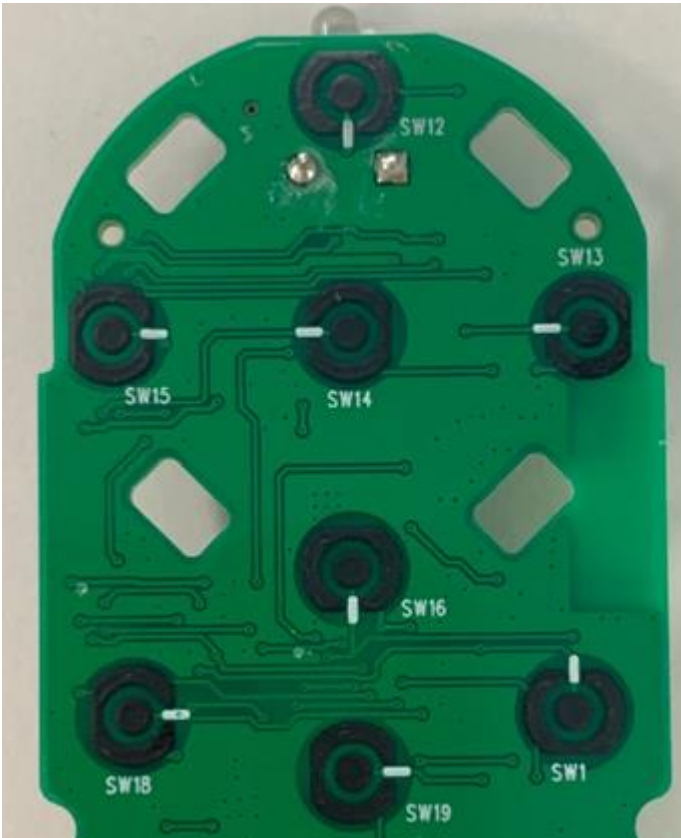


Technical Document 技术文件名称	Details 详细说明
Operating Temp 工作温度:	<u> -20 </u> °C to <u> 85 </u> °C
Operating Voltage 工作电压:	Nominal Voltage: <u> 3.0 </u> V High Voltage: <u> 3.2 </u> V Low Voltage: <u> 2.2 </u> V ☒ DC;
WiFi	☐ 支持 ☒ 不支持
Frequency Range 频率范围:	
Modulation Technique 调制技术:	
Modulation Type 调制类型:	
Data Rate(Mbps) 传输速率:	
Antenna Type 天线类型:	
Antenna Gain 天线增益:	
Antenna Configuration 天线配置:	
RF Conducted Power 射频传导功率:	
DFS(Dynamic Frequency Selection) mode 动态频率选择模式:	
蓝牙	☒ 支持 ☐ 不支持
Frequency Range 频率范围:	2.402GHz~2.480GHz
BT Version/蓝牙版本:	BLE 4.2
Modulation Type/调制类型:	GFSK
Data Rate(Mbps)/传输速率:	250 kbps
Antenna Type/天线类型:	PCB Antenna
Antenna Gain/天线增益:	1.83 dBi
RF Conducted Power/ 射频传导功率:	-3.0dB ±1.5dB
Pattern antenna development	Kyung In Electronics

