

Appendix Test Data

Report No.:	18220WC40015603	Test Sample No.:	1-2-2
Start Test Date:	2024.2.21	Finish Test Date:	2024.2.23
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.080	2408.440	2415.520	0.5	PASS
		2437	7.600	2432.960	2440.560	0.5	PASS
		2462	8.080	2457.960	2466.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	17.600	2428.200	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
		2437	36.320	2418.840	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	19.040	2402.480	2421.520	0.5	PASS
		2437	18.800	2427.600	2446.400	0.5	PASS
		2462	18.800	2452.600	2471.400	0.5	PASS
11AX40SISO	Ant1	2422	38.160	2402.880	2441.040	0.5	PASS
		2437	37.840	2418.040	2455.880	0.5	PASS
		2452	37.840	2433.040	2470.880	0.5	PASS

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Test Graphs



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11G_Ant1_2412



11G_Ant1_2437

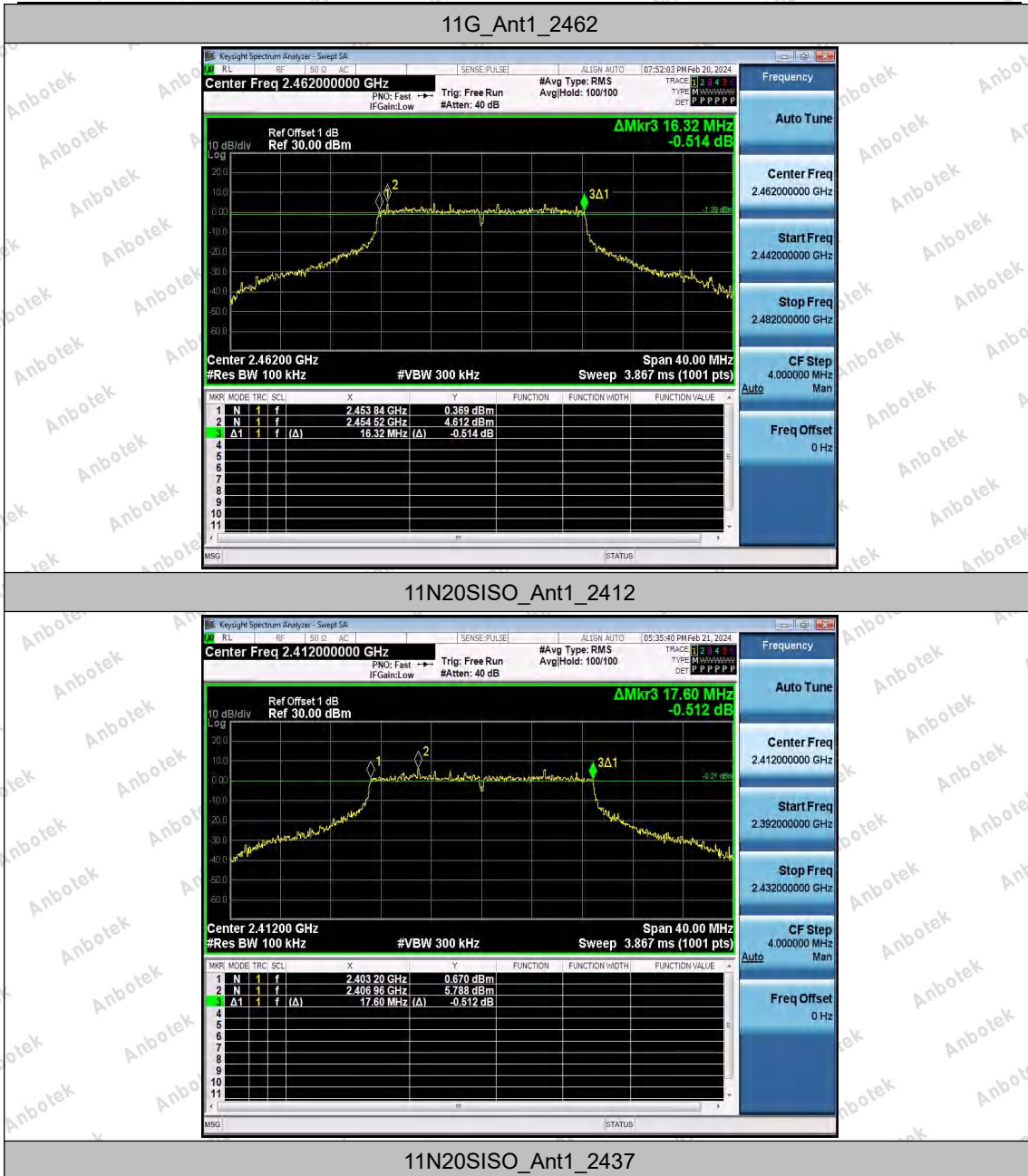


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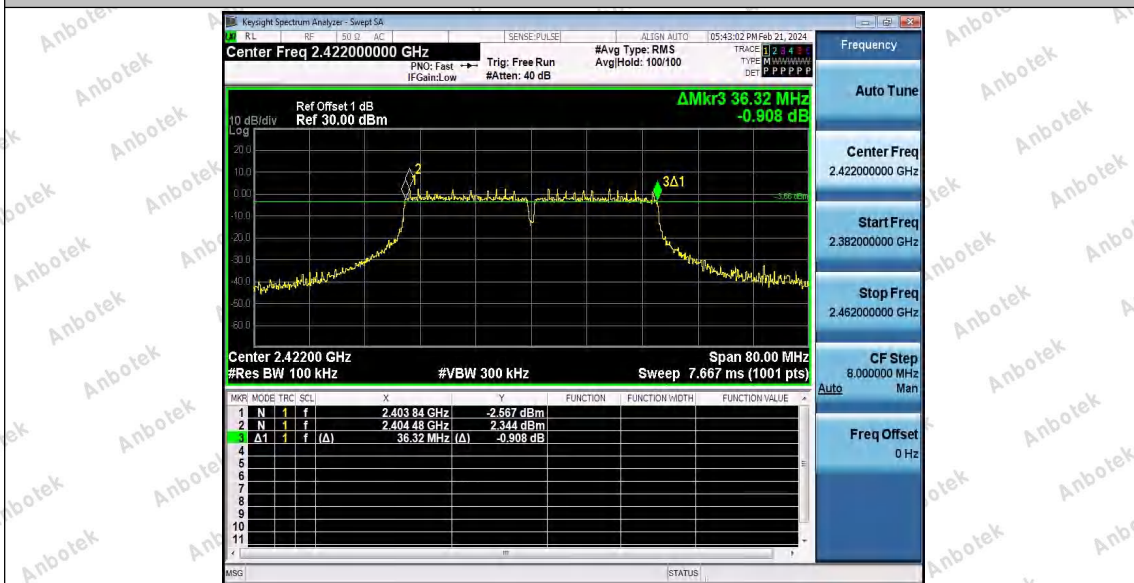




