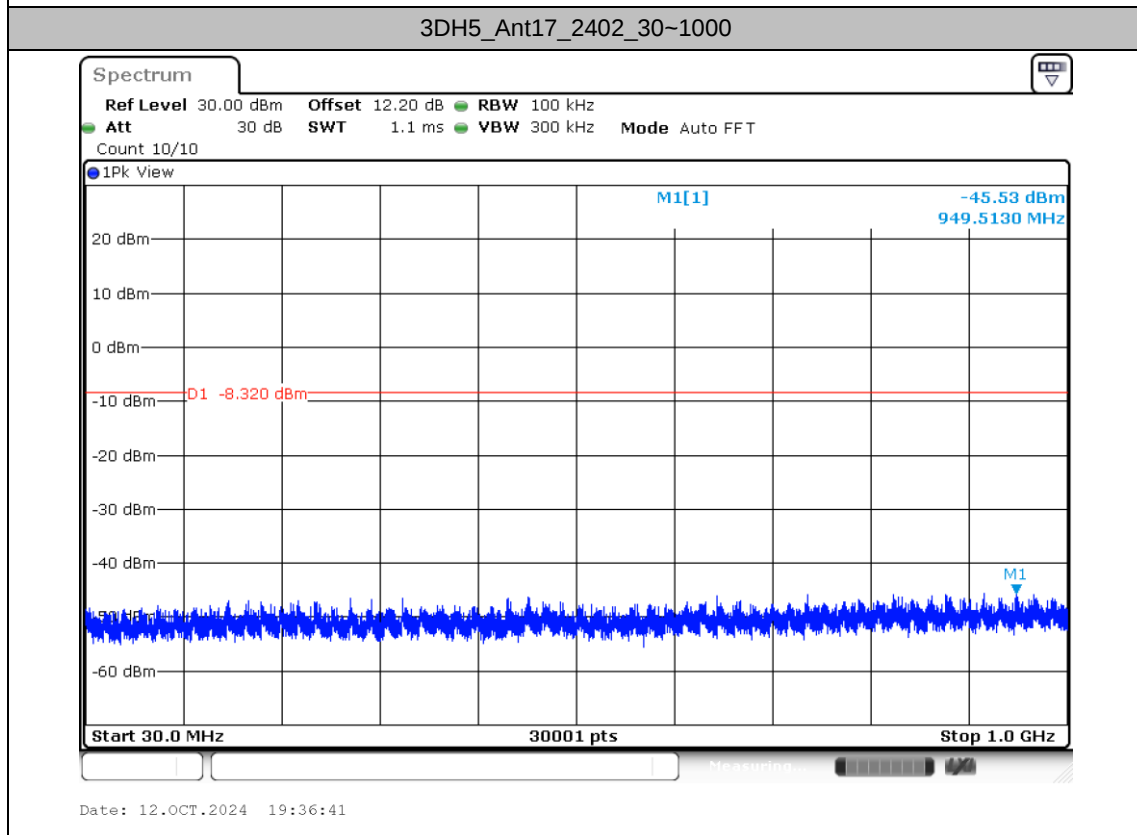
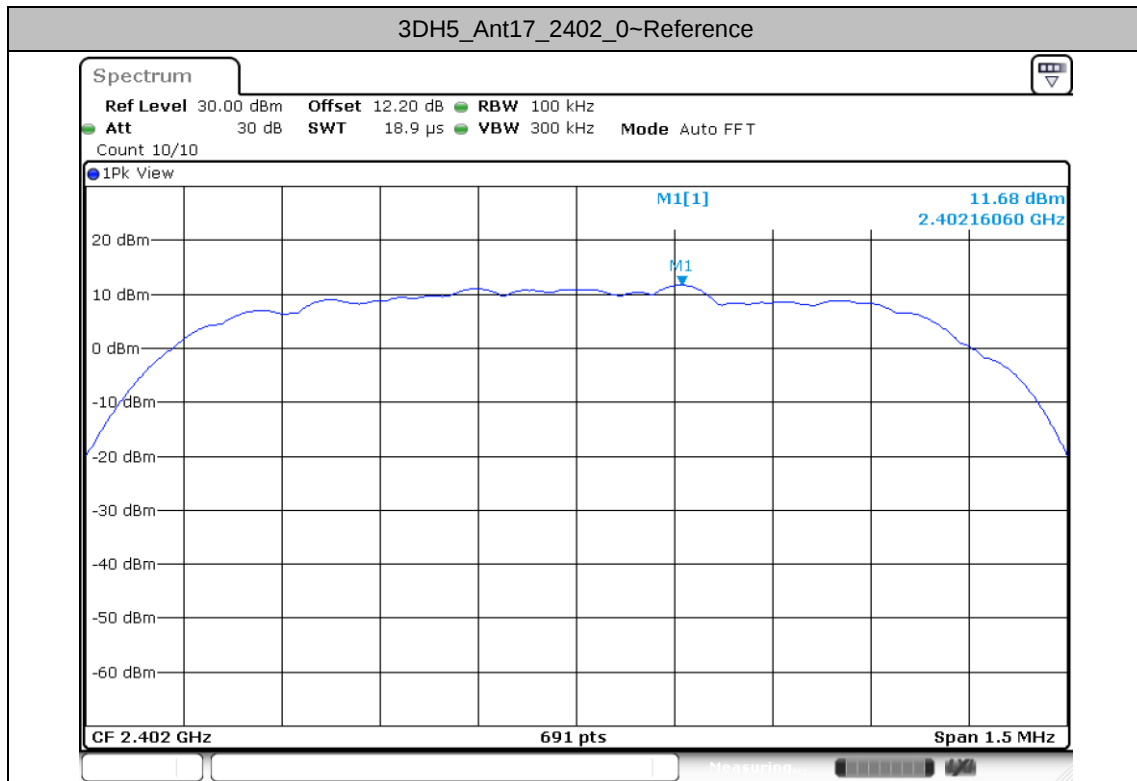
