

Case No. : <u>GTS20250313007-8-03</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH,	
Test Date: <u>2025.3.31</u>	Test Engineer: <u>Evan ouyang</u>

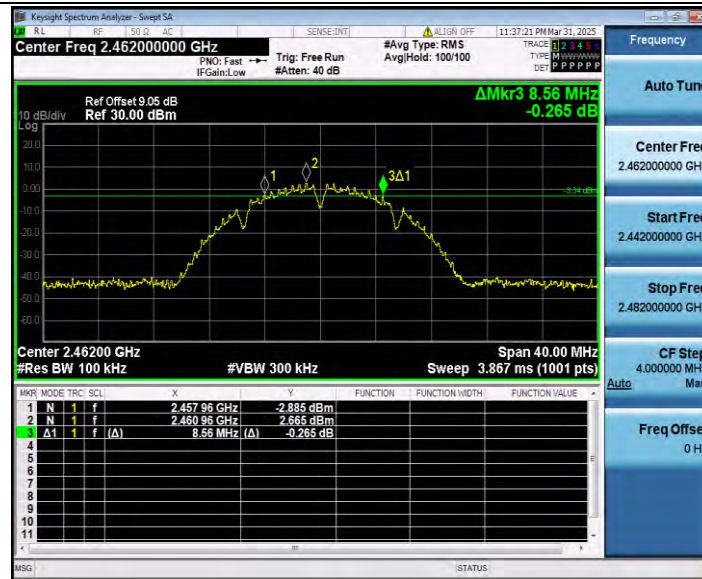
Appendix C.1: DTS Bandwidth

Test Result

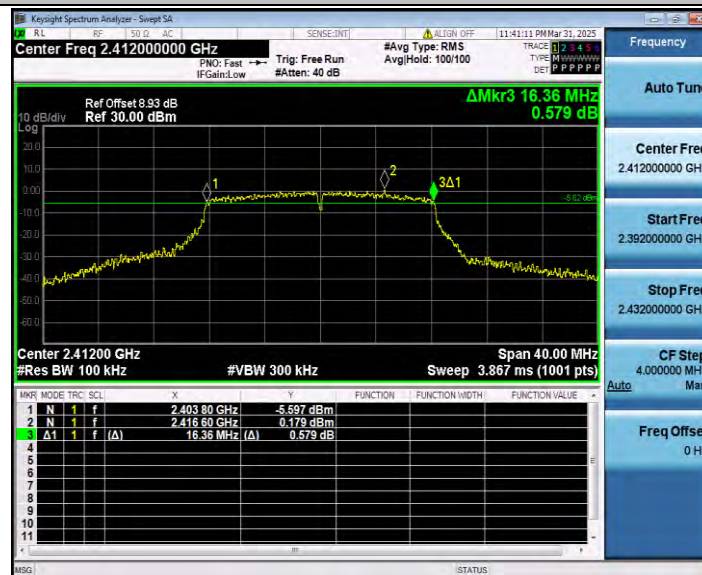
TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.560	2407.960	2416.520	0.5	PASS
		2437	7.520	2433.480	2441.000	0.5	PASS
		2462	8.560	2457.960	2466.520	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.400	2453.760	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.160	2420.800	0.5	PASS
		2437	17.520	2428.240	2445.760	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS

Test Graphs

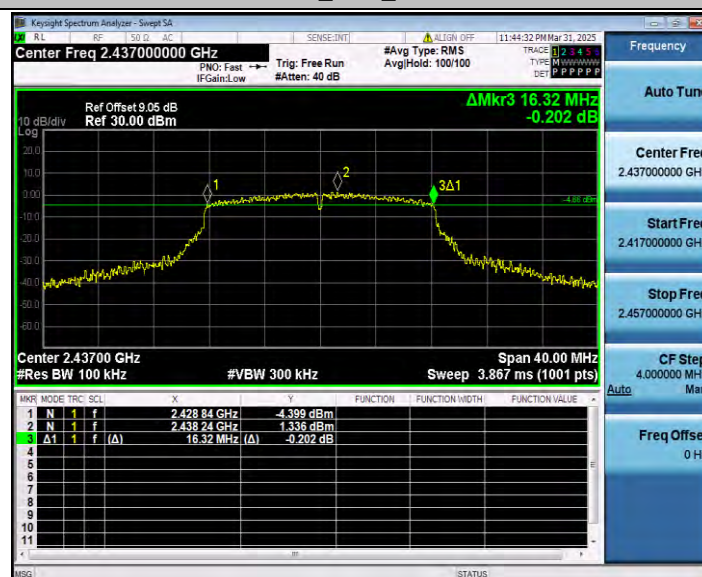




11G_Ant1_2412



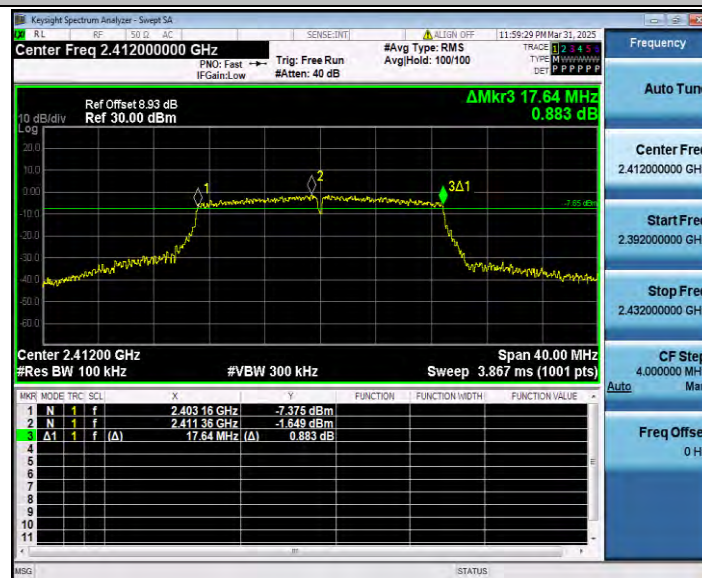
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



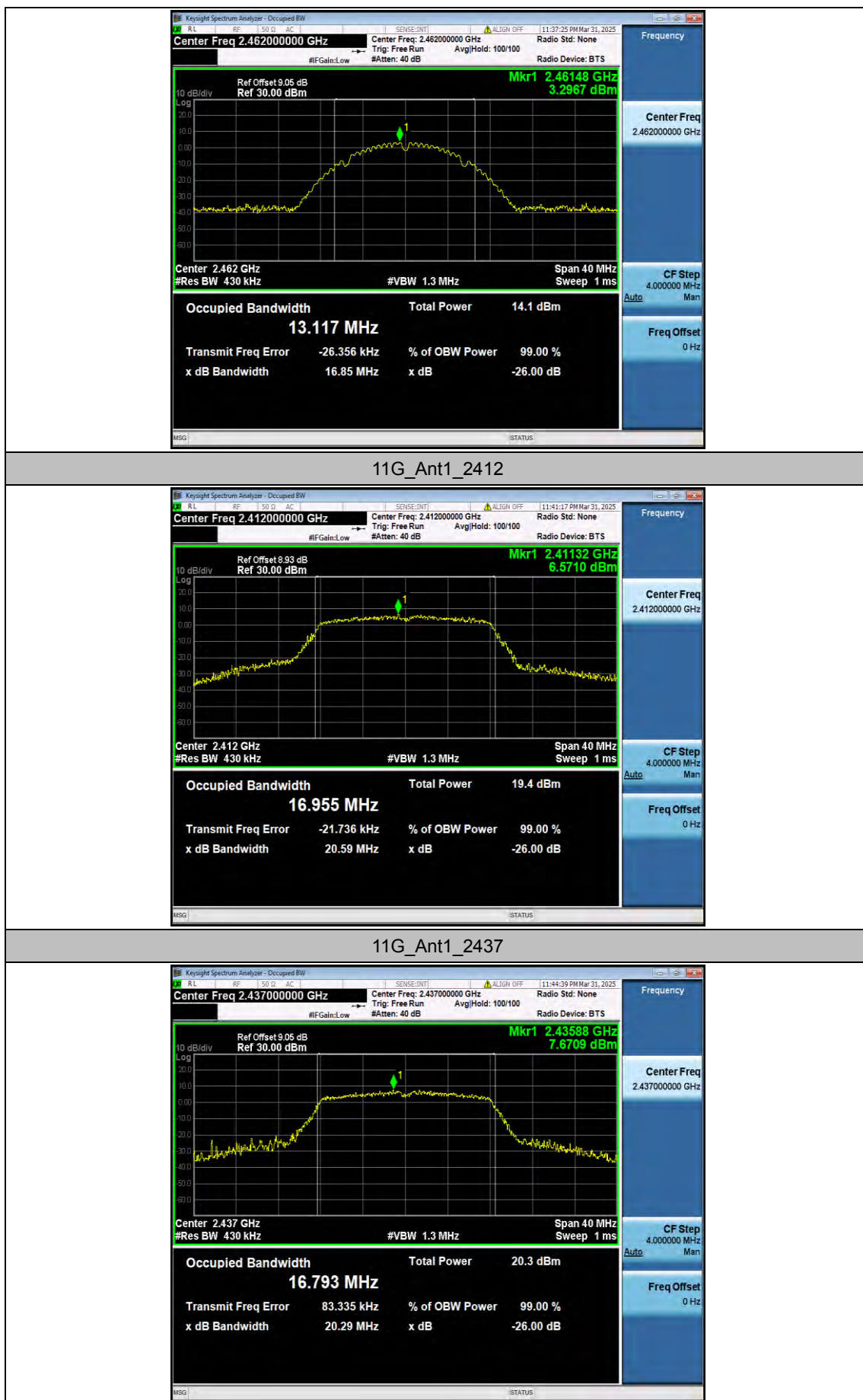
Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.436	2405.1777	2418.6137	---	---
		2437	12.547	2430.8665	2443.4135	---	---
		2462	13.117	2455.4151	2468.5321	---	---
11G	Ant1	2412	16.955	2403.5008	2420.4558	---	---
		2437	16.793	2428.6868	2445.4798	---	---
		2462	16.888	2453.5101	2470.3981	---	---
11N20SISO	Ant1	2412	17.858	2403.0627	2420.9207	---	---
		2437	17.735	2428.1815	2445.9165	---	---
		2462	17.905	2453.0232	2470.9282	---	---

