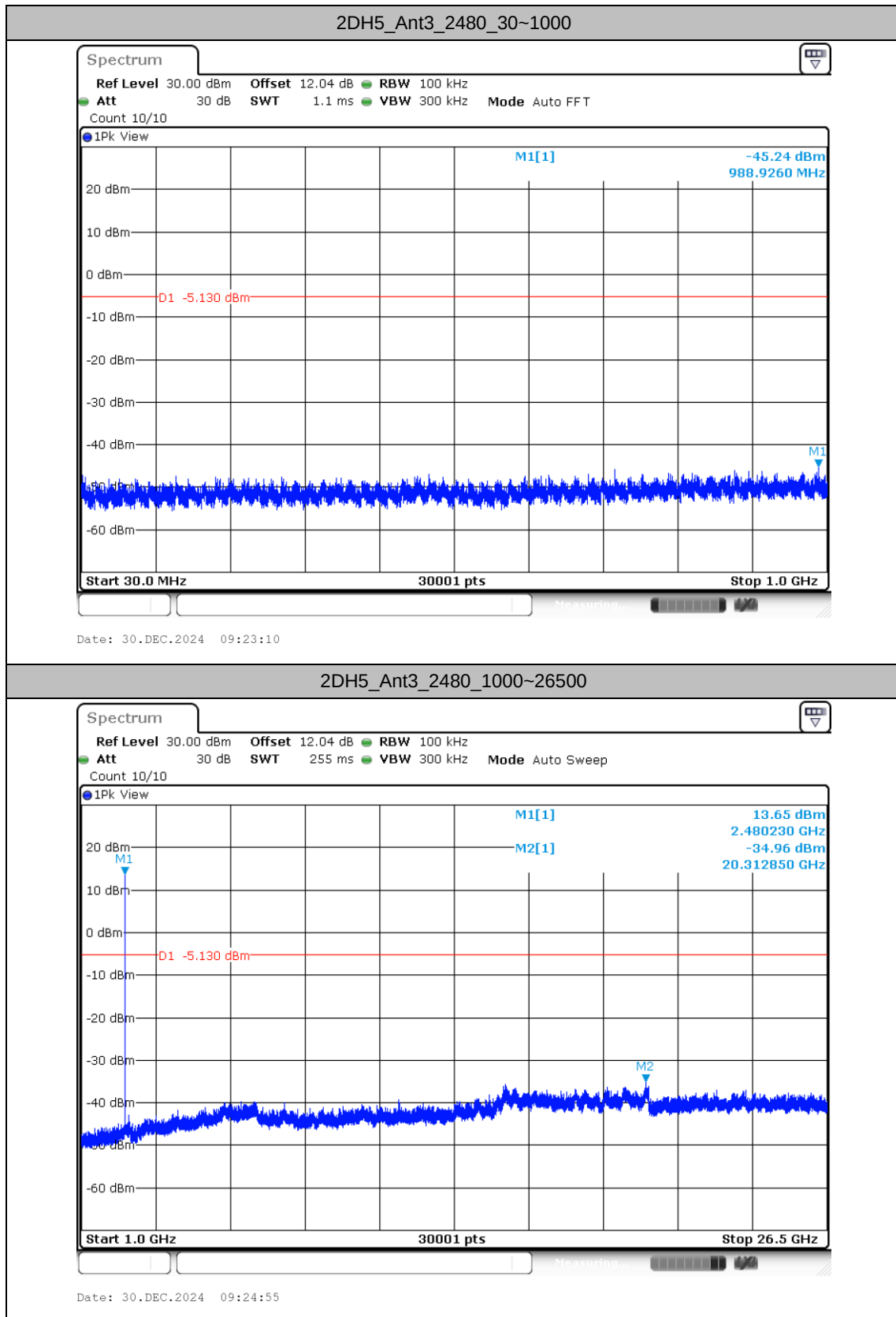
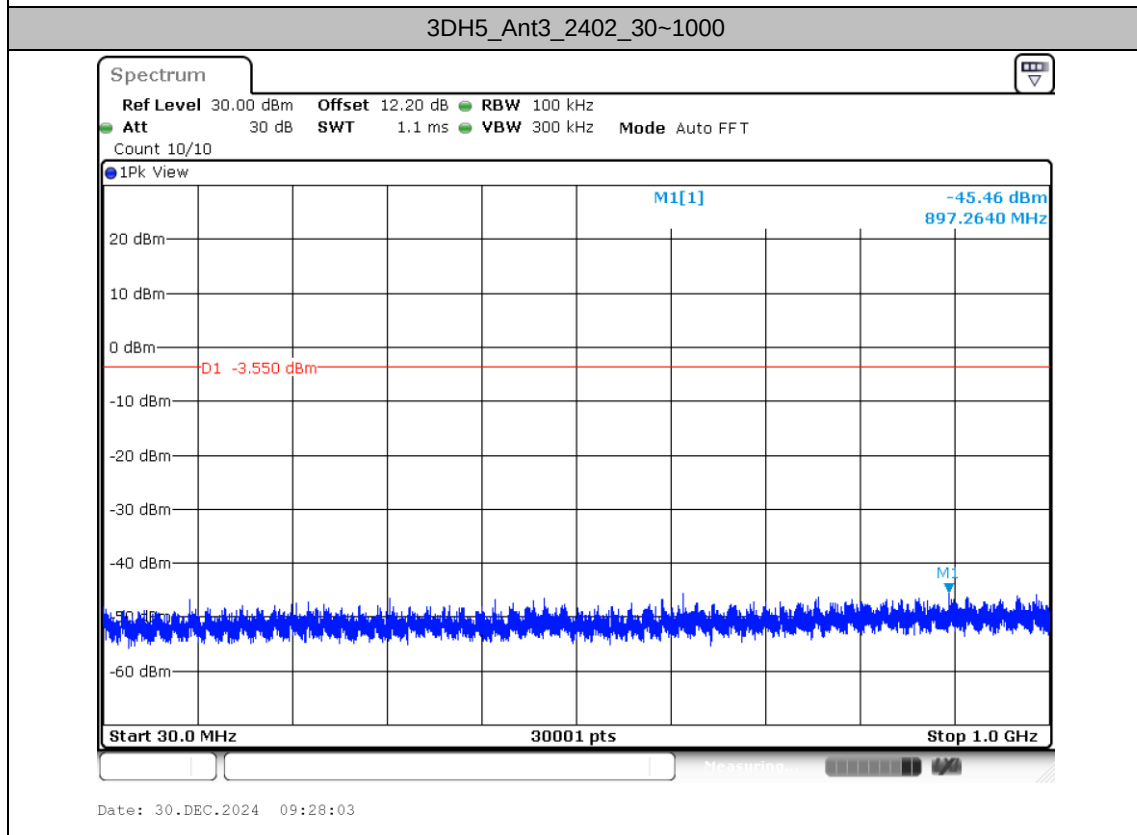
