



Appendix C. Radiated Spurious Emission

2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

BT	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)
BT CH00 2402MHz		2374.35	50.75	-23.25	74	47.69	32.86	7.07	36.87	344	68	P	H
	*	2374.35	25.99	-28.01	54	-	-	-	-	-	-	A	H
		2402	100.46	-	-	97.31	32.88	7.13	36.86	344	68	P	H
		2402	75.70	-	-	-	-	-	-	-	-	A	H
		2337.56	50.51	-23.49	74	47.58	32.81	7.01	36.89	108	104	P	V
	*	2337.56	25.75	-28.25	54	-	-	-	-	-	-	A	V
		2402	101.14	-	-	97.99	32.88	7.13	36.86	108	104	P	V
		2402	76.38	-	-	-	-	-	-	-	-	A	V
BT CH 78 2480MHz		2483.62	57.8	-16.2	74	54.39	32.98	7.25	36.82	152	100	P	H
	*	2483.62	33.04	-20.96	54	-	-	-	-	-	-	A	H
		2480	99.78	-	-	96.37	32.98	7.25	36.82	152	100	P	H
		2480	75.02	-	-	-	-	-	-	-	-	A	H
		2483.56	59.13	-14.87	74	55.72	32.98	7.25	36.82	286	74	P	V
	*	2483.56	34.37	-19.63	54	-	-	-	-	-	-	A	V
		2480	101.65	-	-	98.24	32.98	7.25	36.82	286	74	P	V
		2480	76.89	-	-	-	-	-	-	-	-	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Path Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
BT CH 00 2402MHz		4800	39.61	-34.39	74	60.59	34.19	10.2	65.37	300	0	P	H
		4800	40.37	-33.63	74	61.35	34.19	10.2	65.37	100	0	P	V
BT CH 39 2441MHz		4875	40.57	-33.43	74	61.47	34.23	10.29	65.42	300	0	P	H
		7320	44.08	-29.92	74	61.45	35.87	12.72	65.96	300	0	P	H
		4875	40.17	-33.83	74	61.07	34.23	10.29	65.42	100	0	P	V
		7320	44.35	-29.65	74	61.72	35.87	12.72	65.96	100	0	P	V
BT CH 78 2480MHz		4965	40.51	-33.49	74	61.29	34.28	10.41	65.47	300	0	P	H
		7440	44.22	-29.78	74	61.85	35.89	12.79	66.31	300	0	P	H
		4965	41.23	-32.77	74	62.01	34.28	10.41	65.47	100	0	P	V
		7440	44.69	-29.31	74	62.32	35.89	12.79	66.31	100	0	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Emission below 1GHz

2.4GHz BT (LF)

BT	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)
2.4GHz BT LF		31.94	20.53	-19.47	40	29.21	23.2	0.52	32.4	-	-	P	H
		147.37	15.89	-27.61	43.5	29.34	17.2	1.75	32.4	-	-	P	H
		350.1	19.82	-26.18	46	29.29	20.2	2.73	32.4	-	-	P	H
		516.94	22.61	-23.39	46	27.86	23.84	3.31	32.4	-	-	P	H
		690.57	26.22	-19.78	46	28.4	26.38	3.84	32.4	-	-	P	H
		880.69	29.09	-16.91	46	27.36	29.06	4.32	31.65	-	-	P	H
		30.97	29.49	-10.51	40	36.68	24.7	0.51	32.4	-	-	P	V
		48.43	24.04	-15.96	40	40.69	15	0.75	32.4	-	-	P	V
		59.1	23.79	-16.21	40	43.59	11.7	0.9	32.4	-	-	P	V
		250.19	18.69	-27.31	46	30.39	18.4	2.3	32.4	-	-	P	V
		521.79	23.01	-22.99	46	28.19	23.9	3.32	32.4	-	-	P	V
		757.5	28.28	-17.72	46	28.39	28.15	4.01	32.27	-	-	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	Peak or Average
H/V	Horizontal or Vertical



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

BT	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)
BT 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 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

