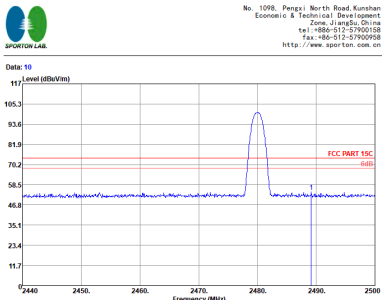
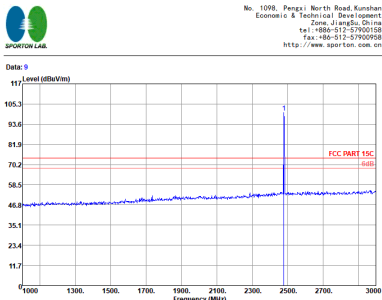


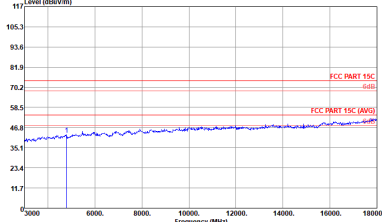
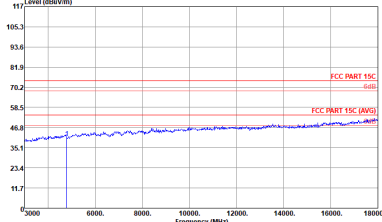


BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH78 2480MHz	
1	Vertical	Fundamental
Peak	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030904-K5 Condition : FCC PART 15C 3m 3117 SN 00218642 VERTICAL Project : R88-1000-0000KHz VBR:1000-0000KHz SRT:Auto Mode : FR102106-01 MEI : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas 1 2480.00 100.51 26.51 74.00 94.75 31.12 7.27 32.64 358 227 Peak VERTICAL	 No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030904-K5 Condition : FCC PART 15C 3m 3117 SN 00218642 VERTICAL Project : R88-1000-0000KHz VBR:1000-0000KHz SRT:Auto Mode : FR102106-01 MEI : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas 1 2480.00 100.51 26.51 74.00 94.75 31.12 7.27 32.64 358 227 Peak VERTICAL



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, Pengzi North Road, Kunshan Economic & Technological Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 5  Site : 030904-K3 Condition : FCC PART 15C 3m 3117 SN 00318642 HORIZONTAL Project : RSM 1000, 0000Hz VSW 1000, 0000Hz SRT Auto Bds : (FR)102106-01 Mts : #12 E1F-BASE1 Plane : X Full-directivity Over Limit Level Factor Loss Factor <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4800.00</td><td>42.71</td><td>-31.29</td><td>74.00</td><td>58.00</td><td>34.51</td><td>10.24</td><td>60.04</td><td>300</td><td>0 Peak</td><td>HORIZONTAL</td></tr></table>  No. 1098, Pengzi North Road, Kunshan Economic & Technological Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Date: 6  Site : 030904-K3 Condition : FCC PART 15C 3m 3117 SN 00318642 VERTICAL Project : RSM 1000, 0000Hz VSW 1000, 0000Hz SRT Auto Bds : (FR)102106-01 Mts : #12 E1F-BASE1 Plane : X Full-directivity Over Limit Level Factor Loss Factor <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level Factor</th><th>Loss Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dBm/Hz</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4800.00</td><td>40.68</td><td>-33.32</td><td>74.00</td><td>55.97</td><td>34.51</td><td>10.24</td><td>60.04</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr></table>	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dBm/Hz	dBm/Hz	dBm/Hz	dBm/Hz	dB	dB	cm	deg	1	4800.00	42.71	-31.29	74.00	58.00	34.51	10.24	60.04	300	0 Peak	HORIZONTAL	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/Hz	dBm/Hz	dBm/Hz	dBm/Hz	dBm/Hz	dB	dB	cm	deg	1	4800.00	40.68	-33.32	74.00	55.97	34.51	10.24	60.04	100	0 Peak	VERTICAL
	Freq	Level	Limit	Line	Level Factor	Loss Factor	A/Pos	T/Pos	Remark	Pol/Phas																																																							
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BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SW 00218442 HORIZONTA Project : RBW:1000,000kHz VBW:1000,000kHz SMT:Auto File : FR102106-01 Ref : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp Loss Factor A/Pos T/Pos Remark Pol/Phas 1 4870.00 41.89 -32.11 74.00 56.94 34.66 10.32 60.03 300 0 Peak HORIZONT 2 7320.00 44.51 -29.49 74.00 55.70 36.56 12.77 60.52 300 0 Peak HORIZONT	Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SW 00218442 VERTICAL Project : RBW:1000,000kHz VBW:1000,000kHz SMT:Auto File : FR102106-01 Ref : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp Loss Factor A/Pos T/Pos Remark Pol/Phas 1 4870.00 41.03 -32.97 74.00 56.08 34.66 10.32 60.03 100 0 Peak VERTICAL 2 7320.00 43.77 -30.23 74.00 54.16 36.56 12.77 60.52 100 0 Peak VERTICAL



