

An aerial view of a city at night, with a network of white lines and dots overlaid on the scene, suggesting a global or digital network. The city lights are visible, and a bright sun or light source is in the center, creating a lens flare effect. A teal and blue gradient banner is positioned across the middle of the image.

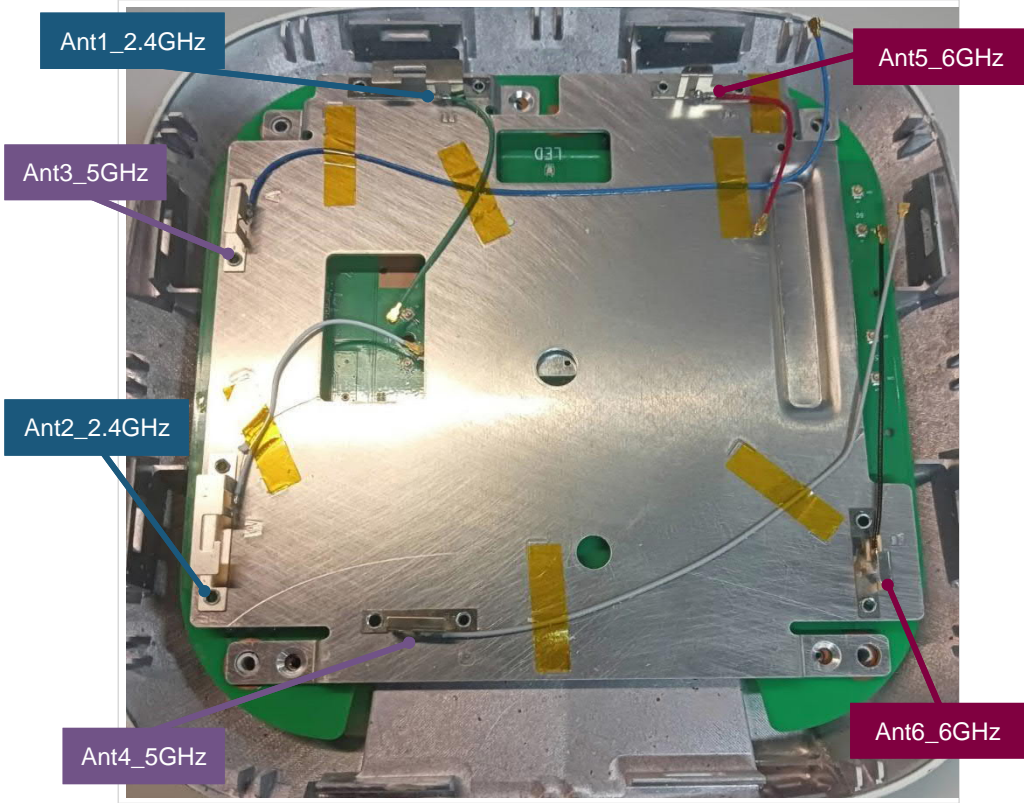
Airgain®))

DAP-X5480



Airgain Antenna System Proposal

Antenna System Proposal



Antenna #	Part Number
Ant1_2.4GHz	M01CMAEA
Ant2_2.4GHz	M01CMAEA
Ant3_5GHz	M02CMAEB
Ant4_5GHz	M02CMAEB
Ant5_6GHz	M06CMAEC
Ant6_6GHz	M06CMAEC

Antenna Efficiency (%) – 2.4G 5G & 6GHz Wi-Fi Antennas



Frequency (MHz)	Ant1_2G4 (%)	Ant2_2G4 (%)	Frequency (MHz)	Ant3_5G (%)	Ant4_5G (%)	Frequency (MHz)	Ant5_6G (%)	Ant6_6G (%)
2400	68.3	61.3	5150	66.1	70.2	5925	73.9	72.6
2410	68.7	64.6	5200	69.7	73.5	6000	76.7	74.9
2420	68.0	66.1	5300	68.4	71.2	6100	73.8	73.2
2430	67.8	67.4	5400	69.7	72.5	6200	75.0	74.9
2440	67.3	68.8	5500	69.0	73.0	6300	72.9	72.6
2450	66.9	69.2	5600	69.1	72.8	6400	73.1	72.9
2460	66.9	70.3	5700	68.1	71.6	6500	71.8	71.8
2470	67.1	71.5	5800	70.0	73.5	6600	73.6	72.2
2480	67.2	71.5	5850	68.4	72.5	6700	73.0	69.7
2490	66.5	70.6	Average	68.7	72.3	6800	75.4	72.4
Average	67.5	68.1				6900	72.8	70.9
						7125	72.5	71.3
						Average	73.7	72.5

