

Appendix Test Data

Report No.:	18220WC40009902	Test Sample No.:	1-2-2
Start Test Date:	2024.2.4	Finish Test Date:	2024.2.5
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.8℃	Relative Humidity:	42%
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	7.040	2408.480	2415.520	0.5	PASS
		2437	7.040	2433.480	2440.520	0.5	PASS
		2462	8.120	2457.960	2466.080	0.5	PASS
11G	Ant1	2412	16.600	2403.680	2420.280	0.5	PASS
		2437	16.400	2428.800	2445.200	0.5	PASS
		2462	16.400	2453.760	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.720	2403.160	2420.880	0.5	PASS
		2437	17.680	2428.120	2445.800	0.5	PASS
		2462	17.640	2453.160	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.160	2403.840	2440.000	0.5	PASS
		2437	36.400	2418.760	2455.160	0.5	PASS
		2452	36.320	2433.840	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	19.000	2402.480	2421.480	0.5	PASS
		2437	19.080	2427.400	2446.480	0.5	PASS
		2462	19.000	2452.480	2471.480	0.5	PASS
11AX40SISO	Ant1	2422	37.920	2402.960	2440.880	0.5	PASS
		2437	38.000	2417.960	2455.960	0.5	PASS
		2452	38.000	2432.960	2470.960	0.5	PASS



Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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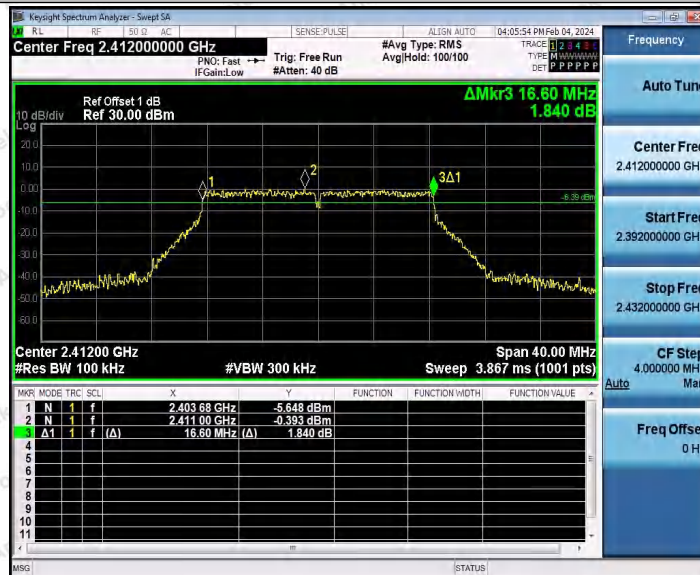
400-003-0500

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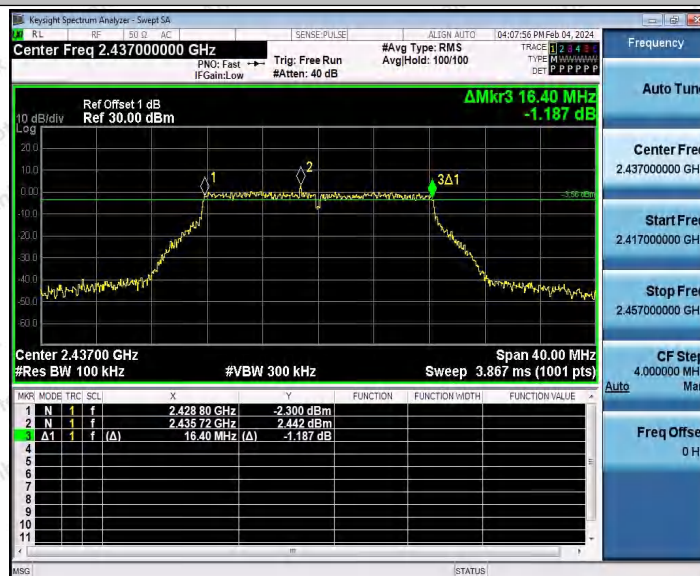




11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

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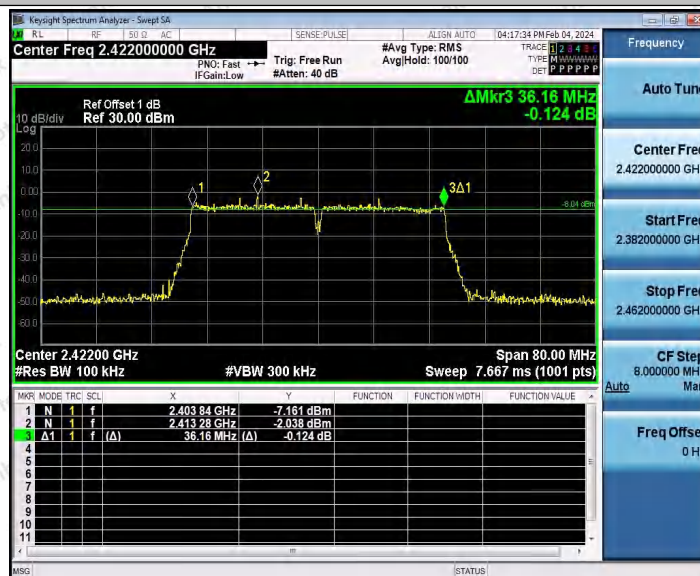




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



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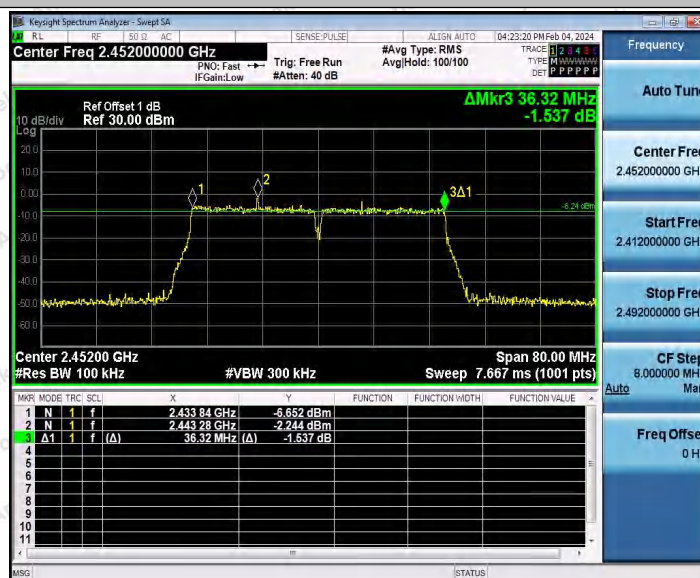
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

