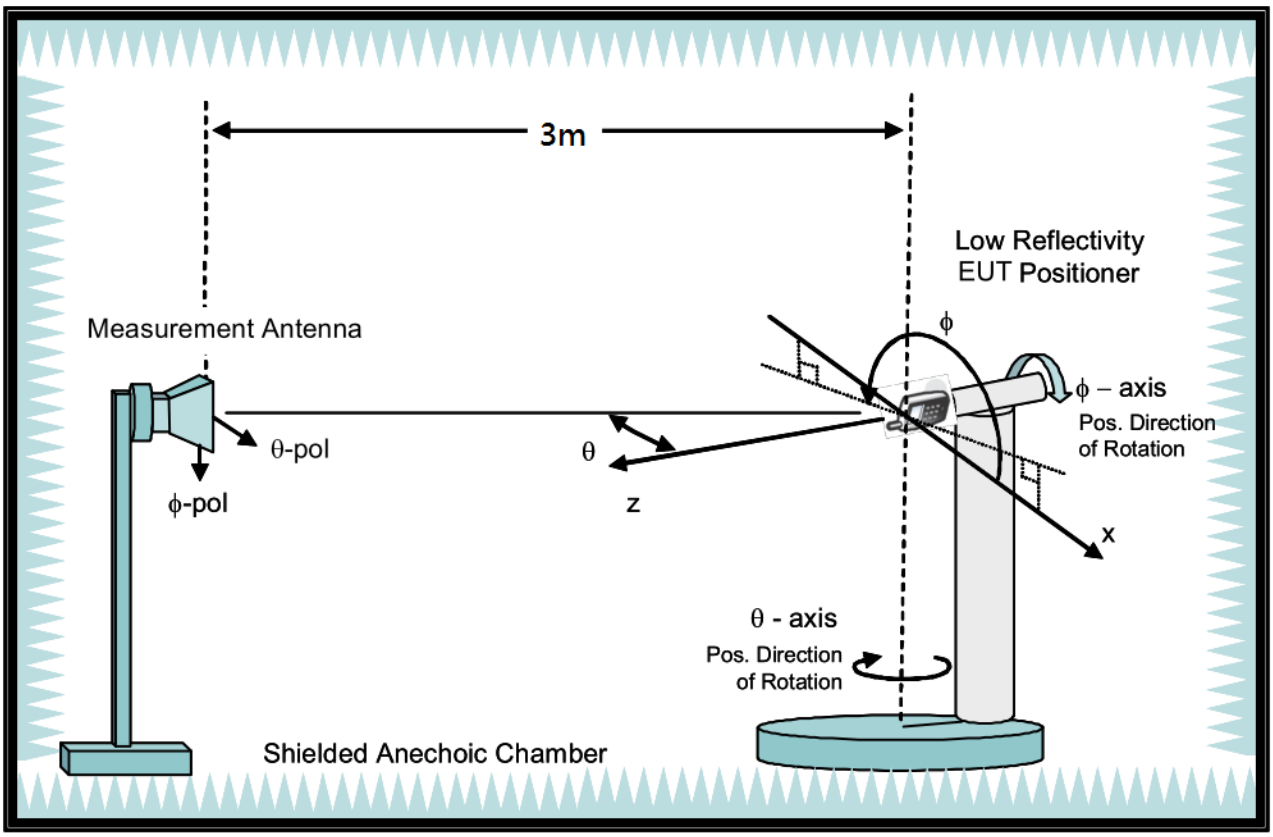
Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
Radiated	05CH03-HY	Rex Liao	23.5-24.5 / 50-55	Mar. 23, 2022

Note:
Testing Site Information
Brand Name: TDK
Dimension: 11m*6m*6m
Characteristic: Fully Anechoic Chamber

6. Test Facility and Configuration

Test configuration: Reference to CITA OTA distributed-axes system configuration.
Chamber: Fully Anechoic Chamber.
Measurement antenna: Single Polarization Horn antenna calibrated according to ANSI C63.5.
Turntable: Multi-axis positioner (Theta and Phi angle).

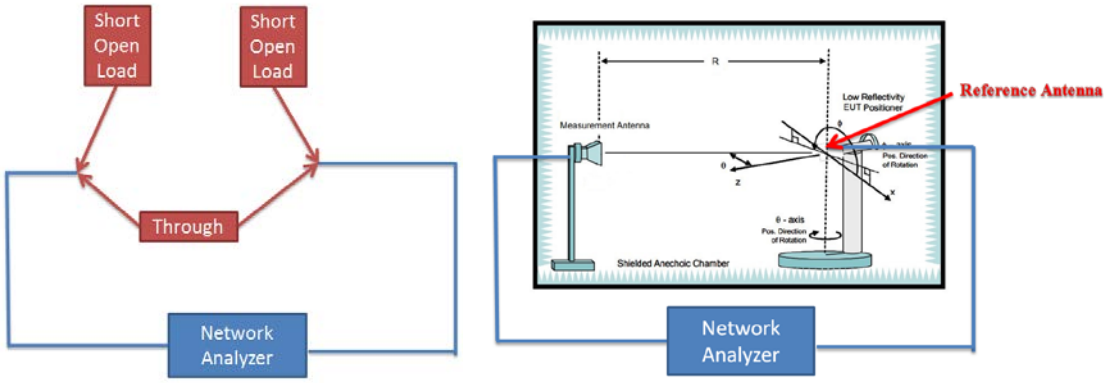
#Reference to CTIA “ctia-test-plan-for-wireless-device-over-the-air-performance-ver-3-7-1”



7. Reference Calibration

Connected cables to VNA calibration kit and use network analyzer internal function to do calibration. Do short, open and load to each side. Then connect through to both side and calibrate G values. The cable loss is calibrated and set inside the network analyzer.

Measurement Antenna is connected to port1 of Network analyzer and reference antenna connected to port 2 of Network Analyzer. Record G values and used with reference antenna gain to calculate gain factor.



Frequency (MHz)	2400	2450	2500	5150	5200	5300	5600	5750	5800	5900	6000	6500	7000	7500
G reading (dB)	-31.4	-31.4	-31.3	-31.3	-31	-30.7	-30.1	-30.5	-30.5	-30.8	-31.3	-32.8	-34.4	-35.4
Reference gain (dBi)	10.2	10.4	10.6	12.4	12.8	13.4	13.4	13.3	13.3	13.1	13.2	12.3	11.7	11.1
Factor (dB)	41.34	41.55	41.68	43.24	43.56	43.68	43.79	43.91	43.99	44.43	44.49	45.24	46.12	46.31

Note:

G reading (dB) =20*log(V2/V1)=10*log(P2/P1)

V2 is the voltage of VNA port2 is measured, V1 is the voltage of VNA port1 is the reference source.

P2 is the power of VNA port2 is measured, P1 is the power of VNA port1 is the reference source.

Factor = gain factor + power gain conversion= (Reference antenna gain)-(G reading)

8. Test Method

EUT set on multi-axis positioner and adjust EUT's physical center to measurement reference center. Measurement antenna set at phi polarization and 1.5 meter height. Port 1 of Network analyzer connect to antenna 1 of EUT. Record G value every 15 degree from 0 to 345 degree on Phi angle and 0 to 180 on theta angle of multi-axis positioner. Then set measurement antenna to theta polarization and repeat process. Repeat process to each antenna of EUT.

DG steps:

1. Each Phi and Theta polarization antenna gain are measured for all test angles.
2. Composite Phi and Theta antenna gain are computed, using formula in KDB662911 D01 d) (i) and e) (ii), for all angles.
3. Composite antenna gain are examined for all angles to determine max gain and Phi/Theta position. Max gain and phi/theta position are listed in section 9 tables.

Note: Antenna gain = G reading + factor, The factor of chapter five includes reference antenna gain factor and power gain conversion.

9. Measured Values and Calculation of Maximum Gain Positions

DG_1SS max value position

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	-1.2	-2.41	2.1	3.66	4.47
Ant. 2 (dBi)	3.19	3	-1.32	-2.1	-1.64
DG [1SS] (dBi)	4.28	3.72	3.57	4.26	4.95
Polarization	Theta	Theta	Theta	Theta	Theta
Θ(°)	75	75	120	90	90
Φ(°)	165	240	255	300	300

Note: The DG 1SS max value position is the maximum value of section 13 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 [10^(G/20)]	10^(-1.2/20)	10^(-2.41/20)	10^(2.1/20)	10^(3.66/20)	10^(4.47/20)
Ant. 2 [10^(G/20)]	10^(3.19/20)	10^(3/20)	10^(-1.32/20)	10^(-2.1/20)	10^(-1.64/20)
Ant. 1 [10^(G/20)] value	0.871	0.758	1.274	1.524	1.673
Ant. 2 [10^(G/20)] value	1.444	1.413	0.859	0.785	0.828
Sum All Antenna [Amax]	2.315	2.17	2.133	2.309	2.501
DG [10*log(Amax^2/Nant)]	4.28	3.72	3.57	4.26	4.95

Note:

Directional Gain (1SS) is the max value of every look angle. Each position value is calculated by KDB662911 D01 d) (i).

Directional gain (1SS) = $10*\log(10^{(G_{ant1}/20)}+10^{(G_{ant2}/20)}+ +10^{(G_{ant3}/20)} +10^{(G_{ant4}/20)}+\ldots..)^2/N_{ant}$)

10. Summary of Test Result

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	3.27	2.14	2.1	3.66	4.47
Ant. 2 Max Gain (dBi)	3.25	3	2.39	2.52	3.32
Ant. 1 Polarization/Θ(°)/Φ(°)	Theta/150/315	Theta/105/60	Theta/120/255	Theta/90/300	Theta/90/300
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/75/210	Theta/75/240	Theta/120/195	Theta/120/195	Theta/120/195
Max Gain (dBi)	3.27	3	2.39	3.66	4.47
DG [1SS] (dBi)	4.28	3.72	3.57	4.26	4.95
DG [2SS] (dBi)	3.27	3	2.39	3.66	4.47

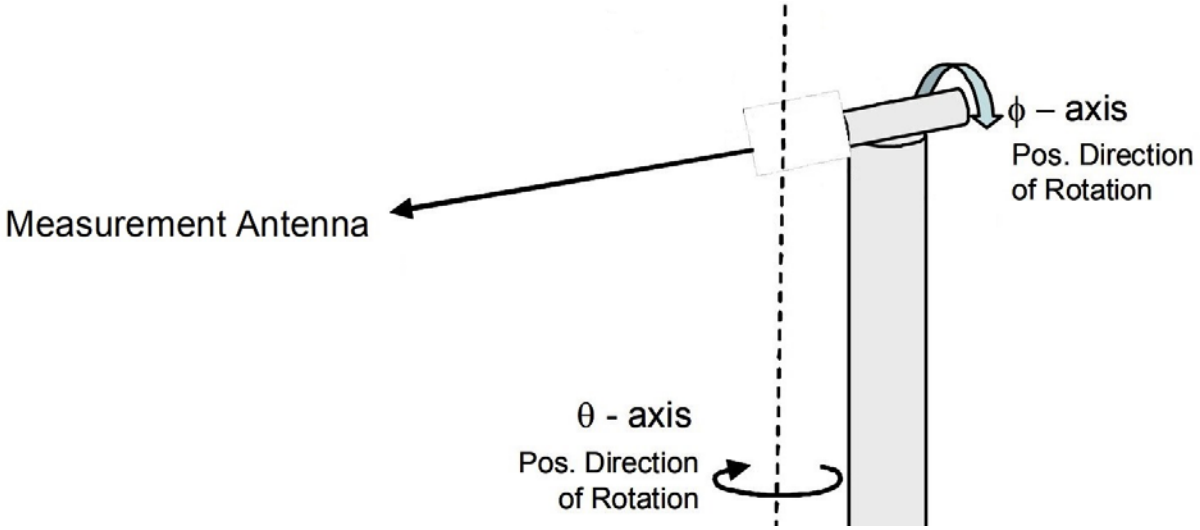
Note:

1. Antenna max gain is the max value of each individual antenna through all measurement angles.
2. The max gain is the max value of all antennas.
3. Directional Gain (2SS) = Directional Gain (1SS) – 3dB. If directional gain is less than max gain, use max gain as directional gain.

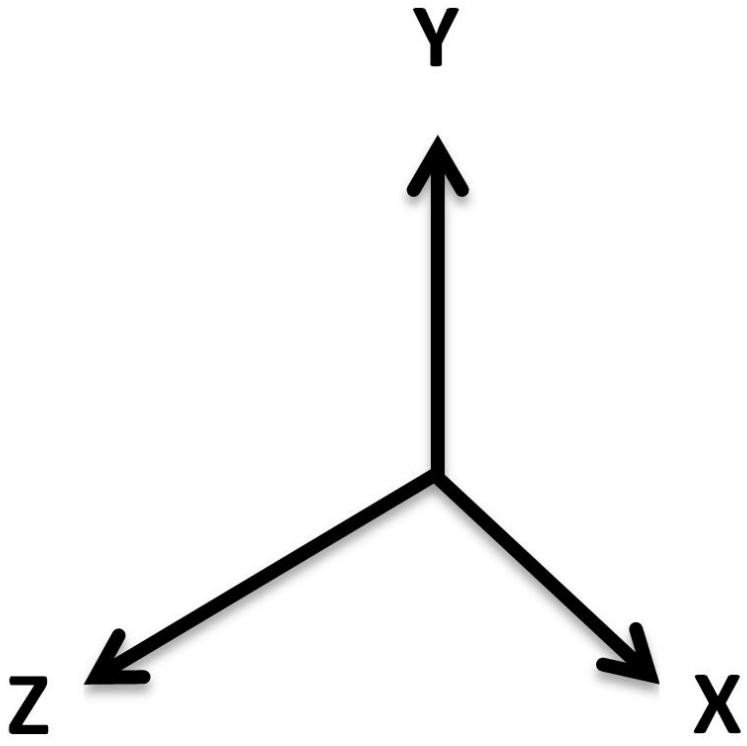
11. Test Setup

Test Position

Relative to the measurement antenna, first position 0 degrees of phi angle and theta angle.



Antenna Pattern Coordination



Note:

Photos of Test Position: Please refer to the test photos in the appendix.

12. Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 04, 2021	Aug. 03, 2022
ENA Series Network Analyzer	AGILENT	E5071C	MY46419201	100kHz~8.5GHz	Feb. 21, 2022	Feb. 20, 2023
Test Software	SPORTON	SENSE-RDG	V1.0.6	-	N.C.R.	N.C.R.

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

13. Test Results

Please refer to the appendix.

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Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	3.27	2.14	2.1	3.66	4.47
Ant. 2 Max Gain (dBi)	3.25	3	2.39	2.52	3.32
Ant. 1 Polarization/Θ(°)/Φ(°)	Theta/150/315	Theta/105/60	Theta/120/255	Theta/90/300	Theta/90/300
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/75/210	Theta/75/240	Theta/120/195	Theta/120/195	Theta/120/195
Max Gain (dBi)	3.27	3	2.39	3.66	4.47
DG [1SS] (dBi)	4.28	3.72	3.57	4.26	4.95
DG [2SS] (dBi)	3.27	3	2.39	3.66	4.47

