







Table with columns for frequency (6.995G/Pol), theta/azim. 4, gain, and various Phi(theta) values for 7.5, 12.5, 15, 22.5, 30, 37.5, 45, 52.5, 60, 67.5, 75, 82.5, 90, 97.5, 105, 112.5, 120, 127.5, 135, 142.5, 150, 157.5, 165, 172.5, 180 degrees.



Total Gain Data

Table with columns for Frequency (MHz), Gain, and various Azimuth/Elevation angles. Contains gain data for 2.45GHz, 5.2GHz, and 5.6GHz bands across 300+ elevation and 360+ azimuth points.





# Antenna Pattern\_2.4GHz, 5GHz UNII-1~UNII-3(Radio 1)

# Appendix E

θ (°)	4.591-3.08	-1.411-1.17	-1.091-1.32	-1.561-1.18	-0.171-0.46	-1.761-0.06	-3.931-2.45	-3.481-6.27	-5.411-6.64	-6.301-8.86	-5.351-4.13	-4.341-4.05	-5.091-2.10	-0.501-1.21	-2.751-0.49	-4.301-3.55	-2.891-1.98	-2.721-5.77	-4.561-4.48	-6.281-10.48	-11.991-10.77	-11.411-13.10	-8.711-4.79	-4.071-0.40
Gain	3.74376	3.58356	3.69371	3.64349	3.34340	3.49350	3.61357	3.53371	3.84381	3.68357	3.61385	4.13414	4.08393	4.04402	3.83377	3.79373	3.82381	3.77379	3.72375	3.73361	3.55351	3.56348	3.45347	3.54364