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11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



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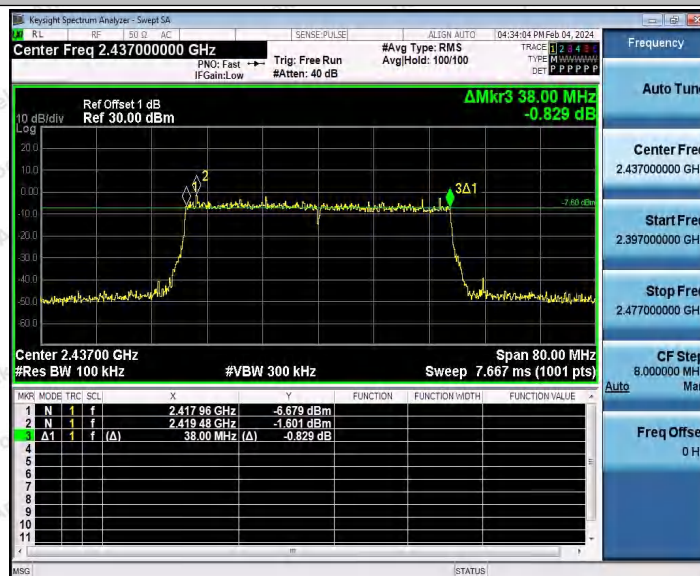
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11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

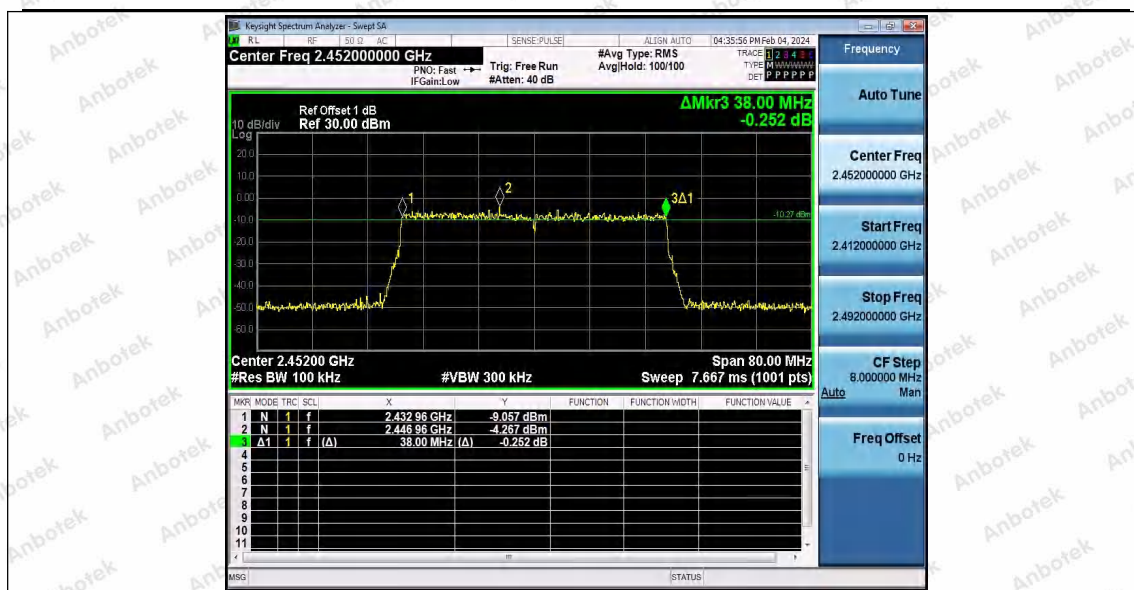
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.095	2405.9986	2418.0936	---	---
		2437	12.096	2430.9564	2443.0524	---	---
		2462	12.105	2455.9894	2468.0944	---	---
11G	Ant1	2412	17.332	2403.3732	2420.7052	---	---
		2437	17.431	2428.2480	2445.6790	---	---
		2462	17.465	2453.2214	2470.6864	---	---
11N20SISO	Ant1	2412	18.338	2402.8496	2421.1876	---	---
		2437	18.351	2427.7883	2446.1393	---	---
		2462	18.419	2452.7880	2471.2070	---	---
11N40SISO	Ant1	2422	36.551	2403.7321	2440.2831	---	---
		2437	36.522	2418.7427	2455.2647	---	---
		2452	36.722	2433.6081	2470.3301	---	---
11AX20SISO	Ant1	2412	19.293	2402.3656	2421.6586	---	---
		2437	19.241	2427.3648	2446.6058	---	---
		2462	19.263	2452.3924	2471.6554	---	---
11AX40SISO	Ant1	2422	37.956	2403.0202	2440.9762	---	---
		2437	37.891	2418.0665	2455.9575	---	---
		2452	38.000	2433.0090	2471.0090	---	---



Test Graphs



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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

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11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



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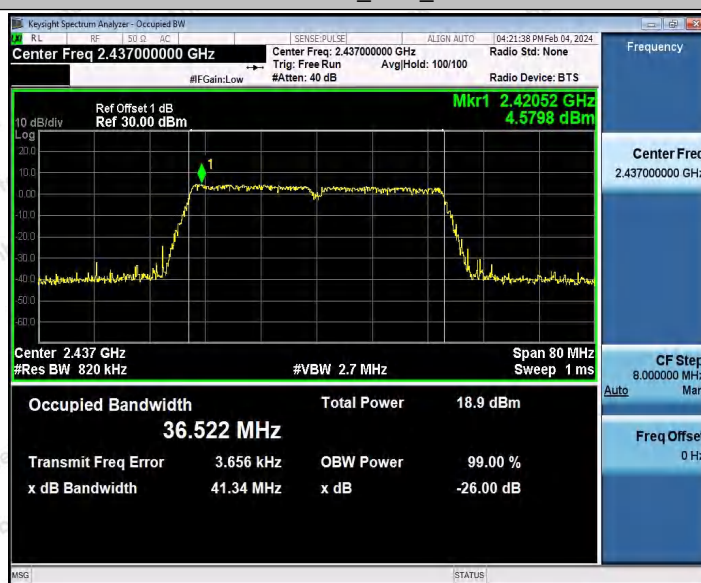
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

