Antenna Composite Gain Test Report

Equipment	Access Point
Brand Name	Extreme networks or Extreme Networks
Model Name	AP3000-WW, AP3000X-WW
Applicant	Extreme Networks, Inc. 2121 RDU Center Drive, Morrisville, NC 27560, United States
Manufacturer	Extreme Networks, Inc. 2121 RDU Center Drive, Morrisville, NC 27560, United States
Sample Received	Apr. 07, 2022
Start Test Date	Apr. 14, 2022
Final Test Date	Apr. 14, 2022

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
AP232478	01	Initial issue of report	Nov. 18, 2022

1. Operation Mode and Antenna Information

Antenna Position	RF Port	Brand Name	Model Name	Ant. Type	Connector	Modes of Operation
2G 5GAnt1	1	Senao	5718A0691300	PIFA	I-PEX	2.4GHz, 5GHz
2G 5GAnt2	2	Senao	5718A0690300	PIFA	I-PEX	2.4GHz, 5GHz

Note:

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

2G 5GAnt1~2G 5GAnt2 can be used as transmitting/receiving antenna.

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

2G 5GAnt1~2G 5GAnt2 could transmit/receive simultaneously.

2. 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

3. Testing Location

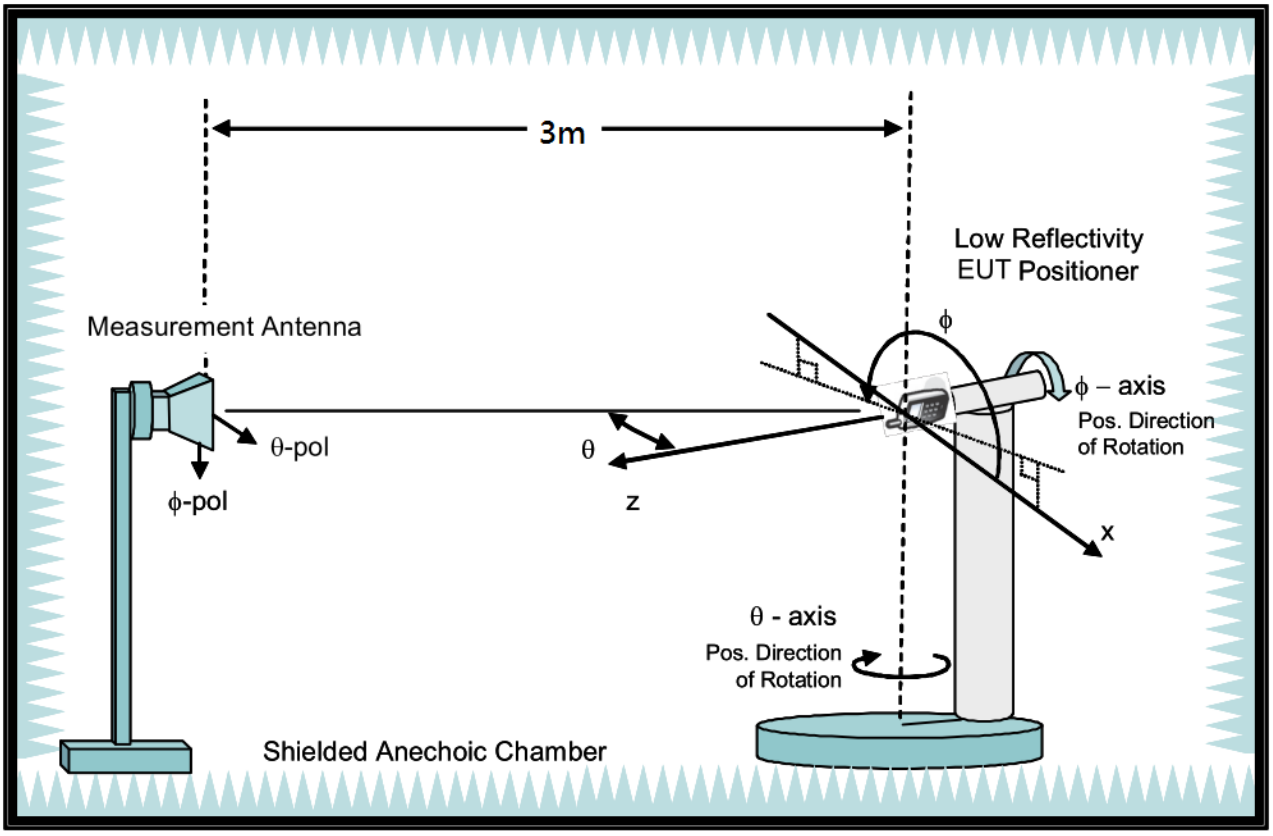
Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Wen 33rd.St.	**ADD:**	No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated	05CH03-HY	Rex Liao	20~21°C / 40~45%	14/Apr/2022

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

4. 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.

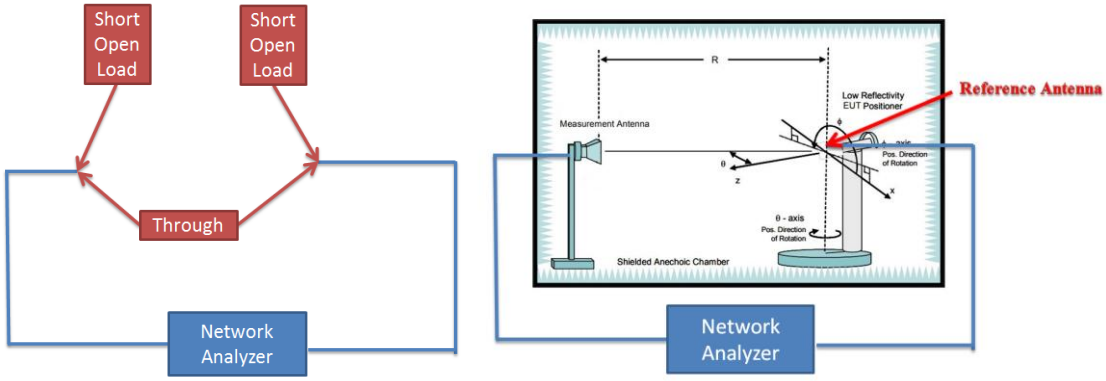
#Reference to CTIA “ctia-test-plan-for-wireless-device-over-the-air-performance-ver-3-7-1”



5. 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)

6. 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 7 tables.

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

7. 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)	2.31	2.12	-2.23	2.65	-3.02
Ant. 2 (dBi)	3.33	0.55	4.74	-0.96	4.12
DG [1SS] (dBi)	5.85	4.38	4.95	4.04	4.27
Polarization	Theta	Theta	Theta	Theta	Theta
Θ(°)	80	50	50	40	60
Φ(°)	240	240	140	180	140

Note: The DG 1SS max value position is the maximum value of section 11 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^(2.31/20)	10^(2.12/20)	10^(-2.23/20)	10^(2.65/20)	10^(-3.02/20)
Ant. 2 [10^(G/20)]	10^(3.33/20)	10^(0.55/20)	10^(4.74/20)	10^(-0.96/20)	10^(4.12/20)
Ant. 1 [10^(G/20)] value	1.305	1.276	0.774	1.357	0.706
Ant. 2 [10^(G/20)] value	1.467	1.065	1.726	0.895	1.607
Sum All Antenna [Amax]	2.772	2.342	2.499	2.252	2.313
DG [10*log(Amax^2/Nant)]	5.85	4.38	4.95	4.04	4.27

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

8. Summary of Test Result

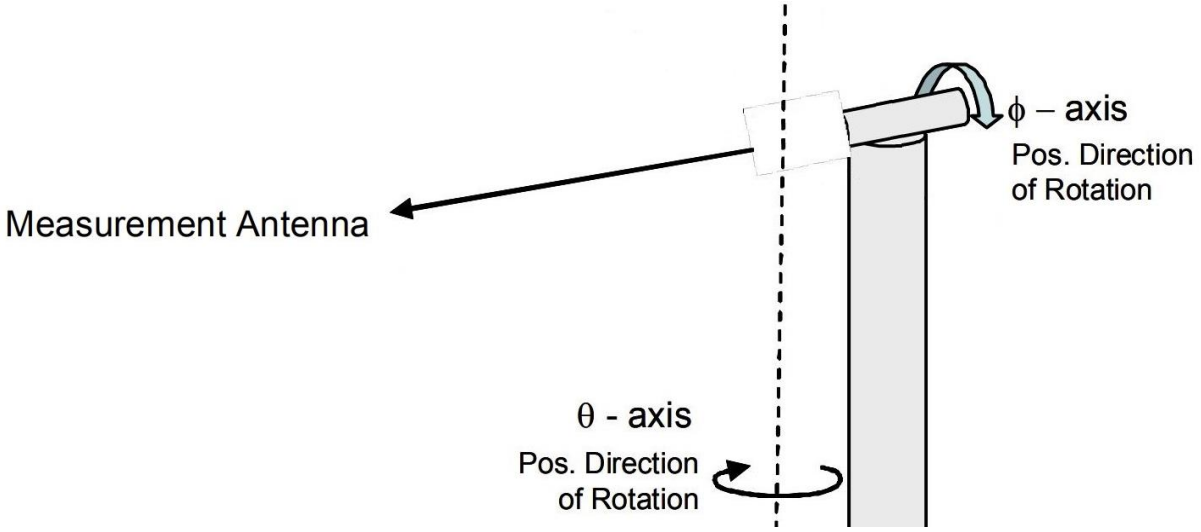
Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	3.86	2.12	2.31	2.76	3.34
Ant. 2 Max Gain (dBi)	3.47	3.81	4.74	3.75	4.12
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/20/350	Theta/50/240	Theta/50/240	Theta/50/180	Theta/50/180
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/80/230	Theta/50/130	Theta/50/140	Theta/60/140	Theta/60/140
Max Gain (dBi)	3.86	3.81	4.74	3.75	4.12
DG [1SS] (dBi)	5.85	4.38	4.95	4.04	4.27
DG [2SS] (dBi)	2.85	1.41	2.52	1.21	1.88

Note:

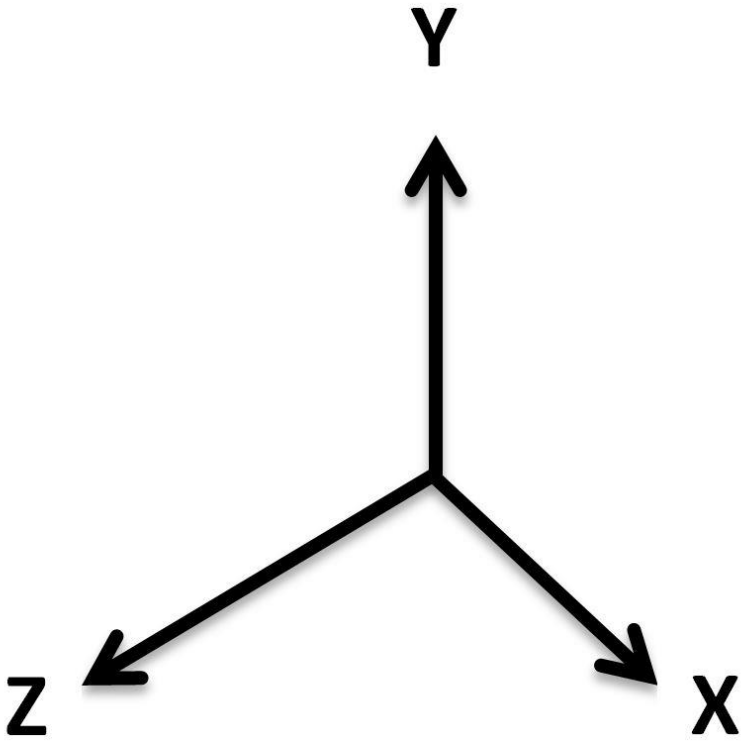
1. Antenna max gain is the max value of each individual antenna through all measurement angles.
2. The max gain is the max value of all antennas.

9. 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.

10. 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.

11. Test Results

Please refer to the appendix.

———THE END———

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	3.86	2.12	2.31	2.76	3.34
Ant. 2 Max Gain (dBi)	3.47	3.81	4.74	3.75	4.12
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/20/350	Theta/50/240	Theta/50/240	Theta/50/180	Theta/50/180
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/80/230	Theta/50/130	Theta/50/140	Theta/60/140	Theta/60/140
Max Gain (dBi)	3.86	3.81	4.74	3.75	4.12
DG [1SS] (dBi)	5.85	4.38	4.95	4.04	4.27
DG [2SS] (dBi)	2.85	1.41	2.52	1.21	1.88

