



PINE64

## PADI IoT Stamp Antenna Performance Test Report

### PADI IoT Stamp



### Antenna Performance Test Report

Revision 1.0

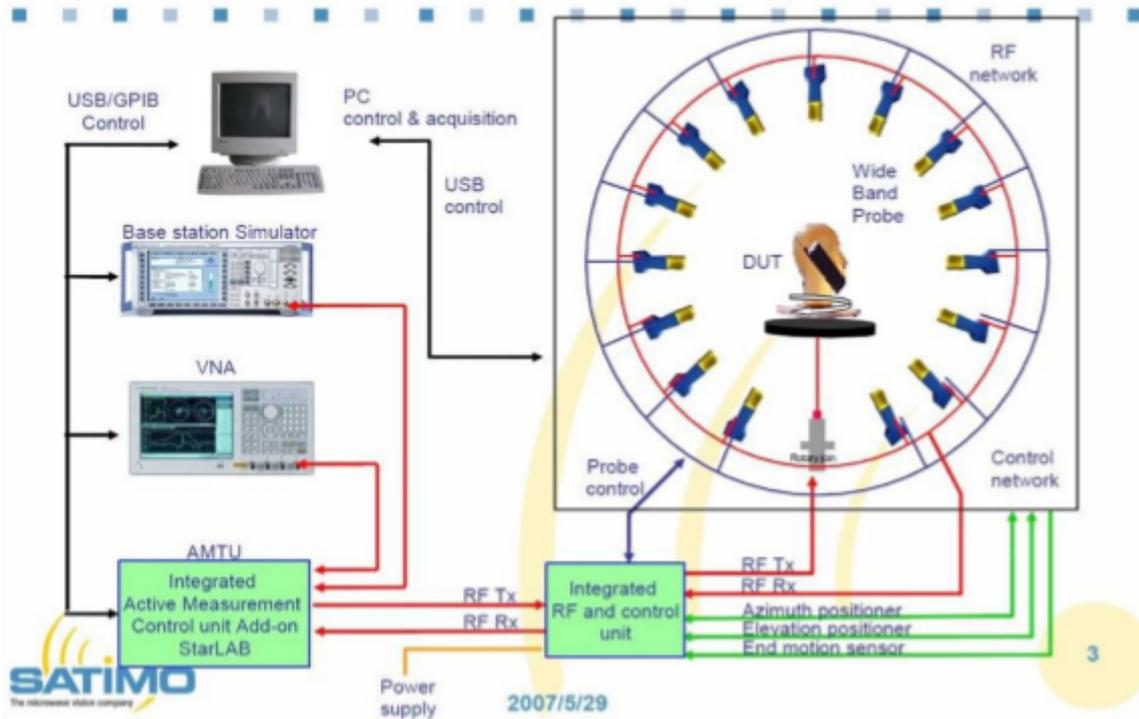


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### 1. Microwave Anechoic Chamber Setup

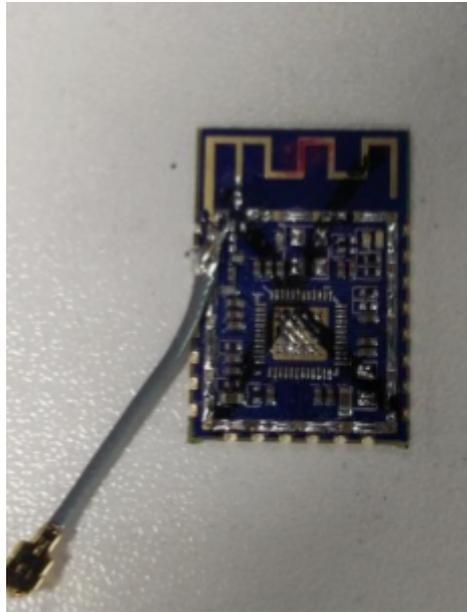


### 2. Explanation

This report summarizes the PADI IoT Stamp on-board antenna test report, including the S11 parameters of the antenna, efficiency, gain and pattern.

