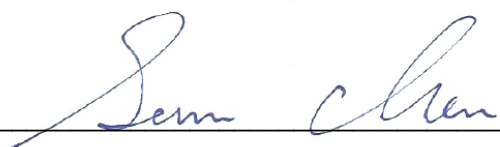


Antenna Composite Gain Test Report

FCC ID	LDK-9160S2579
Equipment	Catalyst Wireless 9166D1 Series Wi-Fi 6E Access Point
Brand Name	CISCO
Model Name	CW9166D1-B, CW9166D1-MR
Applicant	Cisco Systems Inc 125 West Tasman Drive San Jose California United States 95134-1706
Manufacturer	Cisco Systems Inc 125 West Tasman Drive San Jose California United States 95134-1706
Sample Received	Jan. 17, 2023
Start Test Date	Jan. 17, 2023
Final Test Date	Jan. 18, 2023



Approved by: Sam Chen

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History of this test report

[illegible]

1. Operation Mode and Antenna Information

Antenna Position	Brand Name	Model Name	Ant. Type	Connector	Modes of Operation
2G5G Ant1	CISCO	95XEAM15.G04 WIFI 2/5G_4	Dipole	I-PEX	2.4GHz, 5GHz UNII 1~3
2G5G Ant2	CISCO	95XEAM15.G03 WIFI 2/5G_3	Dipole	I-PEX	2.4GHz, 5GHz UNII 1~3
2G5G Ant3	CISCO	95XEAM15.G02 WIFI 2/5G_2	Dipole	I-PEX	2.4GHz, 5GHz UNII 1~3
2G5G Ant4	CISCO	95XEAM15.G01 WIFI 2/5G_1	Dipole	I-PEX	2.4GHz, 5GHz UNII 1~3
5GH6G Ant1	CISCO	95XEAM15.G05 WIFI 5/6G_1	Dipole	I-PEX	5GHz UNII 2C~3, 6GHz
5GH6G Ant2	CISCO	95XEAM15.G06 WIFI 5/6G_2	Dipole	I-PEX	5GHz UNII 2C~3, 6GHz
5GH6G Ant3	CISCO	95XEAM15.G07 WIFI 5/6G_3	Dipole	I-PEX	5GHz UNII 2C~3, 6GHz
5GH6G Ant4	CISCO	95XEAM15.G08 WIFI 5/6G_4	Dipole	I-PEX	5GHz UNII 2C~3, 6GHz

Note1:

Antenna Position	Port								
	R1: WLAN 2.4GHz			R1: WLAN 5GHz UNII 1~3			R2: WLAN 5GHz UNII 2C~3/ WLAN 6GHz		
	1TX	2TX	4TX	1TX	2TX	4TX	1TX	2TX	4TX
2G5G Ant1	-	-	3	-	-	3	-	-	-
2G5G Ant2	-	2	2	-	2	2	-	-	-
2G5G Ant3	1	1	1	1	1	1	-	-	-
2G5G Ant4	-	-	4	-	-	4	-	-	-
5GH6G Ant1	-	-	-	-	-	-	-	2	2
5GH6G Ant2	-	-	-	-	-	-	1	1	1
5GH6G Ant3	-	-	-	-	-	-	-	-	3
5GH6G Ant4	-	-	-	-	-	-	-	-	4

Note2: R means Radio.

2.4GHz and 5GHz Operation Mode (1TX, 2TX, 4TX/4RX)

For 1TX

Only 2G5G Ant3 can be use as transmitting antenna.

For 2TX

Only 2G5G Ant2 and 2G5G Ant3 can be use as transmitting antenna.

2G5G Ant2 and 2G5G Ant3 could transmit simultaneously.

For 4TX

2G5G Ant1~4 can be used as transmitting/receiving antenna.

2G5G Ant1~4 could transmit/receive simultaneously.

5GHz UNII 2C~3 and 6GHz Operation Mode (1TX, 2TX, 4TX/4RX)

For 1TX

Only 5GH6G Ant2 can be use as transmitting antenna.

For 2TX

Only 5GH6G Ant1 and 5GH6G Ant2 can be use as transmitting antenna.

5GH6G Ant1 and 5GH6G Ant2 could transmit simultaneously.

For 4TX

5GH6G Ant1~4 can be used as transmitting/receiving antenna.

5GH6G Ant1~4 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
5925-6425	6175
6425-6525	6475
6525-6875	6695
6875-7125	6995

3. Testing Location

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
Radiated	05CH03-HY	Rex Liao	23-24 / 50-55	Jan. 17, 2023 ~ Jan. 18, 2023

Note:

Testing Site Information

Brand Name: TDK

Dimension: 11m*6m*6m

Characteristic: Fully Anechoic Chamber

4. Test Facility and Configuration

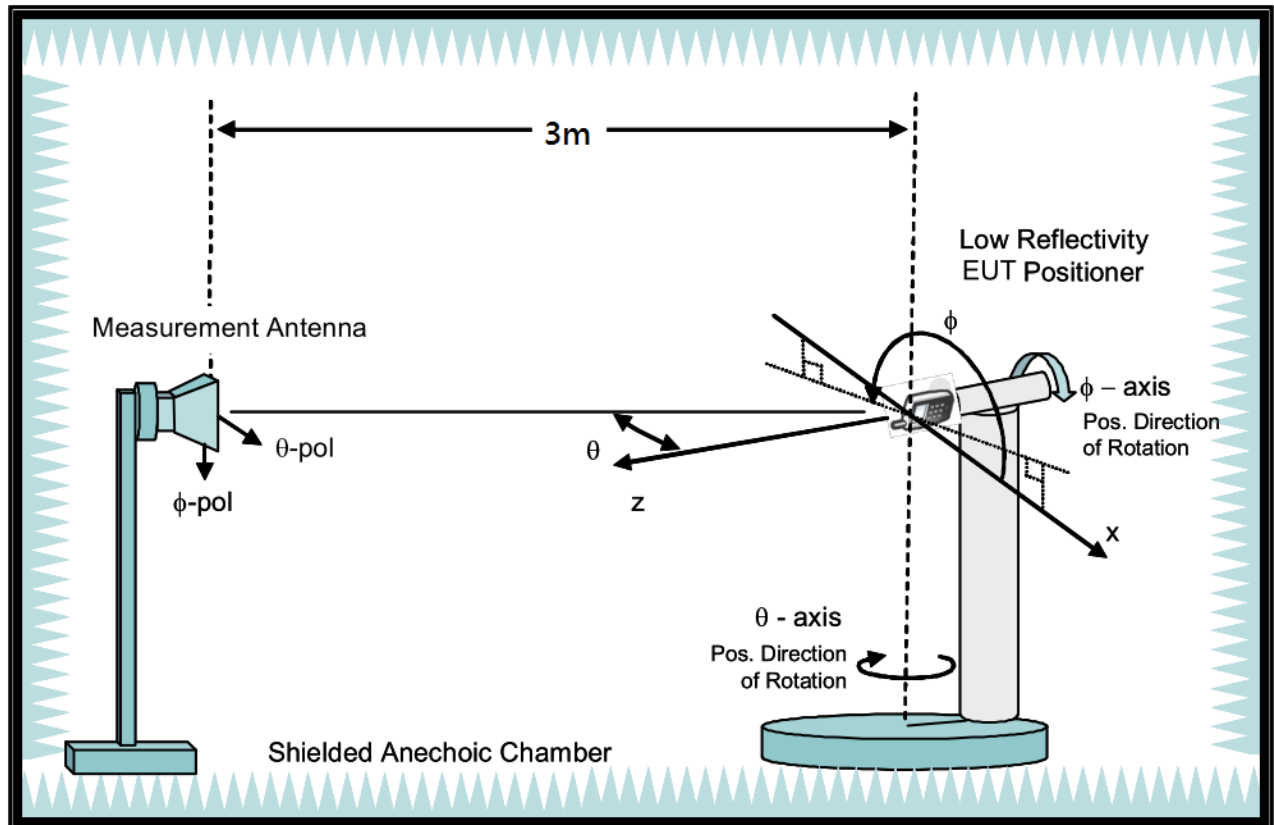
Test configuration: Reference to CITA OTA distributed-axes system configuration.

Chamber: Fully Anechoic Chamber.

Measurement antenna: Dual Polarization Horn antenna

Turntable: Multi-axis positioner (Theta and Phi angle).

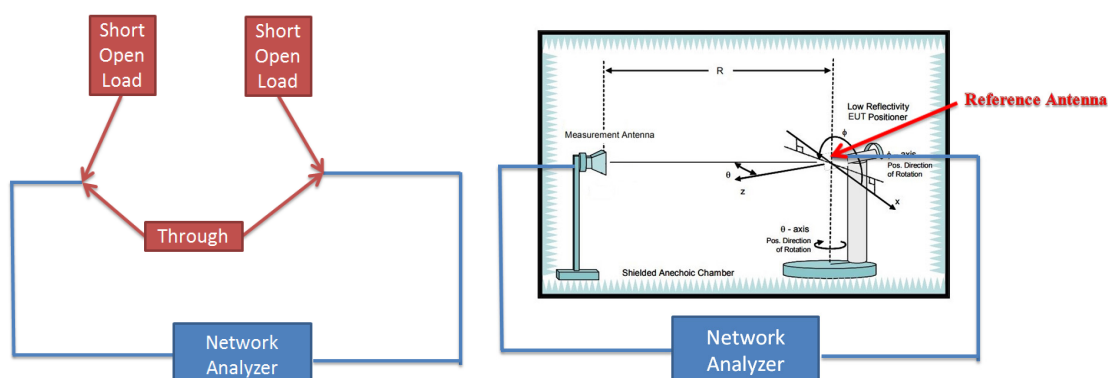
#Reference to CTIA “ctia-test-plan-for-wireless-device-over-the-air-performance-ver-3-7-1”



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	7200
G(theta) reading (dB)	-33.55	-33.27	-32.92	-32.91	-32.73	-32.02	-32.67	-32.82	-32.98	-33.18	-32.8	-33.92	-34.62	-35.57
G(phi) reading (dB)	-33.15	-32.7	-32.41	-32.61	-32.43	-31.72	-32.37	-32.51	-32.52	-32.66	-32.5	-33.62	-34.32	-35.48
Reference gain (dBi)	10.1	10.4	10.7	12.5	12.7	13.5	13.4	13.3	13.3	13.2	13.4	12.5	12.1	11.4
Factor(theta) (dB)	43.65	43.67	43.62	45.41	45.43	45.52	46.07	46.12	46.28	46.38	46.2	46.42	46.72	46.97
Factor(phi) (dB)	43.25	43.1	43.11	45.11	45.13	45.22	45.77	45.81	45.82	45.86	45.9	46.12	46.42	46.88

Note:

$$G \text{ reading (dB)} = 20 \cdot \log(V_2/V_1) = 10 \cdot \log(P_2/P_1)$$

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.

$$\text{Factor} = \text{gain factor} + \text{power gain conversion} = (\text{Reference antenna gain}) - (G \text{ reading})$$

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 7.5 degree from 0 to 352.5 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

For 2G5G Ant1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 2 (dBi)	0.63	1.99	2.05	2	1.93
Ant. 3 (dBi)	4	2.03	0.61	-0.05	0.99
DG [1SS] (dBi)	5.49	5.02	4.37	4.05	4.48
Polarization	Phi	Phi	Phi	Theta	Theta
$\Theta(^{\circ})$	0	30	30	0	0
$\Phi(^{\circ})$	270	270	262.5	172.5	180

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. 2 [$10^{(G/20)}$]	$10^{(0.63/20)}$	$10^{(1.99/20)}$	$10^{(2.05/20)}$	$10^{(2/20)}$	$10^{(1.93/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(4/20)}$	$10^{(2.03/20)}$	$10^{(0.61/20)}$	$10^{(-0.05/20)}$	$10^{(0.99/20)}$
Ant. 2 [$10^{(G/20)}$] value	1.075	1.257	1.266	1.259	1.249
Ant. 3 [$10^{(G/20)}$] value	1.585	1.263	1.073	0.994	1.121
Sum All Antenna [Amax]	2.66	2.521	2.339	2.253	2.37
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	5.49	5.02	4.37	4.05	4.48

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

For 4TX

DG_1SS max value position

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	4.53	1.99	2.16	-0.66	1.74
Ant. 2 (dBi)	0.99	2.24	1.91	2	1.93
Ant. 3 (dBi)	1.57	0.61	0.4	-0.05	0.99
Ant. 4 (dBi)	3.2	2.99	1.21	1.93	1.25
DG [1SS] (dBi)	8.71	8.02	7.47	6.91	7.51
Polarization	Phi	Phi	Phi	Theta	Theta
$\Theta(^{\circ})$	0	37.5	30	0	0
$\Phi(^{\circ})$	172.5	7.5	90	172.5	180

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 [$10^{(G/20)}$]	$10^{(4.53/20)}$	$10^{(1.99/20)}$	$10^{(2.16/20)}$	$10^{(-0.66/20)}$	$10^{(1.74/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(0.99/20)}$	$10^{(2.24/20)}$	$10^{(1.91/20)}$	$10^{(2/20)}$	$10^{(1.93/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(1.57/20)}$	$10^{(0.61/20)}$	$10^{(0.4/20)}$	$10^{(-0.05/20)}$	$10^{(0.99/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(3.2/20)}$	$10^{(2.99/20)}$	$10^{(1.21/20)}$	$10^{(1.93/20)}$	$10^{(1.25/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.685	1.257	1.282	0.927	1.222
Ant. 2 [$10^{(G/20)}$] value	1.121	1.294	1.246	1.259	1.249
Ant. 3 [$10^{(G/20)}$] value	1.198	1.073	1.047	0.994	1.121
Ant. 4 [$10^{(G/20)}$] value	1.445	1.411	1.149	1.249	1.155
Sum All Antenna [Amax]	5.449	5.035	4.725	4.429	4.746
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	8.71	8.02	7.47	6.91	7.51

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

For 5GH6G Ant1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 (dBi)	4.57	3.63	3.29	4.07	5.83	4.46
Ant. 2 (dBi)	4.72	6.36	3.7	2.3	3.31	6.2
DG [1SS] (dBi)	7.66	8.11	6.51	6.24	7.67	8.38
Polarization	Phi	Theta	Theta	Phi	Phi	Phi
$\Theta(^{\circ})$	15	7.5	15	0	7.5	7.5
$\Phi(^{\circ})$	270	187.5	180	180	82.5	90

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)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(4.57/20)}$	$10^{(3.63/20)}$	$10^{(3.29/20)}$	$10^{(4.07/20)}$	$10^{(5.83/20)}$	$10^{(4.46/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(4.72/20)}$	$10^{(6.36/20)}$	$10^{(3.7/20)}$	$10^{(2.3/20)}$	$10^{(3.31/20)}$	$10^{(6.2/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.692	1.519	1.46	1.598	1.957	1.671
Ant. 2 [$10^{(G/20)}$] value	1.722	2.08	1.531	1.303	1.464	2.042
Sum All Antenna [Amax]	3.414	3.598	2.992	2.901	3.42	3.713
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	7.66	8.11	6.51	6.24	7.67	8.38

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) = $10 \cdot \log(10^{(G_{ant1}/20)} + 10^{(G_{ant2}/20)} + 10^{(G_{ant3}/20)} + 10^{(G_{ant4}/20)} + \dots)^{1/2} / N_{ant}$

For 4TX

DG_1SS max value position

Frequency (Hz)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 (dBi)	4.57	3.63	4.18	3.34	5.69	4.49
Ant. 2 (dBi)	4.72	6.36	0.16	3.04	2.91	4.69
Ant. 3 (dBi)	2.13	2.79	4.04	-0.15	4.93	4.82
Ant. 4 (dBi)	3.91	4.34	3.78	5.02	3.36	4.77
DG [1SS] (dBi)	9.91	10.4	9.21	9.03	10.32	10.71
Polarization	Phi	Theta	Theta	Phi	Theta	Phi
$\Theta(^{\circ})$	15	7.5	22.5	0	7.5	0
$\Phi(^{\circ})$	270	187.5	97.5	352.5	97.5	0

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)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(4.57/20)}$	$10^{(3.63/20)}$	$10^{(4.18/20)}$	$10^{(3.34/20)}$	$10^{(5.69/20)}$	$10^{(4.49/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(4.72/20)}$	$10^{(6.36/20)}$	$10^{(0.16/20)}$	$10^{(3.04/20)}$	$10^{(2.91/20)}$	$10^{(4.69/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(2.13/20)}$	$10^{(2.79/20)}$	$10^{(4.04/20)}$	$10^{(-0.15/20)}$	$10^{(4.93/20)}$	$10^{(4.82/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(3.91/20)}$	$10^{(4.34/20)}$	$10^{(3.78/20)}$	$10^{(5.02/20)}$	$10^{(3.36/20)}$	$10^{(4.77/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.692	1.519	1.618	1.469	1.925	1.677
Ant. 2 [$10^{(G/20)}$] value	1.722	2.08	1.019	1.419	1.398	1.716
Ant. 3 [$10^{(G/20)}$] value	1.278	1.379	1.592	0.983	1.764	1.742
Ant. 4 [$10^{(G/20)}$] value	1.569	1.648	1.545	1.782	1.472	1.732
Sum All Antenna [Amax]	6.261	6.625	5.774	5.653	6.56	6.866
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	9.91	10.4	9.21	9.03	10.32	10.71

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

8. Summary of Test Result

For 2G5G Ant1~4:

For 2TX

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 2 Max Gain (dBi)	4.11	4.59	4.32	4.02	4.45
Ant. 3 Max Gain (dBi)	5.46	4.55	3.8	3.49	3.89
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/225	Phi/30/45	Phi/22.5/52.5	Theta/7.5/135	Phi/37.5/45
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/300	Phi/37.5/142.5	Phi/30/127.5	Theta/7.5/225	Phi/37.5/315
Max Gain (dBi)	5.46	4.59	4.32	4.02	4.45
DG [1SS] (dBi)	5.49	5.02	4.37	4.05	4.48
DG [2SS] (dBi)	5.46	4.59	4.32	4.02	4.45

For 4TX

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.57	5.21	4.46	4.78	5.2
Ant. 2 Max Gain (dBi)	4.11	4.59	4.32	4.02	4.45
Ant. 3 Max Gain (dBi)	5.46	4.55	3.8	3.49	3.89
Ant. 4 Max Gain (dBi)	6.55	4.84	4.48	3.62	5.02
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/7.5/322.5	Phi/30/142.5	Phi/22.5/135	Theta/0/232.5	Phi/37.5/127.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/225	Phi/30/45	Phi/22.5/52.5	Theta/7.5/135	Phi/37.5/45
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/300	Phi/37.5/142.5	Phi/30/127.5	Theta/7.5/225	Phi/37.5/315
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/45	Phi/30/52.5	Phi/30/45	Phi/37.5/45	Phi/37.5/225
Max Gain (dBi)	6.57	5.21	4.48	4.78	5.2
DG [1SS] (dBi)	8.71	8.02	7.47	6.91	7.51
DG [2SS] (dBi)	6.57	5.21	4.48	4.78	5.2
DG [4SS] (dBi)	6.57	5.21	4.48	4.78	5.2

Note:

1. Directional Gain (2SS) = Directional Gain (1SS) – 3dB. If directional gain is less than max gain, use max gain as directional gain. Refer to KDB662911D01 (F) (2) (e) (ii)
2. Directional Gain (4SS) = Directional Gain (1SS) – 6dB. If directional gain is less than max gain, use max gain as directional gain. Refer to KDB662911D01 (F) (2) (e) (ii)
3. Each antenna max gain is the max value of measurement G of theta and phi through all measurement angles.
4. The max gain is the max value of all antennas.

For 5GH6G Ant1~4:

For 2TX

Freq(Hz)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	7.48	6.28	6.49	5.9	7.49	7.42
Ant. 2 Max Gain (dBi)	7.11	8.01	6	4.87	7.65	8.32
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/315	Theta/15/315	Theta/22.5/315	Phi/7.5/217.5	Theta/7.5/135	Theta/15/135
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/7.5/217.5	Theta/15/225	Phi/7.5/315	Theta/22.5/217.5	Theta/7.5/45	Theta/0/45
Max Gain (dBi)	7.48	8.01	6.49	5.9	7.65	8.32
DG [1SS] (dBi)	7.66	8.11	6.51	6.24	7.67	8.38
DG [2SS] (dBi)	7.48	8.01	6.49	5.9	7.65	8.32

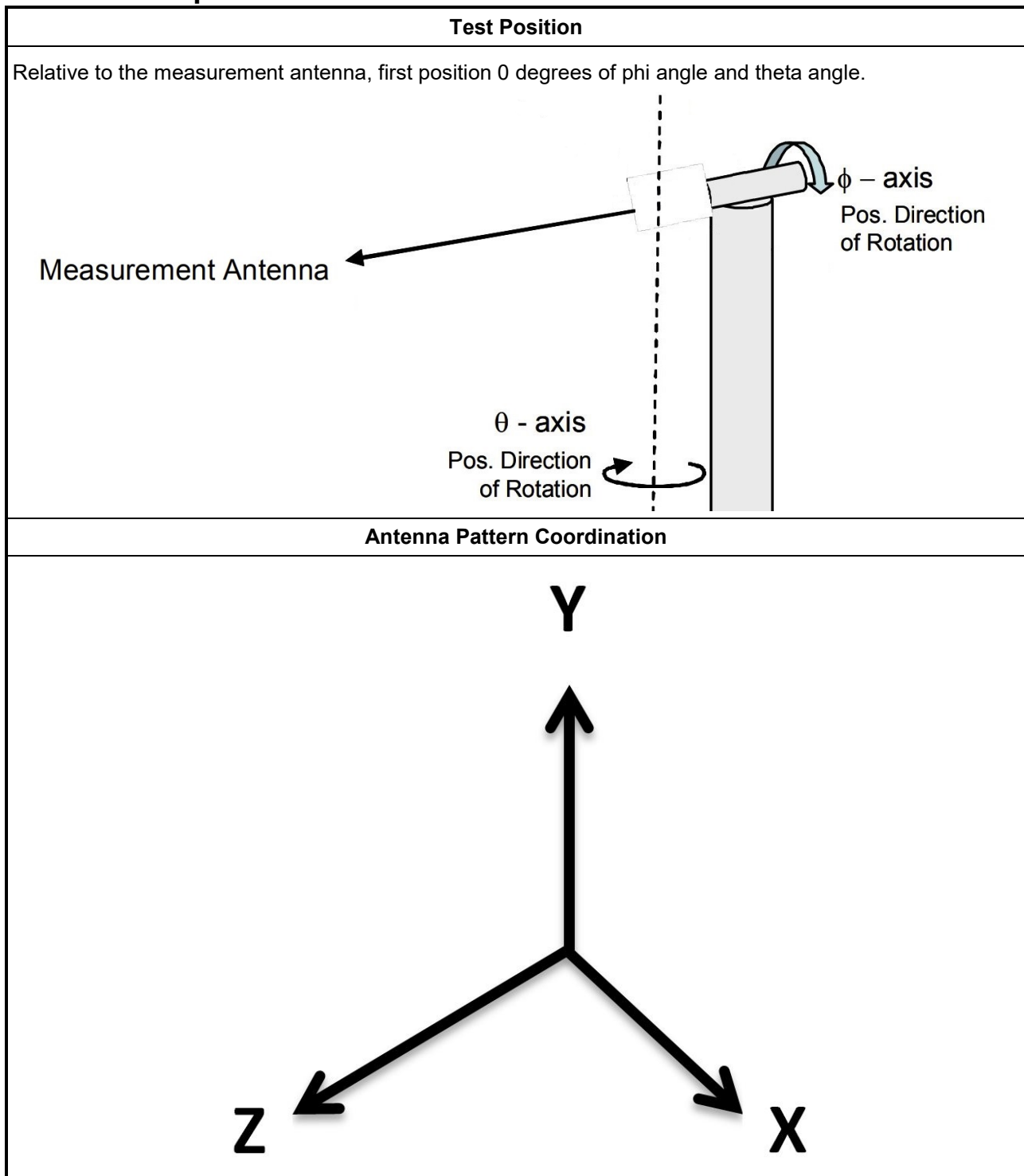
For 4TX

Freq(Hz)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	7.48	6.28	6.49	5.9	7.49	7.42
Ant. 2 Max Gain (dBi)	7.11	8.01	6	4.87	7.65	8.32
Ant. 3 Max Gain (dBi)	7.24	6.68	5.88	4.86	7.37	7.26
Ant. 4 Max Gain (dBi)	6.57	7.32	6.34	7.31	6.46	6.82
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/315	Theta/15/315	Theta/22.5/315	Phi/7.5/217.5	Theta/7.5/135	Theta/15/135
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/7.5/217.5	Theta/15/225	Phi/7.5/315	Theta/22.5/217.5	Theta/7.5/45	Theta/0/45
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/22.5/135	Theta/30/142.5	Theta/15/315	Phi/7.5/52.5	Phi/7.5/37.5	Theta/15/127.5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/22.5/45	Theta/15/45	Phi/0/315	Phi/0/307.5	Theta/30/60	Phi/0/142.5
Max Gain (dBi)	7.48	8.01	6.49	7.31	7.65	8.32
DG [1SS] (dBi)	9.91	10.4	9.21	9.03	10.32	10.71
DG [2SS] (dBi)	7.48	8.01	6.49	7.31	7.65	8.32
DG [4SS] (dBi)	7.48	8.01	6.49	7.31	7.65	8.32

Note:

- Directional Gain (2SS) = Directional Gain (1SS) – 3dB. If directional gain is less than max gain, use max gain as directional gain. Refer to KDB662911D01 (F) (2) (e) (ii)
- Directional Gain (4SS) = Directional Gain (1SS) – 6dB. If directional gain is less than max gain, use max gain as directional gain. Refer to KDB662911D01 (F) (2) (e) (ii)
- Each antenna max gain is the max value of measurement G of theta and phi through all measurement angles.
- The max gain is the max value of all antennas.

9. Test Setup



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-1543	1GHz~18GHz	May 31, 2022	May 30, 2023
Dual Polarization Horn Antenna	Sporton	S0209DP	S0209DP-001	2GHz~9GHz	N.C.R.	N.C.R.
ENA Series Network Analyzer	AGILENT	E5071C	MY46419201	100kHz~8.5GHz	Feb. 21, 2022	Feb. 20, 2023
VNA Calibration Kit	TS RF	TS85033E-F	-	DC~9GHz	N.C.R.	N.C.R.
Multi-axis positioner	Sporton	MAPS01	MAPS01-001	Theta / Phi axis	N.C.R.	N.C.R.
Test Software	SPORTON	SENSE-RDG	V1.0.8	-	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.

Appendix A – Radiated Composite Gain of 2.4GHz, 5GHz UNII-1~UNII-3-2TX(Radio 1).....	Page 18
Appendix B – Radiated Composite Gain of 2.4GHz, 5GHz UNII-1~UNII-3-4TX(Radio 1).....	Page 22
Appendix C – Radiated Composite Gain of 5GHz U-NII 2C~3 and 6GHz-2TX(Radio 2).....	Page 36
Appendix D – Radiated Composite Gain of 5GHz U-NII 2C~3 and 6GHz-4TX(Radio 2).....	Page 40
Appendix E – Antenna Pattern of 2.4GHz, 5GHz UNII-1~UNII-3(Radio 1).....	Page 56
Appendix F – Antenna Pattern of 5GHz U-NII 2C~3 and 6GHz(Radio 2).....	Page 63
Appendix G – Test Photos.....	Page 71



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Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 2 Max Gain (dBi)	4.11	4.59	4.32	4.02	4.45
Ant. 3 Max Gain (dBi)	5.46	4.55	3.8	3.49	3.89
Ant. 2 Polarization/θ(°)/Φ(°)	Phi/0/225	Phi/30/45	Phi/22.5/52.5	Theta/7.5/135	Phi/37.5/45
Ant. 3 Polarization/θ(°)/Φ(°)	Phi/0/300	Phi/37.5/142.5	Phi/30/127.5	Theta/7.5/225	Phi/37.5/315
Max Gain (dBi)	5.46	4.59	4.32	4.02	4.45
DG [1SS] (dBi)	5.49	5.02	4.37	4.05	4.48
DG [2SS] (dBi)	5.46	4.59	4.32	4.02	4.45



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-2TX(Radio 1)

Appendix A

DG 1SS Result

Freq(Hz)	2.45GPol.	PhiL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	4.24/3.96	3.45/2.74	1.74/1.78	2.72/3.45	4.02/4.44	4.74/4.94	5.02/4.88	4.57/4.2	3.83/3.64	3.72/4.03	4.31/4.48	4.47/4.3	3.96/3.3	2.86/2.12	1.47/2.15	3.19/3.98	4.58/4.99	5.27/5.43	5.49/5.33	5.06/4.68	4.22/3.86	3.87/4.07	4.27/4.39	4.42/4.38
Θ(7.5°)	3.71/3.42	2.96/2.23	1.29/1.58	2.88/3.49	4.25/4.5	4.86/5.28	5.26/5.29	4.99/4.57	4.07/3.64	3.49/3.76	4.08/4.28	4.34/1.7	3.87/3.37	2.73/1.97	1.48/1.89	2.82/3.52	4.04/4.37	4.54/4.61	4.58/4.43	4.19/3.82	3.45/3.21	3.3/3.52	3.7/3.8	3.84/3.82
Θ(15°)	2.54/2.3	1.78/1.06	0.10/0.4	1.13/2.11	2.74/3.2	3.6/3.97	4.27/4.36	4.21/4.04	3.5/2.89	2.55/2.76	3.11/3.38	3.55/3.54	3.36/3.14	2.73/2.17	1.4/1.39	2.04/2.71	3.17/3.41	3.48/3.43	3.24/2.97	2.63/2.24	1.79/1.53	1.74/2.12	2.36/2.46	2.52/2.62
Θ(22.5°)	1.16/0.67	0.12/-0.48	-1.2/-1.3	-0.27/0.92	1.7/2.18	2.55/2.88	3.16/3.36	3.39/3.18	2.73/2.12	1.79/2.08	2.48/2.7	2.8/2.84	2.16/1.78	2.18/2.79	3.21/3.35	2.71/2.38	3.21/3.35	3.29/3.04	2.71/2.38	2.11/1.83	1.4/2.1	1.37/1.92	2.12/2.03	1.79/1.53
Θ(30°)	0.34/-0.32	-0.54/-0.49	-0.56/-0.53	0.49/1.43	2.06/2.52	2.54/2.47	2.42/2.39	2.32/2.27	1.72/1.05	0.83/1.27	1.58/1.6	1.49/1.33	1.47/1.82	2.19/2.39	2.29/2	2.14/2.7	3.16/3.33	3.27/3.04	2.82/2.7	2.71/2.7	2.47/1.84	1.71/2.48	2.76/2.55	2.04/1.26
Θ(37.5°)	0.74/0.26	0.22/0.57	0.86/1.29	1.98/2.67	2.97/2.85	2.48/2.39	2.39/2.49	2.21/1.46	0.5/-0.14	0.39/0.76	0.62/-0.03	-0.69/-1.01	-0.60/36	1.26/1.74	1.68/1.33	1.56/2.25	2.74/2.91	2.89/2.79	2.69/2.61	2.62/2.7	2.59/2.07	1.89/2.38	2.73/2.54	2.08/1.42
Θ(45°)	1.15/0.98	0.9/1.1	0.93/1.02	1.75/2.51	2.66/2.01	2.08/2.94	3.56/3.52	2.75/1.47	0.77/0.8	1.16/0.92	0.02/-1.47	-2.5/-2.52	-1.64/-0.62	0.41/0.98	1.03/0.83	1.35/2.1	2.42/2.42	2.46/2.64	2.73/2.51	2.12/1.85	1.58/0.98	12.09	2.62/2.43	1.96/1.47
Θ(52.5°)	2.05/1.71	1.16/0.42	-0.49/-0.82	0.41/1.24	1.58/1.49	2.08/3.14	3.4/2.3	1.88/0.52	-0.01/0.1	-0.3/-0.49	-1.26/-2.91	-4.78/-5.13	-3.61/-2.01	-0.96/-0.29	0.05/0.21	0.91/4.2	1.24/0.74	0.77/1.51	2.04/1.94	1.54/1.26	0.85/0.14	0.48/2.01	2.95/3.14	2.85/2.44
Θ(60°)	2.81/2.43	1.51/0.1	-1.12/-0.74	0.29/0.87	1.25/0.32	0.07/1.12	1.69/1.12	0.06/0.9	-1.36/-1.44	-0.68/0.02	-0.39/-2.6	-7.7/-11.81	-7.52/-5.22	-3.39/-1.96	-0.98/-0.49	0.30/8.4	0.47/-0.77	-2.07/-2.07	-1.32/-1.01	-1.09/-0.61	-0.82/-1.59	-1.32/0.44	1.86/2.57	2.88/3
Θ(67.5°)	1.36/1.09	0.11/-1.01	-1.06/-0.54	0.06/0.45	0.35/-0.6	-1.06/0.42	0.98/0.5	-0.42/-1.02	-1.1/-0.24	0.43/0.56	-0.38/-3.16	-6.48/-5.68	-4.31/-3.37	-3.18/-3.24	-2.48/-2.09	-0.84/-0.05	-0.33/-1.68	-3.19/-3.43	-2.48/-1.93	-2.05/-2.65	-3.41/-3.62	-2.24/-0.91	-0.12/0.2	0.57/1.11
Θ(75°)	-0.04/-0.58	-1.73/-3.35	-4.28/-4.13	-3.51/-2.78	-2.57/-3.28	-3.75/-2.71	-2.25/-3.12	-4.9/-5.28	-3.74/-3.48	-3.71/-3.9	-4.76/-2.77	-10.39/-9.61	-8.05/-6.68	-5.9/-6.1	-5.44/-4.59	-3.02/-1.85	-1.84/-3	-4.45/-4.54	-3.52/-2.34	-2.48/-3.54	-3.86/-3.29	-1.8/-0.51	0.21/0.34	0.15/0.12
Θ(82.5°)	-0.82/-1.45	-2.93/-4.87	-5.57/-5.68	-5.54/-4.26	-3.49/-3.54	-4.28/-4.34	-4.25/-4.74	-5.07/-4.75	-4.44/-4.28	-5.32/-5.42	-6.05/-8.49	-11.08/-11.1	-9.9/-7.17	-6.15/-6.91	-7.47/-6.34	-4.39/-2.95	-2.71/-3.77	-5.47/-5.51	-4.64/-3.46	-3.64/-4.83	-5.51/-5.35	-4.73/-3.26	-2.11/-1.47	-1.09/-0.9
Θ(90°)	-3.21/-3.37	-4.3/-5.23	-5.41/-5.41	-5.3/-4.76	-4.5/-4.68	-4.83/-4.85	-4.57/-6.48	-7.17/-1.71	-5.83/-6.34	-8.62/-10.71	-11.61/-13.2	-15.89/-12.23	-11.03/-10.53	-10.51/-9.64	-7.9/-7.36	-6.85/-5.87	-5.24/-5.76	-5.77/-4.37	-3.68/-4.41	-4.63/-5.85	-6.93/-7.76	-6.78/-5.5	-4.46/-3.94	-3.58/-3.46
Θ(97.5°)	-4.71/-5.29	-6.6/-8.18	-8.35/-8.31	-8.59/-8.14	-7.74/-7.42	-7.26/-6.77	-6.33/-7.05	-6.83/-6.59	-6.12/-7.4	-11.16/-15.5	-14.54/-15.52	-14.58/-12.53	-14.74/-15.84	-12.94/-8.58	-7.46/-8.33	-9.51/-9.36	-8.7/-9.23	-9.03/-8.27	-7.33/-6.41	-5.44/-6.07	-8.01/-8.58	-6.81/-5.7	-5.17/-5.02	-4.62/-4.46
Θ(105°)	-7.44/-7.29	-7.23/-7.89	-8.38/-8.54	-9.04/-9.54	-10.03/-10.18	-10.01/-9.7	-9.26/-10.16	-12.61/-13	-10.53/-11.19	-14.82/-15	-12.49/-12.49	-12.19/-11.46	-13.32/-15.51	-11.81/-8.77	-7.89/-8.43	-8.42/-8.57	-8.74/-8.36	-8.38/-9.84	-12.52/-10.25	-6.8/-6.14	-7.27/-6.42	-4.7/-4.36	-4.79/-5.72	-6.57/-6.94
Θ(112.5°)	-8.4/-9.72	-10.84/-11.65	-11.14/-10.08	-9.17/-7.8	-6.81/-5.83	-5.04/-4.48	-4.63/-5.98	-8.8/-11.4	-11.56/-12.96	-15.54/-13.45	-11.72/-11.95	-10.73/-10.12	-11.48/-14.21	-11.57/-9.36	-8.38/-9.96	-11.79/-11.82	-10.77/-10.79	-10.52/-10.15	-10.7/-10.24	-8.49/-7.96	-9.64/-10.11	-7.77/-6.98	-7.24/-7.72	-7.86/-7.82
Θ(120°)	-5.88/-7.59	-10.44/-12.11	-11.62/-8.46	-6.21/-5.16	-5.04/-5.16	-5.47/-6.42	-8.06/-9.99	-12.04/-9.96	-8.3/-8.9	-9.39/-8.48	-8.67/-10.99	-14.62/-13.58	-13.59/-13.8	-15.76/-12.41	-9.63/-9.52	-8.63/-5.9	-3.85/-3.55	-5.06/-8.25	-12.23/-11.25	-8.06/-7.19	-8.62/-11.9	-11.44/-10.24	-8.95/-7.56	-6.08/-5.27
Θ(127.5°)	-3.13/-3.92	-4.25/-4.87	-6.96/-9.41	-11.52/-12.37	-11.68/-11.32	-10.52/-11	-11.24/-13.5	-14.79/-13.92	-12.58/-12.55	-11.21/-8.89	-9.74/-10.57	-9.99/-10.84	-12.94/-10.11	-9.15/-11.04	-11.26/-7.56	-4.89/-4.26	-5.6/-8.44	-6.59/-6.94	-9.84/-13.47	-9.71/-12.57	-15.54/-11.49	-8.73/-6.48	-4.42/-3.13	
Θ(135°)	-10.4/-9.26	-6.12/-4.13	-3.42/-3.87	-4.78/-5.54	-6.19/-6.83	-7.87/-9.88	-12.36/-14.54	-12.07/-8.91	-7.67/-8.27	-10.04/-11.68	-12.75/-14.79	-15.27/-14.85	-14.57/-14.73	-12.72/-9.98	-9.06/-9.68	-10.43/-8.35	-6.61/-6.48	-8.55/-13.82	-13.36/-7.62	-3.81/2.04	-1.77/-2.73	-4.81/-7.88	-10.21/-12.74	-14.87/-11.73
Θ(142.5°)	-13.81/-12.73	-9.1/-6.9	-6.1/-6.35	-7.42/-9.01	-11.18/-13.08	-14.11/-14.95	-11.9/-8	-5.3/-0.43	-3.89/-4.94	-7.33/-11.1	-13.67/-13.67	-10.62/-8.96	-9.1/-10.42	-11.05/-10.93	-9.63/-8.39	-6.74/-4.99	-3.82/-3.73	-4.98/-7.44	-10.49/-7.4	-4.03/-2.04	-1.33/-1.6	-2.63/-1.49	-6.18/-8.66	-11.91/-14.5
Θ(150°)	-8.13/-8.43	-7.75/-7.61	-8.44/-10.47	-12.89/-15.11	-14.37/-12.52	-10.08/-8.08	-6.41/-5.1	-4.51/-4.62	-5.79/-8.5	-13.27/-15.25	-12.93/-10.67	-7.36/-6.89	-8.03/-9.67	-11.65/-11.47	-10.37/-8.95	-4.72/-6.11	-5.32/-5.18	-5.99/-9.18	-12.14/-14.15	-11.59/-7.2	-7.48/-7.35	-7.9/-8.82	-10.93/-9.83	
Θ(157.5°)	-6.33/-6.78	-7.64/-8.66	-9.61/-11.71	-14.08/-13.61	-12.15/-10.89	-8.9/-7.58	-6.96/-6.97	-7.67/-9.28	-12.48/-14.94	-14.79/-11.53	-9.02/-8.08	-8.11/-8.95	-10.40/-10.52	-10.25/-9.53	-8.76/-8.32	-8.37/-9.04	-9.82/-10.43	-11.79/-12.94	-14/-13.1	-12.17/-11.52	-11.88/-11.2	-10.54/-9.59	-8.4/-7.29	-6.54/-6.22
Θ(165°)	-6.11/-6.47	-7.34/-8.56	-10.01/-10.94	-11.77/-12.13	-11.83/-10.11	-10.34/-10.33	-11.27/-11.74	-13.54/-16.18	-13.98/-11.92	-9.33/-8.11	-8.11/-8.72	-10.41/-12.04	-12.74/-11.31	-10.06/-9.34	-9.2/-9.51	-10.1/-10.16	-9.64/-8.84	-8.35/-8.47	-8.81/-7.05	-10.08/-10.54	-10.10/-8.66	-9.56/-8.57	-7.04/-6.21	
Θ(172.5°)	-3.84/-7.96	-8.05/-8.38	-8.71/-8.66	-8.5/-8.54	-8.94/-9.56	-10.59/-11.74	-12.79/-12.88	-12.44/-10.75	-9.12/-8.02	-7.69/-8.09	-9.23/-11.41	-14.85/-15.22	-15.66/-13.64	-10.83/-9.18	-7.92/-7.01	-6.59/-6.51	-5.05/-4.59	-4.18/-3.91	-4.02/-4.56	-5.81/-5.77	-8.63/-10.06	-11.16/-12.05	-11.86/-10.96	-10.74/-9.19
Θ(180°)	-15.15/-13.19	-11.66/-10.49	-9.39/-8.21	-7.04/-6.31	-6.09/-6.37	-6.66/-6.83	-6.8/-6.73	-6.81/-6.83	-6.87/-7.14	-8/-9.79	-12.54/-14.58	-15.28/-14.52	-12.04/-8.94	-7.02/-5.89	-5.16/-4.68	-4.23/-3.79	-3.39/-3.05	-2.81/-2.79	-3.06/-3.57	-4.31/-5.28	-6.21/-7.18	-8.45/-10.24	-12.14/-13.92	-15.07/-15.22
Freq(Hz)	2.45GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	4.47/4.27	3.88/3.36	2.82/4.1	2.47/2.79	3.12/3.29	3.31/3.16	2.81/2.3	1.63/0.89	0.15/0.48	1.53/2.41	3.11/3.66	4.05/4.21	4.21/4.08	3.83/3.49	3.1/2.78	2.78/3.02	3.27/3.38	3.35/3.2	2.96/2.61	2.17/1.63	1.11/1.48	2.34/3.05	3.64/4.05	4.31/4.46
Θ(7.5°)	4.34/4.29	4.09/3.79	3.48/3.3	3.34/3.53	3.7/3.86	3.88/3.76	3.42/2.98	2.41/1.77	0.94/0.81	1.64/2.5	3.14/3.58	3.81/3.9	3.79/3.52	3.12/2.6	1.94/1.29	1.31/1.76	2.13/2.27	2.19/2	1.72/1.35	0.93/0.43	0.45/1.06	1.92/2.59	3.15/3.61	3.97/4.21
Θ(15°)	3.21/3.18	3.12/3.1	3.13/3.21	3.34/3.46	3.56/3.6	3.57/3.44	3.32/2.97	2.71/2.47	1.95/1.18	1.11/1.7	2.28/2.62	2.99/3.04	2.79/2.67	2.29/1.75	0.94/1.16	-0.56/0.13	0.70/0.93	0.86/0.62	0.27/0.12	-0.57/-0.52	-0.19/0.91	1.72/2.25	2.63/2.89	3.07/3.17
Θ(22.5°)	1.52/1.27	1.24/1.48	1.91/2.35	2.67/2.28	2.77/2.73	2.76/2.65	2.52/2.45	2.43/2.39	2.15/1.63	1.31/1.45	1.71/1.85	2.1/1.88	1.59/1.22	0.85/0.38	-0.29/-1.29	-1.84/-1.42	-0.77/-0.54	-0.57/-0.76	-1/-1.29	-1.56/-0.91	0.02/1.15	1.95/2.42	2.59/2.5	2.23/1.89
Θ(30°)	0.02/-0.16	-0.03/0.38	1.07/1.74	2.05/2.08	1.92/1.77	1.68/1.56	1.35/1.1	0.95/1.24	1.2/0.9	1/1.03	1.34/1.48	1.51/0.99	0.16/-0.96	-1.77/-1.94	-2.03/-4.22	-3.24/-3.5	-3.19/-2.99	-2.81/-5.28	-2.4/-2.43	-2.56/-2.11	-0.74/0.68	1.72/2.26	2.36/2.03	1.41/0.64
Θ(37.5°)	-0.88/-0.64	-0.45/0.01	0.83/1.54	1.92/1.83	1.55/1.17	1.01/0.93	0.63/0.44	0.42/0.66	1.0/0.98	0.52/0.02	0.01/0.07	-0.16/-0.66	-1.33/-3.64	-3.13/-3.28	-4.28/-5.34	-5.66/-5.43	-4.67/-3.85	-3.64/-3.64	-4.26/-3.64	-4.13/-3.83	-2.33/-0.64	0.62/1.24	1.21/1.07	-0.09/0.77
Θ(45°)	-1.3/-0.91	-0																						



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-2TX(Radio 1)

Appendix A

Θ(22.5°)	3.78/3.73	3.33/2.77	2.14/1.7	1.92/2.78	3.15/3.22	3.37/3.63	3.43/3.01	2.51/1.94	1.14/0.21	0.05/0.53	1.21/2.12	2.72/2.89	2.82/2.63	2.68/2.95	3.03/2.45	1.12/0.96	1.92/67	3.43/3.85	3.71/3.47	3.46/3.38	32/35	1.30/67	1.79/2.69	3.37/3.7
Θ(30°)	4.01/4	3.72/3.1	2.04/1.5	2.21/2.94	3.03/2.99	3.48/4.08	4.2/3.68	3.12/55	1.53/1.43	1.86/1.48	1.11/1.53	2.18/2.56	2.66/2.62	2.7/2.9	2.79/2.19	1.33/0.94	2.13/3.21	4.03/4.37	3.95/3.46	3.01/2.72	2.36/1.92	0.91/0.01	0.78/2.08	3.08/3.75
Θ(142.5°)	2.97/2.88	2.94/2.51	1.45/0.65	1.62/2.2	1.92/1.93	2.95/3.68	4.03/4.03	3.44/2.55	1.34/1.29	2.1/1.88	1.79/2.05	2.45/2.99	3.23/2.63	2.54/1.54	1.48/1.6	1.28/1.27	2.23/3.06	3.67/3.83	3.27/2.37	1.84/1.75	1.44/1.42	0.9/0.19	0.07/1.07	2.22/86
Θ(45°)	2.52/2.49	2.53/2.1	1.72/1.02	1.24/1.67	1.11/1.38	2.16/2.76	3.01/2.99	2.7/1.9	0.47/0.54	1.15/1.35	1.45/1.79	2.19/2.88	3.23/2.86	1.82/1.14	1.39/0.95	0.06/0.04	1.07/1.95	2.64/3.33	3.29/2.23	1.29/0.99	0.72/0.39	0.29/0.12	0.28/1.02	2.15/2.73
Θ(52.5°)	2.35/2.32	2.19/1.68	1.39/1.18	0.92/0.76	0.64/0.93	1.23/1.89	2.24/1.69	0.98/0.71	-0.18/-0.63	-0.97/-1.12	-0.49/0.38	1.15/1.66	1.68/1.33	0.84/0.06	-0.97/-2.22	-2.58/-1.37	0.09/1.28	2.15/2.79	2.72/1.98	1.28/1.1	0.7/0.33	0.05/0.07	0.56/0.93	1.88/2.6
Θ(60°)	1.86/1.45	1.20/1.78	0.84/0.49	0.2/0	0.22/0.41	0.49/1.8	2.1/1.54	0.94/0.16	-2.23/-3.93	-5.15/-4.38	-2.19/0.05	1.22/1.22	0.69/0.96	0.83/-0.63	-3.33/-4.68	-5.87/-4.31	-2.15/-0.01	1.02/1.54	1.62/1.13	0.21/0.44	-0.9/0.24	0.36/0.61	1.28/1.92	
Θ(67.5°)	0.42/-0.18	0.39/0.15	-0.17/-0.85	-1.19/-1.26	-0.53/-0.27	-0.44/1.35	1.54/1.54	1.46/0.09	-2.8/-4.93	-4.89/-3.92	-0.81/62	2.23/1.29	0.65/1.02	0.67/-0.97	-3.63/-4.7	-4.33/-3.27	-1.83/0.32	1.02/1.03	0.07/-0.37	-0.08/-0.45	-1.04/-1.86	-2.04/-1.48	-0.61/-0.42	-0.56/0.38
Θ(75°)	-1.7/-2.34	-1.18/-0.91	-1.43/-2.46	-2.93/-2.94	-1.61/-1.21	-1.95/-0.63	0.14/1.08	0.59/-0.56	-2.38/-3.86	-3.85/-4.13	-1.21/1.08	1.54/0.55	-0.13/0.07	-0.21/-2.1	-3.64/-6.7	-4.22/-2.65	-1.03/0.39	0.53/-0.31	-1.4/-1.8	-0.91/-1.1	-2.85/-3.61	-4.12/-3.34	-2.08/-1.9	-2.37/-1.7
Θ(82.5°)	-3.31/-4.14	-2.68/-2.42	-3.09/-4.45	-5.09/-4.99	-3.33/-2.87	-3.43/-1.95	-1.3/-0.29	-0.96/-2.08	-4.28/-5.1	-5.48/-5.57	-3.09/-0.92	-0.36/-1.83	-2.03/-2.37	-2.37/-4.04	-5.55/-6.33	-6.06/-3.86	-1.52/-0.75	-1.38/-1.59	-2.97/-2.85	-2.02/-2.58	-4.68/-5.66	-6.13/-5.35	-4.33/-3.92	-4.98/-3.76
Θ(90°)	-5.6/-6.07	-4.27/4.12	-4.85/-6.02	-6.84/-6.71	-5.34/-4.87	-5.66/-5.12	-3.98/-2.79	-3.32/4.33	-6.16/-7.04	-8.03/-8.77	-6.32/-3.91	-3.03/-4.53	-4.37/-5.68	-4.75/-6.19	-8.14/-8.87	-8.48/-6.73	-3.16/-2.35	-3.61/-4.16	-5.32/-4.95	-4.02/-4.5	-7.34/-8.11	-8.24/-7.63	-6.51/-5.86	-7.39/-5.88
Θ(97.5°)	-7.78/-8.03	-6.43/-6.26	-7.22/-7.38	-7.89/-7.69	-6.95/-6.85	-6.25/-7.63	-5.67/-5.05	-6.04/-6.22	-9.12/-9.5	-10.64/-10.76	-8.61/-7.93	-6.19/-6.99	-7.13/-9.34	-10.87/-11.1	-11.81/-8.87	-6.5/-5.74	-7.42/-7.04	-7.55/-7.76	-6.18/-7.43	-9.34/-9.67	-9.92/-9.89	-8.49/-7.3	-9.32/-8.43	
Θ(105°)	-1.02/0.937	-7.59/-7.57	-9.59/-9.31	-9.56/-9.54	-8.6/-9.07	-8.7/-9.74	-7.38/-7.91	-7.37/-8.73	-11.51/-12.18	-12.52/-11.94	-10.73/-10.19	-10.63/-11.57	-8.34/-8.94	-9.28/-12.38	-12.55/-13.13	-12.62/-12.15	-13.9/-12.7	-10.69/-11.38	-9.02/-9.19	-10.69/-11.38	-10.39/-9.62	-9.47/-10.02	-11.14/-9.98	
Θ(112.5°)	-13.29/-10.35	-10.3/-9.05	-10.49/-11.07	-10.98/-10.43	-9.73/-10.47	-11.86/-12.18	-10.16/-10.63	-8.95/-10.57	-13.02/-14.69	-12.59/-12.27	-13.17/-13.05	-12.74/-12.66	-10.3/-9.36	-10.17/-14.42	-14.09/-14.81	-13.16/-10.87	-14.39/-15.19	-14.3/-13.54	-11.2/-9.78	-9.73/-9	-10.46/-11.16	-12.02/-10.23	-9.34/-11.31	-11.12/-12.49
Θ(120°)	-13.37/-12.22	-12.05/-11.51	-10.75/-10.89	-11.4/-10.92	-10.75/-10.18	-11.89/-15.21	-13.43/-12.1	-10.65/-13.05	-15.06/-16.26	-12.89/-12.9	-14.26/-14.12	-13.14/-13.49	-12.07/-12.64	-12.4/-16.07	-15.7/-16.04	-13.63/-13.39	-13.6/-10.53	-10.61/-10.71	-10.63/-10.67	-12.33/-14.87	-13.71/-11.66	-10.52/-12.54	-14.25/-12.46	
Θ(127.5°)	-15.05/-13.86	-13.04/-12.61	-12.96/-13.67	-13.75/-12.21	-11.62/-12.3	-13.18/-14.46	-14.51/-13.58	-12.9/-12.57	-15.09/-14.65	-13.63/-14.84	-15.09/-14.43	-12.92/-13.61	-14.14/-15.2	-12.22/-15.42	-12.47/-15.31	-13.34/-11.77	-11.73/-13.93	-15.07/-13.62	-15.25/-14.31	-12.73/-13.36	-15.63/-15.46	-15.42/-12.34	-12.15/-15.3	-15.16/-15.67
Θ(135°)	-15.2/-14.75	-13.04/-13.28	-13.2/-12.97	-12.79/-12.87	-13.8/-14.24	-15/-15.09	-15.13/-15.31	-14.03/-15.72	-15.9/-14.45	-13.33/-13.94	-14.29/-15.01	-13.72/-13.18	-14.12/-16.08	-15.13/-15.12	-15.27/-15.62	-14.97/-15.27	-15.82/-15.47	-15.95/-15.1	-16.15/-13.73	-12.4/-13.23	-13.85/-15.56	-13.23/-12.65	-11.85/-13.64	-15.22/-14.9
Θ(142.5°)	-15.86/-15.52	-15.41/-15.19	-14.72/-14.9	-12.95/-12.93	-14.14/-15.24	-14.73/-14.99	-14.68/-14.93	-15.93/-14.97	-14.98/-13.82	-16.23/-15.66	-15.48/-14.21	-16.07/-15.75	-16.02/-15.21	-15.04/-15.8	-15.42/-15.71	-13.34/-14.23	-15.27/-15.48	-15.24/-13.63	-13.91/-15.45	-12.63/-12.55	-13.19/-15.45	-15.99/-14.94	-15.37/-15.65	-15.13/-15.18
Θ(150°)	-16.23/-15.79	-15.46/-15.15	-12.88/-13.15	-14.46/-14.59	-13.85/-13.52	-15.93/-15.84	-15.34/-15.12	-16.34/-14.66	-15.08/-15.2	-14.88/-14.93	-15.53/-15.73	-15.05/-14.96	-15.63/-14.98	-15.44/-15.59	-14.77/-15.51	-15.33/-14.72	-16.12/-15.52	-15.08/-13.54	-15.35/-14.84	-15.35/-14.84	-15.37/-15.76	-15.59/-14.92	-15.29/-15.65	-14.96/-14.79
Θ(157.5°)	-15.48/-15.83	-15.57/-14.71	-15.69/-14.65	-14.79/-15.62	-15.19/-15.08	-15.34/-14.19	-14.04/-15.2	-14.57/-14.85	-15.23/-15.6	-14.78/-15.29	-15.67/-14.4	-14.68/-15.08	-15.09/-15.39	-14.68/-14.97	-15.25/-15.14	-15.79/-15.62	-16.08/-15.09	-15.48/-16.14	-15.2/-14.69	-14.96/-15.78	-15/-14.86	-13.81/-12.97	-14.77/-14.87	-14.78/-15.34
Θ(165°)	-15.36/-15.63	-15.54/-16.2	-16.06/-15.72	-15.62/-15.52	-14.87/-15.34	-15.57/-15.19	-15.81/-15.38	-15.37/-14.82	-14.6/-15.43	-15.45/-15.11	-15.26/-14.82	-15.91/-15.82	-15.41/-15.66	-15.09/-15.65	-16.06/-15.54	-15.23/-15.31	-15.16/-15.27	-15.03/-15.07	-14.69/-15.56	-14.7/-15.35	-16.28/-15.88	-15.98/-14.92	-15.33/-15.57	-15.31/-14.87
Θ(172.5°)	-15.59/-15.37	-14.84/-15.5	-15.37/-14.72	-15.29/-14.98	-16.06/-15.89	-16.14/-15.6	-14.48/-14.48	-15.26/-15.62	-15.47/-14.71	-15.07/-15.77	-14.68/-15.56	-15.09/-14.59	-14.94/-15.69	-15.3/-15.93	-15.37/-15.57	-15.05/-16.04	-15.46/-14.74	-15.44/-15.45	-15.55/-16.22	-15.43/-14.89	-13.96/-13.66	-14.21/-14.29	-14.46/-15.17	-14.93/-15.22
Θ(180°)	-15.04/-16.17	-15.1/-15.68	-15.4/-14.81	-14.97/-15.18	-15.27/-15.11	-15.48/-16	-15.69/-15.15	-15.14/-15.41	-15.67/-16.01	-15.29/-16.22	-15.8/-14.91	-14.78/-15.56	-15.63/-14.83	-14.88/-15.38	-15.51/-15.12	-15.22/-15.03	-15.36/-14.86	-14.8/-15.05	-14.9/-15.86	-14.8/-15.05	-14.9/-15.86	-15.57/-15.3	-15.47/-15.16	
Freq(Hz)	5.3GPol.	Theta-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	2.6/2.52	2.47/2.32	1.97/1.41	0.91/0.97	1.55/1.94	2.24/2.49	2.56/2.47	2.41/2.2	1.66/0.86	0.17/0.36	1.23/1.89	2.46/2.97	3.28/3.35	3.17/2.78	2.29/1.61	0.93/1.16	1.66/2.16	2.64/3.02	3.15/3.05	2.58/1.95	1.29/0.54	0.19/0.31	1.24/1.95	2.39/2.57
Θ(7.5°)	3.55/3.23	2.95/2.67	2.22/1.6	0.6/0.14	0.48/1.14	1.48/1.97	2.33/2.36	2.15/1.94	1.73/1.3	0.68/0.7	1.15/1.44	1.83/2.37	2.83/3.08	3.08/2.79	2.31/1.86	1.64/1.71	1.99/2.22	2.51/2.8	2.88/2.71	2.34/1.89	1.35/0.76	0.26/0.4	1.43/2.45	3.27/3.59
Θ(15°)	3.81/3.36	2.79/2.29	1.64/0.85	-0.23/-1.1	-0.58/0.62	1.27/1.96	1.75/1.96	1.93/1.78	1.65/1.45	1.05/0.73	0.74/0.79	0.89/1.08	1.36/1.58	1.5/1.1	0.73/0.8	1.19/1.48	1.67/1.79	2.04/2.48	2.76/2.62	1.96/1.19	0.87/0.28	-0.08/0.28	1.38/2.49	3.37/3.94
Θ(22.5°)	3.48/3.29	2.78/1.88	0.77/-0.09	-0.85/-1.32	-1.0/2.1	1.29/1.63	1.59/1.5	1.54/1.6	1.46/0.96	-0.03/-0.54	0.12/0.94	1.66/2.18	1.97/1.02	0.25/0.39	0.75/0.87	1.77/0.7	1.01/1.61	2.33/2.92	3.21/3.08	2.45/1.22	0.12/-0.34	-0.13/0.37	0.88/1.5	2.41/3.24
Θ(30°)	2.66/2.68	2.11/1.12	0.05/-0.43	-1.02/-1.77	-2.04/-0.59	1.04/1.64	1.2/0.92	1.15/1.35	1.01/0.15	-1.37/-2	-0.41/0.9	1.77/2.59	2.42/1.4	0.71/0.36	0.14/0.19	0.62/0.08	1.45/1.8	2.21/2.53	2.69/2.62	2.09/1.15	-0.01/-0.84	-0.7/1.0	0.37/0.4	1.06/2.03
Θ(37.5°)	1.42/1.61	1.04/-0.01	-0.67/-0.55	-0.74/-2	-2.39/-0.48	1.13/1.45	0.58/-0.12	0.44/1.02	0.62/-1.35	-2.53/-1.46	-0.46/0.23	0.87/1.71	1.94/1.58	0.59/-1.31	-1.7/0.65	-0.37/-0.09	0.43/0.69	0.77/0.9	1.17/1.27	0.68/-0.28	-1.25/-1.89	-1.52/-0.69	-0.43/-0.74	-0.85/0.39
Θ(45°)	-0.01/0.28	-0.29/-0.96	-1.3/-1.04	-1.55/-3.26	-2.59/-0.39	0.43/0.41	-0.14/-0.98	-0.37/0.41	-0.46/-1.98	-3.43/-2.64	-1.15/-0.62	-0.34/0.44	0.93/1.21	0.8/-1.4	-3.58/-3.34	-2.67/-1.88	-1.21/-1.22	-1.38/-0.95	-0.47/-0.96	-0.89/-1.27	-2.33/-3.41	-4.01/-3.09	-2.19/-2.09	-1.61/-0.5
Θ(52.5°)	-1.43/-1.69	-2.11/-2.64	-3/-0.38	-3.89/-4.55	-2.78/-1.19	-1.06/-0.81	-1.17/-1.73	-0.97/-0.64	-1.37/-3.65	-5.34/-4.23	-1.47/-1.36	-1.53/-1.3	-1.53/-1.13	-0.92/-2.1	-6.02/-5.8	-4.35/-3.35	-2.61/-2.53	-3.3/-3.94	-3.7/-3.48	-2.86/-2.78	-3.71/-4.95	-6.17/-5.23	-4.22/-3.02	-2.38/-1.88
Θ(60°)	-3.42/-3.66	-4.51/-5.57	-5.11/-5.45	-6.76/-6.51	-4.35/-3.43	-3.43/-2.58	-3.01/-3.29	-2.33/-2.1	-3.51/-6.89	-7.38/-6.28	-2.47/-3.05	-3.76/-4.47	-5/-0.48	-3.28/-5.59	-8.39/-8.77	-7.1/-5.9	-4.66/-4.39	-5.43/-7.18	-7.09/-6.02	-4.62/-4.52	-6.45/-7.44	-8.61/-7.7	-6.52/-4.77	-4.56/-4.42
Θ(67.5°)	-6.65/-6.4	-7.23/-7.71	-7.24/-8.1	-8.94/-7.66	-5.82/-5.83	-5.4/-1.7	-4.4/-4.34	-4.48/-3.93	-5.81/-7.16	-4.84/-5.77	-3.87/-4.5	-5.93/-7.61	-6.76/-4.63	-4.69/-7.99	-10.35/-9.99	-9.74/-7.41	-6.47/-6.25	-7.88/-9.42	-10.64/-8.06	-6.88/-7.78	-10.1/-10.73	-11.17/-11.45	-6.74/-6.76	-7.24/-7.69
Θ(75°)	-9.22/-9	-8.8/-11.26	-8.96/-10.56	-10.46/-9.48	-7.51/-7.77	-6.09/-5.59</																		



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-2TX(Radio 1)