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



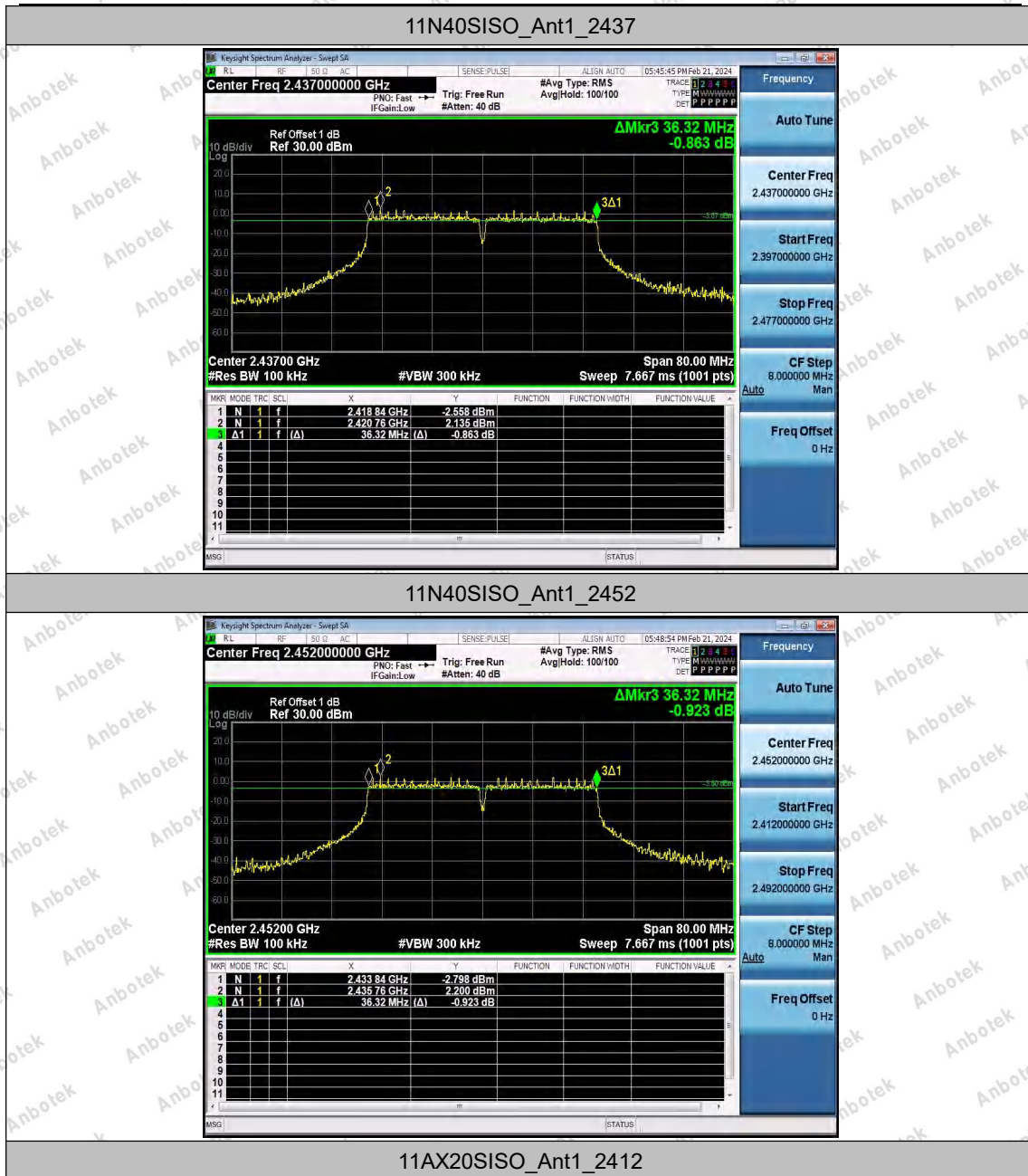
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11AX20SISO_Ant1_2412

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11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



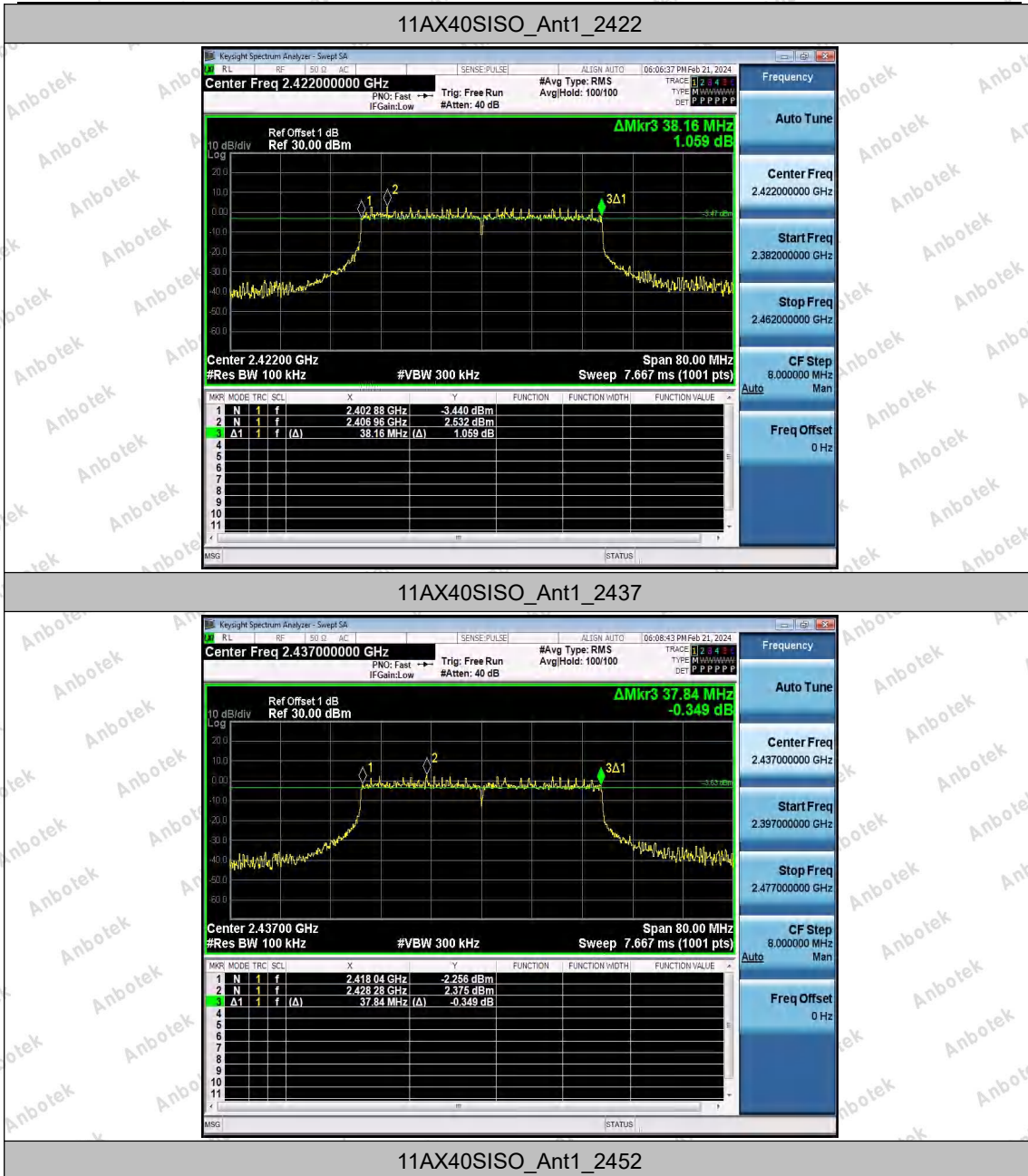
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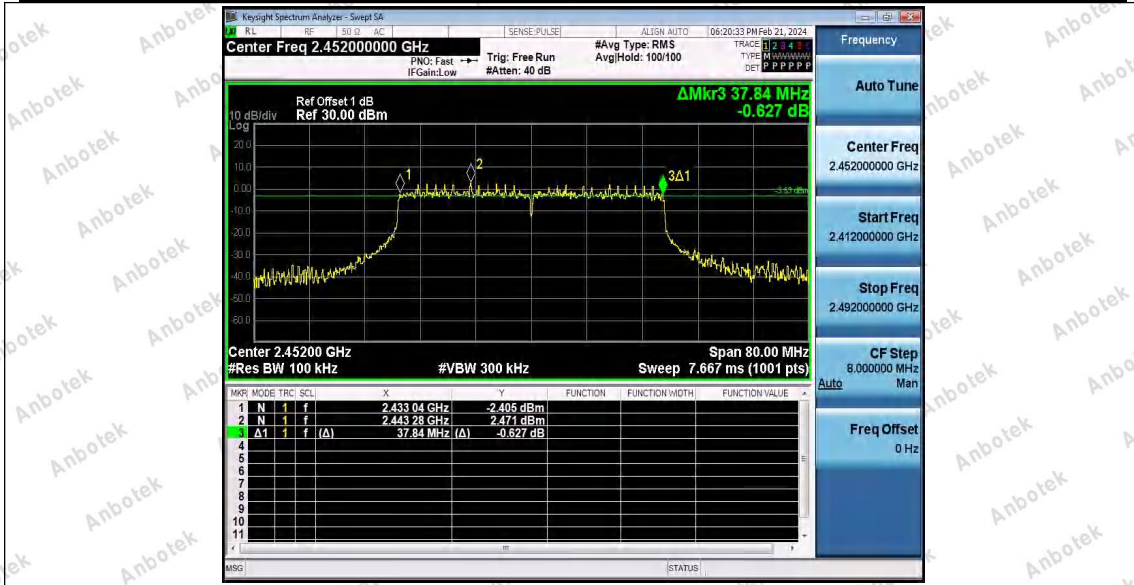
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.327	2405.8492	2418.1762	---	---
		2437	12.342	2430.8433	2443.1853	---	---
		2462	12.341	2455.8428	2468.1838	---	---
11G	Ant1	2412	17.521	2403.1608	2420.6818	---	---
		2437	17.559	2428.1393	2445.6983	---	---
		2462	17.598	2453.1406	2470.7386	---	---
11N20SISO	Ant1	2412	18.944	2402.4800	2421.4240	---	---
		2437	19.049	2427.4039	2446.4529	---	---
		2462	18.933	2452.5328	2471.4658	---	---
11N40SISO	Ant1	2422	37.166	2403.2517	2440.4177	---	---
		2437	37.115	2418.3858	2455.5008	---	---
		2452	37.236	2433.3722	2470.6082	---	---
11AX20SISO	Ant1	2412	19.623	2402.2263	2421.8493	---	---
		2437	19.512	2427.2178	2446.7298	---	---
		2462	19.595	2452.1926	2471.7876	---	---
11AX40SISO	Ant1	2422	38.300	2402.8301	2441.1301	---	---
		2437	38.302	2417.8280	2456.1300	---	---
		2452	38.233	2432.9020	2471.1350	---	---



