

Appendix Test Data

Report No.:	182513C400012102	Test Sample No.:	1-2-2
Start Test Date:	2024.5.28	Finish Test Date:	2024.6.6
Test Engineer:	<i>Joker Wong</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.4°C	Relative Humidity:	49%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	7.800	2407.960	2415.760	0.5	PASS
11B	Ant1	2437	8.560	2432.480	2441.040	0.5	PASS
11B	Ant1	2462	7.040	2458.480	2465.520	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
11G	Ant1	2437	16.360	2428.800	2445.160	0.5	PASS
11G	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.560	2403.200	2420.760	0.5	PASS
11N20SISO	Ant1	2437	17.600	2428.200	2445.800	0.5	PASS
11N20SISO	Ant1	2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
11N40SISO	Ant1	2437	36.320	2418.840	2455.160	0.5	PASS
11N40SISO	Ant1	2452	36.320	2433.840	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	19.000	2402.480	2421.480	0.5	PASS
11AX20SISO	Ant1	2437	18.840	2427.600	2446.440	0.5	PASS
11AX20SISO	Ant1	2462	18.800	2452.560	2471.360	0.5	PASS
11AX40SISO	Ant1	2422	37.840	2403.120	2440.960	0.5	PASS
11AX40SISO	Ant1	2437	37.760	2418.200	2455.960	0.5	PASS
11AX40SISO	Ant1	2452	37.920	2432.960	2470.880	0.5	PASS

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Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



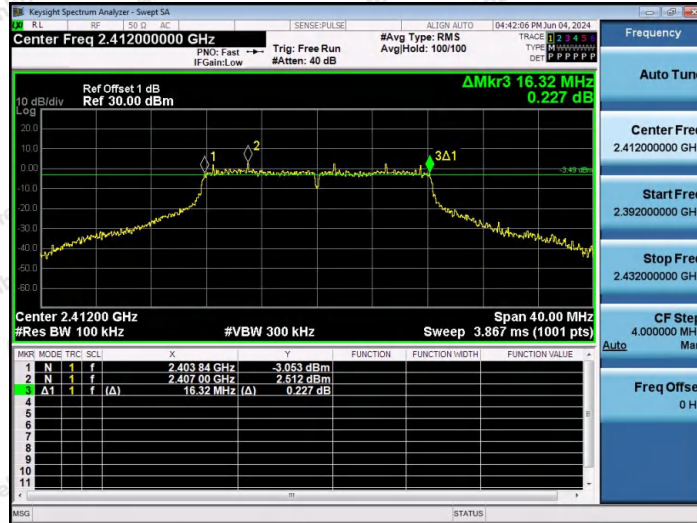
11B-Ant1-2462-PASS

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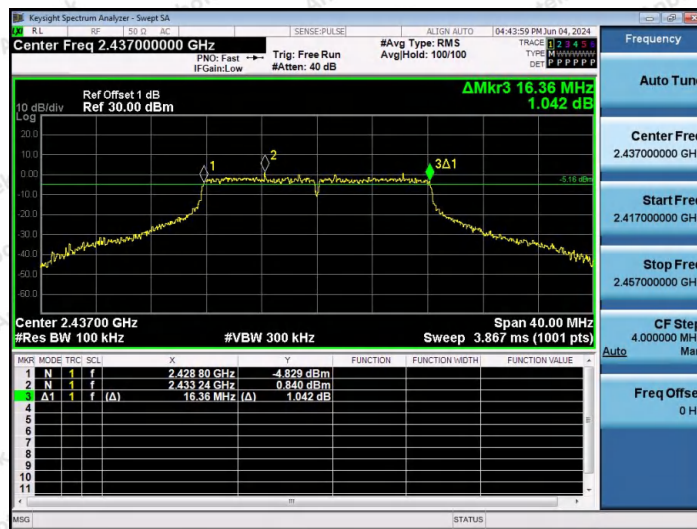
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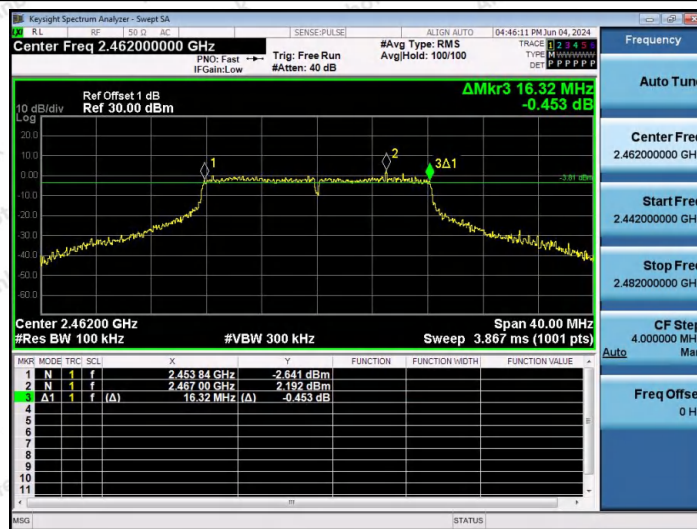




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



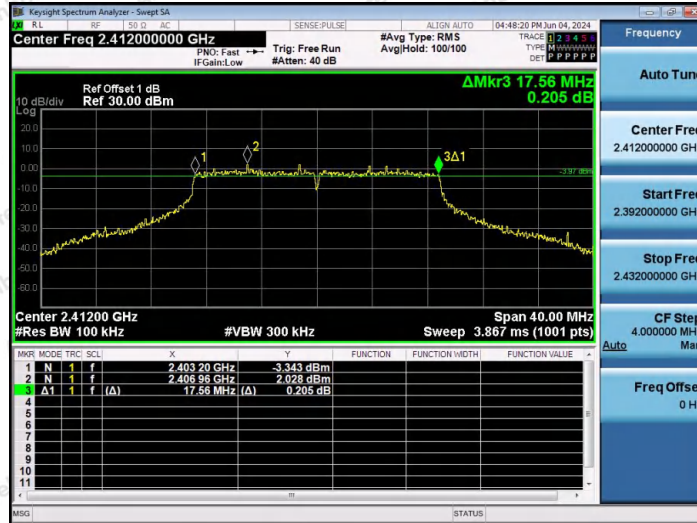
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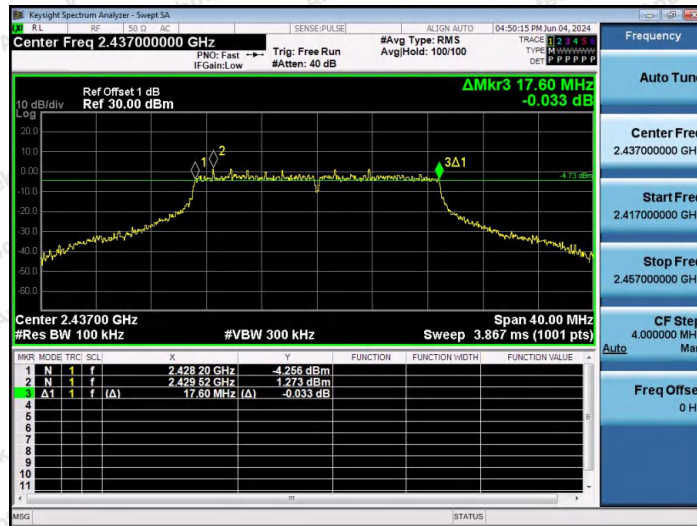
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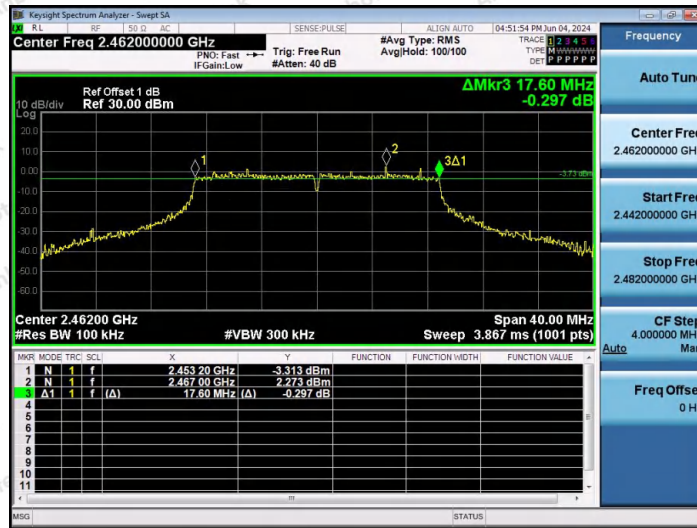