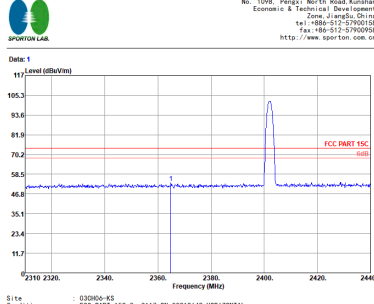
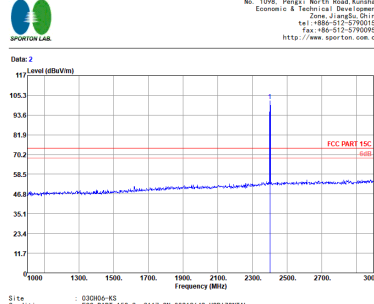
BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m																																																																																									
ANT	BT CH78 2480MHz																																																																																									
1	Horizontal	Vertical																																																																																								
Peak	Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SW 00218A42 HORIZONT Project : RBM 1000 0000Hz VSW:1000 0000Hz SRT:Auto Mode : (FR)102106-01 MEI : 2 Plane : #12 E1F-BASE1 Full-directivity : 2 <table><thead><tr><th>Freq</th><th>Level</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/100m</th><th>dBm/100m</th><th>dBm/100m</th><th>dBm/100m</th><th>dBm/100m</th><th>cm</th><th>deg</th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>4960.00</td><td>43.50</td><td>-30.50</td><td>74.00</td><td>58.27</td><td>34.81</td><td>10.43</td><td>60.01</td><td>300</td><td>0 Peak</td><td>HORIZONT</td></tr><tr><td>2</td><td>7440.00</td><td>45.02</td><td>-28.98</td><td>74.00</td><td>56.09</td><td>36.39</td><td>12.88</td><td>60.54</td><td>300</td><td>0 Peak</td><td>HORIZONT</td></tr></tbody></table>	Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dBm/100m	dBm/100m	dBm/100m	dBm/100m	cm	deg			1	4960.00	43.50	-30.50	74.00	58.27	34.81	10.43	60.01	300	0 Peak	HORIZONT	2	7440.00	45.02	-28.98	74.00	56.09	36.39	12.88	60.54	300	0 Peak	HORIZONT	Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SW 00218A42 VERTICAL Project : RBM 1000 0000Hz VSW:1000 0000Hz SRT:Auto Mode : (FR)102106-01 MEI : 2 Plane : #12 E1F-BASE1 Full-directivity : 2 <table><thead><tr><th>Freq</th><th>Level</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/100m</th><th>dBm/100m</th><th>dBm/100m</th><th>dBm/100m</th><th>dBm/100m</th><th>cm</th><th>deg</th><th></th><th></th></tr></thead><tbody><tr><td>1</td><td>4960.00</td><td>41.94</td><td>-32.06</td><td>74.00</td><td>56.71</td><td>34.81</td><td>10.43</td><td>60.01</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr><tr><td>2</td><td>7440.00</td><td>44.62</td><td>-29.38</td><td>74.00</td><td>55.69</td><td>36.39</td><td>12.88</td><td>60.54</td><td>100</td><td>0 Peak</td><td>VERTICAL</td></tr></tbody></table>	Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBm/100m	dBm/100m	dBm/100m	dBm/100m	dBm/100m	cm	deg			1	4960.00	41.94	-32.06	74.00	56.71	34.81	10.43	60.01	100	0 Peak	VERTICAL	2	7440.00	44.62	-29.38	74.00	55.69	36.39	12.88	60.54	100	0 Peak	VERTICAL
Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																																																	
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2	7440.00	44.62	-29.38	74.00	55.69	36.39	12.88	60.54	100	0 Peak	VERTICAL																																																																															

Note: Pre-scanned for 18GHz to 26GHz, there are no signals, thus only test data below 18GHz are shown in the report.



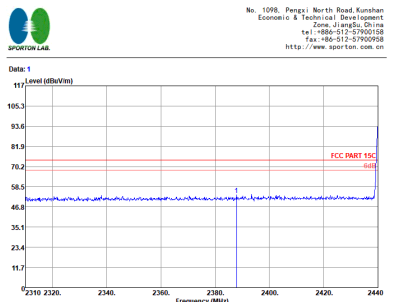
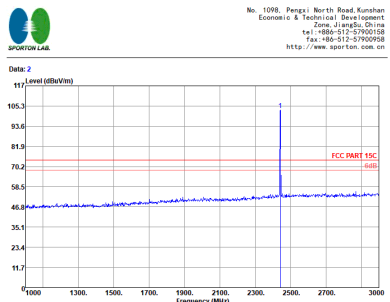
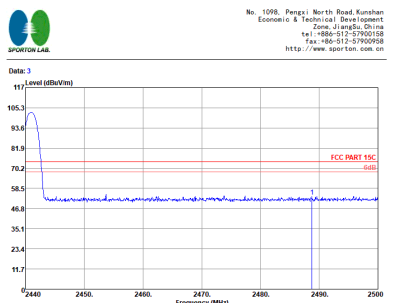
2.4GHz 2400~2483.5MHz

BT (Band Edge @ 3m)

