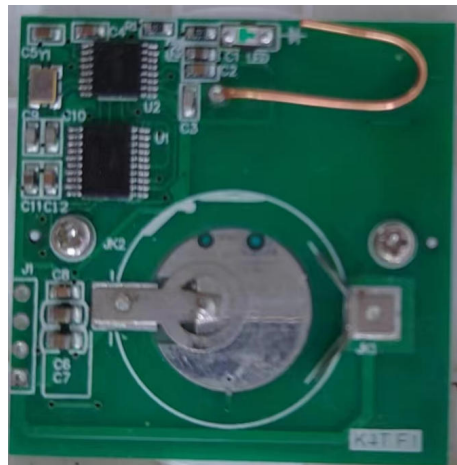


1. Description

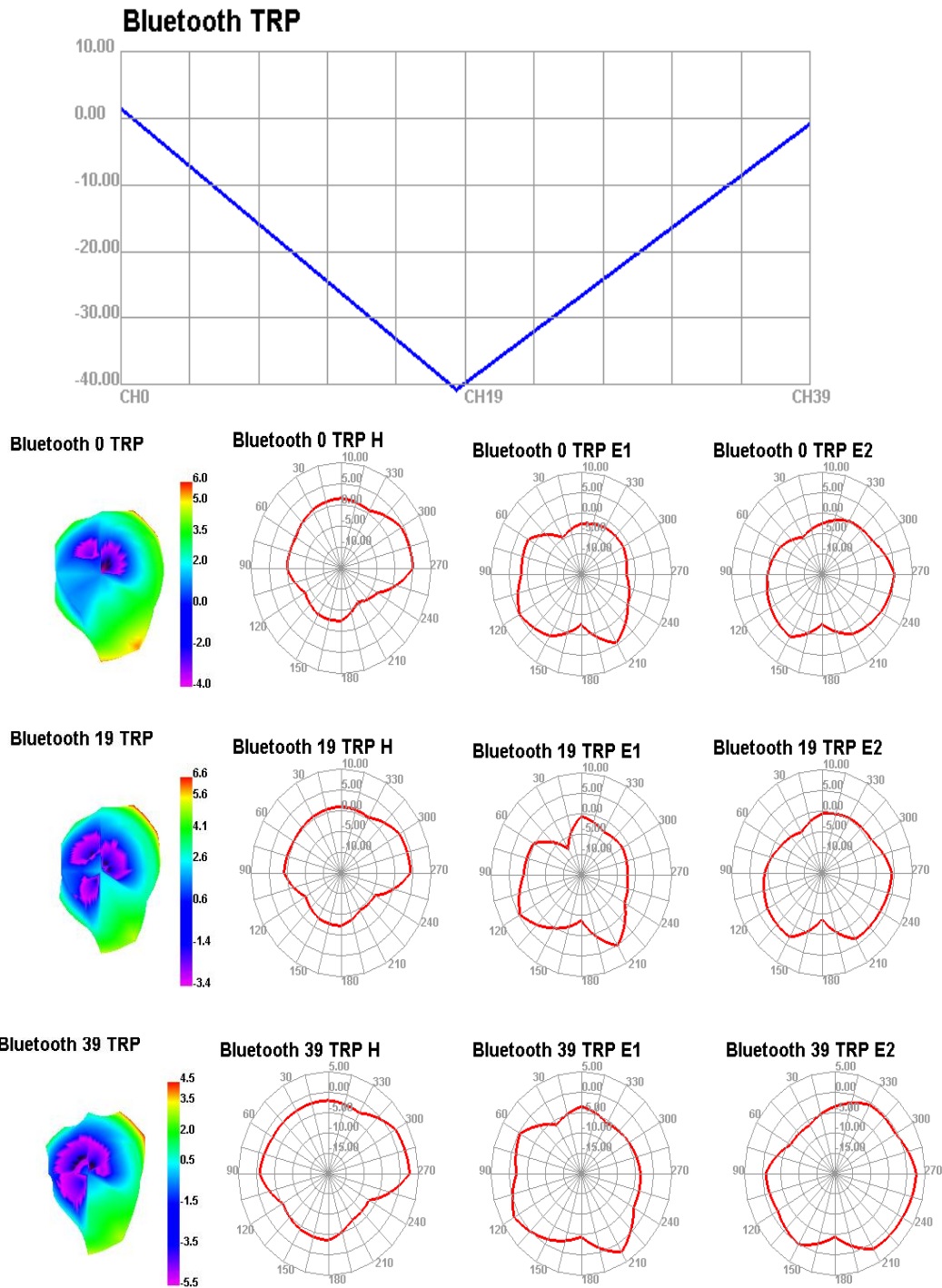
	Antenna module on the system board	
Antenna type	Copper Antenna	
Frequency	2402-2480 MHz	
Peak EIRP(dBm)	1.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain (dBi)	2.5 (Peak Gain XZ-plane)	
Average Gain (dB)	-0.5 (Avg Gain XY-plane)	
Antenna Manufacture	Shenzhen ATWE Antenna Co., Ltd	
Antenna test Lab	Shenzhen ATWE Antenna Co., Ltd	

