



Wi-Fi 6E Antenna

AD-514AX

Specifications

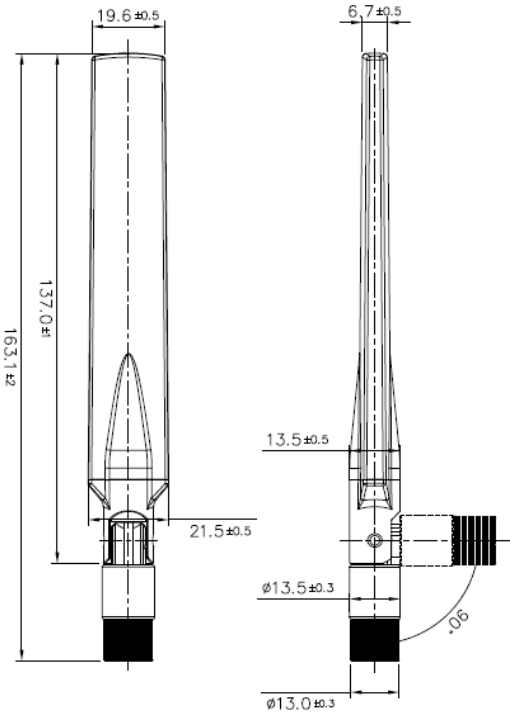
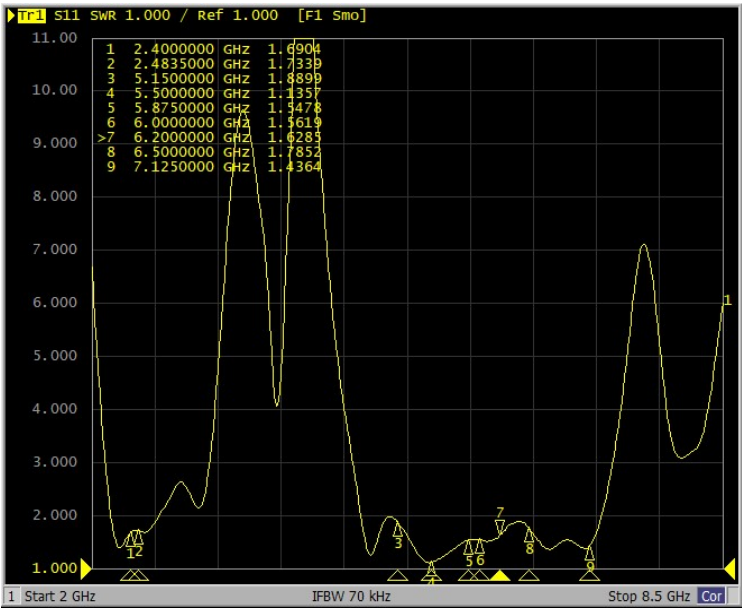
Frequency	2400-2500 MHz	5150-7125 MHz
Peak gain	3.1 dBi	4.2 dBi
Average gain	0.9 dBi	0.6 dBi
VSWR	2.5 : 1 Max.	2.5 : 1 Max.
Polarization	Linear, vertical	
Impedance	50 Ω	
Connector	RP SMA PLUG	

Environment & Mechanical Characteristics

Temperature	- 10°C to +55°C
Humidity	95% @ 25°C



VSWR

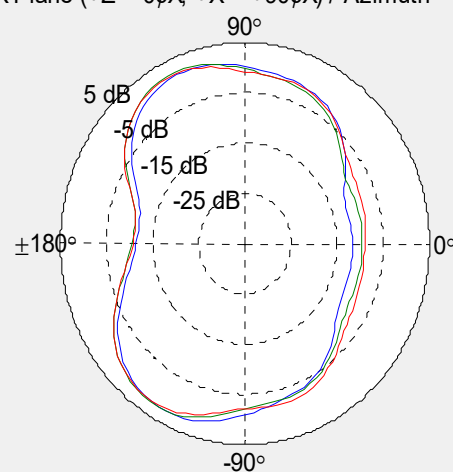
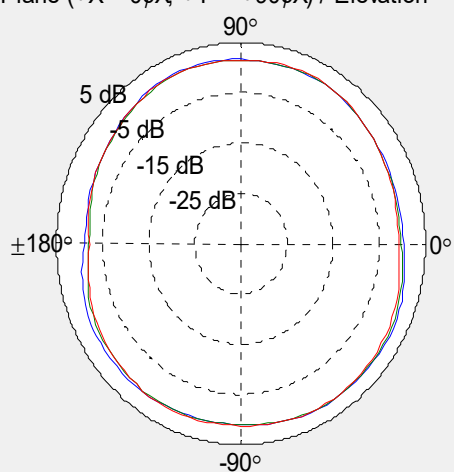
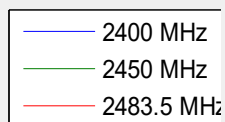


