

Feimin Technology OTA Antenna Data Report

Prototype model: On-board Bluetooth Date: October 31, 2018

1.1 Test Items:

Antenna passive data

- Stationed at Bobi
- Gain
- Efficiency
- Direction map

2. Test Result

2.1 Test conditions

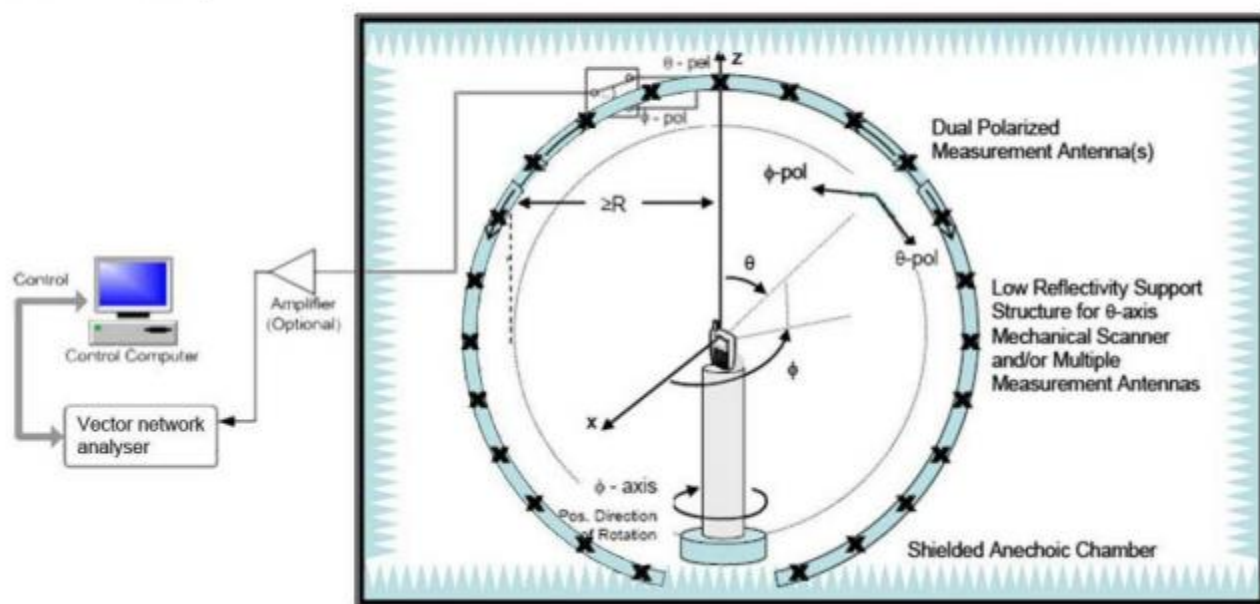
Test Environment Conditions:

Relative Humidity:	15...75%
Temperature:	+ 10°C to + 30°C
Voltage of the EUT:	N/A

