



Antenna Composite Gain Test Report

FCC ID	UDX-600201010
Equipment	Cisco Wireless 9176I Series Wi-Fi 7 Access Point, Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point
Brand Name	CISCO
Model Name	CW9176I, CW9176D1
Applicant	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Standard	KDB662911 D03 v01
Sample Received	Mar. 07, 2024
Start Test Date	Mar. 11, 2024
Final Test Date	May 16, 2024

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....	3
1. Operation Mode and Antenna Information	4
2. Table for Multiple Listing	7
3. Test Frequency	8
4. Testing Location.....	8
5. Test Facility and Configuration.....	9
6. Reference Calibration	10
7. Test Method	11
8. Measured Values and Calculation of Maximum Gain Positions.....	12
9. Summary of Test Result	25
10. Test Setup	33
11. Test Equipment and Calibration Data	34
12. Test Results	35

History of this test report

[illegible]

1. Operation Mode and Antenna Information

For EUT 1:

Antenna Position	Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Modes of Operation
2G5GAnt1	1	1	WNC	95XEAK15.GAV	PCB	I-PEX	2.4GHz, 5GHz
2G5GAnt2	2	3	WNC	95XEAK15.GAW	PCB	I-PEX	
2G5GAnt3	3	2	WNC	95XEAK15.GAY	PIFA	I-PEX	
2G5GAnt4	4	4	WNC	95XEAK15.GAX	PIFA	I-PEX	
5GAnt1	1	2	WNC	95XEAK15.GAZ	PCB	I-PEX	5GHz
5GAnt2	2	3	WNC	95XEAK15.GB1	PCB	I-PEX	
5GAnt3	3	1	WNC	95XEAK15.GB2	PIFA	I-PEX	
5GAnt4	4	4	WNC	95XEAK15.GB3	PIFA	I-PEX	
6GAnt1	1	1	WNC	95XEAK15.GB4	PCB	I-PEX	6GHz
6GAnt2	2	2	WNC	95XEAK15.GB5	PCB	I-PEX	
6GAnt3	3	3	WNC	95XEAK15.GB7	PIFA	I-PEX	
6GAnt4	4	4	WNC	95XEAK15.GB6	PIFA	I-PEX	
ScanAnt1	1	2	WNC	95XEAK15.GBB	PIFA	I-PEX	2.4GHz, 5GHz, 6GHz
ScanAnt2	2	1	WNC	95XEAK15.GBA	PIFA	I-PEX	
BLE	3	1	WNC	95XEAK15.GB8	PIFA	I-PEX	Bluetooth and Zigbee

Note:

For Radio 1

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

For 1TX

2G5GAnt1 can be use as transmitting antenna.

For 2TX

2G5GAnt1 and 2G5GAnt3 can be use as transmitting antenna.

2G5GAnt1 and 2G5GAnt3 could transmit simultaneously.

For 4TX/4RX

2G5GAnt1~4 can be used as transmitting/receiving antenna.

2G5GAnt1~4 could transmit/receive simultaneously.

For Radio 2

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

For 1TX

5GAnt3 can be use as transmitting antenna.

For 2TX

5GAnt1 and 5GAnt3 can be use as transmitting antenna.

5GAnt1 and 5GAnt3 could transmit simultaneously.

For 4TX/4RX

5GAnt1~4 can be used as transmitting/receiving antenna.

5GAnt1~4 could transmit/receive simultaneously.



For Radio 3

6GHz Operation Mode (1TX, 2TX, 4TX/4RX)

For 1TX

6GAnt1 can be use as transmitting antenna.

For 2TX

6GAnt1 and 6GAnt2 can be use as transmitting antenna.

6GAnt1 and 6GAnt2 could transmit simultaneously.

For 4TX/4RX

6GAnt1~4 can be used as transmitting/receiving antenna.

6GAnt1~4 could transmit/receive simultaneously.

For Radio 4

2.4GHz, 5GHz and 6GHz Operation Mode (1TX/2RX)

For 1TX

ScanAnt2 can be use as transmitting antenna.

For 2RX

ScanAnt1 and ScanAnt2 can be use as receiving antenna.

For Radio 5

Bluetooth/Zigbee Operation Mode (1TX/1RX)

Only BLE can be used as transmitting/receiving functions.

For EUT 2:

Antenna Position	Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Modes of Operation
2G5GAnt1	1	4	WNC	95XPAD15.G20	Dipole	I-PEX	2.4GHz, 5GHz
2G5GAnt2	2	3	WNC	95XPAD15.G21	Dipole	I-PEX	
2G5GAnt3	3	1	WNC	95XPAD15.G22	Dipole	I-PEX	
2G5GAnt4	4	2	WNC	95XPAD15.G23	Dipole	I-PEX	
5GAnt1	1	1	WNC	95XPAD15.G24	Dipole	I-PEX	5GHz
5GAnt2	2	2	WNC	95XPAD15.G24	Dipole	I-PEX	
5GAnt3	3	3	WNC	95XPAD15.G26	Dipole	I-PEX	
5GAnt4	4	4	WNC	95XPAD15.G26	Dipole	I-PEX	
6GAnt1	1	1	WNC	95XPAD15.G28	Dipole	I-PEX	6GHz
6GAnt2	2	3	WNC	95XPAD15.G30	Dipole	I-PEX	
6GAnt3	3	4	WNC	95XPAD15.G31	Dipole	I-PEX	
6GAnt4	4	2	WNC	95XPAD15.G29	Dipole	I-PEX	
ScanAnt1	1	1	WNC	95XPAD15.G34	Dipole	I-PEX	2.4GHz, 5GHz, 6GHz
ScanAnt2	2	2	WNC	95XPAD15.G35	Dipole	I-PEX	
BLE	3	1	WNC	95XPAD15.G32	loop	I-PEX	Bluetooth and Zigbee

Note:

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

2G5GAnt3 can be use as transmitting antenna.

For 2TX

2G5GAnt3 and 2G5GAnt4 can be use as transmitting antenna.

2G5GAnt3 and 2G5GAnt4 could transmit simultaneously.

For 4TX/4RX

2G5GAnt1~4 can be used as transmitting/receiving antenna.

2G5GAnt1~4 could transmit/receive simultaneously.

For Radio 2
5GHz Operation Mode (1TX, 2TX, 4TX/4RX)
For 1TX

5GAnt1 can be use as transmitting antenna.

For 2TX

5GAnt1 and 5GAnt2 can be use as transmitting antenna.

5GAnt1 and 5GAnt2 could transmit simultaneously.

For 4TX/4RX

5GAnt1~4 can be used as transmitting/receiving antenna.

5GAnt1~4 could transmit/receive simultaneously.

For Radio 3
6GHz Operation Mode (1TX, 2TX, 4TX/4RX)
For 1TX

6GAnt1 can be use as transmitting antenna.

For 2TX

6GAnt1 and 6GAnt4 can be use as transmitting antenna.

6GAnt1 and 6GAnt4 could transmit simultaneously.

For 4TX/4RX

6GAnt1~4 can be used as transmitting/receiving antenna.

6GAnt1~4 could transmit/receive simultaneously.

For Radio 4

2.4GHz, 5GHz and 6GHz Operation Mode (1TX/2RX)

For 1TX

ScanAnt1 can be use as transmitting antenna.

For 2RX

ScanAnt1 and ScanAnt2 can be use as receiving antenna.

For Radio 5

Bluetooth/Zigbee Operation Mode (1TX/1RX)

Only BLE can be used as transmitting/receiving functions.

2. Table for Multiple Listing

The equipment/model names in the following table are identical to each other in all aspects except for the following table:

EUT	Equipment Name	Model Name	SW (Note1)	Description	Accessories
1	Cisco Wireless 9176I Series Wi-Fi 7 Access Point	CW9176I	Cisco	Each model is equipped with different set of antennas.	Bracket 1*1
			Meraki		Bracket 2*1
2	Cisco Wireless 9176D1 Series Wi-Fi 7 Access Point	CW9176D1	Cisco		Bracket 3*1
			Meraki		

Note 1:

SW	Frequencies supported by 320MHz
Cisco	6105, 6265, 6425, 6745 MHz
Meraki	6105, 6265, 6425, 6585, 6745, 6905 MHz

Note 2: The above information was declared by manufacturer.

3. 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
5850-5895	5885
5925-6425	6175
6425-6525	6475
6525-6875	6695
6875-7125	6995

4. 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	Rofy Chen	23.5-24.5 / 45-55	Mar. 11, 2024~ Mar. 13, 2024 (For EUT 1)
		Vivi Jiang	23.5-24.5 / 45-55	Mar. 24, 2024~ May 16, 2024 (For EUT 2)

Note:

Testing Site Information

Brand Name: TDK

Dimension: 11m*6m*6m

Characteristic: Fully Anechoic Chamber

5. Test Facility and Configuration

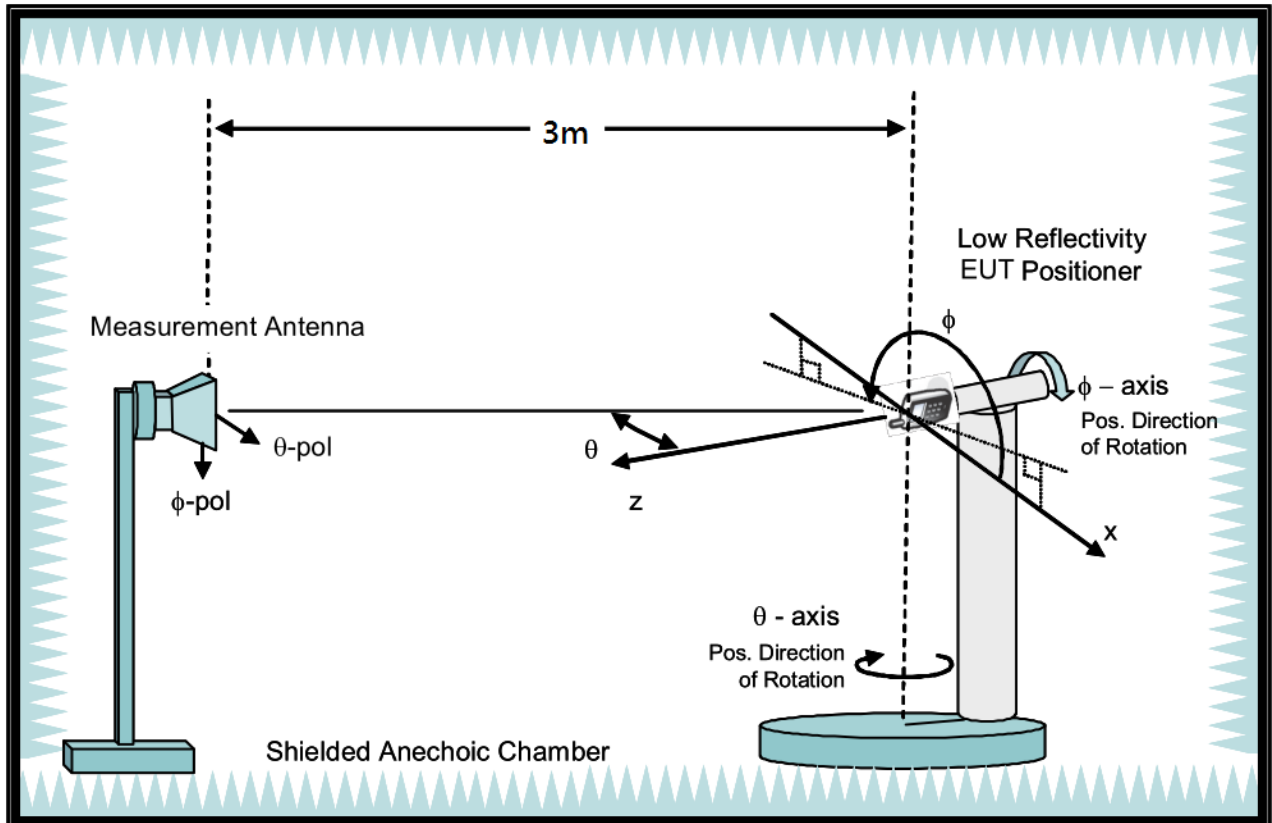
Test configuration: Reference to CITA OTA distributed-axes system configuration.

Chamber: Fully Anechoic Chamber.

Measurement antenna: Dual Polarization Horn antenna

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

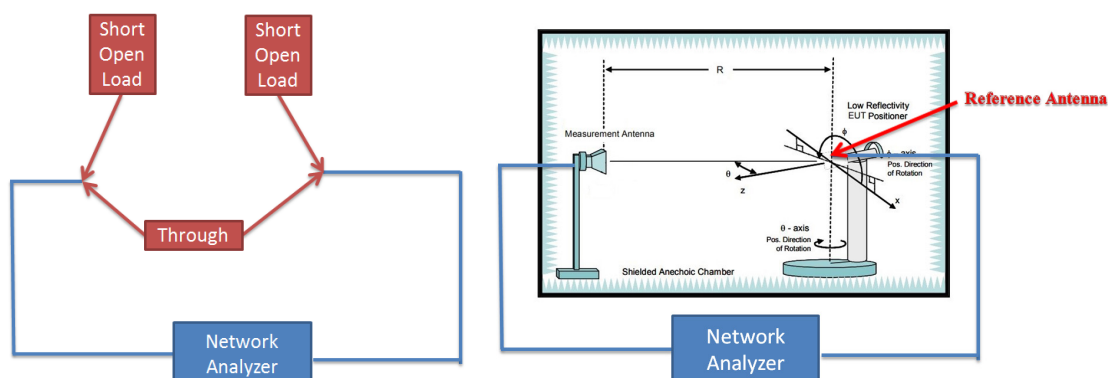
#Reference to CTIA "ctia-test-plan-for-wireless-device-over-the-air-performance-ver-3-7-1"



6. 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	-33.38	-32.91	-32.29	-32.48	-32.25	-32.33	-32.85	-32.67	-33.37	-32.53	-33.75	-34.72	-35.33
G(phi) reading (dB)	-33.11	-32.68	-32.48	-32.45	-32.85	-31.35	-32.76	-32.68	-32.57	-32.81	-32.85	-33.62	-34.33	-35.29
Reference gain (dBi)	10.3	10.3	10.1	11.1	11.3	11.7	12.1	11.5	11.2	11.1	11.3	11	11.1	10.5
Factor(theta) (dB)	43.85	43.68	43.01	43.39	43.78	43.95	44.43	44.35	43.87	44.47	43.83	44.75	45.82	45.83
Factor(phi) (dB)	43.41	42.98	42.58	43.55	44.15	43.05	44.86	44.18	43.77	43.91	44.15	44.62	45.43	45.79

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.

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

7. 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 8 tables.

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

8. Measured Values and Calculation of Maximum Gain Positions

For EUT 1:

For 2G5GAnt1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	4.93	-10.61	3.3	-7.1	-12.17
Ant. 3 (dBi)	-2.07	4.86	-5.01	5.23	4.51
DG [1SS] (dBi)	5.13	3.2	3.11	4.1	2.69
Polarization	Phi	Theta	Phi	Theta	Theta
$\Theta(^{\circ})$	45	67.5	75	67.5	60
$\Phi(^{\circ})$	300	97.5	90	112.5	112.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(4.93/20)}$	$10^{(-10.61/20)}$	$10^{(3.3/20)}$	$10^{(-7.1/20)}$	$10^{(-12.17/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(-2.07/20)}$	$10^{(4.86/20)}$	$10^{(-5.01/20)}$	$10^{(5.23/20)}$	$10^{(4.51/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.764	0.295	1.462	0.442	0.246
Ant. 3 [$10^{(G/20)}$] value	0.788	1.75	0.562	1.826	1.681
Sum All Antenna [Amax]	2.552	2.045	2.024	2.268	1.927
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	5.13	3.2	3.11	4.1	2.69

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)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	3.88	-10.61	3.3	-7.1	-5.69
Ant. 2 (dBi)	1.52	-15.45	1.98	-15.05	-10.23
Ant. 3 (dBi)	-0.19	4.86	-5.01	5.23	2.06
Ant. 4 (dBi)	-3.08	2.96	-8.05	1.96	2.57
DG [1SS] (dBi)	6.92	5.15	5.29	5.34	4.71
Polarization	Phi	Theta	Phi	Theta	Theta
$\Theta(^{\circ})$	45	67.5	75	67.5	60
$\Phi(^{\circ})$	322.5	97.5	90	112.5	217.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(3.88/20)}$	$10^{(-10.61/20)}$	$10^{(3.3/20)}$	$10^{(-7.1/20)}$	$10^{(-5.69/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(1.52/20)}$	$10^{(-15.45/20)}$	$10^{(1.98/20)}$	$10^{(-15.05/20)}$	$10^{(-10.23/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(-0.19/20)}$	$10^{(4.86/20)}$	$10^{(-5.01/20)}$	$10^{(5.23/20)}$	$10^{(2.06/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(-3.08/20)}$	$10^{(2.96/20)}$	$10^{(-8.05/20)}$	$10^{(1.96/20)}$	$10^{(2.57/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.563	0.295	1.462	0.442	0.519
Ant. 2 [$10^{(G/20)}$] value	1.191	0.169	1.256	0.177	0.308
Ant. 3 [$10^{(G/20)}$] value	0.978	1.75	0.562	1.826	1.268
Ant. 4 [$10^{(G/20)}$] value	0.701	1.406	0.396	1.253	1.344
Sum All Antenna [Amax]	4.434	3.62	3.676	3.698	3.439
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	6.92	5.15	5.29	5.34	4.71

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

For 5GAnt1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	2.52	2.27	1.73	2.01
Ant. 3 (dBi)	-2.97	-3.19	-1.48	-4.43
DG [1SS] (dBi)	3.21	2.97	3.28	2.38
Polarization	Phi	Phi	Phi	Phi
$\Theta(^{\circ})$	45	45	45	52.5
$\Phi(^{\circ})$	157.5	45	15	30

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(2.52/20)}$	$10^{(2.27/20)}$	$10^{(1.73/20)}$	$10^{(2.01/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(-2.97/20)}$	$10^{(-3.19/20)}$	$10^{(-1.48/20)}$	$10^{(-4.43/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.337	1.299	1.22	1.26
Ant. 3 [$10^{(G/20)}$] value	0.71	0.693	0.843	0.6
Sum All Antenna [Amax]	2.047	1.991	2.064	1.861
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	3.21	2.97	3.28	2.38

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)	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	2.53	1.18	1.17	0.66
Ant. 2 (dBi)	0.18	-1.16	0.84	-0.59
Ant. 3 (dBi)	-3.95	-1.86	-2.3	-3.56
Ant. 4 (dBi)	-3.58	-2.74	-2.11	-2.43
DG [1SS] (dBi)	5.24	5	5.57	4.69
Polarization	Phi	Phi	Phi	Phi
$\Theta(^{\circ})$	45	37.5	37.5	45
$\Phi(^{\circ})$	165	0	7.5	172.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(2.53/20)}$	$10^{(1.18/20)}$	$10^{(1.17/20)}$	$10^{(0.66/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(0.18/20)}$	$10^{(-1.16/20)}$	$10^{(0.84/20)}$	$10^{(-0.59/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(-3.95/20)}$	$10^{(-1.86/20)}$	$10^{(-2.3/20)}$	$10^{(-3.56/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(-3.58/20)}$	$10^{(-2.74/20)}$	$10^{(-2.11/20)}$	$10^{(-2.43/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.338	1.146	1.144	1.079
Ant. 2 [$10^{(G/20)}$] value	1.021	0.875	1.102	0.934
Ant. 3 [$10^{(G/20)}$] value	0.635	0.807	0.767	0.664
Ant. 4 [$10^{(G/20)}$] value	0.662	0.729	0.784	0.756
Sum All Antenna [Amax]	3.656	3.557	3.797	3.433
DG [$10 \cdot \log(A_{\max}^2/N_{\text{ant}})$]	5.24	5	5.57	4.69

Note:

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

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

For 6GAnt1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 (dBi)	2.91	4.59	2.35	3.15
Ant. 2 (dBi)	3.81	3.79	3.81	3.66
DG [1SS] (dBi)	6.38	7.21	6.12	6.42
Polarization	Phi	Phi	Phi	Phi
$\Theta(^{\circ})$	60	67.5	67.5	75
$\Phi(^{\circ})$	157.5	82.5	75	112.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(2.91/20)}$	$10^{(4.59/20)}$	$10^{(2.35/20)}$	$10^{(3.15/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(3.81/20)}$	$10^{(3.79/20)}$	$10^{(3.81/20)}$	$10^{(3.66/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.398	1.696	1.311	1.437
Ant. 2 [$10^{(G/20)}$] value	1.551	1.547	1.551	1.524
Sum All Antenna [Amax]	2.949	3.243	2.861	2.961
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	6.38	7.21	6.12	6.42

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)	6.175G	6.475G	6.695G	6.995G
Ant. 1 (dBi)	-5.46	3.09	-7.73	2.61
Ant. 2 (dBi)	-8.8	2.45	-9.03	3.73
Ant. 3 (dBi)	4.83	0.84	1.83	0.9
Ant. 4 (dBi)	3.75	-14.03	4.41	-17.76
DG [1SS] (dBi)	6.4	6.14	5.25	6.29
Polarization	Theta	Phi	Theta	Phi
$\Theta(^{\circ})$	67.5	45	60	52.5
$\Phi(^{\circ})$	30	345	30	345

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(-5.46/20)}$	$10^{(3.09/20)}$	$10^{(-7.73/20)}$	$10^{(2.61/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(-8.8/20)}$	$10^{(2.45/20)}$	$10^{(-9.03/20)}$	$10^{(3.73/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(4.83/20)}$	$10^{(0.84/20)}$	$10^{(1.83/20)}$	$10^{(0.9/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(3.75/20)}$	$10^{(-14.03/20)}$	$10^{(4.41/20)}$	$10^{(-17.76/20)}$
Ant. 1 [$10^{(G/20)}$] value	0.533	1.427	0.411	1.351
Ant. 2 [$10^{(G/20)}$] value	0.363	1.326	0.354	1.536
Ant. 3 [$10^{(G/20)}$] value	1.744	1.102	1.235	1.109
Ant. 4 [$10^{(G/20)}$] value	1.54	0.199	1.661	0.129
Sum All Antenna [Amax]	4.18	4.053	3.66	4.125
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	6.4	6.14	5.25	6.29

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

DG_1SS max value position calculation

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(4.93/20)}$	$10^{(-10.61/20)}$	$10^{(3.3/20)}$	$10^{(-7.1/20)}$	$10^{(-12.17/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(-2.07/20)}$	$10^{(4.86/20)}$	$10^{(-5.01/20)}$	$10^{(5.23/20)}$	$10^{(4.51/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.764	0.295	1.462	0.442	0.246
Ant. 3 [$10^{(G/20)}$] value	0.788	1.75	0.562	1.826	1.681
Sum All Antenna [Amax]	2.552	2.045	2.024	2.268	1.927
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	5.13	3.2	3.11	4.1	2.69

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(2.91/20)}$	$10^{(4.59/20)}$	$10^{(2.35/20)}$	$10^{(3.15/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(3.81/20)}$	$10^{(3.79/20)}$	$10^{(3.81/20)}$	$10^{(3.66/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.398	1.696	1.311	1.437
Ant. 2 [$10^{(G/20)}$] value	1.551	1.547	1.551	1.524
Sum All Antenna [Amax]	2.949	3.243	2.861	2.961
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	6.38	7.21	6.12	6.42

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 EUT 2:

For 2G5GAnt1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 3 (dBi)	6	5.2	3.67	4.86	3.55
Ant. 4 (dBi)	5.02	0.21	1.58	0.53	2.18
DG [1SS] (dBi)	8.53	6.07	5.7	5.97	5.9
Polarization	Phi	Theta	Phi	Theta	Phi
$\Theta(^{\circ})$	15	7.5	7.5	7.5	15
$\Phi(^{\circ})$	262.5	345	82.5	352.5	90

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 3 [$10^{(G/20)}$]	$10^{(6/20)}$	$10^{(5.2/20)}$	$10^{(3.67/20)}$	$10^{(4.86/20)}$	$10^{(3.55/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(5.02/20)}$	$10^{(0.21/20)}$	$10^{(1.58/20)}$	$10^{(0.53/20)}$	$10^{(2.18/20)}$
Ant. 3 [$10^{(G/20)}$] value	1.995	1.82	1.526	1.75	1.505
Ant. 4 [$10^{(G/20)}$] value	1.782	1.024	1.199	1.063	1.285
Sum All Antenna [Amax]	3.778	2.844	2.725	2.813	2.79
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	8.53	6.07	5.7	5.97	5.9

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)	6.34	1.17	1.42	3.41	1.43
Ant. 2 (dBi)	4.1	2	2.16	3.83	3.65
Ant. 3 (dBi)	4.13	3.89	3.23	3.08	2
Ant. 4 (dBi)	1.03	1.71	2.02	1.5	3.16
DG [1SS] (dBi)	10.12	8.28	8.25	9.02	8.63
Polarization	Phi	Phi	Phi	Phi	Theta
$\Theta(^{\circ})$	22.5	15	15	15	7.5
$\Phi(^{\circ})$	75	270	262.5	0	7.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(6.34/20)}$	$10^{(1.17/20)}$	$10^{(1.42/20)}$	$10^{(3.41/20)}$	$10^{(1.43/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(4.1/20)}$	$10^{(2/20)}$	$10^{(2.16/20)}$	$10^{(3.83/20)}$	$10^{(3.65/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(4.13/20)}$	$10^{(3.89/20)}$	$10^{(3.23/20)}$	$10^{(3.08/20)}$	$10^{(2/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(1.03/20)}$	$10^{(1.71/20)}$	$10^{(2.02/20)}$	$10^{(1.5/20)}$	$10^{(3.16/20)}$
Ant. 1 [$10^{(G/20)}$] value	2.075	1.144	1.178	1.481	1.179
Ant. 2 [$10^{(G/20)}$] value	1.603	1.259	1.282	1.554	1.522
Ant. 3 [$10^{(G/20)}$] value	1.609	1.565	1.45	1.426	1.259
Ant. 4 [$10^{(G/20)}$] value	1.126	1.218	1.262	1.189	1.439
Sum All Antenna [Amax]	6.413	5.186	5.172	5.649	5.399
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	10.12	8.28	8.25	9.02	8.63

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 5GAnt1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	4.85	3.48	4.3	4.12
Ant. 2 (dBi)	2.31	2.94	3.33	3.62
DG [1SS] (dBi)	6.68	6.22	6.84	6.88
Polarization	Theta	Phi	Theta	Theta
$\Theta(^{\circ})$	0	0	0	7.5
$\Phi(^{\circ})$	0	90	7.5	15

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(4.85/20)}$	$10^{(3.48/20)}$	$10^{(4.3/20)}$	$10^{(4.12/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(2.31/20)}$	$10^{(2.94/20)}$	$10^{(3.33/20)}$	$10^{(3.62/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.748	1.493	1.641	1.607
Ant. 2 [$10^{(G/20)}$] value	1.305	1.403	1.467	1.517
Sum All Antenna [Amax]	3.053	2.896	3.108	3.124
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	6.68	6.22	6.84	6.88

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)	5.2G	5.3G	5.6G	5.785G
Ant. 1 (dBi)	4.85	3.3	4.3	4.59
Ant. 2 (dBi)	2.31	2.53	3.33	2.73
Ant. 3 (dBi)	4.25	4.13	5.04	4.42
Ant. 4 (dBi)	-2.58	0.46	-1.04	1.72
DG [1SS] (dBi)	8.67	8.73	9.22	9.47
Polarization	Theta	Theta	Theta	Theta
$\Theta(^{\circ})$	0	0	0	0
$\Phi(^{\circ})$	0	7.5	7.5	7.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 [$10^{(G/20)}$]	$10^{(4.85/20)}$	$10^{(3.3/20)}$	$10^{(4.3/20)}$	$10^{(4.59/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(2.31/20)}$	$10^{(2.53/20)}$	$10^{(3.33/20)}$	$10^{(2.73/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(4.25/20)}$	$10^{(4.13/20)}$	$10^{(5.04/20)}$	$10^{(4.42/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(-2.58/20)}$	$10^{(0.46/20)}$	$10^{(-1.04/20)}$	$10^{(1.72/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.748	1.462	1.641	1.696
Ant. 2 [$10^{(G/20)}$] value	1.305	1.338	1.467	1.369
Ant. 3 [$10^{(G/20)}$] value	1.631	1.609	1.786	1.663
Ant. 4 [$10^{(G/20)}$] value	0.743	1.054	0.887	1.219
Sum All Antenna [Amax]	5.427	5.463	5.781	5.948
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	8.67	8.73	9.22	9.47

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 6GAnt1~4:

For 2TX

DG_1SS max value position

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 (dBi)	2.54	4.75	6.45	3.73
Ant. 4 (dBi)	4.33	3.39	0.06	3.57
DG [1SS] (dBi)	6.49	7.11	6.84	6.66
Polarization	Phi	Phi	Theta	Phi
$\Theta(^{\circ})$	15	7.5	15	7.5
$\Phi(^{\circ})$	195	187.5	262.5	187.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(2.54/20)}$	$10^{(4.75/20)}$	$10^{(6.45/20)}$	$10^{(3.73/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(4.33/20)}$	$10^{(3.39/20)}$	$10^{(0.06/20)}$	$10^{(3.57/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.34	1.728	2.101	1.536
Ant. 4 [$10^{(G/20)}$] value	1.646	1.477	1.007	1.508
Sum All Antenna [Amax]	2.986	3.205	3.108	3.045
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	6.49	7.11	6.84	6.66

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)	6.175G	6.475G	6.695G	6.995G
Ant. 1 (dBi)	2.54	4.8	3.11	2.56
Ant. 2 (dBi)	0.78	3.24	3.62	4.08
Ant. 3 (dBi)	1.09	2.65	2.32	2.4
Ant. 4 (dBi)	4.33	2.77	1.49	2.46
DG [1SS] (dBi)	8.32	9.43	8.69	8.92
Polarization	Phi	Phi	Phi	Phi
$\Theta(^{\circ})$	15	0	15	15
$\Phi(^{\circ})$	195	195	277.5	277.5

Note: The DG 1SS max value position is the maximum value of section 12 table DG 1SS Result.

DG_1SS max value position calculation

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 [$10^{(G/20)}$]	$10^{(2.54/20)}$	$10^{(4.8/20)}$	$10^{(3.11/20)}$	$10^{(2.56/20)}$
Ant. 2 [$10^{(G/20)}$]	$10^{(0.78/20)}$	$10^{(3.24/20)}$	$10^{(3.62/20)}$	$10^{(4.08/20)}$
Ant. 3 [$10^{(G/20)}$]	$10^{(1.09/20)}$	$10^{(2.65/20)}$	$10^{(2.32/20)}$	$10^{(2.4/20)}$
Ant. 4 [$10^{(G/20)}$]	$10^{(4.33/20)}$	$10^{(2.77/20)}$	$10^{(1.49/20)}$	$10^{(2.46/20)}$
Ant. 1 [$10^{(G/20)}$] value	1.34	1.738	1.431	1.343
Ant. 2 [$10^{(G/20)}$] value	1.094	1.452	1.517	1.6
Ant. 3 [$10^{(G/20)}$] value	1.134	1.357	1.306	1.318
Ant. 4 [$10^{(G/20)}$] value	1.646	1.376	1.187	1.327
Sum All Antenna [Amax]	5.214	5.922	5.441	5.588
DG [$10 \cdot \log(A_{max}^2/N_{ant})$]	8.32	9.43	8.69	8.92

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

9. Summary of Test Result

For EUT 1:

For 2G5GAnt1~4:

For 2TX

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	4.98	2.42	3.3	2.55	2.46
Ant. 3 Max Gain (dBi)	3.95	4.86	5.17	5.23	4.51
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/37.5/285	Phi/60/67.5	Phi/75/90	Phi/82.5/240	Phi/67.5/37.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/15/150	Theta/67.5/97. 5	Theta/52.5/24 7.5	Theta/67.5/11 2.5	Theta/60/112. 5
Max Gain (dBi)	4.98	4.86	5.17	5.23	4.51
DG [1SS] (dBi)	5.13	3.2	3.11	4.1	2.69
DG [1SS] (dBi) Revised	5.13	4.86	5.17	5.23	4.51
DG [2SS] (dBi)	4.98	4.86	5.17	5.23	4.51

For 4TX

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	4.98	2.42	3.3	2.55	2.46
Ant. 2 Max Gain (dBi)	4.38	2.59	2.48	2.11	2.78
Ant. 3 Max Gain (dBi)	3.95	4.86	5.17	5.23	4.51
Ant. 4 Max Gain (dBi)	3.56	3.03	2.66	2.76	3.16
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/37.5/285	Phi/60/67.5	Phi/75/90	Phi/82.5/240	Phi/67.5/37.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/45/67.5	Phi/75/277.5	Phi/60/30	Phi/75/172.5	Phi/75/172.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/15/150	Theta/67.5/97. 5	Theta/52.5/24 7.5	Theta/67.5/11 2.5	Theta/60/112. 5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/7.5/150	Theta/60/60	Theta/67.5/90	Theta/60/67.5	Theta/37.5/21 7.5
Max Gain (dBi)	4.98	4.86	5.17	5.23	4.51
DG [1SS] (dBi)	6.92	5.15	5.29	5.34	4.71
DG [2SS] (dBi)	4.98	4.86	5.17	5.23	4.51
DG [4SS] (dBi)	4.98	4.86	5.17	5.23	4.51

For 5GAnt1~4:
For 2TX

Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.65	3.3	2.92	2.37
Ant. 3 Max Gain (dBi)	3.63	3.77	3.93	3.91
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/52.5/15	Phi/52.5/157.5	Phi/52.5/150	Phi/67.5/292.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/82.5/262.5	Theta/60/120	Theta/67.5/135	Theta/37.5/262.5
Max Gain (dBi)	3.63	3.77	3.93	3.91
DG [1SS] (dBi)	3.21	2.97	3.28	2.38
DG [1SS] (dBi) Revised	3.63	3.77	3.93	3.91
DG [2SS] (dBi)	3.63	3.77	3.93	3.91

For 4TX

Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.65	3.3	2.92	2.37
Ant. 2 Max Gain (dBi)	2.18	2.69	3.01	2.91
Ant. 3 Max Gain (dBi)	3.63	3.77	3.93	3.91
Ant. 4 Max Gain (dBi)	4.44	3.9	3.79	3.47
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/52.5/15	Phi/52.5/157.5	Phi/52.5/150	Phi/67.5/292.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/45/105	Phi/60/30	Phi/82.5/300	Phi/82.5/300
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/82.5/262.5	Theta/60/120	Theta/67.5/135	Theta/37.5/262.5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/67.5/60	Theta/75/262.5	Theta/52.5/52.5	Theta/75/292.5
Max Gain (dBi)	4.44	3.9	3.93	3.91
DG [1SS] (dBi)	5.24	5	5.57	4.69
DG [2SS] (dBi)	4.44	3.9	3.93	3.91
DG [4SS] (dBi)	4.44	3.9	3.93	3.91

For 6GAnt1~4:

For 2TX

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	3.45	4.72	3.33	3.43
Ant. 2 Max Gain (dBi)	4.22	5.11	4.08	4.61
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/67.5/120	Phi/60/82.5	Phi/67.5/120	Phi/52.5/135
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/60/105	Phi/60/97.5	Phi/75/90	Phi/52.5/352.5
Max Gain (dBi)	4.22	5.11	4.08	4.61
DG [1SS] (dBi)	6.38	7.21	6.12	6.42
DG [2SS] (dBi)	4.22	5.11	4.08	4.61

For 4TX

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	3.45	4.72	3.33	3.43
Ant. 2 Max Gain (dBi)	4.22	5.11	4.08	4.61
Ant. 3 Max Gain (dBi)	4.83	3.79	3.71	4.53
Ant. 4 Max Gain (dBi)	5.01	4.66	4.66	5.6
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/67.5/120	Phi/60/82.5	Phi/67.5/120	Phi/52.5/135
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/60/105	Phi/60/97.5	Phi/75/90	Phi/52.5/352.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/67.5/30	Theta/52.5/30	Theta/60/135	Theta/60/22.5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/67.5/135	Theta/60/30	Theta/67.5/30	Theta/67.5/45
Max Gain (dBi)	5.01	5.11	4.66	5.6
DG [1SS] (dBi)	6.4	6.14	5.25	6.29
DG [2SS] (dBi)	5.01	5.11	4.66	5.6
DG [4SS] (dBi)	5.01	5.11	4.66	5.6

For ScanAnt1~2 (2.4GHz, 5GHz and 6GHz) and BLE Ant3:

Freq(Hz)	2.45G
Ant. 1 Max Gain (dBi)	2.46
Ant. 2 Max Gain (dBi)	2.39
Ant. 3 Max Gain (dBi)	3.58
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/60/172.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/60/127.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/52.5/15

Freq(Hz)	5.2G	5.3G	5.6G	5.785G	5.885G
Ant. 1 Max Gain (dBi)	2.35	2.62	4.9	3.33	5.38
Ant. 2 Max Gain (dBi)	4.11	4.47	5.67	4.75	5.79
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/82.5/240	Theta/75/120	Theta/67.5/120	Theta/82.5/240	Theta/90/240
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/82.5/277.5	Theta/67.5/52.5	Theta/60/60	Theta/60/52.5	Theta/82.5/292.5

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	5.53	4.82	4.27	3.16
Ant. 2 Max Gain (dBi)	6.1	4.65	4.58	6.18
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/82.5/240	Theta/90/240	Theta/90/240	Theta/82.5/247.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/75/292.5	Theta/75/292.5	Theta/60/82.5	Theta/60/75

Note:

1. Antenna max gain is the max value of each individual antenna through all measurement angles.
2. The max gain is the max value of all antennas.
3. If directional gain (1SS) is less than max gain, use max gain as directional gain. Refer to KDB662911D01 (F) (2) (e) (ii)
4. 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)
5. 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)

For EUT 2:

For 2G5GAnt1~4:

For 2TX

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 3 Max Gain (dBi)	6.72	6.52	5.7	6.41	5.67
Ant. 4 Max Gain (dBi)	6.96	4.06	4.21	4.45	5.47
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/37.5	Theta/15/307.5	Theta/0/142.5	Phi/7.5/52.5	Phi/7.5/45
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/30/187.5	Phi/0/307.5	Theta/22.5/45	Theta/7.5/232.5	Theta/7.5/45
Max Gain (dBi)	6.96	6.52	5.7	6.41	5.67
DG [1SS] (dBi)	8.53	6.07	5.7	5.97	5.9
DG [1SS] (dBi) Revised	8.53	6.52	5.7	6.41	5.9
DG [2SS] (dBi)	6.96	6.52	5.7	6.41	5.67

For 4TX

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.7	4.23	4.64	6.01	5.66
Ant. 2 Max Gain (dBi)	6.96	5.45	5.05	5.73	5.61
Ant. 3 Max Gain (dBi)	6.72	6.52	5.7	6.41	5.67
Ant. 4 Max Gain (dBi)	6.96	4.06	4.21	4.45	5.47
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/60	Phi/15/30	Phi/15/45	Phi/15/45	Theta/0/307.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/30/112.5	Phi/15/315	Phi/15/307.5	Phi/15/322.5	Phi/7.5/307.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/37.5	Theta/15/307.5	Theta/0/142.5	Phi/7.5/52.5	Phi/7.5/45
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/30/187.5	Phi/0/307.5	Theta/22.5/45	Theta/7.5/232.5	Theta/7.5/45
Max Gain (dBi)	6.96	6.52	5.7	6.41	5.67
DG [1SS] (dBi)	10.12	8.28	8.25	9.02	8.63
DG [2SS] (dBi)	7.12	6.52	5.7	6.41	5.67
DG [4SS] (dBi)	6.96	6.52	5.7	6.41	5.67

**For 5GAnt1~4:****For 2TX**

Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.21	5.73	7.11	6.39
Ant. 2 Max Gain (dBi)	4.56	4.46	5.7	6.19
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/330	Theta/15/345	Theta/15/150	Theta/0/337.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/7.5/225	Phi/7.5/300	Theta/15/37.5	Phi/15/142.5
Max Gain (dBi)	6.21	5.73	7.11	6.39
DG [1SS] (dBi)	6.68	6.22	6.84	6.88
DG [1SS] (dBi) Revised	6.68	6.22	7.11	6.88
DG [2SS] (dBi)	6.21	5.73	7.11	6.39

For 4TX

Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	6.21	5.73	7.11	6.39
Ant. 2 Max Gain (dBi)	4.56	4.46	5.7	6.19
Ant. 3 Max Gain (dBi)	5.8	5.89	7.2	6.62
Ant. 4 Max Gain (dBi)	3.9	4.02	5.38	5.11
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/330	Theta/15/345	Theta/15/150	Theta/0/337.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/7.5/225	Phi/7.5/300	Theta/15/37.5	Phi/15/142.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/0/330	Theta/7.5/150	Theta/0/322.5	Theta/0/330
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/135	Theta/15/60	Theta/15/60	Phi/0/330
Max Gain (dBi)	6.21	5.89	7.2	6.62
DG [1SS] (dBi)	8.67	8.73	9.22	9.47
DG [2SS] (dBi)	6.21	5.89	7.2	6.62
DG [4SS] (dBi)	6.21	5.89	7.2	6.62

**For 6GAnt1~4:****For 2TX**

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	5.86	7.14	6.85	6.41
Ant. 4 Max Gain (dBi)	5.54	6.43	5.64	6.44
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/322.5	Phi/22.5/322.5	Theta/15/255	Phi/15/322.5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/15/232.5	Phi/15/240	Phi/7.5/217.5	Phi/37.5/60
Max Gain (dBi)	5.86	7.14	6.85	6.44
DG [1SS] (dBi)	6.49	7.11	6.84	6.66
DG [1SS] (dBi) Revised	6.49	7.14	6.85	6.66
DG [2SS] (dBi)	5.86	7.14	6.85	6.44

For 4TX

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Ant. 1 Max Gain (dBi)	5.86	7.14	6.85	6.41
Ant. 2 Max Gain (dBi)	5.4	6.24	5.99	5.87
Ant. 3 Max Gain (dBi)	5.64	6.22	5.45	6.4
Ant. 4 Max Gain (dBi)	5.54	6.43	5.64	6.44
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/22.5/322.5	Phi/22.5/322.5	Theta/15/255	Phi/15/322.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/330	Phi/7.5/240	Theta/15/157.5	Phi/7.5/232.5
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/67.5	Phi/15/345	Phi/15/337.5	Phi/7.5/322.5
Ant. 4 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/15/232.5	Phi/15/240	Phi/7.5/217.5	Phi/37.5/60
Max Gain (dBi)	5.86	7.14	6.85	6.44
DG [1SS] (dBi)	8.32	9.43	8.69	8.92
DG [2SS] (dBi)	5.86	7.14	6.85	6.44
DG [4SS] (dBi)	5.86	7.14	6.85	6.44

For ScanAnt1~2 (2.4GHz, 5GHz and 6GHz) and BLE Ant3:

Freq(Hz)	2.45G
Scan Ant. 1 Max Gain (dBi)	8.02
Scan Ant. 2 Max Gain (dBi)	8.15
BLE Ant. 3 Max Gain (dBi)	6.92
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/0/225
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/7.5/45
Ant. 3 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/15/315

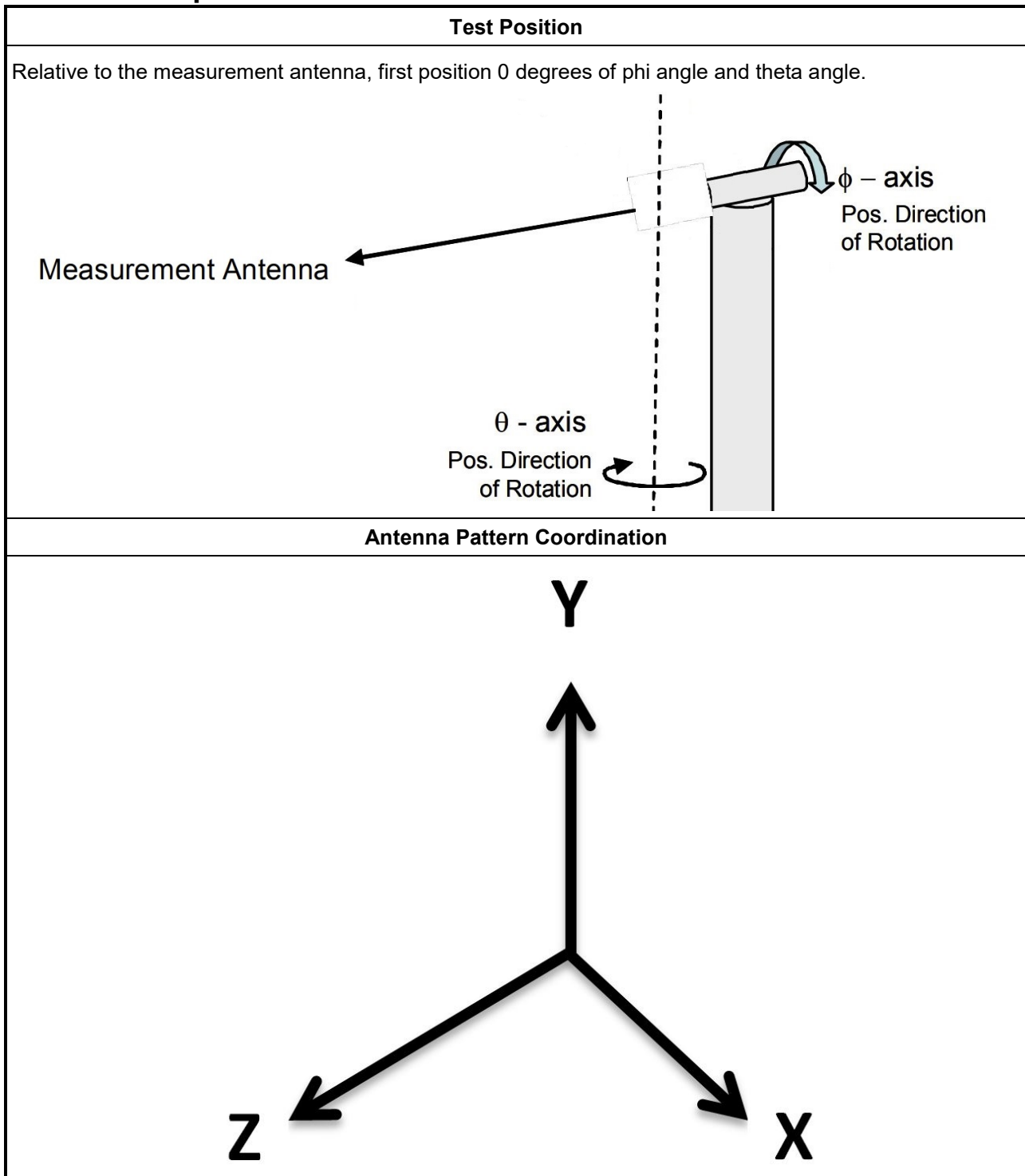
Freq(Hz)	5.2G	5.3G	5.6G	5.785G	5.885G
Scan Ant. 1 Max Gain (dBi)	3.93	4.57	5.47	5.9	5.95
Scan Ant. 2 Max Gain (dBi)	4.82	4.94	4.26	5.26	5.48
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/37.5/120	Theta/15/150	Theta/22.5/135	Theta/22.5/135	Theta/15/127.5
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Phi/37.5/45	Phi/0/217.5	Theta/15/330	Theta/15/315	Theta/0/142.5

Frequency (Hz)	6.175G	6.475G	6.695G	6.995G
Scan Ant. 1 Max Gain (dBi)	7.71	7.64	6.98	6.54
Scan Ant. 2 Max Gain (dBi)	6.47	7.73	6.59	6.5
Ant. 1 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/30/135	Theta/30/120	Theta/22.5/150	Theta/15/150
Ant. 2 Polarization/ $\Theta(^{\circ})/\Phi(^{\circ})$	Theta/15/307.5	Phi/15/45	Phi/15/37.5	Phi/7.5/45

Note:

1. Antenna max gain is the max value of each individual antenna through all measurement angles.
2. The max gain is the max value of all antennas.
3. If directional gain (1SS) is less than max gain, use max gain as directional gain. Refer to KDB662911D01 (F) (2) (e) (ii)
4. 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)
5. 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)

10. Test Setup



Note:

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



11. Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1531	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024
Dual Polarization Horn Antenna	Sporton	S0209DP	S0209DP-001	2GHz~9GHz	N.C.R.	N.C.R.
ENA Series Network Analyzer	AGILENT	E5071C	MY46419477	100kHz~8.5GHz	Jul. 28, 2023	Jul. 27, 2024
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.

12. Test Results

Please refer to the appendix.

