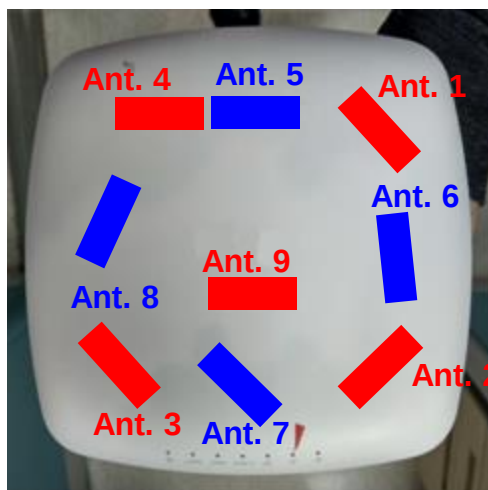


MW06_MW07

Antenna Spec

2023.06.19

Antenna placement and peak gain



Antenna No.	1	2	3	4	5	6	7	8	9
Frequency (MHz)	2400 - 2500				5150 – 5850				2400-2500/5150-5850
Peak Gain (dBi)	3.81	3.98	3.47	3.75	5.65	5.50	5.84	5.84	2.91/5.14
VSWR	2 : 1								
Connector	IPEX								
Cable Phi (mm)	1.37								
Cable Length (mm)	207	178	79	133	164	86	150	216	143

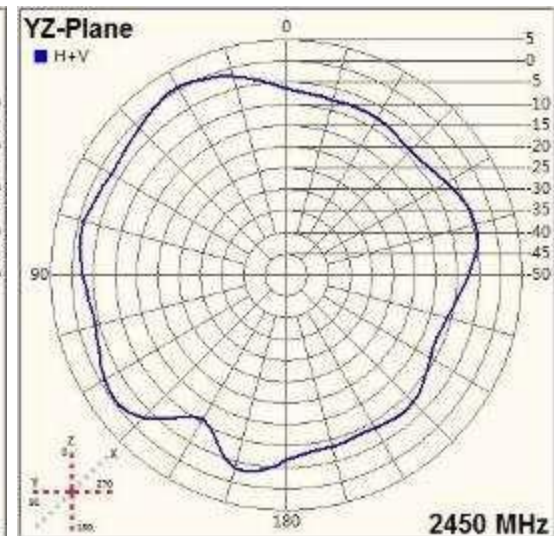
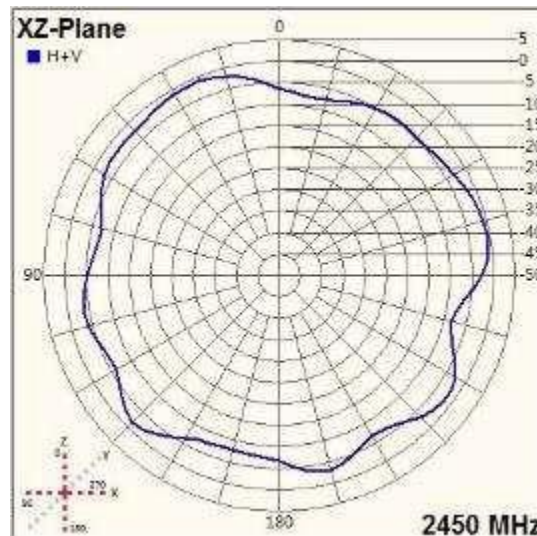
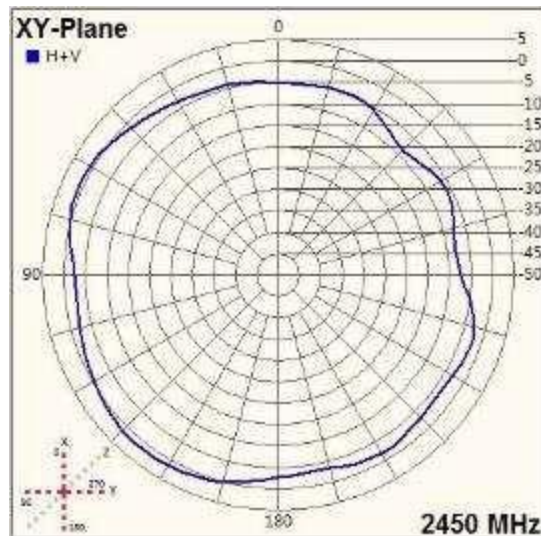
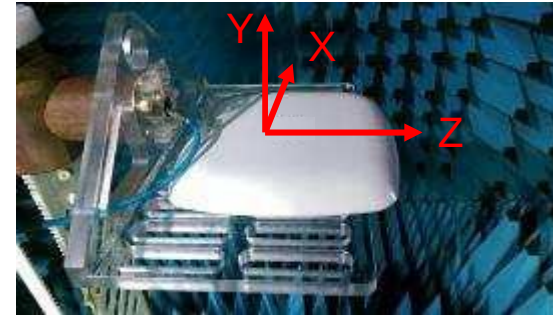
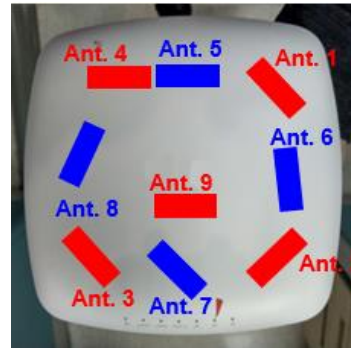
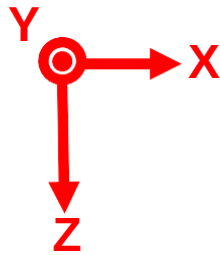
Antenna information

Antenna No.	Model	Antenna type
1	5718A0346300	PIFA
2	5718A0347300	PIFA
3	5718A0348300	PIFA
4	5718A0349300	PIFA
5	5718A0350300	PIFA
6	5718A0351300	PIFA
7	5718A0352300	PIFA
8	5718A0353300	PIFA
9	5718A0643300	PIFA

Manufactory : Senao Networks, Inc.

