



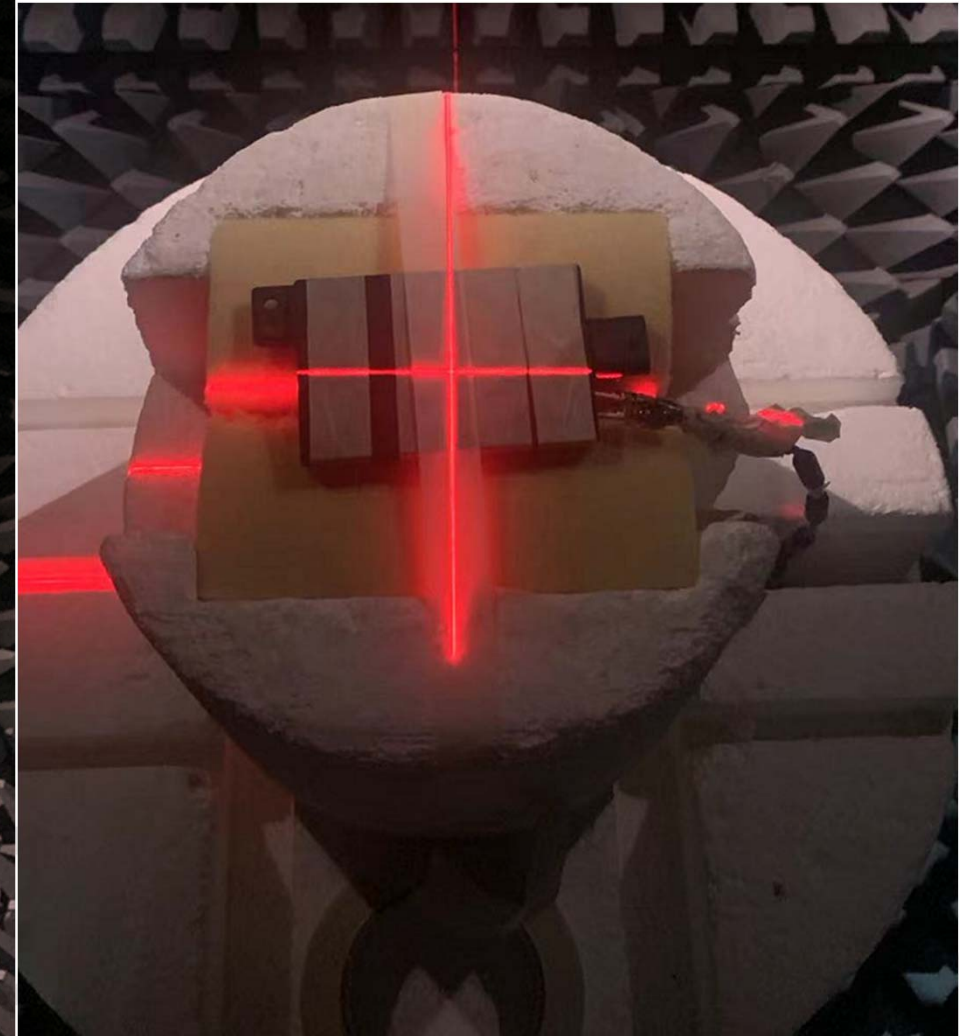
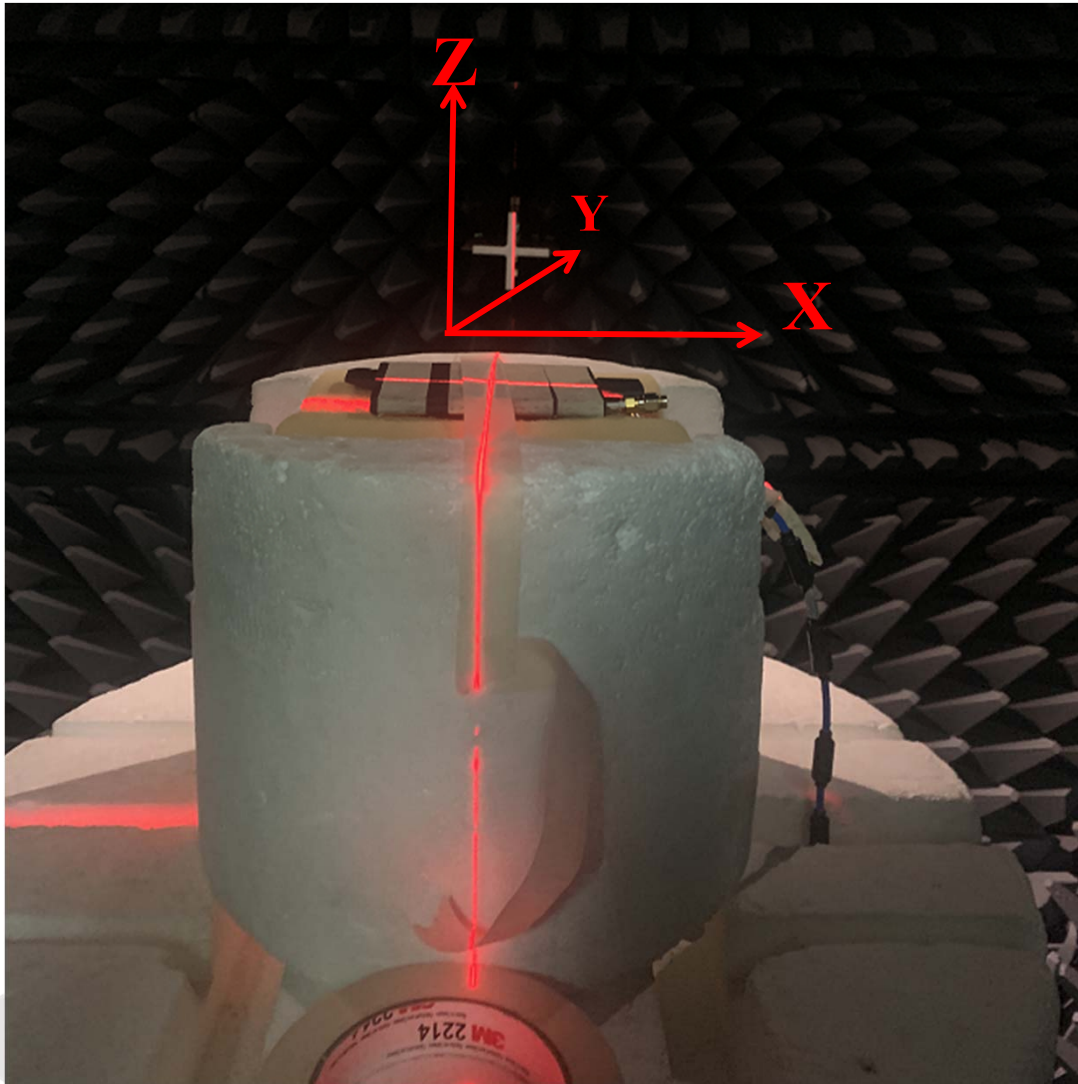
1752108 Vivaldi Endpoint Antenna test report

