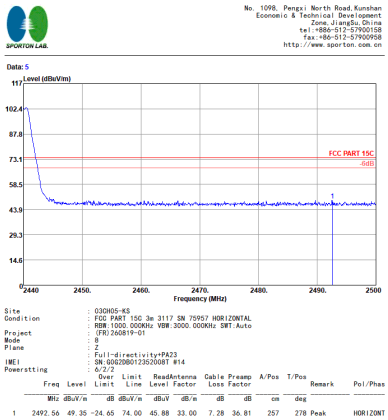
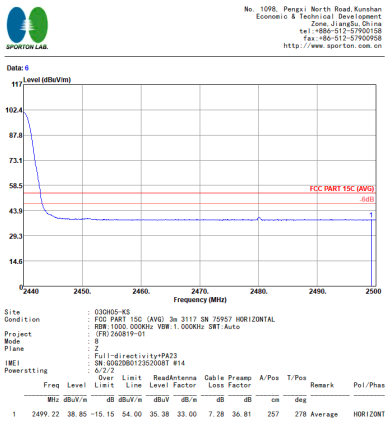
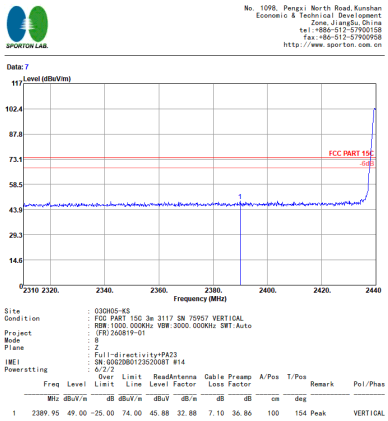
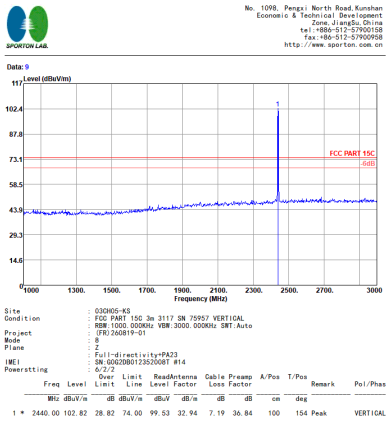
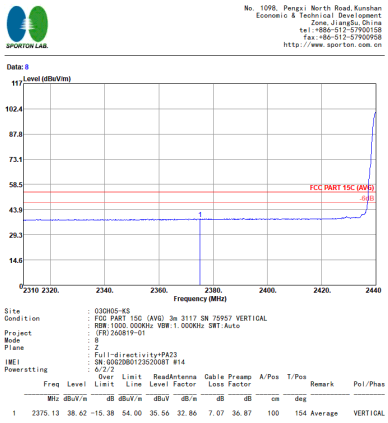
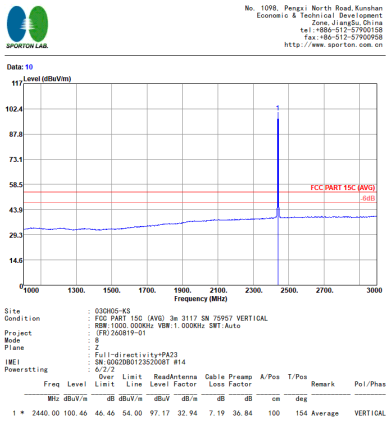
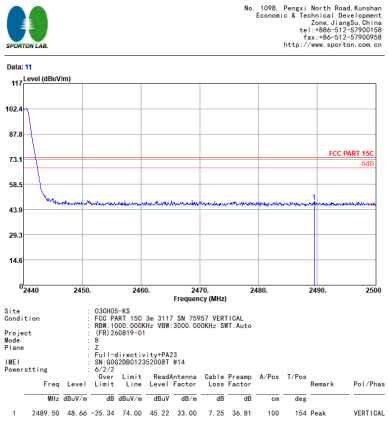
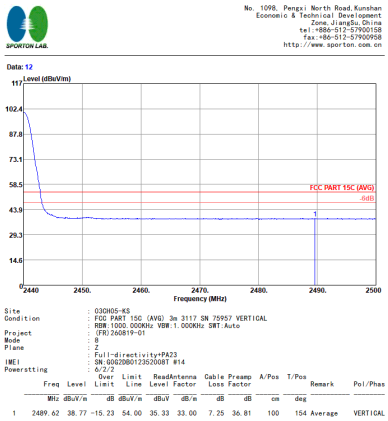
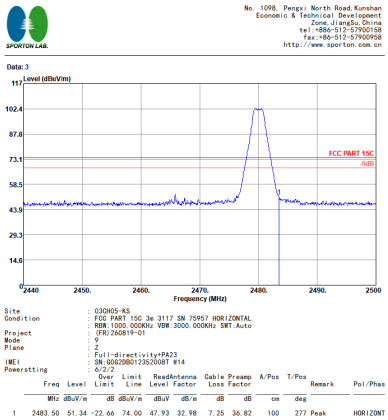
