

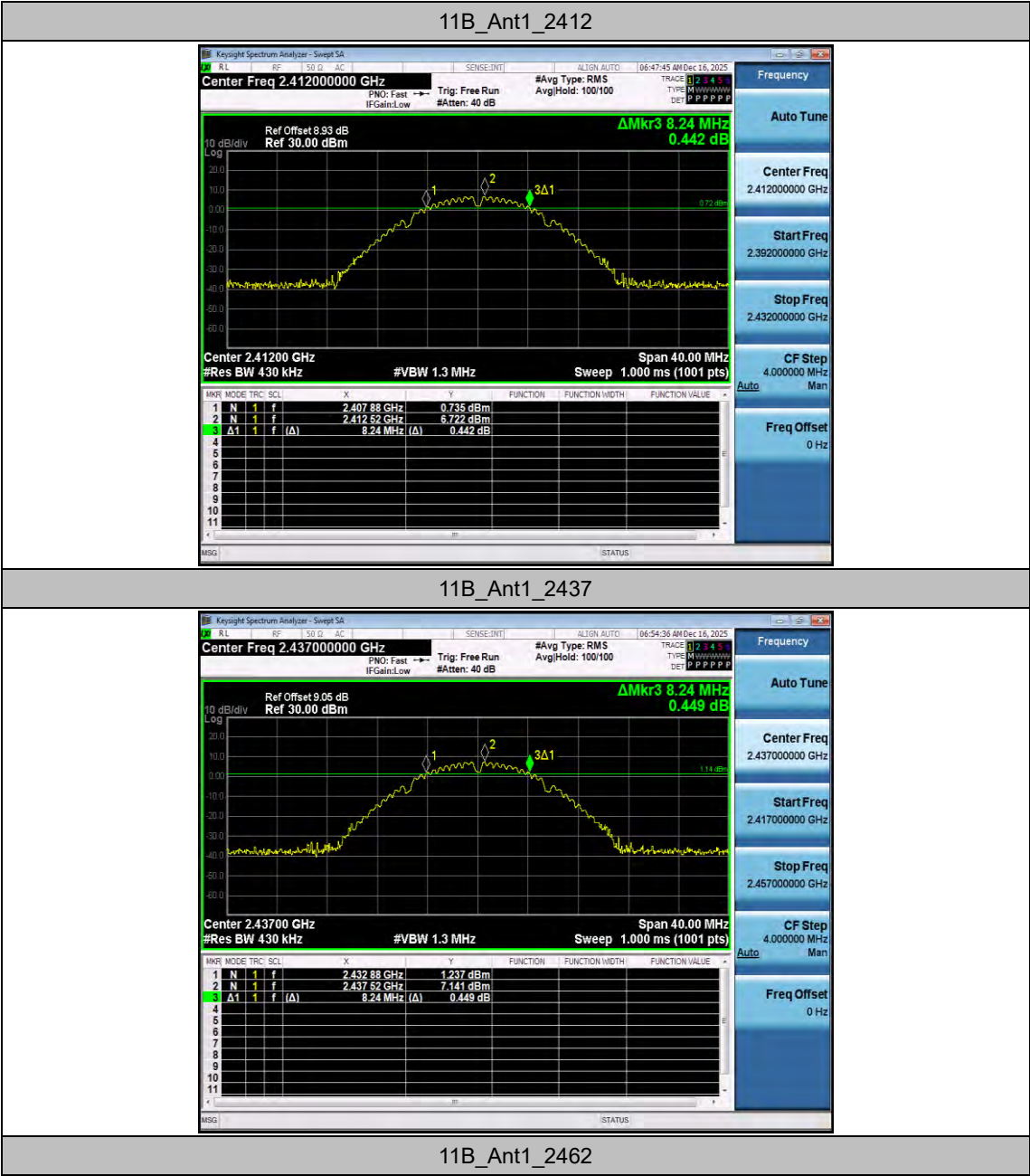
Case No. : <u>GTS20251128021-1-08</u>
Ambient Condition: <u>23℃,49%RH,</u>
Test Date: <u>2025.12.05-2025.12.25</u> Test Engineer: <u>Evan ouyang</u>

AppendixA.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.240	2407.880	2416.120	0.5	PASS
		2437	8.240	2432.880	2441.120	0.5	PASS
		2462	8.240	2457.880	2466.120	0.5	PASS
11G	Ant1	2412	15.280	2404.280	2419.560	0.5	PASS
		2437	14.560	2429.960	2444.520	0.5	PASS
		2462	15.000	2454.480	2469.480	0.5	PASS
11N20SISO	Ant1	2412	16.120	2404.240	2420.360	0.5	PASS
		2437	16.040	2429.160	2445.200	0.5	PASS
		2462	16.640	2453.720	2470.360	0.5	PASS
11N40SISO	Ant1	2422	35.200	2404.400	2439.600	0.5	PASS
		2437	35.200	2419.560	2454.760	0.5	PASS
		2452	34.800	2434.560	2469.360	0.5	PASS
11AX20SISO	Ant1	2412	16.800	2403.840	2420.640	0.5	PASS
		2437	16.480	2428.680	2445.160	0.5	PASS
		2462	17.000	2453.640	2470.640	0.5	PASS
11AX40SISO	Ant1	2422	28.000	2410.720	2438.720	0.5	PASS
		2437	32.800	2421.480	2454.280	0.5	PASS
		2452	29.680	2437.360	2467.040	0.5	PASS

Test Graphs



11B_Ant1_2437

Frequency

Auto Tune

Center Freq
2.437000000 GHzStart Freq
2.417000000 GHzStop Freq
2.457000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437







11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



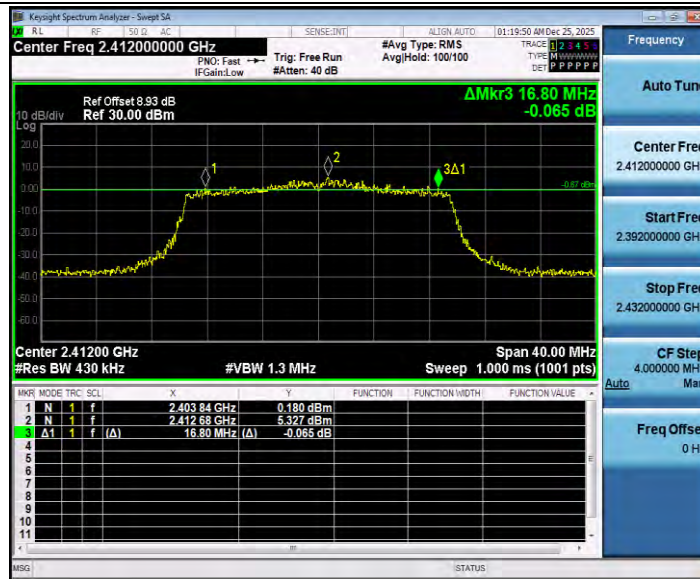
11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



