

Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Jerry Xu	Relative Humidity :	41 ~ 42%
		Temperature :	22 ~ 23°C

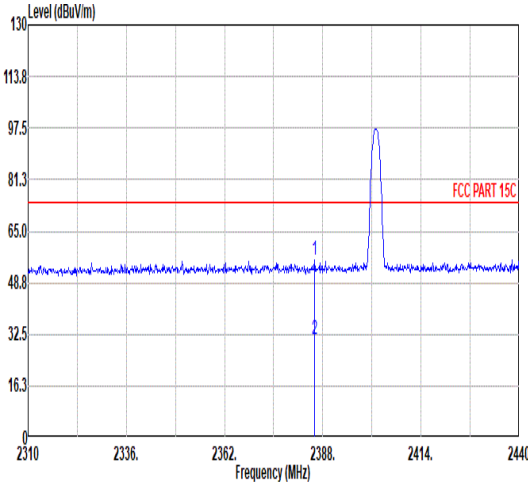
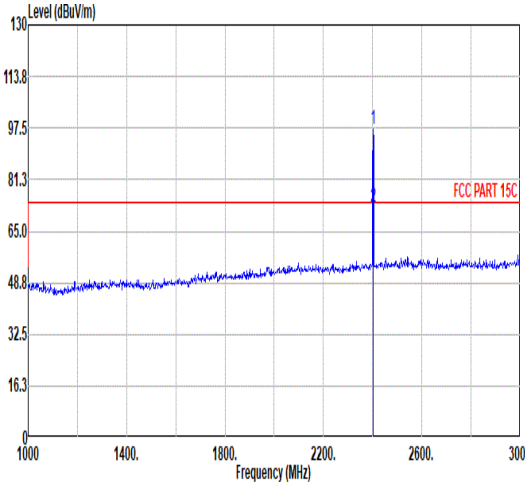
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	2	Bluetooth BR_GFSK	0	2402	1Mbps	-	-
Mode 2	2400-2483.5	2	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	2	Bluetooth BR_GFSK	78	2480	1Mbps	-	-

Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth BR_GFSK	0	2385.92	55.77	74.00	-18.23	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	0	4804.00	40.25	74.00	-33.75	V	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
	Bluetooth BR_GFSK	39	7323.00	41.06	74.00	-32.94	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2496.99	56.24	74.00	-17.76	V	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	78	7440.00	42.57	74.00	-31.43	H	PEAK	Pass	Harmonic

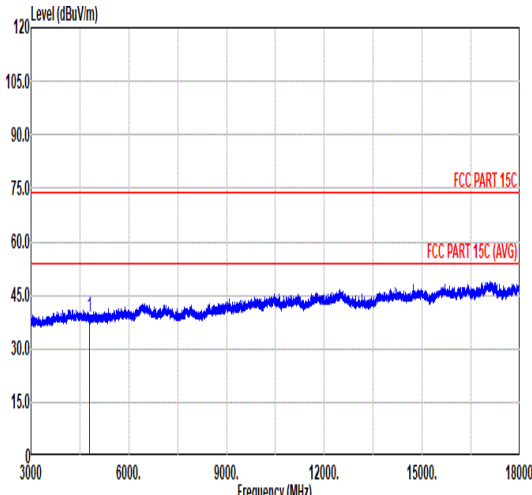
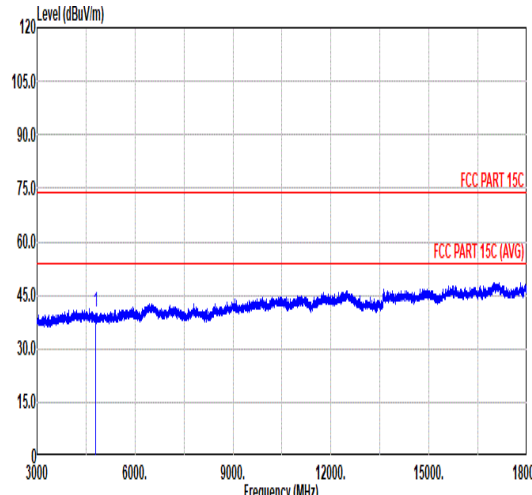