DG 1SS Result

Freq(Hz)	2.45G	Pol.	Phi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-5.05	-5.23	-5.51	-5.36	-5.98	-7.6	-9.93	-9.59	-8.35	-6.51	-5.46	-4.79	-4.51	-5.02	-5.87	-7.67	-10.33	-10.93	-11.09	-8.2	-6.59	-5.41	-5.13	-5.13
Θ(15°)	-4.65	-3.79	-3.75	-4.32	-5.01	-5.79	-6.14	-7.52	-9.53	-9.1	-7.8	-6.56	-5.6	-5.17	-6.58	-7.91	-10.33	-11.99	-10.69	-7.55	-5.94	-5.57	-5.62	-5.16
Θ(30°)	-4.88	-4.56	-3.76	-3.5	-3.81	-4.32	-6.36	-7.95	-7.9	-9.02	-10.68	-10.02	-8.12	-7.51	-7.99	-7.36	-8.24	-9.06	-10.7	-10.13	-8.36	-6.7	-6.59	-5.78
Θ(45°)	-13.14	-11.52	-8.06	-6.64	-7.48	-6.92	-7.2	-6.15	-6.3	-8.13	-9.5	-10.67	-12.57	-11.14	-7.32	-6.11	-5.31	-6.9	-9.72	-10.8	-10.54	-11.65	-12.32	-13.65
Θ(60°)	-9.26	-10.07	-7.84	-7.08	-6.33	-4.86	-5.7	-6.68	-8.19	-7.94	-7.57	-7.57	-8.64	-9.43	-11.87	-15.43	-15.24	-12.99	-12.44	-12.6	-10.72	-7.03	-6.63	-8.02
Θ(75°)	-11.25	-10.35	-10.08	-8.45	-7.11	-8.57	-11.98	-11.55	-9.93	-11.86	-12.21	-13.89	-12.66	-10.35	-11.38	-11.72	-12.77	-13.69	-11.15	-9.14	-6.53	-7.27	-9.42	-11.55
Θ(90°)	-8.85	-7.62	-3.33	-1.84	-1.11	-2.75	-7.28	-9.21	-5.08	-6.15	-7.15	-10.61	-10.74	-9.74	-7.75	-7.39	-10.94	-14.05	-7.3	-4.1	-3.84	-5.84	-5.83	-7.3
Θ(105°)	-7.91	-6.38	-2.88	-1.03	0.05	-1.55	-5.62	-11.47	-9.51	-8.86	-8.07	-12.73	-15.5	-13.7	-10.56	-8.74	-11.65	-12.23	-9.03	-5.96	-4.47	-4.74	-7.42	-8.73
Θ(120°)	-13.47	-8.49	-5.41	-4.03	-1.62	-1.82	-6.36	-14.88	-9.19	-8.66	-8.6	-11.93	-14.37	-15.3	-9.6	-7.79	-10.61	-8.05	-8.23	-8.66	-8.38	-6.63	-7.67	-13.4
Θ(135°)	-6.4	-9.8	-7.73	-5.33	-5.49	-6.38	-6.25	-5.36	-7.61	-9.46	-10.04	-12.11	-15.65	-10.23	-7.51	-9.68	-13.06	-11.25	-8.92	-4.9	-5.09	-5.02	-4.98	-4.99
Θ(150°)	-11.47	-8.46	-6.85	-6.25	-8.72	-10.33	-9.18	-8.63	-9.95	-9.88	-8.89	-7.21	-5.61	-3.97	-3.57	-4.26	-4.89	-3.91	-3.35	-3.79	-5.19	-6.91	-9.89	-11.46
Θ(165°)	-9	-11.15	-15.23	-13.84	-9.87	-6.63	-5.28	-5.13	-5.41	-6.44	-7.68	-8.26	-8.45	-9.06	-9.84	-9.89	-9.89	-8.49	-6.3	-5.22	-4.31	-4.56	-6.11	-7.29
Θ(180°)	-6.75	-6.42	-6.3	-5.79	-4.67	-4.7	-5.85	-7.8	-10.09	-11.5	-12.44	-12.13	-12.66	-10.7	-9.18	-8.32	-8.25	-8.55	-9.38	-9.75	-10.56	-10.52	-9.78	-7.87
Freq(Hz)	2.45G	Pol.	Theta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-10.78	-10.22	-8.52	-7.56	-6.49	-6.03	-5.6	-5.51	-5.76	-6.54	-7.87	-10.29	-10.02	-10.35	-7.75	-6.12	-5.2	-4.55	-4.56	-4.94	-5.41	-6.5	-8.14	-10.47
Θ(15°)	-4.37	-3.4	-2.5	-1.86	-1.34	-0.87	-0.74	-0.21	-0.49	-1.23	-2.5	-4.64	-7.31	-8.81	-10.04	-11.49	-11.38	-10.22	-11.04	-10.34	-12.19	-11.26	-8.23	-5.94
Θ(30°)	-4.94	-3.35	-2.95	-1.99	-0.41	0.26	0.35	0.05	-0.52	-1.38	-2.72	-3.76	-4.63	-4.82	-5.43	-6.13	-7.29	-8.29	-10.19	-10.13	-9.9	-7.72	-6.89	-5.76
Θ(45°)	-0.99	0.24	0.21	-0.21	0.72	1.32	1.28	0.59	-0.79	-2.35	-2.88	-2.51	-2.71	-2.91	-3.34	-3.32	-2.79	-2.79	-2.76	-2.42	-1.74	-1.72	-2.21	-2.15
Θ(60°)	0.46	1.52	1.74	0.74	1.26	1.56	1.12	0.67	0.83	0.24	1.12	3	2.69	2.18	1.87	0.62	0.24	0.25	-0.27	-1.07	-1.63	-1.12	-0.41	-0.44
Θ(75°)	1.39	2.03	1.15	0.67	2.49	3.83	3.68	2.47	2.5	1.37	2.16	4.28	3.88	3.66	3.66	3.07	2.27	1.67	1.07	-0.58	-0.79	0.43	0.93	0.89
Θ(90°)	1.16	1.92	1.44	0.14	2.58	3.14	2.39	1.41	1.48	-0.16	2.05	3.39	2.96	2.21	1.13	1.27	1.82	2.16	2.34	1.47	1.05	1.29	1.01	1.29
Θ(105°)	1.44	0.56	-0.46	-1.93	0.2	-0.57	-2.63	-0.2	2.01	-0.01	-0.16	1.63	1.47	-0.51	0.34	0.29	1.23	2.03	2.07	2.5	2.85	-0.04	0.04	-0.26
Θ(120°)	0.25	0.15	-3.89	-8.01	-4.72	-1.82	-2.6	-1.67	0.35	0.37	2.39	3.27	1.04	-0.31	0.65	-0.63	-1.07	-1.35	-0.07	0.12	0.23	-0.41	-1.43	-1.4
Θ(135°)	-1.34	-0.38	-3.4	-7.69	-11.62	-15.51	-11.18	-4.68	-1.4	0.23	1.3	0.8	-1.33	-2.43	-1.42	-2.02	-3.75	-4.81	-3.33	-2.24	-3.36	-3.78	-4.24	-3.9
Θ(150°)	0.65	0.57	-0.13	-2.1	-4.49	-7.95	-9.22	-8.99	-7.57	-5.86	-5.51	-5.82	-5.95	-3.91	-2.47	-1.53	-0.58	0.52	2.3	3.44	3.87	3.71	2.83	1.55
Θ(165°)	-3.38	-3.24	-4.05	-5.12	-6.27	-7.12	-5.47	-4.23	-3.29	-3.48	-4.08	-4.3	-5.32	-5.56	-6.03	-6.71	-8.32	-9.49	-9.3	-9.07	-7.55	-5.66	-4.52	-4.25
Θ(180°)	-10.71	-11.11	-11.21	-12.13	-11.85	-10.6	-8.3	-6.59	-6.35	-6.77	-7.99	-8.9	-9.78	-9.2	-11.19	-11.83	-13.12	-11.48	-9.33	-8.46	-7.3	-6.86	-7.13	-8.22
Freq(Hz)	5.2G	Pol.	Phi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-7.23	-7.72	-7.31	-6.94	-4.96	-4.23	-4.34	-4.01	-4.46	-4.75	-5.5	-7.33	-9.3	-9.55	-7.64	-5.78	-4.93	-4.07	-3.86	-4.32	-4.46	-5.22	-6.32	-8.08
Θ(15°)	-7.77	-10.14	-9.88	-8.22	-6.98	-6.75	-6.82	-5.16	-4.02	-3.91	-2.7	-3.38	-5.29	-7.76	-10.68	-12.91	-9.48	-5.3	-5.32	-4.73	-5.58	-6.03	-7.43	-7.78
Θ(30°)	-5.65	-7.06	-9.28	-6.97	-4.31	-4.51	-4.49	-5.73	-6.3	-4.05	-3.11	-3.64	-3	-2.74	-4.68	-7.7	-13.88	-10.55	-6.41	-5.8	-7.04	-9.28	-9.29	-7.07
Θ(45°)	-10.98	-9.67	-12.87	-9.27	-6.73	-5.65	-8.78	-11.77	-9.2	-9.75	-11.4	-12.85	-9.81	-7.06	-2.29	-2.24	-5.38	-13.07	-4.69	-4	-6.3	-7.71	-8.13	-7.35
Θ(60°)	-8.43	-10.27	-13.06	-10.83	-7.08	-4.42	-9.32	-8.81	-8.1	-8.5	-10.07	-7.77	-7.29	-8.24	-11.81	-13.78	-8.58	-13.69	-10.48	-7.86	-7.91	-12.59	-15.58	-11.07
Θ(75°)	-7.24	-10.14	-13.66	-12.87	-9.81	-6.12	-7.62	-8.04	-5.16	-8.04	-11.27	-15.75	-13.07	-10.13	-12.7	-12.93	-6.21	-9.95	-10.01	-4.12	-5.02	-10.34	-8.6	-6.9
Θ(90°)	-14.25	-11.48	-9.96	-12.06	-11.37	-10.89	-6.55	-7.25	-6.69	-5.89	-6.46	-9.79	-10.93	-9.15	-14.78	-11.67	-8.94	-11.16	-14.31	-9.5	-6.08	-12.46	-15.81	-10.86
Θ(105°)	-10.91	-11.01	-12.52	-11.76	-4.37	-3.33	-4.46	-4.76	-4.95	-7.48	-6.04	-10.19	-15.94	-7.95	-8.38	-9.78	-11.63	-9.4	-15.21	-7.96	-8.82	-9.54	-8.32	-7.47
Θ(120°)	-9.59	-8.26	-8.08	-6.39	-5.91	-10.49	-9.28	-4.08	-2.14	-5.63	-8.22	-14.54	-10.53	-5.42	-7.82	-11.98	-6.55	-8.11	-11.53	-9.73	-6.62	-9.3	-12.78	-4.61
Θ(135°)	-9.32	-3.89	-3.37	-2.59	-3.57	-9.72	-9.24	-3.89	-1.7	-3.43	-5.97	-8.13	-10.87	-10.48	-7.42	-9.85	-2.24	-7.77	-12.01	-8.29	-2.26	-7.84	-11.08	-9.12
Θ(150°)	-10.19	-8.08	-5.02	-3.74	-7.2	-9.87	-10.38	-7.98	-6.53	-4.45	-4.08	-5.42	-9.51	-8.08	-5.79	-6.42	-10.13	-13.07	-12.8	-10.16	-12.53	-13.69	-11.23	-9.06
Θ(165°)	-15.55	-14.39	-12.25	-12.89	-14.17	-15.03	-12.49	-11.42	-9.48	-9.04	-8.68	-12.13	-11.85	-11.64	-11.91	-10.93	-12.23	-14.38	-15.02	-15.26	-15.22	-15.38	-14.85	-14.46
Θ(180°)	-7.35	-6.34	-6.95	-8.31	-10.43	-14.9	-15.3	-15.66	-13.11	-11.81	-10.04	-8.83	-7.56	-7.03	-5.71	-5.53	-7	-9.64	-12.17	-12.2	-11	-9.45	-8.64	-7.74
Freq(Hz)	5.2G	Pol.	Theta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-3.9	-3.85	-3.43	-3.78	-5.16	-7.67	-9.52	-9.82	-8.74	-8.25	-7.41	-5.7	-4.52	-3.75	-3.53	-3.84	-4.95	-7.35	-9.54	-10.91	-11.06	-9.69	-7.59	-6.02
Θ(15°)	-2.7	-2.07	-1.79	-1.77	-3.69	-4.84	-5.22	-4.52	-4.4	-4.8	-5.44	-6.77	-8.14	-9.37	-9.16	-8.72	-9.86	-11.57	-11.42	-10	-8.97	-8.65	-5.8	-3.97
Θ(30°)	-2.56	-1.57	-0.17	0.22	-0.3	-0.02	-0.86	-0.23	0.48	0.76	-0.25	-2.26	-4.41	-7.85	-8.26	-7.15	-9	-6.18	-2.94	-3.85	-3.24	-2.71	-2.55	-2.75
Θ(45°)	-2.28	-0.47	0.14	0.7	1.52	1.45	1.29	-1.23	-1.44	-0.79	-2.02	-1.65	-2.74	-0.71	-1.89	-2.86	-6.89	-3.89	-2.96	-1.69	-0.61	-0.09	-0.04	-0.1
Θ(60°)	-0.71	-0.58	-2.39	-2.73	-2.81	-1.25	1.18	0.58	0.13	0.2	-2.22	-1.42	-1.69	-1.04	-2.8	-0.39	-0.86	-1.81	-0.82	-0.95	-1.31	-1.32	-1.43	0.29
Θ(75°)	-1.59	-3.04	-3.71	-3.74	-4.15	-7.25	-0.06	2.09	1.5	-1.22	-3.5	-0.95	0.26	1.25	-0.7	-0.07	3.72	3.08	1	1.6	0.6	-1.47	-2.15	-1.18
Θ(90°)	-1.79	-2.15	-3.45	-3.17	-4.56	-5.62	-1.34	-1.3	-1.31	-4.65	-2.81	-0	0.47	0.62	-1.96	1.29	2.15	2.55	3.25	2.54	0.42	-1.46	-2.04	-1.88
Θ(105°)	-1.23	-1.39	-3.02	-1.5	1.56	1.36	1.24	-3.32	-4.89	0.73	1.01	-0.69	-0.76	1.53	-0.49	1.29	-1.64	1.46	0.98	0.96	1.22	-1.76	-2.92	-0.12
Θ(120°)	-2.9	-0.4	-1.1	-0.82	-0.41	2.64	1.74	-3.43	-5.89	-3	-0.64	-0.1	-0.12	0.78	-1.62	0.46	-0.7	3.28	-2.39	3.2	0.08	-0.02	-2.47	1.08
Θ(135°)	-2.32	-2.71	-5.23	-4.29	-2.65	-1.58	-1.73	-5.84	-3.79	-2.21	-3.73	-4.98	-7.34	-2.97	-4.99	-6.47	0.8	0.61	-10.18	0.59	-2.74	-6.87	-1.74	0.87
Θ(150°)	-15.4	-11.63	-8.57	-5.78	-4.7	-3.94	-1.98	0.02	-0.14	0.06	-1.67	-5.12	-6.29	-6.27	-5	-4.7	-2.36	-6.05	-9.19	-10.23	-9.62	-12.89	-13.59	-11.15
Θ(165°)	-8.87	-8.66	-8.29	-9.05	-9.33	-7.41	-5.49	-5.57	-5.92	-5.92	-5.52	-6.09	-6.92	-5.91	-6.62	-8.6	-9.75	-9.45	-10.38	-13.92	-12.93	-10.73	-12.44	-8.9
Θ(180°)	-9.17	-11.43	-13.9	-13.56	-9.56	-7.69	-6.53	-5.37	-5	-4.38	-4.92	-6.42	-9.58	-15.55	-14.94	-11.36	-7.42	-5.62	-6.25	-5.85	-5.61	-5.84	-6.32	-7.62
Freq(Hz)	5.3G	Pol.	Phi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-10.8	-11.76	-11.42	-8.87	-7.97	-7.28	-4.98	-5.75	-5.08	-6.08	-8.49	-10.18	-10.79	-13.28	-11.45	-9.22	-8.27	-6.81	-5.48	-6.62	-6.72	-6.5	-6.94	-9.07
Θ(15°)	-10.62	-10.1	-9.98	-8.58	-7.9	-7.47	-7.4	-6.56	-5.4	-5.76	-7.91	-8.03	-6.82	-7.9	-11.72	-9.66	-8	-6.75	-7	-6.54	-5.38	-4.84	-5	-8.39
Θ(30°)	-7.54	-7.67	-8.75	-7.99	-7.79	-6.08	-6.55	-8.93	-8.27	-5.93	-5.87	-6.39	-5.5	-4.48	-5.88	-8.47	-12.48	-9.75	-4.13	-5.61	-5.51	-6.22	-9.12	-11.19
Θ(45°)	-12.85	-10.85	-15.38	-11.58	-8.77	-6.82	-6.8	-7.11	-9.4	-9.4	-13.37	-13.75	-7.99	-5.51	-3.22	-2.88	-7.43	-13.84	-6.06	-6.02	-7.3	-7.08	-6.68	-7.71
Θ(60°)	-11.9	-12.46	-10.72	-12.81	-7.72	-6.7	-11.72	-7.7	-4.88	-7.12	-10.55	-12.64	-14.5	-13.52	-14.45	-10.15	-8.95	-15.26	-9.12	-6.28	-7.51	-11.92	-15.68	-14.49
Θ(75°)	-9.13	-9.96	-11.78	-15.37	-8.59	-7.49	-8.1	-7.74	-7.84	-14.16	-14.13	-11.93	-13.55	-10.81	-12.01	-15.73	-7.17	-8.26	-12.35	-4.31	-6.98	-13.48	-11.45	-10.84
Θ(90°)	-12.5	-11.35	-8.9	-10.52	-12.89	-11.02	-6.51	-7.37	-8.52	-7.92	-7.9	-12.17	-14.25	-10.68	-14.09	-12.93	-9.5	-10.47	-13.74	-11.29	-8.36	-12.67	-13.47	-10.85
Θ(105°)	-11.15	-7.91	-9.96	-11.49	-6.74	-3.58	-3.96	-3.56	-4.35	-7.05	-5.67	-8.48	-14.35	-8.53	-8.99	-8.67	-11.49	-9.11	-14.08	-8.65	-8.7	-8.83	-7.91	-7.03
Θ(120°)	-9.13	-9.31	-7.67	-7.57	-7.93	-11.5	-8.87	-7.11	-3.89	-5.76	-7.86	-14.12	-10.28	-6.24	-8.32	-14.13	-6.75	-10.92	-12.76	-7.48	-5.8	-8.79	-15.14	-5.38
Θ(135°)	-11.74	-3.97	-3.31	-1.29	-3.21	-11.84	-8.99	-4.99	-3.94	-4.73	-5.45	-6.61	-11.74	-11.04	-6.74	-9.05	-2.09	-6.1	-10.26	-8.68	-3.06	-6.64	-12.14	-6.83
Θ(150°)	-6.36	-5.59	-3.62	-4.23	-7.64	-12.09	-12.16	-9.42	-7.15	-4.74	-4.8	-6.13	-12.31	-9.29	-6.67	-7.76	-9.3	-11.54	-12.18	-11.54	-9.53	-8.6	-7.27	-7.04
Θ(165°)	-14.03	-14.99	-14.91	-13.76	-13.7	-15.34	-12.31	-9.38	-8.59	-10.28	-9.9	-12.52	-13.2	-11.61	-8.76	-8.56	-9.5	-11.92	-13.42	-13.48	-16.22	-14.8	-15.45	-14.67
Θ(180°)	-10.56	-8.1	-6.86	-7.33	-8.76	-11.32	-13.43	-15.41	-15.21	-16.11	-12.79	-9.4	-8.2	-7.45	-6.67	-5.94	-6.18	-9.08	-14.1	-14.26	-12.7	-12.2	-11.03	-9.44
Freq(Hz)	5.3G	Pol.	Theta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-5.08	-5.04	-6.4	-7.93	-8.71	-9.7	-11.09	-11.86	-13.17	-10.08	-7.05	-5.57	-5.98	-5.76	-6.67	-7.39	-8.28	-10.54	-12.04	-11.34	-11.05	-9.88	-8.45	-7.02
Θ(15°)	-2.37	-2.72	-3.2	-3.71	-3.59	-5.02	-4.81	-3.8	-3.05	-3.31	-4.4	-5.57	-6.2	-8.04	-9.96	-13.61	-14.42	-12.38	-12.23	-11.18	-10.38	-6.83	-3.97	-2.44
Θ(30°)	-2.79	-0.9	-0.28	-0.03	-0.94	-1.41	-0.9	-0.31	0.59	0.31	-1.1	-1.87	-3.75	-5.81	-7.02	-6.32	-5.74	-6.39	-5.54	-3.92	-1.35	-2.38	-3.06	-3.35
Θ(45°)	-3.02	-1.65	-1.38	0.59	1.28	-0.02	0.35	0.57	-0.4	-1.01	-2.48	-1.67	-3.26	-0.48	-1.04	-2.62	-5.35	-4.93	-3.99	-2.46	-4.26	-1.82	-0.75	-0.53
Θ(60°)	-1.39	-1.14	-2.79	-1.54	-2.37	-1.41	-0.13	-0.07	-2.1	-1.77	-2.51	-0.88	-1.82	-0.65	-0.86	-0.48	-2.06	-1.03	-0.11	-1	-1.08	-1.57	-1.61	-0.74
Θ(75°)	-0.13	-1.67	-2.59	-2.22	-2.35	-5.02	-1.68	2	1.59	-2.34	-3.03	-1.82	-0.3	1.07	-1.9	-0.25	3.08	3.4	1.32	0.61	-0.08	-0.69	-0.72	0.64
Θ(90°)	-0.84	-0.97	-2.52	-2.67	-4.36	-4.21	-1.1	-0.81	-2.76	-5.54	-3.61	-0.13	1.01	0.65	-1.8	0.54	1.63	1.27	2.58	3.04	2.19	-0.18	-1.19	0.45
Θ(105°)	-2.51	-1.1	-2.33	-2.19	0.44	1.65	1.04	-4.08	-5.47	0.18	1.18	-0.14	-0.6	1.01	-1.97	0.07	0.09	1.41	0.52	1.15	1.75	-1.68	-2.75	-0.28
Θ(120°)	-2.62	-0.37	-1.24	-0.6	-0.12	2.16	1.19	-4.61	-4.1	-0.96	0.54	-0.36	-0.29	1.32	-0.67	-0.02	0.65	3.57	-4.94	2.5	-0.18	-0.27	-1.86	1.19
Θ(135°)	-2.97	-2.2	-5.36	-5.28	-3.76	-3.28	-1.01	-4.93	-4.52	-3.42	-5.34	-4.65	-7.44	-2.49	-4.13	-7.47	-0.39	0.4	-8.19	0.76	-1.95	-5.3	-1.96	0.98
Θ(150°)	-11.08	-10.39	-10.19	-9.78	-7.61	-5.07	-1.77	0.17	-0.39	-0.91	-2.95	-6.38	-7.81	-9.53	-7.09	-6.34	-2.94	-6.8	-12.32	-9.57	-11.41	-11.54	-10.32	-8.63
Θ(165°)	-7.98	-8.72	-8.33	-8.16	-9.26	-9.27	-6.17	-4.22	-4.49	-5.09	-6.48	-6.69	-6.92	-6.32	-6.78	-8.45	-9.67	-10.19	-12.54	-12.58	-10.45	-9.39	-9.11	-7.25

