

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

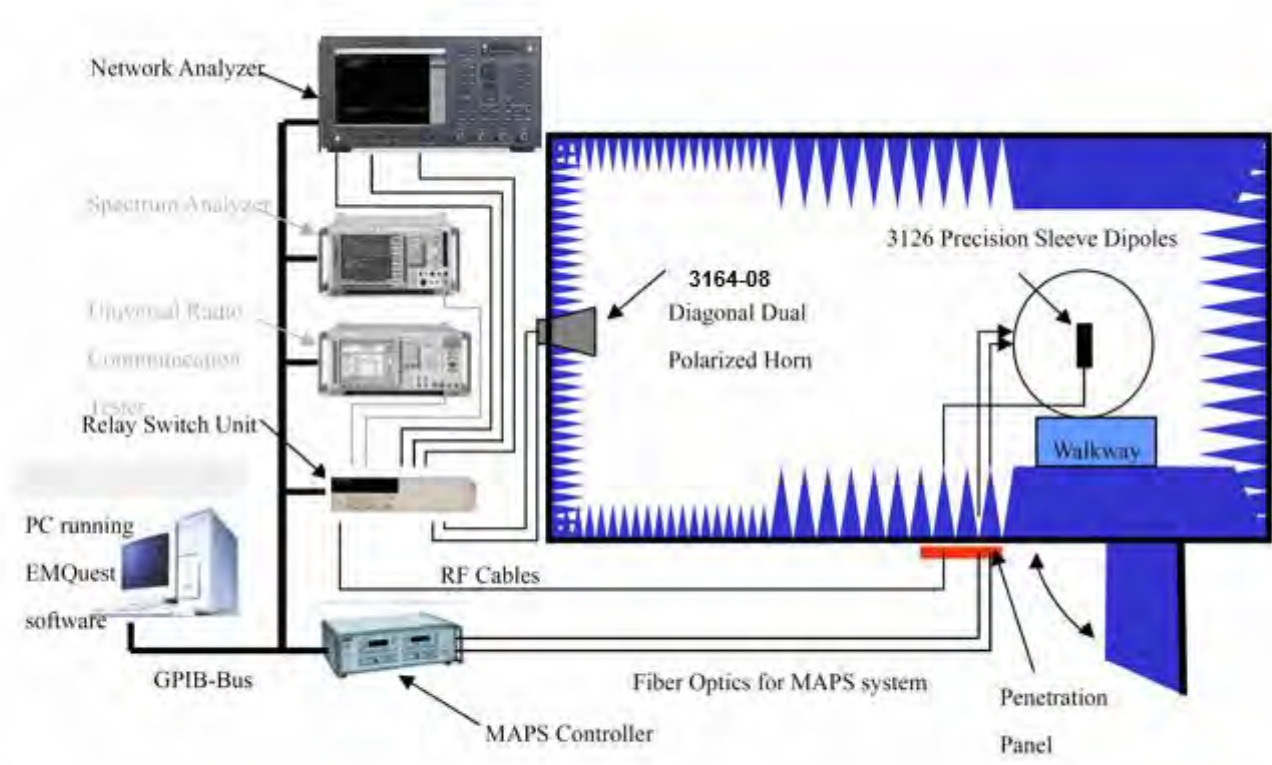
Band (MHz)	Test Frequency (MHz)
1165-1185	1176
1560-1590	1575
2401-2423	2401
2441-2463	2452
2473-2484	2484
5150-5250	5150
5470-5725	5550
5725-5850	5850
5850~5895	5850, 5895
5925-6425	5925
6425-6525	6555
6875-7125	7125

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

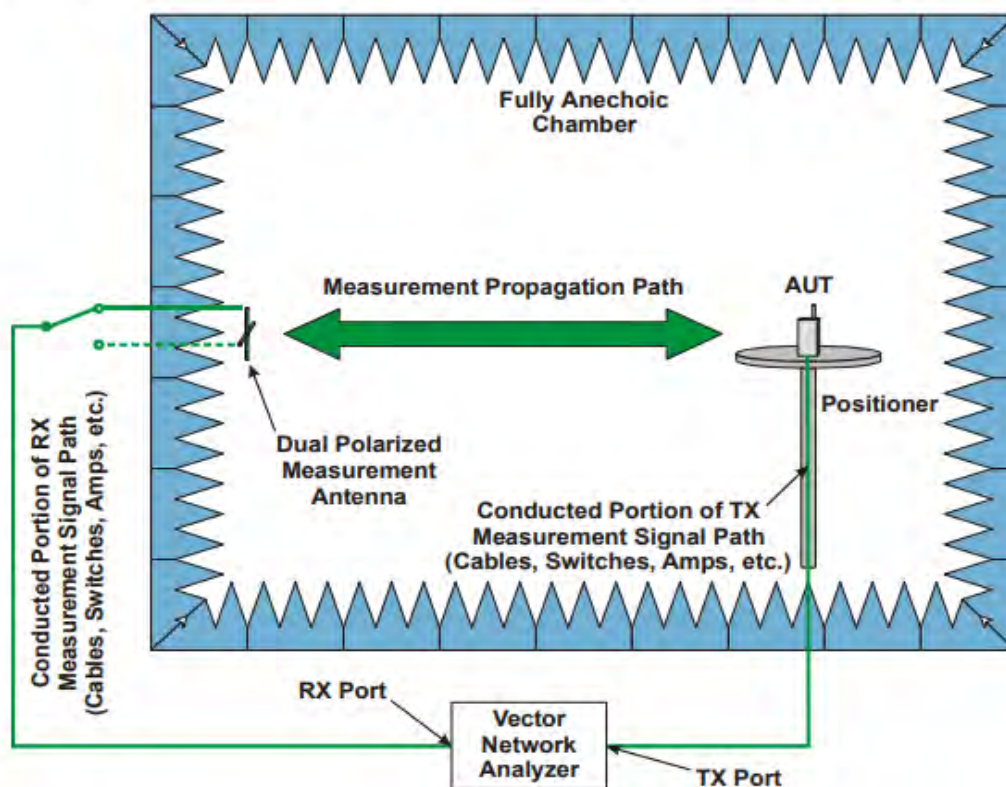


ETS-AMS 8500 System

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)

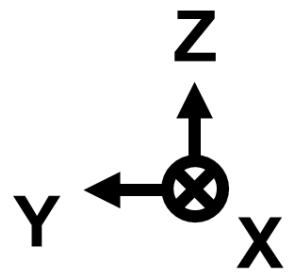
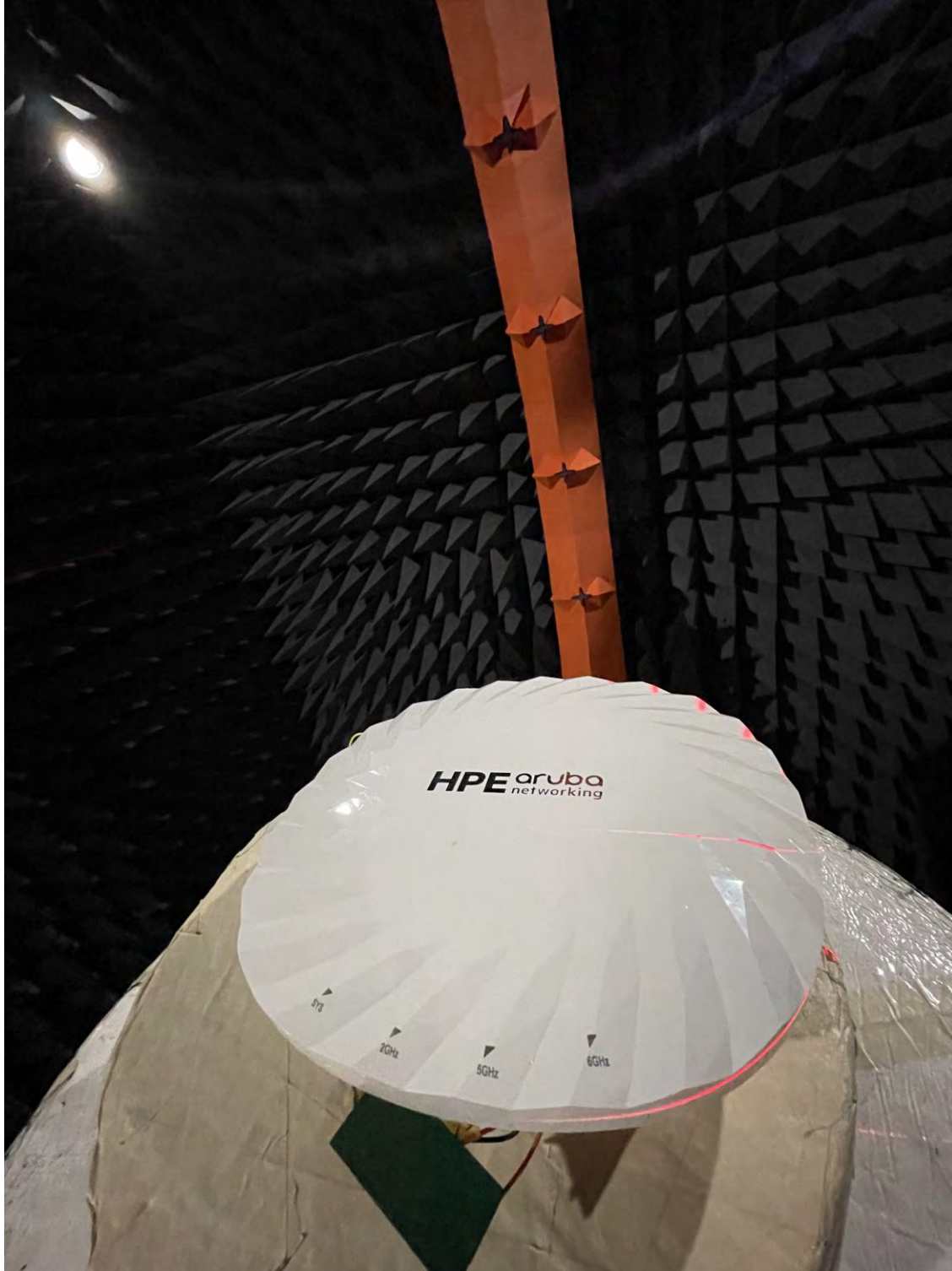
Frequency (MHz)	2452
Ant.7 Gain (dBi)	3.52
Ant.14 Gain (dBi)	4.78
Phi (°)	150
Theta (°)	50
Corr. Ant. Gain (dBi) [10^(G ₁ /20)+10^(G ₂ /20)] ² /N _{ANT.}	5.22
Uncor. Ant. Gain (dBi) [10^(G ₁ /10)+10^(G ₂ /10)]/N _{ANT.}	2.63
Corr. Gain (dBi) 10*log(Corr. Ant. Gain)	7.2
Uncor. Gain (dBi) 10*log(Uncor.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

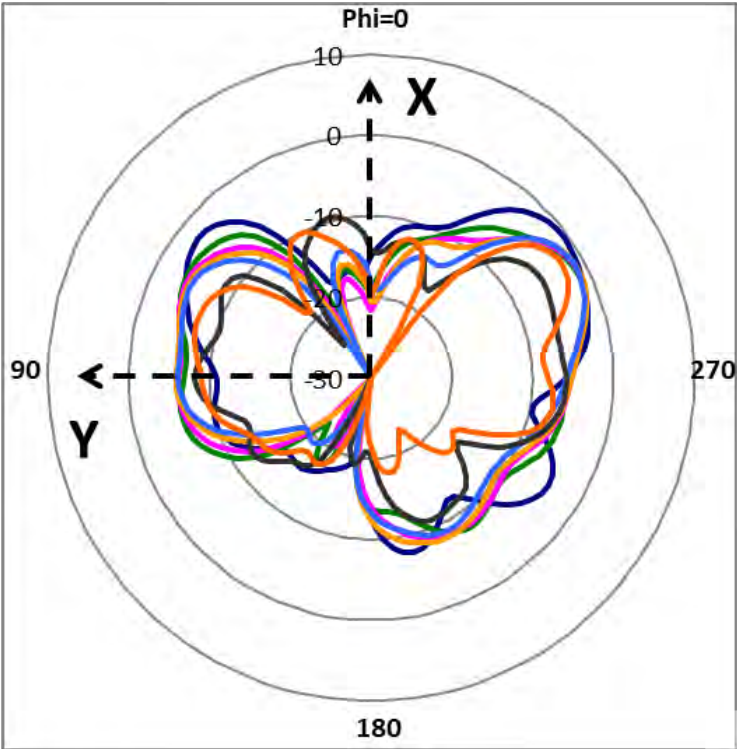


Note :
Top cover toward +Z direction

10. Radiation Pattern

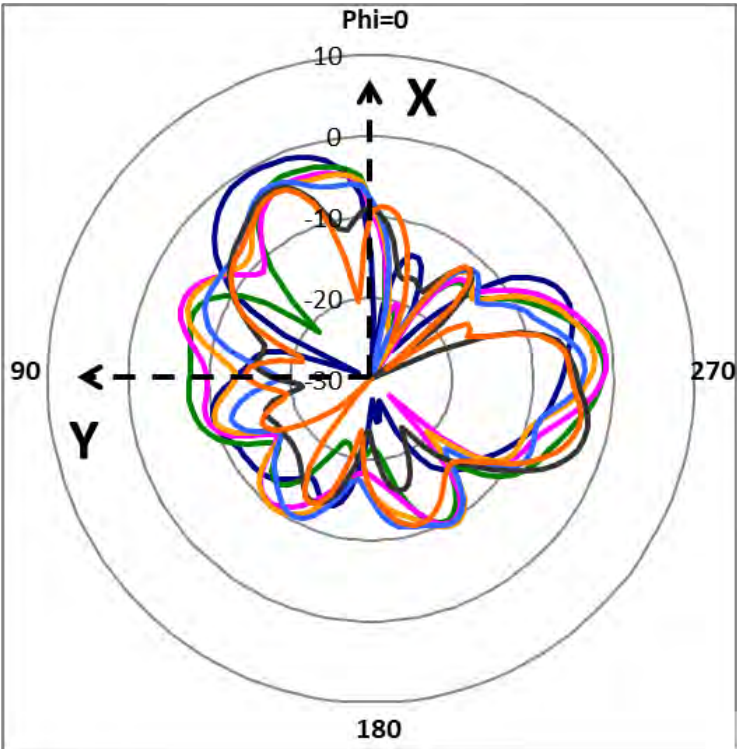
Ant. Position : 5G/6G Ant.1~4

XY_Pol._Phi_Ant.1



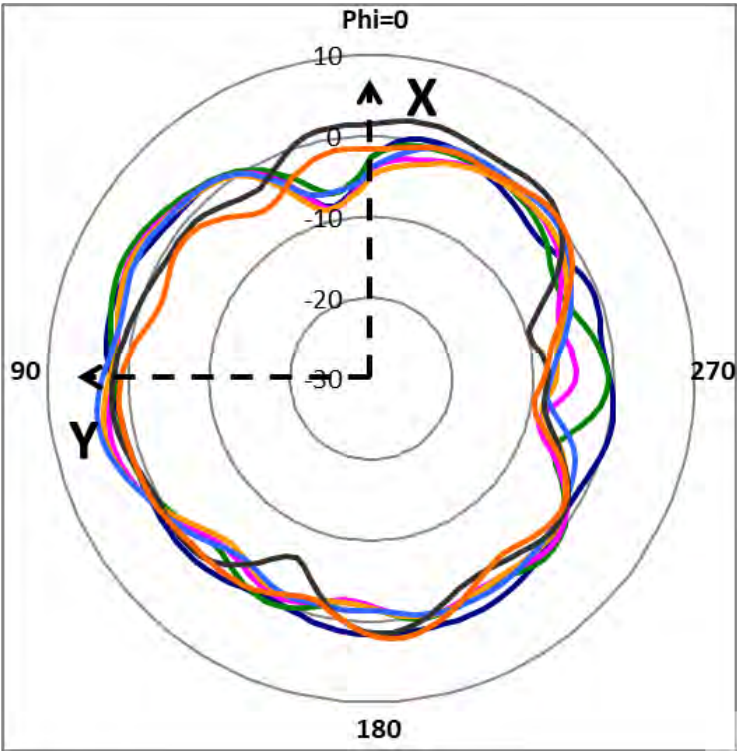
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- 5550MHz_Gain_-1.31
- 5850MHz_Gain_-1.17
- 5895MHz_Gain_-1.04
- 5925MHz_Gain_-1.17
- 6555MHz_Gain_-5.59
- 7125MHz_Gain_-2.46

XY_Pol._Phi_Ant.2



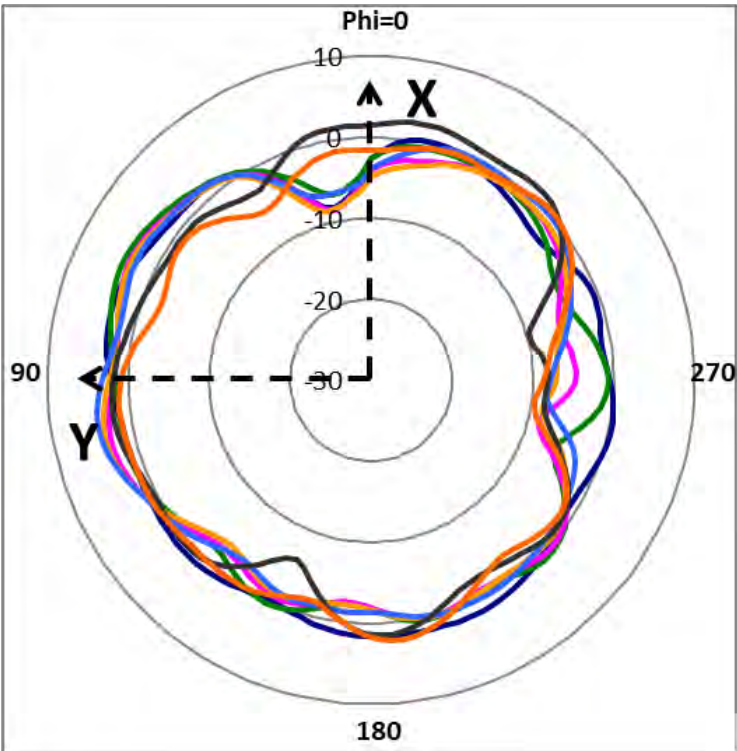
- 5150MHz_Gain_-0.48
- 5550MHz_Gain_-1.19
- 5850MHz_Gain_-0.88
- 5895MHz_Gain_-2.30
- 5925MHz_Gain_-3.04
- 6555MHz_Gain_-2.59
- 7125MHz_Gain_-3.68

XY_Pol._Phi_Ant.3



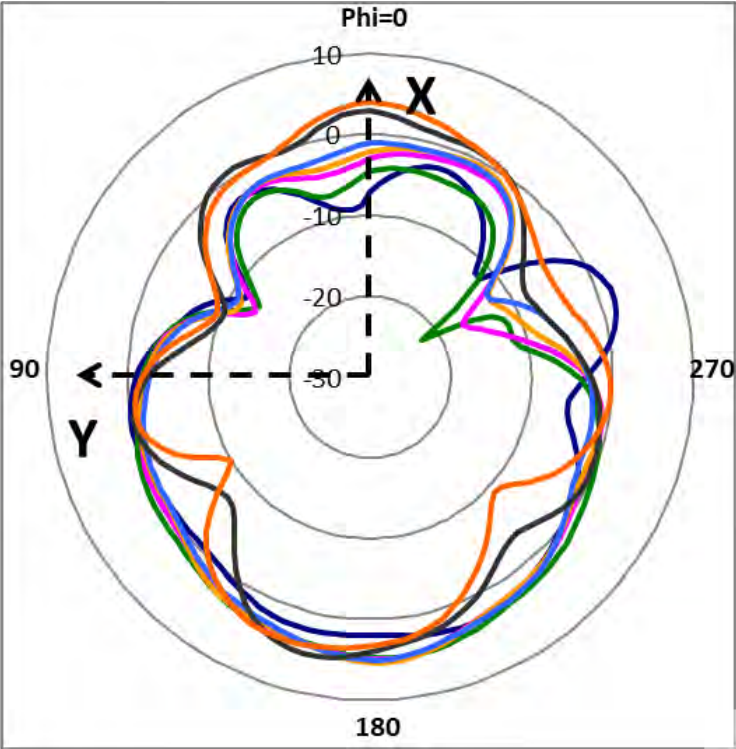
- 5150MHz_Gain_3.30
- 5550MHz_Gain_3.93
- 5850MHz_Gain_3.25
- 5895MHz_Gain_3.64
- 5925MHz_Gain_4.20
- 6555MHz_Gain_2.27
- 7125MHz_Gain_2.25

XY_Pol._Phi_Ant.4

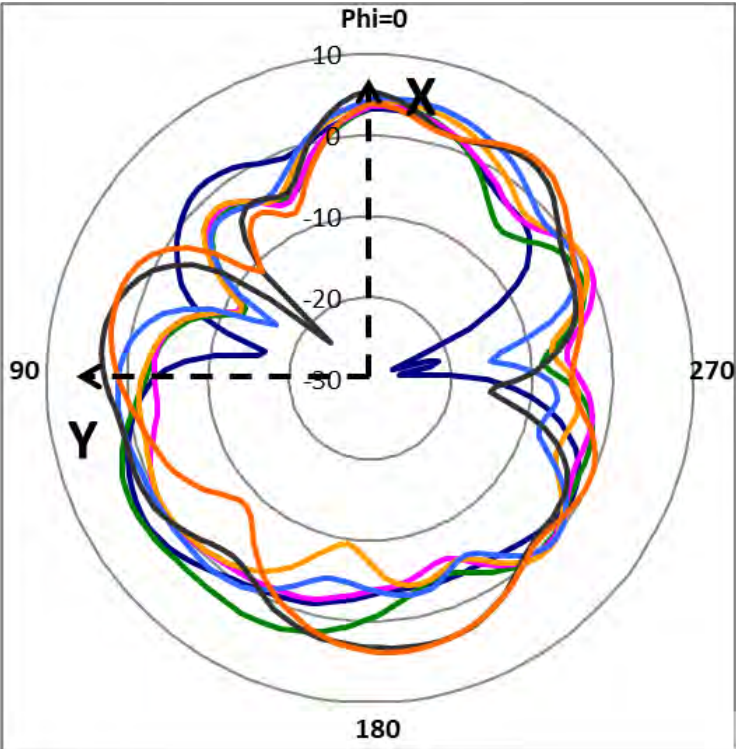


- 5150MHz_Gain_3.83
- 5550MHz_Gain_3.48
- 5850MHz_Gain_3.17
- 5895MHz_Gain_3.14
- 5925MHz_Gain_3.08
- 6555MHz_Gain_2.58
- 7125MHz_Gain_1.62

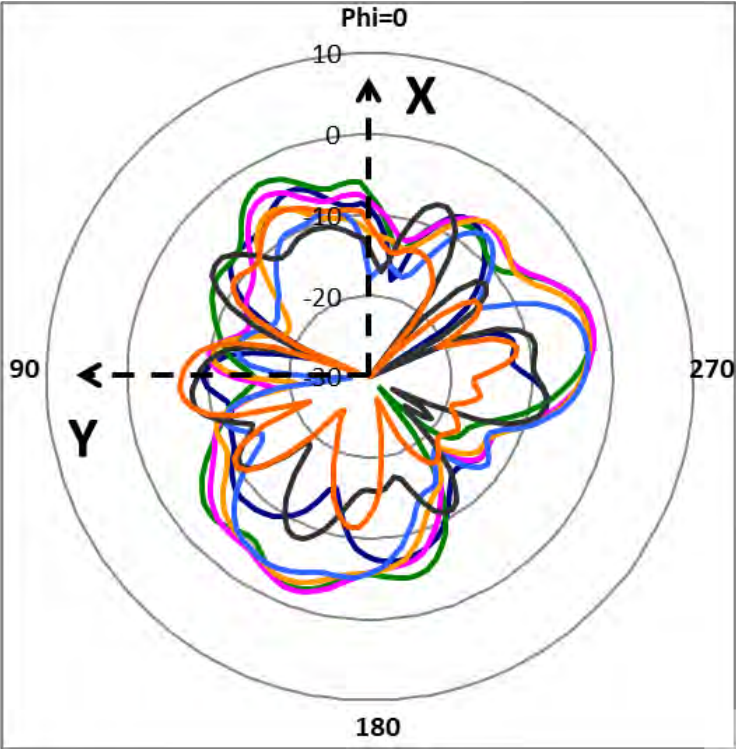
XY_Pol._Theta_Ant.1



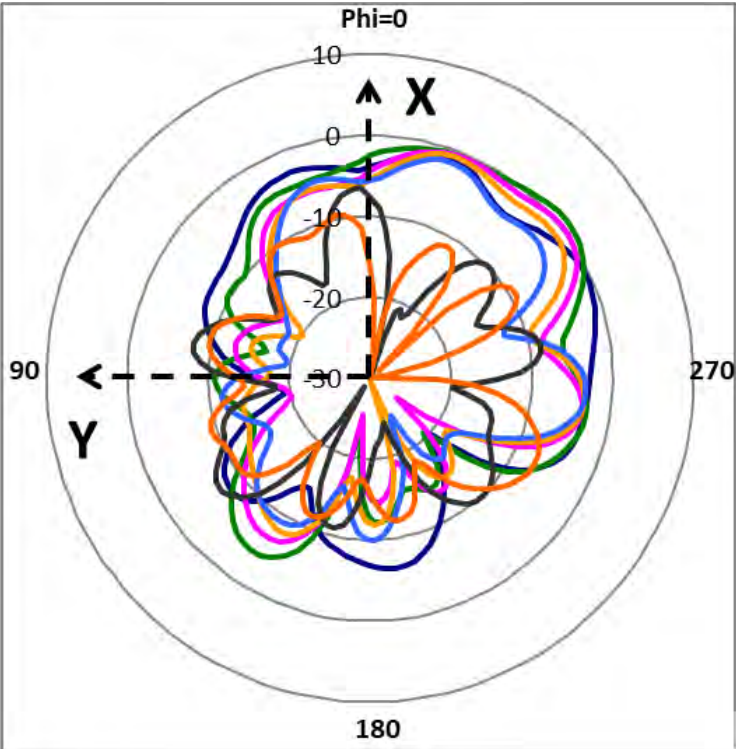
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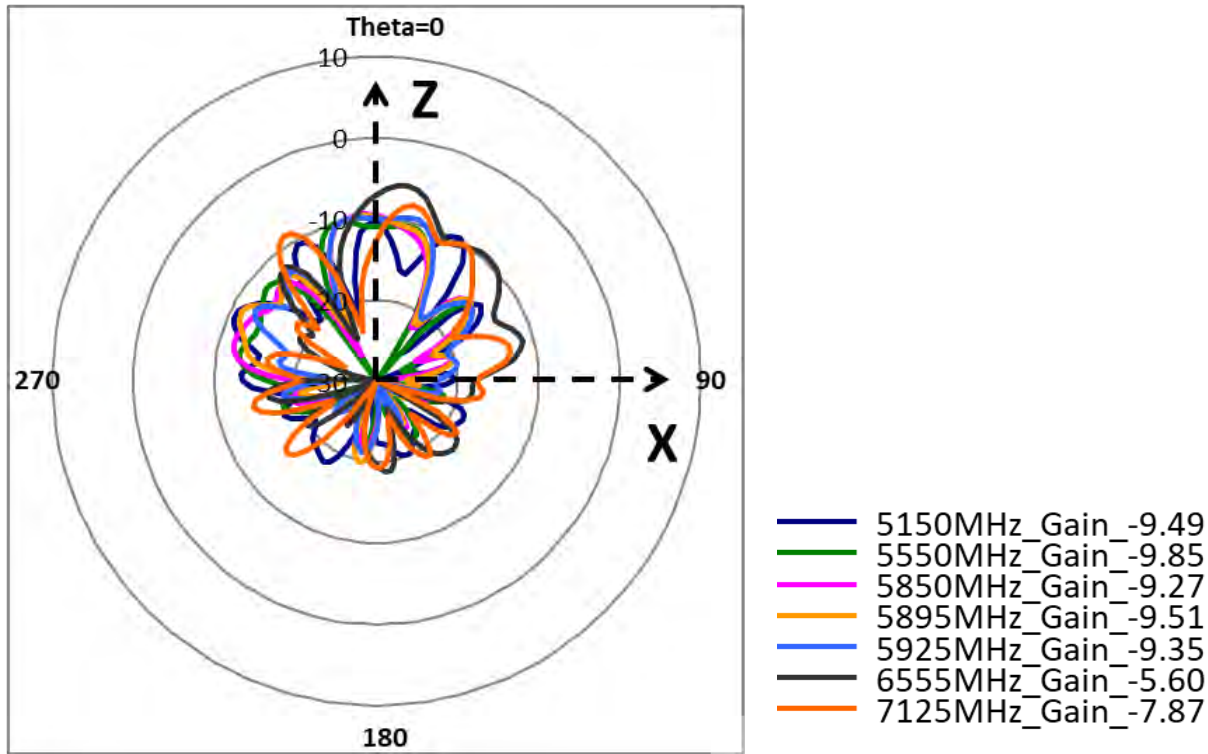
XY_Pol._Theta_Ant.3



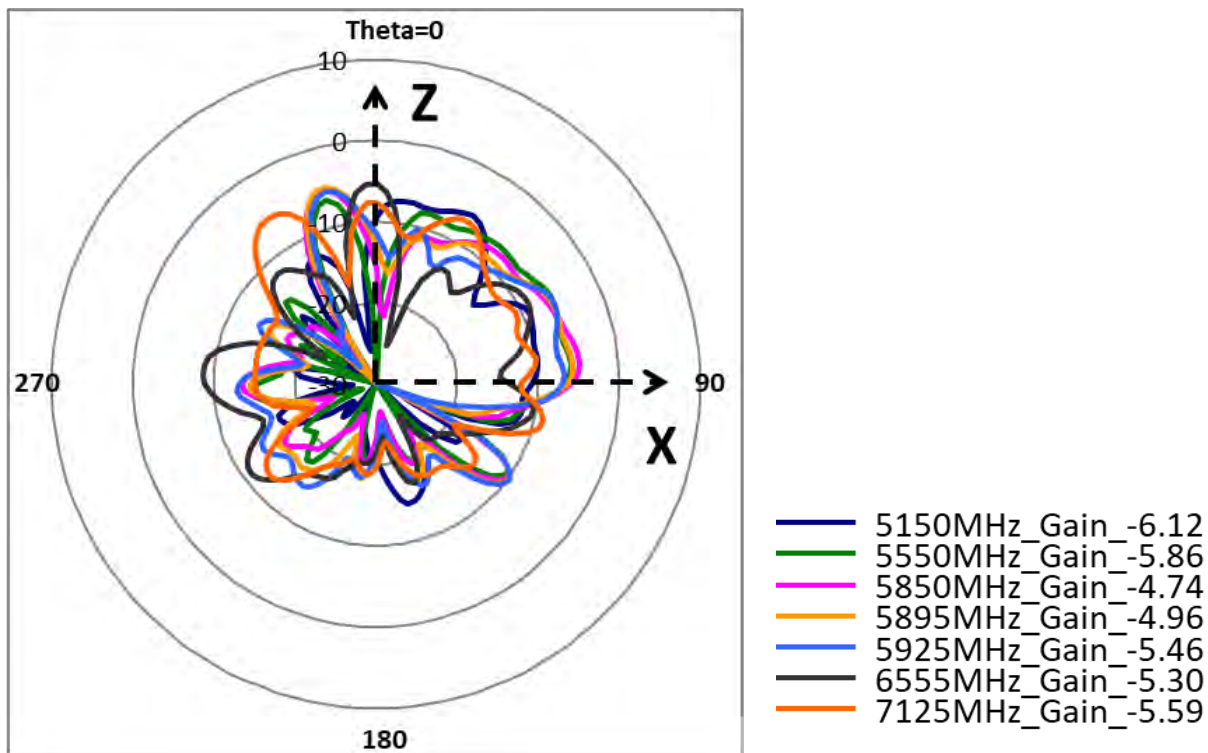
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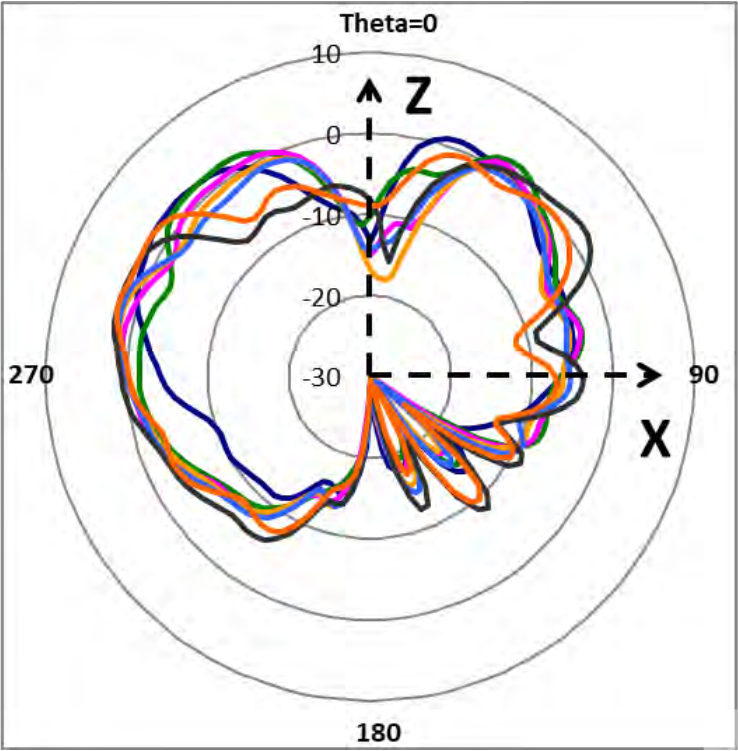
XZ_Pol._Phi_Ant.1



