

Product: HT34BT

Description: Inverter-F PCB antenna performance

CCT: HT34BT\_ALL02\_V17

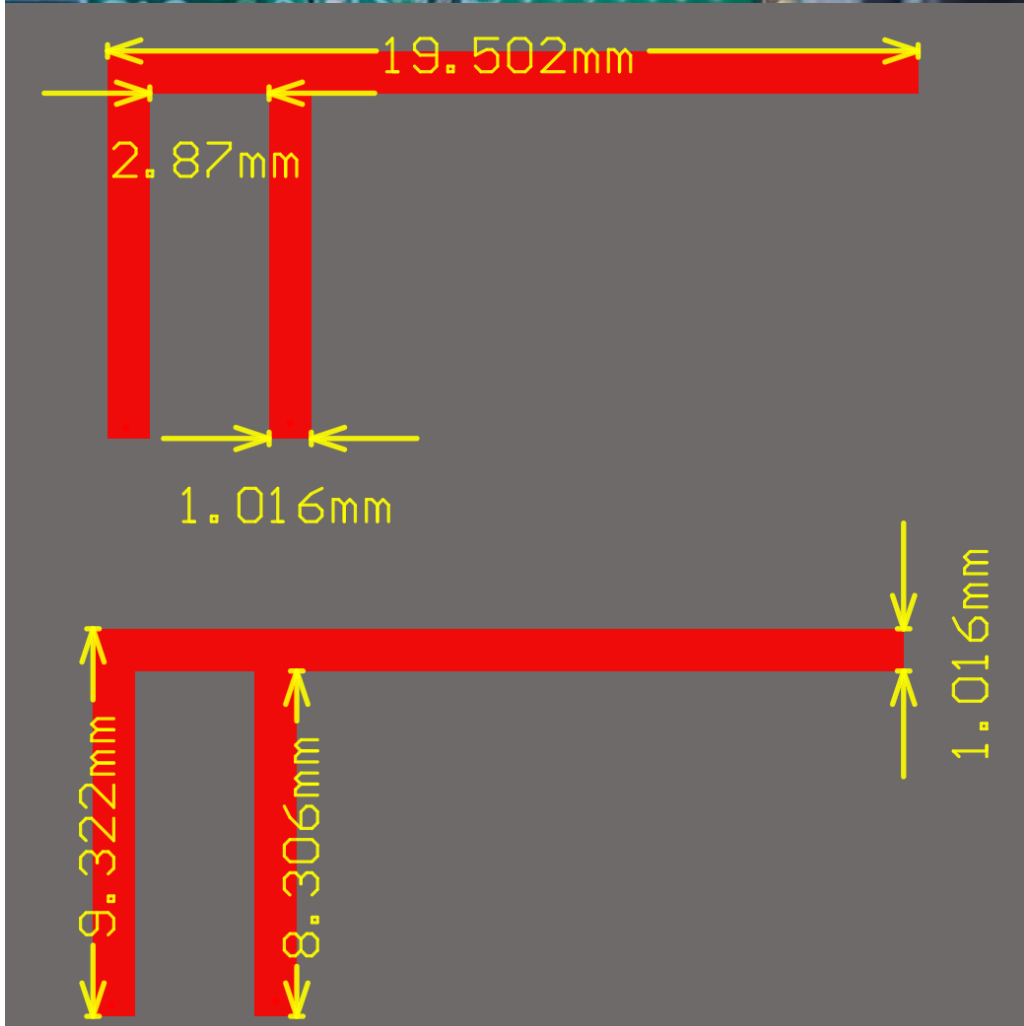
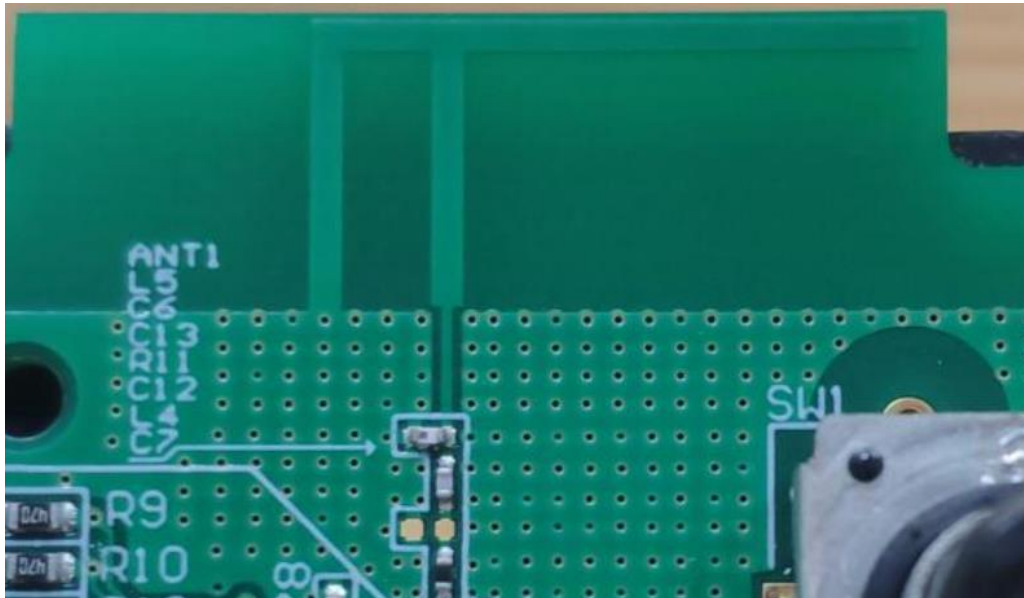
PCB: HT34BTALL02V15

