

Awan Test Report

AW135SM003

Manufacturer: AWAN

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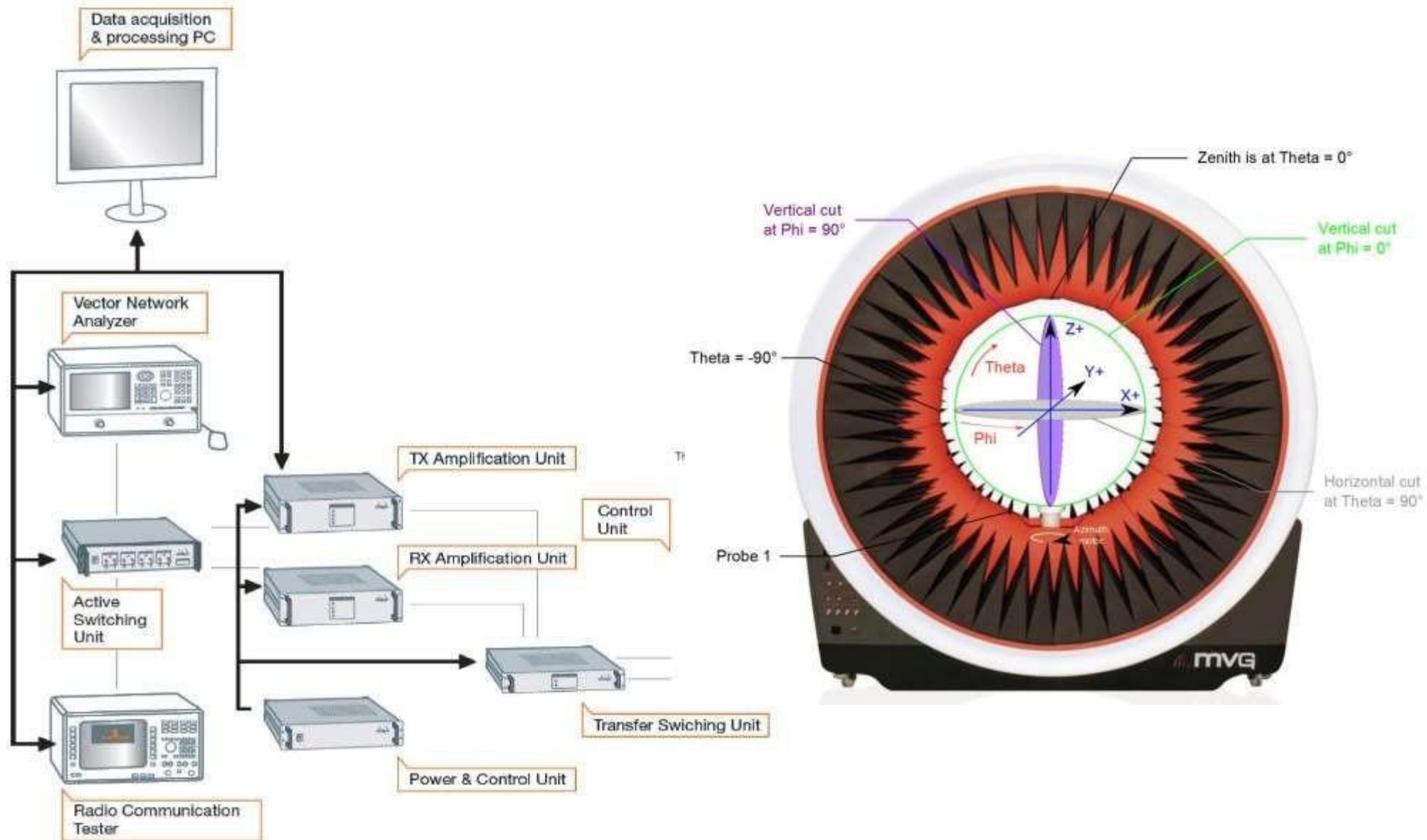
- **Antenna Testing Conditions**