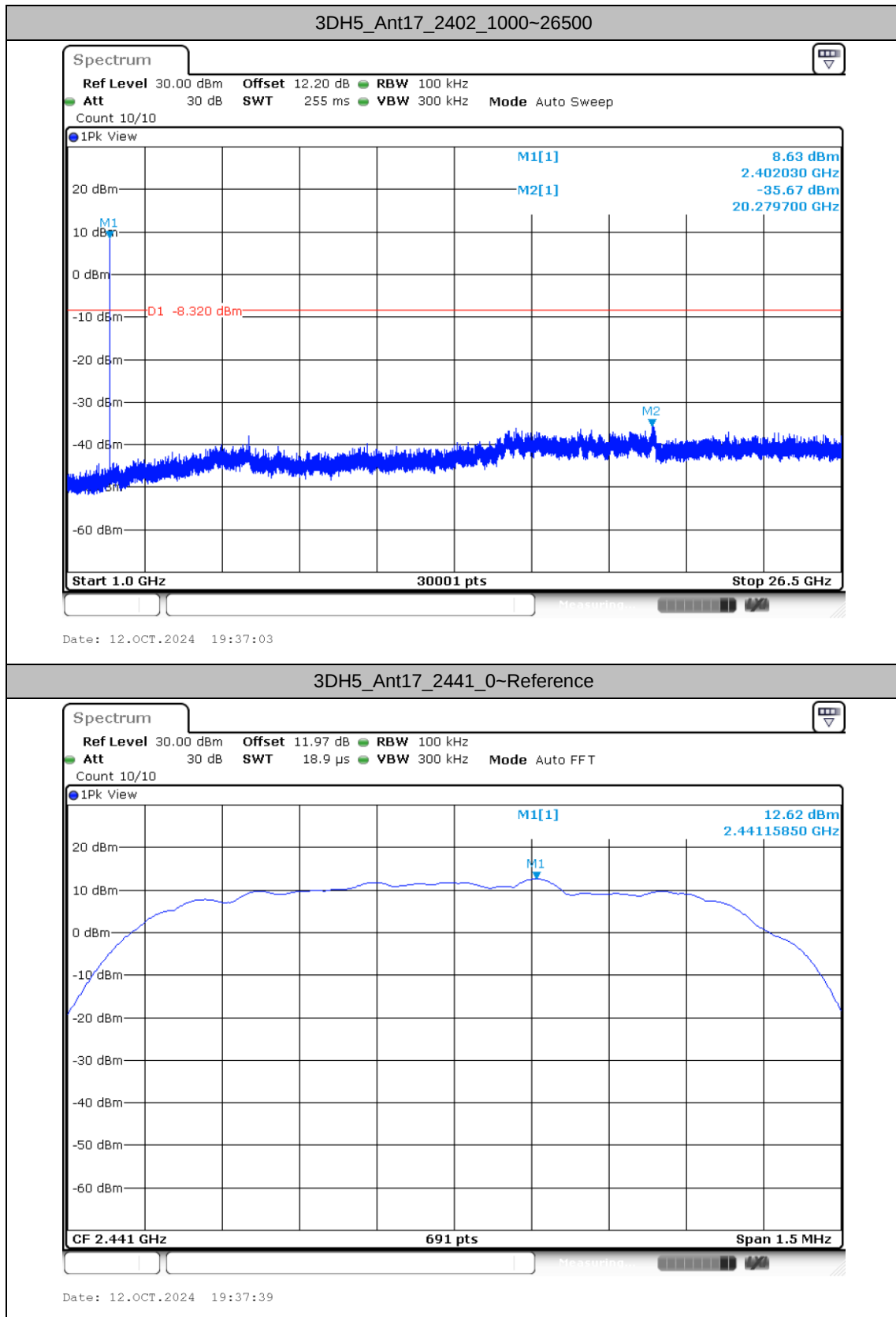
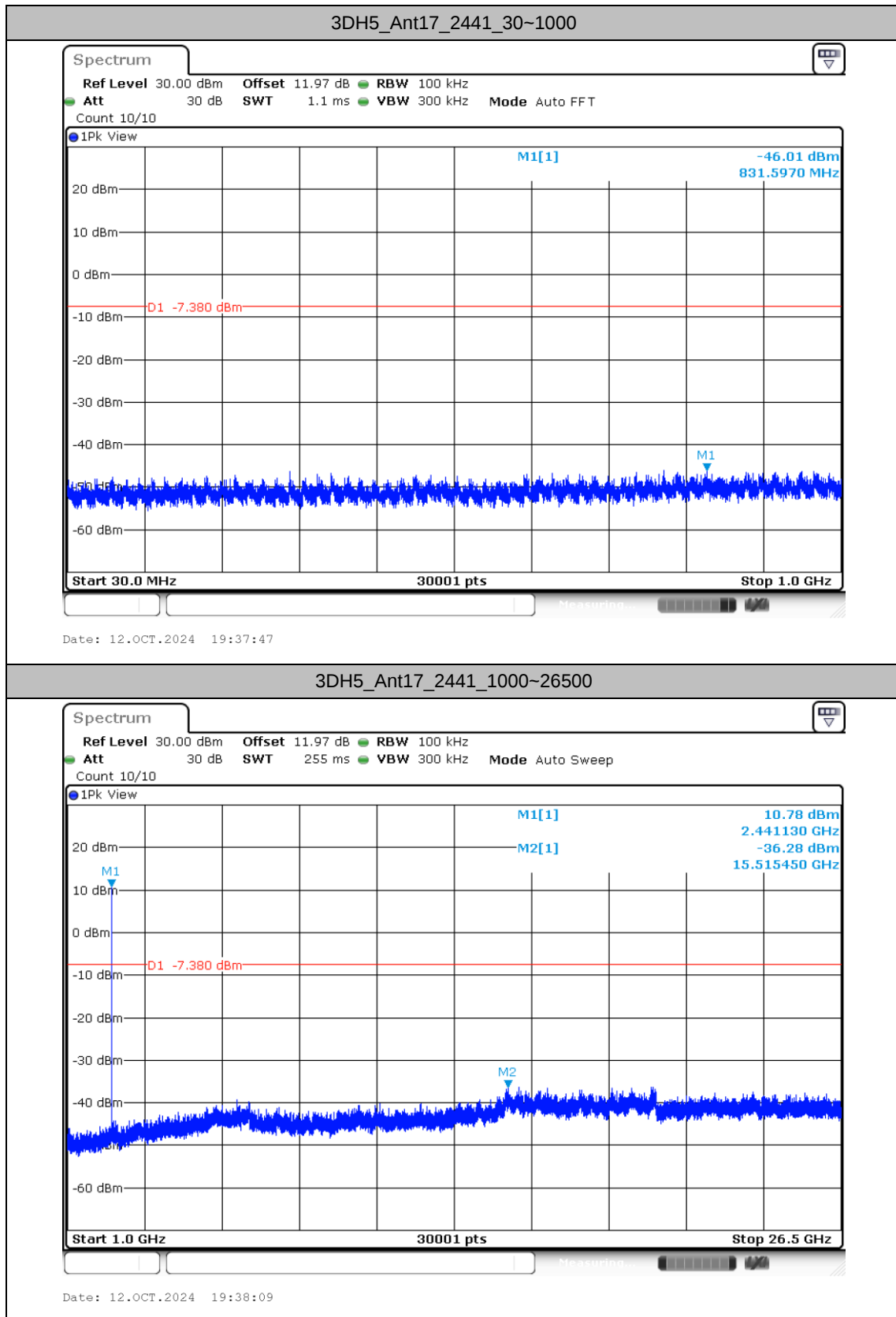
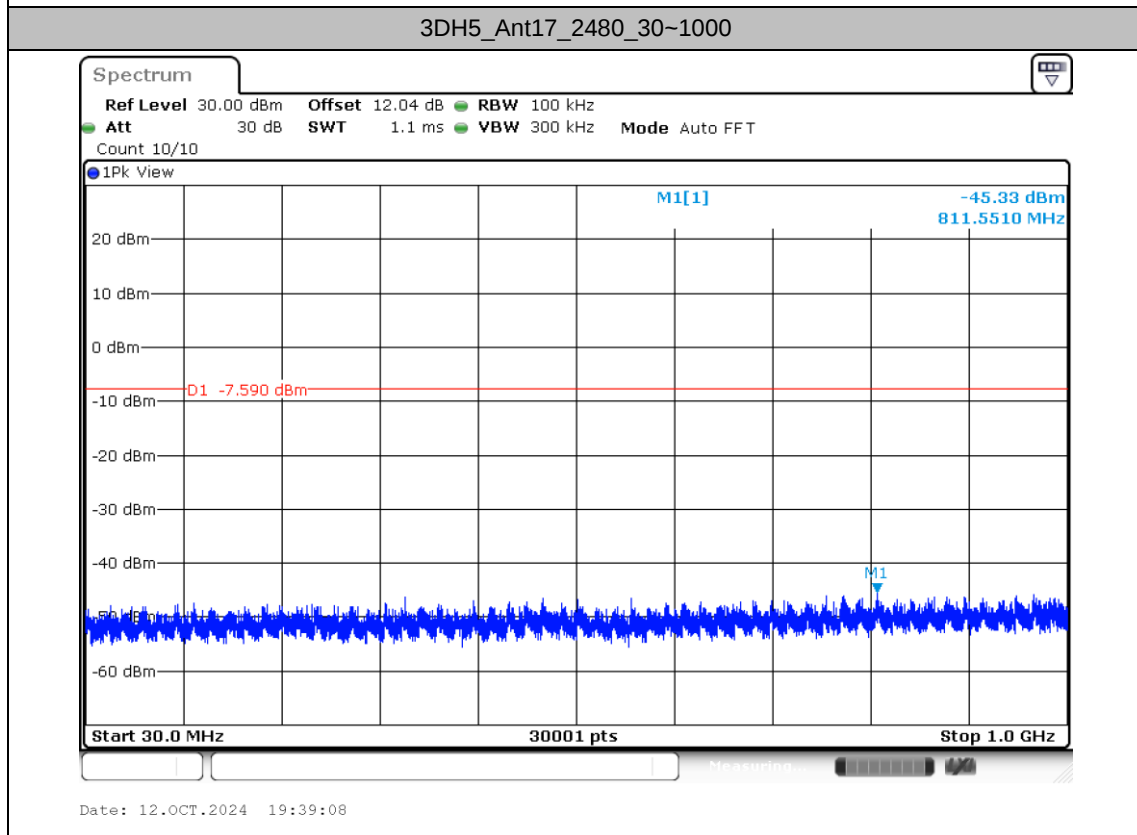