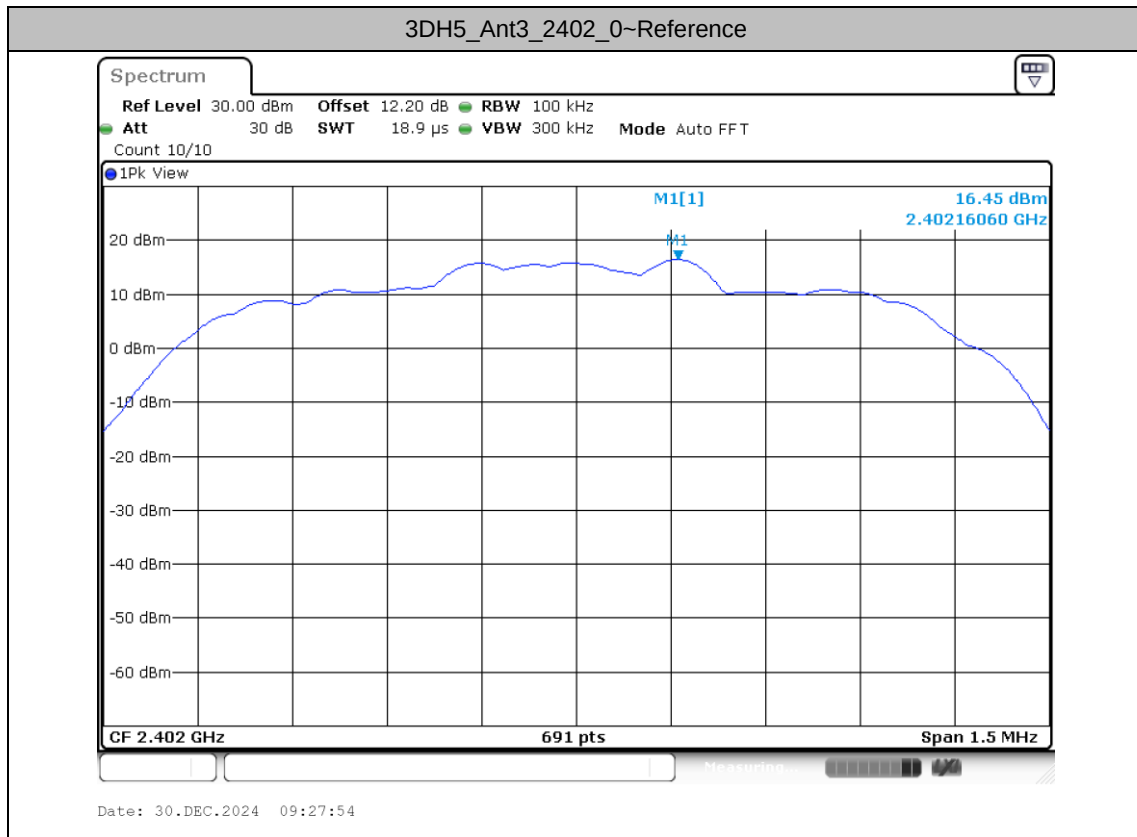