Mode	1																																																																			
	Band Edge																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH0_2402MHz																																																																			
ANT	2																																																																			
Pol.	Horizontal																																																																			
Peak																																																																				
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>2385.92</td><td>55.77</td><td>74.00</td><td>-18.23</td><td>43.18</td><td>32.24</td><td>6.68</td><td>32.33</td><td>6.00</td><td>113</td><td>8 PEAK</td></tr><tr><td>2</td><td>2385.92</td><td>30.98</td><td>54.00</td><td>-23.02</td><td>18.39</td><td>32.24</td><td>6.68</td><td>32.33</td><td>6.00</td><td>113</td><td>8 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2385.92	55.77	74.00	-18.23	43.18	32.24	6.68	32.33	6.00	113	8 PEAK	2	2385.92	30.98	54.00	-23.02	18.39	32.24	6.68	32.33	6.00	113	8 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																										
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																										
1	2385.92	55.77	74.00	-18.23	43.18	32.24	6.68	32.33	6.00	113	8 PEAK																																																									
2	2385.92	30.98	54.00	-23.02	18.39	32.24	6.68	32.33	6.00	113	8 AVERAGE																																																									
Fundamental																																																																				
																																																																				
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>2402.00</td><td>97.25</td><td>-----</td><td>-----</td><td>84.57</td><td>32.31</td><td>6.70</td><td>32.33</td><td>6.00</td><td>113</td><td>8 PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>72.46</td><td>-----</td><td>-----</td><td>59.78</td><td>32.31</td><td>6.70</td><td>32.33</td><td>6.00</td><td>113</td><td>8 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2402.00	97.25	-----	-----	84.57	32.31	6.70	32.33	6.00	113	8 PEAK	2	2402.00	72.46	-----	-----	59.78	32.31	6.70	32.33	6.00	113	8 AVERAGE
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																											
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																										
1	2402.00	97.25	-----	-----	84.57	32.31	6.70	32.33	6.00	113	8 PEAK																																																									
2	2402.00	72.46	-----	-----	59.78	32.31	6.70	32.33	6.00	113	8 AVERAGE																																																									

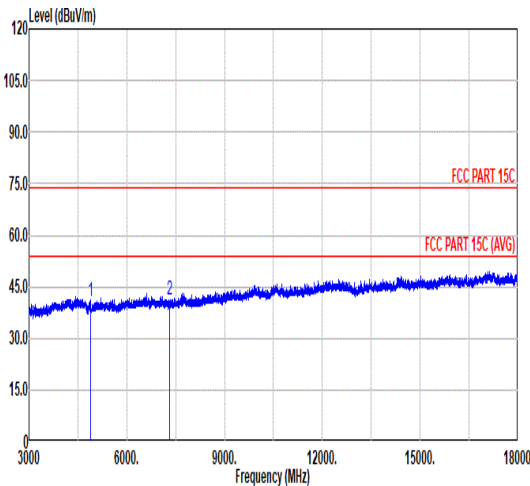
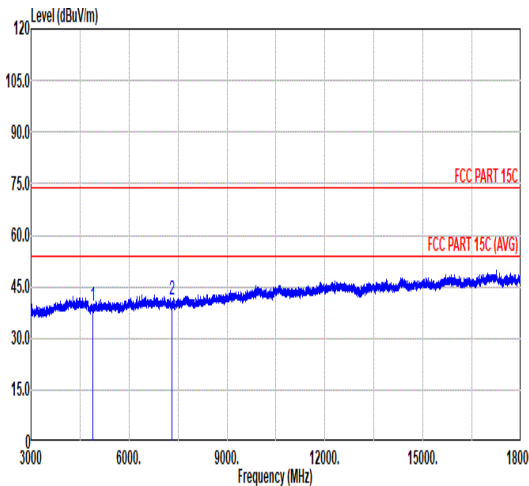