Appendix A – Radiated Composite Gain of Radio 1 2.4GHz and 5GHz-2TX (EUT 1).....	Page 36
Appendix B – Radiated Composite Gain of Radio 1 2.4GHz and 5GHz-4TX (EUT 1).....	Page 40
Appendix C – Radiated Composite Gain of Radio 2 5GHz-2TX (EUT 1).....	Page 54
Appendix D – Radiated Composite Gain of Radio 2 5GHz-4TX (EUT 1).....	Page 57
Appendix E – Radiated Composite Gain of Radio 3 6GHz-2TX (EUT 1).....	Page 68
Appendix F – Radiated Composite Gain of Radio 3 6GHz-4TX (EUT 1).....	Page 75
Appendix G – Radiated Composite Gain of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1).....	Page 86
Appendix H – Radiated Composite Gain of Radio 1 2.4GHz and 5GHz-2TX (EUT 2).....	Page 97
Appendix I – Radiated Composite Gain of Radio 1 2.4GHz and 5GHz-4TX (EUT 2).....	Page 106
Appendix J – Radiated Composite Gain of Radio 2 5GHz-2TX (EUT 2).....	Page 120
Appendix K – Radiated Composite Gain of Radio 2 5GHz-4TX (EUT 2).....	Page 127
Appendix L – Radiated Composite Gain of Radio 3 6GHz-2TX (EUT 2).....	Page 138
Appendix M – Radiated Composite Gain of Radio 3 6GHz-4TX (EUT 2).....	Page 145
Appendix N – Radiated Composite Gain of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 2)	Page 156
Appendix O – Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 1).....	Page 167
Appendix P – Antenna Pattern of Radio 2 5GHz (EUT 1).....	Page 174
Appendix Q – Antenna Pattern of Radio 3 6GHz (EUT 1).....	Page 180
Appendix R – Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 1).....	Page 186
Appendix S – Antenna Pattern of Radio 1 2.4GHz and 5GHz (EUT 2).....	Page 193
Appendix T – Antenna Pattern of Radio 2 5GHz (EUT 2).....	Page 200
Appendix U – Antenna Pattern of Radio 3 6GHz (EUT 2).....	Page 206
Appendix V – Antenna Pattern of Radio 4 2.4GHz, 5GHz, 6GHz and Radio 5 Bluetooth/Zigbee (EUT 2).....	Page 212
Appendix W – Test Photos.....	Page 219



Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	4.98	2.42	3.3	2.55	2.46
Ant. 3 Max Gain (dBi)	3.95	4.86	5.17	5.23	4.51
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/37.5/285	Phi/60/67.5	Phi/75/90	Phi/82.5/240	Phi/67.5/37.5
Ant. 3 Polarization/Θ(°)/Φ(°)	Phi/15/150	Theta/67.5/97.5	Theta/52.5/247.5	Theta/67.5/112.5	Theta/60/112.5
Max Gain (dBi)	4.98	4.86	5.17	5.23	4.51
DG [1SS] (dBi)	5.13	3.2	3.11	4.1	2.69
DG [1SS] (dBi) Revised	5.13	4.86	5.17	5.23	4.51
DG [2SS] (dBi)	4.98	4.86	5.17	5.23	4.51



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-2TX (EUT 1)

Appendix A

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°)	-2.48/-3.21	-4.13/-3.54	-7.01/-9.48	-11.55/-11.81	-9.76/-7.77	-6.03/-4.33	-2.99/-2.11	-1.49/-1	-0.73/-0.44	-0.020/-0.19	0.39/0.4	0.22/-0.16	-0.65/-1.26	-2.11/-3.17	-4.56/-6.48	-9.23/-11.01	-10.52/-9.9	-9.21/-7.48	-5.65/-3.94	-2.72/-1.81	-1.12/-0.75	-0.62/-0.64	-0.8/-0.08	-1.48/-1.96
Θ(7.5°)	-0.32/-0.72	-1.36/-2.17	-3.34/-5	-7.29/-9.96	-11.17/-10.26	-8.96/-7.35	-5.86/-4.74	-3.79/-3.21	-2.78/-2.32	-1.76/-1.39	-1.29/-1.26	-1.58/-2.04	-2.67/-3.48	-4.4/-5.6	-7.3/-9.63	-9.8/-8.74	-6.77/-5.46	-4.44/-3.49	-2.47/-1.46	-0.48/-0.28	0.70/0.95	1.03/1	0.90/0.72	0.46/0.13
Θ(15°)	1.32/1.06	0.67/0.15	-0.57/-1.52	-2.71/-4.08	-5.23/-5.54	-5.12/-4.25	-3.32/-2.44	-1.78/-1.45	-1.23/-1.18	-0.520/-0.75	2.78/1.14	-0.01/-0.59	-1.24/-2.17	-3.61/-5.06	-6.59/-7.19	-5.42/-3.87	-2.67/-1.77	-1.04/-0.47	0.03/0.53	1.07/1.57	1.94/2.18	2.27/2.26	2.19/2.06	1.87/1.6
Θ(22.5°)	2.21/87	1.51/08	0.52/-0.17	-0.97/-1.77	-2.39/-2.8	-2.86/-2.53	-1.95/-1.24	-0.6/-0	0.46/0.72	1.02/1.67	1.94/2.29	2.15/1.63	0.93/-0.02	-1.19/-2.44	-3.16/-2.67	-1.63/-0.67	0.17/0.87	1.44/1.85	2.12/2.3	2.52/0.75	3.04/3.26	3.41/3.39	3.3/3.13	2.89/2.53
Θ(30°)	2.39/1.93	1.46/1.01	0.49/-0.05	-0.51/-0.86	-1.18/-1.61	-1.99/-2.09	-1.83/-1.15	-0.21/0.66	1.41/0.99	2.17/2.62	2.94/3.16	3.05/2.73	2.31/1.65	0.84/0.27	-0.3/-0.12	0.55/1.18	1.76/2.27	2.73/0.3	3.33/5.6	3.79/3.93	4.06/4.17	4.34/2.27	4.13/83	3.43/2.92
Θ(37.5°)	2.03/1.29	0.68/0.22	-0.19/-0.52	-0.66/-0.71	-0.86/-1.16	-1.52/-1.62	-1.34/-0.54	0.36/1.2	2.12/0.79	2.95/3.22	3.35/3.14	3.43/3.29	3.07/2.8	2.59/2.41	2.19/1.99	1.94/2.06	2.32/5.6	2.82/3.13	3.55/4.08	4.59/4.82	4.89/4.96	4.99/4.93	4.69/4.22	3.59/2.83
Θ(45°)	1.33/0.17	-0.66/-0.88	-0.82/-0.67	-0.53/-0.49	-0.59/-0.77	-1.04/-1.33	-1.1/-0.11	0.95/1.84	2.6/3.13	3.49/3.4	3.28/3.34	3.27/3.21	3.11/2.95	2.87/2.72	2.28/2.05	1.82/2.2	2.31/2.39	2.47/2.73	3.24/3.93	4.55/4.94	5.13/5.12	4.94/3.6	3.57/2.51	
Θ(52.5°)	0.55/-0.96	-1.93/-1.74	-1.1/-0.62	-0.33/-0.21	-0.28/-0.5	-0.89/-1.36	-1.41/-0.42	0.96/2.04	2.73/3.2	3.45/3.14	2.83/2.5	2.42/2.47	2.39/2.33	2.47/2.59	2.44/2.08	1.78/1.68	1.77/1.64	1.62/1.89	2.63/3.9	3.97/4.29	4.42/4.43	4.45/4.44	4.26/3.72	2.87/1.83
Θ(60°)	-0.52/-1.59	-2.13/-1.69	-1.21/-0.93	-0.68/-0.48	-0.55/-0.98	-1.73/-2.53	-2.46/-1.34	0.31/1.54	2.42/2.87	3.02/3.52	2.07/1.65	1.45/1.39	1.44/1.63	1.83/1.89	1.66/0.68	-0.31/-0.53	-0.23/-0.02	0.11/0.61	1.58/2.49	3.05/3.24	3.24/3.33	3.53/5.2	3.27/2.54	1.48/0.45
Θ(67.5°)	-2.51/-3.23	-2.44/-1.39	-0.95/-0.95	-0.96/-0.94	-1.4/-2.33	-3.54/-3.82	-3.53/-2.57	-0.96/0.43	1.45/1.68	1.52/1.19	0.64/0.06	-0.32/-0.41	0.13/0.6	0.53/0.25	-0.19/-1.05	-2.23/-2.21	-1.64/-1.5	-1.45/-0.98	0.02/1	1.62/1.75	1.55/1.46	1.84/2.19	2.12/1.44	0.26/-1.11
Θ(75°)	-3.18/-5.17	-4.3/-2.5	-1.67/-1.41	-1.07/-1.11	-2.04/-3.62	-4.53/-4.68	-4.66/-4.23	-3.26/-1.35	0.08/0.56	0.28/-0.2	-0.74/-1.28	-1.71/-1.58	-1.42/-1.36	-1.52/-1.61	-1.6/-2.73	-3.89/-4.15	-3.25/-2.88	-2.87/-2.81	-2.11/-1.01	-0.24/0.07	0/-0.33	-0.36/0.06	0.16/-0.21	-0.89/-1.56
Θ(82.5°)	-3.84/-5.46	-5.03/-3.58	-3.01/-2.91	-2.42/-2.46	-3.77/-5.1	-5.85/-6.1	-5.63/-4.98	-3.26/-1.66	-0.56/-0.46	-1.33/-2.17	-2.78/-3.52	-3.91/-3.96	-3.66/-3.2	-3.64/-4.05	-4.38/-5.67	-5.65/-4.99	-4.97/-4.73	-4.09/-4.23	-4.09/-3.03	-2.37/-2.17	-2.1/-2.09	-2.08/-1.79	-1.83/-2.67	-2.81/-2.85
Θ(90°)	-5.27/-7.16	-6.63/-4.69	-3.89/-3.69	-3.28/-3.41	-4.73/-6.55	-7.27/-7.08	-6.54/-5.97	-4.69/-3.58	-2.6/-2.54	-3.6/-4.89	-5.34/-5.29	-5.59/-5.22	-4.88/-5.24	-6.35/-5.98	-6.65/-6.58	-6.63/-6.4	-6.67/-6.43	-4.94/-5.1	-6.36/-6.16	-5.62/-6.48	-4.22/-4.16	-4.24/-3.98	-3.89/-4.61	-4.69/-4.51
Θ(97.5°)	-6.52/-7.41	-7.91/-6.87	-6.34/-5.83	-4.74/-4.66	-6.08/-6.31	-8.8/-8.57	-8.08/-7.78	-6.74/-5.4	-4.3/-4.2	-5.4/-6.63	-6.45/-6.91	-6.86/-6.2	-6.52/-7.47	-8.62/-8.79	-7.09/-8.09	-7.57/-6.45	-6.46/-6.96	-6.41/-6.73	-8.13/-8.11	-7.53/-5.99	-4.52/-4.9	-5.92/-5.72	-5.63/-6.38	-6.51/-6.2
Θ(105°)	-8.16/-8.72	-8.32/-7.05	-6.8/-6.88	-6.22/-6.4	-8.05/-9.69	-10.65/-10.01	-9.51/-9.3	-8.87/-8.01	-6.79/-6.35	-7.22/-8	-7.54/-7.68	-7.35/-7.62	-8.43/-10.74	-10.48/-9.69	-8.56/-8.86	-8.56/-8.25	-8.85/-9.72	-8.93/-9.57	-9.73/-9.96	-8.53/-7.5	-5.14/-5.05	-7.11/-8.54	-8.51/-8.21	-6.97/-6.86
Θ(112.5°)	-8.19/-8.4	-8.71/-8.94	-8.89/-9.23	-8.17/-7.79	-8.89/-10	-10.51/-10.51	-10.3/-10.88	-11.72/-10.3	-8.15/-7.37	-7.79/-7.9	-7.67/-8.46	-8.95/-9.95	-10.48/-9.36	-10.24/-11.27	-10.45/-10.36	-9.03/-8.57	-9.76/-11.33	-12.61/-12.36	-11.55/-11.65	-11.01/-9.7	-7.67/-7.21	-8.17/-8.89	-9.89/-11.79	-8.71/-7.51
Θ(120°)	-9.76/-9.97	-8.57/-8.25	-8.1/-8.69	-9.29/-9.21	-9/-9.24	-10.34/-12.49	-13.93/-13.87	-12.93/-10.84	-9.19/-8.88	-9.03/-8.82	-8.29/-8.12	-7.42/-8.4	-9.08/-10.05	-14.86/-15.24	-12.3/-11.6	-9.97/-9.5	-10.51/-12.19	-15.59/-15.55	-15.25/-13.5	-11.31/-8.56	-7.66/-8.92	-11.08/-10.58	-9.58/-10.37	-9.73/-8.48
Θ(127.5°)	-9.76/-8.72	-8.95/-8.94	-10.29/-9.91	-9.67/-9.32	-8.91/-9.25	-10.51/-12.64	-13.47/-12.71	-13.61/-10.91	-10.41/-9.89	-8.72/-8.71	-7.73/-8.3	-9.65/-11.79	-13.87/-15.89	-13.74/-10.71	-12.6/-10.05	-9.88/-10.79	-15.51/-15.24	-15.56/-13.81	-12.64/-10.41	-9.37/-9.77	-10.69/-12.39	-12.77/-12.24	-10.43/-8.21	
Θ(135°)	-10.2/-8.52	-7.35/-7.54	-9/-10.28	-11.14/-11.99	-12.62/-13.17	-14.19/-15.04	-16.22/-15.3	-14.83/-14.36	-13.5/-11.11	-9.29/-8.85	-9.77/-11.03	-10.38/-10.3	-10.64/-11.38	-11.98/-11.55	-11.07/-10.58	-10.9/-12.37	-12.58/-12.45	-11.65/-11.79	-12.3/-14.5	-14.56/-13.71	-12.88/-10.32	-8.34/-8.1	-9.11/-10.61	-12.55/-12.06
Θ(142.5°)	-11.14/-9.67	-7.7/-6.99	-7.46/-8.27	-8.91/-9.57	-10.66/-11.48	-12.99/-14.53	-13.62/-12.82	-12.76/-12.89	-13.02/-12.21	-11.74/-11.79	-10.9/-9.33	-8.64/-10.17	-11.68/-12.16	-13.56/-15.04	-12.01/-10.21	-10.03/-10.38	-10.61/-10.4	-11.01/-12.2	-14.29/-15	-15.44/-14.61	-14.17/-12.69	-9.59/-8.5	-8.6/-8.3	-9.42/-10.47
Θ(150°)	-11.46/-10.29	-8.4/-7.3	-7.23/-7.94	-8.93/-9.55	-10.31/-11.79	-14.03/-14.6	-12.98/-11.88	-12.40/-10.51	-12.87/-11.21	-12.14/-11.54	-10.41/-10.14	-10.06/-12.15	-14.78/-15.77	-12.49/-9.89	-9.88/-10.56	-10.15/-10.08	-11.14/-13.32	-14.47/-13.8	-14.97/-13.8	-14.97/-13.8	-14.97/-13.8	-14.97/-13.8	-14.97/-13.8	-14.97/-13.8
Θ(157.5°)	-11.25/-10.19	-9.08/-8.04	-7.86/-8.42	-10.43/-12.05	-14.13/-15.06	-15.58/-14.89	-13.81/-12.82	-12.07/-11.29	-11.95/-11.91	-12.04/-11.72	-11.88/-12.02	-13.13/-14.24	-14.56/-15.27	-14.97/-15.67	-14.3/-11.61	-10.12/-9.48	-9.87/-10.02	-11.37/-14.8	-14.94/-12.42	-9.39/-8.04	-7.77/-8.1	-8.86/-10.42	-13.43/-14.48	-14.85/-12.39
Θ(165°)	-11.98/-10.84	-9.34/-8.7	-8.63/-8.97	-10.61/-12.48	-14.09/-15.27	-15.58/-15.16	-14.51/-13.19	-12.41/-11.66	-11.7/-11.54	-11.94/-11.45	-11.74/-11.68	-12.05/-12.98	-13.48/-14.85	-14.95/-15.18	-15.45/-14.21	-12.71/-11.41	-10.91/-11.66	-11.93/-15.51	-14.84/-14.44	-11.07/-9.61	-9.42/-9.97	-11.01/-12.69	-14.74/-14.18	-14.57/-13.53
Θ(172.5°)	-11.76/-10.85	-10.61/-10.28	-10.08/-10.23	-10.76/-11.31	-11.96/-12.93	-15.42/-16.16	-14.98/-13.04	-12.36/-12.18	-12.04/-11.31	-11.35/-11.17	-10.66/-11.43	-11.35/-12.44	-14.96/-15.16	-15.79/-16.13	-15.31/-15.81	-14.96/-16.01	-15.37/-15.36	-13.82/-12.74	-13.22/-13.95	-16.22/-15.48	-15.61/-15.75	-14.14/-13.17		
Θ(180°)	-11.81/-12.14	-12.67/-12.48	-13.37/-13.57	-14.28/-14.06	-15.05/-15.61	-15.92/-15.24	-15.03/-15.58	-14.71/-13.63	-12.94/-12.39	-12.6/-12.82	-12.49/-12.72	-12/-12.27	-13.23/-13.7	-13.21/-14.04	-15.29/-15.6	-15.22/-15.49	-16.05/-15.06	-15.87/-14.63	-15.8/-14.01	-13.66/-14.08	-15.16/-14.89	-14.25/-14.02	-12.68/-12.57	-12.13/-11.55
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°)	-7.44/-6.5	-5.76/-5.15	-4.61/-4.11	-3.75/-3.62	-3.74/-4.11	-4.5/-4.96	-5.5/-6.01	-6.7/-7.67	-8.1/-11.1	-13.64/-14.67	-15/-12.84	-11.3/-9.21	-8.1/-6.69	-5.54/-4.65	-3.84/-3.22	-2.75/-2.58	-2.68/-3.03	-3.47/-3.84	-4.1/-4.4	-4.96/-5.96	-7.34/-9.3	-11.61/-12.79	-13.01/-11.52	-9.81/-8.41
Θ(7.5°)	-7.97/-7.23	-6.07/-5.46	-4.7/-4	-3.48/-3.26	-3.24/-3.44	-3.74/-4.18	-4.88/-5.72	-6.41/-7.41	-8.74/-10.27	-12.59/-14.7	-14.69/-12.1	-9.75/-7.95	-6.63/-5.68	-4.78/-4.21	-3.74/-3.35	-3.13/-3.18	-3.47/-4.02	-4.58/-4.96	-5.15/-5.37	-5.82/-6.81	-8.24/-10.1	-11.71/-12.7	-12.89/-11.88	-10.67/-9.44
Θ(15°)	-7.44/-6.59	-6.1/-5.47	-4.74/-4.1	-3.66/-3.47	-3.47/-3.59	-3.72/-3.9	-4.21/-4.85	-5.88/-7.14	-8.51/-9.72	-10.71/-11.51	-11.31/-9.74	-7.86/-6.23	-6.21/-5.37	-3.94/-3.61	-3.58/-3.59	-3.81/-4.12	-4.7/-5.43	-5.05/-7.19	-7.45/-8.19	-9.2/-10.19	-10.78/-11.05	-10.97/-10.55	-9.35/-8.1	
Θ(22.5°)	-6.26/-5.71	-5.24/-4.72	-4.48/-4.03	-3.74/-3.63	-3.68/-3.87	-3.99/-4.02	-4.11/-4.55	-5.63/-6.93	-8.54/-9.2	-9.89/-9.46	-9.08/-7.58	-5.91/-4.56	-3.63/-3.13	-2.92/-3.04	-3.38/-3.79	-4.22/-4.8	-5.61/-6.62	-7.62/-8.32	-8.61/-8.56	-8.64/-9.01	-9.5/-9.94	-10.19/-10.21	-9.95/-9.22	-8.16/-6.88
Θ(30°)	-4.89/-4.61	-4.23/-4.11	-3.93/-3.85	-3.87/-3.89	-3.93/-4	-4.15/-4.26	-4.3/-4.45	-4.94/-6.14	-7.9/-9.29	-8.83/-8.11	-7.51/-6.22	-5.24/-4.06	-3.15/-2.83	-2.74/-2.94	-3.51/-3.32	-4.07/-4.76	-5.76/-7.03	-8.3/-9.07	-9.16/-8.83	-8.53/-8.45	-8.44/-8.56	-8.83/-9.16	-9.11/-8.17	-6.83/-5.84
Θ(37.5°)	-3.78/-3.52	-3.33/-3.23	-3.57/-4.12	-4.3/-4.4	-4.1/-3.88	-3.9/-4.08	-4.31/-4.39	-4.67/-5.75	-7.02/-8.62	-8.67/-7.46	-6.52/-5.74	-4.69/-3.88	-3.31/-3.03	-2.97/-3.07	-3.14/-3.24	-3.88/-4.8	-5.96/-7.27	-8.55/-9.43	-9.54/-9.04	-8.34/-7.66	-7.27/-6.65			



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-2TX (EUT 1)

Appendix A

Θ(15°)	-6.26/-6.49	-6.04/-6.57	-7.48/-8.09	-8.85/-10.17	-11.18/-12.02	-13.97/-13.96	-12.29/-12.49	-10.88/-9.97	-10.03/-10.81	-9.67/-9.59	-8.02/-7.39	-6.56/-5.86	-5.43/-5.12	-5.14/-4.97	-5.08/-5.61	-6.83/-7.11	-6.05/-5.24	-4.41/-3.4	-2.66/-2.67	-2.37/-2.1	-2.92/-4.25	-4.82/-5.08	-5.42/-6.37	-7.16/-6.82	
Θ(22.5°)	-4.27/-4.31	-4.09/-4.71	-5.06/-5.38	-5.24/-3.67	-2.71/-2.59	-3.54/-4.61	-6.21/-6.74	-5.87/-5.77	-6.45/-7.65	-9.2/-8.26	-6.45/-5.74	-5.49/-4.88	-4.49/-3.8	-3.14/-2.79	-2.9/-3.66	-5.83/-6.88	-10.12/-10.85	-10.48/-7.9	-5.17/-3.8	-2.92/-2.12	-2.32/-3.25	-3.54/-3.28	-2.94/-3.3	-4.1/-3.97	
Θ(35°)	-4.95/-4.6	-4.33/-3.92	-3.77/-3.07	-2.34/-1.67	-1.51/-1.74	-2.41/-2.99	-4.53/-5.32	-4.52/-5.31	-4.96/-4.65	-5.01/-5.45	-4.75/-4.15	-3.78/-2.79	-1.99/-1.37	-1.01/-1.55	-0.99/-4.72	-6.15/-14.2	-6.6/-6.82	-6.39/-5.43	-3.26/-1.61	-0.86/-1.15	-15.12/-13.9	-3.67/-3.07	-3.4/-3.27	-4.53/-4.72	
Θ(37.5°)	-2.73/-3.48	-3.42/-2.36	-1.62/-0.93	-0.9/-1.36	-2.08/-2.7	-2.9/-2.93	-4.21/-6.91	-6.88/-5.95	-6.59/-6.4	-3.94/-3.07	-2.78/-2.19	-1.68/-0.94	-0.23/-0.1	-0.22/-0.71	-1.72/-2.35	-2.36/-3.38	-3.95/-3.92	-3.38/-3.21	-2.69/-1.87	-1.67/-1.85	-2.71/-3.24	-3.12/-2.07	-1.14/-1.81	-3.45/-2.72	
Θ(45°)	-0.54/-0.93	-0.30/-17	0.050/-02	0.17/-0.09	-1.37/-3.07	-2.7/-1.67	-1.58/-2.73	-5.96/-5.75	-4.19/-4.5	-3.78/-1.92	-1.68/-1.6	-1.31/-1.83	-1.3/-0.79	-0.640/-35	0.340/-43	0.151/-103	-2.24/-2.35	-2.21/-2.57	-2.73/-3.61	-3.36/-2.93	-2.09/-1.21	-1.16/-1.04	-0.27/-0.53	-1.21/-1.04	
Θ(52.5°)	0.80/-29	0.880/-95	0.21/-0.27	0.040/-27	-0.36/-1.13	-0.18/-0.34	0.24/-0.09	-1.6/-2.7	-2.23/-1.72	-1.41/-0.84	-2.05/-2.69	-1.03/-3.04	-2.02/-0.75	-0.47/-0.57	-0.97/-0.93	-0.22/-0.61	-0.1/-1.2	-1.78/-1.8	-1.73/-2.78	-2.77/-1.28	-0.80/-0.7	-0.22/-0.7	0.15/-0.1	-0.090/-88	
Θ(60°)	0.760/-83	0.01/-0.89	-1.61/-1.47	-1.210/-02	0.850/-36	0.020/-101	2.142/-12	0.36/-1.01	-0.4/-0.05	1.510/-84	-0.17/-2.09	-4.11/-1.95	-1.89/-1.7	-1.65/-1.79	-2.75/-3.14	-2.31/-2.18	-1.55/-2.51	-2.82/-3.01	-2.57/-2.48	-2.95/-1.73	-0.560/-02	0.29/-1.19	-0.43/-0.63	0.180/-72	
Θ(67.5°)	0.7/-0.21	-2.14/-2.66	-2.08/-2.91	-2.97/-0.85	0.620/-56	0.731/-64	2.512/-67	1.660/-35	1.1/-1.5	2.04/-1.62	0.14/-0.89	-1.2/-0.72	-2.09/-0.66	-0.76/-1.36	-2.14/-3.71	-3.56/-2.95	-1.63/-2.79	-2.58/-1.73	-1.65/-1.23	-1.28/-1.08	-0.34/-0.03	-0.07/-1.42	-1.61/-1.44	-0.230/-24	
Θ(75°)	0.1/-1.54	-3.5/-2.99	-2.98/-3.72	-4.25/-2.16	-0.64/-0.32	0.53/-1.83	3.112/-31	1.410/-17	1.721/-42	1.611/-08	0.2/-0.31	-1.53/-1.05	-1.83/-1.62	-1.6/-1.04	-1.1/-3.27	-3.59/-2.03	-1.27/-1.67	-1.62/-0.73	0.05/-0.62	-1.06/-2.15	1.194/-041	-0.86/-2.58	-2.48/-1.19	-1.39/-0.3	
Θ(82.5°)	-1.42/-2.4	-4.34/-4.25	-3.69/-4.18	-4.83/-3.21	-1.87/-1.87	-0.770/-69	0.730/-54	0.52/-0.31	-0.340/-19	0.31/-0.61	-1.86/-1.97	-1.94/-1.66	-2.48/-2.65	-2.63/-2.26	-1.86/-4.93	-4.81/-1.89	-0.75/-0.95	-0.97/-0.62	0.26/-0.16	-0.93/-2.1	-3.46/-2.05	-1.85/-3.49	-3.54/-3.4	-2.44/-1.64	
Θ(90°)	-2.7/-3.02	-4.63/-4.67	-4.87/-5.93	-6.35/-4.05	-3.52/-4.51	-3.22/-1.21	-1.57/-1.89	-1.28/-2.03	-2.24/-1.62	-2.18/-3.42	-3.67/-3.91	-3.91/-3.28	-3.77/-3.47	-4.91/-3.37	-3.75/-7.07	-4.66/-2.35	-1.54/-1.3	-1.04/-1.9	-0.66/-0.87	-1.51/-3.15	-5.45/-4.05	-3.42/-5.21	-5.68/-4.98	-3.37/-3.06	
Θ(97.5°)	-4.89/-4.24	-4.9/-5.98	-6.54/-6.92	-6.62/-5.73	-5.46/-6.01	-4.23/-3.41	-4.31/-6.31	-2.92/-4.88	-4.73/-7.2	-4.62/-6.67	-7.46/-6.24	-4.72/-5.97	-4.66/-3.43	-8.09/-6.52	-3.66/-8.35	-9.22/-4.42	-2.77/-3.14	-2.86/-3.95	-2.8/-2.56	-3.29/-5.13	-7.87/-6.18	-4.47/-6.95	-7.02/-7.13	-6.29/-4.48	
Θ(105°)	-6.95/-5.66	-6.58/-7.25	-8.49/-7.41	-7.71/-6.96	-6.7/-8	-6.78/-4.92	-5.79/-5.96	-5.82/-6.77	-6.78/-5.73	-7.74/-7.94	-8.89/-8.9	-6.07/-6.51	-8.43/-5.74	-7.17/-10.71	-7.07/-8.76	-8.39/-8.53	-5.76/-5.9	-6.19/-6.94	-6.32/-5.5	-5.98/-8.48	-9.71/-8.82	-5.72/-9.3	-6.68/-8.8	-7.67/-5.77	
Θ(112.5°)	-0.01/-7.1	-8.65/-8.78	-9.39/-9.22	-8.95/-6.97	-8.28/-10.2	-9.23/-7.6	-7.35/-8.13	-8.66/-8.74	-8.41/-8	-9.06/-9.5	-10.46/-8.75	-7.9/-8.85	-6.59/-8.9	-10.8/-89	-9.09/-10.24	-10.33/-9.78	-11.76/-9.95	-11.75/-10.68	-11.23/-10.35	-10.36/-11.53	-11.43/-11.21	-7.96/-10.71	-9.38/-9.06	-8.23/-7.99	
Θ(120°)	-8.84/-8.44	-9.09/-9.13	-9.85/-8.8	-9.4/-9.22	-10.23/-11.35	-11.39/-10.76	-8.95/-8.58	-9.83/-10.95	-11.58/-10.13	-9.49/-7.53	-12.03/-10.52	-9.26/-11.31	-8.58/-8.5	-10.69/-11.84	-9.39/-10.86	-12.42/-10.71	-11.37/-14.75	-14.65/-13.32	-15.11/-13.64	-12.88/-12.14	-10.08/-12.9	-15.84/-16.26	-16.12/-13.81	-14.54/-13.94	-14.99/-14.7
Θ(127.5°)	-9.32/-6.96	-8.28/-9.95	-10.51/-10.5	-11.11/-10.37	-11.27/-12.6	-12.7/-12.43	-11.57/-10.54	-11.77/-12	-12.26/-11.99	-9.76/-9.26	-9.96/-11.55	-11.23/-8.97	-11.69/-12.31	-10.24/-7.83	-8.58/-14.74	-14/-10.61	-11.8/-10.2	-11.73/-9.65	-10.64/-9.32	-9.36/-10.17	-13.62/-15.44	-11.56/-9.42	-14.86/-10.02	-8.9/-9.37	
Θ(135°)	-8.05/-10.31	-9.89/-11.25	-12.98/-11.34	-14.01/-10.3	-12.44/-13.73	-14.11/-14.47	-14.58/-15.06	-14.61/-15.98	-14.22/-14.11	-13.67/-14.93	-11.99/-12.74	-12.4/-10.2	-10.77/-11.93	-10.77/-10.56	-10.14/-10.11	-9.69/-14.55	-11.91/-13.65	-14.71/-15.48	-11.84/-10.29	-14.42/-14.91	-15.12/-14.84	-11.27/-9.97	-15.84/-9.94	-11.43/-10.82	
Θ(142.5°)	-10.73/-15.18	-11.96/-11.65	-14.31/-11.69	-11.31/-13.6	-14.49/-13.78	-15.48/-15.06	-14.61/-15.20	-14.22/-14.11	-14.68/-14.93	-11.99/-12.74	-12.4/-10.2	-9.86/-9.9	-10.39/-12.8	-13.15/-9.46	-9.25/-12.41	-11.37/-14.75	-14.65/-13.32	-15.11/-13.64	-12.88/-12.14	-10.08/-12.9	-15.84/-16.26	-16.12/-13.81	-14.54/-13.94	-14.99/-14.7	
Θ(150°)	-11.78/-13.77	-13.01/-10.99	-13.06/-14.56	-13.66/-13.29	-13.48/-13.64	-13.45/-14.71	-15.41/-14.91	-15.43/-15.09	-15.47/-14.27	-12.37/-9.63	-8.7/-10.84	-12.27/-14.23	-10.37/-12.81	-12.88/-13.37	-15.15/-15.53	-15.16/-14.64	-14.29/-14.35	-15.22/-10.02	-8.74/-12.1	-12.45/-13.71	-14.29/-14.68	-15.36/-16.09	-14.23/-13.75	-14.94/-14.26	
Θ(157.5°)	-11.76/-12.82	-14.36/-14.96	-15.43/-12.84	-10.96/-11.29	-13.11/-15.44	-15.08/-15.48	-16.13/-15.69	-15.25/-15.18	-15.49/-14.57	-15.26/-15.39	-14.69/-11.87	-9.81/-7.87	-8.6/-13.82	-13.4/-14.49	-15.44/-15.32	-15.68/-15.01	-15.38/-15.95	-13.18/-12.54	-14.85/-15.75	-13.59/-13.83	-15.02/-14.28	-14.71/-15.73	-14.96/-13.77	-13.14/-13.28	
Θ(165°)	-12.7/-11.8	-11.76/-11.6	-12.07/-13.35	-13.23/-13.6	-13.83/-13.44	-13.32/-13.5	-14.41/-14.84	-13.93/-14.46	-14.04/-13.97	-13.88/-11.09	-9.45/-9.15	-9.27/-10.29	-12.1/-15.13	-15.44/-15.11	-15.58/-15.87	-15.82/-15.23	-14.79/-13.44	-13.38/-14.64	-15.81/-15.76	-15.4/-15.38	-15.08/-14.26	-12.58/-12.18	-10.34/-10.77	-12.85/-15.74	
Θ(172.5°)	-13.43/-11.77	-11.41/-11.64	-10.42/-10.3	-11.33/-11.27	-11.67/-12.49	-12.38/-13.15	-13.31/-11.7	-12.69/-13.5	-14.26/-13.91	-13.45/-11.51	-10.1/-11	-12.85/-14.2	-15.09/-15.73	-14.9/-13.21	-12.64/-12.19	-13.28/-13.81	-13.43/-15.46	-15.57/-15.04	-15.6/-15.34	-14.6/-14.68	-15.66/-14.45	-13.25/-13.25	-13.46/-13.76	-15.6/-14.81	
Θ(180°)	-10.92/-10.36	-9.45/-9.25	-9.43/-9.47	-9.72/-10.57	-11.2/-11.84	-12.31/-12.83	-12.75/-13.59	-15.1/-14.63	-12.64/-12.26	-10.9/-10.87	-12.52/-14.21	-13.65/-13.04	-12.7/-12.73	-13.22/-13.88	-14.98/-14.57	-13.09/-13.09	-12.92/-12.01	-11.09/-11.66	-12.22/-12.77	-14.36/-14.3	-13.79/-14.39	-13.92/-13.22	-12.54/-12.07	-10.58/-10.49	
Freq(Hz)	5.3GPaL	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°)	-4.88/-5.19	-5.23/-5.75	-6.78/-7.76	-8.31/-8.48	-8.72/-8.54	-7.66/-8.1	-8.54/-7.75	-7.3/-7.04	-6.39/-5.53	-4.95/-4.82	-4.62/-4.39	-4.31/-4.35	-4.55/-4.67	-5.55/-6.58	-8.29/-10.46	-12.83/-15.16	-16.09/-15.38	-14.25/-12.32	-10.16/-9.62	-8.2/-6.07	-4.9/-4.86	-4.93/-4.75	-4.45/-4.4	-4.42/-4.59	
Θ(7.5°)	-7.62/-8.35	-8.51/-9.8	-12.45/-15.41	-15.62/-15.58	-14.8/-13.99	-14.1/-9.92	-7.76/-6.86	-6.4/-6.34	-5.91/-5.12	-4.8/-4.79	-4.94/-4.99	-5.07/-4.88	-4.43/-4.21	-4.09/-4.19	-4.66/-5.28	-5.31/-4.82	-4.87/-5.6	-6.14/-6.96	-7.32/-6.76	-6.32/-6.81	-6.42/-5.75	-5.32/-5.06	-4.9/-5.02	-5.29/-6.21	
Θ(15°)	-8.84/-10.1	-8.82/-9.13	-10.96/-13.33	-14.71/-14.4	-13.4/-11.74	-11.77/-11.34	-9.13/-8.63	-9.4/-9.01	-8.48/-7.73	-6.8/-5.95	-6.07/-5.88	-6.24/-5.51	-4.64/-3.6	-2.6/-2.17	-1.74/-0.9	-0.39/-0.35	-0.91/-2.3	-3.07/-3.38	-3.48/-4.32	-5.46/-5.66	-6.22/-5.91	-5.44/-5.77	-5.9/-5.75		
Θ(22.5°)	-5.29/-5.94	-5.51/-5.63	-6.06/-5.47	-5.10/-4.21	-3.35/-3.3	-6.41/-5.51	-4.63/-4.39	-3.92/-4.52	-5.12/-5.65	-5.03/-4.8	-4.74/-4.33	-3.57/-3.34	-2.56/-2.5	-2.42/-1.26	-0.170/-42	0.79/-112	0.960/-44	0.21/-0.41	-0.67/-1.56	-2.96/-4.36	-5.28/-4.89	-4.14/-3.7	-3.95/-4.32		
Θ(30°)	-4.11/-4.96	-5.25/-5.39	-3.61/-1.68	-1.17/-1.25	-1.11/-1.28	-1.7/-2.1	-1.49/-0.54	-0.53/-1.07	-2.63/-3.82	-3.79/-3.53	-4.42/-4.68	-7.19/-6.18	-4.35/-4.17	-3.64/-3.3	-2.67/-1.32	-0.25/-0.07	-0.1/-0.24	0.010/-51	0.470/-36	-0.13/-1.06	-2.23/-3.32	-3.71/-4.66	-3.87/-2.96	-3.07/-2.9	
Θ(37.5°)	-5.01/-5.07	-5.42/-4.65	-3.41/-1.39	-2.91/-4.2	-2.25/-1.57	-0.96/-1.07	0.271/-56	0.79/-0.67	-2.85/-1.49	-4.34/-3.99	-5.23/-4.84	-9.2/-9.16	-8.69/-8.87	-7.42/-3.61	-1.96/-0.85	0.510/-78	0.88/-1.14	1.52/-1.92	1.89/-1.22	0.19/-0.81	-2.09/-4.14	-5.46/-5.7	-4.55/-3.7	-3.45/-4.08	
Θ(45°)	-7.92/-6.24	-6.06/-3.52	-1.98/-1.96	-3.33/-3.93	-3.15/-1.55	-0.61/-0.96	-0.96/-0.56	-0.59/-1.96	-3.28/-3.23	-4.38/-4.04	-3.83/-5.54	-6.43/-7.28	-9.02/-10.52	-8.71/-4.6	-3.17/-1.95	-0.520/-71	1.872/-26	1.901/-71	0.571/-16	1.290/-58	-0.69/-2.45	-4.34/-7.43	-5.38/-2.78	-4.55/-6.89	
Θ(52.5°)	-6.04/-5.21	-5.57/-4.08	-1.89/-1.19	-1.92/-2.83	-2.85/-1.89	-0.77/-0.02	0.520/-79	0.26/-1.4	-1.68/-0.25	-0.92/-2.1	-2.77/-3.62	-2.68/-3.1	-5.98/-7.48	-6.58/-3.89	-3.18/-2.7	-1.280/-49	1.832/-87	2.150/-39	-0.1/-43	1.93/-1.26	0.55/-1.45	-3.8/-6.12	-5.2/-2.65	-3.54/-7.12	
Θ(60°)	-2.93/-2.57	-2.87/-4.23	-2.15/-1.61	-0.95/-1.28	-2.81/-0.41	-1.730/-3	1.322/-13	1.760/-81	-1.40/-41	0.28/-0.46	-0.86/-1.34	-1.19/-1.45	-3.24/-4.33	-4.31/-3.76	-3.39/-2.2	-1.170/-22	1.01/-15	1.090/-28	-0.490/-51	1.43/-156	0.96/-0.47	-3.19/-4.4	-4.13/-4.35	-2.93/-3.97	
Θ(67.5°)	-1.74/-69	-2.13/-79	-2.88/-2.29	-0.56/-0.04	-2.37/-2.83	-2.15/-1.42	0.327/-15	1.530/-09	-1.6200/-8	-3.1/-1.02	0.290/-16	-0.77/-													



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-2TX (EUT 1)

Appendix A

Θ(60°)	0.28/-0.15	-1.81/-1.34	-0.08/0.54	-1.33/-2.69	-2.25/-2.44	-2.46/-1.77	-0.46/0.85	0.44/-0.38	-0.35/-0.19	0.41/0.4	0.16/-0.57	-1.26/-2.28	-4.03/-3.75	-1.52/-2.21	-2.34/-2.25	-2.87/-2.76	-2.18/-3.37	-3.14/-2.67	-2.85/-2.89	-3.44/-2.53	-1.38/-2	-2.35/-4.47	-1.84/0.23	0.77/-0.21
Θ(67.5°)	-0.33/-0.78	-1.33/-1.71	0.16/1.06	-0.8/-1.7	-1.78/-1.93	-2.35/-1.97	-0.72/0.56	0.29/0.24	0.74/1.11	1.16/0.96	0.23/-0.64	-1.18/-4.11	-2.81/-0.71	-0.08/-1.85	-3.92/-3.21	-3.86/-4.94	-3.97/-5.23	-4.02/-3	-4.07/-3.68	-3.6/-1.9	-0.34/-0.25	-0.31/-2.92	-0.41/3.2	0.83/0.13
Θ(75°)	-1.3/-1.12	-2.28/-2.75	-0.45/0.31	-0.92/-1.77	-1.65/-2.09	-2.61/-2.61	-0.78/0.03	-1.02/-0.72	0.19/1.04	1.01/1.16	0.98/0.16	-0.27/-2.3	-0.81/-0.14	0.74/-1.42	-3.85/-2.26	-2.68/-3.02	-1.72/-2.67	-2.69/-0.47	-1.81/-2.91	-2.63/-1.87	-0.35/-0.32	0.1/-1.76	0.01/1.52	0.52/-0.63
Θ(82.5°)	-2.08/-2.61	-3.63/-4.18	-2.08/-0.99	-1.9/-2.37	-1.8/-3.36	-3.57/-2.56	-1.14/-0.98	-2.34/-2.18	-0.8/-0.42	-0.37/-0.35	-0.79/-0.57	-1.15/-2.35	-0.15/0.04	-0.13/-1.42	-4.48/-3.79	-1.89/-2.41	-1.03/-1.35	-1.78/0.58	-0.42/-1.92	-1.55/-1.74	-1.26/-0.82	-0.97/-2.59	-1.02/0.95	-0.56/-1.87
Θ(90°)	-3.99/-5.22	-5.56/-5.93	-3.71/-2.55	-3.24/-3.92	-3.53/-5.53	-4.72/-2.93	-3.03/-3.17	-3.4/-4.18	-2.52/-3.07	-2.61/-2	-3.43/-2.39	-2.67/-3.68	-0.86/-1.08	-0.71/-2.5	-4.5/-5.37	-2.81/-3.22	-1.63/-1.34	-1.63/-0.34	-0.4/-2.05	-3.08/-2.5	-2.18/-3.22	-2.65/-3.75	-2.76/-0.16	-1.95/-3.38
Θ(97.5°)	-5.04/-7.39	-6.32/-6.41	-5.12/-3.47	-3.88/-5.41	-5.81/-7.15	-5.76/-4.18	-4.9/-6.33	-5.68/-6.69	-4.84/-5.22	-4.38/-3.9	-5.09/-5.75	-5.32/-4.38	-3.74/-2.84	-1.77/-5.06	-6.62/-5.6	-3.78/-4.29	-2.74/-2.87	-3.64/-1.92	-1.93/-3.9	-5.91/-4.75	-4.67/-6.74	-4.78/-5.11	-5.04/-1.79	-3.83/-4.8
Θ(105°)	-8.21/-9.55	-7.35/-7.34	-6.75/-5.35	-5.41/-7.4	-8.12/-7.35	-7.69/-6.2	-7.04/-7.81	-8.26/-9.74	-7.81/-6.81	-6.02/-4.97	-6.77/-8.05	-8.94/-7.91	-5.38/-5.74	-5.31/-6.65	-8.5/-9.01	-7.58/-6.55	-4.6/-5.22	-6.68/-6.64	-6.17/-6.54	-9.3/-8.8	-8.02/-8.81	-6.61/-7.68	-6.48/-3.64	-5.27/-6.1
Θ(112.5°)	-9.69/-10.31	-8.96/-9.57	-9.04/-8.71	-7.48/-7.82	-9.55/-8.36	-10.13/-9.83	-9.71/-10.31	-10.32/-9.58	-9.53/-8.35	-7.55/-6.35	-6.27/-8.33	-9.2/-8.54	-8.74/-5.6	-7.32/-9.76	-7.4/-10.81	-8.77/-8.13	-7.17/-8.69	-10.38/-8.25	-9.74/-11.69	-13.25/-9.34	-10.34/-10.53	-8.01/-8.8	-7.58/-7.26	-8.49/-9.47
Θ(120°)	-11/-11.68	-11.23/-12.01	-11.2/-10.13	-8.95/-8.47	-9.66/-11.58	-12.74/-11.1	-9.98/-9.73	-11.52/-12.27	-10.94/-10.56	-8.59/-7.22	-6.81/-7.24	-8.87/-9.14	-9.69/-8.01	-7.01/-10.16	-10.59/-8.86	-10.97/-10.21	-8.78/-7.5	-9.88/-8.74	-9.88/-11.55	-11.38/-10	-10.47/-12.37	-10.65/-9.71	-9.63/-9.32	-8.73/-11.99
Θ(127.5°)	-12.68/-13.55	-10.44/-11.82	-11.68/-10.07	-8.25/-9.1	-11.38/-13.98	-14.31/-11.97	-12.76/-14.71	-13.23/-12.19	-13.27/-11.64	-8.87/-8.05	-6.72/-7.62	-8.92/-8.7	-7.99/-11.2	-8.64/-9.58	-9.59/-12.71	-14.78/-10.54	-9.94/-9.4	-11.84/-8.9	-9.46/-9.59	-11.12/-12.47	-13.24/-13.83	-12.01/-11.68	-11.52/-9.23	-11.81/-12.63
Θ(135°)	-13.31/-10.75	-10.65/-11.28	-11.3/-11.3	-10.96/-10.89	-12.81/-12.61	-12.48/-13.55	-14.19/-12.28	-12.3/-14.22	-15.64/-13.11	-9.23/-8.05	-8.5/-7.38	-7.25/-11.69	-8.03/-9.02	-9.64/-13.81	-12.92/-11.77	-12.04/-13.29	-14.15/-13.94	-15.45/-14.02	-14.65/-13.95	-13.9/-15.06	-13.58/-11.21	-10.63/-13.92	-13.86/-11.38	-10.31/-10.66
Θ(142.5°)	-15.52/-11.58	-13.19/-14.57	-12.33/-11.33	-9.75/-11.43	-14.98/-15.37	-15.49/-15.77	-14.69/-15.03	-13.63/-15.57	-15.28/-15.24	-10.71/-8.86	-9.25/-9.56	-8.19/-5.92	-8.06/-10.54	-11.04/-12.26	-10.88/-11.37	-10.69/-14.09	-13.09/-15.02	-15.15/-15.84	-12.82/-13.16	-11.19/-13.25	-12.12/-14.71	-15.76/-14.86	-14.46/-13.06	
Θ(150°)	-15.31/-14.58	-14.62/-13.98	-13.73/-12.45	-13.03/-12.27	-12.47/-13.51	-13.11/-14.77	-15.34/-14.78	-14.91/-14.4	-14.67/-15.43	-15.12/-13.28	-11.16/-9.47	-9.43/-9.08	-8.42/-7	-9.24/-11.98	-15.05/-15.07	-15.46/-15.59	-11.6/-13.49	-15.98/-12.59	-10.46/-13.57	-15.22/-15.31	-14.35/-15.5	-15.88/-15.4	-15.82/-15.19	-14.18/-13.86
Θ(157.5°)	-13.07/-15.07	-15.28/-14.27	-11.47/-10.78	-10.55/-12.08	-13.61/-14.71	-15.44/-14.99	-15.56/-15.11	-15.02/-15.03	-15.48/-13.57	-12.82/-12.16	-13.43/-13.2	-10.51/-9.71	-7.86/-7.52	-10.21/-13.68	-14.95/-15.11	-14.93/-15.41	-14.29/-15.12	-15.36/-15.04	-15.76/-14.84	-15.65/-14.57	-14.97/-13.8	-15.32/-14.78	-13.82/-13.85	-12.34/-11.05
Θ(165°)	-10.56/-10.49	-11.91/-14.41	-13.37/-12.47	-13.13/-13.55	-15.6/-15.72	-15.44/-15.52	-15.28/-15.61	-15.04/-15.35	-15.35/-15.51	-15.84/-15.29	-12.43/-11.41	-10.96/-10.35	-11.37/-11.54	-12.49/-15.19	-15.42/-15.71	-15.19/-15.48	-14.96/-15.48	-15.21/-14.53	-15.41/-15.42	-15.81/-15.26	-14.13/-14.57	-15.03/-13.89	-15.29/-15.95	-11.1/-10.27
Θ(172.5°)	-12.31/-12.35	-12.55/-13.67	-15.09/-15.52	-15.18/-15.66	-15.1/-14.6	-15.53/-14.6	-14.97/-14.91	-13.49/-14.32	-13.11/-12.23	-11.99/-11.54	-10.34/-11.31	-12.64/-13.56	-13.56/-13.53	-12.93/-14.74	-15.41/-15.34	-15.51/-15.35	-15.64/-15.08	-14.89/-16	-15.37/-15.36	-14.98/-15.6	-15.91/-15.04	-16.12/-14.9	-14.88/-13.3	-12.32/-10.95
Θ(180°)	-13.13/-13.26	-13.15/-12.63	-11.94/-12.77	-12.99/-12.96	-12.58/-12.15	-13.15/-14	-13.18/-12.47	-13.5/-13.79	-14.59/-15.54	-15.27/-15.53	-15.64/-15.43	-14.38/-14.88	-15.85/-15.19	-14.25/-15	-15.26/-15.29	-15.01/-15.14	-15.42/-14.32	-14.36/-14.41	-14.19/-14.3	-14.81/-13.71	-14.35/-15.61	-14.78/-13.92	-13.67/-13.63	-12.93/-13.17
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°)	-7.24/-6.41	-5.65/-4.93	-4.63/-4.69	-4.87/-5.16	-5.08/-5.49	-5.67/-5.98	-6.66/-7.36	-8.48/-9.83	-9.49/-10.01	-10.26/-9.97	-9.36/-8.7	-7.58/-7.01	-7.01/-6.7	-6.19/-6.03	-5.74/-5.59	-5.76/-5.64	-5.78/-6.48	-6.88/-7.3	-8.21/-8.68	-9.93/-12.15	-14.05/-14.61	-14.24/-13.99	-11.18/-9.51	-8.6/-7.8
Θ(7.5°)	-7.38/-6.76	-6.22/-5.65	-5.52/-5.61	-5.15/-4.84	-5.32/-5.75	-6.64/-6.8	-7.65/-9.09	-10.56/-12.37	-14.08/-15.3	-14.68/-13.76	-12.6/-10.89	-8.88/-7.58	-6.6/-5.48	-4.74/-4.55	-3.98/-3.52	-3.5/-4.01	-4.37/-4.47	-4.97/-5.31	-5.55/-6.67	-7.66/-9.44	-10.22/-10.44	-10.81/-10.86	-9.95/-8.3	-7.8/-7.54
Θ(15°)	-7.19/-6.94	-5.81/-5.1	-4.89/-4.34	-3.64/-3.6	-3.95/-4.57	-5.16/-5.65	-6.27/-7.11	-7.62/-7.91	-9.2/-10.67	-12.82/-14.02	-11.42/-9.58	-8.84/-7.51	-6.1/-5.3	-4.58/-4.08	-3.03/-2.32	-1.78/-1.42	-1.19/-1.57	-2.03/-2.41	-3.06/-4.53	-5.74/-7.47	-8.55/-9.03	-9.09/-9.06	-8.17/-7.13	-7.03/-7.28
Θ(22.5°)	-7.13/-6.6	-5.42/-4.95	-3.94/-3.07	-2.58/-2.97	-3.75/-4.35	-4.26/-4.55	-4.29/-4.1	-3.52/-3.75	-4.15/-4.89	-6.03/-6.76	-7.88/-9.47	-8.22/-6.47	-6.06/-5.32	-3.95/-3.35	-2.67/-1.79	-0.85/-0.6	0.37/0.43	0.16/-1.16	-2.21/-2.68	-3.31/-4.31	-5.36/-5.14	-5.32/-5.24	-5.74/-5.62	-5.93/-7.02
Θ(30°)	-5.65/-5.49	-4.2/-3.27	-2.69/-2.57	-2.9/-2.93	-2.4/-2.5	-2.89/-3.76	-4.19/-3.45	-2.44/-2.02	-1.67/-2.84	-4.35/-5.22	-5.31/-4.47	-5.13/-6.16	-6.6/-6.61	-4.21/-3.38	-2.88/-2.46	-2.1/-1.31	0.01/0.58	0.37/-0.84	-1.1/-1.2	-2.07/-2.31	-2.78/-4.18	-5.48/-5.96	-6.59/-5.88	-4.92/-5.3
Θ(37.5°)	-4.25/-3.72	-2.33/-1.85	-1.64/-1.75	-1.14/-0.46	-0.83/-1.53	-2.43/-3.48	-3.85/-2.47	-1.39/-1.03	-0.7/-1.44	-3.17/-4.26	-5.34/-3.86	-4.03/-5.54	-5.93/-4.17	-3.81/-4.38	-2.3/-2.6	-2.46/-1.01	-0.7/-0.53	0.06/0.54	0.3/-0.41	-1.73/-3.17	-4.58/-5.11	-6.5/-6.21	-5.67/-4.34	-3.54/-4.13
Θ(45°)	-4.78/-4.73	-2.83/-1.51	-1.26/-1.01	-0.0/-3	-0.46/0.09	0.02/-1.44	-1.91/-1.06	-0.19/0.17	0.48/0.68	-0.09/-1.85	-2.45/-2.35	-5.08/-6.16	-5.55/-3.6	-2.76/-2.25	-0.92/-1.14	-1.01/-0.76	-0.84/-0.5	0.18/0.78	0.83/-0.12	-1.21/-2.5	-3.62/-3.93	-4.69/-4.06	-2.95/-3.28	-2.61/-3.44
Θ(52.5°)	-4.5/-4.89	-3.91/-2.11	-1.18/-0.57	0.62/0.13	-0.11/0.8	0.37/-1.52	-3.26/-2.11	0.48/1.46	1.61/6.8	0.62/-0.8	-1.61/-1.38	-2.95/-4.81	-4.09/-4.53	-2.47/-1.39	0.96/0.96	0.29/-0.55	-0.79/0.46	1.17/-0.19	-1.16/-0.72	-0.89/-1.88	-2.21/-2.04	-3.56/-2.63	-2.05/-2.59	-2.14/-2.81
Θ(60°)	-3.69/-4.1	-4.64/-3.65	-2.16/-0.88	-0.02/-0.65	0.0/58	-0.1/-0.96	-1.93/-1.17	1.482.69	2.26/0.87	0.06/-0.64	-1.01/-0.53	-1.63/-4.72	-6.2/-4.98	-2.75/-1.81	0.82/2.03	1.60/99	0.02/0.51	0.22/-1.33	-1.79/-2.05	-1.21/-0.54	-0.64/-0.71	-2.67/-1.54	-1.04/-3.31	-2.18/-2.78
Θ(67.5°)	-3.5/-2.87	-4.15/-4.64	-3.3/-1.82	-0.96/-2.41	-1.43/-0.49	-0.68/-1	-1.74/-0.63	1.32/1.95	1.22/-0.35	-0.52/-0.96	-0.83/-1.01	-1.83/-3.57	-6.61/-4.52	-3.33/-1.82	0.39/1.84	0.79/-0.46	-1.35/-0.69	-1.28/-2.85	-3.51/-3.36	-1.52/-0.45	-0.51/-0.35	-2.31/-1.03	-1.39/-4.48	-2.38/-2.98
Θ(75°)	-4.33/-3.4	-4.66/-5.92	-4.58/-2.5	-1.63/-4.1	-3.01/-1.45	-1.26/-1.82	-3.34/-2.14	0.54/0.83	0.75/-1.04	-0.97/-0.11	-0.27/-0.89	-2.2/-2.21	-5.97/-4.4	-3.07/-3.18	-2.03/-0.01	-0.45/-0.98	-2.58/-1.58	-2.25/-3.49	-6.18/-4	-1.91/-1.3	-1.51/-1.51	-2.99/-1.61	-2.21/-6.52	-3.29/-3.1
Θ(82.5°)	-5.71/-4.36	-5.06/-7.64	-5.79/-3.67	-2.84/-5.96	-4.02/-1.89	-2.03/-3.48	-4.95/-3.05	-0.77/-0.42	-0.39/-1.15	-1.45/-0.81	-0.89/-0.9	-2.66/-2.72	-5.49/-5.16	-4.75/-4.33	-4.04/-2.18	-2.83/-3.25	-4.44/-3	-2.48/-3.83	-9.01/-3.48	-2.22/-1.99	-2.92/-3.83	-3.56/-3.1	-3.53/-6.71	-4.5/-4.58
Θ(90°)	-8.14/-5.48	-5.82/-8.85	-7.11/-5.07	-4.1/-6.55	-5.15/-3.01	-2.33/-4.94	-6.02/-3.04	-2.51/-1.87	-1.48/-1.97	-2.09/-1.86	-1.04/-2.28	-3.47/-2.35	-5.48/-8.05	-6.02/-4.1	-5.9/-5.15	-5.56/-3.64	-3.5/-3.05	-2.79/-4.33	-7.18/-3.71	-2.79/-2.58	-5.76/-6.4	-5.25/-5.41	-6.81/-9.77	-5.12/-6.09
Θ(97.5°)	-9.15/-8.16	-7.73/-10.1	-8.27/-6.42	-5.71/-7.91	-5.33/-3.33	-4.04/-5.85	-6.56/-4.76	-4.04/-2.85	-2.52/-2.79	-3.49/-3.12	-3.05/-4.13	-4.84/-4.19	-6.48/-9.56	-7.39/-5.57	-6.9/-7.67	-8.53/-8.33	-8.37/-4.82	-3.97/-6.46	-9.58/-4.34	-4.44/-5.9	-10.11/-9.89	-7.04/-9.74	-10.36/-10.54	-8.4/-7.91
Θ(105°)	-10.05/-8.31	-8.11/-12	-8.93/-7.5	-7.36/-8.6	-5.73/-4.34	-5.88/-6.63	-7.09/-6.02	-5.09/-4.17	-3.23/-3.94	-4.64/-4.47	-3.7/-5.38	-6.96/-5.79	-6.64/-12.21	-9.33/-6.91	-7.77/-11.19	-10.39/-9.41	-10.09/-9.73	-10.35/-11.92	-15.69/-8.96	-10.2/-11.71	-14.21/-15.74	-8.99/-10.15	-10.82/-14.88	-10.48/-8.99
Θ(112.5°)	-12.94/-9.29	-8.2/-12.27	-8.09/-7.5	-8.09/-7.25	-6.03/-5.17	-7.05/-8.99	-7.83/-7.03	-5.3/-4.74	-5.12/-4.56	-6.0														



-

Freq(Hz)	2.45G	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	4.98	2.42	3.3	2.55	2.46
Ant. 2 Max Gain (dBi)	4.38	2.59	2.48	2.11	2.78
Ant. 3 Max Gain (dBi)	3.95	4.86	5.17	5.23	4.51
Ant. 4 Max Gain (dBi)	3.56	3.03	2.66	2.76	3.16
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/37.5/285	Phi/60/67.5	Phi/75/90	Phi/82.5/240	Phi/67.5/37.5
Ant. 2 Polarization/Θ(°)/Φ(°)	Phi/45/67.5	Phi/75/277.5	Phi/60/30	Phi/75/172.5	Phi/75/172.5
Ant. 3 Polarization/Θ(°)/Φ(°)	Phi/15/150	Theta/67.5/97.5	Theta/52.5/247.5	Theta/67.5/112.5	Theta/60/112.5
Ant. 4 Polarization/Θ(°)/Φ(°)	Phi/7.5/150	Theta/60/60	Theta/67.5/90	Theta/60/67.5	Theta/37.5/217.5
Max Gain (dBi)	4.98	4.86	5.17	5.23	4.51
DG [1SS] (dBi)	6.92	5.15	5.29	5.34	4.71
DG [2SS] (dBi)	4.98	4.86	5.17	5.23	4.51
DG [4SS] (dBi)	4.98	4.86	5.17	5.23	4.51



