



BLE	2.4GHz 2400~2483.5MHz Band Edge @ 3m																																																																											
ANT	BLE CH39 2480MHZ																																																																											
-	Vertical	Fundamental																																																																										
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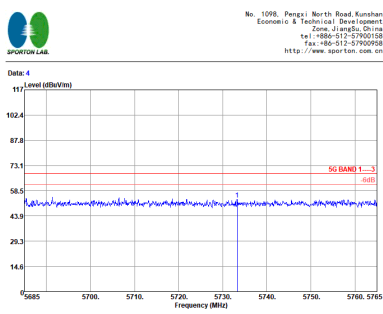
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WIFI 802.11ac VHT80 (Band Edge @ 3m)

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SISO	Horizontal	Fundamental
Peak	 <p>No. 1098, Pengzi North Road, Kunshan Economic & Technological Development Zone, Jiangsu China Tel: +86-512-57900108 Fax: +86-512-57900958 http://www.sporton.com.cn</p> <pre> Data: 4 Level (dBm/100Hz) 117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 0 5685 5700 5715 5730 5745 5760 5765 Frequency (MHz) Site : 03P006-KS Condition : SG BAND 1---3 @ 3117 SN 007186C3- HORIZONTAL Project : RRM 1000 000MHz VSR 3000 000MHz SRT :Auto Model : FREQ260819-01 Bands : 43 Plane : X Polarization : Full-directivity LA23MA IMEI : #15 8003080123303030 Power setting : IS Over Limit : ReadAntenna Cable Preamp A/Pos T/Pos Freq Level Limit Line Level Factor Loss Factor Remark Pol/Phase ----- 1 5733.32 53.46 -14.84 68.30 40.99 34.53 10.35 32.01 108 100 Peak HORIZONTAL </pre>	Left blank