Mode	1																																																																																																																												
	Band Edge																																																																																																																												
	2400-2483.5_Bluetooth BR_GFSK_CH0_2402MHz																																																																																																																												
ANT	2																																																																																																																												
Pol.	Vertical						Fundamental																																																																																																																						
Peak																																																																																																																													
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>2389.56</td><td>55.63</td><td>74.00</td><td>-18.37</td><td>43.01</td><td>32.26</td><td>6.69</td><td>32.33</td><td>6.00</td><td>102</td><td>338 PEAK</td></tr><tr><td>2</td><td>2389.56</td><td>30.84</td><td>54.00</td><td>-23.16</td><td>18.22</td><td>32.26</td><td>6.69</td><td>32.33</td><td>6.00</td><td>102</td><td>338 AVERAGE</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2389.56	55.63	74.00	-18.37	43.01	32.26	6.69	32.33	6.00	102	338 PEAK	2	2389.56	30.84	54.00	-23.16	18.22	32.26	6.69	32.33	6.00	102	338 AVERAGE	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>2402.00</td><td>97.35</td><td>-----</td><td>-----</td><td>84.67</td><td>32.31</td><td>6.70</td><td>32.33</td><td>6.00</td><td>102</td><td>338 PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>72.56</td><td>-----</td><td>-----</td><td>59.88</td><td>32.31</td><td>6.70</td><td>32.33</td><td>6.00</td><td>102</td><td>338 AVERAGE</td></tr></table>						Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2402.00	97.35	-----	-----	84.67	32.31	6.70	32.33	6.00	102	338 PEAK	2	2402.00	72.56	-----	-----	59.88	32.31	6.70	32.33	6.00	102	338 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																			
	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																		
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																			
1	2389.56	55.63	74.00	-18.37	43.01	32.26	6.69	32.33	6.00	102	338 PEAK																																																																																																																		
2	2389.56	30.84	54.00	-23.16	18.22	32.26	6.69	32.33	6.00	102	338 AVERAGE																																																																																																																		
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																				
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																			
1	2402.00	97.35	-----	-----	84.67	32.31	6.70	32.33	6.00	102	338 PEAK																																																																																																																		
2	2402.00	72.56	-----	-----	59.88	32.31	6.70	32.33	6.00	102	338 AVERAGE																																																																																																																		

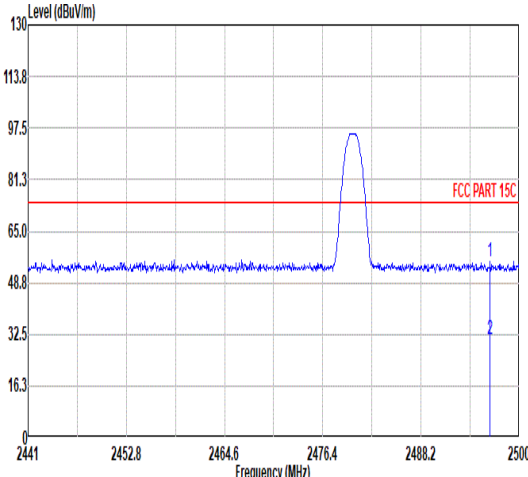
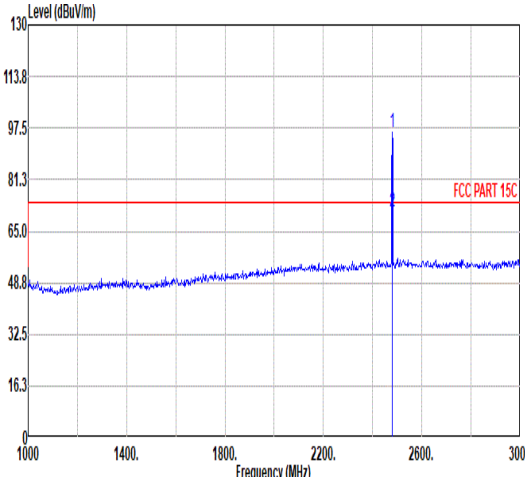


Mode	1																																																																																																			
	Harmonic																																																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH0_2402MHz																																																																																																			
ANT	2																																																																																																			
Pol.	Horizontal						Vertical																																																																																													
Peak Avg																																																																																																				
	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>4804.00</td><td>39.16</td><td>74.00</td><td>-34.84</td><td>61.60</td><td>34.10</td><td>9.62</td><td>66.16</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	4804.00	39.16	74.00	-34.84	61.60	34.10	9.62	66.16	0.00	---	---	PEAK	<table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>4804.00</td><td>40.25</td><td>74.00</td><td>-33.75</td><td>62.69</td><td>34.10</td><td>9.62</td><td>66.16</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>							Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	4804.00	40.25	74.00	-33.75	62.69	34.10	9.62	66.16	0.00	---	---	PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																										
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark																																																																																											
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																										
1	4804.00	39.16	74.00	-34.84	61.60	34.10	9.62	66.16	0.00	---	---	PEAK																																																																																								
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																											
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark																																																																																											
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																										
1	4804.00	40.25	74.00	-33.75	62.69	34.10	9.62	66.16	0.00	---	---	PEAK																																																																																								