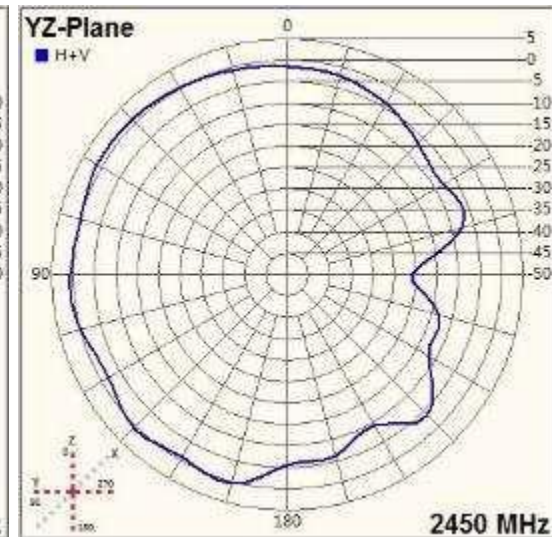
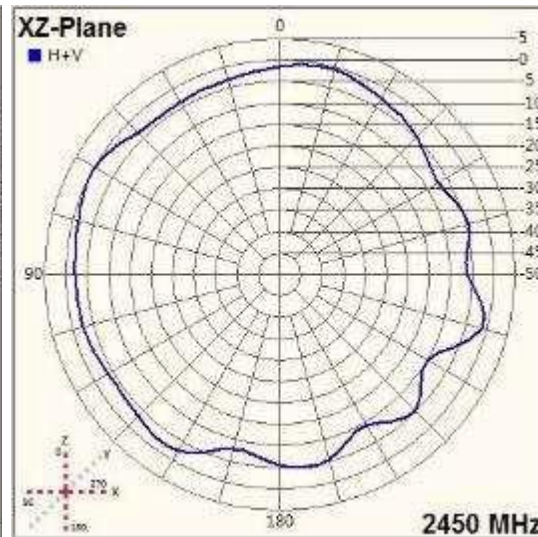
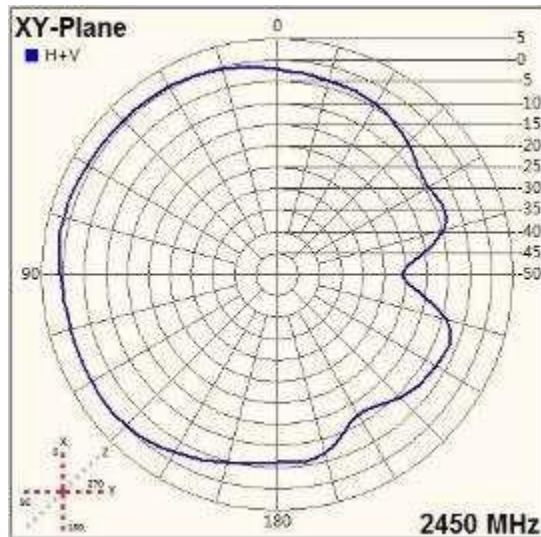
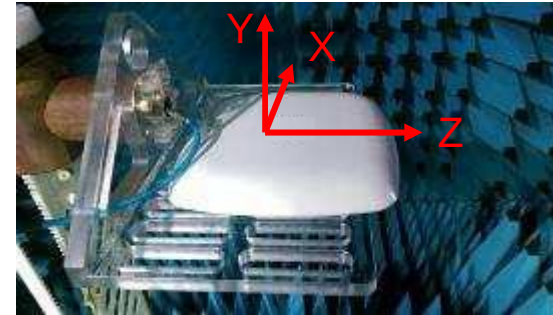
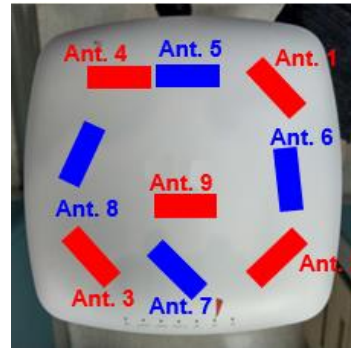
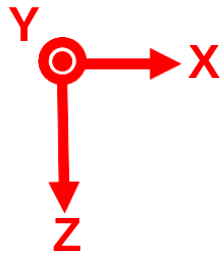
Add : No.500, Fuxing 3rd Rd., Guishan Dist., Taoyuan City 333001, Taiwan