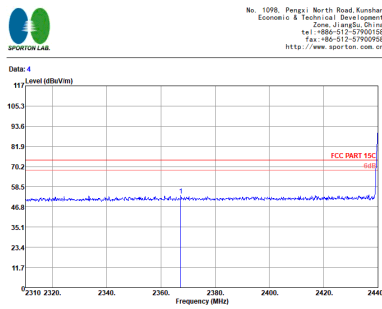
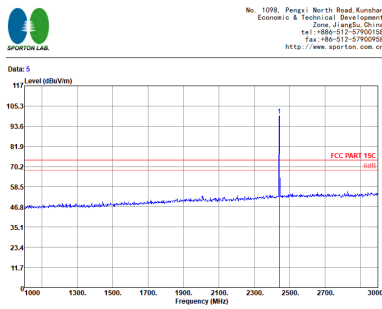
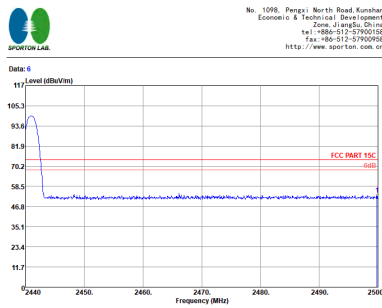
BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																								
ANT	BT CH00 2402MHz																																																																								
2	Horizontal	Fundamental																																																																							
Peak	 No. 1098 Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900108 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030906-KS Condition : FCC PART 15C 3a 3117 SN 00718642 HORIZONTAL RBR 1000.000KHz VBR 1000.000KHz SRT Auto Project : FR1O2106-01 Mode : 10 MEI : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2364.86</td><td>53.32</td><td>-20.68</td><td>74.00</td><td>48.27</td><td>30.83</td><td>7.10</td><td>32.88</td><td>104</td><td>118</td><td>Peak HORIZONTAL</td></tr></table>  No. 1098 Pengzi North Road Kunshan Economic & Technical Development Zone, Jiangsu, China tel: +86-512-57900108 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030906-KS Condition : FCC PART 15C 3a 3117 SN 00718642 HORIZONTAL RBR 1000.000KHz VBR 1000.000KHz SRT Auto Project : FR1O2106-01 Mode : 10 MEI : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas <table><tr><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>2402.00</td><td>101.96</td><td>27.96</td><td>74.00</td><td>96.64</td><td>31.00</td><td>7.16</td><td>32.84</td><td>104</td><td>118</td><td>Peak HORIZONTAL</td></tr></table>	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg			1	2364.86	53.32	-20.68	74.00	48.27	30.83	7.10	32.88	104	118	Peak HORIZONTAL	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg			1	2402.00	101.96	27.96	74.00	96.64	31.00	7.16	32.84	104	118	Peak HORIZONTAL
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	A/Pos	T/Pos	Remark	Pol/Phas																																																														
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BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	BT CH00 2402MHz	
2	Vertical	Fundamental
Peak	No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SW 00218642 VERTICAL Project : RRM 1000 0000Hz VBR:1000 0000Hz SRT:Auto Mode : FPO 102106-01 Ref : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Premo Loss Factor A/Pos T/Pos Remark Pol/Phas 1 2333.40 53.38 -20.67 74.00 48.53 30.77 7.04 32.96 391 54 Peak VERTICAL	No. 1098, Pengzi North Road, Kunshan Economic & Technical Development Zone, Jiangsu China tel: +86-512-57900158 fax: +86-512-57900958 http://www.sporton.com.cn Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SW 00218642 VERTICAL Project : RRM 1000 0000Hz VBR:1000 0000Hz SRT:Auto Mode : FPO 102106-01 Ref : #12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Premo Loss Factor A/Pos T/Pos Remark Pol/Phas 1 2402.00 100.14 26.14 74.00 94.82 31.00 7.16 32.84 391 54 Peak VERTICAL

BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m			
ANT	BT CH39 2441MHz			
2	Horizontal		Fundamental	
Peak	 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 Condition: 030H0-K5 FCC PART 15C 3m 3117.5N 0021804Z HORIZTAL R88 1000.000KHz VBR 1000.000KHz SWT Auto Project: (FR)102106-01 Mode: 11 NET: #12 EIF-BASE1 Plane: Z Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas Freq Level Limit Line Level Factor Loss Factor 1 2387.87 53.73 -20.27 74.00 48.51 30.94 7.16 32.88 104 118 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 Site Condition: 030H0-K5 FCC PART 15C 3m 3117.5N 0021804Z HORIZTAL R88 1000.000KHz VBR 1000.000KHz SWT Auto Project: (FR)102106-01 Mode: 11 NET: #12 EIF-BASE1 Plane: Z Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas Freq Level Limit Line Level Factor Loss Factor 1 2442.00 102.88 28.88 74.00 97.29 31.07 7.23 32.71 104 118 Peak HORIZONT	
Peak	 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 Condition: 030H0-K5 FCC PART 15C 3m 3117.5N 0021804Z HORIZTAL R88 1000.000KHz VBR 1000.000KHz SWT Auto Project: (FR)102106-01 Mode: 11 NET: #12 EIF-BASE1 Plane: Z Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Remark Pol/Phas Freq Level Limit Line Level Factor Loss Factor 1 2488.78 53.77 -20.23 74.00 47.94 31.17 7.30 32.64 104 118 Peak HORIZONT		Left blank	



