

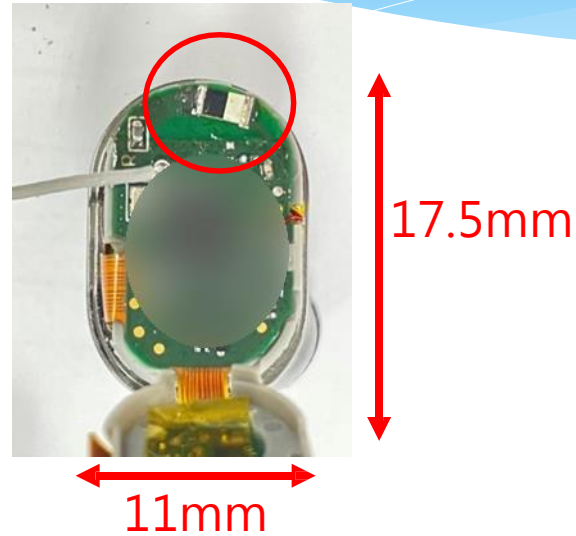
# **Antenna Test Report**

## **MTB-03 V2.0**

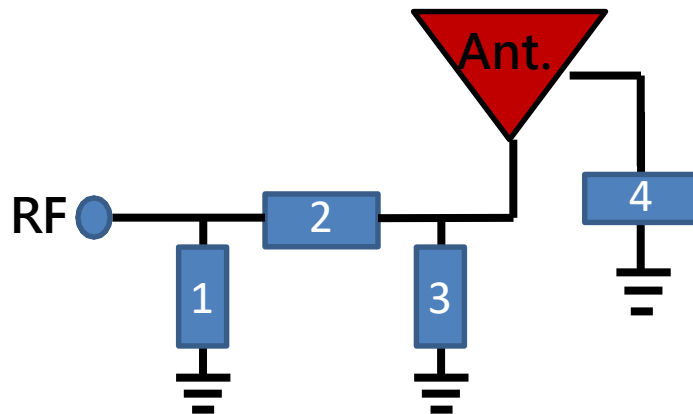
Rocky 2021/04/22

# R-side Ant. Matching

- Antenna Placement

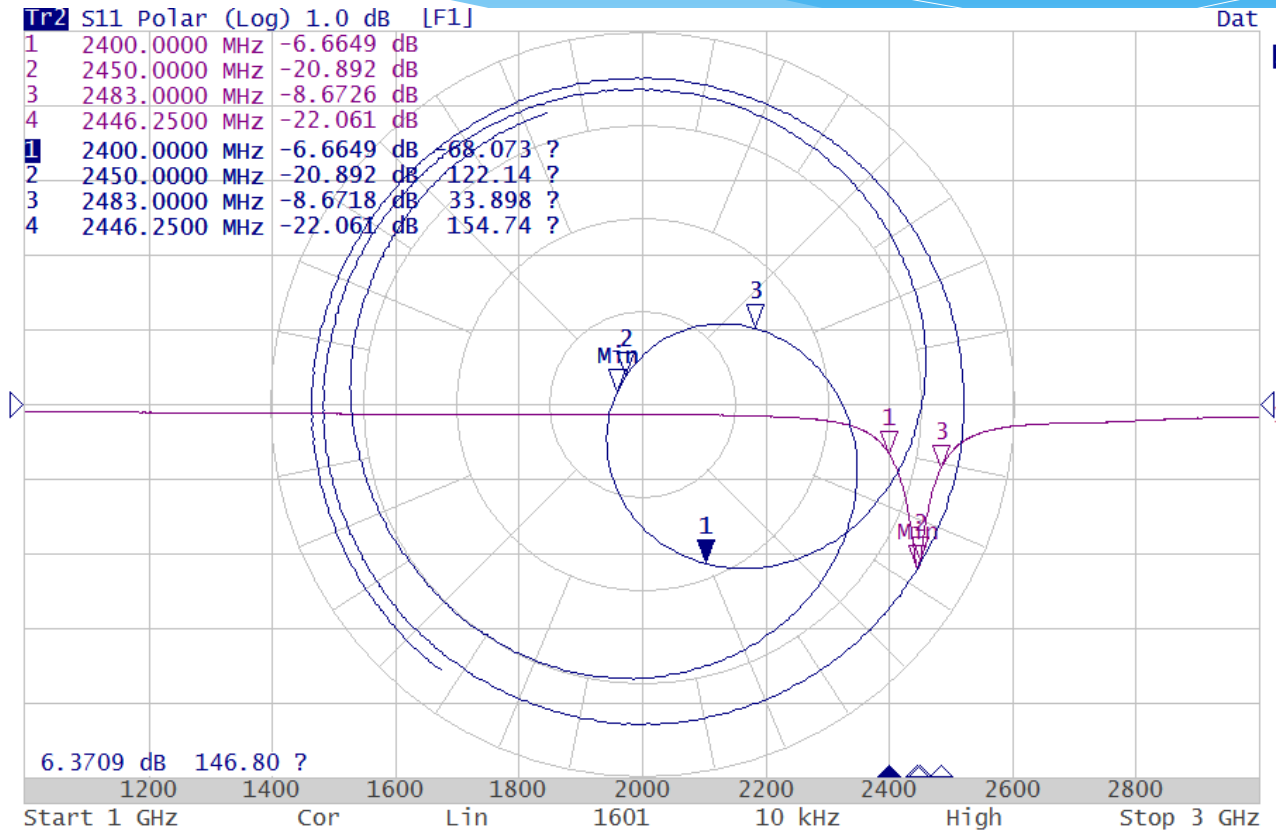


- Matching Circuit