DG 1SS Result

Freq[Hz]	2.45G[PoL	Phi[-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dBi)	θ(0°)/Φ(15°)	Φ(30°)/Φ(60°)	θ(45°)/Φ(90°)	θ(60°)/Φ(75°)	θ(90°)/Φ(90°)	θ(105°)/Φ(110°)	θ(120°)/Φ(130°)	θ(135°)/Φ(150°)	θ(150°)/Φ(170°)	θ(180°)/Φ(190°)	θ(210°)/Φ(210°)	θ(225°)/Φ(230°)	θ(240°)/Φ(250°)	θ(255°)/Φ(270°)	θ(285°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
φ1(0°)	1.41.08	1.1711.24	1.110.69	0.16/-0.42	-1.04/-1.35	-1.13/-0.34	0.55/1.2	1.82/2.08	2.04/1.92	1.68/1.43	1.23/1.09	0.77/0.35	-0.35/-1.22	-2.08/-2.13	-1.33/-0.3	0.87/1.54	2.22/2.51	2.41/1.99
φ1(15°)	1.91/1.82	1.87/1.96	1.73/1.19	0.36/-0.6	-1.49/-2.01	-1.89/-1.08	-0.09/0.86	1.34/1.36	0.72/0.04	-0.03/0.24	0.29/0.97	-0.51/-1.65	-2.48/-2.31	-1.49/-0.57	0.21/1.12	1.85/2.23	2.29/2.14	
φ1(30°)	1.94/2.03	2.27/2.39	2.33/1.78	0.81/-0.7	-2.46/-3.86	-3.99/-3.15	-1.69/-0.32	0.64/1.09	1.04/0.63	-0.16/-1.25	-1.07/-0.25	0.29/0.36	-0.39/-1.32	-2.69/-3.23	-2.47/-1.51	-0.51/0.52	1.31/1.79	1.94/1.82
φ1(30°)	1.59/1.58	1.97/1.69	0.82/-0.86	-1.49/-2.3	-4.72/-4.66	-5.49/-3.3	-1.98/-0.74	-0.9/-1.11	-1.58/-2.6	-2.3/-1.22	-0.69/-0.79	-1.58/-2.95	-4.61/-4.67	-3.39/-2.31	-1.14/-1	-0.28/0.56	1.27/1.56	
φ1(45°)	0.92/0.29	0.53/0.14	0.54/0.57	-0.01/-1.41	-3.88/-8.25	-10.59/-9.02	-6.74/-4.86	-3.92/-3.44	-3.17/-2.93	-3.1/-4.11	-3.41/-2.09	-1.42/-1.62	-2.76/-4.23	-4.9/-4.04	-3.79/-4.29	-4.04/-3.72	-2.51/-0.31	0.91/.24
φ1(60°)	0.17/-0.56	-1.7/-1.91	-1.86/-1.82	-1.92/-2.66	-4.71/-8.69	-12.11/-8.74	-6.25/-4.39	-3.29/-2.57	-1.72/-1.08	-0.84/-1.28	-2.37/-1.56	-0.7/-0.81	-2.64/-1.28	-4.58/-3.67	-3.94/-4.73	-4.76/-4.58	-2.16/0.49	1.28/0.99
φ1(90°)	-1.27/-1.76	-1.67/-1.79	-2.09/-2.29	-2.15/-2.37	-3.56/-6.27	-8.92/-7.79	-5.74/-4.58	-3.95/-3.04	-2.42/-2.11	-1.7/-2.33	-4.44/-4.28	-2.45/-2.23	-3.55/-5.49	-5.01/-3.07	-2.56/-4.25	-7.54/-8.67	-5.33/-1.97	-0.7/-0.7
φ1(75°)	-6.37/-6.64	-6.32/-5.76	-5.37/-4.61	-4.3/-4.44	-5.25/-7.12	-8.89/-7.81	-6.7/-4.79	-7.47/-6.81	-6.74/-5.77	-4.59/-4.54	-5.76/-5.04	-2.62/-2.22	-3.58/-5.64	-5.21/-3.07	-2.31/-3.28	-6.24/-5.84	-4.9/-3.68	-4.22/-5.11
φ1(60°)	-6.26/-6.54	-6.19/-6.85	-7.69/-7.43	-6.73/-6	-6.26/-9.04	-9.07/-7.93	-6.9/-8.62	-10.19/-8.7	-7.81/-7.44	-5.43/-4.23	-5.46/-6.49	-3.82/-2.85	-4.13/-5.95	-4.53/-2.62	-2.64/-4.34	-5.91/-5.83	-4.66/-3.3	-4.39/-5.55
φ1(45°)	-8.97/-9.7	-8.71/-9.17	-10.5/-9.92	-9.11/-8.81	-7.91/-7.72	-7.22/-6.37	-6.03/-8.09	-10.14/-8.49	-7.54/-6.62	-4.13/-4.12	-5.97/-5.8	-3.3/-2.69	-4.02/-5.7	-4.68/-2.92	-2.89/-4.87	-7.35/-6.54	-5.14/-4.99	-6.04/-7.98
φ1(30°)	-13.74/-13.79	-12.5/-10.56	-9.52/-8.77	-9.11/-8.47	-6.15/-6.6	-5.72/-7.22	-8.37/-11.55	-10.62/-8.47	-7.23/-7.74	-7.9/-6.83	-4.87/-4.7	-6.3/-7.65	-8.47/-11.7	-5.94/-3.11	-2.16/-4.35	-6.41/-7.04	-6.11/-8.12	-11.85/-14.8
φ1(15°)	-12.74/-14	-14.9/-14.16	-12.17/-9.87	-10.14/-10.73	-8.62/-6.02	-5.71/-6.17	-6.98/-9	-9.03/-8.55	-9.37/-10.4	-10.35/-10.11	-9.75/-7.53	-5.49/-5.09	-5.42/-5.54	-3.29/-1.68	-2.64/-4.32	-5.91/-6.43	-8.42/-11.65	
φ1(120°)	-12.02/-10.88	-10.85/-11.83	-13.25/-14.04	-13.51/-12.65	-8.25/-5.69	-5.26/-6.2	-8.99/-11.86	-10.36/-7.62	-8.19/-9.18	-10.1/-9.56	-8.49/-8.41	-7.63/-6.72	-6.42/-5.32	-3.69/-3.44	-5.09/-5.13	-3.94/-4.37	-6.21/-10.04	-13.99/-13.59
φ1(135°)	-8.43/-8.65	-8.24/-7.72	-8.33/-9.55	-10.42/-10.74	-10.35/-7.83	-6.4/-6.98	-9.08/-9.11	-6.52/-4.4	-7.19/-12.09	-15.55/-10.12	-5.1/-5.39	-3.1/-3.31	-3.28/-2.55	-1.77/-2.04	-3.91/-4.96	-2.83/-2.36	-2.96/-5.34	-8.44/-8.92
φ1(140°)	-5.97/-6.79	-7.61/-7.36	-8.14/-11.15	-15.55/-14.7	-13/-8.89	-7.03/-6.38	-6.48/-5.4	-3.22/-3.32	-6.07/-10.06	-11.48/-8.47	-4.19/-2.41	-2.03/-2.35	-2.63/-2.88	-2.39/-5.13	-8.67/-5.41	-2.97/-1.27	-2.45/-0.63	-2.29/-4.77
φ1(150°)	-4.66/-4.73	-5.26/-6.61	-7.68/-7.9	-7.1/-6.05	-5.24/-4.6	-4.38/-4.59	-4.65/-3.75	-3.14/-3.84	-5.25/-6.13	-6.26/-4.9	-4.16/-3.05	-2.71/-3.04	-3.59/-3.91	-4.46/-6.08	-8.83/-10.44	-4.2/-2.97	-3.14/-4.09	
φ1(160°)	-10.35/-9.16	-7.95/-7.26	-7.19/-6.68	-6.62/-7.39	-7.78/-7.66	-6.66/-5.83	-5.31/-5.29	-6.01/-7.57	-9.54/-9.67	-8.16/-6.6	-5.66/-5.73	-6.45/-7.05	-6.9/-6.97	-6.78/-7.2	-8.5/-9.12	-9.85/-10.5	-10.66/-11.08	-10.62/-10.91
φ1(170°)	-8.53/-9.2	-9.99/-11.95	-14.64/-14.22	-12.8/-11.21	-9.18/-8.01	-7.23/-6.7	-6.82/-7.71	-9.17/-11.25	-13.78/-13.15	-10.33/-7.83	-5.66/-6.04	-6.99/-5.98	-6.45/-7.12	-7.64/-8.31	-9.18/-9.86	-10.1/-9.78	-9.5/-8.55	-9.05/-8.47
φ1(180°)	-8.44/-8.65	-10.86/-11.98	-12.28/-11.63	-11.36/-10.57	-10.57/-10.3	-10.53/-11.73	-13.18/-13.17	-12.31/-11.42	-9.99/-9.14	-8.29/-7.53	-7.04/-6.72	-6.4/-6.64	-6.57/-7.41	-8.12/-9.04	-10.45/-11.91	-11.22/-10.26	-9.88/-9.13	-7.98/-7.77
Freq[Hz]	2.45G[PoL	Theta[-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dBi)	θ(0°)/Φ(15°)	Φ(30°)/Φ(60°)	θ(45°)/Φ(90°)	θ(60°)/Φ(75°)	θ(90°)/Φ(90°)	θ(105°)/Φ(110°)	θ(120°)/Φ(130°)	θ(135°)/Φ(150°)	θ(150°)/Φ(170°)	θ(180°)/Φ(190°)	θ(210°)/Φ(210°)	θ(225°)/Φ(230°)	θ(240°)/Φ(250°)	θ(255°)/Φ(270°)	θ(285°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
φ1(0°)	-1.75/-1.2	-0.43/0.46	1.06/1.41	1.59/1.53	1.29/1.05	0.73/0.48	0.22/-0.08	-0.6/-1.37	-2.04/-2.2	-1.68/-1.02	-0.33/0.17	0.39/0.48	0.7/0.88	0.91/0.95	1/1.01	0.76/0.32	-0.29/-0.94	-1.5/-1.84
φ1(15°)	-1.32/-1.27	-0.95/-0.25	0.55/1.2	1.77/2.07	2.22/2.22	1.85/1.16	0.36/-0.48	-1.38/-2.22	-2.79/-2.66	-1.77/-0.66	0.12/0.54	0.8/0.84	0.77/0.75	1.01/1.27	1.54/1.69	1.54/1.17	0.67/0.03	-0.61/-1.13
φ1(20°)	-0.28/-0.68	-1.41/-1.75	-1.34/-0.34	0.78/1.8	2.49/2.62	2.68/2.04	1.13/0.13	-1.07/-2.25	-3.2/-3.28	-2.19/-0.6	0.5/1.14	1.51/1.98	2.58/2.92	3.03/3.01	2.82/2.63	2.41/1.99	1.48/0.89	0.31/-0.12
φ1(30°)	0.38/-0.03	-2.81/-1.93	-2.57/-1.64	0.06/1.54	2.51/2.96	2.99/2.37	1.46/0.49	-0.56/-1.48	-2.39/-3.08	-2.64/-0.56	0.95/1.73	2.19/2.81	3.42/3.65	3.5/3.2	3.01/3.08	3.07/3.35	3.06/2.44	1.57/0.79
φ1(40°)	1.26/0.81	0.14/-0.66	-1.4/-1.19	0.04/1.41	2.42/2.92	2.84/2.32	1.41/0.59	0.08/-0.27	-0.89/-1.7	-1.98/-0.44	1.37/2.39	3.22/4.04	4.51/4.27	3.56/2.72	2.28/2.79	3.68/4.33	4.48/4.12	3.23/2.07
φ1(50°)	1.8/1.17	0.87/0.01	-0.53/-0.69	-0.11/0.99	1.97/2.23	1.94/1.25	0.26/-0.36	-0.32/-0.11	-0.25/-0.49	-0.3/0.46	1.16/2.19	3.27/4.18	4.55/4.16	3.17/2.02	1.19/1.61	2.84/3.79	4.25/4.19	3.54/2.67
φ1(60°)	1.65/1.24	1.24/0.67	0.13/-0.34	-0.12/0.6	1.61/1.44	1.39/1.57	0.73/-0.13	0.17/0.6	0.95/0.86	1.01/0.6	2.13/2.91	4.04/4.22	3.31/2.44	1.83/2.04	3.31/2.64	2.68/3.27	3.53/3.44	3.56/2.47
φ1(70°)	1.02/0.18	0.04/-0.18	-0.6/-0.47	0.4/1.08	1.29/1.08	0.99/1.35	0.69/-0.22	0.14/-0.26	-0.47/-0.42	-0.32/-0.29	0.39/1.83	3.78/5.19	5.53/4.71	3.19/1.76	1.21/1.52	1.99/2.5	3.01/3.17	2.85/2.16
φ1(80°)	-0.37/-0.66	-0.53/-0.58	-0.9/-0.94	-0.37/-0.32	-1.15/-1.36	-0.74/0.85	0.51/-0.64	0.12/-0.05	-0.66/-0.43	-0.52/-0.77	-0.61/0.68	3.53/5.48	5.85/4.86	2.95/1.7	1.05/1.02	0.95/0.52	0.46/0.44	0.92/0.62
φ1(90°)	-2.54/-2.74	-2.73/-3.83	-3.31/-1.44	0.32/0.62	-0.88/-3.7	-2.36/0.19	-0.36/-2.24	-0.96/-1.13	-1.62/-0.46	-0.29/0.09	0.14/1.11	3.47/5.16	5.38/4.39	2.1/0.67	0.2/0.09	0.21/-0.33	0.1/-1.34	-1.33/-1.01
φ1(100°)	-5.27/-6.02	-4.48/-3.26	-1.91/-0.23	0.94/0.62	-1.26/-3.81	-2.5/-0.39	-1.62/-3.44	-0.15/-1.06	-1.62/0.34	0.07/-0.18	-0.67/-0.63	1.61/3.57	3.99/2.98	0.14/-2.08	-2.35/-2.49	-0.61/-0.93	-0.26/-0.37	-2.49/-2.9
φ1(110°)	-6.05/-8.09	-6.36/-3.85	-2.52/-1.25	0.05/0.29	-0.59/-2.63	-3.11/-2.39	-3.34/-2.03	0.2/-1.54	-0.86/0.51	-0.3/-0.86	-2.02/-3	-0.85/0.53	0.52/-0.86	-4.59/-7.31	-5.21/-4.17	-1.61/-1.86	-2.29/-0.91	-1.8/-3.79
φ1(120°)	-4.37/-4.5	-3.61/-4.36	-3.6/-2.57	-1.7/-1.37	-2.28/-3.72	-3.89/-4.26	-6.36/-3.07	-2.19/-2.4	-0.7/0.13	-0.21/-0.95	-2.43/-3.39	-3.27/-3.64	-3.58/-3.75	-6.72/-9.76	-8.65/-8.62	-6.81/-4.77	-5.47/-4.26	-2.98/-3.35
φ1(130°)	-4.41/-6.24	-5.46/-5.32	-5.32/-4.24	-3.38/-2.6	-2.17/-2.03	-2.49/-3.54	-3.11/-2.39	-0.33/-2.41	-0.65/.36	-0.05/-1.49	-3.9/-5.82	-8.48/-13.52	-13.47/-13.44	-11.77/-8.7	-6.01/-5.56	-5.29/-3.16	-2.72/-3.25	-2.84/-2.74
φ1(140°)	-2.97/-3.38	-5.25/-5.57	-5.51/-4.22	-2.46/-1.74	-1.95/-3.03	-2.89/-2.85	-3.11/-1.79	-2.21/-2.65	-3.55/-1.34	-1.63/-0.98	-1.41/0.44	-2.68/-2.82	-10.02/-13.97	-10.07/-12.57	-10.07/-12.52	-5.57/-11.07	-3.63/-11.52	-11.39/-9.98
φ1(150°)	-7.88/-7.89	-8.02/-6.63	-4.94/-3.32	-1.85/-1.13	-0.96/-1.56	-2.82/-3.83	-2.91/-2.25	-2.54/-3.67	-5.25/-6.39	-6.73/-6.03	-4.69/-3.82	-3.73/-3.78	-3.84/-4.98	-6.52/-5.89	-4.02/-3.48	-3.84/-4.28	-4.53/-5.28	-6.09/-6.68
φ1(160°)	-5.03/-7.93	-9.63/-8.99	-7.19/-5.55	-4.19/-3.17	-2.68/-2.77	-3.38/-3.96	-4.44/-5.35	-5.85/-6.73	-6.51/-7.57	-9.44/-10.44	-6.77/-6.9	-6.27/-6.71	-7.18/-8.35	-11.17/-12.84	-8.2/-8.95	-5.43/-4.43	-4.43/-4.93	
φ1(170°)	-10.21/-11.79	-12.52/-11.43	-10.3/-9.42	-8.89/-8.83	-9.02/-9.46	-9.44/-10.06	-10.44/-9.95	-9.16/-8.64	-8.36/-8.74	-10.13/-12.87	-14.28/-14.42	-14.72/-15.74	-15.56/-12.86	-10.99/-9.94	-9.19/-8.64	-6.99/-7.48	-6.96/-7.01	-7.67/-9.24
φ1(180°)	-11.89/-11.13	-9.93/-9.4	-9.63/-10.36	-11.12/-10.67	-10.5/-9.88	-8.68/-8.18	-7.6/-6.99	-6.74/-6.84	-7.16/-7.68	-8.5/-9.72	-11.52/-12.06	-12/-11.89	-11.12/-9.98	-9.54/-8.57	-7.98/-7.58	-7.69/-8.03	-8.64/-9.28	-10.49/-11.72
Freq[Hz]	5.2G[PoL	Phi[-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dBi)	θ(0°)/Φ(15°)	Φ(30°)/Φ(60°)	θ(45°)/Φ(90°)	θ(60°)/Φ(75°)	θ(90°)/Φ(90°)	θ(105°)/Φ(110°)	θ(120°)/Φ(130°)	θ(135°)/Φ(150°)	θ(150°)/Φ(170°)	θ(180°)/Φ(190°)	θ(210°)/Φ(210°)	θ(225°)/Φ(230°)	θ(240°)/Φ(250°)	θ(255°)/Φ(270°)	θ(285°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
φ1(0°)	-2.4/-2.07	-2.01/-2.28	-2.9/-3.9	-4.69/-4.64	-6.43/-6.77	-6.16/-5.3	-4.61/-4.02	-3.4/-2.82	-2.32/-2.04	-1.91/-1.97	-2.13/-2.37	-2.82/-3.63	-4.55/-5.87	-6.7/-6.66	-6.14/-5.19	-4.43/-3.86	-3.35/-3.08	-2.65/-2.39
φ1(15°)	-1.85/-1.37	-1.44/-1.59	-2.17/-2.16	-2.47/-3.2	-3.85/-4.1	-4.58/-4.82	-4.43/-4.36	-4.63/-4.52	-5/-4.88	-4.9/-4.65	-4.44/-4.52	-4.77/-5.48	-6.11/-6.45	-4.52/-4.12	-3.79/-3.47	-3.29/-3.42	-3.71/-3.25	
φ1(20°)	-5.37/-5.43	-5.11/-4.68	-6.15/-3.6	-3.68/-3.93	-3.47/-2.77	-2.6/-2.95	-3.76/-4.84	-5.26/-5.03	-5.06/-6.05	-5.82/-4.12	-3.62/-3.84	-4.77/-5.26	-5.28/-5.24	-4.32/-3.94	-5.51/-5.82	-5.67/-4.87	-4.8/-4.82	
φ1(30°)	-8.9/-11.59	-9.17/-6.82	-6.37/-6.67	-7.89/-8.9	-7.13/-5.5	-3.4/-3.71	-4.58/-5.26	-6.12/-6.34	-5.89/-6.27	-5.76/-4.67	-3.75/-4.03	-5.37/-6.33	-6.99/-7.22	-7.54/-7.44	-6.55/-6.11	-4.68/-4.31	-3.83/-3.72	-4.29/-4.18
φ1(40°)	-10.99/-15.6	-15.65/-10.92	-6.81/-6.51	-10.47/-12.49	-7.68/-5.57	-5.16/-5.48	-6.91/-6.8	-6.56/-7.98	-7.94/-9.13	-8.51/-5.78	-3.67/-3.39	-6.43/-9.22	-7.42/-7.31	-8.6/-5.56	-6.85/-5.27	-4.82/-3.99	-3.86/-4.08	-4.16/-5.63
φ1(50°)	-12.1/-16.09	-13.01/-8.13	-4.83/-5.38	-9.67/-10.4	-7.8/-6.2	-6.18/-8.22	-11.13/-10.56	-11.25/-9.95	-9.74/-8.01	-4.17/-4.44	-5.17/-10.75	-8.98/-7.86	-5.68/-4.46	-5.48/-8.51	-7.51/-6.35	-6.43/-7.64	-8.25/-7.28	
φ1(60°)	-11.76/-14.49	-14.98/-8.25	-4.75/-4.59	-7.56/-7.32	-5.7/-5.77	-7.45/-10.86	-15.33/-13.27	-15.17/-12.66	-10.06/-9.7	-5.16/-7.63	-6.06/-5.43	-10.84/-10.61	-6.46/-8.15	-6.4/-5.15	-6.38/-12.19	-12.29/-8.51	-7.33/-9.3	-10.77/-10.08
φ1(70°)	-12.37/-14.16	-15.89/-8.7	-6.02/-4.23	-6.73/-6.16	-5.09/-5.95	-8.8/-12.26	-14.87/-15.32	-14.73/-13.48	-10.36/-10.13	-6.87/-8.08	-6.15/-6.93	-14.74/-11.63	-10.76/-6.91	-6.79/-5.64	-6.88/-14.7	-11.52/-7.07	-8.18/-9.09	-9.29/-9.74
φ1(80°)	-13.89/-13.35	-12.55/-7.64	-5.39/-4.07	-7.33/-6.48	-5.47/-6.89	-11.17/-12.71	-14.52/-15.22	-12.89/-15.76	-11.79/-10.93	-10.73/-8.34	-11.31/-11.67	-10.54/-11.46	-11.74/-8.71	-7.69/-5.88	-7.7/-13.41	-9.26/-6.19	-8.46/-9.99	-9.55/-10.28
φ1(90°)	-14.58/-11.3	-8.86/-7.26	-4.76/-4.65	-7.61/-7.64	-4.87/-7.8	-13.57/-14.63	-13.41/-15.98	-13.47/-15.09	-13.73/-12.86	-11.09/-9.37	-14.26/-14.77	-13.62/-13.02	-13.52/-8.66	-10.36/-7.71	-10.39/-13.4	-11.34/-9.41	-11.05/-10.64	-12.58/-12.73
φ1(100°)	-13.26/-10.74	-10.99/-7.18	-5.28/-5.78	-6.71/-9.8	-6.77/-8.88	-13.53/-16.4	-16.22/-15.9	-12.71/-13.74	-13.66/-14.06	-12.31/-13.15	-15.21/-15	-12.53/-13.08	-15.36/-13.62	-13.09/-11.73	-10.86/-12.31	-15.37/-9.35	-14.06/-12.84	-12.47/-15.6
φ1(110°)	-10.52/-10.51	-13.83/-8.66	-6.74/-7.23	-6.51/-10.61	-8.84/-9.69	-13.28/-14.3	-15.59/-15.92	-12.55/-12.2	-13.15/-13.61	-11.29/-14.2	-15.43/-15.44	-13.71/-14.68	-15.21/-13.47	-13.82/-11.3	-9.69/-13.05	-11.51/-11.74	-14.71/-15.84	
φ1(120°)	-12.14/-12.3	-14.94/-8.23	-7.73/-6.7	-5/-12.74	-10.34/-10.18	-11.15/-12.24	-15.39/-15.54	-13.37/-14.36	-12.09/-12.33	-11.31/-12.25	-12.92/-15.29	-15.84/-13.1	-9.6/-12.34	-12.47/-10.18	-7.79/-12.19	-13.98/-13.6	-11.32/-14.39	-14.23/-14.68
φ1(130°)	-11.12/-11.46	-15.74/-10.51	-7.23/-7.12	-8.78/-14.04	-11.71/-10.56	-10.13/-11.36	-14.51/-14.32	-12.53/-15.38	-14.81/-11.68	-11.83/-13.35	-13.3/-12.27	-15.09/-15.64	-7.02/-11.06	-14.45/-10.4	-8.44/-8.48	-12.62/-15.76	-13.14/-15.17	-12.97/-13.29
φ1(140°)	-11.34/-12.91	-13.98/-10.7	-8.72/-7.69	-9.81/-14.97	-12.53/-10.47	-11.63/-12.39	-12.26/-11.09	-14.25/-15.61	-14.95/-11.78	-11.84/-14.6	-12.34/-9.44	-15.69/-15.36	-12.12/-14.47	-15.79/-11.64	-11.92/-10.28	-12.1/-14.39	-10.69/-10.39	
φ1(150°)	-11.97/-14.77	-14.36/-11.34	-8.77/-9.17	-10.41/-14.57	-14.09/-13.61	-14.88/-14.82	-13.99/-13.04	-14.14/-13.47	-11.43/-10.8	-14.59/-14.34	-10.57/-11.12	-13.97/-14.88	-14.75/-15.44	-15.28/-15.36	-15.66/-14.2	-14.59/-14.35	-12.76/-16.19	-12.65/-11.13
φ1(160°)	-12.81/-14.94	-15.1/-14.77	-16.15/-15.24	-15.49/-14.43	-13.25/-14.52	-15.67/-14.28	-12.76/-12.88	-14.24/-14.81	-13.17/-13.82	-14.24/-14.81	-15.81/-14.83	-13.57/-14.04	-14.49/-12.89	-12.76/-15.02	-14.9/-13.38	-14.9/-14.93	-15.07/-15.65	-14.96/-12.95
φ1(170°)	-14.68/-16.09	-15.82/-15.66	-15.98/-16.44	-15/-15.22	-15.09/-15.89	-15.14/-15.57	-14.82/-14.9	-14.63/-13.88	-14.21/-14.37	-14.63/-13.88	-12.39/-12.26	-9.8/-9.8	-11.18/-13.83	-15.56/-16.93	-13.64/-13.31	-15.07/-15.45	-15.41/-14.41	-14.1/-14.7
φ1(180°)	-13.42/-13.71	-13.85/-13.55	-13.47/-14.29	-14.44/-14.93	-15.37/-14.79	-15.97/-15	-16.19/-14.81	-16.56/-15.71	-14.88/-14.65	-13.78/-12.36	-12.07/-11.96	-13.2/-13.47	-14.03/-15.4	-15.14/-14.79	-15.6/-15.55	-15.28/-15.43	-15.15/-14.92	
Freq[Hz]	5.2G[PoL	Theta[-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dBi)	θ(0°)/Φ(15°)	Φ(30°)/Φ(60°)	θ(45°)/Φ(90°)	θ(60°)/Φ(75°)	θ(90°)/Φ(90°)	θ(105°)/Φ(110°)	θ(120°)/Φ(130°)	θ(135°)/Φ(150°)	θ(150°)/Φ(170°)	θ(180°)/Φ(190°)	θ(210°)/Φ(210°)	θ(225°)/Φ(230°)	θ(240°)/Φ(250°)	θ(255°)/Φ(270°)	θ(285°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
φ1(0°)	-3.22/-4.28	-5.72/-6.88	-7.99/-9.82	-10.4/-10.04	-8.59/-8.1	-6.13/-6.48	-3.42/-2.61	-2.09/-1.95	-2.18/-2.78	-3.39/-4.34	-5.64/-6.99	-8.65/-9.77	-10.36/-9.69	-8.33/-7.51	-5.52/-3.93	-2.82/-2.25	-2.17/-2.18	-2.46/-2.6
φ1(15°)	-3.53/-4.03	-4.84/-5.84	-7.11/-8.46	-10.97/-14	-12.02/-9.24	-5.91/-3.67	-2.23/-1.53	-1.52/-1.96	-2.95/-3.8	-4.75/-5.39	-5.52/-6.11	-7.24/-9.46	-12.44/-12.16	-11.17/-10.39	-9.23/-7.68	-6.14/-4.78	-3.63/-2.85	-2.71/-2.97
φ1(20°)	-3.37/-4.19	-5.12/-6.01	-6.42/-6.83	-8.23/-8.94	-8.25/-7.27	-7.13/-6.88	-6.23/-5.55	-4.97/-4.31	-3.65/-2.68	-2.29/-2.52	-3.02/-3.76	-5.49/-7.99	-10.18/-11.17	-11.34/-10.84	-11.02/-11.93	-10.89/-7.61	-5.68/-4.77	-3.84/-3.3
φ1(30°)	-5.19/-4.93	-6.01/-9.09	-12.02/-14.27	-15.68/-10.98	-6.75/-4.68	-3.89/-3.04	-1.67/-0.64	-0.7/-0.9	0.18/1.64	1.61/0.68	-0.79/-0.91	0.01/-0.01	-0.77/-1.35	-2.31/-4.43	-6.42/-8.38	-8.8/-9.33	-10.14/-9.63	-7.93/-5.66
φ1(40°)	-1.44/-3.55	-8.12/-8.89	-6.49/-5.41	-5.81/-9.2	-6.66/-3.69	-1.6/-0.43	0.65/1.61	2.11/2.05	2.84/3.69	4.04/3.29	2.8/2.07	2.85/2.73	2.29/0.97	-0.59/-2.12	-2.27/-2.21	-3.49/-4.64	-5.31/-4.85	-3.04/-1.82
φ1(50°)	-2.06/-4.99	-8.81/-7.84	-5.84/-4.76	-4.11/-4.33	-4.1/-2.47	-1.59/-1.72	-0.51/1.99	3.42/2.18	2.83/3.43	3.21/1.97	2.31/2.07	3.1/3.5	2.72/1.16	0.22/-0.24	0.45/1.37	0.73/-2.27	-5.58/-4.36	-2.56/-2.3
φ1(60°)	-4.97/-8.1	-9.11/-8.44	-4.46/-4.12	-4.11/-4.22	-2.97/-1.12	-1.61/-0.43	0.65/1.61	3.27/2.36	1.63/2.82	2.12/0.97	1.87/2.5	1.93/1.75	0.4/-0.11	0.82/1.27	0.17/-4.06	-7.64/-4.42	-3.22/-4.15	
φ1(70°)	-5.63/-8.09	-9.5/-5.11	-4.63/-6.79	-5.38/-6.96	-4.25/-2.78	-3.59/-5.28	-2.72/-0.64	1.74/1.23	0.09/1.13	0.01/-1.6	-0.05/0.46	0.01/-0.28	-0.35/0.3	1.92/2.37	2.53/1.04	-1.68/-7.08	-7.9/-4.16	-3.2/0.6
φ1(80°)	-5.02/-7.48	-7.99/-3.91	-3.57/-6.17	-5.95/-6.34	-6.53/-5.45	-7.63/-9.58	-4.23/-2.16	-0.87/-0.9	-1.88/-1.42	-2.99/-3.14	-2.51/-3.09	-2.1/-1.6	-0.85/-2.09	-6.19/1.48	1.87/0.22	-3.6/-11.88	-7.22/-4.86	-3.49/-4.55
φ1(90°)	-5.01/-8.2	-8.53/-4.91	-3.35/-6.05	-6.45/-6.25	-7.86/-7.81	-9.69/-8.95	-6.11/-3.06	-2.47/-3.63	-3.63/-4.05	-5.35/-5.21	-5.1/-5.46	-5.04/-1.88	-1.13/-1.13	-0.86/-5.08	0.29/-2.12	-4.27/-8.79	-6.77/-5.71	-5.5/-7.21
φ1(100°)	-5.1/-10.11	-8.86/-6.17	-4.79/-6.98	-7.1/-6.02	-8.31/-8.27	-9.37/-7.04	-7.55/-4.37	-4.49/-7.05	-5.01/-5.52	-6.5/-5.81	-5.3/-6.26	-7.09/-4.47	-2.92/-0.43	-0.81/0.06	-1.78/-3.83	-6.63/-8.82	-8.18/-6.29	-6.93/-6.21
φ1(110°)	-4.83/-9.56	-9.62/-8.78	-5.31/-7.52	-8.72/-7.48	-8.7/-8.69	-8.01/-6.11	-7.97/-10.04	-6.87/-5.97	-7.78/-6.59	-5.08/-8.44	-8.44/-9.84	-5.36/-2.69	-2.93/-2.38	-4.25/-6.41	-12.94/-10.55	-9.32/-9.12	-10.74/-5.17	
φ1(120°)	-7.49/-9.22	-11.56/-11.31	-8.44/-10.45	-10.82/-9.91	-9.66/-9.08	-9.24/-11.46	-7.12/-7.1	-9.54/-9.61	-5.73/-6.35	-7.65/-9.92	-5.69/-9.13	-7.15/-10.9	-8.22/-4.75	-3.88/-5.22	-4.54/-9.68	-12.72/-12.37	-10.15/-11.66	-6.91/-9.74
φ1(130°)	-9.6/-13.19	-14.23/-12.49	-12.5/-13.87	-13.93/-12.3	-11.59/-11.58	-9.87/-10.11	-10.28/-11.76	-11.04/-10.2	-11.58/-11.69	-10.44/-8.36	-5.07/-12.12	-8.74/-9.29	-8.41/-5.14	-5.59/-10.61	-7.59/-10.61	-8.14/-9.45	-6.4/-8.76	
φ1(140°)	-11.59/-14.61	-14