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



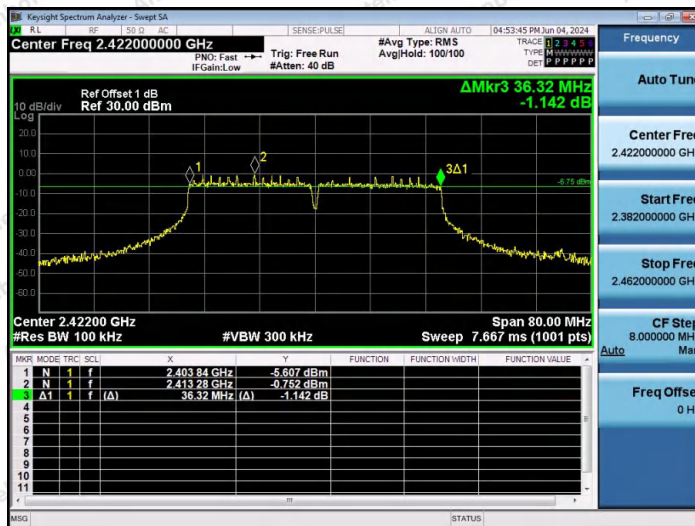
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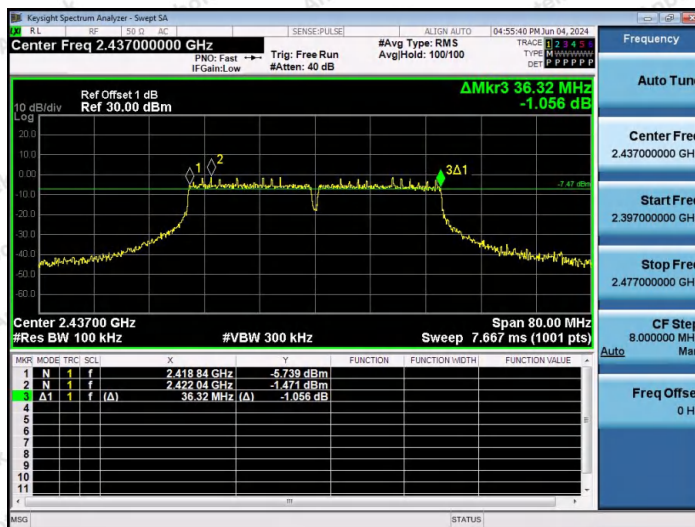
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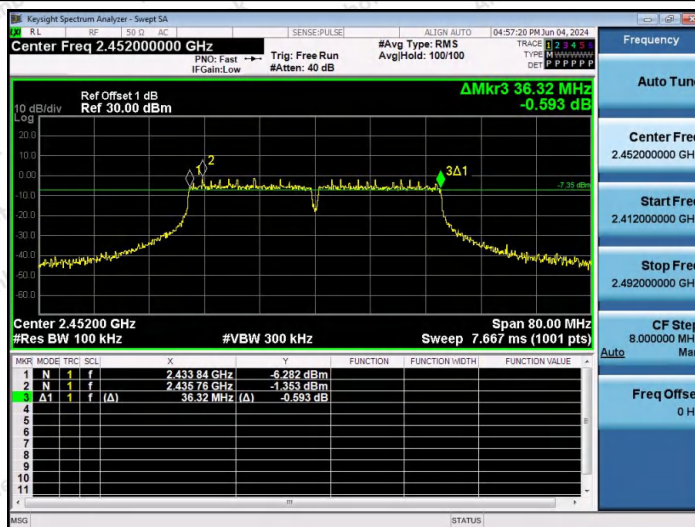




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11N40SISO-Ant1-2437-PASS



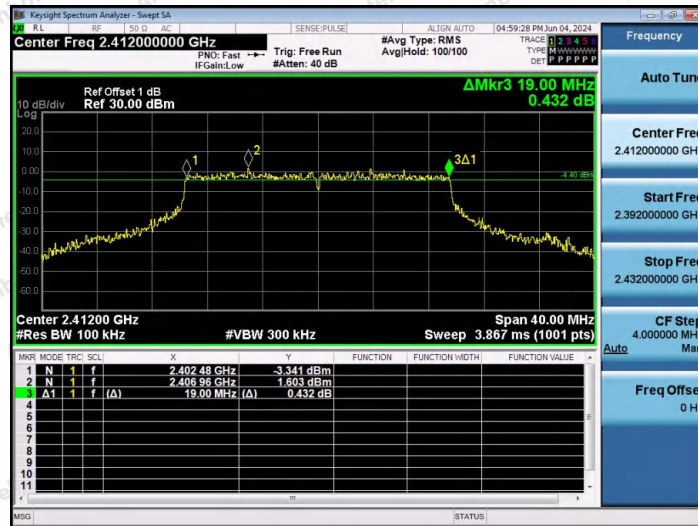
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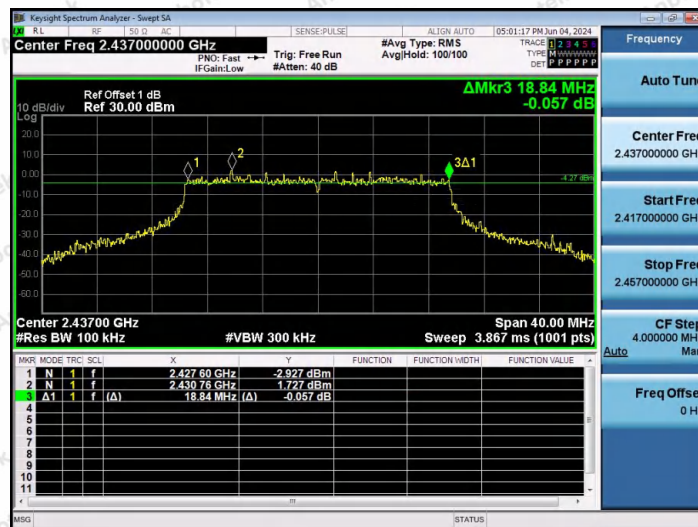
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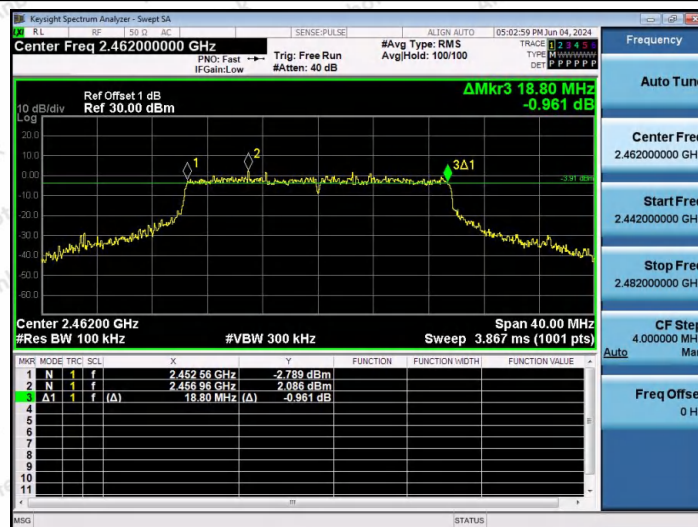




11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2437-PASS



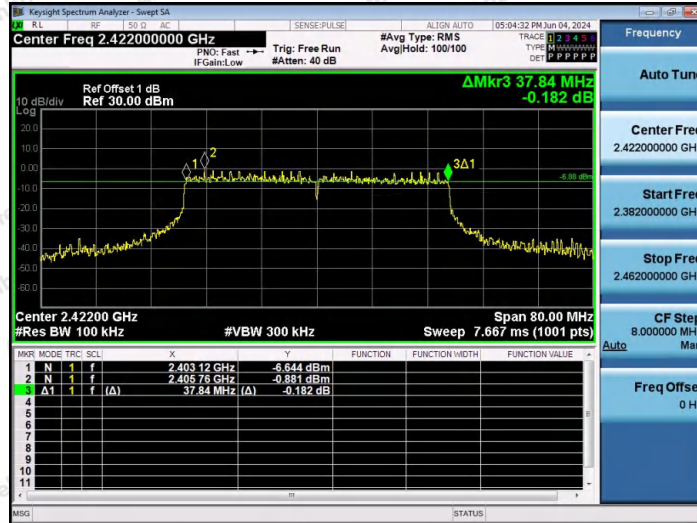
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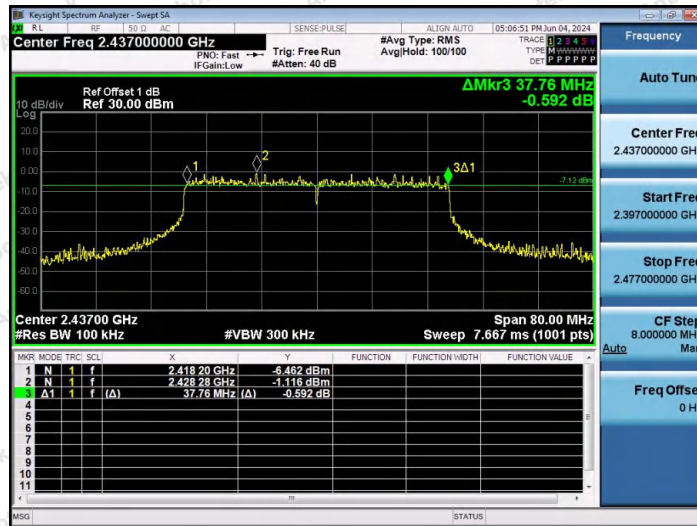
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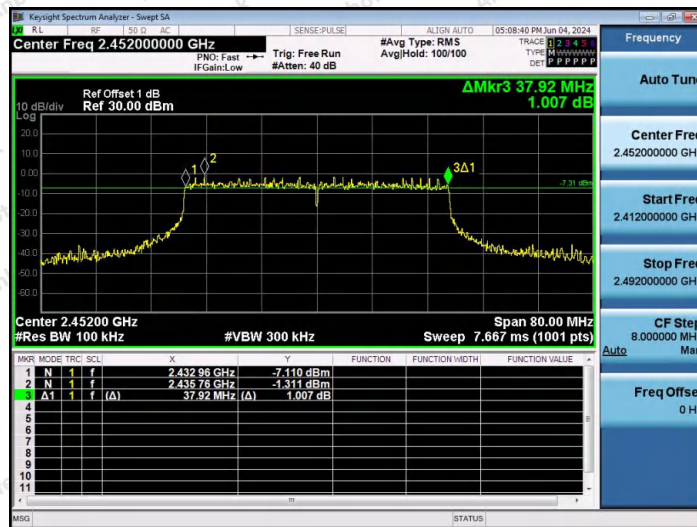




