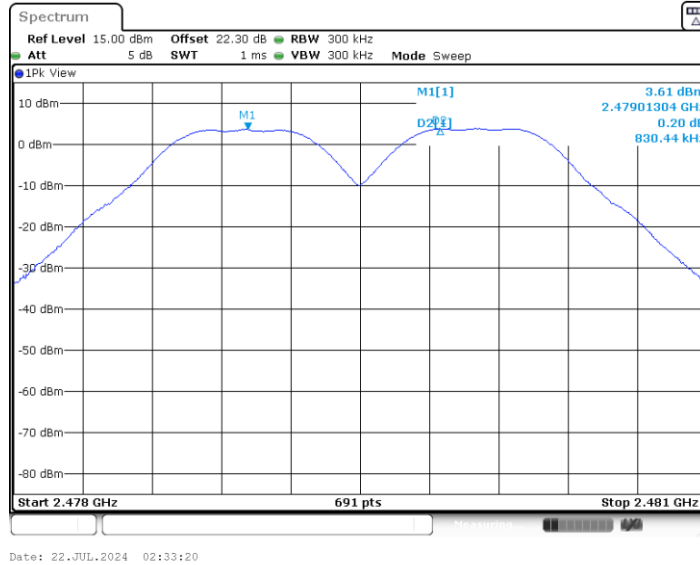
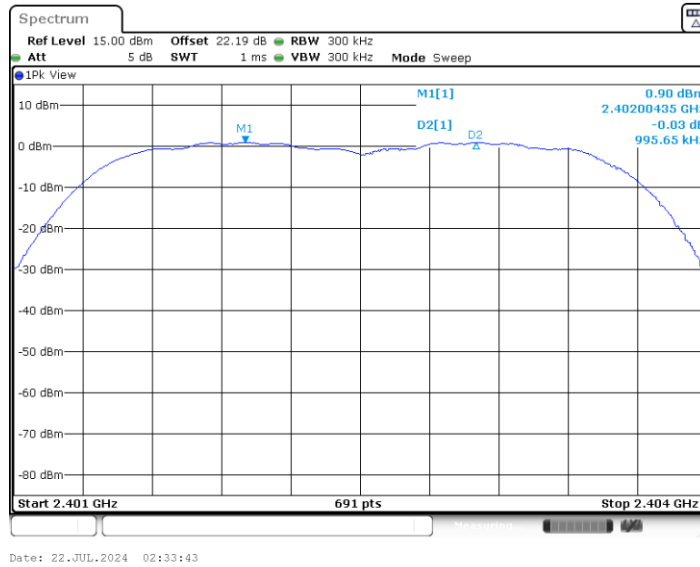




DH5_Ant7_2480

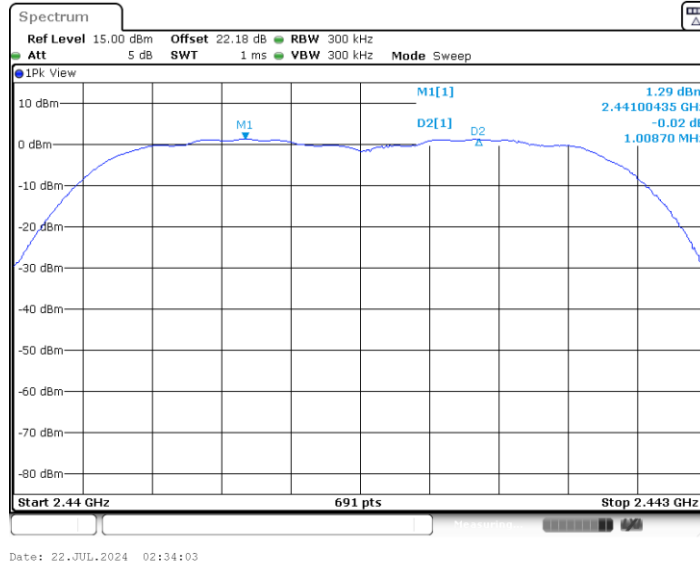


2DH1_Ant7_2402

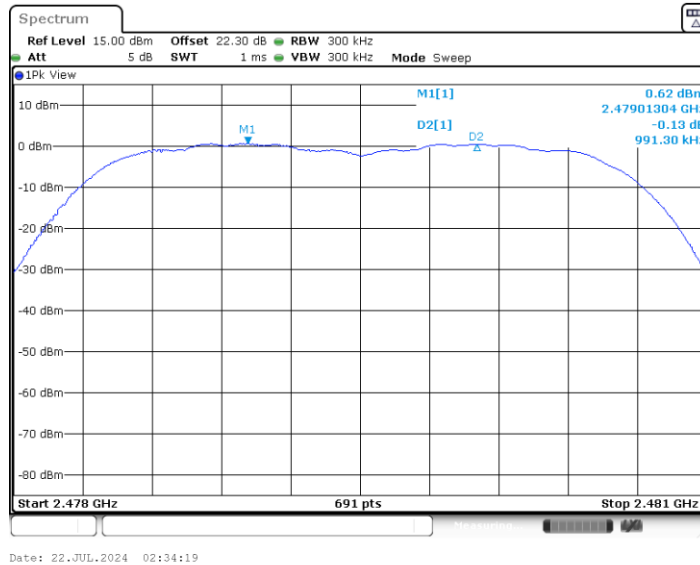




2DH1_Ant7_2441

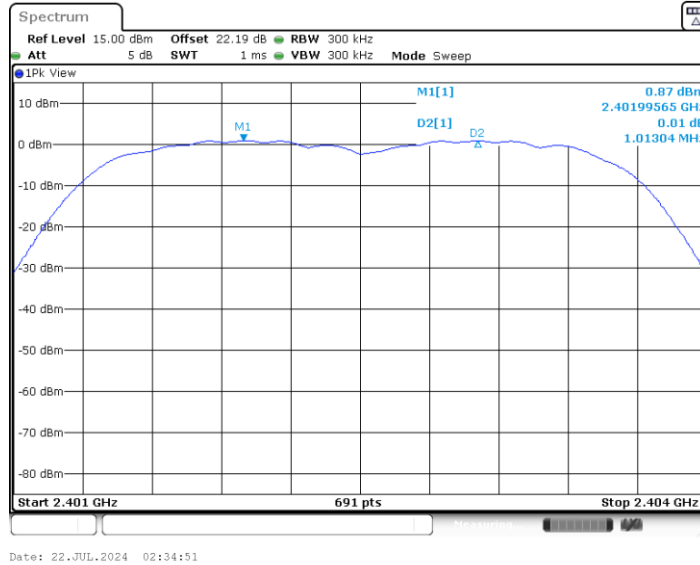


2DH1_Ant7_2480

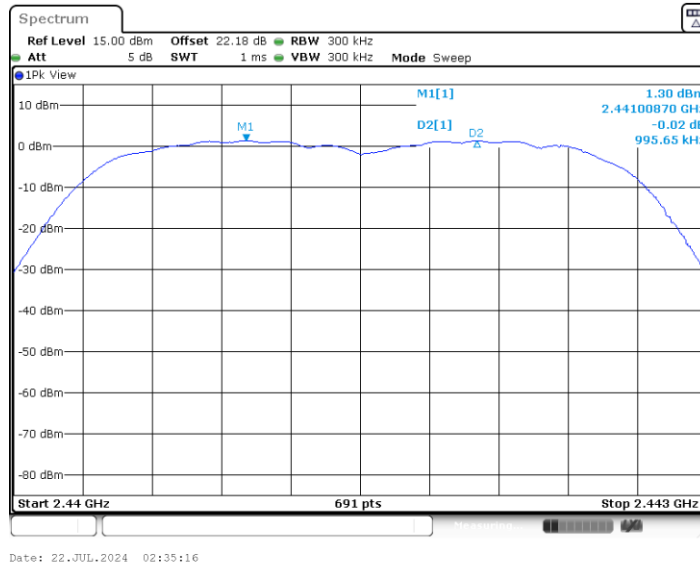


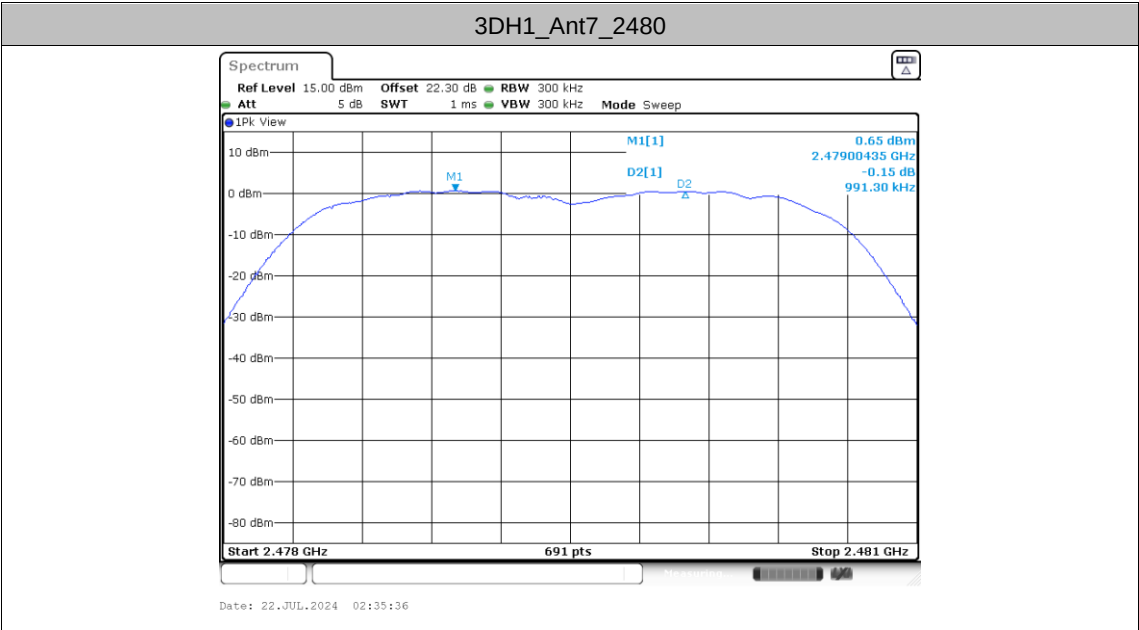


3DH1_Ant7_2402



3DH1_Ant7_2441





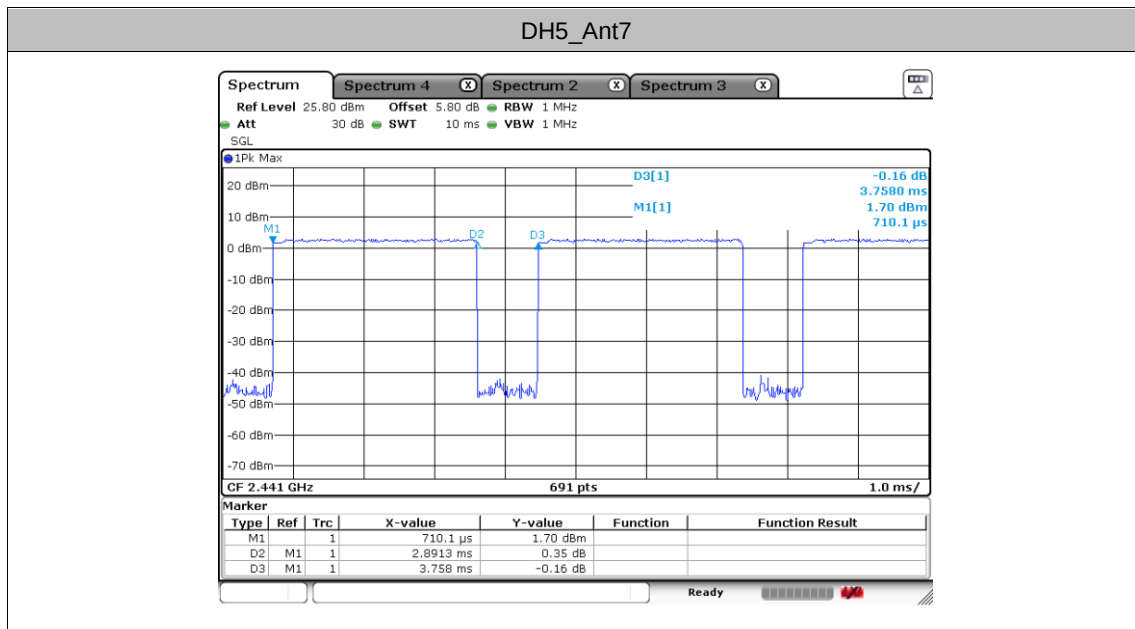


Time of occupancy

Test Result

TestMode	Antenna	Hopping Channel Number Rate	Hops Over Occupancy Time(hops)	Package Transfer Time (msec) (MHz)	Dwell Time (sec)	Limits (sec)	Pass/Fail
Normal	Ant7	79	106.67	2.8913	0.31	0.4	Pass
AFH	Ant7	20	53.33	2.8913	0.15	0.4	Pass

