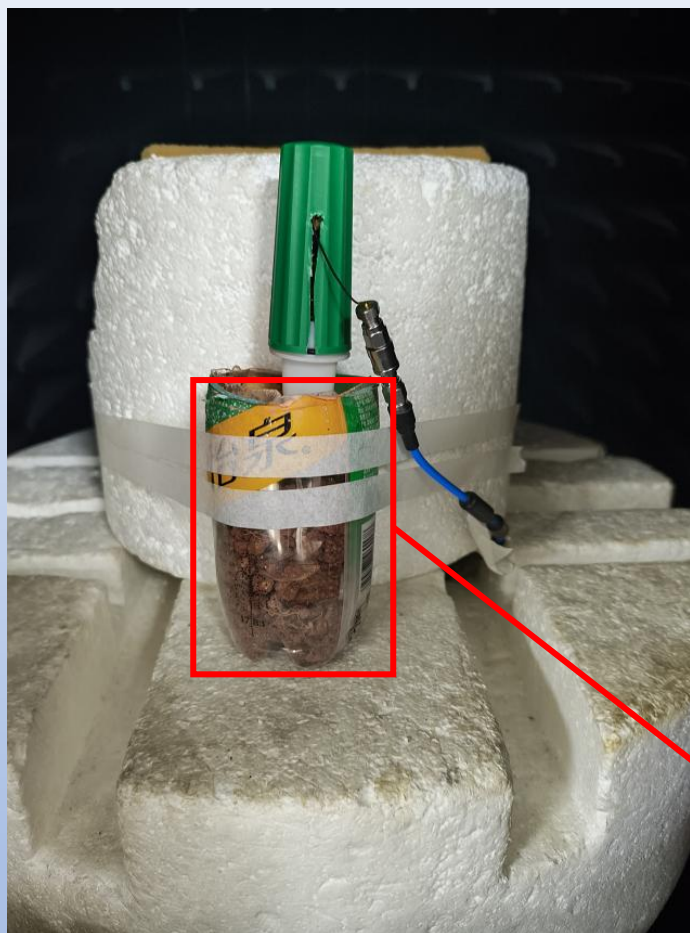


土壤传感器

Date: 2025. 12. 22

1.1、 ANT-Environment



天线区域

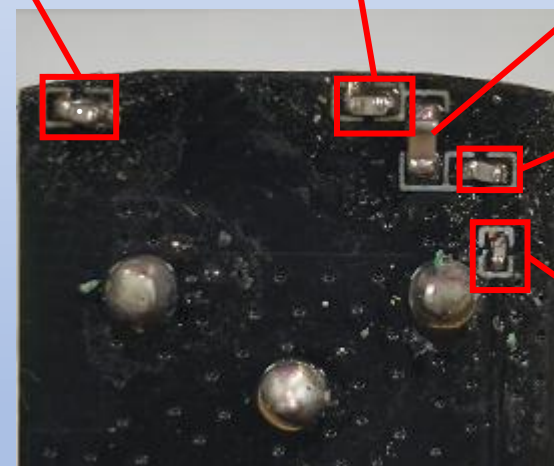
0.2pF

0Ω

SRF12A

2.7pF

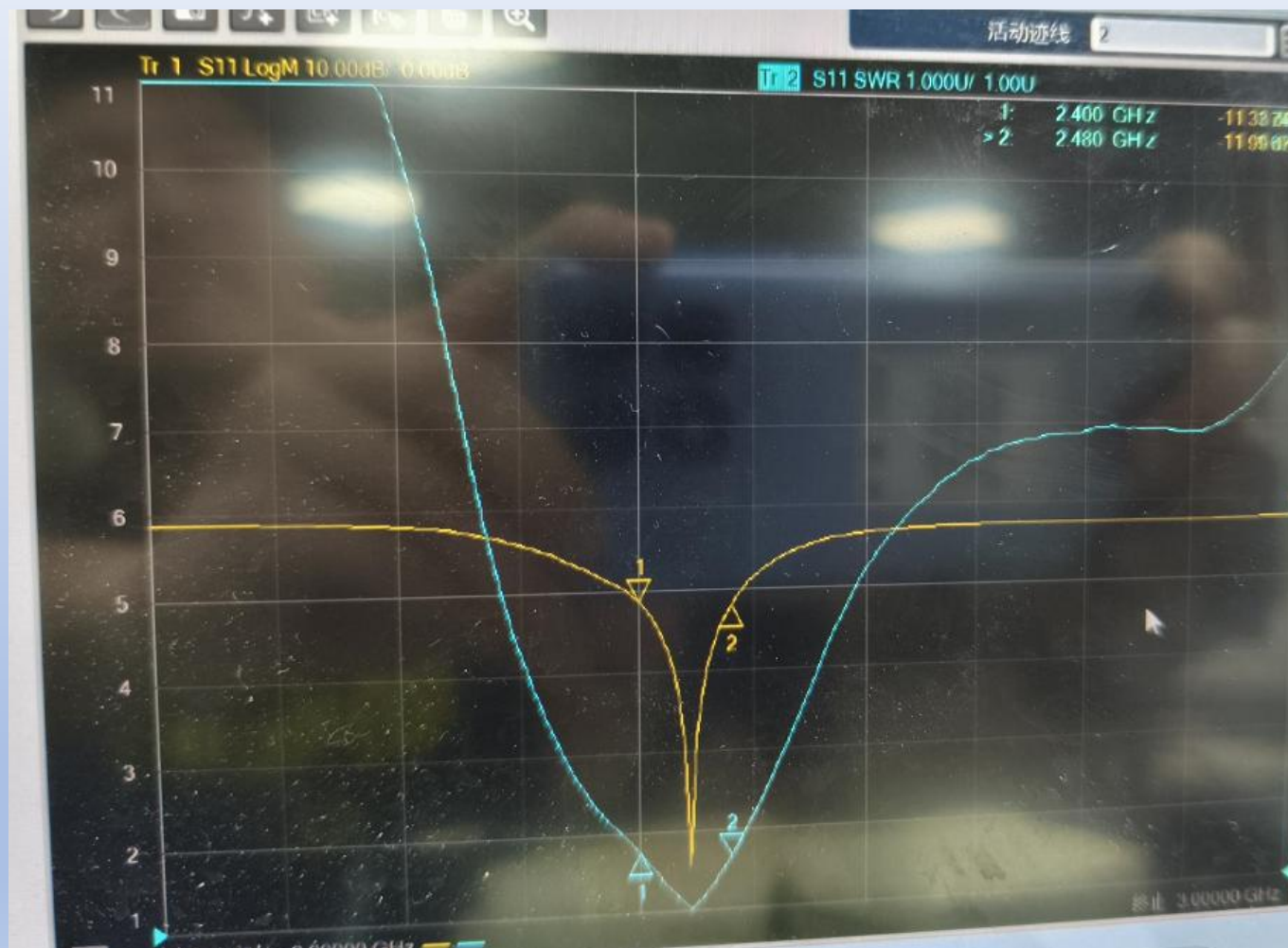
0Ω



暗室内部图
(插入土中)

