

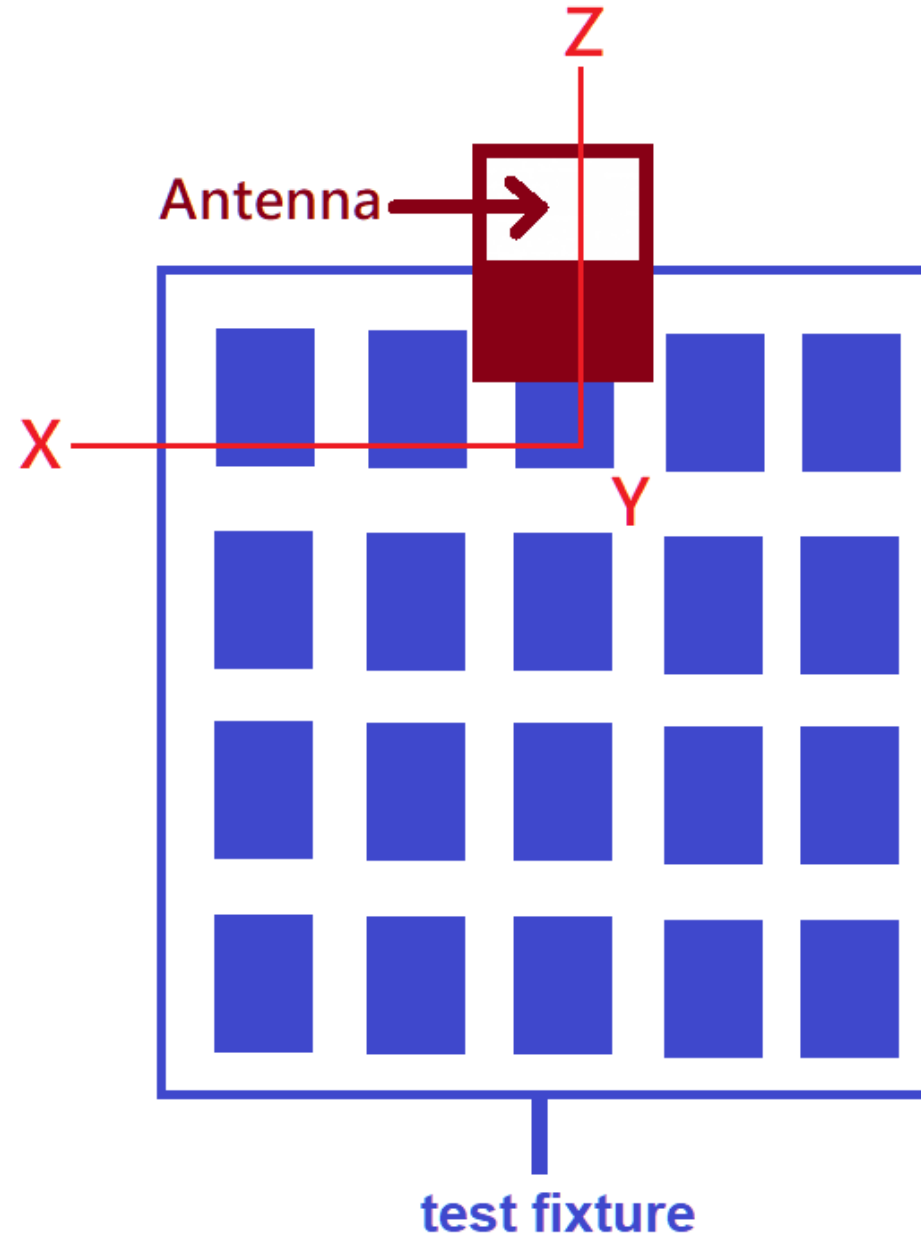
Antenna Test Report_WiFi 6E Module

Model : AW-CU640

AzureWave Technologies, Inc.

10F., No.94 Baozhong Rd., Xindian Dist., New Taipei City, Taiwan 231

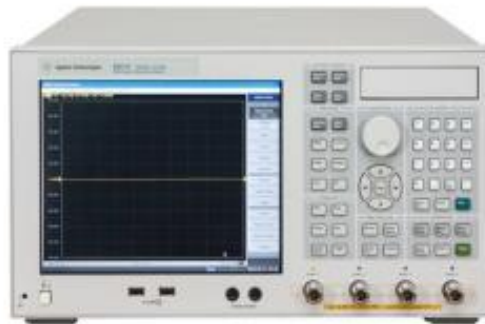
Antenna Overview



Test equipment



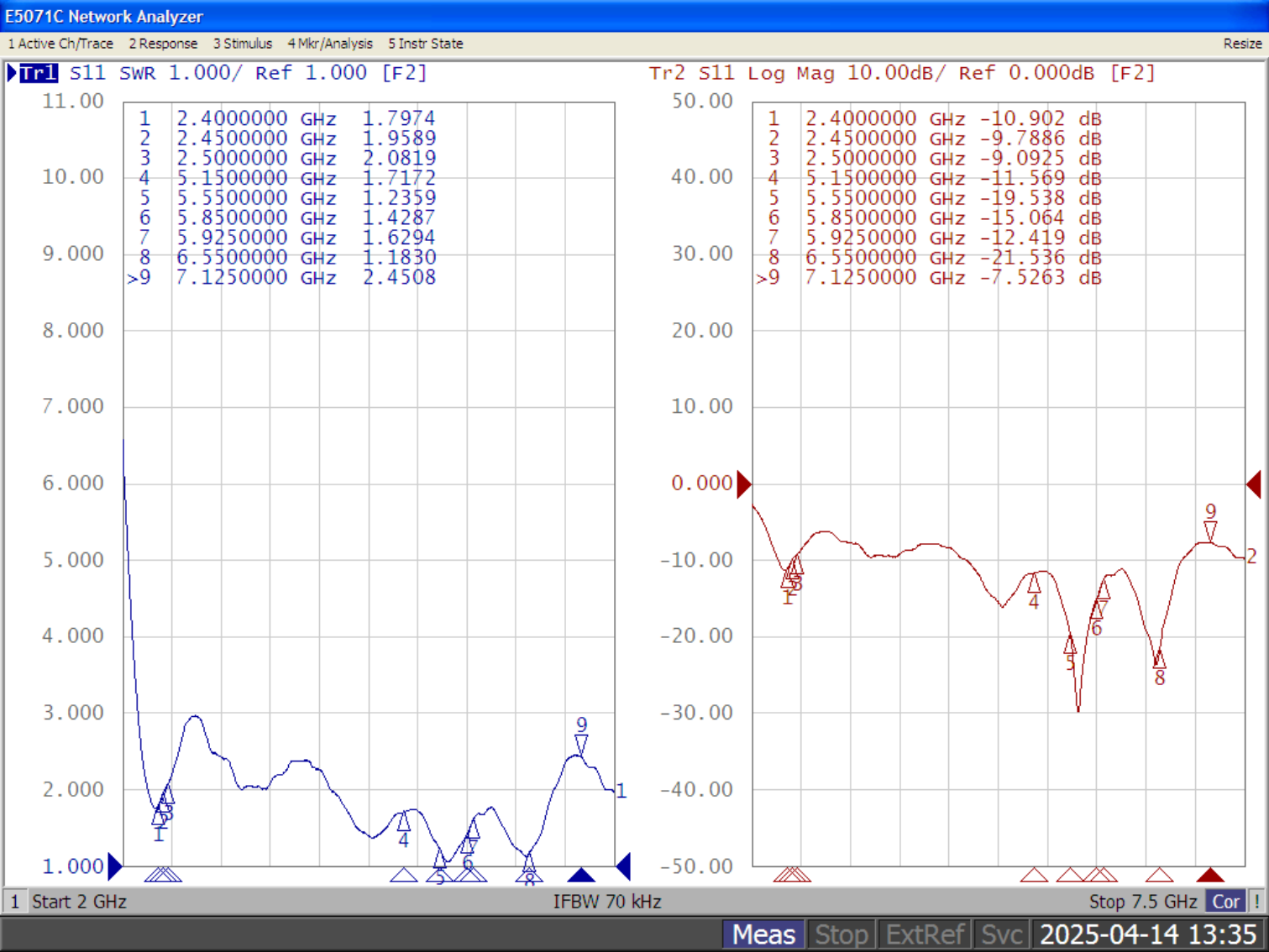
Agilent E5071C
100 kHz - 8.5 GHz
ENA Series Network Analyzer



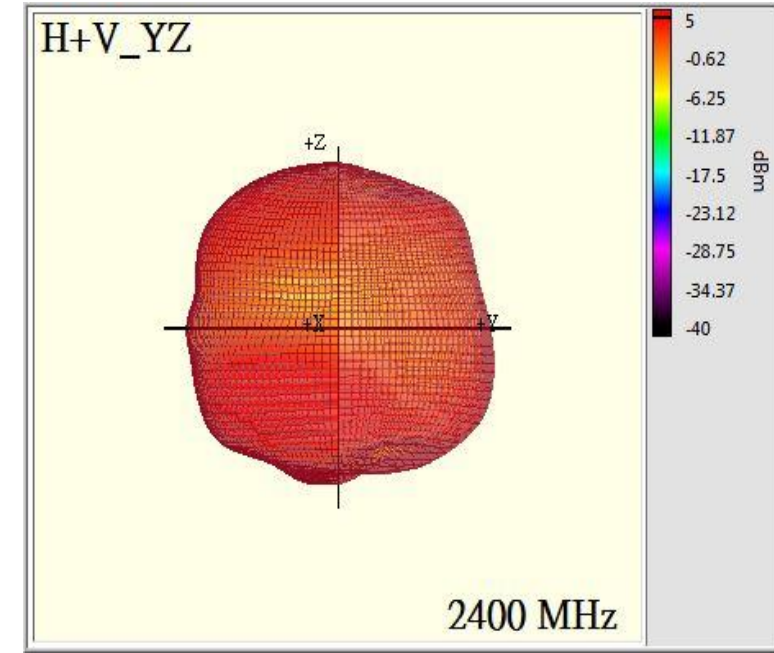
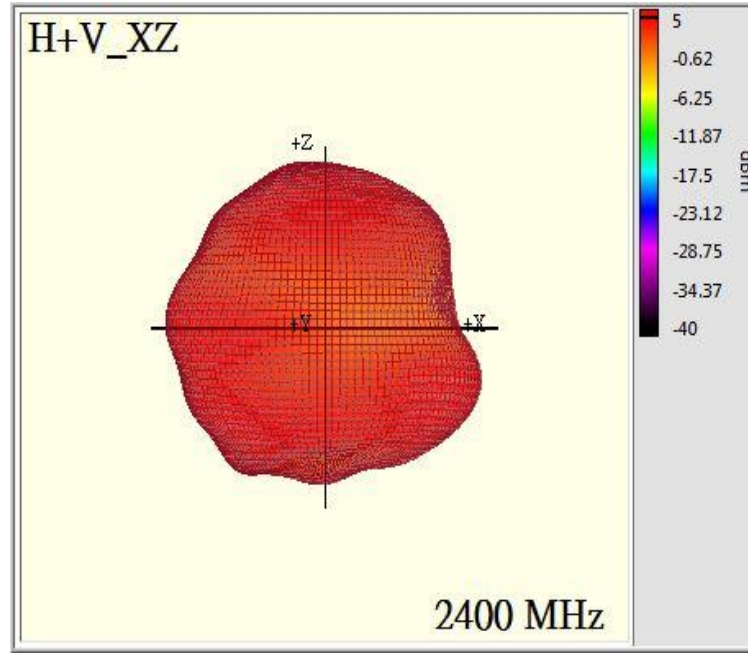
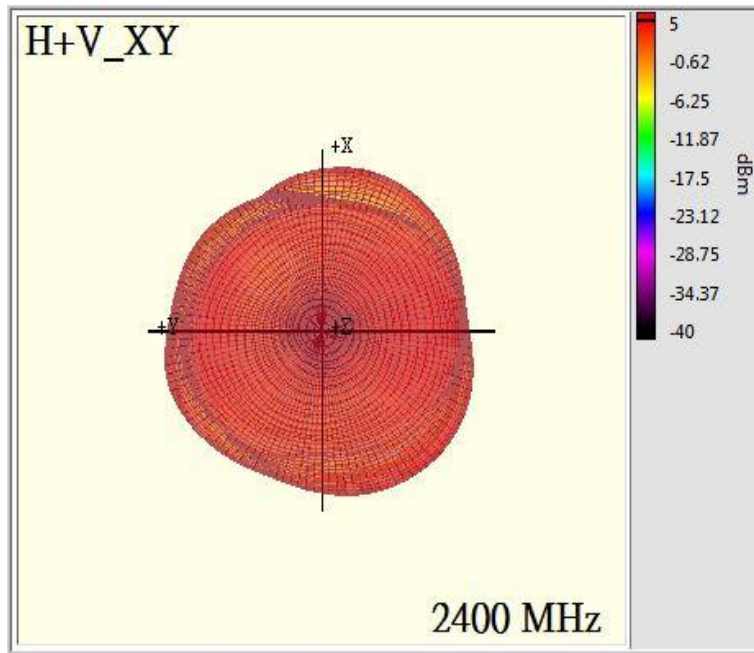
AMS-8500 Antenna Measurement System