1. Test System
2. Antenna Under Test
3. Antenna Specification

- **Antenna RF characteristics**

1. VSWR
2. Gain Table
3. Radiation Pattern

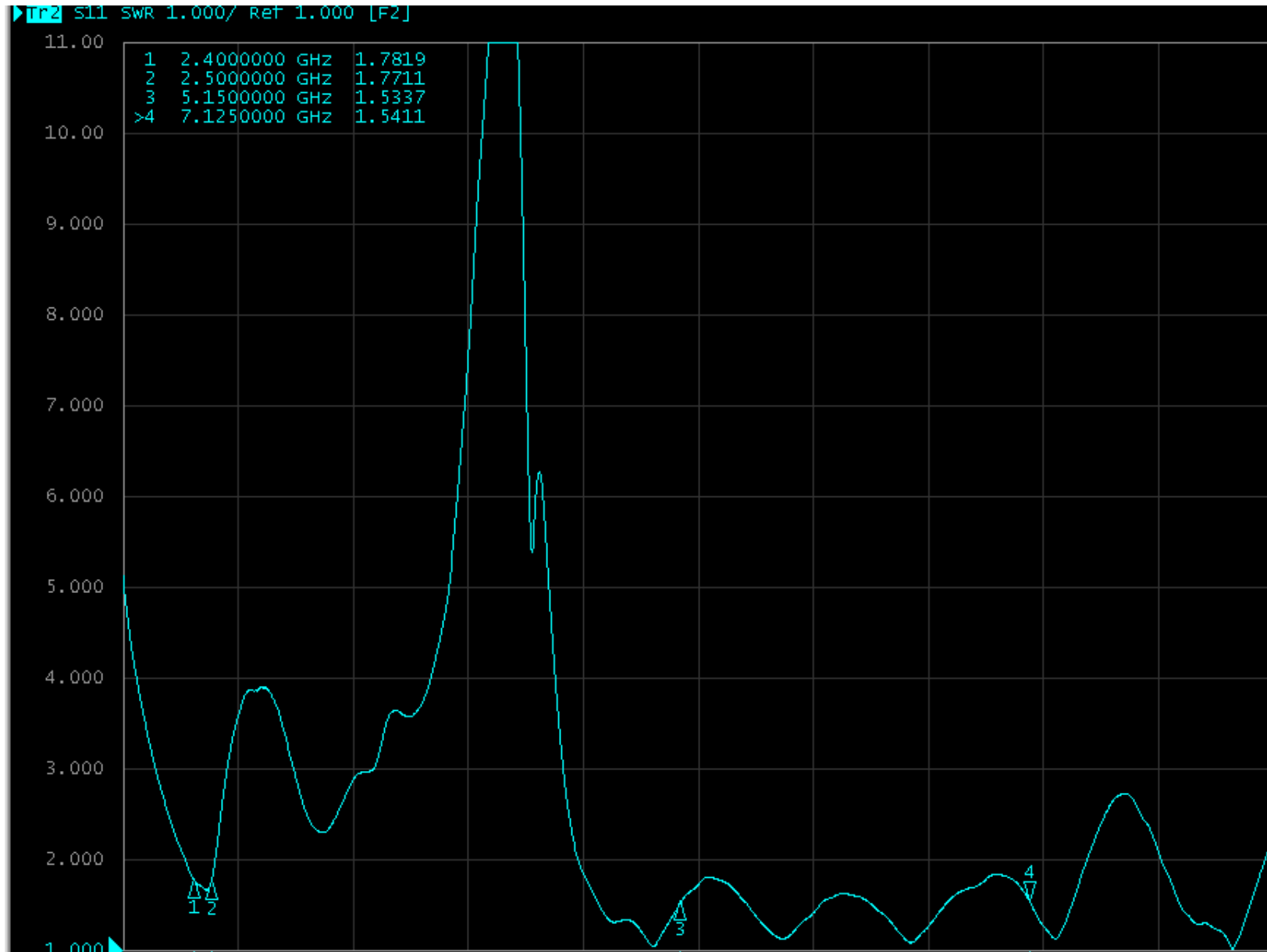
Aantenna Test System



Antenna Specification

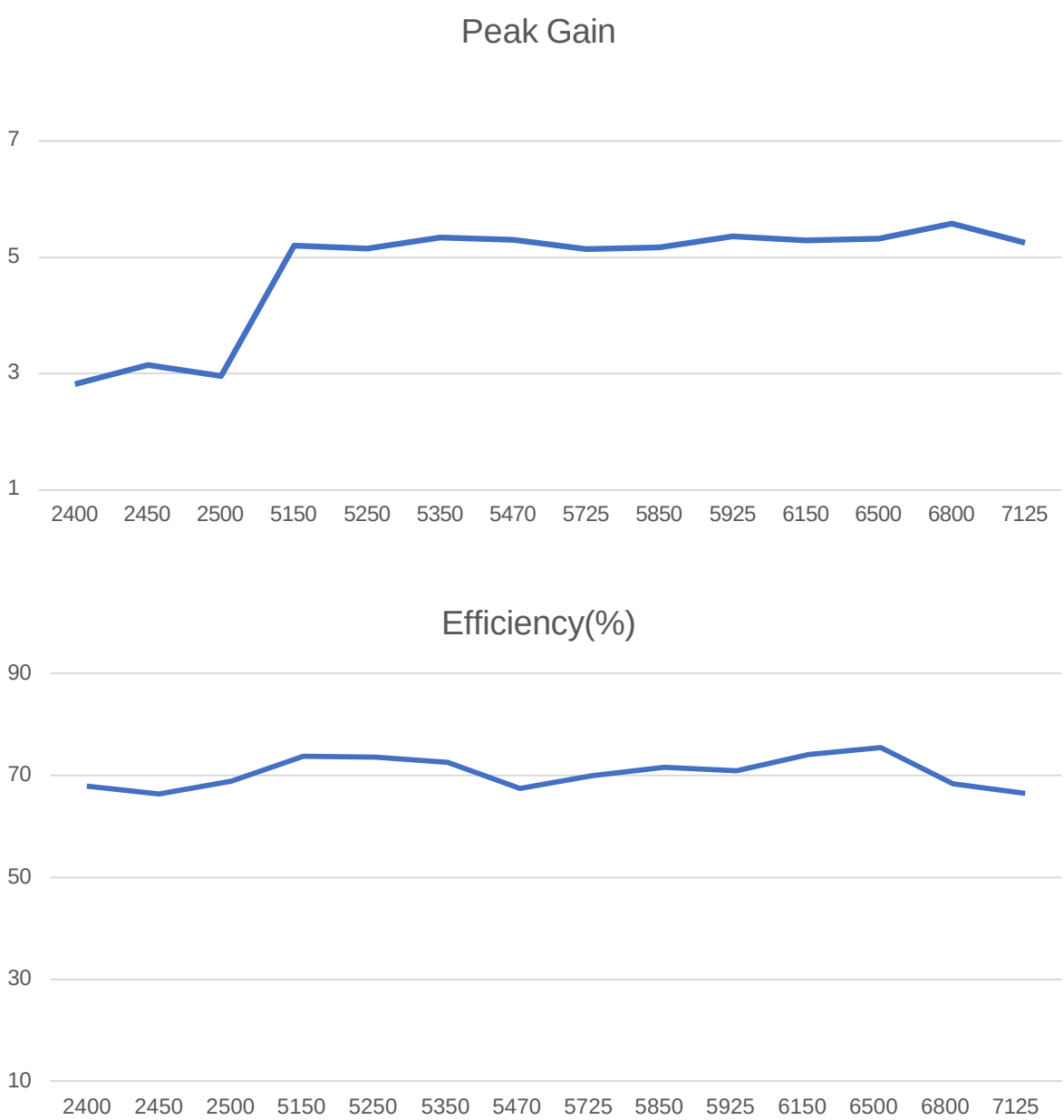


