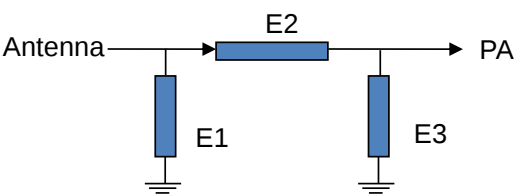


Ant Specification

Date: 2024/11/5

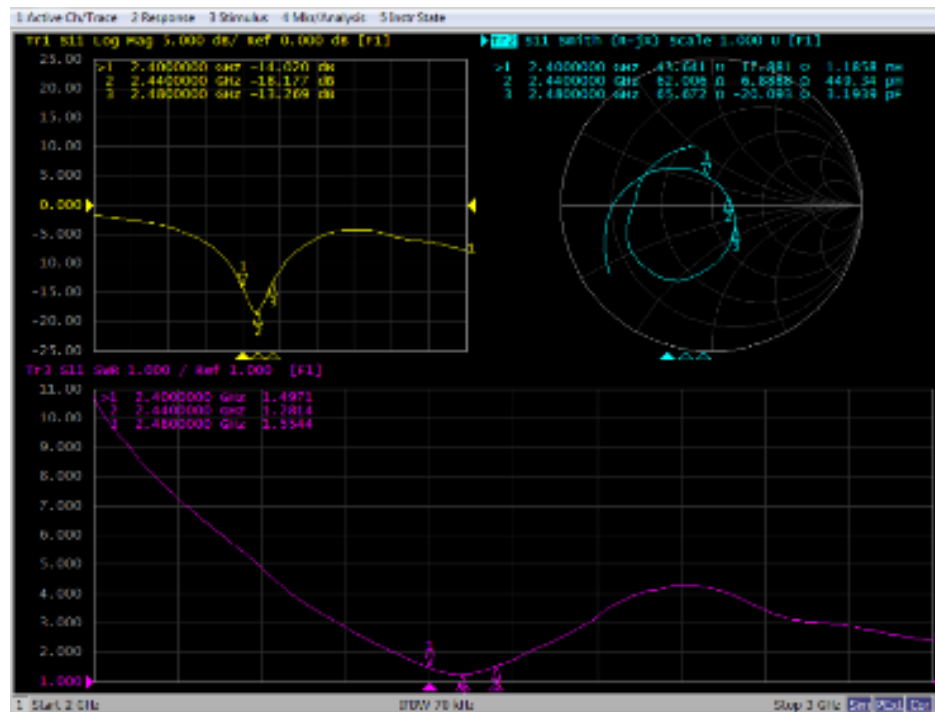
Antenna	Frequency band	Material	Performance requirement
BT	2400-2480MHz	Onboard	

Antenna end matching circuit:



BT	
Element	
E1(0402)	
E2(0402)	3.0pF
E3(0402)	0.5pF

Antenna passive S11 parameter test:

