

Product: HT34BT

Description: Inverter-F PCB antenna performance

CCT: HT34BT_ALL02_V17

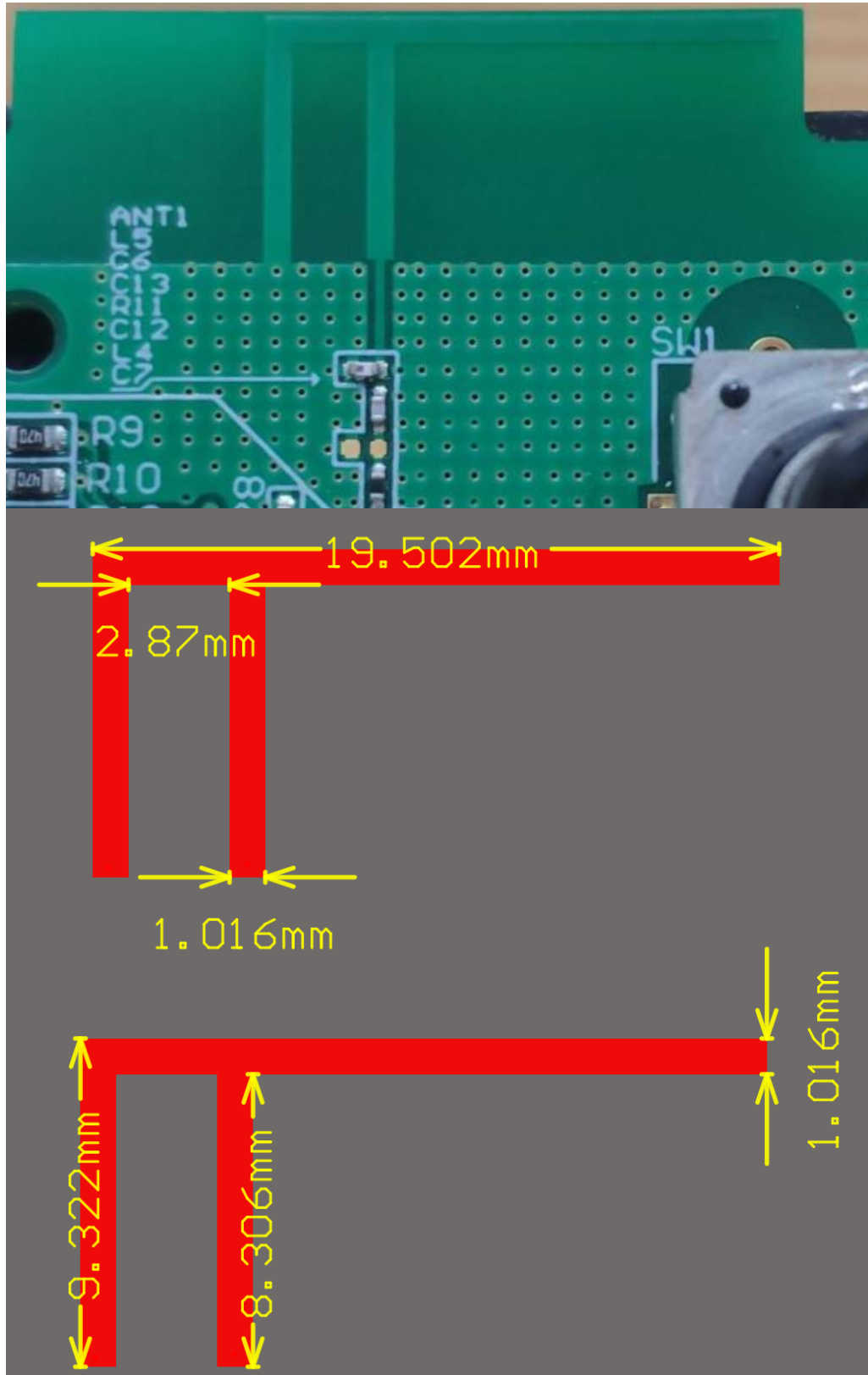
PCB: HT34BTALL02V15

Prepared by Tom Yau, Date: 12 Jan 2024

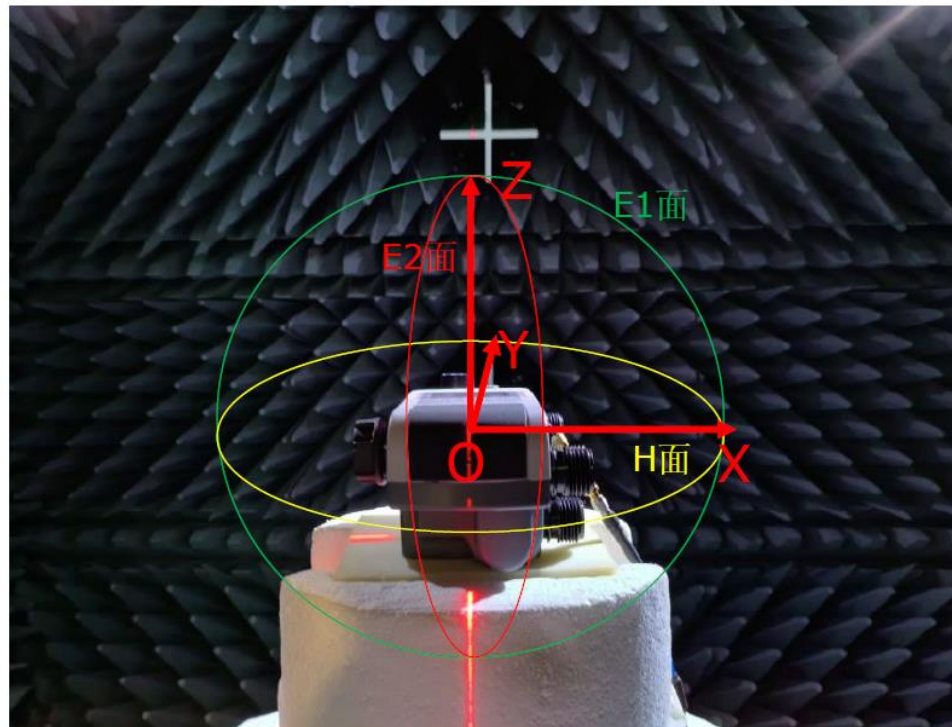