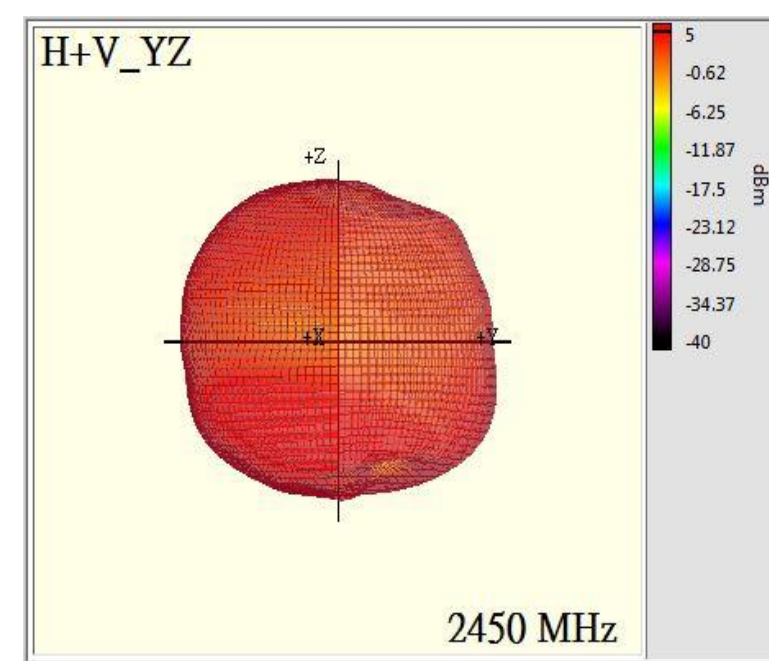
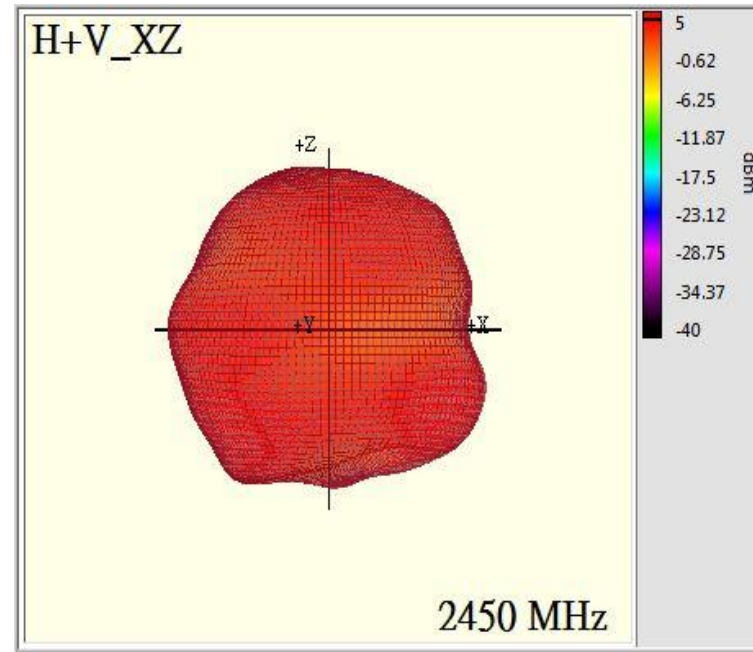
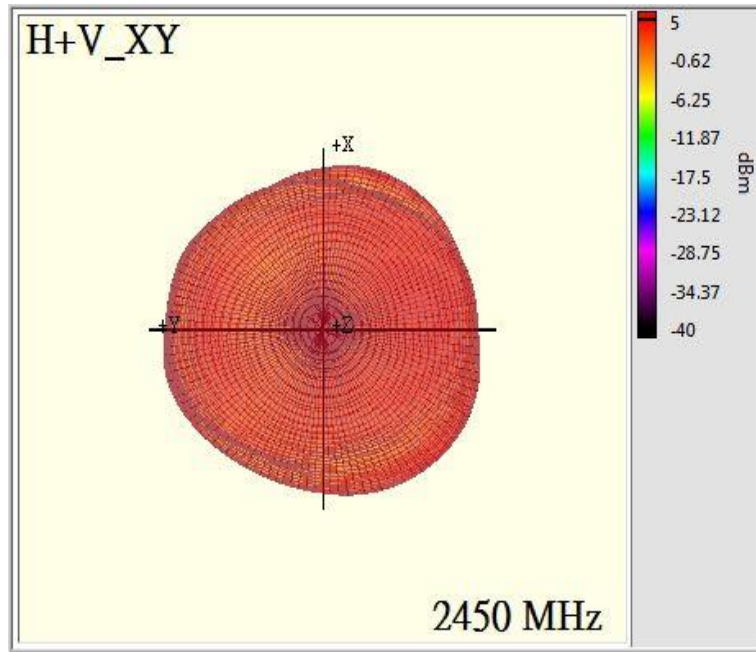
Return Loss



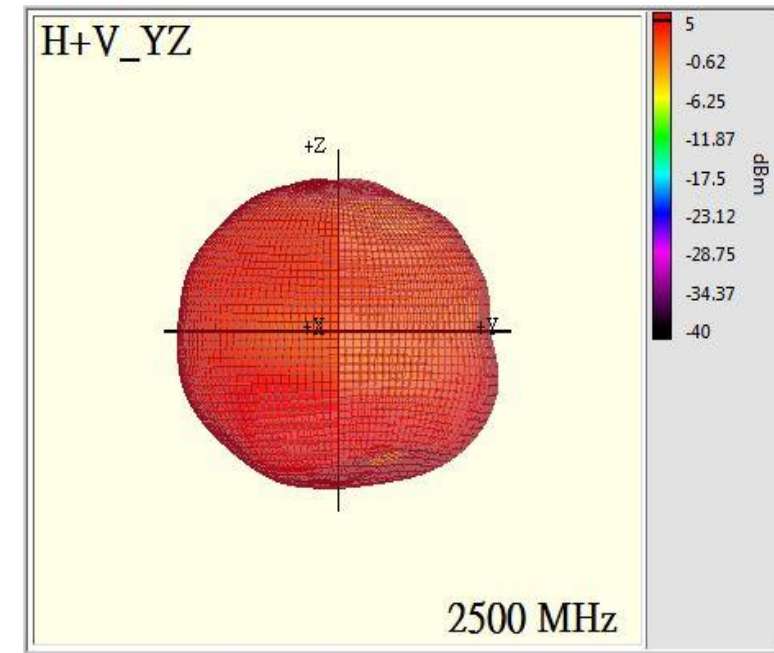
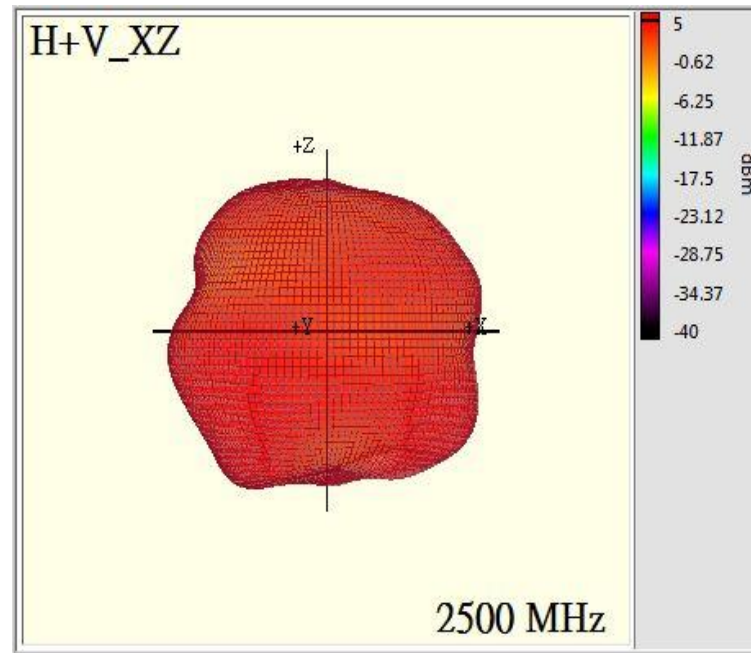
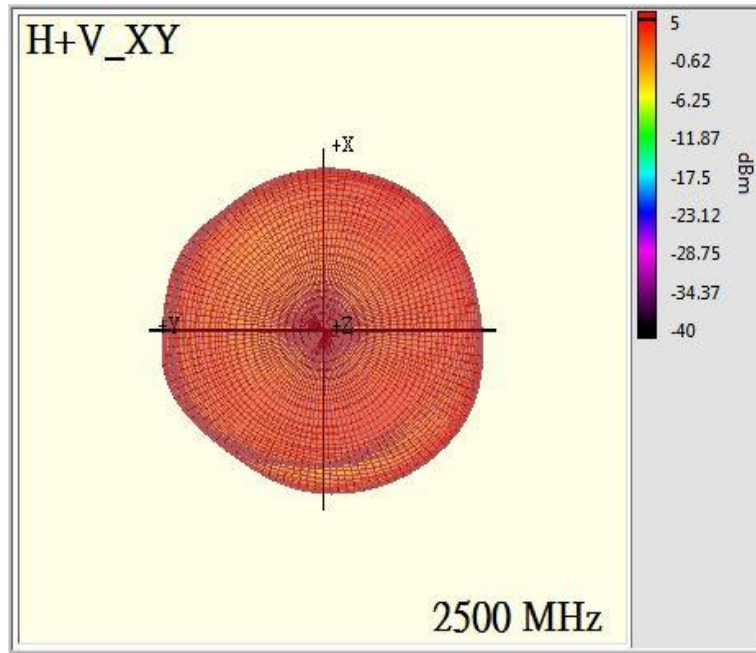
2.4/5G/6E_ANT GainTotal (dBi) 3D Pattern @ 2400MHz



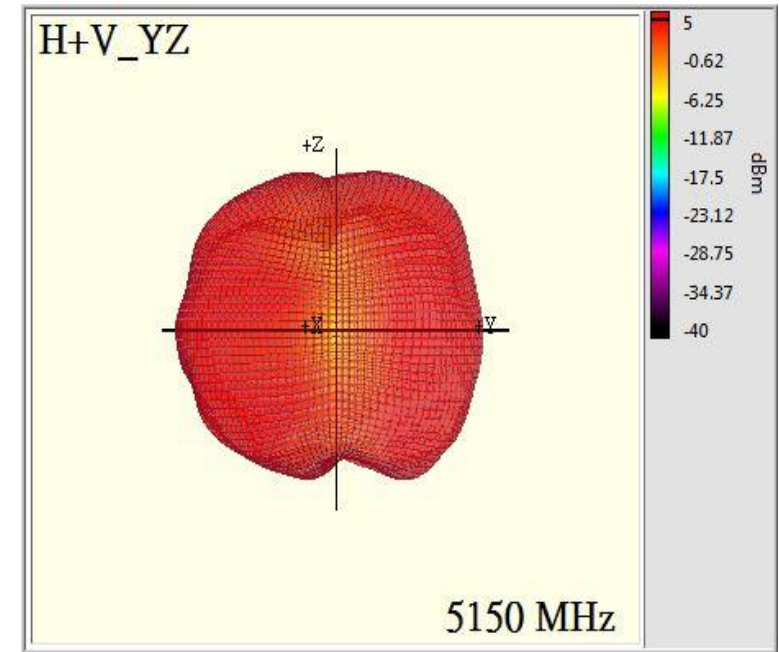
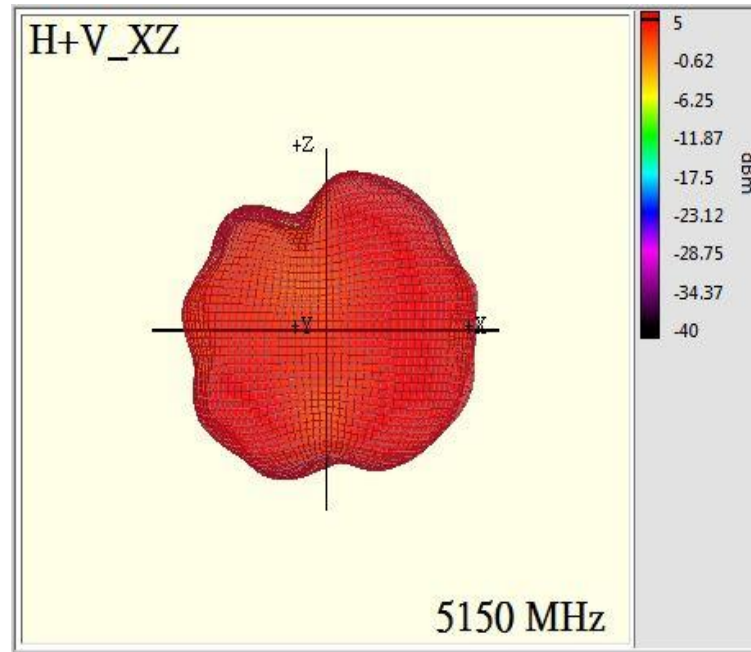
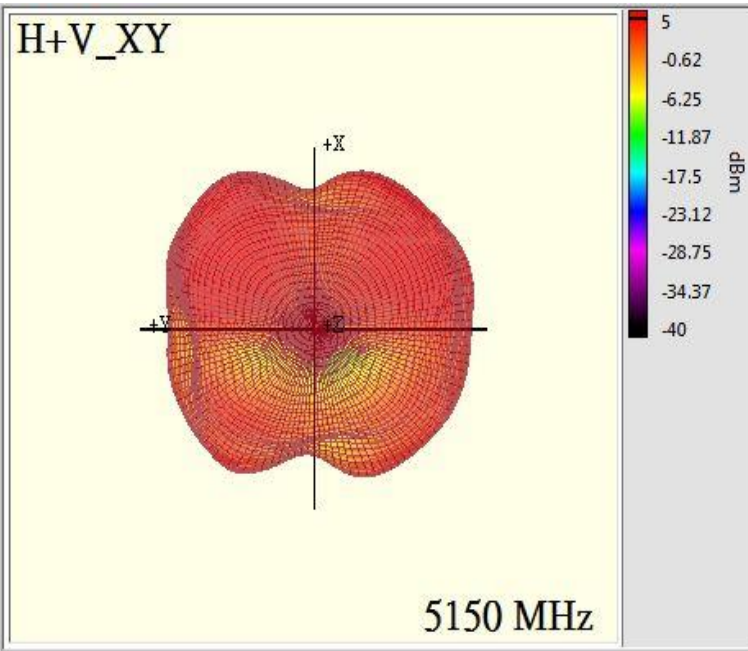
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 2450MHz