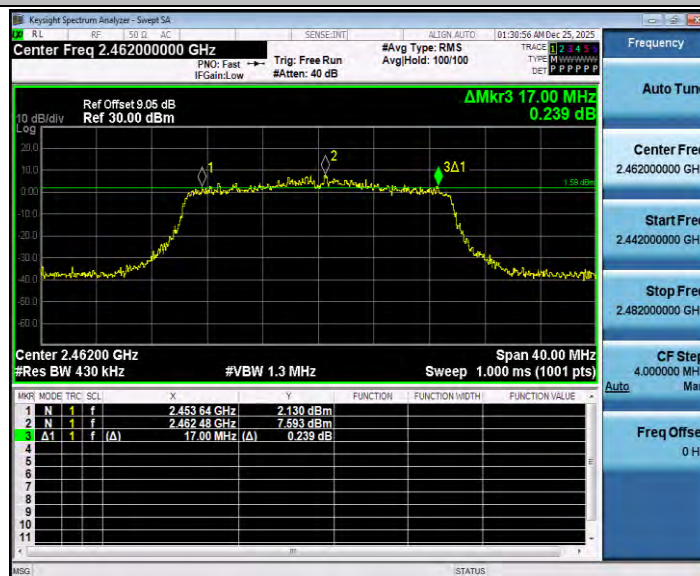
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11AX20SISO_Ant1_2437



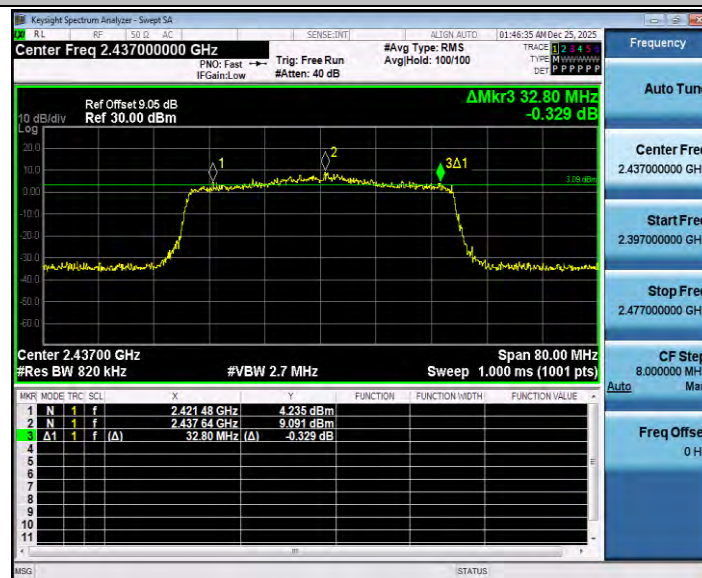
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11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

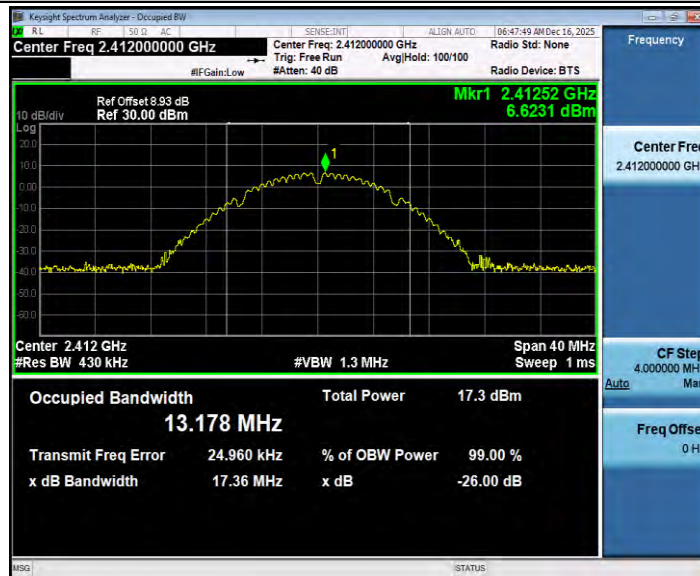
AppendixA.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.178	2405.4360	2418.6140	---	---
		2437	13.191	2430.4178	2443.6088	---	---
		2462	13.154	2455.4211	2468.5751	---	---
11G	Ant1	2412	16.354	2403.8450	2420.1990	---	---
		2437	16.355	2428.8387	2445.1937	---	---
		2462	16.335	2453.8432	2470.1782	---	---
11N20SISO	Ant1	2412	17.569	2403.2221	2420.7911	---	---
		2437	17.561	2428.2350	2445.7960	---	---
		2462	17.560	2453.2225	2470.7825	---	---
11N40SISO	Ant1	2422	35.878	2404.1126	2439.9906	---	---
		2437	35.900	2419.1212	2455.0212	---	---
		2452	35.876	2434.1064	2469.9824	---	---
11AX20SISO	Ant1	2412	18.891	2402.5825	2421.4735	---	---
		2437	18.825	2427.6079	2446.4329	---	---
		2462	18.862	2452.5545	2471.4165	---	---
11AX40SISO	Ant1	2422	37.505	2403.2986	2440.8036	---	---
		2437	37.492	2418.2872	2455.7792	---	---
		2452	37.448	2433.3305	2470.7785	---	---