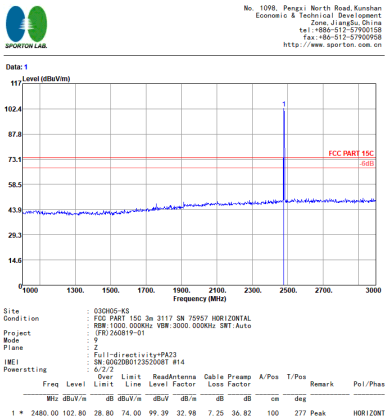
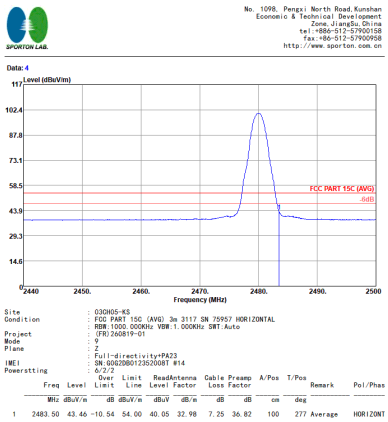
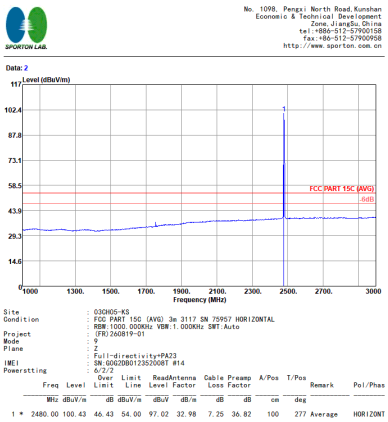
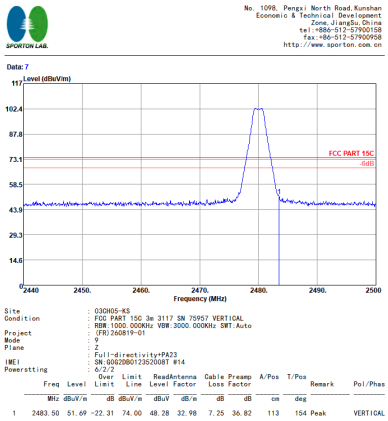
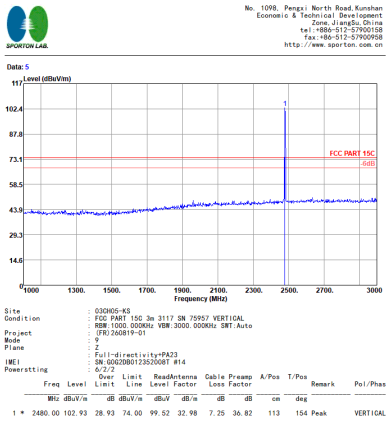
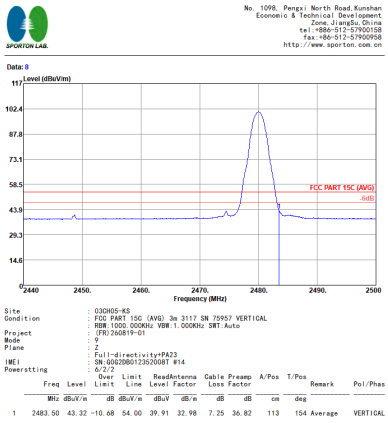
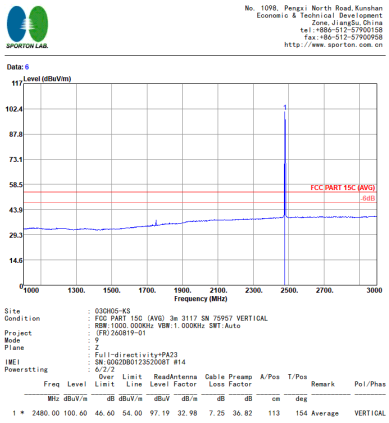
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - L	
2	Vertical	Fundamental
Peak		
Avg.		