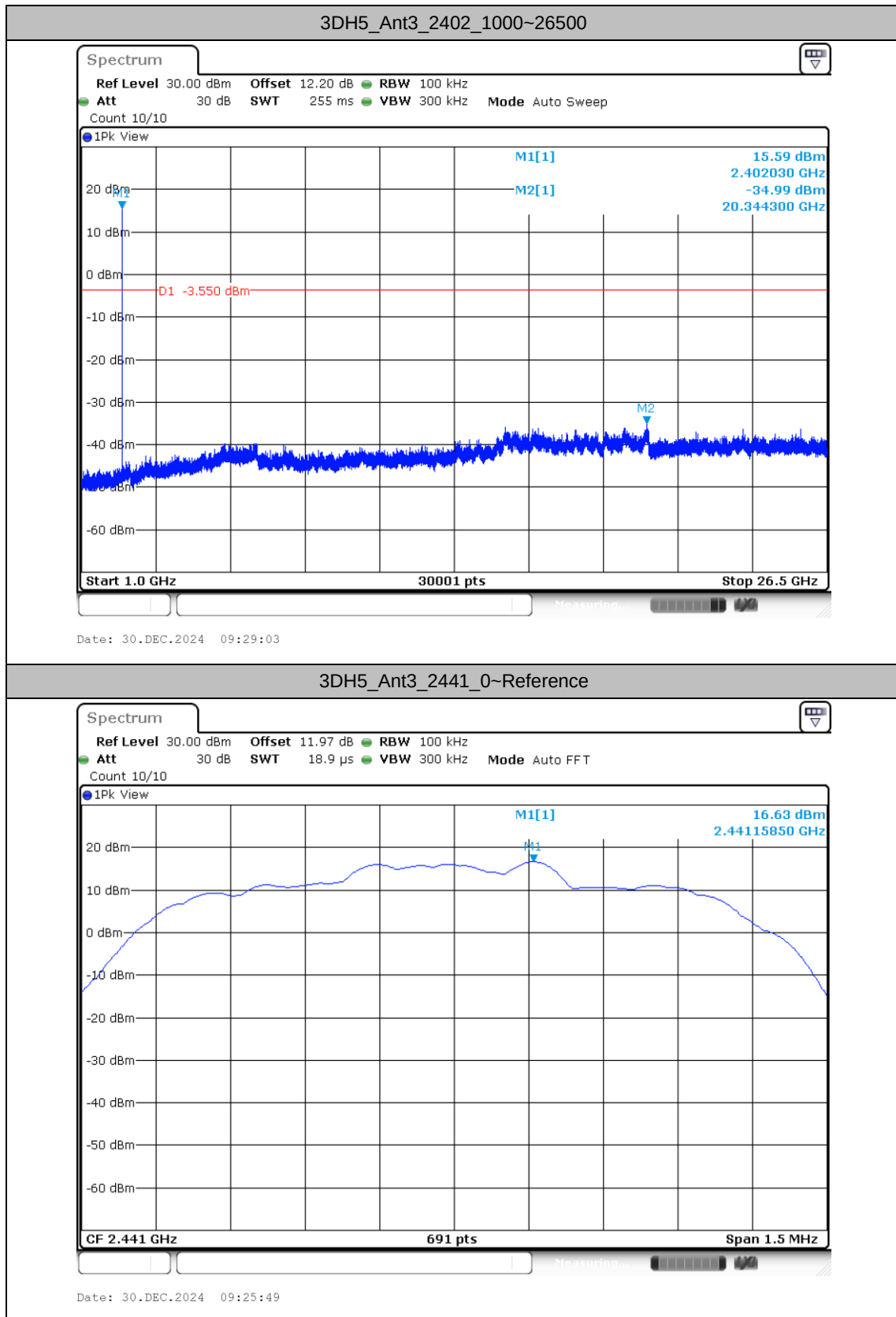
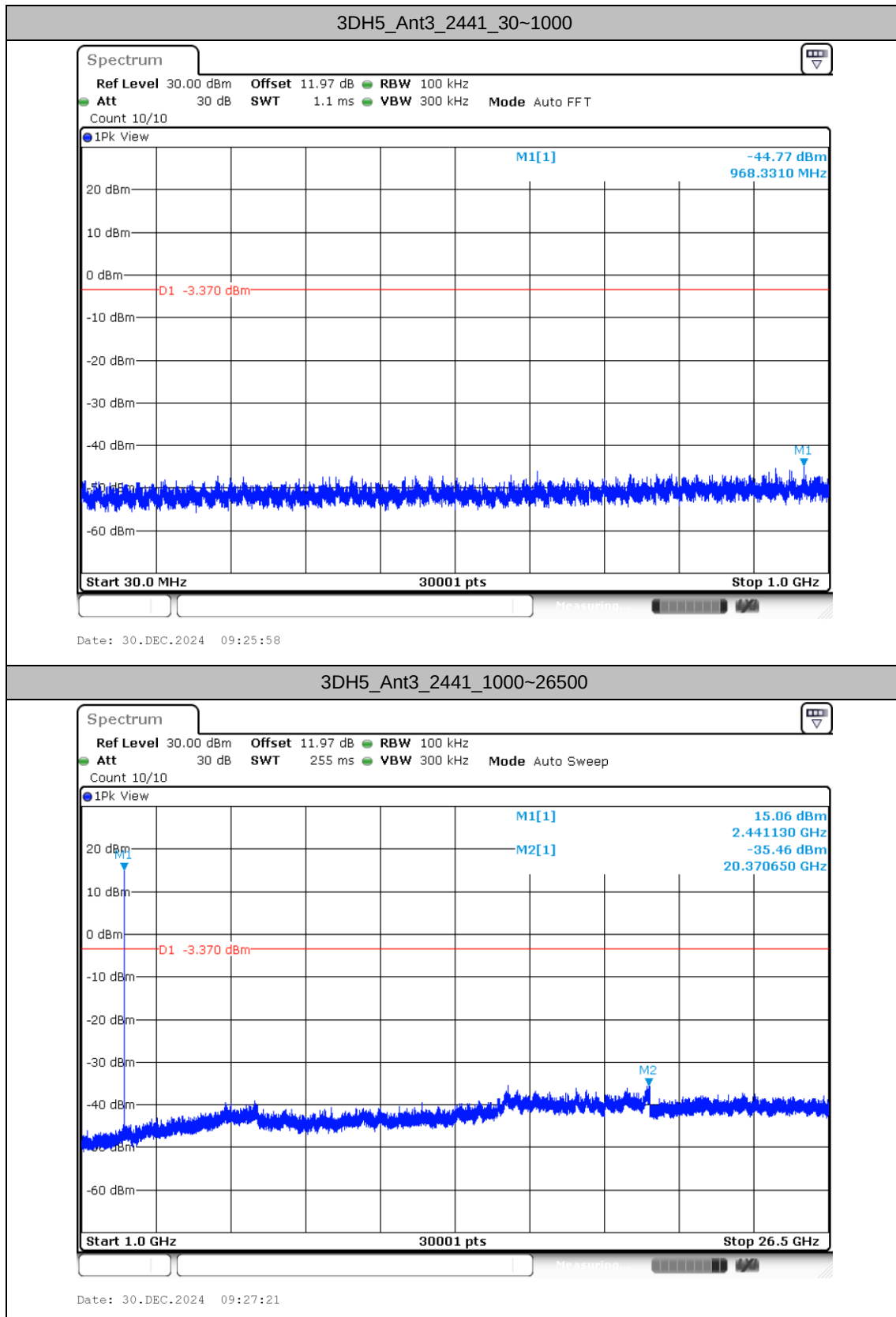