Test Graphs

11B_Ant1_2412



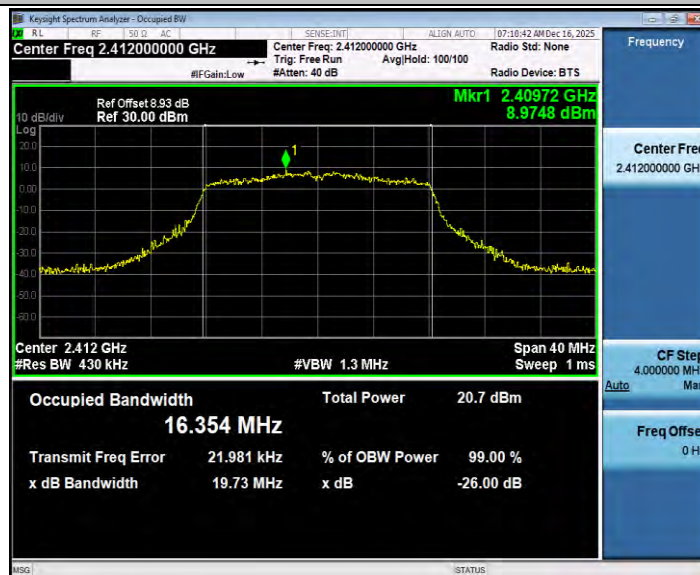
11B_Ant1_2437



11B_Ant1_2462



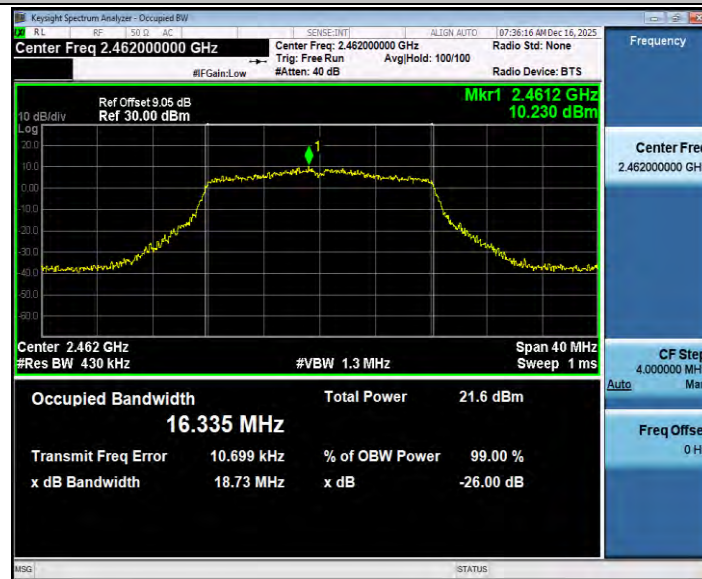
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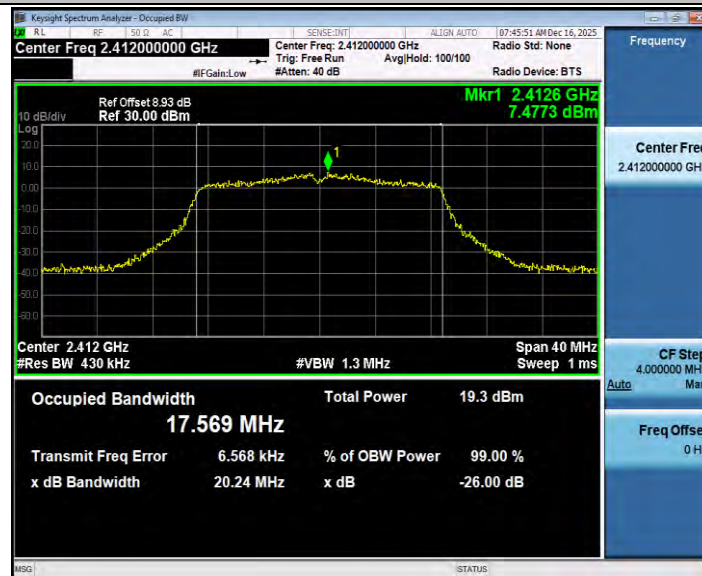
11G_Ant1_2437



11G_Ant1_2462



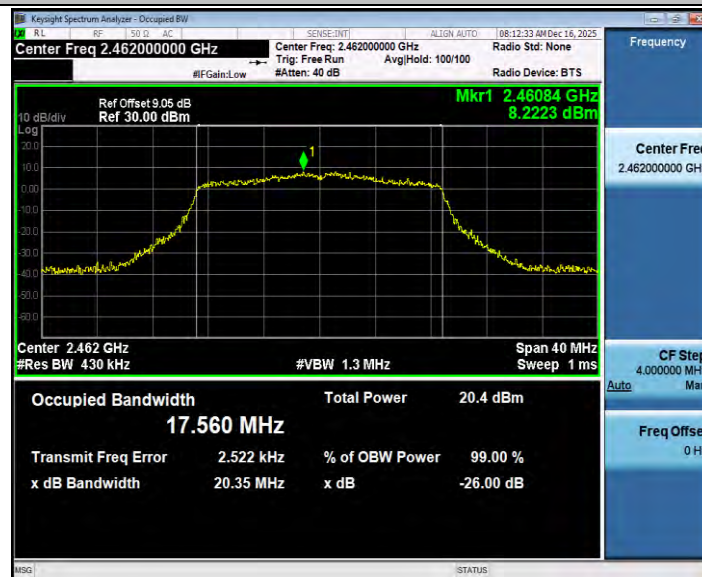
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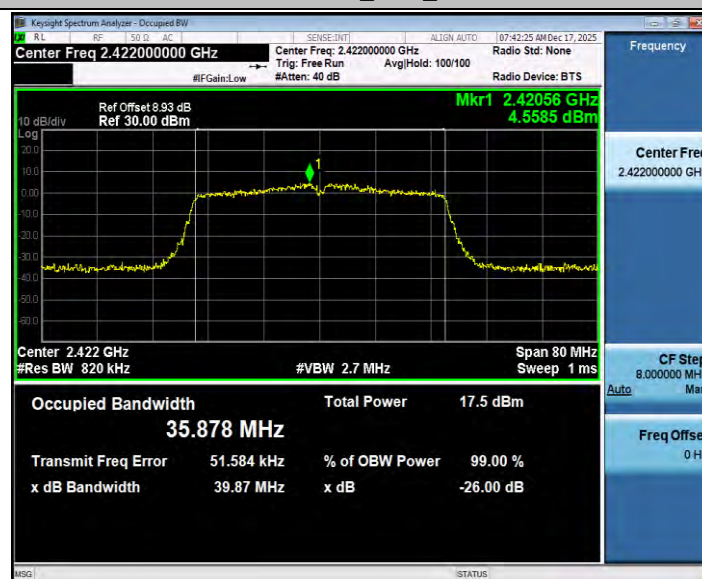
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11N20SISO_Ant1_2462



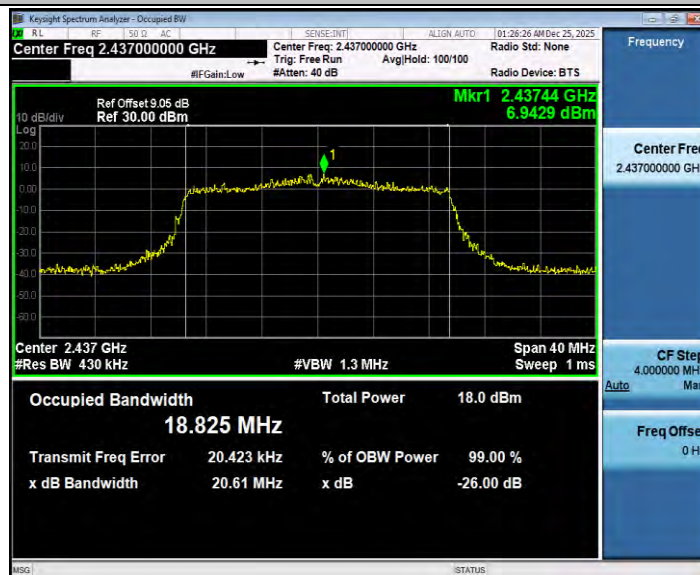
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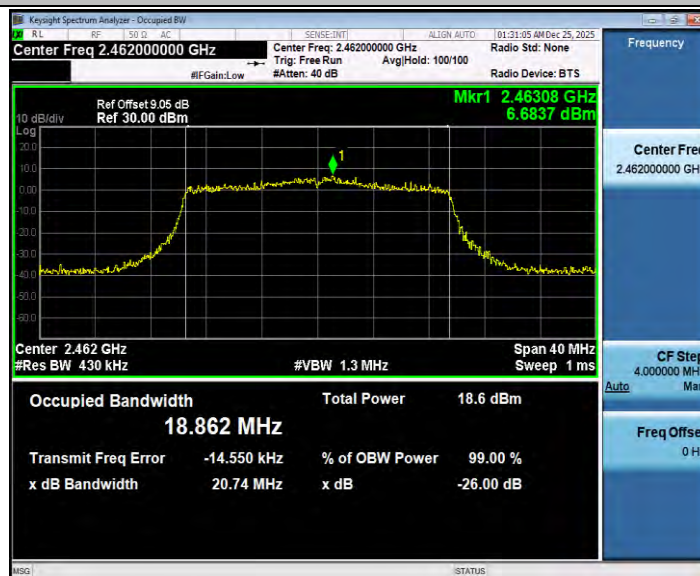