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11AX20SISO_Ant1_2437



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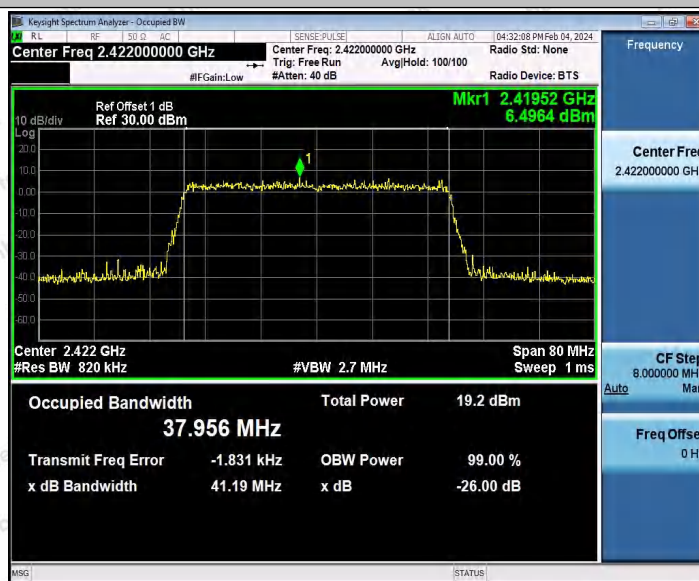
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11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

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Appendix C: Maximum conducted output power

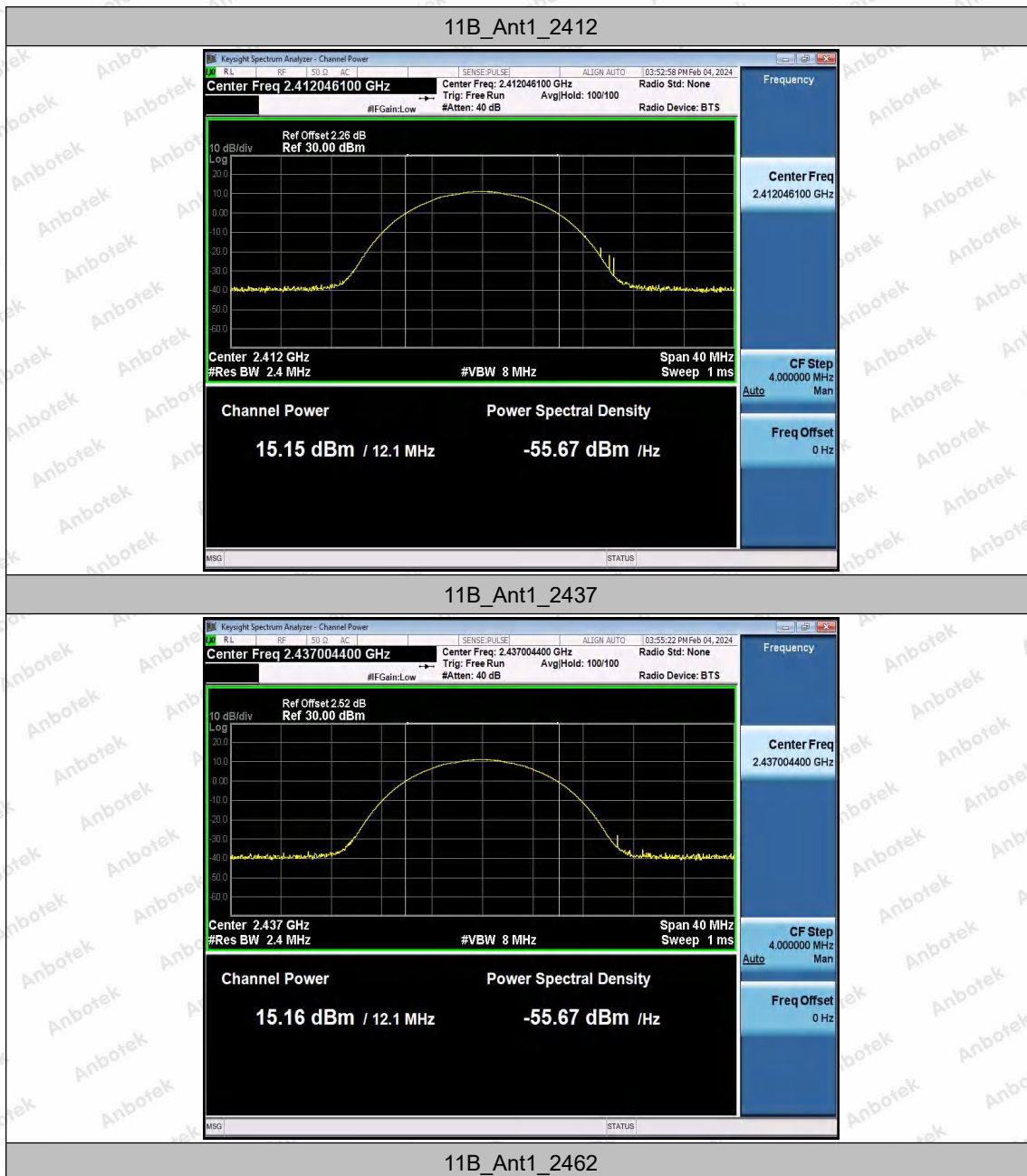
Test Result

TestMode	Antenna	Frequency[MHz]	Average Output Power[dBm]	Conducted Limit[dBm]
11B	Ant1	2412	15.15	≤30.00
		2437	15.16	≤30.00
		2462	14.54	≤30.00
11G	Ant1	2412	17.60	≤30.00
		2437	18.00	≤30.00
		2462	17.07	≤30.00
11N20SISO	Ant1	2412	15.80	≤30.00
		2437	16.05	≤30.00
		2462	16.21	≤30.00
11N40SISO	Ant1	2422	15.27	≤30.00
		2437	15.93	≤30.00
		2452	15.44	≤30.00
11AX20SISO	Ant1	2412	16.67	≤30.00
		2437	16.93	≤30.00
		2462	17.06	≤30.00
11AX40SISO	Ant1	2422	15.91	≤30.00
		2437	18.91	≤30.00
		2452	14.85	≤30.00