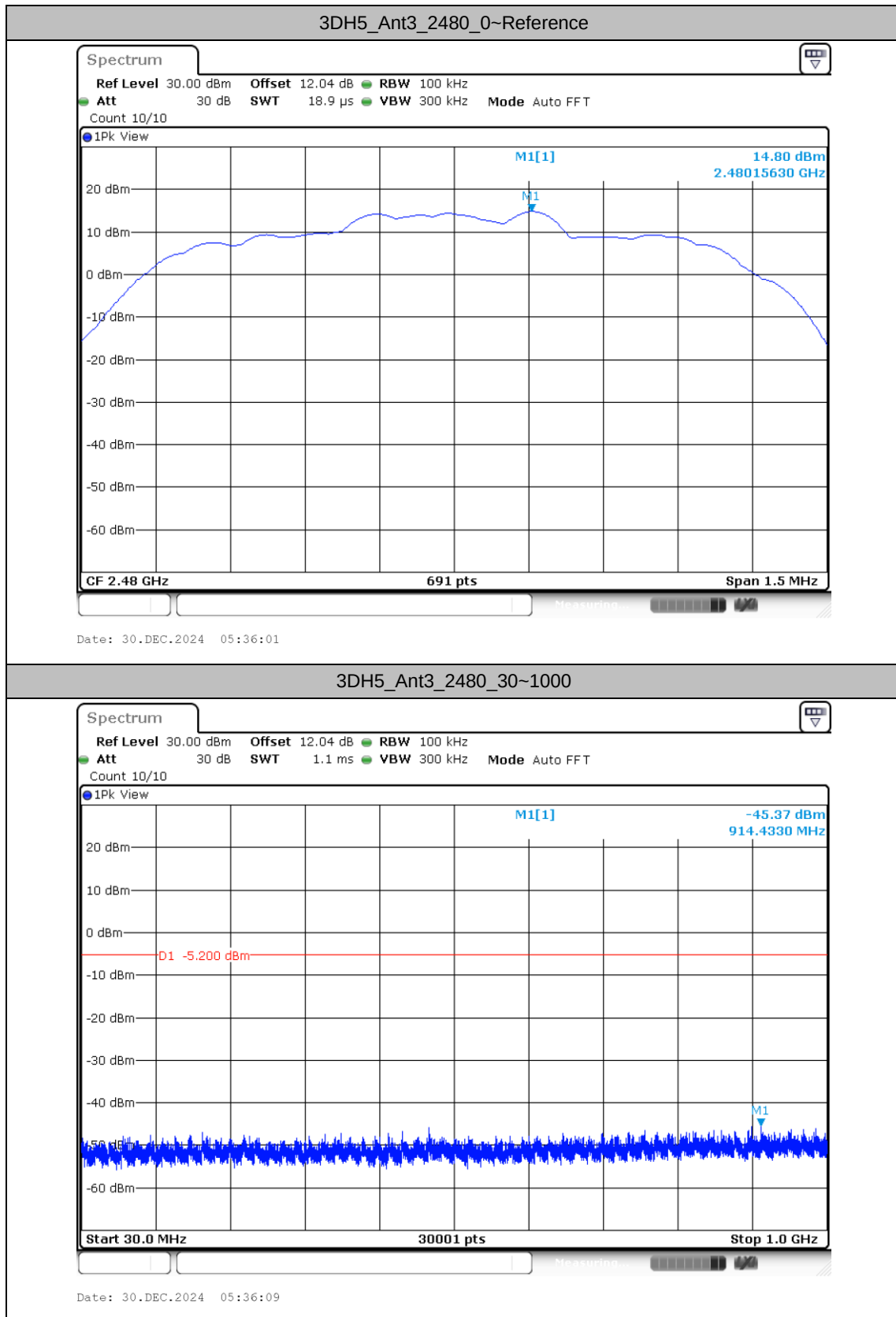