BT	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																															
ANT	BT CH39 2441MHz																																																															
2	Vertical	Fundamental																																																														
Peak	 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 : 030904-KS Condition : FCC PART 15C 3m 3117 SN 00218642 VERTICAL Project : RSM-1000 0000Hz VSW:1000.0000Hz SMT-Auto Model : FRU102106-01 MEI : #12 E1F-BASE1 Plane : X <table><tr><th>Full-directivity</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>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2367.33</td><td>53.44</td><td>-20.56</td><td>74.00</td><td>48.34</td><td>30.88</td><td>7.10</td><td>32.88</td><td>383 30 Peak</td><td>VERTICAL</td></tr></table>  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 : 030904-KS Condition : FCC PART 15C 3m 3117 SN 00218642 VERTICAL Project : RSM-1000 0000Hz VSW:1000.0000Hz SMT-Auto Model : FRU102106-01 MEI : #12 E1F-BASE1 Plane : X <table><tr><th>Full-directivity</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>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2442.00</td><td>99.59</td><td>25.59</td><td>74.00</td><td>94.00</td><td>31.07</td><td>7.23</td><td>32.71</td><td>383 30 Peak</td><td>VERTICAL</td></tr></table>	Full-directivity	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg	1	2367.33	53.44	-20.56	74.00	48.34	30.88	7.10	32.88	383 30 Peak	VERTICAL	Full-directivity	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg	1	2442.00	99.59	25.59	74.00	94.00	31.07	7.23	32.71	383 30 Peak	VERTICAL	Left blank
	Full-directivity	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																						
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg																																																							
1	2367.33	53.44	-20.56	74.00	48.34	30.88	7.10	32.88	383 30 Peak	VERTICAL																																																						
Full-directivity	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg																																																							
1	2442.00	99.59	25.59	74.00	94.00	31.07	7.23	32.71	383 30 Peak	VERTICAL																																																						
Peak	 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 : 030904-KS Condition : FCC PART 15C 3m 3117 SN 00218642 VERTICAL Project : RSM-1000 0000Hz VSW:1000.0000Hz SMT-Auto Model : FRU102106-01 MEI : #12 E1F-BASE1 Plane : X <table><tr><th>Full-directivity</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>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2499.82</td><td>53.69</td><td>-20.31</td><td>74.00</td><td>47.79</td><td>31.17</td><td>7.30</td><td>32.57</td><td>383 30 Peak</td><td>VERTICAL</td></tr></table>	Full-directivity	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg	1	2499.82	53.69	-20.31	74.00	47.79	31.17	7.30	32.57	383 30 Peak	VERTICAL																																
Full-directivity	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas																																																							
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg																																																							
1	2499.82	53.69	-20.31	74.00	47.79	31.17	7.30	32.57	383 30 Peak	VERTICAL																																																						

BT

ANT

2

2.4GHz 2400~2483.5MHz Band Edge @ 3m

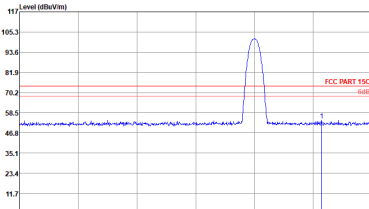
BT CH78 2480MHz

Horizontal

SPORTON LAB

No. 1098, Pengxi North Road, Kunshan
Economic & Technical Development
Zone, Jiangsu, China
Tel: +86-512-57900158
Fax: +86-512-57900058
http://www.sporton.com.cn

Date: 8



Site Condition Project Mode File Plane Full-identity

: 030104-KS
: FCC PART 15C 3m 3117 SN 00218442 HORIZTONTAL
: R08-1000, 0000Hz, V08-1000, 0000Hz, SBT Auto
: (F0) 102100-01
: 12
: #12 E1P-S04S1
: X

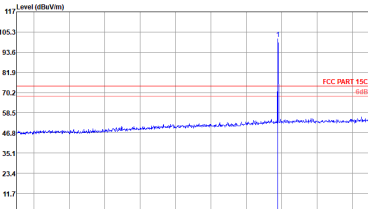
Freq	Level	Limit	Line	Level	Factor	Loss	Factor	A/Pos	T/Pos	Remark	Pol/Phas
MHz	dBm/100MHz	dB	dBm/100MHz	dB	dB	dB	dB	dB	dB	deg	
1	2481.42	54.02	-19.98	74.00	48.19	31.17	7.10	32.64	124	132	Peak HORIZONT

Fundamental

SPORTON LAB

No. 1098, Pengxi North Road, Kunshan
Economic & Technical Development
Zone, Jiangsu, China
Tel: +86-512-57900158
Fax: +86-512-57900058
http://www.sporton.com.cn

Date: 7



Site Condition Project Mode File Plane Full-identity

: 030104-KS
: FCC PART 15C 3m 3117 SN 00218442 HORIZTONTAL
: R08-1000, 0000Hz, V08-1000, 0000Hz, SBT Auto
: (F0) 102100-01
: 12
: #12 E1P-S04S1
: X

Freq	Level	Limit	Line	Level	Factor	Loss	Factor	A/Pos	T/Pos	Remark	Pol/Phas
MHz	dBm/100MHz	dB	dBm/100MHz	dB	dB	dB	dB	dB	dB	deg	
1	2480.00	101.51	27.51	74.00	95.75	31.13	7.27	32.64	124	132	Peak HORIZONT

BT

2.4GHz 2400~2483.5MHz Band Edge @ 3m

ANT

BT CH78 2480MHz

2

Vertical

Fundamental

Peak

No. 1098, Pengji North Road, Kunshan
Economic & Technical Development
Zone, Jiangsu, China
tel: +86-512-57900158
fax: +86-512-57900958
http://www.sporton.co.uk.cn