# Antenna Pattern\_2.4GHz, 5GHz UNII-1~UNII-3(Radio 1)

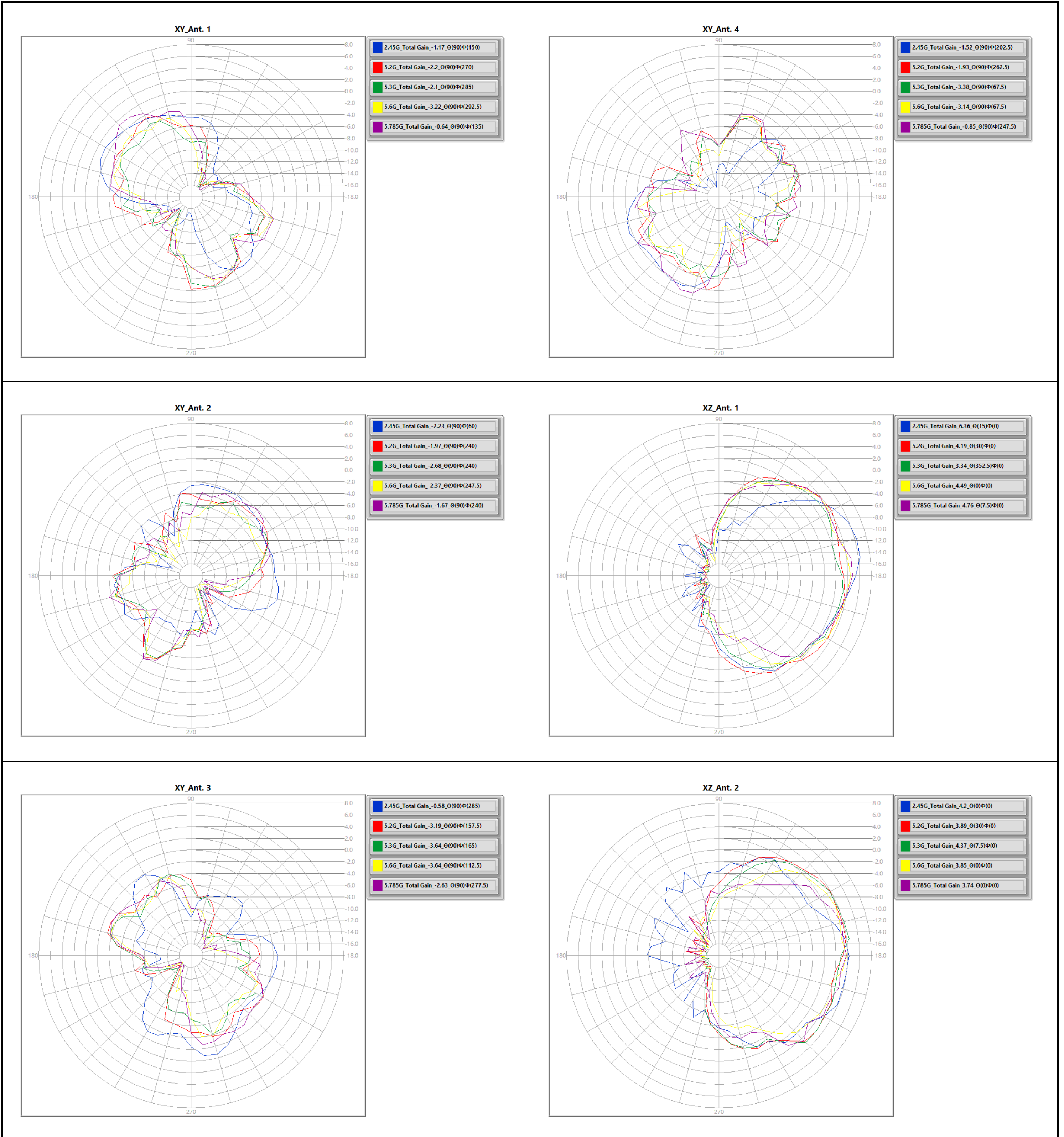
# Appendix E

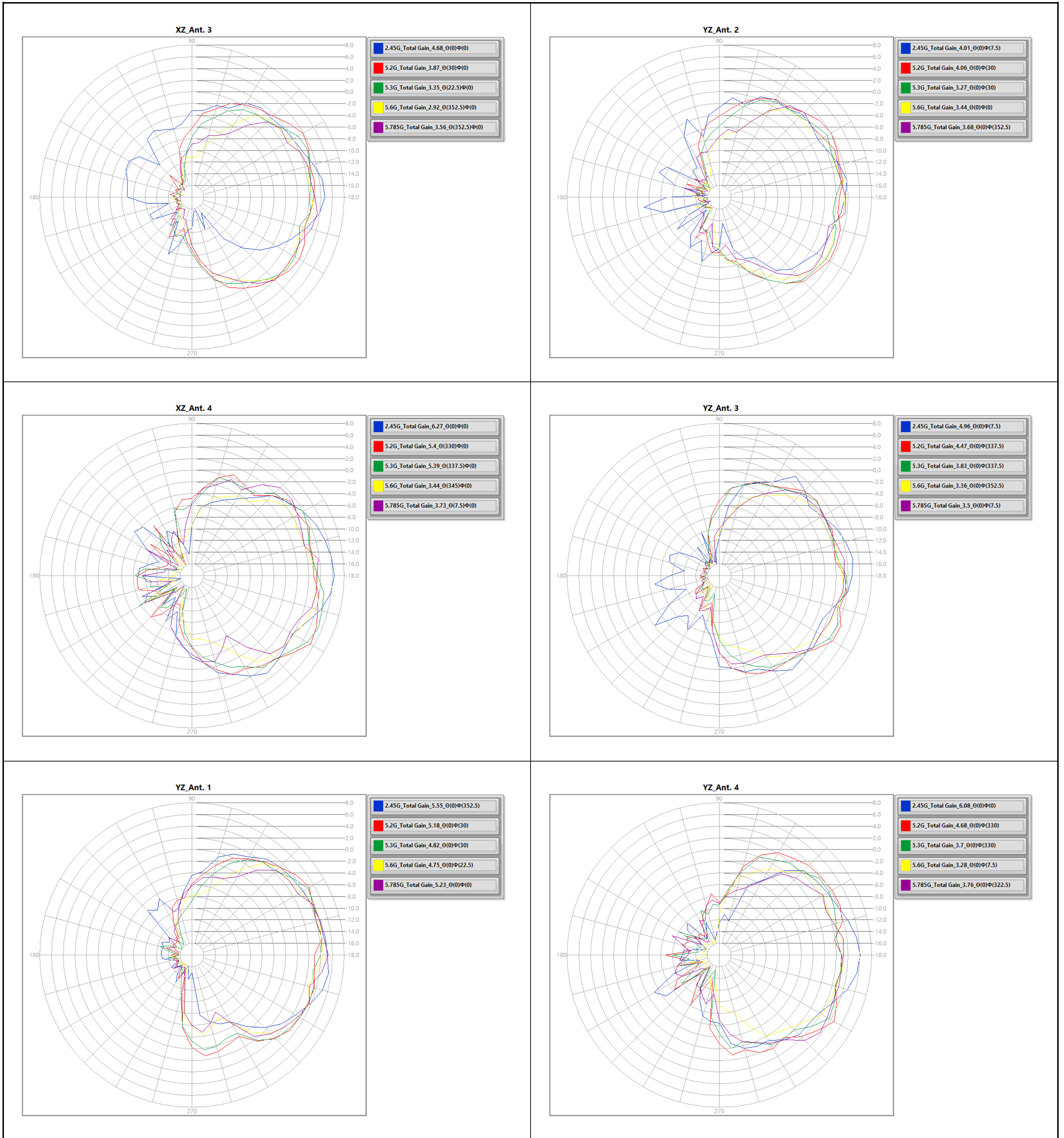
Theta (°)	-15.01-14.25	-14.34-14.81	-14.92-15.11	-15.02-15.57	-14.96-15.27	-15.03-15.39	-14.92-14.97	-12.69-13.83	-14.50-15.72	-13.10-12.80	-14.23-13.91	-12.80-13.26	-11.75-13.38	-15.60-15.46	-15.86-15.67	-15.17-15.20	-15.62-15.26	-15.32-13.71	-13.07-12.02	-10.14-9.78	-12.00-14.21	-14.08-10.79	-9.80-12.06	-13.83-12.68
Gain	Phi(0°)Phi(7.5°)	Phi(15°)Phi(22.5°)	Phi(30°)Phi(37.5°)	Phi(45°)Phi(52.5°)	Phi(60°)Phi(67.5°)	Phi(75°)Phi(82.5°)	Phi(90°)Phi(97.5°)	Phi(105°)Phi(112.5°)	Phi(120°)Phi(127.5°)	Phi(135°)Phi(142.5°)	Phi(150°)Phi(157.5°)	Phi(165°)Phi(172.5°)	Phi(180°)Phi(187.5°)	Phi(195°)Phi(202.5°)	Phi(210°)Phi(217.5°)	Phi(225°)Phi(232.5°)	Phi(240°)Phi(247.5°)	Phi(255°)Phi(262.5°)	Phi(270°)Phi(277.5°)	Phi(285°)Phi(292.5°)	Phi(300°)Phi(307.5°)	Phi(315°)Phi(322.5°)	Phi(330°)Phi(337.5°)	Phi(345°)Phi(352.5°)
Theta (0°)	2.50246	2.57265	2.67272	2.81279	2.94308	3.07308	2.90286	2.87281	2.77272	2.76270	2.64307	2.75279	2.75272	2.73283	2.80278	2.74273	2.72281	2.86285	2.78283	2.59280	2.70275	2.75266	2.75266	2.58254