Test Graphs



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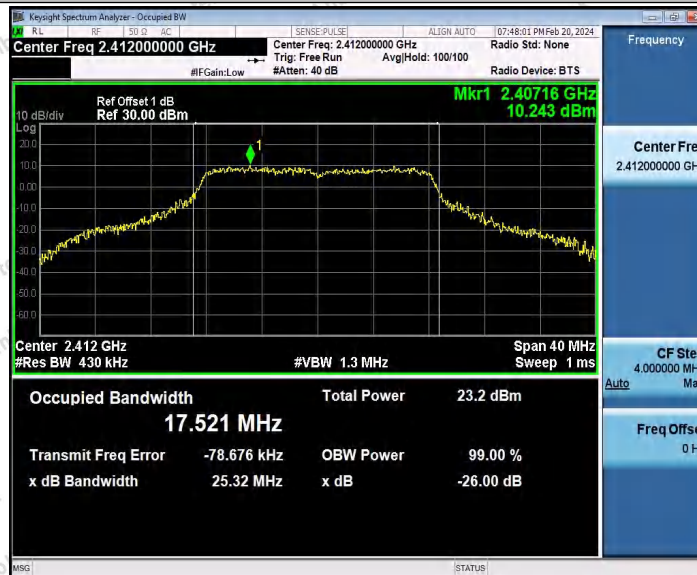


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11G_Ant1_2412



11G_Ant1_2437



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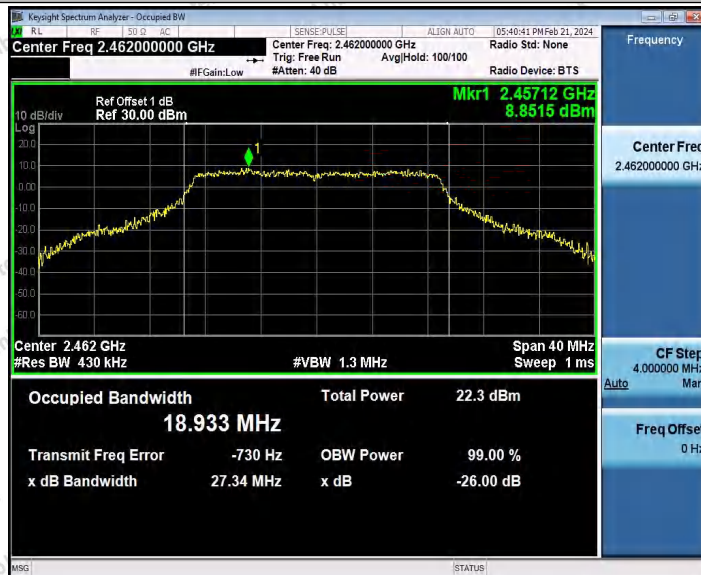


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11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



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11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



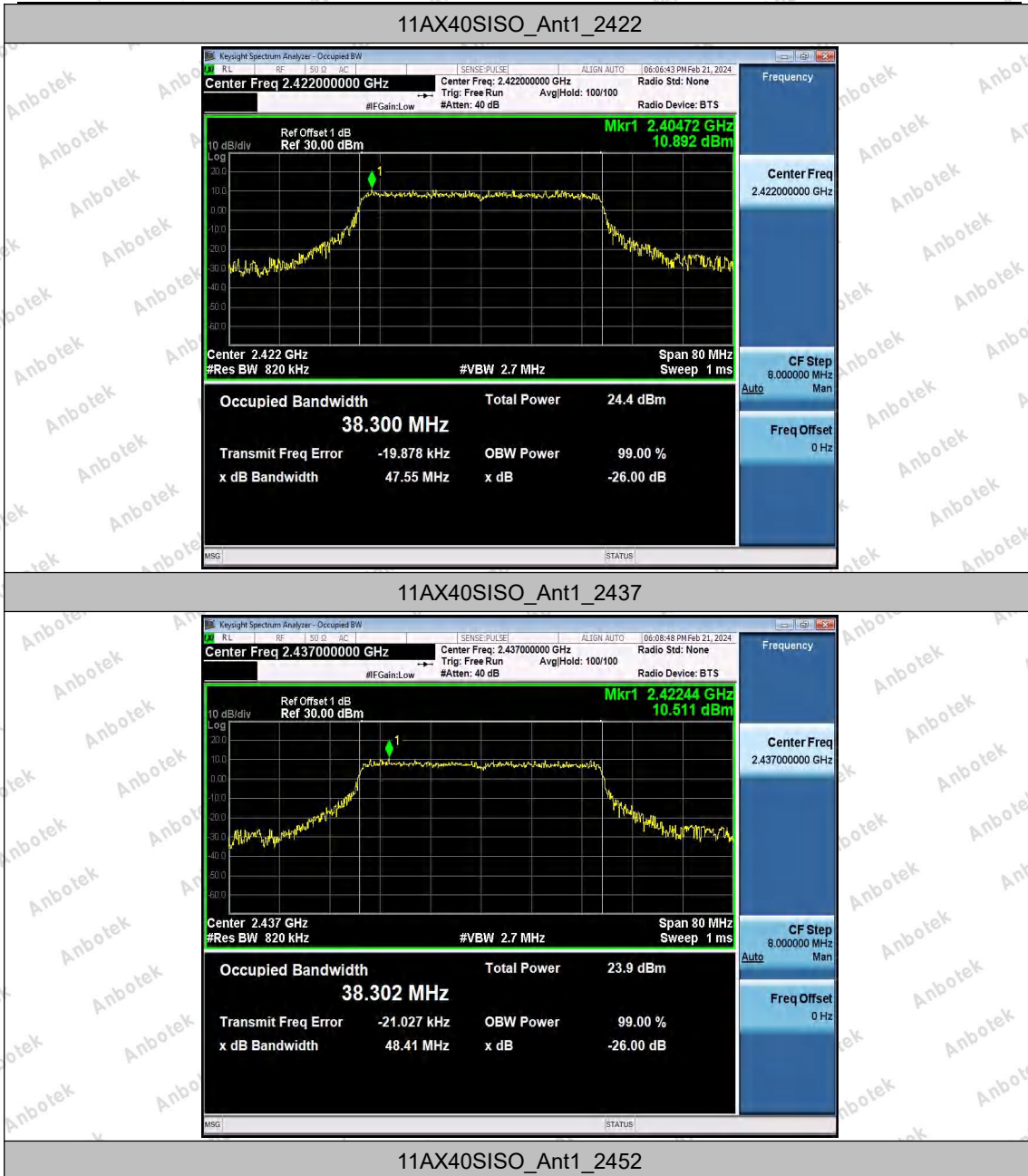
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Appendix C: Maximum conducted output power