Date: 10

Level (dBm/Hz)

Frequency (MHz)

FCC PART 15C (dBm)

Site Condition: 032004-KS
FCC PART 15C 3m 3117 SN 00218443 VERTICAL
888-1000, 000000, V08-1000, 000000, WBT-Auto
Project: (FR) 102106-01
Mode: 17
WEI: #12 EIF-BASE1
Plane: 2

Full-directivity		Over Limit		ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas
WZ	Level	Limit	Line	Level Factor	Loss Factor		cm	deg		
1	2491.48	84.03	-19.97	74.00	48.20	31.17	7.30	32.64	400	44 Peak VERTICAL

No. 1098, Pengji North Road, Kunshan
Economic & Technical Development
Zone, Jiangsu, China
tel: +86-512-57900158
fax: +86-512-57900958
http://www.sporton.co.uk.cn

Date: 9

Level (dBm/Hz)

Frequency (MHz)

FCC PART 15C (dBm)

Site Condition: 032004-KS
FCC PART 15C 3m 3117 SN 00218443 VERTICAL
888-1000, 000000, V08-1000, 000000, WBT-Auto
Project: (FR) 102106-01
Mode: 17
WEI: #12 EIF-BASE1
Plane: 2

Full-directivity		Over Limit		ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phas
WZ	Level	Limit	Line	Level Factor	Loss Factor		cm	deg		
1	2480.00	100.09	26.09	74.00	94.83	31.13	7.27	32.64	400	44 Peak VERTICAL

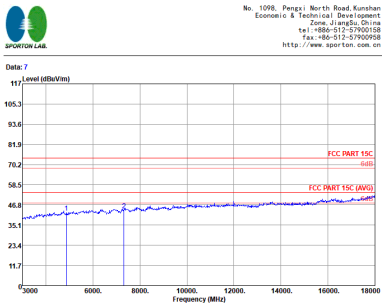
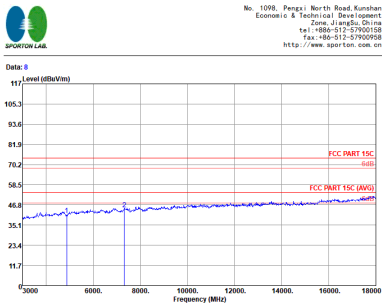
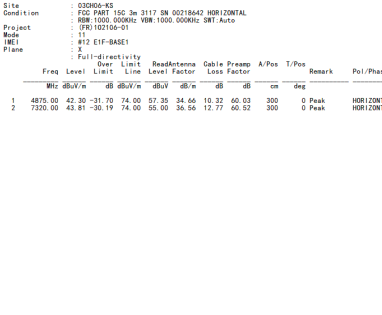
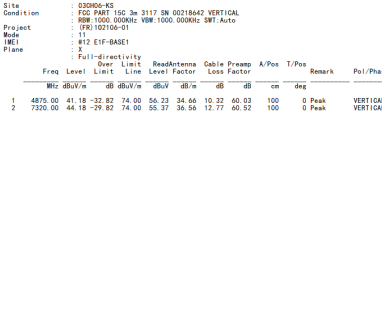


