

Antenna Composite Gain Test Report

1. Test Information

Equipment	Campus Access Points
Brand Name	Aruba
Model Name	AP-755/AP-755A
Applicant	Aruba
Manufacturer	Aruba

2. Testing Location

Testing Location	
WNC	ADD : 20 Park Ave. II, Hsinchu Science Park, Hsinchu 308 Taiwan

Test Condition	Test Engineer	Test Environment (°C / %)	Test Date
Radiated	Leo Chuang	20-24 / 45-60	03.20.2024~04.03.2024

3. Test Frequency

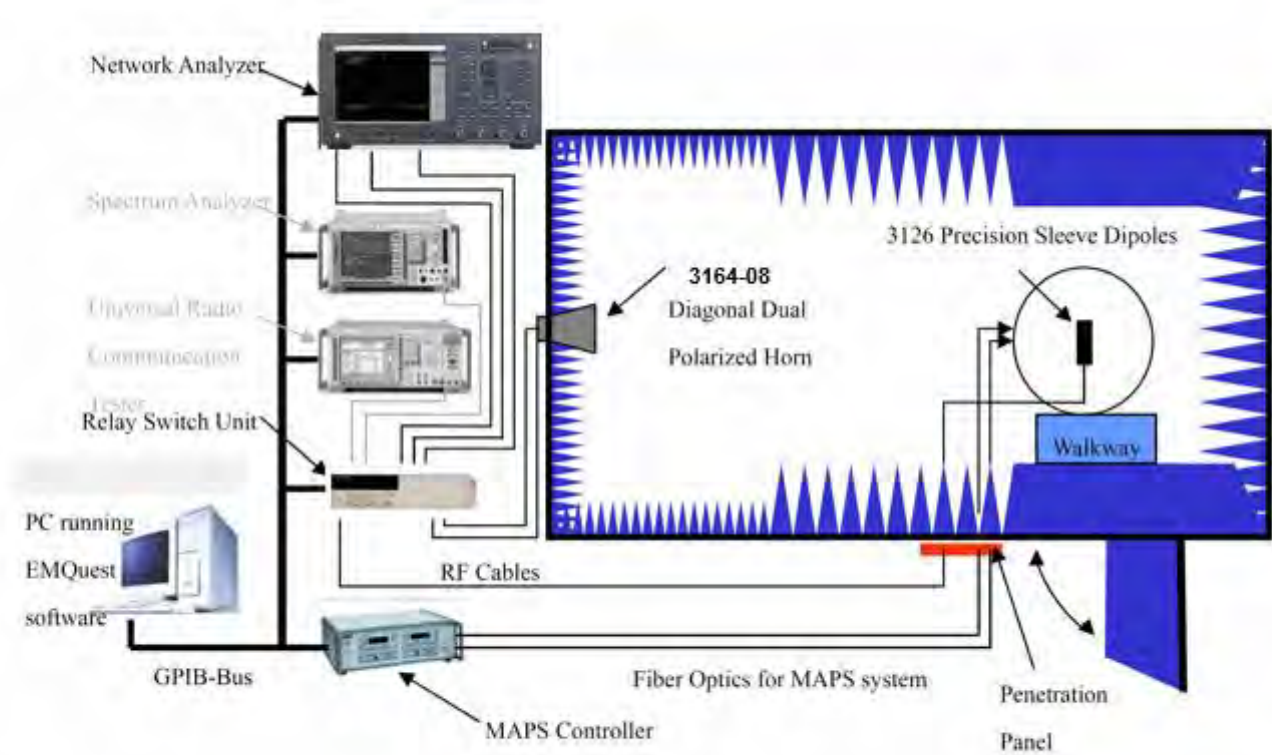
Band (MHz)	Test Frequency (MHz)
1165-1185	1176
1560-1590	1575
2401-2423	2401
2441-2463	2452
2473-2484	2484
5150-5250	5150
5470-5725	5550
5725-5850	5850
5850~5895	5850, 5895
5925-6425	5925
6425-6525	6555
6875-7125	7125

4. Antenna Information

Ant. Position	Brand Name	Model Name	Ant. Type	Connector
Antenna 1 (5G/6G)	Aruba	95XPAD15.G38	PIFA	I-PEX
Antenna 2 (5G/6G)	Aruba	95XPAD15.G39	PIFA	I-PEX
Antenna 3 (5G/6G)	Aruba	95XPAD15.G40	Alford Loop	I-PEX
Antenna 4 (5G/6G)	Aruba	95XPAD15.G41	Alford Loop	I-PEX
Antenna 5 (6G)	Aruba	95XPAD15.G42	Alford Loop	I-PEX
Antenna 6 (6G)	Aruba	95XPAD15.G43	Alford Loop	I-PEX
Antenna 7 (2G/6G)	Aruba	95XPAD15.G44	PIFA	I-PEX
Antenna 8 (2G/6G)	Aruba	95XPAD15.G45	PIFA	I-PEX

Antenna 9 (2G/5G/6G)	Aruba	95XPAD15.G46	Dipole	I-PEX
Antenna 10 (2G/5G/6G)	Aruba	95XPAD15.G47	Dipole	I-PEX
Antenna 11 (2G/5G/6G)	Aruba	95XPAD15.G48	PIFA	I-PEX
Antenna 12 (2G/5G/6G)	Aruba	95XPAD15.G49	PIFA	I-PEX
Antenna 13 (GPS)	Aruba	95XPAD15.G50	PIFA	I-PEX
Antenna 14 (BLE)	Aruba	95XPAD15.G51	Alford Loop	I-PEX

5. Test Configuration

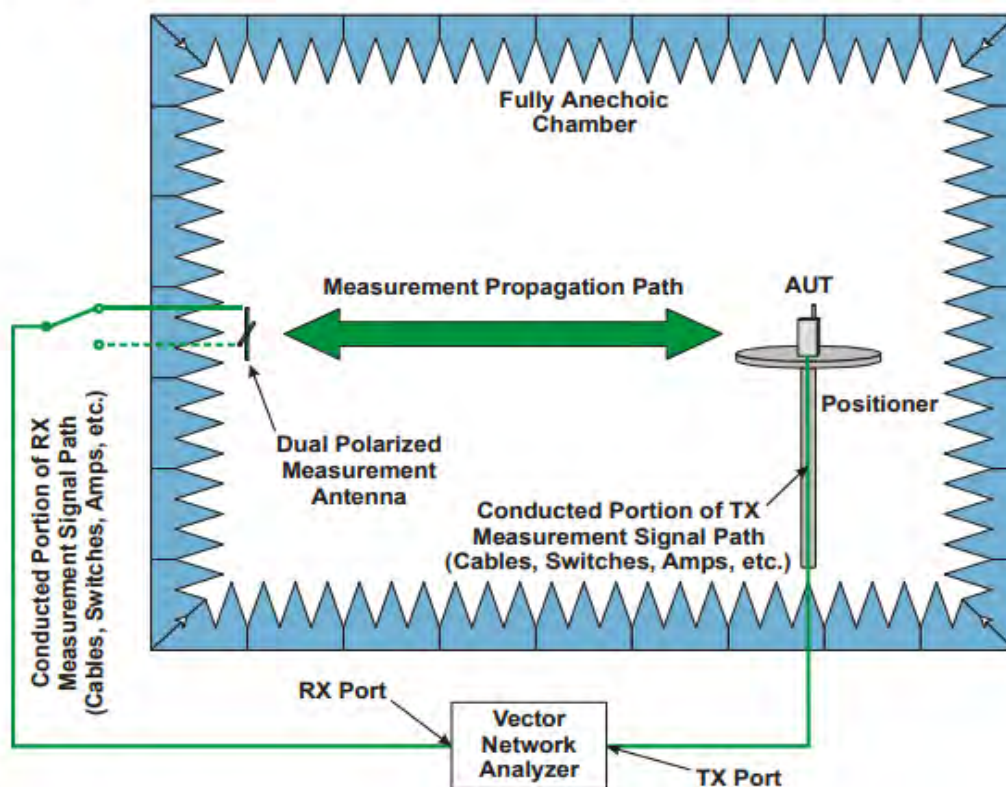


ETS-AMS 8500 System

Item	Device	Type/Model	Serial#	Manufacturer	Cal. Date	Cal. Due Date
1	Anechoic Chamber	ETS-AMS	8500	ETS-Lindgren	2024/03/09	2025/03/08
2	Turn Table	ETS		ETS-Lindgren	2024/03/09	2025/03/08
3	Multi-Device Positioning Controller	Model 2090	142407	ETS-Lindgren	2024/03/09	2025/03/08
4	Network Analyzer	E5071C	0171E5485A6J	Keysight	2023/05/31	2024/05/30
5	Horn antenna	3164-08	140264	ETS-Lindgren	2024/03/09	2025/03/08
6	Cable 7.5m 400MHz to 18GHz (H-pol)	SS402	00100A1F5A1XXS	Woken	2024/03/09	2025/03/08
7	Cable 7.5m 400MHz to 18GHz (V-pol)	SS402	00100A1F5A1XXS	Woken	2024/03/09	2025/03/08
8	Cable 14m 400MHz to 18GHz	SS402	00100A1F5A1XXS	Woken	2024/03/09	2025/03/08
9	Temperature & Humidity Meter	HTC-01		Metravi	2024/03/09	2025/03/08

6. Reference Calibration

Range Calibration Configuration (Passive)



7. Test Method

The “great circle” cut method, whereby the Measurement Antenna remains fixed and the EUT is rotated about two axes in sequential order. The radiated RF performance of the Equipment Under Test (EUT) is measured by sampling the radiated transmit power of the mobile at various locations surrounding the device. A three-dimensional characterization of the 'transmit' performance of the EUT is pieced together by analyzing the data from the spatially distributed measurements.

Data points taken every 15 degrees in the theta and in the phi axes are deemed sufficient to fully characterize the EUT's Far-Field radiation pattern and total radiated power. All of the measured power values will be integrated.

8. Measured Values and Calculation of Correlated / Uncorrelated Gains

Antenna Peak Gain Table (Ant. Position : 5G/6G Ant.1~4)

Band (MHz)	5150-5470	5470-5725	5725-5850	5850~5895	
Frequency (MHz)	5150	5550	5850	5850	5895
Ant.1 Max Gain (dBi)	3.7	5.5	5.4	5.4	5.5
Ant.2 Max Gain (dBi)	3.4	5.8	4.4	4.4	4.5
Ant.3 Max Gain (dBi)	3.8	4.4	3.5	3.5	4.2
Ant.4 Max Gain (dBi)	4.7	4.6	4.1	4.1	4.1
Max Gain (dBi)	4.7	5.8	5.4	5.4	5.5

Band (MHz)	5925-6425	6425-6525	6525-7125
Frequency (MHz)	5925	6555	7125
Ant.1 Max Gain (dBi)	5.1	5.3	6.0
Ant.2 Max Gain (dBi)	4.8	5.8	4.8
Ant.3 Max Gain (dBi)	4.6	3.6	3.3
Ant.4 Max Gain (dBi)	4.0	4.3	3.0
Max Gain (dBi)	5.1	5.8	6.0

Antenna Peak Gain Table (Ant. Position : 6G Ant.5~8)

Band (MHz)	5925-6425	6425-6525	6525-7125
Frequency (MHz)	5925	6555	7125
Ant.5 Max Gain (dBi)	4.4	4.3	4.6
Ant.6 Max Gain (dBi)	4.1	4.6	4.6
Ant.7 Max Gain (dBi)	5.9	5.4	5.7
Ant.8 Max Gain (dBi)	5.2	5.7	5.3
Max Gain (dBi)	5.9	5.7	5.7

Antenna Peak Gain Table (Ant. Position : 2G/5G/6G Ant.9~12)

Band (MHz)	2401-2423	2441-2463	2473-2484
Frequency (MHz)	2401	2452	2484
Ant.9 Max Gain (dBi)	4.8	5.0	4.7
Ant.10 Max Gain (dBi)	4.5	5.0	5.2
Ant.11 Max Gain (dBi)	2.3	3.6	4.1
Ant.12 Max Gain (dBi)	2.8	3.2	3.2
Max Gain (dBi)	4.8	5.0	5.2

Band (MHz)	5150-5470	5470-5725	5725-5850	5850~5895	
Frequency (MHz)	5150	5550	5850	5850	5895
Ant.9 Max Gain (dBi)	4.4	5.6	5.6	5.6	5.7
Ant.10 Max Gain (dBi)	4.9	5.1	5.0	5.0	4.4
Ant.11 Max Gain (dBi)	4.6	3.6	4.0	4.0	4.0
Ant.12 Max Gain (dBi)	3.9	4.7	5.4	5.4	5.7
Max Gain (dBi)	4.9	5.6	5.6	5.6	5.7

Band (MHz)	5925-6425	6425-6525	6525-7125
Frequency (MHz)	5925	6555	7125
Ant.9 Max Gain (dBi)	5.6	5.7	5.3
Ant.10 Max Gain (dBi)	4.6	5.2	5.0
Ant.11 Max Gain (dBi)	4.5	3.3	4.2
Ant.12 Max Gain (dBi)	4.7	4.1	5.0
Max Gain (dBi)	5.6	5.7	5.3

Antenna Peak Gain Table (Ant. Position : GPS Ant.13)

Band (MHz)	1165-1185	1560-1590
Frequency (MHz)	1176	1575
Ant.13 Max Gain (dBi)	2.9	3.3

Antenna Peak Gain Table (Ant. Position : BLE Ant.7~8, 14)

Band (MHz)	2401-2423	2441-2463	2473-2484
Frequency (MHz)	2401	2452	2484
Ant.7 Max Gain (dBi)	2.9	3.9	4.4
Ant.8 Max Gain (dBi)	2.1	2.1	2.1
Ant.14 Max Gain (dBi)	5.2	5.7	5.3
Max Gain (dBi)	5.2	5.7	5.3

Antenna Correlated / Uncorrelated Gain Table (Ant. Position : 5G/6G Ant.1~4)

Frequency (MHz)	Correlated Gain (dBi)	Uncorrelated Gain (dBi)
5150	8.4	2.7
5550	9.5	3.6
5850	9.0	3.0
5895	8.1	2.4
5925	8.1	2.4
6555	9.2	3.2
7125	8.5	2.8

Antenna Correlated / Uncorrelated Gain Table (Ant. Position : 6G Ant.5~8)

Frequency (MHz)	Correlated Gain (dBi)	Uncorrelated Gain (dBi)
5925	9.1	3.1
6555	9.0	3.0
7125	9.4	3.6

Antenna Correlated / Uncorrelated Gain Table (Ant. Position : 2G/5G/6G Ant.9~12)

Frequency (MHz)	Correlated Gain (dBi)	Uncorrelated Gain (dBi)
2401	8.2	2.4
2452	8.7	2.9
2484	9.0	3.1
5150	9.5	3.5
5550	9.5	3.6
5850	9.6	3.7
5895	9.2	3.4
5925	9.4	3.6
6555	9.5	3.6
7125	8.7	3.0

Antenna Correlated / Uncorrelated Gain Table (Ant. Position : BLE Ant.7, 14)

Frequency (MHz)	Correlated Gain (dBi)	Uncorrelated Gain (dBi)
2401	6.6	3.7
2452	7.2	4.2
2484	7.1	4.1

Antenna Correlated / Uncorrelated Gain Table (Ant. Position : BLE Ant.7, 8)

Frequency (MHz)	Correlated Gain (dBi)	Uncorrelated Gain (dBi)
2401	4.9	2.0
2452	5.2	2.3
2484	5.5	2.7

Because the antennas are fixed in location within the device the directional antenna gain for MIMO is calculated over a sphere using the raw spatial data taken at 5 degree steps of theta and phi for each antenna using the equations from KDB 662911 D01. The raw antenna data is located in the appendix of this report.

The correlated antenna gain was calculated using KDB 662911 D01, F(2)(d)(i). The uncorrelated antenna gain was calculated using KDB 662911 D01, F(2)(d)(ii).

The uncorrelated and correlated gains were calculated for each point in the spatial data, and the highest values reported.

Note :
KDB 662911 D01, F(2)(d)(i)

Correlated Gain= $10 \log \left[\left(10^{\frac{G_1}{20}} + 10^{\frac{G_2}{20}} + \dots + 10^{\frac{G_n}{20}} \right)^2 / N_{Ant.} \right] \text{ dBi}$

KDB 662911 D01, F(2)(d)(ii)

Uncorrelated Gain= $10 \log \left[\left(10^{\frac{G_1}{10}} + 10^{\frac{G_2}{10}} + \dots + 10^{\frac{G_n}{10}} \right) / N_{Ant.} \right] \text{ dBi}$

N_{Ant.} : Number of antenna
G_n : Gain of antenna

**Maximum Correlated / Uncorrelated Gain Calculation
(Ant. Position : 5G/6G Ant.1~4)**

Frequency (MHz)	5550	6555
Ant.1 Gain (dBi)	4.37	1.02
Ant.2 Gain (dBi)	3.57	3.92
Ant.3 Gain (dBi)	4.12	3.32
Ant.4 Gain (dBi)	1.84	4.02
Phi (°)	160	325
Theta (°)	50	45
Corr. Ant. Gain (dBi) [10^(G ₁ /20)+10^(G ₂ /20)] ² /N _{ANT.}	9.02	8.26
Uncor. Ant. Gain (dBi) [10^(G ₁ /10)+10^(G ₂ /10)]/N _{ANT.}	2.28	2.10
Corr. Gain (dBi) 10*log(Corr. Ant. Gain)	9.5	9.2
Uncor. Gain (dBi) 10*log(Uncor. Ant. Gain)	3.6	3.2

(Ant. Position : 6G Ant.5~8)

Frequency (MHz)	7125
Ant.5 Gain (dBi)	2.68
Ant.6 Gain (dBi)	0.67
Ant.7 Gain (dBi)	5.44
Ant.8 Gain (dBi)	4.19
Phi (°)	340
Theta (°)	45
Corr. Ant. Gain (dBi) $[10^{(G_1/20)}+10^{(G_2/20)}]^2/N_{ANT.}$	8.80
Uncor. Ant. Gain (dBi) $[10^{(G_1/10)}+10^{(G_2/10)}]/N_{ANT.}$	2.29
Corr. Gain (dBi) $10 \cdot \log(\text{Corr. Ant. Gain})$	9.4
Uncor. Gain (dBi) $10 \cdot \log(\text{Uncor. Ant. Gain})$	3.6

(Ant. Position : 2G/5G/6G Ant.9~12)

Frequency (MHz)	2484	5850	6555
Ant.9 Gain (dBi)	2.08	5.39	5.01
Ant.10 Gain (dBi)	4.73	3.93	4.55
Ant.11 Gain (dBi)	2.00	1.63	1.88
Ant.12 Gain (dBi)	2.80	2.99	2.17
Phi (°)	215	5	315
Theta (°)	40	15	5
Corr. Ant. Gain (dBi) $[10^{(G_1/20)}+10^{(G_2/20)}]^2/N_{ANT.}$	7.93	9.15	8.98
Uncor. Ant. Gain (dBi) $[10^{(G_1/10)}+10^{(G_2/10)}]/N_{ANT.}$	2.02	2.35	2.30
Corr. Gain (dBi) $10 \cdot \log(\text{Corr. Ant. Gain})$	9.0	9.6	9.5
Uncor. Gain (dBi) $10 \cdot \log(\text{Uncor. Ant. Gain})$	3.1	3.7	3.6

(Ant. Position : BLE Ant.7, 14)

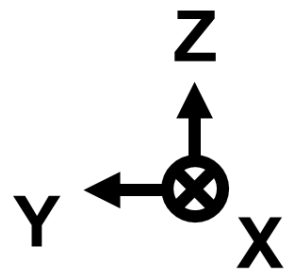
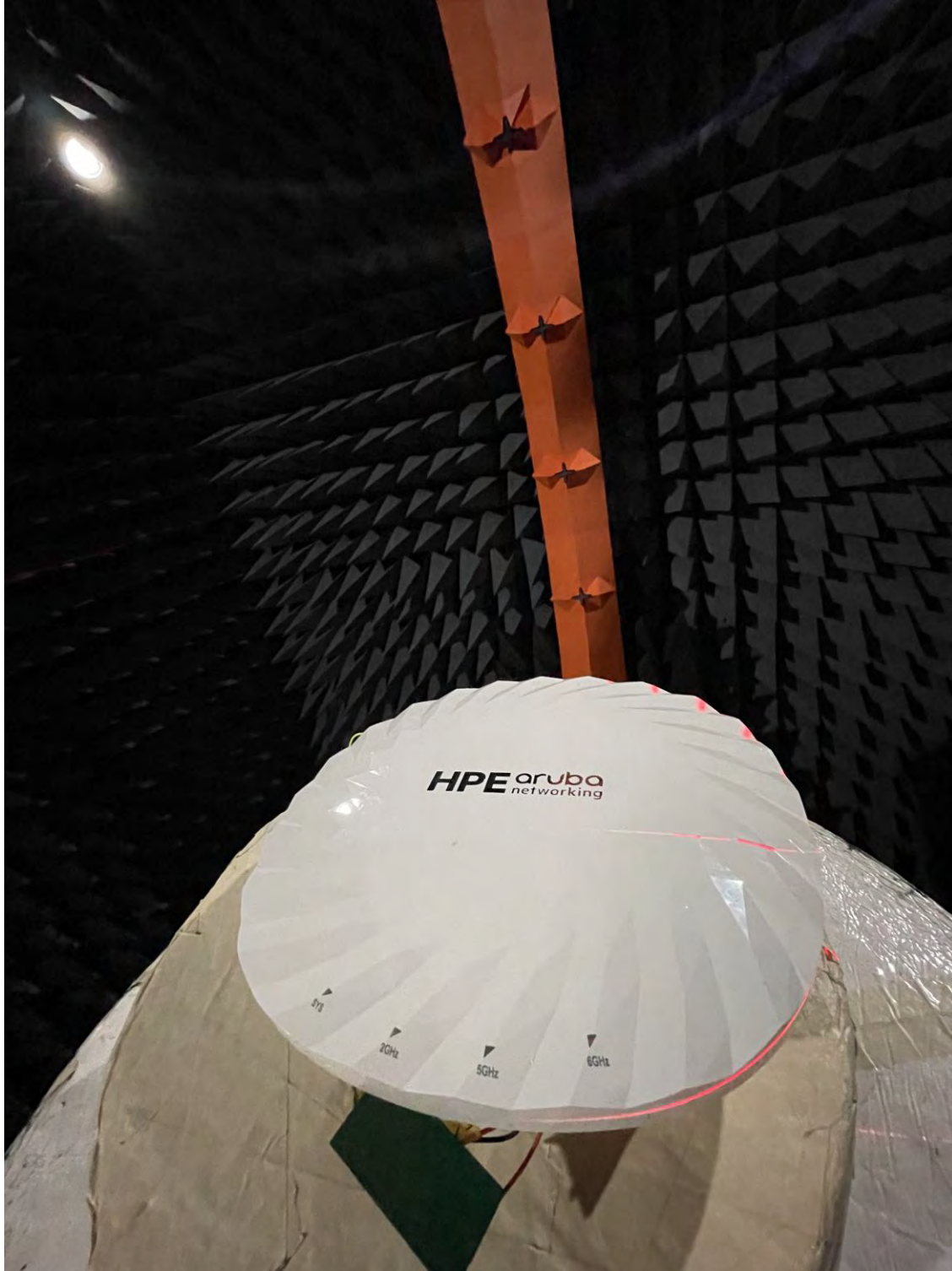
Frequency (MHz)	2452
Ant.7 Gain (dBi)	3.52
Ant.14 Gain (dBi)	4.78
Phi (°)	150
Theta (°)	50
Corr. Ant. Gain (dBi) [10^(G ₁ /20)+10^(G ₂ /20)] ² /N _{ANT.}	5.22
Uncor. Ant. Gain (dBi) [10^(G ₁ /10)+10^(G ₂ /10)]/N _{ANT.}	2.63
Corr. Gain (dBi) 10*log(Corr. Ant. Gain)	7.2
Uncor. Gain (dBi) 10*log(Uncor. Ant. Gain)	4.2

(Ant. Position : BLE Ant.7~8)

Frequency (MHz)	2484
Ant.7 Gain (dBi)	4.13
Ant.8 Gain (dBi)	0.50
Phi (°)	165
Theta (°)	55
Corr. Ant. Gain (dBi) [10^(G ₁ /20)+10^(G ₂ /20)] ² /N _{ANT.}	3.56
Uncor. Ant. Gain (dBi) [10^(G ₁ /10)+10^(G ₂ /10)]/N _{ANT.}	1.85
Corr. Gain (dBi) 10*log(Corr. Ant. Gain)	5.5
Uncor. Gain (dBi) 10*log(Uncor. Ant. Gain)	2.7

Note : Antenna gain is the correlated / uncorrelated gain position in the appendix gain table.

9. Test Setup

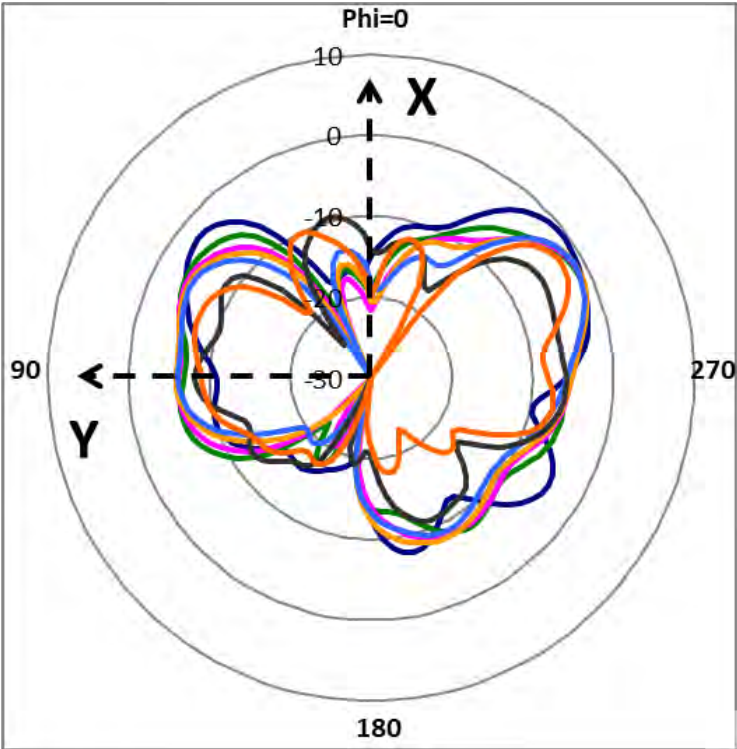


Note :
Top cover toward +Z direction

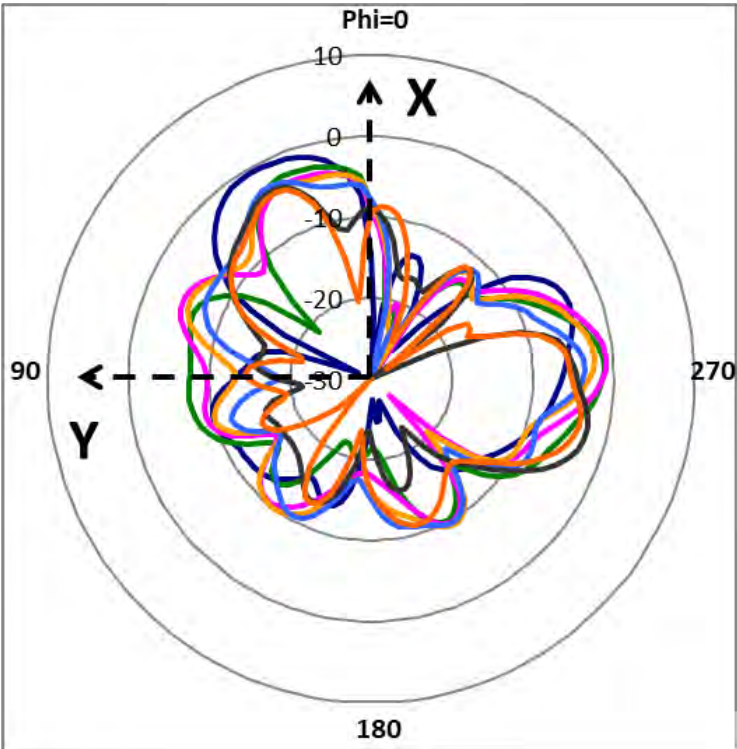
10. Radiation Pattern

Ant. Position : 5G/6G Ant.1~4

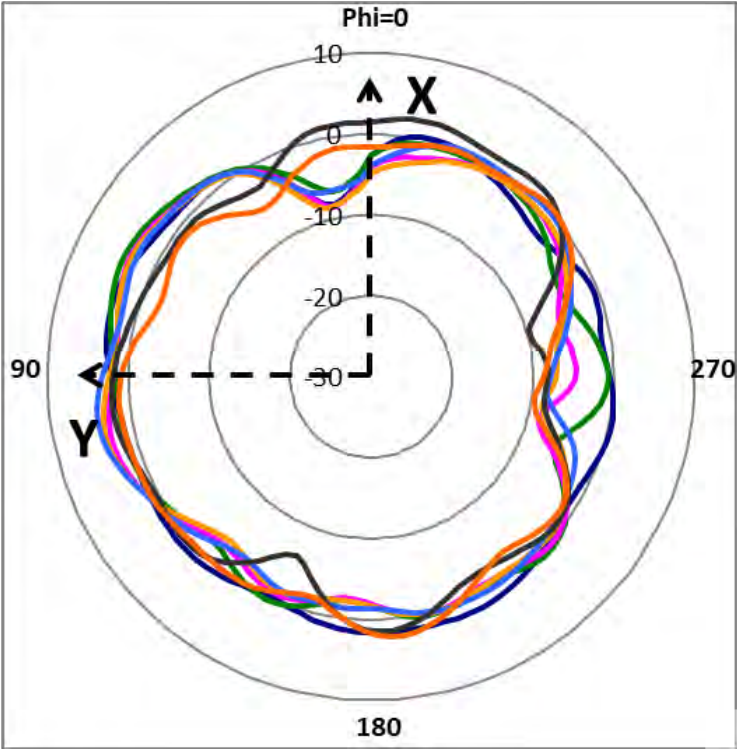
XY_Pol._Phi_Ant.1



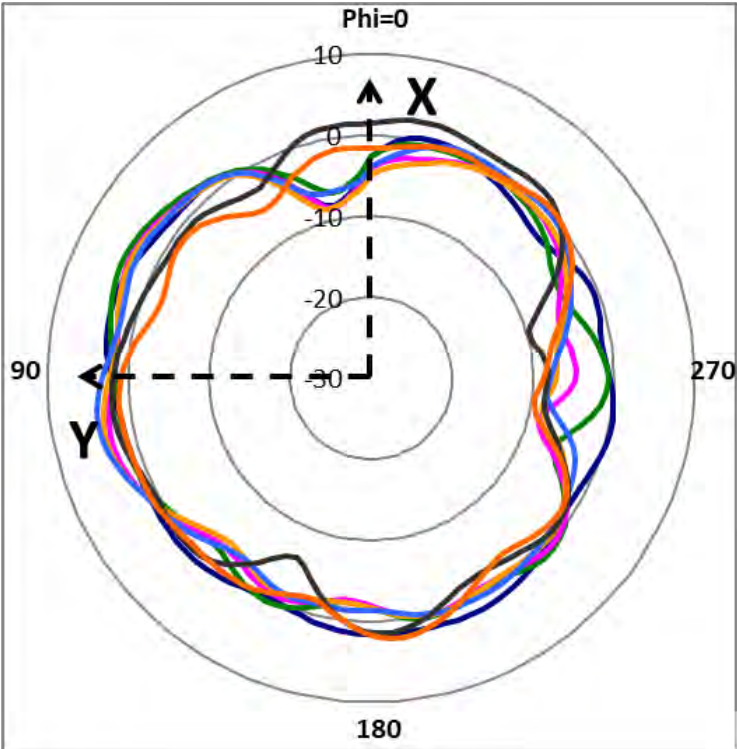
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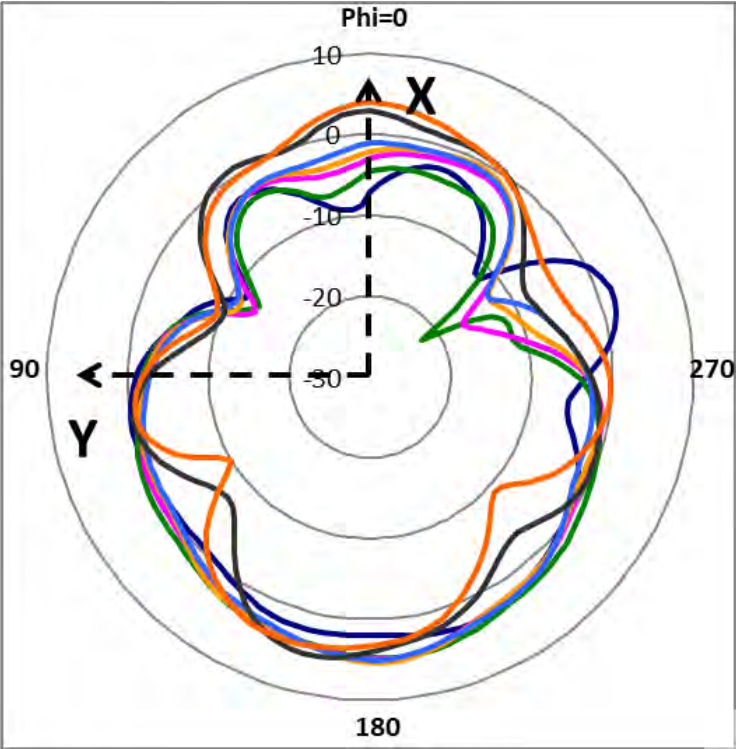
XY_Pol._Phi_Ant.3