Θ(180°)	-8.99	-11.03	-13.35	-15.48	-12.45	-9.89	-8.29	-7.88	-6.71	-6.16	-6.75	-7.52	-8.82	-11.5	-14.34	-15.95	-10.23	-7.86	-7.55	-6.64	-6.56	-6.43	-6.62	-9.15
Freq(Hz)	5.6G	Pol.	Phi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-9.34	-11.71	-14.25	-15.63	-15.17	-15.72	-15.58	-15.28	-13.02	-11.6	-12.11	-12.1	-11.16	-12.26	-13.13	-14.07	-11.39	-13.24	-14.02	-15.12	-14.83	-14.07	-11.45	-8.35
Θ(15°)	-15.42	-15.76	-15.9	-13.93	-14.2	-13.4	-15.71	-15.98	-15.53	-15.42	-15.39	-15.03	-15.44	-8.97	-7.64	-8.12	-11.87	-14.53	-14.38	-11.08	-9.77	-8.19	-8.6	-11.96
Θ(30°)	-15.11	-11.85	-12.23	-14.45	-11.8	-11.83	-13.89	-12.28	-13.49	-14.48	-12.79	-12.03	-15.18	-15.26	-15.21	-9.97	-7.81	-12.35	-12.47	-8.57	-6.76	-10.12	-9.68	-14.27
Θ(45°)	-13.84	-13.22	-13.74	-13.26	-12.92	-12.09	-11.15	-12.08	-11.26	-14.2	-14.53	-10.63	-12.58	-12.44	-15.43	-16.16	-13.29	-13.55	-15.09	-14.02	-9.51	-10.83	-11.76	-14.27
Θ(60°)	-15.48	-14.44	-14.92	-13.76	-10.73	-9.79	-7.12	-7.57	-11.32	-15.23	-13.26	-11.55	-15.39	-13.71	-15.53	-14.87	-14.91	-14.33	-10.7	-10.23	-11.4	-14.56	-16.05	-14.51
Θ(75°)	-11.1	-10.66	-10.19	-12.66	-11.12	-13.5	-10.19	-5.71	-5.97	-10.47	-12.89	-11.82	-11.4	-13.12	-12.52	-11.38	-12.44	-11.54	-13.03	-13.49	-10.1	-15.21	-12.51	-10.17
Θ(90°)	-15.58	-13.35	-13.93	-14.75	-14.02	-15.44	-13.39	-9.49	-11.47	-13.05	-9.86	-10.11	-12.25	-12.64	-10.59	-10.98	-12.66	-12.49	-12.85	-13.31	-12.58	-14.54	-15.21	-12.2
Θ(105°)	-15.48	-8.44	-9.27	-9.94	-11.68	-10.59	-10.52	-7.19	-10.34	-7.38	-6.61	-6.91	-9.06	-10.39	-12.38	-13.57	-13.52	-12.4	-15.3	-15.3	-11.9	-12.96	-14.97	-10.94
Θ(120°)	-11.94	-11.62	-11.98	-10.8	-10.61	-13.03	-7.24	-3.98	-4.13	-8.17	-11.54	-9.39	-12.84	-9.06	-13.29	-14.56	-11.48	-9.44	-16.1	-15	-9.26	-10.18	-15.82	-6.54
Θ(135°)	-15.95	-9.79	-8.79	-6.79	-6.45	-9.45	-7.26	-8.83	-15.29	-8.16	-6.17	-10.03	-15.13	-6.75	-6.73	-9.5	-6.47	-7.39	-9.84	-4.99	-6.86	-10.35	-13.34	-8.9
Θ(150°)	-6.46	-9.69	-10.15	-11.48	-12.81	-10.8	-13.32	-15.64	-16.07	-10.02	-6.72	-4.8	-8.76	-10.09	-6.53	-12.35	-9.97	-12.41	-15.25	-13.1	-13.57	-11.32	-7.39	-6.8
Θ(165°)	-11.23	-8.07	-10.01	-11.06	-11.41	-15.61	-12.56	-12.57	-14.92	-13.01	-10.71	-12.11	-14.61	-14.37	-11.52	-10.74	-12.31	-13.61	-13.5	-12.93	-11.84	-11.99	-12.44	-14.13
Θ(180°)	-13.77	-14.98	-11.79	-9.19	-9.22	-12.69	-12.02	-13.35	-13.48	-15.28	-15.59	-13.83	-13.98	-14.38	-14.55	-10.85	-9.2	-9.3	-10.34	-11.22	-11.79	-13.45	-13.07	-11.43
Freq(Hz)	5.6G	Pol.	Theta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-14.92	-14.94	-14.58	-11.63	-10.33	-10.61	-11.21	-11.99	-13.09	-13.74	-14.74	-15.39	-15.21	-15.92	-14.28	-12.45	-12.59	-10.3	-9.2	-10.97	-11.35	-13.64	-13.8	-15.34
Θ(15°)	-4.09	-4.29	-5.18	-7.52	-7.68	-7.13	-5.93	-5.96	-6	-4.77	-4.4	-4.71	-5.81	-8.19	-10.35	-14.51	-14.18	-13.79	-15.64	-16.2	-12	-9.62	-7.31	-5.32
Θ(30°)	-6.57	-5.88	-5.39	-4.85	-3.87	-3.95	-4.2	-1.66	-2.08	-2.42	-3.5	-4.83	-4.7	-4.72	-4.5	-3.38	-3.94	-3.49	-4.32	-3.72	-4.12	-4.21	-4.7	-5.3
Θ(45°)	-4.26	-2.8	-2.63	-1.88	-1.75	-2.25	-2.53	-0.61	-1.66	-3.53	-4.01	-2.87	-3.59	-1.21	-0.68	-1.77	-2.9	-3.17	-3.97	-4.46	-4.04	-6.4	-4.12	-3.4
Θ(60°)	-0.56	-1.76	-3.14	-0.73	-1.21	-1.24	-0.73	0.53	0.3	-2.2	-3.09	-1.83	-1.68	-0.44	-1.53	-0.63	-0.12	0.88	-0.52	0.35	-2.02	-1.66	-0.54	0.48
Θ(75°)	1.14	0.36	-0.44	-2.63	-1.91	-2.37	-0.83	-2.45	-2.51	-1.08	-0.43	0.28	1.24	0.68	-1.6	1.27	1.91	3.01	1.87	2.73	1.05	-1	-1.54	0.51
Θ(90°)	-1.23	0.11	-1.03	-0.88	-0.74	-0.13	-1.13	-3.04	-2.84	-1.13	-0.37	0.17	0.24	0.51	-1.53	1.51	2.82	3.2	3.66	3.38	4.26	0.19	-1.7	1.2
Θ(105°)	-1.4	0.18	-1.48	-1.47	0.57	0.78	-0.76	-2.19	-4.1	-0.47	-1.74	-1.23	-1.67	1.38	-0.85	-0.32	2.1	1.96	1.04	1.77	2.5	0.54	0.12	1.63
Θ(120°)	-0.5	-0.5	-1.83	-0.34	0.76	0.36	-0.82	-0.12	1.27	-0.36	-1.89	-0.71	-0.04	1.04	-2.07	-0.84	1.46	3.22	-6.1	3.48	1.39	0.52	-0.1	1.89
Θ(135°)	-6.72	-3.91	-4.16	-3.14	-3.83	-3.95	-2.65	-2.52	-3.69	-4.12	-7.4	-6.35	-7.83	-2.83	-5.44	-3.26	-1.11	1.11	-7.04	2.01	-1.23	-4.81	-4.34	-1.7
Θ(150°)	-9.34	-9.45	-9.1	-9.81	-10.32	-5.67	-2.83	-2.65	-4.33	-4.55	-7.16	-10.97	-8.22	-7.07	-7.17	-10.66	-9.16	-7.06	-11.99	-5.32	-8.01	-7.96	-7.78	-7.75
Θ(165°)	-5.17	-5.89	-6.6	-6.68	-5.92	-6.15	-6.33	-5.7	-6.54	-8.3	-8.4	-8.85	-9.83	-10.73	-11.08	-8.97	-7.83	-10.23	-11.54	-8.7	-6.89	-6.57	-4.48	-3.49
Θ(180°)	-10.3	-11.78	-11.69	-13.89	-15.43	-15.77	-15.46	-14.54	-11.38	-9.2	-9.65	-9.11	-8.7	-9.87	-11.12	-11.32	-12.47	-14.63	-14.76	-14.31	-10.84	-8.99	-8.89	-10.18
Freq(Hz)	5.785G	Pol.	Phi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-15.31	-14.97	-15.27	-15.98	-15.23	-15.45	-15.61	-15.41	-12.24	-11.22	-13.71	-15.69	-15.44	-14.67	-15.18	-13.08	-13.91	-15.27	-13.8	-12.22	-11.99	-14.24	-12.62	-12.03
Θ(15°)	-13.26	-16.08	-15.9	-15.12	-14.35	-13.14	-13.07	-13.55	-13.45	-11.41	-13.19	-14.29	-14.59	-14.84	-10.6	-12	-14.15	-14.34	-13.53	-12.1	-11.29	-11.96	-12.66	-12.58
Θ(30°)	-15.4	-15.04	-15.16	-14.32	-12.88	-12.2	-15.88	-15.22	-15.8	-15.39	-14.31	-14.91	-14.91	-14.15	-13.03	-12.17	-12.49	-14.19	-8.61	-9.34	-9.91	-11.67	-15.75	-14.73
Θ(45°)	-16.18	-13.87	-14.48	-15.33	-15.55	-15.22	-14.88	-14.29	-13.32	-13.83	-9.83	-14.68	-15.88	-15.34	-15.48	-15.38	-13.35	-14.08	-7.77	-8.76	-10.91	-14.41	-15.02	-15.32
Θ(60°)	-13.41	-15.36	-14.71	-15.21	-13.51	-10.85	-8.87	-9.44	-13.54	-14.04	-15.59	-14	-15.35	-15.11	-14.88	-14.88	-14.71	-14.56	-14.08	-12.88	-14.62	-14.51	-15.75	-14.43
Θ(75°)	-14.96	-14.49	-15.89	-15.33	-14.98	-14.59	-11.98	-11.29	-11.75	-9.87	-12.55	-13.72	-14.02	-15.06	-14.87	-15.14	-14.57	-12.79	-15.45	-12.96	-15.31	-15.96	-15.51	-16.06
Θ(90°)	-15.29	-14.78	-14.32	-11.43	-14.13	-15.09	-12.11	-10.62	-10.68	-10.14	-11.22	-12.28	-14.2	-11.09	-9.81	-10.58	-12.08	-14.24	-13.27	-14.99	-13.68	-14.89	-15.09	-13.57
Θ(105°)	-10.75	-9.01	-10.48	-15.05	-15.18	-15.5	-15.01	-14.78	-15.94	-14.98	-12.57	-8.7	-15.28	-15.25	-11.77	-10.3	-13.09	-15.59	-14.45	-13.13	-12.15	-14.95	-11.14	-14.93
Θ(120°)	-15.16	-13.84	-13.9	-13.44	-11.83	-10.82	-8.92	-8.44	-6.77	-8.8	-12.16	-12.87	-15.54	-12.28	-13.95	-13.45	-10.08	-11.26	-15.38	-10.94	-13.83	-15.66	-15.73	-9.9
Θ(135°)	-15.2	-14.3	-11.18	-10.16	-10.72	-13.04	-7.76	-10.59	-10.78	-12.2	-7.79	-8.71	-14.71	-11.55	-10.49	-8.31	-4.63	-7.83	-11.63	-6.69	-6.76	-9.48	-15.34	-10.75
Θ(150°)	-12.28	-14.5	-13.29	-12.54	-15.51	-11.32	-11.73	-14.4	-13.77	-11.97	-9.61	-8.4	-13.62	-10.75	-9.68	-10.81	-12.86	-14.84	-15.59	-11.94	-15.22	-13.96	-10.79	-11.73
Θ(165°)	-12.6	-10.03	-10.8	-9.52	-9.84	-11.66	-14.11	-14.36	-12.55	-12.15	-13.95	-15.46	-15.16	-13.02	-11.21	-11.29	-12.34	-12.66	-13.82	-13.82	-13.76	-14.31	-16	-15.2
Θ(180°)	-15.37	-14.16	-13.51	-14.38	-14.53	-14.62	-14.71	-15.73	-13.45	-11.63	-12.55	-15.71	-15.19	-15.56	-15.12	-14.04	-13.38	-13.33	-13.78	-15.6	-15.49	-15.55	-14.97	-14.91
Freq(Hz)	5.785G	Pol.	Theta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dBi)	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°)
Θ(0°)	-13.92	-13.6	-12.18	-12.02	-13.36	-13.02	-14.25	-15.65	-15.91	-15.21	-14.72	-15.42	-13.14	-13.04	-13.82	-13.93	-13.9	-14.45	-15.02	-14.47	-14.67	-16.04	-13.84	-13.1
Θ(15°)	-8.52	-7.87	-7.48	-6.97	-7.63	-7.99	-10.14	-9.01	-8.44	-7.97	-7.61	-8.05	-8.65	-8.46	-10.91	-12.04	-13.56	-15.34	-15.67	-13.65	-12.03	-11.4	-9.91	-10.22
Θ(30°)	-4.74	-5.28	-5.72	-3.32	-2.54	-3.9	-6.53	-5.34	-3.56	-4.81	-5.28	-6.46	-7.99	-5.77	-4.82	-4.04	-4.87	-4.06	-2.61	-3	-3.1	-4.08	-4.93	-4.8
Θ(45°)	-1.1	-1.35	-3.52	-1.67	-1.5	-1.46	-1.95	-3.45	-2.87	-2.75	-3.18	-1.77	-2.85	-1.54	-1.35	-1.44	-2.18	-2.4	-1.31	-2.34	-2.66	-3	-2.31	-1.64
Θ(60°)	-0.2	-1.29	-2.06	0.02	0.35	-0.38	-0.46	-1.09	-1.18	-1.79	-0.83	-0.7	-0.37	0.55	0.76	0.25	-1.64	0.55	1.35	0.29	-1.63	-1.13	-0.27	0.56
Θ(75°)	1.55	-0.29	-1.92	-0.21	0.29	-1.08	-0.49	-0.83	-0.2	-0.75	-0.62	-0	1.13	0.95	-0.57	2.16	2.26	3.97	3.24	2.9	1.54	0.22	-0.49	0.74
Θ(90°)	-2.08	-0.24	-1.3	-0.14	0.12	-1.12	-1.58	-3.36	-1.13	-0.57	-0.58	-0.26	-0.9	0.36	-1.86	3.12	3.23	4.45	4.46	4.18	4.95	1.38	-0.65	2.1
Θ(105°)	-1.47	0.93	-0.55	-2.21	-0.02	0.66	-1.52	-1.27	-1.67	-2.32	-1.75	-0.83	-1.54	1.79	0.2	0.84	2.45	1.71	2.08	2.66	2.89	1.13	0.5	1.88
Θ(120°)	-0.64	-0.42	-2.84	-0.77	0.91	0.23	-0.97	-1.24	-1.76	-2.53	-2.03	0.07	0.37	1.61	-1.21	-0.05	2.04	3.97	-4.14	3.53	1.38	-1.39	-0.91	1.17
Θ(135°)	-5.01	-4.77	-3.15	-3.19	-3.77	-3.82	-3.41	-2.9	-4.88	-5.51	-4.89	-4.72	-5.23	-2.22	-5.61	-1.89	-1.14	1.14	-5.95	2.18	-2.91	-2.36	-3.93	-2.98
Θ(150°)	-12.02	-10.46	-10.55	-10.27	-9.94	-9.31	-7.06	-6.57	-8.57	-9.14	-8.1	-8.43	-7.96	-6.39	-6.89	-8.89	-11.51	-6.13	-12.81	-7.61	-15.05	-13.24	-8.36	-8.15
Θ(165°)	-5.75	-6.91	-8.35	-8.71	-8.24	-8.86	-10.25	-8.32	-9.63	-11.2	-10.41	-8.03	-7.42	-6.94	-9.94	-8.68	-8.71	-11.77	-15.22	-11.49	-8.07	-7.68	-6.75	-6.3
Θ(180°)	-15.71	-14.21	-14.14	-15.04	-15.31	-14.19	-14.14	-14.36	-14.75	-14.53	-14.6	-13.87	-12.03	-12.21	-11.77	-11.94	-13.97	-15.08	-14.79	-14.07	-16.09	-14.85	-13.7	-13.67

