

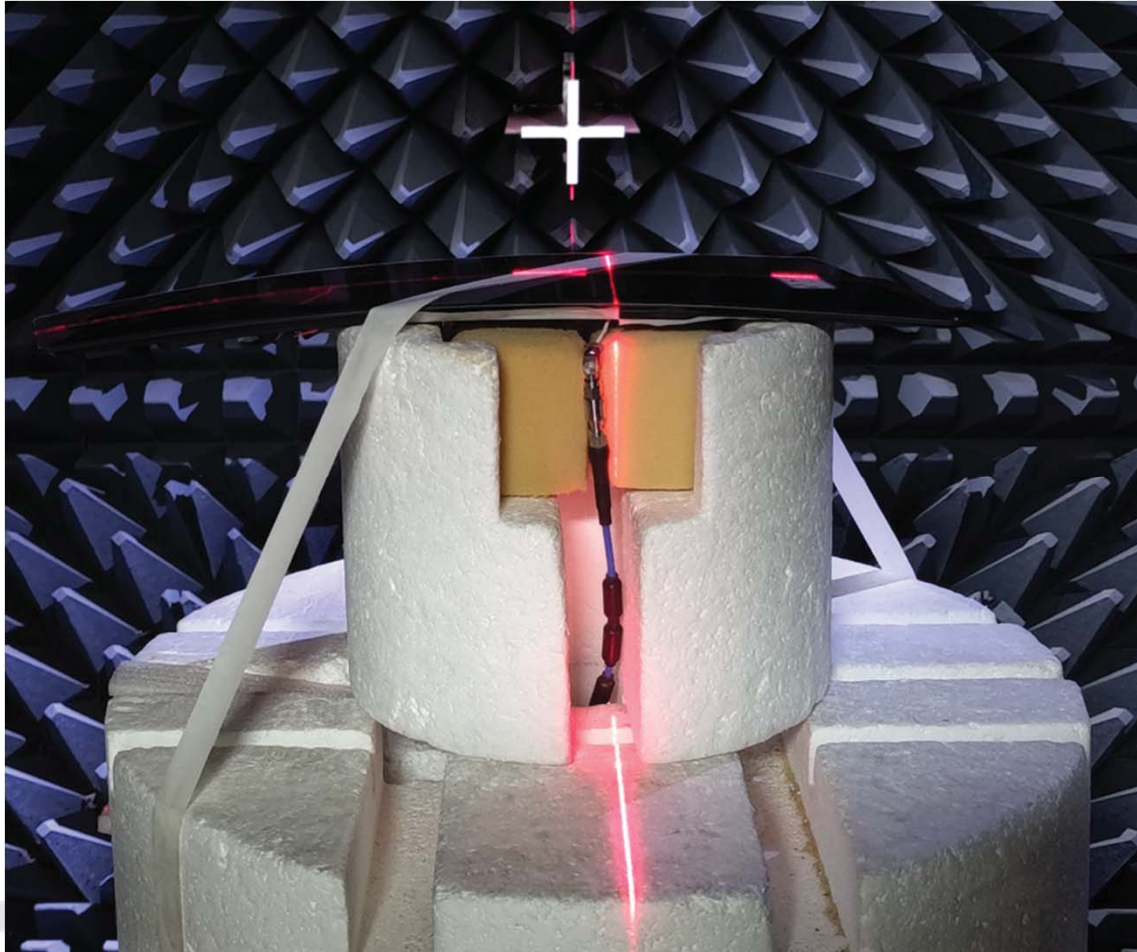


# MS B pillar 1783148

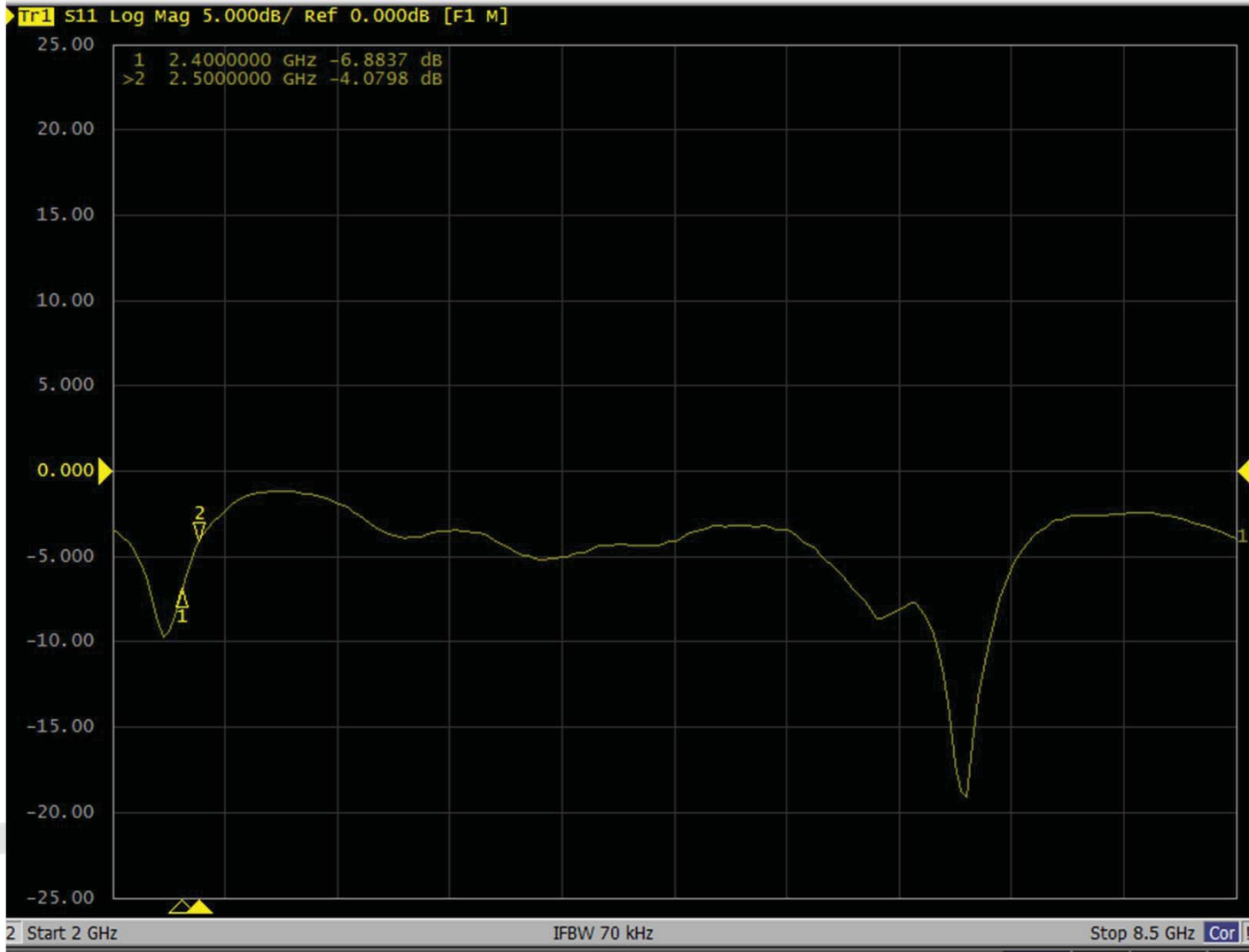




