



Wi-Fi 6E Antenna

AD-515AX

Specifications

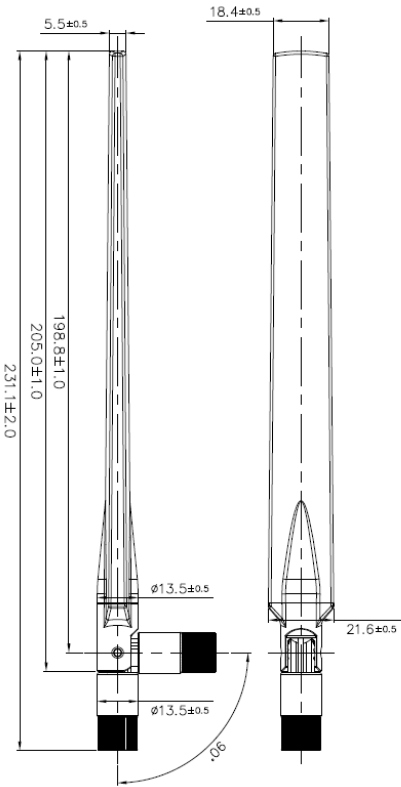
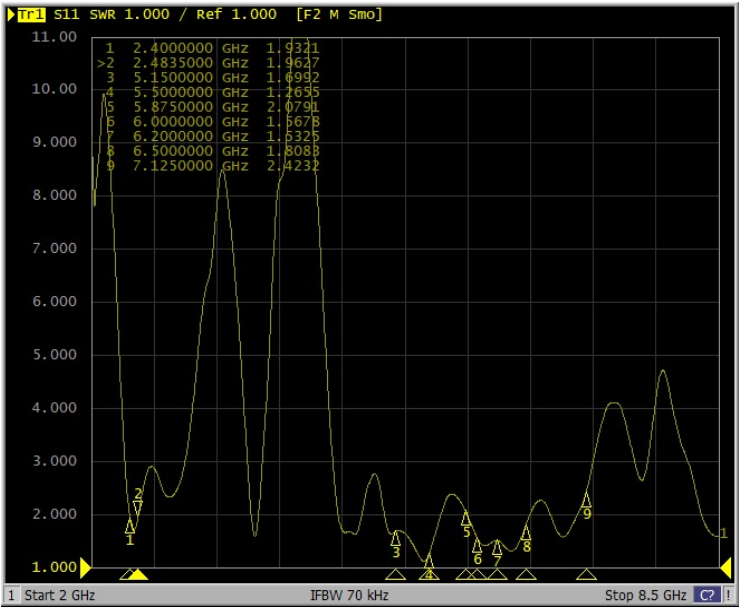
Frequency	2400-2500 MHz	5150-7125 MHz
Peak gain	5.96 dBi	6.34 dBi
Average gain	-1.59 dBi	-3.23 dBi
VSWR	2.5 : 1 Max.	3.0 : 1 Max.
Polarization	Linear, vertical	
Impedance	50 Ω	
Connector	RP SMA PLUG	

Environment & Mechanical Characteristics

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



VSWR

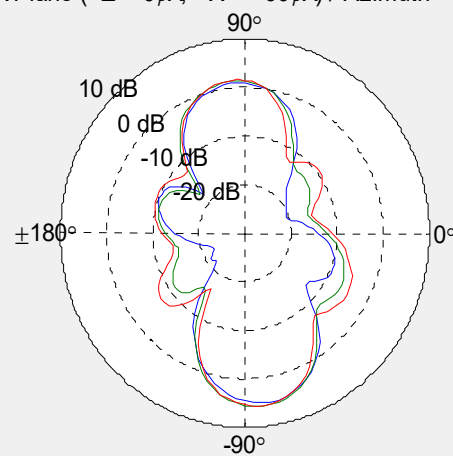
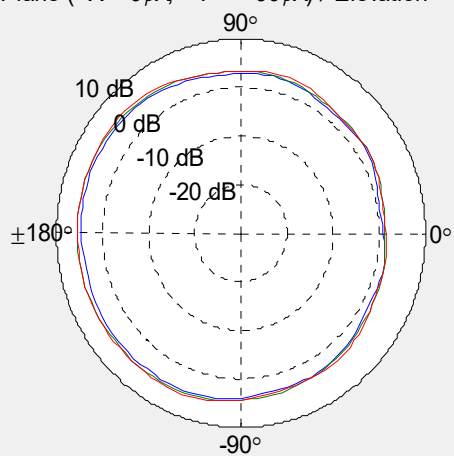
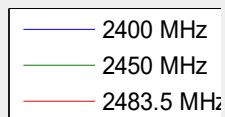