Test Graphs

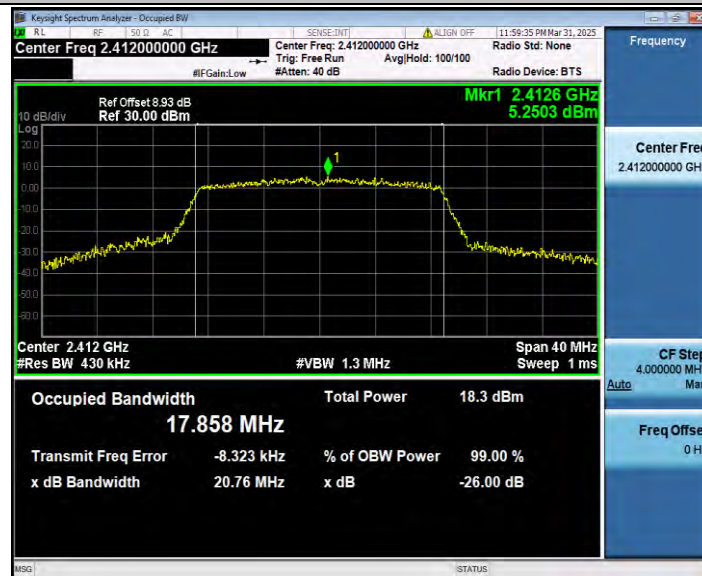




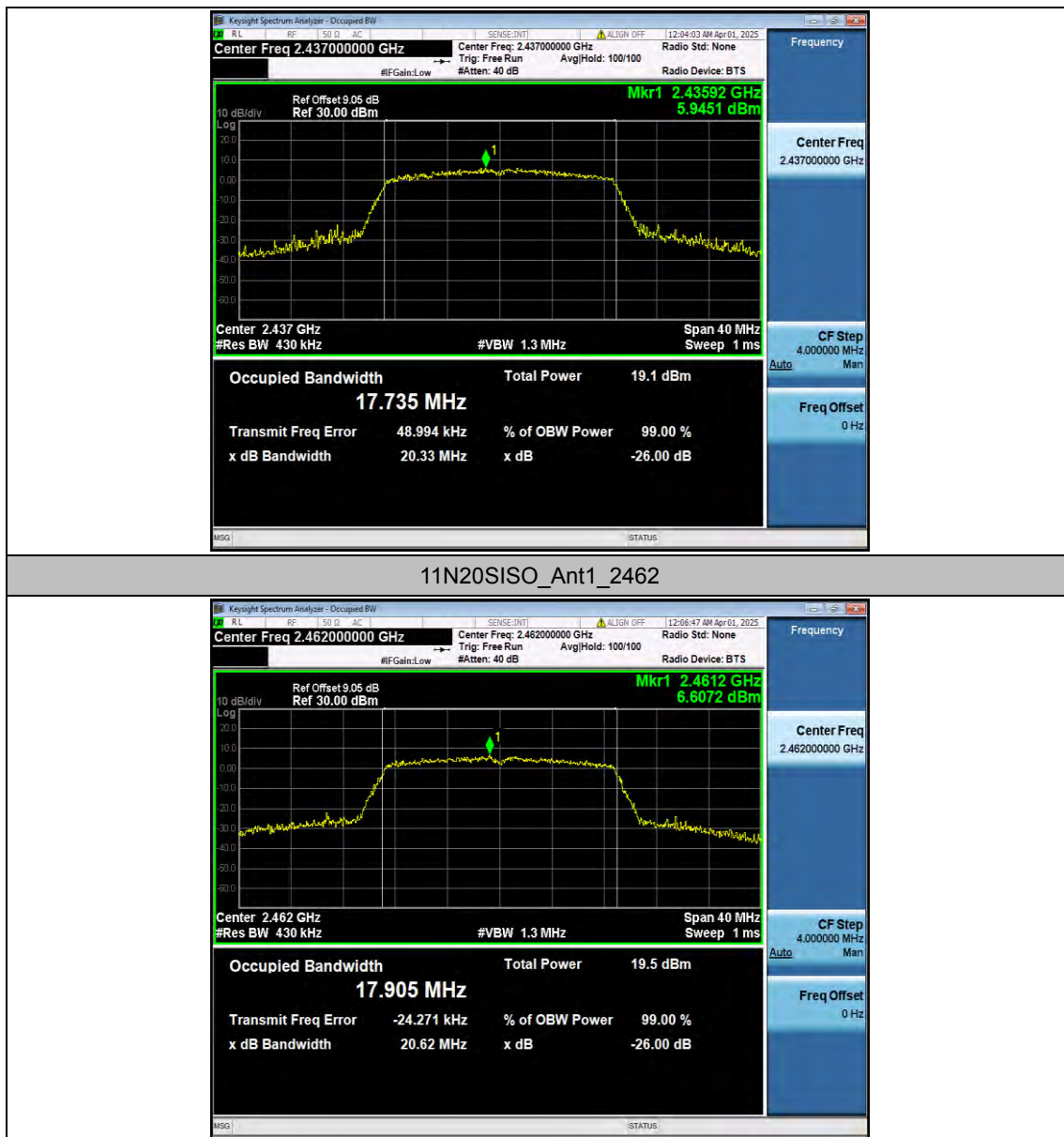
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



Appendix C.3: Maximum conducted output power

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.56	≤30.00	PASS
		2437	18.43	≤30.00	PASS
		2462	14.11	≤30.00	PASS
11G	Ant1	2412	20.56	≤30.00	PASS
		2437	21.40	≤30.00	PASS
		2462	21.64	≤30.00	PASS
11N20SISO	Ant1	2412	19.35	≤30.00	PASS
		2437	20.30	≤30.00	PASS
		2462	20.73	≤30.00	PASS

Appendix C.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.84	≤8.00	PASS
		2437	-6.09	≤8.00	PASS
		2462	-11.61	≤8.00	PASS
11G	Ant1	2412	-10.79	≤8.00	PASS
		2437	-10.52	≤8.00	PASS
		2462	-10.83	≤8.00	PASS
11N20SISO	Ant1	2412	-13.58	≤8.00	PASS
		2437	-11.41	≤8.00	PASS
		2462	-11.65	≤8.00	PASS