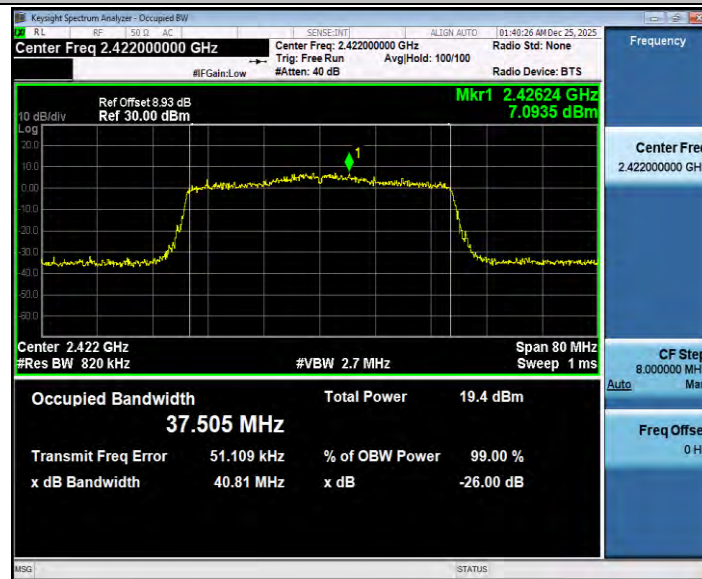
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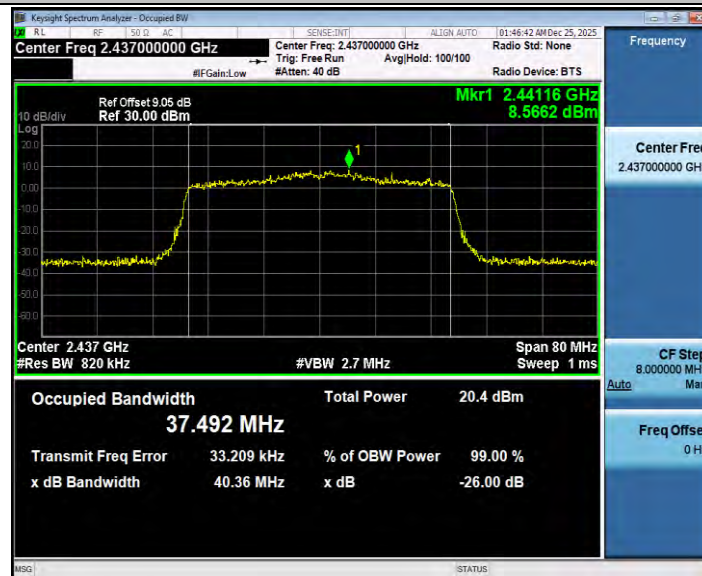
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



AppendixA.3: Maximum conducted output power

TestMode	Antenna	Frequency [MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	17.39	≤30.00	PASS
		2437	17.90	≤30.00	PASS
		2462	18.36	≤30.00	PASS
11G	Ant1	2412	21.60	≤30.00	PASS
		2437	22.03	≤30.00	PASS
		2462	22.61	≤30.00	PASS
11N20SISO	Ant1	2412	20.32	≤30.00	PASS
		2437	20.87	≤30.00	PASS
		2462	21.30	≤30.00	PASS
11N40SISO	Ant1	2422	17.74	≤30.00	PASS
		2437	21.32	≤30.00	PASS
		2452	21.50	≤30.00	PASS
11AX20SISO	Ant1	2412	17.02	≤30.00	PASS
		2437	18.53	≤30.00	PASS
		2462	19.32	≤30.00	PASS
11AX40SISO	Ant1	2422	19.46	≤30.00	PASS
		2437	20.43	≤30.00	PASS
		2452	20.92	≤30.00	PASS

AppendixA.4: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-9.18	≤8.00	PASS
		2437	-7.52	≤8.00	PASS
		2462	-7.82	≤8.00	PASS
11G	Ant1	2412	-10.07	≤8.00	PASS
		2437	-9.48	≤8.00	PASS
		2462	-8.49	≤8.00	PASS
11N20SISO	Ant1	2412	-9.69	≤8.00	PASS
		2437	-8.88	≤8.00	PASS
		2462	-8.59	≤8.00	PASS
11N40SISO	Ant1	2422	-15.83	≤8.00	PASS
		2437	-10.87	≤8.00	PASS
		2452	-11.94	≤8.00	PASS
11AX20SISO	Ant1	2412	-14.37	≤8.00	PASS
		2437	-13.94	≤8.00	PASS
		2462	-12.81	≤8.00	PASS
11AX40SISO	Ant1	2422	-13.54	≤8.00	PASS
		2437	-13.39	≤8.00	PASS
		2452	-12.46	≤8.00	PASS

Test Graphs

11B_Ant1_2412



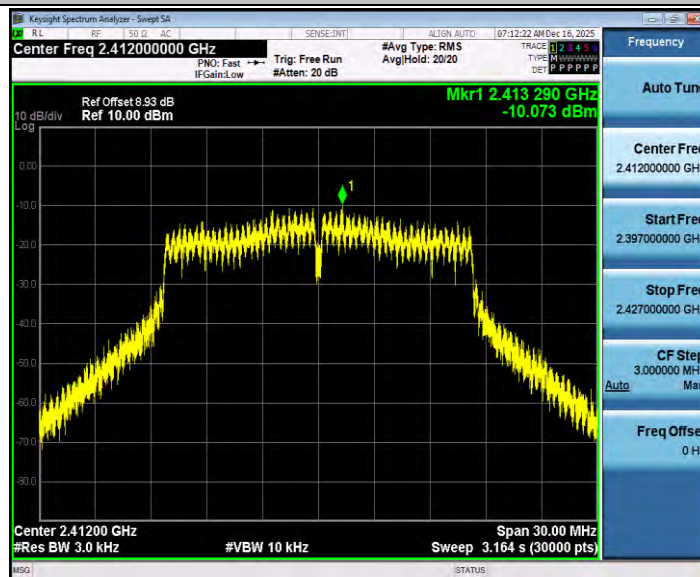
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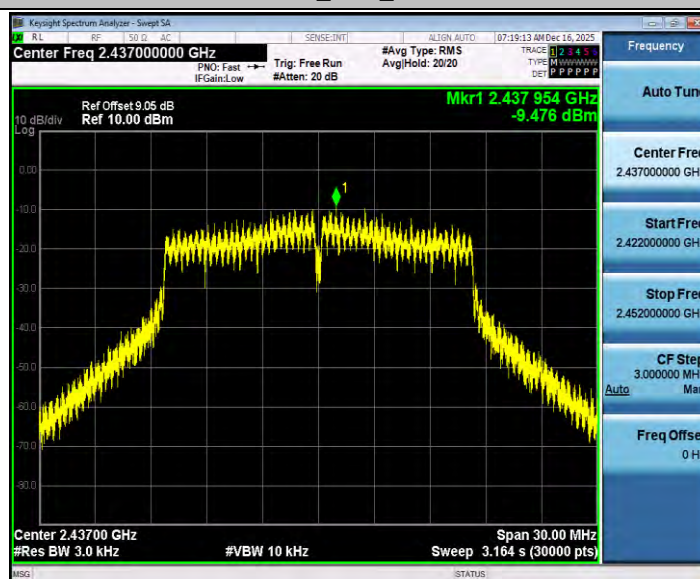
11B_Ant1_2462



