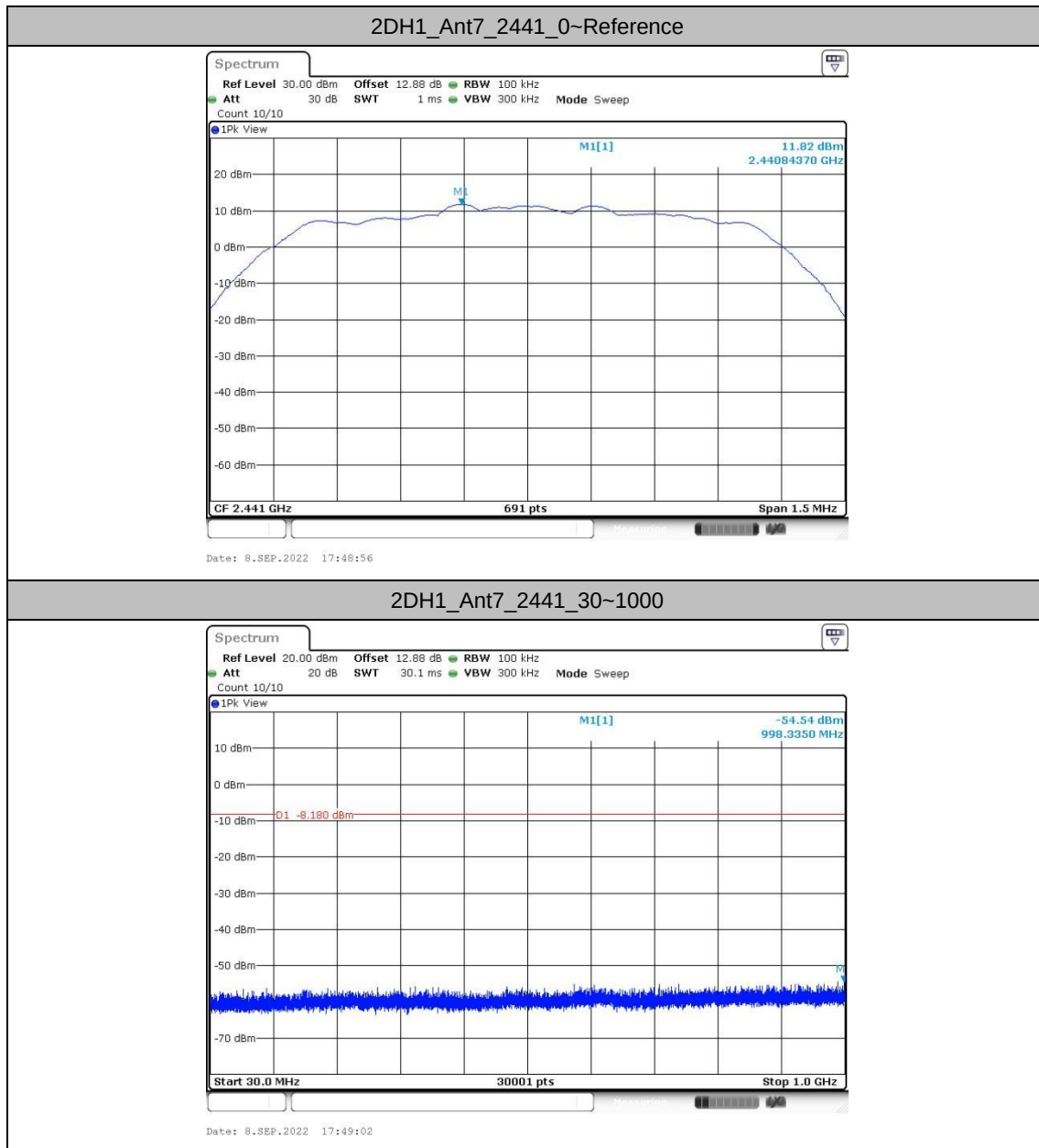
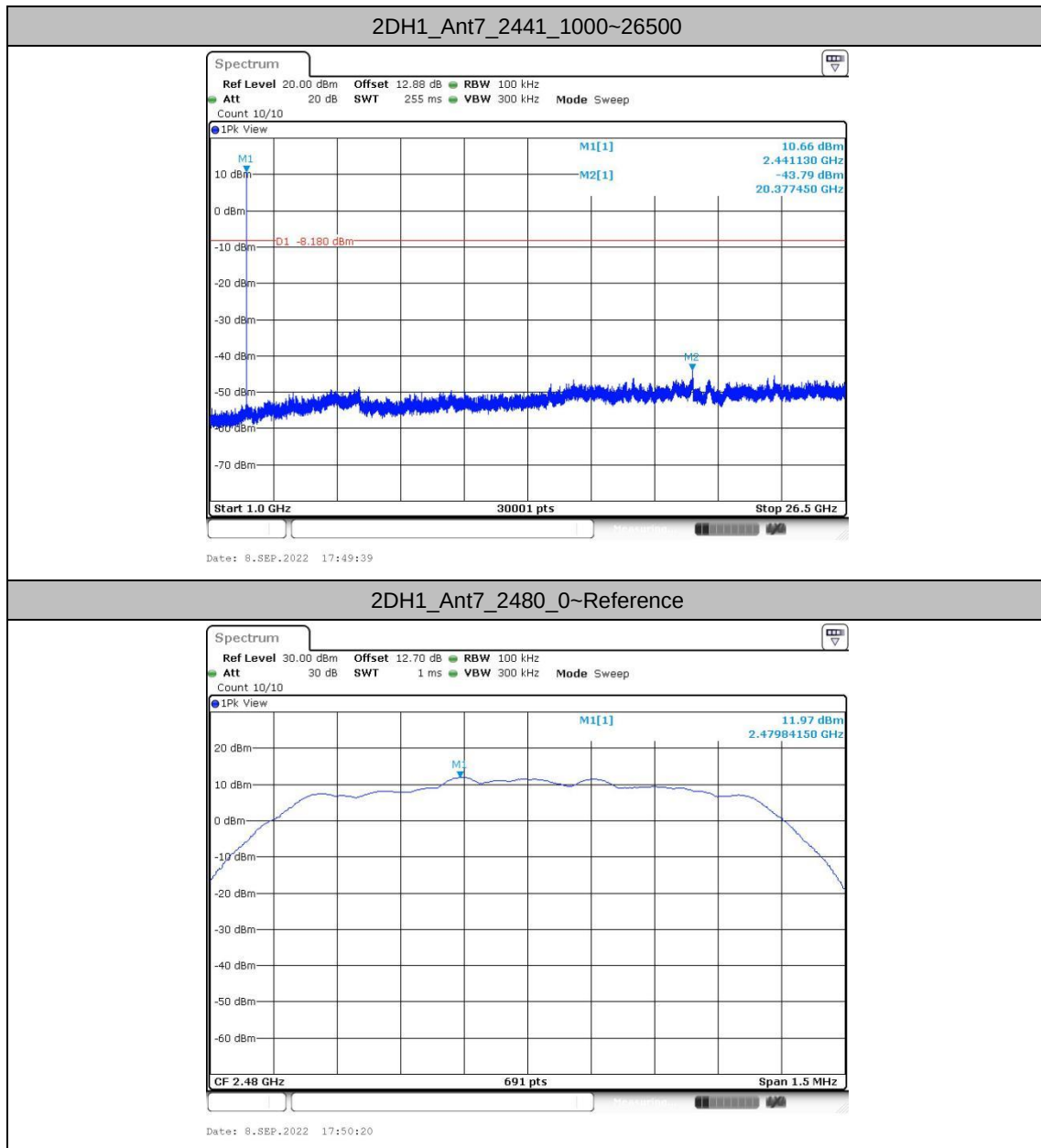