Gain Result

Freq(Hz)	2.45G	Pol.	Phi	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-10.45	-9.79	-9.17	-8.22	-7.42	-8.13	-9.49	-9.34	-9.07	-9.68	-8.6	-9.13	-8.84	-8.85	-9.27	-9.77	-10.92	-11.35	-12.13	-10.5	-9.92	-9.79	-9.42	-10.13
Θ(15°)	-11.13	-7.99	-6.68	-6.06	-5.21	-4.77	-4.75	-6.64	-8.97	-11.67	-11.36	-10.15	-8.74	-7.33	-7.47	-8.32	-10.42	-13.2	-15.14	-12.37	-11.45	-12.71	-14.06	-13.11
Θ(30°)	-9.26	-7.83	-5.48	-4.07	-4.05	-3.92	-5.15	-7.56	-9.98	-13	-17.01	-16.51	-11.39	-8.81	-7.67	-7.01	-8.63	-11.97	-19.8	-18.17	-17.19	-14.64	-12.71	-10.57
Θ(45°)	-14.05	-11.95	-8.99	-7.59	-7.8	-6.31	-6.16	-6.46	-8.33	-9.81	-11.59	-13.67	-17.33	-16.26	-9.89	-7.96	-6.73	-7.73	-9.5	-10.56	-12.93	-16.25	-17.84	-15.68
Θ(60°)	-8.88	-9.53	-10.23	-11.93	-13.32	-9.26	-7.35	-7.94	-9	-8.51	-9.3	-9.4	-10.1	-10.27	-12.54	-18.95	-18.42	-14.49	-13.34	-18.34	-16.89	-8.49	-7.12	-6.98
Θ(75°)	-12.68	-11.32	-10.84	-7.92	-6.07	-7.97	-15.36	-19.45	-12.26	-12.36	-15.15	-18.75	-16.54	-13.31	-12.47	-12.03	-14.35	-18.78	-18.37	-14.99	-10.76	-11.51	-15.63	-16.92
Θ(90°)	-10.61	-9.8	-6.28	-5.15	-3.56	-4.06	-6.32	-9.98	-6.14	-6.2	-7.79	-15.67	-16.55	-10.41	-7.2	-7.2	-11.26	-18.28	-9.3	-7.34	-10.31	-19.31	-11.43	-10.02
Θ(105°)	-8.71	-6.95	-5.44	-3.75	-2.38	-3.73	-7.24	-11.55	-9.88	-8.15	-7.1	-13.83	-18.44	-15.28	-10.37	-8.53	-12.01	-16.65	-15.97	-15.47	-16.51	-18.02	-18.73	-12.85
Θ(120°)	-14.75	-9.41	-8.73	-12.16	-8.48	-7.04	-10.76	-16.83	-10.06	-8.46	-10.34	-16.55	-17.81	-18.81	-9.95	-8.27	-10.43	-8.83	-10.02	-13.17	-18.64	-18.2	-14.58	-16.23
Θ(135°)	-8.5	-11.57	-6.79	-3.72	-5.17	-5.8	-5.14	-5.27	-6.61	-10.33	-12.37	-12.77	-18.42	-10	-6.31	-9.55	-13.85	-11.6	-9.12	-8.18	-10.24	-12.5	-14.48	-9.95
Θ(150°)	-15.69	-11.7	-8.46	-7	-10.82	-18.63	-17.33	-13.84	-11.99	-9.97	-8.05	-6.02	-4.89	-3.83	-3.92	-4.83	-5.52	-4.5	-3.39	-3.56	-4.92	-7.1	-11.23	-13.09
Θ(165°)	-9.09	-12.17	-18.32	-17.23	-12.73	-9.47	-7.99	-7.84	-7.65	-7.64	-7.78	-7.86	-8.47	-9.76	-11.14	-12.07	-12.11	-10.27	-7.33	-6.09	-5.41	-5.45	-5.97	-6.86
Θ(180°)	-7.61	-7.19	-7.27	-6.54	-5.7	-5.65	-7.46	-10.95	-16.15	-17.6	-19.05	-17.74	-15.83	-12.4	-10.84	-9.68	-9.07	-9.16	-9.63	-10.59	-12.12	-12.2	-10.13	-8.54
Freq(Hz)	2.45G	Pol.	Theta	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-11.52	-13.16	-13.73	-13.39	-12.37	-11.82	-10.8	-9.48	-8.9	-9.06	-8.71	-9.94	-9.97	-9.96	-9.43	-9.4	-9.11	-9.3	-9.77	-9.18	-9.12	-9.29	-9.66	-10.32
Θ(15°)	-8.26	-8.12	-7.74	-6.94	-6.03	-5.11	-4.51	-3.33	-2.78	-2.87	-3.63	-4.83	-6.42	-7.98	-10.12	-15.31	-18.41	-17.27	-18.08	-14.23	-12.17	-11.3	-9.17	-8.69
Θ(30°)	-16.61	-12.28	-10.21	-7.89	-5.29	-4.06	-3.37	-2.81	-2.59	-2.65	-3.2	-3.09	-3.84	-4.8	-6.51	-8.47	-9.85	-10.23	-10.35	-9.64	-10.83	-10.88	-13.87	-16.45
Θ(45°)	-6.62	-4.45	-3.92	-3.98	-3.06	-2.19	-1.98	-2.34	-3.16	-4.93	-6.48	-6.44	-7.22	-8.23	-8.34	-6.71	-5.22	-4.21	-3.55	-3.76	-4.76	-6.74	-8.67	-9.42
Θ(60°)	-0.9	-0.22	-0.59	-1.98	-1.8	-0.87	-0.3	-0.47	-1.09	-2.34	-2.68	-1.26	-2.07	-3.55	-4.92	-8.66	-10.59	-6.71	-4.7	-4.05	-3.99	-3.45	-2.65	-2.32
Θ(75°)	0.02	1.07	0.54	-0.47	0.2	1.09	1.65	1.27	1.06	-1.75	-2.94	-1.2	-2.25	-2.53	-3.07	-4.56	-5.96	-4.72	-3.25	-3.6	-1.51	-0.22	0.3	0.01
Θ(90°)	1.8	1.77	0.87	0.48	1.69	1.04	-0.88	-3.16	-4.25	-7.43	-4.33	-3.6	-4.93	-5.81	-7.34	-6.23	-4.43	-3.08	-1.12	-0.54	-0.13	1.13	1.49	1.6
Θ(105°)	2.2	2.3	0.25	-0.44	-0.72	-3.67	-7.29	-5.04	-4.2	-7.71	-7.41	-5.19	-4.43	-6.72	-6.41	-14.52	-11.01	-6.09	-1.84	0.93	2.62	2.09	1.03	0.5
Θ(120°)	1.03	1.6	-2.04	-7.32	-5.31	-4.51	-5.35	-4.22	-3.7	-3.08	-1.93	-2.42	-6.07	-7.92	-7.87	-10.64	-7.78	-5.01	-1.9	-0.73	0.14	1.12	-0.12	-1.14
Θ(135°)	-1.81	-0.28	-3.12	-10.72	-18.42	-18.72	-11.25	-5.93	-2.84	-2.1	-3.22	-5.41	-8.95	-10.93	-8.92	-8.46	-9.53	-6.33	-3.75	-2.56	-2.53	-2.11	-2.46	-3.55
Θ(150°)	1.3	1.23	0.03	-2.74	-6.5	-12.03	-18.38	-19.3	-15.87	-14.12	-16.91	-18.81	-17.5	-10.96	-6.92	-5.28	-4.28	-2.48	0.29	2.17	3.15	3.27	2.58	1.82
Θ(165°)	-4.44	-4.12	-5.15	-6.7	-8.7	-10.27	-8.08	-6.86	-6.33	-6.81	-7.98	-7.93	-8.45	-8.67	-9.14	-10.69	-13.97	-16.18	-15.04	-12.53	-10.17	-7.72	-6.15	-5.31
Θ(180°)	-10.64	-12.1	-14.92	-18.47	-17.61	-15.51	-11.03	-8.03	-6.96	-7.05	-7.89	-9.05	-9.89	-9.95	-12.68	-15.44	-19.09	-15.48	-11.84	-9.57	-7.97	-7.17	-6.74	-7.93
Freq(Hz)	5.2G	Pol.	Phi	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-8	-8.5	-8.74	-9.01	-8.52	-8	-8.33	-8.23	-8.36	-8.71	-9.15	-10.73	-12.63	-11.82	-10.25	-8.75	-7.55	-7	-6.88	-7.69	-7.73	-9.2	-9.67	-9.3
Θ(15°)	-9.97	-11.23	-11.07	-11.17	-11.63	-10.5	-9.81	-8.1	-7.53	-7.1	-5.23	-5.42	-6.59	-8.58	-12.55	-13.64	-9.92	-7.82	-9.66	-10.75	-10.08	-7.12	-6.48	-7.07
Θ(30°)	-8.3	-9.76	-12.18	-11.61	-10.32	-7.92	-6.76	-6.7	-7.84	-7.28	-6.1	-5.34	-4.69	-5.25	-7.01	-9.92	-15.37	-14.5	-8.91	-10.57	-13.32	-11.53	-8.79	-7.96
Θ(45°)	-13.29	-9.4	-14.21	-11.64	-9.55	-6.75	-7.98	-11.99	-13.41	-11.72	-13.81	-14.2	-9.46	-10.8	-4.71	-4.62	-7.47	-15.53	-10.84	-10.81	-9.98	-8.58	-11.02	-10.77
Θ(60°)	-10.56	-11.66	-14.91	-17.28	-13.48	-10.63	-13.07	-9.56	-9.25	-9.36	-9.59	-9.45	-9.54	-8.77	-12.25	-16.94	-10.24	-15.04	-17.77	-13.14	-9.9	-13.79	-18.37	-14.68
Θ(75°)	-8.96	-9.93	-14.8	-16.39	-14	-12.45	-8.58	-7.01	-7.66	-9.38	-11.45	-18.93	-14.86	-9.69	-13.23	-18.36	-10.95	-16.33	-10.81	-5.91	-7.38	-10.03	-10.45	-10.11
Θ(90°)	-18.48	-14.36	-13.89	-17.85	-14.88	-12.23	-10.77	-15.13	-9.71	-5.44	-5.13	-9.38	-10.91	-8.13	-16.51	-18.85	-17.56	-13.8	-16.06	-13.84	-9.85	-13.57	-18.85	-14.98
Θ(105°)	-12.1	-11.24	-13.59	-11.84	-7.39	-5.98	-5.96	-6.06	-10.07	-19.27	-10.02	-15.43	-19.03	-7.1	-8.64	-9.91	-14.13	-13.86	-18.81	-12.86	-12.96	-11.21	-10.49	-11.53
Θ(120°)	-15.75	-10.22	-12.25	-10.21	-10.53	-14.17	-10.09	-7.11	-3.69	-6.63	-10.73	-19.37	-14.49	-4.05	-6.84	-17.81	-11.52	-11.1	-12.35	-14.96	-9.62	-11.06	-16.8	-7.5
Θ(135°)	-11.62	-6.48	-8.76	-7.53	-9.38	-10.9	-8.89	-8.15	-3.21	-2.77	-4.75	-8.66	-13.48	-12.85	-6.32	-9.94	-3.66	-18.55	-12.19	-7.49	-8.44	-13.93	-18.27	-8.65
Θ(150°)	-10.1	-11.62	-12.26	-8.7	-9.06	-9.53	-10.9	-12.46	-13.21	-8.1	-5.6	-6.32	-8.93	-9.84	-7.2	-7.38	-14.53	-17.87	-16.61	-12.14	-12.99	-15.35	-15.07	-9.92
Θ(165°)	-19.01	-18.55	-14.04	-14.58	-15.53	-18.22	-18.21	-19.78	-14.4	-12.15	-12.94	-14.76	-12.18	-12.78	-17.6	-16.12	-18.25	-18.95	-18.36	-17.98	-18.15	-19.28	-17.81	-16.14
Θ(180°)	-10.7	-9.44	-10.45	-10.91	-13.57	-18.62	-18.84	-18.48	-15.84	-15.06	-14.21	-11.44	-9.89	-10.13	-8.95	-8.53	-8.67	-9.88	-12.8	-12.97	-11.36	-10.46	-10.47	-11.02
Freq(Hz)	5.2G	Pol.	Theta	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-7.65	-7.65	-7.18	-6.85	-8.34	-10.51	-11.29	-11.32	-10.69	-10.46	-10.48	-9.44	-8.86	-7.5	-8.06	-7.56	-8.01	-9.59	-10.96	-12.46	-11.54	-10.96	-10.42	-10.29
Θ(15°)	-3.48	-2.54	-2.46	-2.14	-3.01	-3.3	-3.64	-3.75	-3.31	-4.58	-6.56	-8.56	-10.03	-11.19	-12.39	-15.74	-18.95	-18.73	-15.12	-13.77	-12.66	-13.35	-9.19	-5.9
Θ(30°)	-2.02	-1.69	-1.05	-0.48	-0.96	0.34	0.56	0.42	-0.54	-1.85	-3.53	-8.01	-12.24	-17.14	-16.75	-15	-18.14	-10.29	-4.67	-5.79	-4.53	-2.44	-1.89	-2.28
Θ(45°)	-1.95	-1.26	-0.4	-0.72	-0.44	0.54	1.94	-0.79	-5.84	-5.67	-9.69	-8.44	-10.46	-6.64	-7.79	-8.65	-14.26	-9.78	-5.64	-2.08	-1.04	-0.03	-0.13	-0.21
Θ(60°)	-2.45	-1.6	-2.44	-4.73	-5.46	-2.35	-1.42	-4.21	-2.97	-2.5	-5.66	-6.4	-7.43	-8.03	-11.37	-7.18	-7.11	-6.12	-2.66	-2.69	-1.91	-0.78	-1.81	-1.23
Θ(75°)	-6.43	-3.19	-3.49	-5.4	-4.8	-9.84	-5.57	-4.42	-2.52	-3.52	-8.99	-8.9	-3.53	-4.03	-5.71	-10.62	-2.41	-0.71	-1.38	-1.03	-1.19	-3.69	-4.63	-2.58
Θ(90°)	-3.45	-0.97	-1.61	-3.35	-3.78	-10.88	-16.35	-11.67	-6.52	-13.02	-14.67	-5.66	-2.92	-6.18	-12.54	-6.84	-3.13	-5	-1.9	-0.3	-1.46	-1.45	-2.88	-1.99
Θ(105°)	-1.75	-1.44	-1.15	0.49	2.14	-2.3	-6.03	-10.18	-7.79	-4.91	-8.51	-17.6	-11.7	-6.31	-8.82	-3.59	-18.37	-1.99	-1.49	-1.9	0.6	-1.51	-2.49	-0.96
Θ(120°)	-1.51	0.52	0.98	0.87	-0.49	0.68	-0.24	-3.18	-8.25	-14.55	-12.29	-11.58	-6.37	-10.39	-7.63	-2.87	-17.83	0.95	-3.23	1.06	1.23	-3.34	-1.84	0.98
Θ(135°)	-3.62	-2.45	-5.25	-6.49	-4.22	-1.63	-1.54	-7.89	-7.27	-7.28	-10.04	-18.27	-11.23	-11.12	-7.37	-12.53	-1.7	-2.52	-10.35	-4.81	-1.6	-5.81	-2.47	1.69
Θ(150°)	-18.87	-19.03	-9.82	-8.63	-4.78	-4.23	-4.35	-2.58	-2.02	-2.64	-5.53	-8.31	-8.67	-11.88	-8.21	-8.47	-4.09	-8.27	-10.41	-13.97	-9.94	-13.81	-15.75	-11.58
Θ(165°)	-10.44	-9.75	-7.88	-9.13	-13.73	-13.93	-10.34	-8.58	-9.79	-11.98	-9.32	-7.03	-7.07	-7.31	-10.75	-14.6	-13.56	-10.89	-10.56	-15.41	-15.32	-13.15	-14.71	-11.53
Θ(180°)	-12.83	-18.03	-18.39	-16.77	-11.29	-10.63	-9.73	-8.72	-8.83	-7.97	-8.01	-8.69	-12.19	-18.26	-18.72	-16.24	-11.15	-8.38	-8.52	-7.84	-7.53	-6.86	-6.67	-8.66
Freq(Hz)	5.3G	Pol.	Phi	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-12.59	-12.75	-12	-10.31	-11.27	-10.69	-8.85	-10.37	-9.8	-12.07	-13.38	-12.76	-12.53	-14.49	-11.94	-10.96	-10.04	-9.61	-8.63	-11.44	-11.67	-10.2	-9.81	-10.69
Θ(15°)	-10.54	-14.64	-18.44	-15.61	-14.78	-12.21	-11.16	-9.04	-7.26	-6.98	-8.39	-8.65	-8.99	-12.14	-15.02	-9.45	-7.27	-7.5	-10.33	-11.71	-9.95	-8.44	-7.65	-8.73
Θ(30°)	-12.39	-14.03	-15.65	-16.21	-17.8	-11.28	-10.4	-9.85	-7.93	-7.06	-6.91	-7.64	-6.72	-7.7	-9.02	-12.27	-15.12	-11.2	-7.41	-11.21	-8.86	-8.97	-9.83	-11.09
Θ(45°)	-14.98	-12.21	-17.94	-14.89	-12.57	-9.47	-6.8	-8.36	-15.61	-16.72	-16.03	-15.02	-8.62	-8.6	-4.79	-5.82	-12.66	-15.49	-10.45	-12.29	-8.44	-7.26	-8.74	-9.45
Θ(60°)	-18.35	-19.18	-16.49	-18.28	-11.46	-9.44	-15.53	-12.43	-8.02	-11.44	-13	-15.56	-17.23	-14.62	-16.98	-14.68	-13.51	-17.65	-10.62	-8.64	-11	-14.16	-18.62	-18.54
Θ(75°)	-11.02	-9.31	-12.36	-18.35	-18.31	-16.01	-9.95	-8.77	-10.44	-18.79	-17.46	-18.56	-17.88	-10.86	-12.88	-18.72	-11.94	-14.22	-12.75	-9.11	-13.42	-14.7	-14.52	-14.85
Θ(90°)	-18.32	-15.22	-15.65	-16.01	-14.41	-11.43	-11.33	-13.42	-11.79	-8.71	-7.6	-12.99	-16.73	-10.63	-16.26	-16.26	-15.2	-11.5	-15.33	-14.21	-10.58	-14.77	-16.78	-15.77
Θ(105°)	-12.38	-9.48	-10.27	-11.67	-10.49	-7.08	-6.52	-5	-8.59	-16.79	-9.95	-12.98	-18.32	-8.23	-10.52	-9.14	-13.99	-14.4	-17.43	-12.97	-11.55	-12.67	-13.71	-12.2
Θ(120°)	-18.05	-12.09	-12.1	-10.82	-13.02	-12.1	-8.84	-10.73	-4.14	-5.83	-9.85	-18.98	-18.35	-4.83	-8.8	-18.02	-10.61	-14.23	-15.06	-12.27	-8.08	-11.6	-17.92	-7.85
Θ(135°)	-11.77	-6.98	-10.7	-6.23	-7.64	-13.12	-10.6	-10.2	-5.78	-4.38	-5.03	-9.59	-12.4	-13.46	-6.96	-10.72	-4.57	-18.47	-11.24	-8.16	-12.51	-14.26	-18.1	-7.82
Θ(150°)	-7.38	-9.48	-9.1	-8.94	-10.41	-12.3	-12.69	-12.74	-12.29	-7.53	-6.97	-8.65	-13.56	-11.31	-9.2	-9.24	-14.97	-15.3	-14.77	-13.69	-12.74	-12.53	-11.24	-8.33
Θ(165°)	-16.21	-17.77	-17.41	-18.73	-15.02	-18.82	-18.28	-16.54	-13.11	-12.73	-12.48	-13.81	-14.4	-12.68	-12.2	-12.98	-14.93	-18.95	-18.05	-16.31	-19.12	-17.84	-18.88	-16.6
Θ(180°)	-13.01	-11.65	-9.18	-9.07	-10.31	-14.09	-18.08	-18.47	-18.34	-19.05	-16.34	-11.92	-10.03	-10.27	-9.65	-9.13	-8.75	-11.41	-15.98	-16.6	-14.05	-12.55	-13.25	-12.29
Freq(Hz)	5.3G	Pol.	Theta	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-9.4	-9.94	-11.44	-13.1	-12.28	-11.64	-11.12	-12.58	-14.1	-11.8	-9.98	-9.05	-10.78	-10.27	-11.35	-11.68	-12.35	-13.53	-13.71	-11.83	-11.55	-10.74	-9.54	-9.31
Θ(15°)	-2.56	-2.89	-3.2	-3.13	-2.69	-3.34	-3.93	-3.63	-3.75	-4.83	-5.9	-7.37	-9.06	-10.54	-11.17	-15.35	-18.39	-18.07	-18.91	-17.05	-14.78	-9.17	-5.41	-3.25
Θ(30°)	-1.84	-1.5	-1.76	-0.92	-1.43	-1.27	-0.2	-0.49	-0.98	-3.18	-5.22	-7.21	-13.88	-18.96	-18.28	-15.39	-11.37	-9.51	-8.41	-7.72	-2.65	-1.64	-1.71	-1.62
Θ(45°)	-3.95	-2.96	-3.51	-1.68	-0.76	0.08	1.51	-0.18	-4.19	-6.98	-8.87	-8.33	-10.67	-7.25	-8.38	-14.53	-12.48	-8.64	-7.21	-3.6	-3.98	-2.34	-2.88	-1.76
Θ(60°)	-2.75	-2.52	-3.94	-3.69	-5.35	-2.78	-3.32	-5.56	-7.51	-7.08	-7.51	-5.61	-7.51	-7.11	-8.15	-7.58	-11.5	-4.46	-2.14	-2.53	-1.72	-1.72	-2.47	-1.94
Θ(75°)	-2.78	-1.59	-3.47	-3.86	-3.71	-7.4	-7.78	-3.45	-1.09	-3.45	-9.53	-10.29	-3.63	-5.53	-9.14	-5.89	-2.65	-2.07	-2.45	-1.32	-0.93	-2.64	-2.87	-0.08
Θ(90°)	-2.65	-0.33	-0.63	-1.21	-3.06	-8.73	-12.32	-9.09	-8.21	-12.46	-17.13	-7.29	-4.43	-8.73	-14.57	-9.45	-6.52	-4.83	-1.88	0.34	0.49	0.2	-1.73	-0.01
Θ(105°)	-2.9	-1.01	-0.37	-0.25	1.05	-1.09	-5.13	-9.95	-11.16	-7.09	-7.89	-14.94	-14.31	-7.74	-10.77	-6.38	-11.49	-0.51	-2.14	-2.16	0.88	-1.79	-2.4	-0.5
Θ(120°)	-1.54	0.31	0.9	1.45	-0.08	0.72	0.26	-3.17	-7.76	-10.28	-8.98	-16.99	-7.29	-9.63	-6.38	-4.35	-11.01	2.1	-4.66	-0.04	1.26	-4.24	-1.75	1.37
Θ(135°)	-3.67	-2.31	-4.17	-7.1	-5.42	-2.7	-1.85	-7.86	-9.72	-9.42	-16.11	-18.2	-12.72	-10.01	-6.37	-9.88	-3.3	-2.58	-9.23	-5.34	-0.17	-4.85	-2.91	1.81
Θ(150°)	-11.28	-11.74	-11.01	-13.99	-7.98	-5.77	-4.39	-2.72	-2.72	-3.82	-7.06	-9.28	-8.77	-13.79	-10.33	-11.12	-4.41	-8.37	-14.86	-18.82	-15.05	-12.02	-10.51	-8.65
Θ(165°)	-7.81	-9.12	-7.51	-7.3	-12.77	-18.59	-13.22	-8.3	-8.14	-10.54	-13.52	-9.84	-8.82	-9.19	-12.72	-18.78	-17.97	-12.26	-13.04	-13.21	-10.26	-10.61	-9.9	-8.57