Parameter	Specification
Antenna Type	Dipole
VSWR	< 2
Frequency	2.4 ~ 2.5 GHz 5.15 ~ 5.85 GHz 5.925~7.125GHz
Efficiency	2.4 ~ 2.5 GHz @ 60~ 65% 5.15 ~ 5.85 GHz @ 65~ 70% 5.925~7.125GHz @ 65~ 75%

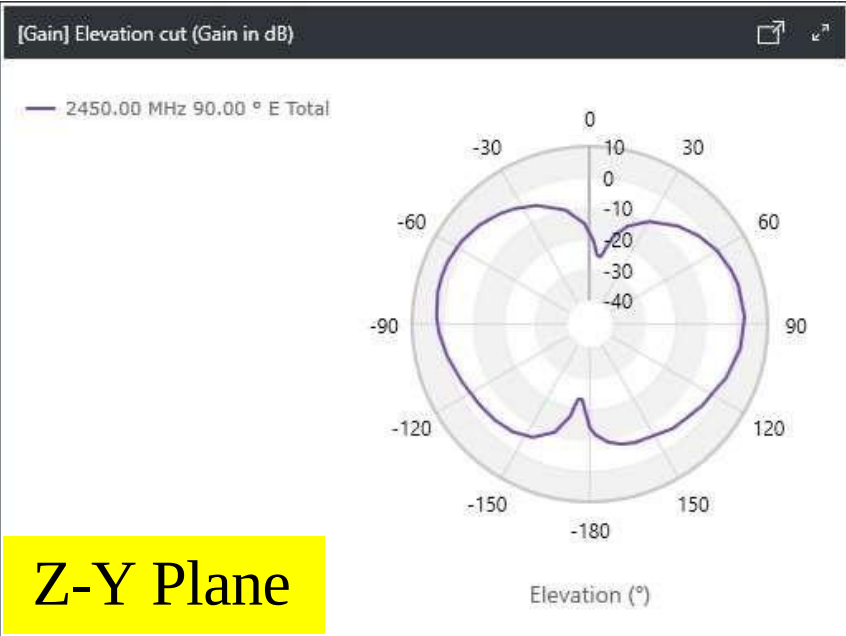
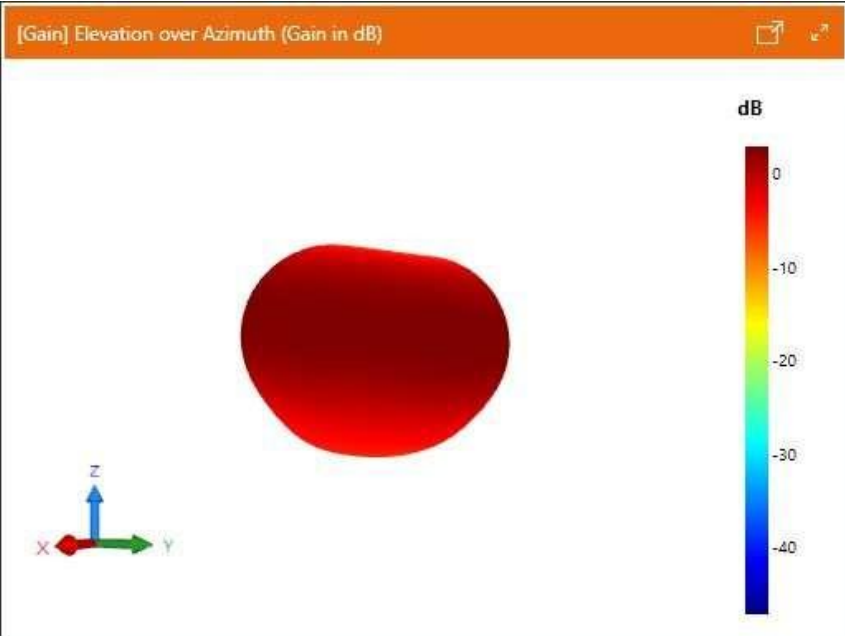


