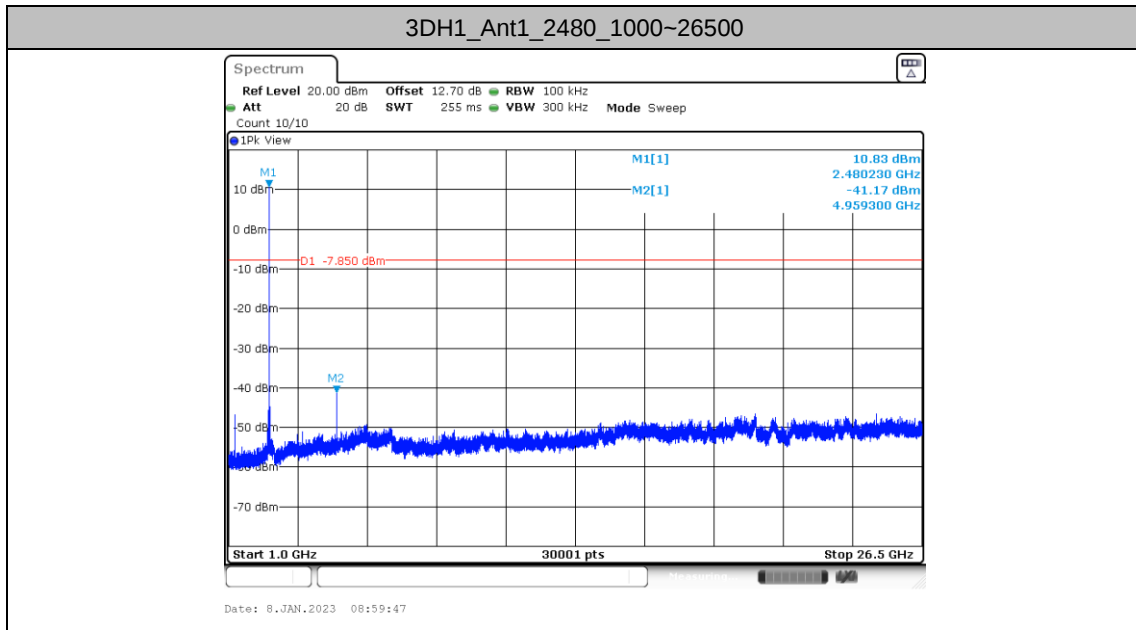






<ANT2- Right Earbuds>

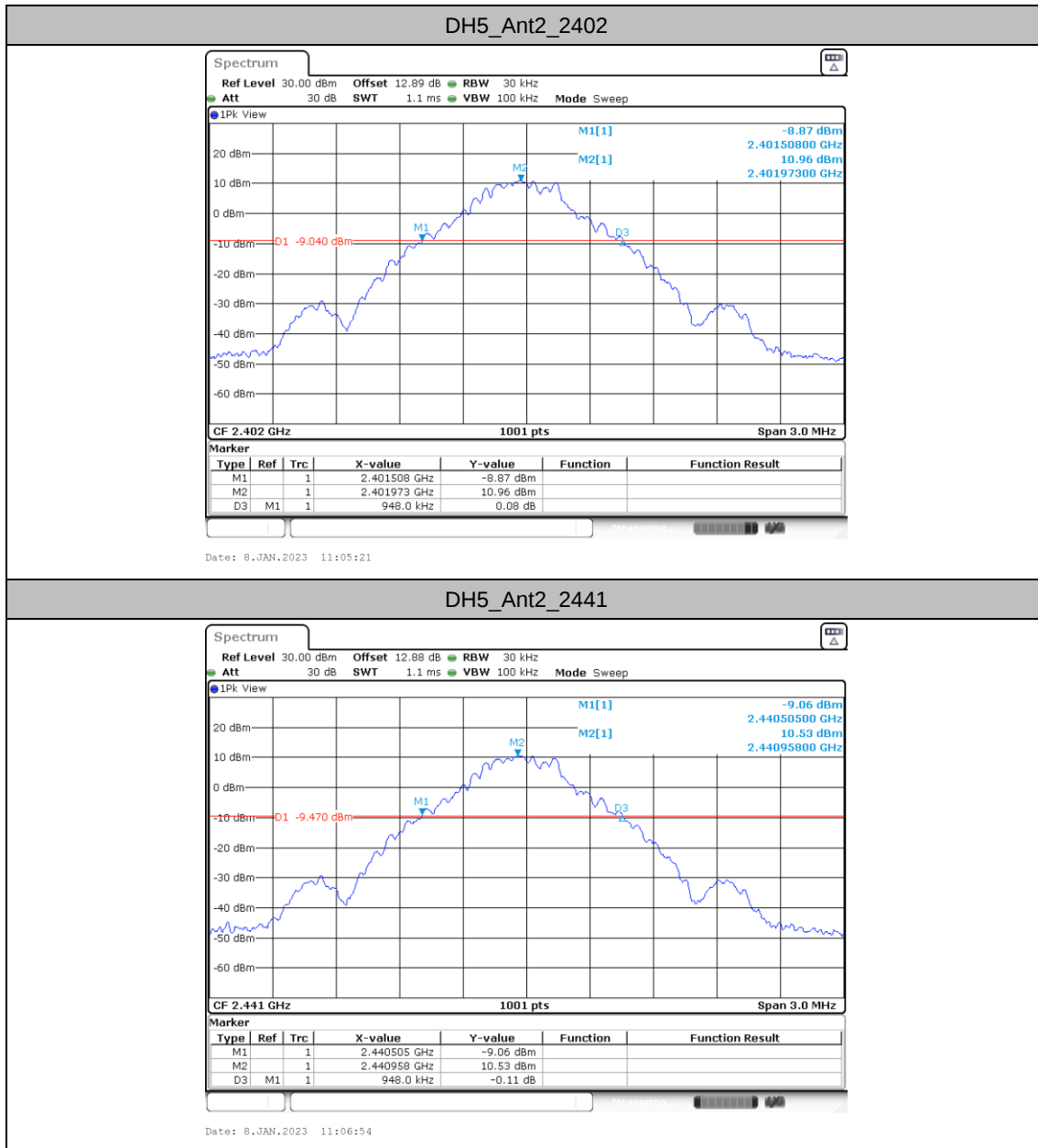
20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	0.95	2401.51	2402.46	---	---
		2441	0.95	2440.51	2441.45	---	---
		2480	0.95	2479.50	2480.45	---	---
2DH1	Ant2	2402	1.22	2401.35	2402.56	---	---
		2441	1.22	2440.35	2441.57	---	---
		2480	1.22	2479.35	2480.57	---	---
3DH1	Ant2	2402	1.21	2401.38	2402.59	---	---
		2441	1.22	2440.38	2441.59	---	---
		2480	1.22	2479.38	2480.59	---	---