θ=0(0°)	-13.75/-14.77	-11.67/-9.08	-10.81/-11.88	-9.49/-12.52	-12.45/-11.54	-13.23/-14.34	-13.74/-13.37	-13.32/-15.78	-14.3/-10.43	-10.16/-13.02	-14.2/-15.27	-12.72/-9.44	-12.04/-15.18	-15.09/-15.48	-13.12/-15.77	-15.6/-14.31	-15.56/-12.49	-14.82/-13.27
θ=15(0°)	-15.76/-15.14	-11.39/-10.09	-11.52/-13.14	-11.71/-12.2	-12.65/-12.01	-14.97/-15.13	-12.67/-12.15	-13.69/-12.6	-9.61/-8.16	-12.99/-14.51	-12.47/-15.65	-11.91/-12.57	-16.06/-14.14	-14.11/-16.13	-16.03/-14.8	-15.27/-16.33	-15.84/-15.07	-14.47/-15.33
θ=30(0°)	-14.58/-15.54	-14.27/-13.95	-15.37/-13.14	-13.29/-12.9	-13.71/-15.54	-15.92/-15.3	-12.4/-10.34	-10.57/-12.26	-12.57/-14.08	-14.88/-12.59	-12.66/-12.77	-14.02/-15.15	-15.04/-15.56	-13.92/-13.8	-13.99/-13.65	-14.16/-14.98	-15.35/-15.02	-15.09/-14.18
θ=45(0°)	-14.75/-15.14	-15.64/-15.71	-16.19/-14.95	-15.23/-15.62	-15.86/-14.83	-14.99/-15.52	-13.85/-13.45	-13.93/-14.37	-15.09/-15.46	-15.54/-14.07	-12.4/-12.27	-14.33/-15.25	-15.02/-15.3	-15.93/-15.4	-15.44/-15.99	-16.08/-15.19	-13.92/-13.71	-14.54/-15.09
θ=60(0°)	-16.29/-15.36	-15.06/-14.73	-14.98/-15.45	-15.57/-15.25	-15.39/-14.96	-15.39/-15.3	-16.19/-15.22	-15.04/-15.39	-16.03/-15.36	-14.44/-13.96	-14.26/-14.27	-14.88/-15	-15.57/-15.53	-15.51/-15.53	-15.24/-15.66	-15.48/-15.43	-15.39/-15.62	-15.24/-15.44
Freq[Hz]	5.785GPol	Theta/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dBi)	Φ(0°)/Φ(10°)	Φ(20°)/Φ(30°)	Φ(40°)/Φ(50°)	Φ(60°)/Φ(70°)	Φ(80°)/Φ(90°)	Φ(100°)/Φ(110°)	Φ(120°)/Φ(130°)	Φ(140°)/Φ(150°)	Φ(160°)/Φ(170°)	Φ(180°)/Φ(190°)	Φ(200°)/Φ(210°)	Φ(220°)/Φ(230°)	Φ(240°)/Φ(250°)	Φ(260°)/Φ(270°)	Φ(280°)/Φ(290°)	Φ(300°)/Φ(310°)	Φ(320°)/Φ(330°)	Φ(340°)/Φ(350°)
θ=0(0°)	-1.21/-1.78	-2.88/-4.11	-5.84/-8.23	-10.6/-10.03	-9.39/-6.99	-5.03/-3.46	-2.37/-1.47	-0.96/-0.79	-0.89/-1.32	-1.79/-2.31	-3.16/-4.41	-6.04/-8.36	-10.13/-9.52	-8.78/-6.61	-4.91/-3.42	-2.25/-1.46	-1.2/-0.9	-0.53/-0.73
θ=15(0°)	-3.11/-3.13	-2.87/-3.16	-3.73/-4.48	-5.69/-7.13	-8.24/-8.36	-7.59/-6.09	-4.25/-2.86	-2/-1.19	-0.93/-1.23	-2.13/-3.54	-5.66/-7.18	-7.19/-6.86	-6.61/-6.23	-5.93/-5.61	-5.87/-5.19	-4.45/-3.93	-3.6/-3.22	-3.13/-2.99
θ=20(0°)	-3.75/-5.32	-6.12/-5.58	-4.98/-5.32	-6.5/-7.43	-7.19/-6.3	-5.58/-5.57	-4.68/-3.53	-2.94/-2.86	-3.34/-3.61	-3.21/-2.79	-2.99/-3.74	-4.15/-4.31	-5.01/-6.24	-7.43/-7.97	-7.69/-7.1	-6.05/-5.5	-5.12/-4.7	-4.27/-3.52
θ=30(0°)	-6.38/-5.94	-5.78/-5.84	-5.23/-5.6	-7.66/-9.75	-9.75/-8.83	-7.78/-5.21	-2.87/-0.88	-0.43/-0.98	-1.4/0.34	1.2/1.14	0.4/-0.83	-1.74/-2.32	-1.98/-0.87	-0.59/-1.16	-2.85/-5.86	-10.41/-11.08	-10.77/-9.23	-7.26/-6.01
θ=40(0°)	-2.87/-3.58	-4.41/-3.91	-3.07/-2.43	-2.76/-4.19	-8.09/-7.99	-4.64/-2.01	-0.87/0.8	0.86/-0.79	-0.1/2.01	3.14/2.99	1.91/0.77	0.63/1.4	2.57/2.81	1.89/0.42	-1.23/-3.17	-6.58/-8.96	-7.29/-4.98	-4.97/-3.88
θ=50(0°)	-2.87/-3.09	-3.77/-4.93	-4.96/-2.45	-1.82/-3.08	-6/-5.96	-3.17/-1.47	-0.1/1.81	3.06/0.91	1.68/3.01	3.07/2.91	2.42/2.3	1.84/2.76	3.65/3.02	1.95/0.93	0.9/-0.37	-1.89/-3.6	-2.79/-0.98	-0.98/-1.8
θ=60(0°)	-2.08/-3.04	-3.73/-4.59	-5.7/-3.66	-2.16/-3.76	-6.26/-3.5	-1.78/-0.6	0.86/2.58	4.07/3.96	3.36/2.91	3.04/2.74	3/2.17	1.22/1.05	1.87/1.52	0.23/0.54	0.6/-0.43	-1.9/-2.58	-0.81/0.39	-0.03/-0.84
θ=70(0°)	-1.6/-2.83	-3.66/-4.99	-5.07/-2.53	-2.12/-3.42	-4.53/-2.88	-2.48/-3.34	-1.71/0.77	2.74/0.62	-1/1.13	1.48/0.92	0.05/0.02	-0.3/-0.16	0.55/0.75	0.21/1.26	1.25/-0.08	-2.8/-3.34	-1.36/-0.08	-1.09/-1.23
θ=80(0°)	-2.04/-3.53	-4.43/-4.55	-5.6/-3.27	-2.55/-3.1	-4.17/-3.23	-3.88/-5.18	-4.18/-1.19	0.71/-1.46	-2.99/-2.18	-0.37/-0.42	-1.69/-2.92	-2.2/-1.51	-0.19/-1.22	-0.77/1.78	1.39/0.2	-2.94/-4.68	-1.5/-0.88	-1.73/-2.04
θ=90(0°)	-2.15/-4.04	-4.78/-4.71	-6.87/-4.05	-3.27/-2.81	-3.66/-3.42	-5.73/-7.96	-7.55/-3.73	-0.88/-4.1	-4.76/-4.34	-2.47/-2.79	-4.19/-5.01	-3.38/-1.89	-0.38/-3.35	-1.73/0.61	0.99/-1	-3.1/-5.27	-3.2/-2.93	-4.37/-3.06
θ=100(0°)	-3.52/-5.91	-6.73/-5.52	-7.79/-5.33	-3.66/-3.76	-5.3/-4.68	-6.6/-8.69	-9.48/-5.71	-2.8/-6.48	-5.95/-4.8	-4.29/-7.42	-5.9/-8.99	-6.07/-5.01	-2.76/-2.01	-3.46/-3.37	-3.77/-3.88	-3.41/-6.06	-5.16/-4.9	-7.35/-5.81
θ=110(0°)	-4.44/-5.09	-7.64/-8.75	-9.41/-6.48	-4.1/-3.19	-6.03/-7.71	-7.97/-6.46	-7.06/-5.33	-4.97/-10.21	-5.52/-6.09	-8.26/-10.65	-7.32/-9.64	-10.54/-11.84	-10.53/-3.75	-4.64/-5.62	-10.84/-7.07	-7.47/-8.67	-5.64/-6.8	-10.25/-10.2
θ=120(0°)	-5.98/-5.71	-8.58/-13.41	-8.58/-13.41	-6.33/-5.25	-7.36/-9.47	-6.68/-7.34	-4.87/-5.15	-7.12/-9.44	-5.8/-6.45	-9.84/-11.23	-7.4/-10.99	-10.08/-9.85	-11.49/-7.67	-3.22/-4.77	-9.09/-14.73	-10.55/-7.93	-10.18/-11.56	-8.39/-7.92
θ=130(0°)	-7.9/-7.47	-9.62/-13.36	-11.4/-9.51	-10.55/-10.46	-9.94/-8.77	-8.32/-6.81	-7.95/-9.69	-12.14/-10.43	-8.42/-11.02	-11.5/-10.36	-6.01/-11.81	-10.63/-10.06	-9.05/-9.61	-5.63/-7.28	-5/-10.59	-8.66/-14.66	-7.87/-7.69	-7.83/-7.43
θ=140(0°)	-9.29/-11.74	-10.24/-13.34	-14.07/-12.52	-12.34/-12.98	-14.81/-14.58	-12.21/-11.66	-11.33/-11.83	-14.39/-10.88	-10.6/-11.81	-12.44/-14.01	-11.39/-14.08	-15.4/-15.49	-11.68/-10.06	-7.01/-9.39	-12.68/-13.06	-11.63/-12.18	-11.56/-11.29	-10.73/-12.84
θ=150(0°)	-12.57/-12.16	-13.06/-12.81	-11.82/-11.78	-12.23/-13.69	-14.44/-14.33	-15.7/-15.42	-15.14/-15.81	-13.95/-11.56	-12.14/-15.61	-10.54/-15.43	-14.68/-14.68	-13.52/-15.17	-13.68/-10.89	-8.67/-9.39	-11.88/-12.01	-10.25/-10.66	-11.88/-13.1	-11.88/-11.54
θ=160(0°)	-13.33/-14.63	-14.89/-15.49	-15.51/-16.06	-15.39/-15.85	-15.3/-13.38	-12.64/-15.06	-14.86/-14.16	-14.28/-15.21	-14.03/-12.86	-13.41/-14.74	-13.69/-14.03	-15.95/-14.41	-12.78/-12.27	-13.03/-13.31	-14.51/-14.89	-14.64/-14.79	-14.76/-14.66	-14.47/-11.74
θ=170(0°)	-14.99/-15.46	-15.38/-15.53	-15.06/-14.92	-15.47/-14.67	-13.98/-13.95	-14.13/-15.67	-15.18/-15.76	-15.27/-14.48	-14.4/-14.59	-14.64/-15.22	-14.86/-15.04	-14.51/-13.73	-13.61/-13.16	-14.47/-14.7	-14.9/-14.4	-15.33/-14.8	-15.42/-15.69	-15.18/-14.98
θ=180(0°)	-14.53/-15.32	-15.78/-15.14	-15.44/-15.46	-15.99/-14.69	-15.66/-15.18	-14.82/-15.17	-14.32/-14.76	-14.99/-14.95	-15.59/-15.4	-14.98/-14.88	-15.1/-14.41	-13.95/-13.45	-13.89/-14	-14.57/-14.74	-15.5/-15.49	-15.79/-15.24	-15.58/-15.33	-15.83/-15.42