2023/6/16





Test setup

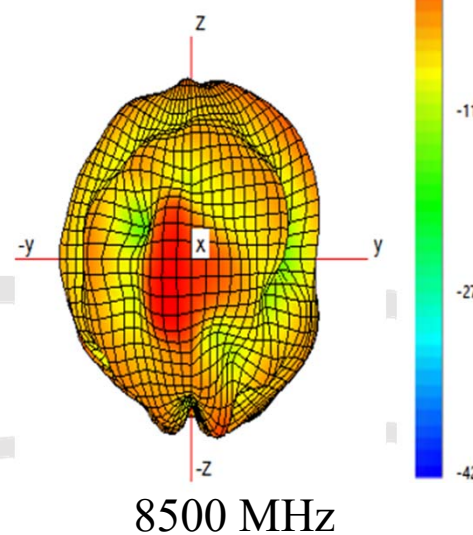
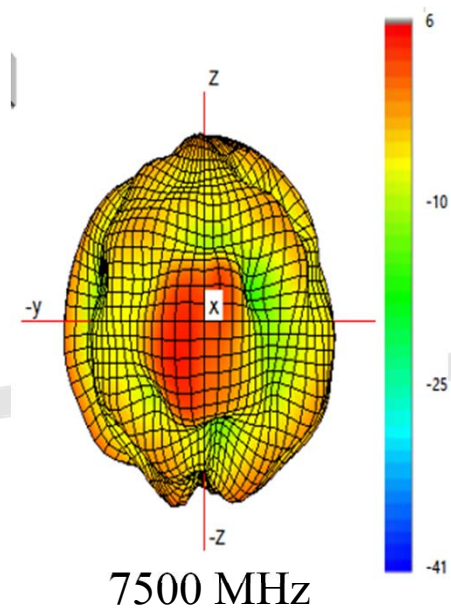
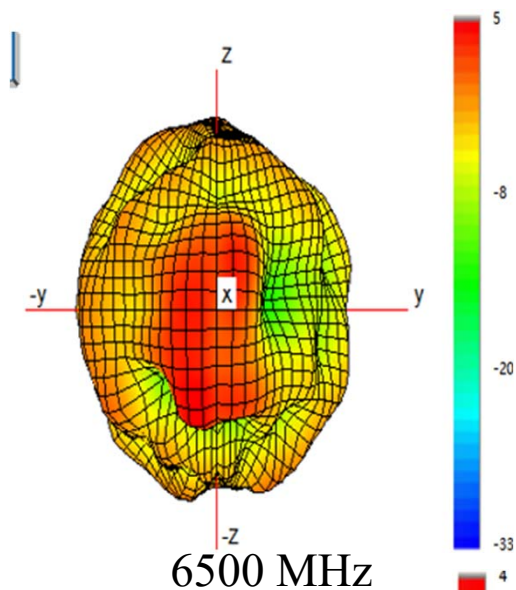
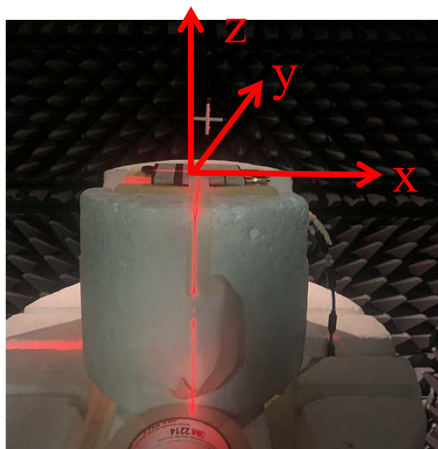




