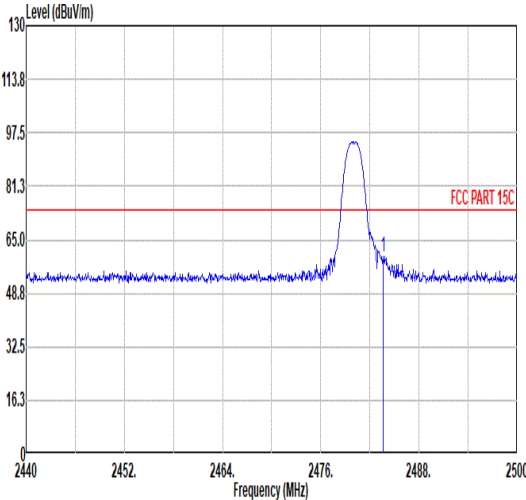
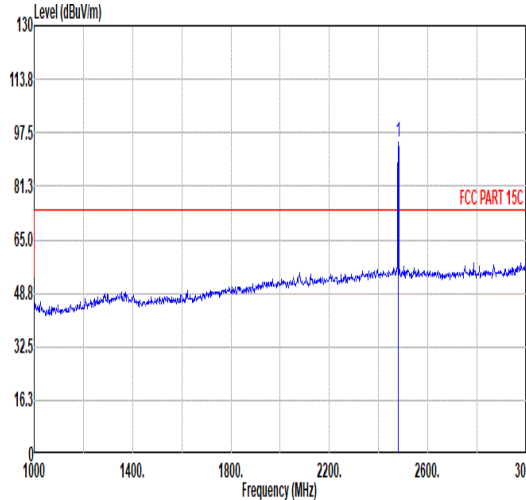
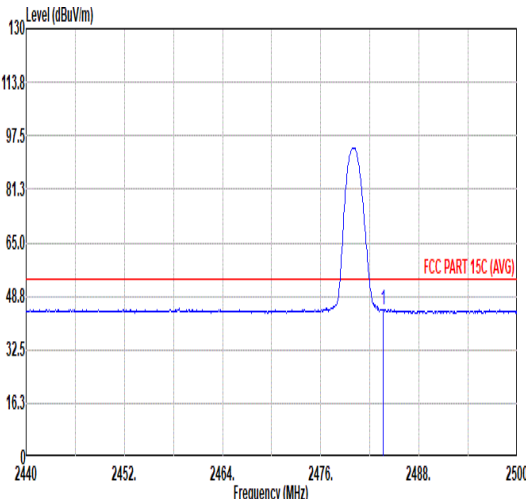
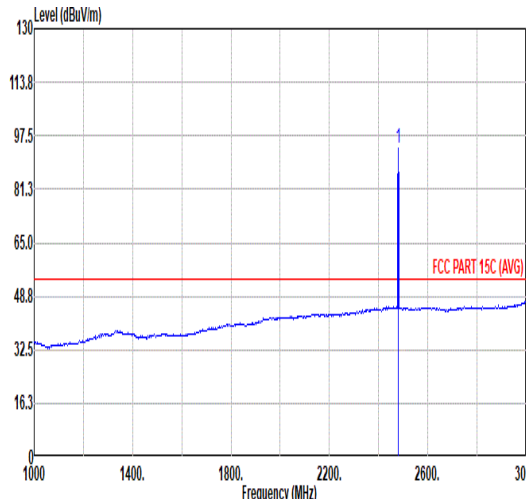
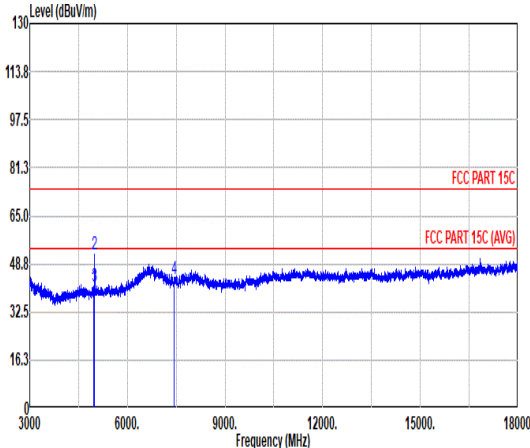
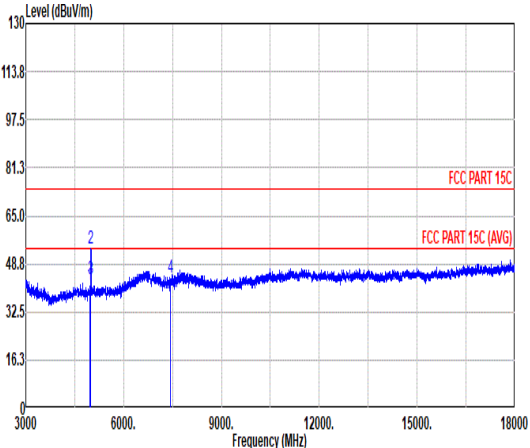




