Emission below 1GHz

2.4GHz BLE 2Mbps (LF)

BLE(5.0)	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Path Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz BLE LF		30	21.9	-18.1	40	27.95	24.6	0.58	31.23	-	-	P	H
		156.1	20.64	-22.86	43.5	33.75	16.2	2.01	31.32	-	-	P	H
		285.11	26.12	-19.88	46	35.58	19.37	2.73	31.56	-	-	P	H
		322.94	25.88	-20.12	46	34.84	19.77	2.91	31.64	-	-	P	H
		768.17	27.55	-18.45	46	28.45	25.74	4.51	31.15	-	-	P	H
		929.19	29.13	-16.87	46	28	26.82	4.97	30.66	-	-	P	H
		30	28.12	-11.88	40	34.17	24.6	0.58	31.23	-	-	P	V
		260.86	18.67	-27.33	46	27.98	19.5	2.61	31.42	-	-	P	V
		296.75	20.47	-25.53	46	29.99	19.31	2.79	31.62	-	-	P	V
		561.56	25.92	-20.08	46	28.7	24.93	3.85	31.56	-	-	P	V
		793.39	28.56	-17.44	46	29.4	25.79	4.58	31.21	-	-	P	V
		904.94	29.1	-16.9	46	28.55	26.72	4.9	31.07	-	-	P	V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

*	**Fundamental Frequency** which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is **over limit** line.
P/A	**P**eak or **A**verage
H/V	**H**orizontal or **V**ertical

A calculation example for radiated spurious emission is shown as below:

BLE(4.0)	Note	Frequency	Level	Over	Limit	Read	Antenna	Path	Preamp	Ant	Table	Peak	Pol.
				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
BLE(4.0) CH 00 2402MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Path Loss(dB) = CaBLE(4.0) loss(dB) + Filter loss(dB) + Attenuator loss(dB)
2. Level(dBμV/m) =

Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

3. Over Limit(dB) = Level(dBμV/m) – Limit Line(dBμV/m)

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 54.51(dBμV) – 35.86 (dB)

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

= Antenna Factor(dB/m) + Path Loss(dB) + Read Level(dBμV) - Preamp Factor(dB)

= 32.22(dB/m) + 4.58(dB) + 42.6(dBμV) – 35.86 (dB)

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

Both peak and average measured complies with the limit line, so test result is “PASS”.

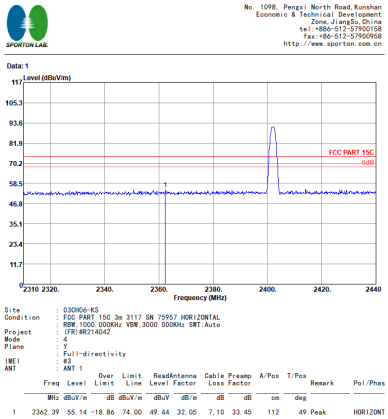
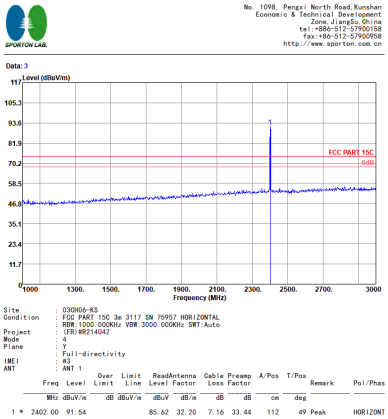
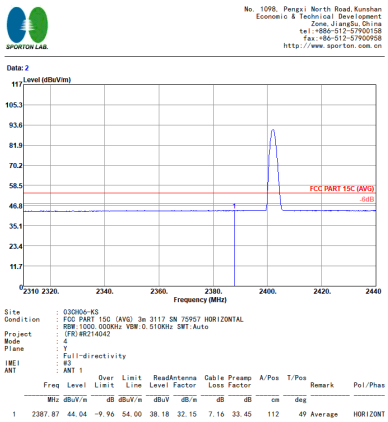
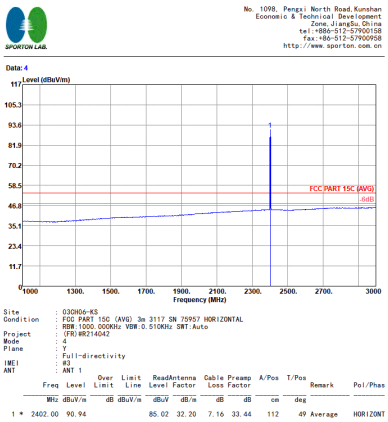
Appendix D. Radiated Spurious Emission Plots

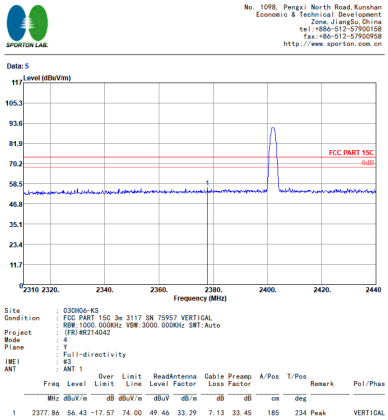
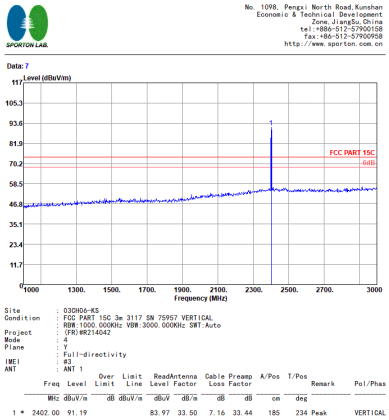
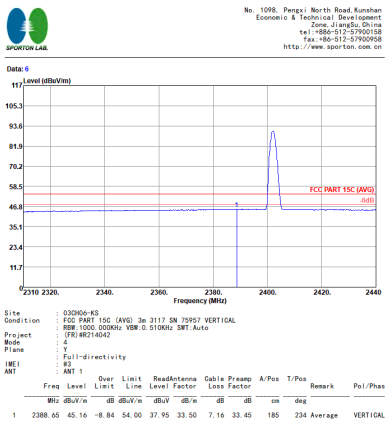
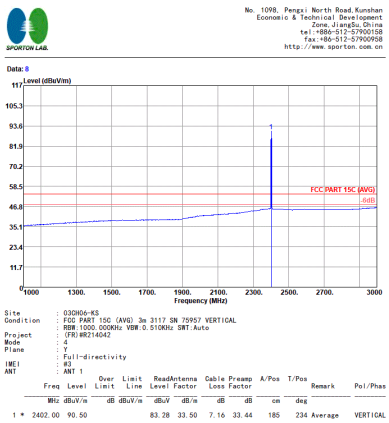
Note symbol

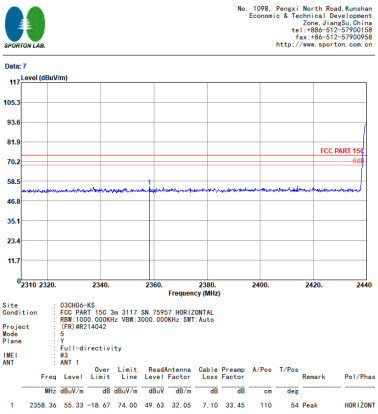
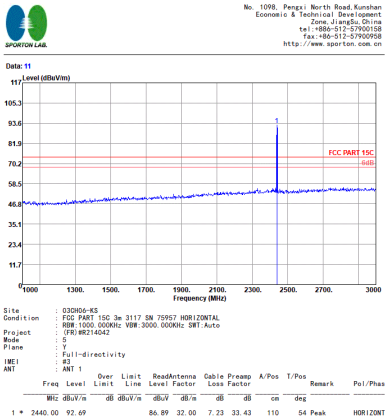
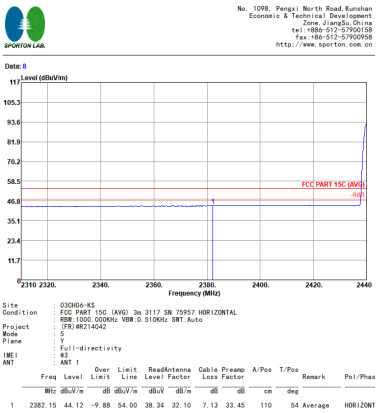
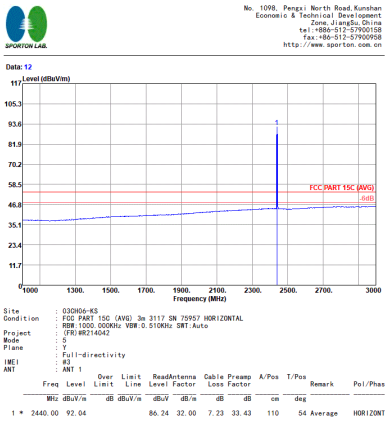
-L	**Low channel location**
-R	**High channel location**

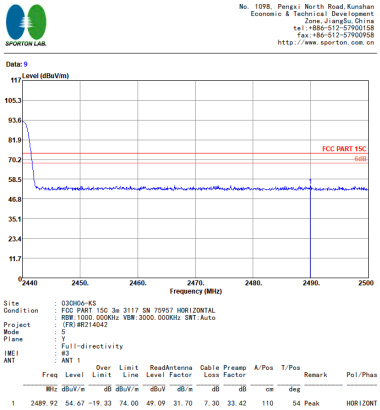
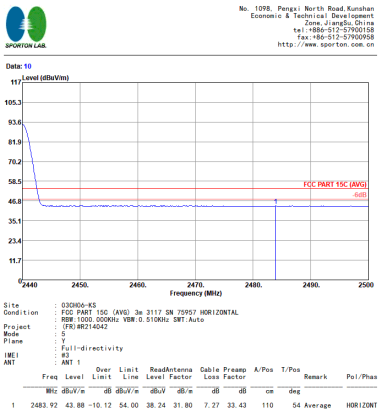
2.4GHz 2400~2483.5MHz---ANT 1

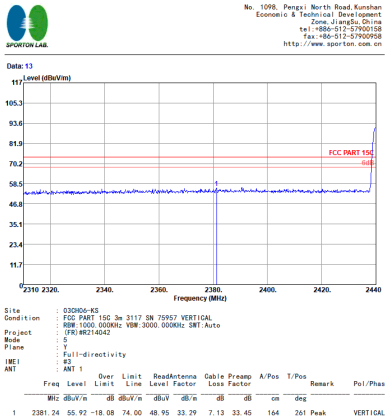
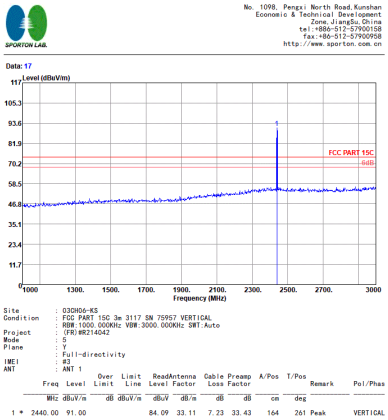
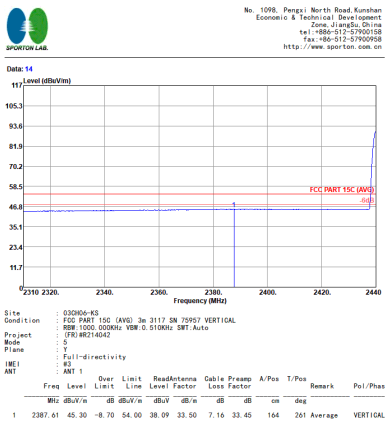
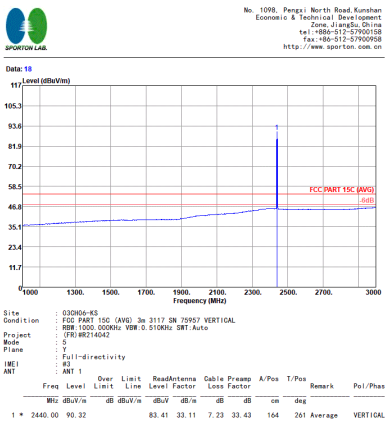
BLE 1Mbps (Band Edge @ 3m)

