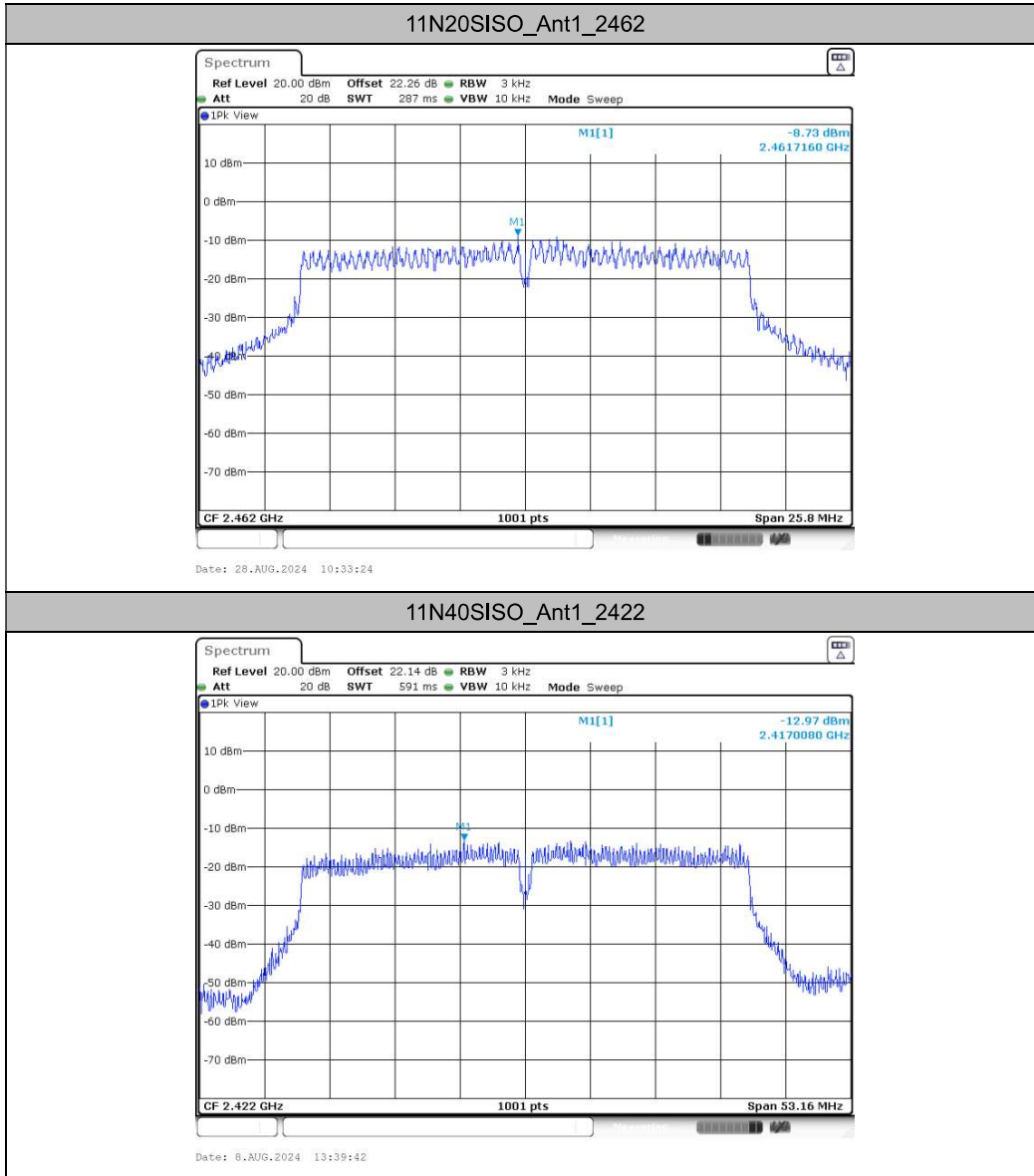
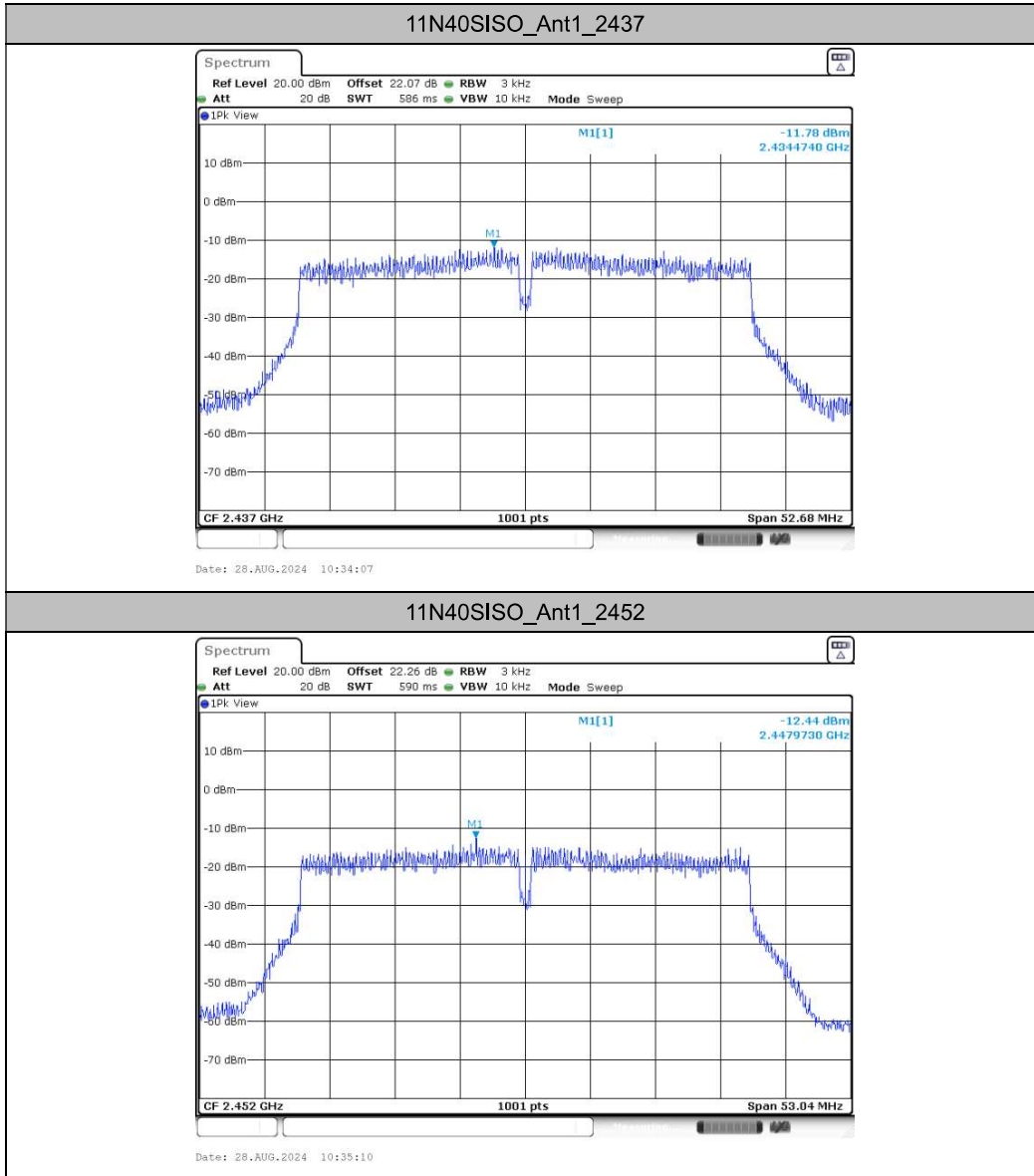










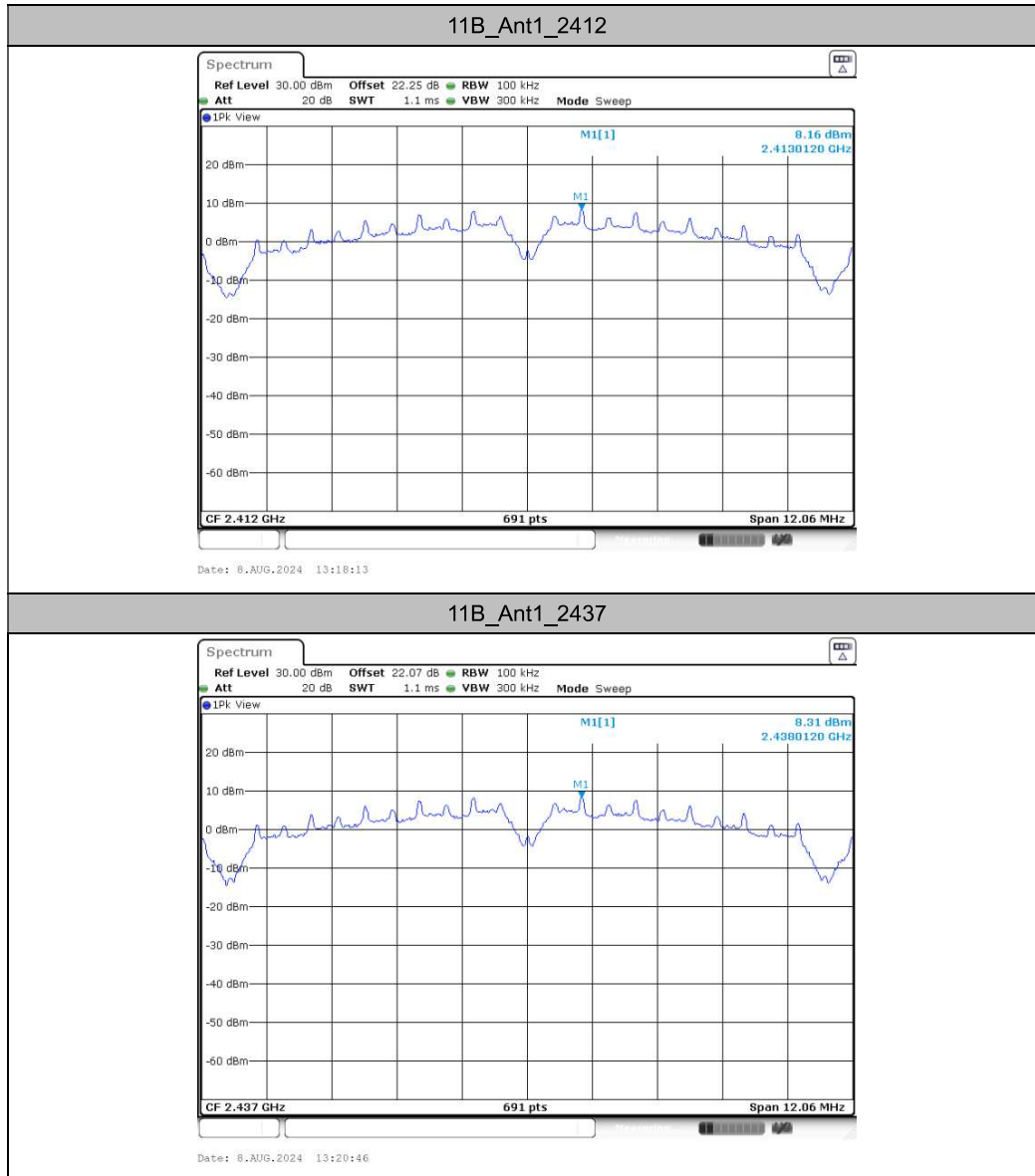
Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm/100KHz]
11B	Ant1	2412	2413.01	8.16
		2437	2438.01	8.31
		2462	2463.00	8.04
11G	Ant1	2412	2413.26	7.69
		2437	2435.74	7.61
		2462	2460.75	7.17
11N20SISO	Ant1	2412	2413.25	6.25
		2437	2435.75	6.25
		2462	2463.27	6.18
11N40SISO	Ant1	2422	2427.00	3.49
		2437	2440.74	3.82
		2452	2447.01	3.66