Test Graphs



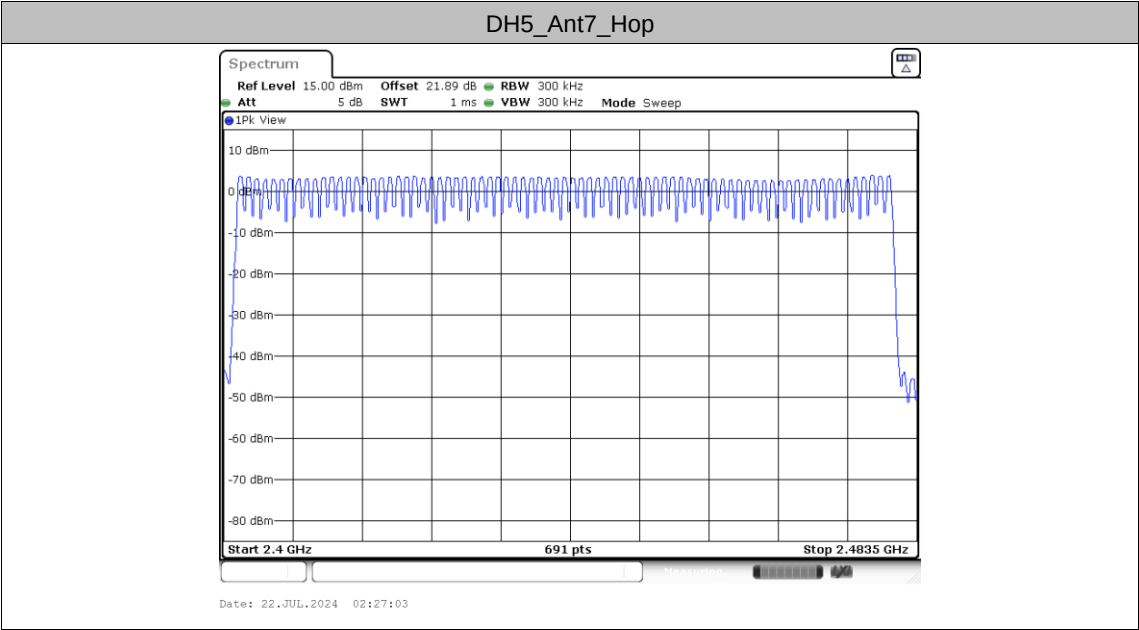


Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant7	Hop	79	≥15	PASS

Test Graphs





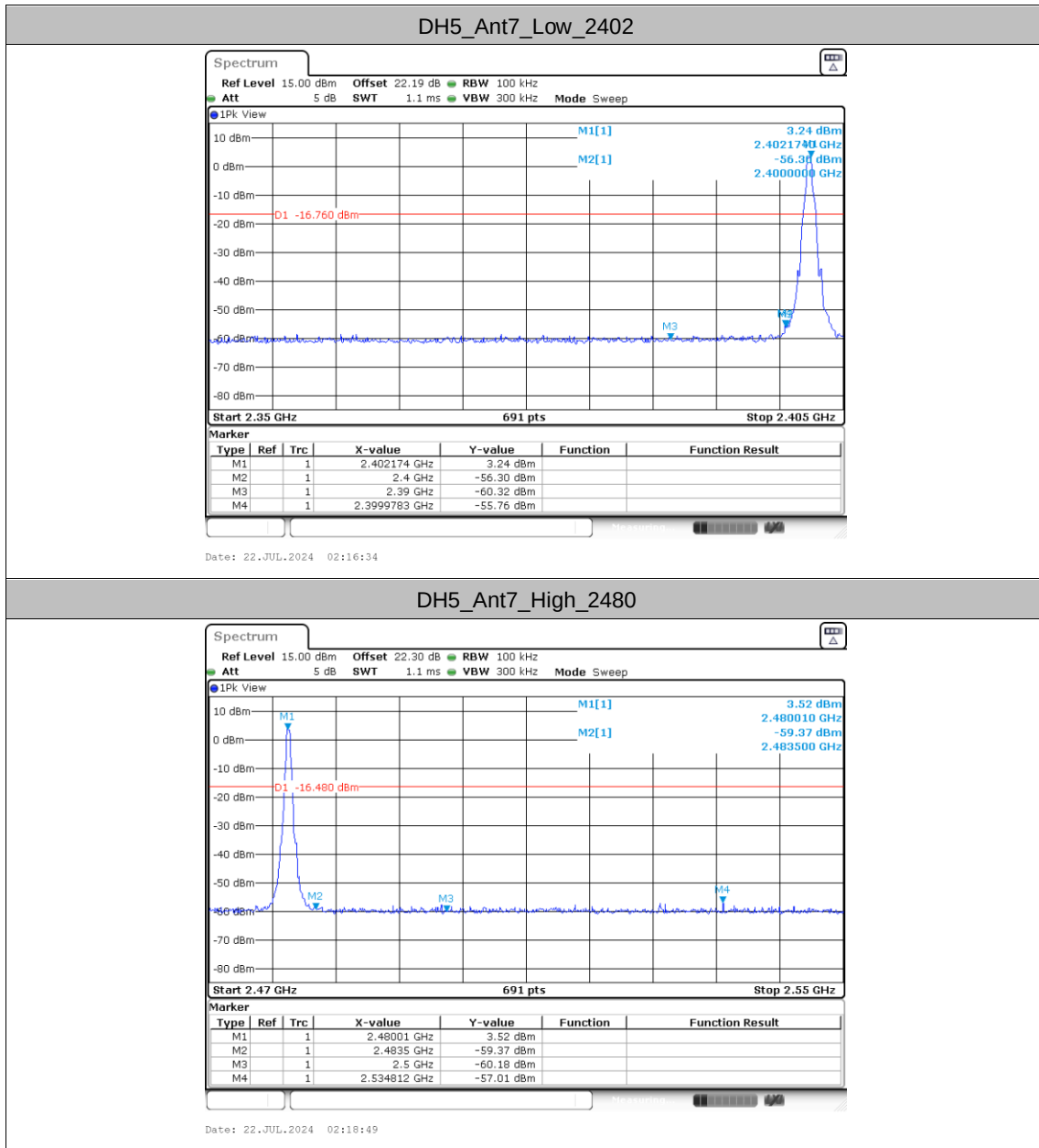
Band edge measurements

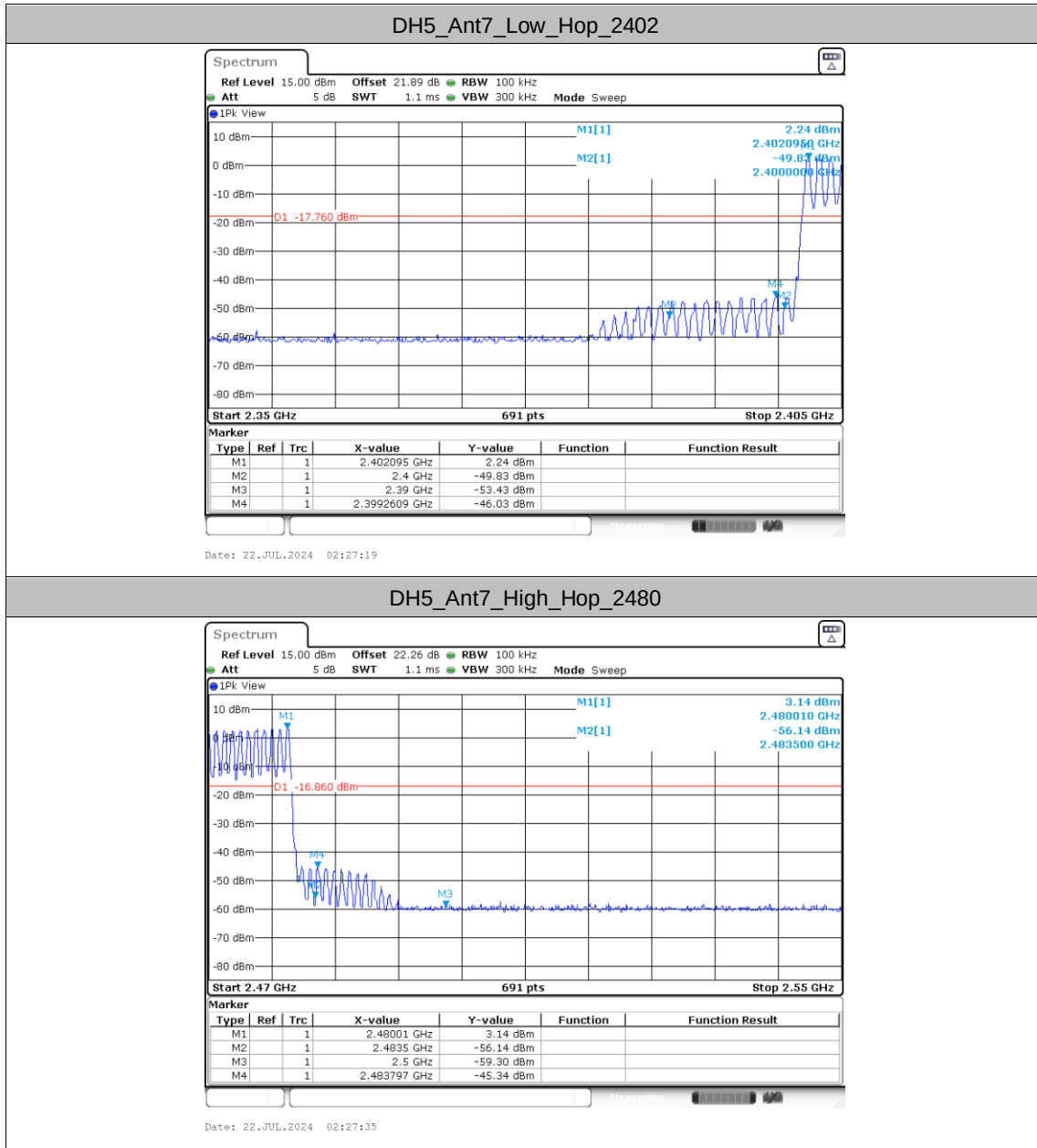
Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant7	Low	2402	3.24	-55.76	≤-16.76	PASS
		High	2480	3.52	-57.01	≤-16.48	PASS
		Low	Hop_2402	2.24	-46.03	≤-17.76	PASS
		High	Hop_2480	3.14	-45.34	≤-16.86	PASS
2DH1	Ant7	Low	2402	0.71	-55.43	≤-19.29	PASS
		High	2480	0.32	-57.68	≤-19.68	PASS
		Low	Hop_2402	0.29	-46.85	≤-19.71	PASS
		High	Hop_2480	0.45	-47.1	≤-19.55	PASS
3DH1	Ant7	Low	2402	0.71	-57.66	≤-19.29	PASS
		High	2480	0.30	-57.64	≤-19.7	PASS
		Low	Hop_2402	0.40	-47.5	≤-19.6	PASS
		High	Hop_2480	0.46	-47.11	≤-19.54	PASS