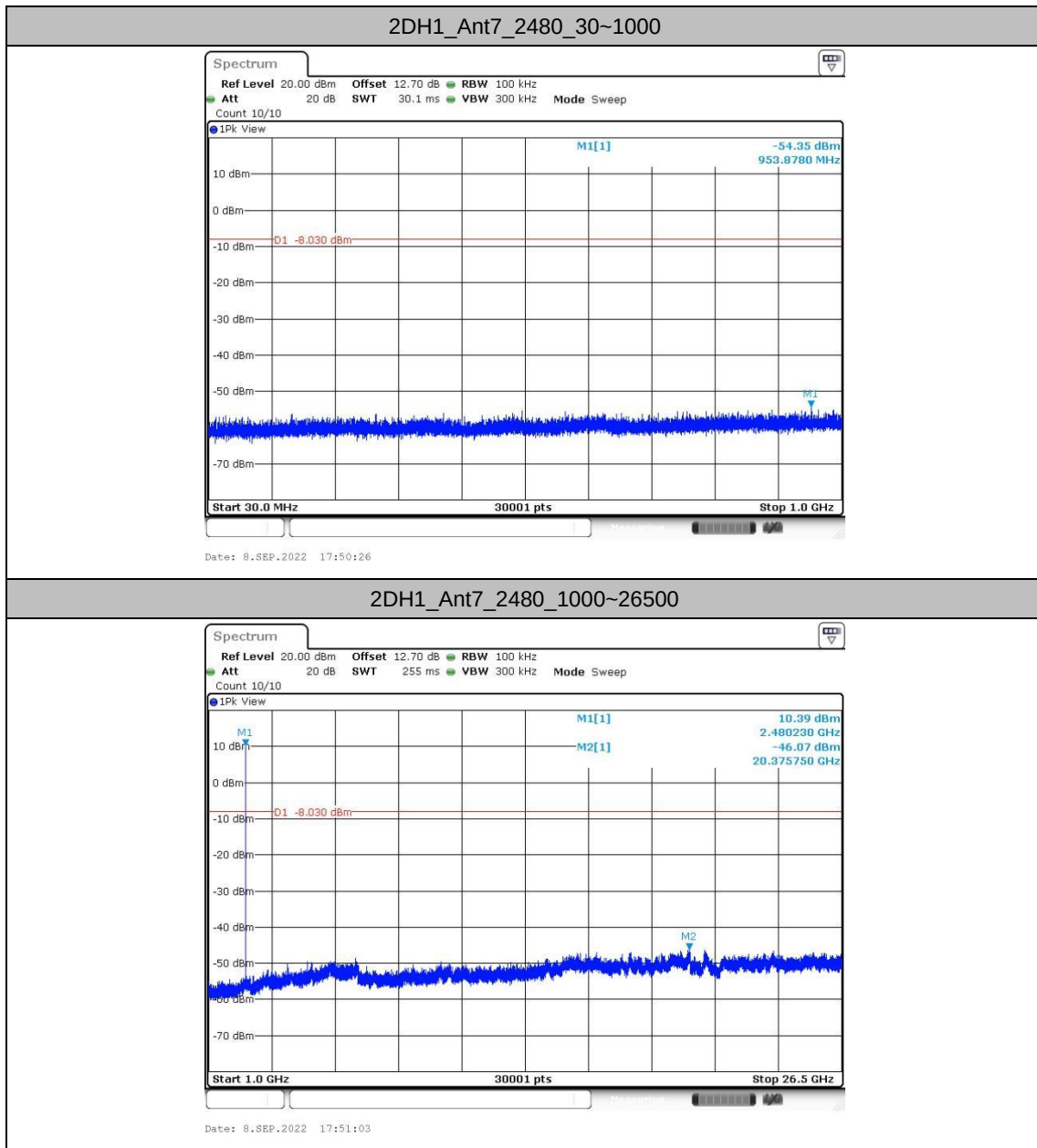