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



Test Graphs



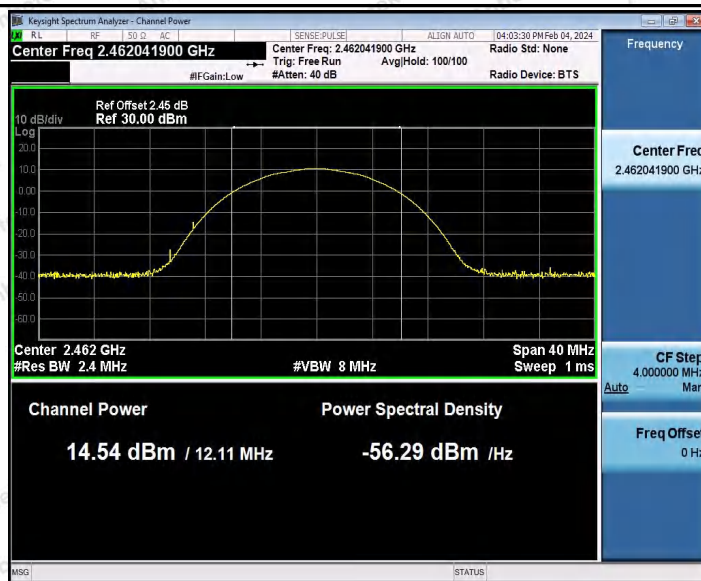
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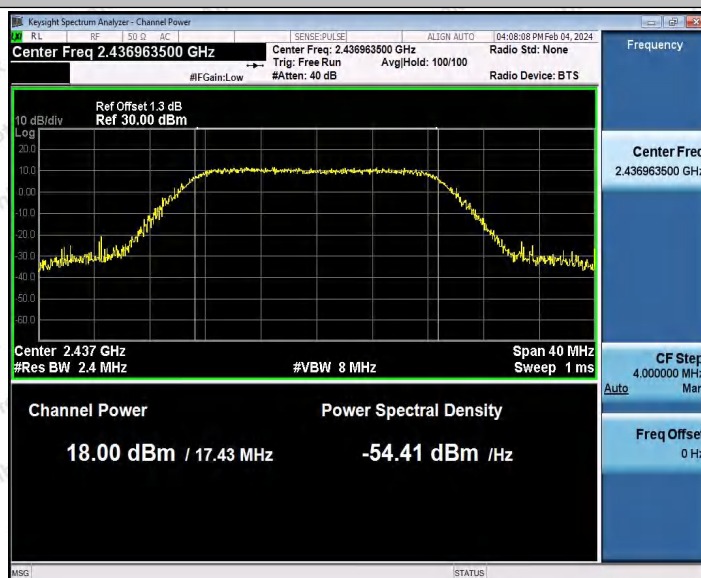




11G_Ant1_2412



11G_Ant1_2437



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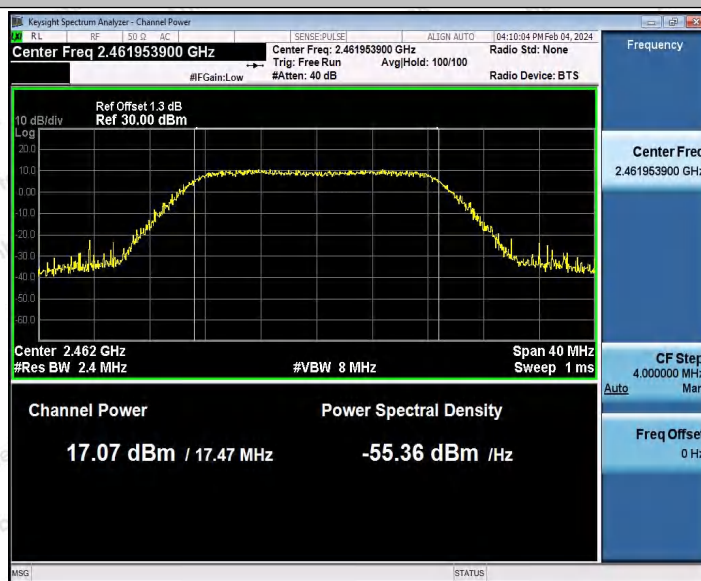
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11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437

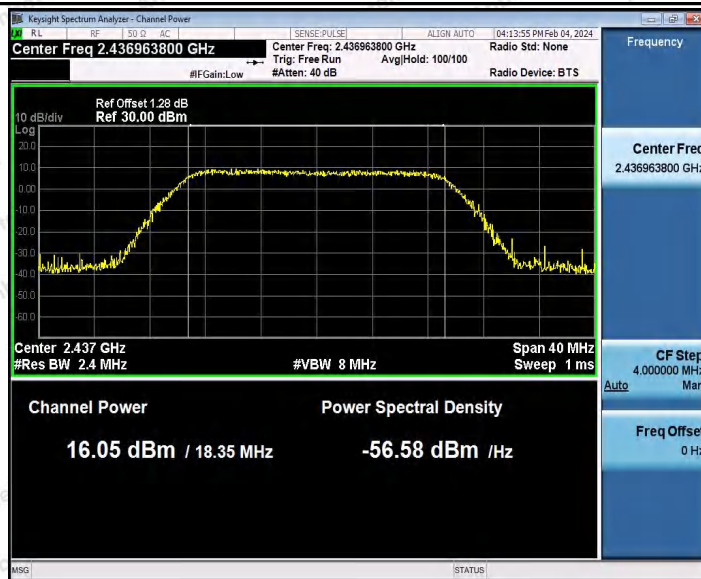
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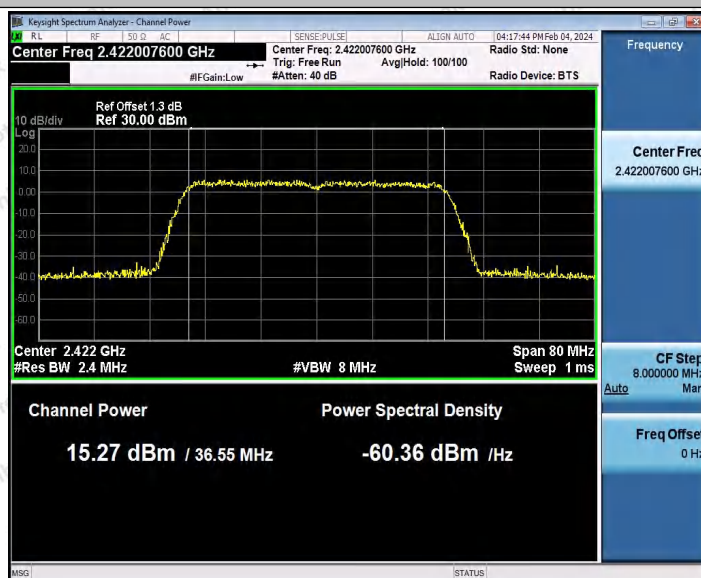