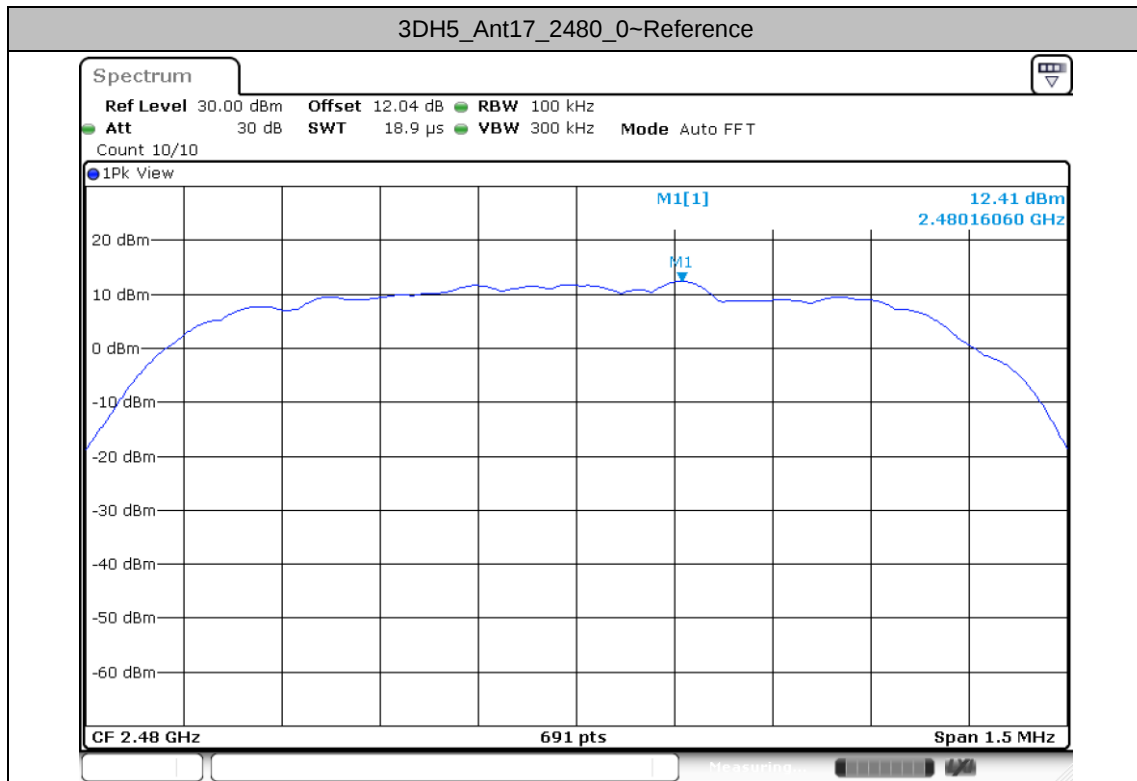
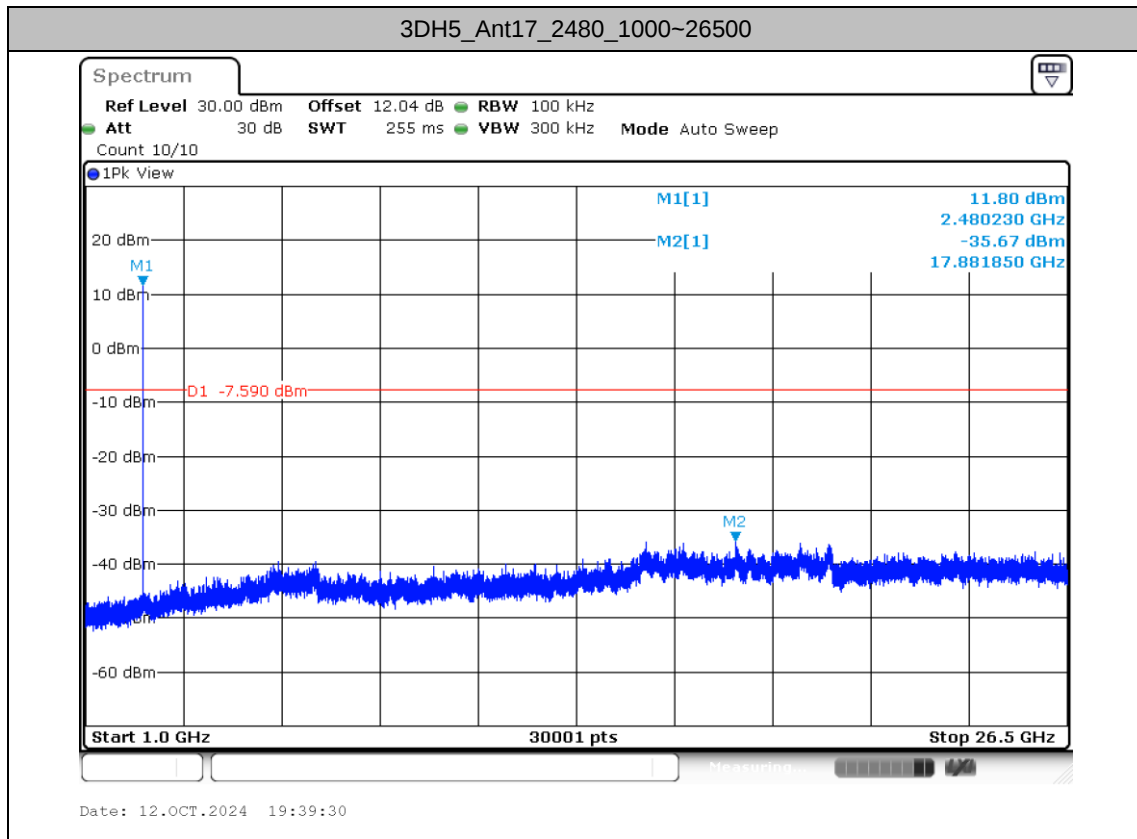






