



Antenna Test Report

FAP-112D V0.3

2014.10.20

By Harry



Senao Networks, Inc.



Executive Summary

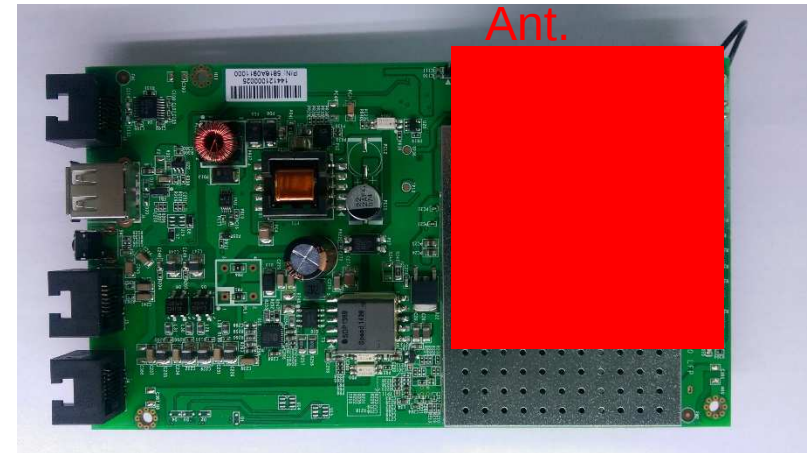
- **Purpose**

Antenna verification for **FAP-112D** device, result as following.