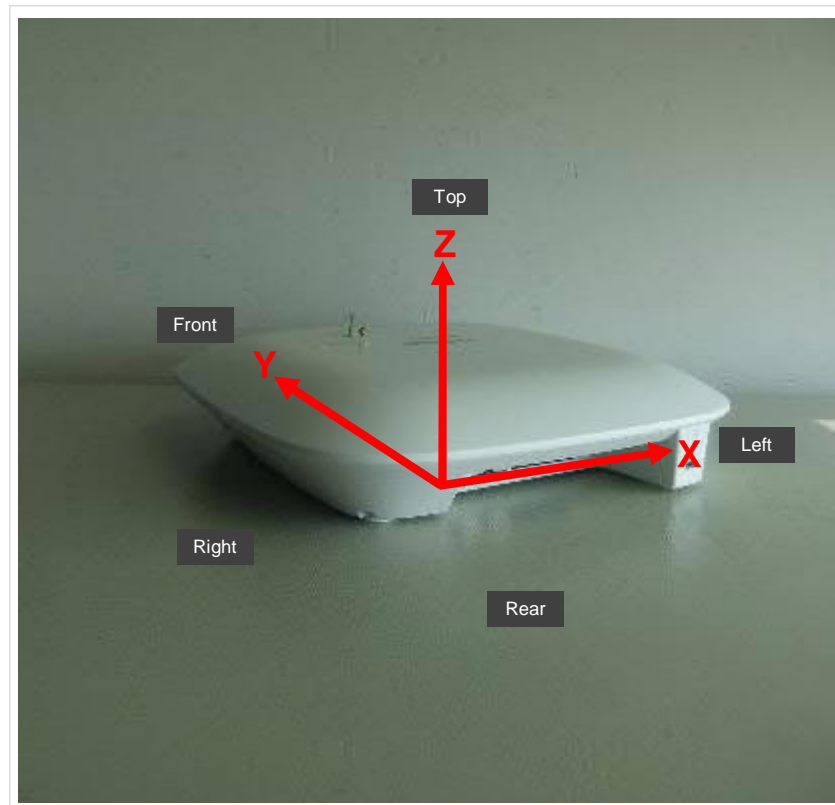
Antenna Peak Gain – 2.4G 5G & 6GHz Wi-Fi Antennas



Frequency (MHz)	Ant1_2G4 (dBi)	Ant2_2G4 (dBi)	Frequency (MHz)	Ant3_5G (dBi)	Ant4_5G (dBi)	Frequency (MHz)	Ant5_6G (dBi)	Ant6_6G (dBi)
2400	3.2	2.3	5150	4.2	4.3	5925	4.5	4.4
2410	3.2	2.4	5200	4.6	4.5	6000	5.2	4.7
2420	3.2	2.5	5300	4.9	4.3	6100	5.3	4.5
2430	3.2	2.5	5400	4.6	4.5	6200	5.0	4.7
2440	3.1	2.5	5500	4.4	4.9	6300	5.2	4.8
2450	3.0	2.4	5600	4.2	4.8	6400	5.1	4.4
2460	3.0	2.4	5700	5.0	5.2	6500	4.2	4.2
2470	3.1	2.7	5800	5.2	5.3	6600	5.0	4.6
2480	3.1	2.8	5850	5.2	5.2	6700	4.9	4.9
2490	3.2	2.9				6800	5.1	4.9
						6900	5.0	5.2
						7125	5.3	4.9