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



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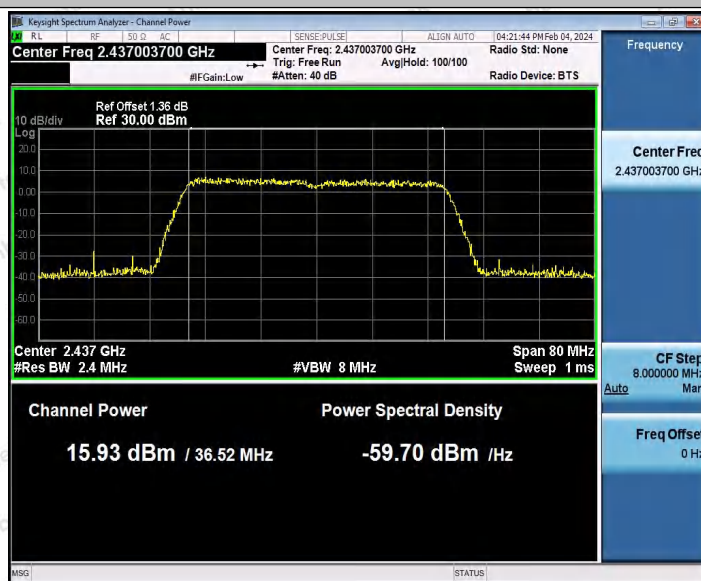
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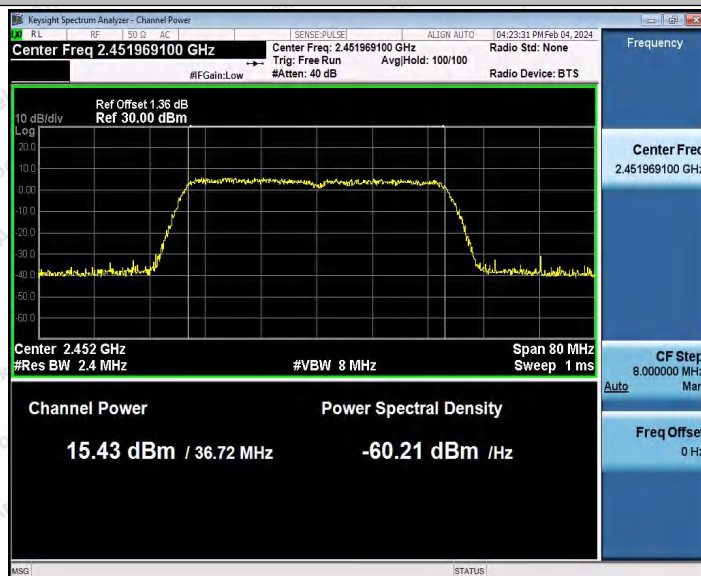
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

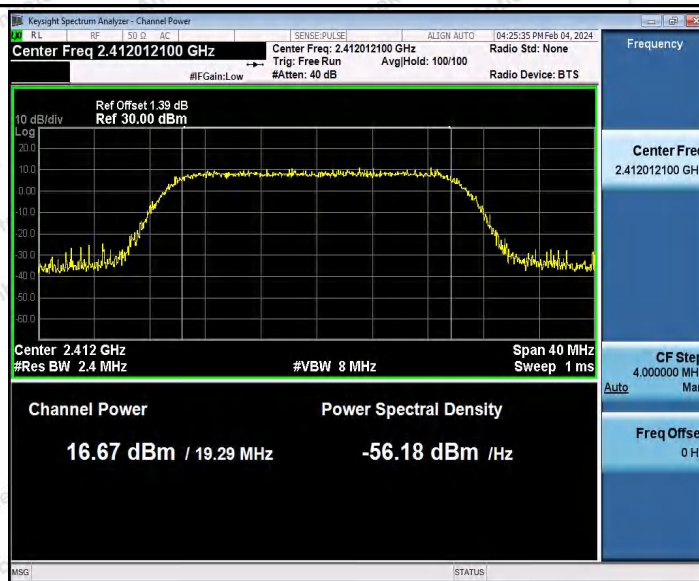
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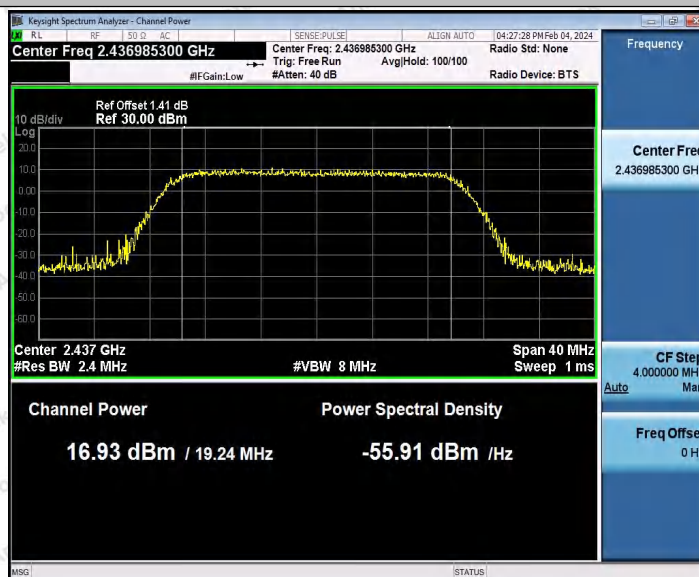


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11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