- **Agenda**

- Antenna Placement
- Test Result : VSWR
- Test Result : Antenna Gain Pattern

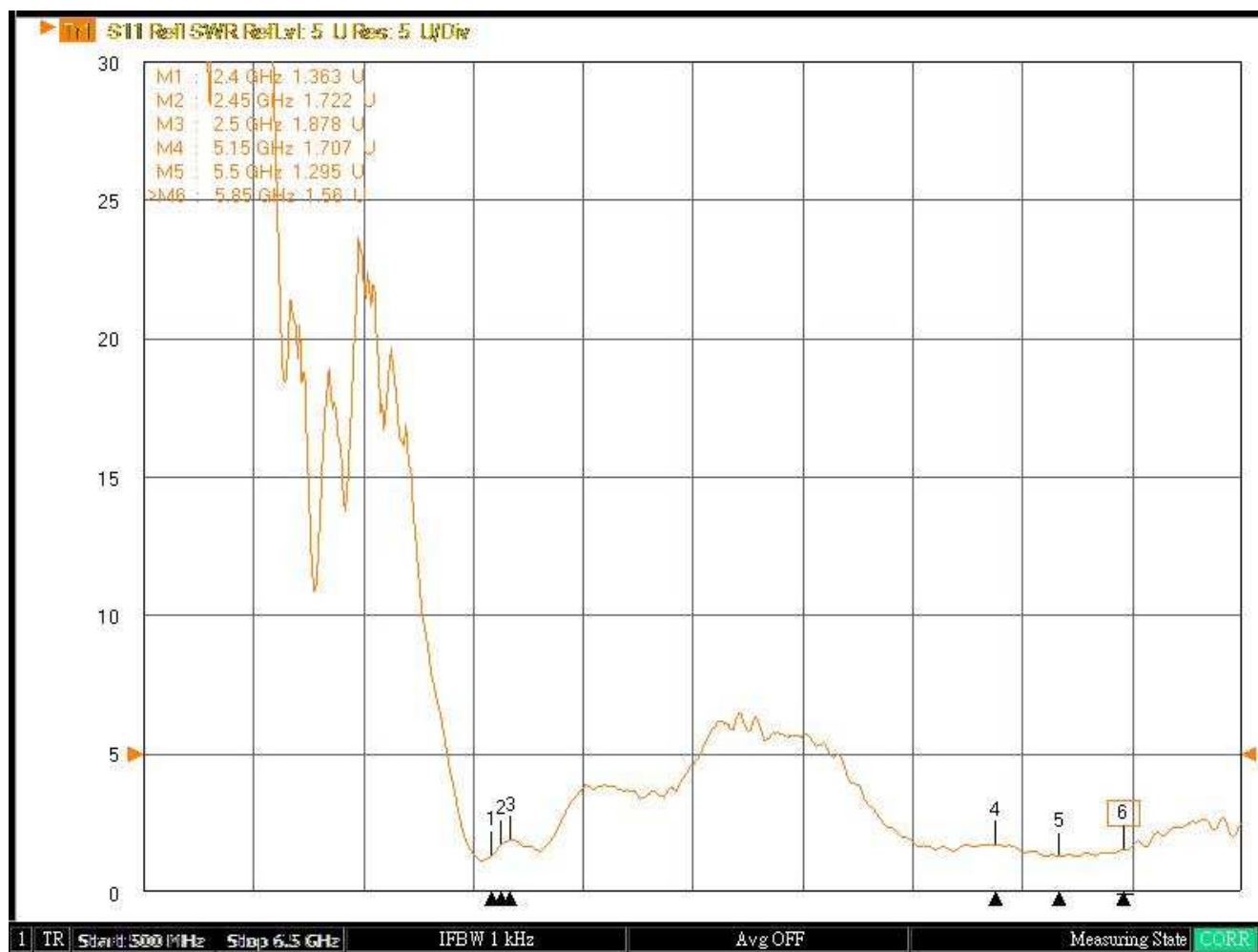
Antenna Placement and Specification



Frequency (MHz)	2400 - 2500	5100 - 5850
Peak Gain (dBi)	6.5	7.5
VSWR	2:1	
Dimension (mm)	54x54.4x0.6	
Connector	IPEX	
Cable Phi (mm)	1.37	
Cable Length (mm)	130	



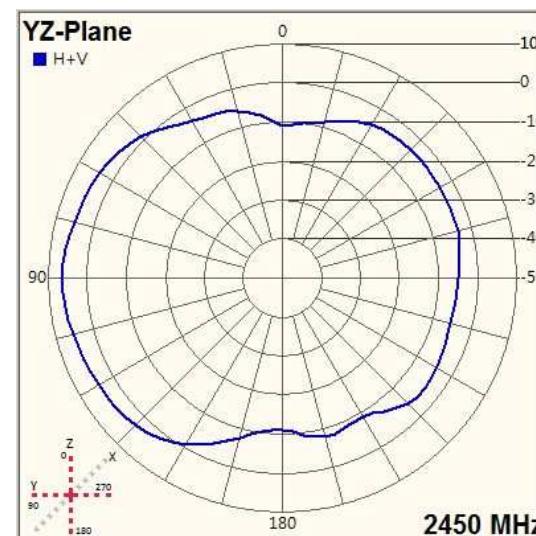
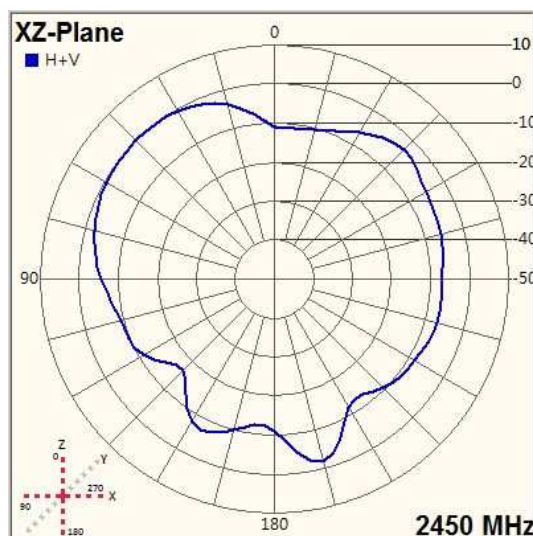
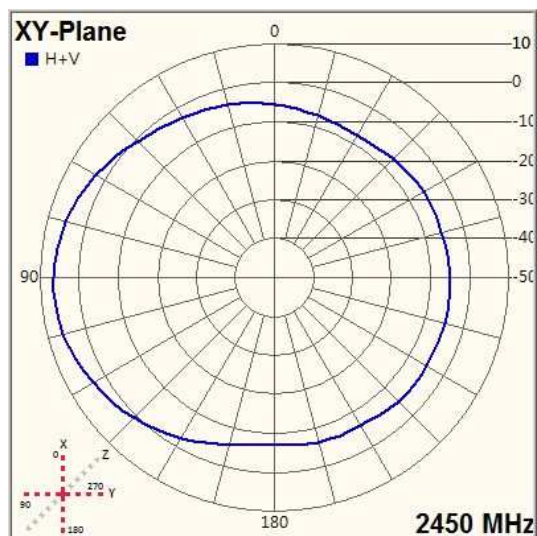
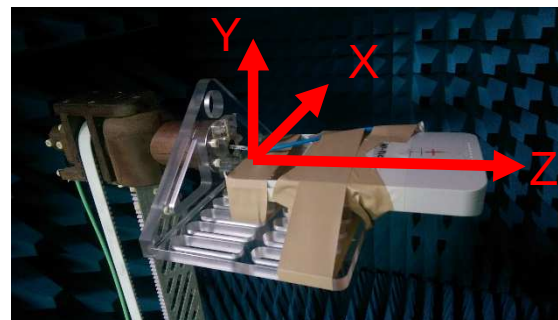
VSWR