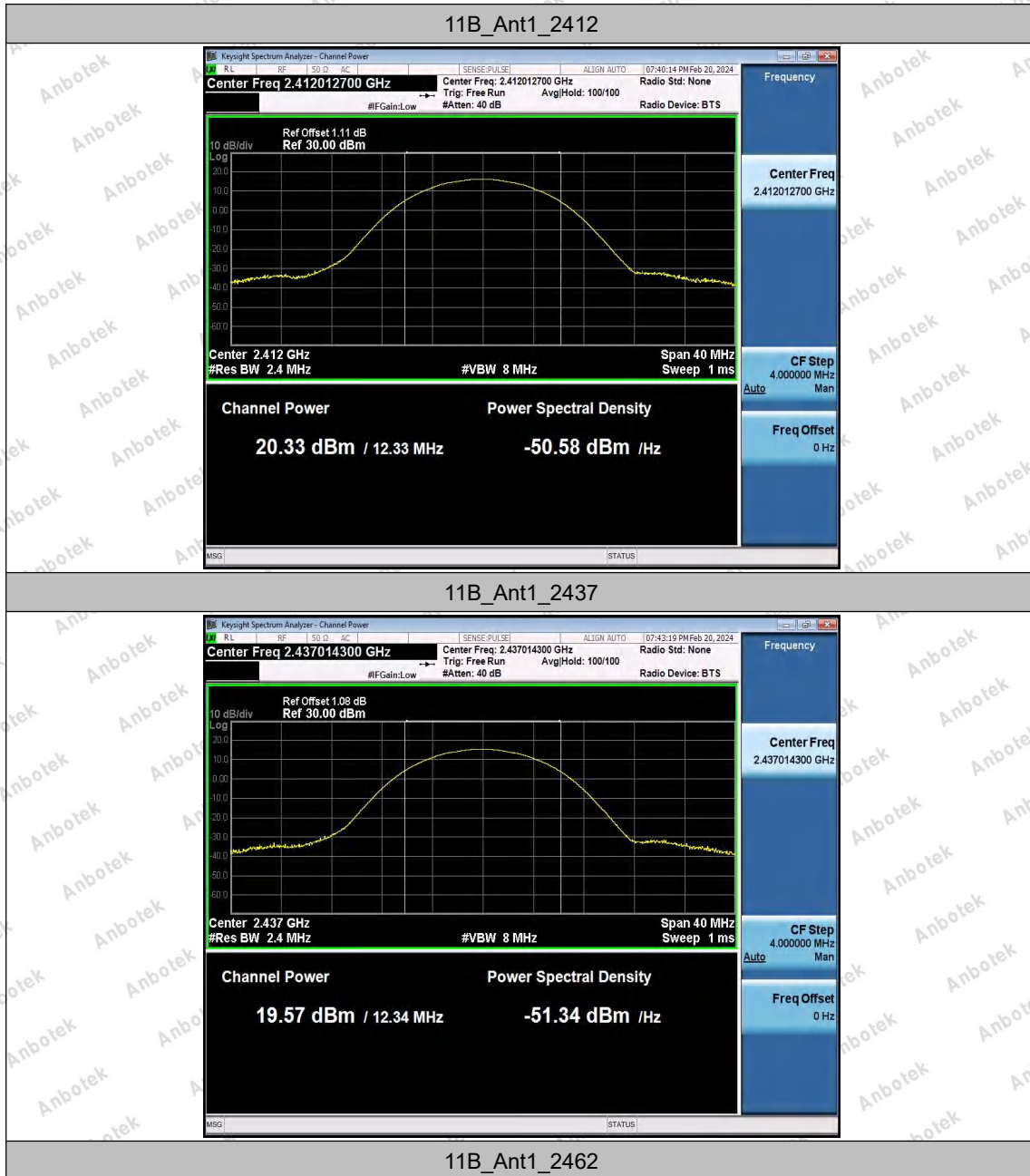
Test Result

TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	20.33	≤30.00
		2437	19.57	≤30.00
		2462	19.38	≤30.00
11G	Ant1	2412	21.09	≤30.00
		2437	20.26	≤30.00
		2462	20.10	≤30.00
11N20SISO	Ant1	2412	21.25	≤30.00
		2437	20.43	≤30.00
		2462	20.27	≤30.00
11N40SISO	Ant1	2422	20.57	≤30.00
		2437	20.78	≤30.00
		2452	20.32	≤30.00
11AX20SISO	Ant1	2412	21.79	≤30.00
		2437	21.14	≤30.00
		2462	20.78	≤30.00
11AX40SISO	Ant1	2422	21.25	≤30.00
		2437	20.95	≤30.00
		2452	21.03	≤30.00

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.