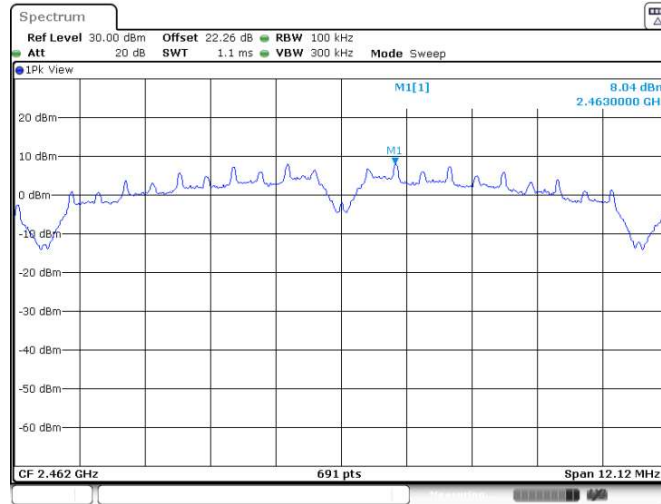


Test Graphs



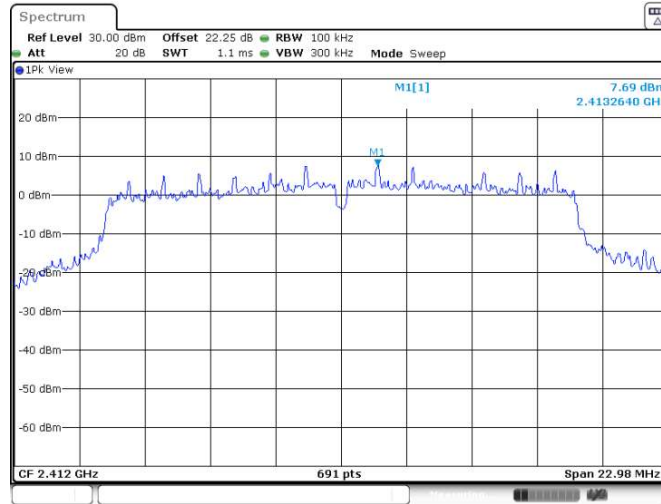


11B_Ant1_2462

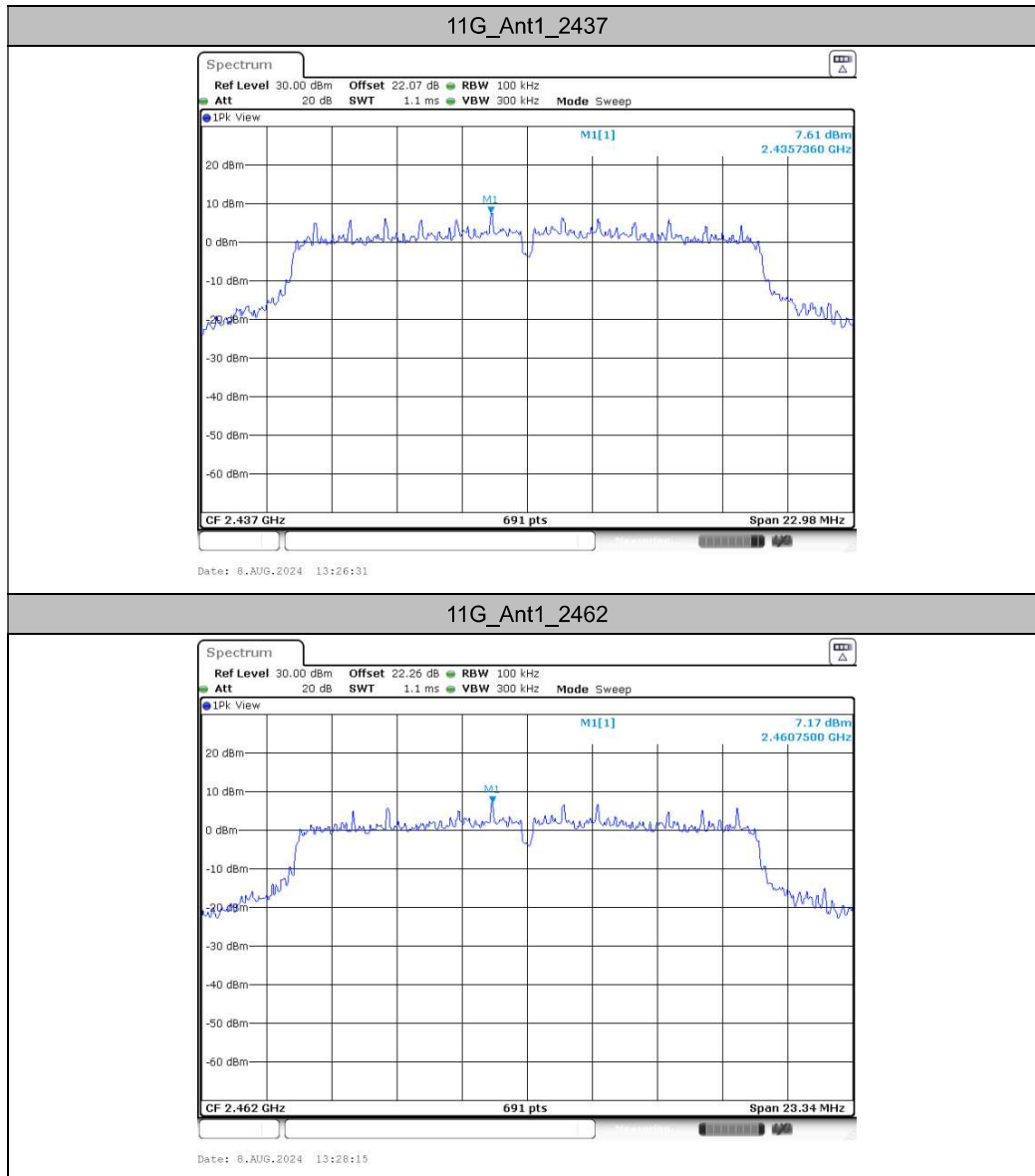


Date: 8.AUG.2024 13:22:40

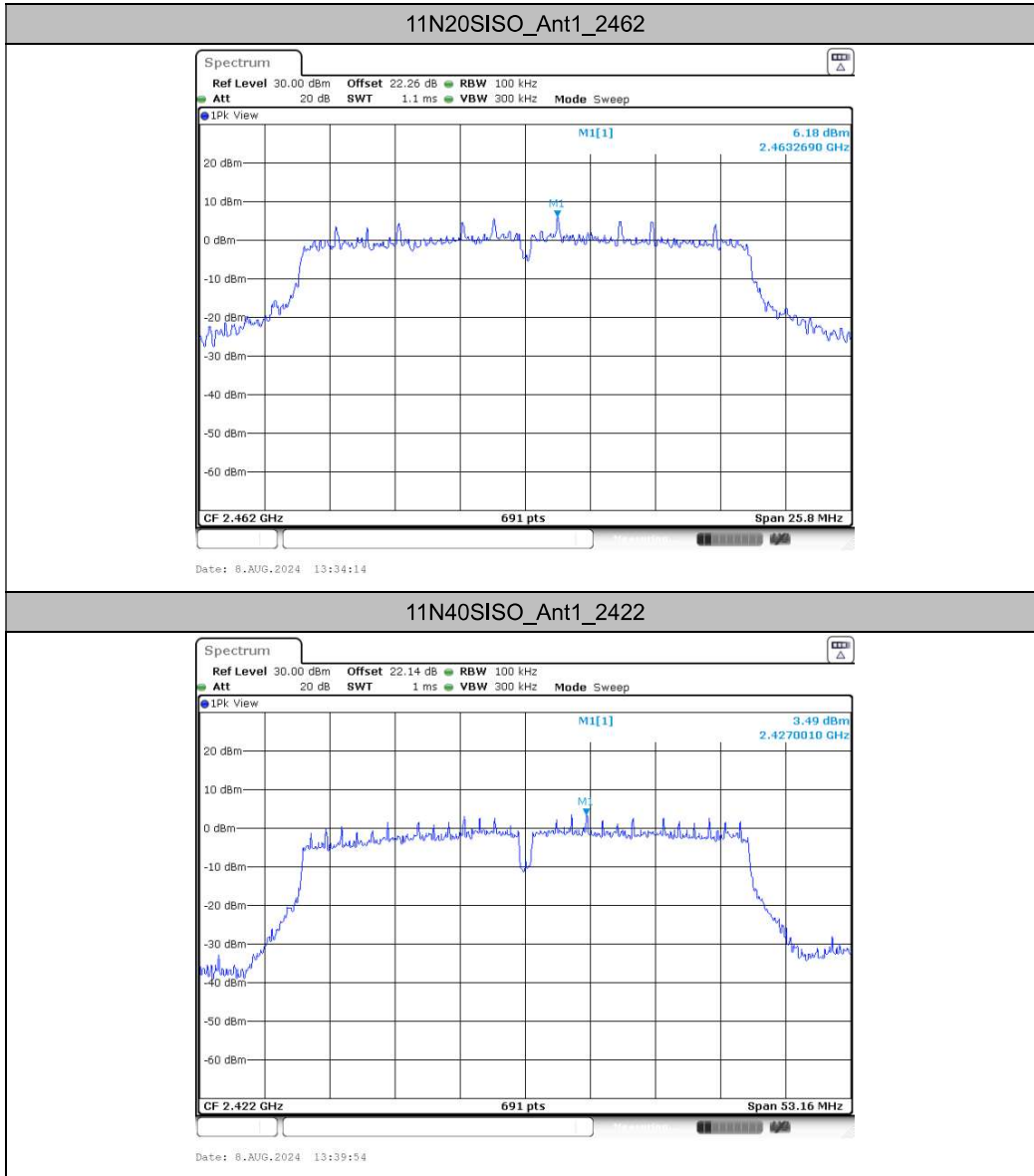
11G_Ant1_2412

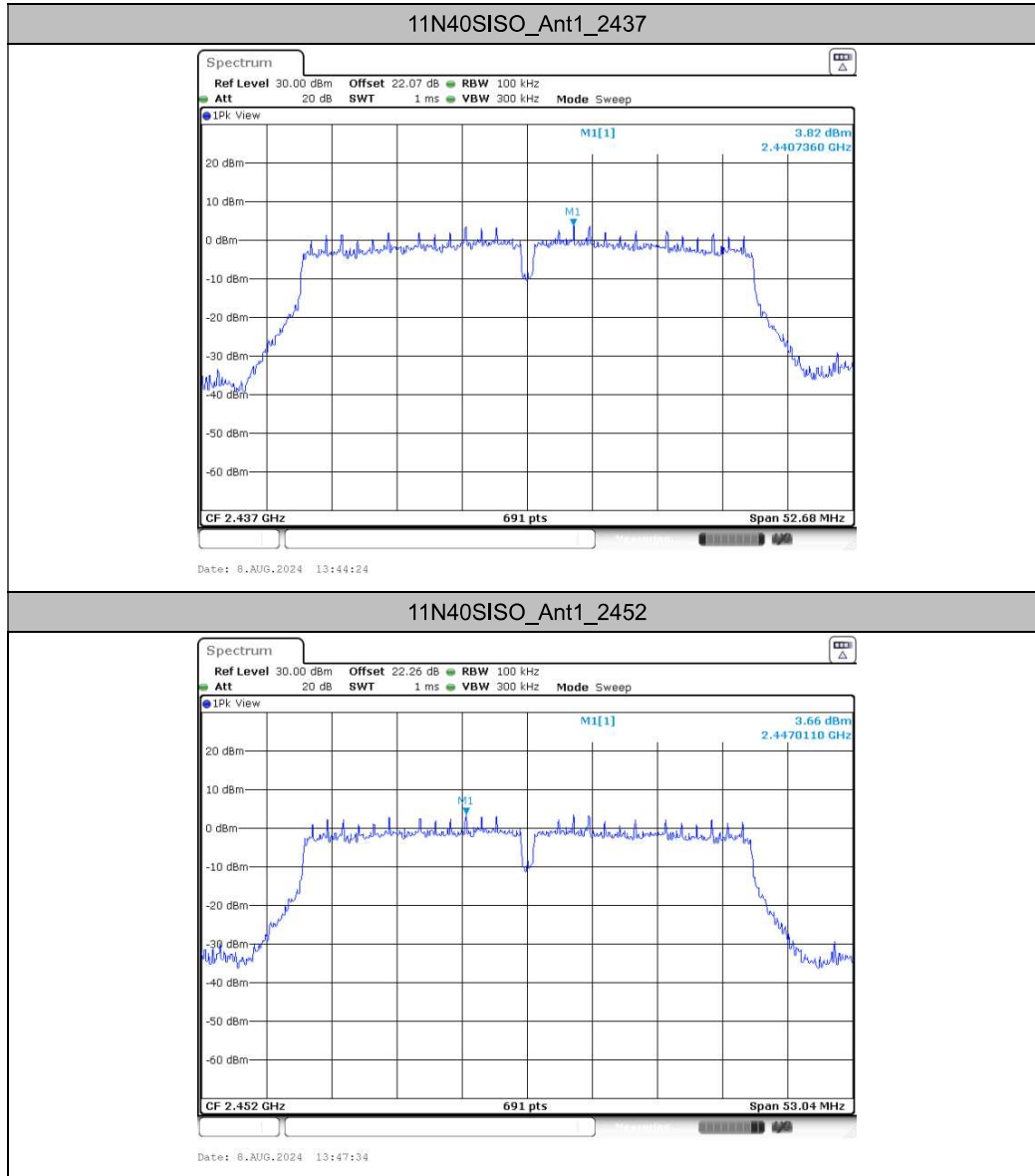


Date: 8.AUG.2024 13:24:44











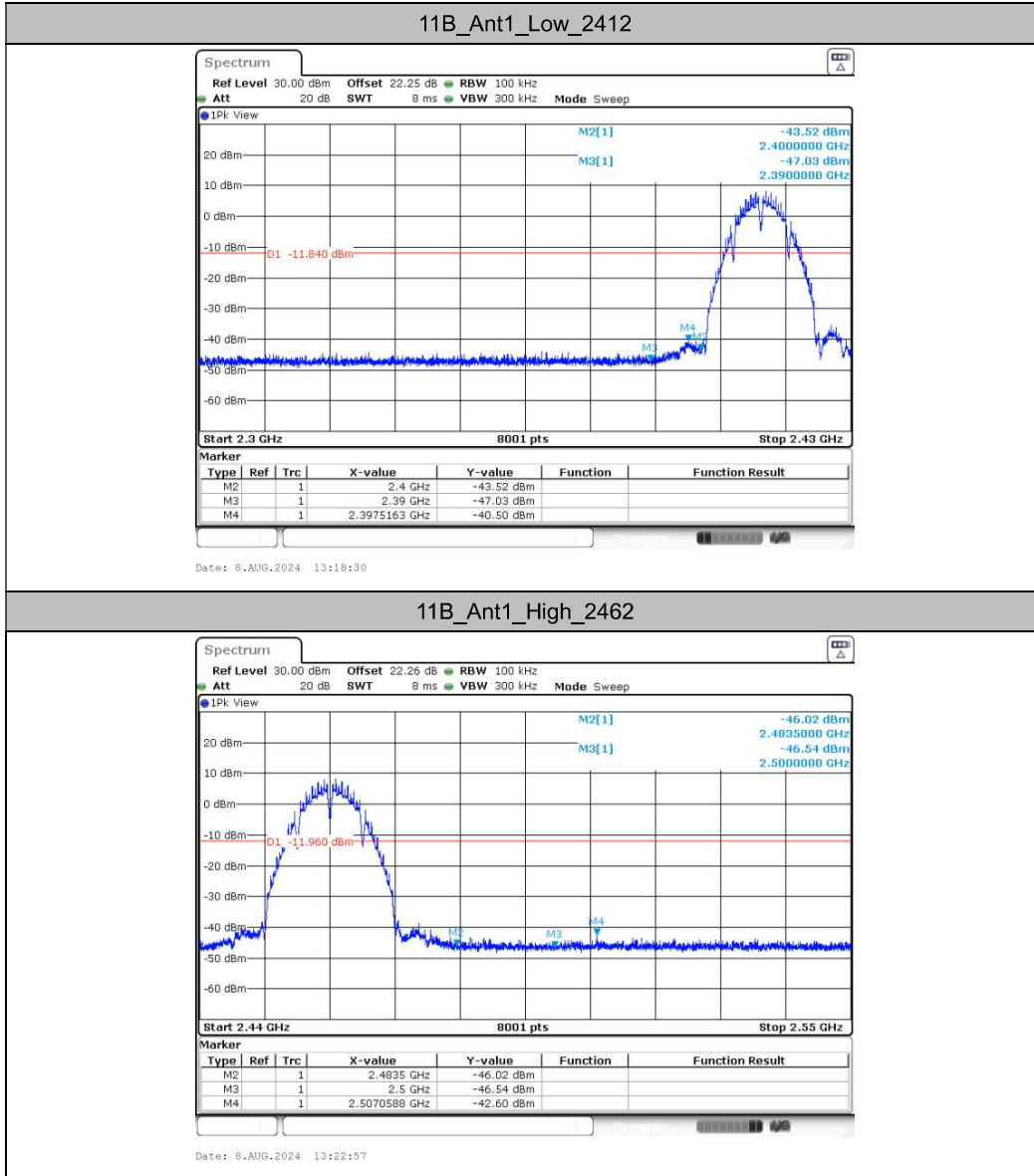
Band edge measurements

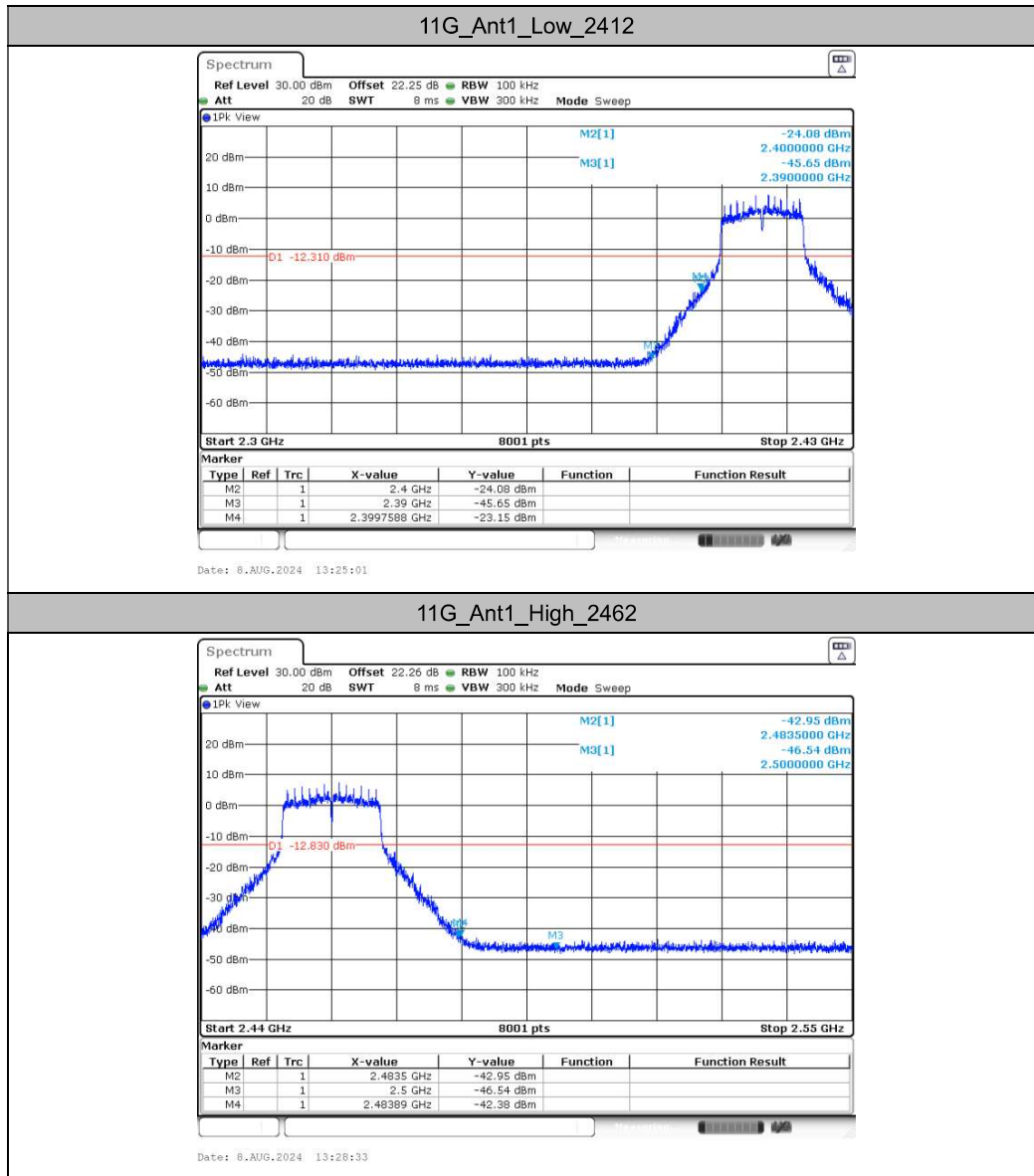
Test Result