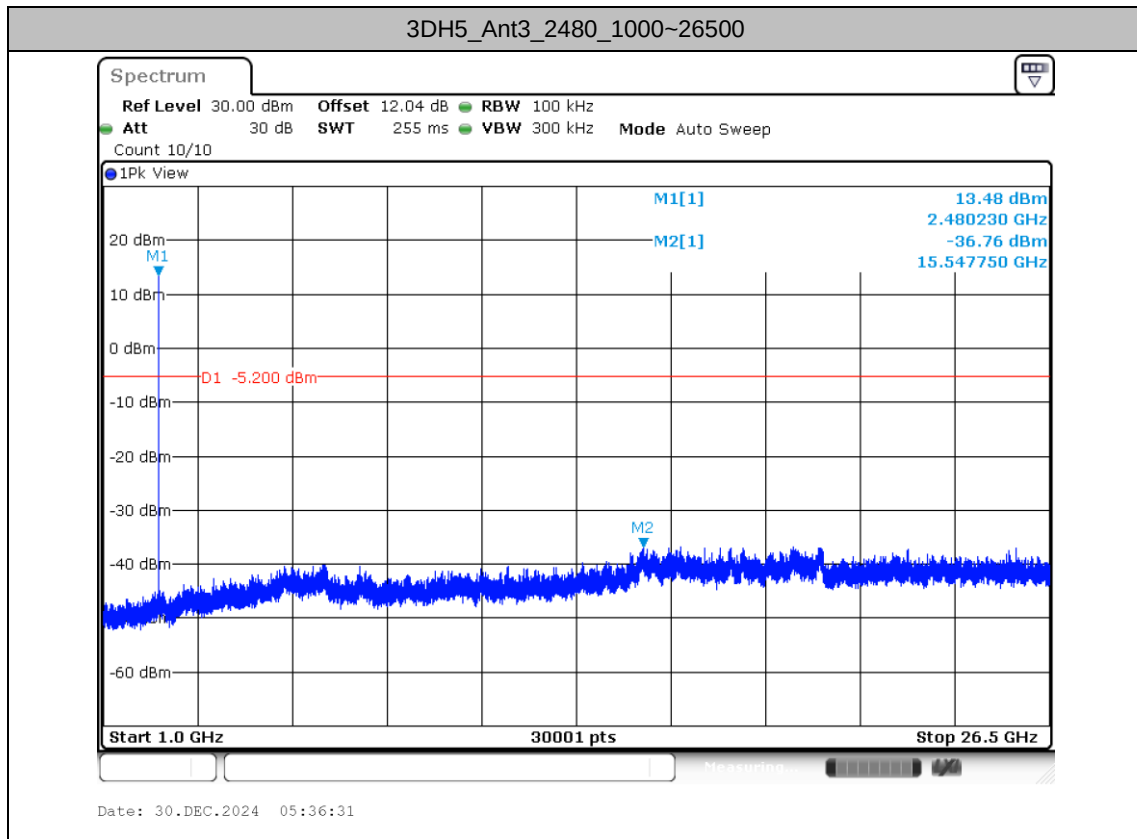






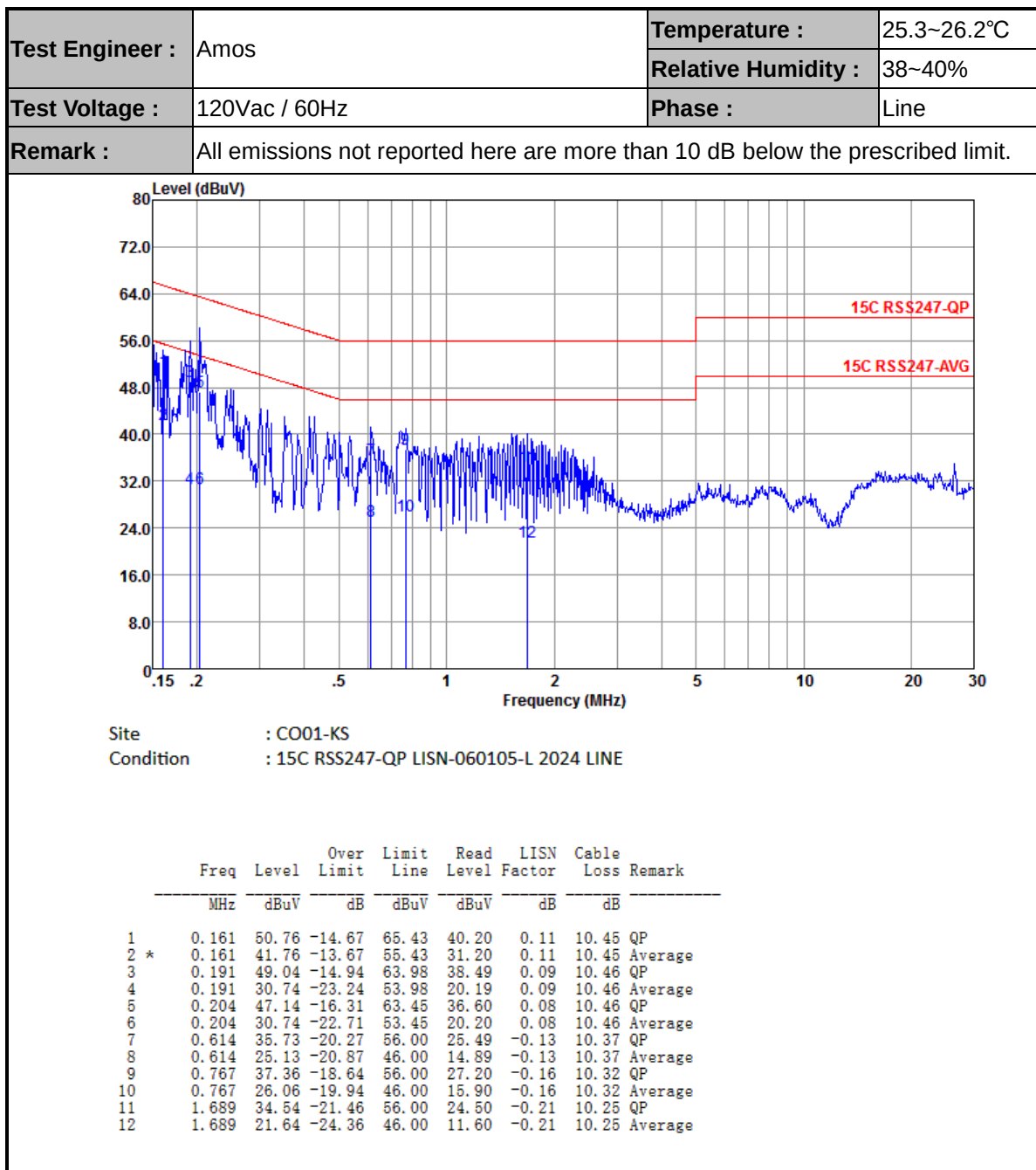






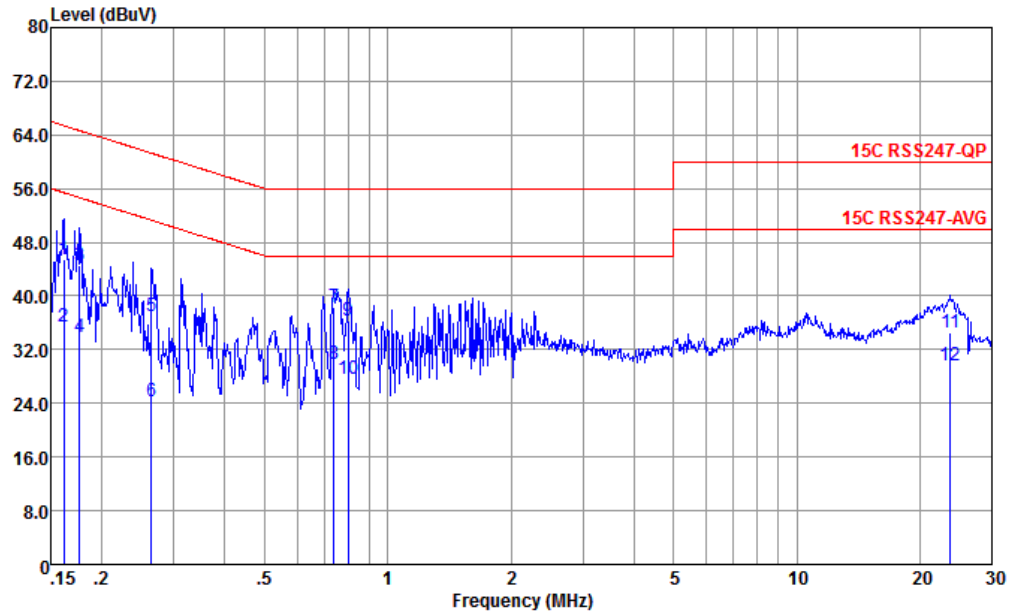


Appendix B. AC Conducted Emission Test Results





Test Engineer :	Amos	Temperature :	25.3~26.2°C
		Relative Humidity :	38~40%
Test Voltage :	120Vac / 60Hz	Phase :	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 2024 NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.162	45.38	-20.00	65.38	34.81	0.12	10.45	QP
2	0.162	35.48	-19.90	55.38	24.91	0.12	10.45	Average
3	0.177	44.48	-20.16	64.64	33.89	0.13	10.46	QP
4	0.177	33.78	-20.86	54.64	23.19	0.13	10.46	Average
5	0.264	36.93	-24.36	61.29	26.51	-0.05	10.47	QP
6	0.264	24.33	-26.96	51.29	13.91	-0.05	10.47	Average
7	0.739	38.36	-17.64	56.00	28.20	-0.17	10.33	QP
8 *	0.739	29.76	-16.24	46.00	19.60	-0.17	10.33	Average
9	0.800	36.34	-19.66	56.00	26.20	-0.17	10.31	QP
10	0.800	27.64	-18.36	46.00	17.50	-0.17	10.31	Average
11	23.762	34.55	-25.45	60.00	24.60	-0.47	10.42	QP
12	23.762	29.55	-20.45	50.00	19.60	-0.47	10.42	Average

Note:

1. $\text{Level(dB}\mu\text{V)} = \text{Read Level(dB}\mu\text{V)} + \text{LISN Factor(dB)} + \text{Cable Loss(dB)}$
2. $\text{Over Limit(dB)} = \text{Level(dB}\mu\text{V)} - \text{Limit Line(dB}\mu\text{V)}$



Appendix C Radiated Spurious Emission Test Data