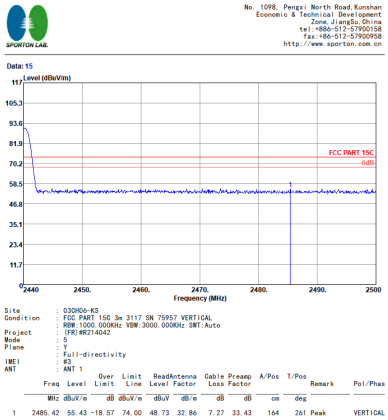
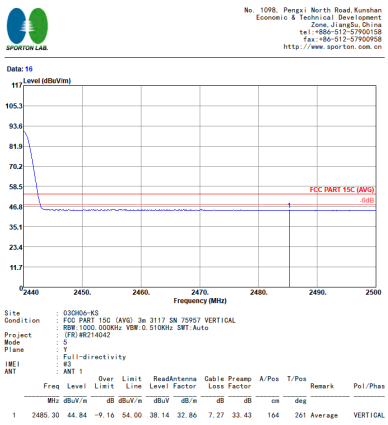
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE1Mbps CH00 2402MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

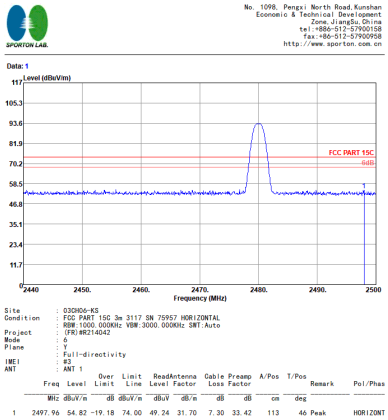
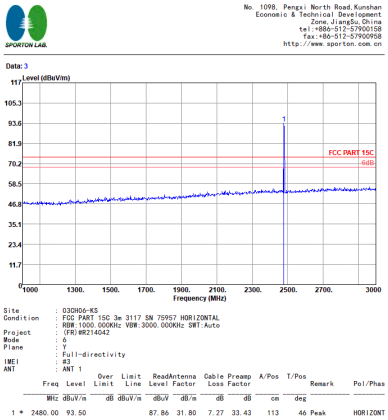
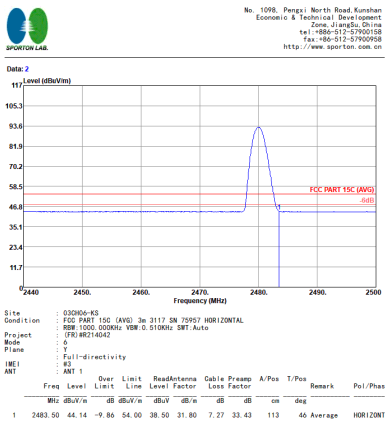
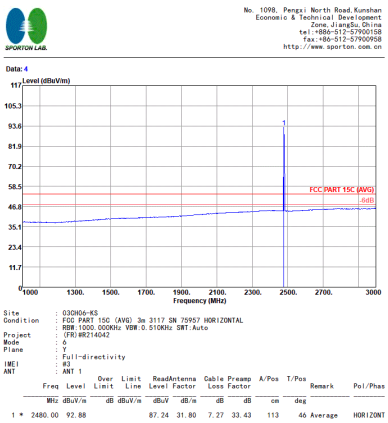
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH00 2402MHz	
1	Vertical	Fundamental
Peak		
Avg		

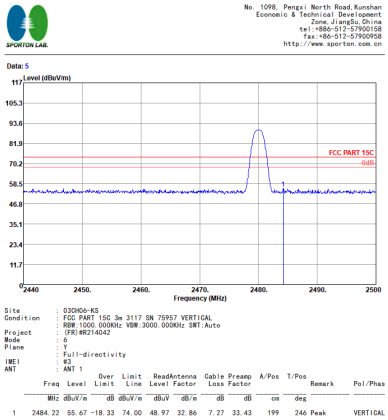
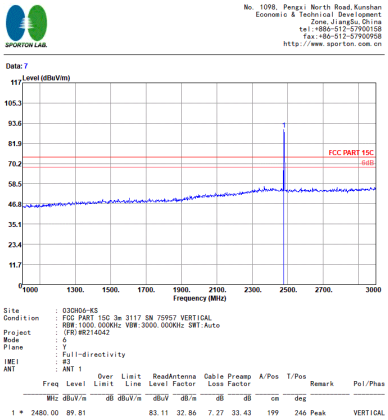
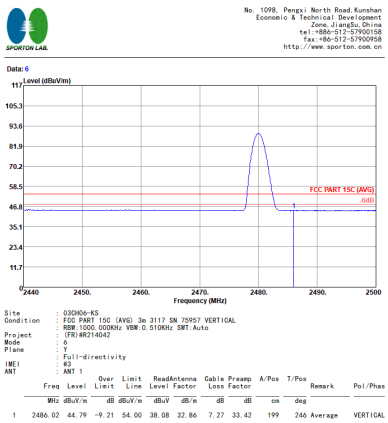
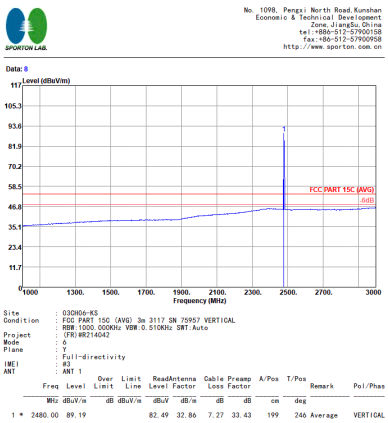
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - L	
1	Vertical	Fundamental
Peak		
Avg.		

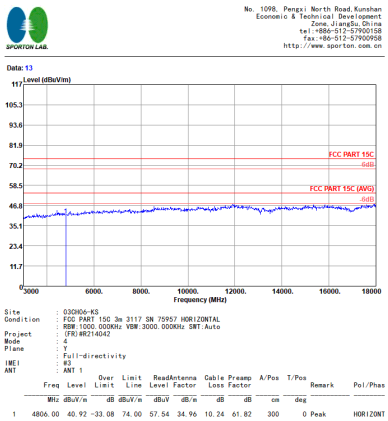
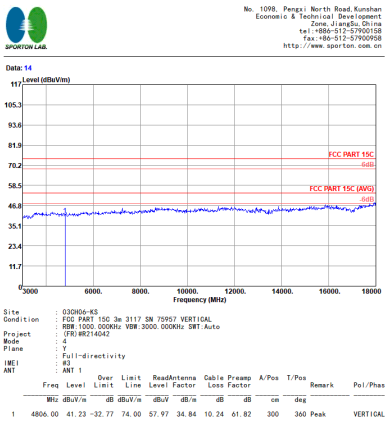
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

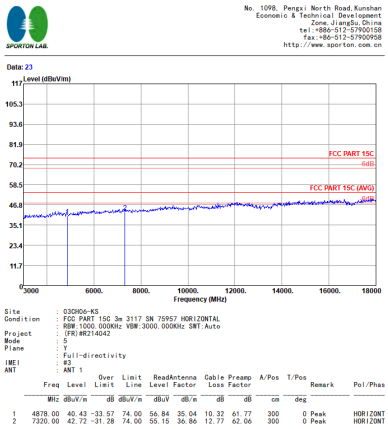
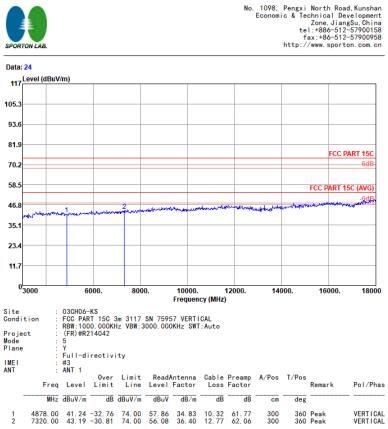
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE1Mbps CH39 2480MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

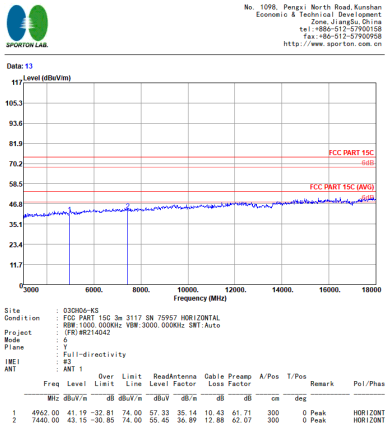
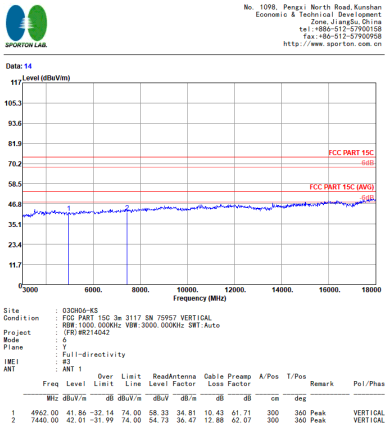
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH39 2480MHz	
1	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz---ANT 1

BLE 1Mbps (Harmonic @ 3m)