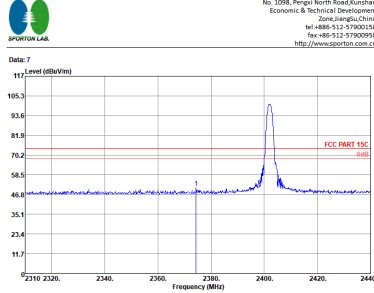
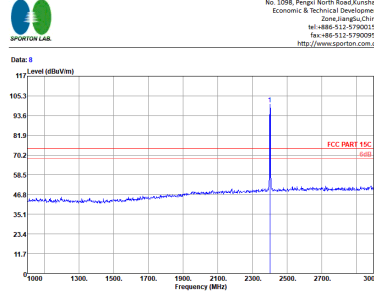
Note symbol

-L	Low channel location
-R	High channel location



2.4GHz 2400~2483.5MHz

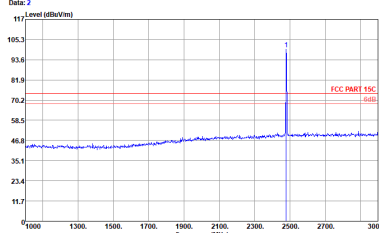
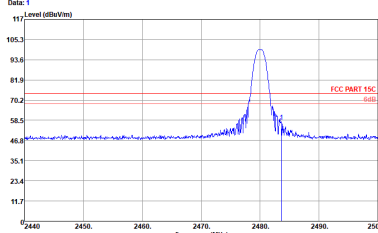
BT (Band Edge @ 3m)

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Peak	 No. 1008, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900218 fax: +86-512-57900958 http://www.sporton.com.cn Site: 03CR05-E5 Condition: FCC PART 15C In 2317 CM TEST HORIZONTAL Project: RFR 1000, 600KHz VSW 1000, 600KHz SPT Auto Rule: CR0210712-01 Phase: 1 Polar: Y Full-directivity: Y IMEI: 848 <table><tr><th>IMEI</th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Headroom</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>Line</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><td>1</td><td>2374.35</td><td>58.75</td><td>-23.25</td><td>74.00</td><td>47.69</td><td>32.86</td><td>7.87</td><td>36.87</td><td>344</td><td>68 Peak HORIZONTAL</td></tr></table>  No. 1008, Pengji North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900218 fax: +86-512-57900958 http://www.sporton.com.cn Site: 03CR05-E5 Condition: FCC PART 15C In 2317 CM TEST HORIZONTAL Project: RFR 1000, 600KHz VSW 1000, 600KHz SPT Auto Rule: CR0210712-01 Phase: 1 Polar: Y Full-directivity: Y IMEI: 848 <table><tr><th>IMEI</th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Headroom</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm</th><th>Line</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th></th><th></th></tr><tr><td>1</td><td>2402.00</td><td>100.46</td><td>26.46</td><td>74.00</td><td>97.33</td><td>32.88</td><td>7.13</td><td>36.86</td><td>344</td><td>68 Peak HORIZONTAL</td></tr></table>	IMEI	Freq	Level	Over Limit	Headroom	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBm	Line	Line	Level	Factor	Loss	Factor			1	2374.35	58.75	-23.25	74.00	47.69	32.86	7.87	36.87	344	68 Peak HORIZONTAL	IMEI	Freq	Level	Over Limit	Headroom	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBm	Line	Line	Level	Factor	Loss	Factor			1	2402.00	100.46	26.46	74.00	97.33	32.88	7.13	36.86	344	68 Peak HORIZONTAL
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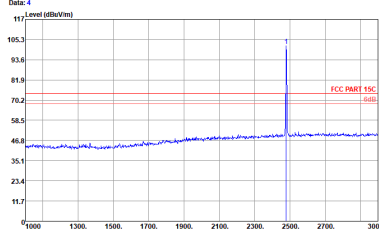
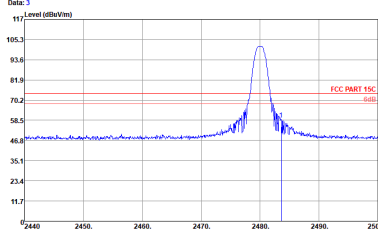
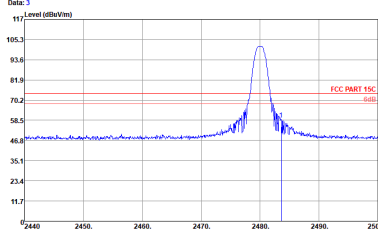


