

ADVANCED WIRELESS & ANTENNA INC
B2F., No. 207-1, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City
231, Taiwan (R.O.C.)

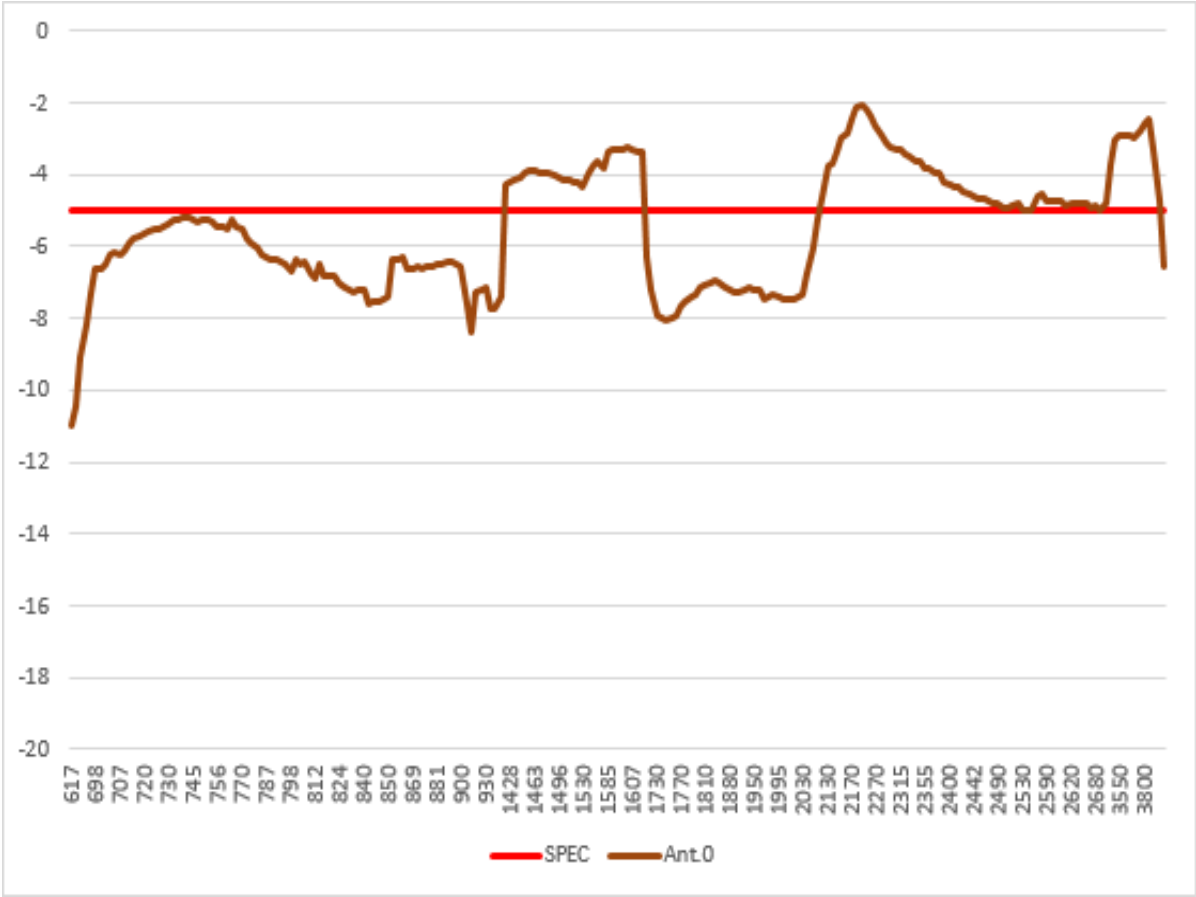
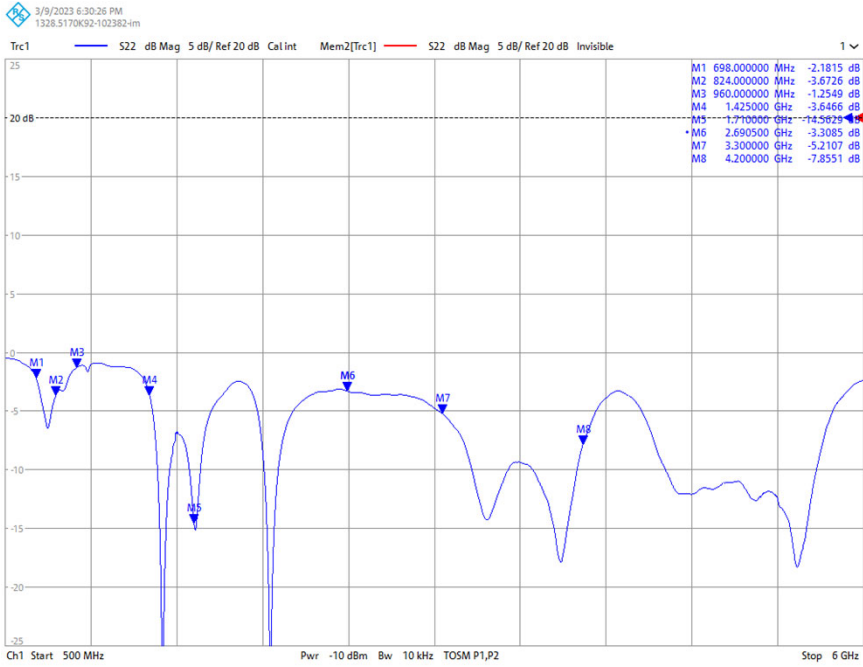
Awan Test Report

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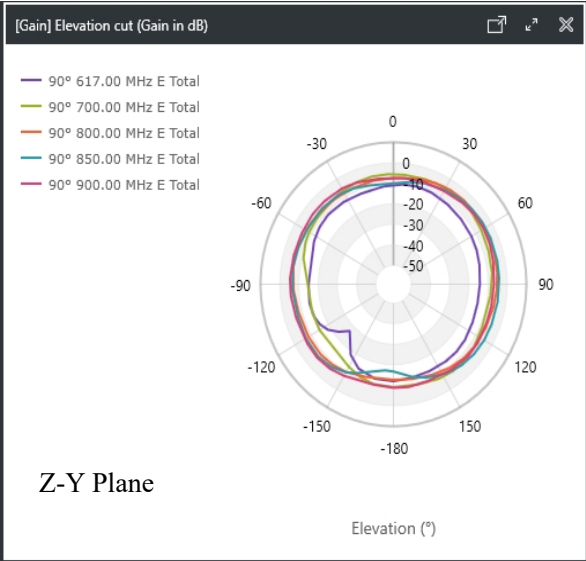
VSWR & Gain Table_Ant0



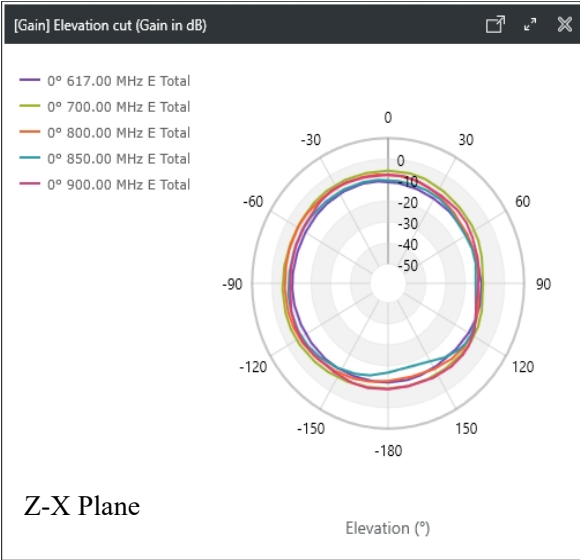
Antenna Performace Ant0

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Peak EIRP(dBi)
617	-10.97	8.00	-9.03
700	-6.51	22.34	-4.68
800	-6.37	23.07	-4.11
850	-7.40	18.20	-3.81
900	-6.57	22.03	-4.15
1500	-4.14	38.55	-0.21
1710	-7.22	18.97	-0.53
1805	-7.14	19.32	-2.49
1910	-7.28	18.71	-1.62
2110	-4.66	34.20	-0.21
2300	-3.13	48.64	2.79
2500	-4.95	31.99	0.93
2600	-4.74	33.57	1.04
3500	-3.07	49.32	2.04
3600	-2.92	51.05	2.81
3700	-2.95	50.70	2.90