# Test setup

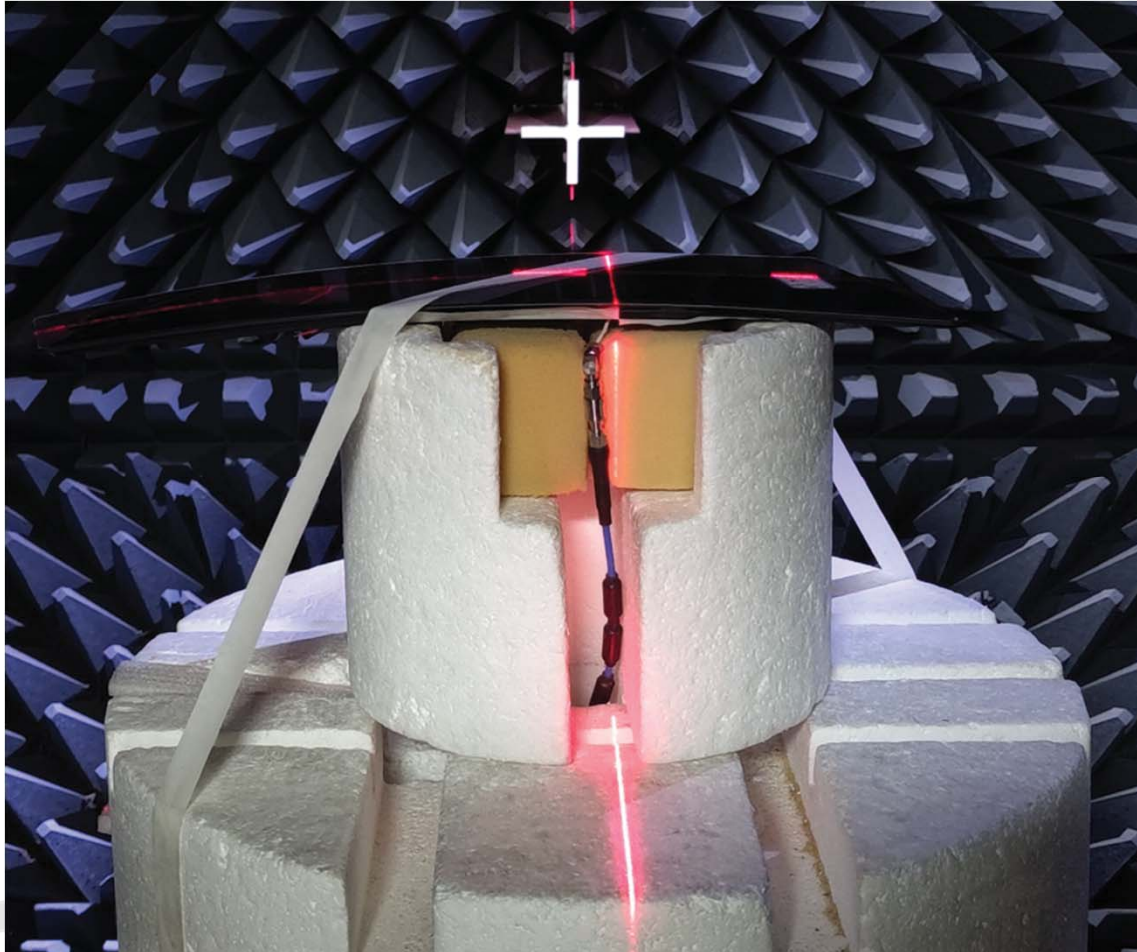


# Return loss



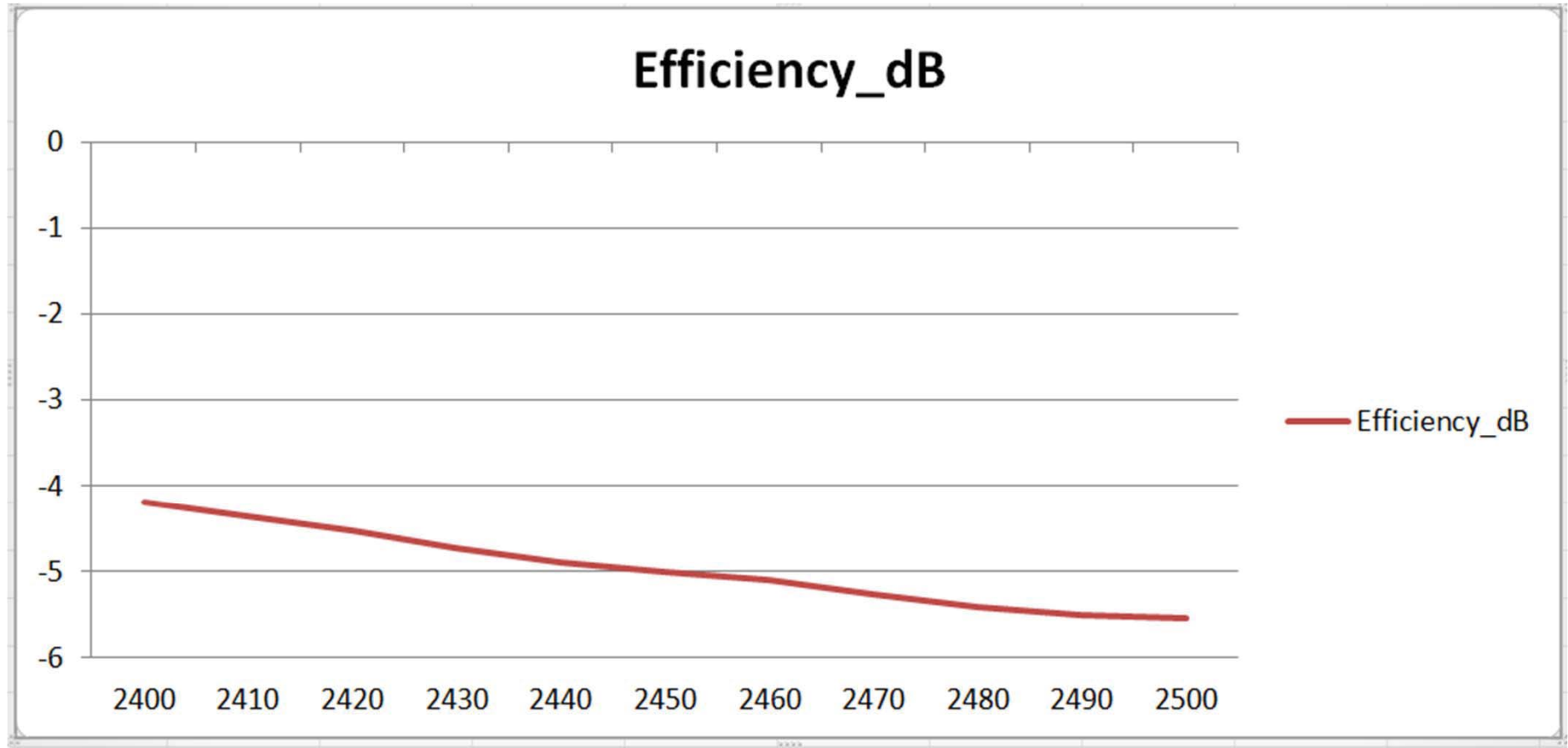