11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



11AX40SISO-Ant1-2452-PASS

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.522	2405.7480	2418.2700	---	---
11B	Ant1	2437	12.529	2430.7469	2443.2759	---	---
11B	Ant1	2462	12.645	2455.6950	2468.3400	---	---
11G	Ant1	2412	17.691	2403.0498	2420.7408	---	---
11G	Ant1	2437	17.892	2427.9001	2445.7921	---	---
11G	Ant1	2462	17.739	2453.0190	2470.7580	---	---
11N20SISO	Ant1	2412	18.863	2402.5349	2421.3979	---	---
11N20SISO	Ant1	2437	18.756	2427.5852	2446.3412	---	---
11N20SISO	Ant1	2462	18.784	2452.5631	2471.3471	---	---
11N40SISO	Ant1	2422	37.157	2403.3347	2440.4917	---	---
11N40SISO	Ant1	2437	37.191	2418.3569	2455.5479	---	---
11N40SISO	Ant1	2452	37.356	2433.2384	2470.5944	---	---
11AX20SISO	Ant1	2412	19.415	2402.2980	2421.7130	---	---
11AX20SISO	Ant1	2437	19.404	2427.3435	2446.7475	---	---
11AX20SISO	Ant1	2462	19.557	2452.2614	2471.8184	---	---
11AX40SISO	Ant1	2422	38.265	2402.8701	2441.1351	---	---
11AX40SISO	Ant1	2437	38.247	2417.9182	2456.1652	---	---
11AX40SISO	Ant1	2452	38.246	2432.9538	2471.1998	---	---

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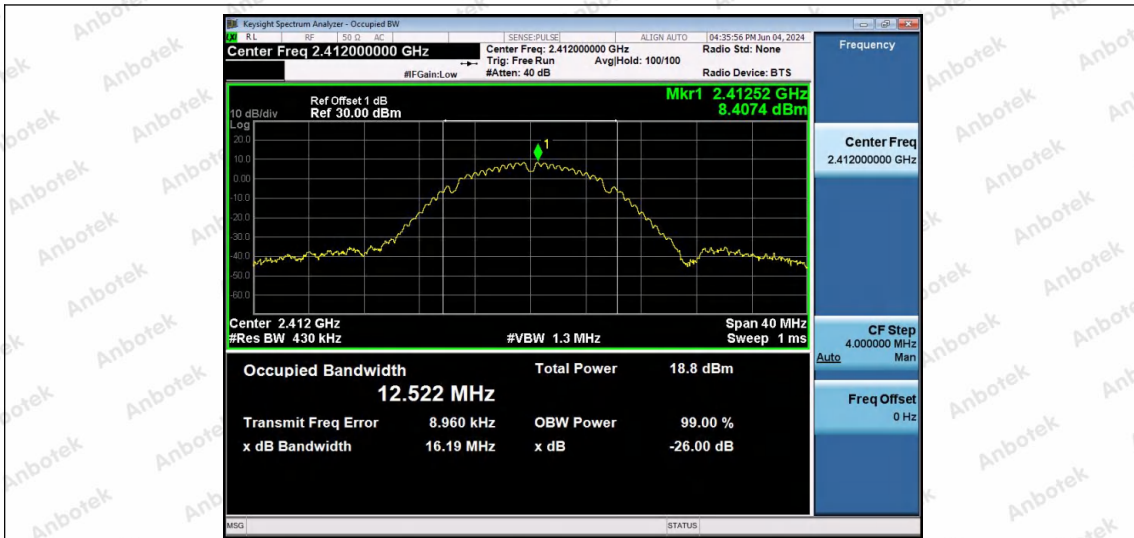
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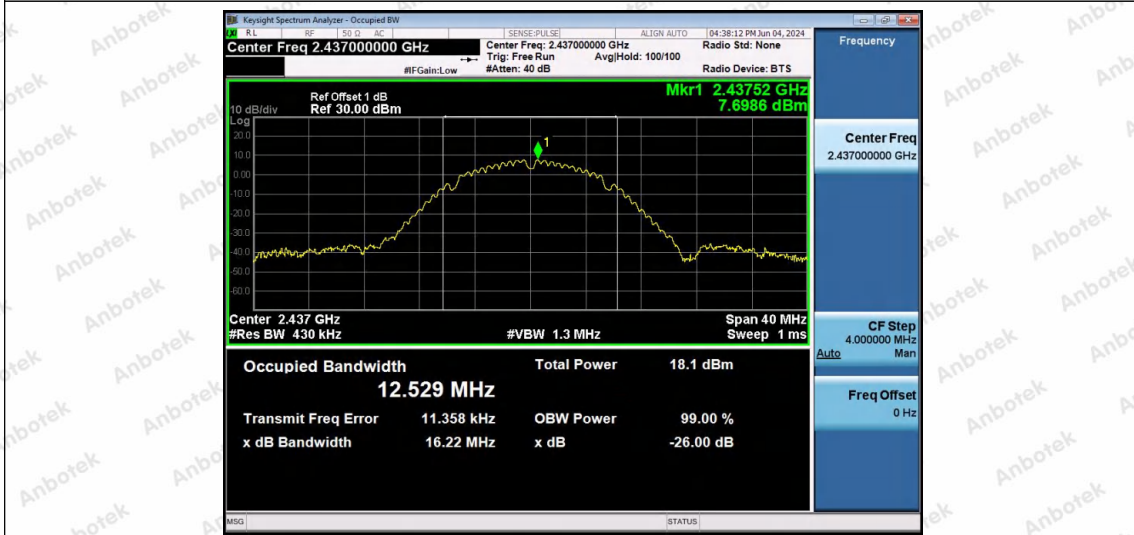
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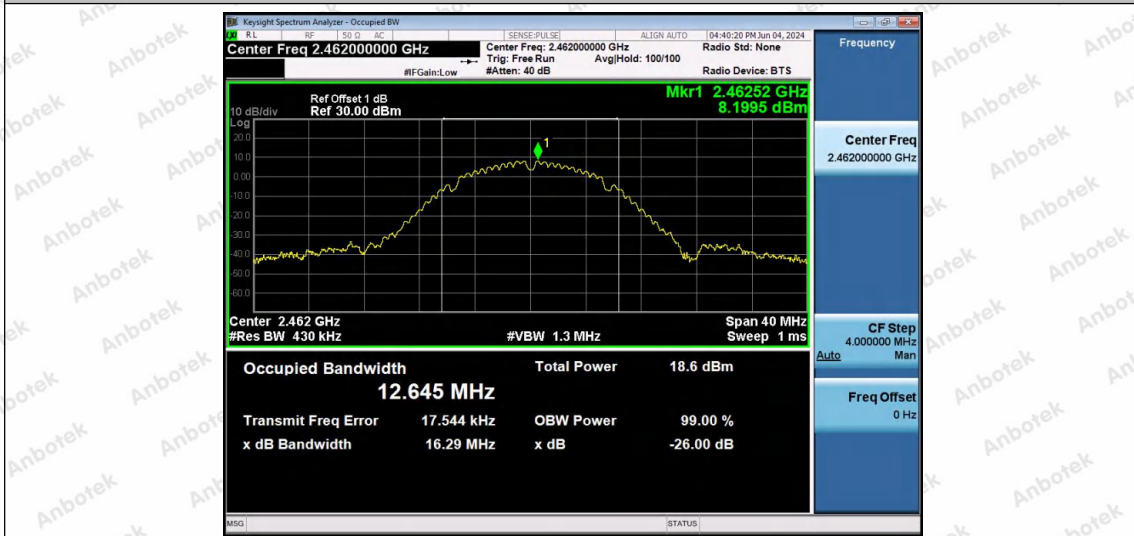
Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