Ant.1 2D Gain Pattern @ 2.45GHz



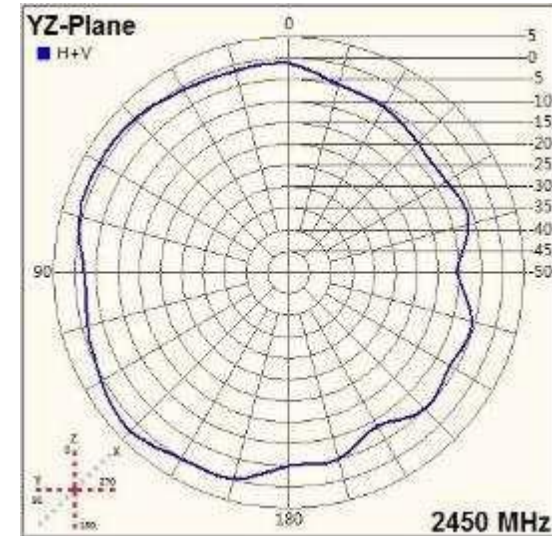
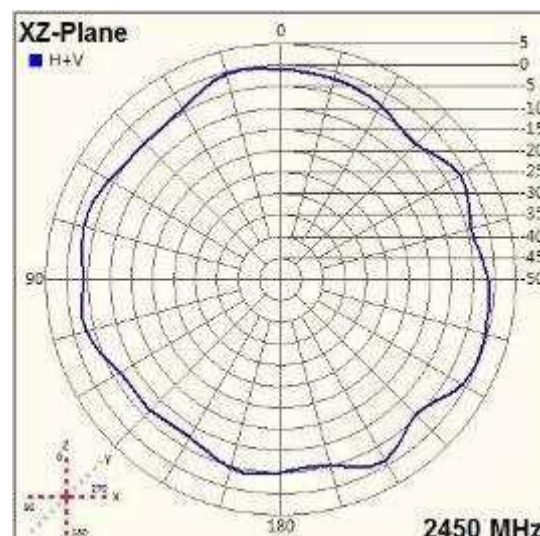
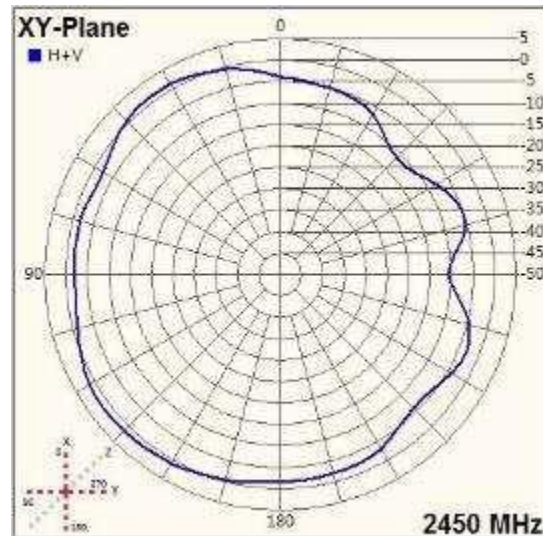
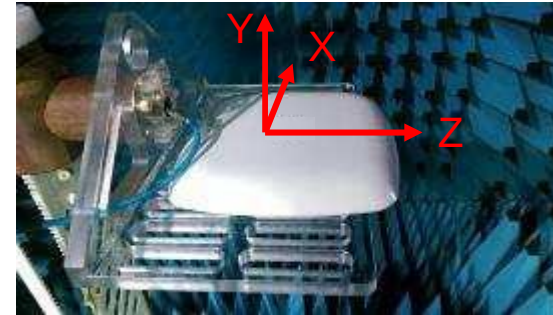
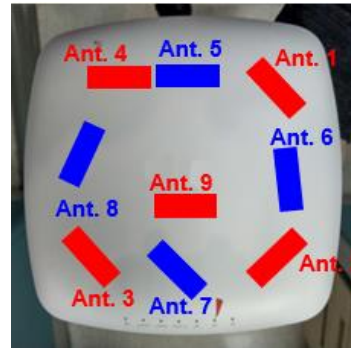
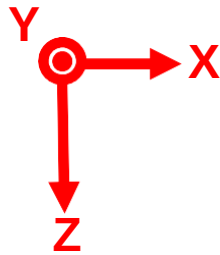
Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-2.10	-2.38	-2.18
Efficiency (%)	61.62	57.79	60.50
Gain (dBi)	2.86	2.67	3.81

Ant.2 2D Gain Pattern @ 2.45GHz



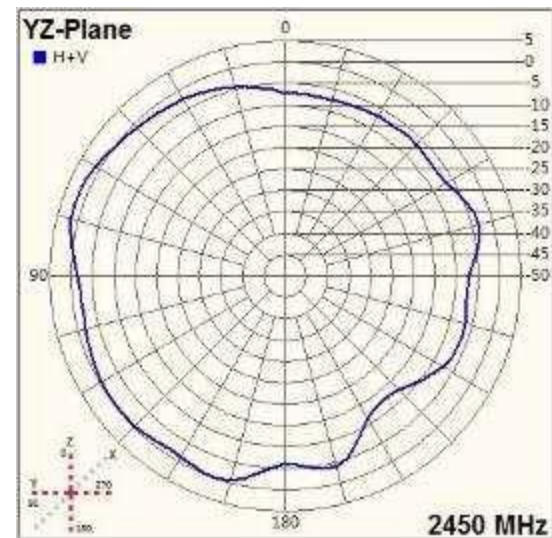
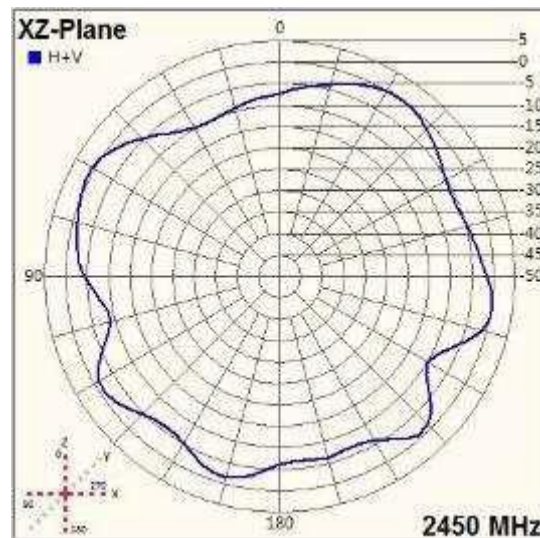
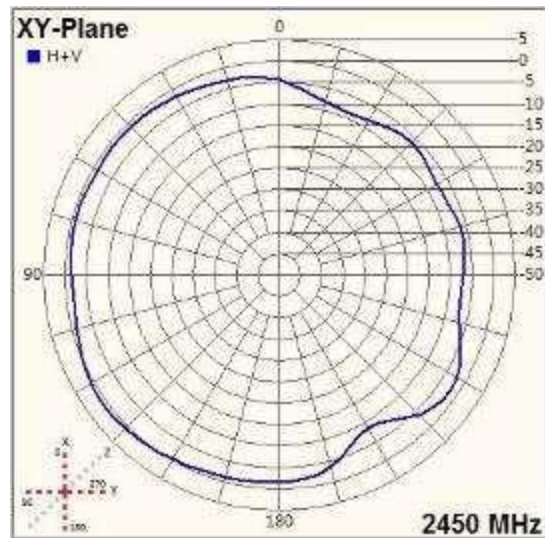
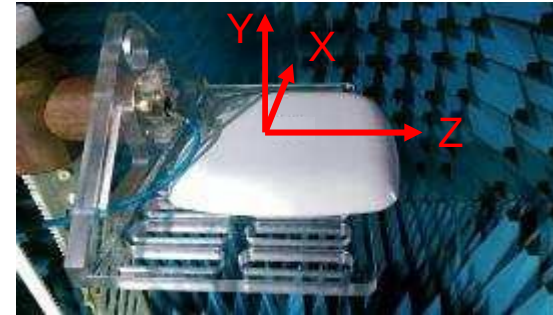
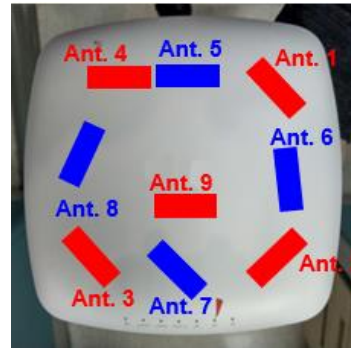
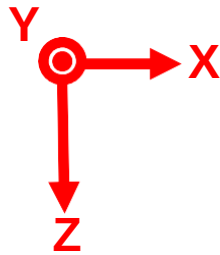
Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-2.52	-2.05	-0.78
Efficiency (%)	55.94	62.38	83.64
Gain (dBi)	2.44	3.12	3.98