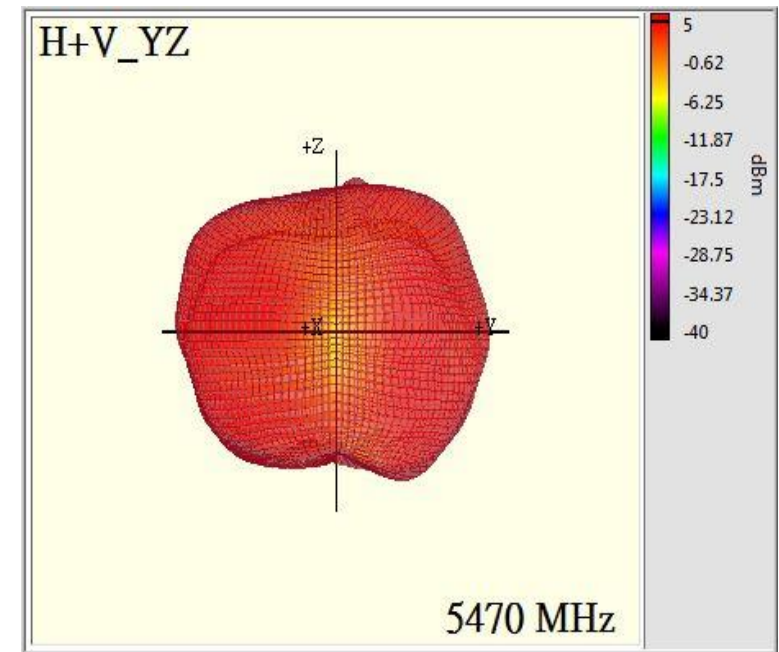
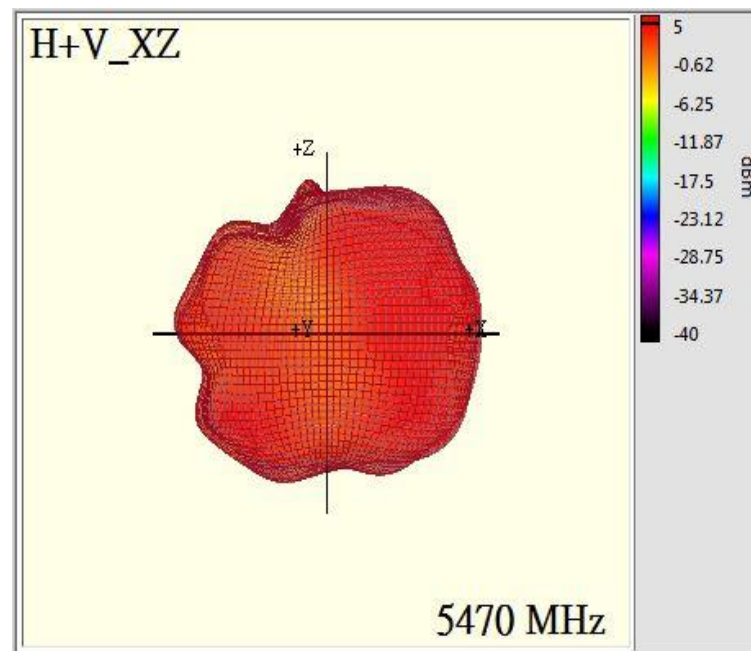
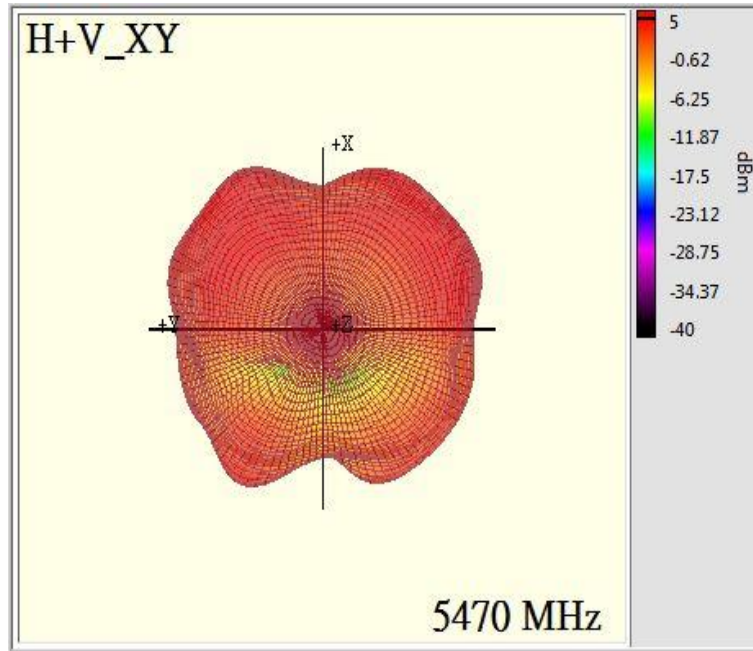
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 2500MHz



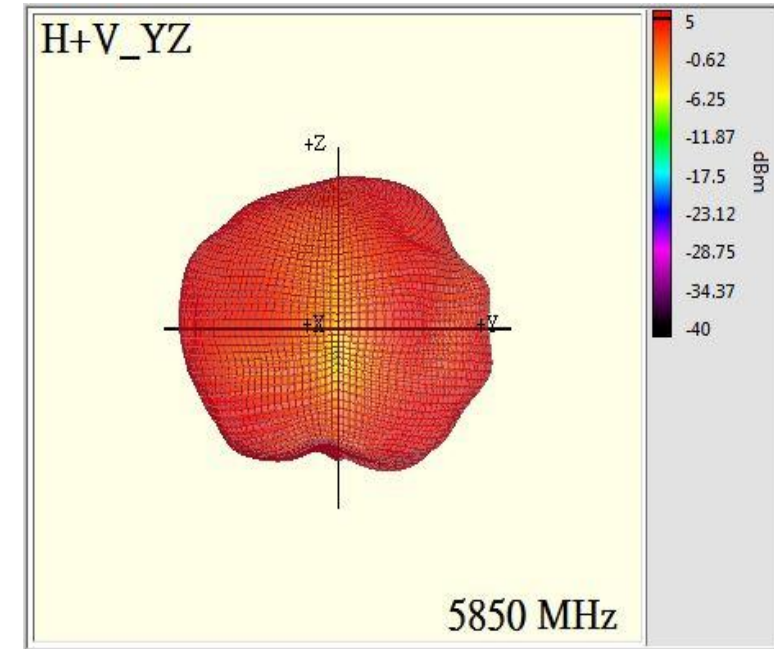
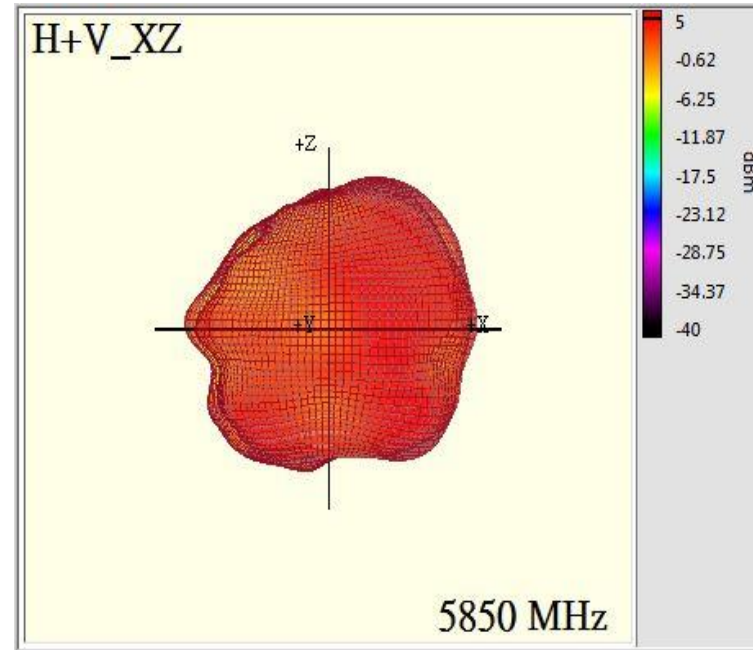
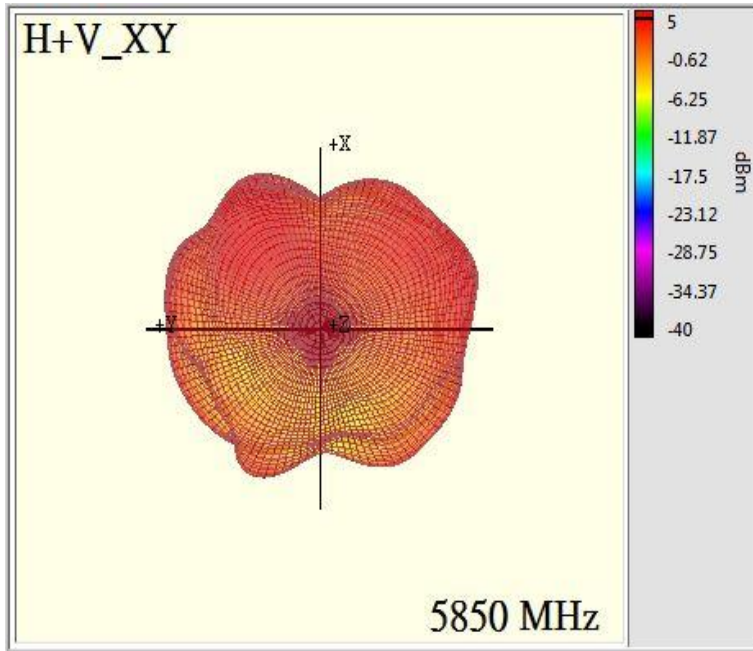
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 5150MHz