1.2、 ANT-S-parameter

S-parameter

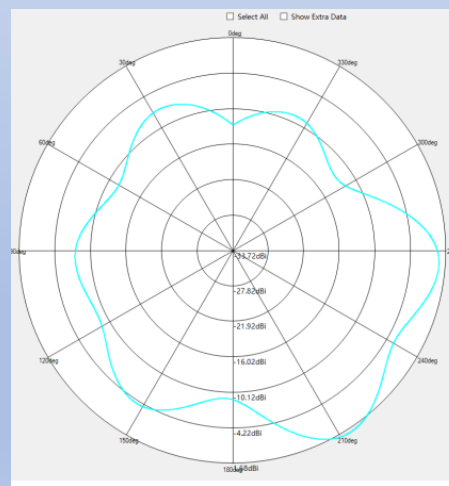
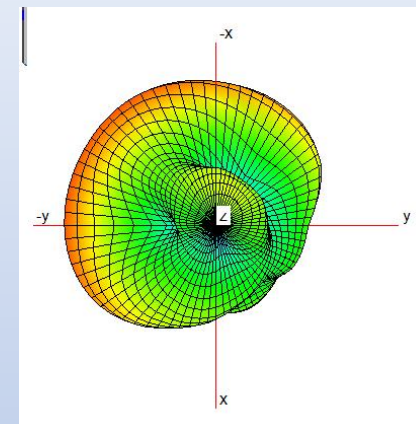
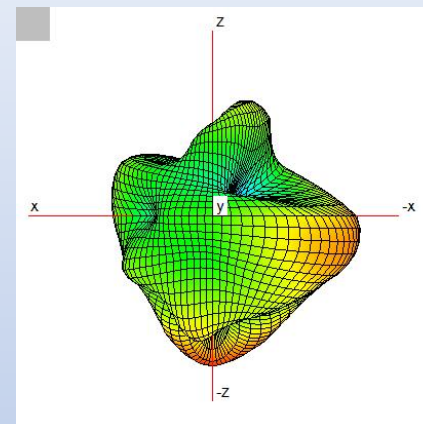
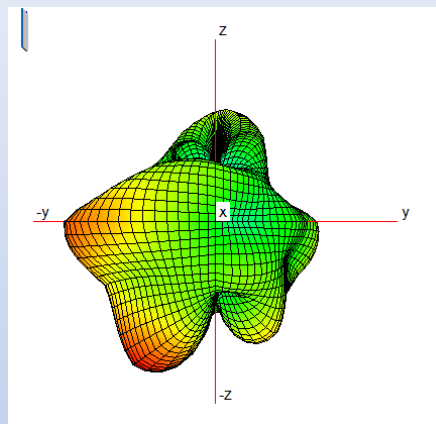
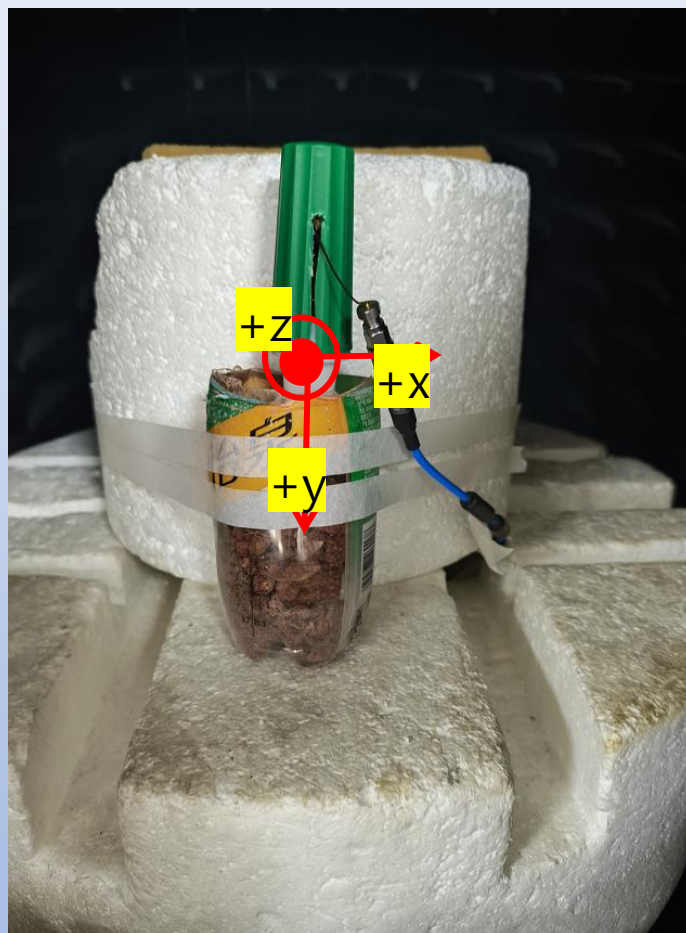


1.3、 ANT-efficiency

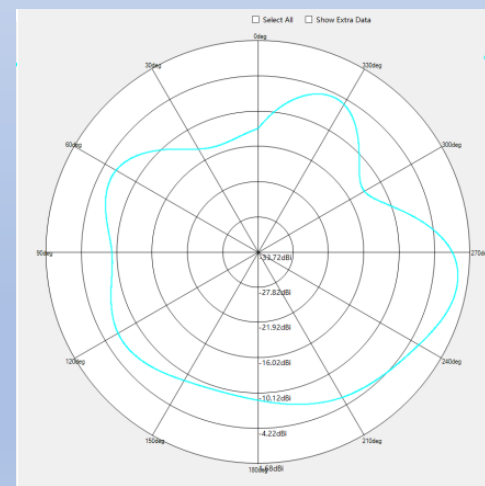
BT-efficiency			
Freq	Efficiency_dB	Gain_dBi	Efficiency_Pcent_%