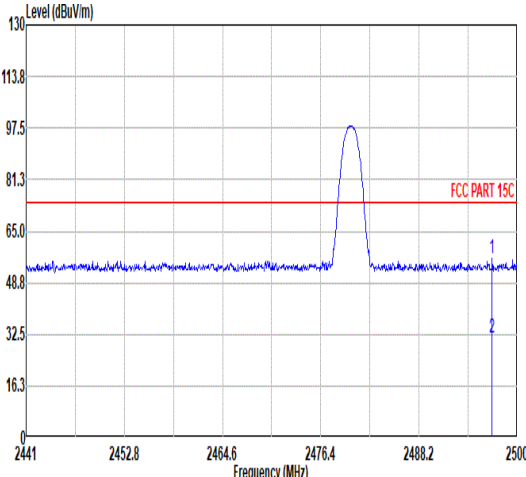


Mode	2																																																																																																																										
	Harmonic																																																																																																																										
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz																																																																																																																										
ANT	2																																																																																																																										
Pol.	Horizontal											Vertical																																																																																																															
Peak Avg																																																																																																																											
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</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>4882.00</td><td>40.67</td><td>74.00</td><td>-33.33</td><td>63.06</td><td>34.10</td><td>9.69</td><td>66.18</td><td>0.00</td><td>--- PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>41.06</td><td>74.00</td><td>-32.94</td><td>60.15</td><td>35.65</td><td>11.95</td><td>66.69</td><td>0.00</td><td>--- PEAK</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4882.00	40.67	74.00	-33.33	63.06	34.10	9.69	66.18	0.00	--- PEAK	2	7323.00	41.06	74.00	-32.94	60.15	35.65	11.95	66.69	0.00	--- PEAK	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th>Remark</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>4882.00</td><td>39.31</td><td>74.00</td><td>-34.69</td><td>61.70</td><td>34.10</td><td>9.69</td><td>66.18</td><td>0.00</td><td>--- PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>41.04</td><td>74.00</td><td>-32.96</td><td>60.13</td><td>35.65</td><td>11.95</td><td>66.69</td><td>0.00</td><td>--- PEAK</td></tr></table>			Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4882.00	39.31	74.00	-34.69	61.70	34.10	9.69	66.18	0.00	--- PEAK	2	7323.00	41.04	74.00	-32.96	60.13	35.65	11.95	66.69	0.00	--- PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																	
	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																	
1	4882.00	40.67	74.00	-33.33	63.06	34.10	9.69	66.18	0.00	--- PEAK																																																																																																																	
2	7323.00	41.06	74.00	-32.94	60.15	35.65	11.95	66.69	0.00	--- PEAK																																																																																																																	
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																		
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																																																																																	
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																	
1	4882.00	39.31	74.00	-34.69	61.70	34.10	9.69	66.18	0.00	--- PEAK																																																																																																																	
2	7323.00	41.04	74.00	-32.96	60.13	35.65	11.95	66.69	0.00	--- PEAK																																																																																																																	

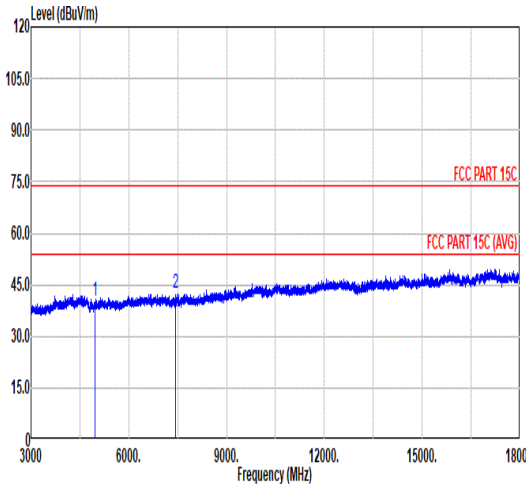
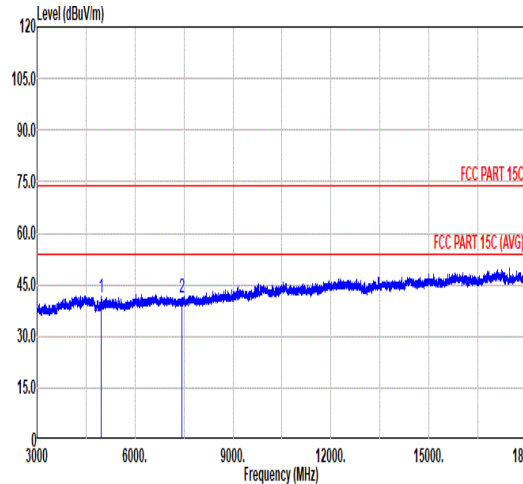