Appendix A

Θ(75°)	-3.65/-3.25	-3.68/-3.4	-3.21/-3.52	-2.91/-2.79	-2.81/-1.01	-2/-2.04	-4.7/-3.04	-2.63/-0.88	-2.47/-3.5	-4.91/-4	-2.03/-0.37	0.14/-1.26	-1.54/-0.8	-0.27/-1.95	-4.19/-6.3	-6.67/-4.07	-3.03/-2.2	-2.8/-4.23	-1.77/-0.32	-1/-3.64	-3.07/-3.02	-3.39/-3.19	-3.02/-3.03	-3.56/-4.2
Θ(82.5°)	-5.02/-4.57	-4.96/-4.43	-4.07/-3.45	-2.85/-3.27	-3.31/-2.16	-3.77/-3.43	-5.32/-4.53	-4.66/-1.9	-4.2/-4.89	-5.17/-4.21	-3.16/-1.91	-1.38/-3.36	-2.72/-2.24	-2.44/-4.3	-5.83/-8.1	-8.55/-4.63	-2.58/-1.95	-4.37/-5.52	-2.95/-0.17	-1.85/-4.09	-3.54/-3.93	-4.09/-4.3	-4.35/-4.69	-5.15/-5.16
Θ(90°)	-5.6/-5.72	-6.51/-5.49	-5.75/-4.25	-3.93/-4.51	-4.79/-4.23	-5.83/-4.72	-6.54/-5.95	-6.67/-4.65	-5.87/-6.13	-6.75/-5.91	-5.21/-4.64	-3.66/-5.07	-4.95/-4.96	-4.39/-7.11	-8.03/-9.51	-10.57/-6.97	-3.59/-3.88	-5.97/-8.18	-3.8/-2.11	-3.27/-5.26	-4.78/-4.82	-5.61/-5.66	-5.4/-6.48	-7.25/-6.04
Θ(97.5°)	-6.65/-7.45	-7.53/-7.27	-6.92/-5.22	-4.91/-5.83	-6.07/-5.84	-7.98/-6.76	-8/-7.73	-6.99/-8.07	-8.18/-6.58	-8.31/-8.41	-7.77/-7.57	-6.72/-7.75	-8.22/-7.1	-6.36/-9.72	-10.39/-10.26	-9.92/-8.85	-6.6/-7	-9.61/-11.55	-6.53/-5.6	-5.78/-6.72	-6.5/-6.84	-7.28/-6.83	-6.86/-7.97	-8.85/-7.16
Θ(105°)	-7.63/-8.47	-9.46/-9.49	-8.4/-6.42	-6.36/-6.64	-6.52/-7.29	-7.84/-9.5	-10.93/-11.03	-9.5/-10.43	-10.62/-11.14	-10.78/-10.64	-9.75/-10.45	-10.8/-11.96	-12.93/-9.36	-8.67/-12.3	-11.63/-11.05	-10.4/-9.92	-12.65/-11.6	-13.07/-14.98	-11.04/-8.95	-8.39/-8.29	-8.43/-7.36	-8.09/-7.79	-8.37/-8.76	-9.27/-8.86
Θ(112.5°)	-11.18/-11.64	-11.48/-9.74	-8.81/-7.91	-8.82/-9.05	-8.84/-8.48	-8.87/-11.93	-10.63/-12.16	-10.14/-12.28	-12.82/-12.92	-12.14/-12.87	-12.67/-12.7	-12.86/-12.63	-14.33/-13.18	-10.51/-14.59	-13.57/-14.61	-9.14/-10.11	-15.02/-12.98	-14.25/-14.95	-9.96/-9.05	-9.22/-8.96	-9.25/-9.07	-9.39/-8.62	-8.77/-9.59	-10.69/-11.83
Θ(120°)	-14.37/-13.99	-12.3/-10.05	-9.8/-9.5	-9.42/-10.44	-10.64/-10	-12.27/-11.8	-10.98/-14.3	-11.11/-12.95	-14.21/-14.81	-13.71/-13.67	-15.12/-13.45	-12.87/-14.33	-15.33/-15.67	-12.86/-16.17	-15.57/-15.02	-12.04/-9.14	-9.21/-13.49	-11.15/-14.05	-9.05/-10.63	-9.86/-9.97	-10.02/-10.94	-10.47/-10.15	-10.67/-12.11	-11.72/-14.45
Θ(127.5°)	-12.05/-10.1	-11.49/-11.74	-11.38/-13.25	-11.76/-10.5	-10.76/-12.49	-13.73/-11.09	-14.57/-14.64	-16.02/-15.23	-15.45/-15.04	-14.85/-14	-14.71/-15.45	-14.95/-15.22	-15.31/-15.07	-13.15/-15.36	-15.3/-14.56	-15.23/-13.97	-12.56/-15.62	-12.89/-15.18	-12.39/-13.5	-10.59/-11.53	-13.42/-13.92	-11.43/-10.34	-11.09/-13.41	-15/-14.47
Θ(135°)	-15.52/-14.38	-12.09/-12.83	-12.8/-11.37	-10.96/-11.83	-13.47/-14.66	-15.43/-15.53	-14.74/-12.3	-15.65/-15.74	-15.53/-15.64	-15/-13.72	-15.19/-15.75	-15.36/-14.08	-14.81/-15.2	-12.4/-12.36	-12.85/-15.09	-15.06/-15.3	-13.18/-15.07	-15.1/-15.61	-11.97/-10.77	-10.83/-11.47	-12.95/-13.38	-13.81/-11.24	-10.13/-12.53	-14.94/-15.44
Θ(142.5°)	-13.43/-15.52	-15.56/-16.24	-15.79/-15.02	-13.99/-11.77	-11.64/-12.73	-15.38/-14.78	-13.31/-15.35	-15.38/-15.56	-16.12/-15.71	-14.14/-15.53	-15.25/-15.31	-15.81/-15.92	-14.91/-15.68	-14.36/-15.67	-14.99/-14.62	-13.58/-13.99	-12.83/-12.5	-14.59/-15.24	-12.38/-12.45	-13.15/-14.26	-15.02/-12.54	-14.09/-12.44	-11.9/-14.33	-14.48/-13.05
Θ(150°)	-14.96/-14.77	-15.04/-14.88	-13.26/-12.68	-12.56/-13.59	-15.42/-16.11	-14.94/-14.83	-15.78/-15.63	-14.76/-15.63	-15.36/-15.64	-14.83/-14.7	-14.84/-15.51	-15.83/-15.09	-14.74/-14.1	-13.12/-15.7	-15.37/-14.85	-15.65/-14.65	-15.53/-14.37	-14.99/-15.56	-15.54/-15.11	-12.72/-12.28	-13.58/-13.23	-13.28/-14.39	-16.24/-15.56	-16.03/-15
Θ(157.5°)	-14.61/-15.53	-15.15/-15.81	-15.14/-14.55	-15.51/-16.51	-14.61/-15.05	-14.76/-15.38	-15.13/-14.98	-15.78/-15.2	-15.34/-14.91	-15.08/-15.37	-15.96/-15.52	-15.12/-15.22	-15.41/-15.66	-15.53/-15.41	-15.43/-14.94	-15.09/-15.2	-15.25/-14.66	-13.98/-14.77	-15.59/-14.94	-12.81/-12.96	-15.16/-14.88	-13.85/-13.73	-14.21/-15	-14.97/-15.29
Θ(165°)	-13.77/-13.5	-13.66/-13.76	-13.18/-13.98	-15.37/-14.65	-15.38/-15.54	-15.42/-13.97	-13.64/-13.14	-13.65/-14.17	-15.38/-15.58	-15.45/-14.39	-14.9/-15.59	-15.24/-15.09	-15.76/-16.05	-14.67/-14.89	-13.62/-14.27	-15.37/-14.12	-12.49/-13.55	-15.43/-15.29	-15.35/-15.55	-14.23/-13.46	-12.87/-13.7	-15.22/-14.9	-15.45/-15.39	-15.35/-15.43
Θ(172.5°)	-15.4/-15.21	-14.87/-15.61	-15.1/-15.52	-15.51/-15.53	-15.24/-15.93	-15.02/-14.44	-14.91/-14.35	-13.83/-13.89	-14.89/-14.83	-15.57/-16.37	-14.63/-15.08	-15.64/-15.61	-15.79/-15.32	-14.65/-14.74	-14.14/-13.99	-14.77/-15.87	-14.49/-15.11	-15.22/-15.19	-15.02/-15.82	-15.26/-15.47	-15.3/-15.06	-14.88/-14.23	-13.3/-14.07	-16.24/-15.73
Θ(180°)	-14.96/-15.05	-14.98/-15.44	-15.34/-14.74	-14.9/-15.12	-15.4/-15.01	-15.01/-14.94	-15.14/-15.27	-15.39/-16.13	-15.23/-14.79	-15.35/-15.55	-15.44/-15.35	-15.72/-15.07	-15.28/-15.45	-15.59/-15.29	-15.47/-15.85	-15.11/-14.87	-14.92/-15.01	-15.31/-14.75	-15.49/-14.8	-15.31/-14.73	-15.16/-15.41	-15.56/-15.34	-14.65/-15.59	-15.9/-15.58
Freq(Hz)	5.785GPol.	Theta-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	3.78/3.73	3.56/3.31	2.88/2.23	1.36/1.14	1.72/2.27	2.64/2.91	3.15/3.11	2.91/2.68	2.26/1.53	1.29/1.79	2.54/3.18	3.68/4	4.48/4.07	3.85/3.4	2.62/1.74	0.83/0.7	1.53/2.11	2.63/2.93	3.05/3.08	1.86/1.23	1.22/1.78	2.45/3.04	3.5/3.73	
Θ(7.5°)	3.51/3.42	3.16/2.88	2.39/1.83	1.09/1.07	1.76/2.41	2.7/2.94	3.18/3.22	2.82/2.4	2/1.5	0.89/1.16	1.9/2.56	3/3.36	3.6/3.68	3.61/3.23	2.64/1.98	1.23/1.27	1.9/2.33	2.69/3.06	3.19/3.13	2.9/2.45	2.01/1.5	1.68/2.38	2.94/3.29	3.5/3.61
Θ(15°)	3.38/3.26	2.91/2.47	1.98/1.44	0.73/0.74	1.27/1.77	1.97/2.17	2.55/2.83	2.7/2.27	1.76/1.26	0.85/1.19	2.03/2.66	2.98/3.03	3.12/3.14	3.12/2.95	2.5/1.82	1.11/0.89	1.34/1.67	1.83/1.91	1.9/1.84	1.87/1.72	1.37/0.81	0.76/0.93	1.7/2.32	2.75/3.19
Θ(22.5°)	2.4/2.62	2.86/2.66	2.12/1.26	0.32/0.37	0.78/1.02	0.96/1.56	2.49/3.09	3.05/2.38	1.3/0.39	0.24/0.63	0.65/1.04	1.62/1.59	1.59/1.85	1.73/1.01	0.5/0.33	0.04/0.04	0.6/1.19	1.56/1.43	1.05/0.66	0.7/0.87	0.69/0.16	-0.45/0.55	1.87/2.43	2.41/2.35
Θ(30°)	0.9/1.11	1.13/1	0.87/0.16	-0.82/-1.55	-0.09/0.82	1.22/2	2.52/2.65	2.38/1.24	-0.19/-0.94	-1.59/-1.44	-1.59/0.88	2.47/2.59	2.13/0.84	-0.02/0.32	0.36/-0.35	-0.52/-0.27	0.13/0.99	1.63/1.69	0.87/-0.26	-0.58/-0.14	-0.57/-1.63	-10/19	0.5/0.01	-0.3/0.45
Θ(37.5°)	0.11/-0.84	-0.96/-0.39	-0.87/-1.92	-2.55/-1.86	-1.15/-0.23	1.19/2.11	2.15/1.88	1.09/0.32	-0.26/-0.68	-1.73/-2.92	-1.9/0.79	1.83/1.94	1.3/0.1	-0.63/-1.03	-1.44/-1.24	-0.44/-0.75	-1.38/-0.75	0.34/0.77	0.46/-0.39	-1.48/-1.88	-2.39/-3.94	-3.14/-2.08	-2.52/-1.87	-0.14/0.59
Θ(45°)	-3.43/-3.6	-2.37/-1.7	-2.91/-3.6	-2.87/-2.7	-2.55/-1.31	0.74/1.87	1.93/0.83	-0.5/-0.63	-0.41/-0.46	-1.94/-3.44	-1.56/0.24	0.71/1.87	2.24/0.9	-0.69/-1.98	-2.23/-2.2	-2.1/-1.81	-1.94/-2.54	-2.27/-1.5	-1.47/-1.35	-1.8/-4.92	-5.93/-7.04	-6.88/-5.78	-4.06/-1.6	-0.87/-2
Θ(52.5°)	-7.07/-5.62	-4.81/-3.95	-5.17/-5.57	-4.69/-4.32	-2.49/-0.88	-0.08/0.83	0.75/-1.24	-1.29/-0.18	-0.94/-0.21	-3.54/-5.29	-2.13/-1.25	-0.36/1.4	0.84/-0.98	-1.53/-3	-5.21/-6.23	-5.22/-4.13	-4.08/-4.31	-5.12/-5.48	-5.01/-3.19	-3.09/-7.86	-11.28/-12.28	-10.36/-8.66	-5.49/-4.52	-5.03/-7.9
Θ(60°)	-10.32/-8.81	-7.6/-6.43	-7.09/-7.75	-6.75/-6.71	-3.77/-1.78	-1.73/-2.37	-1.86/-3.14	-1.87/-0.59	-2.26/-2.01	-5.04/-5.33	-3.68/-3.06	-3.04/-2.27	-3.19/-2.97	-2.64/-3.7	-8.4/-7.12	-7.08/-6.91	-7.37/-9.13	-8.61/-6.39	-6.36/-12.99	-14.02/-15.13	-15.43/-12.88	-10.07/-7.81	-8.31/-10.65	
Θ(67.5°)	-12.46/-11.01	-10.02/-8.9	-8.97/-10.96	-8.82/-6.81	-5.72/-3.78	-3.11/-5.21	-5.27/-5.34	-3.76/-2.16	-4.88/-4.98	-7.24/-4.42	-6.3/-5.24	-5.91/-7.73	-7.67/-5.11	-5.6/-6.7	-8.66/-10.77	-10.72/-7.96	-8.99/-8.98	-8.33/-12.52	-12.42/-10.69	-11.8/-13.73	-14.33/-14.98	-15.15/-14.28	-15.55/-13.31	-10.77/-11.6
Θ(75°)	-13.95/-13.02	-11.42/-9.2	-11.04/-14.73	-11.09/-8.63	-8.51/-6.27	-4.82/-6.93	-8.87/-7.81	-4.72/-4.78	-7.66/-6.97	-7.9/-5.47	-9.1/-6.69	-7.52/-9.91	-10.71/-10.16	-9.3/-9.79	-11.67/-10.87	-14.74/-11.24	-10.44/-11.32	-8.69/-11.74	-13.6/-12.78	-14.86/-10.65	-13.35/-15.67	-15.91/-14.09	-12.99/-15.25	-13.11/-12.05
Θ(82.5°)	-14.82/-13.3	-10.04/-9.22	-12.78/-15.11	-13.62/-10.89	-10.84/-8.01	-6.52/-7.58	-11.14/-8.75	-6.8/-6.74	-10.08/-9.32	-8.92/-7.33	-10.3/-8.31	-9.7/-11.13	-14.07/-13.58	-9.88/-10.94	-14.48/-14.48	-13.63/-12.55	-15.27/-11.15	-9.34/-12.06	-15.26/-13.54	-12.77/-10.17	-15.69/-15.12	-13.85/-13.32	-13/-15.46	-12.08/-14.12
Θ(90°)	-15.62/-13.22	-9.39/-10.93	-15.59/-14.62	-15.02/-12.55	-11.99/-11.71	-9.42/-8.84	-13.42/-9.25	-9.14/-8.97	-11.03/-12.76	-9.95/-9.38	-10.91/-10.85	-11.69/-12	-15.09/-14.2	-9.34/-9.89	-15.94/-16.05	-15.06/-12.46	-14.5/-13.69	-10.3/-12.03	-15.23/-13.15	-12.84/-9.69	-15.63/-14.25	-13.4/-15.58	-12.07/-15.67	-13.27/-14.84
Θ(97.5°)	-11.94/-13.99	-11.91/-13.3	-15.14/-14.77	-15.66/-12.92	-11.16/-14.56	-11.61/-11.24	-14.2/-9.39	-11.51/-11.61	-14.16/-13.85	-12.42/-13.65	-10.68/-14.11	-14.46/-11.7	-14.26/-14.42	-10.75/-11.49	-12.93/-14.93	-15.6/-13.73	-14.34/-16.13	-12.95/-15.98	-14.81/-12.61	-14.18/-11.34	-15.07/-12.04	-14.29/-15.34	-12.85/-14.28	-15.51/-14.34
Θ(105°)	-14.55/-13.06	-12.06/-15.58	-15.23/-15.51	-15.05/-12.98	-11.53/-16.32	-12.34/-12.78	-14.97/-11.5	-13.15/-14.21	-14.64/-14.45	-13.74/-14.7	-12.87/-15.64	-14.7/-13.31	-12.5/-12.99	-11.67/-10.52	-12.99/-14.6	-15.02/-15.24	-15.18/-14.4	-15.53/-15.59	-16.04/-15.63	-14.8/-13.94	-15.66/-12.78	-15.6/-13.03	-13.79/-11.17	-10.37/-14.94
Θ(112.5°)	-15.74/-13.07	-12.82/-13.75	-13.24/-15.39	-14.2/-11.94	-14.03/-15.45	-12.21/-15.7	-14.85/-14.09	-13.69/-14.46	-14.51/-15.73	-14.44/-15.37	-15.41/-15.31	-14.56/-14.07	-12.6/-13.63	-12.12/-12.37	-13.75/-15.06	-15.79/-15.31	-15.54/-15.01	-15.26/-15.77	-13.81/-15.09	-14.75/-14.5	-13.6/-13.55	-13.74/-10.99	-15.96/-12.71	-8.75/-13.59
Θ(120°)	-15.05/-14.68	-11.96/-13.29	-15.03/-15.83	-15.48/-15.27	-15.5/-15.36	-14.52/-15.92	-14.79/-15.42	-13.88/-14.3	-14.13/-14.98	-15.65/-16.01	-14.46													



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Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.57	5.21	4.46	4.78	5.2
Ant. 2 Max Gain (dBi)	4.11	4.59	4.32	4.02	4.45
Ant. 3 Max Gain (dBi)	5.46	4.55	3.8	3.49	3.89
Ant. 4 Max Gain (dBi)	6.55	4.84	4.48	3.62	5.02
Ant. 1 Polarization/θ(°)/Φ(°)	Phi/7.5/322.5	Phi/30/142.5	Phi/22.5/135	Theta/0/232.5	Phi/37.5/127.5
Ant. 2 Polarization/θ(°)/Φ(°)	Phi/0/225	Phi/30/45	Phi/22.5/52.5	Theta/7.5/135	Phi/37.5/45
Ant. 3 Polarization/θ(°)/Φ(°)	Phi/0/300	Phi/37.5/142.5	Phi/30/127.5	Theta/7.5/225	Phi/37.5/315
Ant. 4 Polarization/θ(°)/Φ(°)	Phi/0/45	Phi/30/52.5	Phi/30/45	Phi/37.5/45	Phi/37.5/225
Max Gain (dBi)	6.57	5.21	4.48	4.78	5.2
DG [1SS] (dBi)	8.71	8.02	7.47	6.91	7.51
DG [2SS] (dBi)	6.57	5.21	4.48	4.78	5.2
DG [4SS] (dBi)	6.57	5.21	4.48	4.78	5.2



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

DG 1SS Result

Freq(Hz)	2.45GPol.	Phi-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-		
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	8.56/8.42	8.09/7.62	6.93/6.55	6.46/6.7	7.31/7.75	8.05/8.22	8.27/8.14	7.87/7.51	7.08/6.68	6.84/6.47	8/8.4	8.63/8.71	8.62/8.39	8/7.49	6.89/6.71	6.68/6.98	7.54/7.96	8.25/8.4	8.42/8.28	8/7.59	7.06/6.56	6.79/7.38	7.87/8.21	8.44/8.56
Θ(7.5°)	8.69/8.48	8.13/7.59	6.85/6.47	6.38/6.47	7.17/7.56	7.92/8.22	8.24/8.2	7.94/7.54	6.99/6.36	6.19/6.81	7.36/7.77	8.02/8.12	8.07/8.82	7.45/6.93	6.42/6.18	6.36/6.68	7.92/8.06	8.07/7.95	7.69/7.28	6.84/6.56	7.04/7.64	8.12/8.43	8.62/8.69	
Θ(15°)	8.14/7.93	7.54/6.98	6.21/5.63	5.44/5.45	6.05/6.57	6.97/7.26	7.46/7.48	7.33/7.08	6.53/5.81	5.38/5.81	6.41/6.85	7.15/7.27	7.21/7.04	6.69/6.21	5.56/5.14	5.24/5.74	6.31/6.71	6.97/7.09	7.06/6.93	6.66/6.26	5.83/5.8	6.47/7.17	7.69/7.99	8.14/8.21
Θ(22.5°)	7.05/6.83	6.54/6.12	5.53/4.96	4.68/4.8	5.43/5.94	6.27/6.52	6.71/6.84	6.83/6.61	6.12/5.39	4.81/5.16	5.75/6.11	6.29/6.36	6.33/6.24	6.05/5.71	5.24/7.4	4.95/5.58	6.02/6.22	6.11/5.96	5.77/5.46	5.00/5.19	5.98/6.71	7.16/7.34	7.34/7.24	
Θ(30°)	5.73/5.64	5.69/5.68	5.43/5.02	4.86/4.96	5.55/6.08	6.2/6.2	6.18/6.21	6.24/6.22	5.78/5.06	4.41/4.6	5.16/5.38	5.42/5.38	5.49/5.7	5.89/5.89	5.6/5.19	5.34/5.9	6.21/6.22	6.03/5.76	5.59/5.55	5.57/5.49	5.25/1.7	5.66/6.37	6.67/6.64	6.41/6.06
Θ(37.5°)	4.85/5.09	5.46/5.76	5.77/5.62	5.5/5.58	6.18/6.46	6.41/6.27	6.14/6.11	6.05/5.8	5.31/4.67	4.46/4.67	4.87/4.66	4.38/4.32	4.68/5.28	5.75/5.88	5.6/5.34	5.66/6.19	6.4/6.25	5.87/5.49	5.29/5.23	5.26/5.29	5.14/5.08	5.49/5.96	6.09/5.79	5.35/4.96
Θ(45°)	3.73/4.18	4.77/5.16	5.1/7/5	5.04/5.36	5.97/6.16	6.39/6.72	6.89/6.79	6.43/5.87	5.46/5.18	5.01/5.09	4.98/4.5	4.14/4.2	4.7/5.25	5.69/5.76	5.41/5.06	5.44/6.09	6.32/6.1	5.64/5.33	5.2/5.03	4.83/4.72	4.59/4.57	5.13/5.94	6.14/5.61	4.73/9.1
Θ(52.5°)	2.88/2.98	3.4/3.56	3.36/3.15	3.46/3.79	4.46/4.9	5.44/6.06	6.28/6.28	5.99/5.53	5.24/4.94	4.54/4.45	4.39/3.89	3.3/3.29	3.96/4.6	4.87/4.8	4.47/4.35	4.93/5.51	5.56/5.09	4.52/4.36	4.37/4.15	3.94/3.93	3.97/4.02	4.79/6.82	6.2/5.76	4.65/4.59
Θ(60°)	3.13/3.34	3.55/3.34	3.01/3.14	3.36/3.84	4.12/3.65	3.43/3.84	4.05/3.94	3.83/6.4	3.43/3.59	3.66/3.18	1.97/1.49	2.57/3.19	3.53/4.9	3.15/3.03	3.24/3.35	4.43/3.67	2.35/1.58	1.79/2.05	2.32/84	2.92/2.86	3.22/4.23	4.72/4.43	3.73/3.04	
Θ(67.5°)	1.08/1.31	1.97/2.25	2.65/3.04	3.35/3.62	3.6/3.11	2.84/3.46	3.62/3.29	2.78/2.48	2.46/2.85	3.27/3.52	3.46/2.65	1.66/1.9	2.38/2.58	2.24/1.54	1.18/1.45	2.23/0.7	3.22/4.1	1.01/0.69	1.45/2.01	2.05/1.75	1.31/1.44	2.21/2.94	3.02/2.42	1.56/1.21
Θ(75°)	-0.04/-0.65	-0.86/-0.64	-0.20/2.5	0.50/7.1	0.66/0.2	-0.03/0.47	0.79/0.81	0.56/0.46	0.82/0.84	0.78/1.02	1.19/0.85	0.31/0.55	0.93/1.13	0.88/-0.05	-0.61/0.42	0.31/1.3	1.75/1.15	0.11/0.05	0.76/1.2	0.77/-0.14	-0.15/0.3	1.1/6.2	1.85/1.41	0.89/0.34
Θ(82.5°)	-1.27/-1.59	-2.11/-2.18	-1.46/-0.92	-0.74/-0.37	-0.22/-0.26	-0.6/-0.84	-1.14/-1.68	-1.42/-0.99	-0.79/-0.6	-0.97/-0.74	-0.8/-0.98	-1.37/-1.31	-1.01/-0.63	-0.88/-1.95	-2.39/-2.21	-1.18/-0.15	0.35/-0.05	-0.8/-0.63	-0.49/-0.52	-1.14/-1.72	-1.41/-1.07	-1.02/-0.72	-0.6/-0.57	-0.86/-1.26
Θ(90°)	-3.83/-4.49	-4.52/-4.24	-2.98/-2.23	-2.07/-2.25	-2.62/-2.78	-2.28/-1.89	-2.22/-2.91	-3.21/-2.93	-2.15/-2.26	-2.9/-3.34	-3.3/-2.85	-3.2/-3.39	-2.43/-2.69	-2.89/-2.77	-2.3/-2.53	-2.6/-1.78	-1.05/-1.3	-1.69/-1.75	-2.5/-3.62	-3.28/-2.98	-2.92/-3.17	-2.94/-2.88	-2.83/-2.75	-2.79/-3.18
Θ(97.5°)	-5.3/-5.94	-6.67/-6.47	-5.43/-4.43	-4.38/-4.89	-5.47/-5.64	-5.31/-4.68	-4.04/-4.19	-3.84/-3.32	-2.58/-2.79	-4.24/-5.68	-5.37/-5.31	-4.93/-4.46	-5.2/-5.44	-4.87/-3.38	-3.36/-4.13	-4.51/-4.37	-4.08/-4.44	-4.59/-4.8	-4.75/-3.63	-2.71/-2.93	-3.95/-4.69	-4.25/-4.13	-4.35/-4.68	-4.37/-4.29
Θ(105°)	-6.9/-6.75	-6.6/-6.58	-6.09/-5.51	-5.58/-6.46	-7.69/-7.9	-7.79/-7.27	-6.74/-6.64	-6.91/-6.13	-4.45/-4.22	-5.34/-5.96	-5.62/-5.61	-5.45/-5.28	-6.06/-6.36	-4.98/-4.17	-3.87/-4.05	-4.11/-4.42	-4.81/-4.58	-4.73/-5.72	-7.49/-6.4	-4.99/-4.61	-4.17/-4.51	-5.07/-5.64	-6.12/-6.28	
Θ(112.5°)	-8.35/-8.66	-8.84/-8.9	-8.29/-8.82	-6.19/-5.88	-5.8/-5.32	-4.58/-3.83	-3.45/-4	-5.32/-6.17	-5.85/-6.17	-7.38/-7.06	-6.86/-7.18	-6.67/-6.19	-7.01/-8.32	-7.36/-6.37	-5.41/-6.1	-7.26/-7.25	-6.88/-6.62	-6.62/-6.78	-7.54/-7.25	-5.92/-5.21	-5.53/-5.45	-4.96/-5.67	-6.42/-6.8	-6.92/-6.82
Θ(120°)	-4.95/-5.14	-6.08/-7.4	-7.56/-6.44	-5.43/-4.78	-4.66/-4.73	-5.1/-5.23	-5.35/-5.24	-5.49/-4.51	-3.69/-4.06	-4.85/-5.37	-6.11/-7.28	-6.89/-8.36	-8.13/-7.96	-8.18/-6.62	-5.19/-5.22	-4.95/-3.67	-2.68/-2.72	-4.1/-7.33	-10.79/-9.95	-6.85/-6.19	-6.6/-7.85	-8.13/-9	-8.42/-7.09	-5.58/-4.83
Θ(127.5°)	-3.5/-3.31	-3.55/-3.56	-4.51/-6.32	-8.18/-9.15	-8.74/-8.76	-8.73/-8.59	-7.79/-7.27	-6.74/-6.61	-6.66/-6.53	-6.66/-7.38	-6.68/-6.55	-7.21/-7.77	-7.78/-8.38	-9.29/-7.95	-7.32/-8.29	-8.26/-6.33	-5.01/-5.08	-5.98/-9.15	-1.11/-10.56	-7.94/-7.47	-6.94/-7.55	-8.47/-7.38	-6.65/-5.69	-4.47/-3.84
Θ(135°)	-9.25/-8.39	-5.88/-3.99	-3.29/-3.6	-4.5/-5.15	-6.03/-6.44	-6.88/-6.76	-5.88/-5.04	-3.66/-2.59	-2.48/-3.33	-4.82/-6.36	-7.79/-9.73	-10.68/-10.7	-9.87/-9.76	-9.24/-8.08	-7.23/-7.09	-7.29/6	-5.2/-5.61	-7.81/-11.04	-1.16/-7.77	-4.66/-2.81	-2.22/-2.75	-4.14/-6.39	-8.77/-10.92	-12.09/-10.4
Θ(142.5°)	-11.52/-11.01	-8.63/-7.14	-5.94/-5.63	-6.23/-7.49	-9.17/-10.75	-11.06/-11.25	-8.26/-8.21	-3.18/-2.31	-2.42/-3.44	-5.4/-8.08	-10.09/-10.57	-8.88/-7.77	-7.79/-8.66	-9.17/-9.18	-8.59/-7.68	-6.31/-9.42	-4.07/-4.22	-4.96/-4.7	-7.51/-5.73	-3.31/-1.82	-1.25/-1.48	-2.43/-3.99	-6.06/-8.44	-10.23/-11.84
Θ(150°)	-6.78/-7.61	-7.74/-7.69	-8.32/-9.55	-10.62/-11.75	-11.71/-10.96	-9.38/-8.02	-6.25/-5.54	-4.81/-4.8	-5.6/-7.18	-8.51/-10.01	-8.58/-6.28	-5.22/-4.97	-5.69/-6.69	-7.72/-7.58	-6.64/-5.56	-4.5/-3.68	-3.62/-3.17	-3.73/-5.05	-6.98/-7.95	-7.08/-6.13	-5.62/-6.67	-6.19/-6.99	-7.37/-7.88	-8.35/-7.82
Θ(157.5°)	-5.58/-6.08	-6.74/-7.82	-8.36/-10.09	-11.49/-11.03	-10.31/-9.42	-8.18/-6.97	-6.39/-6	-6.41/-7.31	-9.09/-10.64	-10.66/-9.29	-7.88/-7.47	-7.43/-7.72	-7.84/-7.57	-6.84/-6.32	-5.52/-5.21	-5.15/-5.24	-5.81/-6.38	-7.33/-8.53	-9.48/-9.37	-9.59/-9.62	-10/-10.17	-9.77/-8.75	-8.23/-7.03	-6.1/-5.58
Θ(165°)	-5.82/-5.79	-4.26/-6.8	-7.54/-7.92	-8.45/-6.88	-8.64/-8.49	-8.33/-8.68	-9.08/-9.04	-9.47/-10.64	-9.73/-8.95	-7.68/-7	-7.1/-6.9	-8.84/-9.99	-11.56/-11.25	-10.19/-9.44	-8.74/-8.43	-8.6/-8.88	-9.3/-9.27	-8.86/-8.27	-7.66/-7.37	-7.19/-7.09	-7.7/-8.33	-8.6/-9.04	-8.79/-8.09	-7.06/-6.1
Θ(172.5°)	-6.7/-6.87	-6.51/-6.38	-6.34/-6.43	-6.16/-6.25	-6.69/-7.09	-7.76/-7.87	-9.62/-9.93	-9.47/-10.54	-8.47/-7.78	-7.16/-7.32	-8.01/-9.21	-11.51/-11.81	-12.48/-11.49	-8.8/-8.78	-7.73/-7.26	-6.46/-5.44	-3.87/-3.54	-3.81/-3.97	-4.56/-5.42	-6.46/-7.58	-8.47/-9.78	-10.46/-9.67	-9.65/-8.27	
Θ(180°)	-10.67/-9.32	-8.25/-7.4	-6.65/-5.91	-5.14/-4.62	-4.47/-4.74	-5.08/-5.36	-5.53/-5.73	-6.07/-6.39	-6.64/-6.81	-7.79/-9.15	-10.79/-11.78	-12.3/-12.11	-10.27/-7.82	-6.12/-5.11	-4.34/-3.84	-3.42/-3.15	-2.87/-2.66	-2.54/-2.66	-3.06/-3.61	-4.05/-4.94	-5.74/-6.68	-7.64/-9.19	-10.27/-11.63	-12.01/-11.47
Freq(Hz)	2.45GPol.	Theta-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	7.62/7.47	7.13/6.65	6.07/5.51	5.6/6.27	6.83/7.21	7.43/7.49	7.38/7.13	6.79/6.38	5.92/5.71	5.65/5.8	6.34/6.84	7.16/7.29	7.27/7.14	6.88/6.51	6.03/5.57	5.79/6.42	6.95/7.32	7.52/7.59	7.52/7.33	7.6/5.7	6.05/5.81	5.72/5.95	6.52/7	7.34/7.55
Θ(7.5°)	7.45/7.4	7.18/6.83	6.39/6.11	6.29/6.83	7.24/7.53	7.67/7.68	7.57/7.23	6.88/6.48	5.94/5.58	5.49/5.81	6.37/6.76	6.96/7	6.9/6.66	6.32/5.86	5.27/4.66	4.76/5.49	6.16/6.62	6.88/7	6.97/6.6	5.61/6.11	5.8/5.63	5.53/5.69	6.21/6.67	7.05/7.31
Θ(15°)	6.78/6.78	6.68/6.54	6.34/6.15	6.21/6.56	6.88/7.09	7.19/7.16	7.02/6.8	6.56/6.33	5.93/5.35	4.93/5.1	5.54/5.88	6.12/6.13	5.94/6.8	5.5/5.1	4.55/3.84	3.58/4.19	5.92/5.46	5.78/5.95	5.98/5.87	5.62/5.44	5.26/5.32	5.32/5.55	5.96/21	6.47/6.67
Θ(22.5°)	6.09/6.05	6/5.96	5.91/5.8	5.64/5.84	6.11/6.32	6.47/6.43	6.27/6.07	5.87/5.66	5.37/4.91	4.48/4.45	4.74/4.89	5.01/4.84	4.63/4.4	4.23/3.94	3.53/2.92	2.49/2.71	3.37/3.88	4.24/4.45	4.55/4.54	4.41/4.49	4.62/4.85	5.21/5.64	5.93/6.06	6.11/6.13
Θ(30°)	5.3/5.3	5.28/5.24	5.21/5.13	4.84/4.68	4.99/5.3	5.51/5.54	5.33/4.95	4.52/4.34	4.1/3.83	3.83/3.76	3.87/3.89	3.84/3.54	3.18/2.75	2.52/4.48	2.42/2.07	1.36/1.06	1.26/1.78	2.24/2.63	2.94/3.07	3.05/3.12	3.46/3.92	4.64/5.28	5.58/5.62	5.53/5.43
Θ(37.5°)	4.17/4.34	4.31/4.26	4.32/4.3	4.03/3.83	3.89/4.2	4.51/4.68	4.52/4.19	3.83/5.5	3.46/3.37	3.14/2.68	2.48/2.31	2.18/2.13	1.94/1.46	1.09/1.19	1.22/0.81	-0.05/-0.41	-0.4/0.15	0.79/1.36	1.72/1.75	1.58/1.6	2.02/2.64	3.25/3.91	4.13/4.07	3.99/4.02
Θ(45°)	2.99/3.25	3.17/3.09	3.11/3.09	3.04/2.86	2.61/2.86	3.25/3.55	3.67/3.64	3.6/3.6	3.76/3.44	2.67/1.6	0.19/-0.16	0.02/0.74	1.05/0.7	0.41/0.3										



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ(22.5°)	6.656.5	6.055.5	4.944.5	4.234.66	5.265.72	6.156.6	6.726.64	6.496.29	5.825.09	4.344.34	5.195.97	6.456.62	6.516.26	5.995.65	5.124.85	4.564.64	5.195.83	6.486.82	6.696.49	6.3/5.9	5.3/5.13	5.095.08	5.525.78	6.166.49
Θ(30°)	6.926.9	6.5/5.96	5.425.28	5.515.55	5.726.11	6.797.44	7.476.87	6.316.11	5.785.53	5.144.53	5.135.81	6.3/6.51	6.5/6.29	5.975.63	5.134.7	4.534.36	5.136.04	6.737.22	7.2/6.98	6.485.71	4.764.63	4.724.72	5.075.41	5.946.54
Θ(142.5°)	6.456.36	6.075.52	5.468	4.814.73	5.015.65	5.667.07	7.076.85	6.225.5	4.954.79	4.664.58	5.095.68	5.996.12	6.196.15	5.064.92	4.614.61	4.544.54	5.035.5	6.116.46	6.426.09	5.785.31	5.444.02	4.404.02	4.094.83	5.686.19
Θ(45°)	6.136.13	5.795.33	4.974.63	4.314.47	4.695.43	6.066.29	6.095.9	5.725.08	4.164.01	4.024.16	4.655.24	5.585.87	6.095.85	5.174.57	4.464.05	3.413.18	3.694.38	5.035.58	5.9/5.6	4.994.45	3.763.45	3.543.4	3.334.11	5.245.91
Θ(52.5°)	5.695.45	4.924.39	3.973.36	3.053.3	3.74.11	4.925.67	6.065.83	5.174.43	3.573.31	2.872.57	3.344.24	4.97/5.5	5.424.81	4.384.18	3.742.65	2.432.85	3.464.39	4.895.33	5.154.75	4.213.55	2.952.32	2.122.16	3.123.89	4.795.48
Θ(60°)	5.385.09	4.263.47	2.691.62	1.561.87	2.383.74	4.715.58	5.695.35	4.893.89	2.481.8	1.11/1.26	2.573.77	4.424.77	4.64.51	4.453.88	2.721.42	0.91.43	2.593.37	4.044.11	3.83/3.6	3.312.67	1.680.34	0.21.21	2.674.13	4.885.15
Θ(67.5°)	4.284	3.853.27	1.980.42	0.720.82	1.833.56	4.5/5.23	4.894.54	4.073.02	1.50/6	0.40.85	2.874.24	4.614.46	4.013.44	3.252.92	1.790.48	0.391.03	2.523.68	4/3.48	2.842.94	3.052.32	1.290.11	-0.030.89	2.493.59	3.84.06
Θ(75°)	2.622.1	2.392.26	0.68/-0.35	-0.26/-0.52	1.323.15	3.453.42	2.782.83	2.521.86	0.81/-0.15	-0.39/-0.14	1.723.15	3.362.92	2.672.32	2.081.58	0.93/-0.52	-0.61/-0.14	1.793.3	3.382.43	1.851.89	2.742.5	0.63/-0.77	-1.87/-0.69	1.172.09	2.612.46
Θ(82.5°)	0.35/-0.26	0.57/0.5	-1.01/-1.85	-2.2/-2.11	0.071.47	1.641.27	0.531.12	1.260.87	-0.77/-1.28	-1.74/-1.39	0.261.21	0.930.82	1.01/-0.02	-0.14/-0.71	-1.25/-2.13	-2.52/-1.52	0.56/1.85	1.871.23	1.481.12	1.421.2	-0.34/-1.91	-3.66/-2.75	-0.40.22	0.320.12
Θ(90°)	2.07/-2.7	-1.42/-1.58	-2.88/-3.14	-4.08/-4.37	-2.25/-1.25	-1.44/-2.29	-2.43/-1.07	-0.54/-1.01	-2.18/-2.81	-3.6/-3.88	-2.54/-1.29	-1.06/-1.84	-1.38/-1.69	-2.11/-2.82	-3.31/-4.18	-4.44/-4.35	-1.93/-0.5	-1.13/-0.77	-0.59/-0.59	-0.45/-0.57	-2.88/-4.34	-5.93/-5.43	-3.14/-2.57	-2.18/-2.5
Θ(97.5°)	-4.71/-5.24	-3.59/-4.75	-5.34/-5.3	-7.14/-6.44	-4.26/-3.87	-3.15/-4.41	-3.5/-2.81	-2.32/-1.93	-3.85/-4.88	-5.97/-5.85	-4.87/-4.61	-4.09/-4.56	-3.27/-3.74	-3.86/-4.84	-6.18/-5.86	-6.6/-5.82	-4.26/-3.89	-5.64/-4.7	-2.77/-2.99	-3.1/-3.66	-5.42/-6.7	-8.5/-7.46	-5.22/-4.7	-0.58/-5.52
Θ(105°)	-5.95/-6.71	-5.04/-6.63	-8.09/-7.1	-8.46/-7.58	-6.25/-6.36	-6.31/-6.2	-5.11/-4.85	-3.74/-4.32	-6.03/-7.38	-7.72/-7.21	-6.52/-5.64	-5.65/-7.09	-6.03/-5.1	-5.57/-6.56	-7.17/-8.82	-8.26/-6.69	-6.97/-7.08	-9.95/-9.79	-9.08/-7.28	-7.2/-6.22	-8.67/-9.87	-9.57/-7.31	-9.65/-7.74	-8.05/-6.93
Θ(112.5°)	-9.1/-8.94	-7.49/-8.39	-9.37/-9.75	-8.03/-7.86	-7.88/-8.39	-8.35/-7.39	-6.49/-6.8	-5.86/-6.32	-7.69/-9.31	-8.33/-8	-8.22/-8.53	-8.51/-8.52	-7.83/-6.83	-6.62/-8.4	-9.06/-10.75	-9.6/-7.44	-8.19/-8.63	-8.91/-9.86	-8.94/-7.85	-8.23/-6.6	-7.63/-7.62	-9.12/-8.54	-8.28/-10.05	-8.44/-8.56
Θ(120°)	-8.69/-9.34	-8.68/-9.46	-9.83/-9.68	-8.97/-8.96	-8.88/-8.79	-9.25/-10.42	-10.39/-9.81	-8.31/-9.97	-10.01/-10.51	-9.79/-9.43	-9.28/-9.31	-9.76/-9.01	-8.35	-8.58/-10.46	-11.54/-11.14	-8.18/-9.03	-8.22/-6.99	-7.71/-9.11	-9.08/-9.98	-10.05/-10.39	-9.58/-10.48	-9.85/-10.45	-9.13/-8.61	
Θ(127.5°)	-9.58/-8.49	-8.55/-9.91	-11.11/-11.48	-11.65/-10.57	-10.01/-11.06	-10.31/-11.22	-10.02/-10.92	-10.23/-9.92	-10.73/-10.7	-10.23/-10.56	-10.09/-9.85	-9.15/-9.53	-9.84/-11.41	-9.44/-8.24	-6.61/-9.39	-9/-10.23	-9.73/-9.05	-9.56/-10.74	-12.25/-10.41	-9.86/-9.95	-9.35/-10.71	-11.6/-10.7	-10.53/-12.52	-10.95/-10.91
Θ(135°)	-11.67/-11.5	-11.18/-11.31	-11.38/-10.61	-9.68/-9.83	-11.62/-11.66	-11.05/-11.86	-12.17/-12.18	-11.29/-11.31	-10.94/-10.32	-10.7/-10.69	-10.94/-12.04	-10.85/-9.86	-9.85/-12.54	-12.04/-12.06	-10.62/-9.86	-9.64/-8.37	-9.32/-10.54	-9.5/-10.65	-12.74/-11.63	-10.8/-11.05	-9.22/-9.58	-9.67/-9.49	-10.46/-11.55	-12.1/-11.9
Θ(142.5°)	-12.59/-11.05	-10.82/-11.2	-12.25/-11.4	-11.04/-10.79	-11.77/-10.95	-10.62/-11.81	-12.47/-11.94	-12.65/-12.09	-11.32/-9.94	-10.5/-10.61	-10.78/-10.39	-9.79/-10.5	-12.17/-12.31	-12.09/-11.86	-10.52/-10.65	-10.07/-10.97	-10.91/-9.23	-9.65/-9.81	-9.32/-12.57	-10.83/-12.72	-10.95/-12.39	-11.07/-9.63	-9.71/-9.74	-11.48/-12.38
Θ(150°)	-12.69/-11.3	-10.85/-11.58	-11.29/-11.07	-12.11/-12.05	-11.48/-11.26	-12.15/-11.16	-10.71/-11.16	-11.12/-10.67	-10.67/-11.37	-12.40/-12.09	-12.57/-12.54	-12.33/-11.55	-11.82/-11.65	-12.37/-11.56	-12.32/-10.93	-10.22/-10.91	-11.3/-10.89	-11.09/-10.74	-11.33/-11.35	-12.02/-12.12	-11.56/-11.61	-12.02/-9.64	-12.28/-12.46	-12.14/-11.79
Θ(157.5°)	-12.67/-12.38	-11.81/-10.62	-10.75/-10.18	-10.03/-10.84	-12.11/-12.02	-12.32/-11.84	-11.8/-11.48	-11.46/-11.47	-11.8/-11.83	-11.5/-11.5	-10.97/-10.51	-11.68/-11.39	-10.95/-11.22	-10.83/-11.84	-12.53/-12.21	-11.02/-9.76	-9.45/-9.54	-10.95/-12.27	-12.5/-11.95	-12.18/-12.75	-12.39/-12.01	-11.69/-10.72	-12.37/-12.22	-12.42/-12.39
Θ(165°)	-12.09/-12.18	-12.71/-12.87	-12.7/-12.56	-11.53/-11.51	-11.92/-12.15	-12.33/-12.54	-12.4/-12.41	-12.78/-11.76	-11.9/-12.62	-12.47/-12.42	-12.15/-11.51	-11.11/-11.06	-10.71/-10.29	-10.04/-9.7	-9.69/-9.81	-10.15/-11.04	-12.03/-12.08	-12.41/-1.7	-11.42/-11.71	-11.57/-12.38	-12.9/-12.67	-12.35/-11.98	-12.27/-11.87	-12.5/-12.43
Θ(172.5°)	-12.37/-12.58	-12.1/-12.66	-12.48/-12.51	-12.45/-12.12	-12.26/-12.32	-12.32/-12.42	-11.74/-11.9	-12.1/-12.34	-12.49/-11.88	-12.3/-12.61	-11.82/-12.76	-12.27/-12.23	-11.78/-11.34	-11.1/-11.31	-11.19/-11.02	-11.72/-12.14	-11.99/-11.59	-11.59/-11.56	-12.22/-12.07	-11.54/-10.65	-11.13/-11.69	-12.14/-12.34	-12.17/-12.39	
Θ(180°)	-12.2/-12.14	-11.59/-11.83	-11.19/-10.45	-10.23/-10.1	-10.11/-9.77	-8.61/-9.92	-9.93/-10.05	-10.49/-11.15	-11.55/-12.06	-12.21/-12.51	-12.46/-12.3	-12.09/-12.35	-12.7/-12.25	-11.94/-10.04	-8.45/-7.5	-11.29/-12.62	-6.79/-6.68	-6.94/-7.42	-8.03/-8.18	-8.42/-8.91	-9.05/-9.48	-9.69/-10.53	-10.97/-11.14	-12.13/-11.52
Freq(Hz)	5.3GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	5.785.78	5.755.57	5.194.57	3.913.93	4.625.22	5.625.97	6.166.07	5.815.48	5.074.45	3.643.55	4.194.89	5.455.88	6.096.06	5.915.62	5.234.52	3.854.21	4.815.34	5.786.05	6.16.02	5.755.32	4.724.01	3.413.37	4.194.87	5.375.65
Θ(7.5°)	6.166.07	5.895.6	5.134.57	3.793.64	4.285	5.335.65	5.855.8	5.545.2	4.924.51	3.813.84	4.495.18	5.8/6.29	6.536.61	6.476.15	5.6/4.9	4.144.16	4.775.25	5.716.01	6.045.82	5.495.08	4.543.84	3.4/5.55	4.455.08	5.7/6.06
Θ(15°)	6.215.97	5.6/5.12	4.453.68	2.772.46	3.324.36	5.305.43	5.595.61	5.445.19	4.984.71	4.163.72	44.56	5.135.61	5.95.96	5.715.17	4.493.8	4.465.04	5.525.88	5.935.6	4.984.27	3.653.07	2.993.53	4.385.19	5.866.26	
Θ(22.5°)	6.095.81	5.284.38	3.292.72	2.532.63	3.3/8.9	4.915.56	5.8/5.69	5.355.04	4.794.42	3.673.08	3.734.74	5.626.22	6.155.37	4.494.06	3.863.46	2.933.07	4/5	5.766.21	6.235.8	5.074.13	3.443.17	3.133.15	3.273.85	5.045.95
Θ(30°)	5.985.54	4.733.64	2.62.69	2.692.34	2.463.3	4.535.42	5.575.28	4.714.16	3.943.65	3.062.33	3.164.34	5.326.06	5.894.95	4.033.49	3.2/3.02	2.722.71	3.574.59	5.265.52	5.475.2	4.84.31	3.582.9	2.642.86	3.163.68	4.725.74
Θ(37.5°)	4.344.32	4.043.57	2.712.21	2.032	2.063.19	4.234.84	4.864.66	4.413.89	3.272.35	1.641.77	2.843.66	4.34.73	4.754.28	3.442.27	1.882.09	1.591.57	2.493.35	3.693.92	3.993.79	3.512.92	2/1.28	1.511.86	2.172.71	3.143.79
Θ(45°)	2.923.08	3.073.08	2.451.16	1.05/1.11	1.993.02	3.313.72	3.533.63	5.51.23	-0.20.31	1.42.09	2.613.16	3.463.61	3.291.93	0.17/-0.12	-0.35/-0.06	1.091.62	1.82.18	2.442.11	2.011.58	0.39/-0.62	-0.460.31	1.482.39	2.612.88	
Θ(52.5°)	0.510.96	1.311.37	0.58/-1.06	-0.95/-0.42	0.81/7.9	1.81.74	1.631.62	2.412.64	1.49/-6.99	-2.1/-1.34	0.380.67	1.021.44	1.141.16	1.750.55	-1.77/-1.92	-1.59/-1.4	-0.49/-0.18	-0.38/-0.01	0.43/-0.03	-0.17/-0.57	-1.74/-2.67	-2.54/-1.26	0.11/1.2	0.890.26
Θ(60°)	-2.45/-1.42	-1.19/-1.39	-1.91/-3.37	-3.58/-2.42	-1.23/-0.52	-1.06/-1.14	-1.43/-0.8	0.450.67	-0.93/-2.52	-4.27/-3.05	-0.59/-0.74	-1.51/-2.19	-2.53/-1.18	-0.57/-2.12	-4.53/-4.47	-2.75/-2.7	-1.71/-1.94	-2.59/-2.79	-1.96/-1.97	-1.5/-1.88	-3.66/-4.88	-4.86/-2.55	-0.93/-0.35	-1.14/-2.38
Θ(67.5°)	-4.71/-2.82	-3.27/-3.63	-4.97/-5.89	-5.83/-4.84	-3.29/-3	-3.32/-3.43	-3.62/-1.19	-2.95/-2.67	-4.22/-5.32	-6.02/-3.94	-1.99/-1.85	-3.11/-5.1	-4.64/-2.5	-2.29/-3.94	-5.71/-6.06	-2.96/-3.51	-2.98/-3.03	-4.01/-4.4	-4.36/-3.76	-2.96/-3.47	-6.97/-4.88	-2.96/-2.36	-3.35/-5.59	
Θ(75°)	-5.82/-4.48	-5.57/-6.75	-7.99/-8.49	-7.63/-6.43	-4.46/-5.35	-3.55/-5.14	-6/-5.63	-5.73/-5.84	-7.19/-7.9	-8.39/-6.91	-4.32/-3.37	-4.35/-6.51	-6.04/-4.87	-3.78/-5.84	-7.27/-7.24	-7.6/-6.29	-4.83/-4.71	-5.61/-5.33	-4.32/-4.03	-5.6/-7.72	-6.74/-7.5	-9.7/-7.2	-4.57/-4.3	-5.19/-6.1
Θ(82.5°)	-8.52/-7.8	7.48/-8.85	-9.15/-9.95	-8.94/-7.01	-5.78/-7.82	-7.13/-7.6	-7.58/-6.56	-6.84/-7.07	-9.62/-8.64	-7.77/-7.47	-4.09/-4.32	-5.47/-6.46	-6.97/-6.48	-7.17/-7.33	-8.84/-8.41	-7.97/-6.64	-6.21/-7.07	9.06/8	5.1/-4.34					



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ (67.5°)	2.49/2.24	1.74/1.31	0.43/-1.34	-1.07/0.17	0.96/2.34	2.34/2.15	0.59/1.94	1.92/1.51	0.49/0.37	-0.1/0	0.6/2.27	2.52/1.32	0.06/1.86	2.52/1.03	-0.8/-0.76	-0.78/-1.62	-0.29/1.29	2.09/1.13	0.43/0.61	1.34/-0.11	-0.24/-1.67	-1.07/0.05	2.12/3.21	3.02/2.55
Θ (75°)	1.44/1.56	0.96/0.28	-0.03/-1.07	-1.19/-0.4	0.61/2.23	1.41/0.69	-0.92/0.63	0.74/1.35	0.79/0.65	0.51/0.08	0.37/1.61	2.64/1.67	0.62/1.08	1.76/0.54	-1.01/-1.26	-0.99/-0.2	-0.23/0.91	1.24/0.64	0.46/1.59	1.72/0.65	0.03/-1.13	-1.2/-0.06	1.3/2.16	1.97/1.43
Θ (82.5°)	0.06/0.02	-0.37/-0.97	-1.25/-1.52	-1.88/-1.12	0.26/0.78	-0.3/-0.81	-1.7/-0.4	-0.86/0.45	0.29/0.16	-0.04/-0.54	-0.55/0.02	0.53/0.02	-0.47/-0.55	-0.42/-0.95	-1.93/-0.92	-2.51/-0.92	-0.17/0.8	0.47/-0.52	0.02/1.19	0.86/0.42	0.15/-1.49	-2.24/-1.4	-0.23/0.2	0.12/0.13
Θ (90°)	-1.74/-1.5	-2.32/-2.75	-3.21/-2.69	-2.78/-2.43	-1.64/-1.81	-2.16/-2.64	-3.21/-1.68	-1.95/-1.45	-0.55/-0.86	-1.45/-1.74	-2.04/-1.87	-1.53/-1.25	-1.9/-2.55	-2.86/-3.56	-2.97/-4.8	-5.01/-2.49	-0.76/-0.66	-1.43/-2.95	-1.66/-0.61	-0.65/-1.22	-1.62/-2.52	-4.03/-3.07	-2.15/-2.14	-1.95/-1.51
Θ (97.5°)	-4.07/-3.52	-3.75/-4.35	-4.7/-3.76	-3.5/-4.3	-3.12/-4.67	-4.55/-4.47	-4.01/-3.07	-2.85/-3.52	-2.11/-2.63	-3.01/-3.98	-4.02/-3.6	-4.09/-3.96	-5.03/-4.13	-4.61/-5.08	-3.71/-4.55	-5.99/-5.49	-3.74/-3.34	-4.06/-6.88	-4.79/-4.41	-2.96/-3.15	-3.5/-4.57	-6.09/-4.73	-4.21/-4.69	-5.24/-4.28
Θ (105°)	-6.5/-4.81	-5.08/-6.07	-6.43/-5.45	-4.86/-6.52	-5.5/-7.1	-5.93/-6.27	-6.02/-6.08	-5.65/-5.1	-3.76/-4.41	-4.67/-5.26	-5.51/-5.8	-6.16/-7.38	-7.51/-5.37	-6.48/-9.06	-5.47/-5.39	-6.89/-6.22	-7.91/-6.15	-6.62/-8.97	-9.53/-7.65	-7.09/-6.12	-6.7/-5.43	-7.38/-6.17	-5.87/-5.74	-7.06/-7.21
Θ (112.5°)	-8.84/-8.06	-9.65/-7.41	-7.99/-7.74	-6.99/-8.12	-7.58/-7.44	-7.5/-7.97	-7.56/-6.95	-6.15/-6.4	-5.95/-6.19	-6.06/-6.81	-8.01/-8.29	-8.4/-8.43	-9.17/-7.73	-7.58/-11.93	-8.34/-6.74	-5.62/-7.25	-9.61/-7.66	-7.46/-8.96	-8.3/-8.35	-8.74/-7.85	-6.43/-7.32	-8.14/-7.77	-6.95/-7.37	-7.98/-8.93
Θ (120°)	-10.98/-10.69	-10.56/-8.2	-9.26/-8.8	-8.36/-8.55	-9.34/-9.02	-9.38/-7.86	-7.97/-8.57	-7.36/-7.24	-7.12/-6.71	-6.62/-7.75	-8.59/-8.91	-8.19/-10.05	-10.85/-10.24	-7.98/-10.71	-12.69/-9.07	-7.68/-5.86	-6.33/-7.79	-7.14/-9.57	-7.77/-9.39	-7.87/-7.96	-7.56/-8.93	-9.72/-8.93	-8.51/-8.3	-8.09/-9.22
Θ (127.5°)	-9.61/-8.02	-9.11/-10.5	-9.62/-9.65	-9.76/-8.81	-8.76/-10.39	-11.52/-9.65	-10.83/-10.31	-10.82/-8.83	-8.26/-7.5	-8.25/-9.31	-10.03/-10	-9.86/-11.21	-11.3/-10.53	-8.35/-10.23	-12.25/-10.62	-9.09/-11.03	-8.16/-8.91	-8.34/-11.32	-10.82/-10.99	-9.6/-9.33	-9.66/-10.64	-10.15/-9.03	-8.38/-9.98	-12.29/-11.2
Θ (135°)	-12.01/-12.03	-10.6/-10.98	-11.12/-10.2	-9.94/-10.57	-11.66/-11.98	-12.54/-12.14	-11.55/-10.15	-9.45/-8.34	-8.78/-8.71	-8.8/-9.17	-9.2/-10.09	-10.6/-10.55	-11.58/-11.92	-8.49/-6.5	-5.97/-8.98	-12.46/-12.23	-10.73/-9.56	-9.05/-10.2	-10.72/-9.4	-8.41/-10.07	-9.75/-9.54	-11.02/-8.77	-8.22/-10.45	-12.08/-10.43
Θ (142.5°)	-11.13/-12.49	-12.79/-12.45	-11.21/-11.36	-10.44/-9.72	-9.28/-10.7	-12.43/-12.12	-9.91/-9.3	-9.8/-10.73	-9.85/-8.5	-8.4/-10.43	-10.89/-11.31	-10.27/-9.84	-11.02/-12.44	-11.76/-10.53	-8.93/-8.34	-9.19/-11.29	-9.73/-9.25	-10.84/-10.44	-10.15/-10.67	-11.11/-11.9	-12.08/-10.85	-11.94/-10.42	-9.8/-11.54	-11.64/-11.21
Θ (150°)	-11.57/-11.9	-12.22/-12.37	-10.26/-10.64	-10.49/-11.33	-11.41/-10.92	-10.2/-10.65	-12.01/-12.09	-11.09/-10.04	-8.89/-8.47	-8.69/-9.82	-11.15/-12.02	-10.59/-9.91	-10.97/-11.49	-10.7/-11.08	-10.14/-10.33	-10.83/-10.57	-12.23/-11.68	-12.35/-12.41	-12.23/-12.37	-11.13/-10.18	-10.54/-10.3	-9.86/-10.6	-12.6/-12.51	-12.87/-12.13
Θ (157.5°)	-11.7/-12.82	-12.55/-12.19	-11.59/-10.12	-9.9/-10.72	-11.15/-11.87	-11.58/-10.77	-9.72/-9.5	-9.88/-9.42	-9.36/-9.79	-11.25/-11.92	-11.64/-10.53	-11.04/-11.47	-11.73/-12.65	-12.24/-12.57	-12.49/-11.6	-10.47/-11.03	-9.79/-8.71	-8.54/-9.53	-10.18/-10.04	-8.23/-10.37	-12.15/-11.65	-11.69/-11.36	-11.85/-12.08	-12.38/-12.36
Θ (165°)	-10.74/-10.28	-9.66/-9.59	-9.28/-9.4	-10.38/-10.51	-11.32/-11.74	-11.77/-11.65	-11.44/-10.29	-9.76/-9.69	-10.34/-10.66	-10.97/-10.86	-11.72/-12.21	-12.21/-12.17	-12.33/-12.61	-12.03/-12.17	-11.22/-11.05	-11.07/-9.91	-8.82/-9.55	-10.46/-10.59	-10.56/-11.24	-10.86/-11.67	-10.87/-11.52	-12.09/-12.32	-12.3/-12.46	-12.56/-11.81
Θ (172.5°)	-11.54/-11.5	-11.48/-12.24	-12.41/-12.15	-12.73/-12.26	-11.48/-11.94	-11.83/-11.11	-10.93/-10.55	-10.32/-10.06	-11.16/-11.76	-12/-12.38	-11.3/-10.7	-10.35/-10.03	-9.91/-9.45	-8.49/-8.26	-8.68/-8.9	-10/-11.07	-11.23/-10.98	-10.43/-10.31	-10.36/-10.98	-11.22/-12.11	-12.5/-12.08	-11.25/-10.86	-10.63/-10.57	-11.54/-11.68
Θ (180°)	-10.93/-10.69	-10.88/-11.6	-12.07/-11.85	-12.57/-12.28	-12.1/-12.33	-12.06/-12.34	-12.34/-12.31	-11.98/-11.97	-11.89/-11.62	-12.17/-11.83	-11/-10.3	-10.31/-9.99	-10.45/-10.55	-10.49/-10.11	-9.87/-9.71	-9.58/-9.46	-9.84/-9.61	-9.71/-9.34	-9.91/-9.5	-10.62/-11.06	-11.55/-10.98	-10.47/-10.51	-10.06/-10.1	-10.21/-10.79
Freq(Hz)	5.785GPol.	Theta-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	6.91/6.95	6.96/66	6.24/5.68	5/4.87	5.456/06	6.54/6.77	6.83/6.67	6.44/6.11	5.6/4.86	4.24/58	5.44/6.2	6.777/12	7.517.37	7.22/6.87	6.29/5.64	4.94/4.81	5.48/6.03	6.56/76	6.85/6.78	6.51/6.07	5.54/4.81	4.24/4.51	5.36/6.05	6.54/6.85
Θ (7.5°)	7.17/1.08	6.95/6.71	6.23/5.68	5.05/4.76	5.25/5.82	6.33/6.74	6.96/8.1	6.45/6.13	5.69/5.05	4.25/4.19	4.93/5.75	6.256/5.4	6.73/6.85	6.84/6.52	5.91/5.2	4.63/4.69	5.33/5.83	6.23/6.52	6.59/6.5	6.19/5.78	4.62/5.23	5.92/6.48	6.8/7.09	
Θ (15°)	5.94/5.94	5.93/5.87	5.68/5.3	4.65/4.44	4.77/5.3	5.66/5.92	6.26/26	6.11/5.78	5.38/4.79	4.11/4.01	4.65/5.44	5.98/6.19	6.23/6.23	6.26/6.13	5.7/4.92	4.08/3.75	4.17/4.55	4.99/5.45	5.73/5.8	5.69/5.28	5.71/3.95	3.67/4.1	4.83/5.35	5.56/5.83
Θ (22.5°)	5.66/5.9	5.79/5.57	5.23/4.43	3.64/3.78	4.62/5.27	5.46/5.66	5.67/5.52	5.42/5.26	4.74/3.89	3.07/3.21	3.65/4.14	4.69/4.8	4.8/4.82	4.49/3.8	3.13/2.9	2.72/2.8	3.01/3.66	4.65/5.33	5.54/5.35	5.07/4.62	3.95/3.05	2.8/3.57	4.63/5.24	5.38/5.44
Θ (30°)	5.25/5.22	4.91/4.44	4.24/3.5	3.13/2.86	3.76/4.71	5.13/5.47	5.45/5.02	4.44/3.93	3.32/2.45	1.19/1.5	2.48/3.88	4.84/5.06	4.8/3.83	3.1/3.19	3.15/2.33	1.9/2.1	2.52/3.66	4.77/6.6	5.53/4.86	4.37/4.44	4.05/3.07	2.67/3.38	3.63/3.59	3.95/4.12
Θ (37.5°)	5.16/4.26	3.58/3.3	2.79/2.12	1.95/2.6	3.12/3.44	4.15/4.74	4.73/4.17	3.29/2.69	2.32/1.8	0.32/0.11	1.71/3.35	3.87/4.29	3.92/2.96	2.27/2.11	1.81/1.04	1.23/1.78	2.15/3.08	4.29/5.09	5.03/4.4	3.75/3.55	3.08/1.54	1.39/2.22	1.79/2.27	4.11/5.3
Θ (45°)	3.24/2.67	2.53/2.43	1.04/0.49	0.88/1.43	1.25/1.66	2.77/3.65	3.94/2.94	1.57/1.54	1.07/0.51	-1.01/-1.9	0.79/2.28	2.26/3.1	3.8/2.97	1.36/0.37	0.46/0.05	-0.22/0.77	1.85/2.18	2.17/2.92	3.28/3.22	3.07/1.65	0.68/-0.32	-0.35/0.45	1.09/2.48	3.67/3.86
Θ (52.5°)	0.87/0.76	0.99/1.19	-1.27/-2.44	-1.35/-1.16	-0.05/1.15	1.18/1.84	2.1/0.76	-0.23/0.76	0.01/-0.35	-3.41/-4.85	-0.45/0.35	-0.23/1.38	2.18/1.14	0.5/-1.07	-2.27/-3.28	-2.96/-0.87	0.74/1.29	0.59/0.17	0.38/1.23	1.69/0.12	-1.89/-3.3	-3.09/-2.26	-0.60/46	0.83/0.58
Θ (60°)	-3.1/-3.06	-1.5/-0.93	-3.56/-4.99	-4.34/-4.38	-1.81/-0.29	-0.58/-1.89	-1.82/-2.05	-1.89/-1.09	-2.51/-2.95	-5.85/-5.36	-2.91/-1.95	-1.82/-1.65	-2.24/-1.16	-0.51/-0.74	-2.37/-4.55	-4.53/-2.8	-1.74/-0.78	-0.98/-2.62	-2.1/-0.88	0.14/-1.91	-4.71/-5.5	-5.56/-4.66	-2.2/-1.47	-2.55/-2.93
Θ (67.5°)	-6.58/-5.34	-3.47/-2.77	-5.2/-7.97	-7.31/-6.49	-4.14/-1.86	-1.74/-4.57	-5.64/-4.97	-4.21/-2.74	-4.98/-5.7	-7.19/-4.41	-5.84/-4.06	-3.17/-4.26	-4.78/-3.23	-2.18/-2.22	-3.41/-5.18	-6/-4.87	-4.09/-2.58	-2.1/-4.02	-5.02/-3.59	-2.56/-3.49	-6.61/-6.54	-5.96/-5.99	-4.79/-4.54	-3.41/-4.04
Θ (75°)	-8.63/-6.25	-4.28/-3.15	-6.86/-11.57	-9.83/-6.95	-6.95/-3.7	-3.04/-5.09	-6.78/-5.82	-4.33/-4.16	-7.05/-7.11	-6.52/-4.99	-8.62/-6.44	-3.92/-3.6	-5.03/-6.14	-5.41/-3.61	-3.67/-4.98	-7.26/-6.59	-4.94/-4.29	-2.97/-4.36	-5.48/-4.92	-3.68/-3.17	-8/-7.08	-5.27/-5.65	-5.31/-6.86	-5.74/-4.74
Θ (82.5°)	-9.66/-6.38	-5.8/-4.27	-9.4/-12.22	-10.28/-8.42	-8.79/-4.96	-3.8/-5.12	-8.01/-6.75	-5.37/4.57	-6.31/-6.73	-7.11/-7.3	-8.99/-7.09	-5.69/-4.94	-6.43/-6.98	-7.1/-7.52	-7.07/-7.6	-6.42/-8.3	-7.16/-4.04	-3.08/-5.33	-7.34/-5.84	-3.29/-3.48	-9.67/-7.58	-5.26/-5.74	-6.43/-9.3	-7.43/-6.69
Θ (90°)	-11.94/-9.84	-8.15/-6.54	-10.9/-11.68	-10.97/-9.35	-8.9/-6.91	-6.22/-6.52	-9.54/-6.85	-6.12/-5.19	-5.93/-8.04	-7.05/-7.56	-8.58/-7.85	-9.48/-6.21	-7.77/-7.03	-7.85/-8.48	-8.3/-9.45	-8.28/-7.7	-10.02/-6.19	-4.02/-5	-7.81/-7.51	-5.49/-5.21	-11.24/-9.85	-7.03/-8.66	-7.76/-10.78	-7.82/-8.63
Θ (97.5°)	-9.85/-11.15	-9.35/-7.96	-11.67/-10.93	-10.75/-10.45	-8.61/-8.8	-7.77/-8.13	-9.95/-7.2	-6.62/-6.57	-7.94/-9.75	-8.17/-9.22	-7.48/-9.02	-11.06/-8.4	-7.82/-6.52	-8/-10.43	-8.18/-9.57	-10.14/-9.22	-10.59/-9.62	-7.42/-6.64	-9.26/-10.47	-9.95/-7.81	-11.17/-10.23	-11.63/-11.76	-8.98/-10.08	-8.7/-7.93
Θ (105°)	-11.49/-8.65	-7.65/-9.17	-12.29/-12.17	-11.28/-11.07	-9.34/-11.18	-10/-9.81	-10.74/-8.93	-8.01/-8.02	-9.29/-10.5	-8.67/-9.1	-9.23/-9.91	-11.47/-10.27	-8.2/-6.24	-7.29/-9.42	-10.84/-9.03	-9.39/-10.74	-11.23/-11.85	-9.98/-7.94	-9.13/-11.14	-11.4/-9.95	-11.94/-9.71	-12.86/-10.71	-8.85/-6.6	-7.66/-12.08
Θ (112.5°)	-9.71/-9.1	-8.2/-10.37	-11.39/-12.68	-12.02/-9.95	-10.43/-10.32	-9.28/-11	-11.21/-10.2	-8.9/-10.51	-11.86/-11.82	-8.46/-9.71	-9.82/-9.39	-11.47/-11.52	-8.68/-7.76	-7.29/-10.04	-11.59/-10.86	-11.32/-8.74	-10.14/-11.59	-10.56/-8.94	-9.68/-11.08	-10.3/-7.79	-10.4/-10.22	-9.91/-6.04	-9.62/-9.43	-8.34/-10.63
Θ (120°)	-10.02/-12.14	-10.53/-11.26	-11.52/-11.25	-11.74/-12.67	-11.64/-9.71	-10.4/-12.27	-10.78/-11.12	-10.89/-11.22	-11.45/-11.08	-10.1/-10.65	-9.67/-9.48	-11.76/-12.14												