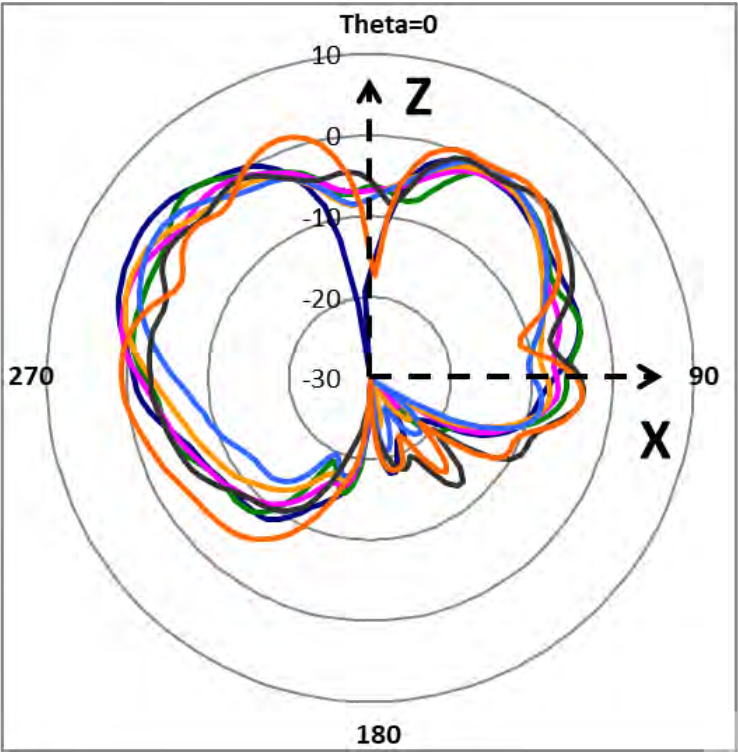
XZ_Pol._Phi_Ant.2



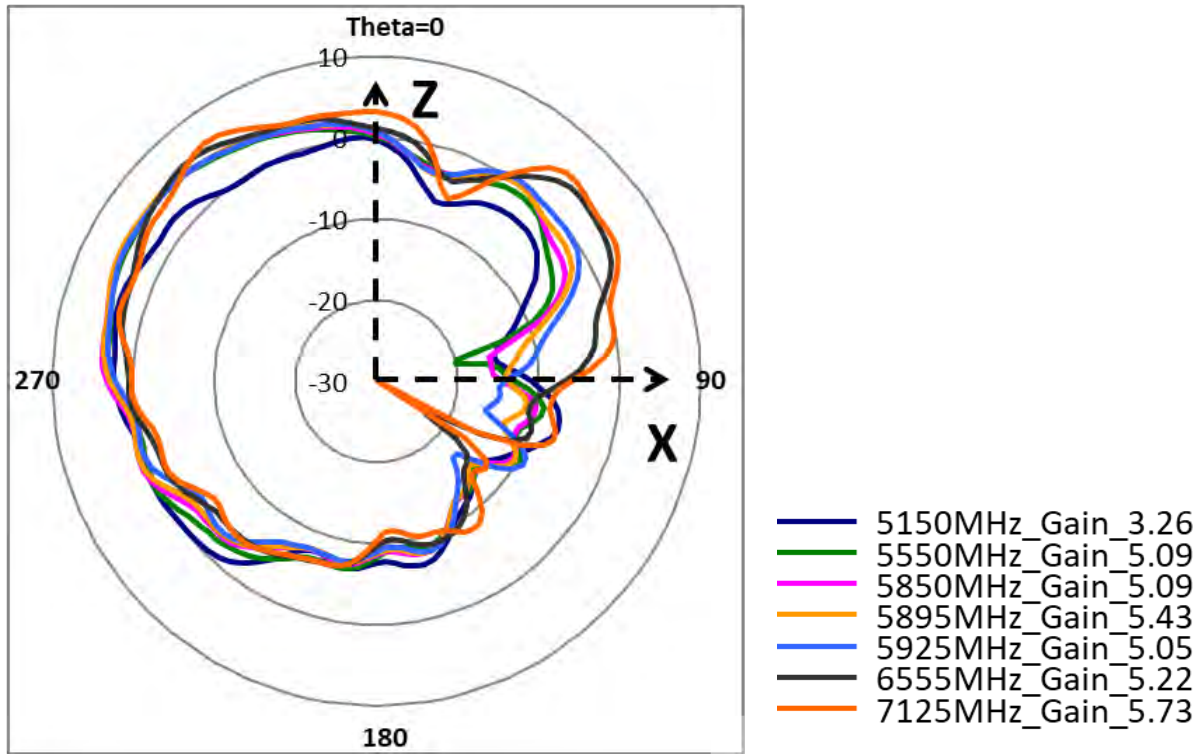
XZ_Pol._Phi_Ant.3



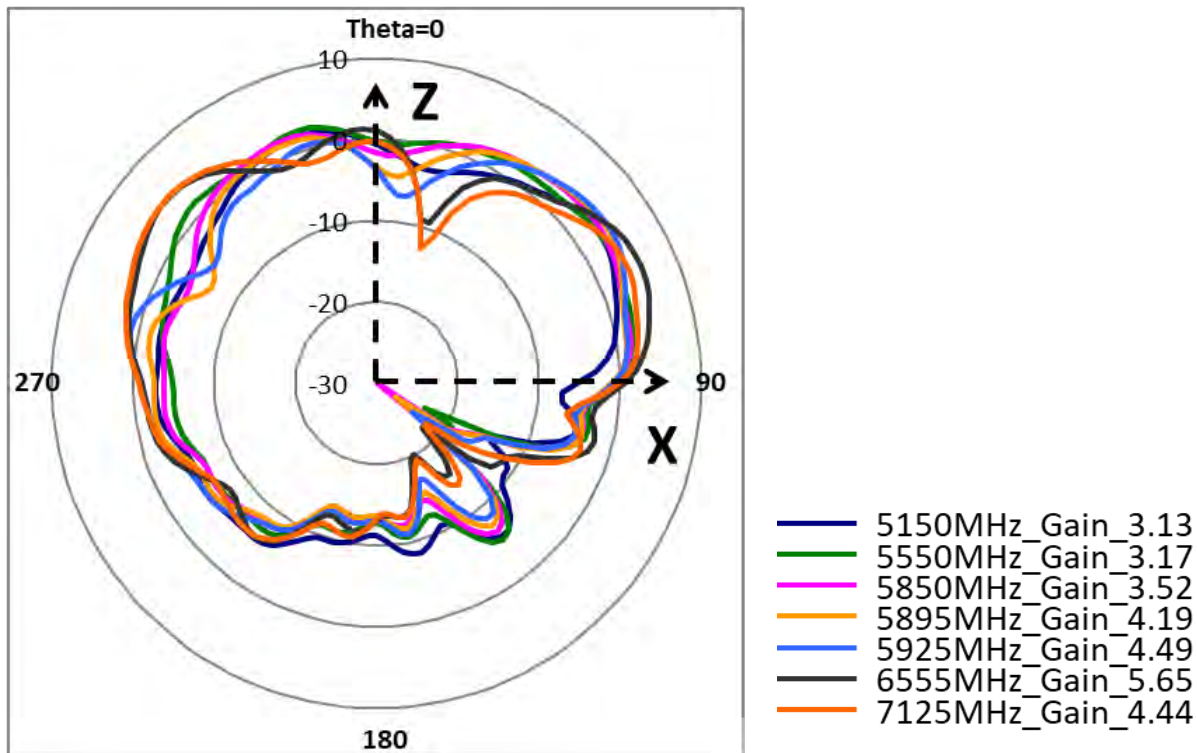
XZ_Pol._Phi_Ant.4



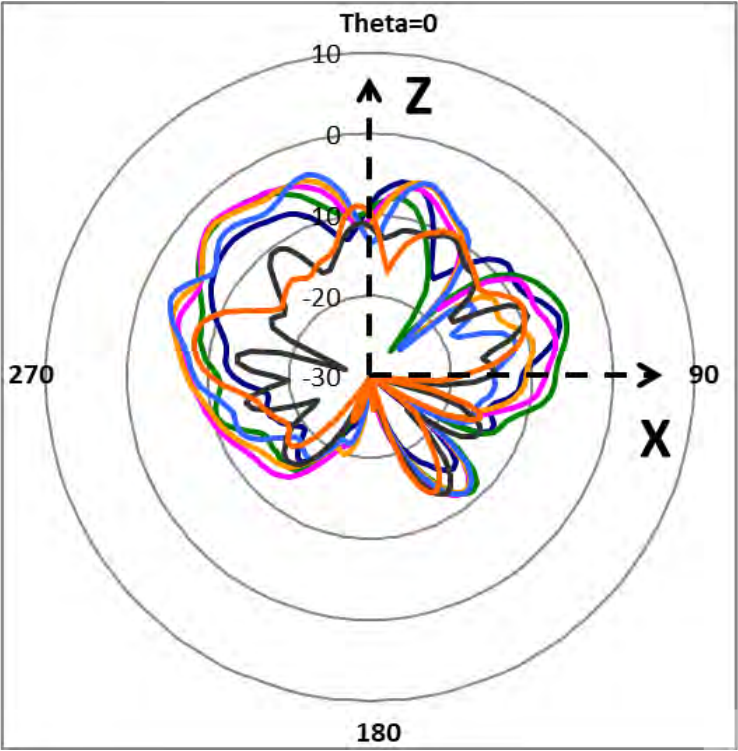
XZ_Pol._Theta_Ant.1



XZ_Pol._Theta_Ant.2

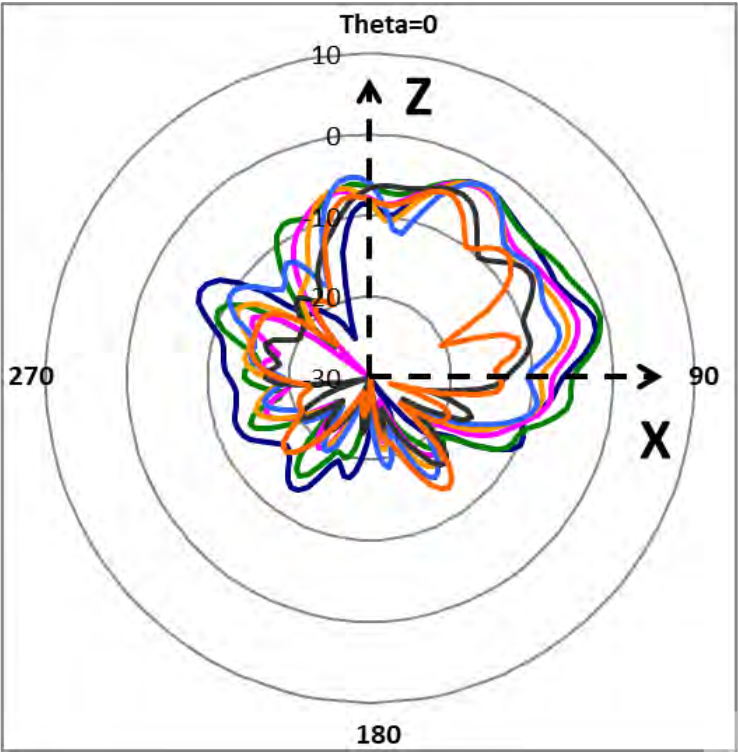


XZ_Pol._Theta_Ant.3



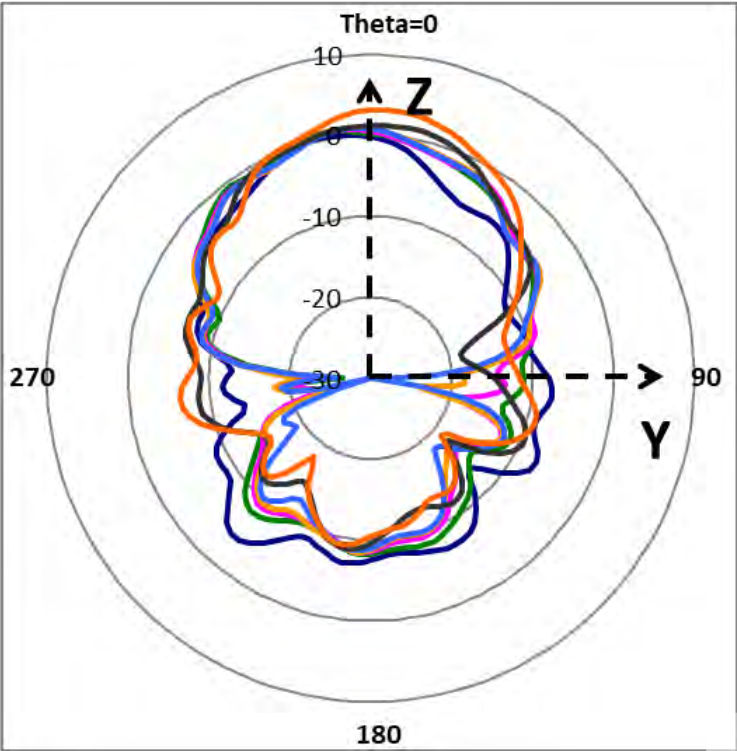
- 5150MHz_Gain_-5.53
- 5550MHz_Gain_-3.30
- 5850MHz_Gain_-2.85
- 5895MHz_Gain_-3.09
- 5925MHz_Gain_-3.65
- 6555MHz_Gain_-9.21
- 7125MHz_Gain_-7.78

XZ_Pol._Theta_Ant.4

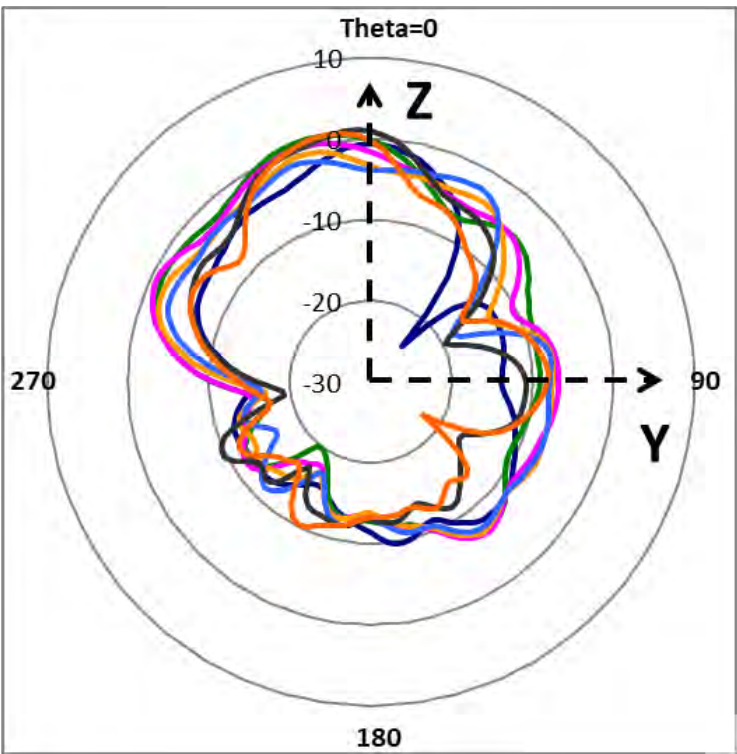


- 5150MHz_Gain_-1.56
- 5550MHz_Gain_-0.70
- 5850MHz_Gain_-2.95
- 5895MHz_Gain_-2.66
- 5925MHz_Gain_-2.42
- 6555MHz_Gain_-4.60
- 7125MHz_Gain_-5.32

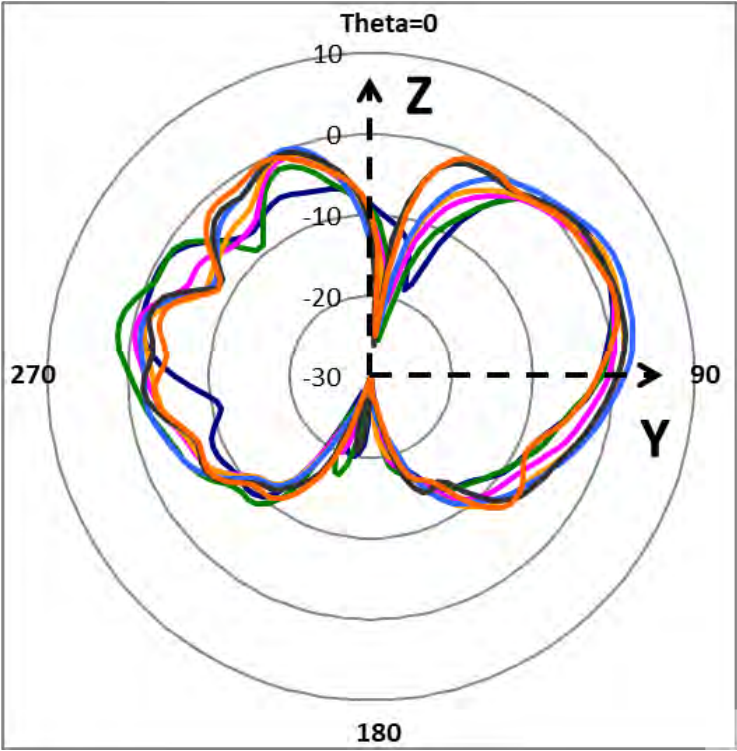
YZ_Pol._Phi_Ant.1



YZ_Pol._Phi_Ant.2

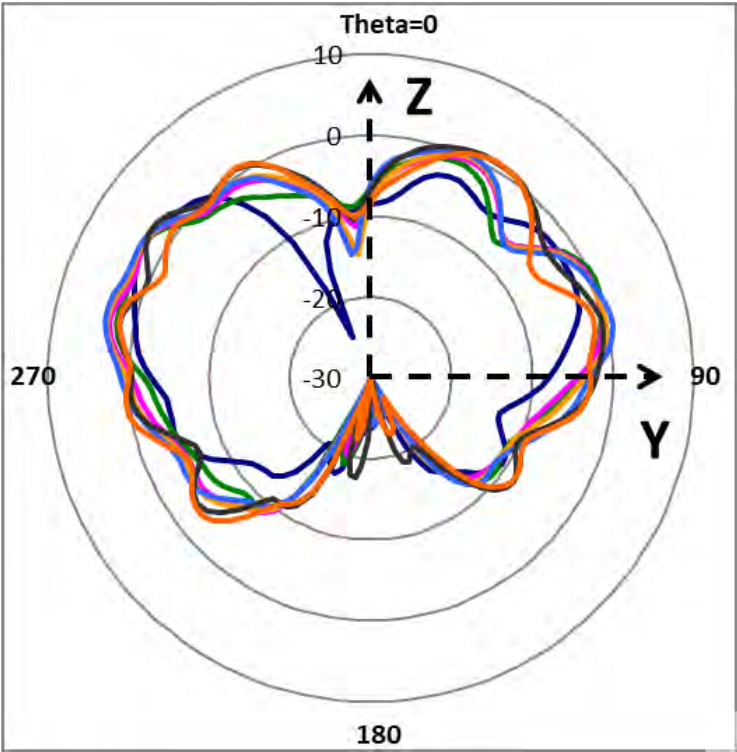


YZ_Pol._Phi_Ant.3



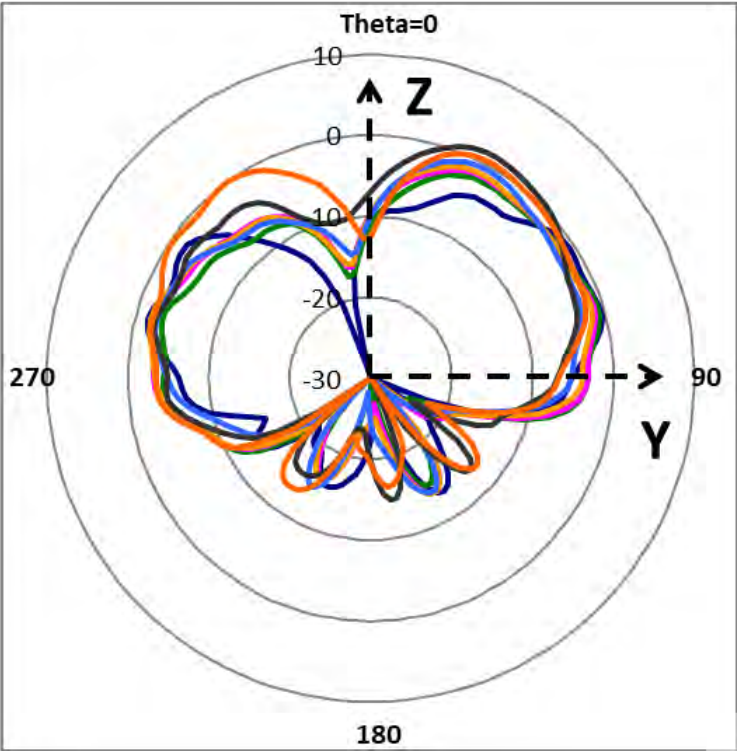
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- 5550MHz_Gain_2.04
- 5850MHz_Gain_2.29
- 5895MHz_Gain_2.68
- 5925MHz_Gain_3.63
- 6555MHz_Gain_2.17
- 7125MHz_Gain_1.75

YZ_Pol._Phi_Ant.4

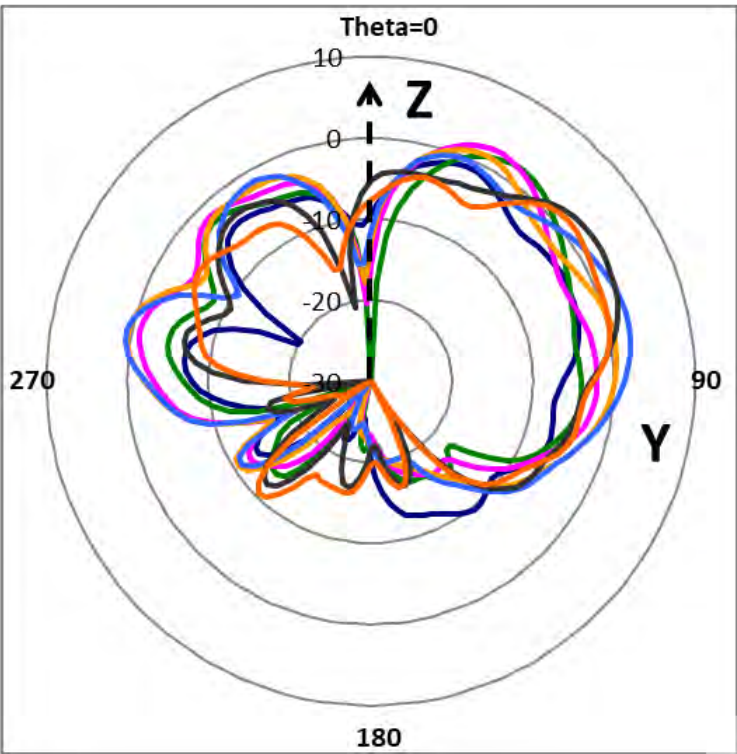


- 5150MHz_Gain_2.48
- 5550MHz_Gain_2.84
- 5850MHz_Gain_3.07
- 5895MHz_Gain_3.39
- 5925MHz_Gain_3.74
- 6555MHz_Gain_2.74
- 7125MHz_Gain_1.88

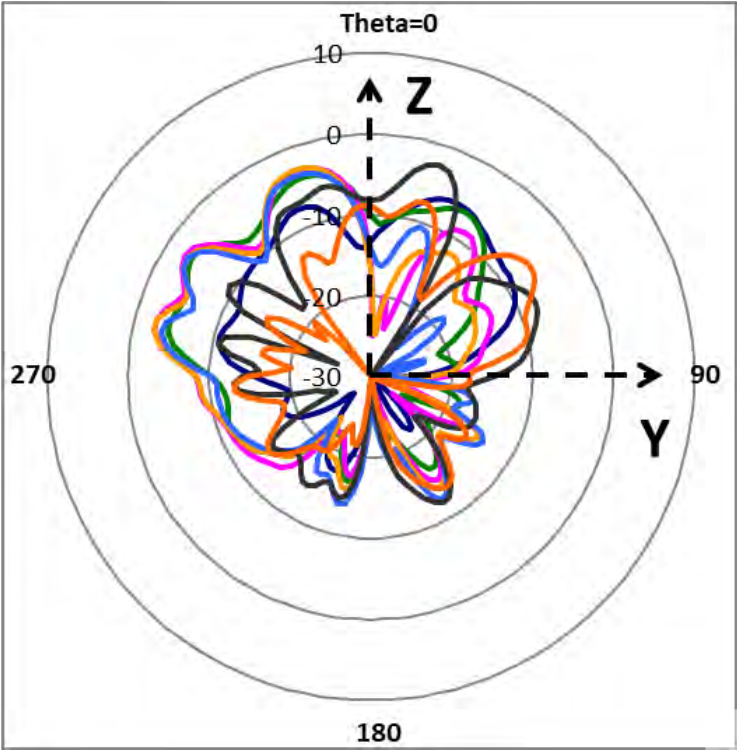
YZ_Pol._Theta_Ant.1



YZ_Pol._Theta_Ant.2

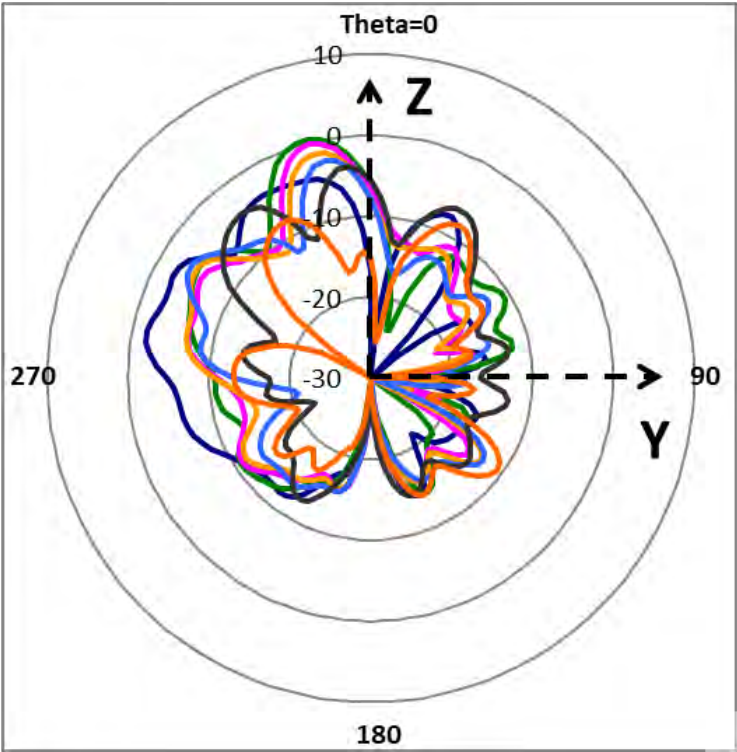


YZ_Pol._Theta_Ant.3



- 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

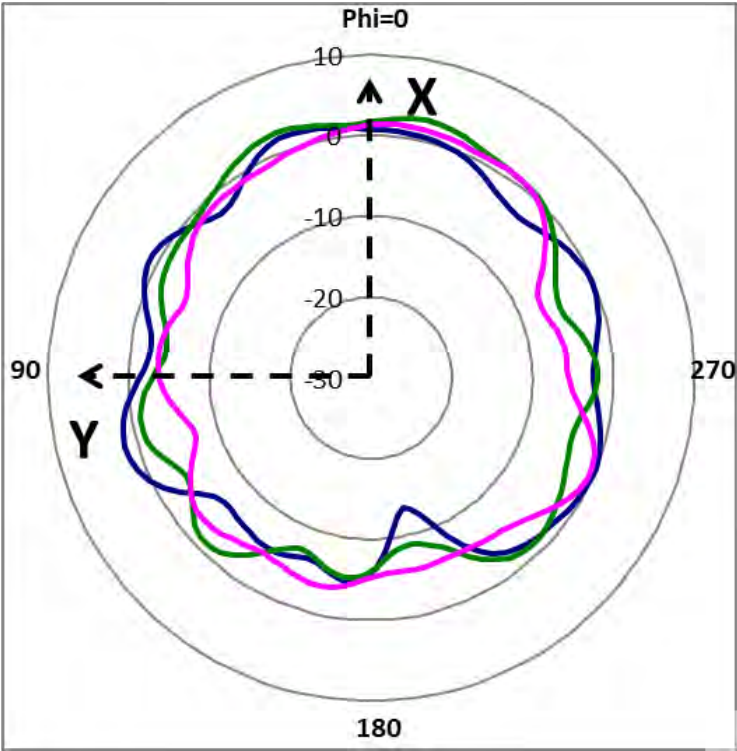
YZ_Pol._Theta_Ant.4



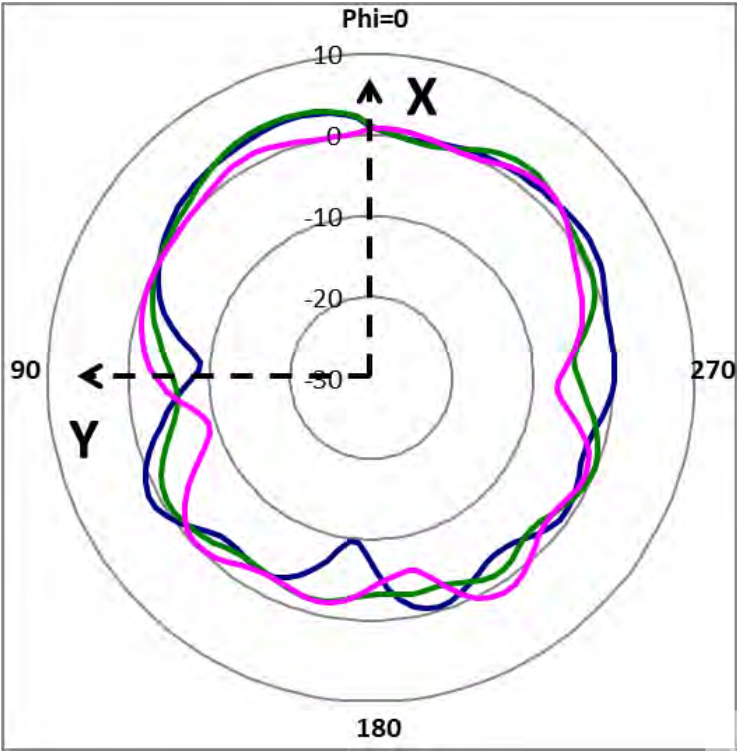
- 5150MHz_Gain_-1.74
- 5550MHz_Gain_0.50
- 5850MHz_Gain_-0.15
- 5895MHz_Gain_-1.45
- 5925MHz_Gain_-2.56
- 6555MHz_Gain_-3.79
- 7125MHz_Gain_-7.98

Ant. Position : 6G Ant.5~8

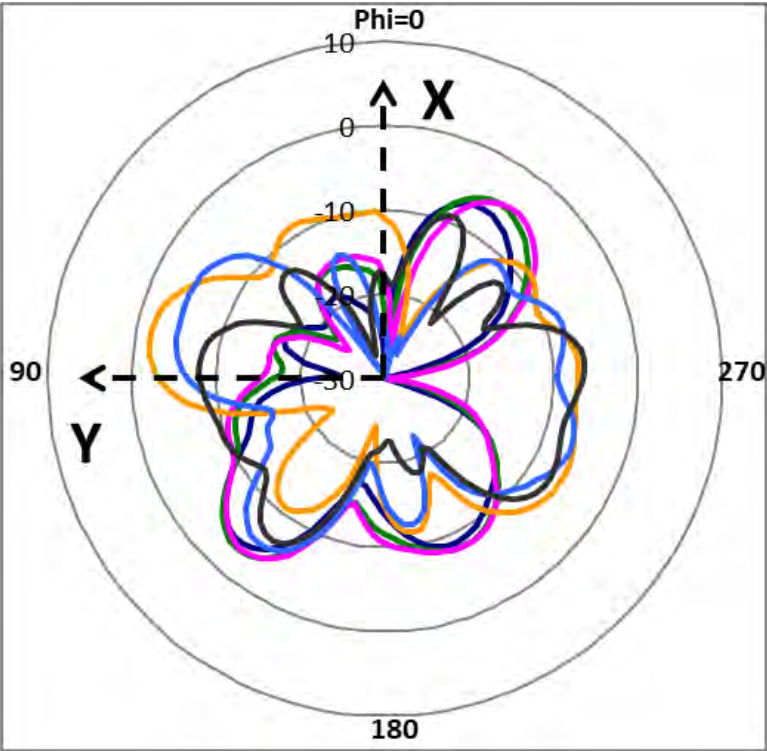
XY_Pol._Phi_Ant.5



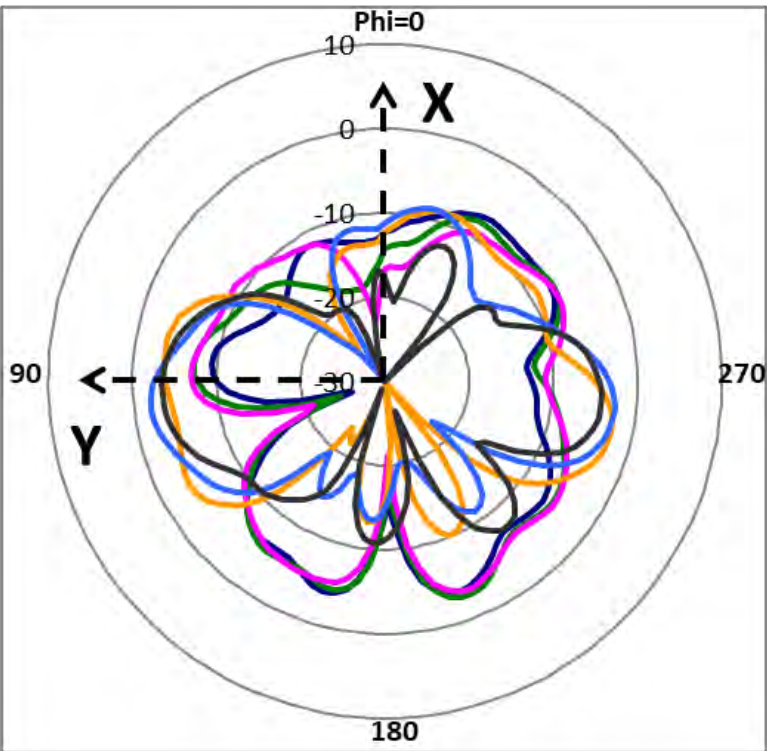
XY_Pol._Phi_Ant.6



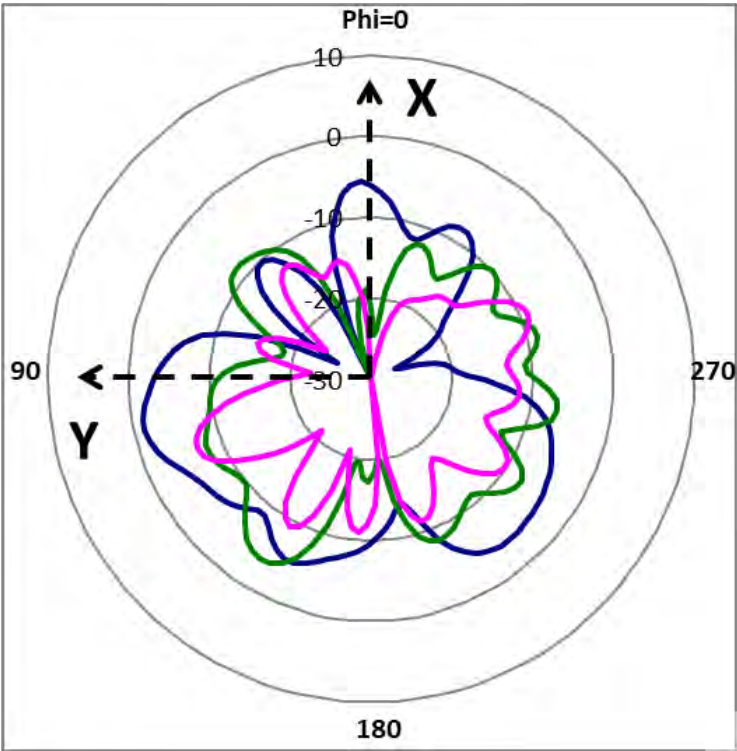
XY_Pol._Phi_Ant.7



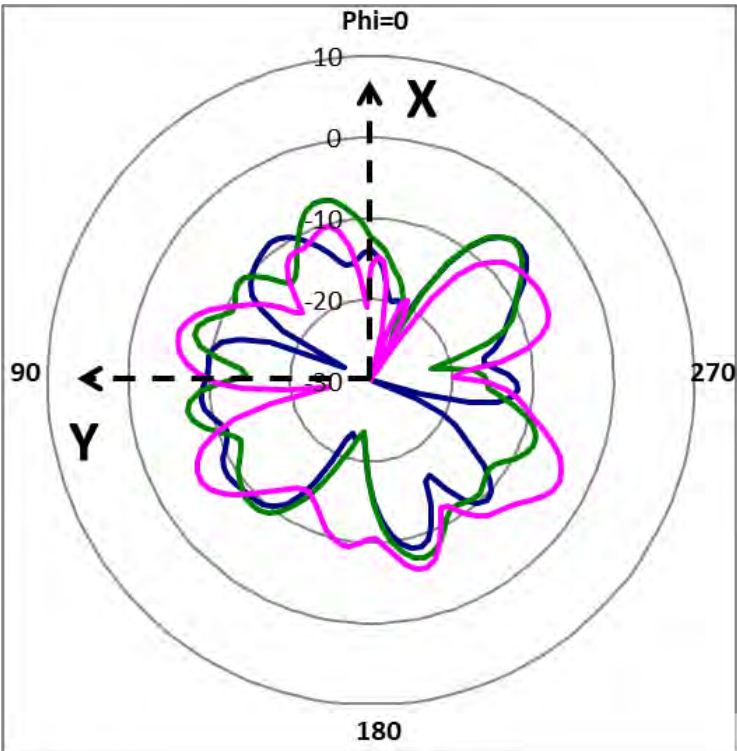
XY_Pol._Phi_Ant.8



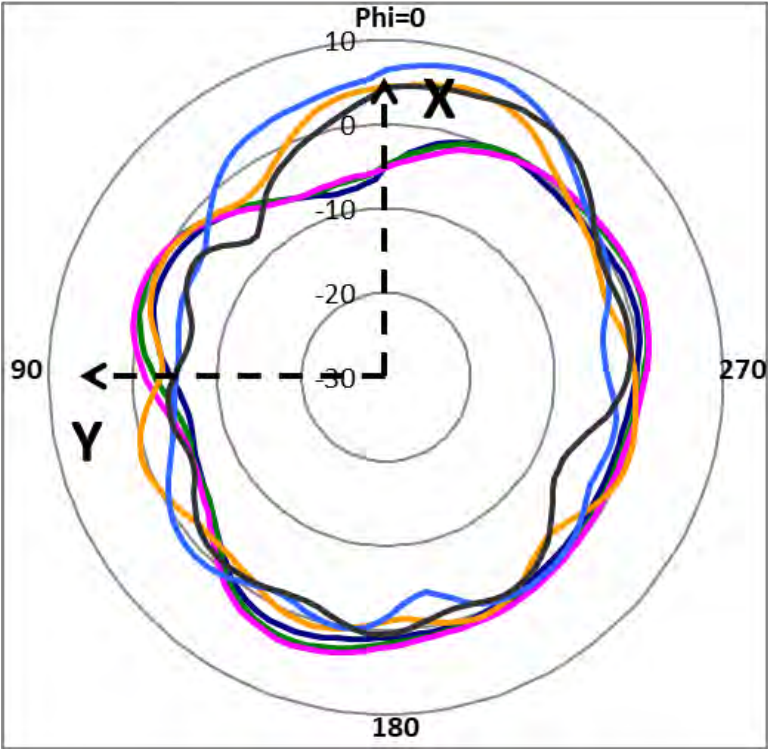
XY_Pol._Theta_Ant.5



XY_Pol._Theta_Ant.6

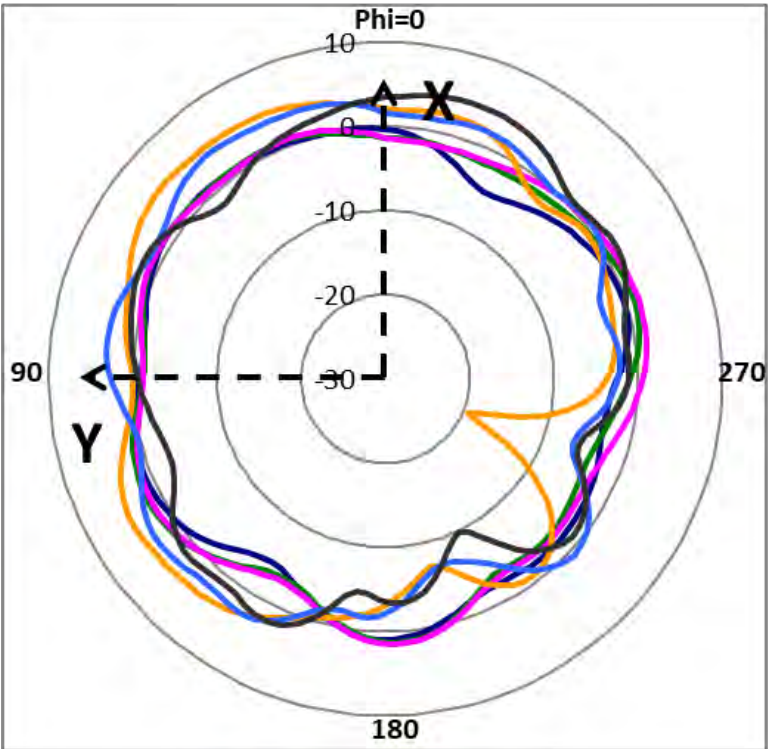


XY_Pol._Theta_Ant.7



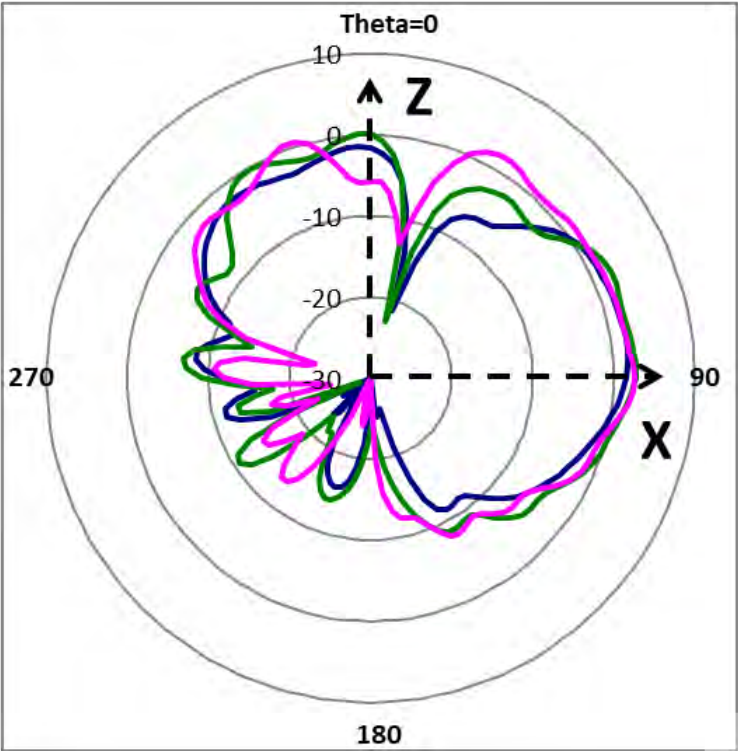
- 2401MHz_Gain_2.02
- 2452MHz_Gain_3.19
- 2484MHz_Gain_3.67
- 5925MHz_Gain_5.50
- 6555MHz_Gain_5.31
- 7125MHz_Gain_5.57