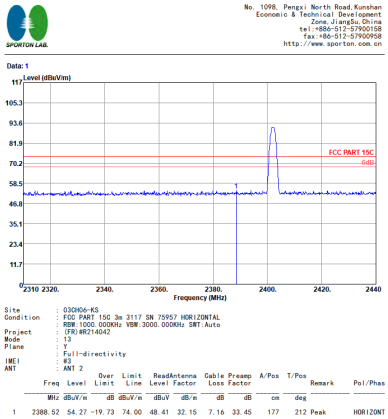
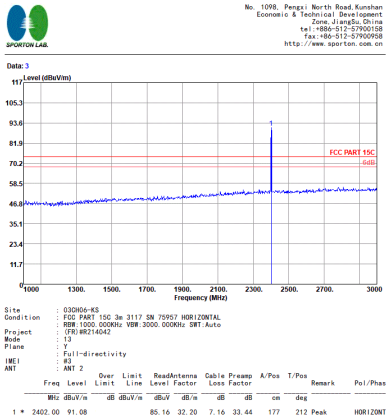
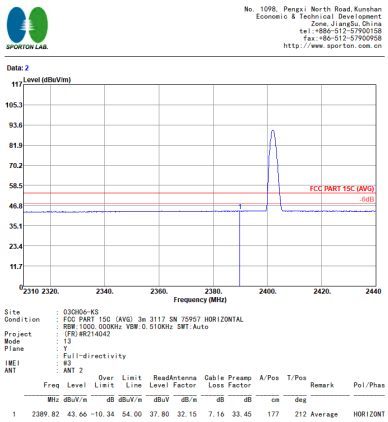
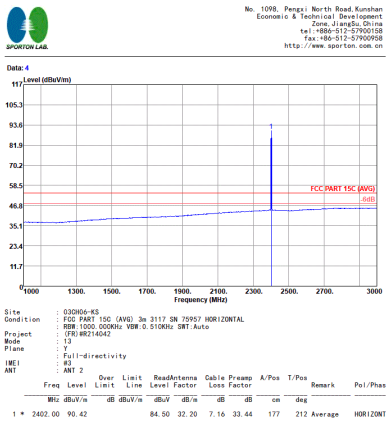
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 1Mbps CH00 2402MHz	
1	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+86-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 13 Level (dBuV/m) 117 105.3 93.6 81.9 70.2 58.5 46.8 35.1 23.4 11.7 0 FCC PART 15C -6dB FCC PART 15C (AVG) -6dB 3000 6000. 8000. 10000. 12000. 14000. 16000. 18000 Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 4 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 1 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 4806.00 40.92 -33.08 74.00 57.54 34.96 10.24 61.82 300 0 Peak 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: 14 Level (dBuV/m) 117 105.3 93.6 81.9 70.2 58.5 46.8 35.1 23.4 11.7 0 FCC PART 15C -6dB FCC PART 15C (AVG) -6dB 3000 6000. 8000. 10000. 12000. 14000. 16000. 18000 Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 4 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 1 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 4806.00 41.23 -32.77 74.00 57.97 34.84 10.24 61.82 300 360 Peak VERTICAL

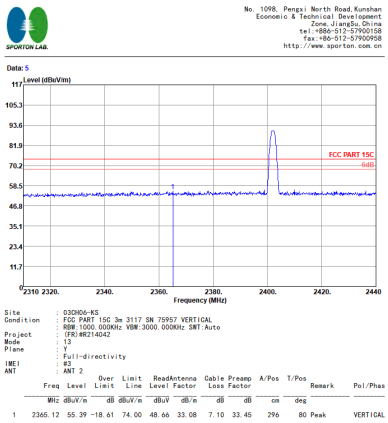
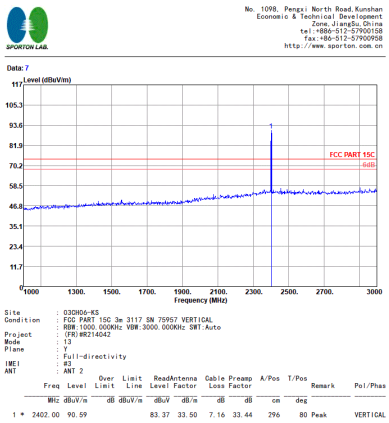
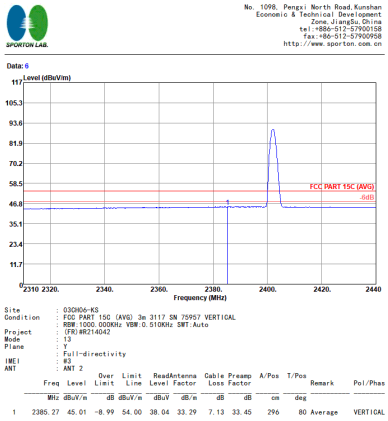
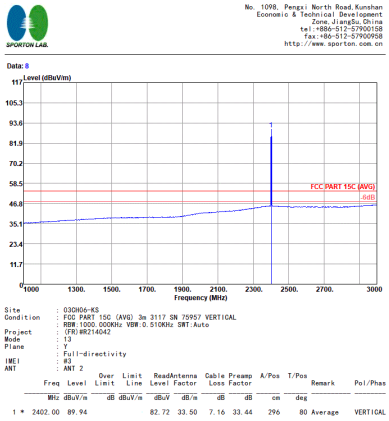
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 1Mbps CH19 2440MHz	
1	Horizontal	Vertical
Peak Avg.		

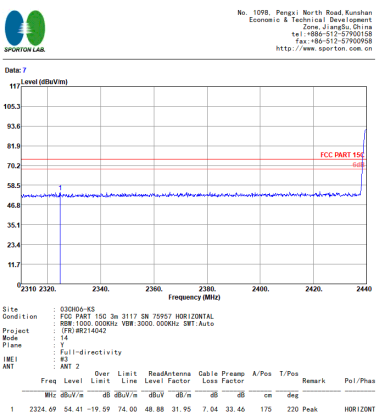
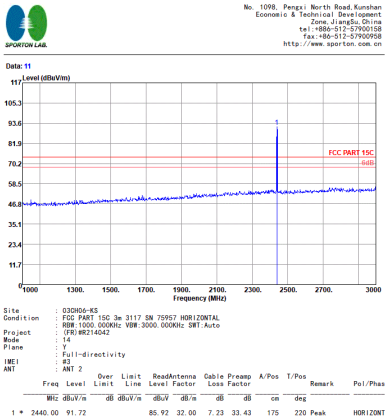
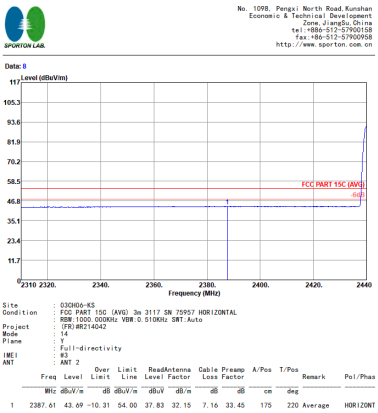
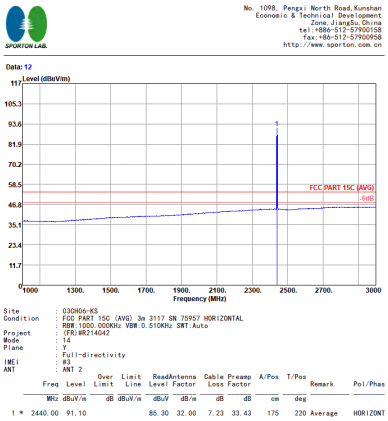
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 1Mbps CH39 2480MHz	
1	Horizontal	Vertical
Peak		

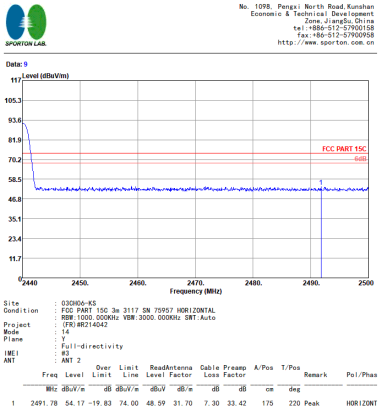
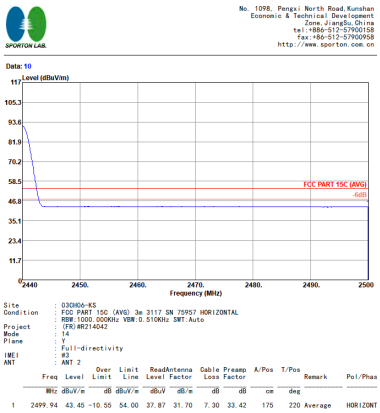
2.4GHz 2400~2483.5MHz---ANT 2

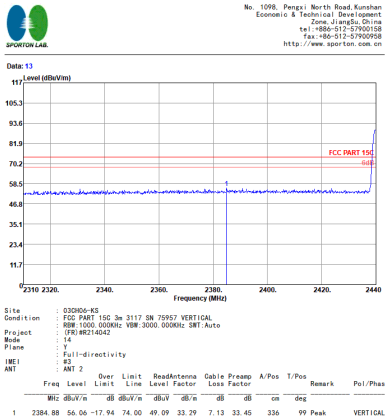
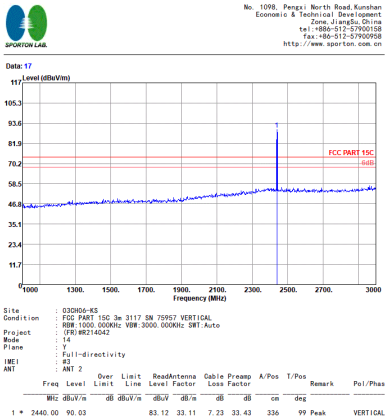
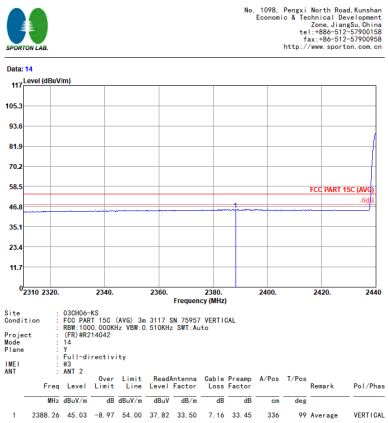
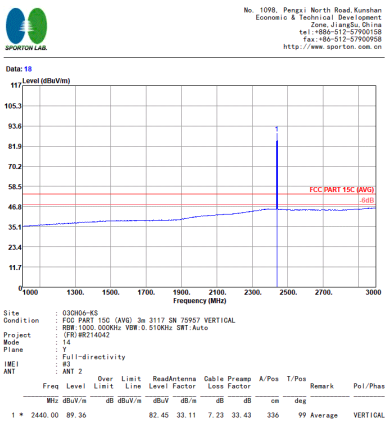
BLE 1Mbps (Band Edge @ 3m)

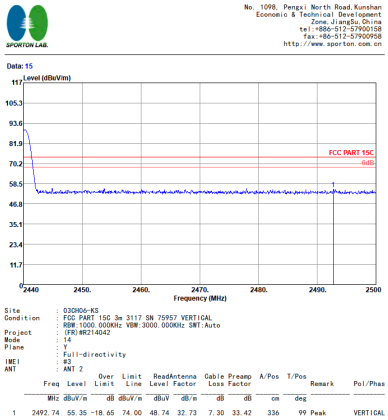
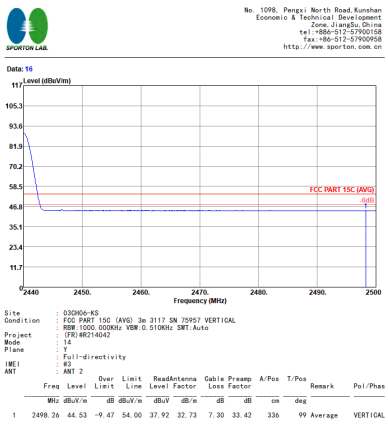
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH00 2402MHz	
2	Horizontal	Fundamental
Peak		
Avg.		