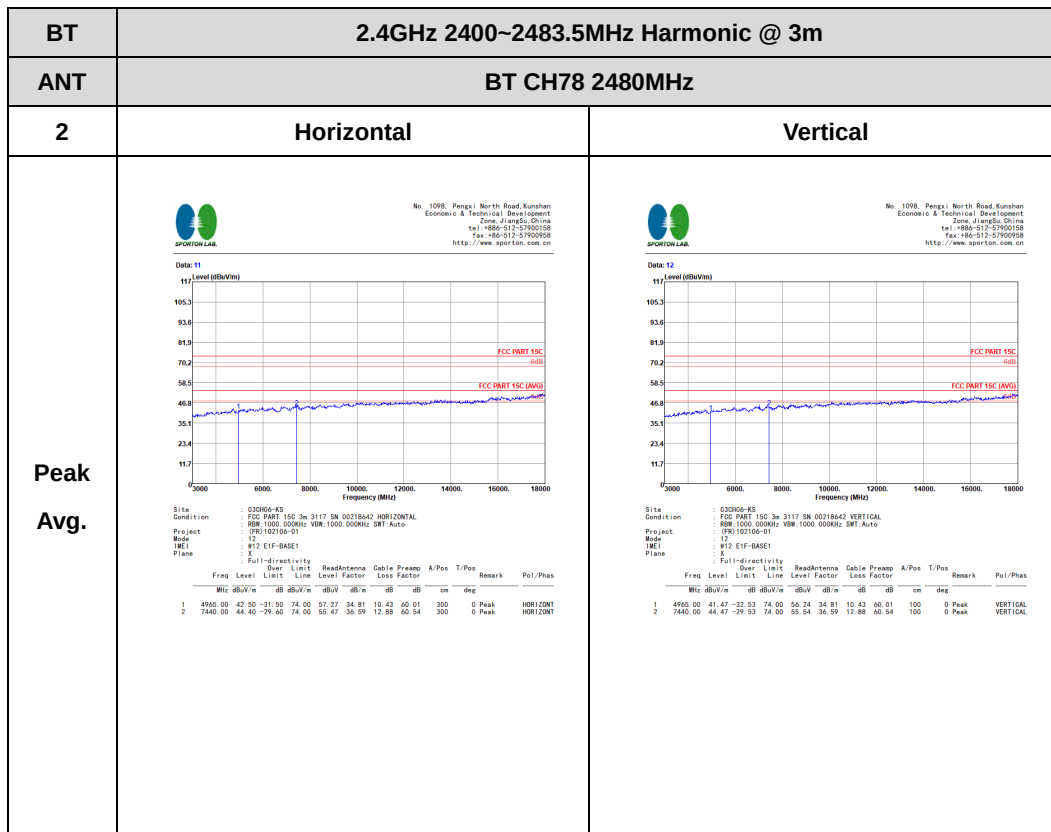
2.4GHz 2400~2483.5MHz

BT (Harmonic @ 3m)

BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH00 2402MHz	
2	Horizontal	Vertical
Peak Avg.	Site : 030904-K3 Condition : FCC PART 15C 3m 3117 SN 00318642 HORIZONTAL Project : RSM 1000, 0000Hz VSW 1000, 0000Hz SRT Auto Date : (FR)102106-01 Mode : 10 MEI : #12 EIF-BASE1 Plane : X Full-directivity : Over Limit : Level : Line : Level Factor : Loss Factor : A/Pos : T/Pos : Remark : Pol/Phas : 1 4800.00 41.77 -32.23 74.00 57.06 34.51 10.24 60.04 300 0 Peak HORIZONTAL	Site : 030904-K3 Condition : FCC PART 15C 3m 3117 SN 00318642 VERTICAL Project : RSM 1000, 0000Hz VSW 1000, 0000Hz SRT Auto Date : (FR)102106-01 Mode : 10 MEI : #12 EIF-BASE1 Plane : X Full-directivity : Over Limit : Level : Line : Level Factor : Loss Factor : A/Pos : T/Pos : Remark : Pol/Phas : 1 4800.00 40.52 -33.48 74.00 55.81 34.51 10.24 60.04 100 0 Peak VERTICAL
	Site : 030904-K3 Condition : FCC PART 15C 3m 3117 SN 00318642 HORIZONTAL Project : RSM 1000, 0000Hz VSW 1000, 0000Hz SRT Auto Date : (FR)102106-01 Mode : 10 MEI : #12 EIF-BASE1 Plane : X Full-directivity : Over Limit : Level : Line : Level Factor : Loss Factor : A/Pos : T/Pos : Remark : Pol/Phas : 1 4800.00 41.77 -32.23 74.00 57.06 34.51 10.24 60.04 300 0 Peak HORIZONTAL	Site : 030904-K3 Condition : FCC PART 15C 3m 3117 SN 00318642 VERTICAL Project : RSM 1000, 0000Hz VSW 1000, 0000Hz SRT Auto Date : (FR)102106-01 Mode : 10 MEI : #12 EIF-BASE1 Plane : X Full-directivity : Over Limit : Level : Line : Level Factor : Loss Factor : A/Pos : T/Pos : Remark : Pol/Phas : 1 4800.00 40.52 -33.48 74.00 55.81 34.51 10.24 60.04 100 0 Peak VERTICAL



BT	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	BT CH39 2441MHz	
2	Horizontal	Vertical
Peak Avg.	 Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SN 00218442 HORIZONTAL Project : RBW 1000.000kHz VBW 1000.000kHz SMT Auto Mode : E12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Loss Factor Loss Factor cm deg 1 4870.00 42.30 -31.70 74.00 57.35 34.66 10.32 60.03 300 0 Peak HORIZONTAL 2 7320.00 43.81 -30.19 74.00 55.00 36.56 12.77 60.52 300 0 Peak HORIZONTAL	 Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SN 00218442 VERTICAL Project : RBW 1000.000kHz VBW 1000.000kHz SMT Auto Mode : E12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Loss Factor Loss Factor cm deg 1 4870.00 41.18 -32.82 74.00 56.23 34.66 10.32 60.03 100 0 Peak VERTICAL 2 7320.00 44.16 -29.82 74.00 55.37 36.56 12.77 60.52 100 0 Peak VERTICAL
	 Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SN 00218442 HORIZONTAL Project : RBW 1000.000kHz VBW 1000.000kHz SMT Auto Mode : E12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Loss Factor Loss Factor cm deg 1 4870.00 42.30 -31.70 74.00 57.35 34.66 10.32 60.03 300 0 Peak HORIZONTAL 2 7320.00 43.81 -30.19 74.00 55.00 36.56 12.77 60.52 300 0 Peak HORIZONTAL	 Site : 030804-K5 Condition : FCC PART 15C 3m 3117 SN 00218442 VERTICAL Project : RBW 1000.000kHz VBW 1000.000kHz SMT Auto Mode : E12 E1F-BASE1 Plane : X Full-directivity Over Limit ReadAntenna Cable Preamp A/Pos T/Pos Loss Factor Loss Factor cm deg 1 4870.00 41.18 -32.82 74.00 56.23 34.66 10.32 60.03 100 0 Peak VERTICAL 2 7320.00 44.16 -29.82 74.00 55.37 36.56 12.77 60.52 100 0 Peak VERTICAL