Mode	27																																																					
	Band Edge																																																					
	2400-2483.5_NRF_CH39_2480MHz																																																					
ANT	3																																																					
Pol.	Vertical						Fundamental																																															
Peak																																																						
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.62</td><td>60.09</td><td>74.00</td><td>-13.91</td><td>43.78</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>100</td><td>79 PEAK</td></tr></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2483.62	60.09	74.00	-13.91	43.78	32.40	8.88	30.97	6.00	100
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																												
1	2483.62	60.09	74.00	-13.91	43.78	32.40	8.88	30.97	6.00	100	79 PEAK																																											
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	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																												
1	2480.00	94.74	-----	-----	78.43	32.40	8.88	30.97	6.00	100	79 PEAK																																											
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	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.62</td><td>44.76</td><td>54.00</td><td>-9.24</td><td>28.45</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>100</td><td>79 AVERAGE</td></tr></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2483.62	44.76	54.00	-9.24	28.45	32.40	8.88	30.97	6.00	100
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																												
1	2483.62	44.76	54.00	-9.24	28.45	32.40	8.88	30.97	6.00	100	79 AVERAGE																																											
Avg																																																						
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>93.81</td><td>-----</td><td>-----</td><td>77.50</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>100</td><td>79 AVERAGE</td></tr></table>													Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	93.81	-----	-----	77.50	32.40	8.88	30.97	6.00	100
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																														
Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																												
1	2480.00	93.81	-----	-----	77.50	32.40	8.88	30.97	6.00	100	79 AVERAGE																																											

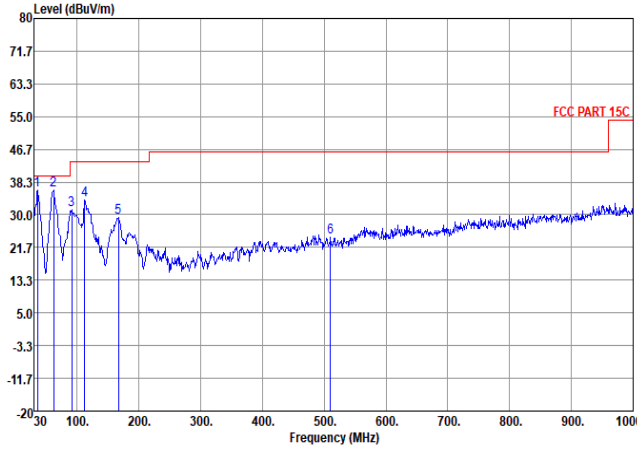
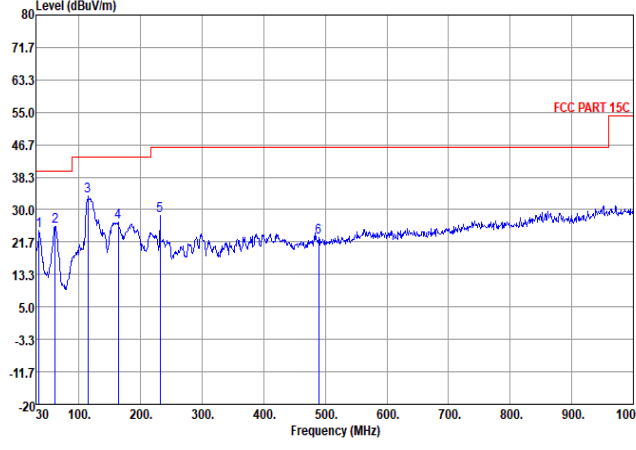