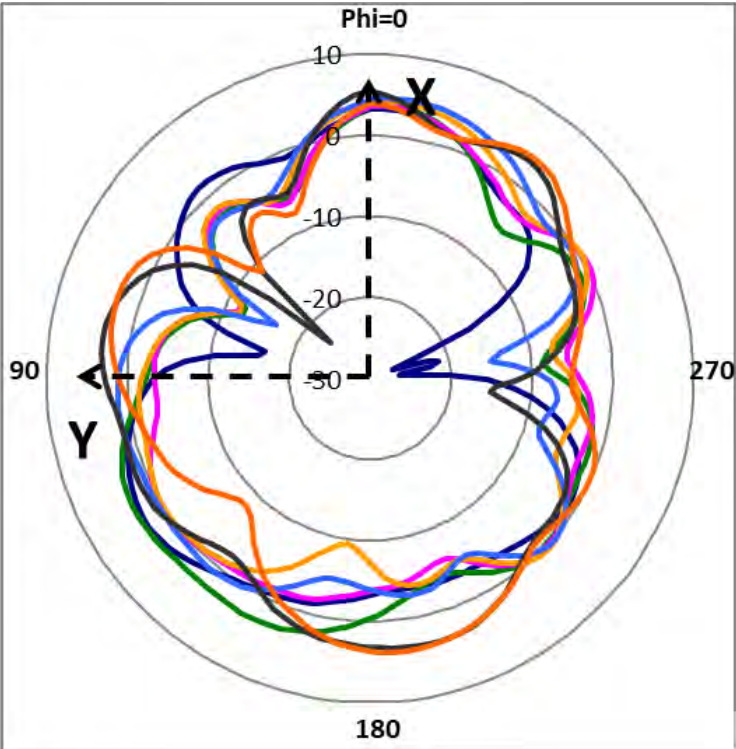
XY_Pol._Phi_Ant.4



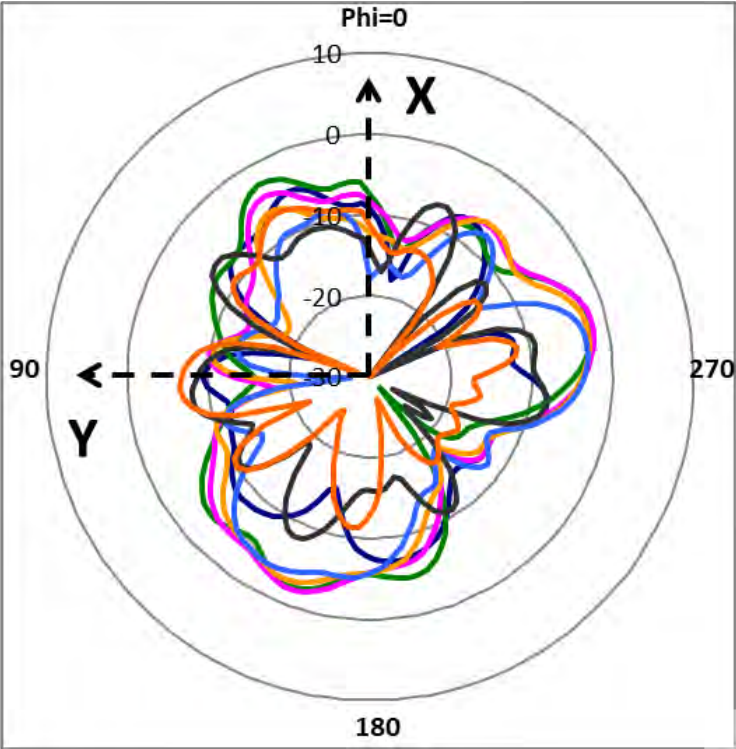
XY_Pol._Theta_Ant.1



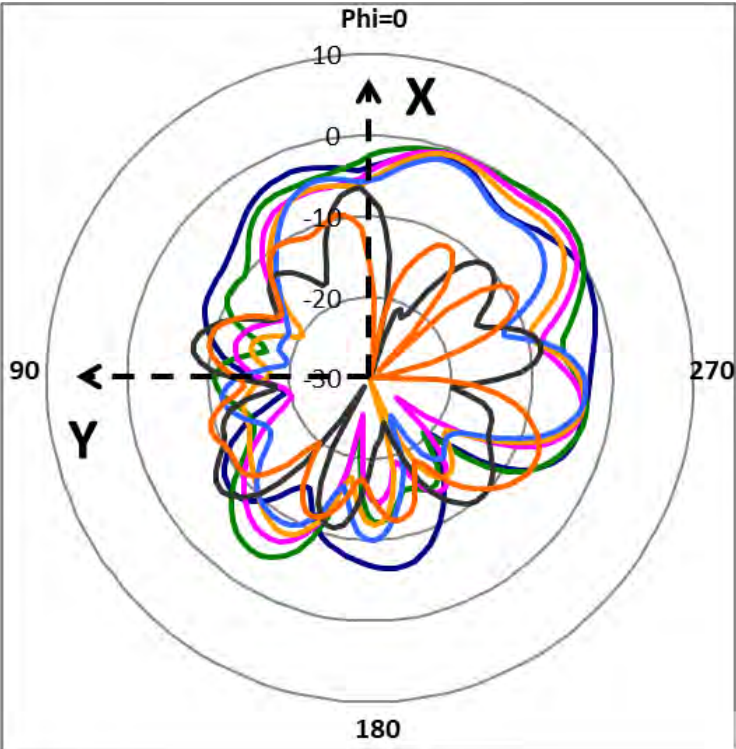
XY_Pol._Theta_Ant.2



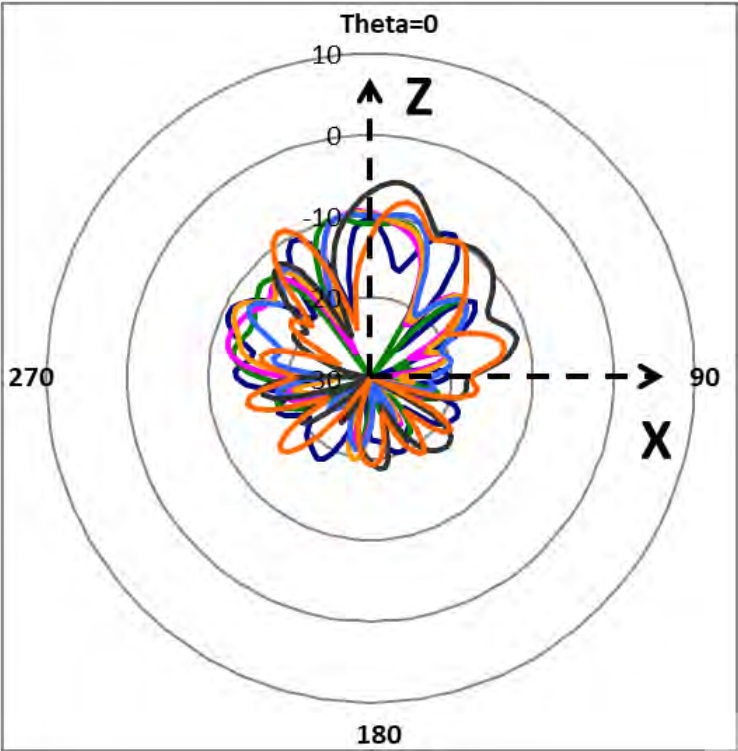
XY_Pol._Theta_Ant.3



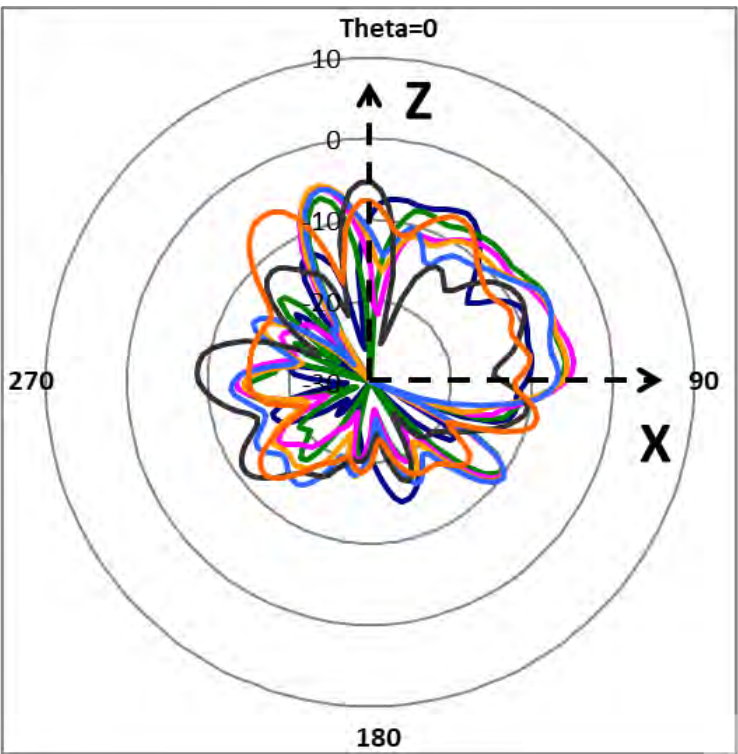
XY_Pol._Theta_Ant.4



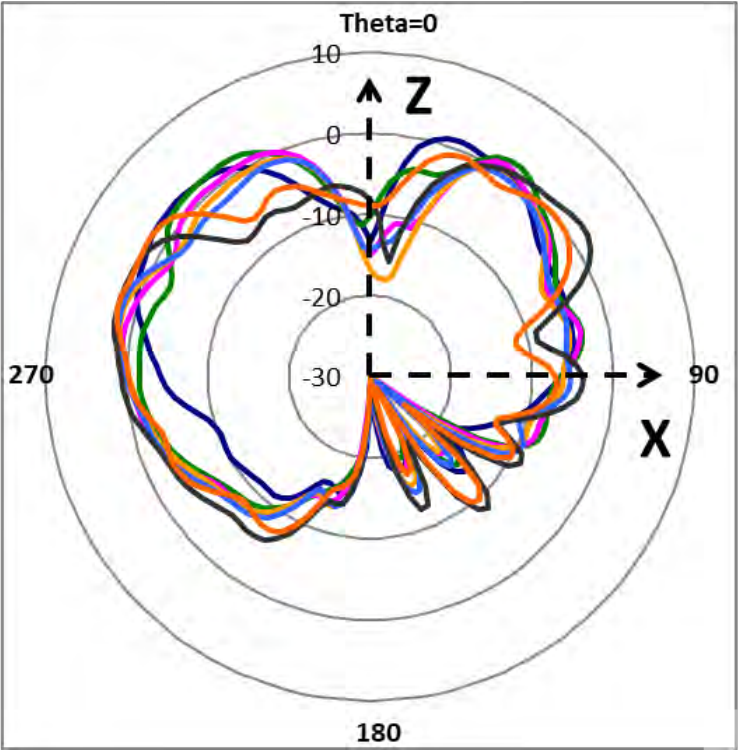
XZ_Pol._Phi_Ant.1



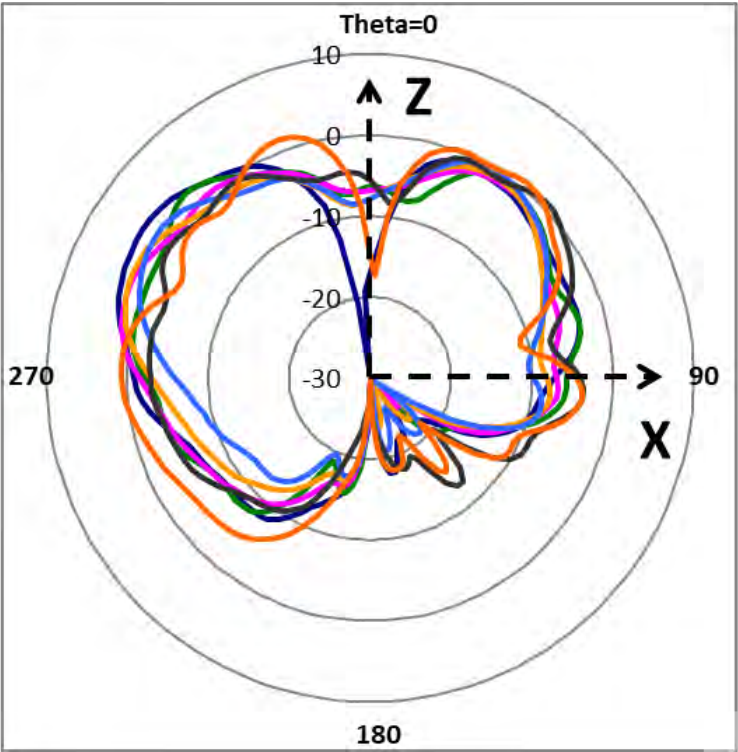
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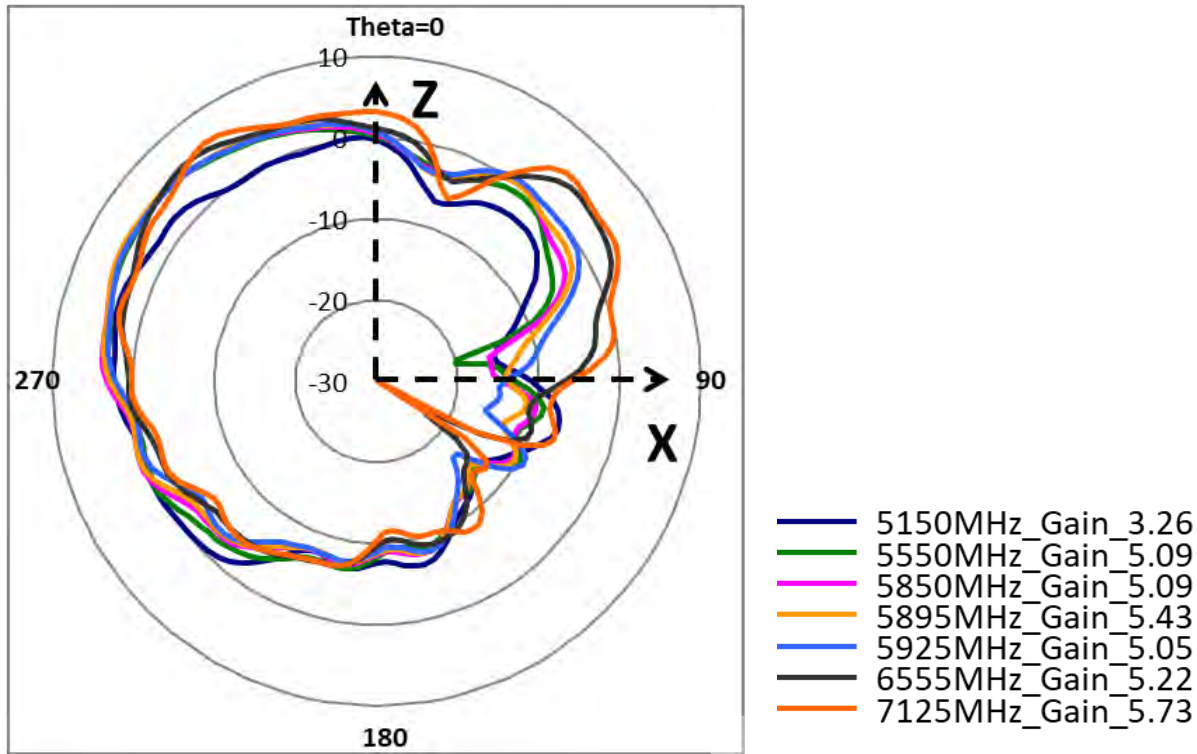
XZ_Pol._Phi_Ant.3



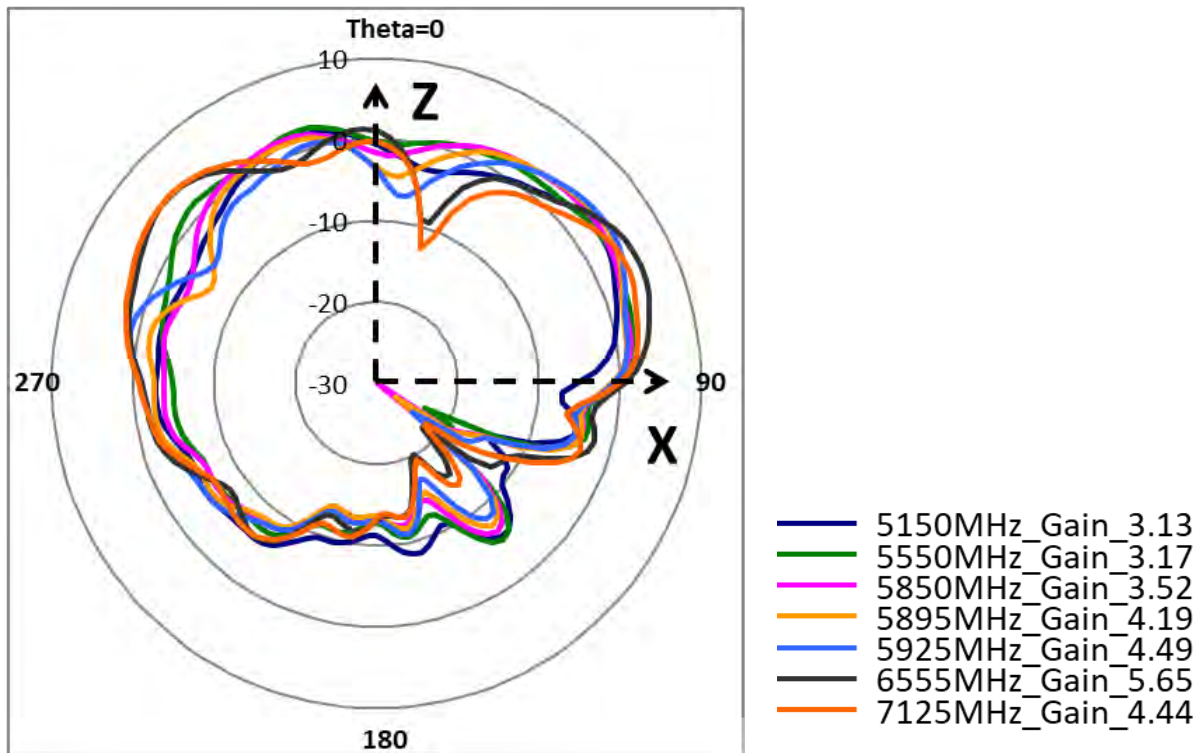
XZ_Pol._Phi_Ant.4



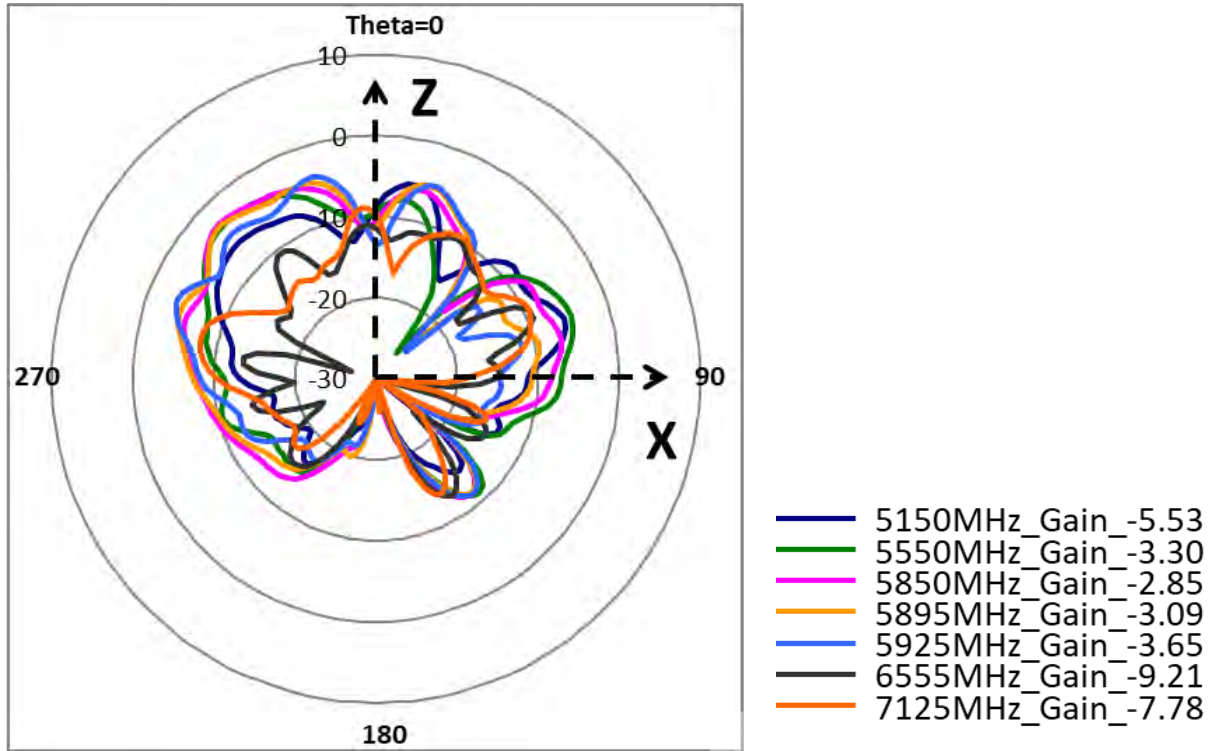
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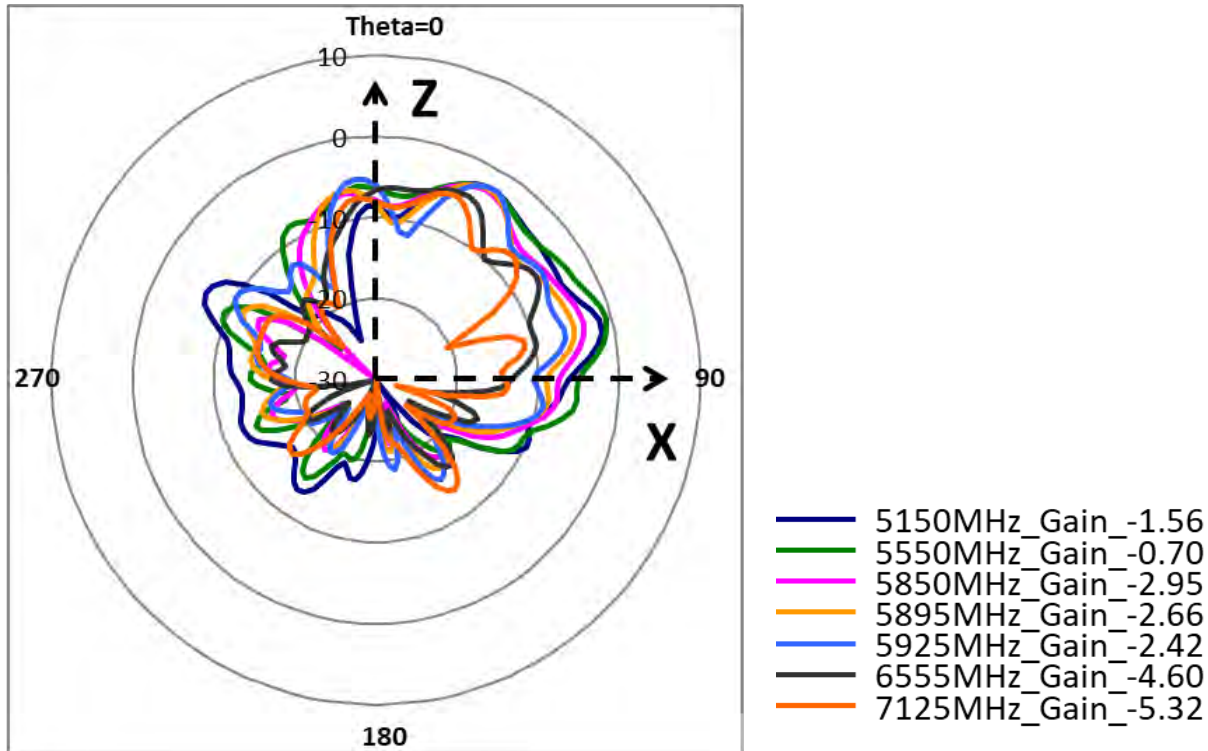
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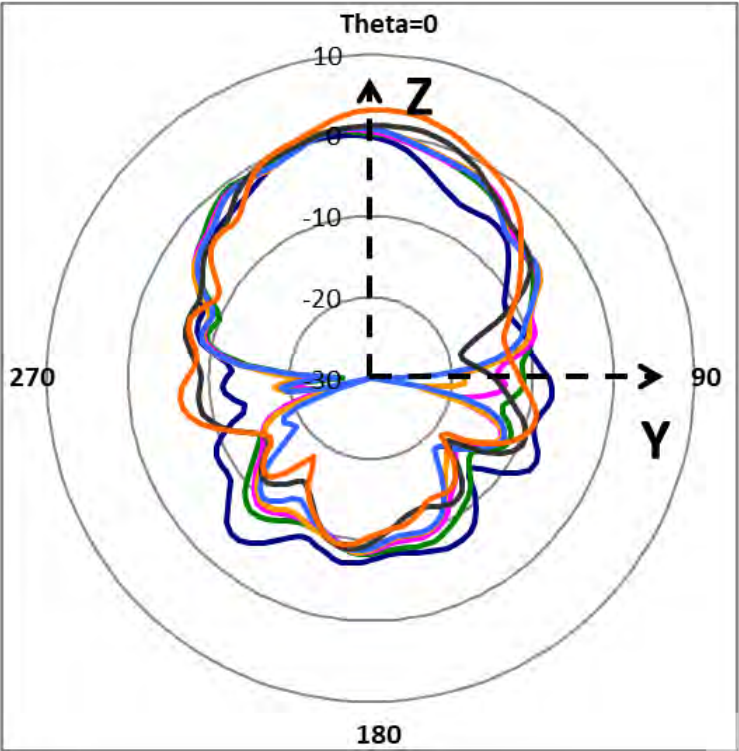
XZ_Pol._Theta_Ant.3



XZ_Pol._Theta_Ant.4

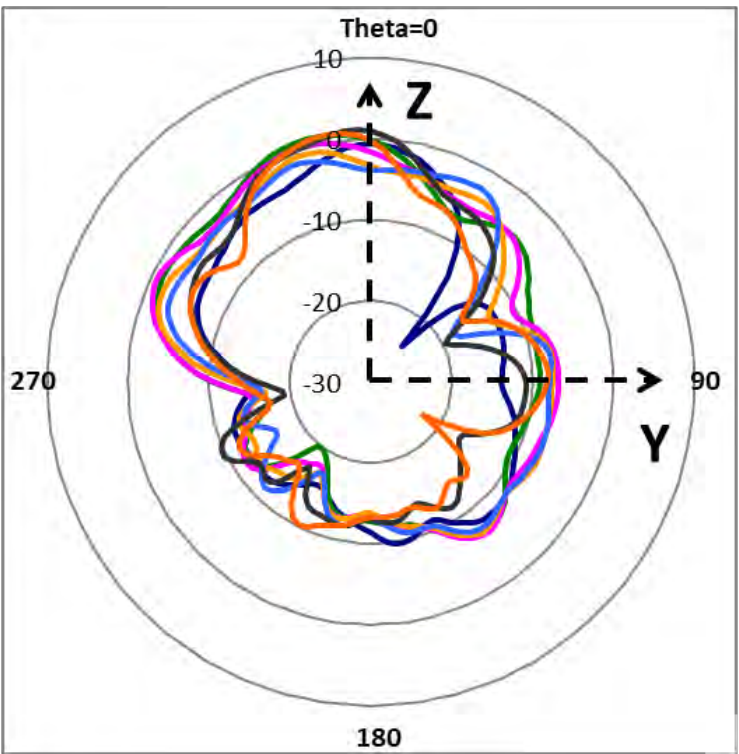


YZ_Pol._Phi_Ant.1



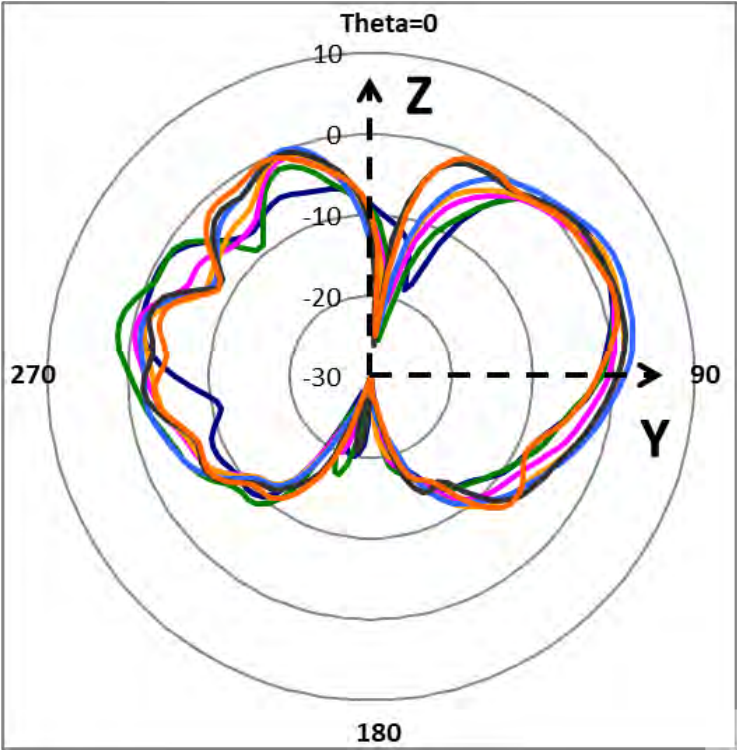
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- 5550MHz_Gain_0.93
- 5850MHz_Gain_0.96
- 5895MHz_Gain_1.10
- 5925MHz_Gain_0.99
- 6555MHz_Gain_1.29
- 7125MHz_Gain_2.76

YZ_Pol._Phi_Ant.2



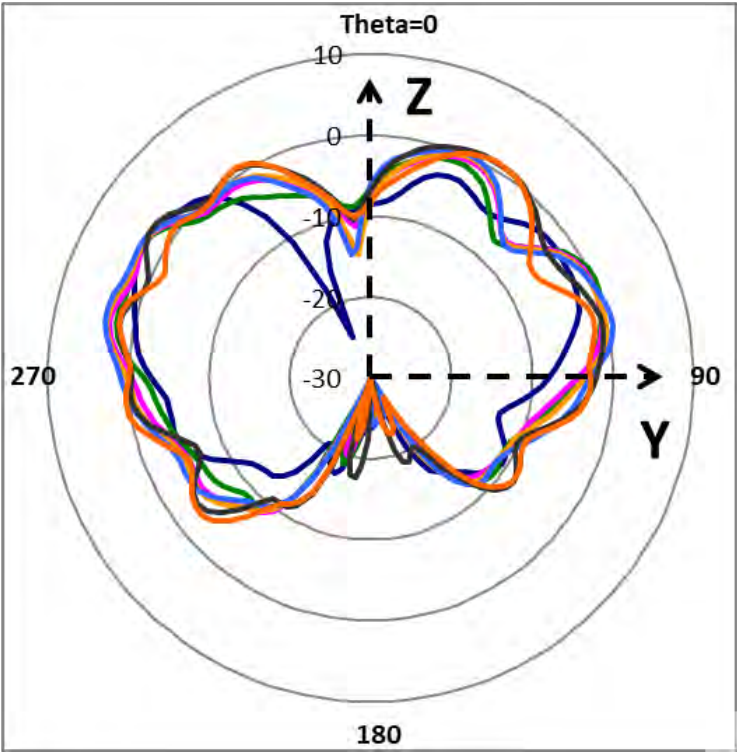
- 5150MHz_Gain_-0.57
- 5550MHz_Gain_1.02
- 5850MHz_Gain_0.26
- 5895MHz_Gain_-0.71
- 5925MHz_Gain_-1.63
- 6555MHz_Gain_1.22
- 7125MHz_Gain_1.04

YZ_Pol._Phi_Ant.3



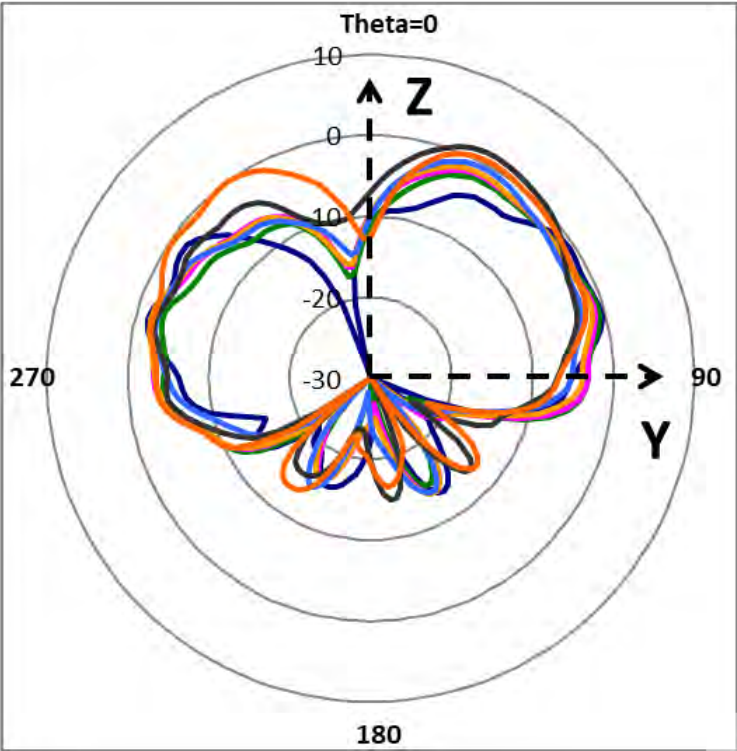
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- 5550MHz_Gain_2.04
- 5850MHz_Gain_2.29
- 5895MHz_Gain_2.68
- 5925MHz_Gain_3.63
- 6555MHz_Gain_2.17
- 7125MHz_Gain_1.75

YZ_Pol._Phi_Ant.4

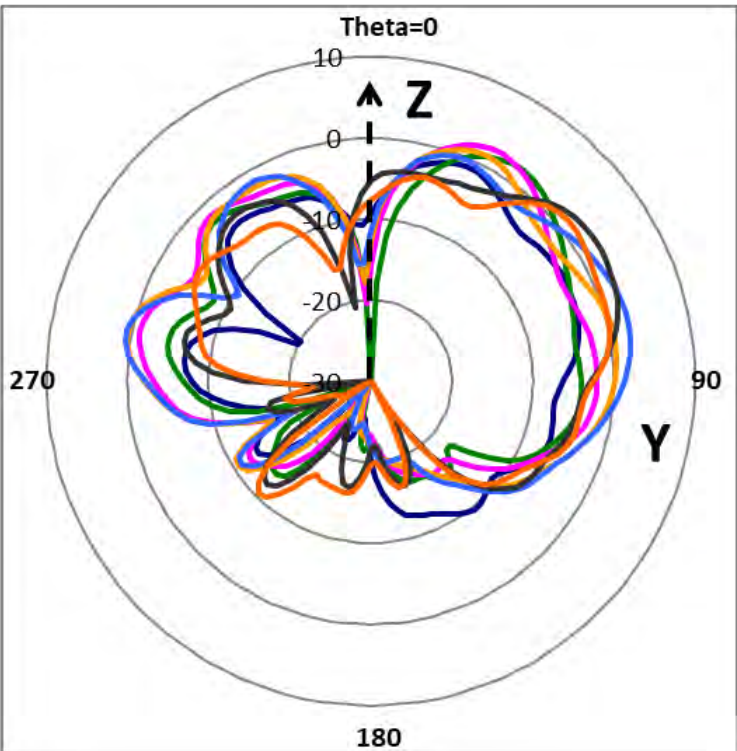


- 5150MHz_Gain_2.48
- 5550MHz_Gain_2.84
- 5850MHz_Gain_3.07
- 5895MHz_Gain_3.39
- 5925MHz_Gain_3.74
- 6555MHz_Gain_2.74
- 7125MHz_Gain_1.88

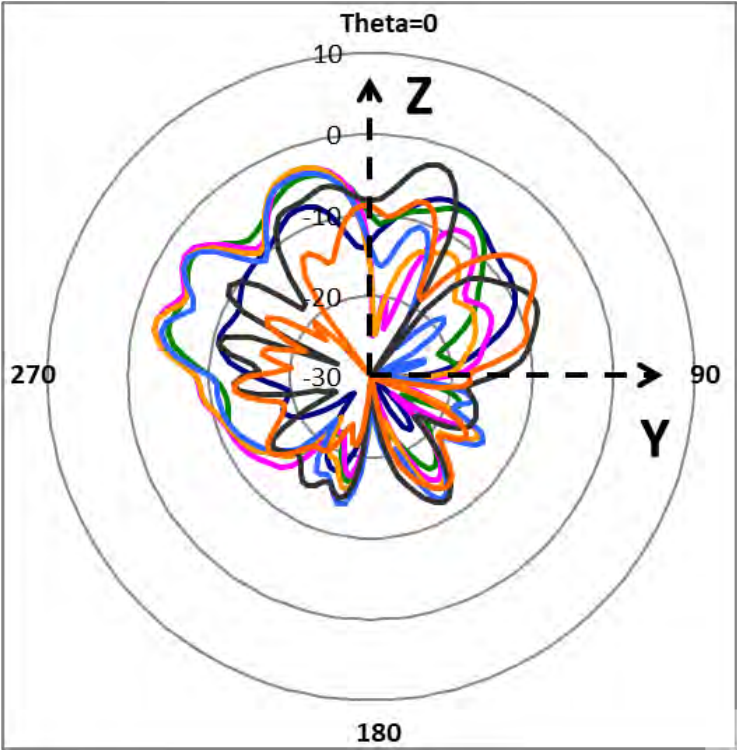
YZ_Pol._Theta_Ant.1



YZ_Pol._Theta_Ant.2

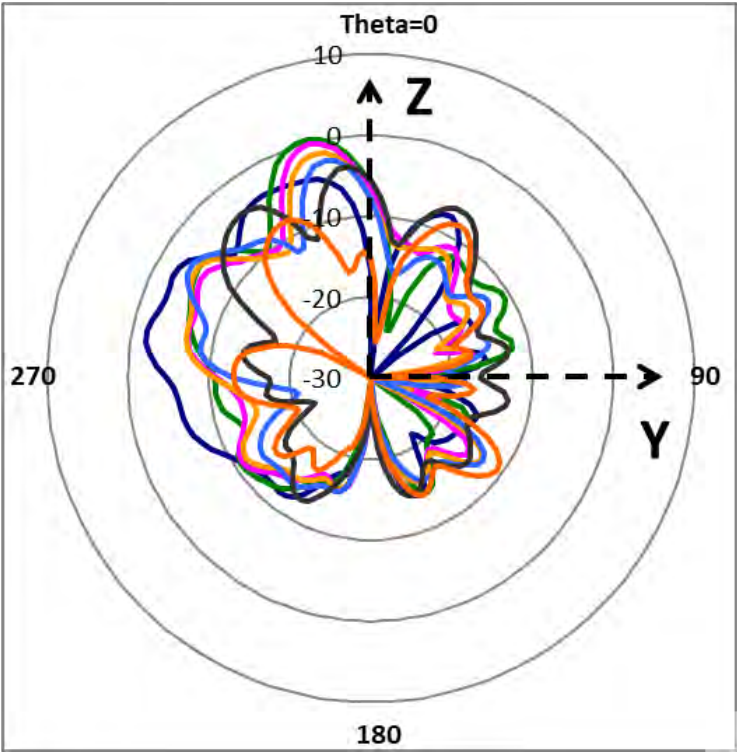


YZ_Pol._Theta_Ant.3



- 5150MHz_Gain_-6.04
- 5550MHz_Gain_-3.47
- 5850MHz_Gain_-2.58
- 5895MHz_Gain_-2.60
- 5925MHz_Gain_-3.03
- 6555MHz_Gain_-2.47
- 7125MHz_Gain_-6.04

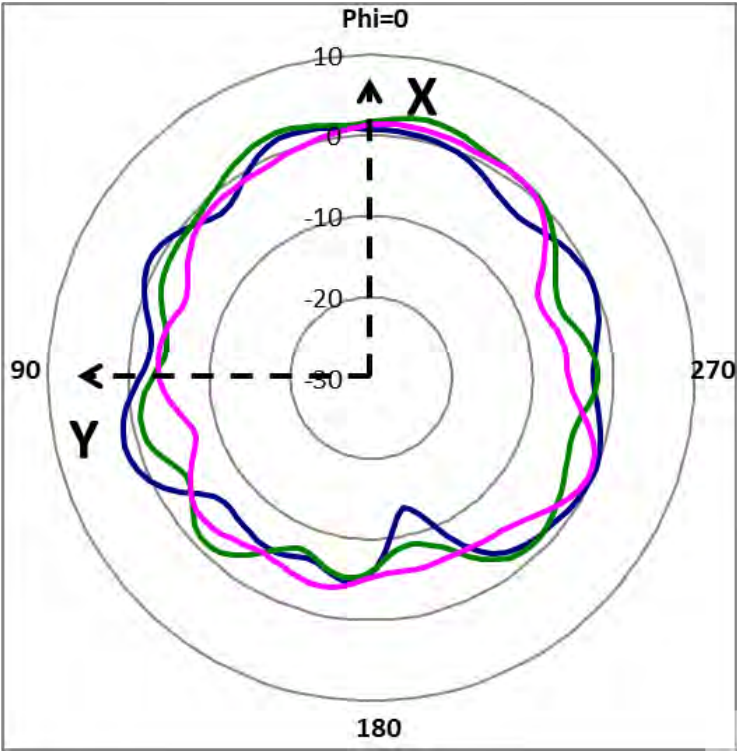
YZ_Pol._Theta_Ant.4



- 5150MHz_Gain_-1.74
- 5550MHz_Gain_0.50
- 5850MHz_Gain_-0.15
- 5895MHz_Gain_-1.45
- 5925MHz_Gain_-2.56
- 6555MHz_Gain_-3.79
- 7125MHz_Gain_-7.98

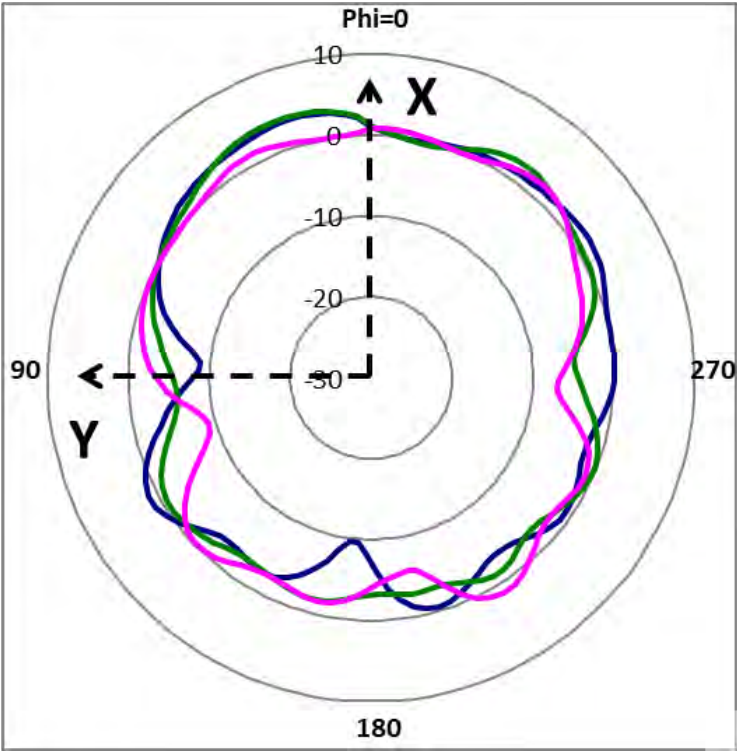
Ant. Position : 6G Ant.5~8

XY_Pol._Phi_Ant.5



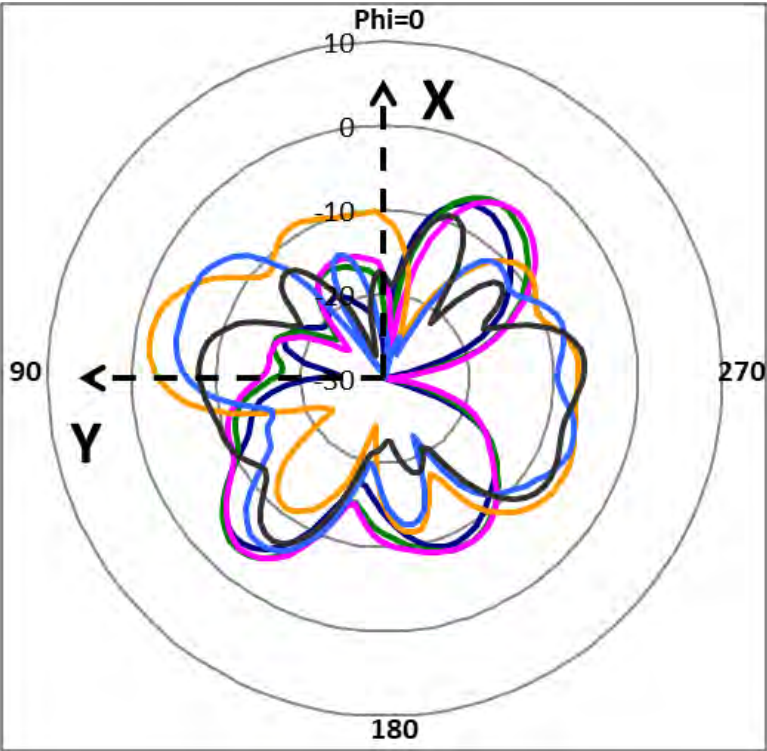
- 5925MHz_Gain_1.83
- 6555MHz_Gain_2.62
- 7125MHz_Gain_1.51