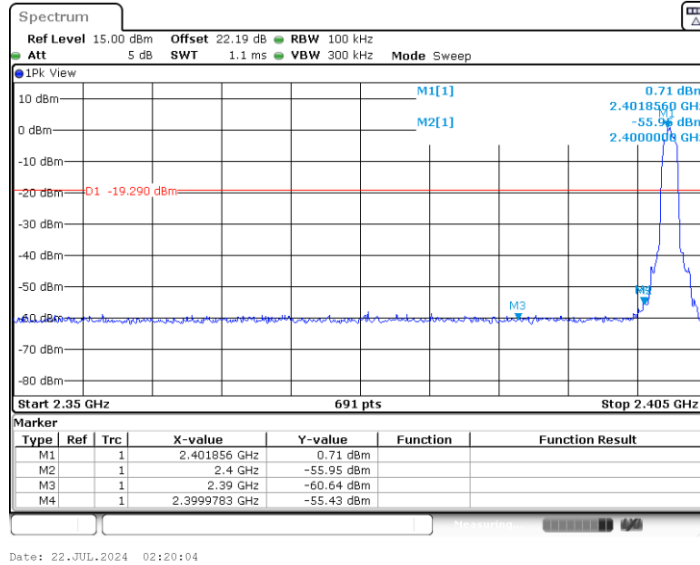
Test Graphs



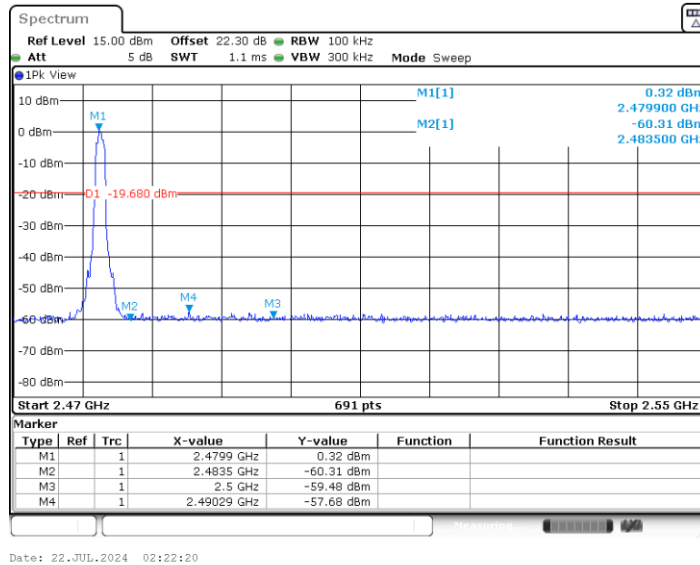




2DH1_Ant7_Low_2402

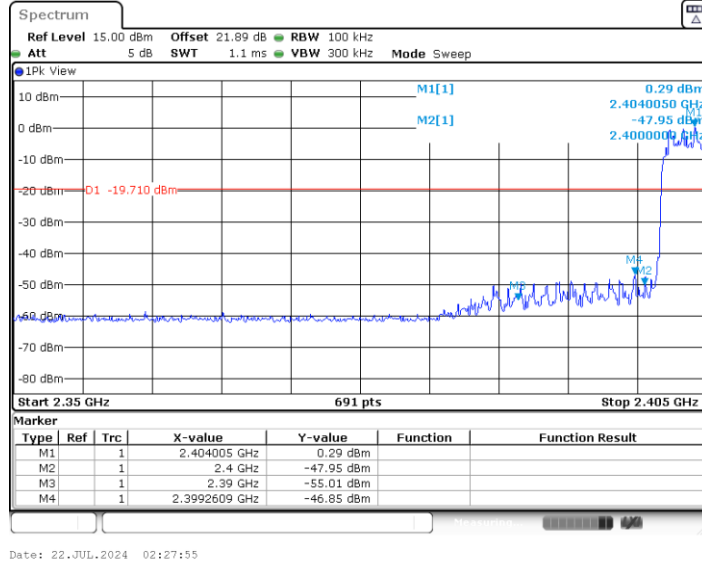


2DH1_Ant7_High_2480

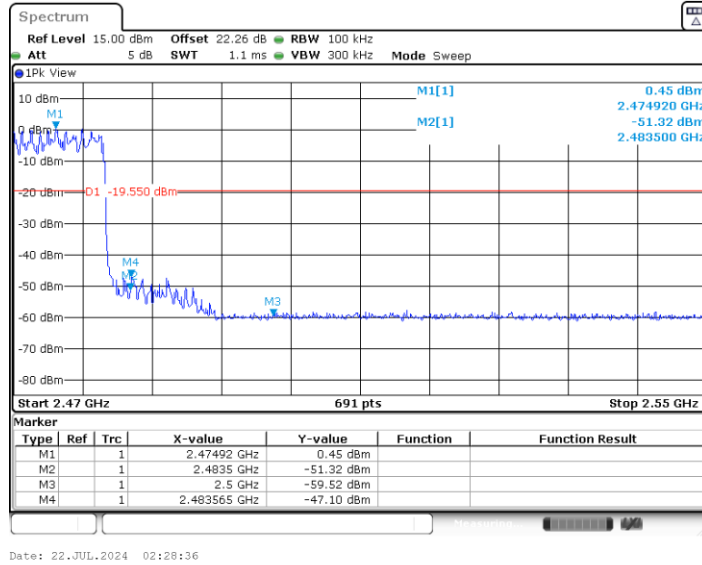




2DH1_Ant7_Low_Hop_2402

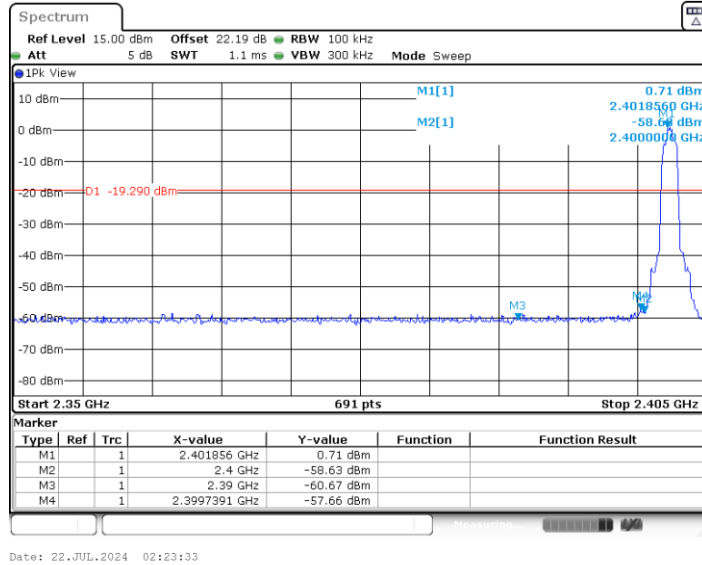


2DH1_Ant7_High_Hop_2480

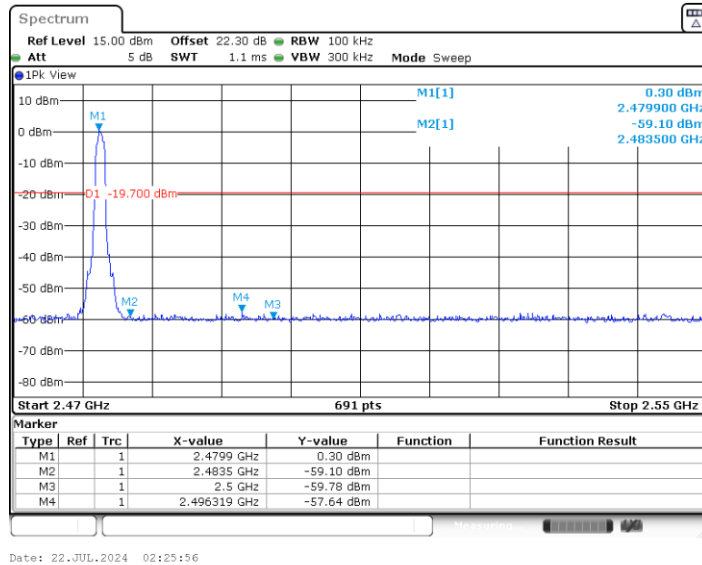




3DH1_Ant7_Low_2402

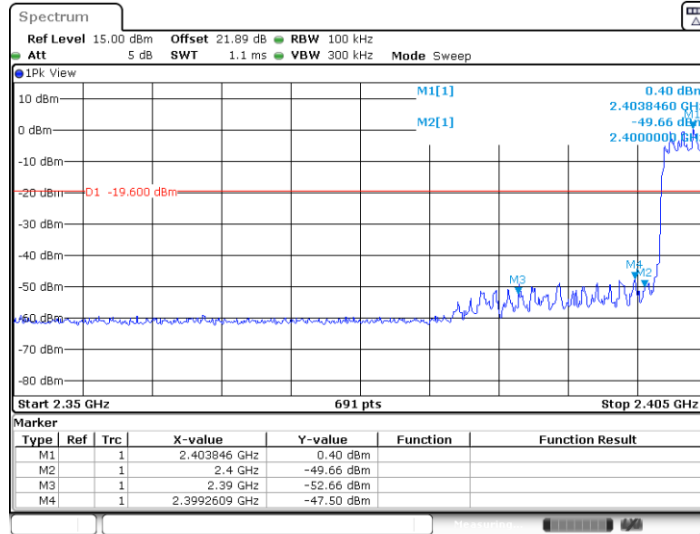


3DH1_Ant7_High_2480



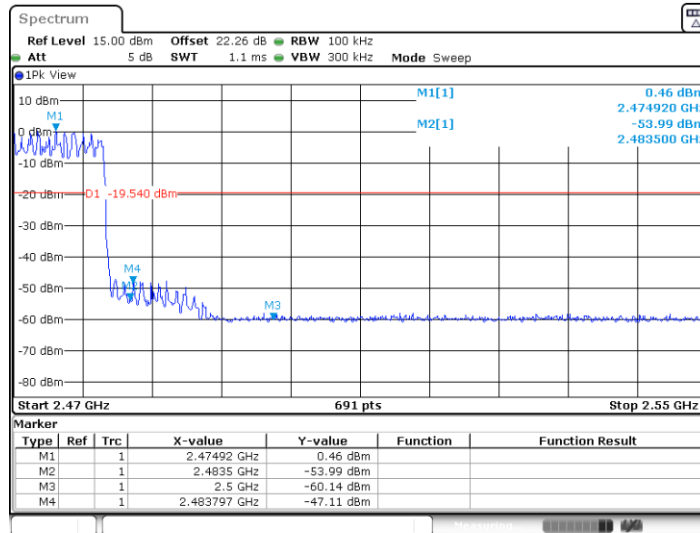


3DH1_Ant7_Low_Hop_2402



Date: 22.JUL.2024 02:29:00

3DH1_Ant7_High_Hop_2480



Date: 22.JUL.2024 02:29:26



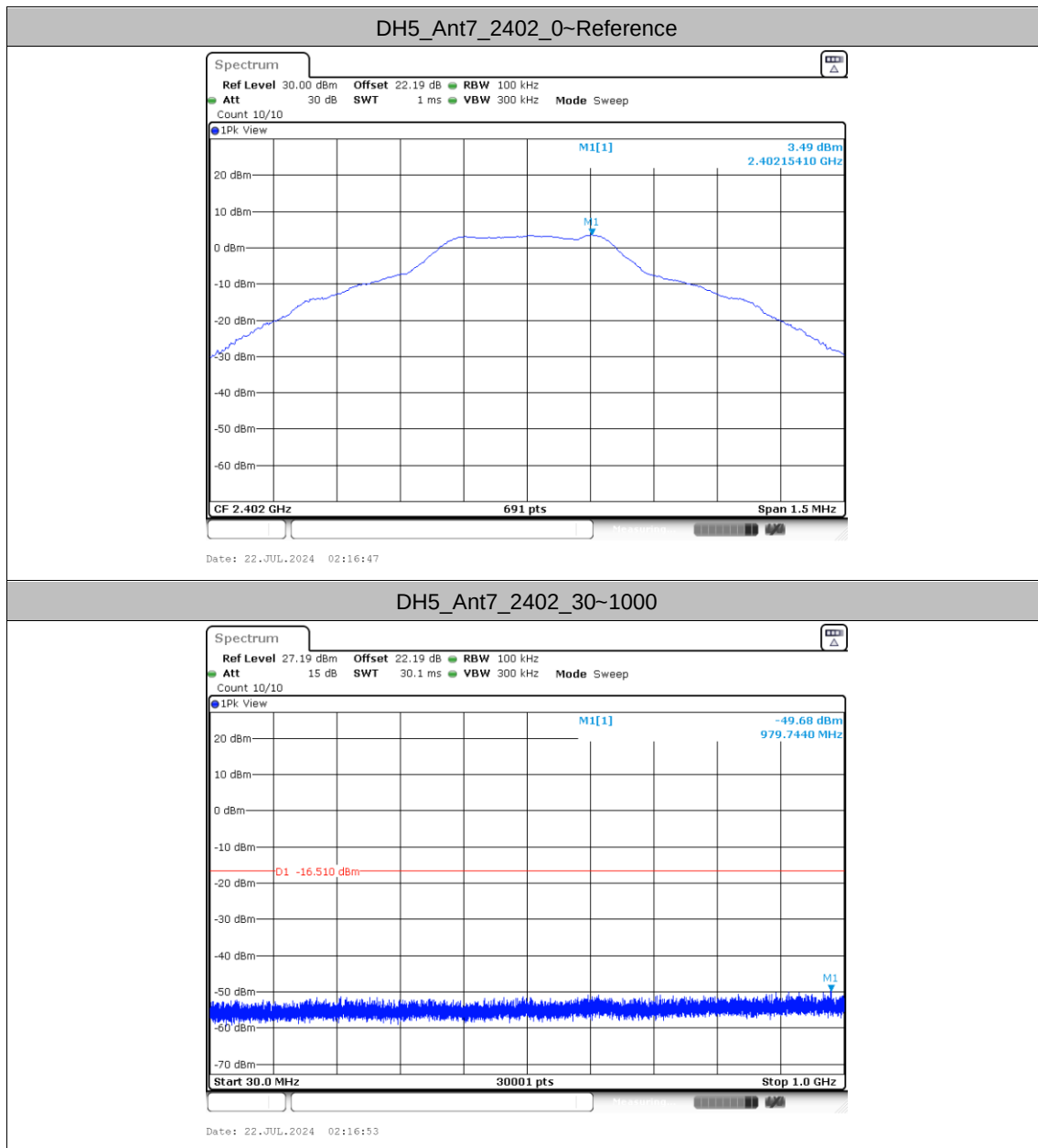
Conducted Spurious Emission

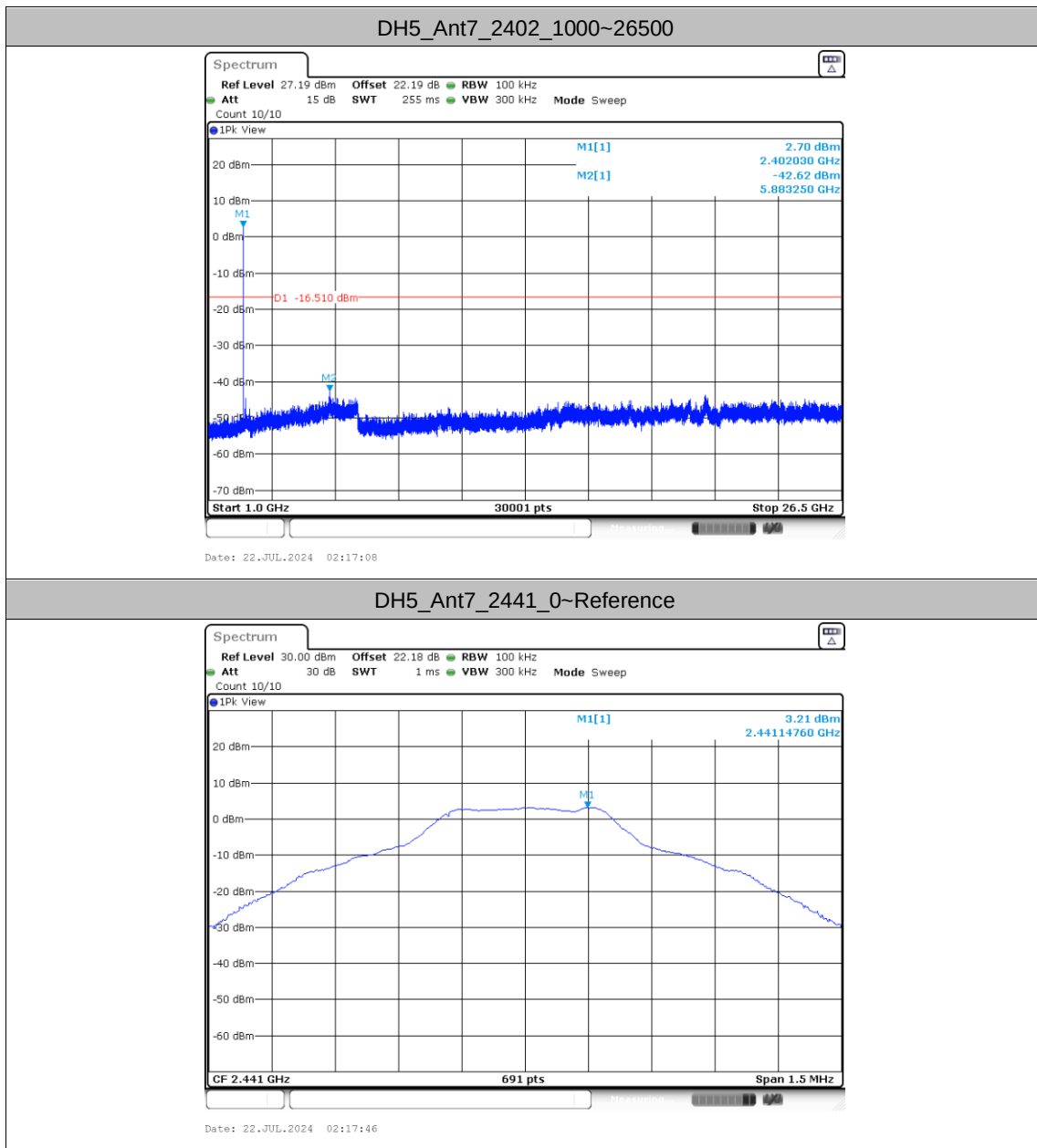
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant7	2402	Reference	3.49	3.49	---	PASS
			30~1000	3.49	-49.68	≤-16.51	PASS
			1000~26500	3.49	-42.62	≤-16.51	PASS
		2441	Reference	3.21	3.21	---	PASS
			30~1000	3.21	-49.91	≤-16.79	PASS
			1000~26500	3.21	-43.35	≤-16.79	PASS
		2480	Reference	3.68	3.68	---	PASS
			30~1000	3.68	-50.04	≤-16.32	PASS
			1000~26500	3.68	-42.73	≤-16.32	PASS
2DH1	Ant7	2402	Reference	0.96	0.96	---	PASS
			30~1000	0.96	-49.86	≤-19.04	PASS
			1000~26500	0.96	-44	≤-19.04	PASS
		2441	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-49.08	≤-18.75	PASS
			1000~26500	1.25	-43.7	≤-18.75	PASS
		2480	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-49.42	≤-19.66	PASS
			1000~26500	0.34	-43.59	≤-19.66	PASS
3DH1	Ant7	2402	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-49.62	≤-19.02	PASS
			1000~26500	0.98	-43.61	≤-19.02	PASS
		2441	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-49.81	≤-18.76	PASS
			1000~26500	1.24	-43.06	≤-18.76	PASS
		2480	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-49.47	≤-19.62	PASS
			1000~26500	0.38	-43.81	≤-19.62	PASS