Mode	27																																																																																																																																																																																
	Harmonic																																																																																																																																																																																
	2400-2483.5_NRF_CH39_2480MHz																																																																																																																																																																																
ANT	3																																																																																																																																																																																
Pol.	Horizontal						Vertical																																																																																																																																																																										
Peak Avg																																																																																																																																																																																	
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4960.00</td><td>40.56</td><td>74.00</td><td>-33.44</td><td>59.65</td><td>34.24</td><td>12.07</td><td>65.40</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>4983.00</td><td>52.10</td><td>74.00</td><td>-21.90</td><td>71.14</td><td>34.10</td><td>12.22</td><td>65.36</td><td>0.00</td><td>100</td><td>305</td><td>PEAK</td></tr><tr><td>3</td><td>4983.00</td><td>41.16</td><td>54.00</td><td>-12.84</td><td>60.20</td><td>34.10</td><td>12.22</td><td>65.36</td><td>0.00</td><td>100</td><td>305</td><td>AVERAGE</td></tr><tr><td>4</td><td>7440.00</td><td>43.87</td><td>74.00</td><td>-30.13</td><td>58.05</td><td>35.80</td><td>15.21</td><td>65.19</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4960.00	40.56	74.00	-33.44	59.65	34.24	12.07	65.40	0.00	--	--	PEAK	2	4983.00	52.10	74.00	-21.90	71.14	34.10	12.22	65.36	0.00	100	305	PEAK	3	4983.00	41.16	54.00	-12.84	60.20	34.10	12.22	65.36	0.00	100	305	AVERAGE	4	7440.00	43.87	74.00	-30.13	58.05	35.80	15.21	65.19	0.00	--	--	PEAK	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4960.00</td><td>41.82</td><td>74.00</td><td>-32.18</td><td>60.91</td><td>34.24</td><td>12.07</td><td>65.40</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr><tr><td>2</td><td>4999.00</td><td>53.91</td><td>74.00</td><td>-20.09</td><td>72.91</td><td>34.01</td><td>12.32</td><td>65.33</td><td>0.00</td><td>100</td><td>307</td><td>PEAK</td></tr><tr><td>3</td><td>4999.00</td><td>43.49</td><td>54.00</td><td>-10.51</td><td>62.49</td><td>34.01</td><td>12.32</td><td>65.33</td><td>0.00</td><td>100</td><td>307</td><td>AVERAGE</td></tr><tr><td>4</td><td>7440.00</td><td>44.21</td><td>74.00</td><td>-29.79</td><td>58.39</td><td>35.80</td><td>15.21</td><td>65.19</td><td>0.00</td><td>--</td><td>--</td><td>PEAK</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4960.00	41.82	74.00	-32.18	60.91	34.24	12.07	65.40	0.00	--	--	PEAK	2	4999.00	53.91	74.00	-20.09	72.91	34.01	12.32	65.33	0.00	100	307	PEAK	3	4999.00	43.49	54.00	-10.51	62.49	34.01	12.32	65.33	0.00	100	307	AVERAGE	4	7440.00	44.21	74.00	-29.79	58.39	35.80	15.21	65.19	0.00	--	--
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																																																								
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor																																																																																																																																																																									
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																																																																							
1	4960.00	40.56	74.00	-33.44	59.65	34.24	12.07	65.40	0.00	--	--	PEAK																																																																																																																																																																					
2	4983.00	52.10	74.00	-21.90	71.14	34.10	12.22	65.36	0.00	100	305	PEAK																																																																																																																																																																					
3	4983.00	41.16	54.00	-12.84	60.20	34.10	12.22	65.36	0.00	100	305	AVERAGE																																																																																																																																																																					
4	7440.00	43.87	74.00	-30.13	58.05	35.80	15.21	65.19	0.00	--	--	PEAK																																																																																																																																																																					
	Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																																																								
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1	4960.00	41.82	74.00	-32.18	60.91	34.24	12.07	65.40	0.00	--	--	PEAK																																																																																																																																																																					
2	4999.00	53.91	74.00	-20.09	72.91	34.01	12.32	65.33	0.00	100	307	PEAK																																																																																																																																																																					
3	4999.00	43.49	54.00	-10.51	62.49	34.01	12.32	65.33	0.00	100	307	AVERAGE																																																																																																																																																																					
4	7440.00	44.21	74.00	-29.79	58.39	35.80	15.21	65.19	0.00	--	--	PEAK																																																																																																																																																																					