XY_Pol._Theta_Ant.8



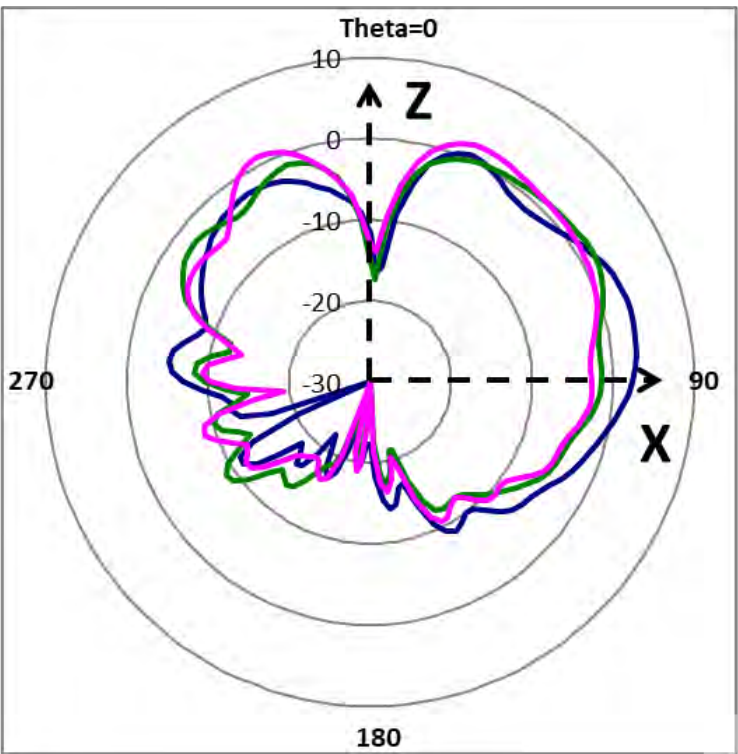
- 2401MHz_Gain_1.07
- 2452MHz_Gain_1.75
- 2484MHz_Gain_1.60
- 5925MHz_Gain_5.07
- 6555MHz_Gain_3.98
- 7125MHz_Gain_4.38

XZ_Pol._Phi_Ant.5



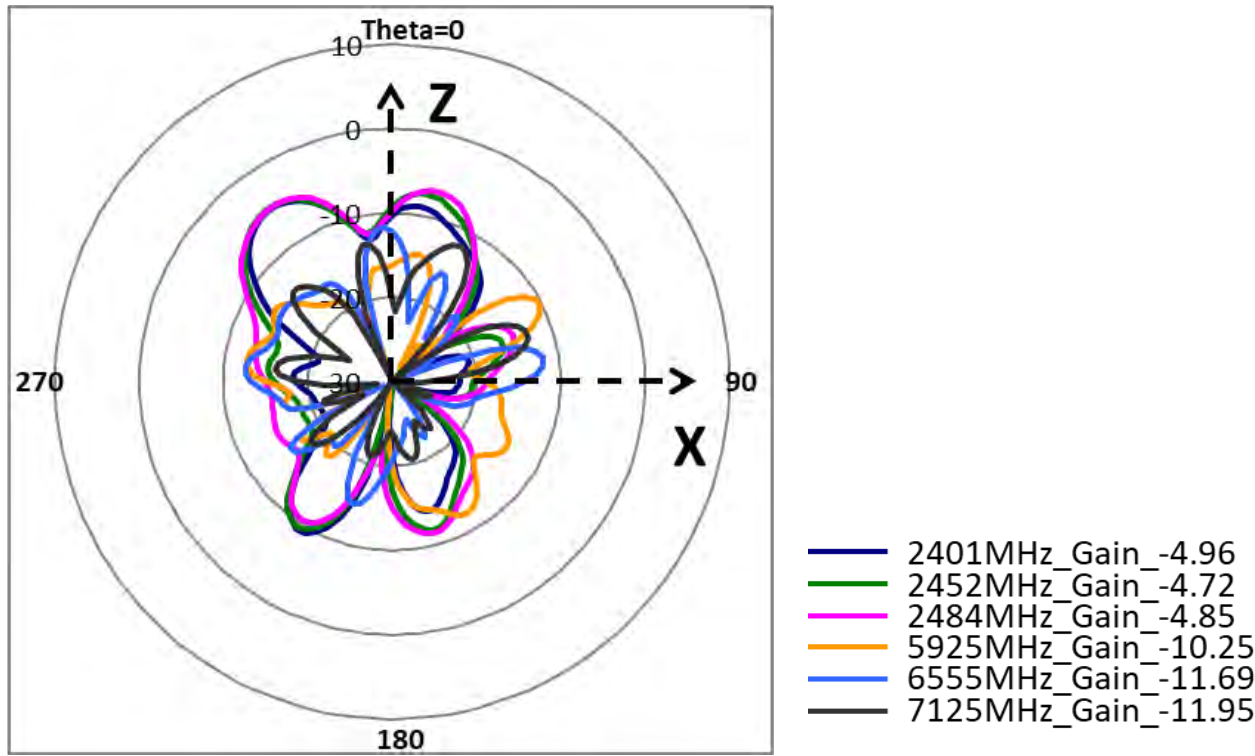
- 5925MHz_Gain_1.90
- 6555MHz_Gain_2.80
- 7125MHz_Gain_2.57

XZ_Pol._Phi_Ant.6

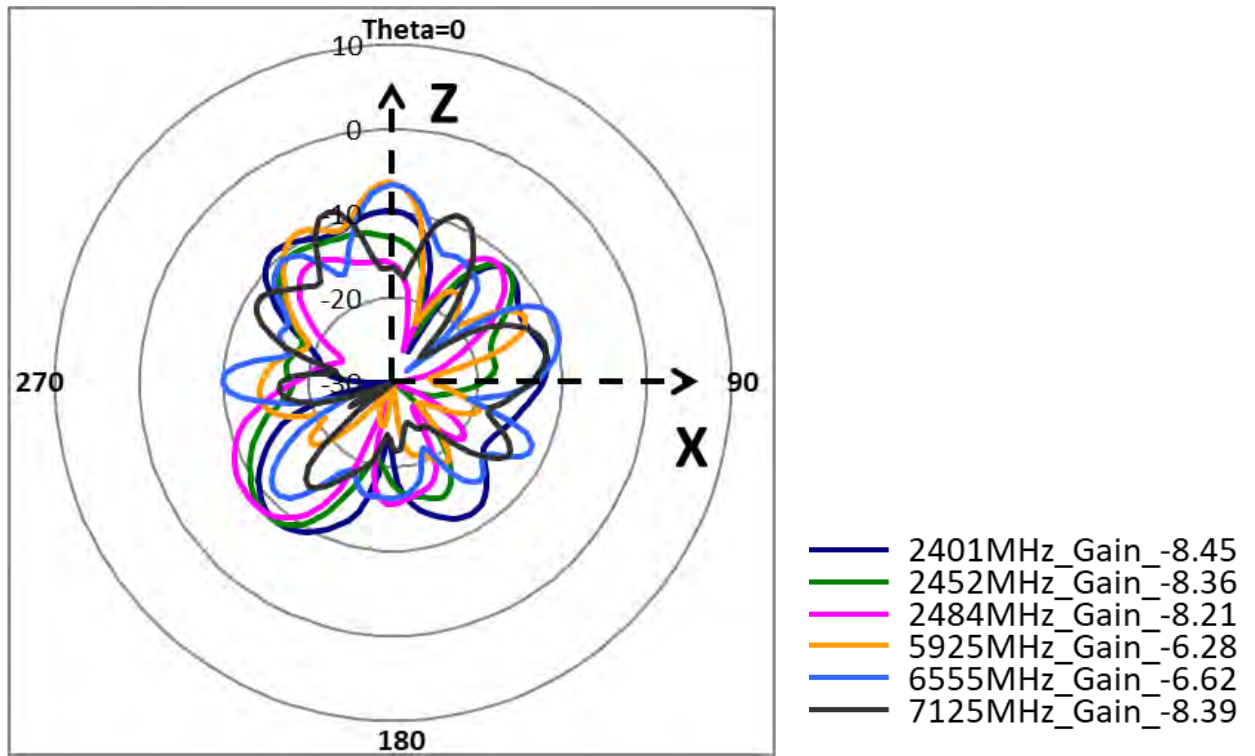


- 5925MHz_Gain_3.35
- 6555MHz_Gain_1.77
- 7125MHz_Gain_2.07

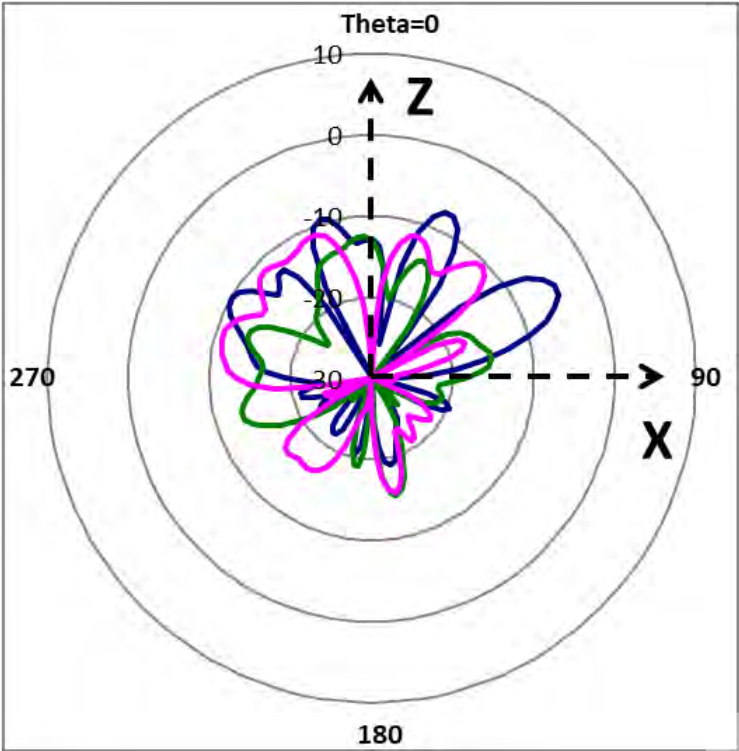
XZ_Pol._Phi_Ant.7



XZ_Pol._Phi_Ant.8

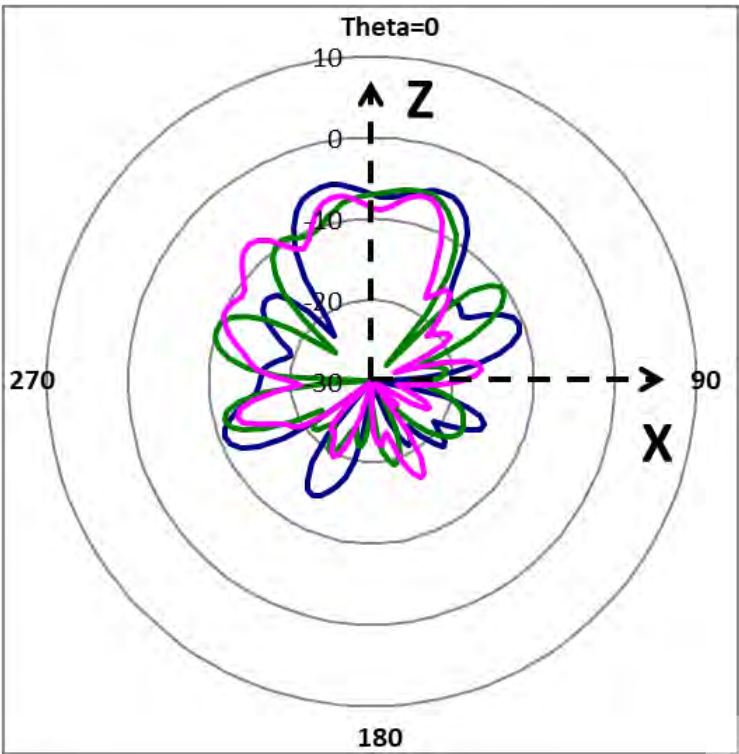


XZ_Pol._Theta_Ant.5



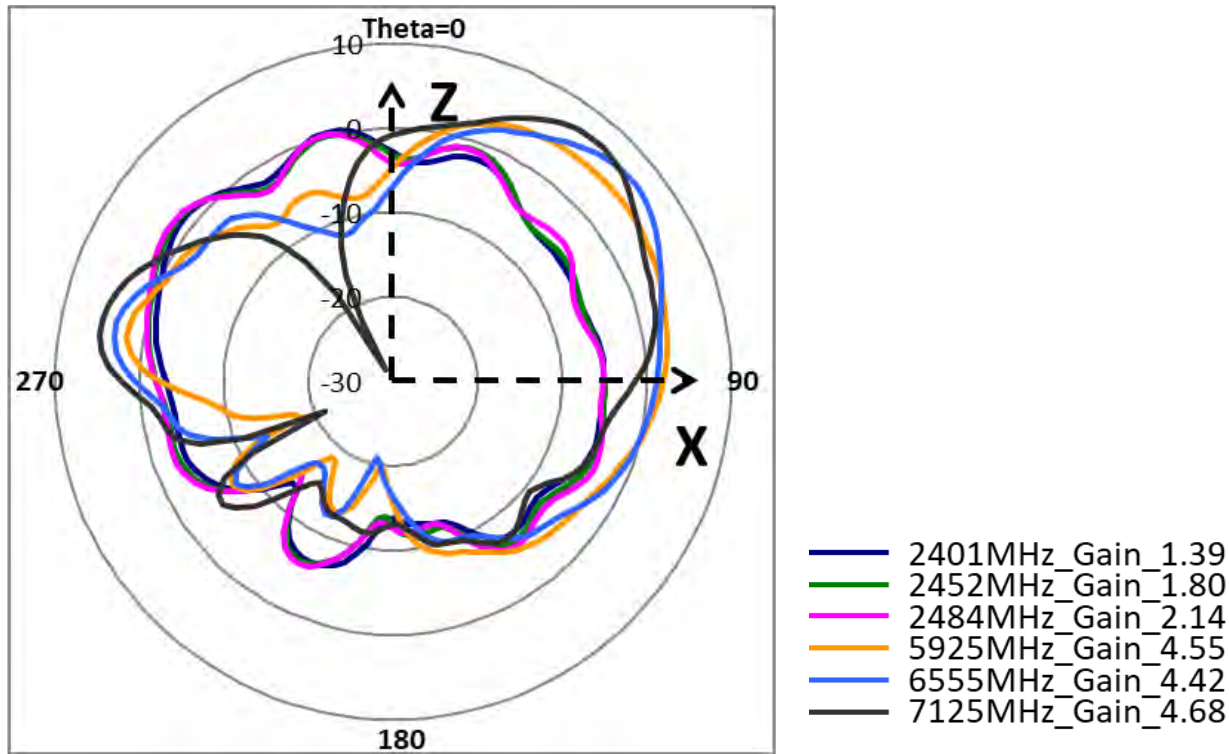
- 5925MHz_Gain_-4.23
- 6555MHz_Gain_-12.45
- 7125MHz_Gain_-10.63

XZ_Pol._Theta_Ant.6

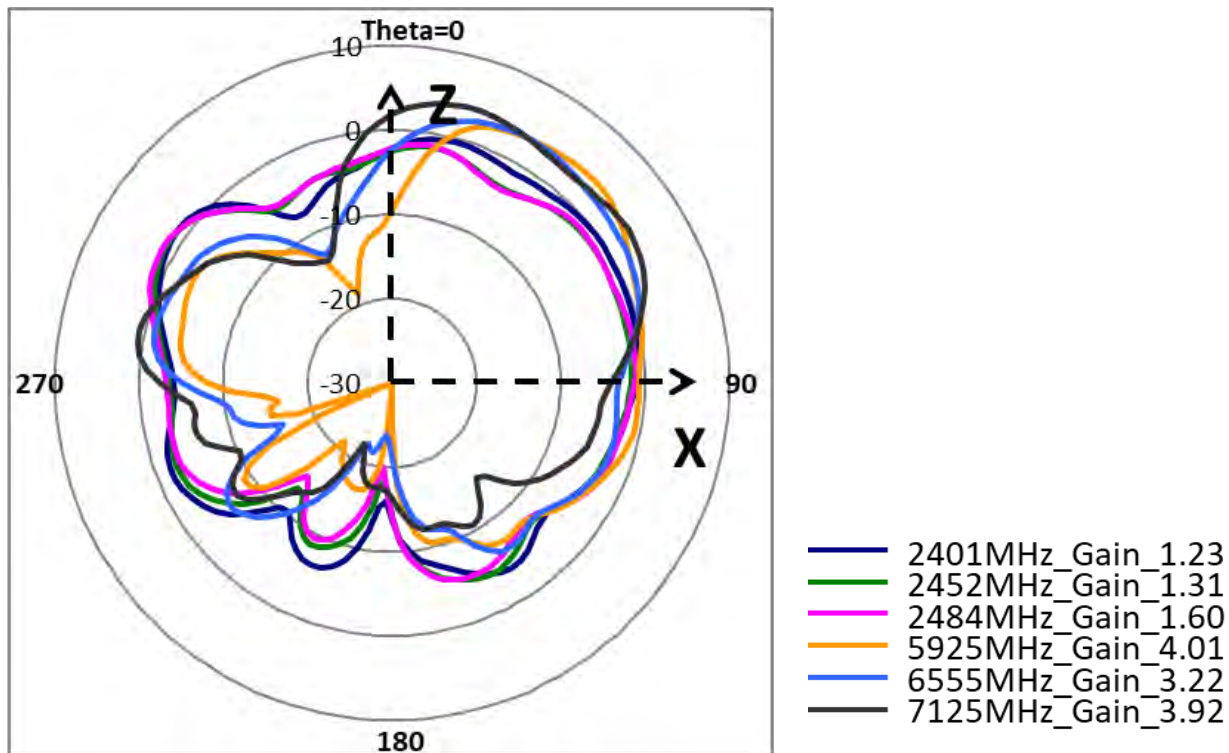


- 5925MHz_Gain_-5.12
- 6555MHz_Gain_-5.74
- 7125MHz_Gain_-6.29

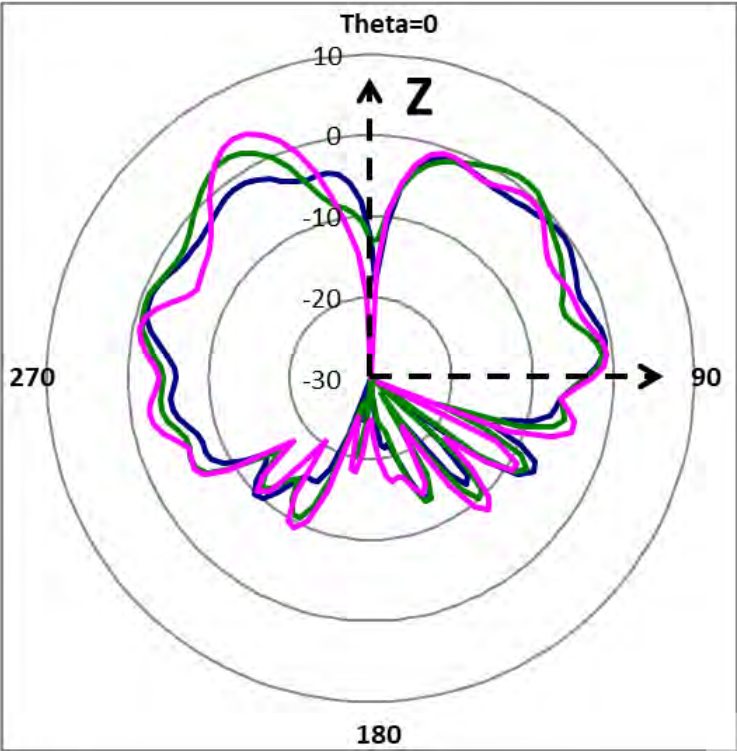
XZ_Pol._Theta_Ant.7



XZ_Pol._Theta_Ant.8

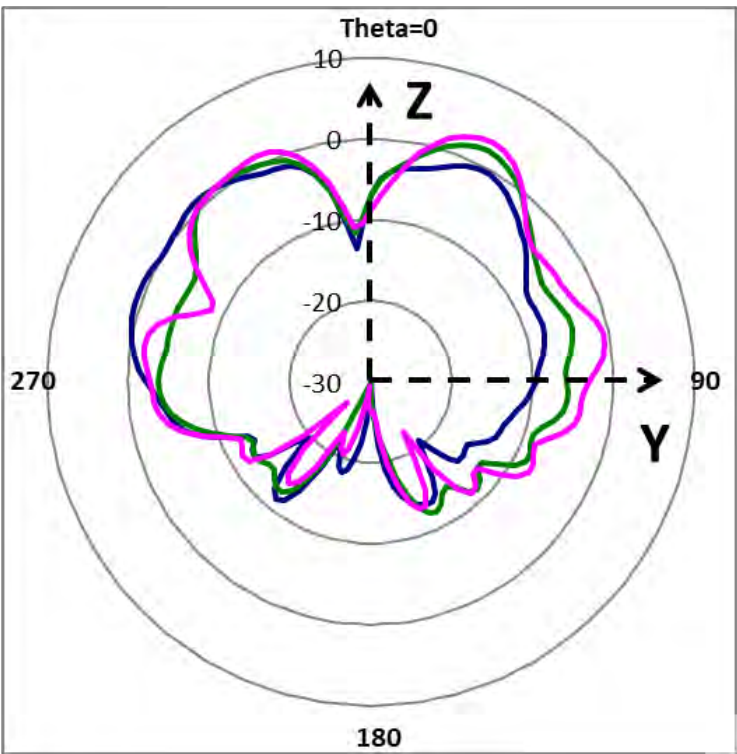


YZ_Pol._Phi_Ant.5



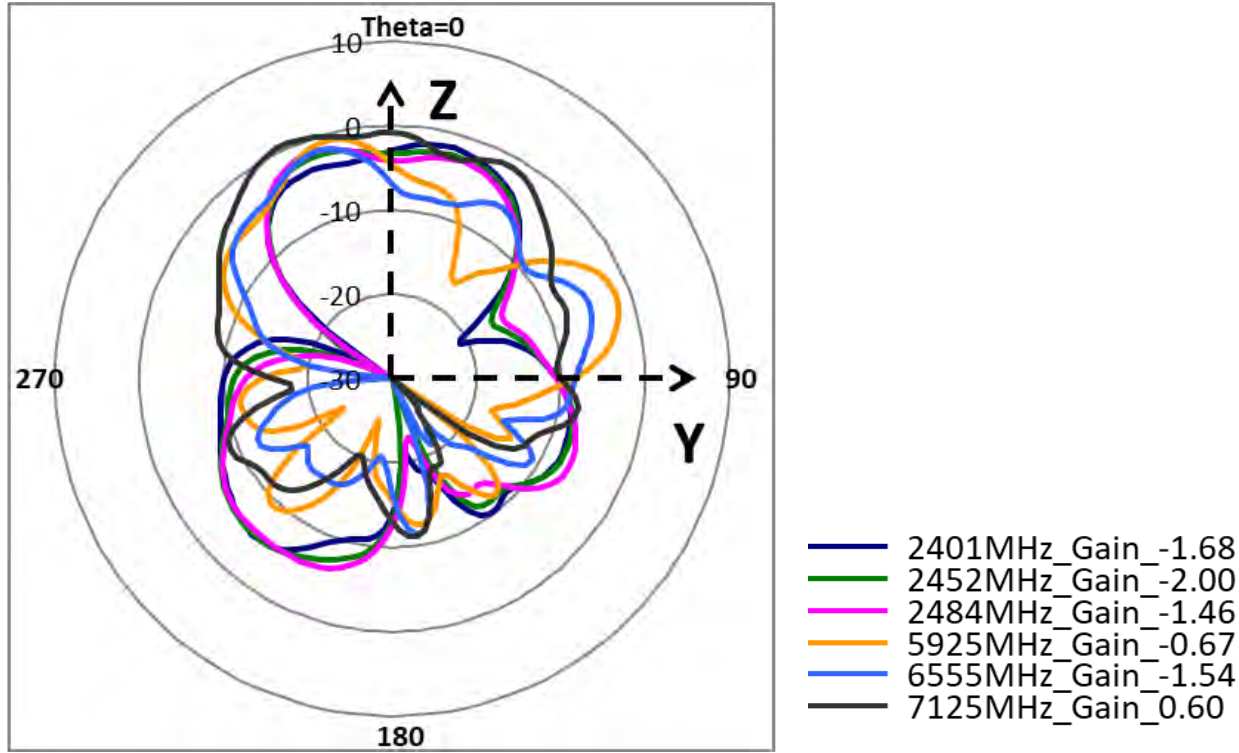
- 5925MHz_Gain_-0.50
- 6555MHz_Gain_2.40
- 7125MHz_Gain_4.09

YZ_Pol._Phi_Ant.6

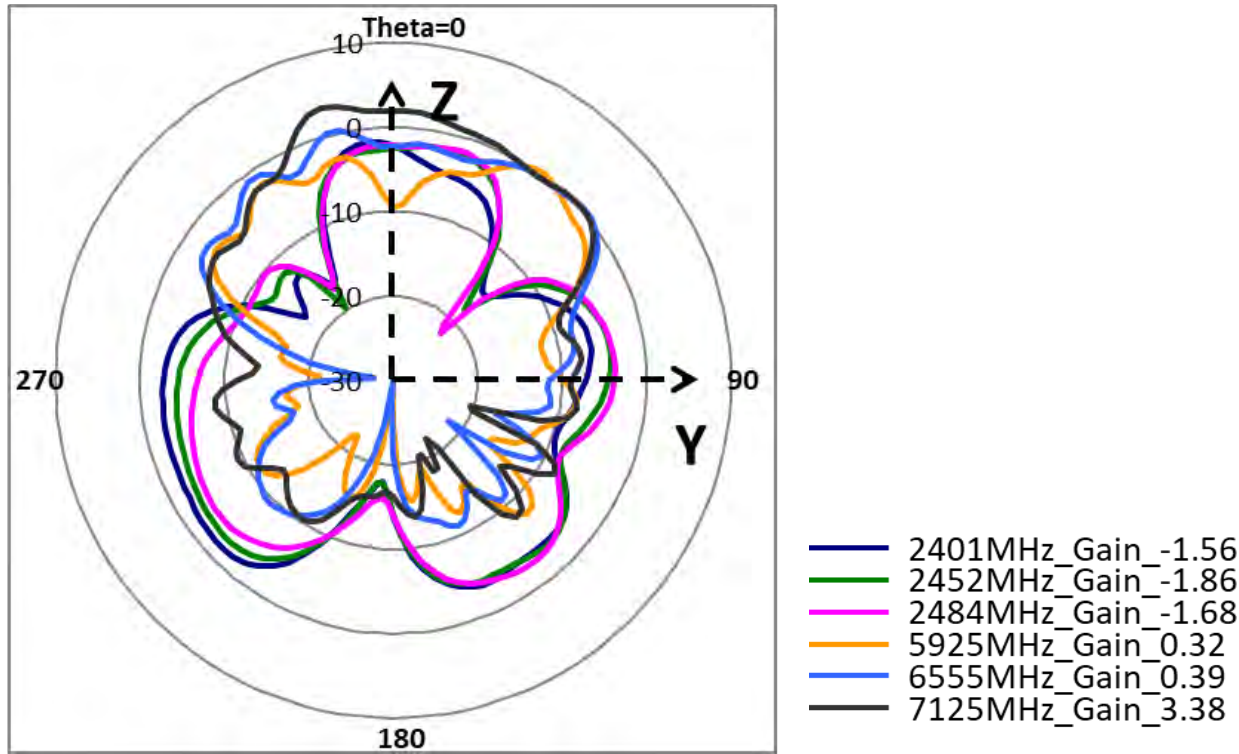


- 5925MHz_Gain_1.01
- 6555MHz_Gain_1.98
- 7125MHz_Gain_3.19

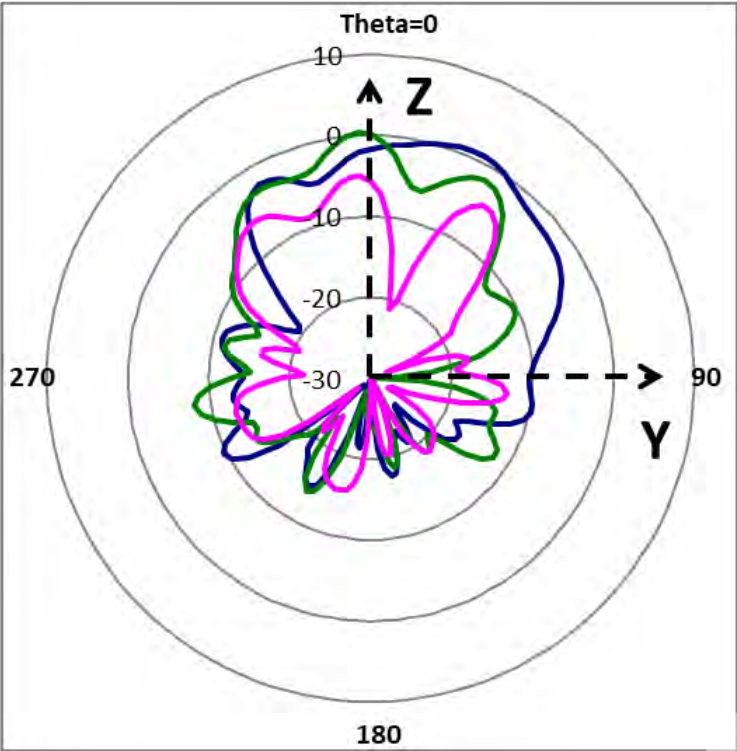
YZ_Pol._Phi_Ant.7



YZ_Pol._Phi_Ant.8

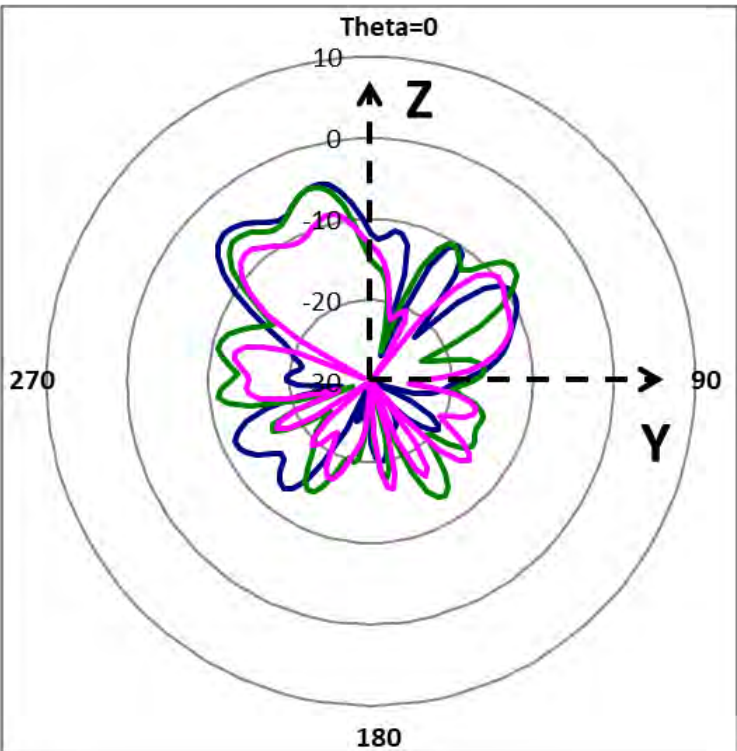


YZ_Pol._Theta_Ant.5



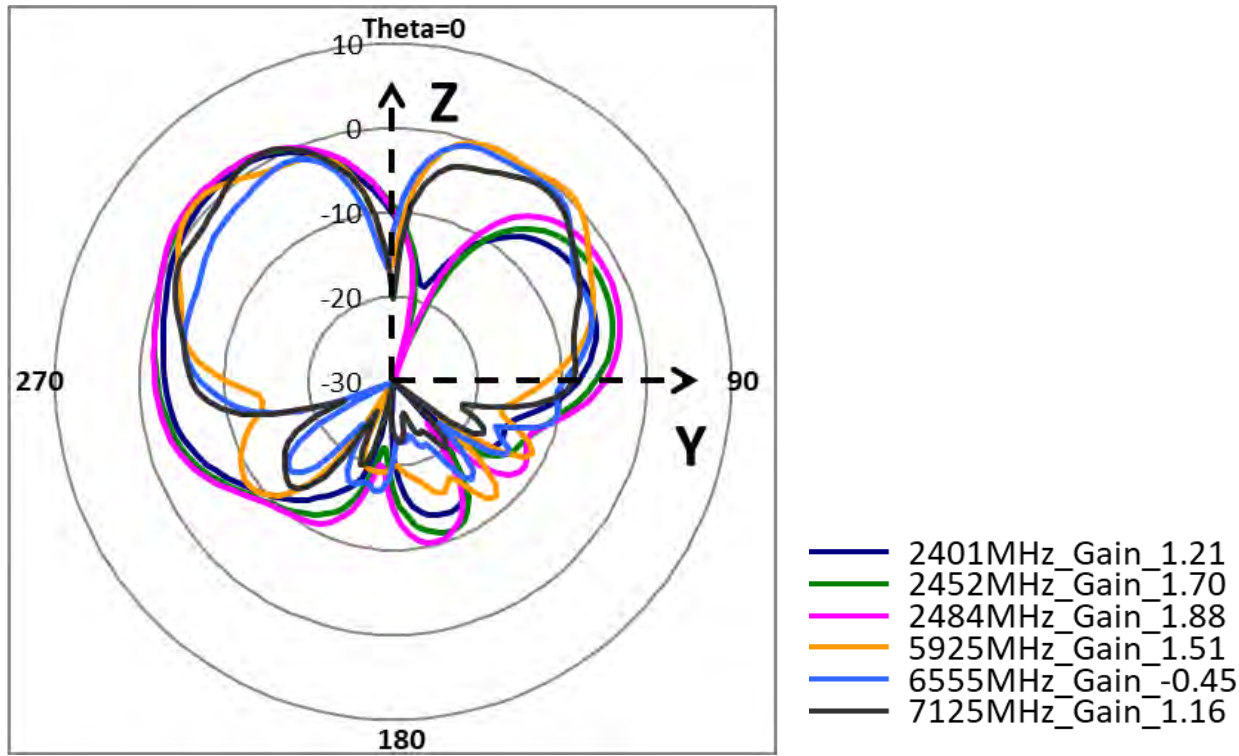
- 5925MHz_Gain_0.88
- 6555MHz_Gain_0.35
- 7125MHz_Gain_-4.62