## Darkroom environment





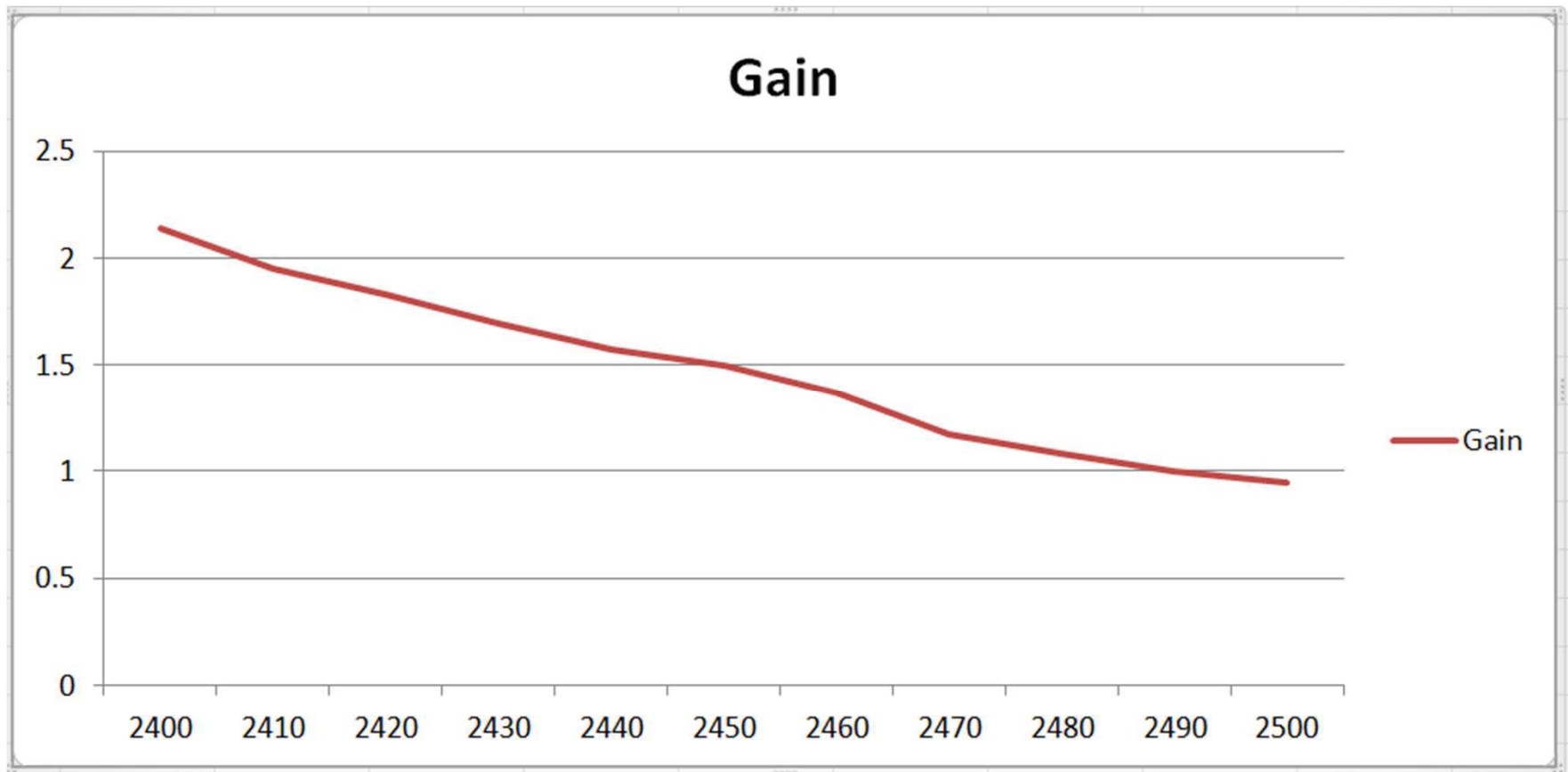