E1(XY plane) –  $\Theta(90)\Phi(0-360)$   
 E2(XZ plane) –  $\Theta(0-180)\Phi(0)$  and  $\Theta(0-180)\Phi(180)$   
 E3(YZ plane) –  $\Theta(0-180)\Phi(90)$  and  $\Theta(0-180)\Phi(270)$







Antenna Pattern\_5GHz UNII-2C~3, 6GHz(Radio 2)

Appendix F

Total Gain Data

Table with columns for Frequency, Azimuth, and Total Gain for various antenna models and frequencies (5.6GHz to 6.95GHz). The table contains multiple rows of gain data for each frequency and azimuth combination.





Antenna Pattern\_5GHz UNII-2C~3, 6GHz(Radio 2)

Appendix F

Main data table with 33 columns and 100 rows. Columns include Azimuth (Theta), Elevation (Phi), and Gain for various antenna configurations. The table contains numerical values for gain in dBS, with some cells containing red text like '7.257 14'.





Antenna Pattern\_5GHz UNII-2C~3, 6GHz(Radio 2)

Appendix F

Table with columns for Frequency (Freq), Azimuth (Theta), and Elevation (Phi) for various antenna configurations. It includes gain values for 30, 45, 60, 75, 90, 105, 120, 135, 150, 165, 180, and 195 degrees.





E1(XY plane) –  $\Theta(90)\Phi(0-360)$   
 E2(XZ plane) –  $\Theta(0-180)\Phi(0)$  and  $\Theta(0-180)\Phi(180)$   
 E3(YZ plane) –  $\Theta(0-180)\Phi(90)$  and  $\Theta(0-180)\Phi(270)$