Test Engineer :	Koi Ji	Relative Humidity :	51~53%
		Temperature :	21.2~22.5°C

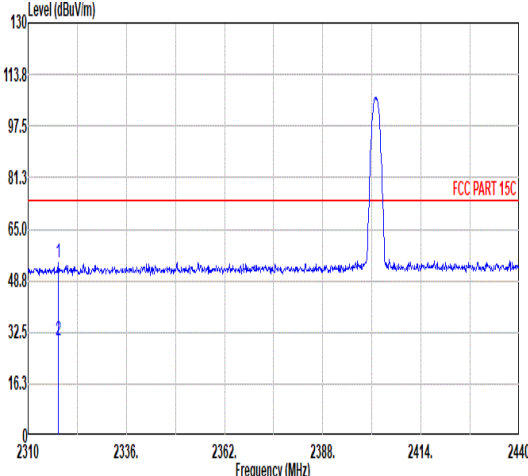
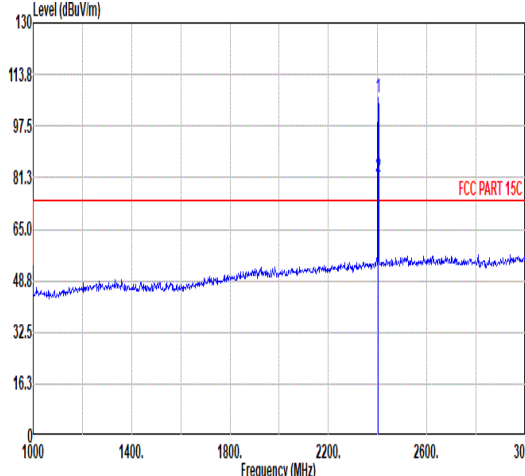
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	3	Bluetooth BR_GFSK	00	2402	1Mbps	-	-
Mode 2	2400-2483.5	3	Bluetooth BR_GFSK	39	2441	1Mbps	-	-
Mode 3	2400-2483.5	3	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	00	2372.14	54.74	74.00	-19.26	V	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	50.53	74.00	-23.47	V	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	4882.00	53.78	74.00	-20.22	V	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2491.33	55.22	74.00	-18.78	H	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	4960.00	52.09	74.00	-21.91	V	PEAK	Pass	Harmonic



Mode	1																																																							
	Band Edge																																																							
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																							
ANT	3																																																							
Pol.	Horizontal																																																							
Peak																																																								
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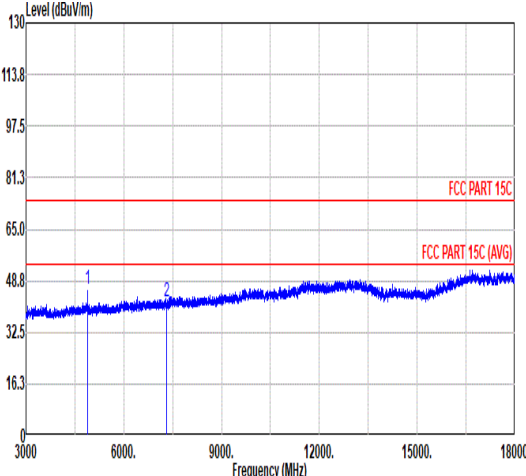
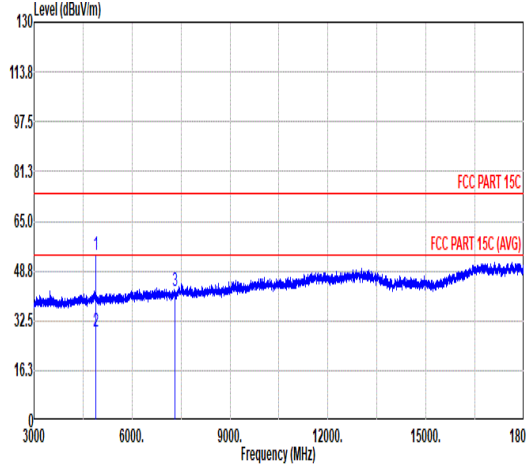