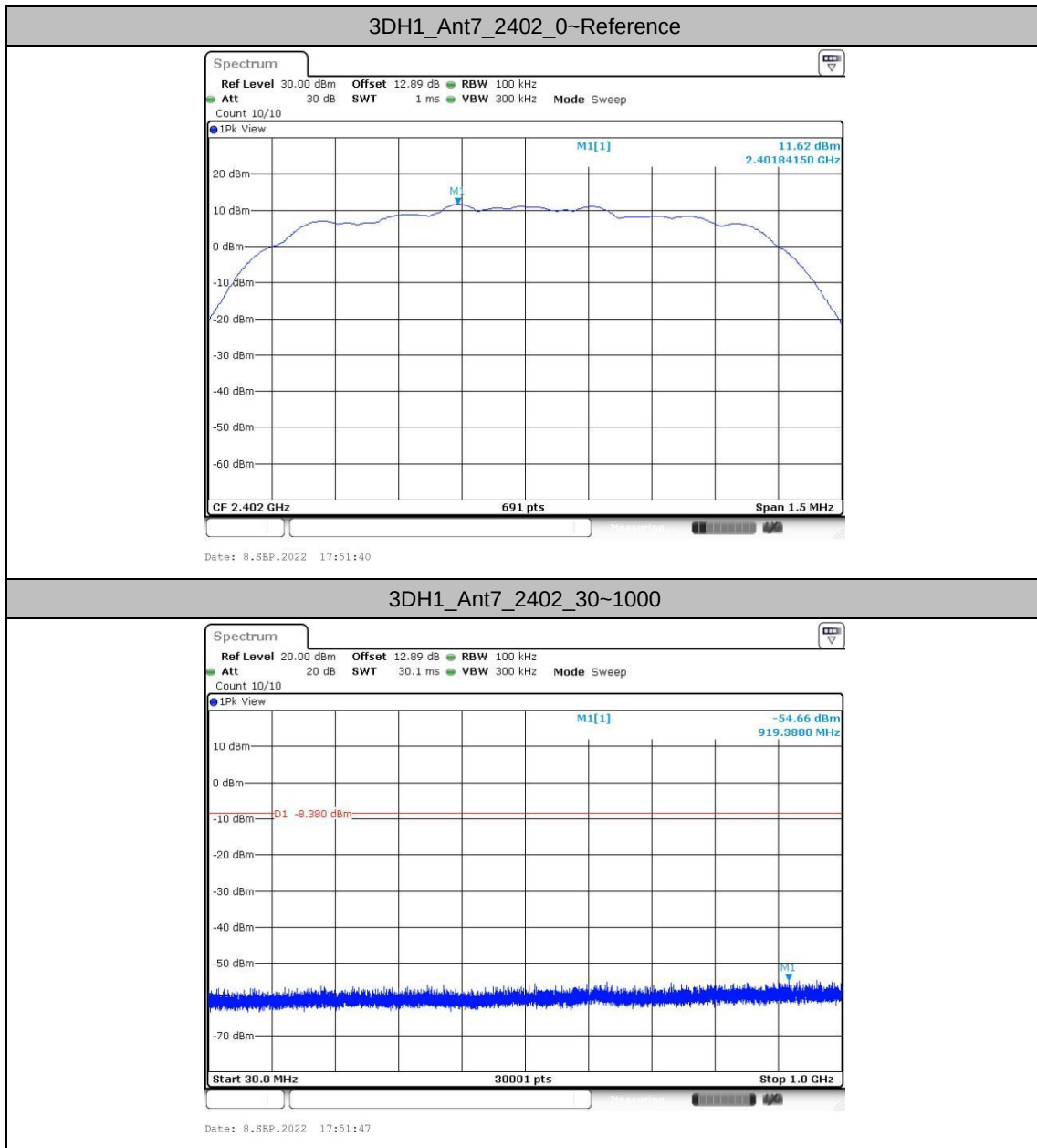
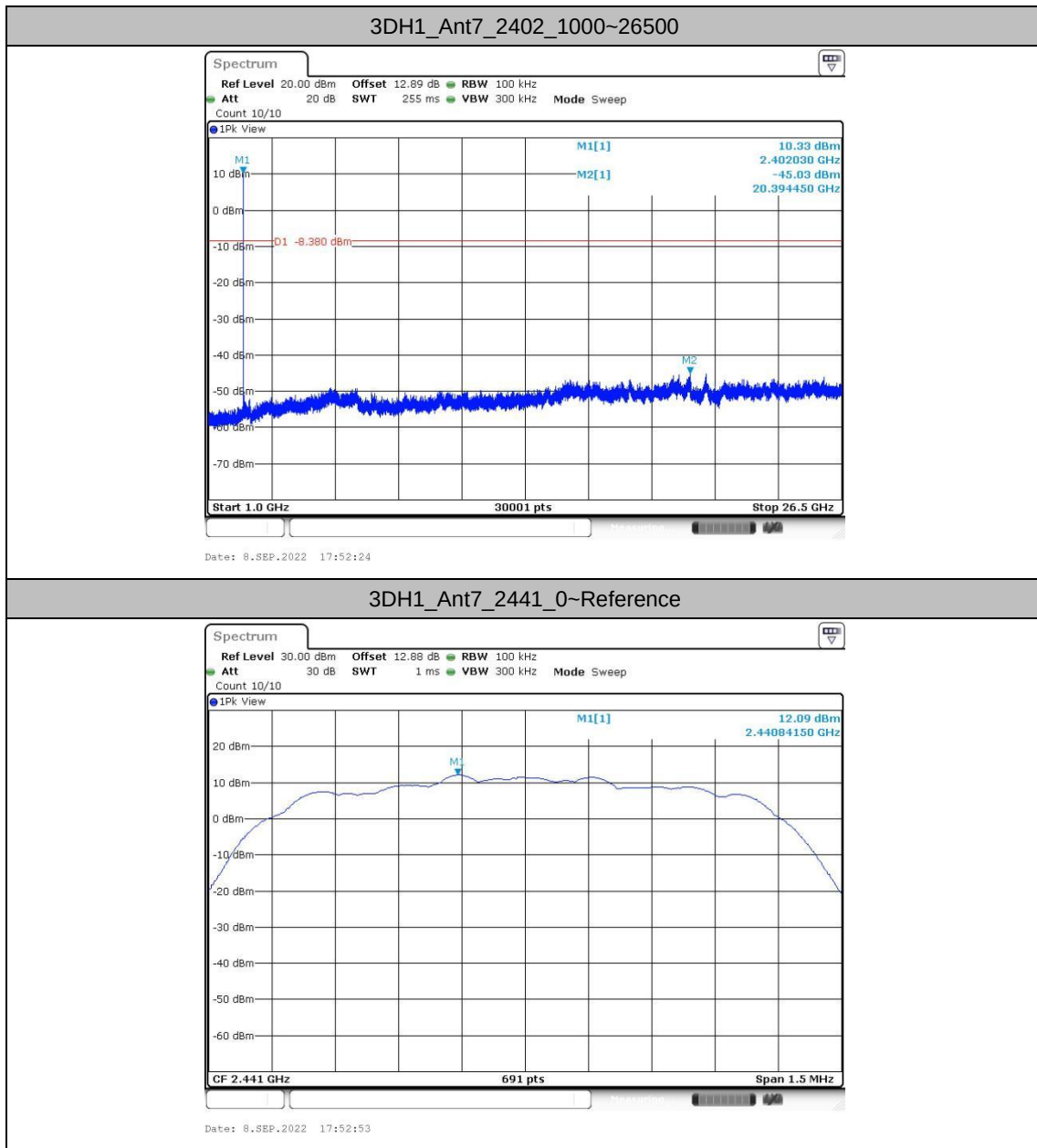