Radiation Pattern

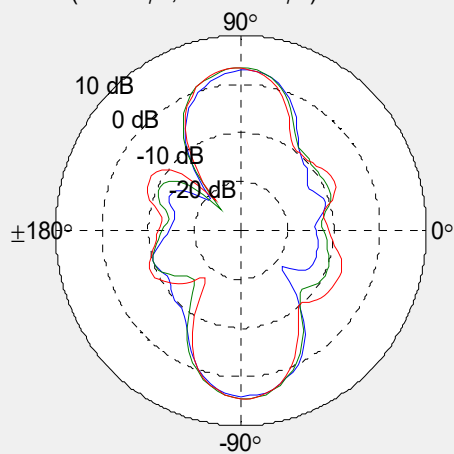
SUB6G-H2-1 = 2300 - 2496 MHz

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

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

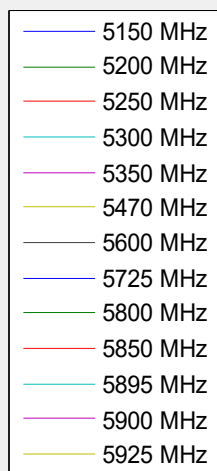


YZ Plane (+Z = 0°X, +Y = +90°X) / Azimuth = 90°X

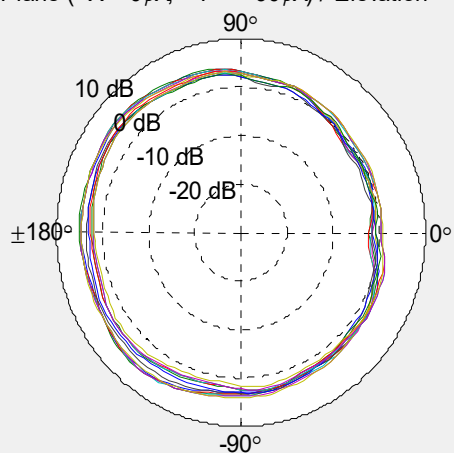


Radiation Pattern

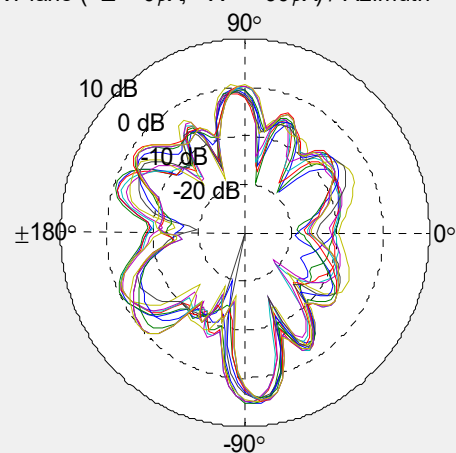
5G Band = 4900 - 5975 MHz



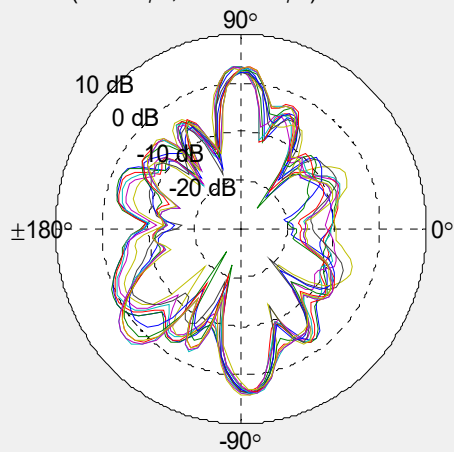
XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90°X