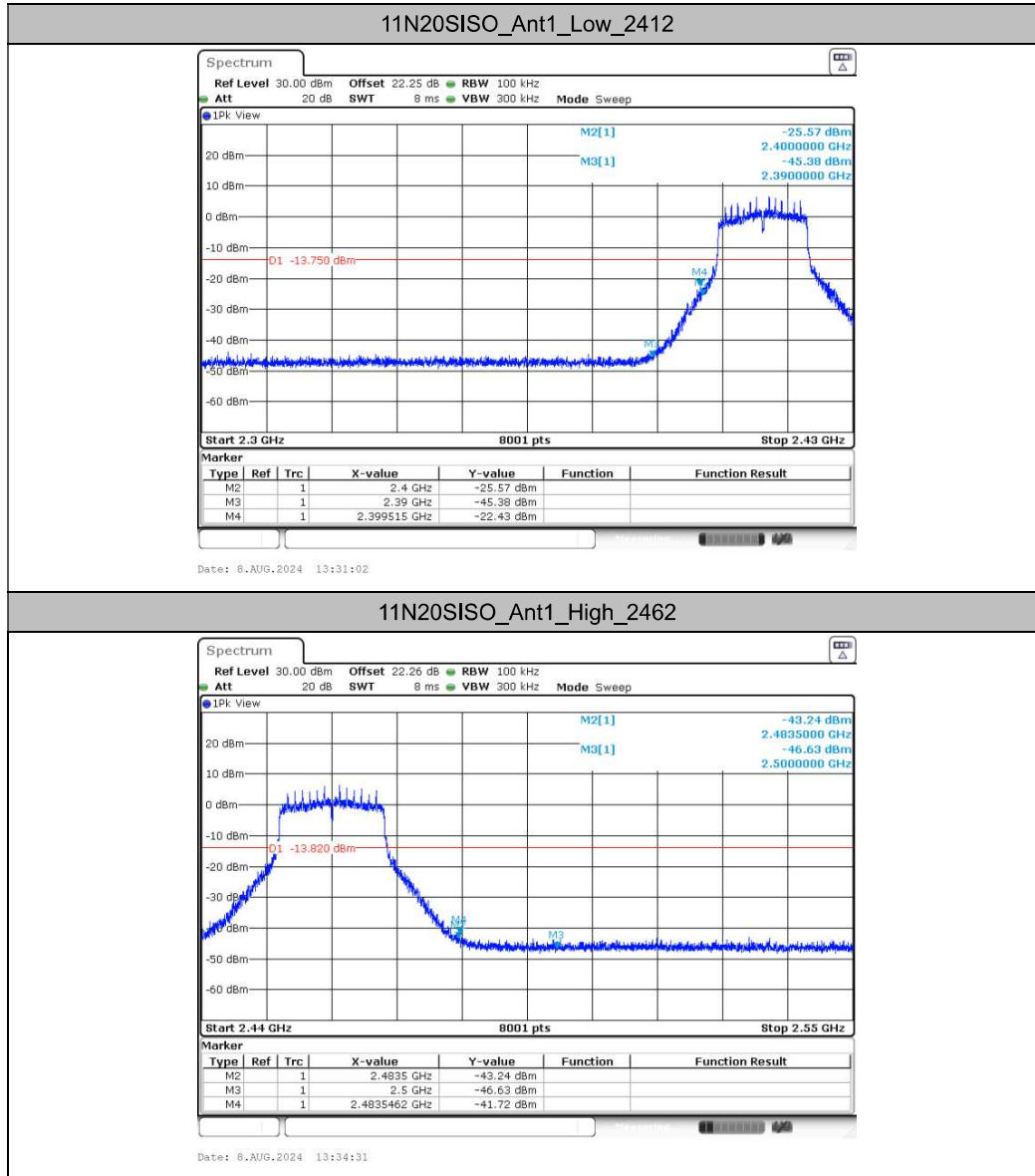
TestMode	Antenna	Channel Name	Freq(MHz)	RefLevel[dBm /100KHz]	Result[dBm /100KHz]	Limit[dBm /100KHz]	Verdict
11B	Ant1	Low	2412	8.16	-40.5	≤-11.84	PASS
		High	2462	8.04	-42.6	≤-11.96	PASS
11G	Ant1	Low	2412	7.69	-23.15	≤-12.31	PASS
		High	2462	7.17	-42.38	≤-12.83	PASS
11N20SISO	Ant1	Low	2412	6.25	-22.43	≤-13.75	PASS
		High	2462	6.18	-41.72	≤-13.82	PASS
11N40SISO	Ant1	Low	2422	3.49	-33.18	≤-16.51	PASS
		High	2452	3.66	-33.78	≤-16.34	PASS