Testing sample:



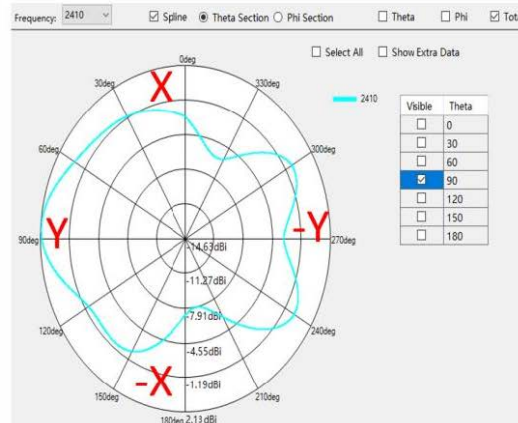
Antenna



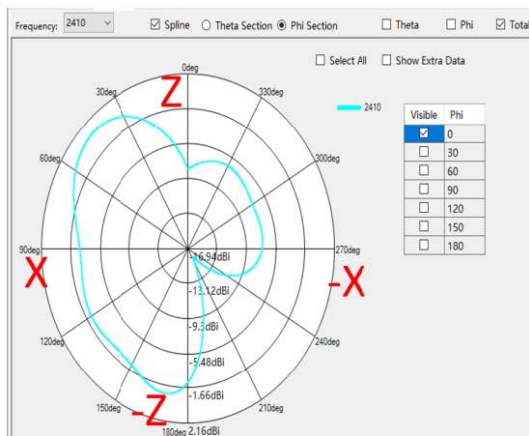
Coordinate testing diagram for darkroom testing



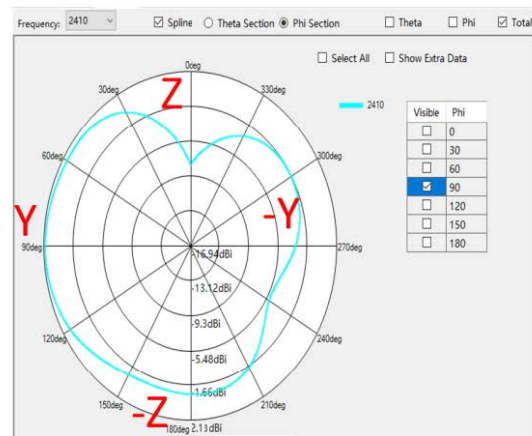
2D/3D (2410MHz)