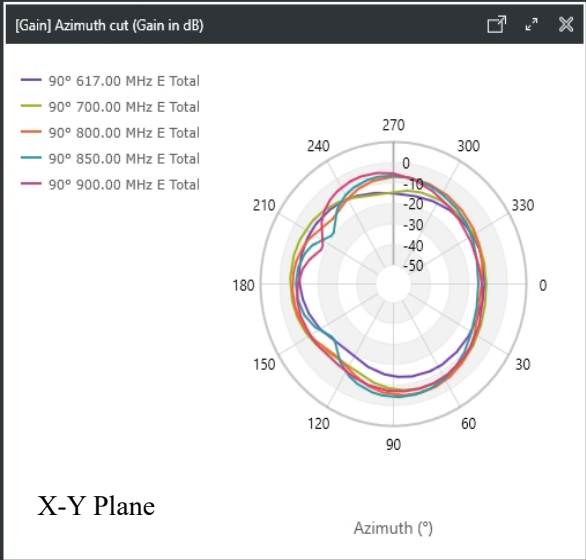
2D Radiation Pattern_Ant0



Z-Y Plane

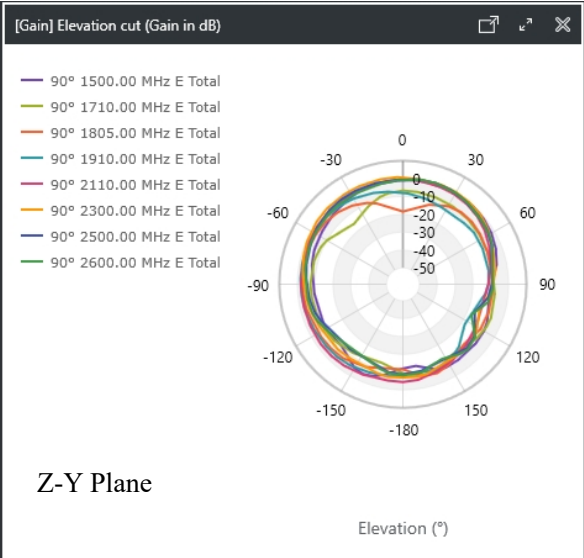


Z-X Plane

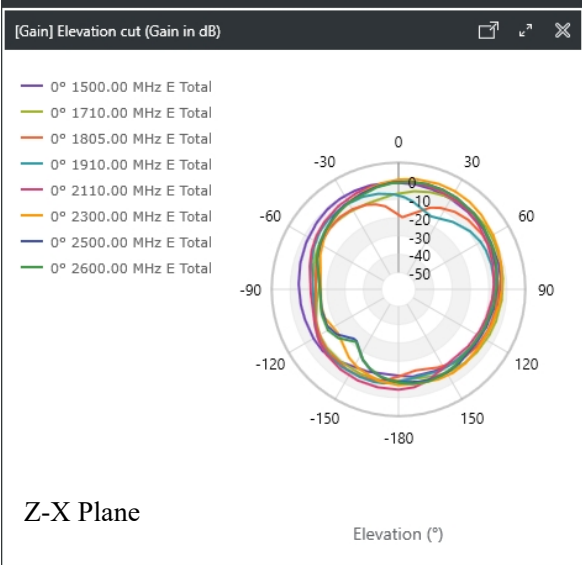


X-Y Plane

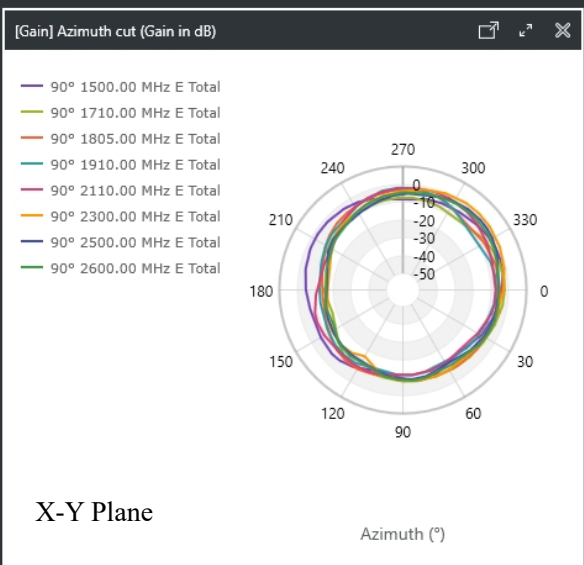
2D Radiation Pattern_Ant0



Z-Y Plane

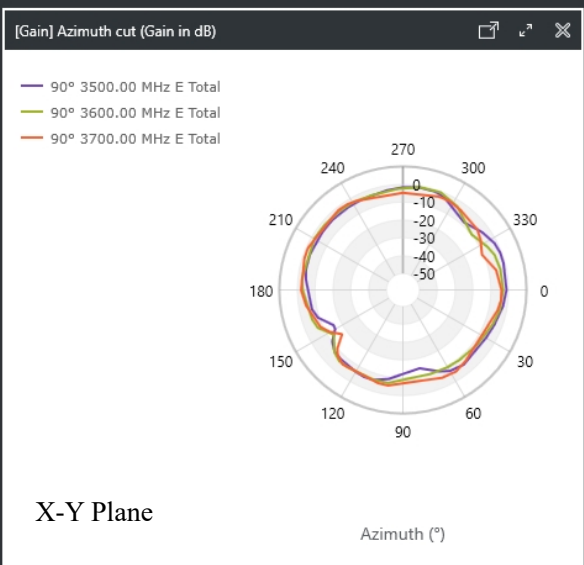
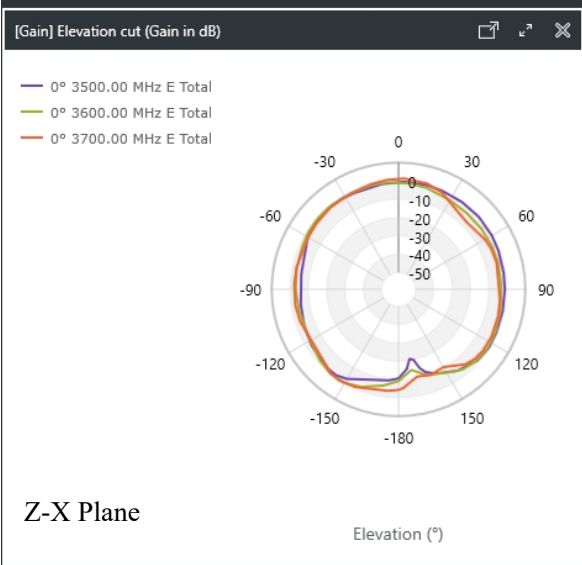
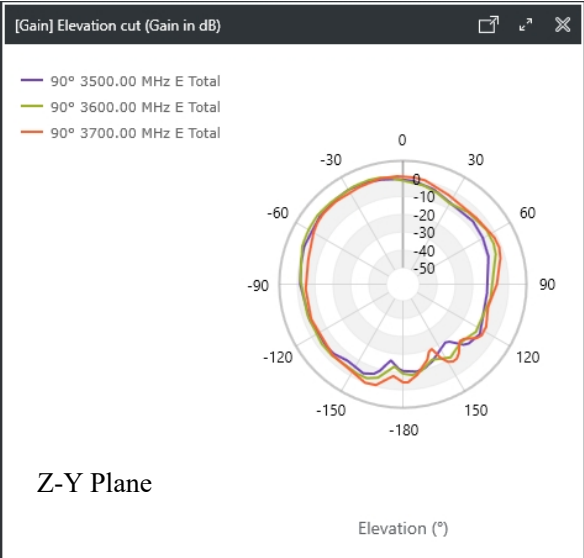


Z-X Plane

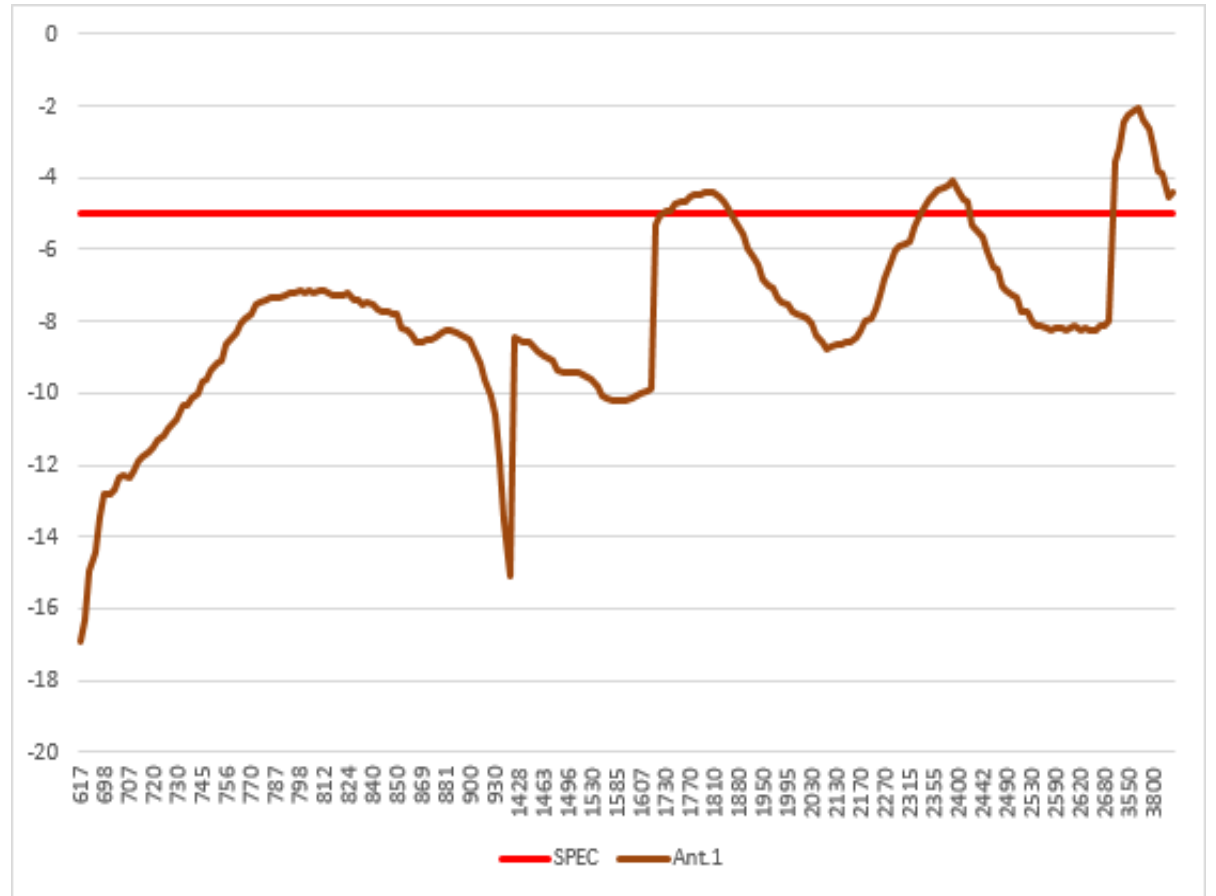
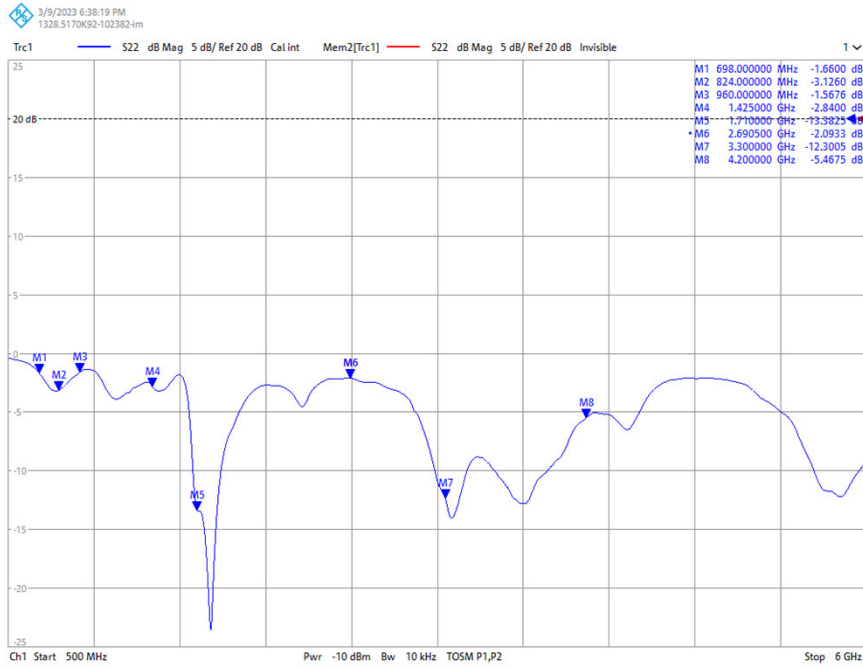