Gain Result

Freq(Hz)	2.4GHzPol.	Pol/Ant. 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
Φ(0°)	3.13297	2.5220.04	1.4548	-0.5461.75	-3.1/-3.79	-3.5/-2.29	-0.84/0.31	1.33/2	2.43/2.76	2.92/2.91	2.63/2.66	1.24/0.22	-1.31/-3.18	-4.86/-5.24	-4.01/-2.24	-0.74/0.51	1.48/2.26	2.77/3.06
Φ(10°)	3.71/3.45	3.04/2.7	2.16/1.43	0.47/-0.67	-2.02/-3.3	-3.95/-3.6	-2.54/-1.26	-0.16/0.72	1.41/1.83	2.06/1.96	1.51/0.8	-0.14/-1.53	-3.56/-4.17	-6.21/-7.54	-4.97/-2.47	-0.58/1.01	2.14/2.91	3.43/3.65
Φ(20°)	3.76/3.36	2.98/2.62	2.19/1.49	0.66/-0.47	-1.93/-3.54	-5.97/-7.12	-6.13/-4.16	-2.4/-1.04	-0.02/0.58	0.92/0.91	0.51/-0.16	-1.11/-2.5	-4.74/-7.46	-10.56/-11.71	-7.94/-4.37	-1.41/0.75	2.13/3.07	3.62/3.86
Φ(30°)	3.09/2.63	2.27/1.89	1.44/0.74	-0.13/-1.35	-2.94/-5.58	-9.99/-10.51	-13/-8.31	-5.55/-3.76	-2.55/-1.68	-1.09/-0.81	-3.06/-5.05	-7.83/-11.73	-17.75/-17.16	-11.03/-6.46	-3.03/-0.48	1.31/2.43	3.08/3.33	
Φ(40°)	1.86/1.43	1.06/0.56	0.02/-0.65	-1.47/-2.86	-4.8/-7.64	-12.16/-18.49	-18.49/-13.67	-10.06/-7.52	-6.84/-4.46	-3.12/-2.32	-2.22/-2.87	-4.08/-6.03	-9.68/-13.79	-13.96/-13.95	-15.22/-15.6	-9/-3.63	-0.57/1.01	1.82/1.2
Φ(50°)	1.58/0.98	0.1/-1.14	-2.56/-4.08	-5.34/-7.05	-9.69/-13.12	-18.62/-19	-15.95/-10.12	-8.68/-4.49	-4.79/-1.63	-0.81/0.31	-0.47/-0.85	-1.68/-3.53	-6.55/-10.39	-12.87/-13.47	-16.12/-19.28	-10/-4.17	-0.79/1.01	1.67/1.76
Φ(60°)	0.11/0.3	0.03/-0.96	-2.59/-4.83	-7.09/-9.57	-11.88/-14.16	-17.18/-17.46	-12.29/-7.75	-5.17/-3.47	-2.13/-1.42	-1.22/-1.78	-2.73/-3.75	-4.82/-7	-10.59/-14.52	-12.87/-10.55	-10.69/-15.18	-18.52/-10.58	-5.37/-2.25	-0.81/-0.29
Φ(70°)	-5.42/-5.48	-5.61/-6.34	-7.43/-8.42	-9.85/-10.85	-11.56/-13.32	-18.33/-17.87	-12.05/-8.68	-7.63/-7.16	-6.17/-5.47	-5.29/-4.96	-4.45/-4.13	-4.36/-5.89	-8.65/-12.47	-13.32/-11.09	-10.48/-11.52	-11.57/-8.06	-5.86/-5.32	-4.99/-4.94
Φ(80°)	-5.96/-6.09	-6.43/-8.32	-11.06/-12.58	-13.15/-13.11	-13.6/-16.27	-18.91/-17.41	-11.99/-10.36	-9.77/-8.63	-7.07/-6.26	-5.16/-4.23	-4.83/-5.94	-6.49/-7.77	-10.46/-12.79	-10/-8.56	-10.12/-14.31	-13.63/-8.55	-6.23/-5.58	-6.89/-6.54
Φ(90°)	-8.9/-9.19	-9.66/-11.31	-15.25/-17.47	-17.74/-19	-15.89/-14.97	-17.41/-18.71	-14.73/-12.11	-9.88/-7.8	-6.38/-5.59	-4.34/-4.49	-6.33/-6.42	-5.62/-6.35	-8.65/-11.53	-11.3/-8.83	-9.53/-14.71	-10.42/-8.52	-6.99/-6.42	-7.28/-9.46
Φ(100°)	-16.95/-15.83	-14.85/-13.4	-13.96/-15.04	-17.13/-15.18	-10.94/-8.96	-15.42/-17.47	-17.51/-13.68	-10.9/-9.55	-9.89/-9.09	-7.82/-8.63	-8.07/-8.71	-8.62/-10.32	-10/-18.47	-14.27/-9.13	-8.08/-8.59	-9.52/-11.3	-8.53/-11.3	-14.6/-17.83
Φ(110°)	-16.39/-17.77	-18.22/-19.21	-19.19/-19.1	-19.23/-16.55	-12.86/-10.91	-13.49/-18.06	-13.84/-12.16	-12.12/-13.25	-13.14/-10.71	-10.03/-10	-10.49/-11.7	-12.77/-12.81	-11.29/-10.33	-6.87/-5.17	-6.49/-8.58	-8.89/-8.37	-7.39/-8.9	-12.34/-14.8
Φ(120°)	-14.51/-13.09	-13.68/-14.86	-16.27/-18.37	-17.89/-18.3	-13.62/-12.46	-13.95/-16.49	-18.63/-18.25	-13.46/-10.84	-9.18/-8.89	-8.94/-11.88	-14.82/-18.67	-18.18/-16.42	-16.65/-14.42	-10.16/-9.77	-12.97/-10.75	-6.89/-6.37	-6.36/-9.54	-17.01/-17.99
Φ(130°)	-10.22/-10.64	-11.32/-12.69	-14.27/-15.51	-15.32/-13.8	-12.31/-11.86	-11.84/-12.74	-15.45/-13.88	-10.44/-11.04	-14.33/-17.38	-18.91/-12.57	-9.32/-7.5	-6.67/-6.55	-6.57/-6.03	-6.4/-6.39	-10.68/-12.25	-4.87/-4.22	-3.71/-5.09	-7.62/-9.66
Φ(140°)	-4.65/-5.97	-7.04/-8.68	-11.45/-14.62	-18.65/-17.83	-19.3/-14.07	-12.1/-11.07	-9.39/-7.19	-6.67/-8.45	-12.88/-16.27	-11.66/-7.66	-5.27/-4.09	-3.65/-4.07	-5.12/-6.33	-7.15/-9.78	-18.38/-12.7	-6.04/-2.65	-1.01/-0.88	-1.81/-3.04
Φ(150°)	-5.51/-5.99	-6.14/-6.71	-7.26/-7.46	-7.67/-7.89	-7.63/-7.56	-6.94/-6.21	-6.58/-5.47	-6.4/-7.91	-8.37/-6.78	-4.86/-3.29	-2.5/-2.16	-2.59/-3.52	-6.06/-8.42	-10.93/-14.76	-19.16/-16.97	-10.4/-4.51	-4.29/-3.46	-4.04/-4.9
Φ(160°)	-18.74/-18.54	-15.11/-12.17	-10.25/-8.49	-7.52/-6.83	-6.71/-6.9	-7.04/-7.21	-7.82/-9.11	-11.04/-12.84	-12.19/-9.33	-7.19/-5.8	-9/-5.04	-5.99/-7.78	-9.19/-10.75	-12.01/-13.43	-16.83/-17.26	-18.83/-17.26	-13.07/-16.17	-13.07/-16.17
Φ(170°)	-10.03/-11.85	-13.86/-16.47	-17.26/-15.94	-13.82/-13.15	-12.89/-13.22	-13.29/-12.56	-12.32/-12.47	-13.48/-14.54	-15.42/-14	-11.78/-9.61	-8.03/-7.3	-7.14/-7.07	-7.19/-7.81	-8.6/-9.99	-11.52/-14.42	-15.14/-13.38	-11.35/-10.06	-9.23/-9.25
Φ(180°)	-8.29/-9.05	-10.85/-12.49	-14.55/-17.13	-19.51/-18.53	-16.24/-14.47	-17.15/-17.28	-16.24/-14.47	-13.38/-12.15	-11.19/-10.02	-8.69/-7.5	-6.86/-6.72	-6.96/-6.92	-7.61/-8.66	-9.78/-11.04	-12.38/-12.9	-10.75/-10.38	-8.1/-8.16	-7.51/-7.64
Freq(Hz)	2.45GPol.	Theta/Ant. 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
Φ(0°)	-4.4/-3.68	-2.46/-1.06	0.03/0.98	1.75/2.2	2.37/2.48	2.3/1.88	1.23/0.31	-0.86/-2.4	-3.96/-4.97	-4.71/-3.8	-2.48/-1.18	-0.11/0.8	1.51/2.06	2.34/2.39	2.28/2.06	1.58/0.79	-0.3/-1.64	-3.13/-4.2
Φ(10°)	-2.8/-2.4	-1.9/-1.28	-0.71/-0.21	0.45/0.86	1.22/1.44	1.36/0.95	0.26/-0.73	-2.19/-3.91	-5.87/-6.95	-6.09/-4.34	-2.55/-0.99	0.46/1.53	2.24/2.71	3.02/3.05	2.85/2.55	1.98/1.16	0.1/-1	-2.11/-2.82
Φ(20°)	-1.21/-1.13	-1.32/-1.64	-2.06/-2.19	-1.8/-1.1	-0.42/0.09	0.26/0	-0.67/-1.83	-3.48/-5.63	-8.29/-10.16	-9.12/-6.17	-3.55/-1.56	-0.03/1.15	2.02/2.53	2.91/3.11	3.06/2.8	2.38/1.7	0.88/-0.01	-0.78/-1.24
Φ(30°)	-0.01/-0.57	-1.1/-1.99	-2.88/-3.26	-2.91/-2.26	-1.56/-0.97	-0.51/-0.55	-1.07/-2.18	-4.02/-6.4	-9.36/-13.68	-15.88/-9.66	-5.36/-2.71	-1.04/0.35	1.27/1.65	1.89/2.14	2.37/2.47	2.42/2.15	1.67/0.97	0.15/-0.41
Φ(40°)	-0.3/-0.65	-1.59/-2.71	-3.37/-3.48	-3.39/-3.15	-1.32/-0.88	-0.89/-1.42	-2.85/-4.84	-7.24/-11.31	-18.52/-13.67	-9.64/-3.1	-0.86/0.63	1.29/1.05	0.61/0.37	0.43/0.97	1.55/1.88	1.87/1.54	0.82/0.05	
Φ(50°)	-0.91/-1.42	-2.21/-3.31	-3.69/-4.58	-4.01/-4.42	-5.13/-3.95	-3.4/-3.31	-3.14/-3.15	-4.16/-5.84	-7.23/-8.26	-8.88/-9.24	-6.39/-3.26	-3.17/-0.54	-1.06/0.02	-1.7/-2.87	-3.42/-2.81	-1.67/-0.77	-0.16/0.1	-0.17/-0.46
Φ(60°)	-1.54/-2.36	-2.65/-3.96	-3.07/-4.21	-4.82/-4.05	-7.12/-10.17	-10.39/-7.26	-7.53/-6.78	-2.28/-2.8	-2.61/-2.36	-3.59/-6.43	-7.51/-5.13	-2.52/-0.64	0.32/0.05	-3.51/-3.37	-2.6/-1.88	-1.49/-1.14	-1.29/-0.64	-0.2/-0.04
Φ(70°)	-3.38/-5.05	-5.41/-4.92	-4.82/-6.07	-8.39/-10.64	-8.59/-10.64	-9.24/-6.5	-3.41/-2.43	-3.55/-6.1	-1.42/-2.05	-1.63/-1.44	-3.55/-6.1	-6.3/-4.46	-1.36/0.97	1.02/1.39	-4.89/-5.41	-6.21/-4.07	-2.69/-1.89	-1.79/-2.02
Φ(80°)	-5.79/-6	-6.2/-5.68	-5.59/-7.19	-10.33/-15.39	-18.06/-9.8	-5.04/-3.85	-5.2/-3.11	-0.83/-0.98	-0.12/0.19	-1.87/-4.29	-6/-5.2	-1.29/1.34	2.31/1.94	0.16/-2.67	-5.6/-7.42	-8.52/-6.16	-9.35/-7.92	-5.81/-5.56
Φ(90°)	-13.71/-11.91	-11.37/-10.19	-7.48/-6.33	-6.69/-8.39	-12.33/-18.6	-9.24/-6.5	-8.4/-4.75	-2.24/-2.95	-1.7/-1.19	-2.9/-3.02	-3.46/-3.32	-1.02/0.9	1.59/1.24	-0.66/-3.56	-6.78/-9.63	-11.17/-10.81	-9.63/-14.72	-12.08/-10.83
Φ(100°)	-18.11/-13.54	-9.56/-7.77	-5.72/-4.55	-4.72/-6.39	-9.78/-13.38	-8.63/-6.76	-7.67/-3.29	-1.41/-2.82	-1.72/-0.87	-3.07/-3.49	-3.94/-5.43	-3.33/-0.76	0.18/-0.48	-3.28/-8.4	-13.56/-16.93	-11.16/-10.77	-8.29/-8.39	-15.5/-16.07
Φ(110°)	-11.55/-18.82	-17.99/-10.31	-5.77/-3.86	-3.29/-4.12	-6.26/-10.63	-14.14/-12.78	-7.06/-2.77	-2.73/-3.93	-1.67/-1.65	-3.93/-3.57	-4.33/-8.21	-6.77/-5.14	-4.63/-5.4	-8.75/-17.5	-18.71/-14.96	-8.06/-7.01	-7.08/-4.89	-5.53/-8.14
Φ(120°)	-7.21/-7.87	-8.89/-13.28	-8.67/-5.38	-5.17/-6.47	-9.39/-14.98	-17.47/-15.12	-8.7/-6.46	-7.57/-6.61	-3.96/-4.79	-5.25/-3.49	-3.65/-4.43	-4.62/-5.85	-7.04/-8.22	-12.97/-18.45	-18.51/-17.65	-14.66/-9.01	-8.76/-7.87	-6.83/-8.03
Φ(130°)	-7.24/-8.19	-7.52/-8.96	-9.97/-6.76	-5.46/-5.62	-6.62/-7.49	-7.36/-5.9	-4.22/-3.45	-3.09/-2.12	-1.7/-2.16	-2.64/-3.08	-4.44/-6.47	-10.32/-18.84	-18.25/-17.22	-12.51/-9.97	-9.11/-9.43	-8.78/-8.73	-4.04/-4.33	-4.63/-5.11
Φ(140°)	-4.25/-5.23	-4.27/-3.86	-4.49/-4.77	-4.49/-4.69	-5.4/-6.05	-5.04/-4.16	-4.1/-3.77	-2.56/-1.41	-1.39/-1.84	-5.2/-5.62	-6.58/-7.45	-9.44/-11.18	-13.6/-16.56	-13.53/-13.8	-11.8/-8.56	-8.22/-11.68	-11.07/-10.1	-9.22/-10.73
Φ(150°)	-10.61/-12.39	-8.89/-8.14	-5.49/-4.75	-3.99/-3.46	-3.16/-3.28	-3.6/-3.68	-3.09/-3.57	-3.01/-3.89	-5.04/-7.09	-6.26/-5.72	-5.71/-6.04	-6.29/-5.72	-5.04/-5.04	-5.43/-6.07	-6.66/-7.43	-9.61/-10.73	-13.82/-18.55	-12.05/-16.26
Φ(160°)	-15.46/-15.35	-18.93/-18.09	-18.25/-16.35	-14.83/-13.13	-12.8/-13.45	-13.97/-15.59	-16.63/-15.21	-16.81/-14.76	-15.61/-13.15	-11.72/-16.48	-18.54/-17.76	-18.29/-17.89	-18.03/-18.82	-14.78/-14.85	-15.41/-17.39	-18.39/-18.05	-14.44/-13.47	-11.42/-13.16
Φ(170°)	-17.99/-18.34	-17.22/-17.78	-16.22/-15.58	-15.17/-15.84	-16.17/-16.57	-16.06/-15.71	-17.98/-17.81	-18.12/-17.96	-17.39/-16.99	-15.49/-12.86	-13.06/-13.03	-13.26/-17.08	-17.73/-17.97	-17.81/-18.11	-18.26/-18.24	-18.5/-19.15	-18.36/-18.83	-19.22/-17.93
Φ(180°)	-18.94/-18	-17.61/-18.49	-15.85/-14.67	-14.99/-16.8	-18.59/-17.7	-16.41/-17.06	-19.39/-18.69	-19.07/-19.18	-18.16/-17.63	-15.44/-13.95	-14.28/-16.17	-18.14/-19.26	-18.29/-17.89	-17.45/-17.68	-18.58/-17.59	-17.83/-18.59	-18.29/-18.38	-17.78/-18.16
Φ(188°)	-18.56/-18.43	-17.26/-17.63	-18.25/-17.43	-18.59/-17.62	-19.1/-18.9	-19.37/-18.44	-18.11/-18.14	-17.86/-18.81	-18.22/-18.94	-18.42/-18.2	-18.05/-17.19	-17.67/-17.4	-17.48/-18.42	-18.2/-18.37	-18.78/-17.72	-18.58/-18.82	-18.38/-18.88	-18.35/-18.82
Freq(Hz)	5.6GPol.	Pol/Ant. 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
Φ(0°)	-6.94/-5.24	-4.86/-4.13	-4.45/-4.53	-5.05/-5.64	-6.55/-8.35	-8.84/-11.65	-6.51/-7.13	-4.79/-13.28	-10.84/-8.26	-5.48/-6.12	-4.97/-4.63	-5.42/-5.3	-4.71/-4.36	-5.43/-10.83	-14.86/-17.05	-15.34/-12.05		
Φ(10°)	-6.9/-3.41	-2.47/-1.67	-1.1/-0.85	-2.78/-0.93	-1.23/-2.14	-3.76/-6.52	-11.09/-18.92	-18.07/-12.07	-9.01/-7.56	-7.35/-9.19	-9.83/-10.18	-13.77/-17.59	-19.02/-18.4	-18.13/-17.58	-17.47/-16.48	-16.36/-13.06	-9.88/-6.89	
Φ(20°)	-7.33/-6.09	-5.08/-4.41	-3.42/-2.41	-2.14/-2.07	-2.29/-3.23	-6.28/-5.93	-8.12/-11.07	-17.63/-18.34	-10.63/-7.08	-5.8/-6.16	-8.62/-12.41	-18.01/-17.73	-17.38/-18.47	-19.5/-18.67	-19.22/-16.63	-17.84/-19.13	-14.06/-9.32	-7.97/-7.52
Φ(30°)	-12.05/-12.76	-9.8/-7.17	-5.21/-4.38	-4.02/-5.59	-9.77/-14.23	-10.02/-8.33	-8.74/-8.31	-8.41/-8.68	-7.81/-6.2	-6.11/-8.01	-10.42/-12.81	-15.43/-17.25	-19.16/-18.89	-19.72/-17	-12.61/-6.63	-6.67/-6.93	-9.37/-12.41	-11.79/-10.85
Φ(40°)	-18.01/-19.17	-14.31/-8.25	-4.77/-3.75	-5.23/-6.77	-8.97/-14.99	-11.68/-10.31	-11.32/-7.19	-6.73/-5.4	-3.05/-3.26	-4.79/-7.44	-11.91/-14.07	-11.26/-8.81	-7.91/-8.72	-11/-17.95	-14.06/-9.02	-6.59/-6.6	-8.1/-11.92	-11.47/-11.5
Φ(50°)	-18.38/-17.88	-12.61/-6.78	-2.73/-2.33	-5.74/-9.46	-9.01/-11.61	-10.22/-10.26	-18.82/-8.61	-6.81/-4.21	-1.63/-2.74	-5.51/-8.43	-12.77/-12.17	-10.15/-8.41	-7.65/-8.09	-8.82/-10.18	-8.64/-7.58	-6.29/-5.48	-7.07/-9.11	-11.14/-12.33
Φ(60°)	-15.88/-15.51	-16.32/-10.61	-4.41/-3.92	-9.13/-16.05	-10.38/-10.61	-9.33/-11.11	-18.72/-11.55	-10.36/-6.88	-3.04/-3.76	-6.11/-7.53	-9.02/-7.36	-9.35/-7.71	-8.27/-8.45	-9.46/-8.04	-7.69/-8.31	-8.37/-7.29	-7.74/-10.29	-9.71/-8.3
Φ(70°)	-17.21/-15.23	-18.85/-18.13	-4.51/-5.19	-10.41/-17.09	-9.53/-9.06	-9.79/-12.41	-17.14/-12.28	-14.45/-10.1	-4.53/-4.95	-6.52/-7.66	-8.66/-7.3	-10.7/-11.79	-10.64/-8.4	-9.44/-7.27	-8.82/-7.21	-8.81/-8.16	-9.79/-12.26	-10.45/-7.72
Φ(80°)	-18.62/-18.15	-18.69/-17.97	-8.76/-6.67	-13.69/-17.55	-10.26/-9.64	-12.23/-10.52	-16.79/-18.99	-15.69/-11.54	-6.44/-6.85	-7.47/-8.18	-11.99/-9.52	-13.82/-15.81	-12.79/-9.45	-13.72/-7.49	-4.44/-6.43	-9.08/-10.98	-13.07/-14.34	-11.99/-8.06
Φ(90°)	-17.81/-18.59	-16.59/-18.67	-10.37/-8.84	-16.77/-19.53	-10.89/-10.4	-12.78/-18.54	-15.6/-15.03	-19.3/-18.55	-12.49/-11.27	-11.31/-10.11	-18.18/-12.86	-18.16/-17.54	-11.56/-11.25	-17.17/-7.33	-6.17/-8.25	-9.96/-11.95	-16.15/-13.65	-14.62/-10.5
Φ(100°)	-18.75/-15.42	-15.58/-18.33	-13.21/-10.32	-17/-17.73	-13.92/-13.22	-15.98/-17.92	-16.5/-16.03	-17.38/-19.28	-15.79/-15.37	-13.69/-10.56	-16.14/-18.9	-18.66/-16.89	-18.38/-19.29	-18.06/-11.62	-11.47/-12.72	-11.77/-17.88	-16.11/-13.4	-18.86/-13.99
Φ(110°)	-18.28/-16.21	-19.28/-14.5	-15.24/-12.29	-18.71/-16.51	-14.27/-16.82	-19.18/-17.73	-17.57/-19.2	-18.56/-18.65	-19.3/-18.44	-16.14/-10.74	-15.57/-17.71	-18.31/-11.24	-18.5/-17.82	-18.64/-13.91	-18.29/-13.36	-12.42/-17.12	-14.03/-10.55	-19.38/-17.99
Φ(120°)	-13.08/-13.97	-18.9/-15.33	-17.3/-16.61	-17.65/-14.69	-11.98/-14.28	-17.88/-19.19	-18.84/-18.72	-18.7/-19	-17.74/-17.91	-15.47/-13.97	-12.68/-16.62	-17.79/-12.78	-15.19/-18.05	-14.5/-13.09	-18.84/-10.84	-18.27/-16.23	-11.95/-14	-17.62/-18.01
Φ(130°)	-14.84/-11.75	-18.48/-16.52	-17.93/-18.53	-18.09/-15.16	-12.53/-14.61	-18.29/-18.14	-17.64/-19.03	-17.58/-18.01	-18.47/-18.19	-18.13/-14.86	-18.22/-17.84	-17.81/-18.3	-18.81/-15.33	-18.02/-18.51	-17.34/-11.33	-17.99/-18.32	-13.26/-17.56	
Φ(140°)	-15.85/-15.84	-18.26/-17.6	-16.96/-19.29	-16.38/-15.75	-18.59/-18.05	-18.22/-17.55	-17.86/-17.45	-16.79/-18.55	-18.84/-17.48	-17.35/-17.29	-18.58/-16.9	-14.94/-16.42	-16.22/-18.78	-19.28/-17.92	-17.93/-14.37	-17.05/-18.48	-17.86/-17.96	-19.07/-17.73
Φ(150°)	-17.47/-18.72	-15.79/-13.07	-13.5/-16.22	-17.23/-18.23	-16.96/-15.47	-17.84/-18.36	-19.3/-16.68	-19.28/-17.73	-16.43/-15.54	-14.1/-16.06	-17.67/-11.39	-10.33/-10.18	-14.43/-17.94	-18/-19.05	-18.08/-17.28	-17.79/-18.02	-17.35/-18.54	
Φ(160°)	-17.83/-17.76	-18.89/-19.39	-16/-19	-18.82/-19.45	-18.15/-16.76	-18.14/-18.15	-18.14/-16.26	-16.3/-13.82	-14.41/-16.16	-16.7/-11.79	-15.89/-19.29	-13.67/-11.79	-18.03/-13.43	-18.22/-19.27	-15.06/-13.12	-12.98/-14.63		
Φ(170°)	-17.78/-17.99	-18.69/-17.67	-17.04/-16.8	-17.26/-18.83	-17.52/-17.68	-19.12/-17.42	-18.13/-17.44	-17.86/-16.71	-14.21/-12.96	-14.62/-12.96	-12.68/-12.71	-10.1/-10.38	-18.02/-18.62	-16/-16.77	-16.68/-14.62	-16.76/-15.77	-17.26/-16.4	
Φ(180°)	-17.61/-18.1	-18.21/-18.76	-17.52/-17.65	-18.74/-18.43	-17.79/-17.41	-17.24/-18.62	-17.14/-17.33	-18.11/-17.84	-18.19/-15.89	-14.57/-14.81	-14.86/-16.37	-17.88/-18.1	-17.4/-18.67	-17.97/-18.21	-17.82/-18.07	-17.94/-18.17	-17.84/-17.54	-17.46/-19.1
Freq(Hz)	5.6GPol.	Theta/Ant. 1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
Φ(0°)	-8.51/-10.59	-12.88/-15.17	-15.49/-13.68	-12.28/-9.73	-8.03/-7.01	-6.11/-5.4	-5.13/-4.93	-4.92/-5.07	-5.99/-7.37	-8.56/-10.04	-12.37/-14.76	-16.45/-14.62	-11.87/-9.22	-7.49/-6.44	-5.76/-4.97	-4.39/-4.42	-4.89/-5.27	-6.26/-7.17
Φ(10°)	-2.31/-3.13	-4.46/-5.94	-8.29/-10.88	-14.48/-16.98	-12.61/-8.93	-7.06/-5.85	-5.22/-5.71	-7.31/-9.82	-13.86/-17.64	-18.81/-18.56	-15.61/-14.64	-14.05/-13.82	-13.12/-12.49	-11.9/-10.75	-9.9/-8.37	-6.49/-4.96	-3.73/-2.61	-2.13/-2.07
Φ(20°)	-2.94/-2.78	-3.47/-4.71	-5.62/-6.68	-7.83/-8.18	-7.88/-8.41	-9.43/-11.47	-14.19/-16.37	-17.5/-17.21	-13.19/-9.06	-8.34/-7.83	-7.5/-8.66	-12.12/-16.84	-17.73/-14.94	-13.09/-10.75	-10.94/-14.51	-16.12/-12.24	-9.5/-7.46	-5.72/-4.03
Φ(30°)	-3.51/-3.85	-6.3/-10.68	-13.46/-16.71	-18.94/-13.28	-7.19/-4.52	-3.94/-4.24	-4.71/-4.49	-5.87/-6.93	-3.48/-3.66	-0.96/-3.1	-7.02/-6.63	-3.67/-2.5	-2.66/-3.02	-3.88/-6.42	-9.37/-9.54	-8.26/-9.09	-6.74/-9.31	-6.68/-4.11
Φ(40°)	-2.52/-5.5	-11.39/-12.2	-8.46/-7.2	-8.2/-13.21	-3.16/-3.55	-8.23/-4.42	-6.49/-3.76	-3.43/-2.84	-0.56/2.38	-2.65/-5.68	-6.72/-13.07	-1.01/0.84	-0.67/-3.52	-6.79/-10.42	-7.58/-3.85	-4.66/-4.27	-2.49/-1.98	
Φ(50°)	-4.73/-9.64	-7.51/-6.18	-6.78/-7.37	-7.4/-8.58	-6.34/-3.72	-4.86/-9	-11.25/-7.39	-4.48/-6.14	-0.5/2.7	2.76/-0.74	-1.29/0.31	1.82/1.69	-0.27/-3.85	-7.01/-5.68	-2.41/-0.12	0.18/-2.03	-6.96/-4.09	-2.56/-3.19
Φ(60°)	-11.22/-18.6	-16.68/-7.64	-6.65/-10.28	-8.89/-10	-5.69/-2.84	-4.94/-11.55	-19.06/-12.41	-5.65/-6.74	-3.37/1.58	1.62/-1.57	-0.93/0.23	0.9/0.81	-2.2/-4.53	-4.4/-1.96	-0.52/-0.48	-4.02/-3.65	-6.6/-5.24	-4.62/-7.58
Φ(70°)	-12.67/-18.11	-19.13/-9.48	-9.49/-17.45	-10.52/-13.37	-7.87/-5.08	-7.53/-14.45	-17.53/-15.14	-8.7/-7.55	-4.8/-0.64	-0.83/-3.13	-1.89/-1.39	-1.44/-1.21	-2.54/-3.09	-1.89/-0.1	-0.11/-1.45	-3.1/-6.89	-9.46/-6.35	-6.53/-13.86
Φ(80°)	-10.69/-13.84	-18.77/-9.22	-9.37/-18.38	-11.34/-14.77	-13.2/-9.1	-13.34/-18.9	-12.63/-12.14	-15.02/-9.92	-5.18/-2.78	-4.32/-6	-4.07/-3.98	-3.87/-4.1	-3.33/-4.6	-4.49/-1.51	-2.38/-3.77	-6.41/-16.65	-11.13/-7.71	-8.59/-18.2
Φ(90°)	-11.8/-15.4	-18.38/-10.51	-8.59/-18.78	-11.97/-13.88	-19.04/-13.48	-10.15/-7.83	-18.42/-14.87	-14.71/-13.17	-4.64/-4.42	-7.26/-8.12	-7.09/-6.06	-8.23/-4.86	-3.37/-5.55	-4.69/-4.02	-4.53/-5.76	-6.85/-14.11	-19.25/-9.41	-11.3/-19.27
Φ(100°)	-10.87/-17.51	-18.88/-11.36	-9.67/-19.92	-13.79/-13.93	-18.55/-15.1	-18.85/-10.81	-9.03/-6.61	-12.35/-15.8	-6.46/-6.9	-6.81/-6.61	-10.16/-7.34	-3.5/-2.15	-2.59/-1.44	-4.66/-4.22	-8.12/-18.82	-18.5/-12	-11.85/-14.58	
Φ(110°)	-10.84/-16.09	-14.25/-12.48	-11.42/-19.08	-17.15/-17.56	-18.51/-17.1	-13.02/-12.34	-10.52/-8.21	-12.94/-14.61	-8.22/-5.68	-6.75/-5.23	-4.13/-7.49	-5.41/-3.1	-2.7/-3.84	-10.16/-9.49	-15.66/-18.27	-14.51/-13.26	-19.04/-10.62	
Φ(120°)	-18.59/-15.91	-14.68/-14.51	-16.76/-19.52	-16.18/-18.61	-18.59/-17.47	-13.2/-12.07	-11.64/-10.2	-9.74/-9.78	-6.56/-6.08	-7.43/-7.8	-8.41/-8.66	-9.01/-10.55	-6.62/-7.22	-6.42/-8.53	-8.24/-16.01	-13.45/-17.82	-13.16/-14.92	-12.48/-12.19
Φ(130°)	-18.46