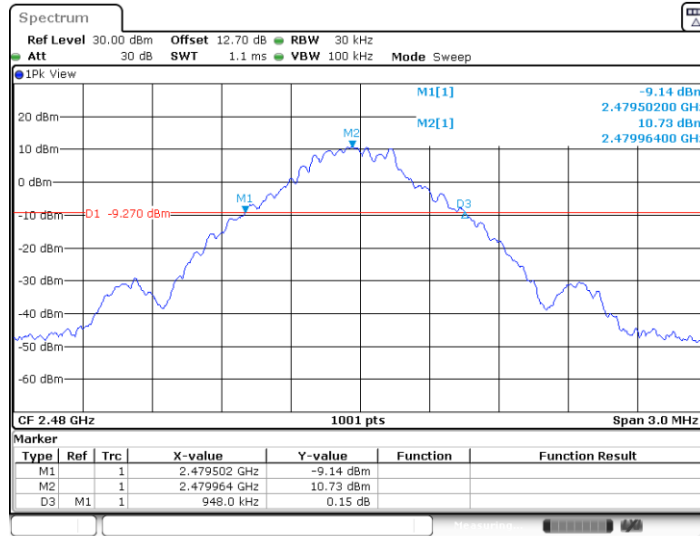


Test Graphs

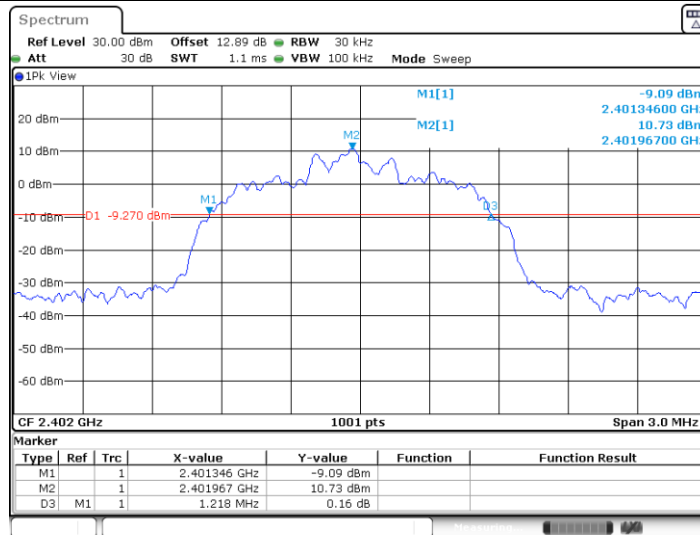




DH5_Ant2_2480

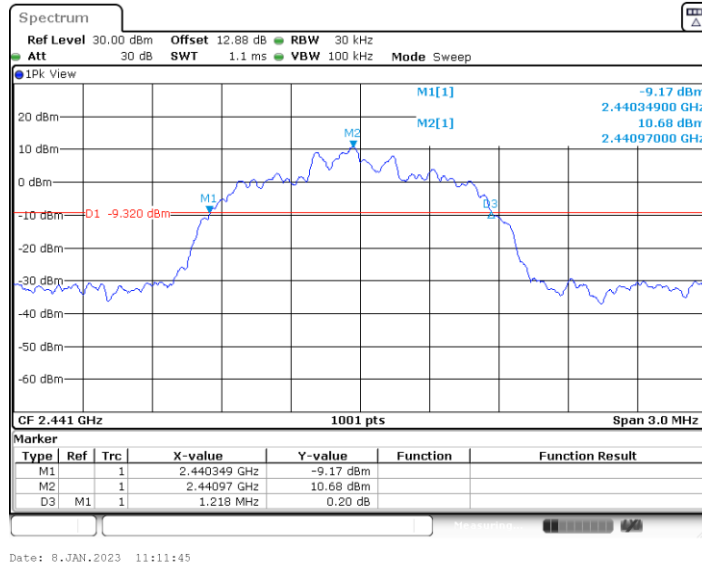


2DH1_Ant2_2402

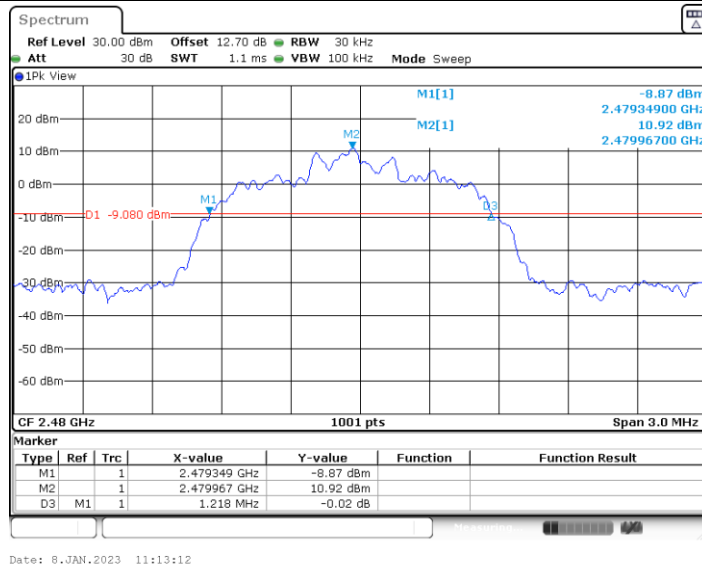




2DH1_Ant2_2441

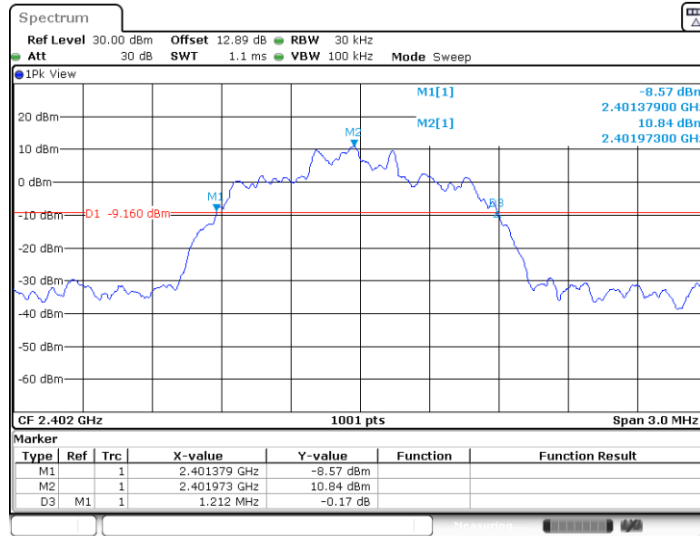


2DH1_Ant2_2480

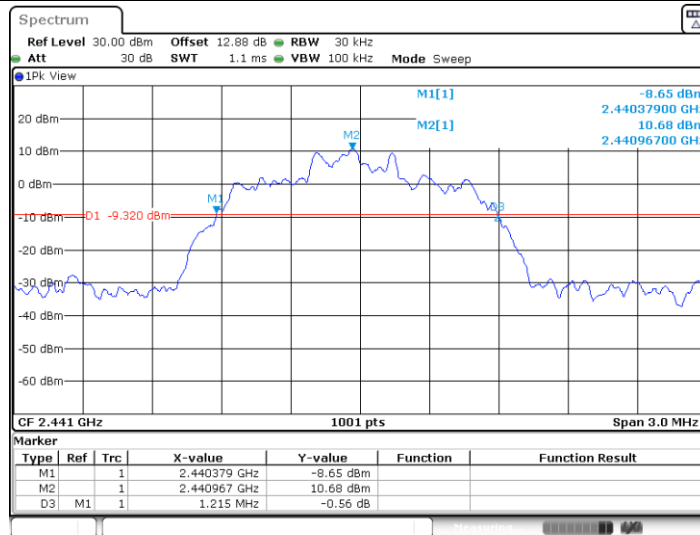


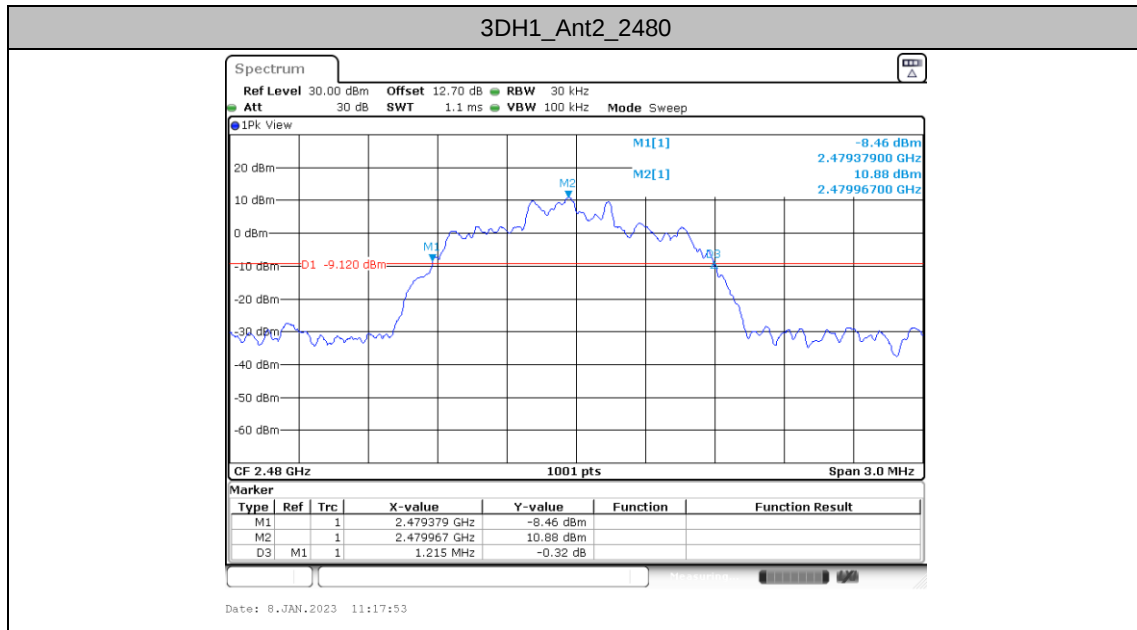


3DH1_Ant2_2402



3DH1_Ant2_2441







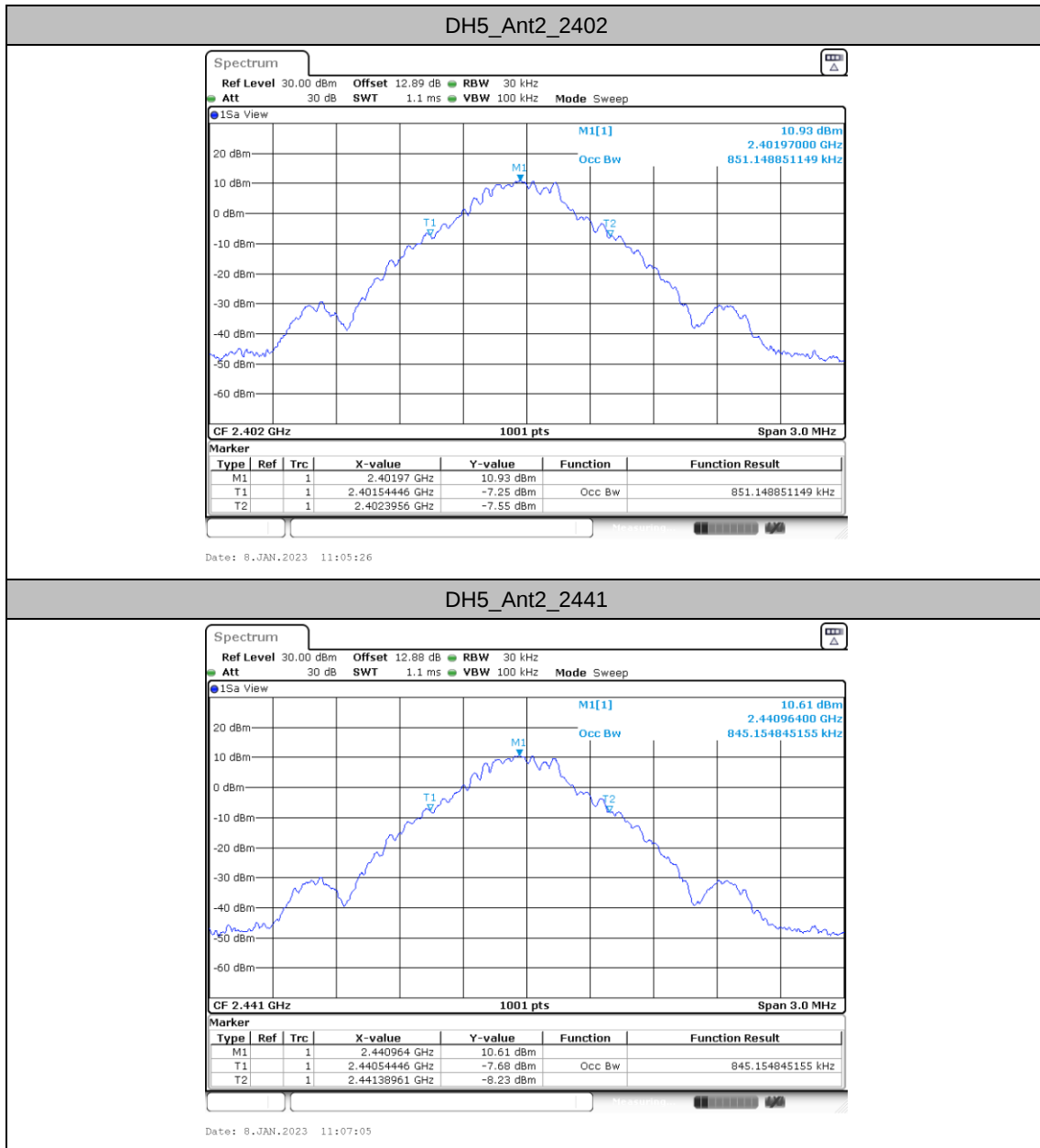
Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	0.851	2401.5445	2402.3956	---	---
		2441	0.845	2440.5445	2441.3896	---	---
		2480	0.848	2479.5415	2480.3896	---	---
2DH1	Ant2	2402	1.136	2401.3976	2402.5335	---	---
		2441	1.139	2440.3976	2441.5365	---	---
		2480	1.139	2479.3976	2480.5365	---	---
3DH1	Ant2	2402	1.112	2401.4276	2402.5395	---	---
		2441	1.118	2440.4246	2441.5425	---	---
		2480	1.118	2479.4246	2480.5425	---	---

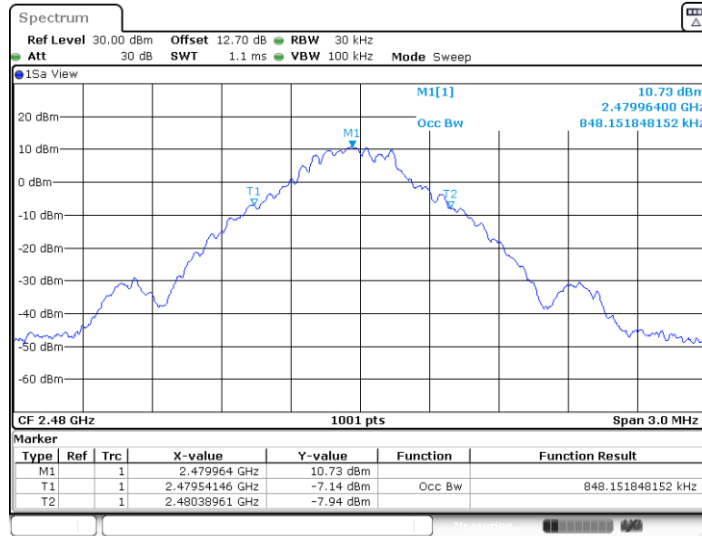


Test Graphs

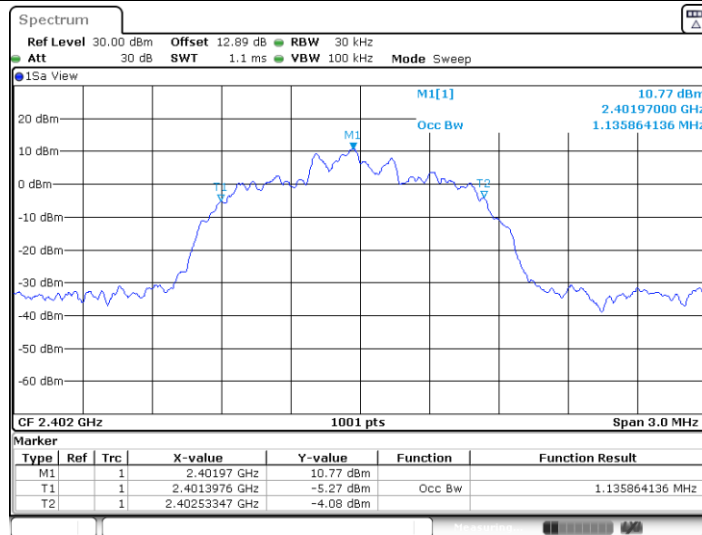




DH5_Ant2_2480

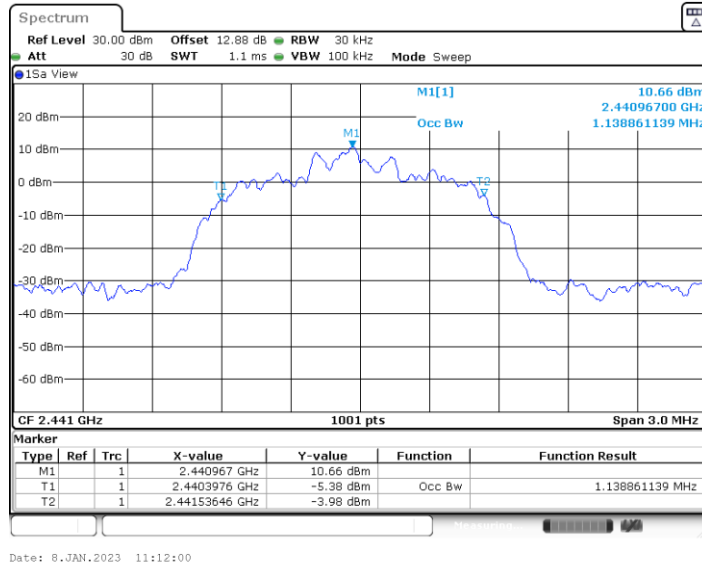


2DH1_Ant2_2402

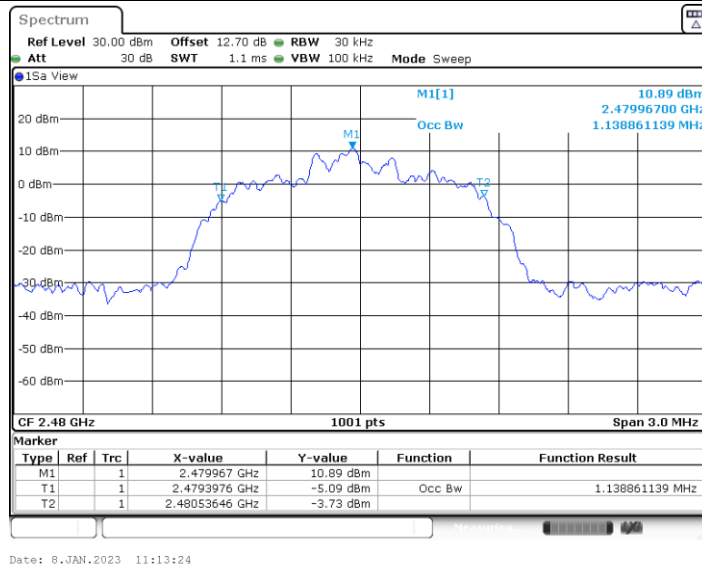




2DH1_Ant2_2441

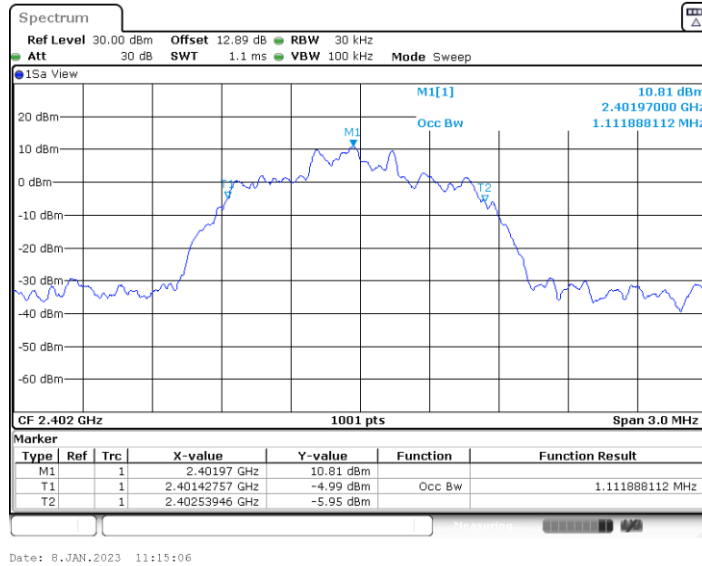


2DH1_Ant2_2480

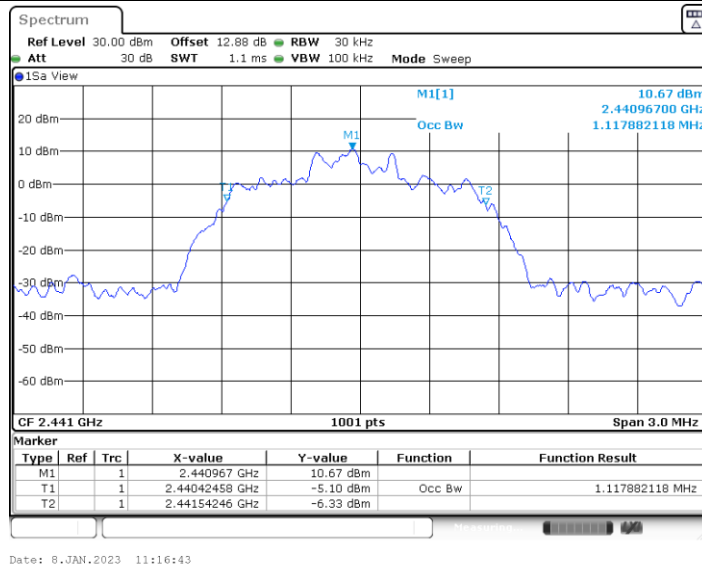


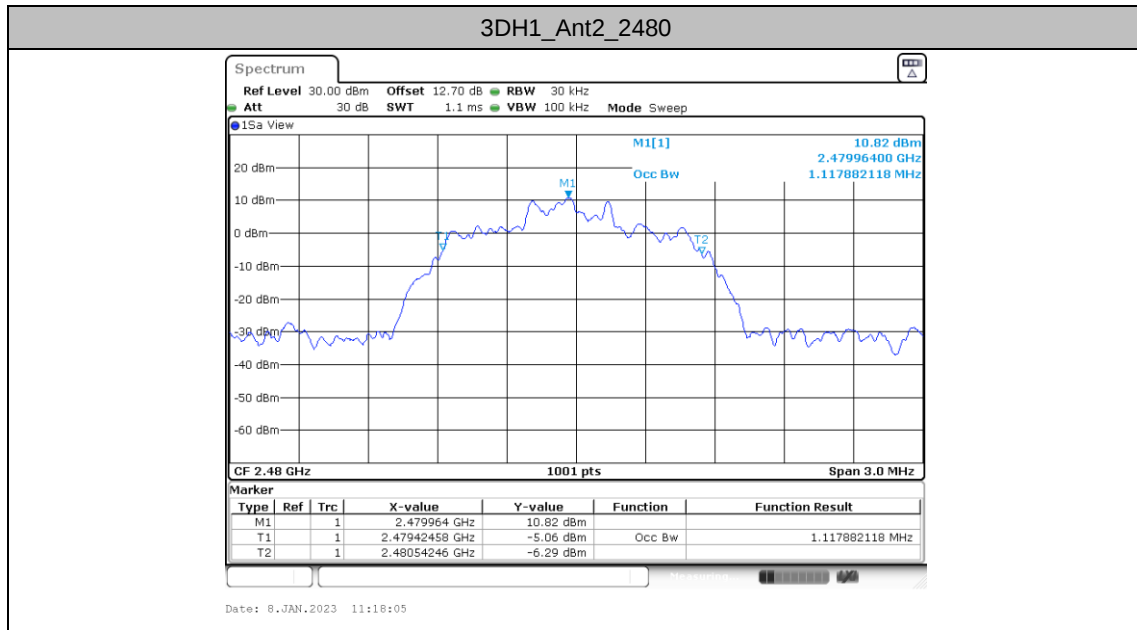


3DH1_Ant2_2402



3DH1_Ant2_2441







Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	1.017	≥ 0.633	PASS
		2441	0.996	≥ 0.633	PASS
		2480	1.009	≥ 0.633	PASS
2DH1	Ant2	2402	1.017	≥ 0.813	PASS
		2441	1.013	≥ 0.813	PASS
		2480	0.983	≥ 0.813	PASS
3DH1	Ant2	2402	0.996	≥ 0.807	PASS
		2441	1.009	≥ 0.813	PASS
		2480	0.991	≥ 0.813	PASS