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11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

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11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



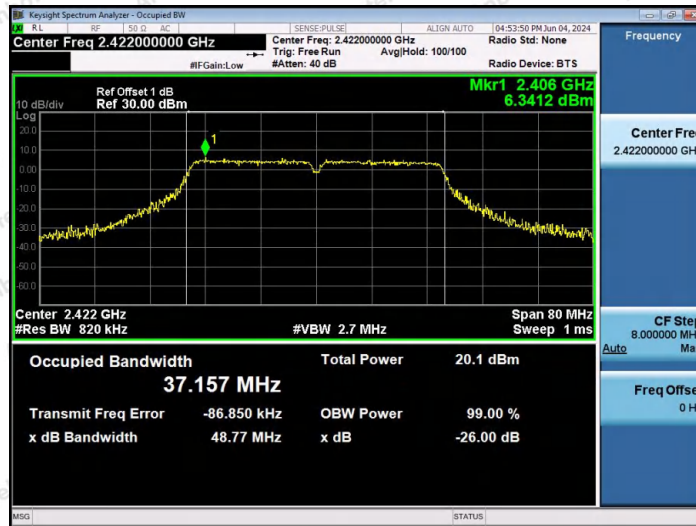
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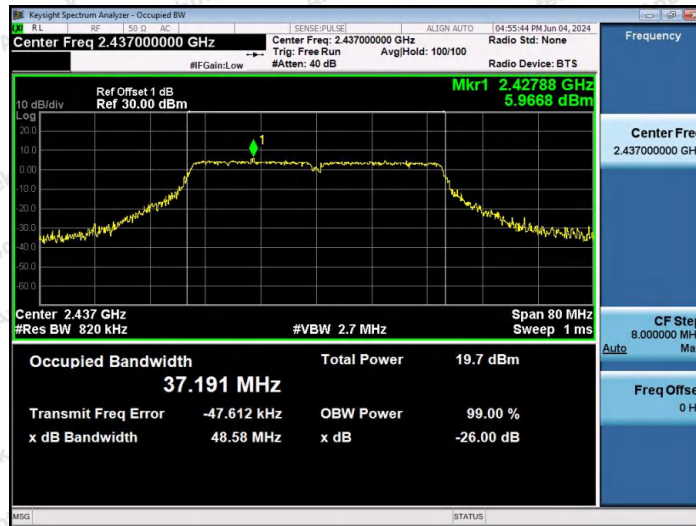
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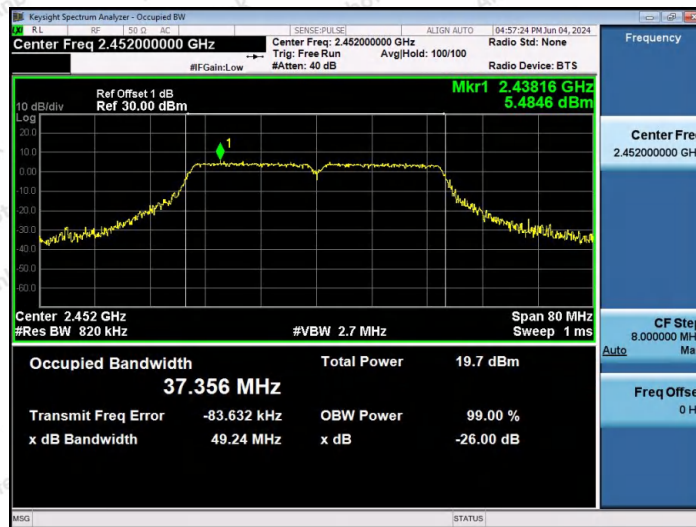




11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



11N40SISO-Ant1-2452

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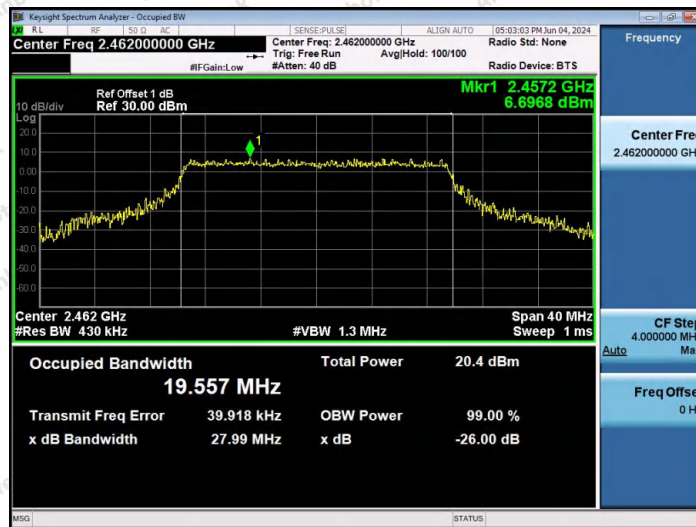




11AX20SISO-Ant1-2412



11AX20SISO-Ant1-2437



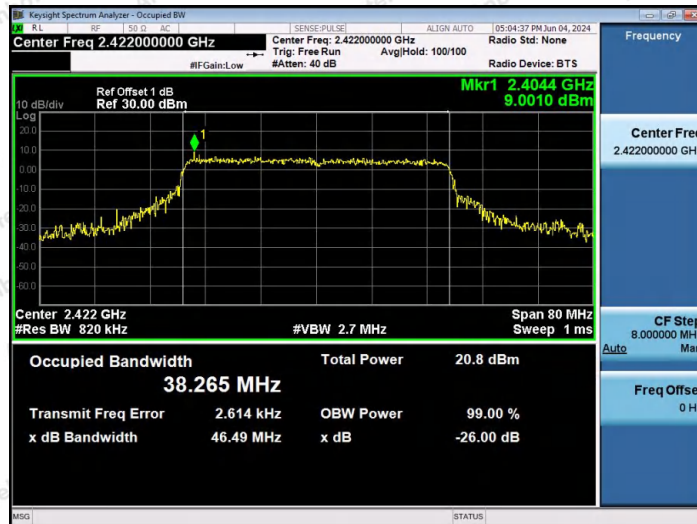
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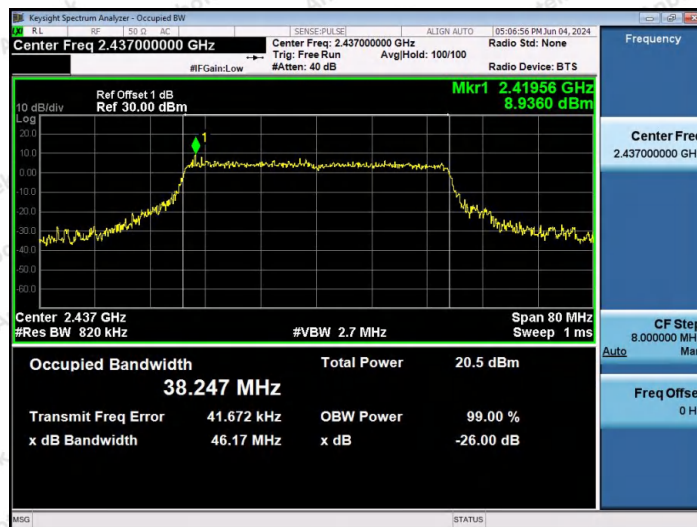
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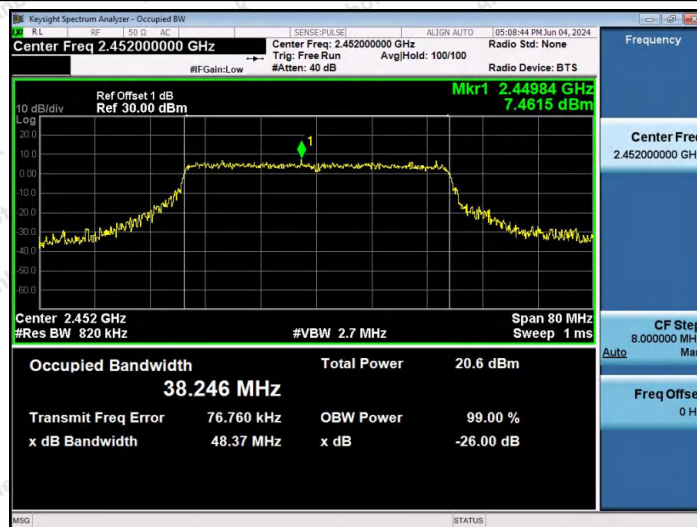