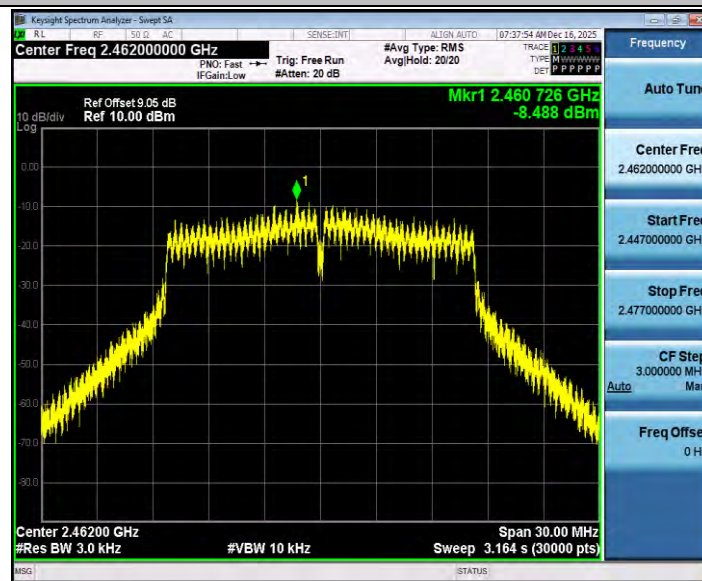
11G_Ant1_2412



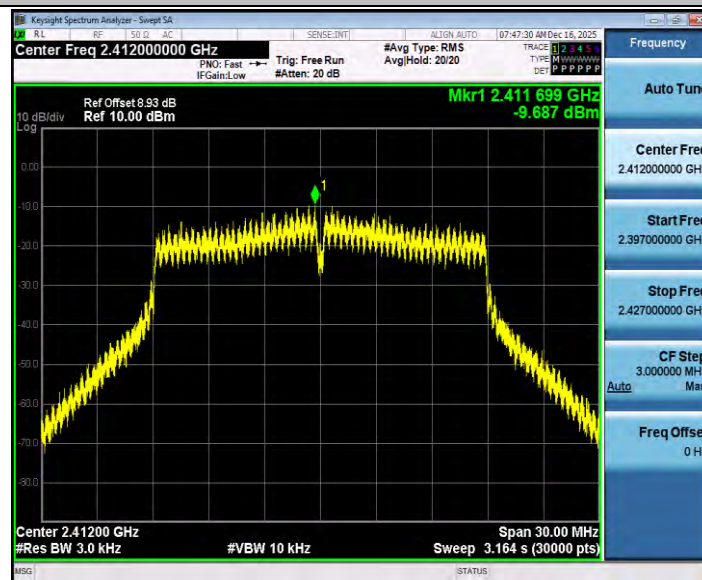
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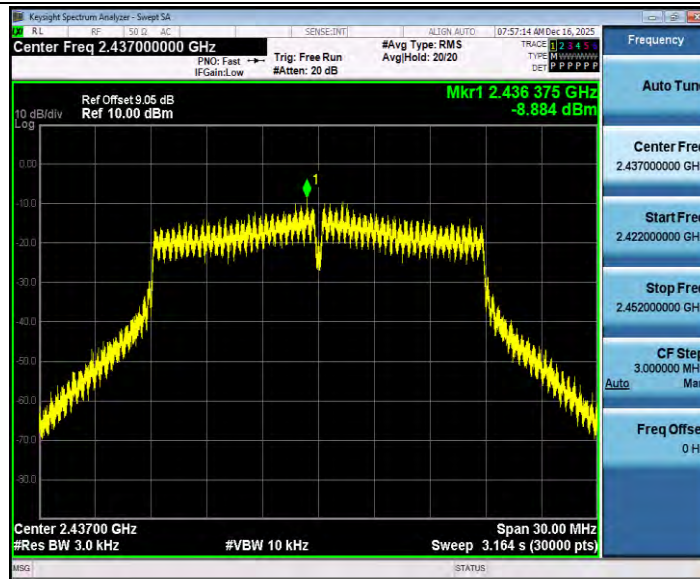
11G_Ant1_2462