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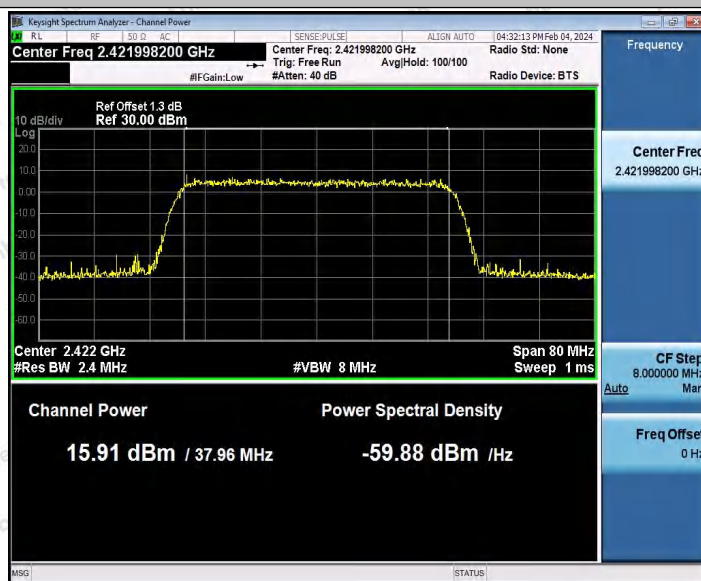
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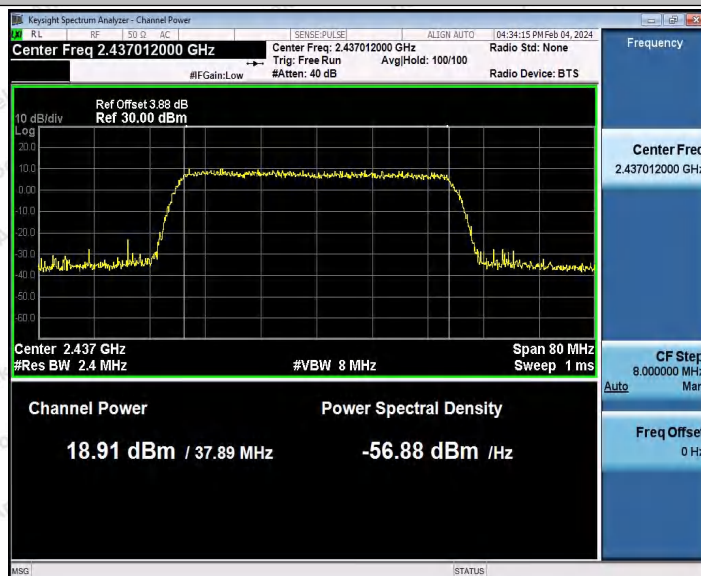
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11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

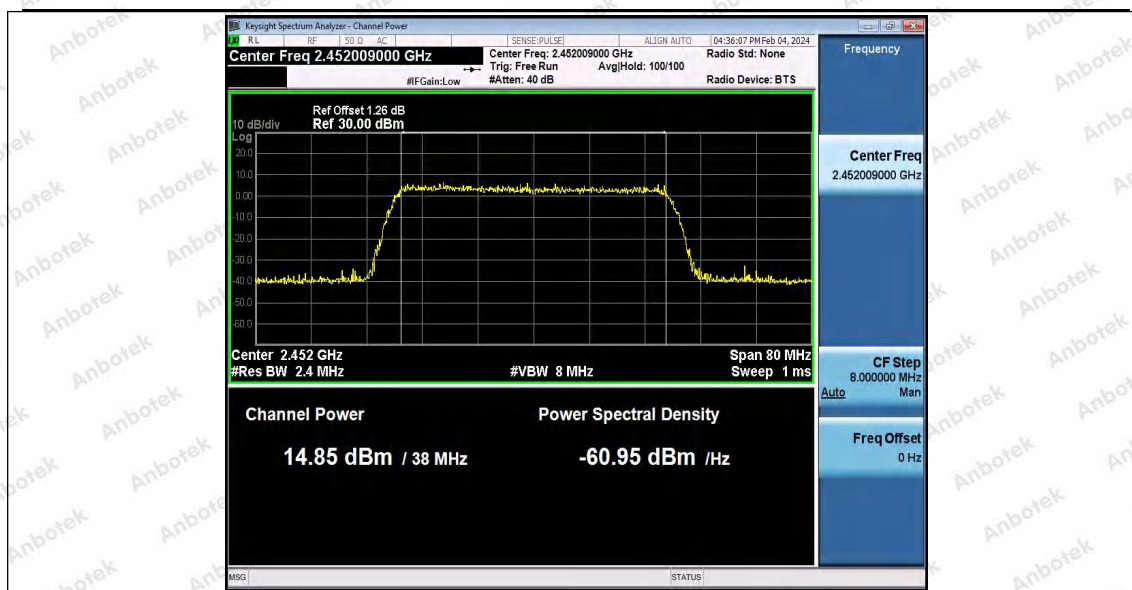
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Appendix D: Maximum power spectral density

Test Result

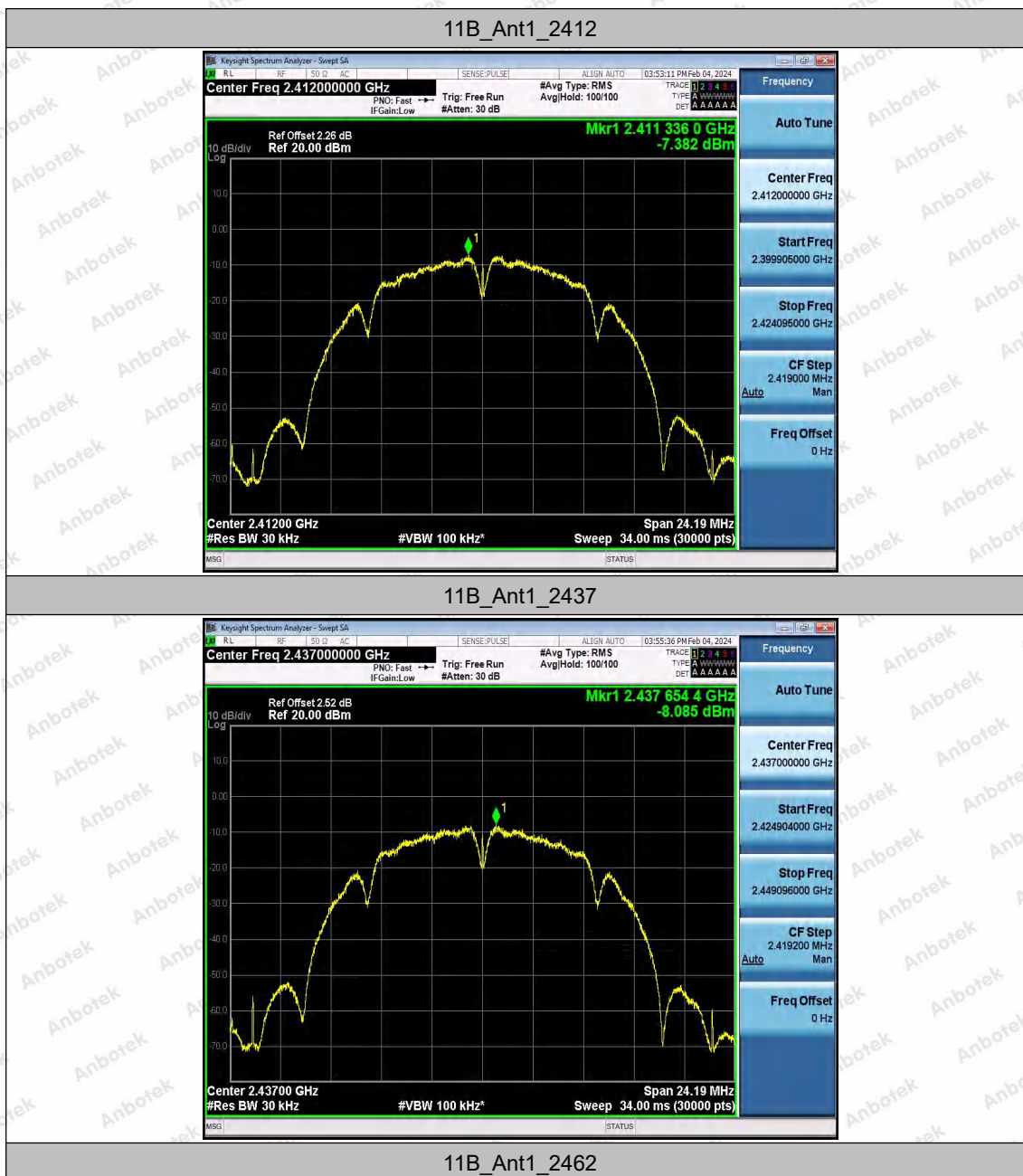
TestMode	Antenna	Frequency [MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.38	-17.38	≤8.00	PASS
		2437	-8.09	-18.09	≤8.00	PASS
		2462	-8.41	-18.41	≤8.00	PASS
11G	Ant1	2412	-12.13	-22.13	≤8.00	PASS
		2437	-11.65	-21.65	≤8.00	PASS
		2462	-12.02	-22.02	≤8.00	PASS
11N20SISO	Ant1	2412	-13.74	-23.74	≤8.00	PASS
		2437	-13.93	-23.93	≤8.00	PASS
		2462	-13.52	-23.52	≤8.00	PASS
11N40SISO	Ant1	2422	-18.00	-28.00	≤8.00	PASS
		2437	-16.83	-26.83	≤8.00	PASS
		2452	-17.76	-27.76	≤8.00	PASS
11AX20SISO	Ant1	2412	-15.69	-25.69	≤8.00	PASS
		2437	-15.42	-25.42	≤8.00	PASS
		2462	-14.72	-24.72	≤8.00	PASS
11AX40SISO	Ant1	2422	-19.70	-29.70	≤8.00	PASS
		2437	-15.98	-25.98	≤8.00	PASS
		2452	-20.26	-30.26	≤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