11AX40SISO-Ant1-2422



11AX40SISO-Ant1-2437



11AX40SISO-Ant1-2452

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Appendix C: Maximum output power

Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Conducted Limit [dBm]	Verdict
11B	Ant1	2412	17.30	99.43	0.02	17.32	≤30.00	PASS
11B	Ant1	2437	16.61	99.51	0.02	16.63	≤30.00	PASS
11B	Ant1	2462	17.07	100.00	0.00	17.07	≤30.00	PASS
11G	Ant1	2412	17.99	97.60	0.11	18.10	≤30.00	PASS
11G	Ant1	2437	17.34	91.86	0.37	17.71	≤30.00	PASS
11G	Ant1	2462	17.89	97.14	0.13	18.02	≤30.00	PASS
11N20SISO	Ant1	2412	18.02	94.50	0.25	18.27	≤30.00	PASS
11N20SISO	Ant1	2437	17.29	92.65	0.33	17.62	≤30.00	PASS
11N20SISO	Ant1	2462	17.87	96.45	0.16	18.03	≤30.00	PASS
11N40SISO	Ant1	2422	17.59	82.46	0.84	18.43	≤30.00	PASS
11N40SISO	Ant1	2437	17.14	82.30	0.85	17.99	≤30.00	PASS
11N40SISO	Ant1	2452	17.22	88.57	0.53	17.75	≤30.00	PASS
11AX20SISO	Ant1	2412	18.84	90.12	0.45	19.29	≤30.00	PASS
11AX20SISO	Ant1	2437	18.16	96.03	0.18	18.34	≤30.00	PASS
11AX20SISO	Ant1	2462	18.79	92.36	0.35	19.14	≤30.00	PASS
11AX40SISO	Ant1	2422	18.51	85.23	0.69	19.20	≤30.00	PASS
11AX40SISO	Ant1	2437	18.05	84.27	0.74	18.79	≤30.00	PASS
11AX40SISO	Ant1	2452	18.02	81.32	0.90	18.92	≤30.00	PASS

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

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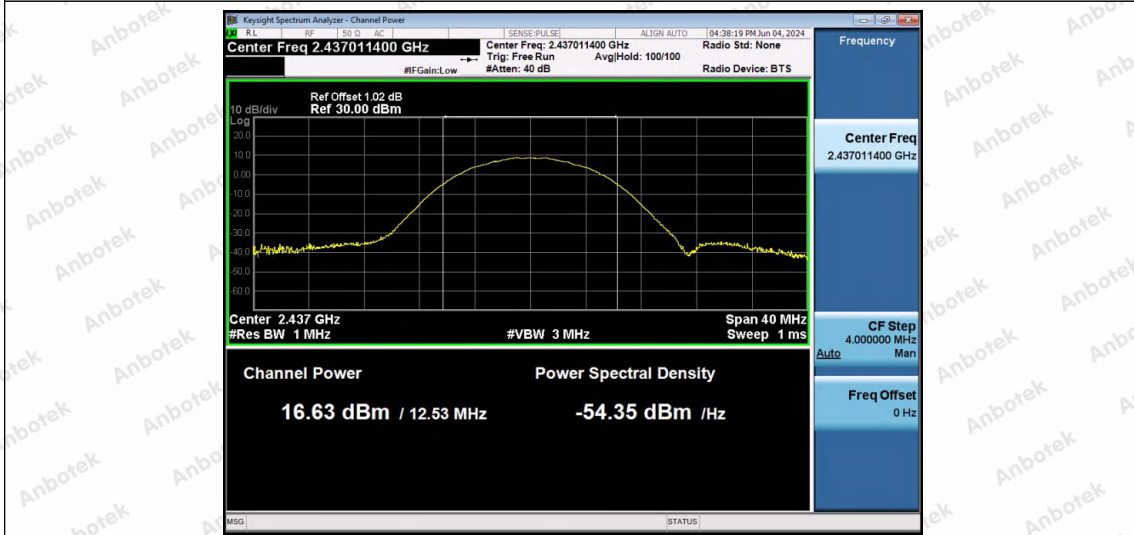
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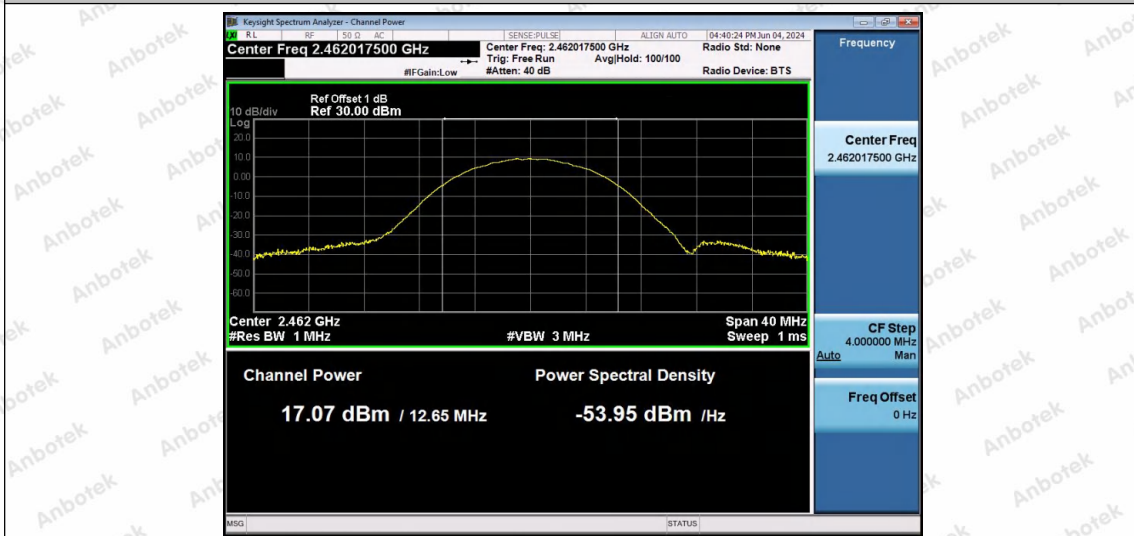
Test Graphs Average



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



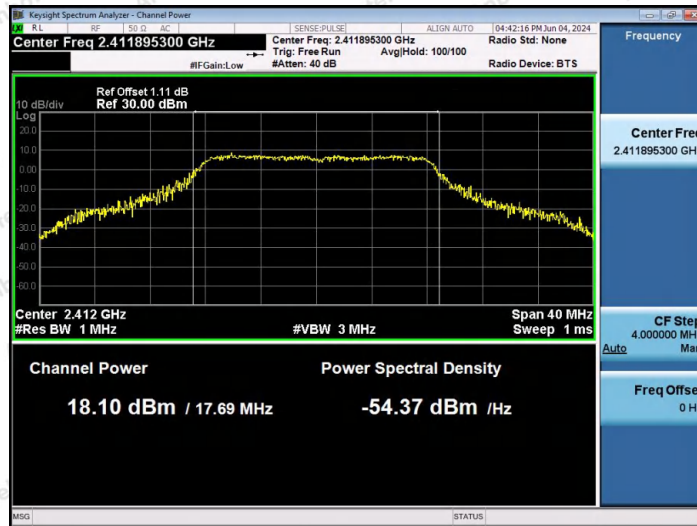
11B-Ant1-2462-PASS

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11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