Ant.3 2D Gain Pattern @ 2.45GHz



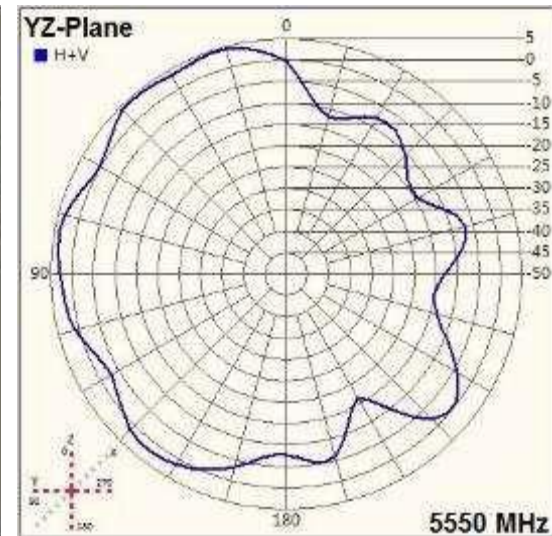
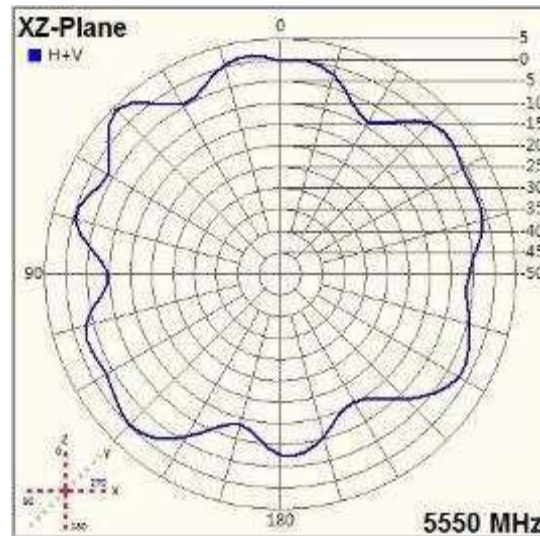
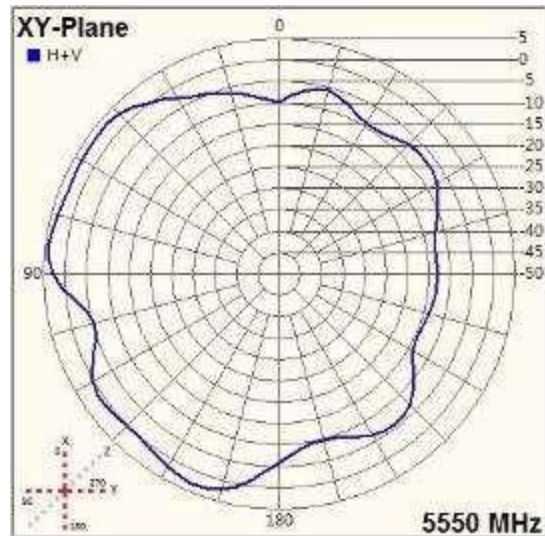
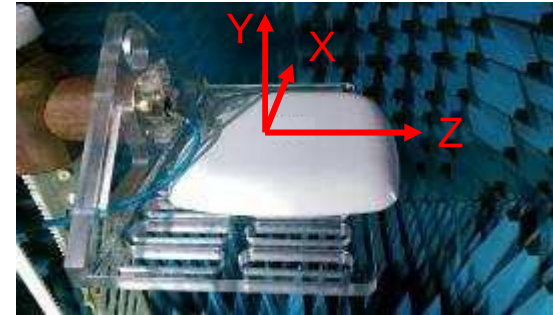
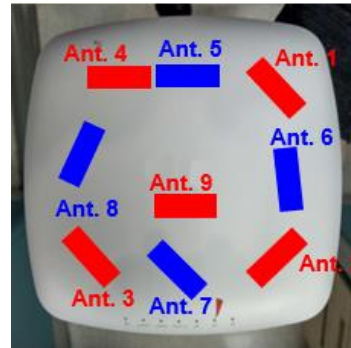
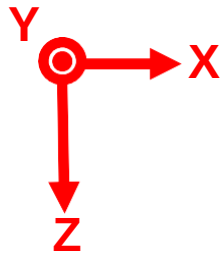
Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-1.94	-1.67	-0.92
Efficiency (%)	64.05	68.14	80.92
Gain (dBi)	2.90	3.14	3.47