Test Graphs

11B_Ant1_2412



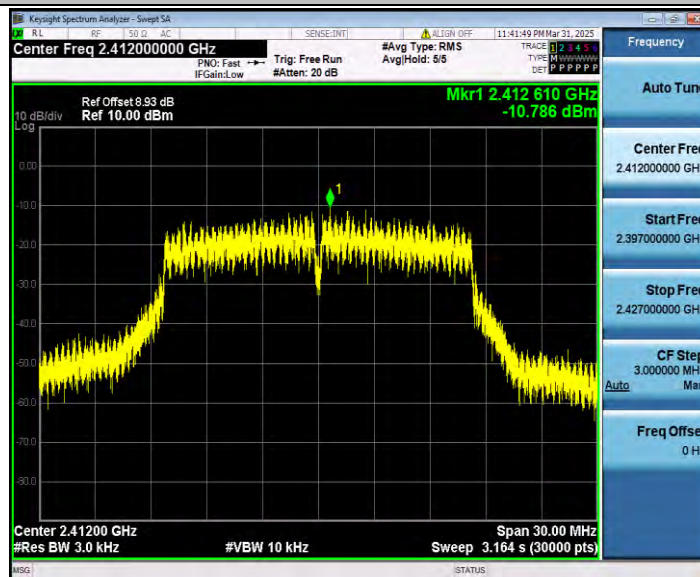
11B_Ant1_2437



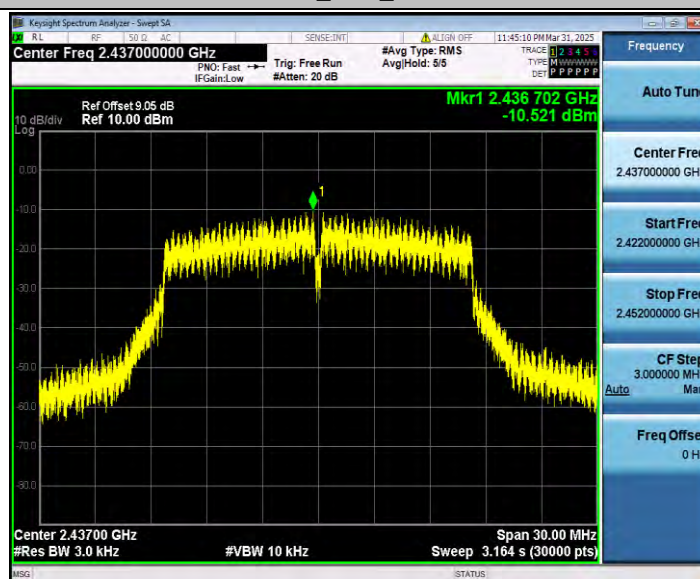
11B_Ant1_2462



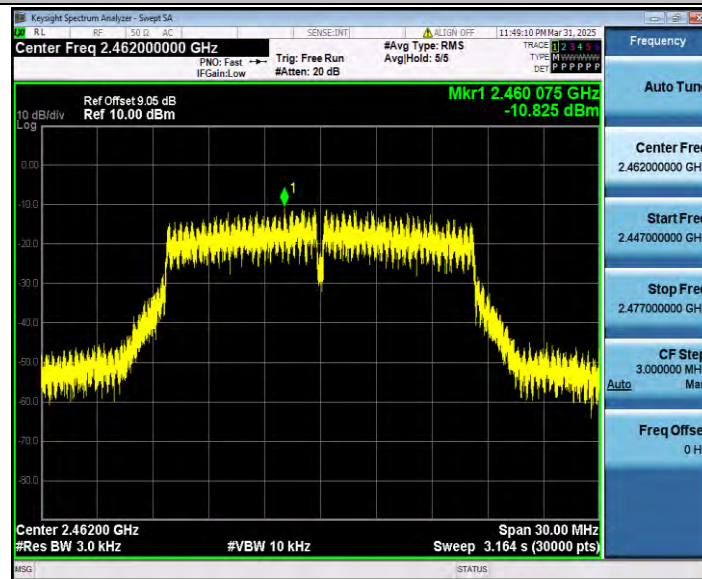
11G_Ant1_2412



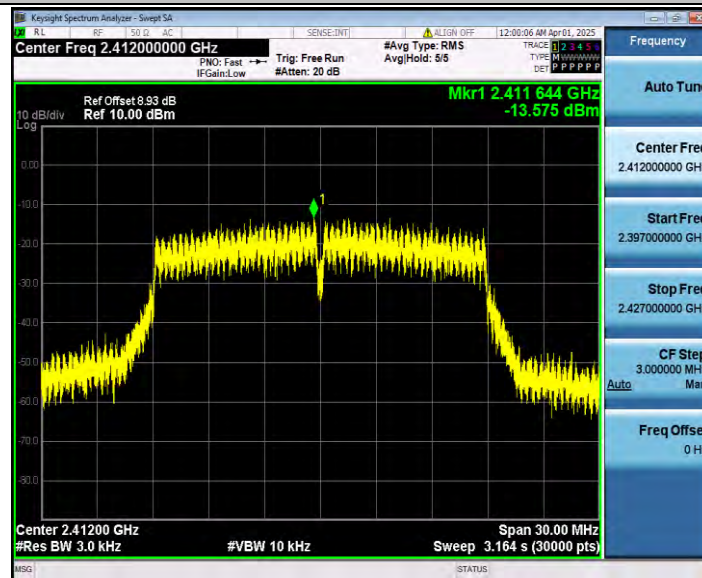
11G_Ant1_2437



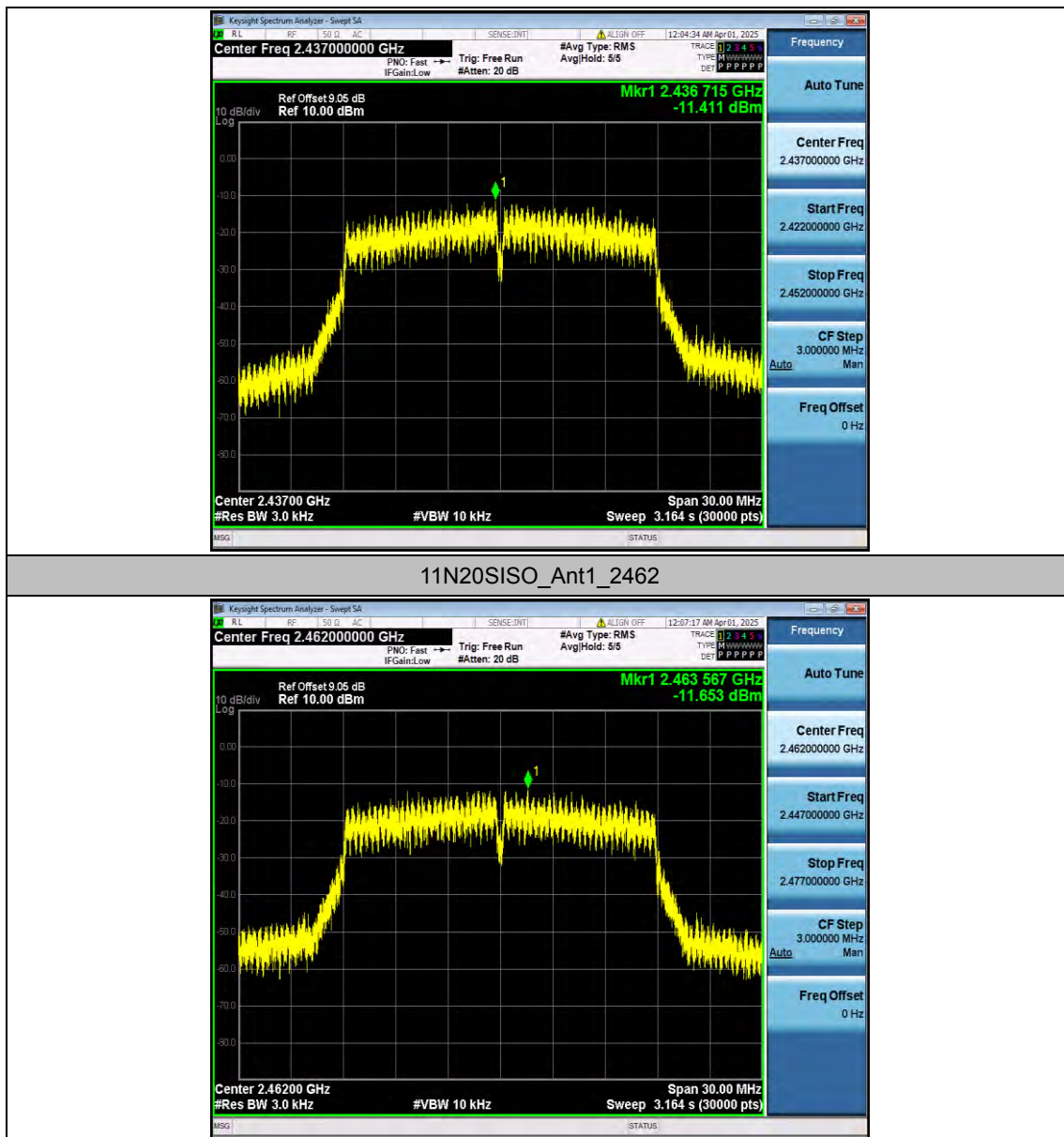
11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