2400	-3.78	1.51	41.84
2410	-3.67	1.73	42.92
2420	-3.61	1.9	43.54
2430	-3.64	2	43.27
2440	-3.73	1.98	42.34
2450	-3.84	1.95	41.35
2460	-3.97	1.82	40.12
2470	-4.18	1.61	38.22
2480	-4.45	1.36	35.86
2490	-4.84	1	32.82
2500	-5.16	0.68	30.5

1.4、 ANT-Radiation pattern

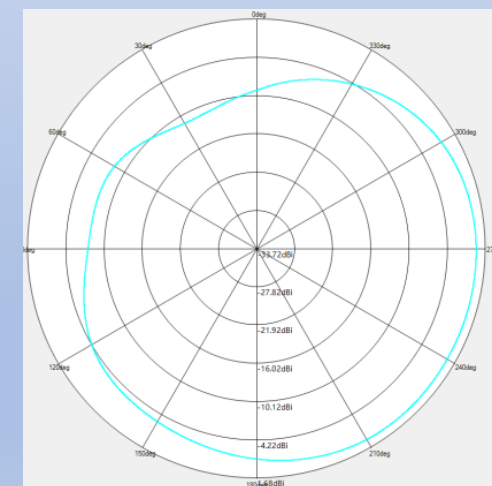
$f=2440\text{MHz}$



YZ



XZ



XY

Thank You!