θ (140°)	-14.93/-16.56	-13.44/-11.04	-14.04/-17.34	-14.48/-16.63	-17.24/-18.19	-17.94/-17.48	-18.19/-18.61	-16.03/-12.55	-12.3/-18.89	-18.9/-18.01	-19.11/-17.48	-14.96/-18.63	-18.13/-18.47	-16.96/-18.15	-18.62/-17.41	-18.78/-13.23	-16.61/-18.68
θ (150°)	-18.4/-18.34	-11.27/-9.79	-11.92/-19.35	-18.95/-16.57	-15.5/-15.69	-18.65/-17.72	-14.03/-13.3	-14.88/-14.71	-14.2/-19.54	-17.83/-19.09	-19.26/-17.39	-18.75/-16.75	-15.6/-18	-18.76/-17.95	-18.52/-19.2	-18.56/-18.23	-16.49/-17.59
θ (160°)	-16.53/-18.17	-17.18/-15.44	-18.45/-17.16	-17.29/-14.19	-14.92/-18.24	-18.61/-17.84	-12.79/-10.21	-10.65/-13.08	-14.99/-17.68	-17.78/-13.62	-13.32/-13.97	-16.33/-17.76	-17.5/-16.85	-19.05/-18.91	-19.05/-18.91	-18.08/-19.01	-18.85/-18.14	-18.07/-16.33
θ (170°)	-18.53/-17.7	-17.96/-18.45	-18.1/-18.64	-18.02/-18.54	-19.23/-17.13	-15.58/-18.68	-15.64/-14.7	-15.07/-15.81	-18.4/-18.9	-18.46/-15.8	-13.14/-13.22	-17.9/-18.45	-19.17/-18.3	-18.61/-18.89	-18.89/-17.38	-16.17/-18.34	-17.76/-18.28
θ (180°)	-18.9/-18.84	-18.6/-17.64	-18.11/-18.01	-18.02/-18.54	-18.13/-18.75	-18.76/-18.64	-19.23/-18.04	-17.81/-18.31	-18.53/-19.6	-18/-17.18	-17.96/-17.6	-17.37/-18.19	-18.26/-18.91	-19.22/-18.75	-18.47/-18.07	-19.03/-18.34	-17.89/-18.25
Freq(Hz)	5.785GPol.	Theta/Ant. 1	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
θ (0°)	-3.72/-4.18	-5.2/-6.43	-8.09/-9.43	-10.31/-9.91	-8.74/-7.34	-6.14/-5.13	-4.37/-3.68	-3.23/-3.2	-3.42/-4.15	-4.63/-5.15	-5.75/-6.9	-8.07/-9.54	-9.79/-9	-7.96/-6.99	-5.94/-4.81	-3.95/-3.4	-3.23/-3.14	-3.55/-3.34
θ (10°)	-3.36/-2.87	-2.39/-2.18	-2.39/-3.01	-4.09/-5.88	-8.66/-12.01	-15.43/-15.6	-13.08/-10.77	-9.49/-7.87	-7.2/-7.6	-9.09/-12.09	-16.84/-17.02	-12.29/-8.4	-5.94/-4.92	-4.48/-4.14	-4.4/-4.66	-4.61/-4.88	-4.79/-4.45	-4.23/-3.83
θ (20°)	-5.52/-5.33	-4.74/-4	-3.78/-4.38	-5.54/-7.01	-8.42/-9.29	-10.09/-10.72	-10.74/-9.88	-9.51/-8.85	-10.14/-12.08	-12.91/-11.61	-10.77/-10.43	-9.9/-9.16	-9.2/-10.39	-7.9/-7.16	-6.24/-5.1	-7.9/-7.7	-8.24/-8.1	-8.13/-6.52
θ (30°)	-5.04/-6.28	-8.1/-7.27	-5.42/-4.8	-7.08/-12.95	-17.48/-14.56	-11.67/-10.55	-8.91/-8.41	-5.47/-6.36	-5.28/-2.2	-1.41/-2.39	-4.91/-6.24	-9.72/-9.13	-7.19/-4.14	-3/-3.4	-5.31/-7.28	-10.14/-11.39	-10.52/-9.26	-7.13/-5.3
θ (40°)	-4.31/-4.08	-6.16/-5.13	-3.69/-2.01	-1.96/-4.84	-14.47/-16.16	-10.1/-11.32	-12.72/-9.58	-8.27/-12.67	-2.68/0.5	-2.74/-3.72	-2.84/-1.83	-0.7/-0.39	-1.16/-3.68	-6.45/-7.81	-7.76/-4.95	-9.25/-8.75	-7.76/-4.95	-3.66/-3.81
θ (50°)	-5.06/-6.01	-5.4/-5.44	-6.01/-3.57	-3.05/-6.02	-18.15/-10.07	-10.02/-13.71	-13.12/-9.65	-6.44/-13.06	-2.2/2.62	2.34/0.01	-2.86/-1.83	-0.9/0.48	-1.15/0.46	-1.01/-2.48	-2.37/-3.15	-8.15/-4.36	-3.51/-1.83	-1.29/-2.52
θ (60°)	-5.42/-6.23	-6.11/-7.57	-10.49/-7.21	-4.26/-7.84	-14.23/-5.87	-6.76/-7.46	-7.58/-5.18	-3.02/-1.64	0.87/1.99	2.78/1.2	-0.01/-1.61	-0.91/-0.49	-0.52/-1.16	-2.93/-1.77	-1.86/-2.85	-3.23/-3.11	-1.64/-0.48	-1.06/-2.84
θ (70°)	-5.5/-7.73	-7.64/-8.88	-13.82/-7.62	-3.72/-5.54	-8.52/-5.57	-6.44/-11.72	-12.57/-8.26	-4.95/-9.12	-6.5/-0.02	1.13/-0.7	-3.42/-2.88	-2.83/-2.15	-1.76/-2.26	-3.99/-0.59	-0.62/-2.29	-3.78/-4.17	-2.4/-2.46	-2.5/-4.43
θ (80°)	-7.49/-8.82	-9/-8.64	-16/-8.86	-4.43/-4.26	-8.27/-5.76	-8.6/-9.7	-11.82/-8.23	-6.74/-11.32	-7.39/-2.55	-1/-2.12	-3.7/-4.94	-5.14/-4.29	-3.44/-4.87	-5.07/-0.56	-1.09/-2.27	-3.77/-6.43	-3.45/-1.65	-3.56/-6.82
θ (90°)	-7.93/-9.23	-8.44/-9.48	-16.25/-10.15	-5.03/-4.19	-8.43/-5.37	-7.31/-9.46	-11.68/-8.52	-7.71/-17.05	-7.57/-3.77	-2.94/-4.21	-5.8/-6.69	-8.16/-5.18	-3.64/-7.22	-3.11/-1.51	-2.4/-4.68	-4.45/-8.3	-5.81/-4.67	-7.4/-8.14
θ (100°)	-8.92/-10.63	-11.73/-10.53	-15.65/-12.42	-6.11/-5.61	-7.98/-9.02	-11.07/-8.87	-8.72/-17.64	-8.52/-3.52	-4.1/-7.08	-7.66/-10.14	-11.57/-9.14	-9.05/-6.93	-3.34/-3.28	-9.11/-7.29	-6.4/-12.34	-9.93/-7.18	-9.9/-10.5	-7.13/-5.3
θ (110°)	-9.43/-9.55	-11.98/-12.57	-16.16/-11.71	-6.4/-6.34	-12.64/-10.38	-9.9/-8.6	-9.54/-8.33	-8.89/-17.43	-7.87/-4.86	-7.57/-10.68	-7.78/-11.54	-11.86/-18.23	-10.25/-8.76	-6.74/-7.47	-16.19/-10.38	-10.89/-18.73	-12.24/-11.08	-16.39/-18.73
θ (120°)	-15.78/-11.49	-12.39/-17.72	-16.09/-11.3	-7.81/-7.63	-10.97/-13.6	-9.88/-10.12	-8.5/-8.96	-10.96/-18.17	-9.7/-7.16	-10.36/-12.43	-6.66/-11.08	-12.36/-17.67	-14.28/-16.65	-8.89/-13.84	-13.58/-18.1	-14.73/-16.25	-15.49/-12.2	-12.5/-18.32
θ (130°)	-17.02/-13.16	-16.33/-19.37	-17.36/-13.79	-11.13/-12.68	-13.29/-13.87	-13.27/-11.63	-10.52/-12.65	-18.11/-16.54	-11.78/-12.07	-12.69/-14.16	-8.84/-12.46	-14.11/-19.19	-16.66/-11.36	-6.49/-8.89	-8.67/-13.52	-15.15/-19.09	-14.53/-11.27	-12.1/-12.82
θ (140°)	-18.07/-17.83	-17.35/-17.6	-16.76/-13.24	-12.78/-14.11	-18.87/-17.36	-14.31/-13.82	-11.54/-12.33	-16.16/-10.95	-10.63/-12.56	-13.81/-17.02	-13.49/-17.04	-18.15/-18.13	-18.69/-17.9	-10.39/-10.68	-13.67/-15.8	-13.09/-18.02	-12.89/-14.02	-18.39/-19.02
θ (150°)	-16.46/-18.12	-17.91/-16.52	-12.64/-12.23	-13.08/-15.09	-16.45/-17.09	-18.32/-18.25	-17.9/-19.02	-15.97/-12.02	-12.71/-18.94	-18.63/-18.69	-17.51/-18.06	-17.54/-18.83	-19.1/-18.98	-14.13/-16.91	-18.13/-18.03	-18.56/-18.21	-19.52/-16.74	
θ (160°)	-15.53/-17.44	-17.59/-18.32	-18.96/-19.15	-18.63/-18.95	-18.57/-18.23	-17.56/-19.43	-18.36/-16.52	-16.93/-18.62	-17.99/-14.64	-14.81/-17.13	-15.54/-15.69	-18.86/-16.7	-13.74/-13.03	-13.85/-16.12	-17.37/-16.63	-17.12/-18.75	-18.53/-17.4	-16.79/-13.38
θ (170°)	-17.46/-18.38	-19.44/-18.13	-17.11/-16.93	-18.39/-19.36	-18.53/-18.41	-17.5/-17.81	-18.44/-18.87	-17.75/-17.29	-17.51/-17.61	-16.76/-18.72	-18.18/-18.41	-17.45/-15.95	-15.25/-15.07	-16.06/-16.74	-16.89/-16.53	-17.96/-17.76	-19.37/-18.68	-18.56/-18.25
θ (180°)	-17.5/-18.15	-18.86/-17.61	-18.75/-18.46	-18.72/-17.44	-18.56/-18.77	-18.26/-17.99	-18.09/-19.34	-18.58/-18.26	-18.86/-18.63	-18.8/-17.48	-18.09/-16.2	-15.41/-15.11	-15.87/-17.16	-16/-18.23	-18.7/-19.67	-19.93/-17.82	-19.23/-18.97	-19.3/-18.24
Freq(Hz)	2.45GPol.	Pol/Ant. 2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
θ (0°)	-5.82/-14.26	-11.02/-8.74	-7.29/-4.68	-6.01/-5.51	-6.12/-4.56	-4.84/-4.56	-4.49/-4.61	-4.77/-5.38	-6.62/-8.2	-9.99/-11.39	-11.19/-9.5	-8.14/-6.89	-6.56/-5.42	-5.33/-5.04	-5.66/-4.53	-5.34/-4.03	-5.96/-4.58	-6.18/-9.98
θ (10°)	-12.81/-11.86	-9.49/-7.78	-7.07/-7.09	-7.67/-8.09	-7.98/-7.17	-5.96/-4.64	-3.68/-3.14	-3.05/-3.67	-5.14/-7.55	-11.39/-15.53	-13.18/-9.95	-6.41/-4.62	-3.49/-3.2	-3.39/-3.56	-4.06/-4.85	-6.79/-6.28	-6.54/-7.31	-8.85/-10.83
θ (20°)	-13.72/-10.07	-7.39/-5.83	-4.98/-5.21	-6.48/-8.95	-11.55/-11.43	-8.09/-5.3	-3.47/-2.57	-2.34/-2.9	-4.5/-6.89	-11.16/-18.66	-14.42/-8.12	-4.78/-2.8	-2.04/-2.04	-2.49/-2.91	-3.57/-4.68	-4.31/-7.73	-8.76/-10.05	-12.02/-14.66
θ (30°)	-11.32/-9.3	-7.1/-5.91	-4.52/-4.03	-4.89/-7.45	-11.99/-18.31	-11.3/-8.61	-4.11/-3.08	-3.02/-3.74	-5.29/-7.54	-12.27/-17.23	-13.84/-7.53	-4.31/-2.7	-2.24/-2.52	-2.07/-3.25	-3.39/-4.31	-6.56/-10.54	-13.71/-14.64	-13.53/-12.95
θ (40°)	-9.56/-10.94	-10.77/-8.61	-5.98/-4.7	-4.91/-6.33	-15.32/-8.37	-5.48/-6.43	-4.64/-5.5	-4.83/-2.73	-10.7/-18.77	-14.88/-8.1	-8.8/-3.42	-3.13/-3.55	-3.85/-3.25	-2.61/-3.14	-5.46/-11.58	-18.19/-12.33	-9.41/-9	
θ (50°)	-12.31/-16.61	-16.38/-11.78	-8.02/-5.65	-4.64/-4.48	-6.11/-10.31	-12.63/-7.85	-5.53/-5.34	-6.02/-6.82	-7.24/-7.53	-8.56/-11.86	-17.78/-13.01	-6.36/-4.13	-4.2/-4.85	-4.33/-2.92	-2.22/-2.96	-5.99/-13.33	-14.44/-8.55	-7.38/-8.87
θ (60°)	-13.6/-18.42	-15.72/-11.85	-8.65/-5.79	-3.58/-2.57	-3.3/-6.18	-8.68/-7.07	-6.25/-7.44	-9.21/-9.74	-10.8/-11.68	-10.65/-11.46	-18.56/-13.36	-6.16/-3.77	-3.82/-4.98	-4.89/-3.15	-2.13/-3.19	-6.46/-12.94	-12.9/-8.98	-8.1/-9.44
θ (70°)	-16.85/-17.58	-15.56/-12.16	-9.44/-6.88	-5.35/-5.02	-5.68/-7.8	-8.25/-6.56	-7.87/-11.09	-14.75/-13.67	-15.53/-14.16	-10.77/-11.26	-17.73/-15.4	-7.58/-4.62	-4.93/-6	-5.03/-2.02	-2.1/-3.05	-6.89/-9.73	-9.55/-8.32	-10.32/-13.19
θ (80°)	-14.69/-15.4	-13.29/-11.74	-10.36/-8.72	-6.62/-7.48	-10.37/-11.33	-7.3/-6.23	-6.4/-7.81	-16.21/-7.28	-18.15/-16.54	-13.73/-11.83	-19.13/-17.62	-10.13/-8.75	-7.16/-4.3	-4.75/-6.31	-5.62/-3.44	-8.68/-9.14	-8.4/-7.1	-7.99/-11.2
θ (90°)	-16.81/-18.71	-14.43/-13.15	-12.07/-9.96	-8.73/-7.94	-6.35/-4.87	-5.63/-10.19	-7.78/-7.89	-18.46/-18.75	-18.07/-17.44	-11.3/-10.93	-12.6/-12.33	-7.95/-5.1	-5.67/-6.59	-5.49/-3.7	-3.33/-4.11	-6.02/-7.67	-9.48/-10.41	-11.27/-12.87
θ (100°)	-16.6/-17.8	-17.12/-13.75	-11.3/-9.41	-8.96/-8.89	-6.74/-8.28	-7.31/-6.35	-7.82/-10.54	-17.64/-13.96	-16.29/-18.51	-13.9/-13.57	-13.26/-11.13	-7.2/-5.7	-6.28/-6.62	-5.13/-3.89	-4.6/-6.28	-9.81/-10.18	-9.75/-10.56	-15.12/-17.79
θ (110°)	-15.16/-16.31	-17.61/-15.52	-12.46/-9.43	-9.61/-11.62	-10.55/-7.48	-5.65/-4.89	-7.18/-11.86	-11.97/-10.15	-11.68/-17.34	-18.83/-18.03	-15.92/-9.51	-5.59/-5.06	-4.28/-7.07	-6.69/-4.19	-4.89/-6.23	-8.07/-10.37	-10.77/-10.01	-10.97/-14.52
θ (120°)	-15.58/-14.79	-14.05/-14.42	-16.26/-15.91	-15.33/-13.64	-9.41/-6.09	-4.86/-5.31	-8.28/-12.45	-13.29/-10.43	-13.85/-17.59	-18.15/-13.33	-9.11/-7.53	-6.66/-5.99	-6.54/-4.78	-4.24/-4.06	-4.98/-6.13	-7.21/-10	-13.48/-19.02	-16.99/-15.4
θ (130°)	-12.84/-12.81	-11.59/-9.14	-9.16/-10.37	-11.88/-13.7	-14.56/-9.93	-7.52/-7.91	-9.68/-10.65	-6.96/-4.86	-7.42/-13.3	-19.22/-13.72	-7.14/-5.43	-5.58/-6.1	-6.02/-5.12	-4.2/-3.89	-4.31/-4.54	-4.92/-6.7	-9.64/-13.62	-18.49/-15.02
θ (140°)	-18.03/-16.8	-16.83/-12.47	-10.86/-13.72	-18.48/-17.59	-13.63/-10.17	-8.37/-7.98	-9.59/-9.82	-5.82/-4.62	-6.44/-10.73	-18.73/-18.45	-8.68/-7	-6.74/-8.87	-6.2/-5.48	-5.48/-6.76	-7.94/-7.04	-6.92/-6.28	-8/-7.72	-11.21/-19.02
θ (150°)	-10.54/-9.94	-11.19/-14.03	-16.46/-16.71	-13.72/-10.41	-8.58/-7.67	-7.86/-8.26	-10.39/-8.27	-5.9/-5.91	-8.15/-12.39	-18.7/-18.44	-17.98/-13.34	-10.66/-8.89	-5/-5.69	-7.58/-10.55	-11.32/-12.35	-11.83/-9.54	-8.93/-10.96	-14.23/-12.14
θ (160°)	-11.45/-12.66	-8.85/-10.64	-10.15/-11.09	-12.42/-16.58	-14.53/-18.05	-13.47/-10.88	-8.86/-7.56	-7.39/-6.79	-18.73/-17.49	-18.73/-16.54	-16.17/-15.33	-11.32/-13.17	-10.69/-9.27	-8.03/-7.86	-8.23/-7.86	-9.43/-10.9	-13.36/-16.15	-14.23/-12.14
θ (170°)	-13.21/-12.59	-12.21/-13.68	-18.26/-18.74	-11.55/-9.26	-7.95/-7.57	-9.06/-9.27	-11.05/-13.98	-15.22/-12.51	-11.46/-11.25	-16.30/-11.46	-12.33/-13.32	-13.35/-12.88	-12.46/-11.53	-11.47/-12.24	-13.89/-16.1			
θ (180°)	-16.47/-18.16	-19.03/-18.52	-16.11/-12.7	-11.2/-10.45	-10.08/-10.23	-11.2/-12.77	-16.14/-18.32	-15.09/-15.26	-15.19/-14.97	-15.09/-14.39	-12.73/-12.62	-12.75/-13.19	-14.69/-17.55	-17.73/-17.63	-18.31/-19.72	-16.87/-15.74		
Freq(Hz)	2.45GPol.	Theta/Ant. 2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
θ (0°)	-5.14/-4.78	-4.59/-4.34	-4.51/-5.29	-6.41/-7.98	-9.86/-11.49	-12.55/-11.92	-10.52/-8.77	-7.65/-6.94	-6.3/-5.46	-4.67/-4.26	-4.29/-4.9	-6.16/-7.99	-9.31/-10.53	-11.65/-11.64	-10.83/-9.88	-9.28/-8.58	-7.93/-7.1	-6.16/-5.56
θ (10°)	-6.19/-6.69	-6.68/-5.82	-4.85/-3.77	-3.33/-3.25	-3.47/-3.8	-4.74/-6	-7.11/-7.57	-7.34/-6.79	-5.73/-4.55	-3.64/-3.04	-3.24/-4.26	-6.1/-8.75	-12.03/-15.1	-15.23/-13.33	-10.62/-8.5	-7.27/-6.45	-5.76/-5.55	-5.44/-5.69
θ (20°)	-6.03/-7.33	-9.29/-8.67	-7.47/-4.7	-2.68/-1.33	-0.62/-0.49	-0.91/-2.07	-3.29/-4.07	-4.72/-4.9	-4.53/-3.63	-2.49/-1.63	-1.58/-2.19	-3.27/-3.94	-3.86/-3.86	-4.21/-4.9	-5.45/-5.48	-6.18/-4.99	-4.89/-4.9	-5.17/-5.55
θ (30°)	-7.79/-8.44	-8.67/-6.4	-6.53/-4.51	-2.64/-0.79	-2.56/-0.74	0.36/-0.74	-2.56/-2.88	-3.14/-2.92	-2.68/-2.1	-1.09/-0.03	0.32/-0.06	-0.62/-0.78	-0.55/-0.5	-1.17/-2.33	-3.28/-3.27	-2.62/-1.66	-1.94/-2.44	-3.38/-4.52
θ (40°)	-3.6/-4.1	-4.37/-4.74	-5.6/-4.99	-2.61/-0.29	0.84/-0.51	-2.4/-3.55	-3.01/-1.56	-1.5/-1.01	0.09/1.12	1.51/1.3	1.18/1.41	1.31/1.46	0.48/-1	-2.07/-1.6	-0.28/0.72	1.04/0.65	-0.42/-2.09	
θ (50°)	-1.53/-2.28	-2.37/-2.71	-3.39/-2.9	-0.96/0.89	1.73/1.53	0.77/-0.45	-2.38/-3.6	-2.56/-1.05	-0.53/-0.45	0.39/1.19	1.14/1.08	1.41/2.18	2.72/2.56	1.69/0.55	-0.47/-0.19	1.11/2.09	2.45/2.14	1.17/-0.23
θ (60°)	-1.18/-1.21	-0.93/-1.45	-2.71/-2.56	-0.41/1.75	2.48/2.02	1.03/0.35	-1.03/-3.53	-3.43/-1.96	-1.55/-1.89	-0.65/0.32	0.36/0.55	1.34/2.21	2.59/2.23	1.5/0.98	0.66/0.91	1.46/1.98	2.1/1.76	0.93/-0.27
θ (70°)	-0.79/-1.06	-1.06/-1.75	-2.56/-1.49	0.83/2.33	2.16/0.57	-1.22/-0.98	-1.36/-4.12	-4.62/-4.7	-5.84/-6.02	-3.12/-1.19	-0.05/1.19	-2.47/3.25	3.08/2	0.65/0.14	0.47/1.2	1.78/2	2.05/1.81	1.21/0.16
θ (80°)	-1.5/-1.84	-1.51/-1.9	-2.51/-1.6	0.43/1.53	0.94/-1.06	-2.62/-0.75	-0.45/-4.23	-5.59/-5.79	-9.76/-9.81	-5.58/-3.3	-1.79/-0.17	2.02/3.47	3.33/1.75	-0.28/-0.13	0.59/1.32	1.61/1.24	1.21/0.72	0.5/-0.08
θ (90°)	-1.42/-2.18	-2.39/-4.13	-5.29/-2.9	0.04/1.12	0.31/-1.87	-2.71/-0.19	-0.25/-5.78	-6.14/-6.51	-9.09/-6.58	-3.71/-2.83	-2.31/-0.68	1.72/3.24	3.09/1.51	-1.18/-1.27	-0.09/0.82	1.38/0.61	0.83/0.24	-0.3/-0.25
θ (100°)	-3.76/-6.08	-5.82/-5	-4.18/-2.1	-0.05/0.34	-0.83/-3.12	-3.22/-0.98	-2.39/-11.47	-5.36/-6.53	-9.05/-4.95	-2.82/-2.91	-3.42/-2.16	0.16/1.71	1.71/0.39	-2.47/-2.7	-1.22/-0.73	0.35/-1.37	-0.11/-0.22	-0.91/-1.35
θ (110°)	-1.7/-1.78	-5.13/-4.4	-5.29/-4.68	-2.55/-1.51	-1.01/-2.49	-1.61/-1.47	-4.68/-9.13	-7.89/-6.22	-6.82/-3.44	-2.73/-4.15	-4.79/-4.25	-1.68/-0.46	-0.77/-2.57	-3.83/-3.49	-3.61/-3.46	-2.17/-1.76	-1.97/-1.64	-4.14/-6.64
θ (120°)	-7.56/-7.36	-4.83/-3.88	-4.95/-5.79	-4.27/-2.7	-2.51/-2.57	-2.22/-3.22	-8.05/-5.71	-3.33/-4.36	-3.66/-1.32	-1.57/-4.46	-7.69/-8.86	-5.64/-7.53	-6.16/-5.51	-6.73/-6.7	-7.38/-9.36	-7.88/-8.11	-8.21/-6.7	-6.16/-6.7
θ (130°)	-7.6/-10.46	-9.53/-7.18	-6.95/-7.78	-7.43/-5.6	-3.95/-3.13	-3.96/-7.25	-10.82/-8.07	-6.76/-6.03	-4.44/-3.14	-3.51/-6.2	-10.08/-12.08	-12.83/-14.71	-15.01/-15.74	-17.86/-12.66	-8.94/-8.52	-7.84/-6.64	-7.82/-8.01	-7.27/-6.44
θ (140°)	-5.51/-7.74	-10.88/-13.03	-16.27/-10.68	-6.58/-4.82	-4.54/-5.47	-8.08/-12.57	-11.87/-7.5	-6.02/-7.1	-9/-9.86	-10.51/-13.08	-15.49/-11.43	-10.41/-12.1	-13.86/-15.94	-17.74/-12.37	-9.69/-10.45	-12.86/-11.69	-10.12/-10.53	-8.83/-6.3
θ (150°)	-6.78/-9.63	-14.49/-14.49	-11.4/-8.26	-5.87/-4.88	-4.86/-6.08	-8.83/-11.18	-9.13/-7.37	-8.04/-10.83	-15.63/-18.92	-19.08/-15.05	-10.28/-7.71	-7.21/-8	-9.15/-12.49	-17.95/-13.11	-7.42/-5.64	-6.39/-4.84	-4.09/-3.93	-4.71/-5.47
θ (160°)	-4.66/-6.79	-9.05/-9.31	-8.21/-7.07	-4.45/-4.32	-6.78/-8.29	-10.74/-13.27	-15/-18.07	-18.25/-19.29	-14.35/-13.88	-15.44/-15.39	-11.58/-9.09	-8.55/-9.75	-10.88/-12.43	-16.17/-17.51	-13.55/-10.79	-8.4/-6.02	-3.92/-2.81	-2.7/-3.28
θ (170°)	-10.16/-12.47	-14.57/-14.53	-13.52/-12.79	-13.29/-14.84	-17.16/-19.23	-17.79/-18.05	-16.02/-12.28	-9.18/-7.8	-7.37/-8.02	-9.99/-13.36	-16.78/-17.33	-17.06/-14.86	-14.1/-14.2	-14.51/-14.35	-13.18/-11.22	-9.36/-8.2	-7.95/-8.8	
θ (180°)	-16.29/-14.76	-13.05/-12.46	-13.26/-15.91	-18.04/-18.53	-18.84/-16.88	-14.15/-12.6	-11.42/-10.27	-10.02/-10.31	-10.93/-12.2	-13.6/-15.5	-18.36/-18.28	-18.36/-19.18	-18.89/-17.73	-17.37/-15.91	-14.12/-13.06	-12.44/-12.65	-13.07/-13.45	-15.01/-16.58
Freq(Hz)	5.2GPol.	Pol/Ant. 2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
θ (0°)	-14.18/-11.63	-9.73/-8.72	-8.16/-7.52	-7.29/-6.94	-6.93/-7.42	-7.77/-8.3	-9.33/-10.93	-12.34/-13.16	-13.03/-12.31	-11.68/-10.69	-9.51/-8.37	-7.74/-7.52	-7.14/-6.98	-6.98/-7.34	-7.96/-8.56	-9.53/-10.74	-11.79/-13.18	-13.81/-14.26
θ (10°)	-10.63/-8.96	-8.59/-8.89	-8.82/-7.44	-6.42/-6.11	-5.53/-5.33	-6.03/-7.09	-8.28/-9.71	-11.71/-13.85	-16.35/-17.94	-19.04/-15.75	-12.09/-9.39	-7.34/-6.21	-5.44/-5.32	-5.88/-6.68	-7.85/-9.49	-11.56/-13.27	-14.78/-16.86	-18.37/-16.19
θ (20°)	-17.87/-17.69	-15.59/-12.83	-10.68/-8.33	-7.91/-7.8	-3.7/-6.75	-6.75/-6.96	-7.31/-8.13	-8.84/-9.43	-10.94/-16.24	-15.47/-9.39	-7.44/-7.15	-7.87/-7.18	-5.5/-4.68	-4.98/-5.34	-7.03/-8.6	-10.94/-15.72	-19.02/-18.56	-18.09/-17.69
θ (30°)	-13.07/-18.32	-15.48/-9.79	-8.37/-8.39	-10.91/-16.17	-16.08/-11.65	-9.53/-8.43	-7.87/-7.32	-7.4/-8.96	-10.54/-15.04	-13.71/-9.12	-6.39/-6.13	-7.98/-8.07	-6.77/-5.99	-6.34/-6.62	-7.75/-10.22	-11.29/-15.09	-17.99/-18.66	-14.66/-12.57
θ (40°)	-14.39/-18.28	-18.93/-10.81	-8.06/-8.15	-14.9/-19.06	-11.68/-11.49	-13.5/-13.29	-12.89/-11.85	-11.22/-13.16	-13.52/-17.57	-18.63/-11.87	-8.87/-8.87	-10.05/-14.33	-10.15/-10.36	-11.09/-9.92	-9.52/-9.35	-11.9/-13.47	-16.31/-18.68	-13.78/-11.51
θ (50°)	-17.18/-19.34	-13.91/-10.32	-8.19/-9.8	-17.71/-19.29	-10.94/-10.48	-12.38/-15.46	-17.21/-15.99	-17.44/-18.16	-18.89/-19	-18.21/-15.59	-8.22/-8.67	-13.28/-18.42	-14.89/-15.14	-14.67/-11.99	-9.19/-10.67	-12.77/-16.14	-18.88/-18.31	-18.11/-12.44
θ (60°)	-14.3/-16.24	-17.56/-13.72	-10.83/-11.54	-18.87/-13.37	-8.69/-9.7	-12.82/-17.41	-18.11/-17.55	-18.66/-15.83	-16.29/-13.6	-13.25/-16.62	-9.21/-8.14	-14.85/-15.14	-18.22/-18.76	-18.18/-14.43	-14.65/-17.42	-18.02/-18.76	-17.66/-15.37	-17.53/-18.94
θ (70°)	-13.05/-15.97	-18.76/-13.77	-8.9/-10.36	-17.47/-15.45	-15.19/-16.66	-14.6/-12.46	-14.61/-15.43	-16.51/-15.67	-14.61/-15.44	-18.51/-13.05	-7.49/-8.13	-14.26/-16.07	-18.19/-18.53	-18.18/-16.12	-17.83/-12.08	-17.52/-15.11	-15.51/-18.15	-18.09/-14.51
θ (80°)	-14.39/-18.98	-18.59/-18.96	-18.19/-12.63	-10.78/-14.36	-14.91/-14.41	-15.76/-12.57	-12.47/-14.07	-16.62/-17.87	-19.05/-16.41	-16.45/-16.01	-18.31/-18.35	-15.36/-11.27	-19.56/-15.63	-16.75/-19.02