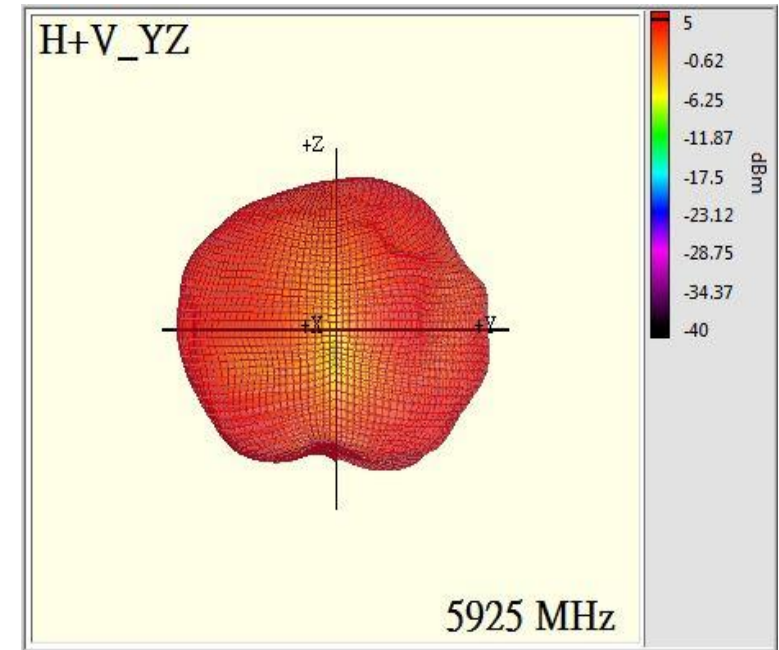
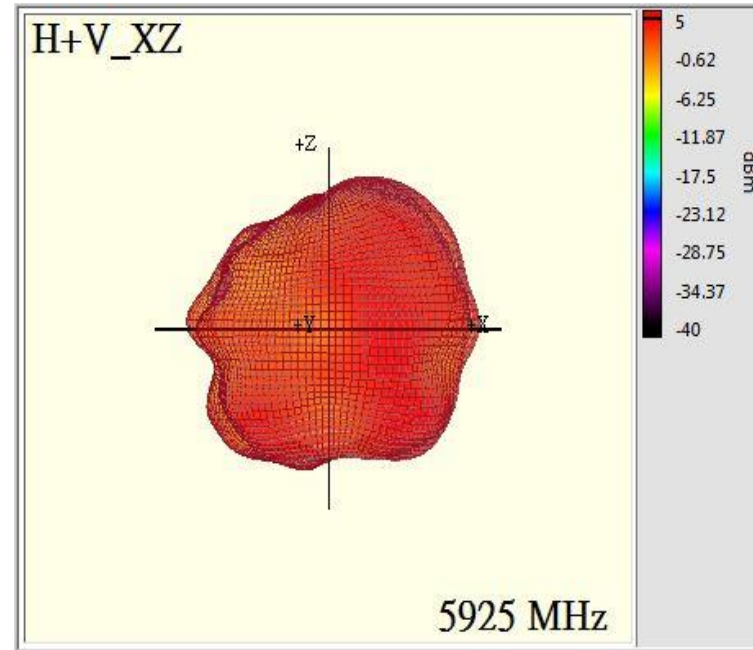
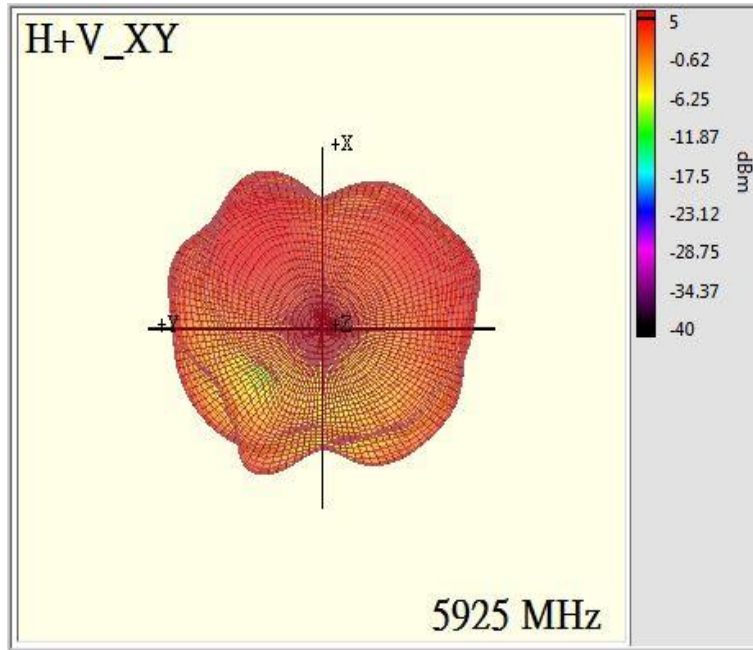
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 5470MHz



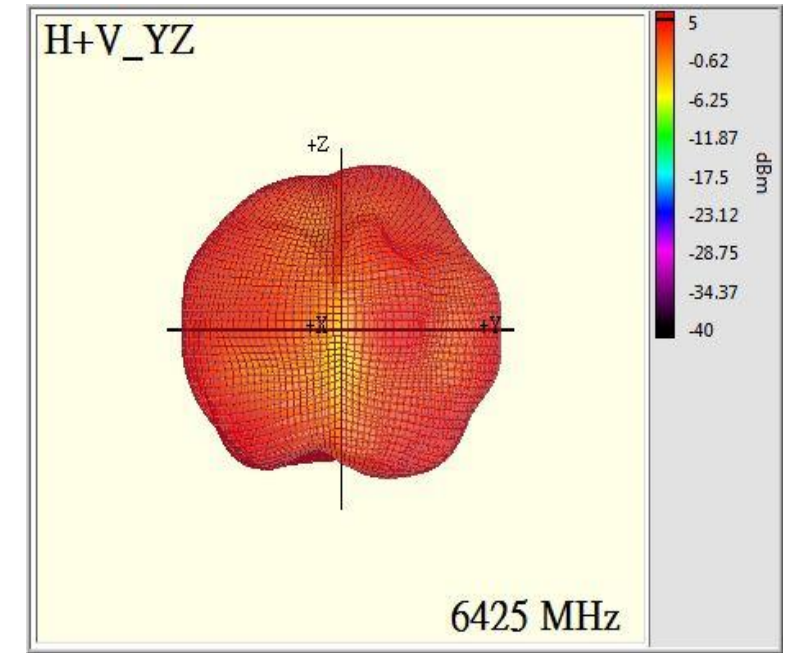
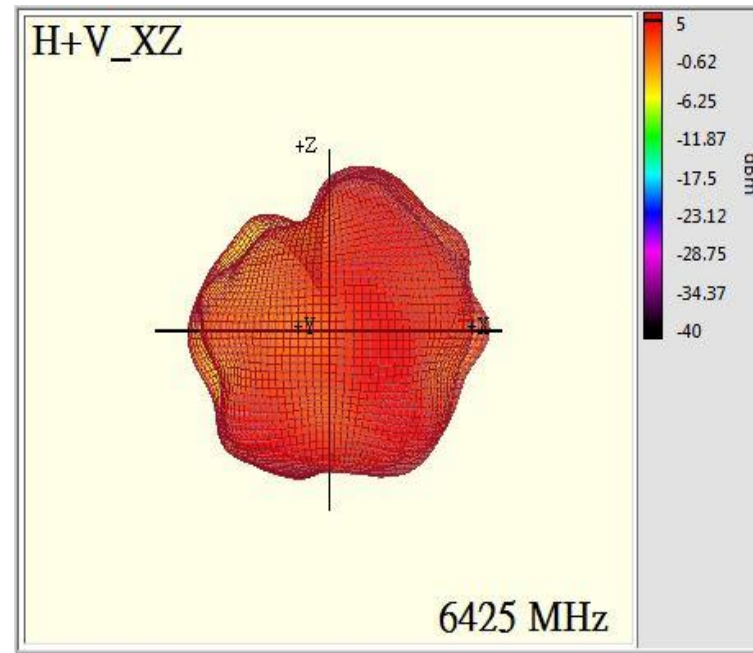
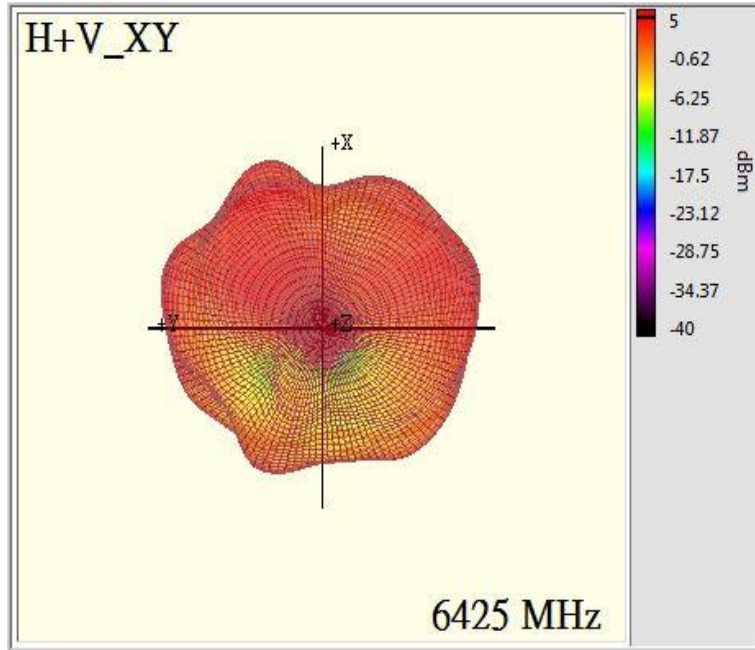
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 5850MHz



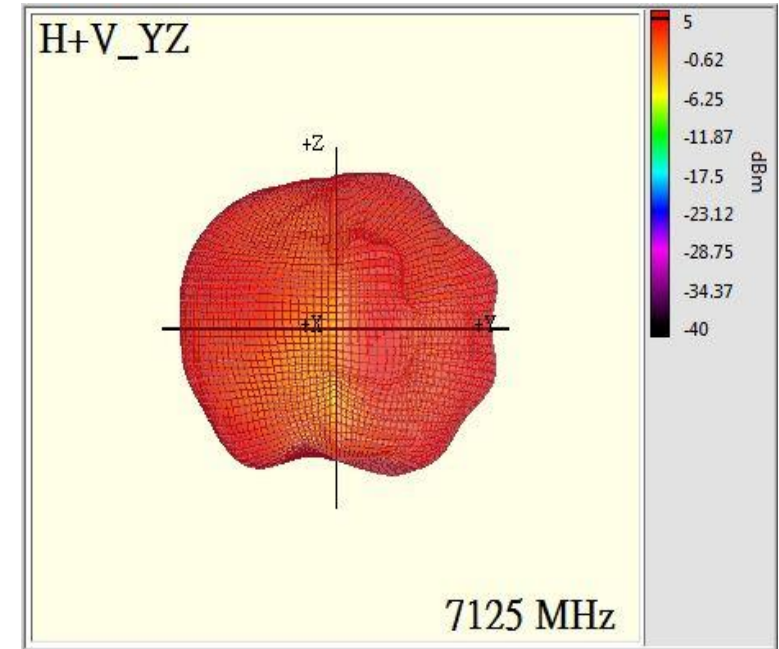
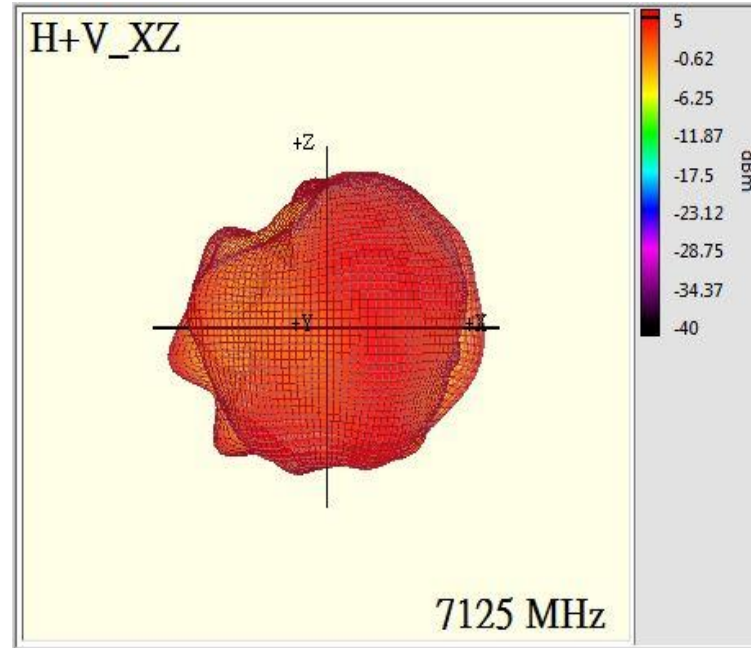
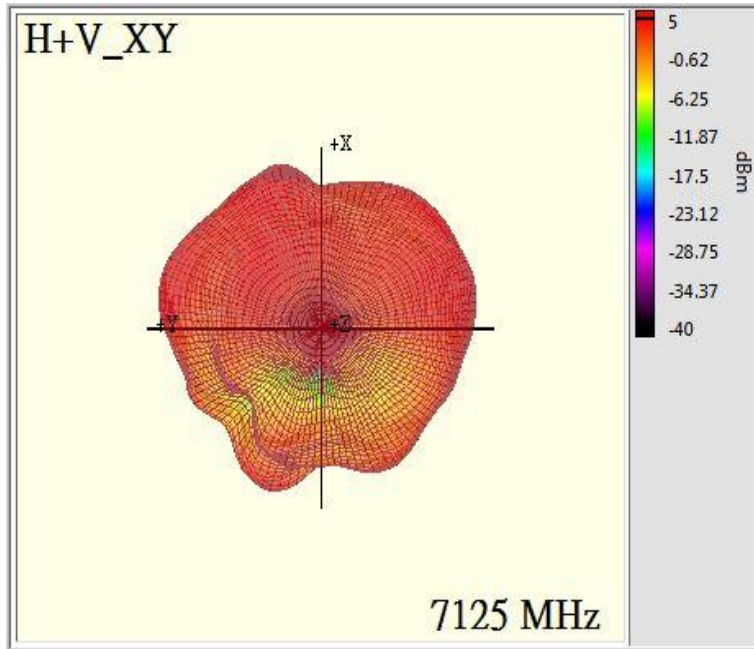
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 5925MHz