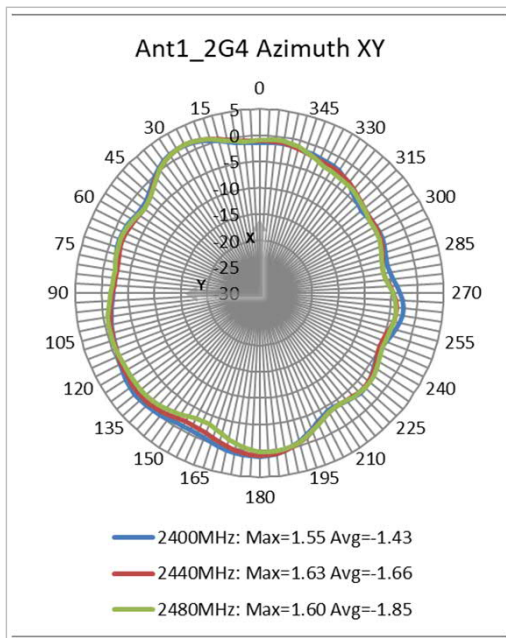
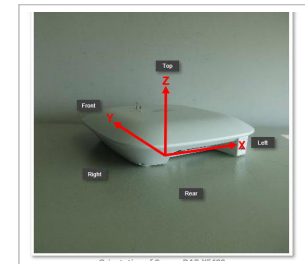
Radiation Patterns

Coordinate System for Radiation Pattern Visualization

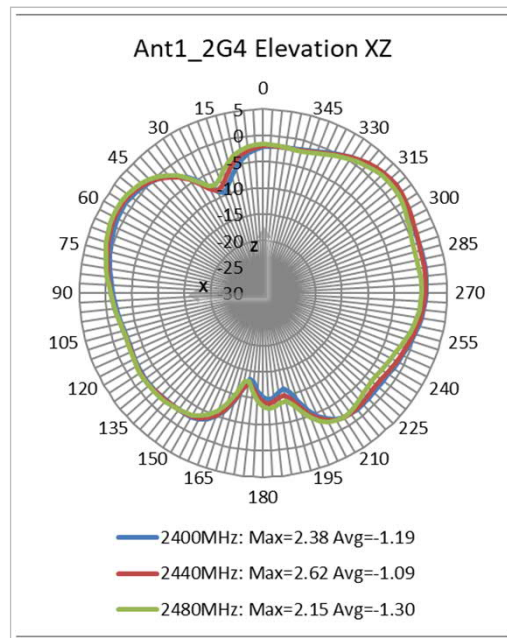


Orientation of Cameo DAP-X5480

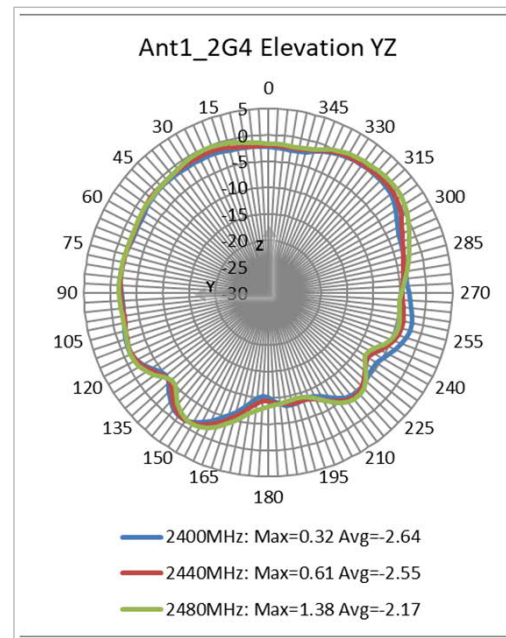
Total Gain Patterns: Ant1_2G4



Azimuth (XY)

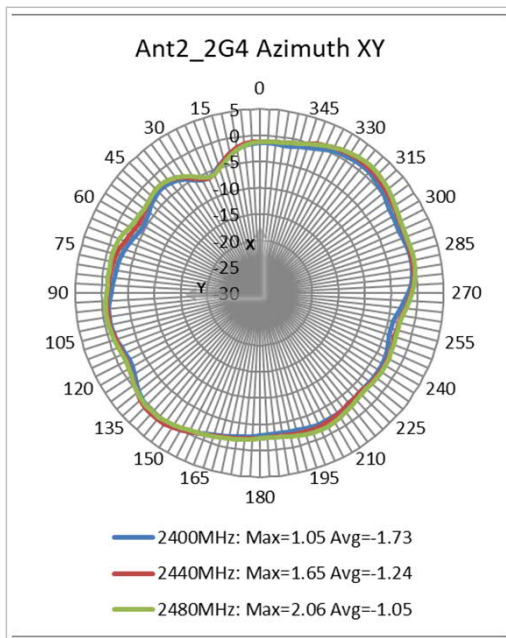
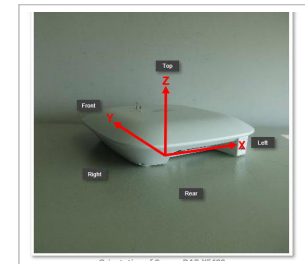