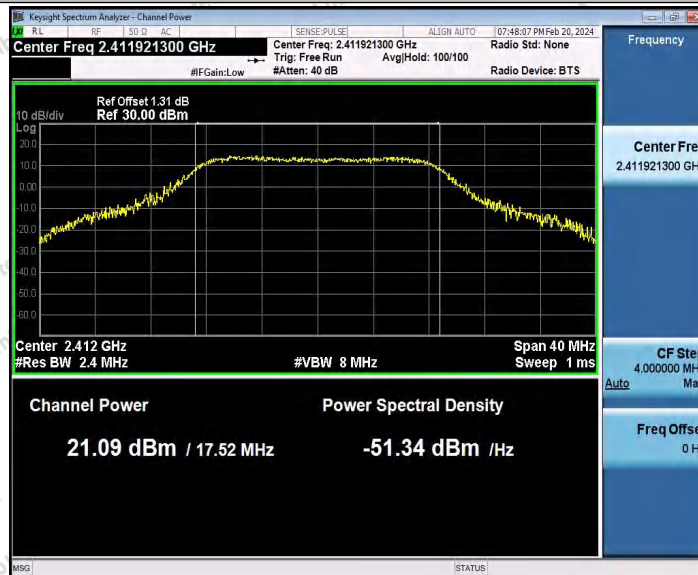


Test Graphs

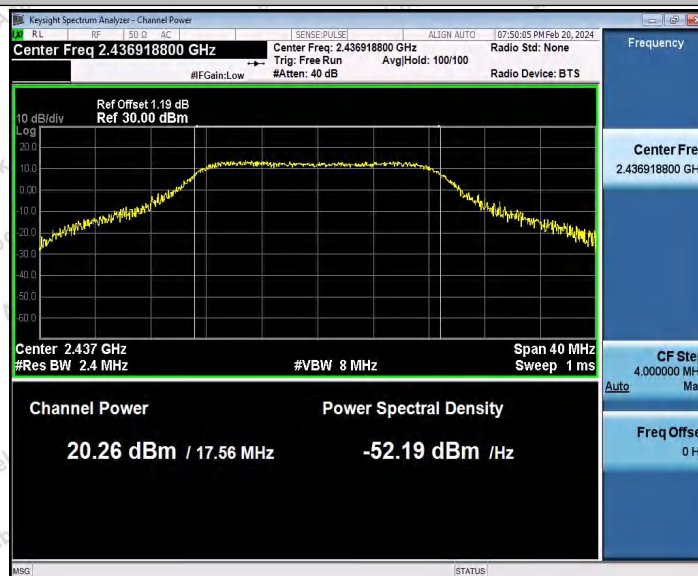




11G_Ant1_2412



11G_Ant1_2437



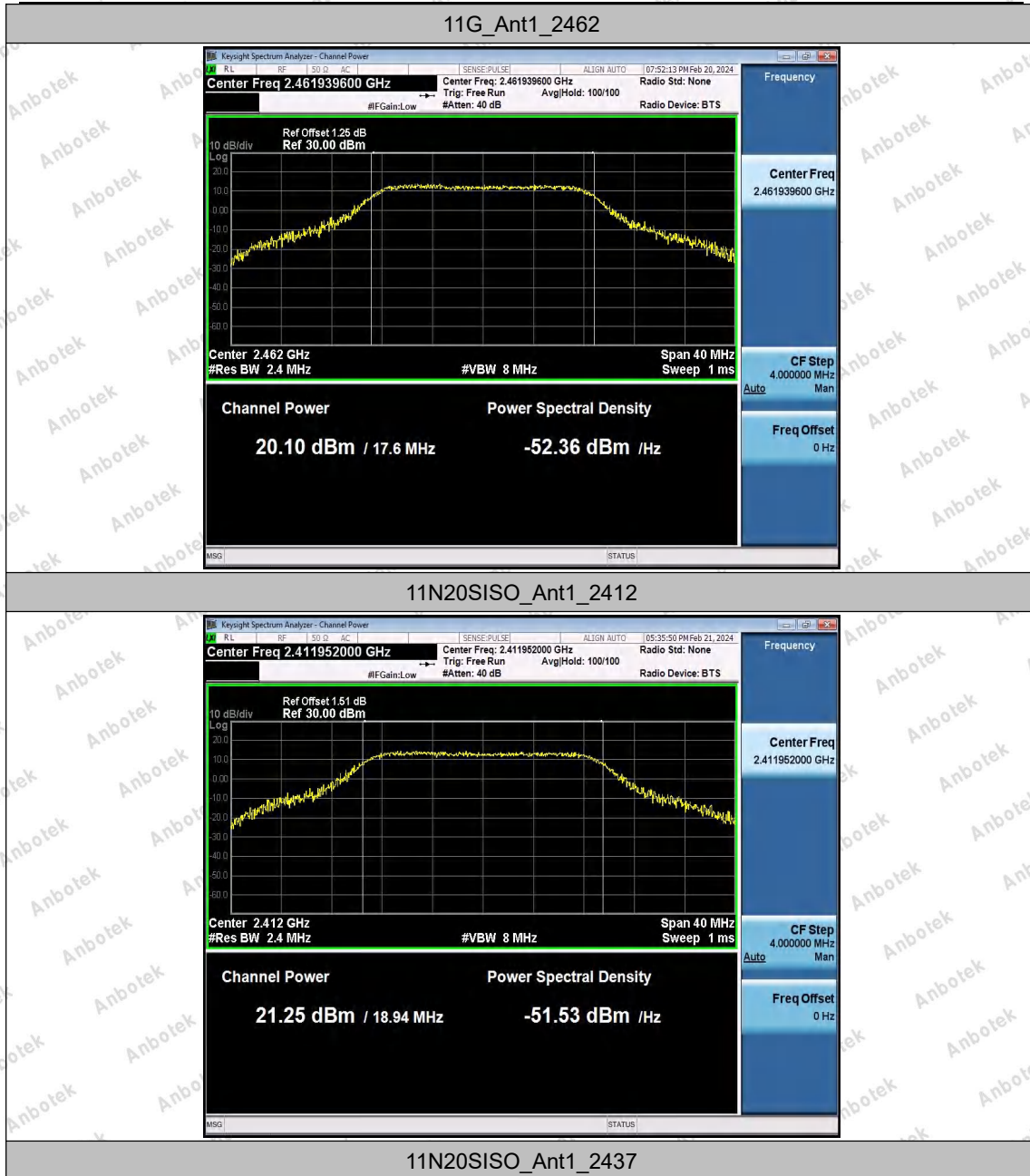
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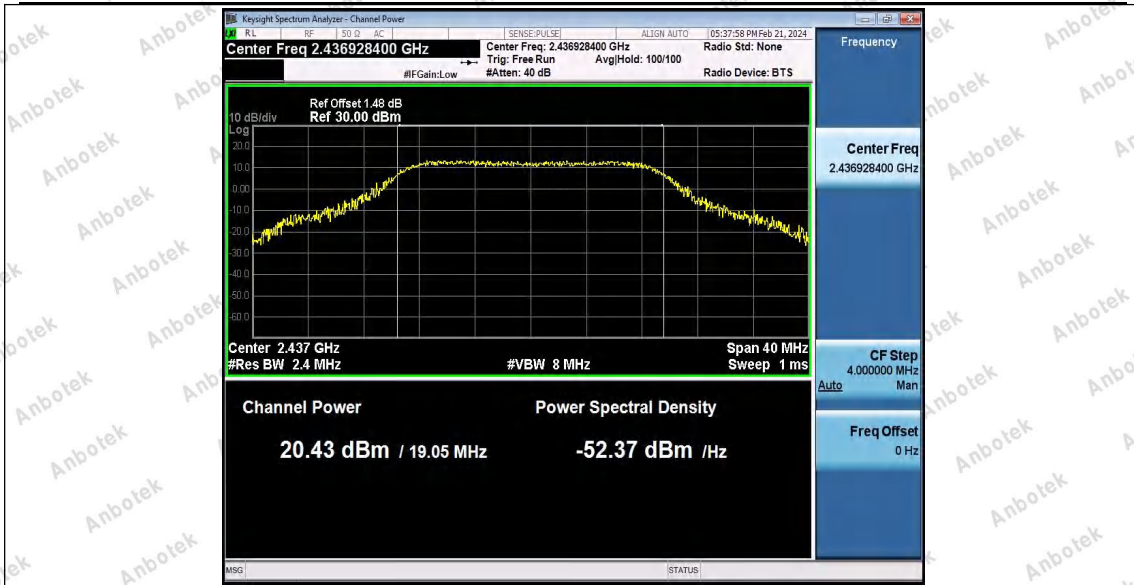
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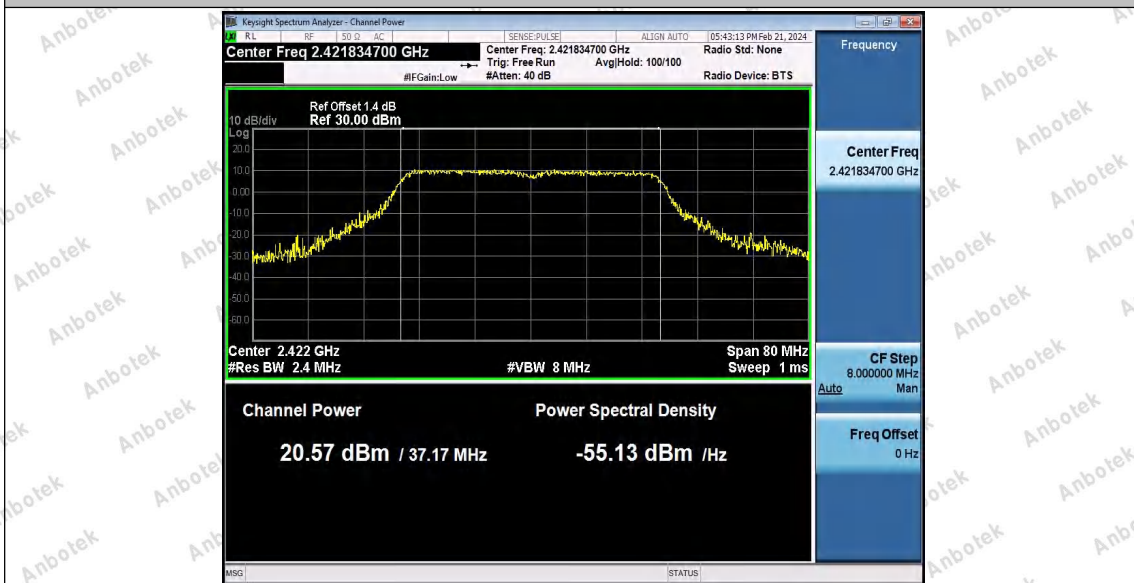




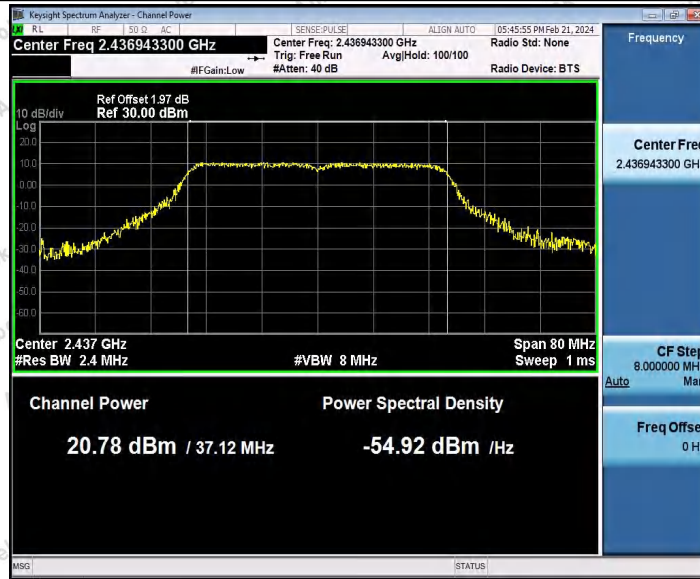
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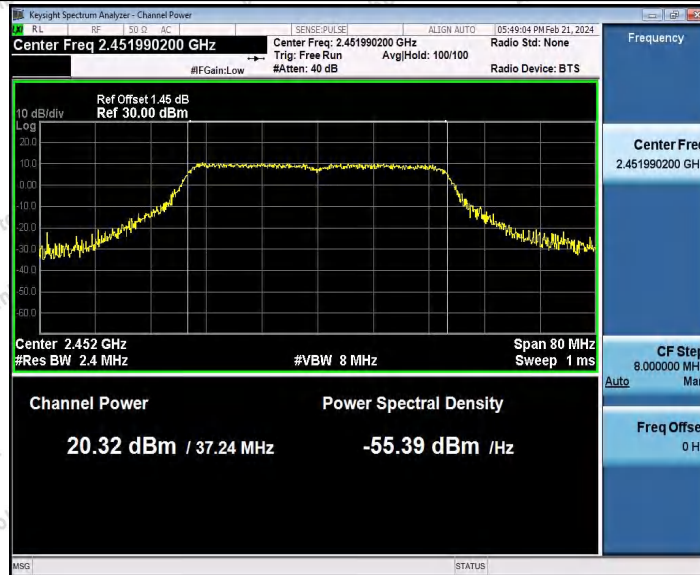
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452