Θ(180°)	-12.44	-15.58	-18.67	-18.78	-14.11	-11.27	-11.14	-11.34	-10.15	-10.45	-10.39	-10.6	-11.71	-13.95	-17.25	-18.67	-12.85	-10.13	-9.38	-8.33	-8.23	-7.47	-7.52	-10.51
Freq(Hz)	5.6G	Pol.	Phi	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-11.35	-16.03	-18.74	-18.92	-18.53	-19	-18.13	-18.03	-13.92	-13.19	-14.72	-14.96	-15.08	-14.53	-14.5	-16.56	-19.05	-18.91	-17.38	-17.44	-17.38	-15.43	-13.15	-10.35
Θ(15°)	-17.88	-18.78	-18.84	-15.35	-16.74	-15.1	-18.23	-19.06	-18.09	-18.12	-17.95	-17.6	-19	-11.77	-10.4	-10.51	-15.91	-17.76	-18.7	-14.73	-10.95	-10.7	-11.19	-18.02
Θ(30°)	-18.66	-16.8	-18.88	-18.68	-17.64	-14.52	-15.37	-12.98	-15.33	-17.17	-13.98	-12.55	-17.52	-18.87	-18.22	-14	-10.98	-15.82	-17.97	-10.7	-9.85	-14.95	-12.44	-18.37
Θ(45°)	-15.58	-18.49	-17.48	-15.81	-18.75	-15.54	-13.16	-13.15	-12.8	-16.75	-18.31	-12.51	-14.22	-12.73	-18.95	-19.01	-19.14	-18.43	-17.33	-16.25	-12.42	-13.36	-12.2	-16.65
Θ(60°)	-19.12	-17.42	-17.73	-17.95	-16.02	-9.29	-8.16	-12.8	-18.15	-18.43	-14.15	-16.35	-18.85	-17.26	-18.18	-18.78	-17.7	-18.61	-18.73	-17.85	-14.26	-17.69	-19.24	-17.14
Θ(75°)	-11.53	-10.76	-9.94	-15.64	-18.92	-17.65	-18.23	-12.4	-9.14	-11.54	-18.07	-18.3	-17.27	-17.52	-17.3	-17.59	-18.75	-19.01	-15.3	-14.96	-18.25	-18.42	-18.41	-14.46
Θ(90°)	-18.43	-14.55	-15.31	-17.59	-18.05	-18.89	-17.49	-13.45	-11.54	-18.17	-18.52	-17.66	-17.78	-13.42	-10.78	-11.07	-13.39	-18.65	-15.78	-14.66	-18.89	-19.16	-19.08	-18.66
Θ(105°)	-18.77	-10.09	-8.44	-10.52	-16.91	-16.01	-18.24	-11.7	-17.15	-15.05	-11.02	-9.74	-12.27	-14.95	-13.5	-15.03	-18.41	-17.72	-18.31	-17.88	-16.2	-19.42	-17.66	-13.63
Θ(120°)	-16.84	-15.25	-17.81	-17.55	-18.53	-13.86	-8.72	-5.74	-3.75	-8.48	-17.4	-12.75	-16.2	-12.07	-17.4	-16.45	-14.63	-18.18	-19.04	-17.98	-18.12	-18.25	-18.84	-11.19
Θ(135°)	-19.29	-12.23	-17.23	-10.24	-7.32	-13.15	-13.22	-18.69	-17.97	-8.82	-6.97	-13.66	-18.23	-9.33	-7.07	-10.14	-5.14	-17.72	-17.6	-9.99	-16.24	-18.97	-18.46	-12.57
Θ(150°)	-12.52	-13.51	-12.59	-14.64	-18.24	-18.38	-19.1	-18.53	-19.6	-11.8	-9.94	-8.36	-17.86	-11.2	-8.19	-13.34	-12.26	-13.95	-18.93	-17.86	-14.92	-18.69	-14.25	-14.85
Θ(165°)	-11.04	-11.54	-15.16	-12.42	-11.95	-18.93	-17.8	-17.37	-18.82	-14.4	-11.78	-13.01	-16.92	-17.27	-11.94	-10.69	-15.15	-18.76	-17.18	-19.1	-17.98	-18.24	-18.37	-15.79
Θ(180°)	-18.32	-18.87	-12.16	-10.33	-11.35	-15.24	-14.62	-14.47	-15.72	-17.71	-18.63	-17.43	-17.71	-17.93	-17.62	-14.33	-10.58	-12.96	-11.96	-15.08	-14.17	-17.39	-18.16	-18.32
Freq(Hz)	5.6G	Pol.	Theta	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-18.17	-17.68	-17.32	-14.51	-13.24	-12.81	-13.84	-16.01	-16.23	-17.11	-17.51	-19.18	-17.44	-19.73	-17.15	-16.32	-16.56	-14.08	-12.67	-13.96	-14.97	-18.06	-18.59	-18.41
Θ(15°)	-7.17	-7.15	-7.14	-9.4	-10.69	-10.21	-9.34	-9.34	-8.63	-8.5	-7.11	-7.44	-8.7	-11.97	-13.41	-16.63	-17.07	-17.33	-18.43	-19.88	-13.41	-11.3	-9.92	-8.3
Θ(30°)	-8.63	-9.19	-6.12	-5.88	-5.21	-4.99	-5.94	-5.39	-5.69	-5.41	-8.13	-7.85	-9.17	-11.35	-12.66	-9.14	-5.82	-6.91	-6.46	-5.43	-5.55	-4.74	-5.28	-5.97
Θ(45°)	-5.26	-4.62	-4.13	-3.33	-4.58	-4.42	-4.55	-3.54	-4.01	-8.98	-12.63	-8.74	-12.86	-8.32	-8.36	-7.76	-8.34	-8.25	-6.93	-6.03	-5.83	-7.11	-4.52	-3.98
Θ(60°)	-2.99	-2.35	-2.68	-0.91	-3.08	-3.45	-2.96	-3.35	-3.02	-6.69	-9.28	-9.08	-6.92	-7.07	-9.5	-7.13	-5.32	-4.02	-4.16	-1.23	-3.25	-1.57	-1.08	-0.47
Θ(75°)	-1.96	-0.58	-0.25	-1.14	-1.56	-2.97	-5	-9.16	-6.17	-6.61	-11.09	-9.33	-1.83	-8.31	-11.04	-5.64	-5.21	-1.52	-1.99	0.35	0.44	-0.96	-2.47	0.49
Θ(90°)	-1.13	2.16	1.1	0.49	-0.23	-1.32	-6.94	-11.66	-8.18	-10.48	-18.41	-14.51	-9.22	-9.2	-17.36	-7.29	-3.17	-1.74	0.65	2.12	3.66	1.56	-0.95	1.12
Θ(105°)	0.6	1.39	0.61	0.24	0.94	-0.35	-4.63	-7.83	-17.76	-13.06	-14.95	-12.54	-11.75	-8.34	-9.18	-7.68	-4	1.03	-1.17	-0.2	2.38	-0.4	1.41	3.19
Θ(120°)	-0.41	0.04	-0.44	0.49	-0.11	-0.32	-1.89	-3.48	-4.77	-12.4	-14.98	-10.69	-7.18	-11.77	-8.71	-5.37	-6.4	1.74	-12.33	0.63	3	-0.98	0.59	2.95
Θ(135°)	-5.57	-3.46	-2.37	-1.56	-3.28	-4.68	-4.84	-5.45	-10.24	-10.71	-18.67	-16.19	-16.66	-15.16	-10.19	-5.48	-6.61	-1.08	-8.92	-0.73	-0.49	-7.7	-5.02	0.21
Θ(150°)	-9.58	-9.28	-8.65	-9.66	-18.22	-10.71	-9.51	-8.17	-7.44	-7.49	-9.89	-17.78	-13.97	-15.76	-11.54	-13.43	-9.5	-11.36	-13.83	-7.73	-11.85	-10.75	-9.78	-7.13
Θ(165°)	-4.39	-4.61	-5.18	-5.95	-6.71	-9.92	-13.29	-12.37	-11.85	-14.17	-19.39	-18.31	-18.81	-17.16	-18.89	-19.43	-16.96	-15.16	-12.53	-7.84	-5.89	-5.95	-4.19	-3.72
Θ(180°)	-11.73	-12.25	-12.41	-15.48	-17.74	-18.55	-18.8	-19.06	-15.38	-11.46	-11.29	-9.88	-8.75	-9.93	-11.1	-11.32	-13.47	-17.46	-18.98	-18.19	-14.62	-10.24	-10.37	-11.18
Freq(Hz)	5.785G	Pol.	Phi	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-17.75	-18.34	-17.89	-19.02	-18.5	-17.69	-19.28	-17.62	-12.62	-11.16	-14.99	-18.84	-18.09	-17.55	-19.06	-17.82	-18.96	-17.28	-15.8	-12.97	-12.65	-16.23	-13.26	-12.72
Θ(15°)	-14.89	-19.36	-19.03	-17.26	-15.94	-14.24	-14.15	-15.17	-15.24	-12.18	-14.72	-15.96	-17.49	-18.9	-12.58	-12.53	-16.59	-17.93	-14.81	-12.51	-11.79	-12.25	-13.38	-14.28
Θ(30°)	-18.33	-19.01	-18.49	-15.91	-14.06	-12.86	-18.72	-17.77	-19.17	-18.92	-16.91	-17.33	-17.72	-15.76	-14.57	-12.69	-15.04	-19.4	-9.49	-8.82	-10.84	-15.04	-17.91	-16.53
Θ(45°)	-19.46	-16.09	-18.02	-18.11	-19.01	-18.36	-17.96	-17.13	-18.2	-17.1	-10.8	-17.31	-19	-18.55	-18.56	-18.32	-17.67	-17.2	-8.75	-7.91	-10.81	-17.38	-17.02	-18.61
Θ(60°)	-16.05	-19.08	-18.46	-18.07	-15.1	-10.6	-8.92	-11.99	-18.95	-16.3	-18.65	-15.85	-17.91	-18.4	-17.89	-18.32	-17.76	-18.72	-17.86	-14.15	-18.58	-18.67	-19.02	-16.48
Θ(75°)	-17.18	-17.41	-18.6	-17.96	-18.96	-17.22	-17.41	-16.89	-13.8	-11.93	-15.62	-18.27	-16.09	-18.04	-18.46	-17.61	-17.2	-14.05	-17.86	-14.38	-18.47	-18.77	-18.51	-19.07
Θ(90°)	-17.77	-16.72	-15.96	-15.31	-18.15	-17.8	-15.15	-13.7	-11.65	-12.85	-17.49	-17.18	-17.49	-11.19	-9.63	-10.23	-12.85	-17.2	-14.6	-16.86	-19.29	-18.29	-17.75	-17.44
Θ(105°)	-10.61	-10.86	-10.48	-16.77	-18.18	-19.09	-18.78	-18.53	-19.2	-18.1	-18	-9.56	-19.14	-17.24	-11.9	-9.84	-14.72	-19.06	-17.43	-17.91	-18.29	-18.92	-16.02	-16.74
Θ(120°)	-17.77	-15.15	-17.81	-18.1	-18.8	-10.79	-9.96	-8.57	-5.39	-9.12	-14.55	-13.69	-18.79	-14.91	-19.12	-14.94	-13.08	-18.17	-18.6	-14.73	-18.86	-18.84	-18.15	-11.59
Θ(135°)	-18.05	-18.74	-17.57	-12.35	-11.11	-18.87	-11.07	-11.11	-15.09	-13.26	-8.15	-8.15	-17.17	-13.61	-12.81	-7.88	-4.64	-18.2	-18.72	-11.36	-15.31	-18.71	-18.45	-15.49
Θ(150°)	-17.8	-16.8	-14.91	-14.16	-18.64	-18.52	-14.23	-17.51	-16.59	-15.41	-9.81	-8.91	-18.26	-10.91	-9.3	-10.66	-13.61	-16.78	-17.76	-18.56	-18.27	-18.02	-18.43	-18.98
Θ(165°)	-14.34	-13.58	-14.9	-11.59	-9.37	-11.84	-18.16	-17.82	-17.25	-16.1	-15.77	-18.19	-18.44	-14.17	-11.13	-11.82	-16.34	-19.28	-19.26	-19.06	-18.27	-18.31	-19.05	-18.67
Θ(180°)	-17.83	-19.04	-18.58	-18.68	-18.38	-17.92	-17.59	-19.27	-14.64	-11.86	-13.71	-19.42	-18.78	-18.14	-17.95	-18.28	-16.14	-14.43	-16.01	-18.28	-19.29	-19.12	-17.14	-17.17
Freq(Hz)	5.785G	Pol.	Theta	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-16.62	-14.35	-12.76	-12.35	-14.48	-14.12	-16.19	-17.93	-19.1	-18.24	-18.34	-17.73	-13.97	-13.7	-15.3	-15.3	-15.89	-16.58	-18.06	-17.56	-17.51	-19.21	-17.55	-15.11
Θ(15°)	-8.8	-7.83	-7.76	-7.59	-7.96	-7.79	-9.97	-10.93	-10.16	-10.94	-10.61	-11.71	-11.08	-11.39	-14.27	-15.24	-17.38	-17.78	-19.05	-14.71	-12.81	-11.36	-9.88	-10.18
Θ(30°)	-5.26	-5.69	-5.43	-4.39	-4.07	-5.16	-7.14	-7.39	-5.7	-6.54	-9.03	-14.07	-16.34	-14.72	-12.27	-9.09	-10.23	-8.33	-6.37	-5.73	-3.65	-4.95	-4.74	-4.22
Θ(45°)	-1.45	-1.66	-2.66	-2.17	-3.03	-3.44	-3.4	-6.37	-7.83	-10.18	-12.88	-7.83	-10.25	-9.35	-8.77	-7.06	-6.18	-6.42	-4.54	-3.74	-4.09	-3.31	-1.76	-1.29
Θ(60°)	-0.99	-1.32	-1.13	0.12	-0.57	-3.12	-3	-3.79	-6.06	-7.57	-8.12	-7.78	-5.66	-6.43	-5.65	-6.02	-7.11	-3.47	-1.82	-0.81	-2.76	-0.65	-0.08	0.65
Θ(75°)	-0.3	-0.49	0.14	0.99	0.53	-3.44	-3.8	-4.72	-7.18	-8.46	-11.75	-7.35	-2.8	-9.83	-11.98	-3.7	-4.72	0.7	-0.5	0.79	1.14	0.05	-0.38	1.49
Θ(90°)	-1.24	1.98	0.5	1.06	0.72	-2.67	-5.66	-11.94	-11.41	-10.57	-15.77	-18	-8.59	-10.84	-18.77	-4.46	-3.23	0.19	0.61	3.2	4.47	2.14	0.87	3.2
Θ(105°)	0.58	1.92	1.03	-0.4	0.76	-0.13	-4.71	-8.74	-13.48	-18.85	-16.12	-19.38	-19.09	-10.09	-9.54	-7.09	-5.29	0.59	-1.28	0.91	2.72	1.01	2.81	3.41
Θ(120°)	-0.67	-0.4	-1.05	0.23	0.33	-1.33	-3.3	-6.48	-9.66	-14.94	-16.91	-8.45	-6.78	-12.54	-11.66	-5.94	-7.47	2.32	-8.33	-0.14	2.24	-1.93	0.05	2.22
Θ(135°)	-4.15	-4.9	-2.26	-3.94	-4.49	-5.58	-5.81	-6.8	-11.43	-11.74	-17.95	-14.01	-16.84	-16.27	-12.81	-4.31	-8.41	-0.1	-8.42	-2.12	-1.41	-6.43	-3.7	-1.3
Θ(150°)	-14.35	-11.58	-11.39	-9.72	-13.28	-13.4	-11.54	-10.6	-10.34	-11.82	-13.4	-14.27	-16.26	-17.68	-13.18	-13.31	-12.88	-9.04	-19.24	-11.13	-18.8	-17.04	-9.19	-7.56
Θ(165°)	-4.99	-5.65	-7.7	-7.81	-7.97	-10.44	-13.67	-12.54	-14.46	-14.27	-18.13	-17.07	-19.03	-14.5	-17.61	-16.38	-15.24	-18.66	-17.94	-11.75	-7.34	-6.67	-5.45	-5.49
Θ(180°)	-18.77	-16.47	-16.62	-18.61	-17.55	-17.15	-15.59	-16.52	-18.07	-18.91	-17.88	-15.85	-13.27	-12.51	-12.45	-13.01	-15.55	-17.69	-18.48	-18	-19.51	-17.57	-17.88	-15.48
Freq(Hz)	2.45G	Pol.	Phi	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-6.19	-6.92	-7.91	-8.53	-10.91	-14.1	-18.75	-17.88	-14.47	-9.36	-8.35	-6.65	-6.38	-7.28	-8.51	-11.7	-16.71	-17.64	-16.65	-11.98	-9.3	-7.23	-7.03	-6.52
Θ(15°)	-5.19	-5.75	-6.85	-8.82	-12.21	-16.56	-18.53	-17.75	-18.71	-12.58	-10.29	-9.03	-8.48	-9.13	-12.4	-14.65	-17.78	-17.28	-12.46	-9.07	-7.01	-5.8	-5.31	-5.04
Θ(30°)	-6.71	-7.31	-8.28	-9.93	-10.92	-13.01	-17.88	-16.62	-11.95	-11.15	-11.29	-10.55	-10.87	-12.66	-16.46	-15.91	-15.02	-12.17	-10.17	-9.98	-7.91	-6.59	-7.31	-7.32
Θ(45°)	-18.92	-18.21	-13.8	-12.35	-14.41	-16.24	-18.02	-13.09	-10.42	-12.71	-13.55	-13.69	-14.13	-12.46	-10.79	-10.46	-10.28	-12.84	-17.93	-19.05	-14.21	-13.31	-13.38	-17.77
Θ(60°)	-17.89	-19.18	-11.51	-8.57	-6.62	-6.68	-10.33	-11.88	-14.16	-14.37	-12.09	-11.95	-13.54	-15.33	-18.09	-17.96	-18.08	-17.84	-18.23	-13.53	-11.42	-11.93	-13.21	-18.87
Θ(75°)	-16.19	-16.04	-16.13	-17.52	-17.96	-17.86	-14.63	-11.45	-13.67	-18.42	-15.29	-15.37	-14.88	-13.42	-16.86	-18.68	-17.5	-15.02	-11.34	-10.01	-8.47	-9.2	-10.09	-12.71
Θ(90°)	-13.33	-11.54	-6.41	-4.57	-4.72	-7.87	-17.83	-15.24	-10.6	-13.7	-13.42	-11.97	-11.63	-15.97	-16.9	-15.54	-17.87	-15.99	-11.45	-6.88	-4.39	-4.24	-6.85	-10.62
Θ(105°)	-13.9	-12.79	-6.36	-4.35	-3.58	-5.48	-10.28	-18.94	-16.33	-18.51	-18.65	-18.2	-18.59	-18.43	-18.69	-16.94	-18.49	-14.02	-9.34	-5.3	-3.15	-3.18	-6.26	-10.76
Θ(120°)	-18.64	-14.26	-8.13	-3.84	-1.97	-3.07	-8.17	-19.1	-15.06	-16.81	-13.09	-13.59	-16.97	-17.84	-16.47	-14.38	-18.7	-14.06	-12.65	-10.4	-7.5	-5.41	-8	-16.59
Θ(135°)	-10.42	-14.25	-18.21	-18.83	-13.97	-15.63	-17.36	-13.22	-18.28	-15.31	-13.78	-18.35	-18.9	-18.45	-19.02	-17.65	-19.05	-18.13	-16.12	-7.65	-6.39	-5.1	-4.32	-6.41
Θ(150°)	-13.42	-11.24	-11.53	-12.31	-12.74	-10.08	-8.98	-9.88	-14.06	-17.32	-18.98	-18.65	-15.29	-11.98	-10.45	-10.69	-11.19	-10.29	-10.9	-12.01	-13.55	-14.12	-14.96	-16.11
Θ(165°)	-16.43	-16.75	-18.17	-16.49	-13.03	-9.82	-8.61	-8.45	-9.26	-11.75	-15.11	-16.96	-16.05	-15.24	-14.99	-13.82	-13.77	-12.93	-11.87	-11.08	-9.78	-10.38	-14.1	-16.07
Θ(180°)	-12.63	-12.46	-11.98	-11.85	-10.24	-10.42	-10.52	-10.68	-10.84	-12.24	-12.92	-13.15	-15.51	-15.25	-13.78	-13.37	-14.2	-14.88	-16.46	-15.65	-15.32	-15.1	-16.65	-14.1
Freq(Hz)	2.45G	Pol.	Theta	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-16.86	-13.31	-9.78	-8.45	-7.34	-6.93	-6.87	-7.66	-8.65	-10.06	-13.78	-18.87	-17.81	-19.01	-12.34	-8.86	-7.39	-6.11	-5.81	-6.87	-7.78	-9.73	-12.96	-18.5
Θ(15°)	-6.58	-4.99	-3.74	-3.2	-2.95	-2.81	-3.05	-3.11	-4.29	-5.87	-7.92	-11.84	-17.6	-18.89	-17.5	-13.76	-11.66	-10.49	-11.31	-12.55	-19.89	-18.82	-13.97	-9.22
Θ(30°)	-3.7	-2.87	-3.12	-2.84	-1.89	-1.62	-2	-3.11	-4.59	-6.57	-9.33	-13.28	-14.54	-12.51	-10.93	-9.86	-10.77	-12.51	-17.48	-19.09	-15.66	-10.59	-7.19	-4.76
Θ(45°)	-1.99	-1.37	-1.8	-2.53	-1.58	-1.22	-1.48	-2.51	-4.5	-5.82	-5.33	-4.69	-4.45	-4.09	-4.74	-5.97	-6.42	-7.76	-8.76	-7.51	-4.75	-3.1	-2.76	-2.32
Θ(60°)	-4.59	-2.97	-2	-2.57	-1.7	-2.07	-3.84	-4.73	-3.42	-3.22	-1.17	1.08	1.13	1.24	1.49	1.21	1.28	-0.05	-2.06	-4.11	-5.34	-4.86	-4.27	-4.74
Θ(75°)	-3.64	-3.67	-5.18	-4.74	-1.31	0.54	-0.44	-2.84	-2.44	-1.54	0.84	3.19	3.16	2.97	3.25	3.06	2.5	1.09	-0.81	-3.59	-6.92	-5.82	-5.36	-4.95
Θ(90°)	-8.26	-5.38	-4.99	-8.41	-3.25	-0.88	-0.37	-0.28	0.54	-0.32	1.46	3.1	3.06	2.35	1.44	1.2	1.17	0.92	-0.24	-2.68	-4.28	-5.99	-7.92	-7.18
Θ(105°)	-8.39	-13.78	-10.13	-14.78	-5.57	-3.5	-4.25	-1.7	1.34	0.01	-0.34	1.26	0.63	-1.19	-0.06	2.1	2.59	2.22	-0.12	-2.24	-4.27	-17.4	-10.62	-10.1
Θ(120°)	-9.63	-12.51	-18.9	-17.6	-11.09	-5.17	-5.88	-5.16	-1.73	-2.22	0.52	2.3	0.8	-0.33	0.98	0.19	-1.5	-3.75	-4.44	-5.76	-7.22	-13.5	-13.4	-9.72
Θ(135°)	-7.96	-8.27	-11.76	-10.69	-12	-18.32	-18.67	-9.9	-6.33	-3.52	-0.42	0.12	-1.35	-2.1	-1.49	-2.58	-4.67	-9.63	-10.06	-9.18	-13.42	-17.69	-18.8	-12.47
Θ(150°)	-8.82	-8.93	-8.2	-8.39	-8.63	-10	-8.67	-8.09	-7.31	-5.62	-4.33	-4.31	-4.74	-4.17	-4.24	-3.86	-2.95	-2.51	-1.83	-1.75	-2.25	-2.96	-4.25	-6.79
Θ(165°)	-8.9	-9.08	-9.52	-9.85	-9.9	-9.99	-8.89	-7.63	-6.27	-6.19	-6.29	-6.74	-8.22	-8.48	-8.94	-8.84	-9.31	-9.93	-10.24	-11.66	-10.97	-9.74	-9.17	-9.78
Θ(180°)	-18.52	-16.77	-13.57	-12.74	-12.78	-12.05	-11.61	-11.53	-12.68	-13.78	-15.88	-16.22	-17.18	-15.28	-16.05	-14.27	-13.93	-13.61	-12.88	-13.9	-13.51	-13.8	-15.82	-16.6