XY_Pol._Phi_Ant.6



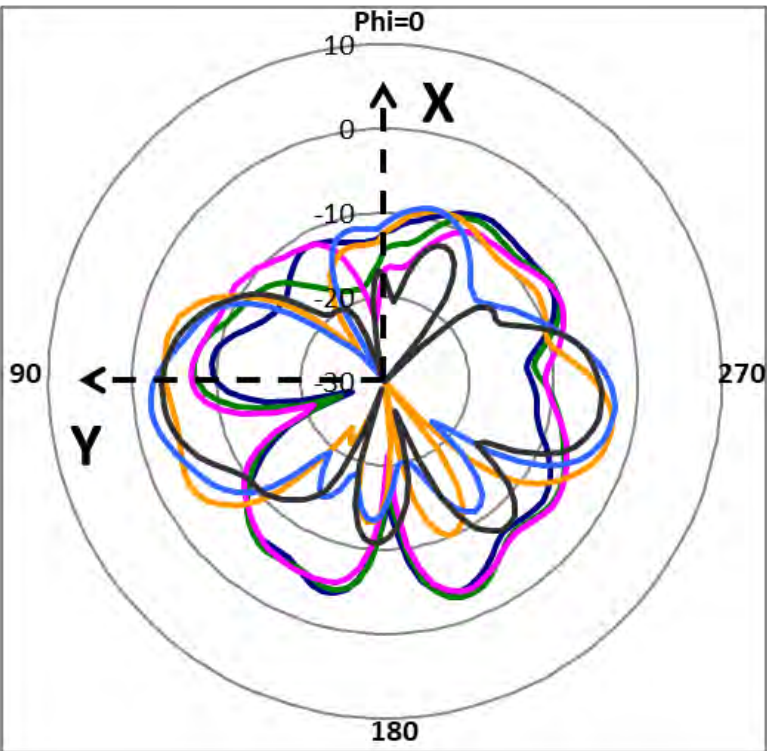
- 5925MHz_Gain_3.46
- 6555MHz_Gain_3.84
- 7125MHz_Gain_1.97

XY_Pol._Phi_Ant.7



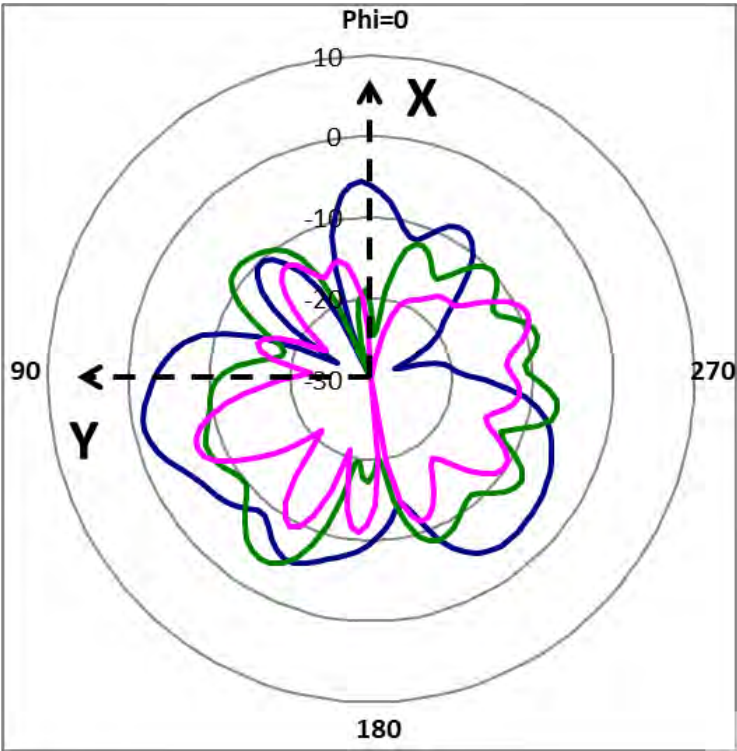
- 2401MHz_Gain_-4.14
- 2452MHz_Gain_-3.30
- 2484MHz_Gain_-3.53
- 5925MHz_Gain_-1.73
- 6555MHz_Gain_-4.73
- 7125MHz_Gain_-6.25

XY_Pol._Phi_Ant.8



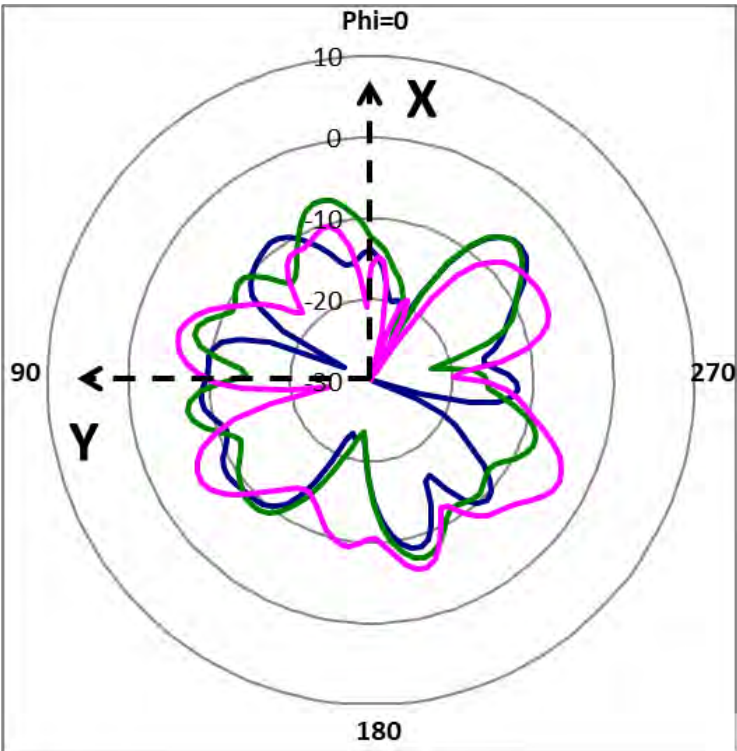
- 2401MHz_Gain_-3.44
- 2452MHz_Gain_-2.73
- 2484MHz_Gain_-3.37
- 5925MHz_Gain_-2.52
- 6555MHz_Gain_-2.03
- 7125MHz_Gain_-3.52

XY_Pol._Theta_Ant.5



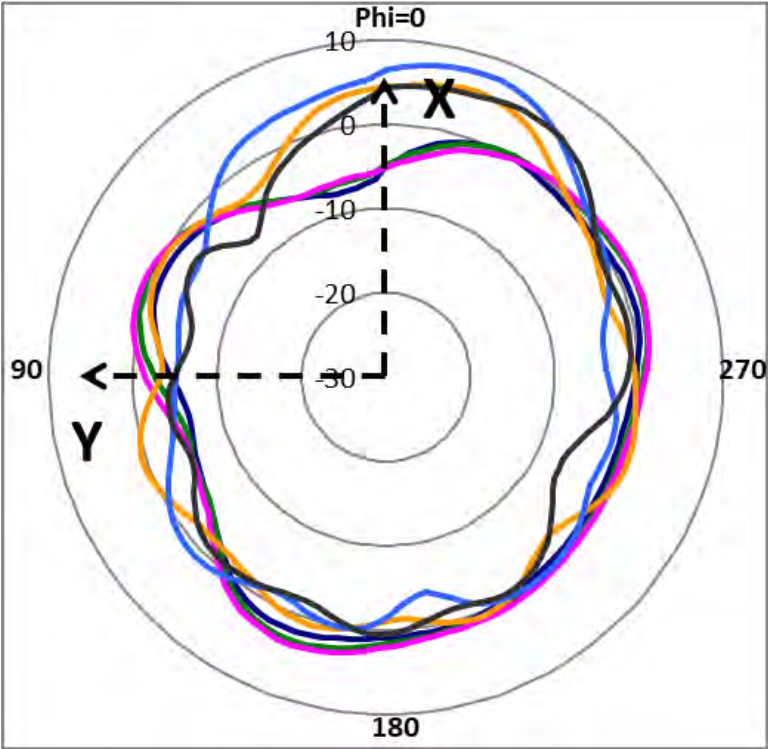
5925MHz_Gain_-1.24
6555MHz_Gain_-3.80
7125MHz_Gain_-6.76

XY_Pol._Theta_Ant.6



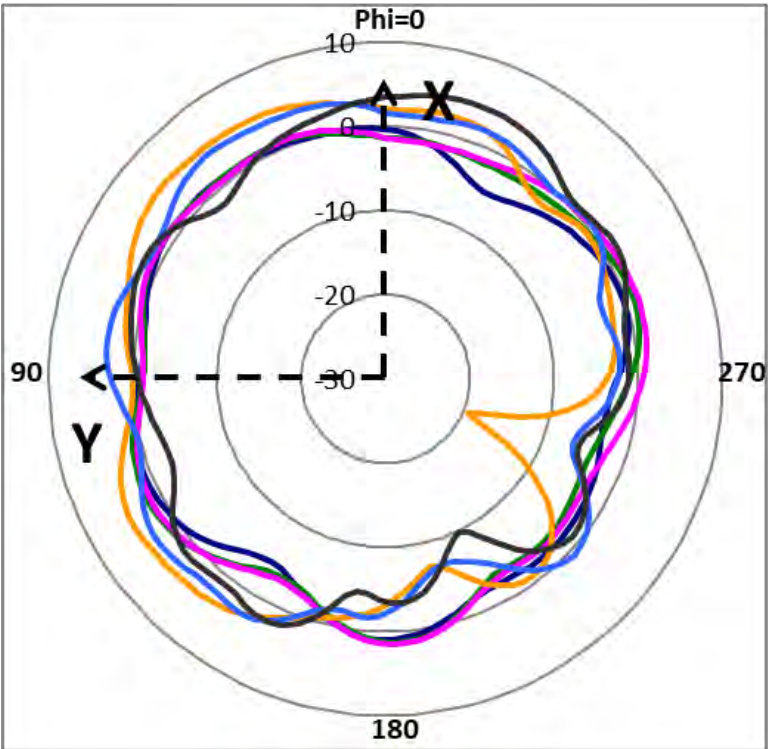
5925MHz_Gain_-5.18
6555MHz_Gain_-5.43
7125MHz_Gain_-3.59

XY_Pol._Theta_Ant.7



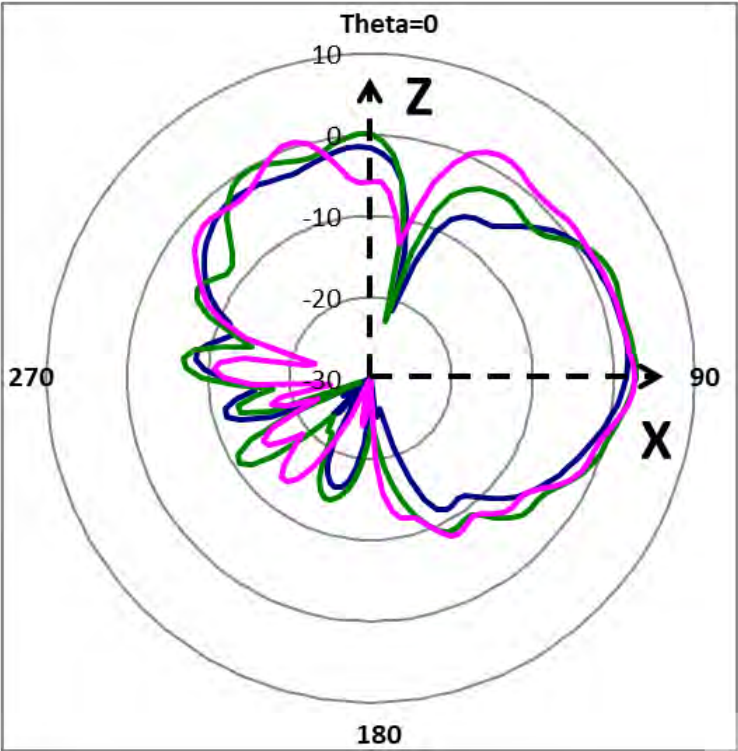
- 2401MHz_Gain_2.02
- 2452MHz_Gain_3.19
- 2484MHz_Gain_3.67
- 5925MHz_Gain_5.50
- 6555MHz_Gain_5.31
- 7125MHz_Gain_5.57

XY_Pol._Theta_Ant.8



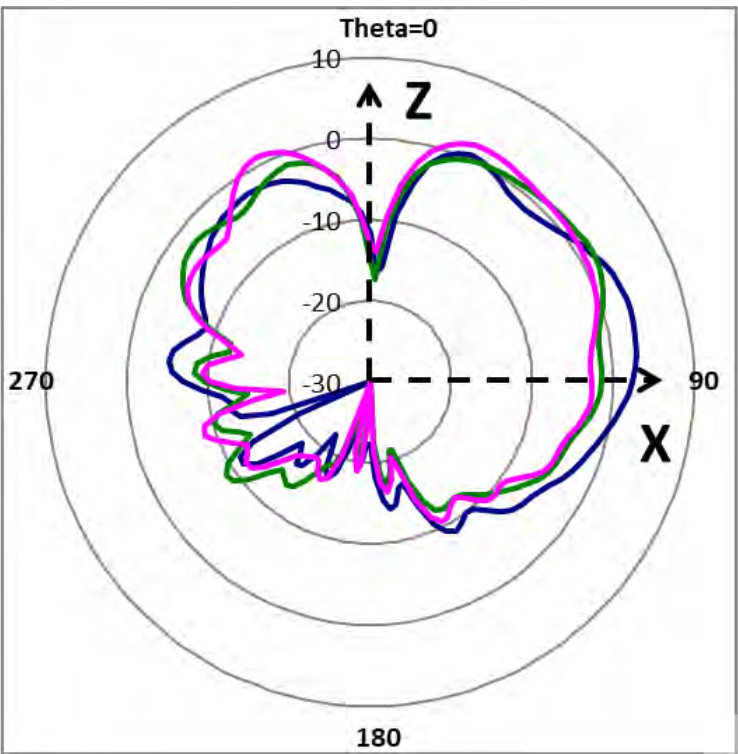
- 2401MHz_Gain_1.07
- 2452MHz_Gain_1.75
- 2484MHz_Gain_1.60
- 5925MHz_Gain_5.07
- 6555MHz_Gain_3.98
- 7125MHz_Gain_4.38

XZ_Pol._Phi_Ant.5



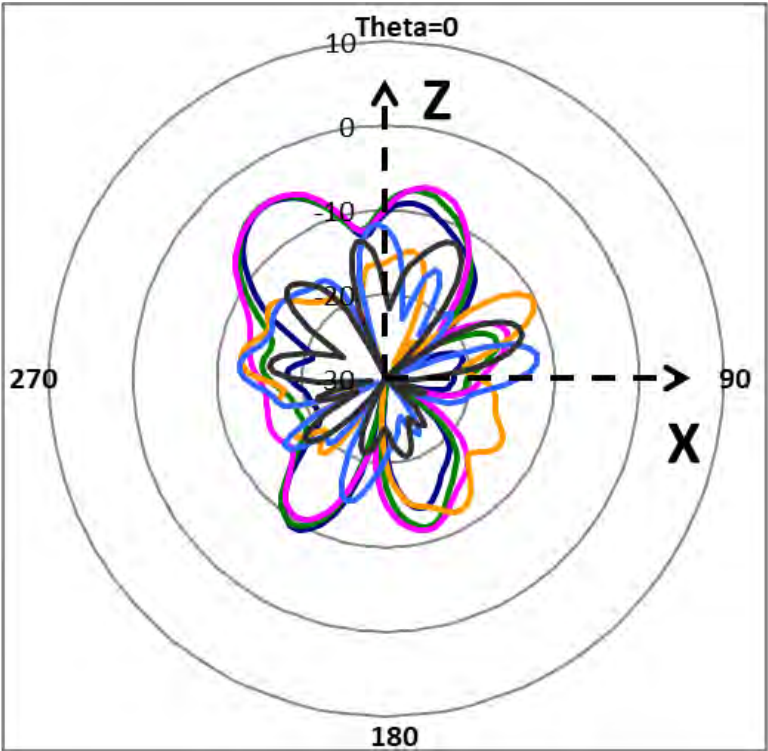
- 5925MHz_Gain_1.90
- 6555MHz_Gain_2.80
- 7125MHz_Gain_2.57

XZ_Pol._Phi_Ant.6



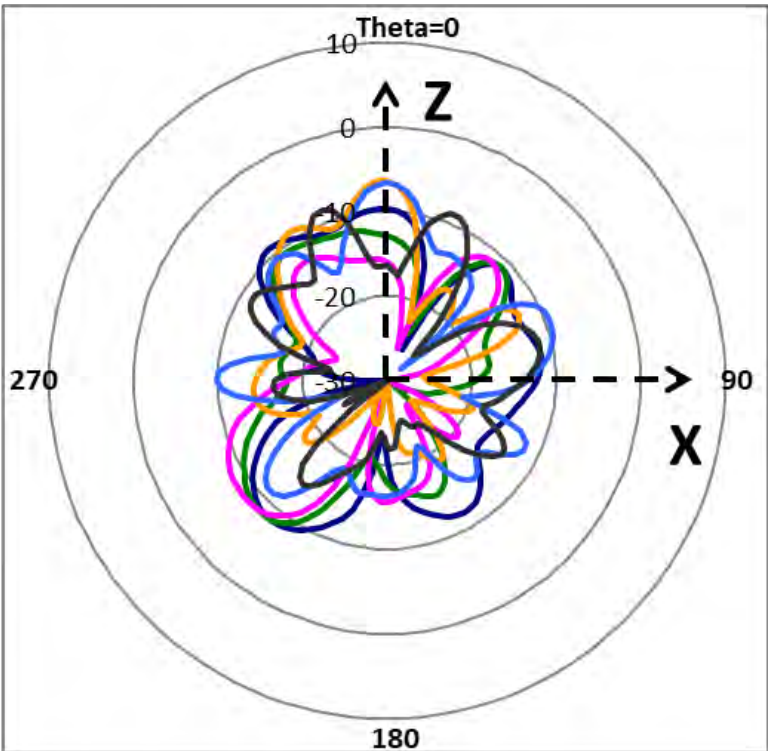
- 5925MHz_Gain_3.35
- 6555MHz_Gain_1.77
- 7125MHz_Gain_2.07

XZ_Pol._Phi_Ant.7



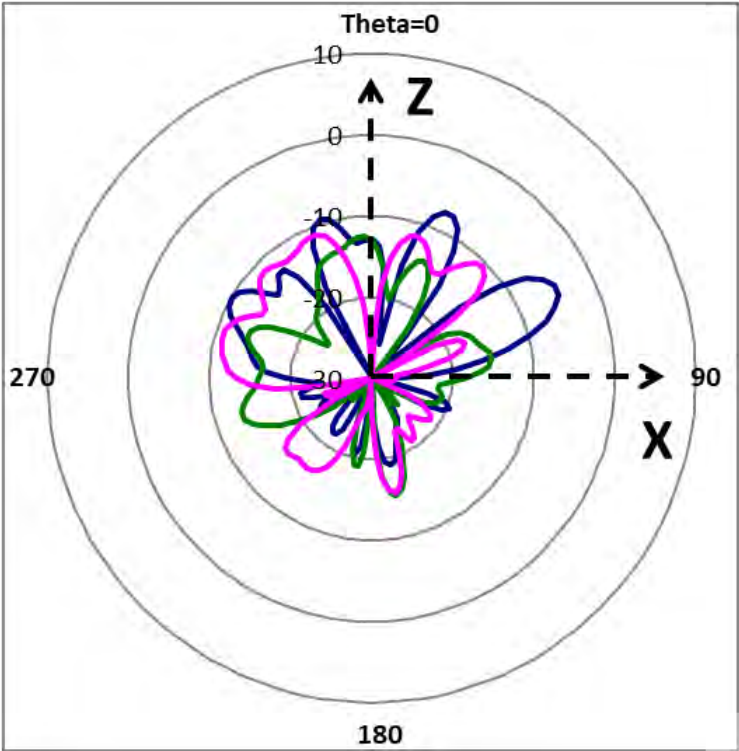
- 2401MHz_Gain_-4.96
- 2452MHz_Gain_-4.72
- 2484MHz_Gain_-4.85
- 5925MHz_Gain_-10.25
- 6555MHz_Gain_-11.69
- 7125MHz_Gain_-11.95

XZ_Pol._Phi_Ant.8



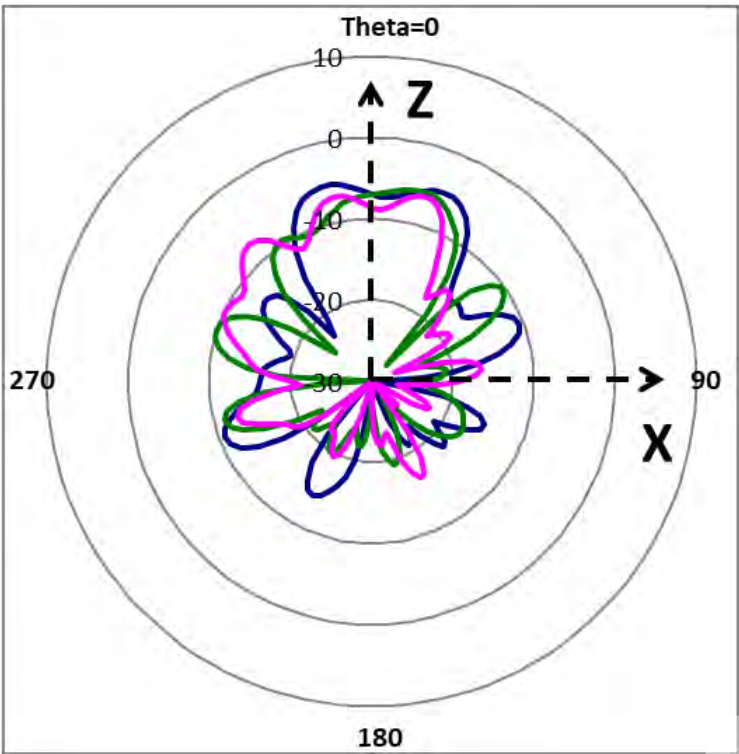
- 2401MHz_Gain_-8.45
- 2452MHz_Gain_-8.36
- 2484MHz_Gain_-8.21
- 5925MHz_Gain_-6.28
- 6555MHz_Gain_-6.62
- 7125MHz_Gain_-8.39

XZ_Pol._Theta_Ant.5



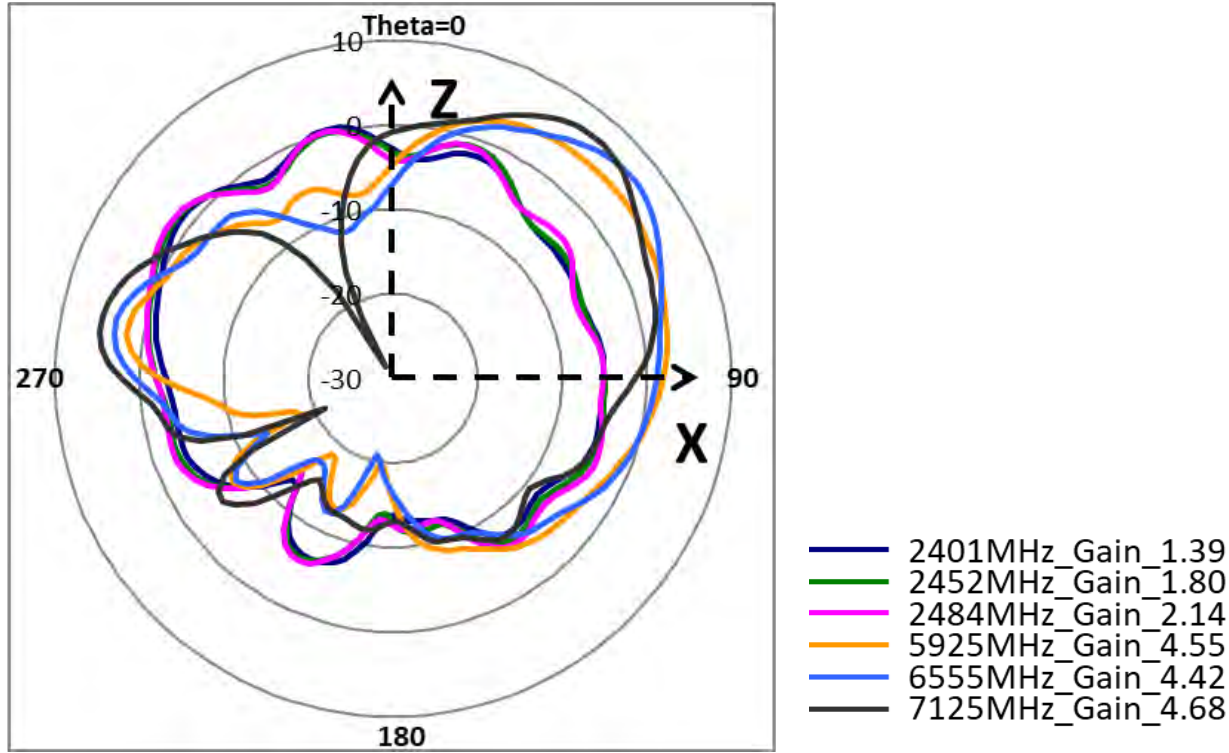
- 5925MHz_Gain_-4.23
- 6555MHz_Gain_-12.45
- 7125MHz_Gain_-10.63

XZ_Pol._Theta_Ant.6

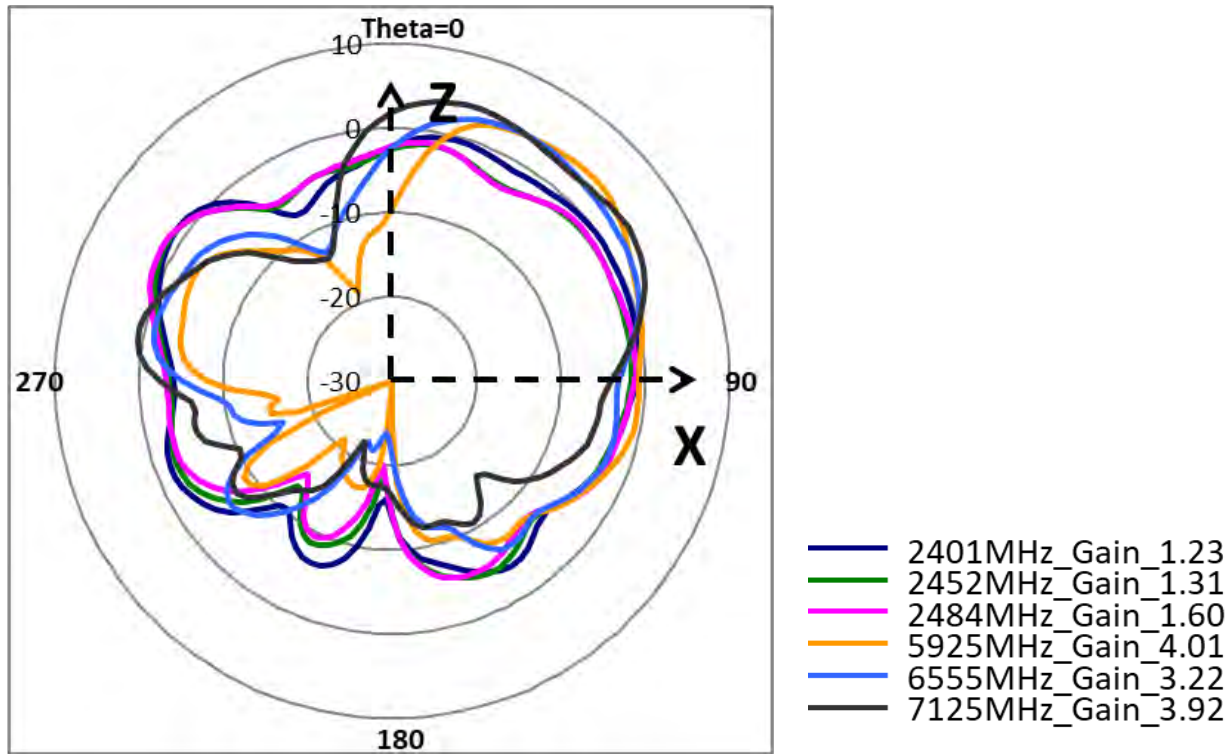


- 5925MHz_Gain_-5.12
- 6555MHz_Gain_-5.74
- 7125MHz_Gain_-6.29

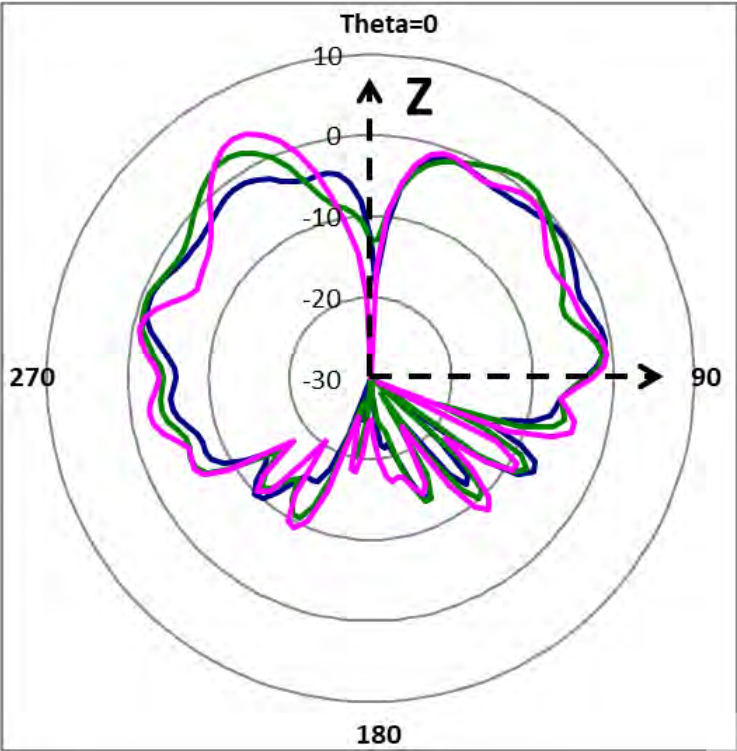
XZ_Pol._Theta_Ant.7



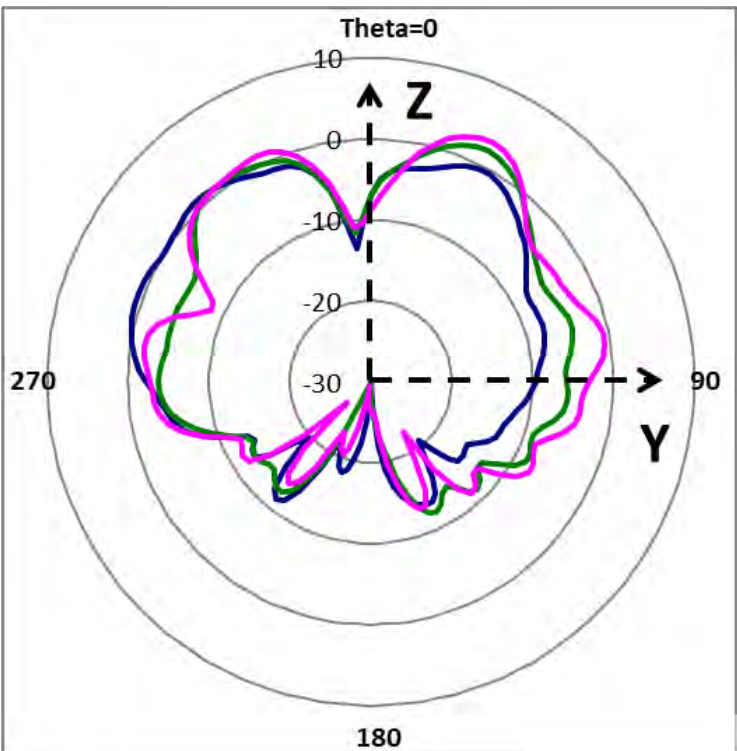
XZ_Pol._Theta_Ant.8



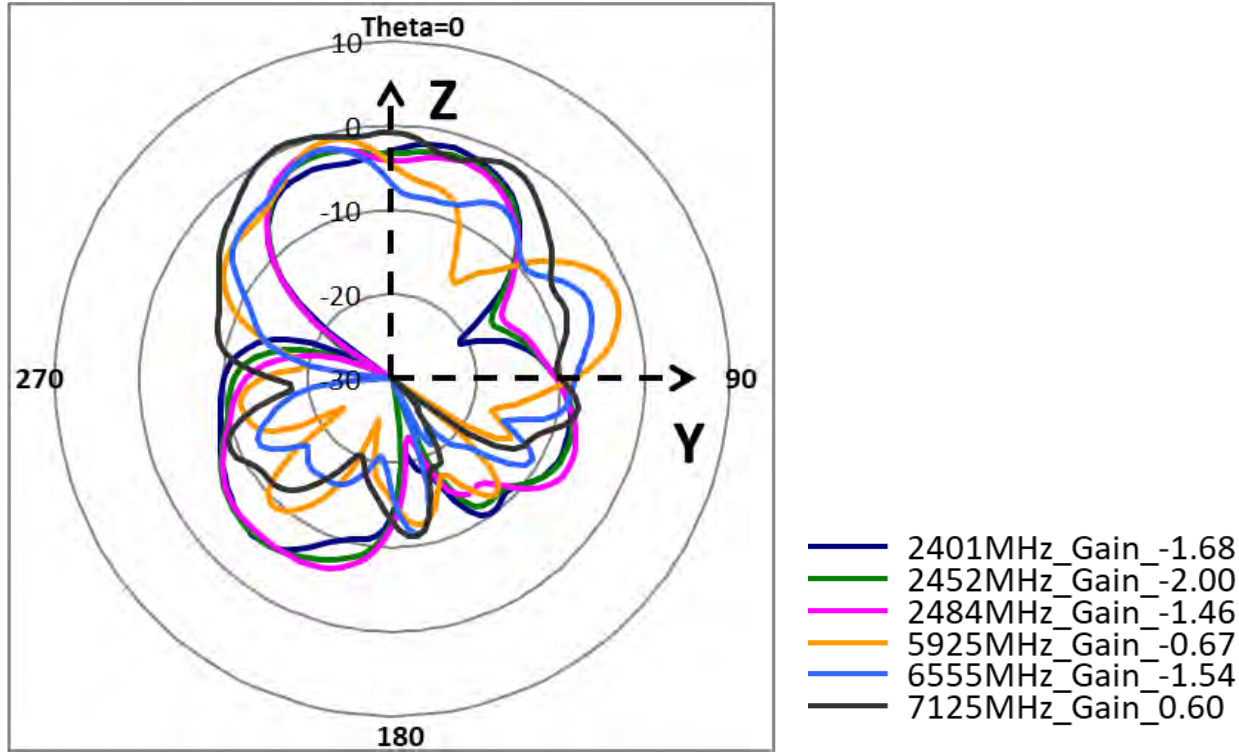
YZ_Pol._Phi_Ant.5



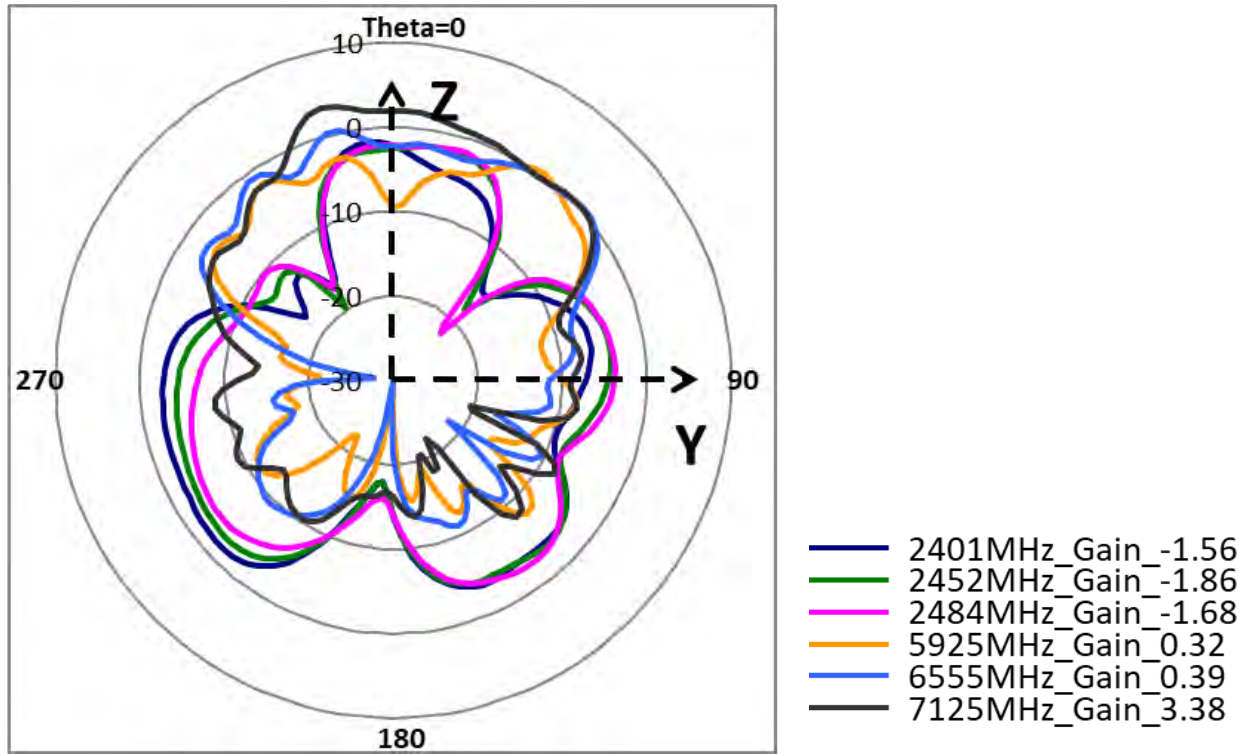
YZ_Pol._Phi_Ant.6



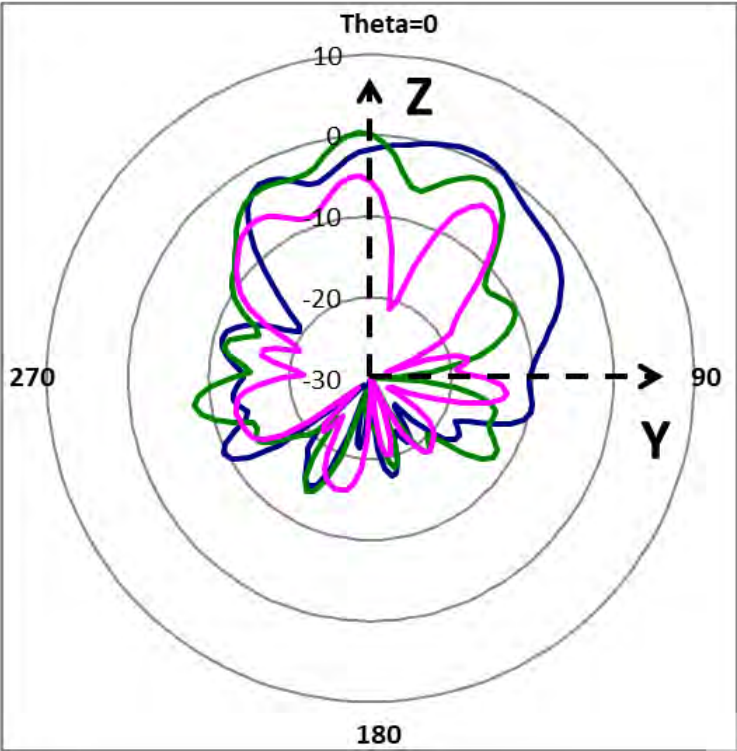
YZ_Pol._Phi_Ant.7



YZ_Pol._Phi_Ant.8

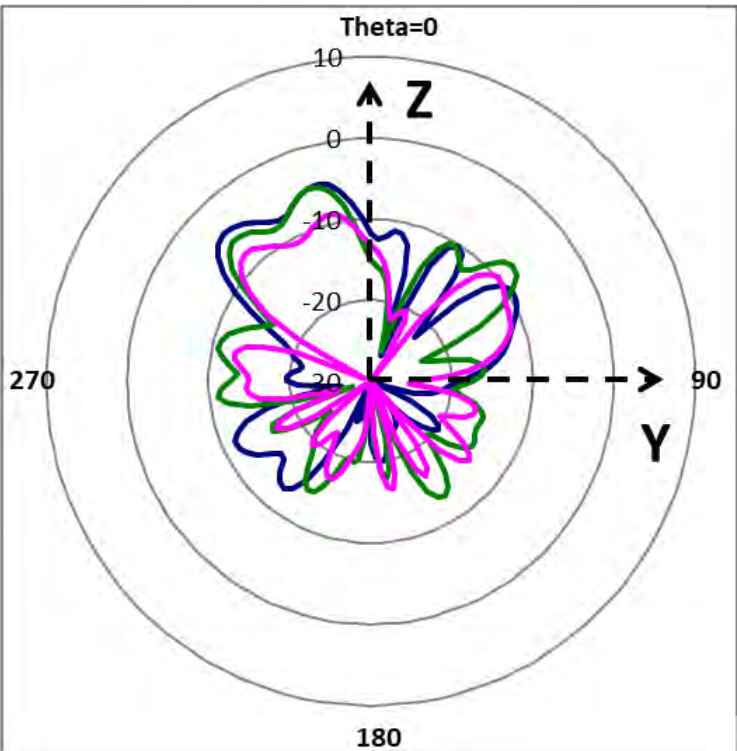


YZ_Pol._Theta_Ant.5



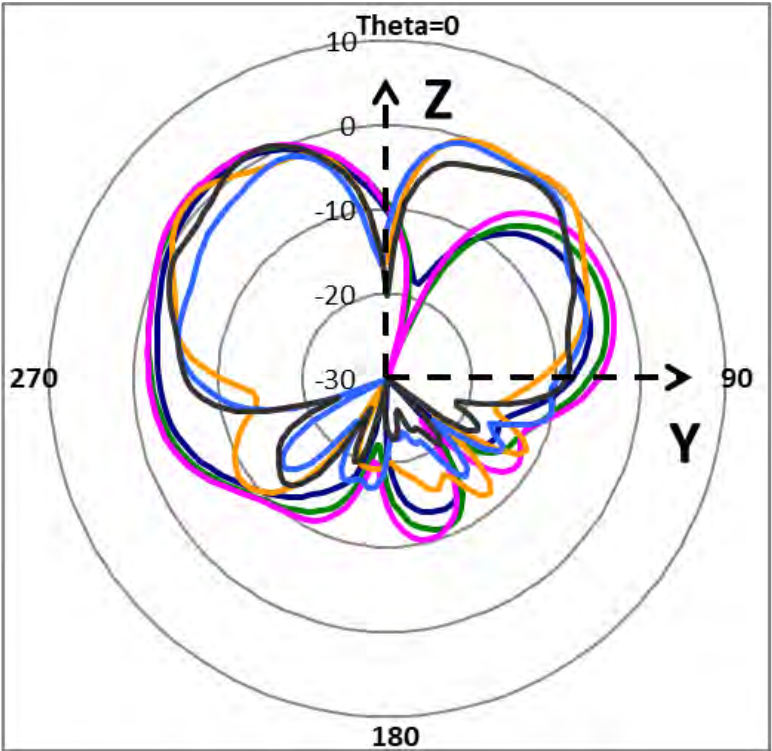
5925MHz_Gain_0.88
6555MHz_Gain_0.35
7125MHz_Gain_-4.62