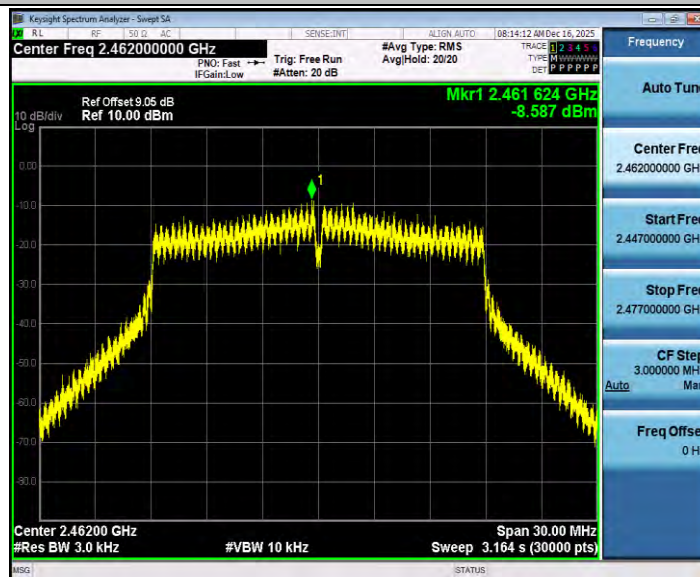
11N20SISO_Ant1_2412



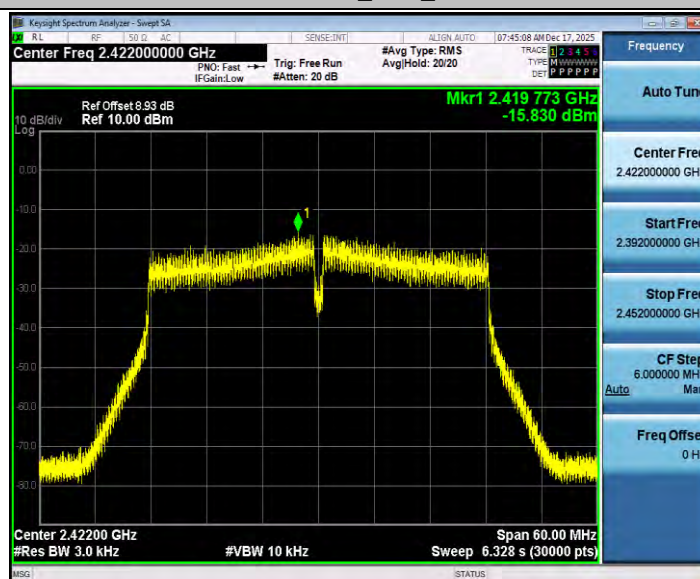
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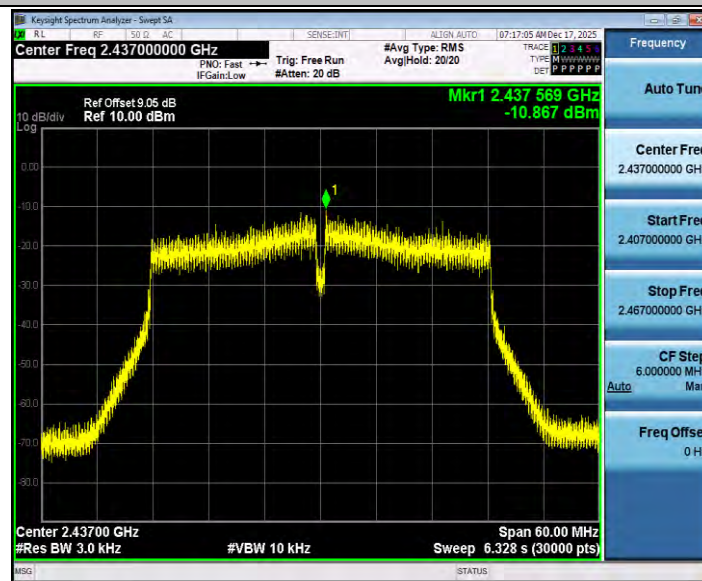
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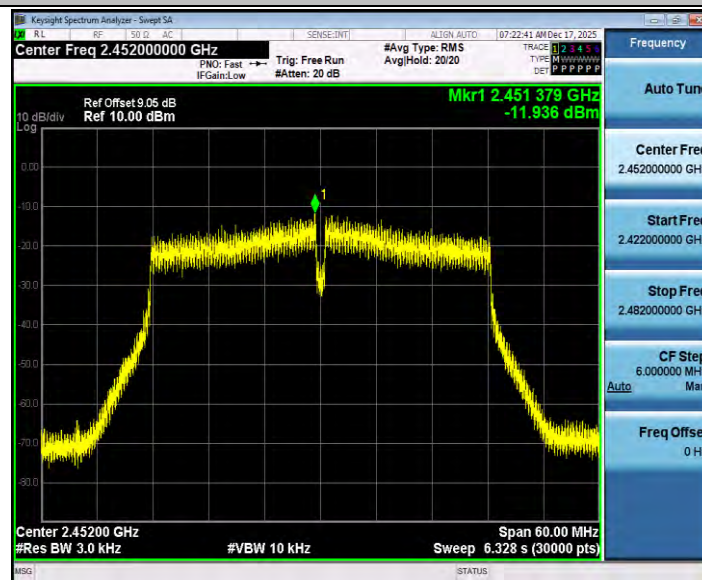
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



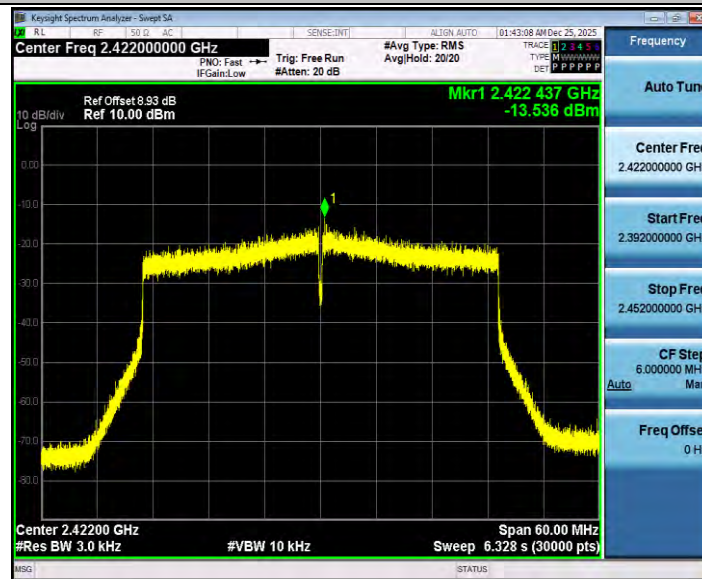
11AX20ISO_Ant1_2437



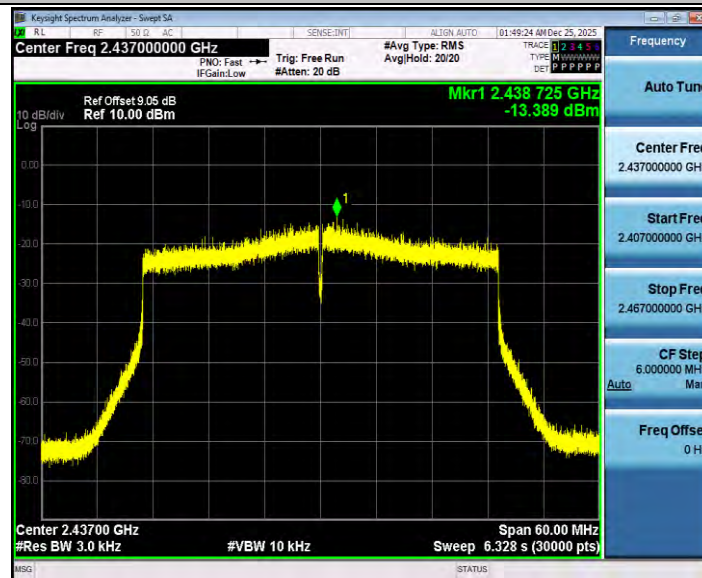
11AX20ISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