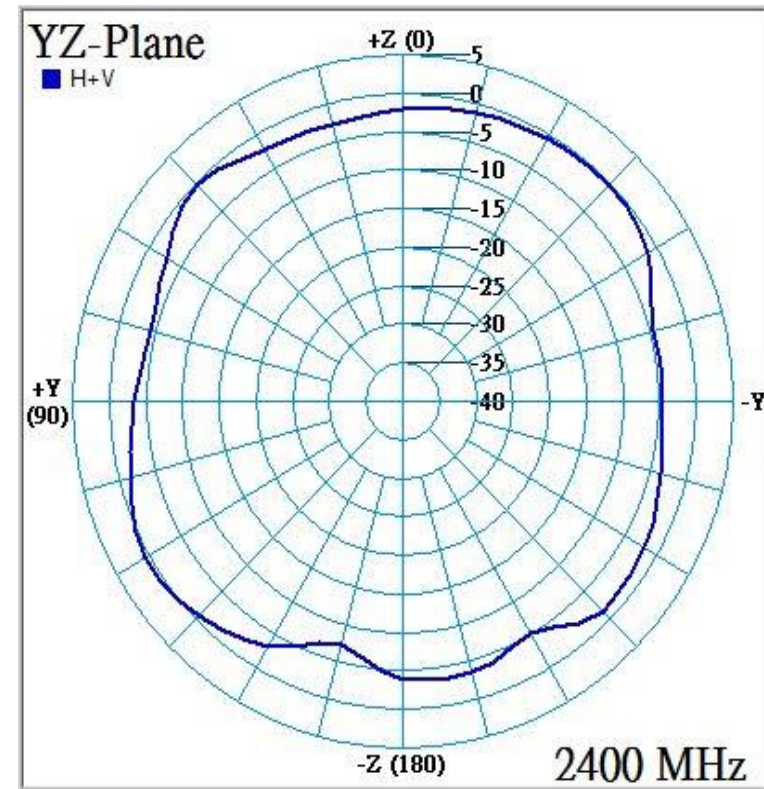
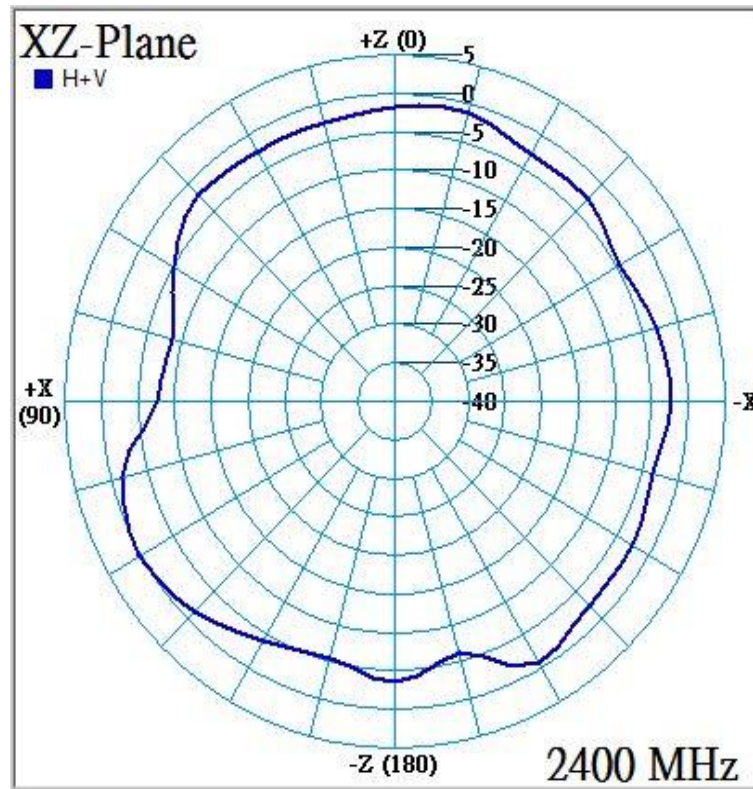
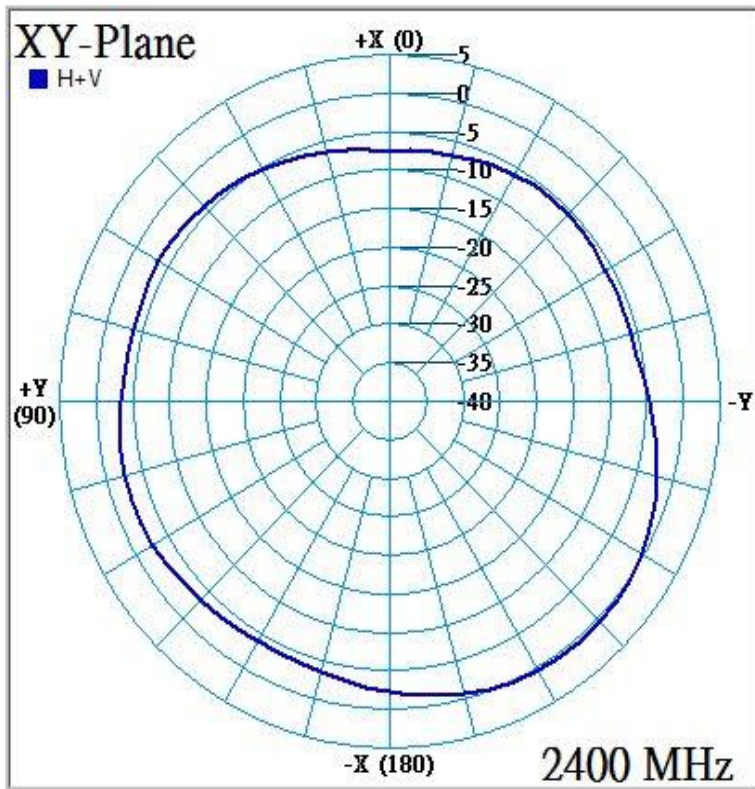
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 6425MHz



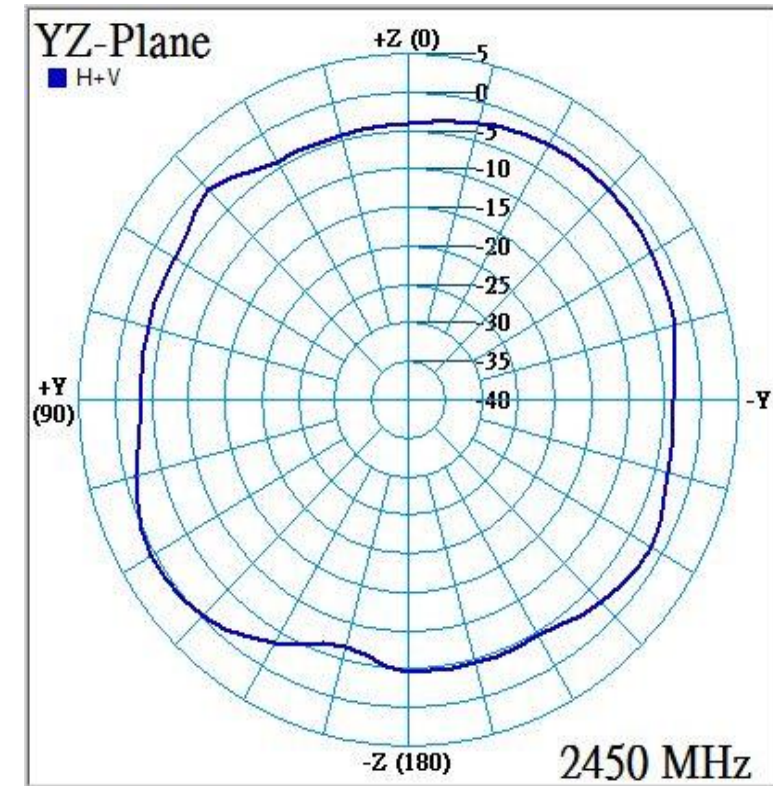
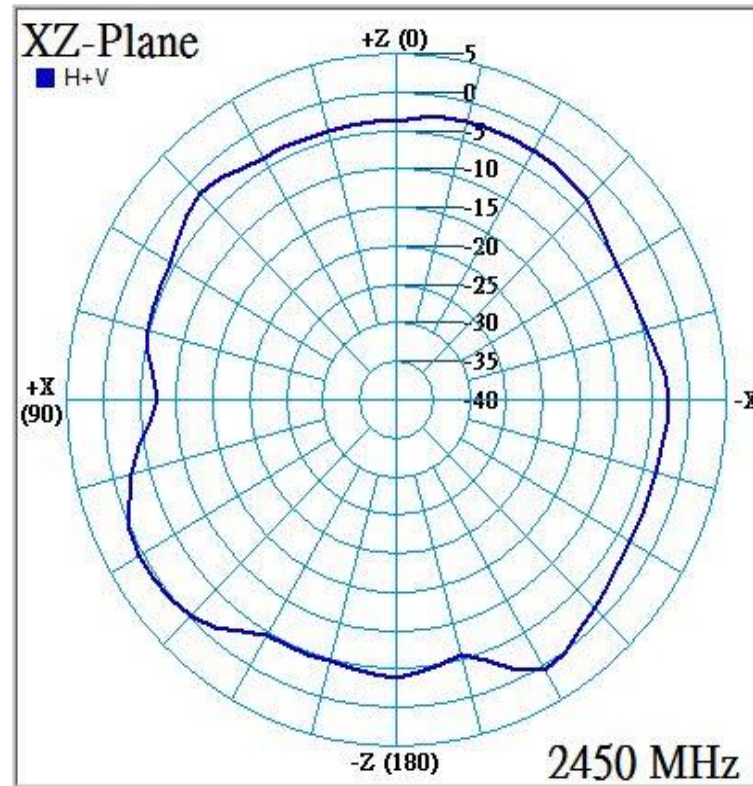
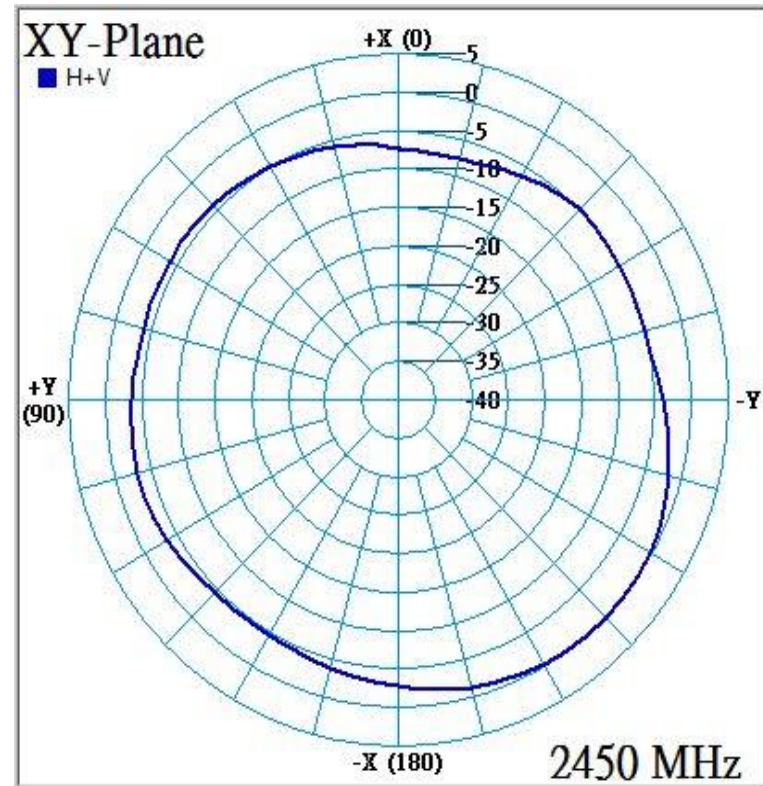
2.4/5G/6E _ANT GainTotal (dBi) 3D Pattern @ 7125MHz