Appendix C.5: Band edge measurements

Test Result

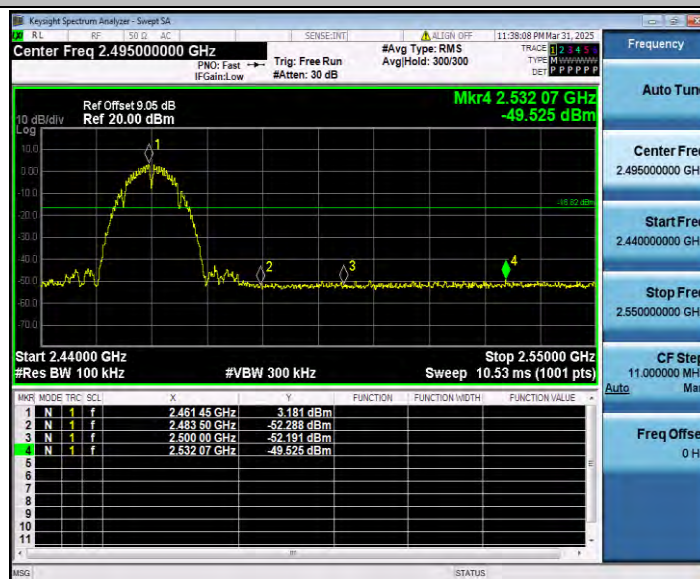
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	6.36	-34.09	≤ -13.64	PASS
		High	2462	3.18	-49.53	≤ -16.82	PASS
11G	Ant1	Low	2412	-0.01	-28.12	≤ -20.01	PASS
		High	2462	1.45	-46.41	≤ -18.56	PASS
11N20SISO	Ant1	Low	2412	-1.40	-27.61	≤ -21.4	PASS
		High	2462	0.02	-46.4	≤ -19.98	PASS