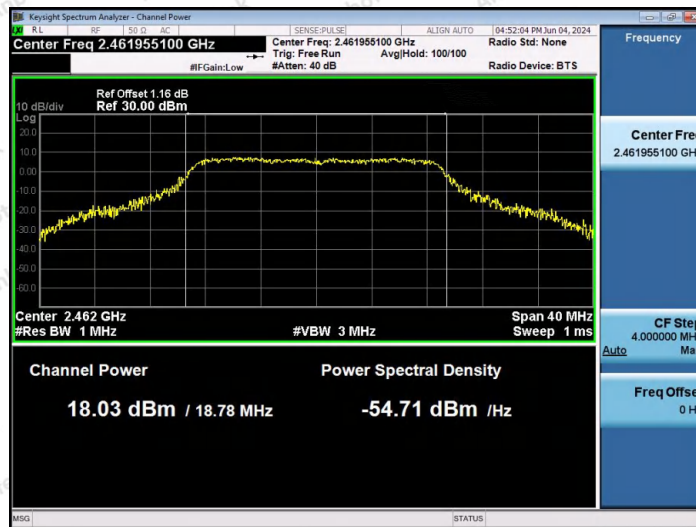




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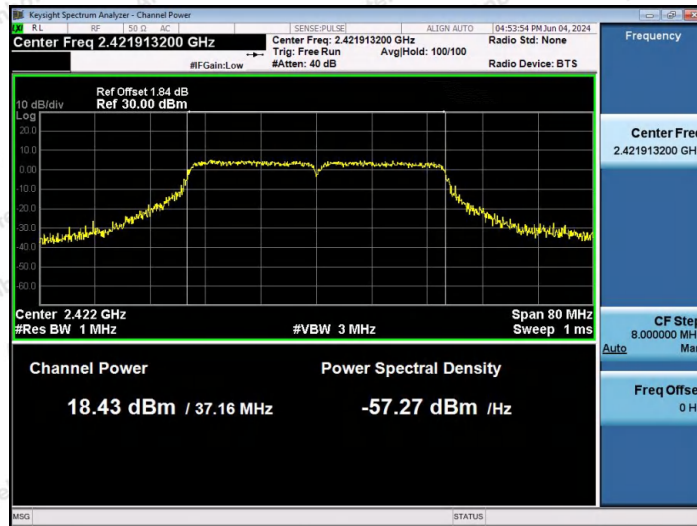
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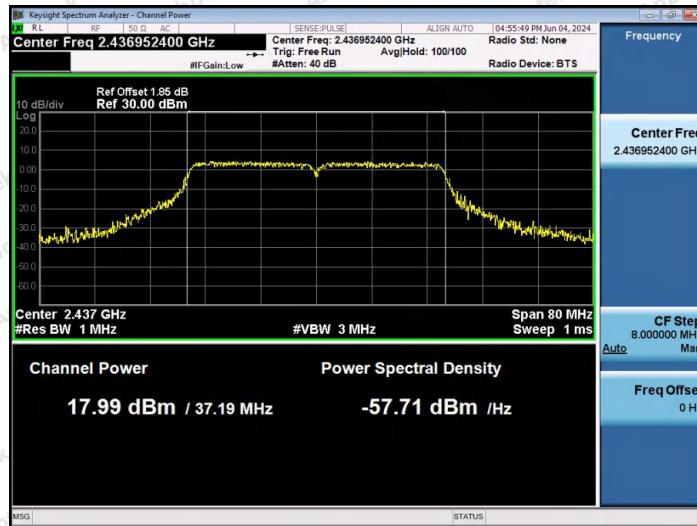
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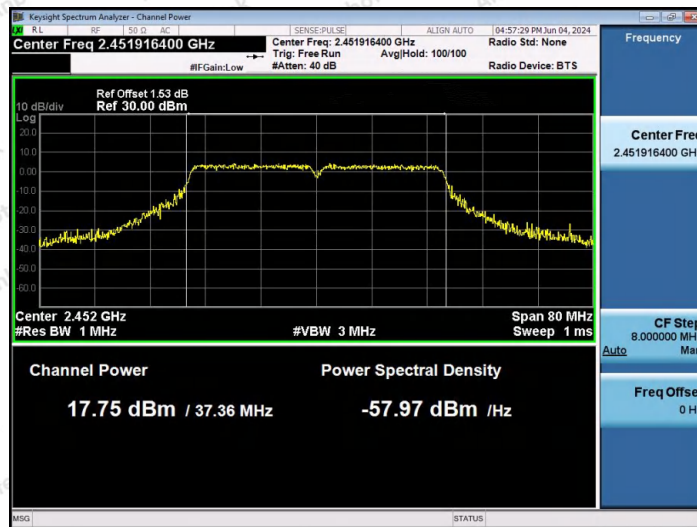




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11N40SISO-Ant1-2437-PASS



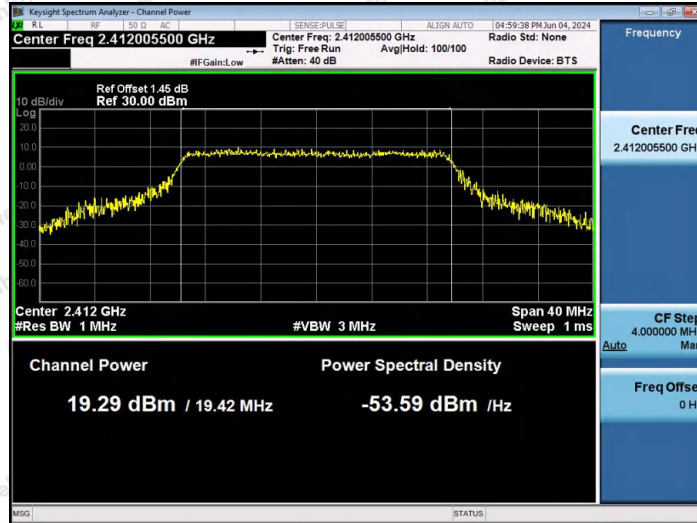
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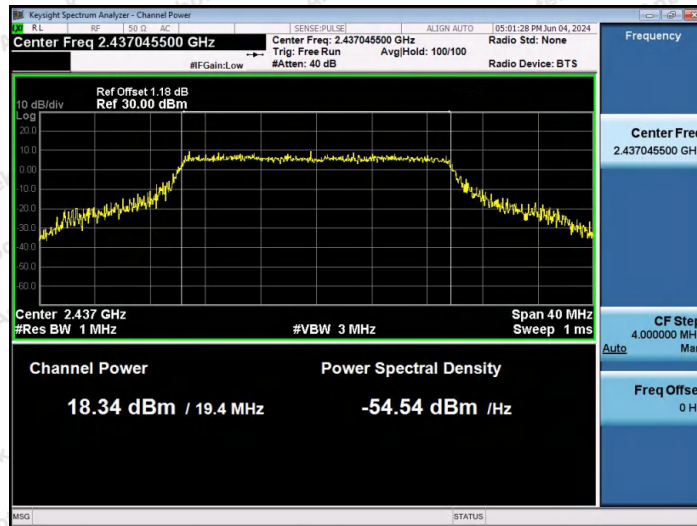
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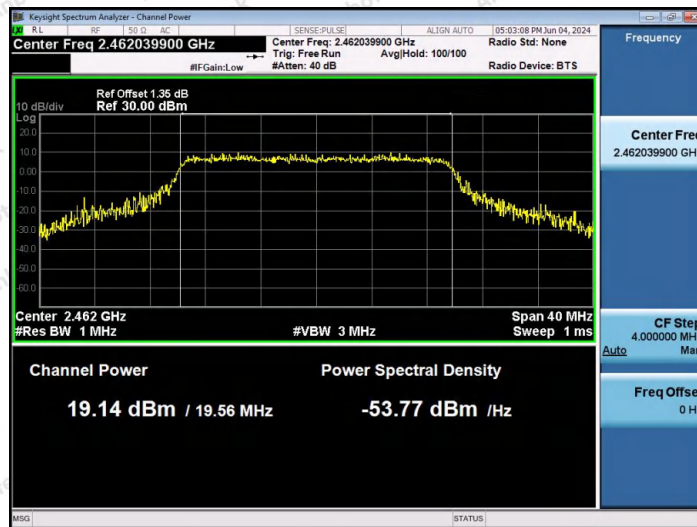




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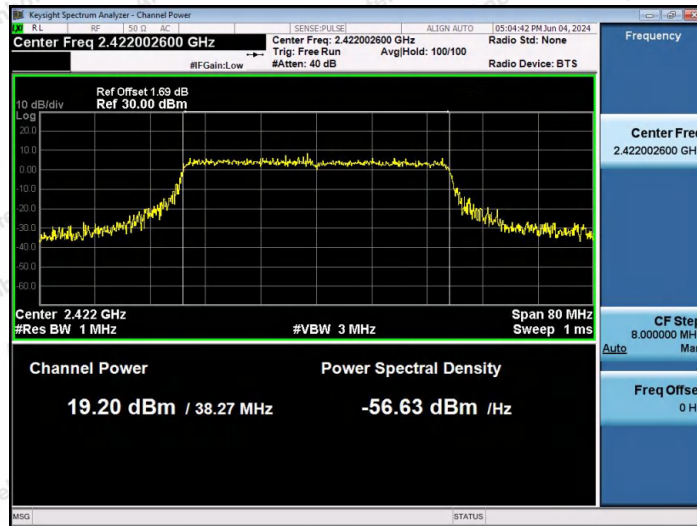


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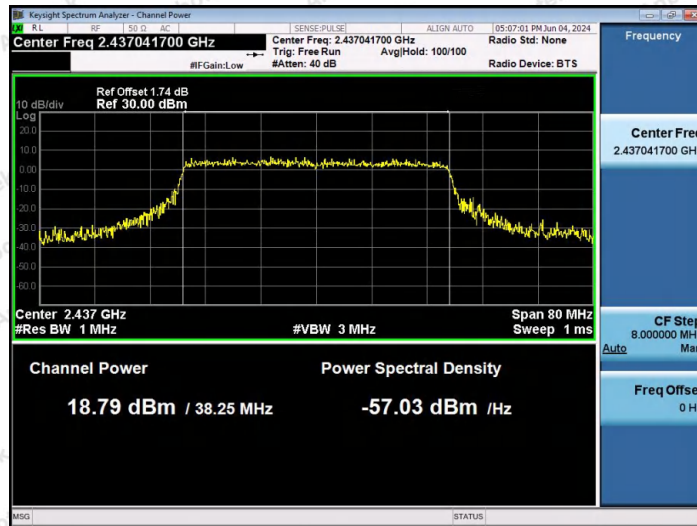