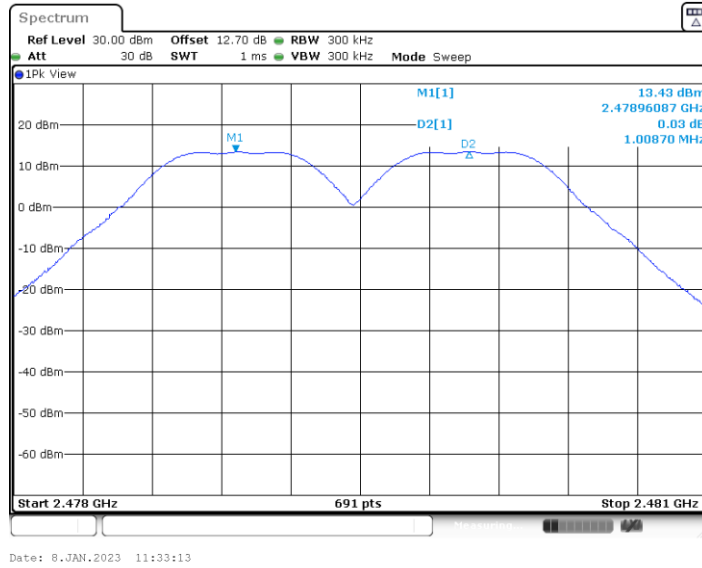


Test Graphs

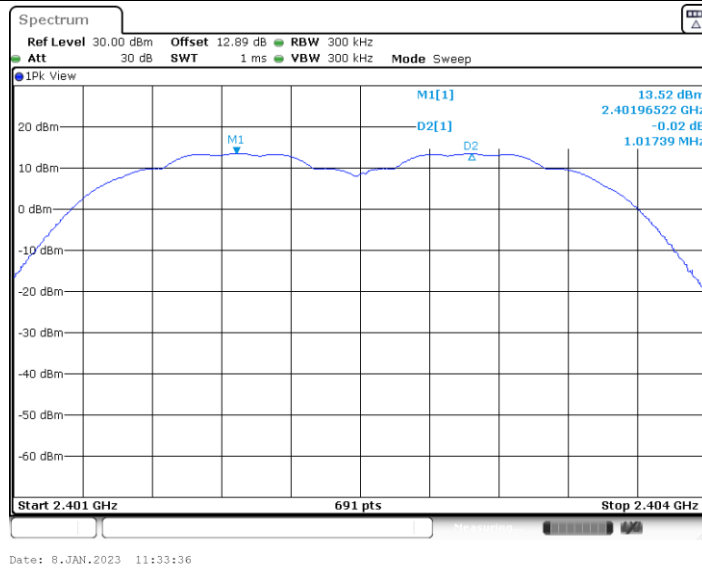




DH5_Ant2_2480

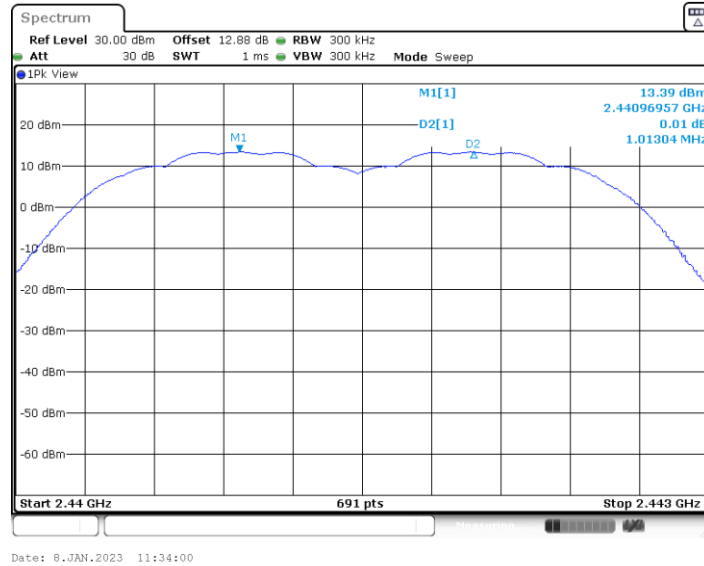


2DH1_Ant2_2402

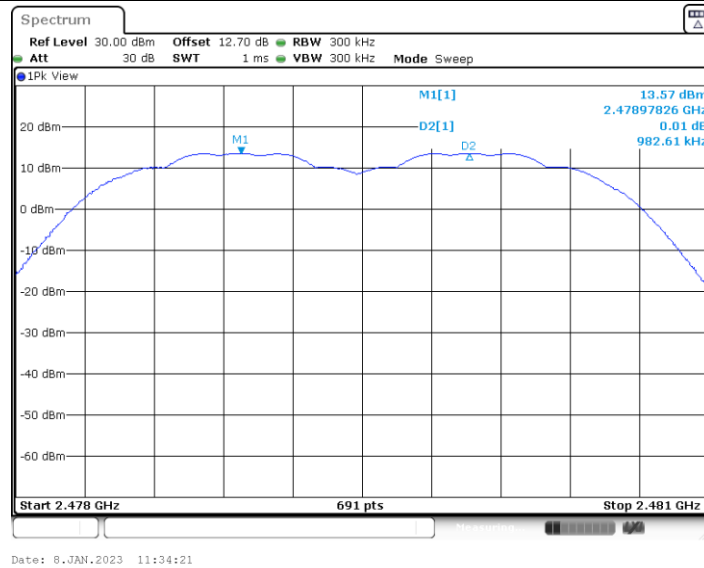




2DH1_Ant2_2441

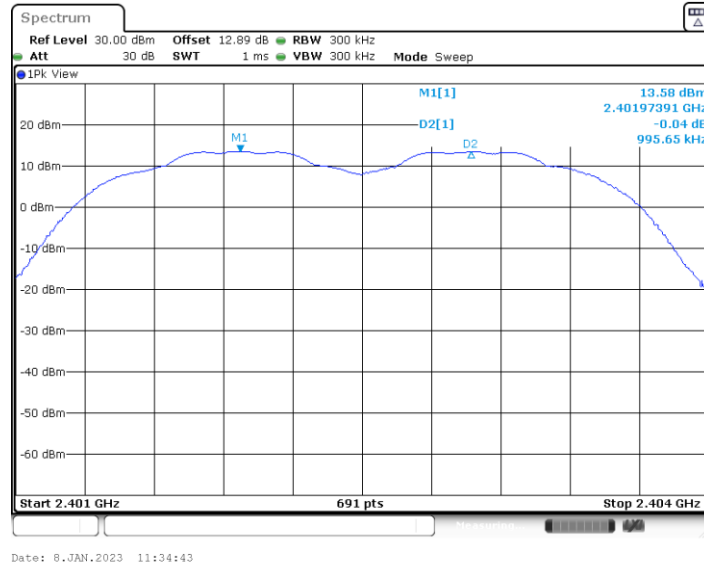


2DH1_Ant2_2480

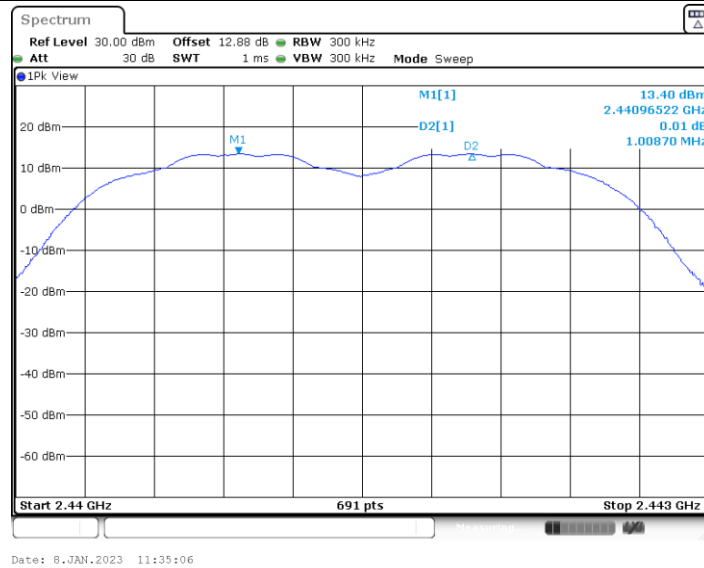


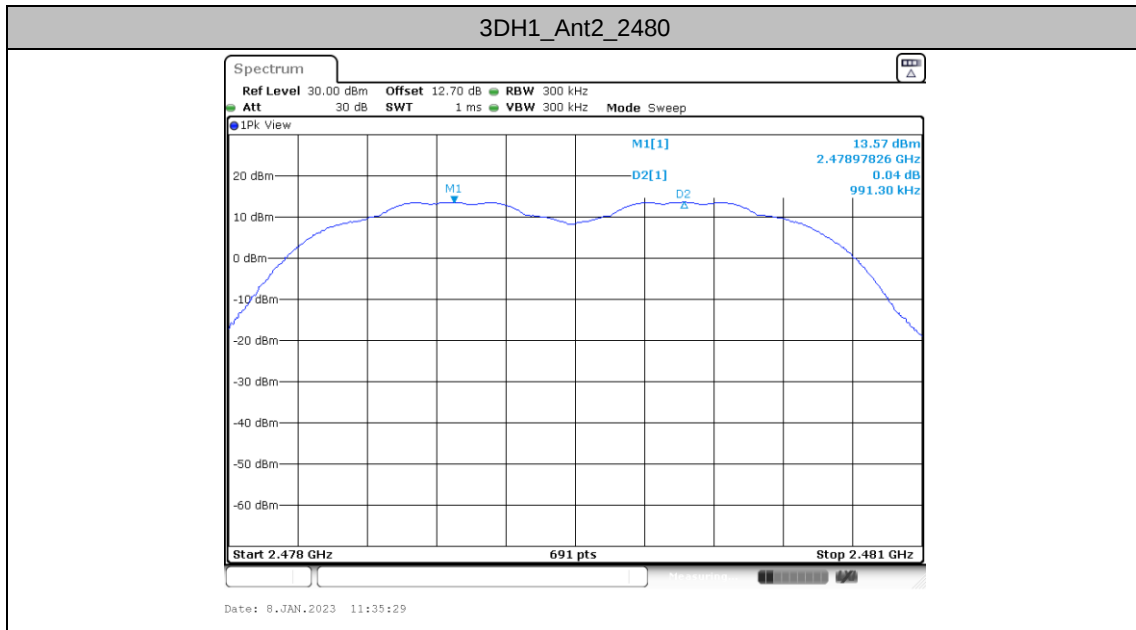


3DH1_Ant2_2402



3DH1_Ant2_2441







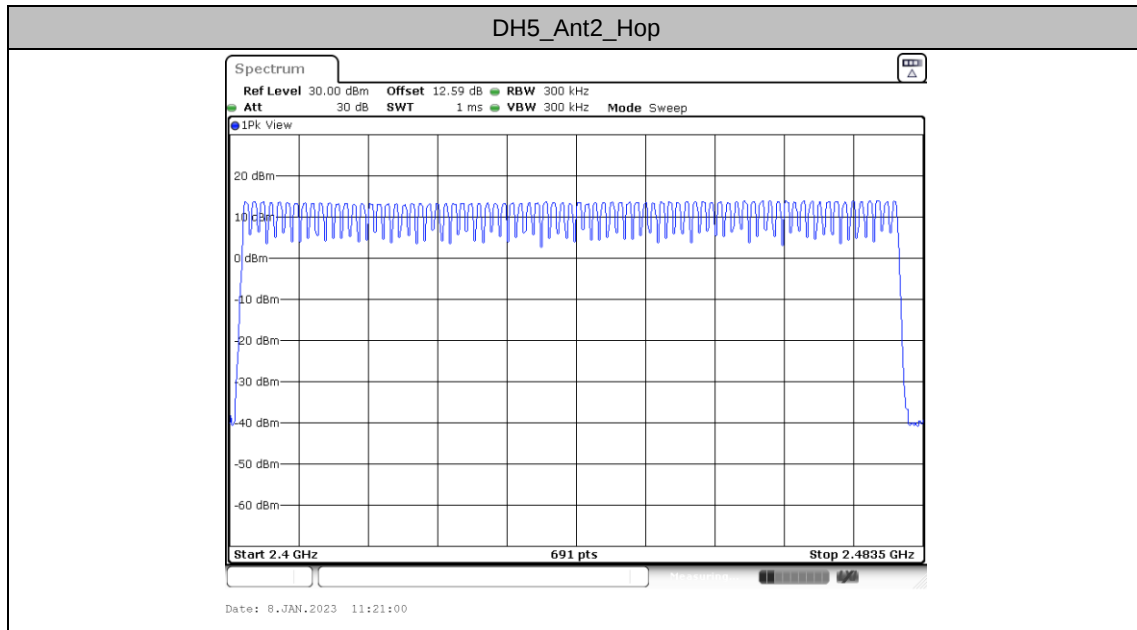
Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant2	Hop	79	≥15	PASS



Test Graphs





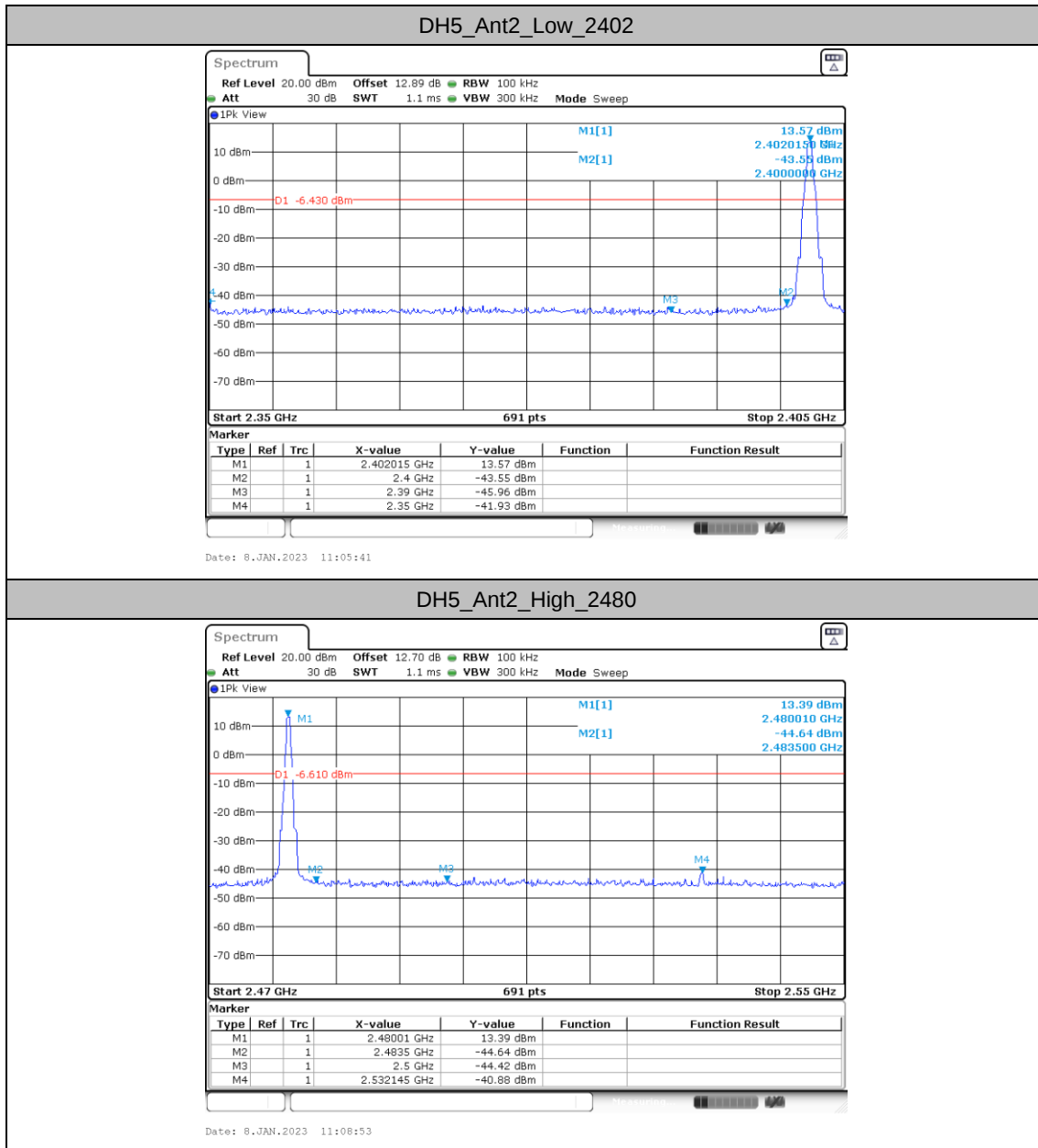
Band edge measurements

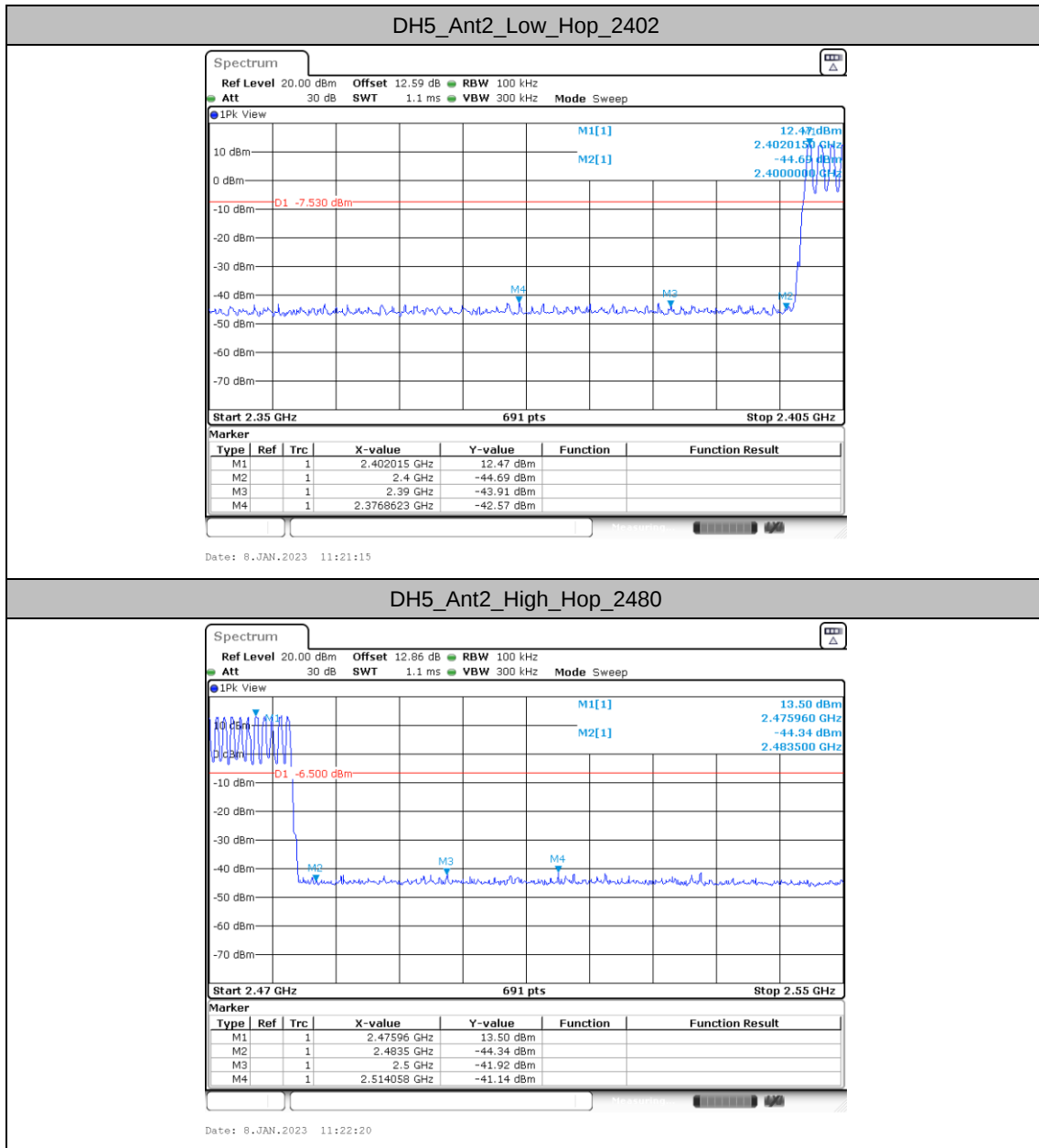
Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	Low	2402	13.57	-41.93	≤-6.43	PASS
		High	2480	13.39	-40.88	≤-6.61	PASS
		Low	Hop_2402	12.47	-42.57	≤-7.53	PASS
		High	Hop_2480	13.50	-41.14	≤-6.5	PASS
2DH1	Ant2	Low	2402	13.55	-42.71	≤-6.45	PASS
		High	2480	13.58	-41.85	≤-6.42	PASS
		Low	Hop_2402	13.27	-42.15	≤-6.73	PASS
		High	Hop_2480	13.70	-42.06	≤-6.3	PASS
3DH1	Ant2	Low	2402	13.59	-41.95	≤-6.41	PASS
		High	2480	13.57	-40.97	≤-6.43	PASS
		Low	Hop_2402	13.15	-43.22	≤-6.85	PASS
		High	Hop_2480	13.69	-41.33	≤-6.31	PASS