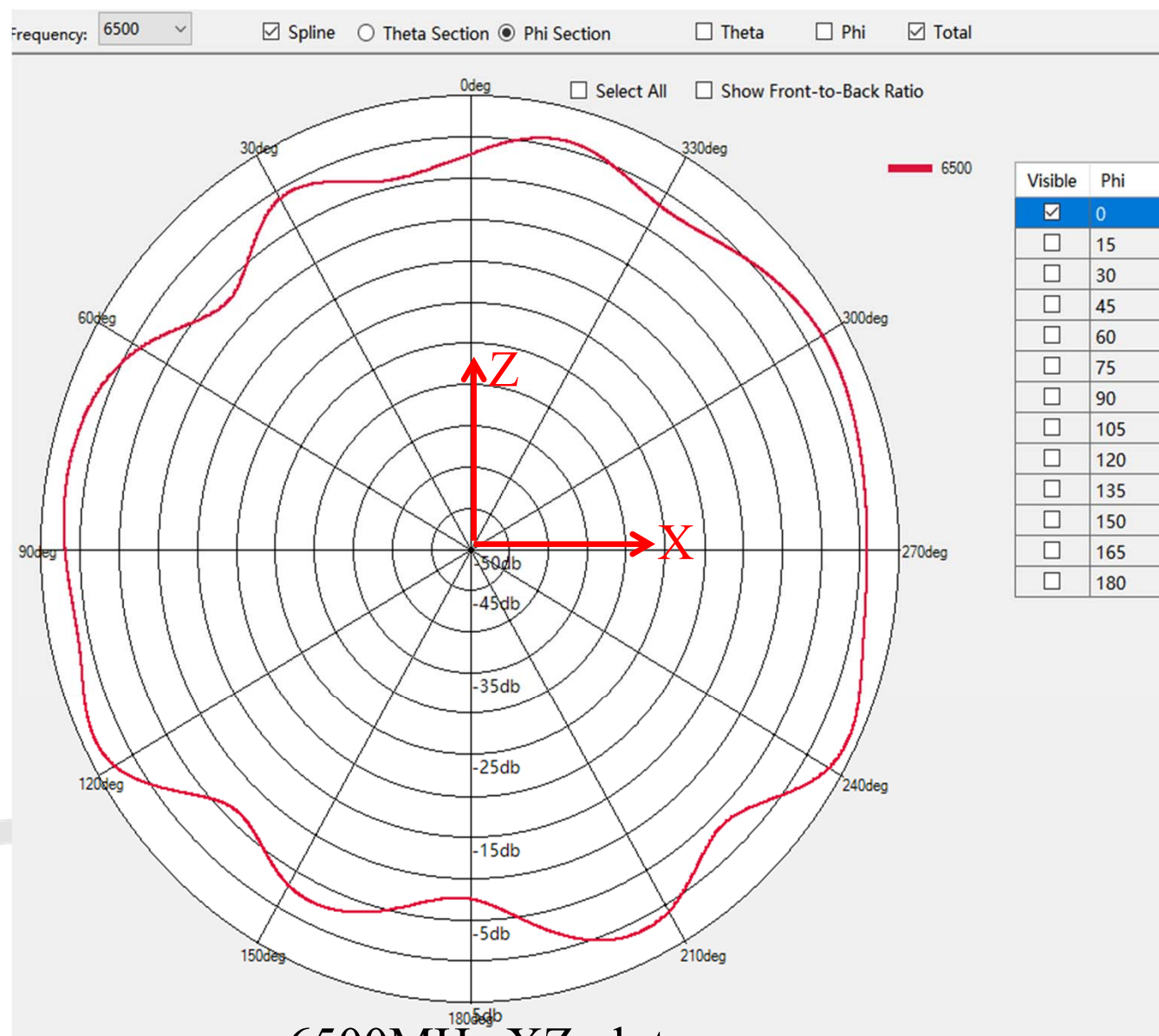
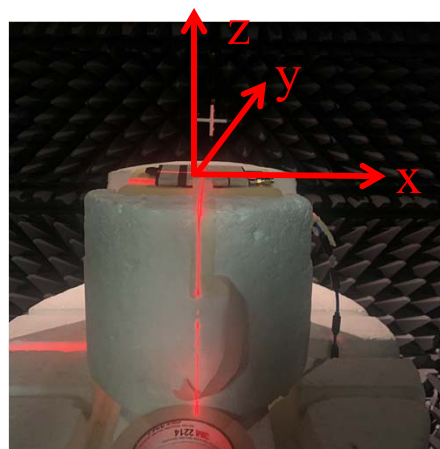
Efficiency & Gain- UWB antenna

Freq(MHz)	Gain	Efficiency_Pcent	Freq(MHz)	Gain	Efficiency_Pcent
6000	4.98	74%	7250	4.25	67%
6050	5.04	80%	7300	4.64	67%
6100	4.99	81%	7350	4.99	67%
6150	4.87	84%	7400	5.19	68%
6200	4.71	85%	7450	5.42	67%
6250	4.35	80%	7500	5.59	66%
6300	4.45	81%	7550	5.70	65%
6350	4.42	75%	7600	5.93	65%
6400	4.69	74%	7650	6.02	65%
6450	4.90	72%	7700	6.14	66%
6500	4.98	70%	7750	6.06	66%
6550	5.45	73%	7800	5.77	66%
6600	5.42	72%	7850	5.55	66%
6650	5.53	74%	7900	5.13	63%
6700	5.53	75%	7950	5.12	64%
6750	5.54	76%	8000	5.06	62%
6800	5.69	76%	8050	4.86	57%
6850	5.49	74%	8100	5.08	57%
6900	5.41	71%	8150	5.06	57%
6950	4.66	65%	8200	5.29	59%
7000	4.38	63%	8250	4.93	58%
7050	4.45	64%	8300	4.40	52%
7100	4.32	62%	8350	4.26	52%
7150	4.24	63%	8400	3.80	52%
7200	4.10	64%	8450	3.63	50%
			8500	3.85	50%