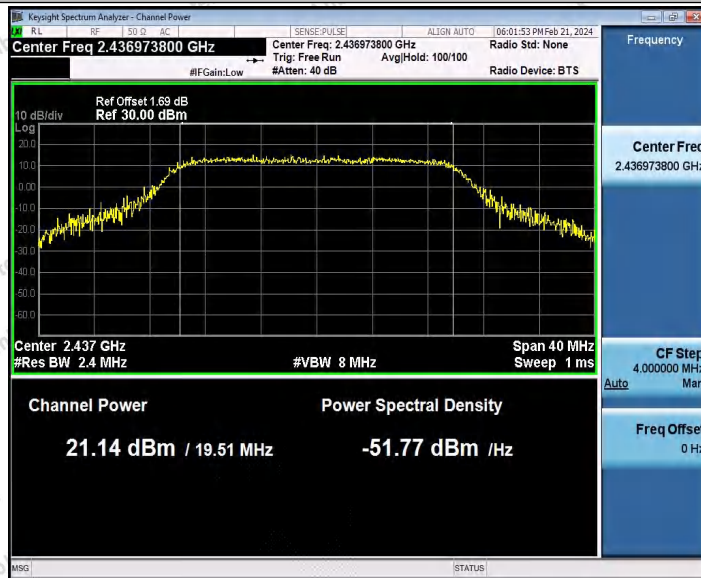


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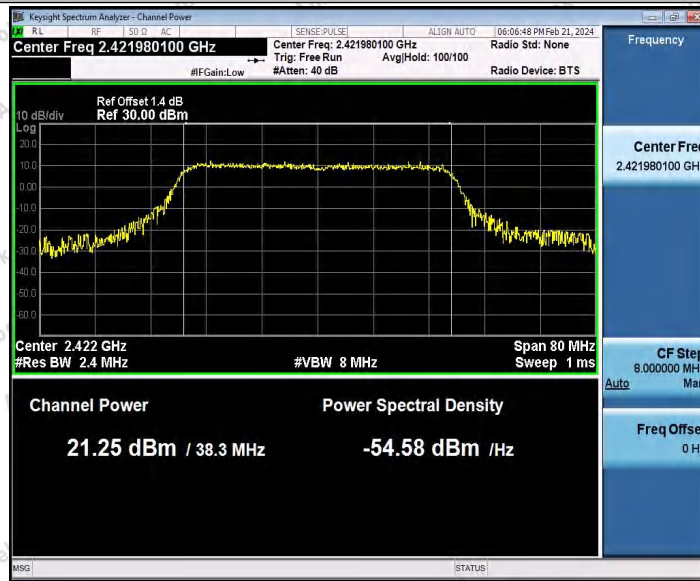
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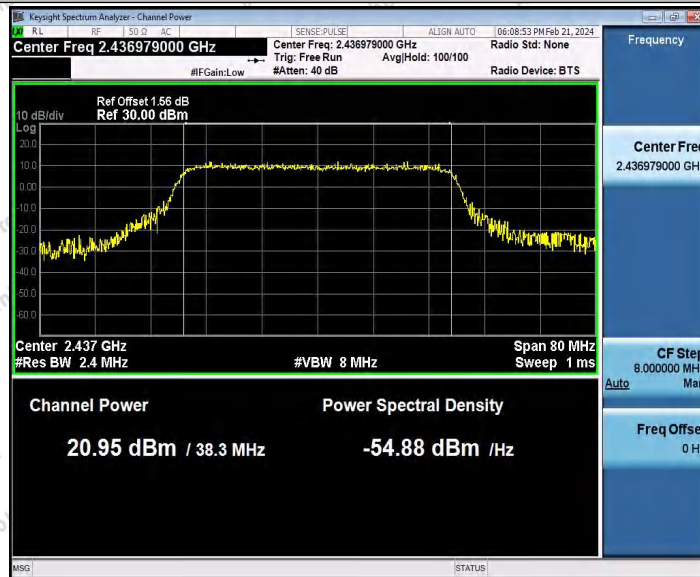
11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452





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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-0.84	-10.84	≤8.00	PASS
		2437	-2.15	-12.15	≤8.00	PASS
		2462	-2.03	-12.03	≤8.00	PASS
11G	Ant1	2412	-6.46	-16.46	≤8.00	PASS
		2437	-7.56	-17.56	≤8.00	PASS
		2462	-7.5	-17.50	≤8.00	PASS
11N20SISO	Ant1	2412	-7.02	-17.02	≤8.00	PASS
		2437	-7.54	-17.54	≤8.00	PASS
		2462	-7.9	-17.90	≤8.00	PASS
11N40SISO	Ant1	2422	-10.48	-20.48	≤8.00	PASS
		2437	-10.18	-20.18	≤8.00	PASS
		2452	-10.75	-20.75	≤8.00	PASS
11AX20SISO	Ant1	2412	-8.31	-18.31	≤8.00	PASS
		2437	-8.59	-18.59	≤8.00	PASS
		2462	-9.41	-19.41	≤8.00	PASS
11AX40SISO	Ant1	2422	-10.54	-20.54	≤8.00	PASS
		2437	-11.82	-21.82	≤8.00	PASS
		2452	-11.72	-21.72	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



Test Graphs



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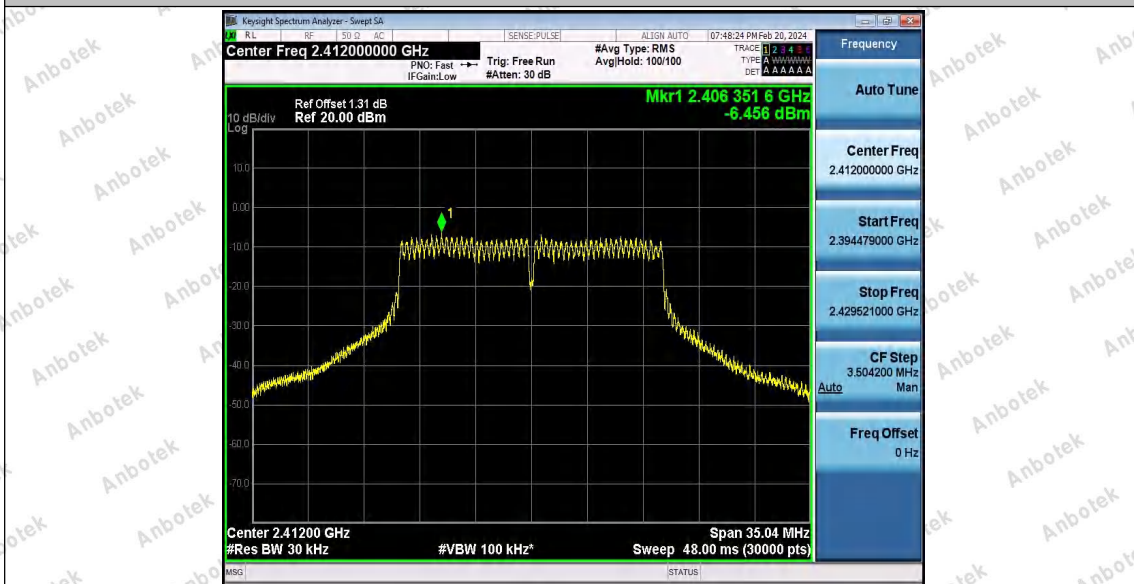


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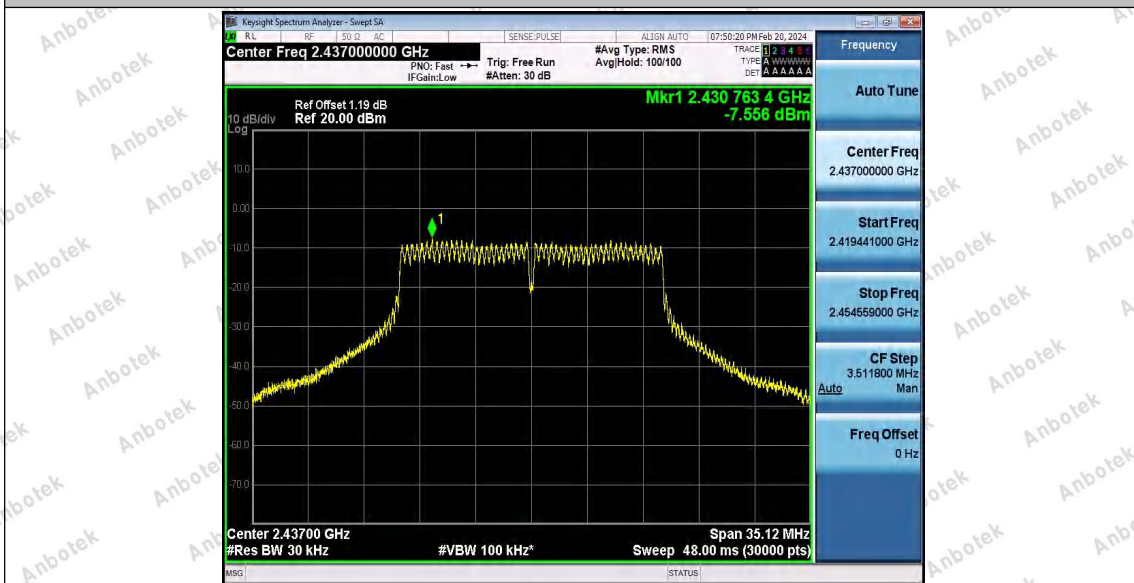




