



Antenna Test Report



Equipment: Test Kit

Model Name: 5UM3E5

Author: Leedarson

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1、 Antenna Spec

1.1 BLE Antenna

Parameter	Value
Frequency Range	2.4 ~ 2.5 GHz
Antenna Peak Gain	4.4 dBi
Antenna Type	IFA Stamping Antenna

1.2 GPS Antenna

Parameter	Value
Frequency Range	1.57542 GHz
Antenna Peak Gain	0.52 dBi
Antenna Type	IFA Stamping Antenna

1.3 LoRa Antenna

Parameter	Value
Frequency Range	0.902~ 0.928 GHz
Antenna Peak Gain	-1.2 dBi
Antenna Type	IFA Stamping Antenna

2、 Test Result

2.1 BLE Antenna Passive Test

Gain	
Frequency (MHz)	Gain (dBi)
2400	4.31
2410	4.33
2420	4.39
2430	4.40
2440	4.20
2450	3.91
2460	3.81
2470	3.87
2480	3.93
2490	3.76
2500	3.47

2.2 GPS Antenna Passive Test

Gain	
Frequency (MHz)	Gain (dBi)
1575.42	0.52

2.3 LoRa Antenna Passive Test

Gain	
Frequency (MHz)	Gain (dBi)
902	-2.74
904	-2.40
906	-2.24
908	-2.24
910	-2.23
912	-2.08
914	-1.73
916	-1.39
918	-1.21
920	-1.20
922	-1.21
924	-1.26
926	-1.25
928	-1.23