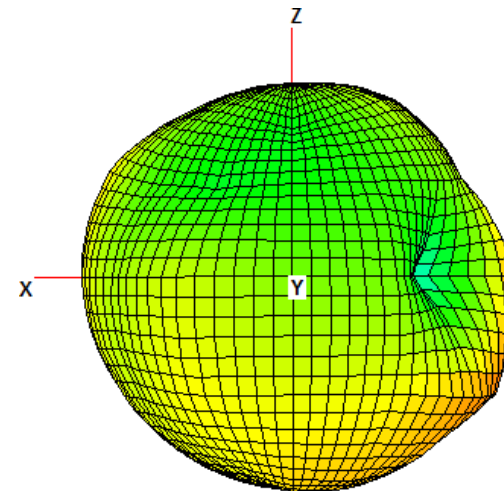
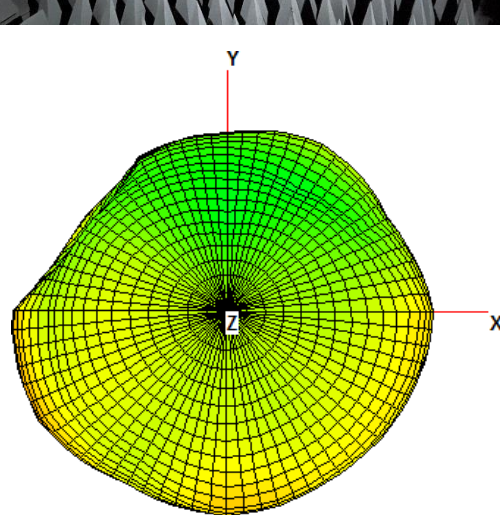
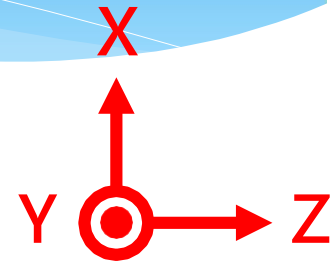
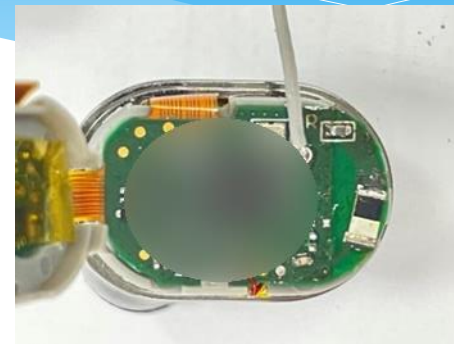
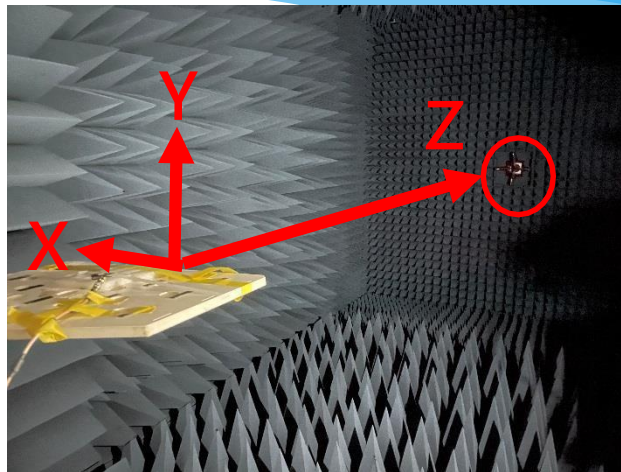
	LC	Model.
Ant.	Chip ant	
1	NC	--
2	2.4nH	CHILISN
3	2pF	Walsin
4	2.0nH	CHILISN