Gain Table

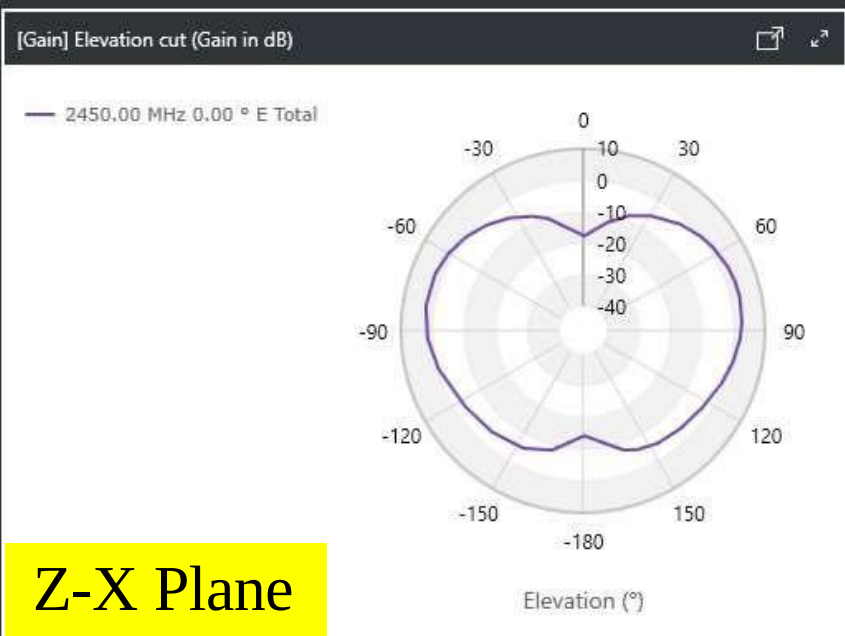
Frequency (MHz)	Peak Gain (dBi)	Efficiency (dB)	Efficiency (%)
2400	2.81	-1.68	67.92
2450	3.14	-1.78	66.37
2500	2.95	-1.62	68.87
5150	5.19	-1.32	73.79
5250	5.14	-1.33	73.62
5350	5.33	-1.39	72.61
5470	5.29	-1.71	67.45
5725	5.13	-1.55	69.98
5850	5.16	-1.45	71.61
5925	5.35	-1.49	70.96
6150	5.28	-1.3	74.13
6500	5.31	-1.22	75.51
6800	5.57	-1.65	68.39
7125	5.24	-1.77	66.53