Ant.4 2D Gain Pattern @ 2.45GHz



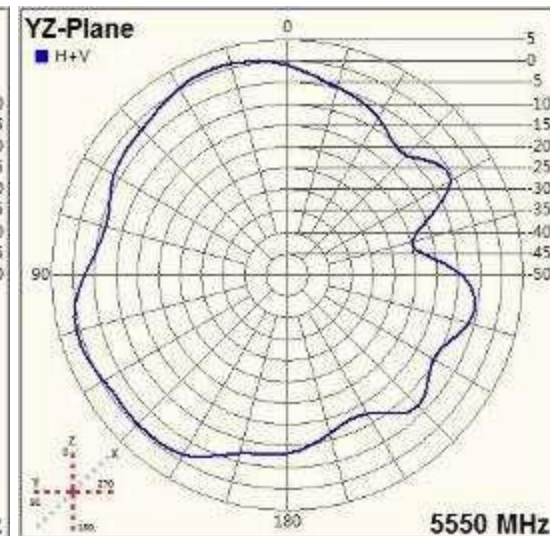
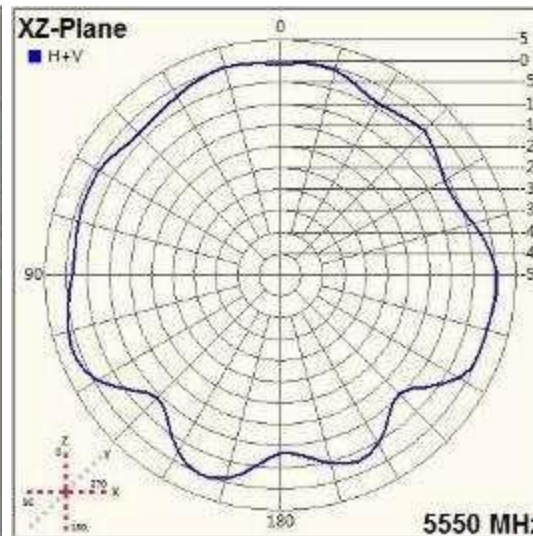
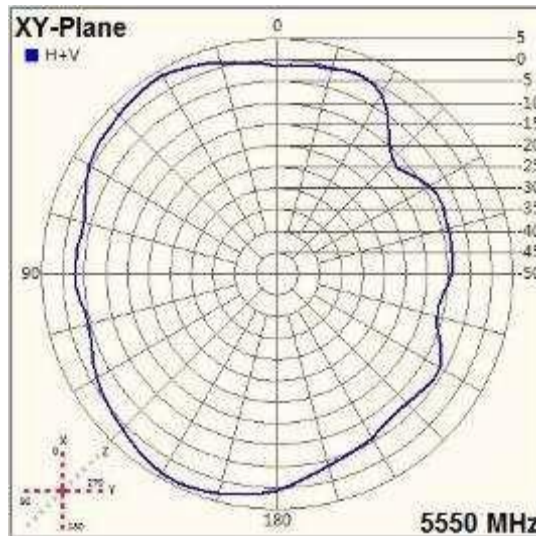
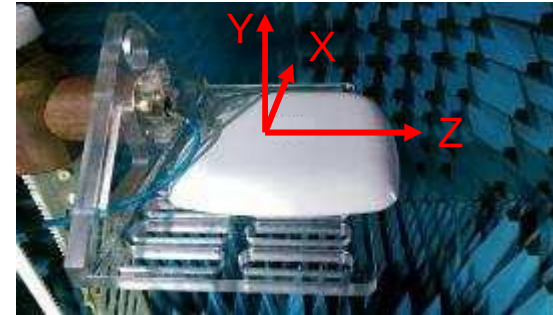
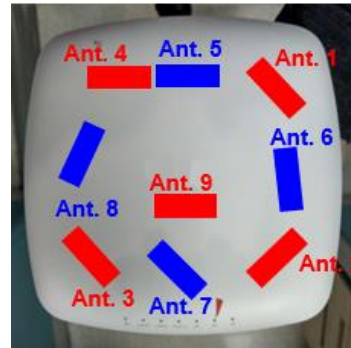
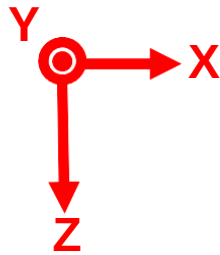
Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-2.05	-2.02	-1.50
Efficiency (%)	62.43	62.87	70.83
Gain (dBi)	3.23	3.29	3.75