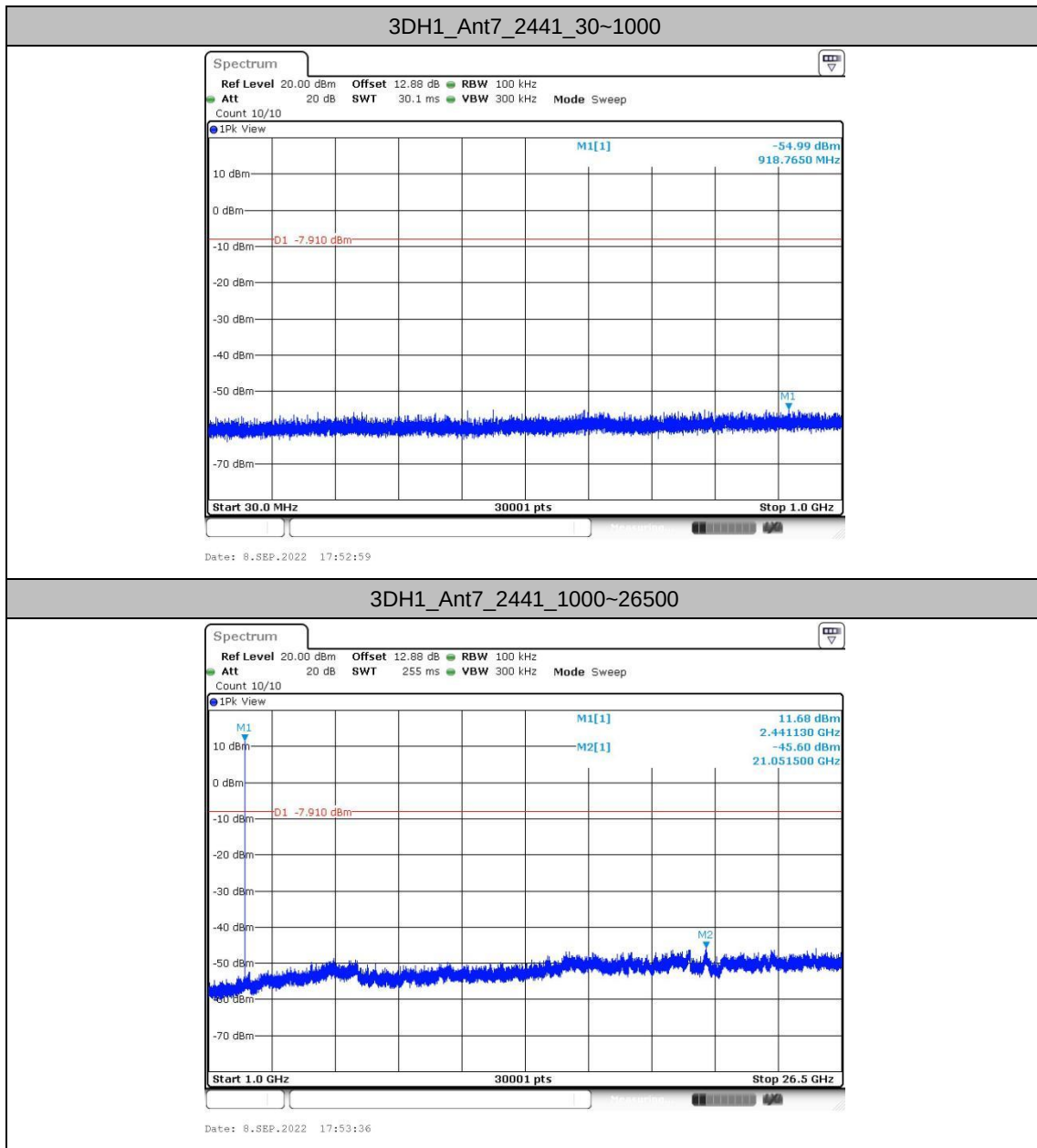


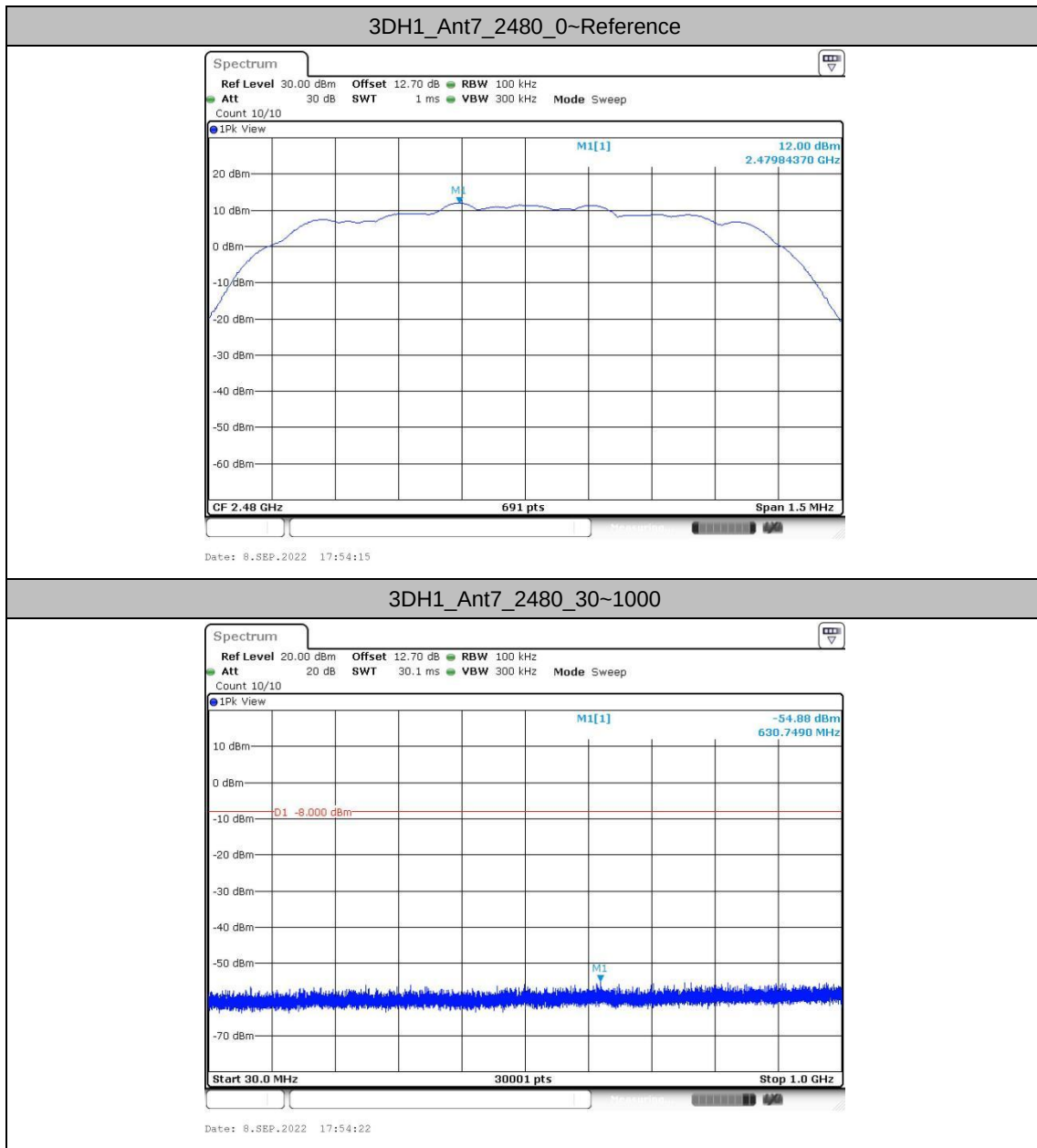


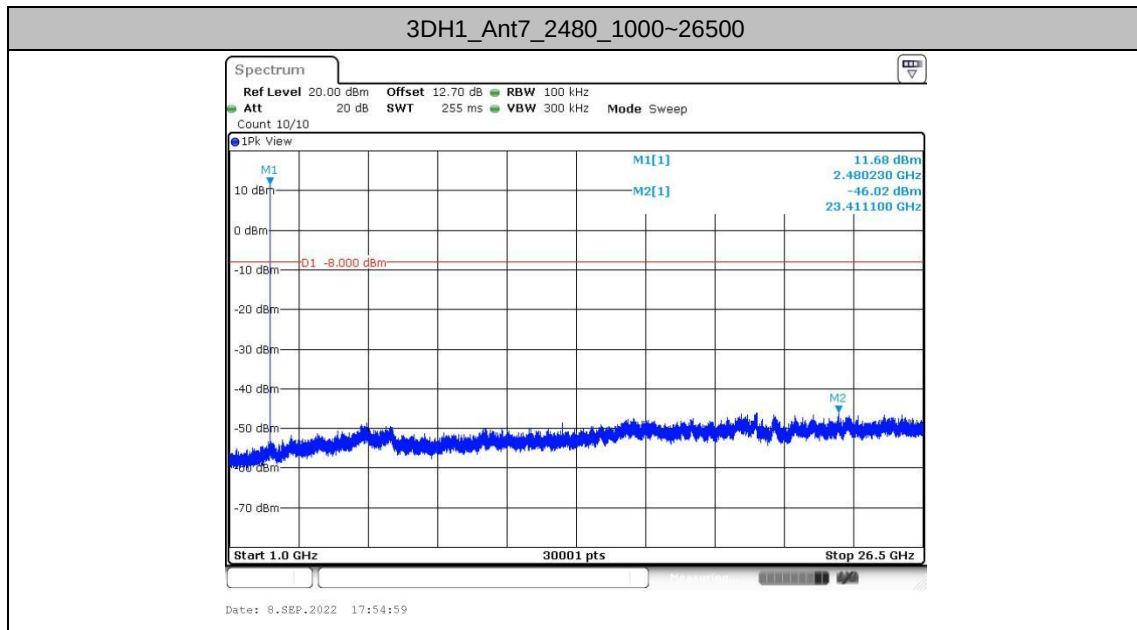








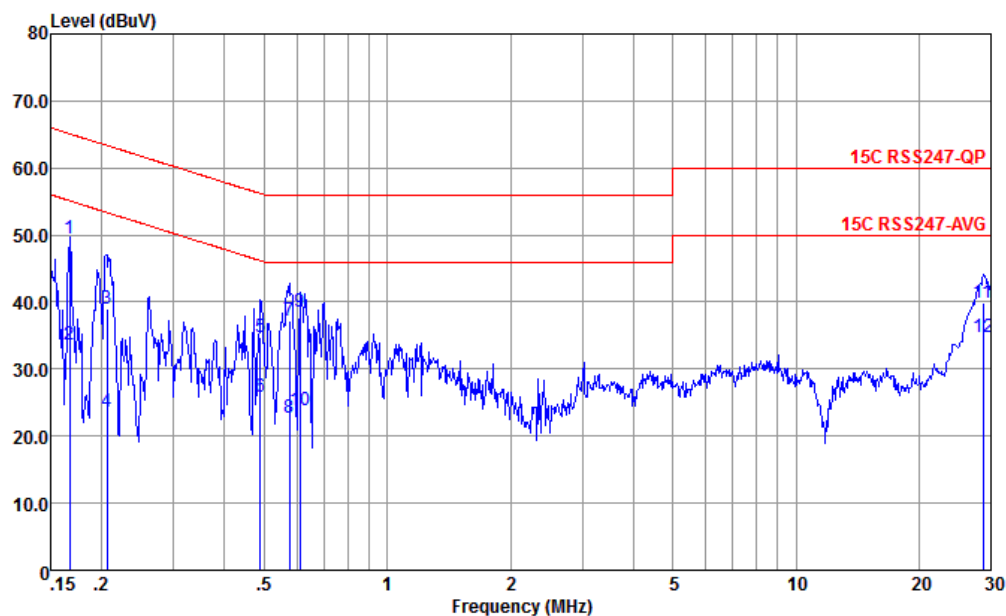






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

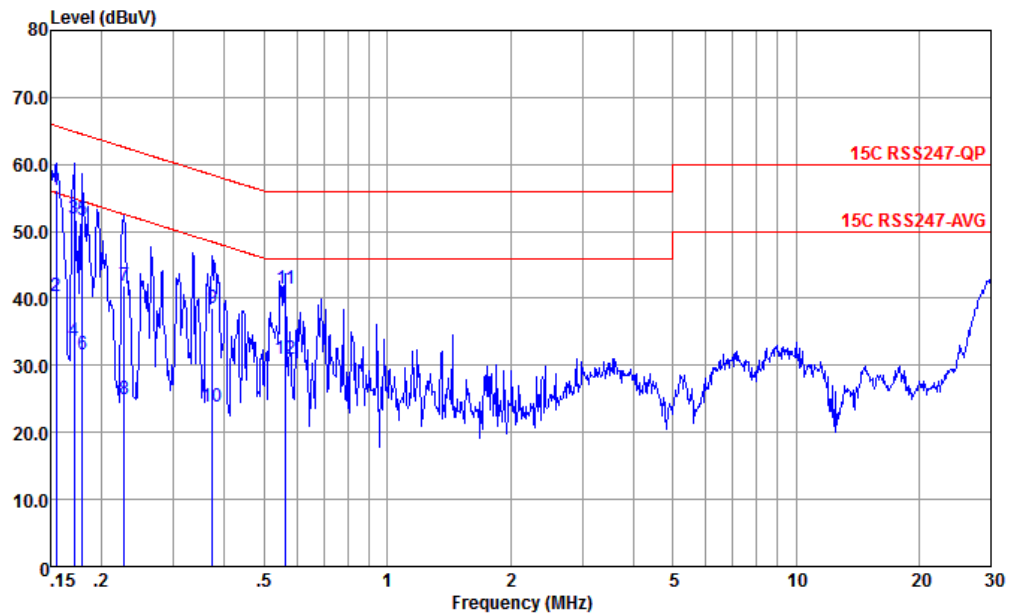


Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-L LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.167	49.56	-15.56	65.12	39.09	0.03	10.44	QP
2	0.167	33.66	-21.46	55.12	23.19	0.03	10.44	Average
3	0.206	39.00	-24.36	63.36	28.60	0.04	10.36	QP
4	0.206	23.70	-29.66	53.36	13.30	0.04	10.36	Average
5	0.489	34.84	-21.35	56.19	24.50	0.10	10.24	QP
6	0.489	25.94	-20.25	46.19	15.60	0.10	10.24	Average
7	0.576	37.14	-18.86	56.00	26.80	0.10	10.24	QP
8	0.576	22.84	-23.16	46.00	12.50	0.10	10.24	Average
9	0.611	38.64	-17.46	56.00	28.19	0.11	10.24	QP
10	0.611	23.84	-22.16	46.00	13.49	0.11	10.24	Average
11	28.755	39.98	-20.02	60.00	28.60	0.77	10.61	QP
12 *	28.755	34.68	-15.32	50.00	23.30	0.77	10.61	Average