2. Location



3. Bluetooth TRP

Test	Bluetooth TRP		
Result	0	19	39
Frequency (MHz)	2475	2476	2478
TRP(dBm)	1.46	1.36	-0.86
NHPRP(dBm) 45	0.27	0.09	-2.14
MAX(dBm)	6.02	6.58	4.46
EIRP peak	6.02	6.58	4.46
Min(dBm)	-11.77	-10.46	-11.33
Attenuation Horizontal	41.17	42.08	41.17
Attenuation Vertical	41.16	42.07	41.16

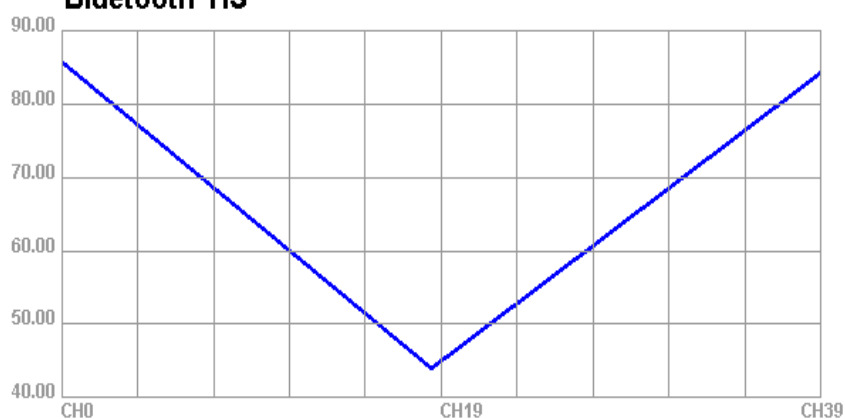


4. Bluetooth TIS

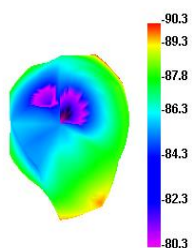
Test	Bluetooth TIS		
Result	0	19	39
Frequency (MHz)	2475	2476	2478
TIS(dBm)	-85.74	-86.14	-84.25
NHPIS(dBm) 45	-84.56	-84.86	-82.97
RSSI Ave	2.37	1.36	0.05

MaxPosRSSI	5.7	4.81	2.88
MaxPosSens	-89.08	-89.58	-87.08
MAX(dBm)	6.93	6.58	5.37
EIS peak	6.93	6.58	5.37
Min(dBm)	-10.86	-10.46	-10.42
Attenuation Horizontal	42.08	42.08	42.08
Attenuation Vertical	42.07	42.07	42.07

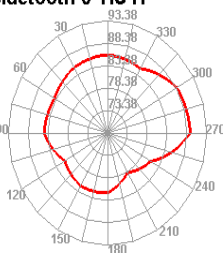
Bluetooth TIS



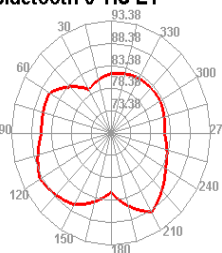
Bluetooth 0 TIS



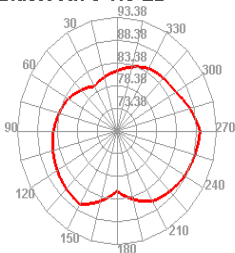
Bluetooth 0 TIS H



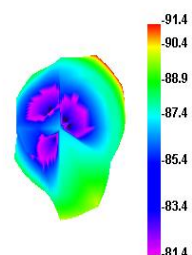
Bluetooth 0 TIS E1



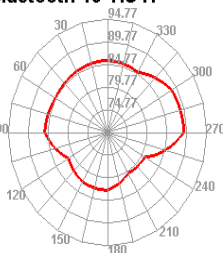
Bluetooth 0 TIS E2



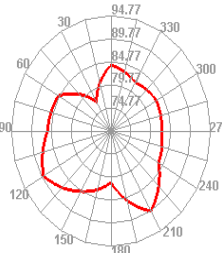
Bluetooth 19 TIS



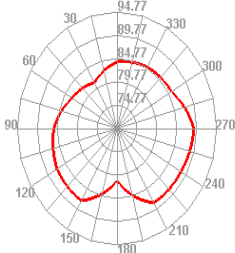
Bluetooth 19 TIS H



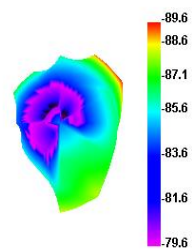
Bluetooth 19 TIS E1



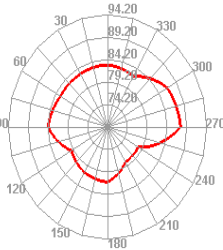
Bluetooth 19 TIS E2



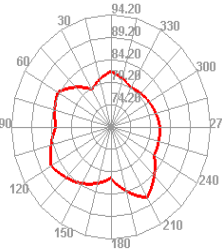
Bluetooth 39 TIS



Bluetooth 39 TIS H



Bluetooth 39 TIS E1



Bluetooth 39 TIS E2