YZ_Pol._Theta_Ant.6

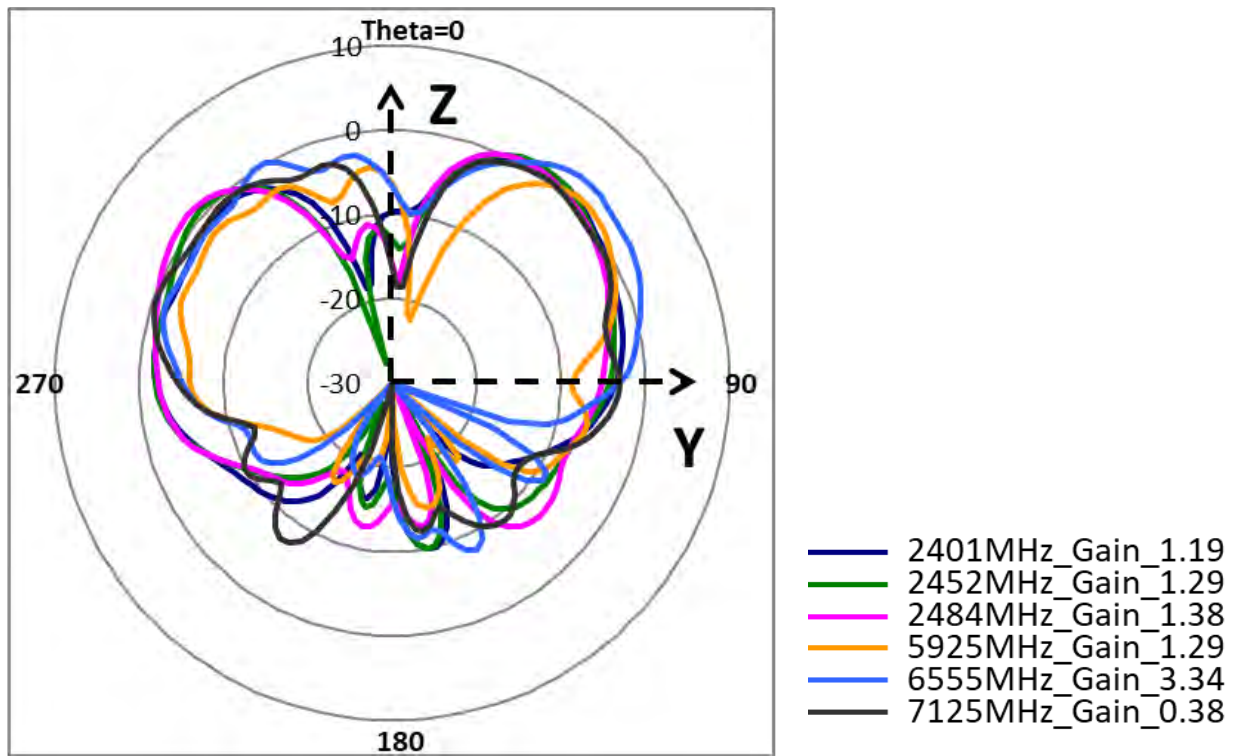


- 5925MHz_Gain_-4.34
- 6555MHz_Gain_-5.04
- 7125MHz_Gain_-7.91

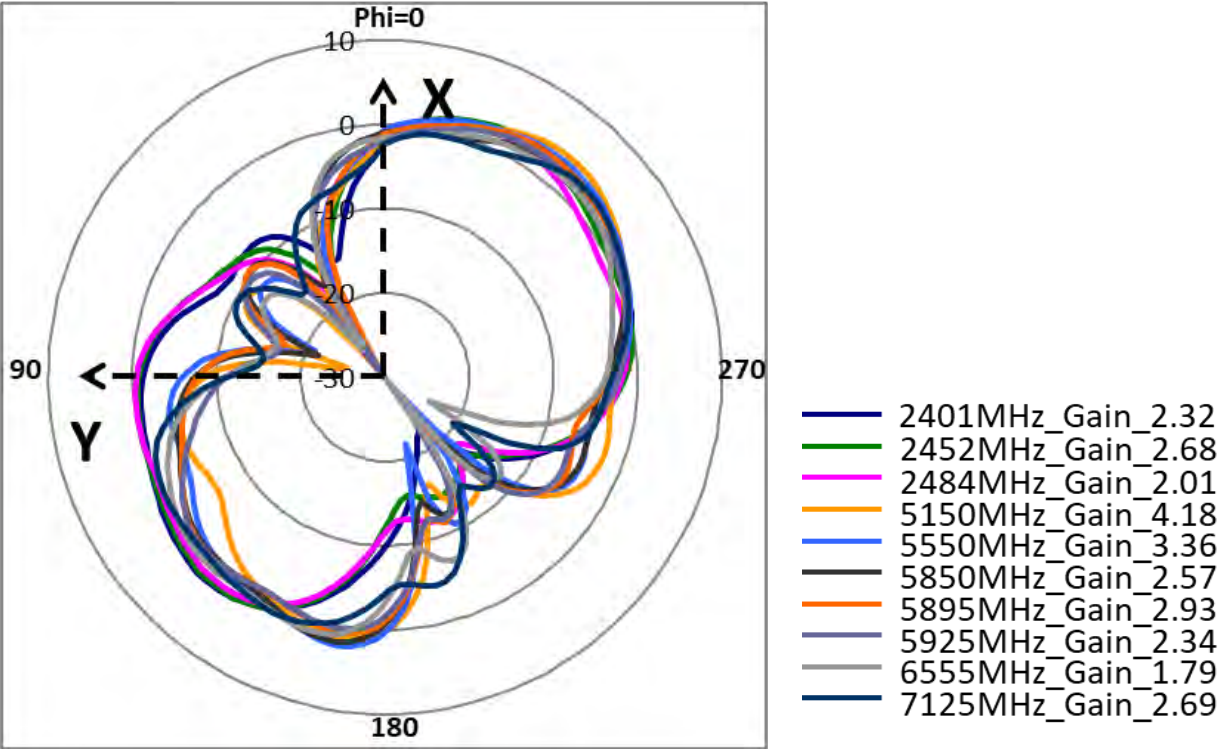
YZ_Pol._Theta_Ant.7



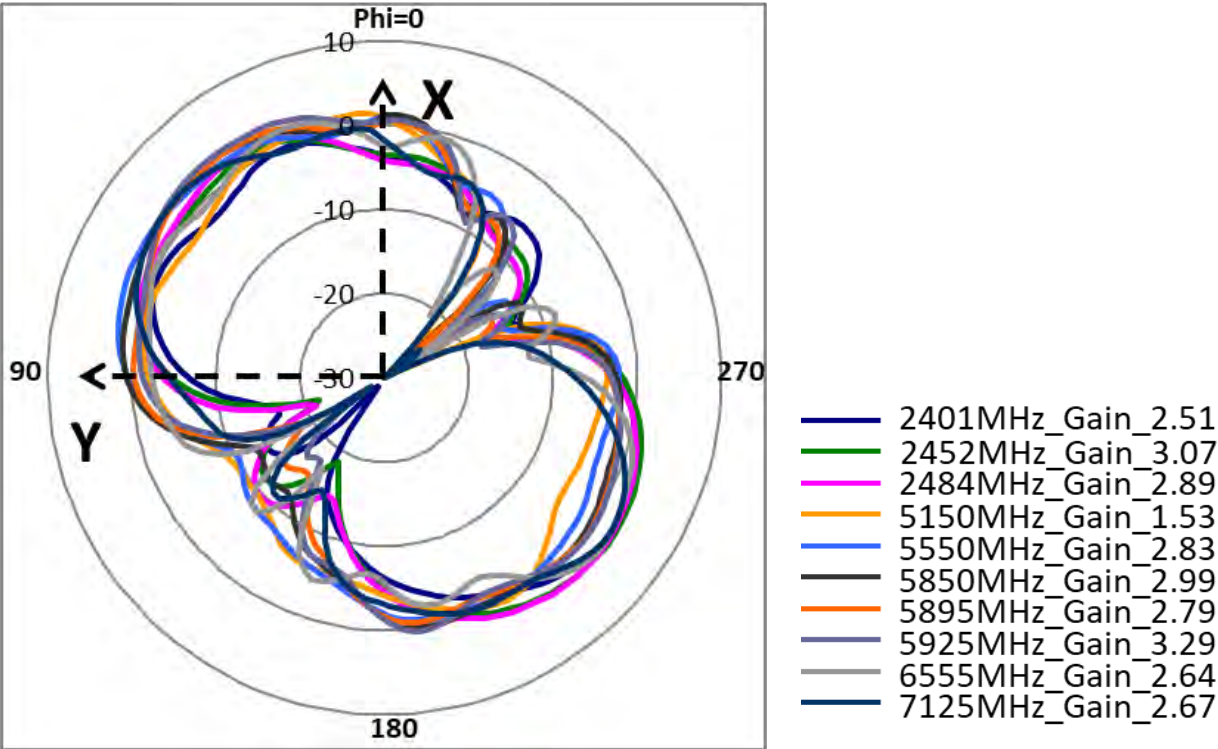
YZ_Pol._Theta_Ant.8



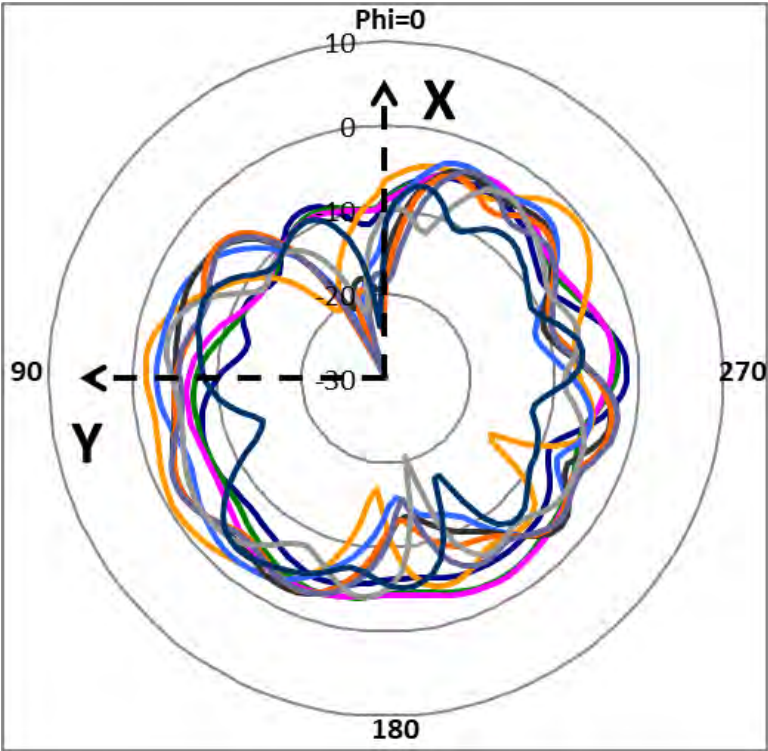
XY_Pol._Phi_Ant.9



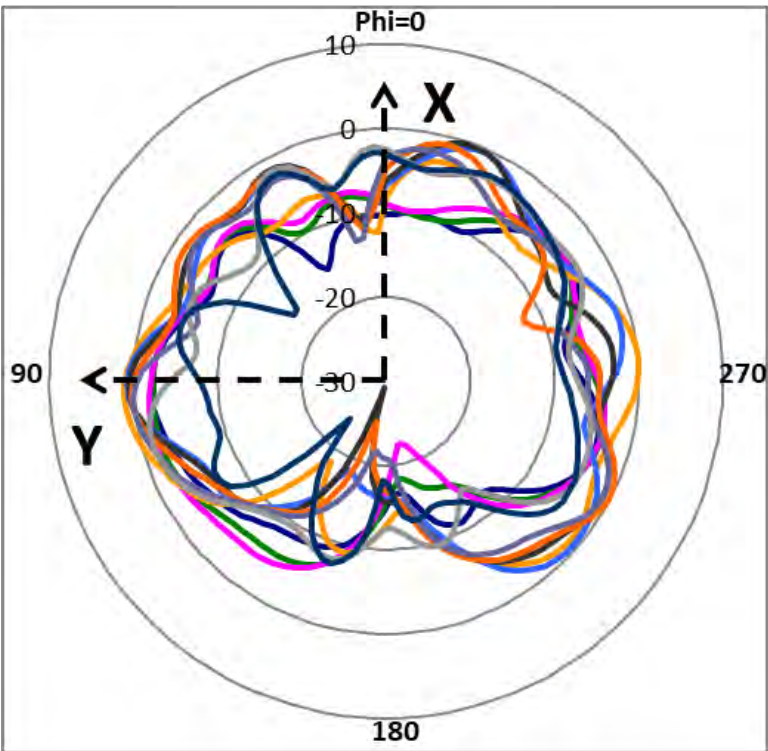
XY_Pol._Phi_Ant.10



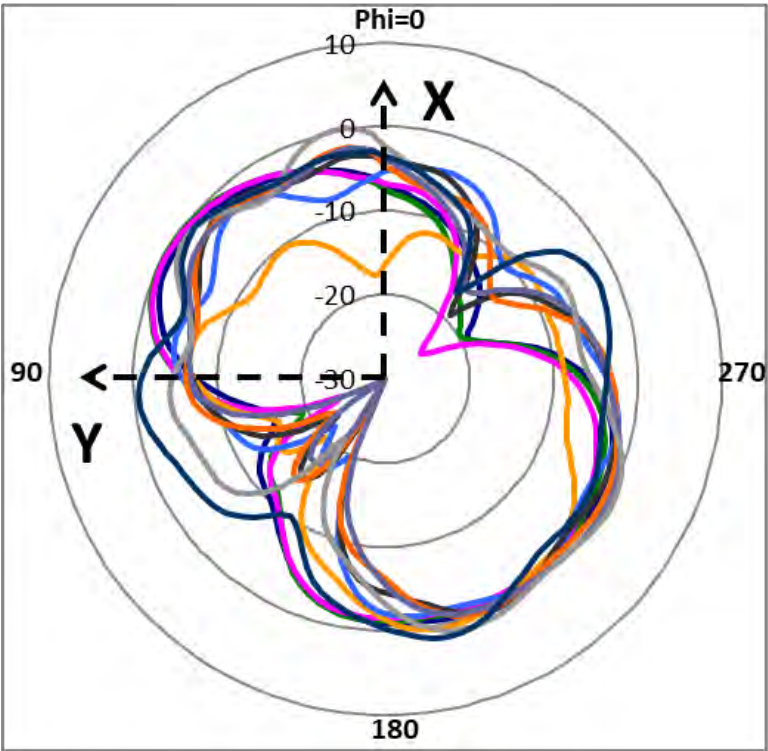
XY_Pol._Phi_Ant.11



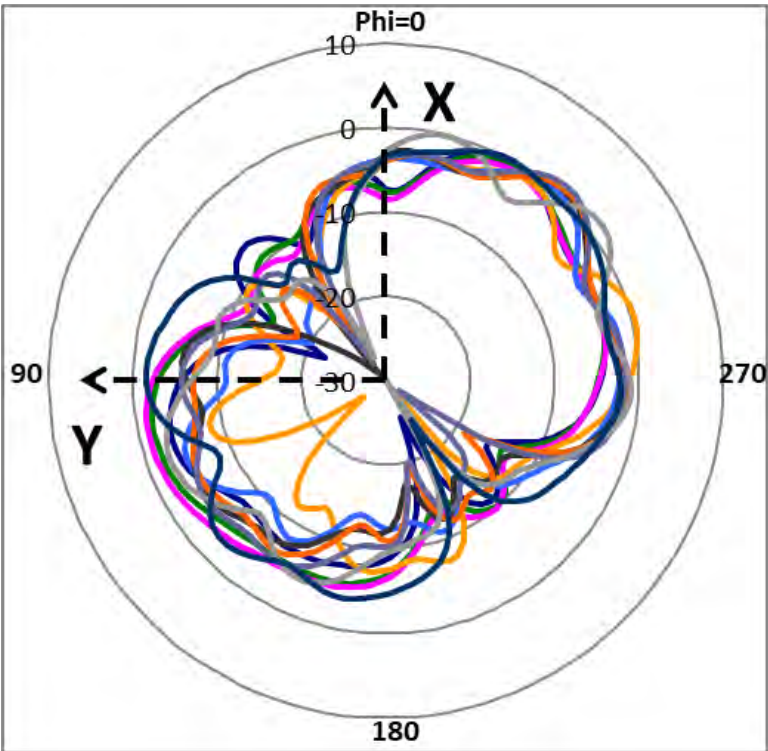
XY_Pol._Phi_Ant.12



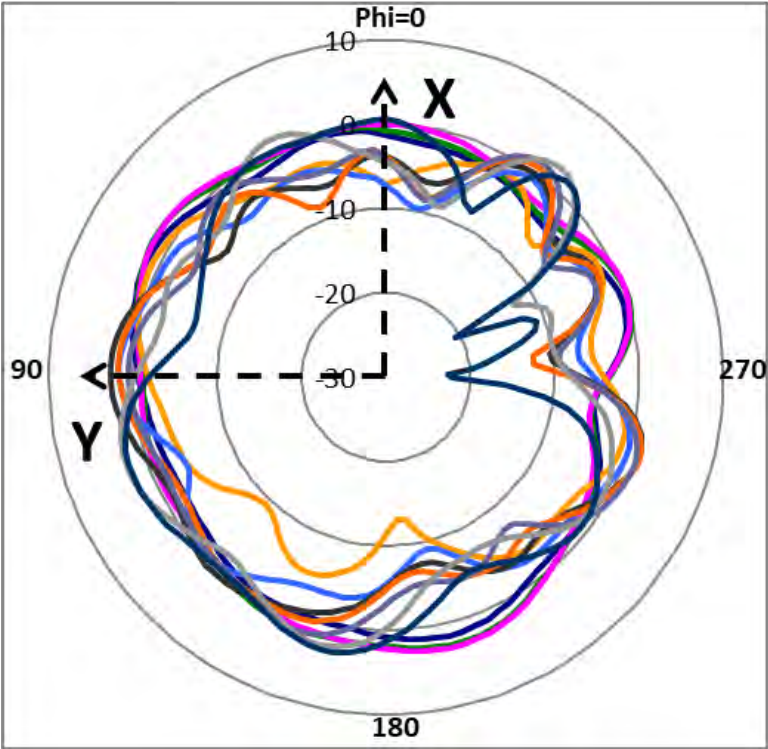
XY_Pol._Theta_Ant.9



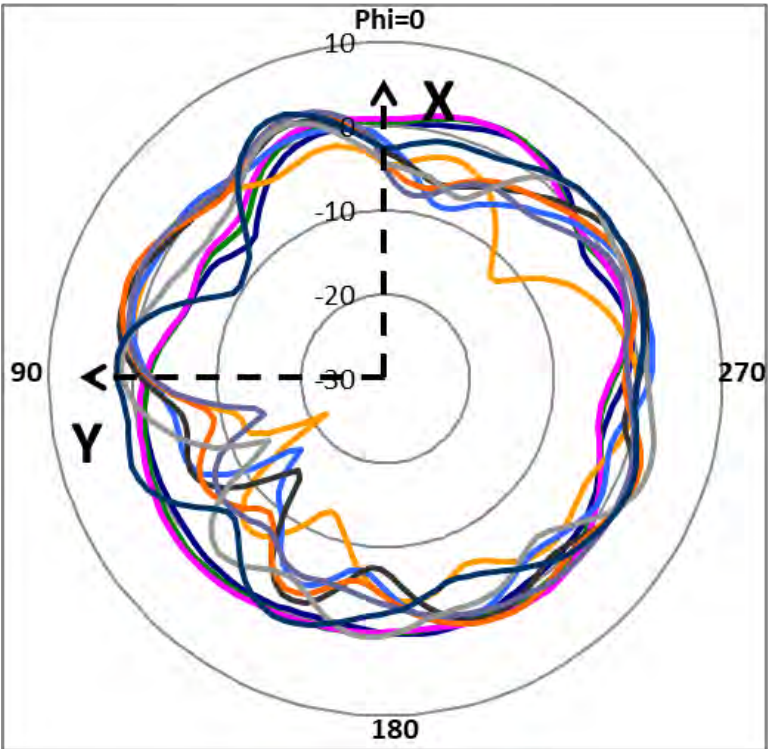
XY_Pol._Theta_Ant.10



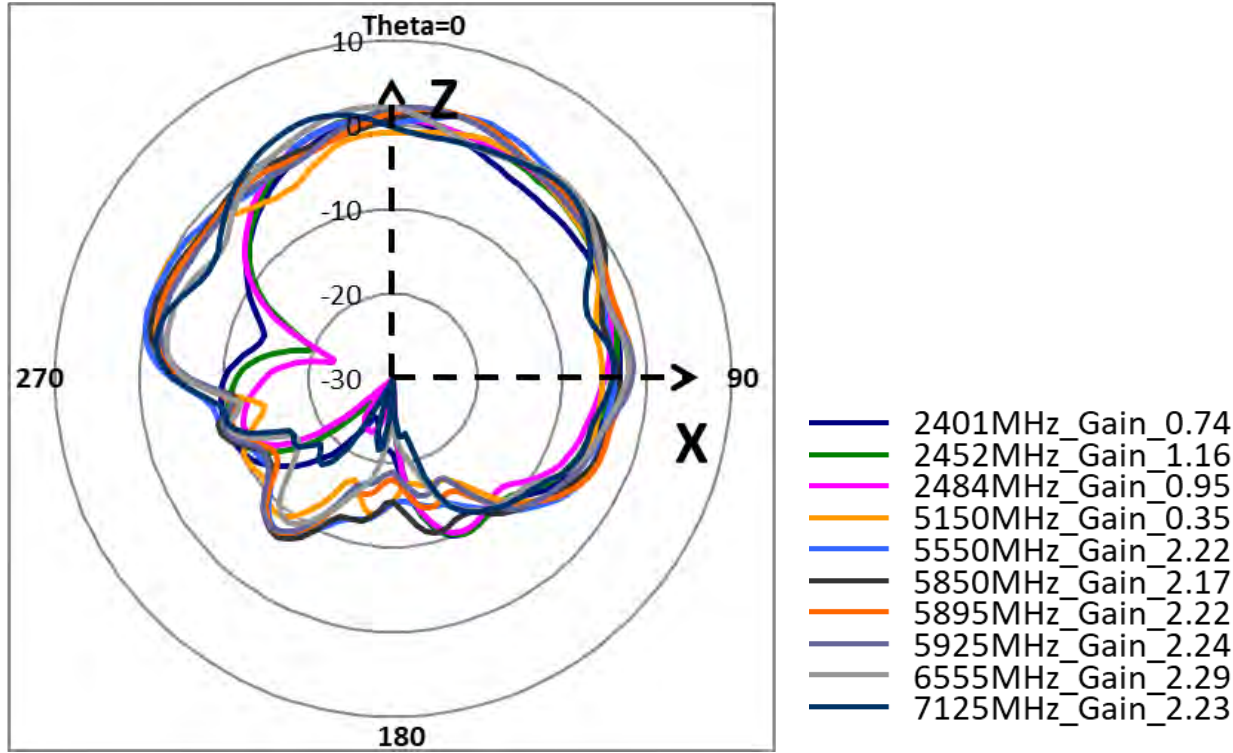
XY_Pol._Theta_Ant.11



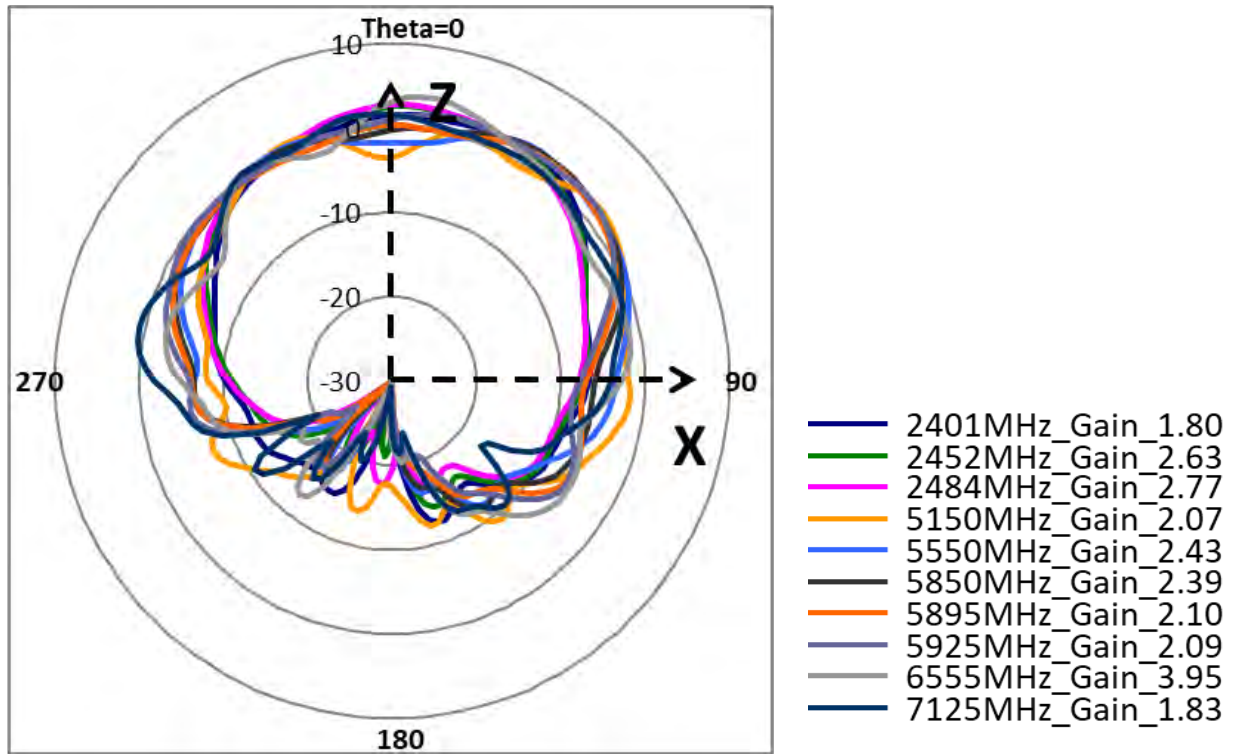
XY_Pol._Theta_Ant.12



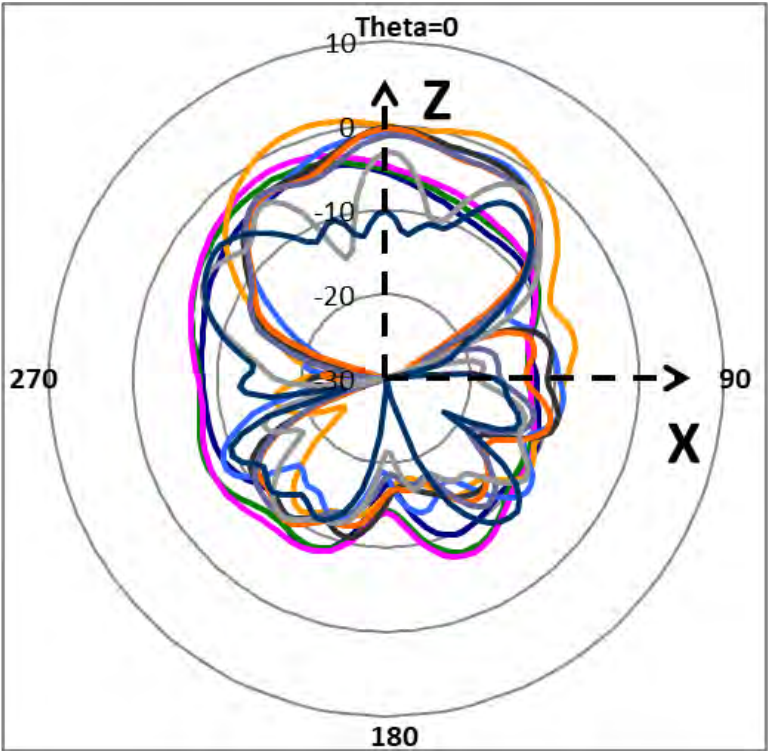
XZ_Pol._Phi_Ant.9



XZ_Pol._Phi_Ant.10

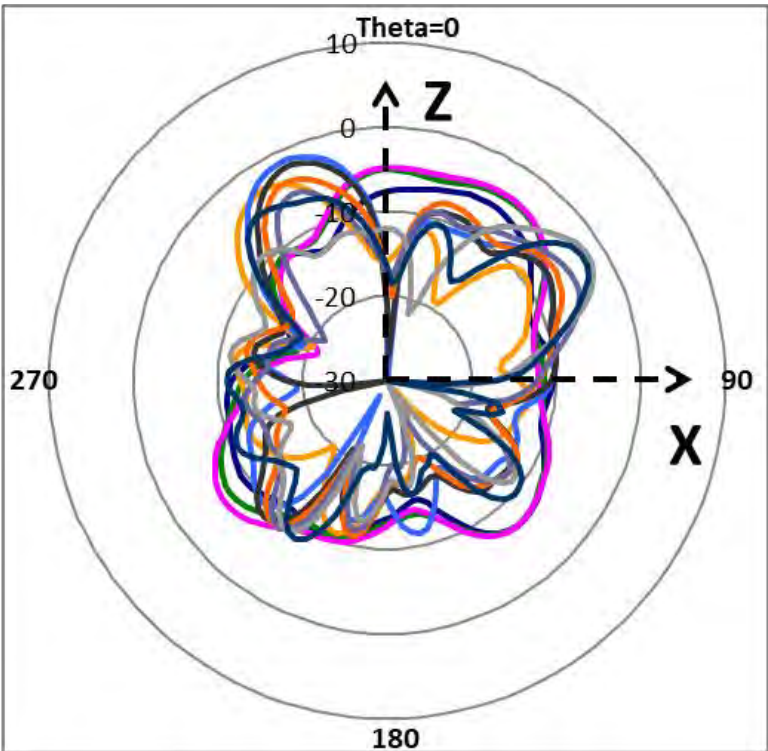


XZ_Pol._Phi_Ant.11



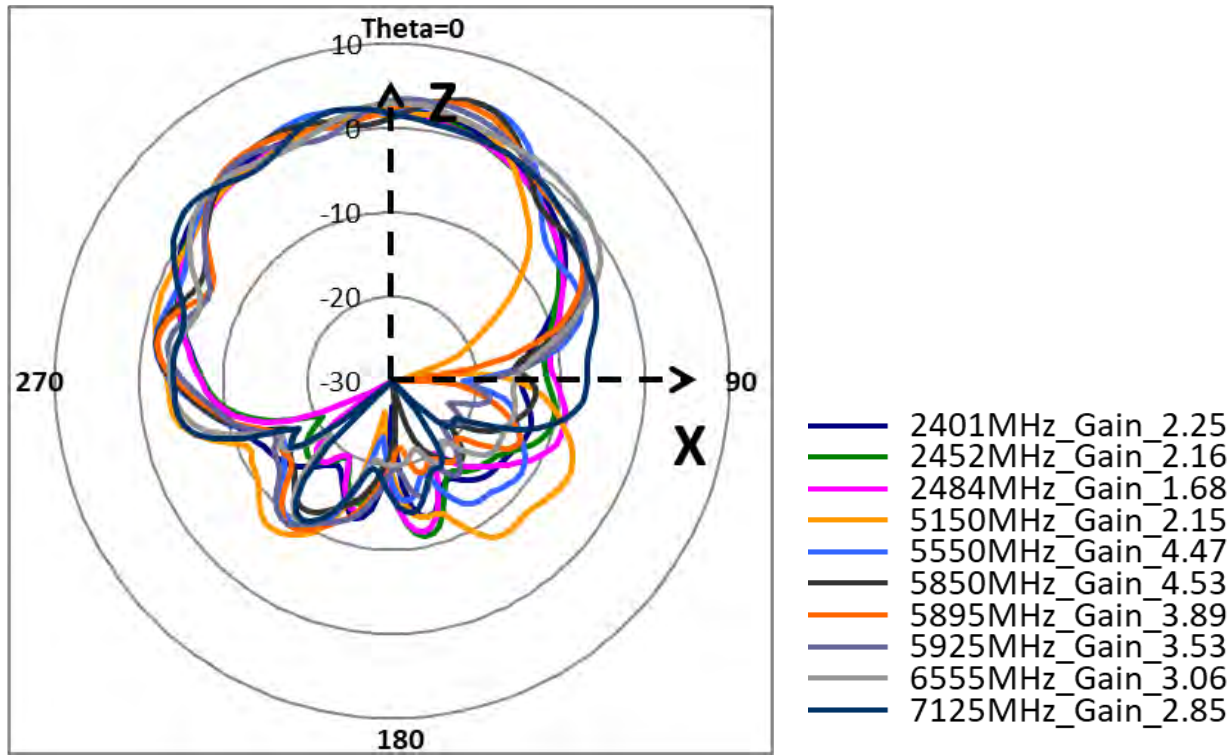
- 2401MHz_Gain_-3.94
- 2452MHz_Gain_-2.85
- 2484MHz_Gain_-1.80
- 5150MHz_Gain_1.36
- 5550MHz_Gain_-0.92
- 5850MHz_Gain_-0.18
- 5895MHz_Gain_-0.29
- 5925MHz_Gain_-1.13
- 6555MHz_Gain_-2.15
- 7125MHz_Gain_-4.56

XZ_Pol._Phi_Ant.12

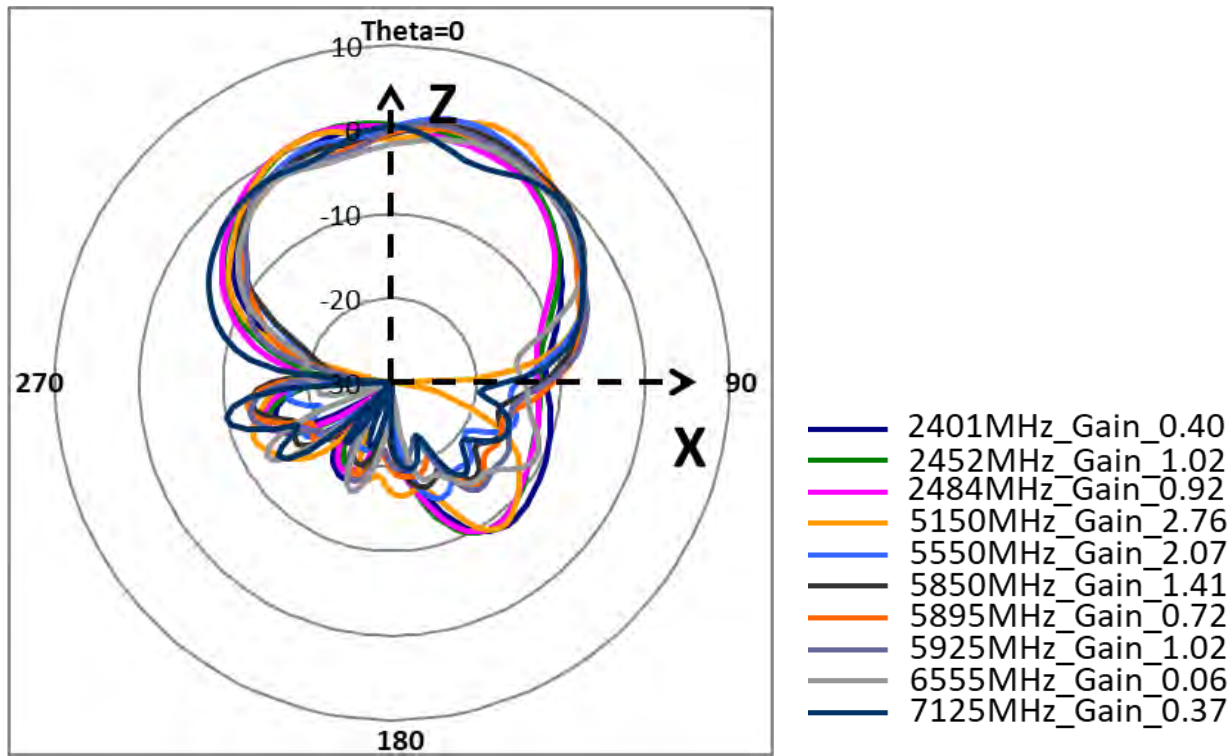


- 2401MHz_Gain_-5.81
- 2452MHz_Gain_-4.24
- 2484MHz_Gain_-3.81
- 5150MHz_Gain_-3.00
- 5550MHz_Gain_-1.28
- 5850MHz_Gain_-2.10
- 5895MHz_Gain_-3.74
- 5925MHz_Gain_-4.79
- 6555MHz_Gain_-1.96
- 7125MHz_Gain_-2.56