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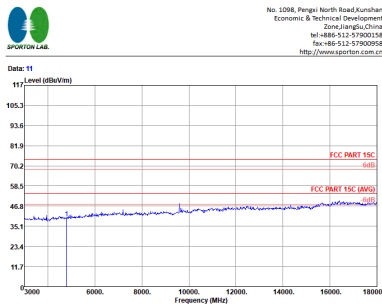
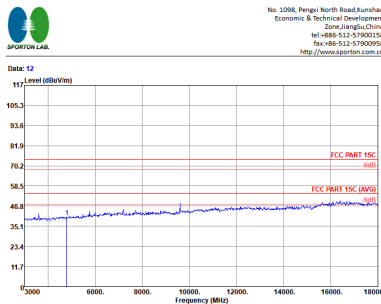
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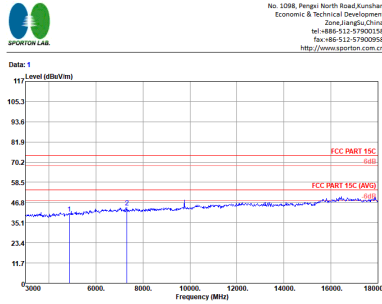
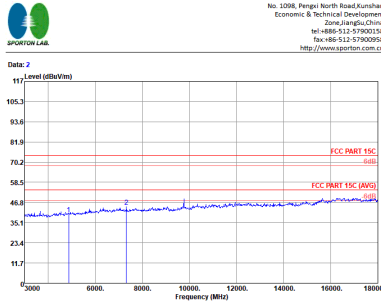
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2.4GHz 2400~2483.5MHz
BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																						
ANT	BT CH00 2402MHz																																																																						
1	Horizontal					Vertical																																																																	
Peak Avg.	 No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-579000158 Fax: +86-512-579000658 http://www.sporton.com.cn Site : D23805-E5 Condition : FCC PART 15C @ 3m 1017 CM 70967 HORIZONTAL Project : RFV 1000, 0000Hz YZF 1000, 0000Hz SPT Auto Pole : 1 Plane : 1 Full-directivity : Y IME1 : 448 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4880.00</td><td>39.61</td><td>-34.39</td><td>74.00</td><td>69.59</td><td>34.19</td><td>10.20</td><td>65.37</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>  No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-579000158 Fax: +86-512-579000658 http://www.sporton.com.cn Site : D23805-E5 Condition : FCC PART 15C @ 3m 1017 CM 70967 VERTICAL Project : RFV 1000, 0000Hz YZF 1000, 0000Hz SPT Auto Pole : 1 Plane : 1 Full-directivity : Y IME1 : 448 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4880.00</td><td>40.37</td><td>-33.63</td><td>74.00</td><td>61.35</td><td>34.19</td><td>10.20</td><td>65.37</td><td>0 Peak</td><td>VERTICAL</td></tr></table>					Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	4880.00	39.61	-34.39	74.00	69.59	34.19	10.20	65.37	0 Peak	HORIZONTAL	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100kHz	dB	dBm/100kHz	dBm/100kHz	dB	dB	cm	deg			1	4880.00	40.37	-33.63	74.00	61.35	34.19	10.20	65.37	0 Peak	VERTICAL
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Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900058 http://www.sporton.com.cn Site : 03CB05-E5 Condition : FCC PART 15C 2m 3317 SW 75957 HORIZONTAL RFW 1000.000MHz YSW 1000.000MHz SWT Auto Project : FR210712-01 Mode : 2 Plane : T Full-directivity : 4dB <table><tr><th>INEI</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4875.00</td><td>48.57</td><td>-33.43</td><td>74.00</td><td>61.47</td><td>34.23</td><td>18.29</td><td>65.42</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr><tr><td>2</td><td>7320.00</td><td>44.88</td><td>-29.92</td><td>74.00</td><td>61.45</td><td>35.87</td><td>12.72</td><td>65.96</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>	INEI	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	dB	cm	deg			1	4875.00	48.57	-33.43	74.00	61.47	34.23	18.29	65.42	300	0 Peak	HORIZONTAL	2	7320.00	44.88	-29.92	74.00	61.45	35.87	12.72	65.96	300	0 Peak	HORIZONTAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900058 http://www.sporton.com.cn Site : 03CB05-E5 Condition : FCC PART 15C 2m 3317 SW 75957 VERTICAL RFW 1000.000MHz YSW 1000.000MHz SWT Auto Project : FR210712-01 Mode : 2 Plane : T Full-directivity : 4dB <table><tr><th>INEI</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm/100kHz</th><th>dB</th><th>dBm/100kHz</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4875.00</td><td>48.17</td><td>-33.83</td><td>74.00</td><td>61.87</td><td>34.23</td><td>18.29</td><td>65.42</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>7320.00</td><td>44.35</td><td>-29.65</td><td>74.00</td><td>61.72</td><td>35.87</td><td>12.72</td><td>65.96</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	INEI	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBm/100kHz	dB	dBm/100kHz	dB	dB	dB	cm	deg			1	4875.00	48.17	-33.83	74.00	61.87	34.23	18.29	65.42	100	0 Peak	VERTICAL	2	7320.00	44.35	-29.65	74.00	61.72	35.87	12.72	65.96	100	0 Peak	VERTICAL
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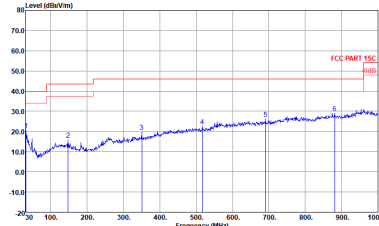
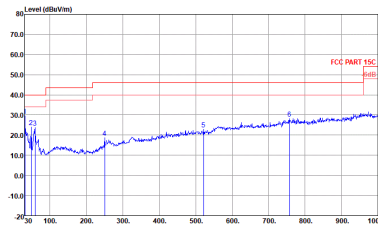