11G_Ant1_2412



11G_Ant1_2437



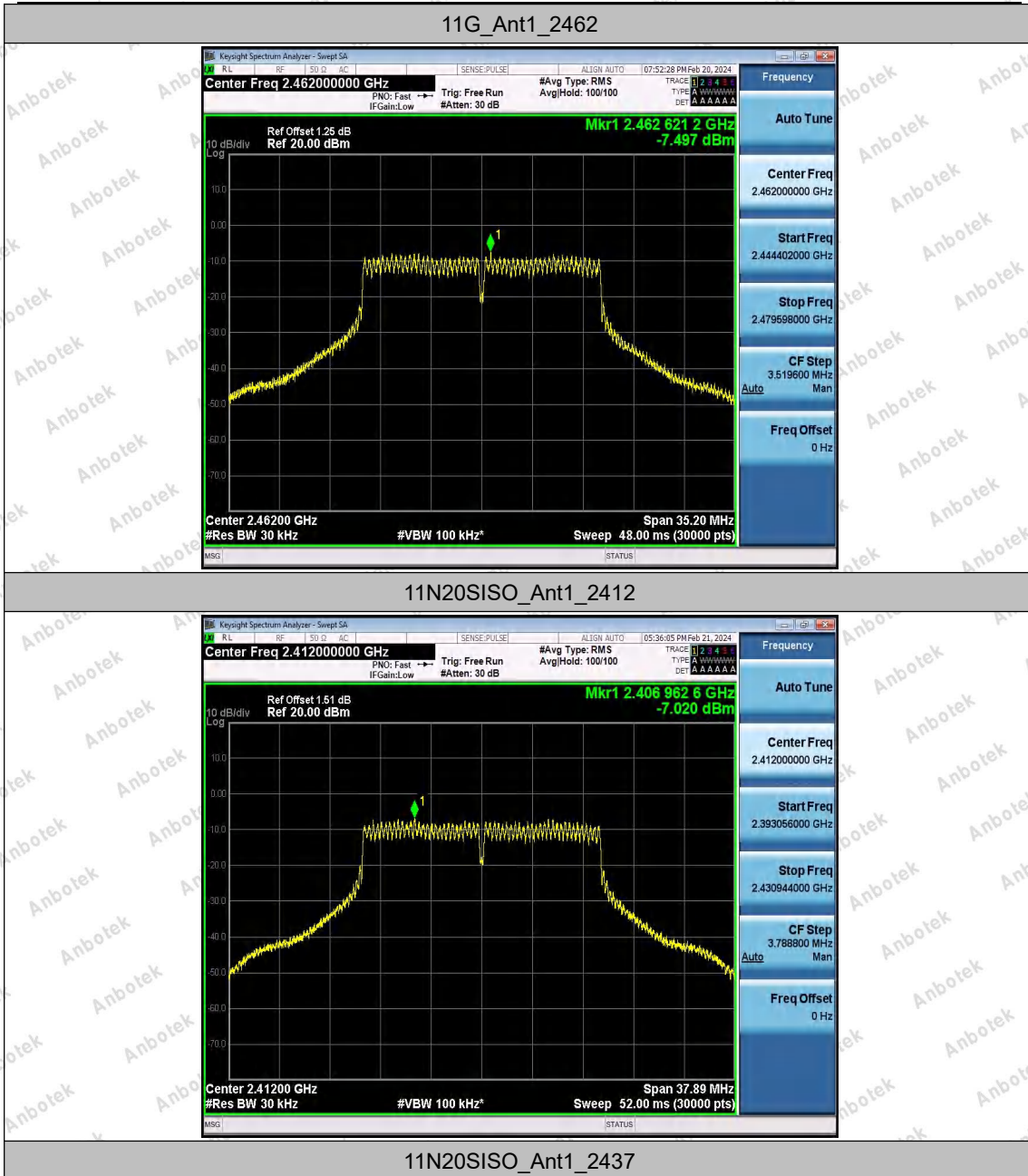
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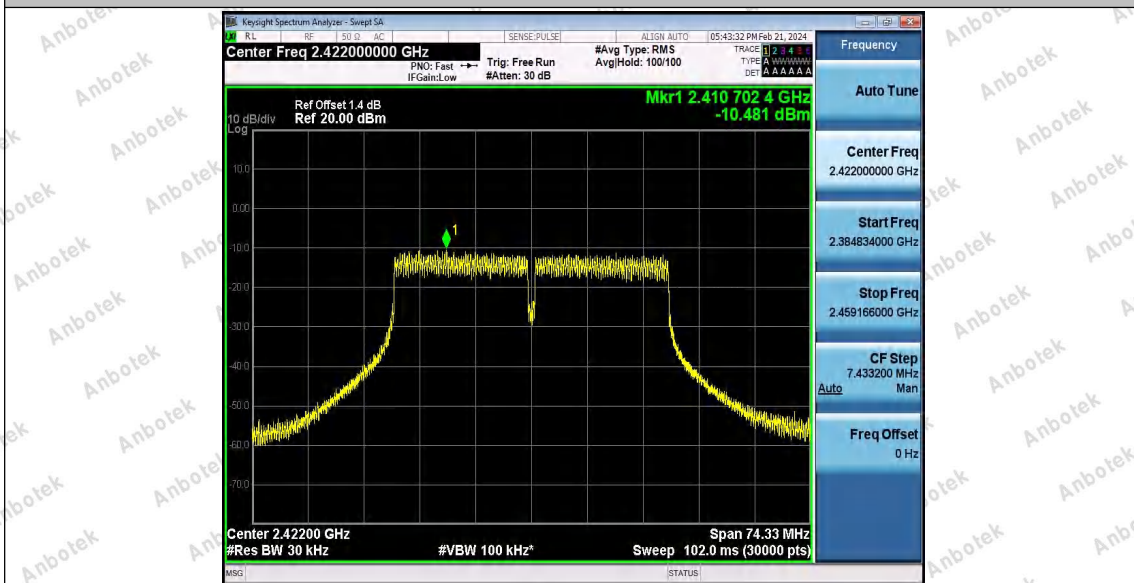
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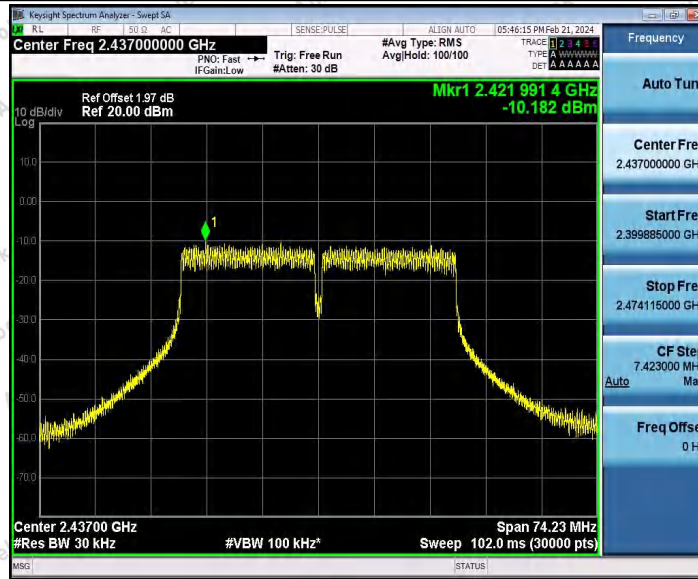
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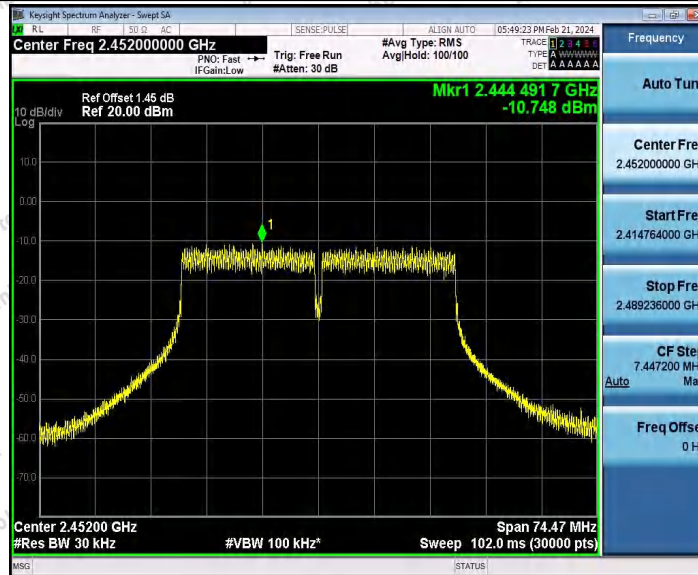
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

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11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