UWB Antenna _3D Radiation Pattern

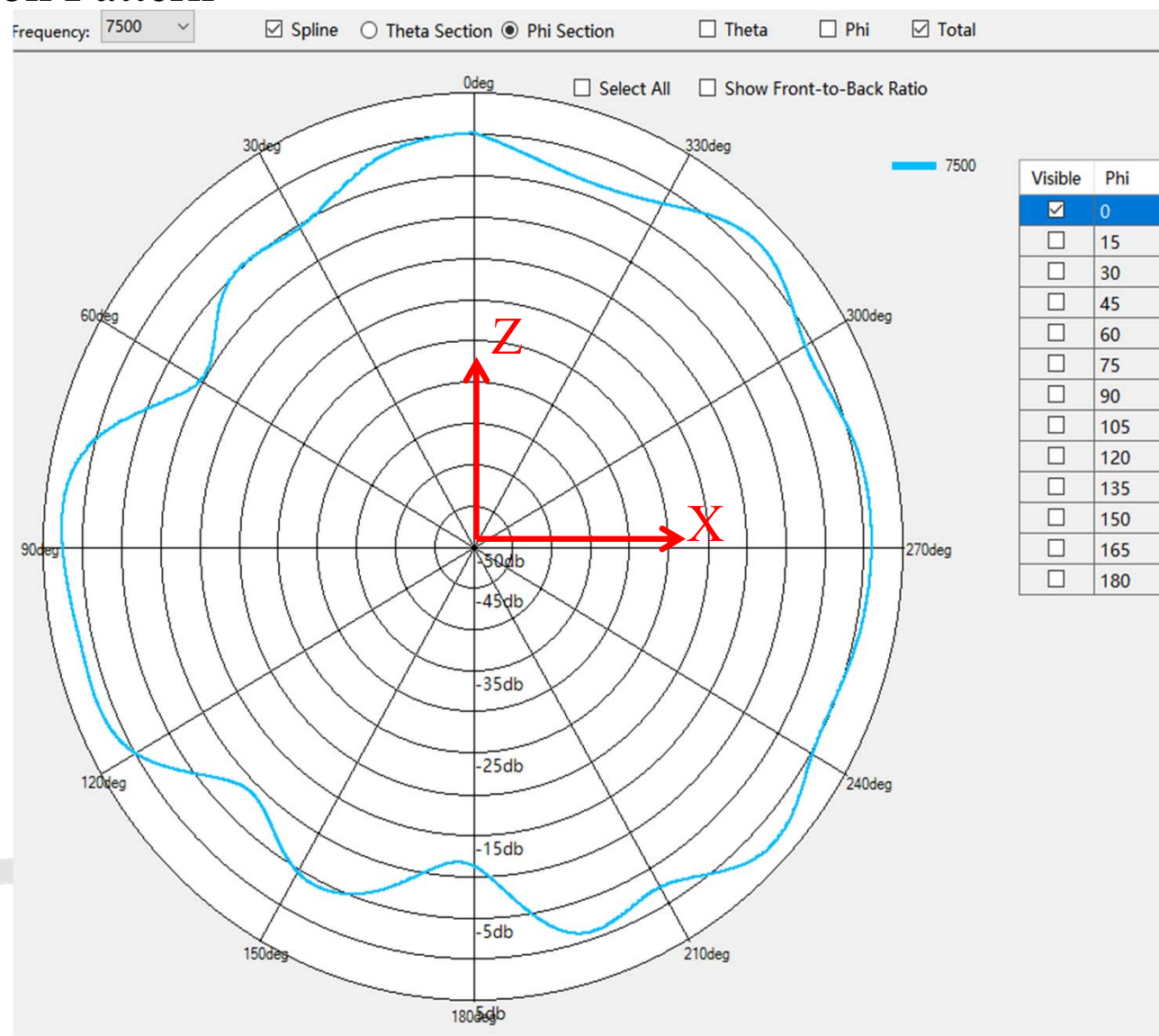
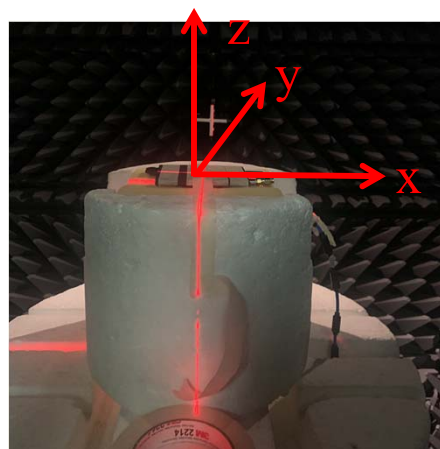