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Gain Result

245GPa		PhiAnt.1																																									
Gain	Phi(75°)Phi(7.5°)	Phi(15°)Phi(22.5°)	Phi(30°)Phi(37.5°)	Phi(45°)Phi(52.5°)	Phi(60°)Phi(67.5°)	Phi(75°)Phi(82.5°)	Phi(90°)Phi(97.5°)	Phi(105°)Phi(112.5°)	Phi(120°)Phi(127.5°)	Phi(135°)Phi(142.5°)	Phi(150°)Phi(157.5°)	Phi(165°)Phi(172.5°)	Phi(180°)Phi(187.5°)	Phi(195°)Phi(202.5°)	Phi(210°)Phi(217.5°)	Phi(225°)Phi(232.5°)	Phi(240°)Phi(247.5°)	Phi(255°)Phi(262.5°)	Phi(270°)Phi(277.5°)	Phi(285°)Phi(292.5°)	Phi(300°)Phi(307.5°)	Phi(315°)Phi(322.5°)	Phi(330°)Phi(337.5°)	Phi(345°)Phi(352.5°)																			
Theta(°)	3.212/0.9	0.641/1.9	-3.84/-7.94	-1.66/-18.74	-8.78/-4.36	-1.57/-40.8	2.01/2	4.19/4.95	5.54/5.9	6.07/0.08	5.93/6.53	5.18/4.53	3.63/2.51	0.98/-0.99	-3.75/-7.87	-15.09/-14.65	-7.82/-3.9	-1.22/0.71	2.12/3.23	4.14/7.8	5.27/6.62	5.84/5.86	6.33/6.34	4.81/4.09																			
Theta(75°)	4.25/3.17	1.82/0.07	-2.39/-6.12	-12.92/-18.87	-8.27/-4.48	-1.60/39	1.83/2.93	3.87/4.53	4.95/5.2	5.23/5.11	4.82/4.41	3.85/3.1	2.14/0.87	-0.76/-2.95	-6.13/-11.35	-17.13/-14.03	-7.27/-3.48	-0.81/18	2.65/3.8	4.67/5.34	5.85/6.25	6.49/6.16	5.65/4.98																				
Theta(15°)	4.28/3.34	2.08/0.46	-1.86/-5.3	-11.29/-18.6	-10.15/-5.11	-2.17/-0.17	1.23/2.3	3.18/3.84	4.28/4.54	4.64/4.6	4.15/6.9	3.09/2.31	1.27/-0.06	-1.87/-4.3	-7.84/-13.91	-18.88/-13.43	-7.51/-4.04	-1.50/-46	1.99/3.24	4.24/4.93	5.55/5.94	6.25/6.39	6.37/6.14	5.68/5.03																			
Theta(22.5°)	3.35/2.56	1.58/0.13	-2.04/-5.51	-11.73/-17.65	-10.33/-5.24	-2.27/-0.24	1.18/2.26	3.08/3.66	4.01/4.21	4.21/4.04	3.66/3.1	2.21/1.51	0.39/-1.38	-3.33/-6.41	-7.12/-18.61	-18.95/-11.22	-7.38/-4.88	-2.89/-1.14	0.48/1.92	3.12/4.01	4.61/5.01	5.25/5.32	5.28/5.1	4.77/4.09																			
Theta(30°)	1.66/1.15	0.43/-0.75	-2.81/-6.26	-12.73/-19.3	-10.84/-5.27	-2.14/0	1.49/2.58	3.4/3.93	4.26/4.37	4.34/4.52	3.77/3.27	2.61/1.74	0.66/-0.75	-2.71/-5.61	-10.46/-18.59	-17.52/-10.46	-7.46/-5.84	-4.53/-2.95	-1.11/0.73	2.3/4.45	4.18/4.53	4.56/4.33	3.96/3.55	3.05/2.39																			
Theta(37.5°)	-0.6/-0.75	-0.95/-1.72	-3.5/-6.71	-12.44/-19.59	-9.64/-4.43	-1.46/-40.8	1.91/0.31	3.87/4.47	4.84/4.95	4.84/4.52	4.03/3.33	2.47/1.38	0.13/-1.51	-3.74/-7.07	-13.08/-17.37	-12.91/-8.55	-6.68/-6.12	-5.72/-4.38	-2.14/0.08	1.85/3.15	4.4/4.5	4.47/4.04	3.19/2.11	10.01																			
Theta(45°)	-4.78/-4.49	-3.63/-3.53	-4.56/-7.13	-11.3/-13.82	-7.77/-3.35	-0.80/-91	2.22/3.3	4.12/4.66	4.99/5.11	5.14/5.91	4.56/3.97	3.16/2.06	0.77/-1.01	-3.21/-6.35	-11.58/-17.68	-14.57/-9.43	-7.35/-7.26	-8.79/-6.42	-3.23/-0.49	1.56/2.95	3.91/5.53	4.73/4.45	3.54/1.93	-0.3/-2.91																			
Theta(52.5°)	-7.35/-9.9	-8.43/-4.66	-8.03/-10.17	-13.86/-15.02	-8.51/-4.16	-1.49/-40.8	2.03/3.28	4.09/4.52	4.71/4.76	4.79/4.75	4.46/3.76	2.66/2.13	-0.31/-3.26	-5.07/-8.7	-14.83/-18.49	-13.67/-9.42	-7.76/-8.32	-9.9/-8.47	-4.65/-6.16	0.66/2.31	3.47/4.24	4.57/4.43	3.72/2.31	-0.05/-3.28																			
Theta(60°)	-7.86/-10.53	-9.79/-9.88	-11.79/-16.3	-18.48/-14.62	-9.41/-5.9	-3.22/-0.96	0.82/0.6	2.79/3.08	3.11/3.12	3.23/3.43	3.51/3.26	2.61/1.55	-0.13/-1.83	-4.32/-7.51	-13.48/-18.83	-15.87/-10.5	-8.4/9.24	-13.51/-13.37	-7.25/-3.18	-0.49/1.33	2.59/3.37	3.63/3.31	2.51/-11	-1.21/-4.9																			
Theta(67.5°)	-13.1/-17.61	-10.55/-8.42	-8.93/-10.61	-16.61/-9.97	-4.71/-5.09	-2.93/-1.11	0.34/1.37	1.97/2.15	2.14/2.16	2.37/2.69	2.84/2.63	1.74/2.40	-0.53/-4.04	-7.21/-11.62	-17.38/-18.04	-17.71/-12.22	-10.44/-12.29	-18.11/-13.33	-6.6/-8.27	-0.66/0.79	1.77/2.38	2.56/2.21	1.33/-0.05	-2.66/-6.06																			
Theta(75°)	-10.63/-17.51	-18.64/-13.76	-12.41/-12.94	-13.35/-11.82	-9.19/-6.39	-4.05/-2.31	-0.95/0.15	0.85/1.1	1.14/1.17	1.31/1.49	1.57/1.29	0.53/-0.59	-2.07/-4.06	-6.9/-11.52	-18.23/-19.23	-18.84/-14.78	-12.26/-13.42	-17.81/-13.53	-7.62/-4.57	-2.71/-1.44	-0.53/-0.09	-0.13/-0.49	-1.19/-2.2	-3.84/-6.4																			
Theta(82.5°)	-14.06/-18.39	-19.01/-15.64	-13.73/-13.54	-13.11/-15.88	-9.44/-7.06	-5.48/-4.69	-3.89/-2.88	-1.99/-1.55	-1.35/-1.14	-0.81/-0.45	-0.23/-0.41	-1.23/-2.38	-4.05/-6.92	-11.46/-18.34	-18.22/-18.87	-17.48/-17.73	-17.72/-18.65	-17.9/-12.53	-8.86/-6.69	-4.72/-2.94	-1.69/-1.16	-1.51/-2.58	-3.87/-5.15	-6.89/-9.53																			
Theta(90°)	-14.58/-19.34	-19.02/-15.42	-14.57/-14.22	-13.78/-12.69	-9.83/-6.88	-5.19/-4.62	-4.61/-3.33	-3.74/-3.24	-2.84/-2.52	-2.1/-1.68	-1.28/-1.4	-2.2/-3.68	-6.03/-9.69	-13.91/-16	-14.63/-15.86	-19.21/-17.5	-14.7/-15.27	-16.78/-12.53	-17.82/-13.06	-8.35/-6.46	-3.89/-3.31	-3.61/-4.91	-6.67/-7.9	-8.9/-10.49																			
Theta(97.5°)	-17.44/-18.55	-18.81/-17.56	-18.01/-16.24	-17.01/-19.46	-16.25/-11.49	-8.96/-7.9	-7.5/-6.9	-5.92/-0.59	-4.46/-4.01	-3.61/-3.31	-3.25/-3.94	-5.29/-6.81	-8.95/-11.93	-14.83/-15.99	-14.84/-18.86	-18.15/-18.24	-18.55/-19.34	-18.13/-17.34	-16.65/-17.27	-8.14/-6.46	-5.89/-6.07	-6.78/-8.16	-10.14/-11.7	-12.35/-14.28																			
Theta(105°)	-15.93/-16.87	-18.23/-17.86	-18.25/-16.68	-14.83/-16.86	-19.48/-16.49	-13.27/-11.34	-10.12/-8.82	-7.3/-6.08	-5.26/-4.88	-4.57/-6.61	-5.03/-6.12	-10.41/-11.25	-12.13/-14.9	-15.88/-16.05	-16.14/-17.04	-19.84/-18.91	-18.41/-18.22	-19.36/-13.73	-10.54/-9.03	-8.61/-9.33	-11.21/-13.32	-14.69/-15.25	-14.88/-12.95																				
Theta(112.5°)	-18.93/-19.29	-19.26/-17.23	-16.51/-13.35	-12.23/-12.96	-14.55/-14.73	-12.93/-11.31	-10.68/-10.56	-9.87/-8.52	-7.35/-6.75	-6.5/-6.66	-6.84/-9.23	-10.41/-11.84	-14.2/-17.95	-17.66/-17.5	-18.75/-18.56	-18.84/-18.51	-18.44/-18.98	-18.74/-14.2	-11.05/-9.79	-9.39/-9.61	-10.94/-12.75	-13.61/-13.32	-13.24/-13.74																				
Theta(120°)	-16.26/-14.17	-14.74/-18.75	-18.37/-18.08	-17.53/-16.37	-16.23/-15.35	-12.94/-10.3	-8.71/-8.1	-7.68/-7.13	-6.59/-6.48	-6.92/-7.89	-9.02/-10.2	-12.07/-14.64	-15.67/-15.91	-16.18/-16.55	-15.63/-15.66	-16.19/-16.59	-16.17/-14.78	-14.51/-17.93	-18.39/-17.75	-13.1/-12.3	-13.02/-13.9	-15.17/-17.46	-17.57/-18.57	-18.24/-17.51																			
Theta(127.5°)	-16.4/-12.56	-10.8/-10.48	-11.47/-13.34	-16.53/-13.81	-18.48/-18.09	-17.47/-12.82	-10.08/-8.77	-8.34/-8.13	-8.21/-8.59	-9.35/-10.23	-10.45/-10.71	-11.09/-11.58	-12.43/-14.57	-17.43/-17.96	-17.75/-17.9	-18.46/-18.44	-18.55/-18.74	-17.99/-17.99	-18.25/-15.23	-12.85/-12.58	-13.12/-13.26	-12.87/-12.3	-12.19/-13.13	-15.71/-19.1																			
Theta(135°)	-16.3/-16.55	-14.07/-11.99	-10.85/-10.74	-11.53/-13.07	-14.58/-14.79	-13.1/-12.34	-8.14/-6.65	-5.75/-5.36	-5.39/-5.77	-6.46/-7.24	-8.65/-10.94	-13.95/-18.14	-16.31/-18.87	-18.26/-17.99	-18.37/-15.82	-14.54/-14.31	-17.05/-17.17	-18.37/-18.63	-18.82/-18.6	-18.35/-18.91	-18.35/-17.2	-18.26/-17.92	-17.69/-18.34																				
Theta(142.5°)	-18.37/-18.65	-18.01/-18.4	-15.85/-14.51	-14.25/-15.04	-16.73/-19.34	-18.16/-19.2	-15.7/-13.44	-12.1/-12.1	-11.27/-11.82	-12.74/-13.87	-15.63/-16.93	-16.11/-15.16	-14.96/-14.63	-14.62/-15.24	-15.66/-14.99	-13.86/-13.08	-13.08/-13.9	-15.45/-17.51	-17.87/-18.68	-17.21/-16.59	-13.84/-13.21	-13.48/-14.69	-16.81/-19.98	-17.88/-17.27																			
Theta(150°)	-18.38/-17.97	-18.33/-18.07	-18.54/-13.87	-17.57/-16.63	-17.23/-18.46	-19.02/-18.94	-17.43/-19.25	-18.75/-18.97	-18.49/-16.11	-13.95/-13.21	-11.1/-10.25	-10.09/-10.54	-11.49/-13.18	-15.27/-17.13	-16.62/-15.84	-15.35/-15.69	-16.78/-17.42	-17.85/-18.01	-17.78/-17.58	-17.14/-16.29	-14.69/-13.59	-13.07/-13.37	-14.47/-16.1	-18.36/-18.09																			
Theta(157.5°)	-17.12/-18.06	-18.44/-18.35	-17.87/-18.64	-17.55/-16.99	-16.65/-16.17	-15.61/-14.57	-13.42/-12.5	-12.06/-12.2	-12.63/-13.11	-13.5/-14.25	-14.74/-15.18	-16.46/-18.47	-18.55/-18.52	-17.36/-18.66	-17.38/-18.1	-18.64/-17.62	-17.71/-19.05	-18.23/-18.99	-18.58/-17.69	-19.12/-18.71	-17.22/-18.52	-18.93/-18.12	-18.48/-19.02	-18.53/-17.62																			
Theta(165°)	-18.88/-17.84	-18.24/-18.11	-18.53/-18.36	-18.86/-18.85	-18.61/-18.7	-17.96/-17.82	-15.28/-13.31	-12.08/-11.75	-11.91/-12.36	-12.96/-13.54	-14.04/-14.59	-15.32/-16.22	-16.8/-16.91	-17.11/-18.3	-18.28/-18.72	-19.61/-19.05	-18.22/-17.9	-18.53/-17.25	-16.33/-15.5	-14.4/-13.48	-13.01/-13.09	-13.77/-15.32	-17.96/-17.5	-18.98/-18.6																			
Theta(172.5°)	-16.68/-17.82	-16.65/-18.09	-16.11/-16.1	-16.99/-17.42	-19.24/-18.52	-17.84/-18.7	-19.05/-18.65	-17.53/-19.65	-18.06/-17.59	-15.7/-15.43	-14.98/-14.95	-17.62/-18.61	-17.26/-18.51	-18.38/-18.31	-18.33/-18.21	-17.31/-18.21	-16.28/-15.41	-17.43/-14.55	-14.8/-14.93	-14.7/-14.1	-13.72/-13.92	-14.39/-15.74	-18.2/-17.91	-17.68/-17.73																			
Theta(180°)	-18.06/-14.78	-13.63/-13.46	-13.35/-13.34	-13.24/-13.13	-13.24/-13.52	-13.92/-14.34	-14.77/-15.64	-16.88/-18.37	-19.56/-18.23	-19.38/-18.01	-14.92/-18.15	-16.71/-14.43	-13.76/-13.55	-17.42/-15.72	-14.67/-14.43	-13.76/-13.55	-14.12/-14.6	-15.08/-16.02	-17.41/-18.93	-17.66/-18.93	-18.79/-18.79	-17.3/-18.08	-17.31/-19.33	-17.08/-17.6																			
Freq(Hz)	245GPa	ThetaAnt.1	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+																				
Gain	Phi(75°)Phi(7.5°)	Phi(15°)Phi(22.5°)	Phi(30°)Phi(37.5°)	Phi(45°)Phi(52.5°)	Phi(60°)Phi(67.5°)	Phi(75°)Phi(82.5°)	Phi(90°)Phi(97.5°)	Phi(105°)Phi(112.5°)	Phi(120°)Phi(127.5°)	Phi(135°)Phi(142.5°)	Phi(150°)Phi(157.5°)	Phi(165°)Phi(172.5°)	Phi(180°)Phi(187.5°)	Phi(195°)Phi(202.5°)	Phi(210°)Phi(217.5°)	Phi(225°)Phi(232.5°)	Phi(240°)Phi(247.5°)	Phi(255°)Phi(262.5°)	Phi(270°)Phi(277.5°)	Phi(285°)Phi(292.5°)	Phi(300°)Phi(307.5°)	Phi(315°)Phi(322.5°)	Phi(330°)Phi(337.5°)	Phi(345°)Phi(352.5°)																			
Theta(°)	1.24/2.4	3.1/3.96	4.4/7.8	5.015/0.9	4.994/8.5	4.08/2.5	2.1/3.83	-1.78/-2.55	-4.82/-8.11	-18.41/-18.9	-10.77/-5.6	-2.55/-0.4	1.17/2.35	3.28/3.96	4.44/7.8	4.96/5.01	4.87/4.58	4.09/3.38	2.42/1.25	-0.43/-2.52	-5.29/-9.41	-17.46/-18.69	-10.77/-5.42	-2.45/-0.3																			
Theta(75°)	1.89/3.06	3.94/4.57	5.03/5.32	5.075/4.27	5.34/8.8	4.2/3.3	2.10/6.3	-0.12/-3.93	-8.48/-9.74	-12.81/-18.49	-10.15/7.53	-2.99/-1.05	0.39/1.55	2.44/3.13	3.66/4.03	4.29/4.42	4.43/4.26	3.9/3.3	2.42/1.25	-0.32/-2.32	-5.8/9.3	-15.49/-16.28	-9.04/-4.71	-1.75/0.3																			
Theta(15°)	2.17/3.22	4.03/4.61	5.03/5.26	5.38/5.3	5.09/4.65	4.02/3.15	2.03/5.6	-1.23/-3.3	-5.99/-6.67	-16.61/-17.7	-11.44/-6.79	-4.03/-2.05	-0.56/0.6	1.53/2.27	2.85/3.26	3.55/3.73	3.81/3.75	3.47/2.98	2.22/1.13	-0.44/-2.52	-5.25/-8.96	-12.84/-11.06	-6.83/-3.57	-1.12/0.81																			
Theta(22.5°)	2.22/3.13	3.79/4.27	4.61/4.82	4.91/4.83	4.51/4.03	3.42/4.9	1.3/-0.22	-2.18/-4.57	-7.69/-11.61	-17.65/-18.06	-11.22/-7.17	-4.55/-2.73	-1.45/-0.33	0.61/1.33	1.87/2.4	2.51/2.66	2.75/2.67	2.43/1.96	1.19/-0.02	-1.82/-4.37	-7.17/-11.67	-11.64/-8.74	-4.55/-2.19	-0.31/-1.4																			
Theta(30°)	1.79/2.53	3.05/3.39	3.61/3.73	3.73/3.57	3.29/2.88	2.26/1.36	0.07/1.63	-3.95/-6.82	-10.68/-14.83	-17.97/-16.68	-12.46/-8.61	-6.1/-4.1	-2.81/-1.67	-0.59/0.32	1.04/1.43	1.54/1.52	1.43/-1.29	1.05/0.62	-0.06/-1.25	-3.22/-4.22	-11.05/-17.3	-13.68/-7.76	-4.29/-2.03	-0.38/0.96																			
Theta(37.5°)	0.58/1.35	1.83/2.1	2.24/2.22	2.03/1.82	1.63/1.26	0.61/0.34	-1.61/-3.27	-5.49/4.48	-12.89/-17.29	-18.61/-19.17	-14.46/-10.34	-7.03/-4.81	-3.44/-2.45	-1.59/-0.81	-0.26/0.02	0.05/0.1	0.04/0.19	-0.46/-0.81	-1.39																								



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ(22.5°)	0.87/-0.94	-3.49/-5.87	-7.82/-10.18	-16.36/-17.81	-10.95/-6.2	-2.87/-0.46	1.25/2.52	3.39/3.93	4.24/4.45	4.46/4.31	4.13/3.74	2.96/1.95	0.61/-1.4	-4.12/-8.58	-18.05/-17.05	-10.6/-8.93	-8.57/-6.27	-3.36/-1.07	0.41/-1.6	2.59/3.24	3.63/3.78	3.64/3.32	2.91/2.48	2.15/1.68
Θ(30°)	1.18/-0.1	-2.59/-5.87	-6.91/-8.21	-11.32/-17.61	-12.02/-5.8	-1.24/-0.3	2.16/2.62	2.93/3.29	3.64/3.87	4.02/3.96	3.77/3.38	2.75/1.9	0.8/-1.05	-3.9/-7.87	-14.38/-16.9	-12.26/-12.02	-10.08/-6.72	-3.91/-1.19	0.64/-1.96	2.93/2.4	3.33/3.47	3.63/3.86	3.67/2.87	2.13/1.65
Θ(142.5°)	1.45/0.05	-2.42/-5.54	-6.88/-7.16	-10.53/-18.6	-11.07/-4.52	-1.20/0.43	1.14/1.51	2.05/2.6	3.2/3.5	3.83/3.03	2.47/2.06	1.57/0.49	-1.2/-4.3	-4.21/-8.19	-14.79/-17.84	-13.22/-10.93	-9.48/-7.42	-4.15/-1.61	0.72/2.48	3.48/3.81	3.83/3.83	3.73/3.45	3.26/3.1	2.61/1.93
Θ(45°)	1.48/0.17	-2.2/-4.73	-8.42/-9.9	-16.14/-18.29	-11.04/-4.71	-1.88/0.4	0.32/1.21	2.22/93	3.33/3.42	3.17/2.48	1.81/1.34	0.99/0.18	-0.62/-2.04	-4.18/-7.47	-12.96/-17.85	-18.44/-19.16	-12.69/-6.69	-3.33/-1.14	0.59/1.6	1.94/2.27	2.52/7.2	2.92/2.77	2.01/1.18	1.29/1.45
Θ(52.5°)	1.22/-0.54	-3.03/-5.1	-8.67/-13.92	-18.44/-15.9	-9.99/-5.94	-2.08/-0.53	0.67/1.57	1.86/2.39	3.18/3.46	2.93/2.11	1.33/0.68	0.41/0.19	-0.92/-3.66	-6.19/-6.75	-8.74/-12.48	-13.46/-13.45	-11.57/-6.72	-4.52/-2.74	-1.28/-0.24	0.79/1.84	1.17/0.21	0.14/0.3	0.25/-0.18	0.07/0.73
Θ(60°)	0.53/-0.9	-3.74/-6.19	-10.96/-16.91	-18.66/-14.99	-11.73/-5.13	-2.15/-0.98	-0.11/0.49	0.99/1.86	2.77/3.18	2.74/2.26	1.66/0.41	-0.71/-0.58	-0.95/-2.22	-4.09/-6.46	-9.29/-16.47	-13.23/-12.54	-9.14/-6.87	-4.61/-4.35	-4.14/-2.79	-1.81/-1.54	-2.52/-4.05	-3.82/-2.57	-0.41/0.4	0.77/0.2
Θ(67.5°)	-0.77/-2.87	-5.19/-7.75	-12.13/-19.74	-17.49/-16.04	-11.13/-5.24	-2.64/-2.18	-1.67/-1.47	-0.72/0.84	1.75/1.69	1.29/1.13	0.89/-0.77	-2.31/-1.84	-2.19/-4.41	-6.23/-7.41	-9.45/-15.34	-12.48/-13.51	-8.28/-5.67	-4.51/-5.77	-3.97/-2	-1.24/-1.64	-2.77/-3.41	-3.25/-2.23	-0.34/1.34	1.12/0.1
Θ(75°)	-2.9/-5.63	-6.51/-8.1	-14.25/-19.07	-18.64/-16.77	-10.58/-6.21	-4.61/-3.93	-3.91/-3.74	-2.51/-0.83	0.04/-0.42	-1.06/-0.86	-0.92/-1.79	-3.8/-4.57	-4.34/-4.46	-6.43/-8.85	-10.84/-17.75	-12.57/-14.51	-10.36/-6.96	-4.61/-6.78	-3.23/-1.67	-0.26/-0.67	-2.22/-2.59	-4.23/-3.19	-1.08/-0.08	-0.09/-1.98
Θ(82.5°)	-6.12/-8.82	-8.48/-10	-14.51/-18.58	-19.35/-16.82	-13.51/-8.7	-6.36/-6.34	-6.43/-5.73	-3.94/-2.26	-1.77/-2.66	-3.24/-2.56	-1.97/-3.46	-7.63/-6.23	-5.73/-7.42	-8.73/-11.95	-15.7/-18	-15.68/-16.47	-12.98/-8.2	-6.01/-7.33	-2.96/-2.22	-1.11/-1.48	-2.01/-2.96	-6.12/-5.76	-2.92/-2.45	-2.58/-4.08
Θ(90°)	-9.38/-11.46	-10.71/-11.81	-15.17/-18.17	-17.28/-18.66	-14.94/-11.74	-8.79/-8.88	-9.35/-8.4	-5.98/-4.1	-3.87/-5.14	-5.71/-4.95	-4.84/-5.35	-7.51/-8.51	-8.98/-7.21	-10.02/-13.8	-13.94/-17.84	-17.16/-17.84	-17.67/-12.29	-9.24/-8.61	-4.14/-4.28	-2.83/-3.17	-3.77/-5.38	-9.5/-9.02	-5.68/-5.63	-5.36/-7.18
Θ(97.5°)	-13.2/-13.39	-11.81/-14.92	-15.4/-18.7	-17.86/-19.38	-17.52/-15.35	-11.44/-11.48	-10.85/-9.51	-7.19/-5.89	-5.99/-6.93	-7.09/-6.25	-6.36/-7.72	-10/-9.11	-10.02/-11.5	-11.79/-12.17	-17.94/-17.65	-18.99/-17.93	-18.96/-16.77	-15.55/-11.54	-6.77/-6.41	-6.66/-7	-6.75/-9.45	-15.07/-12.6	-8.15/-8.77	-8.66/-9.46
Θ(105°)	-15.45/-16.12	-12.24/-15.3	-18.14/-15.61	-18.94/-18.26	-16.66/-19.28	-14.16/-12.75	-12/11.05	-9.43/-7.53	-8.04/-9.51	-8.6/-8.17	-9.61/-10.73	-12.48/-10.3	-12.65/-12.64	-14.81/-18.36	-16.16/-17.52	-18.55/-18.3	-17.47/-19.08	-13.22/-11.46	-13.64/-12.6	-14.8/-16.94	-17.95/-13.1	-10.56/-11.82	-13.43/-15.37	
Θ(112.5°)	-14.38/-18.33	-12.76/-19.38	-17.92/-18.1	-18.21/-17.76	-18.93/-15.82	-13.94/-14.38	-13.73/-12.47	-11.2/-9.7	-10.1/-10.8	-10.29/-8.86	-10.14/-11.56	-14.46/-12.41	-11.61/-12.87	-14.46/-15.81	-17.52/-18.1	-19.12/-18.17	-19.26/-18.19	-18.57/-18.19	-15.39/-12.29	-16.39/-15.75	-15.77/-14.62	-12.73/-13.92	-15.22/-17.27	-13.91/-14.48
Θ(120°)	-12.61/-18.3	-15.24/-17.28	-18.24/-17.52	-19.08/-17.52	-17.59/-17.17	-17.14/-16.88	-16.63/-15.94	-15.09/-13.69	-12.84/-11.93	-12.79/-13.72	-12.26/-10.93	-15.78/-15.15	-16.62/-17.88	-18.76/-18.25	-18.46/-18.21	-16.51/-16.3	-15.54/-14.53	-15.99/-12.85	-11.87/-18.78	-19.25/-17.07	-10.95/-11.74			
Θ(127.5°)	-15.76/-16.76	-16.64/-19.39	-18.67/-18.96	-18.92/-18	-17.46/-17.83	-17.97/-18.66	-19.06/-16.89	-16.34/-14.5	-12.94/-13.47	-13.92/-13.56	-11.87/-11.87	-13.45/-14.59	-15.37/-18.84	-18.02/-14.22	-15.51/-14.7	-17.24/-18.53	-18.93/-17.99	-17.94/-18.81	-18.34/-17.46	-15.11/-11.51	-12.37/-12.7	-14.71/-18.78	-18.99/-18.83	-15.84/-17.75
Θ(135°)	-18.72/-18.85	-19.01/-18.71	-18.44/-18.12	-17.76/-17.97	-18.31/-18.79	-18.35/-18.99	-18.31/-18.61	-16.54/-14.22	-12.97/-13.69	-15.45/-15.59	-15.74/-18.78	-18.32/-16.25	-15.39/-17.82	-18.23/-17.35	-17.74/-18.47	-18.15/-18.42	-18.34/-18.05	-17.19/-18.74	-18.88/-18.98	-18.89/-17.86	-15.08/-11.83	-12.38/-15.5	-18.87/-18.1	-17.91/-18.56
Θ(142.5°)	-18.26/-18.96	-16.52/-17.81	-18.83/-17.86	-18.17/-17.47	-17.91/-18.82	-18.08/-19.08	-19.35/-16.76	-17.95/-19.08	-15.31/-13.33	-12.59/-13.26	-13.46/-14.5	-13.53/-17.29	-18.95/-18.2	-18.59/-18.22	-18.31/-18.34	-18.15/-18.47	-18.31/-17.38	-18.5/-18.94	-17.9/-18.86	-18.05/-18.05	-18.71/-17.75	-18.31/-18.56	-19.48/-17.35	-18.29/-19.32
Θ(150°)	-17.62/-18.84	-17.65/-18.78	-19.05/-19.59	-18.57/-18.5	-18.68/-18.14	-19.04/-19.98	-18.94/-17	-17.75/-17.21	-17.28/-18.76	-18.51/-18.75	-18.67/-17.72	-18.68/-17.53	-18.8/-18.7	-17.78/-19.1	-18.69/-18.51	-17.29/-18.63	-19.35/-19.02	-17.87/-18.88	-18.35/-18.99	-18.06/-18.65	-15.27/-15.28	-18.89/-18.04	-18.32/-18.01	-18.8/-17.83
Θ(157.5°)	-19.13/-18.47	-18.38/-18.48	-18.96/-19.65	-18.42/-17.69	-19.19/-17.21	-17.7/-18.92	-19.31/-17.17	-18.33/-17.55	-18.6/-17.43	-16.39/-15.24	-13.77/-14.67	-18.15/-17.44	-16.46/-14.51	-14.25/-17.39	-18.97/-18.91	-18.38/-18.45	-17.94/-17.97	-18.02/-17.67	-19.05/-18.66	-17.57/-18.4	-18.8/-18.09	-18.47/-17.25	-19.28/-19.2	-19.01/-17.78
Θ(165°)	-17.97/-18.11	-18.73/-17.81	-17.95/-17.62	-16.36/-17.22	-18.88/-17.88	-17.81/-18.97	-18.18/-18.3	-19.17/-17.39	-17.84/-18.08	-18.26/-19.3	-18.27/-19.09	-18.15/-18.4	-17.61/-17.03	-18.79/-17.12	-17.2/-17.64	-17.37/-18.99	-19.09/-18.52	-18.52/-17.78	-18.89/-18.69	-18.46/-18.16	-18.76/-18.71	-18.6/-18.59	-17.92/-17.2	-19.35/-18.93
Θ(172.5°)	-17.37/-18.61	-18.47/-19.73	-18.56/-19.13	-18.36/-18.62	-17.9/-18.75	-17.78/-17.99	-18.21/-18.69	-17.98/-18.83	-17.91/-17.78	-19.07/-18.44	-17.38/-18.07	-19.02/-18.72	-18.63/-17.94	-18.67/-17.5	-17.22/-15.77	-17.13/-18.26	-18.06/-18.3	-17.64/-17.4	-17.85/-18.36	-18.31/-18.1	-19.04/-18.09	-18.9/-19.24	-18.85/-18.16	-18.12/-18.26
Θ(180°)	-17.81/-16.54	-15.61/-15.91	-16.71/-17.127	-18.01/-18.54	-18.69/-18.86	-17.92/-18.68	-18.43/-18.11	-18.31/-18.45	-17.57/-17.53	-18.74/-18.1	-17.67/-18.73	-18.84/-18.87	-18.93/-18.39	-18.82/-14.46	-11.93/-11.45	-12.44/-12.98	-13.02/-12.56	-12.89/-13.99	-16.52/-15.82	-15.97/-17.3	-18.42/-19.19	-19.19/-18.02	-17.71/-17.48	-16.99/-16.79
Freq(Hz)	5.3GPol.	Theta/Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)*Φ(7.5°)	Φ(15°)*Φ(22.5°)	Φ(30°)*Φ(37.5°)	Φ(45°)*Φ(52.5°)	Φ(60°)*Φ(67.5°)	Φ(75°)*Φ(82.5°)	Φ(90°)*Φ(97.5°)	Φ(105°)*Φ(112.5°)	Φ(120°)*Φ(127.5°)	Φ(135°)*Φ(142.5°)	Φ(150°)*Φ(157.5°)	Φ(165°)*Φ(172.5°)	Φ(180°)*Φ(187.5°)	Φ(195°)*Φ(202.5°)	Φ(210°)*Φ(217.5°)	Φ(225°)*Φ(232.5°)	Φ(240°)*Φ(247.5°)	Φ(255°)*Φ(262.5°)	Φ(270°)*Φ(277.5°)	Φ(285°)*Φ(292.5°)	Φ(300°)*Φ(307.5°)	Φ(315°)*Φ(322.5°)	Φ(330°)*Φ(337.5°)	Φ(345°)*Φ(352.5°)
Θ(0°)	-0.52/0.54	1.54/2.22	2.75/3.05	3.23/3.23	3.19/2.99	2.53/2.1	1.64/0.59	-1.36/-3.48	-5.48/-8.37	-14.85/-18.1	-13.59/-8.5	-5.39/-2.74	-0.78/0.58	1.59/2.23	2.72/91	3.09/3.24	3.23/3.05	2.65/1.91	0.78/-0.48	-1.77/-3.44	-6.02/-9.98	-17.37/-19.22	-11.15/-6.44	-3.57/-1.71
Θ(7.5°)	-0.77/0.28	1.19/1.79	2.28/2.64	2.89/3.1	3.31/3.31	2.76/2.08	1.37/0.38	-1.23/-3.52	-6.1/-9.48	-17.33/-18.12	-11.12/-6.14	-3.38/-1.68	-0.23/-2.3	2.2/2.85	3.06/3.05	2.95/2.49	2.01/1.29	0.1/-1.51	-3.29/-5.56	-8.75/-14.1	-18.88/-16.67	-10.36/-6.82	-4.25/-2.24	
Θ(15°)	-0.70/0.22	1.03/1.4	1.66/1.86	2.05/2.27	2.53/2.42	2.13/1.76	1.24/0.45	-0.67/-2.14	-4.05/-6.63	-11.55/-18.57	-4.82/-8.63	-5.26/-2.93	1.09/0.42	1.47/1.97	2.07/1.86	1.64/1.65	1.98/2.27	2.19/1.62	0.46/-1.23	-3.52/-6.61	-10.82/-17.82	-16.75/-10.31	-6.42/-4.05	-2.71/-7.5
Θ(22.5°)	-1.54/-0.62	0.47/0.83	0.86/1.47	2.1/2.4	2.18/1.84	1.91/2.07	1.87/1.17	-0.13/-1.9	-4.18/-7.05	-11.76/-19.1	-13.65/-8.18	-5.15/-2.8	-1.24/-0.34	0.32/0.99	1.54/1.54	1.0/7.4	1.66/2.48	2.59/2.05	0.82/-1.19	-3.97/-7	-9.74/-12.01	-12.44/-10.88	-8.51/-5.93	-3.57/-2.13
Θ(30°)	-0.99/-0.37	0.51/0.47	-0.28/0.71	1.32/1.45	1.54/1.52	1.85/2.01	1.42/-0.06	-2.36/-4.42	-5.94/-7.68	-10.83/-16.98	-15.55/-10.04	-6/-3.3	-1.48/-0.61	0.08/0.84	1.34/1.12	0.23/-0.33	0.76/1.91	2.11/1.37	-0.15/-2.27	-4.1/-5.52	-7.37/-10.16	-11.38/-9.3	-6.89/-5.43	-3.99/-1.87
Θ(37.5°)	-2.09/-0.13	1.28/1.55	0.1/-0.84	-0.66/0.47	0.63/0.95	1.12/0.91	-0.04/-1.83	-4.22/-5.87	-6.94/-8.64	-11.92/-18.9	-16.38/-9.7	-6.54/-4.51	-2.3/-0.83	-0.28/-0.23	-0.13/-0.08	-0.83/-1.25	0.31/1.01	0.47/0.39	-1.54/-3.7	-6.22/-8.64	-11.31/-16.08	-17.61/-12.87	-8.79/-6.62	-5.79/-4.37
Θ(45°)	-4.29/-2.03	0.2/1.1	0.01/-2.48	-2.23/-1.1	-0.54/-0.8	-0.93/-1.06	-2.02/-3.81	-5.58/-6.63	-7.89/-10.24	-17.28/-18.94	-19.01/-12.71	-8.08/-5.53	-6.46/-2.35	-1.89/-1.55	-2.09/-1.6	-2.3/-2.73	-1.27/-0.72	-1.68/-2.48	-2.55/-3.94	-6.32/-9.39	-13.98/-16.72	-13.85/-10.62	-17.62/-6.13	-8.51/-5.04
Θ(52.5°)	-6.71/-3.9	-2.08/-0.9	-1.44/-3.69	-3.42/-2.91	-3.04/-3.09	-2.37/-2.43	-3.68/-5.61	-7.54/-8.21	-9.78/-14.41	-18.5/-17.03	-15.91/-12.61	-8.72/-5.61	-4.66/-3.97	-4.12/-3.99	-4.43/-2.98	-3.31/-4.21	-3.08/-3.66	-4.94/-5.03	-4.71/-5.74	-7.11/-10.5	-16.57/-19.42	-16.42/-10.1	-6.11/-5.22	-7.47/-9.11
Θ(60°)	-10.14/-7.21	-5.76/-3.91	-4.23/-1.69	-6.11/-5.37	-6.73/-5.38	-5/-5.41	-6.62/-8.05	-9.63/-10.47	-11.61/-15.24	-18.85/-15	-11.75/-11.68	-12.97/-9.95	-6.63/-5.66	-6.3/-6.7	-6.93/-9.46	-3.9/-5.97	-5.73/-6.86	-7.93/-7.64	-7.71/-8.43	-10.04/-13.98	-18.51/-18.1	-16.72/-9.97	-6.77/-7.3	-10.25/-12.4
Θ(67.5°)	-15.94/-10.2	-8.57/-8.14	-8.95/-9.9	-8.78/-9.9	-10.54/-8.97	-8.03/-8.75	-10.02/-10.57	-12.01/-12.68	-14.12/-18.81	-17.43/-13.15	-11.76/-10.53	-12.91/-10.86	-8.11/-9.48	-8.07/-9.72	-6.98/-7.21	-6.67/-7.76	-8.01/-9.							



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ(67.5°)	-1.54/-2.9	-4.89/-6.12	-10.93/-17.36	-18.51/-13.72	-9.35/-8.3	-6.55/-5.14	-4.2/-0.94	0.51/-0.09	-1.22/-0.11	0.5/-0.41	-0.84/-0.86	-2.13/-4.76	-11.07/-9.82	-8.71/-10.85	-12.73/-14.85	-14.66/-18.74	-10.74/-7.61	-6.23/-5.06	-8.6/-6.95	-4.53/-3.41	-3.33/-4.94	-3.24/-1.21	0.27/0.98	0.02/-1.21
Θ(75°)	-3.07/-4.01	-6.24/-9.6	-10.57/-17.36	-18.63/-14.37	-11.65/-9.43	-9.18/-6.52	-4.44/-1.57	-0.63/-1.01	-0.89/0.57	1.05/-0.05	-1.5/-1.61	-1.52/-3.29	-8.52/-15.19	-11.08/-12.88	-14.3/-14.57	-18.06/-17.56	-15.25/-9.72	-7.19/-5.64	-6.99/-4.6	-3.34/-2.1	-2.56/-3.89	-3.77/-1.32	-0.05/0.97	0.04/-2.03
Θ(82.5°)	-4.98/-6.96	-9.26/-10.6	-12.37/-17.6	-18.02/-16.5	-12.93/-11.8	-10.89/-7.22	-4.92/-2.1	-1.97/-2.42	-1.11/0.4	-0.66/-0.91	-2.31/-2.58	-3.68/-5.17	-10.56/-15.81	-12.69/-15.47	-17.26/-17.9	-18.72/-16.07	-19.34/-10.54	-7.11/-7.07	-5.42/-4.77	-3.23/-2.12	-2.67/-3.71	-5.28/-2.83	-1.06/-0.82	-1.56/-3.7
Θ(90°)	-8.33/-9.07	-10.01/-12.78	-13.84/-18.89	-18.73/-16.81	-15.11/-14.82	-11.52/-8.92	-6.4/-3.46	-3.12/-3.48	-1.79/-0.93	-0.71/-1.99	-3.15/-3.91	-4.3/-5.01	-9.74/-16.69	-16.26/-16.14	-16.88/-16.47	-18.36/-18.51	-18.89/-15.66	-11.12/-9.35	-7.07/-5.85	-4.62/-3.57	-3.91/-5.01	-8.16/-5.43	-3.75/-3.87	-3.56/-6.07
Θ(97.5°)	-10.37/-10.43	-13.39/-14.93	-15.3/-18.33	-17.48/-18.96	-17.36/-19.71	-14.1/-14.64	-7.68/-5.36	-4.88/-4.82	-3.16/-2.49	-2.61/-4.26	-6.46/-7.14	-13.36/-16.87	-15.71/-17.87	-17.18/-15.71	-19.02/-18.05	-18.35/-19.17	-15.5/-14.35	-9.23/-8.98	-7.2/-6.41	-6.6/-7.35	-11.93/-8.08	-6.47/-6.51	-6.88/-9.03	
Θ(105°)	-15.02/-13.05	-14.24/-16.33	-18.86/-19.82	-18.26/-17.6	-18.32/-18.58	-14.61/-13.03	-9.85/-8	-6.81/-6.59	-5.3/-4.54	-3.98/-4.97	-6.72/-7.25	-6.95/-8.65	-12.65/-15.27	-17.74/-15.52	-16.49/-18.39	-18.15/-18.51	-19.75/-18.41	-18.74/-17.53	-16.65/-14.39	-13.21/-11.57	-10.39/-10.83	-14.7/-10.73	-9.14/-8.42	-10.95/-12.16
Θ(112.5°)	-15.17/-13.69	-19.15/-18.63	-19.74/-19.23	-18.17/-18.27	-17.82/-18.36	-17.82/-15.79	-12.91/-9.52	-8.36/-8.48	-7.18/-6.38	-6.2/-7.16	-8.86/-9.75	-9.91/-10.36	-15.41/-18.56	-18.23/-17.58	-17.76/-18.04	-18.75/-18.12	-18.77/-18.82	-17.95/-17.69	-17.79/-16.99	-19.08/-17.02	-15.6/-12.73	-14.09/-15.04	-11.7/-11.11	-12.84/-13.1
Θ(120°)	-15.85/-15.27	-17.64/-18.43	-18.94/-18.77	-18.77/-18.3	-17.93/-18.88	-18.61/-15.14	-13.74/-11.83	-10.37/-9.66	-8.42/-7.3	-7.23/-7.96	-8.86/-10.4	-10.7/-12.42	-13.62/-17.82	-18.92/-17.42	-18.71/-17.75	-18.97/-17.79	-18.35/-18.21	-17.5/-16.62	-17.73/-19.14	-17.51/-15.55	-13.17/-14.65	-18.85/-16.49	-13.18/-12.08	-14.45/-12.81
Θ(127.5°)	-18.48/-17.88	-19.05/-19.47	-18.31/-18.17	-17.42/-18.68	-18.2/-19.09	-19.23/-16.9	-14.62/-13.11	-12.48/-12.78	-12.17/-10.01	-9.89/-11.2	-12.04/-11.33	-13.02/-14.88	-14.68/-18.06	-18.83/-18.3	-17.69/-18.52	-17.44/-17.54	-18.11/-18.24	-17.83/-17.59	-18.99/-17.75	-16.19/-15.02	-18.65/-16.6	-14.15/-13.45	-18.25/-17.96	
Θ(135°)	-18.9/-19.33	-18.32/-18.88	-19.1/-19.07	-19.16/-18.9	-19.08/-18.17	-18.89/-17.84	-17.07/-16.91	-14.22/-11.75	-11.61/-11.09	-10.38/-11.2	-10.77/-11.05	-14.01/-14.81	-17.65/-16.96	-18.05/-18.59	-18.39/-19	-18.65/-18.09	-18.76/-18.81	-18.37/-18.73	-18.85/-18.14	-17.9/-18.82	-17.78/-17.56	-16.01/-13.39	-14.98/-17.85	-18.69/-17.88
Θ(142.5°)	-18.36/-18.66	-19/-18.3	-17.52/-18.93	-18.63/-18.99	-17.74/-18.52	-18.81/-19.11	-14.68/-13.14	-14.82/-14.66	-13.34/-12.85	-13.25/-13.02	-14.07/-14.63	-14.85/-16.52	-18.72/-19.03	-17.55/-19.01	-18.72/-18.28	-18.84/-19.25	-17.81/-17.54	-18.64/-18.29	-17.72/-18.46	-18.45/-18.12	-18.15/-19.27	-18.94/-18.08	-18.94/-17.92	-18.04/-18.84
Θ(150°)	-18.88/-17.65	-19.02/-18.62	-18.33/-17.42	-17.58/-19.28	-17.92/-18.56	-18.61/-18.31	-17.33/-16.92	-16.4/-16.71	-18.13/-17.55	-15.68/-14.54	-14.64/-15.98	-16.16/-16.99	-18.25/-18.04	-17.39/-18.34	-17.47/-18.68	-18.18/-18.47	-17.15/-18.54	-19.18/-17.64	-18.78/-18.01	-15.7/-15.36	-18.29/-18.15	-18.99/-17.72		
Θ(157.5°)	-17.34/-19.26	-19.39/-18.37	-18.14/-17.98	-18.91/-18.47	-18.14/-17.39	-18.55/-18.7	-17.6/-18.19	-18.89/-17.38	-16.09/-15.59	-15.94/-16.41	-16.7/-16.73	-17.58/-18.48	-17.98/-18.68	-17.64/-18.4	-17.85/-18.57	-17.15/-19.28	-18.3/-18.33	-17.48/-17.67	-18.34/-18.33	-17.81/-18.22	-17.91/-17.69	-19.06/-18.86	-17.97/-17.89	-18.75/-18.56
Θ(165°)	-18.35/-18.96	-17.74/-18.29	-18.71/-18.06	-19.23/-18.22	-18.48/-18.92	-17.89/-18.82	-19.58/-18.23	-17.8/-18.72	-17.98/-17.87	-16.97/-16.23	-16.15/-16.84	-18/-17.59	-17.87/-17.78	-19.22/-17.86	-17.96/-19.04	-19.15/-18.52	-17.61/-18.84	-17.93/-18.55	-17.58/-18.6	-17.79/-18.54	-18.12/-18.55	-18.39/-19.32	-19.27/-17.54	
Θ(172.5°)	-17.65/-17.35	-18.26/-18.44	-18.75/-17.67	-18.75/-17.67	-17.2/-17.62	-18.69/-18.71	-18.51/-19.35	-19.87/-17.63	-18.17/-17.34	-17.27/-17.73	-18.39/-19.18	-18.91/-18.56	-18.42/-19.37	-18.4/-18.01	-19.02/-17.22	-18.96/-18.55	-19.09/-18.01	-17.39/-17.68	-18.77/-18.59	-18.55/-19.18	-17.85/-18.11	-19.05/-17.41	-18.09/-19.21	
Θ(180°)	-18.95/-17.54	-18.06/-18.6	-19.04/-18.64	-19.25/-19	-17.56/-18.95	-17.81/-18.86	-18.19/-18.87	-17.57/-16.31	-16.18/-16.76	-17.64/-18.4	-18.49/-17.87	-18.26/-18.46	-19.13/-17.86	-18.25/-18.59	-18.12/-17.33	-18.47/-18.1	-19.11/-18.42	-19.25/-18.25	-18.99/-17.2	-18.41/-18.32	-19.26/-18.5	-17.87/-18.62	-18.48/-18.44	-18.18/-18.38
Freq(Hz)	5.785GPol.	Theta/Ant.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	1.06/2.19	3.17/3.83	4.27/4.62	4.88/4.87	4.77/4.65	4.42/3.8	2.78/1.5	-0.03/-2.12	-5.11/9.23	-19/-15.37	-8.13/-4.03	-1.42/0.29	1.74/2.95	3.74/4.19	4.45/4.71	4.95/5.05	5/4.8	4.41/3.77	2.86/1.56	-0.15/-2.12	4.8/-9.27	-19.25/-17.82	-8.87/-4.76	-1.95/-0.04
Θ(7.5°)	1.64/2.68	3.55/4.12	4.53/4.78	4.97/4.85	4.56/4.2	4.09/3.8	3.07/1.77	0.28/-1.06	-3.2/-6.75	-12.89/-17.23	-11.44/-5.81	-2.43/-0.44	0.82/2.07	3.13/3.81	4.24/4.1	4.44/4.25	3.95/3.64	3.22/2.46	1.41/0.16	-1.6/-3.8	-6.47/-11.11	-18.04/-12.63	-7.11/-3.49	-1.20/5.4
Θ(15°)	0.22/1.15	2.13/3.09	3.85/4.32	4.5/4.4	4.08/3.77	3.53/1.6	2.67/1.51	-0.22/-2.02	-4.26/-7.54	-12.6/-18.28	-13.93/-14.2	-3.19/-3.94	0.32/1.29	2.43/2.4	3.69/3.67	3.35/2.82	2.12/3.3	0.77/0.51	-1.72/-3.79	-6.91/-12.42	-16.88/-12.64	-7.85/-4.04	-2.45/-0.8	
Θ(22.5°)	-0.02/0.95	1.16/1.87	3.01/3.33	3.27/3.39	3.64/3.78	3.52/3.03	2.02/0.49	-1.38/-3.3	-5.74/-9.65	-17.74/-18.13	-11.71/-7.43	-3.81/-1.37	0.22/1.17	1.41/4.7	1.53/1.58	1.57/0.96	-0.27/-0.73	0.17/1.15	1.08/-0.29	-2.8/-6.57	-11.86/-18.54	-18.3/-12.23	-7.56/-4.08	-1.99/-1.03
Θ(30°)	0.28/0.67	0.77/0.78	1.86/2.19	2.81/2.95	3.05/3.15	2.49/-1.38	0.11/-0.98	-1.87/-3	-5.08/-8.84	-17.99/-18.19	-9.44/-6.7	-4.84/-2.42	-0.79/-0.05	0.11/0.32	0.68/0.6	0.27/-0.77	-1.9/-1.08	0.73/-1.47	0.71/-1.17	-3.52/-5.85	-8.38/-18.8	-16.18/-18.93	-7.67/-4.64	-1.86/-0.11
Θ(37.5°)	0.15/0.59	0.42/-0.71	-0.08/-0.89	1.92/1.97	1.99/1.51	0.76/-0.26	-1.25/-2.22	-3.66/-5.3	-7.18/-10.47	-19.01/-12.2	-7.15/-3.6	-4.43/-2.47	-0.24/-0.99	-0.94/-0.64	-0.57/-1.37	-2.02/-0.99	-3.39/-1	0.44/0.35	-0.96/-2.96	-4.63/-5.75	-8.24/-17.06	-17.74/-9.44	-6.63/-4.82	-2.92/-0.91
Θ(45°)	-1.22/0.01	0.1/-1.44	-3.26/-1.22	-0.18/-0.25	-0.52/0.07	-0.64/-1.77	-2.65/-4.22	-5.44/-6.15	-8.2/-12.25	-18.42/-13.9	-8.52/-6.21	-5.54/-4.83	-2.27/-1.17	-2.04/-2.41	-2.12/-2.08	-3.22/-5.16	-4.29/-2.17	-0.63/-1.06	-2.92/-4.84	-6.04/-7.67	-11.26/-17.67	-13.68/-9.11	-8.93/-8.68	-5.74/-2.48
Θ(52.5°)	-3.35/-2.2	-1.87/-2.57	-5.22/-3.34	-2.97/-3.54	-2.1/-1.3	-2.27/-0.48	-6.1/-7.63	-7.48/-9.72	-11.37/-18.08	-18.69/-13.58	-7.77/-13.6	-8.66/-9.63	-3.53/-3.24	-3.12/-3.79	-3.95/-4.77	-5.73/-5.97	-4.79/-3.26	-6.38/-8.32	-12.75/-19.39	-15.68/-12.02	-9.36/-10.96	-16.48/-18.93	-10.05/-5.34	
Θ(60°)	-8.82/-6.73	-5.25/-9.33	-8.41/-7.8	-7.29/-8.43	-5.13/-3.61	-5.25/-8.56	-10.72/-6.86	-9.82/-11.99	-18.1/-18.25	-19.79/-14.2	-9.89/-9.62	-8.01/-4.74	-4.89/-5.51	-5.94/-7.08	-7/-5.61	-5.34/-4.21	-5.57/-7.17	-8.99/-9.39	-7.4/-9	-14.82/-18.77	-17.31/-11.67	-9.55/-12	-17.04/-11.15	
Θ(67.5°)	-16.73/-12.47	-10.92/-12.65	-12.38/-11.45	-12.61/-16.24	-9.09/-7.85	-9.34/-13.83	-15.82/-12.17	-14.54/-18.7	-17.93/-18.26	-17.19/-16.74	-13.13/-8.9	-9/-11.27	-8.52/-6.81	-7/-8.06	-9.01/-8.25	-6.9/-6.6	-6.89/-6.21	-7.93/-10.18	-13.64/-11.08	-9.36/-13.98	-17.51/-18.9	-17.88/-13.38	-13.14/-18.69	-18.02/-18.91
Θ(75°)	-18.19/-16.78	-14.62/-18.22	-19.08/-16.41	-18.37/-17.67	-15.08/-13.56	-13.18/-18.28	-17.75/-14.15	-15.39/-15.75	-18.09/-17.34	-17.94/-18.39	-18.34/-14.86	-11.41/-11.21	-10.66/-8.95	-8.34/-9.12	-9.55/-14.2	-8.05/-7.41	-8.92/-0.04	-9.62/-10.71	-12.52/-10.91	-8.99/-14.3	-18.86/-18.94	-17.45/-18.02	-19.17/-18.26	-18.62/-17.32
Θ(82.5°)	-17.97/-18.26	-17.76/-17.9	-19.14/-18.13	-17.92/-18.59	-18.27/-18.49	-16.38/-17.83	-18.1/-17.09	-16.83/-17.29	-16.32/-16.76	-18.99/-18.64	-17.55/-19.28	-12.88/-12.7	-11.23/-10.51	-10.43/-14.01	-13.44/-12.27	-8.87/-10.12	-11.17/-11.66	-10.6/-11.9	-12.52/-10.35	-8.14/-13.31	-18.17/-18.38	-18.88/-18.26	-18.75/-17.92	-18.81/-19.03
Θ(90°)	-17.68/-18.96	-17.82/-18.84	-18.26/-19.25	-19.46/-18.9	-17.99/-18.9	-18.1/-17.81	-18.96/-17.79	-17.17/-16.22	-15.81/-19.1	-18.93/-18.69	-17.74/-17.23	-15.8/-12.09	-12.82/-12.59	-13.73/-14.99	-13.44/-18.92	-11.77/-11.57	-12.09/-12.63	-10.93/-11.37	-12.81/-11.57	-10.2/-13.58	-18.85/-19.01	-18.69/-17.28	-17.33/-18.83	-17.45/-17.45
Θ(97.5°)	-18.54/-19.1	-18.46/-19.27	-18.59/-17.84	-17.81/-17.55	-17.43/-18.09	-17.91/-18.29	-18.83/-17.86	-16.09/-15.66	-17.26/-19.18	-18.24/-17.98	-18.32/-18.24	-15.48/-16.02	-15.43/-13.22	-14.56/-19.17	-15.39/-17.73	-13.7/-14.9	-14.22/-14.47	-13.17/-13.35	-14.09/-16.75	-14.16/-17.82	-18.73/-17.9	-17.8/-17.29	-19.01/-17.83	-18.76/-18.7
Θ(105°)	-18.74/-18.26	-17.31/-18.69	-18.13/-18.89	-18.13/-18.14	-19.38/-18.43	-19.18/-17.97	-17.94/-17.68	-16.11/-16.49	-18.56/-18.08	-18.3/-18.62	-18.93/-17.92	-16.55/-17.61	-18.27/-15.15	-19.77/-18.33	-16.96/-17.46	-17.78/-15.56	-15.62/-18.76	-18.34/-15.33	-15.96/-19.17	-16.67/-17.89	-18.69/-18.99	-18.8/-18.91	-18.02/-18.7	-18.57/-17.65
Θ(112.5°)	-17.31/-18.93	-18.44/-18.8	-18.34/-18.13	-18.34/-18.13	-18.54/-17.77	-18.96/-18.48	-18.3																	