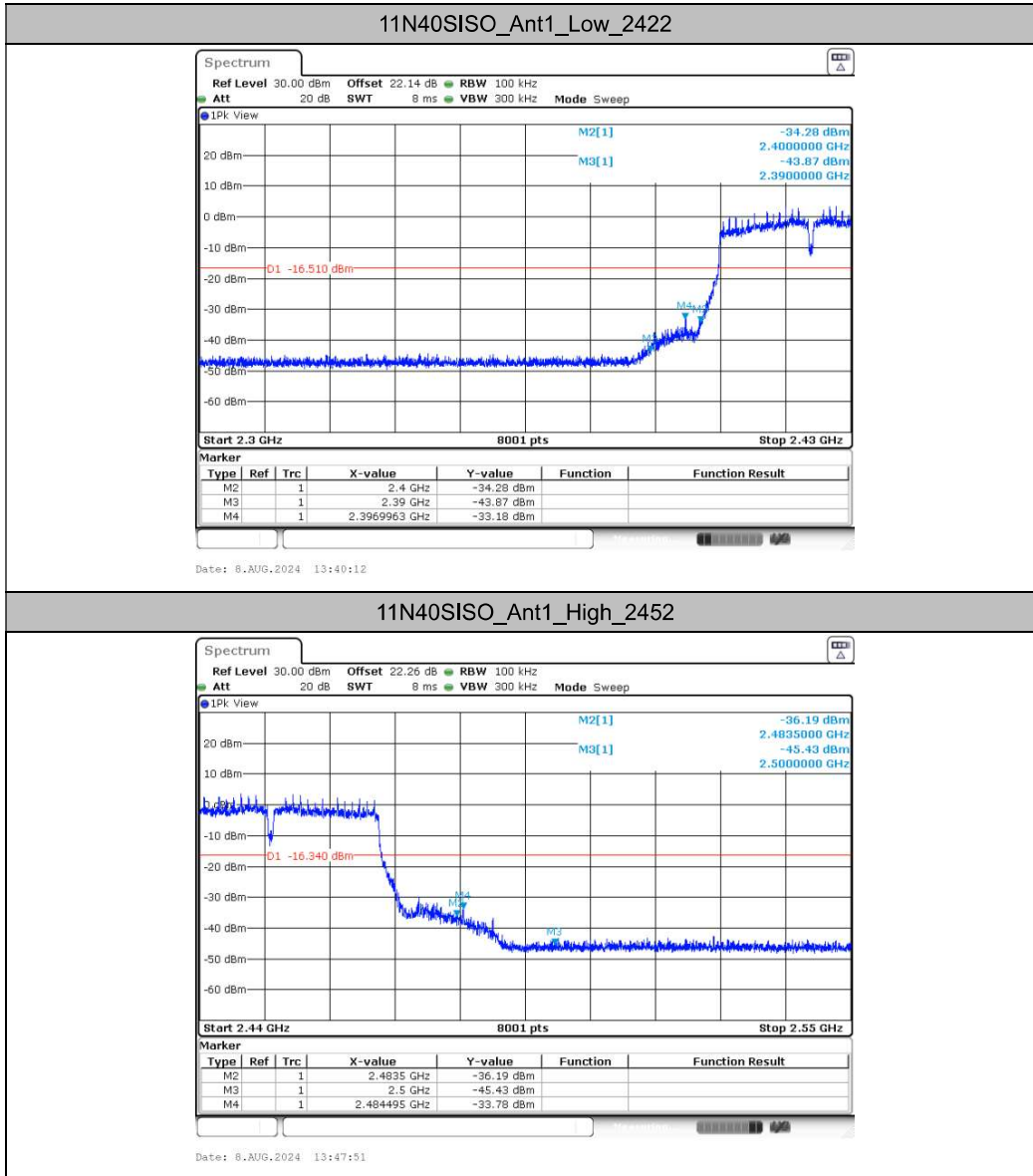


Test Graphs











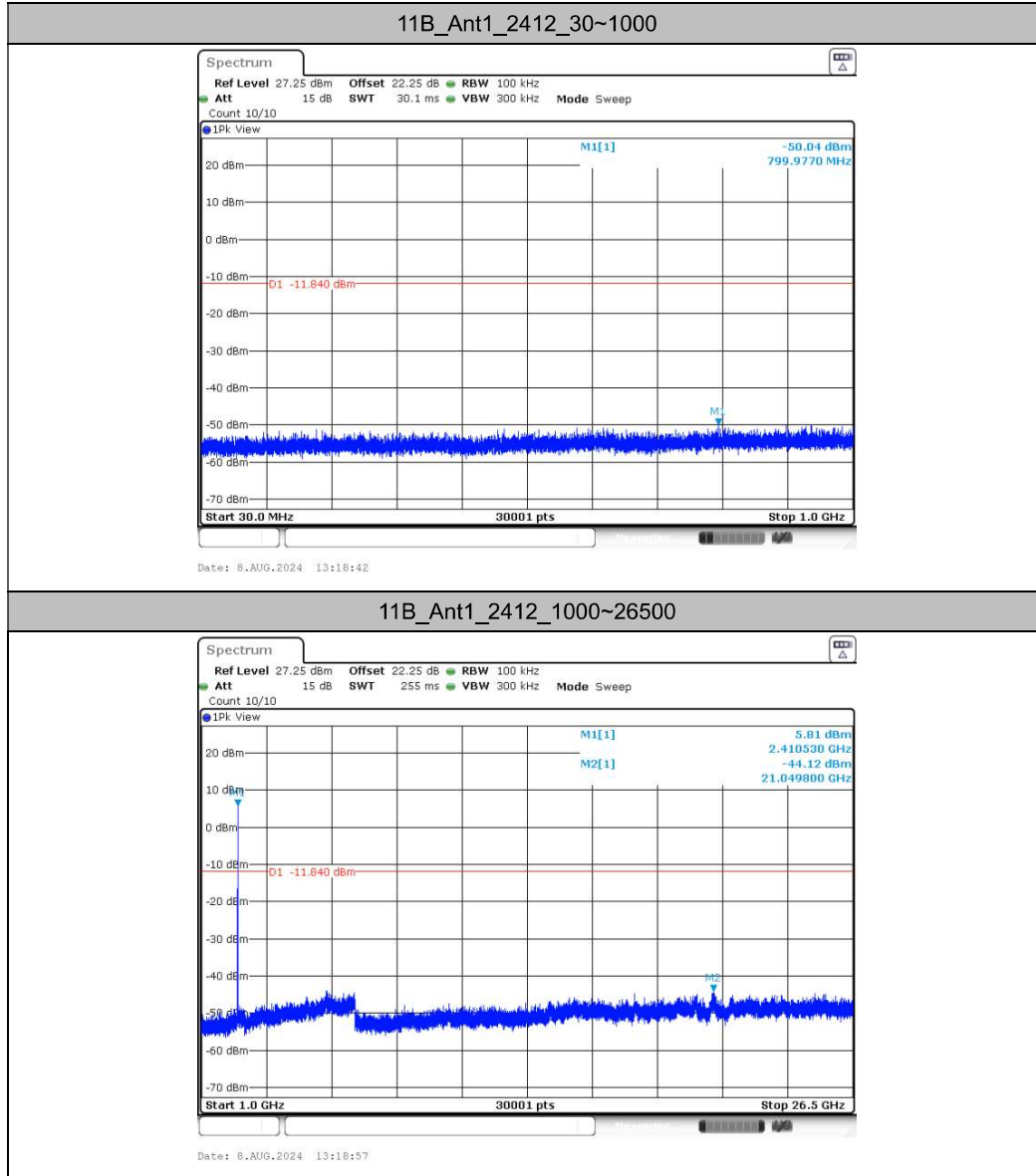
Conducted Spurious Emission

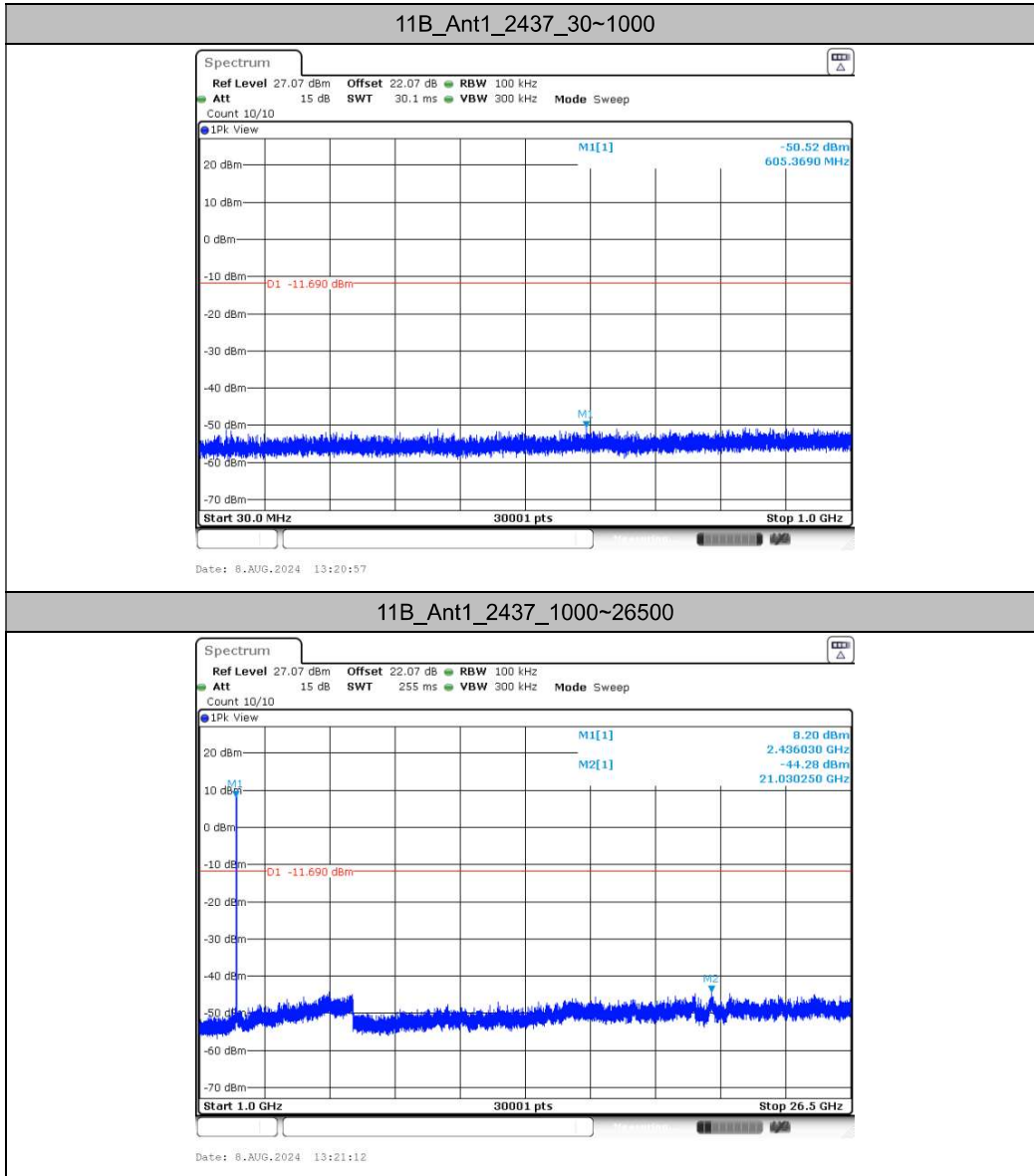
Test Result

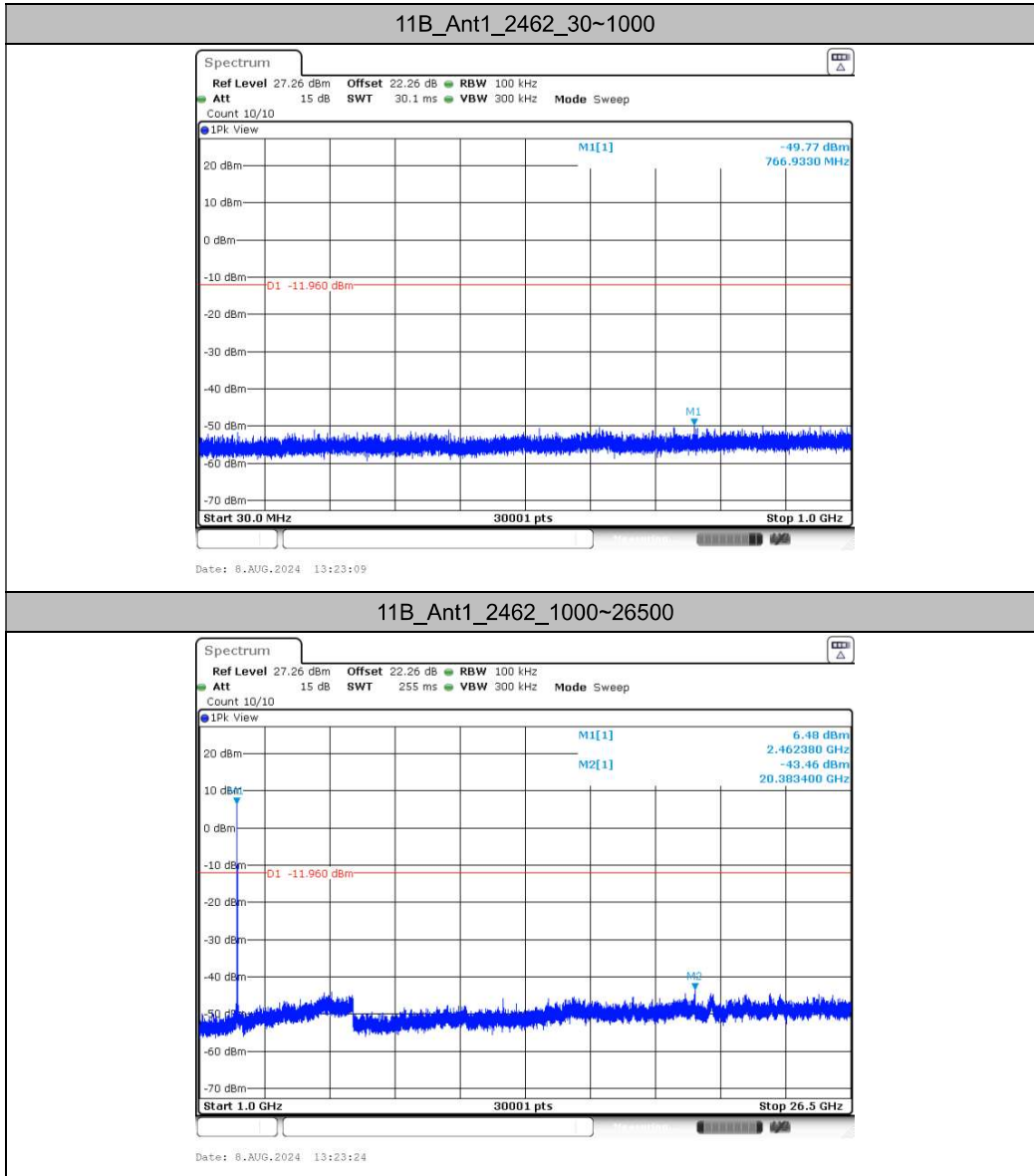
TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm/100KHz]	Result [dBm/100KHz]	Limit [dBm/100KHz]	Verdict
11B	Ant1	2412	30~1000	8.16	-50.04	≤-11.84	PASS
			1000~26500	8.16	-44.12	≤-11.84	PASS
		2437	30~1000	8.31	-50.52	≤-11.69	PASS
			1000~26500	8.31	-44.28	≤-11.69	PASS
		2462	30~1000	8.04	-49.77	≤-11.96	PASS
			1000~26500	8.04	-43.46	≤-11.96	PASS
11G	Ant1	2412	30~1000	7.69	-49.87	≤-12.31	PASS
			1000~26500	7.69	-44.37	≤-12.31	PASS
		2437	30~1000	7.61	-50.15	≤-12.39	PASS
			1000~26500	7.61	-44.04	≤-12.39	PASS
		2462	30~1000	7.17	-49.23	≤-12.83	PASS
			1000~26500	7.17	-43.85	≤-12.83	PASS
11N20SISO	Ant1	2412	30~1000	6.25	-49.68	≤-13.75	PASS
			1000~26500	6.25	-43.28	≤-13.75	PASS
		2437	30~1000	6.25	-50.52	≤-13.75	PASS
			1000~26500	6.25	-43.16	≤-13.75	PASS
		2462	30~1000	6.18	-49.9	≤-13.82	PASS
			1000~26500	6.18	-44.14	≤-13.82	PASS
11N40SISO	Ant1	2422	30~1000	3.49	-49.91	≤-16.51	PASS
			1000~26500	3.49	-43.52	≤-16.51	PASS
		2437	30~1000	3.82	-50.59	≤-16.18	PASS
			1000~26500	3.82	-44.72	≤-16.18	PASS
		2452	30~1000	3.66	-50.12	≤-16.34	PASS
			1000~26500	3.66	-44.06	≤-16.34	PASS