Mode	1																																																																	
	Band Edge																																																																	
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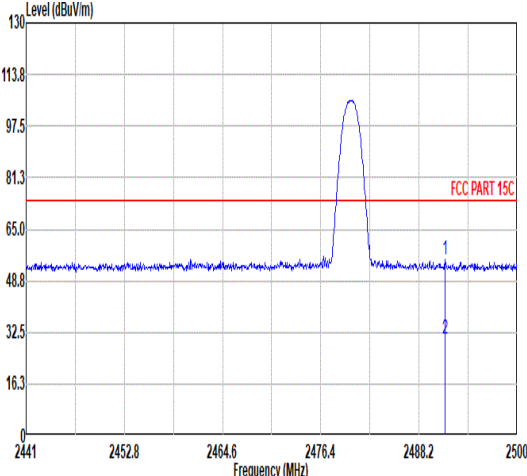
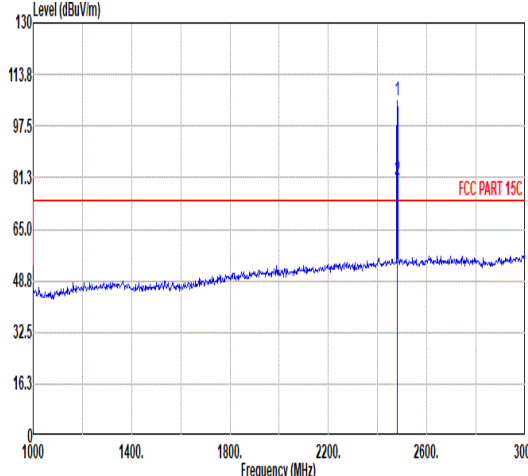


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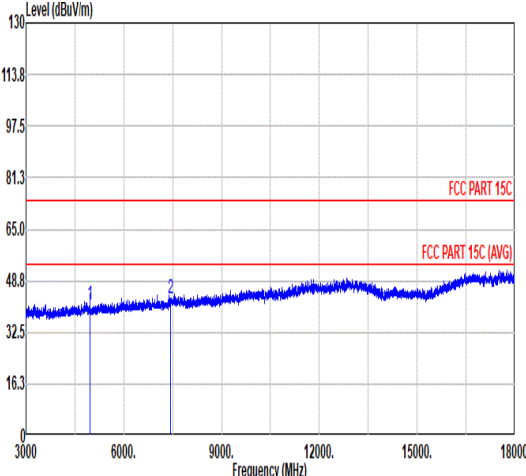
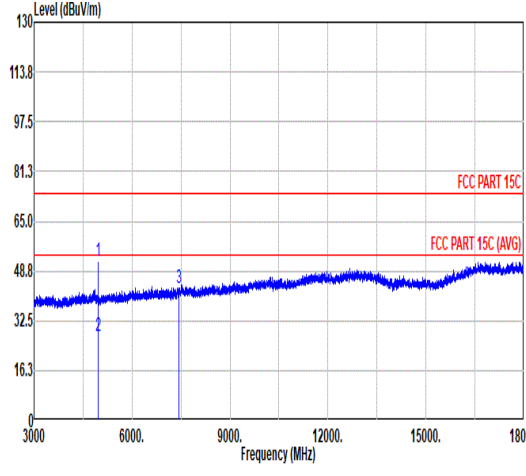