Mode	3																																																																																																																											
	Band Edge																																																																																																																											
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																											
ANT	2																																																																																																																											
Pol.	Horizontal					Fundamental																																																																																																																						
Peak	 <table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>2496.52</td><td>55.60</td><td>74.00</td><td>-18.40</td><td>42.59</td><td>32.50</td><td>6.84</td><td>32.33</td><td>6.00</td><td>100</td><td>334</td><td>PEAK</td></tr><tr><td>2</td><td>2496.52</td><td>30.81</td><td>54.00</td><td>-23.19</td><td>17.80</td><td>32.50</td><td>6.84</td><td>32.33</td><td>6.00</td><td>100</td><td>334</td><td>AVERAGE</td></tr></table>						Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2496.52	55.60	74.00	-18.40	42.59	32.50	6.84	32.33	6.00	100	334	PEAK	2	2496.52	30.81	54.00	-23.19	17.80	32.50	6.84	32.33	6.00	100	334	AVERAGE	 <table><tr><th></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>96.01</td><td>-----</td><td>-----</td><td>83.02</td><td>32.50</td><td>6.82</td><td>32.33</td><td>6.00</td><td>100</td><td>334</td><td>PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>71.22</td><td>-----</td><td>-----</td><td>58.23</td><td>32.50</td><td>6.82</td><td>32.33</td><td>6.00</td><td>100</td><td>334</td><td>AVERAGE</td></tr></table>						Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	96.01	-----	-----	83.02	32.50	6.82	32.33	6.00	100	334	PEAK	2	2480.00	71.22	-----	-----	58.23	32.50	6.82	32.33	6.00	100	334	AVERAGE
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																			
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark																																																																																																																			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																		
1	2496.52	55.60	74.00	-18.40	42.59	32.50	6.84	32.33	6.00	100	334	PEAK																																																																																																																
2	2496.52	30.81	54.00	-23.19	17.80	32.50	6.84	32.33	6.00	100	334	AVERAGE																																																																																																																
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																			
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor	Remark																																																																																																																			
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																		
1	2480.00	96.01	-----	-----	83.02	32.50	6.82	32.33	6.00	100	334	PEAK																																																																																																																
2	2480.00	71.22	-----	-----	58.23	32.50	6.82	32.33	6.00	100	334	AVERAGE																																																																																																																



Mode	3																																																																			
	Band Edge																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																			
ANT	2																																																																			
Pol.	Vertical																																																																			
Peak																																																																				
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>2496.99</td><td>56.24</td><td>74.00</td><td>-17.76</td><td>43.23</td><td>32.50</td><td>6.84</td><td>32.33</td><td>6.00</td><td>238</td><td>0 PEAK</td></tr><tr><td>2</td><td>2496.99</td><td>31.45</td><td>54.00</td><td>-22.55</td><td>18.44</td><td>32.50</td><td>6.84</td><td>32.33</td><td>6.00</td><td>238</td><td>0 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2496.99	56.24	74.00	-17.76	43.23	32.50	6.84	32.33	6.00	238	0 PEAK	2	2496.99	31.45	54.00	-22.55	18.44	32.50	6.84	32.33	6.00	238	0 AVERAGE
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																										
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																										
1	2496.99	56.24	74.00	-17.76	43.23	32.50	6.84	32.33	6.00	238	0 PEAK																																																									
2	2496.99	31.45	54.00	-22.55	18.44	32.50	6.84	32.33	6.00	238	0 AVERAGE																																																									
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>98.05</td><td>-----</td><td>-----</td><td>85.06</td><td>32.50</td><td>6.82</td><td>32.33</td><td>6.00</td><td>238</td><td>0 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>73.26</td><td>-----</td><td>-----</td><td>60.27</td><td>32.50</td><td>6.82</td><td>32.33</td><td>6.00</td><td>238</td><td>0 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	98.05	-----	-----	85.06	32.50	6.82	32.33	6.00	238	0 PEAK	2	2480.00	73.26	-----	-----	60.27	32.50	6.82	32.33	6.00	238	0 AVERAGE
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																											
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																										
1	2480.00	98.05	-----	-----	85.06	32.50	6.82	32.33	6.00	238	0 PEAK																																																									
2	2480.00	73.26	-----	-----	60.27	32.50	6.82	32.33	6.00	238	0 AVERAGE																																																									
	<table><tr><th></th><th>Limit</th><th>Over</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</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</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>98.05</td><td>-----</td><td>-----</td><td>85.06</td><td>32.50</td><td>6.82</td><td>32.33</td><td>6.00</td><td>238</td><td>0 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>73.26</td><td>-----</td><td>-----</td><td>60.27</td><td>32.50</td><td>6.82</td><td>32.33</td><td>6.00</td><td>238</td><td>0 AVERAGE</td></tr></table>												Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2480.00	98.05	-----	-----	85.06	32.50	6.82	32.33	6.00	238	0 PEAK	2	2480.00	73.26	-----	-----	60.27	32.50	6.82	32.33	6.00	238	0 AVERAGE
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																											
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																										
1	2480.00	98.05	-----	-----	85.06	32.50	6.82	32.33	6.00	238	0 PEAK																																																									
2	2480.00	73.26	-----	-----	60.27	32.50	6.82	32.33	6.00	238	0 AVERAGE																																																									