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ (112.5°)	-13.55/-12.73	-11.39/-8.64	-8.17/-10.54	-9.87/-8.78	-8.84/-11.32	-11.27/-9.78	-9.49/-11.74	-13.72/-15.05	-15.63/-18.87	-18.08/-18.1	-17.95/-19.11	-16.74/-17.55	-17.98/-13.7	-13.47/-17.58	-18.75/-18.2	-13.14/-10.45	-17.77/-18.92	-18.23/-15.79	-13.4/-13.71	-14.44/-18.77	-16.99/-14.27	-17.62/-18.43	-18.13/-18.67	-16.67/-16.34
Θ (120°)	-19.51/-15.2	-14.75/-11.44	-10.72/-10.66	-11.3/-9.2	-9.7/-11.16	-13.02/-14.26	-14.55/-11.37	-12.49/-18.08	-14.37/-18.62	-17.81/-18.12	-18.64/-18.12	-18.86/-18.2	-15.9/-16.34	-13.56/-18.65	-17.47/-19.19	-18.46/-18.34	-13.21/-18.67	-17.48/-10.19	-10.53/-13.21	-16.41/-17.61	-18.45/-14.78	-17.39/-18.25	-17.97/-19.1	-15.74/-17.64
Θ (127.5°)	-13.63/-14.96	-12.33/-14.77	-12.66/-12.96	-12.34/-12.33	-15.13/-15.36	-12.02/-15.47	-15.13/-14.4	-14.5/-18.08	-18.71/-19.04	-18.55/-18.66	-18.8/-18.26	-18.68/-18.6	-18.64/-18.18	-14.09/-18.34	-18.23/-17.92	-18.35/-13.22	-12.22/-13.63	-14.93/-14.5	-18.64/-15.88	-18.71/-17.81	-17.19/-18.6	-18.76/-18.15	-17.3/-17.92	-17.41/-15
Θ (135°)	-19.39/-17.32	-13.41/-12.94	-14.31/-13.08	-11.87/-11.99	-14.44/-13.96	-12.13/-14.77	-17.48/-18.47	-17.36/-17.74	-18.3/-19.01	-18.63/-17.94	-18.57/-18.34	-17.15/-18.16	-17.64/-18.44	-19.43/-18.32	-18.5/-19.09	-18.58/-17.07	-18.35/-19.22	-18.58/-18.11	-19.01/-19.19	-19.17/-17.31	-19.37/-18.61	-17.9/-19.24	-18.01/-18.43	-17.94/-18.28
Θ (142.5°)	-18.29/-18.97	-19.21/-18.36	-16.84/-16.13	-16.19/-17.78	-18.51/-18.38	-17.49/-15.22	-13.85/-16.29	-17.44/-17.02	-18.93/-19.1	-17.79/-18.38	-18.86/-19.18	-18.93/-14.7	-17.92/-18.99	-18.58/-18.15	-18.82/-17.44	-17.92/-18.41	-17.34/-17.94	-19/-18.73	-17.83/-13.4	-18.47/-18.06	-18.22/-17.59	-18.55/-19.1	-17.87/-19.12	-17.4/-17.78
Θ (150°)	-18.15/-18.35	-18.57/-18.72	-16.63/-16.62	-17.55/-17.66	-18.3/-18.65	-17.77/-18.45	-18.05/-15.96	-15.71/-19.05	-19.39/-18.07	-19.15/-18.29	-18.74/-18.73	-19.03/-18.83	-17.95/-17.86	-18.96/-18.23	-18.22/-18.34	-18.83/-17.35	-17.61/-18.61	-16.76/-13.64	-17.49/-18.92	-19.03/-18.06	-18.12/-19.01	-18.47/-18.12	-19.18/-17.72	-17.41/-18.23
Θ (157.5°)	-18.61/-18.23	-16.87/-16.82	-15.28/-13.88	-14.14/-15.67	-16.83/-16.63	-16.4/-14.4	-13.24/-14.83	-19.12/-17.29	-18.37/-16.16	-15.28/-16.45	-19.2/-18.68	-17.84/-18.24	-19.32/-18.57	-18.01/-18.11	-18.61/-19.22	-17.69/-17.67	-18.2/-19.1	-18.27/-18.55	-19.31/-16.01	-14.98/-18.06	-17.36/-17.21	-18.76/-19.06	-17.94/-19.09	-18.41/-17.29
Θ (165°)	-18.74/-18.89	-17.91/-18.15	-17.86/-18.57	-18.11/-18.38	-17.42/-19.09	-18.72/-17.89	-18.71/-18.04	-18.27/-19.34	-17.36/-19.3	-18.17/-19.73	-18.27/-18.37	-18.32/-18.31	-18.04/-18.2	-19.17/-17.77	-17.7/-19.23	-19.24/-18.05	-18.29/-17.61	-18.56/-18.09	-18.95/-16.54	-17.14/-17.74	-18.75/-19.74	-18.75/-17.72	-18.36/-17.63	-18.39/-18.88
Θ (172.5°)	-19.18/-18.6	-17.93/-17.94	-17.91/-19	-16.76/-14.9	-14.89/-14.59	-14.16/-15.42	-15.75/-14.87	-15.17/-17.22	-18.13/-19.08	-17.89/-18.82	-17.76/-19.31	-18.43/-18.11	-17.78/-18.27	-18.98/-17.96	-19.15/-18.42	-18.59/-18.48	-18.68/-18.55	-18.44/-18.52	-17.37/-18.42	-18.4/-18.52	-18.54/-18.11	-18.75/-18.8	-17.45/-17.82	-19.06/-18.93
Θ (180°)	-17.75/-18.26	-18.49/-18.47	-18.34/-18.92	-18.24/-18.29	-17.96/-18.14	-18.93/-18.14	-17.3/-19.08	-19.26/-17.95	-18.66/-17.15	-18.03/-17.97	-17.76/-18.45	-18.32/-18.7	-18.19/-18.92	-17.84/-18.41	-18.12/-19.31	-17.73/-18.28	-19.23/-18.62	-16.81/-15.6	-16.4/-17.37	-18.56/-18.34	-18.97/-18.7	-17.64/-19.41	-18.68/-17.41	-18.18/-19.12
Freq(Hz)	5.2G/Pol	Theta/Ant 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	0.11/-1.06	-2.99/-5.34	-8.04/-12.11	-19.36/-17.57	-10.95/-7.13	-4.25/-2.23	-0.81/-0.25	0.92/-1.32	1.69/-2.06	2.38/-2.6	2.52/-0.9	1.44/-0.6	-0.34/-1.41	-2.82/-4.99	-8.32/-14.52	-19.06/-16.61	-8.85/-5.22	-3.38/-1.86	-0.33/-0.79	1.68/-2.27	2.49/-2.59	2.66/-2.6	2.35/-1.86	1.27/-0.79
Θ (7.5°)	0.81/-0.31	-1.76/-3.51	-6.12/-10.46	-17.37/-17.35	-11.45/-7.16	-3.94/-1.89	-0.93/-0.21	1.31/-1.86	1.85/-1.68	1.71/-1.75	1.61/-1.22	0.65/-0.17	-1.11/-2.17	-3.5/-5.29	-8.12/-12.85	-17.05/-13.09	-8.36/-5.18	-3.35/-2.04	-0.66/-0.62	1.58/-1.2	2.37/-2.59	2.88/-3.05	3.62/-69	2.24/-1.65
Θ (15°)	1.16/-0.07	-1.44/-2.89	-4.75/-4.41	-11.23/-15.35	-12.39/-8.06	-4.94/-2.69	-1.36/-0.62	0.15/-0.84	1.21/-39	1.51/-62	1.46/-0.83	-0.07/-1.01	-1.81/-3.02	-4.51/-6.42	-8.51/-10.81	-12.3/-12.3	-9.76/-6.5	-3.67/-1.97	-0.81/-0.4	1.38/-1.95	2.16/-24	2.69/-2.93	2.98/-2.88	2.64/-2.04
Θ (22.5°)	0.51/-0.73	-1.82/-3	-4.7/-7.02	-9.81/-12.13	-9.86/-6.81	-4.43/-2.3	-0.86/-0.08	0.37/-0.87	1.15/-1.09	0.63/-1.03	1.57/-1.1	0.4/-0.05	-1.02/-2.72	-4.38/-5.49	-7.33/-10.71	-14.55/-13.82	-10.27/-6.61	-3.55/-1.49	-0.14/-0.88	1.67/-2.03	2.12/-38	2.83/-3	2.91/-2.63	2.11/-1.46
Θ (30°)	-0.01/-0.82	-1.76/-3.24	-5.26/-7.16	-9.43/-9.83	-7.74/-5.63	-3.96/-2.05	-0.49/-0.2	0.48/-0.85	0.89/-0.87	1.07/-0.34	0.93/-1.1	0.68/-0.16	-1.14/-2.72	-3.69/-5.12	-8.96/-13.3	-12.33/-11.47	-10.49/-7.34	-6.48/-2.7	-1.01/-0.33	1.11/-29	1.33/-1.53	1.78/-12	1.49/-2.1	1.71/-0.95
Θ (37.5°)	-0.49/-1	-2.18/-4.14	-6.09/-7.88	-8.68/-8.63	-7.93/-6.3	-4.51/-3.13	-1.44/-0.04	0.50/-76	0.87/-0.2	-1.21/-1.29	-0.56/-1.33	0.68/-0.31	-1.94/-3.78	-5.61/-9.19	-14.62/-14.14	-12.64/-11.73	-10.81/-8.76	-6.13/-4.01	-2.31/-0.78	0.22/-0.34	0.08/-0.09	0.06/-0.35	2.08/-1.16	0.73/-0.02
Θ (45°)	-2.13/-2.45	-3.84/-5.54	-6.92/-6.74	-6.97/-8.71	-10.15/-8.93	-5.97/-4	-2.95/-1.19	0.07/-0.04	-0.35/-0.81	-3.37/-2.26	-0.03/-0.83	0.24/-0.63	-2.45/-4.21	-7.04/-13.38	-18.12/-15.38	-11.54/-8.44	-8.37/-9.02	-8.3/-6.5	-4.54/-2.78	-1.11/-0.7	-1.18/-2.04	-2.52/-1.78	-0.82/-0.75	-1.52/-1.8
Θ (52.5°)	-4.05/-4.95	-6.24/-6.86	-6.78/-6.82	-8.11/-10.14	-10.56/-9.71	-6.42/-3.99	-3.72/-2.58	-0.94/-0.46	-1.52/-3.44	-4.35/-2.67	-1.34/-1.44	-1.97/-2.84	-3.44/-6.11	-9.71/-18.64	-18.96/-19.2	-11.58/-8.45	-8.54/-10.42	-11.22/-10.53	-9.04/-6.51	-3.03/-2.11	-3.14/-4.46	-4.84/-4.76	-4.74/-4.33	-3.28/-3.13
Θ (60°)	-6.02/-8.11	-8.19/-8.3	-7.91/-8.4	-9.74/-10.75	-9.53/-7.9	-5.93/-4.46	-4.64/-3.88	-2.98/-2.4	-2.39/-4.82	-2.83/-3.22	-3.81/-5.26	-1.32/-1.69	-8.93/-16.61	-19.07/-18.08	-15.16/-10.05	-9.05/-10.96	-13.95/-18.66	-15.19/-10.65	-6.78/-5.76	-7.17/-7.51	-5.89/-6.3	-10.36/-6.68	-4.62/-4.91	
Θ (67.5°)	-10.21/-9.53	-9.31/-8.85	-9.6/-11.52	-13.06/-11.15	-8.84/-8.84	-8.02/-5.36	-5.79/-5.44	-4.36/-3.51	-5.5/-5.78	-7.61/-5.62	-4.52/-4.7	-5.86/-7.21	-8.14/-7.61	-8.2/-16.77	-18.19/-17.68	-17.5/-9.14	-8.19/-10.56	-16.24/-19.17	-18.75/-15.08	-10/-10.01	-10.56/-9.9	-9.95/-15.82	-13.92/-8.36	-6.78/-8.46
Θ (75°)	-12.29/-10.42	-11.84/-10.88	-10.37/-13.26	-12.71/-15.99	-9.27/-9.84	-8.79/-7.39	-7.71/-7.29	-7.37/-4.61	-5.86/-7.98	-9.25/-6.58	-5.4/-6.31	-8.57/-8.7	-7.98/-7.9	-8.06/-15.99	-19.39/-18.37	-7.42/-10.1	-16.51/-14.2	-10.08/-17.05	-13.19/-13.97	-13.29/-13.18	-14.96/-18.13	-13.6/-12.31	-10.61/-12.12	
Θ (82.5°)	-15.47/-12.43	-12.23/-11.82	-11.41/-14.2	-13.15/-11.89	-11.95/-11.69	-8.81/-8.75	-8.45/-8.94	-10.62/-7.72	-5.43/-8.43	-14.69/-10.98	-8.58/-10.16	-11.15/-18.08	-18.59/-16.35	-11.71/-8.43	8.27/-11.45	-18.29/-19.39	-17.77/-15.22	-11.51/-15	-15.2/-15.87	-18.91/-18.5	-12.82/-12.35	-12.51/-15.57		
Θ (90°)	-13.99/-12.94	-14.09/-12.82	-12.71/-16.24	-14.33/-12.66	-14.12/-15.05	-11.23/-11.64	-9.69/-10.61	-12.22/-9.74	-9.35/-10.51	-13.73/-9.99	-7.71/-11.56	-17.17/-12.44	-8.82/-10.37	-12.85/-18.53	-18.72/-15.94	-12.18/-9.72	-9.85/-14.87	-17.62/-18.4	-17.11/-15.66	-13.07/-17.44	-14.73/-14.08	-17.63/-16.97	-11.38/-13.07	-16.36/-18.87
Θ (97.5°)	-17.4/-13.72	-16.34/-15.25	-15.1/-16.41	-13.75/-13.82	-16.75/-12.83	-11.83/-14.73	-11.08/-14.08	-12.19/-12.68	-11.95/-13.82	-16.31/-11.97	-10.64/-15.66	-17.21/-14.29	-11.41/-12.93	-14.55/-16.86	-18.59/-18.07	-13.92/-12.19	-13.1/-19.19	-18.04/-19.17	-18.05/-18.93	-15.68/-15.53	-14.73/-13.34	-18.48/-18.7	-10.65/-10.66	-13.87/-18.98
Θ (105°)	-17.46/-18.86	-18.39/-15.62	-15.1/-16.56	-14.57/-15.9	-17.41/-13.52	-14.02/-17.35	-14.18/-14.48	-15.64/-16.17	-13.35/-18.02	-17.35/-11.97	-15.18/-12.21	-12.82/-14.47	-15.44/-18.84	-17.75/-18.1	-18.38/-16.82	-17.49/-19.09	-17.52/-18.68	-18.99/-17.9	-17.97/-16.34	-19.13/-13.98	-17.23/-18.04	-13.21/-10.53	-11.49/-17.48	
Θ (112.5°)	-15.81/-16.66	-17.85/-15.61	-14.09/-15.66	-15.75/-18.14	-16.72/-15.32	-16.07/-14.5	-15.4/-18.7	-15.48/-18.02	-15.33/-18.3	-18.93/-16.64	-17.29/-18.69	-16.99/-12.47	-14.61/-15.7	-16.01/-19.07	-17.54/-19.09	-18.64/-17.82	-18.99/-18.29	-18.65/-17.82	-17.67/-17.19	-18.69/-18.88	-18.73/-14.21	-18.99/-17.61	-15.87/-11.91	-13.14/-75
Θ (120°)	-12.96/-12.79	-14.82/-13.55	-14.63/-17.69	-18.01/-18.95	-16.12/-17.22	-19.13/-15.57	-19.13/-16.69	-18.76/-18.06	-17.17/-18.2	-18.33/-18.73	-19.33/-18.29	-18.43/-15.41	-18.71/-17.33	-15.61/-19.21	-18.93/-18.88	-16.96/-17.13	-18.76/-18.22	-17.81/-18.79	-18.99/-14.91	-18.38/-18.24	-16.49/-17.91	-18.01/-13.11	-13.52/-18.55	-15.12/-10.37
Θ (127.5°)	-11.74/-19.79	-15.58/-18.74	-18.82/-13.99	-18.19/-18.68	-18.83/-18.63	-17.78/-18.84	-18.3/-16.45	-18.37/-18.8	-19.09/-19.16	-17.47/-18.62	-18.41/-18.43	-18.74/-18.23	-18.59/-18.45	-17.75/-18.37	-17.95/-18.37	-19.19/-19.4	-17.32/-18.17	-18.82/-18.93	-19.3/-18.55	-15.49/-18.34	-18.28/-11.22	-12.52/-16.27	-18.24/-16.59	
Θ (135°)	-17.97/-19.04	-18.03/-18.38	-17.82/-14.62	-15.91/-19.1	-17.05/-17.39	-18.27/-18.22	-18.56/-18.78	-18.94/-17.99	-17.32/-17.22	-18.06/-18.28	-17.97/-19.31	-15.76/-14.7	-19.09/-18.57	-18.71/-17.97	-18.05/-18.24	-18.2/-17.83	-18.25/-17.83	-18.04/-19.23	-18.14/-18.56	-19/-18.99	-17.93/-19.05	-17.88/-17.79	-14.15/-12.38	-15.34/-12.87
Θ (142.5°)	-15.87/-16.71	-16.25/-16.65	-16.63/-17.19	-18.51/-17.83	-17.03/-18.38	-18.24/-18.92	-19.24/-19.02	-18.65/-18.05	-19.48/-18.58	-18.33/-18.94	-19.05/-19.29	-19/-18.13	-19.07/-17.88	-19.18/-19.05	-18.63/-17.46	-17.78/-18.72	-18.54/-19.11	-18.95/-17.3	-18.29/-19.05	-18.36/-17.96	-18.77/-18.82	-18.95/-18.57	-16.11/-14.22	-13.99/-13.87
Θ (150°)	-14.24/-15.31	-17.95/-18.42	-17.96/-18.55	-18.11/-18.4	-18.89/-18.02	-18.34/-19.31	-18.15/-18.15	-19/-18.94	-18.7/-17.2	-17.37/-15.73	-16.82/-16.76	-17.25/-16.48	-17.71/-18.21	-18.86/-18.21	-18.01/-18.96	-17.74/-18.58	-17.87/-19.15	-18.84/-17.73	-18.13/-1					



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ (165°)	-18.79/-18.23	-18.13/-19.25	-18.57/-18.64	-18.12/-17.86	-19.23/-18.78	-17.39/-18.42	-18.37/-17.62	-19.59/-17.86	-18.68/-17.33	-18.44/-18.51	-19.29/-19.22	-18.18/-18.64	-17.98/-17.61	-18.46/-17.61	-18.62/-19.14	-19.34/-17.37	-16.42/-16.45	-16.86/-17.68	-18.59/-18.02	-18/-18.98	-18.48/-18.93	-18.06/-18.62	-18.4/-18.73	-19.13/-18.72	
Θ (172.5°)	-17.62/-18.24	-17.75/-18.77	-17.92/-18.34	-17.47/-17.25	-15.95/-14.75	-14.48/-15	-15.23/-15.9	-17.61/-18.51	-18.92/-19.22	-18.2/-17.47	-19.38/-19.02	-18.99/-17.86	-18.74/-17.45	-18.42/-17.61	-17.63/-18.26	-19.07/-18.37	-18.01/-18.85	-17.75/-17.75	-18.27/-18.06	-17.84/-17.52	-18.94/-18.73	-18.41/-18.86	-18.94/-18.13	-17.53/-17.65	
Θ (180°)	-19.29/-18.51	-19.22/-17.03	-16.55/-17.68	-18.22/-17.72	-17.45/-17.45	-15.97/-15.55	-16.51/-17.18	-17.81/-18.15	-18.74/-19.05	-17.87/-17.69	-17.67/-17.86	-17.77/-18.02	-18.31/-18.24	-17.61/-18.81	-18.58/-16.16	-14.44/-13.64	-12.93/-13.15	-14.59/-14.05	-16.89/-17.52	-18.02/-17.45	-18.42/-18.93	-18.02/-17.45	-17.48/-18.08	-17.48/-17.72	
Freq(Hz)	5.6GPol.	Theta/Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)	
Θ (0°)	1.07/-0.11	-1.79/-3.79	-6.56/-11.03	-18.61/-17.99	-10.08/-5.85	-3.25/-1.24	0.24/-1.5	2.05/2.95	3.53/3.7	3.74/3.67	3.53/16	2.76/2	0.89/-0.41	-1.94/-4.11	-7.31/-12.02	-17.97/-16.33	-9.67/-5.68	-2.6/-0.89	0.15/-1.26	2.25/2.97	3.41/3.65	3.81/3.81	3.53/3.17	2.64/-1.93	
Θ (7.5°)	0.48/-0.52	-1.68/-3.23	-5.62/-9.4	-15.88/-18.89	-13.12/-7.57	-4.38/-2.35	-0.51/-0.2	1.93/2.57	3.24/3.67	4.02/4	3.73/27	2.68/-1.77	0.57/-0.95	-2.73/-5.01	-8.63/-15	-18.28/-13.12	-7.64/-4.8	-2.27/-3.07	0.55/-1.44	2.34/2.92	3.24/3.44	3.66/3.67	3.39/2.96	2.17/-1.41	
Θ (15°)	0.51/-0.53	-1.86/-3.73	-6.75/-11.69	-18.24/-18.58	-12.83/-7.62	-4.36/-2.44	-0.93/0.36	1.25/-1.77	2.18/2.57	2.63/2.57	2.42/2.15	1.42/0.3	-0.78/-1.94	-3.61/-5.86	-9.36/-14.65	-14.87/-10.5	-7.1/-4.83	-3.14/-1.77	-1.03/-0.31	0.77/-1.65	2.23/2.73	3.23/3.5	3.52/3.1	2.32/-1.52	
Θ (22.5°)	0.61/-0.27	-1.74/-4.04	-7.15/-10.7	-18.45/-18.09	-13.05/-7.84	-4.85/-2.55	-0.74/0.35	0.92/-1.23	1.37/-1.72	1.79/-1.09	0.63/0.94	0.80/0.35	0.2/-0.82	-3.37/-6.81	-9.33/-11.78	-14.54/-12.78	-8.24/-4.91	-2.75/-1.06	-0.3/-0.42	-0.32/0.46	1.45/-1.27	2.59/2.64	2.54/2.24	2.03/-1.5	
Θ (30°)	0.31/-0.94	-2.88/-5.07	-7.12/-9.79	-15.45/-18.17	-12.27/-8.1	-5.61/-2.92	-1.07/-0.26	0.69/-1.25	0.89/0.35	0.47/0.27	-0.68/0.35	0.87/0.08	-0.85/-3.27	-6.12/-6.73	-8.73/-16.48	-16.29/-10.67	-7.69/-5.58	-4/-2.22	-0.45/0.22	-0.16/-0.48	0.12/0.74	1.31/-1.83	2.12/-1.83	1.45/-1.05	
Θ (37.5°)	-1.3/-3.06	-5.78/-7.51	-8.38/-10.21	-15.12/-18.74	-10.62/-7.26	-5.33/-3.32	-1.77/-1.24	-0.39/0.23	0/-0.12	-1.01/-1.62	-1.85/-0.08	0.23/-0.8	-2.21/-3.65	-4.6/-6.56	-11.1/-16.45	-12.9/-10.7	-8.77/-6.78	-5.08/-3.11	-0.9/-0.1	-0.65/-1.48	-1.72/-1.48	-0.63/0.94	1.34/0.48	-0.06/-0.32	
Θ (45°)	-3.3/-6.54	-8.33/-8.68	-10.64/-16.41	-18.9/-16.3	-10.8/-8.42	-6.31/-4.24	-2.54/-1.71	-2.28/-1.79	-0.53/-1.55	-2.68/-3.69	-1.75/-0.09	-0.5/-1.9	-3.53/-4.93	-7.27/-9.62	-12.96/-15.11	-12.99/-9.94	-9.03/-6.61	-5.54/-5.7	-3.12/-1.06	-1.27/-3.48	-4.13/-4.69	-2.81/-1.05	-0.85/-1.85	-1.75/-1.97	
Θ (52.5°)	-6.01/-8.87	-9.17/-8.79	-11.65/-18.93	-16.62/-11.06	-8.99/-8.79	-8.32/-5.68	-2.78/-1.99	-4.23/-4.46	-2.6/-2.65	-3.98/-4.65	-2.89/-1.78	-2.95/-3.84	-5.1/-5.73	-6.16/-7.69	-11.76/-16.73	-13.74/-10.85	-11.81/-13.22	-14.96/-11.26	-6.75/-3.67	-3.26/-5.19	-7.41/-7.66	-5.93/-4.38	-3.65/-3.7	-2.85/-3.81	
Θ (60°)	-11/-10.69	-11.12/-11.72	-14.66/-17.9	-14.24/-9.85	-7.96/-7.93	-10.43/-10.19	-5.34/-3.38	-5.4/-6.65	-4.85/-5.09	-5.22/-6.56	-5.75/-4.42	-5.84/-9.53	-6.78/-6.93	-6.52/-6.68	-13.96/-18.88	-16.62/-12.89	-12.28/-15.07	-18.3/-19.14	-11.83/-7.94	-6.93/-10.06	-10.31/-9.38	-9.16/-9.78	-7.48/-5.8	-6.05/-7.83	
Θ (67.5°)	-15.24/-15.38	-15.82/-18.83	-17.76/-17.89	-14.93/-10.34	-8.25/-8.25	-10.49/-12.68	-8.41/-5.21	-7/-10.88	-6.92/-7.08	-6.89/-10.82	-6.65/-5.82	-7.74/-9.66	-12.23/-3.97	-8.72/-12.68	-18.83/-18.54	-19.17/-13.76	-12.61/-17.92	-14.89/-11.57	-12.77/-19.12	-17.17/-13.7	-14.89/-11.57	-12.92/-18.61	-10.47/-18.61	-12.55/-9.25	-10.28/-13.38
Θ (75°)	-16.65/-17.95	-18.66/-18.03	-17.77/-17.83	-14.68/-12.18	-10.31/-9.72	-10.41/-12.78	-10.91/-8.74	-10.97/-10.65	-11.05/-8.84	-8.53/-13.31	-7.71/-8.25	-9.48/-10.91	-12.77/-9.96	-8.59/-12.18	-18.15/-18.78	-17.96/-12.3	-11.35/-18.5	-18.84/-19.21	-18.44/-19.01	-18.64/-17.12	-14.84/-16.76	-19.02/-18.05	-18.78/-17.14	-18.37/-18.05	
Θ (82.5°)	-17.46/-18.16	-18.72/-18.82	-18.15/-19.23	-17.58/-18.41	-15.24/-13.02	-13.23/-15.51	-11.34/-10.62	-14.08/-19.99	-12.06/-9.33	-13.98/-12.32	-8.69/-11.74	-11.13/-10.51	-12.03/-10.91	-10.17/-14.11	-17.66/-19.34	-17.31/-12.39	-10.95/-18.41	-18.66/-19.34	-17.84/-18.89	-18.16/-19.4	-15.9/-18.25	-19.1/-18.05	-18.57/-19.07	-17.94/-17.83	
Θ (90°)	-17.74/-18.67	-18.36/-18.24	-17.32/-16.65	-17.37/-18.58	-18.4/-18	-17.15/-18.13	-13.43/-13.2	-14.37/-17.71	-13.01/-10	-17.2/-13.27	-16.96/-13.96	-14.05/-12.6	-11.43/-12.94	-13.74/-16.72	-19.16/-18.76	-17.44/-14.38	-13.14/-18.13	-19.22/-18.81	-18.55/-18.88	-19.4/-18.06	-18.48/-16.24	-18.18/-19.4	-18.21/-19.04	-18.12/-19.03	
Θ (97.5°)	-19/-18.92	-19.04/-19.14	-17.92/-18.37	-18.82/-18.61	-17.92/-16.97	-19.04/-18.98	-16.38/-17.02	-13.95/-18.06	-14.63/-11.63	-18.61/-15.49	-14.85/-14.31	-15.72/-16.04	-14.65/-16.98	-18.1/-19.21	-17.98/-19	-17.91/-17.12	-18.94/-18.54	-18.47/-19.06	-17.95/-19.07	-18.82/-18.28	-18.42/-18.14	-19.08/-15.57	-19.46/-18.51	-14.8/-14.99	
Θ (105°)	-17.52/-18.61	-19.95/-16.61	-17.46/-18.98	-18.25/-18.98	-17.84/-18.09	-18.27/-18.17	-18.04/-15.45	-15.73/-18.43	-16.1/-15.85	-17.25/-15.97	-16.7/-17.47	-16.24/-18.91	-18.26/-18.58	-18.16/-18.97	-17.53/-17.76	-18.73/-17.88	-18.35/-18.64	-19.07/-18.6	-17.1/-19.11	-17.64/-18.33	-17.76/-17.93	-17.93/-17.43	-17.39/-17.43	-17.39/-17.43	
Θ (112.5°)	-16.9/-15.34	-15.26/-17.67	-18.8/-18.46	-19.13/-17.68	-17.25/-18.26	-18.64/-16.66	-18.64/-14.61	-18.69/-17.87	-18.72/-18.78	-19.25/-17.22	-19.29/-18.86	-19.14/-18.68	-16.5/-18.08	-18.91/-18.54	-17.85/-19.01	-17.71/-18.83	-18.96/-19.91	-19.19/-18.44	-18.25/-18.87	-18.95/-18.39	-17.16/-19.18	-18.53/-15.95	-12.48/-14.91	-19.13/-19.03	
Θ (120°)	-18.95/-19.18	-18.73/-18.34	-17.91/-18.25	-19.35/-19.06	-18.59/-18.53	-19.23/-19.14	-18.54/-17.81	-18.63/-18.7	-19.02/-18.31	-18.48/-18.46	-17.83/-18.4	-18.49/-17.98	-17.56/-18.52	-18.15/-17.62	-18.83/-17.92	-17.93/-19.02	-19.1/-18.67	-17.84/-18.46	-19.32/-18.25	-17.86/-17.7	-17.52/-15.57	-18.88/-18.54	-13.82/-11.95	-18.24/-17.74	
Θ (127.5°)	-17.93/-18.14	-17.79/-18.06	-18.43/-18.31	-19.06/-18.08	-17.89/-18.57	-18.79/-18.06	-19.12/-18.28	-19.07/-17.8	-18.69/-18.06	-18.73/-17.93	-19.23/-19.06	-18.66/-19.35	-17.98/-17.5	-17.94/-17.81	-18.61/-18.97	-18.84/-18.6	-18.58/-18.68	-18.18/-19.04	-17.52/-18.48	-18.49/-18.03	-16.85/-18.52	-18.49/-14.74	-16.16/-8.2	-18.24/-17.74	
Θ (135°)	-14.74/-13.15	-18.92/-18.18	-18.40/-17.95	-17.84/-17.92	-18.92/-18.9	-17.69/-17.75	-17.93/-18.1	-18.09/-18.06	-17.93/-18.97	-19.03/-19.42	-17.62/-18.59	-18.78/-18.07	-18.33/-19.08	-18.12/-17.79	-17.76/-18.08	-19.38/-19.9	-18.07/-17.91	-18.02/-18.19	-18.71/-18.32	-17.84/-19.15	-18.55/-17.61	-18.02/-14.58	-17.18/-17.9	-18.82/-13.19	
Θ (142.5°)	-18.98/-17.57	-17.42/-18.22	-19.39/-17.78	-17.93/-18.55	-18.38/-17.66	-19.15/-18.76	-19.09/-19.07	-18.82/-18.98	-18.32/-18.03	-17.73/-17.75	-17.94/-18.74	-17.48/-18.53	-18.24/-18.01	-19.57/-18.6	-18.62/-19.02	-18.49/-17.52	-18.83/-16.36	-17.77/-17.82	-18.87/-18.25	-18.43/-18.68	-18.49/-14.59	-16.32/-19.42	-17.8/-19.16	-18.15/-18.35	
Θ (150°)	-18.27/-18.52	-15.8/-18.34	-16.69/-17.74	-18.16/-18.7	-18.85/-18.93	-18.46/-18.22	-17.93/-17.99	-18.11/-18.84	-16.95/-17.1	-17.27/-16.88	-18.38/-16.06	-15.66/-15.85	-17.17/-18.28	-19.03/-15.82	-16.23/-17.45	-18.47/-18.47	-19.09/-17.5	-18.38/-16.47	-17.81/-18.66	-18.71/-18.99	-17.6/-18.5	-19.07/-18.52	-16.09/-15.57	-13.78/-16.61	
Θ (157.5°)	-17.82/-15.62	-15.29/-16.56	-16.8/-16.75	-17.84/-17.95	-19.89/-18.19	-17.87/-16.5	-17.67/-17.74	-18.65/-18.99	-19.23/-19.12	-18.12/-17.21	-18.67/-16.66	-18.47/-17.4	-17.71/-18.19	-17.94/-17.59	-17.37/-18.85	-18.34/-18.14	-19.09/-17.95	-18.15/-18.9	-17.22/-18.47	-18.36/-18.7	-18.68/-17.88	-15.87/-15.53	-19.27/-18.65	-17.59/-19.11	
Θ (165°)	-16.49/-18.74	-19.1/-18.13	-19/-18.64	-18.63/-17.17	-18.97/-18.29	-17.47/-18.85	-17.93/-18.6	-16.64/-15.98	-17.17/-18.17	-18.55/-18.69	-19/-18.85	-18.68/-19.49	-17.91/-19.01	-19.17/-19.37	-19.63/-17.71	-17.44/-17.96	-18.12/-17.43	-17.84/-17.69	-18.19/-17.79	-18.35/-19.28	-19.07/-18.13	-18.96/-18.85	-18.73/-18.08	-16.98/-15.57	
Θ (172.5°)	-18.84/-19.23	-18.59/-17.15	-19.09/-18.92	-17.49/-18.18	-17.79/-17.75	-18.02/-17.52	-18.01/-18.47	-18.67/-19.18	-19.22/-18.57	-18.38/-19.31	-17.47/-17.84	-18.99/-18.13	-19.05/-19.19	-18.17/-19.39	-17.61/-17.55	-17.69/-18.11	-18.82/-17.36	-18.11/-18.41	-19.29/-18.59	-18.24/-18.4	-17.48/-17.02	-17.23/-18.28	-18.48/-17.74	-18.6/-18.64	
Θ (180°)	-15.6/-17.09	-18.15/-18.6	-19.23/-18.84	-19.05/-18.29	-18.87/-18.33	-19.18/-17.72	-17.23/-18.44	-17.95/-17.75	-18.15/-17.85	-15.5/-14.7	-15.6/-16.36	-17.31/-18.23	-17.77/-18.31	-17.79/-17.43	-18.39/-19	-18.9/-18.67	-18.43/-18.25	-17.03/-18.83	-18.88/-18.56	-19.42/-17.8	-15.95/-15.48	-15.8/-15.7	-16.81/-18.45	-18.36/-15.49	
Freq(Hz)	5.785GPol.	Phi/Ant. 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)	
Θ (0°)	0.07/-1.1	1.84/2.57	3.19/-3.49	3.59/3.46	3.19/-2.98	2.65/-1.97	1.1/-0.12	-1.78/-3.72	-6.37/-10.74	-19.11/-17.45	-9.38/-5.16	-2.55/-1.08	-0.01/-1.11	2.27/2.98	3.32/3.6	3.76/3.7	3.64/3.33	2.76/2.07	1.07/-0.2	-1.78/-3.9	-6.65/-11.47	-19.01/-16.64	-9		



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ(7.5°)	2.81/3.57	4.09/4.43	4.62/4.68	4.64/4.35	3.92/3.27	2.39/1.19	-0.39/-2.41	-5.16/-9.08	-16.59/-18.67	-11.22/-4.65	-3.55/-1.56	-0.12/-1.04	1.86/2.49	2.94/3.23	3.37/3.34	3.16/2.83	2.24/-1.4	0.25/-1.21	-3.07/-5.58	-9.1/-15.04	-18.38/-14	-8.66/-5.35	-2.82/-0.89	0.67/1.85
Θ(15°)	1.97/2.72	3.36/3.63	4.24/-4.9	4.56/4.4	4.02/3.4	2.53/-1.41	0.06/-1.59	-3.64/-6.25	-10.29/-18.34	-18.84/-11.75	-7.38/-4.83	-3.12/-1.78	-0.76/-0.4	0.74/-1.29	1.63/-1.77	1.69/-1.33	0.64/-0.35	-1.72/-3.49	-5.78/-8.86	-13.75/-17.55	-18.66/-11.59	-7.71/-5.1	-3.1/-1.47	-1.03/-1.03
Θ(22.5°)	1.18/-1.66	2.09/2.63	3.25/3.78	4.06/4	3.63/2.98	2.14/-1.1	-0.09/-1.4	-2.95/-4.96	-7.95/-12.87	-19.13/-17.09	-11.4/-8.27	-6.68/-5.5	-4.59/-3.64	-2.51/-1.38	-0.47/-0.08	0.2/-0.16	-1.03/-2.38	-4.12/-6.26	-8.83/-12.21	-17.78/-17.53	-14.1/-9.31	-6.14/-3.86	-2.17/-0.98	-0.08/-0.64
Θ(30°)	0.83/0.85	0.91/-1.3	2.13/2.97	3.53/-59	3.24/2.57	1.72/0.65	-0.65/-2.22	-4.21/-6.73	-10.36/-16.61	-17.64/-15.9	-10.82/-8.3	-7.11/-7.01	-7.84/-8.9	-8.2/-5.72	-3.49/-2.13	-1.71/-2.16	-3.41/-5.17	-7.14/-9.44	-10.62/-12.76	-16.32/-18.57	-14.13/-9.61	-6.3/-3.82	-1.96/-0.7	0.12/0.64
Θ(37.5°)	0.19/0	-0.19/0.12	1.11/2.27	3.03/3.21	2.83/2.1	1.17/-0.06	-1.76/-3.84	-5.96/-7.59	-8.91/-10.85	-14.09/-14.66	-10.88/-8.3	-7.23/-7.59	-9.4/-12.93	-13.87/-9.1	-5.55/-3.93	-3.79/-4.84	-6.74/-8.71	-9.79/-10.22	-11.03/-12.96	-16.36/-18.56	-15.08/-11.13	-7.87/-5.31	-3.25/-1.69	-0.58/-0.04
Θ(45°)	-0.77/-0.8	-1.11/-1.07	-0.24/-1.05	2.12/-48	2.23/-1.57	0.72/-0.45	-1.92/-3.13	-3.33/-2.91	-2.78/-3.66	-6.99/-10.36	-15.62/-13.6	-11.49/-11.65	-13.62/-18.15	-17.8/-12.36	-7.96/-6.25	-5.65/-8.4	-11.07/-11.85	-10.8/-10.54	-11.8/-14.25	-16.04/-14.73	-13.02/-11.62	-9.97/-8.01	-5.78/-3.76	-2.19/-1.17
Θ(52.5°)	-2.15/-1.8	-1.98/-2.29	-1.73/-0.12	1.47/2.25	2.19/1.65	0.85/-0.22	-1.39/-1.98	-1.68/-1.2	-1.16/-1.98	-4.12/-8.41	-17.03/-17.91	-18.58/-18.76	-18.29/-18.48	-17.25/-11.51	-8.55/-7.74	-8.95/-11.45	-12.81/-11.09	-10.12/-11.18	-13.41/-13.49	-11.5/-10.46	-10.84/-11.49	-12.08/-11.4	-9.15/-6.6	-4.45/-3.02
Θ(60°)	-4.27/-3.22	-3.04/-3.41	-3.05/-1.07	0.98/1.93	1.73/0.77	-0.51/-1.96	-3.08/-3.09	-2.35/-1.85	-1.94/-2.7	-4.64/-8.92	-17.46/-19.04	-18.78/-19.31	-18.48/-18.85	-15.72/-12.46	-10.06/-9.47	-10.93/-12.3	-10.59/-8.59	-8.67/-11.08	-13.1/-10.65	-8.82/-8.91	-10.51/-13.06	-15.8/-16.82	-14.38/-10.86	-8.04/-5.83
Θ(67.5°)	-6.03/-4.06	-3.38/-3.77	-4.08/-2.41	-0.34/-0.7	-0.06/-1.47	-2.95/-3.95	-3.85/-2.67	-1.6/-1.35	-1.79/-2.74	-4.66/-8.86	-17.44/-16.08	-15.23/-17.97	-18.13/-17.68	-17.62/-14.3	-11.83/-11.45	-12.45/-11.42	-8.6/-7.36	-8.23/-10.74	-10.39/-8.01	-7.34/-8.64	-12.01/-17.89	-18.01/-18.26	-17.97/-16.58	-12.28/-8.93
Θ(75°)	-6.74/-4.66	-4.04/-5.24	-7.71/-6.13	-3/-1.81	-2.27/-3.28	-3.71/-3.77	-3.73/-3.04	-2.18/-2.06	-2.62/-3.42	-4.74/-7.71	-13.07/-13.15	-12.22/-15.9	-18.63/-15.79	-13.51/-11.56	-10.13/-10.22	-11.47/-11.15	-8.92/-8.3	-10.26/-12.47	-8.82/-5.99	-5.39/-6.57	-9.73/-15.83	-17.99/-18.98	-17.61/-18.88	-14.89/-10.52
Θ(82.5°)	-6.99/-5.36	-5.44/-7.64	-11.17/-6.19	-3.64/-2.7	-3.16/-3.92	-4.39/-5.15	-6.29/-5.98	-4.79/-4.64	-5.33/-5.89	-6.85/-9.7	-11.04/-12.03	-11.03/-14.4	-18.07/-15.52	-12.19/-9.67	-8.43/-8.24	-8.22/-7.43	-6.46/-7.12	-10.68/-15.99	-9.94/-6.43	-5.75/-6.97	-10.04/-16.63	-15.8/-18.41	-17.37/-16.27	-13.26/-10.09
Θ(90°)	-6.32/-6.17	-7.03/-10.23	-14.23/-8.33	-5.83/-5.78	-6.61/-7.39	-7.79/-9.4	-12.51/-10.41	-7.02/-5.9	-5.91/-5.88	-6.47/-8.63	-11.41/-10.09	-8.74/-10.37	-14.13/-16.71	-15.14/-16.44	-12.31/-11.12	-9.27/-7.1	-5.9/-6.54	-9.36/-14.06	-9.28/-5.32	-4.09/-4.51	-6.14/-8.8	-11.86/-13.48	-11.77/-10.09	-8.82/-7.3
Θ(97.5°)	-8.79/-9.9	-12.15/-18.47	-13.21/-6.94	-6/-7.45	-8.91/-9.31	-9.71/-12.06	-15.65/-11.34	-8.06/-7.37	-7.63/-7.34	-7.65/-9.82	-13.27/-13.19	-11.19/-11.73	-13.85/-15.26	-14.34/-12.81	-11.1/-9.13	-7.89/-6.83	-6.33/-6.88	-9.32/-16.07	-11.18/-5.72	-3.91/-3.77	-4.69/-6.77	-10.06/-12.04	-10.94/-9.83	-8.96/-8.43
Θ(105°)	-9.66/-12.45	-16.63/-15.66	-8.5/-8.55	-6.29/-10.1	-14.27/-15.47	-16.32/-19.27	-19.43/-11.41	-8.99/-8.51	-7.86/-6.66	-7.02/-10.39	-18.91/-16.46	-11.89/-14.05	-11.36/-14.11	-12.15/-19.2	-15.48/-12.09	-9.4/-7.36	-6.61/-6.6	-7.63/-10.34	-9.61/-5.91	-4.15/-3.61	-7.32/-9.87	-9.72/-8.75	-8.37/-8.51	
Θ(112.5°)	-7.91/-10.74	-14.45/-18.68	-14.74/-10.66	-12.35/-16.01	-13.78/-12.95	-14.29/-16.62	-13.19/-9.55	-7.93/-7.09	-6.11/-10.38	-18.08/-17.89	-12.26/-9.58	-9.38/-10.73	-12.11/-11.31	-9.4/-9.26	-10.1/-9.79	-9.19/-8.87	-10.04/-14.38	-12.9/-7.85	-5.6/-4.33	-3.5/-3.78	-5.29/-6.49	-0.08/-4.53	-5.48/-6.21	
Θ(120°)	-16.48/-15.83	-13.33/-12.59	-10.56/-8.96	-9.96/-11.58	-10.51/-10.75	-13.91/-17.79	-18.02/-12.58	-10.23/-8.64	-7.38/-7.39	-10.01/-18.14	-18.69/-18.85	-17.95/-14.48	-14.52/-18.04	-18.04/-17.04	-12.88/-11.76	-10.96/-9	-7.52/-6.46	-6.37/-7.57	-8.78/-8.69	-8.29/-10.49	-9.81/-8.94	-10.24/-12.3	-11.83/-10.69	-10.98/-13.2
Θ(127.5°)	-18.21/-17.42	-17.3/-14.35	-12.12/-11.71	-16.2/-12.19	-14.16/-12.88	-14.08/-17.09	-14.01/-10.22	-8.07/-10.1	-6.83/-9.7	-11/-16.1	-18.07/-19.26	-16.65/-14.13	-15.16/-17.49	-14.56/-11.39	-10.14/-11.28	-14.18/-14.39	-11.88/-8.88	-9.62/-10.72	-9.93/-7.79	-7.15/-7.47	-7.81/-7.23	-7.57/-8.7	-9.07/-8.63	-9.06/-11.5
Θ(135°)	-11.31/-13.44	-14.42/-16.76	-18.29/-17.94	-15.92/-11.49	-10.4/-8.09	-11.12/-17.73	-18.48/-12.6	-8.96/-8.81	-9.31/-10.91	-13.69/-17.7	-18.06/-17.66	-17.02/-16.45	-18.68/-18.26	-18.77/-14.4	-11.89/-11.48	-11.39/-9.82	-7.58/-8.13	-5.85/-6.91	-9.09/-11.36	-14.52/-15.51	-18.28/-12.29	-9.35/-8.72	-6.59/-5.93	-6.36/-6.29
Θ(142.5°)	-6.98/-6.97	-7.16/-8.04	-10.08/-13.41	-16.78/-15.93	-14.07/-14.28	-17.94/-18.47	-18.12/-12.61	-10.49/-10.19	-11.05/-12.55	-13.96/-14.48	-14.46/-14.57	-15.22/-18.58	-18.21/-18.22	-14.88/-14.08	-15.25/-18.75	-17.66/-17.09	-11.42/-8.18	-6.32/-5.29	-4.95/-4.98	-5.47/-6.52	-7.79/-8.46	-9.89/-6.94	-6.11/-5.79	-6.05/-6.7
Θ(150°)	-6.77/-6.84	-7.08/-7.77	-9.29/-12.17	-17.38/-17.49	-17.37/-18.55	-18.11/-18.5	-18/-19.25	-17.39/-17.89	-17.24/-12.98	-10.11/-8.53	-8.17/-8.82	-10.51/-13.14	-15.86/-16.17	-14.36/-12.92	-12.47/-12.9	-14.44/-17.55	-17.97/-19.09	-17.14/-12.34	-8.8/-8.52	-8.04/-8.2	-8.7/-9.01	-8.74/-8.18	-7.65/-7.19	-7.01/-6.95
Θ(157.5°)	-11.6/-11.46	-11.32/-11.43	-12.24/-14.18	-17.77/-17.83	-19.3/-17.88	-14.33/-11.89	-10.37/-9.57	-8.96/-8.5	-8.21/-8.77	-7.5/-7.41	-8/-9.45	-11.53/-14.18	-16.5/-18.17	-18.65/-17.89	-16.44/-15.01	-14.2/-14.4	-15.54/-17.65	-19.27/-17.9	-14.58/-12.17	-10.86/-10.41	-10.42/-10.58	-10.8/-11.18	-11.57/-11.79	-11.99/-11.98
Θ(165°)	-16.81/-17.72	-18.79/-18.3	-18.47/-18.22	-18.76/-17.95	-18.61/-15.87	-13.31/-11.2	-9.74/-8.9	-8.52/-8.58	-9.11/-10.04	-11.47/-13.22	-15.49/-18.56	-18.98/-18.04	-18.29/-17.73	-18.66/-19	-18.13/-17.23	-17.83/-18.05	-18.82/-17.68	-14.81/-12.3	-10.14/-8.45	-7.35/-6.74	-6.53/-6.63	-7.04/-7.91	-9.03/-10.32	-11.87/-13.92
Θ(172.5°)	-10.05/-11.66	-13.68/-15.86	-18.04/-17.67	-19.03/-18.63	-17.59/-18.9	-18.39/-18.06	-16.96/-16.12	-15.75/-16.04	-16.77/-17.34	-17.28/-16.39	-14.79/-13.16	-11.86/-11.19	-10.96/-11.19	-11.81/-12.83	-14.49/-16.89	-19.03/-18.97	-19.16/-19.44	-15.75/-12.79	-10.5/-8.79	-7.56/-6.76	-6.24/-5.96	-5.97/-6.3	-6.88/-7.48	-8.15/-8.91
Θ(180°)	-7.41/-7.95	-8.79/-9.87	-11.08/-12.35	-13.86/-15.75	-18.09/-19.06	-18.56/-19.24	-18.83/-17.59	-15/-19.92	-11.24/-9.85	-8.84/-8.28	-8.07/-8.01	-8.19/-8.61	-9.19/-9.84	-10.67/-11.69	-13.07/-15.05	-17.85/-19.09	-17.54/-18.32	-17.98/-17.43	-14.65/-12.72	-10.87/-9.68	-8.66/-7.9	-7.42/-7.29	-7.29/-7.25	-7.21/-7.23
Freq(Hz)	5.2G/Pol.	PhiAnt. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	-0.21/-1.57	-3.42/-6.05	-9.4/-12.95	-13.65/-9.85	-6.26/-3.59	-1.72/-0.31	0.87/1.81	2.62/3.19	3.52/3.66	3.17/2.63	1.91/0.05	0.339/-6.1	0.001/-1.32	0.195/-3.96	-1.57/-3.48	-1.65/-1.03	1.08/1.88	2.39/2.69	2.89/2.55	2.94/2.84	2.61/2.21	1.57/0.77		
Θ(7.5°)	0.05/-1.49	-2.94/-4.81	-7.51/-10.66	-12.87/-11.41	-8.26/-5.76	-3.9/-2.34	-1.22/-0.23	0.52/1.16	1.66/2.02	2.16/2	1.77/1.42	0.82/0.06	-0.85/-2.09	-3.82/-6.2	-9.63/-13.43	-13.07/-8.97	-5.25/-2.73	-0.86/0.6	1.69/2.48	2.97/3.33	3.56/3.62	3.58/3.43	3.25/2.88	2.21/1.9
Θ(15°)	0.22/-1.54	-3.6/-5.84	-8.62/-11.82	-14.08/-12.22	-8.81/-6.01	-3.83/-2.12	-0.94/-0.02	0.73/-1.21	1.65/2.03	2.43/2.75	2.72/2.22	1.34/-0.04	-1.25/-2.28	-3.45/-5.08	-7.25/-10.5	-15.78/-15.72	-9.66/-8.58	-3.19/-1.13	0.33/-1.38	2.16/2.75	3.13/2.4	3.27/3.08	2.92/2.75	2.29/1.42
Θ(22.5°)	1.47/-0.52	-2.76/-5.61	-10.39/-18.63	-14.32/-9.37	-6.55/-4.42	-2.55/-1.01	0.21	1.72/2.28	2.69/2.33	2.92/3.06	3.22/3.14	2.61/-3.4	-0.18/-1.89	-3.05/-3.92	-5.22/-7.97	-14.99/-18.81	-10.52/-5.83	-2.55/-0.22	1.4/2.5	3.2/3.6	3.81/3.87	3.83/3.68	3.48/3.45	3.18/2.57
Θ(30°)	1.93/0.71	-1.59/-5.04	-12.13/-18.76	-9.85/-7.36	-7.3/-6	-3.47/-1.49	-0.09/-1.31	2.55/3.5	4.154/-33	4.143/-77	3.43/0.3	2.44/-1.7	0.21/-5.2	-3.38/-4.57	-5.44/-7.65	-13.73/-18.02	-10.88/-5.02	-1.36/0.79	2.03/2.72	3.02/3.15	3.28/3.41	3.36/3.05	2.62/3.7	2.28/2.27
Θ(37.5°)	1.1/0.61	-1.21/-4.92	-14.22/-17.24	-9.23/-4.88	-10.47/-6.48	-2.55/-0.4	1.32/6.7	3.36/3.7	3.914/-22	4.52/3.71	2.83/-1.55	0.05/-1.69	-3.65/-6.25	-8.51/-11.19	-18.27/-18.98	-9.64/-4.57	-1.79/-0.2	0.73/-1.16	1.45/2.01	2.67/3.13	3.17/2.67	1.81/0.1	0.73/0.83	
Θ(45°)	-0.11/-0.28	-1.24/-4.57	-12.79/-17.69	-11.47/-11.4	-13.6/-5.89	-2.76/-0.75	1.05/2.06	2.44/2.79	3.15/3.43	3.88/3.97	3.53/2.95	2.31/-1.47	0.03/-1.81	-3.5/-6.35	-11.29/-14.94	-17.93/-17.76	-11.41/-6.14	-4.23/-2.48	-0.95/-0.3	0.02/0.93	1.97/2.61	2.72/2.44	1.83/1.14	0.62/0.2
Θ(52.5°)	-0.61/-1	-2.08/-5.66	-12.93/-18.77	-14.64/-14.91	-12.23/-6.12	-4.06/-1.83	-0.6/-0.34	0.39/-1.56	2.01/1.73	1.39/1.25	0.82/0.61	0.9/0.79	-0.12/-1.64	-3.43/-7.16	-14.55/-18.49	-18.08/-18.78	-11.6/-6.92	-4.6/-2.21	-0.49/0.09	0.25/1.1	2.05/2.62	2.52/2.15	1.24/0.18	0.04/0.02
Θ(60°)	-1.31/-																							



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ(52.5°)	-4.56/-3.47	-3.12/-3.66	-4.42/-3.92	-3.29/-3.5	-2.09/-0.99	-1.9/-3.59	-5.36/-5.48	-4.9/-6.02	-11.79/-18.19	-16.65/-13.09	-9.66/-8.63	-7.94/-7.31	-5.74/-3.09	-1.7/-3.14	-5.85/-5.64	-5.4/-4.83	-3.94/-3.65	-3.85/-4.76	-6.24/-6.37	-9.93/-10.03	-11.38/-14.52	-18.47/-13.43	-10.6/-10.15	-9.2/-7.1
Θ(60°)	-5.36/-4.32	-5.16/-7.05	-6.28/-5.27	-5.78/-6.08	-4.7/-4.23	-5.16/-5.97	-7.95/-7.05	-6.21/-8.53	-13.52/-17.93	-18.65/-15.14	-9.41/-9.62	-10.09/-10.06	-8.6/-5.93	-4.55/-5.5	-7.64/-8.1	-8.77/-8.55	-6.72/-6	-5.81/-6.62	-8.32/-8.66	-8.84/-9.41	-12.53/-16.36	-17.08/-11.68	-10.2/-10.56	-11.02/-8.32
Θ(75°)	-6.8/-6.52	-7.49/-9.61	-7.96/-7.37	-8.38/-8.54	-6.74/-7.13	-7.22/-7.84	-9.44/-8.04	-8.04/-10.4	-16.2/-18.95	-19.14/-12.18	-7.83/-9.94	-12.35/-14.67	-12.38/-8.4	-8.45/-9.76	-10.48/-9.85	-11.58/-12.23	-10.31/-8.26	-8.37/-8.98	-10.83/-10.38	-8.89/-11.15	-14.97/-19.17	-18.13/-12.34	-11.28/-13.71	-13.29/-10.67
Θ(75°)	-8.67/-8.71	-10.13/-12.99	9.34/-10.23	-11.3/-11.3	-9.14/-8.96	-7.42/-9.05	-10.33/-8.87	-8.52/-10.15	-17.53/-17.91	-18.14/-11.4	-7.71/-10.66	-15.03/-17.34	-17.42/-12.29	-12.33/-14.74	-15.18/-12.02	-15.05/-17.55	-15.66/-11.42	-11.29/-11.67	-13.3/-13.17	-11.83/-14.75	-18.39/-18.72	-18.93/-14	-12.77/-13.55	-16.34/-12.64
Θ(82.5°)	-10.23/-11.82	-13.8/-16.98	-10.75/-12.75	-13.98/-13.44	-10.3/-9.6	-8.82/-11.6	-11.18/-16.48	-9.24/-10.91	-19.17/-18.98	-16.56/-11.46	-8.97/-12.89	-16.77/-18.08	-18.38/-15.12	-14.88/-18.1	-18.57/-16.1	-18.83/-17.49	-18.73/-15.99	-17.17/-17.9	-18.1/-18.07	-15.72/-17.55	-17.38/-18.79	-19.4/-16.6	-14.84/-15.26	-17.88/-15.76
Θ(90°)	-13.18/-14.52	-17.29/-17.94	-12.77/-13.85	-15.37/-15.92	-12.47/-11.38	-1.45/-15.4	-14.98/-13.56	-11.41/-13.31	-18.58/-19.05	-19.1/-15.66	-11.58/-12.77	-17.42/-18.62	-16.84/-17.88	-16.85/-18.13	-18.24/-17.69	-17.85/-17.59	-18.35/-17.42	-18.58/-19.07	-16.81/-19.1	-17.66/-18.54	-18.34/-17.01	-15.79/-16.08	-19.25/-17.77	
Θ(97.5°)	-16.24/-17.63	-18.37/-19.26	-15.45/-15.92	-16.89/-18.89	-16.78/-12.94	-13.62/-18.57	-17.2/-15.65	-14.07/-17.83	-18.63/-18.75	-18.07/-17.61	-14.48/-19.65	-18.97/-19.22	-19.34/-18.21	-18.33/-18.17	-18.39/-19.01	-18.57/-18.04	-17.99/-16.16	-19.15/-18.07	-18.88/-18.23	-18.06/-19.2	-18.18/-18.67	-17.85/-18.45	-16.77/-17.23	-17.69/-18.37
Θ(105°)	-18.27/-18.02	-18.24/-17.73	-17.77/-18.52	-17.83/-18.67	-19.31/-16.6	-17.9/-19.02	-18.54/-16.48	-15.44/-19.16	-17.76/-18.5	-18.42/-18.82	-16.53/-18.16	-18.28/-17.7	-17.87/-19.05	-17.55/-17.98	-19.25/-17.18	-18.74/-17.36	-19.01/-15.75	-18.98/-19.02	-18.42/-17.91	-17.62/-19.06	-18.94/-17.79	-18.58/-17.91	-17.86/-18.23	-18.09/-18.06
Θ(112.5°)	-16.92/-19.19	-17.55/-18.1	-15.55/-19.51	-18.05/-19.34	-18.14/-15.6	-18.21/-17.61	-18.8/-16.34	-15.58/-19.62	-18.31/-18.33	-17.91/-19.38	-18.95/-18.66	-19.11/-17.38	-17.78/-18.74	-17.75/-18.97	-19.14/-17.42	-18.17/-18.86	-18.61/-18.23	-18.06/-18.85	-17.68/-18.4	-17.82/-17.93	-16.86/-18.5	-17.55/-17.52	-18.79/-17.38	-17.78/-18.73
Θ(120°)	-18.76/-18.46	-19.02/-17.87	-17.79/-18.78	-18.27/-18.53	-18.33/-18.42	-18.12/-17.83	-18.05/-18.34	-18.74/-19.03	-17.83/-18.04	-19.46/-18.91	-17.85/-18.57	-18.63/-18.77	-18.48/-17.92	-18.75/-18.02	-18.91/-18.44	-18.63/-17.84	-19.07/-17.8	-18.89/-17.32	-18.83/-18.54	-17.99/-18.19	-18.3/-17.78	-18.92/-17.98	-18.49/-17.57	-18.37/-17.87
Θ(127.5°)	-16.65/-18.62	-18.35/-17.94	-17.95/-18.52	-17.98/-19.15	-18.04/-18.69	-18.27/-17.81	-17.96/-18.36	-18.94/-19.21	-18.02/-18.91	-18.56/-19.03	-18.93/-19.09	-18.1/-18.05	-17.96/-18.33	-18.21/-18.29	-18.87/-17.45	-18.65/-19.16	-18.35/-18.7	-18.85/-18.03	-18.97/-17.75	-17.67/-17.39	-19.39/-17.99	-17.65/-17.39	-18.38/-17.32	-18.66/-18.64
Θ(135°)	-18.84/-19.01	-17.51/-19.01	-17.82/-18.05	-18.53/-17.71	-19.12/-18.57	-19.06/-18.86	-17.22/-18.57	-18.32/-18.68	-17.24/-19.04	-17.8/-17.77	-19.26/-19.01	-17.2/-18.53	-18.59/-17.37	-18.67/-17.86	-18.28/-19.15	-16.65/-16.35	-15.35/-17.93	-18.68/-18.43	-17.64/-18.12	-18.7/-18.66	-17.85/-18.25	-18.69/-18.42	-18.2/-18.43	-19.06/-18.19
Θ(142.5°)	-17.9/-18.41	-17.78/-18.81	-17.43/-17.45	-18.53/-18.69	-18.05/-18.22	-17.68/-18.48	-18.91/-18.69	-18.89/-17.73	-18.69/-18.77	-18.79/-17.7	-17.95/-19.07	-19.34/-18.43	-18.67/-19.18	-19.09/-18.56	-18.84/-18.15	-17.72/-16.01	-17.18/-18.54	-17.27/-17.67	-18.93/-18.97	-18.85/-19.13	-17.37/-17.49	-19.26/-17.98	-18.59/-18.84	-18.67/-18.1
Θ(150°)	-18.05/-19.37	-18.26/-18.42	-18.17/-18.67	-17.89/-18.38	-18.94/-19.07	-17.8/-18.12	-17.82/-17.65	-18.37/-18.32	-18.84/-18.63	-18.54/-18.02	-18.09/-18.7	-18.83/-17.79	-18.29/-18.36	-17.86/-18.05	-18.59/-18.31	-19.01/-17.98	-19.61/-18.79	-18.33/-19.08	-17.68/-18.23	-17.71/-18.71	-17.32/-18.81	-17.63/-18.67	-17.96/-18.56	-17.63/-18.63
Θ(157.5°)	-19.15/-18.52	-18.22/-17.46	-18.57/-18.2	-18.72/-18.19	-18.54/-19.02	-17.29/-18.43	-17.79/-18.12	-18.28/-18.45	-17.84/-18.17	-18.81/-18.28	-18.49/-17.43	-18.24/-18.55	-18.75/-18.71	-17.72/-17.24	-18.64/-18.95	-18.49/-18.69	-19.21/-19.29	-18.75/-18.8	-17.64/-18.02	-17.37/-18.57	-17.71/-18.69	-18.86/-18.9	-18.48/-19.12	-18.16/-18.62
Θ(165°)	-18.81/-18.48	-18.38/-17.63	-17.59/-17.9	-17.9/-19.59	-18.94/-17.98	-18.24/-18.48	-18.67/-17.1	-18.92/-17.19	-18.04/-17.84	-18.92/-17.67	-17.94/-18.7	-17.46/-18.56	-18.57/-18.08	-18.58/-17.54	-19.23/-18.84	-17.83/-17.66	-18.01/-18.69	-18.68/-18.8	-19.05/-17.39	-19.45/-18.79	-18.88/-18.48	-17.98/-18.58	-18.27/-18.7	-18.72/-17.83
Θ(172.5°)	-19.17/-17.25	-19.06/-18.65	-18.69/-18.02	-17.57/-18.58	-19.25/-18.41	-18.38/-19.12	-18.44/-18.26	-18.57/-17.78	-17.54/-17.79	-17.38/-18.75	-18.56/-19.07	-17.96/-19.21	-18.97/-18.5	-17.98/-17.63	-18.07/-18.45	-18.91/-18.07	-18.57/-18.7	-17.87/-18.05	-17.85/-17.76	-17.76/-18.09	-18.07/-17.89	-18.05/-18.09	-19.12/-18.43	-18.93/-19.11
Θ(180°)	-18.02/-18.05	-19.41/-18.14	-17.54/-18.56	-18.22/-18.66	-17.46/-18.29	-18.43/-19.98	-18.54/-18.4	-18.33/-18.65	-19.04/-18.67	-18.18/-19.12	-19.04/-18.66	-17.5/-18.99	-18.14/-17.92	-18.23/-17.95	-19.22/-17.69	-19/-18.24	-18.32/-18.66	-18.43/-18.57	-17.82/-17.67	-18.32/-17.9	-18.65/-17.67	-18.28/-18.52	-18.31/-18.77	-19.41/-17.73
Freq(Hz)	5.6GPol.	PhiAnt. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	-0.51/-1.93	-3.75/-6.11	-9.27/-15.21	-17.85/-13.19	-7.75/-4.63	-2.48/-1.04	0.11/0.96	1.62/12	2.53/2.72	2.74/2.61	2.41/1.92	1.17/0.17	-1.05/-2.45	-4.39/-1.74	-11.71/-17.89	-18.56/-11.5	-7.23/-4.48	-2.47/-1	0.12/0.91	1.52/1.93	2.29/2.53	2.67/2.66	2.43/1.96	1.28/0.49
Θ(7.5°)	-2.05/-3.99	-5.89/-8.13	-11.42/-17.24	-18.04/-12.4	-8.17/-5.26	-3.32/-1.72	-0.50/-55	1.26/1.74	2.08/2.26	2.81/2.61	2.25/1.97	1.51/0.66	-0.37/-1.76	-3.47/-5.77	-9.33/-16.15	-18.35/-12.25	-7.45/-4.42	-2.28/-0.66	0.54/1.41	2.03/2.41	2.64/2.75	2.72/2.46	2.11/35	0.54/-0.62
Θ(15°)	-1.29/-3.22	-5.72/-8.14	-10.62/-16.46	-19.23/-11.8	-6.96/-4.16	-2.4/-1.26	-0.38/0.5	1.27/1.81	2.06/2.03	1.84/1.63	1.35/0.86	0.18/-0.66	-1.42/-2.27	-3.59/-5.8	-9.58/-16.93	-18.52/-12.42	-7.65/-4.42	-3.83/-1.84	-0.38/0.64	1.34/1.74	1.93/2.04	2.14/2.16	1.91/6.5	0.85/0
Θ(22.5°)	-0.9/-2.13	-3.67/-5.86	-8.94/-14.8	-18.99/-10.32	-6.09/-0.43	-3.1/-2.5	-1.55/-0.61	0.13/0.51	0.64/0.77	1.02/1.38	1.68/1.68	1.23/0.24	-0.81/-1.6	-2.43/-3.94	-6.89/-12.31	-19.28/-15.86	-9.79/-6.08	-3.42/-1.46	-0.03/0.87	1.39/1.59	1.65/1.65	1.64/1.54	1.36/1.19	0.78/0.09
Θ(30°)	-1.8/-2.87	-4.34/-5.49	-7.82/-13.23	-17.59/-10.5	-6.8/-5.21	-4.59/-3.14	-1.32/-0.08	0.71/1.44	2.11/2.45	2.33/1.85	1.46/1.39	1.28/0.63	-0.55/-1.61	-2.24/-2.95	-4.7/-8.75	-17.86/-17.77	-8.85/-5.11	-2.72/-1.11	-0.04/0.81	1.51/2.05	2.37/2.46	2.23/1.79	1.32/0.75	-0.07/-0.91
Θ(37.5°)	-1.78/-3.15	-5.26/-7.59	-10.47/-17	-18.42/-12	-8.51/-6.86	-4.37/-2.09	-1.06/-0.15	1.19/2.24	2.8/0.34	3.04/2.61	1.79/1.19	0.79/-0.06	-1.38/-2.76	-4.08/-5.33	-7.52/-10.92	-18.2/-19.1	-9.25/-5.02	-2.74/-1.7	-0.88/0.18	1.52/1.09	2.72/2.02	2.77/2.24	1.53/0.72	-0.05/-0.83
Θ(45°)	-1.28/-2.23	-4.07/-7.63	-13.39/-19.11	-18.11/-15.84	-14.06/-9.56	-4.88/-2.76	-1.94/-0.06	1.51/1.93	2.27/2.66	3.053.16	2.58/1.66	0.95/0.07	-1.24/-2.54	-4.98/-9.4	-13.85/-14.53	-17.92/-18.38	-9.94/-5.83	-3.74/-2.57	-1.46/0.1	1.27/2.21	2.81/3.16	3.16/2.72	1.79/0.42	-0.5/-1.1
Θ(52.5°)	-2.14/-3.42	-4.76/-6.73	-12.55/-17.5	-18.43/-17.96	-18.31/-11.83	-5.81/-4.1	-2.64/-0.43	0.36/0.91	1.99/2.62	2.58/2.15	1.27/0.21	-0.61/-1.38	-2.18/-2.93	-5.19/-11.48	-18.33/-18.93	-19.37/-17.55	-9.84/-5.84	-4.07/-2.83	-1.6/-0.27	0.94/1.66	1.88/1.71	1.65/1.5	1.01/-0.49	-2.01/-2.19
Θ(60°)	-5.37/-5.39	-6.08/-7.98	-13.43/-17.64	-18.51/-17.81	-16.34/-10.33	-5.63/-4.36	-3.45/-2.85	-1.92/-0.88	-0.42/-0.76	-1.74/-1.35	-1.54/-2.01	-2.6/-3.65	-5.59/-8.55	-16.36/-18.06	-16.1/-16.12	-11.6/-6.98	-4.65/-3.88	-2.84/-1.38	-0.25/0.6	-0.62/-1.33	-1.23/-0.61	-0.57/-1.7	-3.87/-5.81	
Θ(67.5°)	-7.89/-8.89	-9.48/-9.62	-13.15/-17.31	-18.01/-19.21	-15.6/-10.15	-5.48/-3.78	-3.94/-3	-1.39/-1.22	-2.7/-4.72	-4.5/-7.77	-1.1/0.02	-0.65/-2.22	-3.46/-6.41	-5.89/-8.3	-16.33/-17.88	-15.53/-14.49	-11.27/-10.73	-5.51/-5.66	-4.59/-2.24	-0.93/-1.51	-3.06/-4.27	-4.18/-2.95	-2.07/-2.56	-4.57/-7.36
Θ(75°)	-10.02/-10.75	-12.58/-12.54	-15.76/-19.13	-19.11/-17.37	-14.83/-9.72	-6.49/-5.02	-6.19/-3.1	-1.18/-1.3	-2.84/-4.02	-3.22/-1.82	-0.86/0.3	-0.26/-2.67	-4.82/-6.28	-7.03/-9.96	-14.55/-19.31	-18.15/-14.78	-12.47/-8.41	-7.48/-7.66	-8.45/-3.23	-1.24/-2.58	-4.68/-5.24	-5.21/-1.48	-3.11/-3.71	-6/-8.39
Θ(82.5°)	-11.89/-12.51	-13.3/-15.2	-17.26/-18.57	-18.12/-18.11	-17.12/-12.3	-9.15/-7.65	-9.22/-4.29	-2.82/-2.47	-3.82/-4.45	-4.12/-3.3	-1.98/-1.06	-1.84/-1.75	-7.21/-8.43	-9.45/-12.49	-16.78/-19.18	-13.33/-15.11	-12.61/-9.26	-9.65/-9.84	-6.23/-2.72	-2.19/-3.8	-5.56/-6	-4.64/-2.22	-4.56/-4.59	-6.56/-8.59
Θ(90°)	-12.17/-14.24	-16.55/-17.31	-18.03/-17.92	-17.76/-18.25	-19.08/-14.41	-12.5/-10.96	-11.83/-6.82	-5.34/-4.36	-5.94/-6.82	-6.92/-6.06	-4.51/-3.92	-3.96/-7.12	-10.38/-11.01	-11.32/-14.09	-17.46/-18.9	-19.35/-18.48	-16.49/-12.61	-13.42/-12.8	-7.77/-4.32	-3.8/-5.64	-6.89/-7.13	-7.14/-7.39	-6.17/-5.89	-8.06/-9.11
Θ(97.5°)	-11																							