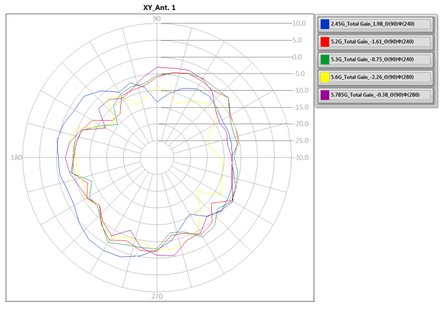
θ (120°)	-6.52/-8.82	-14.47/-13.92	-8.17/-10.14	-11.99/-9.51	-9.13/-8.92	-8.37/-11.54	-8.46/-8.51	-9.26/-9.25	-8.93/-14.7	-15.87/-12.76	-16.71/-18.02	-11.41/-10.9	-13.22/-8.57	-7.38/-7.94	-6.92/-10.29	-18.84/-13.48	-12.41/-14.43	-7.95/-6.3
θ (130°)	-9.14/-14.39	-17.34/-15.77	-13.78/-15.07	-15.29/-12.78	-12.03/-11.81	-9.95/-10.68	-13.17/-13.26	-11.41/-11.92	-13.78/-19.03	-19.03/-11.57	-9.98/-15.46	-10.91/-10.58	-10.4/-9.76	-10.58/-14.87	-10.76/-15.81	-16.92/-13.15	-7.68/-12.97	-9.67/-9.21
θ (140°)	-11.58/-17.84	-16.81/-17.76	-18.38/-18.27	-18.46/-14.29	-14.66/-16.36	-16.81/-17.85	-17.6/-16.87	-14.55/-18.12	-18.31/-17.89	-19.05/-18.57	-19.64/-14.95	-19.03/-18.95	-17.24/-13.06	-11.04/-15.44	-13.65/-17.96	-18.23/-10.8	-13.58/-12.76	-13.57/-15.87
θ (150°)	-15.39/-14.27	-18.81/-19.19	-18.77/-18.31	-18.44/-16.68	-18.2/-17.05	-18.76/-18.11	-17.67/-14.6	-14.39/-18.35	-19/-19	-18.25/-16.59	-17.48/-16.44	-18.41/-18.63	-18.93/-18.23	-15.85/-17.45	-18.48/-18.78	-16.34/-15.22	-13.95/-17.32	-16.39/-15.19
θ (160°)	-18.8/-19.16	-18.58/-18.19	-18.66/-18.12	-18.47/-18.62	-17.09/-14.65	-15.73/-17.78	-17.49/-17.98	-19.26/-18.62	-19.15/-18.34	-18.44/-17.05	-19.01/-17.77	-18.42/-18.82	-17.91/-18.49	-18.19/-17.88	-15.49/-14.83	-15.5/-14.85	-15.79/-16.88	-18.69/-17.95
θ (170°)	-18.71/-18.68	-18.43/-17.78	-18.77/-17.81	-18.84/-17.96	-19.37/-17.68	-17.82/-18.79	-17.79/-19.18	-18.05/-17.35	-18.49/-18.28	-18.09/-18.58	-18.05/-18.22	-16.01/-15.94	-16.16/-17.62	-17.91/-17.85	-18.11/-19.11	-18.78/-18.38	-18.57/-19	-18.29/-18.95
θ (180°)	-18.94/-17.58	-18.69/-18.18	-18.28/-17.67	-18.44/-18.27	-17.13/-17.08	-16.82/-16.68	-17.13/-16.9	-16.59/-16.28	-16.52/-17.02	-18.5/-17.56	-18.14/-17.35	-18.22/-19.56	-17.23/-16.38	-15.85/-15.96	-16.76/-18.02	-18.44/-19.19	-19.67/-18.66	-18.17/-18.09
Freq(Hz)	5.785GHz	PhiArt. 2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
θ (0°)	-13.74/-11.63	-8.34/-6.56	-5.76/-4.92	-4.39/-4.24	-4.22/-4.49	-5.04/-5.35	-6.67/-9.16	-11.97/-16.43	-19.11/-18.51	-14.27/-11.22	-9.19/-7.33	-5.83/-5.06	-4.34/-4.23	-4.6/-4.76	-5.39/-6.47	-8.09/-9.41	-11.95/-17.83	-19.01/-18.03
θ (10°)	-17.8/-16.04	-13.56/-10.31	-7.52/-6.22	-5.13/-3.92	-3/-2.75	-2.98/-3.4	-4.3/-6.06	-9.69/-15.73	-18.43/-15.77	-10.62/-8.12	-6.69/-5.17	-4.14/-4.27	-5.14/-5.47	-5.85/-6.38	-6.71/-7.71	-9.99/-10.47	-12.79/-17.44	-18.03/-19.12
θ (20°)	-13.28/-11.25	-10.71/-13.56	-13.32/-9.16	-6.34/-4.58	-3.81/-4.1	-4.94/-5.22	-5.64/-7.08	-9.6/-12.17	-14.29/-13.98	-13.87/-10.25	-7.22/-5.62	-4.63/-4.66	-5.82/-6.35	-6.7/-6.59	-6.43/-7.61	-8.39/-10.26	-11.52/-13.55	-15.65/-18.8
θ (30°)	-13.93/-10.67	-11.24/-15.55	-17.89/-11.6	-7.39/-5.23	-6.4/-10.3	-10.48/-6.92	-5.69/-7.31	-10.95/-10.54	-17.89/-18.9	-17.38/-14.98	-10.16/-7.26	-5.05/-4.44	-6.35/-8.84	-8.22/-7.82	-8.39/-8.94	-10.7/-12.7	-12.79/-13.92	-19.19/-18.94
θ (40°)	-10.34/-8.18	-11.13/-15.13	-19.23/-14.1	-9.77/-9.86	-12.81/-17.8	-13.18/-9.26	-8.06/-10.24	-16.43/-18.28	-19.41/-18.29	-18.63/-14.77	-9.92/-9.62	-8.4/-6.99	-8.39/-14.19	-15.16/-16.39	-12.22/-8.91	-9.36/-11.94	-14.3/-14.35	-18.38/-15.09
θ (50°)	-10.19/-9.8	-10.59/-13.97	-15.5/-11.74	-9.76/-13.44	-17.96/-14.38	-11.45/-10.08	-10.63/-12.51	-16.75/-15.43	-13.57/-15.95	-18.29/-13.32	-7.66/-8.86	-7.38/-11.28	-12.91/-18.79	-18.25/-17.81	-13.76/-10.45	-10.37/-12.12	-13.69/-13.7	-17.53/-19.34
θ (60°)	-12.68/-10.63	-12.75/-11.57	-8.5/-9.45	-10.57/-17.15	-17.96/-10.65	-13.78/-18.92	-16.14/-13.57	-15.2/-11.52	-11.89/-13.17	-16.66/-15.52	-8.06/-7.18	-17.31/-16.64	-18.09/-18.92	-19.08/-18.92	-15.24/-12.05	-10.22/-11.34	-12.66/-12.69	-15.56/-18.76
θ (70°)	-18.6/-12.62	-12.16/-9.58	-7.62/-10.51	-12.21/-18.02	-14.79/-10.85	-14.24/-18.49	-18.47/-18.34	-16.14/-10.71	-11.39/-13.55	-18.48/-15.16	-10.39/-8.92	-18.67/-18.03	-18.93/-16.6	-18.72/-16.13	-18.29/-11.82	-13.52/-13.34	-14.09/-18.27	
θ (80°)	-18.38/-12.04	-11.29/-9.2	-6.56/-11.35	-14.07/-18.67	-15.76/-12.13	-17.58/-18.97	-18.26/-18.49	-17.62/-11.11	-11.4/-13.04	-18.43/-16.52	-12.76/-12.18	-17.39/-18.32	-16.25/-12.66	-18.59/-14.9	-17.03/-11.2	-12.8/-13.38	-13.78/-19.06	
θ (90°)	-19.21/-14.29	-13.72/-8.77	-7.76/-11.81	-11.82/-18.28	-16.12/-15.52	-17.57/-18.26	-18.84/-18.32	-14.63/-11.93	-11.19/-13.98	-18.47/-17.49	-14.64/-16.13	-17.82/-15.35	-16.01/-13.61	-18.58/-15.98	-15.06/-10.26	-10.52/-16.73	-18.46/-17.85	-16.71/-17.91
θ (100°)	-18.9/-14.25	-13.58/-10.15	-7.66/-11.57	-11.5/-18.86	-13.86/-18.62	-18.14/-18.76	-18.61/-19.16	-17.63/-13.96	-12.46/-17.61	-19.12/-17.26	-16.13/-18.34	-17.35/-14.46	-18.76/-18.38	-18.58/-19.3	-14.59/-13.07	-11.44/-18.11	-17.94/-18.24	-16.17/-19.07
θ (110°)	-15.94/-16.56	-15.19/-11.89	-8.1/-11.75	-11.9/-16.44	-14.51/-16.39	-18.2/-18.7	-18.44/-18.72	-18.93/-19.18	-13.13/-18.67	-13.82/-17.72	-14.42/-17.71	-12.64/-15.82	-18.64/-17.92	-18.88/-19.03	-13.23/-13.53	-12.81/-17.88	-18.37/-17.85	-18.89/-17.13
θ (120°)	-18.2/-18.68	-19.05/-12.92	-9.09/-12.65	-10.87/-14.14	-13.27/-12.88	-13.93/-13.25	-18.93/-17.36	-19/-18.13	-18.31/-12.8	-9.68/-13.79	-17.82/-18.24	-17.78/-17.53	-18.39/-18.13	-17.06/-15.49	-12.99/-13.5	-18.19/-19.07	-15.73/-17.61	-18.9/-19.32
θ (130°)	-19.1/-18.99	-15.44/-10.46	-12.56/-13.02	-11.57/-16.48	-13.98/-12.97	-12.98/-10.93	-14.12/-18.28	-18.41/-17.7	-18.88/-15.36	-13.99/-14.27	-18.54/-17.85	-9.29/-12.38	-14.15/-17.17	-18.51/-12.64	-18.88/-16.97	-17.51/-16.85	-17.4/-17.66	-14.03/-18.58
θ (140°)	-19.09/-19.21	-16.13/-13.29	-13.6/-12.98	-10.89/-14.55	-13.98/-12	-14.79/-16.81	-15.7/-15.41	-14.8/-18.97	-18.82/-14.43	-14.13/-13.88	-15.8/-18.55	-13.31/-9.28	-15.15/-17.78	-18.08/-18.51	-15.38/-19.45	-18.6/-17.24	-18.36/-18.57	-19.26/-14.4
θ (150°)	-19.15/-17.97	-19.32/-18.51	-18.28/-13.81	-11.89/-14.03	-15.82/-14.39	-17.35/-18.58	-18.23/-17.53	-19.01/-16.62	-11.22/-9.01	-18.27/-15.89	-13.63/-18.26	-12.04/-13.7	-19.4/-17.57	-18.95/-18.29	-19.34/-17.68	-18.04/-19.48	-19.15/-17.93	-18.64/-19.17
θ (160°)	-18.8/-18.95	-17.38/-18.81	-18.31/-15.24	-15.42/-18.06	-19.27/-18.8	-19.27/-18.8	-19.18/-18.3	-18.04/-18.21	-16.22/-16.54	-18/-18.17	-18.91/-18.07	-17.8/-18.59	-18.64/-18.29	-15.22/-15.12	-16.04/-14.82	-15.47/-17.82	-17.89/-17.92	-18.13/-18.15
θ (170°)	-17.22/-18.62	-18.79/-19.24	-18.38/-17.48	-18.34/-18.62	-18.52/-18.61	-17.65/-18.39	-18.27/-18.67	-18.36/-19.29	-17.8/-18.16	-18.69/-18.59	-18.48/-17.98	-18.88/-18.09	-18.16/-18.18	-18.71/-18.52	-18.24/-18.33	-17.36/-19.1	-17.76/-17.11	-17.35/-17.93
θ (180°)	-19.73/-17.92	-17.35/-17.84	-17.87/-18.94	-19.19/-17.98	-18.05/-18	-19.16/-18.43	-19.16/-18.43	-18.59/-18.5	-19.59/-17.3	-16.93/-16.76	-16.64/-16.98	-18.44/-17.84	-18.82/-18.18	-18.69/-18.3	-17.38/-18.6	-18.51/-18.82	-17.81/-18.93	-18.52/-18.66
Freq(Hz)	5.785GHz	ThetaArt. 2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	θ(0°)/Φ(10°)	θ(20°)/Φ(30°)	θ(40°)/Φ(50°)	θ(60°)/Φ(70°)	θ(80°)/Φ(90°)	θ(100°)/Φ(110°)	θ(120°)/Φ(130°)	θ(140°)/Φ(150°)	θ(160°)/Φ(170°)	θ(180°)/Φ(190°)	θ(200°)/Φ(210°)	θ(220°)/Φ(230°)	θ(240°)/Φ(250°)	θ(260°)/Φ(270°)	θ(280°)/Φ(290°)	θ(300°)/Φ(310°)	θ(320°)/Φ(330°)	θ(340°)/Φ(350°)
θ (0°)	-4.75/-5.44	-6.63/-7.87	-9.68/-13.53	-18.98/-17.97	-18.83/-13.87	-10.47/-8.05	-6.53/-5.37	-4.77/-4.45	-4.41/-4.52	-4.97/-5.49	-6.61/-7.97	-10.15/-13.68	-18.78/-18.56	-18.86/-13.42	-10.5/-8.42	-6.8/-5.68	-5.31/-4.76	-4.05/-4.16
θ (10°)	-10.14/-11.44	-11.82/-13.75	-15.88/-17.26	-19.18/-18.84	-14.96/-10.77	-7.52/-5.42	-3.81/-2.75	-2.07/-1.63	-1.58/-1.82	-2.44/-3.19	-4.54/-6.41	-8.52/-11.64	-16.14/-18.23	-18.07/-18.38	-18.64/-14.29	-11.73/-10	-6.82/-8.47	-8.58/-8.89
θ (20°)	-8.16/-12.94	-18.46/-18.96	-16.49/-15.78	-17.02/-16.2	-12.44/-9.34	-7.31/-6.87	-5.44/-4.14	-3.62/-3.66	-3.72/-3.29	-2.49/-2.35	-2.94/-4.18	-5.08/-5.81	-9.99/-8.25	-9.3/-10.78	-11.83/-11.66	-10.39/-9.41	-8.03/-6.51	-6.5/-6.54
θ (30°)	-18.51/-12.82	-9.55/-10.78	-12.45/-15.57	-16.89/-12.58	-9.72/-9.78	-10/-8.38	-3.64/-1.94	-1.8/-2.13	-3.62/-3.16	-2.23/-1.38	-0.79/-0.94	-1.61/-2.7	-3.27/-3.82	-4.24/-5.09	-6.44/-10.79	-18.78/-18.04	-19.06/-16.83	-15.23/-15.65
θ (40°)	-7.8/-7.13	-8.9/-9.19	-9.39/-11.2	-12.85/-10.27	-8.68/-7.78	-5.74/-2.07	0.41/1.72	1.44/0.47	-2.52/-4.47	-3.5/-5.58	0.28/-0.97	-1.95/-1.39	-0.18/-0.01	-1.1/-1.62	-2.47/-4.81	-9.94/-14.97	-13.86/-12.7	-14.9/-11.7
θ (50°)	-6.34/-6.19	-8.43/-11.47	-10.51/-7.89	-7.08/-6.17	-7.15/-7.99	-3.53/-0.11	1.42/3	3.72/2.6	-0.54/-3.78	-3.56/-0.22	1.2/0.29	-1.86/-1.05	0.09/-0.47	-1.7/-1.7	-1.86/-3.61	-7.09/-9.66	-8.83/-6.64	-9/-7.82
θ (60°)	-4.77/-5.88	-7.41/-7.68	-7.23/-6.17	-6.19/-5.81	-6.19/-7.2	-3.18/-0.56	1.16/2.62	4.12/2.93	-0.21/-2.85	-4.01/-2.04	-0.01/-0.13	-2.76/-3.73	-1.81/-1.83	-2.62/-3.23	-3/-4.07	-6.87/-9.87	-6.75/-5.47	-5.62/-5
θ (70°)	-3.81/-4.29	-5.8/-7.2	-6.66/-3.87	-6.82/-7.42	-6.82/-7.42	-4.63/-3.05	-0.66/-1.28	2.75/1.36	-2.07/-4.26	-5.38/-3.75	-2.53/-3.1	-3.82/-4.32	-3.22/-2.27	-1.76/-3.1	-3.07/-3.98	-8.49/-9.26	-6.91/-6.88	-6.06/-4.06
θ (80°)	-3.14/-4.74	-6.11/-5.89	-4.68/-4.3	-6.86/-8.47	-6.86/-8.47	-6.98/-6.91	-4.19/-1.46	0.62/-0.69	-4.73/-9.01	-6.68/-4.97	-5.83/-7.64	-5.28/-4.75	-2.96/-3.64	-2.3/-1.96	-2.18/-3.39	-8.89/-9.17	-5.72/-6.91	-5.6/-3.58
θ (90°)	-3.06/-5.31	-7.19/-6.25	-6.29/-4.78	-7.79/-7.82	-5.2/-7.64	-10.45/-12.76	-9.57/-5.26	-1.25/-2.6	-7.98/-13.56	-9.09/-7.75	-8.87/-9.6	-4.9/-4.62	-3.14/-5.58	-6.74/-3.39	-1.65/-3.38	-6.16/-8.26	-6.85/-8.33	-7.36/-4.4
θ (100°)	-4.66/-7.49	-8.12/-6.91	-7.7/-5.58	-7.29/-8.11	-5.88/-8.57	-11.62/-15.61	-14.19/-8.57	-3.63/-5.31	-9.42/-16.67	-12.42/-15.97	-10.36/-14.38	-7.15/-7.03	-6.95/-4.2	-11.41/-11.24	-4.95/-6.5	-6.44/-6.7	-6.7/-8.7	-10.84/-7.41
θ (110°)	-5.84/-6.85	-9.5/-11.02	-9.82/-7.73	-7.89/-6.06	-6.5/-11.08	-12.21/-10.43	-10.64/-8.35	-7.15/-10.4	-9.25/-17.73	-17.84/-18.22	-13.96/-13.92	-15.65/-12.42	-18.91/-9.14	-8.45/-9.97	-12.01/-9.79	-10.12/-7.84	-6.12/-8.71	-10.97/-9.86
θ (120°)	-5.24/-6.62	-10.83/-15.26	-10.17/-8.78	-11.19/-8.95	-9.81/-11.48	-9.47/-10.59	-7.31/-7.42	-9.37/-8.03	-8.01/-12.6	-16.37/-16.52	-16.25/-18.44	-13.91/-9.69	-14.64/-7.17	-4.14/-4.24	-10.83/-17.49	-12.53/-7.67	-11.37/-17.85	-10.36/-7
θ (130°)	-7.2/-9.08	-14.37/-16.17	-12.27/-11.41	-15.55/-14.11	-12.63/-10.1	-9.42/-8.33	-11.43/-12.76	-12.94/-11.16	-16.82/-12.64	-13.2/-9.51	-9.53/-14.09	-11.5/-11.77	-7.39/-13.69	-8.32/-10.16	-8.74/-8.57			
θ (140°)	-8.87/-12.48	-10.47/-15.25	-17.42/-18.66	-19.02/-18.4	-16.18/-17.82	-16.17/-16.7	-18.49/-18.38	-18.84/-18.36	-18.19/-17.89	-17.49/-17.03	-15.42/-17.16	-18.68/-18.89	-17.96/-9.99	-9.66/-14.56	-18.34/-16.34	-16.54/-12.79	-16.65/-14.59	-10.73/-13.53
θ (150°)	-14.79/-12.98	-14.58/-16.18	-17.77/-18.46	-18.12/-18.67	-18.57/-17.59	-19.11/-18.62	-18.41/-18.63	-18.08/-18.21	-18.56/-18.32	-18.47/-18.2	-17.89/-17.33	-15.63/-17.58	-14.8/-10.71	-7.96/-9.2	-15.72/-14.22	-16.17/-10.78	-12.35/-14.42	-11.88/-12.81
θ (160°)	-17.24/-17.85	-18.23/-18.68	-18.1/-19	-18.18/-18.77	-18.06/-14.88	-14.09/-16.9	-17.4/-17.87	-17.67/-17.83	-16.19/-17.31	-18.39/-18.41	-18.05/-18.83	-19.06/-18.21	-18.49/-18.32	-18.98/-16.53	-17.67/-19.4	-18.22/-16.95	-17.07/-17.95	-18.24/-16.37
θ (170°)	-18.58/-18.56	-17.49/-18.97	-19.15/-19.07	-18.57/-16.28	-15.69/-15.72	-16.79/-19.64	-17.94/-18.67	-18.84/-17.69	-17.32/-17.59	-18.69/-17.77	-17.58/-17.71	-17.6/-17.6	-18.29/-17.44	-19.19/-18.8	-19.09/-18.38	-18.73/-17.86	-17.59/-18.73	-17.84/-17.74
θ (180°)	-17.59/-18.51	-18.72/-18.72	-18.17/-18.48	-19.28/-17.97	-18.79/-17.65	-17.42/-18.37	-16.63/-16.44	-17.45/-17.67	-18.34/-18.19	-17.25/-18.33	-18.13/-18.84	-18.84/-18.07	-18.56/-16.88	-16.8/-17.3	-18.32/-17.47	-18.68/-18.71	-18/-17.75	-18.41/-18.63