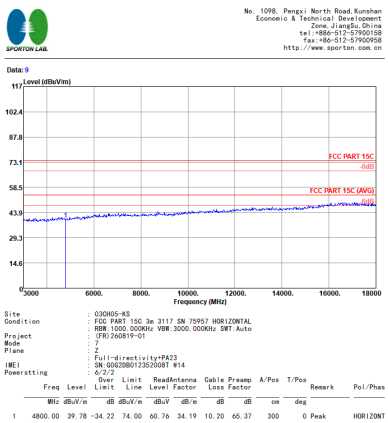
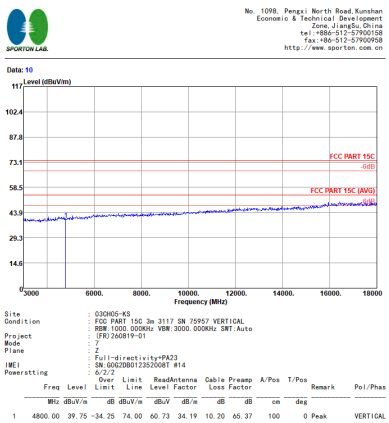
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH19 2440MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

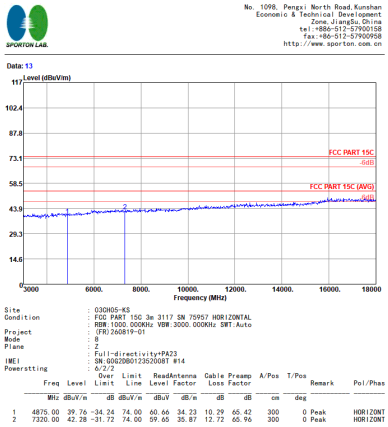
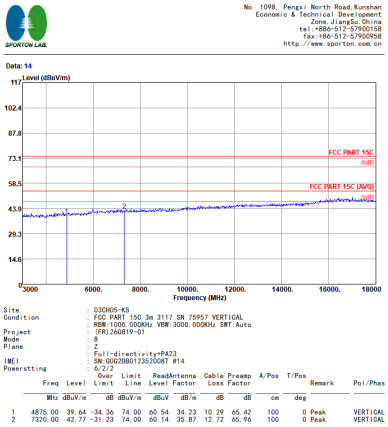
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
2	Horizontal	Fundamental
Peak		
Avg.		

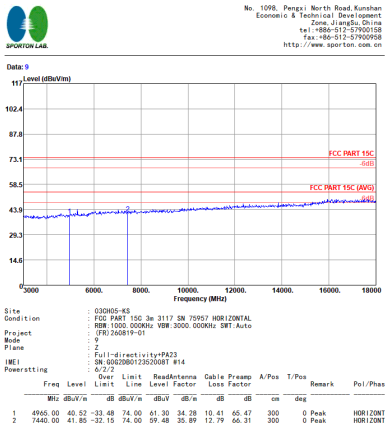
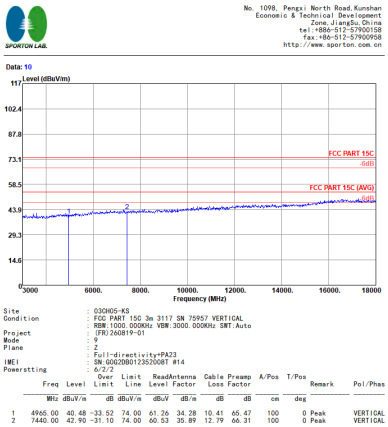
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE CH39 2480MHz	
2	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz

BLE-2Mbps (Harmonic @ 3m)