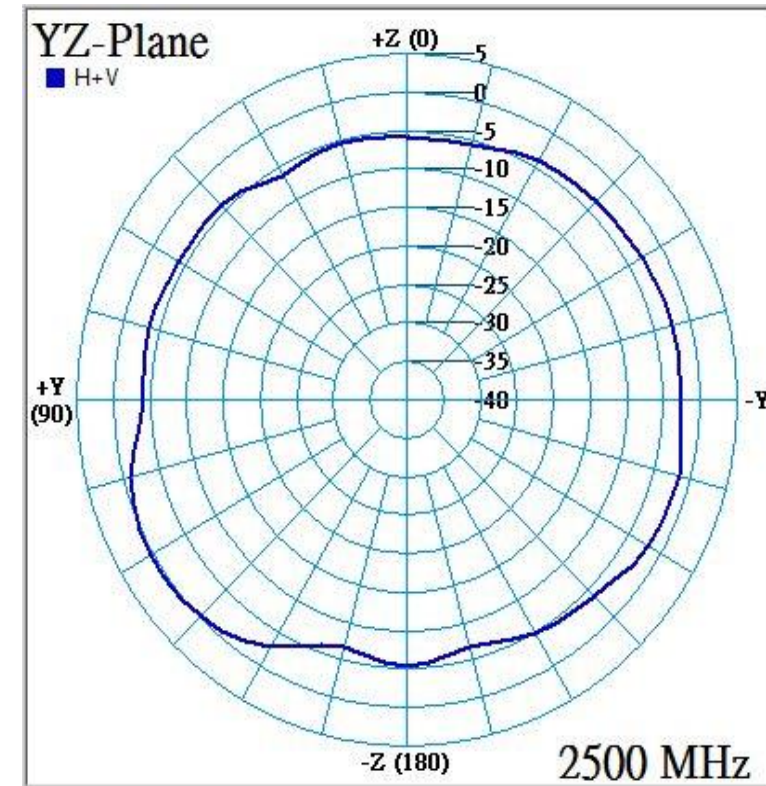
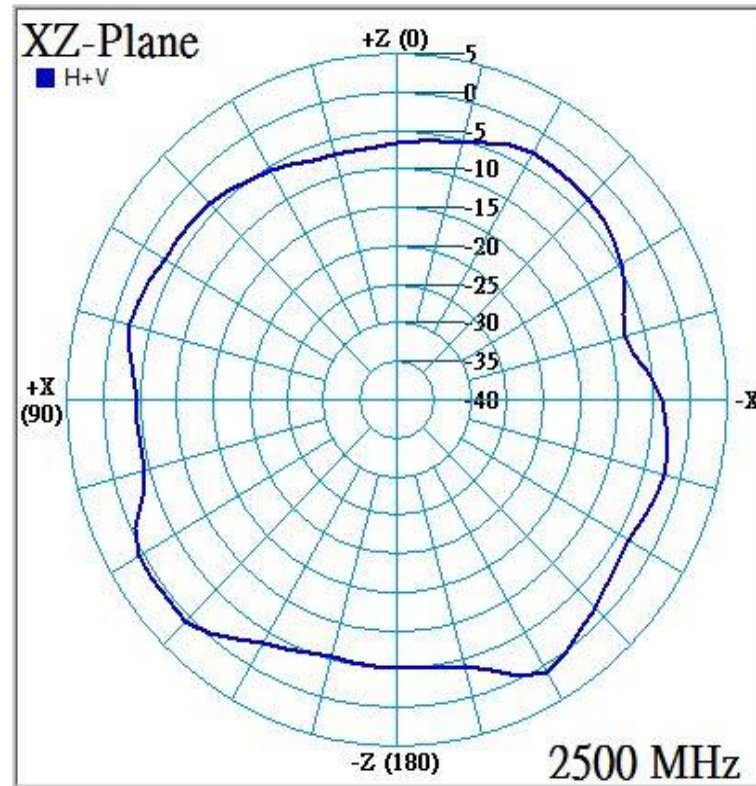
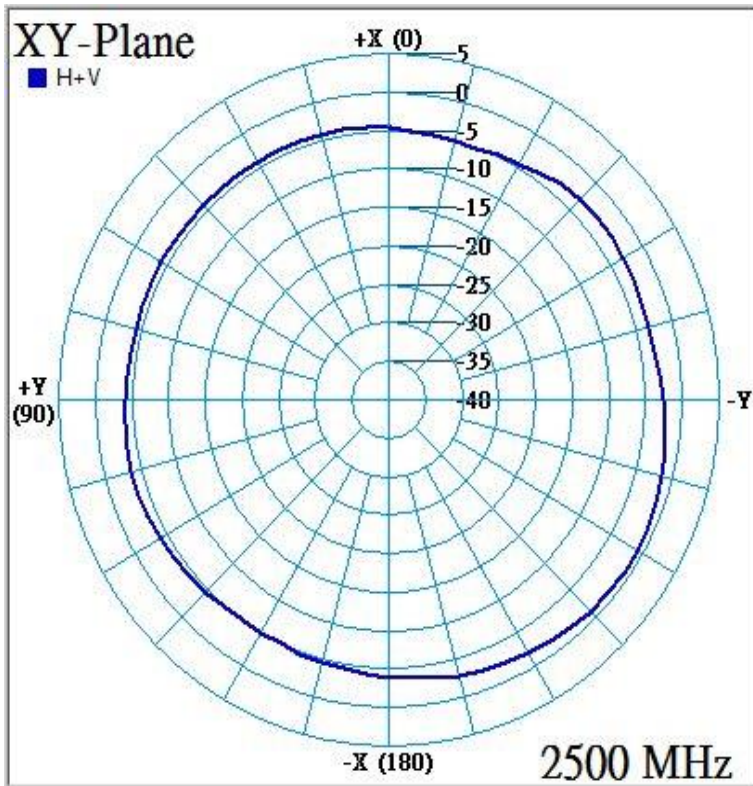
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 2400MHz



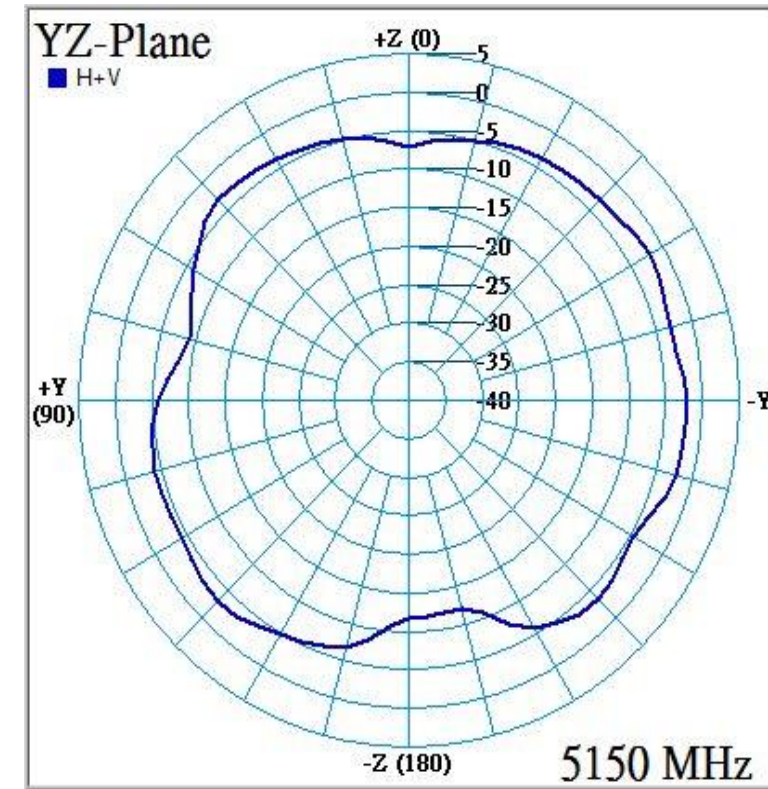
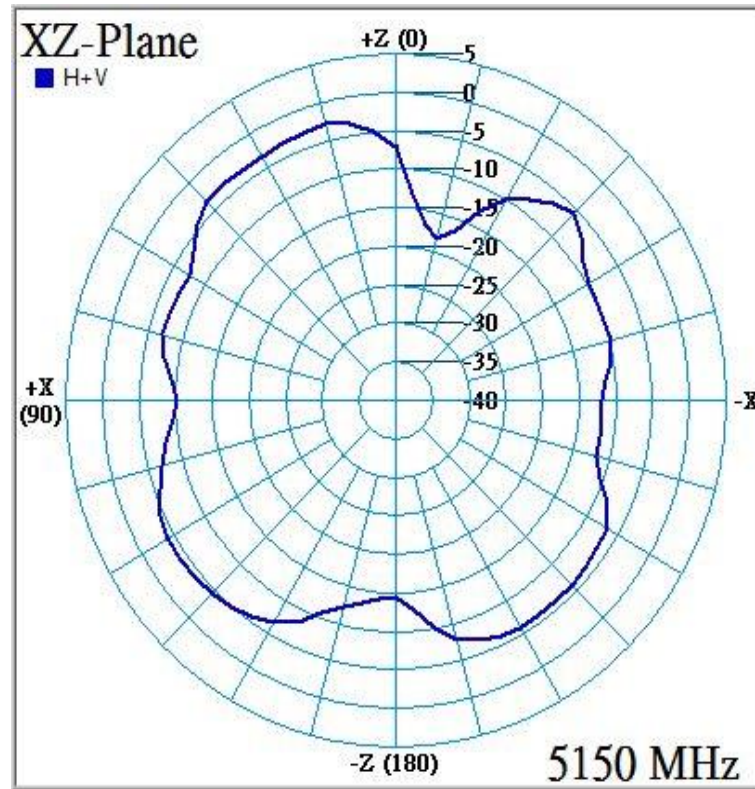
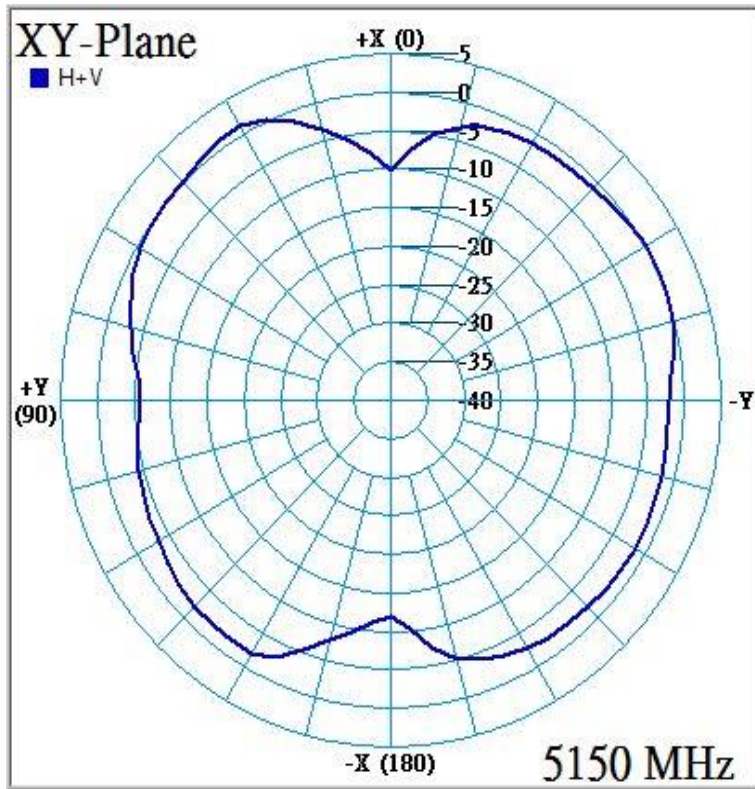
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 2450MHz



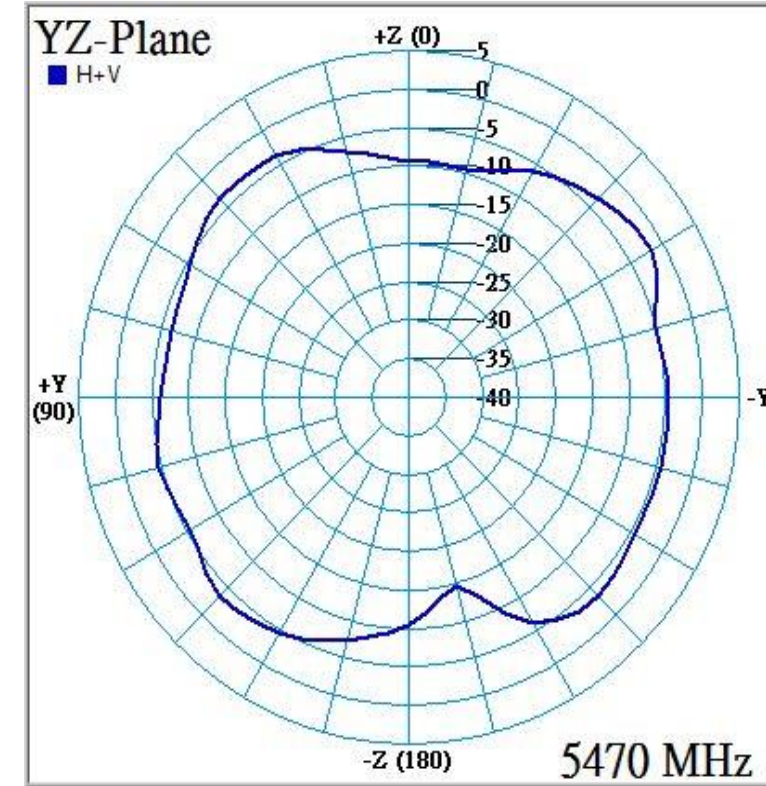
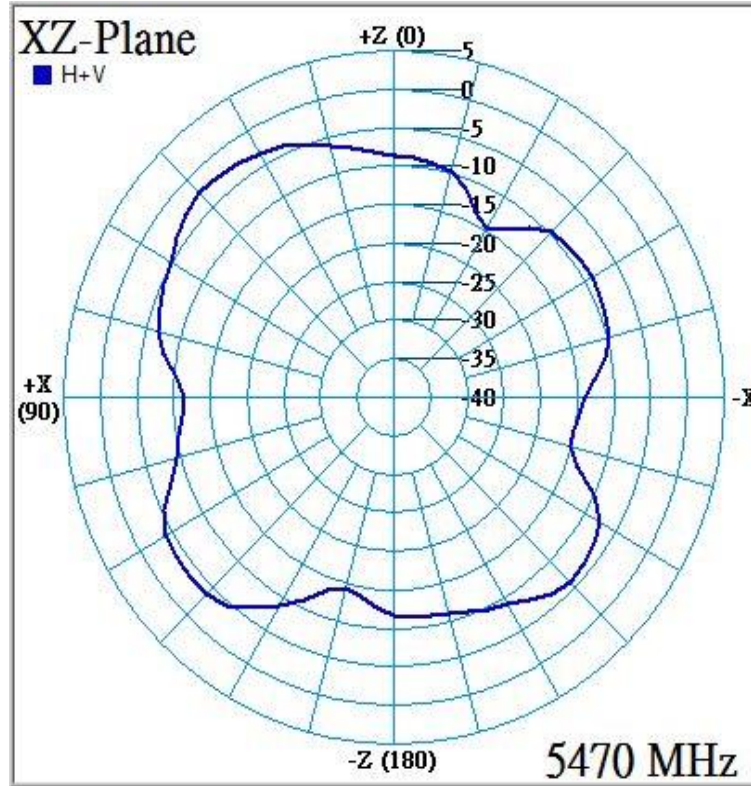
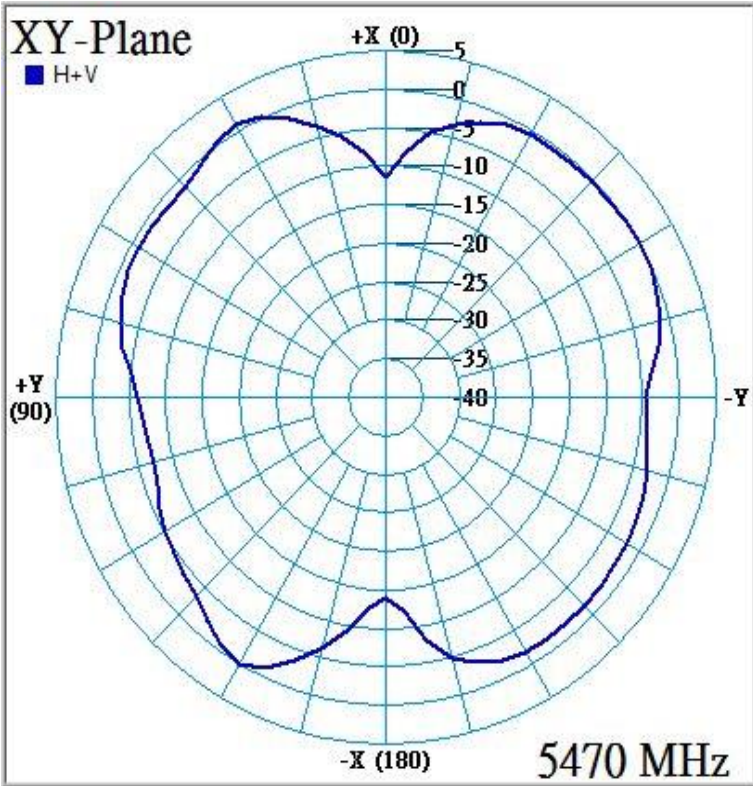
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 2500MHz