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

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°)	0.34/-0.2	-0.9/-1.76	-2.93/-4.59	-6.17/-7.04	-6.47/-5.22	-3.78/-2.35	-1.12/-0.25	0.44/0.96	1.37/2.09	2.63/06	2.86/8.23	2.32/2.06	1.69/1.14	0.37/-0.49	-1.61/-3.16	-5.31/-6.84	-6.63/-6.1	-5.39/-4.2	-2.86/-1.56	-0.67/-0.01	0.62/0.99	1.29/1.4	1.41/1.29	1.06/0.74
Θ(7.5°)	1.94/1.48	0.89/0.16	-0.85/-2.22	-3.97/-5.84	-6.83/-6.53	-1.71/-4.52	-3.26/-2.19	-1.47/-0.87	-0.38/0.17	1.23/2.22	3.44/2.46	1.71/0.98	0.56/-0.21	-0.99/-2.08	-3.42/-5.19	-6.21/-6.45	-5.15/-3.73	-2.49/-1.37	-0.32/0.59	1.37/1.98	2.42/6.66	2.82/8.2	2.82/6.8	2.49/2.23
Θ(15°)	3.42/3.1	2.67/2.09	1.32/0.34	-0.82/-1.98	-2.88/-3.08	-2.71/-2.06	-1.3/-0.48	0.15/0.76	1.06/1.38	2.12/95	4.15/3.26	2.59/2.26	1.81/0.7	0.05/-1.08	-2.27/-3.14	-3.01/-2.25	-1.57/-0.47	0.43/1.18	1.87/2.47	3.02/3.48	3.85/4.1	4.22/4.22	4.18/4.06	3.93/6.7
Θ(22.5°)	4.69/4.49	4.18/3.73	3.06/2.26	1.39/0.66	0.21/-0.04	-0.05/0.21	0.60/0.99	1.47/1.93	2.38/2.69	3.11/3.74	4.06/4.4	4.44/2.2	3.75/3.12	2.23/1.19	0.35/0.15	0.46/0.97	1.67/2.23	2.69/3.1	3.48/3.84	4.19/4.54	4.86/5.11	5.27/5.29	5.26/5.16	5.04/4.86
Θ(30°)	5.66/5.58	5.35/4.95	4.34/3.66	3.07/2.71	2.52/2.26	1.97/1.75	1.63/1.83	2.28/2.73	3.29/3.78	4.08/4.53	4.95/2	5.32/5.28	5.07/4.59	3.86/3.17	2.49/2.42	2.84/2.23	3.54/3.77	3.91/4.03	4.31/4.72	5.13/5.45	5.75/5.9	6.09/6.18	6.13/6.03	5.89/5.76
Θ(37.5°)	6.05/5.95	5.73/5.36	4.85/4.32	3.95/3.85	3.81/3.64	3.26/2.96	2.93/3.21	3.53/3.81	4.28/4.72	4.86/5.11	5.35/3.36	5.79/5.87	5.73/5.35	4.96/4.52	4.32/4.28	4.27/4.25	4.24/4.19	4.12/4.2	4.49/5.14	5.75/6.11	6.32/6.5	6.69/6.8	6.76/6.54	6.33/6.15
Θ(45°)	5.73/5.47	5.23/5.03	4.76/4.46	4.31/4.39	4.44/4.33	4/3.69	3.78/4.19	4.57/4.84	5.15/5.35	5.53/5.46	5.45/5.59	5.71/5.81	5.72/5.46	5.15/4.95	4.69/4.56	4.39/4.42	4.22/4.06	3.88/4.08	4.37/5.13	5.83/6.29	6.56/6.68	6.81/6.92	6.87/6.58	6.24/5.95
Θ(52.5°)	4.88/4.61	4.51/4.61	4.58/4.42	4.33/4.45	4.45/4.22	3.79/3.42	3.4/3.83	4.39/4.82	5.06/5.42	5.58/5.29	5.02/4.87	5/5.19	5.01/4.79	4.89/4.94	4.81/4.54	4.26/3.98	3.65/3.39	3.33/3.53	4/4.79	5.52/5.98	6.18/6.24	6.29/6.29	6.11/5.72	5.35/5.12
Θ(60°)	4.08/4.11	4.31/4.56	4.41/3.98	3.63/5.57	3.41/2.96	2.37/1.82	1.88/2.5	3.24/3.84	4.34/4.82	5.08/4.74	4.42/4.27	4.42/4.33	4.11/4.01	4.21/4.31	4.13/4.44	2.82/2.47	2.41/2.36	2.32/2.56	3.15/3.97	4.8/5.23	5.33/5.31	5.35/5.19	4.88/4.34	4.03/4.07
Θ(67.5°)	2.44/2.53	3.23/3.74	3.55/2.88	2.29/2.11	1.88/1.37	0.80/0.72	0.98/1.42	2.13/2.78	3.3/3.79	4/3.75	3.29/3.15	3.23/3.04	2.84/2.99	3.23/3.07	2.62/2.07	1.43/1.28	1.28/1.09	1.02/1.19	1.85/2.94	3.8/4.18	4.08/3.83	3.81/3.81	3.57/3.08	2.79/2.65
Θ(75°)	0.56/-0.16	0.83/1.91	1.95/1.44	1.34/1.31	0.45/-0.35	-0.58/-0.63	-0.32/-0.16	0.09/1	1.76/2.46	2.79/2.53	2.06/1.88	2.18/2.2	1.66/1.5	1.72/1.64	1.40/0.7	0.14/0.18	-0.17/-0.35	-0.34/-0.24	0.33/1.46	2.4/2.84	2.72/2.2	1.92/2.06	1.89/1.39	1.27/1.18
Θ(82.5°)	-0.66/-1.41	-0.36/0.7	0.55/-0.15	-0.18/-0.46	-1.46/-2.17	-2.1/-2.12	-1.99/-1.81	-1.22/-0.26	0.50/0.69	0.90/43	-0.37/-0.21	0.32/0.04	-0.62/-0.01	0.24/0.1	-0.44/-1.39	-1.51/-1.47	-1.91/-1.94	-1.49/-1.42	-1.06/-0.39	0.44/0.82	0.77/0.56	0.54/0.7	0.37/-0.55	-0.44/-0.08
Θ(90°)	-2.6/-3.62	-2.01/-0.58	-0.67/-1.31	-0.97/-1.21	-3.01/3.99	-3.76/-3.52	-2.96/-2.86	-2.53/-1.69	-1.14/-0.99	-0.89/-1.34	-2.19/-2.04	-1.46/-1.3	-1.84/-2.02	-1.76/-1.45	-1.63/-2.49	-2.75/-2.88	-3.51/-3.31	-2.53/-2.68	-3/-2.68	-1.92/-1.12	-0.77/-0.77	-0.9/-0.92	-1.44/-2.68	-2.8/-2.19
Θ(97.5°)	-4.2/-4.91	-3.74/-2.52	-2.81/-3.43	-2.54/-2.63	-4.65/-6.28	-5.93/-5.25	-5.04/-5.11	-4.86/-3.4	-2.54/-2.39	-2.26/-2.55	-3.39/-3.69	-2.58/-2.12	-3.17/-3.45	-3.13/-2.76	-2.98/-4.1	-4.16/-3.88	-4.3/-4.5	-4.16/-4.21	-4.65/-4.36	-3.52/-2.23	-1.27/-1.48	-2.03/-2.25	-3.08/-4.72	-8.2/-3.98
Θ(105°)	-5.6/-7.02	-5.77/-4.09	-4.4/-5.29	-3.98/-3.93	-6.28/-8.13	-8.09/-7.1	-6.4/-6.43	-6.65/-5.61	-4.8/-4.28	-3.75/-3.84	-4.8/-5.17	-3.34/-2.88	-4.32/-5.38	-4.82/-4.64	-4.46/-5.13	-5.16/-4.92	-5.29/-6.35	-6.56/-6.34	-6.09/-6.03	-5.15/-3.52	-1.97/-1.85	-2.93/-4.05	-5.19/-6.31	-5.21/-4.56
Θ(112.5°)	-5.81/-7.51	-6.65/-5.72	-6.59/-7.79	-6.89/-5.42	-7/-9.06	-8.81/-8.38	-7.69/8.03	-8.23/-7	-6.17/5.19	-4.03/-4.12	-5.28/-5.68	-4.32/-4.5	-5.94/-5.62	-5.77/-6.12	-6.09/6.81	-6.07/5.61	-6.38/-7.83	-8.78/-6.66	-7.93/-7.86	-7.43/-5.95	-4.36/4	-4.43/-5.1	-6.47/-7.9	-5.66/-4.7
Θ(120°)	-6.93/-9.04	-7.25/-5.92	-6.34/-8.37	-7.38/-6.99	-7.93/-8.98	-9.41/-10.85	-11.61/-10.6	-9.5/-8.02	-7.07/-5.99	-4.73/-4.49	-5.59/-6.55	-4.95/-5.31	-6.63/-7.56	-9.21/-8.54	-7.83/-8.42	-8.17/-4.71	-7.88/-8.95	-10.83/-10.53	-10.07/-9.34	-8.29/-6.61	-5.01/-4.74	-5.2/-5.38	-5.85/-6.78	-6.12/-5.41
Θ(127.5°)	-1.47/-1.51	-5.94/-5.69	-6.36/-7.62	-8.32/-8.52	-8.67/-9	-10.19/-9.42	-8.53/-8.18	-7.73/-6.41	-4.72/-3.95	-4.72/-3.95	-4.68/-6.42	-7.16/-8.72	-10.71/-11.74	-9.43/-7.61	-6.13/-9.27	-9.47/9.71	-10.14/-10.58	-11.31/-10.7	-10.34/-8.31	-6.33/-5.6	-5.96/-7.62	-9.31/-9.1	-7.11/-5.79	-7.11/-5.79
Θ(135°)	-5.94/-5.27	-4.08/-3.77	-5.04/-7.2	-9.41/-10.31	-11.17/-10.98	-10.14/-9.51	-9.34/-8.54	-8.53/-9.61	-10.94/-8.76	-6.09/-4.99	-5.87/-7.91	-8.23/-8.3	-8.86/-8.23	-9.43/-9.15	-8.97/9.61	-9.91/-9.93	-9.76/-9.67	-9.07/9.53	-9.85/-11.91	-11.86/-11.26	-10.57/-7.9	-6.41/6.3	-4.84/-6.31	-6.44/-6.27
Θ(142.5°)	-6.48/-6.47	-5.55/-5.1	-6.6/-5.68	-7.44/-8.13	-9.41/-10.34	-10.89/-10.47	-9.37/-8.21	-7.89/-8.21	-6.48/-7.54	-6.26/-5.58	-5.59/-6.33	-7.07/-8.62	-10.37/-10.46	-11.42/-12.34	-10.4/-9.43	-9.43/-9.62	-9.16/-9.01	-9.49/-10.69	-11.91/-11.62	-12.69/-12.15	-10.68/-8.92	-6.92/-5.97	-5.38/-4.94	-5.12/-5.81
Θ(150°)	-8.39/-8.75	-8.2/-7.19	-6.91/-6.61	-6.68/-6.97	-9.27/-10.06	-11.86/-12.04	-10.42/-8.72	-7.65/-7.14	-8.66/-6.21	-6.25/-5.94	-5.97/-6.29	-6.83/-8.41	-8.33/-9.8	-9.35/-9.21	-10.2/-1.64	-7.86/-8.41	-9.89/-1.16	-11.87/-11.59	-9.83/-9.1	-9.2/-9.44	-9.13/-6.68	-8.27/-6.61	-7.21/-7.6	-7.21/-7.6
Θ(157.5°)	-9.68/-9.6	-8.56/-7.94	-6.85/-6.56	-7.46/-8.6	-10.48/-12.43	-12.31/-11.76	-10.38/-9.17	-8.71/-8.37	-8.58/-7.94	-7.41/-7.28	-7.42/-7.97	-8.78/-9.18	-9.16/-9.21	-8.69/-8.63	-7.79/-6.71	-6.45/-6.53	-7.24/-7.63	-8.8/-10.9	-11.14/-10.07	-8.61/-8.03	-7.65/-7.87	-8.53/-9.28	-10/-9.47	-9.72/-9.19
Θ(165°)	-10.16/-9.67	-8.81/-8.4	-7.78/-7.88	-9.11/-10.76	-11.65/-12.58	-12.22/-10.82	-9.61/-9.06	-8.75/-8.65	-9.25/-9.48	-9.35/-8.78	-8.73/-8.63	-8.94/-9.4	-9.27/-9.59	-9.26/-9.35	-9.32/-8.76	-8.68/-8.42	-8.93/-9.74	-9.94/-12.14	-11.69/-11.87	-9.84/-9.21	-9.9/-9.21	-10.14/-10.56	-11.39/-10.83	-10.75/-10.39
Θ(172.5°)	-8.52/-8.42	-8.57/-8.42	-8.63/-8.9	-9.57/-10	-10.01/-10.26	-11.77/-11.09	-9.8/-9.26	-9.18/-9.39	-9.68/-9.48	-9.81/-9.45	-9.12/-9.74	-9.73/-9.98	-10.59/-10.5	-10.81/-10.84	-10.83/-11.37	-12.35/-12.4	-12.14/-11.52	-12.03/-12.58	-12.41/-12.23	-11.23/-11.14	-10.87/-10.84	-11.15/-11.21	-10.83/-10.69	-9.86/-9.34
Θ(180°)	-8.04/-8.34	-8.79/-8.63	-9.46/-9.65	-10.46/-10.62	-11.14/-11.21	-11.56/-11.34	-10.9/-11.61	-11.62/-11.43	-10.96/-10.8	-10.86/-11.02	-10.89/-10.99	-8.72/-10.01	-10.84/-10.53	-10/-10.39	-11.36/-12.01	-12.34/-12.38	-12.66/-12.22	-12.76/-11.68	-12.07/-11.66	-11.29/-11.3	-11.69/-11.37	-10.76/-10.36	-9.56/-8.98	-8.85/-8.3
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°)	-5.36/-4.39	-3.76/-3.18	-2.7/-2.28	-1.86/-1.7	-1.69/-1.84	-2.02/-2.39	-2.63/-2.97	-3.5/-4.29	-5.41/-6.78	-8.35/-9.34	-9.88/-9.03	-8.15/-6.73	-5.81/-4.74	-3.84/-3.02	-2.33/-1.77	-1.29/-1.01	-0.96/-1.1	-1.36/-1.61	-1.87/-2.22	-2.82/-3.71	-4.9/-6.46	-8.28/-9.46	-9.57/-8.55	-7.29/-6.18
Θ(7.5°)	-5.91/-5.31	-4.52/-3.87	-3.24/-2.73	-2.3/-1.9	-1.71/-1.71	-1.87/-2.16	-2.62/-3.09	-3.84/-4.78	-6.7/-41	-9.29/-10.77	-10.78/-9.1	-7.22/-5.74	-4.57/-5.35	-2.73/-2.24	-1.77/-1.44	-1.19/-1.15	-1.2/-1.46	-1.78/-2	-2.17/-2.41	-2.86/-3.64	-4.69/-5.97	-7.08/-7.98	-8.39/-8.05	-7.51/-6.81
Θ(15°)	-5.25/-4.76	-4.42/-3.96	-3.37/-2.94	-2.48/-2.23	-2.15/-2.21	-2.32/-2.61	-2.93/-4.1	-4.35/-5.53	-6.87/-9.79	-8.72/-9.54	-9.13/-7.57	-5.94/-2.25	-3.08/-2.29	-1.64/-1.24	-1.17/-1.07	-1.12/-1.19	-1.57/-1.97	-2.45/-2.86	-3.15/-3.42	-3.76/-4.28	-4.93/-5.56	-5.97/-6.24	-6.34/-6.31	-5.95/-6.5
Θ(22.5°)	-3.75/-3.56	-3.32/-3.07	-2.9/-2.56	-2.41/-2.4	-2.51/-2.74	-2.96/-3.04	-3.18/-3.74	-4.83/-5.97	-7.19/-8.04	-8.66/-8.26	-7.22/-5.63	-4.1/-2.73	-1.55/-0.98	-0.55/-0.42	-0.57/-0.78	-0.96/-1.44	-1.97/-2.64	-3.11/-3.66	-3.97/-4.08	-4.3/-4.7	-5.11/-5.4	-5.38/-5.27	-5.09/-4.79	-4.43/-4.04
Θ(30°)	-2.11/-2.1	-2.02/-2.1	-2.11/-2.18	-2.41/-2.66	-2.83/-3	-3.16/-3.24	-3.39/-3.69	-4.44/-5.8	-7/-8.1	-7.78/-6.51	-5.34/-3.99	-2.98/-1.9	-1.02/-0.58	-0.54/-0.54	-1.13/-1.55	-2.34/-2.87	-3.68/-3.97	-4.3/-4.36	-4.46/-4.56	-4.56/-4.5	-4.55/-4.67	-4.34/-4.74	-4.03/-2.52	
Θ(37.5°)	-0.81/-0.76	-0.82/-0.99	-1.54/-2.14	-2.55/-2.82	-2.7/-2.65	-2.74/-2.92	-3.14/-3.31	-3.72/-4.82	-5.93/-6.97	-6.51/-4.94	-3.74/-2.88	-2.93/-1.26	-0.77/-0.42	-0.24/-0.21	-0.11/-0.33	-0.82/-1.38	-2.17/-2.91	-3.56/-4.14	-4.95/-4.89	-4.95/-4.82	-4.37/-4.05	-3.76/-3.69	-3.27/-2.72	-1.78/-1.14
Θ(45°)	0.27/0.21	-0.17/-0.87	-1.7/-2.42	-2.98/-2.84	-2.4/-2.29	-2.49/-2.9	-3.29/-3.49	-3.52/-3.81	-4.58/-5.56															



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(22.5°)	-4.06/-4.06	-3.36/-3.08	-2.63/-2.39	-1.95/-1.03	-0.52/-0.48	-0.88/-1.57	-2.61/-1.348	-3.2/-3.18	-3.18/-3.05	-3.27/-2.79	-2.1/-2.07	-2.29/-2.23	-1.96/-1.36	-0.85/-0.66	-0.69/-1.15	-2.02/-0.39	-3.45/-3.61	-3.15/-1.92	-0.68/-0.02	0.27/0.39	0.05/-0.79	-1.4/-1.7	-1.92/-2.66	-3.65/-3.72
Θ(30°)	-1.71/-1.56	-1.66/-1.65	-1.46/-0.74	-0.08/0.54	0.85/0.78	0.15/0.1	-0.45/-1.08	-1.65/-2.53	-1.69/-0.98	-0.78/-0.98	-0.89/-1.04	-1.13/-0.7	-0.12/-0.44	0.73/-0.14	0.92/0.45	-0.32/-0.85	-1.97/-2.78	-3.06/-2.77	-1.37/-0.07	0.39/0.23	-0.45/-1.3	-1.49/-1.05	-0.94/-1.01	-1.59/-1.78
Θ(37.5°)	0.4/-0.2	-0.22/-0.06	0.14/0.51	0.91/-1.46	1.68/-1.43	0.9/0.6	0.1/-1.32	-2.18/-2	-1.81/-1.02	-0.07/-0.3	-0.73/-0.78	-0.56/-0.07	0.82/0.88	1.41/-84	1.66/-1.18	0.75/-0.46	-1.11/-1.47	-1.57/-1.46	-1.09/-0.59	-0.42/-0.09	-0.52/-1.13	-1.41/-1.07	0.19/0.53	0.124/-0.62
Θ(45°)	1.01/1.04	2.12/25	2.62/66	2.56/235	1.79/1.38	1.59/1.52	1/0.4	-0.8/-1.47	-1.45/-0.47	0.01/0.06	-0.53/-0.73	-0.39/-0.47	-0.16/0.68	1.122/0.9	2.12/11	1.78/0.71	-0.32/-0.69	-0.47/-0.11	0.14/-0.16	0.11/0.41	0.55/0.44	-0.18/-0.34	0.56/0.64	0.54/1.5
Θ(52.5°)	1.742/-1.4	3.62/3.98	3.87/3.38	2.792/0.8	1.12/1.01	1.57/1.88	1.47/1.18	1.06/0.64	0.22/1.43	1.6/-1.22	0.06/-1.29	-1.06/-0.88	0.52/1.77	1.49/1.51	1.29/-1.37	1.62/1.07	1.15/0.37	0.44/0.88	1.20/53	0.76/1.46	1.4/0.82	0.96/1.11	21/35	0.32/1.66
Θ(60°)	3.14/3	3.24/3.37	3.31/3.22	2.53/0.98	1.65/0.92	1.53/2.6	3.18/2.52	1.61/1.5	1.51/0.36	3.782/79	1.9/0.21	-1.14/0.64	1.42/23	1.72/1.4	0.80/36	0.63/0.47	0.75/0.18	0.21/0.12	0.15/0.49	0.79/1.02	1.59/1.95	2.03/1.67	2.52/2.21	2.152/3.9
Θ(67.5°)	3.44/2.49	2.07/2.4	2.87/2.42	1.48/1.32	1.88/1.44	1.97/3.22	4.12/3.66	2.75/2.63	2.95/3.36	4.14/3.58	2.67/1.81	1.4/2.25	2.28/3.32	2.62/1.82	1.23/0.49	-0/0.01	1.27/1.1	1.32/1.29	1.34/1.88	1.97/1.59	2.36/2.76	2.82/4.5	2.72/4.8	2.54/3.17
Θ(75°)	3.18/1.55	0.61/1.4	1.79/1.38	0/0.01	1.08/0.81	2.03/3.75	5.29/3.75	2.68/2.66	2.76/3.11	3.59/3.18	2.92/2.53	1.59/2.25	2.06/2.18	1.48/1.6	1.82/0.41	-0.73/0.08	1.4/1.79	1.99/2.2	2.66/2.63	2.05/1.02	1.86/2.74	2.1/1.13	1.72/3.39	2.153/1.9
Θ(82.5°)	1.8/0.2	-0.41/-0.29	0.19/0.32	-1.33/-1.23	-0.19/-0.43	0.762/2.74	2.56/1.77	22/47	1.85/2.05	2.432/0.4	1.54/1.31	1.26/1.61	1.32/1.24	0.35/0.93	1.34/-0.95	-1.78/-0.1	1.31/2.02	2.26/2.12	2.72/8.2	1.98/1.07	1.25/1.85	1.30/1.2	0.6/0.79	1.06/1.61
Θ(90°)	-0.01/-1.2	-1.92/-1.69	-1.31/-1.44	-3.34/-2.6	-1.86/-2.52	-1.51/0.76	0.6/-0.32	0.37/0.93	0.03/0.38	0.61/-0.1	0.29/-0.03	-0.22/0.15	0.05/-0.1	-1.81/-0.2	-0.31/-2.89	-2.47/-0.79	0.65/1.39	1.84/0.86	1.76/1.68	0.85/-0.15	-0.35/0.1	-0.3/-1.76	-1.41/-0.86	0.05/0.03
Θ(97.5°)	-1.6/-2.37	-2.84/-4.48	-3.18/-2.77	-4.09/-4.5	-3.82/-4.27	-2.72/-0.65	-1.96/-2.09	-1.05/-1.71	-2.29/-1.38	-1.66/-2.42	-2.25/-2.09	-1.4/-2.09	-1.22/-0.83	-3.4/-2.21	-0.95/-4.29	-5.49/-2.96	-1.05/-0.62	-0.25/-1.59	-0.63/-0.44	-1.24/-1.96	-2.75/-2.33	-2.31/-4.48	-3.66/-3.37	-2.29/-1.56
Θ(105°)	-3.86/-3.45	-3.99/-5.73	-6.19/-5.07	-5.73/-6	-5.97/-6.32	-4.57/-2.95	-3.84/-3.58	-3.57/-3.55	-3.58/-3.06	-4.22/-3.5	-3.68/-4.05	-2.39/-2.88	-3.44/-2.43	-3.35/-4.33	-3.19/-5.61	-6.31/-6.76	-4.15/-3.72	-3.58/-5.16	-4.08/-3.53	-4.07/-5.29	-5.16/-5.23	-4.01/-6.67	-4.26/-4.44	-8.61/-8.27
Θ(112.5°)	-5.54/-5.73	-7.03/-6.34	-6.62/-7.52	-7.23/-7.3	-8.02/-8.55	-6.66/-8.75	-5.22/-5.55	-5.81/-5.13	-5.28/-5.65	-5.99/-5.21	-5.48/-4.69	-3.85/-4.64	-3.72/-5.37	-5.19/-4.31	-4.51/-6.9	-8.71/-7.71	-8.81/-6.8	-7.97/-8.34	-8.39/-7.01	-7.44/-8.59	-7.88/-7.66	-6.33/-8.23	-6.06/-5.27	-4.51/-5.6
Θ(120°)	-5.36/-5.92	-6.43/-7.3	-7.96/-8.79	-8.46/-8.6	-8.58/-10.25	-9.32/-8.79	-7.06/-7.25	-7.04/-8.04	-8.55/-7.59	-6.63/-3.9	-7/-6.6	-5.35/-6.35	-5.75/-6.25	-6.61/-7.01	-5.86/-7.93	-9.91/-7.76	-6.8/-6.83	-8/-8.58	-9.28/-8.19	-7.54/-8.32	-7.91/-8.36	-8.02/-8.49	-8.83/-7.48	-6/-5.28
Θ(127.5°)	-7.57/-6.89	-6.96/-8.4	-8.31/-8.78	-10.23/-9.49	-9.62/-10.98	-10.07/-10.76	-9.86/-9.15	-8.93/-8.81	-9.6/-9.1	-6.47/-5.47	-6.58/-6.95	-6.71/-6.12	-7.46/-6.69	-5.71/-5.72	-6.24/-10.1	-11.78/-8.93	-9.41/-7.95	-9.23/-7.76	-8.46/-7.24	-6.97/-7.37	-8.98/-9.62	-9.41/-7.5	-9.67/-8	-5.46/-6.91
Θ(135°)	-7/-8.64	-8.72/-9.29	-9.35/-9.28	-10.94/-11.22	-10.8/-11.37	-10.85/-12.33	-9.98/-10.01	-10.24/-8.61	-8.15/-8.97	-8.33/-8.27	-8.72/-6.82	-7.93/-8.97	-8.44/-8.41	-8.41/-6.76	-8.09/-9.35	-9.09/-11.99	-8.96/-10.29	-11.26/-11.62	-10.15/-8.96	-11.4/-12.32	-11.79/-11.78	-9.1/-9.29	-11.34/-7.54	-8.75/-7.66
Θ(142.5°)	-9.29/-11.52	-9.21/-9.78	-11.31/-10.1	-9.97/-11.38	-11.98/-11.58	-12.47/-10.87	-9.54/-10.48	-9.93/-10.33	-11.23/-9.52	-7.72/-8.34	-8.44/-8.14	-8.43/-8.15	-9.48/-11.15	-11.07/-8.83	-8.75/-10.88	-10.22/-10.84	-11.19/-10.93	-12.16/-11.5	-11.23/-10.4	-10.64/-9.13	-12.83/-12.48	-11.12/-9.99	-11.13/-9.49	-10.24/-10.86
Θ(150°)	-8.84/-9.53	-9.12/-9.27	-11.07/-12.1	-11.55/-10.58	-10.71/-11.35	-11.48/-12.7	-10.17/-11.33	-10.25/-9.79	-11.24/-11.97	-10.33/-8.73	-6.91/-8.39	-10.10/-10.8	-7.75/-9.22	-9.27/-9.64	-10.88/-12.07	-11.77/-11.1	-11.12/-10.93	-11.66/-9.55	-8.33/-10.45	-10.68/-11.4	-11.29/-11.73	-12.48/-12.42	-10.85/-10.18	-10.77/-9.78
Θ(157.5°)	-8.68/-8.93	-10.09/-11.43	-12.53/-10.73	-9.84/-9.52	-10.67/-12.18	-11.79/-12.79	-12.48/-12.01	-11.01/-12.07	-12.34/-11.64	-12.38/-12.26	-11.86/-10.65	-9.12/-7.53	-7.64/-10.77	-10.98/-10.95	-10.9/-11.45	-12.52/-12.22	-12.81/-12.56	-10.78/-10.65	-12.23/-12.37	-11.32/-11.62	-11.96/-11.44	-12.11/-12.42	-12.07/-10.93	-9.36/-9.18
Θ(165°)	-10.91/-10.15	-9.39/-9.12	-9.59/-10.55	-10.68/-11.19	-11.27/-10.59	-10.3/-10.32	-11.05/-11.45	-10.98/-11.91	-11.51/-10.58	-11.07/-10.04	-9.13/-8.91	-8.71/-9.57	-9.75/-10.88	-10.59/-11.46	-11.91/-12	-12.75/-12.12	-11.88/-11.17	-11.12/-12.19	-12.84/-12.69	-12.48/-11.88	-10.81/-10.18	-9.55/-10.25	-9.37/-9.26	-10.29/-12.7
Θ(172.5°)	-10.08/-9.12	-9.13/-9.72	-8.89/-8.86	-9.77/-10.26	-9.97/-11	-10.73/-11.11	-11.16/-10.41	-10.71/-11.27	-11.42/-11.72	-11.39/-10.05	-9.39/-10.04	-10.79/-11.84	-12.08/-12.54	-12.16/-11.03	-10.67/-10.84	-11.14/-11.42	-11.29/-12.38	-12.59/-12.24	-12.64/-12.38	-11.74/-11.97	-12.36/-11.79	-11.03/-10.88	-10.77/-10.38	-10.93/-10.59
Θ(180°)	-8.22/-7.76	-7.71/-9.47	-7.49/-7.29	-7.62/-8.67	-8.19/-10.33	-10.34/-11.19	-10.93/-11.08	-12.46/-11.97	-10.52/-10.5	-9.23/-8.91	-9.52/-10.33	-9.73/-9.18	-8.72/-8.84	-9.07/-9.03	-10.25/-10.21	-9.73/-10.26	-10.72/-10.53	-9.96/-10.31	-12.42/-11.14	-11.93/-11.55	-11.22/-11.03	-10.44/-9.67	-9.76/-9.35	-8.61/-8.27
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°)	-1.85/-2.11	-2.34/-2.76	-3.57/-4.4	-1.58/-5.89	-6.54/-6.71	-6.06/-6.22	-6.45/-5.95	-5.64/-5.47	-4.8/-3.94	-3.29/-2.86	-2.6/-2.37	-2.28/-2.15	-2.18/-2.34	-2.8/-3.23	-4.15/-5.34	-6.15/-6.83	-7.08/-7.21	-6.89/-6.19	-5.43/-5.32	-4.77/-3.71	-2.89/-2.65	-2.82/-2.54	-2.05/-1.85	-1.69/-1.69
Θ(7.5°)	-2.73/-2.98	-3.15/-3.72	-4.87/-5.89	-6.12/-6.39	-6.42/-6.25	-6.5/-5.05	-4.12/-3.65	-3.62/-3.61	-3.33/-2.61	-2.25/-2.08	-2.1/-2.03	-1.98/-1.94	-1.94/-2.35	-2.7/-3.22	-4.01/-4.8	-4.81/-4.4	-4.51/-5.28	-5.66/-5.86	-5.87/-5.64	-5.75/-5.88	-5.66/-4.99	-5.44/-3.58	-2.76/-2.44	-2.1/-2.34
Θ(15°)	-2.91/-3.5	-3.33/-3.88	-4.76/-5.39	-5.67/-5.27	-4.81/-4.48	-4.82/-5.16	-4.44/-2.48	-4.29/-3.97	-3.85/-3.68	-3.44/-3.13	-3.46/-3.03	-3.24/-3.28	-3.44/-3.38	-3.27/-3.07	-2.27/-1.78	-1.88/-1.34	-1.23/-1.56	-2.71/-3.27	-2.14/-2.55	-5.09/-4.54	-3.53/-2.8	-2.33/-2.69		
Θ(22.5°)	-2.13/-2.28	-2.33/-3.27	-3.53/-3.12	-2.43/-1.42	-0.33/0.07	-0.62/-1.61	-1.83/-1.37	-1.67/-1.86	-2.25/-2.94	-2.96/-2.58	-2.77/-2.5	-1.93/-1.75	-1.62/-1.58	-1.14/-1.25	-1.26/-0.24	0.77/1.16	1.03/0.83	0.54/0.27	0.4/0.5	0.79/0.28	-0.84/-2.15	-3.16/-2.92	-2.38/-2.09	-2.09/-1.97
Θ(30°)	-1.71/-1.47	-1.94/-2.61	-1.58/-0.19	-0.13/0.03	0.61/1.11	1.56/1.39	1.28/1.54	1.69/1.55	0.34/-1.08	-1.58/-1.53	-1.72/-2.33	-2.13/-1.3	-0.46/-0.36	-0.13/0.06	0.52/1.31	2.12/-1.97	1.42/0.84	0.71/0.91	0.61/0.51	0.53/0.45	-0.02/-0.96	-1.62/-0.27	-1.49/-1.28	-1.79/-1.65
Θ(37.5°)	-2.17/-1.08	-1.17/-1.68	-1.11/-0.5	-0.06/0.27	0.35/1.38	2.25/2.01	2.05/2.44	1.83/1.11	0.07/-1.1	-1.29/-0.54	-0.84/-2.55	-3.07/-2.51	-1.59/-1.56	1.36/0.31	1.55/-1.97	2.44/-2.09	1.67/1.67	1.85/2.1	2.36/2	1.43/0.97	0.51/-0.6	-1.44/-1.27	-0.73/-0.83	-1.81/-2.34
Θ(45°)	-3.54/-1.66	-1.28/-0.63	0.38/0.98	0.42/-0.58	0.38/2.18	2.84/2.55	2.18/1.99	1.35/0.11	-0.8/-0.66	-0.26/0.62	0.44/-0.98	3.06/-4.19	-2.99/-2.29	-1.8/-0.24	0.77/1.18	1.41/-77	2.34/2.53	2.28/-3.3	1.18/1.46	1.93/1.58	0.54/-0.62	-0.94/-1.47	-0.17/0.93	-0.62/-2.76
Θ(52.5°)	-1.89/-0.9	-1.25/-0.92	0.62/1.36	0.53/-0.4	1.45/2.71	2.89/2.71	2.65/-2.93	2.51/0.93	0.21/-1.29	1.59/-1.22	0.74/0.18	-0.82/-2.29	-1.91/-1.21	-1.87/-0.43	0.65/0.71	0.55/-1.45	2.25/3.1	2.89/1.83	1.08/1.74	2.31/-98	0.93/-1.02	-1.05/-1	-0.25/-1.51	0.82/-1.82
Θ(60°)	0.66/0.45	-0.15/-1.04	0.37/1.1	1.44/1.64	1.98/1.82	2.4/3.15	3.55/3.8	3.53/1.61	0.54/1.89	2.06/1.42	0.43/0.91	0.86/0.06	0.01/0.89	-0.28/-0.43	0.22/0.62	0.63/1.49	1.99/1.88	1.75/2.34	2.52/67	1.99/0.07	-0.41/0.06	0.05/1.15	1.63/0.12	
Θ(67.5°)	1.71/1.32	-0.13/-1.33	-0.21/2.3	2.06/2.37	1.76/1.26	1.74/2.57	3.36/3.84	3.08/1.65	0.72/2.19	2.52/1.51	0.89/1.27	1.42/0.91	-0.01/-1.25	0.8/0.82	0.88/0.85	1.17/2.29	1.92/1.36	0.98/1.1	1.76/2.44	2.54/2.66	2.74/0.68	-0.09/0.23	-0.23/1.08	1.55/0.83
Θ(75°)	1.76/1.09	-0.28/-2.26	-1.04/0.15	1.62/1.8	0.65/0.6	1.47/1.81	1.85/2.76	2.91/1.74	0.86/2.27	2.24/1.32	0.75/0.54	1.34/-1.29	-0.32/-1.42	1.93/-1.29	0.30/5.2	1.26/2.55	2.11/1.03	0.76/1.18	1.89/2.68	1.75/1.74	2.59/1.33	0.54/0.22	-0.26/0.62	0.55/0.81
Θ(82.5°)																								



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(75°)	2.6/2.63	1.39/1.4	2.64/3.19	2.62/1.84	0.81/0.33	0.43/0.73	1.96/2.52	1.91/2.16	3.02/3.14	2.93/2.99	2.94/3.07	3.88/3.34	3.02/2.64	1.96/0.46	0.75/1.82	1.79/0.39	0.31/0.27	0.64/1.67	0.71/0.25	0.91/2.14	1.75/1.5	2.51/1.93	3.05/3.73	3.42/2.56
Θ(82.5°)	1.84/1.59	0.35/0.05	1.1/2.24	1.37/0.84	0.58/-0.15	-0.24/0.33	1.66/1.71	1.49/1.74	2.55/2.14	2.09/2.12	2.04/2.86	3.24/2.44	2.4/1.73	1.12/0.95	0.81/0.96	1.71/0.49	0.93/0.72	1.42.64	1.52/1.09	1.56/2.04	1.31/1.41	1.78/0.53	1.3/2.64	2.35/1.49
Θ(90°)	0.03/-0.57	-1.37/-1.94	-0.93/0.81	-0.17/-1.32	-1.24/-1.84	-1.69/-0.52	0.19/-0.47	0.17/0.09	0.9/0.05	-0.14/0.43	0.17/1.58	2.04/1.24	1.45/0.46	0.45/0.31	0.27/-0.55	0.38/-0.26	0.29/0.5	1.49/1.83	1.35/0.53	0.14/1.4	0.55/-0.47	0.02/-1.22	-0.98/1.3	0.94/-0.19
Θ(97.5°)	-1.85/-3.22	-2.92/-3.61	-2.98/-0.88	-1.73/-3.21	-3.42/-4.26	-3.3/-1.76	-1.8/-2.9	-1.74/-2.18	-1.59/-2.04	-1.93/-1.17	-1.66/-0.71	-0.37/-0.26	-1/-1.42	-0.25/-1.02	-1.5/-1.49	-1.54/-1.65	-1.23/-1.19	-0.69/-0.01	-0.13/-1.26	-2.5/-0.91	-1.97/-3.62	-2.59/-2.55	-3.31/-0.15	-1.23/-1.53
Θ(105°)	-4.71/-5.38	-4.06/-5.13	-4.67/-3.21	-2.8/-4.06	-5.65/-6.03	-5.64/-4.15	-4.55/-4.25	-3.74/-4.74	-4.64/-3.46	-3.52/-2.48	-2.8/-2.49	-2.52/-2.97	-2.51/-3.3	-1.89/-2.61	-3.34/-3.73	-4.47/-4.07	-2.87/-3.13	-3.45/-4.63	-3.95/-4.04	-6.65/-5.17	-5.23/-6.26	-5.35/-5.17	-5.66/-2.96	-3.69/-3.62
Θ(112.5°)	-5.86/-5.88	-5.6/-7	-6.35/-6.5	-5.34/-5.54	-7.72/-7.01	-7.26/-6.84	-6.26/-5.56	-5.97/-6.36	-5.79/-5.19	-5.15/-4.33	-3.79/-4.46	-4.48/-4.87	-6.35/-4.2	-3.81/-4.87	-3.84/-5.24	-6.18/-5.42	-4.93/-6.13	-6.29/-6.1	-5.79/-7.01	-9.58/-6.08	-6.92/-7.68	-6.37/-6.89	-6.9/-5.45	-5.35/-5.12
Θ(120°)	-5.63/-7	-6.89/-7.05	-8.32/-8.14	-7.42/-7.58	-9.17/-8.85	-8.84/-8.55	-7.71/-7.15	-7.85/-8.31	-7.08/-7.55	-6.26/-5.32	-4.71/-4.35	-5.07/-5.51	-6.84/-5.12	-4.39/-5.68	-6.2/-6.09	-7.97/-7.12	-6.59/-6.07	-7.05/-5.92	-6.41/-7.2	-7.58/-6.52	-6.34/-8.49	-7.77/-7.31	-8.25/-6.89	-5.43/-6.34
Θ(127.5°)	-8.57/-9.44	-8.46/-6.9	-8.84/-6.93	-7.82/-8.51	-9.42/-11.4	-11.51/-8.87	-7.9/-8.72	-8.11/-8.52	-9.23/-8.63	-6.89/-6.09	-4.87/-5.92	-6.04/-5.91	-6.35/-7.17	-5.49/-6	-7.39/-8.22	-10.96/-8.87	-8.37/-6.98	-8.27/-6.28	-6.82/-7.29	-8.47/-9.98	-9.52/-10.4	-8.83/-7.68	-10.12/-7.67	-6.46/-7.27
Θ(135°)	-8.8/-9.08	-9.81/-10.24	-9.3/-7.12	-7.87/-8.83	-8.48/-9.56	-10.13/-11.22	-10.93/-9.76	-9.79/-11.11	-11.48/-10.09	-7.79/-5.81	-5.97/-5.85	-5.75/-8.39	-7.18/-6.55	-7.46/-11.55	-10.2/-8.38	-9.59/-10.02	-10.54/-9.42	-11.87/-11.34	-10.91/-10.01	-11.46/-12.43	-9.78/-9.15	-9.52/-11.8	-11.25/-9.61	-7.95/-6.96
Θ(142.5°)	-8.38/-8.7	-11.03/-11.93	-10.2/-9.79	-8.45/-8.97	-12/-12.33	-11.85/-11.5	-10.64/-10.6	-9.68/-10.73	-11.34/-11.62	-9.52/-8.4	-8.14/-8.21	-6.73/-4.99	-6.6/-7.99	-8.66/-9.81	-9.14/-10.42	-9.67/-11.6	-10.82/-10.65	-11.38/-11.6	-10.79/-9.21	-9.69/-11.23	-11.18/-8.75	-8.34/-12.06	-10.94/-9.64	-10.22/-8.32
Θ(150°)	-9.65/-9.97	-9.18/-9.11	-9.85/-10.62	-10.06/-9.39	-9.44/-11.05	-11.52/-9.93	-10.73/-11.43	-11.46/-11.61	-10.84/-11.52	-12.2/-11.08	-9.56/-8.23	-8.96/-8.8	-8.17/-6.63	-7.52/-9.94	-11.59/-11.65	-12.22/-12.2	-10.31/-11.4	-11.75/-10.38	-9.02/-10.09	-12.51/-11.89	-11.7/-12.28	-12.64/-12.1	-12.62/-11.55	-8.98/-8.37
Θ(157.5°)	-8.9/-10.7	-11.55/-11.98	-10.24/-9.18	-8.77/-9.68	-10.88/-12.09	-12.3/-11.83	-12.3/-12.37	-12.3/-12.21	-12.4/-11.28	-10.74/-10.57	-11.5/-11.06	-9.59/-9.04	-7.67/-6.85	-8.91/-11.02	-10.68/-10.32	-10.31/-11.31	-11.09/-12.51	-12.15/-11.91	-12.14/-12.29	-12.74/-12.12	-11.95/-11.57	-11.26/-10.26	-9.31/-9.34	-8.17/-7.11
Θ(165°)	-9.02/-9.49	-10.57/-10.73	-10.22/-9.95	-11.09/-11.09	-12.26/-11.75	-10.81/-11.37	-12.44/-12.83	-12.21/-12.12	-11.42/-11.48	-11.32/-10.97	-9.98/-8.8	-8.77/-8.45	-9.49/-9.42	-8.8/-10.05	-11.3/-12.66	-11.86/-11.32	-11.13/-11.5	-11.78/-11.79	-11.92/-12.45	-12.51/-12.34	-11.92/-12.02	-11.67/-10.35	-10.56/-11.66	-10.09/-9.28
Θ(172.5°)	-10.02/-9.09	-9.12/-10.59	-11.89/-12.34	-12.49/-12.53	-11.84/-11.83	-12.31/-12.06	-12.37/-12.31	-10.82/-10.81	-10.22/-10.39	-10.49/-9.97	-9.6/-9.34	-9.78/-10.76	-10.9/-11.19	-11.17/-12.26	-12.11/-11.63	-11.53/-11.15	-11.46/-11.56	-11.6/-12.81	-12.1/-12.39	-12.33/-12.82	-12.52/-10.57	-10.48/-9.69	-10.21/-10.57	-10.28/-9.46
Θ(180°)	-10.76/-10.48	-10.92/-10.73	-9.78/-10.12	-10.11/-10.09	-10.15/-9.93	-10.27/-10.57	-10.44/-10.03	-10.61/-11.01	-11.61/-11.68	-11.08/-10.96	-10.84/-10.63	-10.46/-10.93	-11.31/-11.28	-10.76/-11.32	-11.48/-12.04	-12.03/-11.35	-10.91/-10.52	-11.06/-11.12	-10.92/-10.87	-11.18/-10.98	-11.53/-11.82	-11.63/-11.42	-11.59/-11.47	-11.31/-11.36
Freq(Hz)	5.785GPol.	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°)	-1.44/-0.9	-0.54/-0.23	-0.26/-0.58	-0.95/-1.42	-1.86/-2.55	-3.37/-4.57	-5.89/-7.28	-8.25/-9.16	-7.41/-6.76	-5.75/-4.57	-3.69/-3.05	-2.51/-2	-2.05/-2.06	-2.02/-2.09	-2.07/-2.17	-2.45/-2.93	-3.47/-4.42	-4.98/-5.3	-6.33/-7.05	-7.28/-6.9	-6.39/-5.81	-4.41/-3.26	-2.55/-1.4	-
Θ(7.5°)	-2.26/-1.99	-1.96/-2.01	-2.31/-2.8	-2.99/-3.1	-3.72/-4.19	-4.71/-4.78	-5.21/-5.63	-6.02/-6.7	-7.28/-7.18	-6.84/-5.92	-4.8/-3.63	-2.36/-1.72	-1.08/-0.59	-0.31/-0.26	-0.08/-0.04	-0.48/-1.14	-1.78/-2.41	-3.41/-4.3	-5.17/-6.92	-7.35/-7.52	-6.72/-5.82	-5.15/-4.59	-3.9/-2.94	-2.82/-2.35
Θ(15°)	-2.73/-2.59	-2.52/-2.48	-2.46/-2.14	-1.78/-1.69	-1.93/-2.51	-3.18/-3.56	-3.47/-3.48	-3.38/-3.56	-4.32/-5.45	-6.33/-6.37	-4.44/-2.94	-2.13/-1.34	-0.83/-0.73	-0.76/-0.6	-0.27/-0.03	0.01/-0.06	-0.29/-1.09	-1.97/-2.64	-3.16/-3.71	-3.57/-3.59	-3.42/-3.29	-3.04/-3.28	-3.32/-3.21	-3.2/-3.04
Θ(22.5°)	-2.81/-2.78	-2.68/-2.8	-1.66/-0.99	-0.87/-0.97	-1.29/-1.69	-1.98/-2.62	-2.87/-2.57	-1.91/-1.96	-2.43/-2.82	-2.89/-2.38	-2.18/-2.18	-1.23/-0.48	0.02/0.54	0.99/1.02	0.89/1.07	1.38/1.54	1.43/1.26	0.96/0.09	-0.55/-0.77	-0.92/-1.28	-1.59/-1.36	-1.41/-1.77	-2.53/-3.05	-3.22/-3.21
Θ(30°)	-1.91/-1.6	-1.69/-1.35	-0.88/-0.79	-0.61/-0.31	-0.13/-0.03	0.13/-0.44	-1.13/-1.22	-0.87/-0.97	-0.86/-1.28	-1.62/-1.76	-1.1/-0.07	0.45/0.27	0.32/0.84	1.94/2.01	1.74/1.59	1.78/1.9	2.19/2.54	2.20.95	0.55/0.79	1.05/1.27	0.84/-0.05	-0.83/-1.78	-2.57/-2.66	-2.16/-2.14
Θ(37.5°)	-1.18/-0.52	0.69/1.11	0.99/0.61	0.99/1.1	0.46/0.37	0.76/0.42	-0.08/0.3	0.6/0.36	0.31/0.26	-0.42/-0.84	-1.13/-0.42	0.05/-0.47	-0.27/0.97	1.49/1.38	2.19/2.28	2.35/2.71	2.41/1.84	1.65/1.84	1.83/1.69	0.95/0.53	0.07/-0.47	-0.61/-0.09	0.11/0.07	-0.3/-1.1
Θ(45°)	-1.79/-0.98	0.41/1.38	1.6/1.4	1.95/1.7	1.3/2.34	3.11/2.03	0.89/0.97	1.37/1.21	1.74/2	1.43/0.39	-0.26/-0.95	-2.07/-2.48	-1.99/0.1	1.12/1.66	2.73/2.91	2.96/2.79	1.99/1.3	1.73/2.07	2.1/1.69	1.17/0.59	0.54/0.18	-0.53/0.46	1.33/0.99	0.73/-0.78
Θ(52.5°)	-1.2/-1.16	-0.85/0.31	1.55/1.89	2.69/1.97	1.87/3.22	3.07/1.64	0.57/0.96	2.17/2.37	2.77/2.91	1.67/0.87	-0.52/-1.02	-1.08/-1.89	-1.97/-0.74	0.48/1.52	3.44/3.94	3.57/3.07	2.94/2.78	2.24/0.84	0.47/1.23	1.04/0.05	0.12/0.89	-0.01/0.77	1.29/1.09	1.18/-0.12
Θ(60°)	-0.16/-1.11	-2.09/-1.29	0.35/1.39	2.4/2.03	2.89/3.52	2.63/1.79	1.89/2.25	3.19/3.31	3.63/3.18	1.56/0.81	0.24/-0.47	-0.15/-1.83	-2.85/-1.13	0.72/1.15	2.97/4.71	3.64/3.62	3.45/2.99	2/0.17	-0.36/0.13	0.88/0.84	0.71/1.32	0.94/1.46	1.58/0.91	1.52/0.52
Θ(67.5°)	0.18/-0.69	-1.78/-2.33	-1.18/0.8	2.39/1.45	2.05/2.5	1.86/1.6	1.97/2.35	3.09/2.98	3.06/2.68	1.43/0.28	0.16/-0.41	0.24/-1.1	-2.24/-0.75	-0.07/0.84	2.36/3.54	2.65/2.34	2.33/1.97	1.09/-0.5	-1.1/-0.38	1.1/1.52	1.08/2.04	1.11/1.31	0.99/0.66	1.78/0.69
Θ(75°)	-1.24/-1.49	-2.27/-4	-2.69/-0.05	1.76/-0.05	0.26/0.87	0.9/0.67	0.75/1.22	1.94/2.37	2.6/1.81	1.12/0.01	0.07/0.06	0.48/-0.03	-1.48/-0.43	-0.34/-0.49	0.08/2.08	1.49/2.01	1.47/1.52	0.11/-1.5	-1.85/-0.04	1.18/1.48	1.07/1.68	0.99/0.66	-0.02/-0.62	1.02/0.51
Θ(82.5°)	-2.71/-1.42	-2.77/-5.53	-3.82/-1.64	0.28/-1.76	-1.16/-0.4	-0.05/-0.63	-0.47/0.33	0.78/1.02	1.59/1.1	0.35/-0.75	-0.4/0.24	-0.16/-0.6	-2.08/-1.7	-2.23/-1.38	-0.51/0.63	0.02/0.04	-0.13/0.56	-0.65/-1.8	-3.39/0.08	0.97/1.25	1.32/1.1	0.48/-0.56	-1.14/-2.07	0.3/-0.41
Θ(90°)	-4.71/-2.33	-3.81/-7.16	-6.03/-4.2	-1.65/-3.31	-2.43/-1.68	-0.46/-1.58	-2.32/-0.77	-0.89/-0.71	-0.05/-0.92	-1.46/-2.46	-1.37/-1.05	-1.04/-0.83	-2.8/-4.52	-3.73/-2	-2.07/-1.35	-1.41/-1.2	-0.73/0.1	-0.78/-2.07	-2.93/-0.25	0.61/1.12	-0.19/-0.14	-1.18/-2.59	-3.33/-4.2	-0.5/-1.96
Θ(97.5°)	-5.29/-3.71	-5.56/-7.49	-7.22/-6.32	-4.24/-5.31	-3.43/-2.64	-2.3/-3.02	-3.57/-2.81	-2.44/-2.15	-1.72/-1.7	-2.6/-3.23	-2.79/-2.23	-2.54/-2.31	-3.9/-5.75	-4.26/-2.92	-3.19/-3.44	-3.84/-4.7	-3.98/-1.81	-2.44/-3.69	-5.16/-1.34	-1.48/-1.25	-3.06/-2.47	-3.59/-6.45	-6.5/-4.88	-2.48/-3.82
Θ(105°)	-5.66/-5.18	-6.34/-9.3	-8.44/-7.45	-6.82/-6.51	-4.26/-4.3	-5.04/-5.15	-5.5/-5.45	-4.22/-3.46	-2.84/-2.73	-3.76/-3.47	-4.47/-4.34	-4.03/-3.65	-4.28/-7.71	-6.29/-3.64	-4.59/-5.4	-5.18/-5.39	-5.68/-6.04	-6.04/-6.57	-6.84/-3.79	-5.2/-4.15	-5.57/-5.37	-5.71/-7.04	-8.94/-7.99	-3.95/-4.65
Θ(112.5°)	-9.07/-6.28	-7.1/-10.81	-7.45/-5.7	-6.08/-5.68	-6.17/-5.28	-6.42/-6.78	-5.69/-6.13	-4.82/-3.39	-4.32/-3.64	-5.14/-4.83	-6.01/-5.15	-6.26/-5.29	-7.85/-8.71	-7.81/-5.34	-6.49/-9.05	-6.08/-5.66	-5.82/-7.63	-6.03/-7.92	-5.2/-5.83	-5.27/-5.24	-4.59/-3.54	-4.75/-6.8	-7.38/-8.17	-5.47/-5.59
Θ(120°)	-10.04/-8.77	-9.8/-9.85	-9.25/-8.62	-7.3/-7.7	-5.71/-6.13	-6.98/-7.66	-6.51/-4.8	-5.1/-3.66	-4.08/-5.55	-7.44/-6.87	-7.54/-7.03	-7.06/-5.97	-8.39/-11.63	-9.06/-6.07	-6.7/-8.87	-10.17/-7.13	-7.23/-5.56	-5.36/-7.45	-5.98/-3.88	-7.25/-7.08	-5.37/-4.45	-6.03/-6.93	-8.74/-11.31	-7.75/-6.11
Θ(127.5°)	-8.9/-11.79	-11.35/-10.5	-10.01/-9.56	-11.78/-10.34	-8.79/-8.44	-8.84/-6.83	-8.29/-7.17	-6.46/-6.14	-6.5/-7.63	-7.89/-7.72	-9.18/-7.63	-7.85/-9.14	-10.69/-9.58	-7.67/-8.24	-9.66/-10.38	-11.35/-7.39	-10.92/-5.14	-6.26/-10.56	-7.34/-5.04					