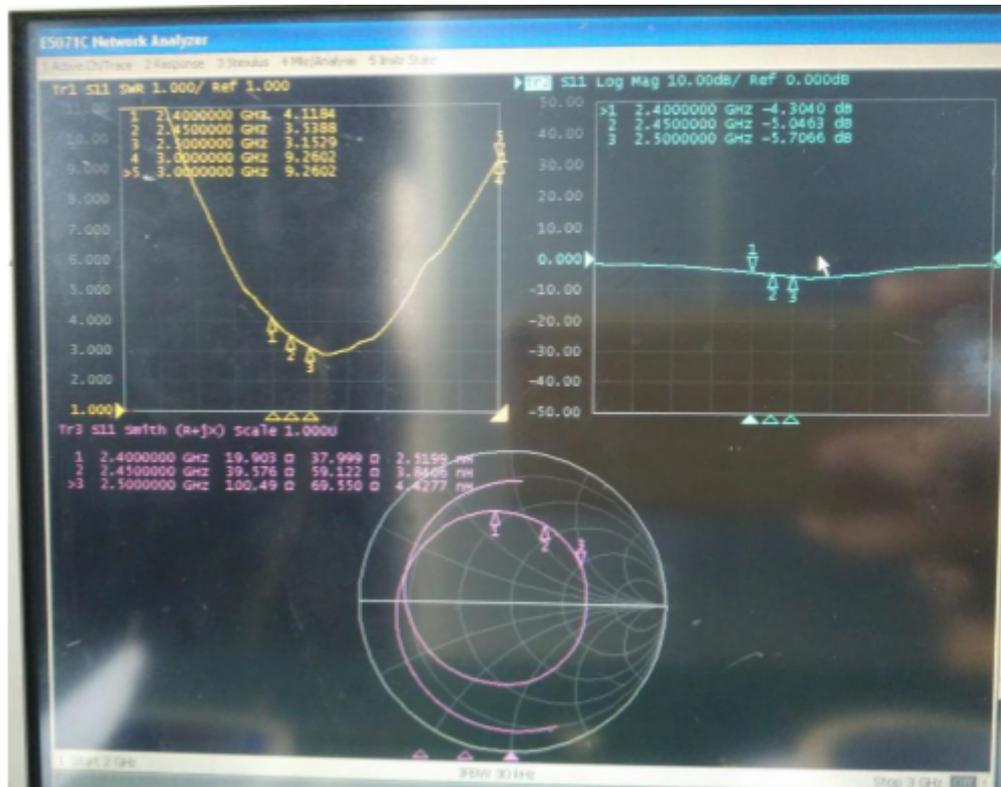


### 3. On-board Antenna



### 4. Passive antenna test data

#### 4.1 S11 parameter map





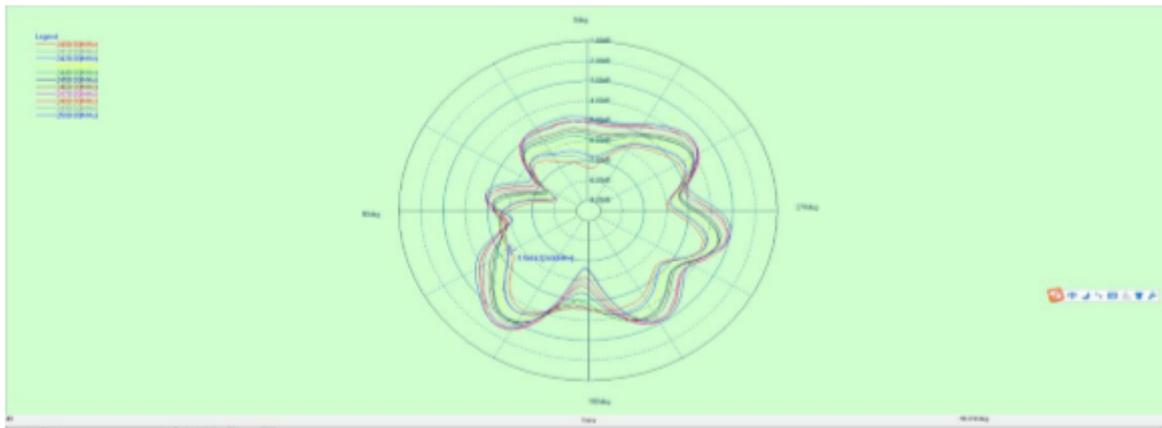
### 4.2 Voltage Standing Wave Ratio Data