YZ_Pol._Theta_Ant.6



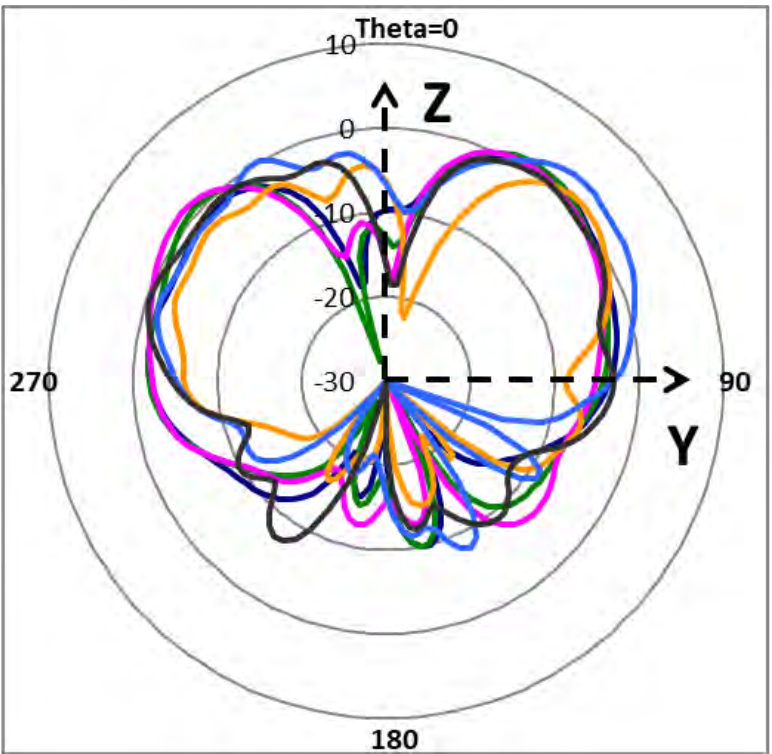
5925MHz_Gain_-4.34
6555MHz_Gain_-5.04
7125MHz_Gain_-7.91

YZ_Pol._Theta_Ant.7



- 2401MHz_Gain_1.21
- 2452MHz_Gain_1.70
- 2484MHz_Gain_1.88
- 5925MHz_Gain_1.51
- 6555MHz_Gain_-0.45
- 7125MHz_Gain_1.16

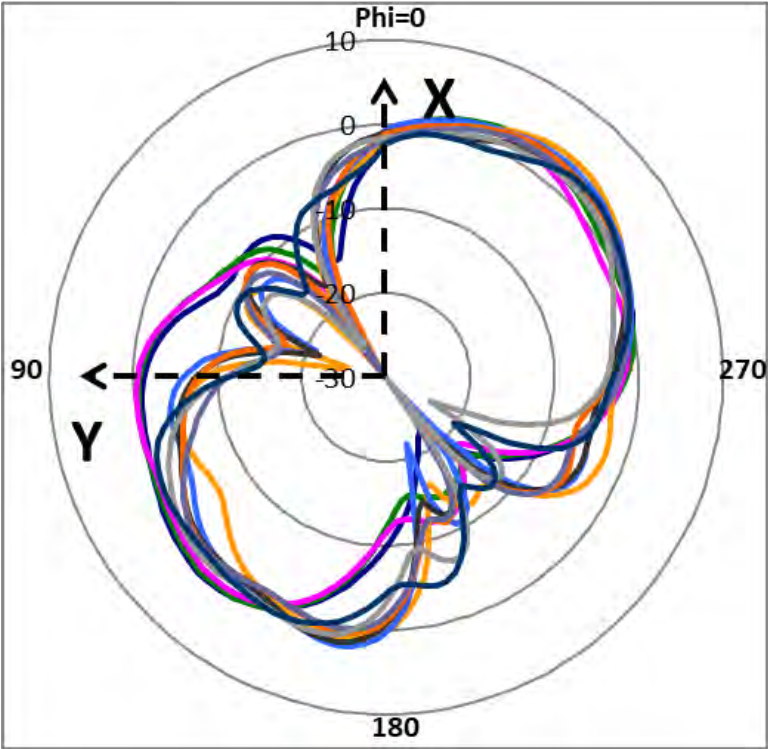
YZ_Pol._Theta_Ant.8



- 2401MHz_Gain_1.19
- 2452MHz_Gain_1.29
- 2484MHz_Gain_1.38
- 5925MHz_Gain_1.29
- 6555MHz_Gain_3.34
- 7125MHz_Gain_0.38

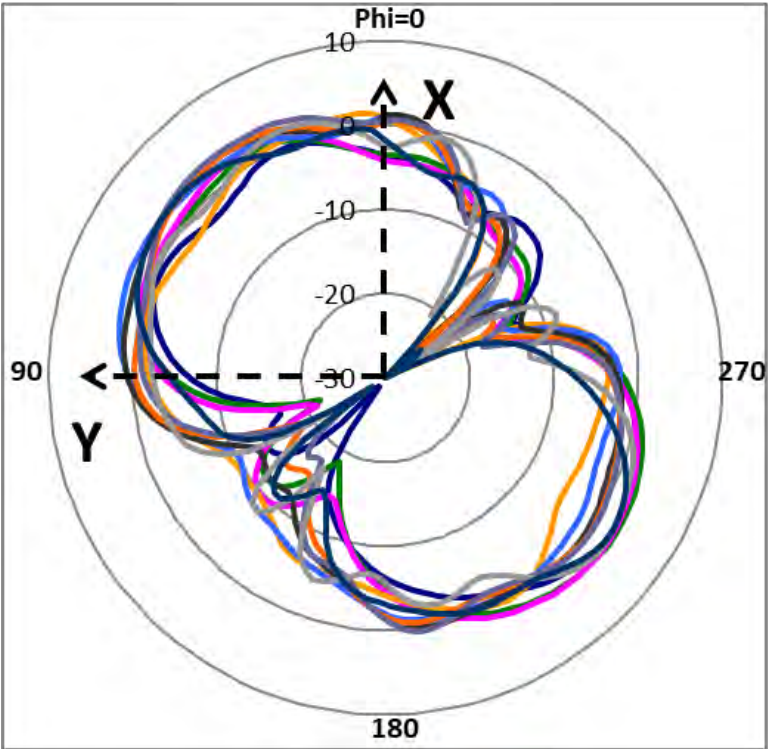
Ant. Position : 2G/5G/6G Ant.9~12

XY_Pol._Phi_Ant.9



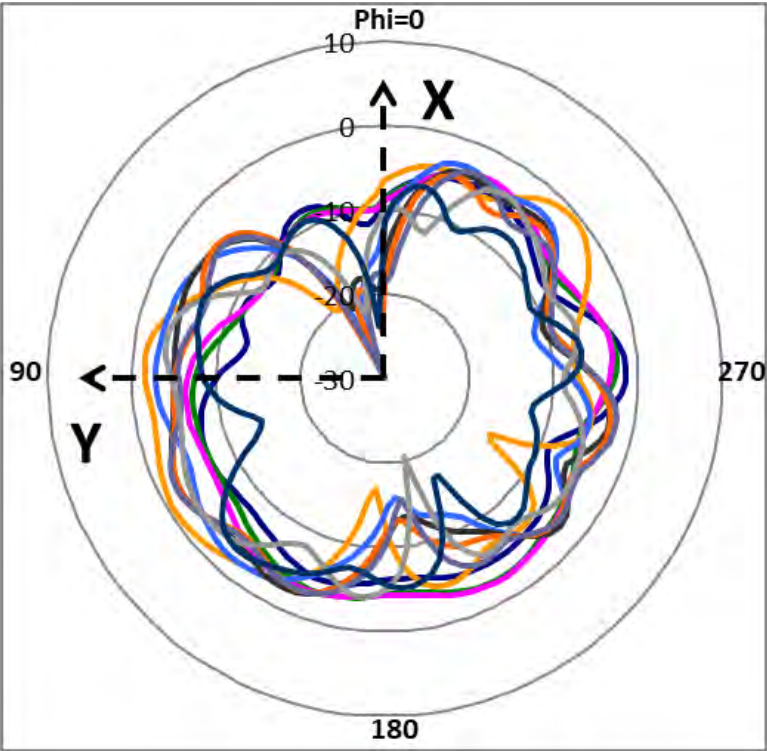
- 2401MHz_Gain_2.32
- 2452MHz_Gain_2.68
- 2484MHz_Gain_2.01
- 5150MHz_Gain_4.18
- 5550MHz_Gain_3.36
- 5850MHz_Gain_2.57
- 5895MHz_Gain_2.93
- 5925MHz_Gain_2.34
- 6555MHz_Gain_1.79
- 7125MHz_Gain_2.69

XY_Pol._Phi_Ant.10

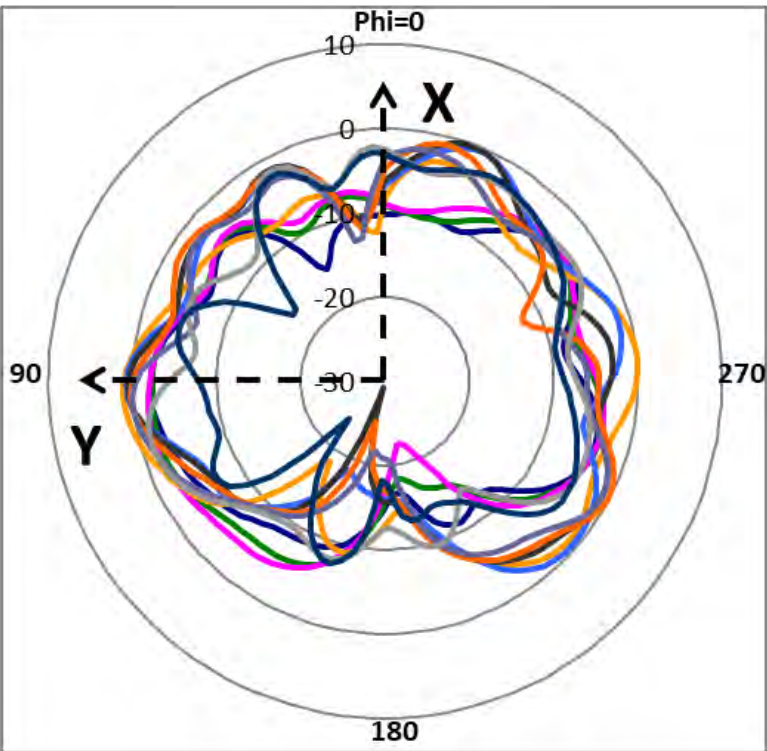


- 2401MHz_Gain_2.51
- 2452MHz_Gain_3.07
- 2484MHz_Gain_2.89
- 5150MHz_Gain_1.53
- 5550MHz_Gain_2.83
- 5850MHz_Gain_2.99
- 5895MHz_Gain_2.79
- 5925MHz_Gain_3.29
- 6555MHz_Gain_2.64
- 7125MHz_Gain_2.67

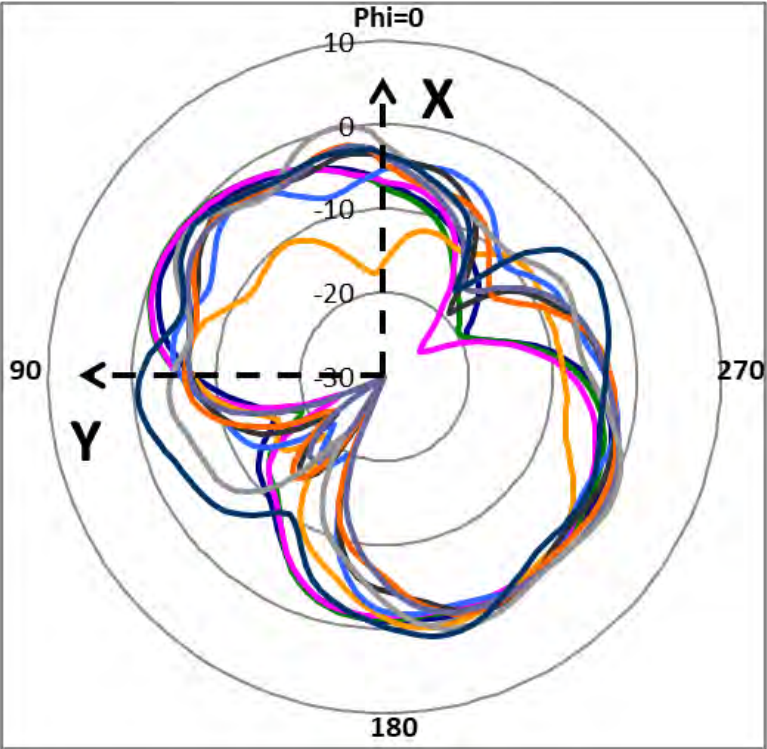
XY_Pol._Phi_Ant.11



XY_Pol._Phi_Ant.12

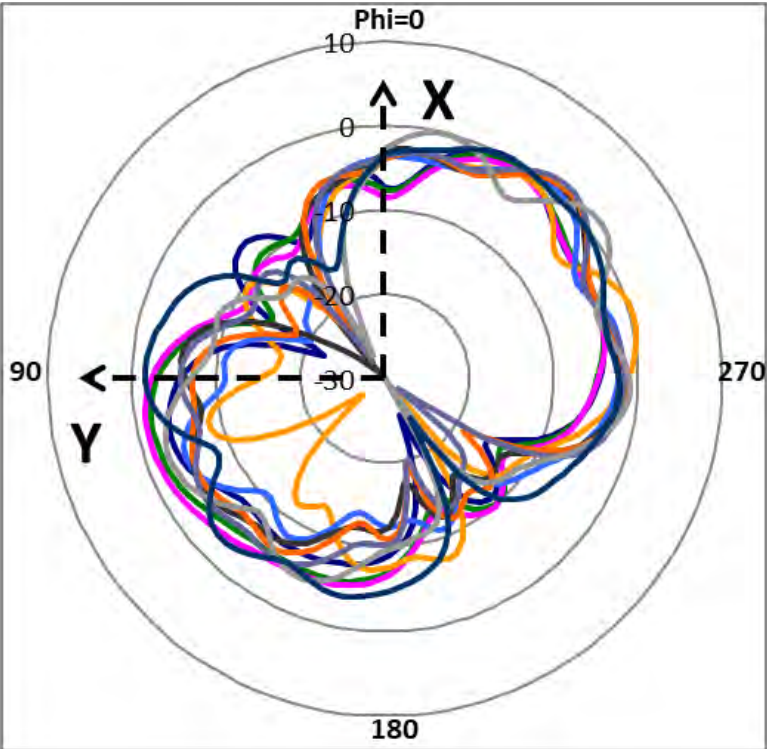


XY_Pol._Theta_Ant.9



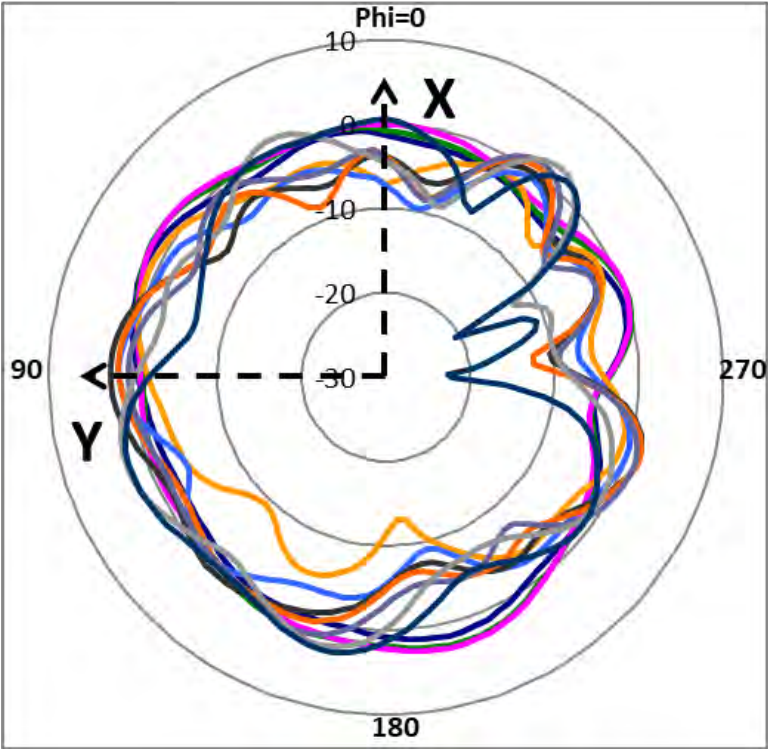
- 2401MHz_Gain_-0.54
- 2452MHz_Gain_0.13
- 2484MHz_Gain_-0.11
- 5150MHz_Gain_0.52
- 5550MHz_Gain_-0.17
- 5850MHz_Gain_0.38
- 5895MHz_Gain_0.14
- 5925MHz_Gain_0.40
- 6555MHz_Gain_1.29
- 7125MHz_Gain_1.54

XY_Pol._Theta_Ant.10

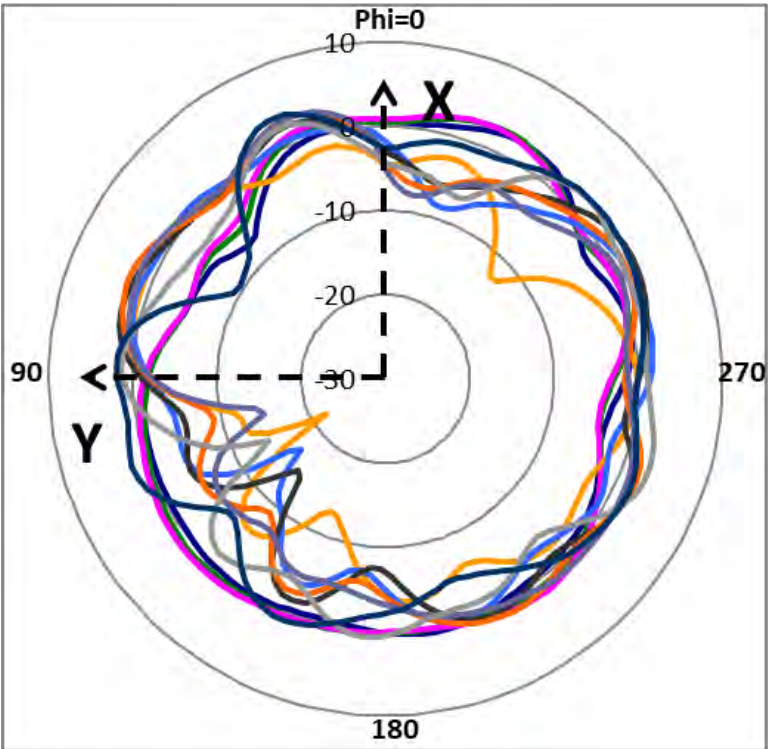


- 2401MHz_Gain_0.06
- 2452MHz_Gain_-0.33
- 2484MHz_Gain_-0.83
- 5150MHz_Gain_0.42
- 5550MHz_Gain_0.36
- 5850MHz_Gain_0.89
- 5895MHz_Gain_1.12
- 5925MHz_Gain_1.46
- 6555MHz_Gain_1.61
- 7125MHz_Gain_0.03

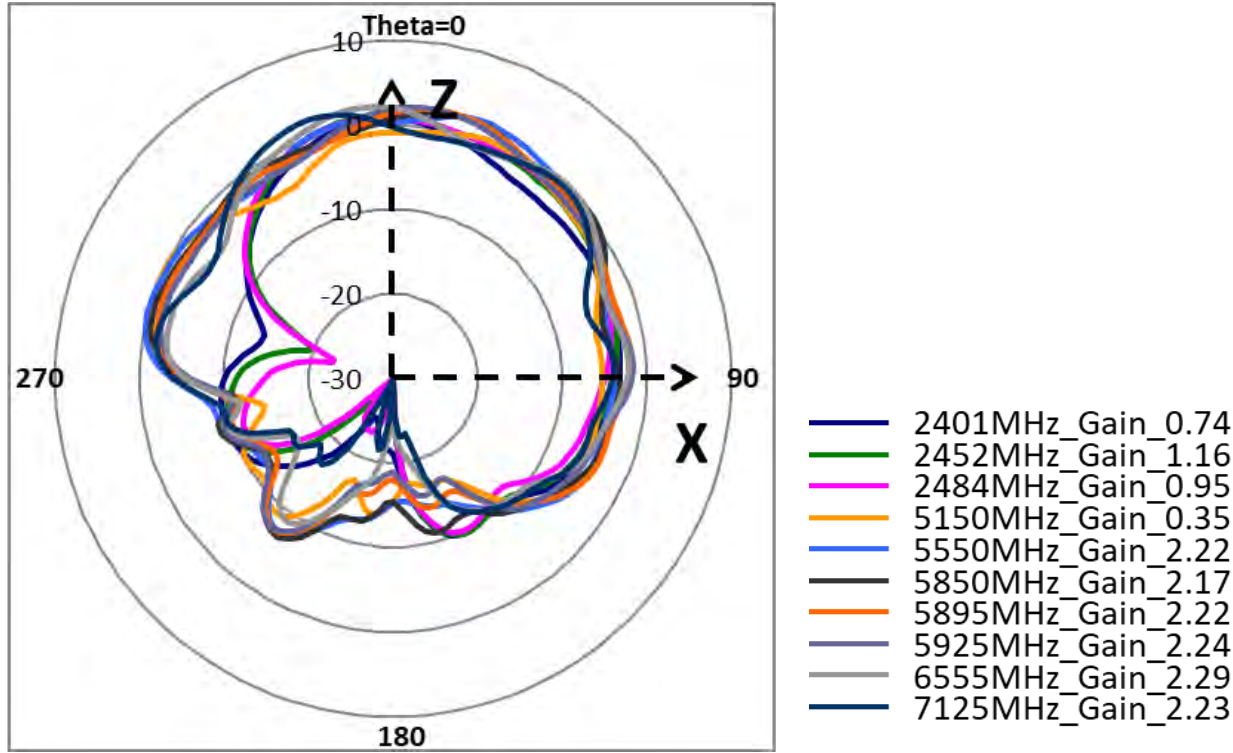
XY_Pol._Theta_Ant.11



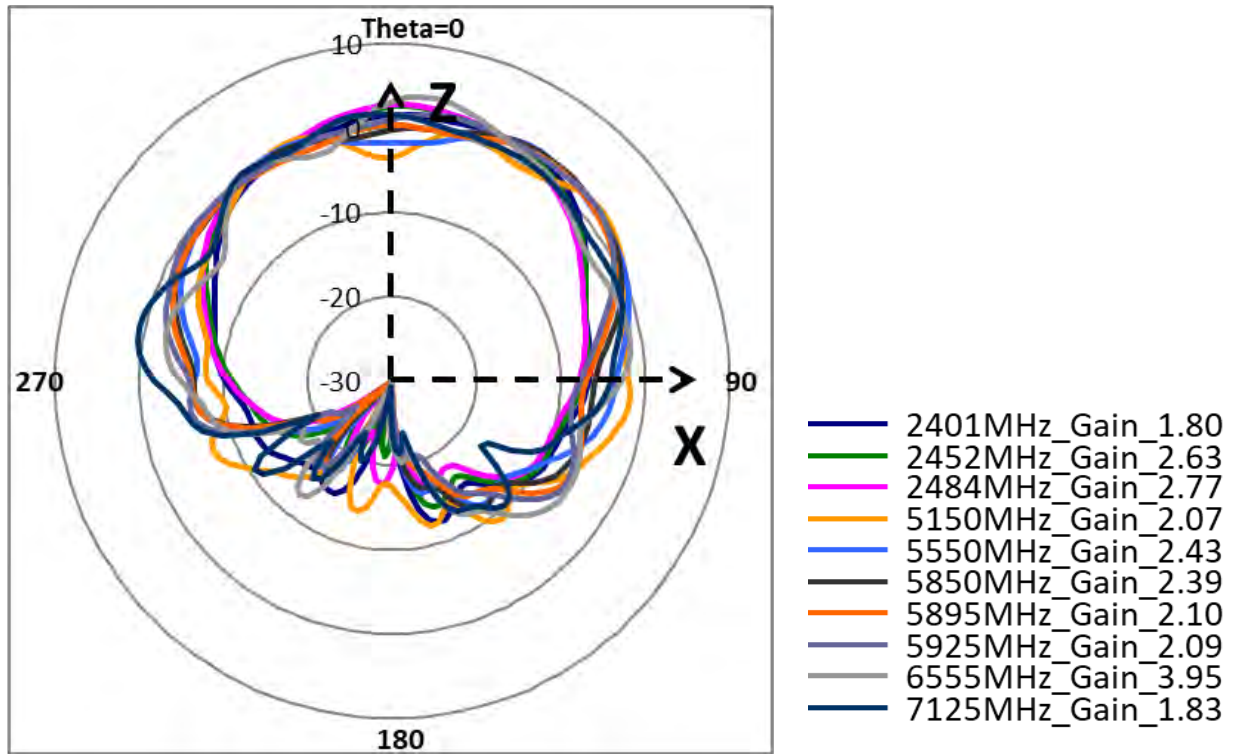
XY_Pol._Theta_Ant.12



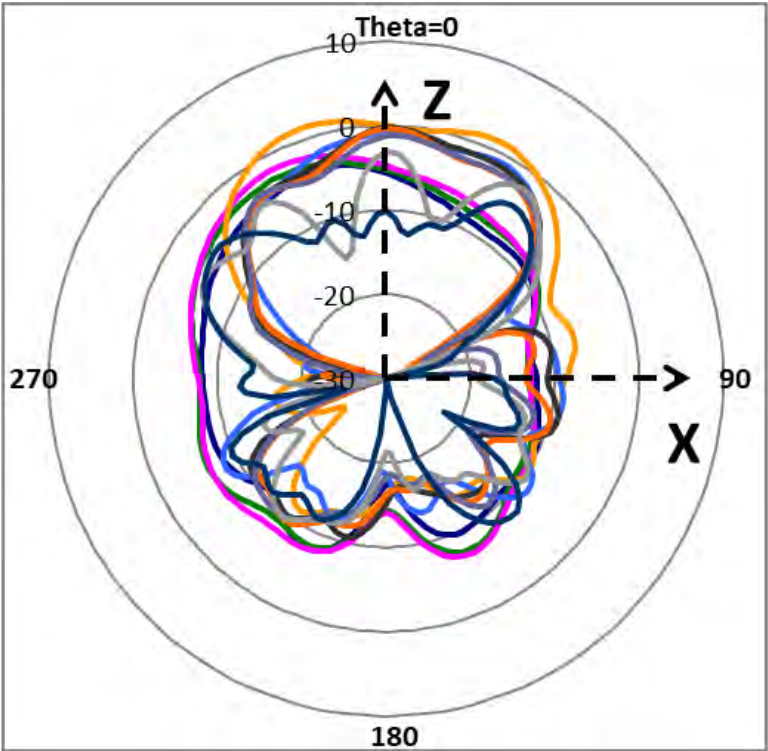
XZ_Pol._Phi_Ant.9



XZ_Pol._Phi_Ant.10

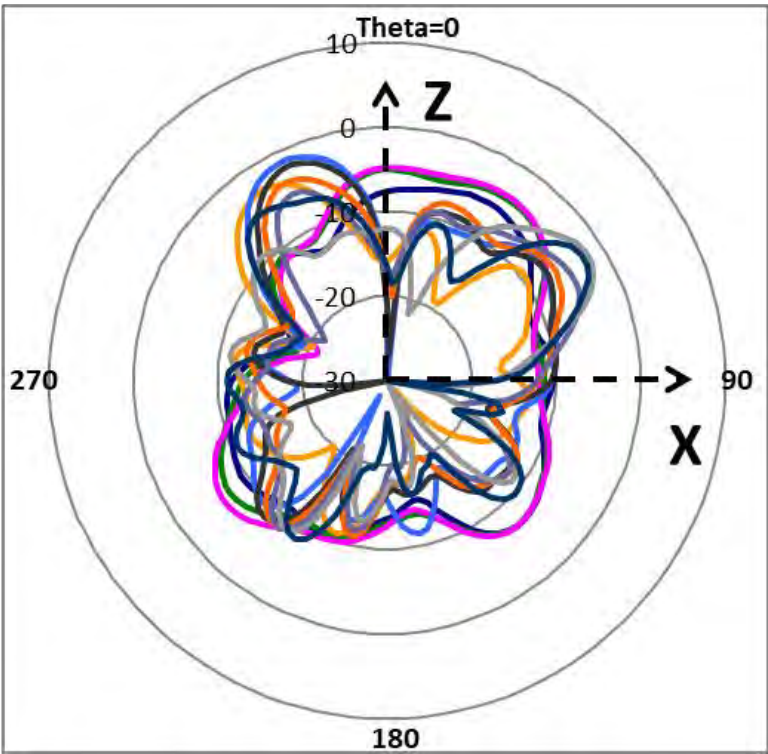


XZ_Pol._Phi_Ant.11



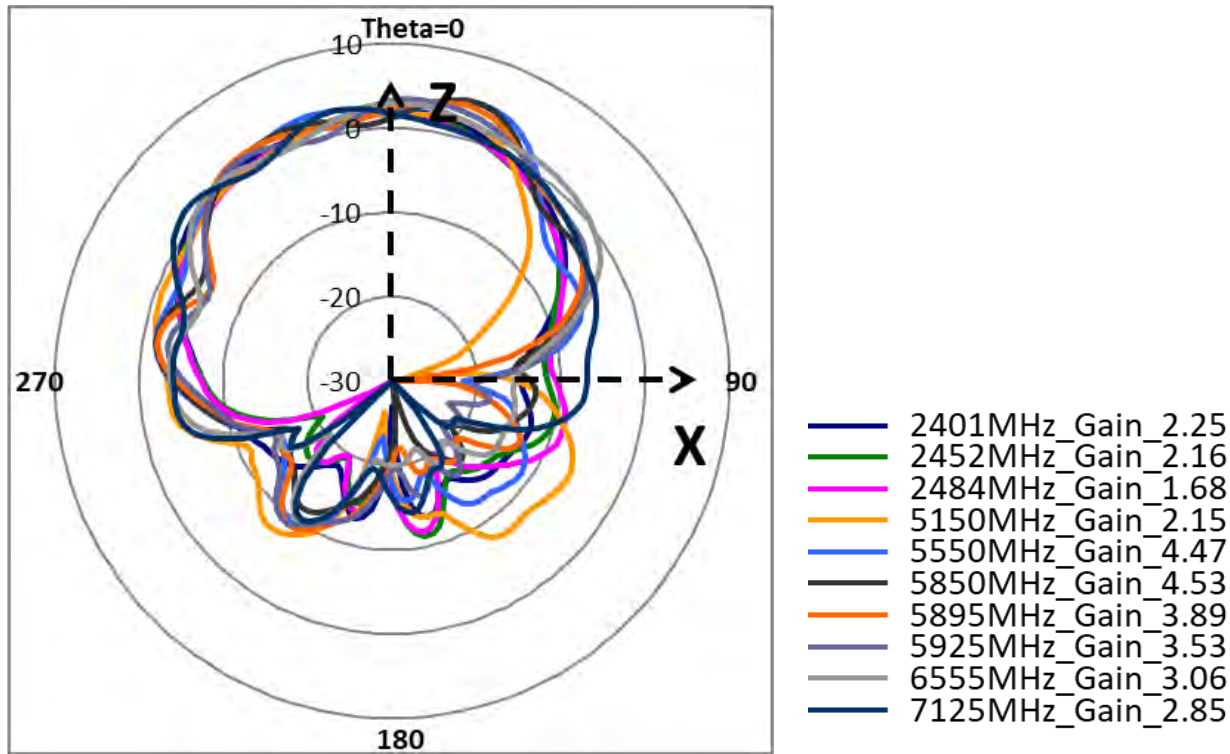
- 2401MHz_Gain_-3.94
- 2452MHz_Gain_-2.85
- 2484MHz_Gain_-1.80
- 5150MHz_Gain_1.36
- 5550MHz_Gain_-0.92
- 5850MHz_Gain_-0.18
- 5895MHz_Gain_-0.29
- 5925MHz_Gain_-1.13
- 6555MHz_Gain_-2.15
- 7125MHz_Gain_-4.56

XZ_Pol._Phi_Ant.12

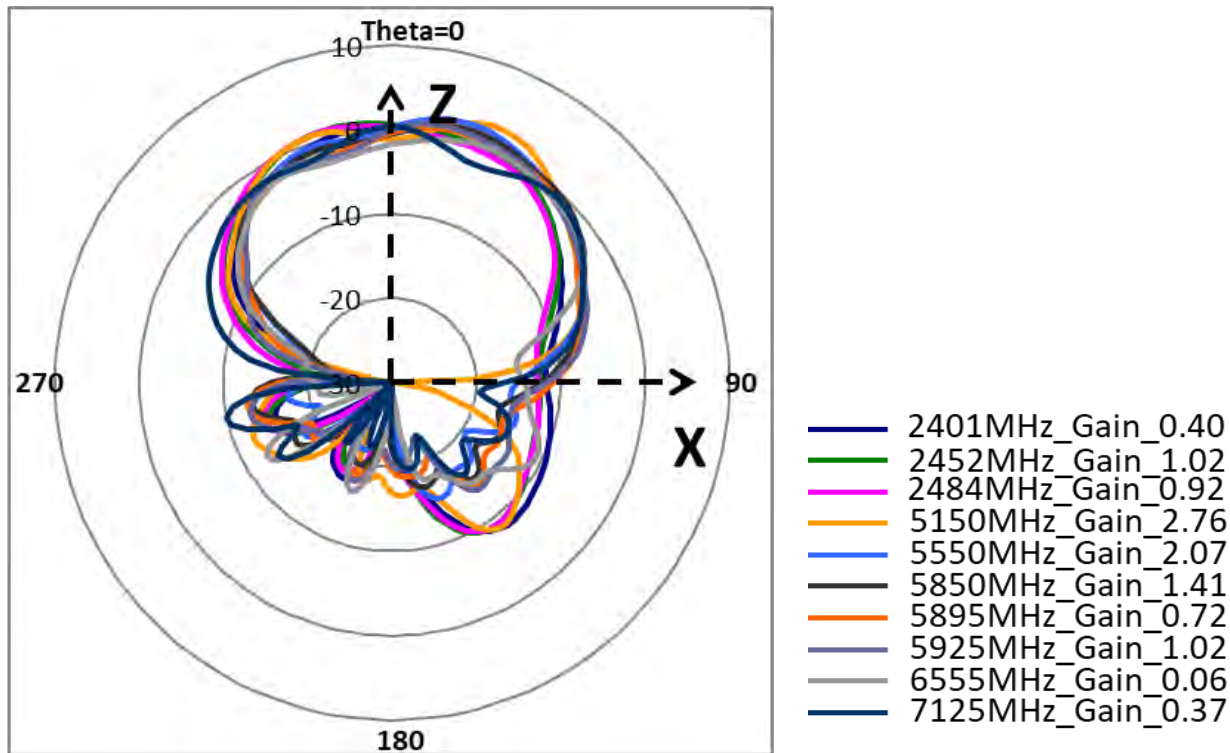


- 2401MHz_Gain_-5.81
- 2452MHz_Gain_-4.24
- 2484MHz_Gain_-3.81
- 5150MHz_Gain_-3.00
- 5550MHz_Gain_-1.28
- 5850MHz_Gain_-2.10
- 5895MHz_Gain_-3.74
- 5925MHz_Gain_-4.79
- 6555MHz_Gain_-1.96
- 7125MHz_Gain_-2.56