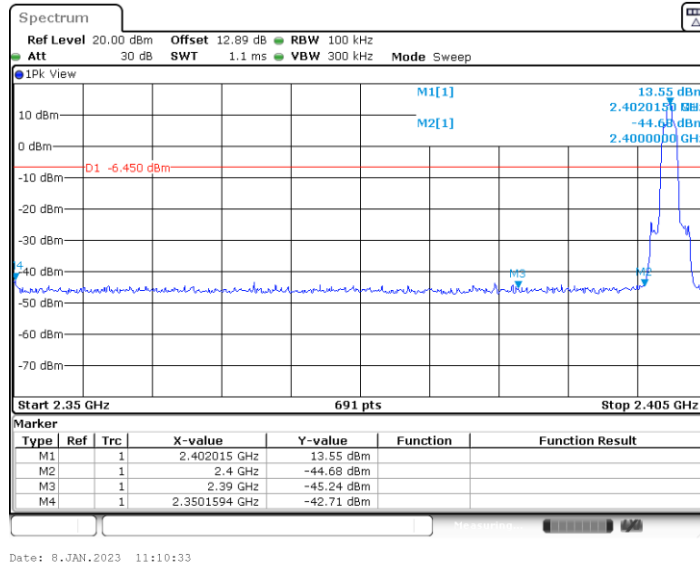
Test Graphs



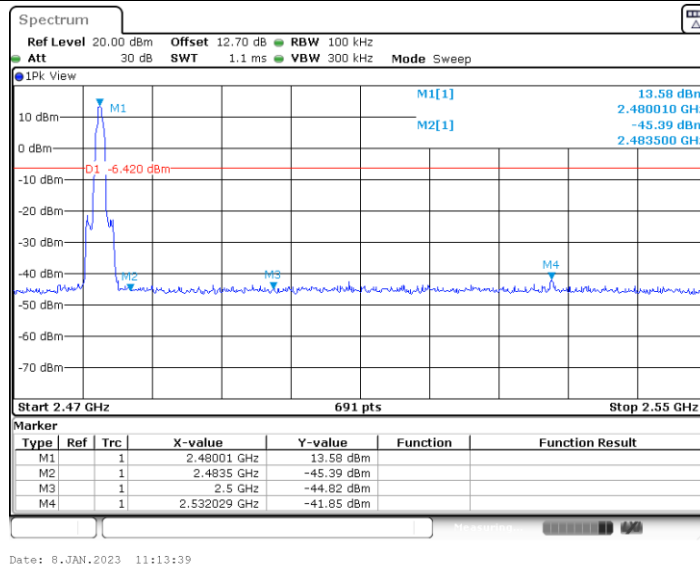




2DH2_Ant1_Low_2402

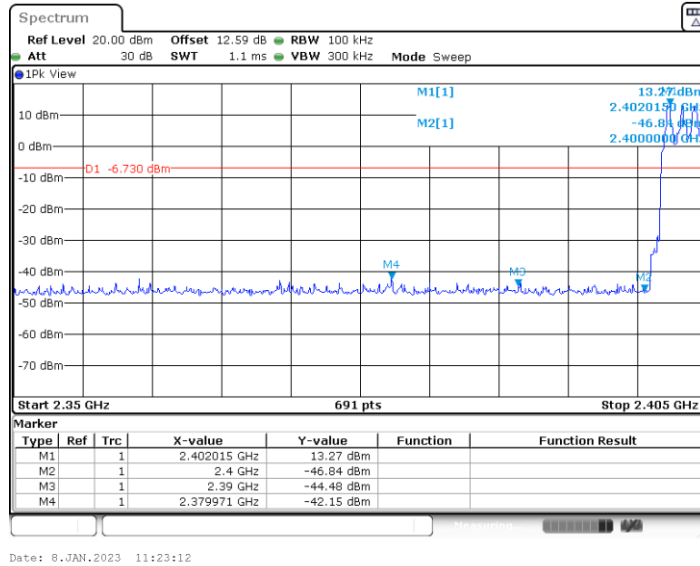


2DH2_Ant1_High_2480

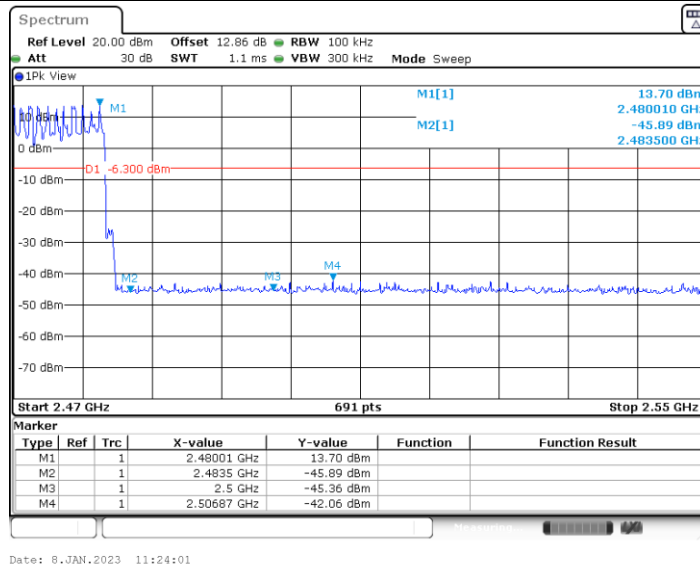




2DH1_Ant2_Low_Hop_2402

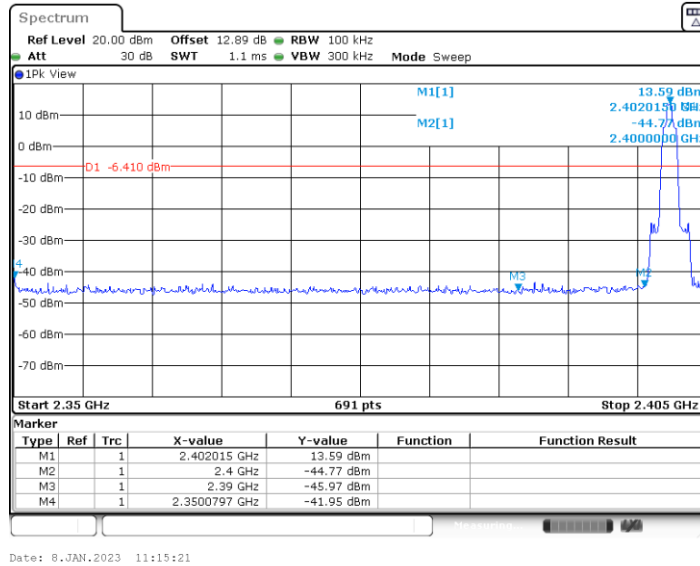


2DH1_Ant2_High_Hop_2480

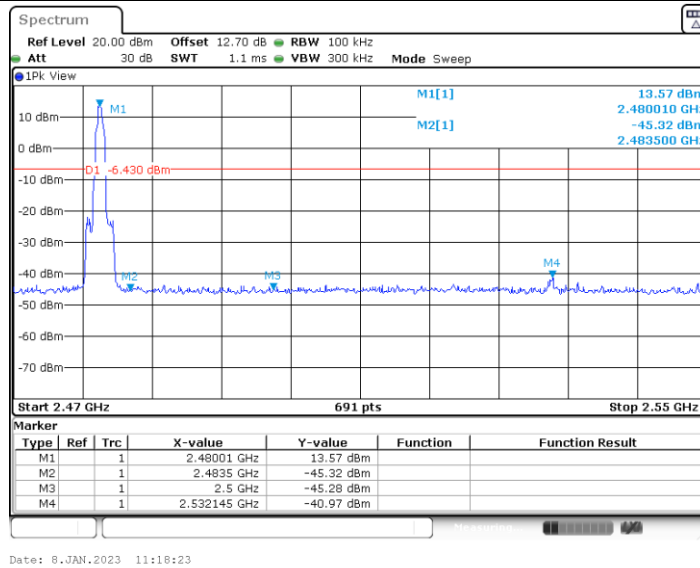


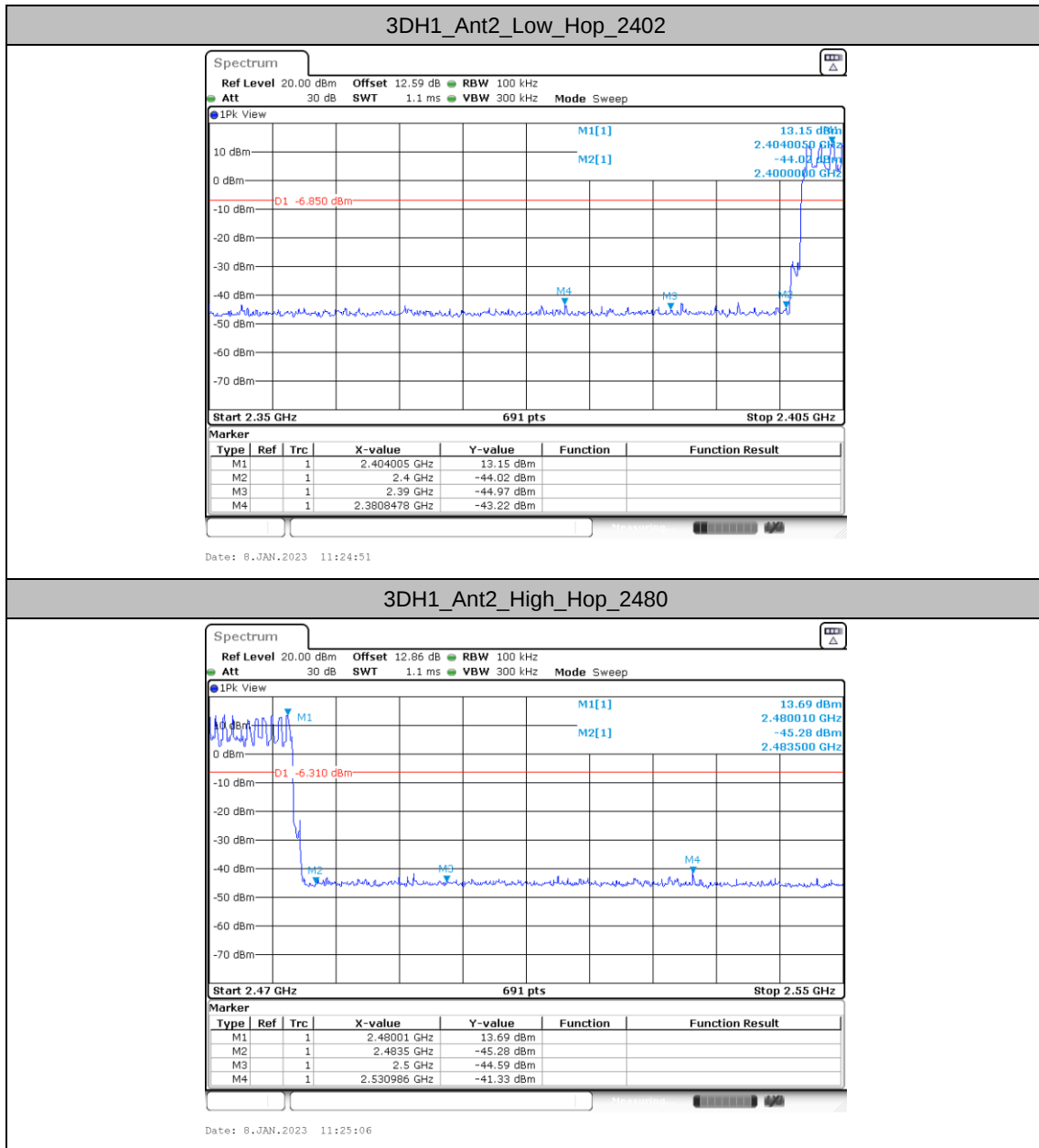


3DH1_Ant2_Low_2402



3DH1_Ant2_High_2480







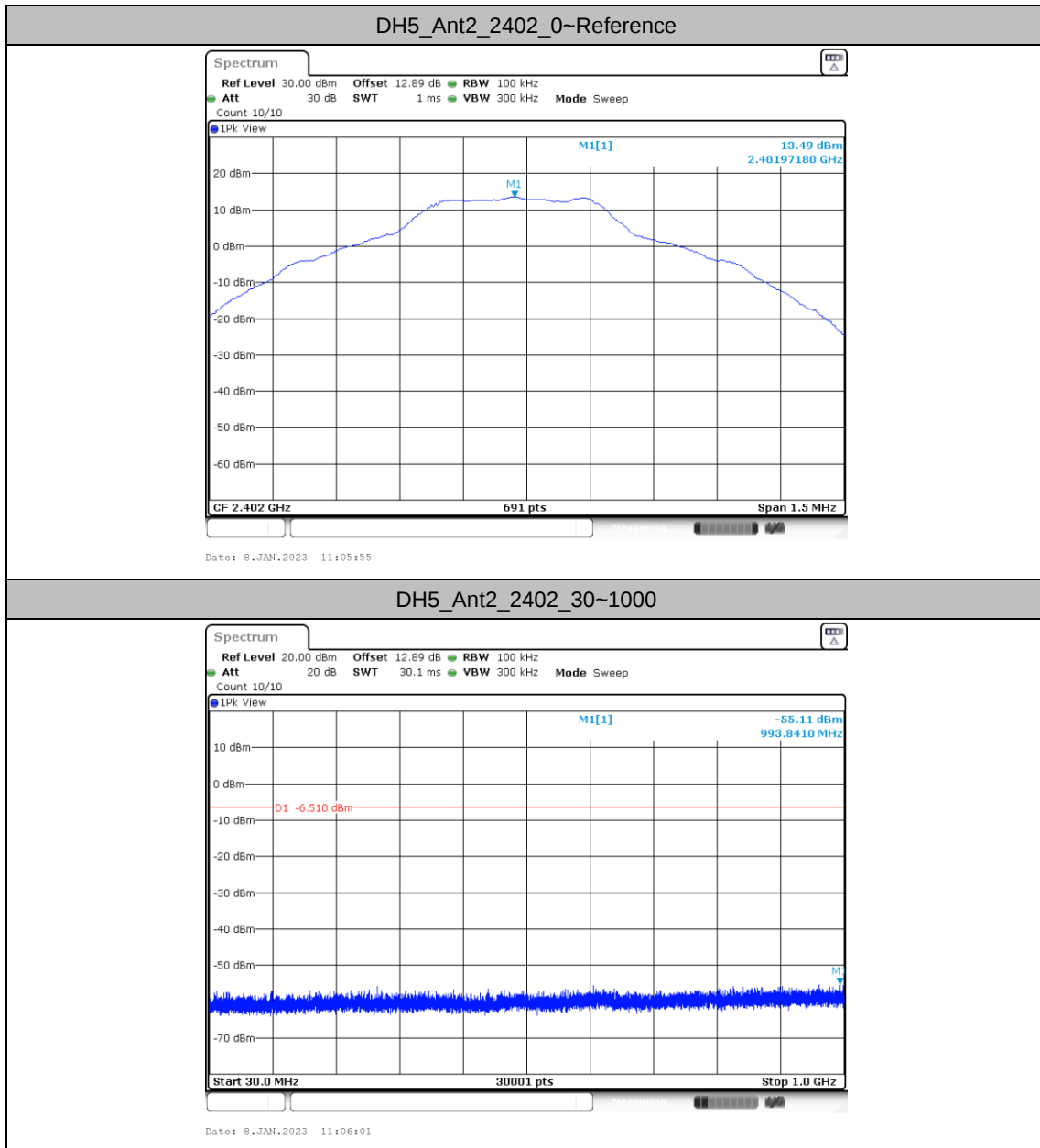
Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	2402	Reference	13.49	13.49	---	PASS
			30~1000	13.49	-55.11	≤-6.51	PASS
			1000~26500	13.49	-38.65	≤-6.51	PASS
		2441	Reference	13.23	13.23	---	PASS
			30~1000	13.23	-55.17	≤-6.77	PASS
			1000~26500	13.23	-36.89	≤-6.77	PASS
		2480	Reference	13.38	13.38	---	PASS
			30~1000	13.38	-55.08	≤-6.62	PASS
			1000~26500	13.38	-37.54	≤-6.62	PASS
2DH1	Ant2	2402	Reference	13.51	13.51	---	PASS
			30~1000	13.51	-55.13	≤-6.49	PASS
			1000~26500	13.51	-37.07	≤-6.49	PASS
		2441	Reference	13.34	13.34	---	PASS
			30~1000	13.34	-53.75	≤-6.66	PASS
			1000~26500	13.34	-41.32	≤-6.66	PASS
		2480	Reference	13.55	13.55	---	PASS
			30~1000	13.55	-55.36	≤-6.45	PASS
			1000~26500	13.55	-36.97	≤-6.45	PASS
3DH1	Ant2	2402	Reference	13.52	13.52	---	PASS
			30~1000	13.52	-55.11	≤-6.48	PASS
			1000~26500	13.52	-37.58	≤-6.48	PASS
		2441	Reference	13.33	13.33	---	PASS
			30~1000	13.33	-54.91	≤-6.67	PASS
			1000~26500	13.33	-36.11	≤-6.67	PASS
		2480	Reference	13.51	13.51	---	PASS
			30~1000	13.51	-55.21	≤-6.49	PASS
			1000~26500	13.51	-38.86	≤-6.49	PASS