Ant.5 2D Gain Pattern @ 5.55GHz



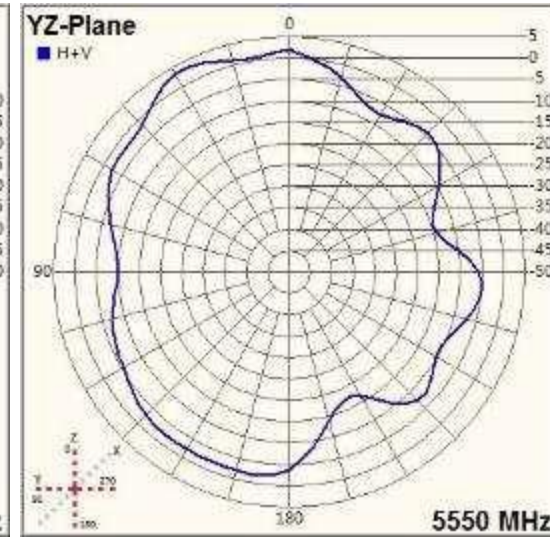
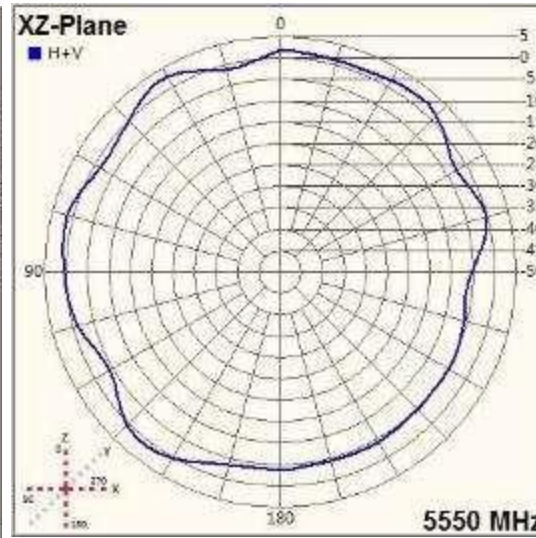
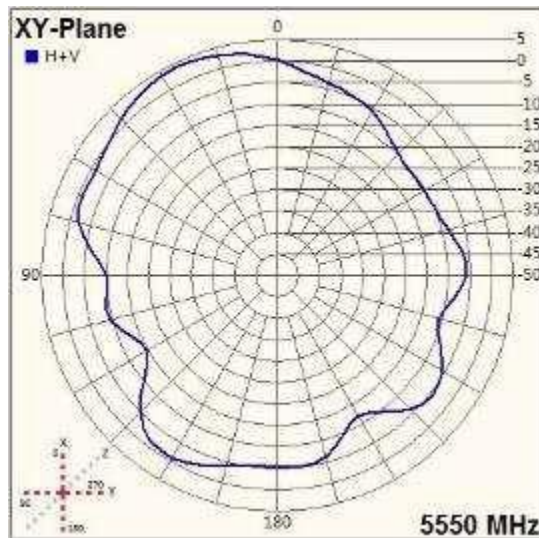
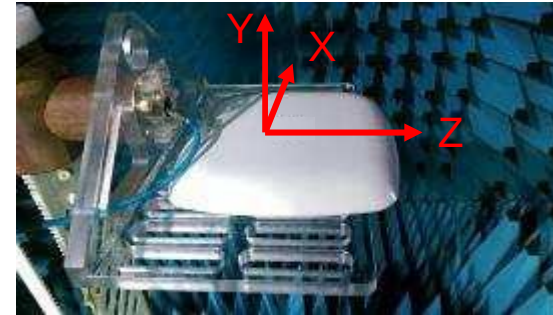
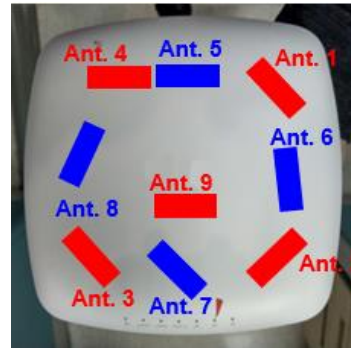
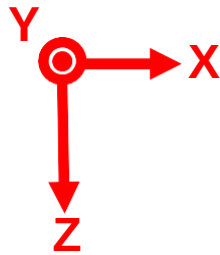
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Efficiency (dB)	-1.75	-1.81	-2.25	-1.03	-1.03	-1.52	-1.68	-1.46
Efficiency (%)	66.85	65.94	59.53	78.84	78.82	70.50	67.97	71.52
Gain (dBi)	4.78	4.54	3.61	5.42	5.65	4.41	5.07	5.01

Ant.6 2D Gain Pattern @ 5.55GHz



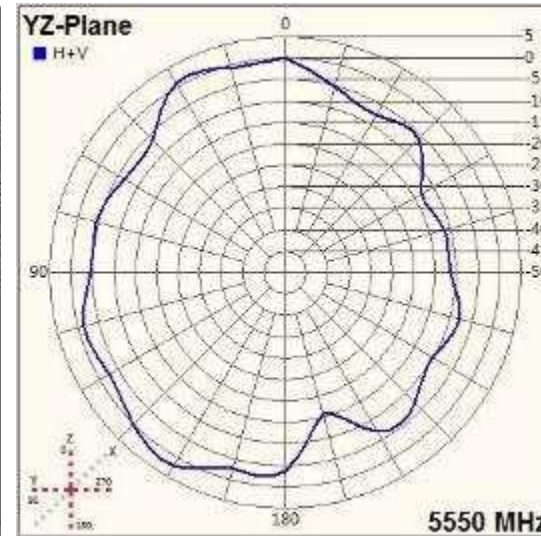
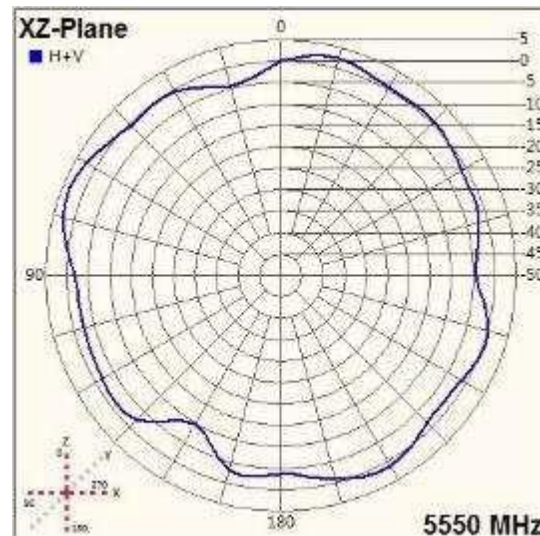
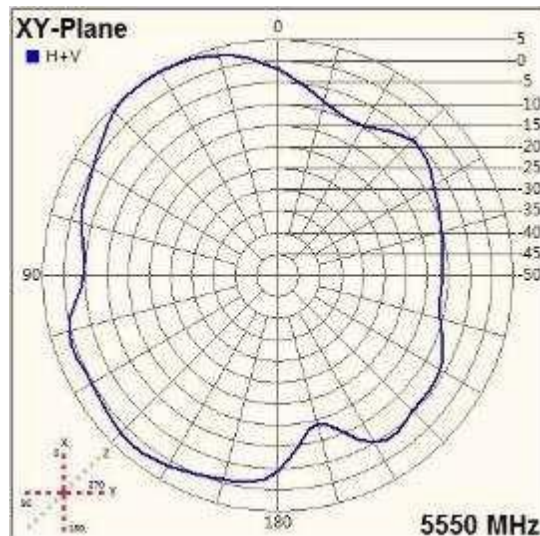
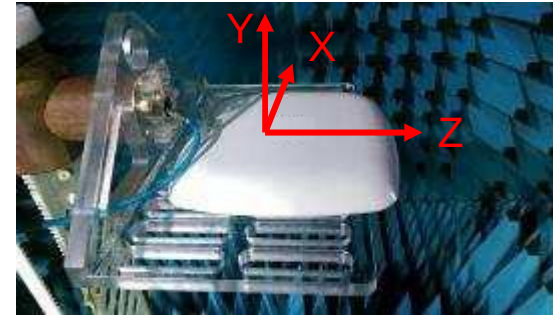
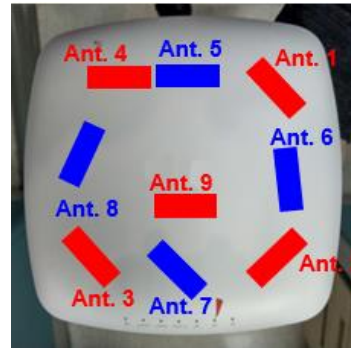
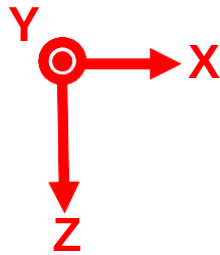
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Efficiency (dB)	-1.39	-1.45	-2.16	-1.36	-1.26	-1.74	-1.56	-1.35
Efficiency (%)	72.58	71.56	60.78	73.12	74.81	66.97	69.77	73.21
Gain (dBi)	3.69	4.61	3.64	4.36	4.59	3.64	4.81	5.50