UWB Antenna _2D Radiation Pattern



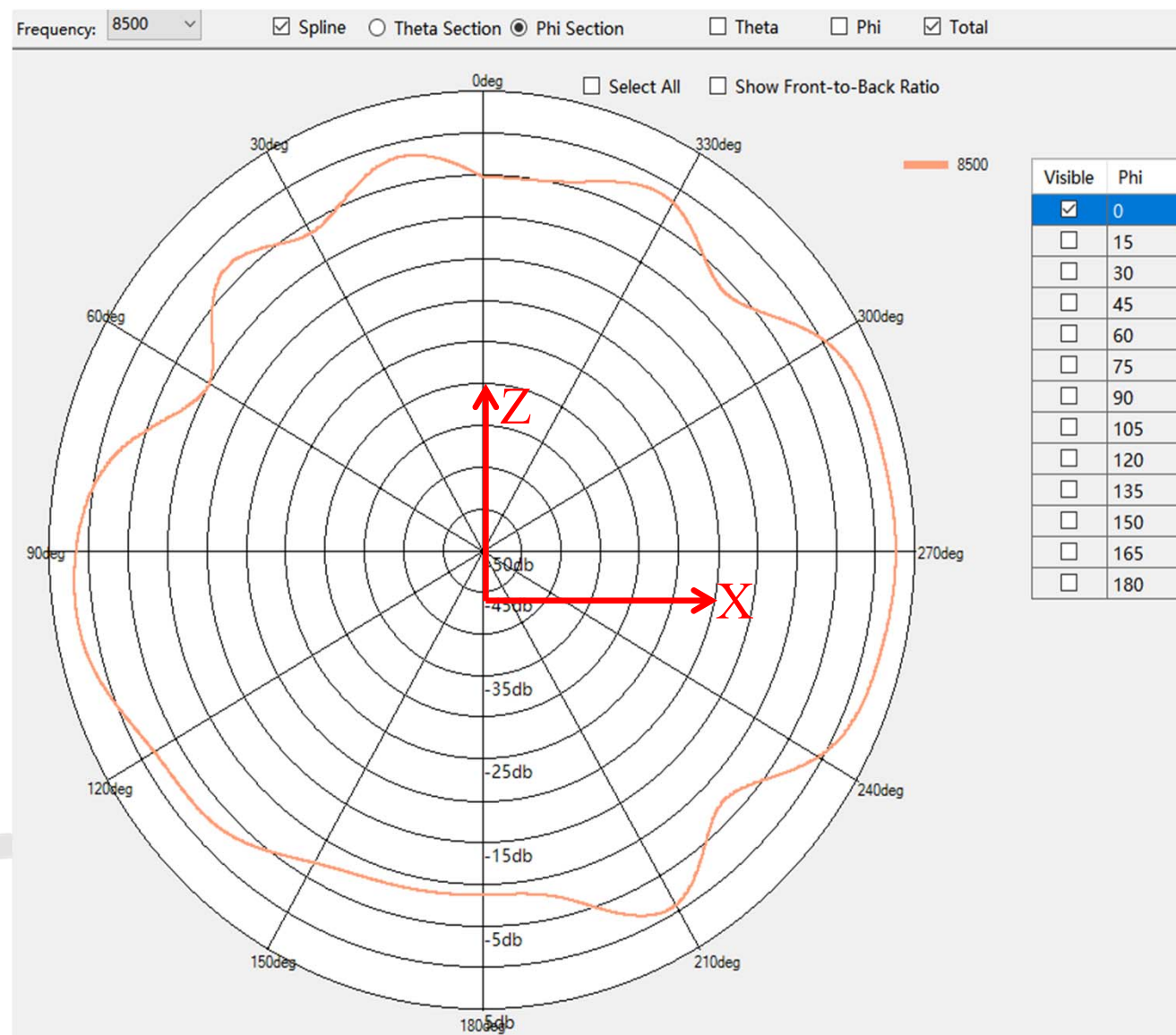
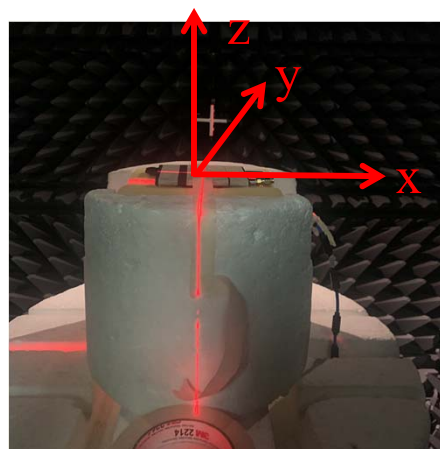
6500MHz XZ plot

UWB Antenna _2D Radiation Pattern



7500MHz XZ plot

UWB Antenna _2D Radiation Pattern



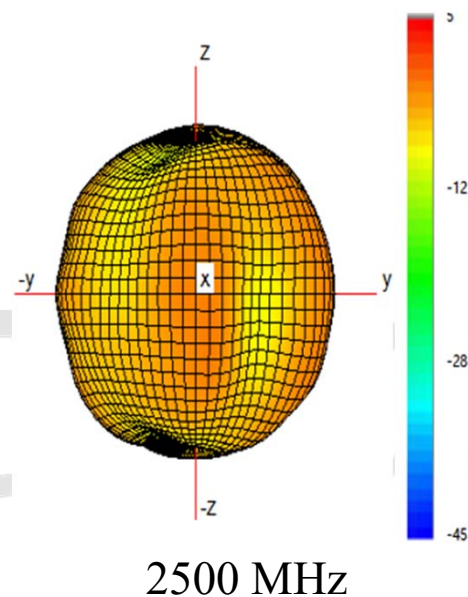
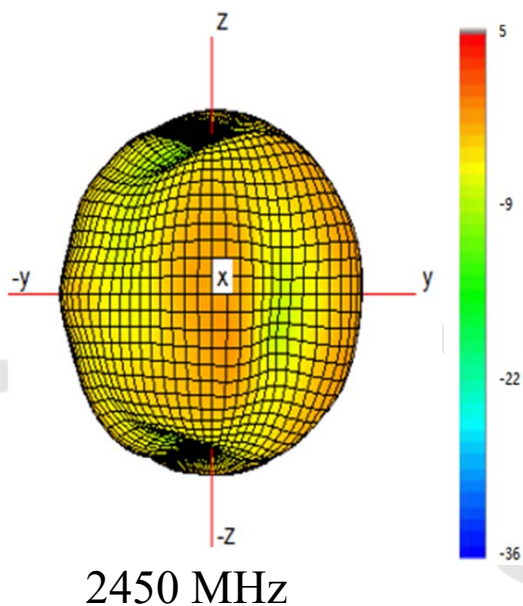
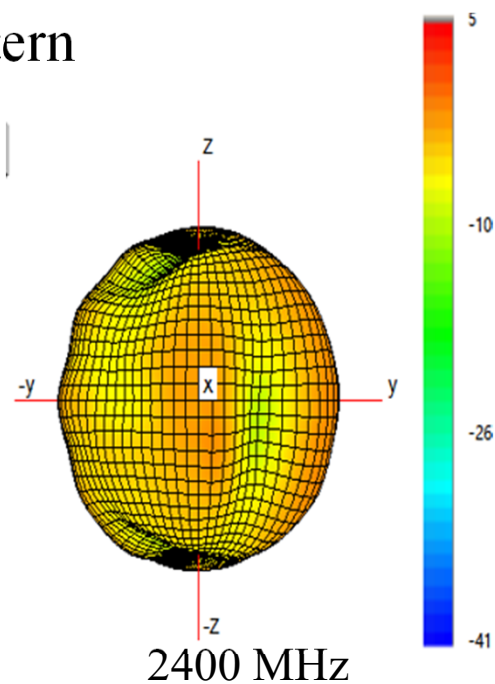
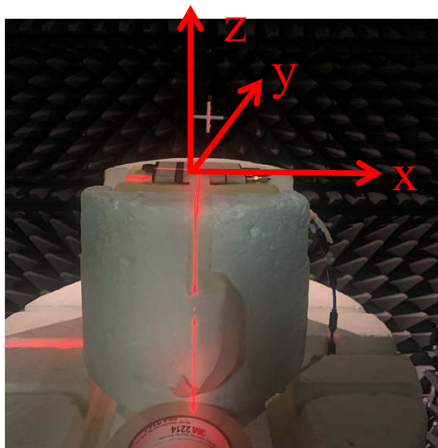
8500MHz XZ plot