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<p>Peak</p>	<p>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</p> <p>Site : 032606-KS Condition : SG BAND 1----3 In 3117 SN 00218662- VERTICAL Project : RBW:1000,000KHz VBR:3000,000KHz SRT:Auto FR260819-01 Mode : 43 Plane : X Full-directivity LA23NA #13 6002080122520049</p> <table border="1"> <thead> <tr> <th>IMEI</th> <th>Powersetting</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>IMEI</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Loss</th> </tr> <tr> <th>MHz</th> <th>dBV/m</th> <th>dB</th> <th>dBV/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5469.60</td> <td>56.07</td> <td>-12.93</td> <td>74.00</td> <td>43.24</td> <td>34.80</td> <td>10.02</td> <td>31.99</td> <td>233</td> <td>93 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>5468.55</td> <td>56.21</td> <td>-12.09</td> <td>68.30</td> <td>43.36</td> <td>34.80</td> <td>10.04</td> <td>31.99</td> <td>233</td> <td>93 Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	IMEI	Powersetting	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	IMEI	Level	Line	Level	Factor	Loss	Factor	Loss	Factor	Loss	MHz	dBV/m	dB	dBV/m	dB	dB	dB	dB	dB	deg	1	5469.60	56.07	-12.93	74.00	43.24	34.80	10.02	31.99	233	93 Peak	VERTICAL	2	5468.55	56.21	-12.09	68.30	43.36	34.80	10.04	31.99	233	93 Peak	VERTICAL	<p>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</p> <p>Site : 032606-KS Condition : SG BAND 1----3 In 3117 SN 00218662- VERTICAL Project : RBW:1000,000KHz VBR:3000,000KHz SRT:Auto FR260819-01 Mode : 43 Plane : X Full-directivity LA23NA #13 6002080122520049</p> <table border="1"> <thead> <tr> <th>IMEI</th> <th>Powersetting</th> <th>Over</th> <th>Limit</th> <th>ReadAntenna</th> <th>Cable Preamp</th> <th>A/Pos</th> <th>T/Pos</th> <th>Remark</th> <th>Pol/Phas</th> </tr> <tr> <th>IMEI</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th>Loss</th> </tr> <tr> <th>MHz</th> <th>dBV/m</th> <th>dB</th> <th>dBV/m</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>dB</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5536.00</td> <td>98.98</td> <td>30.68</td> <td>68.30</td> <td>86.14</td> <td>34.73</td> <td>10.15</td> <td>32.04</td> <td>233</td> <td>93 Peak</td> <td>VERTICAL</td> </tr> <tr> <td>2</td> <td>5536.00</td> <td>91.46</td> <td>-----</td> <td>78.62</td> <td>34.73</td> <td>10.15</td> <td>32.04</td> <td>233</td> <td>93 Average</td> <td>VERTICAL</td> </tr> </tbody> </table>	IMEI	Powersetting	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	IMEI	Level	Line	Level	Factor	Loss	Factor	Loss	Factor	Loss	MHz	dBV/m	dB	dBV/m	dB	dB	dB	dB	dB	deg	1	5536.00	98.98	30.68	68.30	86.14	34.73	10.15	32.04	233	93 Peak	VERTICAL	2	5536.00	91.46	-----	78.62	34.73	10.15	32.04	233	93 Average	VERTICAL
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WIFI	UNII-2C 5470~5725MHz Band Edge @ 3m																																					
ANT	802.11ac VHT80 CH106 5530MHz - R																																					
SISO	Vertical	Fundamental																																				
Peak	<p>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</p> <p>Site : 03P06-KS Condition : SG BAND 1----3 3m 3117 SN 00218463- VERTICAL Power : RRM 1000.000MHz VSW 3000.000kHz SMT Auto Project : FCC260819-01 Bode : 43 Plane : X Antenna : Full-directivity LA23MA #13 8002080123303000</p> <table border="1"> <thead> <tr> <th>IMEI</th> <th>PowerSetting</th> <th>IS</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/Phase</th> </tr> <tr> <th>Freq</th> <th>Level</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th>Factor</th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5754.28</td> <td>53.89</td> <td>-14.41</td> <td>68.30</td> <td>40.96</td> <td>34.57</td> <td>10.37</td> <td>32.01</td> <td>233</td> <td>93 Peak</td> <td>VERTICAL</td> </tr> </tbody> </table>	IMEI	PowerSetting	IS	Over	Limit	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark	Pol/Phase	Freq	Level	Line	Level	Factor	Loss	Factor						1	5754.28	53.89	-14.41	68.30	40.96	34.57	10.37	32.01	233	93 Peak	VERTICAL	Left blank
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WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
SISO	Horizontal	Vertical
Peak Avg.		

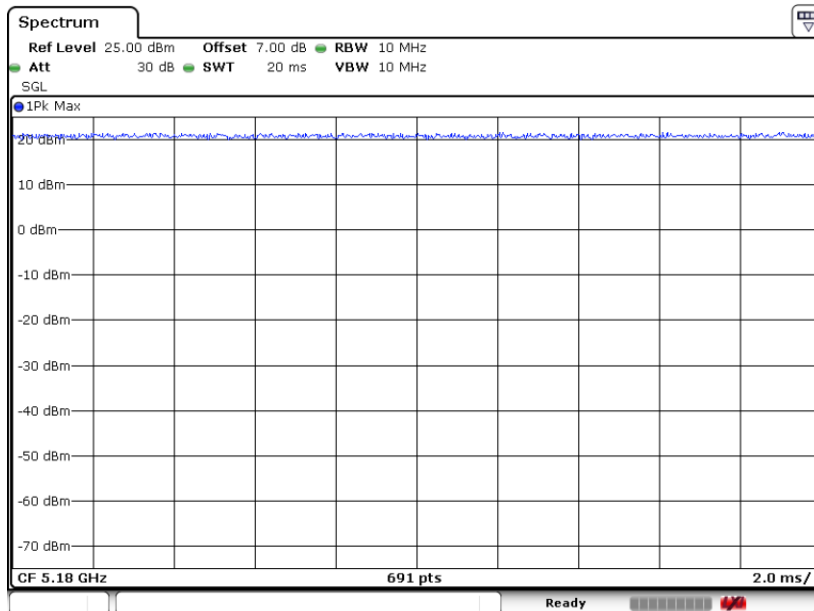
Note: Pre-scanned for 18GHz to 26GHz, there are no signals, thus only test data below 18GHz are shown in the report.