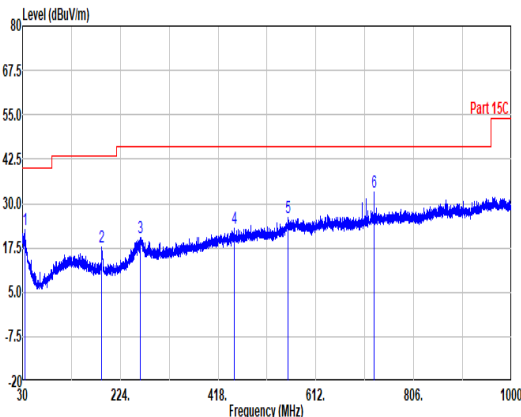
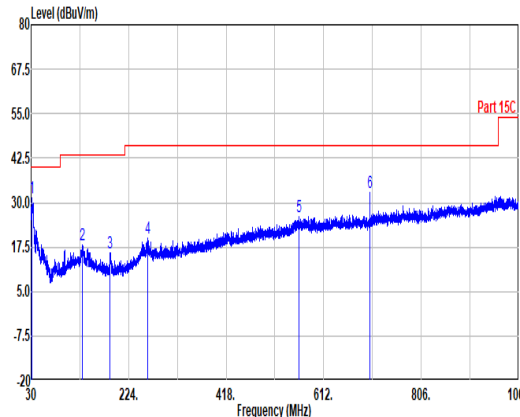


Mode	3																																																																																																																																																					
	Harmonic																																																																																																																																																					
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																																																					
ANT	2																																																																																																																																																					
Pol.	Horizontal												Vertical																																																																																																																																									
Peak Avg																																																																																																																																																						
	<table><tr><th colspan="2"></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th colspan="2"></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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4960.00</td><td>40.08</td><td>74.00</td><td>-33.92</td><td>62.47</td><td>34.04</td><td>9.76</td><td>66.19</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>42.57</td><td>74.00</td><td>-31.43</td><td>61.46</td><td>35.78</td><td>12.03</td><td>66.70</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>															Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4960.00	40.08	74.00	-33.92	62.47	34.04	9.76	66.19	0.00	---	---	PEAK	2	7440.00	42.57	74.00	-31.43	61.46	35.78	12.03	66.70	0.00	---	---	PEAK	<table><tr><th colspan="2"></th><th>Limit</th><th>Over</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th rowspan="2">Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Limit</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th></tr><tr><th colspan="2"></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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4960.00</td><td>41.15</td><td>74.00</td><td>-32.85</td><td>63.54</td><td>34.04</td><td>9.76</td><td>66.19</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>41.16</td><td>74.00</td><td>-32.84</td><td>60.05</td><td>35.78</td><td>12.03</td><td>66.70</td><td>0.00</td><td>---</td><td>---</td><td>PEAK</td></tr></table>															Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor					MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	4960.00	41.15	74.00	-32.85	63.54	34.04	9.76	66.19	0.00	---	---	PEAK	2	7440.00	41.16	74.00	-32.84	60.05	35.78	12.03	66.70	0.00	---	---	PEAK
			Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																										
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																																																																																																														
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																																										
1	4960.00	40.08	74.00	-33.92	62.47	34.04	9.76	66.19	0.00	---	---	PEAK																																																																																																																																										
2	7440.00	42.57	74.00	-31.43	61.46	35.78	12.03	66.70	0.00	---	---	PEAK																																																																																																																																										
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																											
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor																																																																																																																																														
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																																										
1	4960.00	41.15	74.00	-32.85	63.54	34.04	9.76	66.19	0.00	---	---	PEAK																																																																																																																																										
2	7440.00	41.16	74.00	-32.84	60.05	35.78	12.03	66.70	0.00	---	---	PEAK																																																																																																																																										



