

Appendix Test Data

Report No.:	1819C40042412501	Test Sample No.:	1-2-2
Start Test Date:	2024.09.14	Finish Test Date:	2024.09.14
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	23.4℃	Relative Humidity:	54%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11b	Ant1	2412	10.080	2407.000	2417.080	0.5	PASS
802.11b	Ant1	2437	10.120	2431.960	2442.080	0.5	PASS
802.11b	Ant1	2462	10.080	2457.000	2467.080	0.5	PASS
802.11g	Ant1	2412	15.920	2404.080	2420.000	0.5	PASS
802.11g	Ant1	2437	15.520	2429.240	2444.760	0.5	PASS
802.11g	Ant1	2462	15.800	2454.160	2469.960	0.5	PASS
802.11n(HT20) SISO	Ant1	2412	16.920	2403.680	2420.600	0.5	PASS
802.11n(HT20) SISO	Ant1	2437	16.880	2428.600	2445.480	0.5	PASS
802.11n(HT20) SISO	Ant1	2462	16.680	2453.560	2470.240	0.5	PASS



Test Graphs

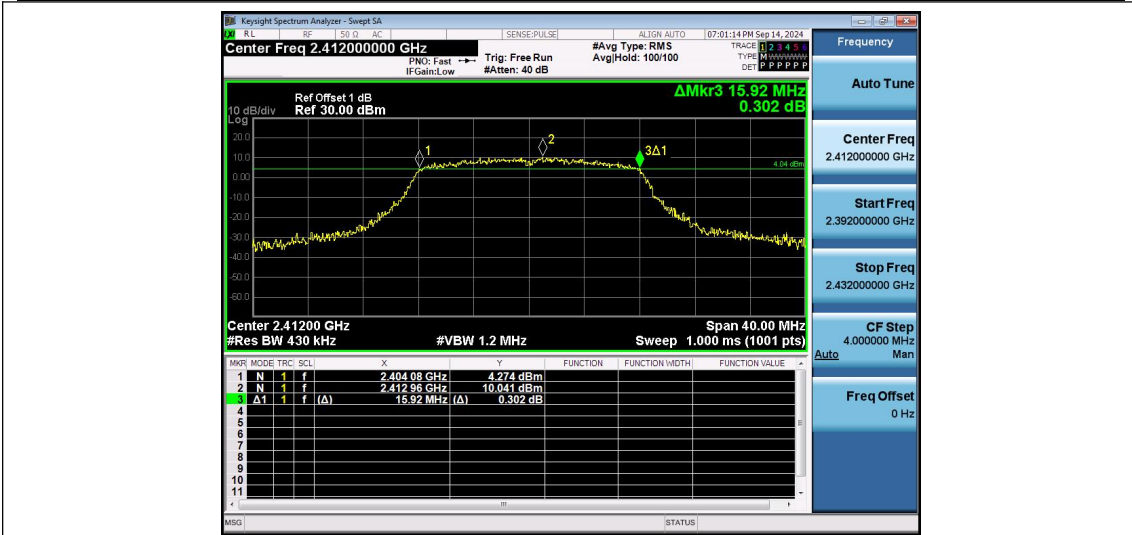


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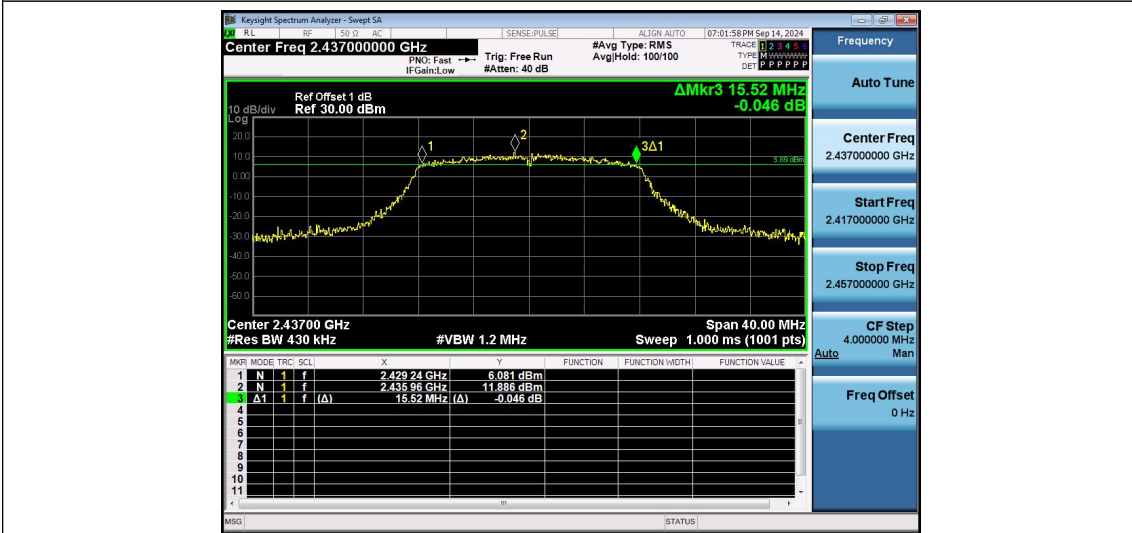
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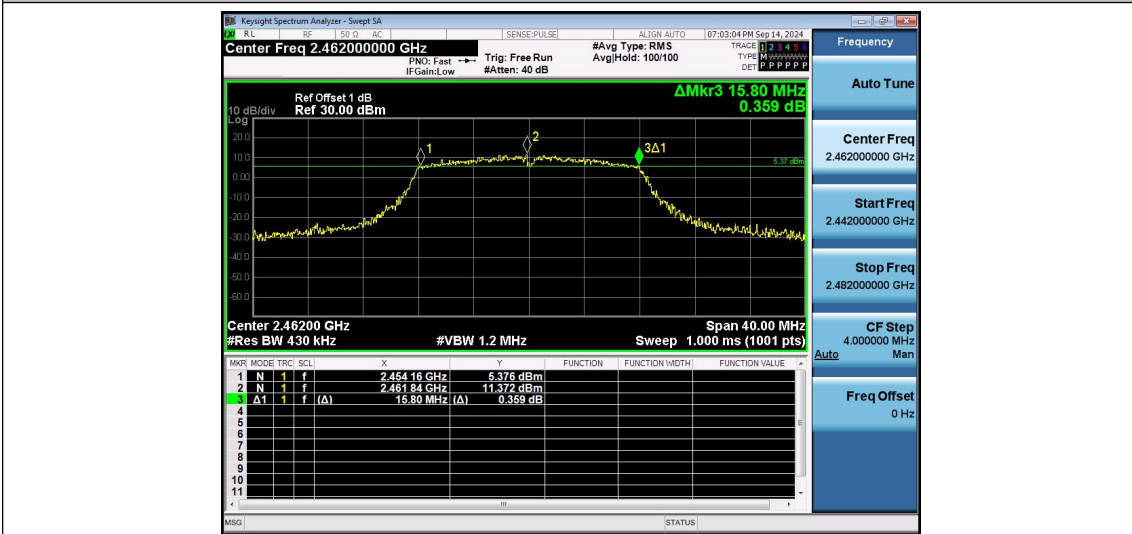