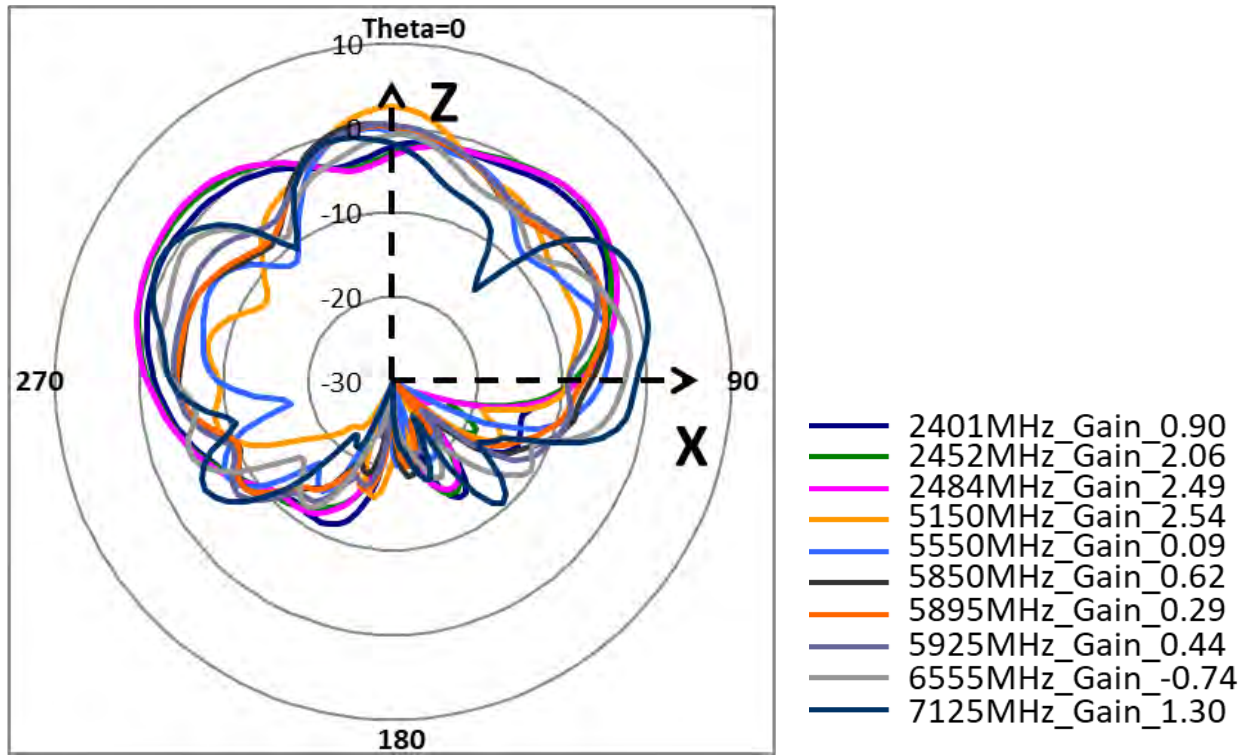
XZ_Pol._Theta_Ant.9



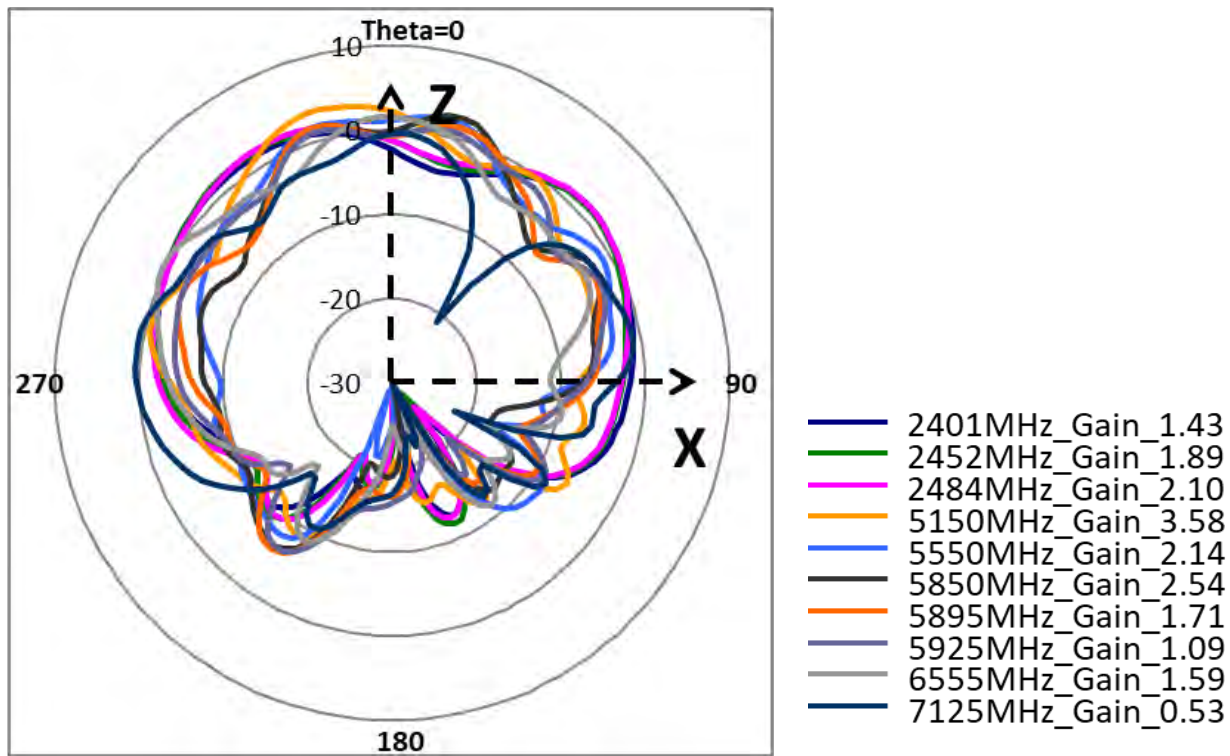
XZ_Pol._Theta_Ant.10



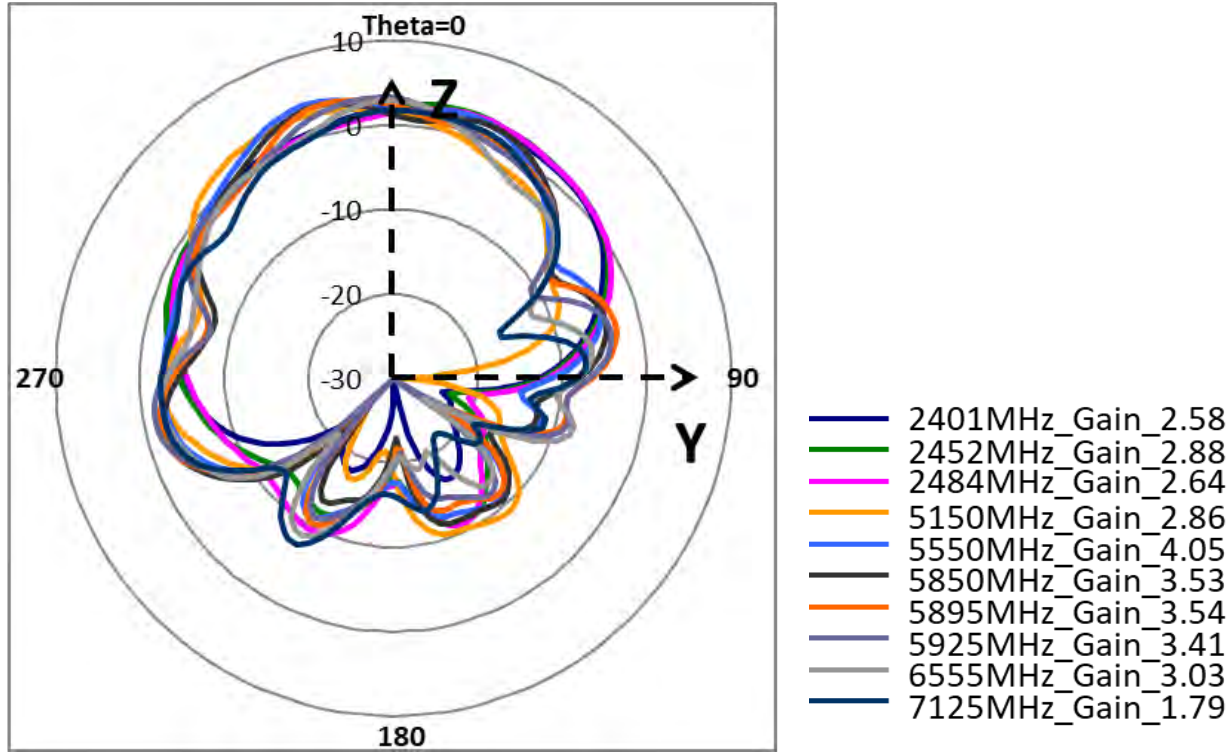
XZ_Pol._Theta_Ant.11



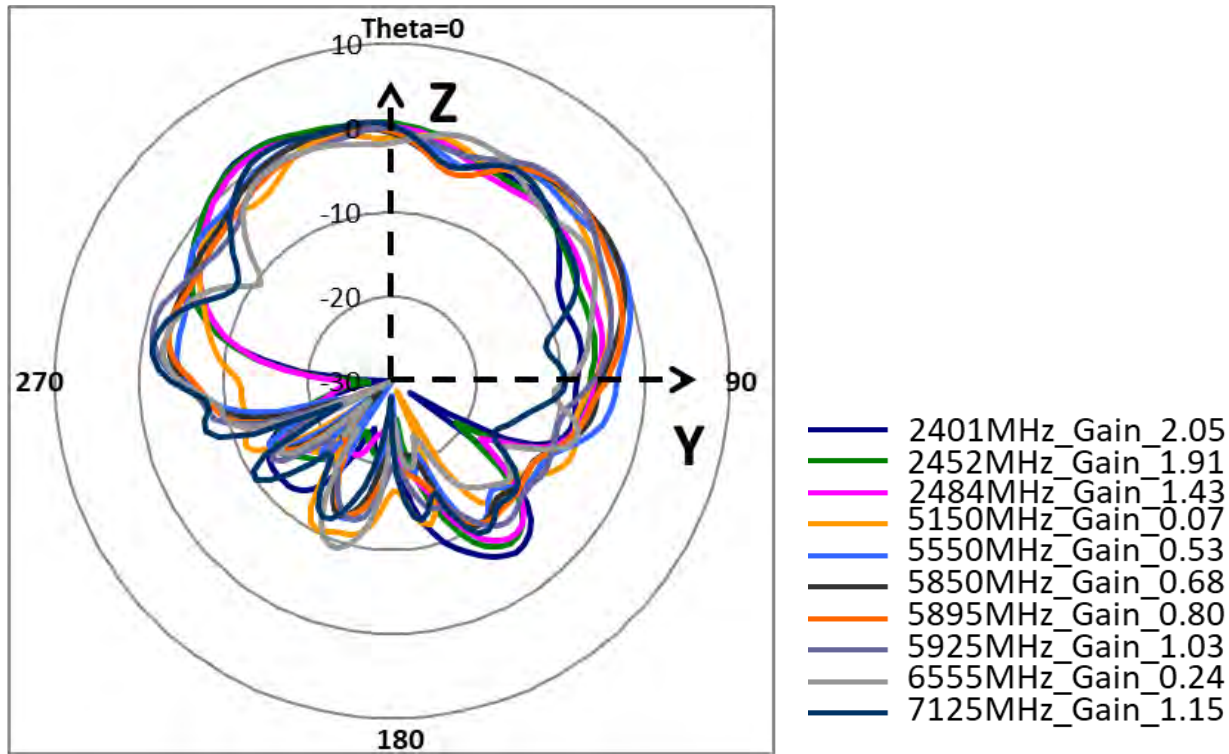
XZ_Pol._Theta_Ant.12



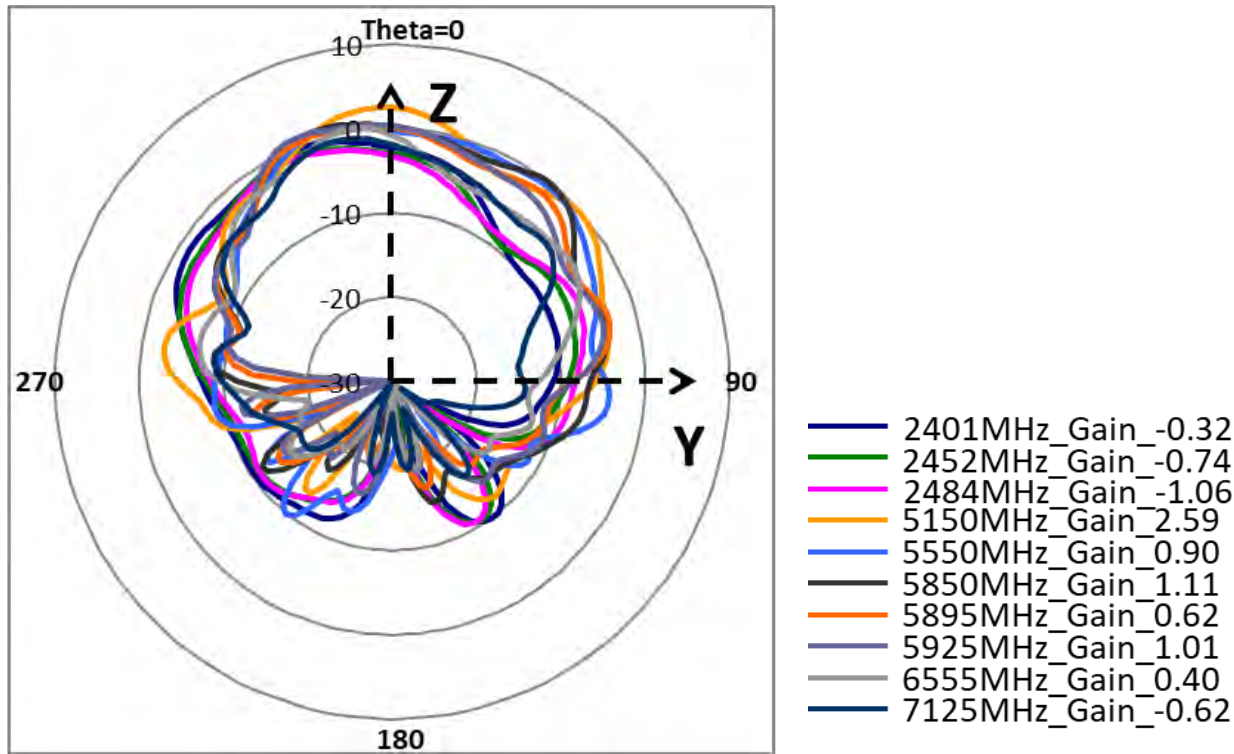
YZ_Pol._Phi_Ant.9



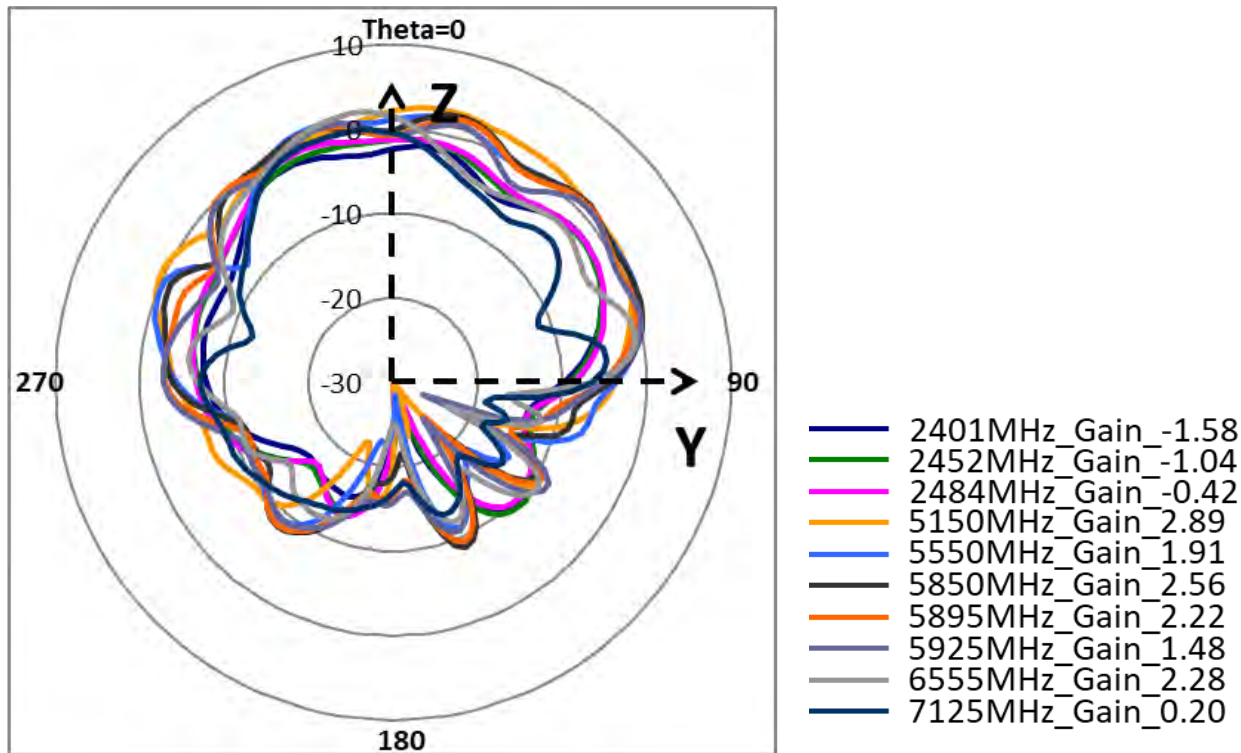
YZ_Pol._Phi_Ant.10



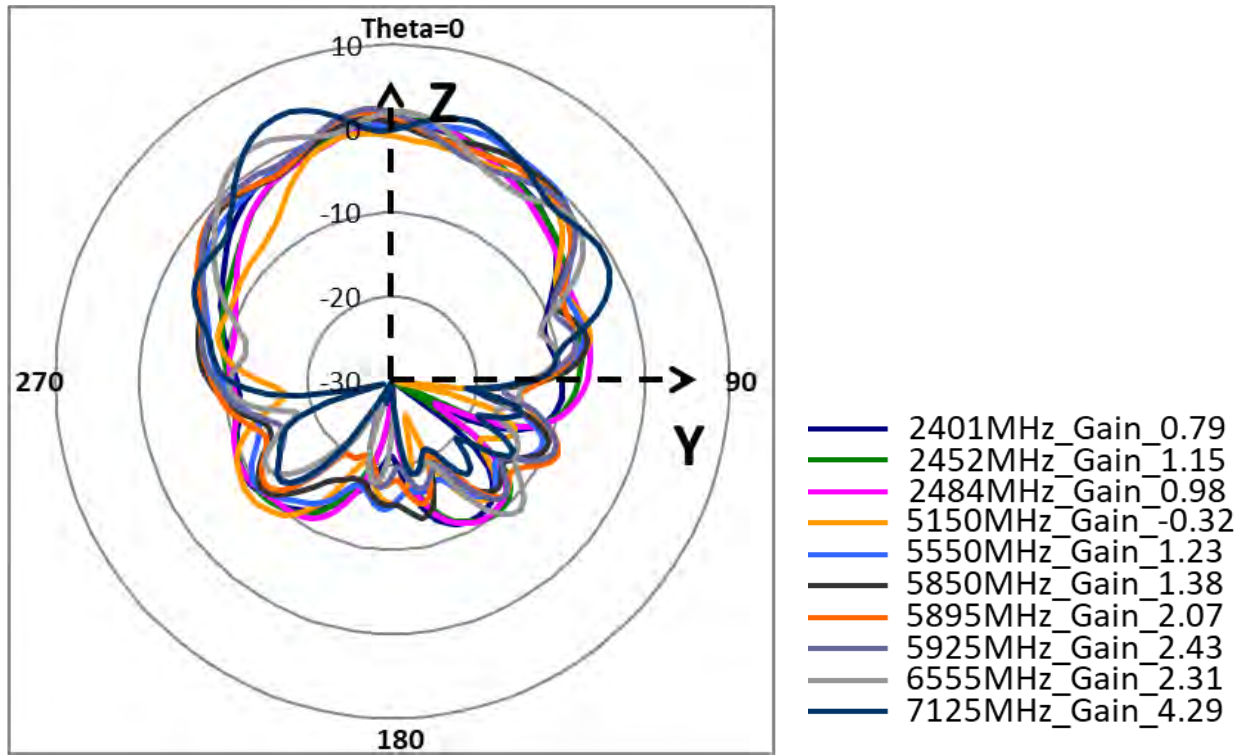
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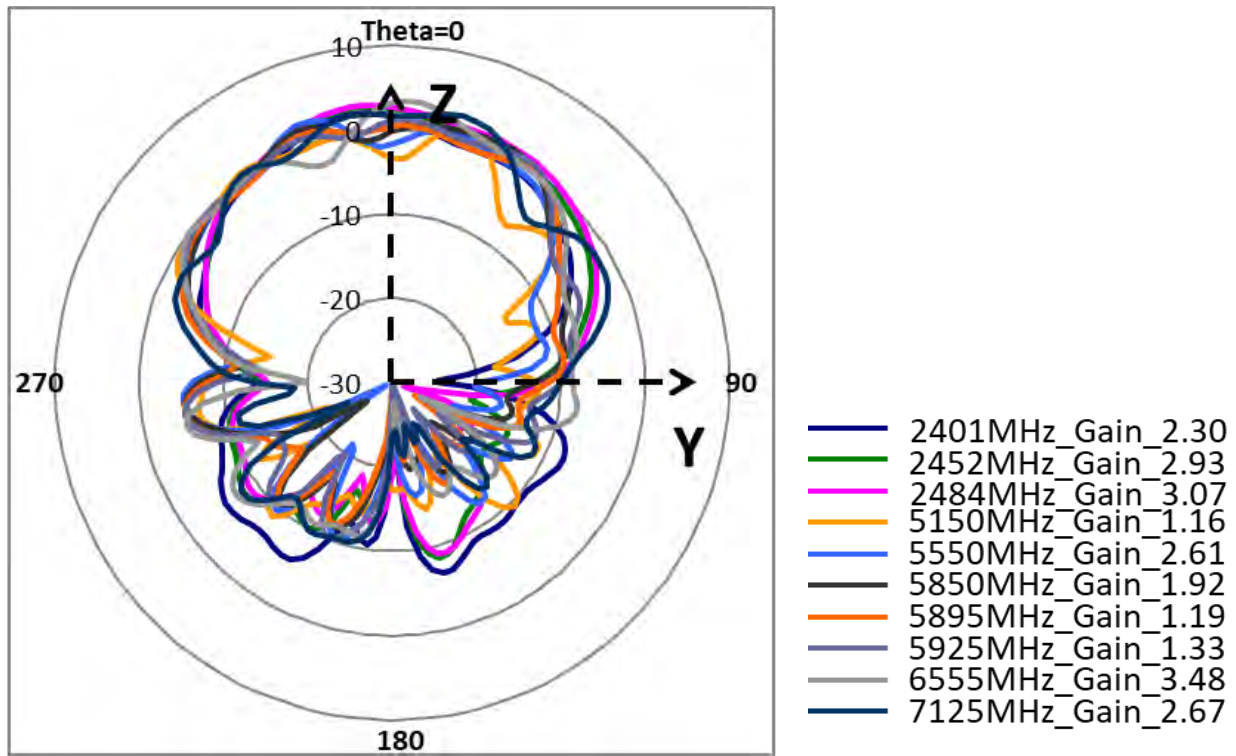
YZ_Pol._Phi_Ant.12