Freq(Hz)	5.2G	Pol.	Phi	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-13.27	-13.73	-12.25	-11	-7.45	-6.55	-6.47	-5.95	-6.66	-6.91	-7.92	-9.96	-12	-13.38	-11.07	-8.84	-8.35	-7.16	-6.87	-6.99	-7.21	-7.36	-9.01	-13.34
Θ(15°)	-11.67	-15.62	-15.2	-11.29	-8.62	-9.08	-9.85	-8.25	-6.55	-6.74	-6.22	-7.48	-10.43	-13.71	-15.01	-19.02	-16.15	-8.84	-7.18	-5.51	-7.32	-11.52	-17.94	-17.45
Θ(30°)	-9.04	-10.39	-12.4	-8.61	-5.1	-7.13	-8.3	-11.4	-11.07	-6.84	-6.15	-8.2	-7.57	-6.28	-8.43	-11.58	-18.73	-12.71	-9.96	-7.35	-7.68	-13.13	-18.28	-12.9
Θ(45°)	-14.75	-18.01	-17.95	-12.97	-9.93	-11.12	-18.73	-18.92	-11.15	-13.94	-15.05	-17.92	-18.39	-9.4	-5.94	-5.92	-9.41	-16.66	-5.4	-4.38	-8.68	-13.57	-11.27	-9.96
Θ(60°)	-12.41	-15.28	-17.4	-11.39	-7.66	-5.09	-11.64	-14.89	-13.49	-14.38	-18.99	-12.34	-11.13	-14.74	-18.5	-16.65	-13.2	-18.76	-10.64	-9.08	-12.08	-17.88	-18.82	-13.51
Θ(75°)	-11.77	-18.33	-19.05	-15.4	-11.79	-6.73	-13.32	-18.85	-8.72	-13.12	-18.49	-18.59	-17.5	-18.94	-19.19	-14.05	-7.78	-10.54	-15.99	-8.56	-8.74	-18.79	-12.95	-9.72
Θ(90°)	-16.19	-14.62	-12.13	-12.97	-13.91	-15.96	-8.5	-7.16	-9.69	-14.74	-18.57	-18.52	-18.63	-19.9	-19.29	-11.88	-8.57	-14.55	-18.8	-11.36	-8.39	-17.9	-18.8	-12.89
Θ(105°)	-16.22	-18.13	-18.02	-19.23	-7.37	-6.71	-9.29	-9.89	-6.26	-6.22	-8.17	-11.42	-18.88	-18.07	-15.43	-17.13	-15.18	-11.17	-17.66	-9.42	-10.83	-14.14	-12.26	-9.54
Θ(120°)	-10.29	-12.47	-10.06	-8.66	-7.57	-12.87	-15.25	-7.07	-6.91	-11.27	-11.77	-16.04	-12.68	-17.68	-18.42	-12.87	-7.97	-11.14	-17.49	-10.97	-9.65	-13.76	-14.88	-7.75
Θ(135°)	-13.11	-7.35	-4.51	-4.03	-4.47	-15.05	-17.79	-5.81	-6.52	-12.92	-17.57	-14.64	-14.31	-14.18	-18.52	-17.28	-7.21	-6.75	-19.26	-18.26	-2.95	-8.58	-11.28	-18.02
Θ(150°)	-18.05	-10.59	-5.2	-5.16	-11.53	-18.41	-16.91	-9.74	-6.97	-6.87	-8.88	-11.21	-18.77	-12.55	-10.76	-12.11	-11.94	-14.59	-15.08	-14.34	-19.16	-18.3	-13.49	-14.94
Θ(165°)	-18.13	-16.38	-16.69	-17.46	-19.22	-17.87	-13.44	-11.15	-10.92	-11.95	-10.59	-15.54	-18.75	-17.05	-12.87	-12.2	-13.01	-16.07	-17.72	-18.58	-18.31	-17.59	-17.92	-19.03
Θ(180°)	-10.04	-9.27	-9.5	-11.76	-13.32	-17.25	-17.82	-18.86	-16.42	-14.59	-12.03	-12.25	-11.31	-9.96	-8.49	-8.56	-11.59	-16.74	-18.48	-18.23	-17.85	-15.07	-13.01	-10.49
Freq(Hz)	5.2G	Pol.	Theta	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-6.23	-6.13	-5.75	-6.73	-8.01	-10.86	-13.97	-14.65	-12.95	-12.14	-10.37	-8.03	-6.38	-6.07	-5.25	-6.19	-7.92	-11.21	-14.5	-15.67	-17.67	-14.89	-10.79	-7.93
Θ(15°)	-8.71	-8.69	-8	-8.59	-13.25	-17.98	-18.55	-14.36	-15.45	-13.02	-10.88	-11.21	-12.44	-13.76	-11.96	-9	-9.33	-11.78	-13.8	-12.31	-11.35	-10.24	-8.44	-8.22
Θ(30°)	-11.68	-8.93	-6.01	-5.94	-6.53	-8.6	-13.38	-9.7	-5.12	-2.67	-2.99	-3.19	-4.34	-7.25	-7.94	-7.07	-8.45	-8.21	-7.46	-8.07	-8.41	-11.05	-12.04	-11.65
Θ(45°)	-10.8	-6.48	-6.34	-4.26	-2.68	-4.34	-8.17	-10.04	-3.25	-2.26	-2.02	-2.03	-2.72	-1.54	-2.74	-3.76	-7.01	-4.74	-6.32	-8.48	-7.3	-7.89	-7.47	-7.5
Θ(60°)	-5.21	-6.18	-9.91	-6.89	-6.19	-6.71	-2.27	-0.95	-2.79	-3.14	-4.83	-2.83	-2.63	-1.33	-2.45	-0.77	-1.52	-3.69	-5.19	-5.45	-7.66	-10.43	-8.22	-4.51
Θ(75°)	-3.09	-10.36	-11.91	-8.34	-10.4	-10.7	-1.13	1.57	-0.61	-5	-4.59	-0.83	-2.04	0.03	-2.08	0.89	3	0.79	-2.69	-1.8	-3.83	-5.35	-5.73	-6.18
Θ(90°)	-6.41	-13.55	-18.44	-10.4	-14.45	-6.84	0.51	-0.39	-2.57	-4.37	-1.53	-0.99	-2.18	0.24	-0.99	1.48	0.94	2.5	1.95	-0.64	-3.89	-9.14	-7.96	-9.29
Θ(105°)	-7.75	-8.92	-18.21	-17.64	-7.7	-1.05	1.07	-3.67	-8.02	-0.27	1.68	1.4	0.31	1.6	-0.22	-0.19	0.43	-1.13	-2.6	-2.2	-5.11	-10.04	-11.73	-6.03
Θ(120°)	-15.26	-10.78	-17.98	-14.79	-7.86	-1.56	-2.43	-11.71	-9.61	-1.79	0.6	1.1	-0.77	1.9	-2.41	-2.25	1.41	-0.47	-8.29	-0.78	-11.23	-2.74	-11.86	-6.35
Θ(135°)	-7.47	-11.01	-12.83	-8.2	-7.4	-9.11	-9.88	-9.94	-6.36	-3.55	-4.36	-3.41	-9.56	-2.78	-8.69	-7.23	-2.76	-2.29	-17.45	-0.55	-14	-17.81	-7.85	-9.18
Θ(150°)	-17.98	-11.74	-13.79	-8.95	-12.17	-10.92	-5.69	-3.42	-4.44	-3.28	-3.91	-7.96	-9.98	-7.28	-7.81	-7.02	-6.88	-9.93	-14.46	-12.57	-16.54	-18.66	-17.54	-17.84
Θ(165°)	-13.61	-14.13	-17.04	-16.5	-11.14	-7.93	-6.98	-8.58	-8.15	-6.68	-7.8	-11.82	-14.23	-10.91	-8.64	-9.39	-12.03	-14.38	-17.62	-18.77	-16.6	-14.38	-16.25	-12.3
Θ(180°)	-11.58	-11.91	-15.64	-16.38	-14.07	-10.77	-9.36	-8.06	-7.27	-6.84	-7.86	-10.23	-13.02	-18.88	-17.25	-12.84	-9.76	-8.88	-10.06	-10.02	-9.87	-11.44	-13.18	-13.18
Freq(Hz)	5.3G	Pol.	Phi	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-15.24	-17.42	-17.81	-13.8	-10.7	-9.9	-7.2	-7.4	-6.66	-6.87	-9.96	-13.65	-15.3	-18.57	-18.02	-13.71	-12.72	-10.04	-8.35	-8.13	-8.15	-8.87	-10.1	-13.73
Θ(15°)	-18.48	-11.81	-9.67	-8.86	-8.25	-9.04	-9.72	-10.13	-9.73	-11.04	-14.52	-14.34	-10.76	-9.83	-14.45	-17.83	-17.7	-12.81	-9.7	-7.82	-7.06	-7.29	-8.39	-15.27
Θ(30°)	-9.03	-8.27	-9.08	-7.76	-6.97	-7.35	-8.8	-14.71	-16.82	-11.35	-11.44	-11.6	-10.77	-7.29	-8.76	-10.75	-15.87	-14.66	-6.87	-6.63	-8.19	-9.5	-15.28	-19.1
Θ(45°)	-16.83	-15.89	-18.87	-14.3	-11.05	-10.2	-14.45	-12.34	-10.07	-9.55	-16.75	-18.93	-14.28	-8.44	-7.97	-5.97	-8.68	-18.47	-7.88	-6.66	-12.71	-14.32	-10.75	-12.21
Θ(60°)	-12.45	-12.88	-11.64	-13.91	-10.05	-9.98	-14	-9.28	-7.77	-8.99	-14.15	-15.74	-17.81	-18.97	-17.96	-11.86	-10.64	-18.94	-13.96	-9.99	-10.07	-15.77	-18.76	-16.57
Θ(75°)	-13.43	-19.42	-18.19	-18.42	-7.86	-7.16	-12.44	-13.31	-11.28	-15.8	-16.84	-12.4	-15.41	-18.33	-17.87	-18.77	-8.71	-9.08	-19.1	-5.83	-7.54	-18.75	-14.41	-12.95
Θ(90°)	-13.39	-13.58	-9.3	-11.6	-17.7	-17.76	-8.02	-8.14	-11.27	-13.93	-16.33	-18.12	-17.83	-18.45	-18.02	-15.63	-10.46	-16.06	-18.45	-14.39	-12.23	-16.7	-16.2	-12.29
Θ(105°)	-16.4	-12.66	-16.9	-18.74	-9.07	-6.12	-7.45	-8.49	-6.28	-6.31	-7.57	-10.22	-16.49	-16.94	-13.79	-15.28	-15.05	-10.32	-16.76	-10.53	-11.87	-11.09	-8.81	-8.31
Θ(120°)	-8.65	-12.56	-9.46	-10.34	-9.26	-17.86	-16.61	-9.55	-10.97	-13.25	-12.02	-15.6	-10.11	-18.69	-14.93	-16.34	-8.98	-13.64	-16.54	-9.02	-9.61	-12.01	-18.38	-8.96
Θ(135°)	-19.31	-6.98	-3.42	-2.72	-5	-17.01	-13.68	-6.24	-8.3	-13.29	-14.21	-9.65	-17.97	-14.68	-13.89	-13.65	-5.66	-4.71	-15.92	-17.74	-2.41	-6.65	-12.96	-12.47
Θ(150°)	-11.96	-7.81	-4.71	-5.82	-10.89	-19.27	-18.66	-12.13	-8.45	-7.98	-8.74	-9.67	-17.52	-13.42	-10.19	-12.62	-10.28	-13.86	-15.64	-15.51	-12.35	-10.78	-9.42	-12.19
Θ(165°)	-17.96	-18.24	-18.47	-15.17	-18.8	-17.9	-13.11	-9.59	-10.31	-13.89	-13.37	-17.68	-18.49	-17.11	-11.37	-10.35	-10.62	-12.19	-15.06	-16.67	-19.35	-17.79	-18.06	-18.92
Θ(180°)	-14.17	-10.61	-10.61	-11.83	-13.53	-14.58	-15.07	-18.38	-18.11	-19.2	-15.3	-12.93	-12.57	-10.66	-9.71	-8.77	-9.66	-12.83	-18.42	-18	-17.77	-19.05	-14.91	-12.62
Freq(Hz)	5.3G	Pol.	Theta	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-6.95	-6.5	-7.76	-9.22	-11.19	-13.94	-18.66	-17.98	-18.91	-14.61	-10.15	-8.13	-7.51	-7.5	-8.28	-9.29	-10.35	-13.57	-16.64	-17.91	-17.6	-15.76	-13.93	-10.81
Θ(15°)	-9.57	-9.98	-10.85	-12.95	-13.88	-18.93	-15.06	-11.88	-9.22	-8.12	-9.24	-9.99	-9.37	-11.59	-15.24	-18.1	-16.57	-13.34	-12.67	-12.05	-12.19	-10.56	-8.89	-8.41
Θ(30°)	-13.27	-7.27	-5.15	-5.86	-7.51	-9.42	-10.52	-7.56	-4.15	-2.25	-3.13	-3.04	-2.9	-4.27	-5.88	-5.8	-6.74	-9.3	-8.69	-6.2	-6.48	-12.14	-15.25	-17.58
Θ(45°)	-8.78	-6.77	-5.36	-3.24	-2.82	-7.92	-10.99	-5.5	-2.69	-1.81	-3.06	-2.12	-3.37	-0.87	-1.18	-1.33	-5.58	-7.29	-6.79	-7.85	-12.63	-8.34	-4.74	-5.79
Θ(60°)	-6.44	-6.17	-8.18	-5.5	-5.41	-6.45	-2.96	-1.16	-3.23	-2.97	-3.91	-2.46	-2.79	-1.2	-1.01	-0.72	-1.41	-3.64	-4.22	-5.79	-7.36	-8.89	-7.48	-6.04
Θ(75°)	-3.52	-9.52	-8.43	-6.87	-7.39	-8.72	-2.42	0.89	-1.76	-7.79	-3.56	-1.5	-3.01	0.59	-2.08	-1.24	2.14	2.31	-1	-3.64	-5.98	-4.91	-4.68	-5.48
Θ(90°)	-5.24	-10.38	-17.89	-15.41	-16.32	-5.93	0.03	-0.56	-3.87	-5.86	-2	-0.34	-0.1	1.28	-0.33	1.35	1.83	0.53	0.82	-0.29	-2.36	-8.82	-7.67	-6.19
Θ(105°)	-9.28	-8.97	-18.21	-17.88	-8.91	-1.64	0.34	-4.94	-6.44	0.01	1.71	1.67	1.04	1.43	-1.54	-0.49	1.31	-2.84	-2.86	-1.58	-4.1	-9.07	-11.31	-7.42
Θ(120°)	-13.63	-9.94	-18.66	-17.18	-7.86	-2.77	-4.57	-17.25	-6.5	-0.36	1.21	1.69	-0.57	2.39	-1.62	-1.89	1.89	-1.32	-13.31	-1	-12.8	-2.41	-9.79	-6.92
Θ(135°)	-9.13	-9.6	-16.81	-9.66	-8.37	-12.52	-6.91	-8.02	-5.79	-4.21	-4.32	-3.04	-8.66	-2.54	-7.98	-11.13	-3.5	-2.65	-13.75	0.03	-16.53	-14.15	-7.69	-9.08
Θ(150°)	-18.27	-15.46	-16.15	-11.73	-14.44	-11.25	-5.18	-2.96	-4.13	-4.03	-4.98	-9.5	-13.5	-11.45	-9.88	-7.88	-7.82	-11.54	-15.82	-8.99	-13.84	-18.13	-17.54	-16.23
Θ(165°)	-16.06	-15.49	-18.34	-18.31	-11.79	-8.66	-6.44	-6.28	-6.9	-6.2	-6.75	-9.57	-11.21	-9.48	-7.6	-7.54	-9.42	-14.25	-19.11	-18.87	-18.57	-14.65	-15.12	-12.37
Θ(180°)	-11.58	-12.73	-14.53	-18.21	-17.07	-14.92	-11.47	-10.47	-9.31	-8.05	-9.17	-10.46	-11.96	-15.11	-17.46	-19.27	-13.65	-11.69	-11.93	-11.21	-11.16	-12	-12.42	-14.2
Freq(Hz)	5.6G	Pol.	Phi	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-13.47	-13.58	-16	-18.37	-17.84	-18.47	-19.08	-18.56	-18.83	-16.3	-15.54	-15.27	-13.35	-16.09	-18.17	-17.64	-11.39	-14.21	-16.7	-18.88	-18.32	-19.11	-16.01	-12.51
Θ(15°)	-19.01	-18.77	-18.99	-18.88	-17.7	-17.95	-19.24	-18.92	-19.02	-18.75	-18.87	-18.5	-17.94	-12.2	-10.91	-11.79	-13.96	-17.32	-16.26	-13.49	-15.11	-11.73	-12.06	-12.71
Θ(30°)	-17.62	-13.27	-12.69	-16.39	-12.68	-15.18	-18.77	-18.45	-17.85	-17.82	-18.1	-18.54	-18.92	-17.7	-18.23	-12.07	-10.66	-14.92	-13.55	-12.55	-9.7	-11.62	-12.94	-16.32
Θ(45°)	-18.34	-14.44	-16.07	-16.75	-13.81	-14.69	-15.3	-17.59	-16.03	-17.69	-16.83	-14.95	-17.22	-19.44	-17.96	-19.34	-14.17	-15.03	-18.95	-17.89	-12.63	-14.34	-18.45	-17.97
Θ(60°)	-17.9	-17.49	-18.14	-15.74	-11.94	-18.77	-12.68	-8.82	-11.69	-18.05	-19.07	-13.07	-17.98	-16.22	-18.91	-17.07	-18.15	-16.24	-10.55	-10.24	-14.56	-17.46	-18.88	-17.92
Θ(75°)	-17.81	-18.07	-18.49	-15.7	-11.06	-15.5	-10.04	-6.14	-8.83	-15.99	-14.16	-12.36	-12.27	-14.93	-14.06	-12.06	-13.06	-11.62	-16.84	-18.37	-9.9	-18.02	-13.35	-12.06
Θ(90°)	-18.75	-18.66	-18.94	-17.93	-16.11	-18.04	-15.44	-11.64	-18.95	-14.36	-9.47	-10.16	-13.31	-18.67	-17.81	-18.42	-18.76	-13.19	-15.95	-18.37	-13.2	-16.2	-17.43	-12.75
Θ(105°)	-18.21	-13.07	-19.35	-16.34	-12.93	-11.71	-10.49	-8.93	-10.72	-7.37	-8.42	-10.11	-11.88	-12.08	-17.82	-18.48	-14.98	-13.59	-18.31	-18.76	-13.79	-13.51	-18.31	-14.29
Θ(120°)	-13.4	-14.05	-12.87	-11.21	-10.5	-18.95	-12.11	-8.44	-12.77	-15.13	-12.41	-12.07	-15.51	-12.08	-15.33	-18.86	-14.36	-9.03	-19.18	-18.04	-8.81	-10.02	-18.83	-8.18
Θ(135°)	-18.64	-13.42	-8.48	-9.38	-12.32	-11.82	-8.07	-8.06	-18.65	-14.4	-12.16	-12.46	-18.05	-10.22	-13.61	-15.78	-18.54	-6.48	-9.8	-6.38	-6.24	-9.98	-14.66	-11.29
Θ(150°)	-7.22	-11.96	-13.77	-14.35	-13.93	-10.83	-14.24	-18.78	-18.59	-14.46	-9.53	-7.3	-8.22	-15.53	-11.14	-18.01	-13.76	-17.2	-17.64	-14.65	-18.63	-11.44	-7.74	-6.64
Θ(165°)	-19.38	-10.65	-11.3	-16.1	-17.88	-18.32	-13.8	-14.1	-17.12	-18.01	-16.21	-17.92	-18.39	-17.49	-18.23	-18.53	-15.49	-14.9	-15.88	-13.63	-12.56	-12.64	-13.27	-18.73
Θ(180°)	-15.47	-17.2	-18.61	-14.58	-13.21	-16.19	-15.46	-18.78	-17.34	-18.92	-18.58	-16.29	-16.32	-16.89	-17.51	-13.41	-14.23	-11.7	-15	-13.45	-15.49	-15.62	-14.4	-11.77
Freq(Hz)	5.6G	Pol.	Theta	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-17.7	-18.23	-17.87	-14.77	-13.45	-14.51	-14.61	-14.1	-15.98	-16.4	-17.99	-17.68	-19.07	-18.19	-17.43	-14.68	-14.74	-12.6	-11.77	-14	-13.79	-15.43	-15.34	-18.3
Θ(15°)	-7.04	-7.46	-9.38	-11.83	-10.69	-10.08	-8.56	-8.62	-9.41	-7.12	-7.73	-8.01	-8.94	-10.5	-13.31	-18.52	-17.32	-16.3	-18.87	-18.59	-16.97	-14.21	-10.75	-8.37
Θ(30°)	-10.64	-8.6	-11.51	-10.43	-8.96	-9.5	-8.71	-4.01	-4.53	-5.46	-5.15	-7.83	-6.46	-5.18	-4.3	-4.31	-8.24	-6.1	-8.29	-8.26	-9.06	-10.72	-11.11	-11.53
Θ(45°)	-9.88	-7.19	-7.48	-6.8	-4.94	-6.18	-6.66	-3.7	-5.39	-4.63	-3.64	-3.74	-3	-1.44	-0.67	-2.57	-4.02	-4.51	-7.04	-9.2	-8.47	-12.54	-10.88	-9.79
Θ(60°)	-4.19	-8.14	-12.02	-7.95	-5.54	-5.14	-4.59	-1.69	-2.41	-3.94	-3.78	-2	-2.91	-0.91	-1.4	-1.16	-1.38	-0.58	-2.95	-4.37	-7.28	-9.55	-7.01	-5.24
Θ(75°)	-1.79	-5.37	-8.56	-15.48	-10.49	-8.72	-2.81	-2.87	-4.92	-2.14	0.56	0.98	-1.71	1.18	-0.95	0.94	1.68	1.29	-0.36	-0.97	-5.28	-8.76	-7.29	-7.09
Θ(90°)	-9.14	-16.53	-18.36	-13.16	-9.77	-5.45	-2.02	-2.67	-4.02	-0.51	1.83	1.97	0.89	1.24	0.43	1.94	2.02	1.76	0.65	-1.82	-2.1	-12.06	-11.49	-6.25
Θ(105°)	-17.59	-11.36	-18.41	-15.58	-8.04	-4.64	-2.99	-3.19	-2.47	0.97	-0.19	-0.08	-0.84	2.11	-0.58	-0.45	1.36	-3.79	-2.85	-2.42	-4.88	-5.19	-11.8	-11.63
Θ(120°)	-8.38	-9.6	-14.23	-10.4	-5.1	-5.84	-6.33	-2.79	0.5	0.96	-0.36	0.09	-0.27	2.52	-2.53	-2.55	1.55	-1.65	-6.76	0.3	-12.14	-4.32	-9.68	-9.05
Θ(135°)	-18.03	-12.76	-18.78	-16.48	-12.99	-10.05	-6.56	-5.61	-4.2	-4.6	-6.25	-5.58	-7.38	-1.45	-7.01	-7.13	-2.19	-2.81	-11.35	-1.27	-10.98	-7.95	-10.55	-17.22
Θ(150°)	-16.44	-17.53	-17.94	-17.83	-10.22	-7.03	-3.27	-3.71	-7.24	-7.64	-10.45	-11.34	-9.15	-6.68	-9	-13.92	-16.05	-8.94	-16.35	-8.98	-10.27	-11.2	-11.93	-17.1
Θ(165°)	-15.06	-17.76	-19.13	-16.42	-11.92	-8.47	-6.64	-6.14	-7.74	-9.16	-7.32	-8.2	-9.33	-11.3	-11.02	-8.03	-7.29	-11.67	-17.18	-18.89	-17.59	-15.92	-12.86	-10.6
Θ(180°)	-15.25	-18.41	-17.82	-18.6	-19.21	-19.01	-18.16	-16.27	-13.5	-13.03	-14.3	-15.14	-16.22	-17.39	-18.84	-18.97	-18.09	-17.83	-16.71	-16.53	-13.14	-14.21	-13.75	-15.82
Freq(Hz)	5.785G	Pol.	Phi	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Gain	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°)
Θ(0°)	-18.94	-17.64	-18.68	-18.96	-17.98	-19.3	-18.01	-19.3	-19.05	-19.02	-18.89	-18.57	-18.83	-17.82	-17.4	-14.65	-15.27	-19.41	-17.95	-18.28	-18.23	-18.4	-18.89	-18.22
Θ(15°)	-17.92	-18.82	-18.79	-19.09	-19.07	-18.6	-18.57	-18.22	-17.89	-17.46	-17.98	-18.89	-17.72	-16.92	-14.77	-18.49	-17.78	-16.8	-18.71	-18.83	-17.86	-18.96	-18.8	-17.14
Θ(30°)	-18.49	-17.19	-17.86	-19.02	-18.2	-18.43	-19.07	-18.71	-18.46	-17.91	-17.76	-18.55	-18.13	-18.84	-17.8	-18.69	-15.99	-15.45	-14.45	-18.39	-15.67	-14.34	-19.71	-19.15
Θ(45°)	-18.92	-17.74	-16.99	-18.57	-18.14	-18.11	-17.83	-17.47	-14.8	-16.58	-15.5	-18.08	-18.79	-18.15	-18.42	-18.46	-15.22	-16.98	-13.43	-18.9	-18.8	-17.47	-19.18	-18.06
Θ(60°)	-16.81	-17.71	-17.03	-18.38	-18.22	-19.14	-16.41	-12.94	-14.67	-17.88	-18.56	-18.36	-18.83	-17.84	-17.9	-17.48	-17.68	-16.56	-16.38	-18.08	-16.77	-16.51	-18.51	-18.53
Θ(75°)	-18.85	-17.6	-19.21	-18.73	-17.11	-18	-13.1	-12.31	-15.84	-13.95	-15.51	-15.43	-18.08	-18.1	-17.34	-18.73	-17.97	-17.99	-19.1	-17.93	-18.17	-19.18	-18.53	-19.08
Θ(90°)	-18.86	-19.02	-18.95	-13.65	-16.24	-18.41	-15.1	-13.57	-16.36	-13.46	-11.87	-13.74	-16.94	-18.52	-17.9	-19.16	-18.12	-17.31	-18.36	-19.32	-14.7	-17.52	-18.47	-15.8
Θ(105°)	-18.75	-13.35	-18.15	-19.57	-18.21	-17.96	-17.32	-17.1	-18.7	-17.88	-13.69	-14.58	-17.51	-19.42	-19.12	-19.19	-17.75	-18.17	-17.49	-14.67	-12.86	-17.1	-12.61	-19.34
Θ(120°)	-18.6	-18.97	-16.1	-15.06	-12.13	-18.54	-14.47	-15.8	-19.09	-15.73	-15.84	-18.81	-18.32	-15.68	-15.23	-18.31	-13.11	-11.59	-18.18	-13.24	-15.21	-18.5	-19.37	-14.47
Θ(135°)	-18.38	-16.08	-11.77	-14.07	-17.51	-13.93	-10.48	-17.12	-12.66	-17.74	-14.64	-17.88	-18.31	-15.62	-14.24	-17.09	-12.26	-6.91	-11.88	-8.3	-6.41	-8.9	-18.26	-12.32
Θ(150°)	-13.35	-18.29	-17.96	-17.2	-18.4	-11.51	-15.28	-17.32	-16.97	-14.58	-16.79	-14.94	-15.26	-18.03	-18.32	-18.84	-18.94	-19.06	-19.54	-12.41	-18.19	-16.03	-10.79	-11.91
Θ(165°)	-17.1	-12.54	-12.85	-13.59	-18.73	-18.89	-16.19	-16.95	-14.15	-14.32	-18.34	-18.75	-17.91	-18.39	-19.07	-17.79	-14.46	-13.13	-14.94	-15.06	-15.49	-16.44	-18.97	-17.78
Θ(180°)	-18.96	-15.63	-14.86	-16.26	-16.78	-17.35	-17.85	-18.24	-18.77	-18.74	-17.91	-18.07	-17.66	-19.03	-18.32	-15.97	-16.65	-18.79	-17.65	-18.95	-17.78	-18.04	-18.92	-18.75
Freq(Hz)	5.785G	Pol.	Theta	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-17.25	-19.66	-18.57	-18.93	-18.8	-18.49	-18.49	-19.46	-18.74	-18.2	-17.16	-19.2	-19.06	-19.27	-18.7	-18.96	-18.06	-18.44	-18	-17.41	-17.85	-18.9	-16.21	-17.25
Θ(15°)	-15.52	-15.63	-14.51	-13.28	-14.53	-16.16	-18.21	-13.27	-12.96	-11.02	-10.63	-10.46	-12.29	-11.56	-13.59	-14.87	-15.83	-18.97	-18.32	-19.18	-18.04	-19.15	-17.63	-17.97
Θ(30°)	-11.25	-12.02	-14.11	-8.83	-7.34	-9.11	-12.88	-9.43	-7.53	-9.32	-7.61	-6.48	-7.72	-5.28	-4.91	-5.4	-6.04	-5.97	-4.93	-6.31	-9.56	-9.93	-13.06	-14.04
Θ(45°)	-7.96	-8.3	-13.7	-8.22	-6.3	-5.65	-6.87	-6.56	-4.29	-2.84	-2.45	-2.53	-2.96	-1.48	-1.45	-2.44	-4.31	-4.5	-4.1	-7.32	-7.61	-9.94	-11.44	-10.19
Θ(60°)	-6.19	-8.87	-12.49	-7.87	-5.42	-3.67	-3.96	-4.42	-2.65	-2.7	-0.99	-0.95	-1.58	0.25	0.18	-0.4	-2.74	-1.56	-1.51	-5.18	-7.05	-10.06	-8.39	-7.31
Θ(75°)	-2.8	-7.47	-18.61	-11.73	-7.99	-4.8	-3.22	-3.05	-0.5	-0.73	0.49	-0.13	-1.05	1.98	0.61	1.29	1.96	1.21	0.91	-1.12	-5.23	-7.04	-8.41	-9.07
Θ(90°)	-12.17	-18.45	-16.04	-11.66	-9.2	-5.88	-3.63	-3.01	-0.24	0.24	1.29	1.91	-0.88	1.49	0.23	3.09	2.68	2.53	2.22	-1.48	-1.64	-8.46	-13.66	-8.96
Θ(105°)	-18.02	-9.7	-13.92	-16.96	-9.91	-5.35	-4.35	-1.35	-0.4	-0.28	0	1.42	0.62	3.08	0.93	0.95	2.49	-3.73	-0.59	-1.83	-4.38	-6.25	-18.72	-11.22
Θ(120°)	-8.21	-8.13	-17.45	-11.48	-5.49	-4.52	-4.72	-2.48	-1.66	-1.13	-0.2	0.4	0.15	3.32	-0.27	-0.9	2.7	-0.66	-6.11	1.13	-8.79	-7.87	-11.44	-9.69
Θ(135°)	-15.19	-12.12	-13.44	-9.27	-9.89	-8.3	-7.07	-5.11	-5.38	-6.17	-3.36	-4.12	-4.01	-0.52	-5.8	-5.54	-1.31	-4.09	-9.54	0.29	-15.84	-4.42	-12.15	-16.93
Θ(150°)	-15.77	-15.88	-16.45	-19.43	-12.63	-11.36	-8.81	-8.66	-13.02	-12.5	-9.3	-9.31	-7.7	-5.24	-7.53	-10.69	-16.54	-9.25	-13.38	-10.13	-17.37	-15.52	-14.3	-17.44
Θ(165°)	-15.58	-18.65	-17.79	-19.02	-16.58	-13.59	-12.87	-10.26	-11.14	-14.15	-10.38	-7.51	-6.2	-6.98	-9.93	-8.66	-9.22	-12.11	-18.53	-18.54	-17.79	-18.42	-18.7	-16.31
Θ(180°)	-18.68	-18.04	-17.71	-17.52	-19.17	-17.25	-19.06	-18.31	-17.46	-16.35	-17.34	-18.06	-17.26	-19.17	-17.97	-17.46	-18.7	-18.52	-17.17	-16.24	-18.7	-18.17	-15.68	-18.08