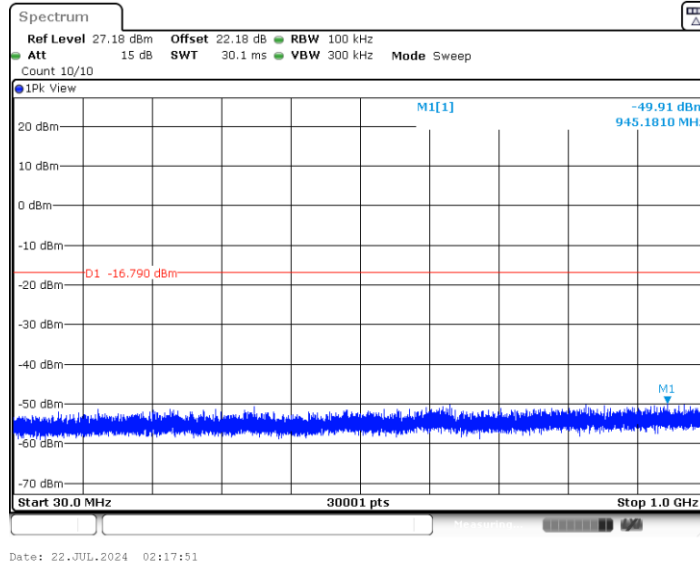
Test Graphs



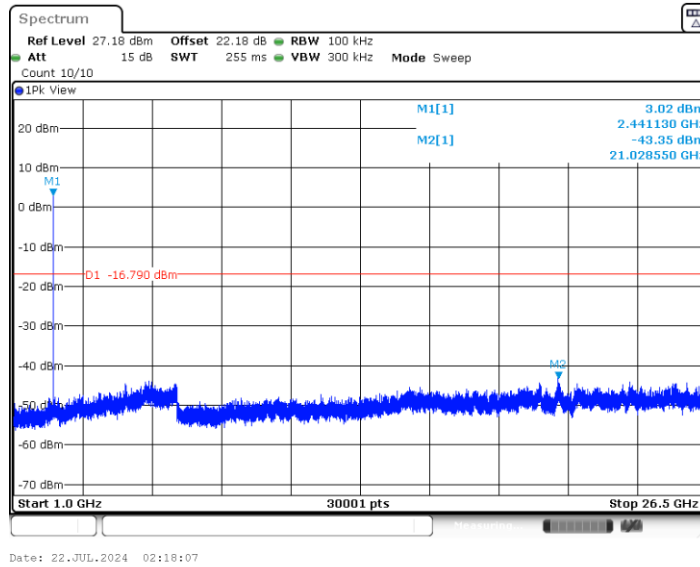


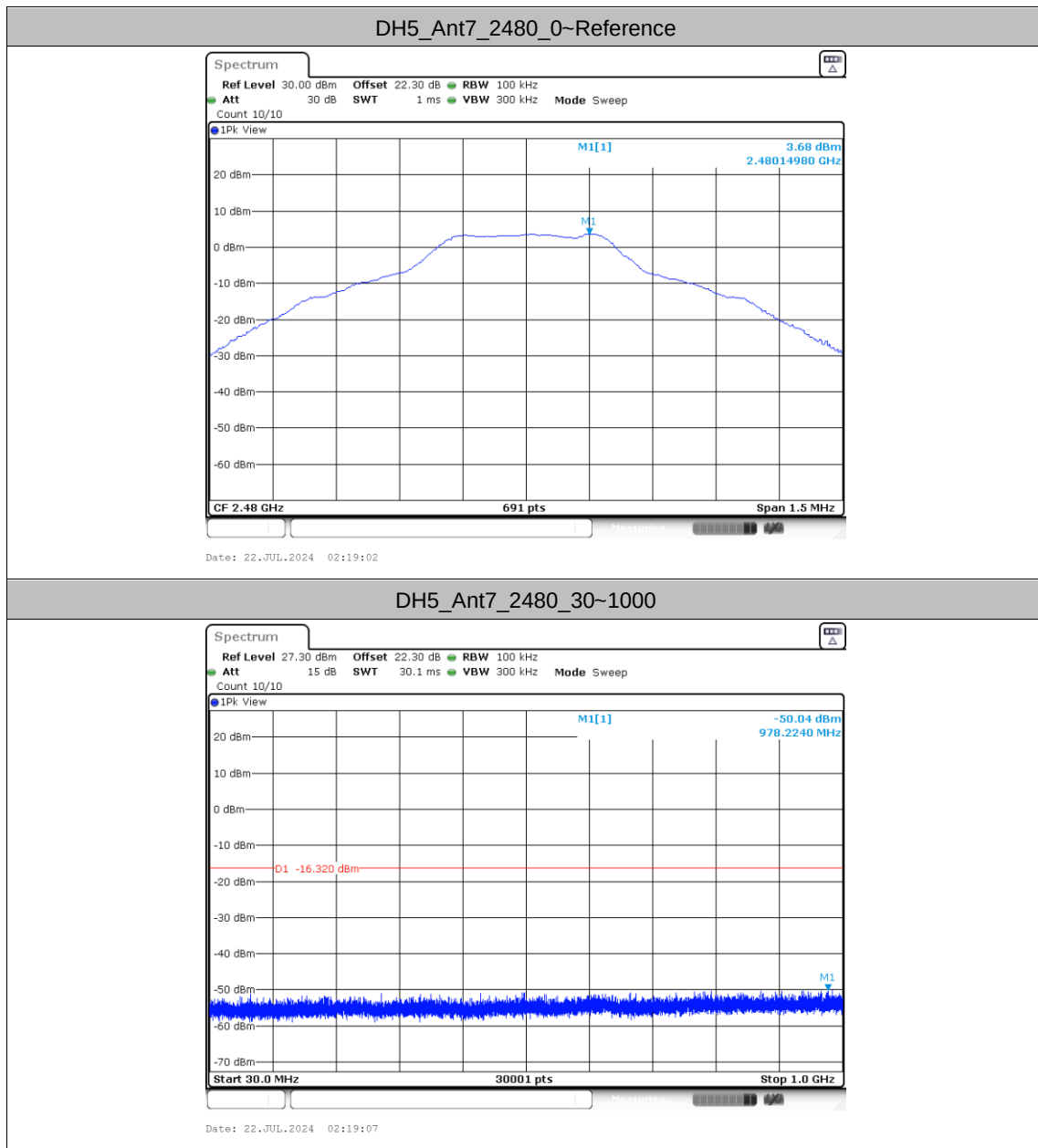


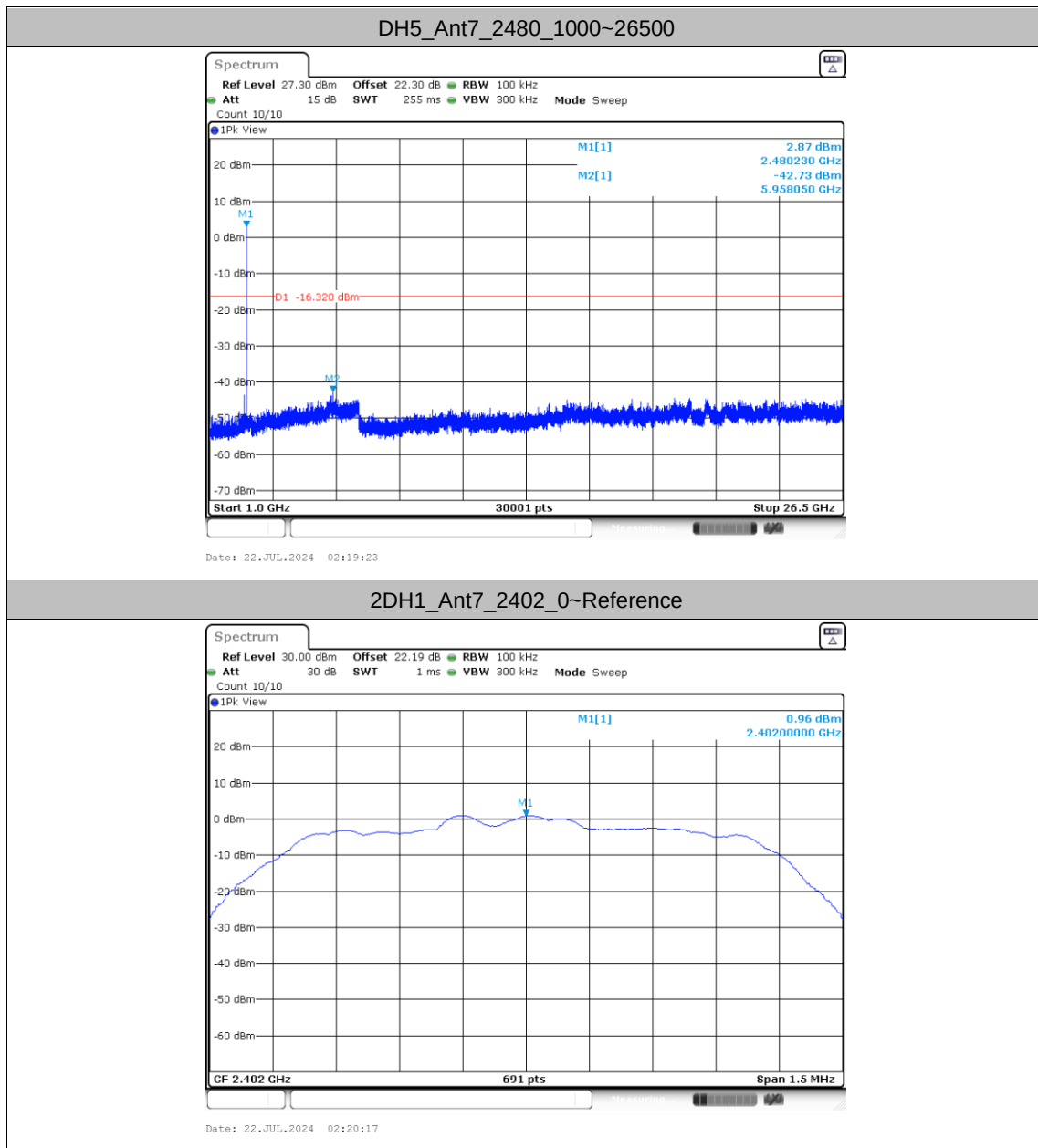
DH5_Ant7_2441_30~1000

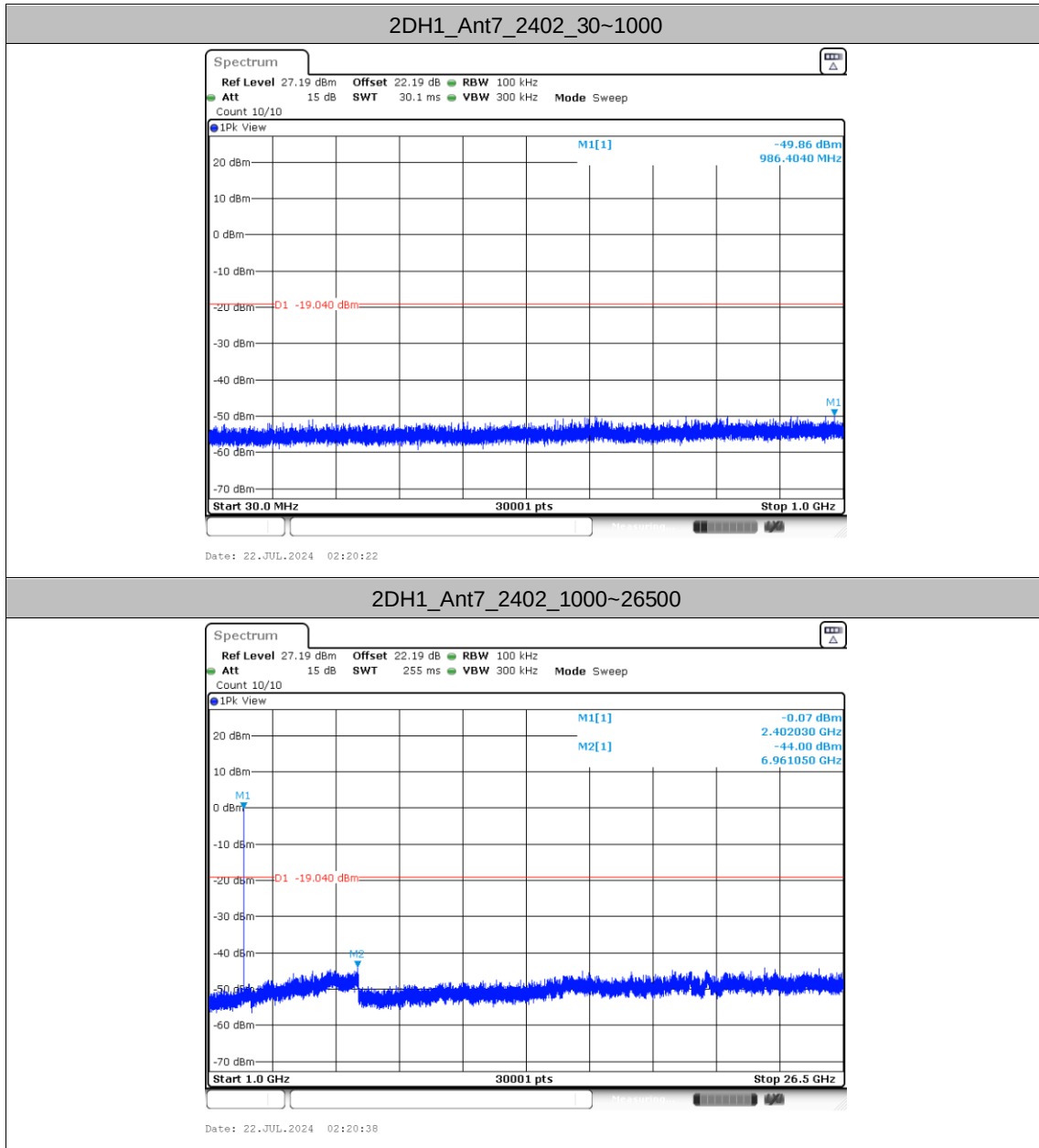


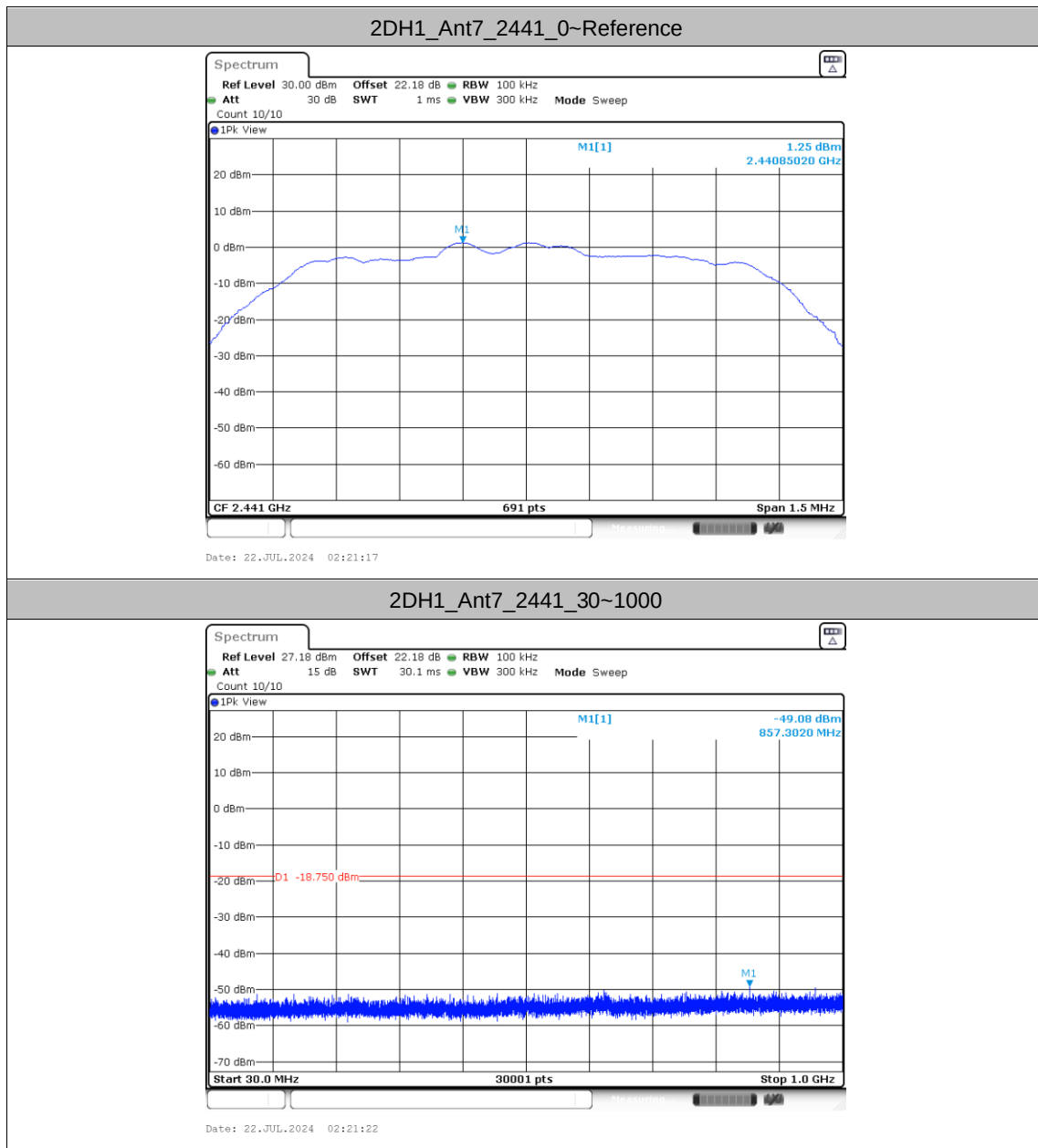
DH5_Ant7_2441_1000~26500





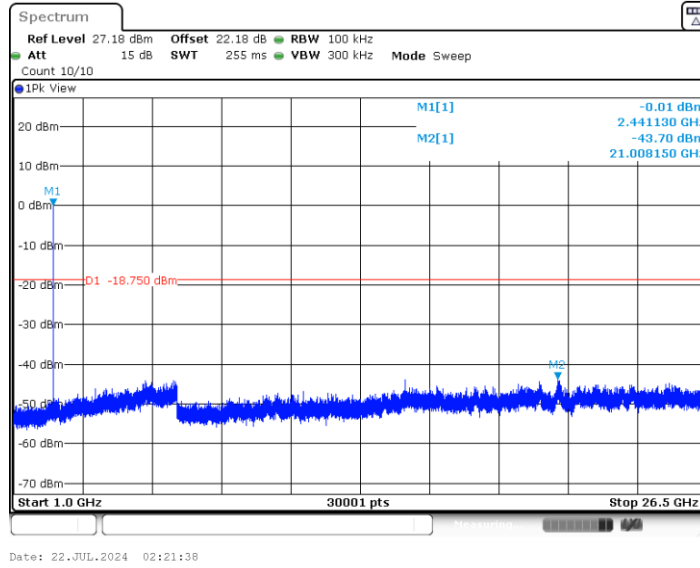




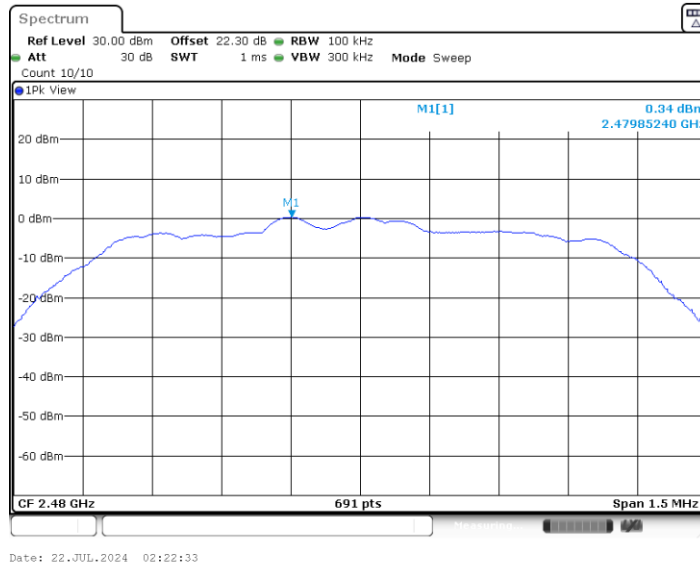


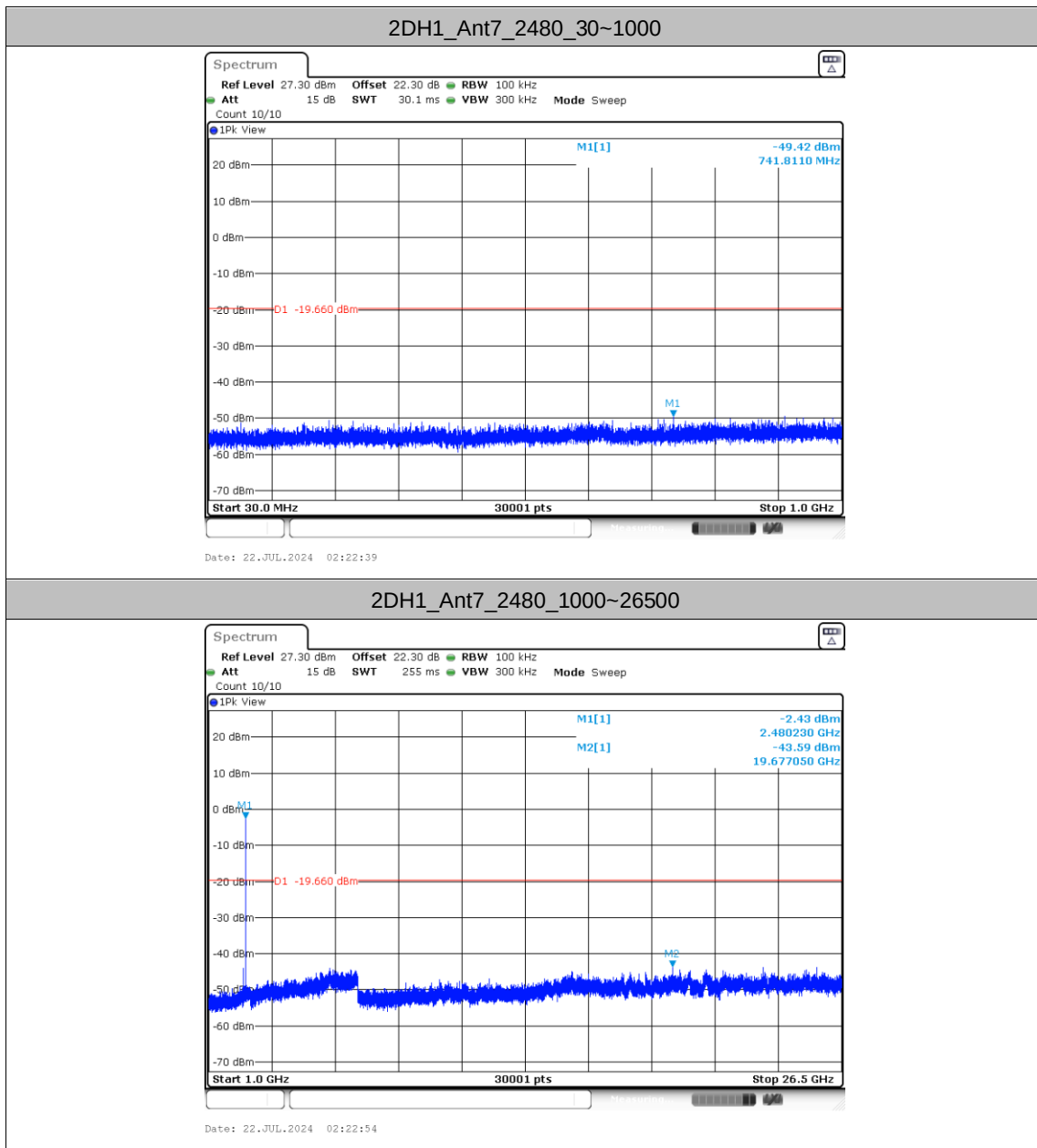


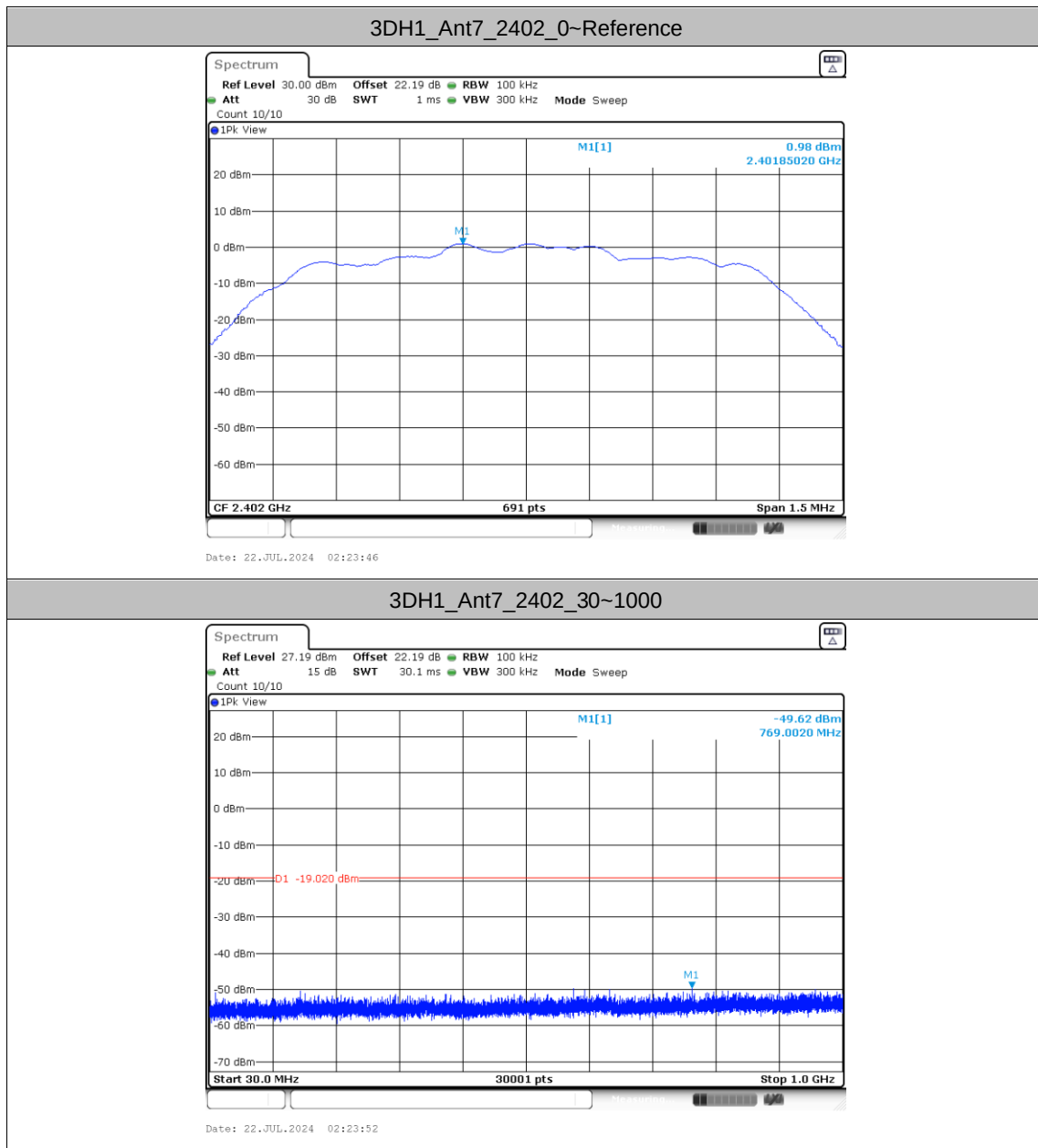
2DH1_Ant7_2441_1000~26500

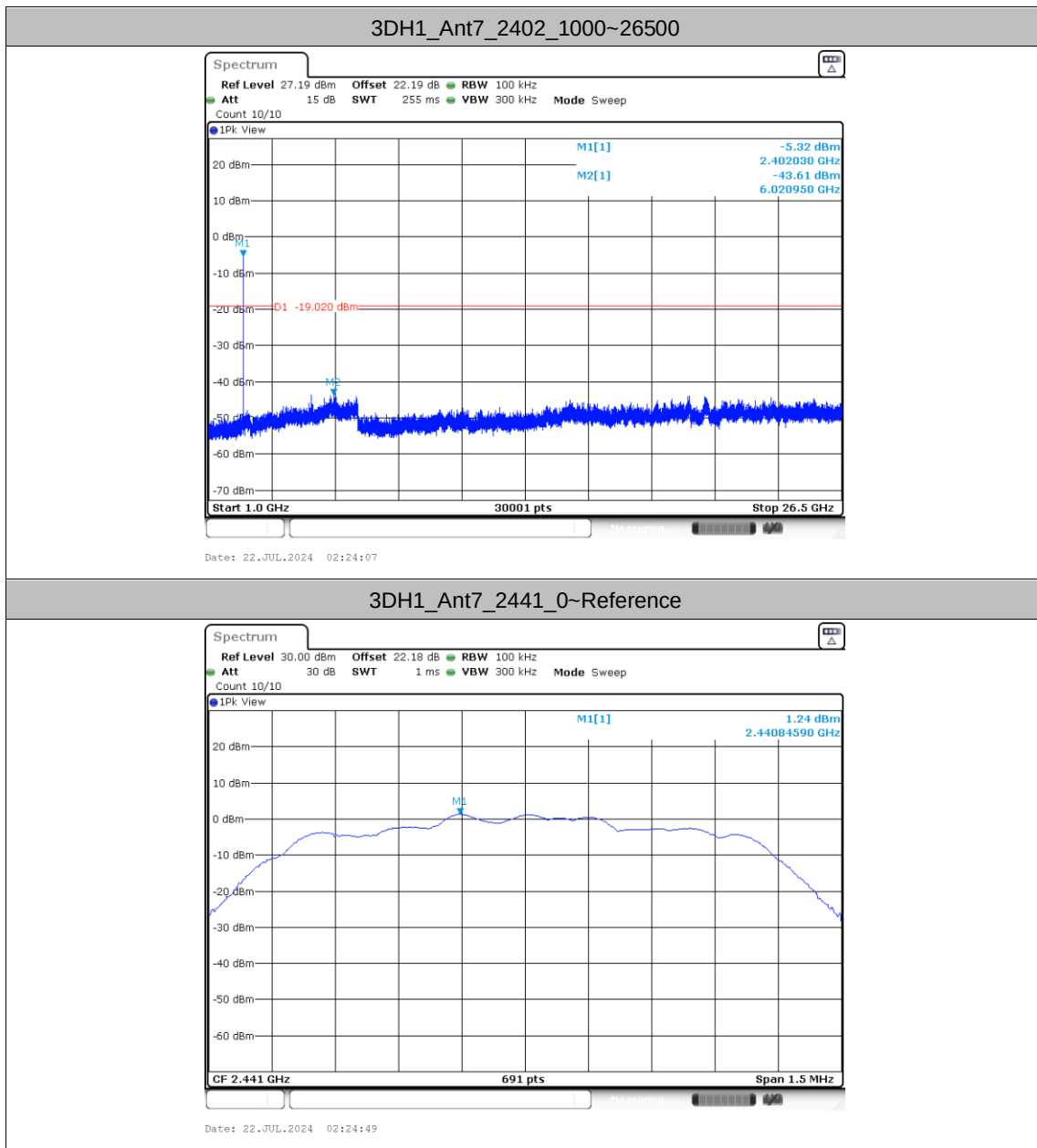


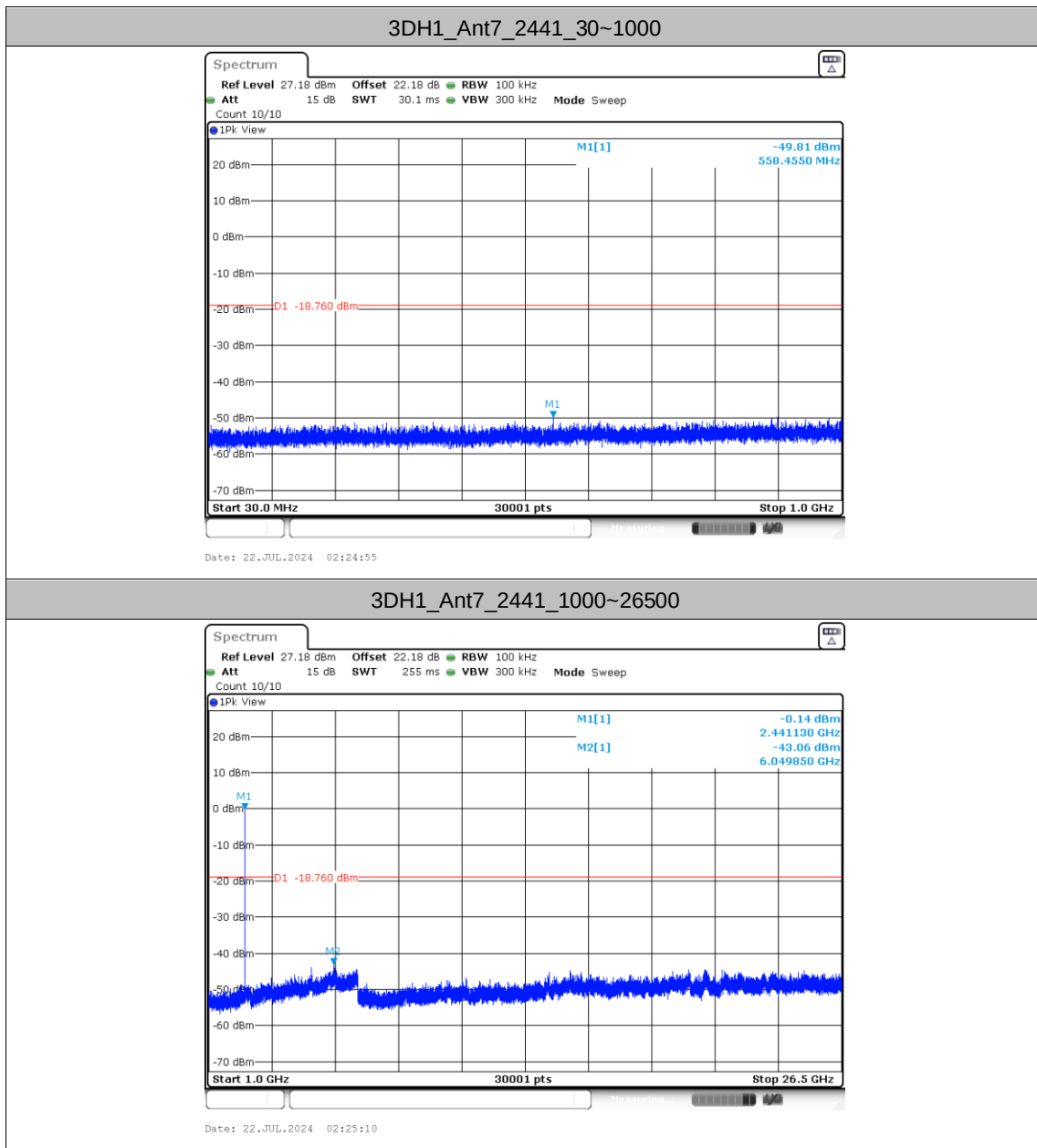
2DH1_Ant7_2480_0~Reference

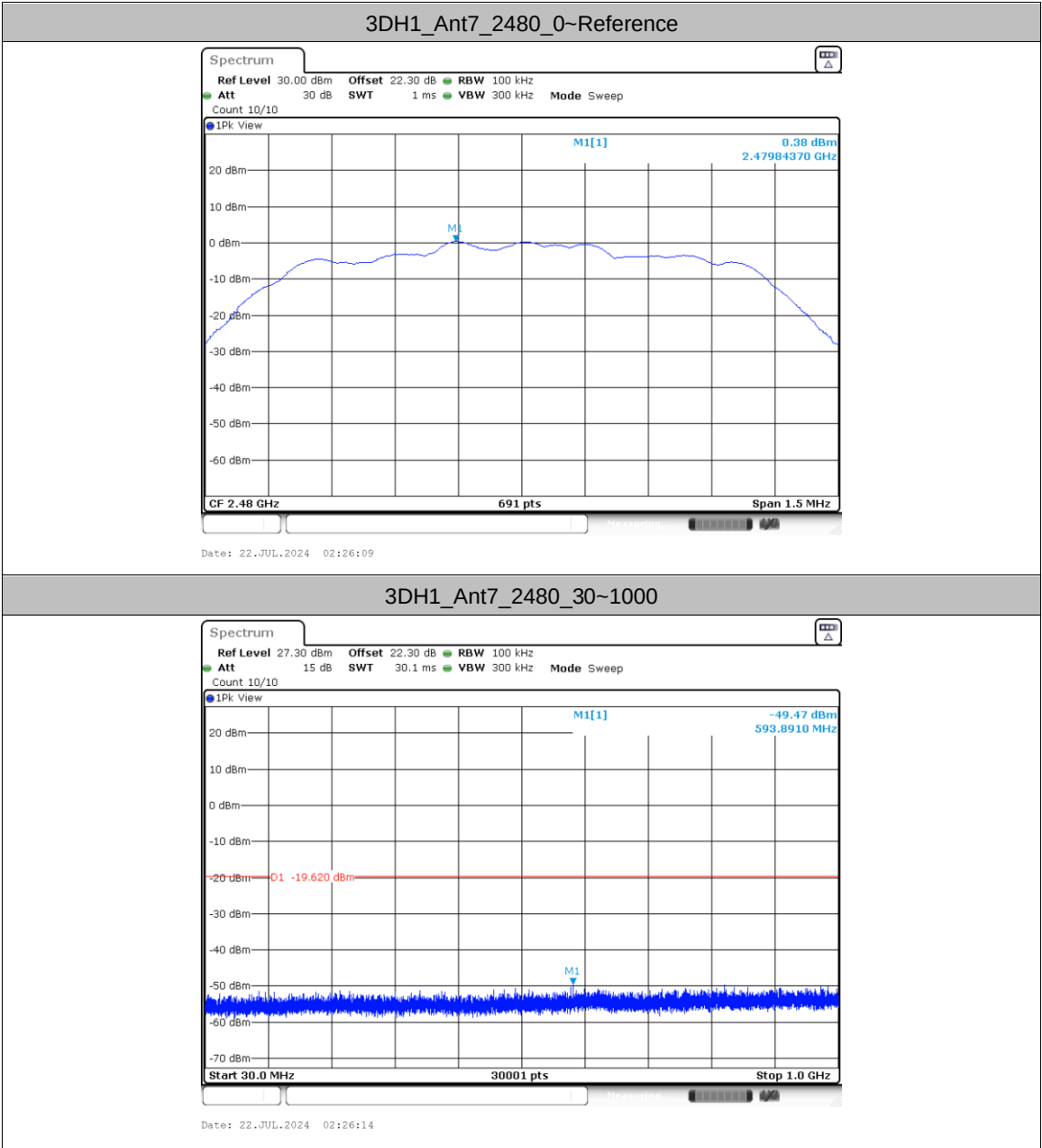


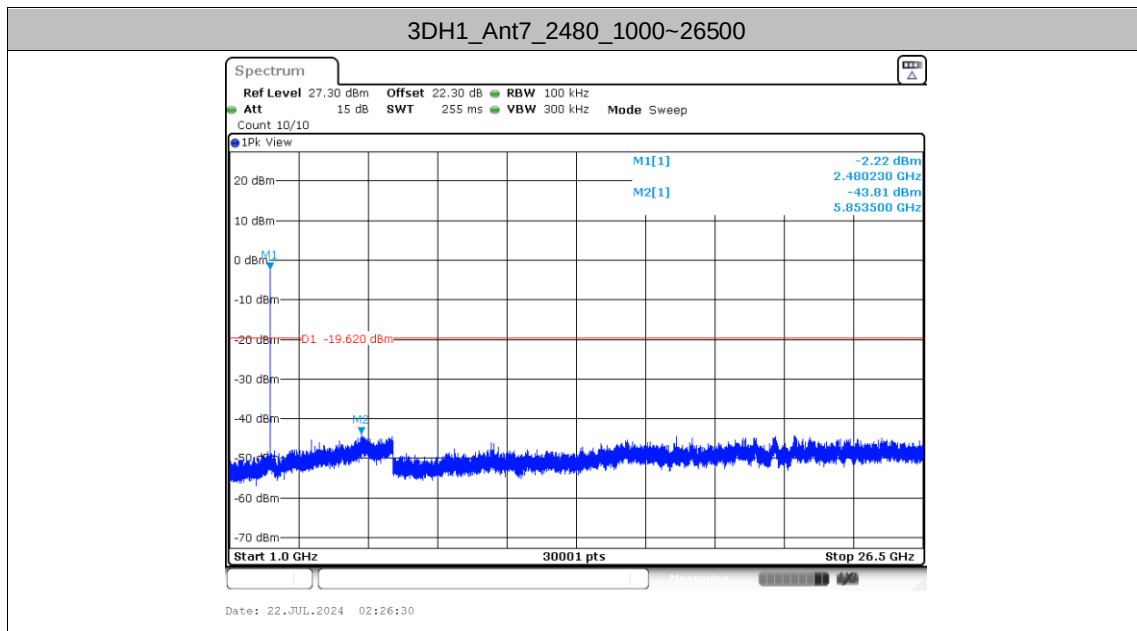








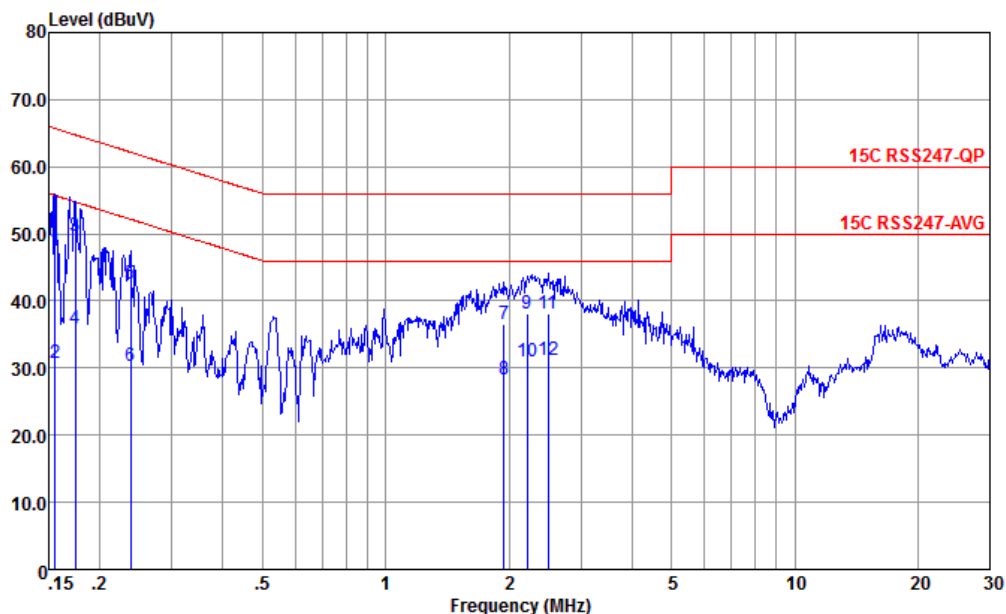