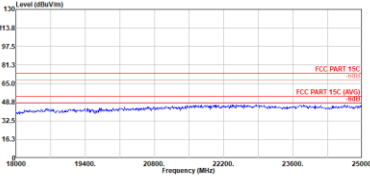
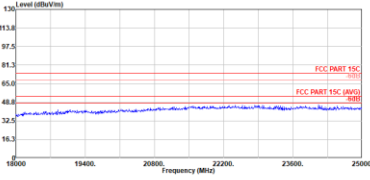
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH78 2480MHz	
1	Horizontal	Vertical
Peak Avg.	No. 1098, Pengxi North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Site : D0305-85 Condition : FCC PART 15C 2m 3317 SW 75957 HORIZONTAL RFW 1000, 000MHz Y5W 1000, 000MHz SWT Auto Project : FR210712-01 Mode : 2 Plane : T Full-directivity : 4dB IMEI : Freq Level Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/100m dB dBm/100m dBm/100m dBm/100m dBm/100m cm deg 1 4965.00 40.51 -33.49 74.00 61.29 34.28 30.41 65.47 300 0 Peak HORIZONTAL 2 7440.00 44.22 -29.78 74.00 61.85 35.89 32.79 66.31 300 0 Peak HORIZONTAL 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 Site : D0305-85 Condition : FCC PART 15C 2m 3317 SW 75957 VERTICAL RFW 1000, 000MHz Y5W 1000, 000MHz SWT Auto Project : FR210712-01 Mode : 2 Plane : T Full-directivity : 4dB IMEI : Freq Level Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas MHz dBm/100m dB dBm/100m dBm/100m dBm/100m dBm/100m cm deg 1 4965.00 41.23 -32.77 74.00 62.81 34.28 30.41 65.47 100 0 Peak VERTICAL 2 7440.00 44.69 -29.31 74.00 62.32 35.89 32.79 66.31 100 0 Peak VERTICAL	