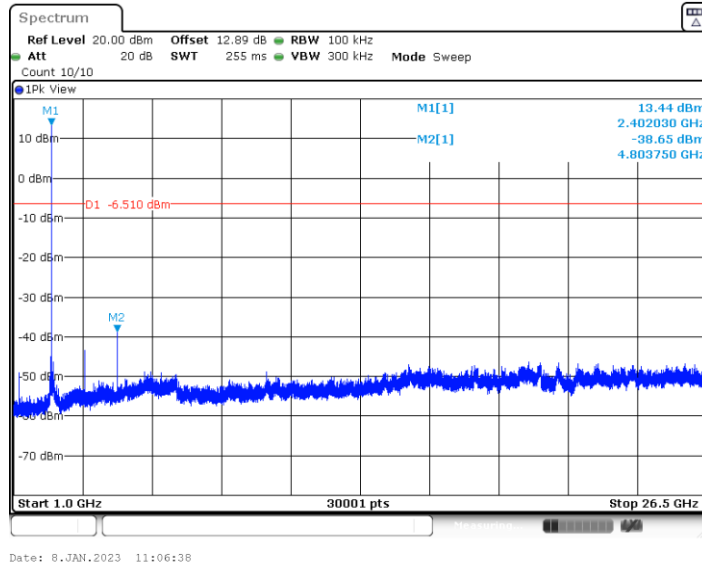


Test Graphs

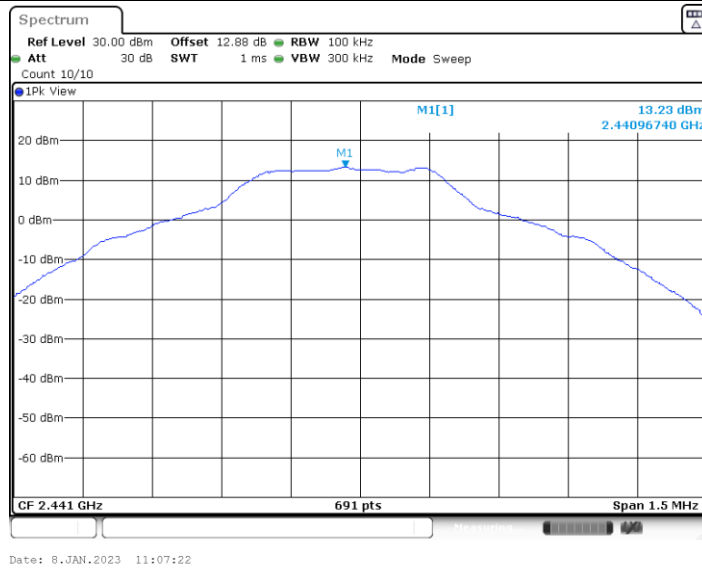




DH5_Ant2_2402_1000~26500

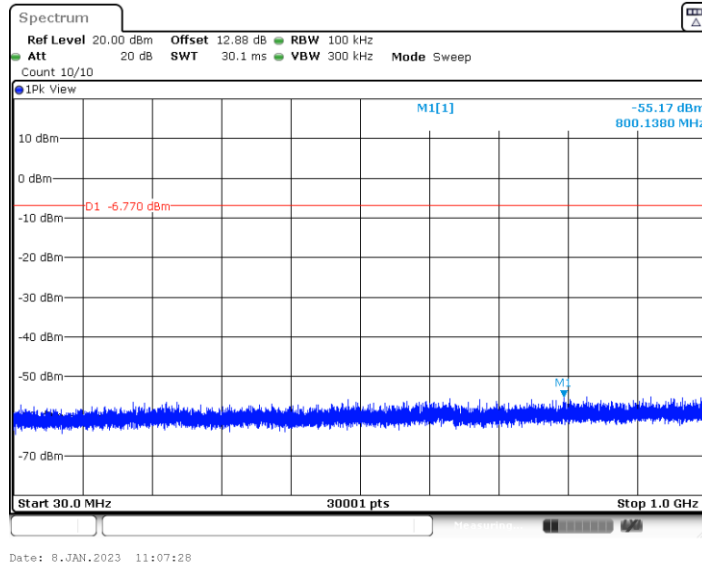


DH5_Ant2_2441_0~Reference

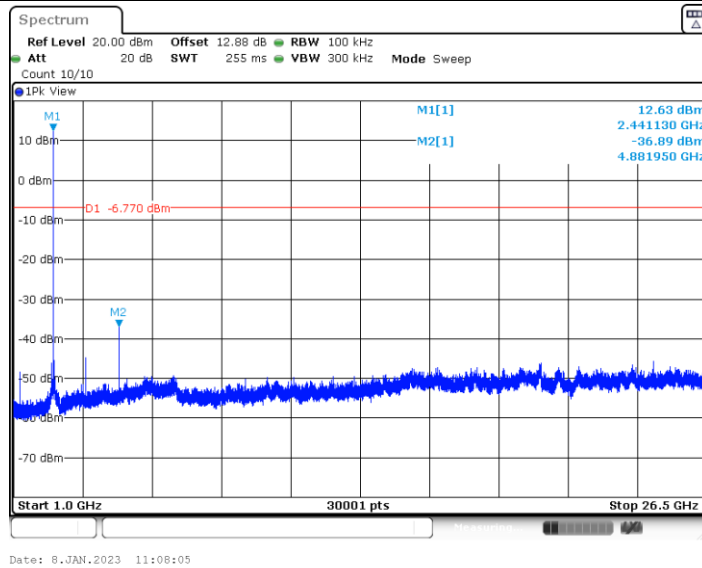




DH5_Ant2_2441_30~1000

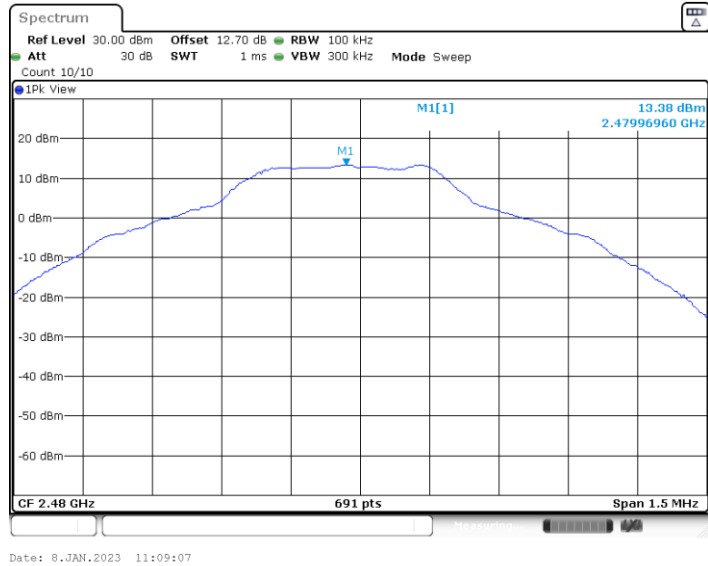


DH5_Ant2_2441_1000~26500

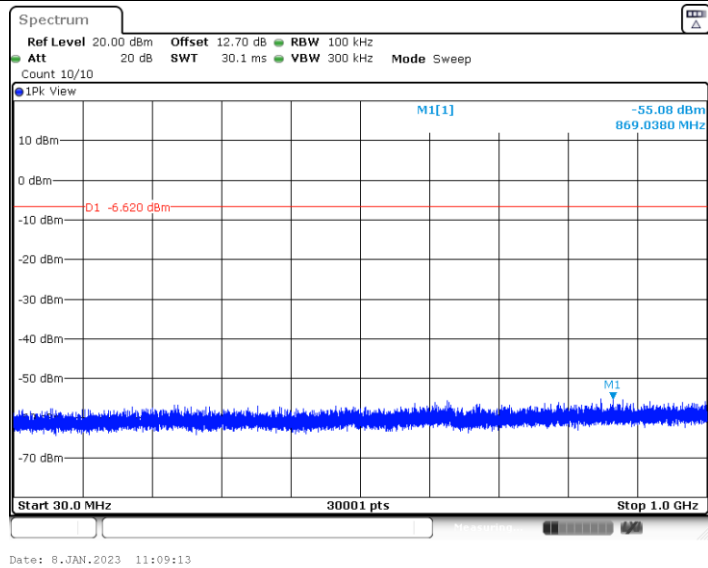




DH5_Ant2_2480_0~Reference

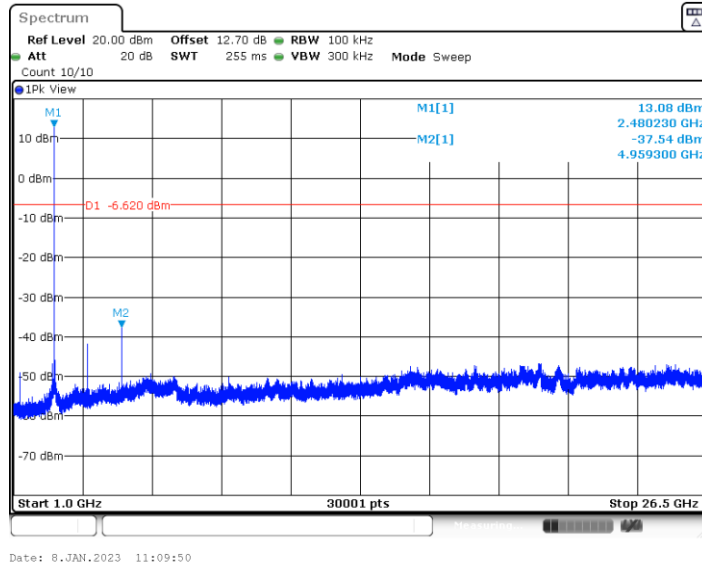


DH5_Ant2_2480_30~1000

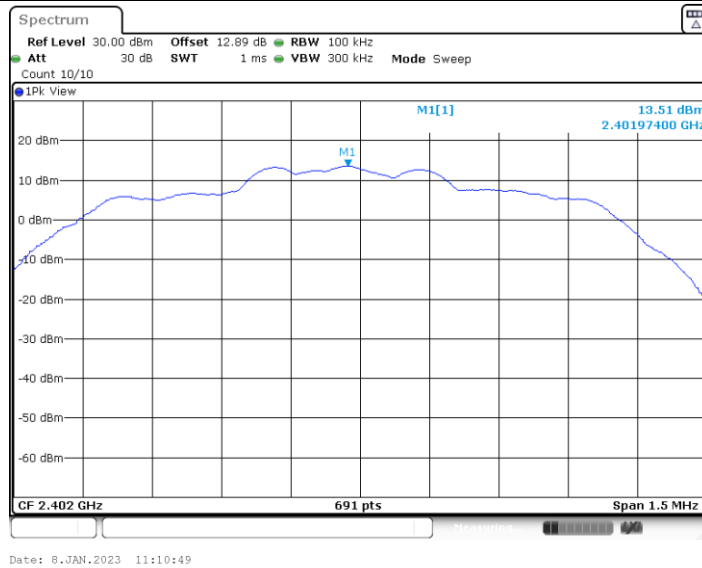


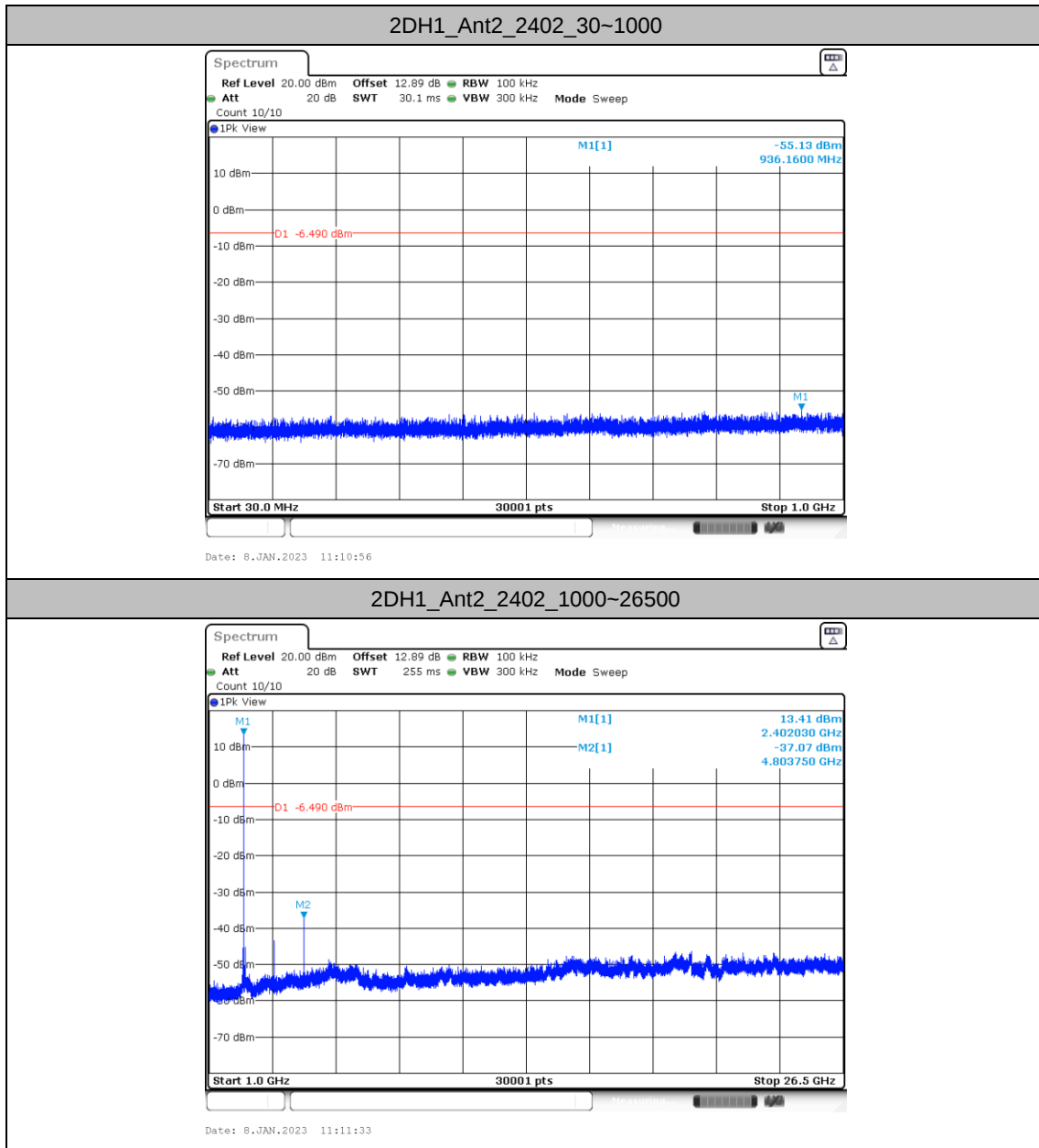


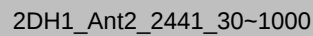
DH5_Ant2_2480_1000~26500



2DH1_Ant2_2402_0~Reference

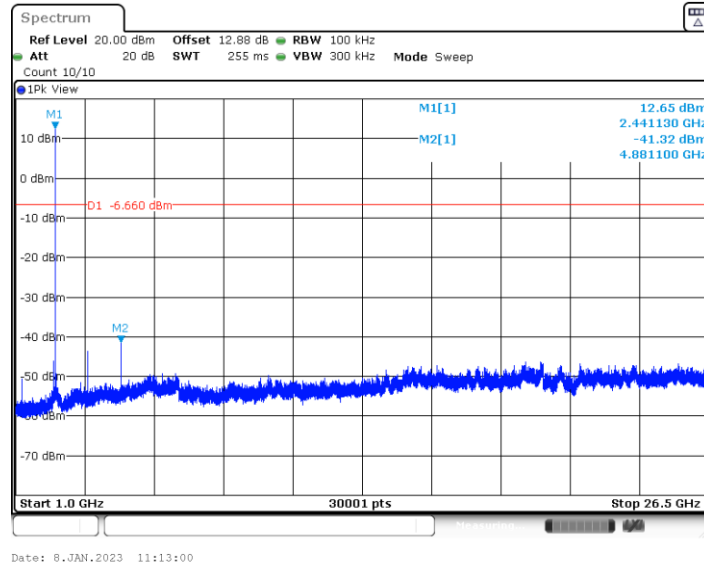




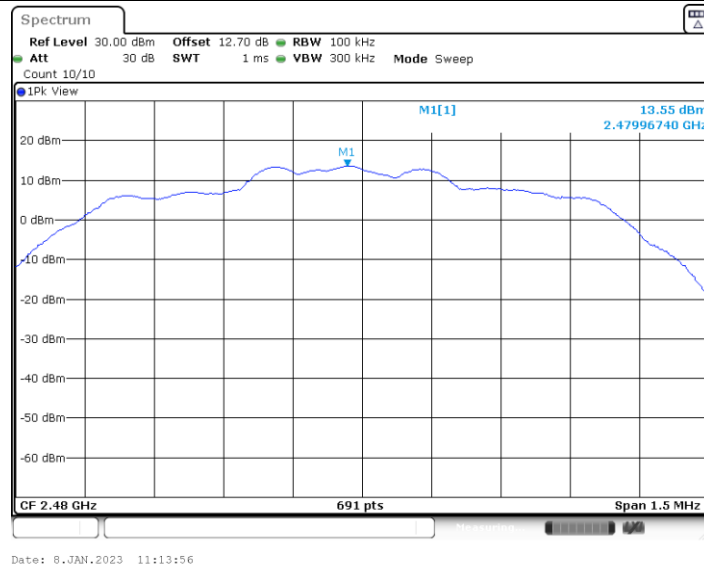


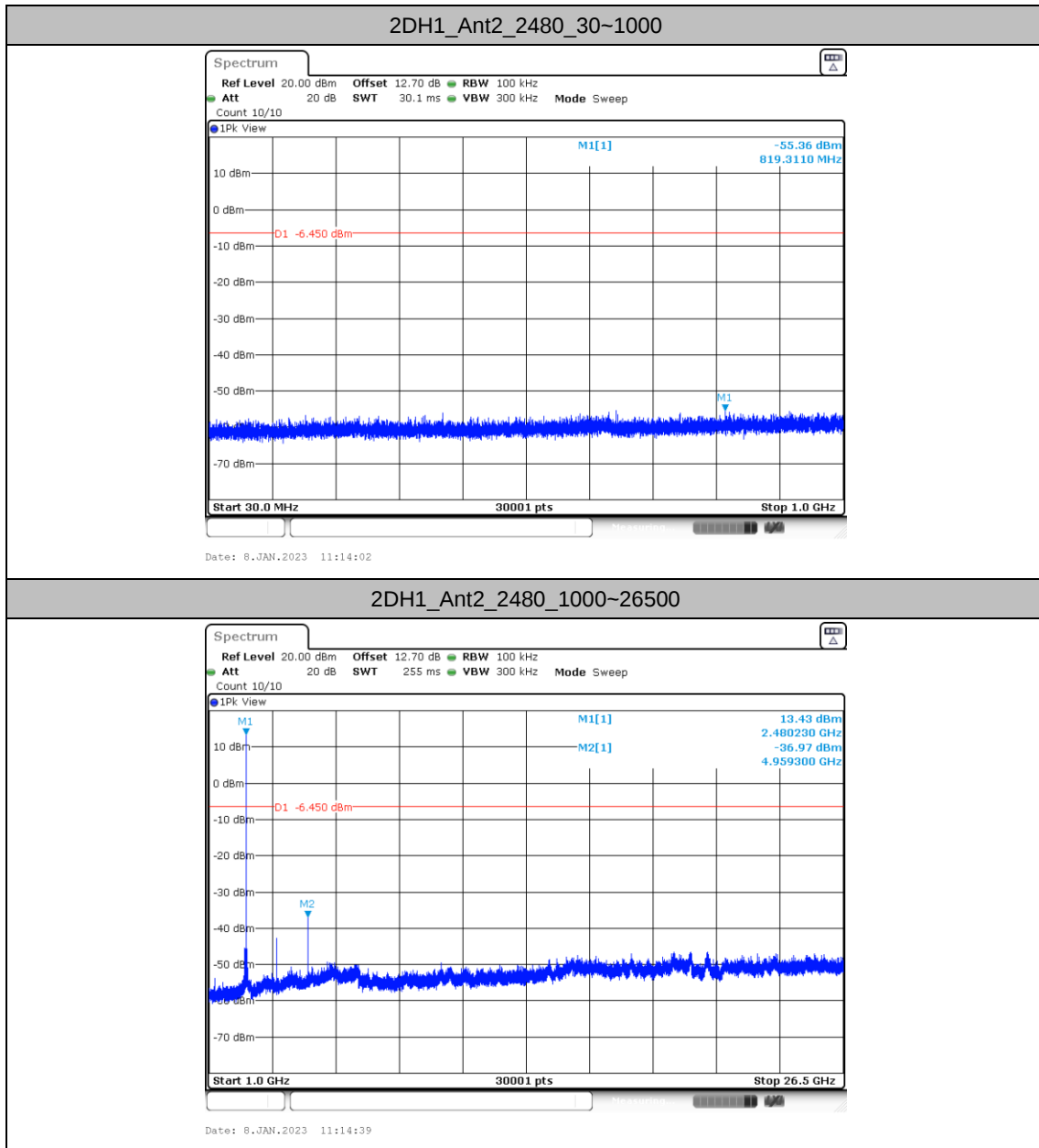


2DH1_Ant2_2441_1000~26500



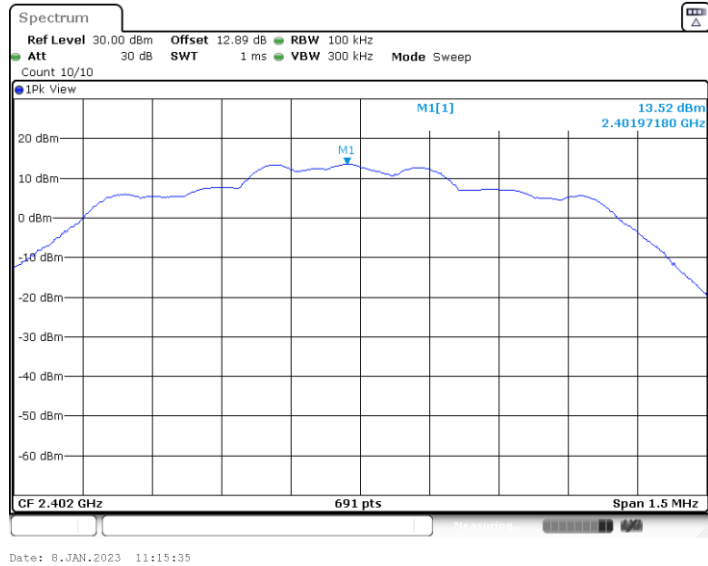
2DH1_Ant2_2480_0~Reference



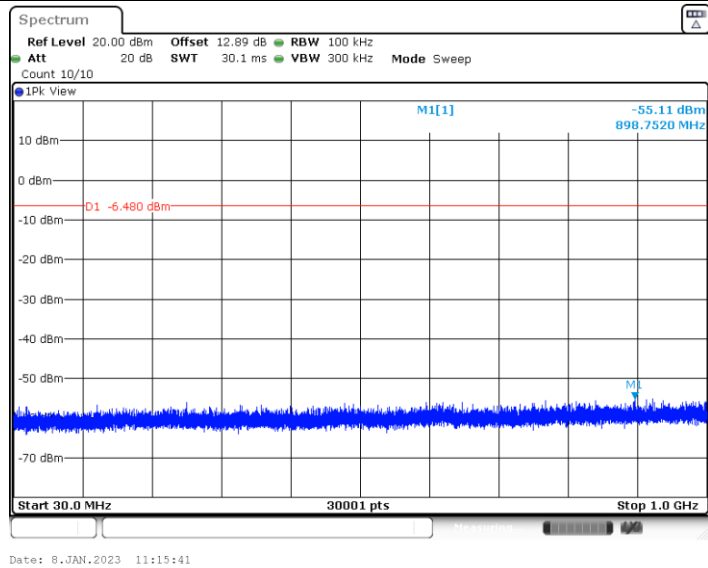




3DH1_Ant2_2402_0~Reference

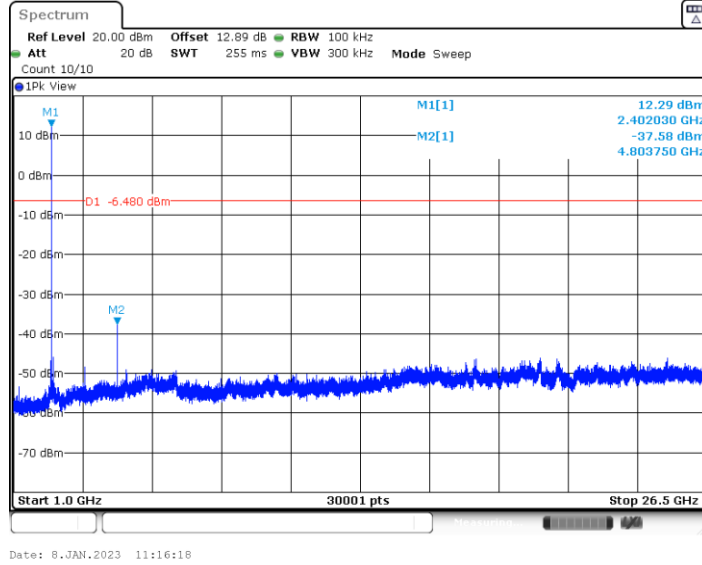


3DH1_Ant2_2402_30~1000

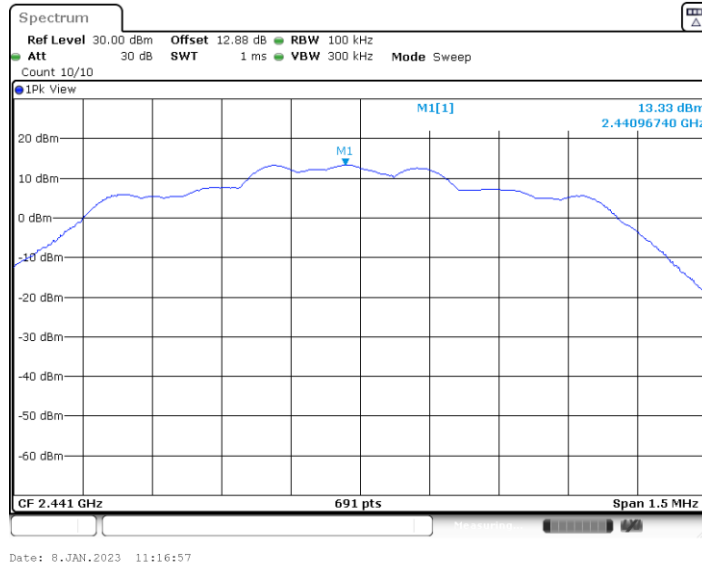


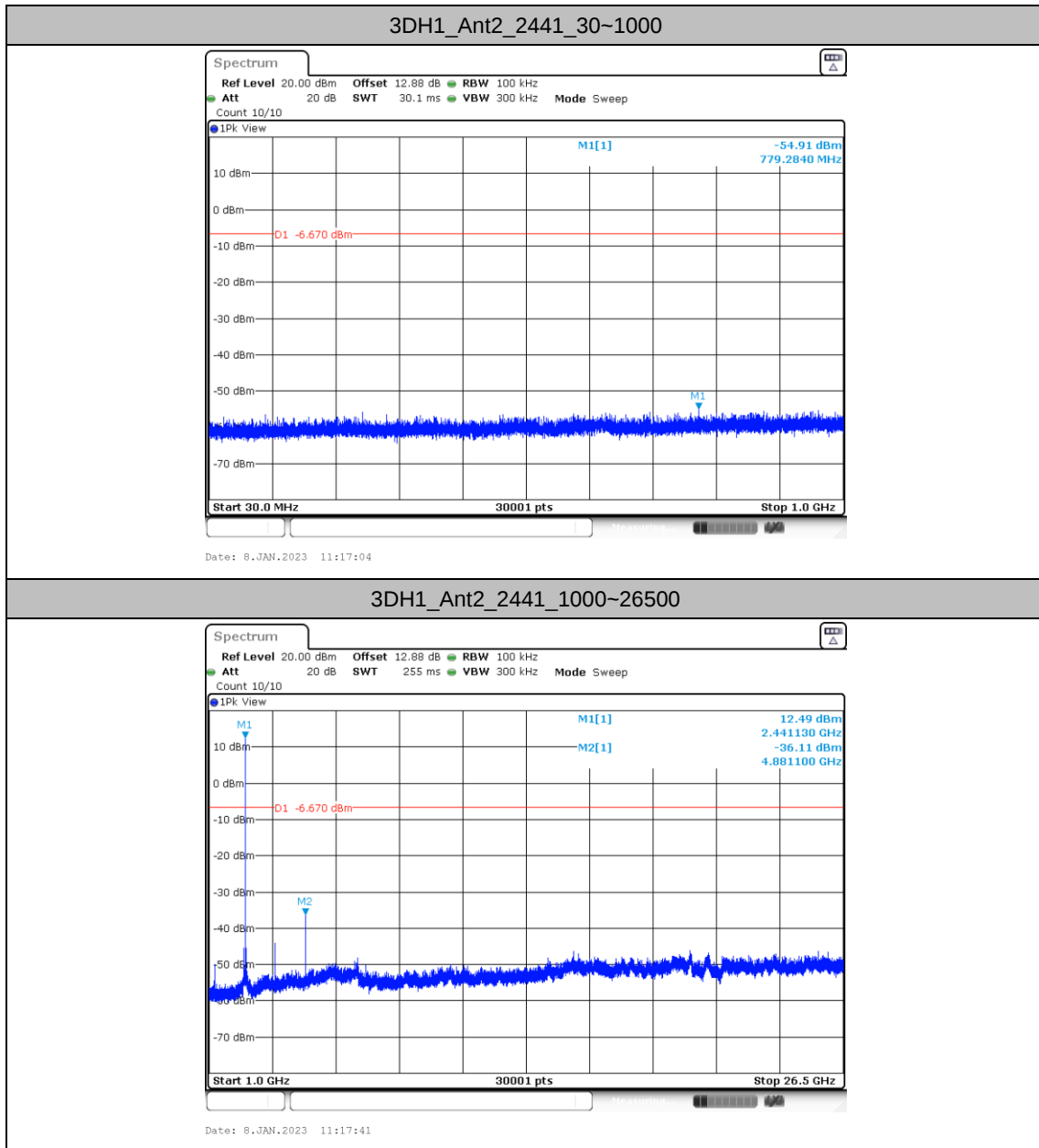


3DH1_Ant2_2402_1000~26500



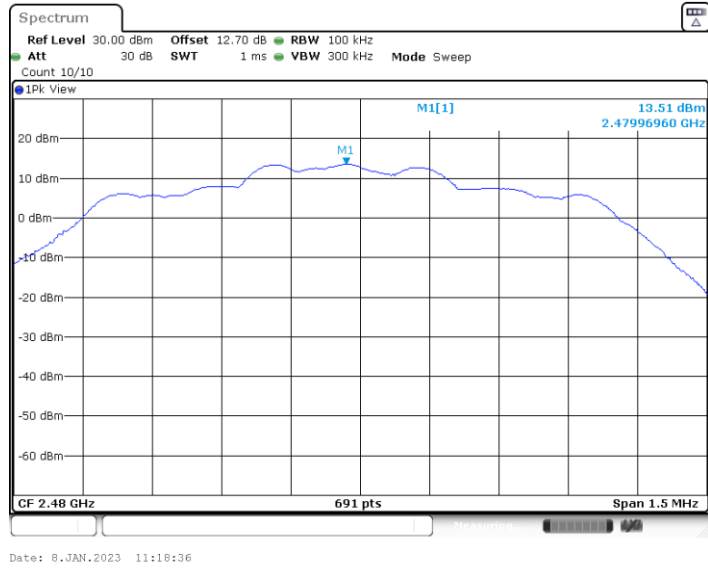
3DH1_Ant2_2441_0~Reference



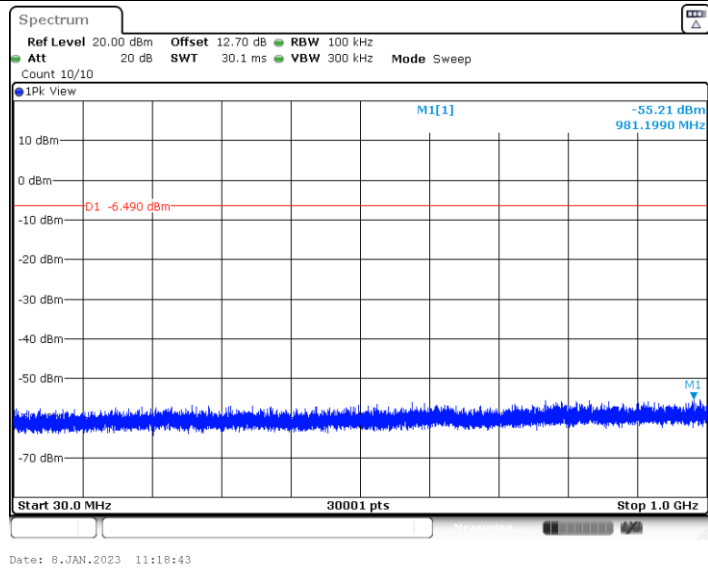


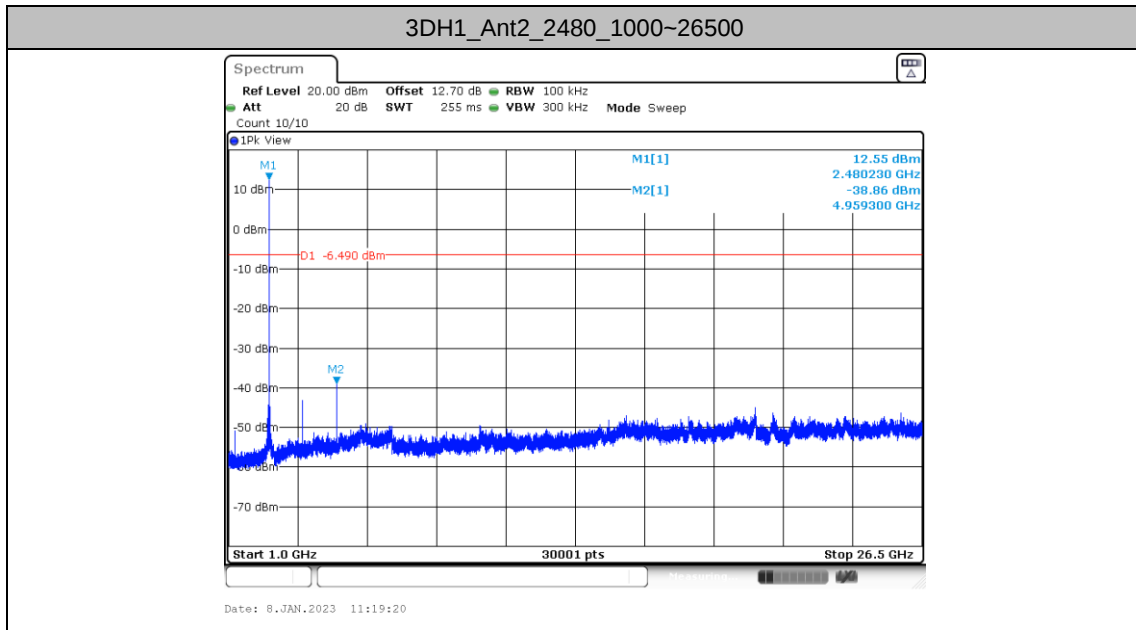


3DH1_Ant2_2480_0~Reference



3DH1_Ant2_2480_30~1000

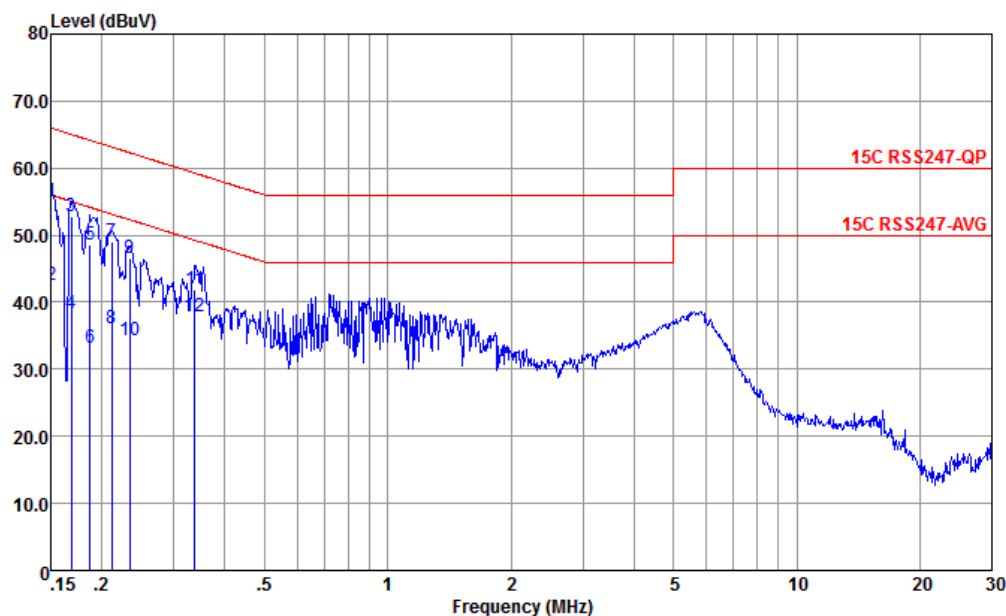






Appendix B. AC Conducted Emission Test Results

Test Engineer :	Amos Zhang	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		

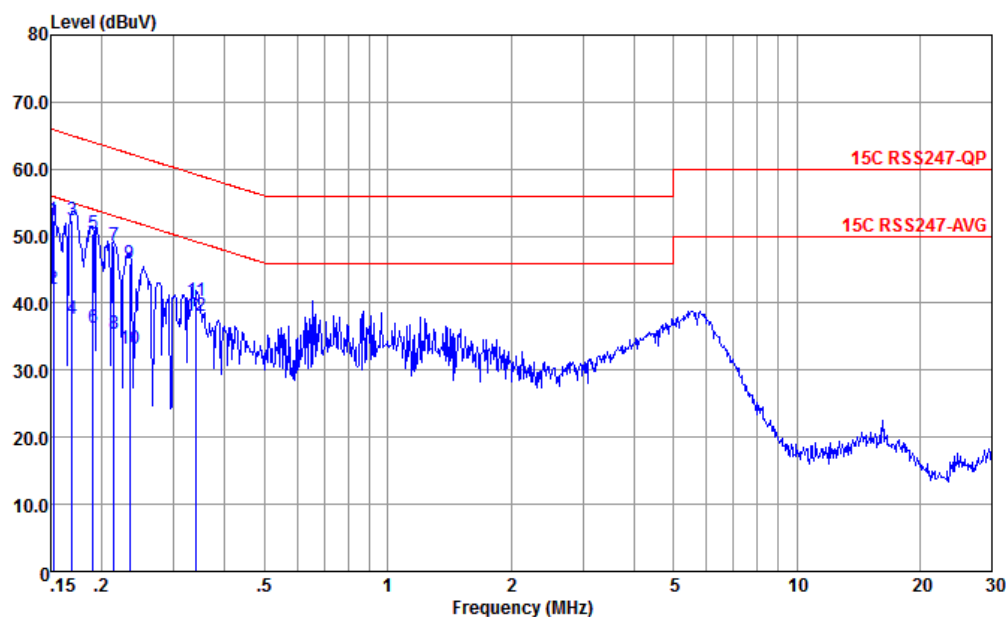


Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-LINE LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1 *	0.150	55.10	-10.90	66.00	44.60	0.07	10.43	QP
2	0.150	42.60	-13.40	56.00	32.10	0.07	10.43	Average
3	0.169	52.88	-12.15	65.03	42.40	0.05	10.43	QP
4	0.169	38.28	-16.75	55.03	27.80	0.05	10.43	Average
5	0.187	48.65	-15.50	64.15	38.20	0.03	10.42	QP
6	0.187	33.25	-20.90	54.15	22.80	0.03	10.42	Average
7	0.212	49.04	-14.10	63.14	38.60	0.03	10.41	QP
8	0.212	36.04	-17.10	53.14	25.60	0.03	10.41	Average
9	0.234	46.63	-15.67	62.30	36.20	0.04	10.39	QP
10	0.234	34.33	-17.97	52.30	23.90	0.04	10.39	Average
11	0.337	41.97	-17.30	59.27	31.60	0.04	10.33	QP
12	0.337	37.87	-11.40	49.27	27.50	0.04	10.33	Average



Test Engineer :	Amos Zhang	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
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-NEUTRAL NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.152	52.36	-13.51	65.87	41.90	0.03	10.43	QP
2	0.152	42.06	-13.81	55.87	31.60	0.03	10.43	Average
3	0.169	52.36	-12.63	64.99	41.89	0.04	10.43	QP