Radiation Pattern

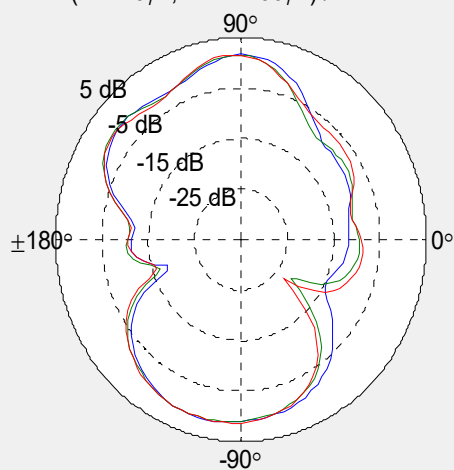
2G Band = 2400 - 2500 MHz % 2G BAND

XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X

ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X

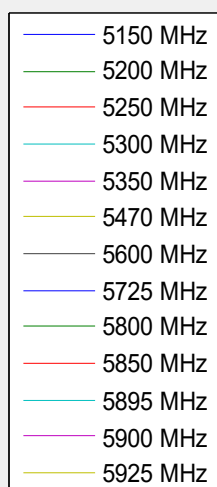


YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

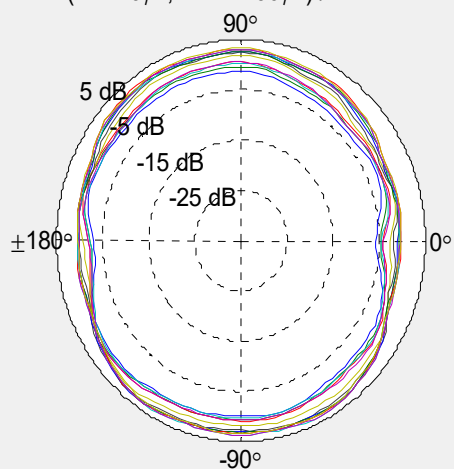


Radiation Pattern

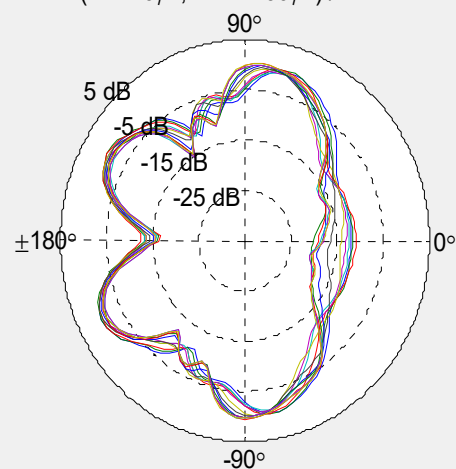
5G Band = 4900 - 5975 MHz



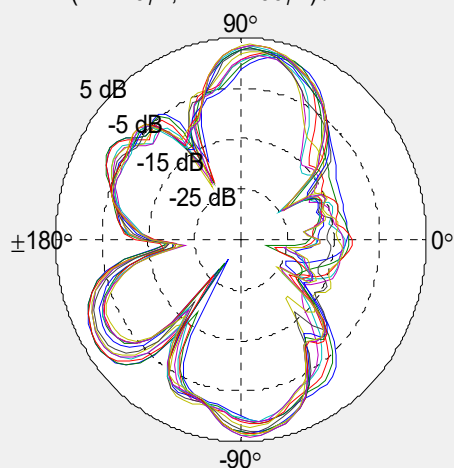
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0°X