# R-side Ant. S11 Parameter



Fre.(MHz)	2400	2450	2483
S11(dB)	-6.6	-20.8	-8.6

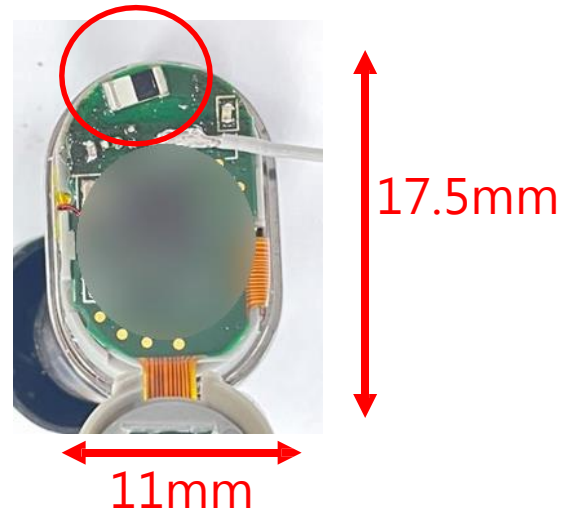
# R-side Ant. Gain Pattern @2.45GHz



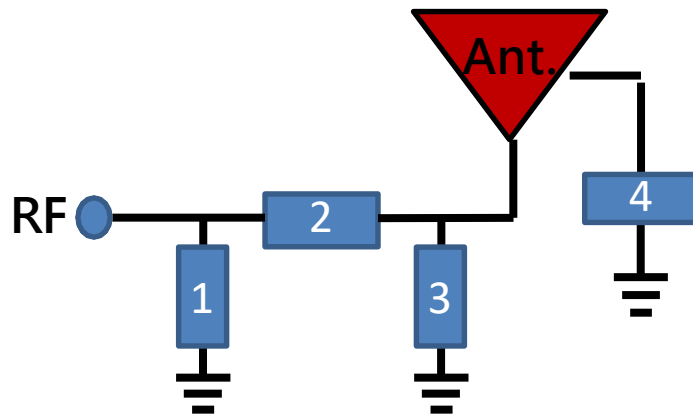
Fre.(MHz)	2400	2450	2500
Gain(dBi)	-4.9	-2.4	-4.7
Efficiency(%)	12.8	17.7	11.9