X-Y Plane

2D Radiation Pattern_Ant0



VSWR & Gain Table_Ant1



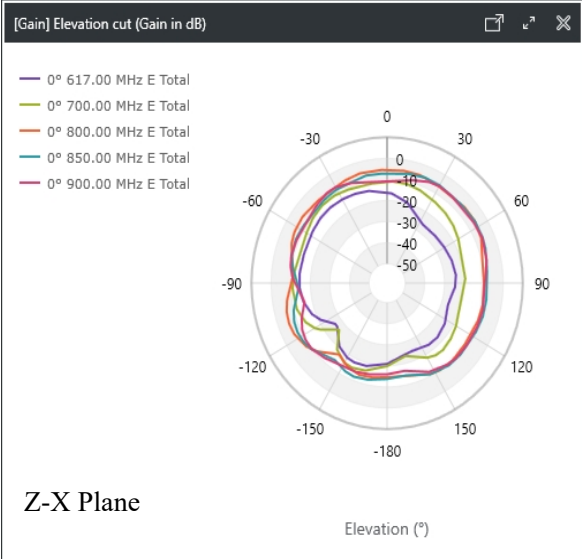
Antenna Performace Ant1

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Peak EIRP(dBi)
617	-16.92	2.03	-12.82
700	-12.69	5.38	-7.96
800	-7.18	19.14	-2.92
850	-7.79	16.63	-3.81
900	-8.50	14.13	-3.65
1500	-9.42	11.43	-3.47
1710	-5.07	31.12	0.73
1805	-4.39	36.39	1.49
1910	-6.00	25.12	-0.71
2110	-8.69	13.52	-3.32
2300	-6.03	24.95	-1.22
2500	-7.37	18.32	-2.21
2600	-8.17	15.24	-2.11
3500	-2.46	56.75	2.53
3600	-2.11	61.52	2.70
3700	-2.40	57.54	2.47

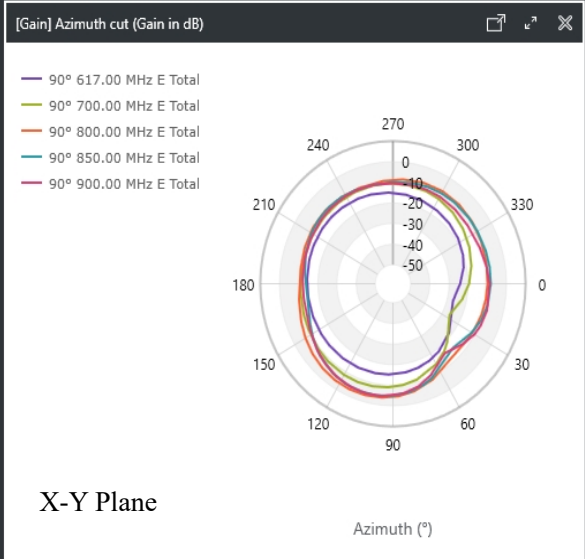
2D Radiation Pattern_Ant1



Z-Y Plane

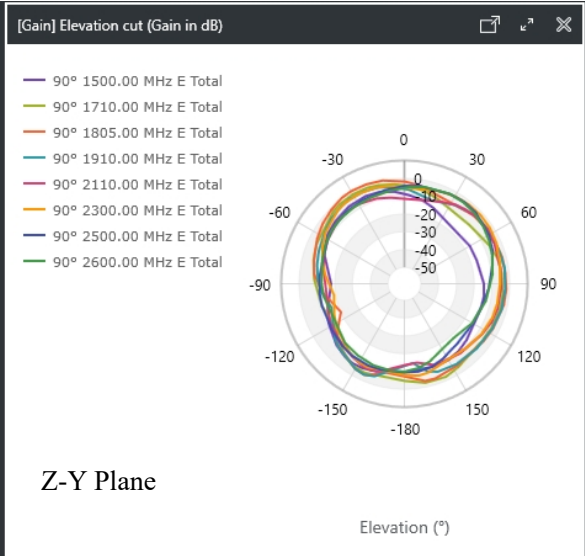


Z-X Plane

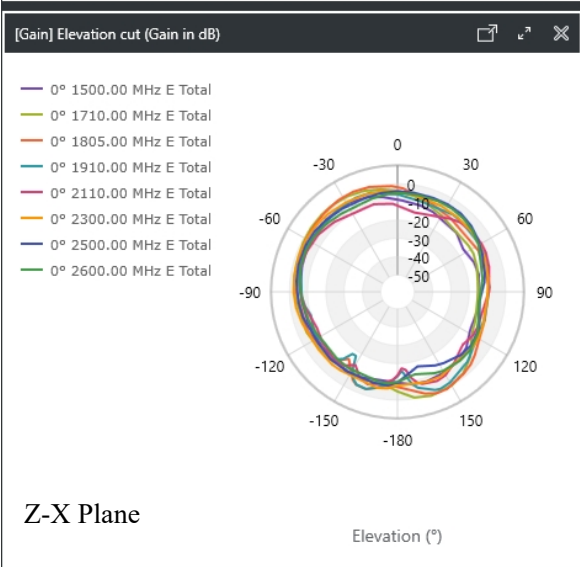


X-Y Plane

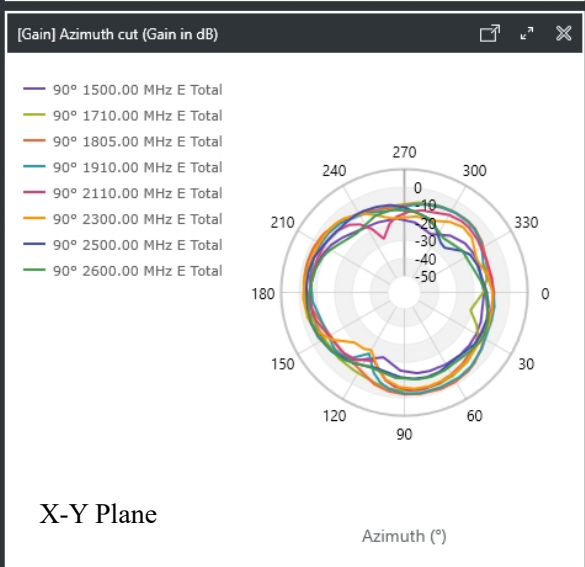
2D Radiation Pattern Ant1



Z-Y Plane

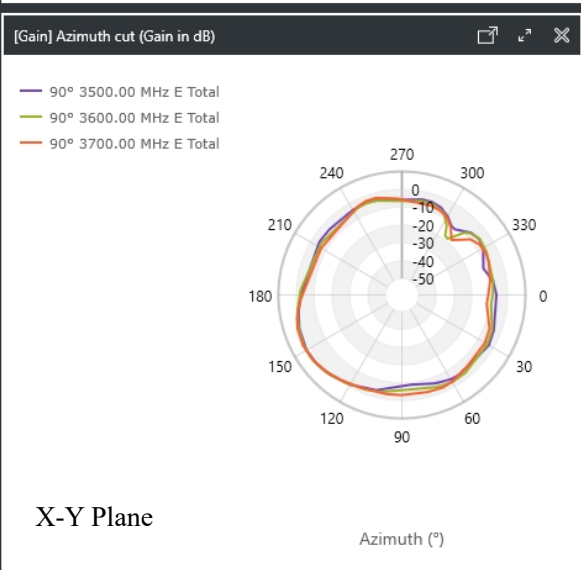
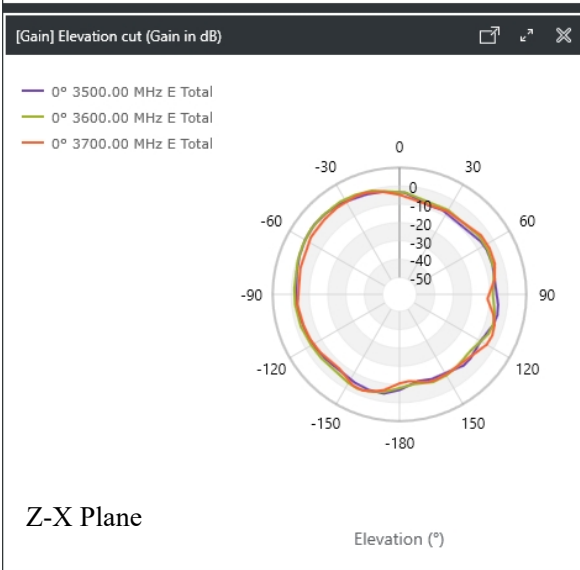
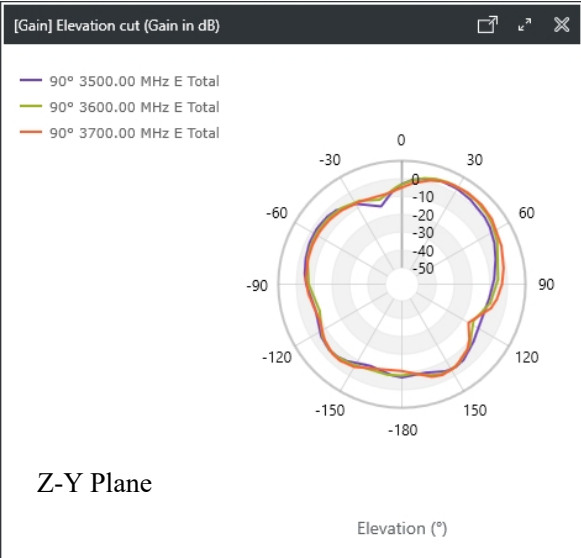