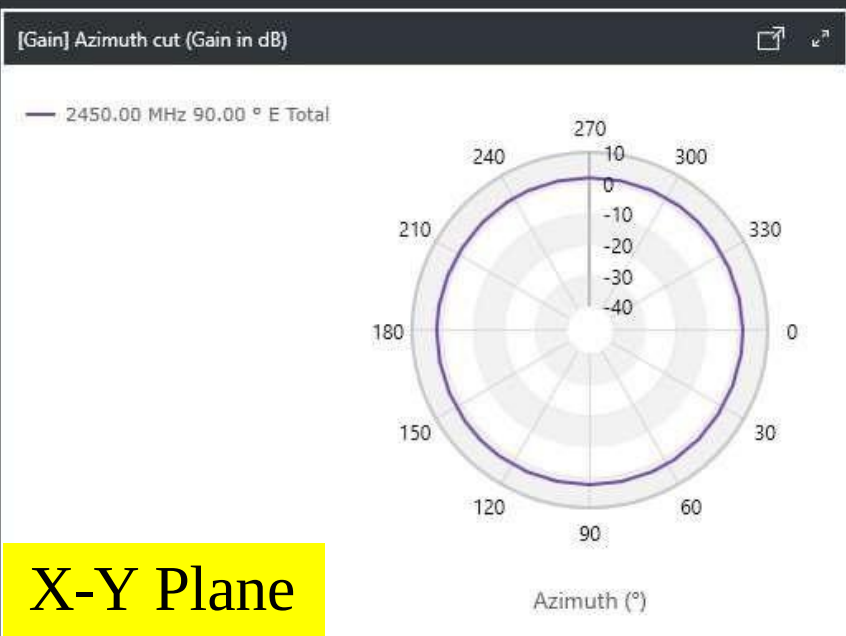
Radiation Pattern 2D & 3D (2.45 GHz)



Z-Y Plane

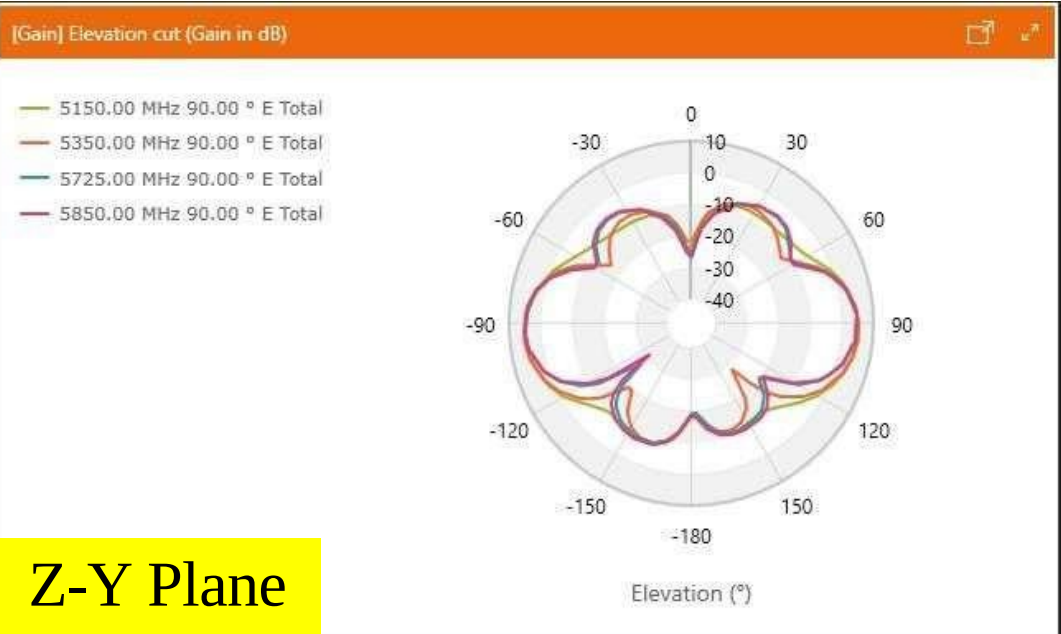
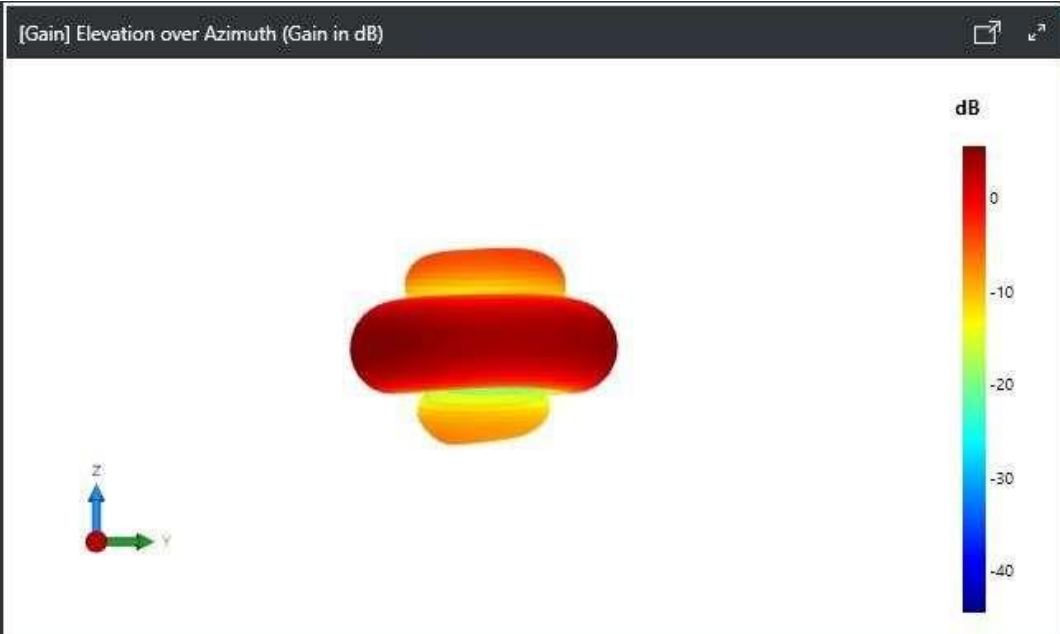