4	0.169	37.66	-17.33	54.99	27.19	0.04	10.43	Average
5	0.190	50.27	-13.75	64.02	39.80	0.05	10.42	QP
6	0.190	36.37	-17.65	54.02	25.90	0.05	10.42	Average
7	0.214	48.84	-14.51	63.05	38.10	0.03	10.41	QP
8	0.214	35.40	-17.65	53.05	24.96	0.03	10.41	Average
9	0.234	46.00	-16.30	62.30	35.60	0.01	10.39	QP
10	0.234	33.30	-19.00	52.30	22.90	0.01	10.39	Average
11	0.341	40.37	-18.81	59.18	30.10	-0.06	10.33	QP
12 *	0.341	38.17	-11.01	49.18	27.90	-0.06	10.33	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 Data

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

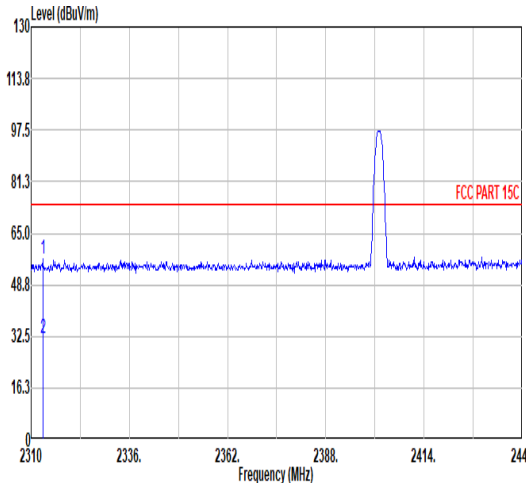
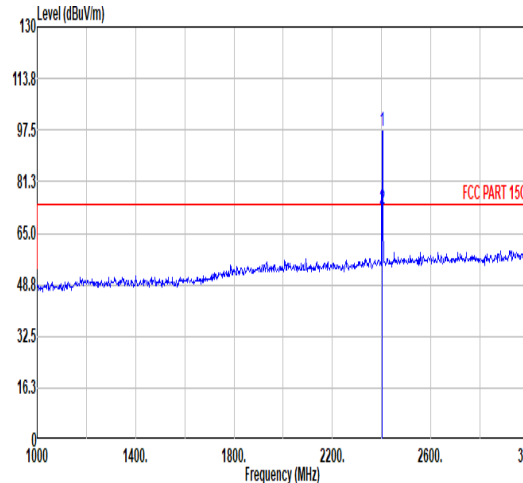
Radiated Spurious Emission Test Modes

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

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	2313.12	56.78	74.00	-17.22	H	PEAK	Pass	Band Edge
1	Bluetooth BR_GFSK	00	4804.00	59.55	74.00	-14.45	H	PEAK	Pass	Harmonic
2	Bluetooth BR_GFSK	39	-	-	-	-	-	-	-	Band Edge
2	Bluetooth BR_GFSK	39	4882.00	64.03	74.00	-9.97	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	2489.91	57.41	74.00	-16.59	H	PEAK	Pass	Band Edge
	Bluetooth BR_GFSK	78	4960	61.01	74.00	-12.99	H	PEAK	Pass	Harmonic
3	Bluetooth BR_GFSK	78	62.98	35.02	40.00	-4.98	V	Peak	Pass	LF



Mode	1																																																																																																																													
	Band Edge																																																																																																																													
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																																																																													
Pol.	Horizontal						Fundamental																																																																																																																							
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 Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></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>2313.12</td><td>56.78</td><td>74.00</td><td>-17.22</td><td>41.38</td><td>31.81</td><td>8.54</td><td>30.95</td><td>6.00</td><td>308</td><td>256</td><td>PEAK</td></tr><tr><td>2</td><td>2313.12</td><td>31.99</td><td>54.00</td><td>-22.01</td><td>16.59</td><td>31.81</td><td>8.54</td><td>30.95</td><td>6.00</td><td>308</td><td>256</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2313.12	56.78	74.00	-17.22	41.38	31.81	8.54	30.95	6.00	308	256	PEAK	2	2313.12	31.99	54.00	-22.01	16.59	31.81	8.54	30.95	6.00	308	256	AVERAGE	<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 Margin</th><th>Level Factor</th><th>Loss Factor</th><th>Loss