Prepared by Tom Yau, Date: 12 Jan 2024

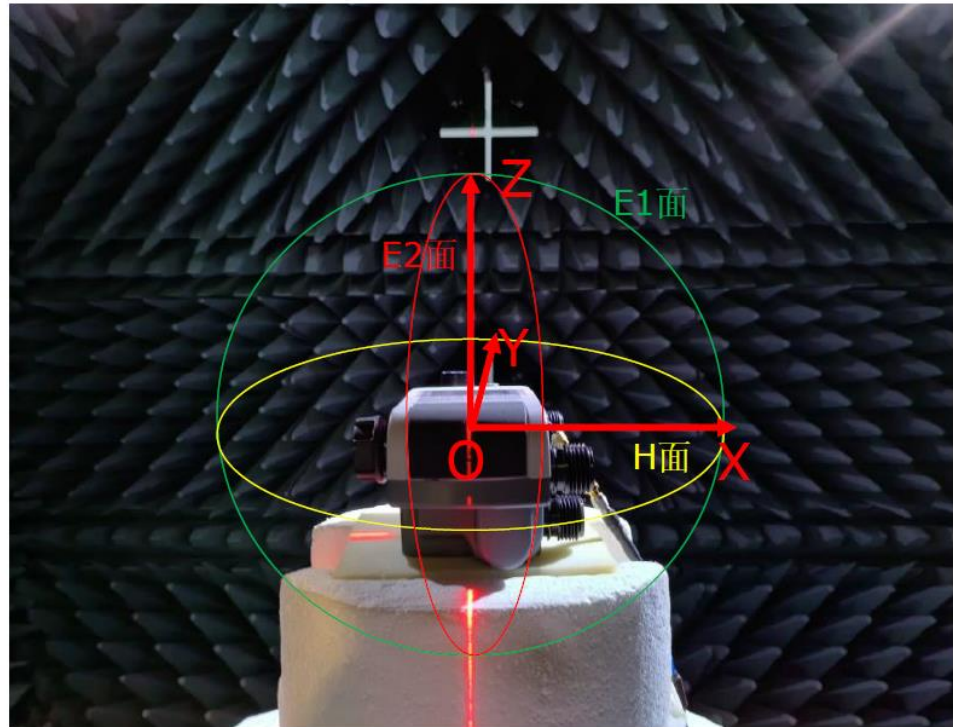
### Sample:



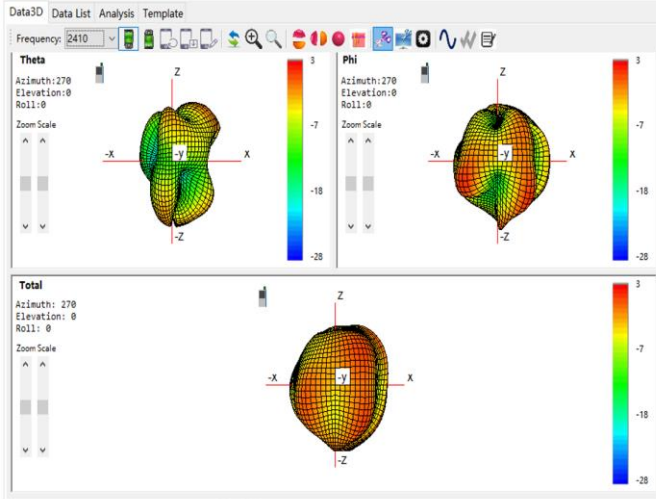
### Antenna



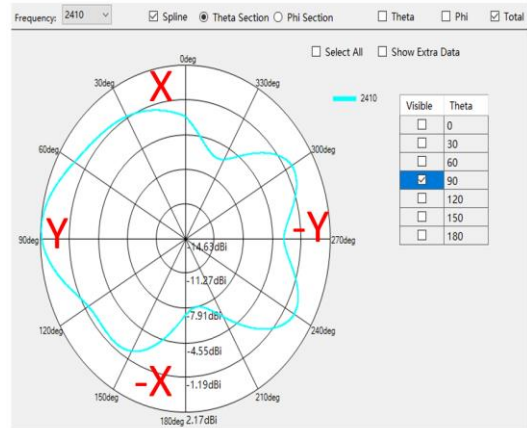
### Coordinate testing diagram for darkroom testing