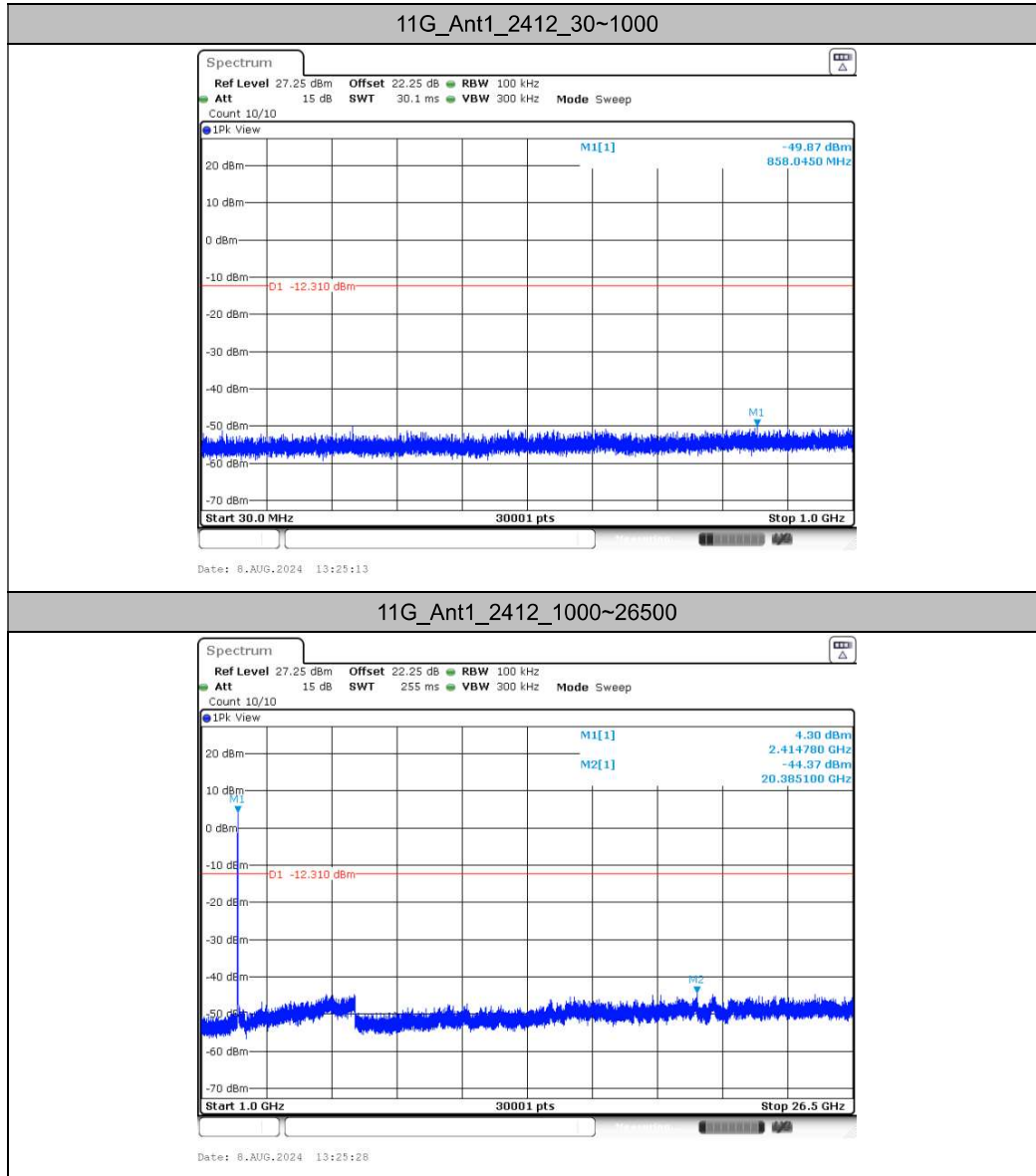


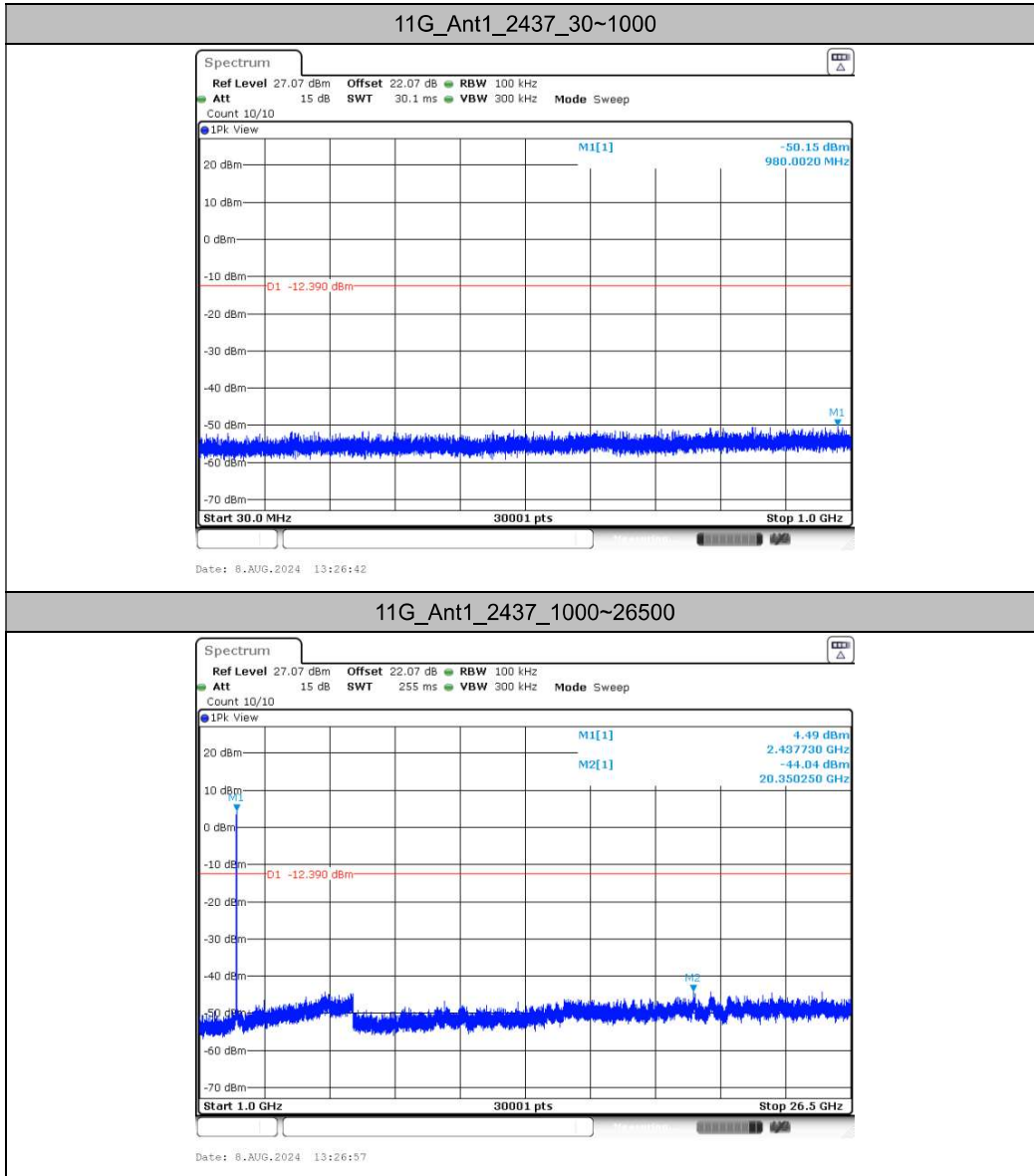
Test Graphs

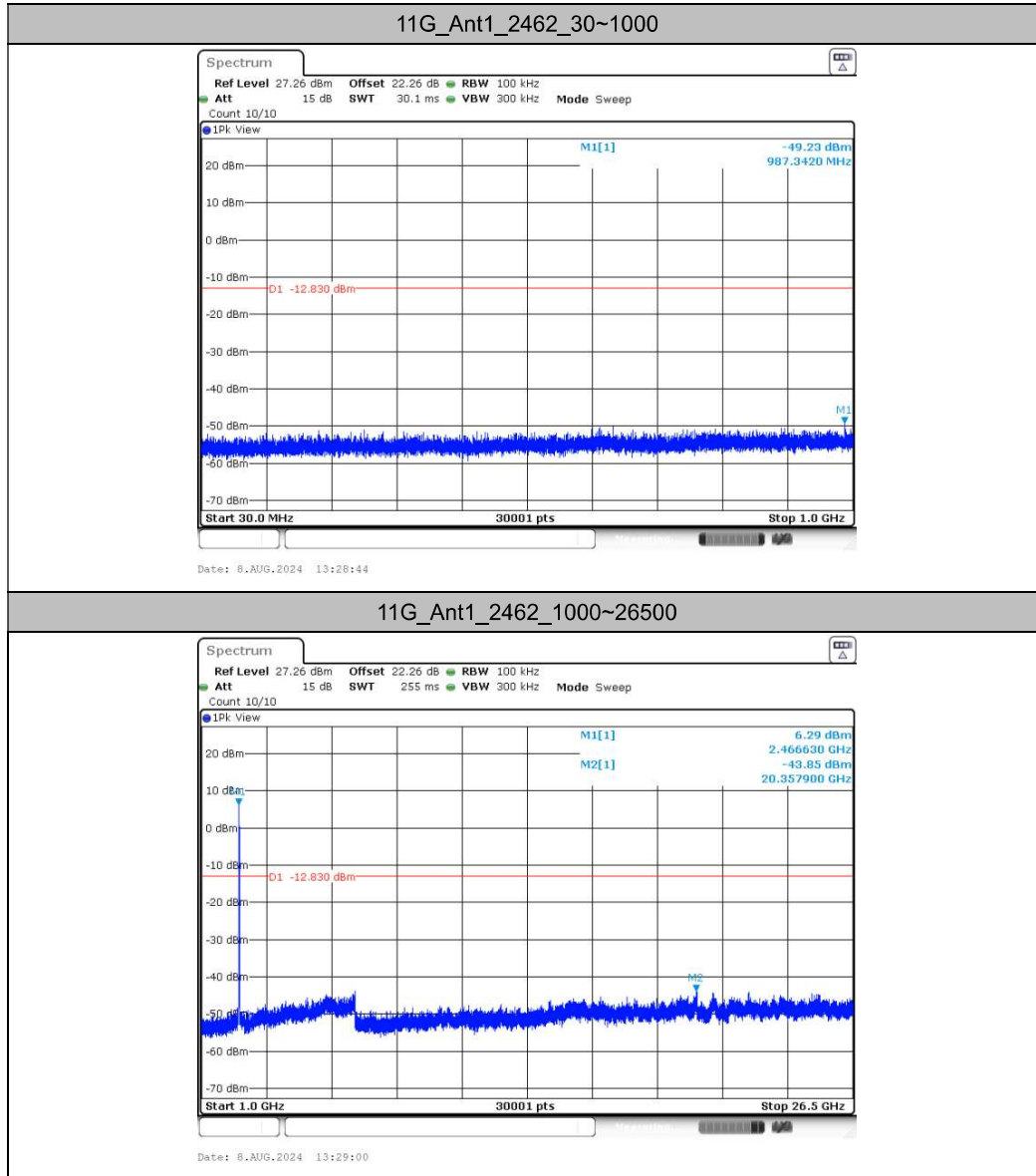


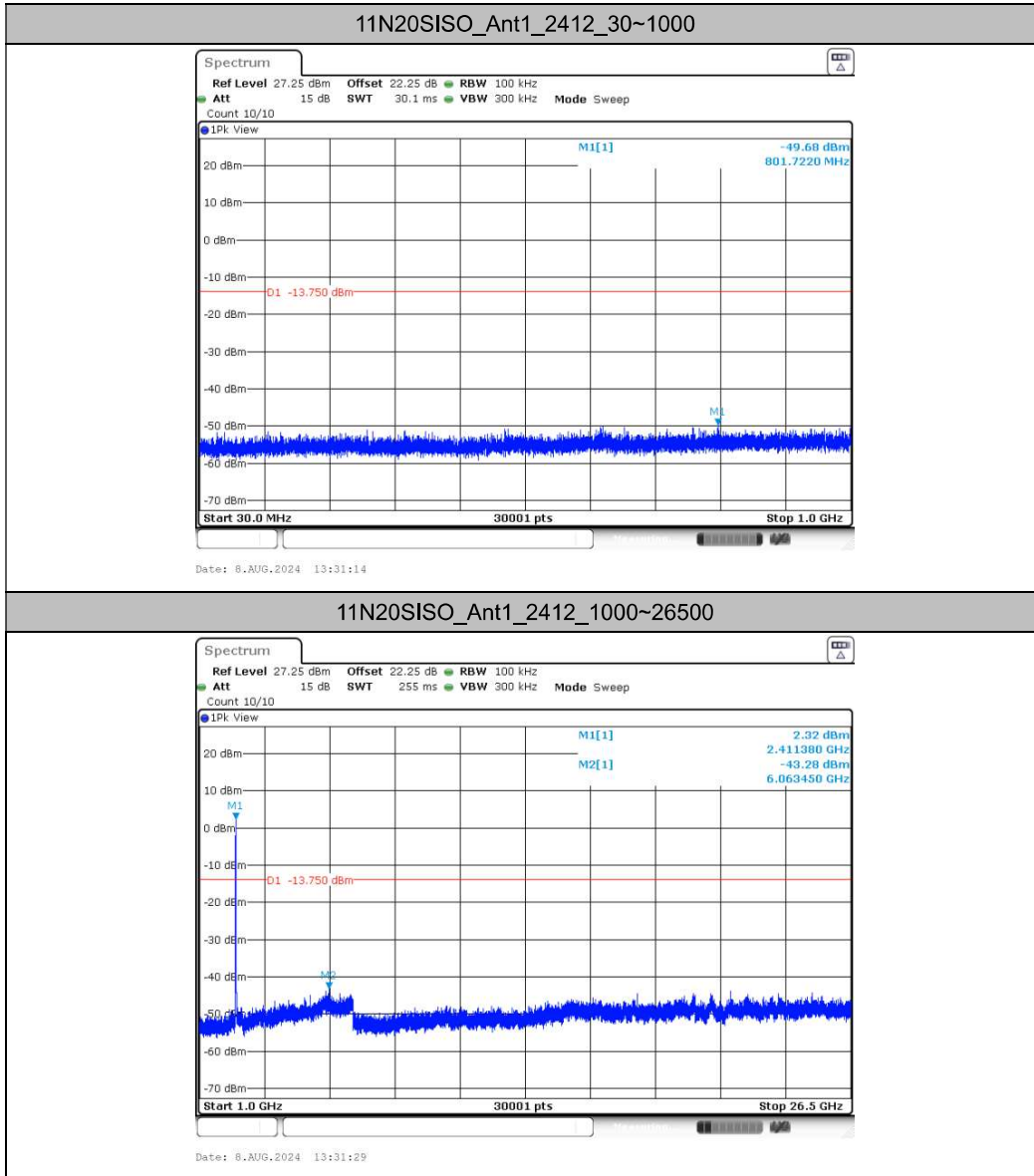