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	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.		

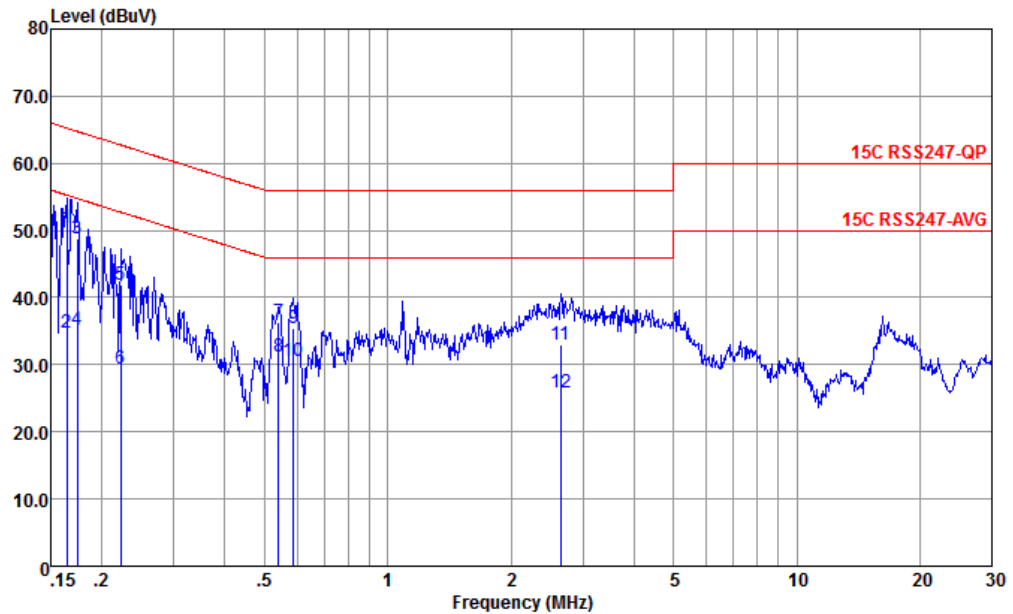


Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-L 2024 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.156	47.43	-18.26	65.69	36.89	0.12	10.42	QP
2	0.156	30.73	-24.96	55.69	20.19	0.12	10.42	Average
3	0.174	49.71	-15.06	64.77	39.20	0.10	10.41	QP
4	0.174	35.81	-18.96	54.77	25.30	0.10	10.41	Average
5	0.238	42.66	-19.51	62.17	32.20	0.08	10.38	QP
6	0.238	30.36	-21.81	52.17	19.90	0.08	10.38	Average
7	1.949	36.46	-19.54	56.00	26.60	-0.22	10.08	QP
8	1.949	28.36	-17.64	46.00	18.50	-0.22	10.08	Average
9	2.213	38.07	-17.93	56.00	28.19	-0.20	10.08	QP
10	2.213	31.07	-14.93	46.00	21.19	-0.20	10.08	Average
11	2.500	38.09	-17.91	56.00	28.21	-0.19	10.07	QP
12 *	2.500	31.19	-14.81	46.00	21.31	-0.19	10.07	Average



Test Engineer :	Amos Zhang	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 *	0.164	50.44	-14.81	65.25	39.90	0.12	10.42	QP
2	0.164	34.74	-20.51	55.25	24.20	0.12	10.42	Average
3	0.174	48.74	-16.03	64.77	38.20	0.13	10.41	QP
4	0.174	35.14	-19.63	54.77	24.60	0.13	10.41	Average
5	0.222	41.96	-20.78	62.74	31.51	0.06	10.39	QP
6	0.222	29.36	-23.38	52.74	18.91	0.06	10.39	Average
7	0.541	36.25	-19.75	56.00	26.20	-0.15	10.20	QP
8	0.541	31.15	-14.85	46.00	21.10	-0.15	10.20	Average
9	0.589	35.52	-20.48	56.00	25.50	-0.16	10.18	QP
10	0.589	30.62	-15.38	46.00	20.60	-0.16	10.18	Average
11	2.650	33.07	-22.93	56.00	23.20	-0.20	10.07	QP
12	2.650	25.77	-20.23	46.00	15.90	-0.20	10.07	Average