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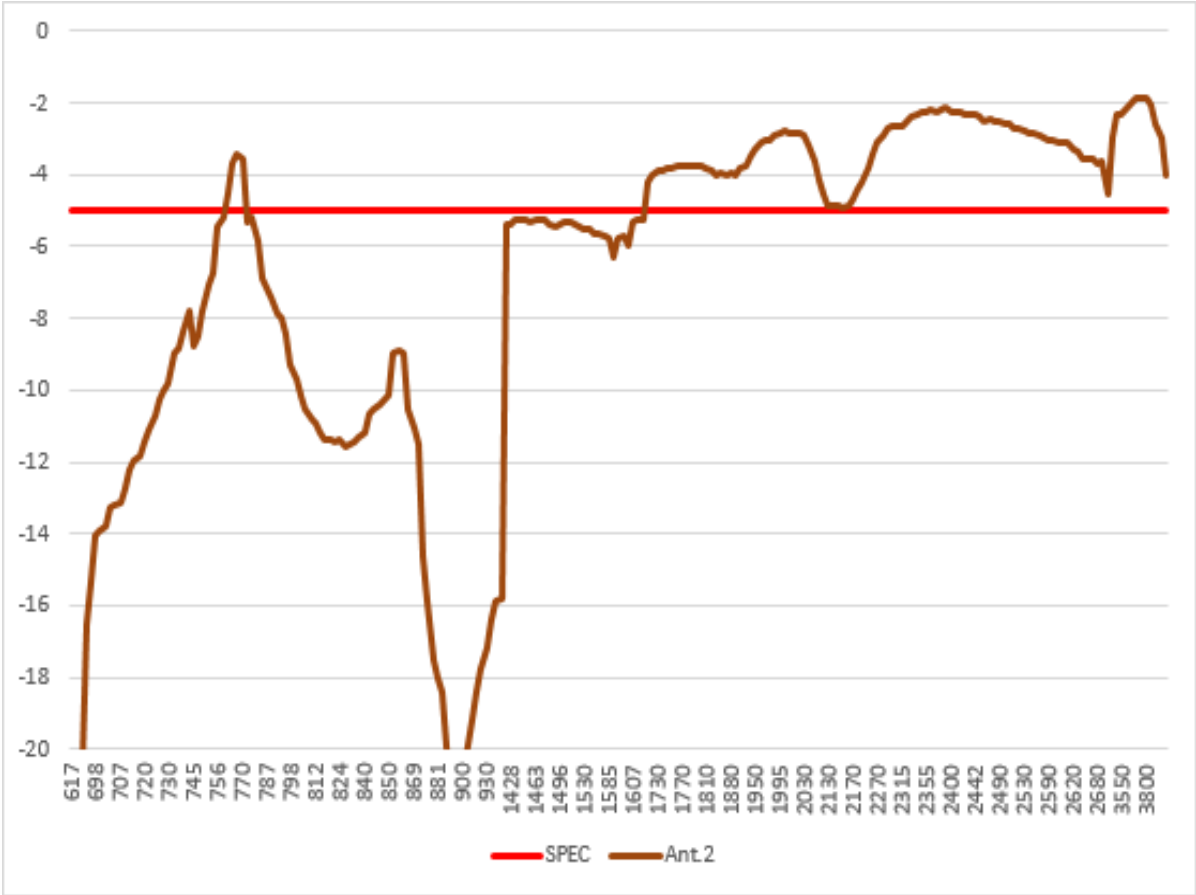
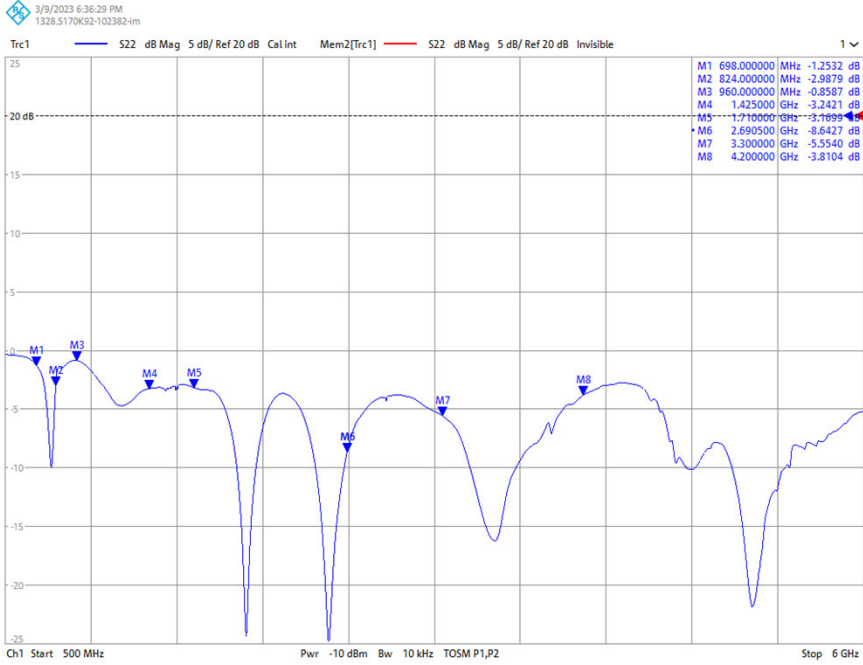


X-Y Plane

2D Radiation Pattern_Ant1



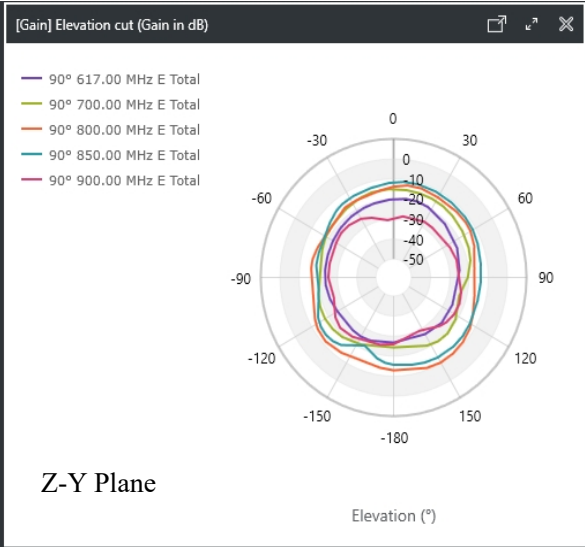
VSWR & Gain Table_Ant2



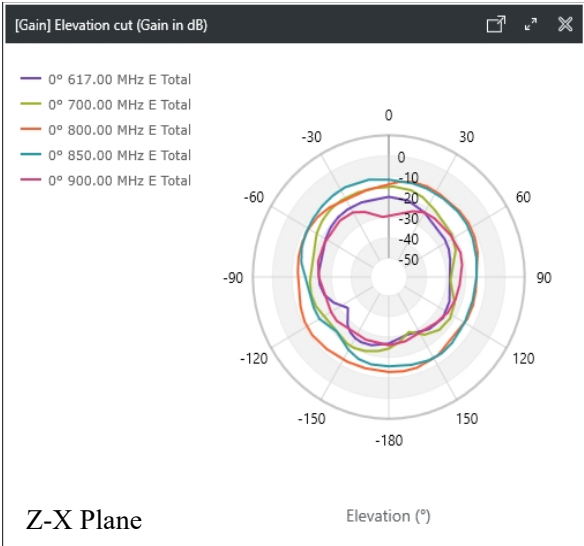
Antenna Performace Ant2

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Peak EIRP(dBi)
617	-23.95	0.40	-19.19
700	-13.8	4.17	-14.62
800	-9.71	10.69	-9.60
850	-10.11	9.75	-9.32
900	-20.89	0.81	-20.56
1500	-5.35	29.17	-0.83
1710	-4.05	39.36	-0.37
1805	-3.75	42.17	0.18
1910	-3.79	41.78	0.51
2110	-4.55	35.08	-0.06
2300	-2.71	53.58	2.58
2500	-2.57	55.34	2.40
2600	-3.13	48.64	1.99
3500	-2.32	58.61	2.81
3600	-2.12	61.38	2.52
3700	-1.86	65.16	2.86