Test Engineer :	Amos	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS

Condition : 15C RSS247-QP LISN-060105-N NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.155	56.07	-9.67	65.74	45.49	0.11	10.47	QP
2	0.155	40.37	-15.37	55.74	29.79	0.11	10.47	Average
3	0.171	52.03	-12.87	64.90	41.49	0.11	10.43	QP
4	0.171	33.73	-21.17	54.90	23.19	0.11	10.43	Average
5	0.180	51.71	-12.79	64.50	41.20	0.10	10.41	QP
6	0.180	31.71	-22.79	54.50	21.20	0.10	10.41	Average
7	0.227	41.95	-20.62	62.57	31.50	0.10	10.35	QP
8	0.227	24.95	-27.62	52.57	14.50	0.10	10.35	Average
9	0.373	38.58	-19.85	58.43	28.20	0.10	10.28	QP
10	0.373	23.88	-24.55	48.43	13.50	0.10	10.28	Average
11	0.564	41.55	-14.45	56.00	31.20	0.11	10.24	QP
12	0.564	30.95	-15.05	46.00	20.60	0.11	10.24	Average

Note:

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



Appendix C. Radiated Spurious Emission

Test Engineer :	Carry Xu	Relative Humidity :	41~42%
		Temperature :	22~23℃

Radiated Spurious Emission Test Modes

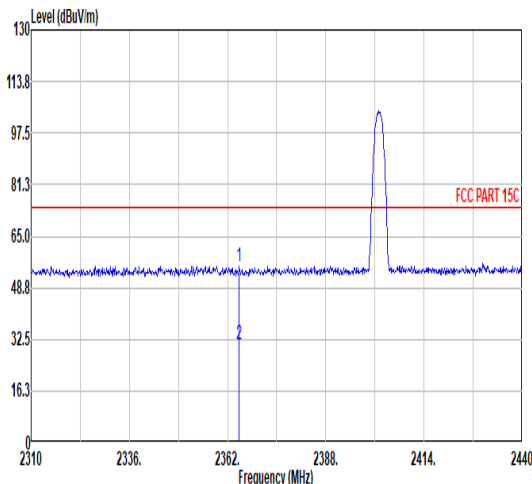
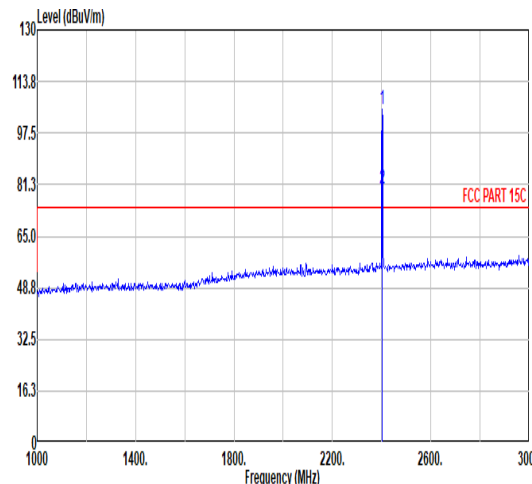
Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	7	Bluetooth BR_GFSK	00	2402	1Mbps	-	-
Mode 2	2400-2483.5	7	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	7	Bluetooth BR_GFSK	78	2480	1Mbps	-	-
Mode 27	2400-2483.5	7	Bluetooth LF	78	2480	1Mbps	-	-



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	00	2372.01	55.72	74.00	-18.28	V	PEAK	Pass	Band Edge
2	Bluetooth BR_GFSK	39	4882.00	48.41	74.00	-25.59	V	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2491.50	56.59	74.00	-17.41	V	PEAK	Pass	Band Edge
27	Bluetooth LF	-	-	-	-	-	-	-	Pass	-

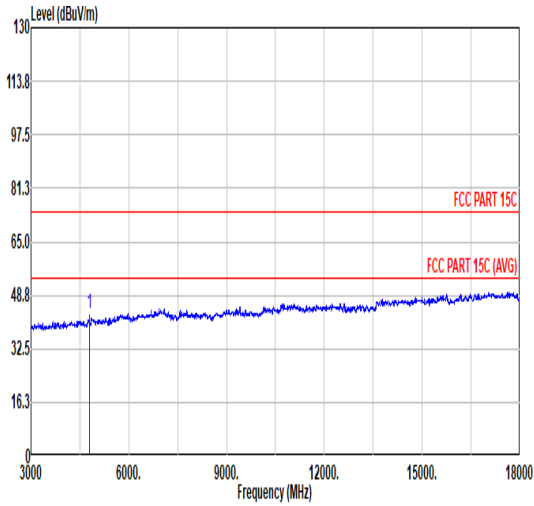
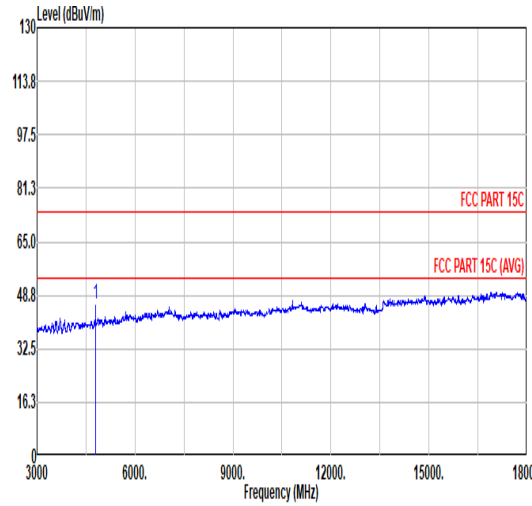


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	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																	
ANT	7																																																																	
Pol.	Horizontal																																																																	
Peak																																																																		
	<table><tr><th></th><th>Limit</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th></th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</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>2365.12</td><td>55.63</td><td>74.00</td><td>-18.37</td><td>41.54</td><td>31.92</td><td>7.08</td><td>30.91</td><td>6.00</td><td>100</td><td>62 PEAK</td></tr><tr><td>2</td><td>2365.12</td><td>30.84</td><td>54.00</td><td>-23.16</td><td>16.75</td><td>31.92</td><td>7.08</td><td>30.91</td><td>6.00</td><td>100</td><td>62 AVERAGE</td></tr></table>												Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2365.12	55.63	74.00	-18.37	41.54	31.92	7.08	30.91	6.00	100	62 PEAK	2	2365.12	30.84	54.00	-23.16	16.75	31.92	7.08	30.91	6.00	100	62 AVERAGE
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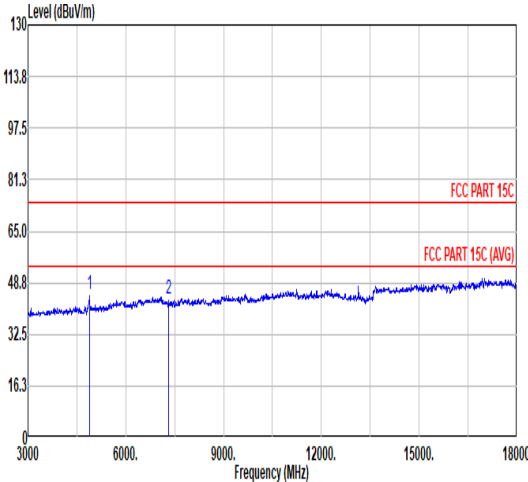
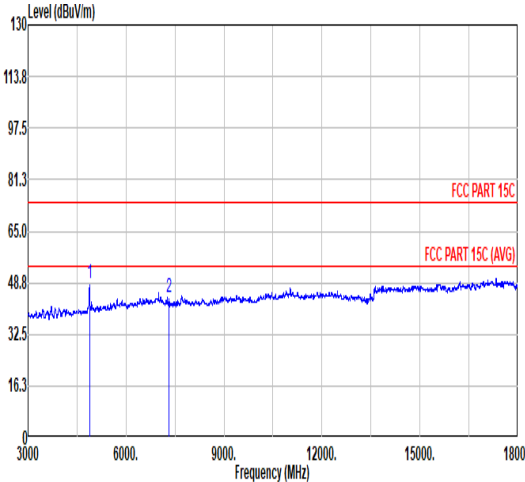