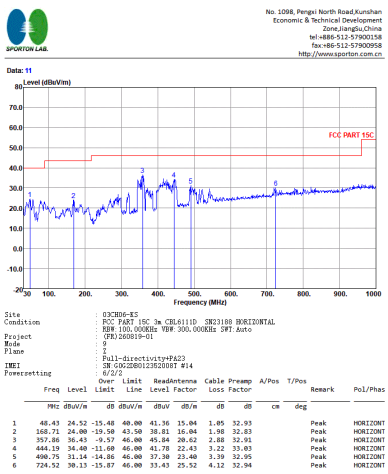
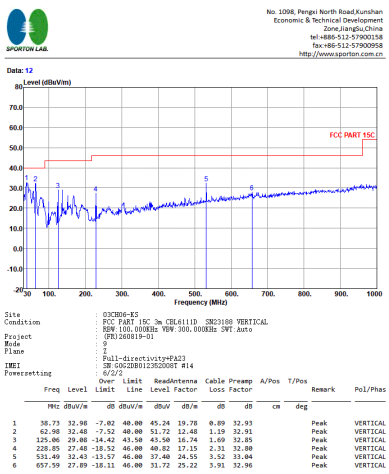
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH00 2402MHz	
2	Horizontal	Vertical
Peak Avg.	 	

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH19 2440MHz	
2	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 13 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 0dB Frequency (MHz) Site : 03CH05-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 8 Plane : Z IMEI : Full-directivity+PA23 Powerstting : SN:00020B0123520087 #14 : 6/2/2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4875.00 39.76 -34.24 74.00 60.66 34.23 10.29 65.42 300 0 Peak HORIZONT 2 7320.00 42.28 -31.72 74.00 59.65 35.87 12.72 65.96 300 0 Peak HORIZONT	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 14 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 0dB Frequency (MHz) Site : 03CH05-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 8 Plane : Z IMEI : Full-directivity+PA23 Powerstting : SN:00020B0123520087 #14 : 6/2/2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4875.00 39.64 -34.36 74.00 60.54 34.23 10.29 65.42 100 0 Peak VERTICAL 2 7320.00 42.77 -31.23 74.00 60.14 35.87 12.72 65.96 100 0 Peak VERTICAL

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE CH39 2480MHz	
2	Horizontal	Vertical
Peak		

Emission below 1GHz

2.4GHz BLE (LF)

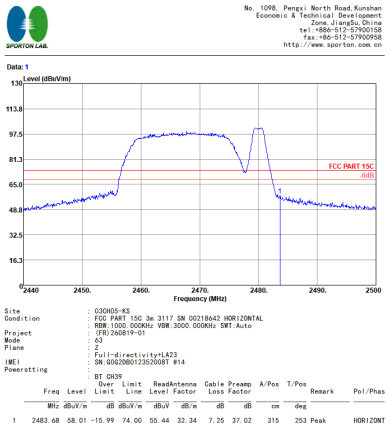
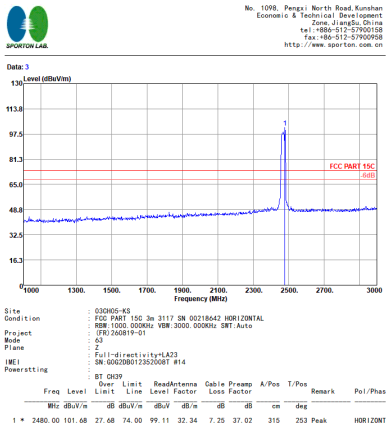
BLE	2.4GHz 2400~2483.5MHz	
ANT	BLE LF	
2	Horizontal	Vertical
QP / Peak		

CO-location:

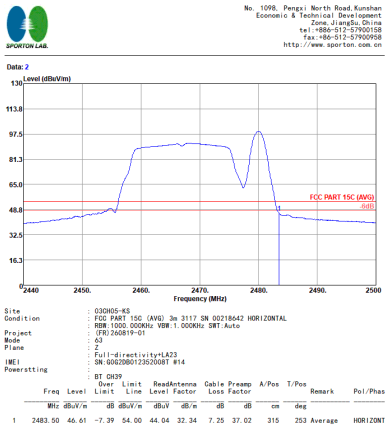
WIFI 802.11g &BLE--2Mbps

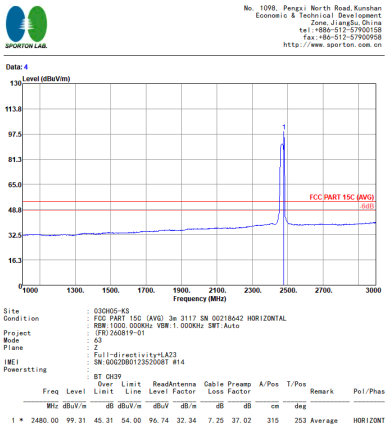
2.4GHz 2400~2483.5MHz

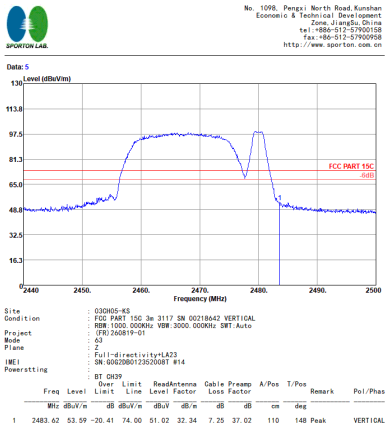
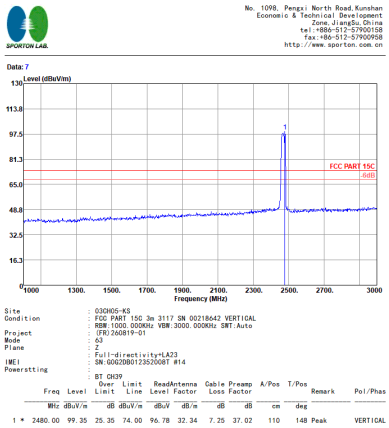
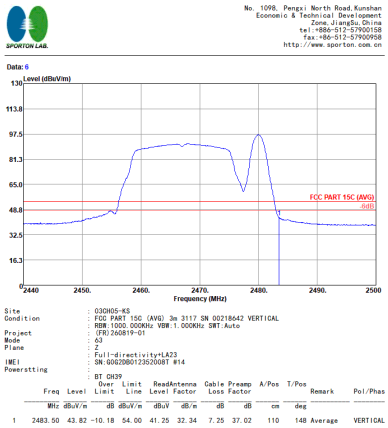
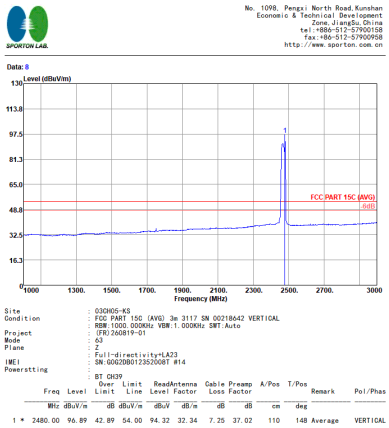
BLE-2Mbps (Band Edge @ 3m)

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Fundamental
Peak		

Avg.

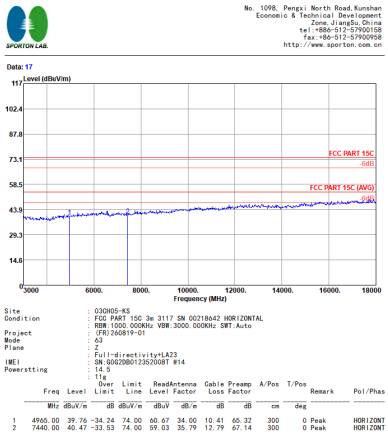
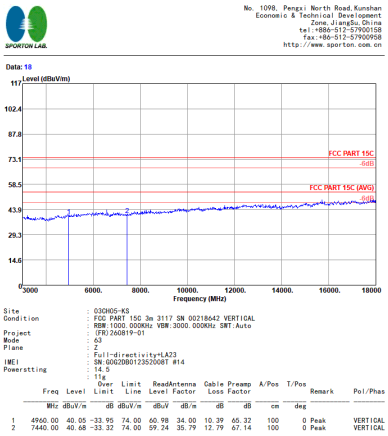