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(22.5°)	-2.48/-2.61	-2.68/-2.99	-3.47/-4	-4.04/-3.66	-3.11/-2.95	-3.54/-4.53	-5.75/-6.99	-8.01/-8.91	-9.64/-9.43	-8.44/-7.22	-6.36/-5.82	-5.39/-5.16	-5.15/-5.14	-4.54/-3.82	-3.74/-4.83	-6.77/-8.55	-9.99/-10.88	-11.16/-10.87	-10.62/-9.63	-8.16/-7.22	-6.73/-6.28	-5.36/-4.23	-3.16/-2.52	-2.4/-2.36
Θ(30°)	-3.38/-3.01	-2.53/-2.33	-1.89/-1.21	-0.55/-0.49	-0.63/-0.69	-0.72/-1.42	-2.71/-4.1	-4.93/-5.75	-6.01/-5.6	-4.9/-4.06	-3.24/-2.46	-2.15/-1.96	-1.73/-1.52	-1.24/-1.63	-2.99/-5.02	-6.54/-6.46	-6.48/-6.07	-5.2/-4.1	-3.45/-3.26	-3.57/-4	-4.11/-4.37	-4.35/-3.56	-2.67/-2.43	-2.86/-3.29
Θ(35°)	-2.13/-1.92	-1.66/-1.04	-0.050/-0.72	0.80/-31	-0.23/-0.74	-0.25/-2.02	-3.62/-5.65	-5.94/-5.21	-5.48/-5.12	-3.15/-5.7	-0.49/-0.62	0.310/-0.04	-0.16/-0.28	-0.34/-0.33	-2.27/-2.19	-1.74/-1.63	-2.27/-2.19	-1.59/-1.8	-2.13/-2.45	-2.37/-2.32	-2.12/-1.49	-0.97/-1.14	-1.61/-2.04	
Θ(45°)	-0.15/-0.22	0.040/5	0.711/-0.1	1.551/-6	0.61/-1.23	-2/-1.91	-2.43/-3.78	-5.65/-5.86	-4.7/-4.51	-3.24/-1.39	-0.96/-1.04	-0.280/-0.2	-0.02/-0.49	-0.830/-3	1.551/-89	1.220/-36	-0.17/-0.44	-1.06/-0.98	-0.77/-1.76	-3.13/-3.5	-2.51/-1.26	-0.580/-0.3	0.60/-34	0.09/-0.37
Θ(52.5°)	0.980/63	0.691/-0.4	0.990/-88	1.411/-82	1.550/-93	0.17/-0.3	-0.68/-1.21	-2.46/-3.48	-3.08/-2.34	-1.88/-1.72	-2.78/-3.92	-3.35/-2.86	-1.87/-1.7	-1.34/-0.85	0.030/-16	0.430/-68	1.160/-92	0.290/-0.2	-0.21/-1.7	-2.38/-1.97	-0.95/-0.17	0.04/-0.05	0.860/-55	0.360/-6
Θ(60°)	1.441/-04	0.503/5	0.05/-0.35	0.331/-26	1.911/-87	1.641/-71	0.1/-1.16	-0.170/-64	0.930/-11	-1.98/-3.75	-4.37/-3.64	-3.15/-2.42	-2.2/-3.2	-4.34/-2.92	-1.76/-1.49	-0.8/-0.78	-0.95/-1.03	-1.21/-1.37	-1.89/-1.27	0.591/-44	1.280/-28	-0.07/-0.58	-0.210/-6	
Θ(67.5°)	1.560/-68	-0.71/-0.91	-1.01/-1.76	-1.090/-29	1.461/-92	2.322/-82	3.172/-88	1.510/-37	1.581/-82	1.750/-78	-0.66/-1.6	-1.76/-1	-1.98/-1.67	-1.45/-2.15	2.96/-2.38	-1.78/-1.16	-0.55/-0.95	-0.620/-3	0.450/5	0.070/-0.4	1.191/-9	1.40/-49	-1.27/-1.89	-0.760/-77
Θ(75°)	1.230/-01	-2.12/-2.44	-2.8/-3.36	-2.52/-0.78	0.21/-1	2.012/-87	3.32/-96	1.660/-54	1.511/-73	1.480/-49	-0.36/-1.27	-1.54/-0.95	-2/-1.91	-1.39/-1.75	-1.86/-2.28	-1.770/-05	0.720/-38	0.431/-48	2.141/-57	0.960/-08	0.131/-17	0.41/-0.6	-2.34/-2.22	-1.210/-44
Θ(82.5°)	-0.06/-1.19	-3.72/-4.62	-4.71/-4.73	-3.86/-2.16	-1.34/-0.36	0.891/-99	2.231/-82	0.79/-0.1	0.670/-65	0.08/-1.31	-1.81/-2.63	-2.46/-1.31	-2.68/-2.36	-2.62/-2.49	-2.07/-3.83	-2.840/-03	1.061/-21	0.921/-62	2.471/-91	1.28/-0.15	-1.55/-0.85	-1.05/-1.56	-4.03/-3.7	-2.4/-0.76
Θ(90°)	-1.56/-2.33	-4.83/-5.84	-5.98/-6.64	-6.14/-4.42	-3.71/-3.01	-1.410/-03	0.06/-0.35	-0.77/-1.31	-1.08/-1.08	-1.64/-3.6	-3.81/-4.9	-4.83/-3.7	-3.82/-3.29	-4.85/-4.44	-3.68/-5.97	-5.35/-1.36	0.520/-77	0.40/-18	1.61/-24	0.54/-1.3	-4.01/-3.32	-3.02/-3.7	-6.71/-5.65	-3.51/-2.02
Θ(97.5°)	-3.89/-4.17	-6.33/-7.76	-8.91/-9.33	-8.4/-6.33	-5.71/-4.95	-3.29/-2.56	-2.53/-4.03	-3.33/-2.77	-3.95/-6.19	-6.36/-8.15	-6.89/-6.82	-5.4/-6.66	-7.95/-6.44	-8.71/-4.01	-1.75/-1.28	-1.56/-2.29	-0.81/-0.9	-1.42/-3.74	-0.70/-6.5	-4.8/-6.01	-9.11/-9.29	-6.19/-4.18		
Θ(105°)	-6.56/-6.65	-7.76/-10.3	-10.7/-10.27	-10.02/-8.84	-7.14/-7.51	-5.85/-4.23	-4.44/-9.4	-5.55/-5.44	-5.48/-5.15	-6.73/-8.22	-8.29/-9.07	-7.75/-7.46	-10.86/-11.7	-5.61/-5.9	-4.97/-4.47	-5.13/-8.78	-10.59/-9.55	-5.62/-5.9	-4.97/-4.47	-5.13/-8.78	-10.59/-9.55	-5.62/-5.9	-4.97/-4.47	-5.13/-8.78
Θ(112.5°)	-8.86/-9.53	-11.38/-12.79	-13.47/-13.81	-12.86/-11.36	-9.77/-9.86	-8.74/-6.84	-6.31/-7.13	-8.17/-7.84	-7.63/-7.36	-10.28/-9.97	-10.49/-9.89	-9.05/-12.65	-9.78/-9.77	-12.48/-12.02	-10.31/-12.13	-15.28/-13.37	-12.13/-11.05	-12.74/-11.56	-11.31/-10.15	-10.61/-12.39	-12.95/-13.68	-8.84/-11.7	-12.46/-11.15	-10.39/-8.25
Θ(120°)	-10.92/-11.48	-12.61/-13.76	-14.5/-14.96	-13.68/-12.73	-12.91/-12	-11.85/-10.78	-9.4/-9.02	-11.85/-10.78	-11.67/-10.06	-10.39/-10.9	-12.34/-11.7	-11.55/-14.55	-12.61/-14.06	-12.08/-13.16	-13.36/-16.84	-13.77/-12.53	-10.57/-10.5	-13.98/-13.71	-13.12/-11.91	-9.33/-11.62	-14.09/-18.66	-11.54/-13.17	-14.13/-13.85	-11.78/-10.57
Θ(127.5°)	-12.44/-11.45	-12.22/-15.4	-17.88/-17.17	-14.86/-13.15	-12.68/-13	-13.62/-13.35	-11.920/-10.66	-11.45/-12.8	-13.09/-12.82	-12.52/-13.73	-13.87/-12.28	-14.96/-13.86	-18.34/-15.62	-16.29/-12.66	-12.26/-18.38	-19.34/-11.75	-12.03/-10.06	-12.27/-13.99	-10.44/-10.93	-8.79/-10.01	-15/-18.22	-16.81/-14.55	-18.72/-14.21	-14.84/-11.52
Θ(135°)	-12.61/-12.63	-13.73/-16.2	-18.81/-18.9	-18.63/-16.45	-15.41/-16.15	-15.67/-15.93	-16.18/-14.13	-12.53/-11.8	-13.77/-18.94	-16.3/-15.45	-15.51/-13.66	-16.43/-15.51	-18.06/-17.9	-19.13/-18.77	-15.19/-18.38	-18.06/-18.42	-14.07/-15.25	-17.32/-18.79	-12.5/-10.93	-16/-17.01	-17.93/-17.37	-12.44/-13.69	-18.97/-17.9	-18.63/-12.99
Θ(142.5°)	-16.4/-16.67	-17.94/-16.84	-18.73/-14.32	-14.99/-10.24	-18.03/-18.1	-17.63/-16.67	-17.69/-18.51	-15.83/-16.54	-17.14/-17.3	-19.17/-18.72	-18.37/-19.05	-16.53/-17.62	-19.08/-18.09	-18.55/-18.4	-18.73/-17.98	-15.05/-16.53	-17.13/-19.7	-17.81/-18.39	-15.22/-13.99	-15.24/-16.59	-18.47/-19.1	-19.26/-16.61	-16.42/-17	-19.51/-19.03
Θ(150°)	-19.16/-16.64	-14.34/-14.95	-19.09/-18.58	-17.09/-17.3	-18.64/-15.26	-14.91/-16.51	-19.24/-18.69	-18.64/-18.11	-15.31/-15.97	-16.06/-18.65	-16.54/-19.02	-19.13/-18.79	-16.63/-19.27	-19.14/-18.87	-18.71/-18.2	-18.61/-16.68	-18.56/-17.94	-18.82/-15	-12.29/-12.31	-14.68/-18.75	-19.05/-18.84	-19.02/-19.28	-17.11/-15.17	-16.65/-16.68
Θ(157.5°)	-18.56/-18.78	-18.13/-18.62	-18.69/-19.06	-17.73/-18.55	-18.91/-18.63	-18.48/-18.1	-19.26/-18.34	-19.02/-18.28	-17.61/-18.78	-18.56/-18.53	-19.03/-18.32	-15.38/-13.04	-13.49/-19.62	-18.25/-18.24	-17.95/-18.37	-18.9/-17.43	-17.62/-18.71	-17.83/-18.7	-18.76/-18.62	-17.52/-17.96	-18.88/-18.66	-19.22/-18.59	-17.69/-18.68	-18.06/-18.52
Θ(165°)	-17.86/-19.19	-18.97/-19	-19.27/-18.42	-17.66/-17.97	-17.05/-15.19	-14.53/-14.84	-16.11/-17.81	-18.92/-18.37	-18.46/-18.25	-18.3/-16.59	-16.77/-18.37	-18.35/-18.13	-17.96/-18.66	-18.93/-17.63	-18.07/-18.65	-19.14/-19.06	-18.95/-19.06	-19/-18.92	-18.88/-19	-18.94/-18.3	-17.78/-19.29	-18.25/-17.33	-17.54/-18.41	-18.07/-18.27
Θ(172.5°)	-18.27/-18.05	-18.36/-18.85	-17.94/-16.94	-15.13/-14	-13.93/-15.42	-17.82/-18	-18.76/-17.41	-19.12/-18.92	-19.03/-19.37	-18.46/-18.3	-18.62/-18.48	-17.99/-18.16	-17.69/-18.66	-18.46/-17.63	-18.4/-17.56	-18.61/-19.06	-18.55/-18.75	-18.88/-18.36	-18.49/-19.17	-17.4/-17.18	-18.39/-19.1	-18.17/-18.35	-18.47/-17.59	-19.34/-17.93
Θ(180°)	-17.84/-18.12	-18.1/-18.72	-18.54/-17.46	-17.59/-18.58	-19.01/-19.35	-18.61/-19.81	-18.96/-18.42	-18.31/-18.97	-17.92/-18.89	-17.71/-18.02	-18.01/-18.53	-18.9/-18.29	-17.76/-18.65	-18.72/-17.37	-19.27/-19.05	-18.48/-19.02	-18.32/-17.84	-17.05/-16.79	-16.81/-17.11	-18.08/-17.24	-18.64/-19.06	-18.07/-18.23	-18.07/-18.61	-17.83/-17.92
Freq(Hz)	5.3GPol	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°)	-11.9/-11.47	-10.75/-10.72	-11.19/-12.38	-14.04/-15.31	-14.66/-14.21	-14.43/-15.01	-15.84/-15.74	-15.32/-14.61	-13.35/-12.16	-10.97/-10.21	-10.04/-10.19	-10.47/-10.58	-10.01/-9.5	-10.31/-11.42	-13.08/-14.76	-16.37/-17.88	-19.26/-18.77	-18.38/-18.18	-18.4/-18.69	-15.12/-13.42	-12.74/-12.45	-12.41/-12.81	-12.83/-12.35	-12.45/-12.26
Θ(7.5°)	-16.25/-19.79	-14.07/-11.33	-16.03/-18.21	-18.46/-14.84	-17.94/-17.17	-17.97/-14.17	-12.04/-11.64	-12.45/-13.14	-13.87/-13.78	-14.05/-13.92	-13.83/-14.06	-14.19/-13.18	-11/-9.73	-9.1/-9.15	-10.15/-11.41	-11.72/-11.89	-12.19/-14.23	-16.8/-18.5	-18.54/-17.15	-15.3/-14.46	-13.98/-13.16	-12.04/-11.47	-10.95/-11.16	-12.29/-14.06
Θ(15°)	-17.13/-18.95	-13.76/-14.22	-12.2/-14.94	-17.51/-16.84	-15.71/-16.23	-19.42/-17.71	-13.7/-12.28	-13.03/-14.17	-15.87/-16.97	-14.91/-18.27	-19.21/-17.37	-14.59/-13.07	-11.27/-11.15	-11.82/-11.52	-11.61/-12.59	-17.97/-9.95	-11.68/-16.82	-18.62/-14.78	-11.47/-10.63	-12.62/-12.56	-12.69/-12.62	-11.46/-11.67	-12.73/-17.02	
Θ(22.5°)	-18.81/-18.39	-12.73/-11.18	-10.42/-9.09	-8.23/-7.24	-7/-6.62	-13.34/-17.86	-16.3/-12.97	-12.81/-13.18	-13.67/-14.26	-14.19/-14.74	-18.27/-18.08	-16.13/-16.31	-17.54/-18.88	-15.19/-18.68	-17.42/-11.16	-9.03/-8.52	-8.53/-9.31	-11.17/-15.7	-18.05/-17.66	-11.37/-9.46	-9.93/-10.52	-10.05/-9.96	-10.69/-11.89	-13.38/-15.86
Θ(30°)	-17.17/-18.24	-18.59/-18.94	-14.39/-9.98	-8.74/-8.44	-7.69/-4.73	-8.76/-14.8	-1.755/-10.65	-9.54/-10.81	-14.74/-18.88	-18.38/-16.31	-13.02/-14.74	-17.78/-17.83	-17.97/-18.93	-15.62/-17.65	-18.97/-16.5	-13.83/-12.09	-11.78/-12.91	-14.63/-15.85	-16.39/-13.4	-11.44/-9.79	-10.72/-12.96	-10.91/-9.17	-9.37/-11.77	-15.23/-15.55
Θ(37.5°)	-12.19/-11.47	-10.22/-11.63	-14.49/-18.01	-15.61/-11.49	-9.23/-8.84	-10.61/-17.94	-18.24/-9.83	-8.65/-10.75	-15.68/-17.36	-18.31/-15.7	-14.56/-18.6	-18.18/-14.79	-18/-18.38	-18.51/-13.83	-12.25/-13.49	-12.58/-11.28	-11.84/-14.43	-13.98/-13.48	-14.77/-13.42	-11.05/-10.21	-11.1/-16.51	-17.15/-14.36	-13.92/-14.4	-15.6/-14.79
Θ(45°)	-14.06/-10.38	-9.65/-8.22	-8.82/-10.95	-15.37/-16.77	-12.17/-9.93	-10.94/-15.97	-18.22/-13.54	-10.2/-12.04	-18.85/-18.17	-19.25/-14.18	-14.55/-15.84	-18.45/-17.67	-18.56/-18.8	-19.07/-14.01	-13.15/-16	-12.61/-15.05	-15.36/-17.63	-17.21/-12.08	-8.71/-8.03	-10.89/-18.05	-18.02/-17.98	-17.67/-17.35	-18.64/-19.39	
Θ(52.5°)	-12.81/-13.12	-10.63/-9.69	-10.97/-11.53	-14.56/-10.74	-13.79/-10.91	-11.16/-15.28	-18.06/-15.1	-12.39/-14.26	-17.98/-18.44	-18.56/-16.73	-16.05/-16.68	-18.82/-18.64	-18.04/-17.56	-18.2/-15.08	-13.26/-15.74	-18.55/-14.82	-15.42/-16.27	-17.65/-18.47	-18.68/-12.48	-9.29/-9.38	-11.23/-18.29	-18.76/-15.52	-17.41/-16.76	-18.28/-18.85
Θ(60°)	-15.17/-15.26	-12.37/-12.76	-13.45/-17.12	-18.87/-19.28	-18.18/-15.27	-13.04/-14.68	-17.71/-16.02	-14.09/-16.71	-19.8/-18.04	-19.21/-17.47	-18.45/-18.53	-18.66/-15.97	-15.66/-17.83	-17.27/-18.89	-17.98/-16.55	-19.16/-17.68	-18.06/-17.95	-18.39/-18.6	-19.29/-13.12	-10.01/-9.43	-11.39/-18.16	-18.31/-13.15	-14.99/-16.16	-17.31/-14.83
Θ(67.5°)	-19.15/-18	-19.03/-17.89	-17.68/-18.74	-18.05/-18.95	-19.01/-19.16	-15.89/-15.53	-15.6/-13.09	-14.47/-14.54	-18.96/-19.16	-19.29/-18.2</														



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(75°)	-1.65/-0.37	-1.02/-1.48	1.29/2.33	1.33/0.3	0.41/-0.02	-0.81/-0.5	-0.01/0.2	-1.11/-0.59	-0.05/0.77	1.31/1.18	-0.13/-0.83	-1.4/-3.33	-1.23/0.24	1.94/-0.43	-3.72/-2.13	-1.42/-1.28	-0.24/-1.76	-0.87/1.51	-0.43/-1.06	-0.79/-0.18	0.98/0.63	0.59/-1.29	0.84/2.3	0.74/-1.09
Θ(82.5°)	-2.21/-1.54	-2.27/-2.59	0.04/1.16	0.12/-0.45	0.1/-1.51	-1.89/-0.7	-0.01/-0.26	-2.16/-1.89	-0.62/0.24	1/1.01	-0.94/-1.14	-1.37/-2.2	-0.26/0.52	1.57/-1.12	-3.64/-3.34	-1.76/-0.44	1.14/0.81	0.28/2.41	1.42/0.12	-0.14/-0.32	0.09/-0.09	-0.31/-1.98	-0.59/1.54	-0.25/-2.17
Θ(90°)	-3.85/-3.98	-4.49/-4.87	-2.01/0.61	-1.21/-2.14	-1.83/-4.49	-3.15/-1.06	-1.34/-1.99	-2.77/-3.36	-2.08/-1.48	-0.61/-0.14	-1.88/-2.68	-2.79/-2.3	-1.01/-1.04	0.72/-1.96	-4.05/-4.44	-2.54/-1.36	0.47/0.8	1.61/-1.88	1.65/-0.97	-1.42/-1.04	-1.44/-2.61	-2.08/-2.19	-2.78/0.35	-1.41/-1.14
Θ(97.5°)	-4.55/-6.25	-6.54/-6.74	-3.67/-2.41	-2.78/-4.17	-4.25/-6.57	-4.44/-2.41	-3.52/-5.15	-4.72/-5.98	-3.73/-5.64	-2.77/-2.04	-3.69/-4.37	-5.21/-3.55	-3.14/-2.81	-1.19/-4.88	-5.98/-6.01	-5.32/-3.3	-0.72/-0.97	-1.85/0.11	0.04/-3.2	-4.42/-3.16	-4.08/6.63	-3.43/-3.74	-5.59/-1.61	-3.31/-5.16
Θ(105°)	-7.13/-8.81	-8.12/-6.9	-5.7/-5.01	-4.75/-6.72	-7.42/-7.06	-6.75/-5.02	-5.76/-7.18	-7.31/-9.09	-6.63/-6.53	-5.02/-3.34	-5.73/-7.01	-9.23/-6.88	-6.27/-5.01	-4.25/-8.66	-9.21/-8.7	-12.02/-7.1	-3.64/-3.69	-6.17/-5.33	-4.8/-6.46	-8.76/-8.08	-7.57/-8.77	-5.33/-7.1	-7.47/-3.67	-4.41/-6.23
Θ(112.5°)	-9.31/-9.95	-11.33/-9.2	-9.02/-8.73	-7.83/-7.78	-9.82/-8.22	-9.65/-9.37	-9.38/-1.01	-10.44/-9.8	-8.66/-7.86	-7.31/-7.82	-7.15/-8.09	-9.66/-9.34	-8.99/-5.87	-6.74/-11.99	-8.37/-10.51	-10.11/-7.52	-10.2/-12.26	-14.36/-9.67	-10.71/-10.66	-10.2/-12.26	-17.21/-9.94	-10.13/-7.98	-7.66/-10.55	
Θ(120°)	-11.87/-12.16	-15/-14.17	-11.85/-10.48	-9.7/-9.07	-10.25/-12.87	-13.28/-11.77	-9.74/-9.46	-11.9/-13.71	-11.51/-10.96	-9.15/-9.79	-9.62/-9.48	-10.09/-11.08	-12.33/-7.55	-8.35/-12.23	-11.58/-12.77	-11.81/-10.54	-10.12/-9.62	-10.89/-8.17	-9.81/-12.2	-11.73/-9.69	-10.69/-13.01	-10.68/-9.49	-11.45/-10.5	-9.31/-13.23
Θ(127.5°)	-18.65/-15.93	-14.45/-17.57	-14.02/-11.41	-9.84/-10.92	-11.62/-15.79	-16.93/-12.77	-13.37/-16.72	-14.85/-13.04	-15.38/-13.64	-11.78/-10.57	-10.85/-11.11	-10.44/-14.28	-12.98/-11.64	-9.34/-19.08	-13.27/-15.21	-17.65/-10.56	-9.38/-9.12	-12.11/-10.86	-9.11/-11.76	-11.06/-13.35	-14.65/-15.38	-13.01/-12.26	-12.65/-10.77	-12.11/-15.83
Θ(135°)	-17.53/-16.99	-15.56/-13.16	-14.79/-15	-16.03/-13.53	-13.42/-13.86	-13.21/-15.37	-15.89/-12.84	-13.38/-15.74	-18.89/-16.64	-13.31/-11.89	-13.78/-12.63	-12.31/-14.92	-12.43/-19.22	-16.93/-17.83	-18.33/-14.95	-16.24/-15.96	-19.23/-18.2	-16.92/-15.6	-15.28/-17.85	-16.09/-11.52	-11.41/-16.51	-15.53/-11.9	-12.36/-13.39	
Θ(142.5°)	-17.96/-18.23	-18.19/-18.55	-18.46/-15.11	-10.73/-12.52	-16.85/-18.8	-18.33/-18.66	-17/-17.93	-17.52/-18.33	-18.21/-18.42	-16.09/-17.47	-16.02/-13.74	-13.8/-10.51	-12.01/-17.79	-18.43/-16.47	-15.14/-17.98	-14.02/-17.06	-14.66/-17.99	-18.18/-18.7	-14.67/-14.39	-11.5/-14.17	-17.95/-17.02	-12.87/-16.81	-18.55/-17.08	-18.25/-19.43
Θ(150°)	-18.62/-19.11	-18.64/-19.04	-17.05/-17.19	-18.37/-19.14	-16.58/-15.16	-14.52/-16.59	-18.49/-17.24	-17.73/-18.16	-17.82/-19.25	-19.59/-15.37	-14.64/-12.78	-12.25/-11.88	-17.81/-8.92	-19.03/-18.66	-18.86/-18.47	-14.72/-16.22	-19.04/-14.29	-11.45/-14.84	-17.66/-18.6	-18.14/-18.53	-18.47/-18.71	-15.84/-18.21	-17.64/-19.18	
Θ(157.5°)	-18.07/-18.74	-17.88/-18.85	-17.14/-16.2	-13.11/-13.67	-16.13/-17.96	-16.13/-17.96	-18.08/-17.58	-18.25/-17.24	-17.94/-17.82	-17.76/-18.65	-18.95/-18.28	-18.36/-18.36	-16.41/-15.89	-14.82/-15.94	-18.2/-18	-17.33/-17.88	-16.63/-18.62	-19.08/-17.88	-18.82/-17.95	-17.11/-16.97	-16.66/-16.51	-17.11/-18.29	-17.92/-19.04	-18.41/-17.66
Θ(165°)	-18.49/-18.51	-19.06/-19.14	-19.08/-18.11	-18.79/-17.45	-18.42/-18.76	-18.65/-18.81	-18.51/-18.09	-17.63/-18.27	-18.09/-18.21	-18.57/-19.01	-18.54/-18.16	-17.69/-18.01	-18.7/-19.14	-18.24/-18.71	-18.23/-18.68	-18.06/-18.48	-18.44/-18.54	-18.48/-17.19	-18.37/-17.93	-19.18/-17.94	-17.82/-19.1	-18.03/-17.81	-18.56/-19.27	-17.58/-18.94
Θ(172.5°)	-18.61/-17.35	-18.29/-19.32	-18.43/-14.92	-18.44/-19.34	-18.13/-17.52	-18.38/-17.29	-18.38/-17.29	-17.46/-17.53	-17.51/-18.76	-18.25/-17.45	-17.84/-18.77	-17.14/-16.62	-15.97/-15.85	-15.93/-16.63	-17.89/-18.11	-18.91/-18.95	-18.09/-17.23	-17.66/-19.3	-17.87/-18.18	-17.85/-18.6	-18.64/-17.37	-19.52/-17.9	-18.1/-18.35	-18.99/-17.58
Θ(180°)	-18.04/-17.33	-18.66/-16.97	-17.46/-18.52	-17.11/-15.76	-15.93/-15.85	-16.61/-16.89	-15.42/-14.21	-14.59/-15.58	-17.36/-18.95	-18.95/-18.33	-18.25/-18.67	-18.9/-19.39	-18.9/-19.36	-19.03/-18.28	-18.23/-17.84	-18.18/-18.16	-18.82/-17.9	-18.69/-18.02	-18.43/-18.38	-17.98/-18.26	-19.11/-19.16	-18.44/-17.55	-17.87/-18.96	-18.2/-19.72
Freq(Hz)	5.785GPol.	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°)	-16.02/-15.44	-14.23/-13.82	-14.53/-15.86	-17.35/-15.82	-18.41/-18.82	-18.29/-17.81	-17.98/-18.61	-17.33/-15.35	-13.62/-13.12	-12.24/-12.01	-12.34/-12.88	-12.91/-13.5	-15.06/-16.17	-18.83/-18.98	-18.8/-18.37	-19.06/-16.38	-17.76/-18.19	-17.41/-18.83	-18.63/-17.16	-17.76/-16.84	-15.78/-15.28	-14.63/-14.61	-11.41/-16.04	
Θ(7.5°)	-18.9/-18.29	-18.75/-17.99	-17.67/-18.5	-18.46/-17.8	-18.68/-18.36	-18.99/-18.34	-17.44/-18.37	-19.42/-18.16	-17.95/-17.51	-17.2/-17.1	-17.31/-17.06	-15.31/-14.58	-13.05/-13.39	-13.98/-14.16	-13.4/-13.15	-14.37/-16.54	-17.51/-18.59	-18.47/-18.11	-17.63/-17.77	-17.11/-16.82	-16.27/-14.7	-14.29/-13.99	-13.76/-13.69	-15.35/-17.93
Θ(15°)	-18.31/-18.15	-16.98/-16.98	-17.74/-19.96	-14.73/-15.68	-17.74/-18.16	-17.99/-17.8	-18.1/-18.09	-13.47/-13.13	-11.58/-12.77	-13.64/-13.13	-18.61/-18.39	-18.71/-18.66	-17.37/-18.58	-19.23/-18.61	-18.07/-16.14	-14.88/-14.84	-16.13/-18.65	-18.76/-19.06	-18.53/-19.01	-17.35/-18.03	-16.12/-15.22	-15.05/-14.48	-13.88/-14.21	-15.91/-17.87
Θ(22.5°)	-17.82/-15.86	-14.84/-16.34	-13.68/-12.17	-11.33/-13.05	-16.09/-18.51	-18.02/-18.52	-14.83/-13.03	-10.39/-8.77	-7.97/-4.99	-10.31/-13.32	-14.14/-18.77	-17.29/-19.11	-18.06/-18.84	-17.14/-13.34	-14.74/-13.34	-10.86/-10.06	-10.22/-11.8	-13.12/-18.39	-19.38/-16.49	-12.21/-9.96	-7.95/-6.49	-7.37/-8.99	-10.72/-12.59	-14.39/-15.54
Θ(30°)	-18.77/-18.5	-19.36/-17.3	-14.39/-13.63	-15.18/-18.15	-17.83/-19.65	-18.39/-15.31	-13.96/-12.78	-10.96/-9.54	-8.54/-8.78	-12.01/-15.39	-13.9/-12.27	-13.76/-15.37	-15.53/-19.14	-15.88/-15.41	-18.13/-18.09	-18.48/-18.69	-13.55/-12.24	-12.98/-16.52	-18.17/-18.73	-15.99/-11.52	-9.94/-8.66	-9.38/-11.96	-14.92/-19.05	-18.85/-19.05
Θ(37.5°)	-17.34/-18.31	-17.55/-18.32	-16.94/-18.58	-19.39/-18.34	-17.77/-18	-17.45/-18.78	-18.47/-13.97	-12.82/-12.25	-12.47/-13.18	-14.21/-18.35	-15.38/-11.58	-14.49/-10.35	-18.53/-12.93	-14.22/-16.77	-12.54/-14.13	-15.34/-16.77	-17.34/-14.12	-17.79/-19.05	-18.04/-18.21	-18.38/-18.15	-16.12/-17.88	-15.21/-17.56	-16.98/-18.51	-18.31/-18.65
Θ(45°)	-16.71/-19	-18.44/-17.81	-16.55/-14.92	-17.15/-17.75	-17.54/-11.05	-10.25/-14.29	-17.77/-14.21	-12.19/-12.22	-9.79/-10.65	-14.95/-14.77	-17.55/-13.34	-13.35/-12.84	-9.58/-10.61	-12.82/-18.04	-17.88/-13.04	-9.66/-9.03	-11.15/-18.97	-17.9/-14.93	-15.16/-12.74	-11.91/-13.49	-14.87/-18.38	-17.76/-19.86		
Θ(52.5°)	-19.37/-18.25	-17.95/-16.43	-15.68/-18.11	-15.05/-15.61	-15.33/-12.44	-10.83/-14.06	-19.07/-14.11	-10.44/-10.51	-9.84/-9.34	-14.84/-17.96	-17.24/-18	-18.69/-18	-13.48/-12.69	-11.04/-9.97	-8.74/-9.46	-10.22/-14.98	-18.14/-12.02	-8.77/-9.41	-11.65/-18.03	-16.44/-10.43	-9.21/-11.66	-13.66/-12.63	-13.99/-17.03	-14.71/-17.13
Θ(60°)	-18.61/-19.16	-18.48/-16.31	-13.69/-17.02	-16.4/-16.66	-17.78/-17.47	-14.89/-15.1	-17.14/-15.91	-11.35/-12.17	-11.81/-19.7	-16.16/-18.1	-18.31/-19.59	-18.92/-18.41	-17.63/-18.52	-15.08/-12.25	-7.49/-5.69	-7.25/-9.96	-11.86/-12.14	-11.12/-11.89	-15.19/-18.67	-16.24/-8.38	-6.92/-9.8	-17.32/-11.14	-11.98/-15.37	-13.65/-18.72
Θ(67.5°)	-18.8/-18.82	-17.89/-13.31	-13.24/-18.18	-16.42/-15.62	-18.86/-19.01	-16.32/-15.49	-18.65/-19.03	-14.01/-16.83	-18.24/-14.76	-18.24/-18.27	-17.49/-19.06	-19/-19	-17.94/-19.4	-18.41/-12.2	-8.19/-6.28	-9.9/-15.36	-17.65/-17.99	-14.63/-16.08	-18.15/-19.31	-14.74/-8.24	-6.82/-9.45	-16.28/-13.14	-12.89/-16.16	
Θ(75°)	-18.13/-18.36	-16.9/-13.8	-15.25/-16.91	-18.35/-17.72	-18.85/-18.71	-17.28/-15.92	-18.58/-19.12	-15.51/-16.94	-17.64/-17.94	-18.81/-19.01	-17.39/-14.51	-18.8/-18.88	-17.77/-15.05	-18.34/-17.54	-10.79/-6.48	-9.28/-14.71	-16.95/-18.44	-17.21/-16.2	-18.47/-17.09	-15.04/-9.63	-6.93/-10.24	-17.14/-14.3	-14.69/-18.87	-13.36/-16.16
Θ(82.5°)	-18.86/-17.67	-15.6/-15.46	-15.89/-15.72	-18.61/-18.8	-18.18/-18.09	-16.02/-16.02	-18.89/-18.2	-16.61/-17.79	-19.03/-17.6	-19.25/-18.21	-18.34/-13.38	-16.57/-18.13	-18.94/-17.78	-18.29/-19.72	-14.77/-9.14	-11.56/-10.67	-18/-18.64	-18.25/-15.45	-16.29/-17.4	-16.21/-19.19	-8.21/-11.88	-17.39/-14.59	-14.88/-17.62	-12.93/-15.62
Θ(90°)	-19.12/-17.55	-16.98/-15.72	-17.72/-18.87	-18.91/-17.81	-18.46/-19.63	-16.74/-19.63	-18.01/-17.78	-18.43/-19.38	-18.3/-19.49	-18.35/-19.38	-17.74/-15.19	-17.02/-13.82	-18.93/-17.73	-18.88/-18.32	-16.88/-12.6	-13.84/-16.23	-18.9/-17.55	-16.41/-15.36	-15.21/-19.47	-18.74/-11.72	-11.23/-14.65	-17.89/-14.54	-14.81/-17.89	-14.96/-17.16
Θ(97.5°)	-17.7/-18.45	-18.05/-18.38	-18.32/-18.14	-18.08/-18.02	-18.25/-18.41	-17.39/-17.9	-18.26/-18.49	-18.07/-19.12	-19.03/-18.07	-18.99/-17.87	-18.49/-18.84	-19.15/-16.08	-17.9/-18.14	-18.12/-19.17	-19.23/-16.66	-18.14/-18.7	-18.63/-18.1	-15.72/-15.95	-16.27/-18.19	-19.14/-15.12	-13.65/-18.72	-18.39/-16.7	-16.8/-15.36	-18.58/-17.85
Θ(105°)	-19.53/-18.45	-17.98/-18.25	-18.8/-19.24	-17.87/-17.76	-18.63/-17.98	-18.91/-19.45	-18.75/-17.2	-17.55/-18.8	-18.29/-17.62	-18.04/-17.34	-17.2/-19.19	-18.05/-18.64	-19.23/-17.94	-18.09/-18.64	-18.06/-18.07	-19.03/-18.92	-17.41/-18.97	-19.04/-16.24	-19.16/-16.48	-17.34/-18.76	-18.11/-17.73	-19.36/-18.55	-19.12/-19.08	-18.65/-18.32
Θ(112.5°)	-18.91/-18.07	-17.98/-19.13	-17.8/-18.37	-18.6/-18.34	-19.16/-18.96	-19.02/-19.78	-17.95/-19.04	-19.35/-18.17	-19.36/-18.25	-19.47/-18.4	-17.9/-17.													



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(127.5°)	-18.56/-17.6	-15.79/-13.62	-13.63/-14.46	-18.3/-18.07	-18.89/-18.72	-17.51/-18.41	-15.31/-14.18	-14.4/-12.74	-12.59/-12.84	-13.58/-13.62	-12.48/-14.58	-15.19/-13.14	-11.77/-12.71	-14.65/-12.22	-10.91/-13.91	-16.69/-12.52	-13.29/-11.86	-13.31/-13.56	-12.4/-10.88	-11.69/-11.14	-10.1/-10.76	-13.9/-16.63	-19.11/-16.47	-11.69/-14.83
Θ(135°)	-19/-17.58	-18.48/-19.11	-18.21/-17.56	-17.68/-17.99	-18.53/-17.96	-18.8/-18.02	-17.41/-17.81	-16.98/-16.72	-13.83/-13.96	-14.61/-15.34	-16.74/-16.4	-15.8/-18.1	-15.24/-16.01	-16.72/-13.34	-12.72/-16.13	-17.79/-17.58	-17.38/-18.26	-18.42/-15.69	-17.73/-17.75	-18.74/-19.29	-19.25/-18.46	-18.97/-18.74	-18.64/-18.44	-13.71/-15.26
Θ(142.5°)	-18.36/-18.3	-18.54/-18.25	-19.03/-18.29	-17.84/-18.62	-18.42/-17.71	-18.06/-18.36	-16.97/-16.88	-16.97/-17.18	-16.05/-15.53	-15.8/-16.3	-14.32/-18.7	-18.88/-16.86	-18.99/-17.55	-17.14/-16.46	-17.95/-17.23	-18.72/-18.49	-18.28/-18.39	-16.73/-16.79	-17.92/-19.56	-18.23/-17.78	-18.66/-16.58	-15.79/-17.16	-18.05/-17.96	-17.68/-15.37
Θ(150°)	-19.16/-17.81	-19.24/-18.81	-18.27/-18.2	-18.61/-19.05	-18.1/-18.07	-16.13/-15.48	-16.85/-19.46	-18.38/-18.23	-19.21/-17.64	-19.07/-17.87	-19.13/-18.65	-17.8/-19.43	-17.35/-15.91	-18.16/-18.86	-18.39/-19.04	-16.72/-15.24	-14.97/-13.98	-14.54/-16.23	-17.29/-15.85	-15.08/-16.53	-19.15/-18.25	-17.19/-18.49	-18.54/-18.35	-18.89/-18.23
Θ(157.5°)	-18.51/-18.01	-16.3/-16.03	-17.98/-17.57	-18.44/-16.73	-19.18/-18.25	-18.63/-17.31	-17.72/-18.64	-17.95/-18.44	-17.71/-19.11	-17.49/-18.76	-17.82/-18.72	-18.57/-18.68	-18.53/-19	-18.24/-18.75	-19.27/-18.22	-17.93/-18.72	-18.96/-18.42	-18.24/-18.77	-18.49/-17.14	-18.59/-17.69	-17.9/-19.41	-18.56/-17.94	-18.29/-18.67	-18.54/-19.02
Θ(165°)	-17.42/-16.99	-17.57/-18.36	-17.42/-18.09	-18.19/-18.88	-18.03/-18.4	-17.12/-19.04	-18.14/-18.56	-17.53/-18.22	-16.73/-19.58	-18.73/-17.45	-17.18/-15.98	-17.32/-16.78	-16.85/-18.09	-16.44/-18.59	-17.99/-17.37	-19.21/-18.95	-17.31/-17.94	-18.08/-19.06	-18.08/-16.58	-18.22/-18.18	-19.15/-18.14	-19.07/-18.33	-18.69/-19.28	
Θ(172.5°)	-18.45/-18.25	-17.93/-18.96	-18.85/-17.93	-18.09/-18.21	-17.85/-18.09	-17.73/-18	-18.98/-18.53	-17.79/-18.77	-17.81/-18.51	-17.57/-18.71	-18.22/-18.31	-17.94/-19.12	-18.34/-17.25	-18.98/-18	-18.99/-18.13	-17.46/-18.74	-18.44/-17.6	-18.07/-18.78	-19.05/-19.1	-17.69/-18.14	-17.71/-18.52	-17.98/-17.99	-18.32/-19.45	-18.75/-18.7
Θ(180°)	-18.73/-16.77	-16.01/-16.16	-17/-18.15	-18.36/-18.81	-18.92/-18.47	-17.96/-18.95	-18.7/-18.87	-18.29/-19.24	-19.31/-19.49	-18.59/-18.36	-18.13/-18.27	-18.78/-19.42	-18.89/-18.7	-17.11/-17.48	-17.52/-17.23	-17.71/-17.29	-16.95/-17.06	-17.51/-18.48	-19.45/-17.75	-18.27/-17.81	-17.47/-18.18	-17.98/-18.7	-18.78/-18.17	-18.13/-18.42
Freq(Hz)	5.2GPol.	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°)	-13.67/-13	-12.31/-11.46	-10.35/-9.84	-9.82/-10.10	-10.51/-10.82	-11.71/-12.14	-12.74/-12.98	-13.88/-14.84	-15.25/-15.47	-15.42/-15.22	-14.84/-14.32	-13.48/-12.67	-11.26/-10.45	-10.42/-10.23	-10.02/-9.76	-9.46/-9.9	-10.46/-11.4	-12.19/-12.21	-12.34/-12.63	-13.05/-13.87	-14.34/-14.62	-14.91/-14.62	-14.7/-14.53	-14.3/-14.04
Θ(7.5°)	-14.1/-13.95	-13.28/-11.18	-11.31/-11.21	-11.68/-12.19	-12.82/-13.53	-13.87/-12.14	-14.14/-14.98	-15.71/-17.59	-18.87/-18.74	-18.75/-17.66	-17.83/-15.63	-14.3/-12.65	-11.06/-10.08	-12.33/-8.87	-8.59/-9.39	-8.66/-9.29	-10.37/-11.39	-11.97/-11.88	-12.15/-12.49	-12.21/-12.18	-13.51/-14.26	-15.13/-15.38	-15.65/-15.06	
Θ(15°)	-13.37/-12.75	-12.11/-12.58	-14.35/-16.91	-19.07/-17.43	-15.95/-15.31	-15.61/-19.18	-18.7/-18.42	-14.58/-12.43	-11.7/-12.49	-15.06/-18.8	-18.15/-18.85	-18.61/-17.17	-14.78/-12.59	-10.91/-9.85	-9.41/-10.01	-11.44/-13.67	-16.42/-19.21	-18.17/-17	-14.85/-13.3	-11.74/-10.27	-9.41/8.86	-8.56/9.09	-10.08/-11.47	-13.92/-14.18
Θ(22.5°)	-10.55/-10.34	-12.4/-10.75	-17.9/-18.41	-19.27/-17.1	-11.9/-9.91	-9.4/-11.1	-14.84/-18.72	-15.15/-11.37	-9.59/-9.41	-10.67/-14.37	-16.35/-17.47	-17.84/-19.37	-18.22/-17.69	-18.01/-18.7	-18.32/-16.21	-15.11/-14.96	-16.69/-18.3	-18.2/-18.43	-18.61/-16.44	-13.31/-11.68	-10.8/-9.59	-8.33/-7.41	-7.04/-7.76	-8.37/-10.51
Θ(30°)	-10.09/-10.1	-13.03/-18.89	-17.64/-14.86	-17.36/-18.05	-12.22/-9.37	-8.05/-8.4	-11.46/-18.53	-13.62/-13.71	-12.55/-12.41	-12.33/-12.83	-12.97/-12.85	-11.16/-11.06	-13.38/-15.04	-16.9/-18.84	-16.68/-15.18	-11.46/-10.55	-11.7/-13.47	-16.56/-18.09	-18.41/-16.97	-13.16/-10.94	-10.6/-10.74	-11.48/-11.55	-10.26/-9.3	-8.94/-9.32
Θ(37.5°)	-11.6/-12.5	-16.02/-19.06	-14.65/-11.49	-9.82/-11.1	-14.18/-12.76	-9.72/-9.14	-10.72/-14.94	-17.88/-19.5	-15.01/-14.9	-14.69/-11.58	-9.36/-8.81	-9.16/-10.76	-13.11/-14.55	-17.2/-17.96	-17.24/-14.48	-11.61/-12.29	-11.89/-12.22	-13.4/-17.65	-19.29/-18.67	-15.69/-13.63	-12.4/-13.94	-17.72/-17.79	-16.99/-12.58	-10.25/-10.26
Θ(45°)	-16.9/-15.19	-18.54/-17.89	-19.3/-12.2	-9.6/-14.27	-13.55/-18.77	-10.92/-9.74	-9.36/-11.41	-17.54/-19.41	-16.71/-16.29	-12.96/-10.06	-7.7/-7.65	-9.11/-12.67	-15.79/-17.29	-17.6/-16.68	-15.06/-14.03	-15.3/-16.12	-18.03/-18.28	-15.27/-15.53	-18.78/-18.77	-16.5/-13.17	-13.59/-16.35	-19.19/-16.44	-12.22/-10.16	-11.55/-15.58
Θ(52.5°)	-16.34/-16.48	-18.59/-18.81	-19.17/-12.66	-12.92/-13.44	-13.36/-16.16	-14.97/-12.26	-11.1/-13.49	-17.78/-19.27	-17.91/-17.23	-11.17/-9	-7.65/-9.56	-9.86/-13.78	-16.74/-19.35	-18.34/-15.33	-16.34/-15.33	-15.31/-16.44	-18.96/-18.77	-15.15/-14.67	-19.24/-19.06	-16.16/-15.6	-15.96/-19.24	-17.91/-18.81	-14.71/-13.68	-18.37/-17.7
Θ(60°)	-13.32/-14.88	-18.21/-19.04	-18.65/-14.55	-17.31/-18.83	-18.77/-17.31	-18.92/-15.75	-16.76/-17.84	-18.59/-18.72	-17.63/-17.6	-13.71/-13.41	-12.91/-12.72	-12.36/-11.55	-17.92/-15.77	-18.98/-16.05	-18.55/-18.45	-19.27/-18.35	-17.49/-18.54	-15.92/-13.84	-16.53/-18.77	-19.31/-14.88	-15.17/-17.39	-18.74/-17.54	-17.3/-19.38	-17.1/-15.81
Θ(67.5°)	-10.19/-18.77	-14.7/-18.62	-16.46/-16.38	-16.84/-18.75	-17.67/-17.48	-17.43/-17.15	-17.53/-17.45	-17.36/-17.7	-17.94/-18.73	-15.23/-17.73	-18.74/-14.45	-13.94/-10.38	-18.76/-19.22	-18.34/-19.26	-15.8/-18.88	-17.05/-17.6	-18.74/-16.56	-16.58/-15.62	-15.04/-18	-18.09/-13.57	-14.03/-18.11	-18.75/-18.27	-19.34/-18.39	-16.46/-16.16
Θ(75°)	-10.91/-12.83	-14.07/-16.91	-13.97/-13.06	-15.35/-13.33	-17.81/-18.12	-18.14/-16.72	-17.15/-18.47	-16.96/-16.21	-15.71/-18.49	-15.7/-18.86	-18.28/-16.34	-15.31/-11.18	-15.24/-18.77	-18.54/-18.13	-17.61/-18.56	-18.67/-17.12	-15.36/-14.04	-12.31/-13.69	-17.25/-14.28	-13.22/-16.44	-18.69/-18.27	-18.5/-17.43	-15.89/-11.87	
Θ(82.5°)	-16.33/-16.33	-18.35/-18.87	-16.77/-15.59	-18.68/-18.81	-18.78/-19.3	-19.02/-17.26	-17.63/-16.08	-15.82/-16.74	-18.37/-17.84	-14.24/-17.34	-19/-15.81	-15.56/-13.32	-16.98/-17.86	-19.12/-18.67	-17/-16.22	-13.74/-12.55	-14.63/-13.89	-14.21/-12.47	-8.86/-11.19	-19.36/-14.4	-14.85/-16.07	-17.05/-17.87	-18/-18.41	-17.29/-14.33
Θ(90°)	-17.63/-16.55	-18.69/-17.92	-18.41/-16.59	-18.39/-18.45	-16.69/-18.06	-18.5/-16.33	-15.72/-15.09	-16.11/-17.27	-13.33/-18.18	-16.07/-14.68	-18.73/-17.02	-17.66/-18.12	-17.14/-18.03	-18.19/-17.84	-18.54/-18.14	-13.84/-12.17	-12.98/-14.59	-14.06/-12.23	-10.94/-10.46	-17.87/-18.58	-15.89/-15.63	-16.4/-17.97	-18.76/-18.58	-18.88/-15.83
Θ(97.5°)	-17.23/-17.89	-19.28/-17.37	-17.56/-17.92	-17.93/-18.83	-17.97/-18.63	-17.85/-17.33	-18.37/-19.47	-16.02/-18.34	-14.7/-14.94	-18.04/-17.52	-17.25/-18.1	-18.37/-17.14	-17.84/-18.68	-17.96/-18.79	-18.92/-14.17	-16.93/-18.09	-17.28/-16.77	-12.79/-13.37	-17.82/-18.99	-19.37/-18.82	-18.53/-17.77	-17.94/-17.29	-17.73/-19.36	
Θ(105°)	-18.31/-17.15	-18.05/-17.89	-18.85/-18.68	-19.48/-17.95	-19.18/-18.36	-18/-17.67	-18.69/-17.86	-18.86/-19.42	-18.22/-18.28	-18.51/-15.2	-17.22/-18.54	-18.05/-19.26	-19/-17.9	-17.52/-18.51	-17.81/-17.6	-18.61/-17.92	-16.78/-18.84	-19.09/-18.25	-18.55/-18.2	-18.43/-18.55	-19.28/-18.06	-18.17/-17.76	-18.92/-16.85	-19.32/-19.03
Θ(112.5°)	-15.04/-18.85	-19.07/-16.88	-17.65/-13.33	-18.93/-18.13	-17.64/-17.77	-17.93/-18.03	-18.61/-18.5	-18.42/-18.02	-18.96/-17.82	-19.14/-15.95	-17.77/-18.14	-17.66/-18.12	-17.97/-19.07	-18.79/-18.47	-18.77/-18.72	-19.36/-17.88	-19.26/-15.81	-18.48/-16.23	-14.01/-17.97	-19.52/-16.43	-15.94/-18.11	-18.73/-18.47	-18.48/-19.77	-17.75/-19.39
Θ(120°)	-16.86/-13.97	-18.84/-18.13	-17.59/-17.7	-15.95/-17.65	-18.14/-19.07	-18.68/-18.78	-18.93/-18.68	-18.06/-17.99	-18.9/-18.26	-18.52/-18.18	-19.13/-19.28	-17.97/-19.13	-19.06/-17.72	-18.97/-17.38	-18.31/-17.23	-18.01/-16.35	-15.24/-14.74	-16.02/-13.83	-15.68/-17.84	-14.61/-19.2	-18.71/-17.77	-19.35/-18.15	-18.57/-19.36	
Θ(127.5°)	-18.05/-18.44	-19.09/-17.46	-18.29/-17.51	-19.43/-17.91	-17.61/-18.34	-17.88/-18.99	-17.87/-17.72	-18.76/-18.38	-18.3/-18.28	-18.02/-18.92	-17.46/-17.65	-19.11/-18.23	-18.5/-18.03	-18.19/-15.31	-19.09/-18.94	-18.96/-18.63	-19/-18.26	-17.67/-17.89	-17.51/-17.11	-17.88/-18.57	-17.82/-18.27	-18.65/-18.02	-17.6/-18.96	-19.18/-18.94
Θ(135°)	-18.21/-17.21	-17.95/-18.18	-17.41/-18.79	-18.68/-19.33	-18.45/-18.43	-19.2/-18.93	-18.14/-18.38	-17.42/-19.19	-18.04/-19.65	-17.44/-18.13	-18.45/-18.27	-16.68/-14.4	-17.95/-15.51	-18.6/-16.33	-15.58/-18.42	-18.12/-18.32	-18.83/-19.38	-18.12/-19.25	-18.7/-16.55	-17.66/-13.31	-19.1/-15.18	-18.32/-18.41	-18.08/-16.91	-18.64/-17.29
Θ(142.5°)	-18.45/-18.8	-17.53/-18.39	-19.09/-18.34	-19.12/-19.04	-19.06/-18.24	-18.92/-16.9	-15.81/-18.35	-17.97/-19.02	-17.86/-18.63	-18.37/-15.63	-15.45/-16.44	-17.72/-19.23	-19/-17.81	-17.35/-18.85	-19.49/-16.76	-17.19/-17.3	-18.57/-17.8	-19.01/-16.62	-17.65/-18.86	-18.15/-18.92	-17.95/-15.67	-17.85/-17.4	-18.81/-17.94	
Θ(150°)	-16.23/-16.16	-19.33/-18.17	-18.41/-18.63	-18.07/-17.46	-16.12/-17.88	-18.42/-18.15	-19.09/-19.24	-17.92/-19.27	-17.92/-17.86	-19.33/-18.35	-18.39/-18.27	-18.87/-19	-18.8/-19.18	-18.38/-18.51	-18.58/-18.32	-18.91/-18.43	-18.33/-17.41	-18.23/-18.23	-18.56/-18.27	-18.79/-17.52	-17.91/-19.21	-18.11/-19.08	-19.11/-19.2	-18.92/-19.73
Θ(157.5°)	-15.96/-16.86	-15.17/-14.95	-18.66/-18.6	-18.88/-19.04	-17.34/-17.7	-18.83/-17.45	-17.93/-18.11	-18.06/-18.62	-18.5/-17.86	-18.49/-17.95	-17.73/-19.26	-18.11/-18.88	-18.98/-18.26	-18.75/-18.88	-18.3/-18.98	-18.97/-16.78	-19.18/-17.46	-17.72/-17.42	-18.96/-18.14	-18.43/-19.25				



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ (180°)	-19.15/-18.6	-18.03/-19.31	-18.24/-17.42	-18.11/-19.26	-18.25/-18.05	-17.22/-17.43	-18.47/-18.59	-18.32/-18.49	-18.93/-18.61	-18.15/-17.81	-18.95/-18.57	-18.11/-18.35	-18.1/-18.51	-18.38/-17.94	-17.51/-19	-18.41/-17.76	-19.38/-17.9	-18.17/-17.89	-18.91/-18.46	-18.6/-18.02	-17.98/-18.8	-18.11/-18.3	-18.96/-18.33	-17.34/-17.71
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°)	-9.88/-9	-9.45/-9.7	-10.16/-10.5	-11.12/-11.88	-12.24/-12.65	-13.36/-13.91	-14.79/-15.75	-16.17/-15.82	-15.19/-14.98	-14.65/-14.68	-14.64/-14.48	-14.32/-13.62	-12.79/-12.47	-12.62/-12.8	-12.58/-12.1	-11.87/-11.68	-11.74/-12.13	-11.71/-11.4	-11.34/-11.27	-11.47/-12.74	-14.18/-15	-16.6/-15.9	-13.39/-11.47	-10.87/-10.68
Θ (7.5°)	-10.8/-11.27	-11.31/-11.97	-12.48/-12.95	-13.48/-13.13	-13.01/-12.46	-11.45/-11.35	-11.36/-11.4	-11.95/-12.87	-14.57/-16.2	-17.84/-17.65	-16.2/-13.74	-11.94/-10.67	-10.9/-7.5	-10.03/-11.1	-11.72/-12.57	-13.86/-14.74	-16.3/-17.28	-16.74/-17.24	-17.06/-15.89	-15.97/-15.91	-15.23/-14.38	-13.82/-12.97	-11.46/-11.07	-10.78/-11.21
Θ (15°)	-11.03/-10.56	-11.28/-13.19	-16.28/-18.63	-17.96/-17.13	-16.05/-15.61	-17.77/-18.78	-18.55/-15.88	-13.57/-12.58	-12.91/-15.27	-18.9/-17.6	-15.08/-11.29	-10.01/-10.76	-12.58/-14.31	-15.1/-15.48	-15.87/-17.49	-18.65/-18.4	-18.7/-18.05	-16.7/-18.05	-18.35/-17.97	-13.92/-13.35	-12.7/-11.65	-10.99/-10.6	-10.87/-12.92	-12.82/-12.53
Θ (22.5°)	-11.58/-11.76	-14.51/-18.88	-14.36/-11.81	-12.63/-13.86	-13.09/-13.84	-14.85/-18.57	-19/-18.86	-16.58/-16.99	-18.26/-18.07	-18.83/-18.31	-13.5/-11.69	-11.77/-12.89	-14.21/-15.23	-16.9/-18.91	-18.44/-17.17	-17.87/-14.7	-15.63/-18.66	-18.78/-18	-16.1/-13.33	-11.37/-10.48	-10.81/-12.16	-13.02/-12.25	-12.53/-14.44	-14.69/-13.23
Θ (30°)	-17/-16.71	-17.44/-18.85	-16.15/-12.6	-11.62/-10.92	-12.31/-16.37	-16.37/-15.78	-18.05/-19.01	-19.08/-18.49	-18.62/-18.05	-16.44/-18.18	-17.35/-18.3	-15.32/-12.07	-11.21/-9.62	-9.22/-11.57	-17.2/-17.35	-15.4/-13.18	-14.24/-17.31	-17.3/-18.52	-17.22/-14.39	-10.79/-8.95	-9.44/-12.22	-17.77/-17.18	-19.19/-17.2	-17.27/-18.96
Θ (37.5°)	-18.33/-16.02	-14.91/-16.28	-18.2/-17.35	-10.71/-10.9	-18.92/-17.28	-12.3/-11.95	-14.93/-19.04	-19.59/-18.62	-18.29/-16.78	-16.27/-17.63	-14.81/-14.72	-14.93/-14.17	-11.19/-9.27	-9.35/-11.73	-17.86/-18.7	-17.49/-18.72	-18.71/-18.58	-17.63/-18.09	-18.7/-18.67	-15.16/-11.42	-10.32/-13.03	-18.8/-17.58	-17.07/-19.18	-17.35/-18.81
Θ (45°)	-16.05/-12.25	-13.26/-16.7	-17.68/-17.79	-12.92/-17.56	-18.44/-12.18	-9.71/-10.58	-14.07/-17.56	-15.97/-15.94	-16.24/-16.62	-14.63/-16.34	-17.49/-16.19	-14.06/-18.07	-13.06/-11.13	-13.2/-13.04	-17.39/-18.16	-18.85/-17.38	-18.42/-16.78	-13.68/-12.93	-13.99/-19.2	-18.07/-15.27	-12.06/-13.48	-15.78/-14.25	-13.14/-14.42	-18.09/-18.48
Θ (52.5°)	-19.01/-14.44	-18.98/-18.53	-19.12/-16.44	-14.28/-18.1	-16.08/-10.64	-9.4/-10.32	-14.2/-18.84	-15.81/-16.33	-14.23/-11.16	-11.73/-13.46	-18.8/-18.47	-18.96/-17.49	-18.05/-18.59	-17.29/-17.99	-19.21/-17.92	-17.6/-18.38	-18.79/-19.03	-15.37/-13.43	-15.25/-18.27	-17.36/-15.6	-11.35/-12.21	-13.32/-12.92	-13.28/-13.19	-15.23/-17.59
Θ (60°)	-19.01/-17.74	-17.83/-17.7	-18.1/-17.47	-15.59/-19.05	-14.96/-14.33	-13.12/-12.29	-14.96/-17.87	-18.24/-18.27	-18.45/-12.02	-11.23/-12.24	-14.31/-18.81	-17.93/-14.94	-14.82/-17.59	-16.62/-17.87	-17.14/-18.3	-16.9/-17.98	-17.12/-17.92	-16.05/-14.94	-18.81/-17.45	-13.08/-11.92	-12.47/-13.95	-18.57/-18.43	-18.92/-18.44	
Θ (67.5°)	-17.99/-17.93	-18.4/-16.17	-18.11/-18.31	-16.05/-17.38	-18.69/-18.6	-17.61/-14.87	-16.43/-18.88	-18.83/-15.05	-18.16/-12.57	-9.63/-12.5	-12.87/-14.54	-17.13/-16.29	-17.73/-17.27	-18.23/-17.71	-17.63/-18.99	-17.33/-16.09	-14.7/-18.06	-16.23/-17.39	-17.7/-18	-13.3/-12.67	-13.17/-15.19	-18.89/-18.97	-18.54/-19.28	
Θ (75°)	-17.79/-18.6	-18.49/-15.37	-17.69/-18.74	-16.25/-18.47	-17.91/-18.13	-19.08/-19.06	-18.36/-17.28	-18.04/-19.01	-18.87/-16.02	-10.89/-11.95	-14.82/-17.73	-17.62/-18.2	-18.42/-19.08	-18.9/-18.27	-16.94/-17.93	-18.98/-16.58	-13.35/-15.41	-18.04/-17.88	-16.73/-16.91	-16.91/-13.71	-14.12/-16.37	-17.09/-16.08	-17.26/-18.71	
Θ (82.5°)	-18.88/-18.3	-18.05/-18.1	-17.87/-18.93	-18.91/-18.47	-18.91/-18.32	-17.46/-18.15	-18.15/-17.25	-18.14/-16.83	-17.37/-17.93	-13.96/-13.98	-18.08/-15.81	-17.49/-19.94	-17.93/-16.36	-18.8/-17.71	-16.68/-18.15	-18.28/-14.88	-15.61/-19.56	-17.29/-19.05	-18.12/-17.77	-16.19/-18.58	-18.79/-16.76	-18.56/-15.46	-18/-17.85	
Θ (90°)	-18.55/-18.67	-18.86/-18.36	-18.16/-17.48	-18.82/-17.66	-18.24/-18.61	-18.36/-17.68	-18.09/-17.53	-17.75/-17.64	-18.13/-18.74	-17.87/-15.47	-18.92/-19.06	-18.27/-17.43	-17.76/-18.34	-18.05/-17.74	-18.38/-19.01	-18.67/-17.81	-17.71/-16.47	-17.71/-19.1	-18.09/-17.25	-14.67/-17.43	-18.33/-17.31	-16.24/-18.06	-17.57/-17.39	-18.66/-17.72
Θ (97.5°)	-19.16/-18.31	-19.07/-17.89	-17.76/-18.6	-18.13/-18.93	-19.01/-17.3	-18.23/-18.87	-19.03/-17.76	-19.17/-19.3	-19.15/-18.12	-18.92/-18.78	-18.71/-19.26	-19.29/-18.43	-18.92/-18.16	-18.89/-17.96	-18.67/-17.79	-18.61/-17.73	-18.53/-18.41	-18.04/-18.76	-17.93/-16.28	-15.91/-19.33	-18.16/-18.08	-18.31/-18.12	-17.81/-18.45	-18.95/-17.87
Θ (105°)	-19.22/-17.9	-19.06/-17.01	-18.84/-19.05	-18.45/-17.77	-18.01/-17.89	-17.81/-17.14	-17.48/-17.73	-18.52/-18.85	-17.77/-18.97	-19.21/-18.82	-18.68/-18.43	-16.76/-18.26	-18.31/-18.59	-18.63/-17.42	-17.52/-18.48	-17.87/-18.35	-18.74/-17.72	-18.54/-18.35	-18.74/-17.28	-19.05/-18.62	-19.19/-18.98	-17.82/-18.97	-18.15/-17.58	-17.69/-18.66
Θ (112.5°)	-17.95/-18.06	-18.59/-18.73	-17.25/-18.67	-17.67/-19.44	-18.66/-18.04	-17.81/-18.73	-17.49/-18.42	-17.65/-17.66	-17.74/-18.55	-17.32/-17.13	-18.5/-18.38	-17.75/-18.36	-17.52/-18.4	-17.6/-19.09	-17.71/-18.89	-19.07/-18.43	-17.9/-18.98	-17.68/-18.18	-18.78/-19.02	-18.49/-18.08	-18.22/-18.33	-17.91/-18.12	-18.2/-18.98	-18.21/-18.51
Θ (120°)	-18.21/-18.22	-18.73/-14.59	-18.78/-18.65	-18.66/-18.2	-17.41/-17.76	-19/-17.93	-19/-18.55	-18.84/-18.81	-17.55/-19.13	-19.41/-18.38	-18.97/-17.85	-19/-18.21	-18.9/-18.71	-18.18/-18.95	-19.6/-18.99	-18.69/-16.65	-17.91/-18.24	-18.92/-18.46	-18.04/-17.75	-18.3/-17.98	-18.65/-18.64	-18.01/-17.43	-18.83/-19.22	
Θ (127.5°)	-18.91/-14.97	-18.01/-18.51	-18.03/-18.59	-17.62/-18.64	-17.71/-18.51	-18.29/-17.5	-19.02/-17.98	-18.43/-19.27	-18.02/-18.26	-16.57/-18.85	-18.83/-18.24	-16.36/-18.31	-17.67/-17.98	-18.15/-18.53	-18.05/-18.34	-13.44/-16.86	-18.09/-18.8	-18.94/-18.84	-18.8/-18.11	-18.54/-18.42	-18.73/-18.35	-18.55/-17.67	-17.61/-18.86	-17.41/-18.32
Θ (135°)	-18.23/-17.81	-19.01/-18.8	-18.43/-18.33	-17.64/-18.31	-17.87/-18.34	-19.27/-18.85	-18.76/-18.88	-18.93/-18.19	-18.18/-18.75	-18.84/-17.88	-17.34/-18.33	-17.64/-18.94	-18.56/-16.21	-18.13/-18.62	-18.96/-17.88	-17.46/-18.49	-18.7/-18.27	-18.19/-17.68	-17.52/-19.34	-18.57/-18.46	-18.41/-17.39	-18.29/-18.8	-17.81/-17.69	-18.89/-18.07
Θ (142.5°)	-14.05/-17.71	-18.46/-16.74	-18.16/-18.99	-18.55/-18.04	-18.74/-17.47	-18.71/-17.3	-17.93/-18.12	-18.89/-18.98	-17.66/-19.16	-18.59/-18.75	-18.46/-18.3	-19.12/-18.73	-17.92/-18.31	-18.9/-18.04	-18.08/-19.17	-18.43/-17.12	-19.14/-19.29	-18.54/-18.71	-17.86/-18.18	-18.19/-17.85	-19.01/-16.77	-17.69/-18	-18.74/-17.76	-18.89/-18.04
Θ (150°)	-15.62/-17.32	-19.19/-18.64	-17.99/-16.35	-18.72/-18.3	-18.86/-19.14	-18.77/-18.37	-18.93/-18.23	-17.23/-17.82	-18.74/-17.97	-18.65/-17.72	-17.98/-18.84	-16.36/-18.31	-17.97/-17.43	-19.01/-18.19	-18.41/-18.25	-17.25/-17.62	-18.91/-17.2	-17.96/-18.57	-18.44/-17.75	-18.19/-15.33	-18.14/-18.17	-15.95/-18.69	-18.29/-17.53	-18.49/-14.85
Θ (157.5°)	-17.82/-18.38	-18.14/-17.43	-18.77/-17.73	-18.08/-18.02	-17.14/-18.86	-19.23/-19.26	-18.37/-19.2	-18.87/-19.12	-18.45/-18.79	-17.47/-18.94	-17.97/-18.69	-17.62/-18.76	-17.49/-18.84	-18.68/-18.77	-17.66/-17.83	-19.08/-17.84	-19.26/-18.47	-17.68/-18.97	-18.46/-18.72	-18.97/-18.44	-18.17/-18.66	-18.78/-18.14	-18.4/-18.88	-18.17/-18.5
Θ (165°)	-18.28/-17.77	-17.82/-15.23	-14.86/-14.59	-16.69/-10.3	-18.89/-18.49	-17.69/-18.26	-19.1/-18.62	-18.96/-17.81	-17.35/-15.57	-17.95/-16.36	-18.14/-18.1	-18.64/-19.17	-18.3/-18.65	-18.81/-18.01	-17.77/-19.12	-18.73/-18.34	-18.02/-19.14	-18.73/-19.74	-17.87/-18.61	-16.58/-17.35	-19.09/-17.49	-18.44/-17.31	-18.3/-19.35	-18.12/-18.04
Θ (172.5°)	-17.51/-17.71	-19.03/-19.17	-18.83/-17.47	-18.22/-18.83	-17.77/-18.44	-17.77/-18.44	-18.41/-18.64	-18.18/-17.27	-18.24/-19.16	-18.26/-18.69	-18.47/-18.41	-18.08/-18.15	-17.77/-18.28	-17.99/-18.96	-17.57/-17.67	-18.6/-18.43	-18.23/-18.34	-18.79/-18.11	-18.97/-18.45	-15.02/-18.2	-18.72/-18.17	-14.71/-17.65	-18.59/-17.43	-18.63/-18.26
Θ (180°)	-18.67/-18.8	-17.78/-18.12	-18.6/-17.75	-17.97/-19.29	-18.11/-19.39	-18.55/-18.6	-19.21/-18.28	-17.97/-18.33	-18.03/-18.52	-18.25/-19.38	-17.4/-17.4	-18.83/-17.98	-17.21/-17.65	-17.41/-17.07	-16.39/-15.58	-15.87/-17.42	-19.29/-17.72	-17.21/-18.81	-18.76/-18.26	-18.23/-19.31	-18.09/-18.61	-18.95/-18.73	-18.21/-18.05	-18.05/-18.62
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°)	-14.18/-17.22	-17.68/-17.98	-17.58/-18.16	-19.12/-16.51	-16.22/-15.08	-14.66/-14.82	-14.78/-14.34	-14.62/-14.27	-14.37/-14.36	-14.51/-14.19	-13.92/-13.89	-13.46/-13.09	-12.68/-12.45	-12.61/-12.5	-12.4/-12.12	-11.69/-12.01	-12.09/-12.1	-11.85/-11.82	-11.67/-11.31	-11.13/-10.61	-10.13/-9.79	-9.68/-9.88	-10.15/-10.66	-11.11/-12.32
Θ (7.5°)	-12.51/-12.11	-11.69/-11.22	-10.61/-10.36	-10.44/-11.04	-11.55/-11.9	-11.71/-11.92	-11.85/-11.21	-10.43/-9.62	-9.12/-8.78	-8.69/-8.94	-9.51/-10.83	-12.45/-14.9	-18.23/-18.16	-18.03/-19	-13.88/-18.27	-18.65/-18.2	-19.35/-19.34	-17.98/-18.9	-14.93/-18.82	-18.52/-18.22	-16.46/-14.74	-14.42/-13.69	-13.64/-13.71	-13.33/-12.76
Θ (15°)	-6.84/-6.47	-6.21/-6.24	-6.77/-7.29																					