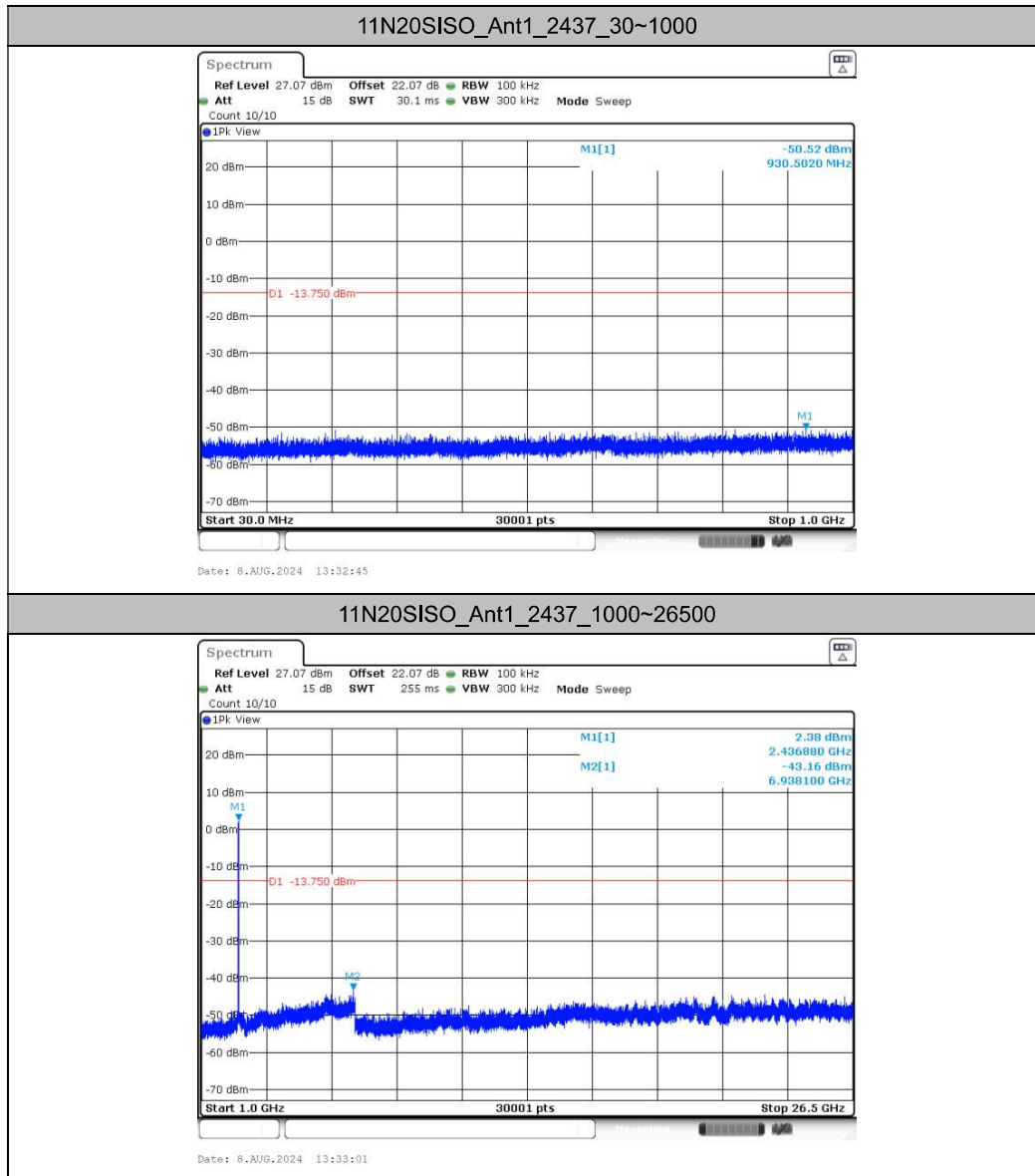


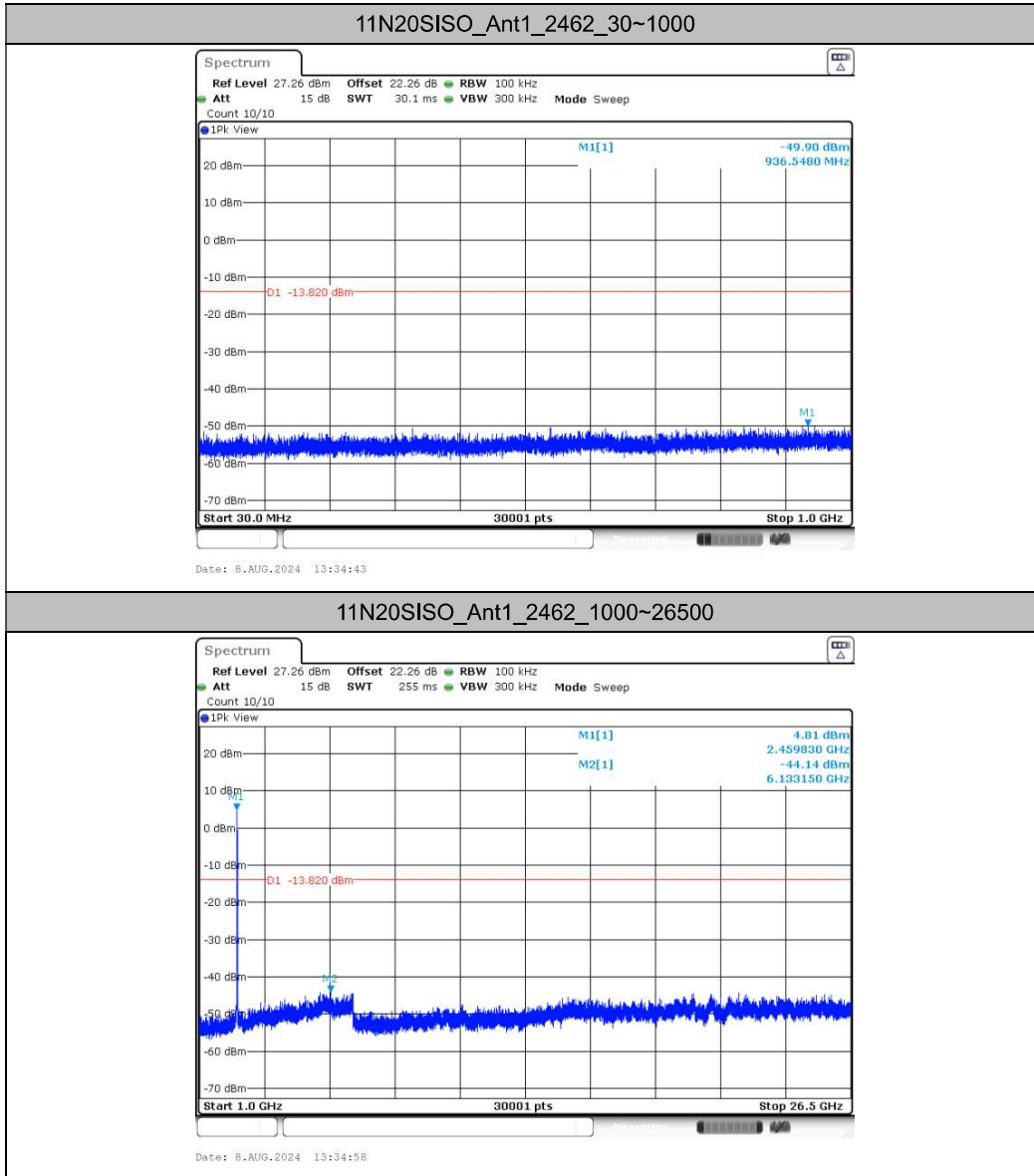


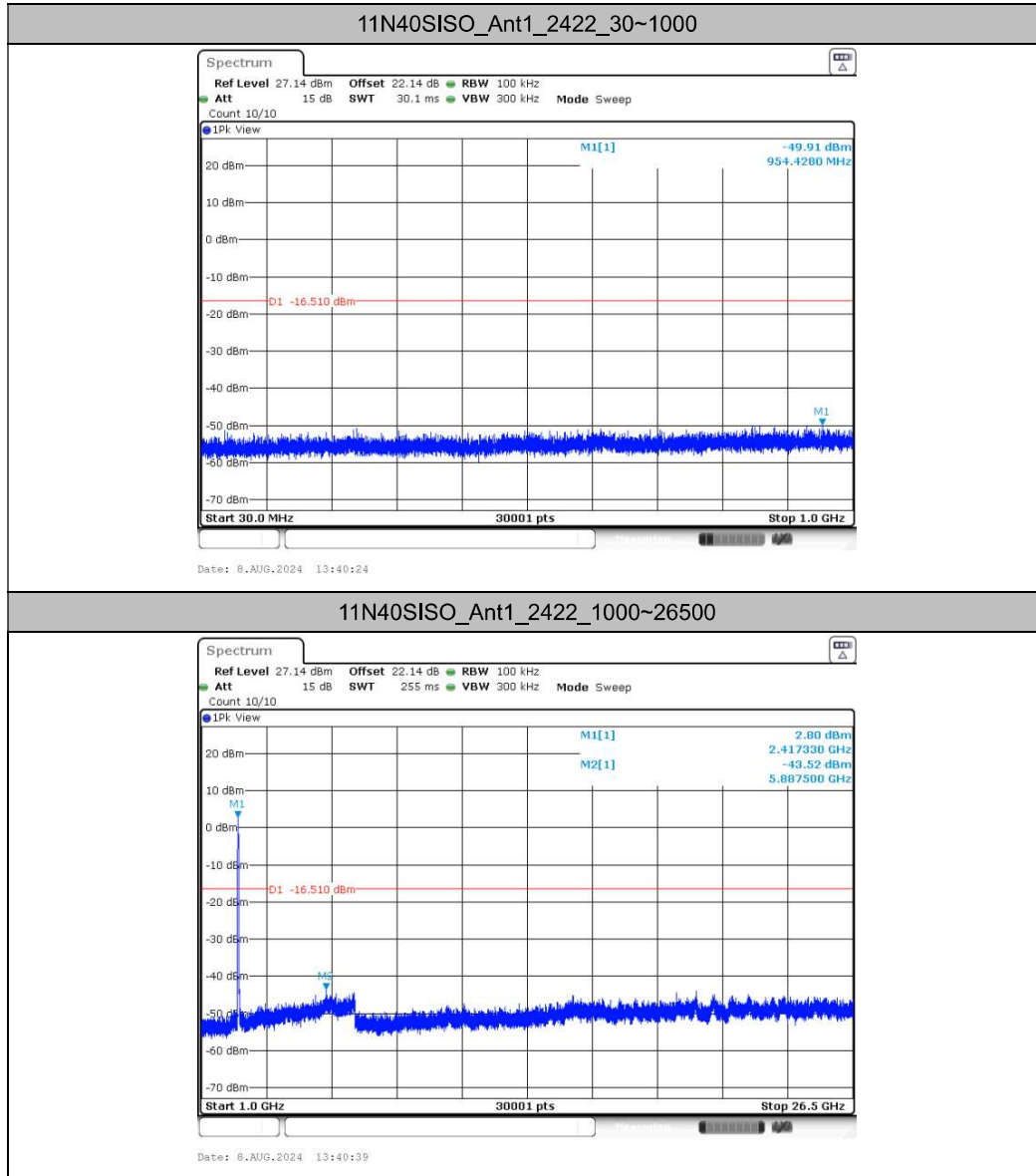


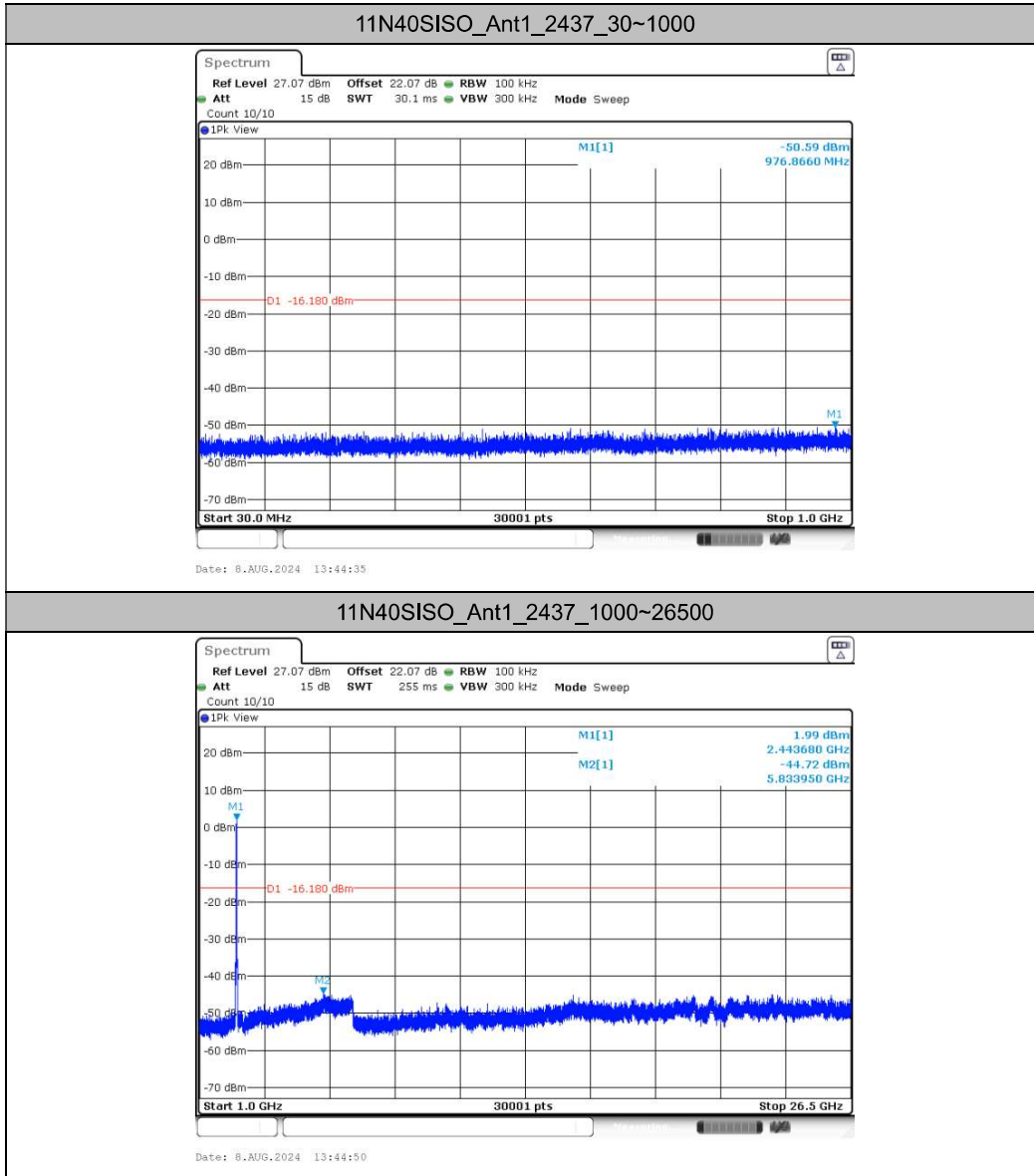