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ(97.5°)	-19.03/-18.85	-18.41/-19.3	-17.52/-17.72	-18.66/-17.86	-18.51/-16.57	-17/-18.34	-17.44/-17.08	-16.39/-16.71	-18.81/-19.19	-18.5/-17.9	-18.83/-18.67	-18.48/-17.74	-18.74/-18.21	-18.69/-18.79	-19.01/-17.75	-18.87/-17.03	-19.05/-18.42	-18.47/-18.59	-17.65/-18.31	-18.23/-17.93	-17.84/-18.05	-17.42/-18.22	-19.02/-18.3	-18.78/-18.71
Θ(105°)	-18.26/-19.03	-18.33/-18.8	-17.56/-18.05	-18.16/-19.23	-18.95/-19.65	-17.84/-17.7	-18.09/-17.78	-19.13/-18.74	-17.73/-18.21	-17.34/-17.19	-17.64/-17.83	-17.67/-17.7	-18.87/-18.65	-18.44/-18.18	-18/-17.29	-17.39/-18.35	-18.89/-18.13	-18.7/-18.71	-19.15/-19.25	-17.37/-17.5	-19.16/-18.44	-18.8/-17.18	-18.09/-18.7	-19.05/-18.22
Θ(112.5°)	-18.47/-17.9	-18.56/-19.2	-17.56/-18.12	-18.66/-18.29	-18.65/-18.29	-17.31/-19.34	-18.34/-17.86	-18.39/-18.72	-17.31/-18.74	-17.64/-18.5	-18.11/-17.61	-17.93/-17.03	-18.71/-18.8	-18.88/-18.6	-18.91/-18.54	-18.71/-19.16	-18.36/-18.86	-18.68/-18.48	-18.33/-18.45	-18.29/-17.99	-17.5/-17.79	-17.71/-18.88	-19.04/-19.45	-18.03/-17.82
Θ(120°)	-17.81/-19.35	-17.81/-17.82	-18.22/-19.11	-18.24/-18.34	-19.08/-18.11	-17.71/-19.51	-17.08/-19.32	-18.39/-18.02	-18.57/-18.63	-18.38/-18.9	-17.55/-19.37	-18.85/-17.51	-18.32/-19.01	-19.64/-18.37	-18.06/-17.93	-17.63/-17.86	-19.09/-18.58	-16.97/-19.25	-18.81/-18.07	-17.63/-18.35	-17.52/-17.94	-18.98/-19.07	-18.07/-18.02	-19.08/-18.29
Θ(127.5°)	-19.3/-18.14	-18.98/-18.52	-18.05/-18.49	-18.46/-18.51	-17.22/-19.17	-18.94/-17.86	-17.81/-19.34	-19.15/-17.27	-18.54/-18.49	-17.4/-18.62	-18.09/-18.46	-18.06/-19.02	-18.83/-18.1	-18.06/-17.78	-18.72/-18.77	-18.5/-18.39	-18.5/-18.22	-15.51/-18.89	-18.97/-18.93	-18.12/-17.5	-18.1/-18.85	-18/-18.14	-18.27/-17.82	-18.22/-17.88
Θ(135°)	-19.34/-17.94	-17.46/-18.74	-17.63/-17.17	-18.05/-18.4	-17.94/-17.92	-18.03/-18.66	-18.29/-18.7	-17.74/-19.02	-18.96/-18.16	-17.61/-19.12	-18.25/-18.66	-18.81/-18.46	-18.39/-18.91	-17.95/-17.4	-17.41/-16.7	-18.79/-18.58	-19.25/-18.15	-18.48/-17.82	-19.04/-18.02	-18.51/-17.69	-18.7/-17.18	-18.1/-18.6	-19.1/-18.6	-18.43/-18.3
Θ(142.5°)	-18.19/-18.58	-19.08/-18.8	-18.93/-17.61	-19.42/-18.29	-18.3/-18.56	-17.9/-18.34	-18.49/-18.08	-18.82/-18.41	-17.37/-18.09	-17.39/-17.14	-18.22/-18.57	-19.11/-18.66	-17.83/-18.11	-18.76/-17.9	-19.26/-18.55	-17.39/-17.15	-18.83/-15.22	-18.03/-18.64	-17.2/-19.15	-18.19/-17.25	-19/-19.33	-19.03/-18.84	-19.28/-17.78	-19.15/-18.56
Θ(150°)	-18.96/-17.48	-17.85/-19.16	-18.52/-17.84	-18.98/-19.01	-18.08/-18.29	-18.25/-18.48	-18.15/-17.82	-18.38/-17.77	-18.85/-17.61	-19.26/-17.9	-18.39/-18.28	-18.24/-18.24	-19.12/-18.35	-17.35/-19.03	-18.29/-18.21	-17.62/-18.55	-18.3/-17.67	-18/-18.82	-17.25/-18.08	-19.43/-18.76	-18.9/-17.78	-18.81/-18.55	-17.46/-18.82	-18.54/-18.57
Θ(157.5°)	-18.66/-18.74	-18.51/-18.5	-18.39/-18.06	-17.24/-18.86	-17.81/-18.96	-18.68/-18.65	-17.98/-17.78	-18.79/-19.38	-18.16/-17.88	-18.24/-18.84	-18.24/-17.7	-17.77/-19.27	-18.01/-19.03	-17.6/-19.19	-19.07/-18.68	-18.95/-18.07	-18.71/-19.09	-17.48/-17.99	-18.08/-18.78	-18.48/-19.16	-18.28/-18.97	-17.76/-19.03	-19.27/-19.28	-18.01/-19.3
Θ(165°)	-18.23/-17.69	-18.48/-19.05	-18.06/-18.99	-18.54/-18.45	-17.51/-18.89	-18.8/-19	-18.22/-18.99	-18/-17.75	-18.08/-18.56	-18.21/-18.06	-18.34/-18.95	-17.59/-17.92	-18.4/-18.16	-18.62/-18.94	-19.05/-18.59	-18.6/-18.29	-18.06/-18.78	-18.87/-17.61	-18.16/-18.76	-18.6/-17.75	-18.12/-19.08	-17.83/-17.31	-18.7/-18.11	-17.26/-17.84
Θ(172.5°)	-19.14/-18.24	-17.42/-19.11	-18.63/-18.04	-19.12/-19.1	-18.19/-17.67	-18.86/-18.51	-18.06/-18.84	-17.94/-18.24	-18.68/-18.89	-17.37/-18.88	-18.41/-18.34	-18.55/-17.6	-17.99/-18.14	-18.73/-18.69	-17.82/-18.26	-18.44/-18.13	-18.23/-18.91	-18.76/-17.98	-18.89/-18.07	-18.02/-19.02	-18.98/-19.31	-19.17/-19.2	-17.79/-18.45	-17.84/-19.19
Θ(180°)	-17.77/-18.07	-18.9/-18.29	-17.97/-18.83	-17.4/-17.19	-18.71/-18	-17.82/-17.46	-17.37/-18.97	-18/-18.9	-19.08/-18.77	-18.41/-18.64	-18.58/-18.85	-18.3/-17.72	-19.16/-17.61	-18.71/-18.66	-17.35/-17.13	-18.67/-18.43	-19.06/-17.78	-18.1/-18.28	-17.42/-18.43	-18.47/-18.16	-17.18/-18.02	-18.2/-17.92	-17.97/-18.88	-17.5/-18.39
Freq(Hz)	2.45GPol.	PhiAnt. 4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	4.124.95	5.576	6.326.5	6.165.67	6.165.67	4.984.08	2.941.44	4.1059/3.28	7.39/-14.27	1.344/-6.79	2.84/-0.19	1.72/3.2	4.315/-4.5	5.766.19	6.436.51	6.436.21	5.853.54	4.63/2.72	5.531.02	1.04/-3.38	8.51/-17.08	13.78/-6.87	2.94/-0.39	1.513.02
Θ(7.5°)	4.34.98	5.47/5.82	6.02/6.11	6.09/5.95	5.64/5.12	4.45/3.59	2.53/1.13	-0.75/-3.28	-7.2/-14.52	-16.92/-8.03	-3.6/-0.76	1.25/2.8	3.924.77	5.4/5.83	6.1/6.22	6.17/5.99	5.66/5.18	4.53/5.7	2.36/0.75	-1.46/-4.71	-9.59/-16.01	-9.94/-4.92	-1.70/-49	2.13/3.34
Θ(15°)	3.944.47	4.9/5.18	5.34/5.4	5.38/5.22	4.91/4.42	3.75/2.92	1.98/0.79	-0.82/-2.94	-6.21/-12.17	-18.29/-10.76	-5.27/-2.11	-0.011.49	2.58/3.36	3.97/4.42	4.734.88	4.89/4.75	4.494.13	3.56/2.75	1.58/-0.01	-2.3/-5.69	-10.76/-12.81	-7.36/-3.41	-0.84/-0.93	2.21/2.32
Θ(22.5°)	3.03/3.64	4.16/4.58	4.89/5.07	5.14/9.46	4.65/4.07	3.24/2.25	1.22/0.13	-1.17/-2.87	-5.65/-10.7	-18.34/-12.74	-6.54/-3.34	-1.37/0.05	1.08/1.98	2.75/3.38	3.834.07	4.11/3.96	3.66/3.2	2.57/1.68	0.46/-1.24	-3.71/-7.58	-13.04/-11.5	-6.11/-2.83	-0.72/0.62	1.62/2.38
Θ(30°)	1.48/2.43	3.36/4.04	4.54/4.84	4.97/4.93	4.65/4.03	2.98/1.62	0.17/-1.12	-2.16/-3.31	-5.44/-9.59	-18.09/-15.83	-8.36/-5.06	-3.06/-1.46	0.06/1.53	2.84/3.82	4.46/4.8	4.88/4.69	4.24/3.57	2.61/33	-0.26/-2.24	-5/-9.23	-17/-14.15	-7.45/-3.96	-2.03/-0.98	-0.25/0.58
Θ(37.5°)	0.21/7.2	2.94/3.81	4.39/4.7	4.87/4.97	4.87/4.33	3.25/1.58	-0.5/-2.57	-0.4/4.512	-7.11/-11.59	-18.5/-14.12	-8.1/-5.31	0.77/2.67	4.04/4.94	5.44/5.65	5.65/5.45	5.65/5.45	5.4/27	3.18/1.65	-0.31/-2.73	-5.78/-10.14	-18.05/-17.88	-8.52/-5.7	-3.69/-2.77	-2.13/-1.16
Θ(45°)	-1.11/0.49	1.84/2.73	3.33/3.68	3.91/4.17	4.32/4.1	3.31/1.88	-0.01/-2.05	-3.83/-5.27	-7.33/-11.08	-16.83/-11.65	-10.9/4.65	-2.85/-0.74	1.44/3.24	4.5/5.18	5.45/5.55	5.58/5.54	5.34/7.99	3.81/2.28	0.12/-2.72	-6.3/-10.79	-17.9/-18.65	-10.5/-6.11	-3.9/-3.18	-3.12/-2.55
Θ(52.5°)	-4.93/-2.19	-0.34/0.86	1.68/2.12	2.23/2.17	2.08/1.71	0.84/-0.63	-2.36/-3.56	-4.02/-4.48	-5.6/-7.83	-11.34/-11.18	-7.52/-4.76	-2.49/-0.12	1.99/3.6	4.54.82	4.82/4.78	4.87/4.95	4.88/4.45	3.53/1.9	-0.6/-4.06	-8.41/-13.83	-19.24/-19.04	-10.9/-6.7	-4.99/-5.2	-6.8/-7.31
Θ(60°)	-5.87/-2.27	0.02/-1.44	2.46/3.03	3.12/2.7	1.88/0.59	-1.37/-3.44	-8.57/-11.93	-10.65/-9.35	-9.21/-10.46	-13.96/-18.34	-14.08/-8.37	-4.79/-1.76	0.65/2.29	3.09/3.16	2.92/2.82	2.99/3.2	2.19/0.58	-1.85/-4.71	-7.64/-10.76	-15.62/-17.8	-15.79/-13.05	-8.97/-16.23	-15.03/-13.37	
Θ(67.5°)	-8.2/-4.56	-2.15/-0.42	0.87/1.69	1.97/1.77	1.06/0.14	-1.84/-4.24	-7.65/-19.4	-16.41/-18.18	-17.84/-18.44	-18.71/-17.84	-18.48/-8.49	-5.55/-2.84	0.63/0.85	1.37/1.23	0.98/1.04	1.31/1.57	1.81/81	1.21/0.02	-1.59/-3.49	-6.22/-10.23	-16.81/-18.96	-16.89/-12.29	-11.37/-13.93	-18.35/-14.24
Θ(75°)	-10.75/-7.96	-5.42/-3.2	-1.4/-0.42	-0.35/-1.04	-2.4/-4.47	-6.98/-10.19	-13.82/-14.32	-12.91/-13.84	-17.13/-19.03	-19.68/-15.9	-11.07/-7.25	-4.7/-2.74	-1.13/-0.04	0.37/0.2	-0.12/-0.32	-0.36/-0.08	0.49/0.75	0.43/-0.34	-1.68/-4.06	-8.18/-14.9	-18.62/-19.03	-19.17/-17.65	-16.27/-19.57	-17.37/-15.4
Θ(82.5°)	-12.27/-18.18	-7/-4.67	-2.62/-1.38	-1.23/-2.09	-3.53/-0.59	-6.54/-8.52	-12.11/-19	-18.85/-17.68	-18.22/-18	-19.07/-17.82	-16.81/-10.44	-7.09/-4.96	-3.31/-2.06	-1.49/-1.52	-1.97/-2.43	-2.39/-1.63	-0.75/-0.39	-0.52/-1.28	-3.09/-6.55	-12.23/-18.77	-17.86/-17.78	-16.63/-19.75	-18.59/-18.07	-19.02/-18.35
Θ(90°)	-18.13/-18.08	-13.37/-9.21	-6.15/5.43	-4.37/-6.12	-10.07/-15.18	-15.08/-13.43	-13.65/-16.32	-19.01/-18.85	-18.62/-18.94	-18.18/-18.11	-17.63/-11.08	-7.62/-5.21	-2.73/-2.62	-1.78/-1.71	-2.22/-3.78	-7.02/-12.23	-16.01/-15.65	-16.33/-17.94	-16.85/-18.6	-17.45/-16.15	-17.45/-16.15	-16.27/-17.17		
Θ(97.5°)	-17.77/-18.26	-16.39/-11.51	-7.88/-5.96	-5.33/-6.4	-9.6/-15.07	-18.72/-19.08	-16.4/-16.22	-17.34/-16.73	-14.44/-13.24	-15.04/-18.42	-18.04/-13.46	-9.73/-7.82	-6.32/-4.62	-3.51/-3.48	-4.2/-4.62	-4.54/-4.35	-4.26/-4.39	-5.11/-6.56	-7.91/-8.7	-10.01/-12.07	-14.01/-16.99	-18.3/-18.56	-18.31/-18.91	-17.24/-16.47
Θ(105°)	-16.88/-15.67	-14.08/-11.98	-9.59/-5.84	-8.62/-9.49	-11.25/-13.23	-16.36/-17.76	-18.3/-17.75	-17.04/-15.16	-12.7/-11.38	-12.36/-15.54	-16.43/-13.73	-10.55/-9.18	-8.22/-6.93	-5.73/-5.53	-5.2/-5.01	-5.14/-5.44	-5.55/-5.57	-6/-6.8	-7.91/-9.98	-13.55/-16.81	-16.88/-15.9	-17.17/-18.54	-16.87/-17.11	-16.76/-17.02
Θ(112.5°)	-18.82/-15.51	-13.63/-13.55	-12.81/-11.91	-12.26/-13.34	-14.28/-14.98	-15.78/-15.35	-13.07/-11.84	-12.07/-12.86	-13.29/-13.76	-16.74/-18.26	-18.88/-17.27	-16.65/-14.25	-13.4/-12.54	-10.78/-9.07	-8.89/-7.79	-8.24/-8.25	-7.89/-7.82	-8.13/-8.78	-10.15/-12.46	-13.98/-13.64	-11.95/-10.58	-11.44/-14.99	-17.58/-18.67	-19.03/-17.64
Θ(120°)	-17.75/-9.87	-8.3/-8.25	-9.22/-10.61	-12.18/-13.15	-13.01/-13.62	-17.54/-18.8	-16.25/-11.95	-10.58/-10.43	-10.6/-11.31	-13.4/-17	-18.83/-16.07	-13.01/-10.97	-18.78/-9.09	-8.89/-7.03	-7.83/-9.37	-11.37/-14.6	-10.19/-18.44	-17.82/-18.46	-14.54/-12.07	-12.73/-17.05	-18.33/-15.22	-17.71/-17.87	-16.82/-16.13	
Θ(127.5°)	-14.01/-12.79	-11.35/-10.63	-10.78/-11.15	-11.85/-14.2	-12.26/-12.6	-15.06/-18.69	-16.31/-12.05	-10.81/-11.5	-13.65/-17.38	-19.09/-18.51	-18.2/-18.33	-17.56/-18.71	-17.75/-15.42	-13.77/-12.67	-12.47/-12.19	-11.54/-11.94	-14.02/-17.54	-17.31/-19.35	-18.22/-18.42	-18.66/-19.18	-13.29/-17.09	-10.73/-12.56	-15.55/-15.94	-14.87/-14.43
Θ(135°)	-19.24/-18.03	-18.52/-17.61	-17.77/-18.01	-19.19/-17.36	-18.52/-17.99	-19.08/-18.59	-10.95/-8.18	-7.04/-17.16	-8.39/-13.07	-13.09/-15.98	-18.38/-19.11	-17.05/-18.33	-11.84/-11.54	-12.34/-12.9	-12.04/-10.63	-9.96/-10.48	-12.08/-14.65	-19.31/-17.87	-17.78/-19.1	-16.86/-13.5	-11.23/-10.13	-10.24/-11.77	-15.4/-18.77	-19.07/-18.7
Θ(142.5°)	-18.29/-18.46</																							



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ (150°)	-16.69/-16.77	-14.82/-13.39	-14.1/-16.07	-16.08/-17.98	-18.26/-19.11	-17.81/-17.37	-14.06/-13.1	-13.81/-14.17	-13.82/-14.96	-17.18/-19.2	-17.48/-18.5	-17.9/-14.09	-14.33/-17.97	-18.91/-19.43	-14.92/-13.81	-13.3/-13.49	-14.96/-18.08	-18.01/-19.35	-17.82/-19.3	-16.21/-15.47	-16.4/-15.46	-19.52/-19.24	-15.98/-13.2	-13.91/-17.01
Θ (157.5°)	-15.8/-16.58	-18.06/-18.79	-17.18/-17.77	-18.1/-15.67	-13.67/-13.2	-14.17/-14.42	-14.27/-13.41	-12.99/-12.9	-13.07/-13.09	-13.91/-13.39	-11.42/-9.97	-9.84/-11.26	-12.1/-10.73	-10.25/-11.32	-14.28/-18.49	-18.11/-18.91	-16.49/-14.95	-15.92/-17.58	-19.09/-19.02	-15.4/-12.78	-12.08/-14.03	-18.17/-19.27	-17.19/-17.59	-18.04/-15.51
Θ (165°)	-13.89/-13.69	-13.2/-14.13	-14.84/-15.21	-15.5/-14.28	-13.01/-12.17	-12.16/-12.8	-13.19/-14.84	-16.34/-16.89	-17.42/-16.8	-16.48/-17.58	-17.53/-16	-14.65/-13.06	-11.49/-11.16	-12.92/-14.5	-14.43/-15	-15.29/-15.8	-16.54/-16.98	-16.04/-13.98	-12/-11.15	-11.47/-12.01	-13.08/-14.86	-16.29/-17.63	-18.95/-19.4	-17.98/-14.16
Θ (172.5°)	-11.2/-12.79	-13.08/-14.09	-15.2/-15.46	-15.83/-15.64	-15.69/-15.51	-15.25/-15.36	-14.77/-15.32	-16.4/-16.35	-15.65/-15.98	-16.3/-16.41	-15.61/-12.8	-10.9/-9.97	-9.74/-10.31	-11.52/-11.93	-12.49/-14.14	-15.58/-16.44	-16.49/-16.87	-16.19/-14.65	-13.4/-12.9	-13.39/-14.06	-13.62/-12.49	-10.54/-9.05	-8.87/-9.23	-9.68/-9.71
Θ (180°)	-9.19/-10.02	-10.43/-10.93	-11.29/-11.6	-12.63/-14.41	-16.75/-19.11	-18.5/-17.99	-18.63/-17.51	-17.55/-18.19	-18.09/-16.2	-13.28/-11.53	-10.99/-11.47	-12.22/-12.15	-11.65/-11.4	-11.72/-12.17	-12.76/-13.01	-14.3/-16.78	-18.23/-18.93	-18.74/-18.04	-18.2/-18.05	-17.21/-15.02	-13.37/-11.9	-10.31/-9.01	-8.19/-7.99	-8.15/-8.45
Freq(Hz)	5.3GPol.	PhiAnt. 4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	0.64/-1.55	2.12/2.52	2.93/2.22	3.4/3.7	3.12/2.69	2.01/1.13	0.07/-1.42	-3.43/-5.96	-9.99/-16.6	-18.71/-12.65	-7.58/-3.42	-2.27/-0.85	0.41/1.34	1.93/2.29	2.39/2.45	2.6/2.63	2.4/1.92	1.26/0.42	-0.74/-2.36	-4.45/-7.47	-12.04/-17.84	-17.31/-14.03	-6.43/-3.92	-2.1/-0.62
Θ (7.5°)	-0.63/0.3	0.97/1.58	2.07/2.22	2.34/2.3	2.08/1.64	1.02/0.17	-0.77/-2.07	-3.69/-5.94	-9.31/-14.53	-19.28/-15.61	-9.59/-5.54	-2.5/-0.38	0.99/0.27	2.86/3.35	3.7/3.86	3.84/3.73	3.43/2.85	1.98/0.9	-0.44/-2.36	-4.74/-8.42	-13.67/-18.13	-15.78/-10.02	-6.87/-4.67	-2.9/-1.61
Θ (15°)	-0.52/0.48	1.29/1.71	2.12/42	2.66/2.77	2.82/2.54	1.92/1.1	0/-1.21	-2.76/-4.59	-7.24/-11.2	-18.1/-17.9	-11.24/-6.63	-3.24/-0.81	0.82/0.5	2.93/3.39	3.67/3.82	3.78/3.63	3.42/2.96	2.21/1.02	-0.57/-2.51	-5.03/-9	-15.54/-18.76	-11.47/-7.47	-5.52/-4.28	-3.05/-1.67
Θ (22.5°)	0.08/1.26	2.08/2.38	2.39/2.47	2.52/2.58	2.59/2.43	1.98/1.45	0.69/-0.36	-1.36/-2.09	-3.52/-6.46	-13.89/-16.46	-7.96/-3.97	-1.26/0.5	1.61/2.57	3.16/3.36	3.39/3.4	3.38/3.37	3.53/3.54	3.16/2.27	0.85/-0.79	-3.38/-7.8	-15.62/-13.59	-16.29/-13.47	-3.89/-3.97	-3.13/-1.46
Θ (30°)	0.38/1.57	2.38/2.98	3.49/4.11	4.48/4.48	4.14/3.5	2.88/2.42	-3.31/3.31	-3.31/5.16	-11.7/-18.78	-6.72/-6.24	-0.51/0.75	1.66/2.45	2.98/3.21	3.33/3.37	3.39/3.39	3.46/3.54	3.25/2.81	2.12/0.88	-1.7/-6.49	-17.21/-16.3	-9.04/-6.55	-5.82/-5.35	-3.49/-1.29	
Θ (37.5°)	0.27/1.46	2.15/2.68	3.12/3.31	3.4/3.57	3.62/3.35	2.91/2.28	1.01/-0.35	-2.78/-5.64	-7.1/-9.56	-16.84/-13.28	-5.55/-2.06	-0.81/-0.08	0.97/1.91	2.59/3.2	3.77/3.92	3.63/2.5	2.94/2.47	2.03/1.43	0.34/-1.48	-3.76/-7.87	-16.5/-17.22	-12.12/-10.33	-9.86/-6.76	-3.41/-1.25
Θ (45°)	-0.22/1.18	1.79/2.36	3.17/3.51	3.51/3.59	3.77/3.52	2.93/1.8	-0.2/-1.94	-3.82/-7.34	-11.43/-14.57	-18.27/-12.12	-5.77/-2.47	-1.27/-0.55	0.43/1.31	2.04/2.59	3.28/3.42	3.02/2.71	1.76/0.67	-0.27/-1.41	-1.84/-2.14	-3.57/-6.86	-13.42/-17.83	-16.74/-14.47	-13.33/-6.49	-3.31/-1.63
Θ (52.5°)	-1.46/-0.35	0.0/37	1.05/1.02	1.21/73	1.76/1.08	0.89/1.15	0.88/0.04	-1.9/-6.41	-14.5/-18.04	-16.67/-15.38	-7.2/-3.1	-1.09/0.28	0.95/1.4	2.02/2.63	3.21/3.07	2.81/2.64	2.19/1.7	0.88/0.11	-1.73/-3.02	-5.83/-13.24	-17.57/-18.5	-18.9/-17.93	-9.71/-4.77	-3.01/-2.33
Θ (60°)	-0.9/0.17	-0.08/-0.48	-1.06/-2.31	-1.75/-1.03	-0.73/0.35	1.32/1.36	0.53/-0.4	-1.8/-5.97	-14.31/-18.51	-18.37/-15.84	-8.41/-4.2	-2.2/-0.91	-0.27/0.06	1.27/2.51	3.1/2.8	2.14/2.02	1.87/0.68	0.05/-0.78	-2.11/-3.22	-4.68/-8.02	-12.82/-19.37	-17.75/-15.01	-10.7/-4.85	-2.19/-1.58
Θ (67.5°)	-1.19/0.54	-0.73/0.55	-1.14/-2.92	-1.88/-1.77	-1.3/0.8	2.12/1.72	-0.01/-1.51	-4.4/-10.41	-17.73/-19.87	-17.88/-15.6	-7.75/-3.87	-1.88/-0.97	-1.28/-1.4	-0.98/0.89	1.52/0.97	-0.05/0.58	0.94/0.57	-0.13/-1.11	-2.91/-3.68	-4.89/-7.09	-9.36/-14.72	-14.58/-12.43	-8.33/-5.85	-3.95/-3.05
Θ (75°)	-1.68/-0.5	0.67/0.65	-2.27/-2.57	-1.78/-2.72	-1.33/1.24	1.99/0.11	-3.34/-5.69	-7.74/-12.29	-18.64/-17.39	-18.34/-14.73	-10.27/-6.77	-4.29/-3.06	-2.84/-4.62	-3.29/-0.65	0.09/0.64	-2.4/-2.64	-0.94/-0.02	-1.32/-1.7	-4.7/-5.8	-6.04/-6.12	-8.92/-16.9	-15.88/-14.34	-10.71/-7.62	-3.93/-3.16
Θ (82.5°)	-4.13/-3.09	-2.85/-2.71	-4.41/-3.73	-3.65/-4.03	-1.51/-0.13	-0.17/-3.07	-7.3/-8.18	-7.73/-9.74	-16.4/-13.85	-14.15/-13.37	-11.33/-9	-6.87/-4.97	-4.27/-6.12	-5.56/-3.07	-1.71/-2.43	-4.03/-4.13	-2.82/-2.06	-2.22/-3.15	-3.67/-6.34	-9.04/-7.92	-10.29/-16.09	-18.48/-14.93	-9.46/-8.05	-5.42/-6.3
Θ (90°)	-6.13/-6.1	-5.31/-5.51	-6.9/-5	-6.56/-7.15	-4.44/-3.53	-4.54/-8.12	-11.17/-8.85	-7.69/-10.53	-13.18/-11.52	-12.32/-14.04	-13.01/-11.01	-9.08/-7.89	-6.03/-6.49	-7.24/-5.22	-4.28/-4.46	-5.54/-7.28	-6.24/-9.45	-6.45/-6.49	-6.37/-6.8	-10.86/-9.45	-14.9/-18.45	-17.83/-17.84	-13.74/-12.23	-7.71/-2.97
Θ (97.5°)	-8.69/-9.2	-8.13/-10.74	-10.59/-9.04	-14.85/-11.65	-6.83/-6.6	-7.21/-9.11	-10.07/-9.87	-8.21/-7.91	-10.84/-13.31	-16.57/-18.22	-17.4/-14.18	-11.61/-11.53	-8.79/-9.71	-7.97/-6.11	-6.92/-6.13	-6.74/-8.24	-7.09/-7.93	-11.18/-11.36	-9.27/-8.88	-12.35/-11.57	-17.57/-18.21	-18.17/-19.15	-15.21/-14.44	-11.66/-14.58
Θ (105°)	-8.1/-10.86	-10.9/-15.41	-14.33/-12.65	-15.28/-12.33	-9.59/-8.99	-11.99/-10.78	-11.88/-10.58	-8.93/-11.12	-12.86/-15.27	-18.66/-18.09	-16.85/-13.57	-10.55/-13.15	-13.15/-10.41	-9.51/-8.72	-10.23/-10.7	-8.28/-8.26	-6.56/-7.65	-13.27/-13.6	-18.34/-17.36	-15.66/-11.97	-16.96/-18.54	-18.69/-18.14	-17.97/-18.57	-14.61/-11
Θ (112.5°)	-13.79/-15.73	-14.8/-16.21	-17.17/-17.64	-11.34/-11.91	-12.65/-15.1	-13.86/-10.02	-10.39/-11.62	-14.83/-13.14	-14.14/-17.38	-17.79/-17.67	-16.24/-15.37	-12.57/-14.82	-18.65/-13.89	-10.39/-9.64	-10.67/-14.03	-12.36/-9.86	-7.96/-6.8	-9.72/-13.06	-16.19/-19.35	-15.78/-11.37	-12.23/-11.89	-18.83/-19.08	-18.76/-19.39	-15.43/-13.08
Θ (120°)	-18.56/-15.16	-13.56/-15.91	-19/-18.68	-13.14/-15.08	-17.35/-16.47	-14.38/-13.04	-16.16/-17.36	-15.01/-18.9	-18.28/-18.04	-19.27/-17.37	-17.72/-18.93	-17.4/-14.66	-17.68/-14.24	-10.63/-8.69	-8.76/-12.07	-18.43/-17.73	-11.71/-10.54	6.89/-9	-11.81/-17.34	-18.11/-19.27	-17.85/-18.3	-18.55/-18.83	-18.97/-17.95	-17.16/-67
Θ (127.5°)	-12.02/-9.87	-10.89/-13.95	-18.27/-17.9	-18.46/-18.46	-17.37/-18.58	-14.5/-15.65	-18.16/-17.74	-18.56/-18.61	-19.4/-19.2	-18.43/-17.93	-18.29/-18.43	-15.62/-14.61	-14.15/-15.01	-13.85/-9.35	-6.13/-10.4	-11.47/-15.55	-15.25/-10.61	-10.79/-15.3	-18.21/-14.1	-17.03/-16.09	-13.69/-18.94	-16.77/-17.93	-18.88/-18.25	-16.13/-67
Θ (135°)	-15.91/-15.97	-18.07/-18.3	-19.13/-16.62	-13.87/-14.12	-18.84/-17.52	-14.51/-16.52	-18.16/-17.59	-18.79/-18.58	-18.67/-17.42	-19.17/-17.49	-17.62/-17.47	-15.87/-14.94	-14.2/-18.31	-17.74/-18.77	-13.32/-10.77	-10.95/-7.98	-9.51/-12.72	-10.27/-13.05	-17.92/-18.39	-18.15/-18.11	-12.83/-15.28	-19.35/-15.22	-18.08/-19.13	-18.17/-1.36
Θ (142.5°)	-18.44/-13.51	-14.9/-18.28	-18.85/-14.78	-18.45/-17.8	-17.85/-13.65	-13.79/-16.44	-19.4/-19.43	-18.87/-14.42	-18.46/-17.73	-17.86/-17.01	-13.36/-12.78	-16.14/-18.7	-17.78/-16	-12.6/-12.61	-14.02/-15.58	-13.89/-9.7	-10.59/-9.97	-11.33/-18.6	-18.48/-18.17	-17.03/-18.12	-13.22/-10.8	-12.23/-13.09	-15.73/-17.97	
Θ (150°)	-18.85/-13.96	-13.81/-15.64	-18.96/-18.74	-19.12/-18.61	-16.17/-18.09	-16.12/-13.45	-18.21/-13.62	-15.08/-14.6	-14.01/-14.94	-17.98/-17.85	-18.81/-19.09	-18.63/-18.66	-11.51/-16.2	-18.93/-19.29	-19.18/-13.47	-12.28/-14.28	-13.33/-13.08	-14.83/-15.41	-14.54/-15.23	-17.4/-17.53	-18.78/-18.21	-16.27/-19.19	-18.18/-18.59	-13.13/-17.8
Θ (157.5°)	-18.68/-17.51	-16.06/-13.57	-12.56/-11.93	-11.94/-13.59	-17.06/-18.83	-19.03/-18.26	-18.07/-16.53	-16.53/-16.73	-16.37/-16.88	-18.21/-18.71	-17.87/-16.93	-17.3/-16.17	-15.5/-18.33	-18.41/-18.12	-18.73/-17.76	-13.47/-10.57	-9.77/-10.7	-13.85/-17.4	-18.66/-17.86	-19.38/-19.17	-18.86/-18.29	-18.96/-17.91	-18.81/-18.08	-19.29/-19.24
Θ (165°)	-17.75/-17.45	-19.12/-19.44	-18.65/-19.32	-16.81/-16.1	-17.2/-18.11	-18.47/-18.9	-17.9/-18.64	-19.29/-18.1	-18.66/-18.98	-18.77/-18.27	-17.9/-15.71	-13.71/-13.53	-13.52/-12.48	-11.55/-10.94	-10.62/-11.09	-12.35/-13.73	-16.92/-17.38	-19.15/-17	-15.76/-15.82	-16.59/-18.74	-18.36/-18.28	-17.05/-17.59	-18.58/-17.32	-18.12/-19.17
Θ (172.5°)	-19.08/-18.12	-18.32/-18.05	-18.89/-19.6	-18.93/-17.95	-17.24/-16.96	-17.4/-18.55	-17.87/-18.05	-17.95/-17.42	-19.22/-18.39	-18.09/-18.53	-18.65/-19.12	-17.98/-17.34	-16.71/-14.74	-13.81/-14.67	-15.26/-15.69	-15.9/-16.53	-17.1/-16.95	-16.11/-16.19	-17.09/-18.84	-17.77/-18.5	-17.41/-15.46	-15.59/-17.18	-18.96/-18.92	-18.76/-18.94
Θ (180°)	-19.04/-18	-19.02/-18.45	-15.63/-13.71	-12.47/-11.69	-11.15/-10.85	-10.56/-10.52	-10.89/-11.8	-12.91/-14.21	-15.71/-16.96	-17.61/-17.67	-18.68/-18.74	-18.05/-17.54	-18.67/-19.07	-17.89/-13.99	-11.5/-9.7	-8.18/-7.4	-6.98/-6.95	-7.21/-7.78	-8.26/-8.82	-9.3/-9.62	-9.53/-9.82	-10.72/-12.33	-13.98/-14.99	-15.87/-17.14
Freq(Hz)	5.3GPol.	ThetaAnt. 4		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(							



Radiated Composite Gain Data_2.4GHz, 5GHz UNII-1~3-4TX(Radio 1)

Appendix B

Θ (0°)	-0.46/0.83	1.67/1.96	2.37/2.89	3.3/3.43	3.16/2.66	2.08/1.35	0.46/-0.84	-2.21/-3.79	-6.46/-11.02	-18.57/-17.65	-10.75/-6.2	-3.58/-1.69	-0.14/1.05	2.02/2.68	3/3.19	3.35/3.49	3.38/3.05	2.45/1.73	0.86/-0.33	-2.09/-3.94	-6.81/-11.28	-18.42/-17.43	-9.7/-5.96	-3.96/-2.27
Θ (7.5°)	-0.38/0.8	1.77/2.24	2.62/3.04	3.5/3.67	3.4/2.86	2.29/1.67	0.91/-0.21	-1.49/-3.15	-5.9/-9.98	-17.57/-18.13	-11.5/-6.7	-3.77/-1.51	0.01/1.23	2.1/2.66	3.02/3.22	3.23/3.08	2.82/2.39	1.72/0.72	-0.38/-1.72	-3.15/-4.72	-6.78/-10.15	-16.39/-17.5	-12.43/-6.93	-3.98/-2.08
Θ (15°)	-0.89/0.07	0.92/1.52	2.19/2.99	3.64/3.94	3.67/3.01	2.08/1.13	0.08/-0.78	-1.66/-2.9	-5.14/-8.18	-13.07/-18.41	-13.96/-7.41	-3.88/-1.48	0.0/0.94	1.77/2.37	2.72/2.92	3.04/3.1	2.79/2.23	1.52/0.63	-0.71/-2.31	-4.24/-6.56	-9.61/-14.15	-18.93/-18.99	-9.77/-5.85	-3.85/-2.3
Θ (22.5°)	-1.29/0.41	1.68/2.55	2.88/2.78	2.69/2.95	3.01/2.89	2.26/1.24	-0.06/-0.45	-0.4/-1.15	-3.29/-7.3	-13.7/-18.51	-11.52/-5.66	-2.66/-1.13	-0.43/0.23	1.05/1.78	2.32/3.43	2.46/2.43	2.27/1.7	0.86/0.02	-0.7/-1.76	-3.6/-6.42	-10.17/-14.89	-15.38/-11.26	-7.79/-5.73	-4.32/-3
Θ (30°)	-0.99/-0.04	0.64/1.66	2.58/2.78	2.26/1.52	1.14/1.31	1.89/1.69	0.25/-0.75	-0.12/-0.14	-2.62/-8.53	-18.12/-19.29	-12.06/-6.62	-4.51/-3.14	-1.04/0.58	1.46/2.04	2.95/3.56	3.7/3.56	3/2.17	1.31/0.51	-0.67/-2.16	-3.44/-5.53	-10.17/-15.94	-13.41/-9.84	-8.1/-8.43	-7.09/-3.34
Θ (37.5°)	-0.68/0.07	0.85/1.62	2.26/2.89	3.39/3.68	3.42/2.69	1.87/0.64	-1.38/-3.46	-3.69/-3.66	-5.85/-10.66	-11.92/-13.45	-11.65/-7.05	-5.99/-2.88	0.32/1.51	1.82/2.55	3.74/4.77	5.02/4.61	3.45/2.59	2.19/1.17	-0.06/-1.36	-3.74/-6.92	-11.65/-19.25	-18.09/-13.11	-9.52/-7.96	-4.29/-1.74
Θ (45°)	-0.18/0.85	1.27/1.66	2.44/2.93	2.92/2.82	2.61/2.46	2.09/0.61	-1.38/-3	-5.27/-11.39	-14.23/-12.28	-15.44/-13.22	-9.57/-6.12	-5.24/-2.69	-0.1/0.86	1.51/2.22	2.63/3.36	3.68/3.39	2.04/0.76	-0.4/-0.41	-0.91/-1.76	-3.24/-7.47	-17.96/-19.04	-16.15/-18.49	-15.34/-8.6	-3.5/-1.16
Θ (52.5°)	-2.09/-0.73	-0.71/1.07	2.68/3.12	2.94/2.26	1.31/1.03	1.19/0.23	-2.12/-3.1	-4.4/-10.74	-17.38/-14.32	-18.27/-9.44	-6.59/-4.91	-4.67/-5.31	-3.58/-0.83	0.93/1.64	1.33/1.53	1.67/1.84	1.05/-0.99	-2.17/-2.37	-2.9/-2.67	-4.09/-8.66	-13.7/-18.4	-18.14/-16.24	-11.24/-6.95	-3.75/-3.41
Θ (60°)	-3.88/-4.68	-4.7/-2.41	-1.44/-1.69	-1.15/-0.56	-0.59/-0.46	-0.51/-1.1	-3.77/-6.71	-7.38/-9.5	-16.34/-18.75	-14.5/-8.43	-8.44/-6.8	-4.42/-6.53	-6.74/-2.52	-0.68/-0.94	-2.18/-1.06	-0.82/-1.25	-0.51/-0.57	-1.16/-2.12	-4.06/-5.43	-6.95/-7.8	-10.12/-18.25	-17.85/-17.22	-9.97/-5.4	-3.66/-3.72
Θ (67.5°)	-1.3/-1.95	-1.59/-1.46	-2.34/-3.8	-3.47/-2.14	-1.26/-0.83	-1.57/-3.03	-5.63/-7.73	-11.67/-15.38	-19.19/-18.41	-18.47/-13.43	-15.31/-10.67	-6.44/-7.2	-4.94/-1.78	-1.38/-2.2	-2.53/-0.59	-0.53/-2.35	-2.23/-1.59	-0.65/-2.26	-5.03/-6.36	-6.78/-8.81	-11.86/-17.16	-18.38/-17.39	-8.04/-4.84	-3.03/-1.53
Θ (75°)	-2.74/-2.04	-1.71/-2.17	-2.84/-3.23	-4.22/-3.17	-1.32/-0.69	-1.09/-4.79	-8.49/-9.92	-13.79/-15.46	-13/-16.91	-14.51/-17.58	-18.07/-13.06	-7.25/-5.72	-4.59/-1.93	-1.95/-2.25	-2.91/-1.32	0.03/-0.56	-2.2/-1.98	-1.46/-2.38	-5.86/-6.93	-6.08/-7.08	-11.42/-18.64	-17.29/-16.57	-9.61/-6.98	-4.96/-3.18
Θ (82.5°)	-3.67/-2.86	-3/-3.71	-4.34/-4.48	-6.63/-3.89	-1.22/-1.63	-2.73/-7.24	-10.16/-10.91	-14.55/-13.41	-10.01/-14.65	-17.61/-19.25	-17.86/-17.94	-11.54/-6.16	-4.97/-4.11	-4.35/-2.35	-2.59/-2.61	-1.37/-1.48	-1.78/-3.21	-6.71/-9.62	-8.53/-7.3	-8.9/-17.61	-18.62/-18.54	-13.76/-10.08	-7.72/-4.48	
Θ (90°)	-5.83/-4.46	-5.23/-6.43	-6.93/-6.25	-7.18/-5.58	-3.54/-4.84	-4.85/-10.57	-12.52/-11.54	-12.29/-14.23	-9.25/-13.36	-18.39/-17.99	-19.2/-16.7	-17.13/-8.37	-6.35/-5.27	-7.3/-5.23	-2.89/-5.55	-4.68/-2.51	-2.11/-2.11	-3/-5.48	-10.6/-12.22	-10.52/-10.37	-13.7/-18.26	-18.08/-17.56	-16.37/-11.98	-9.87/-6.42
Θ (97.5°)	-10.71/-7.27	-6.19/-7.53	-8.98/-7.81	-7.99/-8.32	-5.07/-9.3	-9.09/-11.94	-10.93/-10.94	-12.46/-13.96	-9.86/-13.98	-17.65/-18.72	-17.59/-15.84	-18.36/-12.09	-8.94/-6.45	-9.55/-5.6	-2.62/-4.63	-7.13/-7.39	-5.72/-4.16	-4.19/-9.37	-17.04/-19.47	-11.75/-11.64	-14.01/-19.25	-17.94/-18.29	-18.8/-17.89	-17.67/-12.09
Θ (105°)	-14.81/-8.1	-7.05/-8.7	-10.4/-10.92	-9.36/-10.28	-11.28/-16.24	-12/-11.21	-11.17/-14.07	-18.91/-13.23	-9.41/-13.23	-17.9/-19.04	-17.13/-15.51	-17.94/-17.83	-10.77/-7.46	-10.53/-12.29	-5.28/-5.06	-6.65/-7.8	-8.59/-6.14	-5.96/-9.71	-18.14/-17.5	-17.94/-14.89	-18.49/-15.06	-18.86/-18.74	-17.81/-17.23	-18.57/-18.76
Θ (112.5°)	-16/-13.4	-15.36/-11.24	-14.84/-16.96	-11.74/-15.67	-14.17/-14.18	-13.74/-11.09	-14.16/-13.31	-15.75/-12.52	-12.15/-14.83	-16.16/-16.31	-19.49/-18.66	-18.51/-18.13	-11.88/-8.11	-10.72/-19.1	-9.38/-5.47	-7.17/-10.38	-10.59/-8.04	-7.01/-9.64	-14.41/-18.07	-17.68/-15.62	-10.44/-17.61	-19.51/-18.69	-18.19/-19.24	-16.08/-17.61
Θ (120°)	-17.49/-17.76	-18.51/-13.41	-18.58/-17.22	-15.35/-13.98	-17.1/-16.64	-13.25/-11.37	-14.24/-13.29	-15.86/-13.07	-12.9/-12.58	-13.69/-17.94	-17.38/-18.81	-15.61/-18.57	-18.21/-11.91	-8.99/-12.82	-18.99/-9.79	-8.87/-8.04	-9.01/-8.11	-9.02/-11.48	-13.87/-16.34	-13.13/-14.69	-15.3/-17.79	-18.74/-17.96	-16.56/-15.39	-12.85/-14.21
Θ (127.5°)	-14.46/-12.96	-13.47/-18.1	-16.01/-12.85	-16.46/-14.58	-14.13/-16.03	-17.68/-18.34	-18.06/-7.89	-18.84/-12.06	-10.83/-11.16	-14.1/-17.89	-18.42/-18.22	-15.57/-18.09	-18.59/-13.12	-9.39/-11.92	-18.79/-13.74	-9.81/-16.73	-17.78/-8.86	-10/-15.65	-18.17/-17.35	-18.37/-14.25	-13.95/-18.05	-18.01/-17.79	-15.31/-18.45	-19.02/-16.1
Θ (135°)	-16.4/-18.24	-18.62/-17.83	-18.34/-18.08	-17.97/-18.69	-19.07/-18.5	-18.5/-17.74	-17.71/-17.38	-12.19/-11.18	-12.82/-13.12	-15.29/-17.8	-16.01/-18.78	-16.48/-17.58	-17.11/-18.45	-10.8/-6.23	-4.99/-9.12	-19.17/-13.3	-16.15/-10.42	-9.47/-11.44	-19.06/-16.8	-16.9/-17.41	-13.82/-12.71	-18.74/-17.95	-16.05/-17.19	-17.85/-12.58
Θ (142.5°)	-17.5/-18.33	-19.12/-17.22	-14.55/-15.34	-14.82/-15.08	-14.55/-17.19	-18.23/-17.94	-16.39/-13.01	-12.95/-15.87	-13.68/-10.7	-14.53/-16.94	-17.81/-18.75	-13.85/-11.41	-14.31/-17.49	-18.92/-12.03	-9.18/-8.39	-10.93/-16.26	-13.93/-13.09	-14.26/-12.58	-16.38/-17.79	-17.99/-18.97	-18.21/-17.94	-19.45/-17.05	-15.15/-17.67	-17.93/-18.32
Θ (150°)	-15.84/-18.5	-17.88/-19.22	-14.65/-18.13	-17.54/-17.17	-15.34/-12.79	-12.13/-13.6	-17.32/-18.36	-16.57/-12.05	-9.04/-8.21	-10.06/-14.07	-18.97/-19.56	-13.69/-12.08	-14.78/-17.83	-18.53/-13.74	-12.12/-12.51	-13.24/-13.49	-18.06/-18.44	-18.86/-18.06	-18.86/-18.06	-18.5/-15.65	-14.74/-15.04	-15.28/-16.48	-17.77/-18.86	-18.59/-18.93
Θ (157.5°)	-18.39/-19.04	-16.61/-16.99	-16.16/-12.66	-10.78/-11.98	-15.55/-18.08	-16.45/-13.07	-11.26/-10.61	-10.53/-10.6	-11/-12.85	-17.13/-18.79	-16.36/-13.46	-14.84/-15.39	-16.35/-18.66	-18.36/-19.13	-19.38/-16.2	-13.5/-13.68	-10.99/-9.09	-9.59/-11.09	-11.58/-11.86	-12.43/-15.63	-18.43/-17.22	-18.28/-17.33	-19.24/-18.51	-18.93/-18.36
Θ (165°)	-15.38/-13.93	-12.6/-11.99	-11.66/-11.37	-11.87/-13.49	-14.73/-15.5	-16.56/-18.04	-17.29/-14.99	-12.86/-12.02	-12.34/-13.04	-14.64/-16.56	-19.26/-18.95	-18.41/-19.02	-18.04/-18.67	-17.72/-19.17	-17.84/-15.12	-13.64/-12.33	-11.81/-11.89	-12.62/-12.79	-13.19/-14.2	-15.04/-19.41	-18.31/-18.36	-17.88/-19.05	-17.98/-17.89	-18.37/-17.01
Θ (172.5°)	-16.02/-16.41	-16.13/-17.42	-18.78/-17.98	-19.27/-17.27	-16.44/-16.59	-16.77/-15.27	-14.19/-13.36	-13.41/-13.5	-15.14/-18.12	-17.74/-17.32	-15.81/-12.97	-11.68/-11.12	-10.77/-9.8	-8.62/-8.22	-9.21/-10.54	-11.64/-13.41	-15.32/-14.39	-13.08/-12.63	-12.78/-13.03	-14.4/-17.06	-18.9/-17.18	-15.65/-15.21	-15.35/-15	-14.55/-14.86
Θ (180°)	-13.86/-13.91	-14.23/-15.42	-16.79/-17.38	-19.41/-17.97	-18.13/-18.42	-18.49/-18.72	-18.97/-17.92	-17.67/-17.68	-19.29/-18.28	-18.45/-16.15	-13.73/-12.34	-11.81/-11.56	-12.16/-12.87	-12.38/-11.57	-11.07/-10.76	-10.56/-10.65	-11.08/-10.74	-10.39/-10.43	-12.93/-14.94	-15.21/-13.71	-12.56/-12.48	-12.15/-11.35	-11.47/-13.08	
Freq(Hz)	5.785/GPol.	Theta/Ant. 4	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	0.97/-0.06	-1.38/-3.34	-6.06/-10.08	-16.62/-17.11	-10.68/-6.46	-3.55/-1.59	-0.17/0.82	1.75/2.5	3.04/3.34	3.47/3.41	3.26/2.02	2.62/2.03	1.25/0.09	-1.42/-3.07	-5.29/-8.33	-13.71/-16.01	-10.67/-6.68	-3.74/-1.62	0.02/1.22	2.18/2.78	3.26/3.57	3.66/3.49	3.35/3.08	2.49/1.83
Θ (7.5°)	1.59/0.51	-0.78/-2.47	-5.21/-8.71	-13.87/-18.92	-12.47/-7.52	-4.21/-1.83	-0.33/0.86	1.68/2.28	2.79/3.15	3.33/3.43	3.51/3.33	2.62/1.69	0.84/-0.27	-1.74/-3.94	-7.73/-13.92	-19.07/-15.71	-8.87/-5.3	-2.83/-0.94	0.43/-1.45	2.08/2.73	3.23/6.4	3.88/3.85	3.68/3.42	2.86/2.4
Θ (15°)	-1.41/-2.35	-3.07/-4.06	-5.85/-8.64	-14.02/-17.46	-12.86/-7.82	-4.94/-3.1	-1.65/-0.33	0.99/0.02	2.73/3.02	3.02/3.1	3.11/2.88	2.32/1.39	0.3/-0.85	-2.31/-4.26	-7.11/-11.92	-18.31/-17.69	-10.29/-6.06	-2.95/-0.68	0.74/1.59	2.11/2.29	2.49/2.67	2.92/92	2.67/2.04	0.83/-0.37
Θ (22.5°)	-0.22/-0.76	-2.08/-3.9	-7.29/-12.89	-18.58/-17.3	-9.49/-5.42	-3.44/-2.79	-3.13/-3.12	-1.21/0.99	2.24/2.43	2.04/1.92	2.01/1.6	0.69/-0.7	-2.46/-4.57	-6.87/-9.83	-15.09/-18.16	-18.64/-13	-9.28/-5.9	-3.06/-1.03	0.49/1.65	2.48/2.75	2.72/51	2.25/2.05	1.84/1.3	0.45/-0.01
Θ (30°)	0.51/-0.34	-1.76/-3.66	-6.78/-11.49	-13.94/-14.31	-11.67/-6.97	-3.71/-1.89	-1.51/-2.49	-3.5/-1.87	-0.09/0.17	-0.08/0.46	1.19/1.09	0.32/-0.72	-2.45/-5.06	-7.24/-8.36	-9.94/-14.69	-18.08/-11.72	-7.21/-5.27	-3.47/-0.83	1.06/1.95	2.41/3.11	3.43/3.06	2.31/72	1.04/0.2	-0.19/0.44
Θ (37.5°)	1.37/-0.8	-3.02/-3.75	-5.5/-10.18	-13.97/-10.4	-8.66/-7.87	-5.82/-3.37	-2.29/-3.08	-3.58/-2.89	-1.91/-1.37	-1.89/-2.28	-1.33/-1.36	-2.19/-2.41	-3.49/-6.22	-8.28/-8.78	-9.74/-15.19	-15.66/-6.92	-3.39/-3.59	-2.43/0.08	1.44/1.99	2.29/2.64	2.87/2.61	1.81/1.08	-0.6/-1.07	0.84/2.05
Θ (45°)	0.68/-2.11	-4.62/-3.92	-5.09/-10.12	-13.21/-9.15	-10.09/-14.07	-11.03/-6.46	-3.83/-3.96	-5.56/-4.71	-5.6/-5.42	-5.52/-6.87	-3.96/-3.63	-5.51/-5.51	-6.08/-8.59	-12.33/-13.88</										



Freq(Hz)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	7.48	6.28	6.49	5.9	7.49	7.42
Ant. 2 Max Gain (dBi)	7.11	8.01	6	4.87	7.65	8.32
Ant. 1 Polarization/Θ(°)/Φ(°)	Theta/15/315	Theta/15/315	Theta/22.5/315	Phi/7.5/217.5	Theta/7.5/135	Theta/15/135
Ant. 2 Polarization/Θ(°)/Φ(°)	Theta/7.5/217.5	Theta/15/225	Phi/7.5/315	Theta/22.5/217.5	Theta/7.5/45	Theta/0/45
Max Gain (dBi)	7.48	8.01	6.49	5.9	7.65	8.32
DG [1SS] (dBi)	7.66	8.11	6.51	6.24	7.67	8.38
DG [2SS] (dBi)	7.48	8.01	6.49	5.9	7.65	8.32

Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-2TX(Radio 2)

Appendix C

Θ(22.5°)	4.32/4.25	4.01/3.68	3.12/2.7	1.79/2.27	3.09/3.68	3.98/4.25	4.39/4.3	4.08/3.65	2.92/0.6	1.92/2.83	3.52/3.85	3.99/3.99	3.83/3.55	3.22/2.74	1.92/1.07	1.63/2.63	3.62/4.44	4.92/5	4.68/4.07	3.51/3.06	2.41/1.48	1.43/2.68	3.44/3.82	4.08/4.28
Θ(30°)	3.53/3.3	2.86/2.21	1.44/0.71	0.29/0.73	1.68/2.56	3.13/3.37	3.43/2.8	3.03/4.25	1.67/1.09	0.67/1.24	2.26/3	3.51/3.76	3.66/3.26	2.72/1.1	1.09/0.5	-0.95/0.85	2.31/3.48	4.33/4.66	4.44/3.77	2.66/1.49	0.59/0.68	-0.41/1.18	2.39/3.09	3.38/3.57
Θ(37.5°)	2.26/2.13	1.91/1.54	0.68/0.13	-0.66/0.33	1.07/2.22	2.96/3.03	2.82/2.78	2.51/7.3	0.75/0.02	-0.46/0.21	0.96/1.97	2.49/2.63	2.52/2.71	2.02/1.45	0.19/-1.57	-1.47/0.19	1.69/2.62	3.02/3.27	2.52/2.71	1.70/7.77	-0.03/-1.32	-1.27/0.16	1.53/2.42	2.68/2.63
Θ(45°)	1.28/1.24	0.98/0.57	-0.41/-1.38	-1.57/-1.06	0.09/1.45	2.34/2.53	2.31/2.32	2.17/0.99	-0.26/0.56	-1.43/-1.23	0.23/1.22	1.15/1.46	1.79/1.84	0.99/0.25	-1.35/3.07	-3.49/-2.06	-0.26/1.46	2.42/2.59	2.45/1.91	0.62/-1.01	-1.84/-2.75	-3.02/-2.02	-0.32/0.88	1.47/1.55
Θ(52.5°)	0.25/0.15	-0.45/-0.81	-2.15/-3.55	-3.52/-2.64	-1.31/-0.01	0.7/0.93	0.85/0.87	0.97/-0.18	-1.79/-2.24	-3.21/-2.23	-0.62/-0.45	-0.95/-0.76	0.01/-0.12	-1.41/-2.99	-4.18/-5.1	-4.79/-3.92	-2.29/-0.65	0.30/7.4	0.72/0.03	-1.73/-3.44	-3.93/-4.59	-4.82/-4.7	-2.7/-1.54	-0.20/4.7
Θ(60°)	-0.48/-1.81	-1.77/-1.87	-3.06/-5.48	-5.88/-4.67	-6.38/-1.75	-1.11/-0.18	0.22/0.19	-0.18/-1.55	-3.03/-4.46	-4.94/-3.27	-1.89/-2.08	-2.13/-2.05	-3.52/-5.05	-7.48/-7.26	-7.23/-6.88	-6/-4.38	-3.91/-3.07	-5.88/-4.26	-6.3/-7.09	-6.4/-6.5	-7.48/-6.78	-5.6/-3.22	-1.61/-0.59	
Θ(67.5°)	-1.2/-2.42	-3.01/-2.55	-4.68/-1.7	-8.2/-6.18	-3.81/-2.36	-1.47/-0.5	-0.01/-0.24	-0.63/-2.25	-4.16/-7.41	-7.33/-4.55	-3.21/-2.35	-2.42/-2.9	-2.41/-2.53	-3.74/-6.41	-9.16/-9.26	-9.87/-10.07	-7.67/-4.03	-3.14/-2.8	-3.82/-5.04	-6.34/-8.29	-10.32/-8.28	-9.48/-9.02	-6.95/-4.03	-1.89/-1.1
Θ(75°)	-2.19/-3.48	-4.56/-3.89	-6/-8.39	-10.15/-7.66	-5.11/-2.89	-2.83/-1.06	0.2/-0.58	-1.95/-2.29	-4.99/-8.94	-9.26/-7.14	-5.13/-3.53	-3.52/-3.29	-2.63/-2.53	-3.88/-7.32	-12.38/-11.54	-11.95/-13.14	-9.64/-4.75	-2.19/-2.61	-3.13/-3.16	-4.85/-8.17	-11.89/-9.31	-11.4/-10.97	-9.86/-5.51	-2.75/-1.9
Θ(82.5°)	-3.87/-5.43	-5.65/-5.28	-7.82/-10	-11.64/-8.98	-6.17/-4.34	-4.1/-1.42	-0.08/-1.06	-4.01/-4.26	-7.32/-12.27	-9.7/-9.51	-6.72/-5.17	-5.7/-4.87	-3.73/-3.53	-5.76/-11.26	-15.42/-15.6	-13.25/-13.84	-9.5/-5.49	-2.85/-2.1	-3.38/-3.5	-5.68/-8.54	-13.02/-11.14	-12.9/-13.49	-12.35/-6.95	-3.94/-3.13
Θ(90°)	-6.44/-7.63	-7.34/-7.06	-9.48/-12.04	-12.64/-11.17	-8.42/-7.04	-5.8/-2.85	-1.64/-2	-5.13/-6.86	-8.6/-14.1	-12.27/-11.58	-8.23/-7.78	-7.73/-6.9	-6.54/-6.04	-8.25/-12.84	-14.94/-15.29	-14.28/-15.3	-10.81/-6.45	-4.87/-3.68	-4.13/-4.89	-7.13/-11.37	-13.36/-12.53	-15.14/-14.89	-13.47/-9.28	-6.39/-5.07
Θ(97.5°)	-9.61/-10.27	-9.38/-8.74	-11.59/-14.26	-13.31/-12.49	-9.78/-9.1	-7.41/-4.36	-3.51/-1.8	-6.56/-7.97	-10.42/-14.28	-12.62/-13.28	-10.87/-10.89	-9.71/-8.24	-9.13/-9.08	-11.47/-15.28	-15.48/-14.51	-12.76/-15.95	-13.9/-9.28	-8.16/-8.33	-7.18/-8.57	-10.9/-15.55	-14.74/-14.31	-14.83/-15.26	-14.24/-11.52	-8.76/-7.99
Θ(105°)	-12.39/-12.71	-12.07/9.88	-12.85/-15.16	-14.61/-14.28	-12.71/-11.03	-10.01/-7.05	-6.19/-6.94	-9.29/-9.68	-12.24/-13.5	-12.61/-15.02	-12.89/-13.31	-10.44/-9.77	-10.64/-12.39	-15.31/-15.56	-15.69/-15.26	-14.3/-15.03	-12.36/-13.11	-15.62/-12.81	-13.16/-13.76	-15.48/-14.16	-15.2/-14.93	-15.31/-13.63	-11.49/-10.97	
Θ(112.5°)	-14.77/-14.55	-13.99/-11.27	-13.93/-15.61	-15.71/-13.84	-12.46/-11.78	-11.4/-10	-9.3/-10.01	-10.77/-10.92	-13.17/-13.94	-13.19/-15.91	-12.94/-13.54	-11.24/-12.38	-13.2/-13.82	-14.75/-15.36	-16.16/-16.11	-15.37/-14.81	-15.23/-13.72	-12.39/-15.1	-15.11/-14.25	-14.94/-14.89	-16.01/-15.13	-15.49/-15.13	-15.37/-13.94	-12.09/-12.9
Θ(120°)	-15.6/-14.9	-14.29/-11.69	-12.54/-12.9	-15.46/-14.06	-12.31/-14.13	-13.7/-10.94	-10.61/-11.62	-12.81/-15.04	-14.35/-15.52	-15.72/-14.68	-13.72/-13.37	-13.4/-13.06	-15.34/-15.21	-12.9/-13.56	-15.16/-14.99	-15.18/-13.82	-12.25/-14.64	-15.78/-15.23	-14.84/-15.38	-15.27/-15.66	-15.62/-15.54	-15.12/-12.45	-12.27/-14.43	
Θ(127.5°)	-14.15/-15.65	-15.69/-14.61	-12.79/-15.37	-15.36/-15.07	-15.28/-14.54	-12.88/-13.34	-15.03/-14.57	-13.31/-14.35	-13.3/-15.15	-15.29/-13.91	-13.78/-14.62	-14.28/-15.5	-15.42/-14.63	-11.69/-14.82	-15.25/-14.97	-15.85/-14.72	-15.65/-15.52	-15.35/-15.52	-15.22/-15.4	-14.9/-15.28	-15.97/-15.26	-16.03/-15.57	-15.03/-15.45	-13.49/-15.2
Θ(135°)	-15.65/-14.18	-13.04/-14.4	-15.72/-15.59	-15.08/-15.57	-14.33/-15.14	-15.32/-15.11	-14.27/-14.29	-14.75/-15.02	-14.97/-15.28	-15.09/-14.77	-14.95/-15.83	-14.64/-15.77	-14.87/-15.35	-14.93/-15.42	-15.26/-14.76	-15.53/-14.12	-15.26/-14.63	-15.04/-14.81	-15.32/-15.19	-15.84/-15.1	-15.48/-15.54	-15.23/-15.15	-15.18/-15.46	-14.85/-15.62
Θ(142.5°)	-15.14/-17.4	-15.16/-14.85	-16.23/-15.36	-15.53/-15.01	-15.63/-15.24	-14.48/-15.6	-15.16/-13.98	-14.16/-14.16	-14.5/-14.82	-15.12/-15.74	-15.42/-15.35	-15.43/-15.35	-14.83/-15.19	-15.25/-14.92	-15.14/-14.79	-15.14/-14.64	-16.03/-15.68	-15.91/-15.72	-14.79/-14.99	-15.32/-15.1	-13.07/-15.04	-15.82/-14.75	-15.18/-15.49	
Θ(150°)	-13.83/-15.92	-15.38/-14.8	-16.22/-15.74	-15.1/-15.61	-15.87/-15.46	-14.63/-14.96	-13.79/-13.73	-15.26/-15.92	-16.2/-15.38	-15.59/-15.56	-14.61/-14.39	-14.86/-14.33	-15.5/-15.39	-14.45/-15.16	-16.08/-14.69	-15.14/-15.54	-14.61/-14.66	-15.13/-15.52	-15.84/-15.65	-14.82/-14.68	-15.73/-14.47	-14.08/-15.4	-15.98/-14.75	-13.71/-13.41
Θ(157.5°)	-14.32/-15.29	-15.64/-15.26	-14.68/-14.53	-14.49/-15.84	-15.2/-15.76	-15.53/-16.01	-15.31/-13.95	-14.83/-15.54	-15.16/-15.85	-15.79/-14.75	-15.29/-16.12	-15.13/-15.06	-14.55/-15.23	-15.42/-14.96	-15.68/-14.58	-15.57/-15.19	-15.95/-15.42	-15.63/-15.12	-15.13/-15.34	-15.66/-15.78	-15.17/-15.31	-15.59/-15.33	-15.24/-15.18	-14.96/-15.09
Θ(165°)	-15.61/-15.24	-15.12/-15.66	-15.62/-15	-15.47/-15.07	-15.73/-15.49	-15.37/-14.84	-15.35/-14.86	-13.45/-13.43	-13.83/-15.49	-15.03/-15.8	-15.58/-15.28	-14.41/-15.19	-15.28/-15.39	-15.18/-15.29	-15.13/-14.78	-15.06/-14.94	-15.37/-14.58	-14.67/-15.15	-15.68/-14.76	-15.61/-15.8	-15.71/-15.63	-15.96/-14.83	-14.99/-15.32	-16.02/-15.03
Θ(172.5°)	-15.72/-14.91	-15.81/-15.89	-15.29/-15.1	-15.65/-15.06	-15.84/-16.24	-16.08/-15.62	-16.06/-14.9	-13.04/-13.6	-13.87/-15.53	-14.97/-15.02	-15.37/-15.7	-14.99/-14.83	-15.54/-15.96	-15.2/-15.8	-15.49/-15.69	-15.69/-15.15	-15.66/-16.23	-14.9/-15.81	-15.64/-15.64	-16.1/-15.79	-15.31/-15.61	-14.54/-15.91	-15.23/-15.22	-15.01/-15.81
Θ(180°)	-13.14/-13.54	-14.45/-14.64	-15.33/-15.51	-15.45/-16	-15.61/-15	-15.73/-15.98	-15.11/-14.67	-14.16/-14.34	-14.17/-15.59	-15.78/-15.87	-15.34/-14.95	-14.94/-15.01	-14.93/-15.54	-15.96/-15.45	-15.5/-15.2	-16.08/-15.6	-14.88/-16.72	-15.63/-15.8	-15.76/-15.54	-14.83/-14.33	-14.31/-14.01	-14.15/-14.87	-15.06/-14.64	-13.09/-13.27
Freq(Hz)	6.175GPol.	ThetaL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	5.57/5.52	5.34/4.96	4.43/3.72	3.19/3.55	4.18/4.64	5/5.28	5.42/5.35	5.13/4.71	4.05/3.3	2.78/3.35	4.14/7.3	5.16/5.44	5.55/5.58	5.45/5.16	4.69/4.06	3.51/3.77	4.31/4.85	5.29/5.57	5.56/5.28	4.84/4.42	3.96/3.35	3.25/3.89	4.54/4.91	5.23/5.45
Θ(7.5°)	5.18/5.5	5.12/4.82	3.81/3.61	3.43/4.09	4.74/5.28	5.66/5.85	5.95/7.9	5.56/5.16	4.51/3.73	3.37/4.05	4.77/5.38	5.86/5.04	6.15/6.08	5.83/5.39	4.74/3.84	2.86/2.96	3.78/4.47	5.04/5.43	5.42/5.11	4.63/4.03	3.38/2.6	2.25/2.92	3.68/4.28	4.67/4.96
Θ(15°)	4.87/4.76	4.54/4.26	3.43/3.21	3.34/1.7	4.89/5.37	5.63/5.86	6.05/6.04	5.85/5.35	4.64/3.85	3.77/4.59	5.35/7.8	6.01/6.18	6.156 1.19	5.83/5.28	4.65/3.94	3.004/62	4.54/5.85	5.77/4.85	5.77/4.05	4.86/3.93	2.74/2.79	3.71/4.34	4.78/4.93	
Θ(22.5°)	4.35/4.06	3.76/3.48	2.97/2.58	3.06/4	4.7/5.14	5.37/5.5	5.51/5.41	5.15/4.73	4.08/3.41	3.36/4.17	4.99/5.41	5.56/5.73	5.76/5.49	5.18/4.82	4.29/3.48	2.71/3.06	3.62/3.93	4.19/4.36	4.54/4.8	5.06/5.21	5.17/4.88	4.13/3.65	3.98/4.35	4.55/4.57
Θ(30°)	3.63/3.39	2.92/4.4	2.12/2.04	2.47/3.47	4.23/4.59	4.56/4.33	4.18/4.09	3.96/3.64	3.15/2.56	2.46/2.77	3.22/3.5	3.84/4.9	4.73/4.76	4.66/4.22	3.52/2.77	2.79/2.99	2.89/2.8	2.87/3.13	2.39/3.56	4.21/4.99	5.42/5.23	4.46/3.51	3.58/3.91	3.85/3.76
Θ(37.5°)	2.76/2.72	2.22/0.2	2.22/3.2	2.23/3.09	3.86/3.98	3.55/2.88	2.44/2.51	2.83/2.91	2.44/1.81	2.37/2.48	1.87/1.84	2.47/2.92	2.57/2.18	1.97/2.15	2.45/2.46	1.89/1.3	0.7/0.56	1.05/1.66	1.69/1.53	1.88/2.87	4.08/4.7	4.49/3.33	2.32/1.6	1.74/2.3
Θ(45°)	0.45/0.76	0.62/0.58	1.01/1.41	1.55/1.7	2.08/1.82	1.24/0.8	0.13/-0.38	-0.24/0.6	0.98/0.99	1.33/1.52	0.80/76	1.07/0.83	-0.43/-2.31	-2.2/-0.55	0.60/82	0.11/-1.02	-1.61/-0.78	0.07/0.5	0.56/0.47	0.20/5.1	1.55/2.49	2.82/2.12	1.25/0	-1.21/-0.46
Θ(52.5°)	-3.25/-2.83	-2.53/-1.67	-1/-0.47	-0.02/-0.17	-0.46/-1.38	-2.8/-3.61	-4.14/-4.57	-3.22/-1.65	-0.86/-0.59	-0.22/-0.43	-0.83/-0.84	-1.03/-1.95	-3.27/-2.87	-0.60/0.6	-0.08/-0.01	-0.67/-1.7	-2.77/-2.08	-0.92/-0.81	-0.68/-0.34	-0.81/-1.13	0.03/1.29	1.53/1.38	1.06/0.48	-1.35/-3.17
Θ(60°)	-6.74/-6.73	-6.14/-4.3	-3.22/-3.05	-2.36/-2.09	-1.97/-3	-5.71/-9.63	-10.85/-8.45	-4.69/-3.03	-2.52/-2.79	-3.03/-2.93	-3.1/-3.06	-3.79/-5.1	-4.98/-2.84	-0.3/-0.64	-0.9/-1.07	-2.25/-2.99	-3.39/-3.17	-2.71/-2.77	-2.75/-1.81	-1.61/-2.47	-2.31/-0.56	-0.20/3.7	0.78/0.08	-1.25/-4.76
Θ(67.5°)	-8.62/-9.07	-7.43/-5.68	-3.72/-4.45	-3.49/-2.94	-3.03/-3.62	-6.27/-13.73	-15.25/-8.92	-6.09/-5.46	-4.62/-4.78	-4.68/-4.88	-5.21/-6.04	-7.09/-7.57	-6.87/-2.42	-0.61/-1.73	-3.08/-3.87	-6.14/-5.17	-2.93/-2.08	-2.49/-3.58	-2.76/-2.15	-1.23/-2.16	-3.94/-2.92	-1.78/-1.75	-0.77/-1.5	-2.89/-5.83
Θ(																								