Mode	24	
	18~25GHz	
	2400-2483.5_BLE 2M_CH39_2480MHz	
ANT	3	
Peak Avg		

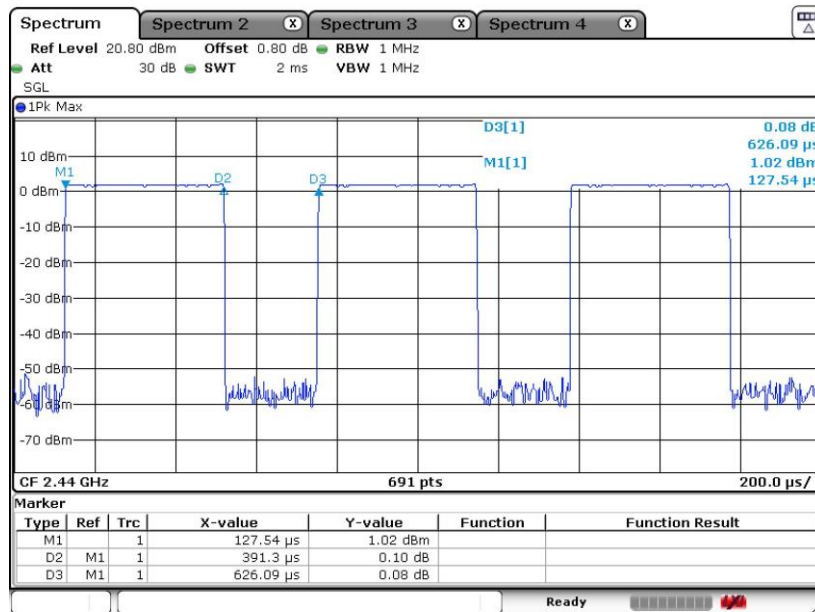


Mode	24																																																																																																								
	LF																																																																																																								
	2400-2483.5_BLE 2M_CH39_2480MHz																																																																																																								
ANT	3																																																																																																								
Pol.	Horizontal																																																																																																								
Peak QP																																																																																																									
	<table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>35.82</td><td>36.15</td><td>40.00</td><td>-3.85</td><td>46.83</td><td>21.28</td><td>0.76</td><td>32.72</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>62.01</td><td>36.23</td><td>40.00</td><td>-3.77</td><td>55.95</td><td>12.20</td><td>1.18</td><td>33.10</td><td>100</td><td>25</td><td>Peak</td></tr><tr><td>3</td><td>91.11</td><td>31.29</td><td>43.50</td><td>-12.21</td><td>47.44</td><td>15.02</td><td>1.45</td><td>32.62</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>112.45</td><td>33.81</td><td>43.50</td><td>-9.69</td><td>48.69</td><td>16.40</td><td>1.60</td><td>32.88</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>166.77</td><td>29.39</td><td>43.50</td><td>-14.11</td><td>43.75</td><td>16.57</td><td>1.97</td><td>32.90</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>510.15</td><td>24.24</td><td>46.00</td><td>-21.76</td><td>29.21</td><td>24.34</td><td>3.45</td><td>32.76</td><td>---</td><td>---</td><td>Peak</td></tr></table>												Freq	Level	Limit	Over	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	35.82	36.15	40.00	-3.85	46.83	21.28	0.76	32.72	---	---	Peak	2	62.01	36.23	40.00	-3.77	55.95	12.20	1.18	33.10	100	25	Peak	3	91.11	31.29	43.50	-12.21	47.44	15.02	1.45	32.62	---	---	Peak	4	112.45	33.81	43.50	-9.69	48.69	16.40	1.60	32.88	---	---	Peak	5	166.77	29.39	43.50	-14.11	43.75	16.57	1.97	32.90	---	---	Peak	6	510.15	24.24	46.00	-21.76	29.21	24.34	3.45	32.76	---	---	Peak
		Freq	Level	Limit	Over	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																														
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																														
	1	35.82	36.15	40.00	-3.85	46.83	21.28	0.76	32.72	---	---	Peak																																																																																													
	2	62.01	36.23	40.00	-3.77	55.95	12.20	1.18	33.10	100	25	Peak																																																																																													
	3	91.11	31.29	43.50	-12.21	47.44	15.02	1.45	32.62	---	---	Peak																																																																																													
	4	112.45	33.81	43.50	-9.69	48.69	16.40	1.60	32.88	---	---	Peak																																																																																													
5	166.77	29.39	43.50	-14.11	43.75	16.57	1.97	32.90	---	---	Peak																																																																																														
6	510.15	24.24	46.00	-21.76	29.21	24.34	3.45	32.76	---	---	Peak																																																																																														
																																																																																																									