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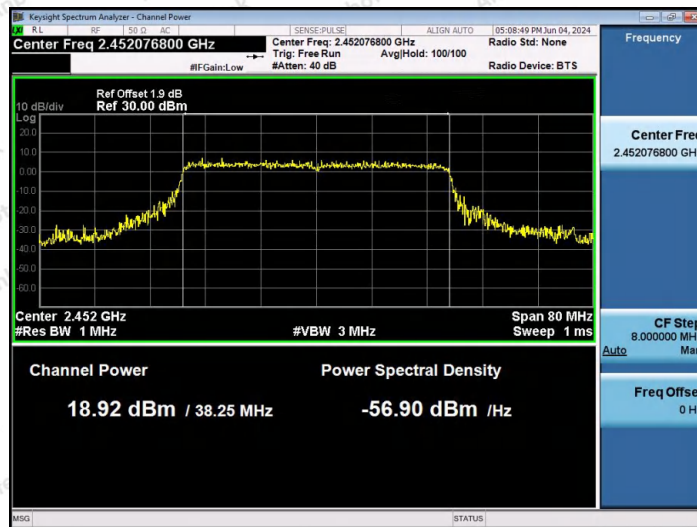




11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



11AX40SISO-Ant1-2452-PASS

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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	-5.28	-15.28	≤8.00	PASS
11B	Ant1	2437	-5.58	-15.58	≤8.00	PASS
11B	Ant1	2462	-5.11	-15.11	≤8.00	PASS
11G	Ant1	2412	-10.74	-20.74	≤8.00	PASS
11G	Ant1	2437	-11.20	-21.2	≤8.00	PASS
11G	Ant1	2462	-10.73	-20.73	≤8.00	PASS
11N20SIS O	Ant1	2412	-10.93	-20.93	≤8.00	PASS
11N20SIS O	Ant1	2437	-11.22	-21.22	≤8.00	PASS
11N20SIS O	Ant1	2462	-11.19	-21.19	≤8.00	PASS
11N40SIS O	Ant1	2422	-13.77	-23.77	≤8.00	PASS
11N40SIS O	Ant1	2437	-14.30	-24.3	≤8.00	PASS
11N40SIS O	Ant1	2452	-14.55	-24.55	≤8.00	PASS
11AX20SI SO	Ant1	2412	-12.17	-22.17	≤8.00	PASS
11AX20SI SO	Ant1	2437	-12.74	-22.74	≤8.00	PASS
11AX20SI SO	Ant1	2462	-12.41	-22.41	≤8.00	PASS
11AX40SI SO	Ant1	2422	-15.23	-25.23	≤8.00	PASS
11AX40SI SO	Ant1	2437	-15.24	-25.24	≤8.00	PASS
11AX40SI SO	Ant1	2452	-15.22	-25.22	≤8.00	PASS

Note:

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

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Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



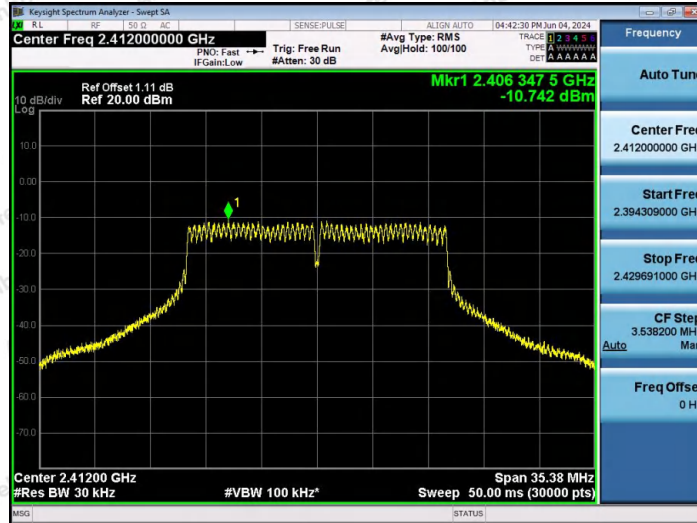
11B-Ant1-2462-PASS

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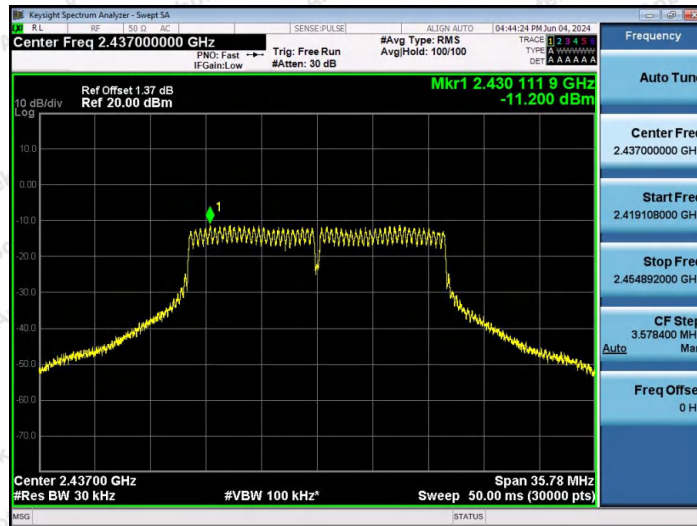
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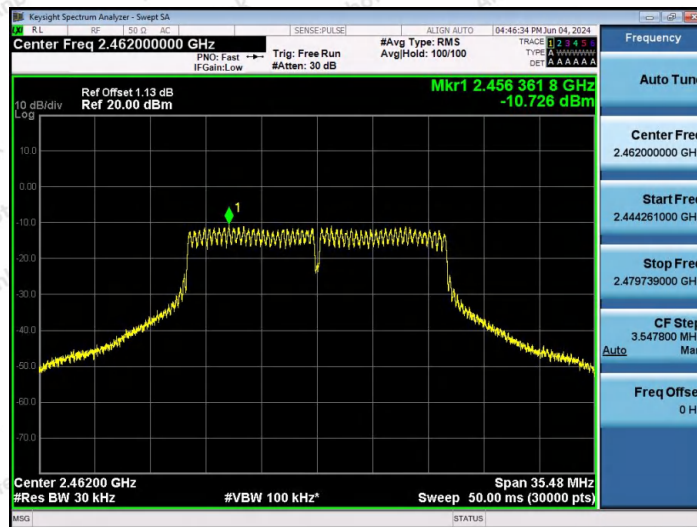




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



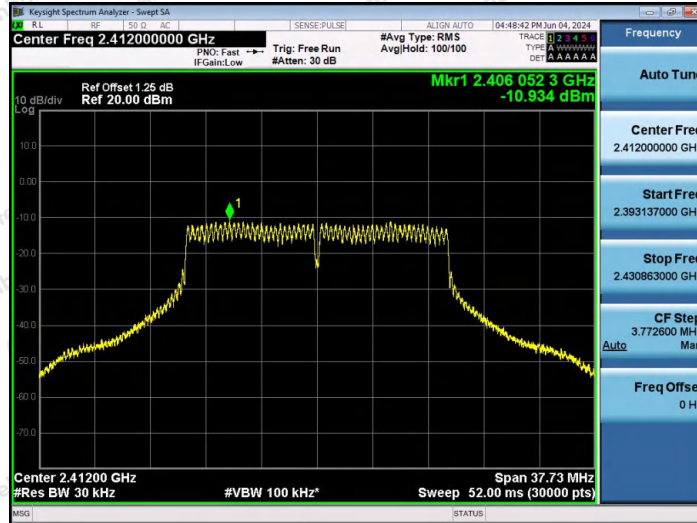
11G-Ant1-2462-PASS

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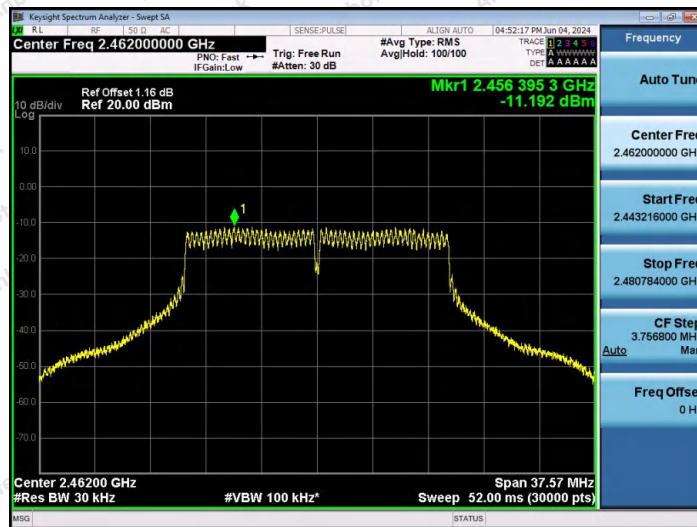