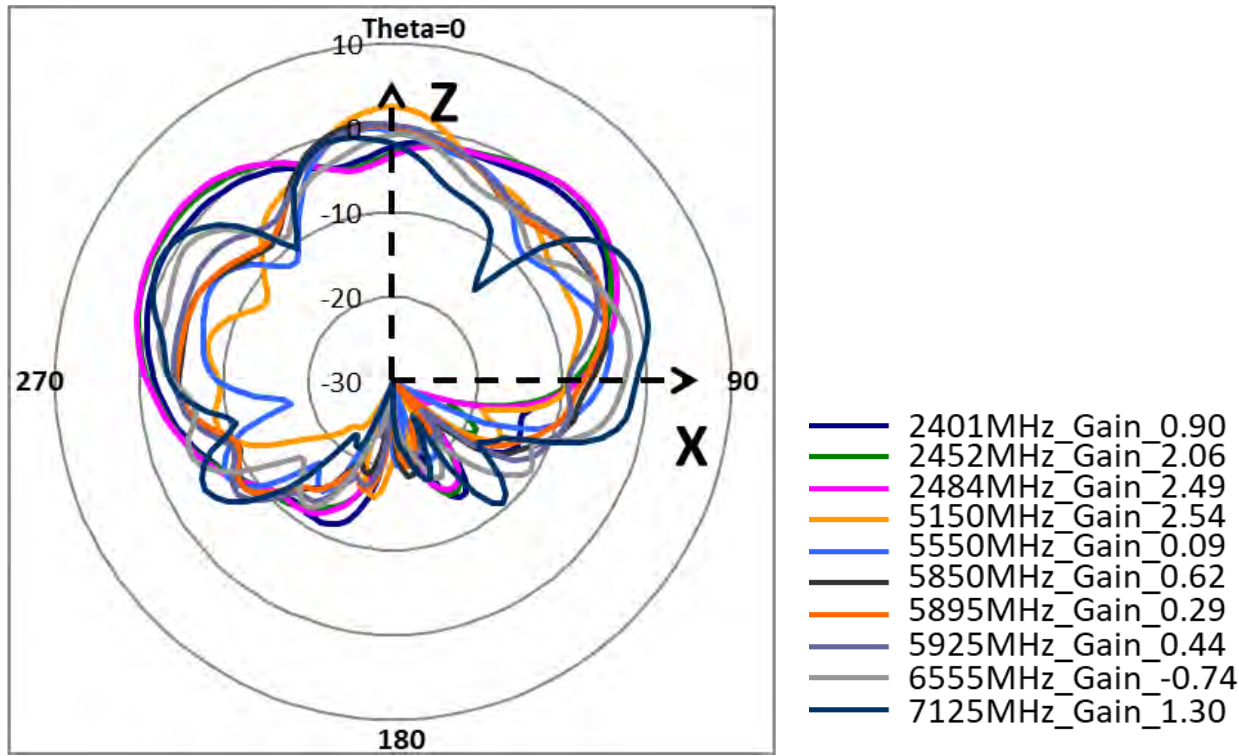
XZ_Pol._Theta_Ant.9



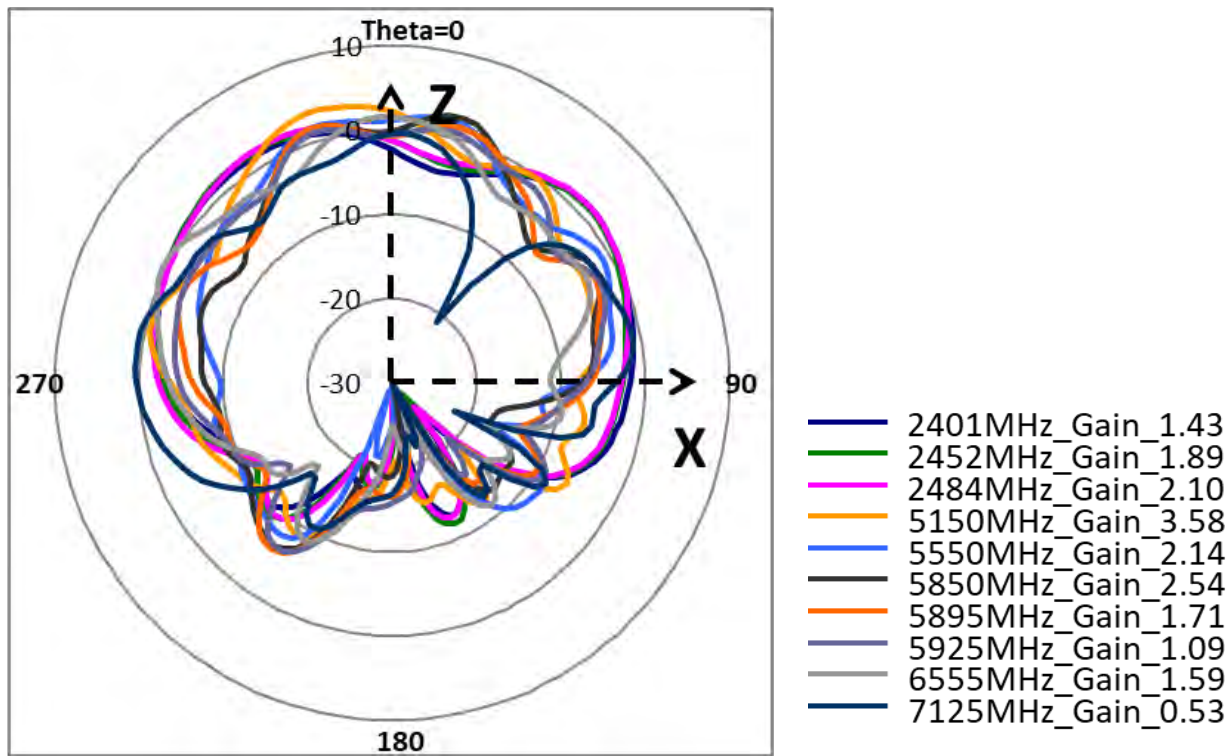
XZ_Pol._Theta_Ant.10



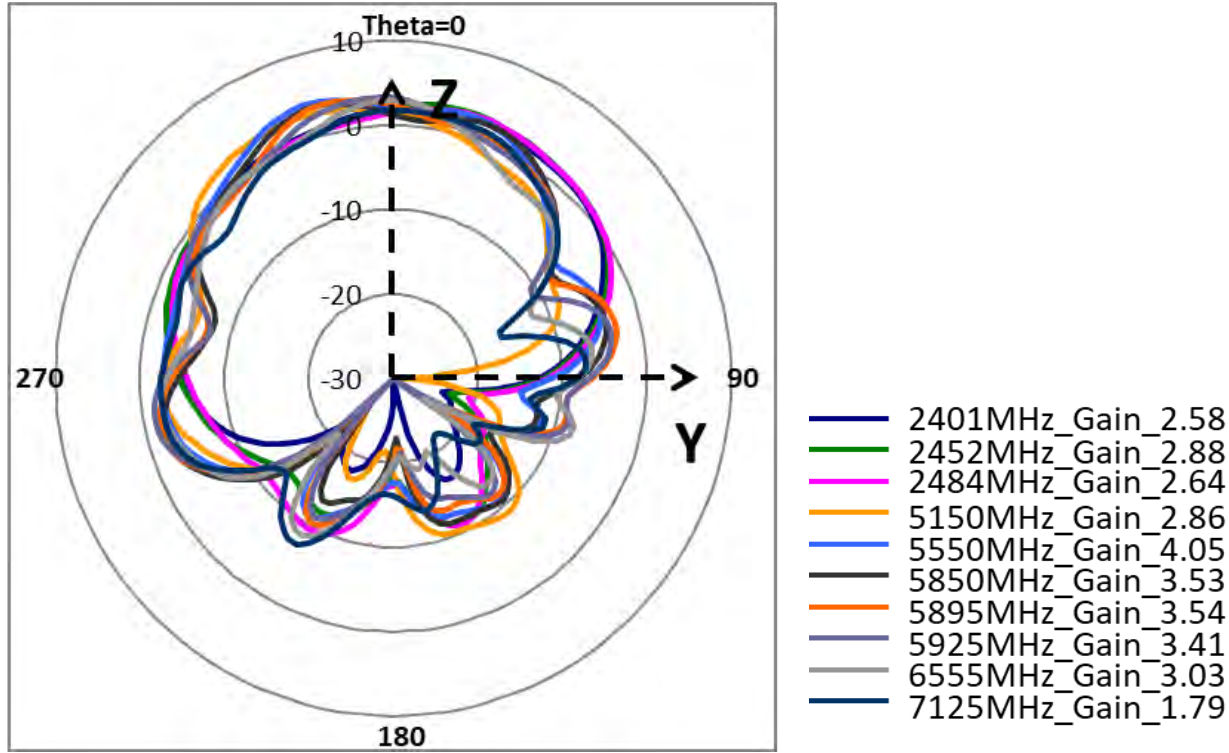
XZ_Pol._Theta_Ant.11



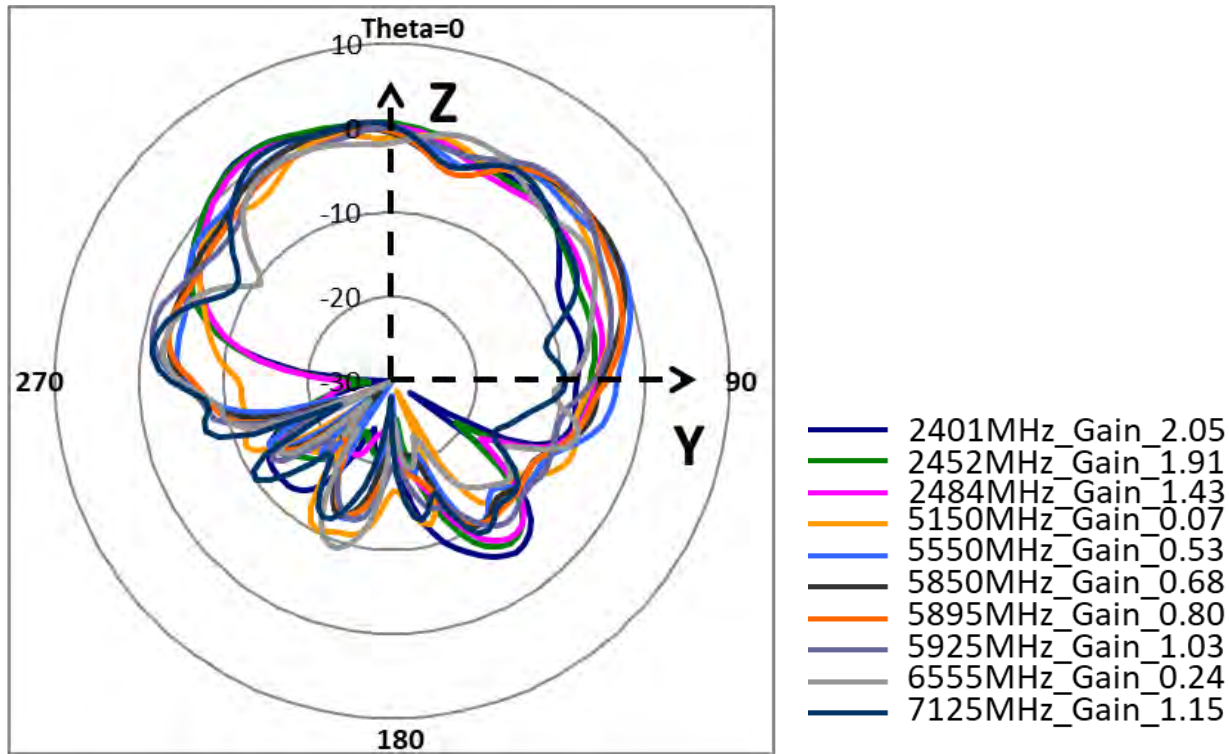
XZ_Pol._Theta_Ant.12



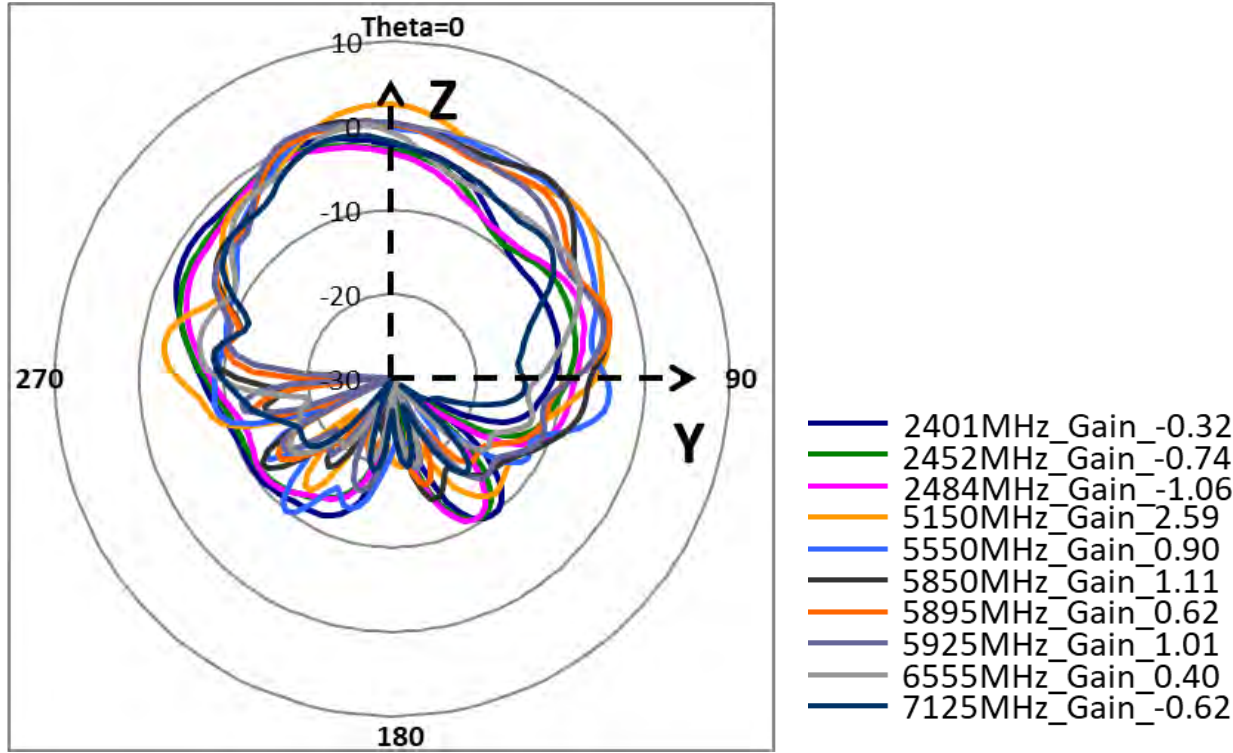
YZ_Pol._Phi_Ant.9



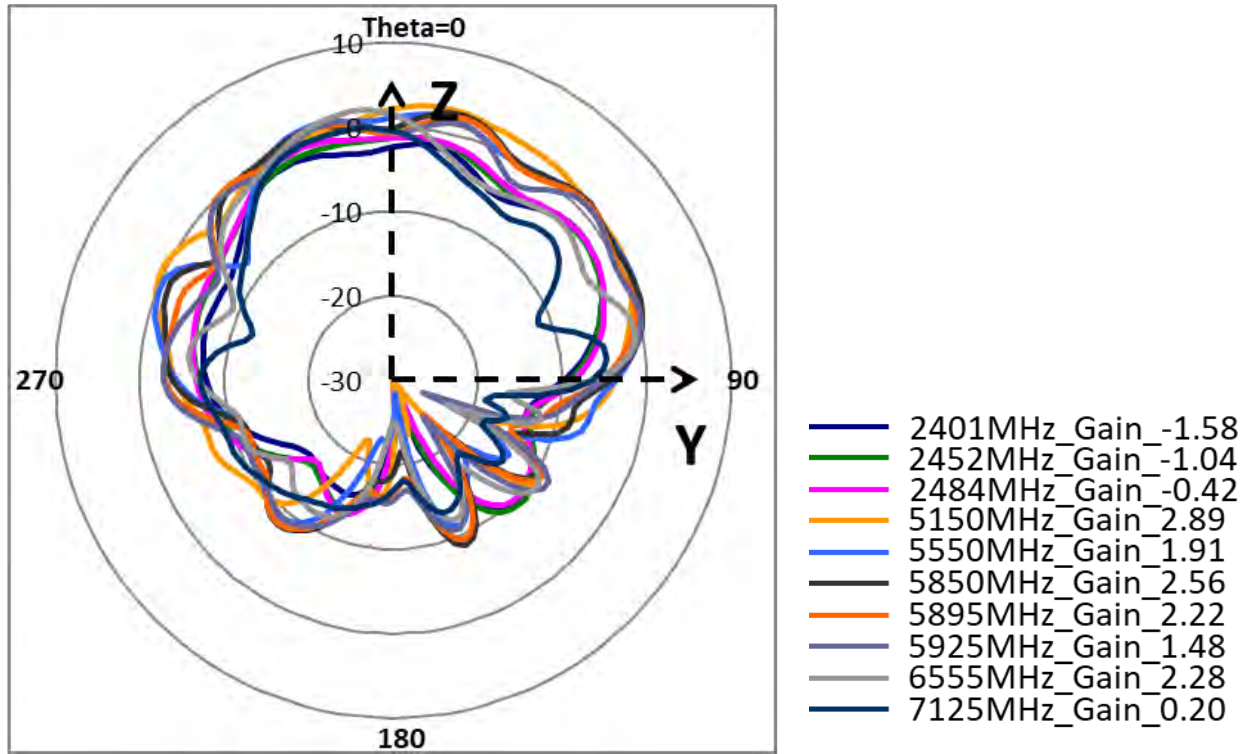
YZ_Pol._Phi_Ant.10



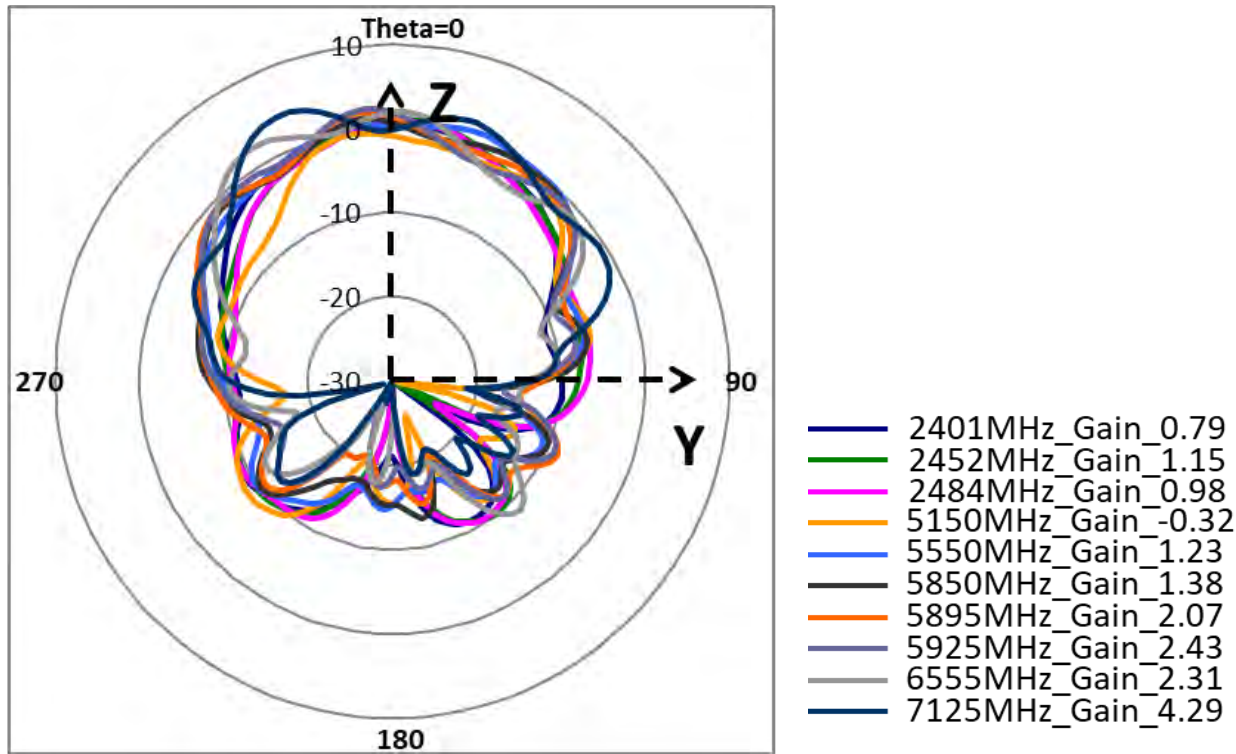
YZ_Pol._Phi_Ant.11



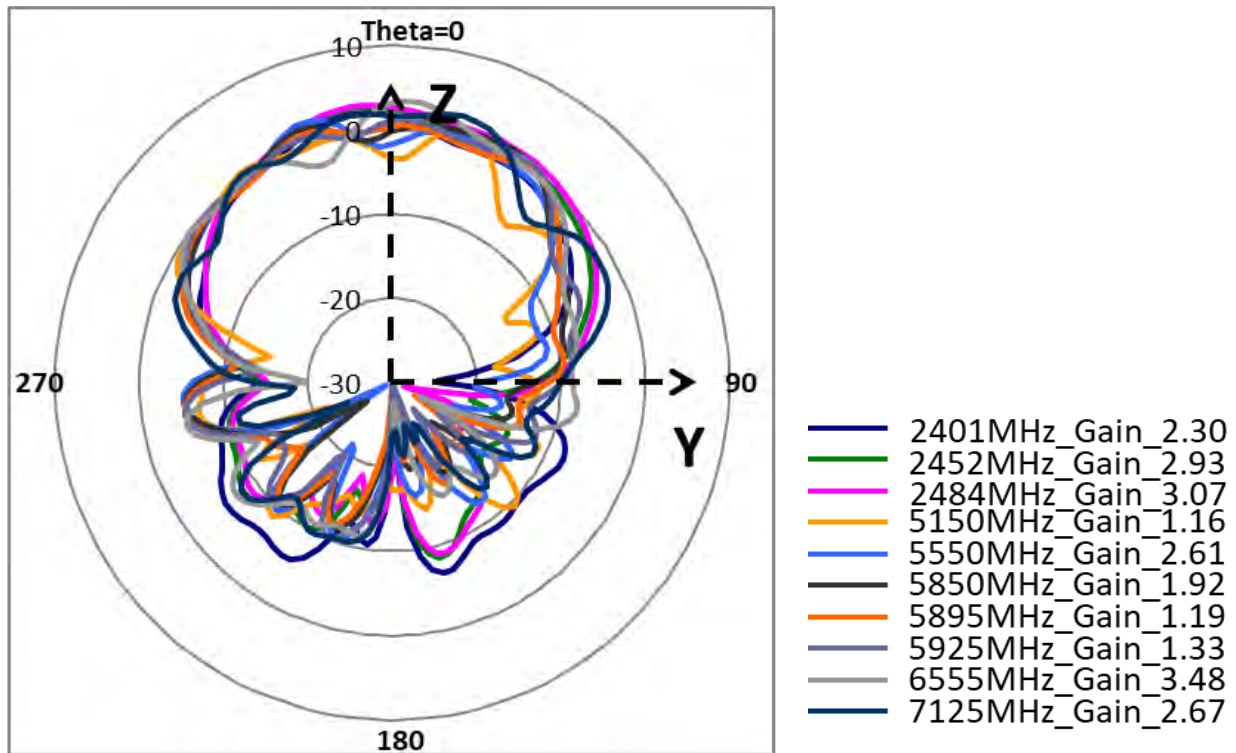
YZ_Pol._Phi_Ant.12



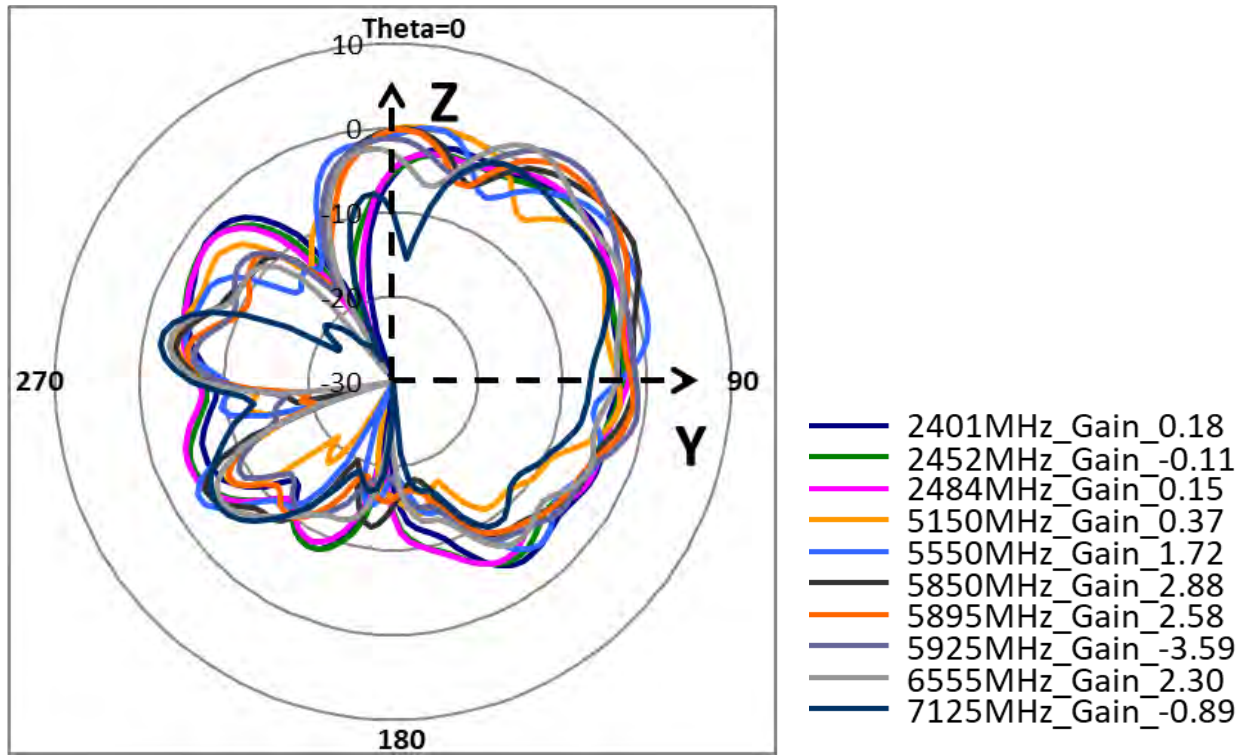
YZ_Pol._Theta_Ant.9



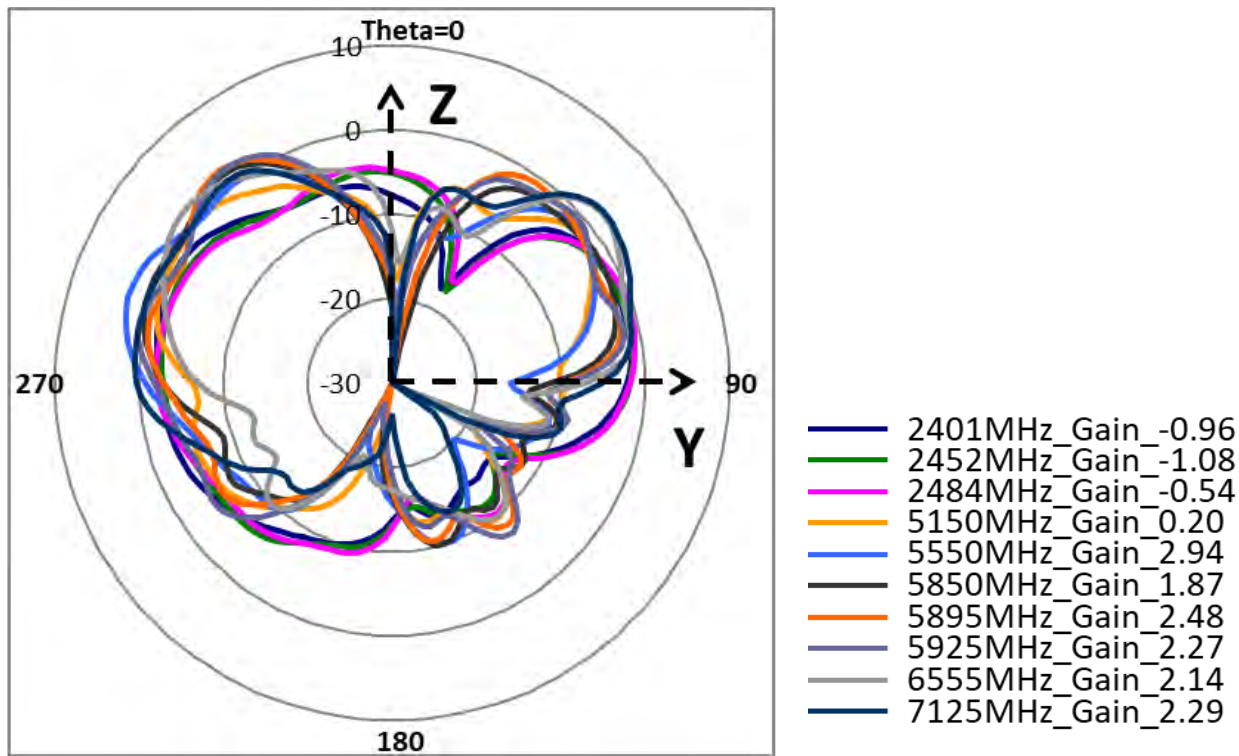
YZ_Pol._Theta_Ant.10



YZ_Pol._Theta_Ant.11

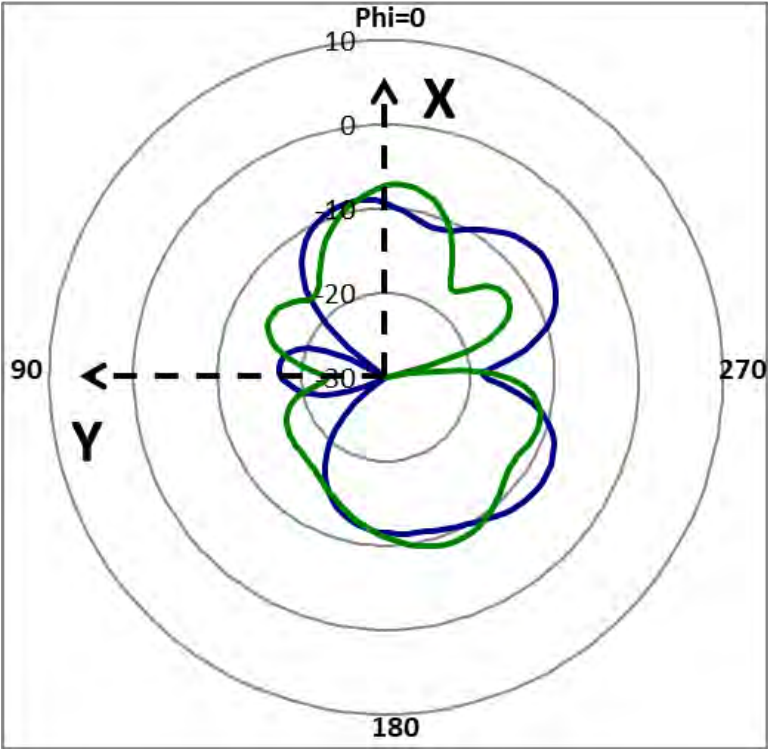


YZ_Pol._Theta_Ant.12



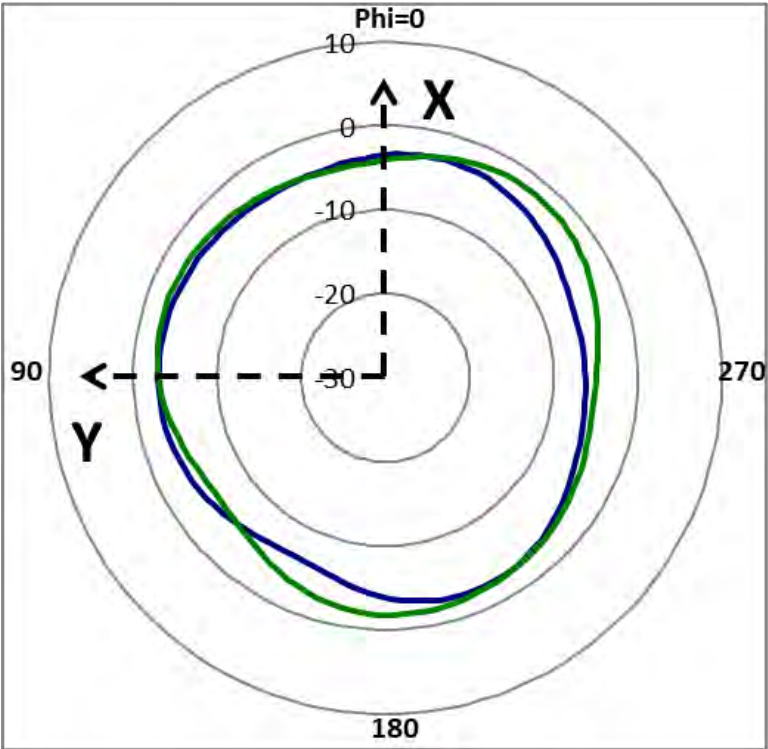
Ant. Position : GPS Ant.13

XY_Pol._Phi_Ant.13



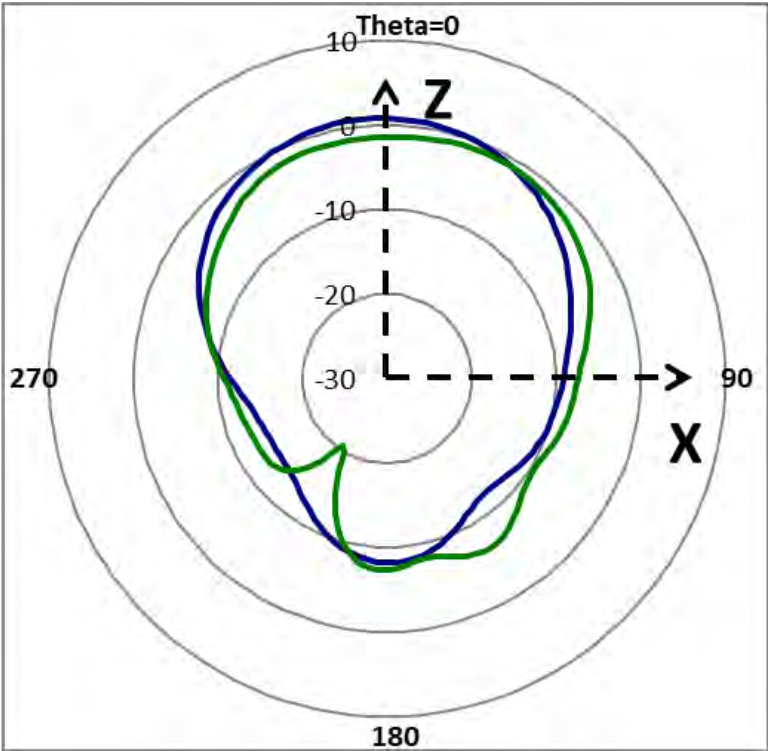
1176MHz_Gain_-6.53
1575MHz_Gain_-7.09

XY_Pol._Theta_Ant.13



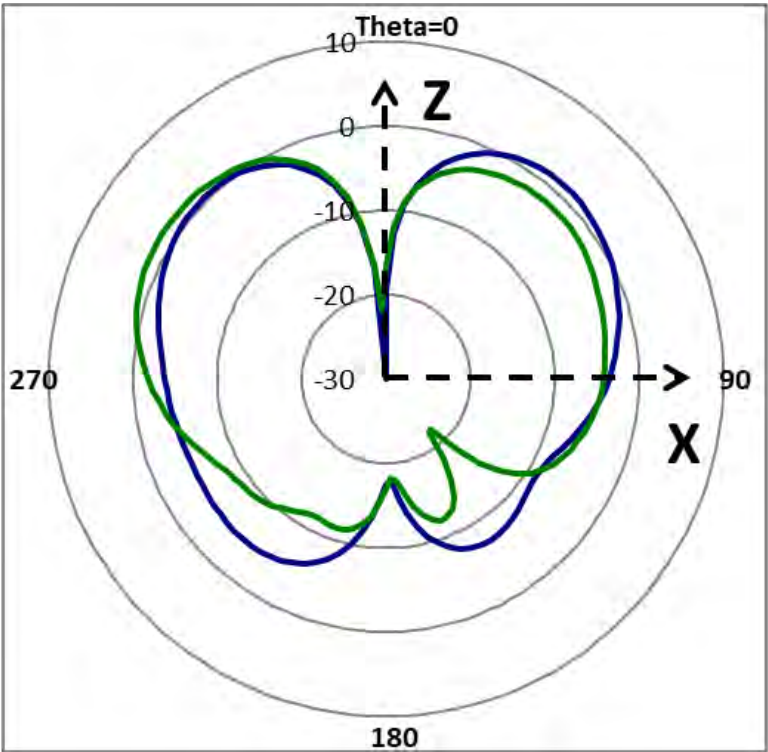
1176MHz_Gain_-2.53
1575MHz_Gain_-1.76

XZ_Pol._Phi_Ant.13



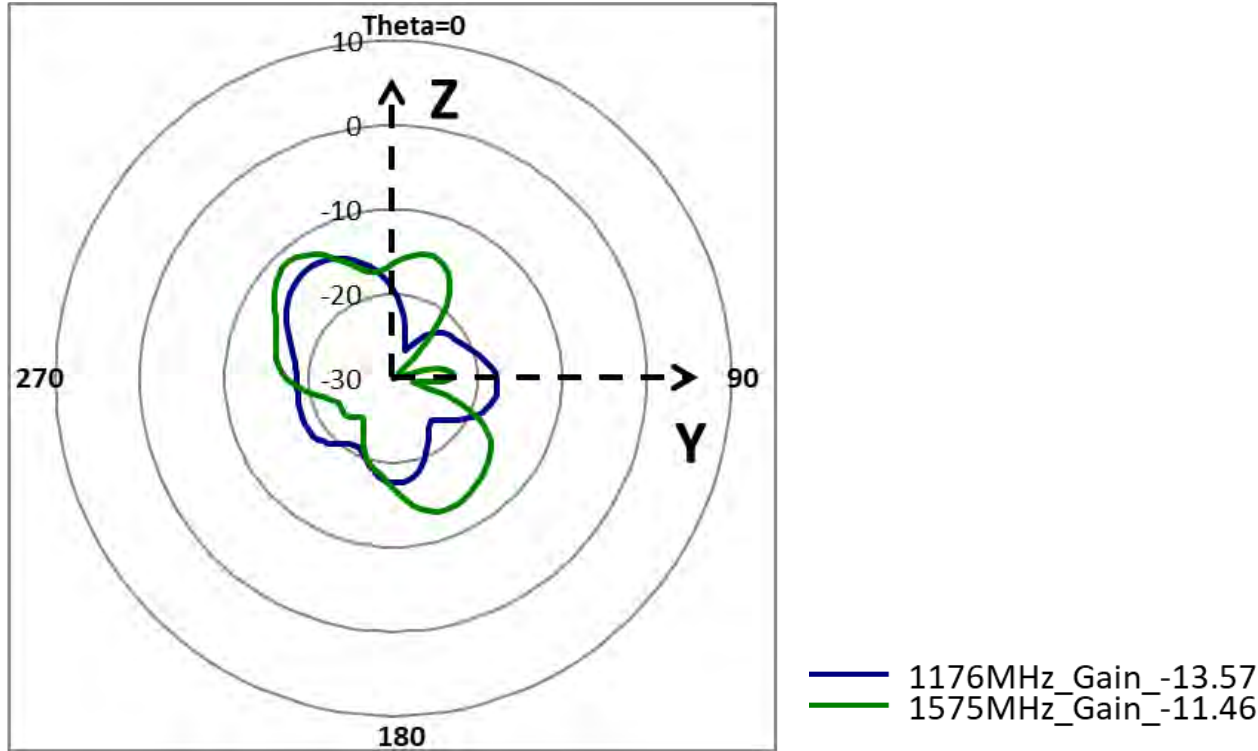
1176MHz_Gain_0.83
1575MHz_Gain_-0.88

XZ_Pol._Theta_Ant.13

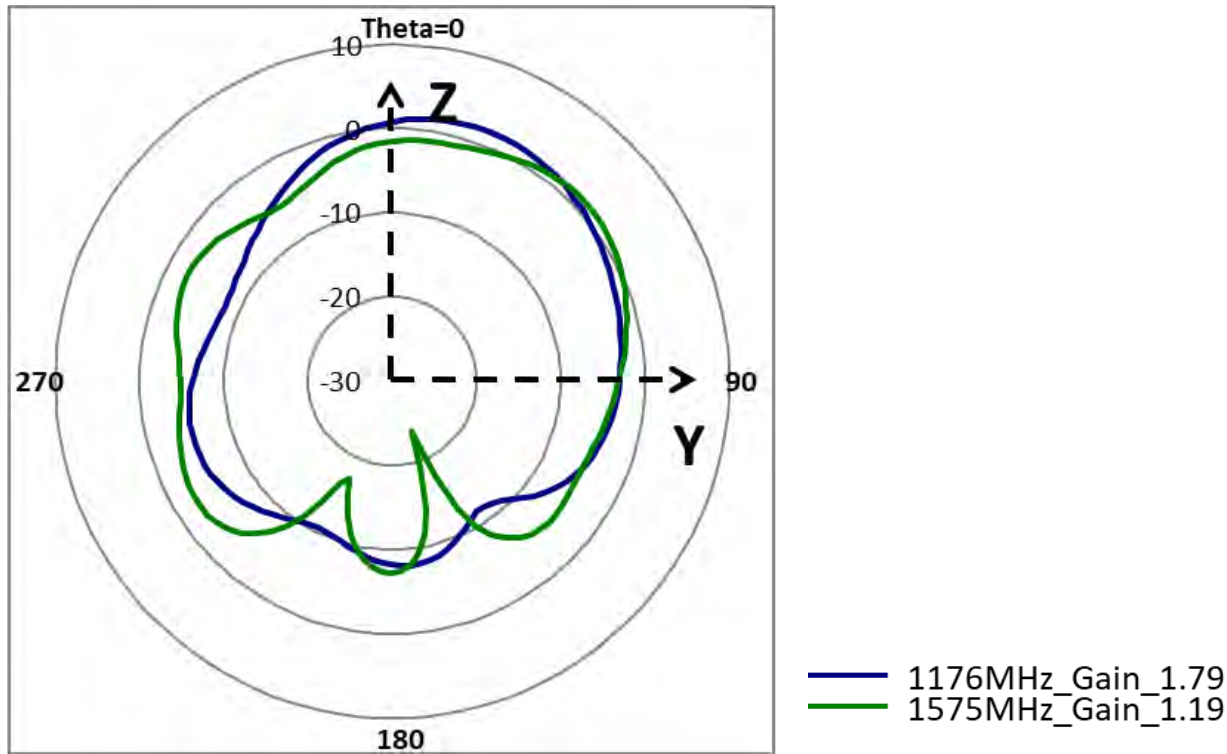


1176MHz_Gain_1.20
1575MHz_Gain_1.66

YZ_Pol._Phi_Ant.13

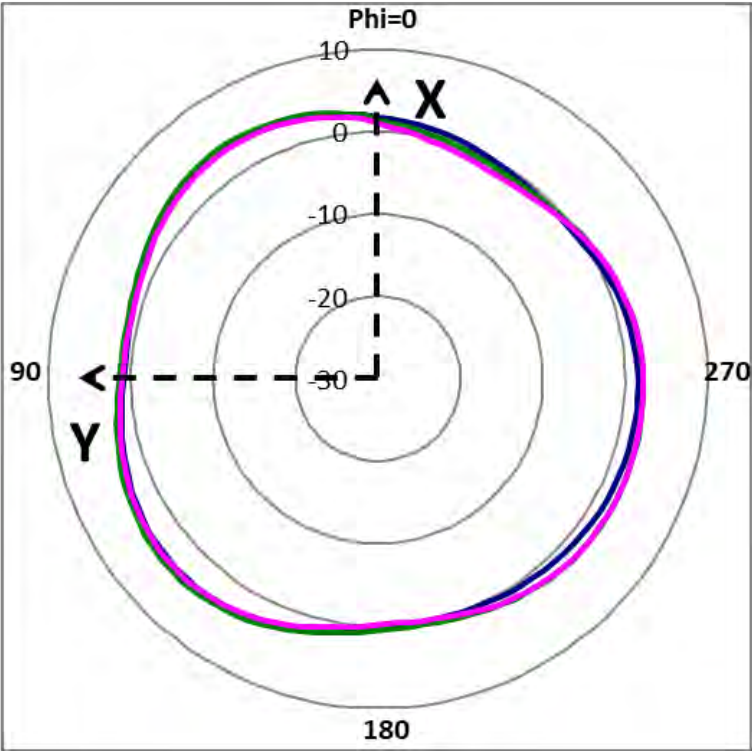


YZ_Pol._Theta_Ant.13

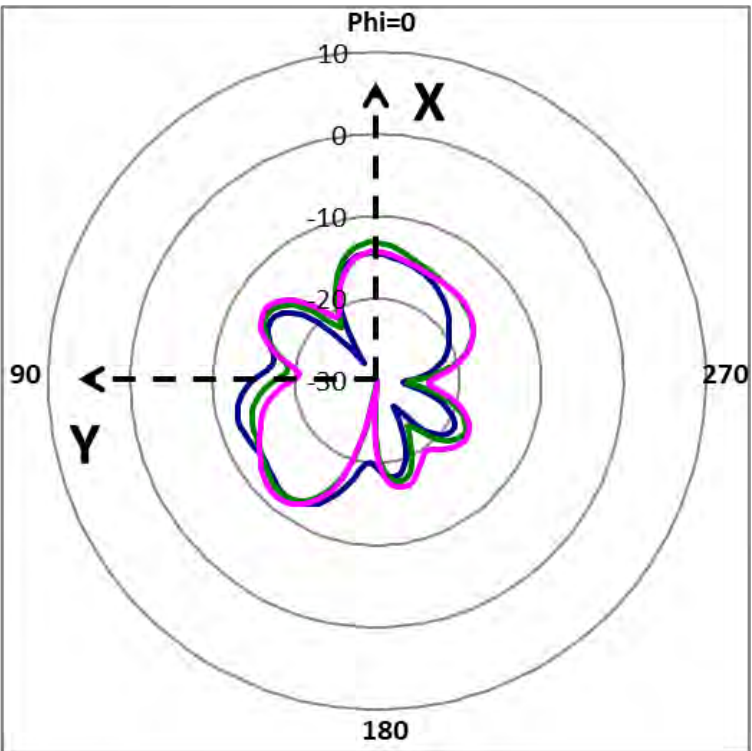


Ant. Position : BLE Ant.14

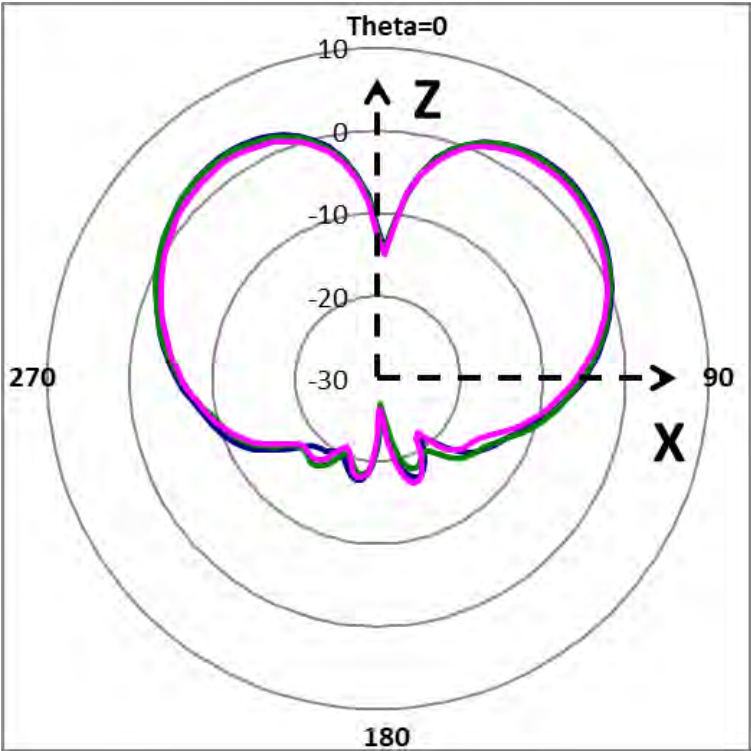
XY_Pol._Phi_Ant.14



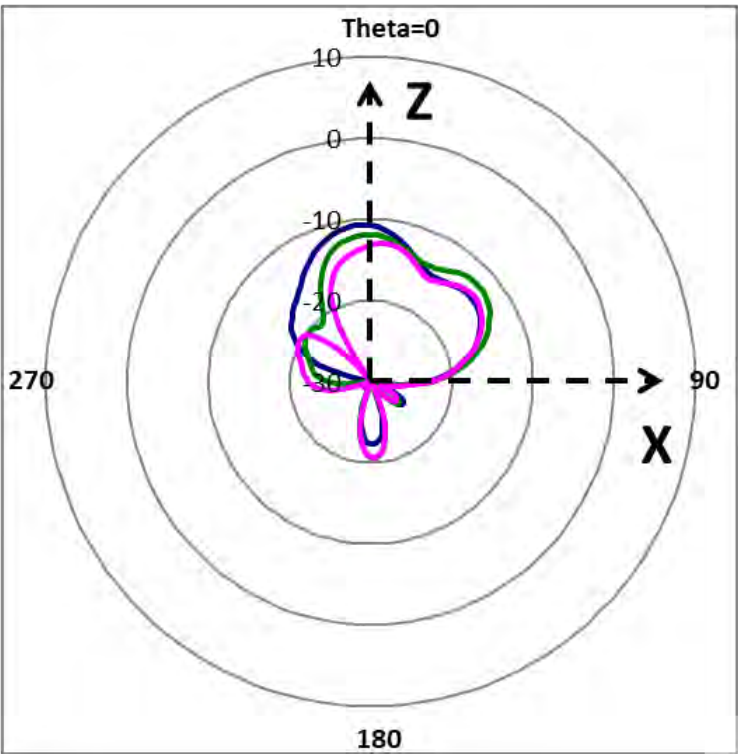
XY_Pol._Theta_Ant.14



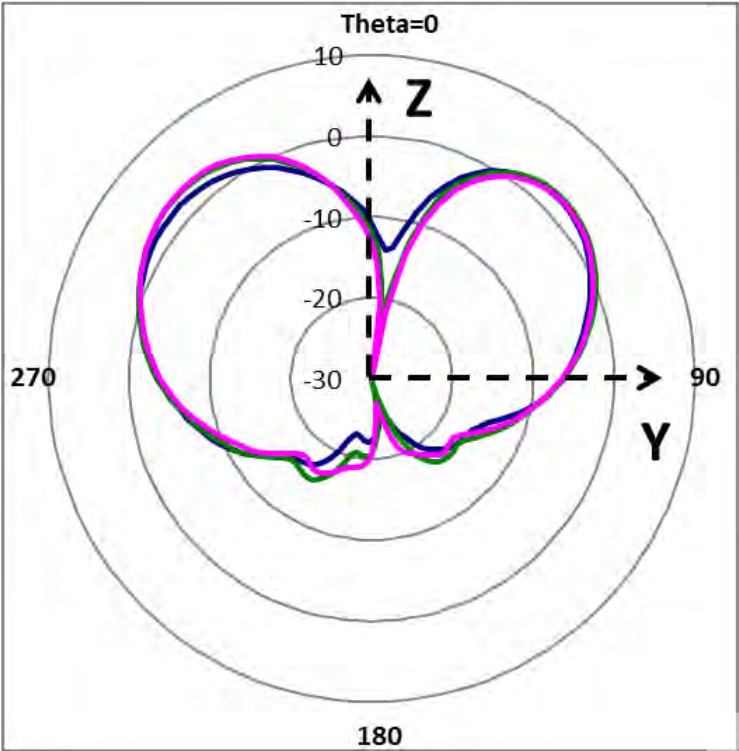
XZ_Pol._Phi_Ant.14



XZ_Pol._Theta_Ant.14

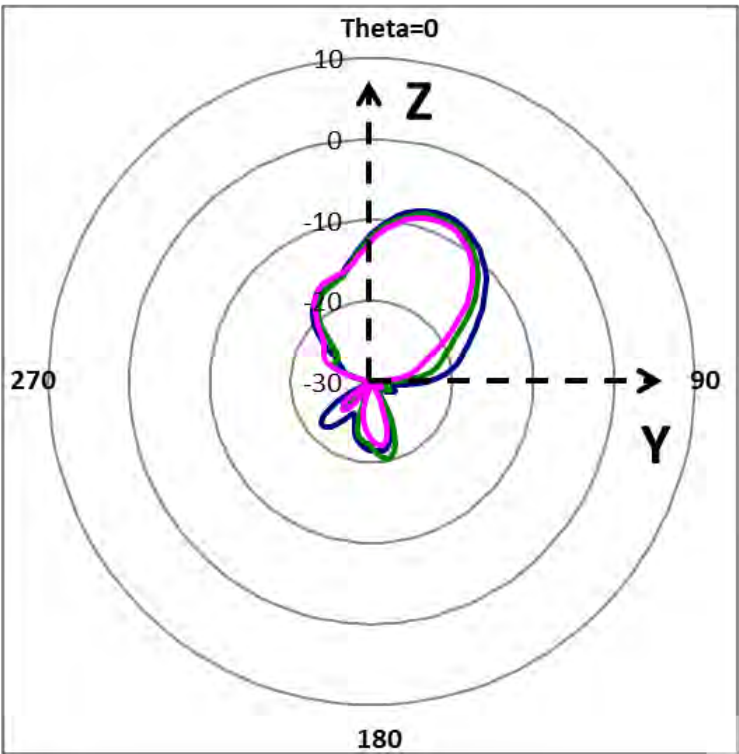


YZ_Pol._Phi_Ant.14



- 2401MHz_Gain_2.11
- 2452MHz_Gain_2.99
- 2484MHz_Gain_3.18

YZ_Pol._Theta_Ant.14



- 2401MHz_Gain_-7.53
- 2452MHz_Gain_-8.00
- 2484MHz_Gain_-8.44

Appendix_Radiated Total Gain Result

Ant. Position : 5G/6G Ant.1

5150 (Theta:Azim)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180			
Phi (Azim)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)	Response (dBi)				
0	0.27	-1.03	-3.22	-5.46	-6.88	-5.38	-3.19	-3.52	-3.73	-4.08	-5.27	-7.37	-8.83	-12.25	-14.45	-14.58	-12.57	-10.42	-8.48	-7.07	-6.72	-7.43	-9.32	-10.82	-12.21	-13.38	-12.71	-11.46	-10.83	-10.02	-8.57	-7.19	-6.52	-6.74	-7.38	-7.38				
5	0.27	-1.03	-3.18	-5.27	-6.48	-4.10	-3.08	-2.73	-2.89	-3.28	-4.07	-5.93	-8.38	-10.07	-10.74	-10.98	-10.93	-10.82	-9.98	-8.18	-6.88	-7.18	-9.56	-11.01	-13.01	-12.11	-12.62	-12.87	-11.47	-10.57	-9.83	-9.32	-7.12	-6.57	-6.83	-7.48	-7.38			
10	0.27	-1.03	-3.11	-5.04	-5.13	-3.76	-2.72	-2.48	-2.48	-2.82	-3.82	-5.66	-8.31	-9.96	-10.13	-10.58	-10.74	-9.48	-8.87	-6.88	-5.87	-7.78	-10.93	-14.62	-12.41	-10.82	-11.56	-12.18	-11.42	-10.34	-9.20	-7.97	-6.98	-6.58	-6.93	-7.53	-7.38			
15	0.27	-1.01	-3.01	-4.78	-4.83	-3.56	-2.57	-2.26	-2.33	-2.61	-3.46	-5.22	-7.32	-9.38	-9.56	-10.01	-9.86	-7.78	-6.48	-5.48	-5.14	-6.16	-10.80	-13.82	-11.13	-10.27	-10.97	-11.72	-11.32	-10.28	-9.08	-7.84	-6.82	-6.48	-7.03	-7.61	-7.38			
20	0.27	-0.98	-2.88	-4.54	-4.58	-3.45	-2.55	-2.30	-2.38	-2.54	-3.04	-4.27	-5.85	-6.71	-6.88	-7.20	-6.00	-4.00	-3.23	-2.11	-1.28	-0.32	-10.07	-11.48	-11.19	-10.71	-10.74	-10.98	-11.08	-10.58	-9.78	-7.47	-6.88	-6.81	-7.14	-7.68	-7.38			
25	0.27	-0.94	-2.75	-4.36	-4.42	-3.43	-2.63	-2.44	-2.53	-2.53	-3.22	-4.20	-5.88	-6.87	-7.08	-7.56	-6.42	-4.07	-3.53	-2.88	-2.68	-1.68	-0.97	-10.98	-12.83	-11.88	-10.19	-9.87	-10.58	-10.58	-9.98	-7.33	-6.88	-6.85	-7.27	-7.38				
30	0.27	-0.90	-2.61	-4.08	-4.21	-3.50	-2.88	-2.73	-2.58	-2.25	-2.28	-2.82	-3.53	-4.58	-5.07	-5.38	-5.88	-4.70	-3.86	-3.70	-3.36	-2.36	-1.65	-10.05	-14.88	-12.85	-9.37	-8.84	-10.07	-10.97	-10.20	-7.38	-6.81	-6.72	-7.39	-7.84	-7.38			
35	0.27	-0.86	-2.46	-3.88	-4.25	-3.82	-3.00	-2.91	-2.88	-2.78	-2.18	-2.68	-3.41	-4.35	-4.98	-5.23	-5.54	-4.34	-3.45	-3.25	-2.56	-1.78	-1.04	-10.66	-13.82	-13.08	-8.87	-8.07	-9.27	-11.58	-10.82	-7.64	-6.83	-7.03	-7.82	-7.38				
40	0.27	-0.79	-2.32	-3.72	-4.23	-3.88	-3.32	-3.25	-3.38	-3.23	-2.36	-3.38	-4.83	-4.85	-4.58	-4.08	-3.36	-1.62	-1.15	-1.04	-0.93	-0.18	-0.84	-11.62	-10.98	-14.53	-9.27	-8.26	-10.11	-12.18	-10.88	-7.73	-6.81	-6.86	-7.67	-7.98	-7.38			
45	0.27	-0.73	-2.18	-3.57	-4.22	-3.88	-3.67	-3.72	-3.88	-3.98	-2.78	-3.48	-5.88	-6.13	-4.98	-4.41	-3.87	-2.01	-1.33	-1.05	-0.88	-0.24	-0.84	-10.51	-12.81	-13.52	-15.46	-10.57	-9.48	-11.19	-13.02	-10.38	-7.88	-6.86	-7.12	-7.82	-8.04	-7.38		
50	0.27	-0.67	-2.05	-3.44	-4.28	-4.17	-4.08	-4.31	-4.77	-4.74	-3.38	-3.85	-6.88	-7.07	-5.71	-5.07	-4.17	-2.68	-1.88	-1.48	-1.27	-1.14	-1.08	-10.84	-12.07	-13.71	-12.18	-11.58	-11.88	-13.88	-10.48	-7.94	-7.85	-7.28	-7.86	-8.08	-7.38			
55	0.27	-0.61	-1.93	-3.31	-4.15	-4.28	-4.48	-4.82	-4.88	-5.08	-4.08	-4.48	-7.28	-7.35	-6.35	-5.28	-4.18	-2.95	-1.84	-1.48	-1.24	-1.04	-0.97	-9.25	-11.78	-14.88	-11.36	-10.87	-11.46	-15.58	-14.14	-10.21	-7.84	-7.17	-7.43	-8.08	-8.13	-7.38		
60	0.27	-0.55	-1.80	-3.17	-4.08	-4.28	-4.58	-5.38	-5.25	-5.82	-4.68	-5.07	-7.88	-7.81	-6.48	-5.12	-3.75	-2.75	-1.75	-1.48	-1.28	-1.08	-0.98	-7.58	-10.68	-13.58	-14.88	-13.82	-13.78	-17.82	-13.78	-10.78	-7.87	-7.10	-7.55	-8.18	-8.15	-7.38		
65	0.27	-0.48	-1.68	-3.03	-3.91	-4.14	-4.58	-5.48	-5.47	-6.22	-4.88	-5.11	-7.58	-7.51	-6.58	-5.22	-3.78	-2.88	-1.88	-1.62	-1.42	-1.22	-1.02	-7.28	-10.48	-13.01	-14.88	-13.82	-13.88	-17.88	-14.11	-11.73	-7.86	-7.64	-8.27	-8.14	-7.38			
70	0.27	-0.41	-1.56	-2.88	-3.71	-3.88	-4.15	-5.08	-4.84	-5.54	-4.44	-4.38	-7.18	-7.18	-6.58	-5.78	-4.41	-3.41	-2.82	-1.88	-1.58	-1.41	-1.28	-1.08	-9.58	-12.41	-13.82	-14.82	-14.88	-17.74	-14.47	-12.84	-7.88	-7.88	-8.38	-8.15	-7.38			
75	0.27	-0.35	-1.44	-2.78	-3.58	-3.88	-4.08	-5.08	-4.88	-5.68	-4.48	-4.38	-6.88	-6.88	-6.58	-5.48	-4.18	-3.21	-2.15	-1.72	-1.48	-1.28	-1.18	-1.08	-9.18	-12.48	-13.87	-14.82	-14.88	-17.74	-14.48	-12.84	-7.98	-7.98	-8.38	-8.15	-7.38			
80	0.27	-0.28	-1.32	-2.55	-3.17	-3.88	-3.88	-4.88	-4.78	-5.18	-4.18	-4.08	-6.38	-6.38	-6.88	-5.88	-4.48	-3.18	-1.88	-1.48	-1.28	-1.08	-0.98	-8.88	-12.37	-13.88	-14.88	-14.88	-17.74	-14.48	-12.88	-8.17	-7.24	-6.81	-6.86	-8.23	-8.08	-7.38		
85	0.27	-0.22	-1.19	-2.28	-2.88	-3.88	-3.44	-4.53	-4.61	-4.98	-3.38	-3.27	-5.38	-5.38	-6.88	-5.18	-3.27	-1.87	-1.43	-1.28	-1.07	-0.88	-0.84	-8.64	-12.55	-13.28	-14.78	-14.72	-14.82	-13.11	-10.35	-7.91	-6.88	-6.58	-6.88	-8.85	-8.13	-8.03	-7.38	
90	0.27	-0.15	-1.06	-2.08	-2.53	-3.81	-3.84	-4.78	-4.68	-4.98	-3.48	-3.48	-5.18	-5.18	-6.02	-5.82	-4.58	-3.38	-2.32	-1.88	-1.62	-1.42	-1.28	-1.02	-8.28	-12.55	-13.28	-14.22	-14.12	-14.18	-10.87	-8.07	-6.81	-6.28	-6.48	-7.84	-7.53	-8.00	-7.38	
95	0.27	-0.09	-0.92	-1.81	-2.18	-3.14	-3.54	-4.52	-4.35	-4.41	0.15	0.37	0.17	0.12	0.43	0.34	0.74	-2.22	-2.84	-3.34	-3.18	-2.22	-0.85	-0.85	-7.24	-12.07	-13.84	-11.84	-11.82	-12.35	-9.58	-6.58	-6.85	-6.48	-7.11	-7.58	-7.84	-7.88	-7.38	
100	0.27	-0.03	-0.78	-1.56	-1.88	-1.87	-1.78	-2.83	-2.46	-2.10	0.47	0.48	0.88	0.88	0.58	0.58	-1.84	-2.44	-3.13	-3.38	-3.68	-3.88	-3.02	-0.85	-0.85	-6.98	-11.78	-14.07	-10.87	-10.98	-8.85	-6.36	-6.48	-6.57	-7.17	-7.38	-7.67	-7.88	-7.38	
105	0.27	0.03	-0.65	-1.28	-1.41	-1.17	-0.85	-0.57	-0.18	0.38	0.88	0.85	0.57	0.54	0.71	0.48	-1.78	-2.18	-3.02	-3.48	-3.82	-4.03	-3.98	-4.07	-3.82	-3.58	-7.88	-10.58	-9.58	-6.58	-6.18	-6.71	-6.71	-7.22	-7.25	-7.48	-7.78	-7.38		
110	0.27	0.09	-0.51	-1.01	-0.98	-0.72	-0.58	-0.37	-0.07	0.48	0.92	0.83	0.40	0.42	0.88	0.68	-0.52	-1.78	-2.12	-3.08	-3.58	-3.88	-3.78	-4.07	-4.05	-3.84	-4.28	-4.68	-4.68	-4.23	-4.14	-4.88	-4.87	-5.23	-5.17	-5.88	-6.81	-7.38		
115	0.27	0.15	-0.39	-0.74	-0.58	-0.24	-0.11	0.14	0.01	0.48	0.84	0.83	0.09	0.15	0.68	0.51	-0.74	-1.85	-2.25	-3.18	-3.67	-3.78	-3.86	-4.84	-4.81	-4.88	-4.78	-5.68	-4.87	-5.21	-4.12	-4.78	-4.71	-5.27	-4.87	-5.13	-5.83	-7.38		
120	0.27	0.20	-0.27	-0.58	-0.18	0.14	0.33	0.16	0.17	0.53	0.75	0.78	-0.23	-0.15	0.42	-0.18	-1.15	-2.28	-2.48	-3.37	-3.91	-4.01	-4.41	-4.48	-4.75	-4.77	-4.41	-4.48	-4.44	-4.18	-4.28	-3.88	-4.78	-4.77	-5.12	-4.85	-4.88	-4.72	-7.38	
125	0.27	0.25	-0.17	-0.28	0.18	0.78	0.79	0.53	0.42	0.68	0.74	0.22	-0.48	-0.36	0.18	-0.18	-1.53	-2.14	-2.68	-3.63	-4.18	-4.08	-4.38	-4.93	-4.93	-4.78	-4.82	-4.38	-3.91	-3.88	-4.05	-4.27	-3.88	-4.12	-4.78	-4.46	-4.72	-5.28	-7.38	
130	0.27	0.29	-0.08	-0.11	0.48	1.18	1.23	0.82	0.74	0.88	0.83	0.28	-0.48	-0.38	0.08	-0.46	-1.78	-2.57	-2.87	-3.68	-4.27	-4.33	-3.84	-3.78	-4.24	-4.78	-4.11	-2.83	-1.77	-1.58	-4.18	-4.28	-3.88	-4.07	-3.88	-4.68	-4.74	-5.24	-5.88	-7.38
135	0.27	0.33	-0.01	0.02	0.78	1.41	1.60	1.30	1.07	1.13	0.88	0.32	-0.31	-0.18	0.08	-0.46	-1.82	-2.15	-2.28	-3.18	-3.25	-2.95	-2.86	-3.68	-4.08	-3.42	-4.47	-2.97	-2.08	-2.53	-4.06	-4.78	-4.88	-4.77	-4.68	-4.66	-4.77	-5.88	-7.38	
140	0.27	0.37	0.05	0.03	0.83	1.61	1.85	1.60	1.37	1.39	1.21	0.59	0.08	0.24	0.41	-0.12	-1.05	-1.30	-1.32	-2.28	-2.48	-2.48	-3.48	-3.54	-4.44	-3.44	-3.18	-1.58	-2.03	-3.57	-5.38	-4.75	-5.88	-4.67	-4.68	-4.68	-4.78	-5.88	-7.38	
145	0.27	0.40	0.08	0.11	0.88	1.68	1.97	1.78	1.63	1.67	1.52	1.08	0.44	0.48	0.58	0.47	-0.23	-0.28	-1.24	-1.48	-1.48	-1.42	-2.48	-2.48	-3.48	-3.48	-2.88	-1.88	-2.38	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88	-4.88	-5.88	-7.38	
150	0.27	0.43	0.18	0.08	0.75	1.81	1.84	1.84	1.78	1.94	1.88	1.58	1.27	1.58	1.61	1.14	0.61	0.74	-0.23	-0.84	-1.14	-1.23	-2.48	-3.14	-3.14	-2.48	-2.88	-1.48	-1.11	-1.58	-2.82	-5.78	-5.88	-5.25	-4.78	-4.88	-4.88	-4.88	-5.88	-7.38