<table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>34.85</td><td>24.58</td><td>40.00</td><td>-15.42</td><td>35.17</td><td>21.70</td><td>0.71</td><td>33.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>61.04</td><td>25.67</td><td>40.00</td><td>-14.33</td><td>45.36</td><td>12.20</td><td>1.17</td><td>33.06</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>114.39</td><td>33.58</td><td>43.50</td><td>-9.92</td><td>48.59</td><td>16.44</td><td>1.62</td><td>33.07</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>163.86</td><td>26.88</td><td>43.50</td><td>-16.62</td><td>41.20</td><td>16.70</td><td>1.95</td><td>32.97</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>231.76</td><td>28.58</td><td>46.00</td><td>-17.42</td><td>41.78</td><td>17.32</td><td>2.32</td><td>32.84</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>488.81</td><td>22.95</td><td>46.00</td><td>-23.05</td><td>28.13</td><td>23.87</td><td>3.38</td><td>32.43</td><td>---</td><td>---</td><td>Peak</td></tr></table>												Freq	Level	Limit	Over	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	34.85	24.58	40.00	-15.42	35.17	21.70	0.71	33.00	---	---	Peak	2	61.04	25.67	40.00	-14.33	45.36	12.20	1.17	33.06	---	---	Peak	3	114.39	33.58	43.50	-9.92	48.59	16.44	1.62	33.07	---	---	Peak	4	163.86	26.88	43.50	-16.62	41.20	16.70	1.95	32.97	---	---	Peak	5	231.76	28.58	46.00	-17.42	41.78	17.32	2.32	32.84	---	---	Peak	6	488.81	22.95	46.00	-23.05	28.13	23.87	3.38	32.43	---	---	Peak	
	Freq	Level	Limit	Over	ReadAntenna	Cable	Preamp	A/Pos	T/Pos	Remark																																																																																															
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																															
1	34.85	24.58	40.00	-15.42	35.17	21.70	0.71	33.00	---	---	Peak																																																																																														
2	61.04	25.67	40.00	-14.33	45.36	12.20	1.17	33.06	---	---	Peak																																																																																														
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4	163.86	26.88	43.50	-16.62	41.20	16.70	1.95	32.97	---	---	Peak																																																																																														
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Appendix D. Duty Cycle Plots

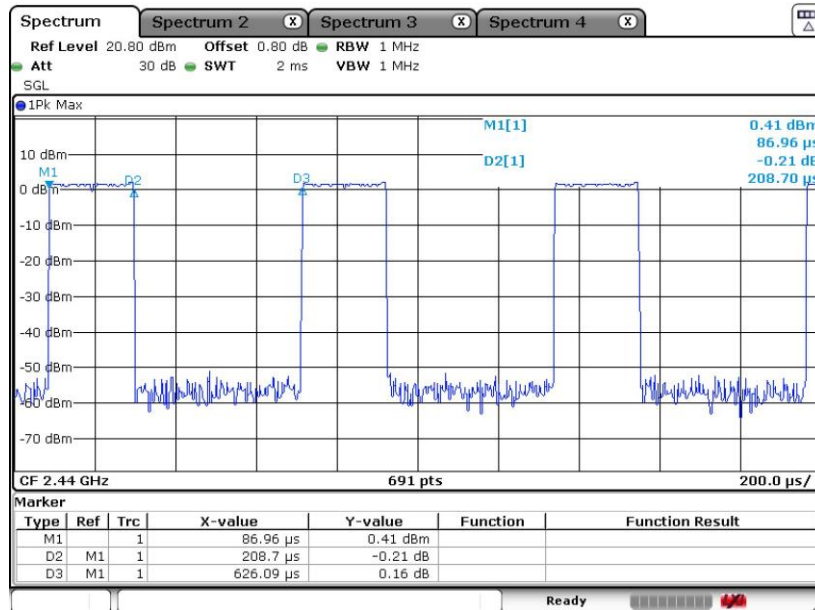
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
BLE 1Mbps	62.50	0.391	2.556	2.7kHz
BLE 2Mbps	33.33	0.209	4.792	5.1kHz
nRF	62.96	0.394	2.537	2.7kHz

BLE 1Mbps_Ant.3





BLE 2Mbps_Ant.3



nRF_Ant.3