Total Gain Data

Freq(Hz)	2.45G	Pol.	Total	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-7.94	-8.15	-7.87	-7.07	-6.21	-6.58	-7.09	-6.40	-5.97	-6.35	-5.64	-6.51	-6.36	-6.36	-6.34	-6.57	-6.91	-7.19	-7.78	-6.78	-6.49	-6.52	-6.53	-7.21
Θ(15°)	-6.45	-5.04	-4.17	-3.47	-2.59	-1.93	-1.62	-1.67	-1.84	-2.33	-2.95	-3.71	-4.42	-4.63	-5.59	-7.53	-9.78	-11.76	-13.36	-10.19	-8.78	-8.94	-7.95	-7.35
Θ(30°)	-8.53	-6.50	-4.22	-2.56	-1.62	-0.98	-1.16	-1.56	-1.86	-2.27	-3.02	-2.90	-3.14	-3.35	-4.04	-4.67	-6.19	-8.00	-9.88	-9.07	-9.93	-9.35	-10.24	-9.57
Θ(45°)	-5.90	-3.74	-2.74	-2.41	-1.80	-0.77	-0.58	-0.92	-2.01	-3.71	-5.31	-5.69	-6.82	-7.60	-6.04	-4.28	-2.90	-2.61	-2.57	-2.94	-4.14	-6.28	-8.17	-8.50
Θ(60°)	-0.26	0.26	-0.14	-1.56	-1.50	-0.28	0.48	0.25	-0.44	-1.40	-1.82	-0.64	-1.44	-2.71	-4.23	-8.27	-9.93	-6.04	-4.14	-3.89	-3.77	-2.27	-1.32	-1.04
Θ(75°)	0.25	1.31	0.85	0.25	1.12	1.60	1.74	1.31	1.26	-1.39	-2.69	-1.12	-2.09	-2.18	-2.60	-3.84	-5.37	-4.55	-3.12	-3.30	-1.02	0.09	0.41	0.10
Θ(90°)	2.04	2.06	1.64	1.53	2.82	2.21	0.21	-2.34	-2.08	-3.76	-2.71	-3.34	-4.64	-4.52	-4.26	-3.68	-3.61	-2.95	-0.51	0.28	0.27	1.17	1.71	1.89
Θ(105°)	2.54	2.79	1.29	1.22	1.54	-0.69	-4.25	-4.16	-3.16	-4.91	-4.24	-4.63	-4.26	-6.15	-4.94	-7.55	-8.47	-5.72	-1.68	1.03	2.67	2.13	1.08	0.70
Θ(120°)	1.14	1.93	-1.20	-6.09	-3.60	-2.58	-4.25	-3.99	-2.80	-1.97	-1.34	-2.26	-5.79	-7.58	-5.78	-6.28	-5.90	-3.50	-1.28	-0.49	0.20	1.17	0.03	-1.01
Θ(135°)	-0.97	0.03	-1.57	-2.93	-4.97	-5.58	-4.19	-2.58	-1.32	-1.49	-2.72	-4.68	-8.49	-7.43	-4.41	-5.96	-8.16	-5.20	-2.64	-1.51	-1.85	-1.73	-2.20	-2.65
Θ(150°)	1.39	1.45	0.61	-1.36	-5.13	-11.17	-14.81	-12.75	-10.50	-8.56	-7.52	-5.80	-4.66	-3.06	-2.16	-2.04	-1.85	-0.36	1.84	3.20	3.78	3.65	2.76	1.96
Θ(165°)	-3.16	-3.49	-4.95	-6.33	-7.25	-6.84	-5.02	-4.31	-3.93	-4.19	-4.87	-4.88	-5.45	-6.17	-7.02	-8.32	-9.93	-9.28	-6.65	-5.20	-4.16	-3.43	-3.05	-3.01
Θ(180°)	-5.86	-5.97	-6.58	-6.27	-5.43	-5.22	-5.88	-6.24	-6.47	-6.68	-7.57	-8.50	-8.90	-7.99	-8.65	-8.66	-8.66	-8.25	-7.59	-7.04	-6.56	-5.98	-5.10	-5.21
Freq(Hz)	5.2G	Pol.	Total	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-4.81	-5.04	-4.88	-4.79	-5.42	-6.07	-6.55	-6.50	-6.36	-6.49	-6.75	-7.03	-7.34	-6.13	-6.01	-5.10	-4.76	-5.09	-5.45	-6.44	-6.22	-6.98	-7.02	-6.76
Θ(15°)	-2.60	-1.99	-1.90	-1.63	-2.45	-2.54	-2.70	-2.39	-1.92	-2.65	-2.83	-3.70	-4.97	-6.68	-9.46	-11.55	-9.41	-7.48	-8.57	-8.99	-8.17	-6.19	-4.62	-3.44
Θ(30°)	-1.10	-1.06	-0.73	-0.16	-0.48	0.94	1.30	1.19	0.20	-0.76	-1.62	-3.46	-3.99	-4.98	-6.57	-8.75	-13.53	-8.89	-3.28	-4.54	-3.99	-1.94	-1.08	-1.24
Θ(45°)	-1.64	-0.64	-0.22	-0.38	0.06	1.28	2.36	-0.47	-5.14	-4.71	-8.27	-7.42	-6.92	-5.23	-2.97	-3.17	-6.64	-8.76	-4.49	-1.53	-0.52	0.54	0.21	0.16
Θ(60°)	-1.83	-1.19	-2.20	-4.50	-4.82	-1.75	-1.13	-3.10	-2.05	-1.69	-4.18	-4.65	-5.35	-5.37	-8.78	-6.74	-5.39	-5.60	-2.53	-2.32	-1.27	-0.57	-1.72	-1.04
Θ(75°)	-4.50	-2.36	-3.18	-5.07	-4.31	-7.94	-3.81	-2.51	-1.36	-2.52	-7.04	-8.49	-3.22	-2.99	-5.00	-9.94	-1.84	-0.59	-0.91	0.19	-0.25	-2.78	-3.62	-1.87
Θ(90°)	-3.32	-0.78	-1.36	-3.20	-3.46	-8.49	-9.71	-10.05	-4.82	-4.74	-4.67	-4.12	-2.28	-4.04	-11.08	-6.57	-2.98	-4.46	-1.74	-0.11	-0.87	-1.19	-2.77	-1.78
Θ(105°)	-1.37	-1.01	-0.91	0.74	2.60	-0.75	-2.98	-4.64	-5.77	-4.75	-6.19	-13.37	-10.96	-3.68	-5.72	-2.68	-12.74	-1.72	-1.41	-1.57	0.79	-1.07	-1.85	-0.59
Θ(120°)	-1.35	0.87	1.18	1.20	-0.08	0.82	0.19	-1.70	-2.39	-5.98	-8.43	-10.91	-5.75	-3.14	-4.21	-2.73	-10.61	1.21	-2.73	1.17	1.57	-2.66	-1.70	1.56
Θ(135°)	-2.98	-1.00	-3.65	-3.97	-3.06	-1.14	-0.81	-5.01	-1.77	-1.45	-3.62	-8.21	-9.20	-8.89	-3.80	-8.03	0.44	-2.41	-8.16	-2.94	-0.78	-5.19	-2.36	2.07
Θ(150°)	-9.56	-10.90	-7.86	-5.65	-3.40	-3.11	-3.48	-2.16	-1.70	-1.55	-2.55	-4.19	-5.79	-7.73	-4.67	-4.88	-3.71	-7.82	-9.48	-9.95	-8.19	-11.50	-12.39	-7.66
Θ(165°)	-9.87	-9.21	-6.94	-8.04	-11.53	-12.56	-9.68	-8.26	-8.50	-9.05	-7.75	-6.35	-5.90	-6.23	-9.93	-12.28	-12.29	-10.26	-9.89	-13.50	-13.50	-12.20	-12.98	-10.24
Θ(180°)	-8.63	-8.88	-9.80	-9.91	-9.27	-9.99	-9.23	-8.28	-8.04	-7.19	-7.08	-6.84	-7.88	-9.51	-8.51	-7.85	-6.73	-6.06	-7.14	-6.68	-6.03	-5.29	-5.16	-6.67
Freq(Hz)	5.3G	Pol.	Total	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-7.70	-8.11	-8.70	-8.47	-8.74	-8.13	-6.83	-8.33	-8.43	-8.92	-8.35	-7.51	-8.56	-8.88	-8.62	-8.29	-8.03	-8.13	-7.46	-8.62	-8.60	-7.45	-6.66	-6.94
Θ(15°)	-1.92	-2.61	-3.07	-2.89	-2.43	-2.81	-3.18	-2.53	-2.15	-2.76	-3.96	-4.95	-6.01	-8.26	-9.67	-8.46	-6.95	-7.13	-9.77	-10.60	-8.72	-5.78	-3.38	-2.17
Θ(30°)	-1.47	-1.26	-1.59	-0.79	-1.33	-0.86	0.20	-0.01	-0.18	-1.69	-2.97	-4.41	-5.96	-7.39	-8.53	-10.55	-9.84	-7.26	-4.87	-6.11	-1.72	-0.90	-1.09	-1.16
Θ(45°)	-3.62	-2.47	-3.36	-1.48	-0.48	0.54	2.11	0.43	-3.89	-6.54	-8.11	-7.49	-6.51	-4.86	-3.21	-5.27	-9.56	-7.82	-5.52	-3.05	-2.65	-1.13	-1.88	-1.08
Θ(60°)	-2.63	-2.43	-3.71	-3.54	-4.40	-1.93	-3.07	-4.75	-4.75	-5.72	-6.43	-5.19	-7.07	-6.40	-7.62	-6.81	-9.38	-4.26	-1.56	-1.58	-1.24	-1.48	-2.37	-1.85
Θ(75°)	-2.17	-0.91	-2.94	-3.71	-3.56	-6.84	-5.72	-2.33	-0.61	-3.32	-8.88	-9.69	-3.47	-4.41	-7.61	-5.67	-2.17	-1.81	-2.06	-0.65	-0.69	-2.38	-2.58	0.06
Θ(90°)	-2.53	-0.19	-0.50	-1.07	-2.75	-6.86	-8.79	-7.73	-6.63	-7.18	-7.14	-6.25	-4.18	-6.57	-12.32	-8.63	-5.97	-3.98	-1.69	0.49	0.82	0.34	-1.60	0.10
Θ(105°)	-2.44	-0.43	0.05	0.05	1.34	-0.11	-2.76	-3.79	-6.68	-6.65	-5.79	-10.84	-12.86	-4.97	-7.63	-4.53	-9.55	-0.34	-2.01	-1.81	1.12	-1.45	-2.09	-0.22
Θ(120°)	-1.44	0.55	1.11	1.70	0.14	0.94	0.76	-2.47	-2.57	-4.50	-6.38	-14.86	-6.96	-3.59	-4.41	-4.17	-7.80	2.20	-4.28	0.21	1.74	-3.51	-1.65	1.86
Θ(135°)	-3.04	-1.04	-3.30	-3.63	-3.38	-2.32	-1.31	-5.86	-4.31	-3.20	-4.70	-9.03	-9.55	-8.39	-3.64	-7.27	-0.88	-2.47	-7.11	-3.51	0.08	-4.38	-2.78	2.26
Θ(150°)	-5.90	-7.45	-6.94	-7.76	-6.02	-4.90	-3.79	-2.31	-2.27	-2.28	-4.00	-5.94	-7.53	-9.37	-6.72	-7.07	-4.04	-7.57	-11.80	-12.53	-10.73	-9.26	-7.85	-5.48
Θ(165°)	-7.22	-8.56	-7.09	-7.00	-10.74	-15.69	-12.04	-7.69	-6.94	-8.49	-9.96	-8.38	-7.76	-7.58	-9.44	-11.97	-13.18	-11.42	-11.85	-11.48	-9.73	-9.86	-9.38	-7.94
Θ(180°)	-9.71	-10.17	-8.72	-8.63	-8.80	-9.44	-10.34	-10.57	-9.54	-9.89	-9.41	-8.20	-7.78	-8.72	-8.95	-8.67	-7.32	-7.71	-8.52	-7.73	-7.22	-6.30	-6.49	-8.30
Freq(Hz)	5.6G	Pol.	Total	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-10.53	-13.77	-14.96	-13.17	-12.11	-11.87	-12.47	-13.89	-11.91	-11.71	-12.88	-13.57	-13.09	-13.38	-12.62	-13.43	-14.62	-12.85	-11.41	-12.35	-13.00	-13.54	-12.06	-9.72
Θ(15°)	-6.82	-6.86	-6.86	-8.42	-9.73	-8.99	-8.81	-8.90	-8.16	-8.05	-6.77	-7.04	-8.31	-8.86	-8.64	-9.56	-13.44	-14.53	-15.55	-13.57	-9.00	-7.98	-7.50	-7.86
Θ(30°)	-8.22	-8.50	-5.90	-5.66	-4.97	-4.53	-5.47	-4.69	-5.24	-5.13	-7.13	-6.58	-8.58	-10.64	-11.59	-7.91	-4.66	-6.38	-6.16	-4.30	-4.18	-4.34	-4.52	-5.73
Θ(45°)	-4.87	-4.45	-3.93	-3.09	-4.42	-4.10	-3.99	-3.09	-3.47	-8.31	-11.59	-7.22	-10.48	-6.98	-8.00	-7.45	-7.99	-7.85	-6.55	-5.64	-4.97	-6.19	-3.84	-3.75
Θ(60°)	-2.89	-2.22	-2.55	-0.82	-2.86	-2.44	-1.81	-2.88	-2.89	-6.41	-8.06	-8.33	-6.65	-6.67	-8.95	-6.84	-5.08	-3.87	-4.01	-1.14	-2.92	-1.47	-1.01	-0.38
Θ(75°)	-1.51	-0.18	0.19	-0.99	-1.48	-2.82	-4.80	-7.47	-4.40	-5.40	-10.30	-8.81	-1.71	-7.82	-10.12	-5.37	-5.02	-1.44	-1.79	0.48	0.50	-0.88	-2.36	0.63
Θ(90°)	-1.05	2.25	1.20	0.56	-0.16	-1.24	-6.57	-9.45	-6.53	-9.80	-15.45	-12.80	-8.65	-7.81	-9.92	-5.77	-2.78	-1.65	0.75	2.21	3.68	1.60	-0.88	1.17
Θ(105°)	0.65	1.69	1.12	0.59	1.01	-0.23	-4.44	-6.34	-14.43	-10.93	-9.54	-7.91	-8.99	-7.48	-7.81	-6.95	-3.85	1.09	-1.09	-0.13	2.44	-0.35	1.46	3.28
Θ(120°)	-0.31	0.17	-0.36	0.56	-0.05	-0.13	-1.07	-1.45	-1.22	-7.00	-13.01	-8.59	-6.67	-8.91	-8.16	-5.04	-5.79	1.78	-11.49	0.69	3.03	-0.90	0.64	3.11
Θ(135°)	-5.39	-2.92	-2.23	-1.01	-1.84	-4.10	-4.25	-5.25	-9.56	-6.65	-6.69	-11.73	-14.36	-8.32	-5.35	-4.20	-2.80	-0.99	-8.37	-0.24	-0.38	-7.39	-4.83	0.43
Θ(150°)	-7.80	-7.89	-7.18	-8.46	-15.22	-10.02	-9.06	-7.79	-7.18	-6.12	-6.90	-7.89	-12.48	-9.90	-6.54	-10.37	-7.65	-9.45	-12.66	-7.33	-10.11	-10.10	-8.45	-6.45
Θ(165°)	-3.54	-3.81	-4.76	-5.07	-5.57	-9.41	-11.97	-11.18	-11.05	-11.27	-11.09	-11.89	-14.75	-14.20	-11.14	-10.15	-12.95	-13.59	-11.25	-7.53	-5.63	-5.70	-4.03	-3.46
Θ(180°)	-10.87	-11.39	-9.27	-9.17	-10.45	-13.58	-13.22	-13.17	-12.54	-10.54	-10.55	-9.18	-8.23	-9.29	-10.23	-9.56	-8.78	-11.64	-11.17	-13.35	-11.38	-9.47	-9.70	-10.41
Freq(Hz)	5.785G	Pol.	Total	Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-14.14	-12.89	-11.60	-11.50	-13.03	-12.54	-14.46	-14.76	-11.74	-10.38	-13.34	-15.24	-12.55	-12.20	-13.77	-13.37	-14.15	-13.91	-13.77	-11.67	-11.42	-14.46	-11.89	-10.74
Θ(15°)	-7.84	-7.53	-7.45	-7.15	-7.32	-6.90	-8.57	-9.54	-8.99	-8.51	-9.19	-10.32	-10.19	-10.68	-10.33	-10.67	-13.96	-14.84	-13.42	-10.46	-9.26	-8.77	-8.28	-8.75
Θ(30°)	-5.05	-5.49	-5.22	-4.09	-3.66	-4.48	-6.85	-7.01	-5.51	-6.30	-8.37	-12.39	-13.97	-12.20	-10.26	-7.52	-8.99	-8.00	-4.65	-4.00	-2.89	-4.54	-4.54	-3.97
Θ(45°)	-1.38	-1.51	-2.54	-2.06	-2.92	-3.30	-3.25	-6.02	-7.45	-9.38	-8.71	-7.37	-9.71	-8.86	-8.34	-6.75	-5.88	-6.07	-3.14	-2.33	-3.25	-3.14	-1.63	-1.21
Θ(60°)	-0.86	-1.25	-1.05	0.19	-0.42	-2.41	-2.01	-3.18	-5.84	-7.02	-7.75	-7.15	-5.41	-6.16	-5.40	-5.77	-6.75	-3.34	-1.71	-0.61	-2.65	-0.58	-0.02	0.73
Θ(75°)	-0.21	-0.40	0.20	1.04	0.58	-3.26	-3.61	-4.46	-6.32	-6.85	-10.26	-7.01	-2.60	-9.22	-11.10	-3.53	-4.48	0.84	-0.42	0.92	1.19	0.11	-0.31	1.53
Θ(90°)	-1.14	2.04	0.60	1.16	0.78	-2.54	-5.20	-9.72	-8.52	-8.55	-13.54	-14.56	-8.06	-8.00	-9.13	-3.44	-2.78	0.27	0.74	3.24	4.49	2.18	0.93	3.24
Θ(105°)	0.90	2.14	1.33	-0.30	0.82	-0.08	-4.54	-8.31	-12.45	-15.45	-13.95	-9.13	-16.10	-9.32	-7.55	-5.24	-4.82	0.64	-1.18	0.97	2.75	1.05	2.87	3.45
Θ(120°)	-0.59	-0.26	-0.96	0.29	0.38	-0.86	-2.45	-4.39	-4.01	-8.11	-12.56	-7.31	-6.51	-10.55	-10.94	-5.43	-6.42	2.36	-7.94	0.01	2.27	-1.84	0.12	2.40
Θ(135°)	-3.98	-4.72	-2.13	-3.35	-3.63	-5.38	-4.68	-5.43	-9.88	-9.42	-7.72	-7.15	-13.99	-11.73	-9.80	-2.73	-3.12	-0.03	-8.03	-1.63	-1.24	-6.18	-3.56	-1.14
Θ(150°)	-12.73	-10.44	-9.79	-8.39	-12.17	-12.24	-9.67	-9.79	-9.42	-10.24	-8.23	-7.80	-14.14	-10.08	-7.81	-8.78	-10.22	-8.36	-15.43	-10.41	-15.52	-14.49	-8.70	-7.26
Θ(165°)	-4.51	-5.00	-6.94	-6.29	-5.60	-8.07	-12.35	-11.41	-12.62	-12.08	-13.78	-14.58	-15.71	-11.32	-10.25	-10.52	-12.74	-15.95	-15.54	-11.01	-7.00	-6.38	-5.26	-5.29
Θ(180°)	-15.26	-14.56	-14.48	-15.63	-14.93	-14.51	-13.47	-14.67	-13.01	-11.08	-12.30	-14.27	-12.19	-11.46	-11.37	-11.88	-12.82	-12.75	-14.06	-15.13	-16.39	-15.27	-14.48	-13.23
Freq(Hz)	2.45G	Pol.	Total	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-5.83	-6.02	-5.73	-5.48	-5.76	-6.17	-6.60	-7.27	-7.64	-6.69	-7.26	-6.40	-6.08	-7.00	-7.01	-7.04	-6.91	-5.81	-5.47	-5.70	-5.46	-5.29	-6.04	-6.25
Θ(15°)	-2.82	-2.34	-2.01	-2.15	-2.46	-2.63	-2.93	-2.96	-4.14	-5.03	-5.93	-7.20	-7.98	-8.69	-11.23	-11.17	-10.71	-9.66	-8.84	-7.46	-6.79	-5.59	-4.76	-3.64
Θ(30°)	-1.94	-1.54	-1.96	-2.06	-1.38	-1.32	-1.89	-2.92	-3.86	-5.27	-7.19	-8.69	-9.32	-9.57	-9.86	-8.90	-9.38	-9.33	-9.43	-9.48	-7.24	-5.13	-4.24	-2.84
Θ(45°)	-1.90	-1.28	-1.53	-2.10	-1.36	-1.09	-1.38	-2.15	-3.51	-5.01	-4.72	-4.18	-4.01	-3.50	-3.78	-4.65	-4.92	-6.59	-8.26	-7.22	-4.28	-2.70	-2.40	-2.20
Θ(60°)	-4.39	-2.87	-1.54	-1.60	-0.49	-0.78	-2.96	-3.96	-3.07	-2.90	-0.83	1.29	1.28	1.33	1.54	1.26	1.33	0.02	-1.96	-3.64	-4.38	-4.08	-3.75	-4.58
Θ(75°)	-3.41	-3.43	-4.84	-4.52	-1.22	0.60	-0.28	-2.28	-2.12	-1.45	0.94	3.25	3.23	3.07	3.29	3.09	2.54	1.20	-0.44	-2.70	-4.62	-4.18	-4.10	-4.28
Θ(90°)	-7.08	-4.44	-2.63	-3.07	-0.91	-0.09	-0.29	-0.14	0.86	-0.13	1.60	3.23	3.21	2.41	1.50	1.29	1.22	1.01	0.08	-1.28	-1.32	-2.02	-4.34	-5.56
Θ(105°)	-7.31	-10.25	-4.84	-3.97	-1.45	-1.37	-3.28	-1.62	1.41	0.07	-0.28	1.31	0.68	-1.11	-0.00	2.15	2.62	2.32	0.37	-0.50	-0.66	-3.02	-4.90	-7.41
Θ(120°)	-9.12	-10.29	-7.78	-3.66	-1.47	-0.98	-3.87	-4.99	-1.53	-2.07	0.71	2.41	0.87	-0.25	1.06	0.34	-1.42	-3.36	-3.83	-4.48	-4.35	-4.78	-6.90	-8.91
Θ(135°)	-6.01	-7.29	-10.87	-10.07	-9.86	-13.76	-14.96	-8.24	-6.06	-3.24	-0.22	0.18	-1.27	-2.00	-1.41	-2.45	-4.51	-9.06	-9.10	-5.34	-5.60	-4.87	-4.17	-5.45
Θ(150°)	-7.53	-6.92	-6.54	-6.91	-7.21	-7.03	-5.81	-5.88	-6.48	-5.34	-4.18	-4.15	-4.37	-3.50	-3.31	-3.04	-2.34	-1.84	-1.32	-1.36	-1.94	-2.64	-3.90	-6.31
Θ(165°)	-8.19	-8.39	-8.96	-9.00	-8.18	-6.89	-5.74	-5.01	-4.50	-5.12	-5.75	-6.35	-7.56	-7.65	-7.98	-7.64	-7.98	-8.17	-7.97	-8.35	-7.32	-7.04	-7.96	-8.86
Θ(180°)	-11.63	-11.09	-9.69	-9.26	-8.32	-8.15	-8.02	-8.07	-8.65	-9.93	-11.14	-11.41	-13.25	-12.25	-11.76	-10.79	-11.05	-11.19	-11.30	-11.68	-11.31	-11.39	-13.20	-12.16
Freq(Hz)	5.2G	Pol.	Total	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-5.45	-5.43	-4.87	-5.35	-4.71	-5.18	-5.76	-5.40	-5.74	-5.77	-5.96	-5.88	-5.33	-5.33	-4.24	-4.31	-5.12	-5.72	-6.18	-6.44	-6.84	-6.65	-6.80	-6.83
Θ(15°)	-6.93	-7.89	-7.24	-6.72	-7.33	-8.55	-9.30	-7.30	-6.02	-5.82	-4.94	-5.95	-8.31	-10.72	-10.21	-8.59	-8.51	-7.06	-6.32	-4.69	-5.87	-7.82	-7.98	-7.73
Θ(30°)	-7.15	-6.59	-5.11	-4.06	-2.75	-4.79	-7.13	-7.46	-4.14	-1.26	-1.28	-2.00	-2.65	-3.73	-5.17	-5.75	-8.06	-6.89	-5.52	-4.68	-5.02	-8.96	-11.11	-9.22
Θ(45°)	-9.33	-6.18	-6.05	-3.71	-1.93	-3.51	-7.80	-9.51	-2.60	-1.97	-1.81	-1.92	-2.60	-0.88	-1.04	-1.70	-5.04	-4.47	-2.83	-2.95	-4.93	-6.85	-5.96	-5.55
Θ(60°)	-4.45	-5.68	-9.20	-5.57	-3.85	-2.81	-1.79	-0.78	-2.44	-2.83	-4.67	-2.37	-2.06	-1.14	-2.34	-0.66	-1.23	-3.56	-4.10	-3.89	-6.32	-9.71	-7.86	-4.00
Θ(75°)	-2.54	-9.72	-11.14	-7.56	-8.03	-5.27	-0.88	1.61	0.01	-4.38	-4.42	-0.76	-1.92	0.08	-2.00	1.03	3.35	1.10	-2.49	-0.97	-2.61	-5.16	-4.98	-4.59
Θ(90°)	-5.98	-11.04	-11.22	-8.49	-11.16	-6.34	1.02	0.44	-1.80	-3.99	-1.44	-0.91	-2.08	0.28	-0.93	1.68	1.40	2.58	1.99	-0.29	-2.57	-8.60	-7.62	-7.72
Θ(105°)	-7.17	-8.43	-15.10	-15.35	-4.52	-0.01	1.45	-2.74	-4.04	0.71	2.11	1.62	0.36	1.65	-0.09	-0.10	0.55	-0.72	-2.47	-1.45	-4.08	-8.61	-8.98	-4.43
Θ(120°)	-9.09	-8.53	-9.41	-7.71	-4.70	-1.25	-2.21	-5.79	-5.04	-1.33	0.84	1.18	-0.50	1.95	-2.30	-1.89	1.88	-0.11	-7.80	-0.38	-7.36	-2.41	-10.10	-3.98