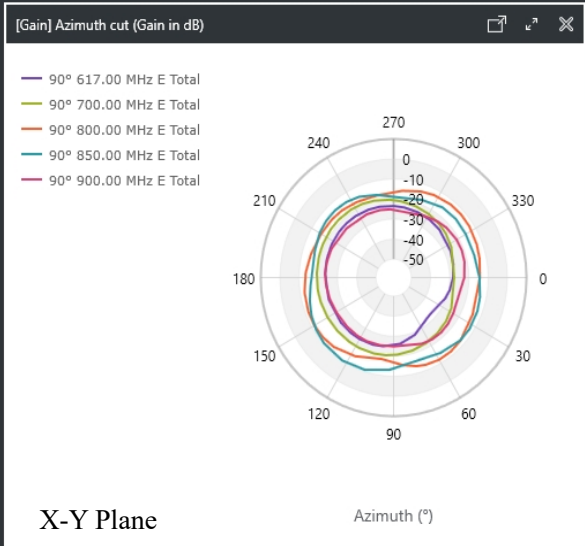
2D Radiation Pattern_Ant2



Z-Y Plane

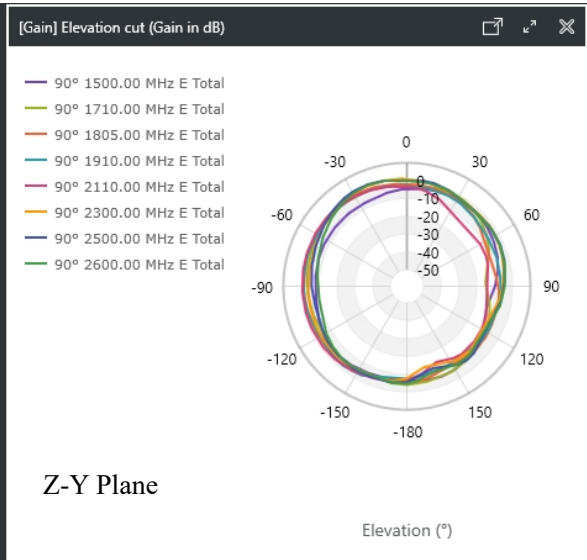


Z-X Plane

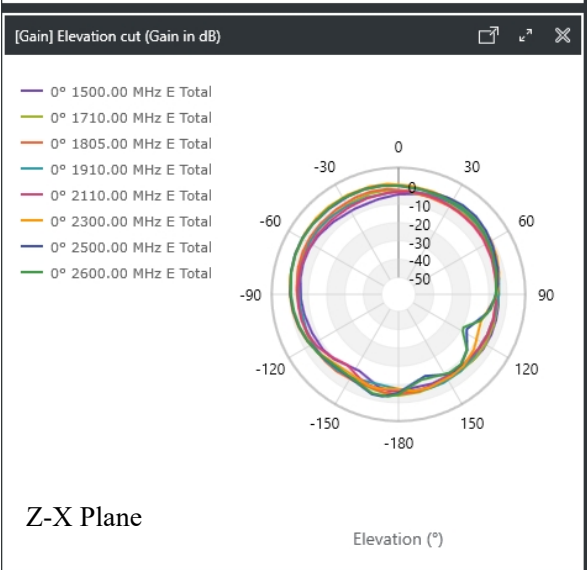


X-Y Plane

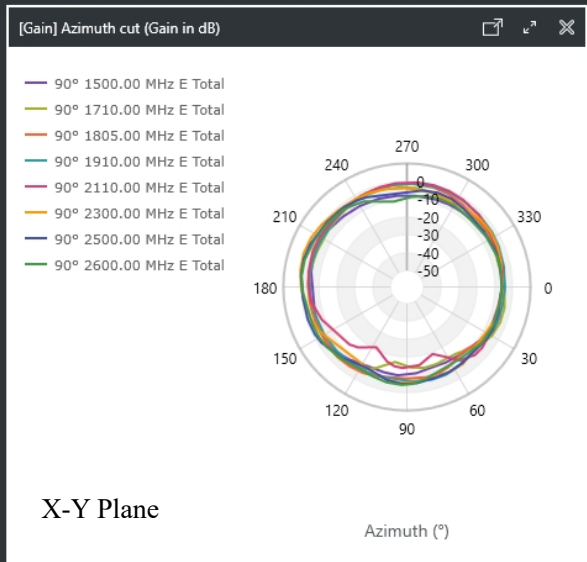
2D Radiation Pattern Ant2



Z-Y Plane

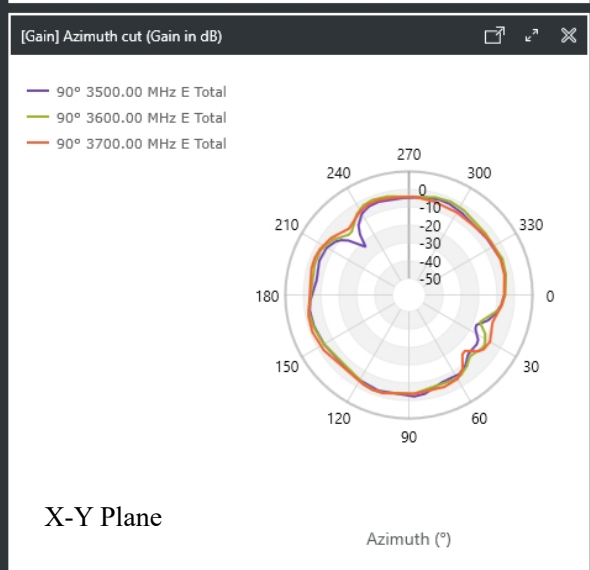
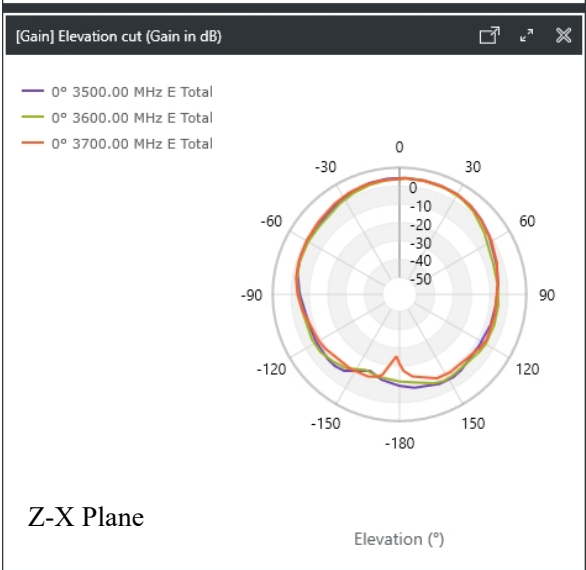
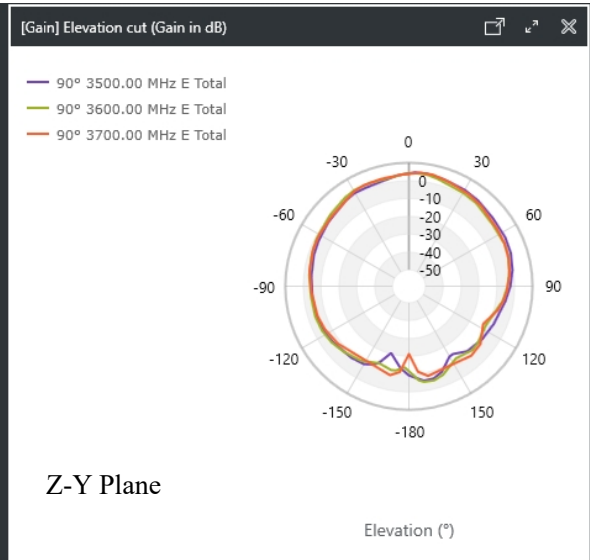


Z-X Plane

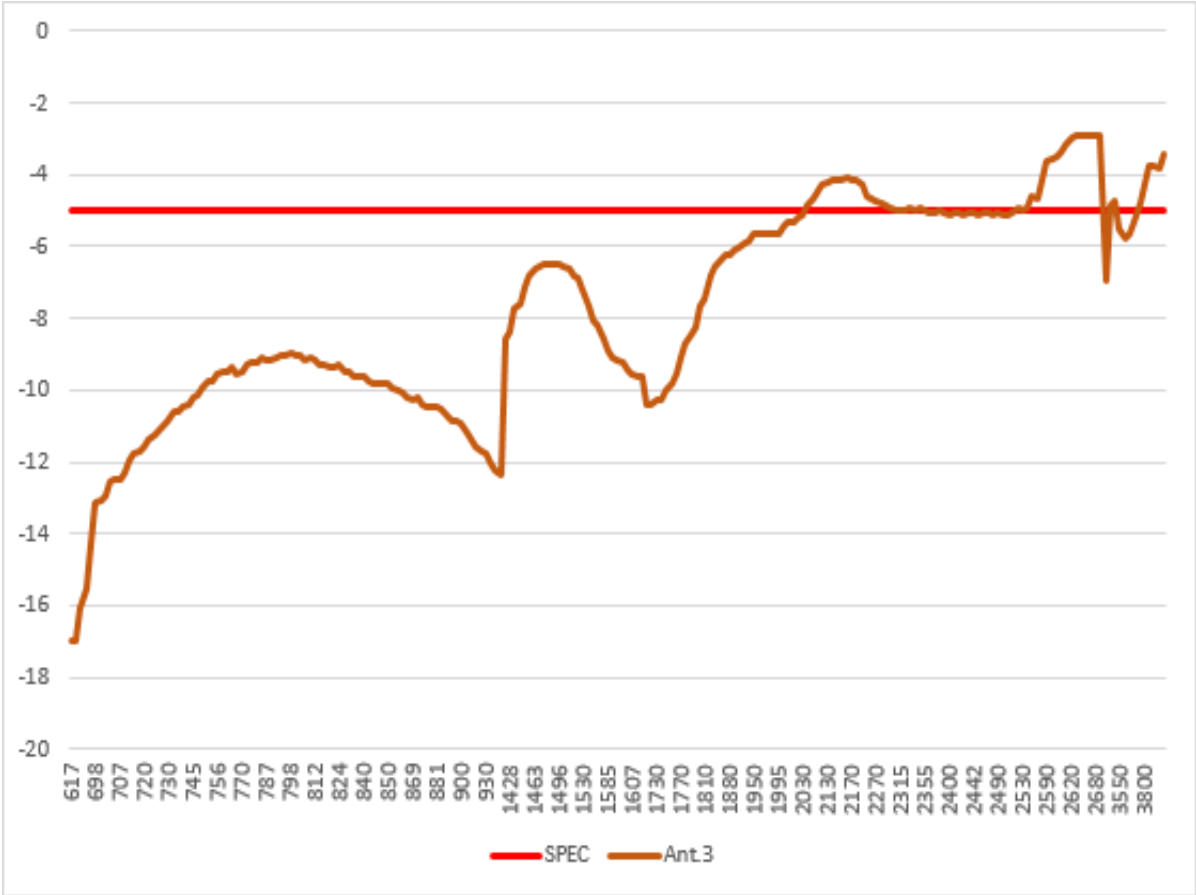
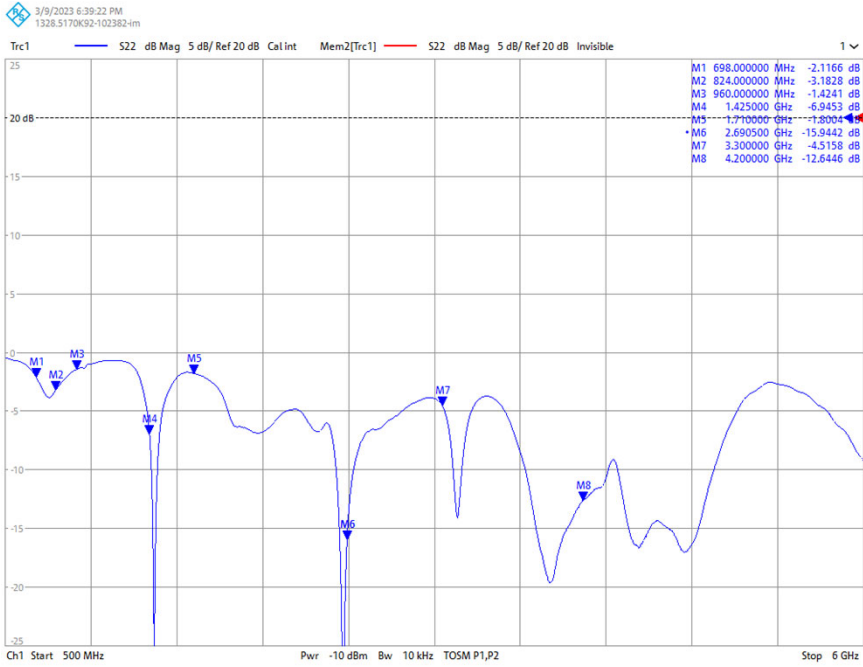