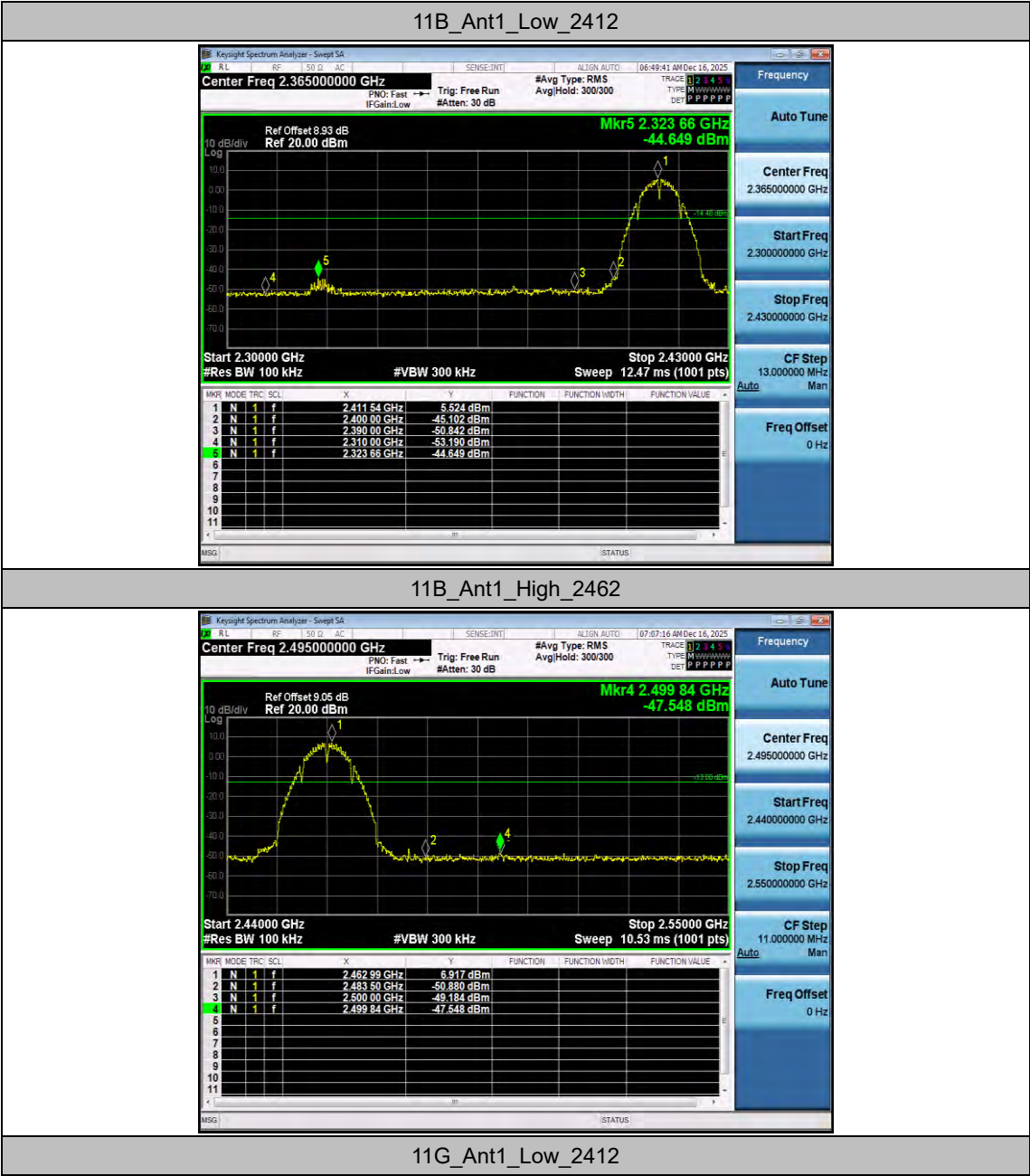


Appendix A.5: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	5.52	-44.65	≤ -14.48	PASS
		High	2462	6.92	-47.55	≤ -13.08	PASS
11G	Ant1	Low	2412	5.47	-33.98	≤ -14.53	PASS
		High	2462	6.56	-48.11	≤ -13.44	PASS
11N20SISO	Ant1	Low	2412	5.03	-34.05	≤ -14.97	PASS
		High	2462	5.05	-48.58	≤ -14.95	PASS
11N40SISO	Ant1	Low	2422	-2.68	-43.56	≤ -22.68	PASS
		High	2452	1.26	-48.24	≤ -18.74	PASS
11AX20SISO	Ant1	Low	2412	0.80	-37.99	≤ -19.2	PASS
		High	2462	1.24	-48.67	≤ -18.76	PASS
11AX40SISO	Ant1	Low	2422	-0.78	-41.46	≤ -20.78	PASS
		High	2452	0.82	-48.43	≤ -19.18	PASS

Test Graphs



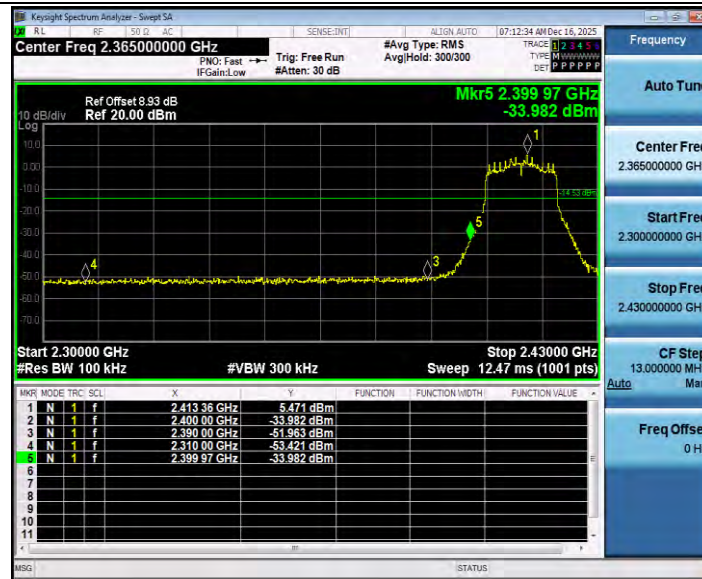
11B_Ant1_High_2462

Frequency

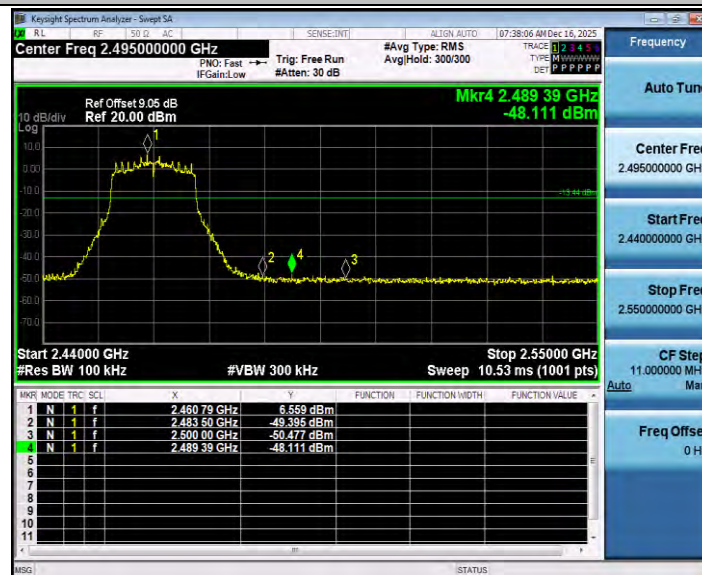
Auto Tune

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2.550000000 GHzCF Step
11.000000 MHz
Auto ManFreq Offset
0 Hz