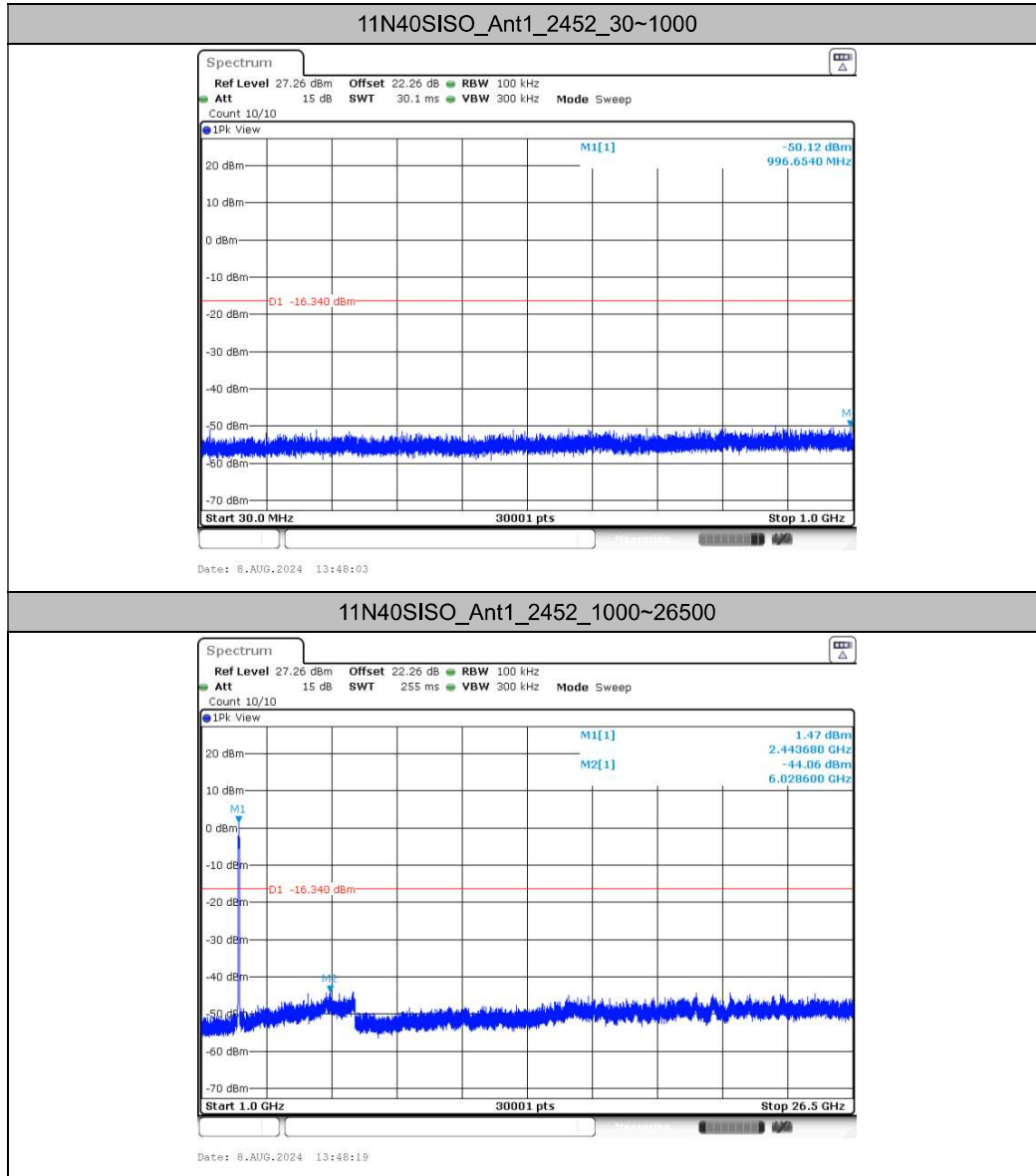








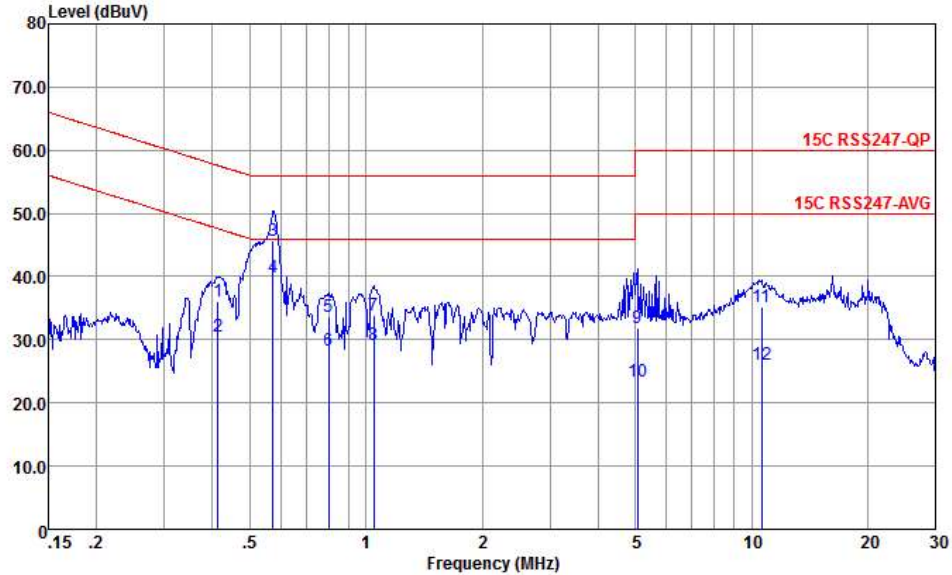






Appendix B. AC Conducted Emission Test Results

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.		