X-Y Plane

2D Radiation Pattern_Ant2



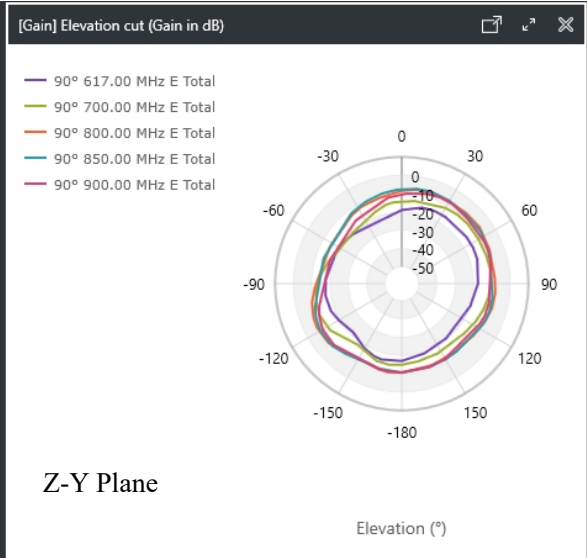
VSWR & Gain Table_Ant3



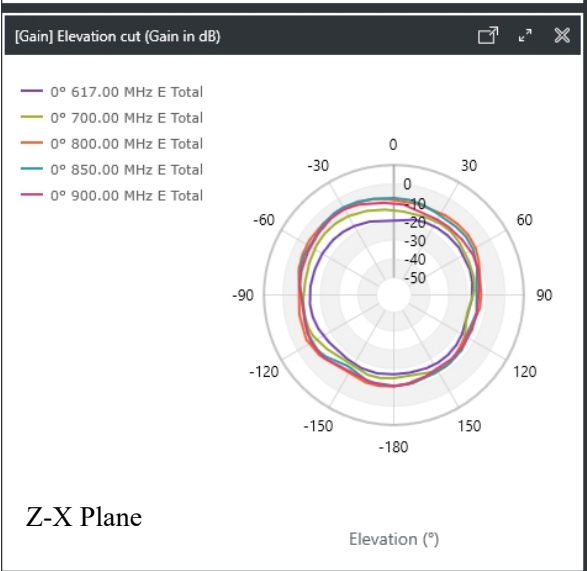
Antenna Performace Ant3

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Peak EIRP(dBi)
617	-17.01	1.99	-13.49
700	-12.95	5.07	-8.72
800	-9.05	12.45	-4.98
850	-9.83	10.40	-5.20
900	-10.9	8.13	-5.78
1500	-6.58	21.98	-1.23
1710	-10.37	9.18	-4.11
1805	-7.65	17.18	-1.50
1910	-6.04	24.89	0.18
2110	-4.27	37.41	-0.16
2300	-4.85	32.73	0.75
2500	-5.14	30.62	0.97
2600	-3.35	46.24	1.57
3500	-4.71	33.81	1.00
3600	-5.76	26.55	1.14
3700	-5.29	29.58	1.18

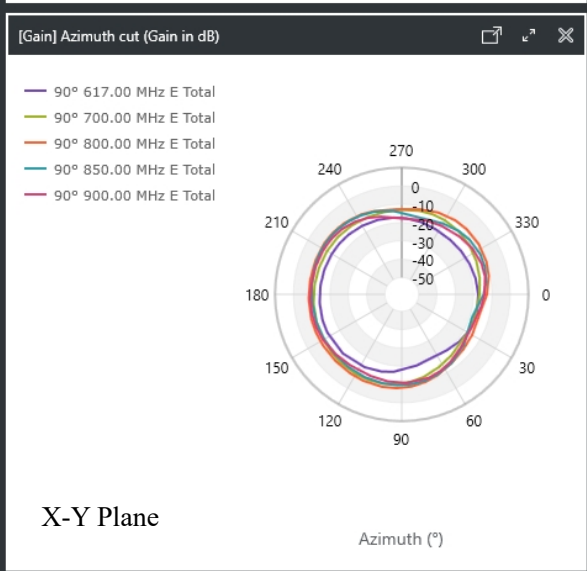
2D Radiation Pattern Ant3



Z-Y Plane

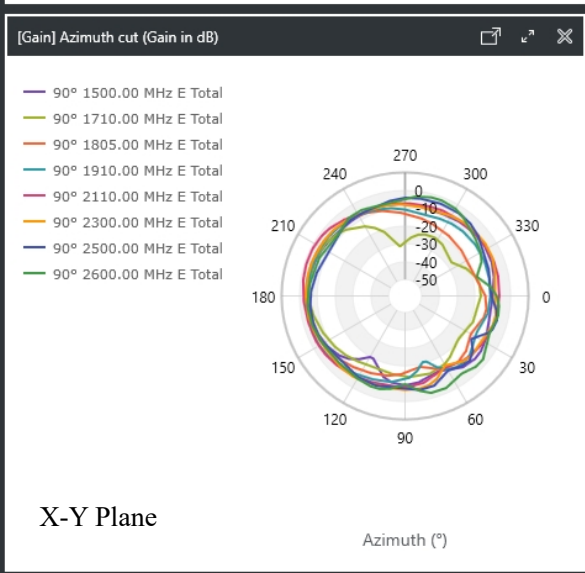
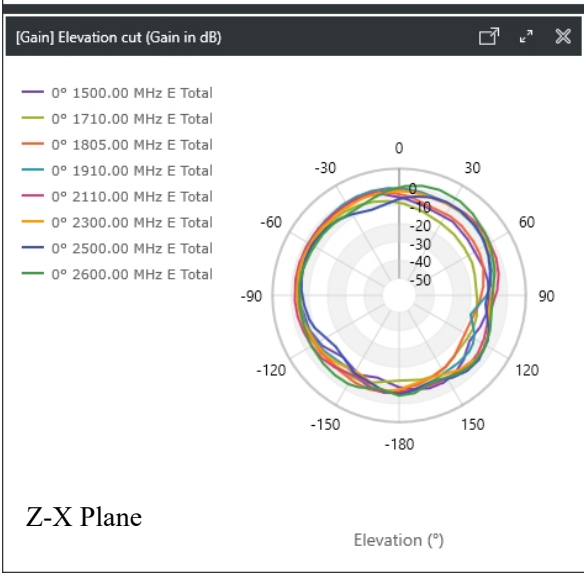
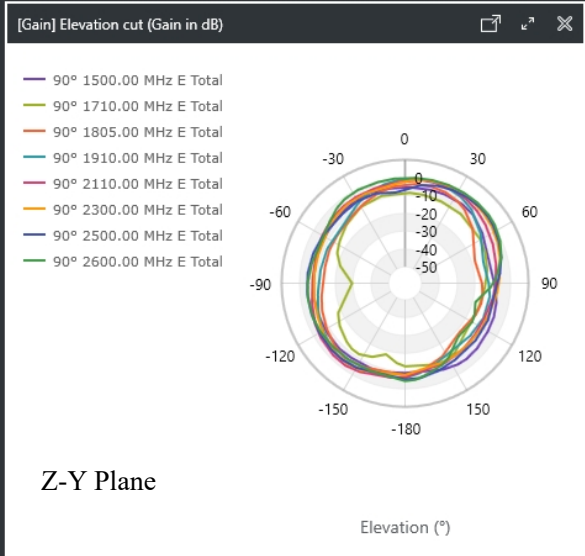