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(30°)	-3.42/2.91	-2.55/2.29	-2.18/2.21	-2.28/2.24	-2.75/3.19	-3.68/4.02	-4.12/4.17	-4.57/5.75	-7.47/-8.12	-8.37/-7.26	-6.64/6.04	-5.22/-3.97	-2.79/2.15	-1.64/-1.47	-1.71/-1.51	-2.21/3.38	-5.1/7.25	-9.46/-10.91	-11/-10.29	-9.66/-9.35	-9.24/9.19	-9.3/9.51	-9.25/-7.84	-5.95/-4.45
Θ(37.5°)	-2.18/-1.68	-1.47/-1.49	-1.79/-2.21	-2.58/-2.78	-2.8/2.82	-3.06/-3.45	-3.83/-3.98	-4.31/-5.59	-6.79/-8.13	-7.9/-6.49	-5.13/-4.49	-4.05/-3.31	-2.58/-2	-1.66/-1.48	-1.23/-1.39	-2/-3.08	-4.61/-6.37	-8.13/-9.26	-9.31/-8.61	-7.76/-7.06	-6.6/-6.37	-6.51/-7.07	-7.47/-6.59	-4.83/-3.27
Θ(45°)	-1.2/-0.72	-0.74/-1.05	-1.79/-2.74	-3.34/-3.36	-2.94/-2.54	-2.45/-2.74	-3.34/-4.02	-4.6/-5.18	-6.17/-7.81	-7.41/-5.75	-4.37/-3.82	-4.02/-3.91	-3.23/-2.55	-2/-1.8	-1.83/-1.95	-2.08/-2.85	-3.94/-5.11	-6.29/-7.02	-7.19/-6.91	-6.29/-5.65	-5.18/-4.9	-4.89/-5.21	-5.47/-5.01	-3.77/-2.31
Θ(52.5°)	-0.83/-0.34	-0.46/-1.05	-2.19/-3.55	-4.15/-3.88	-3.34/-2.8	-2.43/-2.46	-3.16/-4.35	-5.66/-6.59	-7.13/-7.05	-6.2/-4.94	-3.84/-3.68	-3.86/-4.04	-3.7/-2.88	-2.31/-2.03	-1.99/-1.82	-2.12/-2.74	-3.53/-4.31	-5.06/-5.43	-5.27/-4.91	-4.67/-4.49	-4.38/-3.47	-4.45/-4.63	-4.62/-4.09	-3.11/-1.92
Θ(60°)	-0.97/-0.47	-0.72/-1.44	-2.75/-4.15	-4.52/-4.1	-3.64/-3	-2.37/-2.21	-2.95/-4.45	-6.41/-7.79	-7.61/-6.87	-6/-5.26	-4.18/-3.35	-3.96/-4.76	-4.65/-4.34	-2.49/-2.22	-2.23/-2.41	-3.09/-3.41	-3.74/-4.09	-4.57/-4.92	-4.76/-4.27	-4.34/-4.6	-4.63/-4.56	-4.35/-3.79	-3.03/-2.06	
Θ(67.5°)	-1.6/-1.15	-1.56/-2.5	-4.04/-5.36	-5.3/-4.87	-4.36/-3.33	-2.36/-2.11	-2.84/-4.31	-6.28/-7.98	-8.36/-8	-6.58/-5.27	-3.82/-3.34	-3.99/-4.78	-4.55/-3.22	-2.52/-2.82	-3.22/-3.75	-4.35/-4.44	-4.24/-4.09	-4.14/-4.3	-4.5/-4.49	-4.35/-4.46	-4.87/-5.32	-5.36/-4.02	-4.45/-3.81	-3.24/-2.58
Θ(75°)	-2.38/-2.12	-2.44/-3.39	-5.04/-6.26	-6.32/-6.16	-5.26/-3.67	-2.51/-2.25	-2.91/-4.2	-5.99/-7.99	-9.46/-8.7	-6.66/-5.47	-4.21/-3.6	-3.85/-4.42	-4.66/-4.29	-3.85/-3.76	-4.42/-5.41	-6.17/-6.05	-5.3/-4.66	-4.1/-3.72	-3.72/-4.22	-4.91/-5.6	-6.31/-6.77	-6.82/-6.28	-5.29/-4.46	-3.88/-3.18
Θ(82.5°)	-3.37/-3.55	-3.99/-4.69	-6.27/-6.73	-6.68/-6.8	-5.38/-3.36	-2.27/-2.3	-3.3/-4.86	-6.71/-8.52	-9.71/-8.78	-6.81/-5.57	-4.51/-3.64	-4.09/-5.3	-5.55/-5.55	-4.73/-4.44	-5.06/-6.08	-6.95/-6.91	-6.36/-6.05	-5.73/-5.16	-4.72/-4.73	-5.39/-6.5	-7.54/-7.83	-7.6/-7.24	-6.09/-5.42	-5.12/-4.21
Θ(90°)	-4.16/-4.5	-5.66/-6.37	-8.37/-8.31	-7.38/-7.17	-5.13/-2.95	-2.15/-2.52	-3.58/-4.82	-6.05/-7.33	-8.1/-9.73	-8.07/-6.77	-5.04/-4.08	-4.98/-6.51	-6.84/-6.85	-5.47/-4.88	-5.86/-7.06	-7.57/-6.77	-5.87/-6.13	-6.77/-7.19	-7.16/-6.86	-6.64/-7.07	-8.03/-8.42	-8.28/-8.31	-7.1/-6.08	-6.11/-5.38
Θ(97.5°)	-5.44/-5.75	-7.1/-7.6	-9.38/-9.76	-8.54/-8.81	-6.74/-4.24	-3.28/-3.41	-4.02/-4.87	-6.18/-8.06	-10.83/-12	-8.23/-5.99	-5.07/-5.24	-7.46/-9.41	-9.2/-7.81	-5.91/-5.32	-5.86/-6.63	-7.15/-6.82	-6.73/-7.45	-9.04/-10.51	-10.64/-9.4	-8.04/-7.79	-8.53/-8.9	-8.45/-8.29	-7.43/-6.62	-6.6/-6.24
Θ(105°)	-4.96/-5.49	-7.49/-9.25	-11.49/-11.95	-9.42/-8.68	-7.39/-4.93	-3.53/-3.22	-3.77/-4.97	-6.93/-9.49	-12.03/-11.3	-8.42/-7.99	-8.97/-9.34	-10.82/-9.92	-8.37/-7.23	-6.76/-6.42	-6.97/-8.31	-9.48/-9.55	-8.41/-8.28	-10.11/-13.73	-18.55/-18.34	-13.08/-10.35	-9.81/-9.93	-9.71/-9.84	-8.4/-8.51	-7.69/-5.96
Θ(112.5°)	-6.02/-5.84	-6.64/-6.37	-9.45/-11.01	-10.4/-8.69	-7.43/-5.29	-4.09/-4.29	-5.51/-7.44	-10.02/-12.72	-14.12/-12.14	-9.79/-10.08	-10.6/-10.01	-10.78/-10.04	-9.28/-10.7	-10.83/-8.84	-8.57/-9.25	-10.46/-11.5	-9.97/-10.3	-12.45/-13.52	-14.36/-17.9	-18.79/-13.65	-11.61/-10.07	-8.39/-7.99	-8.46/-9.79	-11.42/-8.39
Θ(120°)	-7.09/-7.19	-8.76/-9.84	-10.9/-10.4	-8.6/-7.75	-7.34/-6.48	-6.05/-6.58	-7.75/-9.13	-10.6/-12.1	-12.85/-11.84	-11.07/-13.08	-16.54/-15.06	-14.43/-11.92	-11.38/-13.09	-11.53/-9.39	-9.42/-10.59	-13.97/-18.25	-14.96/-12.82	-11.58/-9.31	-8.54/-9.85	-12.06/-13.31	-15.62/-16.98	-12.25/-9.5	-8.29/-8.48	-10.17/-9.14
Θ(127.5°)	-8.56/-9.73	-9.15/-10.92	-13.32/-13.18	-10.41/-9.12	-8.93/-8.59	-8.23/-8.56	-8.82/-12.19	-15.39/-17.71	-16.6/-14.1	-15.43/-17.88	-15.94/-13.04	-12.06/-11.53	-14.24/-14.06	-14.04/-14.43	-18.74/-18.26	-17.26/-12.34	-11.75/-9.35	-8.8/-10.3	-12.22/-13.05	-14.51/-16.66	-15.06/-13.28	-12.29/-12	-12.92/-13	-12.92/-13
Θ(135°)	-13.28/-13.16	-14.26/-15.36	-16.07/-14.15	-10.7/-8.64	-8.15/-8.83	-10.18/-12.35	-15.22/-16.45	-14.43/-12.48	-11.88/-13.18	-17.35/-19	-15.74/-13.05	-12.35/-12.77	-13.99/-15.89	-18.08/-18.22	-18.75/-18.97	-19.35/-16.37	-12.78/-11.04	-10.89/-12.42	-15.17/-18.67	-19.07/-18.35	-18.93/-15.39	-14.45/-14.35	-14.55/-14.34	
Θ(142.5°)	-15.3/-15.95	-17.59/-18.98	-18.21/-18.95	-15.24/-11.89	-10.81/-11.33	-12.98/-14.72	-14.6/-13.25	-12.38/-12.52	-14.36/-17.96	-17.58/-16.29	-12.33/-11.13	-11.33/-12.35	-14.32/-18.97	-19.42/-19.19	-18.9/-17.21	-17.81/-14.88	-14.24/-13.39	-13.55/-13.76	-14.12/-14.83	-15.01/-14.87	-14.5/-15.14	-18.09/-18.15	-17.25/-18.8	-18.28/-16.81
Θ(150°)	-17.43/-19.06	-18.98/-18.48	-17.65/-16.7	-18.01/-19.8	-17.15/-15	-13.78/-12.6	-11.98/-11.79	-12.38/-13.93	-17.45/-19.4	-18.42/-14.38	-12.46/-12.53	-13.83/-16.23	-17.94/-17.8	-17.83/-18.75	-17.97/-14.92	-14.02/-15.04	-16.13/-17.06	-17.9/-16.26	-18.56/-15.41	-13.15/-12.52	-13.62/-16.26	-18.64/-18.87	-17.18/-19.12	
Θ(157.5°)	-18.01/-19.22	-18.08/-18.25	-14.68/-17.94	-18.24/-18.14	-18.43/-19.27	-17.25/-15.49	-14.88/-14.58	-16.05/-19.53	-17.71/-18.09	-18.2/-17.38	-12.66/-19.21	-18.07/-17.45	-18.1/-17.35	-18.07/-18.26	-18.47/-18.37	-18.83/-16.18	-14.58/-13.73	-12.01/-11.89	-12.01/-13.39	-16.5/-16.29	-14.97/-14.21	-14.12/-14.15	-14.04/-14.64	-16.45/-19.2
Θ(165°)	-17.42/-17.52	-18.44/-17.99	-17.47/-18.91	-16.35/-14.85	-14.1/-13.85	-14.16/-15.23	-16.8/-19.16	-19/-19.19	-18.76/-17.57	-17.13/-17.98	-18.99/-18.55	-18.68/-18.38	-17.84/-18.97	-17.86/-18.7	-18.71/-17.93	-17.57/-19.43	-17.32/-15.27	-13.48/-12.45	-12.55/-14.09	-17.06/-18.88	-18.67/-17.85	-16.56/-15.11	-14.11/-14.1	-15.13/-17.05
Θ(172.5°)	-18.88/-18.48	-18.79/-19.04	-19.02/-16.98	-14.9/-13.46	-12.57/-11.98	-11.66/-11.88	-12.31/-12.87	-13.59/-14.49	-15.62/-16.84	-18.49/-17.87	-17.95/-18.3	-19.12/-18.89	-17.94/-18.88	-18.61/-19.18	-18.23/-18.07	-18.67/-18.72	-19.01/-17.81	-18.06/-17.97	-18.88/-17.28	-18.17/-17.69	-18.46/-17.82	-18.78/-18.31	-17.52/-17.51	-18.1/-19.43
Θ(180°)	-17.57/-18.19	-18.09/-18.37	-18.51/-17.78	-17.5/-18.18	-16.7/-15.49	-14.87/-14.98	-15.68/-16.98	-18.58/-18.23	-18.28/-18.52	-18.81/-17.93	-18.99/-17.78	-18.42/-17.94	-17.91/-17.51	-17.84/-19.22	-19.28/-18.37	-18.73/-18.82	-19.11/-18.12	-17.95/-17.75	-17.9/-17.5	-18.55/-18.94	-17.88/-17.54	-18.46/-18.19	-18.28/-17.85	-18.07/-18.19
Freq(Hz)	5.2GPaL	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°)	-13.27/-11.98	-10.31/-9.27	-8.68/-8.04	-5.95/-5.99	-5.63/-5.8	-6.16/-6.19	-6.72/-6.94	-7.34/-8.08	-9.48/-10.97	-11.96/-13.55	-15.59/-16.76	-16.89/-8.68	-6.98/-6.14	-6.47/-7.52	-7.95/-8.77	-9.75/-10.86	-14.74/-16.38	-17.06/-16.08						
Θ(7.5°)	-19/-17.76	-15.33/-11.67	-9.74/-9.07	-8.17/-7.36	-6.95/-6.39	-6.05/-6.88	-7.97/-7.31	-7.73/-9.81	-10.74/-11.4	-14.18/-18.62	-18.93/-18.22	-18.6/-17.07	-15.98/-13.4	-11.12/-9.06	-7.66/-7.38	-7.65/-6.82	-6.11/-6.82	-7.79/-6.03	-5.91/-7.1	-7.17/-7.12	-6.6/-7.72	-9.81/-10.52	-12.24/-14.6	-16.9/-17.89
Θ(15°)	-18.09/-18.89	-18.36/-16.28	-15.44/-14.77	-13.71/-14.88	-16.34/-14.69	-12.77/-11.78	-12.05/-10.01	-9.08/-10.96	-11.1/-11.49	-14.36/-14.42	-12.44/-11.61	-10.87/-11.4	-13.38/-15.62	-15.09/-19.92	-10.45/-9.79	-10.23/-11.87	-17.96/-16.69	-13.74/-12.73	-8.62/-6.9	-7.19/-7.25	-5.97/-5.83	-8.21/-7.14	-12.25/-12.36	-14.1/-18.37
Θ(22.5°)	-18.19/-18.49	-16.03/-14.85	-14.52/-16.46	-18.01/-13.18	-16.44/-14.18	-12.72/-14.14	-12.54/-10.43	-7.63/-7.51	-9.68/-12.3	-18.76/-17.91	-15.45/-13.69	-14.63/-14.88	-12.54/-10.34	-9.82/-11.49	-13.48/-15.36	-15.22/-13.97	-11.39/-11.4	-16.13/-17.73	-12.95/-8.1	-6.67/-6.45	-4.77/-10.73	-13.82/-14.63	-17.97/-18.19	
Θ(30°)	-18.46/-16	-16.62/-16.14	-16.11/-18.63	-18.67/-18.57	-14.78/-12.24	-11.45/-14.99	-15.92/-13.07	-12.42/-8.84	-8.5/-11.66	-14.41/-18.55	-18.72/-17.36	-17.88/-15.41	-11.17/-10.26	-12.08/-16.29	-18.55/-17.13	-12.02/-10.26	-10.38/-10.21	-11.89/-16.09	-15.1/-8	-6.37/-7.1	-7.85/-8.71	-9.74/-10.78	-10.65/-11.83	-16.78/-17.61
Θ(37.5°)	-14.72/-14.51	-16.99/-12.98	-12.19/-13.87	-14.98/-14.57	-13.98/-14.56	-13.72/-11.34	-13.92/-14.76	-16.59/-18.5	-14.66/-15.91	-15.68/-16.07	-17.57/-17.37	-18.9/-15.88	-12.17/-10.09	-9.32/-11.39	-14.38/-12.16	-12.52/-15.38	-14.63/-10.28	-12.09/-13.8	-15.23/-10.65	-8.88/-9.93	-12.2/-14.12	-12.76/-12.89	-11.72/-10.41	-14.84/-18
Θ(45°)	-9.08/-11.49	-9.89/-7.38	-7.64/-9.31	-10.63/-12.63	-17.16/-10.3	-11.67/-9.5	-7.91/-11.06	-11.81/-12.5	-15.67/-19.59	-17.84/-16.19	-17.8/-15.7	-16.86/-16.1	-14.21/-14.54	-9.73/-8.21	-9.99/-8.47	-9.07/-12.67	-13.05/-15.27	-18.73/-18.69	-18.23/-15.79	-12.32/-10.31	-10.27/-11.2	-8.36/-8.95	-12.77/-9.5	-10.44/-8.25
Θ(52.5°)	-5.95/-8.71	-8.57/-7.17	-7.44/-8.76	-9.79/-11.98	-15.06/-15.87	-13.81/-9.24	-6.07/-6.18	-8.31/-9.67	-10.68/-12.18	-11.09/-15.34	-14.28/-12.24	-17.31/-17.85	-11.41/-16.11	-11.31/-10.04	-8.41/-5.6	-5.68/-6.93	-8.81/-13.89	-19.19/-18.51	-17.94/-18.28	-18.3/-10.18	-10.22/-10.82	-8.58/-8.81	-10.84/-6.1	-6.22/-4.42
Θ(60°)	-7.05/-8.28	-8.44/-10.55	-11.91/-13.82	-12.8/-11.57	-11.53/-14.97	-13.07/-8.63	-5.3/-4.77	-6.84/-8.59	-7.87/-6.88	-7.17/-7.8	-9.04/-11.71	-16.77/-12.52	-12.67/-18.48	-13.99/-9.64	-10.02/-9.49	-8.82/-9.82	-11.5/-14.62	-17.06/-19.32	-18.42/-18.81	-19.49/-12.64	-14.04/-13.4	-10.78/-10.36	-9.38/-4.5	-4.35/-8.22
Θ(67.5°)	-9.85/-9.64	-12.18/-18.32	-18.3/-13.28	-14.78/-11.35	-10.43/-16.18	-13.67/-10.55	-5.87/-4.44	-8.48/-7.59	-9.98/-7.08	-4.57/-5.75	-7.55/-7.32	-9.83/-14.96	-10.23/-9.6	-17.26/-13.41	-11.44/-12.38	-15.09/-17.51	-18.64/-16.91	-15.17/-17.32	-19.23/-18.7	-14.75/-11.65	-14.98/-19.69	-13.3/-16.98	-7.3/-5.14	-4.56/-6.92
Θ(75°)	-11.42/-12.92	-17.85/-18.47	-17.08/-13.55	-16.81/-13.75	-11.89/-18.08	-14.61/-10.45	-6.69/-6.01	-8.46/-9.21	-9.71/-7.54	-4.65/-5.77	-6.02/-6.78	-10.85/-11.46	-8.45/-11.37	-13.89/-14.15	-14.79/-18.6	-13.02/-10.18	-16.8							



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(75°)	1.36/2.04	0.52/-2.43	-2.11/-0.94	1.25/2.21	-0.23/0.14	0/-1.3	-0.07/-1.97	3.18/2.71	1.01/2.06	2.01/1.12	2.38/2.49	1.45/-0.63	-1.52/0.26	0.69/0.81	-0.07/0.08	0.31/1.14	0.95/1.11	0.97/1.17	0.59/1.97	1.88/1.45	1.28/0.28	-1.59/-4.09	-1.66/-2.34	-2.37/-1.4	
Θ(82.5°)	0.95/1.53	0.66/-2.57	-3.16/-1.93	0.81/4.6	-0.66/-0.15	-0.14/-1.71	-1.26/1.73	2.91/98	1.05/1.49	1.39/0.14	1.36/1.64	0.16/-1.64	-1.51/-0.49	1/1.15	-0.15/-1.85	-3.02/-1.06	-0.03/1.09	2.16/0.98	0.48/2.19	2.36/-0.01	0.54/-0.71	-3.47/-6.63	-4.37/-9.23	-5.32/-1.95	
Θ(90°)	-0.10/35	-0.57/-3.68	-4.41/-2.83	0.42/0.48	-1.77/-1.23	-1.71/-1.84	-0.50/78	1.56/1.99	0.59/3.07	0.58/-0.28	0.27/-0.05	-0.57/-2.68	-2.41/-0.78	-0.18/-0.16	-1.27/-3.21	-6.89/-4.56	-1.24/0.13	1.81/05	0.44/1.84	1.57/-0.29	1.98/-2.37	-6.66/-8.48	-7.28/-5.77	-5.13/-4.5	
Θ(97.5°)	-0.91/-1.04	-0.83/-3.67	-4.86/-2.92	-0.25/-1.33	-2.81/-2.25	-2.89/-2.45	-1.23/-0.41	0.19/1.09	0.14/-1.71	-0.97/-1.98	-0.86/-1.16	-2.86/-6.38	-2.86/-1.51	-3.68/-3.02	-4.52/-5.29	-9.19/-7.48	-4.09/-1.98	1.08/-2.18	-1.68/-0.51	-0.32/-2.06	-3.89/-6.32	-10.94/-10.77	-12.38/-8.66	-8.37/-5.44	
Θ(105°)	-3.51/-2.6	-2.62/-4.92	-4.96/-3.81	-1.49/-3.12	-5.18/-5.15	-4.12/-1.76	-0.72/-1.37	-0.45/-0.02	-1.26/-2.9	-2.33/-3.64	-3.78/-7.1	-5.03/-537	-6.74/-6.21	-11.29/-10.8	-9.06/-7.1	-6.93/-11.53	-16.4/-5.49	-5.61/-5.75	-8.29/-11.96	-17.47/-13.79	-9.33/-7.14	-6.72/-5.61			
Θ(112.5°)	-3.34/-5.44	-6.75/-4.88	-6.29/-4.83	-2.8/-5.21	-8.05/-6.46	-4.51/-1.45	-0.54/-2.38	-1.47/-1.1	-3.82/-3.21	-3.27/-5.91	-5.17/-5.37	-5.5/-10.38	-7.43/-6.22	-9.12/-5.67	-6.98/-6.12	-8.28/-6.83	-15.23/-10.06	-8.2/-16.9	-12.87/-12.83	-8.86/-11.49	-7.55/-11.65	-13.1/-16.87	-9.7/-5.1	-7.04/-5.31	
Θ(120°)	-5.18/-7.46	-8.41/-14.75	-7.95/-7.25	-6.15/-6.69	-8.18/-5.6	-4.69/-4.01	-3.56/-2.7	-1.4/-1.62	-3.31/-3.88	-4.68/-0.88	-7.42/-7.45	-7.57/-11.31	-9.79/-9.21	-10.47/-8.19	-7.08/-7.85	-7.88/-9.55	-15.44/-6.23	-4.82/-10.59	-13.75/-6.9	-8.26/-5.38	-18.94/-9.72	-10.8/-17.94	-11.18/-6.99	-8.3/-5.32	
Θ(127.5°)	-10.72/-12.19	-11.16/-18.13	-12.92/-9.1	-8.68/-7.62	-10.26/-7.43	-6.44/-7.99	-6.7/-3.45	-2.73/-3.57	-6.94/-6.45	-7.6/-10.04	-12.65/-8.94	-8.77/-15.35	-10.17/-8.61	-10.28/-13.36	-11.63/-17.88	-12.85/-9.38	-14.65/-6.52	-4.44/-9.82	-13.94/-8.49	-6.92/-9.79	-17.65/-15.12	-14.61/-16.46	-16.7/-17.94	-15.56/-9	
Θ(135°)	-12.75/-19.01	-18.36/-16.61	-10.9/-7.63	-7.91/-7.88	-9.08/-10.2	-9.93/-6.91	-4.21/-4.24	-4.81/-5.51	-8.02/-6.82	-8.11/-12.22	-12.39/-16.03	-11.62/-12.03	-18.9/-18.3	-14.09/-11.86	-13.2/-18.89	-18.26/-8.47	-12.12/-12.21	-10.27/-13.68	-9.94/-11.29	-11.74/-18.15	-18.76/-18.69	-13.26/-18.65	-10.66/-10.47	-14.13/-15.78	
Θ(142.5°)	-12.03/-17.45	-18.78/-12.96	-11.57/-9.21	-11.19/-13.29	-13.65/-14.17	-11.68/-9.14	-7.5/-5.9	-4.6/-4.29	-6.49/-8.07	-12.27/-17.11	-19.17/-18.08	-17.03/-19.05	-15.04/-13.03	-12.21/-10.07	-8.75/-13.93	-12.03/-17.74	-13.4/-18.41	-9.74/-15.51	-17.49/-11.28	-8.28/-11.35	-11.37/-18.19	-11.73/-15.27	-13.66/-14.14	-13.91/-15.02	
Θ(150°)	-15.54/-18.31	-18.04/-17.15	-15.4/-14.6	-14.13/-16.08	-13.47/-9.83	-7.93/-6.47	-5.26/-5.78	-7.12/-5.77	-6.52/-7.43	-8.49/-13.51	-17.18/-14.49	-15.9/-18.38	-18/-12.6	-9.09/-9.94	-7.63/-12.94	-13.12/-14.47	-17.93/-18.61	-14.68/-14.97	-19.31/-15.67	-12.96/-17.35	-18.27/-15.71	-12.12/-13.65	-14.78/-16.82		
Θ(157.5°)	-16.57/-13.71	-13.53/-13.06	-11.84/-13.2	-12.37/-10.51	-10.7/-12.56	-11.62/-10.42	-11.86/-10.12	-8.28/-7.99	-6.5/-5	-5.65/-7.54	-11.82/-14.47	-16.13/-10.25	-17.97/-13.73	-12.24/-18.98	-19.68/-15.01	-11.02/-12.71	-16.13/-18.21	-18.98/-18.25	-13.92/-18.2	-17.71/-15.88	-18.38/-17.63	-15.12/-14.14			
Θ(165°)	-15.35/-17.44	-15.29/-15.73	-18.57/-18.95	-19.16/-18.01	-16/-13.09	-11.17/-12.05	-10.65/-9.89	-10.49/-11.13	-10.45/-11.34	-15.37/-17.02	-13.47/-11.94	-12.41/-13.14	-13.01/-13.59	-14.71/-12.99	-10.01/-11.76	-18.25/-19.15	-16.9/-18.58	-18.2/-18.13	-18.43/-18.45	-16.67/-14.84	-14.19/-14.63	-15.16/-16.63	-17.49/-18.22	-18.99/-15.27	
Θ(172.5°)	-18.34/-18.98	-18.71/-16.68	-16.54/-15.64	-14.24/-13.17	-12.11/-10.6	-10.54/-10.44	-8.91/-10.66	-11.2/-9.79	-10.28/-9.71	-9.22/-10.14	-13.7/-18.17	-17.51/-18.58	-17.69/-18.58	-18.48/-18.1	-13.76/-11.87	-12.39/-12.49	-11.71/-11.67	-10.02/-9.2	-8.54/-8.64	-8.94/-8.83	-9.92/-13.08	-17.81/-18.73	-17.71/-18.07	-18.17/-18.4	
Θ(180°)	-18.7/-19.09	-18.83/-16.8	-14.37/-13.27	-12.26/-11.1	-10.73/-9.23	-8.5/-7.91	-7.28/-6.64	-6.55/-6.87	-7.46/-9.35	-11.94/-13.67	-12.8/-18.17	-12.25/-14.26	-15.6/-18.42	-19.16/-19.3	-18.93/-18.59	-15.95/-12.24	-10.43/-11	-11.29/-10.97	-10.37/-11.13	-12.07/-11.61	-12.73/-14.86	-13.46/-12.47	-13.25/-13.62	-15.61/-17.42	
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	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°)	-14.15/-13.9	-13.97/-13.57	-11.76/-10.31	-9.53/-9.37	-9.37/-9.67	-8.78/-8.13	-6.54/-6.61	-7.42/-6.64	-6.21/-6.5	-6.59/-7.13	-8.33/-9.29	-9.85/-10.5	-12.47/-16.14	-16.82/-14.01	-11.78/-11.57	-10.27/-12.55	-10.56/-10.61	-10.9.65	-10.35/-9.63	-9.23/-9.81	-10.49/-10.66	-9.75/-10.16	-11.61/-13.69	-14.84/-15.63	
Θ(7.5°)	-14.27/-16.07	-17.11/-18.5	-17/-16.2	-15.68/-15	-13.14/-10.7	-10.02/-10.11	-10.06/-8.85	-9.13/-11.07	-11/-10.26	-10.87/-12.45	-12.23/-10.76	-10.12/-10.96	-11.84/-11.71	-10.35/-9.66	-8.84/-8.34	-8.88/-9.73	-8.28/-6.86	-7.2/-7.28	-5.99/-5.67	-5.18/-5.56	-5.64/-5.75	-6.4/-6.62	-7.09/-7.97	-9.5/-11.4	
Θ(15°)	-14.74/-16.29	-17.14/-19.01	-18.25/-19.07	-17.65/-15.15	-12.77/-11.84	-10.69/-9.3	-10.05/-9.92	-9.48/-10.21	-10.75/-10.05	-9.72/-11.01	-12.33/-11.49	-10.82/-9.93	-9.38/-8.37	-7.34/-7.18	-8.07/-9.07	-10.26/-9.39	-8.58/-9.53	-8.25/-6.27	-5.46/-3.81	-2.81/-2.98	-3.41/-3.64	-3.93/-5.4	-6.97/-7.57	-8.17/-10.55	
Θ(22.5°)	-19.21/-19.29	-14.91/-16.74	-13.76/-12.48	-14.68/-18.77	-15.99/-12.02	-13.04/-13.57	-10.01/-9.11	-10.93/-11.79	-11.67/-10.39	-8.18/-8.02	-9.6/-11.12	-11.17/-10.21	-9.99/-9.25	-7.52/-6.69	-1.76/-7.85	-10.11/-13.67	-15.59/-16.06	-10.01/-10.37	-7.01/-4.96	-3.57/-3.11	-3.92/-4.01	-4.93/-6.3	-8.15/-9.73	-11.97/-14.91	
Θ(30°)	-14.91/-13.75	-13.22/-11.55	-8.91/-8.21	-10.2/-12.38	-15.38/-17.25	-12.76/-11.2	-12.09/-9.75	-10.5/-12.86	-10.8/-10.7	-8.45/-7.63	-9.97/-15.84	-17.88/-15.32	-13.92/-9.71	-7.1/-6.75	-7.56/-9.81	-10.8/-10.64	-11.85/-15.44	-18.35/-14.45	-10.24/-6.82	-3.72/-3.45	-4.67/-5.69	-6.11/-7.11	-7.44/-7.89	-9.29/-11.54	
Θ(37.5°)	-16.83/-11.5	-8.45/-7.09	-6.38/-7.99	-10.59/-12.61	-17.21/-15.49	-11.99/-9.54	-8.07/-7.37	-7.43/-8.66	-9.02/-8.12	-9.07/-8.52	-11.71/-17.49	-18.95/-18.6	-14.22/-16.9	-6.36/-4.58	-3.87/-4.43	-4.72/-7.91	-11.9/-12.62	-14.81/-18.27	-13.53/-9.52	-7.01/-6.8	-7.55/-10.33	-9.03/-7.14	-7.46/-10.82	-15.12/-17.15	
Θ(45°)	-10.79/-7.79	-6.66/-6.82	-8.06/-10.51	-12.9/-17.95	-17.59/-17.7	-17.04/-10.78	-6.26/-9.41	-5.57/-6.94	-7.08/-4.84	-5.63/-6.8	-7.71/-14.47	-13.78/-19.1	-14.29/-10.17	-6.35/-6.8	-6.4/-6.81	-5.24/-7.78	-13.43/-18.9	-11.55/-13.1	-17.51/-18.25	-14.52/-9.91	-7.72/-5.35	-6.21/-6.93	-9.15/-18.76	-17.93/-13.51	
Θ(52.5°)	-7.48/-6.1	-6.24/-8.32	-9.69/-10.08	-14.55/-17.97	-16.23/-18.71	-18.75/-14.26	-7.54/-3.85	-4.8/-8.26	-6.92/-4.26	-3.71/-4.05	-4.52/-6.67	-11.09/-12.7	-8.71/-10.01	-8.7/-6.91	-5.95/-6.15	-5.1/-6.05	-10.04/-18.46	-16.27/-11.53	-14.37/-15.74	-13.3/-9.95	-6.84/-5.25	-5.77/-8.52	-13.93/-16.03	-8.99/-8.21	
Θ(60°)	-7.95/-6.5	-7.26/-10.15	-11.98/-9.84	-14.88/-10.97	-15.73/-15.86	-16.61/-16.05	-9.5/-4.35	-4.9/-8.24	-6.15/-4.19	-2.68/-2.89	-4.42/-3.87	-4.23/-11.15	-11.11/-7.49	-3.7/-12.94	-8.4/-8.1	-7.62/-9.07	-8.33/-12.68	-19.29/-15.67	-13.06/-13.2	-14.95/-13.22	-10.66/-10.54	-10.82/-15.1	-16.62/-10.52	-6.4/-99	
Θ(67.5°)	-6.74/-8.25	-13.61/-14.93	-11.21/-10.68	-15.65/-18.93	-14.98/-16.85	-17.44/-18.69	-9.82/-5.05	-6.82/-9.03	-7.26/-4.47	-3.08/-3.66	-3.15/-34.1	-9.8/-10.22	-9.84/-10.34	-8.6/-12.3	-13.78/-14.52	-12.7/-12.77	-18.38/-17.9	-13.45/-16.29	-17.57/-16.51	-15.88/-12.74	-16.66/-18.65	-11.35/-6.89	-5.67/-5.91		
Θ(75°)	-7.43/-9.9	-16.39/-13.69	-13.85/-14.56	-19.21/-18.76	-15.64/-16.69	-17.83/-19.12	-13.52/-7.87	-10.13/-10.41	-6.91/-6.09	-5.94/-5.42	-5.06/-5.14	-5.88/-7.38	-10.54/-10.29	-10.68/-14.04	-9.31/-13.44	-14.72/-18.16	-15.14/-12.3	-16.35/-18.16	-16.52/-14.59	-16.9/-18.77	-16.68/-13	-13.98/-16.1	-9.78/-6.69	-6.13/-6.65	
Θ(82.5°)	-9.7/-12.89	-16.31/-13.63	-13.83/-18.73	-19.13/-18.42	-17.92/-17.91	-18.05/-17.55	-12.94/-9.31	-13.39/-13.69	-9.62/-7.86	-9.67/-10.1	-7.49/-7.57	-8.23/-8.02	-13.96/-8.4	-12.92/-16.36	-11.87/-17.9	-10.64/-13.34	-18.04/-16.31	-13.35/-18.58	-19.21/-13.11	-14.36/-17.96	-18.2/-11.44	-12.34/-14.56	-9.08/-6.77	-7.74/-8.52	
Θ(90°)	-12.01/-17.9	-14.33/-13.63	-14.05/-17.68	-18.04/-19.12	-18.59/-17.35	-19.08/-18.91	-15.33/-13.09	-15.06/-16.95	-13.28/-13.28	-14.93/-16.03	-13.71/-10.51	-13.27/-9.41	-14.24/-16.15	-11.93/-13.59	-13.32/-10.77	-14.25/-17.88	-10.95/-18.21	-19.71/-13.11	-17.82/-17.94	-14.53/-12.16	-13.62/-17.76	-9.55/-8.33	-9.71/-9.35		
Θ(97.5°)	-14.9/-18.49	-12.85/-12.62	-12.86/-18.85	-17.62/-15.01	-17.8/-16.71	-19.41/-19.14	-17.07/-18.49	-16.69/-18.67	-19.03/-19.19	-18.15/-17.73	-18.27/-15.4	-15.06/-10.92	-16.22/-11.39	-13.45/-13.94	-14.33/-14.58	-11.32/-12	-13.27/-17.97	-12.62/-17.93	-18.89/-14.15	-18.14/-19.66	-15.35/-11.39	-16.86/-18.01	-10.43/-10.09	-11.88/-10.99	
Θ(105°)	-16.58/-19.04	-12/-12.35	-13.17/-18.48	-14.95/-14.58	-18.34/-19.15	-18.87/-17.03	-18.45/-19.12	-14.64/-17.88	-17.45/-18.52	-18.74/-18.49	-15.48/-18.72	-17.79/-13.22	-13.26/-13.92	-13.4/-10.82	-19.18/-12.6	-8.37/-11.69	-13.64/-17.71	-13.35/-18.02	-17.45/-19.15	-17.61/-19.26	-15.66/-14.01	-18.73/-17.37	-11.12/-12.48	-12.53/-15.25	
Θ(112.5°)	-17.62/-18.23	-13.48/-13.39	-13.45/-14.74	-14.48/-13.37	-19.05/-18.06	-17.67/-16.65	-17.71/-18.16	-17.11/-18.16	-19.11/-18.17	-17.73/-17.63	-14.92/-14.22	-16.35/-16.71	-14.93/-10.92	-17.67/-13.11	-12.12/-18.67	-11.61/-8.57	-11.94/-16.61	-18.27/-18.6	-15.21/-18.71	-18.81/-17.29	-18.05/-17.49	-18.73/-16.31	-11.22/-14.1	-15.05/-13.49	
Θ(120°)	-15.54/-13.94	-13.61/-14.25	-13.34/-14.75	-16.29/-12.64	-17.38/-18.16	-19.12/-16.64	-18.11/-18.08	-17.77/-18.81	-18.79/-13.75	-14.0															



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(120°)	-13.01/-10.7	-11.31/-12.65	-10/-8.24	-8.27/-8.53	-5.49/-5.99	-7.58/-10.47	-10.65/-7.04	-4.62/-4.3	-3.57/-5.04	-6.24/-6.01	-6.32/-8.54	-9.11/-7.61	-10.42/-18.5	-15.19/-10.38	-9.29/-11.32	-18.74/-15.99	-16.41/-10.08	-8.6/-7.28	-12.81/-9.41	-11.06/-8.92	-18.04/-10.11	-13.87/-9.54	-10.03/-14.74	-11.97/-9.14
Θ(127.5°)	-15.06/-18.01	-18.41/-18.02	-11.38/-10.72	-15.48/-11.65	-8.39/-8.82	-8.7/-7	-8.45/-8.13	-6.99/-5.39	-4.54/-7.1	-7.63/-7.07	-9.51/-7.74	-11.39/-12.42	-14.05/-11.55	-13.78/-13.09	-11.09/-12.51	-17.12/-18	-19.85/-29.7	-8.3/-12.34	-18.7/-12.91	-12.34/-18.73	-19.33/-14.57	-18.16/-19.23	-16.72/-18.75	-17.8/-14.51
Θ(135°)	-17.59/-18.45	-18.04/-15.41	-14.7/-14.52	-14.7/-12.66	-8.57/-7.62	-9.06/-10.86	-11.86/-9.68	-8.3/-6.54	-6.84/-6.52	-7.19/-10.66	-17.9/-10.94	-16.13/-11.08	-11.36/-13.39	-18.26/-14.69	-9.95/-17.76	-18.67/-17.92	-11.28/-18.23	-13.22/-18.76	-17.17/-11.51	-11.98/-18.18	-15.96/-18.454	-17.52/-15.51	-13.97/-18.01	
Θ(142.5°)	-16.87/-18.17	-18.58/-16.67	-13.87/-12.76	-14.33/-11.56	-9.69/-10.97	-13.3/-13.89	-11.7/-9.81	-9.66/-9.63	-8.95/-7.51	-7.75/-11.13	-13.31/-17.66	-15.38/-14.72	-18.66/-12.56	-14.9/-18.43	-14.17/-9.65	-16.78/-18.75	-18.27/-16.75	-9.13/-13.44	-18.09/-11.79	-9.67/-16.36	-18.84/-10.51	-10.12/-12.59	-13.75/-18.86	-12.58/-13.99
Θ(150°)	-17.32/-18.97	-17.27/-16.25	-15.53/-14.04	-13.22/-15.62	-16.41/-15.59	-18.91/-19.05	-15.25/-13.79	-11.98/-11.48	-9.54/-8.62	-8.21/-8.08	-12.87/-18.1	-17.52/-18.14	-19.1/-17.61	-18.38/-15.74	-11.98/-14.58	-18.87/-13.09	-16.46/-19.18	-15.26/-18.32	-18.6/-17.91	-18.23/-18.45	-17.17/-18.26	-18.56/-16.42	-17.36/-17.42	-17.72/-18.86
Θ(157.5°)	-17.17/-19.28	-17.21/-15.67	-17.27/-18.74	-18.88/-18.74	-16.89/-17.24	-15.84/-17.73	-14.41/-12.57	-11.19/-10.23	-10.08/-11.91	-13.09/-11.18	-11.76/-14.68	-18.8/-18.72	-18.19/-17.69	-18.71/-13.94	-15.73/-18.33	-19.56/-16.32	-19.27/-18.44	-17.29/-15.93	-15.27/-16.41	-19.02/-16.93	-19.67/-17.91	-17.83/-18.05	-17.25/-19.15	-18.05/-16.91
Θ(165°)	-19.69/-18.68	-18.18/-18.14	-18.35/-19.05	-14.39/-12.74	-12.06/-11.29	-11.27/-11.99	-11.52/-11.66	-11.82/-9.89	-9.5/-9.43	-10.8/-16.08	-17.46/-15.65	-17.13/-17.73	-17.47/-18.19	-17.84/-15.92	-17.17/-17.17	-16.8/-17	-18.12/-16.65	-14.63/-14.06	-11.56/-10.82	-11.21/-11.32	-12.38/-15.16	-17.77/-18.59	-17.21/-19.27	-16.75/-19.2
Θ(172.5°)	-18.16/-15.83	-17.21/-17.98	-18.99/-18.22	-18.11/-18.76	-15.63/-13.34	-13.6/-13.7	-13.39/-13.54	-14.19/-16.22	-14.22/-14.13	-12.3/-11.55	-13.14/-17.76	-18.64/-17.6	-18.18/-17.9	-17.7/-18.19	-18.75/-19.01	-18.38/-18.89	-18.76/-16.86	-17.89/-16.35	-13.92/-13.65	-13.48/-14.85	-17.73/-18	-18.94/-17.47	-18/-18.26	-18.43/-18.22
Θ(180°)	-17.96/-18.62	-18.14/-17.88	-18.49/-15.76	-14.38/-14.69	-15.02/-14.17	-14.59/-13.6	-12.43/-12.13	-13.3/-14.72	-17.73/-17.61	-17.31/-17.06	-15.71/-15.79	-17.18/-19.21	-17.64/-18.97	-18.11/-19.23	-17.75/-16.82	-14.46/-14.95	-12.12/-11.21	-11.49/-12.52	-14.13/-15.1	-14.81/-14.61	-15.23/-15.03	-17.2/-18.59	-17.73/-18.76	
Freq(Hz)	2.450/Pol.	Phi/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°)	-3.19/-3.9	-4.8/-5.78	-7.16/-9.02	-11.39/-13.88	-15.08/-13.35	-10.45/-8.1	-5.97/-4.43	-3.34/-2.67	-1.98/-0.53	0.15/0.99	0.06/-0.26	-1.7/-2.11	-2.66/-3.54	-4.63/-5.68	-7.06/-9	-11.72/-13.73	-12.36/-10.21	-8.6/-15	-3.21/-2.64	-1.57/-1.57	-1.63/-1.83	-2.13/-2.57		
Θ(7.5°)	-3.55/-4.33	-5.22/-6.27	-7.57/-9.2	-10.98/-12.44	-12.81/-11.55	-9.52/-7.35	-5.62/-4.29	-3.58/-2.89	-2.22/-1.74	-0.31/-28	3.56/1.32	-0.28/-1.68	-2.26/-3.16	-4.22/-5.58	-7.33/-9.73	-13.34/-17.34	-15.75/-11.9	-8.87/-6.56	-4.83/-3.67	-2.95/-2.44	-2.02/-1.74	-1.65/-1.74	-1.84/-2.11	-2.48/-2.94
Θ(15°)	-4.05/-4.7	-5.46/-6.37	-7.6/-9.21	-10.9/-10.7	-12.27/-11.44	-10.14/-9.24	-8.23/-7	-6.4/-39	-4.02/-3.13	-2.17/-1.71	-1.63/-1.46	-1.63/-1.7	-2.22/-3.17	-4.38/-6.11	-8.3/-11.38	-16.99/-18.55	-19.43/-13.61	-10.44/-8.07	-6.2/-8.4	-3.97/-3.37	-2.87/-2.55	-2.43/-2.48	-2.62/-2.89	-3.21/-3.6
Θ(22.5°)	-3.93/-3.97	-4.31/-5.12	-6.58/-8.44	-10.37/-11.5	-12.57/-11.26	-10.85/-10.48	-10.1/-9.44	-8.58/-7.65	-6.63/-5.29	-4.09/-3.14	-2.55/-2.18	-2.07/-1.94	-2.46/-3.48	-5.22/-7.73	-11.15/-15.58	-19.09/-18.66	-15.33/-13.92	-11.86/-10.42	-8.6/-6.97	-5.72/-4.82	-4.22/-3.89	-3.69/-3.7	-3.8/-3.93	-3.98/-3.99
Θ(30°)	-2.62/-2.19	-2.33/-3.2	-4.78/-6.86	-8.79/-9.66	-9.74/-10	-10.87/-12.37	-14.55/-15.33	-14.53/-12.29	-9.83/-7.56	-5.83/-4.68	-3.89/-3.24	-2.76/-2.59	-2.9/-4	-6.26/-9.71	-13.89/-16.01	-14.85/-13.54	-12.91/-13.01	-14.31/-15.14	-13.08/-10.12	-7.77/-6.33	-5.45/-4.95	-4.49/-4.09	-3.93/-3.93	-3.68/-3.16
Θ(37.5°)	-1.74/-1.31	-1.55/-2.54	-4.18/-6.25	-8.04/-8.61	-8.69/-4.3	-11.3/-13.47	-13.58/-12.47	-11.49/-10.42	-8.78/-7.2	-5.99/-5.41	-4.96/-4.2	-3.84/-3.54	-4.16/-5.79	-8.62/-12.06	-12.46/-11.3	-15.52/-10.39	-11.31/-13.26	-16.75/-18.9	-14.74/-13.7	-9.22/-7.41	-6.32/-5.37	-4.33/-3.56	-3.24/-3.26	-3.02/-2.45
Θ(45°)	-2.55/-2.36	-2.22/-2.6	-5.08/-7.07	-8.51/-8.46	-8.35/-9.34	-11.29/-11.82	-9.83/-8.14	-7.72/-7.82	-7.1/-5.96	-5.25/-5.27	-5.88/-5.96	-5.25/-5.03	-5.64/-7.13	-9.28/-10.36	-9.77/-8.94	-8.59/-9.5	-11.79/-14.45	-18.91/-17.92	-19.26/-13.1	-6.04/-4.9	-3.82/-3.08	-3.04/-3.46	-3.77/-3.22	
Θ(52.5°)	-4.6/-4.06	-3.64/-3.65	-4.62/-6.21	-7.47/-7.63	-8.06/-9.58	-11.67/-11.72	-9.55/-7.86	-7.41/-7.48	-6.6/-5.03	-4.43/-5.04	-6.39/-6.96	-6.52/-6.96	-7.97/-9.36	-9.39/-8.55	-8.7/-7.74	-8.03/-9.44	-12.35/-16.36	-18.45/-18.31	-19/-13.4	-8.84/-6.31	-4.96/-4.07	-3.5/-3.47	-4.29/-5.64	-6.13/-5.41
Θ(60°)	-4.71/-3.7	-2.66/-2.38	-3.39/-5.63	-8.3/-10.2	-12.1/-15.46	-18.66/-19.22	-14.38/-11.61	-11.77/-15.58	-10.1/-7.13	-5.06/-5.49	-6.77/-7.67	-6.79/-7.72	-9.35/-10.72	-8.81/-7.51	-7.42/-7.73	-8.13/-9.53	-11.68/-12.41	-16.59/-18.24	-18.94/-16.24	-8.58/-5.96	-4.89/-4.66	-4.76/-5.36	-6.84/-6.69	-7.99/-5.75
Θ(67.5°)	-5.48/-5.16	-4.45/-3.74	-5.09/-6.64	-14.12/-17.94	-17.68/-18.31	-18.34/-16.14	-12.52/-10.71	-10.55/-11.69	-12.38/-5	-6.12/-6.47	-8.84/-8.75	-10.57/-6.1	-11.31/-11.8	-8.4/-7.75	-8.41/-8.6	-8.55/-9.13	-11.26/-14.14	-16.48/-18.83	-18.62/-12.27	-8.2/-6.11	-5.58/-5.84	-6.34/-6.87	-8.07/-9.13	-7.64/-5.9
Θ(75°)	-8.93/-9.87	-7.51/-5.99	-7.23/-11.14	-13.81/-13.73	-18.05/-19.03	-17.83/-17.89	-12.78/-11.06	-11.63/-13.07	-15.58/-11.74	-7.54/-7.35	-9.73/-10.05	-7.37/-7.64	-11.41/-12.18	-8.94/-8.36	-9.31/-9.59	-8.97/-9.45	-12.06/-16.45	-17.33/-17.44	-17.51/-13.11	-9.49/-7.63	-7.34/-8.07	-8.22/-7.6	-8.31/-10.19	-9.62/-8.44
Θ(82.5°)	-10.5/-8.12	-8.6/-07	-7.6/-12	-14.67/-13.6	-17.27/-18	-17.01/-18.07	-17.35/-15.29	-16.1/-16.42	-17.82/-10.73	-10.07/-10.34	-16.01/-12.94	-8.81/-10	-15.32/-11.49	-8.11/-7.44	-8.92/-10.28	-10.33/-11.71	-15.73/-18.39	-18.97/-18.54	-17.6/-18.94	-14.23/-11.44	-10.78/-10.51	-8.91/-7	-8.55/-10.95	-10.23/-9.86
Θ(90°)	-12.17/-13.88	-7.97/-5.94	-7.75/-12.31	-12.28/-12.4	-17.68/-16.48	-15.94/-18.65	-15.77/-14.78	-15.4/-13.69	-16.42/-18.42	-12.13/-10.72	-15.51/-17.55	-12.52/-12.38	-18.07/-16.72	-10.31/-8.97	-10.50/-12.29	-13.25/-14.47	-18.85/-17.92	-17.67/-18.84	-17.36/-17.77	-14.45/-11.43	-9.62/-8.85	-7.92/-7.31	-8.61/-12.11	-12.65/-10.76
Θ(97.5°)	-12.22/-13.1	-7.86/-5.86	-7.92/-13.41	-14.64/-13.88	-18.33/-18.08	-18.21/-18.46	-19.35/-18.45	-18.49/-13.67	-15.06/-18.41	-11.89/-10.13	-16.01/-18.51	-11.47/-10.52	-15.96/-14.54	-9.57/-8.54	-9.96/-13.05	-14.52/-15.75	-19.63/-18.91	-16.34/-17.94	-18.14/-18.68	-15.49/-11.74	-9.86/-9.23	-8.45/-8.34	-10.49/-15.78	-15.48/-12.22
Θ(105°)	-12.16/-14.83	-10.09/-7.46	-9.86/-17.41	-14.62/-13.74	-18.91/-18.64	-17.46/-18.6	-18.46/-17.82	-18.1/-14.09	-15.79/-17.99	-12.66/-10.89	-15.65/-18.63	-9.88/-8.64	-11.83/-12.92	-9.75/-9.21	-10.51/-13.42	-15.03/-14.59	-14.97/-17.78	-19.04/-18.91	-18.04/-18.9	-15.42/-11.92	-10.02/-9.37	-8.82/-9.44	-11.37/-15.97	-13.72/-11.36
Θ(112.5°)	-11.93/-15.22	-10.47/-7.76	-10.14/-18.54	-15.55/-14.97	-17.18/-18.79	-15.86/-18.84	-18.37/-18.29	-15.74/-13.43	-17.77/-18.19	-11.27/-10.31	-15.8/-16.05	-9.5/-9.16	-13.52/-13.08	-11.28/-10.68	-11.67/-14.68	-14.69/-12.84	-13.32/-16.13	-18.77/-18.42	-17.19/-17.79	-18.75/-15.27	-13.19/-12.59	-11.40/-10.53	-12.03/-13.25	-10.72/-9.99
Θ(120°)	-12.95/-19.39	-12.84/-9.39	-11.27/-17.87	-14.5/-14.18	-17.31/-18.38	-17.79/-19.21	-19.18/-18.49	-18.14/-16.93	-17.75/-14.47	-9.67/-9.02	-12.98/-18.73	-11.77/-11.08	-16.08/-19	-15.77/-11.48	-15.68/-15.53	-17.01/-12.57	-14.15/-16	-18.73/-18.16	-17.15/-17.54	-18.29/-18.92	-13.78/-10.49	-8.56/-8.46	-10.07/-11.65	-10.59/-10.44
Θ(127.5°)	-12.38/-11.79	-8.09/-6.51	-7.79/-11.57	-14.26/-16.32	-18.78/-19.23	-14.35/-13.36	-13.95/-15.35	-17.43/-19.1	-17.7/-12.79	-8.83/-9.13	-10.14/-15.05	-13.13/-13.82	-17.95/-18.65	-13.58/-11.07	-12.28/-18.01	-18.96/-18.05	-16.19/-16.05	-16.91/-16.45	-17.36/-17.5	-18.67/-15.96	-11.59/-9.41	-9.03/-10.94	-15.08/-15.07	-11.05/-10.13
Θ(135°)	-7.32/-7.9	-6.95/-6.21	-7.42/-10.65	-15.33/-18.25	-18.96/-17.05	-13.31/-10.92	-9.99/-9.82	-10.81/-13.81	-19.1/-14.9	-9.98/-8.16	-9.6/-13.28	-14.44/-14.38	-16.25/-17.21	-15.48/-13.77	-13.98/-17.75	-18.6/-19.7	-13.67/-13.57	-14.19/-14.7	-15.69/-18.62	-18.6/-18.19	-16.64/-13.12	-12.03/-12.24	-11.06/-8.8	-7.18/-6.79
Θ(142.5°)	-8.2/-9.99	-11.01/-11.42	-12.46/-14.36	-15.79/-16.36	-18.28/-19	-16.51/-13.55	-10.22/-10.73	-10.48/-8.43	-6.29/-5.61	-6.63/-10.37	-13.86/-15.54	-17.94/-17.29	-18.08/-18.67	-17.96/-17.71	-19.23/-19.47	-16.64/-15.9	-17.17/-18.44	-18.46/-17.22	-14.96/-12.49	-11.42/-10.58	-8.99/-7.73	-7.37/-6.66		
Θ(150°)	-11.57/-15.08	-18.21/-18.19	-17.68/-13.96	-12.12/-12.08	-13.94/-18.92	-19.15/-18.84	-15.25/-13.68	-12.68/-11.34	-9.27/-7.15	-5.97/-5.75	-6.79/-8.43	-9.89/-11.17	-11.04/-11.62	-9.82/-9.35	-9.72/-10.58	-11.15/-12.31	-13.85/-16.11	-18.69/-19.17	-18.74/-19	-18.04/-18.44	-17.93/-18.32	-16.4/-13.31	-10.38/-8.88	-8.69/-8.93
Θ(157.5°)	-16.28/-18.68	-17.68/-18.14	-14.12/-14.91	-11.36/-12.17	-14.53/-19.04	-18.28/-16.86	-13.59/-12.51	-12.71/-12.69	-8.57/-8.19	-8.47/-9.49	-10.27/-10.33	-10.18/-9.86	-9.03/-8.15	-7.66/-7.7	-8.09/-8.24	-10.81/-16.88	-12.8/-13.63	-14.3/-15.42	-16.83/-19.22	-17.84/-17.9	-18.47/-17.17	-13.06/-11.23	-11.14/-12.81	
Θ(165°)	-16.29/-17.9	-17.21/-17.18	-15.89/-15.19	-16.58/-17.59	-1																			