Side to Side (XZ)

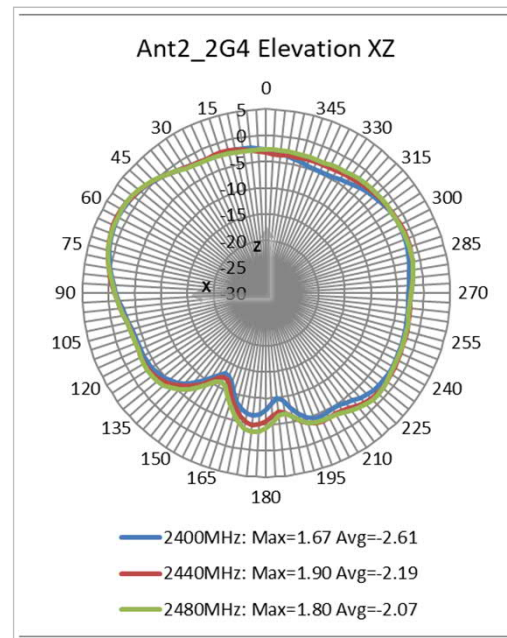


Front to Back (YZ)

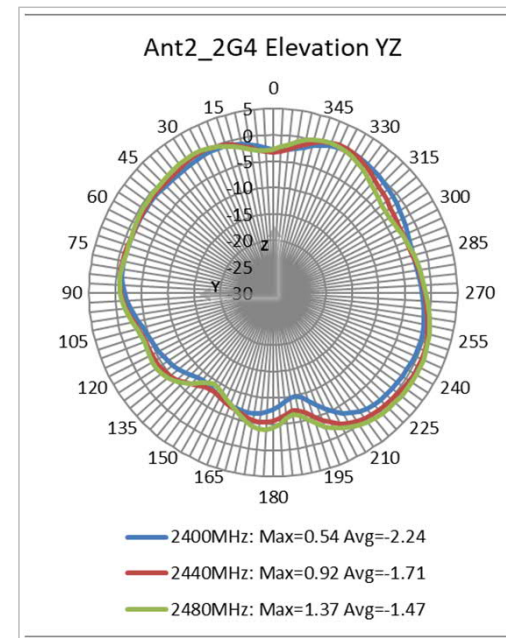
Total Gain Patterns: Ant2_2G4



Azimuth (XY)

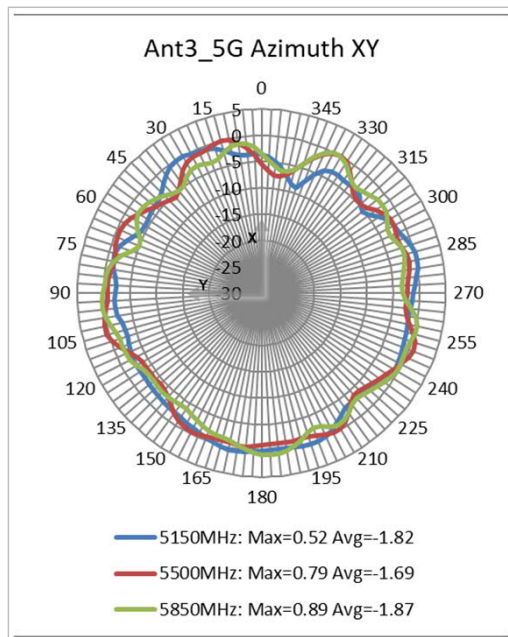
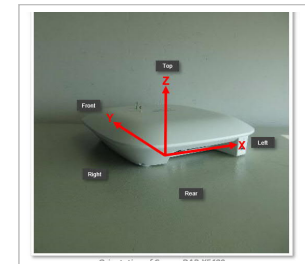


Side to Side (XZ)