Ant.7 2D Gain Pattern @ 5.55GHz



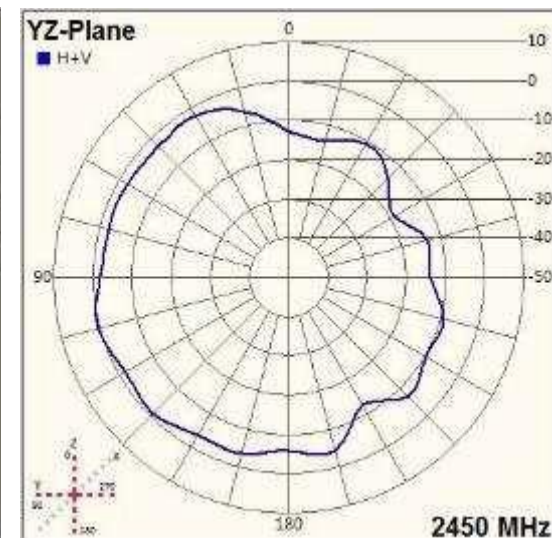
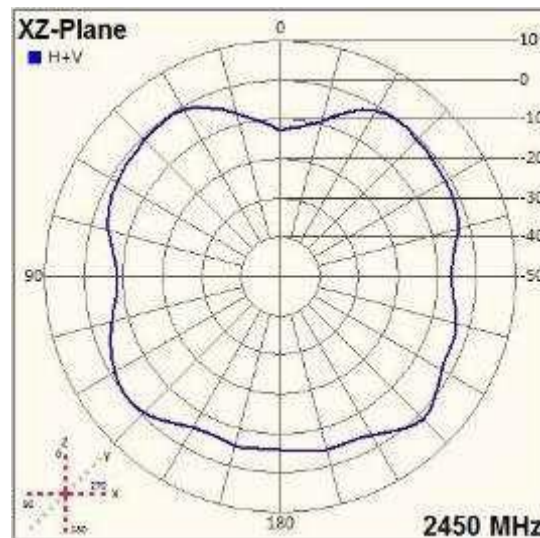
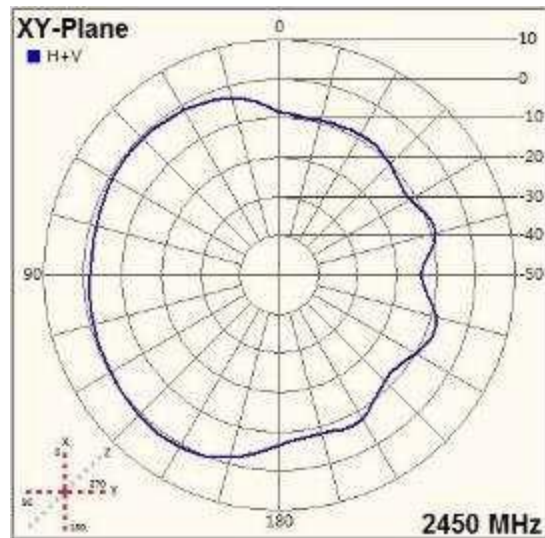
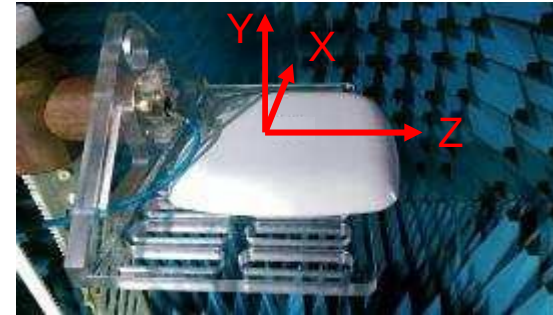
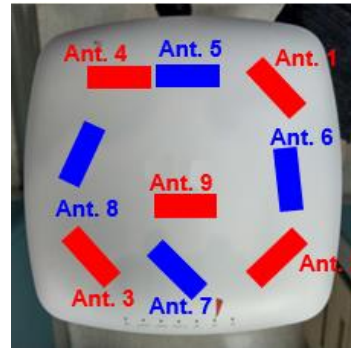
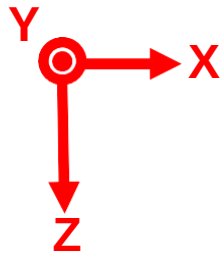
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Efficiency (dB)	-1.29	-1.12	-1.62	-0.48	-0.34	-1.22	-1.46	-0.79
Efficiency (%)	74.27	77.34	68.84	89.45	92.56	75.58	71.51	83.38
Gain (dBi)	4.31	4.25	3.90	5.47	5.84	5.20	4.96	5.36