## Efficiency- BLE antenna







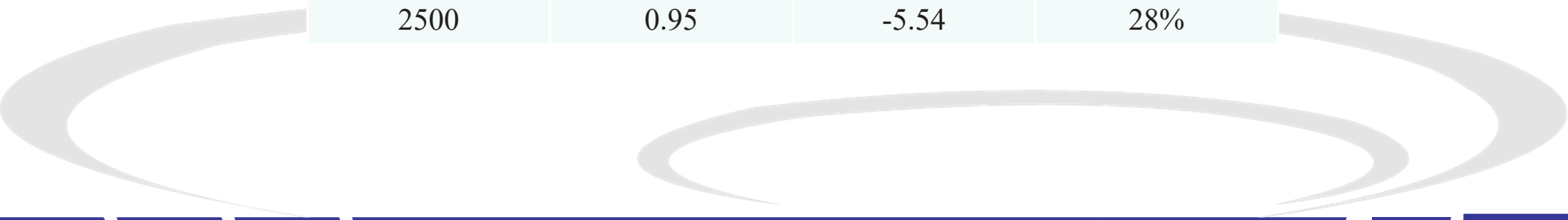
## Gain - BLE antenna





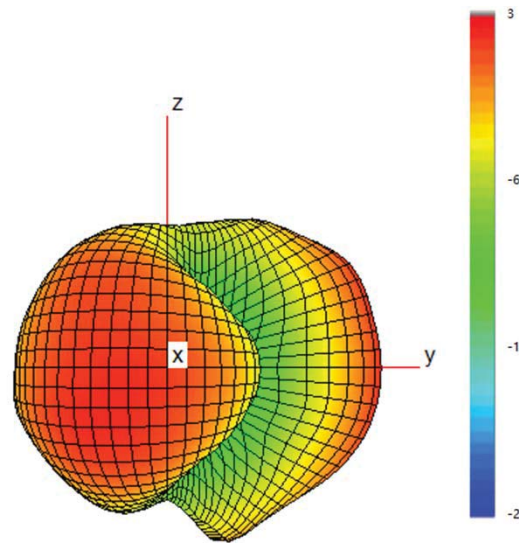
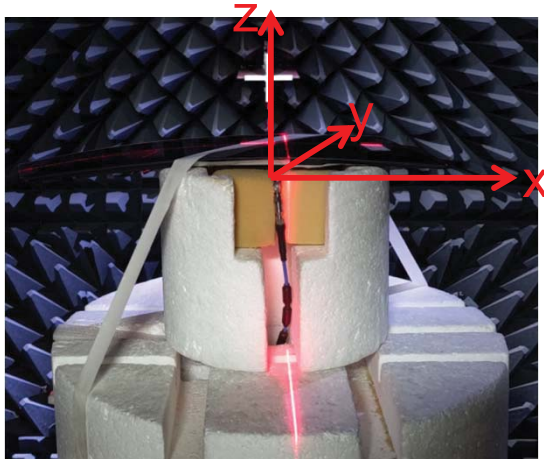
## Efficiency & Gain- BLE antenna