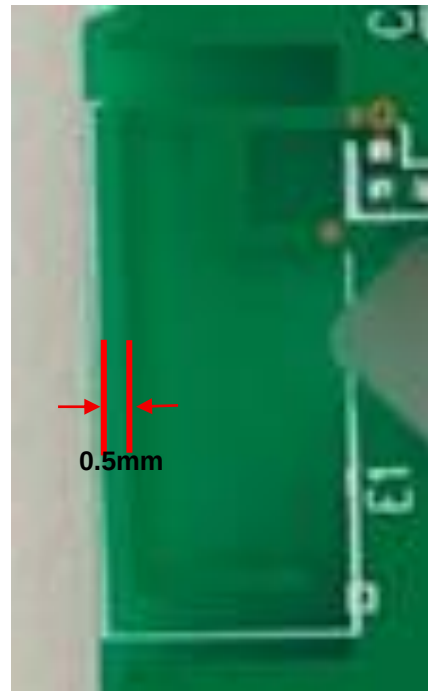
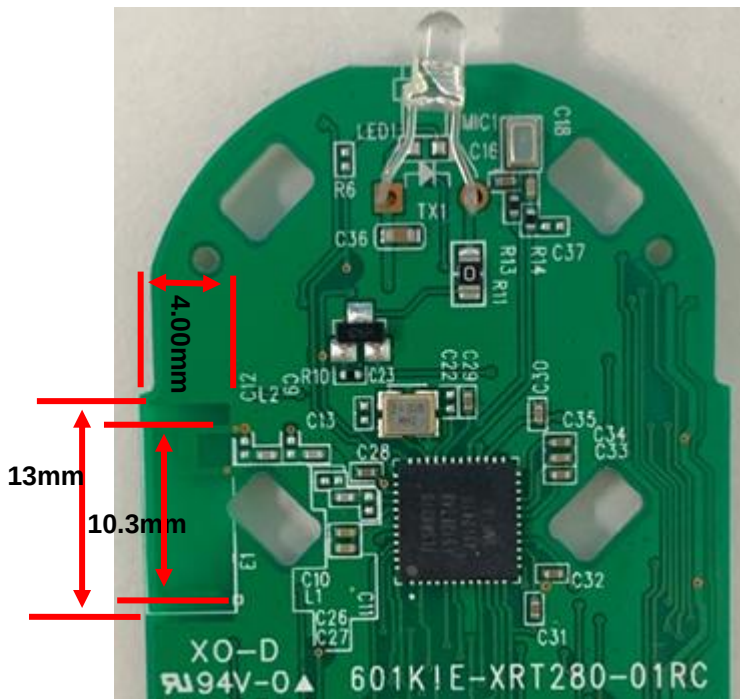
1. Antenna 외관