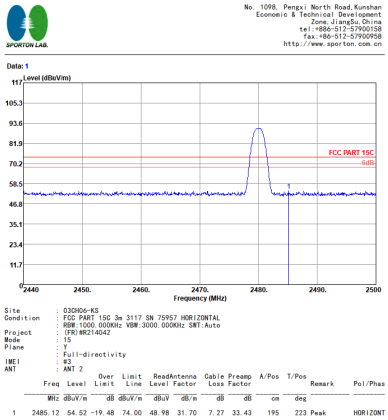
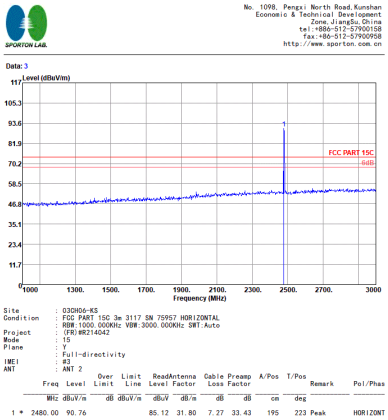
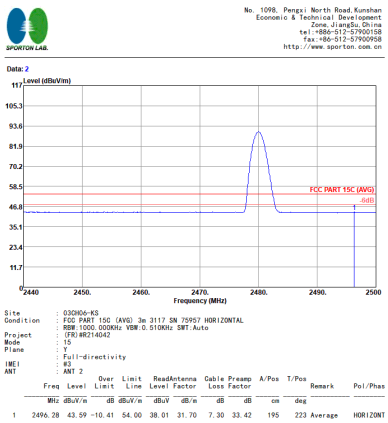
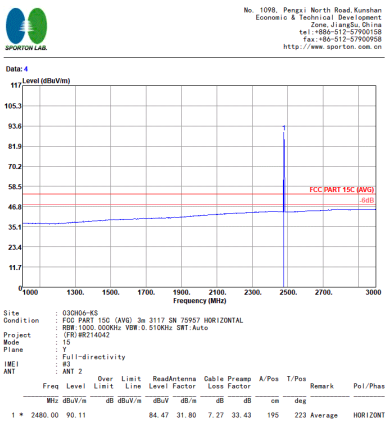
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH00 2402MHz	
2	Vertical	Fundamental
Peak		
Avg		

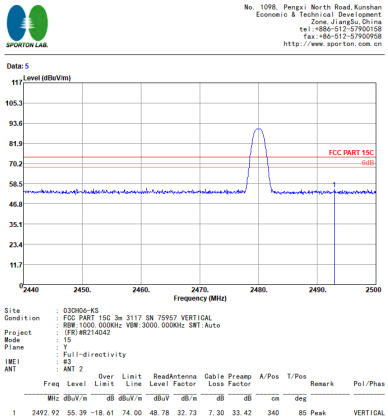
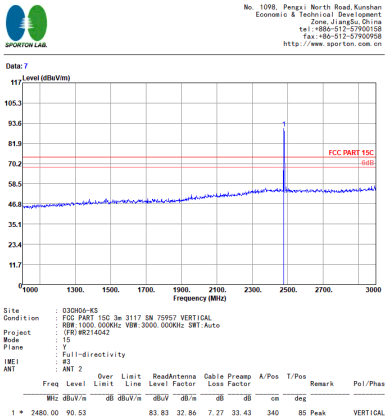
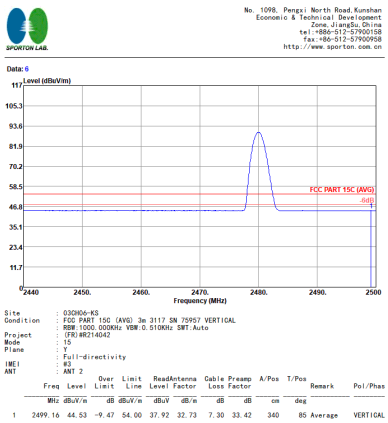
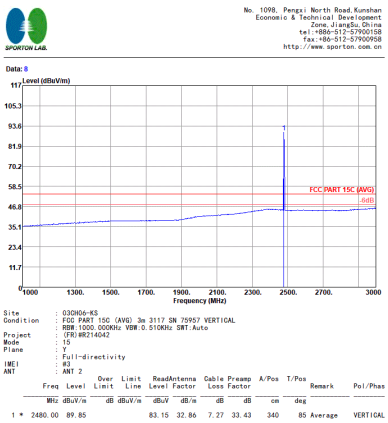
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - R	
2	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - L	
2	Vertical	Fundamental
Peak		
Avg.		

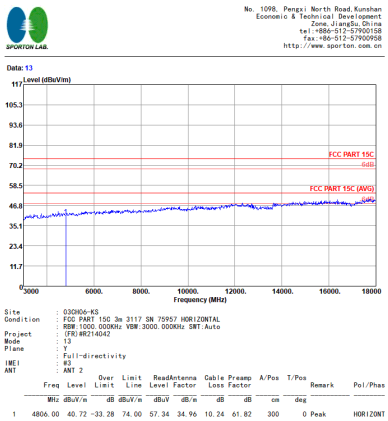
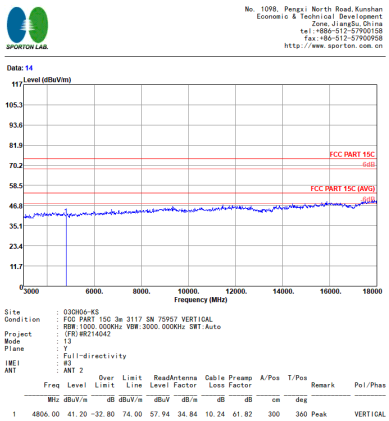
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH19 2440MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blan k

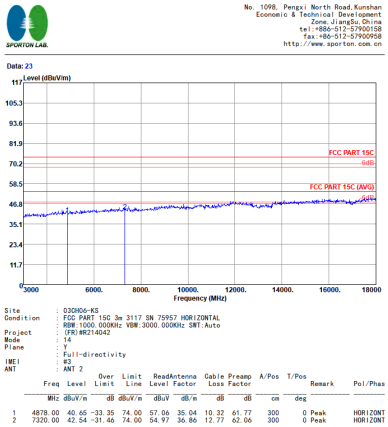
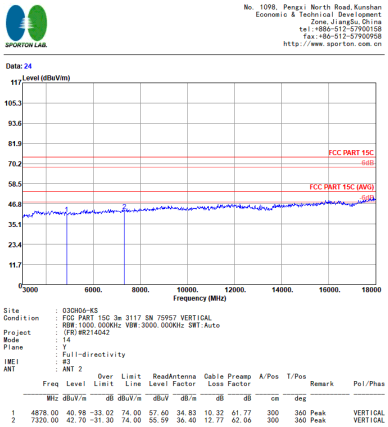
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH39 2480MHz	
2	Horizontal	Fundamental
Peak		
Avg.		

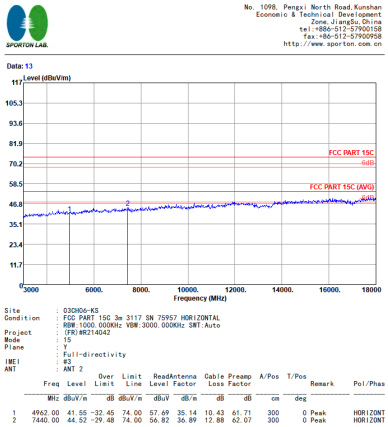
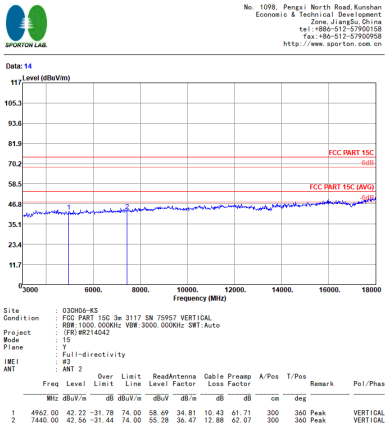
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 1Mbps CH39 2480MHz	
2	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz---ANT 2

BLE 1Mbps (Harmonic @ 3m)

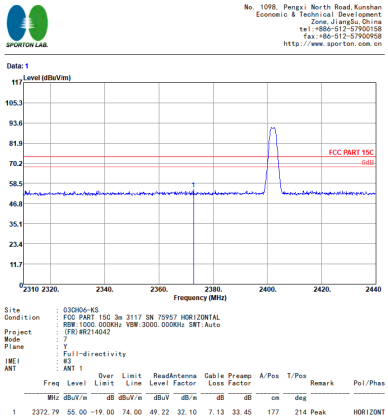
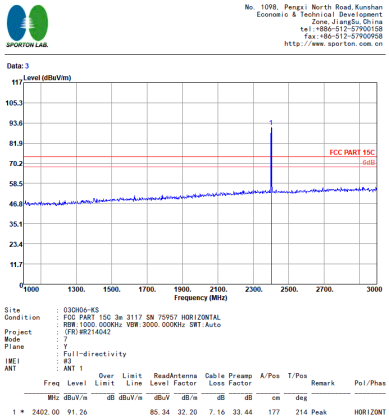
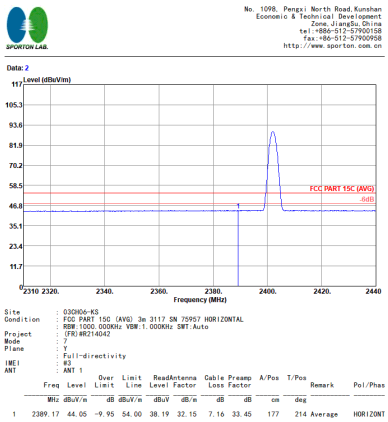
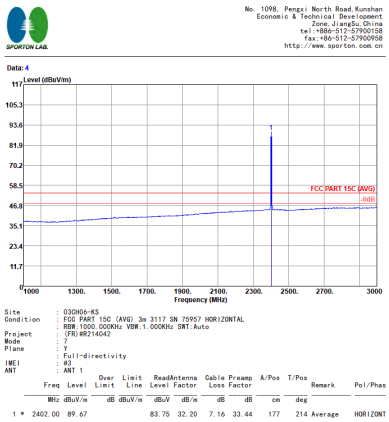
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 1Mbps CH00 2402MHz	
2	Horizontal	Vertical
Peak Avg.		