Mode	3	
	18G-25G	
	2400-2483.5 Bluetooth BR_GFSK_CH78_2480MHz	
ANT	2	
Pol.	Horizontal	Vertical
Peak Avg	Level (dBuV/m) Frequency (MHz) FCC PART 15C FCC PART 15C (AVG) The plot shows a blue line representing the measured signal level across a frequency range from 18000 to 25000 MHz. The y-axis ranges from 0 to 130 dBuV/m. Two horizontal red lines indicate the FCC Part 15C limits: one for the peak level at approximately 75 dBuV/m and one for the average level at approximately 55 dBuV/m. The measured signal remains below these limits throughout the frequency range.	Level (dBuV/m) Frequency (MHz) FCC PART 15C FCC PART 15C (AVG) The plot shows a blue line representing the measured signal level across a frequency range from 18000 to 25000 MHz. The y-axis ranges from 0 to 130 dBuV/m. Two horizontal red lines indicate the FCC Part 15C limits: one for the peak level at approximately 75 dBuV/m and one for the average level at approximately 55 dBuV/m. The measured signal remains below these limits throughout the frequency range.



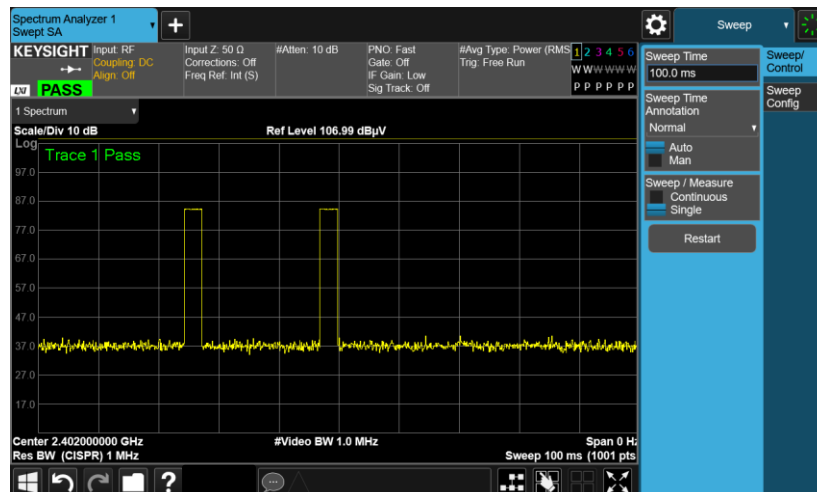
Mode	3																																																																																																																																																																																																																							
	30-1G																																																																																																																																																																																																																							
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																																																																																																																							
ANT	2																																																																																																																																																																																																																							
Pol.	Horizontal						Vertical																																																																																																																																																																																																																	
Peak																																																																																																																																																																																																																								
	<table><tr><th></th><th>Freq</th><th>Limit</th><th>Over</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></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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>34.24</td><td>22.53</td><td>40.00</td><td>-17.47</td><td>31.70</td><td>23.09</td><td>0.53</td><td>32.79</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>187.02</td><td>17.86</td><td>43.50</td><td>-25.64</td><td>33.92</td><td>14.99</td><td>1.88</td><td>32.93</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>263.65</td><td>20.36</td><td>46.00</td><td>-25.64</td><td>30.84</td><td>20.14</td><td>2.23</td><td>32.85</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>450.50</td><td>23.20</td><td>46.00</td><td>-22.80</td><td>29.86</td><td>23.22</td><td>2.92</td><td>32.80</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>556.95</td><td>25.93</td><td>46.00</td><td>-20.07</td><td>29.08</td><td>26.31</td><td>3.24</td><td>32.70</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>727.67</td><td>33.14</td><td>46.00</td><td>-12.86</td><td>34.22</td><td>28.06</td><td>3.69</td><td>32.83</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr></table>							Freq	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	34.24	22.53	40.00	-17.47	31.70	23.09	0.53	32.79	0.00	---	---	Peak	2	187.02	17.86	43.50	-25.64	33.92	14.99	1.88	32.93	0.00	---	---	Peak	3	263.65	20.36	46.00	-25.64	30.84	20.14	2.23	32.85	0.00	---	---	Peak	4	450.50	23.20	46.00	-22.80	29.86	23.22	2.92	32.80	0.00	---	---	Peak	5	556.95	25.93	46.00	-20.07	29.08	26.31	3.24	32.70	0.00	---	---	Peak	6	727.67	33.14	46.00	-12.86	34.22	28.06	3.69	32.83	0.00	---	---	Peak	<table><tr><th></th><th>Freq</th><th>Limit</th><th>Over</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></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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>31.94</td><td>31.31</td><td>40.00</td><td>-8.69</td><td>39.45</td><td>24.24</td><td>0.50</td><td>32.88</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>131.97</td><td>18.16</td><td>43.50</td><td>-25.34</td><td>31.81</td><td>17.79</td><td>1.57</td><td>33.01</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>187.02</td><td>15.77</td><td>43.50</td><td>-27.73</td><td>31.83</td><td>14.99</td><td>1.88</td><td>32.93</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>262.44</td><td>19.87</td><td>46.00</td><td>-26.13</td><td>30.28</td><td>20.21</td><td>2.22</td><td>32.84</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>562.89</td><td>26.05</td><td>46.00</td><td>-19.95</td><td>28.98</td><td>26.52</td><td>3.26</td><td>32.71</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>703.91</td><td>32.88</td><td>46.00</td><td>-13.12</td><td>35.26</td><td>26.95</td><td>3.63</td><td>32.96</td><td>0.00</td><td>---</td><td>---</td><td>Peak</td></tr></table>							