H

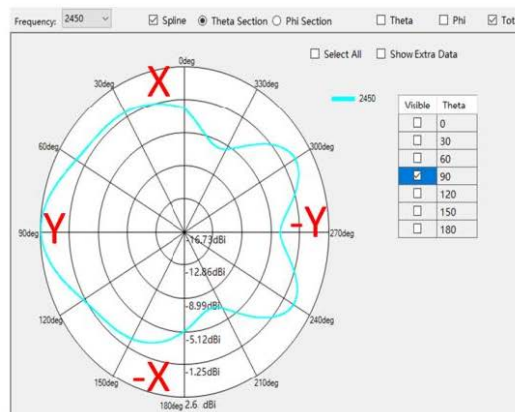


E1

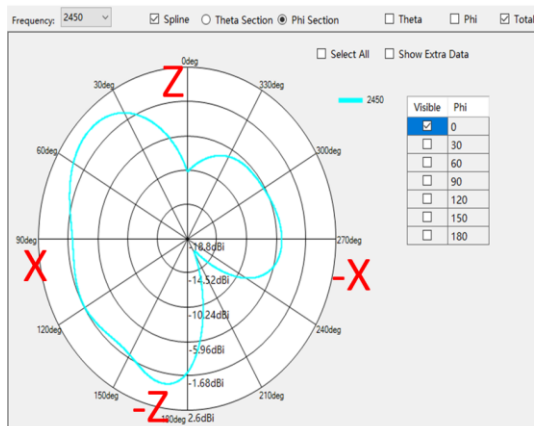


E2

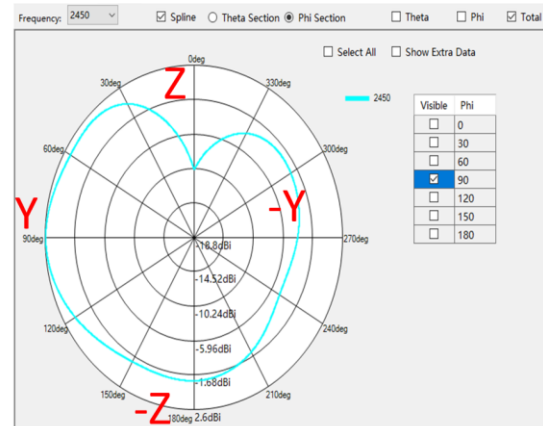
2D/3D (2450MHz)



H

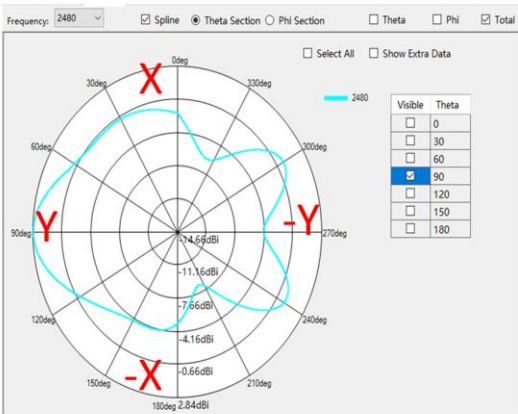


E1

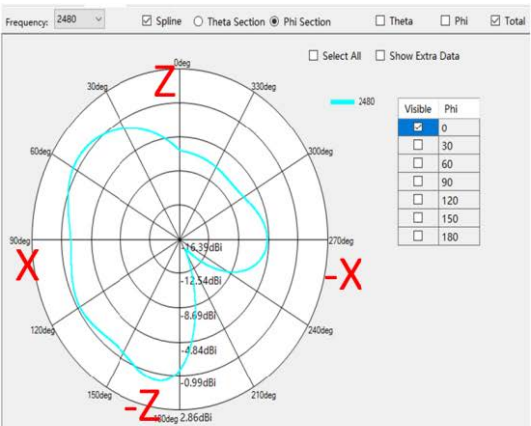


E2

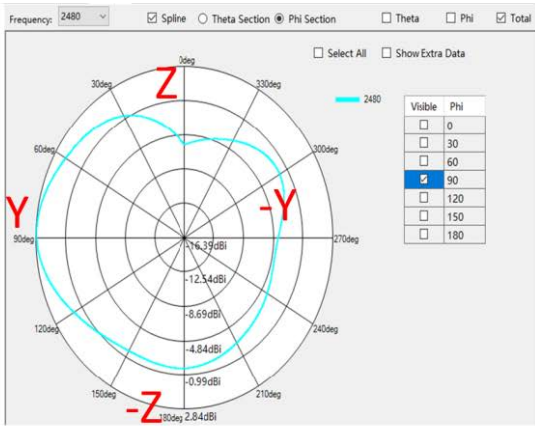
2D/3D (2480MHz)



H



E1



E2

Passive antenna test data

Freq (MHz)	Gain	Effi (%)
2400	2.3	72.56
2405	2.16	71.96
2410	2.13	70.51
2415	2.14	70.77
2420	2.18	70.55
2425	2.29	70.75
2430	2.34	70.9
2435	2.35	71.26
2440	2.51	71.14
2445	2.51	70.33
2450	2.6	71.65
2455	2.6	71.14
2460	2.56	69.28
2465	2.55	68.31
2470	2.61	68.69
2475	2.79	67.7
2480	2.84	65.78
2485	3.07	65.24
2490	3.27	64.16
2495	3.22	62.62
2500	2.93	62.03