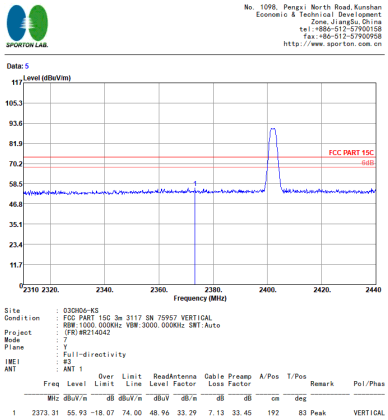
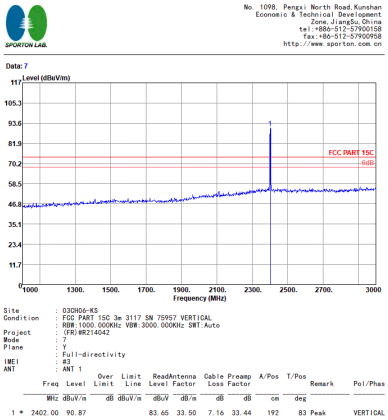
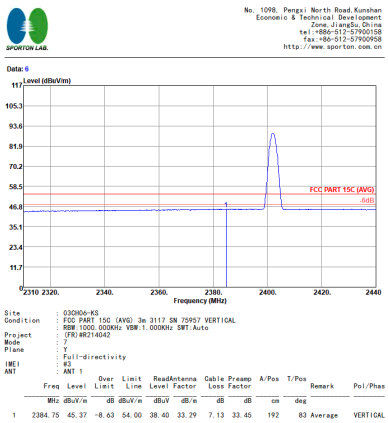
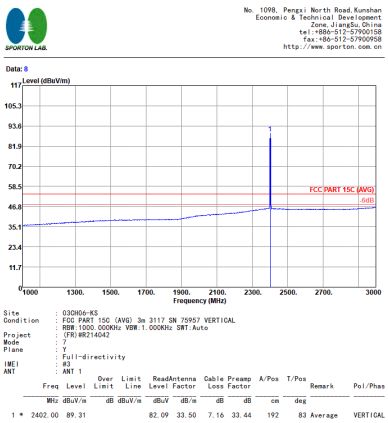
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 1Mbps CH19 2440MHz	
2	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 23 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 14 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4878.00 40.65 -33.35 74.00 57.06 35.04 10.32 61.77 300 0 Peak HORIZONT 2 7320.00 42.54 -31.46 74.00 54.97 36.86 12.77 62.06 300 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: 24 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 14 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4878.00 40.98 -33.02 74.00 57.60 34.83 10.32 61.77 300 360 Peak VERTICAL 2 7320.00 42.70 -31.30 74.00 55.59 36.40 12.77 62.06 300 360 Peak VERTICAL

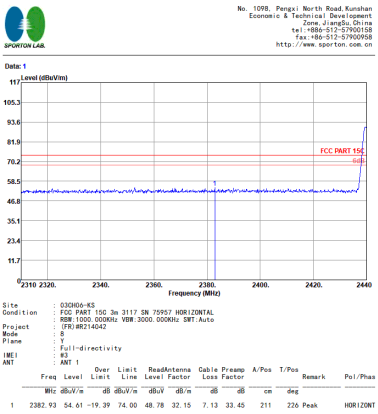
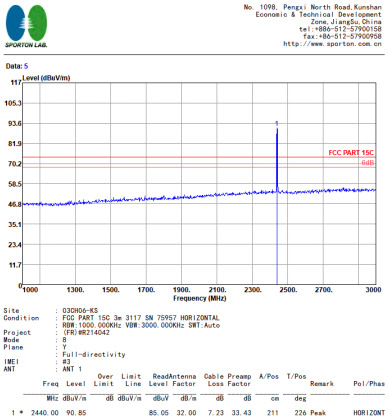
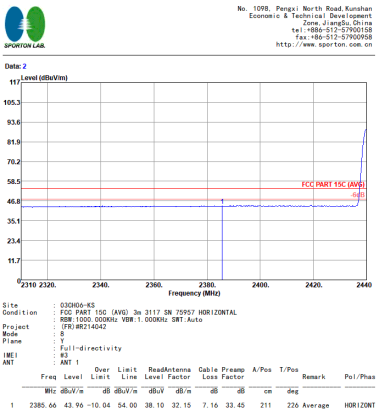
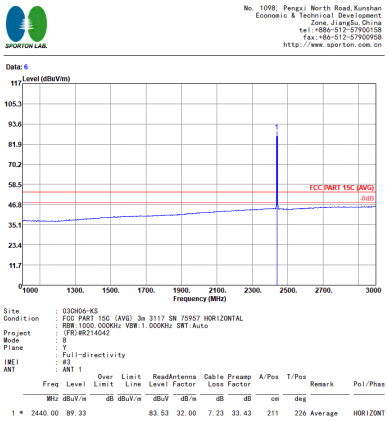
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 1Mbps CH39 2480MHz	
2	Horizontal	Vertical
Peak	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 13 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 15 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4962.00 41.55 -32.45 74.00 57.69 35.14 10.43 61.71 300 0 Peak HORIZONT 2 7440.00 44.52 -29.48 74.00 56.82 36.89 12.88 62.07 300 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) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 15 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 2 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4962.00 42.22 -31.78 74.00 58.69 34.81 10.43 61.71 300 360 Peak VERTICAL 2 7440.00 42.56 -31.44 74.00 55.28 36.47 12.88 62.07 300 360 Peak VERTICAL

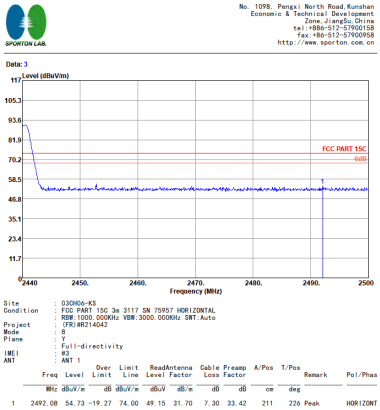
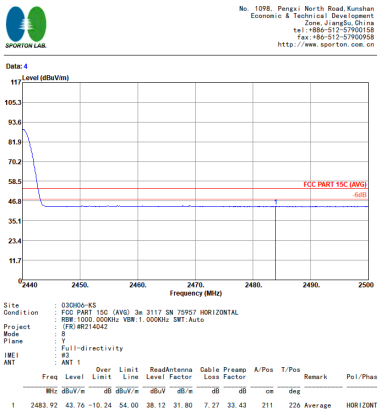
2.4GHz 2400~2483.5MHz---ANT 1

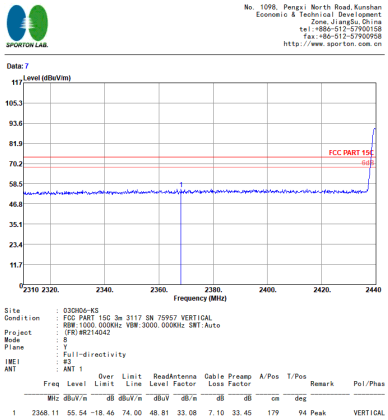
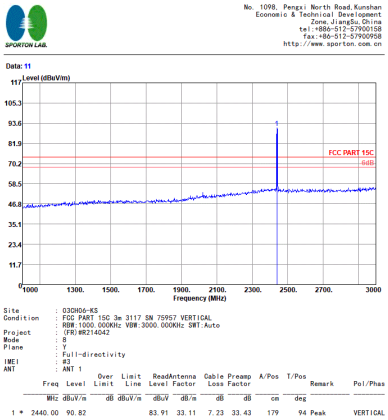
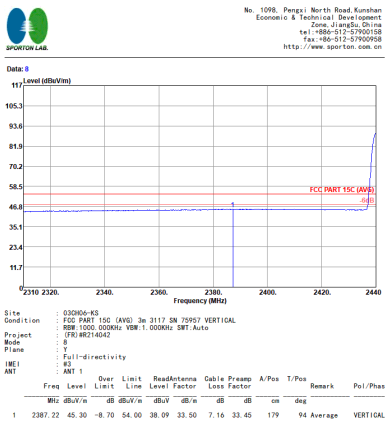
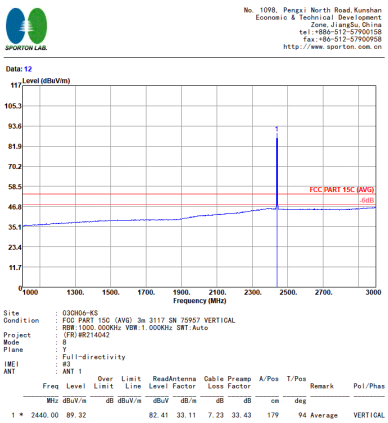
BLE 2Mbps (Band Edge @ 3m)

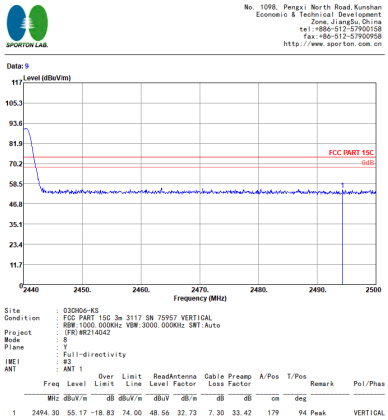
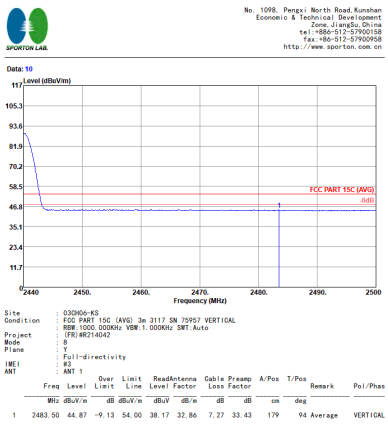
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH00 2402MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

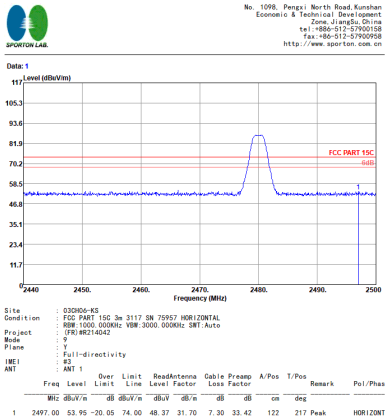
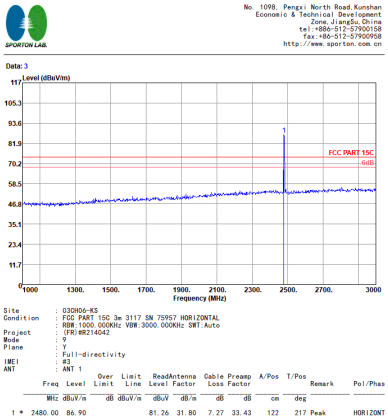
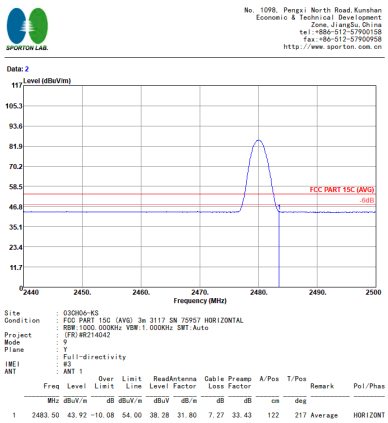
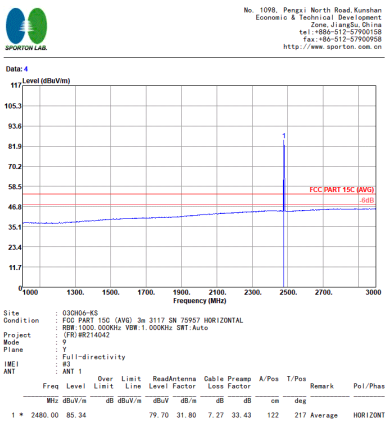
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH00 2402MHz	
1	Vertical	Fundamental
Peak		
Avg		