Freq	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg	1	31.94	31.31	40.00	-8.69	39.45	24.24	0.50	32.88	0.00	---	---	Peak	2	131.97	18.16	43.50	-25.34	31.81	17.79	1.57	33.01	0.00	---	---	Peak	3	187.02	15.77	43.50	-27.73	31.83	14.99	1.88	32.93	0.00	---	---	Peak	4	262.44	19.87	46.00	-26.13	30.28	20.21	2.22	32.84	0.00	---	---	Peak	5	562.89	26.05	46.00	-19.95	28.98	26.52	3.26	32.71	0.00	---	---	Peak	6	703.91	32.88	46.00	-13.12	35.26	26.95	3.63	32.96	0.00	---	---	Peak
		Freq	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																																																																																												
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																																																																																																													
1	34.24	22.53	40.00	-17.47	31.70	23.09	0.53	32.79	0.00	---	---	Peak																																																																																																																																																																																																												
2	187.02	17.86	43.50	-25.64	33.92	14.99	1.88	32.93	0.00	---	---	Peak																																																																																																																																																																																																												
3	263.65	20.36	46.00	-25.64	30.84	20.14	2.23	32.85	0.00	---	---	Peak																																																																																																																																																																																																												
4	450.50	23.20	46.00	-22.80	29.86	23.22	2.92	32.80	0.00	---	---	Peak																																																																																																																																																																																																												
5	556.95	25.93	46.00	-20.07	29.08	26.31	3.24	32.70	0.00	---	---	Peak																																																																																																																																																																																																												
6	727.67	33.14	46.00	-12.86	34.22	28.06	3.69	32.83	0.00	---	---	Peak																																																																																																																																																																																																												
	Freq	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																																																																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																																																																																																																																																																																													
1	31.94	31.31	40.00	-8.69	39.45	24.24	0.50	32.88	0.00	---	---	Peak																																																																																																																																																																																																												
2	131.97	18.16	43.50	-25.34	31.81	17.79	1.57	33.01	0.00	---	---	Peak																																																																																																																																																																																																												
3	187.02	15.77	43.50	-27.73	31.83	14.99	1.88	32.93	0.00	---	---	Peak																																																																																																																																																																																																												
4	262.44	19.87	46.00	-26.13	30.28	20.21	2.22	32.84	0.00	---	---	Peak																																																																																																																																																																																																												
5	562.89	26.05	46.00	-19.95	28.98	26.52	3.26	32.71	0.00	---	---	Peak																																																																																																																																																																																																												
6	703.91	32.88	46.00	-13.12	35.26	26.95	3.63	32.96	0.00	---	---	Peak																																																																																																																																																																																																												

Appendix D. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 00



DH5 on time (Count Pulses) Plot on Channel 00



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.