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-2TX(Radio 2)

Appendix C

Θ(67.5°)	-3.67/-3.08	-3.31/-5.09	-5.07/-6.74	-8.57/-6.47	-4.05/-3.19	-0.53/0.05	-0.15/+0.6	-1.22/-3.44	-7.09/-7.77	-8.76/-6.01	-4.22/-4.21	-2.99/-2.23	-1.94/-2.74	-4.67/-8.34	-10.16/-10.54	-9.39/-8.89	-9.96/-8.04	-5.34/-4.93	-6.19/-5.33	-9.2/-11.21	-9.34/-8.24	-8.58/-7.94	-6.26/-4.57	-1.92/-2.1
Θ(75°)	-5.12/-4.8	-4.8/-6.31	-5.94/-7.08	-9.07/-8.53	-5.79/-3.84	-1.59/-1.63	-1.77/-1.68	-0.96/-3.39	-8.56/-8.2	-10.85/-5.53	-5.89/-5.6	-3.9/-3.81	-4.38/-3.84	-5.7/-8.59	-10.05/-10.7	-10.25/-8.89	-10.23/-8.17	-4.99/-4.05	-6.01/-5.37	-8.17/-10.39	-9.03/-7.97	-9.08/-9.44	-7.22/-5.61	-3.13/-4.03
Θ(82.5°)	-6.94/-7.43	-6.94/-7.65	-7.95/-8.09	-10.05/-9.2	-6.62/-4.86	-4.02/-3	-3.01/-3.24	-3.05/-5.6	-10.02/-8.99	-10.21/-5.92	-9.14/-7.53	-6.49/-7.51	-7.38/-5.87	-7.29/-9.19	-12.14/-11.88	-11.2/-8	-9.1/-5.22	-3.32/-2.74	-4.7/-5.07	-5.55/-11.12	-9.25/-10.02	-11.15/-10.92	-9.46/-6.94	-5.21/-6.47
Θ(90°)	-9.99/-9.48	-9.31/-9.76	-8.95/-10.14	-11.54/-11.24	-8.57/-6.99	-5.86/-4.19	-3.34/-3.75	-5.06/-8.56	-11.05/-10.16	-10.24/-7.95	-11.24/-9.29	-10.29/-10.36	-8.58/-7.2	-9.42/-10.02	-11.92/-14.46	-11.24/-9.63	-9.56/-8.77	-4.94/-4.29	-6.1/-6.9	-6.4/-9.73	-10.71/-13.8	-12.43/-13.79	-11.1/-7.35	-8.32/-9.46
Θ(97.5°)	-12.28/-10.52	-10.89/-11.71	-10.5/-11.8	-13.28/-11.92	-9.75/-8.02	-7.46/-5.74	-5.22/-5.63	-7.01/-11.4	-10.87/-12.67	-10.42/-10.71	-11.45/-10.63	-12.86/-12.45	-10.11/-10.58	-12.12/-14.16	-14.84/-15.14	-13.56/-12.77	-13.12/-12.97	-9.78/-8.87	-9.85/-11.19	-11.7/-11.57	-12.93/-15.16	-13.47/-15.81	-13.96/-9.33	-10.45/-13.29
Θ(105°)	-13.35/-12.21	-14.23/-13.76	-12.02/-12.12	-15.47/-13.59	-11.29/-8.55	-10.19/-9.22	-8.02/-8.43	-10.47/-11.79	-11.66/-14.2	-11.18/-13.02	-11.6/-12.53	-13.57/-11.83	-10.84/-13.79	-14.62/-15.08	-15.98/-15.32	-15.24/-13.6	-15.2/-13.66	-14.81/-14.4	-15.54/-15.51	-15.67/-14.44	-14.82/-15.66	-14.66/-15.6	-14.52/-12.06	-12.16/-14.22
Θ(112.5°)	-13.85/-14.78	-15.41/-14.41	-12.42/-13.22	-15.56/-14.37	-13.38/-10.79	-9.7/-8.63	-8.85/-9.45	-11.74/-12.09	-12.59/-15.33	-14.86/-13.53	-11.91/-12.69	-14.63/-13.09	-12.48/-15.44	-14.85/-16.1	-15.4/-14.91	-15.27/-11.28	-13.51/-13.46	-11.49/-11.87	-13.8/-12.51	-15.83/-15.97	-15.4/-14.73	-15.33/-15.37	-15.3/-15.19	-14.9/-15.58
Θ(120°)	-15.43/-14.72	-15.38/-15.03	-14.95/-14.73	-15.63/-15.84	-15.23/-14.79	-14.27/-13.95	-13.36/-13.78	-13.54/-10.89	-13.06/-15.19	-14.65/-13.72	-13.46/-14.14	-15.89/-13.67	-14.94/-15.25	-15.3/-15.05	-15.52/-15.05	-15.21/-13.83	-13.97/-14.86	-14.12/-14.56	-15.43/-14.15	-14.47/-15.46	-15.56/-15.86	-15.87/-15.45	-15.11/-14.94	-15.56/-15.64
Θ(127.5°)	-14.97/-15	-15.37/-15.43	-16.56/-15.17	-15.17/-15.5	-13.94/-15.27	-15.5/-15.57	-15.56/-13.93	-12.34/-14.14	-14.16/-15.23	-14.38/-13.69	-13.71/-14.82	-13.29/-13.59	-15.45/-15.01	-14.46/-15.31	-14.76/-15.68	-14.63/-15.46	-12.72/-14.93	-15.01/-12.96	-13.07/-14.91	-14.81/-15.51	-15.36/-15.19	-14.97/-16.21	-15.38/-15.75	
Θ(135°)	-14.37/-14.49	-12.29/-14.11	-13.31/-14.24	-15.38/-15.14	-15.94/-15.82	-15.55/-13.21	-15.01/-14.96	-15.93/-14.69	-14.4/-14.8	-14.26/-15.87	-14.92/-14.55	-14.07/-15.67	-15.45/-15.54	-15.52/-15.54	-15.85/-14.05	-15.56/-12.89	-15.41/-13.67	-13.71/-13.62	-11.71/-15.62	-14.62/-15.38	-15.03/-16.31	-15.54/-15.62	-15.19/-15.11	-14.57/-15.72
Θ(142.5°)	-15.66/-15.44	-13.07/-14.41	-15.28/-15.26	-15.95/-14.73	-13.46/-15.13	-15.56/-14.13	-15.76/-15.53	-15.58/-12.19	-14.67/-15.62	-15.24/-15.01	-15.54/-15.08	-14.7/-15.38	-15.31/-13.38	-15.14/-15.19	-15.26/-15.93	-14.95/-14.38	-15.04/-15.47	-15.13/-15.46	-14.49/-15.31	-15.58/-16.24	-15.88/-14.78	-15.43/-17.9	-15.49/-14.32	-14.93/-15.75
Θ(150°)	-16.16/-15.24	-14.79/-14.49	-15.08/-15.48	-16.02/-15.1	-15.56/-15.77	-15.05/-14.13	-12.86/-14.32	-14.69/-15.22	-15.22/-15.22	-14.88/-15.44	-15.94/-16.34	-15.76/-14.92	-14.53/-13.39	-15.75/-13.15	-14.23/-15.52	-15.05/-15.06	-14.74/-14.41	-15.76/-16.11	-15.38/-15.25	-15.1/-15.06	-15.69/-15.61	-15.93/-14.93	-14.29/-16.33	-14.54/-15.11
Θ(157.5°)	-15.4/-15.89	-15.28/-15.26	-14.76/-15.19	-15.4/-15.5	-14.21/-15.29	-14.62/-15.53	-14.15/-15.24	-15.53/-15.76	-14.88/-15.55	-15.05/-15.23	-15.67/-15.35	-16.28/-14.84	-15.8/-15.62	-15.93/-13.52	-15.7/-14.95	-16.51/-15.46	-15.05/-15.37	-14.53/-15.56	-15.83/-15.12	-15.4/-15.49	-15.45/-15.18	-16.2/-14.73	-15.77/-15.5	-14.63/-13.76
Θ(165°)	-14.17/-14	-14.27/-15.11	-15.88/-16.07	-15.31/-14.9	-14.12/-13.9	-14.16/-12.46	-12.7/-14.88	-14.43/-14.31	-14.76/-15.32	-14.57/-14.76	-15.93/-15.47	-15.43/-15.64	-15.81/-15.54	-15.25/-15.85	-15.18/-14.73	-15.77/-14.89	-14.9/-15.51	-15.51/-15.68	-15.39/-15.11	-15.81/-14.76	-15.73/-15.6	-15.08/-15.44	-15.57/-16.11	-15.23/-15.72
Θ(172.5°)	-15.86/-14.95	-15.66/-15.15	-15.28/-15.16	-15.43/-15.72	-14.96/-15.1	-15.33/-15.11	-15.3/-15.63	-14.63/-14.01	-13.06/-12.85	-13.43/-13.3	-13.41/-13.44	-13.79/-14.73	-15.28/-14.99	-15.46/-15.48	-15.22/-15.26	-15.26/-15.38	-15.45/-15.15	-15.08/-15.47	-15/-14.74	-15.7/-15.6	-15.94/-15.39	-13.63/-14.74	-15.05/-15.47	-15.21/-15.02
Θ(180°)	-14.54/-14.78	-13.77/-14.18	-14.17/-14.35	-14.21/-14.5	-14.52/-14.66	-14.96/-13.72	-13.05/-12.38	-12.52/-12.38	-12.84/-12.89	-14.12/-13.35	-13.39/-12.84	-12.87/-12.99	-14.22/-15.15	-15.09/-15.02	-14.16/-13.29	-14.07/-14.27	-14.2/-14.02	-14.59/-15.54	-15.45/-15.34	-15.9/-15.25	-15.91/-15.63	-15.28/-15.39	-15.42/-14.79	-14.73/-15
Freq(Hz)	6.995GPol.	Theta-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	6.65/6.47	6.18/5.77	5.26/4.65	4.54/5.16	5.83/6.36	6.76/6.95	7.01/6.98	6.82/6.44	5.84/5.02	4.33/4.82	5.63/6.27	6.71/6.96	6.94/6.76	6.41/5.88	5.24/4.52	4.75/4.49	6.13/6.61	6.97/7.18	7.23/7.16	6.84/6.38	5.74/4.97	4.65/5.21	5.86/6.29	6.54/6.64
Θ(7.5°)	7.7/3	6.9/6.62	6.12/5.36	5.05/5.7	6.31/6.76	7.01/7.25	7.39/7.42	7.32/6.99	6.44/5.73	5.26/5.66	6.24/6.72	6.96/6.96	6.81/6.5	6.07/5.49	4.73/4.26	4.59/3.37	6.02/6.55	6.88/7.02	7.05/6.83	6.39/5.87	5.25/4.61	4.53/5.13	5.74/6.2	6.58/6.85
Θ(15°)	6.31/6.4	6.27/5.99	5.54/4.8	4.44/4.85	5.6/1	6.43/6.65	6.75/6.78	6.68/6.38	5.8/5.13	4.92/5.35	5.92/6.36	6.53/6.4	6.06/5.66	5.16/4.48	3.66/2.89	2.87/3.66	4.53/5.35	6.04/6.4	6.41/6.2	5.62/4.97	4.33/3.8	3.79/4.39	5.08/5.48	5.77/6.11
Θ(22.5°)	4.75/4.67	4.62/4.26	3.83/3.41	3.11/3.53	4.18/4.83	5.45/5.71	5.95/5.91	5.75/3	4.69/4.25	4.21/4.51	4.99/5.64	5.89/5.75	5.42/4.92	4.11/3.4	3.3/3.16	3.47/3.76	4.06/4.33	4.53/4.66	4.65/4.56	4.49/4.54	4.83/4.62	4.53/4.49	4.52/4.64	4.96/5.01
Θ(30°)	2.98/2.44	2.22/2.24	2.32/1.2	1.86/1.85	2.11/2.42	2.76/2.99	3.27/3.7	4.06/1.6	3.92/3.61	3.53/6.65	3.91/4.19	3.94/3.58	3.26/3.78	2.34/2.22	2.75/3.06	3.31/3.55	3.71/3.73	3.42/3.08	3.16/3.44	3.84/3.1	5.36/5.29	4.91/4.35	3.98/3.56	
Θ(37.5°)	0.80/4	0.81/1.3	1.41/1.3	0.52/0.16	-0.37/-0.43	-0.85/-1.22	-0.83/0.41	1.89/2.73	2.9/2.9	2.94/2.95	2.24/2.95	-0.34/0.05	1.1/1.9	2.57/2.93	2.75/2.79	2.87/2.65	2.59/2.32	1.58/0.58	0.39/1.4	2.7/4	4.67/4.86	4.92/4.89	4.69/3.99	2.78/1.79
Θ(45°)	1.06/0.48	0.23/0.82	1.41/1.29	0.36/0.95	-1.75/-1.5	-1.3/-1.84	-2.38/-1.69	-0.18/0.92	1.54/1.53	1.6/1.51	0.2/-2.03	-2.81/-1.26	0.21/5.7	2.27/2.48	1.72/1.64	1.22/0.68	0.51/0.24	-0.03/0.12	-0.11/-0.14	1.21/2.59	3.01/2.84	2.68/2.98	3.49/3.4	2.69/2.03
Θ(52.5°)	-0.48/-1.67	-1.89/-1.17	-0.65/-0.49	-0.63/-2.2	-4.88/-2.75	-1.4/-1.39	-2.18/-2.1	-1.75/-1.33	-1.3/-0.7	-0.63/-0.79	-1.89/-4.4	-5.44/-2.25	-0.69/1.03	1.85/1.63	0.58/0.61	0.01/-0.56	-0.86/-0.88	-0.71/-0.58	-0.56/-0.31	0.39/1.5	1.71/1.67	1.64/1.81	2.07/2.5	1.91/1.07
Θ(60°)	-3.59/-5.57	-5.51/-4.17	-4.12/-4.82	-3.83/-4.53	-5.01/-3.57	-2.42/-3	-5.44/-4.46	-2.88/-3.3	-4.87/-4.43	-4.33/-4.43	-4.08/-0.98	-8.53/-4.49	-2.69/-0.23	0.91/4.8	0.96/0.12	-0.29/-1.97	-2.94/-2.4	-1.87/-1.8	-1.7/-1.8	-1.74/-1.54	-0.57/0.36	0.59/0.44	0.10/5.9	-0.04/-1.54
Θ(67.5°)	-7.11/-8.6	-10.56/-7.14	-6.32/-9.05	-7.92/-6.66	-5.82/-6.89	-4.97/-5.52	-8.06/-5.32	-3.62/-5.03	-8.99/-8.77	-9.65/-7.5	-9.82/-15.31	-11.96/-8.43	-4.08/-1.73	-1.27/-1.23	-0.86/-1.86	-2.35/-4.4	-2.57/-2.6	-2.23/-3.4	-4.16/-2.51	-2.01/-3.16	-2.16/-0.77	-0.69/-0.9	-1.51/-2.1	-3/-5.61
Θ(75°)	-9.39/-8.86	-9.42/-6.53	-4.8/-9.12	-8.03/-5.01	-6.48/-6.8	-7.6/-8.22	-9.13/-5.24	-4.49/-6.62	-7.99/-8.86	-10.85/-10.26	-12.14/-15.04	-14.92/-9.89	-7.04/-4.21	-3.61/-4.78	-2.87/-4.97	-5.67/-8.09	-2.91/-2.74	-3.87/-4.92	-6.08/-4.11	-5/-2.96	-3.06/-2.68	-3.4/-5.82	-4.57/-7.1	
Θ(82.5°)	-9.62/-9.23	-8.18/-6.56	-5.08/-9.28	-8.56/-5.53	-7.5/-8.44	-6.23/-8.43	-8.17/-5.15	-5.41/-9.09	-8.03/-7.63	-10.01/-11.49	-11.4/-14.02	-11.04/-8.15	-6.7/-4.63	-5.36/-8.13	-4.59/-7.48	-9.61/-11.29	-4.18/-3.59	-5.5/-8.48	-8.53/-5.96	-2.88/-3.66	-5.67/-5.25	-5.27/-4.36	-5.6/-9.72	-5.77/-6.2
Θ(90°)	-8.05/-9.43	-8.6/-7.84	-7.65/-10.61	-10.24/-5.95	-7.76/-9.19	-5.26/-8.46	-6.26/-5.16	-5.31/-10.44	-8.16/-7.13	-10.53/-11.14	-9.9/-12.45	-8.6/-7.71	-6.69/-6	-8.82/-10.79	-6.55/-8.09	-10.71/-13.59	-7.9/-5.72	-7.82/-14.47	-9.22/-7.48	-4.96/-5.92	-7.85/-7.91	-7.95/-6.41	-8.23/-12.82	-7.33/-8.02
Θ(97.5°)	-8.41/-8.81	-8.05/-8.69	-8.18/-9.63	-9.87/-6.4	-9.36/-9.41	-5.29/-8.55	-6.44/-5.32	-5.38/-10.41	-9.22/-9.1	-12.38/-9.98	-9.61/-10.46	-7.97/-8.31	-7.02/-6.81	-8.86/-11.93	-8.51/-8.49	-11.05/-15.27	-14.63/-11.76	-14.16/-14.93	-11.23/-11.75	-10.22/-10.59	-10.51/-10.14	-10.07/-8.99	-10.16/-11.51	-10.02/-9
Θ(105°)	-9.63/-7.45	-6.27/-6.86	-7.51/-9.31	-9.51/-9.47	-11.8/-8.75	-7.37/-9.95	-8.59/-6.52	-6.88/-12.22	-10.08/-13.79	-12.46/-9.93	-10.57/-10.53	-7.47/-9.6	-8.93/-8.08	-9.63/-12.33	-8.83/-8.28	-11.61/-14.82	-14.04/-12.76	-14.52/-11.68	-12.74/-13.08	-14.38/-11.33	-10.97/-9.9	-9.41/-12.22	-12.44/-10.32	-10.68/-12.47
Θ(112.5°)	-15.68/-14.25	-10.43/-8.68	-9.13/-11.3	-11.14/-10.82	-10.23/-9.11	-8/-10.13	-9.93/-8.64	-7.13/-10.94	-10.85/-12.63	-11.48/-11.16	-11.13/-12.27	-10.53/-11.5	-10.27/-9.23	-10.65/-13.93	-10.04/-10.25	-13.03/-12.37	-14.68/-11.21	-14.35/-14.4						



Freq(Hz)	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	7.48	6.28	6.49	5.9	7.49	7.42
Ant. 2 Max Gain (dBi)	7.11	8.01	6	4.87	7.65	8.32
Ant. 3 Max Gain (dBi)	7.24	6.68	5.88	4.86	7.37	7.26
Ant. 4 Max Gain (dBi)	6.57	7.32	6.34	7.31	6.46	6.82
Ant. 1 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/15/315	Theta/15/315	Theta/22.5/315	Phi/7.5/217.5	Theta/7.5/135	Theta/15/135
Ant. 2 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/7.5/217.5	Theta/15/225	Phi/7.5/315	Theta/22.5/217.5	Theta/7.5/45	Theta/0/45
Ant. 3 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/22.5/135	Theta/30/142.5	Theta/15/315	Phi/7.5/52.5	Phi/7.5/37.5	Theta/15/127.5
Ant. 4 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/22.5/45	Theta/15/45	Phi/0/315	Phi/0/307.5	Theta/30/60	Phi/0/142.5
Max Gain (dBi)	7.48	8.01	6.49	7.31	7.65	8.32
DG [1SS] (dBi)	9.91	10.4	9.21	9.03	10.32	10.71
DG [2SS] (dBi)	7.48	8.01	6.49	7.31	7.65	8.32
DG [4SS] (dBi)	7.48	8.01	6.49	7.31	7.65	8.32



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(22.5°)	7.347/16	6.766/16	5.424/57	4.174/73	5.76/6	7.167/6	7.817/8	7.587/16	6.435/56	5.065/43	5.996/45	6.756/85	6.766/56	6.225/72	4.954/09	4.084/85	6.056/91	7.367/47	7.36/98	6.586/15	5.474/53	4.645/78	6.476/85	7.137/34
Θ(30°)	6.816/6	6.245/39	4.443/43	2.733/08	4.176/33	6.357/07	7.317/1	6.566/79	4.994/29	3.794/13	5.035/88	6.566/75	6.535/98	5.214/48	3.5/28	2/3/48	4.944/54	6.476/67	6.576/24	5.654/91	4.213/23	2.883/8	4.915/7	6.246/66
Θ(37.5°)	5.765/65	5.515/104	3.882/66	1.872/29	3.544/89	5.946/42	6.466/21	5.624/63	3.612/82	2.542/71	3.594/66	5.515/85	5.945/5	4.643/78	2.540/97	0.872/33	3.844/81	5.275/61	5.765/41	4.583/74	2.971/88	1.562/56	3.864/8	5.375/82
Θ(45°)	4.664/59	4.483/94	2.881/47	0.961/88	3.084/36	5.385/64	5.455/33	4.933/75	2.792/25	1.431/24	2.293/29	3.954/54	5/5/06	3.962/63	1.42/0.33	-0.80/91	2.744/02	4.534/74	4.74/33	3.642/67	1.70/58	-0.081/06	2.73/75	4.274/75
Θ(52.5°)	3.373/04	2.682/13	0.84/-0.9	-1.010/53	1.632/87	3.924/2	4.013/97	3.382/11	1.391/07	-0.58/-0.88	0.451/34	1.962/73	3.373/35	2.010/39	-1.23/-2.62	-2.13/-0.63	0.882/01	2.35/3	3.272/48	1.280/19	-0.52/-1.55	-2.09/-1.13	1.031/69	2.593/42
Θ(60°)	2.431/63	0.90/68	-0.87/-3.5	-3.56/-1.6	-0.510/78	2.112/68	2.622/36	1.570/43	-0.45/-1.41	-3.02/-2.93	-1.25/-0.33	0.571/82	2.181/72	0.60/-0.65	-3.77/-4.43	-4.82/-3.17	-1.98/-0.57	-0.290/33	1.15/-0.48	-1.93/-2.42	-3.14/-3.9	-4.46/-2.64	-1.140/9	1.492/38
Θ(67.5°)	2.141/13	-0/-0.2	-2.49/-4.98	-5.78/-3.64	-1.97/-0.35	0.30/93	1.260/5	0.18/-0.34	-1.85/-4.44	-5.78/-3.68	-1.87/-0.51	0.281/57	1.721/14	0.15/-1.76	-5.23/-6.33	-7.53/-5.38	-2.79/-0.41	0.640/36	0.9/-0.46	-1.5/-3.01	-6.44/-5.6	-6.99/-4.78	-1.790/09	0.911/68
Θ(75°)	1.240/07	-1.23/-1.82	-3.97/-6.33	-8/-5.64	-3.05/-1.44	-1.630/31	1.230/26	-0.88/-0.91	-2.75/-6.4	-7.56/-5.14	-2.73/-0.97	-0.350/85	1.280/81	-0.51/-2.44	-6.98/-7.95	-8.81/-8.14	-3.42/-0.37	1.541/79	1.550/76	-0.7/-2.53	-6.74/-6.45	-8.95/-6.78	-3.82/-1.29	-0.210/9
Θ(82.5°)	-0.45/-1.5	-2.15/-3.08	-6.18/-8.96	-9.63/-7.07	-4.06/-3.27	-1.960/27	0.43/-0.32	-1.95/-3.62	-5.22/-9.34	-7.4/-6.36	-3.5/-2.02	-1.45/-0.36	-0.47/-0.93	-2.69/-5.27	-10.66/-10.84	-10.46/-8.73	-3.49/-1.1	1.162/08	1.370/57	-0.94/-2.89	-7.68/-7.88	-9.72/-9.57	-6.88/-3.27	-1.76/-0.4
Θ(90°)	-2.76/-3.23	-3.82/-4.93	-8.36/-10.7	-10.51/-9.48	-5.83/-5.74	-2.69/-1.22	-2.09/-1.68	-2.91/-6.88	-6.7/-10.97	-8.77/-7.87	-5.41/-4.44	-3.63/-2.28	-2.63/-3.45	-5.62/-6.86	-9.91/-12.51	-11.08/-11.9	-5.28/-2.1	-0.980/44	-0.49/-1.23	-2.71/-5.06	-9.3/-9.99	-11.34/-10.47	-8.51/-6	-4.81/-2.64
Θ(97.5°)	-5.41/-5.71	-6.53/-7.48	-10.32/-11.97	-11.12/-10.98	-8.55/-8.32	-4.84/-4	-4.2/-3.56	-4.93/-7.9	-8.42/-10.95	-9.21/-10.28	-8.25/-7.53	-6.31/-4.71	-5.21/-6.27	-8.29/-9.64	-11.03/-11.5	-11.02/-11.83	-9.53/-5.53	-5.29/-4.32	-4.33/-5.9	-7.01/-8.61	-11.71/-11.67	-11.56/-11.14	-9.61/-8.09	-7.12/-5.38
Θ(105°)	-8.05/-7.67	-8.74/-8.32	-11.14/-12.42	-11.71/-11.72	-10.3/-10.16	-8.89/-6.95	-6.71/-6.49	-8.34/-8.8	-10.04/-10.38	-9.62/-12.42	-10.75/-9.85	-7.39/-6.73	-6.78/-6.38	-10.06/-10.64	-11.12/-11.98	-12.7/-12.38	-11.06/-8.99	-10.3/-9.88	-9.17/-11.9	-10.92/-10.48	-12.7/-12	-12.54/-11.53	-9.64/-9.43	-8.45/-7.76
Θ(112.5°)	-10.36/-10.81	-11.03/-10.11	-11.72/-12.27	-12.37/-11.57	-10.86/-10.13	-10.01/-9.3	-8.83/-9.42	-9.12/-8.63	-10.37/-9.98	-10.28/-12.5	-11.19/-10.17	-8.56/-8.8	-9.39/-10.44	-10.73/-10.96	-12.86/-13.15	-12.51/-11.67	-9.87/-9.77	-8.75/-9.78	-8.41/-10.28	-10.97/-10.12	-10.33/-11.94	-12.67/-11.23	-10.48/-10.24	-9.5/-9.62
Θ(120°)	-11.95/-12.04	-11.68/-10.4	-10.83/-12.46	-11.93/-11.81	-10.72/-11.26	-10.8/-9.99	-9.79/-10.08	-10.22/-10.38	-11.36/-11.82	-12.39/-12.3	-11.67/-11.82	-11.63/-10.53	-9.95/-10.51	-10.83/-10.63	-11.83/-12.1	-12.19/-12.49	-11.06/-10.66	-9.41/-11.29	-12.03/-10.58	-10.27/-11.87	-11.36/-9.59	-10.75/-11.59	-10.75/-11.59	-10.75/-11.59
Θ(127.5°)	-11.57/-10.26	-10.81/-10.45	-11.34/-12.42	-12.57/-12.28	-12.06/-11.24	-11.11/-11.73	-12.07/-12.1	-12.34/-10.55	-11.09/-11.79	-12.32/-11.45	-10.61/-9.98	-10.59/-10.97	-12.08/-11.15	-9.41/-8.82	-11.31/-12.63	-12.91/-11.93	-12.71/-12.66	-11.77/-11.75	-12.25/-12.52	-12.19/-12.57	-12.78/-12.25	-11.01/-11.66	-11.33/-10.93	-11.49/-12.21
Θ(135°)	-12.77/-11.9	-11.27/-11.97	-12.38/-12.16	-12.33/-12.51	-11.71/-12.32	-11.69/-11.49	-11.07/-11.33	-12.19/-12.34	-11.64/-12.35	-12.45/-12.21	-12.05/-11.65	-11.84/-12.25	-12.35/-11.54	-10.95/-9.7	-12.41/-12.19	-12.26/-10.23	-11.42/-11.3	-11.5/-12.15	-12.29/-11.07	-12.27/-11.88	-11.94/-11.74	-12.35/-12.37	-11.37/-9.96	-11.48/-12.58
Θ(142.5°)	-12.15/-12.23	-12.29/-11.13	-11.14/-11.94	-12.56/-12.27	-12.23/-12.34	-12.15/-12.34	-12.21/-11.39	-11.72/-10.89	-11.16/-11.98	-12.37/-12.48	-12.26/-12.61	-12.45/-11.91	-12.38/-12.14	-11.68/-10.91	-11.38/-11.96	-11.49/-11.98	-12.19/-11.43	-10.55/-9.45	-10.34/-12.31	-11.97/-10.97	-12.56/-12.65	-10.81/-11.83	-12.35/-11.5	-11.54/-12.04
Θ(150°)	-11.11/-12.22	-12.29/-11.48	-12.28/-12.85	-12.2/-12.57	-12.33/-12.27	-12.08/-12.1	-11.37/-11.72	-12.04/-12.63	-13.12/-12.55	-12.47/-12.29	-12.21/-11.87	-12.31/-11.88	-12.17/-11.54	-11.69/-12.01	-11.33/-11.99	-11.63/-11.92	-11.91/-12.45	-11.91/-12.45	-11.35/-11.62	-12.27/-12.07	-12.59/-11.85	-12.71/-12.23	-12.62/-11.49	-10.52/-10.52
Θ(157.5°)	-11.78/-12.17	-11.91/-11.99	-11.93/-11.84	-12.15/-12.36	-12.46/-12.39	-12.22/-12.65	-12.01/-11.8	-12.72/-12.44	-12.05/-12.35	-12.28/-11.69	-12.17/-12.65	-12.2/-12.18	-12.03/-11.55	-11.33/-12.09	-12.64/-11.31	-11.63/-12.52	-12.42/-11.73	-11.34/-11.24	-11.89/-11.42	-12.28/-12.1	-12.25/-12.57	-12.13/-12.19	-12.27/-12.17	-12.49/-12.44
Θ(165°)	-11.49/-11.46	-11.73/-12.64	-12.44/-11.9	-12.21/-12.1	-11.67/-11.06	-11.26/-11.62	-12.61/-11.95	-11.3/-11.22	-11.49/-12.46	-11.78/-12.21	-11.94/-12.43	-12.04/-12.21	-12.61/-12.61	-12.05/-12.39	-12.32/-12.25	-12.09/-12.21	-11.32/-10.46	-11.12/-11.94	-12.68/-12.18	-12.35/-12.32	-12.62/-12.41	-12.43/-12.26	-12.37/-12.1	-12.16/-11.38
Θ(172.5°)	-12.49/-11.45	-12.02/-12.9	-12.4/-12.32	-12.45/-12.11	-12.67/-12.95	-12.78/-12.31	-12.44/-11.53	-10.59/-10.83	-11.57/-12.34	-12.22/-12.06	-12.14/-12.56	-12.36/-11.63	-11.68/-11.25	-10.89/-11.18	-10.93/-10.77	-10.29/-9.4	-8.97/-9.36	-9.18/-10.13	-11.05/-12.3	-12.72/-12.71	-12.46/-12.48	-12.09/-12.54	-12.2/-12.22	-12.04/-12.67
Θ(180°)	-10.65/-10.8	-11.31/-11.74	-12.19/-12.6	-12.56/-13.07	-12.56/-11.69	-12/-11.92	-11.21/-11.21	-11.07/-11.57	-11.55/-12.87	-12.9/-12.39	-12.21/-12.31	-12.41/-11.77	-11.94/-12.62	-12.72/-12.31	-12.49/-12.25	-12.64/-12.83	-12.05/-12.34	-12.51/-12.81	-12.5/-12.74	-12.27/-11.69	-11.24/-11	-11.01/-11.53	-11.41/-11.29	-10.75/-10.87
Freq(Hz)	6.175GPol.	ThetaA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	8.358/34	8.197/85	7.426/87	6.586/97	7.537/96	8.268/45	8.518/36	8.047/57	6.916/14	5.666/21	6.917/5	7.916/16	8.288/3	8.157/87	7.426/76	6.557/05	7.628/08	8.428/62	8.578/31	7.887/38	6.776/02	5.626/18	6.897/4	7.848/15
Θ(7.5°)	8.538/47	8.247/86	7.396/75	6.396/92	7.588/08	8.428/58	8.558/33	7.997/47	6.726/83	5.295/93	6.87/53	8.038/37	8.686/66	8.528/23	7.727/04	6.516/85	7.548/04	8.448/67	8.628/33	7.897/32	6.716/14	6.126/73	7.397/83	8.148/38
Θ(15°)	8.468/26	87/62	7.136/38	6.166/84	7.618/24	8.719/02	9.199/09	8.778/14	7.264/24	5.746/5	7.337/9	8.218/45	8.817/89	8.678/27	7.666/97	6.456/92	8.388/62	8.728/69	8.518/18	7.727/14	6.847/24	7.958/4	8.648/64	
Θ(22.5°)	7.97/58	7.377/06	6.415/87	6.136/87	7.558/15	8.618/98	9.29/21	8.998/52	7.726/85	6.46/83	7.67/97	8.138/34	8.568/46	8.057/58	7.63/32	5.916/3	6.897/27	7.447/51	7.517/56	7.587/53	7.417/19	6.846/85	7.457/95	8.228/21
Θ(30°)	6.946/53	6.235/95	5.515/44	5.786/43	7.047/42	7.667/88	8.098/15	8.067/76	7.26/39	5.735/74	6.396/81	7.097/68	87/95	7.837/59	7.026/23	5.585/57	5.966/09	6.126/15	6.116/1	6.36/62	6.666/37	6.286/29	6.676/99	7.097/17
Θ(37.5°)	5.545/2	4.714/7	4.935/25	5.426/03	6.396/41	6.386/47	6.646/81	6.928/82	6.325/47	5.185/23	5.76/29	6.246/61	6.076/63	6.265/73	4.84/32	4.04/4	4.24/33	4.133/85	4.044/67	5.395/54	5.635/57	5.465/29	5.25/35	
Θ(45°)	2.52/53	2.93/35	3.96/451	4.934/92	4.84/38	4.334/59	4.674/53	4.414/48	4.414/03	4.054/17	3.553/7	4.154/34	4.143/29	2.882/59	3.344/46	3.682/76	2.42/59	2.853/53	2.221/8	1.612/09	2.853/53	4.083/94	3.42/87	2.152/26
Θ(52.5°)	-1.410/28	1.69/3	3.333/93	4.183/76	3.062/48	2.122/01	2/189	2.072/1	2.062/37	2.512/09	2.212/72	2.361/64	1.46/18	2.3/24	2.072/76	2.151/28	0.660/83	0.640/15	-0.12/-0.43	-0.410/1	1.11/91	2.372/39	2.121/94	0.27/-0.95
Θ(60°)	-3.46/-1.4	0.762/25	2.622/89	3.24/3	2.131/7	0.93/-0.41	-0.730/45	1.581/46	1/0.9	0.91/39	1.662/06	0.9/-0.84	-1.30/19	1.341/22	0.360/55	-0.37/-0.35	-0.43/-0.7	-1.84/-3	-3.22/-2.43	-1.6/-1.57	-0.92/-0.11	-0.20/58	0.70/53	-0.8/-2.54
Θ(67.5°)	-4.49/-2.16	-0.530/78	1.511/22	2.111/37	0.521/01	-0.01/-2.4	-0.480/25	0.860/37	-0.65/-0.85	-0.30/27	0.840/85	-0.93/-2.35	-3.41/-1.59	-0.64/-0.23	-0.78/-1.29	-2.76/-1.82	-0.56/-0.45	-1.93/-3.46	-3.67/-2.38	-0.95/-1.47	-2.14/-1.36	-2.1/-1.04	-1.05/-1.94	-2.77/-3.46
Θ(75°)	-4.16/-3.04	-1.84/-1.08	-0.240/-0.85	-0.061/-0.82	-1.1/-0.11	-1.76/-3.13	-3.64/-2.09	-1.16/-0.82	-2.34/-2.76	-1.54/-1.03	-0.33/-0.87	-1.97/-3.79	-4.51/-3.3	-2.56/-2.38	-1.97/-3.83	-4/-2.13	-0.670/12	-0.75/-2.7	-2.96/-2.06	-0.83/-0.6	-2.51/-2.88	-3.46/-2.89	-2.81/-2.41	-4.04/-4.63
Θ(82.5°)	-5.76/-4.4	-3.51/-3.05	-2.31/-2.88	-2.74/-3.69	-2.37/-1.7																			



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(67.5°)	-0.32/-0.17	-0.95/-3.04	-3.78/-5.26	-6.45/-3.84	-2.72/-0.83	2.61/2.62	1.93/1.82	1.75/-0.7	-4.79/-5.36	-6.73/-3.69	-2.49/-0.99	0.81/0.06	1.48/1.32	-0.46/-4.41	-5.24/-7.53	-8.8/-7.61	-6.1/-2.22	-0.81/-1.77	-1.70/1.	-3.67/-5.33	-6.02/-6.63	-5.97/-4.16	-2.74/-1.54	0.55/-0.19
Θ(75°)	-1.39/-1.12	-1.39/-3.39	-4.76/-6.05	-7.09/-4.69	-3.88/-1.25	0.72/0.78	1.07/0.4	0.64/-0.95	-4.79/-5.03	-7.7/-3.35	-2.81/-0.12	0.39/0.28	-0.46/-0.24	-1.49/-5.26	-6.84/-7.8	-9.26/-7.58	-6.1/-0.74	0.34/-0.29	-1.47/0.71	-2.14/-4.35	-5.3/-5.8	-6.32/-5.63	-4.08/-2.88	-0.58/-1.51
Θ(82.5°)	-3.15/-2.89	-2.42/-3.7	-5.96/-7.06	-8.17/-5.37	-4.29/-2.11	-1.53/0.15	1.24/-0.28	-1.34/-2.97	-4.81/-5.24	-7.31/-3.86	-3.56/-1.64	-1.25/-2.05	-2.45/-2.52	-3.64/-5.61	-8.91/-9.07	-8.43/-5.91	-4.81/-0.7	1.12/0.75	-1.07/-4.73	-5.84/-7.26	-7.31/-7.25	-6.13/-4.6	-3.37/-3.87	
Θ(90°)	-6.3/-5.25	-4.34/-5.44	-6.88/8.47	-9.71/-7.48	-6.04/-4.18	-3.37/-0.57	0.4/-0.68	-2.3/-5.49	-4.96/-6.78	-7.6/-6.31	-5.04/-3.15	-3.74/-4.64	-4.57/-4.16	-6.15/-7.23	-8.64/-11.54	-9.15/-6.54	-5.76/-4.22	-1.37/-0.96	-2.24/-2.51	-2.09/-4.64	-7.34/-9.94	-8.77/-9.3	-8.19/-5.75	-5.68/-5.18
Θ(97.5°)	-8.76/-6.41	-5.42/-7.6	-8.33/-10.11	-11.1/-8.86	-7.9/-5.46	-5.09/-2.02	-1.7/-2.47	-4.53/-6.98	-6.35/-9.93	-9.06/-8.28	-6.39/-5.7	-6.56/-6.63	-6.27/-6.68	-9.07/-9.73	-10.83/-12.02	-11.18/-9.26	-9.09/-6.71	-6.83/-5.52	-5.09/-8.26	-7.4/-7.96	-9.75/-11.48	-9.75/-10.81	-10.07/-7.26	-7.95/-3.7
Θ(105°)	-9.78/-8.9	-8.67/-9.81	-10.21/-10.43	-12.47/-10.12	-9.12/-6.48	-7.25/-5.33	-5.11/-4.84	-7.93/-8.33	-8.99/-11.38	-9.8/-10.06	-8.53/-8.69	-9.54/-8.3	-7.57/-8.2	-11.06/-10.81	-11.29/-11.01	-11.97/-11.74	-10.3/-8.66	-10.64/-10.87	-9.02/-10.75	-11.65/-10.88	-11.24/-12.87	-11.14/-10.87	-10.35/-9.64	-10.01/-8.34
Θ(112.5°)	-10.97/-11.06	-11.24/-10.64	-9.83/-11.25	-12.64/-10.94	-9.86/-9.53	-7.52/-5.4	-5.39/-6.67	-9.01/-9.9	-10.45/-11.54	-11.91/-10.65	-9.97/-10.32	-11.36/-9.69	-9.45/-9.95	-10.74/-10.63	-10.81/-10.73	-12.12/-9.69	-9.73/-8.55	-8.47/-9.13	-9.22/-8.41	-11.11/-12.09	-11.77/-11.87	-12.18/-12.66	-11.23/-12.18	-11.63/-11.15
Θ(120°)	-12.27/-11.88	-12.56/-11.45	-11.11/-11.85	-12.26/-12.45	-12.48/-11.49	-11.54/-9.6	-10.32/-11.55	-11.01/-9.96	-9.98/-11.82	-11.3/-11.52	-10.74/-10.77	-11.76/-10.6	-11.3/-10.11	-10.4/-10.16	-10/-12	-12.22/-11.63	-11.71/-11.55	-11.17/-11.46	-12.2/-11.4	-11.49/-12.05	-12.45/-12.69	-11.49/-12.4	-11.39/-12.15	-12.42/-12.43
Θ(127.5°)	-12.47/-12.28	-12.43/-12.27	-12.81/-12.63	-12.32/-12.4	-11.56/-12.03	-12.08/-12.28	-10.41/-10.28	-10.94/-11.77	-11.02/-12.42	-12.09/-11.2	-11.17/-11.82	-9.76/-10.25	-11.87/-12.29	-10.95/-10.04	-10.24/-12.7	-12.08/-12.15	-10.71/-11.87	-12.29/-11.12	-11.29/-11.66	-10.87/-11.24	-12.5/-12.19	-10.46/-11.98	-12.32/-12.66	
Θ(135°)	-12.14/-11.98	-10.78/-11.52	-11.08/-11.75	-12.15/-12.34	-12.55/-12.38	-12.59/-11.21	-11.41/-12.31	-12.76/-11.3	-11.34/-12.22	-11.58/-12.32	-11.16/-12.02	-11.13/-12.43	-12.28/-11.92	-11.72/-10.91	-10.97/-11.71	-12.48/-11.01	-12.05/-10.38	-9.55/-9.72	-9.81/-11.43	-8.04/-10.73	-11.91/-12.8	-12.48/-12.35	-12.23/-11.4	-12.14/-12.48
Θ(142.5°)	-12.48/-12.3	-11.28/-11.83	-11.87/-12.42	-12.9/-12.29	-11.22/-11.97	-12.12/-11.65	-11.72/-12.39	-12.38/-10.33	-12.08/-10.98	-12.23/-12.4	-10.97/-12.04	-12.01/-12.34	-11.63/-9.87	-11.41/-11.54	-12.47/-12.77	-12.66/-11.7	-12.48/-11.89	-12.1/-12.39	-12.1/-12.24	-12.65/-12.8	-12.71/-11.76	-12.36/-12.55	-12.16/-11.03	-11.85/-11.62
Θ(150°)	-12.81/-12.4	-12.27/-11.93	-10.88/-12.25	-12.5/-12.37	-12.61/-12.61	-12.18/-11.85	-10.68/-11.87	-12.14/-12.47	-12.08/-11.63	-12.32/-12.63	-12.16/-11.95	-11.85/-12.47	-11.95/-11.41	-12.03/-10	-11.39/-12.32	-12.96/-12.2	-12.12/-11.83	-12.73/-13.02	-12.2/-12.31	-11.81/-12.05	-12.62/-12.79	-11.72/-13.1	-12.26/-11.45	
Θ(157.5°)	-11.89/-12.75	-12.45/-12.49	-12.31/-12.43	-12.27/-12.5	-12.05/-12.22	-11.73/-12.5	-12.02/-11.6	-11.87/-12.61	-12.32/-12.31	-11.64/-11.39	-11.97/-10.9	-11.9/-12.32	-12.58/-10.67	-10.36/-9.86	-12.06/-12.4	-12.99/-12.56	-12.42/-11.96	-11.37/-12.12	-11.63/-10.47	-10.4/-11.86	-12.45/-12.28	-12.53/-12.29	-12.32/-11.86	-10.38/-10.28
Θ(165°)	-11.73/-11.94	-11.58/-12.19	-12.71/-12.28	-12.27/-11.92	-11.76/-11.66	-11.82/-10.81	-11.02/-11.95	-11.21/-11.21	-11.32/-11.62	-11.45/-11.81	-12.95/-12.52	-12.38/-12.62	-12.6/-11.83	-10.73/-10.72	-10.48/-10.76	-12.02/-12.29	-12.17/-11.07	-10.77/-11.83	-12.66/-12.34	-12.34/-12.02	-12.18/-11.69	-11.57/-11.44	-11.81/-12.44	
Θ(172.5°)	-12.4/-11.98	-12.02/-12.03	-12.52/-12.59	-12.31/-11.64	-10.94/-10.93	-11.38/-11.46	-11.54/-11.57	-11.06/-10.85	-10.41/-10.46	-11.09/-11.25	-11.56/-11.56	-11.36/-11.32	-11.49/-11.21	-11.83/-11.38	-11.91/-12.14	-12.46/-11.53	-11.13/-11.02	-11.46/-12.41	-12.17/-12.21	-12.74/-12.55	-12.57/-12.39	-11.89/-11.42	-11.71/-11.75	-11.65/-12.1
Θ(180°)	-11.93/-12.27	-11.65/-11.74	-11.75/-12.07	-11.64/-11.77	-11.53/-11.95	-12.12/-11.29	-10.91/-10.55	-10.28/-10.48	-10.99/-10.72	-11.67/-11.41	-11.4/-10.77	-10.8/-10.77	-11.49/-11.96	-11.94/-11.91	-11.2/-10.57	-11.06/-10.91	-11.36/-11.64	-11.87/-12.19	-12.12/-11.86	-11.79/-11.98	-12.65/-12.65	-12.15/-12.18	-11.99/-11.99	-11.89/-12.53
Freq(Hz)	6.995GPol.	Theta-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DG(dB)	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	8.44/8.31	7.99/7.56	6.98/6.64	7.03/7.84	8.61/9.23	9.68/9.99	10.07/10.07	9.92/9.6	9.18/38	7.65/7.38	7.64/8.16	8.48/8.65	6.59/8.39	8.04/7.51	6.86/6.36	6.98/7.97	8.77/9.38	9.83/10.11	10.23/10.22	9.96/9.6	9.04/8.3	7.72/7.51	7.69/8.09	8.33/8.42
Θ(7.5°)	9.26/9.18	8.92/8.52	7.85/7.1	7.23/8.14	8.92/9.5	9.89/10.19	10.21/10.32	10.16/9.8	9.23/8.52	7.81/7.66	8.8/39	8.6/8.59	8.43/8.12	7.68/7.17	6.66/6.68	7.29/8.13	8.85/9.4	9.89/9.9	10.19/9.96	9.66/9.31	8.81/8.27	7.99/8.1	8.36/8.68	8.97/9.17
Θ(15°)	9.49/4.5	9.28/8.73	8.17/4.8	7.14/7.54	8.25/8.83	9.26/9.58	9.72/9.74	9.58/9.29	8.18/8.22	7.88/7.74	8.06/8.52	8.78/8.75	8.67/8.1	7.69/7.24	6.68/6.16	6.29/8.02	7.86/8.62	9.29/5.4	9.54/9.34	8.87/8.34	7.47/7.85	8.33/8.67	8.91/9.22	
Θ(22.5°)	8.16/8.18	8.13/7.8	7.51/7.25	6.96/7.06	7.48/8.08	8.68/9.08	9.28/9.26	8.99/8.64	8.21/7.93	7.83/7.76	7.77/8.19	8.52/8.5	8.29/8.03	7.56/6.94	6.41/6.16	6.26/39	6.72/7.08	7.37/7.51	7.48/7.29	7.05/6.89	6.82/6.75	6.76/6.91	7.27/7.74	8.17/8.26
Θ(30°)	6.26/6	6.126/6.19	6.436/5.1	6.496/6.69	6.89/6.98	7.06/7.13	7.36/7.66	7.93/8.02	7.92/7.72	7.42/7.2	6.81/6.66	6.56/21	6.36/24	5.93/5.83	6.14/6.26	6.025/64	5.495/42	5.215/0.1	5.095/28	5.44/5.66	6.076/5.99	6.92/7	6.786/5.66	6.74/6.71
Θ(37.5°)	3.67/3.89	4.725/3.38	5.87/5.85	5.73/5.84	5.86/5.53	4.78/4.06	4.07/5.06	6.27/6.88	7.16/7.34	7.21/6.85	6.01/4.96	3.81/3.14	3.44	4.57/5.35	5.415/0.5	4.92/4.81	5.46/4.14	3.31/2.67	2.72/3.6	4.78/5.63	5.99/5.05	6.26/6.58	6.51/5.68	4.64/4.2
Θ(45°)	3.28/3.26	3.67/4.74	5.64/5.66	5.06/4.65	4.49/4.18	3.52/2.79	2.49/3.12	4.26/5.24	5.98/5.54	6.66/6.37	5.35/4.02	2.87/2.28	1.53/1.64	2.15/3.14	3.16/3.3	3.52/3.16	3.03/2.62	1.75/1.14	1.08/1.61	2.96/4.13	4.44/6.66	4.77/4.72	4.87/4.3	3.77/3.55
Θ(52.5°)	2.59/2.21	2.28/3.04	4.16/4.47	4.26/3.53	3.21/2.93	2.26/1.92	1.94/2.27	2.85/3.39	3.74/4.84	5.18/4.8	3.82/2.26	1.63/1.35	-0.06/-0.28	0.01/0.16	1.42/2.43	2.07/1.33	1.68/1.53	1.14/0.23	0.37/1.23	2.03/2.83	2.76/2.89	3.48/2.91	2.38/2.42	2.73/2.87
Θ(60°)	0.75/0.73	1.14/0.98	1.57/1.97	2.71/1.95	2.05/2.1	1.49/0.88	0.47/0.92	2.12/2.56	1.62/2.32	3.1/3.02	2.32/0.59	0.92/0.47	-0.51/-0.71	-0.27/0.26	0.17/0.45	0.81/-0.51	0.34/-0.07	-0.16/-0.89	-0.50/5.58	0.71/0.8	1.02/0.92	1.62/2.01	-0.32/0.07	0.29/0.63
Θ(67.5°)	-1.91/-1.26	-0.66/-1.21	-0.67/-0.54	0.24/0.55	0.22/-0.69	0.02/0.03	-0.83/0.48	1.45/1.29	-0.29/0.02	0.48/0.63	0.23/-0.5	-0.45/-1.35	-1.59/-0.93	-1.64/-1.24	-0.83/-0.95	-1.39/-1.01	0.14/-0.96	-1.2/-1.76	-2.17/0.11	0.54/-0.62	0.07/-0.2	-0.5/-1.44	-2.51/-2.88	-1.58/-2.23
Θ(75°)	-4.35/-3.33	-1.99/-1.9	-1.46/-1.78	-1.39/0.48	-2.16/-2.44	-1.8/-2.06	-3.47/-1.25	0.01/0.53	-1.72/-1.83	-2.08/-1.22	-1.61/-1.63	-2.71/-3.77	-3.77/-2.04	-1.75/-3.8	-2.03/-3.27	-2.9/-1.99	-0.61/-1.65	-3.1/-1.86	-3.42/-1.51	-0.12/-0.85	-1.33/-0.97	-2.08/-2.91	-3.87/-4.88	-1.8/-3.66
Θ(82.5°)	-6.12/-4.78	-3.2/-3.17	-2.81/-2.91	-3.56/-2.81	-4.53/-2.84	-2.28/-3.41	-4.1/-2.25	-1.79/-3.05	-4.38/-3.56	-4.58/-3.35	-3.07/-3.13	-4.22/-5.03	-4.18/-1.96	-2.18/-6.61	-3.11/-5.17	-3.8/-2.52	-1.28/-3.17	-4.17/-2.93	-4.38/-3.22	-0.85/-2.28	-2.99/-3.89	-4.9/-5.76	-1.9/-3.99	
Θ(90°)	-4.5/-6.14	-4.54/-4.59	-5.11/-4.85	-6.12/-4.96	-5.56/-3.54	-2.65/-5.02	-4.05/-3.52	-2.95/-5.12	-5.84/-5.62	-7.08/-4.51	-3.97/-4.42	-4.54/-6.02	-5.29/-3.51	-3.14/-9.17	-4.92/-5.93	-4.92/-3.9	-2.87/-4.81	-6.01/-5.11	-4.88/-3.95	-3.96/-2.22	-1.63/-4.6	-5.03/-5.09	-5.82/-7.35	-2.97/-4.48
Θ(97.5°)	-5.26/-6.37	-5.38/-5.75	-6.13/-6.09	-8.29/6.01	-7.5/-4.11	-3.46/-6.42	-5.81/-4.52	-3.61/-7.17	-7.53/-7.72	-9.06/-5.16	-5.15/-5.04	-5.79/-6.82	-6.29/-4.89	-5.63/-10.47	-6.91/-6.71	-6.15/-6.23	-6.57/-7.13	-9.32/-6.2	-5.33/-5.58	-8.1/-7.05	-4.45/-7.22	-6.6/-6.56	-6.24/-7.51	-4.74/-5.63
Θ(105°)	-7.26/6	-4.7/-5.44	-6.34/-7.35	-8.49/-8.08	-10.71/-5.92	-4.47/-7.04	-8.28/-5.15	-5.06/-9.05	-8.93/-11.9	-9.29/-6.18	-7.46/-7.22	-6.67/-8.21	-7.46/-6.41	-7.01/-9.9	-7.12/-7.09	-8.18/-6.89	-8.42/-7.46	-7.88/-6.09	-5.82/-5.96	-9.48/-9.86	-5.89/-6.41	-8.18/-8.04	-7.88/-6.86	-5.94/-8.5
Θ(112.5°)	-11.05/-10.32	-8.2/-6.88	-7.12/-10.35	-9.18/-9.84	-8.66/-9.93	-6.09/-7.36	-8.51/-5.47	-6.46/-9.25	-9.28/-9.82	-8.98/-8.05	-8.93/-9.23	-8.55/-8.95	-8.22/-6.79	-8.29/-9.87	-7.38/-7.69	-10.31/-7.26	-9.08/-7.77	-8.71/-8.98	-8.29/-6.55	-9.06/-7.06	-7.58/-6.76	-9.97/-6.72	-8.52/-7.92	-6.33/-6.69
Θ(120°)	-7.87/-9.06	-10.78/-10.75	-10.98/-9.28	-8.57/-8.75	-8.97/-7.38	-8.52/-10.41	-11.24/-9.																	



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(22.5°)	2.08/2.86	3.38/3.84	4.1/4.16	4.21/4.31	4.31/4.09	3.42/2.39	1.08/0.59	-2.31/4.42	-7.81/13.97	-17.9/10.25	-5.36/-2.74	-1.10/1.4	1.08/1.6	2.32/3.6	3.26/3.39	3.31/3.14	3.07/3.11	3.05/2.76	2.14/1.09	-0.42/2.61	-6.17/13.89	-17.35/-8.52	-4.6/2.27	-0.55/0.96
Θ(30°)	1.45/2.17	2.39/2.42	2.29/2.28	2.52/2.79	2.94/2.95	2.56/1.63	0.12/-1.75	-3.7/-6	-9.12/-13.55	-18.35/-12.75	-6.99/-3.87	-2.06/-0.64	0.43/0.1	1.54/1.91	1.81/4.3	1.15/1.25	1.54/2.08	2.57/2.41	1.68/0.62	-0.76/-3.15	-7.53/-17.45	-16.93/-9.87	-5.28/-2.97	-1.22/0.31
Θ(37.5°)	0.15/0.74	1.07/1.16	1.03/1.2	1.48/1.75	1.98/1.93	1.66/0.88	-0.34/-1.7	-3.64/-6.2	-9.54/-14.18	-18.91/-12.58	-7.11/-4.79	-3.38/-1.75	-0.52/0.11	0.59/0.68	0.36/0.25	0.05/-0.27	0.05/0.8	1.05/0.93	0.49/-0.4	-1.81/-3.47	-7.35/-17.43	-17.89/-9.22	-5.31/-2.87	-1.28/0.28
Θ(45°)	-0.85/-0.61	-0.52/-0.39	-0.42/0.12	0.53/0.53	0.01/-0.05	-0.17/-0.47	-0.76/-1.01	-2.15/-4.81	-8.9/-13.32	-19.15/-12.11	-6.32/-4.72	-4.63/-3.28	-1.97/-1.32	-1.66/-2.24	-2.14/-1.77	-1.62/-2.18	-1.87/-0.87	-0.13/0.12	-0.04/-0.99	-3.15/-6.45	-10.39/-17.61	-18.03/-11.31	-6.06/-3.18	-1.78/-0.93
Θ(52.5°)	-2.6/-3.27	-3.1/-2.96	-2.96/-2.18	-1.61/-1.85	-2.42/-2.59	-2.78/-2.88	-2.39/-1.85	-2.11/-4.14	-8.56/-14.53	-18.42/-10.21	-5.64/-5.01	-5.35/-4.68	-3.93/-3.82	-4.3/-4.96	-4.85/-3.53	-3.14/-3.7	-3.37/-2.86	-2.78/-1.97	-1.42/-2.58	-5.93/-9.77	-12.43/-18.52	-17.3/-13.6	-8.49/-5.82	-3.33/-2.05
Θ(60°)	-4.8/-6.72	-5.76/-5.82	-6.03/-5.36	-4.58/-5.36	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6	-5.75/-6.05	-5.52/-4.6
Θ(67.5°)	-5.82/-7.02	-6.74/-6.96	-9.24/-6.65	-7.45/-8.89	-8.7/-6.91	-5.46/-4.78	-3.76/-3.22	-2.64/-3.57	-7.13/-16.51	-16.84/-7.45	-4.96/-4.37	-3.94/-3.61	-3.82/-4.6	-5.42/-8.17	-11.11/-9.92	-9.64/-9.81	-8.86/-5.53	-5.82/-7.78	-6.9/-7.22	-10.58/-14.88	-19.61/-18.29	-18.7/-15.11	-12.11/-8.43	-6.25/-5.73
Θ(75°)	-6.89/-7.88	-8.53/-8.59	-12.77/-11.01	-9.92/-11.44	-11.2/-7.73	-7.27/-4.86	-3.44/-0.42	4.03/-3.48	-6.87/-15.35	-17.71/-8.91	-5.72/-5.33	-4.41/-3.37	-4.22/-5.25	-6.35/-10.4	-15.5/-14.08	-12.74/-14.05	-13.87/-7.33	-5.17/-5.93	-6.23/-5.31	-6.67/-13.3	-18.24/-17.25	-17.7/-17.03	-15.51/-9.3	-6.96/-6.68
Θ(82.5°)	-9.98/-9.77	-8.93/-10.28	-16.98/-12.4	-11.77/-14.2	-13.21/-9.23	-7.41/-4.35	-3.14/-4.51	-6.38/-5.5	-8.06/-18.37	-16.11/-9.95	-6.87/-6.76	-6.74/-5.83	-5.42/-5.89	-7.82/-14.39	-18.01/-18.94	-14.99/-18.81	-15.1/-9.22	-6.29/-5.57	-6.56/-6.09	-6.91/-12.09	-18.81/-18.89	-15.95/-19.02	-18.49/-11.08	-7.43/-7.81
Θ(90°)	-13.4/-12.89	-10.4/-11.88	-18.22/-14.85	-13.59/-16.71	-15.08/-12.43	-8.39/-5.88	-4.96/-5.9	-8.31/-7.54	-8.36/-18.69	-18.63/-11.85	-8.92/-9.77	-8.99/-7.33	-6.94/-7.55	-10.3/-15.33	-17.44/-18.95	-15.81/-17.74	-15.49/-10.93	-9.12/-7.33	-7.39/-8.36	-8.14/-14.04	-18.5/-18.56	-17.57/-17.92	-18.58/-13.94	-9.06/-9.02
Θ(97.5°)	-16.08/-16.33	-12.9/-14.14	-17.23/-16.86	-15.29/-18.28	-17.32/-14.05	-9.67/-5.57	-7.15/-8.5	-9.71/-8.59	-10.53/-15.96	-18.84/-14.22	-11.44/-11.67	-11.11/-9.61	-8.82/-10.25	-13.55/-17.24	-18.45/-17.24	-13.58/-18.68	-19.05/-12.64	-12.19/-12.93	-9.91/-11.27	-14.07/-18.12	-17.79/-17.49	-17.07/-17.69	-18.85/-17.18	-11.59/-11.32
Θ(105°)	-17.72/-18.98	-17.28/-14.09	-17.67/-17.32	-17.4/-18.77	-18.35/-15.24	-13.25/-10.94	-10.63/-11.2	-11.69/-10.08	-12.59/-18.98	-18.11/-17.51	-13.67/-14.42	-10.94/-9.33	-13.67/-14.42	-10.94/-9.33	-13.67/-14.42	-10.94/-9.33	-13.67/-14.42	-10.94/-9.33	-13.67/-14.42	-10.94/-9.33	-13.67/-14.42	-10.94/-9.33	-13.67/-14.42	-10.94/-9.33
Θ(112.5°)	-18.49/-18.47	-17.39/-14.2	-17.85/-18.3	-18.38/-19.04	-19/-14.4	-13.51/-14.41	-14.09/-13.15	-13.32/-11.98	-14.82/-18.22	-18.01/-19.1	-14.25/-15.18	-13.05/-13.04	-14.5/-15.05	-17.24/-18.33	-19.38/-19.11	-17.73/-17.51	-17.6/-14.89	-14.84/-19.2	-17.21/-15.87	-18.42/-18.09	-19.16/-18.77	-18.59/-17.45	-17.7/-18.79	-16.69/-15.69
Θ(120°)	-18.84/-18.14	-16.87/-16.77	-17.23/-19.02	-17.97/-18.58	-18.59/-17.81	-16.32/-14.57	-13.27/-13.72	-16.92/-17.76	-16.62/-18.26	-18.72/-18.29	-15.1/-14.23	-14.88/-14.51	-18.73/-18.62	-13.95/-17.95	-18.94/-18.31	-18.39/-18.03	-18.34/-15.83	-13.41/-16.64	-17.81/-18.25	-19.39/-19.05	-18.22/-19.97	-18.1/-18.69	-17.55/-18	-18.72/-17.65
Θ(127.5°)	-18.09/-18.85	-19.08/-18.39	-17.42/-17.84	-19.33/-18.1	-18.25/-19.24	-17.05/-15	-17.04/-18.85	-16.27/-14.57	-14.8/-18.23	-17.85/-16.19	-15.17/-16.17	-17.23/-18.69	-18.63/-16.88	-13.41/-18.77	-18.4/-18.45	-18.91/-17.99	-18.61/-18.27	-18.31/-18.62	-18.31/-17.76	-18.54/-17.41	-19.3/-18.08	-19.36/-19.18	-18.11/-18.76	-17.94/-18.27
Θ(135°)	-19.26/-18.07	-18.49/-18.32	-18.41/-18.65	-17.81/-18.84	-18.62/-19.4	-17.82/-17.6	-17.96/-18.81	-17.17/-17.5	-17.55/-17.8	-17.71/-17.56	-17.86/-18.26	-16.74/-18.76	-18.1/-18.33	-18.61/-18.77	-18.82/-17.12	-18.42/-18.18	-18.13/-17.76	-18.56/-18.35	-19.03/-18.09	-18.62/-18.66	-18.24/-18.51	-18.23/-18.95	-17.6/-18.96	-17.42/-19.32
Θ(142.5°)	-17.7/-16.75	-17.66/-19.4	-18.21/-18.34	-18.71/-10.3	-18.79/-17.7	-18.66/-18.96	-18.28/-16.95	-16.17/-15.16	-17.31/-17.43	-17.8/-18.71	-18.16/-16.84	-18.25/-18.63	-17.88/-18.95	-17.47/-18.02	-18.25/-18.02	-17.38/-17.83	-19.07/-18.51	-19.23/-18.55	-19.06/-19.04	-17.15/-18.54	-18.29/-17.62	-17.3/-18.33	-18.97/-17.42	-16.66/-17.66
Θ(150°)	-18.76/-19.01	-18.99/-17.63	-19.25/-18.53	-17.29/-18.87	-18.93/-18.72	-17.97/-18.73	-16.03/-15.06	-18.63/-18.83	-19.46/-18.96	-19.25/-18.94	-18.24/-16.98	-18.01/-17.22	-18.51/-18.79	-18.47/-17.76	-19.07/-18.17	-17.69/-18.08	-17.79/-17.82	-19.14/-17.97	-18.92/-18.01	-18.56/-18.1	-19.02/-18.28	-17.3/-18.98	-18.78/-18.42	-18.11/-18.4
Θ(157.5°)	-18.65/-18.94	-19.44/-18.89	-17.51/-17.09	-16.92/-18.74	-18.33/-18.26	-18.58/-19.08	-17.86/-16.51	-17.52/-18.69	-18.33/-18.87	-19.17/-17.54	-18.24/-19.55	-17.77/-16.96	-17.45/-18.14	-17.88/-17.91	-18.69/-18	-18.24/-18.02	-19.84/-17.82	-18.24/-18.07	-18.22/-18.28	-19.06/-18.5	-17.3/-18.32	-18.53/-18.75	-18.47/-18.2	-17.89/-18.83
Θ(165°)	-18.73/-18.9	-17.44/-18.51	-19.25/-18.65	-18.47/-18.32	-18.46/-18.24	-18.27/-18.66	-18.5/-18.12	-17.63/-18.96	-18.27/-19.12	-18.54/-19	-18.11/-17.89	-17.65/-17.79	-18.38/-18.28	-17.99/-17.64	-17.65/-17.99	-18.22/-18	-17.96/-17.31	-17.03/-17.82	-18.79/-17.7	-18.98/-18.99	-18.31/-18.7	-18.96/-17.39	-18.31/-18.41	-18.74/-18.55
Θ(172.5°)	-19.12/-17.68	-18.72/-18.88	-18.07/-18.01	-18.61/-18.67	-18.86/-19.3	-19.55/-18.62	-18.72/-18.83	-17.54/-18.63	-17.21/-18.13	-17.24/-18.19	-18.47/-18.72	-18.81/-18.48	-17.95/-18.9	-18.2/-18.61	-18.7/-18.46	-18.1/-17.25	-18.24/-19.24	-18.03/-18.24	-18.86/-18.95	-19.2/-18.81	-18.71/-18.93	-17.61/-19.22	-18.2/-17.52	-17.71/-18.09
Θ(180°)	-17.91/-18.3	-18.87/-18.03	-18.39/-17.89	-18.76/-18.92	-19.08/-18.04	-17.98/-19.11	-18.7/-18.51	-18.03/-18.83	-17.65/-19.1	-18.67/-19.15	-17.59/-17.39	-17.37/-17.75	-18.09/-17.97	-18.74/-18.9	-18.15/-18.08	-18.84/-18.47	-17.91/-18.94	-18.1/-18.42	-18.85/-19.1	-18.21/-17.84	-18.38/-18.35	-18.75/-18.94	-19.21/-18.87	-17.91/-18.09
Freq(Hz)	6.175GPol.	ThetaAnt.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	2.28/1.1	-0.58/-2.83	-6.16/-11.61	-18.3/-12.59	-6.89/-3.38	-0.96/0.91	2.33/2.7	4.03/4.5	5.00/5.02	4.85/4.54	4.02/3.27	2.28/1.04	-0.67/-2.91	-5.98/-10.41	-14.98/-10.91	-6/-2	-0.4/-2.1	2.43/2.2	3.91/4.55	5.08/5.39	5.53/5.42	5.08/4.57	3.94/3.13	
Θ(7.5°)	1.87/0.75	-0.88/-3.17	-6.63/-12.41	-16.01/-9.39	-4.9/-1.78	0.38/1.98	3.17/4.05	4.71/5.23	5.51/5.66	5.67/5.57	5.39/5.12	4.71/4.11	3.27/2.06	0.42/-1.72	-4.78/-9.7	-19.28/-15.02	-7.42/-3.6	-1.14/0.63	1.72/2.46	3.06/3.61	4.09/4.47	4.62/4.56	4.33/3.93	3.33/2.61
Θ(15°)	2.36/1.04	-0.77/-3.01	-6.45/-11.94	-12.76/-7.31	-3.39/-0.84	1.05/2.52	3.73/4.61	5.24/5.6	5.83/5.97	6.04/5.95	5.67/5.26	4.63/3.88	3.29/2.03	0.59/-1.44	-4.33/-9.95	-18.85/-14.34	-7.22/-3.4	-0.91/0.93	2.42/3.52	4.37/4.91	5.21/5.31	5.27/5.06	4.83/4.55	4.09/3.36
Θ(22.5°)	2.3/0.55	-1.65/-4.02	-7.76/-12.49	-10.91/-6.32	-2.95/-0.52	1.25/2.55	3.54/1.8	4.71/5.13	5.38/5.48	5.43/5.27	5.03/4.54	3.79/3.01	2.28/1.23	-0.37/-2.66	-6.23/-12.19	-18.65/-11.33	-6.08/-3.14	-0.88/0.87	2.22/3.37	4.37/5.25	5.92/6.4	6.49/6.19	5.7/5.06	4.23/3.48
Θ(30°)	1.61/0.18	-2.36/-5.32	-9.01/-13.49	-13.43/-7.71	-4.08/-1.86	-0.24/0.96	1.96/2.78	3.37/3.76	4.09/4.35	4.51/4.16	3.55/2.99	2.31/1.89	1.54/0.7	-0.79/-3.38	-7.64/-15.49	-16.42/-10.29	-6.38/-3.62	-1.65/-0.11	1.06/2.16	3.49/4.84	5.8/6.25	6.3/6.07	5.64/5.92	3.8/2.72
Θ(37.5°)	0.73/-0.83	-3.66/-7.09	-10.65/-13.94	-17.79/-10.89	-6.24/-3.81	-2.45/-1.27	0.16/1.54	2.66/3.46	3.89/4.13	4.34	2.95/1.87	0.99/0.1	-1.44/-3.3	-4.98/-7.49	-11.91/-17.35	-19.21/-14.02	-10.02/-6.11	-3.41/-1.57	-0.40/4.9	1.47/2.89	4.39/5.42	5.9/5.61	4.72/3.57	2.53/1.77
Θ(45°)	-1.68/-3.1	-6.88/-9.22	-12.69/-14.76	-18.18/-18.11	-12.13/-9.67	-7.59/-4.94	-2.54/-0.39	1.34/2.36	2.85/3.3	3.69/3.47	2.37/0.89	-0.22/-2.12	-5.93/-14.69	-18.75/-18	-17.94/-17.34	-17.91/-18.87	-16.93/-9.77	-5.5/-2.9	-1.39/-0.45	0.0/65	1.92/3.22	3.99/3.88	3.14/1.85	-0.61/-0.5
Θ(52.5°)	-4.04/-5.97	-7.42/-8.74	-10.84/-13.06	-14.35/-18.19	-19.15/-18.37	-18.31/-12.56	-6.79/-3.69	-1.53/-0.06	0.99/1.58	1.81/2.5	0.08/-1.31	-3.04/-6.14	-14.17/-10.57	-9.93/-10.49	-15.69/-17.5	-18.54/-19.04	-18.18/-13.69	-8.16/-4.86	-2.32/-0.8	-0.94/-1.14	0.35/1.89	2.56/2.36	1.6/0.36	-0.69/-2.27
Θ(60°)	-6.17/-8.39	-9.18/-8.15	-8.79/-13.24	-11.28/-10.92	-9.24/-9.22	-12.62/-19.23	-12.47/-8.34	-6.41/-5.01	-3.36/-1.94	-2/-2.92	-3.82/-4.95	-7.25/-17.24	-18.04/-12.77	-7.52/-7.89	-10.59/-12.15	-17.87/-18.67	-19.34/-16.85	-11.32/-8.02	-4.47/-2.39	-2.53/-3.18	-1.78/-0.25	0.47/0.41	0.4/-0.82	-1.17/-3.06
Θ(67.5°)	-8.38/-10.36	-10.39/-9.62	-8.32/-12.87	-10.75/-8.36	-6.99/-6.39	-7.76/-16.67	-17.61/-12.18	-12.46/-11.6	-8.07/-5.27	-10.66/-4.67														