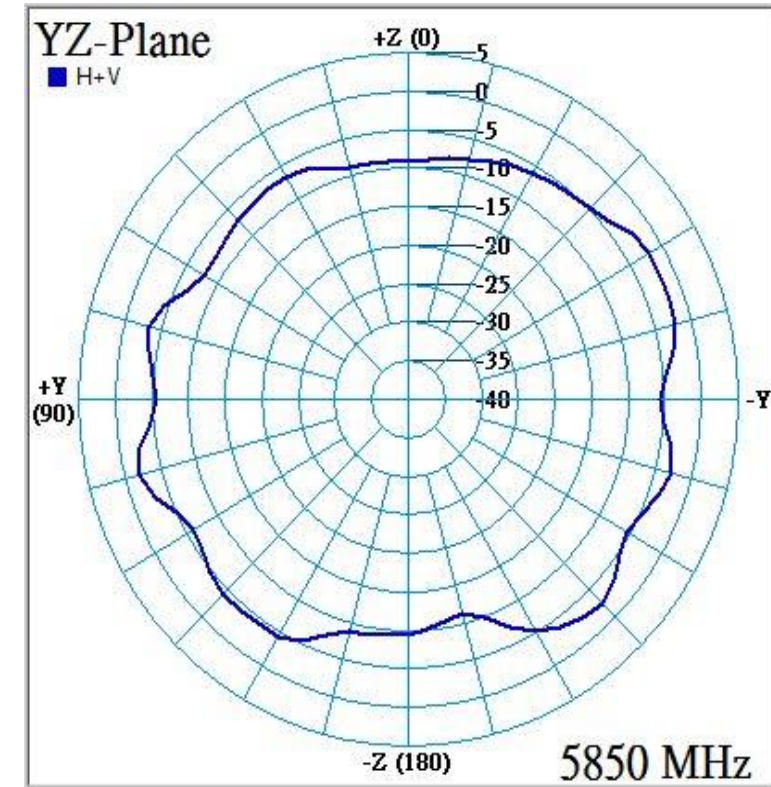
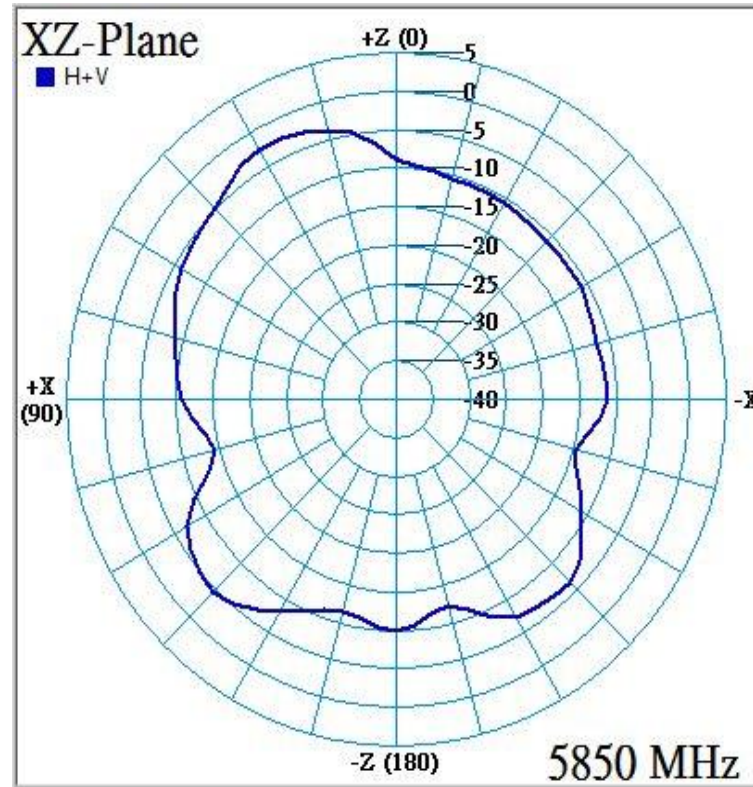
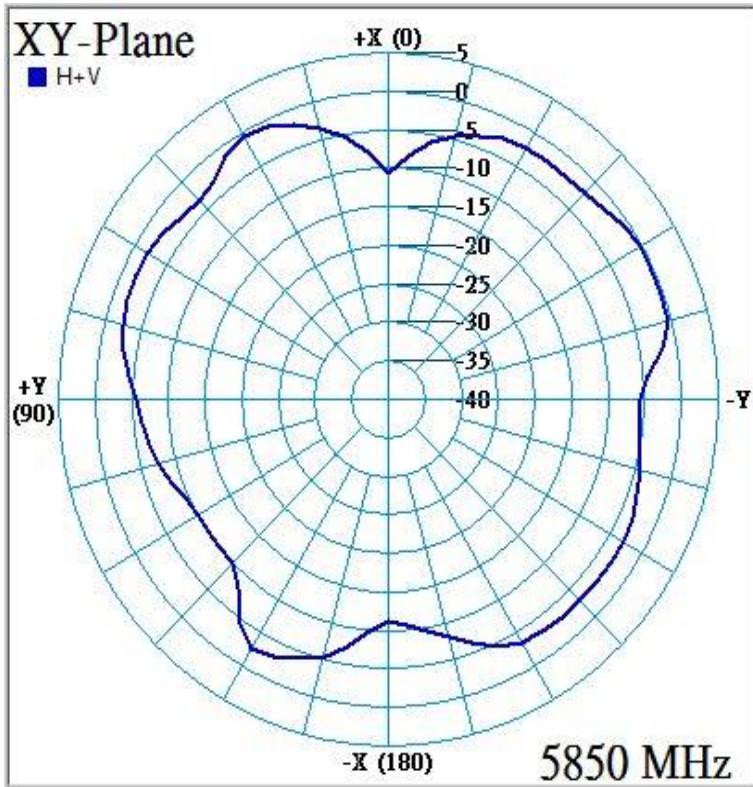
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 5150MHz



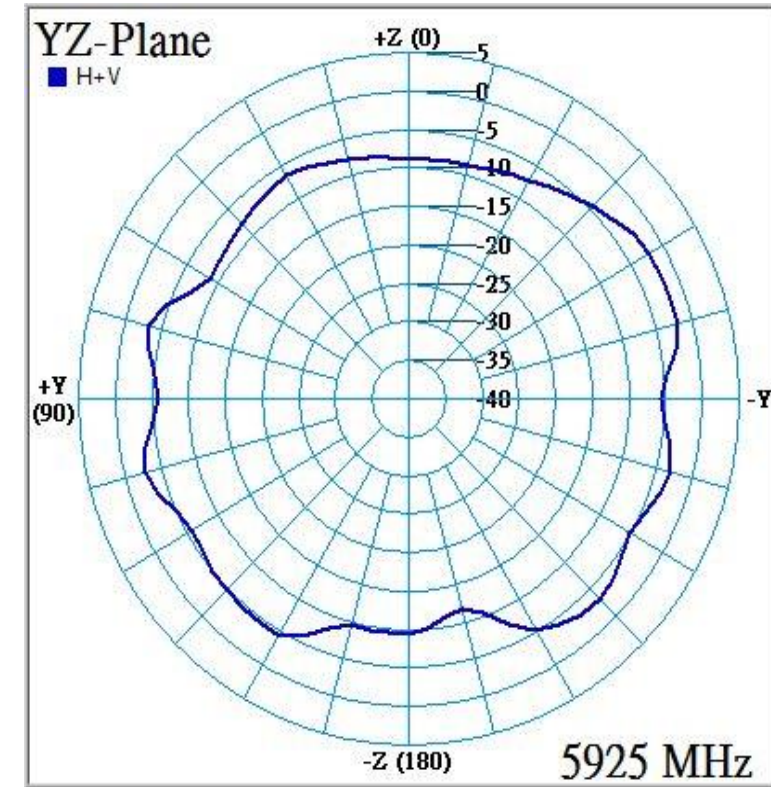
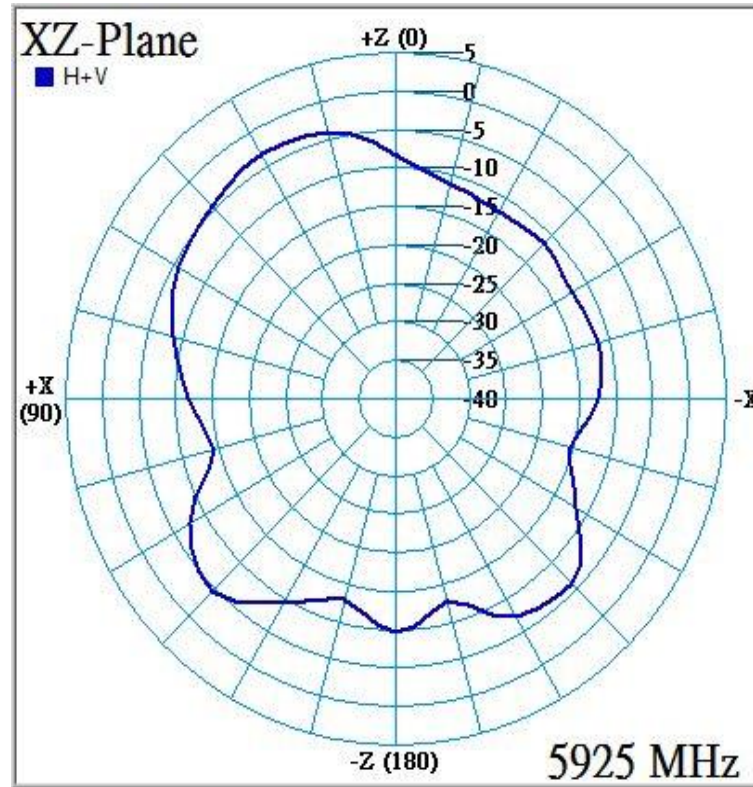
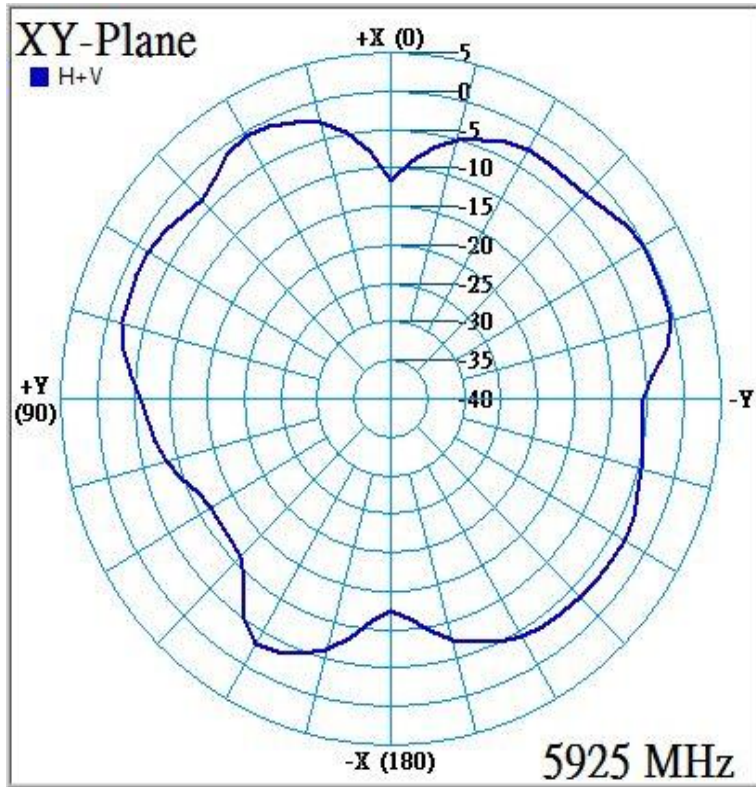
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 5470MHz