Emission below 1GHz

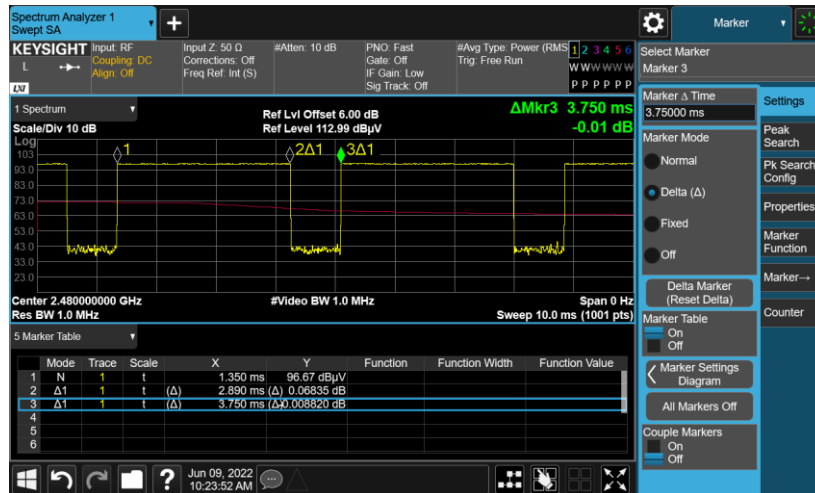
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz																																																																																																																																																																																																	
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QP / Peak	 No. 1006, Pengli North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Data: 7  Site : 03CR05-E1 Condition : FCC PART 15C 2m CEL 611D 59913 HORIZONTAL Project : RFF 100.000MHz VSW 300.000Hz SPT Auto Ride : 2 Plane : 2 IMEI : Full-directivity #00 <table><tr><th>IMEI</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>31.94</td><td>20.53</td><td>-19.47</td><td>40.00</td><td>29.21</td><td>23.20</td><td>0.52</td><td>32.40</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>2</td><td>147.17</td><td>15.89</td><td>-27.61</td><td>40.00</td><td>29.34</td><td>17.20</td><td>1.75</td><td>32.40</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>3</td><td>398.18</td><td>19.62</td><td>-20.18</td><td>40.00</td><td>29.29</td><td>20.20</td><td>2.73</td><td>32.40</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>4</td><td>516.94</td><td>22.63</td><td>-23.39</td><td>40.00</td><td>27.66</td><td>23.84</td><td>3.33</td><td>32.40</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>5</td><td>698.57</td><td>26.62</td><td>-25.78</td><td>40.00</td><td>26.36</td><td>26.36</td><td>3.66</td><td>32.40</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>6</td><td>888.69</td><td>29.89</td><td>-26.93</td><td>40.00</td><td>27.36</td><td>29.06</td><td>4.32</td><td>31.65</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr></table>	IMEI	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	Level	Line	Level	Factor	Loss	Factor	dB	cm	deg	1	31.94	20.53	-19.47	40.00	29.21	23.20	0.52	32.40	---	---	Peak HORIZONTAL	2	147.17	15.89	-27.61	40.00	29.34	17.20	1.75	32.40	---	---	Peak HORIZONTAL	3	398.18	19.62	-20.18	40.00	29.29	20.20	2.73	32.40	---	---	Peak HORIZONTAL	4	516.94	22.63	-23.39	40.00	27.66	23.84	3.33	32.40	---	---	Peak HORIZONTAL	5	698.57	26.62	-25.78	40.00	26.36	26.36	3.66	32.40	---	---	Peak HORIZONTAL	6	888.69	29.89	-26.93	40.00	27.36	29.06	4.32	31.65	---	---	Peak HORIZONTAL	 No. 1006, Pengli North Road, Kunshan Economic & Technical Development Zone, Jiangsu, China Tel: +86-512-57900158 Fax: +86-512-57900958 http://www.sporton.com.cn Data: 