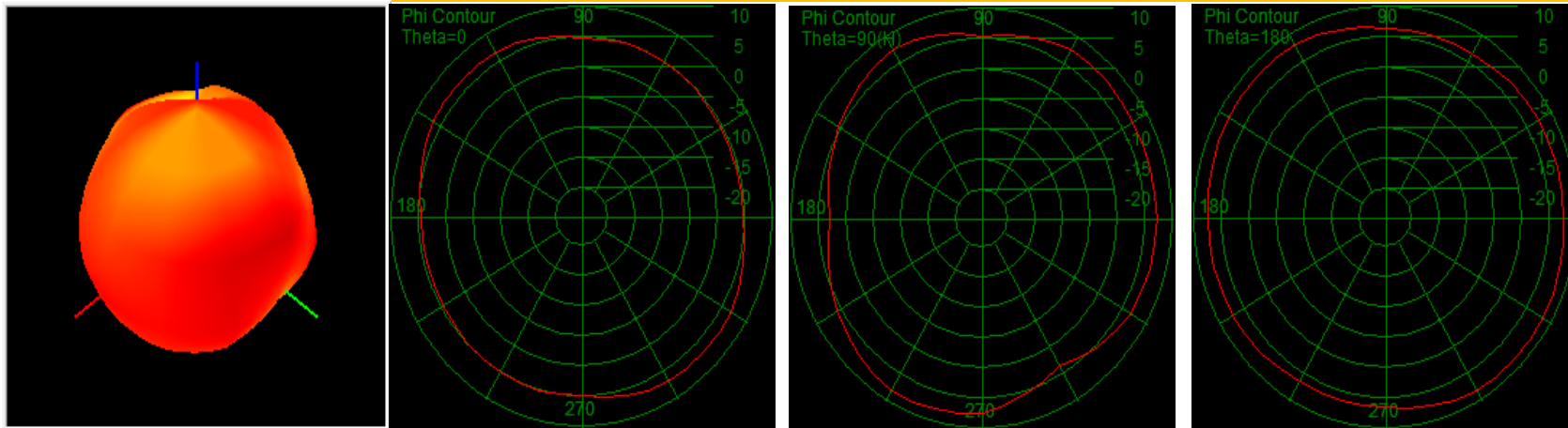


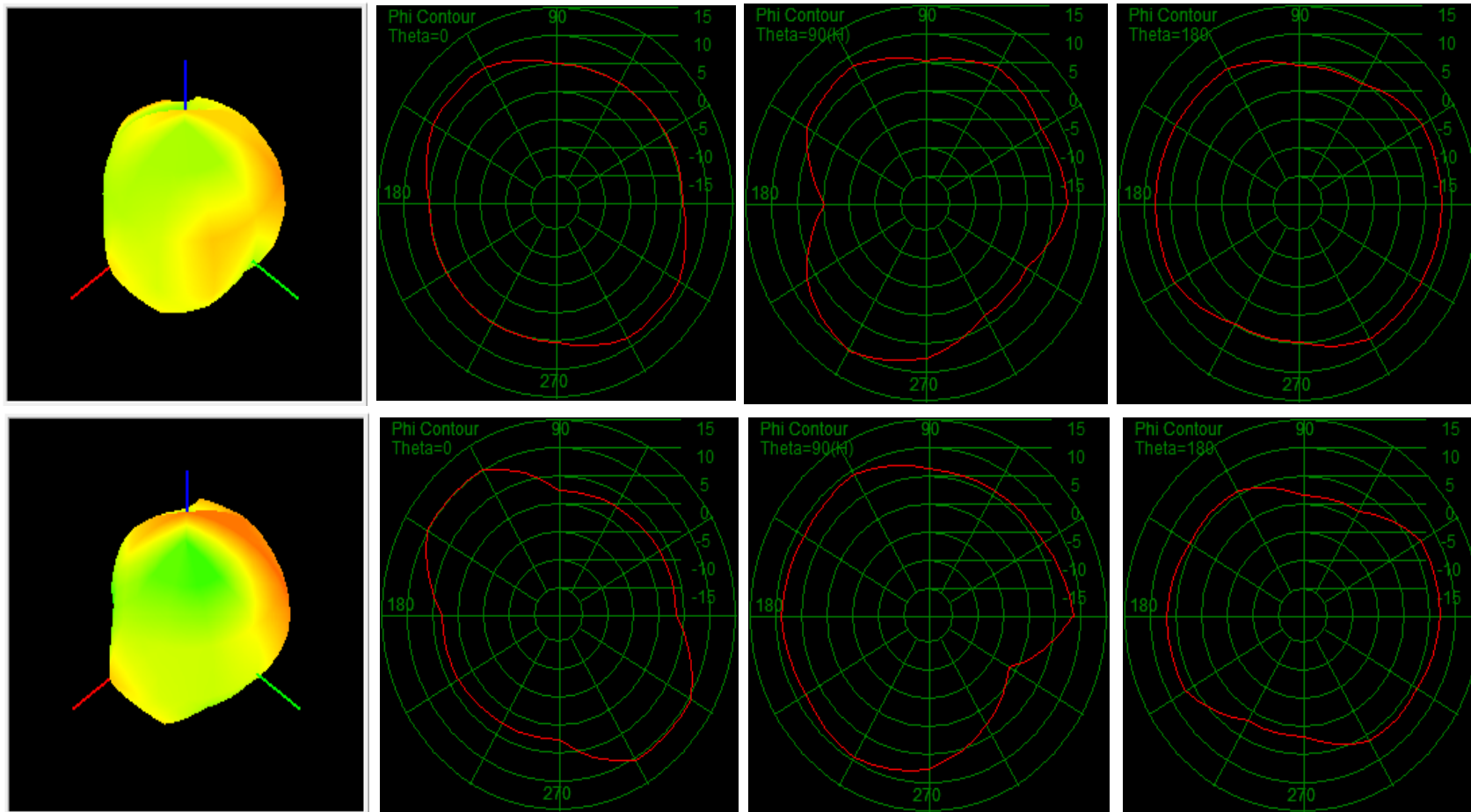
Freq (MHz)	2400	2440	2480
SWR	1.50	1.28	1.55
Log Mag	-14.02	-18.18	-13.27

Antenna passive efficiency and gain test:

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	0.51	39.03
2410	0.77	40.23
2420	0.79	39.99
2430	0.72	40.15
2440	0.95	41.76
2450	1.01	42.18
2460	1.26	43.70
2470	1.13	43.18
2480	0.76	41.42
2490	0.41	41.02
2500	0.32	39.93

Antenna passive radiation pattern:





Antenna position