Note:

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

Appendix C. Radiated Spurious Emission Test Data

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

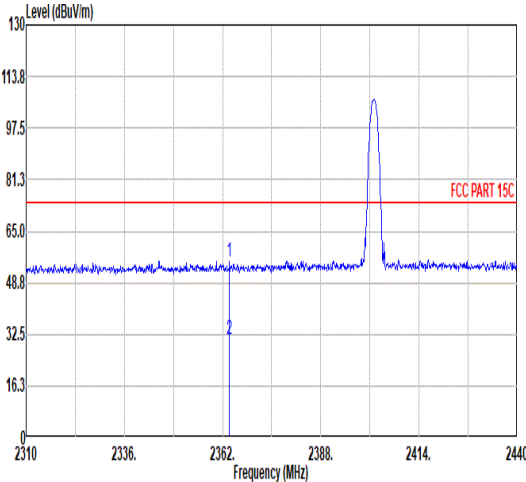
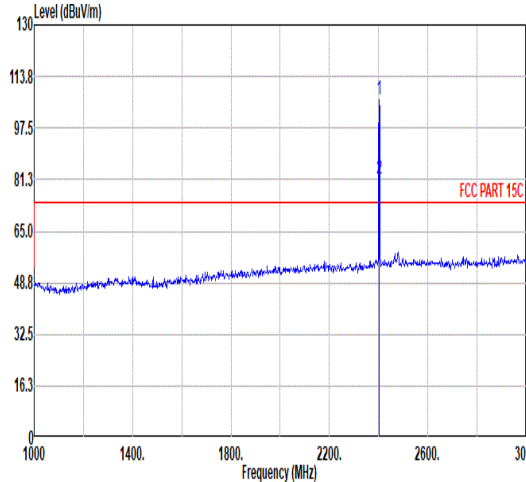
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 1	2400-2483.5	7	Bluetooth BR_GFSK	0	2402	DH5	-	-
Mode 2	2400-2483.5	7	Bluetooth BR_GFSK	39	2441	DH5	-	-
Mode 3	2400-2483.5	7	Bluetooth BR_GFSK	78	2480	DH5	-	-

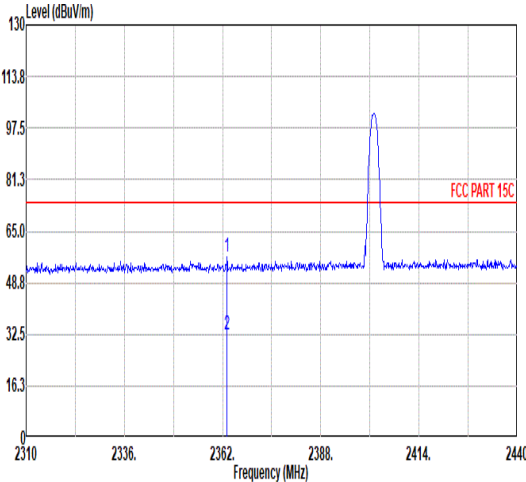
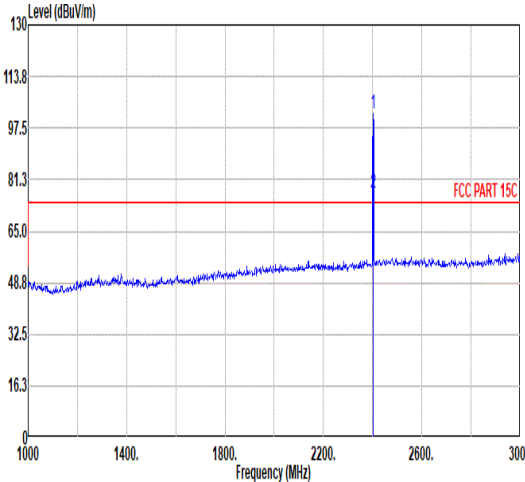
Summary of each worse mode

Mode	Modulation	C h.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	Bluetooth BR_GFSK	0	2363.17	56.93	74.00	-17.07	V	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	0	4804.00	42.57	74.00	-31.43	V	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	7323.00	44.97	74.00	-29.03	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2484.42	56.39	74.00	-17.61	V	PEAK	Pass	Band Edge
3	Bluetooth BR_GFSK	78	7440.00	44.84	74.00	-29.16	H	PEAK	Pass	Harmonic

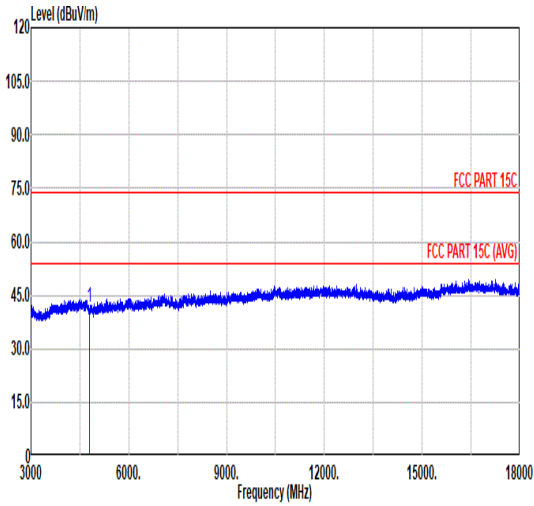
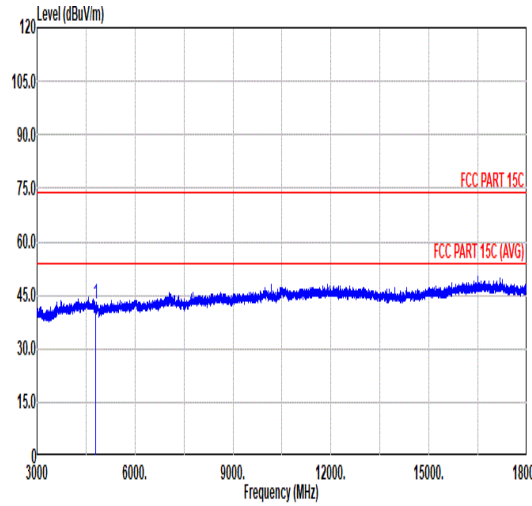


Mode	1																																																																			
	Band Edge																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH0_2402MHz																																																																			
ANT	7																																																																			
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><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>2363.82</td><td>55.55</td><td>74.00</td><td>-18.45</td><td>43.01</td><td>32.17</td><td>6.56</td><td>32.19</td><td>6.00</td><td>134</td><td>293 PEAK</td></tr><tr><td>2</td><td>2363.82</td><td>30.76</td><td>54.00</td><td>-23.24</td><td>18.22</td><td>32.17</td><td>6.56</td><td>32.19</td><td>6.00</td><td>134</td><td>293 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	2363.82	55.55	74.00	-18.45	43.01	32.17	6.56	32.19	6.00	134	293 PEAK	2	2363.82	30.76	54.00	-23.24	18.22	32.17	6.56	32.19	6.00	134	293 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	2363.82	55.55	74.00	-18.45	43.01	32.17	6.56	32.19	6.00	134	293 PEAK																																																									
2	2363.82	30.76	54.00	-23.24	18.22	32.17	6.56	32.19	6.00	134	293 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>106.41</td><td>-----</td><td>-----</td><td>93.38</td><td>32.59</td><td>6.62</td><td>32.18</td><td>6.00</td><td>134</td><td>293 PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>81.62</td><td>-----</td><td>-----</td><td>68.59</td><td>32.59</td><td>6.62</td><td>32.18</td><td>6.00</td><td>134</td><td>293 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	106.41	-----	-----	93.38	32.59	6.62	32.18	6.00	134	293 PEAK	2	2402.00	81.62	-----	-----	68.59	32.59	6.62	32.18	6.00	134	293 AVERAGE
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1	2402.00	106.41	-----	-----	93.38	32.59	6.62	32.18	6.00	134	293 PEAK																																																									
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1	2402.00	101.96	-----	-----	88.93	32.59	6.62	32.18	6.00	302	18 PEAK																																																																																																																		
2	2402.00	77.17	-----	-----	64.14	32.59	6.62	32.18	6.00	302	18 AVERAGE																																																																																																																		

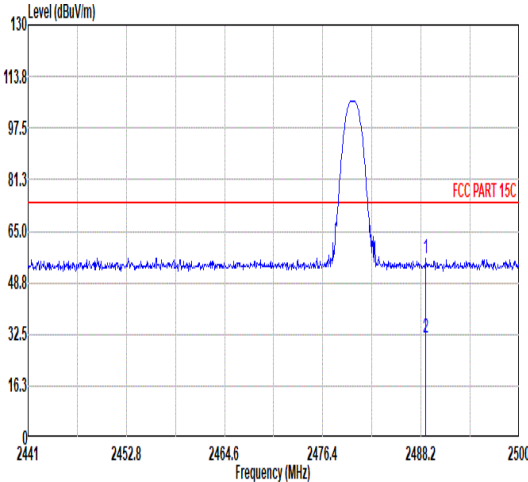


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	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																															
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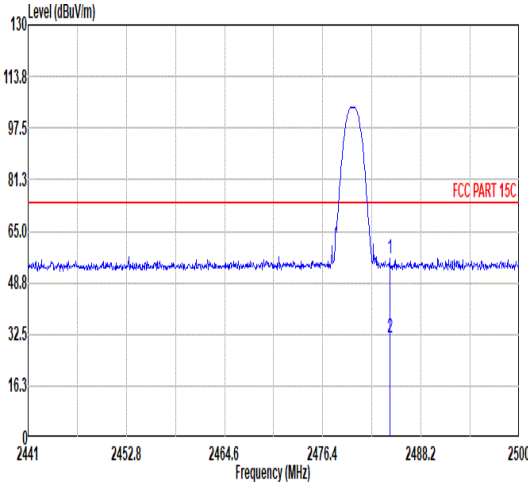
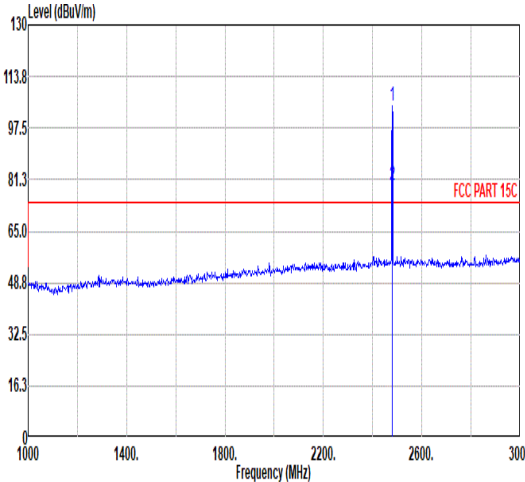


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		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																										
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1	4882.00	41.69	74.00	-32.31	59.24	34.14	9.53	61.22	0.00	---	PEAK																																																									
2	7323.00	44.97	74.00	-29.03	58.33	35.70	11.69	60.75	0.00	---	PEAK																																																									
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	<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>4882.00</td><td>41.47</td><td>74.00</td><td>-32.53</td><td>59.02</td><td>34.14</td><td>9.53</td><td>61.22</td><td>0.00</td><td>---</td><td>PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>44.42</td><td>74.00</td><td>-29.58</td><td>57.78</td><td>35.70</td><td>11.69</td><td>60.75</td><td>0.00</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	4882.00	41.47	74.00	-32.53	59.02	34.14	9.53	61.22	0.00	---	PEAK	2	7323.00	44.42	74.00	-29.58	57.78	35.70	11.69	60.75	0.00	---	PEAK
		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																										
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1	4882.00	41.47	74.00	-32.53	59.02	34.14	9.53	61.22	0.00	---	PEAK																																																									
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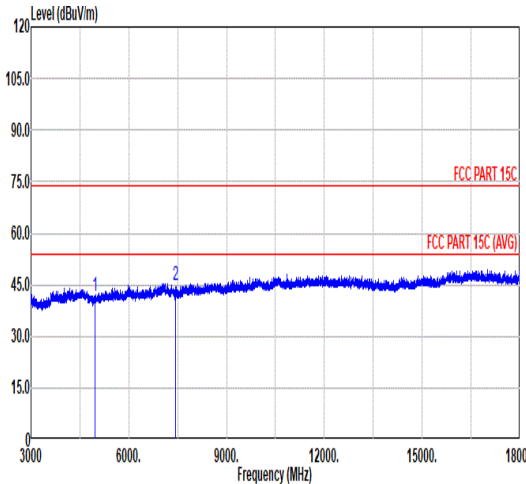
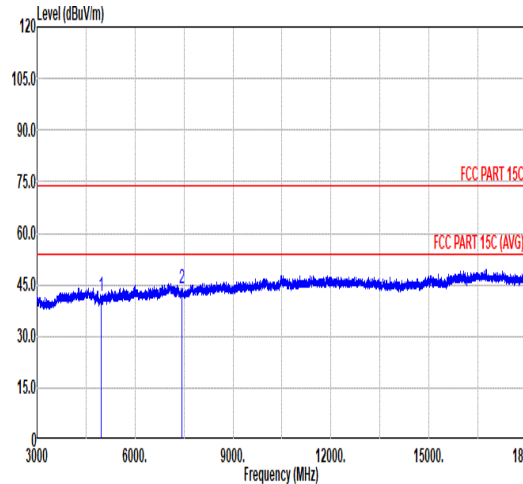


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Pol.	Horizontal																																																																	
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		Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																								
	Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																							
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1	2480.79	56.30	74.00	-17.70	43.17	32.63	6.74	32.24	6.00	106 360 PEAK																																																								
2	2480.79	31.51	54.00	-22.49	18.38	32.63	6.74	32.24	6.00	106 360 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>106.18</td><td>-----</td><td>-----</td><td>93.10</td><td>32.58</td><td>6.73</td><td>32.23</td><td>6.00</td><td>106 360 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>81.39</td><td>-----</td><td>-----</td><td>68.31</td><td>32.58</td><td>6.73</td><td>32.23</td><td>6.00</td><td>106 360 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	106.18	-----	-----	93.10	32.58	6.73	32.23	6.00	106 360 PEAK	2	2480.00	81.39	-----	-----	68.31	32.58	6.73	32.23	6.00	106 360 AVERAGE	
	Limit	Over	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																									
Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																								
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1	2480.00	106.18	-----	-----	93.10	32.58	6.73	32.23	6.00	106 360 PEAK																																																								
2	2480.00	81.39	-----	-----	68.31	32.58	6.73	32.23	6.00	106 360 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>106.18</td><td>-----</td><td>-----</td><td>93.10</td><td>32.58</td><td>6.73</td><td>32.23</td><td>6.00</td><td>106 360 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>81.39</td><td>-----</td><td>-----</td><td>68.31</td><td>32.58</td><td>6.73</td><td>32.23</td><td>6.00</td><td>106 360 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	106.18	-----	-----	93.10	32.58	6.73	32.23	6.00	106 360 PEAK	2	2480.00	81.39	-----	-----	68.31	32.58	6.73	32.23	6.00	106 360 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	106.18	-----	-----	93.10	32.58	6.73	32.23	6.00	106 360 PEAK																																																								
2	2480.00	81.39	-----	-----	68.31	32.58	6.73	32.23	6.00	106 360 AVERAGE																																																								