No. 1098, Pengxi North Road,Kunshan
Economic & Technical Development
Zone,JiangSu,China
tel:+86-512-57900158
fax:+86-512-57900958
http://www.sporton.com.cn
Data: 2
Level (dBuV/m)
130
113.0
97.5
81.3
65.0
48.8
32.5
16.3
0
FCC PART 15C (AVG)
-6dB
2440
2450.
2460.
2470.
2480.
2490.
2500
Frequency (MHz)
Site : 03CH05-KS
Condition : FCC PART 15C (AVG) 3m 3117 SN 00218642 HORIZONTAL
: RBW:1000.000KHz VBW:1.000KHz SWT:Auto
Project : (FR)260819-01
Mode : 63
Plane : Z
: Full-directivity+LA23
IMEI : SN:G0G20B0123520GBT #14
Powerstting :
: BT CH39
Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark Pol/Phas
MHz dBuV/m dB dBuV/m dBuV dBuV dB/m dB dB cm deg
1 2483.50 46.61 -7.39 54.00 44.04 32.34 7.25 37.02 315 253 Average HORIZONT


No. 1098, Pengxi North Road,Kunshan
Economic & Technical Development
Zone,JiangSu,China
tel:+86-512-57900158
fax:+86-512-57900958
http://www.sporton.com.cn
Data: 4
Level (dBuV/m)
130
113.0
97.5
81.3
65.0
48.8
32.5
16.3
0
FCC PART 15C (AVG)
-6dB
1000
1300.
1500.
1700.
1900.
2100.
2300.
2500.
2700.
3000
Frequency (MHz)
Site : 03CH05-KS
Condition : FCC PART 15C (AVG) 3m 3117 SN 00218642 HORIZONTAL
: RBW:1000.000KHz VBW:1.000KHz SWT:Auto
Project : (FR)260819-01
Mode : 63
Plane : Z
: Full-directivity+LA23
IMEI : SN:G0G20B0123520GBT #14
Powerstting :
: BT CH39
Freq Level Over Limit Limit Line ReadAntenna Level Cable Factor Preamp Loss Factor A/Pos T/Pos Remark Pol/Phas
MHz dBuV/m dB dBuV/m dBuV dBuV dB/m dB dB cm deg
1 * 2480.00 99.31 45.31 54.00 96.74 32.34 7.25 37.02 315 253 Average HORIZONT

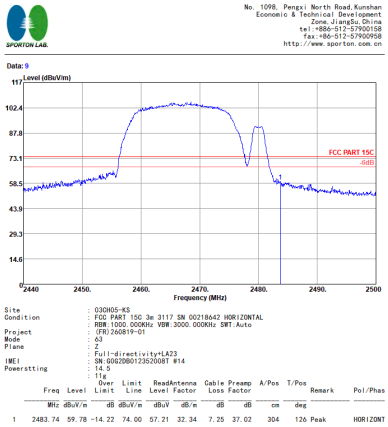
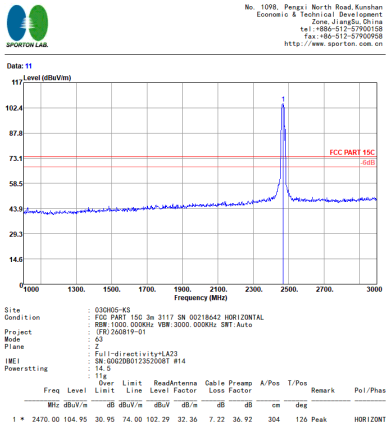
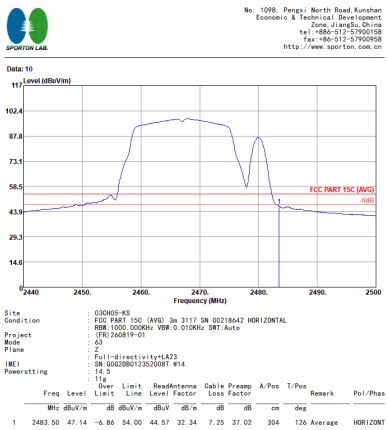
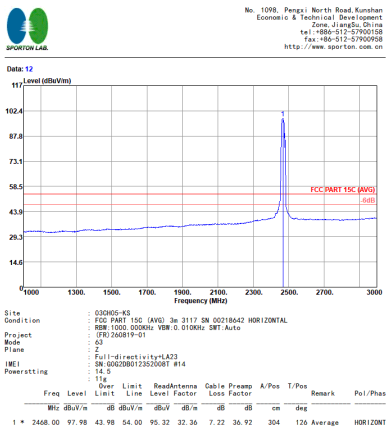
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	BLE CH39 2480MHz	
	Vertical	Fundamental
Peak		
Avg.		