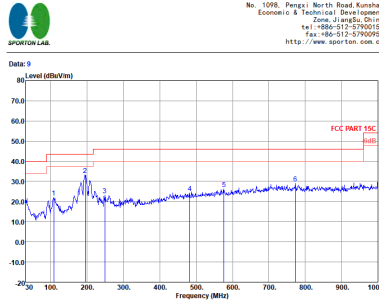
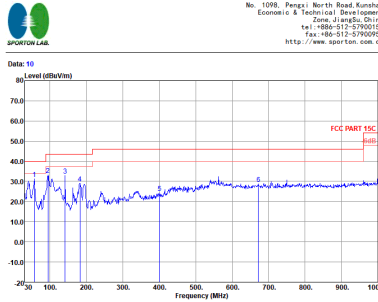


Note: Pre-scanned for 18GHz to 26GHz, there are no signals, thus only test data below 18GHz are shown in the report.



Emission below 1GHz

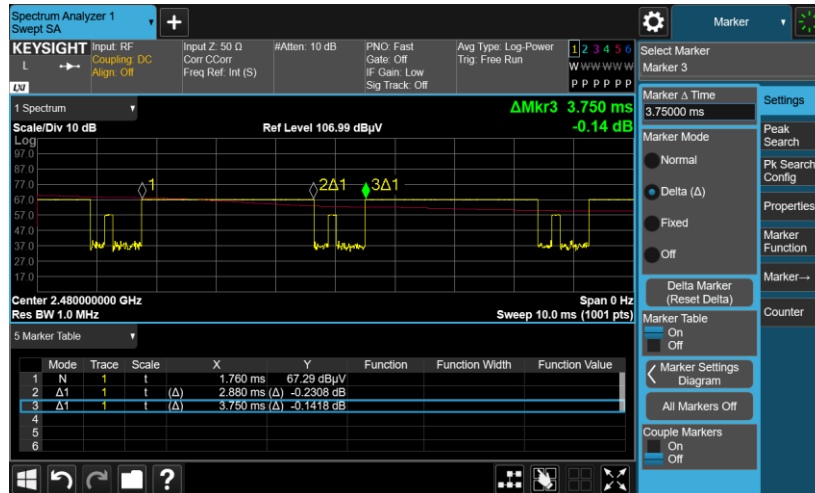
2.4GHz BT (LF)