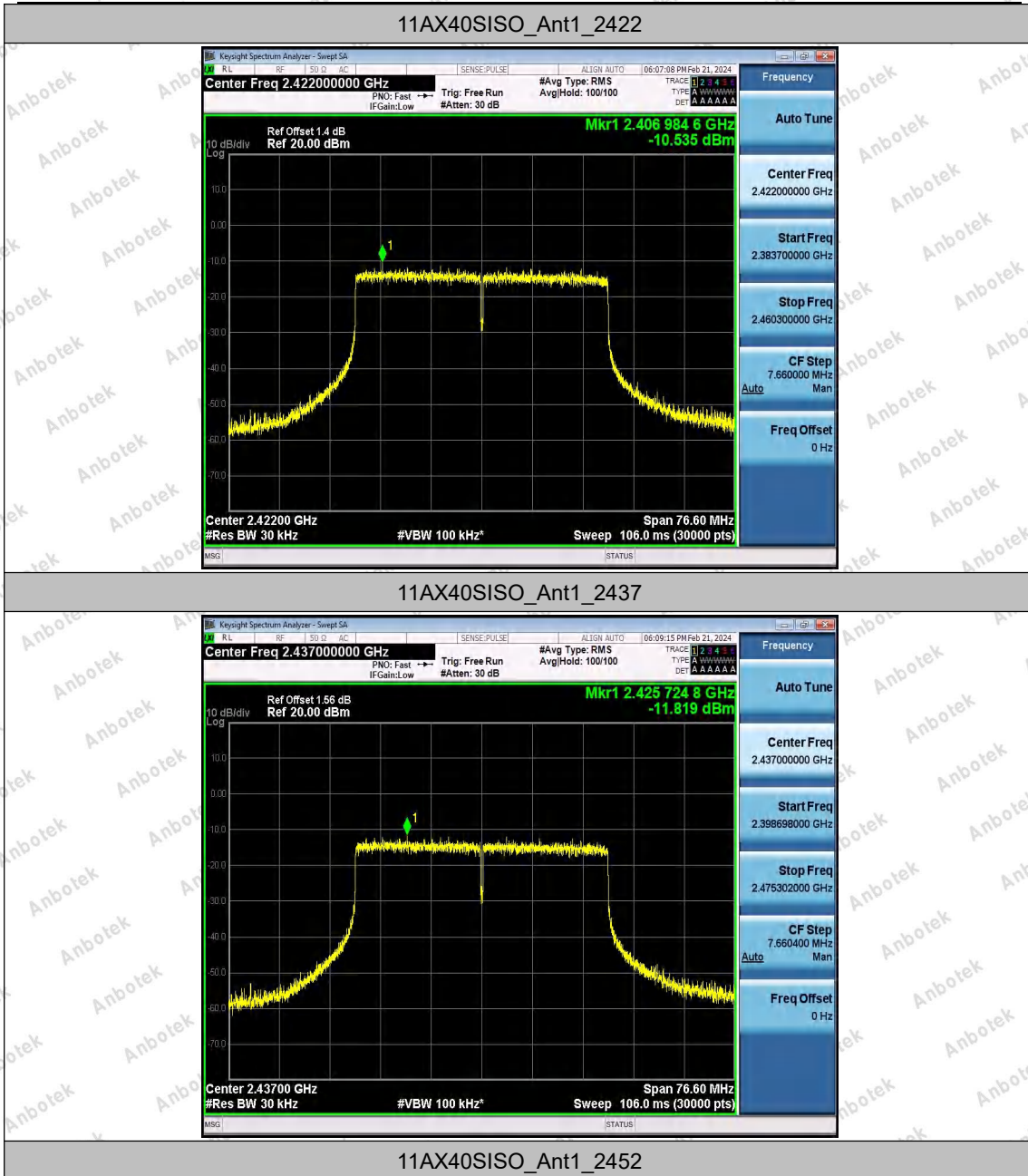
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.90	-36.05	≤-19.1	PASS
		High	2462	11.00	-51.9	≤-19	PASS
11G	Ant1	Low	2412	3.88	-35.27	≤-26.12	PASS
		High	2462	4.92	-40.78	≤-25.08	PASS
11N20SISO	Ant1	Low	2412	3.42	-30.1	≤-26.58	PASS
		High	2462	5.14	-41.17	≤-24.86	PASS
11N40SISO	Ant1	Low	2422	0.97	-33.05	≤-29.04	PASS
		High	2452	2.11	-34.6	≤-27.89	PASS
11AX20SISO	Ant1	Low	2412	3.24	-33.91	≤-26.76	PASS
		High	2462	4.95	-41.4	≤-25.05	PASS
11AX40SISO	Ant1	Low	2422	0.86	-34.21	≤-29.14	PASS
		High	2452	2.38	-33.34	≤-27.62	PASS

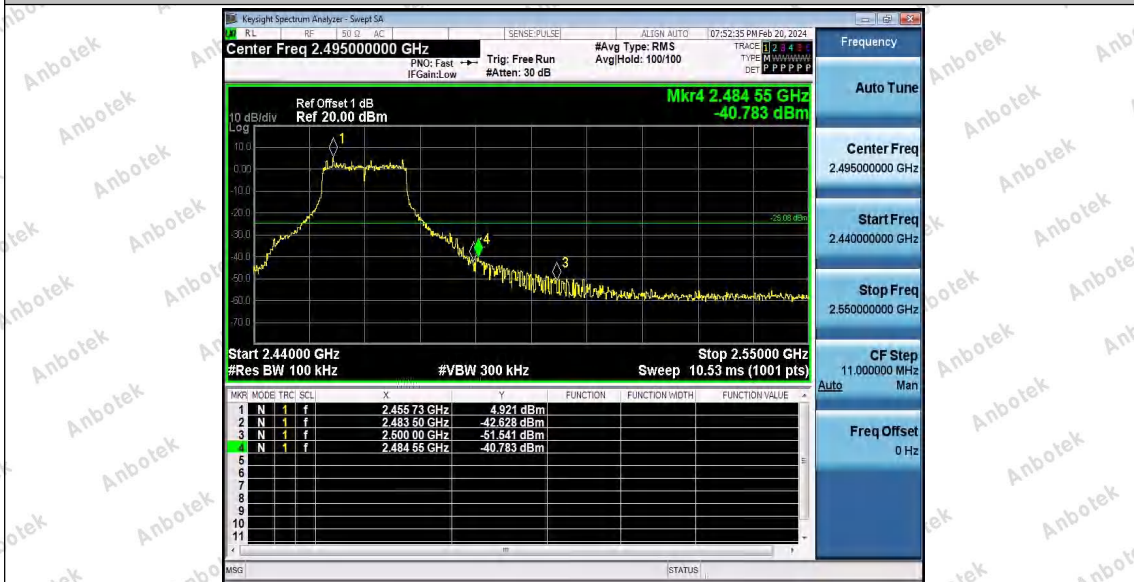


Test Graphs

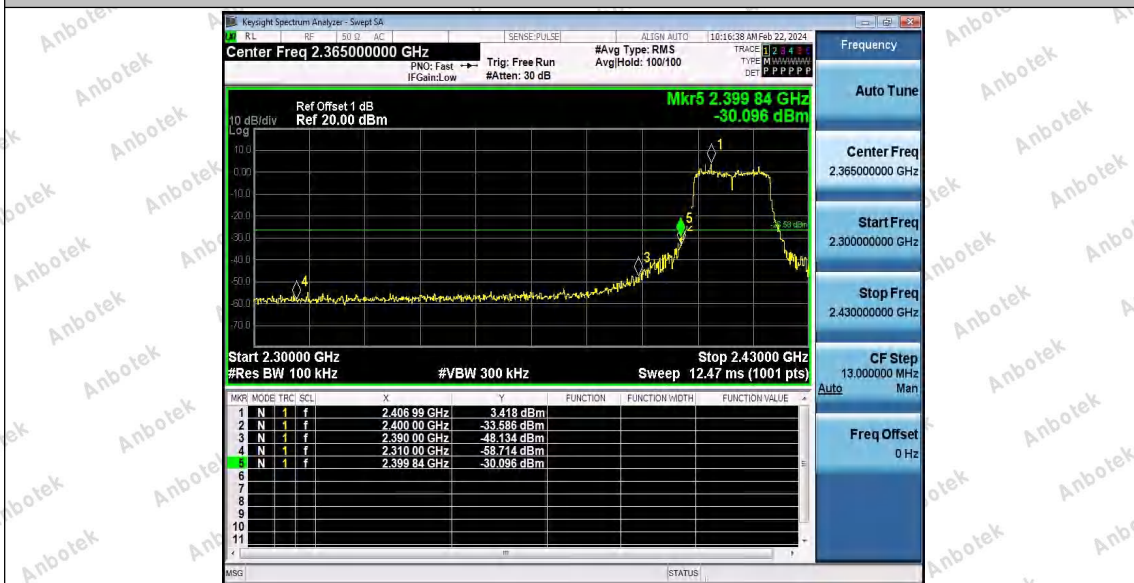




11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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