8  Site : 03CR05-E1 Condition : FCC PART 15C 2m CEL 611D 59913 VERTICAL Project : RFF 100.000MHz VSW 300.000Hz SPT Auto Ride : 2 Plane : 2 IMEI : Full-directivity #00 <table><tr><th>IMEI</th><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>Level</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>38.97</td><td>29.49</td><td>-10.51</td><td>40.00</td><td>36.68</td><td>24.78</td><td>0.51</td><td>32.40</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>2</td><td>48.43</td><td>24.84</td><td>-15.96</td><td>40.00</td><td>40.69</td><td>15.80</td><td>0.75</td><td>32.40</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>3</td><td>50.18</td><td>23.79</td><td>-16.21</td><td>40.00</td><td>43.59</td><td>11.70</td><td>0.90</td><td>32.40</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>4</td><td>250.19</td><td>18.69</td><td>-27.31</td><td>40.00</td><td>38.39</td><td>18.40</td><td>2.30</td><td>32.40</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>5</td><td>321.79</td><td>23.84</td><td>-22.99</td><td>40.00</td><td>28.19</td><td>23.98</td><td>3.32</td><td>32.40</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>6</td><td>757.50</td><td>28.28</td><td>-17.72</td><td>40.00</td><td>28.39</td><td>28.15</td><td>4.01</td><td>32.27</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr></table>	IMEI	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas		MHz	dBuV/m	Level	Line	Level	Factor	Loss	Factor	dB	cm	deg	1	38.97	29.49	-10.51	40.00	36.68	24.78	0.51	32.40	---	---	Peak VERTICAL	2	48.43	24.84	-15.96	40.00	40.69	15.80	0.75	32.40	---	---	Peak VERTICAL	3	50.18	23.79	-16.21	40.00	43.59	11.70	0.90	32.40	---	---	Peak VERTICAL	4	250.19	18.69	-27.31	40.00	38.39	18.40	2.30	32.40	---	---	Peak VERTICAL	5	321.79	23.84	-22.99	40.00	28.19	23.98	3.32	32.40	---	---	Peak VERTICAL	6	757.50	28.28	-17.72	40.00	28.39	28.15	4.01	32.27	---	---	Peak VERTICAL
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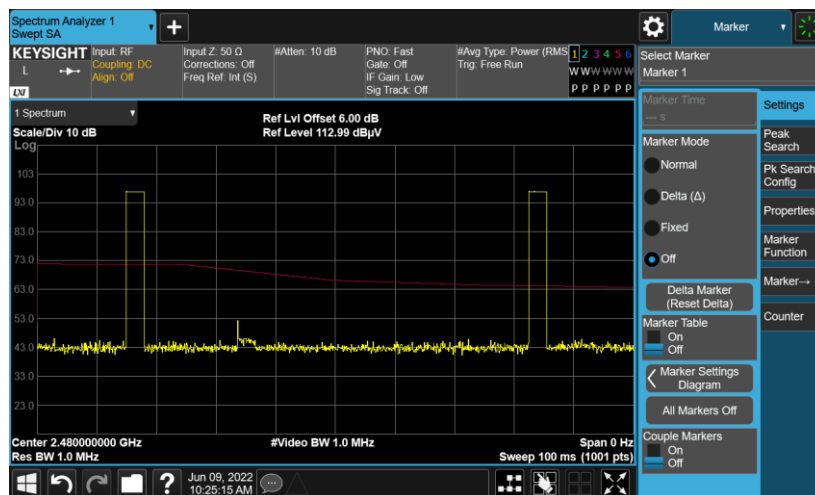
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m from worse case	
ANT	BT CH78 2480MHz(18GHz-25GHz)	
1	Horizontal	Vertical
Peak		

Appendix E. Duty Cycle Plots

3DH5 on time (One Pulse) Plot on Channel 39



3DH5 on time (Count Pulses) Plot on Channel 39



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.89 / 100 = 5.78 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.76 \text{ dB}$
3. 3DH5 has the highest duty cycle worst case and is reported.