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(172.5°)	-18.07/-17.96	-18.75/-18.59	-18.63/-13.15	-11.83/-10.96	-10.96/-11.7	-12.91/-14.24	-15.53/-17.39	-18.17/-18.62	-17.81/-14.76	-13.37/-12.8	-11.87/-12.57	-14.68/-15.66	-16.29/-18.06	-18.42/-17.5	-18.85/-17.61	-17.79/-18.68	-17.41/-17.32	-17.33/-15.09	-13.94/-14.14	-13.78/-13.12	-11.75/-11.23	-10.87/-11.78	-14.5/-17.04	-17.81/-18.12
Θ(180°)	-17.62/-18.41	-18.36/-17.52	-18.62/-17.74	-16.31/-14.85	-13.97/-13.68	-13.21/-12.42	-12.3/-13.13	-14.3/-15.22	-15.09/-15.8	-18.68/-18.77	-18.42/-17.87	-18.12/-18.64	-17.19/-19.39	-15.86/-14.74	-13.39/-11.83	-10.57/-9.96	-9.19/-9.07	-9.26/-9.32	-9.64/-9.63	-9.61/-10	-10.56/-11	-12.01/-13.57	-15.77/-17.88	-17.5/-18.84
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°)	-8.98/-8.25	-7.58/-6.83	-6.93/-7.06	-6.81/-6.95	-7.25/-7.57	-7.66/-7.81	-8.69/-9.27	-9.81/-10.27	-10.38/-10.8	-10.53/-10.44	-10.68/-10.41	-9.95/-10.14	-9.8/-8.52	-7.21/-6.5	-6.85/-5.12	-4.71/-4.88	-4.88/-4.43	-4.31/-4.58	-4.75/-4.8	-5.33/-6.44	-7.68/-8.61	-9.21/-10.36	-11.08/-11.22	-10.58/-9.63
Θ(7.5°)	-8.6/-8.16	-7.37/-6.65	-6.33/-5.36	-4.37/-3.73	-3.34/-3.15	-3.34/-3.36	-3.98/-4.49	-5.45/-6.05	-7.08/-8.2	-9.36/-10.52	-12.05/-11.89	-11.99/-11.78	-10.4/-9.5	-9/-8.99	-9.16/-9.07	-9.08/-9.47	-8.87/-8.55	-8.35/-8.74	-9.33/-9.89	-9.61/-9.76	-10.09/-10.24	-10.01/-10.31	-10.62/-10.22	-9.22/-8.56
Θ(15°)	-14.63/-12.81	-10.91/-9.36	-7.96/-7.35	-6.16/-5.14	-4.24/-3.94	-4.34/-4.76	-5.34/-5.33	-5.17/-5.54	-6.05/-6.3	-7.19/-8.06	-9.41/-10.9	-12.92/-14.31	-13.55/-11.94	-10.56/-10.47	-11.06/-11.54	-10.14/-8.7	-6.86/-5.39	-4.34/-3.88	-4.12/-5.3	-6.4/-7.7	-11.78/-13.2	-15.31/-16.33	-15.89/-15.09	
Θ(22.5°)	-17.08/-15.64	-12.33/-10.36	-9.12/-9.27	-8.89/-8.94	-9.51/-9.95	-9.47/-10.41	-11.21/-12.38	-11.76/-10.42	-8.89/-7.52	-7.55/-7.87	-8.42/-9.8	-12.07/-15.06	-15.31/-13.76	-12.96/-13.3	-13.13/-11.95	-9.98/-8.04	-6.59/-5.69	-4.68/-3.93	-3.79/-4.25	-5.71/-8.13	-10.67/-14.17	-17.43/-18.66	-18.34/-18.34	-19.03/-17.96
Θ(30°)	-14.57/-12.25	-11.46/-11.29	-10.61/-9.84	-9.99/-10.79	-11/-10.89	-12.05/-10.26	-9.62/-10.98	-17.17/-18.68	-11.74/-9.18	-8.43/-9.04	-9.77/-10.95	-12.6/-15.52	-16.34/-15.55	-15.46/-10.75	-5.43/-5.82	-7.33/-8.24	-8.86/-9.44	-9.47/-9.21	-9.94/-10.53	-12.33/-17.66	-19.08/-18.38	-19/-19.4	-18.33/-18.01	
Θ(37.5°)	-13.71/-11.67	-9.87/-11.73	-14.36/-16.29	-15.37/-11.18	-7.58/-6.28	-7.48/-9.24	-9.52/-12.21	-18.85/-18.24	-13.98/-9.25	-6.35/-9.59	-10.55/-10.72	-12.48/-15.65	-18.67/-17.65	-11.12/-6.68	-4.88/-4.68	-5.8/-7.72	-9.67/-11.25	-13.25/-13.8	-15.61/-18.32	-18.34/-11.85	-9.94/-11.02	-13.31/-18.83	-18.83/-19.06	-18.75/-15.45
Θ(45°)	-12.91/-12.47	-10.43/-13.66	-12.77/-11.99	-13.5/-12.38	-9.24/-6.68	-6.23/-9.02	-13.07/-13.7	-11.84/-13.28	-18.44/-10.3	-8.62/-10.72	-11.89/-11.2	-12.69/-13.58	-17.95/-17.55	-12.73/-9.69	-8.86/-8.05	-8.46/-10.94	-13.51/-17.85	-18.81/-16.38	-14.23/-15.01	-14.78/-12.1	-11.02/-12.08	-12.57/-12.96	-12.34/-15.49	-17.74/-11.31
Θ(52.5°)	-13.98/-12.41	-7.89/-8.07	-7.81/-9.04	-11.66/-12.34	-15.28/-11.25	-7.78/-8.03	-8.85/-10.65	-8.66/-8.42	-12.92/-8.55	-8.04/-11.44	-11.29/-11.74	-19.2/-17.98	-14.36/-12.38	-16.47/-15.73	-13.07/-9.86	-9.22/-9.71	-11.28/-13.84	-13.88/-12.46	-10.11/-12.76	-15.2/-11.65	-13.11/-14.24	-9.31/-10.71	-17.6/-10.14	
Θ(60°)	-9.85/-14.89	-9.34/-7.05	-7.46/-7.95	-9.5/-12.25	-14.02/-19.14	-13.32/-10.78	-8.25/-9.78	-13.06/-12.56	-10.73/-10.13	-9.09/-12.96	-13.95/-12.81	-11.59/-12.77	-12.54/-9.17	-14.01/-17.52	-17.43/-15.87	-13.37/-11.17	-11.37/-13.1	-14.04/-14.35	-18.36/-19.08	-11.82/-10.57	-9.46/-10.53	-12.02/-11.57	-10.51/-9.11	-9.6/-7.31
Θ(67.5°)	-11.44/-15.95	-9.47/-6.75	-7.81/-8.78	-10.69/-13.73	-12.56/-18.43	-18.96/-15.35	-9.14/-9.6	-16.68/-16.61	-17.58/-15.56	-11.02/-14.38	-13.65/-10.4	-10.23/-10.35	-8.57/-7.61	-11.63/-17.86	-16.71/-11.93	-13.7/-12.09	-11.09/-11.3	-12.69/-15.8	-18.18/-17.14	-12.06/-11.81	-9.45/-9.19	-8.74/-7.58	-7.76/-8.09	-10.18/-6.87
Θ(75°)	-10.28/-16.91	-14.8/-9.75	-9.85/-10.6	-14.4/-18.15	-12.68/-18.33	-14.2/-10.71	-8.05/-12.3	-18.44/-16.42	-18.78/-19.08	-14.55/-10.86	-12.87/-9.04	-9.52/-10.03	-9.85/-10.12	-14.93/-16.69	-12.17/-11.12	-15.34/-13.95	-14.03/-15.34	-17.15/-15.84	-15.59/-13.2	-13.04/-10.37	-9.96/-9.91	-10.74/-10.16	-9.36/-9.36	-9.26/-9.57
Θ(82.5°)	-10.37/-17.6	-13.72/-11.15	-13.43/-10.3	-12.33/-18.27	-14.94/-18.89	-17.81/-12.3	-14.46/-18.37	-16.25/-10.72	-16.1/-17.57	-16.34/-15.12	-12.51/-9.95	-10.55/-10.73	-9.58/-9.61	-15.15/-11.52	-8.83/-10.4	-13.47/-14.22	-17.12/-16.82	-18.59/-17.06	-14.98/-12.81	-13.85/-13.57	-10.15/-10.4	-11.35/-10.66	-8.66/-9.9	-10.08/-8.28
Θ(90°)	-12.31/-17.74	-17.97/-11.95	-13.99/-11.01	-19.18/-18.63	-16.03/-18.4	-18.67/-16.1	-14.1/-17.93	-13.96/-9.37	-16.1/-15.44	-14.35/-18.48	-11.73/-10.25	-10.93/-11.31	-9.44/-10.43	-15.5/-9.58	-8.92/-12.28	-16.52/-16.46	-17.08/-18.22	-18.81/-18	-12.69/-13.36	-17.86/-17.94	-13.17/-13.91	-14.77/-12.49	-9.22/-9.78	-8.92/-8.44
Θ(97.5°)	-8.85/-11.47	-14.37/-18.65	-13.83/-9.35	-14.42/-15.59	-16.1/-18.55	-18.04/-11.55	-17.76/-16.52	-11.54/-10.54	-15.64/-12.83	-16.25/-16.22	-10.97/-10.48	-11.11/-11.63	-9.66/-9.67	-11.87/-9.05	-10.44/-12.97	-16.18/-17.37	-18.32/-18.61	-18.53/-18.28	-15.97/-16.88	-18.95/-18.78	-19.42/-18.79	-19.01/-17.61	-12.76/-12.82	-10.58/-8.37
Θ(105°)	-11.86/-9.78	-11.02/-15.65	-18.97/-12.81	-14.2/-15.03	-16.52/-18.82	-13.9/-15.11	-18.74/-12.11	-12.59/-11.82	-12.87/-12.87	-18.8/-13.83	-11.58/-11.68	-10.19/-11.67	-9.15/-9.54	-10.34/-7.97	-10.14/-16.01	-18.16/-17.79	-17.98/-17.78	-18.18/-19.14	-16.46/-19.36	-18.47/-17.6	-19/-19.65	-15.07/-13.97	-12.54/-11.1	-14.39/-13.69
Θ(112.5°)	-13.92/-15.49	-17.37/-13.65	-13.53/-16.77	-14.23/-16.37	-17.05/-18.3	-14.33/-18.15	-17.21/-12.85	-14.42/-13.08	-14.59/-19.5	-18.73/-13.35	-12.39/-11.61	-9.83/-10.76	-10.23/-11.43	-10.35/-9.04	-11.44/-16.5	-19.12/-16.13	-19.34/-17.74	-17.94/-18.09	-19.51/-17.86	-17.97/-17.97	-17.67/-17.53	-17.48/-15.83	-11.49/-11.15	-10.18/-11.19
Θ(120°)	-9.15/-10.01	-10.22/-17.21	-17.44/-17.48	-16.58/-12.23	-18.7/-17.93	-16.34/-18.18	-19.01/-14.46	-13.99/-18.21	-18.62/-17.89	-15.27/-9.27	-14.08/-13.75	-9.86/-10.58	-11.74/-14.57	-10.9/-9.93	-14.61/-17.33	-16.33/-17.72	-18.98/-17.62	-17.46/-18.37	-17.89/-17.35	-15.88/-17.52	-17.67/-18.96	-17.91/-18.19	-18.98/-14.72	-12.98/-9.41
Θ(127.5°)	-12.47/-16.4	-12.78/-15.49	-16.63/-17.43	-19.48/-17.69	-16.2/-18.61	-14.66/-18.44	-18.21/-18.76	-17.54/-17.95	-19.84/-16.33	-10.63/-9.08	-13.63/-11.62	-9.64/-10.75	-11.06/-8.58	-8.27/-13.52	-15.23/-17.81	-18.77/-18.59	-17.59/-18.29	-17.79/-18.87	-18.8/-17.11	-18.75/-18.22	-18.02/-17.69	-18.1/-14.07	-10.92/-17.92	-12.73/-12.9
Θ(135°)	-14.23/-16.41	-18.48/-19.16	-14.15/-16.54	-18.05/-18.46	-18.26/-18.36	-14.91/-18.85	-13.87/-16.87	-17.76/-14.3	-12.11/-11.48	-14.86/-16.29	-16.12/-11.96	-14.22/-13.14	-13.67/-13.48	-11.11/-10.23	-15.24/-18.93	-14.46/-16.18	-17.64/-16.93	-16.76/-19.16	-18.97/-18.23	-18.16/-18.8	-17.64/-16.52	-14.42/-11.92	-18.84/-13.24	
Θ(142.5°)	-16.44/-16	-15.68/-17.23	-16.58/-18.53	-17.28/-18.92	-18.07/-18.91	-18.89/-14.96	-13.1/-15.47	-13.97/-14.36	-16.06/-11.56	-11.36/-11.85	-11.11/-12.53	-14.58/-16.13	-18.9/-18.2	-17.36/-19.13	-18.75/-17.79	-18.75/-17.12	-17.21/-19.08	-18.11/-18.3	-18.84/-18.74	-18.87/-18.29	-18.53/-17.17	-16.18/-15.05	-15.12/-11.92	-12.59/-15.9
Θ(15°)	-13.19/-11.97	-12.79/-15.12	-17.61/-18.17	-18.48/-18	-18.13/-17.6	-18.39/-12.58	-13.78/-18.65	-13.75/-13.1	-18.39/-19.68	-16.89/-13.35	-11.98/-13.33	-15.54/-13.01	-11.56/-14.65	-15.1/-13.93	-14.98/-16.84	-17.36/-18.36	-19.25/-17.34	-17.91/-18.5	-17.7/-17.94	-17.91/-19.85	-18.47/-17.4	-18.38/-18.43	-14.83/-14.05	-14.51/-13.6
Θ(157.5°)	-14.1/-14.55	-15.63/-17.61	-19.19/-17.27	-19.04/-17.25	-16.99/-17.66	-17.96/-18.93	-18.17/-17.51	-13.87/-17.23	-17.66/-16.68	-18.49/-18.36	-18.57/-18.8	-19.13/-17.7	-13.66/-15.3	-10.22/-15.56	-14.42/-16.77	-19.31/-18.99	-17.67/-18.28	-18.98/-18.19	-18.43/-18.98	-18.02/-16.82	-18.14/-17.88	-18.32/-18.52	-14.42/-11.92	-16.84/-13.24
Θ(165°)	-18.47/-18.04	-14.12/-13.35	-14.01/-15.21	-17.35/-17.93	-17.24/-16.07	-14.86/-14.71	-15.08/-15.82	-15.8/-18.43	-17.25/-14.48	-15.78/-19.16	-19.04/-18.98	-17.78/-18.13	-14.66/-13.66	-13.02/-15.6	-17.95/-17.66	-18.04/-18.27	-17.72/-18.11	-17.92/-18.72	-18.95/-18.31	-18.32/-16.25	-13.58/-12.7	-13.47/-16.46	-17.87/-15.39	-14.84/-17.38
Θ(172.5°)	-13.38/-13.5	-14.7/-15.8	-16.47/-16.77	-17.28/-18.24	-17.9/-17.85	-18.42/-18.15	-18.22/-18.82	-18.57/-19.27	-17.98/-19.04	-18.2/-17.29	-18.28/-19.1	-17.4/-18.03	-18.63/-18.12	-18.16/-17.57	-17.61/-18.91	-18.21/-18.61	-18.73/-18.18	-19/-18.53	-18.01/-17.97	-17.25/-18.09	-18.64/-17.94	-18.54/-16.75	-15.21/-13.87	-13.2/-13.26
Θ(180°)	-12.03/-11.88	-12.43/-12.54	-12.81/-11.38	-12.48/-13.7	-14.85/-17.67	-17.55/-18.61	-18.71/-18.21	-18.07/-18.7	-17.88/-17.11	-16.23/-14.82	-13.75/-13.44	-18.26/-11.82	-11.62/-11.51	-10.87/-10.97	-12.15/-12.67	-18.72/-18.98	-18.02/-18.91	-18.85/-17.79	-16.81/-14.99	-13.61/-13.28	-13.64/-13.83	-14.42/-12.76		
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(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°)	-5.75/-6.4	-7.17/-6.64	-8.28/-8.9	-10.1/-16	-12.61/-12.5	-11.7/-10.44	-10.16/-9.93	-10.28/-9.89	-9.11/-8.12	-7.48/-6.74	-6.46/-6.45	-6.48/-6.23	-6.21/-6.43	-6.31/-6.26	-7.79/-7.76	-7.77/-7.78	-7.96/-8.37	-8.22/-7.72	-7.56/-7.47	-7.03/-6.43	-5.41/-5.4	-5.06/-5.09	-5.31/-5.49	
Θ(7.5°)	-5.25/-5.02	-4.71/-4.45	-4.48/-4.4	-4.54/-5	-5.3/-5.53	-6.19/-6.23	-6.23/-5.69	-5.92/-5.91	-5.61/-4.85	-4.68/-4.52	-4.85/-5.3	-5.74/-6.35	-7.1/-7.9	-8.41/-9.2	-10.63/-12.19	-12.54/-14.25	-12.74/-14	-14.39/-12.66	-11.75/-11.48	-12.28/-11.81	-11.78/-10.85	-9.48/-8.44	-7.17/-6.74	-6.15/-6.



Radiated Composite Gain Data of Radio 1 2.4GHz and 5GHz-4TX (EUT 1)

Appendix B

Θ(15°)	-18.57/-18.49	-17.92/-14.66	-10.87/-8.24	-5.71/-3.83	-2.69/-1.95	-1.47/-1.51	-1.5/-1.84	-2.2/-2.83	-3.46/-4.08	-5.58/-7.04	-9.28/-11.89	-15.11/-18.32	-18.74/-18.35	-18.7/-16.08	-11.73/-8.35	-5.43/-3.84	-2.68/-2.16	-1.75/-1.2	-0.88/-0.63	-0.88/-1.36	-2/-2.84	-3.92/-5.46	-7.42/-10.39	-14.89/-18.04
Θ(22.5°)	-18.71/-19.01	-14.11/-11.16	-10.36/-9.46	-8.78/-7.57	-6.1/-4.81	-4.15/-3.87	-4.25/-4.87	-5.59/-5.63	-5/-5.11	-6.41/-9	-12.6/-16.21	-17.15/-15.67	-15.65/-14.42	-12.47/-10.42	-8.39/-6.5	-4.9/-3.93	-3.31/-3.27	-3.46/-3.18	-2.88/-2.01	-2.07/-2.55	-3.68/-5.27	-7.06/-8.76	-11.2/-14.8	-18.25/-19.35
Θ(30°)	-18.76/-18.26	-13.37/-10.94	-9.3/-8.87	-9.2/-9.39	-9.26/-8.33	-6.75/-5.09	-4.89/-6.33	-9.18/-10.39	-9.28/-7.82	-7.22/-8.73	-12.61/-15.32	-15.08/-14.16	-13.96/-14.77	-14.24/-11.22	-9.51/-8.3	-7/-6.25	-6.35/-6.4	-5.71/-4.28	-3.56/-3.25	-3.86/-4.56	-4.71/-5.57	-6.47/-7.31	-8.49/-9.91	-12.15/-14.14
Θ(37.5°)	-16.32/-15.98	-11.07/-7.59	-7.72/-8.11	-9.14/-10.2	-10.99/-9.32	-7.07/-4.97	-4.76/-6.13	-8.29/-9.41	-9.44/-9.72	-9.81/-11.46	-16.49/-18.88	-14.4/-12.05	-11.15/-11.13	-10.85/-11.18	-11.48/-10.58	-8.71/-7.84	-8.34/-9.13	-8.62/-6.57	-5.3/-5.81	-6.94/-6.43	-5.53/-5.38	-6.18/-6.38	-8.39/-13.8	-16.83/-15.91
Θ(45°)	-18.47/-16.26	-9.47/-6.36	-8.45/-11.68	-10.88/-10.48	-10.73/-9.37	-7.85/-8.57	-10.31/-10.89	-9.57/-8.08	-8.16/-9.33	-14.07/-19	-19/-17.94	-13.17/-9.95	-7.8/-8.7	-11.88/-14.77	-17.86/-18.21	-12.47/-9.59	-8.98/-10.25	-9.09/-7.62	-8.47/-10.57	-8.85/-7.7	-6.7/-5.85	-6.7/-7.57	-8.65/-10.68	-13.38/-19.44
Θ(52.5°)	-14.66/-17.4	-9.63/-7.15	-7.02/-8.34	-9.83/-14.39	-15.26/-11.59	-10.15/-12.25	-10.13/-7.4	-6.2/-7.39	-9.76/-11.22	-18.75/-19.17	-16.25/-11.06	-7.71/-6.8	-6.03/-7.39	-9.49/-12.95	-18.99/-18.76	-14.09/-11.55	-10.68/-10	-11.08/-11.56	-10.52/-12.2	-11.2/-8.04	-7.74/-6.49	-6.47/-7.24	-7.92/-8.74	-10.17/-17.99
Θ(60°)	-13.64/-17.46	-15.31/-7.16	-5.3/-6.56	-8.96/-12.75	-16.71/-17.37	-13.11/-14.81	-10.98/-8.57	-8.99/-11.85	-17.99/-18.35	-18.56/-17.89	-13.38/-8.81	-6/-6.72	-6.64/-8.09	-11.81/-18.44	-18.54/-17.73	-13.85/-12.67	-11.73/-13.6	-17.68/-15.93	-13.71/-17.35	-12.09/-7.3	-7.45/-7.93	-7.55/-7.09	-7.31/-7.46	-8.78/-14.39
Θ(67.5°)	-9.74/-12.38	-18.25/-9.92	-6.98/-8.26	-9.35/-9.33	-14.11/-18.26	-13.64/-13.91	-12.96/-11.68	-17.63/-18.66	-15.22/-16.91	-14.75/-14.35	-8.8/-6.08	-4.24/-5.42	-6/-7.68	-15.87/-18.38	-17.27/-16.01	-14.69/-16.24	-14.96/-16.05	-17.62/-18.65	-16.68/-15.13	-10.15/-6.92	-7.2/-7.65	-7.57/-6.77	-6.07/-5.92	-6.22/-7.62
Θ(75°)	-12.15/-12.02	-18.06/-12.48	-8.97/-9.25	-10.49/-10.87	-15.46/-17.69	-16.51/-15.98	-15.67/-13.3	-14.38/-14.6	-9.58/-13.22	-13.28/-15.39	-9.62/-7.01	-5.03/-6.47	-7.53/-8.56	-18.65/-19.51	-12.38/-12.94	-15.04/-17.91	-18.55/-18.96	-17.29/-17.17	-15.83/-13.17	-10.83/-7.17	-8.55/-8.73	-8.61/-7.55	-6.39/-6.05	-7.5/-8.74
Θ(82.5°)	-11.89/-9.99	-16.81/-16.06	-11.69/-10.4	-13.64/-13.19	-16.15/-17.87	-17.37/-18.58	-14.94/-14.16	-9.84/-11.66	-8.43/-12.84	-12.77/-13.8	-8.35/-6.85	-6.17/-7.92	-8.23/-11.86	-18.46/-12.96	-9.06/-9.19	-13.02/-17.16	-17.39/-18.46	-16.6/-15.14	-13.64/-10.68	-9.71/-8.13	-8.46/-9.29	-9.8/-10.89	-9.9/-9.36	-9.35/-9.21
Θ(90°)	-13.15/-9.95	-16.57/-18.88	-14.02/-10.74	-12.25/-18.2	-18.49/-17.93	-17.49/-17.76	-13.16/-18.71	-9.86/-11.54	-9.54/-14.75	-19.21/-16.86	-9.75/-7.69	-7.57/-10.12	-10.84/-14.86	-15.99/-10.64	-8.4/-9.66	-12.83/-18.37	-18.61/-18.84	-14.42/-14.76	-12.66/-11.6	-11.49/-8.09	-9.24/-12.95	-12.84/-17.17	-16.17/-11.99	-11.01/-10.81
Θ(97.5°)	-14.06/-13.21	-18.13/-19.25	-16.57/-11.52	-11.83/-18.91	-17.77/-19.4	-17.55/-17.91	-15.59/-18.3	-10.76/-12.76	-12.4/-18.01	-17.69/-13.51	-10.82/-9.2	-10.31/-10.72	-10.99/-17.59	-11.77/-9.09	-8.6/-10.65	-14.46/-17.61	-18.51/-18.69	-18.72/-15.76	-13.21/-13.81	-14.31/-11.41	-12.56/-18.07	-16.48/-14.23	-16.4/-11.2	-13.77/-11.63
Θ(105°)	-13.48/-14.22	-15.68/-18.42	-18.39/-14.94	-9.65/-12.84	-17.38/-18.96	-19.26/-18.6	-17.15/-15.02	-12.57/-15.15	-18.89/-17.92	-17.83/-13.25	-9.89/-9.97	-11.49/-13.63	-13.06/-15.4	-8.48/-8.92	-9.55/-12.83	-14.99/-18.48	-17.29/-19.11	-17.59/-17.47	-13.78/-13.88	-16.38/-14.18	-14.56/-18.2	-15.14/-11.91	-17.27/-16.99	-18.73/-14.86
Θ(112.5°)	-13.41/-12.37	-13.41/-16.97	-16.55/-15.73	-14.74/-13.4	-19.01/-18.19	-17.85/-17.83	-19.17/-14.74	-15.63/-18.15	-17.98/-15.85	-14.74/-14.04	-13.16/-13.87	-15.56/-14.45	-19.24/-13.42	-9.73/-9.97	-10.72/-13.62	-17.11/-18.55	-18.87/-19.27	-17.43/-14.76	-11.74/-13.46	-16.21/-14.76	-17.11/-16.74	-18.66/-15.64	-18.19/-15.97	-15.07/-11.42
Θ(120°)	-9.86/-11.1	-10.83/-10.02	-18.05/-17.88	-18.45/-17.63	-18.77/-18.53	-17.53/-19.21	-18.12/-16.92	-17.9/-18.98	-18.53/-17.39	-14.84/-14.34	-13.27/-11.44	-13.58/-12.47	-13.37/-9.86	-8.52/-11.36	-11.26/-16.22	-17.25/-17.88	-18.37/-18.57	-18.01/-16.71	-14.43/-13.62	-18.74/-16.16	-12.79/-17.25	-18.23/-14.79	-15.47/-15.18	-13.12/-10.01
Θ(127.5°)	-16.29/-16.91	-17.91/-10.94	-18.08/-14.73	-19.08/-17.41	-15.58/-17.29	-17.38/-18.17	-16.34/-18.06	-17.61/-18.07	-18.41/-18.71	-18.22/-17.59	-12.56/-14.26	-14.35/-11.53	-12.61/-9.96	-7.37/-8.85	-18.06/-15.85	-17.73/-17.55	-18.23/-18.82	-19.28/-18.61	-15.32/-14.77	-17.9/-16.16	-14.11/-18.01	-16.01/-11.23	-18.11/-15.66	-13.13/-12.68
Θ(135°)	-11.45/-18.24	-18.52/-18.96	-17.49/-11.91	-14.62/-17.84	-14.77/-17.95	-18/-18.74	-19.01/-18.33	-18.59/-18.56	-17.88/-19.08	-18.2/-13.98	-14.64/-15.83	-14.53/-13.39	-13.69/-10.54	-13.43/-18.64	-16.86/-18.38	-18.49/-18.58	-17.25/-17.14	-18.15/-17.68	-15.69/-15.9	-18.79/-18.89	-12.88/-14.27	-18.28/-18.61	-17.14/-16.92	-13.67/-8.86
Θ(142.5°)	-13.62/-18.4	-18.36/-17.87	-18.52/-18.27	-17.94/-18.12	-17.97/-18.62	-17.78/-18.72	-19.19/-18.57	-18.19/-18.3	-17.79/-19.04	-18.87/-19.05	-17.6/-18.17	-18.54/-13.24	-11.15/-11.57	-14.44/-17.38	-17.33/-19.33	-18.62/-17.95	-18.06/-17.98	-17.49/-14.09	-16.58/-18.5	-15.08/-10.08	-11.38/-17.44	-14.1/-11.31	-10.47/-13.25	
Θ(150°)	-11.74/-12.14	-10.32/-10.47	-13.19/-17.23	-15.17/-16.04	-16.25/-18.21	-19.17/-15.25	-18.3/-18.25	-15.54/-18.22	-15.76/-16.22	-18.48/-18.17	-15.77/-14.84	-18.3/-18.78	-18.16/-14.78	-12.74/-16.49	-17.79/-18.58	-18.23/-18	-18.32/-19	-17.75/-19.2	-15.12/-13.18	-18.94/-18.8	-18.02/-17.24	-18.57/-18.24	-18.93/-15.23	-10.04/-10.06
Θ(157.5°)	-11.65/-17.49	-16.53/-18.6	-17.85/-18.64	-18.59/-18.45	-18.07/-17.52	-17.88/-18.2	-18.78/-18.78	-18.37/-17.76	-19.1/-17.57	-17.81/-18.66	-18.56/-18.44	-18.49/-17.63	-18.07/-14.13	-15.38/-17.69	-17.47/-17.19	-16.36/-18.51	-18.39/-18.95	-18.23/-17.39	-17.26/-19.07	-18.76/-18.88	-17.77/-19.41	-14.89/-12.29	-11.15/-11	-10.14/-9.02
Θ(165°)	-18.21/-19.2	-19.45/-14.9	-13.84/-14.79	-17.72/-18.3	-17.94/-15.37	-14.32/-16.41	-18.5/-18.9	-18.14/-16.58	-14.74/-14.52	-14.71/-14.22	-14.84/-12.9	-13.3/-13.95	-15.33/-14.58	-11.35/-11.74	-14.99/-19.33	-18.32/-18.5	-18.94/-17.67	-17.83/-19.15	-17.61/-19.04	-18.01/-18.88	-19.19/-18.18	-16.55/-12.77	-12.96/-15.66	-18.2/-18.5
Θ(172.5°)	-14.9/-12.06	-12.52/-15.13	-17.08/-18.14	-18.74/-19.03	-17.98/-17.82	-18.23/-18.37	-19.06/-18.48	-16.54/-15.67	-15.32/-17.84	-18.61/-17.53	-14.62/-15.25	-17/-18.08	-17.81/-18.66	-18.38/-18.43	-18.17/-18.67	-19.11/-19.05	-17.56/-18.84	-18.34/-19.34	-17.71/-12.96	-11.65/-10.96	-11.99/-15.22	-16.36/-16.06		
Θ(180°)	-16.69/-15.03	-16.41/-17.79	-17.17/-18.27	-17.81/-17.41	-18.93/-18.92	-18.55/-17.47	-18.55/-18.02	-17.97/-18.23	-17.9/-15.32	-14.45/-13.56	-12.88/-12.87	-13.33/-13.9	-14.4/-14.65	-14.53/-16.1	-15.7/-16.99	-18.49/-17.05	-16.22/-16.13	-16.32/-15.71	-15.62/-15.9	-15.93/-16.82	-18.88/-18.17	-18.78/-18.51	-19.05/-18.09	-18.58/-18.5
Freq(Hz)	5.785GPol.	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(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°)	-2.61/-2.27	-2.24/-2.11	-2.42/-2.89	-3.36/-3.98	-4.73/-5.5	-7.23/-9.55	-12.59/-12.67	-18.03/-17.97	-11.55/-9.22	-6.8/-4.84	-3.77/-3.14	-2.97/-2.5	-2.63/-2.83	-3.18/-3.56	-4.12/-4.76	-5.44/-7.03	-8.55/-10.49	-11.51/-11.32	-10.81/-10.34	-9.33/-8.45	-5.2/-4.56	-3.87/-3.52	-3.17/-3.12	-3.17/-3.12
Θ(7.5°)	-3.01/-3	-3.35/-4	-4.77/-5.89	-7.41/-8.55	-9.81/-10.89	-10.87/-11.03	-10.79/-6.2	-8.39/-7.55	-6.75/-5.99	-5.41/-4.59	-3.93/-3.38	-2.72/-2.74	-2.22/-1.91	-1.64/-1.54	-1.24/-1.34	-2.11/-2.85	-3.71/-5.09	-7.27/-9.4	-12.14/-19.09	-18.14/-13.57	-10/-7.73	-6.26/-5.09	-4.21/-3.5	-3.13/-3
Θ(15°)	-5.79/-5.4	-5.48/-4.91	-4.64/-4.52	-4.95/-5	-5.59/-6.31	-7.09/-7.3	-6.17/-5.36	-4.72/-4.87	-5.14/-5.52	-5.71/-5.03	-4.32/-3.45	-2.85/-2.16	-1.62/-1.39	-1.25/-1.33	-1.7/-2.05	-2.62/-3.46	-4.94/-6.68	-8.75/-11.27	-13.04/-12.52	-9.71/-7.36	-5.76/-5.06	-4.53/-4.67	-4.79/-5.04	-5.35/-5.62
Θ(22.5°)	-6.2/-6.06	-5.51/-5.56	-5.13/-5.1	-5.16/-4.52	-4.54/-5.29	-6.01/-6.6	-6.91/-6.17	-5.23/-5.18	-5.61/-6.03	-5.28/-3.17	-1.87/-1.22	-0.91/-1.08	-0.150/-87	1.13/-0.9	0.16/-0.67	-1.67/-2.9	-4.32/-4.66	-4.32/-4.15	-4.63/-5.62	-6.43/-6.79	-5.96/-4.91	-4.29/-4.96	-5.59/-6.35	-6.71/-6.48
Θ(30°)	-3.87/-3.28	-3.72/-4.07	-4.59/-4.83	-4.23/-3.52	-3.01/-2.21	-1.78/-2.04	-2.9/-3.66	-4.19/-5.11	-5.48/-5.53	-4.93/-2.74	-1.140/-18	0.720/-64	0.871/-5	1.91/-1.84	1.58/-1.13	0.920/-19	-0.55/-0.15	-0.55/-1.52	-2.3/-2.15	-1.65/-1.92	-2.75/-2.6	-1.8/-2	-3.18/-3.85	-3.8/-3.81
Θ(37.5°)	-2.93/-2.68	-1.32/-0.52	-0.72/-1.8	-2.59/-2.91	-3.01/-2.1	-0.8/-0.69	-0.61/-1.02	-1.72/-3.08	-3.7/-2.84	-2.27/-1.7	-1.75/-1.96	-1.16/-0.95	-0.94/-0.07	1.122	2.793/-16	3.13/-27	1.740/-21	-1.16/-1.41	-0.98/-0.8	-0.91/-1.37	-2.32/-3.09	-1.050/-3	-0.02/-0.81	-1.26/-2.29
Θ(45°)	-3.07/-1.89	-1.04/-0.79	-0.71/-1.21	-1.14/-1.62	-1.340/-5.9	1.530/-77	-0.48/-1.22	-1.53/-2.58	-2.52/-1.78	-1.64/-1.58	-2.96/-5.06	-4.2/-3.74	-2.7/-0.41	0.92/-69	2.48/-0.34	2.862/-38	0.73/-1.38	-1.7/-1.32	-1.11/-0.89	-0.57/-0.4	-0.36/-1.17	-1.31/-0.42	0.16/-0.58	-1.28/-2.46
Θ(52.5°)	-2.11/-1.95	-2.29/-2.3	-0.60/-18	0.11/-0.82	-0.38/-1.29	0.84/-0.37	-0.8/-0.4	-0.8/-1.75	-0.57/-0.99	-2.18/-2.06	-4.57/-7.05	-4.24/-4.79	-4.57/-1.73	-0.660/-51	1.612/-68	2.452/-42	2.060/-53	-1.71/-3.43	-2.84/-1.54	-1.58/-2.43	-1.86/-0.83	-0.84/-0.08	-0.13/-0.08	-0.33/-1.45
Θ(60°)	-0.77/-2.39	-4.1/-3.8	-1.66/-0.45	0.490/-82	1.912/-66	1.09/-0.03	1.09/-1.51	0.3																



Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.65	3.3	2.92	2.37
Ant. 3 Max Gain (dBi)	3.63	3.77	3.93	3.91
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/52.5/15	Phi/52.5/157.5	Phi/52.5/150	Phi/67.5/292.5
Ant. 3 Polarization/Θ(°)/Φ(°)	Theta/82.5/262.5	Theta/60/120	Theta/67.5/135	Theta/37.5/262.5
Max Gain (dBi)	3.63	3.77	3.93	3.91
DG [1SS] (dBi)	3.21	2.97	3.28	2.38
DG [1SS] (dBi) Revised	3.63	3.77	3.93	3.91
DG [2SS] (dBi)	3.63	3.77	3.93	3.91



Sporton International Inc. Hsinchu Laboratory



Radiated Composite Gain Data of Radio 2 5GHz-2TX (EUT 1)

Appendix C

Θ(22.5°)	0.57/-0.28	-0.6/-0.27	0.420/0.51	-0.04/-0.97	-2.21/-3.47	-3.58/-3.52	-3.17/-2.48	-2.13/-2.59	-3.45/-3.5	-2.97/-2.63	-2.58/-2.38	-1.95/-1.22	-0.62/-0.96	-1.15/-1.04	-0.74/-0.2	0.270/0.45	0.25/-0.06	-0.93/-2.12	-3.24/-3.93	-4.19/-3.71	-2.96/-2.15	-0.96/-0.09	0.6/-0.2	1.29/-1.06
Θ(30°)	2.17/-1.53	0.480/0.7	0.17/-0.14	0.430/0.91	0.64/-0.	-0.010/0.8	0.13/-0.26	-1.35/-2.63	-3.07/-3.24	-3.88/-4.	-2.62/-0.85	0.240/0.2	0.22/-0.7	-0.65/-0.47	0.340/0.93	1.35/-1.15	0.77/-0.01	-1.56/-2.92	-4.03/-5.61	-5.54/-4.2	-4.22/-3.94	-2.42/-0.91	0.040/63	1.55/-2.01
Θ(37.5°)	1.61/-2.62	2.75/-1.9	0.6/0.6	2.052/3.	1.63/-1.21	0.560/0.55	-0.14/-0.61	-1.86/-4.34	-3.87/-3.24	-2.68/-1.26	0.76/-1.57	1.130/27	0.63/-0.11	-0.27/-0.17	0.240/-0.18	0.280/0.48	0.15/-0.34	-0.87/-2.17	-2.41/-2.03	-0.77/-2.17	-2.41/-2.03	-3.16/-1.31	0.360/64	0.30/-81
Θ(45°)	0.92/-59	3.282/55	1.77/-1.52	1.992/3.	2.03/-1.21	-0.040/0.4	0.4/-0.79	0.3/-0.91	-2.87/-3.64	-1.920/-51	1.81/-1.92	2.092/49	2.432/82	2.080/-11	-2.88/-2.09	-1.15/-0.44	0.210/69	0.63/-0.02	-0.8/-1.75	-1.85/-0.95	-0.79/-0.95	-1.58/-1.27	-0.030/69	0.66/-0.8
Θ(52.5°)	0.582/-07	2.742/-39	2.64/-1.	-0.281/-24	2.51/-42	-1.07/-2.63	-0.450/-42	-1.41/-3.84	-3.82/-2.	-0.660/69	2.022/65	2.45/-1.83	1.75/-1.35	-0.88/-1.81	-2.39/-1.38	-1.38/-0.8	0.01/-0.57	-2.13/-2.65	-2.31/-0.66	-0.46/-0.88	-1.72/-1.77	-1.04/-0.05	0.640/-96	
Θ(60°)	1/1.59	2.62/-13	2.210/79	0.030/56	0.29/-0.15	-0.56/-0.78	0.1/-0.21	-2.33/-4.55	-3.02/-2.04	-3.06/-1.73	0.05/-1.82	1.320/37	-0.04/-0.53	-1.43/-1.39	-2.97/-2.73	-2.64/-2.42	-0.74/-0.02	-0.46/-2.33	-0.46/-2.33	-1.50/-1.1	-2.57/-2.72	-1.7/-0.85	0.04/-33	
Θ(67.5°)	0.170/36	0.9/-1.31	1.59/-0.11	-2.05/-1.95	-0.610/0.48	0.07/-1.43	-1.42/-0.63	-0.95/-2.47	-2.15/-3.81	-4.11/-1.05	-1.180/63	0.490/73	1.1/-0.4	-0.43/-1.37	-1.8/-1.62	-1.62/-2.13	-2.39/-2.44	-0.910/66	-0.21/-1.93	-0.360/71	-0.13/-0.45	-0.85/-1.22	-0.96/-0.92	-0.78/-0.44
Θ(75°)	-0.34/-0.38	-0.860/-36	0.42/-0.61	-2.86/-4.01	-1.49/-0.85	-0.23/-1.97	-3.73/-1.68	-0.59/-1.3	-1.27/-3.89	-3.54/-0.4	-0.990/-62	0.81/69	2.53/-152	-0/-144	-1.6/-1.29	-1.21/-1.03	-1.28/-2.57	-2.310/35	-0.32/-1.48	0.660/64	-0.74/-1.79	-1.29/-1.29	-1.22/-1.84	-1.93/-0.93
Θ(82.5°)	-3.08/-2.12	-2.82/-1.09	-2.16/-1.53	-3.62/-5.19	-1.95/-1.58	-1.4/-4.34	-6.58/-2.29	-0.86/-1.98	-1.62/-3.6	-3.51/-0.69	-1.69/-0.34	0.66/-1.77	1.580/54	-1.15/-3.5	-2.07/-0.93	-0.320/58	-0.6/-2.77	-2.24/-0.02	-0.69/-0.93	0.590/-1	-1.04/-2.82	-2.21/-1.55	-1.89/-2.84	-2.42/-3.14
Θ(90°)	-4.48/-3.94	-4.47/-2.25	-4.03/-2.49	-5.12/-4.81	-2.7/-2.88	-2.95/-4.78	-9.08/-4.52	-1.94/-3.22	-2.26/-4.47	-5.01/-3.59	-2.66/-1.9	-0.370/0.7	-0.61/-0.6	-2.42/-4.85	-3.15/-2	-0.910/39	-0.91/-4.87	-4.15/-1.5	-1.2/-1.34	-0.82/-1.03	-2.57/-4.2	-3.7/-2.88	-2.98/-4.25	-3.35/-4.77
Θ(97.5°)	-5.82/-6.33	-5.85/-3.6	-6.12/-3.93	-6.3/-5.29	-3.63/-3.19	-5.22/-6.5	-9.4/-7.3	-4.19/-5.04	-4.59/-4.8	-7.08/-5.63	-3.16/-3.87	-2.85/-1.87	-2.41/-3.43	-3.98/-6.54	-5.46/-3.79	-2.14/-1.9	-2.14/-6.27	-6.48/-4.68	-2.79/-3.36	-3.73/-2.57	-5.5/-6.4	-5.67/-4.65	-4.7/-4.78	-4.44/-6.06
Θ(105°)	-6.41/-7.84	-6.23/-6.3	-7.92/-5.74	-7.12/-7.52	-5.93/-2.99	-4.52/-8.94	-9.42/-7.56	-6.79/-7.62	-6.7/-8.57	-8.94/-9.58	-3.87/-7.05	-5.27/-4.52	-3.81/-3.81	-4.66/-6.34	-7.05/-7.12	-4.52/-5.22	-6.43/-10.03	-9.58/-9.99	-6.08/-6.25	-6.23/-4.73	-7.87/-6.45	-6.49/-6.58	-5.23/-6.26	-5.94/-7.48
Θ(112.5°)	-7.6/-9.01	-8.41/-8.24	-9.61/-8.32	-8.11/-8.84	-8.2/-5.05	-4.82/-7.65	-11.26/-10.14	-8.28/-8.76	-8.3/-10.24	-9.67/-11.23	-6.49/-9.37	-10.16/-7.22	-4.21/-4.7	-6.34/-9.33	-7.29/-6.77	-7.14/-8.82	-10.54/-8.2	-8.61/-12.05	-8/-7.48	-7.1/-7.27	-9.18/-7.22	-8.42/-7.54	-8.06/-7.75	-8.62/-8.87
Θ(120°)	-11.3/-9.93	-9.3/-1.35	-11.33/-11.79	-10.79/-9.66	-8.91/-8.83	-7.13/-7.75	-10.57/-13.93	-10.21/-11.16	-11.96/-11.7	-11.22/-11.67	-11.96/-7.1	-4.67/-5.06	-7.83/-8.33	-8.39/-5.62	-5.76/-6.9	-10.44/-13.94	-12.79/-9.81	-8.18/-5.84	-6.37/-8.11	-10.87/-11.12	-10.62/-8.26	-9.5/-8.44	-10.84/-10.64	
Θ(127.5°)	-13.3/-11.47	-11.98/-12.37	-13.54/-13.91	-13.99/-10.74	-11.59/-12.99	-11.79/-11.97	-12.5/-13.64	-11.95/-13.11	-13.95/-15.02	-10.28/-10.76	-14.43/-10.01	-13.42/-7.79	-8.07/-5.83	-9.77/-12.7	-9.26/-8.13	-11.9/-10.89	-12.64/-11.31	-14.3/-9.13	-7.95/-7.6	-8.87/-11.32	-13.63/-13.17	-9.84/-11.43	-10.61/-10.83	-11.3/-10.64
Θ(135°)	-13.18/-12.64	-9.9/-12.26	-14.15/-11.55	-13.52/-15.07	-15.46/-11.57	-10.4/-11.76	-14.62/-15.15	-13.87/-12.51	-12.48/-13.43	-12.81/-11.08	-15.3/-15.59	-13.49/-8.92	-7.75/-8.88	-11.51/-9.87	-12.15/-11.57	-15.56/-10.49	-12.64/-12.14	-15.78/-12.63	-10/-8.51	-12.6/-12.92	-11.97/-12.32	-10.42/-10.58	-12.93/-11.77	-12.13/-10.95
Θ(142.5°)	-9.58/-9.15	-9.39/-11.67	-11.54/-12.84	-11.55/-11.14	-12.32/-13.79	-15.58/-14.01	-13.86/-14.96	-10.45/-11.73	-15.16/-13.8	-14.75/-11.32	-12.64/-16.1	-11.96/-7.1	-7.83/-8.33	-9.39/-15.39	-15.85/-15.01	-13.67/-14.04	-9.68/-11.92	-13.46/-15.06	-13.22/-12.27	-10.72/-9.48	-13.75/-13.98	-12.57/-9.82	-11.77/-11.73	-10.03/-8.24
Θ(150°)	-11.24/-11.55	-13.31/-14.01	-11.78/-9.72	-13.12/-16.03	-12.12/-13.63	-13.21/-10.56	-11.1/-11.72	-14.22/-13.65	-14.86/-15.74	-14.71/-11.33	-8.93/-10.23	-12.75/-15.1	-11.93/-9.15	-13.69/-15.21	-15.76/-11.96	-15.29/-15.8	-14.73/-13.46	-13.43/-13.55	-15.24/-14.85	-15.76/-15.11	-14.44/-13.73	-15.69/-15.99	-13.47/-10.49	
Θ(157.5°)	-12.39/-14.63	-14.05/-12.54	-12.29/-12.93	-13.98/-12.67	-9.83/-8.87	-11.18/-15.41	-14.5/-14.33	-14.32/-15.58	-14.45/-15.3	-14.88/-12.72	-13.92/-14.62	-17.12/-12.9	-14.73/-11.21	-9.29/-10.62	-13.89/-15.13	-15.42/-15.17	-15.05/-13.44	-13.26/-13.63	-14.47/-15.75	-15.92/-15.79	-14.61/-16.08	-15.43/-15.23	-15.27/-14.68	-15.29/-14.43
Θ(165°)	-14.86/-14.18	-12.92/-11.57	-9.7/-9.05	-8.84/-8.78	-8.99/-10.64	-13.49/-15.54	-15.32/-15.93	-15.38/-15.79	-15.96/-14.94	-15.04/-14.08	-14.65/-15.13	-14.9/-13.36	-11.61/-9.82	-9.35/-10.94	-12.53/-14.46	-14.53/-13.31	-13.18/-12.69	-12.92/-12.88	-12.96/-12.88	-14.45/-15.3	-14.71/-14.81	-13.48/-14.18	-15.64/-13.81	-11.55/-12.08
Θ(172.5°)	-13.64/-15.26	-13.59/-12.75	-13.69/-14.21	-12.63/-11.51	-11.59/-12.91	-13.48/-13.82	-14.34/-15.18	-15.03/-15.18	-12.86/-12.12	-12.1/-13.06	-14.83/-15.3	-15.23/-15.44	-14.81/-15.28	-15.38/-14.81	-13.94/-12.73	-12.56/-11.87	-11.76/-12.54	-13.23/-13.83	-14.47/-13.55	-13.73/-14.83	-15.38/-16.33	-13.98/-13.93	-14.12/-14.01	-12.71/-11.93
Θ(180°)	-15.23/-15.11	-15.35/-15.65	-13.58/-12.93	-13.95/-14.81	-14.36/-14.62	-14.11/-15.65	-15.63/-15.57	-14.99/-15.69	-14.58/-12.53	-14.39/-15.47	-15.34/-15.82	-15.85/-15.47	-15.38/-16.15	-15.42/-16.02	-15.08/-15.43	-15.45/-14.06	-13.57/-12.35	-12.89/-13.38	-15.32/-15.61	-15.86/-14.84	-15.92/-15.03	-14.97/-15.27	-15.43/-16.1	-15.07/-14.99
Freq(Hz)	5.65GPol.	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°)	-6.41/-7.51	-8.8/-8.09	-7.09/-6.61	-5.14/-21	-3.07/-2.33	-1.7/-1.25	-1.28/-1.18	-0.92/-0.91	-1.07/-1.5	-2.12/-2.64	-3.1/-3.46	-4.53/-6.04	-6.06/-6.9	-8.27/-9.33	-8.67/-7.5	-5.71/-4.39	-3.31/-2.24	-1.54/-0.9	-0.530/0.5	0.320/0.3	-0.340/-0.83	-1.01/-1.65	-3.03/-4.15	-5.51/-5.95
Θ(7.5°)	-5.76/-7.67	-8.48/-11.05	-12.16/-10.78	-9.21/-7.14	-5.24/-3.4	-2.42/-2.05	-1.64/-1.14	-0.83/-0.51	-0.75/-1.04	-1.24/-1.52	-2.63/-3.33	-3.93/-5.68	-6.67/-6.47	-7.44/-8.18	-6.7/-6.08	-5.59/-4.84	-4.68/-4.07	-3.46/-2.75	-2.38/-2.17	-1.9/-1.76	-1.67/-2.19	-3.04/-2.71	-2.92/-3.45	-4.12/-4.57
Θ(15°)	-5.91/-6.46	-7.51/-9.78	-10.32/-9.48	-8.11/-6.55	-5.55/-4.39	-3.93/-3.59	-3.08/-2.67	-2.65/-2.63	-2.68/-2.69	-2.4/-1.23	-2.1/-2.47	-2.73/-3.59	-4.75/-5.78	-7.1/-7.66	-6.82/-7.	-7.85/-8.27	-8.08/-7.52	-6.51/-5.48	-5.14/-5.7	-3.99/-3.3	-2.94/-3.11	-3.79/-4.32	-4.62/-4.71	-5.08/-5.16
Θ(22.5°)	-6.12/-8.23	-11/-14.61	-12.74/-11.67	-9.64/-8.09	-6.32/-4.75	-3.51/-2.97	-2.78/-2.9	-3.28/-3.	-2.6/-2.93	-3.57/-4.34	-4.29/-4.88	-5.19/-5.16	-6.19/-6.8	-7.1/-6.87	-5.24/-4.71	-3.21/-2.79	-3.3/-2.87	-1.97/-1.44	-1.51/-1.09	-0.71/-0.69	-1.43/-2.2	-2.87/-3.34	-3.84/-4.36	-4.46/-4.95
Θ(30°)	-4.71/-5.23	-6.61/-6.74	-8.13/-8.98	-6.13/-4.82	-4.25/-3.5	-2.73/-2.16	-1.78/-2.17	-2.31/-2.34	-2.4/-3.59	-4.68/-3.8	-3.5/-3.67	-2.85/-2.52	-4.85/-6.1	-7.54/-6.25	-3/-1.85	-1.35/-1.53	-2.51/-2.7	-1.60/-1.	0.760/4.7	-0.04/-0.3	-0.85/-1.24	-1.5/-2.49	-3.6/-3.72	-4.42/-4.81
Θ(37.5°)	-2.23/-1.83	-1.73/-2.25	-4.77/-6.16	-4.19/-3.71	-5.08/-4.81	-3.26/-1.82	-1.95/-2.53	-3/-1.61	-0.57/-0.77	-1.75/-2.42	-2.47/-3.03	-4.79/-6.97	-6.67/-2.39	-0.68/-0.18	0.280/0.3	-1.41/-2.46	-0.770/-2.8	0.60/4.7	-0.22/-0.24	-0.08/-0.05	-0.03/-1.26	-2.51/-2.73	-2.28/-2.11	
Θ(45°)	-1.35/-2.	-1.17/-0.95	-2.56/-3.66	-2.17/-2.2	-2.91/-3.43	-3.09/-1.79	-1.4/-1.68	-1.69/-0.98	-0.35/-0.6	-0.97/-1.2	-0.53/-1.62	-1.330/0.3	-0.95/-2.13	-2.26/-1.35	-0.03/-0.22	-0.130/23	-1.32/-1.62	0.340/34	-0.7/-1.2	-0.690/22	0.210/15	-1.29/-1.94	-1.5/-1.32	
Θ(52.5°)	-1.35/-1.83	-1.71/-1.24	-2.14/-3.29	-2.31/-2.11	-2.13/-2.73	-3.03/-1.66	-1.22/-1.7	-1.19/-0.19	0.780/98	0.93/-1.21	-0.76/-1.79	-0.64/-1.03	-0.040/-0.8	-0.73/-0.93	-0.64/-1.6	-1.290/32	-1.66/-1.92	0.01/-0.35	-1.05/-0.5	-0.580/25	0.630/27	0.52/-0.66	-0.14/-1.11	-2.21/-2.03
Θ(60°)	-1.35/-0.97	-1.85/-1.63	-3.29/-1.29	0.27/-2.38	-3.21/-1.84	-3.27/-1.84	-2.38/-1.76	-0.210/4.7	1.35/-1.68	1.75/-0.91	-1.29/-2.03	-1.150/-16	-1.04/-0.81	-1.16/-2.87	-1.82/-0.22	-0.81/-1.21	-1.95/-0.2	0.79/-0.35	-0.81/-0.81	-1.72/-0.61	0.170/0.8	-0.08/-1.77	-1.49/-0.69	-1.26/-2.32
Θ(67.5°)	-2.1/-2.04	-2.71/-2.36	-5.44/-0.86	0.65/-3.6	-3.56/-2.58	-5.54/-8.9	-9.79/-2.57	-0.67/-1.28	1.34/-1.44	1.92/-0.	-0.51/-0.85	-0.34/-1.99	-4.29/-2.21	-2.08/-1.87	-2.61/-4.02	-1.340/-0.82	-1.510/55	-0.56/-1.43	-1.39/-1.59	-1.94/-0.52	-0.37/-1.34	-1.41/-2.27	-2.65/-0.8	-0.96/-2.1
Θ(75°)	-3.18/-2.34	-3.51/-3.05	-6.78/-9.3	-0/-4.96	-3.18/-2.39	-3.45/-3.89	-6.16/-6.78	-3.080/38	1.340/63	10/03	-0.580/-39	-0.67/-2.83	-5.38/-2.37	-3.46/-2.5	-1.58/-0.13	-0.04/-0.92	-1.04/-1.03	-0.93/-1.33	-1.18/-1.29	-1				