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



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

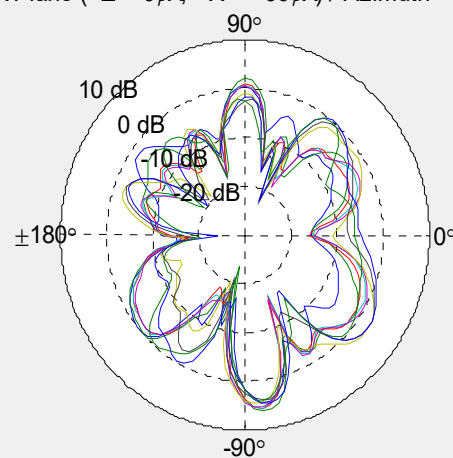
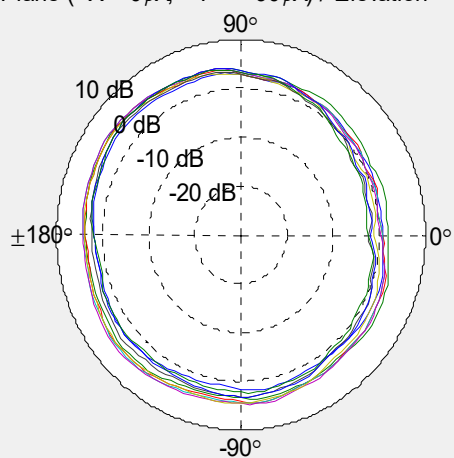
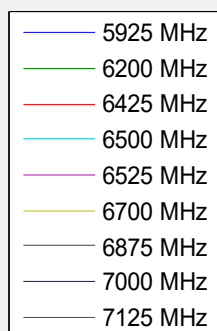


Radiation Pattern

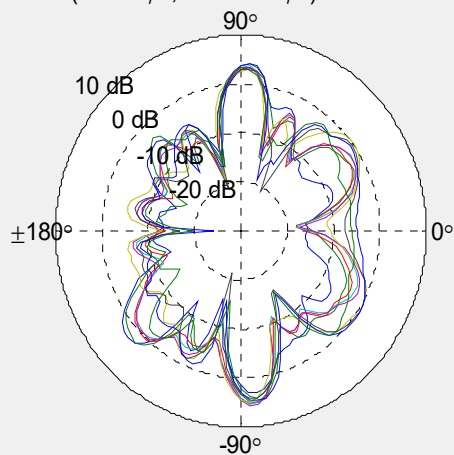
6G Band-2 = 5925 - 8500 MHz

XY Plane (+X = 0°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





Gain Table

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400.00	66.89	-1.75	5.25
2450.00	71.08	-1.48	5.96
2483.50	70.25	-1.53	5.95
5150.00	50.14	-3.00	6.21
5200.00	50.77	-2.94	6.24
5250.00	46.81	-3.30	5.88
5300.00	45.57	-3.41	5.82
5350.00	44.72	-3.50	5.66
5470.00	50.15	-3.00	5.60
5600.00	41.39	-3.83	5.20
5725.00	43.36	-3.63	5.15
5800.00	46.24	-3.35	5.32
5850.00	45.73	-3.40	5.76
5895.00	45.76	-3.40	5.88
5900.00	46.53	-3.32	5.50
5925.00	48.81	-3.11	5.45
6200.00	53.59	-2.71	6.34
6425.00	47.40	-3.24	5.94
6500.00	49.40	-3.06	5.82
6525.00	50.76	-2.94	6.01
6700.00	50.56	-2.96	5.47
6875.00	47.97	-3.19	5.29
7000.00	52.86	-2.77	5.61
7125.00	41.65	-3.80	5.59