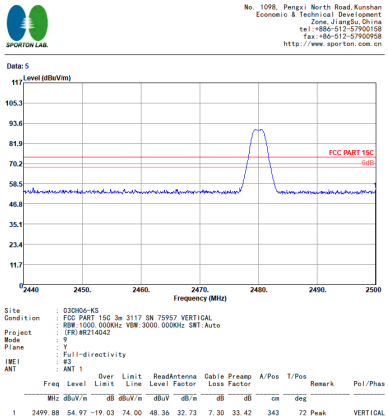
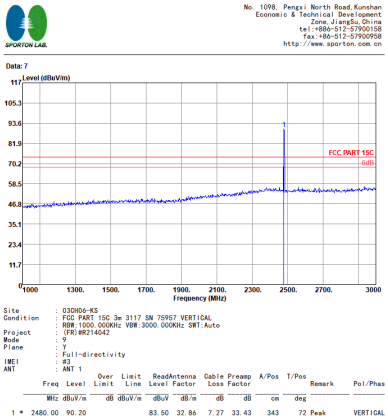
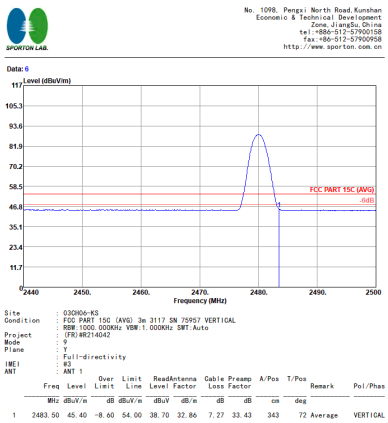
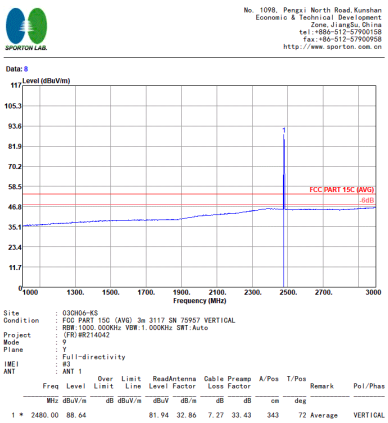
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH19 2440MHz - L	
1	Horizontal	Fundamental
Peak		
Avg.		

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

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

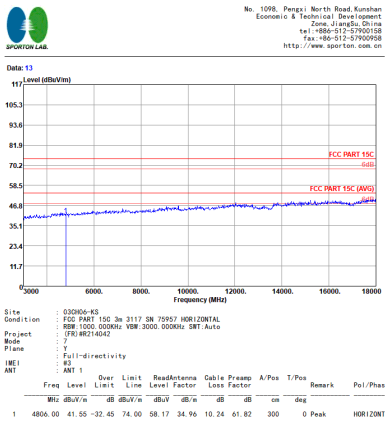
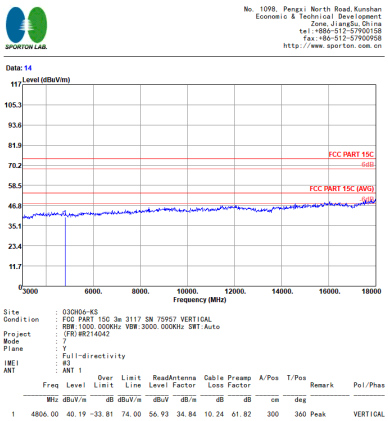
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH19 2440MHz - R	
1	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

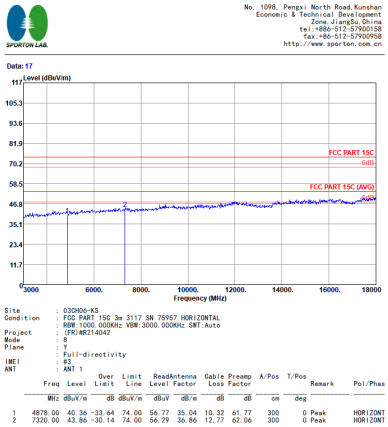
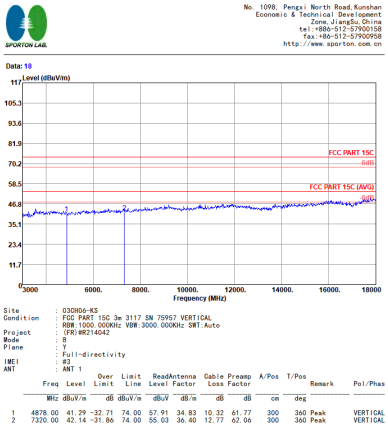
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH39 2480MHz	
1	Horizontal	Fundamental
Peak		
Avg.		

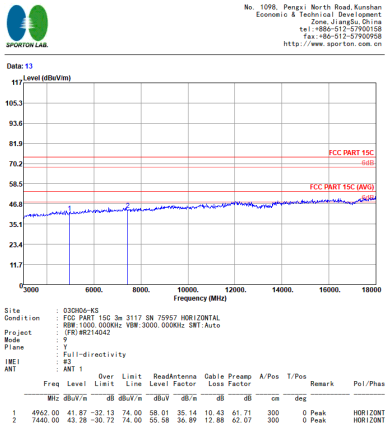
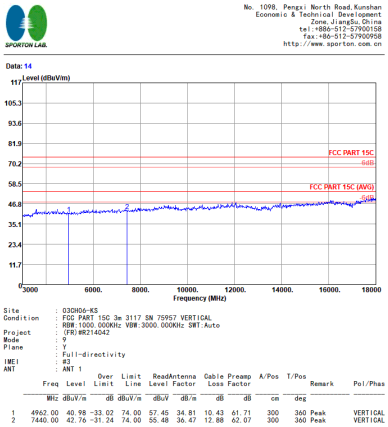
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH39 2480MHz	
1	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz---ANT 1

BLE 2Mbps (Harmonic @ 3m)

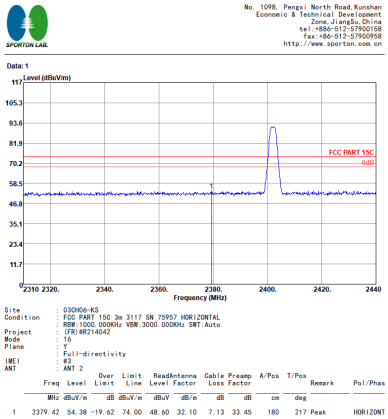
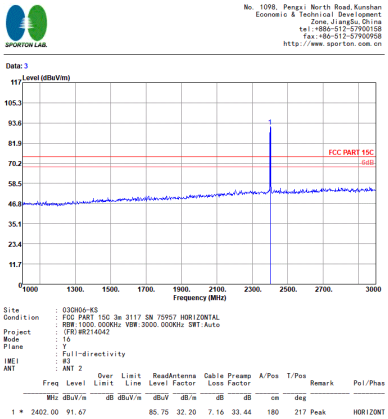
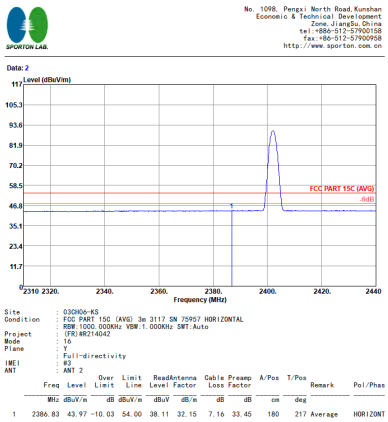
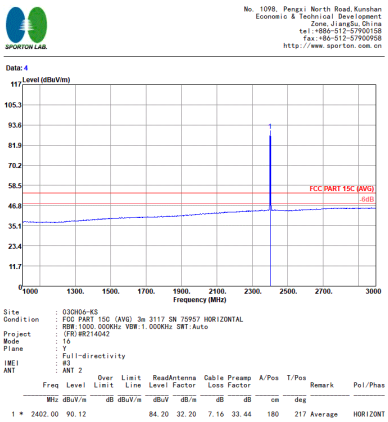
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 2Mbps CH00 2402MHz	
1	Horizontal	Vertical
Peak Avg.	 Data: 13 Level (dBuV/m) FCC PART 15C FCC PART 15C (AVG) Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 7 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 1 1 4806.00 41.55 -32.45 74.00 58.17 34.96 10.24 61.82 300 0 Peak HORIZONT	 Data: 14 Level (dBuV/m) FCC PART 15C FCC PART 15C (AVG) Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 7 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 1 1 4806.00 40.19 -33.81 74.00 56.93 34.84 10.24 61.82 300 360 Peak VERTICAL

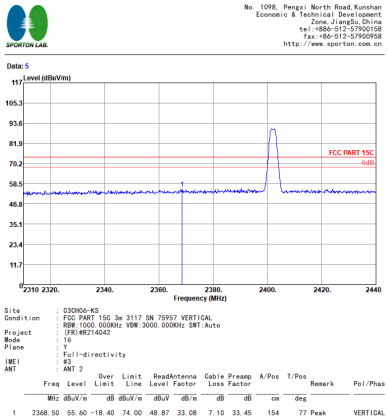
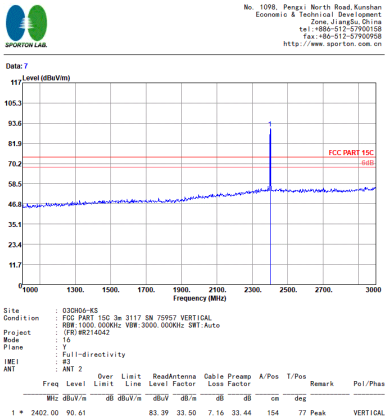
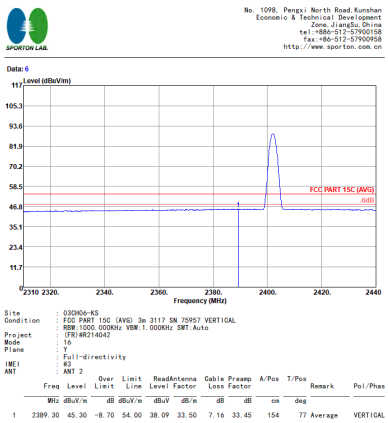
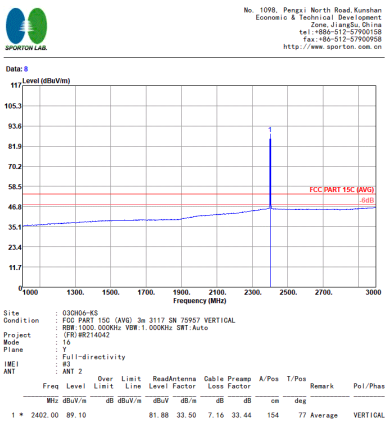
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 2Mbps CH19 2440MHz	
1	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+886-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 17 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 8 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 1 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4878.00 40.36 -33.64 74.00 56.77 35.04 10.32 61.77 300 0 Peak HORIZONT 2 7320.00 43.86 -30.14 74.00 56.29 36.86 12.77 62.06 300 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: 18 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 8 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 1 Freq Level Over Limit Limit Line ReadAntenna Level Factor Cable Loss Factor Preamp Factor A/Pos T/Pos Remark Pol/Phas MHz dBuV/m dB dBuV/m dBuV dB/m dB dB cm deg 1 4878.00 41.29 -32.71 74.00 57.91 34.83 10.32 61.77 300 360 Peak VERTICAL 2 7320.00 42.14 -31.86 74.00 55.03 36.40 12.77 62.06 300 360 Peak VERTICAL

