Product specification

Quick Reference Date

Bluetooth Standard	Bluetooth V5.4
Host Interface	UART
Antenna Reference	Small antennas with 0~2dBi peak gain
Frequency Band	2400 MHz ~ 2483.5 MHz
Number of Channels	79 channels
Modulation	GFSK, π/4-DQPSK, 8-DPSK

RF Specification			
	Min(dBm)	Typical(dBm)	Max(dBm)
Output Power (Class 1)	2	6	10
Sensitivity@BER=0.1%for GFSK (1Mbps)		-92	
Sensitivity@BER=0.01%For π/4-DQPSK(2Mbps)		-86	
Sensitivity@BER=0.01%for 8DPSK (3Mbps)		-85	
Maximum Input Level	GFSK (1Mbps):-20dBm		
	π/4-DQPSK (2Mbps) :-20dBm		
	8DPSK (3Mbps) :-20dBm		

All the technical data and information contained herein are subject to change without prior notice
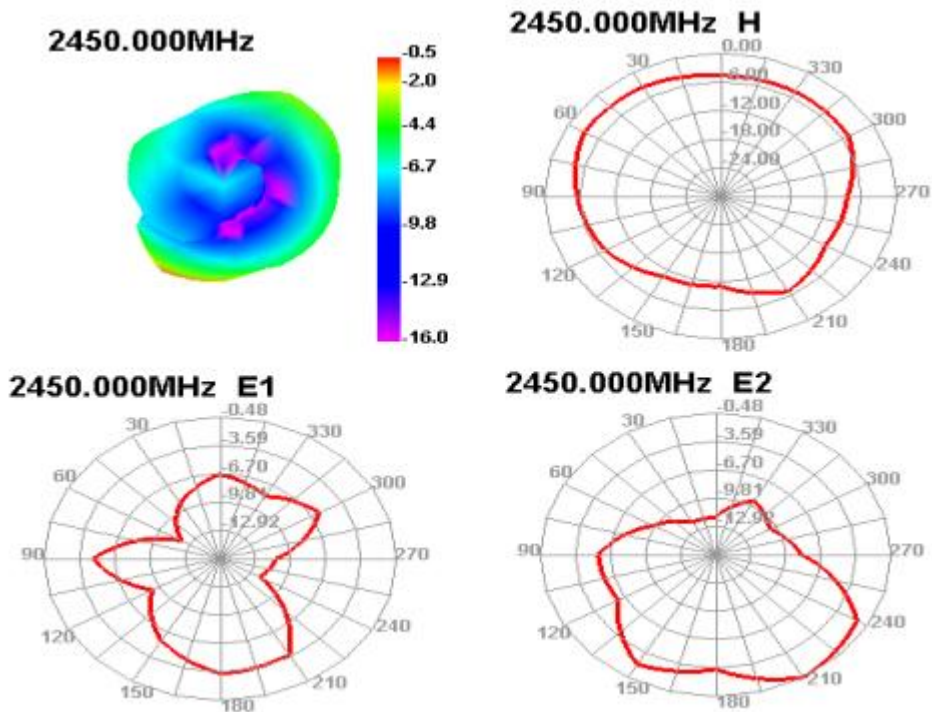
Antenna Layout & module on the system board
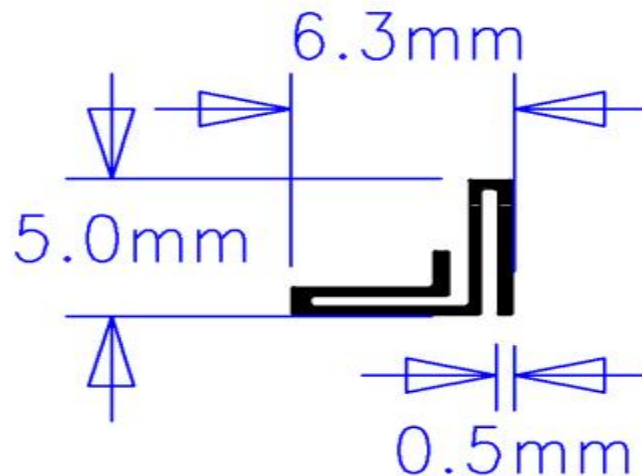
Antenna Gain

Gain Table

Passive Test For 2.4G			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	27.01	−5.69	0.44
2410	28.9	−5.39	0.8
2420	28.97	−5.38	0.68
2430	28.36	−5.47	0.51
2440	27.27	−5.64	0.19
2450	24.87	−6.04	−0.48
2460	23.77	−6.24	−1.03
2470	22.39	−6.5	−1.55
2480	22.04	−6.57	−1.85
2490	22.28	−6.52	−1.93
2500	22.05	−6.57	−2.08

3D Gain Pattern @ 2450 MHz (unit: dBi)

The Environment of Antenna Radiation Pattern

测试条件 Test Conditions	常温环境下温度：21℃， 湿度：50%RH Humidity：50%,Temperature：21℃,
测试设备 Test Equipment	SATIMO-OTA实验室；CMW500；MT8000；E5071C等 SATIMO-OTA Lab,
测试环境 Test Ambient	温度(Temperature)：___25___℃ 湿度(Humidity)：___40___RH