Freq (GHz)	2.4	2.45	2.5
VSWR	4.11	3.54	3.15
LOG	-4.3	-5.0	-5.7

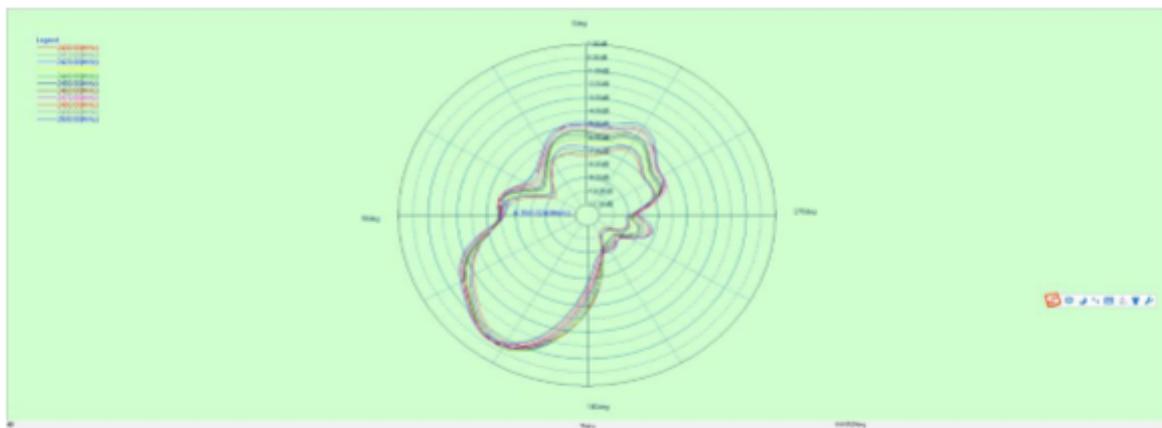
### 4.3 Antenna Chamber Test

Freq (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-0.81	-0.53	-0.54	-0.32	-0.22	-0.31	-0.31	-0.19	-0.15	-0.36	-0.20
Efficiency (%)	27	28	28	29	31	31	31	33	33	33	34

#### Surface E1

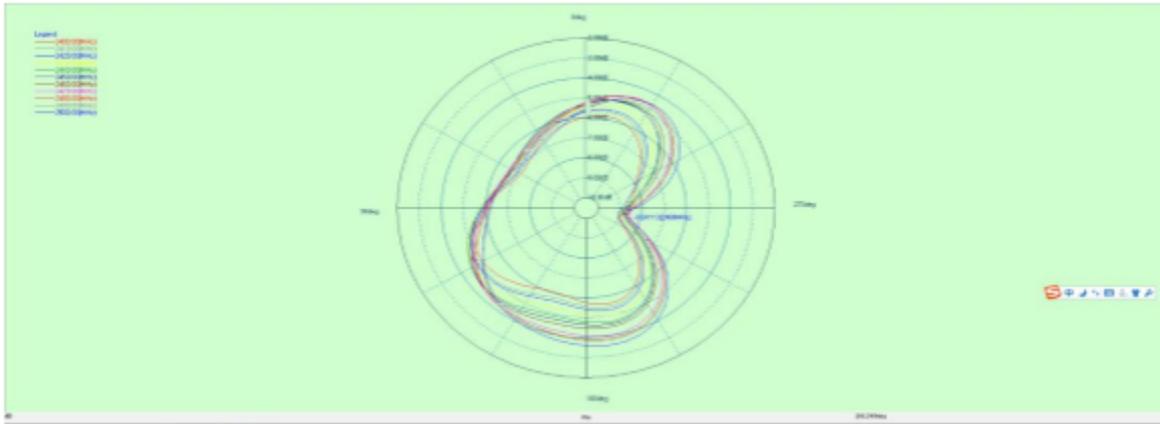


#### Surface E2

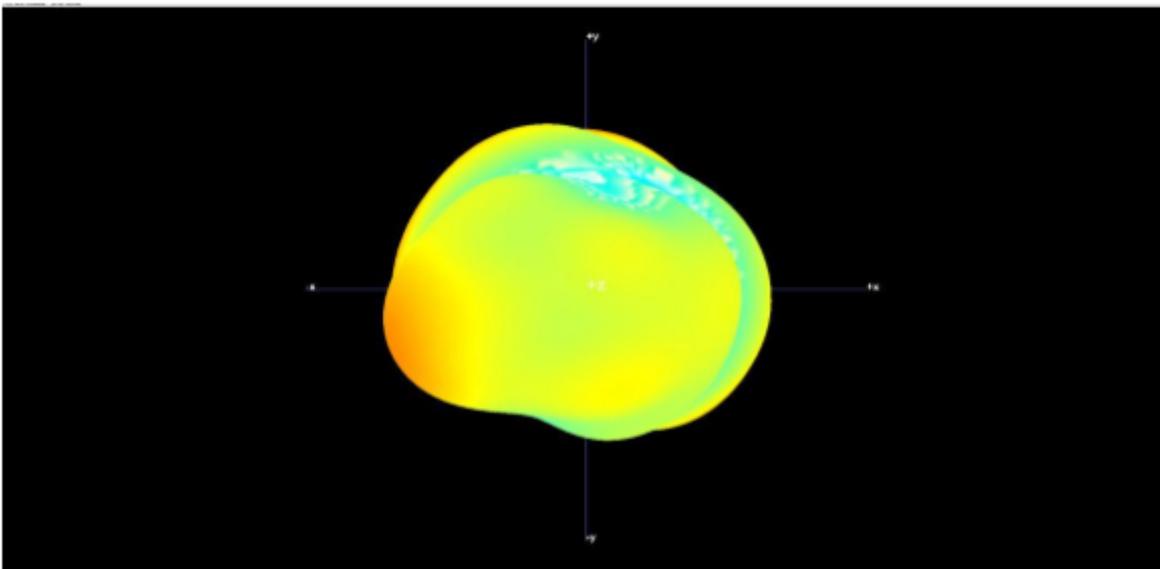




### Surface H



### 2450 MHz





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