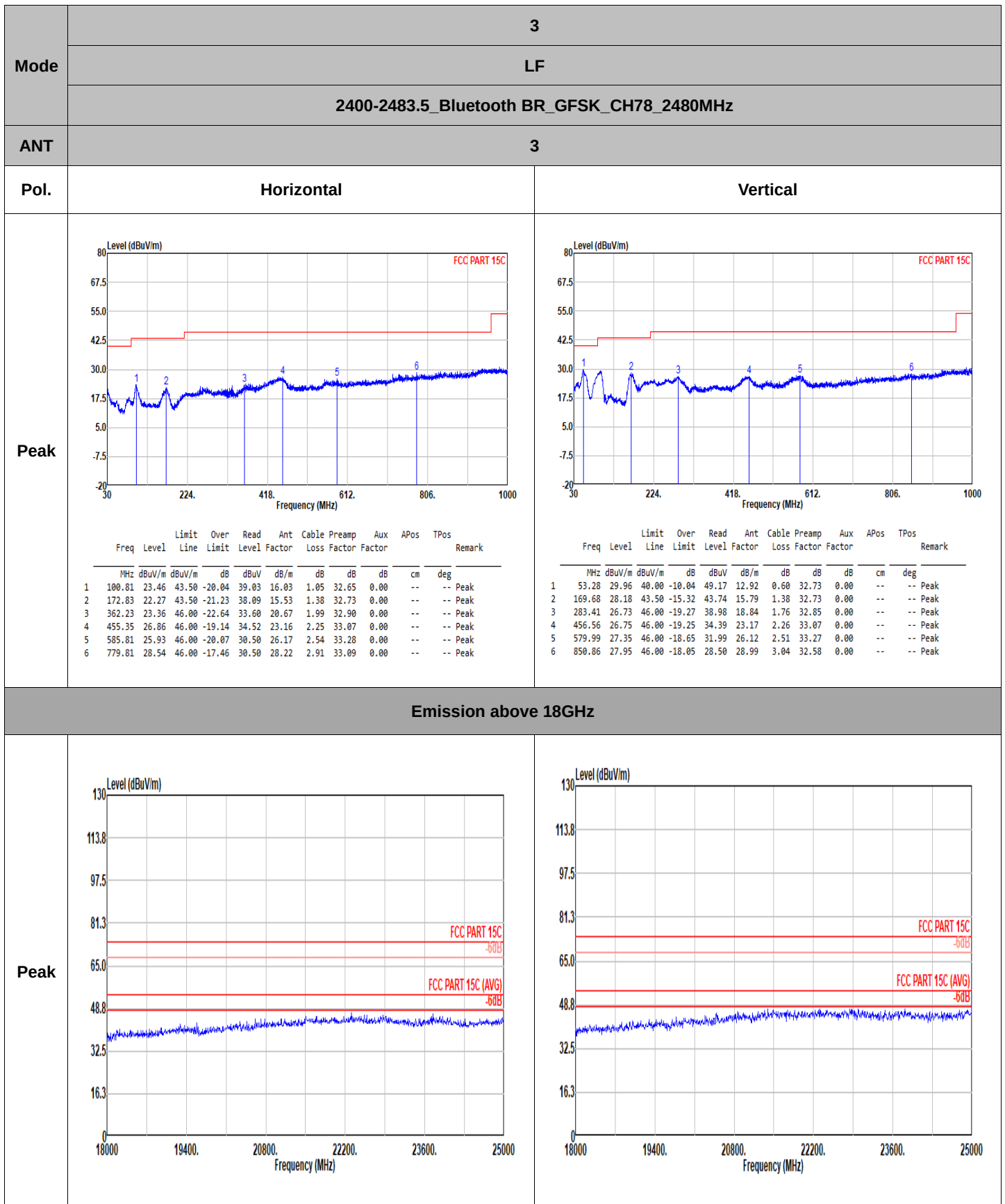
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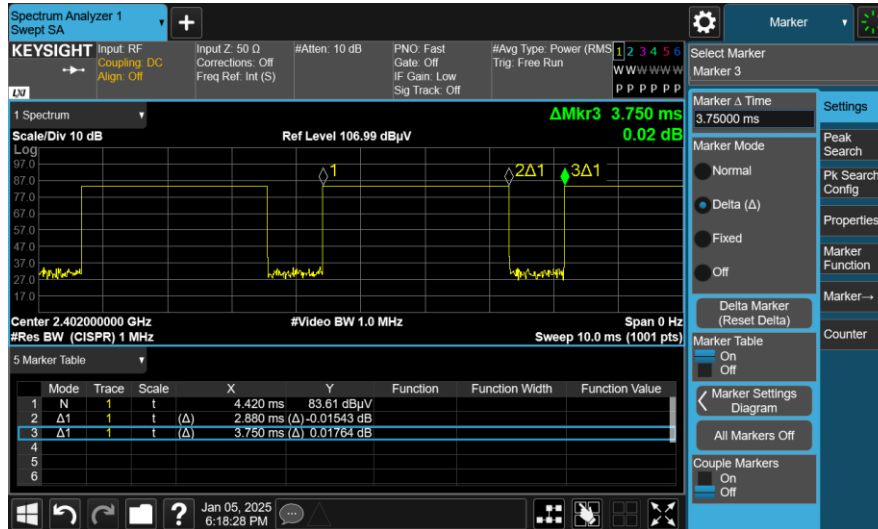


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		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																					
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	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg																																																																				
1	4960.00	41.45	74.00	-32.55	61.31	33.94	11.85	65.65	0.00	--	PEAK																																																																			
2	7440.00	43.21	74.00	-30.79	59.62	35.00	14.63	66.84	0.00	--	PEAK																																																																			
Vertical																																																																														
																																																																														
	<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>4960.00</td><td>52.09</td><td>74.00</td><td>-21.91</td><td>71.95</td><td>33.94</td><td>11.85</td><td>65.65</td><td>0.00</td><td>235</td><td>265 PEAK</td></tr><tr><td>2</td><td>4960.00</td><td>27.30</td><td>54.00</td><td>-26.70</td><td>47.16</td><td>33.94</td><td>11.85</td><td>65.65</td><td>0.00</td><td>235</td><td>265 AVERAGE</td></tr><tr><td>3</td><td>7440.00</td><td>43.37</td><td>74.00</td><td>-30.63</td><td>59.78</td><td>35.00</td><td>14.63</td><td>66.84</td><td>0.00</td><td>--</td><td>PEAK</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	4960.00	52.09	74.00	-21.91	71.95	33.94	11.85	65.65	0.00	235	265 PEAK	2	4960.00	27.30	54.00	-26.70	47.16	33.94	11.85	65.65	0.00	235	265 AVERAGE	3	7440.00	43.37	74.00	-30.63	59.78	35.00	14.63	66.84	0.00	--	PEAK
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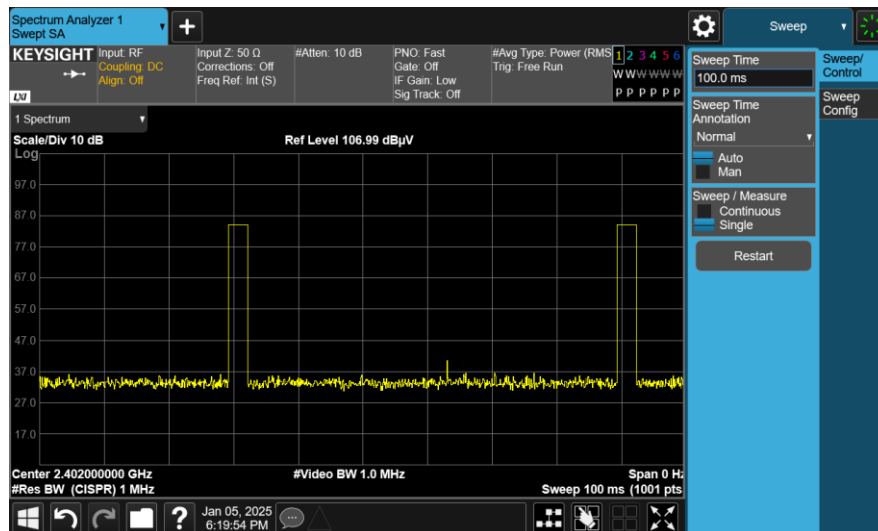


Appendix D. Duty Cycle Plots

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.