802.11g-Ant1-2412-PASS



802.11g-Ant1-2437-PASS



802.11g-Ant1-2462-PASS





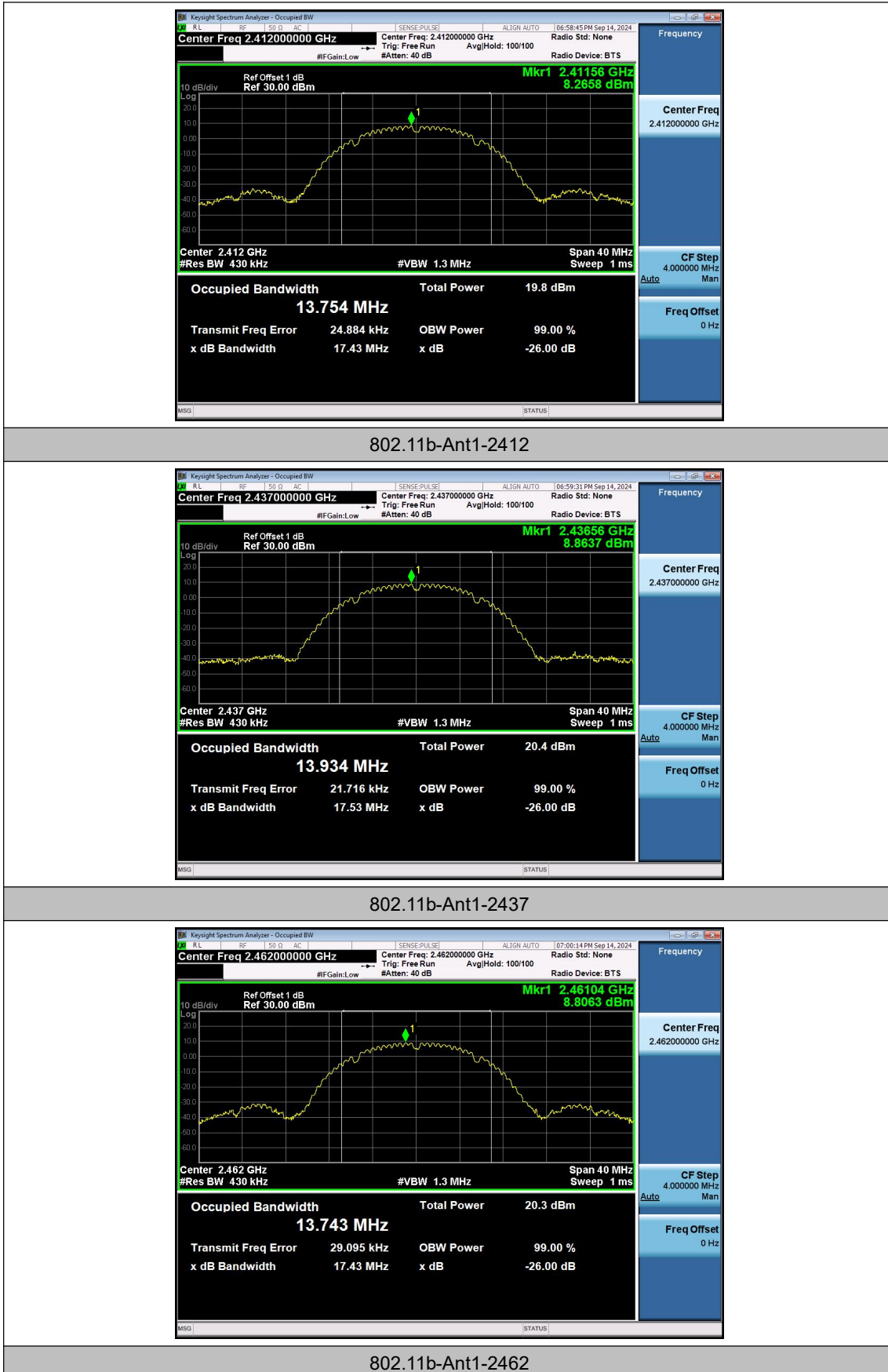
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
802.11b	Ant1	2412	13.754	2405.1479	2418.9019	---	---
802.11b	Ant1	2437	13.934	2430.0547	2443.9887	---	---
802.11b	Ant1	2462	13.743	2455.1576	2468.9006	---	---
802.11g	Ant1	2412	16.514	2403.7843	2420.2983	---	---
802.11g	Ant1	2437	16.550	2428.7813	2445.3313	---	---
802.11g	Ant1	2462	16.606	2453.7654	2470.3714	---	---
802.11n(HT20) SISO	Ant1	2412	17.581	2403.2200	2420.8010	---	---
802.11n(HT20) SISO	Ant1	2437	17.602	2428.2332	2445.8352	---	---
802.11n(HT20) SISO	Ant1	2462	17.604	2453.2226	2470.8266	---	---