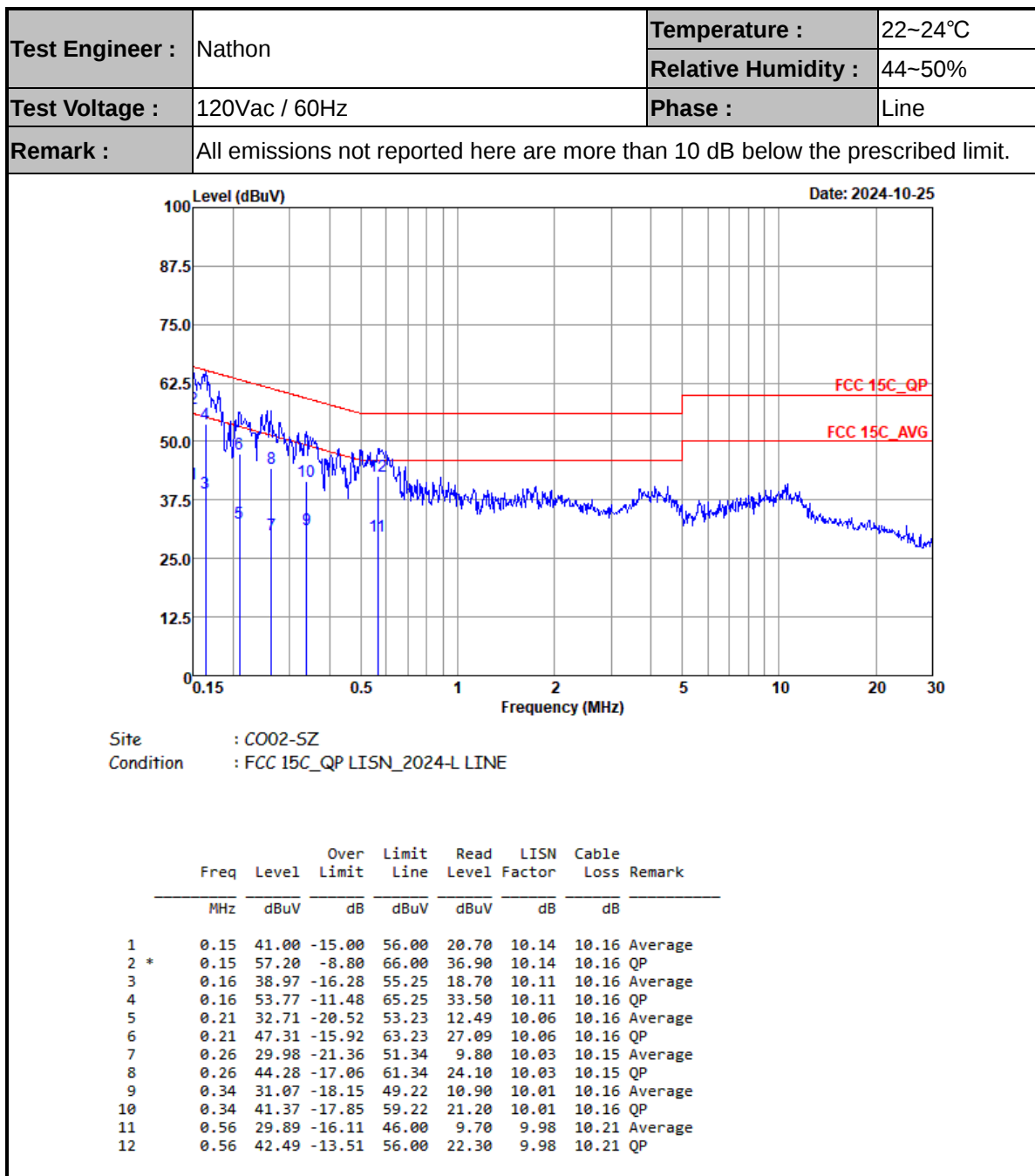






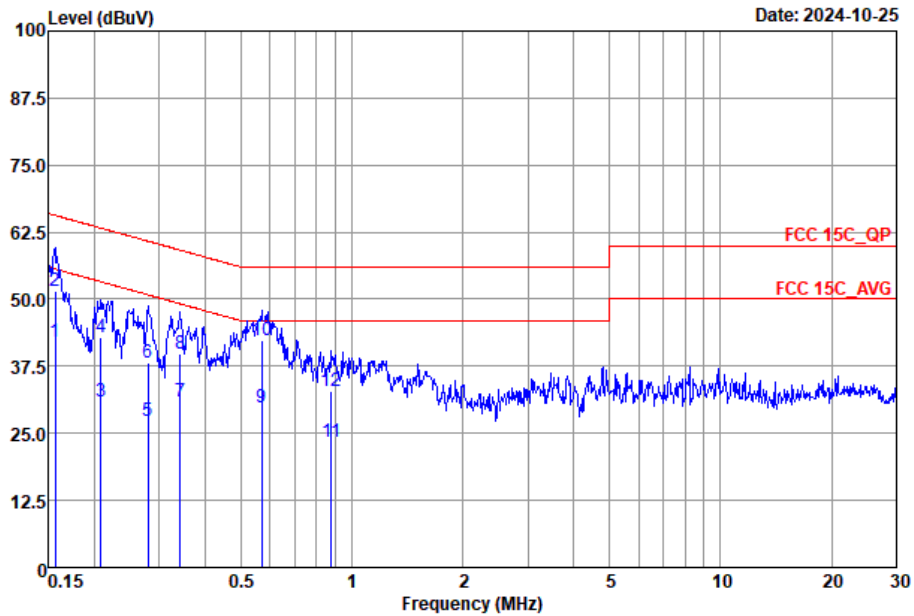


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Nathon	Temperature :	22~24°C
		Relative Humidity :	44~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO02-SZ
Condition : FCC 15C_QP LISN_2024-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.16	42.17	-13.48	55.65	21.90	10.11	10.16	Average
2	0.16	51.47	-14.18	65.65	31.20	10.11	10.16	QP
3	0.21	30.89	-22.38	53.27	10.70	10.03	10.16	Average
4	0.21	42.89	-20.38	63.27	22.70	10.03	10.16	QP
5	0.28	27.35	-23.46	50.81	7.20	10.00	10.15	Average
6	0.28	38.15	-22.66	60.81	18.00	10.00	10.15	QP
7	0.34	30.94	-18.19	49.13	10.80	9.98	10.16	Average
8	0.34	39.74	-19.39	59.13	19.60	9.98	10.16	QP
9	0.57	29.88	-16.12	46.00	9.71	9.96	10.21	Average
10 *	0.57	42.28	-13.72	56.00	22.11	9.96	10.21	QP
11	0.88	23.49	-22.51	46.00	3.30	9.96	10.23	Average
12	0.88	32.89	-23.11	56.00	12.70	9.96	10.23	QP

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Reid Huang	Relative Humidity :	48~49%
		Temperature :	24-25°C

Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	17	Bluetooth BR_GFSK	00	2402	1DH5	-	-
Mode 2	2400-2483.5	17	Bluetooth BR_GFSK	39	2441	1DH5	-	-
Mode 3	2400-2483.5	17	Bluetooth BR_GFSK	78	2480	1DH5	-	-
Mode 4	2400-2483.5	17	Bluetooth BR_GFSK-LF	78	2480	1DH5	-	-

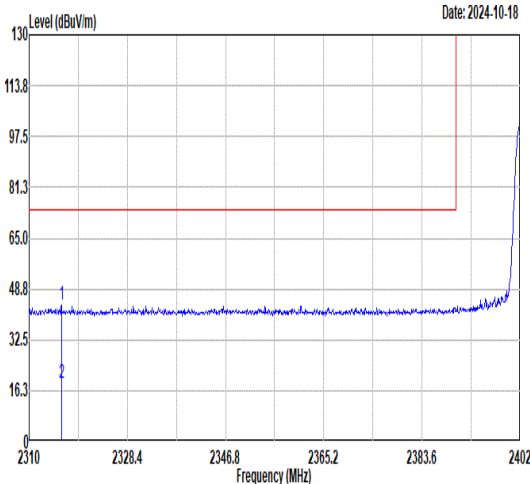
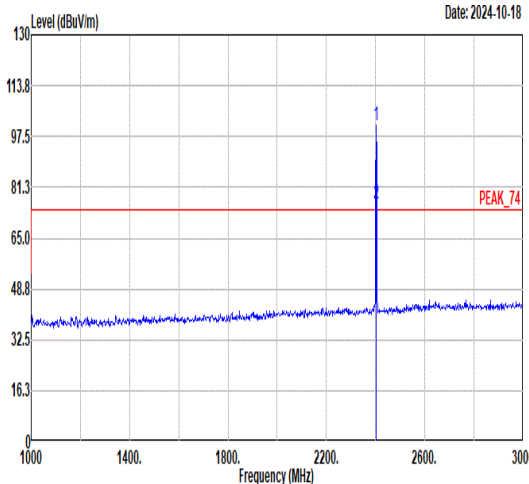
Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth BR_GFSK	00	2389.49	44.05	74.00	-29.95	H	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	43.27	74.00	-30.73	H	Peak	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	7323.00	43.55	74.00	-30.45	V	Peak	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2483.54	51.08	74.00	-22.92	H	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	4960.00	45.72	74.00	-28.28	V	Peak	Pass	Harmonic
4	Bluetooth BR_GFSK-LF	78	844.8	31.81	46	-14.19	V	Peak	Pass	LF