-

Freq(Hz)	5.2G	5.3G	5.6G	5.785G
Ant. 1 Max Gain (dBi)	2.65	3.3	2.92	2.37
Ant. 2 Max Gain (dBi)	2.18	2.69	3.01	2.91
Ant. 3 Max Gain (dBi)	3.63	3.77	3.93	3.91
Ant. 4 Max Gain (dBi)	4.44	3.9	3.79	3.47
Ant. 1 Polarization/Θ(°)/Φ(°)	Phi/52.5/15	Phi/52.5/157.5	Phi/52.5/150	Phi/67.5/292.5
Ant. 2 Polarization/Θ(°)/Φ(°)	Phi/45/105	Phi/60/30	Phi/82.5/300	Phi/82.5/300
Ant. 3 Polarization/Θ(°)/Φ(°)	Theta/82.5/262.5	Theta/60/120	Theta/67.5/135	Theta/37.5/262.5
Ant. 4 Polarization/Θ(°)/Φ(°)	Theta/67.5/60	Theta/75/262.5	Theta/52.5/52.5	Theta/75/292.5
Max Gain (dBi)	4.44	3.9	3.93	3.91
DG [1SS] (dBi)	5.24	5	5.57	4.69
DG [2SS] (dBi)	4.44	3.9	3.93	3.91
DG [4SS] (dBi)	4.44	3.9	3.93	3.91



Radiated Composite Gain Data of Radio 2 5GHz-4TX (EUT 1)

Appendix D

DG 1SS Result

Freq(Hz)	5.2G/Pol.	Phi-L	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°)
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°)	-0.68/-0.91	-0.91/-1.13	-1.36/-1.65	-2.05/-2.83	-3.93/-5.18	-6.12/-7.25	-8.26/-9.07	-9.05/-8.42	-7.13/-6.08	-5.11/-3.81	-2.82/-2.28	-1.89/-1.45	-0.98/-0.65	-0.54/-0.38	-0.21/-0.16	-0.14/-0.11	-0.11/-0.08	-0.09/-0.07	-0.08/-0.06	-0.07/-0.05	-0.06/-0.04	-0.05/-0.03	-0.04/-0.02	-0.03/-0.01	-0.02/-0.01
Θ(7.5°)	0.20/69	0.760/54	0.290/37	-0.21/-0.88	-1.6/-2.5	-3.37/-4.63	-5.83/-7.02	-7.4/-6.63	-5.03/-3.87	-2.99/-2.16	-1.59/-1.09	-0.6/-0.34	-0.22/-0.16	-0.62/-1.04	-1.39/-1.58	-1.88/-2.7	-3.76/-4.97	-6.5/-7.76	-9.03/-9.76	-10.04/-8.8	-7.05/-5.84	-5.04/-3.8	-2.39/-1.69	-0.91/-0.44	
Θ(15°)	1.66/2.63	2.8/2.71	2.27/2.23	1.82/1.16	0.54/-0.09	-0.15/-0.03	-0.17/-0.68	-1.05/-1.25	-0.46/-0.38	1.29/1.92	1.99/1.78	1.7/1.67	1.27/0.74	0.44/0.21	0.16/-0.04	-0.48/-1.27	-2.57/-3.94	-4.42/-5.04	-5.63/-6.26	-6.36/-6.31	-5.47/-4.36	-3.48/-2.49	-1.25/-0.5	0.26/0.79	
Θ(22.5°)	2.87/3.39	3.77/3.84	3.58/3.05	2.41/95	1.57/0.76	0.62/0.18	1.20/83	-0.14/-0.93	-0.05/1.02	2.08/2.76	3.13/3.19	2.98/2.54	2.06/1.83	2.04/2.2	1.96/1.61	1.32/0.9	-0.09/-1.24	-2.17/-3.27	-3.91/-4.58	-4.88/-4.34	-5.28/-5.13	-4.21/7.9	1.42/1.79	1.93/2.2	
Θ(30°)	4.17/3.99	3.79/3.96	4.16/3.52	2.39/2	2.49/2.69	2.44/2.65	3.06/2.72	2.18/1.95	2.33/2.65	2.64/2.69	2.68/2.74	3.06/3.32	3.43/3.12	2.77/2.69	2.47/2.05	1.56/1.25	0.80/0.1	-0.5/-1.09	-0.93/-0.94	-0.97/-1.58	-2.13/-1.7	-0.19/1.41	2.5/2.88	3.07/3.64	
Θ(37.5°)	4.6/3.93	2.82/3.05	3.56/3.48	2.49/1.72	1.96/2.59	2.63/2.58	3.08/2.93	3.22/3.07	2.71/2.73	2.81/3.04	3.24/3.48	3.73/3.52	3.94/3.75	3.19/2.66	2.22/1.83	2.05/1.68	0.92/0.76	0.99/1.17	1.42/1.17	0.72/-0.22	-0.49/-0.63	-0.25/0.96	2.26/2.68	3.21/4.21	
Θ(45°)	4.35/3.82	3.12/81	2.47/2.62	2.98/2.81	2.33/1.99	2.21/2.5	2.85/3.11	4.07/3.54	2.75/3.05	3.53/3.32	3.82/5.02	5.24/4.79	4.79/4.51	3.49/2.66	2.11/1.52	1.78/1.23	0.62/1.24	1.91/55	1.43/1.44	0.62/-0.01	0.21/-0.01	-0.42/-0.21	1.89/2.76	2.92/3.92	
Θ(52.5°)	3.56/3.75	3.61/3.48	2.77/2.78	3.12/2.52	2.36/1.94	1.8/1.8	2.31/2.28	2.65/2.71	2.22/1.1	2.34/2	2.02/3.65	5.02/5.03	4.43/3.53	2.56/2.13	1.39/0.63	0.45/0.5	0.92/1.28	1.42/1.12	0.60/3.1	0.06/0.33	0.33/0.18	-0.11/0.15	1.54/2.81	3.13/3.33	
Θ(60°)	2.59/2.61	3.21/3.86	2.92/2.1	2.07/1.65	1.47/0.98	0.43/0.18	1.51/1.08	1.74/2.04	1.64/-0.07	-0.83/0.65	1.66/2.82	3.97/4.24	3.71/2.99	2.81/2.52	2.16/0.83	0.21/0.61	0.67/1.08	0.92/1.28	1.31/0.3	-0.33/-0.16	-0.15/-0.64	-0.34/0.1	1.32/2	2.48/2.42	
Θ(67.5°)	1.51/44	2.45/3.28	2.09/1.49	0.74/0.7	0.65/-0.52	0.61/1.12	1.26/0.22	0.48/0.9	0.77/-1.06	-1.52/0.45	1.73/3.2	0.48/2.28	4.07/3.48	2.89/2.23	1.91/0.57	0.14/0.51	0.81/45	1.23/1.84	1.90/44	0.22/-0.65	-0.87/-0.45	0.48/1.35	0.92/0.87		
Θ(75°)	0.83/0.7	1.35/1.74	0.34/-0.68	-0.88/-0.14	-0.26/-1.69	0.24/0.58	0.14/-0.61	0.07/0.15	0.55/-0.57	-1.06/0.37	0.87/2.31	3.58/3.1	2.46/1.84	2.04/1.23	0.70/2.3	0.51/1.29	1.32/1.01	0.78/1.46	2.06/0.77	0.28/0.27	0.27/-0.97	-2.28/1.38	-0.79/0.78	0.4/0	
Θ(82.5°)	-0.64/-1.13	0.22/0.16	-0.64/-2.91	-2.49/-0.96	-1.34/-2.63	-0.91/-0.92	-1.18/-2.62	-1.39/-1.04	-0.96/-1.38	-2.12/-0.98	-0.54/-1.1	2.61/1.37	1.25/1.05	0.26/-0.99	-0.58/0	0.75/2.15	1.49/0.53	-0.01/0.94	1.50/64	0.09/0.34	-0.51/-0.93	-2.95/-2.11	-1.37/-0.37	-0.99/-1.96	
Θ(90°)	-3.14/-3.63	-1.28/-1.69	-1.47/-5	-3.09/-4.13	-3.09/-4.13	-2.02/-2.64	-3.23/-3.86	-1.9/-2.17	-2.09/-3.23	-4.12/-3.67	-1.78/-2.18	0.61/0.91	-0.7/-1.46	-2.17/-2.84	-2.59/-1.5	-0.46/0.1	0.85/-1.45	-0.84/-0.65	-0.02/-0.56	-0.76/-0.81	-1.01/-1.16	-3.69/-3.31	-2.72/-0.91	-0.78/-2.39	
Θ(97.5°)	-2.74/-5.17	-3.67/-4.65	-3.62/-6.62	-4.08/-2.98	-4.07/-5.48	-3.54/-4.43	-5.86/-5.41	-3.26/-4.35	-4.85/-4.92	-6.38/-5.58	-3.15/-4.9	-1.48/-2.84	-2.75/-3.38	-4.68/-5.76	-6.11/-3.01	-2.54/-0.85	-1.13/-3.99	-3.65/-3.26	-2.72/-3.01	-2.51/-3.04	-4.45/-3.43	-4.18/-3.69	-4.02/-3.39	-3.37/-3.13	
Θ(105°)	-4.92/-5.82	-5.65/-6.74	-4.55/-6.66	-6.13/-4.59	-4.96/-5.72	-6.72/-6.03	-6.46/-6.87	-4.45/-6.88	-6.65/-5.87	-6.46/-6.1	-4.05/-6.9	-4.08/-5.29	-3.43/-4.1	-5.31/-7.15	-6.58/-3.88	-3.51/-4.22	-6.68/-5.73	-4.84/-4.23	-5.28/-5.13	-4.94/-4.08	-3.21/-3.17	-3.21/-3.56	-3.21/-3.56	-3.21/-3.56	
Θ(112.5°)	-4.28/-7.17	-3.79/-7.57	-8.26/-8.29	-8.54/-6.41	-6.8/-6.75	-6.59/-8.07	-8.96/-6.55	-5.32/-7.99	-9.79/-7.24	-6.82/-8.84	-6.88/-8.55	-6.95/-5.82	-5.19/-6.62	-5.94/-5.85	-6.33/-6.64	-9.17/-8.65	-6.45/-6.81	-8.47/-7.02	-5.87/-5.07	-6.54/-4.75	-6.28/-5.45	-3.96/-4.11	-5.12/-3.84		
Θ(120°)	-6.73/-6.32	-7.71/-9.53	-10.01/-9.19	-10.49/-8	-10.89/-7.87	-9.28/-8.2	-8.09/-9.37	-8.38/-8.74	-10.47/-9.66	-8.5/-8.79	-9.05/-6.58	-9.53/-8.23	-6.18/-5.5	-7.23/-8.58	-6.44/-5.22	-6.82/-6.96	-8.94/-9.51	-7.44/-6.81	-7.77/-6.45	-5.19/-5.83	-6.32/-5.32	-5.03/-6.26	-7.58/-6.96	-6.71/-6.87	
Θ(127.5°)	-8.08/-9.06	-9.26/-10.95	-10.89/-10.2	-10.58/-10.66	-11.73/-10.45	-9.51/-7.77	-10.09/-9.67	-10.31/-8.97	-10.66/-11.39	-9.89/-9.19	-10.86/-10.12	-11.07/-9.09	-8.08/-6.39	-9.32/-8.92	-6.69/-8.18	-8.98/-8.23	-10.31/-11.1	-9.04/-7.86	-10.26/-7.74	-8.21/-8.38	-9.03/-9.12	-8.45/-7.18	-7/-7.37	-6.89/-7.21	
Θ(135°)	-7.81/-7.87	-8.92/-9.33	-9.88/-10.28	-10.83/-9.89	-11.12/-12.33	-11.13/-9.09	-11.19/-10.85	-11.82/-11.71	-9.94/-11.16	-9.61/-7.96	-8.95/-9.25	-11.48/-7.98	-6.78/-7.78	-10.39/-9.38	-7.21/-11.02	-8.33/-11.66	-10.43/-9.21	-8.61/-9.3	-12.32/-11.24	-10.07/-9.26	-8.92/-7.92	-10.89/-6.64	-9.48/-8.96	-7.97/-10.09	
Θ(142.5°)	-6.46/-6.42	-7.17/-7.15	-8.61/-9.37	-9.51/-9.71	-9.72/-11.92	-11.93/-12.32	-11.69/-11.36	-11.91/-11.66	-10.95/-11.06	-9.51/-9.66	-11.56/-9.38	-7.71/-7.49	-6.81/-7.85	-8.81/-7.06	-12.06/-11.9	-8.61/-8.86	-9.82/-10.01	-9.06/-9.6	-10.47/-8.89	-7.97/-9.42	-11.49/-11.45	-11.92/-7.67	-8.08/-7.6		
Θ(150°)	-9.39/-9.01	-10.11/-10.9	-10.89/-11.56	-12.31/-11.15	-10.99/-10.05	-9.45/-9.35	-8.63/-10.28	-11.07/-10.31	-10.22/-12.17	-11.86/-10.31	-10.73/-9.13	-7.89/-7.92	-10.25/-11.0	-10.02/-8.47	-9.81/-11.15	-11.53/-12.05	-12.1/-11.77	-10.71/-10.72	-9.96/-9.39	-10.96/-11.1	-11.7/-10.07	-9.15/-10.43	-9.94/-8.24	-9.91/-9.99	
Θ(157.5°)	-11.98/-12.08	-11.38/-10.9	-11.4/-10.72	-9.34/-9.11	-9.5/-10.13	-9.97/-8.61	-8.43/-9.93	-10.1/-8.66	-8.34/-8.71	-9.4/-8.43	-9.19/-11.2	-12.63/-11.15	-10.88/-10.75	-9.24/-9.74	-11.23/-11.6	-11.21/-12.2	-12.9/-12.45	-12.04/-10.56	-10.37/-11.08	-11.06/-10.67	-10.17/-9.9	-9.89/-10.64	-9.92/-8.42	-8.54/-10.84	
Θ(165°)	-8.59/-9.28	-9.31/-8.92	-8.29/-8.56	-8.2/-8.33	-8.91/-10.24	-9.86/-10.01	-8.73/-8.92	-8.15/-8.05	-8.12/-9.07	-8.92/-8.63	-7.94/-7.66	-8.28/-9.6	-10.74/-9.29	-8.95/-9.44	-9.72/-10.6	-10.84/-10.8	-9.65/-9.69	-9.13/-8.71	-7.89/-8.33	-8.71/-8.81	-9.26/-9.6	-10.09/-10.18	-10.15/-9.5	-9.89/-8.65	
Θ(172.5°)	-11.57/-11.3	-10.14/-10.1	-10.37/-9.96	-10.22/-10.29	-9.26/-9.6	-9.47/-9.42	-8.82/-8.32	-8.31/-8.43	-7.39/-7.47	-6.91/-6.31	-5.68/-6.39	-7.05/-8.29	-10.61/-12.1	-11.07/-11.01	-10.43/-10.44	-9.64/-8.78	-8.14/-8.84	-8.98/-9	-9.21/-10.47	-12.03/-12.2	-12.26/-12.54	-11.7/-11.26	-10.57/-9.91	-9.34/-11	
Θ(180°)	-12.08/-12.28	-12.39/-12.17	-11.36/-11.22	-10.78/-9.83	-9.29/-9.06	-9.17/-10.12	-10.35/-9.94	-8.65/-8.76	-8.83/-9.47	-9.3/-9.32	-9.42/-9.28	-8.92/-8.74	-9.34/-9.14	-9.35/-10.78	-11.8/-11.73	-12.55/-11.62	-11.34/-10.77	-10.78/-10.35	-10.89/-12.47	-12.08/-11.57	-10.67/-10.87	-10.2/-10.66	-10.25/-9.78	-9.67/-11.22	
Freq(Hz)	5.2G/Pol.	Theta-L	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°)	-6.29/-7.43	-7.56/-6.24	-4.98/-3.71	-2.92/-2.29	-1.57/-1.08	-0.48/-0.25	-0.2/-0.1	-0.27/-0.32	-0.72/-0.88	-1.29/-1.87	-2.63/-3.54	-4.1/-5.24	-6.4/-8.17	-7.73/-6.63	-5.53/-4.21	-2.61/-1.66	-1.04/-0.57	-0.06/0.54	0.87/0.9	0.83/0.78	0.58/0.28	-0.02/-0.41	-1.35/-2.37	-3.57/-4.9	
Θ(7.5°)	-3.69/-4.33	-4.81/-5.12	-4.13/-3.08	-2.22/-1.37	-0.61/0.1	0.46/0.91	1.02/1.04	1.16/1.18	0.85/0.37	-0.39/-1.03	-2.04/-2.74	-3.8/-4.86	-5.31/-5.01	-4.66/-4.1	-2.91/-2.35	-1.74/-1.13	-0.84/-0.31	0.22/0.53	0.58/0.45	0.08/0.06	-0.02/-0.54	-1.05/-1.25	-1.57/-2.03	-3.18/-3.85	
Θ(15°)	-1.05/-0.6	-0.38/-0.69	-1.05/-1.04	-0.72/-0.01	0.41/0.81	1.04/1.05	0.81/0.1	1.34/1.53	1.36/0.91	0.28/-0.34	-1.21/-8.6	-2.31/-2.53	-2.95/-3.42	-3.76/-3.67	-2.8/-2.27	-1.72/-1.02	-0.49/0.06	0.26/0.43	0.54/0.58	0.59/0.43	0.03/-0.54	-1.11/-1.59	-1.92/-1.87	-2.4/-2.01	
Θ(22.5°)	-0.35/0.25	0.33/-0.16	-0.87/-1.43	-1/-0.45	-0.31/0.37	1.06/1.46	1.24/1.13	0.94/0.77	-0.07/-0.95	-2.34/-3.13	-3.33/-2.47	-1.88/-1.65	-1.36/-1.31	-1.7/-2.25	-1.46/-0.73	0.21/0.72	1.29/1.54	1.48/1.4	1.21/3.1	1.20/8.1	0.4/-0.05	-0.6/-0.67	-0.74/-0.96	-0.99/-0.87	
Θ(30°)	-0.31/-0.25	-0.96/-0.99	-0.76/-0.93	-0.67/0.1	0.2/0.72	1.34/1.45	0.95/0.48	0.43/0.37	-0.03/-0.47	-1.08/-1.95	-2.91/-2.6	-1.26/-0.14	-0.10/-0.88	-1.69/-2.52	-1.55/-0.89	-0.28/0.59	1.6/2.41	3.33/3.88	3.88/3.79	3.32/2.75	1.72/0.76	1.01/0.76	1.27/0.88	1.41/-0.48	
Θ(37.5°)	0.73/0.48	-0.36/-0.64	0.16/0.57	0.43/0.84	0.72/0.84	0.85/0.74	0.70/48	0.12/0.54	0.82/0.73	0.91/0.35	-1.28/-1.96	-0.44/0.85	0.51/0.91	-1.6/-1.74	-0.59/0.01	0.22/0.27									



Radiated Composite Gain Data of Radio 2 5GHz-4TX (EUT 1)

Appendix D

Θ(15°)	0.91/29	1.7/2.15	2.51/2.62	2.15/1.9	1.18/0.22	-0.79/-1.74	-3.14/-3.88	-3.13/-1.48	-0.3/0.66	1.2/1.46	1.39/0.97	0.84/1.21	1.28/1.08	1.07/0.83	0.41/-0.15	-0.89/-1.57	-2.15/-2.39	-2.51/-2.73	-3.04/-3.13	-3.25/-3.39	-3.42/-3.2	-2.71/1.81	-0.59/0.21	0.63/0.64
Θ(22.5°)	3.35/3.07	3.08/3.44	3.74/3.81	3.31/2.45	1.4/0.56	0.53/0.82	0.59/0.29	0.76/1.38	2.03/2.47	2.79/2.88	2.57/2.4	2.14/2.19	2.65/2.55	2.32/2.18	2.18/2	1.68/2.13	0.82/0.7	0.34/-0.22	-0.62/-0.81	-1.02/-1.02	-0.97/-0.9	-0.35/0.41	1.42/2.21	3.09/3.39
Θ(30°)	4.5/4.6	4.04/3.63	3.36/2.87	3.37/3.87	3.7/2.98	2.12/2.34	2.77/2.26	1.89/2.2	2.88/2.97	2.52/4.1	2.84/3.33	3.44/3.39	3.21/2.55	2.24/2.11	2.54/2.82	2.76/2.3	1.98/1.54	0.83/0.22	0.13/0.09	0.17/0.44	-0.02/-0.59	-0.04/0.73	1.58/2.44	3.26/3.8
Θ(37.5°)	4.61/5.57	5.32/4.3	3.63/6.2	3.83/3.36	3.23/3.21	2.41/2.12	3.08/3.36	2.78/2.66	2.39/1.88	1.66/2.22	2.73/3.09	4.13/4.52	4.07/3.16	3.01/2.52	2.11/8.9	1.68/1.44	1.96/2.19	2.09/1.88	1.62/0.95	0.97/1.05	0.61/0.41	0.43/1.27	2.63/3.18	2.96/3.48
Θ(45°)	4.24/5.22	4.98/4.24	3.77/3.59	3.77/3.73	3.23/2.74	2.07/2.35	3.44/4	3.66/2.74	1.31/0.96	2.01/3.42	4.18/4.54	5.02/5.13	4.6/4.42	3.81/2.62	1.0/56	0.62/1.8	2.38/2.51	2.55/2.27	1.56/0.56	-0.0/36	0.35/0.78	1.11/1.62	2.46/3.36	3.36/3.68
Θ(52.5°)	4.14/5.1	5.05/4.66	3.88/2.68	2.38/3.48	3.96/3.03	1.54/0.65	2.47/3.56	3.15/1.87	1.09/1.4	2.22/8.9	3.73/4.47	5.02/4.74	3.97/3.82	2.75/2.17	1.82/1.44	0.55/1.44	1.91/1.95	2.42/2.14	1.13/0.29	-0.36/0.51	0.66/0.55	0.42/1.21	2.51/3.36	3.87/4.15
Θ(60°)	4.36/4.68	4.8/4.5	4.26/3.5	2.86/3.37	3.02/2.34	1.63/1.25	2.28/1.99	1.43/0.2	-0.38/-0.19	-0.14/0.4	1.93/3.48	3.86/3.83	3.17/3.18	2.49/2.06	1.35/0.46	0.13/0.56	0.76/0.49	1.67/1.87	1.09/0.26	0.88/1.92	1.63/1.56	0.99/0.9	2.24/3.21	3.86/4.76
Θ(67.5°)	3.64/3.63	3.61/4.15	4.06/3.82	1.9/1.46	1.86/2.11	2.27/1.54	1.59/1	0.83/-0.07	-0.55/-0.81	-0.45/0.54	2.02/3.64	3.46/3.42	3.18/3.23	2.77/2.13	1.43/1.16	1.04/1.36	1.01/0.69	1.76/2.5	1.42/0.07	1.76/3.37	2.96/2.53	1.58/1.33	2.54/3.65	3.61/3.86
Θ(75°)	2.48/2.46	2.23/18	2.39/3.06	1.12/0.44	1.22/1.04	2.28/1.86	0.84/0.47	1.37/0.67	0.45/-0.91	0.49/1.64	1.83/44	2.85/3.05	3.54/3.54	2.42/0.98	0.72/1.16	1.73/2.19	1.75/0.5	0.71/57	0.63/-0.16	2.28/3.95	3.69/2.37	1.53/0.76	1.54/2.43	1.93/2.47
Θ(82.5°)	0.54/0.64	-0.14/1.47	0.26/2.11	-0.07/-0.87	0.55/0.11	1.18/0.42	-1.22/0.25	1.13/-0.33	0.28/-1.02	0.05/1.16	1.18/2.91	2.29/1.98	1.92/0.2	0.79/-0.89	-0.17/0.86	2.25/3.12	2.11/0.11	0.43/0.87	-0.57/0.17	2.66/3.78	3.74/2.48	1.24/0.68	0.97/0.91	0.72/0.7
Θ(90°)	-1.22/-0.93	-1.36/0.09	-1.48/0.07	-1.76/-1.26	-0.41/-1.1	-0.38/-0.75	-3.08/-1.2	0.17/-1.38	-0.57/-2.07	-1.58/-0.73	-0.16/1.01	0.87/0.16	-0.62/0.37	-1.12/-2.86	-1.63/-0.38	1.12/2.45	1.68/-1.39	-1.27/-0.7	-2.06/-0.68	1.37/2.19	2.74/1.73	0.22/-0.35	-0.08/-0.23	-0.74/-1.05
Θ(97.5°)	-3.07/-2.91	-3.28/1.62	-2.02/-1.59	-2.63/-2.12	-1.72/-2.3	-2.79/-3.32	-3.88/2.63	-1.88/-3.14	-2.31/-2.71	-2.85/2.68	-1.28/0.78	-1.43/-2.09	-2.81/-1.97	-2.75/-4.87	-4.05/-2.42	-0.64/0.16	-0.06/-3.76	-3.45/-3.24	-3.6/-2.92	-0.82/1.04	-0.01/-0.3	-1.27/1.54	-1.19/-1.3	-1.91/-3.47
Θ(105°)	-4.56/4.59	-4.41/-5.24	-3.97/-3.9	-2.95/-4.42	-3.78/-2.62	-3.2/-5.99	-4.74/-3.42	-3.87/-3.97	-4.1/-5.51	-4.8/-5.03	-2.25/-4.13	-3.28/-4.51	-4/-2.45	-2.97/-5.52	-6.31/-4.9	-3.08/-3.24	-3.56/-7.38	-5.84/-6.3	-5.98/-5.51	-3.71/-1.64	-2.66/-1.44	-2.53/-3.75	-0.82/-1.2	-1.81/-4.02
Θ(112.5°)	-4.87/-3.33	-7.18/-7.6	-6.94/-7.25	-5.61/-6.7	-6.02/-4.51	-3.71/-5.92	-6.26/-6.04	-5.86/-5.44	-5.86/-6.26	-5.27/-7.45	-5.13/-6.71	-6.63/-7.21	-3.65/-3.64	-4.9/-7.31	-5.15/-4.86	-5.07/-5.47	-5.59/-6.12	-5.88/-6.58	-7.44/-6.31	-3.31/-2.61	-3.91/-3.03	-3.26/-3.77	-3.87/-3.77	-3.06/-3.12
Θ(120°)	-5.36/-7.68	-8.15/-9.18	-10.4/-7.79	-7.59/-7.06	-6.84/-7.64	-5.52/-6.35	-8.72/-10.6	-4.69/-6.76	-9.41/-7.86	-6.02/-7.4	-9.06/-8.8	-7.5/-6.63	-3.75/-3.67	-6.22/-7.62	-7.65/-4.51	-4.24/-5.01	-6.43/-7.71	-8.38/-7.78	-8.11/-6.28	-4.41/-4.25	-4.44/-3.3	-5.67/-5.17	-4.57/-4.37	-6.25/-3.1
Θ(127.5°)	-7.05/-9.04	-8.39/-9.58	-10.05/-8.26	-10.67/-8.65	-8.81/-11.2	-8.36/-8.6	-10.27/-11.25	-9.62/-10.16	-10.7/-9.23	-8.5/-8.84	-10.5/-7.76	-9.54/-7.73	-7.15/-4.79	-8.8/-8.2	-8.85/-6.77	-7.64/-7.42	-9.55/-8.69	-8.84/-6.86	-9.2/-7.79	-6.91/-6.3	-6.65/-6.91	-6.03/-7.16	-5.92/-5.29	-4.74/-5.57
Θ(135°)	-6.78/-7.94	-6.74/-8.38	-11.52/-9.13	-10.83/-10.63	-12.36/-10.47	-9/-9.19	-10.65/-11.65	-10.71/-9.46	-9.72/-8.89	-8.47/-9.54	-11.43/-10.47	-8.22/-5.65	-5.6/-6.56	-8.99/-7.93	-8.56/-8.54	-9.54/-7.78	-11.08/-9.04	-8.72/-7.76	-8.59/-8.25	-7.8/-7.12	-8.2/-5.5	-7.3/-8.21	-8.54/-8.23	
Θ(142.5°)	-2.47/-7.69	-8.35/-8.78	-7.94/-9.51	-9.64/-9.7	-11.26/-10.49	-12.81/-10.67	-10.85/-11.49	-8.85/-10.19	-10.89/-8.16	-9.46/-9.43	-7.33/-10.13	-9.62/-6.91	-5.84/-10.37	-11.35/-10.44	-10.88/-10.81	-8.11/-10.57	-9.46/-8.47	-10.05/-6.35	-7.71/-9.14	-10.03/-8.97	-10.2/-8.67	-7.37/-5.84		
Θ(150°)	-8.17/-8.53	-11.1/-9.79	-8.64/-8.49	-11.42/-12.56	-9.44/-9.13	-10.94/-9.34	-8.21/-2.07	-9.3/-9.09	-11.22/-11.88	-10.38/-9.37	-7.57/-8.38	-10.64/-10.37	-9.33/-11.73	-9.69/-7.65	-9.54/-10.61	-12.51/-12.85	-12.13/-11.99	-10.9/-10.82	-11.11/-11.48	-12.12/-12.01	-12.14/-12.25	-10.36/-10.3	-10.64/-8.31	-6.59/-6.87
Θ(157.5°)	-10.76/-12.16	-11.69/-11.04	-10.75/-11.27	-11.27/-10.74	-9.05/-8.46	-8.78/-9.35	-9.39/-10.56	-9.01/-8.56	-8.44/-9.48	-9.47/-8.81	-9.83/-10.95	-10.93/-10.69	-11.81/-9.97	-8.7/-9.7	-11.68/-12.27	-12.57/-11.32	-11.45/-10.74	-10.98/-11.05	-10.72/-11.11	-10.99/-11.6	-11.34/-12.56	-11.44/-9.32	-9.24/-10.35	-11.51/-10.69
Θ(165°)	-10.96/-11.66	-11.11/-10.28	-9.06/-8.63	-8.38/-8.65	-8.16/-7.95	-9.17/-10.91	-10.38/-9.67	-7.71/-7.58	-7.89/-7.94	-8.4/-8.21	-8.42/-8.79	-8.77/-8.32	-7.49/-6.56	-6.97/-8.35	-10.33/-11.67	-12.04/-11.02	-11.19/-10.78	-9.93/-8.89	-8.61/-8.97	-9.49/-10.77	-9.41/-9.78	-8.72/-8.89	-10.34/-10.05	-9.64/-9.84
Θ(172.5°)	-11.57/-12.33	-11.21/-10.82	-11.68/-11.51	-11.15/-10.25	-10.58/-10.57	-10.63/-10.91	-10.36/-9.44	-8.21/-7.9	-6.81/-6.54	-6.8/-7.46	-8.65/-9.65	-10.19/-11.56	-11.81/-12.48	-12.26/-12.17	-11.73/-10.8	-10.86/-10.35	-10.37/-11.09	-10.55/-9.97	-9.84/-9.91	-11.51/-12.15	-12.26/-12.65	-11.71/-11.81	-11.94/-11.49	-11.08/-10.26
Θ(180°)	-12.18/-11.96	-12.34/-12.4	-11.25/-11.08	-11.43/-11.9	-11.86/-11.52	-11.11/-11.04	-10.49/-10.35	-10.07/-9.84	-8.72/-7.75	-7.9/-8.6	-8.84/-9.28	-9.64/-9.54	-9.32/-9.93	-9.79/-10.5	-11.76/-11.05	-10.64/-9.99	-9.85/-9.62	-10.18/-10.82	-12.31/-12.43	-12.39/-12.04	-11.85/-11.62	-11.76/-11.27	-11.42/-12.21	-12.39/-12.19
Freq(Hz)	5.66/Pol.	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°)	-3.23/-3.9	-2.78/-1.91	-1.37/-0.89	-0.08/0.19	0.55/0.72	1.01/1.06	0.7/0.52	0.47/0.62	0.4/0.01	-0.59/-1.05	-1.73/-2.55	-3.42/-4.27	-4.25/-4.77	-4.93/-4.51	-3.88/-3.23	-2.13/-1.4	-0.74/-0.21	-0.08/0.47	0.6/0.94	1.09/0.68	0.3/-0.3	-0.79/-1.34	-2.54/-3.49	-3.95/-3.6
Θ(7.5°)	-3.73/-4.35	-5.12/-5.72	-5.85/-6.51	-4.81/-3.47	-2.57/-1.42	-0.62/-0.33	-0.01/0.23	0.25/0.55	-0.19/-0.34	-0.91/-1.42	-3.05/-3.41	-3.16/-3.42	-3.05/-3.59	-2.77/-2.28	-1.13/-0.78	-0.67/-0.38	-0.52/-0.34	-0.12/0.08	0.14/0.05	0.12/0.14	0.22/-0.15	-0.73/-0.73	-1.26/-1.85	-2.62/-3.06
Θ(15°)	-3.19/-3.14	-3.12/-3.45	-3.28/-3.33	-3.21/-2.55	-2.2/-1.8	-1.41/-1	-0.63/-0.32	-0.36/-0.38	-1.07/-1.75	-2.08/-1.9	-2.3/-2.62	-2.74/-2.94	-3.05/-2.89	-2.95/-2.32	-1.1/-0.74	-0.82/-1.08	-1.36/-1.12	-0.56/-0.08	-0.22/-0.27	-0.24/-0.17	-0.09/-0.26	-0.61/-1.18	-1.71/-2.18	-2.79/-2.81
Θ(22.5°)	-2.21/-2.16	-2.22/-3.06	-2.87/-3	-3.36/-2.9	-2.31/-1.66	-1.17/-0.98	-0.66/-0.4	-0.08/0.03	-0.54/-1.78	-3.09/-3.58	-2.89/-3.13	-3.31/-3.13	-3.54/-3.98	-3.91/-2.86	-1.5/-0.92	-0.52/-0.23	0.37/1.09	2.06/2.65	2.72/7.8	2.35/1.8	1.24/0.9	0.49/-0.04	-0.55/-1.25	-1.59/-1.95
Θ(30°)	-0.71/-0.65	-1.42/-1.23	-1.56/-2.33	-1.88/-1.17	-0.15/0.5	0.57/0.48	0.59/0.31	0.49/0.58	-0.17/-1.82	-2.86/-2.64	-2.25/-2.33	-2.26/-2.06	-2.9/-3.29	-3.57/-2.38	-0.2/0.65	0.8/0.51	1.05/2.32	3.15/3.41	3.11/2.86	2.46/2.6	2.32/1.47	0.8/0.27	-0.79/-1.19	
Θ(37.5°)	0.56/0.87	0.58/0.34	-0.33/-0.24	0.7/0.83	0.47/0.27	0.62/1.17	1.05/0.16	-0.07/1.04	1.21/0.85	0.11/0.96	-1.0/-0.78	-0.71/-0.53	-0.6/-1.2	-1.21/0.29	1.21/3.98	2.21/2.19	1.56/1.29	2.24/2.8	3.24/2.27	2.97/2.62	2.75/2.38	3.61/2.95	2.33/1.38	0.42/0.07
Θ(45°)	2/1.9	1.08/1.07	0.87/0.4	1.77/2.18	2.18/1.72	0.97/1.52	1.92/0.89	1.07/1.06	1.61/1.46	0.87/0.01	1.62/1.97	1.77/2.14	1.67/1.25	0.95/1.28	2.69/2.87	2.93/2.54	1.67/1.28	2.09/2	1.96/2.18	2.41/2.84	2.89/2.69	3.27/3.13	3.06/2.25	1.39/1.14
Θ(52.5°)	1.33/1.37	0.67/1.31	1.79/0.83	2.46/3.27	3.22/2.36	1.28/1.13	2.03/1.97	1.18/1.85	2.15/2.23	2.56/1.3	3.01/2.77	2.63/2.83	2.33/2.45	2.33/2.51	2.03/2.8	2.32/2.64	2.03/2.8	1.5/1.13	2.43/2.24	1.93/2.37	1.88/1.99	2.86/2.58	2.67/1.99	2.86/2.62
Θ(60°)	0.68/1.42	1.11/1.89	1.77/2.05	3.86/2.92	2.44/2.85	2.04/1.4	0.79/1.3	1.47/2.12	2.89/3.05	3.77/2.59	2.52/2.57	2.46/2.66	1.98/2.15	2.12/1.43	2.03/2.41	2.42/2.66	1.45/1.87	3.02/3.6	2.15/2.36	2.51/2.2	2.34/2.56	2.62/1.25	1.6/2.84	2.15/0.53
Θ(67.5°)	-1.33/0.75	1.37/2.26	1.26/2.43	4.02/2.31	2.63/2.33	1.11/0.36	-0.93/0.05	0.84/2.37	2.62/2.89	3.97/3.07	2.2/7.6	3.06/2.69	0.88/0.95	1.12/1.83	1.06/1.45	2.71/3.03	2.07/2.83	2.37/2.24	2.07/1.64	2.71/2.96	2.05/1.74	2.15/0.61	0.58/2.55	2.25/0.32
Θ(75°)	-2.59/-0.16	0.11/1.4	0.14/2.06	3.05/																				



Radiated Composite Gain Data of Radio 2 5GHz-4TX (EUT 1)

Appendix D

Θ(22.5°)	-3.27/-0.04	-4.76/-4.96	-4.37/-3.74	-3.69/-4.77	-5.81/-6.5	-6.06/-4.62	-3.29/-2.44	-1.84/-1.98	-2.38/-2.69	-3.13/-3.89	-5.08/-6.34	-6.11/-4.58	-3.45/-3.65	-4.57/-4.9	-4.56/-3.71	-2.8/-2.13	-1.59/-1.12	-1.04/-1.32	-1.75/-2.56	-3.3/-3.75	-3.76/-3.27	-2.69/-2.31	-2.02/-2.03	-2.13/-2.62
Θ(30°)	-0.24/-0.84	-2.01/-2.77	-2.64/-2.42	-1.74/-1.09	-1.18/-2.22	-2.4/-1.24	-0.31/-1.1	-2.3/-4.9	-4.17/-1.48	-3.65/-3.33	-2.74/-2.17	-1.91/-1.28	-1.4/-1.49	-0.89/-0.5	-0.28/-0.4	-0.79/-1.51	-2.3/-3.32	-4.01/-4.5	-4.94/-4.47	-3.03/-1.55	-0.63/-0.21	-0.12/-0.04		
Θ(37.5°)	0.31/-1.17	1.07/-0.11		-0.89/-0.67	0.23/-0.93	0.71/-0.3	-0.78/-0.56	1.66/-1.81	0.9/-0.47	-2.43/-3.94	-2.71/-3.42	-2.33/-1.77	-1.01/-0.69	-1.08/-1.35	-0.83/-0.43	-0.88/-1.95	-1.51/-1.62	-0.19/-0.04	0.34/-0.04	0.28/-0.28	-1.1/-1.71	-2.71/-2.09	-1.74/-0.85	0.22/-0.47
Θ(45°)	0.55/-1.12	1.73/-1.45	0.39/-0.06	0.89/-0.04	2.35/-1.08	-0.22/-0.72	1.65/-1.78	1.2/-0.13	-1.58/-1.82	-0.58/-0.87	1.62/-1.43	1.66/-0.04	2.04/-2.24	1.38/-0.16	-1.54/-2.45	-1.5/-0.14	0.51/-1.05	1.38/-1.24	0.89/-0.27	-0.17/-0.09	0.25/-0.7	0.12/-0.17	0.74/-1.31	1.02/-0.49
Θ(52.5°)	2.16/-2.21	2.15/-1.69	1.02/-0.29	-0.42/-1.95	2.91/-1.47	-0.52/-0.74	0.18/-0.28	-1.05/-1.99	-0.02/-0.96	0.68/-0.04	2.92/-2.79	2.78/-0.03	1.53/-0.69	-1.45/-1.9	-1.11/-0.61	-0.28/-0.32	0.91/-1.5	1.08/-0.77	-0.33/-0.95	-0.55/-0.72	1.14/-1.26	0.07/-1.05	-0.75/-0.73	1.58/-1.99
Θ(60°)	2.17/-2.59	2.55/-2.18	1.69/-0.19	-1.11/-0.92	2.09/-1.48	0.35/-0.12	0.43/-0.39	-2.14/-2.76	-2.47/-2.75	-2.44/-0.71	0.91/-1.25	-0.02/-0.71	-2.05/-3.81	-3.59/-1.61	-1.29/-1.44	-0.97/-0.9	-0.64/-0.54	-1.80/-0.65	0.56/-0.38	0.36/-1.69	1.19/-0.53	-1.06/-1.37	-0.78/-0.44	1.48/-1.79
Θ(67.5°)	1.56/-1.85	1.85/-1.69	1.53/-0.14	-2.2/-0.48	1.51/-2.03	0.82/-0.18	-0.49/-0.5	-0.26/-0.56	-1.45/-2.55	-2.73/-2.16	-0.81/-0.44	-0.47/-0.57	-0.07/-1.07	-1.17/-0.66	0.03/-0.34	0.5/-0.22	-0.46/-0.4	0.55/-1.76	1.37/-0.17	0.72/-2.29	1.40/-35	-0.36/-0.44	-0.38/-0.08	1.0/-88
Θ(75°)	0.73/-0.66	0.48/-0.29	0.77/-0.64	-3.28/-2.12	0.13/-1.17	0.27/-1.79	-2.41/-0.89	0.5/-0.44	-1.39/-2.14	-1.64/-1.18	-0.39/-0.33	0.42/-0.96	1.92/-0.85	0.58/-0.57	-0.45/-0.24	0.98/-0.57	0.24/-1	-0.24/-1.53	1.89/-0.62	0.97/-1.89	0.78/-1.01	-0.66/-0.39	-0.37/-0.15	0.17/-0.05
Θ(82.5°)	-1.06/-1.05	-0.94/-1.13	-1.02/-2.15	-4.42/-4.01	-1.47/-0	-1.31/-4.27	-5.35/-4.24	-0.18/-0.17	-2.14/-2.04	-1.68/-1.75	-1.39/-1.91	-0.01/-1.18	1.66/-0.81	0.2/-55	-1.65/-0.31	1.11/-42	0.7/-1.35	-0.26/-1.25	1.46/-0.5	1.02/-151	1.07/-2.37	-1.19/-0.41	-1.22/-0.99	-0.96/-1.38
Θ(90°)	-2.74/-2.47	-2.99/-2.98	-2.85/-3.97	-5.82/-5.63	-3.57/-1.67	-3.35/-7.15	-9.38/-4.43	-1.94/-1.91	-3.94/-4.26	-3.49/-2.95	-3.29/-3.72	-1.37/-0.25	-0.2/-1.02	-1.44/-4.61	-4.4/-1.88	0.02/-0.72	0.23/-4.06	-2.42/-0.19	1/-0.68	-0.33/-0.6	-1.71/-3.79	-2.65/-1.5	-2.78/-2.63	-2.5/-3.17
Θ(97.5°)	-4.35/-4.87	-4.96/-4.41	-4.92/-0.63	-7.01/-7.13	-6.32/-3.79	-6.02/-10.29	-12.91/-6.73	-4.82/-3.81	-6.66/-6.36	-6.35/-5.71	-6.13/-6.58	-3.44/-2.31	-2.63/-3.19	-3.69/-4.79	-8.74/-5.07	-1.94/-1.49	-1.57/-6.92	-5.41/-3.04	-1.15/-3.17	-2.42/-1.27	-4.71/-5.69	-4.19/-3.49	-4.81/-3.96	-3.73/-4.73
Θ(105°)	-6.84/-6.78	-6.36/-6.63	-6.97/-7.57	-9.07/-9.1	-9.71/-7.1	-7.73/-12.12	-13.27/-9.75	-8.38/-6.67	-9.33/-9.62	-10.29/-9.61	-9.57/-9.36	-6.14/-5.15	-4.97/-5.98	-6.14/-10.02	-14.12/-13.02	-6.52/-5.54	-5.85/-13.55	-4.94/-4.95	-8.22/-6.68	-5.74/-4.96	-5.59/-5.49	-5.59/-5.6	-5.81/-6.38	
Θ(112.5°)	-9.44/-8.56	-7.47/-8.39	-8.98/-10.31	-11.73/-12.74	-10.09/-8.51	-9.94/-13.58	-13.33/-12.68	-11.39/-8.06	-9.85/-12.63	-10.77/-11.28	-10.9/-10.77	-9.82/-8.8	-7.69/-9.02	-8.55/-13.76	-16/-12.44	-7.89/-9.13	-12/-12.64	-10.45/-12.88	-7.68/-9.03	-6.25/-6.95	-9.69/-9.06	-7.87/-7.95	-8.29/-7.46	-7.68/-8.4
Θ(120°)	-11.92/-9.89	-9.58/-11.38	-11.77/-12.73	-13.51/-15.35	-11.46/-10.82	-11.98/-15.34	-16.81/-15.85	-11.43/-11.29	-14.52/-14.36	-13.51/-14.44	-14.66/-12.59	-12.2/-9.38	-9.97/-8.84	-10.11/-14.07	-16.58/-10.34	-8.62/-7.99	-10.02/-18.9	-13.35/-10.34	-7.43/-6.98	-6.85/-8.94	-10.99/-11.56	-10.36/-8.62	-9.85/-9.54	-10.79/-10.95
Θ(127.5°)	-12.65/-12.94	-14.52/-15.05	-15.03/-15.35	-16.11/-16.94	-15.21/-15.31	-12.07/-15.33	-17.83/-15.83	-12.31/-14.18	-16.24/-17.25	-14.8/-16.97	-16.51/-13.79	-14.39/-11.48	-11.47/-8.16	-12.62/-14.9	-18.23/-14.57	-13.6/-18.12	-16.17/-10.7	-10.34/-8.68	-10.53/-12.98	-16.08/-14.34	-9.56/-12.71	-14.26/-10.63	-11.67/-11.72	
Θ(135°)	-13.82/-15.73	-14.42/-14.81	-15.91/-15.22	-15.37/-18.9	-18.1/-18.22	-16.19/-18.1	-19/-18.48	-15.37/-13.63	-17.36/-17.18	-14.2/-18.02	-18.89/-17.98	-15.23/-14.34	-15.54/-12.52	-14.89/-18.89	-18.84/-17.35	-18.32/-13.84	-18.87/-19.47	-18.66/-17.88	-14.05/-11.84	-14.78/-14.4	-13.05/-13.17	-10.65/-14.35	-19.14/-13.58	-14.71/-15.54
Θ(142.5°)	-16.2/-13.19	-14.59/-16.58	-16.9/-15.28	-17.46/-18.8	-18.67/-14.83	-18.22/-18.31	-19.21/-18.83	-13.55/-13.36	-18.74/-17.63	-17.62/-17.64	-17.82/-19.62	-15.23/-12.24	-15.16/-18.14	-19.26/-18.08	-16.87/-15.59	-13.16/-16.34	-18.29/-18.7	-14.62/-13.41	-11.86/-10.61	-15.37/-15.94	-17.86/-18.47	-15.89/-13.49	-16.59/-14.21	-18.89/-16.05
Θ(150°)	-17.37/-19.37	-17.55/-17.44	-19/-17.52	-18.21/-18.54	-19.51/-19.39	-17.35/-17.81	-18.38/-18.93	-17.69/-17.43	-18.04/-18.35	-19.11/-19.22	-12.21/-15.92	-17.47/-18.01	-13.84/-18.53	-18.7/-16.28	-19/-17.94	-18.79/-19.12	-19.04/-19.22	-14.5/-14.91	-18.27/-17.77	-18.24/-17.62	-16.52/-18.46	-19.23/-19	-19.29/-16.94	
Θ(157.5°)	-17.54/-17.9	-16.27/-18.69	-18.02/-18.67	-17/-16.96	-18.82/-17.48	-17.99/-19.19	-18.53/-18.41	-17.74/-19.6	-15.94/-18.44	-18.61/-18.89	-18.51/-16.46	-15.35/-18.1	-18.04/-18.26	-18.8/-18.51	-18.31/-18.76	-18.18/-18.3	-17.56/-18.01	-18.97/-17.43	-17.25/-18.38	-19.42/-18.73	-17.3/-19.29	-18.87/-17.99	-18.73/-19.27	-18.14/-17.09
Θ(165°)	-19.03/-17.39	-17.2/-18.22	-17.95/-18.24	-18.75/-18.73	-18.34/-18.21	-18.19/-18.81	-18.61/-19.41	-19.31/-19.17	-19.1/-18.23	-18.57/-16.31	-18.49/-18.29	-16.91/-17.51	-18.51/-19.1	-18.07/-18.4	-18.58/-19	-17.39/-17.86	-18.24/-17.87	-16.31/-16	-15.72/-16.07	-17.18/-17.07	-17.71/-17.92	-18.01/-19.04	-18.61/-17.77	-18.5/-18.64
Θ(172.5°)	-18.93/-18.37	-17.53/-18.04	-17.44/-18.23	-17.89/-17.91	-17.9/-18.6	-18.9/-18.23	-17.84/-19.2	-17.89/-18.89	-18.56/-17.96	-18.53/-18.48	-17.89/-18.71	-18.38/-18	-18.68/-18.21	-18.71/-17.52	-18.97/-19	-17.99/-17.96	-19.27/-18.49	-18.24/-19.34	-18.33/-19.2	-18.81/-19.35	-18.62/-18.79	-18.99/-17.69		
Θ(180°)	-18.87/-18.7	-18.82/-19.05	-18.67/-18.38	-18.25/-19.13	-18.14/-18.67	-17.48/-18.19	-18.61/-19.36	-18.15/-19.37	-18.82/-17.75	-19.15/-18.03	-18.52/-18.47	-18.37/-18.39	-18.56/-19.3	-18.32/-18.9	-17.99/-18.97	-19.01/-18.83	-18.3/-18.52	-18.68/-18.94	-19/-18.09	-19.05/-17.76	-17.9/-18.04	-18.73/-19	-18.17/-82	
Freq(Pol)	5.6GPol	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°)	-13.56/-12.97	-12.57/-12.27	-12.43/-11.99	-10.09/-8.98	-8.68/-8.49	-8.4/-8.75	-9.56/-10.48	-11.47/-12.52	-13.35/-15.4	-18.27/-17.85	-18.11/-18	-14.74/-18.79	-14.54/-12.97	-12.65/-11.92	-10.58/-9.75	-9.21/-8.33	-9.29/-8.92	-8.47/-9.35	-7.78/-7.55	-7.61/-7.78	-7.93/-8.21	-8.82/-10.2	-12.01/-13.75	-15.77/-14.09
Θ(7.5°)	-16.3/-16.22	-15.99/-14.49	-12.96/-13.64	-14.91/-13.64	-12.03/-9.63	-9.05/-8.84	-8.52/-8.37	-7.92/-7.39	-7.45/-7.9	-8.55/-9.07	-9.73/-10.02	-11.81/-14.26	-13.88/-11.57	-10.95/-11.57	-10.76/-10.27	-10.65/-11.42	-12/-12.29	-12.29/-12.56	-12.37/-12.67	-14.56/-16.75	-18.45/-18.45	-18.38/-13.71	-19.12/-18.6	-17.55/-16.16
Θ(15°)	-10.1/-10.23	-10.99/-11.33	-10.69/-8.08	-8.97/-8.51	-8.59/-8.95	-9.25/-9.81	-10.11/-10.25	-10.67/-11.49	-12.93/-13.92	-13.96/-13.28	-12.71/-12.14	-15.24/-14.03	-15.96/-15.58	-16.45/-15.29	-13.19/-13.35	-12.71/-18.76	-19.31/-18.76	-19.81/-18.76	-19.38/-17.02	-16.37/-15.29	-15.96/-16.89	-17.83/-18.4	-17.45/-15.58	-14.03/-11.13
Θ(22.5°)	-12.51/-14.7	-17.31/-18.57	-13.9/-11.74	-11.8/-11.2	-10.89/-11.06	-10.35/-10.53	-11.3/-11.76	-11.35/-10.84	-10.6/-11.17	-12.74/-16.88	-17.71/-18.18	-17.26/-16.67	-18.39/-17.92	-15.27/-11.98	-9.43/-8.95	-9.97/-11.45	-13.63/-17.49	-19.12/-18.11	-16.8/-14.15	-14.36/-14.97	-16.15/-15.67	-14.44/-12.79	-11.92/-12.8	-14.18/-12.76
Θ(30°)	-17.13/-18.72	-19.08/-11.38	-11.61/-17.26	-18.09/-18.88	-16.11/-12.79	-11.09/-12	-13.62/-13.81	-11.97/-10.78	-10.28/-11.66	-16.22/-17.3	-18.29/-16.97	-15.14/-14.2	-18.22/-19.3	-18.88/-13.52	-7.47/-6.51	-7.99/-10.05	-14.2/-18.51	-17.8/-12.39	-10.3/-10.67	-10.67/-10.78	-12.68/-13.59	-13.8/-15.15	-15.49/-13.95	-16.95/-19.27
Θ(37.5°)	-19.08/-18.78	-14.14/-10.24	-10.62/-12.67	-14.16/-15.72	-18.23/-18.97	-16.29/-14.15	-17.5/-17.41	-16.12/-14.78	-13.23/-13.06	-17.99/-17.03	-14.72/-17.79	-16.29/-16.18	-18.64/-18.59	-15.7/-11.01	-7.29/-6.63	-7.56/-8.44	-11.45/-18.77	-15.64/-11.84	-10.16/-10.46	-11.81/-11.85	-10.89/-11.09	-11.23/-15.41	-18.93/-19.09	-18.1/-18.1
Θ(45°)	-18.01/-17.8	-18.25/-16.75	-14.94/-12.47	-12.01/-13.84	-15.28/-19.64	-15.56/-12.67	-12.11/-12.51	-12.08/-14.86	-16.52/-17.99	-14.6/-14.66	-14.39/-19.26	-15.63/-12.17	-12.31/-10.41	-12.52/-16.35	-11.93/-10.43	-9.64/-9.09	-11.77/-16.09	-18.37/-18.63	-13.12/-14.31	-14.22/-13.08	-13.12/-14.31	-12.62/-15.4	-19.3/-18.65	-15.5/-18.41
Θ(52.5°)	-17.9/-18.08	-18.48/-18.92	-18.62/-17.53	-15.64/-12.89	-13.96/-19.05	-17.91/-12.97	-11.13/-12.9	-18.41/-18.12	-14.1/-13.79	-10.63/-17	-18.58/-18.16	-16.29/-11.22	-11.92/-11.25	-17.88/-18.26	-18.12/-16.28	-13.09/-10.26	-11.17/-14.12	-16.44/-18.19	-17.97/-18.18	-15.76/-18.54	-17.8/-17.03	-14.35/-17.8	-15.25/-15.98	-15.55/-18.32
Θ(60°)	-18.79/-18.8	-17.85/-17.79	-18.86/-15.56	-14.39/-14.8	-18.36/-16.34	-16.54/-13.51	-11.56/-12.95	-18.59/-18.77	-10.34/-9.76	-11.06/-15.09	-17.57/-18.96	-14.89/-12.66	-13.47/-14.99	-17.43/-18.59	-17.54/-15.83	-14.63/-14.54	-14.55/-15.67	-16.12/-16.31	-15.64/-18.18	-18.38/-18.23	-17.82/-17.99	-15.24/-15.98	-17.98/-18.29	
Θ(67.5°)	-17.95/-18.39	-18/-18.9	-18.5/-19	-17.87/-18.54	-18.24/-18.77	-19.15/-18.55	-16.24/-16.91	-14.58/-14.57	-12.62/-12.42	-14.33/-13.6	-18.03/-18.92	-13.81/-15.11	-1											



