





Radiated Composite Gain of 2.4GHz and 5GHz UNII 1~3

Appendix A

Table with columns for frequency (MHz), gain (dBi), and various antenna configurations (Theta and Phi angles). The table lists gain values for various combinations of these parameters across a range of frequencies from 5.785 GHz to 5.855 GHz.



Freq(Hz)	6.175G	6.475G
Ant. 1 Max Gain (dBi)	1.72	1.94
Ant. 2 Max Gain (dBi)	1.68	1.96
Ant. 3 Max Gain (dBi)	2.77	2.37
Ant. 4 Max Gain (dBi)	2.08	1.77
Ant. 1 Polarization/ $\theta$ (°)/ $\phi$ (°)	Phi/82.5/187.5	Phi/97.5/157.5
Ant. 2 Polarization/ $\theta$ (°)/ $\phi$ (°)	Phi/165/127.5	Theta/157.5/217.5
Ant. 3 Polarization/ $\theta$ (°)/ $\phi$ (°)	Theta/135/262.5	Theta/135/262.5
Ant. 4 Polarization/ $\theta$ (°)/ $\phi$ (°)	Theta/60/172.5	Theta/37.5/180
Max Gain (dBi)	2.77	2.37
DG [1SS] (dBi)	4.13	4.12
DG [2SS] (dBi)	2.77	2.37
DG [4SS] (dBi)	2.77	2.37







Radiated Composite Gain of 6GHz UNII 5~6

Appendix B

Table with multiple columns representing frequency bands and gain values. Columns include labels like Gain, Theta (Ant. 2), and various frequency ranges from 6.175 to 6.475 GHz.



Radiated Composite Gain of 6GHz UNII 5~6

Appendix B

Table with columns for frequency (Freq(Hz)), antenna gain (Gain), and theta (Theta) for various combinations of frequencies and antenna types. The table contains numerical data for each parameter.



Radiated Composite Gain of 6GHz UNII 5~6

Appendix B

Table with columns for frequency (MHz), gain (dBi), and various polarization/tilt angles (Theta/Phi) ranging from 0 to 180 degrees. Each cell contains numerical gain values.





Freq(Hz)	6.695G	6.995G
Ant. 1 Max Gain (dBi)	2.27	1.82
Ant. 2 Max Gain (dBi)	1.52	1.7
Ant. 3 Max Gain (dBi)	3.71	3.4
Ant. 4 Max Gain (dBi)	2.11	2.23
Ant. 1 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Phi/75/180	Theta/112.5/217.5
Ant. 2 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/60/345	Theta/97.5/270
Ant. 3 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/135/262.5	Theta/135/262.5
Ant. 4 Polarization/ $\theta(^{\circ})/\phi(^{\circ})$	Theta/37.5/157.5	Theta/37.5/172.5
Max Gain (dBi)	3.71	3.4
DG [1SS] (dBi)	4.23	4.84
DG [2SS] (dBi)	3.71	3.4
DG [4SS] (dBi)	3.71	3.4



# Radiated Composite Gain of 6GHz UNII 7~8

# Appendix C

## DG 1SS Result

Freq(Hz)	6.695GPol.	Phi0	Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi		Phi	
DG(dB)	Phi(°)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(7.5)	-4.54/3.79	-3.46/2.77	-2.3/2.27	-2.67/3.54	-4.07/4.4	-4.79/4.98	-5.04/5.44	-5.35/4.35	-3.9/3.88	-4.51/4.57	-4.17/3.81	-3.66/3.14	-2.6/2.37	-2.33/2.4	-2.71/2.55	-2.78/3.24	-3.44/3.27	-3.19/3.77	-4.22/3.61	-3.7/3.78	-4.19/4.44	-4.88/5.33	-6.13/4.98	-5.36/5.61														