Mode	1																																																																																																																	
	Band Edge																																																																																																																	
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																																																																	
ANT	17																																																																																																																	
Pol.	Horizontal						Fundamental																																																																																																											
Peak	Level (dBuV/m) Date: 2024-10-18 Frequency (MHz)						Level (dBuV/m) Date: 2024-10-18 Frequency (MHz)																																																																																																											
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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>cm</th><th>deg</th></tr><tr><td>1</td><td>2389.49</td><td>44.05</td><td>74.00</td><td>-29.95</td><td>42.21</td><td>30.61</td><td>4.80</td><td>33.57</td><td>400</td><td>360</td><td>PEAK</td></tr><tr><td>2</td><td>2389.49</td><td>19.26</td><td>54.00</td><td>-34.74</td><td>17.42</td><td>30.61</td><td>4.80</td><td>33.57</td><td>400</td><td>360</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	1	2389.49	44.05	74.00	-29.95	42.21	30.61	4.80	33.57	400	360	PEAK	2	2389.49	19.26	54.00	-34.74	17.42	30.61	4.80	33.57	400	360	AVERAGE	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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>cm</th><th>deg</th></tr><tr><td>1</td><td>2402.00</td><td>105.72</td><td>-----</td><td>103.85</td><td>30.62</td><td>4.81</td><td>33.56</td><td>400</td><td>360</td><td>PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>80.93</td><td>-----</td><td>79.06</td><td>30.62</td><td>4.81</td><td>33.56</td><td>400</td><td>360</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	1	2402.00	105.72	-----	103.85	30.62	4.81	33.56	400	360	PEAK	2	2402.00	80.93	-----	79.06	30.62	4.81	33.56	400	360	AVERAGE
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																										
	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																									
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg																																																																																																									
1	2389.49	44.05	74.00	-29.95	42.21	30.61	4.80	33.57	400	360	PEAK																																																																																																							
2	2389.49	19.26	54.00	-34.74	17.42	30.61	4.80	33.57	400	360	AVERAGE																																																																																																							
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																											
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																										
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg																																																																																																									
1	2402.00	105.72	-----	103.85	30.62	4.81	33.56	400	360	PEAK																																																																																																								
2	2402.00	80.93	-----	79.06	30.62	4.81	33.56	400	360	AVERAGE																																																																																																								



Mode	1																																																																																																																						
	Band Edge																																																																																																																						
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																																																																						
ANT	17																																																																																																																						
Pol.	Vertical						Fundamental																																																																																																																
Peak																																																																																																																							
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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><th></th></tr><tr><td>1</td><td>2316.07</td><td>43.59</td><td>74.00</td><td>-30.41</td><td>41.73</td><td>30.75</td><td>4.72</td><td>33.61</td><td>200</td><td>227</td><td>PEAK</td></tr><tr><td>2</td><td>2316.07</td><td>18.80</td><td>54.00</td><td>-35.20</td><td>16.94</td><td>30.75</td><td>4.72</td><td>33.61</td><td>200</td><td>227</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	2316.07	43.59	74.00	-30.41	41.73	30.75	4.72	33.61	200	227	PEAK	2	2316.07	18.80	54.00	-35.20	16.94	30.75	4.72	33.61	200	227	AVERAGE	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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><th></th></tr><tr><td>1</td><td>2402.00</td><td>100.83</td><td>-----</td><td>-----</td><td>98.96</td><td>30.62</td><td>4.81</td><td>33.56</td><td>200</td><td>227</td><td>PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>76.04</td><td>-----</td><td>-----</td><td>74.17</td><td>30.62</td><td>4.81</td><td>33.56</td><td>200</td><td>227</td><td>AVERAGE</td></tr></table>						Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	2402.00	100.83	-----	-----	98.96	30.62	4.81	33.56	200	227	PEAK	2	2402.00	76.04	-----	-----	74.17	30.62	4.81	33.56	200	227	AVERAGE
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																															
	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																													
1	2316.07	43.59	74.00	-30.41	41.73	30.75	4.72	33.61	200	227	PEAK																																																																																																												
2	2316.07	18.80	54.00	-35.20	16.94	30.75	4.72	33.61	200	227	AVERAGE																																																																																																												
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																																
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																															
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																													
1	2402.00	100.83	-----	-----	98.96	30.62	4.81	33.56	200	227	PEAK																																																																																																												
2	2402.00	76.04	-----	-----	74.17	30.62	4.81	33.56	200	227	AVERAGE																																																																																																												



Mode	1																																																																																																				
	Harmonic																																																																																																				
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																																																				
ANT	17																																																																																																				
Pol.	Horizontal						Horizontal																																																																																														
Peak Avg	Level (dBuV/m) Date: 2024-10-19 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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></th></tr><tr><td>1</td><td>4804.00</td><td>43.27</td><td>74.00</td><td>-30.73</td><td>66.52</td><td>34.23</td><td>7.74</td><td>65.22 -- -- Peak</td></tr><tr><td>2</td><td>4804.00</td><td>18.48</td><td>54.00</td><td>-35.52</td><td>41.73</td><td>34.23</td><td>7.74</td><td>65.22 -- -- Average</td></tr></table>							Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB		1	4804.00	43.27	74.00	-30.73	66.52	34.23	7.74	65.22 -- -- Peak	2	4804.00	18.48	54.00	-35.52	41.73	34.23	7.74	65.22 -- -- Average	Level (dBuV/m) Date: 2024-10-19 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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></th></tr><tr><td>1</td><td>4804.00</td><td>43.27</td><td>74.00</td><td>-30.73</td><td>66.52</td><td>34.23</td><td>7.74</td><td>65.22 -- -- Peak</td></tr><tr><td>2</td><td>4804.00</td><td>18.48</td><td>54.00</td><td>-35.52</td><td>41.73</td><td>34.23</td><td>7.74</td><td>65.22 -- -- Average</td></tr></table>						Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB		1	4804.00	43.27	74.00	-30.73	66.52	34.23	7.74	65.22 -- -- Peak	2	4804.00	18.48	54.00	-35.52	41.73	34.23	7.74	65.22 -- -- Average
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																													
	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																												
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB																																																																																														
1	4804.00	43.27	74.00	-30.73	66.52	34.23	7.74	65.22 -- -- Peak																																																																																													
2	4804.00	18.48	54.00	-35.52	41.73	34.23	7.74	65.22 -- -- Average																																																																																													
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																														
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB																																																																																														
1	4804.00	43.27	74.00	-30.73	66.52	34.23	7.74	65.22 -- -- Peak																																																																																													
2	4804.00	18.48	54.00	-35.52	41.73	34.23	7.74	65.22 -- -- Average																																																																																													