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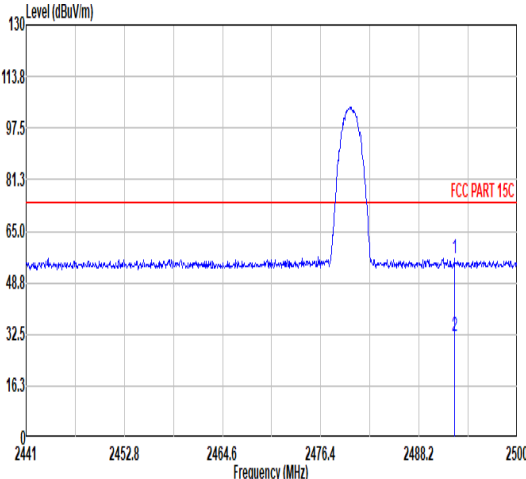
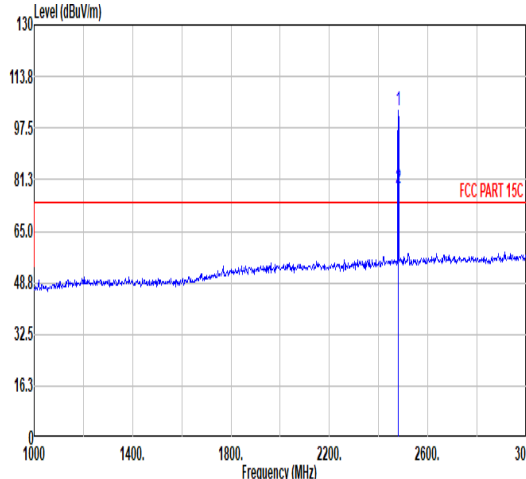


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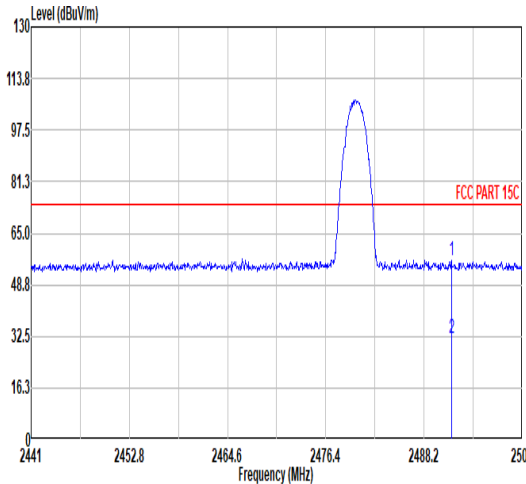
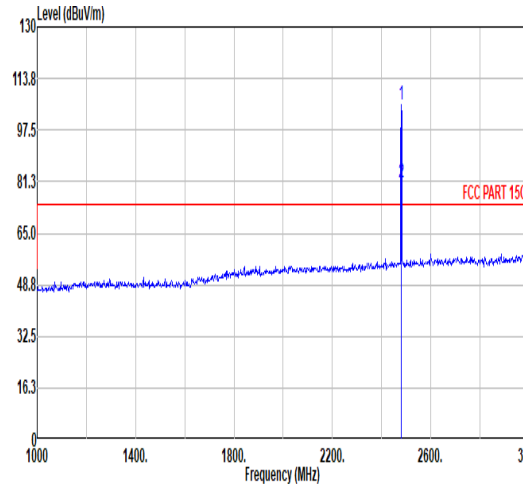


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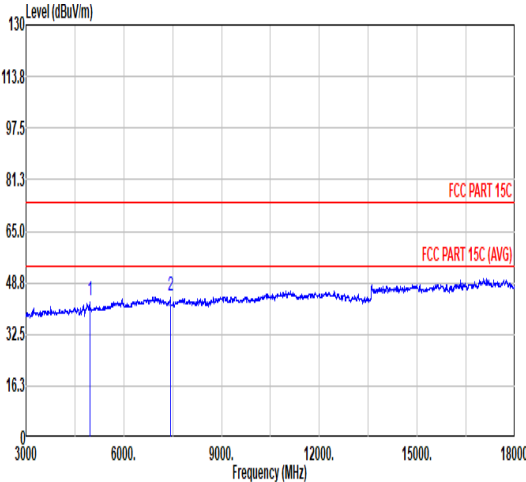
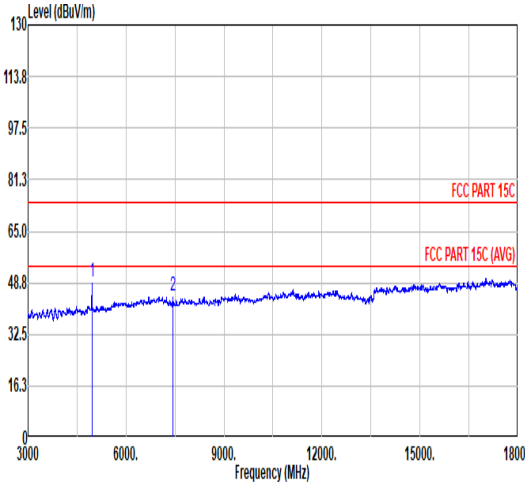