Z-X Plane

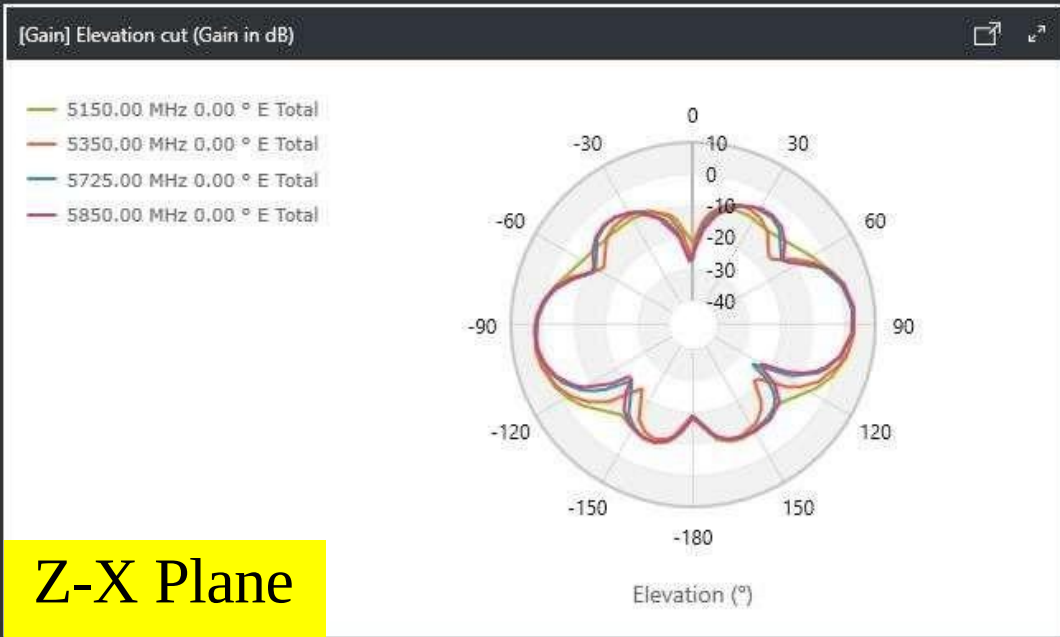


X-Y Plane

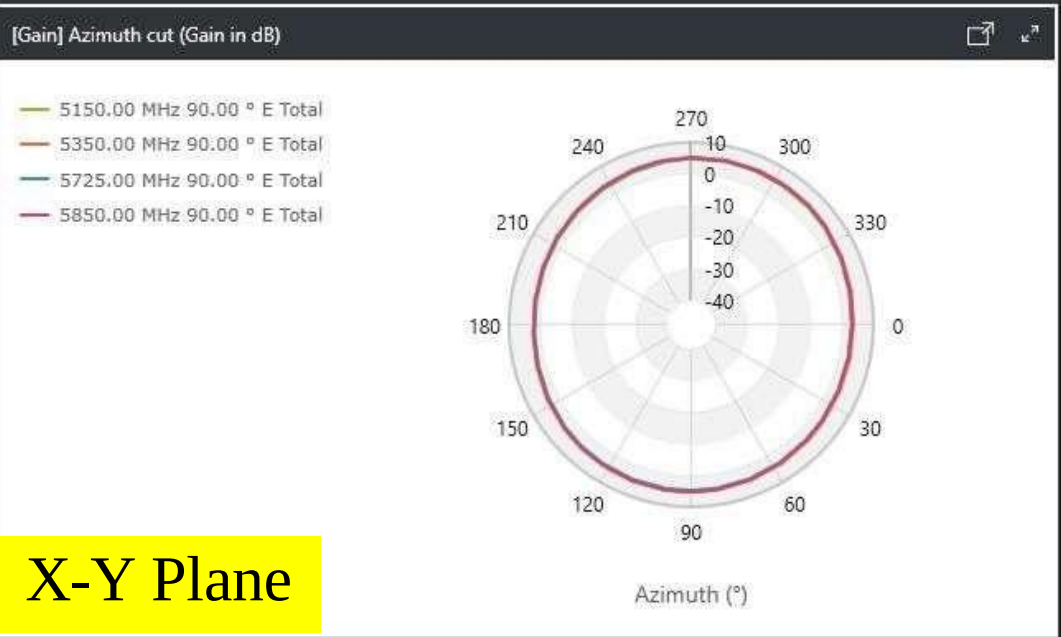
Radiation Pattern 2D & 3D (5.15 ~ 5.85 GHz)