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(60°)	-4.86/-4.23	-5.67/-7.65	-7.23/-6.76	-6.92/-5.7	-6.59/-6.94	-3.11/-1.32	-3.03/-3.44	-2.82/-3.61	-8.36/-17.73	-16.73/-10.69	-5.59/-4.41	-4.48/-3.84	-2.71/-3.11	-5.43/-8.31	-9.85/-8.73	-6.77/-9.05	-10.78/-8.02	-4.31/-4.44	-5.76/-6.2	-6.44/-11.07	-16.23/-14.47	-17.78/-15.3	-9.41/-7.39	-4.82/-4.51
Θ(67.5°)	-6.68/-6.55	-6.5/-8.28	-8.15/-7.64	-7.58/-7.46	-6.89/-6.41	-2.65/-1.35	-3.87/-4.32	-2.81/-4.9	-9.24/-18.06	-16.8/-8.66	-5.58/-6.11	-6.18/-5.33	-3.76/-3.63	-6.07/-9.59	-11.7/-10.83	-8.52/-8.61	-12.19/-9.12	-7.83/-9.46	-7.27/-10.86	-15.28/-16.33	-16.82/-17.54	-18.21/-13.8	-10.95/-10.5	-6.95/-6.07
Θ(75°)	-8.56/-8.87	-8/-10.24	-8.61/-7.57	-8.33/-10.01	-8.6/-6.21	-4.37/-3.27	-5.14/-6.14	-4.01/-5.56	-10.3/-16.38	-17.93/-8.93	-6.74/-7.35	-7.11/-7.01	-6.46/-4.44	-6.75/-9.79	-14.07/-12.99	-10.38/-9.86	-14.85/-10.06	-7.76/-9.31	-8/-7.62	-11.84/-11.99	-13.73/-17.95	-18.4/-12.78	-11.91/-10.56	-7.85/-8.47
Θ(82.5°)	-12.02/-13.07	-10.49/-11.25	-10.15/-8.47	-9.54/-12.12	-9.59/-6.27	-6.44/-4.53	-6.21/-6.28	-5.83/-8.08	-12.1/-15.44	-18.93/-10.07	-9.43/-10.87	-10.05/-9.67	-8.67/-8.09	-10.68/-12.85	-18.58/-14.4	-13.38/-11.01	-18.62/-11.42	-6.61/-4.95	-8.08/-6.18	-7.28/-11.49	-13.54/-18.74	-17.1/-14.44	-13.76/-12.6	-9.72/-10.93
Θ(90°)	-14.21/-16.18	-14.41/-14	-11.08/-9.82	-12.28/-13.4	-10.79/-8.74	-8.18/-5.98	-7.14/-6.61	-7.15/-10.11	-12.53/-13.68	-19.05/-12.87	-11.87/-13.25	-12.17/-11.61	-12.38/-11.27	-13.9/-12.75	-19.19/-18.71	-14.27/-13.17	-17.54/-18.15	-9.5/-8.87	-9.78/-7.88	-7.42/-10.33	-16.25/-18.69	-18.16/-17.19	-15.82/-13.6	-14.23/-12.58
Θ(97.5°)	-16.67/-14.75	-16.68/-17.54	-13.25/-11.96	-14.67/-17.34	-13.51/-9.75	-8.13/-6.63	-9.52/-8.25	-8.99/-13.56	-11.34/-13.82	-18.32/-14.64	-12.98/-14.39	-14.38/-13.71	-12.95/-16.49	-16.15/-15.96	-18.56/-18.16	-16.16/-15.43	-13.9/-10.55	-19.67/-17.98	-11.84/-11.36	-16.77/-17.98	-17.55/-19.02	-19.32/-14.82	-15.39/-17.73	
Θ(105°)	-16.75/-15.62	-18.09/-18.14	-15/-14.17	-18.14/-18.76	-15.23/-11.13	-13.19/-13.11	-12.12/-11.77	-14.56/-15.42	-11.76/-16.16	-17.3/-14.85	-12.95/-14.69	-15.48/-15.54	-14.4/-19.03	-16.74/-18.02	-19.16/-18.89	-18.43/-16.24	-18.13/-17.16	-17.73/-18	-18.09/-18.27	-18.68/-16.77	-17.43/-18.42	-17.3/-18.03	-17.15/-17.3	-18.3/-18.78
Θ(112.5°)	-18.89/-18.47	-18.73/-17.88	-15.15/-14.48	-18.86/-17.88	-18.44/-14.99	-13.35/-11.82	-11.23/-14.92	-17/-12.48	-13.77/-18.4	-19.24/-15.08	-14.15/-14.41	-17.69/-17.71	-15.51/-17.79	-17.01/-18.54	-18.13/-17.96	-18.44/-14.52	-18.53/-16.87	-13.71/-18.94	-16.04/-14.3	-18.3/-18.39	-18.68/-19	-18.7/-18.18	-18.49/-18.02	-18.28/-18.97
Θ(120°)	-18.97/-17.64	-18.81/-19.15	-17.62/-16.84	-19.02/-19.27	-17.96/-17.07	-15.84/-16.41	-15.91/-17.69	-16.08/-12.04	-14.58/-18.28	-18/-15.64	-14.94/-16.2	-19.34/-17.2	-17.88/-19.06	-17.62/-18.78	-18/-17.37	-17.94/-15.87	-19.07/-18.81	-15.37/-19.03	-18.06/-16.48	-19.07/-18.81	-19.03/-18.18	-18.77/-18.68	-17.49/-17.71	-19.09/-18.33
Θ(127.5°)	-18.17/-17.59	-18.43/-19.16	-19.92/-18.83	-17.75/-19.21	-17.46/-18.52	-18.76/-19.09	-18.8/-18.18	-15.52/-15.71	-17/-18.12	-17.45/-15.75	-15.16/-17.27	-17.84/-18.46	-19.17/-18.09	-17.87/-18.05	-18.39/-18.44	-17.57/-17.81	-17.1/-17.46	-17.51/-18.48	-18.2/-16.84	-17.58/-18.99	-18.67/-17.64	-18.61/-17.43	-18.84/-19.32	-17.82/-18.36
Θ(135°)	-17.46/-16.49	-13.09/-18.52	-18.22/-17.27	-18.41/-17.35	-19.23/-18.54	-17.7/-14.61	-18.29/-18.22	-19.05/-18.05	-16.45/-19.03	-17.18/-18.19	-17.88/-18.5	-17.49/-18.81	-18.83/-18.2	-18.96/-18.56	-19.12/-17.46	-18.49/-14.51	-18.02/-18.8	-14.63/-14.99	-14.86/-18.58	-19.42/-18.95	-17.44/-19.7	-18.34/-18.95	-18.26/-18.66	-17.53/-18.64
Θ(142.5°)	-18.39/-18.45	-18.59/-18.37	-18.67/-17.89	-19.36/-18.08	-19.75/-18.17	-18.26/-19.1	-19/-18.1	-17.67/-15.56	-17.68/-18.7	-17.62/-18.2	-17.22/-19.3	-18.5/-19.27	-18.48/-15.44	-18.12/-18.86	-19.07/-17.66	-18.81/-19.5	-13.75/-19.26	-17.5/-18.36	-19.45/-18.89	-18.45/-17.27	-18.14/-18.54	-19.24/-17.77	-17.78/-18.21	
Θ(150°)	-19.15/-18.74	-19.1/-18.9	-18.24/-18.95	-19.1/-17.91	-19.36/-18.74	-17.7/-16.38	-16.4/-18.97	-18.13/-18.81	-18.4/-18.41	-18.4/-18.24	-18.69/-19.68	-18.48/-18.06	-16.23/-14.91	-18.85/-14.91	-15.69/-17.96	-19.12/-17.97	-18.3/-19.04	-19.39/-19.11	-18.8/-17.93	-18.02/-18.18	-18.14/-18.91	-19.13/-18.12	-17.99/-18.86	-16.97/-18.05
Θ(157.5°)	-18.23/-19.29	-18.96/-18.97	-18.73/-18.68	-16.91/-16.9	-16.26/-18.77	-17.14/-19.23	-17.3/-17.3	-18.27/-18.81	-18.48/-19.03	-18.2/-18.69	-18.79/-18.56	-19.44/-18.02	-18.82/-18.3	-19.38/-15.16	-18.18/-18.91	-19.43/-18.92	-18.43/-18.71	-16.42/-18.85	-19/-18.22	-18.43/-17.98	-19.18/-17.89	-18.26/-19.01	-18.02/-17.6	
Θ(165°)	-17.82/-17.83	-18.56/-18.08	-18.39/-18.17	-17.95/-17.83	-15.41/-15.98	-17.18/-16.52	-17.6/-17.32	-16.95/-10.7	-16.64/-18.13	-17.92/-17.47	-19.19/-18.95	-18.16/-19.04	-18.94/-18.25	-17.64/-18.16	-18.32/-17.96	-18.14/-18.68	-18.36/-17.97	-18.57/-18.49	-18.1/-18.34	-18.74/-18.01	-19.08/-19.26	-17.99/-18.82	-18.43/-18.98	-18.35/-18.31
Θ(172.5°)	-18.86/-18.29	-18.71/-18.64	-18.52/-17.32	-17.71/-18.34	-18.42/-18.82	-17.98/-18.94	-18.23/-18.92	-18.86/-19.3	-17.57/-17.26	-17.81/-18	-18.85/-18.29	-16.84/-16.2	-18.03/-18.11	-18.78/-18.83	-18.31/-18.44	-18.42/-17.9	-19.04/-17.29	-17.56/-18.6	-19.08/-18.44	-18.5/-19.26	-18.83/-18.19	-18.89/-17.93	-18.08/-17.87	-18.44/-18
Θ(180°)	-18.01/-16.64	-16.34/-16.82	-17.65/-18.05	-18.08/-18.51	-17.87/-17.98	-18.94/-18.38	-19.14/-18.16	-18.76/-18.21	-18.55/-17.19	-19.04/-17.46	-18.16/-17.7	-18.26/-17.15	-18.05/-18.48	-17.57/-18.51	-18.67/-17.34	-19.22/-18.97	-18.89/-18.48	-18.6/-18.65	-17.69/-19.14	-18.81/-17.8	-19.21/-19.2	-18.34/-18.81	-18.63/-17.38	-17.89/-18.37
Freq(Hz)	6.695GPol.	Theta/Ant. 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	3.82/39	0.45/-1.93	-5.21/-9.76	-11.25/-6.47	-2.67/0.03	2.03/3.53	4.64/5.5	6.15/6.54	6.81/9.92	6.91/6.75	6.52/6.19	5.66/4.85	3.69/2.2	0.18/-2.65	-7.01/-14.21	-12.4/-5.84	-1.99/0.51	2.28/0.66	4.72/5.6	6.21/6.71	6.99/7.15	7.19/7.09	6.86/6.31	5.66/4.77
Θ(7.5°)	3.11/85	0.15/-2.15	-5.76/-12.71	-18.61/-9.1	-3.97/-0.75	1.46/3.27	4.65/6.69	6.49/6.99	7.32/4.45	7.49/7.39	7.17/6.81	6.36/5.22	4.07/2.5	0.49/-2.28	-6.23/-9.65	-7.36/-3.98	-0.51/6.5	3.13/4.24	5.09/5.6	5.96/5.36	5.76/4.05			
Θ(15°)	2.41/53	0.03/-1.97	-5.04/-10.24	-18.61/-12.32	-5.9/-2.38	0.11/2.11	3.59/4.71	5.56/6.1	6.4/6.5	6.58/6.55	6.4/6.1	5.53/4.64	3.37/1.73	-0.31/-2.7	-5.55/-8.25	-7.12/-3.79	-0.82/-1.38	2.93/3.84	4.32/4.59	4.59/4.69	4.84/4.86	4.88/4.96	4.84/4.38	3.78/3.11
Θ(22.5°)	1.21/19	-0.9/-2.96	-6.02/-10	-13.44/-9.41	-5.45/-2.44	-0.1/-1.48	2.79/3.54	4.11/4.52	4.86/5.27	5.51/5.44	5.24/4.88	4.25/3	1.13/-1.44	-4.76/-8.4	-11.15/-3.94	-6.29/-3.7	0.92/-1.56	1.94/2.35	2.93/3	4.34/4.85	4.99/4.89	4.58/4.1	3.49/2.5	
Θ(30°)	-0.57/-2.25	-3.4/-4.64	-6.31/-8.37	-9.04/-7.52	-0.09/-3.21	-1.85/-0.8	0.29/1.44	2.34/3.03	3.64/0.1	4.18/4.17	3.87/3.32	2.22/0.63	1.73/-5.66	-1.31/-19.49	-3.38/-8.12	-3.32/-3.75	-2.5/-1.84	-1.27/-0.48	0.54/-1.59	2.67/3.61	4.37/5.03	5.33/3.36	5.03/4.22	3.15/-1.59
Θ(37.5°)	-2.68/-5.04	-5/-4.96	-5.19/-6.85	-8.92/-9.8	-8.72/-7.05	-6.19/-5.27	-3.4/-1.09	0.96/2.27	2.88/3.06	3.09/2.75	1.88/0.39	-1.49/-2.97	-4.42/-7.01	-9.98/-11.42	-12.4/-10.87	-7.88/-6.64	-6.23/-5.89	-5.29/-4.07	-1.71/0.71	2.56/3.87	4.64/8.7	4.98/4.62	3.94/3.08	1.83/-0.28
Θ(45°)	-3.18/-2.67	-8.84/-7.36	-5.83/-6.42	-8.99/-11.04	-11.29/-9.21	-7.35/-6.62	-5.75/-3.66	-1.30/-4.5	1.54/-1.53	1.44/-1.06	0.31/-1.81	-4.16/-5.18	-5.67/-5.14	-4.84/-5.28	-8.37/-9.69	-10.37/-12.7	-12.78/-17.42	-9.27/-5.49	-2.28/0.05	2.03.1	3.17/2.97	2.71/2.53	2.23/-1.86	0.97/-0.22
Θ(52.5°)	-2.84/-6.81	-10.24/-8.37	-6.17/-7.3	-8.46/-8.91	-9.11/-6.08	-6.64/-6.69	-7.34/-6.47	-4.67/-2.67	-1.82/-2.29	-2.43/-2.15	-3.41/-6.64	-8.37/-7.11	-6.1/-3.9	-3.03/-4.13	-7.62/-7.77	-10.41/-11.79	-12.38/-13.42	-9.37/-4.85	-2.22/0.34	-1.85/-2.46	1.79/-1.56	1.47/0.88	0.60/9.1	0.12/-0.33
Θ(60°)	-2.92/-6.63	-9.26/-6.99	-5.66/-8.89	-7.72/-6.08	-5.65/-5.13	-5.44/-7.63	-13.8/-12.67	-9.84/-8.39	-7/-8.26	-8.85/-6.75	-8.86/-13.87	-14.79/-13.55	-9.09/-4.71	-3.75/-4.01	-5.94/-8.22	-8.85/-12.12	-14.56/-11.5	-8.43/-5.84	-3.48/-1.71	-0.86/-0.56	-0.48/-0.44	0.39/-0.06	-0.9/-0.96	-1.71/-1.8
Θ(67.5°)	-6.43/-8.08	-10.77/-6.92	-6.18/-10.54	-10.23/-6.07	-4.47/-6.09	-5.08/-6.16	-19.17/-15.94	-11.12/-11.34	-14.25/-13.89	-13.71/-12.78	-16.59/-18.27	-18.59/-18.1	-8.32/-4.24	-4.61/-2.79	-7.78/-9.18	-8.85/-15.1	-11.58/-10.1	-6.81/-7.8	-7.19/-4.12	-1.96/-2.06	-1.56/-1.92	-1.32/-1.38	-2.13/-2.71	-3.36/-5.22
Θ(75°)	-13.01/-9.03	-10.81/-8.73	-8.11/-13.25	-10.69/-5.6	-5.04/-8.11	-7.26/-9.87	-13.83/-11.51	-10.59/-12.29	-13.63/-10.59	-10.71/-12.79	-17.92/-15.55	-7.99/-4.69	-5.59/-10.52	-8.43/-12	-12.09/-18.17	-9.73/-10.04	-7.79/-10.09	-11.68/-7.92	-2.73/-2.34	-3.34/-4.55	-3.74/-3.13	-3.62/-5.16	-5.23/-11.31	
Θ(82.5°)	-18.07/-12.41	-10.43/-10.33	-10.47/-16.13	-12.57/-6.94	-7.95/-9.38	-8.32/-7.99	-9.23/-8.52	-8.01/-13.04	-11.83/-9.11	-9.83/-11.91	-11.48/-15.34	-16.83/-10.38	-5.36/-4.72	-7.58/-14.46	-9.19/-13.03	-13.43/-18.39	-8.77/-10.11	-9.72/-15.55	-15.94/-10.7	-3.62/-2.56	-4.46/-6.73	-6.46/-6.88	-5.69/-9.44	-7.59/-15.93
Θ(90°)	-18.18/-15.22	-10.8/-12.2	-15.35/-17.62	-14.58/-8.39	-10.76/-11.94	-6.78/-8.1	-8.69/-8.62	-7.53/-12.56	-10.77/-9.11	-10.53/-11.46	-9.5/-14.99	-14.25/-8.81	-5.7/-5.8	-7.77/-18.03	-11.48/-11.54	-12.71/-18.14	-11.11/-9.83	-13.21/-18.44	-14.17/-11.74	-6.14/-4.95	-7.13/-9.32	-10.12/-6.36	-7.88/-14.22	-10.46/-19.7
Θ(97.5°)	-18.81/-15.46	-11.86/-14.71	-15.12/-17.02	-17.14/-9.74	-13.28/-12.54	-6.38/-8.85	-8.89/-9.07	-8.16/-14.36	-11.67/-10.47	-13.15/-11.38	-9.34/-12.98	-11.62/-8.12	-6.93/-7.26	-8.83/-10.65	-13.07/-11.67	-12.02/-18.56	-16.26/-12.63	-17.64/-18.87	-14.91/-16.32	-11.52/-10.37	-10.45/-11.29	-13.29/-8.65	-9.92/-14.08	-13.77/-17.92
Θ(105°)	-14.74/-13.29	-12.66/-14.63	-16.17/-18.57	-13.53/-11.23	-14.75/-11.89	-8.1/-9.97	-11.21/-10.78	-11.12/-13.53	-12.73/-15.78	-14.39/-11.14	-10.61/-14.09													



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(112.5°)	-14.67/-14.64	-14.71/-15.69	-17.94/-18.55	-17.82/-18.04	-18.87/-16.57	-15.34/-14.53	-13.84/-15.79	-18.48/-18.56	-18.68/-19.07	-18.15/-17.82	-18.85/-18.18	-16.29/-18.8	-17.8/-18.94	-19.05/-19.01	-18.18/-18.74	-18.65/-18.78	-17.76/-18.84	-18.93/-18.17	-18.27/-17.75	-16.91/-18.42	-18.67/-17.77	-17.73/-18.26	-19.54/-18	-17.5/-15.83
Θ(120°)	-15.88/-17.81	-17.62/-18.94	-17.69/-17.52	-18.34/-17.86	-18.45/-18.73	-18.54/-16.72	-17.44/-17.8	-18.94/-18.12	-19.33/-17.42	-17.23/-18.17	-17.99/-18.17	-18.89/-16.85	-18.32/-18.33	-19.33/-18.94	-18.11/-18.6	-17.32/-19.02	-18.27/-17.22	-18.53/-18.54	-17.32/-15.57	-18.75/-18.02	-17.76/-19.34	-17.96/-19	-18.1/-18.07	-18.88/-16.53
Θ(127.5°)	-18.88/-19.4	-18.26/-19.21	-19.14/-18.67	-18.68/-18.78	-18.42/-18.18	-17.97/-19.4	-17.38/-18.44	-18.56/-18.19	-18.39/-19.26	-18.72/-18.04	-18.68/-18.15	-17.98/-18.2	-17.71/-18	-17.68/-17.97	-18.23/-19.1	-17.51/-18.66	-19.17/-2	-18.61/-18.52	-17.36/-18.02	-17.43/-17.34	-18.55/-18.43	-17.52/-19.01	-18.2/-18.77	-18.54/-18.19
Θ(135°)	-17.58/-17.6	-18.93/-17.77	-16.29/-17.66	-19.09/-19	-18.17/-18.08	-16.29/-16.72	-18.57/-17.67	-17.94/-19.47	-18.4/-19.27	-18.44/-17.77	-19.08/-17.85	-17.55/-18.21	-17.58/-17.64	-17.6/-18.84	-19.05/-18.05	-17.46/-18.32	-18.61/-18.99	-17.92/-18.62	-17.2/-18.35	-19.09/-17.73	-18.91/-18.66	-19.54/-19.13	-18.56/-19.16	-18.41/-17.93
Θ(142.5°)	-17.98/-19.2	-19.31/-18.24	-18.7/-17.93	-18.8/-18.38	-18.07/-18.32	-18.95/-18.9	-17.84/-17.56	-18.2/-18.47	-18.19/-17.61	-18.33/-19.31	-17.88/-18.97	-18.61/-18.97	-18.69/-18.65	-18.64/-17.31	-19.07/-17.32	-17.77/-17.75	-18.66/-18.25	-18.97/-18.47	-17.55/-17.35	-17.84/-17.15	-17.73/-17.62	-18.13/-19.43	-18.26/-18.65	-18.33/-18.16
Θ(150°)	-17.5/-18.81	-17.7/-19.03	-18.81/-17.93	-18.14/-18.32	-19.09/-17.9	-18.5/-16.63	-17.59/-18.83	-18.81/-18.84	-18/-18.02	-17.93/-19.06	-17.95/-18.65	-17.67/-18.13	-17.9/-17.61	-18.56/-18.87	-17.15/-17.81	-18.16/-18.17	-19.23/-19.15	-17.9/-19.12	-18.07/-18.37	-17.73/-18.59	-17.49/-18.65	-17.69/-17.8		
Θ(157.5°)	-18.92/-19.28	-18.34/-18.99	-17.82/-18.39	-17.93/-18.31	-18.7/-19.19	-17.51/-17.39	-18.65/-18.51	-18.87/-18.84	-18.71/-18.05	-18.5/-17.86	-18.14/-18.55	-18.8/-18.9	-17.71/-17.73	-19/-18.74	-18.99/-18.91	-19.05/-17.69	-19.14/-18.36	-18.29/-18.44	-18.78/-18.09	-18.44/-18.7	-18.94/-18.02	-17.68/-18.87	-18.85/-18.63	-18.14/-18.38
Θ(165°)	-18.58/-17.34	-18.53/-19.04	-18.61/-19.07	-18.19/-17.59	-17.76/-19.13	-19.34/-17.35	-19.07/-19.18	-18.73/-18.73	-17.92/-19.04	-18.46/-18.59	-18.83/-17.17	-18.55/-18.03	-19.37/-17.24	-19.13/-18.36	-17.56/-17.52	-19.05/-17.99	-17.27/-17.75	-18.15/-19.03	-18.65/-17.16	-17.74/-17.06	-18.87/-18.1	-18.45/-18.2	-18.64/-18.9	-18.6/-17.91
Θ(172.5°)	-18.1/-18.37	-18.63/-18.67	-18.58/-17.43	-18.72/-18.28	-17.97/-18.69	-18.8/-17.58	-17.09/-17.04	-17.44/-17.88	-18.41/-19.21	-18.76/-18.85	-18.73/-18.22	-18.44/-18.18	-18.61/-17.63	-18.48/-18.59	-18.2/-18.93	-19.04/-17.45	-16.58/-16.63	-17.48/-19.4	-18.4/-18.18	-17.87/-18.24	-17.79/-18.63	-17.83/-17.34	-17.98/-17.46	-17.35/-18.36
Θ(180°)	-18.91/-18.07	-18.89/-19.21	-18.02/-18.49	-18.3/-18.3	-19.02/-18.12	-18.74/-17.51	-17.88/-18.64	-18.53/-18.52	-18.25/-18.3	-18.41/-18.56	-19.12/-18.02	-18.82/-17.98	-18.71/-19.05	-17.32/-17.96	-17.8/-18	-19.01/-19.17	-18.25/-18.92	-18.29/-19.27	-18.23/-17.14	-16.65/-16.31	-15.95/-16.38	-18.12/-18.42	-18.98/-18.93	-18.18/-17.44
Freq(Hz)	5.6GPol.	ThetaAnt.2	+	-	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gain	Φ(0°)Φ(7.5°)	Φ(15°)Φ(22.5°)	Φ(30°)Φ(37.5°)	Φ(45°)Φ(52.5°)	Φ(60°)Φ(67.5°)	Φ(75°)Φ(82.5°)	Φ(90°)Φ(97.5°)	Φ(105°)Φ(112.5°)	Φ(120°)Φ(127.5°)	Φ(135°)Φ(142.5°)	Φ(150°)Φ(157.5°)	Φ(165°)Φ(172.5°)	Φ(180°)Φ(187.5°)	Φ(195°)Φ(202.5°)	Φ(210°)Φ(217.5°)	Φ(225°)Φ(232.5°)	Φ(240°)Φ(247.5°)	Φ(255°)Φ(262.5°)	Φ(270°)Φ(277.5°)	Φ(285°)Φ(292.5°)	Φ(300°)Φ(307.5°)	Φ(315°)Φ(322.5°)	Φ(330°)Φ(337.5°)	Φ(345°)Φ(352.5°)
Θ(0°)	4.19/5.05	5.73/6.19	6.48/6.61	6.57/6.38	6.09/5.69	5.21/4.5	3.42/1.83	-0.37/-3.01	-6.96/-14.46	-18.65/-8.47	-3.84/-1.01	0.97/2.5	3.67/4.56	5.25/5.76	6.13/6.33	6.35/6.23	5.94/5.4	4.63/3.71	2.53/1.19	-0.73/-3.5	-7.9/-18.33	-15.76/-7.52	-3.27/-0.56	1.44/3.04
Θ(7.5°)	3.22/4.14	4.73/5.11	5.37/5.47	5.45/5.28	5.01/4.59	4.07/3.51	2.65/1.36	-0.48/-3.06	-6.9/-14.31	-18.23/-8.98	-4.01/-1	1.14/2.84	4.11/5.15	5.92/6.52	6.92/7.11	7.08/6.89	6.53/5.95	5.14/4.1	2.79/1.24	-0.8/-3.66	-7.96/-18.08	-17.12/-8.33	-4.02/-1.36	0.63/2.1
Θ(15°)	1.63/2.53	3.03/3.42	3.56/3.61	3.71/3.75	3.61/3.26	2.81/2.28	1.46/0.22	-1.55/-4.15	-8.04/-15.1	-18.34/-11.31	-5.97/-2.63	-0.27/1.54	2.93/4.13	5.16/5.98	6.51/6.78	6.78/6.56	6.09/5.37	4.36/3.14	1.68/-0.08	-2.32/-5.25	-14.43/-10.68	-6.27/-3.46	-1.36/0.31	
Θ(22.5°)	-0.50/6.4	1.44/1.95	2.36/2.68	2.87/2.82	2.62/2.31	1.84/1.07	-0.13/-1.87	-4.33/-7.41	-11.84/-19.22	-18.86/-12.74	-7.95/-4.01	-1.29/0.57	2.17/3.56	4.51/5.13	5.49/5.7	5.83/5.76	5.41/4.69	3.62/1.8	0.44/-1.62	-4.15/-7.42	-11.74/-17.57	-19.32/-13.51	-9.08/-6.27	-3.95/-2.16
Θ(30°)	-0.94/0.54	1.69/2.31	2.83/3.2	3.43/3.48	3.41/3.99	2.16/0.93	-0.98/-3.75	-7.72/-12.47	-17.29/-18.36	-18.18/-12.94	-8.35/-4.49	-1.88/-0.09	1.52/7.8	3.58/4.17	4.69/5.21	5.33/5.48	5.04/4.15	2.79/1.08	-0.83/-2.87	-5.43/-8.7	-13.35/-18.2	-19.14/-17.67	-12.33/-8.69	-5.51/-2.82
Θ(37.5°)	0.03/1.36	2.36/3.01	3.59/4.11	4.56/4.72	4.43/3.69	2.73/1.34	-0.73/-3.69	-1.73/-13.17	-18.35/-17.54	-15.33/-10.91	-8.27/-5.74	-3.67/-2.16	-4.03/-1.2	2.41/3.34	3.83/6.68	5.47/5.44	0.88/-1.41	-4.34/-7.47	-10.04/-12.53	-16.98/-18.81	-19.17/-18.72	-14.66/-8.84	-4.53/-1.67	
Θ(45°)	1.41/0.17	1.41/2.21	2.99/3.7	4.33/4.3	3.77/2.81	1.63/0.21	-1.47/-3.7	-6.72/-10.89	-16.87/-17.85	-15.92/-10.93	-8.24/-6.67	-4.88/-3.44	-1.63/0.14	1.63/2.67	2.82/3.38	2.32/2.22	1.91/1.11	-0.46/-2.36	-4.34/-6.72	-9.61/-13.08	-16.9/-19.13	-17.92/-18.24	-16.27/-10.54	-5.95/-2.87
Θ(52.5°)	-4.55/-2.62	-1.04/0.04	0.85/1.74	2.29/2	1.42/0.53	-0.73/-2.78	-5.55/-6.38	-9.46/-10.09	-13.11/-18.42	-14.91/-10.57	-6.65/-4.38	-3.26/-2.64	-2.08/-0.76	0.53/1.52	1.25/0.8	0.67/0.86	0.48/-0.83	-2.74/-4.5	-5.6/-6.84	-9.21/-19	-12.02/-13.85	-12.92/-10.85	-12.66/-15.2	-10.75/-7.35
Θ(60°)	-7.22/-6.68	-4.31/-3.02	-1.97/-1.08	-0.77/-1.63	-0.29/-3.86	-5.09/-7.28	-11.37/-16.28	-16.28/-14.7	-14.77/-16.53	-14.47/-16.92	-6.19/-4.08	-3.71/-4.4	-4.39/-3.85	-2.04/-0.42	-0.68/-2.11	-3.29/-2.1	-4.88/-6.74	-8.01/-10.91	-13.46/-14.54	-10.97/-8.76	-9.44/-12	-13.66/-10.47		
Θ(67.5°)	-10.68/-13.06	-8.95/-5.56	-3.8/-3.37	-3.27/-5.18	-6.89/-8.74	-11.09/-12.8	-15.24/-12.49	-11.71/-13.88	-18.81/-16.81	-13.96/-9.92	-7.46/-6.82	-7.65/-8.9	-8.79/-6.62	-4.53/-2.79	-3.25/-5.98	-9.47/-6.43	-4.19/-4.34	-6.17/-7.9	-8.08/-7.09	-7.38/-11.86	-14.35/-16.1	-10.75/-8.41	-8.64/-8.34	-9.1/-8.66
Θ(75°)	-14.04/-17.73	-10.86/-6.45	-5.14/-5.46	-5.71/-7.76	-8.06/-10.23	-16.23/-19	-15.68/-10.97	-8.87/-10.22	-16.17/-18.22	-14.64/-12.03	-9.52/-9.74	-12.86/-18	-13.95/-12.41	-8.78/-7.86	-6.98/-9.71	-14.45/-10.92	-6.62/-7.89	-10.38/-8.5	-8.43/-12.42	-19.28/-15.18	-10.43/-8.1	-17.82/-6.95	-8.71/-9.34	
Θ(82.5°)	-16.62/-18.17	-10.25/-17.22	-6.33/-4.44	-6.87/-8.14	-7.84/-10	-18.94/-17.49	-15.23/-10.29	-8.01/-9.25	-13.94/-14.97	-15.42/-15.93	-13.81/-14.89	-18.29/-17.92	-18.02/-12.66	-10.52/-12.5	-13.78/-19.22	-18.15/-32	-6.00/1.94	-7.86/-8.95	-11.12/-14.5	-17.44/-13.08	-10.78/-9.9	-9.38/-7.85	-8.74/-11.82	
Θ(90°)	-17.3/-16.55	-11.47/-7.6	-6.45/-7.21	-8.65/-10.25	-8.9/-11.03	-16.77/-17.23	-15.91/-11.08	-7.44/-8.26	-14.03/-15.07	-17.8/-17.51	-15.1/-18.46	-18.95/-19.24	-16.33/-13.26	-12.16/-14.26	-16.46/-18.4	-17.97/-17.26	-14.3/-10.51	-11.05/-11.27	-15.21/-13.33	-14.34/-18.51	-18.39/-13.38	-12.34/-11.84	-9.84/-8.38	-8.84/-12.99
Θ(97.5°)	-17.57/-18.01	-10.42/-7.69	-6.93/-7.69	-10.2/-10.47	-9.26/-11.85	-14.42/-13.48	-14.71/-11.14	-8.59/-17.9	-13.11/-14.34	-19.02/-17.6	-15.95/-17.69	-18.5/-19.03	-18.89/-15.54	-17.06/-16.55	-16.88/-17.68	-16.89/-18.33	-18.42/-14.96	-16.57/-17.72	-17.89/-16.06	-19.26/-17.78	-17.47/-16.83	-14.7/-15.39	-11.87/-8.38	-8.39/-12.41
Θ(105°)	-12.19/-17.93	-16.34/-19.01	-9.86/-10.99	-13.11/-10.9	-10.34/-13.43	-14.73/-14.51	-15.59/-12.54	-11.25/-12.5	-12.62/-14.19	-18.71/-18.34	-17.31/-17.63	-19.11/-17.76	-16.59/-15.65	-16.56/-18.2	-18.74/-19.21	-18.82/-18.43	-17.35/-17.21	-17.99/-19.27	-17.33/-19.62	-18.83/-17.97	-17.9/-17.65	-15.95/-14.77	-13.56/-12.52	-9.42/-10.58
Θ(112.5°)	-14.55/-14.14	-14.61/-15.78	-16.26/-17.16	-13.08/-11.07	-11.75/-15.38	-15.33/-16.31	-16.53/-13.09	-12.87/-15.11	-14.33/-18.55	-18.11/-16.92	-18.57/-18.03	-18.19/-18.05	-17.04/-16.91	-15.67/-18.16	-18.19/-18.77	-18.33/-18.14	-16.93/-15.26	-16.02/-17.96	-19.8/-18.55	-17.89/-18.08	-17.42/-18.25	-16.28/-13.17	-14.81/-17.39	-15.4/-13.26
Θ(120°)	-17.99/-14.1	-12.69/-13.08	-12.76/-12.37	-13.02/-14.42	-17.74/-17.66	-16.15/-15.71	-17.71/-16.38	-15.89/-15.44	-15.65/-18.9	-17.82/-17.81	-18.52/-19.16	-17.8/-18.13	-19.1/-17.78	-15.45/-18.61	-19.24/-18.06	-18.6/-18.39	-17.15/-16.96	-17.87/-18.46	-19.04/-18.77	-18.31/-17.97	-17.95/-18.76	-14.89/-18.46	-12.97/-13.73	-17.98/-19.46
Θ(127.5°)	-18.86/-18.21	-14.94/-14.45	-14.27/-15.73	-15.02/-15.78	-14.75/-15.5	-17.72/-19.68	-16.67/-16.2	-18.35/-16.8	-17.03/-19.16	-18.26/-17.89	-19.06/-17.99	-18.54/-19.1	-19.08/-17.97	-19.25/-18.07	-18.87/-18.5	-19.36/-18.72	-17.11/-17.59	-17.39/-18.58	-17.67/-18.1	-18.03/-18.72	-18.53/-17.54	-15.28/-18.7	-15.17/-15.36	-15.81/-15.25
Θ(135°)	-14.81/-13.93	-17.29/-17.53	-18.62/-15.22	-14.46/-15.29	-18.46/-17.84	-17.27/-17.57	-18.85/-18.88	-18.33/-16.73	-17.94/-19.22	-18.43/-17.24	-18.81/-18.93	-18.1/-18.9	-18.1/-19.2	-18.94/-18.79	-17.27/-19.06	-18.31/-18.92	-18.23/-17.25	-19.1/-19.01	-18.15/-18.73	-19.3/-17.89	-19.07/-18.44	-16.1/-15.22	-17.12/-18.94	-18.93/-14.89
Θ(142.5°)	-18.03/-17.5	-18.76/-17.31	-14.22/-13.78	-13.82/-15.86	-17.35/-16.59	-17.73/-18.09	-18.14/-18.17	-17.64/-18.46	-19.02/-18.65	-17.56/-18.86	-17.26/-18.65	-19.17/-19.25	-18.74/-18.94	-19.07/-17.57	-18.53/-17.34	-17.91/-19.17	-18.88/-17.39	-18.01/-18.91	-18.57/-18.46	-18.4/-18.63	-18.38/-18.46	-18.67/-17.73	-14.45/-14.36	-17.05/-18.39
Θ(150°)	-18.87/-18.44	-17.83/-18.07	-19.38/-17.47	-16.92/-16.12	-15.4/-15.73	-18.41/-18.02	-18.68/-19.19	-18.4/-18.28	-17.12/-18.63	-18.92/-19.15	-16.06/-14.61	-14.95/-17.38	-18.73/-18.16	-18.17/-17.11	-16.18/-15.73	-17.7/-18.77	-18.67/-19.29	-18.02/-18.7	-18.09/-18.74	-17.92/-1				



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(150°)	-15.27/-18.85	-17.82/-18	-19.21/-18.96	-19.01/-18.38	-18.83/-18.14	-17.32/-17.28	-17.64/-18.83	-17.93/-19.04	-18.97/-17.85	-18.03/-18.21	-18.01/-17.85	-17.74/-17.47	-18.52/-18.03	-17.29/-18.61	-19.12/-17.26	-18.64/-19.04	-17.45/-17.52	-17.25/-19.13	-18.78/-19.36	-17.16/-17.3	-18.47/-16.74	-15.42/-17.88	-19.21/-17.15	-16.74/-14.81
Θ(157.5°)	-16.19/-17.71	-18.18/-17.69	-17.88/-18.01	-18.13/-18.97	-18.09/-19.32	-18.5/-18.96	-18.81/-17.44	-18.18/-18.41	-18.02/-18.85	-18.44/-17.98	-18.4/-18.73	-18.52/-19.34	-17.68/-18.35	-19.02/-18.63	-18.7/-17.2	-18.93/-18.38	-18.16/-19.09	-19.05/-18.2	-18.06/-18.42	-18.3/-18.04	-19.16/-18.32	-18.67/-17.95	-18.04/-18.18	-18.05/-17.42
Θ(165°)	-16.52/-17.64	-18.89/-18.83	-18.08/-17.42	-18.49/-17.84	-19.02/-18.76	-18.49/-17.11	-18.23/-17.63	-15.43/-14.49	-15.62/-17.92	-17.57/-18.62	-19.09/-18.72	-17.2/-18.63	-18.2/-18.52	-18.4/-19.02	-18.66/-17.55	-17.92/-17.9	-18.83/-17.88	-18.59/-17.85	-18.28/-17.63	-18.29/-12.62	-17.74/-10.8	-18.99/-18.31	-17.7/-18.25	-19.33/-17.56
Θ(172.5°)	-18.36/-18.49	-18.92/-18.93	-18.54/-18.22	-18.72/-17.51	-18.85/-19.2	-18.62/-18.65	-19.44/-17.07	-14.78/-14.98	-16.57/-18.97	-18.8/-17.87	-18.29/-18.61	-17.26/-17.24	-19.2/-19.05	-18.22/-19.02	-18.31/-18.95	-19.35/-19.17	-19.13/-19.25	-17.79/-19.45	-18.45/-18.37	-19.03/-18.8	-18.48/-18.32	-17.49/-18.64	-18.29/-19.01	-18.35/-18.94
Θ(180°)	-14.69/-15.09	-16.25/-17.28	-18.29/-19.19	-18.17/-19.11	-18.18/-17.98	-19.57/-18.87	-17.57/-16.93	-16.38/-16.09	-16.74/-18.12	-18.92/-18.61	-19.1/-18.56	-18.57/-18.3	-17.79/-19.18	-19.2/-18.04	-18.89/-18.34	-19.34/-18.75	-17.87/-18.52	-19.21/-19.21	-18.7/-18.03	-17.49/-16.87	-16.38/-15.86	-15.82/-16.93	-17.06/-16.58	-15.28/-14.78
Freq(Hz)	6.175GPol.	Theta/Ant. 2					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	2.833.72	4.5/0.2	5.4/5.61	5.675/5.4	5.284/7.9	4.183/44	2.51/1.3	-0.32/-2.45	-5.75/-10.77	-16.3/-10.53	-5.71/-2.49	-0.23/1.51	2.83/87	4.725/33	5.68/5.82	5.765/57	5.214/81	4.333/72	2.71/21	-0.91/-3.56	-7.21/-13.15	-15.58/-9.18	-4.74/-1.98	0.08/1.7
Θ(7.5°)	2.463/0.5	4.334/95	5.415/67	5.765/69	5.445/02	4.443/62	2.61/29	-0.34/-2.67	-6.2/-11.88	-15.76/-8.98	-4.59/-1.68	0.32/1.8	3.013/98	4.695/16	5.415/45	5.385/16	4.914/64	4.34/39	3.05/173	-0.12/-2.69	-6.29/-12.62	-17.74/-10.8	-5.69/-2.6	-0.42/-1.23
Θ(15°)	1.332/4	3.354/09	4.695/08	5.295/32	5.134/69	3.953/16	2.281/09	-0.48/-2.93	-6.82/-13.35	-15.02/-7.65	-3.33/-0.73	0.98/2.4	3.7/4.2	4.6/4.86	5.145/43	5.555/48	5.184/77	4.273/71	3.032/11	0.78/-1.06	-3.7/-8.41	-19.58/-15.94	-7.48/-3.85	-1.40/-2
Θ(22.5°)	0.26/1.53	2.633/41	3.984/43	4.74/4.9	4.7/4.16	3.352/43	1.380/16	-1.52/-3.99	-7.85/-13.35	-13.39/-6.89	-2.76/-0.44	1.11/2.42	3.23/58	4.134/75	5.245/41	5.184/81	4.353/71	2.84/1.81	0.77/-0.15	-1.13/-2.56	-4.6/-8.14	-15.67/-18.49	-10.18/-5.31	-2.38/-0.91
Θ(30°)	-0.50/5.7	1.672/48	3.233/96	4.444/59	4.494/03	3.031/66	0.29/-1.04	-2.42/-4.32	-7.32/-12.08	-14.12/-9.59	-5.33/-3.05	-1.06/1.04	1.92/69	3.554/19	4.64/5	5.14/56	3.482/23	1.150/34	-0.57/-1.42	-1.91/-2.32	-5.33/-6.51	-10.49/-19.36	-13.08/-6.83	-3.71/-8.1
Θ(37.5°)	-1.36/0.21	1.332/56	3.684/33	4.6/4.78	4.7/4.04	2.760/87	-1.36/-3.16	-4.42/-6.23	-10.23/-17.53	-13.24/-10.57	-9.15/-5.88	-2.4/-0.28	0.46/1.09	1.662/86	4.194/82	4.343/19	1.710/12	-0.72/-1.14	2.36/-4.02	-4.85/-4.85	-4.37/-4.27	-8/15.54	-18.05/-14.31	-8.17/-4.21
Θ(45°)	-3.53/-1.48	0.09/1.3	2.653/41	3.94/06	3.8/0.32	1.69/-0.13	-3.24/-8.01	-13.61/-13.83	-14.25/-18.16	-18.49/-14.3	-12.49/-7.23	-4.08/-2.25	-1.5/-0.92	-0.15/-1.59	2.853/04	2.31/11.7	0.28/-0.28	-0.96/-2.13	-3.65/-5.29	-6.96/-7.48	-7.06/-7.24	-8.53/-12.34	-14.11/-15.03	-16.04/-6.02
Θ(52.5°)	-9.24/-5.72	-4/-1.93	-0.230/97	1.722/03	1.810/72	-0.89/-3.12	-7.52/-14.79	-17.22/-15.09	-15.88/-18.26	-16.58/-14.36	-11.16/-7.46	-5.17/-3.92	-2.22/-1.52	0.010/91	1.852/14	1.520/43	-0.87/-0.86	-1.1/-2.89	-5.33/-6.97	-8.17/-7.87	-8.45/-8.03	-9.28/-9.22	-8.05/-6.9	-10.83/-13.47
Θ(60°)	-15.94/-11.34	-9.12/-6.54	-4.26/-2.46	-1.88/-1.64	-2.13/-3.67	-6.04/-8.94	-15.52/-16.36	-9.22/-7.22	-8.42/-12.93	-13.81/-10.61	-9.23/-7.35	-6.37/-5.11	-3.46/-2.05	-0.49/-0.82	-0.180/0.3	-0.32/-1.05	-1.42/-1.54	-2.35/-4	-7.28/-8.21	-7.38/-8.62	-11.41/-9	-9.71/-7.37	-6.01/-5.71	-9.1/-18.86
Θ(67.5°)	-16.51/-14.23	-10.49/-7.85	-5.38/-4.15	-3.66/-4.06	-5.8/-6.88	-11.12/-12.81	-18.97/-11.69	-6.69/-14.7	-7.22/-11.37	-11.49/-9.59	-9.97/-9.34	-8.6/-1.32	-5.29/-2.08	-1.13/-2.86	-3.55/-4.1	-4.73/-3.53	-1.66/-0.5	-2.01/-4.8	-7.08/-9.03	-6.84/-7.45	-12.43/-9.54	-9.63/-9.07	-5.93/-7.28	-11.14/-15.86
Θ(75°)	-14.22/-11.6	-9.36/-6.58	-5.34/-4.16	-4.12/-4.88	-5.95/-6.82	-12.32/-13.17	-15.59/-12.57	-7.14/-4.75	-6.6/-10.3	-12.71/-10.41	-9.87/-12.23	-11.53/-13.05	-8.73/-3.51	-2.34/-5.36	-7.33/-9.86	-10.8/-6.95	-3.44/-0.46	-1.11/-5.22	-7.51/-9.4	-7.33/-8.08	-14.54/-11.98	-10.88/-7.95	-7.67/-9.64	-12.61/-17.15
Θ(82.5°)	-12.22/-10.04	-8.36/-5.85	-5.28/-4.15	-4.87/-5.71	-5.76/-7.44	-10.53/-10.11	-11.72/-10.46	-9.34/-6.47	-8.97/-11.98	-12.59/-10.45	-11.58/-13.58	-15.37/-19.08	-11.5/-5.2	-4.27/-8.11	-11.53/-17.55	-18.62/-9.86	-4.64/-1.69	-1.9/-6.27	-8.41/-10.04	-8.38/-8.49	-13.82/-16.5	-10.79/-9.98	-10.48/-11.57	-12.34/-18.02
Θ(90°)	-14.36/-13.69	-10.66/-6.99	-6.25/-6.12	-6.73/-6.8	-10.22/-10.6	-11.35/-9.62	-9.26/-9.7	-10.11/-13.86	-14.04/-13.08	-12.66/-8.18	-16.21/-10.06	-13.3/-16.9	-19.11/-15.16	-7.92/-4.46	-3.95/-7.34	-11.59/-12.91	-10.8/-10.78	-16.75/-18.49	-11.62/-11.1	-12.91/-13.73	-11.62/-11.9	-12.91/-13.73	-11.62/-11.9	-12.91/-13.73
Θ(97.5°)	-16/-18.86	-13.45/-8.56	-8.24/-6.1	-8.7/-8.13	-7.52/-9.95	-13.61/-11.81	-11.12/-10.77	-11.5/-11.14	-12.57/-15.17	-15.32/-14.94	-13.39/-16.98	-18.35/-19.09	-14.36/-10.86	-8.5/-12.75	-12.75/-13.53	-19.19/-17.78	-12.71/-6.72	-9.46/-11.07	-18.36/-19.24	-17.78/-18.04	-14.79/-12.46	-13.95/-14.53	-13.23/-11.28	
Θ(105°)	-10.69/-14.15	-14.15/-11.55	-10.94/-9.73	-9.44/-8.99	-9.48/-13.21	-16.56/-12.27	-13.17/-12.82	-15.38/-12.25	-13.67/-14.82	-17.38/-18.21	-12.73/-17.73	-19.96/-17.94	-18.46/-16.26	-12.25/-13.66	-16.31/-11.98	-18.28/-18.85	-16.92/-13.11	-18.34/-18.63	-17.18/-18.57	-17.1/-14.76	-19.35/-18.85	-16.4/-15.17	-15.62/-16.2	-18.56/-12.46
Θ(112.5°)	-13.57/-15.45	-12.01/-10.3	-9.14/-9.26	-9.55/-9.66	-11.25/-13.24	-13.55/-14.07	-15.78/-15.46	-14.91/-13.24	-15.9/-14.34	-18.3/-17.82	-15.27/-18.84	-17.92/-18.89	-19.08/-18.07	-14.37/-14.65	-18.78/-14.13	-18.73/-18.16	-16.72/-13.99	-14.02/-16.38	-14.09/-19.1	-19.63/-17.88	-17.06/-17.88	-12.91/-15.85	-17.53/-14.94	-18.19/-17.68
Θ(120°)	-17.78/-18.35	-19.05/-15.37	-17.3/-14.19	-14.04/-12.49	-11.12/-12.2	-14.01/-15.07	-14.34/-15.59	-15.09/-14.75	-16.53/-14.42	-18.87/-18.47	-17.81/-17.61	-18.32/-18.77	-17.85/-17.3	-17.87/-17.79	-18.64/-18.6	-17.17/-17.99	-16.68/-18.18	-18.84/-18.12	-17.71/-19.95	-18.61/-18.38	-19.41/-18.47	-17.43/-17.98	-16.21/-15.86	
Θ(127.5°)	-13.75/-14.3	-17.08/-15.74	-13.73/-13.02	-12.42/-12.92	-14.43/-19.1	-19.28/-17.78	-16.87/-17.57	-17.56/-19.04	-18.15/-17.37	-19.17/-17.44	-18.5/-19.27	-18.49/-18.43	-18.82/-19.11	-17.42/-18.82	-18.95/-17.15	-18/-18.62	-19.08/-18.82	-16.41/-18.72	-18.6/-18.8	-17.61/-19.4	-18.47/-18.05	-18.14/-17.32	-17.31/-18.31	-17.25/-13.88
Θ(135°)	-18.2/-16.47	-14.89/-15.23	-14.104/-13.51	-13.18/-13.3	-15.93/-15.79	-14.49/-15.31	-18.08/-19	-18.52/-17.61	-18.59/-17.35	-18.72/-18.53	-18.74/-17.98	-19.13/-17.7	-19.33/-16.5	-19.15/-14.83	-17.54/-17.9	-18.62/-16.24	-17.02/-17.88	-17.17/-7.2	-17.07/-17.47	-17.88/-19.02	-17.82/-19.03	-17.97/-14.96	-17.74/-16.76	-18.73/-17.72
Θ(142.5°)	-15.62/-14.75	-18.64/-16.94	-18.12/-16.47	-17.53/-18.28	-18.32/-18.17	-18.98/-19.34	-18.38/-18.32	-18.56/-17.79	-18.27/-19.19	-18.73/-17.83	-18.71/-17.61	-18.32/-18.77	-17.85/-17.3	-17.87/-17.79	-18.64/-18.6	-17.17/-17.99	-16.68/-18.18	-18.84/-18.12	-17.71/-19.95	-18.61/-18.38	-19.41/-18.47	-17.43/-17.98	-16.21/-15.86	
Θ(150°)	-18.06/-18.18	-18.78/-18.24	-17.19/-17.54	-18.13/-18.16	-17.42/-19.37	-18.36/-18.11	-17.41/-18.04	-18.14/-18.74	-18.52/-19.05	-18.2/-19.37	-17.62/-17.99	-19.17/-18.75	-18.85/-18.81	-17.18/-17.43	-18.5/-19.11	-18.5/-18.1	-18.96/-18.75	-18.16/-17.84	-19.03/-18.63	-18.97/-19.67	-18.16/-18.57	-18.47/-18.71	-18.14/-19.86	-19.22/-18.75
Θ(157.5°)	-18.95/-17.99	-17.92/-18.46	-18.88/-18.45	-16.66/-16.02	-15.3/-15.52	-17.07/-19.51	-18.71/-19.09	-17.75/-17.85	-18.33/-18.55	-17.63/-16.94	-17.08/-17.85	-18.87/-18.27	-19.06/-18.82	-19.56/-16.21	-13.82/-14.09	-15.69/-19.1	-17.83/-18.99	-17.17/-16.35	-19.5/-17.83	-18.38/-18.6	-18.82/-19.27	-18.1/-19.32	-18.62/-18.43	
Θ(165°)	-19.21/-18.57	-19.22/-16.5	-14.26/-13.17	-13.41/-13.78	-17.43/-16.18	-17.38/-17.17	-16.49/-15.54	-15.07/-15.35	-16/-17.57	-19.08/-18.79	-19.58/-18.2	-18.13/-17.69	-18.71/-18.03	-17.18/-17.5	-17.6/-16.31	-17.26/-17.88	-18.41/-18.31	-18.21/-18.34	-19.21/-19.1	-18.18/-17.83	-18.44/-18.67	-18.4/-18.77	-18.85/-17.62	-18.23/-17.26
Θ(172.5°)	-18.04/-18.76	-17.56/-18.87	-17.68/-18.26	-17.77/-17.84	-17.67/-18.36	-18.49/-18.54	-18.49/-17.15	-18.96/-17.54	-18.08/-19.12	-18.07/-18.46	-18.38/-17.98	-19.37/-18.05	-16.16/-16.67	-16.91/-15.77	-14.56/-14.11	-14.79/-16.31	-18.38/-18.69	-19.3/-19.11	-18.33/-19.47	-18.52/-18.48	-18.92/-17.64	-18.46/-19.28	-18.56/-18.98	-18.84/-18.53
Θ(180°)	-15.46/-14.11	-13.84/-12.2	-12.08/-12.3	-13.07/-13.82	-15.16/-16.2	-17.21/-17.35	-16.81/-16.23	-15.98/-16.36	-17.15/-18.96	-18.16/-17.86	-18.88/-17.94	-17.58/-17.59	-16.23/-15.88	-16.02/-16.44	-16.71/-16.86	-17.07/-17.43	-17.51/-17.69	-18.06/-17.95	-17.79/-17.21	-18.94/-18.98	-19.23/-18.62	-18.92/-18.54	-18.16/-18.44	-18.93/-16.86
Freq(Hz)	6.475GPol.	Phi/Ant. 2		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)											