BT	2.4GHz 2400~2483.5MHz																																																																																																																																																																																	
ANT	BT LF																																																																																																																																																																																	
1	Horizontal	Vertical																																																																																																																																																																																
QP / Peak	 Site : 030906-KS Condition : FCC PART 15C 3m CBLA1100N23188 HORIZONTAL Project : RSW 100.000MHz VSW 300.000MHz SRT Auto Mode : (FR)102106-01 ME1 : #12 E1F-BASE1 Plane : X <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pow</th><th>T/Pow</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>106.97</td><td>21.93</td><td>-31.97</td><td>43.50</td><td>34.74</td><td>17.26</td><td>1.70</td><td>31.77</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>2</td><td>194.90</td><td>33.39</td><td>-10.23</td><td>43.50</td><td>46.79</td><td>15.56</td><td>2.27</td><td>31.34</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>3</td><td>248.25</td><td>23.11</td><td>-22.89</td><td>46.00</td><td>33.47</td><td>18.66</td><td>2.54</td><td>31.36</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>4</td><td>482.02</td><td>24.42</td><td>-21.58</td><td>46.00</td><td>28.74</td><td>23.41</td><td>3.57</td><td>31.30</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>5</td><td>576.11</td><td>26.38</td><td>-19.77</td><td>46.00</td><td>28.68</td><td>25.14</td><td>3.91</td><td>31.45</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>6</td><td>773.02</td><td>28.89</td><td>-17.11</td><td>46.00</td><td>29.67</td><td>25.87</td><td>4.52</td><td>31.17</td><td>---</td><td>Peak HORIZONTAL</td></tr></table>		Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pow	T/Pow	Remark	Pol/Phas		MHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	cm	deg	1	106.97	21.93	-31.97	43.50	34.74	17.26	1.70	31.77	---	Peak HORIZONTAL	2	194.90	33.39	-10.23	43.50	46.79	15.56	2.27	31.34	---	Peak HORIZONTAL	3	248.25	23.11	-22.89	46.00	33.47	18.66	2.54	31.36	---	Peak HORIZONTAL	4	482.02	24.42	-21.58	46.00	28.74	23.41	3.57	31.30	---	Peak HORIZONTAL	5	576.11	26.38	-19.77	46.00	28.68	25.14	3.91	31.45	---	Peak HORIZONTAL	6	773.02	28.89	-17.11	46.00	29.67	25.87	4.52	31.17	---	Peak HORIZONTAL	 Site : 030906-KS Condition : FCC PART 15C 3m CBLA1100N23188 VERTICAL Project : RSW 100.000MHz VSW 300.000MHz SRT Auto Mode : (FR)102106-01 ME1 : #12 E1F-BASE1 Plane : X <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pow</th><th>T/Pow</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th></th><th>MHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>dBm/100kHz</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>57.16</td><td>31.28</td><td>-8.72</td><td>40.00</td><td>47.84</td><td>13.88</td><td>0.98</td><td>31.42</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>2</td><td>94.02</td><td>33.14</td><td>-10.36</td><td>43.50</td><td>46.89</td><td>16.84</td><td>1.64</td><td>31.93</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>3</td><td>141.55</td><td>33.02</td><td>-10.48</td><td>43.50</td><td>46.91</td><td>17.05</td><td>1.92</td><td>31.41</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>4</td><td>182.29</td><td>28.90</td><td>-14.52</td><td>43.50</td><td>41.41</td><td>16.72</td><td>2.18</td><td>31.33</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>5</td><td>400.54</td><td>24.25</td><td>-21.75</td><td>46.00</td><td>29.50</td><td>22.72</td><td>3.26</td><td>31.23</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>6</td><td>672.14</td><td>28.81</td><td>-17.19</td><td>46.00</td><td>30.02</td><td>25.81</td><td>4.22</td><td>31.24</td><td>---</td><td>Peak VERTICAL</td></tr></table>		Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pow	T/Pow	Remark	Pol/Phas		MHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	cm	deg	1	57.16	31.28	-8.72	40.00	47.84	13.88	0.98	31.42	---	Peak VERTICAL	2	94.02	33.14	-10.36	43.50	46.89	16.84	1.64	31.93	---	Peak VERTICAL	3	141.55	33.02	-10.48	43.50	46.91	17.05	1.92	31.41	---	Peak VERTICAL	4	182.29	28.90	-14.52	43.50	41.41	16.72	2.18	31.33	---	Peak VERTICAL	5	400.54	24.25	-21.75	46.00	29.50	22.72	3.26	31.23	---	Peak VERTICAL	6	672.14	28.81	-17.19	46.00	30.02	25.81	4.22	31.24	---	Peak VERTICAL
	Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pow	T/Pow	Remark	Pol/Phas																																																																																																																																																																								
	MHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	cm	deg																																																																																																																																																																								
1	106.97	21.93	-31.97	43.50	34.74	17.26	1.70	31.77	---	Peak HORIZONTAL																																																																																																																																																																								
2	194.90	33.39	-10.23	43.50	46.79	15.56	2.27	31.34	---	Peak HORIZONTAL																																																																																																																																																																								
3	248.25	23.11	-22.89	46.00	33.47	18.66	2.54	31.36	---	Peak HORIZONTAL																																																																																																																																																																								
4	482.02	24.42	-21.58	46.00	28.74	23.41	3.57	31.30	---	Peak HORIZONTAL																																																																																																																																																																								
5	576.11	26.38	-19.77	46.00	28.68	25.14	3.91	31.45	---	Peak HORIZONTAL																																																																																																																																																																								
6	773.02	28.89	-17.11	46.00	29.67	25.87	4.52	31.17	---	Peak HORIZONTAL																																																																																																																																																																								
	Freq	Level	Limit	ReadAntenna	Cable	Preamp	A/Pow	T/Pow	Remark	Pol/Phas																																																																																																																																																																								
	MHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	dBm/100kHz	cm	deg																																																																																																																																																																								
1	57.16	31.28	-8.72	40.00	47.84	13.88	0.98	31.42	---	Peak VERTICAL																																																																																																																																																																								
2	94.02	33.14	-10.36	43.50	46.89	16.84	1.64	31.93	---	Peak VERTICAL																																																																																																																																																																								
3	141.55	33.02	-10.48	43.50	46.91	17.05	1.92	31.41	---	Peak VERTICAL																																																																																																																																																																								
4	182.29	28.90	-14.52	43.50	41.41	16.72	2.18	31.33	---	Peak VERTICAL																																																																																																																																																																								
5	400.54	24.25	-21.75	46.00	29.50	22.72	3.26	31.23	---	Peak VERTICAL																																																																																																																																																																								
6	672.14	28.81	-17.19	46.00	30.02	25.81	4.22	31.24	---	Peak VERTICAL																																																																																																																																																																								

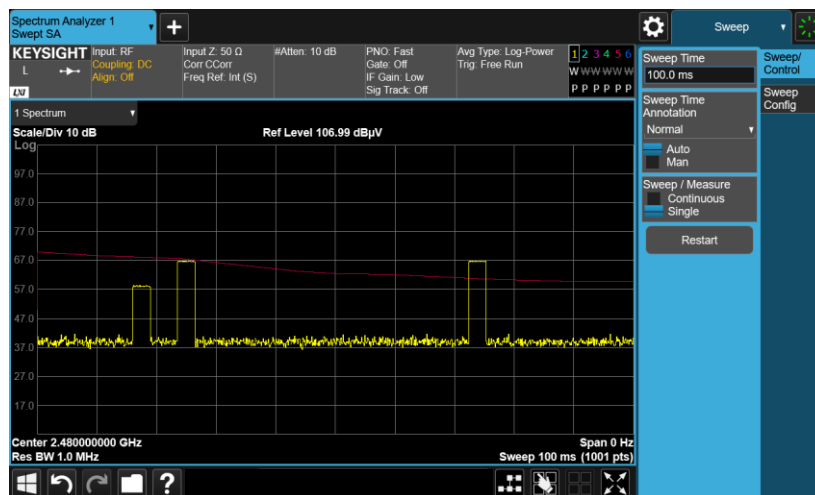


Appendix E. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 78



DH5 on time (Count Pulses) Plot on Channel 78



Note:

1. Worst case Duty cycle = on time/100 milliseconds = $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor = $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.