155	0.27	0.46	0.11	0.02	0.65	1.44	1.77	1.73	1.83	1.84	2.23	1.88	1.82	2.04	2.13	1.71	1.31	1.82	1.13	0.48	-1.28	-2.38	-2.27	-1.91	-1.78	-1.64	-1.41	-1.11	-1.37	-2.57	-4.55	-4.57	-3.88	-4.88	-4.66	-4.88	-4.65	-4.82	-7.38	
160	0.27	0.48	0.11	0.02	0.65	1.44	1.88	1.48	1.18	1.48	1.73	2.22	2.45	2.48	2.15	2.36	2.47	2.11	1.																					

Ph.Antc	Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response (dB)		Response 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Ant. Position : 5G/6G Ant.2

5150 Thz Antc	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Phy Antc	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
5	-0.04	-0.72	-1.36	-1.86	-2.13	-2.23	0.50	0.91	1.29	1.58	1.78	1.89	2.77	3.24	3.14	2.53	1.76	0.93	0.24	-1.28	-1.41	-1.58	-1.45	-1.70	-1.44	-1.15	-0.84	-0.28	-0.47	-0.51	-0.74	-0.91	-0.85	-0.52	-0.77	-0.53	-0.44	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
10	-0.04	-0.68	-1.18	-1.44	-1.23	-0.91	0.21	0.64	0.91	1.62	2.42	2.93	2.81	2.40	1.75	1.22	0.67	-0.59	-1.02	-1.48	-1.68	-1.48	-1.28	-1.00	-0.68	-0.18	-0.10	-0.18	-0.78	-1.01	-0.82	-0.78	-0.89	-0.78	-0.59	-0.44	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
15	-0.04	-0.67	-1.06	-1.18	-0.86	-0.70	0.16	-0.47	1.12	1.82	2.46	2.80	2.27	1.76	1.36	0.96	-0.16	-0.86	-1.30	-1.45	-1.08	-0.94	-0.78	-0.65	-0.48	-0.28	-0.12	-0.12	-0.82	-1.05	-0.92	-0.85	-0.98	-0.78	-0.68	-0.59	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
20	-0.04	-0.40	-0.81	-1.02	-0.86	-0.62	-0.35	-0.19	0.01	0.60	1.30	2.01	2.35	2.05	1.62	1.20	0.86	0.11	-1.47	-2.50	-2.82	-2.46	-2.14	-1.76	-1.44	-1.16	-0.94	-0.78	-1.14	-1.05	-1.04	-0.94	-0.81	-0.68	-0.56	-0.56	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
25	-0.04	-0.41	-0.62	-0.77	-0.79	-0.64	-0.58	-0.46	-0.36	0.20	1.03	1.77	2.13	2.02	1.61	1.25	0.92	0.20	-0.91	-1.39	-2.76	-3.41	-3.55	-3.48	-3.50	-3.48	-3.68	-3.41	-3.94	-3.81	-3.94	-3.81	-3.90	-3.49	-3.15	-3.44	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
30	-0.04	-0.33	-0.44	-0.52	-0.58	-0.61	-0.66	-0.73	-0.57	0.09	1.80	2.46	2.41	2.02	1.58	1.12	0.37	-0.73	-1.79	-3.02	-3.97	-4.34	-4.30	-4.46	-4.60	-4.68	-4.62	-4.91	-4.87	-5.03	-5.02	-5.18	-4.88	-4.68	-4.26	-4.33	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
35	-0.04	-0.38	-0.27	-0.27	-0.35	-0.53	-0.56	-0.69	-0.62	0.04	1.44	2.47	3.01	3.08	2.53	2.11	1.49	0.59	-0.68	-2.08	-3.59	-4.93	-5.17	-5.25	-5.36	-5.45	-5.48	-5.77	-5.68	-5.77	-5.82	-5.98	-5.82	-5.99	-5.49	-5.33	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
40	-0.04	-0.37	-0.16	-0.16	-0.26	-0.36	-0.42	-0.49	-0.46	-0.36	1.44	2.47	3.08	3.16	2.76	2.36	1.80	1.00	-0.47	-1.47	-2.84	-4.17	-5.17	-5.27	-5.36	-5.45	-5.48	-5.77	-5.68	-5.77	-5.82	-5.98	-5.82	-5.99	-5.49	-5.33	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
45	-0.04	-0.31	-0.05	0.20	0.15	-0.21	-0.06	-1.12	-0.05	0.54	1.89	2.50	3.34	3.32	2.75	2.12	1.30	0.80	-1.68	-3.57	-4.86	-6.21	-6.58	-6.61	-6.74	-6.80	-6.80	-7.00	-6.80	-7.00	-6.80	-7.00	-6.80	-7.00	-6.80	-7.00	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
50	-0.04	-0.06	0.18	0.40	0.40	0.02	-0.70	-1.22	-0.84	0.33	1.60	2.46	2.73	2.46	1.85	1.16	0.16	-1.19	-3.08	-4.66	-6.46	-8.46	-10.36	-11.15	-11.28	-10.51	-9.54	-8.56	-10.12	-10.88	-11.68	-11.77	-11.68	-11.88	-11.68	-11.88	-11.68	-11.88	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
55	-0.04	0.01	0.30	0.57	0.62	0.26	0.54	-1.31	-1.20	-0.20	0.90	1.53	1.95	1.84	0.20	0.78	-1.50	-3.42	-5.30	-6.72	-7.56	-8.13	-10.00	-11.44	-11.62	-11.53	-10.51	-9.07	-10.44	-10.02	-11.35	-11.63	-11.63	-11.78	-11.63	-11.78	-11.63	-11.78	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
60	-0.04	0.07	-0.48	-0.37	-0.41	-0.39	0.50	-0.71	-0.79	-0.23	0.50	1.77	2.07	-0.23	-0.45	-0.55	-0.65	-1.19	-2.30	-3.27	-4.45	-5.18	-6.18	-6.88	-7.88	-8.68	-9.68	-10.48	-11.48	-12.08	-12.08	-12.08	-12.08	-12.08	-12.08	-12.08	-12.08	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
65	-0.04	0.12	0.47	0.81	0.92	0.61	0.91	-1.38	-2.31	-2.30	-1.84	1.75	2.38	2.34	-0.48	-0.18	-0.26	-0.88	-1.18	-1.95	-3.18	-4.05	-4.98	-5.98	-6.98	-7.98	-8.98	-9.98	-10.98	-11.98	-12.68	-12.68	-12.68	-12.68	-12.68	-12.68	-12.68	-12.68	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
70	-0.04	0.16	0.63	0.88	1.04	0.84	0.68	-1.30	-2.86	-3.80	-4.44	-4.28	-4.84	-4.93	-7.02	-8.23	-9.88	-11.88	-13.07	-12.46	-11.03	-9.64	-8.57	-8.27	-8.93	-10.08	-11.08	-12.08	-13.08	-14.08	-15.08	-16.08	-17.08	-18.08	-19.08	-20.08	-21.08	-22.08	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
75	-0.04	0.19	0.58	0.91	1.07	0.89	0.75	-1.28	-3.24	-3.36	-4.84	-7.87	-8.74	-8.48	-10.06	-10.75	-11.96	-13.40	-13.43	-11.88	-9.82	-8.00	-7.26	-7.46	-8.82	-10.33	-10.95	-9.83	-8.48	-7.94	-6.48	-5.84	-10.23	-12.08	-12.68	-13.44	-14.08	-14.74	-15.38	-16.04	-16.70	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
80	-0.04	0.23	0.58	0.89	1.04	0.86	0.74	-1.28	-3.43	-4.15	-5.05	-11.05	-11.53	-14.93	-14.77	-14.78	-14.44	-12.93	-10.78	-8.84	-7.53	-7.08	-7.52	-7.49	-8.97	-9.71	-10.84	-11.54	-12.44	-13.44	-14.44	-15.44	-16.44	-17.44	-18.44	-19.44	-20.44	-21.44	-22.44	-0.76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
85	-0.04	0.25	0.58	0.85	0.74	0.80	-1.41	-3.40	-5.91	-6.06	-8.59	-10.80	-11.66	-11.47	-11.47	-11.46	-11.46	-11.80	-10.50	-7.58	-7.26	-7.68	-8.44	-9.13	-8.46	-7.46	-6.96	-7.19	-8.14	-9.28	-10.37	-11.46	-12.55	-13.64	-14.73	-15.82	-16.91	-18.00	-19.09	-20.18	-21.27	-22.36	-23.45	-24.54	-25.63	-26.72	-27.81	-28.90	-30.00	-31.09	-32.18	-33.27	-34.36	-35.45	-36.54	-37.63	-38.72	-39.81	-40.90	-42.00	-43.09	-44.18	-45.27	-46.36	-47.45	-48.54	-49.63	-50.72	-51.81	-52.90	-54.00	-55.09	-56.18	-57.27	-58.36	-59.45	-60.54	-61.63	-62.72	-63.81	-64.90	-66.00	-67.09	-68.18	-69.27	-70.36	-71.45	-72.54	-73.63	-74.72	-75.81	-76.90	-78.00	-79.09	-80.18	-81.27	-82.36	-83.45	-84.54	-85.63	-86.72	-87.81	-88.90	-90.00	-91.09	-92.18	-93.27	-94.36	-95.45	-96.54	-97.63	-98.72	-99.81	-100.90	-102.00	-103.09	-104.18	-105.27	-106.36	-107.45	-108.54	-109.63	-110.72	-111.81	-112.90	-114.00	-115.09	-116.18	-117.27	-118.36	-119.45	-120.54	-121.63	-122.72	-123.81	-124.90	-126.00	-127.09	-128.18	-129.27	-130.36	-131.45	-132.54	-133.63	-134.72	-135.81	-136.90	-138.00	-139.09	-140.18	-141.27	-142.36	-143.45	-144.54	-145.63	-146.72	-147.81	-148.90	-150.00	-151.09	-152.18	-153.27	-154.36	-155.45	-156.54	-157.63	-158.72	-159.81	-160.90	-162.00	-163.09	-164.18	-165.27	-166.36	-167.45	-168.54	-169.63	-170.72	-171.81	-172.90	-174.00	-175.09	-176.18	-177.27	-178.36	-179.45	-180.54	-181.63	-182.72	-183.81	-184.90	-186.00	-187.09	-188.18	-189.27	-190.36	-191.45	-192.54	-193.63	-194.72	-195.81	-196.90	-198.00	-199.09	-200.18	-201.27	-202.36	-203.45	-204.54	-205.63	-206.72	-207.81	-208.90	-210.00	-211.09	-212.18	-213.27	-214.36	-215.45	-216.54	-217.63	-218.72	-219.81	-220.90	-222.00	-223.09	-224.18	-225.27	-226.36	-227.45	-228.54	-229.63	-230.72	-231.81	-232.90	-234.00	-235.09	-236.18	-237.27	-238.36	-239.45	-240.54	-241.63	-242.72	-243.81	-244.90	-246.00	-247.09	-248.18	-249.27	-250.36	-251.45	-252.54	-253.63	-254.72	-255.81	-256.90	-258.00	-259.09	-260.18	-261.27	-262.36	-263.45	-264.54	-265.63	-266.72	-267.81	-268.90	-270.00	-271.09	-272.18	-273.27	-274.36	-275.45	-276.54	-277.63	-278.72	-279.81	-280.90	-282.00	-283.09	-284.18	-285.27	-286.36	-287.45	-288.54	-289.63	-290.72	-291.81	-292.90	-294.00	-295.09	-296.18	-297.27	-298.36	-299.45	-300.54	-301.63	-302.72	-303.81	-304.90	-306.00	-307.09	-308.18	-309.27	-310.36	-311.45	-312.54	-313.63	-314.72	-315.81	-316.90	-318.00	-319.09	-320.18	-321.27	-322.36	-323.45	-324.54	-325.63	-326.72	-327.81	-328.90	-330.00	-331.09	-332.18	-333.27	-334.36	-335.45	-336.54	-337.63	-338.72	-339.81	-340.90	-342.00	-343.09	-344.18	-345.27	-346.36	-347.45	-348.54	-349.63	-350.72	-351.81	-352.90	-354.00	-355.09	-356.18	-357.27	-358.36	-359.45	-360.54	-361.63	-362.72	-363.81	-364.90	-366.00	-367.09	-368.18	-369.27	-370.36	-371.45	-372.54	-373.63	-374.72	-375.81	-376.90	-378.00	-379.09	-380.18	-381.27	-382.36	-383.45	-384.54	-385.63	-386.72	-387.81	-388.90	-390.00	-391.09	-392.18	-393.27	-394.36	-395.45	-396.54	-397.63	-398.72	-399.81	-400.90	-402.00	-403.09	-404.18	-405.27	-406.36	-407.45	-408.54	-409.63	-410.72	-411.81	-412.90	-414.00	-415.09	-416.18	-417.27	-418.36	-419.45	-420.54	-421.63	-422.72	-423.81	-424.90	-426.00	-427.09	-428.18	-429.27	-430.36	-431.45	-432.54	-433.63	-434.72	-435.81	-436.90	-438.00	-439.09	-440.18	-441.27	-442.36	-443.45	-444.54	-445.63	-446.72	-447.81	-448.90	-450.00	-451.09	-452.18	-453.27	-454.36	-455.45	-456.54	-457.63	-458.72	-459.81	-460.90	-462.00	-463.09	-464.18	-465.27	-466.36	-467.45	-468.54	-469.63	-470.72	-471.81	-472.90	-474.00	-475.09	-476.18	-477.27	-478.36	-479.45	-480.54	-481.63	-482.72	-483.81	-484.90	-486.00	-487.09	-488.18	-489.27	-490.36	-491.45	-492.54	-493.63	-494.72	-495.81	-496.90	-498.00	-499.09	-500.18	-501.27	-502.36	-503.45	-504.54	-505.63	-506.72	-507.81	-508.90	-510.00	-511.09	-512.18	-513.27	-514.36	-515.45	-516.54	-517.63	-518.72	-519.81	-520.90	-522.00	-523.09	-524.18	-525.27	-526.36	-527.45	-528.54	-529.63	-530.72	-531.81	-532.90	-534.00	-535.09	-536.18	-537.27	-538.36	-539.45	-540.54	-541.63	-542.72	-543.81	-544.90	-546.00	-547.09	-548.18	-549.27	-550.36	-551.45	-552.54	-553.63	-554.72	-555.81	-556.90	-558.00	-559.09	-560.18	-561.27	-562.36	-563.45	-564.54	-565.63	-566.72	-567.81	-568.90	-570.00	-571.09	-572.18	-573.27	-574.36	-575.45