Test Graphs

11B_Ant1_Low_2412



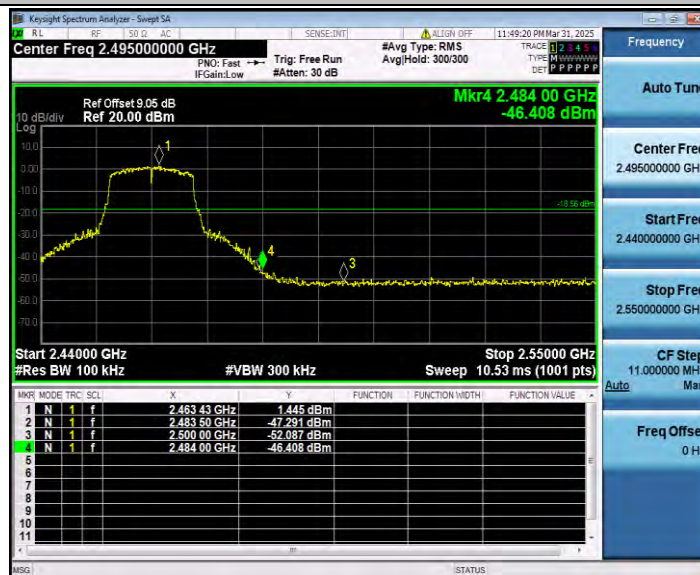
11B_Ant1_High_2462



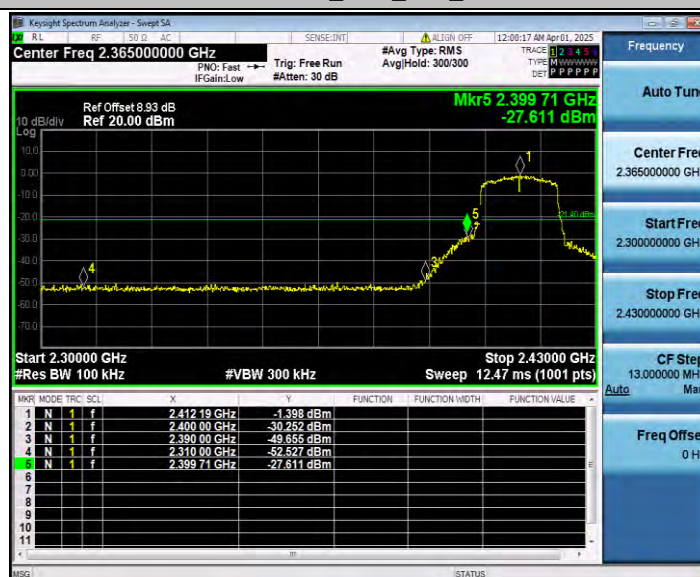
11G_Ant1_Low_2412

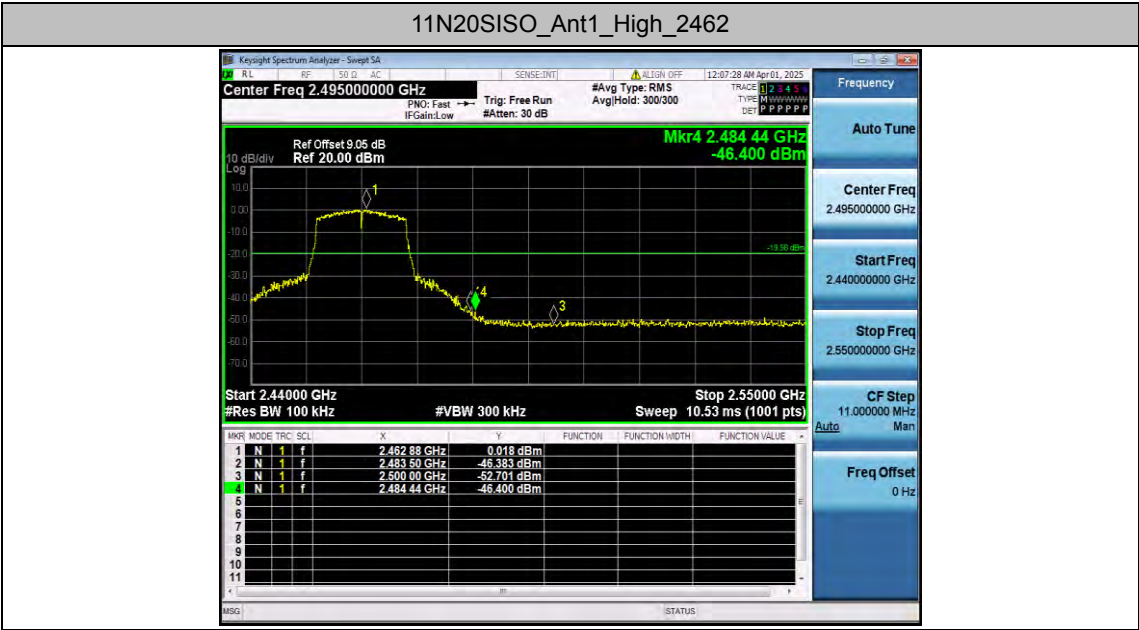


11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



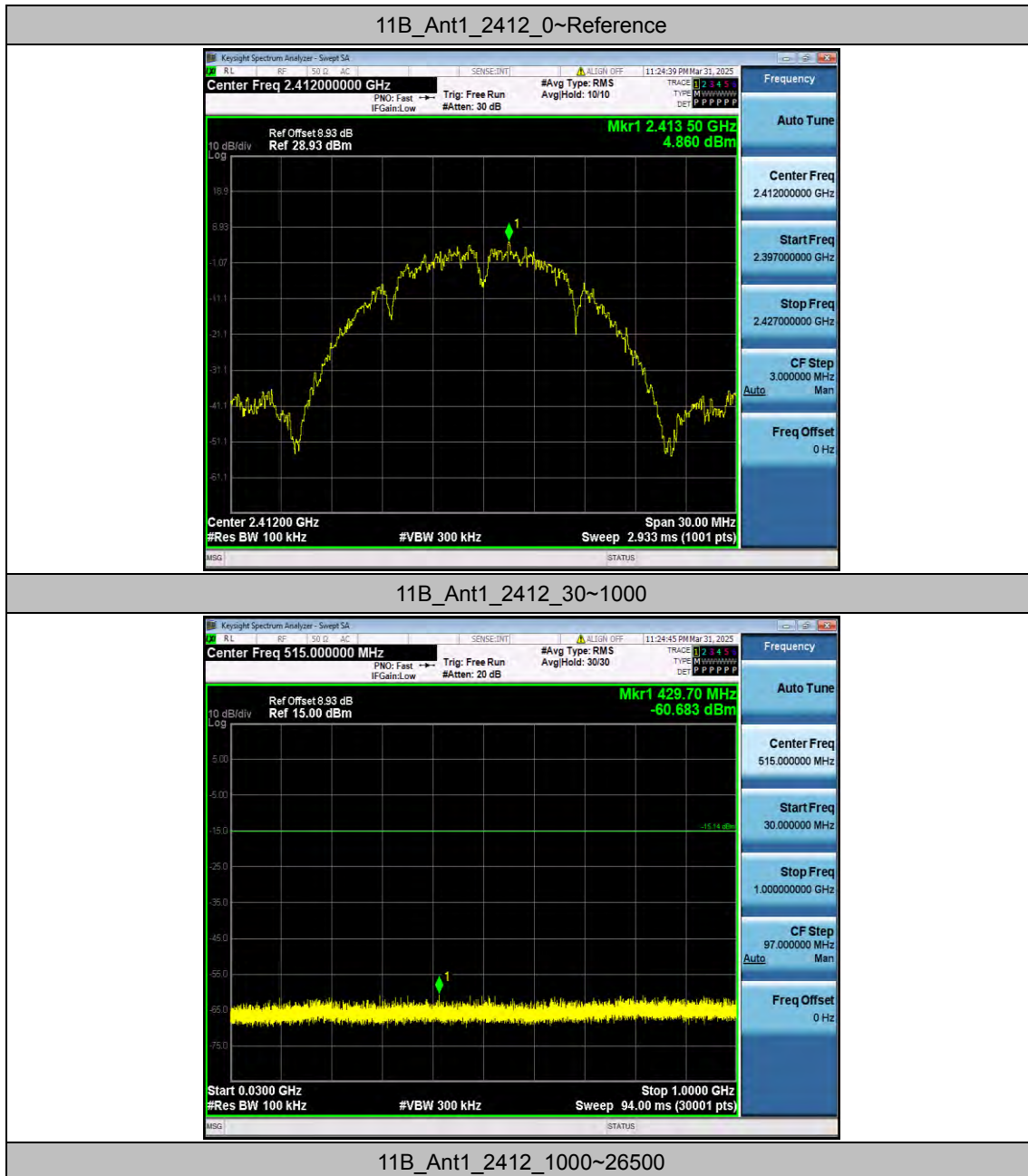


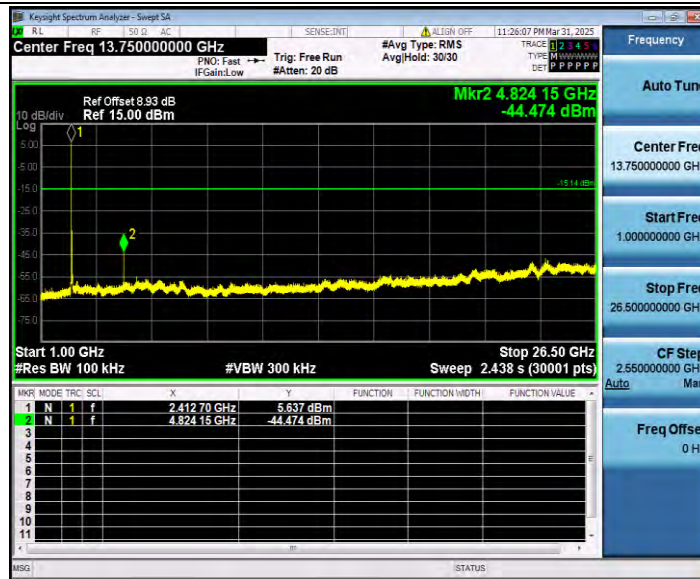
Appendix C.6: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	4.86	4.86	---	PASS
			30~1000	4.86	-60.68	≤ -15.14	PASS
			1000~26500	4.86	-44.47	≤ -15.14	PASS
		2437	Reference	5.91	5.91	---	PASS
			30~1000	5.91	-60.44	≤ -14.09	PASS
			1000~26500	5.91	-47.44	≤ -14.09	PASS
		2462	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-60.77	≤ -18.51	PASS
			1000~26500	1.49	-46.83	≤ -18.51	PASS
11G	Ant1	2412	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-60.06	≤ -20.7	PASS
			1000~26500	-0.70	-47.84	≤ -20.7	PASS
		2437	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-49.2	≤ -19.66	PASS
			1000~26500	0.34	-47.57	≤ -19.66	PASS
		2462	Reference	0.67	0.67	---	PASS
			30~1000	0.67	-60	≤ -19.33	PASS
			1000~26500	0.67	-47.51	≤ -19.33	PASS
11N20SISO	Ant1	2412	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-60.42	≤ -22.15	PASS
			1000~26500	-2.15	-47.93	≤ -22.15	PASS
		2437	Reference	-0.57	-0.57	---	PASS
			30~1000	-0.57	-59.75	≤ -20.57	PASS
			1000~26500	-0.57	-48.19	≤ -20.57	PASS
		2462	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-59.8	≤ -20.61	PASS
			1000~26500	-0.61	-47.39	≤ -20.61	PASS

Test Graphs

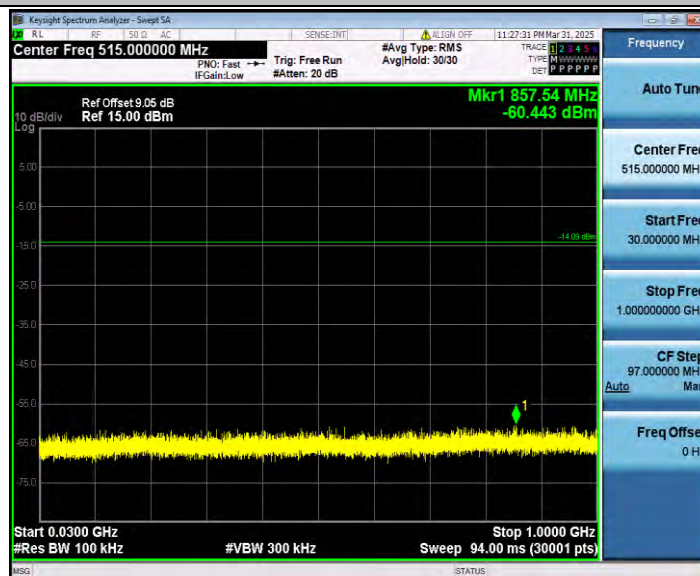




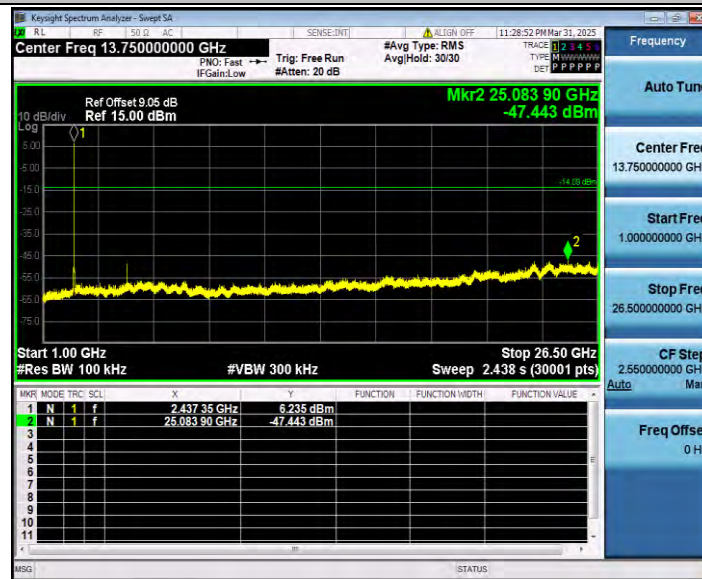
11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



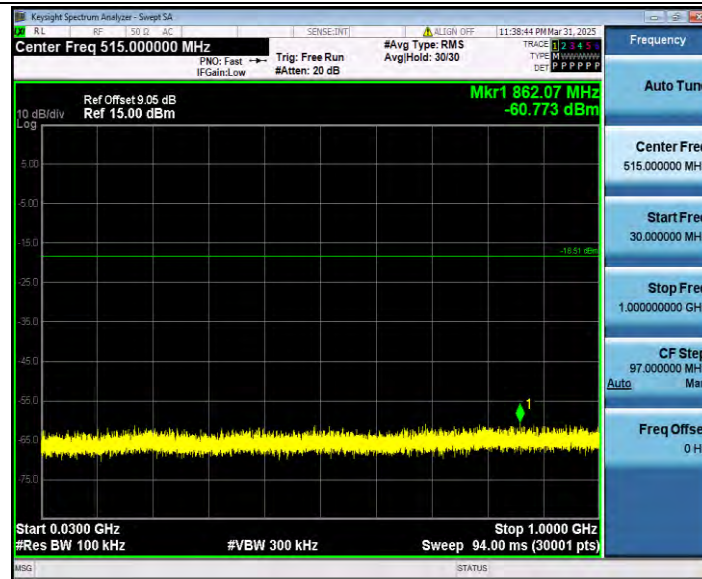
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



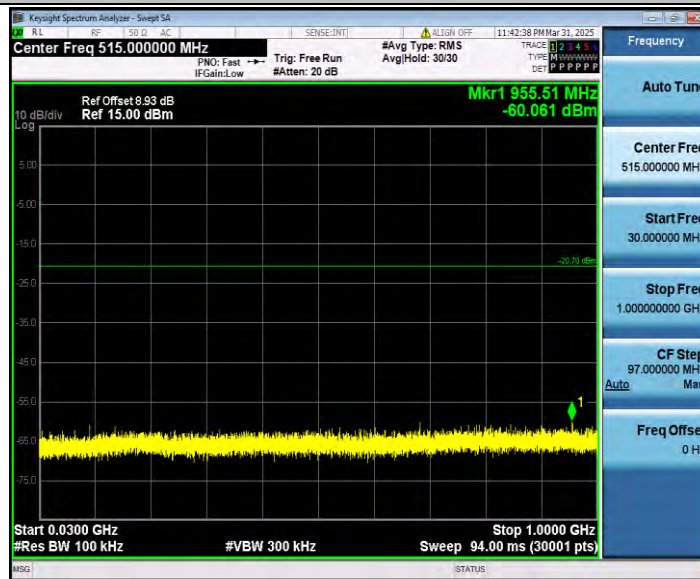
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