Freq_MHz	Gain	Efficiency_dB	Efficiency_Pcent
2400	2.14	-4.2	38%
2410	1.95	-4.37	37%
2420	1.83	-4.54	35%
2430	1.69	-4.73	34%
2440	1.57	-4.91	32%
2450	1.5	-5.01	32%
2460	1.37	-5.11	31%
2470	1.17	-5.27	30%
2480	1.08	-5.41	29%
2490	1	-5.52	28%
2500	0.95	-5.54	28%





# BLE Antenna \_3D Radiation Pattern



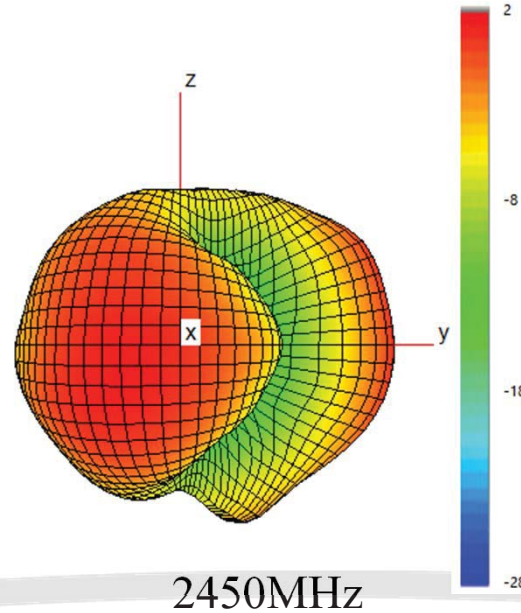
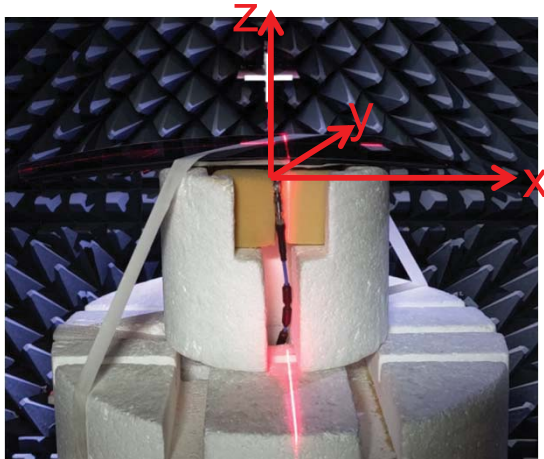
2400MHz







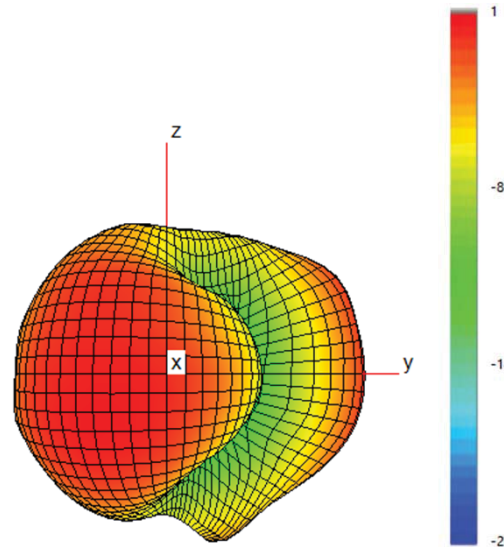
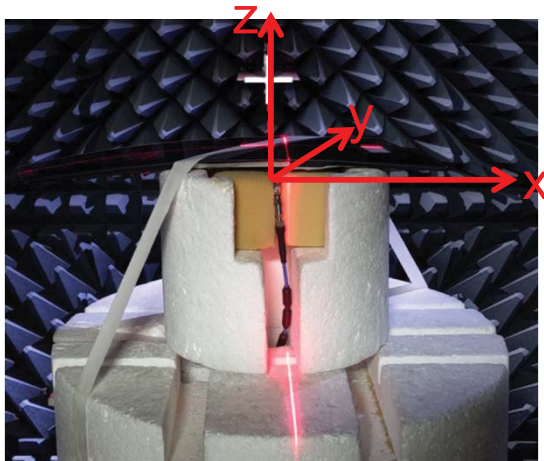
# BLE Antenna \_3D Radiation Pattern



2450MHz



# BLE Antenna \_3D Radiation Pattern



2500MHz





Thanks !