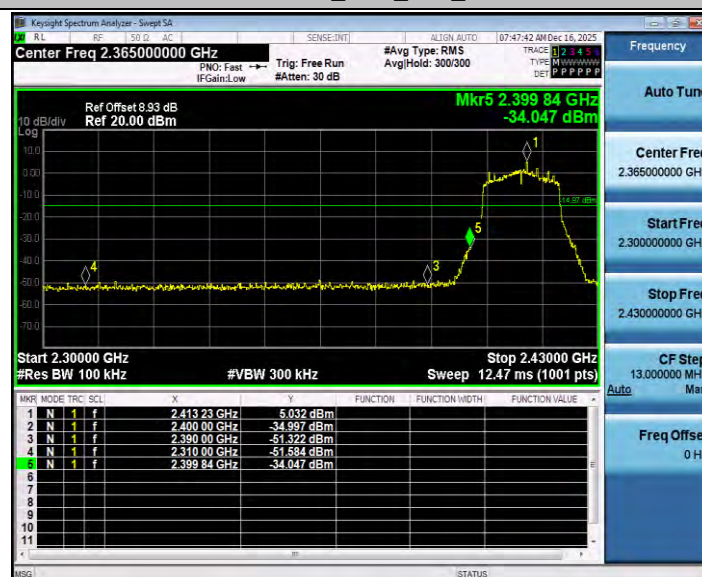
11G_Ant1_Low_2412



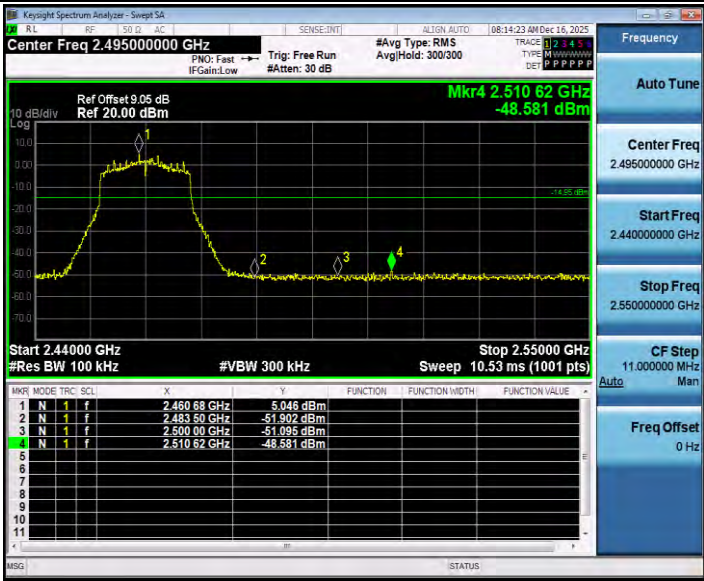
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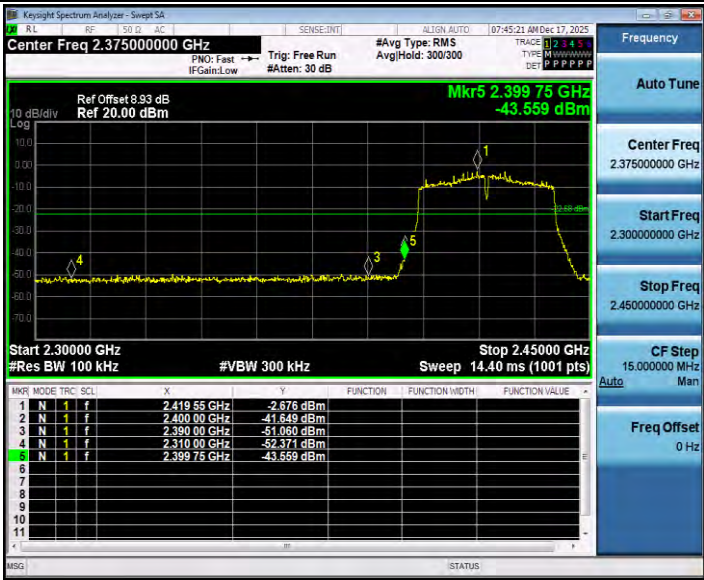
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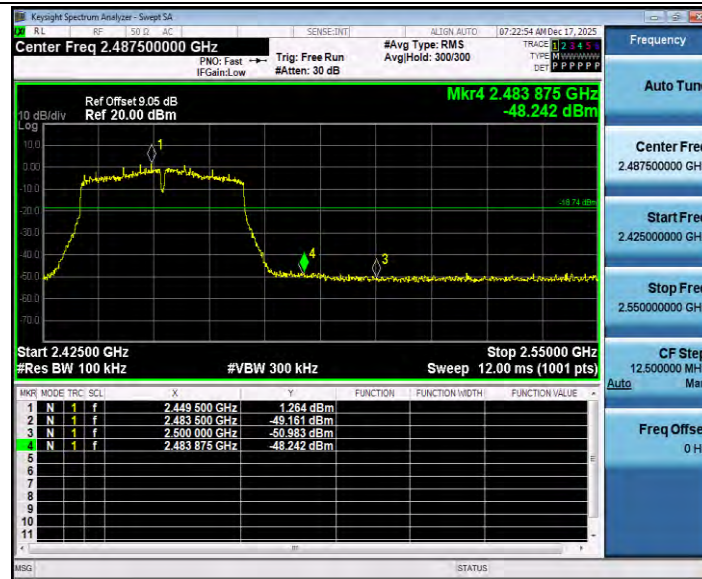
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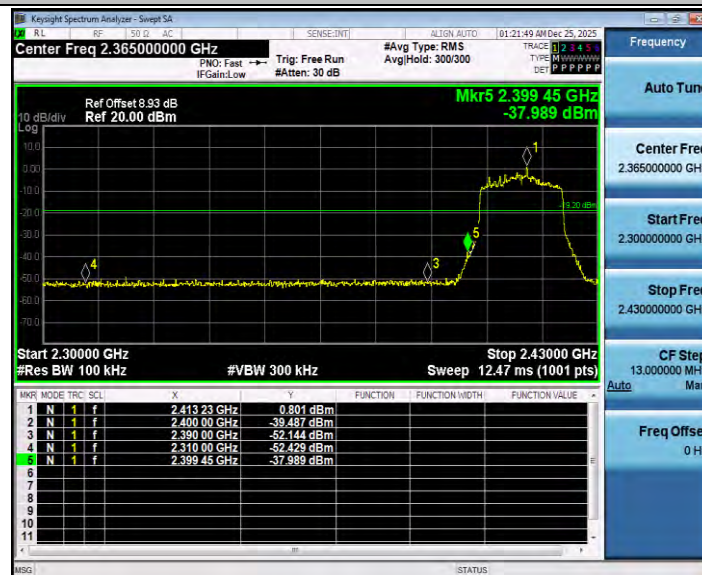
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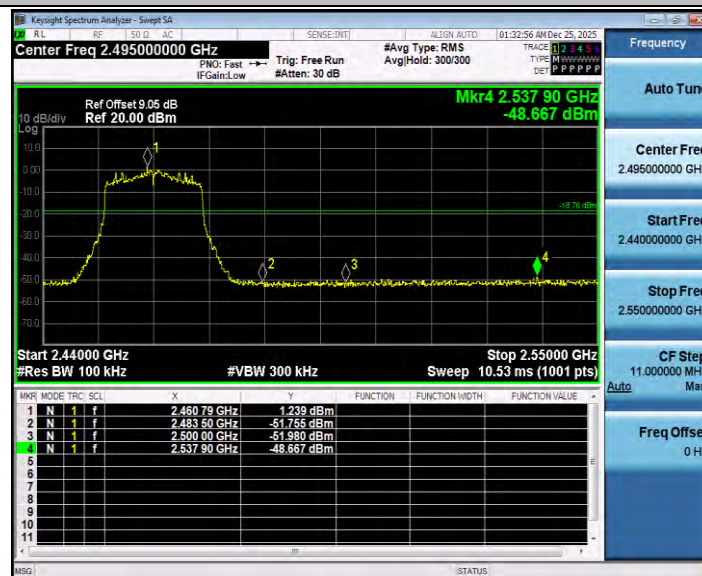
11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452