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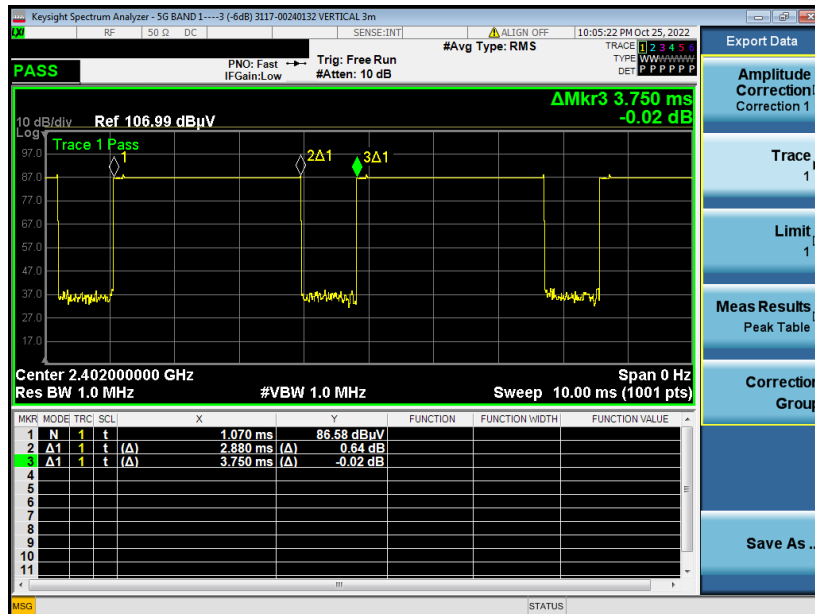
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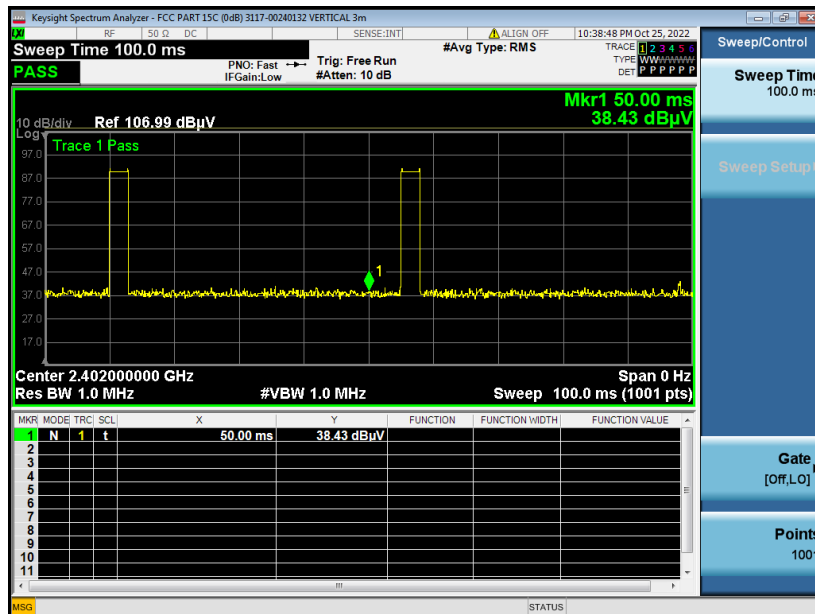
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Peak QP	Data: 27 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>53.28</td><td>32.08</td><td>-7.92</td><td>40.00</td><td>48.64</td><td>13.78</td><td>1.01</td><td>31.35</td><td>--- Peak HORIZONTAL</td></tr><tr><td>2</td><td>91.11</td><td>35.77</td><td>-7.73</td><td>43.50</td><td>51.35</td><td>14.96</td><td>1.35</td><td>31.89</td><td>--- Peak HORIZONTAL</td></tr><tr><td>3</td><td>157.07</td><td>36.80</td><td>-6.70</td><td>43.50</td><td>49.62</td><td>16.67</td><td>1.83</td><td>31.32</td><td>--- Peak HORIZONTAL</td></tr><tr><td>4</td><td>271.53</td><td>29.58</td><td>-16.42</td><td>46.00</td><td>39.53</td><td>19.24</td><td>2.29</td><td>31.48</td><td>--- Peak HORIZONTAL</td></tr><tr><td>5</td><td>356.89</td><td>24.93</td><td>-21.07</td><td>46.00</td><td>32.95</td><td>20.78</td><td>2.79</td><td>31.59</td><td>--- Peak HORIZONTAL</td></tr><tr><td>6</td><td>786.60</td><td>31.28</td><td>-14.72</td><td>46.00</td><td>30.30</td><td>28.00</td><td>4.18</td><td>31.20</td><td>--- Peak HORIZONTAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		1	53.28	32.08	-7.92	40.00	48.64	13.78	1.01	31.35	--- Peak HORIZONTAL	2	91.11	35.77	-7.73	43.50	51.35	14.96	1.35	31.89	--- Peak HORIZONTAL	3	157.07	36.80	-6.70	43.50	49.62	16.67	1.83	31.32	--- Peak HORIZONTAL	4	271.53	29.58	-16.42	46.00	39.53	19.24	2.29	31.48	--- Peak HORIZONTAL	5	356.89	24.93	-21.07	46.00	32.95	20.78	2.79	31.59	--- Peak HORIZONTAL	6	786.60	31.28	-14.72	46.00	30.30	28.00	4.18	31.20	--- Peak HORIZONTAL	Data: 28 <table><tr><th>Freq</th><th>Level</th><th>Over</th><th>Limit</th><th>ReadAntenna</th><th>Cable Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dB</th><th>dBuV/m</th><th>dBuV</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>53.28</td><td>32.48</td><td>-7.52</td><td>40.00</td><td>49.04</td><td>13.78</td><td>1.01</td><td>31.35</td><td>--- Peak VERTICAL</td></tr><tr><td>2</td><td>92.08</td><td>30.60</td><td>-12.90</td><td>43.50</td><td>46.07</td><td>15.08</td><td>1.35</td><td>31.90</td><td>--- Peak VERTICAL</td></tr><tr><td>3</td><td>158.04</td><td>32.48</td><td>-11.02</td><td>43.50</td><td>45.34</td><td>16.62</td><td>1.84</td><td>31.32</td><td>--- Peak VERTICAL</td></tr><tr><td>4</td><td>162.89</td><td>32.03</td><td>-11.47</td><td>43.50</td><td>45.18</td><td>16.32</td><td>1.86</td><td>31.33</td><td>--- Peak VERTICAL</td></tr><tr><td>5</td><td>199.08</td><td>31.98</td><td>-11.52</td><td>43.50</td><td>46.25</td><td>15.05</td><td>2.02</td><td>31.34</td><td>--- Peak VERTICAL</td></tr><tr><td>6</td><td>741.98</td><td>30.41</td><td>-15.59</td><td>46.00</td><td>30.14</td><td>27.34</td><td>4.05</td><td>31.12</td><td>--- Peak VERTICAL</td></tr></table>	Freq	Level	Over	Limit	ReadAntenna	Cable Preamp	A/Pos	T/Pos	Remark	Pol/Phas	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		1	53.28	32.48	-7.52	40.00	49.04	13.78	1.01	31.35	--- Peak VERTICAL	2	92.08	30.60	-12.90	43.50	46.07	15.08	1.35	31.90	--- Peak VERTICAL	3	158.04	32.48	-11.02	43.50	45.34	16.62	1.84	31.32	--- Peak VERTICAL	4	162.89	32.03	-11.47	43.50	45.18	16.32	1.86	31.33	--- Peak VERTICAL	5	199.08	31.98	-11.52	43.50	46.25	15.05	2.02	31.34	--- Peak VERTICAL	6	741.98	30.41	-15.59	46.00	30.14	27.34	4.05	31.12	--- Peak VERTICAL
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Appendix D. Duty Cycle Plots

3DH5 on time (One Pulse) Plot on Channel 39



3DH5 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. 3DH5 has the highest duty cycle worst case and is reported.