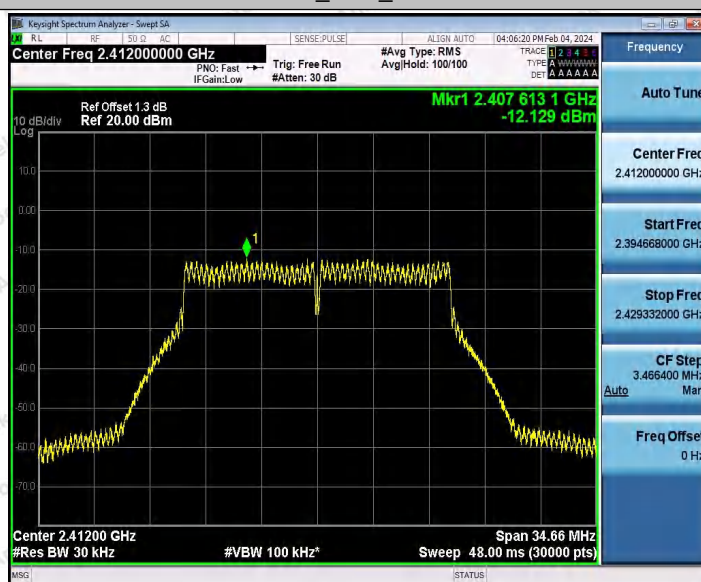
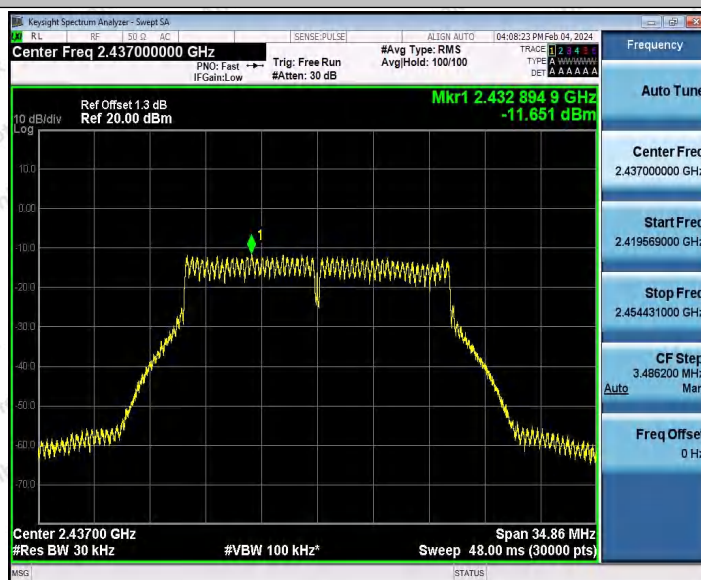
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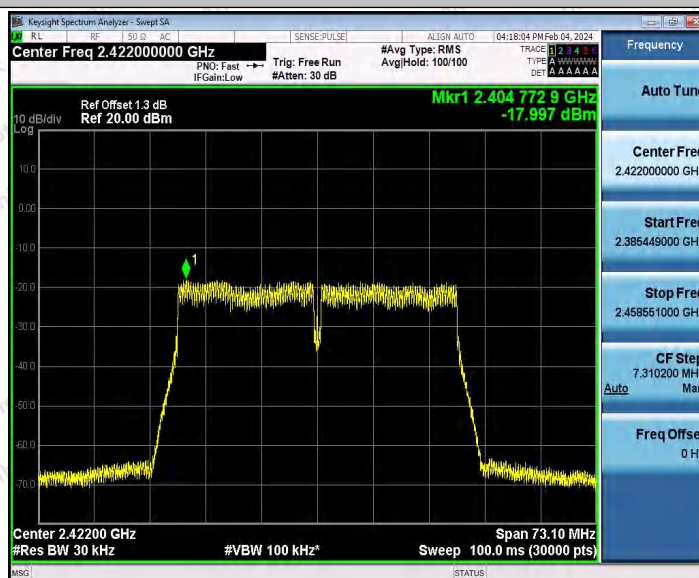