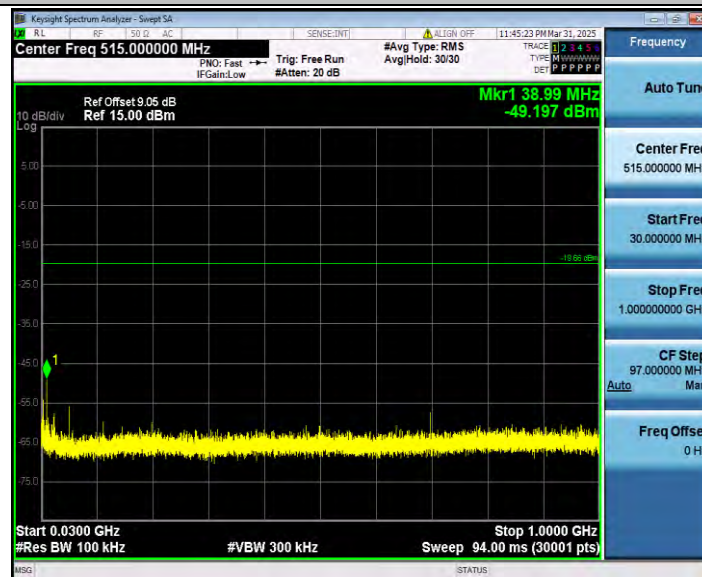
11G_Ant1_2412_1000~26500



11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



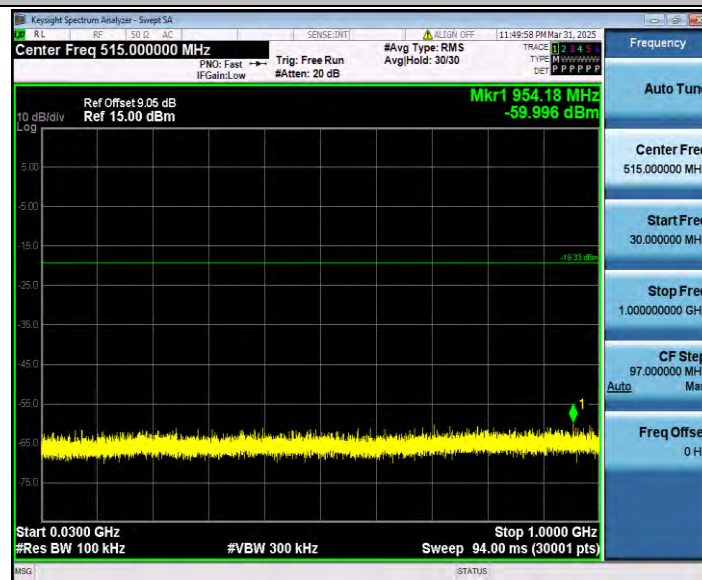
11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



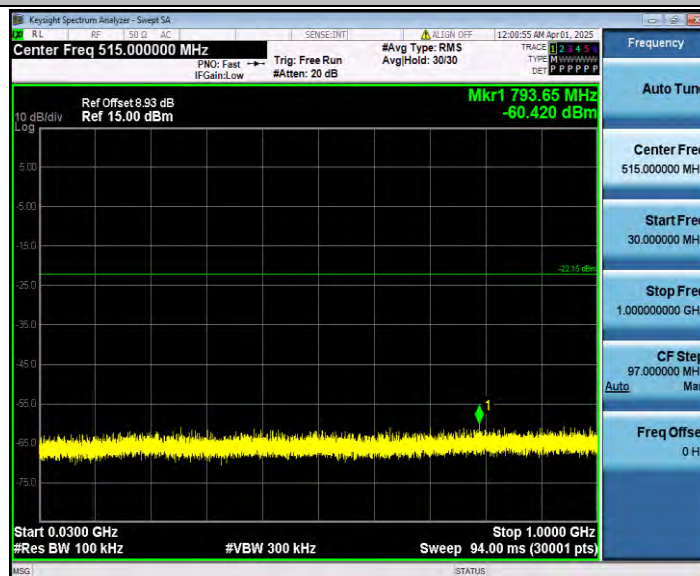
11G_Ant1_2462_1000~26500



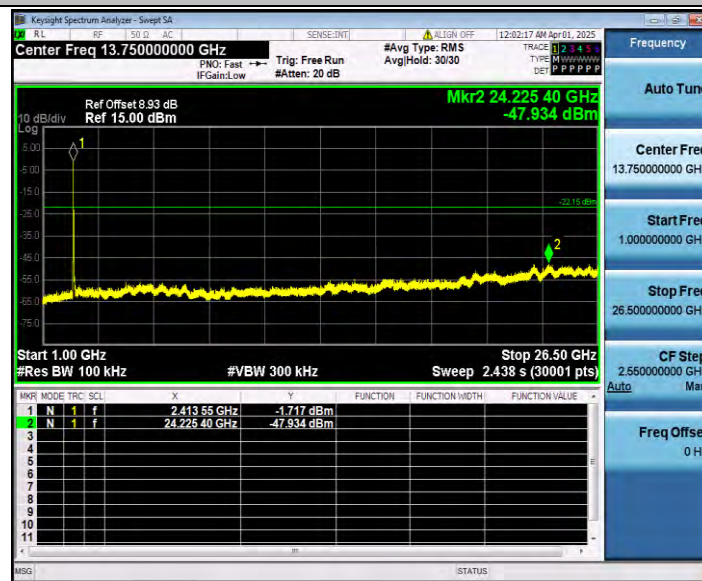
11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



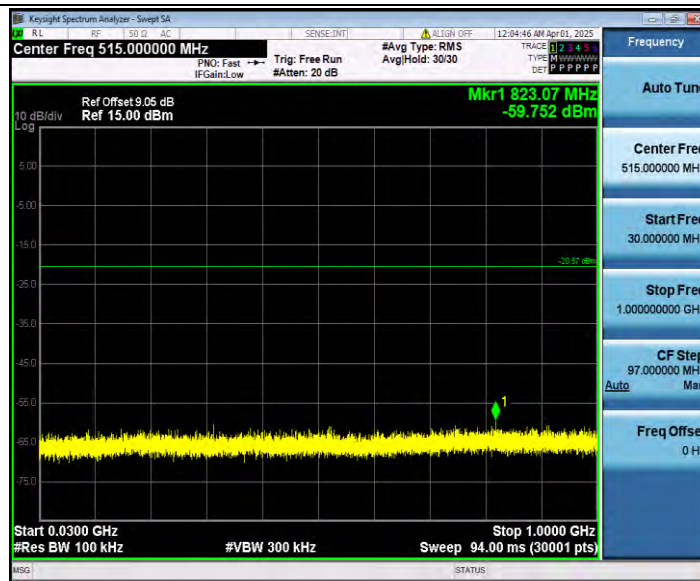
11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000