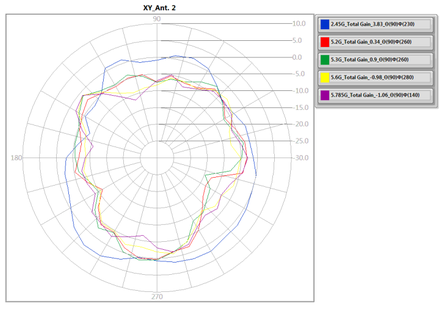
Total Gain Data

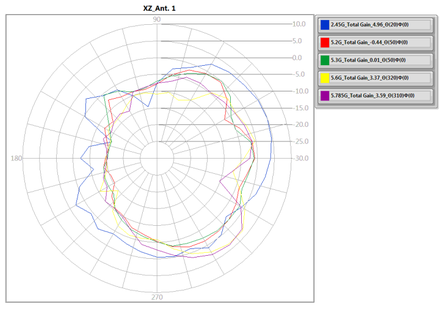
Freq[Hz]	2.45G/PoL	Total/Ant. 1	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(10°)	Φ(20°)/Φ(30°)	Φ(40°)/Φ(50°)	Φ(60°)/Φ(70°)	Φ(80°)/Φ(90°)	Φ(100°)/Φ(110°)	Φ(120°)/Φ(130°)	Φ(140°)/Φ(150°)	Φ(160°)/Φ(170°)	Φ(180°)/Φ(190°)	Φ(200°)/Φ(210°)	Φ(220°)/Φ(230°)	Φ(240°)/Φ(250°)	Φ(260°)/Φ(270°)	Φ(280°)/Φ(290°)	Φ(300°)/Φ(310°)	Φ(320°)/Φ(330°)	Φ(340°)/Φ(350°)
θ=0°	3.84/3.82	3.72/3.77	3.78/3.75	3.47/3.18	3.49/3.40	3.31/3.29	3.33/3.32	3.38/3.36	3.33/3.44	3.61/3.75	3.80/3.75	3.63/3.53	3.34/3.20	3.10/3.08	3.20/3.43	3.58/3.66	3.69/3.74	3.76/3.81
θ=10°	4.09/4.45	4.25/4.16	3.97/3.70	3.47/3.18	2.91/2.70	2.48/2.26	2.11/2.02	1.94/2.01	2.15/2.37	2.68/2.87	2.99/3.01	3.18/3.27	3.25/3.24	3.34/3.41	3.55/3.74	3.90/4.10	4.25/4.38	4.48/4.53
θ=20°	4.90/4.68	4.35/4.00	3.57/3.34	2.61/2.24	1.90/1.54	1.59/0.77	0.42/0.17	0.10/0.26	0.58/0.93	1.32/1.69	1.96/2.21	2.45/2.71	2.85/2.94	3.09/3.25	3.39/3.56	3.90/4.26	4.56/4.87	4.97/5.03
θ=30°	4.66/4.33	3.51/3.08	2.81/2.20	1.71/1.23	0.81/0.32	-0.04/-0.44	-1.06/-1.77	-1.73/-1.87	-1.73/-1.41	-0.94/-0.28	0.29/0.76	1.08/1.45	1.77/1.84	1.94/2.19	2.56/2.99	3.51/4.04	4.50/4.77	4.87/4.86
θ=40°	3.92/3.52	2.94/2.24	1.66/1.17	0.70/0.01	-0.55/-0.80	-0.98/-0.81	-0.79/-1.17	-2.09/-2.97	-3.47/-3.64	-3.00/-2.01	-0.88/0.03	0.81/1.48	1.63/1.19	1.76/0.53	0.55/1.06	1.92/2.96	3.83/4.29	4.36/4.22
θ=50°	3.52/2.95	2.07/0.92	-0.08/-1.31	-2.66/-3.71	-3.83/-3.45	-3.27/-3.19	-2.92/-2.35	-2.21/-2.10	-1.46/-0.78	-0.30/0.21	0.52/1.12	1.65/1.61	1.01/-0.11	-1.38/-2.51	-3.28/-2.71	-1.07/0.86	2.95/3.99	3.86/3.80
θ=60°	2.37/2.18	1.90/1.16	0.19/-1.50	-4.09/-7.09	-8.04/-6.45	-4.58/-3.86	-3.17/-1.56	-0.48/-0.11	0.65/1.15	0.77/-0.50	-1.48/-1.38	-0.51/0.26	0.66/0.20	-0.83/-1.82	-2.75/-3.09	-2.49/-1.33	-0.00/1.35	-3.78/-3.29
θ=70°	-1.27/-2.25	-2.50/-2.66	-2.92/-4.08	-6.05/-7.73	-7.04/-6.81	-2.79/-2.27	-2.85/-1.51	-0.49/-0.88	-0.32/0.01	-1.32/-2.48	-2.27/-1.28	0.40/1.78	2.29/1.56	-0.19/-2.32	-3.83/-4.46	-4.31/-2.61	-0.98/-0.26	-0.09/-0.23
θ=80°	-2.86/-3.03	-3.30/-3.79	-4.51/-6.09	-8.50/-11.09	-12.27/-8.92	-4.87/-3.66	-4.37/-2.36	-0.31/-0.29	0.68/1.08	-0.20/-1.25	-2.37/-2.64	-0.14/1.84	2.53/2.08	0.56/-1.67	-4.29/-6.61	-7.35/-5.83	-4.51/-3.58	-3.29/-3.01
θ=90°	-7.66/-7.33	-7.42/-7.70	-6.81/-6.01	-6.36/-8.03	-10.74/-13.41	-8.62/-6.34	-7.49/-4.02	-1.55/-1.67	-0.43/0.16	-0.55/-0.68	-1.69/-1.59	0.27/1.65	1.98/1.46	-0.28/-2.45	-4.93/-8.46	-10.56/-7.11	-5.10/-5.56	-6.04/-7.08
θ=100°	-14.46/-11.53	-8.43/-6.72	-5.11/-4.18	-4.48/-5.85	-7.31/-7.62	-6.42/-6.41	-7.24/-2.91	-0.95/-1.58	-1.10/-0.26	-1.82/-2.33	-2.78/-3.76	-2.20/-0.31	0.34/-0.41	-2.95/-5.74	-7.50/-8.00	-7.65/-7.31	-5.40/-6.62	-12.02/-13.85
θ=110°	-10.32/-10.29	-5.09/-4.78	-5.58/-3.73	-3.28/-3.88	-5.42/-7.76	-10.75/-11.65	-4.23/-2.30	-2.26/-3.45	-1.37/-1.14	-2.98/-2.68	-3.38/-4.60	-5.80/-4.46	-3.78/-4.19	-4.70/-4.92	-6.44/-4.63	-4.22/-3.44	-4.71/-7.29	
θ=120°	-6.46/-6.57	-7.65/-10.99	-7.97/-5.17	-4.94/-6.19	-8.00/-10.53	-12.35/-12.74	-8.28/-6.18	-6.97/-5.22	-2.82/-3.36	-3.39/-4.27	-4.24/-5.48	-6.59/-7.29	-8.33/-9.22	-4.94/-5.48	-11.39/-9.84	-6.05/-3.81	-5.51/-5.78	
θ=130°	-5.47/-6.23	-6.81/-7.44	-8.60/-6.22	-5.03/-5.01	-5.58/-6.14	-8.09/-9.08	-3.99/-3.07	-2.36/-1.60	-1.47/-2.05	-2.54/-2.62	-3.22/-3.84	-5.12/-6.30	-6.28/-5.71	-4.63/-4.81	-6.42/-5.12	-4.71/-1.90	-2.89/-3.80	
θ=140°	-2.37/-2.57	-2.39/-2.65	-3.69/-4.34	-4.33/-4.48	-5.23/-5.93	-5.82/-4.96	-3.79/-2.60	-2.19/-2.60	-3.52/-4.41	-4.32/-3.51	-2.60/-2.44	-2.63/-3.00	-4.54/-5.84	-6.50/-8.51	-13.27/-11.39	-5.72/-2.55	-0.89/-0.30	-0.84/-1.49
θ=150°	-5.32/-5.09	-4.18/-3.61	-3.28/-2.89	-2.38/-2.12	-1.91/-1.90	-1.95/-1.75	-1.46/-1.41	-1.77/-2.44	-2.89/-2.77	-2.08/-1.25	-0.89/-0.67	-1.05/-1.72	-2.51/-3.40	-4.35/-5.52	-6.43/-6.97	-6.40/-5.12	-4.71/-1.90	-3.78/-3.29
θ=160°	-15.68/-15.83	-13.58/-10.64	-8.32/-6.31	-4.75/-3.41	-2.60/-2.09	-1.91/-1.86	-2.11/-2.75	-3.59/-4.60	-5.42/-5.72	-5.44/-4.84	-4.21/-4.02	-4.56/-5.62	-6.36/-7.56	-9.27/-10.98	-12.67/-12.98	-13.73/-14.31	-12.46/-11.37	-12.02/-14.24
θ=170°	-9.38/-10.91	-12.01/-12.28	-11.70/-10.58	-6.98/-8.02	-7.39/-7.39	-7.75/-8.04	-8.86/-10.03	-11.81/-13.14	-13.83/-12.66	-10.86/-9.18	-7.60/-6.84	-6.80/-6.81	-6.33/-7.32	-7.48/-7.81	-8.07/-8.36	-8.39/-8.23	-7.96/-8.03	-8.14/-8.71
θ=180°	-7.19/-7.74	-8.92/-9.41	-10.12/-10.58	-10.62/-9.94	-9.75/-9.53	-9.04/-9.23	-8.91/-8.48	-8.00/-7.56	-7.24/-6.89	-6.21/-5.78	-5.67/-5.75	-5.94/-5.76	-5.99/-6.24	-6.92/-6.82	-7.14/-7.29	-7.31/-7.01	-6.74/-6.43	-6.25/-6.58
Freq[Hz]	5.2G/PoL	Total/Ant. 1	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(10°)	Φ(20°)/Φ(30°)	Φ(40°)/Φ(50°)	Φ(60°)/Φ(70°)	Φ(80°)/Φ(90°)	Φ(100°)/Φ(110°)	Φ(120°)/Φ(130°)	Φ(140°)/Φ(150°)	Φ(160°)/Φ(170°)	Φ(180°)/Φ(190°)	Φ(200°)/Φ(210°)	Φ(220°)/Φ(230°)	Φ(240°)/Φ(250°)	Φ(260°)/Φ(270°)	Φ(280°)/Φ(290°)	Φ(300°)/Φ(310°)	Φ(320°)/Φ(330°)	Φ(340°)/Φ(350°)
θ=0°	-0.85/-0.83	-0.89/-0.98	-1.06/-1.16	-1.15/-1.04	-0.89/-0.96	-1.04/-0.99	-0.95/-1.23	-1.33/-1.18	-0.96/-0.93	-0.94/-0.99	-1.02/-0.93	-0.86/-0.88	-0.83/-0.72	-0.86/-0.95	-1.15/-1.31	-1.29/-1.29	-1.33/-1.31	-1.13/-0.87
θ=10°	-1.32/-1.01	-1.10/-1.26	-1.21/-1.26	-1.70/-2.30	-2.87/-2.90	-3.59/-3.85	-3.26/-3.10	-3.41/-3.65	-3.43/-3.08	-2.78/-2.61	-2.51/-2.57	-2.74/-2.95	-2.76/-2.31	-2.00/-1.99	-1.99/-1.98	-2.01/-1.80	-1.60/-1.61	-1.83/-1.66
θ=20°	-3.82/-3.77	-3.49/-3.42	-3.30/-3.34	-3.25/-3.16	-2.97/-2.87	-3.30/-4.24	-5.56/-5.77	-7.38/-6.60	-5.68/-4.73	-4.03/-3.56	-4.08/-5.13	-5.79/-4.86	-3.59/-3.03	-2.67/-2.73	-2.81/-2.90	-2.89/-2.82	-2.72/-2.69	-3.01/-3.22
θ=30°	-6.80/-6.73	-5.78/-5.37	-6.20/-6.90	-5.71/-3.43	-1.72/-1.12	-1.51/-2.89	-4.80/-6.48	-7.77/-7.24	-5.54/-3.70	-2.91/-3.01	-5.25/-6.72	-4.76/-2.40	-1.38/-0.90	-1.26/-1.71	-1.82/-1.38	-0.80/-0.67	-0.92/-0.80	-2.44/-4.97
θ=40°	-2.74/-3.31	-4.72/-6.40	-7.72/-7.72	-5.58/-3.40	-2.27/-1.92	-2.03/-3.14	-5.10/-5.27	-4.49/-3.75	-2.57/-2.03	-1.95/-2.25	-3.89/-4.99	-2.44/0.28	1.47/0.75	-0.05/-0.70	-0.53/0.61	1.15/1.03	0.21/0.06	-0.39/-1.51
θ=50°	-0.44/-1.64	-3.03/-5.31	-4.92/-4.16	-3.33/-2.56	-3.29/-3.99	-4.51/-4.09	-6.19/-9.11	-5.89/-2.92	-0.86/-0.83	-1.65/-1.88	-2.89/-3.22	-0.71/1.75	2.43/1.44	0.94/1.07	0.45/0.73	1.45/1.30	-0.06/-1.33	0.09/0.05
θ=60°	-0.83/-1.68	-3.98/-4.28	-3.32/-1.51	-1.86/-1.31	-2.00/-3.52	-4.51/-6.61	-5.90/-3.86	-4.34/-3.69	-0.67/-0.63	-1.50/-1.78	-3.50/-2.65	-0.70/0.94	1.26/-0.32	-0.82/-0.33	-1.63/-2.92	-2.09/-2.04	-1.86/-1.43	-0.46/-0.24
θ=70°	-1.99/-2.50	-4.01/-3.58	-1.94/-1.89	-1.70/-1.34	-1.99/-3.31	-5.19/-6.02	-8.16/-10.21	-10.45/-4.53	-1.49/-1.19	-1.87/-2.01	-4.68/-3.87	-1.77/-0.39	-0.07/-1.49	-1.66/-1.02	-3.83/-3.12	-2.05/-1.40	-1.67/-1.97	-1.50/-1.26
θ=80°	-4.68/-4.24	-4.66/-3.82	-1.60/-2.40	-2.04/-1.93	-2.86/-4.52	-5.65/-6.54	-8.14/-14.74	-12.64/-6.44	-3.80/-2.77	-3.30/-3.66	-5.60/-4.12	-4.36/-2.91	-0.67/-2.13	-1.89/-1.31	-4.92/-5.87	-3.69/-3.59	-4.26/-2.65	-3.28/-3.75
θ=90°	-7.80/-5.30	-4.95/-4.77	-2.20/-3.90	-3.40/-3.22	-4.31/-5.99	-8.28/-8.64	-8.77/-12.97	-12.86/-7.81	-6.17/-5.60	-5.22/-4.27	-8.01/-5.87	-7.61/-4.13	-1.61/-3.65	-1.95/-2.09	-5.41/-5.99	-3.60/-4.59	-8.85/-4.34	-5.04/-6.84
θ=100°	-9.12/-6.75	-5.74/-5.77	-4.35/-5.50	-4.52/-4.22	-5.86/-8.18	-10.43/-10.17	-10.77/-16.11	-12.24/-9.16	-7.31/-7.72	-6.96/-5.80	-9.30/-8.32	-10.86/-7.65	-4.04/-4.88	-2.75/-4.73	-5.80/-7.40	-6.85/-6.84	-14.07/-8.97	-8.10/-9.09
θ=110°	-8.86/-8.10	-6.72/-6.18	-6.96/-7.65	-6.26/-6.58	-6.84/-9.39	-10.40/-11.21	-10.04/-16.94	-12.13/-10.45	-8.49/-8.33	-8.01/-7.46	-9.87/-9.78	-10.44/-11.63	-8.16/-8.20	-5.90/-9.64	-6.89/-12.47	-13.60/-12.62	-12.26/-11.39	-13.84/-9.67
θ=120°	-8.79/-8.67	-8.40/-6.52	-7.42/-8.29	-8.02/-9.62	-9.56/-10.18	-10.42/-10.03	-10.20/-15.40	-12.38/-11.70	-11.11/-10.74	-10.16/-8.91	-8.43/-13.89	-15.44/-15.79	-10.20/-10.44	-9.56/-10.60	-10.41/-11.19	-15.44/-14.17	-9.46/-14.51	-11.42/-10.12
θ=130°	-7.41/-8.35	-9.77/-9.93	-8.82/-8.57	-6.12/-7.91	-9.40/-9.96	-10.39/-11.60	-13.40/-14.31	-15.90/-13.96	-11.23/-14.32	-10.55/-10.10	-9.66/-14.56	-14.67/-15.23	-11.03/-11.33	-7.01/-9.43	-10.39/-7.07	-8.88/-11.41	-10.50/-12.30	-12.56/-10.29
θ=140°	-12.29/-11.77	-12.34/-11.61	-10.64/-10.19	-10.05/-12.12	-14.11/-14.24	-16.38/-16.11	-13.59/-13.60	-15.77/-15.27	-15.05/-13.80	-14.52/-12.26	-12.76/-13.59	-15.82/-13.40	-15.89/-15.15	-15.85/-15.15	-16.91/-14.22	-15.97/-14.22	-11.97/-14.22	-8.99/-12.93
θ=150°	-12.06/-15.44	-15.10/-12.10	-11.68/-14.97	-14.48/-12.92	-12.02/-14.24	-16.38/-16.11	-13.59/-13.60	-15.77/-15.27	-15.05/-13.80	-14.44/-13.11	-11.67/-14.31	-14.51/-15.46	-14.51/-15.46	-15.58/-14.71	-11.79/-10.84	-12.09/-14.74	-12.32/-12.77	-10.31/-11.21
θ=160°	-14.11/-15.08	-14.97/-15.15	-14.24/-13.33	-13.99/-14.11	-14.30/-14.66	-15.08/-15.24	-14.47/-15.32	-15.27/-15.12	-14.96/-14.91	-15.44/-14.09	-13.51/-12.65	-11.76/-12.59	-12.37/-14.47	-15.26/-14.20	-13.44/-13.86	-15.33/-15.42	-15.81/-14.56	-15.85/-15.69
θ=170°	-15.26/-16.43	-15.87/-15.26	-15.91/-15.35	-15.15/-14.39	-14.37/-15.68	-15.18/-15.91	-14.84/-14.45	-15.18/-15.04	-15.30/-15.13	-13.97/-12.57	-11.29/-10.96	-11.71/-13.93	-15.43/-15.48	-15.67/-15.52	-15.52/-15.14	-16.19/-16.04	-14.67/-14.57	-14.02/-14.25
θ=180°	-14.62/-15.91	-14.99/-16.03	-16.37/-15.49	-14.21/-14.42	-14.89/-14.74	-15.22/-15.19	-15.66/-15.49	-16.06/-15.58	-15.98/-15.55	-15.73/-15.32	-14.71/-15.07	-15.31/-14.62	-14.38/-14.42	-14.61/-15.02	-15.61/-15.83	-15.41/-15.67	-15.37/-15.82	-15.51/-15.72
Freq[Hz]	5.3G/PoL	Total/Ant. 1	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(10°)	Φ(20°)/Φ(30°)	Φ(40°)/Φ(50°)	Φ(60°)/Φ(70°)	Φ(80°)/Φ(90°)	Φ(100°)/Φ(110°)	Φ(120°)/Φ(130°)	Φ(140°)/Φ(150°)	Φ(160°)/Φ(170°)	Φ(180°)/Φ(190°)	Φ(200°)/Φ(210°)	Φ(220°)/Φ(230°)	Φ(240°)/Φ(250°)	Φ(260°)/Φ(270°)	Φ(280°)/Φ(290°)	Φ(300°)/Φ(310°)	Φ(320°)/Φ(330°)	Φ(340°)/Φ(350°)
θ=0°	-1.03/-0.96	-1.06/-0.96	-0.98/-0.93	-0.85/-1.00	-1.22/-1.28	-1.23/-1.33	-1.56/-1.41	-1.28/-1.26	-1.17/-1.17	-1.02/-0.95	-0.74/-0.66	-0.73/-0.89	-1.02/-1.22	-1.24/-1.02	-1.04/-1.02	-1.09/-1.16	-1.11/-1.10	-1.20/-1.28
θ=10°	-1.69/-1.19	-0.93/-0.50	-0.83/-1.20	-1.27/-1.42	-1.71/-2.25	-2.56/-2.97	-3.76/-3.82	-2.96/-2.27	-2.24/-2.31	-2.41/-2.46	-2.59/-2.52	-2.67/-2.62	-2.82/-3.14	-3.02/-2.43	-3.24/-1.87	-2.07/-2.28	-2.46/-2.21	-1.85/-1.74
θ=20°	-2.12/-3.46	-2.45/-1.93	-1.82/-1.96	-1.95/-2.05	-1.99/-2.58	-2.86/-4.28	-4.36/-6.71	-8.84/-6.78	-4.61/-3.49	-3.04/-2.89	-3.44/-4.83	-5.87/-5.39	-4.08/-3.15	-2.85/-3.02	-2.77/-2.29	-2.22/-2.66	-3.12/-4.12	-5.54/-6.05
θ=30°	-4.53/-4.27	-3.29/-3.43	-4.77/-4.83	-3.79/-2.35	-1.34/-1.02	-1.61/-2.73	-4.05/-5.68	-7.16/-6.97	-4.89/-3.04	-1.60/-1.58	-3.39/-5.81	-6.03/-3.38	-1.99/-1.77	-1.71/-1.55	-1.11/-0.52	-0.24/-0.49	-0.72/-1.37	-2.39/-3.86
θ=40°	-1.51/-1.95	-2.71/-4.15	-6.67/-6.69	-5.02/-3.71	-3.36/-2.68	-2.29/-2.72	-3.90/-3.88	-3.92/-3.71	-2.67/-2.09	-1.89/-1.38	-1.62/-2.84	-3.32/-1.56	0.50/0.25	-0.48/-0.77	-0.55/0.40	0.94/0.37	-0.41/-0.61	-0.04/-0.97
θ=50°	0.01/-1.41	-3.18/-5.46	-5.16/-3.42	-2.15/-2.06	-2.83/-3.16	-3.33/-4.71	-3.86/-1.22	-1.42/-2.01	-1.30/-1.06	-1.92/-1.72	-1.58/-2.51	-1.37/0.87	2.77/1.76	1.13/1.50	0.90/1.18	1.86/1.45	-2.15/-2.87	0.62/0.50
θ=60°	-1.00/-2.25	-4.11/-4.55	-3.09/-1.75	-1.34/-0.99	-1.38/-1.98	-3.29/-4.89	-9.16/-10.35	-7.59/-5.46	-2.14/-1.91	-2.56/-1.80	-2.29/-2.05	-1.38/0.10	1.59/0.89	-0.01/0.32	-0.70/-0.33	0.26/0.06	-0.44/-0.88	0.24/0.55
θ=70°	-3.14/-4.08	-5.01/-4.12	-1.53/-1.44	-1.14/-1.14	-1.79/-2.46	-3.63/-5.29	-7.44/-14.03	-12.48/-7.39	-3.31/-2.31	-3.13/-2.29	-3.49/-3.50	-2.11/-0.93	0.93/0.22	-1.61/-0.57	-2.40/-1.66	-1.43/-1.31	-1.43/-1.12	-0.37/-0.90
θ=80°	-5.11/-5.49	-6.01/-4.58	-1.57/-1.88	-2.17/-2.64	-3.53/-4.22	-6.20/-6.61	-6.48/-11.07	-15.17/-9.97	-5.39/-3.52	-3.41/-2.88	-5.52/-5.60	-4.32/-3.29	-0.18/-1.41	-3.04/-2.22	-6.09/-5.20	-2.34/-2.01	-4.12/-2.52	-1.89/-2.23
θ=90°	-7.01/-5.79	-6.00/-5.00	-2.30/-2.92	-2.71/-3.30	-4.57/-5.43	-7.63/-7.56	-8.28/-8.83	-14.67/-10.80	-6.25/-5.14	-5.14/-3.96	-8.39/-6.69	-6.80/-4.39	-0.75/-2.47	-2.74/-2.80	-7.24/-6.41	-2.66/-3.39	-6.32/-4.20	-4.80/-5.66
θ=100°	-8.81/-6.60	-6.17/-5.12	-3.37/-4.81	-4.32/-4.92	-6.00/-7.58	-11.62/-9.64	-10.27/-11.75	-15.27/-11.23	-8.24/-7.43	-6.32/-4.96	-6.63/-8.37	-8.81/-8.27	-3.31/-2.97	-2.74/-4.15	-6.42/-5.61	-10.07/-7.70	-6.39/-11.04	-10.07/-7.75
θ=110°	-8.87/-7.91	-7.30/-6.52	-6.00/-6.50	-5.71/-6.49	-6.98/-9.27	-12.27/-12.09	-10.63/-14.92	-11.54/-14.01	-9.83/-9.75	-7.42/-5.64	-6.97/-8.64	-8.61/-10.32	-6.41/-6.57	-6.64/-10.22	-9.80/-11.00	-10.76/-9.75	-13.23/-8.81	-10.74/-9.75
θ=120°	-6.81/-7.42	-8.59/-7.51	-7.95/-8.93	-9.28/-9.52	-10.06/-9.23	-9.73/-9.57	-9.64/-12.98	-13.76/-16.43	-12.31/-11.29	-8.76/-8.54	-7.60/-16.02	-12.80/-14.42	-7.67/-10.06	-11.07/-13.05	-14.96/-13.23	-14.36/-10.43	-7.68/-15.70	-11.10/-9.77
θ=130°	-5.33/-8.47	-10.27/-7.28	-7.90/-9.06	-8.64/-8.71	-9.20/-9.75	-9.66/-9.70	-10.51/-15.27	-13.61/-11.13	-11.99/-14.48	-10.47/-11.40	-9.13/-16.32	-14.83/-15.19	-11.62/-11.46	-8.61/-10.04	-10.86/-6.26	-6.13/-10.55	-9.00/-13.48	-12.95/-9.60
θ=140°	-10.71/-10.19	-13.59/-10.32	-9.38/-9.54	-9.37/-8.66	-9.68/-12.13	-13.37/-12.19	-12.41/-11.34	-7.92/-7.81	-8.41/-13.38	-13.27/-15.58	-16.50/-13.12	-14.75/-13.71	-15.50/-14.91	-13.70/-12.97	-15.07/-8.65	-11.36/-15.98	-12.03/-16.09	-10.78/-14.59
θ=150°	-13.86/-13.73	-13.24/-12.96	-13.70/-14.05	-13.28/-12.08	-11.48/-12.11	-12.78/-13.81	-14.07/-13.01	-12.02/-12.09	-14.25/-12.63	-13.34/-12.12	-10.79/-13.67	-14.53/-13.00	-13.57/-15.77	-15.34/-15.41	-15.31/-12.54	-15.02/-15.41	-12.40/-12.38	-10.66/-11.93
θ=160°	-15.56/-15.77	-14.21/-14.77	-13.99/-13.67	-13.31/-13.71	-14.34/-14.64	-14.08/-13.62	-15.02/-15.14	-14.73/-13.99	-14.19/-13.95	-13.39/-11.86	-12.00/-11.88	-10.28/-10.96	-12.08/-14.48	-15.36/-15.12	-15.37/-15.55	-15.31/-15.21	-14.99/-14.88	-14.89/-15.06
θ=170°	-15.48/-15.17	-15.36/-15.34	-13.83/-13.17	-13.42/-14.51	-15.31/-15.21	-14.11/-14.80	-15.68/-15.81	-15.78/-15.36	-15.40/-15.15	-13.93/-11.33	-9.89/-9.68	-9.94/-11.00	-12.71/-15.54	-15.27/-15.33	-15.41/-15.41	-14.79/-15.73	-15.59/-16.02	-14.88/-15.34
θ=180°	-15.32/-15.39	-14.54/-14.57	-15.20/-14.74	-15.97/-14.53	-15.88/-15.47	-15.78/-15.00	-14.82/-15.69	-15.02/-15.50	-15.30/-15.50	-15.48/-14.32	-14.11/-14.57	-14.98/-14.96	-15.32/-15.70	-15.22/-15.39	-14.99/-14.91	-14.99/-15.53	-15.36/-16.04	-15.52/-15.47
Freq[Hz]	5.6G/PoL	Total/Ant. 1	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(10°)	Φ(20°)/Φ(30°)	Φ(40°)/Φ(50°)	Φ(60°)/Φ(70°)	Φ(80°)/Φ(90°)	Φ(100°)/Φ(110°)	Φ(120°)/Φ(130°)	Φ(140°)/Φ(150°)	Φ(160°)/Φ(170°)	Φ(180°)/Φ(190°)	Φ(200°)/Φ(210°)	Φ(220°)/Φ(230°)	Φ(240°)/Φ(250°)	Φ(260°)/Φ(270°)	Φ(280°)/Φ(290°)	Φ(300°)/Φ(310°)	Φ(320°)/Φ(330°)	Φ(340°)/Φ(350°)
θ=0°	-4.09/-4.13	-4.22/-4.23	-4.12/-4.03	-4.30/-4.21	-4.22/-4.62	-4.58/-4.48	-4.79/-4.72	-4.49/-4.46	-4.74/-4.78	-4.50/-4.64	-4.77/-4.92	-4.67/-4.22	-3.70/-3.82	-4.07/-4.28	-4.21/-4.16	-4.02/-4.19	-4.52/-4.44	-4.43/-4.13
θ=10°	-4.60/-0.26	-0.34/-0.29	-0.34/-0.44	-0.60/-0.73	-0.92/-1.31	-2.09/-3.16	-4.22/-5.51	-7.02/-7.66	-7.78/-7.15	-7.05/-7.81	-8.81/-8.56	-10.90/-12.30	-12.13/-11.50	-10.89/-9.95	-9.20/-7.75	-6.20/-4.73	-3.92/-2.24	-1.46/-0.83
θ=20°	-1.58/-1.12	-1.19/-1.55	-1.37/-1.03	-1.16/-1.12	-1.23/-2.08	-3.21/-4.86	-7.16/-9.95	-14.55/-14.73	-8.71/-5.27	-3.88/-3.82	-5.01/-7.13	-11.14/-14.25	-14.54/-13.35	-12.19/-10.10	-10.34/-12.43	-13.89/-11.43	-8.20/-5.28	-3.69/-2.42
θ=30°	-3.05/-3.32	-4.70/-5.57	-4.61/-4.13	-3.88/-4.91	-5.28/-4.08	-2.98/-2.81	-3.26/-2.98	-3.95/-4.71	-2.12/0.24	0.20/-1.88	-5.39/-5.85	-3.33/-2.36	-2.56/-2.91	-3.74/-4.06	-6.94/-4.84	-3.78/-4.87	-6.64/-7.58	-5.61/-3.28
θ=40°	-2.40/-5.32	-9.63/-6.78	-3.22/-2.13	-3.46/-5.88	-6.09/-4.66	-2.59/-2.72	-3.40/-2.13	-1.76/-0.92	2.13/3.43	3.37/1.30	-0.40/-0.86	1.26/1.29	0.08/-2.37	-5.38/-9.71	-6.70/-2.77	-1.67/-2.00	-3.05/-2.41	-2.31/-1.86
θ=50°	-6.56/-9.03	-11.39/-4.41	-1.29/-1.16	-2.48/-5.99	-3.45/-4.97	-3.70/-6.57	-5.55/-4.86	-4.46/-3.07	-2.48/-2.06	1.90/2.79	3.36/-0.66	2.08/2.09	2.46/-2.46	-1.48/-5.60	-5.97/-2.23	-1.07/-0.41	-1.40/-0.60	-2.00/-2.09
θ=60°	-9.96/-13.78	-13.49/-5.87	-2.39/-3.02	-6.00/-9.04	-4.42/-2.17	-3.59/-8.31	-8.88/-8.95	-4.39/-3.80	-0.19/2.69	2.30/-0.99	-0.30/0.93	1.29/1.38	-1.24/-3.05	-3.22/-0.99	-5.24/-5.15	-0.20/-2.09	-5.24/-5.06	-3.49/-4.92
θ=70°	-11.51/-15.16	-15.58/-8.92	-4.74/-4.94	-7.45/-11.83	-5.61/-3.62	-5.50/-10.30	-14.32/-10.46	-7.70/-5.63	0.21/-1.82	-1.66/-0.40	-0.56/-0.85	-1.91/-1.97	-2.04/-2.27	-1.19/0.66	1.16/-2.43	-2.07/-4.47	-6.61/-5.36	-5.05/-5.77
θ=80°	-10.04/-12.47	-15.72/-8.68	-6.04/-6.39	-9.34/-12.93	-8.48/-6.35	-9.74/-13.88	-10.85/-9.03	-3.50/-1.34	-2.61/-3.94	-3.41/-2.91	-3.46/-3.82	-2.86/-3.37	-3.89/-5.63	-5.28/-1.96	-4.43/-9.22	-8.98/-4.86	-6.83/-7.65	
θ=90°	-10.82/-13.70	-14.38/-9.89	-6.38/-8.42	-10.73/-12.83	-10.26/-8.66	-11.73/-13.32	-9.06/-7.07	-13.41/-12.06	-4.24/-3.00	-5.82/-5.99	-6.76/-5.24	-7.81/-4.63	-2.76/-4.51	-4.36/-2.36	-2.26/-3.82	-5.12/-9.89	-14.42/-8.02	-9.64/-5.96
θ=100°	-10.21/-13.33	-13.91/-10.56	-8.08/-9.87	-12.09/-12.42	-12.63/-11.05	-14.17/-14.87	-8.37/-6.37	-11.24/-13.89	-5.59/-5.01	-5.70/-4.62	-6.33/-6.36	-9.93/-6.88	-3.30/-2.07	-2.47/-1.04	-3.84/-3.65	-6.56/-15.31	-14.13/-9.63	-11.06/-11.26
θ=110°	-10.12/-13.14	-13.06/-10.36	-9.91/-11.46	-14.85/-14.16	-12.88/-13.95	-11.71/-11.53	-9.97/-7.75	-11.89/-13.17	-6.01/-6.46	-5.66/-4.15	-3.83/-7.10	-8.03/-9.25	-6.20/-2.96	-3.56/-2.70	-4.97/-5.68	-10.72/-14.65	-11.05/-8.69	-15.69/-9.89
θ=120°	-11.88/-12.50	-13.29/-12.02	-14.02/-14.60	-13.84/-13.21	-11.15/-12.46	-15.58/-16.04	-11.35/-11.22	-15.24/-15.57	-8.06/-5.80	-6.80/-6.86	-3.97/-8.02	-8.52/-11.76	-8.55/-6.89	-5.80/-7.23	-12.21/-13.94	-8.84/-11.43	-12.21/-13.90	-11.22/-11.18
θ=130°	-13.27/-10.92	-14.75/-15.83	-14.79/-15.53	-15.53/-13.63	-11.80/-12.19	-16.08/-14.85	-12.03/-12.64	-14.71/-13.05	-8.06/-6