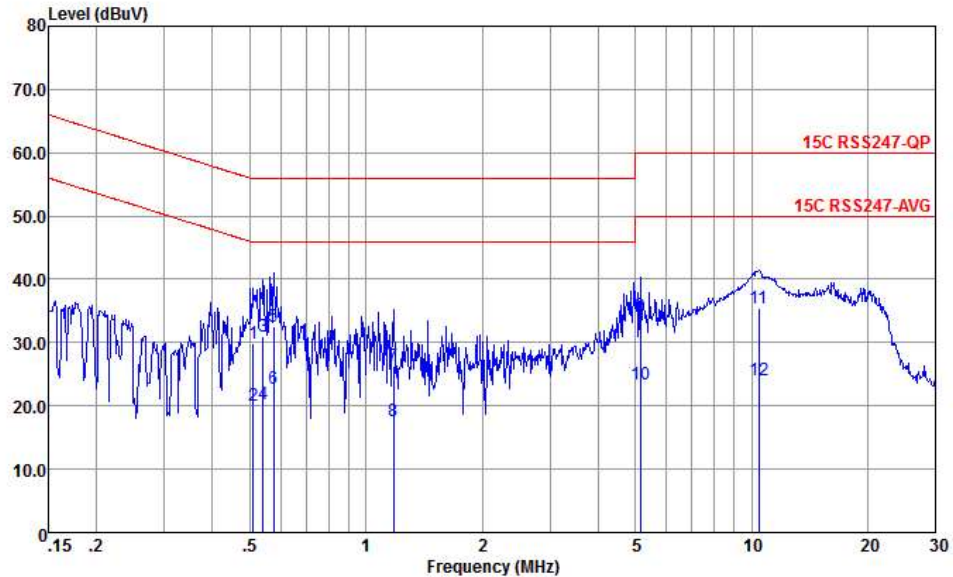


Site : CO01-KS
Condition : 15C RSS247-QP LISN-060105-L 2024 LINE

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV		dB	
1	0.413	36.13	-21.46	57.59	25.90	-0.04	10.27	QP
2	0.413	30.53	-17.06	47.59	20.30	-0.04	10.27	Average
3	0.573	45.66	-10.34	56.00	35.60	-0.13	10.19	QP
4 *	0.573	39.94	-6.06	46.00	29.88	-0.13	10.19	Average
5	0.800	33.55	-22.45	56.00	23.60	-0.16	10.11	QP
6	0.800	28.25	-17.75	46.00	18.30	-0.16	10.11	Average
7	1.049	33.91	-22.09	56.00	24.00	-0.18	10.09	QP
8	1.049	29.11	-16.89	46.00	19.20	-0.18	10.09	Average
9	5.058	31.84	-28.16	60.00	22.00	-0.22	10.06	QP
10	5.058	23.40	-26.60	50.00	13.56	-0.22	10.06	Average
11	10.620	35.23	-24.77	60.00	24.70	-0.23	10.76	QP
12	10.620	26.13	-23.87	50.00	15.60	-0.23	10.76	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	0.510	29.96	-26.04	56.00	19.89	-0.15	10.22	QP
2	0.510	19.96	-26.04	46.00	9.89	-0.15	10.22	Average
3	0.541	30.95	-25.05	56.00	20.90	-0.15	10.20	QP
4	0.541	20.35	-25.65	46.00	10.30	-0.15	10.20	Average
5	0.576	32.63	-23.37	56.00	22.60	-0.16	10.19	QP
6 *	0.576	22.83	-23.17	46.00	12.80	-0.16	10.19	Average
7	1.178	26.40	-29.60	56.00	16.49	-0.18	10.09	QP
8	1.178	17.70	-28.30	46.00	7.79	-0.18	10.09	Average
9	5.139	34.36	-25.64	60.00	24.51	-0.21	10.06	QP
10	5.139	23.36	-26.64	50.00	13.51	-0.21	10.06	Average
11	10.452	35.36	-24.64	60.00	24.90	-0.27	10.73	QP
12	10.452	23.96	-26.04	50.00	13.50	-0.27	10.73	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 :	Koi Ji	Relative Humidity :	51 ~ 53%
		Temperature :	25.2 ~ 26.5℃

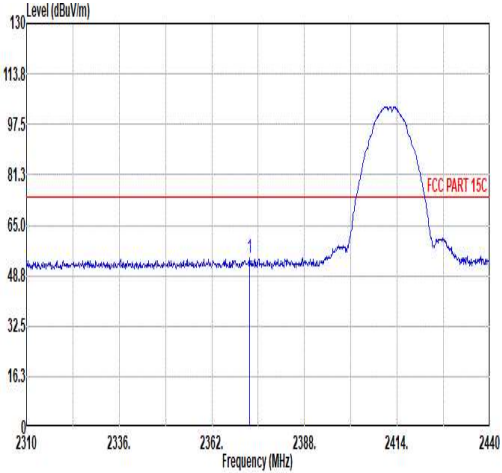
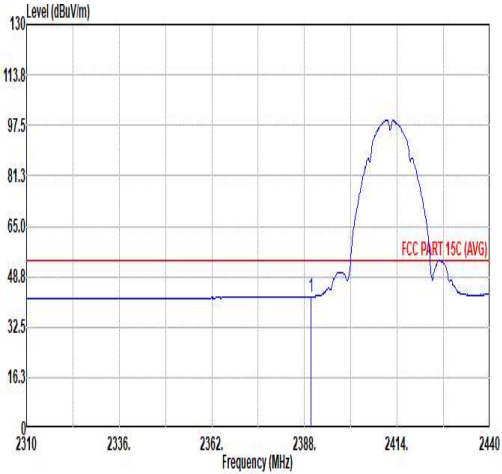
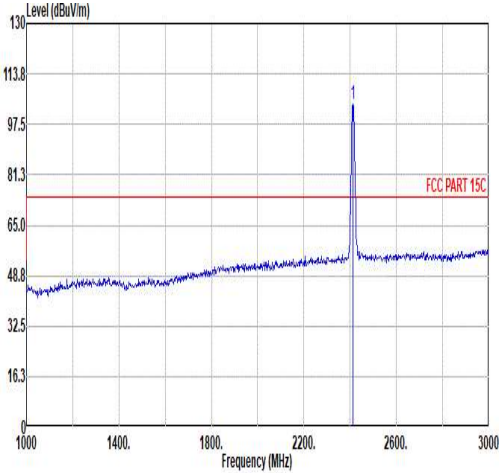
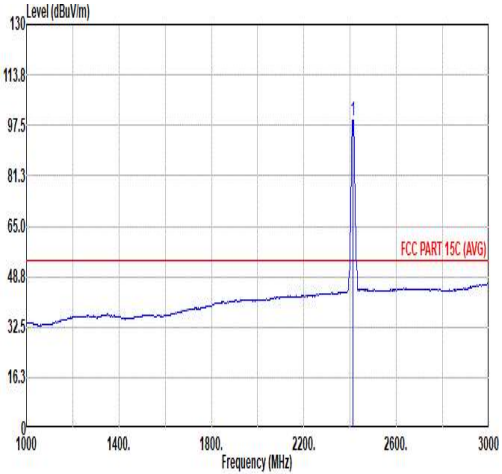
Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Antenna	Modulation	Channel	Frequency	Data Rate	RU	Remark
Mode 7	2400-2483.5	1	802.11b	1	2412	1Mbps	-	-
Mode 8	2400-2483.5	1	802.11b	6	2437	1Mbps	-	-
Mode 9	2400-2483.5	1	802.11b	11	2462	1Mbps	-	-
Mode 10	2400-2483.5	1	802.11g	1	2412	6Mbps	-	-
Mode 11	2400-2483.5	1	802.11g	6	2437	6Mbps	-	-
Mode 12	2400-2483.5	1	802.11g	11	2462	6Mbps	-	-
Mode 13	2400-2483.5	1	802.11n HT20	1	2412	MCS0	-	-
Mode 14	2400-2483.5	1	802.11n HT20	6	2437	MCS0	-	-
Mode 15	2400-2483.5	1	802.11n HT20	11	2462	MCS0	-	-
Mode 16	2400-2483.5	1	802.11n HT40	3	2422	MCS0	-	-
Mode 17	2400-2483.5	1	802.11n HT40	6	2437	MCS0	-	-
Mode 18	2400-2483.5	1	802.11n HT40	9	2452	MCS0	-	-
Mode 23	2400-2483.5	1	802.11g	11	2462	6Mbps	-	-
Part 27M LTE Band 7 -BW 20M								

**Summary of each worse mode**

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
7	802.11b	1	2389.56	42.40	54.00	-11.60	V	AVERAGE	Pass	Band Edge
	802.11b	1	4824.00	49.08	54.00	-4.92	V	AVERAGE	Pass	Harmonic
8	802.11b	6	-	-	-	-	-	-	-	Band Edge
	802.11b	6	4874.00	48.13	54.00	-5.87	V	AVERAGE	Pass	Harmonic
9	802.11b	11	2483.50	43.08	54.00	-10.92	V	AVERAGE	Pass	Band Edge
	802.11b	11	4924.00	48.26	54.00	-5.74	V	AVERAGE	Pass	Harmonic
10	802.11g	1	2389.95	46.83	54.00	-7.17	V	AVERAGE	Pass	Band Edge
	802.11g	1	6432.00	47.98	54.00	-6.02	V	AVERAGE	Pass	Harmonic
11	802.11g	6	-	-	-	-	-	-	-	Band Edge
	802.11g	6	4874.00	43.47	74.00	-30.53	V	PEAK	Pass	Harmonic
12	802.11g	11	2483.50	51.63	54.00	-2.37	V	AVERAGE	Pass	Band Edge
12	802.11g	11	4924.00	44.95	74.00	-29.05	V	PEAK	Pass	Harmonic
13	802.11n HT20	1	2389.95	50.53	54.00	-3.47	V	Average	Pass	Band Edge
13	802.11n HT20	1	6432.00	47.22	78.51	-31.29	V	PEAK	Pass	Harmonic
14	802.11n HT20	6	-	-	-	-	-	-	-	Band Edge
14	802.11n HT20	6	4874.00	43.36	74.00	-30.64	V	PEAK	Pass	Harmonic
15	802.11n HT20	11	2483.50	50.46	54.00	-3.54	V	Average	Pass	Band Edge
15	802.11n HT20	11	4924.00	45.06	74.00	-28.94	V	PEAK	Pass	Harmonic
16	802.11n HT40	3	2389.95	47.27	54.00	-6.73	V	AVERAGE	Pass	Band Edge
16	802.11n HT40	3	6459.00	47.38	75.15	-27.77	V	PEAK	Pass	Harmonic
17	802.11n HT40	6	2483.62	51.46	54.00	-2.54	V	AVERAGE	Pass	Band Edge
17	802.11n HT40	6	6499.00	46.97	76.88	-29.91	V	PEAK	Pass	Harmonic
18	802.11n HT40	9	2484.04	51.32	54.00	-2.68	V	AVERAGE	Pass	Band Edge
18	802.11n HT40	9	6538.00	46.49	75.25	-28.76	V	PEAK	Pass	Harmonic
23	802.11g	11	2483.50	49.59	54.00	-4.41	V	AVERAGE	Pass	Band Edge
	802.11g	11	4920.00	41.11	54.00	-12.89	V	Average	Pass	Harmonic



	7																																																								
Mode	Band Edge																																																								
	2400-2483.5_802.11b_CH1_2412MHz																																																								
ANT	1																																																								
Pol.	Horizontal						Fundamental																																																		
Peak	 Level (dBuV/m) Frequency (MHz) FCC PART 15C <table><thead><tr><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>2372.66</td><td>54.59</td><td>74.00</td><td>-19.41</td><td>38.75</td><td>32.04</td><td>8.74</td><td>30.94</td><td>6.00</td><td>129</td><td>360 PEAK</td></tr></tbody></table>												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	2372.66	54.59	74.00	-19.41	38.75	32.04	8.74	30.94	6.00	129	360 PEAK
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Avg	 Level (dBuV/m) Frequency (MHz) FCC PART 15C (AVG) <table><thead><tr><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>2389.82</td><td>42.36</td><td>54.00</td><td>-11.64</td><td>26.37</td><td>32.14</td><td>8.78</td><td>30.93</td><td>6.00</td><td>129</td><td>360 AVERAGE</td></tr></tbody></table>												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	2389.82	42.36	54.00	-11.64	26.37	32.14	8.78	30.93	6.00	129	360 AVERAGE
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MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	dB	cm	deg																																															
1	2389.82	42.36	54.00	-11.64	26.37	32.14	8.78	30.93	6.00	129	360 AVERAGE																																														
Peak	 Level (dBuV/m) Frequency (MHz) FCC PART 15C <table><thead><tr><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th><th></th><th></th></tr><tr><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr></thead><tbody><tr><td>1</td><td>2412.00</td><td>103.90</td><td>-----</td><td>-----</td><td>87.82</td><td>32.22</td><td>8.80</td><td>30.94</td><td>6.00</td><td>129</td><td>360 PEAK</td></tr></tbody></table>												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	2412.00	103.90	-----	-----	87.82	32.22	8.80	30.94	6.00	129	360 PEAK
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