

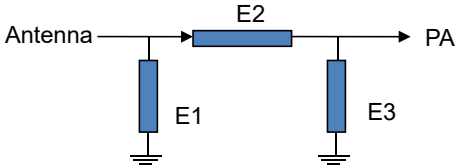
TAB4000&TAB4500 Antenna Specification

Date: 2024/11/5

Antenna	Frequency band	Texture of wood	Performance requirement
BT	2400-2480MHz	PCB	

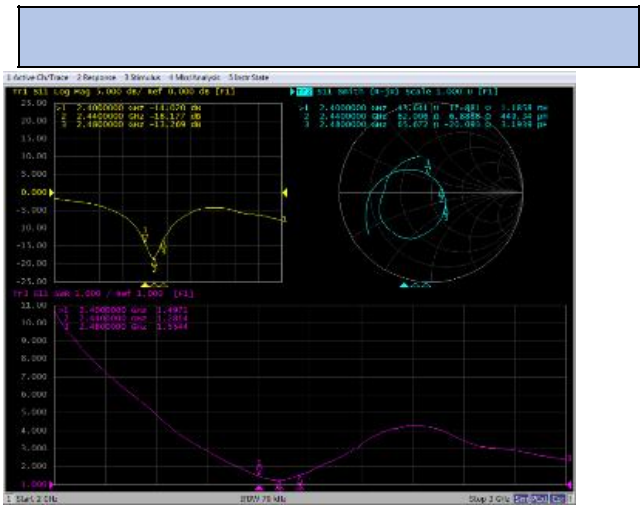
Manufacturer: Dongguan HC Technology Co., Ltd.
Address: Dongguan HC Technology Co., Ltd.

Antenna end matching circuit:



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

Passive S11 parameter test of antenna:

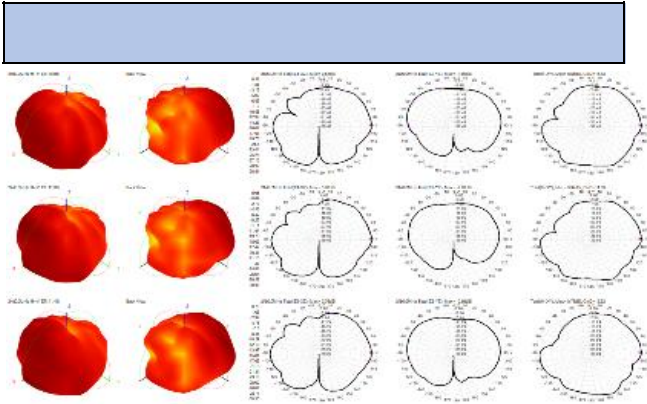


Freq (MHz)	2400	2440	2480
SWR	1.50	1.28	1.55
Log Mag	-14.02	-18.18	-13.27

Passive efficiency and gain test of antenna:

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

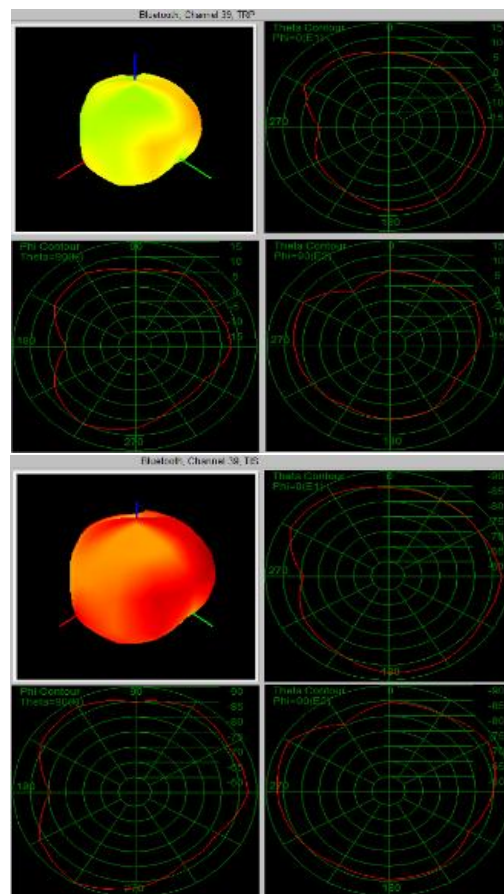
Antenna passive radiation pattern:



Antenna OTA test:



Channels	TRP	TIS
0	6.06	-86.32
39	6.60	-86.19
78	6.51	-88.50



Antenna position and matching picture parameters have been imported.