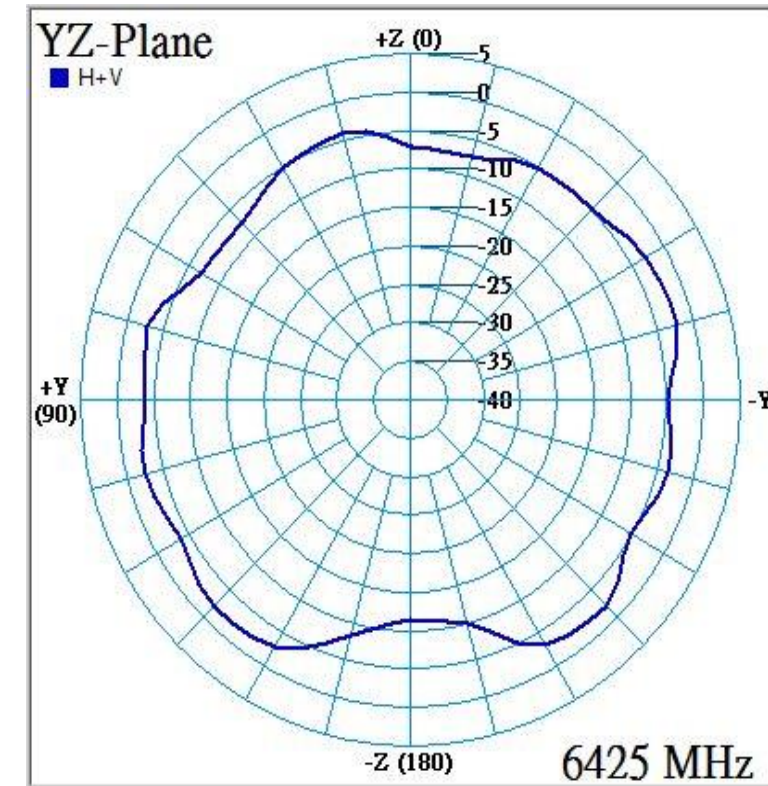
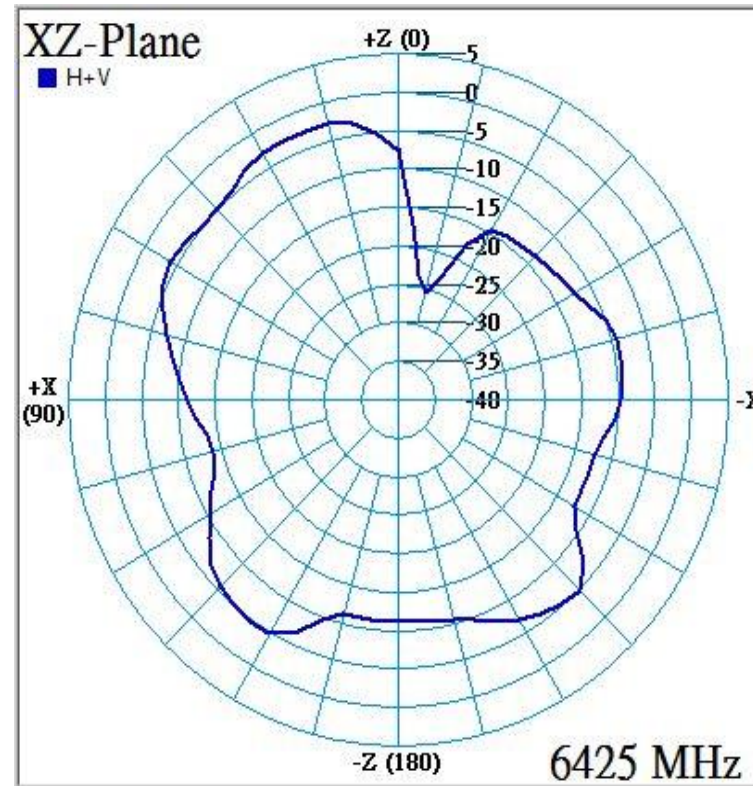
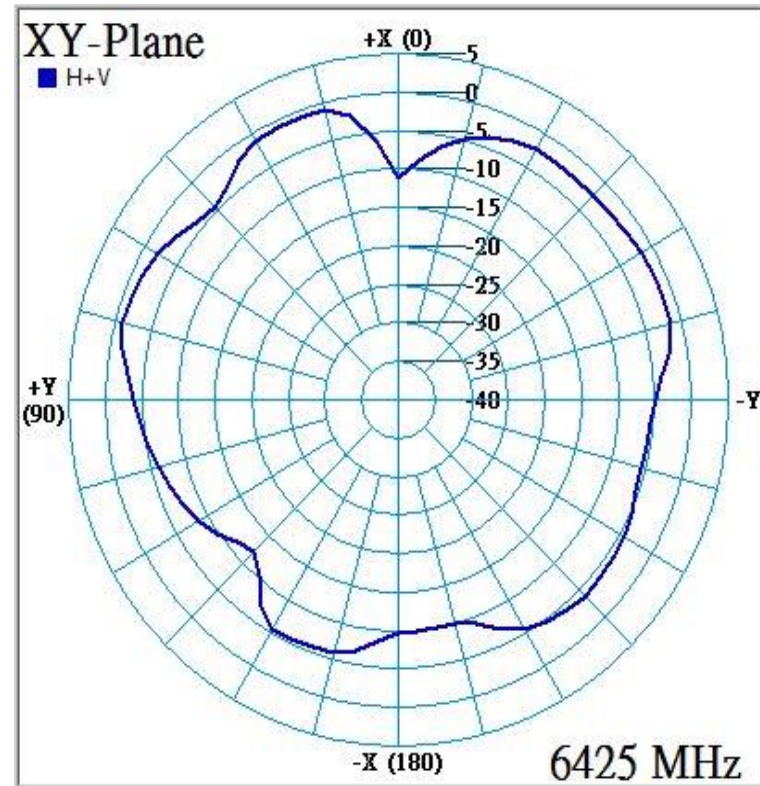
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 5850MHz



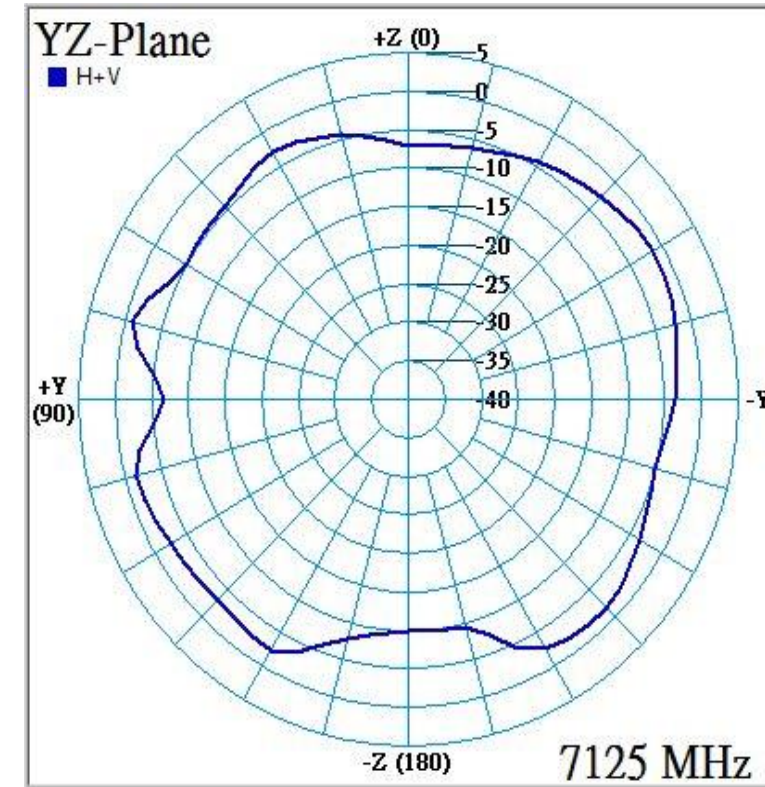
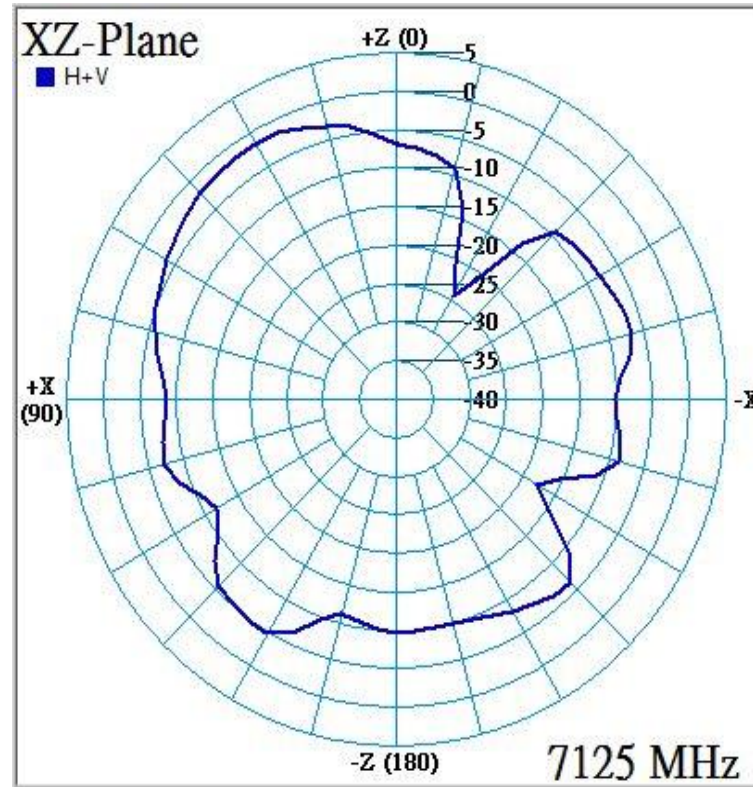
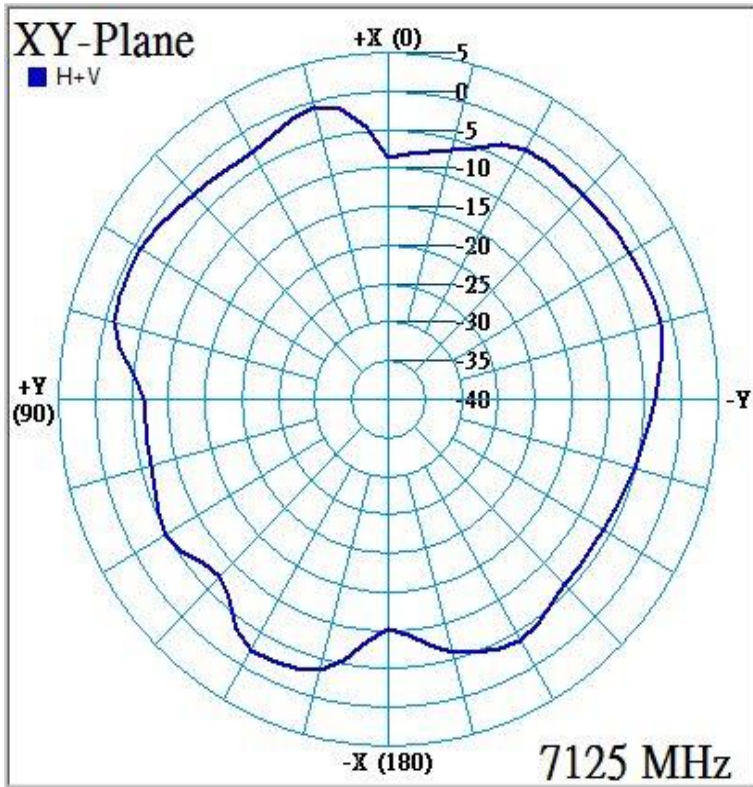
2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 5925MHz



2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 6425MHz



2.4/5G/6E _ANT GainTotal (dBi) 2D Pattern @ 7125MHz



Antenna Efficiency & Peak Gain

Frequency (MHz)	2400	2450	2500	5150	5250	5350	5470	5600	5725	5750	5785	5850
Directivity (dBi)	3.96	4.09	4.53	4.36	4.15	4.19	3.93	4.24	4.86	4.69	4.56	4.27
Efficiency (dB)	-1.46	-1.64	-1.78	-2.02	-1.81	-1.95	-2.50	-2.19	-1.52	-1.54	-1.61	-1.92
Efficiency (%)	71.50	68.54	66.43	62.82	65.98	63.84	56.30	60.46	70.51	70.09	69.03	64.22
Gain (dBi)	2.51	2.44	2.75	2.34	2.34	2.24	1.43	2.06	3.34	3.14	2.95	2.34

Frequency (MHz)	5925	6175	6425	6525	6700	6875	7000	7125
Directivity (dBi)	4.47	4.15	4.36	4.57	4.69	4.60	4.52	4.47
Efficiency (dB)	-2.38	-2.43	-2.42	-2.58	-2.64	-2.57	-2.35	-2.42
Efficiency (%)	57.86	57.15	57.29	55.17	54.46	55.40	58.17	57.23
Gain (dBi)	2.09	1.72	1.94	1.99	2.05	2.03	2.17	2.04