Mode	2																																																																																																																																																													
	Harmonic																																																																																																																																																													
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz																																																																																																																																																													
ANT	17																																																																																																																																																													
Pol.	Horizontal	Horizontal																																																																																																																																																												
Peak Avg	Level (dBuV/m) Date: 2024-10-19 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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><th></th></tr><tr><td>1</td><td>4882.00</td><td>41.08</td><td>74.00</td><td>-32.92</td><td>64.22</td><td>34.34</td><td>7.77</td><td>65.25</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4882.00</td><td>16.29</td><td>74.00</td><td>-57.71</td><td>39.43</td><td>34.34</td><td>7.77</td><td>65.25</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7323.00</td><td>42.75</td><td>54.00</td><td>-11.25</td><td>62.99</td><td>35.43</td><td>8.97</td><td>64.64</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7323.00</td><td>17.96</td><td>54.00</td><td>-36.04</td><td>38.20</td><td>35.43</td><td>8.97</td><td>64.64</td><td>--</td><td>--</td><td>Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	4882.00	41.08	74.00	-32.92	64.22	34.34	7.77	65.25	--	--	Peak	2	4882.00	16.29	74.00	-57.71	39.43	34.34	7.77	65.25	--	--	Average	3	7323.00	42.75	54.00	-11.25	62.99	35.43	8.97	64.64	--	--	Peak	4	7323.00	17.96	54.00	-36.04	38.20	35.43	8.97	64.64	--	--	Average	Level (dBuV/m) Date: 2024-10-19 <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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><th></th></tr><tr><td>1</td><td>4882.00</td><td>41.08</td><td>74.00</td><td>-32.92</td><td>64.22</td><td>34.34</td><td>7.77</td><td>65.25</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4882.00</td><td>16.29</td><td>74.00</td><td>-57.71</td><td>39.43</td><td>34.34</td><td>7.77</td><td>65.25</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7323.00</td><td>42.75</td><td>54.00</td><td>-11.25</td><td>62.99</td><td>35.43</td><td>8.97</td><td>64.64</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7323.00</td><td>17.96</td><td>54.00</td><td>-36.04</td><td>38.20</td><td>35.43</td><td>8.97</td><td>64.64</td><td>--</td><td>--</td><td>Average</td></tr></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	4882.00	41.08	74.00	-32.92	64.22	34.34	7.77	65.25	--	--	Peak	2	4882.00	16.29	74.00	-57.71	39.43	34.34	7.77	65.25	--	--	Average	3	7323.00	42.75	54.00	-11.25	62.99	35.43	8.97	64.64	--	--	Peak	4	7323.00	17.96	54.00	-36.04	38.20	35.43	8.97	64.64	--	--	Average
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																																																																						
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																																																																						
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																																				
1	4882.00	41.08	74.00	-32.92	64.22	34.34	7.77	65.25	--	--	Peak																																																																																																																																																			
2	4882.00	16.29	74.00	-57.71	39.43	34.34	7.77	65.25	--	--	Average																																																																																																																																																			
3	7323.00	42.75	54.00	-11.25	62.99	35.43	8.97	64.64	--	--	Peak																																																																																																																																																			
4	7323.00	17.96	54.00	-36.04	38.20	35.43	8.97	64.64	--	--	Average																																																																																																																																																			
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																																																																							
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																																																																						
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																																				
1	4882.00	41.08	74.00	-32.92	64.22	34.34	7.77	65.25	--	--	Peak																																																																																																																																																			
2	4882.00	16.29	74.00	-57.71	39.43	34.34	7.77	65.25	--	--	Average																																																																																																																																																			
3	7323.00	42.75	54.00	-11.25	62.99	35.43	8.97	64.64	--	--	Peak																																																																																																																																																			
4	7323.00	17.96	54.00	-36.04	38.20	35.43	8.97	64.64	--	--	Average																																																																																																																																																			



Mode	3																																																																																																					
	Band Edge																																																																																																					
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																					
ANT	17																																																																																																					
Pol.	Horizontal	Fundamental																																																																																																				
Peak	Level (dBuV/m) Date: 2024-10-18 130 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2441 2452.8 2464.6 2476.4 2488.2 2500 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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>cm</th><th>deg</th></tr><tr><td>1</td><td>2483.54</td><td>51.08</td><td>74.00</td><td>-22.92</td><td>48.82</td><td>30.85</td><td>4.92</td><td>33.51</td><td>374</td><td>0 PEAK</td></tr><tr><td>2</td><td>2483.54</td><td>26.29</td><td>54.00</td><td>-27.71</td><td>24.03</td><td>30.85</td><td>4.92</td><td>33.51</td><td>374</td><td>0 AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	1	2483.54	51.08	74.00	-22.92	48.82	30.85	4.92	33.51	374	0 PEAK	2	2483.54	26.29	54.00	-27.71	24.03	30.85	4.92	33.51	374	0 AVERAGE	Level (dBuV/m) Date: 2024-10-18 130 113.8 97.5 81.3 65.0 48.8 32.5 16.3 1000 1400 1800 2200 2600 3000 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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>cm</th><th>deg</th></tr><tr><td>1</td><td>2480.00</td><td>107.05</td><td>-----</td><td>-----</td><td>104.80</td><td>30.84</td><td>4.92</td><td>33.51</td><td>374</td><td>0 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>82.26</td><td>-----</td><td>-----</td><td>80.01</td><td>30.84</td><td>4.92</td><td>33.51</td><td>374</td><td>0 AVERAGE</td></tr></table>		Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	1	2480.00	107.05	-----	-----	104.80	30.84	4.92	33.51	374	0 PEAK	2	2480.00	82.26	-----	-----	80.01	30.84	4.92	33.51	374	0 AVERAGE
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																														
	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																													
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg																																																																																													
1	2483.54	51.08	74.00	-22.92	48.82	30.85	4.92	33.51	374	0 PEAK																																																																																												
2	2483.54	26.29	54.00	-27.71	24.03	30.85	4.92	33.51	374	0 AVERAGE																																																																																												
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																															
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																														
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg																																																																																													
1	2480.00	107.05	-----	-----	104.80	30.84	4.92	33.51	374	0 PEAK																																																																																												
2	2480.00	82.26	-----	-----	80.01	30.84	4.92	33.51	374	0 AVERAGE																																																																																												

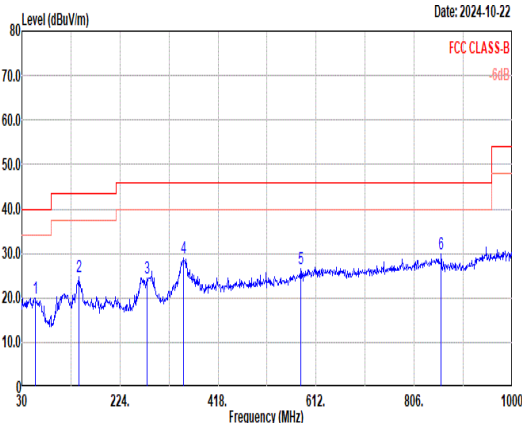
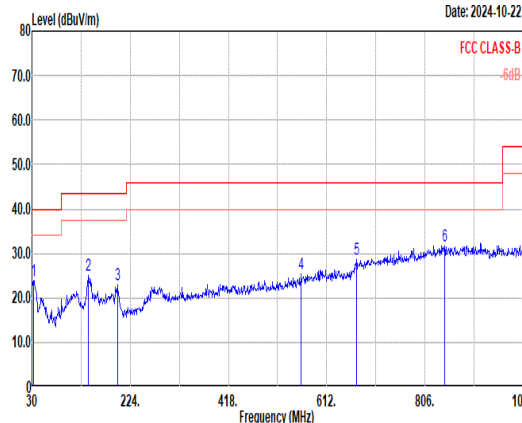