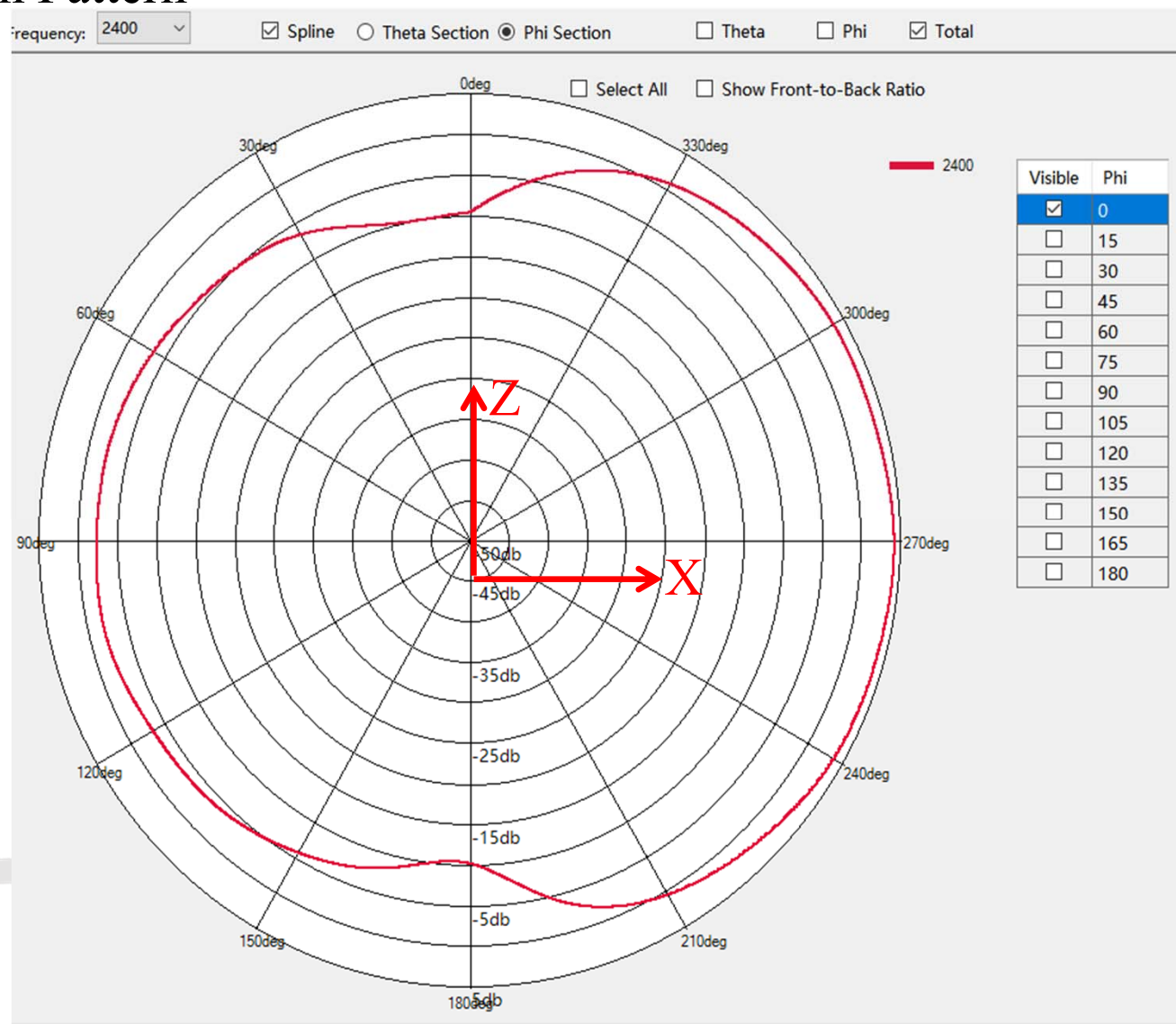
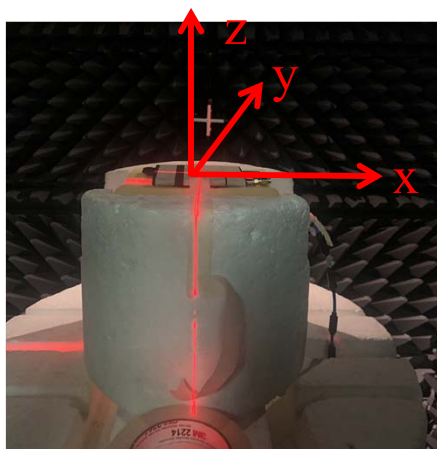
Efficiency & Gain- BLE antenna