Z-X Plane

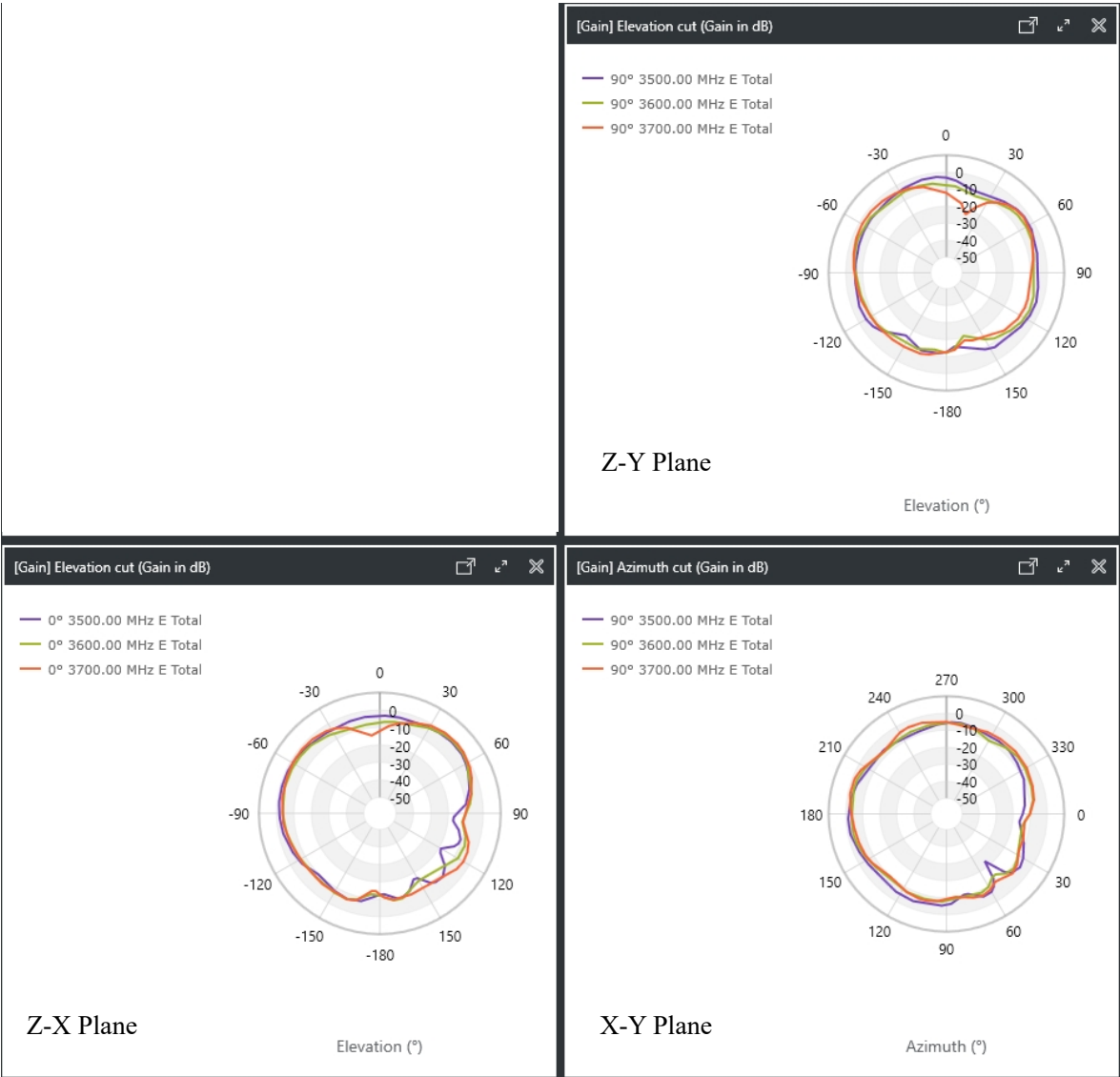


X-Y Plane

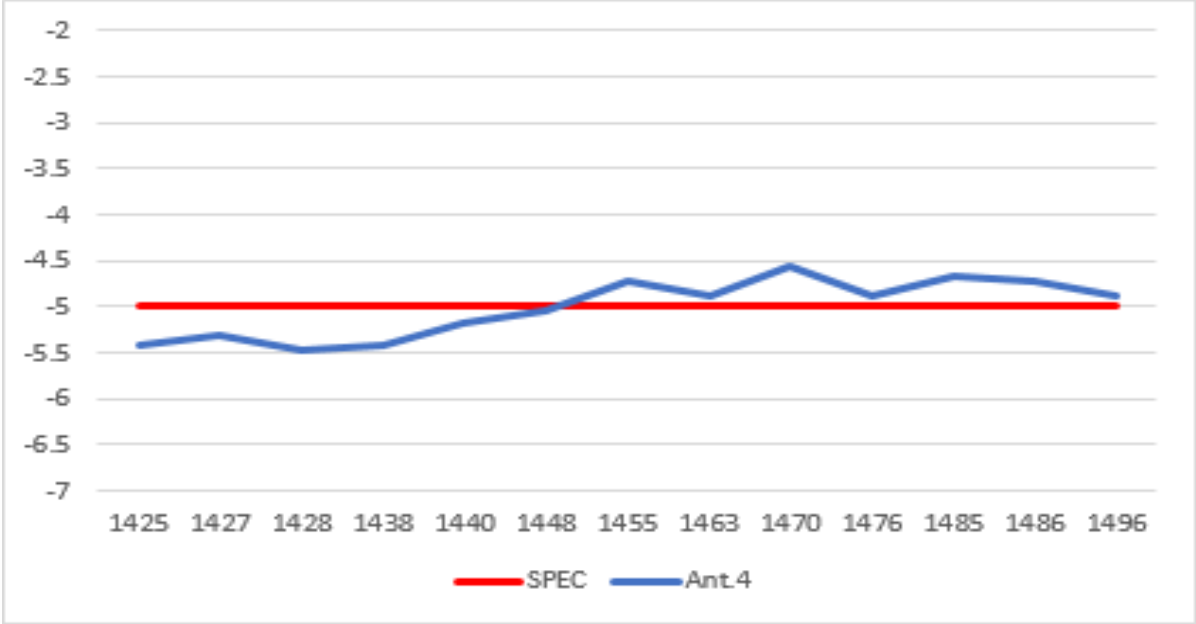
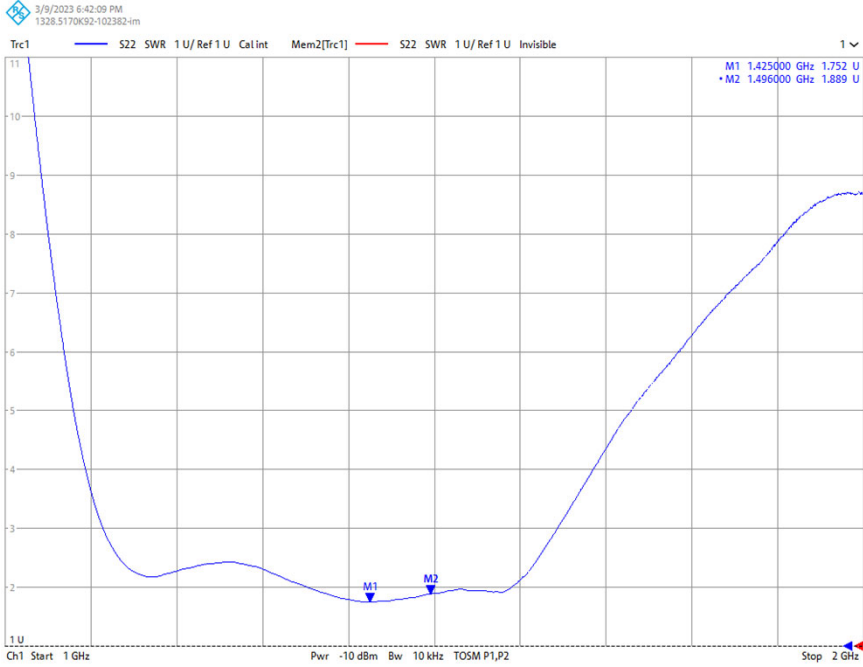
2D Radiation Pattern Ant3



2D Radiation Pattern Ant3



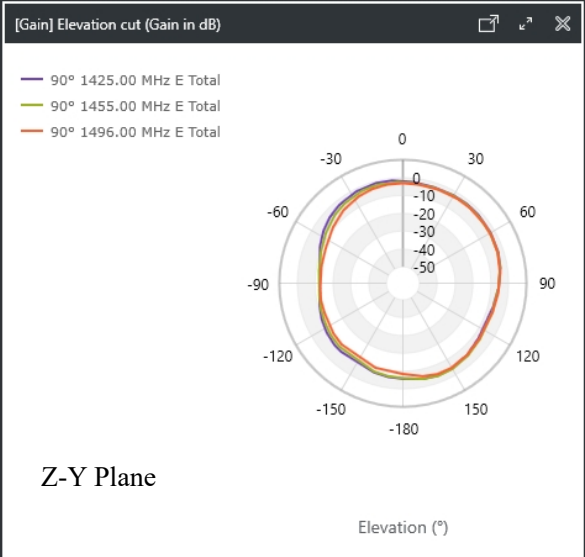
VSWR & Gain Table_Ant4



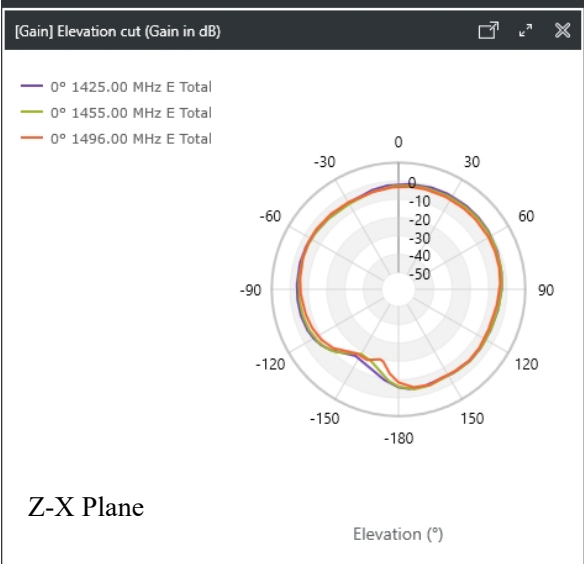
Antenna Performace Ant4

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Peak EIRP(dBi)
1425	-5.42	28.71	-0.17
1455	-4.73	33.65	-0.86
1496	-4.88	32.51	-2.23