Mode	3																																																																																																																						
	Band Edge																																																																																																																						
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																						
ANT	17																																																																																																																						
Pol.	Vertical						Fundamental																																																																																																																
Peak	Level (dBuV/m) Date: 2024-10-18 130 113.8 97.5 81.3 65.0 48.8 32.5 16.3 2441 2452.8 2464.6 2476.4 2488.2 2500 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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><th></th></tr><tr><td>1</td><td>2483.78</td><td>47.83</td><td>74.00</td><td>-26.17</td><td>45.57</td><td>30.85</td><td>4.92</td><td>33.51</td><td>400</td><td>246</td><td>PEAK</td></tr><tr><td>2</td><td>2483.78</td><td>23.04</td><td>54.00</td><td>-30.96</td><td>20.78</td><td>30.85</td><td>4.92</td><td>33.51</td><td>400</td><td>246</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	2483.78	47.83	74.00	-26.17	45.57	30.85	4.92	33.51	400	246	PEAK	2	2483.78	23.04	54.00	-30.96	20.78	30.85	4.92	33.51	400	246	AVERAGE	Level (dBuV/m) Date: 2024-10-18 130 113.8 97.5 81.3 65.0 48.8 32.5 16.3 1000 1400 1800 2200 2600 3000 Frequency (MHz) <table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th></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>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><th></th></tr><tr><td>1</td><td>2480.00</td><td>101.82</td><td>-----</td><td>-----</td><td>99.57</td><td>30.84</td><td>4.92</td><td>33.51</td><td>400</td><td>246</td><td>PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>77.03</td><td>-----</td><td>-----</td><td>74.78</td><td>30.84</td><td>4.92</td><td>33.51</td><td>400</td><td>246</td><td>AVERAGE</td></tr></table>						Limit	Read	Ant	Cable	Preamp	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg		1	2480.00	101.82	-----	-----	99.57	30.84	4.92	33.51	400	246	PEAK	2	2480.00	77.03	-----	-----	74.78	30.84	4.92	33.51	400	246	AVERAGE
		Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																															
	Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																														
		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																												
1	2483.78	47.83	74.00	-26.17	45.57	30.85	4.92	33.51	400	246	PEAK																																																																																																												
2	2483.78	23.04	54.00	-30.96	20.78	30.85	4.92	33.51	400	246	AVERAGE																																																																																																												
	Limit	Read	Ant	Cable	Preamp	APos	TPos																																																																																																																
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Remark																																																																																																															
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																													
1	2480.00	101.82	-----	-----	99.57	30.84	4.92	33.51	400	246	PEAK																																																																																																												
2	2480.00	77.03	-----	-----	74.78	30.84	4.92	33.51	400	246	AVERAGE																																																																																																												



Mode	3																																																																																																																																																																																	
	Harmonic																																																																																																																																																																																	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																																																																																	
ANT	17																																																																																																																																																																																	
Pol.	Horizontal						Horizontal																																																																																																																																																																											
Peak Avg	Level (dBuV/m) Date: 2024-10-19 <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th rowspan="2">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></th><th></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>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4960.00</td><td>44.98</td><td>74.00</td><td>-29.02</td><td>68.01</td><td>34.45</td><td>7.81</td><td>65.29</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>20.19</td><td>74.00</td><td>-53.81</td><td>43.22</td><td>34.45</td><td>7.81</td><td>65.29</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>43.61</td><td>54.00</td><td>-10.39</td><td>63.55</td><td>35.41</td><td>9.19</td><td>64.54</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>18.63</td><td>54.00</td><td>-35.37</td><td>38.57</td><td>35.41</td><td>9.19</td><td>64.54</td><td>--</td><td>--</td><td>Average</td></tr></table>								Limit		Read		Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			1	4960.00	44.98	74.00	-29.02	68.01	34.45	7.81	65.29	--	--	Peak	2	4960.00	20.19	74.00	-53.81	43.22	34.45	7.81	65.29	--	--	Average	3	7440.00	43.61	54.00	-10.39	63.55	35.41	9.19	64.54	--	--	Peak	4	7440.00	18.63	54.00	-35.37	38.57	35.41	9.19	64.54	--	--	Average	Level (dBuV/m) Date: 2024-10-19 <table><tr><th colspan="2"></th><th colspan="2">Limit</th><th colspan="2">Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>APos</th><th>TPos</th><th rowspan="2">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></th><th></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>cm</th><th>deg</th><th></th><th></th></tr><tr><td>1</td><td>4960.00</td><td>44.98</td><td>74.00</td><td>-29.02</td><td>68.01</td><td>34.45</td><td>7.81</td><td>65.29</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>20.19</td><td>74.00</td><td>-53.81</td><td>43.22</td><td>34.45</td><td>7.81</td><td>65.29</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>43.61</td><td>54.00</td><td>-10.39</td><td>63.55</td><td>35.41</td><td>9.19</td><td>64.54</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>18.63</td><td>54.00</td><td>-35.37</td><td>38.57</td><td>35.41</td><td>9.19</td><td>64.54</td><td>--</td><td>--</td><td>Average</td></tr></table>								Limit		Read		Ant	Cable	Preamp	APos	TPos	Remark	Freq	Level	Line	Margin	Level	Factor	Loss	Factor				MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg			1	4960.00	44.98	74.00	-29.02	68.01	34.45	7.81	65.29	--	--	Peak	2	4960.00	20.19	74.00	-53.81	43.22	34.45	7.81	65.29	--	--	Average	3	7440.00	43.61	54.00	-10.39	63.55	35.41	9.19	64.54	--	--	Peak	4	7440.00	18.63	54.00	-35.37	38.57	35.41	9.19	64.54	--	--	Average
			Limit		Read		Ant	Cable	Preamp	APos	TPos	Remark																																																																																																																																																																						
Freq	Level	Line	Margin	Level	Factor	Loss	Factor																																																																																																																																																																											
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																																																									
1	4960.00	44.98	74.00	-29.02	68.01	34.45	7.81	65.29	--	--	Peak																																																																																																																																																																							
2	4960.00	20.19	74.00	-53.81	43.22	34.45	7.81	65.29	--	--	Average																																																																																																																																																																							
3	7440.00	43.61	54.00	-10.39	63.55	35.41	9.19	64.54	--	--	Peak																																																																																																																																																																							
4	7440.00	18.63	54.00	-35.37	38.57	35.41	9.19	64.54	--	--	Average																																																																																																																																																																							
		Limit		Read		Ant	Cable	Preamp	APos	TPos	Remark																																																																																																																																																																							
Freq	Level	Line	Margin	Level	Factor	Loss	Factor																																																																																																																																																																											
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																																																																																																																									
1	4960.00	44.98	74.00	-29.02	68.01	34.45	7.81	65.29	--	--	Peak																																																																																																																																																																							
2	4960.00	20.19	74.00	-53.81	43.22	34.45	7.81	65.29	--	--	Average																																																																																																																																																																							
3	7440.00	43.61	54.00	-10.39	63.55	35.41	9.19	64.54	--	--	Peak																																																																																																																																																																							
4	7440.00	18.63	54.00	-35.37	38.57	35.41	9.19	64.54	--	--	Average																																																																																																																																																																							