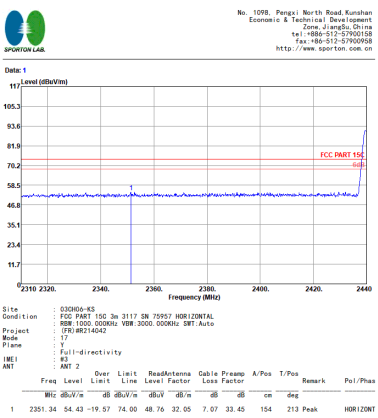
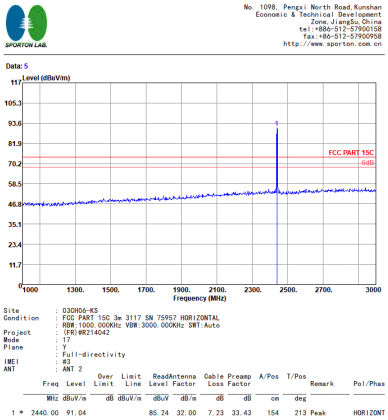
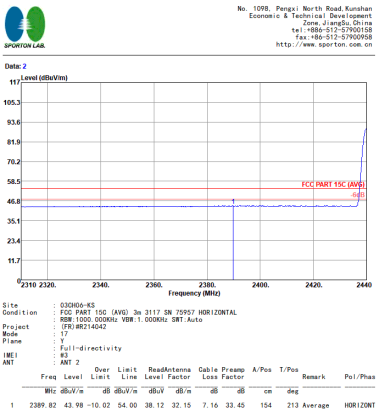
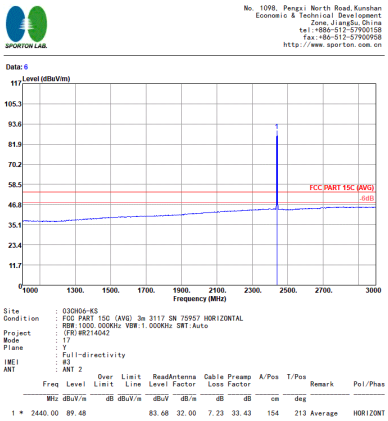
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 2Mbps CH39 2480MHz	
1	Horizontal	Vertical
Peak		

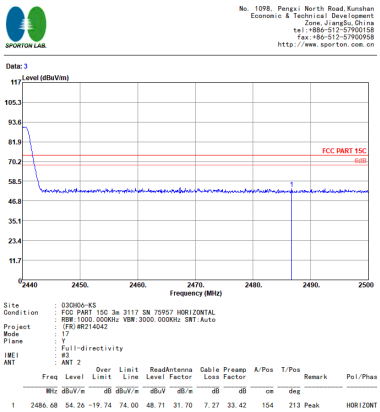
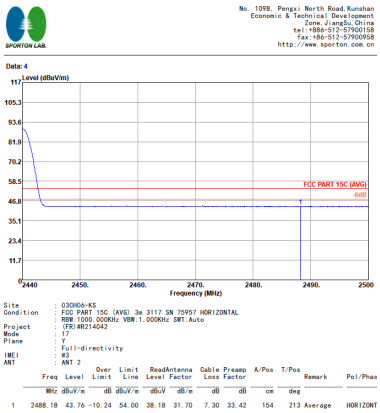
2.4GHz 2400~2483.5MHz---ANT 2

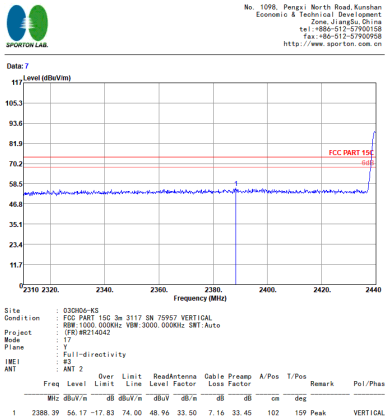
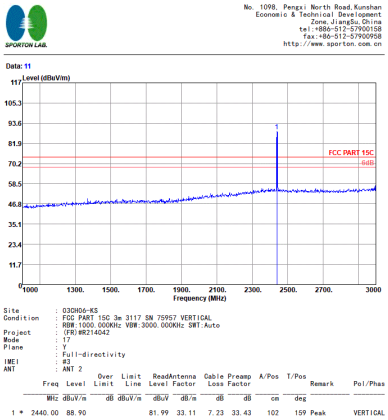
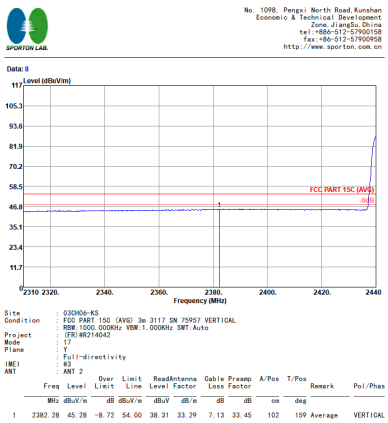
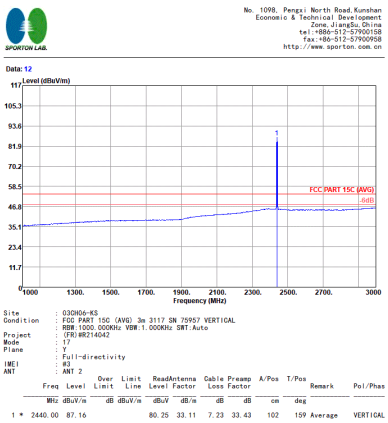
BLE 2Mbps (Band Edge @ 3m)

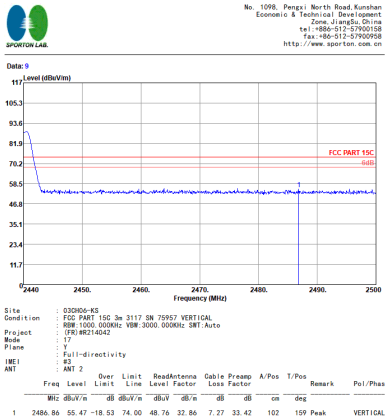
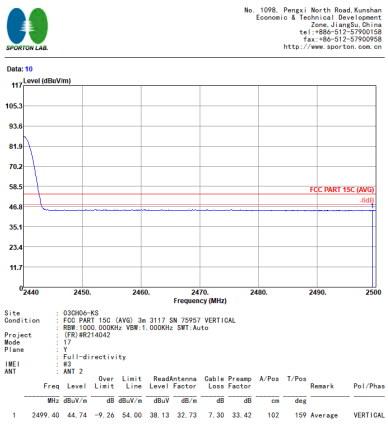
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH00 2402MHz	
2	Horizontal	Fundamental
Peak		
Avg.		

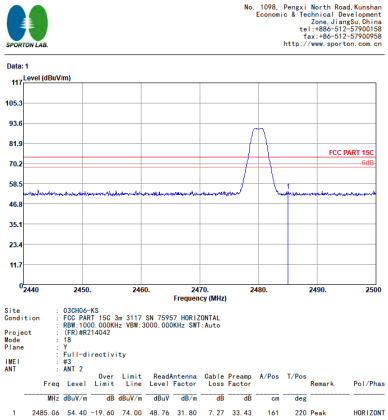
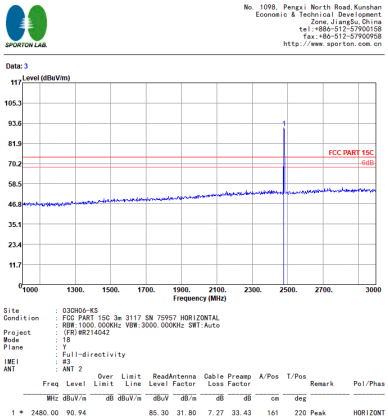
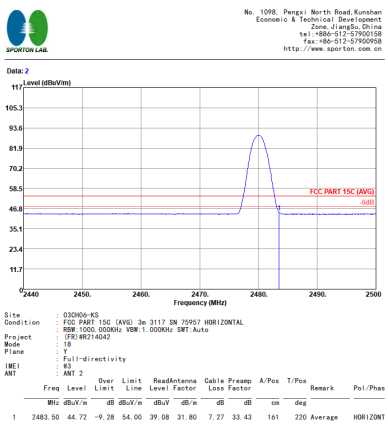
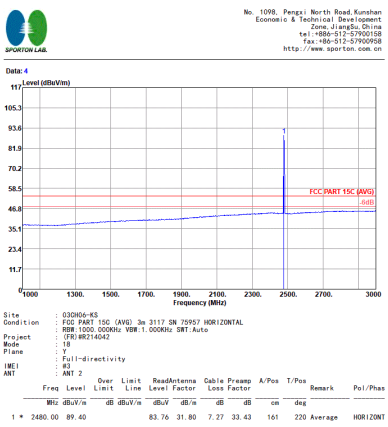
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH00 2402MHz	
2	Vertical	Fundamental
Peak		
Avg		

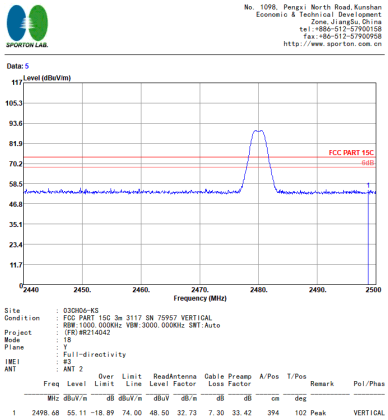
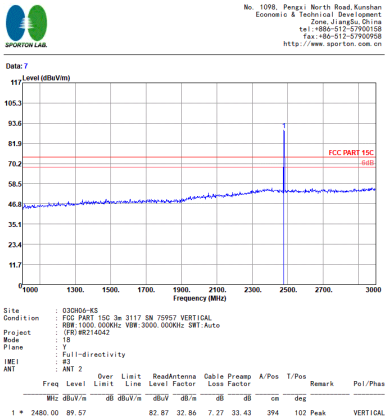
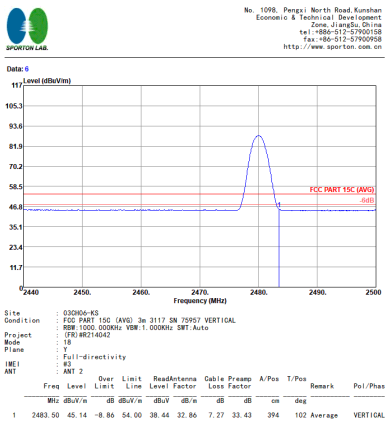
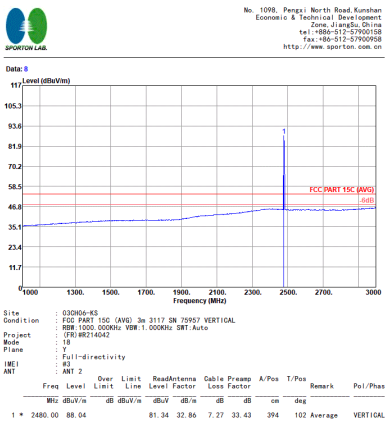
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH19 2440MHz - L	
2	Horizontal	Fundamental
Peak		
Avg.		