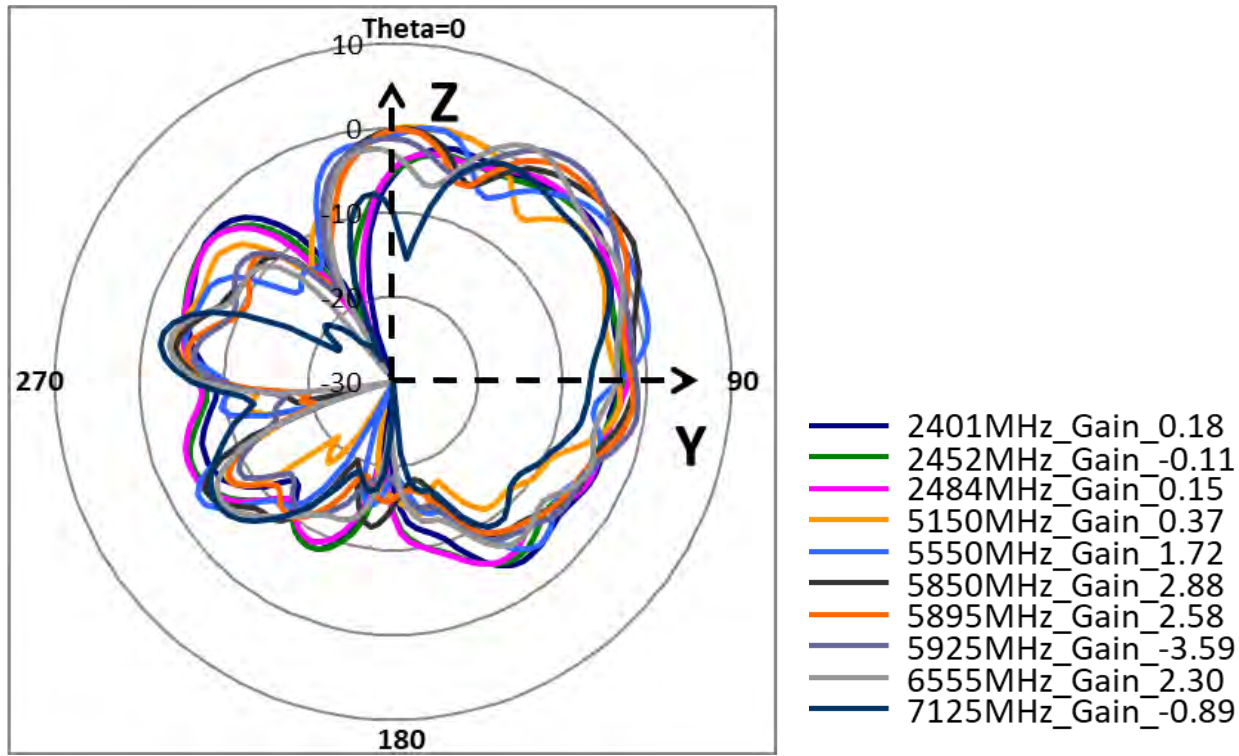
YZ_Pol._Theta_Ant.9



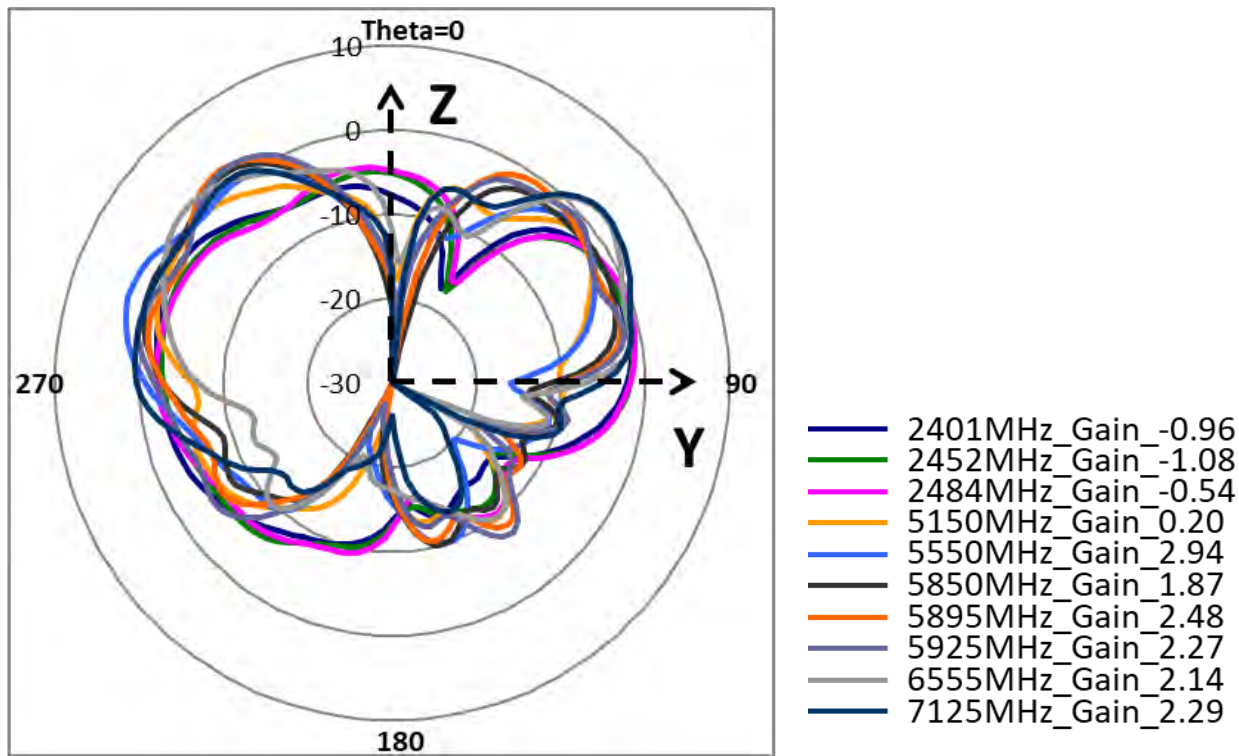
YZ_Pol._Theta_Ant.10



YZ_Pol._Theta_Ant.11

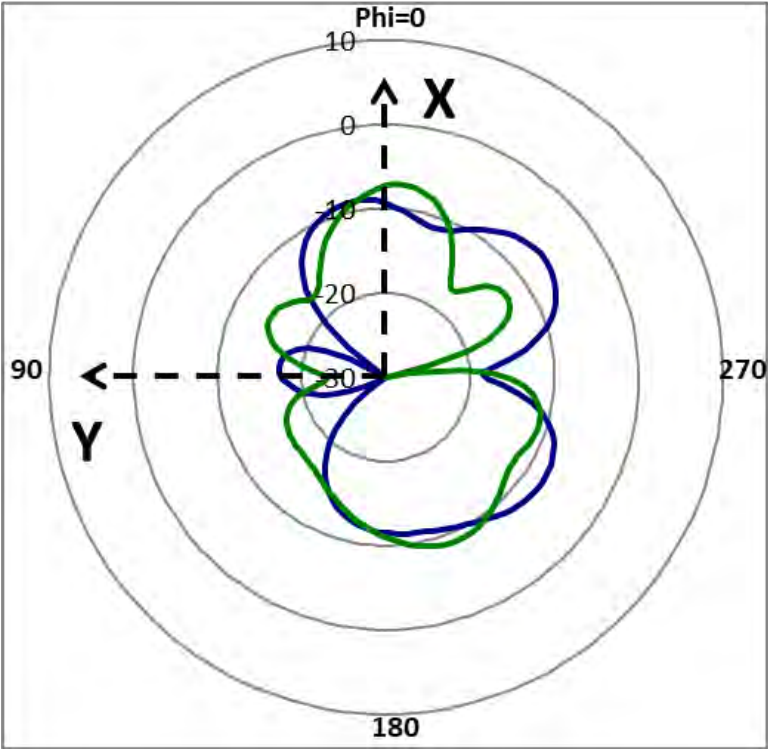


YZ_Pol._Theta_Ant.12



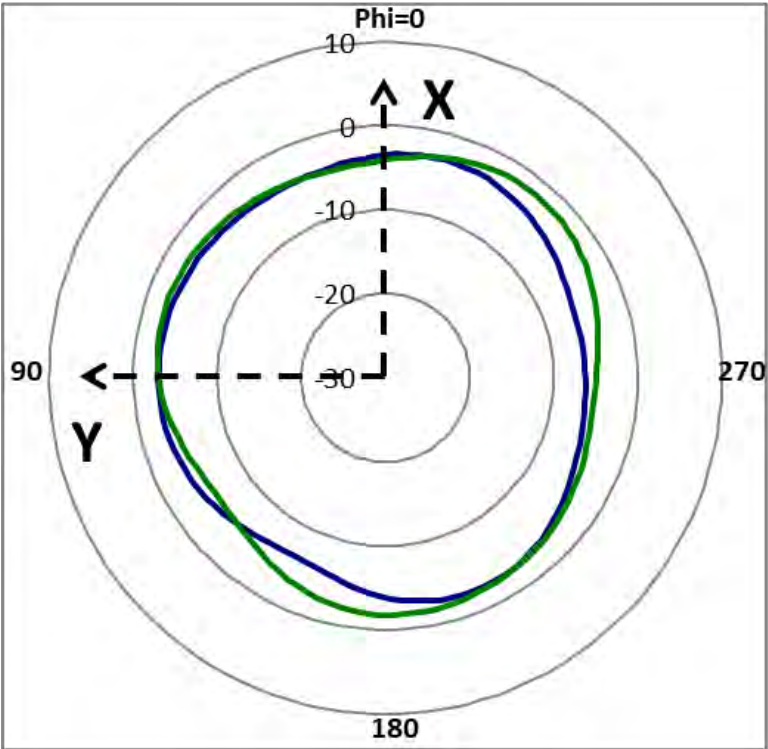
Ant. Position : GPS Ant.13

XY_Pol._Phi_Ant.13



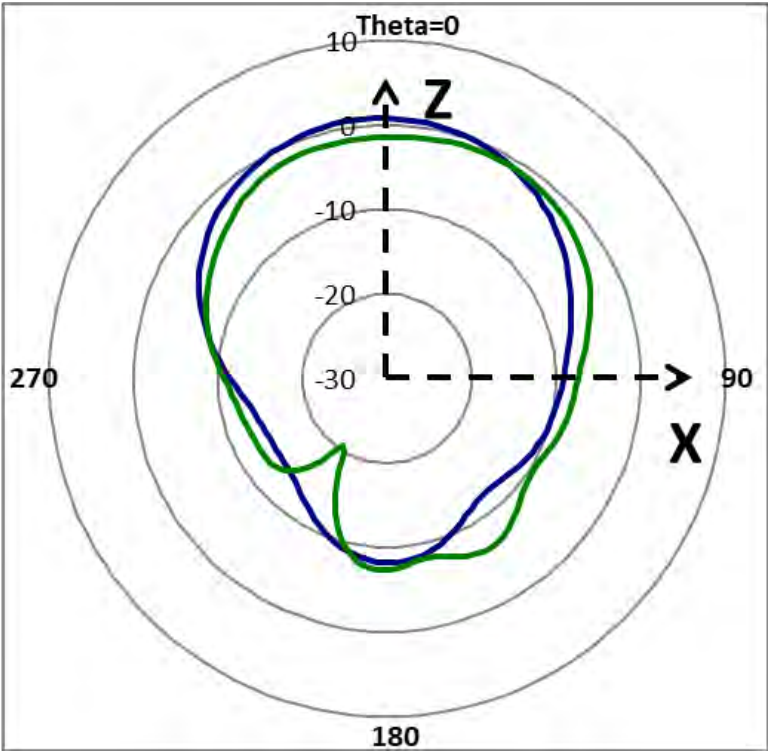
1176MHz_Gain_-6.53
1575MHz_Gain_-7.09

XY_Pol._Theta_Ant.13



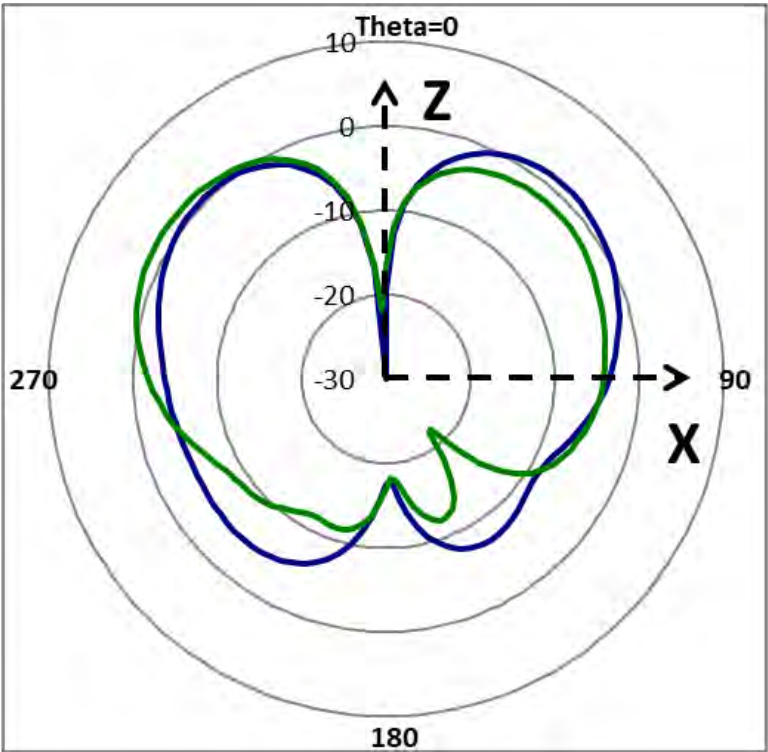
1176MHz_Gain_-2.53
1575MHz_Gain_-1.76

XZ_Pol._Phi_Ant.13



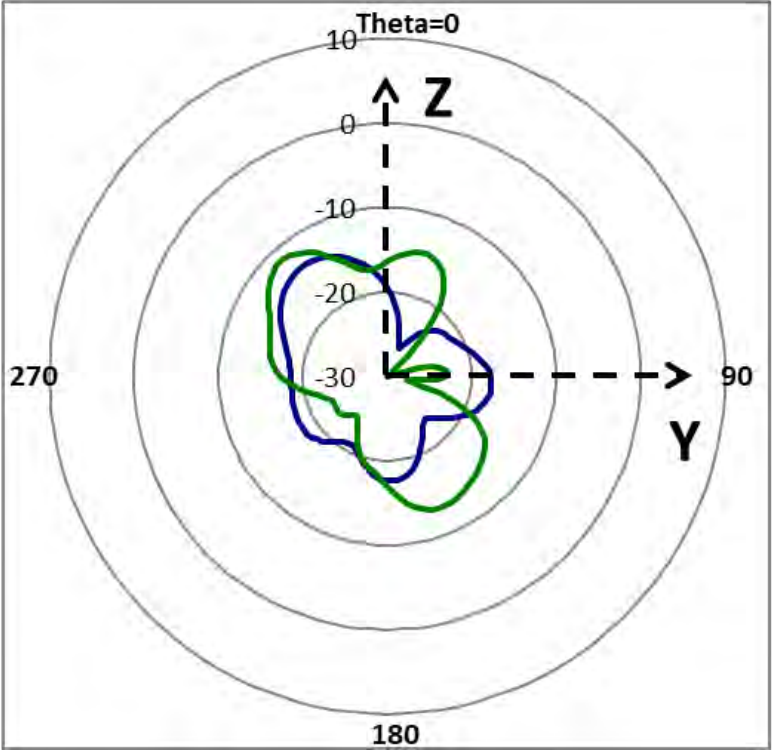
1176MHz_Gain_0.83
1575MHz_Gain_-0.88

XZ_Pol._Theta_Ant.13



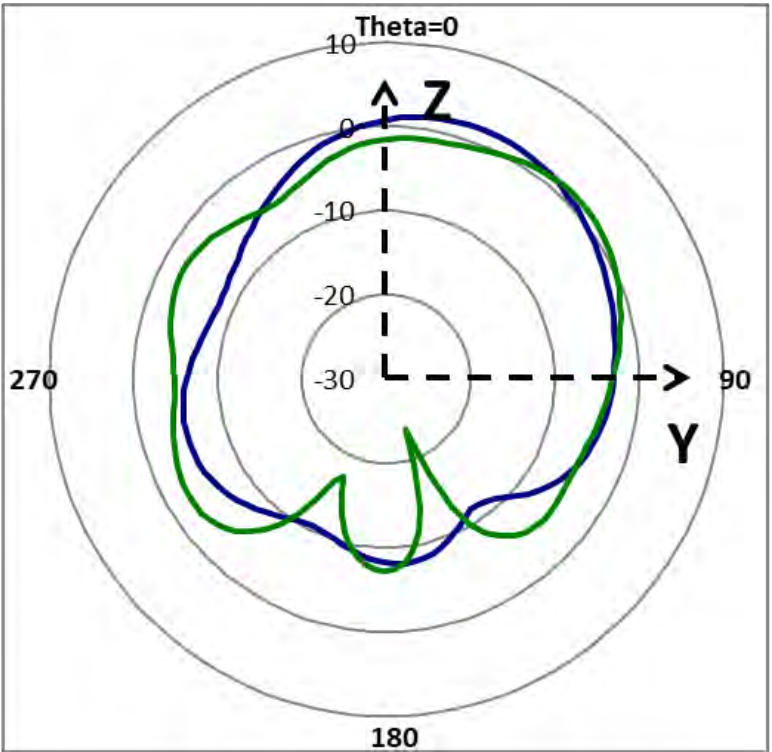
1176MHz_Gain_1.20
1575MHz_Gain_1.66

YZ_Pol._Phi_Ant.13



1176MHz_Gain_-13.57
1575MHz_Gain_-11.46

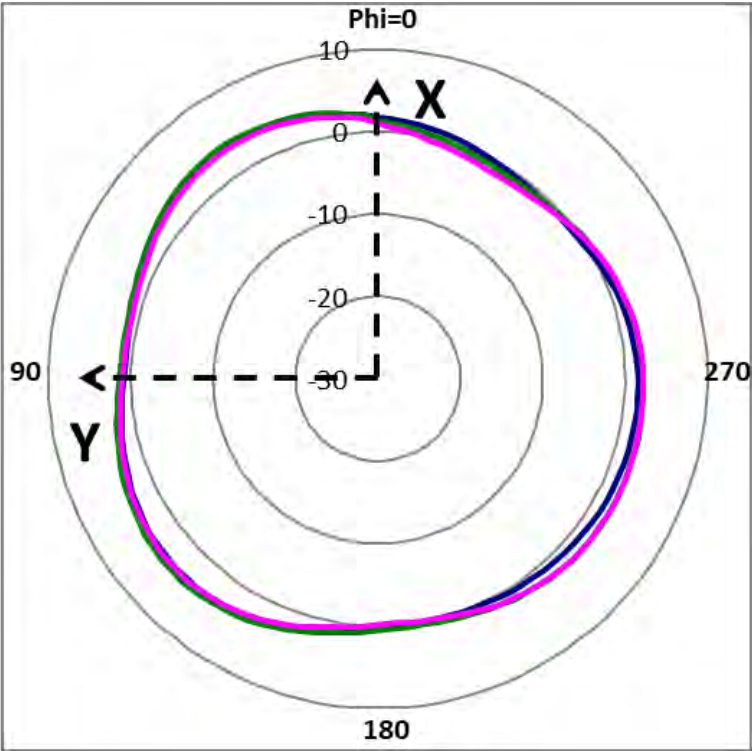
YZ_Pol._Theta_Ant.13



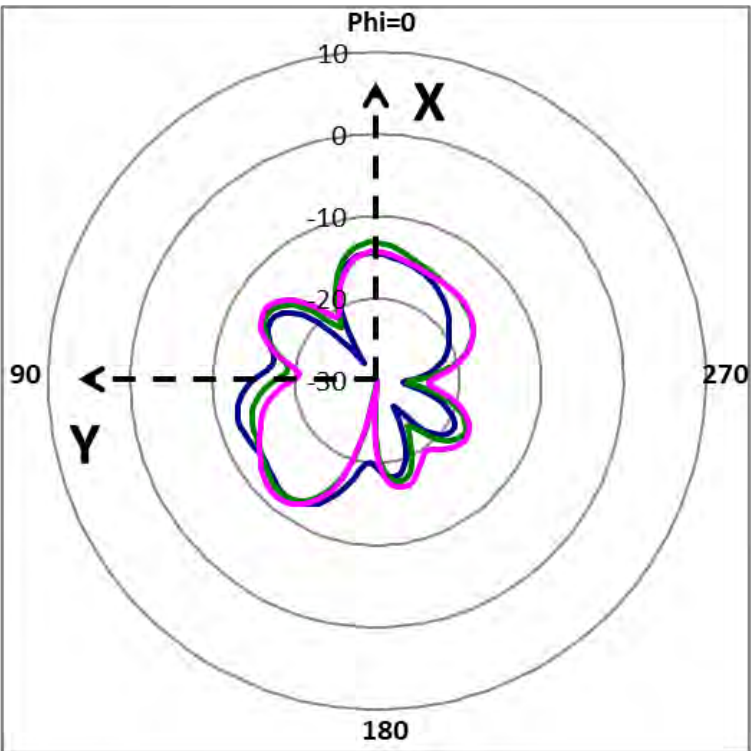
1176MHz_Gain_1.79
1575MHz_Gain_1.19

Ant. Position : BLE Ant.14

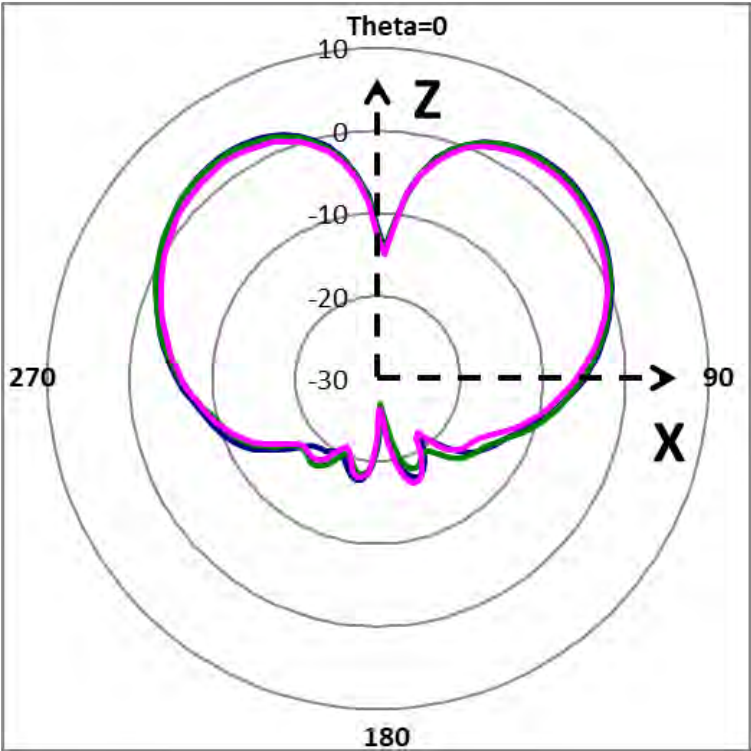
XY_Pol._Phi_Ant.14



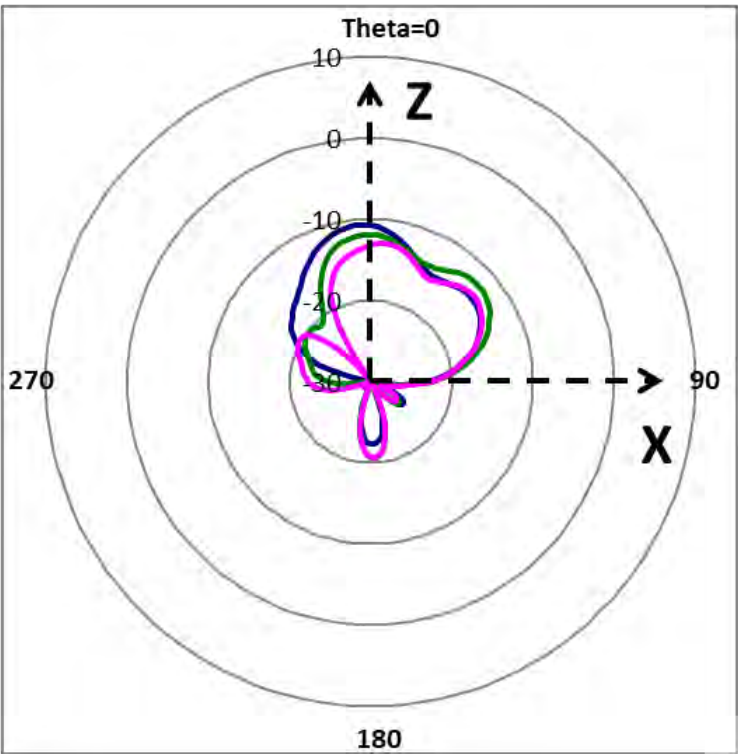
XY_Pol._Theta_Ant.14



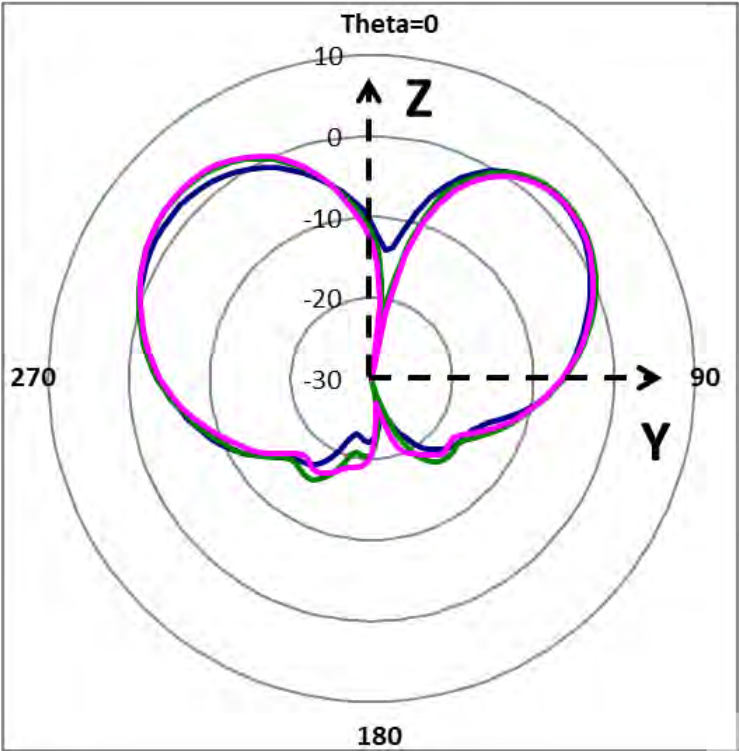
XZ_Pol._Phi_Ant.14



XZ_Pol._Theta_Ant.14

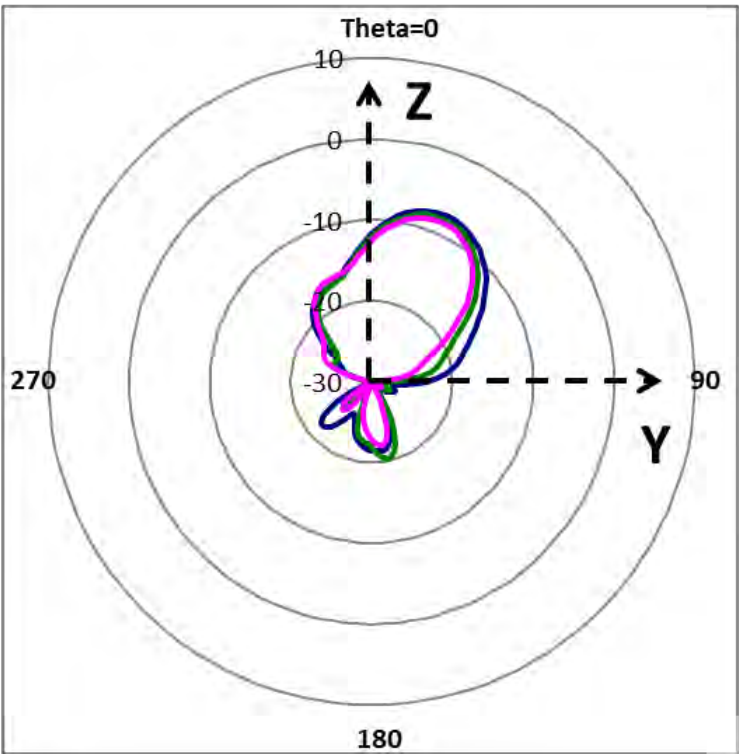


YZ_Pol._Phi_Ant.14



- 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:Azimuth)	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 (Azimuth)	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	-9.18	-8.88	-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	-2.75	-2.48	-2.48	-2.82	-3.82	-5.66	-8.31	-9.96	-10.13	-10.58	-10.74	-9.48	-8.87	-8.88	-7.07	-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	-7.70	-7.48	-6.48	-5.14	-6.16	-10.80	-13.62	-11.13	-10.07	-10.97	-11.72	-11.32	-10.28	-9.08	-7.64	-6.82	-6.88	-7.03	-7.81	-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	-7.71	-8.00	-8.20	-8.00	-6.00	-5.23	-4.11	-3.28	-4.32	-10.07	-11.40	-11.19	-10.71	-10.74	-10.98	-11.08	-10.58	-9.79	-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	-7.87	-8.08	-8.26	-8.06	-5.42	-4.67	-4.53	-4.88	-7.69	-9.87	-10.98	-12.43	-11.88	-10.19	-9.87	-10.58	-10.58	-9.90	-7.33	-6.88	-6.85	-7.28	-7.77	-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	-4.53	-5.58	-6.07	-5.38	-5.88	-4.70	-4.46	-4.70	-4.36	-7.76	-10.05	-14.88	-12.85	-9.37	-9.84	-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	-4.41	-5.35	-6.38	-6.23	-5.54	-4.34	-4.25	-4.56	-4.16	-8.86	-11.16	-16.66	-13.82	-11.30	-8.87	-9.07	-9.27	-11.98	-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	-3.36	-6.83	-6.85	-6.58	-6.08	-5.36	-4.62	-4.15	-4.10	-4.93	-6.18	-8.04	-11.62	-10.98	-10.53	-9.27	-9.26	-10.11	-12.18	-10.08	-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	-6.80	-6.81	-6.58	-6.07	-5.07	-4.33	-4.68	-4.27	-5.04	-6.95	-12.81	-12.52	-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	-3.86	-6.80	-6.87	-7.71	-8.07	-7.17	-5.88	-6.08	-5.47	-6.11	-8.68	-14.08	-12.07	-13.71	-12.18	-11.58	-11.88	-13.08	-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	-4.80	-5.00	-4.88	-4.28	-6.28	-6.26	-7.28	-7.10	-7.38	-6.95	-6.84	-6.70	-6.84	-9.87	-14.25	-13.13	-14.84	-11.36	-13.57	-14.46	-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	-5.62	-4.68	-3.07	-5.86	-5.47	-6.48	-6.12	-5.31	-5.75	-5.75	-6.28	-6.28	-9.58	-15.60	-14.56	-15.57	-10.18	-14.88	-15.82	-17.82	-17.82	-13.78	-12.72	-7.63	-7.10	-7.55	-8.18	-8.13	-7.38	
65	0.27	-0.48	-1.68	-3.03	-3.91	-4.14	-4.58	-5.48	-5.48	-5.47	-4.28	-4.08	-6.11	-5.50	-5.58	-5.22	-4.28	-4.68	-4.68	-4.84	-5.16	-7.43	-15.21	-14.40	-15.01	-10.83	-14.86	-15.88	-17.82	-17.82	-14.11	-13.70	-7.86	-7.64	-8.27	-8.14	-8.13	-7.38	
70	0.27	-0.41	-1.56	-2.88	-3.71	-3.88	-4.15	-5.08	-4.84	-5.58	-4.44	-3.38	-5.18	-5.58	-5.78	-5.44	-4.40	-4.82	-4.88	-5.58	-6.31	-8.07	-16.82	-15.82	-16.82	-10.83	-16.88	-17.14	-17.14	-14.07	-13.84	-7.88	-7.88	-8.38	-8.38	-8.13	-8.13	-7.38	
75	0.27	-0.35	-1.44	-2.70	-3.58	-3.88	-4.08	-4.88	-4.88	-5.28	-4.88	-3.88	-5.28	-5.88	-5.88	-5.48	-4.40	-4.82	-4.88	-5.58	-6.31	-8.07	-17.81	-16.81	-17.81	-11.82	-17.81	-18.07	-18.07	-14.84	-14.84	-7.98	-7.98	-8.48	-8.48	-8.13	-8.13	-7.38	
80	0.27	-0.28	-1.32	-2.51	-3.17	-3.88	-3.88	-4.88	-4.88	-5.18	-4.88	-3.88	-5.18	-5.88	-5.88	-5.48	-4.40	-4.82	-4.88	-5.58	-6.31	-8.07	-18.81	-17.81	-18.81	-12.82	-18.81	-19.07	-19.07	-15.84	-15.84	-8.08	-8.08	-8.58	-8.58	-8.13	-8.13	-7.38	
85	0.27	-0.22	-1.19	-2.28	-2.88	-3.88	-3.44	-4.53	-4.61	-4.98	-4.36	-3.36	-4.61	-5.36	-5.36	-5.08	-4.18	-4.60	-4.64	-5.36	-6.14	-7.88	-19.81	-18.81	-19.81	-13.82	-19.81	-20.07	-20.07	-16.84	-16.84	-8.18	-8.18	-8.68	-8.68	-8.13	-8.13	-7.38	
90	0.27	-0.15	-1.06	-2.08	-2.53	-3.81	-3.84	-4.78	-4.68	-5.18	-4.40	-3.38	-4.68	-5.38	-5.38	-5.08	-4.18	-4.60	-4.64	-5.36	-6.14	-7.88	-20.81	-19.81	-20.81	-14.82	-20.81	-21.07	-21.07	-17.84	-17.84	-8.28	-8.28	-8.78	-8.78	-8.13	-8.13	-7.38	
95	0.27	-0.09	-0.92	-1.81	-2.18	-3.14	-3.54	-4.52	-4.35	-4.84	-4.03	-3.03	-4.34	-5.04	-5.04	-4.74	-3.84	-4.26	-4.30	-5.02	-5.80	-7.54	-21.81	-20.81	-21.81	-15.82	-21.81	-22.07	-22.07	-18.84	-18.84	-8.38	-8.38	-8.88	-8.88	-8.13	-8.13	-7.38	
100	0.27	-0.03	-0.78	-1.56	-1.88	-2.87	-3.18	-4.03	-4.48	-4.10	-3.48	-2.48	-3.78	-4.48	-4.48	-4.18	-3.28	-3.68	-3.68	-4.40	-5.18	-6.88	-22.81	-21.81	-22.81	-16.82	-22.81	-23.07	-23.07	-19.84	-19.84	-8.48	-8.48	-8.98	-8.98	-8.13	-8.13	-7.38	
105	0.27	0.03	-0.65	-1.28	-1.41	-2.17	-2.88	-3.67	-4.18	-3.38	-2.38	-3.68	-4.38	-4.38	-4.08	-3.18	-3.58	-3.58	-4.30	-5.08	-6.78	-23.81	-22.81	-23.81	-17.82	-23.81	-24.07	-24.07	-20.84	-20.84	-8.58	-8.58	-9.08	-9.08	-8.13	-8.13	-7.38		
110	0.27	0.09	-0.51	-1.01	-0.98	-2.02	-2.58	-3.37	-4.07	-4.48	-3.82	-2.82	-4.08	-4.82	-4.82	-4.52	-3.62	-4.02	-4.06	-4.78	-5.48	-7.18	-24.81	-23.81	-24.81	-18.82	-24.81	-25.07	-25.07	-21.84	-21.84	-8.68	-8.68	-9.18	-9.18	-8.13	-8.13	-7.38	
115	0.27	0.15	-0.39	-0.74	-0.58	-1.24	-1.11	-2.14	-2.01	-2.48	-3.88	-4.83	-5.08	-5.88	-5.88	-5.74	-4.85	-5.25	-5.18	-5.82	-6.58	-8.28	-25.81	-24.81	-25.81	-19.82	-25.81	-26.07	-26.07	-22.84	-22.84	-8.78	-8.78	-9.28	-9.28	-8.13	-8.13	-7.38	
120	0.27	0.20	-0.27	-0.58	-0.18	-1.24	-0.33	-2.18	-0.73	-0.75	-2.75	-3.98	-4.23	-4.95	-4.95	-5.15	-5.28	-5.48	-5.48	-6.18	-6.91	-8.61	-26.81	-25.81	-26.81	-20.82	-26.81	-27.07	-27.07	-23.84	-23.84	-8.88	-8.88	-9.38	-9.38	-8.13	-8.13	-7.38	
125	0.27	0.25	-0.17	-0.28	0.18	-0.76	0.79	-0.53	-0.42	-0.88	-0.74	-0.22	-0.48	-0.36	-0.18	-0.18	-0.53	-0.14	-0.48	-0.38	-0.93	-1.68	-3.38	-27.81	-26.81	-27.81	-21.82	-27.81	-28.07	-28.07	-24.84	-24.84	-8.98	-8.98	-9.48	-9.48	-8.13	-8.13	-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	-0.48	-0.78	-0.57	-0.87	-0.68	-1.40	-2.33	-3.94	-28.81	-27.81	-28.81	-22.82	-28.81	-29.07	-29.07	-25.84	-25.84	-9.08	-9.08	-9.58	-9.58	-8.13	-8.13	-7.38
135	0.27	0.33	-0.01	0.02	0.78	-1.41	1.60	-1.38	-0.77	-1.13	-0.88	-0.32	-0.31	-0.18	0.08	-0.48	-0.82	-0.75	-1.28	-1.18	-2.25	-3.98	-4.86	-29.81	-28.81	-29.81	-23.82	-29.81	-30.07	-30.07	-26.84	-26.84	-9.18	-9.18	-9.68	-9.68	-8.13	-8.13	-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	-0.88	-0.24	-0.41	-0.12	-0.95	-1.30	-1.28	-2.38	-3.48	-5.48	-30.81	-29.81	-30.81	-24.82	-30.81	-31.07	-31.07	-27.84	-27.84	-9.28	-9.28	-9.78	-9.78	-8.13	-8.13	-7.38	
145	0.27	0.40	0.08	0.11	0.88	-1.68	1.97	-1.39	-1.63	-1.67	-1.52	-1.08	-0.44	-0.88	-0.38	-0.47	-0.23	-1.38	-1.88	-2.42	-3.48	-5.48	-31.81	-30.81	-31.81	-25.82	-31.81	-32.07	-32.07	-28.84	-28.84	-9.38	-9.38	-9.88	-9.88	-8.13	-8.13	-7.38	
150	0.27	0.43	0.18	0.08	0.75	-1.81	1.84	-1.84	-1.78	-1.54	-1.88	-1.58	-1.27	-1.58	-1.61	-1.14	-0.61	-1.74	-2.23	-3.28	-4.34	-6.34	-32.81	-31.81	-32.81	-26.82	-32.81	-33.07	-33.07	-29.84	-29.84	-9.48	-9.48	-9.98	-9.98	-8.13	-8.13	-7.38	
155	0.27	0.46	0.11	0.02	0.65	-1.44	1.77	-1.73	-1.83	-1.83	-1.24	-1.88	-1.82	-2.04	-2.13	-1.71	-1.31	-1.82	-1.53	-2.48	-3.58	-5.58	-33.81	-32.81	-33.81	-27.82	-33.81	-34.07	-34.07	-30.84	-30.84	-9.58	-9.58	-10.08	-10.08	-8.13	-8.13	-7.38	
160	0.27	0.48	0.11	0.02	0.65	-1.44	1.77	-1.73	-1.83	-1.83	-1.24	-1.88	-1.82	-2.04	-2.13	-1.71	-1.31	-1.8																					

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	-0.69	-0.78	-0.69	-0.44	-0.76	
15	-0.04	-0.67	-1.06	-1.28	-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	-0.22	-0.32	-0.85	-1.05	-0.82	-0.78	-0.69	-0.78	-0.69	-0.44	-0.76	
20	-0.04	-0.40	-0.81	-1.02	-0.68	-0.62	0.35	-0.19	0.01	0.60	1.30	2.01	2.35	2.05	1.62	1.20	0.36	0.11	-1.47	-2.50	-2.82	-1.95	-1.21	-0.64	-0.16	-0.16	-0.16	-0.16	-0.79	-1.14	-1.05	-1.04	-0.94	-1.11	-0.65	-0.36	-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	0.32	0.20	-0.91	-1.39	-2.76	-1.54	-1.15	-0.68	-0.18	-0.18	-0.18	-0.18	-0.68	-1.03	-0.91	-0.84	-1.03	-0.90	-0.39	-0.15	-0.34	
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	-1.97	-1.34	-0.94	-0.60	-0.21	-0.91	-0.91	-0.91	-0.87	-1.03	-1.02	-1.18	-1.08	-0.88	-0.26	-0.33	-0.76	
35	-0.04	-0.38	-0.27	-0.27	-0.35	-0.53	-0.76	-0.89	-0.62	0.54	1.44	2.47	3.01	3.00	2.53	2.11	1.49	0.59	-0.68	-2.08	-3.59	-1.93	-1.17	-0.72	-0.36	-0.50	-0.44	-0.58	-0.77	-1.03	-1.00	-1.19	-1.02	-0.91	-0.33	-0.76		
40	-0.04	-0.31	-0.21	-0.21	-0.30	-0.49	-0.76	-0.91	-0.61	0.90	1.47	2.46	2.98	2.97	2.49	2.10	1.47	0.59	-0.68	-2.08	-3.59	-1.93	-1.17	-0.72	-0.36	-0.50	-0.44	-0.58	-0.77	-1.03	-1.00	-1.19	-1.02	-0.91	-0.33	-0.76		
45	-0.04	-0.31	-0.15	-0.20	-0.15	-0.21	-0.36	-1.12	-0.65	0.54	1.89	2.50	3.34	3.32	2.75	2.12	1.30	0.60	-1.68	-3.57	-4.86	-1.41	-0.58	-0.61	-0.74	-0.70	-0.80	-0.80	-0.82	-1.03	-1.14	-1.24	-1.14	-0.92	-0.41	-0.33	-0.76	
50	-0.04	-0.06	0.10	0.40	0.40	0.02	-0.70	-1.22	-0.84	0.33	1.60	2.46	2.73	2.46	1.85	1.10	0.16	-1.19	-3.08	-4.06	-1.46	-0.46	-0.35	-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	-0.76	
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	-1.06	-0.56	-0.13	-0.00	-0.14	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.12	-0.76	
60	-0.04	0.07	-0.48	-0.37	-0.41	-0.39	0.50	-1.27	-0.79	-0.23	0.50	1.77	2.07	1.92	-0.40	-0.45	-0.66	-1.39	-3.30	-4.27	-1.18	-0.40	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.18	-0.76	
65	-0.04	0.12	0.47	0.81	0.92	0.91	-1.38	-2.31	-2.30	-1.84	1.75	2.38	2.34	0.20	-0.18	-0.26	-0.88	-1.18	-3.05	-4.11	-1.18	-0.50	-0.78	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.50	-0.76	
70	-0.04	0.16	0.63	0.88	1.04	1.04	0.06	-1.30	-2.86	-3.80	-1.40	-4.28	-4.84	-4.93	-7.02	-6.23	-0.86	-1.18	-3.07	-4.26	-1.11	-0.64	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.87	-0.76
75	-0.04	0.19	0.58	0.91	1.07	0.89	0.15	-1.26	-3.24	-3.36	0.84	-7.87	-8.74	-8.48	-10.06	-10.75	-1.16	-1.30	-3.43	-4.10	-1.18	-0.82	-0.80	-0.78	-0.76	-0.82	-1.03	-0.95	0.83	-0.48	-7.94	-6.48	-10.23	-10.20	-6.68	-0.34	-0.76	
80	-0.04	0.23	0.58	0.89	1.04	0.84	0.16	-1.28	-3.43	-4.15	0.95	-11.05	-11.03	-14.91	-14.77	-14.78	-14.41	-12.93	-10.79	-8.84	-7.53	-7.80	-7.52	-7.47	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-7.97	-0.76	
85	-0.04	0.25	0.58	0.85	0.74	0.80	-1.41	-3.40	-5.91	-6.06	0.59	-10.80	-11.06	-11.41	-11.47	-11.40	-11.16	-10.80	-8.80	-6.50	-7.58	-7.26	-7.68	-6.44	-6.13	-6.46	-7.46	-6.96	-7.19	-6.14	-6.28	-4.37	-6.68	-6.52	-6.35	-0.76		
90	-0.04	0.27	0.56	0.76	0.81	0.84	-1.24	-3.25	-4.66	-4.86	-0.53	-9.54	-9.57	-9.73	-9.54	-9.48	-9.28	-8.98	-7.98	-7.53	-6.98	-6.70	-6.98	-6.70	-7.02	-7.27	-6.95	-6.30	-7.06	-6.95	-6.94	-6.40	-6.44	-6.34	-0.76			
95	-0.04	0.29	0.53	0.65	0.61	0.26	-0.58	-1.36	-3.62	-3.36	-2.83	-2.61	-6.27	-6.75	-6.01	-3.54	-4.44	-5.51	-6.14	-4.00	-5.59	-5.40	-5.61	-4.00	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-0.76		
100	-0.04	0.31	0.49	0.52	0.30	-0.06	-0.97	-2.25	-1.10	-1.71	-1.74	-1.03	-0.78	-0.45	-0.86	-1.09	-1.58	-2.48	-3.65	-4.50	-4.60	-4.33	-4.20	-4.38	-4.06	-3.50	-3.54	-3.50	-3.54	-3.50	-3.54	-3.50	-3.54	-3.50	-3.54	-0.76		
105	-0.04	0.33	0.46	0.37	0.12	-0.44	-1.33	-2.38	-1.63	-1.65	-0.46	0.24	0.48	0.48	0.23	0.84	-0.42	-1.23	-3.20	-3.23	-3.37	-3.52	-3.48	-3.68	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-3.18	-0.76		
110	-0.04	0.34	0.41	0.34	-0.12	-0.56	-1.22	-1.67	-0.67	-0.64	0.54	1.22	1.42	1.31	1.86	0.72	0.26	-0.48	-1.41	-2.33	-2.87	-3.15	-3.41	-3.82	-4.51	-4.44	-4.68	-4.36	-4.68	-4.36	-4.68	-4.36	-4.68	-4.36	-4.68	-0.76		
115	-0.04	0.36	0.38	0.13	-0.32	-0.92	-1.57	-1.97	-1.03	-0.27	1.37	2.00	2.17	2.02	1.68	1.23	0.68	-0.04	-0.82	-1.77	-2.37	-2.68	-2.83	-3.31	-3.88	-4.44	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-0.76		
120	-0.04	0.38	0.37	0.06	-0.43	-0.97	-1.36	-1.16	-0.23	0.99	2.00	2.50	2.74	2.58	2.19	1.65	1.00	0.24	-0.57	-1.31	-1.86	-2.22	-2.41	-3.17	-3.68	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-0.76		
125	-0.04	0.39	0.35	0.05	-0.42	-0.95	-0.98	-0.66	-0.38	0.44	2.17	2.38	2.88	2.46	1.85	1.14	0.30	-0.38	-0.82	-1.23	-1.66	-2.27	-3.10	-3.88	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-0.76	
130	-0.04	0.41	0.31	0.10	-0.35	-0.95	-0.78	-0.46	-0.38	0.16	2.17	2.38	2.88	2.46	1.85	1.14	0.30	-0.38	-0.82	-1.23	-1.66	-2.27	-3.10	-3.88	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-4.60	-0.76
135	-0.04	0.45	0.49	0.23	-0.08	-0.25	-0.15	0.25	0.89	0.88	2.18	2.48	2.80	2.24	1.76	1.13	0.46	-0.01	-0.24	-0.32	-0.59	-1.33	-2.63	-4.11	-5.36	-5.57	-5.24	-5.19	-5.88	-7.42	-6.11	-6.52	-6.81	-6.30	-6.62	-6.05	-0.76	
140	-0.04	0.48	0.57	0.41	0.21	0.12	0.20	0.46	0.07	1.34	1.68	1.82	1.72	1.44	1.01	0.46	-0.06	-0.41	-0.54	-0.88	-1.86	-3.55	-5.39	-6.30	-6.44	-5.38	-5.42	-6.29	-7.36	-6.44	-6.88	-7.00	-6.47	-6.74	-6.72	-6.74	-0.76	
145	-0.04	0.51	0.67	0.62	0.52	0.47	0.06	0.61	0.78	0.96	1.95	1.80	0.85	0.40	0.07	-0.33	-0.68	-0.82	-0.96	-1.46	-2.68	-4.43	-6.39	-6.57	-6.72	-6.21	-5.46	-6.50	-6.47	-6.88	-7.00	-6.47	-6.74	-6.72	-6.74	-0.76		
150	-0.04	0.53	0.79	0.65	0.53	0.80	0.77	0.73	0.60	0.97	0.39	1.50	0.10	0.12	0.18	0.09	-0.22	-0.65	-1.30	-2.36	-3.56	-5.38	-6.42	-6.78	-6.21	-5.49	-6.29	-6.36	-6.37	-6.88	-7.00	-6.47	-6.74	-6.72	-6.74	-0.76		
155	-0.04	0.58	0.94	0.81	0.70	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	-0.76		
160	-0.04	0.62	1.04	1.29	1.36	1.30	1.18	0.93	0.48	-0.11	-0.62	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.84	-0.91	-0.76	
165	-0.04	0.65	1.17	1.49	1.54	1.47	1.30	0.94	0.32	-0.40	-1.10	-0.78	-0.89	0.54	0.71	0.32	-0.30	-0.78	-0.80	-1.15	-1.79	-2.61	-3.15	-3.20	-3.20	-3.54	-4.23	-5.08	-4.07	-7.38	-6.48	-6.12	-6.08	-6.38	-6.10	-6.76	-0.76	
170	-0.04	0.68	1.28	1.68	1.72	1.58	1.33	0.84	0.07	-0.71	-1.25	-1.48	-1.24	-0.58	0.05	0.19	-0.19	-0.70	-0.82	-0.70	-1.00	-1.30	-2.05	-2.05	-2.38	-3.42	-3.88	-4.29	-4.48	-6.48	-6.37	-6.48	-6.37	-6.48	-6.37	-6.48	-0.76	
175	-0.04	0.70	1.36	1.78	1																																	