Freq(MHz)	Gain	Efficiency_Pcent
2300	2.46	53%
2310	2.52	54%
2320	2.77	56%
2330	2.92	59%
2340	3.15	62%
2350	3.49	65%
2360	3.72	67%
2370	3.89	69%
2380	4.05	70%
2390	4.08	71%
2400	4.13	72%
2410	4.17	73%
2420	4.18	74%
2430	4.22	75%
2440	4.29	75%
2450	4.48	78%
2460	4.61	79%
2470	4.77	82%
2480	4.82	83%
2490	4.86	83%
2500	4.76	83%
2510	4.76	83%
2520	4.77	83%
2530	4.67	81%
2540	4.56	80%
2550	4.51	78%
2560	4.53	78%
2570	4.52	76%
2580	4.52	76%
2590	4.49	75%
2600	4.34	72%

BLE Antenna _3D Radiation Pattern

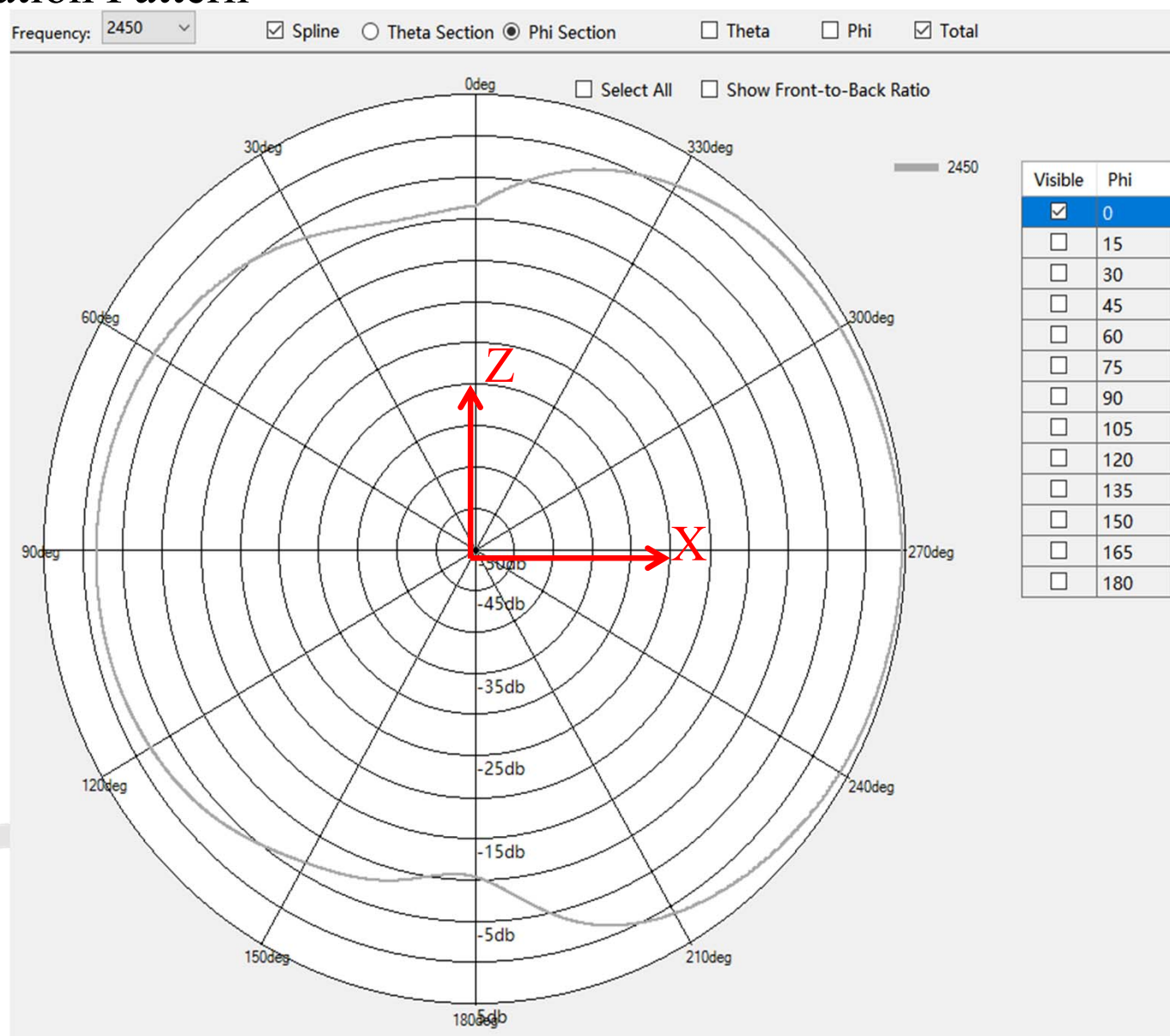
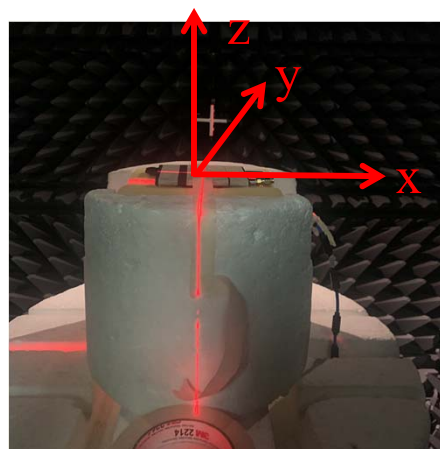