Factor</th><th>Factor</th><th></th><th></th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2402.00</td><td>97.38</td><td>-----</td><td>-----</td><td>81.43</td><td>32.01</td><td>8.81</td><td>30.87</td><td>6.00</td><td>308</td><td>256</td><td>PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>72.59</td><td>-----</td><td>-----</td><td>56.64</td><td>32.01</td><td>8.81</td><td>30.87</td><td>6.00</td><td>308</td><td>256</td><td>AVERAGE</td></tr></table>							Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos		Freq	Level	Line Margin	Level Factor	Loss Factor	Loss Factor	Factor			Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	1	2402.00	97.38	-----	-----	81.43	32.01	8.81	30.87	6.00	308	256	PEAK	2	2402.00	72.59	-----	-----	56.64	32.01	8.81	30.87	6.00	308	256	AVERAGE
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2	2402.00	72.59	-----	-----	56.64	32.01	8.81	30.87	6.00	308	256	AVERAGE																																																																																																																		



1

Mode

Band Edge

2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz

Pol.

Vertical

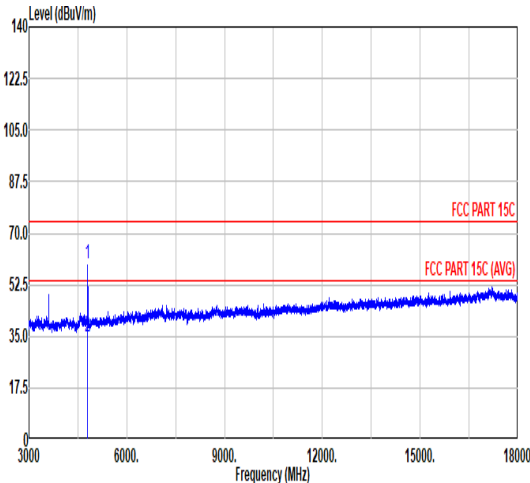
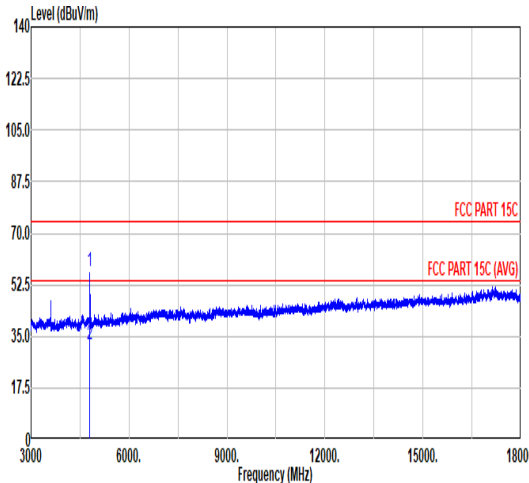
Fundamental

Peak

	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	2358.88	56.41	74.00	-17.59	40.73	31.91	8.68	30.91	6.00	312	236	PEAK
2	2358.88	31.62	54.00	-22.38	15.94	31.91	8.68	30.91	6.00	312	236	AVERAGE

	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	2402.00	98.46	-----	-----	82.51	32.01	8.81	30.87	6.00	312	236	PEAK
2	2402.00	73.67	-----	-----	57.72	32.01	8.81	30.87	6.00	312	236	AVERAGE

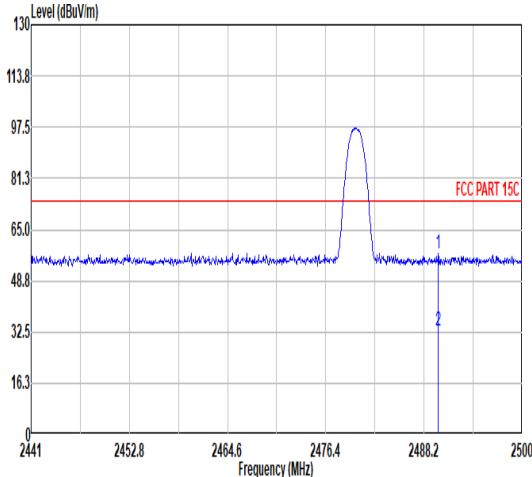


Mode	1																																																																																																																													
	Harmonic																																																																																																																													
	2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz																																																																																																																													
Pol.	Horizontal						Vertical																																																																																																																							
Peak Avg																																																																																																																														
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		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																					
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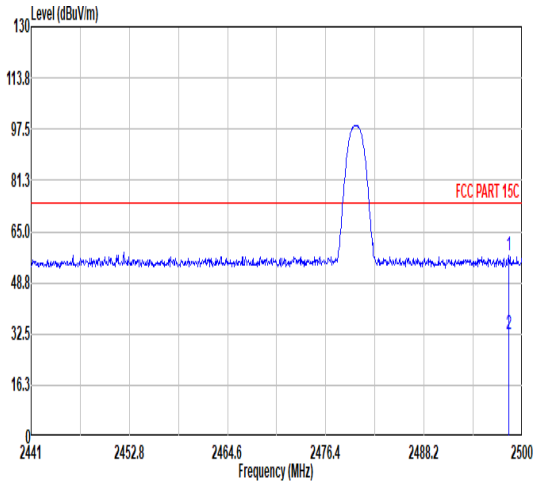
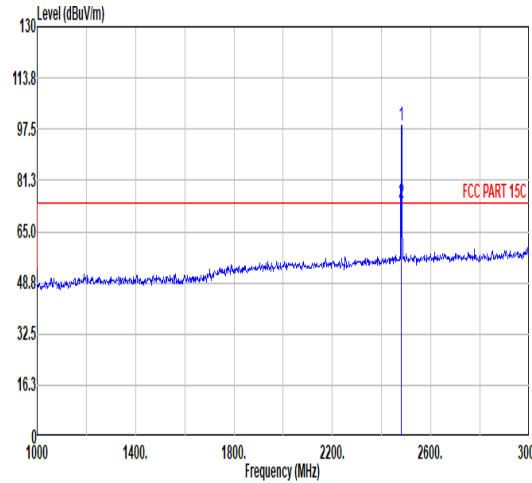