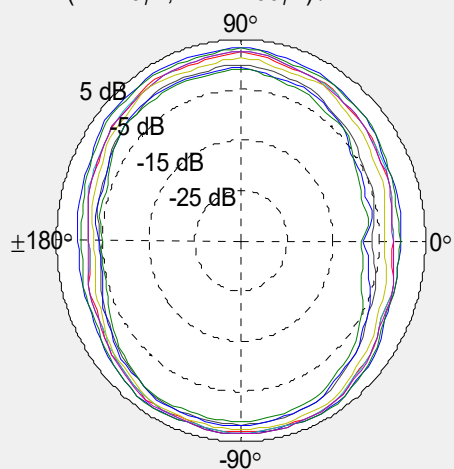
YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X



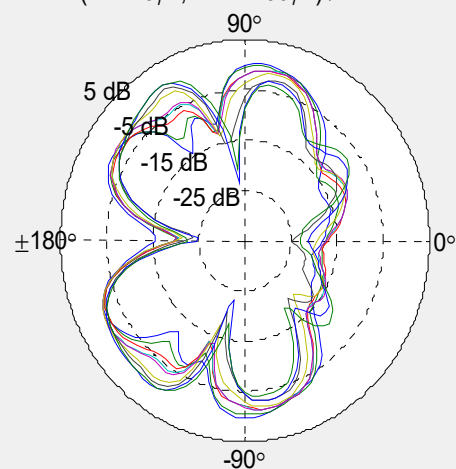
Radiation Pattern

6G Band-2 = 5925 - 8500 MHz

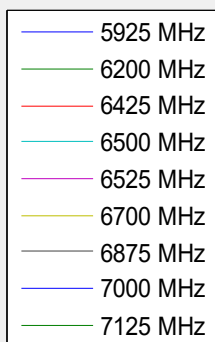
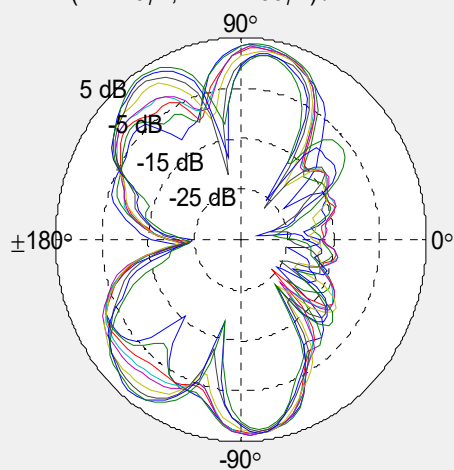
XY Plane ($+X = 0^\circ$, $+Y = +90^\circ$) / Elevation = 90°



ZX Plane ($+Z = 0^\circ$, $+X = +90^\circ$) / Azimuth = 0°



YZ Plane ($+Z = 0^\circ$, $+Y = +90^\circ$) / Azimuth = 90°



Gain Table

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400.00	69.07	-1.61	2.55
2450.00	67.87	-1.68	3.07
2483.50	68.44	-1.65	2.56
5150.00	45.66	-3.40	2.47
5200.00	46.07	-3.37	2.42
5250.00	44.52	-3.51	2.53
5300.00	41.25	-3.85	2.29
5350.00	41.11	-3.86	2.33
5470.00	46.49	-3.33	2.98
5600.00	49.85	-3.02	3.66
5725.00	52.64	-2.79	3.82
5800.00	51.97	-2.84	3.85
5850.00	49.87	-3.02	3.99
5895.00	47.81	-3.20	4.17
5900.00	48.27	-3.16	4.11
5925.00	48.17	-3.17	3.75
6200.00	49.15	-3.09	3.84
6425.00	50.02	-3.01	3.26
6500.00	47.99	-3.19	3.47
6525.00	49.98	-3.01	3.72
6700.00	50.48	-2.97	3.47
6875.00	46.03	-3.37	2.99
7000.00	50.56	-2.96	3.75
7125.00	48.98	-3.10	3.89