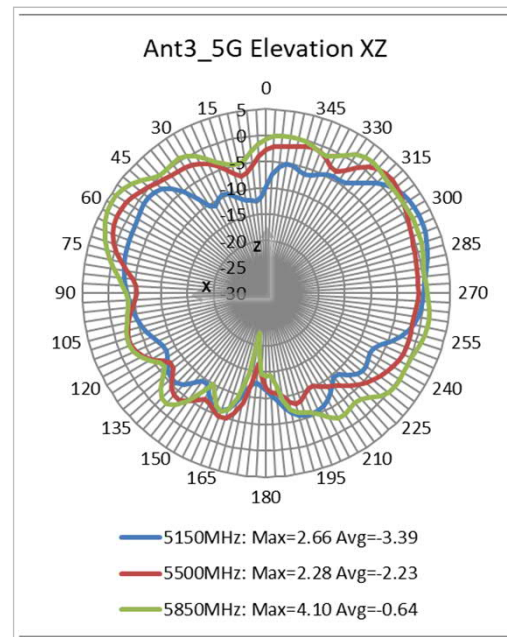


Front to Back (YZ)

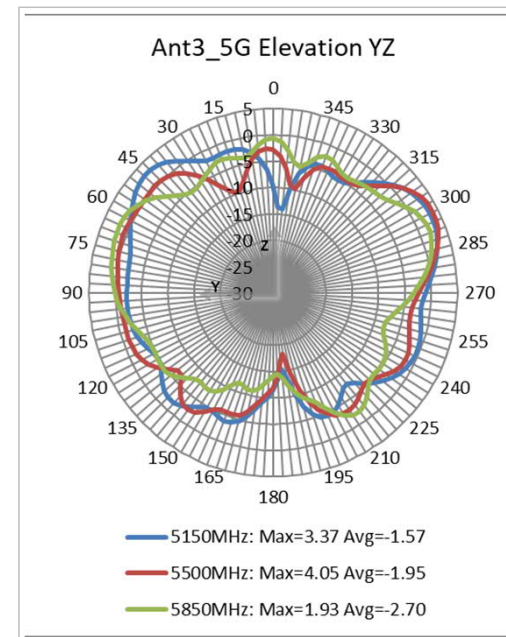
Total Gain Patterns: Ant3_5G



Azimuth (XY)

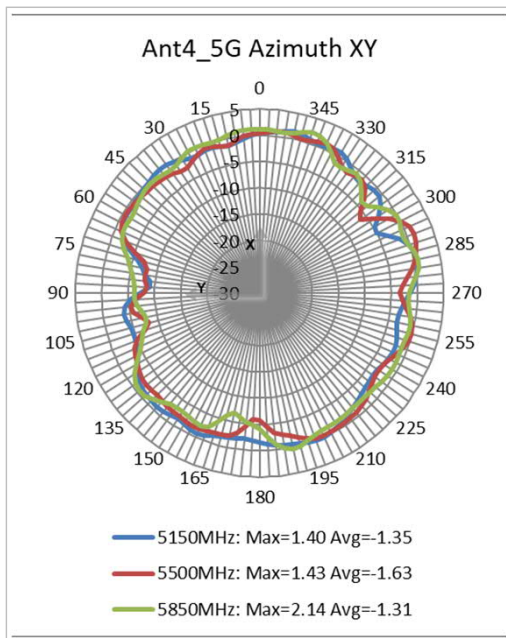
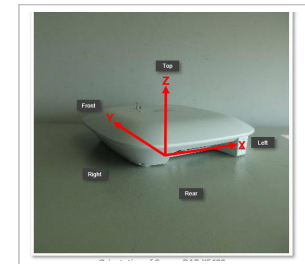


Side to Side (XZ)

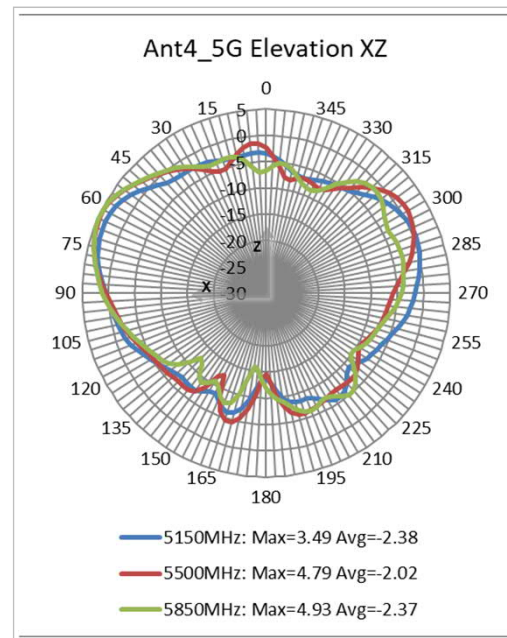


Front to Back (YZ)