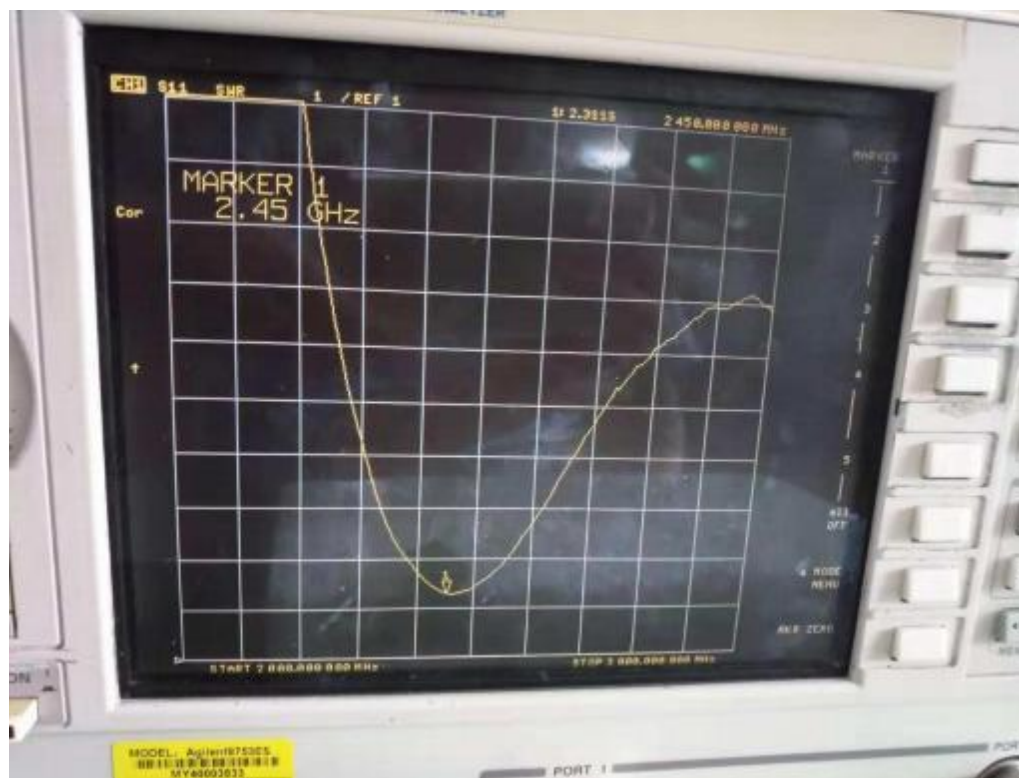
2.2 Test Results lists

Annex A Test Setup

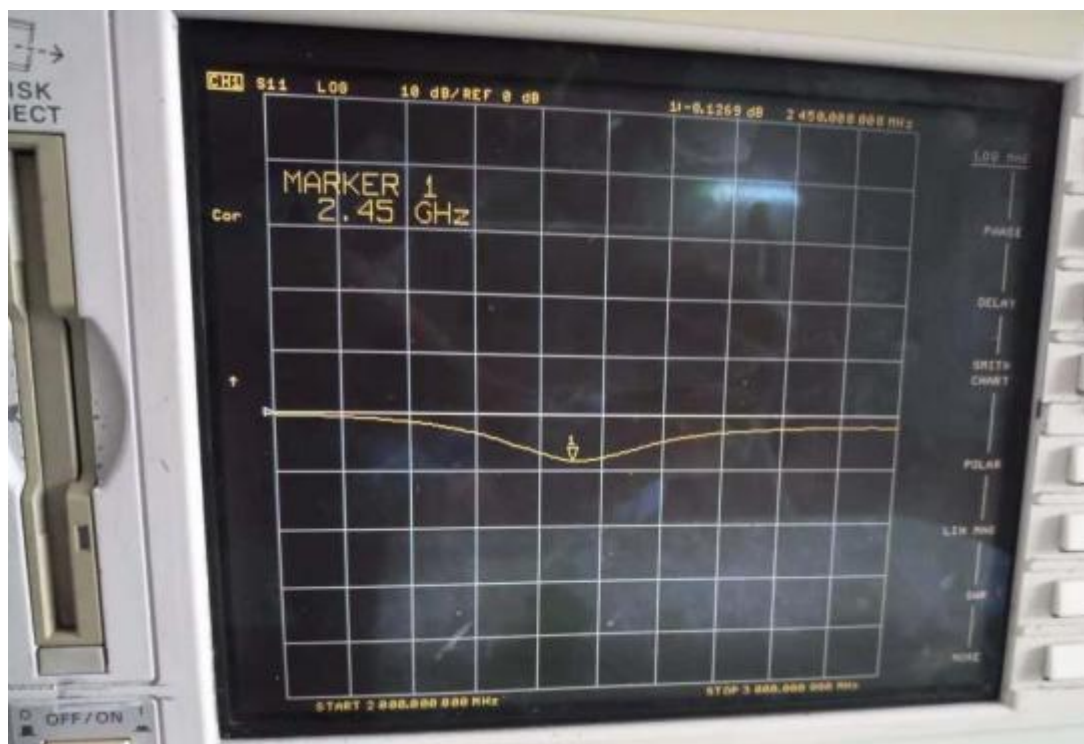
1. Test Setup



2.2.1 SWR



2.2.2 LOG MAG



2.2.4 Gain and Efficiency

Frequency	Gain(dBi)	Efficiency
2400MHz	-2.16	19.85
2410MHz	-0.95	26.5
2420MHz	-0.34	30.53
2430MHz	-0.04	33.07
2440MHz	0.18	34.44
2450MHz	0.16	34.57
2460MHz	-0.09	32.86
2470MHz	-0.42	30.59
2480MHz	-0.81	28.08
2490MHz	-1.49	23.97
2500MHz	-2.23	19.86

3D Total	Frequency (MHz)	Upper Hem. P	Lower HEM. P	Efficiency	Efficiency	Gain (dBi)	Tot. Rad.Pwr. (dBm)
	2400 MHz	-11.59	-8.89	-7.02	19.85	-2.16	-7.02
	2410 MHz	-10.32	-7.64	-5.77	26.5	-0.95	-5.77
	2420 MHz	-9.7	-7.03	-5.15	30.53	-0.34	-5.15
	2430 MHz	-9.33	-6.7	-4.81	33.07	-0.04	-4.81
	2440 MHz	-9.13	-6.53	-4.63	34.44	0.18	-4.63
	2450 MHz	-9.1	-6.52	-4.61	34.57	0.16	-4.61
	2460 MHz	-9.32	-6.74	-4.83	32.86	-0.09	-4.83
	2470 MHz	-9.69	-7.02	-5.14	30.59	-0.42	-5.14
	2480 MHz	-10.12	-7.36	-5.52	28.08	-0.81	-5.52
	2490 MHz	-10.89	-8	-6.2	23.97	-1.49	-6.2
	2500 MHz	-11.83	-8.76	-7.02	19.86	-2.23	-7.02