11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



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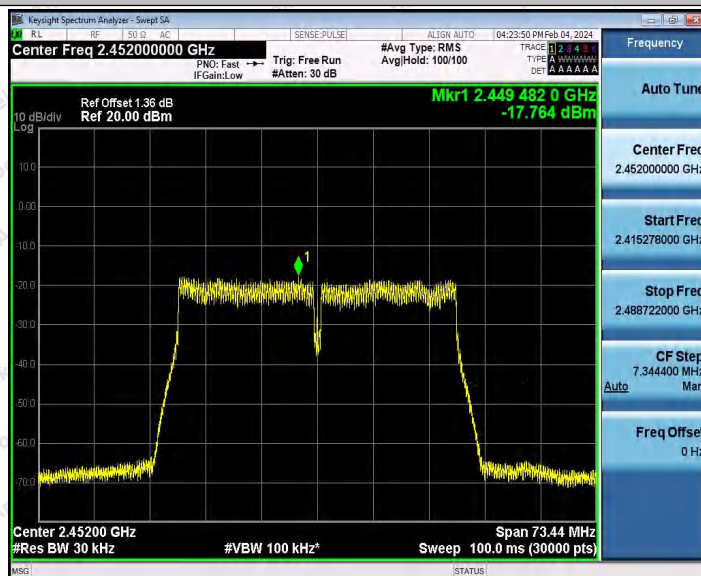
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11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412

Shenzhen Anbotek Compliance Laboratory Limited

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



Hotline
400-003-0500
www.anbotek.com.cn





11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



Shenzhen Anbotek Compliance Laboratory Limited

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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452

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Appendix E: Band edge measurements

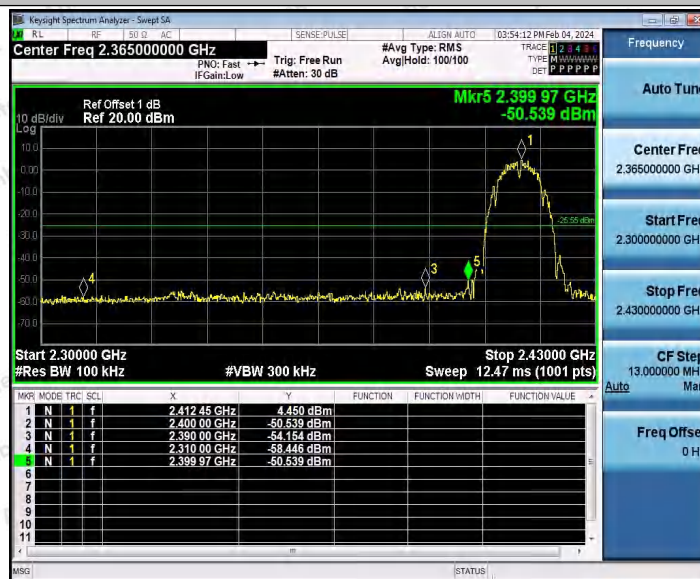
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.45	-50.54	≤-25.55	PASS
		High	2462	4.17	-55.07	≤-25.83	PASS
11G	Ant1	Low	2412	2.54	-36.24	≤-27.46	PASS
		High	2462	-0.15	-49.37	≤-30.15	PASS
11N20SISO	Ant1	Low	2412	-0.29	-38.21	≤-30.29	PASS
		High	2462	-2.24	-47.99	≤-32.24	PASS
11N40SISO	Ant1	Low	2422	-3.38	-47.85	≤-33.38	PASS
		High	2452	-2.77	-48.92	≤-32.77	PASS
11AX20SISO	Ant1	Low	2412	-1.15	-38.77	≤-31.15	PASS
		High	2462	-1.21	-47.39	≤-31.21	PASS
11AX40SISO	Ant1	Low	2422	-4.48	-42.34	≤-34.48	PASS
		High	2452	-4.62	-51.06	≤-34.62	PASS

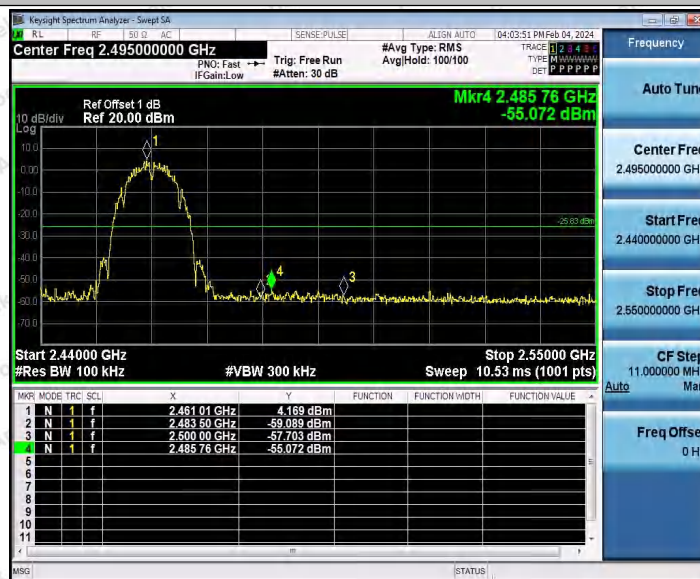


Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412

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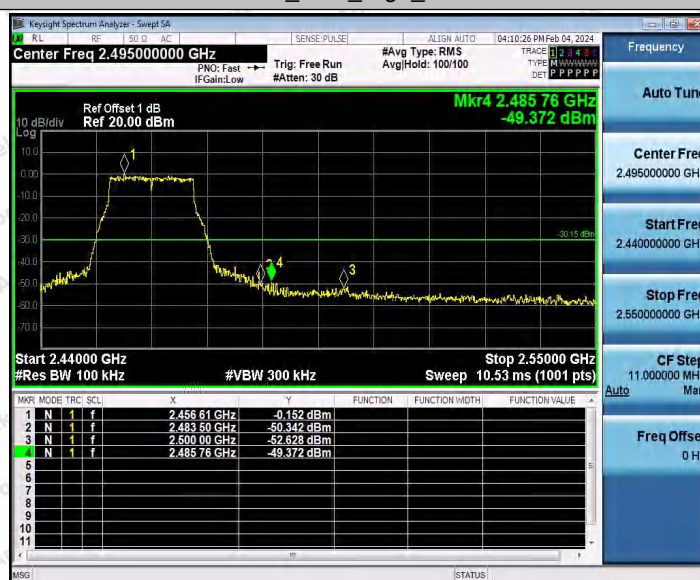
400-003-0500

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11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452

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