Appendix E. Duty Cycle Plots

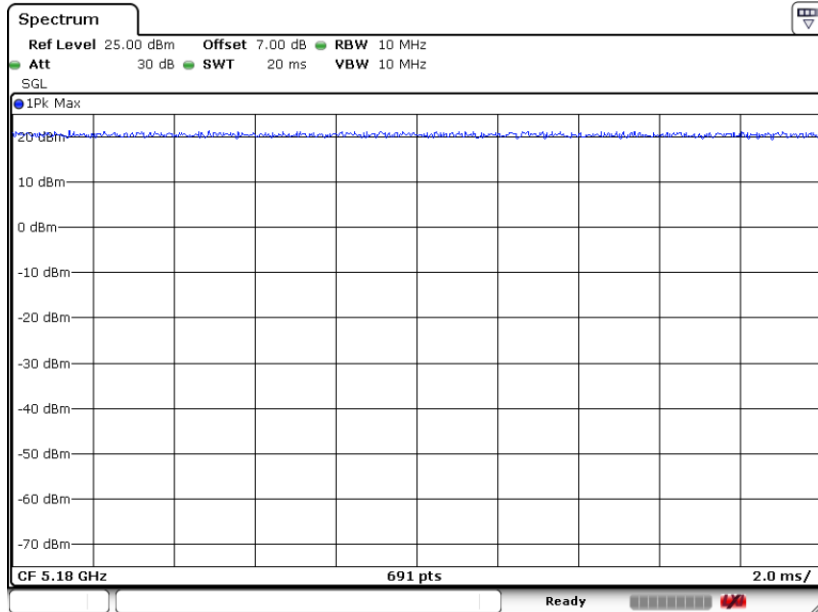
Band	Duty Cycle(%)	Duty Factor(dB)	T(ms)	1/T(KHz)	VBW Setting
802.11a	100	0	-	-	10Hz
802.11ac VHT20	100	0	-	-	10Hz
802.11ac VHT40	100	0	-	-	10Hz
802.11ac VHT80	100	0	-	-	10Hz

802.11a

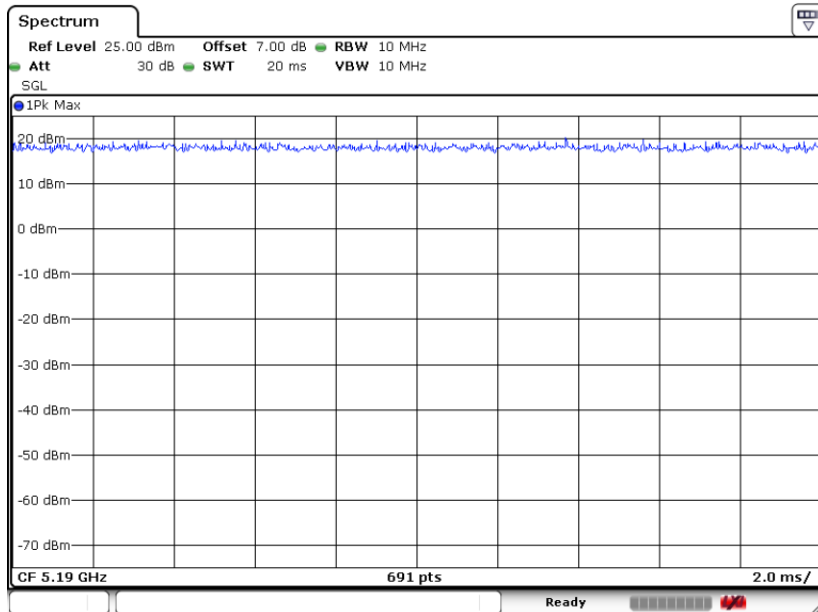




802.11ac VHT20



802.11ac VHT40





802.11ac VHT80