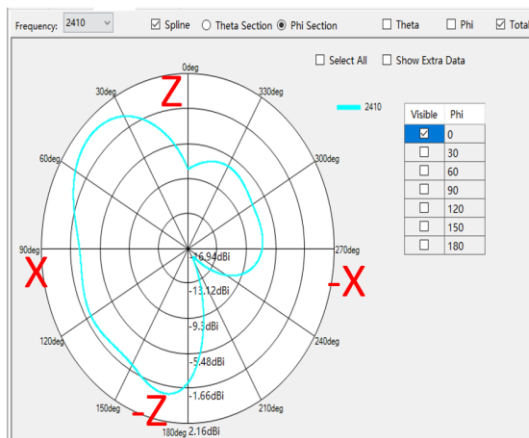
### 2D/3D (2410MHz)



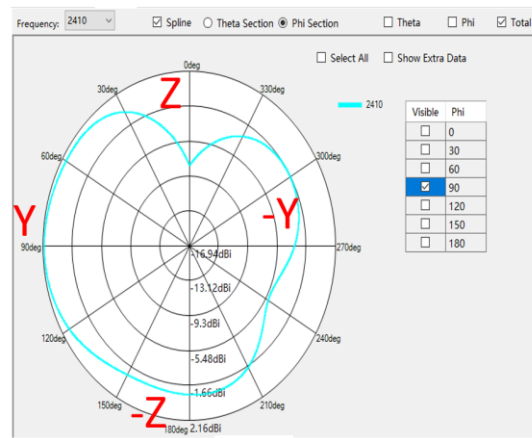
3D



H

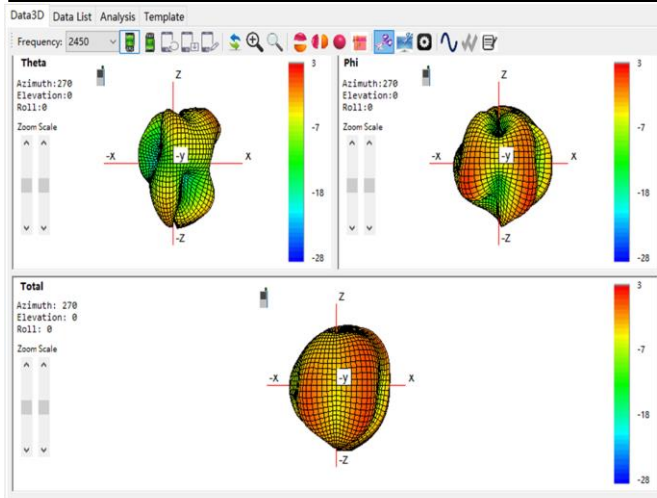


E1

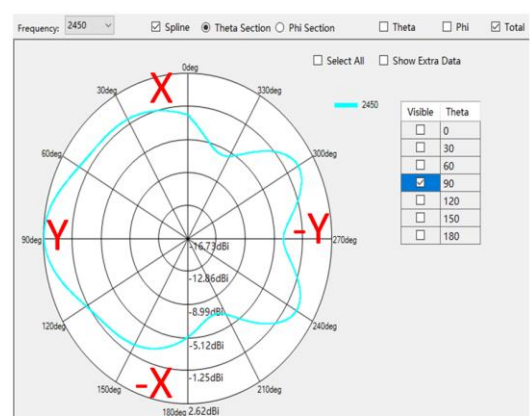


E2

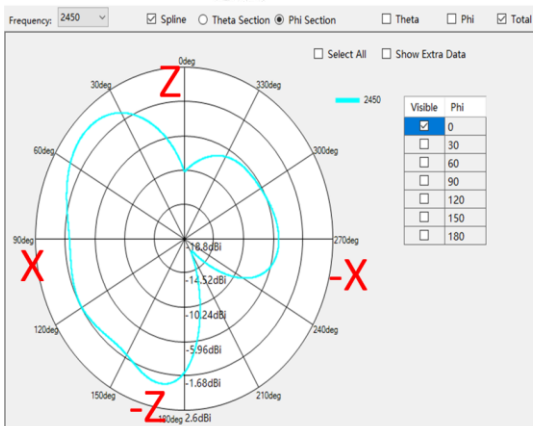
### 2D/3D (2450MHz)