# L-side Ant. Matching

- Antenna Placement

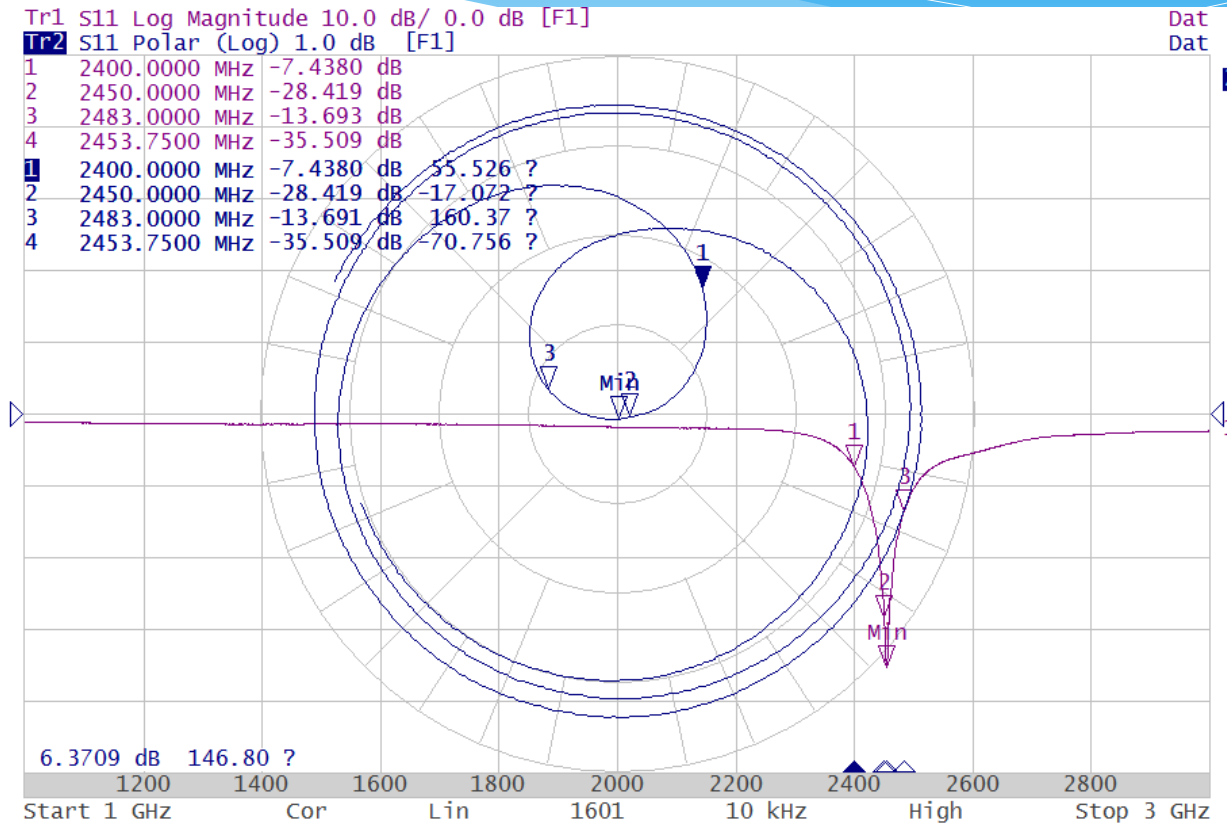


- Matching Circuit



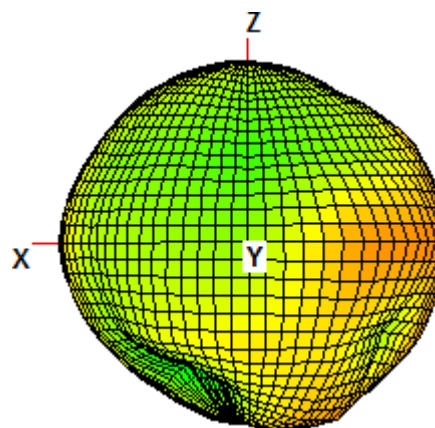
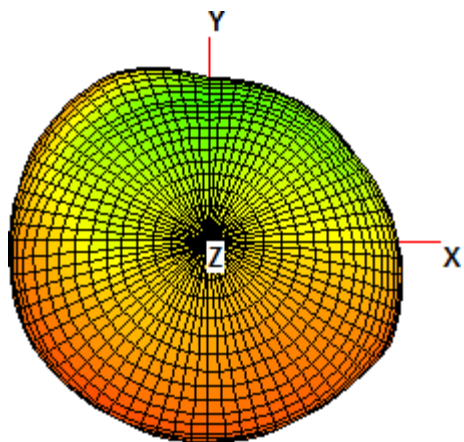
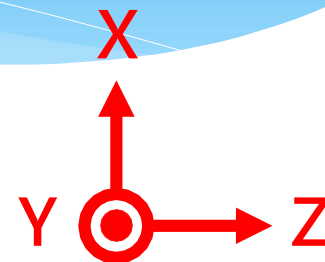
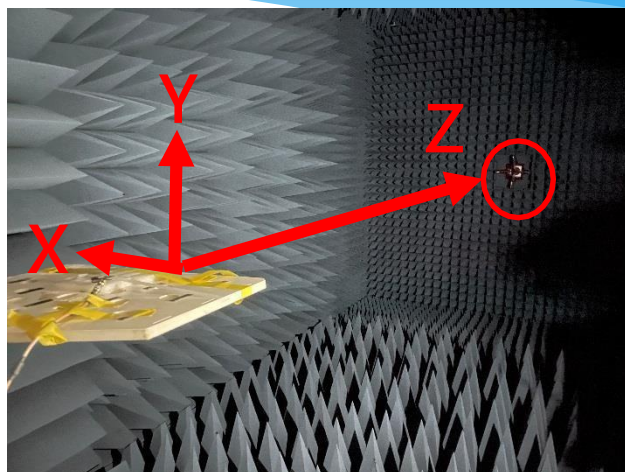
	LC	Model.
Ant.	Chip ant	
1	NC	--
2	3.0nH	CHILISN
3	1.8pF	Walsin
4	2.2nH	CHILISN

# L-side Ant. S11 Parameter



Fre.(MHz)	2400	2450	2483
S11(dB)	-7.4	-28.4	-13.6

# L-side Ant. Gain Pattern @2.45GHz



Fre.(MHz)	2400	2450	2500
Gain(dBi)	-5.4	-2.3	-3.1
Efficiency(%)	13.9	19.5	17.6