Z-Y Plane

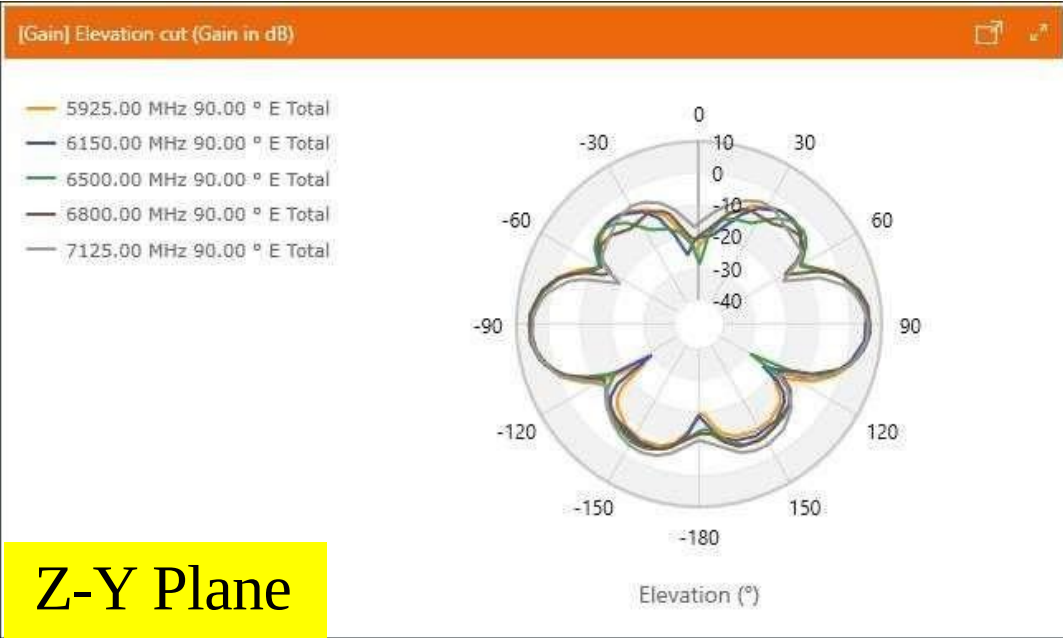
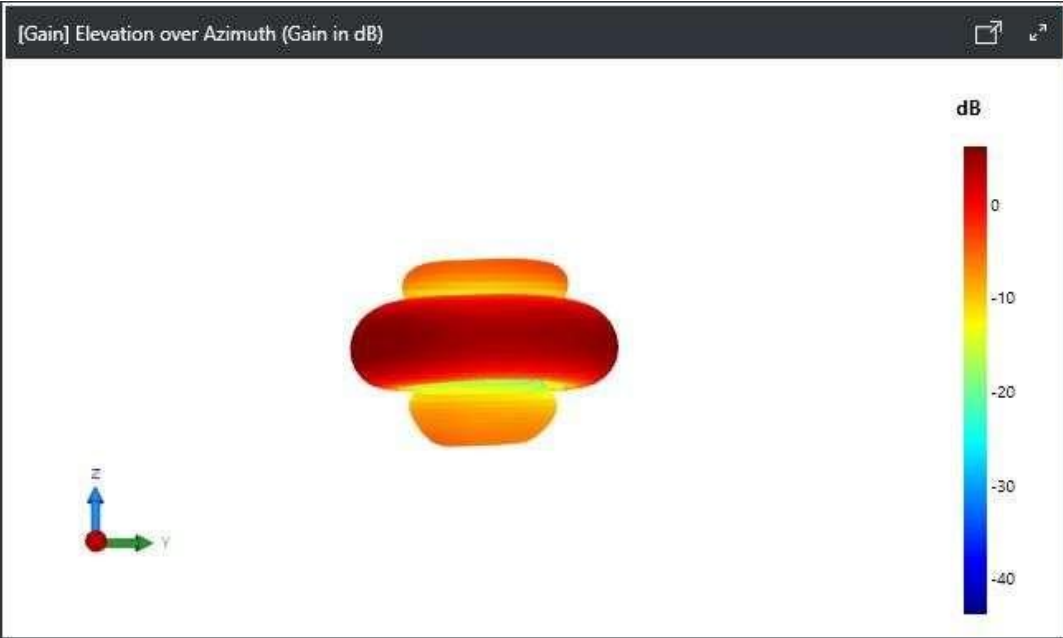