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

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

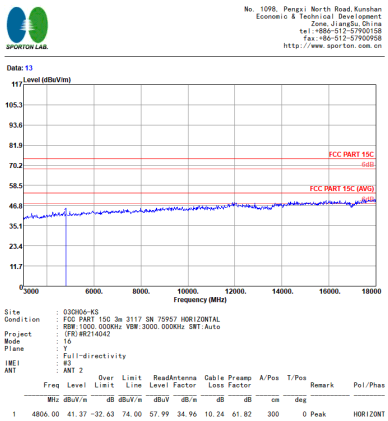
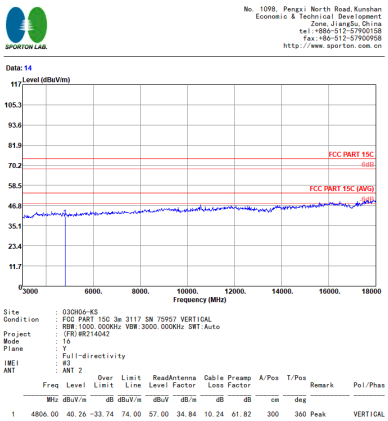
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH19 2440MHz - R	
2	Vertical	Fundamental
Peak		Left blank
Avg.		Left blank

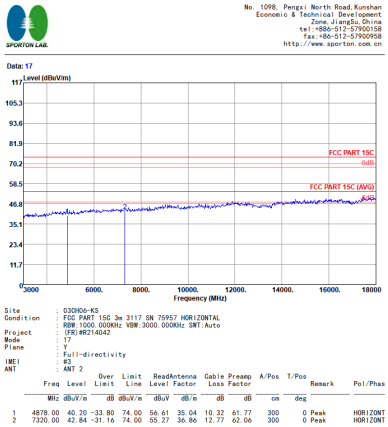
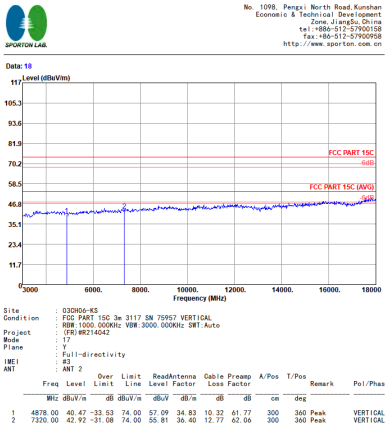
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH39 2480MHz	
2	Horizontal	Fundamental
Peak		
Avg.		

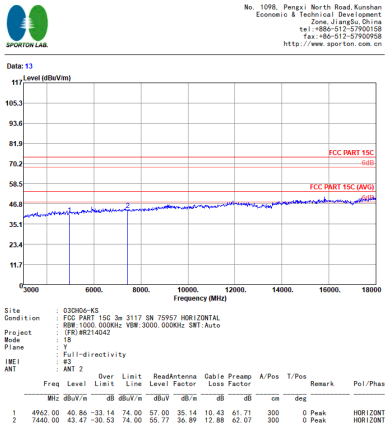
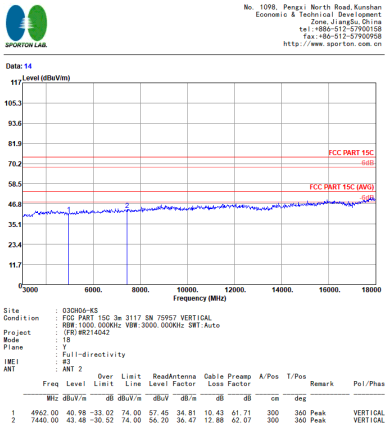
BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BLE 2Mbps CH39 2480MHz	
1	Vertical	Fundamental
Peak		
Avg.		

2.4GHz 2400~2483.5MHz---ANT 2

BLE 2Mbps (Harmonic @ 3m)

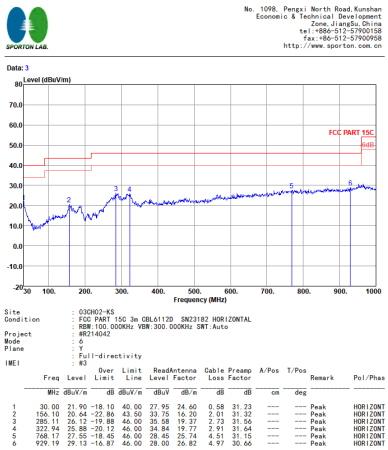
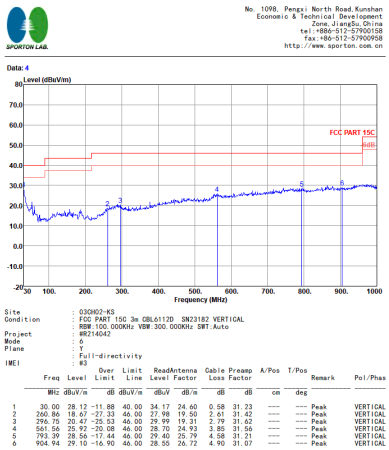
BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 2Mbps CH00 2402MHz	
2	Horizontal	Vertical
Peak Avg.	 No. 1098, Pengxi North Road,Kunshan Economic & Technical Development Zone,JiangSu,China tel:+86-512-57900158 fax:+86-512-57900958 http://www.sporton.com.cn Data: 13 Level (dBuV/m) FCC PART 15C FCC PART 15C (AVG) Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 16 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 2 1 4806.00 41.37 -32.63 74.00 57.99 34.96 10.24 61.82 300 0 Peak 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: 14 Level (dBuV/m) FCC PART 15C FCC PART 15C (AVG) Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 16 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 2 1 4806.00 40.26 -33.74 74.00 57.00 34.84 10.24 61.82 300 360 Peak VERTICAL

BLE	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BLE 2Mbps 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: 17 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 17 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 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 4878.00 40.20 -33.80 74.00 56.61 35.04 10.32 61.77 300 0 Peak HORIZONT 2 7320.00 42.84 -31.16 74.00 55.27 36.86 12.77 62.06 300 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: 18 Level (dBuV/m) FCC PART 15C 6dB FCC PART 15C (AVG) 6dB Frequency (MHz) Site : 03CH06-KS Condition : FCC PART 15C 3m 3117 SN 75957 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Project : (FR)#R214042 Mode : 17 Plane : Y : Full-directivity IMEI : #3 ANT : ANT 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 4878.00 40.47 -33.53 74.00 57.09 34.83 10.32 61.77 300 360 Peak VERTICAL 2 7320.00 42.92 -31.08 74.00 55.81 36.40 12.77 62.06 300 360 Peak VERTICAL

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

Emission below 1GHz

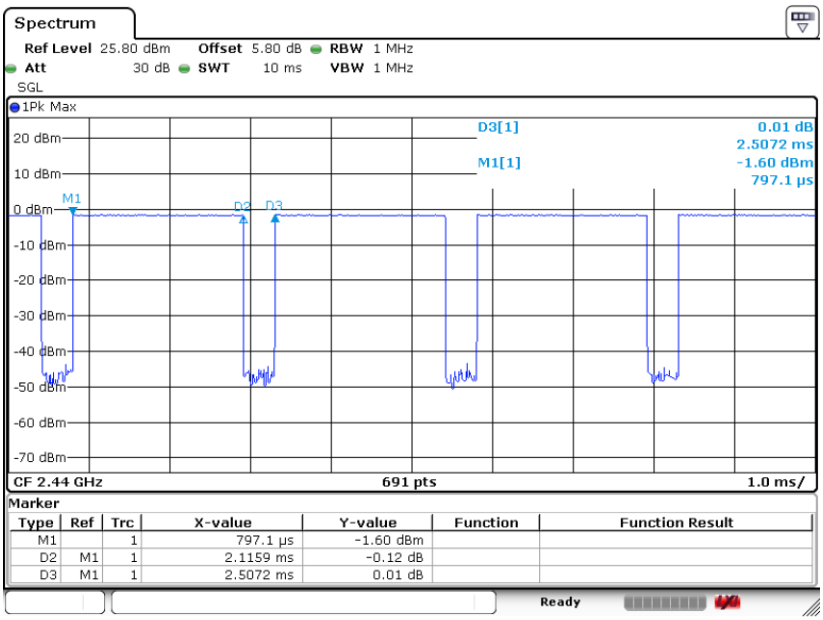
2.4GHz BLE 2Mbps (LF)

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

Appendix E. Duty Cycle Plots

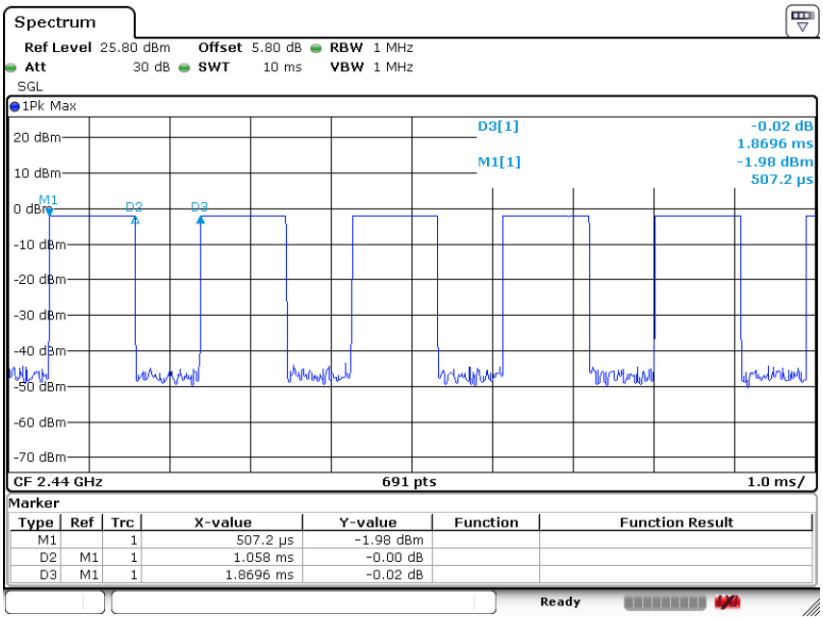
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
Bluetooth LE 1Mbps	84.39	2.116	0.473	0.51KHz
Bluetooth LE 2Mbps	56.59	1.058	0.945	1KHz

Bluetooth LE 1Mbps



Date: 8.OCT.2021 20:05:33

Bluetooth LE 2Mbps



Date: 8.OCT.2021 20:08:45