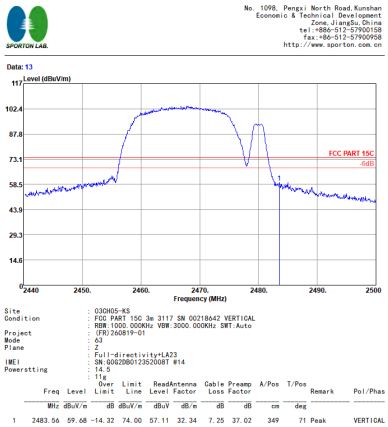
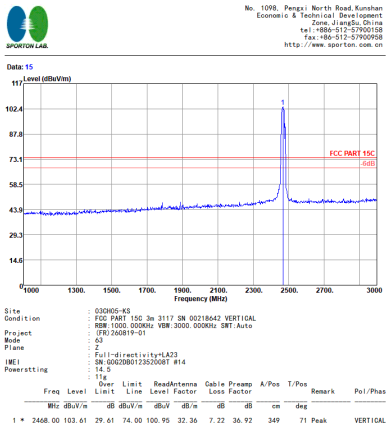
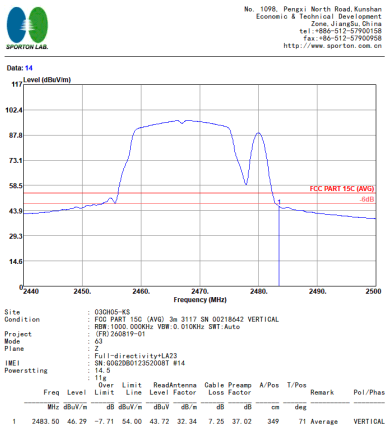
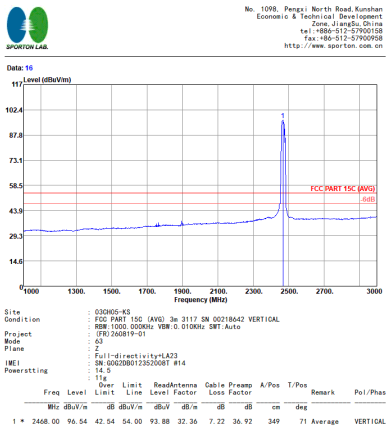
2.4GHz 2400~2483.5MHz

BLE-2Mbps (Harmonic @ 3m)

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	BLE CH39 2480MHz	
	Horizontal	Vertical
Peak		

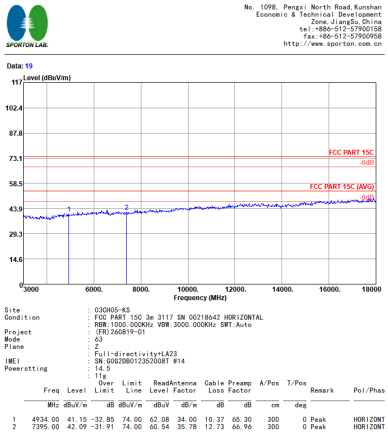
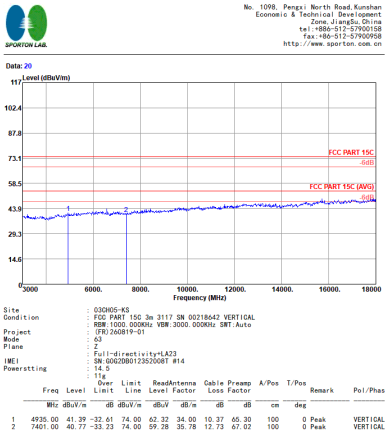
2.4GHz 2400~2483.5MHz
WIFI 802.11g (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH12 2467MHz	
	Horizontal	Fundamental
Peak		
Avg.		