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(0°)	3.47/4.42	5.23/5.79	6.2/6.4	6.49/6.39	6.16/5.75	5.18/4.34	3.3/2.11	0.59/-1.45	-4.73/-10.44	-18.9/-10.77	4.63/-1.12	1.17/2.95	4.16/5.07	5.75/6.22	6.6/6.79	6.81/6.65	6.32/5.88	5.36/4.65	3.69/2.41	0.53/-2.13	-5.96/-12.8	-17.81/-10.08	-4.6/-1.41	0.71/2.31
Θ(7.5°)	4.8/5.76	6.49/7.04	7.41/7.57	7.65/7.51	7.2/6.7	5.96/5.11	4.1/2.91	1.38/-0.67	-3.79/-8.44	-13.08/-8.56	-4.17/-1.17	0.95/2.45	3.53/4.37	5.04/5.54	5.8/5.94	6.89/5.78	5.5/5.09	4.55/3.78	2.85/1.57	-0.33/-2.91	-6.53/-11.35	-11.64/-6.48	-2.46/0.23	2.2/3.62
Θ(15°)	4.11/4.92	5.61/6.11	6.6/6.73	6.96/6.96	6.8/6.42	5.81/4.94	3.88/2.71	1.25/-0.65	-3.49/-7.14	-8.86/-6.15	-3.03/-0.7	0.89/1.93	2.72/3.49	4.07/4.28	4.23/4	6.38/5.57	3.36/3.2	3.13/2.92	2.37/1.51	0.04/-2.04	-4.68/-7.13	-7.27/-4.8	-2.03/0.1	1.6/3.09
Θ(22.5°)	2.24/2.92	3.56/4.07	4.6/5	5.14/5.03	4.88/4.67	4.33/3.77	3.08/2.21	0.98/-0.71	-3.39/-6.49	-7.72/-5.93	-3.18/-0.42	1.25/2.47	3.52/4.32	4.57/4.67	4.71/4.58	4.21/3.68	3.07/2.51	2.08/1.74	1.33/0.66	-0.22/-1.25	-2.36/-3.61	-4.35/-4.22	-3.32/-1.83	0.08/1.47
Θ(30°)	0.47/0.84	1.18/1.89	2.66/3.07	2.91/2.47	1.92/1.42	1.10/0.69	0.23/-0.14	-0.47/-1.26	-3.01/-5.1	-6.26/-5.41	-3.64/-1.68	-0.58/0.5	2.01/3.08	3.97/4.71	4.73/4.18	3.69/3.4	1.31/2.7	1.82/0.58	-0.26/-0.92	-1.62/-1.85	-1.75/-2.02	-2.21/-2.54	-3.04/-3	-1.94/-0.64
Θ(37.5°)	-1.76/-0.72	-0.1/0.39	0.92/1.26	1.16/0.54	-0.1/-0.9	-2.03/-3	-4.31/-4.43	-3.87/-3.92	-4.7/-5.16	-5.1/-4.25	-4.61/-5.5	-5.71/-2.95	0.04/2.37	4.4/67	4.61/4.42	3.89/3.25	3.03/2.54	1.23/-1.05	-3.64/-4.8	-4.33/-3.35	-2.83/-2.82	-2.89/-2.15	-1.37/-1.8	-2.95/-2.27
Θ(45°)	-0.88/0.08	0.78/1.03	1.22/1.31	0.98/0.11	-1.08/-1.48	-2.08/-3.38	-5.04/-5.88	-5.61/-5.71	-6.12/-6.11	-5.03/-5.16	-7.71/-10.23	-7.87/-3.45	-0.67/1.15	2.03/2.52	2.56/2.8	2.44/2.26	2.08/1.54	0.55/-0.9	-4.04/-8.28	-8.71/-6.43	-5.05/-5.15	-5.06/-3.68	-1.72/-1.37	-1.84/-1.81
Θ(52.5°)	-4.19/-2.97	-1.62/-1.37	-1.41/-0.67	-0.56/-2.63	-4.48/-3.93	-2.64/-2.59	-3.47/-3.93	-4.85/-6.4	-7.82/-5.42	-5.05/-5.84	-6.71/-8.26	-6.81/-3.35	-1.83/-0.41	0.37/0.7	0.810.89	0.94/0.58	0.35/0.54	-0.33/-2.49	-5.18/-9.78	-12.34/9.05	-6.16/-5.74	-5.62/-3.95	-2.81/-2.21	-2.53/-3.93
Θ(60°)	-13.12/-11.09	-7.84/-7.38	-8.89/-6.88	-6.04/-9.29	-11.28/-8.33	-5.42/-4.64	-5.16/-4.24	-3.19/-4.64	-8.87/-6.7	-6.05/-6.15	-5.76/-6.26	-9.18/-5.33	-3.27/-1.98	-0.74/0.4	0.62/0.39	0.06/-1.12	-1.71/-1.86	-2.37/-3.89	-6.15/-9.67	-11.98/-12.15	-8.44/-5.61	-6.59/-6.11	-5.53/-4.18	-4.63/-6.86
Θ(67.5°)	-16.66/-17.66	-17.74/-15.35	-14.33/-13.9	-11.71/-14.93	-17.99/-16.86	-12.37/-8.91	-6.95/-4.34	-3.69/-5.66	-10.21/-10.08	-11.72/-8.72	-10.21/-18.38	-12.43/-7.71	-6.02/-5.27	-3.97/-1.99	-1.19/-2.01	-2.41/-3.32	-2.06/-2.66	-3.91/-5.21	-7.15/-7.18	-9.81/-14.32	-11.48/-6.16	-6.99/-7.5	-7.84/-8.44	-9.83/-14.28
Θ(75°)	-11.83/-16.13	-14.43/-10.43	-7.53/-11.13	-11.41/-11.39	-19.09/-18.38	-16.15/-12.84	-10.72/-6.35	-5.23/-7.6	-8.98/-13.37	-18.87/-17.82	-18.49/-17.82	-17.94/-10.87	-12.77/-10.8	-7.8/-5.72	-3.91/-5.24	-6.24/-7.25	-3.58/-2.89	-6.05/-6.2	-5.18/-9.78	-12.34/9.05	-6.16/-5.74	-5.62/-3.95	-2.81/-2.21	-2.53/-3.93
Θ(82.5°)	-9.31/-12.08	-12.03/-8.87	-6.23/-9.64	-10.68/-10.5	-14.16/-14.17	-10.27/-17.25	-13.71/-7.82	-8.86/-11.26	-10.32/-12.49	-18.1/-18.21	-18.85/-19.12	-11.95/-12.01	-18.86/-12.08	-9.24/-8.74	-6.25/-8.52	-11.88/-11.53	-5.85/-4.11	-7.45/-8.74	-8.64/-7.53	-9.88/-14.74	-17.2/-10.12	-10.58/-11.3	-13.03/-18.09	-10.15/-7.37
Θ(90°)	-7.2/-10.34	-12.5/-9.68	-7.63/-10.89	-12.1/-9.56	-10.78/-12.46	-10.08/-17.02	-9.89/-7.74	-9.18/-14.45	-11.6/-11.31	-18.2/-18.08	-18.59/-15.95	-9.59/-13.16	-17.32/-14.15	-10.04/-10.64	-7.99/-10.68	-14.83/-15.29	-10.72/-7.76	-8.96/-16.61	-10.65/-9.4	-10.29/-16.5	-17.55/-12.88	-11.89/-14.2	-16.78/-17.81	-10.22/-6.78
Θ(97.5°)	-7.49/-9.26	-10.32/-9.47	-8.53/-10.17	-10.03/-9.09	-11.54/-12.31	-10.78/-15.53	-10.05/-7.64	-8.42/-19.14	-12.83/-14.1	-18.43/-14.96	-17.96/-13.98	-10.38/-16.45	-14.91/-13.46	-14.09/-12.65	-10.21/-11.34	-16.73/-18.01	-16.69/-17.63	-17.59/-19.16	-13.61/-13.23	-16.31/-15.88	-18.3/-15.52	-12.92/-17.51	-18.43/-14.99	-12.72/-8.53
Θ(105°)	-10.95/-8.33	-8.85/-6.82	-7.13/-8.73	-11.61/-13.94	-14.87/-11.63	-13.49/-17.55	-12.01/-8.43	-8.82/-17.34	-13.46/-17.95	-16.7/-15.21	-18.12/-13.03	-10.86/-19.03	-19.15/-16.74	-16.71/-13.71	-10.73/-10.55	-15.74/-18.26	-15.97/-17.57	-16.59/-17.29	-15.27/-14.68	-16.13/-18.41	-18.41/-17.69	-12.71/-16.97	-18.25/-11.92	-10.42/-13.56
Θ(112.5°)	-18.99/-18.12	-12.22/-9.47	-8.73/-11.75	-12.79/-13.1	-12.35/-10.5	-12.81/-17.73	-12.88/-8.32	-8.42/-18.23	-13.07/-17.52	-16.46/-18.94	-16.22/-12.55	-15.71/-18.98	-18.92/-18.46	-18.29/-18.82	-14.07/-12.95	-17.73/-14.66	-17.84/-14.46	-18.69/-17.06	-18.77/-17.68	-12.5/-15.54	-18.78/-16.26	-17.68/-15.39	-19.01/-12.72	-8.37/-9.73
Θ(120°)	-9.89/-12.82	-16.04/-15.37	-14.26/-11.07	-8.93/-9.83	-13.68/-18.2	-18.35/-18.41	-16.92/-11.55	-13.13/-16.7	-15.22/-19.12	-16.88/-18.29	-16.74/-17.82	-17.71/-19.17	-18.66/-19.1	-18.93/-18.8	-19.05/-17.82	-18.02/-19.26	-19.31/-17.8	-19.09/-18.1	-17.41/-16.76	-18.12/-16.26	-18.88/-16.2	-16.86/-18.11	-16.86/-18.11	-15.39/-9.36
Θ(127.5°)	-15.53/-11.78	-10.51/-12.23	-12.41/-11.21	-12.54/-18.09	-16.99/-13.62	-16.2/-19.32	-13.93/-12.48	-13.14/-17.44	-18.16/-17.83	-15.43/-17.44	-17.63/-18.87	-19.1/-19.02	-18.83/-18.28	-17.66/-18.28	-18.16/-18.3	-17.75/-17.38	-18.9/-18.38	-16.31/-18.27	-18.26/-16.88	-17.27/-17.51	-18.18/-13.56	-15.12/-18.93		
Θ(135°)	-11.77/-16.41	-18.27/-18.96	-15.83/-12.51	-11.4/-13.09	-13.82/-14.53	-18.13/-18.96	-17.93/-12.48	-16.45/-19.45	-18.58/-17.44	-17.06/-18.64	-17.94/-17.44	-19.25/-17.52	-18.3/-18.23	-18.56/-18.86	-14.93/-17.82	-17.27/-18.5	-14.69/-17.13	-16.99/-14.69	-15.93/-18.14	-15.4/-18.58	-15.81/-15.33	-17.82/-17.93	-17.17/-18.24	-12.12/-10.58
Θ(142.5°)	-14.03/-12.12	-12.09/-12.05	-12.69/-13.45	-13.98/-14.58	-14.59/-17.08	-17.45/-18.46	-19.76/-15.22	-15.99/-18.46	-18.08/-18.87	-17.92/-18.53	-18.42/-19.01	-17.53/-18.29	-17.58/-17.88	-17.28/-18.14	-17.38/-16.35	-17.69/-18.25	-19.17/-17.54	-18.19/-18.56	-18.98/-17.77	-18.22/-17.57	-18.66/-18.94	-16.73/-18.9	-18.17/-16.07	-16.69/-17.77
Θ(150°)	-17.74/-15.6	-15.81/-14.21	-13.28/-13.68	-14.97/-18.44	-18.43/-17.47	-16.59/-15.72	-18.1/-18.9	-18.98/-16.17	-15.1/-18.36	-17.6/-18.3	-18.5/-14.77	-17.1/-17.76	-18.44/-19.22	-18.59/-19.2	-18.88/-17.55	-17.73/-17.71	-18.41/-18.92	-18.14/-13.52	-15.08/-17.63	-17.43/-18.77	-18.58/-18.19	-18.5/-17.84	-17.68/-17.78	-19.06/-18.46
Θ(157.5°)	-18.77/-18.63	-17.1/-16.42	-13.15/-14.48	-15.39/-16.85	-18.86/-17.47	-18.71/-17.82	-18.35/-19.21	-18.01/-18.44	-17.92/-18.42	-18.98/-17.82	-18.17/-18.72	-16.69/-17.11	-17.56/-19.31	-17.9/-18.89	-19.2/-19.11	-17.15/-16.51	-17.84/-17.56	-18.56/-18.83	-19.03/-18	-17.84/-17.44	-17.1/-19.34	-17.87/-17.71	-17.64/-18.52	
Θ(165°)	-18.97/-18.3	-17.97/-16.83	-14.73/-13.84	-14.3/-16.06	-17.68/-17.21	-15.98/-15.55	-15.98/-16.18	-17.83/-17.62	-18.37/-18.25	-18.83/-18.99	-18.17/-14.55	-16.78/-18.66	-17.73/-19.07	-18.82/-19.96	-19.38/-18.03	-18.05/-18.88	-18.68/-19.38	-17.46/-18.36	-17.41/-19	-18.99/-18.35	-17.88/-17.71	-14.64/-14.27	-16.99/-18.86	-18.21/-17.51
Θ(172.5°)	-13.85/-13.78	-13.44/-13.23	-13.45/-14.57	-15.76/-16.57	-16.89/-17.16	-18.21/-18.76	-19.21/-17.97	-18.13/-16.8	-15.71/-13.4	-13.05/-14.4	-17.86/-17.96	-19.58/-18.03	-17.85/-18.08	-17.55/-19.35	-18.28/-17.93	-17.91/-18.56	-18.76/-17.78	-18.27/-18.53	-18.01/-17.05	-16.37/-15.69	-15.28/-15.05	-14.32/-12.94	-12.25/-12.72	-12.83/-13.39
Θ(180°)	-12.78/-12.59	-12.27/-12.68	-13.05/-13.23	-13.46/-14.26	-14.54/-14.42	-15.11/-14.74	-14.28/-13.84	-13.34/-13.04	-13.34/-14.1	-14.18/-13.31	-12.97/-13.01	-13.22/-13.24	-12.88/-17.1	-11.29/-11.39	-11.89/-12.36	-13.37/-14.39	-15.26/-16.32	-18.47/-19.22	-18.47/-17.55	-17.89/-18.13	-16.32/-15.97	-14.34/-15.67	-15.9/-15.95	-14.63/-13.92
Freq(Hz)	6.995GPol.	PhiAnt. 2	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	4.693.41	1.66/-0.84	-4.41/-10.29	-11.18/-5.63	-6.73/1.09	3.19/4.65	5.77/6.67	7.37/7.86	8.13/8.24	8.23/8.03	7.69/7.17	6.55/57	4.38/2.85	0.76/-1.95	-6.35/-11.51	-8.88/-3.91	-0.29/2.06	3.83/5.17	6.28/7.05	7.58/7.96	8.17/8.22	8.17/8.02	7.69/7.26	6.64/5.69
Θ(7.5°)	2.45/0.57	-1.84/-4.63	-8.21/-9.42	-6.06/-2.5	-0.03/-1.9	3.46/4.78	6.2/6.71	7.31/7.71	7.99/8.08	8.04/7.9	7.6/7.23	6.77/6.1	5.19/3.99	2.36/0.11	-3.28/-9.41	-15.89/-7.13	-2.27/0.81	2.86/4.39	5.55/6.46	7.01/7.32	7.46/7.47	7.33/7.08	6.58/5.95	5.07/3.88
Θ(15°)	-0.47/-3.05	-6.86/-12.12	-18.46/-13.79	-8.31/-4.62	-2.05/-0.22	1.09/2.39	3.83/5.23	6.24/6.82	7.04/7.01	6.86/66	6.59/6.43	6.09/5.68	4.76/3.73	2.32/0.18	-3.28/-9.6	-15.16/-8.41	-3.98/-1.07	0.82/4.1	3.97/5.12	5.59/6.48	6.56/6.41	6.23/6.02	5.33/4.33	3.09/1.45
Θ(22.5°)	0.56/-0.96	-2.99/-5.81	-11.12/-18.03	-11.62/-5.39	-2.21/-0.25	1.04/1.91	2.74/3.84	4.95/5.73	6.14/6.17	6.21/6.2	5.95/5.44	4.61/3.65	2.98/1.93	0.29/2.17	-5.85/-11.07	-18.03/-12.76	-7.08/-4.11	-1.92/0.16	2.38/4.28	5.35/5.73	5.54/5.07	6.41/4.48	4.08/3.43	2.46/1.47
Θ(30°)	1.36/0.27	-1.32/-3.19	-6.84/-18.15	-13.42/-6.06	-2.15/0.56	2.43/3.38	3.43/2.76	2.77/3.66	4.44/4.77	4.93/4.84	4.14/3.13	2.32/2.25	2.68/2.01	0.4/-2.44	-7.19/-13.77	-14.62/-10.48	-6.92/-3.96	-1.87/-0.66	0.24/1.46	2.62/2.76	2.18/1.65	1.32/1.63	1.79/2.01	2.01/1.96
Θ(37.5°)	1.05/-0.42	-1.76/-2.43	-4.86/-12.81	-14.64/-5.06	-1.75/0.25	1.53/2.54	2.71/1.74	0.65/0.92	1.97/2.7	2.77/2.28	1.58/1.01	1.53/2.46	2.58/1.24	-1.54/-6.03	-8.2/-5.7	-4.21/-2.12	-0.43/0.27	0.39/-0.15	-0.68/-0.72	-1.92/-1.53	-1.09/-1.41	-0.99/0.46	1.87/2.12	
Θ(45°)	-2.13/-2.38	-2.74/-2.85	-4.66/-11.87	-15.9/-6.24	-3.49/-2.1	-1.74/0.8	0.41/0.34	-0.21/-0.9	-1.43/0.11	0.09/-1.11	-0.91/-0.49	0.89/2.21	1.96/0.26	-2.4/-4.3	-8.03/-15</									



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(52°5')	-5.77/-10.23	-11.45/-11.18	-10.47/-12.15	-17.71/-18.25	-11.88/-7.06	-4.88/-4.21	-3.15/-1.3	0.71/-1.97	2.04/-1.23	1.04/-0.95	1.71/-1.5	0.74/-0.55	-1.13/-2.4	-4.24/-6.72	-7.94/-10.97	-15.01/-14.3	-13.69/-12.14	-9.2/-6.1	-3.83/-3.11	-2.91/-2.17	-1.27/-10.8	-1.21/-1.22	-1.58/-1.43	-1.55/-3.59
Θ(60°)	-13.13/-11.62	-8.78/-7.53	-6.74/-9.4	-13.65/-18.2	-12.23/-6.71	-5.25/-5.04	-4.59/-3.12	-1.10/-24	0.62/-0.33	-0.77/-0.53	0.09/-0.61	-1.43/-2.8	-3.25/-4.44	-4.93/-5.72	-7.31/-10.52	-15.14/-13.28	-11.83/-11.07	-9.14/-7.29	-6.36/-6.96	-7.63/-5.91	-4.71/-4.1	-5.21/-5.81	-6.36/-6.84	-6.85/-10.37
Θ(67.5°)	-15.88/-9.52	-6.85/-5.9	-6.19/-7.9	-13.51/-18.96	-12.05/-7.11	-6.02/-5.88	-5.85/-4.75	-3.08/-2.16	-2.41/-3.4	-5.03/-3.78	-2.81/-3.71	-4.04/-5.62	-5.91/-7.95	-6.09/-6.08	-8.13/-12.15	-13.11/-10.34	-8.78/-10.72	-7.91/-8.53	-8.94/-12.31	-12.56/-7.16	-6.22/-6.04	-6.81/-7.9	-8.75/-10.58	-12.11/-17.56
Θ(75°)	-12.45/-8.19	-5.95/-5.62	-6.25/-7.99	-15.19/-18.65	-12.81/-8.66	-7.98/-7.86	-8.05/-7.34	-6.15/-6.03	-7.02/-9.15	-12.39/-37	-7.16/-7.34	-8.3/-8.88	-10.99/-14.76	-10.35/-7.42	-9.81/-11.81	-11.63/-9.3	-7.68/-6.94	-6.88/-10.24	-13.14/-18.68	-12.13/-6.37	-5.75/-7.14	-6.99/-6.74	-7.35/-10.82	-15.25/-17.34
Θ(82.5°)	-13.71/-8.33	-7.03/-6.62	-7.63/-10.21	-15.33/-18.77	-15.06/-9.86	-10/-10.4	-10.06/-9.28	-8.23/-10.1	-12/-18.79	-18.71/-14.03	-11.06/-10.2	-11.97/-11.61	-17.48/-18.1	-14.03/-9.7	-11.99/-12.2	-11.49/-9.4	-7.84/-6.73	-7.53/-12.83	-15.38/-17.76	-8.73/-5.38	-5.35/-7.23	-7.56/-7.21	-7.51/-10.16	-16.27/-15.3
Θ(90°)	-15.01/-9.95	-9.8/-8.66	-9.81/-12.38	-17.48/-18.82	-17.84/-12.82	-12.60/-12.87	-12.21/-10.38	-9.91/-13.38	-17.45/-19.24	-18.9/-18.75	-16.94/-15.3	-15.6/-13.4	-17.38/-17.75	-19.41/-13.33	-14.91/-13.86	-13.08/-9.89	-9.54/-7.43	-8/-12.06	-14.65/-16.34	-8.93/-6.32	-6.77/-7.12	-9.37/-8.4	-7.59/-8.4	-13.88/-14.7
Θ(97.5°)	-12.13/-8.5	-8.99/-9.67	-11.09/-15.31	-17.23/-18.1	-18.4/-14.84	-15.68/-15.65	-15.35/-13.08	-12.48/-14.67	-18.64/-17.8	-18.63/-18.24	-18.71/-18.83	-18.23/-17.39	-19.09/-18.6	-18.08/-15.73	-18.79/-18.1	-15.88/-12.47	-10.58/-11.27	-9.83/-14.1	-18.36/-16.08	-10.9/-8.76	-9.46/-8.37	-10.96/-10.08	-10.13/-11.38	-12.63/-12.51
Θ(105°)	-12.56/-9.58	-10.68/-11.3	-13.76/-15.35	-17.93/-18.49	-17.34/-15.4	-16.58/-14.29	-13/-13.04	-13.61/-14.55	-16.6/-17.4	-17.89/-18.05	-17.65/-17.7	-17.27/-19.06	-17.42/-18.85	-18.47/-17.7	-17.88/-17.99	-16.14/-13.53	-10.85/-15.65	-13.95/-13.82	-17.25/-16.81	-13.12/-12.5	-11.54/-9.73	-10.32/-9.94	-10.82/-13.61	-14.95/-13.19
Θ(112.5°)	-16.25/-18.48	-16.27/-15.13	-17.38/-17.7	-18.05/-17.66	-17.58/-16.68	-16.21/-14.47	-13.31/-14.49	-14.65/-14.89	-18.59/-18.74	-18.79/-18.88	-18.94/-18.5	-17.65/-18.37	-18.4/-18.34	-19.13/-18.08	-17.77/-17.5	-15.91/-13.55	-11.31/-14.46	-13.8/-14.15	-17.32/-17.99	-14.51/-14.78	-13.27/-13.42	-10.89/-9.79	-11.31/-15.91	-18.07/-18.79
Θ(120°)	-17.32/-17.12	-12.95/-13.65	-14.42/-18.85	-18.17/-19.64	-17.18/-14.77	-16.26/-17.27	-15.09/-13.93	-13.32/-16.38	-18.23/-17.98	-18.92/-17.63	-19.28/-17.92	-19.26/-17.86	-18.36/-18.64	-17.48/-19.31	-18.98/-17.53	-18.5/-16.37	-11.48/-12.53	-14.19/-16.48	-16/-15.53	-16.42/-16.32	-12.28/-16.32	-14.2/-12.37	-12.02/-14.37	-17.61/-18.4
Θ(127.5°)	-14.99/-12.01	-12.52/-12.21	-17.11/-17.3	-19.16/-18.49	-18.81/-18.36	-18.21/-18.97	-18.11/-18.79	-18.71/-18.79	-18.97/-17.54	-18.27/-18.38	-18.35/-17.92	-18.57/-18.47	-17.75/-18.67	-18.78/-16.58	-19.22/-17.85	-18.11/-14.57	-15.5/-17.9	-14.69/-15.7	-17.86/-15.87	-14.75/-13.47	-17.66/-15.75	-16/-14.96	-18.25/-18.17	-18.52/-17.51
Θ(135°)	-18.78/-19.24	-18.42/-17.71	-17.99/-18.22	-17.94/-18.38	-17.64/-18.18	-18.43/-18.56	-18.8/-19.04	-18.76/-17.91	-18.19/-18.19	-18.27/-18.23	-19.21/-18.35	-18.99/-17.93	-18.66/-17.64	-18.63/-18.96	-17.33/-19.02	-18.71/-13.28	-18.26/-15.91	-14.24/-16.13	-17.11/-16.69	-17.27/-17.41	-17.24/-16.65	-17.54/-10.54	-18.29/-18.96	-17.69/-17.74
Θ(142.5°)	-17.22/-17.87	-17.17/-18.81	-18.97/-19.3	-18/-17.93	-18.79/-17.6	-18.61/-17.82	-18.17/-17.52	-18.49/-18.54	-18.89/-18.92	-18.43/-17.36	-18.41/-17.35	-18.66/-18.21	-18.7/-18.24	-18.56/-17.9	-19.39/-18.68	-18.34/-18.73	-19.17/-16.34	-15.86/-17.34	-18.92/-16.71	-17.63/-15.79	-16.32/-17.76	-18.21/-17.68	-17.32/-17.96	-18.95/-17.12
Θ(150°)	-17.55/-17.86	-18.79/-17.38	-17.38/-16.04	-15.69/-16.91	-18.22/-18.33	-18.64/-18.75	-18.12/-18.06	-19.02/-19.36	-18.36/-18.69	-18.1/-18.75	-18.99/-18.35	-17.33/-17.29	-17.92/-18.35	-19.02/-18.55	-17.68/-17.19	-17.84/-17.7	-17.74/-18.18	-19.07/-18.23	-18.49/-16.67	-19.26/-18.97	-18.34/-16.67	-15.64/-17.02	-19.29/-17.68	-18.48/-17.66
Θ(157.5°)	-19.39/-18.26	-17.74/-19.01	-18.49/-18.03	-18.68/-18.25	-19.57/-17.37	-18.6/-18.48	-18.92/-17.41	-18.97/-18.05	-17.79/-17.9	-18.35/-18.35	-17.71/-18	-18.23/-17.73	-18.66/-18.51	-18.11/-19.21	-18.81/-18.84	-18.46/-17.59	-17.94/-18.13	-18.71/-17.94	-18.6/-18.56	-16.49/-16.46	-17.06/-17.3	-16.68/-16.79	-19.14/-18.63	-19.02/-17.29
Θ(165°)	-17.41/-18.04	-18.66/-18.36	-18.17/-18.66	-18.6/-19.06	-17.8/-18.21	-17.14/-16.95	-17.26/-17.99	-18.9/-18.86	-18.45/-18.34	-18.93/-19.75	-18.2/-16.79	-17.14/-18.67	-18.68/-18.17	-19.04/-18.41	-19.18/-18.54	-18.39/-17.6	-17.53/-17.8	-17.89/-19.33	-18.21/-19.23	-17.72/-17.02	-16.73/-17.19	-18.52/-18.41	-17.82/-18.67	-18.11/-17.5
Θ(172.5°)	-14.49/-12.73	-11.56/-11.48	-12.54/-13.36	-14.63/-16.09	-17.1/-17.81	-18.51/-18.66	-18.76/-18.66	-18.36/-18.72	-17.84/-18.89	-18.96/-19.01	-19.2/-18.75	-18.86/-18.78	-18.96/-16.31	-15.16/-14.95	-15.04/-15.65	-16.74/-17.84	-18.79/-18.76	-19.73/-19.29	-18.86/-17.82	-18.17/-18.45	-18.51/-18.81	-19/-19.07	-17.94/-18.67	-19.3/-16.86
Θ(180°)	-17.62/-18.94	-19.21/-18.19	-18.17/-18.32	-17.62/-17.86	-18.96/-18.45	-18.81/-19.12	-17.44/-16.21	-15.26/-14.5	-14.58/-14.59	-14.9/-15.44	-16.03/-16.54	-16.81/-16.78	-16.83/-17.34	-18.33/-18.02	-18.72/-18.3	-17.6/-18.99	-18.01/-18	-19.27/-18.94	-18.29/-17.47	-16.93/-16.79	-16.75/-16.81	-18.5/-17.16	-18.12/-18.53	
Freq(Hz)	5.785GHzPol.	PhiAnt. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)°Φ(7.5°)	Φ(15°)°Φ(22.5°)	Φ(30°)°Φ(37.5°)	Φ(45°)°Φ(52.5°)	Φ(60°)°Φ(67.5°)	Φ(75°)°Φ(82.5°)	Φ(90°)°Φ(97.5°)	Φ(105°)°Φ(112.5°)	Φ(120°)°Φ(127.5°)	Φ(135°)°Φ(142.5°)	Φ(150°)°Φ(157.5°)	Φ(165°)°Φ(172.5°)	Φ(180°)°Φ(187.5°)	Φ(195°)°Φ(202.5°)	Φ(210°)°Φ(217.5°)	Φ(225°)°Φ(232.5°)	Φ(240°)°Φ(247.5°)	Φ(255°)°Φ(262.5°)	Φ(270°)°Φ(277.5°)	Φ(285°)°Φ(292.5°)	Φ(300°)°Φ(307.5°)	Φ(315°)°Φ(322.5°)	Φ(330°)°Φ(337.5°)	Φ(345°)°Φ(352.5°)
Θ(0°)	2.44/3.51	4.35/4.94	5.45/5.72	5.96	5.94/5.69	5.27/4.64	1.153/-1.71	1.15/-0.69	3.19/-6.71	6.87/-3.12	0.591/-37	2.83/-6.1	4.66/-5.25	6.08/6.01	5.81/5.43	4.94/2.1	3.32/0.7	0.51/-1.56	4.49/-0.94	-6.21/-2.88	-0.55/-1.22	-	-	-
Θ(7.5°)	3.04/4.13	4.74/5.22	5.55/5.73	5.77/5.72	5.54/5.21	4.75/4.12	3.26/2.09	0.69/-1.14	-3.83/-7.72	-14.24/-14.35	-7.66/-3.72	-1.11/0.93	2.37/3.55	4.46/5.12	5.62/5.97	6.09/6.06	5.95/5.62	5.13/4.47	3.53/2.27	0.61/-1.66	-4.75/-9.91	-18.25/-11.29	-5.47/-2.12	0.18/1.82
Θ(15°)	3.21/4.06	4.54/4.92	5.25/35	5.36/5.29	5.014/73	4.37/3.88	3.32/2.53	1.42/-0.09	-2.54/-6.43	-14.71/-18.18	-7.73/-4.38	-0.99/0.79	2.13/-11	3.94/46	4.83/5.04	5.16/06	4.94/4.68	4.17/3.4	2.27/0.79	-1.27/-4.11	-8.22/-16.39	-17.66/-9.64	-4.84/-1.86	0.27/2.04
Θ(22.5°)	2.51/3.44	3.99/4.31	4.54/4.47	4.31/4.12	44/02	3.39/3.82	3.39/2.54	1.19/0.71	-3.69/-8.02	-17.67/-12.87	-0.58/0.77	2.03/2.56	2.85/3.06	3.43/3.78	4.16/4.47	4.83/4.44	3.92/3.05	1.81/0.28	-1.23/-4.43	-8.48/-16.53	-14.75/-9.41	-4.87/-2.11	-0.31/-2.29	
Θ(30°)	1.58/2.68	3.45/3.66	3.56/3.16	2.84/2.74	2.81/2.99	3.17/3.21	2.89/2.05	0.63/-1.39	-4.54/-9.93	-18.78/-16.95	-8.25/-3.83	-1.29/0.41	1.44/1.91	1.87/1.87	2.14/2.46	2.74/2.85	2.92/85	2.49/1.52	-0.19/-2.42	-4.92/-7.64	-11.26/-17.84	-19.19/-11.24	-6.15/-3.1	-1.24/0.28
Θ(37.5°)	-0.65/0.98	2.08/2.82	2.56/2.17	1.86/1.62	1.61/1.87	2.26/2.32	1.87/0.95	-0.58/-3.2	-7.01/-12.51	-18.94/-14.03	-7.78/-3.61	-1.39/-2.01	0.60/94	0.74/0.62	0.63/0.61	0.72/1.09	0.86/0.21	-2.06/-4.39	-6.54/-8.77	-12.85/-18.97	-18.91/-12.51	-6.65/-6.12	-3.79/-2.04	
Θ(45°)	-1.12/-0.97	0.08/0.42	0.30/0.08	-0.08/0.34	-0.07/0.56	0.81/0.64	0.17/-0.32	-1.16/-3.23	-19.51/-15.43	-19.45/-15.39	-9.38/-5.44	-3.18/-2.38	-2.11/-1.46	-1.32/-1.47	-1.94/-1.88	-1.10/-1.78	-0.75/-0.67	-0.91/-1.7	-3.02/-4.33	-5.78/7.59	-10.76/-18.61	-17.34/-12.39	-8.25/-5.24	-4/-3.06
Θ(52.5°)	-3.22/-2.69	-1.65/-1.61	-2.24/-2.41	-2.76/-3.17	-2.69/-2.06	-2.01/-2.17	-2.58/-3.02	-3.99/-6.05	-10.5/-18.43	-17.9/-18.13	-12.12/-8.07	-5.59/-5.79	-5.37/-4	-2.86/-3.41	-4.42/-4.02	-3.84/-3.26	-3.07/-3.02	-3.43/-3.94	-4.73/-5.77	-6.75/-7.71	-9.49/-14.98	-18.51/-12.75	-7.61/-4.47	-3.71/-3.02
Θ(60°)	-2.56/-3.18	-2.94/-3.38	-4.18/-5.22	-6.03/-6.36	-5.63/-4.82	-4.75/-4.22	-4.69/-5.92	-7.49/-9.71	-12.42/-16.85	-19.31/-18.36	-15.75/-14.48	-8.75/-6.77	-6.43/-5.54	-4.81/-5.42	-6.1/-6.47	-6.9/-6.43	-5.21/-4.48	-5/-5.68	-5.44/-5.28	-5.31/-6.33	-9.04/-14.43	-18.88/-12.44	-7.78/-4.24	-2.91/-1.94
Θ(67.5°)	-3.27/-3.87	-4.57/-5.15	-6.23/-7.74	-9.02/-9.07	-7.87/-7.74	-6.85/-5.23	-5.85/-6.67	-7.77/-11.79	-13.21/-15.14	-18.38/-18.57	-14.65/-11.66	-10.75/-8.21	-7.16/-6.54	-6.97/-7.58	-8.76/-8.59	-8.46/-7.83	-6.08/-4.34	-4.27/-4.17	-3.57/-3.49	-4.57/-6.38	-10.38/-17.91	-18.45/-10.71	-7.2/-3.86	-2.35/-1.77
Θ(75°)	-4.17/-4.89	-6.42/-7.17	-8.26/-9.91	-11.02/-11.46	-10.12/-10.32	-8.35/-7.11	-8.05/-7.57	-7.81/-11.69	-14.29/-15.73	-17.99/-18.53	-14.85/-11.39	-11.34/-8.7	-8.44/-7.46	-8.83/-9.77	-12.03/-12.01	-11.31/-7.89	-6.06/-4.44	-3.28/-3.48	-3.35/-2.93	-4.22/-6.44	-10.29/-18.22	-18.23/-11.83	-7.18/-4.37	-3.49/-2.61
Θ(82.5°)	-6.27/-7.63	-8.97/-9.65	-10.47/-12.26	-13.49/-14.09	-12.59/-12.33	-11.69/-11.42	-11.22/-10.45	-11.53/-12.86	-16.22/-18.24	-18.02/-18.84	-15.05/-11.85	-12.19/-7.7	-8.96/-9.47	-11.69/-12.23	-16.61/-15.54	-13.21/-9.65	-6.62/-4.96	-3.93/-3.76	-3.61/-3.26	-4.63/-7.26	-11.16/-18.78	-18.58/-11.66	-6.58/-6.2	-4.93/-4.46
Θ(90°)	-7.75/-9.94	-10.76/-11.56	-13.29/-16.43	-18.14/-19.24	-15.88/-14.45	-14.74/-15.45	-12.95/-13.08	-16.05/-13.1	-17.24/-18.48	-17.14/-17.37	-18.05/-14.13	-13.94/-12.76	-12.54/-12.36	-15.02/-14.03	-18.84/-19.15	-17.04/-12.41	-8.77/-4.67	-5.82/-5.71	-5.86/-5.21	-6.58/-9.63	-14.99/-18.18	-18.51/-13.1	-10.24/-8.62	-6.31/-6.76
Θ(97.5°)	-10.08/-12.89	-13.29/-15.32	-16.51/-18.82	-19.33/-17.47	-18.58/-17.7	-18.55/-19.07																		



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ (105°)	-13.11/-14.32	-16.82/-17.41	-14.85/-16.99	-17.77/-17.43	-17.57/-18.42	-18.53/-18.83	-18.81/-12.46	-10.95/-15.9	-17.57/-19.33	-19.64/-19.15	-16.62/-12.63	-13.31/-16.64	-18.22/-18.8	-17.77/-18.75	-19.17/-18.5	-15.87/-14.91	-14.7/-12	-16.81/-10.1	-17.35/-18.46	-14.79/-16.12	-10.79/-11.55	-9.79/-9.37	-11.23/-17.03	-14.65/-15.09
Θ (112.5°)	-10.28/-12.07	-16.01/-13.86	-13.09/-16.13	-18.39/-16.51	-18/-17.68	-17.73/-18.42	-18.54/-15.62	-15.52/-14.67	-17.39/-17.71	-19.55/-18.72	-18.62/-16.05	-15.41/-16.04	-17.53/-18.69	-19.3/-18.76	-19.03/-18.97	-17.13/-13.46	-14.05/-13.92	-16.13/-9.99	-17.09/-17.84	-17.93/-13.83	-16.46/-12.28	-9.72/-10.45	-10.51/-13.88	-11.54/-12.24
Θ (120°)	-11.72/-11.3	-13.99/-14.64	-15.25/-17.93	-18.29/-17.92	-19.05/-18.54	-17.76/-19.08	-15.99/-17.11	-14.39/-15.49	-18.72/-16.56	-18.39/-13.37	-18.03/-18.24	-16/-17.35	-18.32/-18.2	-18.94/-17.93	-17.47/-18.93	-18.16/-16.71	-13/-18.4	-14.63/-12.02	-19.42/-17.68	-14.46/-16.13	-11.01/-13.93	-14.34/-10.49	-17.2/-16.63	-13.69/-13
Θ (127.5°)	-15.44/-14.14	-18.32/-18.53	-18.5/-18.45	-18.38/-18.33	-18.92/-18.6	-18.61/-18.44	-17.47/-19.03	-16.74/-17.54	-18.09/-18.5	-18.76/-18.06	-18.6/-17.98	-17.67/-18.59	-18.37/-17.66	-18.59/-19.41	-19.7/-17.92	-18.36/-18.79	-13.16/-19.2	-16.77/-12.13	-18.06/-19.13	-12.9/-16.07	-13.21/-17.78	-15.24/-15.61	-17.71/-18.15	-19/-18.77
Θ (135°)	-15.45/-19.58	-17.45/-18.4	-18.79/-19.36	-18.96/-18.01	-18.97/-18.7	-17.6/-18.3	-18.16/-18.88	-18.59/-19.9	-18.24/-19.04	-18.64/-17.81	-19.13/-18.2	-17.16/-14.27	-17.92/-19.23	-17.39/-17.36	-17.85/-18.9	-18.89/-11.17	-14.41/-18.78	-14.14/-9.91	-18.78/-17.63	-17.58/-17.09	-15.44/-16.28	-13.66/-17.15	-15.3/-18.9	-19.46/-19.22
Θ (142.5°)	-13.96/-17.76	-18.61/-18.49	-17.43/-19.27	-19.13/-18.21	-17.67/-18.08	-18.89/-19.02	-18.62/-19.23	-19.27/-17.85	-17.17/-18.48	-19.04/-18.46	-17.36/-18.85	-18.71/-18.72	-17.94/-18.64	-18.71/-18.09	-17.47/-18.93	-18.17/-16.4	-18.08/-17.96	-13.84/-14.43	-18.61/-19.03	-19.05/-18.96	-18.99/-14.82	-15.84/-13.74	-15.06/-18.55	-18.61/-18.22
Θ (150°)	-17.45/-18.26	-18.39/-17.84	-19.14/-18.17	-18.44/-17.72	-17.95/-18.32	-18.28/-17.78	-18.28/-19.12	-19.16/-18.14	-18.13/-18.04	-18.18/-18.48	-18/-17.95	-18.75/-17.8	-18.11/-18.7	-17.78/-19.55	-19.01/-18.44	-18.59/-18.02	-18.22/-19.39	-18.48/-19.1	-18.11/-18.7	-17.99/-17.79	-17.84/-19.19	-17.92/-18.13	-18.63/-18.88	-18.49/-19.22
Θ (157.5°)	-18.63/-18.05	-18.18/-18.58	-18.86/-18.24	-18.56/-18.46	-18.32/-18.54	-18.86/-18.19	-18.14/-18.71	-18.9/-18.31	-18.14/-17.83	-18.29/-18.15	-18.28/-17.81	-17.68/-17.82	-18.17/-17.58	-18.53/-17.37	-18.61/-18.51	-17.65/-18.88	-17.48/-17.39	-18.02/-19.01	-17.95/-19.06	-18.52/-17.73	-18.95/-17.32	-18.85/-18.57	-17.08/-18.46	-17.35/-18.33
Θ (165°)	-18.48/-19.1	-18.92/-18.82	-18.52/-19.12	-17.52/-18.32	-18.45/-17.82	-17.39/-18.56	-17.93/-19.19	-18.98/-18.32	-18.12/-19.16	-18.81/-19.19	-18.52/-18.57	-17.69/-17.36	-18.39/-19.35	-18.23/-17.42	-16.19/-16.41	-17.84/-17.11	-14.92/-13.73	-15.11/-18.78	-17.3/-18.54	-19.49/-18.42	-18.53/-18.47	-18.07/-19.33	-18.81/-19.34	-18.66/-18.37
Θ (172.5°)	-17.97/-18.13	-17.24/-17.93	-18.4/-18.93	-18.36/-18.29	-17.56/-18.56	-18.45/-18.22	-18.93/-17.31	-18.13/-18.08	-18.79/-18.04	-18.24/-18.53	-18.6/-18.22	-17.89/-17.79	-17.72/-17.69	-15.61/-13.18	-12.2/-12.12	-12.12/-12.61	-13.51/-14.34	-15.74/-18.68	-17.69/-18.89	-17.13/-17.46	-18.96/-17.54	-18.77/-17.77	-18.87/-18.72	-19.29/-18.47
Θ (180°)	-18.53/-18.57	-18.62/-19.26	-19.12/-19.21	-19.03/-17.8	-17.29/-18	-17.52/-18.87	-19.06/-18.57	-19.37/-18.29	-17.66/-18.84	-18.51/-17.58	-18.23/-18.82	-19.33/-18.64	-18.08/-18.32	-18.78/-18.37	-18.89/-17.55	-17.58/-18.73	-17.34/-19.21	-18.81/-18.29	-18.62/-17.8	-18.05/-17.89	-18.07/-18.68	-18.71/-17.37	-19.08/-18.45	-18.69/-19.44
Freq(Hz)	6.475GPol.	PhiAnt. 3	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ (0°)	1.242/3.1	3.183/8.4	4.334/6.4	4.664/6.1	4.54/1.9	3.7/3	2.11/0.1	-0.42/-2.32	-5.05/-8.85	-14.39/-13.45	-8.41/-4.59	-2.04/-1.1	1.312/36	3.053/63	4.144/45	4.634/64	4.494/22	3.813/22	2.331/13	-0.35/-2.35	-5.34/-9.91	-18.11/-15.45	-8.28/-4.64	-2.15/-0.15
Θ (7.5°)	1.362/5.1	3.373/9.6	4.394/7.2	4.814/8.6	4.754/5.2	4.123/4.4	2.531/3.4	-0.24/-2.29	-5.15/-9.61	-18.53/-15.08	-8.34/-4.45	-1.91/-0.14	1.082/02	2.62/3.2	3.643/95	4.174/2	4.063/81	1.870/66	-1.02/-3.17	-6.10/-22	-15.84/-13.42	-8.03/-4.49	-1.820/05	
Θ (15°)	0.64/1.73	2.64/3.19	3.69/4	4.24/3.8	4.564/5.2	4.253/5.4	2.490/9.2	-1.27/-4.25	-8.84/-15.58	-17.83/-13.71	-9.45/-6.05	-3.18/-1.11	0.421/57	2.453/21	3.693/82	3.773/42	2.962/48	2.031/43	0.73/-0.33	-1.92/-3.97	-6.78/-10.77	-14.28/-12.56	-8.12/-4.85	-2.57/-0.75
Θ (22.5°)	-0.350/3.3	1.221/9.1	2.42/8.6	3.24/3.7	4.014/17	4.073/49	2.481/12	-0.8/-3.49	-7.41/-13.81	-18.15/-13.21	-8.68/-5.56	-2.91/-0.1	0.381/67	2.663/05	2.842/42	2.031/65	1.330/99	0.860/83	0.640/03	-1.36/-3.85	-8/-15.26	-16.65/-10.9	-17.15/-4.76	-3.05/-1.31
Θ (30°)	0.360/28	0.150/39	1.021/38	1.511/76	2.052/35	2.252/21	2.171/55	0.27/-1.82	-5.13/-9.95	-18.81/-12.99	-6.29/-3.17	-1.31/-0.35	0.170/88	1.551/47	1.091/07	1.471/62	1.350/96	0.811/1	1.51/52	0.69/-1.6	-4.23/-9.95	-15.42/-4.26	-1.09/-0.16	
Θ (37.5°)	1.51/26	0.450/58	1.10/92	0.27/0	-0.030/0.2	0.040/79	1.330/82	-1.08/-3.44	-6.03/-10.95	-18.91/-12.33	-5.94/-2.71	-0.540/58	0.42/-0.05	0.190/14	-0.06/-0.3	-0.29/-0.56	-0.93/-1.1	-0.540/05	0.15/-0.17	-1.14/-2.98	-5.8/-10.49	-18.5/-11.58	-5.14/-1.95	0.071/12
Θ (45°)	0.850/35	-0.6/-0.66	-0.26/-0.55	-1.05/-1.25	-1.34/-1.44	-0.580/87	1.08/-0.25	-3.5/-67	-7.42/-12.72	-18.51/-9.3	-6.8/-5.18	-2.52/-0.07	0.48/-0.43	-1.36/-1.14	-0.72/-1.63	-1.84/-2.51	-3.93/-3.54	-1.09/-0.14	-0.43/-1.14	-2.17/-4.11	-7.09/-12.94	-19.29/-12.45	-5.41/-3.2	-1.280/06
Θ (52.5°)	-1.2/-1.2	-2.97/-3.86	-3.51/-3.52	-3.24/-3.24	-3.41/-2.64	-0.56/-0.5	-0.23/-1.3	-2.49/-4.55	-9.02/-17.91	-14.02/-7.68	-6.03/-5.05	-3.76/-2.1	-1.59/-1.7	-3.55/-3.97	-3.51/-3.71	-1.26/-1.62	-2.28/-1.47	-2.01/-2.65	-3.64/-9.5	-8.72/-14.18	-15.75/-11.61	-5.17/-3.99	-2.9/-2.36	
Θ (60°)	-2.42/-1.88	-3.94/-6.2	-7.43/-7.28	-7.04/-6.64	-7.51/-5.77	-2.37/-1.9	-2.56/-3.19	-4.39/-5.38	-10.39/-17.46	-18.53/-11.32	-8.88/-7.74	-5.61/-5.74	-4.73/-3.7	-4.26/-7.56	-5.72/-6.62	-8.73/-14.02	-17.12/-12.19	-5.47/-3.93	-5.04/-5.75	-5.9/-6.64	-8.55/-15.51	-17.25/-10.85	-4.05/-4.35	-4.49/-4.13
Θ (67.5°)	-2.47/-2.32	-3.97/-6.4	-9.15/-11.4	-9.49/-8.03	-10.06/-7.64	-3.25/-2.86	-1.61/-2.15	-4.98/-13.3	-10.98/-14.73	-18.89/-8.74	-9/-9.58	-6.07/-5.86	-5.93/-5.37	-6.21/-10.09	-18.1/-7.52	-11.81/-11.95	-11.79/-10.78	-3.02/-1.48	-3.95/-3.31	-5.14/-5.61	-10.78/-16.68	-15.34/-10.24	-4.42/-5.06	-5.73/-5.33
Θ (75°)	-4.19/-3.14	-4.91/-6.85	-11.91/-12.96	-9.39/-8.01	-13.58/-8.68	-5.16/-4.65	-2.88/-3.92	-4.3/-8.52	-9.24/-12.79	-18.27/-7.78	-7.74/-8.74	-6.79/-6.87	-6.13/-7.05	-7.25/-15.31	-12.7/-10.49	-13.06/-11.77	-9.28/-4.32	-1.220/73	-5.98/-3.99	-11.46/-17.96	-14.56/-11.55	-5.98/-6.41	-1.77/-6.81	
Θ (82.5°)	-4.39/-3.91	-5.74/-8.86	-14.23/-12.6	-10.46/-9.18	-17.28/-9.8	-9.69/-7.49	-6.16/-8.94	-6.77/-9.34	-9.8/-13.47	-15.92/-9.25	-8.5/-8.34	-7.26/-8.54	-7.82/-8.16	-9.45/-15.48	-14.68/-13.64	-13.33/-10.5	-9.36/-3.18	-0.590/75	-1.73/-3.27	-2.97/-5.17	-10.7/-18.98	-14.34/-12.42	-7.3/-6.61	-7.8/-6.91
Θ (90°)	-6.28/-5.43	-6.96/-10.43	-17.71/-15.48	-13.72/-10.32	-18.17/-12.46	-17.45/-10.34	-8.04/-11.68	-10.3/-8.96	-10.09/-12.09	-18.88/-12.33	-11.22/-9.99	-11.58/-12.52	-12.85/-10.49	-11.37/-17.78	-13.6/-14.67	-13.62/-13.73	-12.91/-5.72	-2.59/-1.58	-3.61/-5.3	-4.36/-6.68	-11.78/-17.95	-15.25/-12.58	-10.02/-8.73	-9.49/-8.73
Θ (97.5°)	-5.66/-7.49	-6.75/-13.79	-18.36/-18.22	-16.21/-11.81	-18.83/-13.37	-17.17/-10.37	-10.01/-11.02	-15.06/-9.9	-11.73/-16.27	-17.15/-14.7	-14.06/-13.12	-14.46/-18.56	-15.17/-18.2	-16.88/-17.28	-16.07/-9.69	-7.02/-5.96	-7.43/-9.96	-7.86/-10.18	-17.86/-17.25	-15.42/-14.66	-12.11/-9.75	-12.11/-9.75	-12.11/-9.75	
Θ (105°)	-13.32/-11.73	-13.72/-18.06	-18.1/-18.94	-19.31/-16.4	-18.85/-17.43	-14.72/-14.24	-10.82/-10.1	-14.21/-11.76	-14.23/-18.73	-18.51/-17	-11.27/-12.42	-18.33/-15.69	-16.22/-14.83	-19.1/-17.92	-18.9/-19.2	-17.19/-18.13	-17.97/-14.51	-12.52/-11.5	-11.65/-15.49	-11.92/-12.58	-17.74/-18.29	-17.09/-16.23	-12.87/-13.12	-16/-14.66
Θ (112.5°)	-14.45/-12.48	-15.03/-16.6	-18.95/-18.29	-17.89/-12.12	-18.82/-18.94	-17.4/-13.81	-10.31/-12.97	-18.44/-16.11	-16.39/-18.66	-18/-17.39	-13.26/-15.47	-17.85/-16.79	-16.65/-17.04	-17.37/-18.77	-18.86/-17.93	-17.07/-18.37	-17.78/-13.37	-10.11/-9.61	-11.55/-12.44	-16.75/-12.83	-17.58/-15.12	-15.41/-14.76	-17.35/-15.91	
Θ (120°)	-15.69/-15.97	-17.92/-17.48	-18.59/-17.65	-17.75/-18.79	-18.18/-17.33	-16.71/-18.11	-17.21/-17.3	-16.07/-17.73	-18.82/-18.54	-18.38/-15.95	-15.18/-17.23	-18.32/-18.94	-18.34/-18.35	-18.19/-17.49	-18.03/-18.69	-18.05/-17.74	-18.86/-19.71	-14.4/-14.58	-19.02/-15.69	-15.41/-18.99	-18.23/-18.22	-17.47/-16.23	-14.35/-14.51	-18.24/-15.25
Θ (127.5°)	-18.65/-18.27	-18.54/-18.69	-18.59/-18.76	-18.86/-18.65	-18.63/-18.06	-17.96/-14.27	-14.34/-14.5	-19.47/-17.94	-16.58/-19.18	-18.37/-19.55	-18.05/-17.7	-18.84/-18.4	-17.85/-18.02	-18.37/-17.17	-18.55/-17.85	-18.03/-17.62	-18.05/-18.18	-18.26/-17.27	-18.13/-18.01	-18.42/-18.55	-17.93/-18.57	-18.53/-18.38	-17.78/-18.16	-19.17/-17.95
Θ (135°)	-18.18/-17.67	-17.45/-17.98	-17.72/-17.66	-18.04/-18.75	-17.45/-17.82	-17.85/-18.82	-19.3/-18.37	-18.86/-15.86	-16.91/-18.19	-17.41/-18.77	-18.06/-18.3	-17.78/-18.06	-18.08/-18.33	-19.06/-19.04	-18.96/-17.45	-18.72/-14.08	-18.17/-18.74	-15.14/-18.53	-17.71/-17.04	-13.82/-19.34	-17.47/-16.54	-17.2/-18.26	-18.23/-15.56	-17.73/-17.67
Θ (142.5°)	-17.52/-19.01	-18.64/-19.27	-17.97/-18.61	-18.28/-18.03	-19.01/-18.05	-18.47/-17.81	-18.74/-17.69	-17.9/-19.3	-17.36/-18.54	-18.83/-17.27	-17.08/-18.29	-18.5/-17.34	-18.19/-18.13	-17.51/-18	-17.85/-17.38	-18.65/-19.03	-19.29/-18.79	-17.59/-18.78	-14.58/-16.9	-19.24/-18.11	-19.04/-18.18	-18.6/-18.9	-18.18/-18.95	-18.3/-17.3
Θ (150°)	-18																							



Radiated Composite Gain Data_5GHz UNII-2C~3, 6GHz-4TX(Radio 2)

Appendix D

Θ(157.5°)	-17.67/-16.69	-17.68/-17.89	-18.16/-18.58	-19.2/-18.52	-17.94/-18.23	-18.23/-15.62	-16.75/-18.84	-17.97/-18.69	-18.65/-17.44	-18.77/-18.22	-17.57/-17.59	-18.07/-18.59	-18.3/-18.5	-15.74/-15.22	-17.41/-19.14	-18.62/-17.77	-18.38/-18.59	-15.86/-15.08	-18.08/-18.18	-18.71/-16.84	-13.41/-13.45	-15.46/-16.82	-18.95/-18.81	-18.97/-18.7
Θ(165°)	-19.11/-18.28	-18.41/-18.42	-19.22/-17.82	-18.16/-18.51	-17.44/-18.05	-18.38/-18.22	-18.86/-18.28	-18.98/-18.43	-17.71/-18.97	-18.25/-17.8	-16.3/-18.14	-18.12/-17.8	-18.8/-18.51	-15.54/-16.39	-19.32/-18.85	-18.5/-17.42	-15.23/-15.57	-19.15/-19.47	-18.03/-18.74	-17.98/-18.48	-18.44/-17.9	-18.01/-17.3	-17.42/-17.81	-17.9/-18.04
Θ(172.5°)	-18.45/-18.83	-17.42/-19.79	-17.18/-16.87	-16.45/-18.3	-18.73/-19.16	-17.97/-18.21	-18.98/-19.19	-17.17/-15.87	-14.96/-14.88	-15.58/-16.76	-18.68/-18.4	-18.38/-19.7	-18.61/-17.98	-17.01/-16.12	-14.96/-14.17	-18.73/-12.07	-12.04/-12.51	-12.9/-14.05	-15.11/-15.27	-18.73/-14.29	-13.79/-14.55	-15.48/-16.74	-17.51/-19.33	-17.31/-19.18
Θ(180°)	-19.32/-18.74	-17.65/-17.8	-16.77/-16.53	-17.27/-18.3	-17.66/-19.31	-17.55/-17.6	-16.84/-17.02	-17.31/-16.57	-16.5/-17.42	-17.48/-18.85	-18.24/-18.08	-17.94/-18.92	-17.46/-18.12	-18.61/-18.52	-17.92/-17.78	-18.09/-18.67	-18.87/-19.04	-19.37/-17.86	-18.58/-18.62	-18.52/-18.2	-17.75/-17.97	-18.8/-18.24	-17.54/-18	-17.72/-18
Freq(Hz)	6.995GPol.	PhiAnt.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	4.82/5.62	6.12/6.5	6.78/6.79	6.75/6.51	6.23/5.7	4.98/4.04	2.79/1.19	-0.99/-4.17	-9.5/-18.65	-12.06/-5.47	-2.01/0.53	2.27/3.68	4.68/5.47	6.11/6.58	6.83/7.01	7.02/6.83	6.53/6.03	5.37/4.42	3.21/1.62	-0.69/-3.56	-8.15/-17.15	-11.58/-5.5	-1.86/0.42	2.33/3.83
Θ(7.5°)	3.88/4.82	5.36/6.07	6.54/6.89	7.07/7.14	7.02/6.65	6.04/5.21	4.05/2.52	0.41/-2.61	-7.5/-14.95	-10.38/-4.68	-1.26/1.07	2.84/0.5	4.91/5.62	5.99/6.24	6.39/6.36	6.22/6.01	5.64/5.08	4.35/3.34	2.07/0.51	-1.64/-4.67	-9.91/-18.4	-13.01/-6.39	-2.87/-0.54	1.41/2.79
Θ(15°)	2.7/3.26	3.73/4.52	5.16/5.98	6.57/7.02	7.14/7.03	6.56/5.8	4.77/3.41	1.4/-1.27	-5.62/-14.06	-15.49/-6.81	-2.6/0.09	2.11/3.67	4.63/5.34	5.58/5.71	5.73/5.58	5.44/5.24	4.99/4.67	4.21/3.63	2.87/1.97	0.57/-1.51	-4.62/-10.17	-18.02/-9.69	-3.99/-0.88	0.92/2.07
Θ(22.5°)	2.16/2.21	2.29/2.66	3.56/4.59	5.61/6.18	6.35/6.17	5.63/4.78	3.51/1.6	-1.04/-4.56	-8.87/-18.2	-17.52/-9.35	-4.42/-1.31	0.86/2.72	3.99/4.61	4.92/5.17	5.12/4.71	4.09/3.39	2.84/2.64	2.63/2.56	2.13/1.12	-0.42/-2.57	-5.86/-10.68	-17.19/-11.88	-5.46/-1.62	0.77/1.82
Θ(30°)	0.5/0.69	0.98/1.03	1.13/2.08	3.46/4.33	4.68/4.53	4.18/3.43	2.18/0.5	-1.32/-3.16	-6.47/-16.02	-14.45/-6.34	-3.09/-1.8	-0.99/0.66	2.29/3.25	3.71/3.79	3.53/2.97	2.0/8.2	0.59/1.37	0.57/1.27	2.09/2.41	0.2/-2.2	-6.18/-12.7	-15.84/-10.23	-6.02/-2.47	-0.46/0.34
Θ(37.5°)	-0.38/0.13	0.35/-0.75	-1.72/-1.3	-0.15/0.87	1.91/2.47	2.53/2.3	1.83/1.2	0.74/-0.38	-3.21/-9.94	-18.43/-6.02	-1.91/-0.22	-0.13/0.21	1.34/2.04	1.96/1.34	0.96/0.24	-0.89/-1.32	-0.48/0.77	1.28/1.35	1.01/0.66	0.06/-2.07	-5.82/-12.25	-18.78/-11.27	-5.69/-2.28	-0.95/-0.74
Θ(45°)	-1.54/-0.94	-0.64/-2.17	-3.79/-2.86	-2.6/-2.38	-1.23/-0.52	-0.15/0.34	0.95/0.77	-0.76/-2.68	-5.36/-11.59	-17.79/-9.13	-4.02/-0.52	0.67/1.22	1.35/0.5	-0.41/-1.44	-2.31/-3.5	-3.76/-3.88	-1.72/0.64	-0.76/-1.15	-2.04/-2.31	-1.79/-3.02	-6.06/-10.59	-18.9/-11.17	-6.21/-3.56	-2.68/-3.13
Θ(52.5°)	-5.6/-4.51	-4.79/-6.65	-6.99/-5.16	-6/-5.65	-3.94/-3.18	-1.96/-0.17	1.32/1.06	-0.66/-2.56	-5.45/-12.78	-13.77/-6.77	-4.06/-1.96	-0.38/-0.4	-0.29/-2.28	-3.69/-3.84	-4.48/-5.96	-7.23/-6.75	-4.57/-3.98	-4.52/-5.65	-6.72/-6.81	-6.65/-7.04	-8.7/-12.41	-18.94/-10.62	-7.52/-5.84	-6.15/-6.21
Θ(60°)	-1.08/-9.25	-9.45/-12.43	-13.52/-9.18	-10.14/-8.32	-8.55/-7.02	-3.8/-1.54	-1.21/-1.49	-6.45/-3.56	-8/-19.21	-19.54/-11.35	-7.6/-5.36	-3.8/-4.07	-3.15/-4.01	-6.25/-6.97	-6.53/-12.2	-9.98/-11.67	-9.7/-8.73	-9.77/-10.87	-10.29/-11.86	-11.95/-13.18	-12.97/-13.91	-18.04/-10.76	-7.97/-7.29	-7.37/-9.79
Θ(67.5°)	-11.12/-8.64	-9.91/-14.78	-18.49/-14.83	-14.48/-12.21	-11.44/-7.8	-5.4/-3.06	-4.58/-4.18	-5.15/-6.09	-12.48/-18.82	-18.02/-13.08	-9.38/-6.15	-5.28/-6.11	-5.45/-4.22	-6.96/-9.58	-10.64/-15.76	-18.19/-16.44	-16.22/-10.33	-8.87/-10.91	-10.16/-12.35	-10.37/-14.14	-15.4/-17.64	-13.25/-9.3	-8.94/-6.72	-7.99/-12.35
Θ(75°)	-10.65/-9.09	-12.46/-13.34	-16.66/-17.85	-17.14/-19.87	-13.49/-10.85	-7.37/-3.76	-4.43/-3.17	-5.61/-5.29	-9.08/-14.76	-19.25/-9.75	-7.72/-5.41	-4.87/-5.04	-5.51/-5.48	-6.91/-12.27	-11.73/-16.51	-17.35/-18.37	-15.05/-11.68	-7.82/-7.79	-9.8/-11.55	-8.21/-10.9	-17.95/-18.95	-11.77/-10.68	-8.74/-8.01	-9.61/-14.16
Θ(82.5°)	-11.07/-10.35	-15.27/-13.97	-17.38/-19.31	-15.14/-18.32	-13.25/-19.32	-6.91/-5.38	-3.91/-3.36	-4.21/-5.17	-8.24/-13.7	-18.48/-8.58	-7.76/-4.43	-4.23/-4.76	-6.31/-6.39	-9.1/-15.49	-16.31/-19.17	-18.81/-19.25	-12.91/-11.33	-8.55/-7.64	-10.97/-10.74	-6.88/-8.69	-15.01/-18.6	-11.63/-12.52	-9.41/-8.64	-10.55/-13.4
Θ(90°)	-12.06/-11.66	-18.08/-17.51	-17.85/-17.45	-16.33/-18.04	-17.84/-17.82	-7.39/-8.41	-4.93/-5.95	-3.73/-5.99	-8.94/-13.84	-18.57/-10.9	-8.5/-5.44	-5.26/-6.96	-7.61/-7.94	-12.33/-15.91	-17.99/-17.52	-18.69/-19.02	-18.8/-13.09	-12.99/-9.58	-14.05/-12.23	-7.86/-9.52	-13.38/-17.98	-12.88/-12.19	-10.33/-8.94	-11.04/-16.73
Θ(97.5°)	-12.64/-16.96	-18.13/-18.47	-18.23/-19.12	-19.43/-17.43	-18.91/-18.35	-10.38/-9.68	-7.71/-8.09	-5.16/-9.37	-9.14/-16.95	-18.11/-12.87	-9.47/-7.21	-6.49/-9.54	-10.64/-10.55	-15.96/-17.93	-17.63/-17.93	-18.83/-18.84	-18.74/-18.4	-18.75/-13.63	-19.01/-14.47	-10.59/-13.04	-15/-18.72	-15.58/-14.23	-10.27/-10.3	-11.44/-17.97
Θ(105°)	-17.81/-16.16	-18.42/-17.89	-18.41/-18.74	-17.92/-17.61	-18.51/-18.72	-17.26/-12.32	-11.99/-9.55	-8.19/-12.16	-12.27/-9.96	-18.54/-14.07	-10.23/-9.6	-8.77/-11.02	-11.1/-12.59	-15.38/-18.16	-17.72/-18.18	-18.99/-17.95	-17.57/-17.99	-18.88/-14.43	-17.96/-15.47	-18.16/-14.32	-15.14/-18.57	-17.97/-14.2	-12.81/-12.19	-14.2/-18.16
Θ(112.5°)	-18.68/-18.12	-18.21/-18.99	-18.26/-18.68	-18.19/-19.2	-18.98/-19.41	-17.76/-15.69	-16.76/-12.14	-12.28/-10.91	-15.09/-18.01	-17.25/-16.36	-12.31/-11.78	-11/-13.28	-13.75/-11.99	-16.77/-18.78	-18.7/-18.69	-18.77/-18.53	-19.12/-18.98	-17.87/-17.85	-18.54/-19.13	-16.32/-12.88	-14.2/-19.34	-15.17/-18.98	-11.27/-14.85	-16.25/-18.6
Θ(120°)	-17.9/-18.75	-18.08/-17.75	-18.96/-19.45	-18.87/-18.63	-18.9/-18.94	-18.2/-16.59	-15.43/-16	-14.6/-13.93	-15.74/-17.71	-18.95/-17.59	-16.67/-15.1	-15.55/-15.13	-16.83/-19.03	-18.25/-17.87	-17.9/-18.15	-18.83/-19.03	-18.75/-18.81	-18.64/-19.31	-18.9/-15.25	-16.82/-18.75	-17.36/-16.91	-13.23/-17.74	-14.35/-18	-14.35/-18
Θ(127.5°)	-18.5/-18.21	-19.08/-17.36	-19.06/-18.81	-18.73/-18	-18.71/-17.54	-18.07/-17.87	-17.62/-17.81	-15.64/-16.93	-15.11/-16.94	-18.96/-18.82	-18.79/-18.9	-18.96/-17.72	-19.01/-17.97	-19.26/-18.39	-17.6/-18.4	-18.42/-18.61	-17.29/-17.87	-18.89/-18.3	-18.46/-18.69	-17.81/-16.24	-18.45/-17.8	-13.28/-18.66	-19.28/-18.55	-19.04/-17.53
Θ(135°)	-17.66/-15.86	-19.3/-18.57	-18.72/-18.3	-18.86/-17.72	-18.21/-18.6	-18.44/-18.05	-17.92/-18.67	-17.98/-14.76	-13.67/-18.86	-17.96/-19.29	-18.85/-17.57	-18.48/-19.27	-17.98/-18.29	-17.15/-18.58	-18.45/-18.79	-17.72/-17.82	-18.72/-18.48	-17.89/-18.64	-18.68/-18.7	-12.3/-15.59	-18.51/-13.8	-12.7/-14.77	-15.16/-16.35	-18.15/-18.23
Θ(142.5°)	-19.01/-18	-17.99/-17.71	-18.26/-17.51	-17.77/-18.21	-17.46/-17.82	-17.76/-17.74	-17.89/-18.82	-17.65/-16.96	-18.97/-19.01	-19.02/-16.46	-16.38/-17.5	-18.86/-18.32	-13.57/-18.47	-18.06/-18.44	-18.06/-13.89	-18.02/-17.18	-18.94/-18.16	-17.75/-19.05	-15.51/-18.6	-19.24/-18.7	-18.12/-19.43	-16.14/-17.72	-16.97/-17.38	-18.44/-19.03
Θ(150°)	-18.54/-18.74	-19.27/-18.76	-19.08/-18.78	-18.04/-18.5	-18.4/-17.45	-17.11/-18.53	-18.42/-19.23	-19.14/-19.2	-18.39/-19.16	-19.09/-18.98	-18.29/-18.5	-18.22/-18.28	-17.33/-16.65	-18.24/-19	-18.55/-18.23	-17.91/-17.44	-18.76/-19.05	-15.35/-14.34	-18.95/-18.64	-18.95/-18.42	-18.32/-17.81	-19.09/-18.96	-18.44/-17.37	-18.44/-17.37
Θ(157.5°)	-18.37/-18.5	-17.73/-17.62	-18.88/-18.65	-18.98/-17.5	-18.07/-17.7	-18.36/-18.48	-18.49/-18.65	-18.54/-17.2	-17.34/-19.21	-17.97/-18.41	-16.55/-14.19	-15.63/-17.83	-18.22/-19.07	-17.37/-18.89	-16.12/-16.96	-19.04/-18.48	-19.12/-18.46	-16.8/-19.15	-14.94/-13.32	-18.41/-17.61	-18.94/-18.4	-18.36/-18.58	-16.66/-15.84	-14.43/-17.05
Θ(165°)	-18.05/-18.42	-18.05/-18.89	-19.05/-19.05	-17.26/-17.76	-18.1/-18.18	-18.38/-18.85	-17.68/-18.31	-18.78/-18.97	-17.97/-19.44	-18.07/-18.16	-18.49/-17.72	-18.06/-19.16	-18.07/-17.15	-18.82/-17.52	-17.75/-16.92	-19.07/-18.24	-18.48/-18.25	-17.48/-19.24	-18.59/-14.43	-15.43/-17.61	-18.01/-18	-18.08/-18.43	-15.98/-15.91	-18.01/-18.4
Θ(172.5°)	-17.65/-17.91	-18.23/-18.66	-17.53/-19.71	-18.98/-17.77	-18.44/-18.03	-17.22/-17.21	-16.73/-16.86	-17.47/-17.85	-18.19/-18.09	-17.75/-18.09	-19.48/-18.64	-18.69/-18.68	-17.58/-15.91	-15.33/-15.14	-15.84/-19.19	-18.98/-18.32	-18.19/-18.81	-18.96/-17.94	-17.64/-18.67	-18.65/-18.2	-19.35/-18.93	-18.88/-18.82	-17.58/-19.02	-17.74/-18.79
Θ(180°)	-17.36/-17.77	-18.43/-17.19	-18.33/-18.15	-17.54/-18.79	-18.44/-18.13	-18.16/-18.43	-17.74/-18.2	-17.37/-17.72	-18.94/-17.95	-19.08/-18.55	-19.01/-17.56	-17.94/-18.38	-18.94/-17.76	-18.36/-19.18	-18.94/-18.04	-17.97/-18.03	-18.79/-18.57	-17.34/-16.81	-17.32/-17.2	-17.3/-17.55	-18.78/-18.19	-19.31/-18.02	-18.84/-18.92	-17.79/-18.29
Freq(Hz)	6.995GPol.	ThetaAnt.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)/Φ(7.5°)	Φ(15°)/Φ(22.5°)	Φ(30°)/Φ(37.5°)	Φ(45°)/Φ(52.5°)	Φ(60°)/Φ(67.5°)	Φ(75°)/Φ(82.5°)	Φ(90°)/Φ(97.5°)	Φ(105°)/Φ(112.5°)	Φ(120°)/Φ(127.5°)	Φ(135°)/Φ(142.5°)	Φ(150°)/Φ(157.5°)	Φ(165°)/Φ(172.5°)	Φ(180°)/Φ(187.5°)	Φ(195°)/Φ(202.5°)	Φ(210°)/Φ(217.5°)	Φ(225°)/Φ(232.5°)	Φ(240°)/Φ(247.5°)	Φ(255°)/Φ(262.5°)	Φ(270°)/Φ(277.5°)	Φ(285°)/Φ(292.5°)	Φ(300°)/Φ(307.5°)	Φ(315°)/Φ(322.5°)	Φ(330°)/Φ(337.5°)	Φ(345°)/Φ(352.5°)
Θ(0°)	3.27/1.82	0.31/-3.31	-8.16																					