Mode	3																																																																	
	Band Edge																																																																	
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																	
ANT	7																																																																	
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></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>2480.42</td><td>56.39</td><td>74.00</td><td>-17.61</td><td>43.28</td><td>32.61</td><td>6.73</td><td>32.23</td><td>6.00</td><td>313</td><td>12 PEAK</td></tr><tr><td>2</td><td>2480.42</td><td>31.60</td><td>54.00</td><td>-22.40</td><td>18.49</td><td>32.61</td><td>6.73</td><td>32.23</td><td>6.00</td><td>313</td><td>12 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	2480.42	56.39	74.00	-17.61	43.28	32.61	6.73	32.23	6.00	313	12 PEAK	2	2480.42	31.60	54.00	-22.40	18.49	32.61	6.73	32.23	6.00	313	12 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	2480.42	56.39	74.00	-17.61	43.28	32.61	6.73	32.23	6.00	313	12 PEAK																																																							
2	2480.42	31.60	54.00	-22.40	18.49	32.61	6.73	32.23	6.00	313	12 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></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>104.26</td><td>-----</td><td>-----</td><td>91.18</td><td>32.58</td><td>6.73</td><td>32.23</td><td>6.00</td><td>313</td><td>12 PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>79.47</td><td>-----</td><td>-----</td><td>66.39</td><td>32.58</td><td>6.73</td><td>32.23</td><td>6.00</td><td>313</td><td>12 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	104.26	-----	-----	91.18	32.58	6.73	32.23	6.00	313	12 PEAK	2	2480.00	79.47	-----	-----	66.39	32.58	6.73	32.23	6.00	313	12 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	104.26	-----	-----	91.18	32.58	6.73	32.23	6.00	313	12 PEAK																																																							
2	2480.00	79.47	-----	-----	66.39	32.58	6.73	32.23	6.00	313	12 AVERAGE																																																							

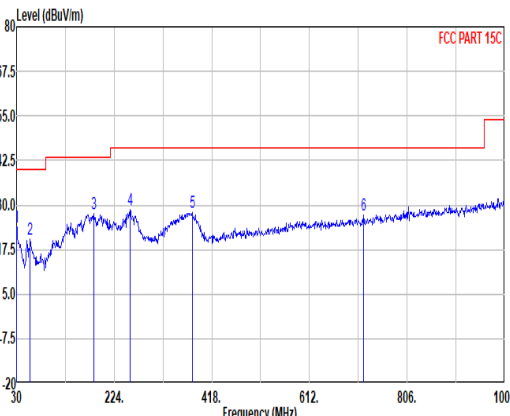
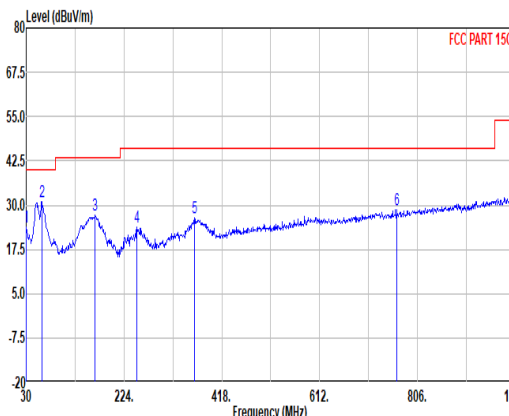


Mode	3																																																																			
	Harmonic																																																																			
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																			
ANT	7																																																																			
Pol.	Horizontal																																																																			
Peak Avg																																																																				
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		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	4960.00	41.71	74.00	-32.29	59.26	34.00	9.61	61.16	0.00	---	PEAK																																																									
2	7440.00	44.84	74.00	-29.16	58.39	35.70	11.77	61.02	0.00	---	PEAK																																																									
Vertical																																																																				
	<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>4960.00</td><td>41.81</td><td>74.00</td><td>-32.19</td><td>59.36</td><td>34.00</td><td>9.61</td><td>61.16</td><td>0.00</td><td>---</td><td>PEAK</td></tr><tr><td>2</td><td>7440.00</td><td>43.82</td><td>74.00</td><td>-30.18</td><td>57.37</td><td>35.70</td><td>11.77</td><td>61.02</td><td>0.00</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	4960.00	41.81	74.00	-32.19	59.36	34.00	9.61	61.16	0.00	---	PEAK	2	7440.00	43.82	74.00	-30.18	57.37	35.70	11.77	61.02	0.00	---	PEAK
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Freq	Level	Line	Limit	Level	Factor	Loss	Factor	Factor		Remark																																																										
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1	4960.00	41.81	74.00	-32.19	59.36	34.00	9.61	61.16	0.00	---	PEAK																																																									
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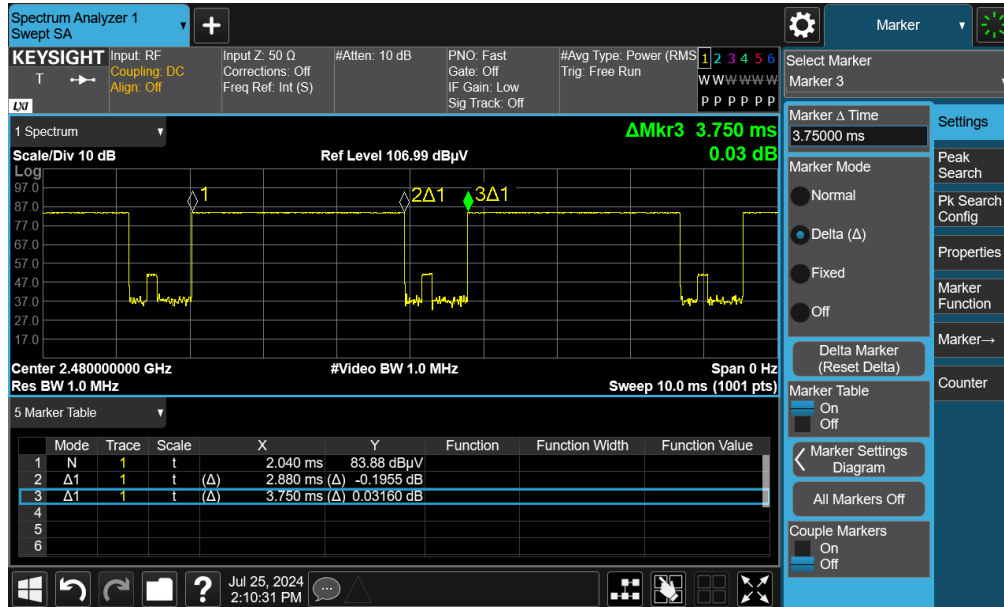
Mode	1	
	18G-25G	
	2400-2483.5_Bluetooth BR_GFSK_CH0_2402MHz	
ANT	7	
Pol.	Horizontal	Vertical
Peak Avg	The plot shows the signal level in dBuV/m versus frequency in MHz for horizontal polarization. The y-axis ranges from 0 to 130 dBuV/m with major ticks every 16.3 dB. The x-axis ranges from 18000 to 25000 MHz with major ticks every 400 MHz. A blue line represents the measured signal, which is relatively flat around 40 dBuV/m. Three horizontal red lines indicate FCC Part 15C limits: -50dB at 81.3 dBuV/m, FCC PART 15C (AVG) at 65.0 dBuV/m, and -50dB at 48.8 dBuV/m.	The plot shows the signal level in dBuV/m versus frequency in MHz for vertical polarization. The y-axis ranges from 0 to 130 dBuV/m with major ticks every 16.3 dB. The x-axis ranges from 18000 to 25000 MHz with major ticks every 400 MHz. A blue line represents the measured signal, which is relatively flat around 40 dBuV/m. Three horizontal red lines indicate FCC Part 15C limits: -50dB at 81.3 dBuV/m, FCC PART 15C (AVG) at 65.0 dBuV/m, and -50dB at 48.8 dBuV/m.



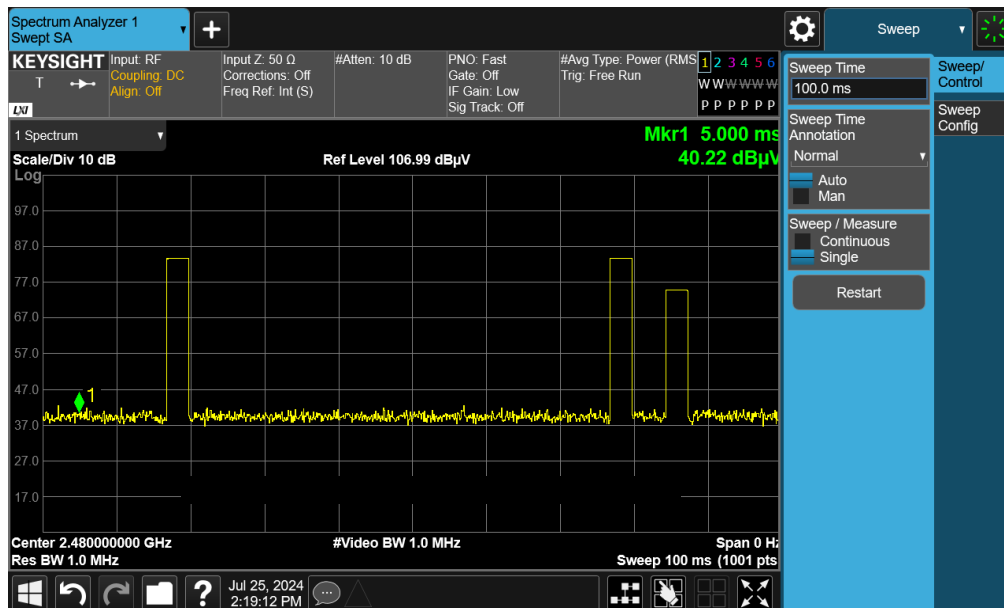
Mode	1																																																																																																																																																																																																											
	30-1G																																																																																																																																																																																																											
	2400-2483.5 Bluetooth BR_GFSK_CH0_2402MHz																																																																																																																																																																																																											
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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>30.00</td><td>23.87</td><td>40.00</td><td>-16.13</td><td>30.32</td><td>25.74</td><td>0.76</td><td>32.95</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>57.16</td><td>20.46</td><td>40.00</td><td>-19.54</td><td>39.32</td><td>12.85</td><td>1.04</td><td>32.75</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>183.26</td><td>27.47</td><td>43.50</td><td>-16.03</td><td>43.21</td><td>15.08</td><td>1.98</td><td>32.80</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>255.04</td><td>28.75</td><td>46.00</td><td>-17.25</td><td>40.55</td><td>19.11</td><td>2.14</td><td>33.05</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>379.20</td><td>27.88</td><td>46.00</td><td>-18.12</td><td>36.82</td><td>21.35</td><td>2.90</td><td>33.19</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>719.67</td><td>27.26</td><td>46.00</td><td>-18.74</td><td>29.71</td><td>27.01</td><td>4.00</td><td>33.46</td><td>0.00</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	30.00	23.87	40.00	-16.13	30.32	25.74	0.76	32.95	0.00	---	Peak	2	57.16	20.46	40.00	-19.54	39.32	12.85	1.04	32.75	0.00	---	Peak	3	183.26	27.47	43.50	-16.03	43.21	15.08	1.98	32.80	0.00	---	Peak	4	255.04	28.75	46.00	-17.25	40.55	19.11	2.14	33.05	0.00	---	Peak	5	379.20	27.88	46.00	-18.12	36.82	21.35	2.90	33.19	0.00	---	Peak	6	719.67	27.26	46.00	-18.74	29.71	27.01	4.00	33.46	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>30.00</td><td>23.66</td><td>40.00</td><td>-16.34</td><td>30.11</td><td>25.74</td><td>0.76</td><td>32.95</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>2</td><td>61.04</td><td>31.04</td><td>40.00</td><td>-8.96</td><td>50.20</td><td>12.48</td><td>1.08</td><td>32.72</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>3</td><td>166.77</td><td>27.34</td><td>43.50</td><td>-16.16</td><td>42.13</td><td>16.04</td><td>1.88</td><td>32.71</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>4</td><td>249.22</td><td>23.64</td><td>46.00</td><td>-22.36</td><td>36.19</td><td>18.44</td><td>2.09</td><td>33.08</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>5</td><td>363.68</td><td>26.58</td><td>46.00</td><td>-19.42</td><td>35.09</td><td>20.96</td><td>2.82</td><td>33.09</td><td>0.00</td><td>---</td><td>Peak</td></tr><tr><td>6</td><td>765.26</td><td>28.63</td><td>46.00</td><td>-17.37</td><td>30.11</td><td>27.68</td><td>4.12</td><td>33.28</td><td>0.00</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	30.00	23.66	40.00	-16.34	30.11	25.74	0.76	32.95	0.00	---	Peak	2	61.04	31.04	40.00	-8.96	50.20	12.48	1.08	32.72	0.00	---	Peak	3	166.77	27.34	43.50	-16.16	42.13	16.04	1.88	32.71	0.00	---	Peak	4	249.22	23.64	46.00	-22.36	36.19	18.44	2.09	33.08	0.00	---	Peak	5	363.68	26.58	46.00	-19.42	35.09	20.96	2.82	33.09	0.00	---	Peak	6	765.26	28.63	46.00	-17.37	30.11	27.68	4.12	33.28	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	30.00	23.87	40.00	-16.13	30.32	25.74	0.76	32.95	0.00	---	Peak																																																																																																																																																																																																
	2	57.16	20.46	40.00	-19.54	39.32	12.85	1.04	32.75	0.00	---	Peak																																																																																																																																																																																																
	3	183.26	27.47	43.50	-16.03	43.21	15.08	1.98	32.80	0.00	---	Peak																																																																																																																																																																																																
	4	255.04	28.75	46.00	-17.25	40.55	19.11	2.14	33.05	0.00	---	Peak																																																																																																																																																																																																
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	6	719.67	27.26	46.00	-18.74	29.71	27.01	4.00	33.46	0.00	---	Peak																																																																																																																																																																																																
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1	30.00	23.66	40.00	-16.34	30.11	25.74	0.76	32.95	0.00	---	Peak																																																																																																																																																																																																	
2	61.04	31.04	40.00	-8.96	50.20	12.48	1.08	32.72	0.00	---	Peak																																																																																																																																																																																																	
3	166.77	27.34	43.50	-16.16	42.13	16.04	1.88	32.71	0.00	---	Peak																																																																																																																																																																																																	
4	249.22	23.64	46.00	-22.36	36.19	18.44	2.09	33.08	0.00	---	Peak																																																																																																																																																																																																	
5	363.68	26.58	46.00	-19.42	35.09	20.96	2.82	33.09	0.00	---	Peak																																																																																																																																																																																																	
6	765.26	28.63	46.00	-17.37	30.11	27.68	4.12	33.28	0.00	---	Peak																																																																																																																																																																																																	

Appendix D. Duty Cycle Plots

DH5 on time (One Pulse) Plot



DH5 on time (Count Pulses) Plot



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.