Θ(135°)	-6.42	-5.80	-3.91	-2.62	-2.68	-8.12	-9.23	-4.39	-3.43	-3.07	-4.16	-3.09	-8.31	-2.48	-8.26	-6.82	-1.43	-0.96	-15.25	-0.48	-2.62	-8.09	-6.22	-8.65
Θ(150°)	-15.00	-8.12	-4.64	-3.64	-8.83	-10.21	-5.37	-2.51	-2.51	-1.70	-2.71	-6.28	-9.44	-6.15	-6.03	-5.85	-5.70	-8.65	-11.75	-10.36	-14.65	-15.47	-12.05	-13.14
Θ(165°)	-12.30	-12.10	-13.85	-13.94	-10.51	-7.51	-6.10	-6.67	-6.31	-5.55	-5.96	-10.28	-12.92	-9.96	-7.25	-7.56	-9.48	-12.13	-14.66	-15.66	-14.36	-12.68	-13.99	-11.46
Θ(180°)	-7.73	-7.38	-8.55	-10.47	-10.67	-9.89	-8.78	-7.71	-6.77	-6.17	-6.45	-8.11	-9.07	-9.44	-7.95	-7.18	-7.57	-8.22	-9.48	-9.41	-9.23	-9.88	-10.08	-8.62
Freq(Hz)	5.3G	Pol.	Total	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-6.35	-6.16	-7.35	-7.92	-7.93	-8.46	-6.90	-7.04	-6.41	-6.19	-7.04	-7.06	-6.84	-7.17	-7.84	-7.95	-8.36	-8.45	-7.75	-7.70	-7.68	-8.06	-8.60	-9.02
Θ(15°)	-9.04	-7.79	-7.21	-7.43	-7.20	-8.62	-8.61	-7.91	-6.46	-6.33	-8.11	-8.63	-7.00	-7.61	-11.82	-14.95	-14.09	-10.06	-7.93	-6.43	-5.90	-5.61	-5.62	-7.60
Θ(30°)	-7.64	-4.73	-3.67	-3.70	-4.22	-5.25	-6.57	-6.79	-3.92	-1.75	-2.53	-2.47	-2.24	-2.51	-4.08	-4.59	-6.24	-8.19	-4.68	-3.40	-4.24	-7.61	-12.25	-15.26
Θ(45°)	-8.15	-6.27	-5.17	-2.91	-2.21	-5.90	-9.37	-4.68	-1.96	-1.13	-2.88	-2.03	-3.03	-0.17	-0.35	-0.05	-3.85	-6.97	-4.29	-4.20	-9.66	-7.36	-3.77	-4.90
Θ(60°)	-5.47	-5.33	-6.56	-4.91	-4.13	-4.86	-2.63	-0.54	-1.92	-2.00	-3.52	-2.26	-2.66	-1.13	-0.92	-0.40	-0.92	-3.51	-3.78	-4.39	-5.50	-8.08	-7.17	-5.67
Θ(75°)	-3.10	-9.10	-7.99	-6.58	-4.61	-4.86	-2.01	1.05	-1.30	-7.15	-3.36	-1.16	-2.77	0.65	-1.97	-1.16	2.48	2.61	-0.93	-1.59	-3.68	-4.73	-4.24	-4.76
Θ(90°)	-4.62	-8.68	-8.74	-10.09	-13.95	-5.65	0.66	0.14	-3.14	-5.23	-1.84	-0.27	-0.03	1.33	-0.26	1.44	2.08	0.62	0.87	-0.12	-1.93	-8.16	-7.10	-5.24
Θ(105°)	-8.51	-7.42	-14.50	-15.28	-5.98	-0.32	1.01	-3.35	-3.35	0.92	2.19	1.94	1.12	1.49	-1.29	-0.35	1.41	-2.13	-2.69	-1.06	-3.43	-6.95	-6.87	-4.83
Θ(120°)	-7.45	-8.05	-8.97	-9.52	-5.49	-2.64	-4.31	-8.87	-5.17	-0.14	1.41	1.77	-0.11	2.42	-1.42	-1.74	2.23	-1.07	-11.62	-0.36	-7.91	-1.96	-9.23	-4.81
Θ(135°)	-8.73	-5.09	-3.23	-1.92	-3.36	-11.20	-6.08	-4.03	-3.86	-3.70	-3.90	-2.18	-8.18	-2.28	-6.99	-9.20	-1.44	-0.55	-11.69	0.10	-2.24	-5.94	-6.56	-7.44
Θ(150°)	-11.05	-7.12	-4.41	-4.83	-9.30	-10.61	-4.99	-2.46	-2.76	-2.56	-3.45	-6.57	-12.05	-9.31	-7.02	-6.62	-5.87	-9.54	-12.72	-8.12	-10.02	-10.05	-8.80	-10.75
Θ(165°)	-13.90	-13.64	-15.39	-13.45	-11.00	-8.17	-5.59	-4.62	-5.27	-5.52	-5.89	-8.95	-10.47	-8.79	-6.08	-5.71	-6.97	-10.09	-13.62	-14.62	-15.93	-12.93	-13.34	-11.50
Θ(180°)	-9.67	-8.53	-9.13	-10.93	-11.94	-11.74	-9.90	-9.82	-8.77	-7.73	-8.22	-8.51	-9.24	-9.33	-9.04	-8.40	-8.20	-9.21	-11.05	-10.38	-10.30	-11.22	-10.48	-10.33
Freq(Hz)	5.6G	Pol.	Total	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-12.08	-12.30	-13.82	-13.20	-12.10	-13.04	-13.28	-12.77	-14.16	-13.34	-13.58	-13.30	-12.32	-14.00	-14.77	-12.90	-9.74	-10.32	-10.56	-12.78	-12.48	-13.88	-12.65	-11.49
Θ(15°)	-6.77	-7.15	-8.93	-11.05	-9.90	-9.42	-8.20	-8.23	-8.96	-6.83	-7.41	-7.64	-8.43	-8.26	-8.94	-10.95	-12.31	-13.77	-14.36	-12.32	-12.93	-9.79	-8.35	-7.01
Θ(30°)	-9.85	-7.33	-9.05	-9.45	-7.42	-8.46	-8.30	-3.86	-4.33	-5.21	-4.94	-7.48	-6.22	-4.94	-4.13	-3.64	-6.27	-5.56	-7.16	-6.89	-6.36	-8.14	-8.92	-10.29
Θ(45°)	-9.30	-6.44	-6.92	-6.38	-4.41	-5.61	-6.10	-3.53	-5.03	-4.42	-3.44	-3.42	-2.84	-1.37	-0.59	-2.48	-3.62	-4.14	-6.77	-8.65	-7.06	-10.34	-10.18	-9.18
Θ(60°)	-4.01	-7.66	-11.07	-7.28	-4.64	-4.96	-3.96	-0.92	-1.93	-3.77	-3.65	-1.67	-2.78	-0.78	-1.32	-1.05	-1.29	-0.46	-2.25	-3.37	-6.54	-8.90	-6.74	-5.01
Θ(75°)	-1.68	-5.14	-8.14	-12.58	-7.76	-7.89	-2.06	-1.19	-3.44	-1.96	0.70	1.18	-1.34	1.29	-0.74	1.15	1.82	1.51	-0.26	-0.89	-3.99	-8.27	-6.33	-5.89
Θ(90°)	-8.69	-14.46	-15.63	-11.91	-8.86	-5.22	-1.83	-2.15	-3.88	-0.33	2.14	2.23	1.05	1.28	0.49	1.98	2.06	1.90	0.74	-1.72	-1.78	-10.64	-10.50	-5.37
Θ(105°)	-14.88	-9.12	-15.84	-12.93	-6.82	-3.86	-2.28	-2.16	-1.86	1.56	0.42	0.33	-0.51	2.27	-0.50	-0.38	1.46	-3.36	-2.73	-2.32	-4.35	-4.59	-10.92	-9.75
Θ(120°)	-7.19	-8.27	-10.49	-7.78	-4.00	-5.63	-5.31	-1.74	0.70	1.07	-0.10	0.35	-0.14	2.67	-2.31	-2.45	1.66	-0.92	-6.52	0.36	-7.15	-3.28	-9.18	-5.58
Θ(135°)	-15.31	-10.07	-8.09	-8.61	-9.63	-7.84	-4.24	-3.65	-4.05	-4.17	-5.26	-4.77	-7.02	-0.91	-6.15	-6.57	-2.09	-1.26	-7.50	-0.10	-4.98	-5.84	-9.13	-10.30
Θ(150°)	-6.73	-10.90	-12.36	-12.74	-8.68	-5.52	-2.94	-3.58	-6.93	-6.82	-6.96	-5.86	-5.65	-6.15	-6.93	-12.49	-11.75	-8.34	-13.94	-7.94	-9.68	-8.31	-6.34	-6.27
Θ(165°)	-13.69	-9.88	-10.64	-13.25	-10.94	-8.04	-5.88	-5.50	-7.27	-8.63	-6.79	-7.76	-8.82	-10.36	-10.26	-7.66	-6.68	-9.98	-13.47	-12.50	-11.37	-10.97	-10.05	-9.98
Θ(180°)	-12.35	-14.75	-15.19	-13.13	-12.24	-14.36	-13.59	-14.34	-12.00	-12.03	-12.92	-12.67	-13.26	-14.12	-15.11	-12.34	-12.73	-10.75	-12.76	-11.71	-11.15	-11.85	-11.05	-10.33
Freq(Hz)	5.785G	Pol.	Total	Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	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°)
Θ(0°)	-15.00	-15.52	-15.61	-15.93	-15.36	-15.87	-15.23	-16.37	-15.88	-15.58	-14.93	-15.86	-15.93	-15.47	-14.99	-13.28	-13.43	-15.89	-14.96	-14.81	-15.03	-15.63	-14.34	-14.70
Θ(15°)	-13.55	-13.93	-13.13	-12.27	-13.22	-14.20	-15.38	-12.06	-11.75	-10.13	-9.90	-9.88	-11.20	-10.45	-11.13	-13.30	-13.69	-14.74	-15.50	-15.99	-14.94	-16.04	-15.17	-14.52
Θ(30°)	-10.50	-10.87	-12.58	-8.43	-7.00	-8.63	-11.94	-8.95	-7.19	-8.76	-7.21	-6.22	-7.34	-5.09	-4.69	-5.20	-5.62	-5.51	-4.47	-6.05	-8.61	-8.59	-12.21	-12.87
Θ(45°)	-7.63	-7.83	-12.03	-7.84	-6.02	-5.41	-6.54	-6.22	-3.92	-2.66	-2.24	-2.41	-2.85	-1.39	-1.36	-2.33	-3.97	-4.26	-3.62	-7.03	-7.29	-9.23	-10.76	-9.53
Θ(60°)	-5.83	-8.34	-11.18	-7.50	-5.20	-3.55	-3.72	-3.85	-2.39	-2.57	-0.91	-0.87	-1.50	0.32	0.25	-0.32	-2.60	-1.42	-1.37	-4.96	-6.61	-9.17	-7.99	-6.99
Θ(75°)	-2.69	-7.07	-15.89	-10.94	-7.49	-4.60	-2.80	-2.56	-0.37	-0.53	0.60	-0.00	-0.96	2.02	0.68	1.33	2.00	1.26	0.95	-1.03	-5.01	-6.78	-8.01	-8.66
Θ(90°)	-11.33	-15.72	-14.25	-9.53	-8.42	-5.64	-3.33	-2.64	-0.14	0.42	1.49	2.03	-0.77	1.53	0.30	3.12	2.72	2.57	2.26	-1.41	-1.43	-7.95	-12.42	-8.14
Θ(105°)	-15.36	-8.14	-12.53	-15.06	-9.31	-5.12	-4.14	-1.24	-0.34	-0.21	0.18	1.53	0.69	3.10	0.97	0.99	2.53	-3.58	-0.50	-1.61	-3.80	-5.91	-11.66	-10.60
Θ(120°)	-7.83	-7.79	-13.71	-9.90	-4.64	-4.35	-4.28	-2.28	-1.58	-0.98	-0.08	0.45	0.21	3.37	-0.13	-0.82	2.81	-0.32	-5.85	1.29	-7.90	-7.51	-10.79	-8.44
Θ(135°)	-13.49	-10.65	-9.51	-8.03	-9.20	-7.25	-5.44	-4.84	-4.64	-5.88	-3.05	-3.94	-3.85	-0.39	-5.22	-5.25	-0.97	-2.26	-7.54	0.85	-5.94	-3.10	-11.20	-11.03
Θ(150°)	-11.38	-13.91	-14.13	-15.16	-11.61	-8.42	-7.93	-8.11	-11.55	-10.41	-8.59	-8.26	-7.00	-5.02	-7.18	-10.07	-14.57	-8.82	-12.44	-8.11	-14.75	-12.76	-9.19	-10.84
Θ(165°)	-13.26	-11.59	-11.64	-12.50	-14.51	-12.47	-11.21	-9.42	-9.38	-11.22	-9.74	-7.20	-5.92	-6.68	-9.43	-8.16	-8.08	-9.58	-13.36	-13.45	-13.48	-14.31	-15.82	-13.97
Θ(180°)	-15.81	-13.66	-13.04	-13.83	-14.80	-14.29	-15.40	-15.26	-15.06	-14.37	-14.61	-15.05	-14.45	-16.09	-15.13	-13.64	-14.54	-15.64	-14.39	-14.38	-15.21	-15.09	-13.99	-15.39

E1(XY plane) – Θ(90)Φ(0-360)
E2(XZ plane) – Θ(0-180)Φ(0) and Θ(0-180)Φ(180)
E3(YZ plane) – Θ(0-180)Φ(90) and Θ(0-180)Φ(270)