Z-X Plane

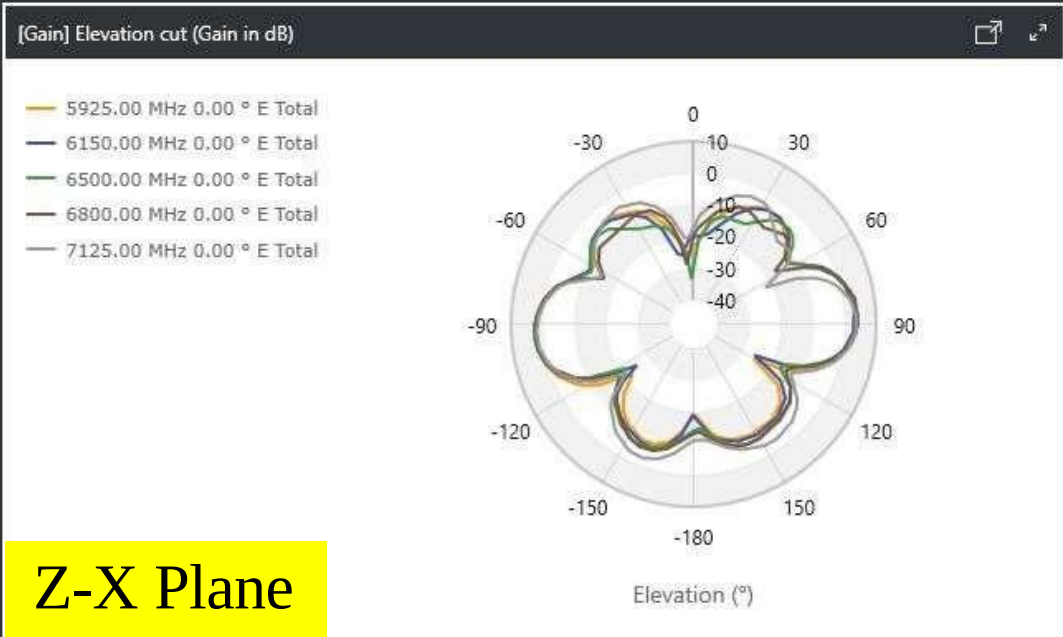


X-Y Plane

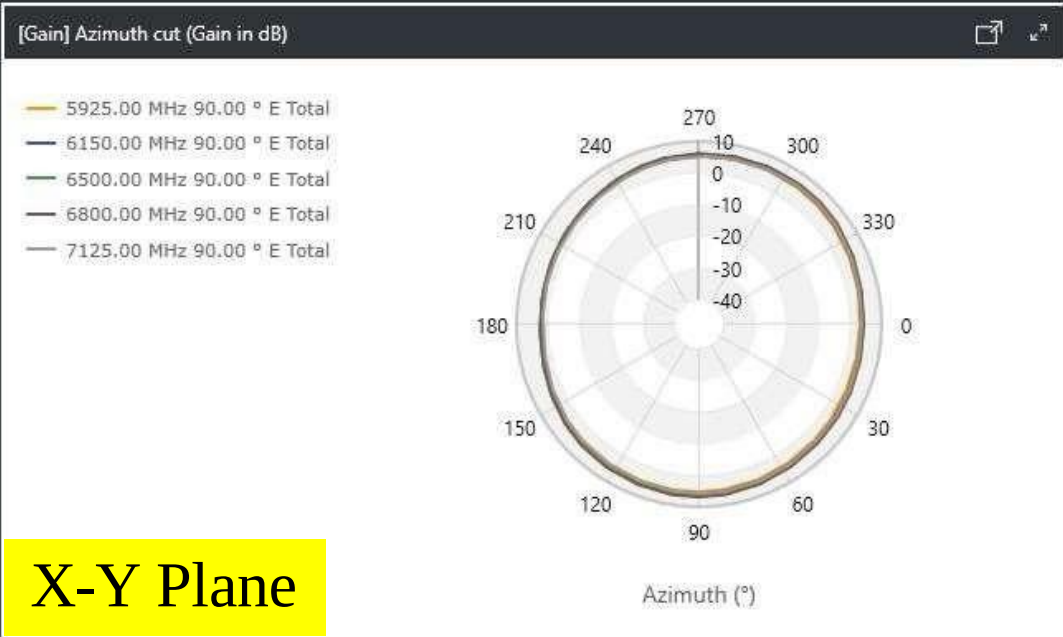
Radiation Pattern 2D & 3D (5.925~7.125 GHz)



Z-Y Plane



Z-X Plane



X-Y Plane



THANK YOU