PCB Antenna

2. PCB Top Side

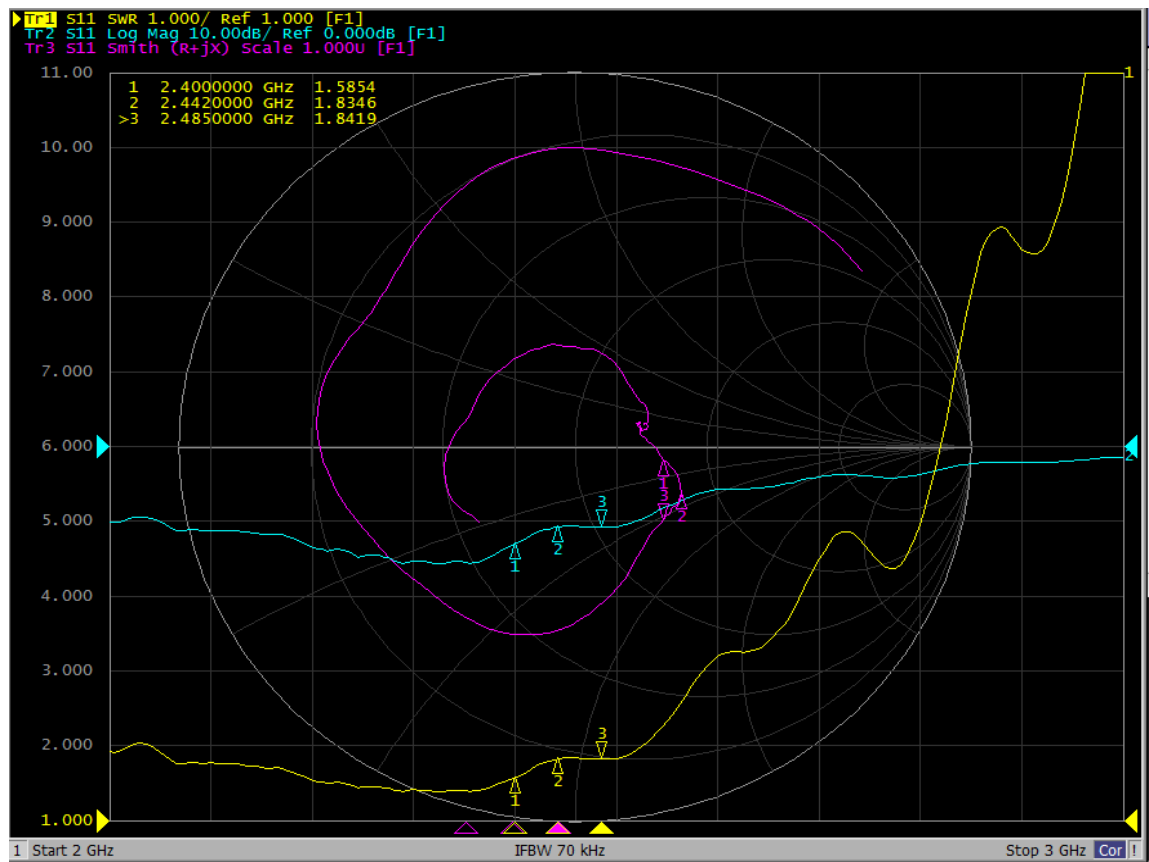


- PCB Bottom Side



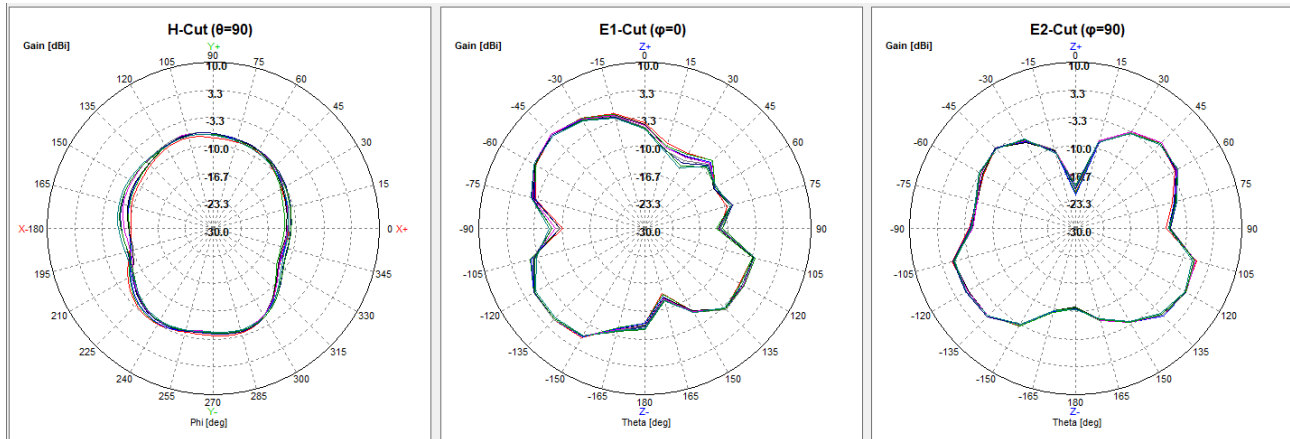
2. Characteristics curve

2.1 S11/ SWR



3. 2D Radiation characteristics of antenna

3.1 Frequency



3.4 Result Summary

Freq.[GHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]
2.4	64.54	-1.90	1.83
2.41	63.75	-1.95	1.80
2.42	62.87	-2.02	1.72
2.43	60.82	-2.16	1.62
2.44	62.68	-2.03	1.77
2.45	63.77	-1.95	1.75
2.46	63.44	-1.98	1.63
2.47	61.87	-2.09	1.45
2.48	59.83	-2.23	1.27

Telink Semiconductor (Shanghai) Co., Ltd
Bidg 3, 1500 Zuchongzhi Rd,Zhangjiang Hi-Tech Park, Shanghai, China