5850 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
Phi(Angle)	Theta(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
0	-1.46	-1.74	-0.82	0.45	1.42	2.10	2.62	3.00	3.27	3.52	3.73	3.81	3.82	3.21	2.77	2.58	2.56	2.06	1.32	-2.48	-3.81	-5.61	-8.21	-12.21	-17.17	-23.84	-32.01	-41.01	-50.01	-58.01	-64.01	-68.01	-70.01	-70.01	-68.01	-64.01	-58.01	-50.01	-41.01	-32.01	-23.84	-17.17	-12.21	-7.00	-5.61	-3.82	-3.81	-3.73	-3.52	-3.27	-3.00	-2.62	-2.10	-1.42	-0.45	0.82	1.74	2.58	3.21	3.81	4.21	4.42	4.52	4.50	4.36	4.01	3.48	2.79	1.98	1.10	0.20	-0.71	-1.62	-2.41	-3.08	-3.64	-4.10	-4.46	-4.72	-4.89	-4.97	-4.95	-4.83	-4.62	-4.33	-3.98	-3.59	-3.17	-2.74	-2.30	-1.86	-1.42	-0.98	-0.54	-0.10	0.34	0.78	1.12	1.36	1.50	1.53	1.46	1.30	1.06	0.74	0.35	-0.14	-0.74	-1.30	-1.82	-2.30	-2.74	-3.14	-3.50	-3.82	-4.09	-4.28	-4.40	-4.45	-4.44	-4.38	-4.27	-4.12	-3.94	-3.72	-3.45	-3.17	-2.89	-2.61	-2.33	-2.05	-1.77	-1.49	-1.21	-0.93	-0.65	-0.37	-0.09	0.20	0.49	0.78	1.07	1.36	1.65	1.94	2.23	2.52	2.81	3.10	3.39	3.68	3.97	4.26	4.55	4.84	5.13	5.42	5.71	6.00	6.29	6.58	6.87	7.16	7.45	7.74	8.03	8.32	8.61	8.90	9.19	9.48	9.77	10.06	10.35	10.64	10.93	11.22	11.51	11.80	12.09	12.38	12.67	12.96	13.25	13.54	13.83	14.12	14.41	14.70	15.00	15.29	15.58	15.87	16.16	16.45	16.74	17.03	17.32	17.61	17.90	18.19	18.48	18.77	19.06	19.35	19.64	19.93	20.22	20.51	20.80	21.09	21.38	21.67	21.96	22.25	22.54	22.83	23.12	23.41	23.70	24.00	24.29	24.58	24.87	25.16	25.45	25.74	26.03	26.32	26.61	26.90	27.19	27.48	27.77	28.06	28.35	28.64	28.93	29.22	29.51	29.80	30.09	30.38	30.67	30.96	31.25	31.54	31.83	32.12	32.41	32.70	33.00	33.29	33.58	33.87	34.16	34.45	34.74	35.03	35.32	35.61	35.90	36.19	36.48	36.77	37.06	37.35	37.64	37.93	38.22	38.51	38.80	39.09	39.38	39.67	39.96	40.25	40.54	40.83	41.12	41.41	41.70	42.00	42.29	42.58	42.87	43.16	43.45	43.74	44.03	44.32	44.61	44.90	45.19	45.48	45.77	46.06	46.35	46.64	46.93	47.22	47.51	47.80	48.09	48.38	48.67	48.96	49.25	49.54	49.83	50.12	50.41	50.70	51.00	51.29	51.58	51.87	52.16	52.45	52.74	53.03	53.32	53.61	53.90	54.19	54.48	54.77	55.06	55.35	55.64	55.93	56.22	56.51	56.80	57.09	57.38	57.67	57.96	58.25	58.54	58.83	59.12	59.41	59.70	60.00	60.29	60.58	60.87	61.16	61.45	61.74	62.03	62.32	62.61	62.90	63.19	63.48	63.77	64.06	64.35	64.64	64.93	65.22	65.51	65.80	66.09	66.38	66.67	66.96	67.25	67.54	67.83	68.12	68.41	68.70	69.00	69.29	69.58	69.87	70.16	70.45	70.74	71.03	71.32	71.61	71.90	72.19	72.48	72.77	73.06	73.35	73.64	73.93	74.22	74.51	74.80	75.09	75.38	75.67	75.96	76.25	76.54	76.83	77.12	77.41	77.70	78.00	78.29	78.58	78.87	79.16	79.45	79.74	80.03	80.32	80.61	80.90	81.19	81.48	81.77	82.06	82.35	82.64	82.93	83.22	83.51	83.80	84.09	84.38	84.67	84.96	85.25	85.54	85.83	86.12	86.41	86.70	87.00	87.29	87.58	87.87	88.16	88.45	88.74	89.03	89.32	89.61	89.90	90.19	90.48	90.77	91.06	91.35	91.64	91.93	92.22	92.51	92.80	93.09	93.38	93.67	93.96	94.25	94.54	94.83	95.12	95.41	95.70	96.00	96.29	96.58	96.87	97.16	97.45	97.74	98.03	98.32	98.61	98.90	99.19	99.48	99.77	100.06	100.35	100.64	100.93	101.22	101.51	101.80	102.09	102.38	102.67	102.96	103.25	103.54	103.83	104.12	104.41	104.70	105.00	105.29	105.58	105.87	106.16	106.45	106.74	107.03	107.32	107.61	107.90	108.19	108.48	108.77	109.06	109.35	109.64	109.93	110.22	110.51	110.80	111.09	111.38	111.67	111.96	112.25	112.54	112.83	113.12	113.41	113.70	114.00	114.29	114.58	114.87	115.16	115.45	115.74	116.03	116.32	116.61	116.90	117.19	117.48	117.77	118.06	118.35	118.64	118.93	119.22	119.51	119.80	120.09	120.38	120.67	120.96	121.25	121.54	121.83	122.12	122.41	122.70	123.00	123.29	123.58	123.87	124.16	124.45	124.74	125.03	125.32	125.61	125.90	126.19	126.48	126.77	127.06	127.35	127.64	127.93	128.22	128.51	128.80	129.09	129.38	129.67	129.96	130.25	130.54	130.83	131.12	131.41	131.70	132.00	132.29	132.58	132.87	133.16	133.45	133.74	134.03	134.32	134.61	134.90	135.19	135.48	135.77	136.06	136.35	136.64	136.93	137.22	137.51	137.80	138.09	138.38	138.67	138.96	139.25	139.54	139.83	140.12	140.41	140.70	141.00	141.29	141.58	141.87	142.16	142.45	142.74	143.03	143.32	143.61	143.90	144.19	144.48	144.77	145.06	145.35	145.64	145.93	146.22	146.51	146.80	147.09	147.38	147.67	147.96	148.25	148.54	148.83	149.12	149.41	149.70	150.00	150.29	150.58	150.87	151.16	151.45	151.74	152.03	152.32	152.61	152.90	153.19	153.48	153.77	154.06	154.35	154.64	154.93	155.22	155.51	155.80	156.09	156.38	156.67	156.96	157.25	157.54	157.83	158.12	158.41	158.70	159.00	159.29	159.58	159.87	160.16	160.45	160.74	161.03	161.32	161.61	161.90	162.19	162.48	162.77	163.06	163.35	163.64	163.93	164.22	164.51	164.80	165.09	165.38	165.67	165.96	166.25	166.54	166.83	167.12	167.41	167.70	168.00	168.29	168.58	168.87	169.16	169.45	169.74	170.03	170.32	170.61	170.90	171.19	171.48	171.77	172.06	172.35	172.64	172.93	173.22	173.51	173.80	174.09	174.38	174.67	174.96	175.25	175.54	175.83	176.12	176.41	176.70	177.00	177.29	177.58	177.87	178.16	178.45	178.74	179.03	179.32	179.61	179.90	180.19	180.48	180.77	181.06	181.35	181.64	181.93	182.22	182.51	182.80	183.09	183.38	183.67	183.96	184.25	184.54	184.83	185.12	185.41	185.70	186.00	186.29	186.58	186.87	187.16	187.45	187.74	188.03	188.32	188.61	188.90	189.19	189.48	189.77	190.06	190.35	190.64	190.93	191.22	191.51	191.80	192.09	192.38	192.67	192.96	193.25	193.54	193.83	194.12	194.41	194.70	195.00	195.29	195.58	195.87	196.16	196.45	196.74	197.03	197.32	197.61	197.90	198.19	198.48	198.77	199.06	199.35	199.64	199.93	200.22	200.51	200.80	201.09	201.38	201.67	201.96	202.25	202.54	202.83	203.12	203.41	203.70	204.00	204.29	204.58	204.87	205.16	205.45	205.74	206.03	206.32	206.61	206.90	207.19	207.48	207.77	208.06	208.35	208.64	208.93	209.22	209.51	209.80	210.09	210.38	210.67	210.96	211.25	211.54	211.83	212.12	212.41	212.70	213.00	213.29	213.58	213.87	214.16	214.45	214.74	215.03	215.32	215.61	215.90	216.19	216.48	216.77	217.06	217.35	217.64	217.93	218.22	218.51	218.80	219.09	219.38	219.67	219.96	220.25	220.54	220.83	221.12	221.41	221.70	222.00	222.29	222.58	222.87	223.16	223.45	223.74	224.03	224.32	224.61	224.90	225.19	225.48	225.77	226.06	226.35	226.64	226.93	227.22	227.51	227.80	228.09	228.38	228.67	228.96	229.25	229.54	229.83	230.12	230.41	230.70	231.00	231.29	231.58	231.87	232.16	232.45	232.74	233.03	233.32	233.61	233.90	234.19	234.48	234.77	235.06	235.35	235.64	235.93	236.22	236.51	236.80	237.09	237.38	237.67	237.96	238.25	238.54	238.83	239.12	239.41	239.70	240.00	240.29	240.58	240.87	241.16	241.45	241.74	242.03	242.32	242.61	242.90	243.19	243.48	243.77	244.06	244.35	244.64	244.93	245.22	245.51	245.80	246.09	246.38	246.67	246.96	247.25	247.54	247.83	248.12	248.41	248.70	249.00	249.29	249.58	249.87	250.16	250.45	250.74	251.03	251.32	251.61	251.90	252.19	252.48	252.77	253.06	253.35	253.64	253.93	254.22	254.51	254.80	255.09	255.38	255.67	255.96	256.25	256.54	256.83	257.12	257.41	257.70	258.00	258.29	258.58	258.87	259.16	259.45	259.74	260.03	260.32	260.61	260.90	261.19	261.48	261.77	262.06	262.35	262.64	262.93	263.22	263.51	263.80	264.09	264.38	264.67	264.96	265.25	265.54	265.83	266.12	266.41	266.70	267.00	267.29	267.58	267.87	268.16	268.45	268.74	269.03	269.32	269.61	269.90	270.19	270.48	270.77	271.06	271.35	271.64	271.93	272.22	272.51	272.80	273.09	273.38	273.67	273.96	274.25	274.54	274.83	275.12	275.41	275.70	276.00	276.29	276.58	276.87	277.16	277.45	277.74	278.03	278.32	278.61	278.90	279.19	279.48	279.77	280.06	280.35	280.64	280.93	281.22	281.51	281.80	282.09	282.38	282.67	282.96	283.25	283.54	283.83	284.12	284.41	284.70	285.00</

Phi Angle (°)	0		5		10		15		20		25		30		35		40		45		50		55		60		65		70		75		80		85		90		95		100		105		110		115		120		125		130		135		140		145		150		155		160		165		170		175		180																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)

[illegible]

Ant. Position : 5G/6G Ant

151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
1	-2.34	-4.15	-0.78	1.22	1.13	1.03	0.44	0.15	-0.13	-0.46	-0.38	0.26	-0.21	-0.49	-0.39	0.24	-0.35	0.25	-0.44	-0.43	-0.08	-0.41	-0.08	-0.11	-0.43	-0.27	-0.38	-0.23	-0.38	-0.13
5	-2.36	-4.46	0.94	0.98	1.38	0.72	0.26	0.06	-0.76	-0.39	-0.40	-0.37	-0.61	-0.40	-0.81	-0.18	-0.41	-0.49	-0.18	-0.62	-0.48	-0.22	-0.16	-0.15	-0.20	-0.43	-0.37	-0.24	-0.26	-0.27
10	-2.38	-4.55	-0.14	-0.08	0.32	0.36	0.06	-0.38	-0.20	-0.24	-0.56	-0.54	-0.51	-0.73	-0.38	-0.20	-0.33	-0.56	-0.35	-0.44	-0.25	-0.18	-0.12	-0.19	-0.50	-0.43	-0.50	-0.31	-0.26	-0.42
15	-2.39	-4.40	-0.38	0.36	0.65	0.03	-0.29	-0.08	-0.44	-0.53	-0.35	-0.38	-0.46	-0.77	-0.34	-0.55	-0.40	-0.47	-0.90	-0.49	-0.11	-0.02	-0.18	-0.42	-0.32	-0.28	-0.27	-0.37	-0.44	-0.16
20	-2.40	-4.17	-0.27	0.18	0.27	0.16	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46	-0.46
25	-2.40	-4.06	-0.36	-0.34	-0.23	-0.53	-0.58	-0.79	-0.62	-0.39	-0.51	-0.74	-0.68	-0.42	-0.18	-0.34	-0.11	-0.43	-0.73	-0.52	-0.59	-0.27	-0.29	-0.43	-0.26	-0.42	-0.33	-0.25	-0.33	-0.23
30	-2.39	-4.16	-0.29	-0.78	-0.60	-0.79	-0.69	-0.81	-0.47	-0.38	-0.21	0.06	0.29	0.20	0.82	0.34	-0.30	-0.78	-0.54	-0.42	-0.59	-0.26	-0.16	-0.18	-0.46	-0.24	-0.35	-0.46	-0.30	-0.40
35	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
40	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
45	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
50	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
55	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
60	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
65	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
70	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
75	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
80	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
85	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
90	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
95	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
100	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
105	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
110	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
115	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
120	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
125	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
130	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
135	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
140	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
145	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
150	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
155	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
160	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
165	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
170	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
175	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31
180	-2.39	-4.56	-0.65	-0.29	-0.30	-0.16	-0.62	-0.00	-0.34	-0.78	-0.73	0.74	1.38	1.04	0.40	0.03	-0.46	-0.95	-0.41	-0.78	-0.48	-0.75	-0.43	-0.69	-0.36	-0.10	-0.03	-0.48	-0.28	-0.31

5895 Theta-Arcs										0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
Phi-Arcs	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
0	-10.26	-4.15	-5.94	-4.88	-3.18	-0.98	0.33	0.25	-0.56	-1.15	-1.81	-3.15	-4.72	-6.37	-8.63	-10.87	-13.68	-16.47	-19.83	-23.68	-27.65	-31.68	-35.78	-39.93	-44.13	-48.38	-52.68	-56.93	-61.23	-65.48	-69.73	-73.98	-78.23	-82.48	-86.73	-90.98	-95.23	-99.48	-103.73	-107.98	-112.23	-116.48	-120.73	-124.98	-129.23	-133.48	-137.73	-141.98	-146.23	-150.48	-154.73	-158.98	-163.23	-167.48	-171.73	-175.98	-180.23	-184.48	-188.73	-192.98	-197.23	-201.48	-205.73	-209.98	-214.23	-218.48	-222.73	-226.98	-231.23	-235.48	-239.73	-243.98	-248.23	-252.48	-256.73	-260.98	-265.23	-269.48	-273.73	-277.98	-282.23	-286.48	-290.73	-294.98	-299.23	-303.48	-307.73	-311.98	-316.23	-320.48	-324.73	-328.98	-333.23	-337.48	-341.73	-345.98	-350.23	-354.48	-358.73	-362.98	-367.23	-371.48	-375.73	-379.98	-384.23	-388.48	-392.73	-396.98	-401.23	-405.48	-409.73	-413.98	-418.23	-422.48	-426.73	-430.98	-435.23	-439.48	-443.73	-447.98	-452.23	-456.48	-460.73	-464.98	-469.23	-473.48	-477.73	-481.98	-486.23	-490.48	-494.73	-498.98	-503.23	-507.48	-511.73	-515.98	-520.23	-524.48	-528.73	-532.98	-537.23	-541.48	-545.73	-549.98	-554.23	-558.48	-562.73	-566.98	-571.23	-575.48	-579.73	-583.98	-588.23	-592.48	-596.73	-600.98	-605.23	-609.48	-613.73	-617.98	-622.23	-626.48	-630.73	-634.98	-639.23	-643.48	-647.73	-651.98	-656.23	-660.48	-664.73	-668.98	-673.23	-677.48	-681.73	-685.98	-690.23	-694.48	-698.73	-702.98	-707.23	-711.48	-715.73	-719.98	-724.23	-728.48	-732.73	-736.98	-741.23	-745.48	-749.73	-753.98	-758.23	-762.48	-766.73	-770.98	-775.23	-779.48	-783.73	-787.98	-792.23	-796.48	-800.73	-804.98	-809.23	-813.48	-817.73	-821.98	-826.23	-830.48	-834.73	-838.98	-843.23	-847.48	-851.73	-855.98	-860.23	-864.48	-868.73	-872.98	-877.23	-881.48	-885.73	-889.98	-894.23	-898.48	-902.73	-906.98	-911.23	-915.48	-919.73	-923.98	-928.23	-932.48	-936.73	-940.98	-945.23	-949.48	-953.73	-957.98	-962.23	-966.48	-970.73	-974.98	-979.23	-983.48	-987.73	-991.98	-996.23	-1000.48	-1004.73	-1008.98	-1013.23	-1017.48	-1021.73	-1025.98	-1030.23	-1034.48	-1038.73	-1042.98	-1047.23	-1051.48	-1055.73	-1059.98	-1064.23	-1068.48	-1072.73	-1076.98	-1081.23	-1085.48	-1089.73	-1093.98	-1098.23	-1102.48	-1106.73	-1110.98	-1115.23	-1119.48	-1123.73	-1127.98	-1132.23	-1136.48	-1140.73	-1144.98	-1149.23	-1153.48	-1157.73	-1161.98	-1166.23	-1170.48	-1174.73	-1178.98	-1183.23	-1187.48	-1191.73	-1195.98	-1200.23	-1204.48	-1208.73	-1212.98	-1217.23	-1221.48	-1225.73	-1229.98	-1234.23	-1238.48	-1242.73	-1246.98	-1251.23	-1255.48	-1259.73	-1263.98	-1268.23	-1272.48	-1276.73	-1280.98	-1285.23	-1289.48	-1293.73	-1297.98	-1302.23	-1306.48	-1310.73	-1314.98	-1319.23	-1323.48	-1327.73	-1331.98	-1336.23	-1340.48	-1344.73	-1348.98	-1353.23	-1357.48	-1361.73	-1365.98	-1370.23	-1374.48	-1378.73	-1382.98	-1387.23	-1391.48	-1395.73	-1399.98	-1404.23	-1408.48	-1412.73	-1416.98	-1421.23	-1425.48	-1429.73	-1433.98	-1438.23	-1442.48	-1446.73	-1450.98	-1455.23	-1459.48	-1463.73	-1467.98	-1472.23	-1476.48	-1480.73	-1484.98	-1489.23	-1493.48	-1497.73	-1501.98	-1506.23	-1510.48	-1514.73	-1518.98	-1523.23	-1527.48	-1531.73	-1535.98	-1540.23	-1544.48	-1548.73	-1552.98	-1557.23	-1561.48	-1565.73	-1569.98	-1574.23	-1578.48	-1582.73	-1586.98	-1591.23	-1595.48	-1599.73	-1603.98	-1608.23	-1612.48	-1616.73	-1620.98	-1625.23	-1629.48	-1633.73	-1637.98	-1642.23	-1646.48	-1650.73	-1654.98	-1659.23	-1663.48	-1667.73	-1671.98	-1676.23	-1680.48	-1684.73	-1688.98	-1693.23	-1697.48	-1701.73	-1705.98	-1710.23	-1714.48	-1718.73	-1722.98	-1727.23	-1731.48	-1735.73	-1739.98	-1744.23	-1748.48	-1752.73	-1756.98	-1761.23	-1765.48	-1769.73	-1773.98	-1778.23	-1782.48	-1786.73	-1790.98	-1795.23	-1799.48	-1803.73	-1807.98	-1812.23	-1816.48	-1820.73	-1824.98	-1829.23	-1833.48	-1837.73	-1841.98	-1846.23	-1850.48	-1854.73	-1858.98	-1863.23	-1867.48	-1871.73	-1875.98	-1880.23	-1884.48	-1888.73	-1892.98	-1897.23	-1901.48	-1905.73	-1909.98	-1914.23	-1918.48	-1922.73	-1926.98	-1931.23	-1935.48	-1939.73	-1943.98	-1948.23	-1952.48	-1956.73	-1960.98	-1965.23	-1969.48	-1973.73	-1977.98	-1982.23	-1986.48	-1990.73	-1994.98	-1999.23	-2003.48	-2007.73	-2011.98	-2016.23	-2020.48	-2024.73	-2028.98	-2033.23	-2037.48	-2041.73	-2045.98	-2050.23	-2054.48	-2058.73	-2062.98	-2067.23	-2071.48	-2075.73	-2079.98	-2084.23	-2088.48	-2092.73	-2096.98	-2101.23	-2105.48	-2109.73	-2113.98	-2118.23	-2122.48	-2126.73	-2130.98	-2135.23	-2139.48	-2143.73	-2147.98	-2152.23	-2156.48	-2160.73	-2164.98	-2169.23	-2173.48	-2177.73	-2181.98	-2186.23	-2190.48	-2194.73	-2198.98	-2203.23	-2207.48	-2211.73	-2215.98	-2220.23	-2224.48	-2228.73	-2232.98	-2237.23	-2241.48	-2245.73	-2249.98	-2254.23	-2258.48	-2262.73	-2266.98	-2271.23	-2275.48	-2279.73	-2283.98	-2288.23	-2292.48	-2296.73	-2300.98	-2305.23	-2309.48	-2313.73	-2317.98	-2322.23	-2326.48	-2330.73	-2334.98	-2339.23	-2343.48	-2347.73	-2351.98	-2356.23	-2360.48	-2364.73	-2368.98	-2373.23	-2377.48	-2381.73	-2385.98	-2390.23	-2394.48	-2398.73	-2402.98	-2407.23	-2411.48	-2415.73	-2419.98	-2424.23	-2428.48	-2432.73	-2436.98	-2441.23	-2445.48	-2449.73	-2453.98	-2458.23	-2462.48	-2466.73	-2470.98	-2475.23	-2479.48	-2483.73	-2487.98	-2492.23	-2496.48	-2500.73	-2504.98	-2509.23	-2513.48	-2517.73	-2521.98	-2526.23	-2530.48	-2534.73	-2538.98	-2543.23	-2547.48	-2551.73	-2555.98	-2560.23	-2564.48	-2568.73	-2572.98	-2577.23	-2581.48	-2585.73	-2589.98	-2594.23	-2598.48	-2602.73	-2606.98	-2611.23	-2615.48	-2619.73	-2623.98	-2628.23	-2632.48	-2636.73	-2640.98	-2645.23	-2649.48	-2653.73	-2657.98	-2662.23	-2666.48	-2670.73	-2674.98	-2679.23	-2683.48	-2687.73	-2691.98	-2696.23	-2700.48	-2704.73	-2708.98	-2713.23	-2717.48	-2721.73	-2725.98	-2730.23	-2734.48	-2738.73	-2742.98	-2747.23	-2751.48	-2755.73	-2759.98	-2764.23	-2768.48	-2772.73	-2776.98	-2781.23	-2785.48	-2789.73	-2793.98	-2798.23	-2802.48	-2806.73	-2810.98	-2815.23	-2819.48	-2823.73	-2827.98	-2832.23	-2836.48	-2840.73	-2844.98	-2849.23	-2853.48	-2857.73	-2861.98	-2866.23	-2870.48	-2874.73	-2878.98	-2883.23	-2887.48	-2891.73	-2895.98	-2900.23	-2904.48	-2908.73	-2912.98	-2917.23	-2921.48	-2925.73	-2929.98	-2934.23	-2938.48	-2942.73	-2946.98	-2951.23	-2955.48	-2959.73	-2963.98	-2968.23	-2972.48	-2976.73	-2980.98	-2985.23	-2989.48	-2993.73	-2997.98	-3002.23	-3006.48	-3010.73	-3014.98	-3019.23	-3023.48	-3027.73	-3031.98	-3036.23	-3040.48	-3044.73	-3048.98	-3053.23	-3057.48	-3061.73	-3065.98	-3070.23	-3074.48	-3078.73	-3082.98	-3087.23	-3091.48	-3095.73	-3099.98	-3104.23	-3108.48	-3112.73	-3116.98	-3121.23	-3125.48	-3129.73	-3133.98	-3138.23	-3142.48	-3146.73	-3150.98	-3155.23	-3159.48	-3163.73	-3167.98	-3172.23	-3176.48	-3180.73	-3184.98	-3189.23	-3193.48	-3197.73	-3201.98	-3206.23	-3210.48	-3214.73	-3218.98	-3223.23	-3227.48	-3231.73	-3235.98	-3240.23	-3244.48	-3248.73	-3252.98	-3257.23	-3261.48	-3265.73	-3269.98	-3274.23	-3278.48	-3282.73	-3286.98	-3291.23	-3295.48	-3299.73	-3303.98	-3308.23	-3312.48	-3316.73	-3320.98	-3325.23	-3329.48	-3333.73	-3337.98	-3342.23	-3346.48	-3350.73	-3354.98	-3359.23	-3363.48	-3367.73	-3371.98	-3376.23	-3380.48	-3384.73	-3388.98	-3393.23	-3397.48	-3401.73	-3405.98	-3410.23	-3414.48	-3418.73	-3422.98	-3427.23	-3431.48	-3435.73	-3439.98	-3444.23	-3448.48	-3452.73	-3456.98	-3461.23	-3465.48	-3469.73	-3473.98	-3478.23	-3482.48	-3486.73	-3490.98	-3495.23	-3499.48	-3503.73	-3507.98	-3512.23	-3516.48	-3520.73	-3524.98	-3529.23	-3533.48	-3537.73	-3541.98	-3546.23	-3550.48	-3554.73	-3558.98	-3563.23	-3567.48	-3571.73	-3575.98	-3580.23	-3584.48	-3588.73	-3592.98	-3597.23	-3601.48	-3605.73	-3609.98	-3614.23	-3618.48	-3622.73	-3626.98	-3631.23	-3635.48	-3639.73	-3643.98	-3648.23	-3652.48	-3656.73	-3660.98	-3665.23	-3669.48	-3673.73	-3677.98	-3682.23	-3686.48	-3690.73	-3694.98	-3699.23	-3703.48	-3707.73	-3711.98	-3716.23	-3720.48	-3724.73	-3728.98	-3733.23	-3737.48	-3741.73	-3745.98	-3750.23	-3754.48	-3758.73	-3762.98	-3767.23	-3771.48	-3775.73	-3779.98	-3784.23	-3788.48	-3792.73	-3796.98	-3801.23	-3805.48	-3809.73	-3813.98	-3818.23	-3822.48	-3826.73	-3830.98	-3835.23	-3839.48	-3843.73	-3847.98	-3852.23	-3856.48	-3860.73	-3864.98	-3869.23	-3873.48	-3877.73	-3881.98	-3886.23	-3890.48	-3894.73	-3898.98	-3903.23	-3907.48	-3911.73	-3915.98	-3920.23	-3924.48	-3928.73	-3932.98	-3937.23	-3941.48	-3945.73	-3949.98	-3954.23	-3958.48	-3962.73	-3966.98	-3971.23	-3975.48	-3979.73	-3983.98	-3988.23	-3992.48	-3996.73	-4000.98	-4005.23	-4009.48	-4013.73	-4017.98	-4022.23	-4026.48	-4030.73	-4034.98	-4039.23	-4043.48	-4047.73	-4051.98	-4056.23	-4060.48	-4064.73	-4068.98	-4073.23	-4077.48	-4081.73	-4085.98	-4090.23	-4094.48	-4098.73	-4102.98	-4107.23	-4111.48	-4115.73	-4119.98	-4124.23	-4128.48	-4132.73	-4136.98</

Doc.No.:3.8.05 Rev

6555 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response
0	4.55	4.54	-0.23	-4.26	-3.02	-0.83	0.38	0.90	1.17	1.40	1.60	1.80	-0.30	-3.69	-2.24	-7.33	-4.84	-4.46	-4.04	4.33	4.61	-11.71	-4.01	-7.69	-11.06	-17.22	-9.23	-7.53	-10.08	-12.65	-11.22	-12.22	-17.55	-27.34	-26.70	-28.01	-28.01	
5	4.55	4.56	-0.30	-4.24	-3.18	-1.23	-0.07	0.87	1.75	2.20	1.71	1.63	1.63	-0.51	-2.26	-4.23	-2.74	-4.00	-2.62	-2.51	-4.27	-7.40	-10.31	-8.68	-7.95	-10.88	-16.75	-9.56	-7.77	-10.80	-12.75	-11.48	-12.75	-17.84	-26.42	-27.25	-28.01	
10	4.55	4.56	-0.20	-4.16	-3.26	-1.50	0.27	1.17	2.51	1.14	1.15	1.62	1.27	-0.40	-3.84	-4.74	-4.02	-3.50	-4.89	-2.40	-2.59	-4.33	-10.40	-7.62	-10.76	-16.98	-8.48	-7.78	-9.88	-12.65	-12.71	-13.57	-18.13	-24.18	-24.18	-28.01		
15	4.55	-10.47	-10.70	-4.13	-3.17	-1.62	-0.85	0.59	2.39	2.86	1.81	1.49	1.22	-0.52	-3.56	-3.83	-4.13	-2.97	-4.68	-1.22	-1.51	-4.16	-6.59	-4.46	-7.52	-10.73	-14.01	-9.19	-7.67	-10.82	-12.76	-12.72	-14.36	-20.31	-22.38	-27.00	-28.01	
20	4.55	-10.76	-10.80	-4.04	-3.06	-1.62	-1.14	0.29	2.43	3.10	1.71	1.26	0.23	1.06	-0.58	-2.76	-2.10	-4.40	-4.15	-1.47	-4.21	-6.05	-4.32	-6.78	-10.22	-14.78	-9.00	-7.52	-10.48	-12.70	-12.75	-14.64	-17.28	-20.41	-26.87	-28.01		
25	4.55	-10.88	-11.88	-4.03	-2.96	-1.57	-1.38	-0.10	2.31	3.27	1.99	1.66	-1.12	0.81	0.14	-0.79	-2.10	-3.81	-4.63	-4.06	-2.85	-5.55	-7.00	-6.80	-6.75	-10.44	-13.36	-11.90	-7.58	-9.63	-12.42	-12.44	-14.02	-16.71	-19.82	-26.40	-28.01	
30	4.55	-11.00	-11.30	-4.00	-2.94	-1.56	-1.59	-0.59	2.03	3.31	2.25	1.44	-0.10	-0.62	-0.80	-1.05	-1.66	-3.83	-3.64	-4.20	-7.58	-9.40	-11.40	-6.83	-6.38	-11.08	-14.60	-11.60	-7.60	-9.56	-12.07	-12.32	-13.12	-15.80	-18.56	-25.95	-28.01	
35	4.55	-11.26	-11.30	-4.00	-2.94	-1.56	-1.59	-0.59	2.03	3.31	2.25	1.44	-0.10	-0.62	-0.80	-1.05	-1.66	-3.83	-3.64	-4.20	-7.58	-9.40	-11.40	-6.83	-6.38	-11.08	-14.60	-11.60	-7.60	-9.56	-12.07	-12.32	-13.12	-15.80	-18.56	-25.95	-28.01	
40	4.55	-11.00	-11.52	-4.32	-3.18	-1.86	-2.12	-1.76	0.92	2.79	2.46	1.41	-1.36	-0.51	0.62	0.40	-0.56	-4.40	-3.14	-0.56	-2.74	-5.52	-7.44	-7.54	-6.46	-4.51	-7.08	-4.40	-6.60	-9.88	-11.46	-11.64	-13.81	-16.36	-17.28	-25.95	-28.01	
45	4.55	-10.88	-11.34	-4.37	-3.37	-2.31	-2.41	-2.33	0.13	2.82	2.34	1.50	-0.57	-0.38	0.78	1.37	1.00	0.71	0.46	1.15	0.83	-3.18	-4.83	-5.57	-6.40	-4.00	-6.75	-4.08	-6.28	-11.30	-11.70	-11.71	-13.71	-17.81	-25.95	-28.01		
50	4.55	-10.64	-10.88	-4.22	-3.40	-2.31	-2.61	-2.76	-0.72	1.15	1.24	0.53	0.24	1.62	2.88	2.62	1.17	1.14	1.59	0.84	-2.08	-3.73	-4.52	-5.71	-5.08	-5.66	-5.62	-5.96	-10.00	-11.33	-12.46	-11.82	-13.10	-16.88	-25.95	-28.01		
55	4.55	-10.76	-11.04	-4.26	-3.36	-2.36	-2.81	-2.84	-1.17	0.81	0.81	0.16	0.29	1.12	2.01	2.12	1.14	1.27	1.54	1.07	-2.07	-3.44	-4.23	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	-5.44	
60	4.55	-10.96	-11.26	-4.30	-3.40	-2.36	-2.86	-2.81	-0.57	0.14	0.00	-0.07	1.05	2.44	2.74	1.85	1.82	1.10	0.92	0.70	-3.32	-4.60	-5.68	-4.39	-4.91	-5.66	-4.90	-7.21	-6.48	-11.24	-11.24	-12.88	-13.77	-17.41	-25.92	-28.01		
65	4.55	-10.59	-11.18	-4.28	-2.70	-2.10	-1.92	-2.56	-2.25	-1.00	-0.20	-0.09	-0.27	0.33	1.57	1.82	1.14	0.31	0.29	-0.09	-1.82	-2.71	-3.88	-4.46	-5.48	-4.99	-5.44	-4.31	-6.10	-10.48	-12.88	-13.27	-14.56	-18.20	-26.38	-28.01		
70	4.55	-11.14	-11.18	-4.10	-3.16	-2.40	-1.44	-2.22	-1.10	-1.18	-0.20	0.15	-0.01	0.20	0.88	1.06	0.36	-0.39	-0.45	-1.04	-2.72	-5.44	-7.64	-7.11	-5.52	-4.40	-5.74	-7.70	-8.26	-9.63	-10.46	-12.10	-13.37	-16.46	-18.80	-25.95	-28.01	
75	4.55	-10.88	-11.24	-3.88	-2.65	-2.33	-1.02	-1.86	-1.86	-0.93	0.11	0.88	0.54	-0.49	0.72	0.70	0.13	-0.53	-0.86	-1.43	-2.76	-4.74	-6.37	-6.21	-5.16	-4.76	-5.56	-7.65	-7.46	-9.88	-11.96	-12.10	-13.26	-16.46	-19.81	-25.95	-28.01	
80	4.55	-10.56	-11.00	-4.10	-2.80	-2.10	-1.80	-2.00	-1.50	-1.50	-0.40	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15		
85	4.55	-10.84	-11.07	-4.22	-3.06	-2.33	-2.58	-2.26	-0.93	0.13	1.95	1.70	1.81	1.80	1.85	1.84	1.85	0.94	0.08	-0.64	-2.72	-2.62	-3.53	-4.77	-4.54	-6.64	-4.00	-7.79	-8.81	-10.86	-9.83	-10.51	-12.64	-16.75	-20.36	-25.95	-28.01	
90	4.55	-7.46	-4.06	-2.75	0.83	0.39	-0.60	-1.11	-0.55	0.80	1.15	2.12	2.35	2.40	2.55	2.44	2.14	1.57	0.85	-0.48	-1.58	-2.46	-3.37	-4.25	-4.96	-5.64	-5.58	-6.11	-6.93	-10.48	-10.84	-12.82	-15.50	-20.31	-24.05	-28.01		
95	4.55	-7.10	-3.55	-4.40	0.74	0.26	-0.80	-1.11	-0.32	0.82	1.84	2.29	2.62	2.94	2.95	2.62	2.17	1.65	0.83	-0.36	-1.62	-2.74	-3.81	-4.13	-5.88	-4.40	-7.16	-8.41	-10.14	-10.88	-10.82	-11.18	-12.58	-15.58	-19.54	-24.08	-28.01	
100	4.55	-6.76	-3.15	-4.10	0.71	-0.48	-1.73	-1.26	-0.27	1.80	1.80	2.14	2.46	2.93	2.91	2.29	1.78	1.11	0.40	-0.58	-1.84	-3.07	-4.45	-4.88	-7.15	-7.53	-8.86	-10.10	-11.57	-11.84	-11.86	-12.56	-14.68	-18.75	-23.44	-28.01		
105	4.55	-6.85	-2.85	-4.06	0.57	-0.46	-1.73	-1.62	-0.38	1.88	1.82	1.74	1.85	2.40	2.38	1.88	1.22	0.75	0.35	0.00	-0.77	-2.72	-2.75	-3.82	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	-5.25	
110	4.55	-6.28	-2.65	-4.04	0.32	-1.05	-2.36	-2.07	-0.68	0.84	1.84	1.32	1.10	1.60	1.73	1.14	0.51	0.32	-0.20	-1.19	-0.76	-1.58	-2.68	-3.94	-5.26	-7.06	-7.26	-7.74	-9.11	-11.23	-11.40	-11.40	-12.78	-16.38	-17.36	-22.08	-28.01	
115	4.55	-6.08	-2.54	-4.11	0.01	-1.88	-3.06	-2.55	-1.08	0.84	1.44	1.08	0.65	0.87	1.48	1.14	1.26	1.00	0.84	0.52	-0.09	-0.62	-1.71	-3.19	-4.54	-6.34	-6.78	-7.06	-8.17	-10.28	-12.64	-13.88	-16.82	-13.32	-16.48	-21.57	-28.01	
120	4.55	-5.93	-2.51	-4.26	-0.30	-2.31	-2.70	-2.36	-1.52	0.17	1.11	0.68	0.13	1.61	1.86	1.80	1.68	1.11	0.54	-0.04	-0.71	-1.81	-3.40	-5.10	-6.15	-6.28	-6.35	-7.22	-8.60	-11.44	-13.52	-14.81	-17.03	-19.54	-21.04	-28.01		
125	4.55	-5.86	-2.38	-4.10	-0.36	-2.36	-2.81	-2.34	-1.52	0.21	0.16	0.68	0.13	1.61	1.86	1.80	1.68	1.11	0.54	-0.04	-0.71	-1.81	-3.40	-5.10	-6.15	-6.28	-6.35	-7.22	-8.60	-11.44	-13.52	-14.81	-17.03	-19.54	-21.04	-28.01		
130	4.55	-5.72	-2.69	-4.76	-1.13	-3.42	-4.07	-3.64	-2.00	-1.58	0.07	0.54	-0.84	1.22	1.58	1.80	1.71	1.16	0.16	-0.88	-1.90	-3.86	-4.26	-5.41	-6.86	-7.58	-7.44	-8.56	-10.76	-12.54	-14.44	-16.54	-19.04	-21.54	-23.04	-28.01		
135	4.55	-5.68	-2.80	-4.10	-1.53	-3.81	-5.11	-4.28	-3.52	-2.41	-1.07	0.17	0.24	-0.46	1.06	1.40	1.21	0.60	-0.27	-1.21	-1.16	-3.31	-4.57	-6.29	-5.34	-6.24	-5.88	-5.01	-6.41	-8.02	-10.86	-12.77	-12.71	-14.82	-18.05	-20.81	-28.01	
140	4.55	-5.62	-3.13	-3.15	-1.54	-4.11	-5.61	-5.24	-4.08	-3.06	-2.72	-1.56	-0.48	0.60	1.27	1.39	1.02	0.39	-0.25	-0.46	-1.62	-2.74	-3.80	-4.27	-5.30	-4.40	-4.88	-5.39	-6.40	-8.73	-11.79	-12.77	-12.78	-14.75	-19.53	-20.81	-28.01	
145	4.55	-5.68	-3.14	-3.98	-2.30	-4.08	-4.08	-4.48	-3.48	-2.81	-2.07	-1.59	-0.77	1.12	1.37	1.42	1.37	0.84	-0.27	-0.64	-1.73	-2.72	-3.52	-4.20	-4.95	-5.28	-5.71	-6.63	-8.40	-11.40	-12.82	-12.82	-14.88	-19.88	-20.81	-28.01		
150	4.55	-5.68	-3.14	-3.98	-2.30	-4.08	-4.08	-4.48	-3.48	-2.81	-2.07	-1.59	-0.77	1.12	1.37	1.42	1.37	0.84	-0.27	-0.64	-1.73	-2.72	-3.52	-4.20	-4.95	-5.28	-5.71	-6.63	-8.40	-11.40	-12.82	-12.82	-14.88	-19.88	-20.81	-28.01		
155	4.55	-5.57	-4.13	-4.11	-3.40	-4.90	-4.48	-4.78	-3.67	-3.00	-2.40	-1.93	-1.12	-0.58	2.29	2.64	1.17	0.57	0.74	-0.17	-0.83	-1.69	-2.88	-4.08	-4.71	-6.53	-7.06	-7.13	-8.78	-11.78	-14.38	-14.38	-16.48	-19.17	-20.81	-28.01		
160	4.55	-5.55	-4.48	-3.74	-4.02	-5.18	-4.27	-4.44	-3.56	-3.96	-2.97	-3.19	-1.65	-0.83	0.95	2.72	1.32	3.13	2.58	1.84	-0.92	-0.86	-0.82	-1.07	-3.28	-4.48	-4.30	-6.00	-7.77	-9.58	-11.51	-13.68	-13.61	-16.44	-19.17	-20.81		
165	4.55	-5.55	-4.79	-3.46	-4.07	-5.51	-4.97	-5.65	-4.72	-4.08	-3.52	-3.19	-2.12	-1.08	0.95	2.68	1.23	3.10	2.55	1.77	0.81	-0.21	-1.20	-2.27	-3.44	-5.21	-4.40	-6.68	-8.48	-								