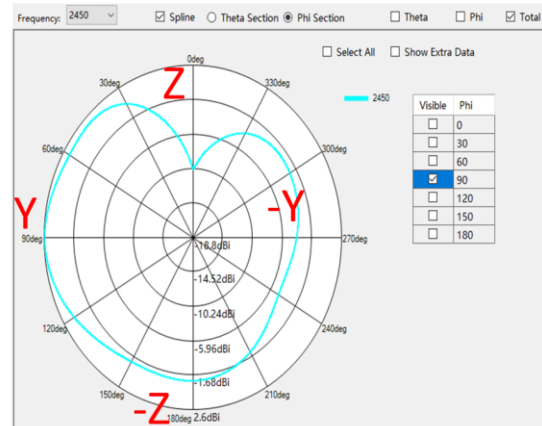
3D



H

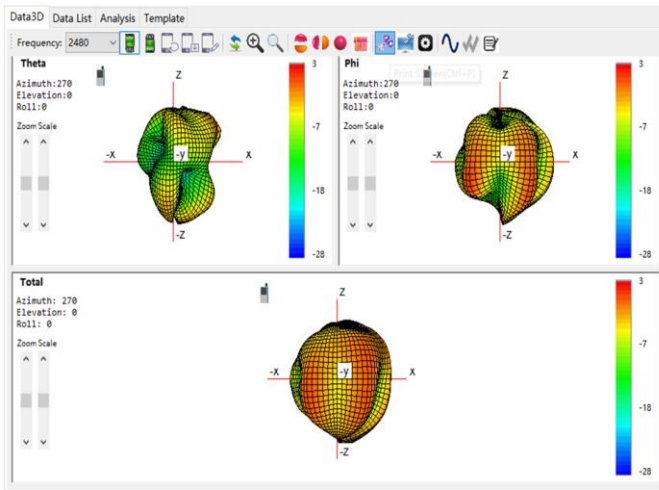


E1

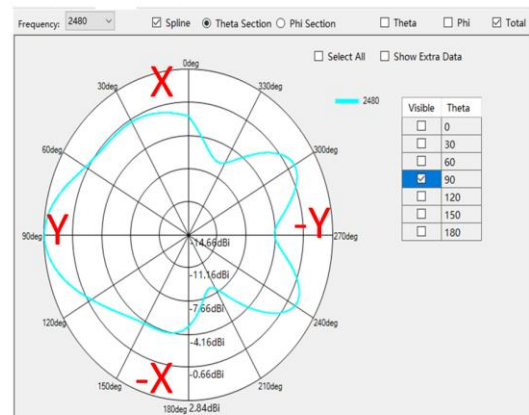


E2

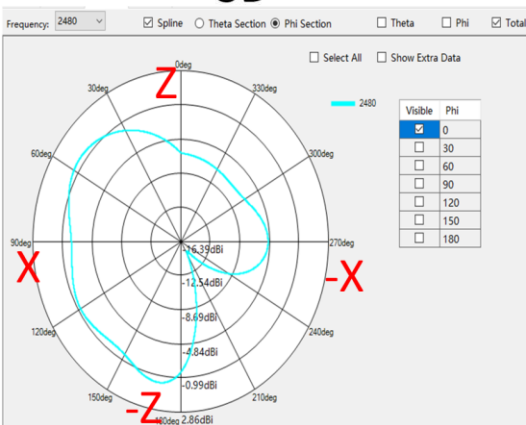
### 2D/3D (2480MHz)



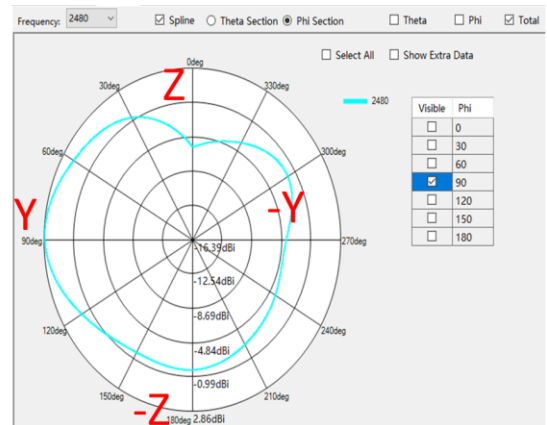
**3D**



**H**



**E1**



**E2**

## Passive antenna test data

Freq (M Hz)	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