Radiated Composite Gain Data of Radio 2 5GHz-4TX (EUT 1)

Appendix D

Θ(75°)	-4.71/4.38	-3.61/2.17	-1.65/2.41	-2.71/1.88	-1.49/2.08	-2.46/3.18	-3.19/2.88	-2.81/1.99	-0.89/-1.68	-3.05/-3.84	-2.16/-1.19	-0.69/-1.05	-2.08/-1.02	-1.83/-3.56	-3.08/-2.62	-3.17/-2.55	-2.9/2.81	-1.47/0.06	0.17/-0.44	-1.28/-1.93	-3.15/-5.73	-5.34/-3.71	-2.18/-1.71	-2.46/-4.24
Θ(82.5°)	-8.05/7.19	-5.81/3.59	-3.16/-4.67	-4.52/-3.48	-3.72/-4.06	-3.85/-4.7	-4.22/-3.99	-3.43/-3.79	-2.67/-3.71	-5.08/-5.1	-3.56/-2.3	-1.94/-2.7	-3.92/-2.87	-4.75/-4.68	-4.87/-3.63	-3.2/-1.95	-2.92/-3.64	-1.97/-0.57	-0.28/-0.65	-1.73/-1.96	-3.25/-5.31	-6.25/-5.01	-3.4/-2.83	-3.73/-6.67
Θ(90°)	-11.18/-10.44	-8.61/-6.52	-4.78/-6.53	-5.68/-5.13	-6.79/-7.64	-7.17/-7.62	-6.68/-6.49	-6.07/-5.47	-5.11/-6.43	-7.29/-6.38	-5.12/-4.42	-4.39/-6	-6.01/-4.86	-6.79/-8.36	-6.92/-5.91	-4.6/-2.98	-3.76/-6.05	-3.75/-1.71	-1.96/-1.95	-2.52/-2.72	-3.9/-5.68	-7.89/-6.72	-4.7/-3.95	-4.76/-9.13
Θ(97.5°)	-13.95/-11.62	-9.74/-10.31	-9.43/9.61	-6.92/-6.56	-7.78/-9.09	-10.2/-10.77	-8.98/-8.96	-9.01/-8.93	-8.97/8.84	-9.48/-8.18	-8.01/-7.17	-6.9/9.87	-8.9/-7.61	-9.1/-10.98	-11.7/-7.86	-7.11/-5.59	-6.95/-10.13	-5.85/-4.6	-5.96/-5.28	-5.8/-5	-7.05/-8.07	-8.78/-7.88	-5.82/-5.93	-7.36/-11.59
Θ(105°)	-16.5/-15.89	-14.51/-14.67	-12.88/-14.28	-9.88/-8.06	-9.71/-11.74	-14.7/-13.67	-12.22/-11.83	-11.44/-12.04	-12.66/-9.91	-10.4/-10.81	-10.69/-10.83	-8.79/-12.9	-11.05/-9.41	-10.75/-13	-11.6/-9.21	-9.22/-8	-9.67/-15.78	-9.74/-8.08	-12.14/-9.93	-8.03/-6.74	-7.47/-9.52	-12.34/-10.73	-7.4/-6.82	-8.02/-13.18
Θ(112.5°)	-15.41/-17.36	-16.03/-15.94	-16.24/-15.26	-12.21/-10.99	-13.07/-12.91	-14.26/-16.75	-15.35/-13.75	-14.85/-18.08	-15.9/-11.14	-11.87/-14.93	-14.04/-14.86	-11.84/-16.5	-14.42/-10.59	-11.1/-12.14	-11.78/-10.82	-10.66/-11.53	-14.75/-17.83	-9.68/-9.35	-13.05/-10.09	-8.38/-7.38	-13.4/-13.63	-9.31/-8.04	-10.41/-11.58	
Θ(120°)	-19.18/-16.59	-17.28/-17.87	-17.5/-18.53	-17.67/-15.89	-17.34/-13.69	-13.88/-15.81	-18.62/-16.4	-16.61/-16.94	-15.11/-12.04	-13.95/-16.55	-11.29/-11.53	-16.88/-18.43	-12.98/-9.9	-13.04/-16.98	-11.56/-10.33	-10.39/-10.79	-14.04/-14.96	-10.8/-9.98	-13.08/-11	-8.23/-8.24	-7.14/-8.65	-11.84/-14.56	-11.55/-9.93	-10.01/-14.33
Θ(127.5°)	-18.63/-16.33	-14.78/-16.52	-18.89/-17.47	-17.92/-18.03	-19.55/-14.09	-14.48/-15.75	-17.7/-19.18	-17.89/-14.16	-12.73/-16.86	-18.57/-19.11	-17.39/-12.66	-18.87/-17.73	-12.99/-11.59	-15.69/-18.16	-18.27/-15.23	-12.73/-17.37	-18.9/-14.86	-12.96/-14.36	-16.35/-15.06	-12.79/-12.18	-12.08/-13.75	-16.6/-17.88	-13.96/-10.19	-9.91/-14.68
Θ(135°)	-16.8/-16.77	-15.36/-17.15	-18.77/-18.39	-18.99/-18.9	-18.92/-18.53	-18.82/-16.5	-18.73/-16.69	-18.33/-18.85	-16.28/-17.07	-18.51/-18.41	-15.32/-13.15	-16.6/-17.58	-16.7/-18.01	-18.78/-18.05	-17.59/-18.21	-15.22/-18.36	-18.54/-18.15	-13.68/-16.39	-18.3/-15.86	-15.27/-14.66	-15.54/-15.82	-19.63/-18.29	-17.24/-12.03	-9.98/-13.29
Θ(142.5°)	-17.09/-17.66	-17.67/-16.03	-17.33/-19.19	-18.22/-17.84	-18.02/-18.51	-17.46/-19.43	-17.83/-18.81	-18.28/-18.84	-18.44/-18.37	-19.05/-19.33	-18.13/-17.96	-19.38/-16.29	-15.85/-18.08	-17.53/-17.93	-18.4/-17.38	-18.5/-17.57	-16.72/-14.96	-12.79/-14.79	-18.26/-17.53	-15.23/-13.93	-14.56/-15.36	-19.63/-18.9	-18.81/-16.66	-15.18/-15.06
Θ(150°)	-15.63/-18.57	-18.53/-18.54	-17.65/-19.12	-17.96/-18.84	-18.05/-18.34	-18.85/-18.47	-18.25/-17.33	-19.13/-18.65	-18.93/-17.66	-18.91/-19.26	-18.03/-12.29	-17.7/-17.85	-17.93/-18.89	-18.6/-16.72	-19.3/-18.62	-18.88/-18.97	-18.01/-16.23	-17.24/-19.35	-18.09/-17.47	-15.41/-16.48	-16.17/-17.43	-17.26/-17.54	-18.25/-18.08	-18.98/-15.55
Θ(157.5°)	-17.46/-18.88	-19.23/-18.18	-19.24/-17.65	-18.29/-19.19	-19.36/-17.91	-18.85/-17.46	-18.05/-18.58	-18.34/-18.59	-16.88/-18.96	-18.31/-19.61	-18.67/-18.54	-18.1/-18.85	-18.65/-18.36	-16.69/-18.05	-18.39/-18.29	-18.64/-18.91	-18.42/-18.72	-18.56/-17.34	-18.35/-18.88	-19.32/-17.13	-18.77/-18.92	-18.57/-18.66	-18.68/-18	-17.71/-16.78
Θ(165°)	-18.96/-17.46	-18.75/-18.75	-17.58/-18.37	-18.17/-18.97	-19.11/-17.93	-18.17/-18.5	-18.12/-18.6	-17.77/-18.65	-17.68/-18.63	-18.44/-18.54	-17.78/-18.91	-17.99/-18.63	-17.54/-18.06	-17.47/-18.83	-18.36/-19.33	-18.96/-19.17	-18.24/-18.46	-16.72/-17.29	-17.26/-17.41	-18.74/-18.66	-18.51/-18.37	-18.31/-18.2	-19.03/-17.46	-17.86/-19.02
Θ(172.5°)	-18.92/-18.93	-17.84/-17.63	-17.29/-17.29	-19.05/-18.52	-18.75/-18.01	-18.91/-18.98	-19.44/-19.13	-17.96/-18.21	-17.42/-18.75	-18.84/-18.4	-17.63/-18.73	-18.92/-19.1	-18.11/-17.47	-17.46/-19.27	-17.76/-17.84	-18.42/-18.19	-17.55/-18.47	-18.11/-18.71	-18.8/-18.29	-19.31/-18.47	-18.39/-19.15	-17.87/-18.21	-18.47/-18.78	-17.55/-17.96
Θ(180°)	-19.21/-18.47	-18.52/-18.6	-18.05/-19.26	-19.17/-19.2	-16.71/-15.67	-15.24/-15.91	-16.83/-18.19	-17.04/-17.54	-17.33/-18.19	-18.56/-18.49	-17.97/-18.65	-18.62/-18.75	-18.9/-17.32	-18.04/-19.03	-18.6/-17.88	-18.73/-18.51	-19.3/-18.59	-18.97/-17.41	-18.3/-19	-17.98/-17.95	-17.2/-17.39	-19.24/-19.13	-18.3/-19.4	
Freq(Hz)	5.2GPdL	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°)	-17.42/-17.79	-17.61/-18.08	-19.14/-18.31	-18.71/-18.53	-19/-18.94	-17.24/-17.2	-19.01/-19.55	-18.28/-18.35	-18.49/-18.33	-17.47/-17.57	-18.13/-19.06	-18.11/-19.26	-17.52/-18.36	-19.02/-17.75	-17.21/-18.89	-18.12/-17.97	-17.38/-18.69	-18.92/-18.7	-18.54/-18.19	-19.4/-18.19	-17.37/-16.14	-15.01/-14.5	-15.12/-16.87	-17.81/-13
Θ(7.5°)	-17.99/-19.61	-17.14/-15.02	-14.04/-14.27	-16.01/-17.59	-18.35/-17.65	-18.27/-18.27	-19.24/-18.78	-17.52/-18.19	-19.23/-18.3	-17.79/-17.56	-19.29/-17.58	-18.79/-18.9	-18.86/-18.65	-17.61/-18.11	-17.53/-18.09	-18.26/-17.86	-18.35/-17.43	-15.16/-14.45	-14.82/-16.18	-18.03/-18.6	-17.71/-15.7	-13.35/-12.12	-12.28/-13.46	-15.49/-19.28
Θ(15°)	-16.85/-15.14	-12.75/-11.56	-10.98/-11.12	-11.59/-11.1	-11.57/-11.68	-12.88/-13.63	-14.34/-15.74	-14.69/-17.4	-15.15/-17	-18.22/-18.64	-14.32/-12.59	-10.89/-10.27	-16.8/-12.35	-15.26/-19.15	-18.43/-19.2	-18.67/-17.86	-18.96/-17.79	-18.5/-16.5	-14.63/-13.26	-12.03/-10.96	-10.75/-10.46	-10.32/-11.2	-13.22/-15.85	-18.79/-18.17
Θ(22.5°)	-15.66/-13.04	-11.51/-11.63	-14.09/-16.26	-13.83/-12.31	-12.91/-13.68	-14.51/-14.54	-13.42/-12.1	-10.76/-9.8	-10.92/-13.51	-13.19/-19.2	-8.74/-8.06	-7.31/-7.84	-10.45/-17.12	-18.71/-19.26	-17.52/-17.92	-19.29/-17.62	-17.96/-17.51	-12.94/-11.54	-10.39/-9.63	-9.47/-10.67	-16.6/-12.28	-14.98/-18.83	-18.29/-18.25	
Θ(30°)	-11.1/-8.56	-7.88/-8.29	-12.19/-18.26	-18.26/-11.72	-9.85/-10.25	-12.54/-15.98	-18.6/-19.27	-16.24/-13.57	-13.32/-13.25	-13.76/-18.29	-16.73/-12.05	-11.9/-16	-7.45/-7.56	-9.29/-14.75	-19.01/-18.84	-18.19/-17.66	-17.85/-17.86	-16.08/-12.75	-11.63/-11.59	-13.48/-15.2	-17.64/-18.83	-16.82/-13.13	-12.61/-15.86	-18.7/-14.36
Θ(37.5°)	-8.48/-7.14	-6.82/-7.26	-9.26/-17.8	-18.3/-8.99	-11.3/-14.29	-14.89/-15.53	-17.56/-17.93	-14.8/-14.26	-13.1/-16.27	-15.7/-17.81	-12.95/-11.4	-10.03/-12.21	-11.86/-13.35	-17.42/-19.43	-18.05/-18.62	-17.12/-16.39	-16.83/-11.89	-11.87/-13.83	-16.93/-17.14	-17.43/-17.25	-12.91/-10.23	-11.19/-16	-11.55/-12.59	
Θ(45°)	-11.58/-10.04	-8.23/-8.28	-9.21/-12.07	-15.55/-11.19	-8.8/-10.91	-11.34/-14.33	-12.15/-11.25	-11.88/-13.52	-15.16/-14.56	-15.76/-13.57	-10.88/-18.31	-14.29/-10.88	-10.72/-11.36	-12.17/-12.91	-14.42/-16.25	-18.52/-18.24	-15.6/-13.42	-13.01/-15.83	-18.17/-17.99	-13.54/-12.11	-10.0/-9.96	-9.74/-15.15	-16.68/-12.44	
Θ(52.5°)	-16.06/-14.49	-9.78/-10.07	-10.53/-10.64	-13.82/-12.99	-11.25/-12.14	-13.19/-11.92	-11.45/-11.71	-11.85/-12.2	-12.61/-13.71	-17.37/-18.78	-17.55/-16.81	-14.6/-17.41	-18.29/-12.58	-9.85/-8.53	-8.46/-9.27	-12.21/-16.19	-18.24/-19.31	-17.67/-18.81	-18.7/-19.07	-18.43/-12.33	-9.84/-10.32	-9.05/-7.56	-10.84/-17.76	-16.07/-13.54
Θ(60°)	-19.13/-18.17	-15.66/-18.31	-13.83/-11.74	-14.12/-14.91	-10.13/-14.77	-11.74/-10.23	-9.7/-10.42	-10.95/-18.66	-14.61/-13.91	-15.7/-19.06	-18.21/-16.53	-10.49/-16.9	-16.74/-17.9	-11.39/-13.1	-13.57/-11.97	-14.08/-16.43	-18.89/-18.29	-18.59/-17.73	-18.58/-19.24	-18.41/-12.88	-9.52/-10.65	-10.56/-8.42	-11.32/-16.47	-13.15/-15.25
Θ(67.5°)	-17.77/-15.49	-16.71/-18.22	-15.36/-14.34	-14.29/-9.91	-11.13/-14.24	-13.34/-11.63	-15.64/-10.42	-12.12/-11.96	-14.39/-16.24	-17.91/-18.34	-14.43/-11.67	-9.11/-7.76	-15.3/-18.54	-11.3/-10.17	-14.23/-13.56	-16.88/-15.44	-17.85/-18.12	-18.38/-18.29	-16.79/-12.44	-9.91/-11.29	-13.87/-11.16	-14.22/-15.53	-14.96/-15.13	
Θ(75°)	-18.07/-18.56	-18.54/-18.25	-18.39/-18.75	-12.71/-10.28	-12.54/-16.05	-17.39/-14.58	-13.03/-12.74	-14.66/-15.92	-16.25/-16.32	-14.1/-16.28	-13.77/-10.7	-9.61/-9.11	-14.54/-18.83	-11.39/-10.37	-10.83/-16.56	-15.72/-14.56	-17.53/-18.72	-18.22/-18.7	-17.74/-15.6	-13.63/-11.14	-9.54/-11.04	-15.23/-14.65	-15.21/-14.63	-15.81/-17.71
Θ(82.5°)	-17.43/-18.64	-18.05/-18.83	-18.35/-19.33	-13.16/-12.76	-14.14/-17.57	-18.86/-18.58	-17.75/-18.23	-18.64/-17.72	-18.21/-16.37	-12.25/-12.56	-16.03/-14.99	-13.49/-15.05	-14.46/-11.02	-9.28/-11.53	-11.89/-16.06	-18.72/-16.61	-15.94/-17.23	-18.04/-16.28	-11.99/-16.05	-12.24/-11.09	-10.31/-11.13	-16.62/-17.93	-17.59/-14.62	-14.41/-17.91
Θ(90°)	-18.27/-17.96	-18.78/-18.28	-18.01/-17.18	-16.84/-18.61	-16.83/-18.26	-18.45/-19.18	-18.45/-19.24	-18.96/-18.71	-17.88/-17.3	-13.88/-14.56	-18.52/-18.19	-17.68/-17.55	-19.48/-13.64	-10.16/-11.22	-11.4/-13.43	-19.41/-16.2	-16.02/-15.66	-16.01/-16.34	-12.41/-11.23	-13.32/-14	-18.39/-17.58	-18.75/-17.29	-17.05/-19.14	
Θ(97.5°)	-18.05/-17.99	-19.29/-18.62	-18.83/-18.17	-17.89/-18.4	-17.65/-17.97	-18.19/-18.74	-18.54/-19.21	-17.94/-18.73	-17.82/-17.33	-13.85/-18.77	-17.8/-18.37	-13.93/-14.34	-13.44/-9.9	-10.2/-16.52	-18.81/-18.76	-18.72/-13.28	-17.89/-15.23	-13.96/-19	-13.45/-11.61	-15.89/-18.81	-15.6/-15.68	-19.12/-18.25	-19.05/-16.72	-18.66/-18.31
Θ(105°)	-17.89/-18.27	-18.45/-18.89	-18.82/-18.95	-17.13/-18.15	-17.53/-18.28	-17.51/-18.7	-17.25/-17.85	-17.9/-18.32	-18.81/-18.01	-19.05/-18.53	-17.76/-18.92	-18.03/-18.65	-15.25/-16.71	-13.68/-18.64	-18.02/-17.46	-17.88/-18.02	-18.9/-18.17	-15.72/-18.39	-17.51/-14.48	-17.54/-18.59	-19.05/-18.06	-18.61/-18.12	-17.25/-17.01	-18.78/-18.35
Θ(112.5°)	-18.02/-19.44	-18.06/-18.42	-17.45/-19.36	-18.85/-17.99	-18.28/-18.06	-18.91/-18.19	-17.97/-18.55	-17.55/-17.26	-17.82/-18.81	-18.93/-18.27	-19													



Radiated Composite Gain Data of Radio 2 5GHz-4TX (EUT 1)

Appendix D

Θ(120°)	-12.18-14	-14.88/-18.49	-19.7/-17.58	-12.21/-10.78	-11.29/-13.95	-11.69/-13.72	-18.41/-18.15	-16.97/-15.46	-16.78/-14.78	-11.47/-13.33	-13.97/-12.89	-11.27/-18.24	-12.15/-7.6	-11.05/-15.67	-15.55/-9.93	-8.44/-8.78	-9.37/-10.79	-10.2/-11.89	-18.54/-17.92	-9.18/-6.59	-4.74/-6.66	-12.31/-14.91	-10.86/-6.48	-7.11/-11.57
Θ(127.5°)	-13.7/-13.45	-13/-18.04	-18.8/-15.9	-15.02/-13.8	-15.61/-18.45	-13.99/-12.8	-15.46/-18.48	-17.67/-18.85	-14.94/-14.42	-13.85/-17.59	-13.42/-14.2	-17.78/-18.46	-14.01/-10	-16.67/-19.07	-19.1/-18.8	-10.92/-9.48	-13.87/-12.75	-11.2/-12.64	-19.37/-18.97	-11.14/-9.39	-7.92/-10.76	-16.36/-16.85	-10.5/-6.31	-7.98/-11.54
Θ(135°)	-11.57/-11.63	-13.1/-16.3	-17.64/-16.7	-16.38/-16.15	-16.36/-19.64	-16.25/-14.12	-14.35/-18.23	-16.49/-17.89	-14.14/-13.99	-15.45/-17.03	-18.76/-15.59	-18.57/-12.85	-13.56/-16.78	-17.73/-18.86	-19.41/-14.14	-10.78/-12.92	-16.32/-15.58	-11.77/-12.47	-17.9/-18.08	-14.82/-13.24	-10.33/-10.74	-13.77/-14.27	-12.21/-10.49	-13.02/-12.04
Θ(142.5°)	-12.79/-14.35	-18.55/-18.39	-17.17/-16.63	-18.12/-16.96	-18.07/-18.52	-19.28/-15.05	-17.57/-17.57	-15.41/-17.45	-17.56/-18.02	-18.65/-18.79	-19.33/-18.62	-17.97/-14.56	-12.29/-18.73	-19.16/-18.17	-18.13/-15.69	-14.38/-18.49	-18.92/-15.25	-13.66/-17.64	-18.82/-18.59	-14.14/-10.42	-10.49/-11.07	-15.11/-18.28	-17.79/-18.18	-13.59/-11.84
Θ(150°)	-14.27/-16.33	-17.82/-15.93	-15.68/-16.36	-17.68/-16.83	-18.32/-16.22	-17.46/-18.24	-17.95/-15.62	-14.15/-16.83	-18.88/-18.37	-18.39/-17.33	-19.14/-16.76	-17.69/-17.54	-18.87/-18.04	-18.17/-17.26	-18.55/-17.24	-18.86/-18.69	-17.78/-16.56	-16.13/-18.71	-18.67/-18.36	-17.8/-17.32	-17.56/-19.03	-18.2/-18.28	-19.42/-12.86	-10.57/-12.8
Θ(157.5°)	-18.9/-18.49	-18.11/-19.28	-18.1/-19.22	-18.5/-17.6	-17.81/-17.43	-18.88/-18.25	-18.24/-16.69	-18.23/-18.98	-18.49/-18.07	-18.97/-18.3	-18.08/-18.32	-17.15/-18.01	-18.58/-18.01	-18.53/-18.48	-17.87/-18.16	-18.32/-18.67	-19.07/-18.42	-17.9/-17.31	-18.94/-18.93	-18.93/-13.8	-12.5/-14.06	-17.52/-17.68		
Θ(165°)	-17.97/-17.92	-18.84/-19.06	-18.42/-18.95	-17.87/-19.04	-18.34/-18.39	-18.57/-18.86	-19.07/-17.66	-16.43/-15.79	-18.57/-18.19	-18.3/-18.59	-18.43/-18.33	-16.28/-15.15	-16.76/-17.8	-18.26/-17.68	-18.98/-18.37	-18.77/-17.64	-18.36/-17.73	-18.55/-17.79	-17.26/-18.48	-18.14/-18.36	-17.27/-19.12	-18.91/-17.83	-18.48/-17.76	-18.01/-18.91
Θ(172.5°)	-18.54/-18.7	-18.19/-18.18	-19/-17.7	-18.99/-18.8	-18.54/-18.18	-18.36/-18.06	-18.49/-18.86	-17.42/-19.92	-18.66/-18.58	-19.2/-18.4	-17.63/-19.23	-18.96/-18.35	-18/-18.54	-18.43/-18.13	-18.4/-18.92	-18.23/-19.21	-19.07/-18.72	-18.35/-18.01	-19.07/-18.13	-17.59/-17.45	-18.24/-18.91	-18.75/-17.3	-19.14/-18.29	
Θ(180°)	-18.19/-17.3	-17.67/-18.17	-18.31/-18	-17.89/-17.56	-19.24/-18.49	-18.43/-18.45	-18.48/-18.22	-16.62/-19.95	-18.07/-18.38	-18.66/-18.05	-19/-19.28	-19.1/-18.94	-17.69/-17.54	-17.67/-18.52	-19.28/-14.64	-13.02/-12.56	-12.96/-13.96	-14.89/-16.61	-18.21/-17.97	-17.77/-18.41	-18.09/-18.41	-18.71/-18.81	-18.78/-19.13	-19.33/-18.01
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°)	-7.99/-8.21	-8.2/-8.38	-9.01/-9.92	-10.01/-9.92	-11.64/-12.77	-14.05/-16.44	-18.65/-18.01	-17.79/-14.35	-11.89/-11.46	-10.98/-10.06	-9.36/-8.87	-8.3/-8.29	-8.62/-9.61	-10.3/-10.54	-12.3/-13.68	-15/-17.48	-19.21/-18.09	-18.62/-18.09	-16.36/-15.59	-14.82/-14.66	-13.99/-12.23	-10.19/-9.1	-8.11/-8.31	
Θ(7.5°)	-8.55/-8.51	-8.54/-8.62	-9.21/-10.18	-11.58/-12.78	-15.79/-18.62	-17.62/-17.77	-17.08/-17.45	-19.41/-16.51	-14.82/-15.08	-14.36/-12.79	-12.07/-11.88	-11.61/-10.93	-11.26/-11.59	-11.03/-10.46	-10.59/-9.95	-10.55/-11.49	-13.27/-15.18	-16.23/-16.16	-15.02/-15	-13.91/-12.3	-10.92/-9.83	-8.84/-8.85	-8.94/-8.65	-8.93/-8.66
Θ(15°)	-14.14/-13.18	-10.75/-9.37	-9.01/-9.86	-11.85/-13.82	-17.01/-18.46	-18.6/-18.16	-18.26/-17.86	-18.54/-17.15	-18.99/-18.2	-17.31/-12.66	-10.59/-14.05	-10.95/-12.34	-13.98/-14.17	-13.07/-11.03	-9.22/-8.68	-9.11/-10.38	-12.87/-14.17	-15.04/-14.16	-14.5/-14.52	-13.72/-12.35	-10.49/-9.32	-8.67/-9.16	-9.89/-11.01	-12.65/-13.38
Θ(22.5°)	-14.93/-12.9	-9.99/-9.58	-10.02/-11.85	-14.84/-14.73	-15.5/-15.02	-15.45/-15.08	-13.2/-12.62	-11.39/-11.32	-12.03/-13.95	-18.88/-14.54	-8.79/-11.1	-13.02/-15.31	-14.64/-11.58	-10.2/-10.15	-11.79/-13.88	-15.1/-16.59	-16.26/-14.97	-14.14/-13.24	-15.08/-17.49	-16.56/-13.39	-11.1/-9.58	-8.9/-9.55	-11.56/-14.39	
Θ(30°)	-14.49/-11.12	-10.22/-9.13	-8.4/-13.22	-18.58/-19.02	-13.11/-11.44	-13.56/-15.75	-17.52/-15.5	-11.96/-10.08	-10.28/-13.47	-17.99/-17.25	-11.4/-10.32	-12.87/-15.15	-13.13/-11.97	-13.38/-13.09	-12.09/-12.33	-14.65/-16.47	-17.87/-17.46	-18.92/-17.04	-15.6/-15.97	-18.98/-18.19	-19.3/-17.24	-15.95/-12.38	-8.94/-9.12	-12.55/-16.14
Θ(37.5°)	-19.05/-17.63	-13.85/-12.07	-12.28/-12.24	-13.89/-13.96	-15.71/-14.15	-14.35/-17.35	-16.84/-19.39	-15.84/-10.86	-10.31/-13.53	-18.35/-15.66	-12.83/-11.1	-12.32/-11.47	-8.77/-8.58	-13.43/-17.86	-19.02/-17.66	-19.35/-18.92	-18.49/-19.92	-15.57/-12.69	-13.49/-17.42	-17.74/-18.12	-14.23/-13.14	-13.38/-12.17	-10.14/-11.34	-13.07/-16.66
Θ(45°)	-18.93/-15.65	-16.44/-18.24	-18.51/-15.71	-11.42/-13.66	-11.99/-10.46	-13.55/-17.24	-18.98/-18.66	-17.84/-17.11	-11.63/-11.02	-14.37/-15.89	-10.96/-10.14	-13.02/-11.74	-9.26/-8.66	-11.11/-19	-18.85/-15.22	-18.03/-19.16	-18.4/-17.69	-17.45/-16.59	-16.99/-17.91	-18.07/-17.92	-14.16/-16.02	-15.28/-14.75	-14.68/-13.56	-12.66/-18.06
Θ(52.5°)	-17.26/-16.19	-17.67/-16.43	-13.54/-14.91	-11.39/-11.79	-10.67/-13.13	-17.28/-17.98	-12.73/-12.26	-16.34/-18.84	-16.25/-17.33	-13.81/-13.45	-10.22/-12.42	-18.59/-18.88	-11.05/-9.41	-8.84/-13.88	-19.11/-16.94	-19.23/-18.04	-18.01/-18.55	-17.65/-18.57	-19.05/-18.26	-17.99/-14.78	-14.02/-18.49	-16.68/-18.19	-17.98/-16.3	-16.07/-17.41
Θ(60°)	-17.74/-15.73	-14.89/-14.6	-13.43/-15	-11.15/-11.65	-10.83/-14.16	-18.13/-13.88	-11.52/-11.3	-13.17/-16.89	-13.73/-12.85	-11.83/-14.12	-12.36/-18.55	-18.11/-15.94	-18.74/-12.93	-9.38/-15.64	-18.96/-18.47	-16.7/-18.34	-18.76/-18.22	-18.02/-20.91	-18.94/-19.09	-15.89/-12.23	-14.2/-19.11	-16.83/-16.68	-18.5/-14.52	-18.33/-19.37
Θ(67.5°)	-18.42/-17.04	-12.35/-16.7	-14.79/-15.65	-12.71/-11.68	-11.14/-12.22	-12.89/-12.37	-11.42/-12.02	-13.39/-15.04	-12.53/-12.52	-18.05/-15.01	-10.99/-18.84	-11.07/-13.64	-13.93/-17.11	-19.02/-15.63	-12.33/-14.26	-18.2/-17.59	-18.17/-18.95	-15.81/-11.11	-12.68/-15.86	-17.07/-17.52	-18.57/-17.49	-18.67/-19.12		
Θ(75°)	-16.77/-19.15	-13.28/-17.05	-13.34/-15.34	-13.57/-13.21	-12.07/-13.07	-14.24/-14.15	-13.92/-14.35	-13.96/-16.55	-15.94/-13.85	-18.8/-15.17	-18.01/-15.29	-9.51/-8.8	-8.16/-13.94	-17.33/-17.13	-15.9/-15.04	-12.05/-13.93	-16.18/-18.29	-18.41/-18.87	-17.02/-17.65	-17.13/-10.83	-11.82/-18.9	-18.79/-18.83	-18.36/-19.22	-18.24/-18.17
Θ(82.5°)	-19/-18.49	-14.14/-19.2	-13.68/-17.86	-16.62/-18.57	-15.05/-17.14	-15.4/-17.71	-17.81/-17.85	-16.92/-16.58	-13.33/-17.12	-18.75/-18.5	-17.77/-19.39	-9.56/-11.17	-10.94/-14.86	-16.04/-19.24	-18.21/-14.05	-10.09/-13.74	-16.47/-17.18	-19.34/-18.7	-15.82/-19.11	-18.28/-17.01	-13.24/-17.96	-17.95/-18.78	-18.66/-18.44	-17.67/-18.75
Θ(90°)	-17.64/-17.7	-15.12/-17.48	-18.74/-16.39	-16.88/-18.49	-18.74/-18.19	-17.78/-17.6	-18.99/-18.68	-18.93/-17.17	-18.95/-18.29	-17.17/-19.84	-18.54/-16.79	-10.45/-12.59	-18.81/-14.92	-15/-16.45	-13.03/-16.69	-13.17/-18.16	-16.68/-17.46	-18.24/-17.96	-17.02/-18.93	-18.83/-12.88	-14.71/-17.86	-18.64/-19.18	-18.57/-18.91	-18.67/-19.12
Θ(97.5°)	-18.8/-19.03	-18.49/-18.1	-18.11/-17.65	-17.12/-18.5	-17.9/-16.26	-17.68/-18.69	-18.28/-18.02	-18.94/-17.94	-18.41/-18.23	-19.2/-18.28	-18.44/-18.82	-11.99/-19.3	-17.61/-14.85	-16.23/-18.8	-18.99/-18.57	-16.41/-17.87	-17.73/-18.03	-18.08/-18.03	-19.02/-18.68	-18.21/-14.69	-18.32/-18.05	-18.69/-18.45	-17.83/-19.1	-17.66/-18.66
Θ(105°)	-18.44/-18.81	-17.51/-17.56	-17.85/-17.78	-18.14/-19.47	-18.44/-17.72	-15.96/-18.28	-18.54/-18.87	-18.04/-18.41	-17.75/-18.27	-17.85/-18	-18.68/-17.69	-16.83/-15.09	-19.07/-15.11	-18.11/-17.27	-17.3/-14.25	-18.55/-18.52	-17.93/-18.31	-18.41/-18.54	-18.62/-18.96	-18.08/-17.06	-17.83/-19.12	-18.93/-18.37	-17.75/-18.8	-18.29/-17.85
Θ(112.5°)	-19.2/-17.5	-18.99/-18.49	-17.87/-18.24	-18.09/-18.92	-17.82/-19.02	-18.04/-15.24	-18.74/-18.07	-17.47/-18.01	-18.88/-16.69	-17.28/-17.98	-18.65/-15.98	-16.2/-15.4	-19.51/-14.99	-18.5/-18.37	-17.49/-17.87	-18.22/-19.01	-18.56/-18.28	-18.66/-17.94	-16.79/-17.19	-17.34/-17.35	-18.13/-18.75	-19.43/-18.47	-17.96/-17.81	-17.92/-18.53
Θ(120°)	-18.03/-19.52	-17.96/-17.94	-17.7/-18.52	-18.45/-18	-14.09/-18.54	-18.78/-18.07	-19.41/-17.56	-18.77/-17.77	-19.29/-18.12	-18.68/-19.65	-18.18/-16.25	-16.56/-17.71	-13.24/-17.09	-15.05/-18.44	-17.51/-17.76	-18.46/-18.73	-19.5/-17.93	-18.02/-17.08	-19.09/-15.02	-18.25/-17.98	-18.22/-17.64	-19.12/-18.87	-18.47/-18.65	-18.34/-17.81
Θ(127.5°)	-19.02/-17.15	-17.99/-18.43	-19.11/-18.89	-19.2/-18.39	-18.56/-18.7	-17.27/-18.68	-18.98/-18.92	-19.02/-18.48	-19.13/-18.1	-17.94/-19.1	-18.81/-12.5	-16.71/-18.36	-11.72/-13.35	-17.99/-13.99	-18.49/-18.33	-16.37/-19.51	-14.88/-18.15	-19.14/-18.01	-19.01/-18.93	-18.79/-17.51	-19.08/-17.45	-19.05/-18.1	-18.47/-17.95	-18.99/-17.57
Θ(135°)	-19.35/-13.85	-17.53/-17.87	-17.66/-18.89	-16.58/-17.08	-18.32/-19.37	-16.11/-17.72	-18.66/-16.21	-18.86/-18.5	-17.98/-18.26	-16.31/-16.51	-19.02/-17.46	-18.28/-14.66	-13.25/-18.13	-18.65/-19.04	-17.78/-18.37	-18.72/-17.83	-17.75/-19.02	-18.2/-18.51	-18.98/-18.93	-18.84/-18.57	-17.81/-18.64	-17.66/-18.09	-18.43/-18.94	-17.72/-18.32
Θ(142.5°)	-13.6/-16.71	-15.9/-18.2	-18.19/-14.85	-12.62/-11.5	-12.71/-19.74	-18.08/-18.32	-18.66/-17.25	-18.11/-17.62	-16.88/-17.53	-17.21/-17.16	-17.77/-16.19	-13.74/-13.88	-19.01/-18.91	-17.55/-18.25	-18.75/-17.8	-15.55/-17.93	-16.65/-17.97	-18.35/-16.08	-14.26/-18.14	-18.52/-18.95	-18.66/-17.96	-17.42/-18.68	-18.67/-17.3	
Θ(150°)	-14.58/-16.51	-17.73/-17.77	-14.64/-15.64	-17.61/-18.87	-18.01/-16.39	-13.7/-14.47	-18.32/-17.77	-19.16/-18.91	-17.15/-19.33	-18.51/-19.2	-17.94/-16.52	-16.95/-18.93	-17.4/-16.21	-12.41/-15.62	-17.45/-17.51	-18.51/-18.86	-17.36/-18.49	-18.26/-18.21	-18.28/-18.31	-19.64/-18.51	-17.93/-18.6	-17.46/-17.41	-18.5	



Radiated Composite Gain Data of Radio 2 5GHz-4TX (EUT 1)

Appendix D

Θ(172.5°)	-17.04/-15.2	-12.74/-12.06	-12.89/-12.27	-11.73/-11.27	-11.41/-12.96	-13.61/-13.74	-14/-14.78	-16.58/-18.52	-17.03/-16.8	-12.98/-10.68	-8.94/-9.92	-11.67/-12.82	-17.32/-17.13	-14.75/-13.67	-12.62/-12.05	-10.53/-9.25	-9.03/-10.29	-11.59/-12.88	-14.11/-15.56	-19.17/-14.76	-18.04/-18.38	-18.15/-19.02	-18.87/-15.53	-12.98/-13.57
Θ(180°)	-19.13/-17.78	-17.65/-17.77	-16.51/-15.25	-13.63/-12.34	-11.31/-10.99	-11.69/-13.54	-16.51/-17.31	-15.47/-15.91	-16.44/-18.12	-17.96/-18.49	-18.87/-18.54	-18.61/-17.3	-18.41/-16.78	-14.05/-14.64	-15.93/-17.8	-17.96/-17.38	-15.67/-14.22	-13.98/-13.76	-15.17/-18.54	-18.46/-18.63	-17.98/-19.02	-17.61/-19.29	-18.11/-16.1	-16.12/-17.71
Freq(Hz)	5.2GPol	ThetaAnt. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	-10.63/-11.87	-13.07/-11.79	-10.22/-8.62	-7.22/-5.99	-4.68/-3.75	-2.84/-2.33	-1.76/-1.6	-1.77/-2.04	-2.94/-2.87	-3.37/-3.91	-4.39/-5.17	-6.29/-8.07	-11.61/-18.4	-18.13/-17.34	-14.99/-11.3	-8.17/-6.55	-5.62/-4.11	-2.82/-2.33	-1.93/-1.8	-1.67/-1.66	-2.01/-2.5	-2.67/-2.93	-4.09/-5.62	-7.16/-8.42
Θ(7.5°)	-7.31/-9.26	-11.82/-15.01	-16.93/-14.8	-12.09/-8.59	-6.37/-4.63	-3.42/-2.45	-1.88/-1.59	-1.29/-1.15	-1.51/-2.13	-2.77/-3.24	-3.76/-4.48	-5.47/-6.88	-7.57/-6.3	-8.31/-8.18	-7.44/-6.4	-5.03/-4.16	-3.58/-2.78	-2.02/-1.6	-1.47/-1.58	-1.82/-1.51	-1.43/-2.12	-2.72/-2.73	-2.8/-3.58	-5.15/-6.5
Θ(15°)	-5.53/-5.59	-6.81/-9.43	-12.3/-14.66	-15.13/-11.27	-8.64/-6.37	-4.43/-2.05	-2.46/-1.41	-0.66/-0.65	-0.64/-0.74	-0.67/-0.82	-1.41/-2.24	-3.52/-5.16	-6.54/-7.12	-7.15/-7.31	-7.33/-6.87	-5.68/-4.39	-3.49/-2.66	-2.08/-1.65	-1.33/-1.64	-1.56/-1.81	-2.09/-2.28	-2.85/-3.22	-3.26/-3.36	-4.29/-5.28
Θ(22.5°)	-6.21/-6.07	-5.8/-6.79	-8.85/-11.48	-11.92/-10.48	-8.94/-6.12	-3.79/-2.51	-1.79/-0.67	-0.49/-0.87	-1.82/-2.34	-2.82/-3.29	-4.14/-2.7	-4.46/-5.31	-6.37/-6.89	-7.42/-7.93	-7.9/-7.57	-6.82/-5.42	-3.59/-2.53	-1.64/-1.25	-1.45/-1.52	-1.52/-1.64	-1.59/-1.33	-1.19/-1.38	-1.88/-2.52	-3.65/-5.13
Θ(30°)	-4.99/-6.07	-6.49/-5.64	-4.61/-4.72	-5.31/-6.61	-7.42/-5.27	-3.03/-2.12	-1.75/-1.16	-0.59/-0.91	-0.73/-0.08	-0.15/-0.86	-2.17/-3.46	-3.59/-3.63	-5.32/-7.35	-7.97/-7.27	-6.03/-5.51	-4.69/-2.92	-0.93/-0.11	0.69/-0.49	0.29/-0.65	0.30/-0.14	-0.27/-0.27	-0.57/-1.25	-2.46/-3.6	
Θ(37.5°)	-3.14/-4.57	-6.59/-7.98	-5.3/-2.57	-7.27/-4.53	-6.18/-4.9	-3.38/-2.72	-1.94/-3.19	0.43/-1.19	1.88/-2.37	2.31/-1.1	-0.63/-2.27	-21.124	-2.75/-6.87	-7.95/-6.64	-4.08/-2.8	-1.69/-1.08	-0.88/-0.94	-0.94/-0.59	0.27/-0.48	0.06/-0.1	-0.22/-0.23	0.06/-0.56	-2.02/-3.54	-3.36/-2.68
Θ(45°)	0.57/-0.03	-0.35/-1.55	-3.96/-2.65	-1.66/-2.06	-1.92/-1.75	-2.46/-2.29	-1.22/-0.1	0.85/-1.87	2.31/-2.95	3.06/-2.31	0.35/-1.79	-0.53/-0.18	-0.49/-0.7	-1.53/-2.51	-2.23/-1.32	-1.66/-2.32	-2.11/-1.91	-1.72/-0.49	0.24/-0.17	-1.38/-3.41	-1.9/-0.87	0.29/-0.49	-1.64/-3.48	-2.22/-0.13
Θ(52.5°)	1.49/-1.87	2.13/-3.4	-1.51/-0.24	-0.64/-0.18	0.53/-0.79	-2.03/-2.41	-2.35/-0.01	1.54/-2.37	2.48/-2.62	2.11/-81	-0.61/-0.21	-0.51/-1.72	-1.57/-0.8	0.71/-0.95	-2.36/-1.38	-2.95/-3.81	-0.63/-0.29	-1.04/-3.1	1.8/-0.12	-1.83/-1.96	-0.71/-0.55	0.10/-28	-1.55/-2.76	-2.21/-0.05
Θ(60°)	1.01/-2.12	2.61/-1.85	0.31/-0.09	0.25/-0.19	-0.94/-3.12	-3.66/-4.56	-3.34/-1.26	0.43/-2.03	2.77/-2.83	1.11/-32	0.43/-0.98	-0.51/-4.2	-1.76/-0.74	-0.55/-1.3	-3.62/-1.89	-1.95/-1.66	1.23/-0.57	0.02/-2	2.61/-94	-0.34/-0.53	0.21/-1.17	-0.64/-0.74	-2.14/-3.21	-3.39/-1.04
Θ(67.5°)	0.27/-1.29	1.04/-0.52	0.92/-0.65	-0.51/-1.56	-1.9/-3.54	-3.75/-4.01	-2.31/-1.75	-0.32/-1.3	2.83/-2.72	0.83/-1.56	1.3/-0.22	-0.92/-3.69	-1.71/-1.65	-1.36/-1.54	-2.8/-2	-0.22/-0.52	1.37/-1.11	1.69/-3.1	3.15/-1.32	-0.47/-0.42	0.54/-1.97	-1.04/-0.46	-0.4/-1.42	-3.01/-2.19
Θ(75°)	0.07/-0.89	1.19/-1.1	-0.61/-0.59	-1.79/-4.78	-3.55/-2.79	-1.64/-2.66	-0.49/-2.22	-1.21/-1.5	2.55/-2.38	2.93/-2.7	1.48/-1.64	-0.81/-0.78	-1.17/-0.33	-2.45/-2.3	-0.86/-0.97	0.20/-98	1.94/-1.68	2.95/-3.1	2.84/-1.4	-0.34/-0.39	0.55/-1.14	-0.88/-0.82	-0.74/-1.87	-2.75/-2.17
Θ(82.5°)	-0.63/-1.82	-0.23/-2.86	-1.39/-0.35	-3.14/-7.14	-4.98/-2.54	-2.04/-0.89	-0.40/-1.85	-1.81/-0	1.42/-1.67	2.22/-1	-0.75/-5.7	-7.37/-9.84	-1.15/-0.37	-1.77/-1.06	-0.78/-0.42	1.82/-2.42	1.51/-46	3.463.63	2.83/-1.16	-0.67/-0.2	-1.71/-1.48	-1.84/-2.25	-1.48/-1.89	-3.49/-1.62
Θ(90°)	-0.93/-4.32	-1.18/-4.81	-4.09/-0.85	-5.09/-8.67	-5.39/-2.93	-3.45/-2.88	-1.77/-3.11	-3.76/-2.79	-0.58/-1.32	1.38/-4.1	-3.04/-13.45	-3.41/-7.4	-3.32/-0.53	-3.32/-2.79	-3.42/-1.91	0.52/-19	0.94/-0.18	2.22/-25	1.91/-0.63	-2.46/-1.41	-2.11/-2.9	-2.69/-2.46	-2.07/-2.56	-4.76/-1.51
Θ(97.5°)	-2.46/-7	-2.39/-6.72	-5.88/-2.14	-8.29/-9.9	-7.65/-4.66	-5.77/-4.79	-4.86/-5.9	-5.57/-4.16	-2.57/-4.99	-1.82/-4.88	-4.98/-12.25	-3.79/-5	-2.27/-0.84	-5.86/-7.23	-6.51/-3.29	-2.09/-0.48	-1.59/-1.67	-0.18/-0.28	-0.18/-2.33	-3.43/-1.95	-3.55/-3.58	-3.23/-3.29	-3.66/-2.68	-5.27/-2.38
Θ(105°)	-5.01/-8.52	-2.5/-8.18	-7.13/-3.27	-9.91/-10.52	-9.21/-9.99	-9.55/-8.33	-8.33/-11.52	-9.27/-7.6	-8.64/-7.51	-5.88/-12.64	-6.54/-10.91	-5.19/-9.67	-4.48/-3.57	-8.71/-7.26	-11.67/-4.26	-5.69/-4.92	-5.57/-2.61	-3.71/-4.01	-2.69/-3.99	-4.9/-4.5	-3.29/-2.85	-5/-3.58	-3.62/-3.56	
Θ(112.5°)	-4.58/-8.86	-4.8/-8.33	-8.17/-6.12	-8.71/-11.32	-14.07/-14.88	-14.03/-9.75	-8.83/-14.88	-12.81/-14.62	-10.51/-8.43	-10.07/-9.93	-12.59/-9.32	-11.68/-12.52	-6.18/-9.85	-13.83/-17.29	-10.93/-6.86	-8.82/-6.09	-5.05/-4.42	-7.23/-6.5	-1.46/-6.73	-4.94/-3.78	-4.66/-4.73	-4.95/-4.29	-3.05/-3.92	-7.39/-4.45
Θ(120°)	-6.48/-8.55	-9.75/-11.16	-7.26/-7.72	-8.86/-12.43	-13.99/-15.41	-16.29/-6.92	-8.73/-8.53	-9.56/-9.53	-6.87/-4.6	-4.63/-0.78	-18.2/-16.51	-14.68/-13.74	-11.95/-17.95	-18.51/-18.41	-13.97/-12.2	-6.48/-7.85	-8.61/-3.77	-4.1/-6.33	-3.48/-5.86	-5.72/-6.22	-6.05/-9.01	-6.03/-5.15	-4.47/-5.93	-8.27/-7.58
Θ(127.5°)	-10.93/-14.39	-9.6/-8.89	-10.54/-9.4	-8.86/-11.43	-11.56/-18.4	-15.58/-13.03	-12.9/-15.54	-18.31/-18.86	-14.58/-9.88	-9.09/-14.56	-11.76/-19.28	-13.04/-7.54	-11.21/-17.58	-14.91/-16.22	-17.07/-14.71	-10.29/-5.93	-7.74/-95	-6.18/-8.04	-5.2/-3.13	-6.97/-8.27	-9.54/-9.83	-8.98/-2.53	-3.86/-8.25	-8.03/-5.15
Θ(135°)	-6.77/-9.73	-9.11/-7.38	-13.5/-16.24	-12.67/-10.04	-10.21/-15.13	-13.12/-19.04	-18.34/-18.45	-16.05/-12.83	-13.12/-14.78	-16.47/-16.31	-13.86/-14.23	-11.42/-12.42	-17.48/-16.46	-17.88/-14.04	-16.52/-6.61	-4.01/-7.32	-12.02/-10.52	-9.54/-4.14	-8.95/-8.88	-10.28/-11.78	-10.99/-3.83	-3.56/-7.13	-8.1/-6.34	
Θ(142.5°)	-6.96/-11.52	-10.81/-8.27	-9.84/-11.48	-14.8/-18.62	-14.81/-12.14	-10.71/-9.99	-11.02/-12.64	-11.52/-9.01	-7.75/-6.3	-6.41/-8.2	-10.11/-11.16	-14.54/-18.56	-17.59/-18.97	-13.27/-10.05	-13.8/-11.32	-13.66/-7.03	-5.58/-8.15	-11.66/-6.4	-7.39/-5.6	-5.79/-8.79	-10.15/-11.8	-8.28/-6.24	-6.57/-7.18	-7.74/-5.72
Θ(150°)	-13.24/-15.52	-16.27/-14.08	-9.96/-8.45	-10.21/-12.82	-12.5/-12.83	-14.48/-16.77	-18.5/-14.87	-18.47/-16.32	-15.24/-14.3	-15/-17.18	-18.49/-18.66	-18.87/-16.72	-18.54/-11.16	-13.63/-18.5	-18.85/-15.21	-16.69/-16.65	-12.65/-13.27	-15.11/-12.28	-9.87/-9.93	-9.37/-9.91	-12.2/-12.96	-13.04/-9.43	-5.57/-5.78	-10.92/-13.02
Θ(157.5°)	-16.24/-14.83	-16.59/-15.94	-15.55/-19.29	-18.82/-18.56	-19.04/-15.28	-11.48/-10.5	-9.46/-12.01	-10.82/-15.96	-18.07/-13.69	-17.42/-15.7	-12.71/-8.14	-9.29/-10.48	-11.83/-14.35	-14.3/-12.23	-11.07/-10.53	-12.86/-14.88	-16.82/-15.65	-13.4/-11.66	-9.96/-9.59	-10.21/-9.42	-7.31/-5.7	-9.56/-12	-14.29/-15.28	
Θ(165°)	-18.13/-18.51	-18.42/-19.06	-16.45/-15.04	-15.55/-16.45	-16.92/-18.95	-18.35/-18.79	-18.07/-14.65	-15.86/-19.82	-16.93/-13.49	-14.17/-15.87	-18.02/-19.5	-17.98/-16.35	-15.45/-15.7	-12.77/-12.11	-12.4/-14.17	-18.29/-18.61	-18.95/-15.58	-14.55/-14.21	-11.61/-9.22	-7.89/-7.34	-7.89/-7.61	-7.92/-8.13	-8.36/-9.57	-12.52/-15.56
Θ(172.5°)	-12.19/-12.87	-13.94/-16.39	-16.59/-16.7	-16.31/-15.87	-17.42/-13.52	-13.7/-15.15	-17.35/-15.15	-17.54/-16.49	-18.08/-16.11	-15.87/-15.92	-15.79/-14.64	-17.12/-17.98	-18.15/-18.03	-17.31/-19.14	-18.81/-19.41	-18.67/-19.04	-18.17/-7.8	-17.8/-16.36	-14.97/-14.16	-11.66/-9.5	-8.54/-8.44	-9.96/-12.7	-12.25/-11.36	-11.34/-11.86
Θ(180°)	-17.29/-17.46	-18.21/-17.59	-18.76/-19.24	-17.74/-18.69	-17.92/-17.36	-16.06/-16.12	-17.49/-18.88	-18.03/-19.07	-19.37/-17.2	-14.59/-15.13	-15.06/-13.82	-12.31/-12.69	-17.48/-13.33	-13.75/-14.17	-15.22/-15.84	-16.03/-16.62	-17.02/-18.31	-18.74/-18.59	-19.32/-17.63	-17.21/-15.61	-14.31/-13.03	-14.37/-16.04	-16.61/-16.34	
Freq(Hz)	5.3GPol	PhiAnt. 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gain	Φ(0°)Ψ(7.5°)	Φ(15°)Ψ(22.5°)	Φ(30°)Ψ(37.5°)	Φ(45°)Ψ(52.5°)	Φ(60°)Ψ(67.5°)	Φ(75°)Ψ(82.5°)	Φ(90°)Ψ(97.5°)	Φ(105°)Ψ(112.5°)	Φ(120°)Ψ(127.5°)	Φ(135°)Ψ(142.5°)	Φ(150°)Ψ(157.5°)	Φ(165°)Ψ(172.5°)	Φ(180°)Ψ(187.5°)	Φ(195°)Ψ(202.5°)	Φ(210°)Ψ(217.5°)	Φ(225°)Ψ(232.5°)	Φ(240°)Ψ(247.5°)	Φ(255°)Ψ(262.5°)	Φ(270°)Ψ(277.5°)	Φ(285°)Ψ(292.5°)	Φ(300°)Ψ(307.5°)	Φ(315°)Ψ(322.5°)	Φ(330°)Ψ(337.5°)	Φ(345°)Ψ(352.5°)
Θ(0°)	-2.26/-1.93	-2.01/-2.53	-2.94/-3.36	-4.08/-5.16	-6.17/-7.65	-9.25/-12.23	-15.81/-19.01	-17.87/-18.49	-14.85/-11.65	-8.8/-6.41	-4.98/-4.19	-3.14/-2.72	-2.64/-2.15	-1.85/-1.83	-1.66/-1.77	-2.21/-2.74	-4.06/-5.25	-7.37/-10.19	-14.12/-19.44	-18.65/-17.39	-11.73/-9.29	-7.86/-6.21	-4.29/-3.63	-3.36/-2.66
Θ(7.5°)	-2.23/-1.8	-1.55/-1.63	-1.78/-2.33	-3.35/-4.01	-4.86/-6.5	-8.01/-9.61	-12.21/-17.22	-17.81/-15.62	-12.29/-10.37	-7.97/-5.61	-4.18/-4.01	-3.61/-2.91	-3.11/-2.81	-2.51/-3.15	-3.37/-3.76	-4.65/-5.15	-6.94/-7.98	-8.55/-12.58	-16.46/-19.11	-19.04/-17.68	-16.18/-11.11	-8.95/-8.35	-7.26/-4.86	-3.11/-2.18
Θ(15°)	-3.31/-4.4	-0.46/-0.55	-1.04/-2.35	-3.33/-3.97	-5.29/-6.9	-8.32/-10.27	-13.71/-10.72	-17.71/-15.58	-13.26/-10.93	-8.28/-6.45	-5.26/-4.18	-3.84/-4.08	-4.35/-4.22	-3.48/-3.24	-3.41/-4.02	-4.91/-5.48	-6.39/-7.38	-8.51/-11.6	-14.64/-16.71	-17.43/-16.46	-14.71/-12.26	-9.35/-8.07	-7.43/-7.04	-5.69/-4.47
Θ(22.5°)	-3.76/-1.95	-0.9/-0.71	-1.08/-2.62	-3.73/-4.24	-4.77/-5.52	-6.89/-8.8	-12.24/-16.67	-18.35/-18.98	-16.52/-21															