Mode	2																																																																																																																																																											
	Harmonic																																																																																																																																																											
	2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz																																																																																																																																																											
Pol.	Horizontal	Vertical																																																																																																																																																										
Peak Avg	<table><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>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>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4882.00</td><td>64.03</td><td>74.00</td><td>-9.97</td><td>83.11</td><td>34.10</td><td>12.26</td><td>65.44</td><td>0.00</td><td>112</td><td>206</td><td></td><td>PEAK</td></tr><tr><td>2</td><td>4882.00</td><td>39.24</td><td>54.00</td><td>-14.76</td><td>58.32</td><td>34.10</td><td>12.26</td><td>65.44</td><td>0.00</td><td>112</td><td>206</td><td></td><td>AVERAGE</td></tr><tr><td>3</td><td>7323.00</td><td>52.60</td><td>74.00</td><td>-21.40</td><td>67.31</td><td>35.80</td><td>14.74</td><td>65.25</td><td>0.00</td><td>271</td><td>0</td><td></td><td>PEAK</td></tr><tr><td>4</td><td>7323.00</td><td>27.81</td><td>54.00</td><td>-26.19</td><td>42.52</td><td>35.80</td><td>14.74</td><td>65.25</td><td>0.00</td><td>271</td><td>0</td><td></td><td>AVERAGE</td></tr></table>		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	4882.00	64.03	74.00	-9.97	83.11	34.10	12.26	65.44	0.00	112	206		PEAK	2	4882.00	39.24	54.00	-14.76	58.32	34.10	12.26	65.44	0.00	112	206		AVERAGE	3	7323.00	52.60	74.00	-21.40	67.31	35.80	14.74	65.25	0.00	271	0		PEAK	4	7323.00	27.81	54.00	-26.19	42.52	35.80	14.74	65.25	0.00	271	0		AVERAGE	<table><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>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>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>4882.00</td><td>63.14</td><td>74.00</td><td>-10.86</td><td>82.22</td><td>34.10</td><td>12.26</td><td>65.44</td><td>0.00</td><td>293</td><td>10</td><td></td><td>PEAK</td></tr><tr><td>2</td><td>4882.00</td><td>38.35</td><td>54.00</td><td>-15.65</td><td>57.43</td><td>34.10</td><td>12.26</td><td>65.44</td><td>0.00</td><td>293</td><td>10</td><td></td><td>AVERAGE</td></tr><tr><td>3</td><td>7323.00</td><td>47.65</td><td>74.00</td><td>-26.35</td><td>62.36</td><td>35.80</td><td>14.74</td><td>65.25</td><td>0.00</td><td>293</td><td>10</td><td></td><td>PEAK</td></tr></table>		Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark		MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	dB	cm	deg		1	4882.00	63.14	74.00	-10.86	82.22	34.10	12.26	65.44	0.00	293	10		PEAK	2	4882.00	38.35	54.00	-15.65	57.43	34.10	12.26	65.44	0.00	293	10		AVERAGE	3	7323.00	47.65	74.00	-26.35	62.36	35.80	14.74	65.25	0.00	293	10		PEAK
	Freq	Level	Limit	Line	Margin	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																																															
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Mode	3																																																																					
	Band Edge																																																																					
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																					
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></th><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>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>2489.91</td><td>57.41</td><td>74.00</td><td>-16.59</td><td>40.84</td><td>32.13</td><td>9.07</td><td>30.63</td><td>6.00</td><td>300</td><td>267</td><td>PEAK</td></tr><tr><td>2</td><td>2489.91</td><td>32.62</td><td>54.00</td><td>-21.38</td><td>16.05</td><td>32.13</td><td>9.07</td><td>30.63</td><td>6.00</td><td>300</td><td>267</td><td>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	dB	cm	deg	1	2489.91	57.41	74.00	-16.59	40.84	32.13	9.07	30.63	6.00	300	267	PEAK	2	2489.91	32.62	54.00	-21.38	16.05	32.13	9.07	30.63	6.00	300	267	Average
		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	dB	cm	deg																																																											
1	2489.91	57.41	74.00	-16.59	40.84	32.13	9.07	30.63	6.00	300	267	PEAK																																																										
2	2489.91	32.62	54.00	-21.38	16.05	32.13	9.07	30.63	6.00	300	267	Average																																																										
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	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	dB	cm	deg																																																											
1	2480.00	97.07	74.00	23.07	80.55	32.12	9.05	30.65	6.00	300	267	PEAK																																																										
2	2482.00	72.28	54.00	18.28	55.76	32.12	9.05	30.65	6.00	300	267	Average																																																										



Mode	3																																																																																																																														
	Band Edge																																																																																																																														
	2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz																																																																																																																														
Pol.	Vertical											Fundamental																																																																																																																			
Peak																																																																																																																															
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		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos																																																																																																																						
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1	2498.35	57.34	74.00	-16.66	40.69	32.15	9.10	30.60	6.00	300	224	PEAK																																																																																																																			
2	2498.35	32.55	54.00	-21.45	15.90	32.15	9.10	30.60	6.00	300	224	Average																																																																																																																			
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1	2480.00	98.65	74.00	24.65	82.13	32.12	9.05	30.65	6.00	300	224	PEAK																																																																																																																			
2	2480.00	73.86	54.00	19.86	57.34	32.12	9.05	30.65	6.00	300	224	Average																																																																																																																			



3

Mode

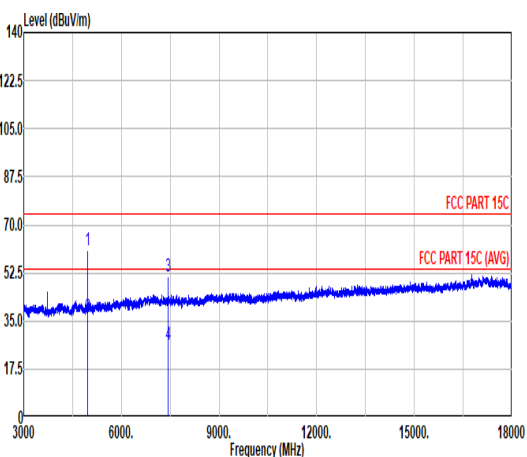
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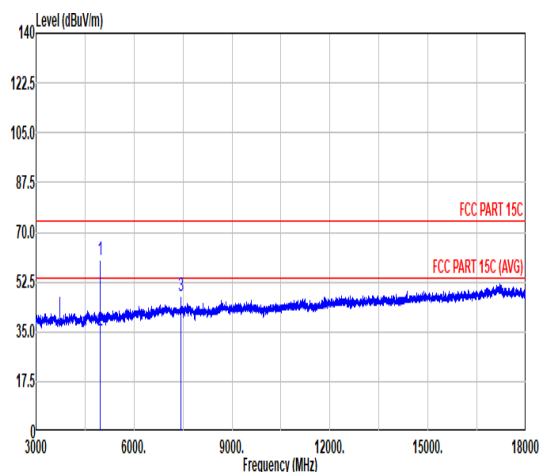
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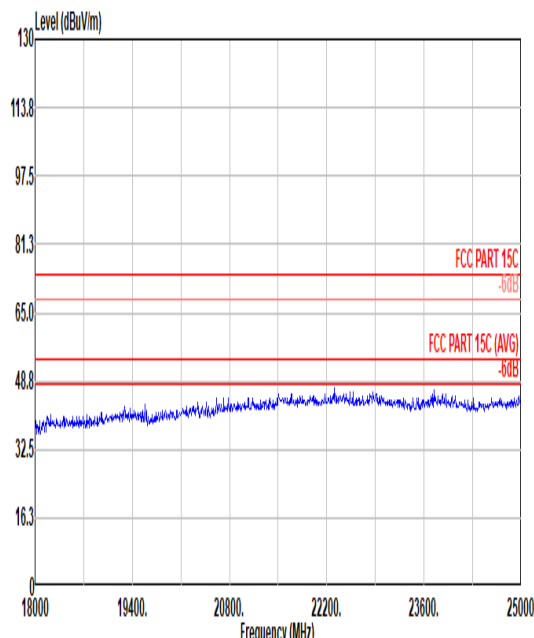
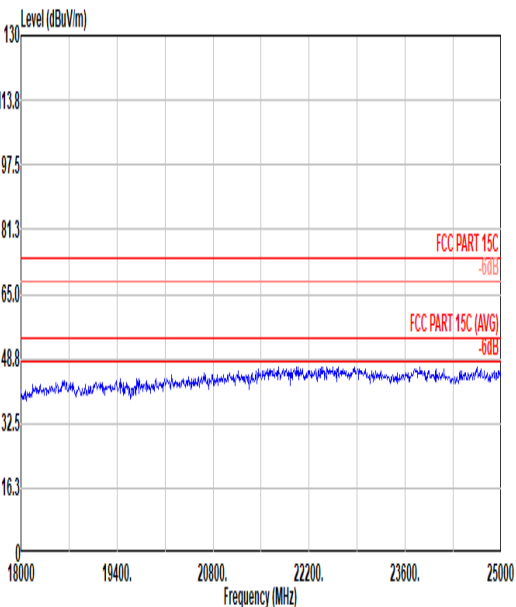
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Avg

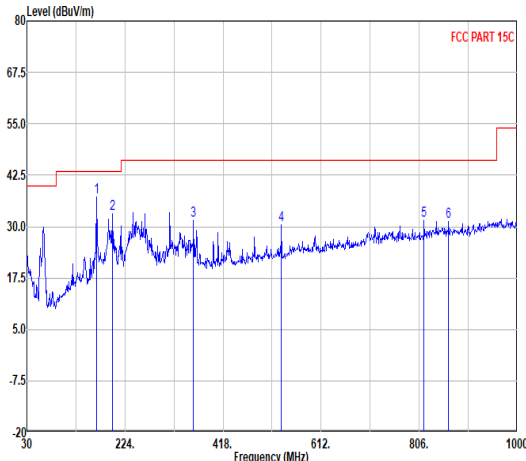
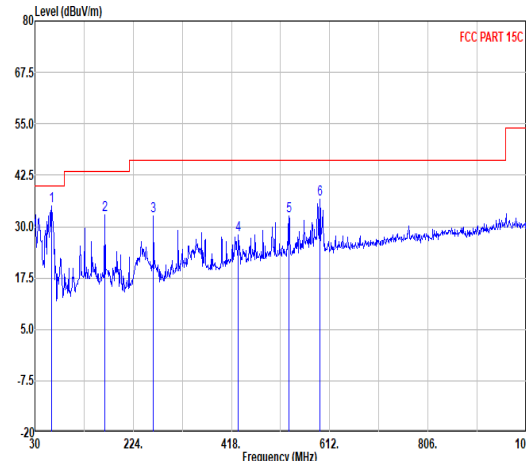
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Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	4960.00	61.01	74.00	-12.99	80.09	34.10	12.27	65.45	0.00	101	285	PEAK
2	4960.00	36.22	54.00	-17.78	55.30	34.10	12.27	65.45	0.00	101	285	AVERAGE
3	7440.00	51.47	74.00	-22.53	66.00	35.80	14.92	65.33	0.00	100	7	PEAK
4	7440.00	26.68	54.00	-27.32	41.29	35.80	14.92	65.33	0.00	100	7	AVERAGE



		Limit		Read		Ant	Cable	Preamp	Aux	APos	TPos	Remark
Freq	Level	Line	Margin	Level	Factor	Loss	Factor	Factor				
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg		
1	4960.00	60.29	74.00	-13.71	79.37	34.10	12.27	65.45	0.00	103	118	PEAK
2	4960.00	35.50	54.00	-18.50	54.58	34.10	12.27	65.45	0.00	103	118	AVERAGE
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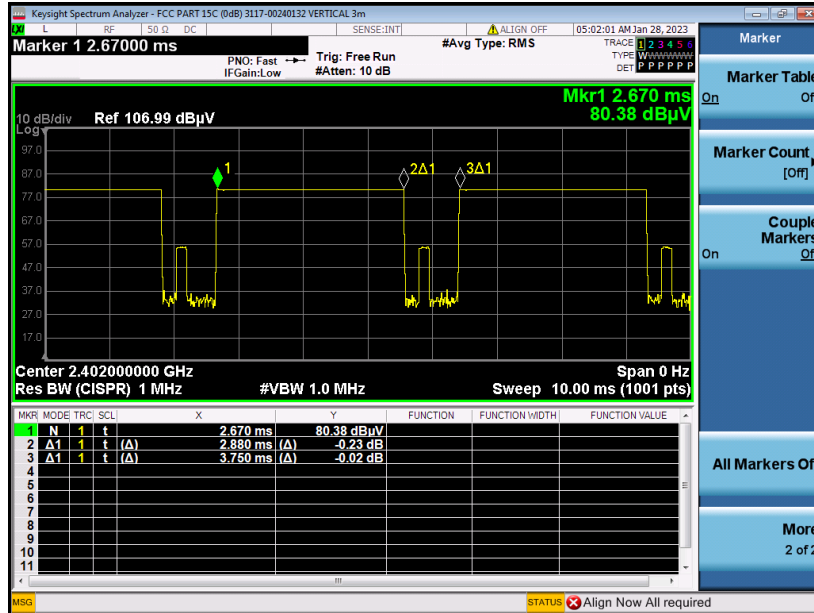
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Avg



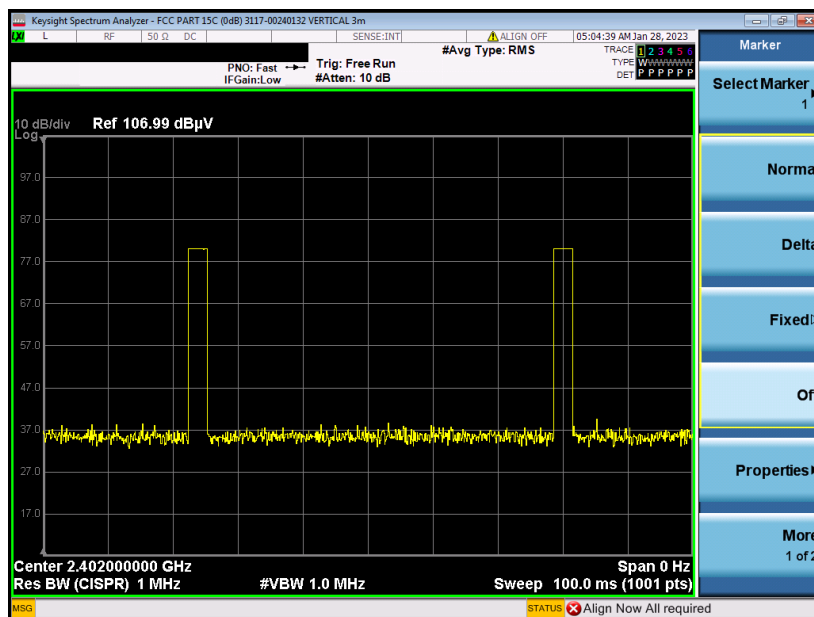
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		Limit	Read	Ant	Cable	Preamp	Aux	APos	TPos	Remark																																																																																																																				
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	2	199.75	33.06	43.50	-10.44	48.87	15.11	1.92	32.84	0.00	---	---	Peak																																																																																																																	
	3	359.80	31.57	46.00	-14.43	41.22	20.70	2.56	32.91	0.00	---	---	Peak																																																																																																																	
	4	533.43	30.28	46.00	-15.72	35.86	24.36	3.11	33.05	0.00	---	---	Peak																																																																																																																	
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3	263.77	32.53	46.00	-13.47	43.36	19.76	2.19	32.78	0.00	---	---	Peak																																																																																																																		
4	431.58	27.87	46.00	-18.13	35.33	22.72	2.80	32.98	0.00	---	---	Peak																																																																																																																		
5	531.49	32.70	46.00	-13.30	38.29	24.34	3.11	33.04	0.00	---	---	Peak																																																																																																																		
6	592.60	36.61	46.00	-9.39	40.36	26.04	3.29	33.00	0.00	---	---	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.