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



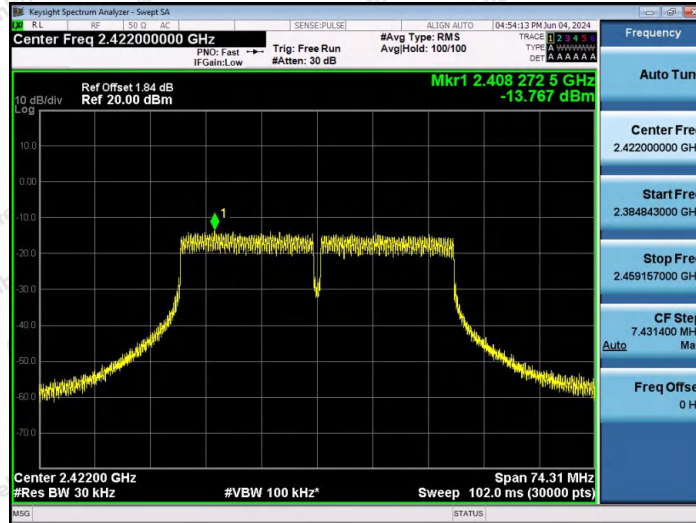
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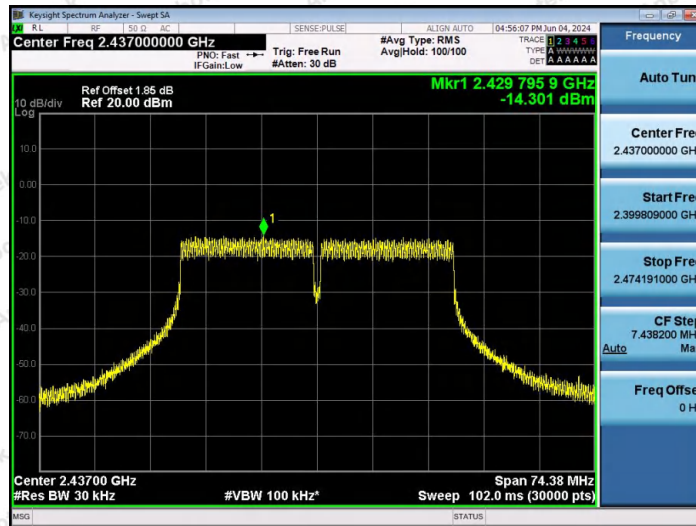
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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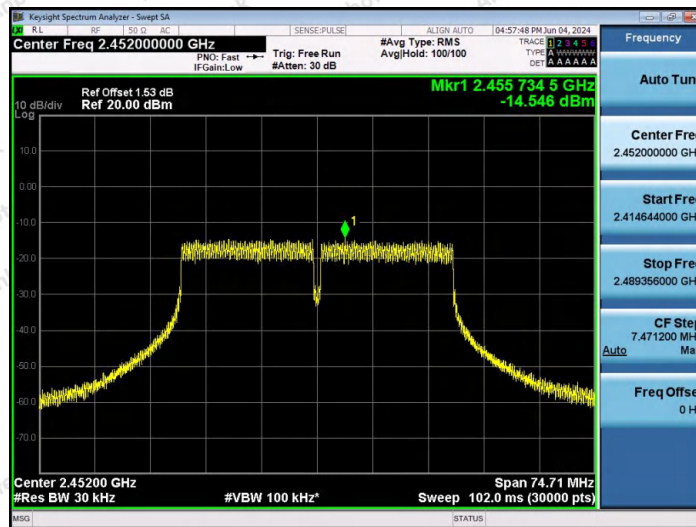




11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS



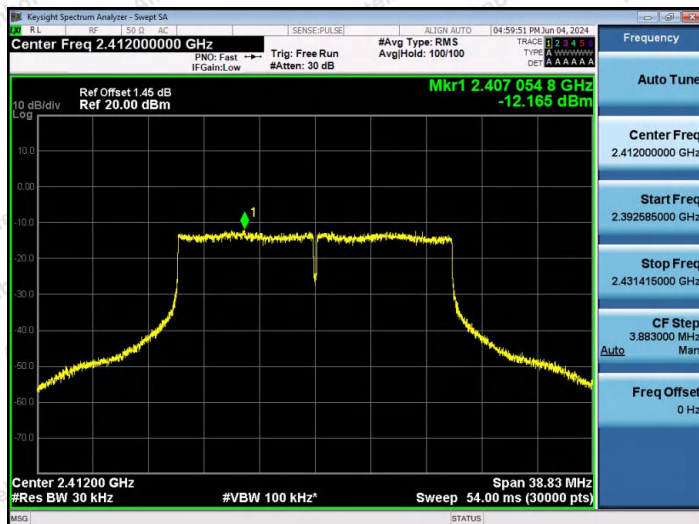
11N40SISO-Ant1-2452-PASS

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11AX20SISO-Ant1-2412-PASS



11AX20SISO-Ant1-2437-PASS



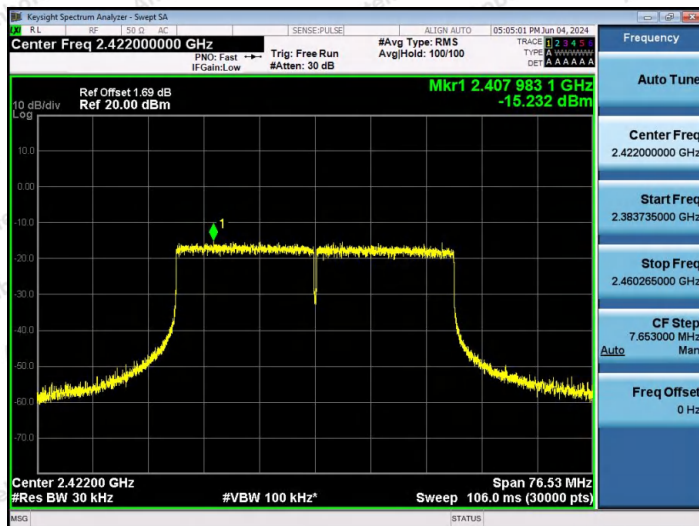
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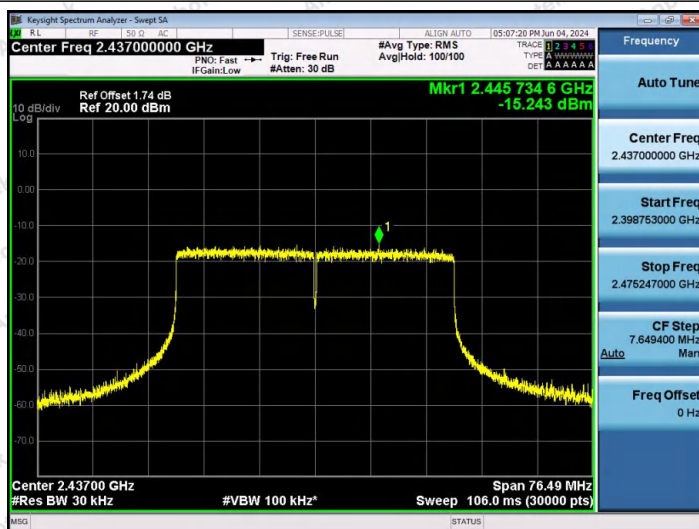
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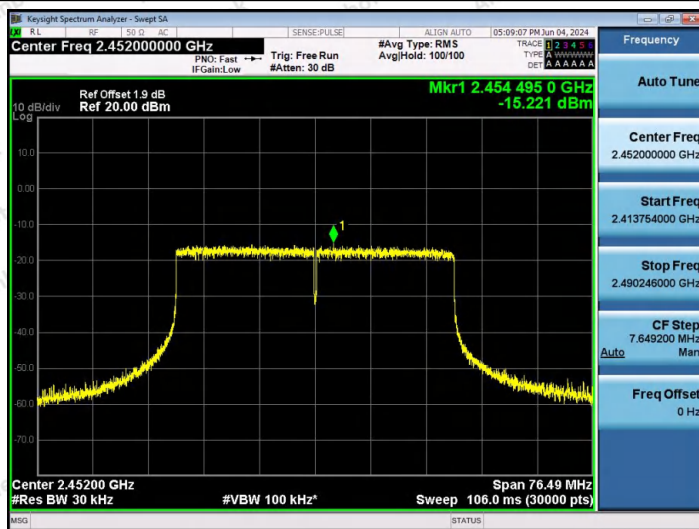




11AX40SISO-Ant1-2422-PASS



11AX40SISO-Ant1-2437-PASS



11AX40SISO-Ant1-2452-PASS

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