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
	802.11g CH12 2467MHz	
	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz

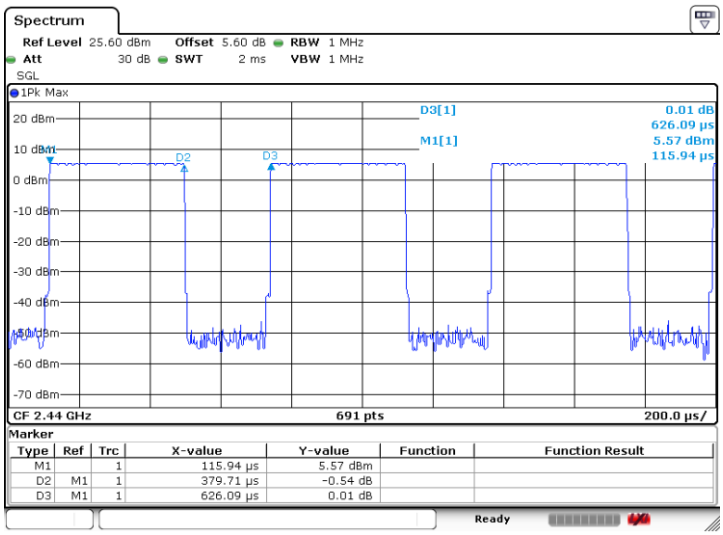
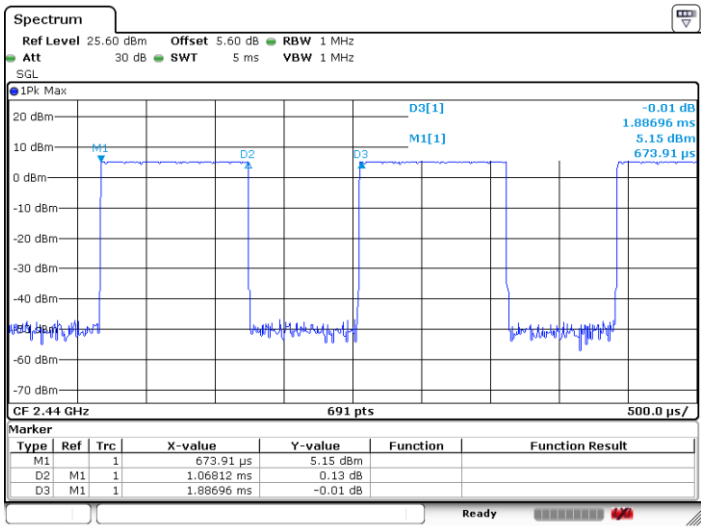
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
	802.11g CH12 2467MHz	
	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,Jiang&Su,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 19 Level (dBuV/m) FCC PART 15C -6dB FCC PART 15C (AVG) -6dB Frequency (MHz) Site : 03CH05-KS Condition : FCC PART 15C 3m 3117 SN 00218642 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 63 Plane : Z IMEI : Full-directivity+LA23 Powerstting : SN:00020B0123520087 #14 : 14.5 : 11g Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4934.00 41.15 -32.85 74.00 62.08 34.00 10.37 65.30 300 0 Peak HORIZONT 2 7395.00 42.09 -31.91 74.00 60.54 35.78 12.73 66.96 300 0 Peak HORIZONT	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,Jiang&Su,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 20 Level (dBuV/m) FCC PART 15C -6dB FCC PART 15C (AVG) -6dB Frequency (MHz) Site : 03CH05-KS Condition : FCC PART 15C 3m 3117 SN 00218642 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)260819-01 Mode : 63 Plane : Z IMEI : Full-directivity+LA23 Powerstting : SN:00020B0123520087 #14 : 14.5 : 11g Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4935.00 41.39 -32.61 74.00 62.32 34.00 10.37 65.30 100 0 Peak VERTICAL 2 7401.00 40.77 -33.23 74.00 59.28 35.78 12.73 67.02 100 0 Peak VERTICAL

Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
Bluetooth LE 1Mbps	60.65	0.380	2.634	2.7KHz
Bluetooth LE 2Mbps	56.61	1.068	0.936	1KHz

Bluetooth LE 1Mbps



Bluetooth LE 2Mbps