Frequency (MHz)	2400	2450	2500	5150	5500	5850
VSWR	1.36	1.72	1.87	1.70	1.29	1.59



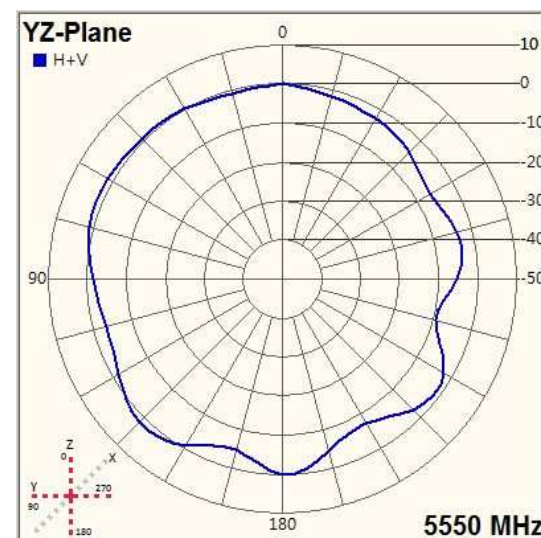
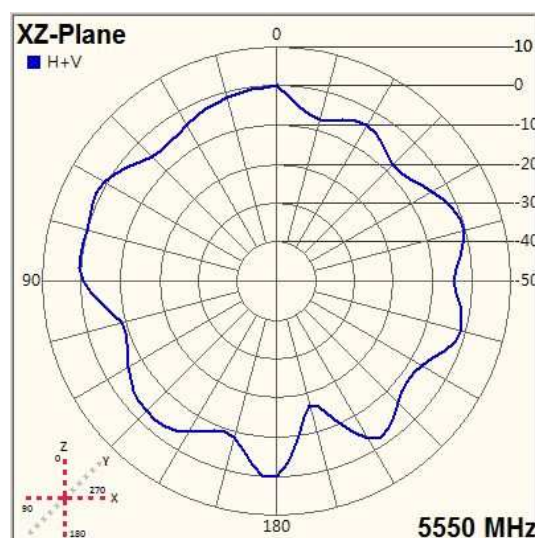
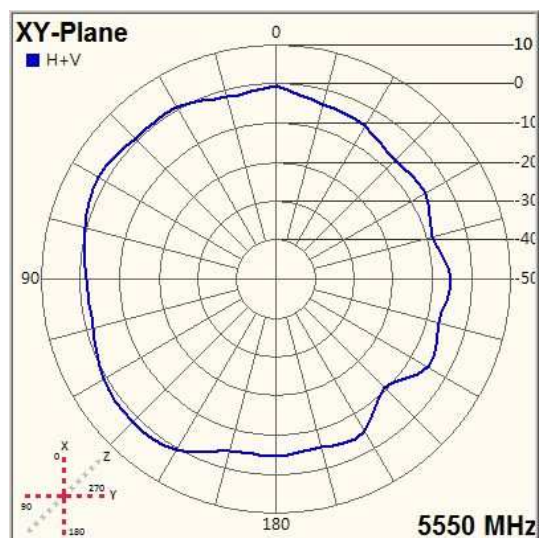
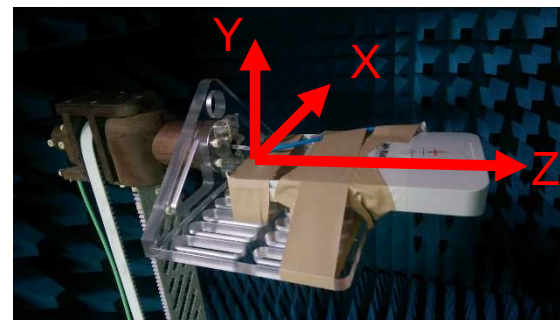
Ant. 2D Gain Pattern @ 2.45GHz



Frequency (MHz)	2400	2450	2500
Efficiency (dB)	-1.59	-1.58	-1.74
Efficiency (%)	69.30	69.43	66.95
Gain (dBi)	6.51	6.56	6.55



Ant. 2D Gain Pattern @ 5.55GHz



Frequency (MHz)	5150	5250	5350	5450	5550	5650	5750	5850
Efficiency (dB)	-1.57	-1.46	-1.10	-0.81	-1.37	-1.60	-2.02	-1.74
Efficiency (%)	69.62	71.54	77.55	83.05	73.03	69.25	62.82	67.07
Gain (dBi)	7.35	7.25	7.29	7.57	7.03	6.91	6.26	5.91