UWB Antenna _2D Radiation Pattern



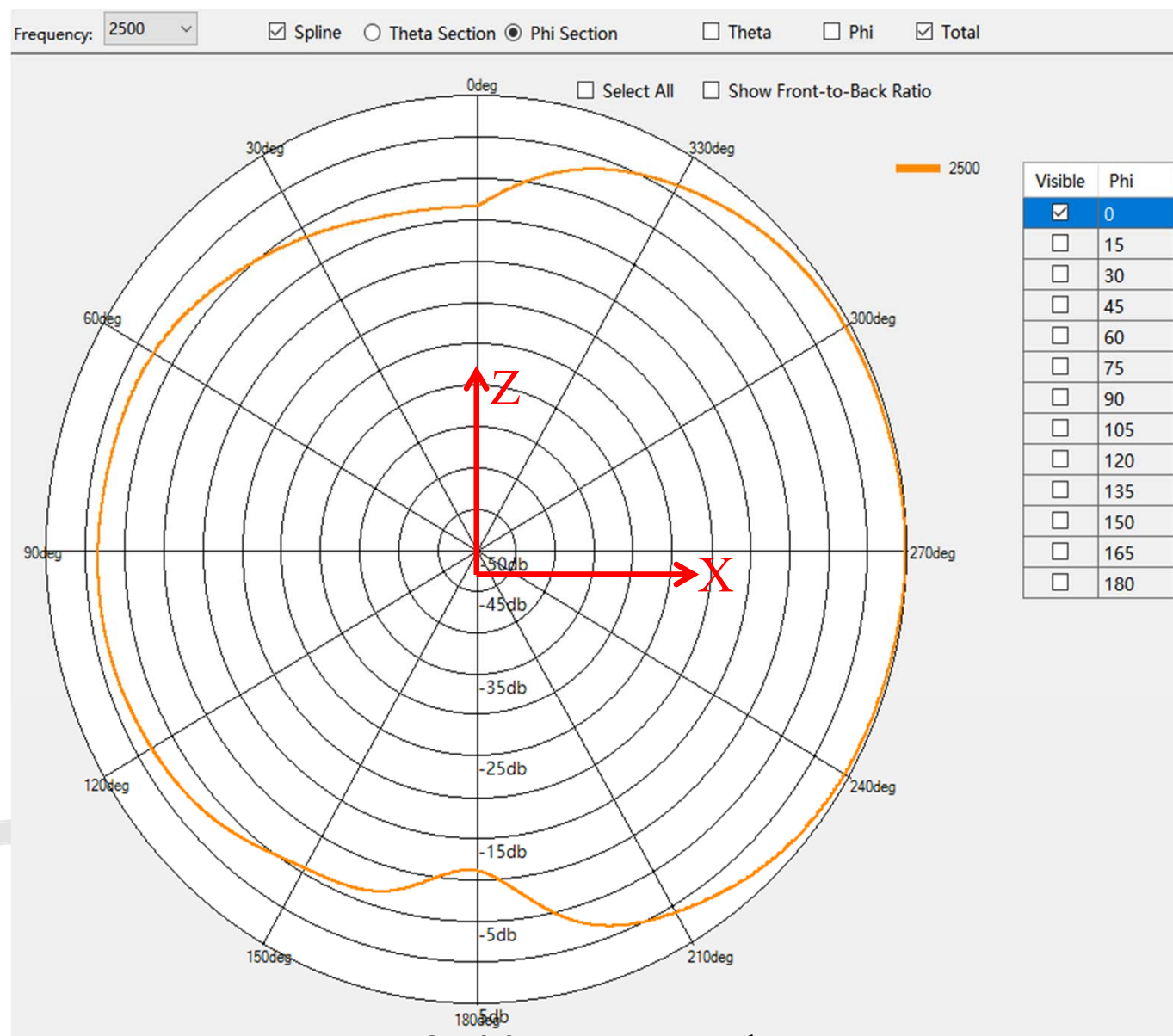
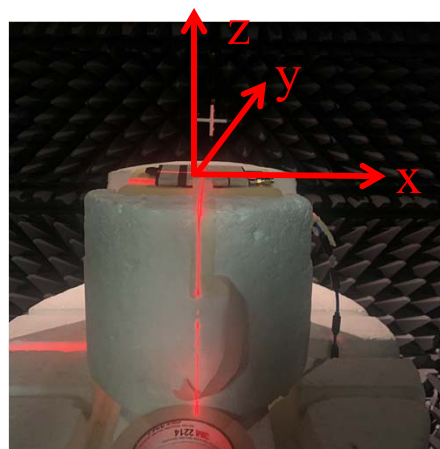
2400MHz XZ plot

UWB Antenna _2D Radiation Pattern



2450MHz XZ plot

UWB Antenna _2D Radiation Pattern



2500MHz XZ plot



Thanks !