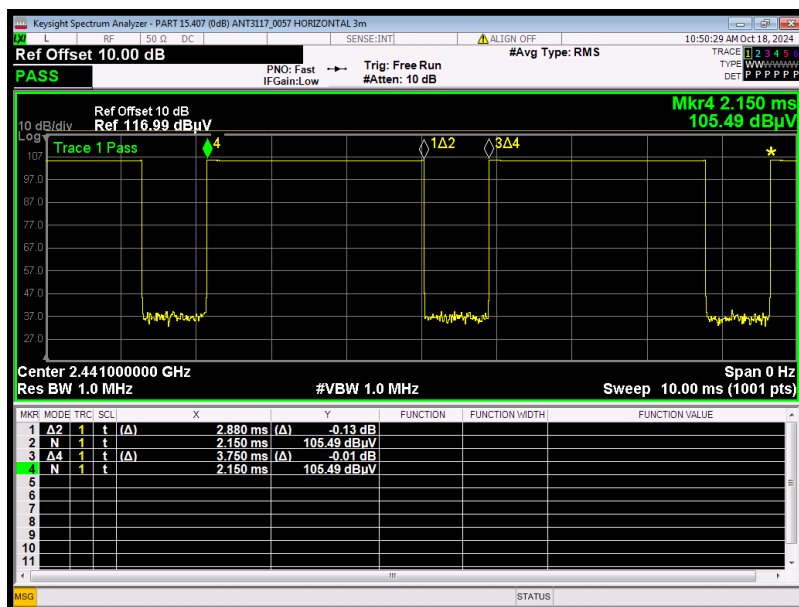


Mode	4																																																																																																																																																																																																																											
	LF																																																																																																																																																																																																																											
	2400-2483.5_Bluetooth BR_GFSK-LF_CH78_2480MHz																																																																																																																																																																																																																											
ANT	17																																																																																																																																																																																																																											
Pol.	Horizontal						Vertical																																																																																																																																																																																																																					
QP/ Peak																																																																																																																																																																																																																												
	<table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</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></th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>56.19</td><td>20.05</td><td>40.00</td><td>-19.95</td><td>34.93</td><td>19.26</td><td>0.76</td><td>34.90</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>142.52</td><td>24.81</td><td>43.50</td><td>-18.69</td><td>39.93</td><td>18.35</td><td>1.25</td><td>34.72</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>278.32</td><td>24.54</td><td>46.00</td><td>-21.46</td><td>39.00</td><td>18.45</td><td>1.73</td><td>34.64</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>349.13</td><td>28.91</td><td>46.00</td><td>-17.09</td><td>41.37</td><td>20.20</td><td>1.94</td><td>34.60</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>580.96</td><td>26.61</td><td>46.00</td><td>-19.39</td><td>33.25</td><td>25.36</td><td>2.56</td><td>34.56</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>859.35</td><td>29.78</td><td>46.00</td><td>-16.22</td><td>32.20</td><td>28.77</td><td>3.11</td><td>34.30</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr></tbody></table>							Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB		dBuV	dB/m	dB	dB	cm	deg		1	56.19	20.05	40.00	-19.95	34.93	19.26	0.76	34.90	--	--	--	Peak	2	142.52	24.81	43.50	-18.69	39.93	18.35	1.25	34.72	--	--	--	Peak	3	278.32	24.54	46.00	-21.46	39.00	18.45	1.73	34.64	--	--	--	Peak	4	349.13	28.91	46.00	-17.09	41.37	20.20	1.94	34.60	--	--	--	Peak	5	580.96	26.61	46.00	-19.39	33.25	25.36	2.56	34.56	--	--	--	Peak	6	859.35	29.78	46.00	-16.22	32.20	28.77	3.11	34.30	--	--	--	Peak	<table><thead><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</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></th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>33.88</td><td>23.98</td><td>40.00</td><td>-16.02</td><td>39.82</td><td>18.46</td><td>0.57</td><td>34.87</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>141.55</td><td>25.03</td><td>43.50</td><td>-18.47</td><td>40.23</td><td>18.27</td><td>1.25</td><td>34.72</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>198.78</td><td>22.84</td><td>43.50</td><td>-20.66</td><td>40.01</td><td>16.05</td><td>1.48</td><td>34.70</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>561.56</td><td>25.41</td><td>46.00</td><td>-20.59</td><td>32.78</td><td>24.63</td><td>2.52</td><td>34.52</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>671.17</td><td>28.82</td><td>46.00</td><td>-17.18</td><td>33.92</td><td>26.61</td><td>2.75</td><td>34.46</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>844.80</td><td>31.81</td><td>46.00</td><td>-14.19</td><td>34.31</td><td>28.71</td><td>3.09</td><td>34.30</td><td>--</td><td>--</td><td>--</td><td>Peak</td></tr></tbody></table>							Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB		dBuV	dB/m	dB	dB	cm	deg		1	33.88	23.98	40.00	-16.02	39.82	18.46	0.57	34.87	--	--	--	Peak	2	141.55	25.03	43.50	-18.47	40.23	18.27	1.25	34.72	--	--	--	Peak	3	198.78	22.84	43.50	-20.66	40.01	16.05	1.48	34.70	--	--	--	Peak	4	561.56	25.41	46.00	-20.59	32.78	24.63	2.52	34.52	--	--	--	Peak	5	671.17	28.82	46.00	-17.18	33.92	26.61	2.75	34.46	--	--	--	Peak	6	844.80	31.81	46.00	-14.19	34.31	28.71	3.09	34.30	--	--	--	Peak
		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark																																																																																																																																																																																																															
	MHz	dBuV/m	dBuV/m	dB		dBuV	dB/m	dB	dB	cm	deg																																																																																																																																																																																																																	
1	56.19	20.05	40.00	-19.95	34.93	19.26	0.76	34.90	--	--	--	Peak																																																																																																																																																																																																																
2	142.52	24.81	43.50	-18.69	39.93	18.35	1.25	34.72	--	--	--	Peak																																																																																																																																																																																																																
3	278.32	24.54	46.00	-21.46	39.00	18.45	1.73	34.64	--	--	--	Peak																																																																																																																																																																																																																
4	349.13	28.91	46.00	-17.09	41.37	20.20	1.94	34.60	--	--	--	Peak																																																																																																																																																																																																																
5	580.96	26.61	46.00	-19.39	33.25	25.36	2.56	34.56	--	--	--	Peak																																																																																																																																																																																																																
6	859.35	29.78	46.00	-16.22	32.20	28.77	3.11	34.30	--	--	--	Peak																																																																																																																																																																																																																
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	APos	TPos	Remark																																																																																																																																																																																																																
	MHz	dBuV/m	dBuV/m	dB		dBuV	dB/m	dB	dB	cm	deg																																																																																																																																																																																																																	
1	33.88	23.98	40.00	-16.02	39.82	18.46	0.57	34.87	--	--	--	Peak																																																																																																																																																																																																																
2	141.55	25.03	43.50	-18.47	40.23	18.27	1.25	34.72	--	--	--	Peak																																																																																																																																																																																																																
3	198.78	22.84	43.50	-20.66	40.01	16.05	1.48	34.70	--	--	--	Peak																																																																																																																																																																																																																
4	561.56	25.41	46.00	-20.59	32.78	24.63	2.52	34.52	--	--	--	Peak																																																																																																																																																																																																																
5	671.17	28.82	46.00	-17.18	33.92	26.61	2.75	34.46	--	--	--	Peak																																																																																																																																																																																																																
6	844.80	31.81	46.00	-14.19	34.31	28.71	3.09	34.30	--	--	--	Peak																																																																																																																																																																																																																

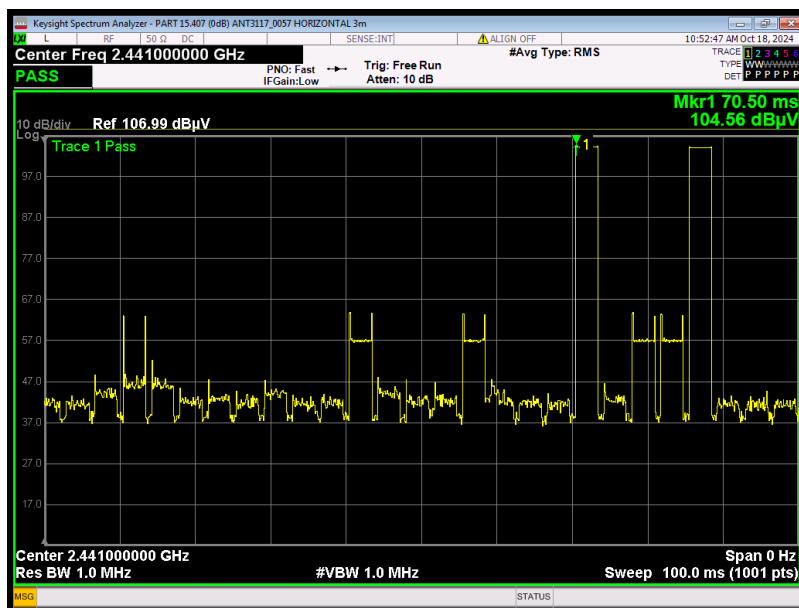


Appendix D. Duty Cycle Plots

DH5 on time (One Pulse) Plot on Channel 39



DH5 on time (Count Pulses) Plot on Channel 39



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.