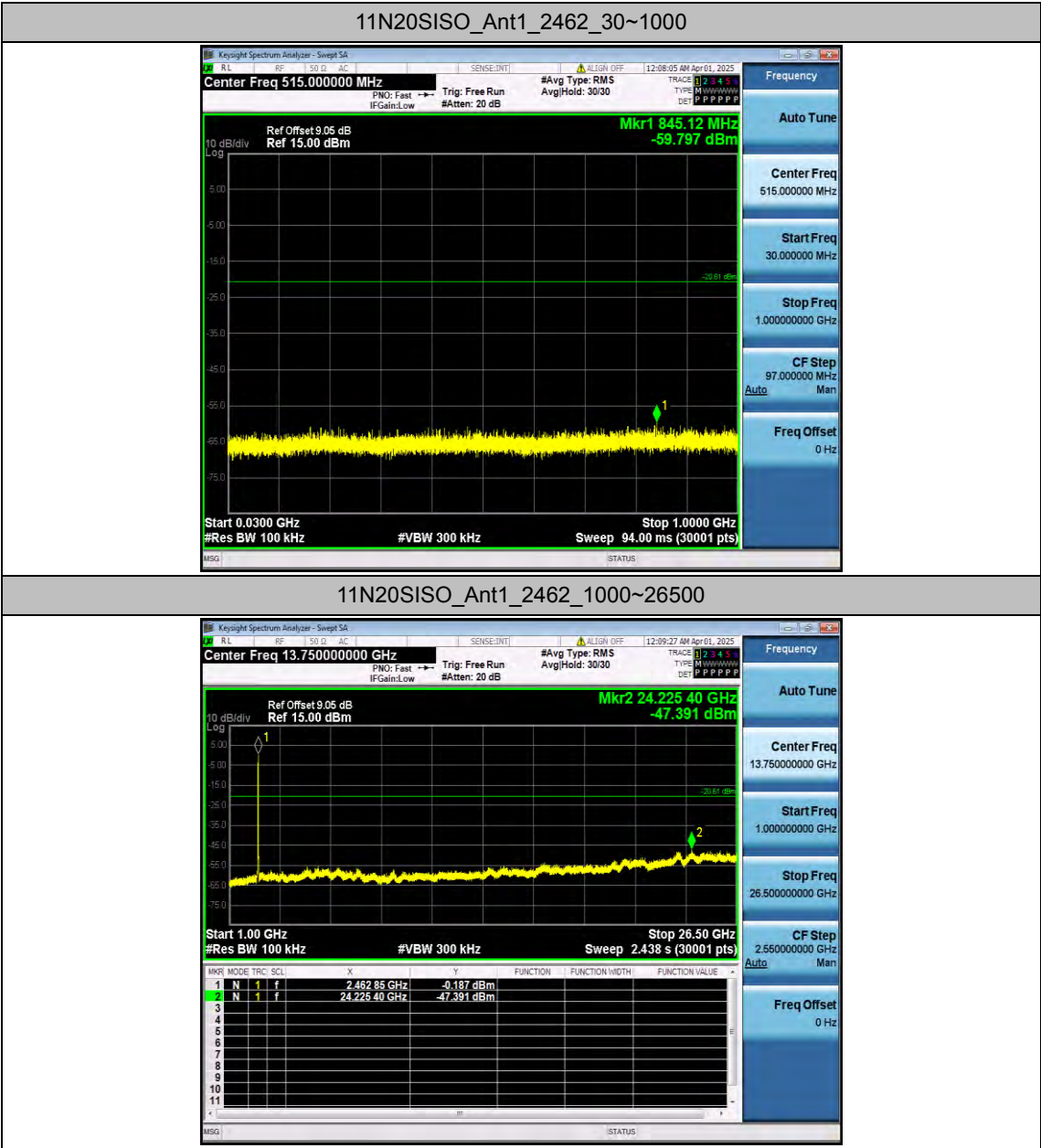


11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference





Appendix C.7: Emissions in Restricted Bands

Test Result

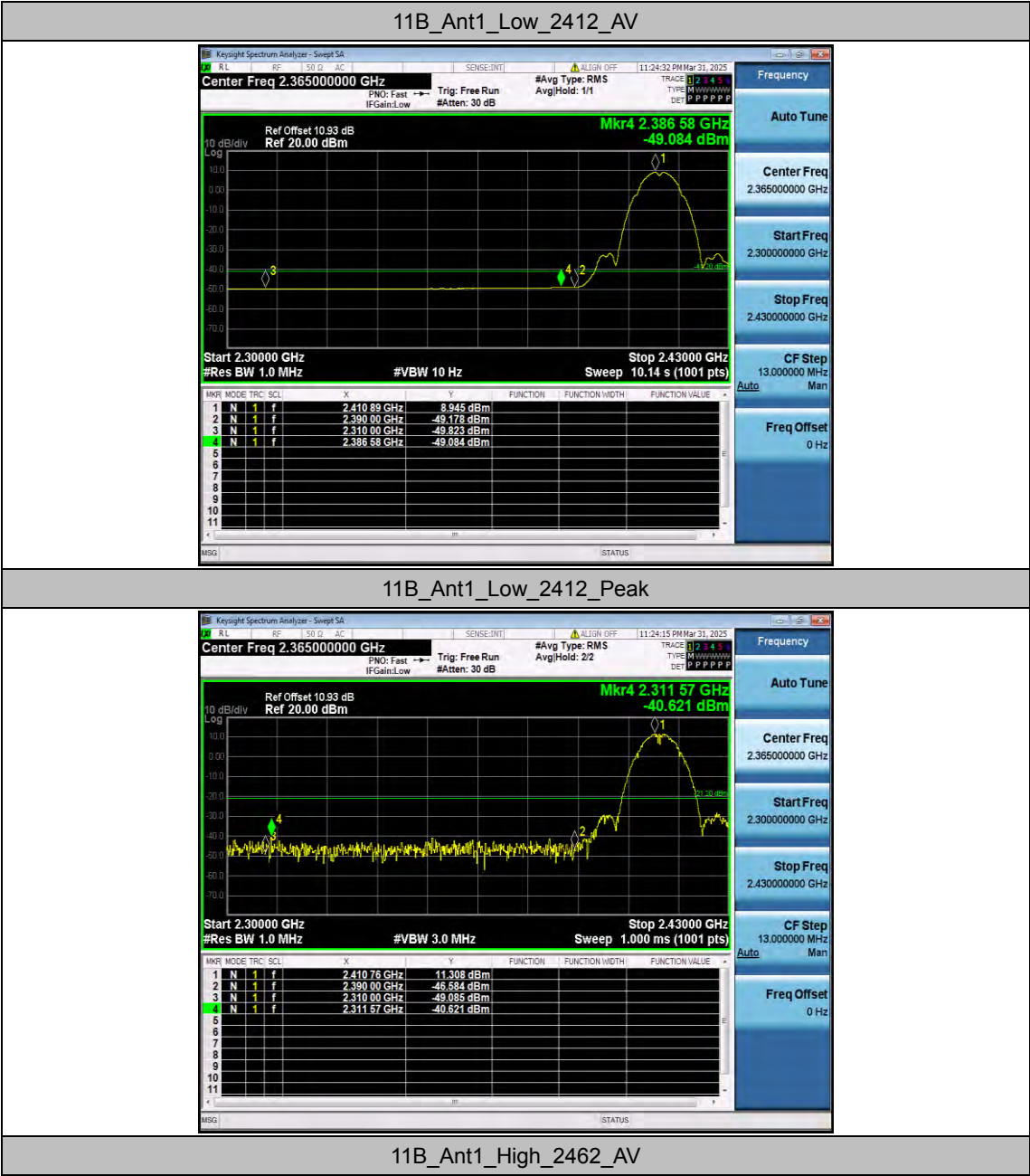
TestMode	Antenna	ChName	Frequenc y[MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.82	≤-41.20	45.38	≤54	PASS
				AV	2386.580	-49.08	≤-41.20	46.12	≤54	PASS
				AV	2390.000	-49.18	≤-41.20	46.02	≤54	PASS
				Peak	2310.000	-49.09	≤-21.20	46.11	≤74	PASS
				Peak	2311.570	-40.62	≤-21.20	54.58	≤74	PASS
				Peak	2390.000	-46.58	≤-21.20	48.62	≤74	PASS
		High	2462	AV	2483.500	-49.08	≤-41.20	46.12	≤54	PASS
				AV	2499.070	-49.1	≤-41.20	46.10	≤54	PASS
				AV	2500.000	-49.12	≤-41.20	46.08	≤54	PASS
				Peak	2483.500	-48.18	≤-21.20	47.02	≤74	PASS
				Peak	2495.880	-41.03	≤-21.20	54.17	≤74	PASS
				Peak	2500.000	-43.51	≤-21.20	51.69	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-49.83	≤-41.20	45.37	≤54	PASS
				AV	2389.960	-45.83	≤-41.20	49.37	≤54	PASS
				AV	2390.000	-45.83	≤-41.20	49.37	≤54	PASS
				Peak	2310.000	-44.87	≤-21.20	50.33	≤74	PASS
				Peak	2388.400	-40.94	≤-21.20	54.26	≤74	PASS
				Peak	2390.000	-44.76	≤-21.20	50.44	≤74	PASS
		High	2462	AV	2483.500	-43.59	≤-41.20	51.61	≤54	PASS
				AV	2483.560	-43.83	≤-41.20	51.37	≤54	PASS
				AV	2500.000	-49.1	≤-41.20	46.10	≤54	PASS
				Peak	2483.500	-37.75	≤-21.20	57.45	≤74	PASS
				Peak	2487.190	-36.02	≤-21.20	59.18	≤74	PASS
				Peak	2500.000	-45.92	≤-21.20	49.28	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.79	≤-41.20	45.41	≤54	PASS
				AV	2389.960	-46.22	≤-41.20	48.98	≤54	PASS
				AV	2390.000	-46.22	≤-41.20	48.98	≤54	PASS
				Peak	2310.000	-45.74	≤-21.20	49.46	≤74	PASS
				Peak	2329.120	-40.31	≤-21.20	54.89	≤74	PASS
				Peak	2390.000	-44.55	≤-21.20	50.65	≤74	PASS
		High	2462	AV	2483.500	-44.19	≤-41.20	51.01	≤54	PASS
				AV	2483.560	-44.37	≤-41.20	50.83	≤54	PASS
				AV	2500.000	-49.12	≤-41.20	46.08	≤54	PASS
				Peak	2483.500	-44.92	≤-21.20	50.28	≤74	PASS
				Peak	2485.320	-39.42	≤-21.20	55.78	≤74	PASS