Ant.8 2D Gain Pattern @ 5.55GHz



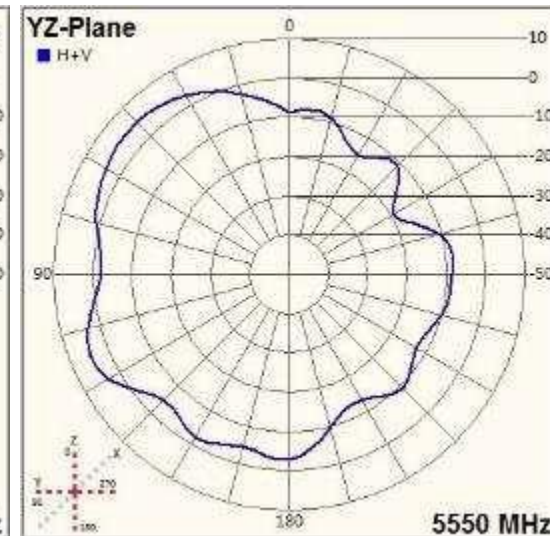
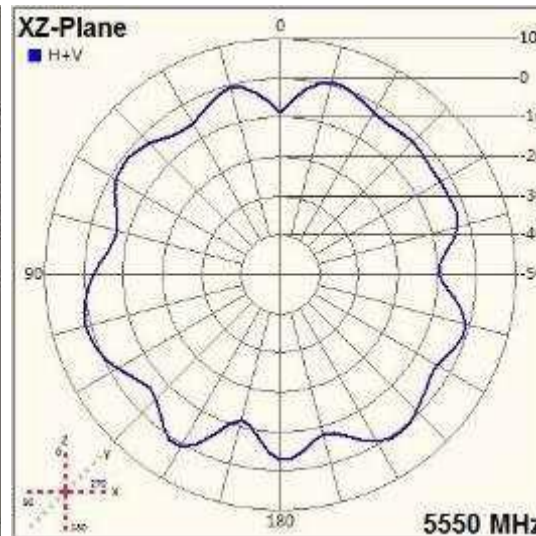
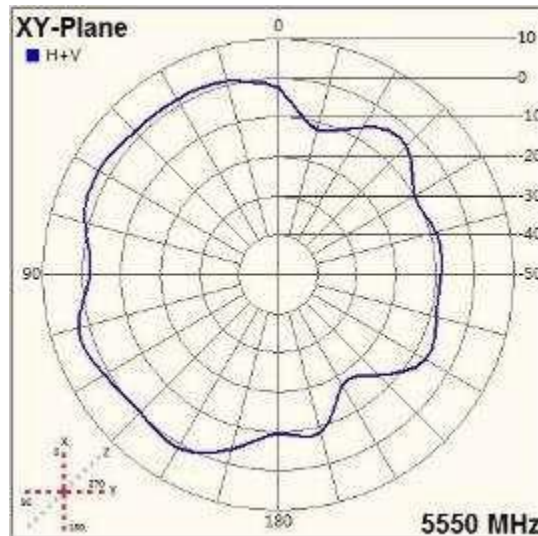
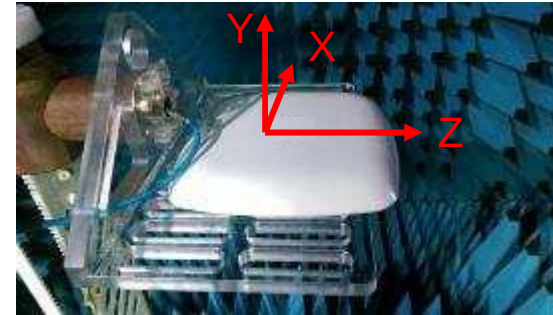
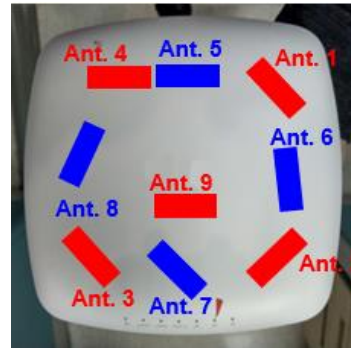
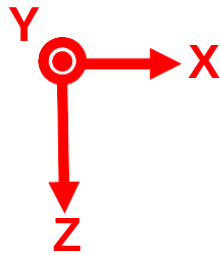
Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Efficiency (dB)	-2.24	-1.76	-2.01	-0.81	-0.38	-1.02	-1.00	-0.47
Efficiency (%)	59.75	66.76	62.94	83.04	91.66	79.09	79.36	89.75
Gain (dBi)	3.66	4.15	3.57	5.33	4.98	4.75	4.70	5.84

Ant.9 2D Gain Pattern @ 2.45GHz



Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-2.62	-2.52	-1.79
Efficiency (%)	54.72	56.03	66.25
Gain (dBi)	2.56	2.91	2.62

Ant.9 2D Gain Pattern @ 5.55GHz



Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Efficiency (dB)	-1.68	-1.70	-2.30	-1.42	-1.36	-2.32	-3.26	-2.84
Efficiency (%)	67.94	67.60	58.85	72.13	73.19	58.65	47.23	52.00
Gain (dBi)	4.33	4.52	4.22	4.47	5.14	4.74	2.87	3.68