θ (140°)	-10.68/-15.67	-14.75/-15.31	-15.27/-11.58	-10.10/-11.31	-11.77/-12.27	-13.24/-11.44	-11.31/-12.24	-12.45/-14.98	-15.65/-14.08	-14.55/-14.09	-13.76/-13.32	-13.81/-10.59	-15.24/-11.15	-10.01/-13.86	-12.16/-14.46	-14.78/-10.06	-11.97/-11.50	-12.47/-14.11
θ (150°)	-13.64/-12.96	-15.17/-15.81	-13.86/-11.64	-11.32/-14.02	-15.84/-14.29	-15.47/-14.69	-15.30/-12.69	-12.89/-15.08	-12.86/-10.72	-15.19/-14.42	-13.93/-14.17	-14.78/-15.54	-16.33/-15.33	-14.19/-15.16	-15.19/-15.85	-13.47/-13.65	-12.82/-14.93	-13.83/-13.12
θ (160°)	-15.78/-16.30	-15.67/-15.49	-15.49/-15.46	-15.28/-15.58	-14.65/-13.28	-13.84/-15.20	-15.00/-15.06	-16.21/-15.44	-15.13/-15.17	-14.86/-14.76	-15.74/-14.99	-15.22/-15.35	-15.14/-15.78	-13.51/-12.36	-12.09/-13.20	-13.89/-13.35	-14.03/-14.91	-15.71/-14.26
θ (170°)	-14.83/-14.89	-15.74/-15.16	-15.39/-15.43	-15.58/-15.19	-15.90/-14.95	-15.29/-15.09	-15.20/-15.71	-16.34/-14.82	-16.39/-15.58	-14.93/-15.73	-15.37/-15.25	-14.01/-14.07	-14.05/-14.88	-15.36/-15.07	-15.10/-16.23	-16.05/-14.97	-15.41/-15.04	-15.76/-15.11
θ (180°)	-15.72/-15.14	-15.25/-15.68	-15.00/-15.17	-15.43/-14.91	-14.57/-14.24	-14.72/-14.42	-14.21/-14.72	-14.57/-14.32	-14.73/-14.34	-14.58/-14.08	-14.09/-13.65	-14.89/-15.72	-15.16/-14.26	-14.08/-14.17	-14.73/-15.30	-15.16/-16.14	-16.31/-15.41	-15.54/-14.88
Freq(Hz)	5.785GHz	TotalAnt. 2	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(10°)	Φ(20°)/Φ(30°)	Φ(40°)/Φ(50°)	Φ(60°)/Φ(70°)	Φ(80°)/Φ(90°)	Φ(100°)/Φ(110°)	Φ(120°)/Φ(130°)	Φ(140°)/Φ(150°)	Φ(160°)/Φ(170°)	Φ(180°)/Φ(190°)	Φ(200°)/Φ(210°)	Φ(220°)/Φ(230°)	Φ(240°)/Φ(250°)	Φ(260°)/Φ(270°)	Φ(280°)/Φ(290°)	Φ(300°)/Φ(310°)	Φ(320°)/Φ(330°)	Φ(340°)/Φ(350°)
θ=0°	-4.23/-4.50	-4.39/-4.16	-4.28/-4.36	-4.24/-4.06	-4.07/-4.02	-3.95/-3.48	-3.59/-3.85	-4.01/-4.18	-4.27/-4.35	-4.49/-4.46	-4.69/-4.63	-4.46/-4.50	-4.19/-4.07	-4.46/-4.22	-4.22/-4.33	-4.38/-4.15	-4.46/-4.55	-3.91/-3.99
θ=10°	-9.45/-10.15	-9.59/-9.69	-9.93/-9.89	-9.96/-3.78	-2.73/-2.11	-1.67/-1.28	-1.04/-1.09	-1.38/-1.46	-1.49/-1.65	-1.83/-1.98	-2.42/-2.74	-2.79/-3.54	-4.81/-5.25	-5.62/-6.11	-6.44/-6.85	-7.14/-7.22	-7.43/-7.95	-8.11/-8.50
θ=20°	-7.00/-9.00	-10.04/-12.46	-11.61/-8.30	-5.98/-4.29	-3.08/-2.96	-2.95/-2.96	-2.53/-2.36	-2.64/-3.09	-3.35/-2.93	-2.18/-1.70	-1.56/-1.79	-1.84/-2.30	-3.24/-4.19	-4.80/-5.19	-5.48/-6.17	-6.27/-6.80	-6.42/-5.79	-6.24/-6.29
θ=30°	-12.63/-8.60	-7.30/-9.53	-11.36/-10.14	-6.89/-4.50	-4.74/-7.02	-7.22/-3.63	-1.53/-0.83	-1.30/-1.84	-3.46/-3.05	-2.10/-1.19	-0.31/-0.03	0.01/-0.47	-1.53/-2.48	-2.78/-3.23	-4.29/-6.76	-10.07/-11.59	-11.87/-12.13	-13.75/-13.98
θ=40°	-5.88/-4.61	-6.86/-8.20	-8.96/-9.40	-8.03/-7.05	-7.26/-7.37	-5.02/-1.13	0.99/1.99	1.51/0.53	-2.43/-4.29	-3.37/-0.42	0.68/-0.41	-1.06/-2.10	0.43/0.15	-0.93/-1.48	-2.03/-3.36	-6.63/-10.19	-11.06/-15.44	-13.29/-10.06
θ=50°	-4.84/-4.62	-6.35/-6.53	-9.31/-6.39	-5.21/-5.42	-6.82/-7.09	-2.88/0.31	1.68/3.12	3.76/2.67	-0.33/-3.52	-3.42/-0.01	1.73/0.79	-1.78/-0.66	0.30/-0.41	-1.02/-1.59	-1.58/-2.79	-5.42/-7.71	-7.68/-6.11	-7.54/-7.62
θ=60°	-4.12/-4.63	-6.32/-6.16	-4.81/-4.50	-4.84/-5.50	-5.85/-5.58	-2.82/-0.88	1.24/2.72	4.17/3.08	0.08/-2.46	-3.78/-1.85	0.62/0.65	-2.81/-3.51	-1.71/-1.74	-2.53/-3.11	-2.75/-3.43	-5.29/-7.05	-5.76/-4.72	-5.29/-4.82
θ=70°	-3.67/-3.69	-4.90/-5.22	-2.88/-3.02	-5.72/-7.06	-6.04/-4.83	-4.18/-2.93	-0.59/1.33	2.81/1.62	-1.59/-3.78	-5.17/-3.45	-1.87/-2.09	-3.68/-4.14	-3.10/-2.11	-1.67/-2.89	-2.94/-3.32	-6.25/-7.26	-6.05/-6.00	-5.43/-3.89
θ=80°	-3.01/-4.00	-4.96/-4.23	-2.51/-3.52	-6.10/-8.07	-5.75/-5.64	-6.62/-6.65	-4.02/-1.37	0.68/-0.31	-3.88/-7.96	-6.40/-4.68	-5.03/-5.88	-5.02/-4.56	-2.76/-3.13	-2.20/-1.74	-2.04/-2.72	-6.16/-7.25	-4.96/-6.03	-4.99/-3.46
θ=90°	-2.96/-4.79	-6.32/-4.32	-3.93/-3.99	-6.31/-7.45	-4.86/-6.98	-9.68/-11.71	-9.08/-5.05	-1.06/-2.12	-6.27/-10.75	-8.61/-7.31	-7.83/-8.73	-4.68/-4.27	-2.92/-4.95	-6.46/-3.16	-1.46/-2.57	-6.17/-7.68	-6.56/-7.87	-6.88/-4.19
θ=100°	-4.50/-6.66	-7.03/-5.22	-4.67/-4.60	-5.89/-7.76	-5.24/-8.16	-10.75/-13.90	-12.85/-8.21	-3.46/-4.75	-7.67/-14.10	-11.58/-13.56	-9.34/-12.91	-6.75/-8.31	-6.30/-4.04	-10.65/-10.61	-4.50/-5.62	-5.23/-6.40	-6.38/-8.24	-9.73/-7.12
θ=110°	-5.63/-6.41	-8.46/-8.42	-5.87/-6.28	-6.41/-5.68	-5.86/-9.96	-11.23/-9.83	-9.97/-7.97	-6.87/-9.86	-7.77/-15.25	-12.37/-14.95	-11.19/-12.40	-10.88/-10.79	-10.76/-4.92	-8.07/-9.46	-9.57/-8.26	-8.25/-7.43	-5.87/-8.21	-10.33/-9.11
θ=120°	-5.03/-4.36	-10.22/-10.92	-6.59/-7.29	-8.02/-7.80	-8.19/-9.11	-8.14/-8.71	-7.02/-7.00	-8.93/-8.53	-7.62/-9.69	-8.84/-11.93	-13.83/-15.33	-12.42/-9.03	-13.11/-9.84	-3.92/-3.93	-8.77/-12.04	-11.48/-7.37	-10.01/-14.72	-9.79/-6.75
θ=130°	-6.93/-9.66	-11.86/-9.43	-9.10/-9.13	-10.11/-11.73	-10.24/-8.29	-7.83/-6.43	-9.66/-11.69	-11.86/-10.29	-10.43/-12.81	-12.14/-10.37	-11.08/-14.94	-7.81/-7.70	-8.24/-12.35	-10.71/-9.17	-7.09/-12.02	-11.10/-13.64	-7.81/-9.45	-8.68/-8.16
θ=140°	-8.48/-11.64	-9.43/-11.15	-12.09/-11.94	-10.27/-13.05	-12.19/-10.99	-12.42/-13.74	-13.86/-13.64	-13.36/-15.64	-15.48/-12.81	-12.48/-12.17	-12.60/-14.78	-12.20/-8.83	-10.26/-9.32	-9.06/-13.09	-13.60/-14.61	-14.64/-11.46	-14.41/-13.13	-10.16/-10.93
θ=150°	-13.43/-11.78	-13.32/-13.52	-15.01/-12.53	-10.96/-12.75	-13.97/-12.69	-15.13/-15.59	-16.31/-15.03	-15.51/-14.33	-15.48/-8.53	-15.36/-13.88	-12.29/-14.76	-10.46/-12.21	-13.51/-9.90	-7.63/-8.70	-14.15/-12.60	-9.91/-10.23	-11.53/-12.82	-11.05/-11.91
θ=160°	-14.94/-15.35	-14.77/-15.73	-15.19/-13.71	-13.57/-15.39	-15.49/-13.42	-12.84/-14.74	-15.19/-15.07	-14.84/-15.01	-13.19/-13.90	-15.18/-15.28	-15.45/-15.33	-15.37/-15.39	-15.55/-15.29	-13.69/-12.76	-13.77/-13.52	-13.62/-14.35	-14.45/-14.92	-15.17/-14.16
θ=170°	-14.84/-15.58	-15.06/-16.09	-15.74/-15.20	-15.44/-14.28	-13.87/-13.92	-14.19/-15.96	-15.09/-15.66	-15.58/-15.41	-14.54/-14.86	-15.64/-15.15	-15.00/-14.83	-15.18/-14.83	-15.19/-14.78	-15.93/-15.65	-15.62/-15.34	-14.98/-15.43	-14.66/-14.83	-14.58/-14.82
θ=180°	-15.52/-15.19	-14.97/-15.25	-15.01/-15.69	-16.22/-14.96	-15.68/-14.44	-14.71/-15.17	-14.70/-14.31	-14.84/-15.05	-15.91/-14.71	-14.09/-14.46	-14.31/-14.80	-15.63/-14.94	-15.49/-14.47	-14.63/-14.76	-14.81/-14.99	-15.58/-15.75	-14.89/-15.29	-15.45/-15.63

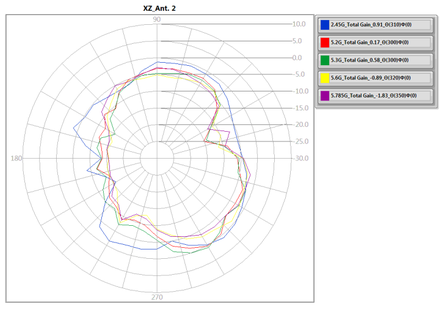
E1(XY plane) – Θ(90)Φ(0-360)
E2(XZ plane) – Θ(0-180)Φ(0) and Θ(0-180)Φ(180)
E3(YZ plane) – Θ(0-180)Φ(90) and Θ(0-180)Φ(270)



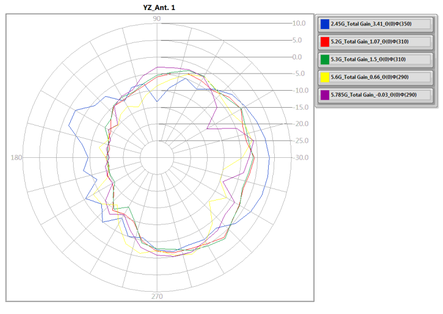




XZ_Ant. 2



YZ_Ant. 1



YZ_Ant. 2