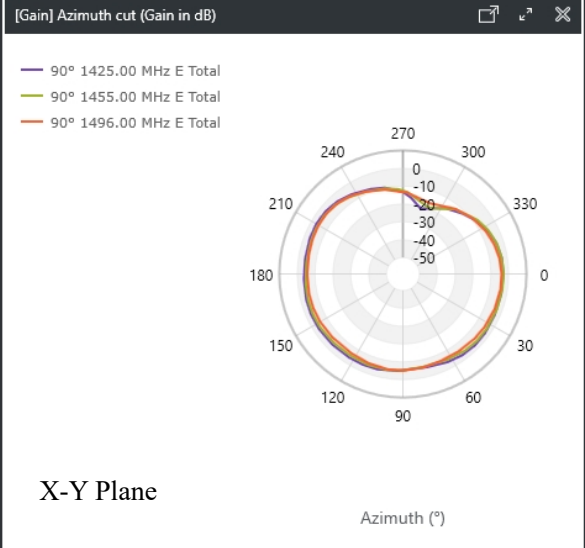
2D Radiation Pattern_Ant4



Z-Y Plane

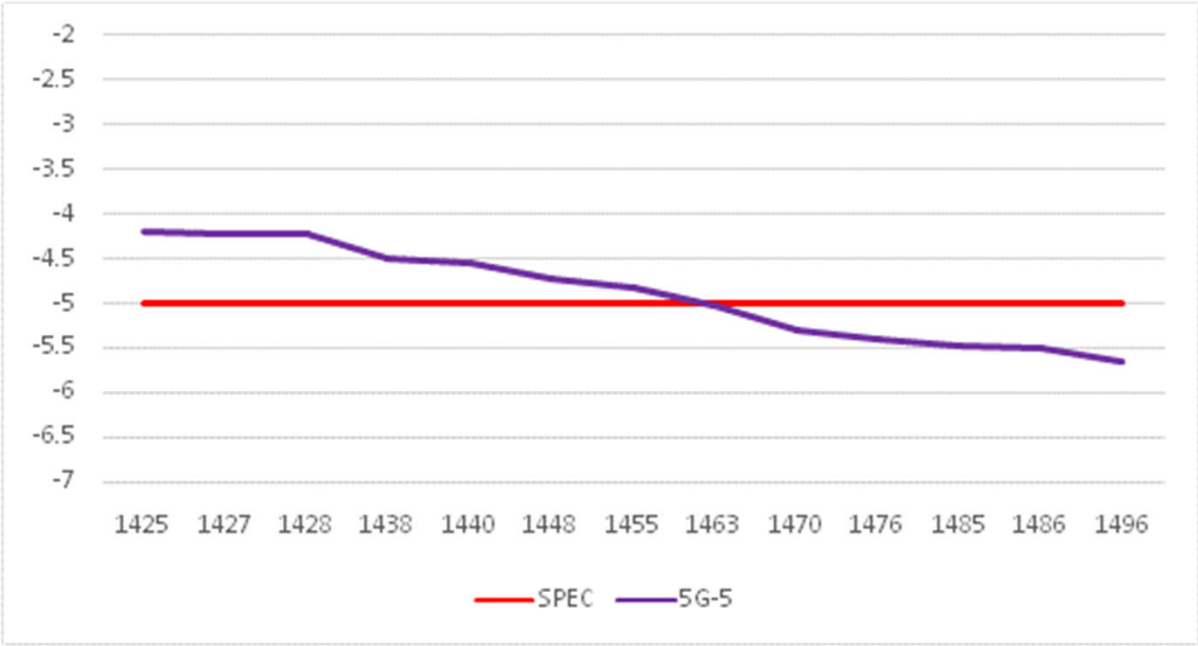
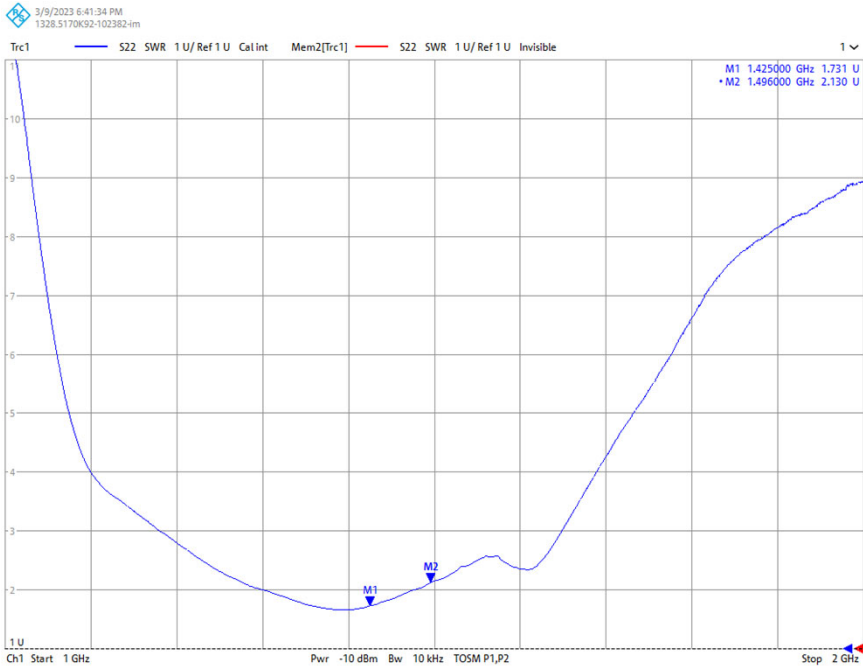


Z-X Plane



X-Y Plane

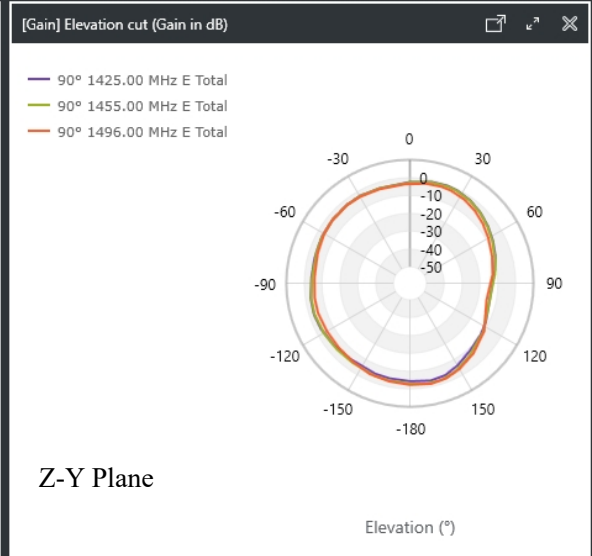
VSWR & Gain Table_Ant5



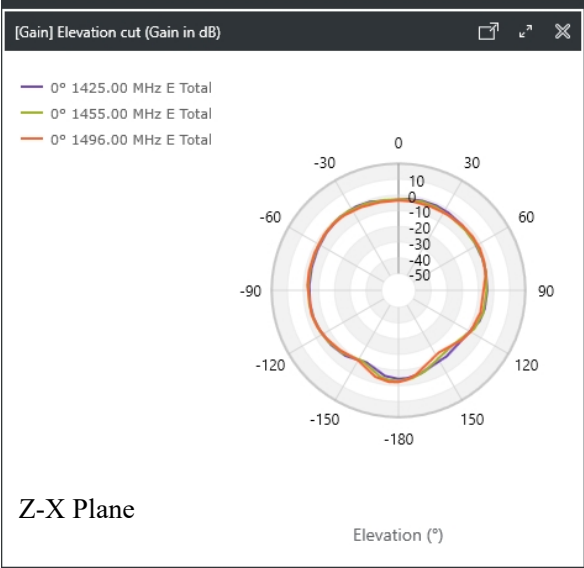
Antenna Performace Ant5

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Peak EIRP(dBi)
1425	-4.20	38.02	-0.01
1455	-4.83	32.89	-0.11
1496	-5.65	27.23	-1.02

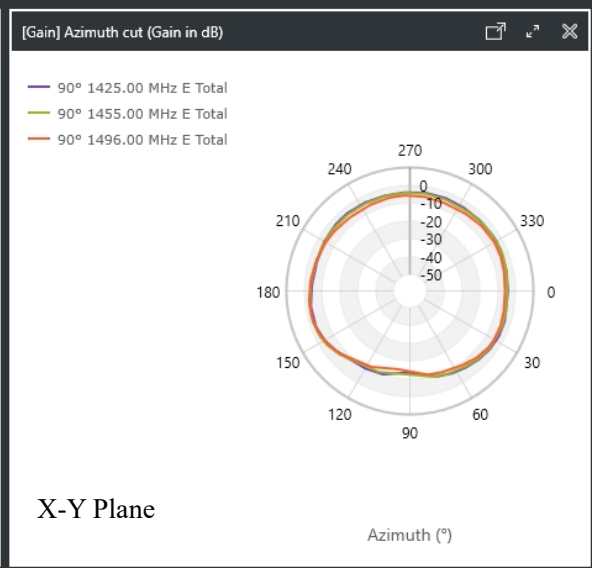
2D Radiation Pattern_Ant5



Z-Y Plane



Z-X Plane



X-Y Plane



THANK YOU