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	-6.21	-12.23	-11.17	-9.84	-10.41	-7.80	-6.26	-7.25	-10.06	-12.63	-13.40	-12.50	-11.94	-12.55	-13.00	
5	-1.46	-1.82	-0.89	0.38	1.24	1.73	2.11	2.47	2.84	3.20	3.40	3.38	3.00	2.41	1.86	1.42	1.65	1.26	0.32	-3.19	-5.14	-6.98	-8.00	-13.16	-11.90	-10.40	-10.98	-8.00	-6.81	-7.86	-10.68	-13.25	-14.01	-12.95	-12.37	-12.93	-13.38	
10	-1.46	-1.91	-0.96	0.31	1.07	1.51	1.87	2.22	2.58	2.94	3.14	3.12	2.51	1.87	1.40	1.02	0.94	0.84	0.56	-4.02	-6.10	-8.06	-9.26	-14.40	-13.00	-11.40	-11.98	-8.80	-7.43	-8.48	-11.30	-13.87	-14.63	-13.57	-12.99	-13.55	-14.00	
15	-1.46	-1.93	-1.04	0.18	0.76	0.94	1.59	0.64	1.00	1.55	1.60	1.30	0.30	-0.80	-1.36	-1.14	-0.74	-0.17	-0.20	-12.07	-16.03	-13.10	-13.72	-16.05	-13.84	-12.60	-13.06	-10.10	-8.67	-11.02	-13.33	-15.10	-14.10	-13.07	-12.48	-13.03	-13.48	
20	-1.46	-1.97	-1.13	0.06	0.52	0.44	-0.28	-0.96	-0.42	0.32	0.59	0.10	-1.03	-2.22	-2.54	-1.95	-1.40	-1.03	-0.61	-4.83	-11.05	-11.07	-11.96	-14.56	-13.00	-11.60	-11.00	-7.90	-6.80	-9.30	-11.91	-13.07	-11.07	-11.21	-11.71	-12.40	-13.00	
25	-1.46	-2.01	-1.22	-0.07	0.33	-0.14	-1.01	-1.07	-1.55	-0.73	-0.33	-0.73	-1.09	-2.73	-2.94	-2.26	-1.30	-0.65	-0.40	-6.73	-14.06	-11.65	-11.55	-14.06	-13.00	-11.60	-11.00	-7.40	-6.00	-7.54	-10.67	-13.07	-10.88	-10.89	-11.46	-12.03	-13.00	
30	-1.46	-2.04	-1.31	-0.14	0.25	-0.33	-1.38	-2.32	-2.39	-1.57	-0.91	-1.06	-1.80	-3.47	-3.61	-3.02	-2.74	-1.55	-0.49	-8.40	-16.02	-11.93	-11.80	-14.04	-13.00	-11.60	-11.00	-7.12	-5.96	-8.46	-10.73	-10.88	-10.82	-11.63	-12.16	-12.60	-13.00	
35	-1.46	-2.06	-1.40	-0.26	0.16	-0.52	-1.67	-2.67	-2.60	-1.78	-1.10	-1.16	-2.06	-3.86	-4.00	-3.36	-3.06	-1.86	-0.86	-9.96	-18.03	-12.00	-11.80	-14.04	-13.00	-11.60	-11.00	-6.80	-5.64	-8.00	-10.40	-10.40	-10.36	-11.16	-11.66	-12.16	-12.60	-13.00
40	-1.46	-2.07	-1.47	-0.37	0.17	-0.69	-1.85	-2.85	-2.69	-1.81	-1.16	-1.16	-2.14	-4.11	-4.24	-3.54	-3.24	-2.04	-1.04	-11.06	-20.05	-12.00	-11.80	-14.04	-13.00	-11.60	-11.00	-6.40	-5.24	-7.74	-10.44	-10.44	-10.36	-11.16	-11.66	-12.16	-12.60	-13.00
45	-1.46	-2.06	-1.53	-0.40	0.23	-0.21	-2.28	-3.05	-1.82	-1.71	-1.43	-1.60	-1.77	-2.21	-3.00	-4.12	-3.46	-2.63	-1.37	-12.40	-22.07	-12.00	-11.80	-14.02	-13.00	-11.60	-11.00	-6.24	-5.08	-7.48	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
50	-1.46	-2.04	-1.56	-0.47	0.32	0.53	-2.62	-3.32	-1.63	-1.65	-1.11	-1.46	-2.50	-3.73	-4.00	-3.10	-2.80	-1.70	-1.07	-13.24	-23.07	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-6.04	-4.88	-7.28	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
55	-1.46	-2.01	-1.59	-0.50	0.40	0.81	-2.77	-3.11	-1.23	-1.13	-0.70	-1.20	-2.51	-3.76	-4.00	-3.10	-2.80	-1.70	-1.07	-13.24	-23.07	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-5.84	-4.68	-7.08	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
60	-1.46	-1.95	-1.51	-0.46	0.65	1.04	-1.00	-0.42	-0.58	-0.75	-0.86	-1.02	-0.82	-1.05	-0.97	-1.03	-0.83	-0.63	-0.40	-13.44	-24.07	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-5.64	-4.48	-6.88	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
65	-1.46	-1.88	-1.42	-0.37	0.65	1.25	-1.25	0.63	-0.40	-0.72	-0.70	-0.83	-0.82	-1.04	-1.21	-1.26	-1.06	-0.86	-0.66	-13.44	-24.07	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-5.44	-4.28	-6.68	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
70	-1.46	-1.80	-1.28	-0.23	0.82	1.48	-1.00	0.84	-0.31	-1.54	-2.34	-0.88	-0.84	-1.04	-1.38	-1.32	-1.02	-0.82	-0.62	-14.00	-25.02	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-5.24	-4.08	-6.48	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
75	-1.46	-1.70	-1.11	-0.03	1.03	1.71	-1.15	0.01	-1.17	-1.82	-2.23	-1.26	-1.26	-1.46	-1.82	-1.66	-1.22	-1.02	-0.82	-13.77	-25.01	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-5.04	-3.88	-6.28	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
80	-1.46	-1.58	-0.89	0.22	1.30	2.01	-0.74	-0.01	-1.16	-2.47	-2.84	-1.40	-1.40	-1.60	-1.96	-1.70	-1.24	-1.04	-0.84	-13.00	-26.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-4.84	-3.68	-6.08	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
85	-1.46	-1.47	-0.65	0.02	1.62	2.30	-0.29	0.27	-1.24	-0.72	-0.88	-1.71	-2.09	-2.40	-2.02	-1.48	-1.18	-1.11	-1.00	-14.00	-26.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-4.64	-3.48	-5.88	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
90	-1.46	-1.34	-0.30	0.05	1.97	2.77	0.27	0.79	-2.00	0.92	-0.27	-1.47	-2.46	-2.74	-2.25	-1.54	-1.00	-0.82	-0.67	-15.00	-27.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-4.44	-3.28	-5.68	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
95	-1.46	-1.21	0.10	1.20	2.33	3.35	0.33	0.50	-2.72	1.71	0.42	-1.08	-2.49	-3.10	-2.64	-1.63	-1.28	-1.10	-0.77	-16.00	-28.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-4.24	-3.08	-5.48	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
100	-1.46	-1.07	0.18	1.54	2.50	3.80	0.36	0.38	-3.38	2.85	1.33	-0.42	-1.06	-3.11	-3.10	-2.46	-1.82	-1.40	-0.98	-17.00	-29.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-4.04	-2.88	-5.28	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
105	-1.46	-0.94	0.45	1.87	2.98	4.17	0.39	0.18	-3.77	2.98	1.72	-0.54	-1.34	-3.33	-3.20	-2.66	-1.98	-1.59	-1.17	-18.00	-30.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-3.84	-2.68	-5.08	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
110	-1.46	-0.81	0.71	2.17	3.25	3.96	0.34	0.36	-4.34	4.35	0.62	-1.36	-2.35	-3.84	-4.06	-3.16	-2.48	-2.28	-2.10	-18.00	-31.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-3.64	-2.48	-4.88	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
115	-1.46	-0.68	0.84	2.44	3.47	4.08	0.27	0.47	-4.36	4.05	0.46	-1.58	-1.40	-4.10	-4.00	-3.03	-2.21	-2.45	-2.44	-18.00	-32.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-3.44	-2.28	-4.68	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
120	-1.46	-0.57	1.16	2.68	3.66	4.15	0.25	0.23	-3.90	3.33	0.51	-1.40	-1.44	-4.08	-4.00	-3.07	-2.16	-2.20	-2.20	-19.00	-33.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-3.24	-2.12	-4.48	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
125	-1.46	-0.47	1.31	2.86	3.80	4.16	0.20	0.16	-3.44	3.32	0.60	-1.24	-1.36	-4.06	-4.00	-3.02	-2.02	-2.02	-2.02	-20.00	-34.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-3.04	-1.96	-4.28	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
130	-1.46	-0.36	1.50	3.04	3.91	4.10	0.10	0.08	-3.77	3.31	0.67	-1.14	-1.06	-4.06	-4.00	-3.01	-1.81	-1.81	-1.81	-21.00	-35.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-2.84	-1.80	-4.08	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
135	-1.46	-0.28	1.63	3.17	3.99	4.17	0.06	0.06	-3.36	3.67	0.60	-1.06	-0.91	-4.03	-4.07	-3.02	-1.60	-1.60	-1.60	-22.00	-36.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-2.64	-1.60	-3.88	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
140	-1.46	-0.21	1.73	3.26	4.03	4.14	0.06	0.34	-3.80	3.41	0.50	-1.24	-1.14	-4.09	-4.00	-3.01	-1.46	-1.46	-1.46	-23.00	-37.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-2.44	-1.40	-3.68	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
145	-1.46	-0.15	1.79	3.30	4.00	4.08	0.06	0.38	-3.76	3.31	0.50	-1.07	-1.07	-4.08	-4.00	-3.03	-1.26	-1.26	-1.26	-24.00	-38.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-2.24	-1.20	-3.48	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
150	-1.46	-0.11	1.82	3.38	3.98	3.94	0.04	0.40	-3.74	3.32	0.50	-0.96	-0.96	-4.06	-4.00	-3.03	-1.06	-1.06	-1.06	-25.00	-39.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-2.04	-1.00	-3.28	-10.40	-10.40	-10.31	-11.11	-11.61	-12.11	-12.55	-13.00
155	-1.46	-0.06	1.83	3.25	3.88	3.84	0.04	0.40	-3.70	3.10	0.24	-1.13	-1.13	-4.06	-4.00	-3.03	-0.86	-0.86	-0.86	-26.00	-40.00	-11.93	-11.80	-14.02	-13.00	-11.60	-11.00	-1.84	-0.80	-3.08	-10.40	-10.40	-10.31	-11.11				

PhA (km)	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
0	0.0	0.0	-0.23	-7.12	-7.25	-0.81	-1.55	-0.40	0.03	0.72	1.88	3.07	3.90	4.17	3.89	3.35	2.88	2.15	0.22	-0.22	-0.35	-0.20	-0.25	4.32	-10.87	-13.83	-13.14	-12.08	-12.36	-14.88	-15.11	-14.24	-12.98	-12.47	-13.14	-12.39	
5	0.0	0.0	-0.46	-3.27	-4.45	-0.47	-0.96	-2.17	-1.63	-1.59	-0.99	-3.38	1.72	2.62	2.95	2.79	2.54	2.54	2.16	0.33	-1.54	-0.70	-4.16	-4.73	-7.85	-9.88	-11.84	-12.87	-12.87	-13.63	-16.21	-16.02	-12.74	-12.45	-13.12	-12.39	
10	0.0	0.0	-0.25	-4.71	-5.12	-0.42	-0.81	-2.17	-1.63	-1.59	-0.99	-3.38	1.72	2.62	2.95	2.79	2.54	2.54	2.16	0.33	-1.54	-0.70	-4.16	-4.73	-7.85	-9.88	-11.84	-12.87	-12.87	-13.63	-16.21	-16.02	-12.74	-12.45	-13.12	-12.39	
15	0.0	0.0	-0.26	-3.21	-4.12	-0.42	-0.81	-2.17	-1.63	-1.59	-0.99	-3.38	1.72	2.62	2.95	2.79	2.54	2.54	2.16	0.33	-1.54	-0.70	-4.16	-4.73	-7.85	-9.88	-11.84	-12.87	-12.87	-13.63	-16.21	-16.02	-12.74	-12.45	-13.12	-12.39	
20	0.0	0.0	-0.29	-3.13	-3.71	-0.40	-0.62	-2.36	-1.46	-1.46	-1.02	-1.23	-2.23	-2.91	-4.07	-1.82	-1.13	-1.26	-1.80	-1.40	-0.39	-1.91	-13.86	-14.38	-10.30	-7.29	-4.78	-4.99	-11.03	-11.93	-12.73	-13.62	-18.85	-18.84	-12.08	-13.01	-12.39
25	0.0	0.0	-0.31	-3.01	-3.58	-0.36	-0.62	-2.52	-1.56	-1.56	-1.03	-1.23	-2.23	-2.91	-4.07	-1.82	-1.13	-1.26	-1.80	-1.40	-0.39	-1.91	-13.86	-14.38	-10.30	-7.29	-4.78	-4.99	-11.03	-11.93	-12.73	-13.62	-18.85	-18.84	-12.08	-13.01	-12.39
30	0.0	0.0	-0.32	-2.87	-3.40	-0.34	-0.68	-1.54	-1.34	-1.34	-1.03	-1.23	-2.23	-2.91	-4.07	-1.82	-1.13	-1.26	-1.80	-1.40	-0.39	-1.91	-13.86	-14.38	-10.30	-7.29	-4.78	-4.99	-11.03	-11.93	-12.73	-13.62	-18.85	-18.84	-12.08	-13.01	-12.39
35	0.0	0.0	-0.32	-2.57	-3.39	-0.33	-0.60	-1.38	-1.29	-1.30	-1.42	-1.60	-3.91	-3.85	-4.25	-4.81	-4.44	-4.33	-3.79	-3.72	-1.19	-10.85	-10.80	-8.40	-4.07	-12.12	-13.97	-13.64	-16.65	-4.49	-10.84	-12.50	-13.98	-13.17	-13.72	-12.84	-12.39
40	0.0	0.0	-0.31	-2.41	-3.32	-0.34	-0.88	-1.34	-1.33	-1.37	-1.43	-1.40	-4.80	-5.81	-6.93	-7.88	-8.54	-10.31	-13.98	-13.82	-13.82	-10.87	-8.08	-4.08	-7.08	-10.80	-13.97	-13.52	-16.70	-9.50	-10.87	-12.78	-12.08	-13.19	-13.73	-12.79	-12.39
45	0.0	0.0	-0.30	-2.27	-3.19	-0.36	-1.30	-1.36	-1.38	-1.42	-1.28	-1.12	-4.01	-4.04	-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	-4.00	-4.00	-4.00	-4.00	-4.00
50	0.0	0.0	-0.27	-2.01	-2.84	-0.39	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40	-1.40
55	0.0	0.0	-0.25	-1.90	-2.46	-0.42	-1.35	-1.43	-1.50	-1.61	-1.62	-1.44	-2.90	-2.32	-2.14	-1.59	-1.75	-2.21	-1.00	-1.50	-1.40	-1.34	-1.31	-1.31	-1.47	-4.15	-10.30	-11.88	-12.08	-12.10	-12.12	-12.14	-12.16	-12.18	-12.20	-12.22	-12.24
60	0.0	0.0	-0.27	-1.81	-2.26	-0.40	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46	-1.46
65	0.0	0.0	-0.28	-1.74	-2.19	-0.39	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47
70	0.0	0.0	-0.29	-1.68	-2.00	-0.38	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48
75	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
80	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
85	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
90	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
95	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
100	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
105	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
110	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
115	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
120	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
125	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
130	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
135	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42
140	0.0	0.0	-0.30	-1.65	-2.01	-0.38	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42	-1.42</													

Ant. Position : 5G/6G Ant

Ph.Ave	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
0	-2.36	-3.43	-4.46	-5.45	-6.39	-7.27	-8.11	-8.91	-9.58	-10.14	-10.61	-11.00	-11.33	-11.61	-11.85	-12.05	-12.21	-12.35	-12.46	-12.55	-12.61	-12.65	-12.68	-12.70	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71	-12.71
5	-3.36	-4.46	-5.54	-6.59	-7.60	-8.57	-9.41	-10.14	-10.76	-11.27	-11.70	-12.07	-12.40	-12.69	-12.95	-13.18	-13.38	-13.54	-13.67	-13.77	-13.84	-13.89	-13.92	-13.94	-13.95	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96	-13.96
10	-4.36	-5.55	-6.74	-7.83	-8.83	-9.74	-10.59	-11.30	-11.90	-12.41	-12.84	-13.22	-13.56	-13.86	-14.13	-14.38	-14.61	-14.81	-14.97	-15.10	-15.20	-15.28	-15.34	-15.39	-15.43	-15.46	-15.48	-15.49	-15.50	-15.50	-15.50	-15.50	-15.50	-15.50	-15.50	-15.50	-15.50
15	-5.36	-6.65	-7.94	-9.03	-10.03	-10.95	-11.79	-12.50	-13.10	-13.61	-14.04	-14.42	-14.76	-15.06	-15.33	-15.58	-15.82	-16.03	-16.20	-16.35	-16.48	-16.59	-16.69	-16.77	-16.84	-16.90	-16.95	-16.99	-17.03	-17.06	-17.09	-17.11	-17.13	-17.15	-17.17	-17.19	-17.21
20	-6.36	-7.75	-9.14	-10.23	-11.23	-12.15	-12.90	-13.51	-14.02	-14.45	-14.83	-15.17	-15.47	-15.74	-16.00	-16.25	-16.49	-16.71	-16.90	-17.07	-17.23	-17.37	-17.50	-17.61	-17.71	-17.80	-17.88	-17.95	-18.02	-18.08	-18.14	-18.19	-18.24	-18.29	-18.34	-18.39	-18.44
25	-7.36	-8.85	-10.34	-11.43	-12.43	-13.35	-14.00	-14.51	-14.94	-15.32	-15.66	-15.96	-16.23	-16.49	-16.75	-17.00	-17.25	-17.50	-17.75	-18.00	-18.25	-18.50	-18.75	-19.00	-19.25	-19.50	-19.75	-20.00	-20.25	-20.50	-20.75	-21.00	-21.25	-21.50	-21.75	-22.00	
30	-8.36	-9.95	-11.54	-12.63	-13.63	-14.45	-15.00	-15.41	-15.79	-16.17	-16.51	-16.81	-17.08	-17.34	-17.60	-17.86	-18.12	-18.38	-18.64	-18.90	-19.16	-19.42	-19.68	-19.94	-20.20	-20.46	-20.72	-20.98	-21.24	-21.50	-21.76	-22.02	-22.28	-22.54	-22.80	-23.06	
35	-9.36	-11.05	-12.74	-13.83	-14.83	-15.65	-16.20	-16.51	-16.89	-17.27	-17.61	-17.91	-18.18	-18.44	-18.70	-18.96	-19.22	-19.48	-19.74	-20.00	-20.26	-20.52	-20.78	-21.04	-21.30	-21.56	-21.82	-22.08	-22.34	-22.60	-22.86	-23.12	-23.38	-23.64	-23.90	-24.16	
40	-10.36	-12.15	-13.84	-14.93	-15.93	-16.75	-17.30	-17.61	-18.00	-18.38	-18.72	-19.02	-19.29	-19.55	-19.81	-20.07	-20.33	-20.59	-20.85	-21.11	-21.37	-21.63	-21.89	-22.15	-22.41	-22.67	-22.93	-23.19	-23.45	-23.71	-23.97	-24.23	-24.49	-24.75	-25.01		
45	-11.36	-13.15	-14.84	-15.93	-16.93	-17.75	-18.30	-18.61	-19.00	-19.38	-19.72	-20.02	-20.29	-20.55	-20.81	-21.07	-21.33	-21.59	-21.85	-22.11	-22.37	-22.63	-22.89	-23.15	-23.41	-23.67	-23.93	-24.19	-24.45	-24.71	-24.97	-25.23	-25.49	-25.75	-26.01		
50	-12.36	-14.15	-15.84	-16.93	-17.93	-18.75	-19.30	-19.61	-20.00	-20.38	-20.72	-21.02	-21.29	-21.55	-21.81	-22.07	-22.33	-22.59	-22.85	-23.11	-23.37	-23.63	-23.89	-24.15	-24.41	-24.67	-24.93	-25.19	-25.45	-25.71	-25.97	-26.23	-26.49	-26.75	-27.01		
55	-13.36	-15.15	-16.84	-17.93	-18.93	-19.75	-20.30	-20.61	-21.00	-21.38	-21.72	-22.02	-22.29	-22.55	-22.81	-23.07	-23.33	-23.59	-23.85	-24.11	-24.37	-24.63	-24.89	-25.15	-25.41	-25.67	-25.93	-26.19	-26.45	-26.71	-26.97	-27.23	-27.49	-27.75	-28.01		
60	-14.36	-16.15	-17.84	-18.93	-19.93	-20.75	-21.30	-21.61	-22.00	-22.38	-22.72	-23.02	-23.29	-23.55	-23.81	-24.07	-24.33	-24.59	-24.85	-25.11	-25.37	-25.63	-25.89	-26.15	-26.41	-26.67	-26.93	-27.19	-27.45	-27.71	-27.97	-28.23	-28.49	-28.75	-29.01		
65	-15.36	-17.15	-18.84	-19.93	-20.93	-21.75	-22.30	-22.61	-23.00	-23.38	-23.72	-24.02	-24.29	-24.55	-24.81	-25.07	-25.33	-25.59	-25.85	-26.11	-26.37	-26.63	-26.89	-27.15	-27.41	-27.67	-27.93	-28.19	-28.45	-28.71	-28.97	-29.23	-29.49	-29.75	-30.01		
70	-16.36	-18.15	-19.84	-20.93	-21.93	-22.75	-23.30	-23.61	-24.00	-24.38	-24.72	-25.02	-25.29	-25.55	-25.81	-26.07	-26.33	-26.59	-26.85	-27.11	-27.37	-27.63	-27.89	-28.15	-28.41	-28.67	-28.93	-29.19	-29.45	-29.71	-29.97	-30.23	-30.49	-30.75	-31.01		
75	-17.36	-19.15	-20.84	-21.93	-22.93	-23.75	-24.30	-24.61	-25.00	-25.38	-25.72	-26.02	-26.29	-26.55	-26.81	-27.07	-27.33	-27.59	-27.85	-28.11	-28.37	-28.63	-28.89	-29.15	-29.41	-29.67	-29.93	-30.19	-30.45	-30.71	-30.97	-31.23	-31.49	-31.75	-32.01		
80	-18.36	-20.15	-21.84	-22.93	-23.93	-24.75	-25.30	-25.61	-26.00	-26.38	-26.72	-27.02	-27.29	-27.55	-27.81	-28.07	-28.33	-28.59	-28.85	-29.11	-29.37	-29.63	-29.89	-30.15	-30.41	-30.67	-30.93	-31.19	-31.45	-31.71	-31.97	-32.23	-32.49	-32.75	-33.01		
85	-19.36	-21.15	-22.84	-23.93	-24.93	-25.75	-26.30	-26.61	-27.00	-27.38	-27.72	-28.02	-28.29	-28.55	-28.81	-29.07	-29.33	-29.59	-29.85	-30.11	-30.37	-30.63	-30.89	-31.15	-31.41	-31.67	-31.93	-32.19	-32.45	-32.71	-32.97	-33.23	-33.49	-33.75	-34.01		
90	-20.36	-22.15	-23.84	-24.93	-25.93	-26.75	-27.30	-27.61	-28.00	-28.38	-28.72	-29.02	-29.29	-29.55	-29.81	-30.07	-30.33	-30.59	-30.85	-31.11	-31.37	-31.63	-31.89	-32.15	-32.41	-32.67	-32.93	-33.19	-33.45	-33.71	-33.97	-34.23	-34.49	-34.75	-35.01		
95	-21.36	-23.15	-24.84	-25.93	-26.93	-27.75	-28.30	-28.61	-29.00	-29.38	-29.72	-30.02	-30.29	-30.55	-30.81	-31.07	-31.33	-31.59	-31.85	-32.11	-32.37	-32.63	-32.89	-33.15	-33.41	-33.67	-33.93	-34.19	-34.45	-34.71	-34.97	-35.23	-35.49	-35.75	-36.01		
100	-22.36	-24.15	-25.84	-26.93	-27.93	-28.75	-29.30	-29.61	-30.00	-30.38	-30.72	-31.02	-31.29	-31.55	-31.81	-32.07	-32.33	-32.59	-32.85	-33.11	-33.37	-33.63	-33.89	-34.15	-34.41	-34.67	-34.93	-35.19	-35.45	-35.71	-35.97	-36.23	-36.49	-36.75	-37.01		
105	-23.36	-25.15	-26.84	-27.93	-28.93	-29.75	-30.30	-30.61	-31.00	-31.38	-31.72	-32.02	-32.29	-32.55	-32.81	-33.07	-33.33	-33.59	-33.85	-34.11	-34.37	-34.63	-34.89	-35.15	-35.41	-35.67	-35.93	-36.19	-36.45	-36.71	-36.97	-37.23	-37.49	-37.75	-38.01		
110	-24.36	-26.15	-27.84	-28.93	-29.93	-30.75	-31.30	-31.61	-32.00	-32.38	-32.72	-33.02	-33.29	-33.55	-33.81	-34.07	-34.33	-34.59	-34.85	-35.11	-35.37	-35.63	-35.89	-36.15	-36.41	-36.67	-36.93	-37.19	-37.45	-37.71	-37.97	-38.23	-38.49	-38.75	-39.01		
115	-25.36	-27.15	-28.84	-29.93	-30.93	-31.75	-32.30	-32.61	-33.00	-33.38	-33.72	-34.02	-34.29	-34.55	-34.81	-35.07	-35.33	-35.59	-35.85	-36.11	-36.37	-36.63	-36.89	-37.15	-37.41	-37.67	-37.93	-38.19	-38.45	-38.71	-38.97	-39.23	-39.49	-39.75	-40.01		
120	-26.36	-28.15	-29.84	-30.93	-31.93	-32.75	-33.30	-33.61	-34.00	-34.38	-34.72	-35.02	-35.29	-35.55	-35.81	-36.07	-36.33	-36.59	-36.85	-37.11	-37.37	-37.63	-37.89	-38.15	-38.41	-38.67	-38.93	-39.19	-39.45	-39.71	-39.97	-40.23	-40.49	-40.75	-41.01		
125	-27.36	-29.15	-30.84	-31.93	-32.93	-33.75	-34.30	-34.61	-35.00	-35.38	-35.72	-36.02	-36.29	-36.55	-36.81	-37.07	-37.33	-37.59	-37.85	-38.11	-38.37	-38.63	-38.89	-39.15	-39.41	-39.67	-39.93	-40.19	-40.45	-40.71	-40.97	-41.23	-41.49	-41.75	-42.01		
130	-28.36	-30.15	-31.84	-32.93	-33.93	-34.75	-35.30	-35.61	-36.00	-36.38	-36.72	-37.02	-37.29	-37.55	-37.81	-38.07	-38.33	-38.59	-38.85	-39.11	-39.37	-39.63	-39.89	-40.15	-40.41	-40.67	-40.93	-41.19	-41.45	-41.71	-41.97	-42.23	-42.49	-42.75	-43.01		
135	-29.36	-31.15	-32.84	-33.93	-34.93	-35.75	-36.30	-36.61	-37.00	-37.38	-37.72	-38.02	-38.29	-38.55	-38.81	-39.07	-39.33	-39.59	-39.85	-40.11	-40.37	-40.63	-40.89	-41.15	-41.41	-41.67	-41.93	-42.19	-42.45	-42.71	-42.97	-43.23	-43.49	-43.75	-44.01		
140	-30.36	-32.15	-33.84	-34.93	-35.93	-36.75	-37.30	-37.61	-38.00	-38.38	-38.72	-39.02	-39.29	-39.55	-39.81	-40.07	-40.33	-40.59	-40.85	-41.11	-41.37	-41.63	-41.89	-42.15	-42.41	-42.67	-42.93	-43.19	-43.45	-43.71	-43.97	-44.23	-44.49	-44.75	-45.01		
145	-31.36	-33.15	-34.84	-35.93	-36.93	-37.75	-38.30	-38.61	-39.00	-39.38	-39.72	-40.02	-40.29	-40.55	-40.81	-41.07	-41.33	-41.59	-41.85	-42.11	-42.37	-42.63	-42.89	-43.15	-43.41	-43.67	-43.93	-44.19	-44.45	-44.71	-44.97	-45.23	-45.49	-45.75	-46.01		
150	-32.36	-34.15	-35.84	-36.93	-37.93	-38.75	-39.30	-39.61	-40.00	-40.38	-40.72	-41.02	-41.29	-41.55	-41.81	-42.07	-42.33	-42.59	-42.85	-43.11	-43.37	-43.63	-43.89	-44.15	-44.41	-44.67	-44.93	-45.19	-45.45	-45.71	-45.97	-46.23	-46.49	-46.75	-47.01		
155	-33.36	-35.15	-36.84	-37.93	-38.93	-39.75	-40.30	-40.61	-41.00	-41.38	-41.72	-42.02	-42.29	-42.55	-42.81	-43.07	-43.33	-43.59	-43.85	-44.11	-44.37	-44.63	-44.89	-45.15	-45.41	-45.67	-45.93	-46.19	-46.45	-46.71	-46.97	-47.23	-47.49	-47.75	-48.01		
160	-34.36	-36.15	-37.84	-38.93	-39.93	-40.75	-41.30	-41.61	-42.00	-42.38	-42.72	-43.02	-43.29	-43.55	-43.81	-44.07	-44.33	-44.59	-44.85	-45.11	-45.37	-45.63	-45.89	-46.15	-46.41	-46.67	-46.93	-47.19	-47.45	-47.71	-47.97	-48.23	-48.49	-48.75	-49.01		
165	-35.36	-37.15	-38.84	-39.93	-40.93	-41.75	-42.3																														

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	-3.68	-2.24	-7.33	-4.84	-4.46	-4.04	-4.33	-4.61	-4.77	-4.01	-3.87	-4.01	-3.87	-4.01	-3.87	-4.01	-3.87	-4.01	-3.87	-4.01	-3.87	-4.01	-3.87	-4.01	-3.87
5	4.55	4.56	-0.30	-4.24	-3.18	-1.22	-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	-4.03	-4.88	-7.95	-10.88	-16.75	-9.56	-7.77	-10.80	-12.65	-11.22	-12.22	-17.55	-27.34	-26.70	-28.01	
10	4.55	4.56	-0.20	-4.16	-3.41	-1.57	0.20	1.37	2.17	2.51	1.44	1.16	1.62	1.27	-0.40	-3.84	-4.74	-4.02	-3.50	-4.89	-5.40	-5.30	-4.30	-4.84	-7.62	-10.70	-16.98	-9.48	-7.78	-10.86	-12.51	-12.17	-13.57	-18.13	-24.10	-24.10	-26.01	
15	4.55	-0.07	-0.30	-4.14	-3.71	-1.82	-0.85	0.59	2.39	2.86	1.81	1.49	1.32	1.52	0.56	-3.83	-4.13	-2.97	-4.08	-4.12	-3.51	-4.16	-4.59	-4.46	-5.92	-10.73	-14.43	-9.13	-6.71	-10.82	-12.70	-12.42	-14.35	-19.01	-25.20	-26.77	-28.01	
20	4.55	-0.70	-0.80	-4.04	-3.86	-1.82	-1.14	0.29	2.43	3.10	1.71	1.26	0.23	1.06	0.50	-3.96	-2.76	-2.10	-4.40	-4.15	-3.47	-4.21	-4.65	-4.32	-4.78	-10.22	-14.78	-9.00	-7.52	-10.80	-12.70	-12.56	-14.68	-19.20	-26.01	-26.87	-28.01	
25	4.55	-1.68	-1.18	-4.03	-3.80	-1.57	-1.38	-0.10	2.31	3.27	1.99	0.66	-1.12	0.81	0.14	-4.79	-2.10	-1.81	-4.63	-4.06	-3.85	-4.55	-4.70	-4.85	-4.76	-10.44	-13.36	-9.10	-7.59	-10.83	-12.40	-12.84	-14.62	-16.17	-19.82	-26.40	-28.01	
30	4.55	-1.10	-1.10	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
35	4.55	-0.26	-1.10	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
40	4.55	-1.10	-1.10	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
45	4.55	-0.26	-1.10	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
50	4.55	-0.64	-0.80	-4.22	-4.30	-2.31	-2.61	-2.76	-4.72	1.15	1.40	0.53	0.24	1.62	2.88	2.62	1.17	1.14	1.59	0.84	-2.08	-3.73	-4.52	-4.71	-5.09	-5.66	-5.62	-5.96	-6.00	-11.33	-12.40	-11.82	-13.10	-16.98	-25.00	-28.01		
55	4.55	-0.26	-1.10	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
60	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
65	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
70	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
75	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
80	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
85	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
90	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
95	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
100	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
105	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
110	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
115	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
120	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
125	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
130	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
135	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
140	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
145	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
150	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
155	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
160	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.44	-0.10	-0.62	-0.80	-1.85	-1.66	-1.83	-1.64	-4.20	-3.58	-3.40	-4.10	-4.83	-4.30	-4.68	-11.08	-9.40	-7.60	-10.80	-12.56	-12.07	-13.32	-15.10	-18.56	-25.95	-28.01	
165	4.55	-0.94	-0.91	-4.00	-3.94	-1.56	-1.59	-0.59	2.03	2.71	2.25	0.4																										

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

S150 Thru-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 (°)
5	-7.94	-7.94	-7.94	-4.31	0.21	0.87	1.16	1.08	0.59	0.01	-0.38	-0.52	-0.63	-0.64	0.04	0.08	0.07	-0.17	-0.74	-1.47	-2.34	-3.34	-4.54	-5.92	-7.45	-9.12	-10.85	-12.61	-14.38	-16.15	-17.91	-19.68	-21.45	-23.22	-24.99	-26.76	
10	-7.94	-7.94	-7.94	-4.31	-0.25	0.82	1.16	1.24	0.85	0.14	-0.46	-0.58	-0.43	-0.18	0.24	0.26	0.46	-0.32	-0.21	-0.40	-0.66	-1.03	-1.46	-1.94	-2.46	-3.02	-3.61	-4.22	-4.84	-5.46	-6.08	-6.70	-7.32	-7.94	-8.56	-9.18	-9.80
15	-7.94	-7.94	-7.94	-4.31	-0.25	0.79	1.16	1.45	1.43	0.88	0.21	0.02	0.31	0.55	0.48	0.02	-0.66	-0.29	-0.34	-0.50	-0.79	-1.14	-1.56	-2.02	-2.50	-3.00	-3.52	-4.04	-4.56	-5.08	-5.60	-6.12	-6.64	-7.16	-7.68	-8.20	-8.72
20	-7.94	-7.94	-7.94	-4.31	-0.11	0.78	1.08	1.62	0.91	1.41	1.00	1.19	0.47	0.17	0.42	0.57	0.30	-0.33	-0.18	-0.26	-0.41	-0.56	-0.71	-0.86	-1.01	-1.16	-1.31	-1.46	-1.61	-1.76	-1.91	-2.06	-2.21	-2.36	-2.51	-2.66	-2.81
25	-7.94	-7.94	-7.94	-4.31	0.13	0.74	1.00	1.68	1.23	1.58	1.28	0.46	0.01	0.18	0.25	0.13	-0.75	-1.54	-2.62	-3.95	-5.54	-7.29	-9.10	-10.89	-12.68	-14.46	-16.23	-18.00	-19.78	-21.55	-23.32	-25.09	-26.86	-28.63	-30.40	-32.17	
30	-7.94	-7.94	-7.94	-4.31	-0.10	0.74	1.08	1.93	1.39	1.88	1.01	-0.33	-0.41	-0.40	-0.78	-1.25	-1.80	-2.50	-3.42	-4.57	-5.95	-7.56	-9.38	-11.30	-13.31	-15.32	-17.33	-19.34	-21.35	-23.36	-25.37	-27.38	-29.39	-31.40	-33.41	-35.42	
35	-7.94	-7.94	-7.94	-4.31	-0.08	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
40	-7.94	-7.94	-7.94	-4.31	-0.06	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
45	-7.94	-7.94	-7.94	-4.31	-0.04	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
50	-7.94	-7.94	-7.94	-4.31	-0.02	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
55	-7.94	-7.94	-7.94	-4.31	-0.01	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
60	-7.94	-7.94	-7.94	-4.31	0.01	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
65	-7.94	-7.94	-7.94	-4.31	0.02	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
70	-7.94	-7.94	-7.94	-4.31	0.03	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
75	-7.94	-7.94	-7.94	-4.31	0.04	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
80	-7.94	-7.94	-7.94	-4.31	0.05	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
85	-7.94	-7.94	-7.94	-4.31	0.06	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
90	-7.94	-7.94	-7.94	-4.31	0.07	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
95	-7.94	-7.94	-7.94	-4.31	0.08	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
100	-7.94	-7.94	-7.94	-4.31	0.09	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
105	-7.94	-7.94	-7.94	-4.31	0.10	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
110	-7.94	-7.94	-7.94	-4.31	0.11	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
115	-7.94	-7.94	-7.94	-4.31	0.12	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
120	-7.94	-7.94	-7.94	-4.31	0.13	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
125	-7.94	-7.94	-7.94	-4.31	0.14	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
130	-7.94	-7.94	-7.94	-4.31	0.15	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
135	-7.94	-7.94	-7.94	-4.31	0.16	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
140	-7.94	-7.94	-7.94	-4.31	0.17	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
145	-7.94	-7.94	-7.94	-4.31	0.18	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
150	-7.94	-7.94	-7.94	-4.31	0.19	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
155	-7.94	-7.94	-7.94	-4.31	0.20	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
160	-7.94	-7.94	-7.94	-4.31	0.21	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
165	-7.94	-7.94	-7.94	-4.31	0.22	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60	-5.98	-7.60	-9.42	-11.43	-13.44	-15.45	-17.46	-19.47	-21.48	-23.49	-25.50	-27.51	-29.52	-31.53	-33.54	-35.55	
170	-7.94	-7.94	-7.94	-4.31	0.23	0.74	1.08	2.04	1.44	2.04	1.01	-0.38	-0.43	-0.43	-0.80	-1.27	-1.82	-2.52	-3.45	-4.60																	