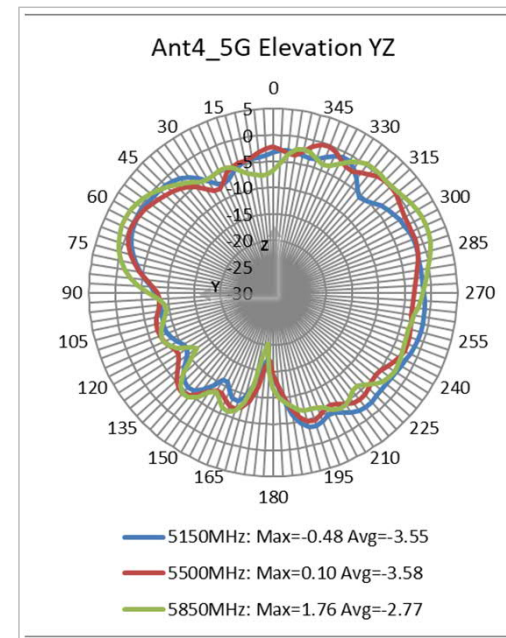
Total Gain Patterns: Ant4_5G



Azimuth (XY)

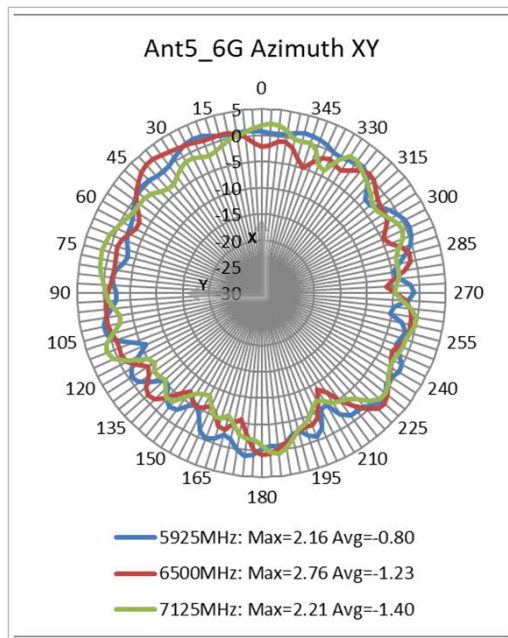


Side to Side (XZ)

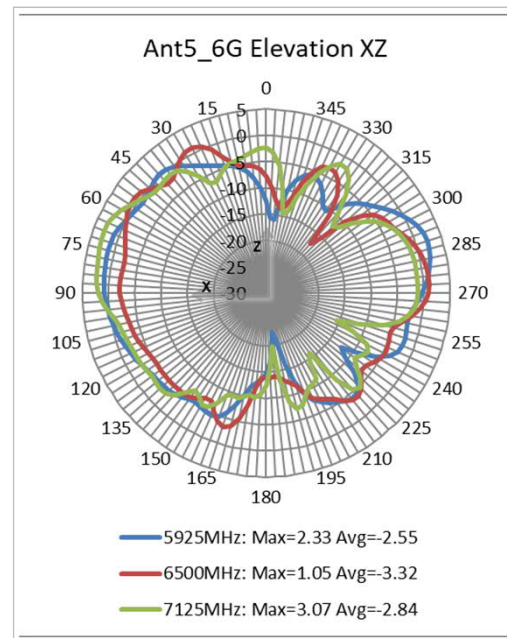


Front to Back (YZ)

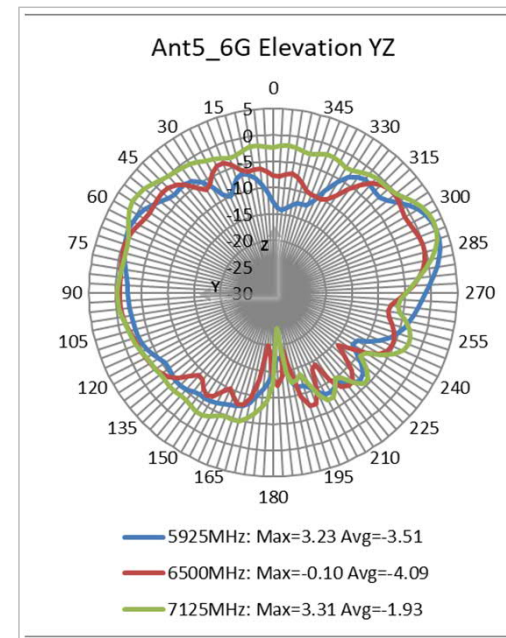
Total Gain Patterns: Ant5_6G



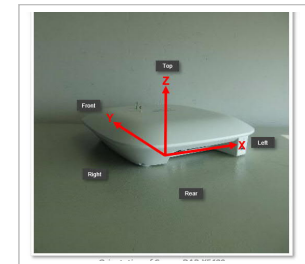
Azimuth (XY)