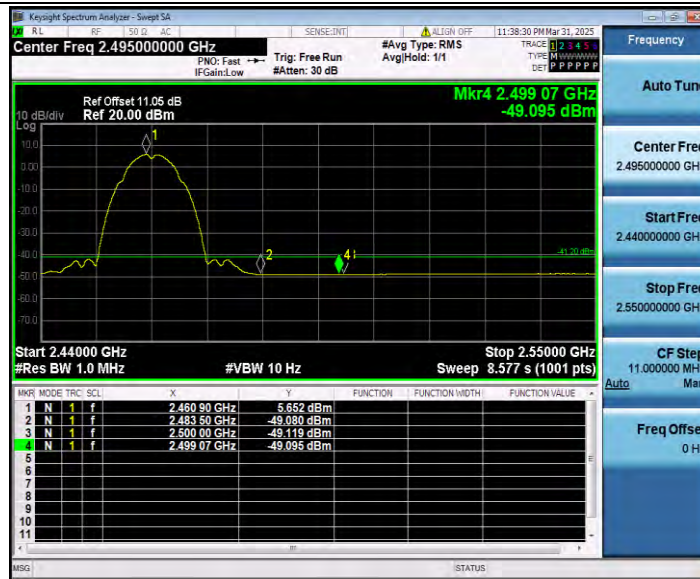
				Peak	2500.000	-47.14	≤ -21.20	48.06	≤ 74	PASS
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Note:

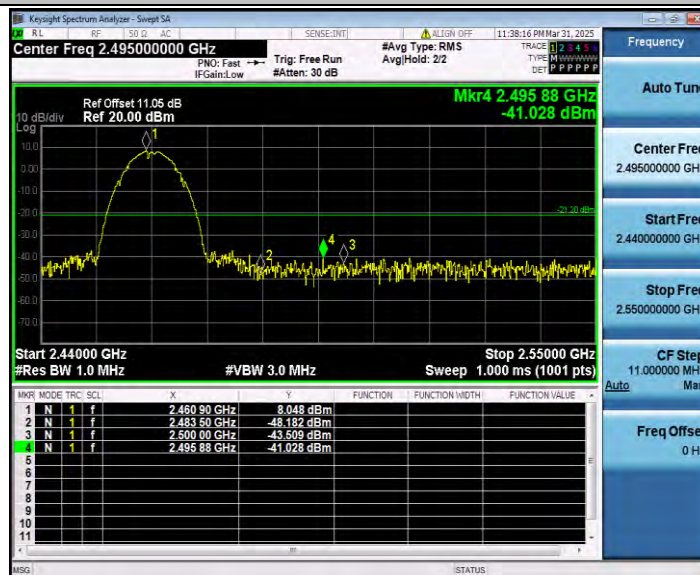
1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

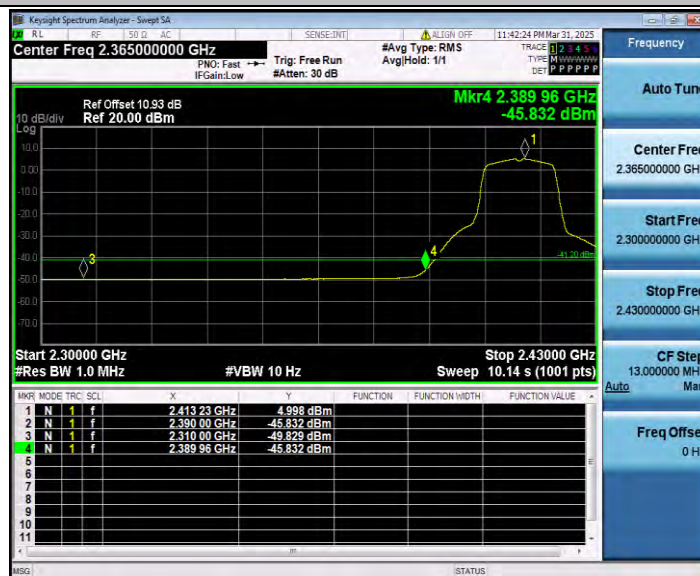




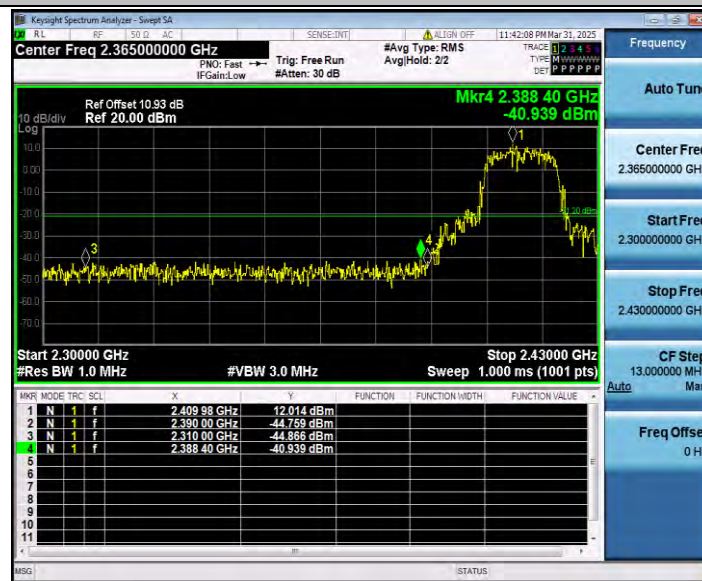
11B_Ant1_High_2462_Peak



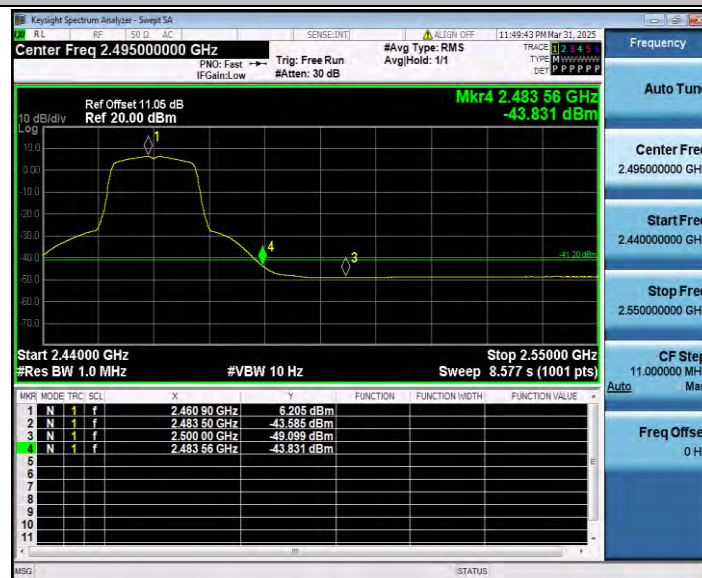
11G_Ant1_Low_2412_AV



11G_Ant1_Low_2412_Peak



11G_Ant1_High_2462_AV



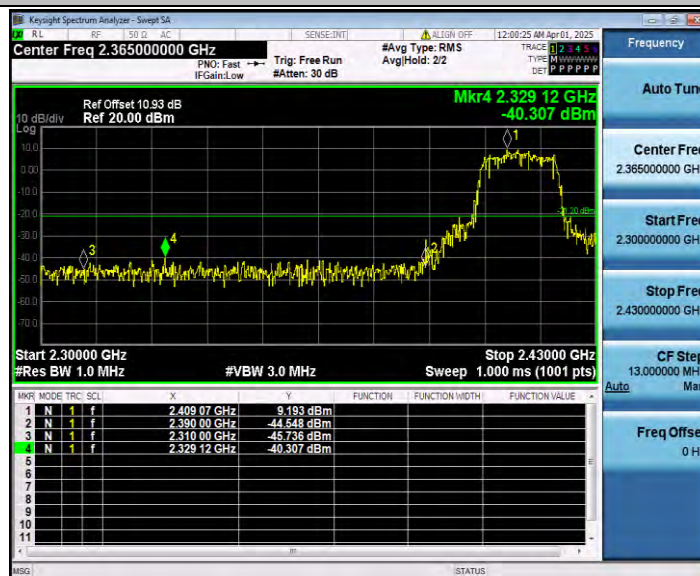
11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



11N20SISO_Ant1_Low_2412_Peak



11N20SISO_Ant1_High_2462_AV



11N20SISO_Ant1_High_2462_Peak