Doc.No.:3.8.05 Rev

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)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	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	-4.33	-4.46	-4.78	-2.35	-4.78	0.45	1.04	0.97	0.51	-0.13	-0.30	-1.40	-1.38	-0.89	-1.53	-1.44	-2.24	-3.61	-4.16	-4.09	-4.93	-4.82	-4.72	-10.54	-13.37	-19.28	-19.24	-17.28	-17.07	-17.38	-20.25	-24.98	-26.12	-22.13	-21.06	-23.12	-25.63	-28.00	-25.63
5	-4.33	-4.57	-4.03	-2.55	-4.06	-0.61	1.40	1.38	0.76	-0.11	-0.88	-1.33	-1.58	-1.73	-1.68	-1.75	-2.47	-3.48	-3.03	-4.13	-4.05	-4.15	-9.34	-9.82	-12.86	-19.83	-18.40	-17.19	-17.98	-20.82	-24.31	-28.38	-27.42	-22.83	-21.86	-22.80	-25.63	-28.00	
10	-4.33	-4.46	-4.20	-2.60	-4.16	-0.70	1.35	1.34	0.70	-0.12	-0.82	-0.95	-1.04	-1.27	-1.20	-1.28	-2.21	-2.84	-3.14	-3.86	-4.53	-4.56	-4.74	-9.88	-9.57	-12.47	-19.44	-18.99	-17.48	-20.40	-21.48	-22.96	-24.88	-26.12	-22.13	-21.06	-22.74	-25.63	
15	-4.33	-4.46	-4.41	-2.36	-4.30	-0.80	0.80	0.77	1.87	2.04	1.33	0.15	-0.85	-0.82	-0.89	-0.80	-2.40	-3.21	-3.97	-3.37	-5.06	-7.00	-9.82	-9.85	-12.53	-19.80	-19.83	-22.38	-23.32	-24.88	-19.18	-21.50	-22.96	-23.32	-21.06	-22.80	-25.63	-28.00	
20	-4.33	-4.46	-4.53	-2.07	-4.10	-1.00	0.77	1.88	2.28	1.68	0.48	-0.48	-0.64	-0.95	-1.05	-2.78	-3.20	-3.53	-4.32	-4.00	-5.49	-7.38	-9.48	-9.28	-9.35	-12.28	-19.72	-19.31	-21.33	-22.38	-17.40	-18.80	-17.88	-20.18	-21.28	-21.98	-22.56	-25.63	
25	-4.33	-4.86	-4.60	-2.14	-3.15	-0.71	2.02	2.49	2.08	0.93	-0.18	-0.47	-0.76	-0.85	-0.83	-1.33	-1.71	-2.40	-4.93	-5.77	-4.40	-6.49	-7.15	-8.52	-8.37	-12.24	-20.07	-17.91	-19.59	-15.61	-20.88	-20.28	-17.88	-19.78	-21.96	-23.96	-22.52	-25.63	
30	-4.33	-4.80	-4.63	-2.17	-3.23	0.84	2.01	2.67	2.47	1.16	0.24	-0.28	-0.51	-0.22	-0.18	-0.30	-3.08	-4.41	-4.72	-6.22	-6.40	-7.59	-7.87	-9.35	-12.16	-19.81	-18.88	-14.10	-15.88	-24.44	-22.28	-17.97	-19.86	-20.88	-22.37	-22.54	-25.63		
35	-4.33	-4.86	-4.70	-2.20	-3.16	0.56	1.97	2.81	2.65	1.15	0.36	-0.14	-0.37	-0.36	-0.38	-0.46	-3.16	-4.53	-4.58	-6.08	-6.30	-7.48	-7.80	-9.33	-12.07	-19.83	-18.86	-14.16	-15.86	-24.44	-22.28	-17.97	-19.86	-20.88	-22.37	-22.54	-25.63		
40	-4.33	-4.83	-4.53	-2.07	-3.22	0.48	1.90	2.66	2.69	2.39	0.93	-0.23	-0.47	-0.70	-1.40	-2.43	-3.95	-4.89	-4.97	-6.46	-6.93	-7.48	-8.91	-10.28	-11.82	-15.88	-13.27	-22.09	-12.88	-16.88	-17.88	-14.42	-20.38	-20.14	-21.37	-22.52	-25.63		
45	-4.33	-4.78	-4.42	-2.86	-3.17	0.44	1.81	2.82	3.18	2.57	1.02	-0.56	-1.04	-1.15	-1.26	-1.60	-4.58	-5.70	-5.75	-6.64	-6.46	-8.21	-9.81	-10.87	-11.37	-13.10	-15.18	-11.82	-22.09	-15.82	-18.08	-14.10	-21.06	-20.46	-23.42	-22.50	-25.63		
50	-4.33	-4.71	-4.28	-2.82	-3.03	0.40	1.69	2.67	3.08	2.59	0.86	-1.17	-2.09	-1.19	-1.86	-1.65	-4.48	-6.10	-6.17	-6.40	-6.17	-8.24	-9.88	-10.38	-11.82	-13.62	-13.68	-11.63	-22.09	-16.48	-18.08	-18.53	-20.72	-20.73	-23.42	-22.77	-25.63		
55	-4.33	-4.78	-4.28	-2.82	-3.03	0.40	1.69	2.67	3.08	2.59	0.86	-1.17	-2.09	-1.19	-1.86	-1.65	-4.48	-6.10	-6.17	-6.40	-6.17	-8.24	-9.88	-10.38	-11.82	-13.62	-13.68	-11.63	-22.09	-16.48	-18.08	-18.53	-20.72	-20.73	-23.42	-22.77	-25.63		
60	-4.33	-4.52	-3.91	-2.46	-3.86	0.45	1.36	1.34	2.08	1.40	-0.31	-2.66	-3.90	-3.70	-3.18	-2.86	-3.22	-4.08	-4.48	-4.38	-4.83	-4.14	-6.24	-11.11	-14.81	-15.05	-11.38	-19.72	-19.00	-20.07	-19.33	-18.14	-21.33	-23.32	-20.80	-25.63	-28.00		
65	-4.33	-4.46	-3.71	-2.28	-3.73	0.44	1.10	1.31	1.12	0.32	-1.03	-3.08	-3.27	-2.64	-3.33	-2.86	-1.72	-2.68	-3.44	-3.56	-4.22	-4.48	-4.11	-6.44	-15.44	-15.44	-15.44	-10.68	-20.07	-10.04	-17.73	-17.48	-18.27	-19.31	-22.93	-22.94	-25.63		
70	-4.33	-4.30	-3.48	-2.08	-3.84	0.38	0.76	0.50	1.10	-1.18	-2.46	-2.91	-2.88	-1.17	-0.52	-0.42	-1.40	-2.61	-3.43	-4.43	-4.46	-4.40	-10.88	-14.18	-10.88	-10.88	-9.00	-19.78	-12.78	-14.18	-14.10	-17.50	-18.88	-22.56	-22.56	-25.63	-28.00		
75	-4.33	-4.18	-3.28	-1.82	-3.56	0.28	0.36	0.43	-1.74	-2.97	-3.52	-2.63	-1.89	-0.87	-0.55	-0.79	-0.68	-2.08	-3.32	-4.76	-4.44	-4.50	-10.88	-13.14	-12.88	-10.88	-9.00	-19.12	-12.38	-14.82	-15.88	-16.96	-18.77	-22.18	-22.94	-25.63	-28.00		
80	-4.33	-4.06	-3.07	-1.77	-3.54	0.15	0.13	0.05	-1.40	-2.98	-4.06	-3.26	-2.47	-1.46	-0.82	-1.09	-0.78	-2.10	-3.61	-5.25	-5.15	-5.10	-11.00	-12.41	-11.43	-10.74	-10.86	-12.70	-12.41	-14.82	-15.88	-16.96	-18.77	-22.18	-22.94	-25.63	-28.00		
85	-4.33	-3.94	-2.86	-1.63	-3.57	0.04	-0.34	-0.34	-4.76	-4.41	-5.35	-4.50	-4.41	-3.69	-2.92	-2.24	-1.05	-2.06	-4.81	-6.38	-8.24	-8.07	-11.21	-11.41	-10.85	-10.38	-10.88	-12.03	-13.44	-14.71	-15.22	-16.70	-19.37	-21.36	-22.80	-25.63	-28.00		
90	-4.33	-3.82	-2.66	-1.51	-3.61	-0.22	-0.63	-2.16	-4.51	-4.95	-6.82	-5.42	-5.77	-4.13	-3.14	-2.32	-0.80	-2.32	-4.37	-6.40	-8.12	-9.40	-11.32	-11.88	-10.86	-10.38	-11.12	-12.88	-14.82	-15.72	-16.82	-18.90	-19.12	-20.80	-22.66	-25.63	-28.00		
95	-4.33	-3.71	-2.48	-1.40	-3.68	0.38	0.74	2.01	-0.38	0.17	-4.25	-5.42	-5.22	-4.01	-3.43	-2.86	-2.51	-3.97	-6.18	-8.36	-9.40	-10.82	-12.43	-13.43	-12.88	-12.37	-13.27	-15.81	-17.18	-16.87	-17.41	-18.88	-19.38	-20.32	-22.46	-25.63	-28.00		
100	-4.33	-3.61	-2.31	-1.30	-3.75	-0.55	-0.76	-1.88	-1.18	-4.11	-5.68	-6.24	-5.81	-4.68	-3.90	-3.40	-3.16	-4.58	-7.48	-9.48	-10.34	-12.06	-13.06	-12.88	-12.37	-13.27	-15.81	-17.18	-16.87	-17.41	-18.88	-19.38	-20.32	-22.46	-25.63	-28.00			
105	-4.33	-3.50	-2.15	-1.21	-3.77	-0.63	-0.73	-2.43	-1.06	-4.15	-5.85	-6.48	-6.05	-4.92	-4.13	-3.63	-3.42	-4.88	-7.82	-9.88	-10.74	-12.46	-13.46	-13.28	-12.77	-13.67	-16.31	-17.68	-17.37	-17.91	-19.38	-19.88	-20.82	-22.94	-25.63	-28.00			
110	-4.33	-3.44	-2.00	-1.12	-4.00	-0.71	-0.69	-1.03	-1.74	-3.39	-6.89	-7.15	-6.17	-5.48	-4.22	-3.49	-3.22	-4.58	-8.22	-9.71	-10.53	-12.25	-13.25	-13.07	-12.56	-13.46	-16.10	-17.48	-17.17	-17.71	-19.18	-19.68	-20.62	-22.74	-25.63	-28.00			
115	-4.33	-3.37	-1.88	-1.03	-4.78	-0.74	-0.63	-0.77	-1.20	-1.18	-6.50	-6.05	-6.08	-5.12	-4.10	-3.85	-4.01	-5.62	-7.40	-8.63	-9.18	-10.84	-11.84	-11.66	-11.15	-12.05	-14.69	-16.07	-15.76	-16.30	-17.77	-18.27	-19.28	-21.36	-23.53	-25.63	-28.00		
120	-4.33	-3.32	-1.77	-0.93	-4.75	-0.71	-0.55	-0.54	-0.75	-0.55	-1.14	-6.66	-6.01	-6.09	-6.08	-5.32	-4.30	-3.76	-5.11	-6.72	-8.56	-9.53	-11.14	-12.14	-11.96	-11.45	-12.35	-14.98	-16.36	-16.05	-16.58	-17.98	-18.48	-19.49	-21.57	-23.74	-25.63		
125	-4.33	-3.25	-1.68	-0.86	-4.72	-0.68	-0.48	-0.48	-0.74	-0.48	-1.14	-6.54	-5.89	-5.97	-5.96	-5.20	-4.18	-3.64	-5.00	-6.61	-8.45	-9.42	-11.03	-12.03	-11.85	-11.34	-12.24	-14.87	-16.25	-15.94	-16.47	-17.87	-18.37	-19.38	-21.46	-23.63	-25.63		
130	-4.33	-3.27	-1.63	-0.74	-4.56	-0.55	-0.22	0.03	0.11	-0.36	0.82	-1.46	-1.87	-1.58	-1.28	-0.96	-1.15	-2.18	-3.05	-3.91	-4.88	-5.85	-6.82	-7.79	-8.81	-10.14	-11.51	-12.77	-13.77	-14.85	-15.93	-17.01	-18.09	-19.17	-21.25	-23.42	-25.63		
135	-4.33	-3.27	-1.61	-0.67	-4.43	-0.40	0.01	0.39	0.61	0.86	1.26	-1.65	-1.83	-1.77	-1.47	-1.00	-1.10	-2.18	-3.19	-4.38	-5.71	-6.84	-7.84	-8.86	-10.10	-11.33	-12.60	-13.86	-14.92	-16.01	-17.10	-18.18	-19.27	-20.35	-21.43	-23.50	-25.63		
140	-4.33	-3.28	-1.62	-0.62	-3.93	-0.34	0.24	0.74	1.10	1.37	1.83	-1.81	-1.82	-1.83	-1.28	-0.64	-0.82	-1.48	-2.86	-4.12	-5.57	-7.08	-8.24	-9.42	-10.35	-11.59	-12.88	-13.98	-15.08	-16.18	-17.28	-18.38	-19.48	-20.58	-21.68	-23.75	-25.63		
145	-4.33	-3.33	-1.67	-0.62	-4.22	-0.02	0.47	1.00	1.50	1.82	1.97	-1.82	-1.88	-1.72	-1.54	-1.04	-1.14	-2.82	-4.78	-6.22	-7.93	-9.42	-10.38	-11.68	-12.88	-13.98	-15.08	-16.18	-17.28	-18.38	-19.48	-20.58	-21.68	-22.78	-23.88	-25.95	-28.02		
150	-4.33	-3.34	-1.68	-0.60	-4.28	0.05	0.44	1.13	1.24	2.11	1.91	-1.81	-1.41	-1.05	-0.84	-0.78	-1.38	-2.81	-4.78	-6.22	-7.93	-9.42	-10.38	-11.68	-12.88	-13.98	-15.08	-16.18	-17.28	-18.38	-19.48	-20.58	-21.68	-22.78	-23.88	-25.95	-28.02		
155	-4.33	-3.46	-1.93	-0.80	-4.38	0.03	0.45	1.11	1.78	2.30	2.21	-1.88	-1.85	-1.07	-1.12	-1.40	-2.48	-4.08	-5.88	-7.48	-9.08	-10.58	-11.88	-13.08	-14.28	-15.48	-16.68	-17.88	-18.98	-20.08	-21.18	-22.28	-23.38	-24.48	-25.58	-27.65	-29.72		
160	-4.33	-3.55	-2.14	-1.01	-4.42	-0.11	0.30	0.85	1.67	2.18	2.80	-1.53	-0.69	-0.42	-1.17	-1.14	-2.25	-2.82	-4.22</																				

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	-9.15	-8.72	-8.23	-7.69	-7.08	-6.43	-5.77	-5.07	-4.38	-3.63	-2.94
5	-3.77	-4.64	-4.78	-3.22	-4.30	1.07	2.14	2.00	1.15	0.15	-0.20	-0.85	-1.51	-2.07	-3.10	-4.06	-5.17	-6.33	-7.16	-8.31	-9.14	-9.72	-10.12	-10.32	-10.37	-10.28	-10.09	-9.81	-9.45	-9.02	-8.53	-7.98	-7.37	-6.72	-6.05	-5.34	-4.62	-3.90	
10	-3.77	-4.64	-4.78	-3.22	-4.30	1.07	2.14	2.00	1.15	0.15	-0.20	-0.85	-1.51	-2.07	-3.10	-4.06	-5.17	-6.33	-7.16	-8.31	-9.14	-9.72	-10.12	-10.32	-10.37	-10.28	-10.09	-9.81	-9.45	-9.02	-8.53	-7.98	-7.37	-6.72	-6.05	-5.34	-4.62	-3.90	
15	-3.77	-4.64	-4.78	-3.22	-4.30	1.07	2.14	2.00	1.15	0.15	-0.20	-0.85	-1.51	-2.07	-3.10	-4.06	-5.17	-6.33	-7.16	-8.31	-9.14	-9.72	-10.12	-10.32	-10.37	-10.28	-10.09	-9.81	-9.45	-9.02	-8.53	-7.98	-7.37	-6.72	-6.05	-5.34	-4.62	-3.90	
20	-3.77	-4.65	-5.09	-3.86	-4.17	0.83	2.24	2.01	1.29	1.10	0.00	0.61	0.02	-0.32	-1.25	-3.00	-4.04	-4.38	-4.79	-5.20	-5.70	-6.18	-6.70	-7.18	-7.68	-8.19	-8.69	-9.19	-9.68	-10.16	-10.61	-11.02	-11.42	-11.82	-12.24	-12.67	-13.07	-13.45	
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	-0.12	-0.55	-1.38	-3.54	-5.05	-7.28	-9.32	-11.52	-13.82	-16.22	-18.62	-21.02	-23.42	-25.82	-28.22	-30.62	-33.02	-35.42	-37.82	-40.22	-42.62	-45.02	-47.42	-49.82		
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	-3.53	-5.31	-7.37	-9.25	-11.37	-13.72	-16.22	-18.62	-21.02	-23.42	-25.82	-28.22	-30.62	-33.02	-35.42	-37.82	-40.22	-42.62	-45.02	-47.42	-49.82	-52.22		
35	-3.77	-4.57	-4.86	-4.04	-2.74	0.06	1.97	3.01	2.96	1.86	0.82	0.61	0.41	-0.65	-1.91	-3.69	-5.67	-7.85	-9.93	-12.31	-14.80	-17.40	-20.00	-22.60	-25.20	-27.80	-30.40	-33.00	-35.60	-38.20	-40.80	-43.40	-46.00	-48.60	-51.20	-53.80			
40	-3.77	-4.15	-4.65	-4.04	-2.14	-0.06	1.76	3.01	2.95	1.56	1.12	0.42	0.50	0.24	-0.60	-1.72	-3.74	-5.95	-8.62	-11.24	-13.97	-16.82	-19.74	-22.66	-25.58	-28.50	-31.42	-34.34	-37.26	-40.18	-43.10	-46.02	-48.94	-51.86	-54.78	-57.70	-60.62		
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	0.04	-0.03	-0.06	-0.74	-2.01	-3.51	-4.47	-5.45	-6.43	-7.40	-8.38	-9.36	-10.34	-11.32	-12.30	-13.28	-14.26	-15.24	-16.22	-17.20	-18.18	-19.16	-20.14	-21.12	-22.10		
50	-3.77	-3.95	-4.00	-3.38	-1.17	0.13	1.70	2.64	3.22	2.58	1.06	0.72	-0.07	-0.84	-1.23	-2.22	-3.70	-4.91	-5.86	-6.80	-7.75	-8.69	-9.63	-10.57	-11.51	-12.45	-13.39	-14.33	-15.27	-16.21	-17.15	-18.09	-19.03	-19.97	-20.91	-21.85	-22.79		
55	-3.77	-3.78	-3.76	-3.25	-0.89	0.37	1.73	2.70	3.20	2.50	1.02	0.78	-0.21	-0.81	-1.20	-2.17	-3.40	-4.50	-5.45	-6.39	-7.33	-8.27	-9.21	-10.15	-11.09	-12.03	-12.97	-13.91	-14.85	-15.79	-16.73	-17.67	-18.61	-19.55	-20.49	-21.43	-22.37		
60	-3.77	-3.54	-3.41	-2.53	-0.43	0.61	1.74	2.44	2.55	1.77	0.91	0.81	-0.26	-0.97	-1.37	-2.75	-4.13	-5.25	-6.01	-6.81	-7.61	-8.41	-9.21	-10.01	-10.81	-11.61	-12.41	-13.21	-14.01	-14.81	-15.61	-16.41	-17.21	-18.01	-18.81	-19.61			
65	-3.77	-3.38	-3.07	-1.12	-0.57	0.80	1.65	2.00	1.79	0.87	-0.76	-0.78	-0.28	-0.05	-0.18	-0.73	-1.35	-2.00	-2.47	-3.09	-3.72	-4.34	-4.95	-5.56	-6.17	-6.78	-7.39	-8.00	-8.61	-9.22	-9.83	-10.44	-11.05	-11.66	-12.27	-12.88	-13.49		
70	-3.77	-3.22	-2.74	-1.74	-0.28	0.89	1.43	1.33	0.67	-0.48	-1.04	-0.56	-0.19	-0.19	-0.14	0.36	0.11	-1.27	-2.25	-3.18	-4.12	-5.05	-5.92	-6.80	-7.67	-8.54	-9.41	-10.28	-11.15	-12.02	-12.89	-13.76	-14.63	-15.50	-16.37	-17.24	-18.11		
75	-3.77	-3.07	-2.44	-2.41	-0.07	0.80	1.07	0.45	-0.08	-0.27	-1.12	-0.77	-1.55	-0.41	0.65	1.26	1.80	-0.20	-1.35	-2.44	-3.54	-4.58	-5.62	-6.66	-7.70	-8.74	-9.78	-10.82	-11.86	-12.90	-13.94	-14.98	-16.02	-17.06	-18.10	-19.14			
80	-3.77	-2.90	-2.17	-1.74	0.06	0.77	0.67	0.16	-0.79	-1.24	-0.61	-0.78	-1.24	-0.01	1.12	1.74	1.41	-0.34	-1.94	-3.00	-4.06	-5.12	-6.18	-7.24	-8.30	-9.36	-10.42	-11.48	-12.54	-13.60	-14.66	-15.72	-16.78	-17.84	-18.90	-19.96			
85	-3.77	-2.66	-1.90	-1.30	-0.93	0.80	0.58	0.12	-0.40	-0.78	-1.42	-0.70	-1.20	-0.02	1.61	1.83	1.32	0.10	-1.34	-2.40	-3.46	-4.52	-5.58	-6.64	-7.70	-8.76	-9.82	-10.88	-11.94	-13.00	-14.06	-15.12	-16.18	-17.24	-18.30	-19.36			
90	-3.77	-2.68	-1.72	-0.78	0.07	0.35	0.32	-0.06	-0.43	-0.25	-0.54	-0.77	-1.16	-0.35	0.33	0.84	0.48	-0.80	-2.05	-3.30	-4.51	-5.68	-6.84	-8.00	-9.16	-10.32	-11.48	-12.64	-13.80	-14.96	-16.12	-17.28	-18.44	-19.60	-20.76	-21.92			
95	-3.77	-2.58	-1.56	-0.67	0.01	0.11	0.64	-0.28	-0.38	-0.58	-0.47	-0.46	-1.19	-0.44	-0.88	-0.60	-1.07	-2.70	-4.08	-5.32	-6.49	-7.65	-8.80	-9.95	-11.10	-12.25	-13.40	-14.55	-15.70	-16.85	-18.00	-19.15	-20.30	-21.45	-22.60	-23.75			
100	-3.77	-2.51	-1.42	-0.61	-0.08	-0.10	-0.08	-0.14	-0.48	-0.26	-0.18	-0.38	-0.79	-0.26	-0.59	-0.34	-1.15	-2.39	-3.63	-4.87	-6.11	-7.35	-8.59	-9.83	-11.07	-12.31	-13.55	-14.79	-16.03	-17.27	-18.51	-19.75	-20.99	-22.23	-23.47	-24.71			
105	-3.77	-2.44	-1.35	-0.57	-0.38	-0.24	-0.79	-1.22	-0.27	-0.18	-0.37	-0.87	-0.27	-0.80	-0.28	-1.05	-2.27	-3.64	-5.01	-6.37	-7.74	-9.10	-10.46	-11.82	-13.18	-14.54	-15.90	-17.26	-18.62	-19.98	-21.34	-22.70	-24.06	-25.42	-26.78	-28.14			
110	-3.77	-2.38	-1.25	-0.57	-0.27	-0.32	-0.63	-1.17	-1.17	-1.48	-0.68	-0.96	-0.30	-1.22	-0.86	-2.00	-4.12	-6.00	-7.88	-9.76	-11.64	-13.52	-15.40	-17.28	-19.16	-21.04	-22.92	-24.80	-26.68	-28.56	-30.44	-32.32	-34.20	-36.08	-37.96	-39.84			
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	0.70	0.12	-0.47	-1.11	-2.38	-4.45	-6.25	-8.28	-10.08	-11.88	-13.68	-15.48	-17.28	-19.08	-20.88	-22.68	-24.48	-26.28	-28.08	-29.88	-31.68	-33.48	-35.28	-37.08			
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	-4.14	-6.22	-8.49	-10.73	-12.97	-15.21	-17.45	-19.69	-21.93	-24.17	-26.41	-28.65	-30.89	-33.13	-35.37	-37.61	-39.85	-42.09	-44.33			
125	-3.77	-2.36	-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	-4.14	-6.22	-8.49	-10.73	-12.97	-15.21	-17.45	-19.69	-21.93	-24.17	-26.41	-28.65	-30.89	-33.13	-35.37	-37.61	-39.85	-42.09	-44.33			
130	-3.77	-2.37	-1.27	-0.57	-0.46	-0.10	0.48	0.89	1.11	1.46	1.90	2.34	2.59	2.58	2.32	1.79	-0.78	-2.46	-4.52	-7.11	-9.68	-12.25	-14.82	-17.39	-19.96	-22.53	-25.10	-27.67	-30.24	-32.81	-35.38	-37.95	-40.52	-43.09	-45.66	-48.23			
135	-3.77	-2.41	-1.36	-0.40	-0.53	-0.07	0.65	1.23	1.59	1.96	2.32	2.55	2.56	2.41	2.05	1.40	-0.37	-0.89	-2.04	-3.60	-5.40	-7.30	-9.20	-11.10	-13.00	-14.90	-16.80	-18.70	-20.60	-22.50	-24.40	-26.30	-28.20	-30.10	-32.00	-33.90			
140	-3.77	-2.47	-1.46	-0.93	-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	-3.60	-4.44	-5.54	-6.80	-8.16	-9.52	-10.88	-12.24	-13.60	-14.96	-16.32	-17.68	-19.04	-20.40	-21.76	-23.12	-24.48	-25.84			
145	-3.77	-2.55	-1.41	-0.80	-0.40	-0.20	-0.68	1.40	2.12	2.68	2.70	2.46	1.88	1.01	0.11	-0.51	-2.56	-4.44	-6.52	-8.40	-10.28	-12.16	-14.04	-15.92	-17.80	-19.68	-21.56	-23.44	-25.32	-27.20	-29.08	-30.96	-32.84	-34.72	-36.60	-38.48			
150	-3.77	-2.64	-1.40	-0.65	-0.26	-0.14	-0.20	1.14	2.00	2.46	2.76	2.71	2.18	1.08	0.17	-0.88	-2.81	-4.50	-6.40	-8.30	-10.20	-12.10	-14.00	-15.90	-17.80	-19.70	-21.60	-23.50	-25.40	-27.30	-29.20	-31.10	-33.00	-34.90	-36.80	-38.70			
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	-2.66	-3.75	-4.52	-5.30	-6.17	-7.04	-7.91	-8.78	-9.65	-10.52	-11.39	-12.26	-13.13	-14.00	-14.87	-15.74	-16.61				
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	-0.46	-0.96	-0.90	-1.15	-1.88	-2.32	-3.79	-4.50	-5.38	-6.26	-7.14	-8.02	-8.90	-9.78	-10.66	-11.54	-12.42	-13.30	-14.18	-15.06	-15.94				
165	-3.77	-2.89	-2.07	-2.30	-1.73	-1.50	-1.44	-0.74	-0.24	1.14	1.38	0.86	0.34	-0.37	-0.46	-0.15	-0																						

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	-0.39	-4.91	-9.48	-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	-10.38	-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	-3.06	-2.21	-1.07	1.21	0.67	1.07	1.07	1.07	-0.07	-1.07	-2.46	-4.13	-4.00	-3.40	-2.40	-1.50	-0.40	-0.27	-3.40	-9.48	-10.16	-10.38	-12.74	-14.22	-13.52	-12.44	-15.45	-16.89	-16.24	-16.05	-16.96	-19.04	-24.18			
15	-7.25	-4.68	-3.15	-2.40	-1.00	1.30	0.88	1.31	0.88	0.54	0.74	1.03	-1.03	-0.87	-2.19	-3.48	-2.47	-1.58	-0.47	-0.38	-4.15	-9.35	-10.27	-10.84	-13.15	-12.88	-12.44	-15.45	-17.35	-16.54	-16.45	-17.35	-19.04	-24.18				
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	-5.65	-6.02	-4.01	-3.11	-4.64	-8.98	-11.32	-12.22	-12.78	-15.03	-14.84	-13.14	-11.24	-14.14	-16.23	-15.42	-15.30	-16.45	-19.04	-24.18			
25	-7.25	-4.46	-3.35	-4.95	-0.84	1.46	1.56	1.32	1.17	1.22	1.30	0.88	-0.16	-3.45	-5.33	-5.46	-4.88	-3.40	-2.80	-5.14	-8.33	-10.45	-11.46	-12.50	-14.74	-14.17	-10.45	-13.23	-15.45	-14.30	-15.40	-15.64	-15.92	-19.04	-24.18			
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	-4.98	-10.24	-10.99	-11.93	-12.73	-15.02	-14.00	-13.28	-14.80	-15.12	-15.64	-16.11	-15.98	-19.04	-24.18				
35	-7.25	-4.27	-3.82	-2.12	0.47	2.10	2.12	2.27	1.94	1.82	1.79	1.15	-0.45	-2.30	-3.77	-3.88	-3.08	-2.40	-2.50	-5.40	-10.41	-11.46	-12.47	-13.45	-15.45	-14.13	-14.46	-15.24	-15.42	-16.21	-16.70	-17.44	-19.04	-24.18				
40	-7.25	-4.22	-3.73	-1.84	0.40	1.40	2.26	2.41	1.99	1.40	1.28	1.56	1.23	-0.26	-2.40	-3.84	-3.68	-3.18	-2.57	-2.62	-4.61	-10.88	-10.93	-11.79	-13.82	-14.27	-15.12	-15.06	-16.02	-16.78	-16.28	-16.19	-17.35	-19.04	-24.18			
45	-7.25	-4.17	-3.83	-0.88	-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	-10.75	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18			
50	-7.25	-4.12	-3.80	-2.25	-0.42	1.11	2.29	2.67	2.22	1.70	0.82	0.10	-0.29	-1.55	-3.46	-4.61	-4.88	-4.24	-3.40	-4.41	-10.65	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
55	-7.25	-4.06	-3.86	-2.40	-0.88	1.12	2.18	2.61	2.15	1.61	0.80	0.20	-0.48	-1.63	-3.70	-4.61	-4.16	-3.97	-3.70	-4.41	-10.75	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
60	-7.25	-4.04	-3.87	-2.40	-0.54	0.68	1.50	2.41	2.01	0.54	-1.57	-2.68	-3.80	-3.85	-4.58	-4.73	-4.46	-3.95	-3.40	-4.52	-10.75	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
65	-7.25	-4.01	-3.80	-2.40	-0.80	-0.46	1.50	2.07	1.68	0.13	-1.29	-3.79	-4.17	-4.85	-4.58	-3.88	-4.83	-3.88	-3.15	-4.48	-10.75	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
70	-7.25	-3.97	-3.80	-2.32	-0.83	0.31	1.23	1.63	1.21	-0.42	-0.88	-4.78	-5.14	-4.58	-4.73	-3.73	-4.40	-3.80	-3.24	-4.52	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
75	-7.25	-3.94	-3.89	-2.22	-0.80	0.20	0.86	1.16	0.82	-1.11	-0.84	-5.03	-4.84	-4.25	-4.07	-3.73	-3.51	-3.47	-3.44	-3.73	-10.46	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
80	-7.25	-3.96	-4.02	-2.12	-0.82	0.40	0.88	1.40	1.08	-1.40	-1.82	-4.78	-4.97	-4.53	-4.20	-3.77	-3.40	-3.40	-3.40	-3.40	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
85	-7.25	-3.96	-4.07	-2.10	-0.44	0.64	1.06	0.81	-0.14	-0.54	-0.84	-4.68	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-4.46	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
90	-7.25	-3.82	-4.17	-2.15	-0.32	0.94	1.44	1.16	0.14	-1.14	-1.16	-4.78	-5.24	-5.14	-3.95	-2.58	-3.34	-3.78	-2.78	-2.78	-3.30	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18			
95	-7.25	-3.77	-4.29	-2.25	-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	-3.08	-3.01	-4.16	-10.46	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
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	-3.71	-3.42	-2.40	-2.36	-2.22	-3.38	-10.46	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
105	-7.25	-3.85	-4.55	-2.91	-0.47	1.27	2.45	2.68	1.88	0.89	-0.48	-2.83	-3.58	-3.15	-3.72	-2.82	-2.47	-2.50	-3.76	-10.46	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
110	-7.25	-3.53	-4.64	-3.34	-1.17	1.01	2.41	2.60	2.38	1.95	-0.40	-3.85	-4.40	-3.37	-4.83	-4.40	-3.11	-2.02	-2.21	-2.48	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
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	-0.68	-0.84	-0.41	-0.35	-1.15	-2.22	-2.78	-4.48	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18				
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	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
125	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
130	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
135	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
140	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
145	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
150	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
155	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
160	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
165	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
170	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38	-0.22	-1.02	-1.17	-2.08	-3.34	-4.28	-10.74	-10.74	-11.40	-13.82	-14.25	-15.00	-14.80	-15.88	-16.27	-16.04	-16.10	-17.72	-19.04	-24.18					
175	-7.25	-3.68	-4.58	-4.00	-2.40	-0.40	1.71	2.38	2.25	1.94	1.36	0.61	-0.38																									

[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 (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	Response (dB)	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	-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	3.30	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	-4.86	-3.65	-4.44	1.39	1.67	1.09	0.12	-0.43	-1.18	0.14	1.78	2.68	3.40	3.69	3.95	3.78	3.36	2.68	1.58	0.15	-1.15	-2.05	-3.40	-5.23	-6.54	-8.08	-9.44	-9.67	-9.44	-9.42	-9.16	-8.75	-8.02	-7.16		
15	-5.74	-4.12	-3.39	-4.28	1.38	1.70	1.23	0.13	0.45	-0.81	0.81	2.58	3.48	3.85	4.11	4.07	3.86	3.31	2.40	1.30	-0.45	-1.35	-2.38	-3.88	-5.48	-6.94	-8.47	-9.21	-9.32	-9.24	-9.36	-9.16	-8.75	-8.02	-7.16		
20	-5.74	-3.77	-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	0.50	-1.10	-2.43	-3.63	-4.38	-6.40	-7.79	-9.56	-10.46	-9.36	-9.07	-9.08	-9.25	-9.32	-9.16	-8.75	-8.02		
25	-5.74	-3.47	-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	-3.77	-4.88	-6.44	-8.24	-9.56	-10.40	-9.48	-9.07	-9.11	-9.19	-9.24	-9.16	-8.75		
30	-5.74	-3.18	-4.12	-4.25	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	-3.90	-4.45	-6.40	-8.24	-9.48	-10.46	-9.48	-9.07	-9.11	-9.19	-9.24	-9.16	-8.75		
35	-5.74	-2.96	-4.66	-4.55	0.87	1.00	1.10	1.27	1.79	2.40	2.87	3.09	3.13	3.02	2.80	2.42	1.85	0.86	0.12	-1.55	-3.11	-3.71	-3.20	-4.13	-5.58	-6.57	-8.46	-9.99	-10.46	-9.99	-9.48	-9.34	-9.35	-9.17	-9.20		
40	-5.74	-2.76	-4.39	-4.36	0.80	0.76	0.83	1.03	1.62	2.10	2.67	2.82	2.83	2.68	2.40	2.03	1.48	0.78	-0.10	-1.40	-2.93	-3.43	-2.71	-3.48	-4.84	-5.40	-7.44	-8.97	-9.99	-10.46	-9.99	-9.48	-9.34	-9.35	-9.17		
45	-5.74	-2.54	-4.54	-4.64	-1.13	-0.13	0.36	0.56	0.64	1.11	1.88	2.38	2.67	2.74	2.63	2.58	2.30	1.66	0.57	-0.74	-1.83	-2.53	-3.07	-3.72	-4.65	-5.98	-7.38	-8.46	-9.97	-10.46	-9.97	-9.48	-9.34	-9.35	-9.17		
50	-5.74	-2.36	-4.70	-4.76	-0.46	-0.58	-0.01	0.19	0.30	0.73	1.40	2.00	2.30	2.40	2.41	2.39	2.10	1.55	0.36	-1.07	-2.24	-3.06	-3.84	-4.68	-5.58	-6.45	-8.19	-9.48	-10.46	-9.48	-9.07	-9.14	-9.03	-9.47	-9.20		
55	-5.74	-2.21	-4.74	-4.79	-1.32	-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	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
60	-5.74	-2.06	-4.77	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
65	-5.74	-1.92	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
70	-5.74	-1.78	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
75	-5.74	-1.65	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
80	-5.74	-1.52	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
85	-5.74	-1.40	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
90	-5.74	-1.28	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
95	-5.74	-1.16	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
100	-5.74	-1.04	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
105	-5.74	-0.92	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
110	-5.74	-0.80	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
115	-5.74	-0.68	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
120	-5.74	-0.56	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
125	-5.74	-0.44	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
130	-5.74	-0.32	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
135	-5.74	-0.20	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
140	-5.74	-0.08	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
145	-5.74	0.04	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
150	-5.74	0.16	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
155	-5.74	0.28	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
160	-5.74	0.40	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
165	-5.74	0.52	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
170	-5.74	0.64	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
175	-5.74	0.76	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85	-4.98	-5.93	-6.39	-7.32	-8.78	-9.24	-9.47	-10.46	-9.47	-9.08	-9.58	-9.50	-9.48	-9.11		
180	-5.74	0.88	-4.79	-4.79	-1.38	-0.78	0.48	0.03	0.45	1.05	1.48	1.78	1.86	1.90	1.92	1.86	1.22	0.03	-1.54	-2.81	-3.85																