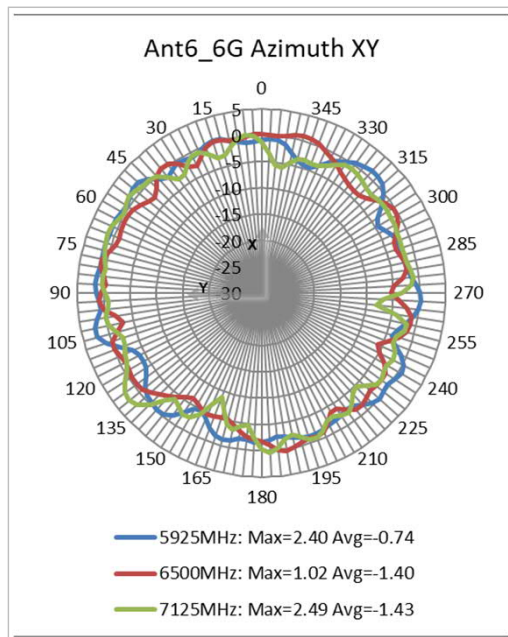
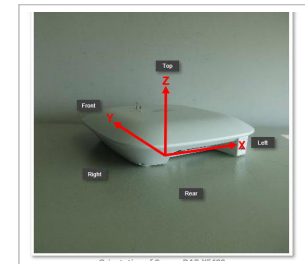
Side to Side (XZ)



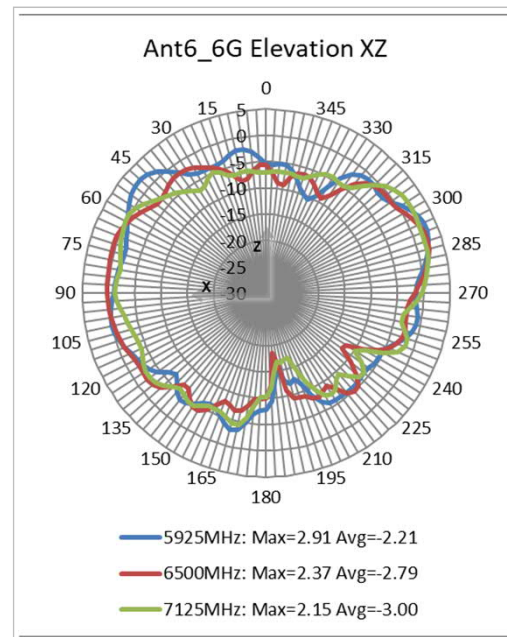
Front to Back (YZ)



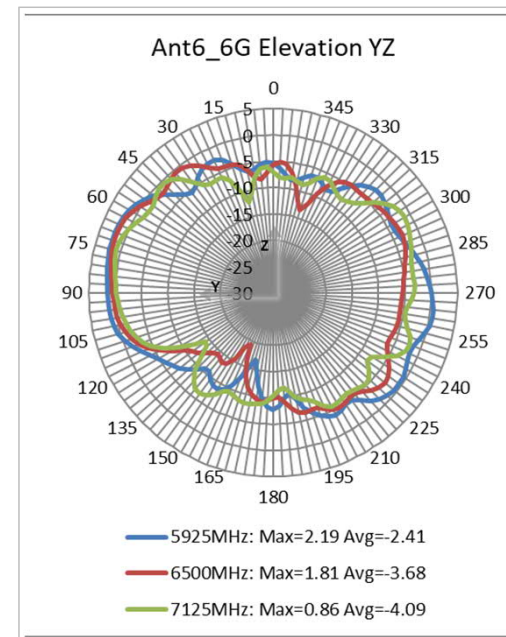
Total Gain Patterns: Ant6_6G



Azimuth (XY)



Side to Side (XZ)



Front to Back (YZ)