Regulatory WIFI Antenna Information 64/98

Threat Actor	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Threat Actor	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	
5	-5.10	-5.14	-4.05	-2.25	-0.41	0.81	1.40	1.21	0.40	-0.81	-1.68	-2.34	-2.87	-3.50	-4.26	-5.10	-5.53	-6.11	-6.48	-7.17	-8.01	-8.24	-8.55	-8.74	-9.01	-9.25	-9.46	-9.61	-9.86	-10.17	-10.48	-10.73	-10.94	-11.23	-11.48	-11.65		
5	-5.10	-5.25	-4.25	-2.48	-0.82	0.86	1.68	1.58	0.71	-0.52	-1.40	-2.12	-2.63	-3.26	-4.14	-3.74	-4.48	-4.38	-4.19	-3.84	-3.14	-2.82	-3.11	-3.37	-3.49	-3.67	-3.81	-3.94	-4.07	-4.21	-4.34	-4.47	-4.59	-4.68	-4.75	-4.81	-4.85	
10	-5.10	-5.36	-4.54	-2.74	-0.97	0.80	1.87	1.93	1.07	-0.24	-1.07	-1.80	-2.42	-2.84	-3.33	-3.68	-4.00	-3.85	-4.04	-3.86	-3.40	-2.82	-2.04	-1.60	-1.23	-1.07	-1.14	-1.27	-1.37	-1.47	-1.57	-1.66	-1.74	-1.80	-1.84	-1.88	-1.91	-1.93
15	-5.10	-5.45	-4.75	-2.98	-0.94	0.86	2.02	2.25	1.49	0.14	-0.83	-0.88	-0.98	-1.95	-2.68	-3.25	-3.67	-4.07	-3.97	-4.52	-4.81	-3.80	-3.04	-2.44	-1.98	-1.64	-1.54	-1.68	-1.80	-1.87	-1.95	-2.00	-2.08	-2.13	-2.21	-2.26	-2.30	
20	-5.10	-5.45	-4.75	-2.98	-0.94	0.86	2.21	2.44	1.71	0.41	-0.30	-0.34	-0.44	-1.41	-2.14	-2.71	-3.13	-3.54	-3.44	-4.00	-4.29	-3.28	-2.52	-1.92	-1.46	-1.12	-1.02	-1.16	-1.28	-1.35	-1.43	-1.48	-1.54	-1.59	-1.64	-1.68	-1.71	-1.73
25	-5.10	-5.50	-5.07	-3.27	-1.27	0.68	2.13	2.37	2.40	1.38	0.09	-0.11	-0.35	-1.41	-2.75	-3.50	-3.98	-4.41	-4.77	-5.65	-5.99	-5.01	-4.18	-3.72	-3.10	-2.68	-2.37	-2.27	-2.37	-2.44	-2.52	-2.58	-2.62	-2.67	-2.70	-2.73	-2.76	
30	-5.10	-5.48	-5.15	-3.50	-1.48	0.54	2.10	2.34	2.82	1.75	0.40	0.07	-0.10	-0.92	-1.70	-3.38	-4.62	-5.40	-6.74	-6.55	-4.35	-3.45	-2.85	-2.25	-1.83	-1.48	-1.28	-1.33	-1.44	-1.54	-1.62	-1.68	-1.73	-1.78	-1.82	-1.86	-1.89	
35	-5.10	-5.47	-5.16	-3.55	-1.50	0.41	2.02	3.03	3.13	2.22	0.84	0.15	0.08	-0.41	-1.48	-2.68	-3.72	-4.30	-4.43	-4.95	-6.28	-7.62	-8.31	-8.67	-9.05	-9.43	-9.73	-10.31	-10.43	-10.31	-10.24	-10.34	-10.44	-10.54	-10.64	-10.74	-10.84	
40	-5.10	-5.47	-5.11	-3.55	-1.50	0.31	1.91	3.03	3.30	2.51	1.03	0.04	-0.01	-0.18	-1.00	-2.20	-3.34	-4.46	-4.54	-4.81	-6.07	-7.40	-8.40	-8.87	-9.25	-9.62	-10.08	-10.28	-10.19	-10.32	-10.47	-10.65	-10.85	-11.07	-11.29	-11.53	-11.78	
45	-5.10	-5.47	-5.12	-3.56	-1.50	0.30	1.78	3.10	3.36	2.61	1.04	0.04	-0.01	-0.18	-1.00	-2.20	-3.34	-4.46	-4.54	-4.81	-6.07	-7.40	-8.40	-8.87	-9.25	-9.62	-10.08	-10.28	-10.19	-10.32	-10.47	-10.65	-10.85	-11.07	-11.29	-11.53	-11.78	
50	-5.10	-5.24	-4.82	-3.25	-1.34	0.28	1.68	2.74	3.11</																													

5925 Theta Angle		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
Phi Angle	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	Response	
0	-3.77	-4.63	-4.58	-3.93	-4.17	1.18	2.04	1.77	0.74	-0.23	-0.89	-1.42	-2.28	-3.20	-3.86	-4.02	-4.86	-6.00	-7.22	-8.20	-8.97	-9.50	-9.84	-9.97	-10.00	-9.93	-9.76	-9.50	-9.25	-8.99	-8.74	-8.49	-8.24	-7.99	-7.74	-7.49	-7.24	-6.99	-6.74
5	-3.77	-4.64	-4.78	-3.22	-4.30	1.07	2.14	2.00	1.15	0.18	-0.28	-0.85	-1.51	-2.07	-3.10	-4.06	-5.17	-6.33	-7.18	-8.31	-9.14	-9.74	-10.00	-10.00	-9.93	-9.76	-9.50	-9.25	-8.99	-8.74	-8.49	-8.24	-7.99	-7.74	-7.49	-7.24	-6.99	-6.74	
10	-3.77	-4.64	-4.78	-3.22	-4.30	1.07	2.14	2.00	1.15	0.18	-0.28	-0.85	-1.51	-2.07	-3.10	-4.06	-5.17	-6.33	-7.18	-8.31	-9.14	-9.74	-10.00	-10.00	-9.93	-9.76	-9.50	-9.25	-8.99	-8.74	-8.49	-8.24	-7.99	-7.74	-7.49	-7.24	-6.99	-6.74	
15	-3.77	-4.64	-4.78	-3.22	-4.30	1.07	2.14	2.00	1.15	0.18	-0.28	-0.85	-1.51	-2.07	-3.10	-4.06	-5.17	-6.33	-7.18	-8.31	-9.14	-9.74	-10.00	-10.00	-9.93	-9.76	-9.50	-9.25	-8.99	-8.74	-8.49	-8.24	-7.99	-7.74	-7.49	-7.24	-6.99	-6.74	
20	-3.77	-4.65	-5.09	-3.86	-4.17	0.83	2.24	2.01	1.29	1.10	0.61	-0.02	-0.63	-1.25	-3.30	-4.04	-4.38	-4.79	-5.70	-7.08	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	-10.18	
25	-3.77	-4.64	-5.08	-4.11	-3.80	0.42	2.17	2.96	2.65	1.55	0.73	0.68	0.24	-1.12	-2.55	-3.18	-3.54	-3.85	-3.78	-4.32	-4.51	-4.82	-4.93	-4.18	-3.74	-3.56	-3.76	-3.82	-4.23	-4.64	-5.05	-5.46	-5.87	-6.28	-6.69	-7.10	-7.51	-7.92	-8.33
30	-3.77	-4.59	-5.01	-4.18	-2.88	0.21	2.05	3.04	2.95	1.94	0.89	0.68	0.46	-0.49	-1.75	-2.53	-3.11	-3.37	-3.25	-3.77	-4.72	-4.23	-4.32	-3.58	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	
35	-3.77	-4.27	-4.86	-4.04	-2.14	0.66	1.97	3.01	2.96	1.86	0.82	0.61	0.45	-0.81	-1.65	-2.30	-2.81	-3.01	-3.30	-3.47	-3.84	-4.50	-4.23	-4.23	-3.58	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48		
40	-3.77	-4.15	-4.65	-4.04	-1.54	-0.06	1.78	3.01	2.95	1.90	0.86	0.62	0.50	-0.24	-0.64	-1.12	-1.40	-1.57	-1.89	-2.62	-3.47	-4.23	-4.23	-4.23	-3.58	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48		
45	-3.77	-4.00	-4.38	-3.73	-1.86	-0.02	1.70	2.94	3.31	2.32	1.05	0.76	0.64	-0.03	-0.06	-0.74	-1.20	-1.51	-1.47	-2.35	-3.47	-4.23	-4.23	-4.23	-3.58	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48		
50	-3.77	-3.86	-4.00	-3.38	-1.93	0.13	1.70	2.64	3.22	2.58	1.06	0.72	0.67	-0.04	-0.84	-1.23	-2.22	-2.70	-2.99	-4.08	-4.40	-4.75	-4.58	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
55	-3.77	-3.76	-3.86	-3.28	-2.00	0.37	1.73	2.70	3.20	2.80	1.05	0.78	0.71	-0.21	-0.81	-1.29	-2.40	-2.78	-3.10	-4.00	-4.26	-4.60	-4.26	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
60	-3.77	-3.54	-3.41	-2.53	-2.43	0.63	1.61	2.44	2.55	1.77	0.91	0.80	0.86	-0.20	-0.37	-1.75	-3.10	-2.52	-3.81	-4.38	-4.58	-4.68	-4.68	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
65	-3.77	-3.38	-3.07	-1.12	-2.57	0.80	1.65	2.00	1.79	0.87	-0.76	-0.78	-0.88	-0.55	-1.08	-0.73	-1.38	-2.00	-2.47	-3.89	-4.27	-4.54	-4.54	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
70	-3.77	-3.22	-2.74	-0.74	-2.28	0.89	1.43	1.33	0.67	-0.48	-1.44	-1.56	-1.19	-1.19	-1.14	0.36	-1.11	-1.27	-2.25	-3.18	-4.12	-4.57	-4.70	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
75	-3.77	-3.07	-2.44	-0.41	-0.87	0.80	1.07	0.45	-0.08	-2.27	-3.12	-2.07	-1.93	-0.47	0.85	1.26	1.80	-0.20	-1.38	-2.15	-3.44	-4.50	-4.82	-4.85	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48				
80	-3.77	-2.90	-2.17	-0.14	0.06	0.77	0.67	0.16	-0.79	-2.54	-3.28	-2.14	-0.61	1.12	1.74	1.40	0.31	-0.94	-1.50	-2.34	-3.51	-4.74	-4.80	-4.80	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48				
85	-3.77	-2.66	-1.90	-0.30	-0.93	0.88	0.58	0.12	-1.40	-0.70	-2.40	-2.05	-1.12	0.02	1.81	1.31	0.10	-1.34	-2.40	-3.82	-4.71	-4.75	-4.75	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48					
90	-3.77	-2.68	-1.72	-0.78	0.07	0.35	0.32	-0.06	-0.43	-0.25	-2.54	-2.77	-1.14	-0.35	0.31	0.84	-0.80	-0.85	-2.93	-3.51	-4.11	-4.68	-4.34	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48					
95	-3.77	-2.58	-1.56	-0.67	0.01	0.11	0.64	-0.28	-0.38	-0.58	-4.47	-2.46	-1.19	-0.34	-0.88	-0.60	-1.07	-2.70	-4.08	-4.32	-4.68	-4.32	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48				
100	-3.77	-2.51	-1.42	-0.61	-0.88	-0.10	-0.88	-0.14	-0.68	-0.26	-4.05	-2.18	-1.38	-0.79	-2.25	-2.34	-2.11	-3.50	-4.31	-4.68	-4.32	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48					
105	-3.77	-2.44	-1.35	-0.57	-0.38	-0.24	-0.79	-1.22	-0.27	-0.18	-3.83	-1.07	-0.07	-0.81	-0.88	-0.55	-2.27	-3.64	-4.10	-4.10	-4.10	-4.10	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48				
110	-3.77	-2.38	-1.25	-0.57	-0.27	-0.32	-0.63	-1.17	-1.47	-0.48	-0.46	-0.90	-0.30	-1.22	-0.86	-0.70	-4.12	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00	-4.00				
115	-3.77	-2.36	-1.21	-0.58	-0.34	-0.32	-0.38	-0.58	-0.78	-0.46	-0.32	-0.84	0.10	0.72	-0.47	-1.11	-2.38	-4.45	-4.35	-4.28	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08			
120	-3.77	-2.34	-1.20	-0.58	-0.28	-0.08	-0.03	-0.06	-0.32	1.05	1.55	1.61	1.38	0.99	0.40	0.72	-2.38	-4.34	-4.13	-4.22	-4.08	-4.73	-4.74	-4.25	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48				
125	-3.77	-2.28	-1.16	-0.48	-0.28	-0.08	-0.03	-0.06	-0.32	1.05	1.55	1.61	1.38	0.99	0.40	0.72	-2.38	-4.34	-4.13	-4.22	-4.08	-4.73	-4.74	-4.25	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48				
130	-3.77	-2.20	-1.07	-0.47	-0.48	-0.10	0.48	0.89	1.11	1.48	1.90	2.41	2.59	2.58	2.32	1.79	-0.98	-4.46	-4.52	-4.31	-4.22	-4.08	-4.73	-4.74	-4.25	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
135	-3.77	-2.41	-1.36	-0.40	-0.53	-0.07	0.65	1.23	1.59	1.86	2.32	2.55	2.56	2.41	2.05	1.40	0.37	-0.89	-0.24	-3.00	-4.37	-5.07	-5.30	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
140	-3.77	-2.47	-1.46	-0.30	-0.43	-0.12	-0.68	1.42	1.96	2.38	2.61	2.54	2.24	1.79	1.13	0.35	-0.82	-2.15	-3.36	-4.04	-4.74	-5.62	-6.02	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
145	-3.77	-2.55	-1.41	-0.30	-0.40	-0.28	-0.68	1.40	2.12	2.68	2.70	2.48	1.88	0.81	0.11	-0.25	-3.54	-4.47	-5.52	-6.40	-6.92	-7.08	-6.48	-4.89	-4.72	-4.28	-4.28	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08			
150	-3.77	-2.64	-1.40	-0.05	-0.28	-0.14	-0.20	2.48	2.75	2.11	2.88	2.47	1.88	0.81	0.11	-0.25	-3.54	-4.47	-5.52	-6.40	-6.92	-7.08	-6.48	-4.89	-4.72	-4.28	-4.28	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08			
155	-3.77	-2.74	-2.02	-1.58	-1.34	-0.44	-0.22	0.64	1.58	2.33	2.41	1.64	0.99	-0.63	-1.22	-1.73	-2.17	-2.25	-2.68	-3.75	-4.52	-5.30	-4.37	-4.79	-4.79	-4.28	-4.28	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08	-4.08			
160	-3.77	-2.86	-2.08	-1.82	-1.71	-1.41	-0.82	-0.04	-0.33	1.75	1.85	1.12	0.12	-0.33	-0.48	-0.96	-0.90	-1.15	-1.88	-2.32	-3.79	-4.50	-5.38	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
165	-3.77	-2.89	-2.07	-2.30	-2.13	-1.90	-1.44	-0.74	-0.24	1.14	1.38	0.86	0.34	-0.37	-0.46	-0.15	-0.45	-0.68	-1.08	-3.04	-3.96	-4.63	-5.46	-4.40	-4.23	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48	-3.12	-3.48			
170	-3.77	-2.87	-2.06	-2.10	-2.06	-2.02	-1.77	-0.66	-1.11	0.64	0.33	0.16	-0.25	-0.48	-0.36	-0.10	-0.48	-0.54	-0.84	-1.44	-2.36	-3.14	-3.84	-4.48	-4.54	-4.00	-3.73	-3.48	-3.12	-3.48	-3.12								

Doc.No:3.8.05 Rev

7125 Theta(Angle)		0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Phi(Angle)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)
0	-7.25	-4.91	-3.13	-2.21	-1.15	1.25	0.84	0.97	1.34	1.03	-0.01	-1.22	-2.57	-4.65	-4.93	-3.94	-2.88	-1.68	-1.10	-0.31	-0.30	-4.91	-9.40	-10.05	-10.18	-12.58	-14.83	-15.51	-11.70	-11.68	-13.89	-15.93	-15.52	-15.67	-17.58	-21.17	-28.18	
5	-7.25	-4.82	-3.09	-2.25	-1.12	1.21	0.65	0.97	1.02	1.07	-0.07	-1.14	-2.51	-4.16	-4.11	-3.56	-2.47	-1.65	-0.60	-0.47	-3.62	-9.48	-10.16	-10.30	-12.74	-14.22	-13.52	-12.44	-15.45	-16.89	-16.24	-16.05	-16.96	-19.04	-24.18			
10	-7.25	-4.75	-3.00	-2.16	-1.07	1.24	0.61	0.97	1.00	1.03	-0.06	-1.09	-2.47	-4.0	-4.20	-3.49	-2.40	-1.57	-0.46	-0.34	-3.49	-9.42	-10.12	-10.26	-12.68	-14.16	-13.46	-12.38	-15.39	-16.83	-16.18	-16.00	-16.91	-19.00	-24.14			
15	-7.25	-4.68	-3.15	-2.40	-0.98	1.31	0.88	0.54	0.74	1.03	1.03	-0.07	-0.32	-1.19	-3.48	-2.47	-1.58	-0.57	-0.38	-0.43	-3.15	-9.35	-10.27	-10.04	-12.55	-12.88	-12.44	-11.35	-15.42	-17.35	-16.54	-15.43	-16.46	-19.03	-24.10			
20	-7.25	-4.48	-3.23	-2.70	0.84	1.40	1.21	0.88	0.89	1.08	1.12	0.75	-0.37	-2.41	-4.55	-3.55	-2.02	-1.01	-0.51	-0.44	-2.88	-9.41	-10.11	-9.44	-11.32	-12.44	-12.44	-11.24	-13.44	-14.22	-15.42	-15.30	-15.42	-15.90	-19.71	-28.18		
25	-7.25	-4.46	-3.35	-4.95	-0.84	1.46	1.56	1.32	1.17	1.22	1.38	0.88	-0.16	-3.45	-5.31	-4.56	-3.48	-2.00	-1.00	-0.80	-2.44	-9.33	-10.45	-10.46	-12.33	-12.44	-12.44	-11.04	-13.23	-14.55	-14.30	-15.42	-15.84	-15.92	-19.71	-28.18		
30	-7.25	-4.33	-3.48	-2.24	0.43	1.48	1.66	1.75	1.49	1.37	1.49	1.44	0.55	-1.31	-3.55	-4.46	-3.74	-2.54	-2.52	-2.40	-2.49	-10.24	-9.99	-10.19	-13.31	-11.77	-10.32	-9.80	-13.28	-14.00	-15.12	-15.44	-15.12	-15.94	-19.82	-28.18		
35	-7.25	-4.27	-3.82	-3.12	-0.47	2.10	2.12	2.27	1.94	1.82	1.79	1.15	-0.41	-2.30	-2.77	-3.98	-2.40	-1.80	-1.40	-1.40	-2.41	-10.41	-9.40	-10.11	-14.46	-12.41	-11.46	-10.41	-13.46	-12.41	-14.22	-15.42	-15.42	-19.82	-24.14			
40	-7.25	-4.22	-3.73	-3.84	-1.40	2.26	2.41	1.99	1.40	1.28	1.56	1.23	-0.26	-2.40	-3.44	-3.68	-3.18	-2.57	-2.52	-2.40	-2.41	-10.48	-10.31	-9.78	-13.52	-12.47	-11.52	-10.48	-13.48	-14.78	-14.28	-15.42	-15.42	-19.78	-24.14			
45	-7.25	-4.17	-3.83	-4.08	-0.37	1.28	2.32	2.59	2.15	1.27	0.76	0.94	-0.72	-0.65	-2.74	-4.00	-4.22	-3.79	-3.15	-3.27	-4.00	-9.75	-9.73	-10.40	-12.82	-12.12	-12.85	-10.40	-12.80	-12.27	-13.44	-13.01	-17.72	-16.48	-19.81	-28.18		
50	-7.25	-4.12	-3.90	-2.29	-0.42	1.11	2.29	2.67	2.22	1.70	0.82	0.10	-0.29	-1.55	-3.46	-4.61	-4.48	-4.24	-3.40	-4.41	-4.85	-9.74	-9.72	-10.42	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
55	-7.25	-4.06	-3.86	-2.40	-0.38	1.12	2.18	2.61	2.12	1.61	0.81	-0.76	-1.13	-2.70	-3.48	-4.41	-4.16	-3.97	-3.40	-4.16	-4.78	-9.73	-9.71	-10.41	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
60	-7.25	-4.04	-3.87	-2.44	-0.34	0.68	1.50	2.41	2.01	0.54	-1.57	-2.68	-3.80	-3.85	-4.58	-4.73	-4.48	-3.95	-4.40	-5.32	-5.76	-10.45	-10.45	-10.45	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
65	-7.25	-4.01	-3.80	-2.40	-0.30	0.46	1.57	2.07	1.68	0.13	-1.29	-3.79	-4.17	-4.85	-4.58	-4.38	-4.83	-4.88	-3.15	-4.48	-5.28	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
70	-7.25	-3.97	-3.88	-2.32	-0.33	0.31	1.23	1.63	1.21	-0.42	-0.40	-4.78	-5.14	-4.58	-4.73	-3.73	-4.40	-3.80	-2.24	-1.52	-3.34	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
75	-7.25	-3.94	-3.89	-2.22	-0.80	0.20	0.86	1.16	0.82	-1.11	-0.84	-5.53	-4.03	-4.84	-4.25	-3.07	-3.13	-3.51	-2.47	-1.44	-2.73	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
80	-7.25	-3.96	-4.02	-2.11	-0.62	0.40	0.88	1.40	1.04	-1.80	-1.42	-5.78	-4.07	-5.33	-3.21	-2.07	-2.35	-1.40	-2.41	-2.40	-2.21	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
85	-7.25	-3.96	-4.07	-2.10	-0.44	0.64	1.06	0.81	-0.14	-0.24	-0.44	-6.48	-4.40	-6.45	-2.50	-1.40	-1.80	-2.71	-2.44	-2.50	-3.43	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
90	-7.25	-3.82	-4.17	-2.15	-0.32	0.94	1.44	1.16	0.14	-1.14	-1.58	-5.78	-5.24	-5.16	-3.95	-2.50	-1.34	-1.76	-2.70	-2.79	-2.79	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
95	-7.25	-3.77	-4.29	-2.29	-0.28	1.19	1.89	1.73	0.80	-0.71	-2.45	-3.84	-4.47	-3.93	-2.51	-1.67	-2.08	-3.00	-3.05	-3.01	-4.16	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
100	-7.25	-3.76	-4.42	-2.85	-0.42	1.32	2.26	2.38	1.52	0.22	-1.20	-2.72	-3.77	-3.11	-2.42	-1.76	-2.22	-3.38	-3.38	-3.38	-4.44	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
105	-7.25	-3.85	-4.55	-2.91	-0.47	1.27	2.45	2.68	2.08	0.89	-0.42	-1.86	-2.83	-2.58	-1.53	-1.72	-2.82	-4.47	-2.50	-3.76	-4.56	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
110	-7.25	-3.53	-4.64	-3.34	-1.17	1.01	2.41	2.60	2.38	1.95	-0.40	-0.85	-1.40	-1.37	-0.83	-0.40	-1.11	-2.02	-2.21	-2.48	-3.74	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
115	-7.25	-3.58	-4.85	-3.75	-1.27	0.56	2.15	2.69	2.44	1.86	1.12	0.20	-0.88	-0.84	-0.41	-0.35	-1.15	-2.22	-2.78	-4.48	-4.72	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18			
120	-7.25	-3.74	-4.65	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
125	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
130	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
135	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
140	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
145	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
150	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
155	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
160	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
165	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48	-11.84	-11.84	-11.80	-9.02	-3.34	-13.33	-12.79	-20.77	-16.48	-19.84	-28.18				
170	-7.25	-3.68	-4.58	-4.08	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.82	-1.17	-2.08	-3.34	-4.28	-5.32	-10.48	-10.48	-10.48															

[illegible]

Ant. Position : 6G Ant.6

5G25 Theta Angle Phi Angle	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180
Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)	Response (°)
5	-5.74	-5.50	-4.11	-3.71	1.18	1.57	0.86	-0.38	-1.21	-1.18	-0.34	0.67	1.78	2.76	3.34	3.40	3.20	2.94	2.37	1.45	0.24	-0.88	-1.72	-2.78	-4.25	-5.34	-6.73	-8.08	-9.34	-9.51	-9.51	-9.34	-9.42	-9.16	-8.75	-8.02	-7.16
10	-5.74	-4.96	-3.65	-4.44	1.39	1.67	1.07	0.12	-0.43	-1.18	0.14	1.78	2.68	3.40	3.89	3.95	3.78	3.38	2.68	1.58	0.15	-1.15	-2.05	-3.40	-5.23	-6.54	-8.08	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	
15	-5.74	-4.72	-3.39	-4.28	1.38	1.70	1.23	0.32	0.45	-0.81	0.81	2.58	3.38	3.85	4.11	4.07	3.86	3.31	2.40	1.30	-0.45	-1.35	-2.35	-3.88	-5.48	-6.94	-8.40	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	
20	-5.74	-5.77	-3.82	-4.02	1.32	1.65	1.33	1.05	1.15	1.12	2.39	3.52	3.86	3.94	3.78	3.40	2.81	1.88	0.58	-1.10	-2.43	-3.83	-5.48	-6.94	-8.40	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	
25	-5.74	-5.47	-4.03	-4.23	1.19	1.53	1.35	1.32	1.68	1.22	2.75	3.18	3.48	3.60	3.51	3.23	2.76	2.07	1.05	-0.24	-1.74	-2.98	-4.37	-5.84	-7.44	-8.40	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	
30	-5.74	-5.18	-4.72	-4.35	0.93	1.34	1.27	1.39	1.87	2.48	2.81	3.19	3.30	3.22	2.97	2.71	2.16	1.40	0.39	-0.83	-2.02	-3.07	-4.58	-6.45	-8.40	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	
35	-5.74	-4.96	-4.66	-4.55	0.87	1.00	1.10	1.27	1.79	2.41	2.87	3.09	3.13	3.02	2.88	2.42	1.88	0.86	0.12	-1.55	-3.11	-4.77	-6.51	-8.40	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	
40	-5.74	-4.72	-4.39	-4.28	0.38	0.81	0.76	0.83	1.03	1.42	1.87	2.10	2.14	2.02	1.88	1.42	1.08	0.41	-0.17	-1.35	-2.73	-4.37	-6.11	-8.08	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40
45	-5.74	-4.54	-4.64	-4.13	-0.13	0.36	0.56	0.64	1.11	1.18	2.38	2.67	2.74	2.69	2.58	2.30	1.86	0.57	-0.74	-1.83	-3.53	-5.37	-7.32	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40
50	-5.74	-4.38	-4.70	-4.46	-0.58	-0.40	0.19	0.30	0.73	1.47	2.00	2.30	2.40	2.41	2.39	2.20	1.55	0.36	-1.07	-2.24	-4.08	-5.94	-8.08	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40
55	-5.74	-4.21	-4.74	-4.79	-1.02	-0.37	0.44	0.07	0.43	1.05	1.56	1.79	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-4.85	-6.98	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40
60	-5.74	-4.06	-4.79	-4.72	-1.38	-1.06	0.28	0.13	0.45	1.01	1.48	1.68	1.73	1.75	1.77	1.71	1.01	-0.01	-1.81	-3.40	-5.45	-7.58	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40
65	-5.74	-3.98	-4.78	-4.78	-1.82	-1.66	-0.87	-0.02	0.00	0.82	0.33	0.19	0.08	-0.04	0.12	0.17	-0.25	-1.34	-3.61	-5.65	-7.85	-9.44	-9.68	-9.44	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40	-9.40
70	-5.74	-3.84	-4.70	-4.40	-2.41	-2.00	0.05	-0.02	-0.31	-0.38	-0.50	-0.82	-1.15	-1.27	-1.18	-0.88	-1.20	-2.07	-3.64	-6.01	-8.26	-10.47	-12.88	-15.40	-18.00	-20.60	-23.20	-25.80	-28.40	-31.00	-33.60	-36.20	-38.80	-41.40	-44.00	-46.60	-49.20
75	-5.74	-3.74	-4.75	-4.44	-2.71	-2.41	-0.48	0.17	0.08	-0.78	-1.18	-1.51	-1.82	-2.27	-2.38	-2.22	-2.00	-2.26	-2.85	-3.53	-4.77	-6.45	-8.25	-10.47	-12.88	-15.40	-18.00	-20.60	-23.20	-25.80	-28.40	-31.00	-33.60	-36.20	-38.80	-41.40	-44.00
80	-5.74	-3.65	-4.78	-4.42	-2.85	-2.40	-0.22	-0.25	-0.34	-2.19	-2.48	-3.18	-3.54	-4.09	-4.05	-3.89	-3.07	-4.47	-6.05	-8.07	-10.47	-12.88	-15.40	-18.00	-20.60	-23.20	-25.80	-28.40	-31.00	-33.60	-36.20	-38.80	-41.40	-44.00	-46.60	-49.20	-51.80
85	-5.74	-3.58	-4.78	-4.38	-2.88	-2.48	-0.42	-0.47	-0.82	-2.40	-2.78	-3.48	-3.84	-4.31	-4.27	-4.08	-3.21	-4.61	-6.39	-8.40	-10.47	-12.88	-15.40	-18.00	-20.60	-23.20	-25.80	-28.40	-31.00	-33.60	-36.20	-38.80	-41.40	-44.00	-46.60	-49.20	-51.80
90	-5.74	-3.46	-4.96	-4.32	-3.10	-2.68	-0.12	-0.67	-1.16	-2.63	-3.43	-4.02	-4.57	-4.93	-4.75	-4.52	-3.71	-5.02	-6.78	-8.80	-10.84	-12.88	-15.40	-18.00	-20.60	-23.20	-25.80	-28.40	-31.00	-33.60	-36.20	-38.80	-41.40	-44.00	-46.60	-49.20	-51.80
95	-5.74	-3.40	-4.94	-4.24	-3.17	-2.83	-0.43	-0.27	-0.48	-1.54	-2.77	-3.51	-3.88	-4.40	-4.32	-4.15	-3.24	-4.06	-5.74	-7.68	-9.68	-11.68	-13.68	-15.68	-17.68	-19.68	-21.68	-23.68	-25.68	-27.68	-29.68	-31.68	-33.68	-35.68	-37.68	-39.68	-41.68
100	-5.74	-3.37	-4.93	-4.40	-2.93	-2.42	-0.10	-0.32	-0.48	-1.28	-2.10	-2.72	-3.08	-3.62	-3.51	-3.36	-2.65	-3.03	-4.47	-6.48	-8.48	-10.48	-12.48	-14.48	-16.48	-18.48	-20.48	-22.48	-24.48	-26.48	-28.48	-30.48	-32.48	-34.48	-36.48	-38.48	-40.48
105	-5.74	-3.36	-4.96	-4.35	-2.98	-2.46	-0.46	-0.24	-0.62	-1.40	-2.01	-2.62	-2.98	-3.52	-3.41	-3.26	-2.56	-3.06	-4.51	-6.52	-8.52	-10.52	-12.52	-14.52	-16.52	-18.52	-20.52	-22.52	-24.52	-26.52	-28.52	-30.52	-32.52	-34.52	-36.52	-38.52	-40.52
110	-5.74	-3.34	-4.98	-4.65	-2.81	-2.65	-0.65	-0.05	0.29	1.38	1.86	2.16	2.46	2.66	2.66	2.66	2.06	1.86	3.31	-1.27	-3.28	-5.28	-7.28	-9.28	-11.28	-13.28	-15.28	-17.28	-19.28	-21.28	-23.28	-25.28	-27.28	-29.28	-31.28	-33.28	-35.28
115	-5.74	-3.34	-4.63	-4.79	-2.81	-2.70	0.19	1.00	0.85	2.73	2.29	1.75	1.32	0.86	0.68	0.40	0.12	-0.03	-2.31	-3.32	-5.32	-7.32	-9.32	-11.32	-13.32	-15.32	-17.32	-19.32	-21.32	-23.32	-25.32	-27.32	-29.32	-31.32	-33.32	-35.32	-37.32
120	-5.74	-3.34	-4.68	-4.82	-2.88	-2.88	-0.58	0.42	2.07	2.92	2.96	2.94	1.94	1.48	1.01	0.66	0.16	-0.40	-2.48	-3.49	-5.49	-7.49	-9.49	-11.49	-13.49	-15.49	-17.49	-19.49	-21.49	-23.49	-25.49	-27.49	-29.49	-31.49	-33.49	-35.49	-37.49
125	-5.74	-3.34	-4.70	-4.88	-2.98	-2.98	-0.58	0.42	2.13	2.96	2.96	2.96	1.96	1.46	1.04	0.74	0.24	-0.40	-2.54	-3.55	-5.55	-7.55	-9.55	-11.55	-13.55	-15.55	-17.55	-19.55	-21.55	-23.55	-25.55	-27.55	-29.55	-31.55	-33.55	-35.55	-37.55
130	-5.74	-3.38	-4.80	-4.88	-2.98	-3.04	-0.62	0.02	0.85	2.04	2.32	1.79	0.79	-0.88	-0.80	-1.70	-1.38	-1.13	-0.46	-3.80	-5.80	-7.80	-9.80	-11.80	-13.80	-15.80	-17.80	-19.80	-21.80	-23.80	-25.80	-27.80	-29.80	-31.80	-33.80	-35.80	-37.80
135	-5.74	-3.42	-4.86	-4.82	-2.40	-2.40	-0.81	-1.11	1.90	1.87	0.93	-0.43	-1.28	-2.04	-2.05	-2.28	-1.44	-0.25	-0.87	-3.90	-5.97	-7.97	-9.97	-11.97	-13.97	-15.97	-17.97	-19.97	-21.97	-23.97	-25.97	-27.97	-29.97	-31.97	-33.97	-35.97	-37.97
140	-5.74	-3.46	-4.88	-4.84	-2.88	-2.88	-0.40	-0.28	1.39	2.03	2.05	0.85	0.48	-0.40	-0.72	-2.34	-2.63	-1.88	-0.45	-4.28	-6.28	-8.28	-10.28	-12.28	-14.28	-16.28	-18.28	-20.28	-22.28	-24.28	-26.28	-28.28	-30.28	-32.28	-34.28	-36.28	-38.28
145	-5.74	-3.50	-4.92	-4.88	-2.97	-2.97	0.14	-0.85	2.18	1.78	1.03	-0.75	-1.58	-2.22	-2.56	-2.87	-1.83	-0.88	-3.65	-5.65	-7.65	-9.65	-11.65	-13.65	-15.65	-17.65	-19.65	-21.65	-23.65	-25.65	-27.65	-29.65	-31.65	-33.65	-35.65	-37.65	-39.65
150	-5.74	-3.55	-4.98	-4.88	-2.98	-2.98	0.14	-0.78	1.79	1.38	1.04	-0.74	-1.58	-2.22	-2.56	-2.87	-1.83	-0.88	-3.65	-5.65	-7.65	-9.65	-11.65	-13.65	-15.65	-17.65	-19.65	-21.65	-23.65	-25.65	-27.65	-29.65	-31.65	-33.65	-35.65	-37.65	-39.65
155	-5.74	-3.61	-4.98	-4.92	-2.95	-3.34	0.42	-1.75	2.23	1.84	0.83	-0.44	-1.87	-2.90	-3.40	-4.21	-2.24	-1.23	-3.82	-5.82	-7.82	-9.82	-11.82	-13.82	-15.82	-17.82	-19.82	-21.82	-23.82	-25.82	-27.82	-29.82	-31.82	-33.82	-35.82	-37.82	-39.82
160	-5.74	-3.67	-4.92	-4.84	-2.88	-2.88	-0.40	-1.28	1.46	1.88	1.54	0.56	-0.88	-2.51	-3.48	-4.27	-3.49	-2.28	-4.30	-6.28	-8.28	-10.28	-12.28	-14.28	-16.28	-18.28	-20.28	-22.28	-24.28	-26.28	-28.28	-30.28	-32.28	-34.28	-36.28	-38.28	-40.28
165	-5.74	-3.73	-4.91	-4.95	-2.95	-2.95	-0.40	-0.88	1.22	1.88	1.41	-1.14	-3.02	-4.65	-5.95	-6.95	-4.11	-2.88	-4.40	-6.40	-8.40	-10.40	-12.40	-14.40	-16.40	-18.40	-20.40	-22.40	-24.40	-26.40	-28.40	-30.40	-32.40	-34.40	-36.40	-38.40	-40.40
170	-5.74	-3.80	-4.91	-4.91	-2.95	-2																															