Test Graphs

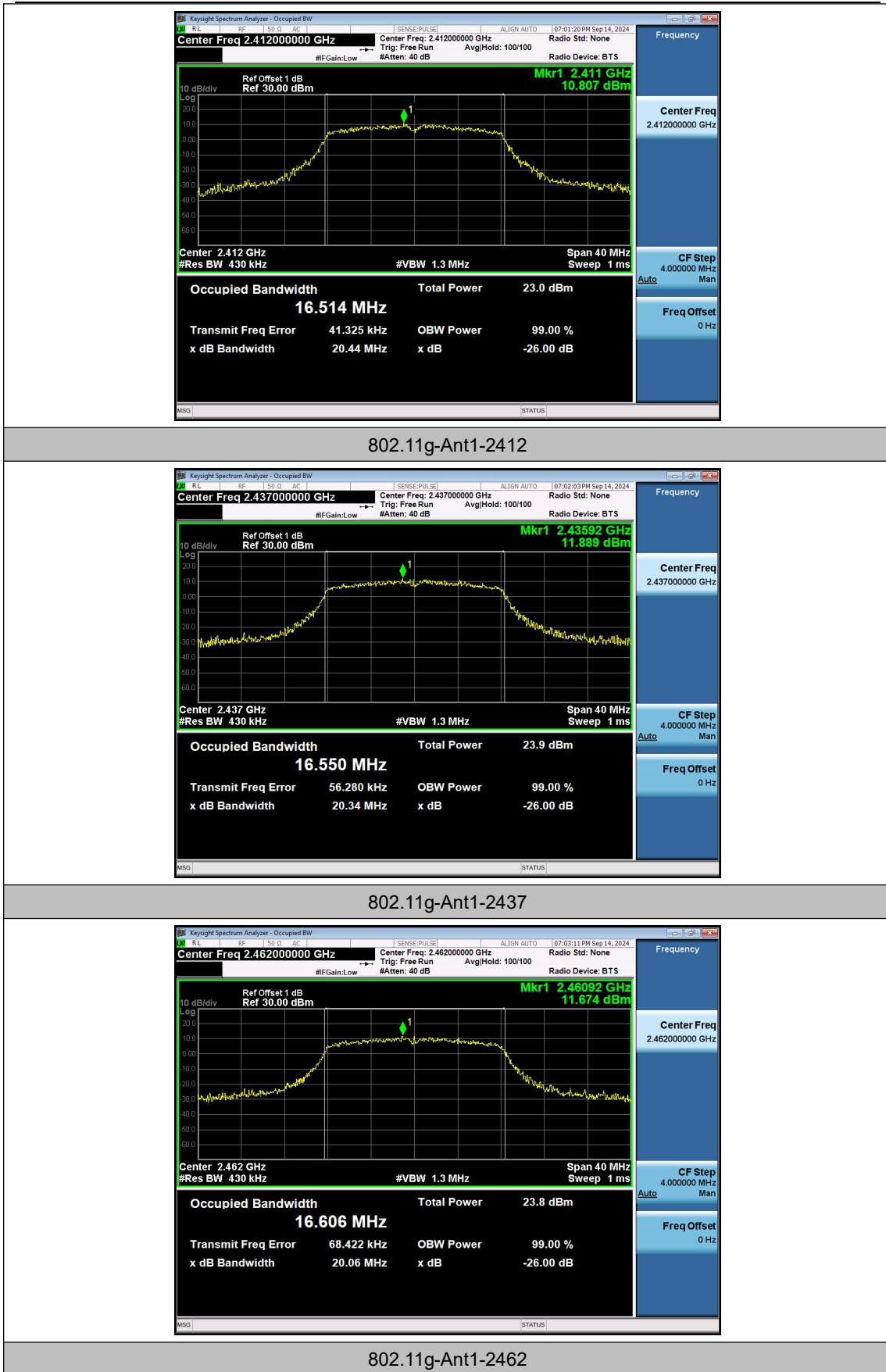


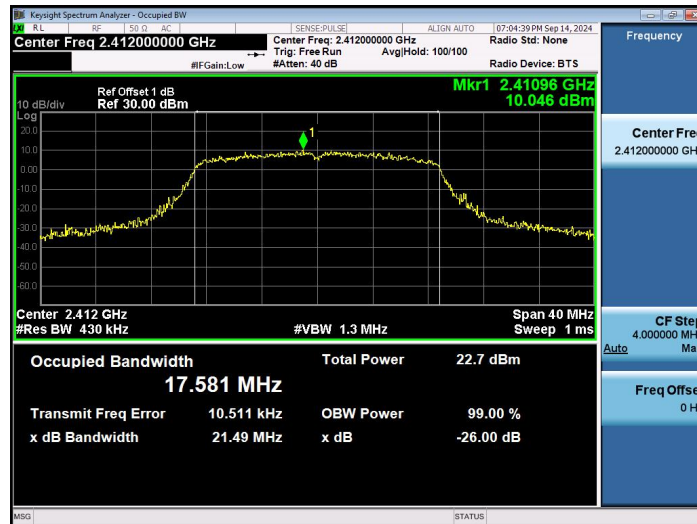
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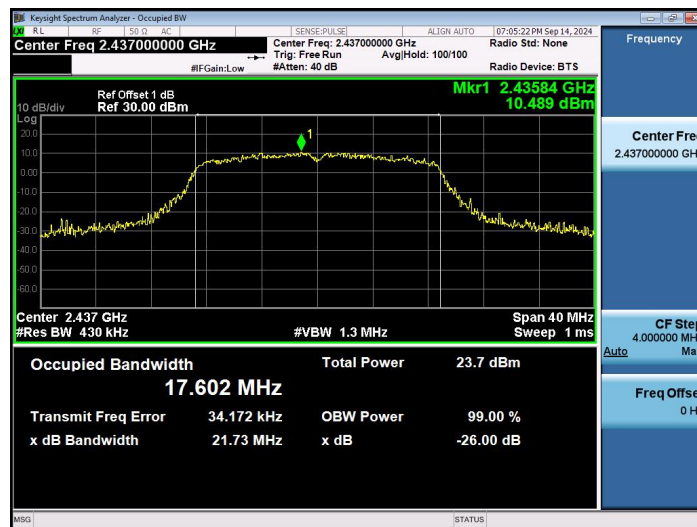
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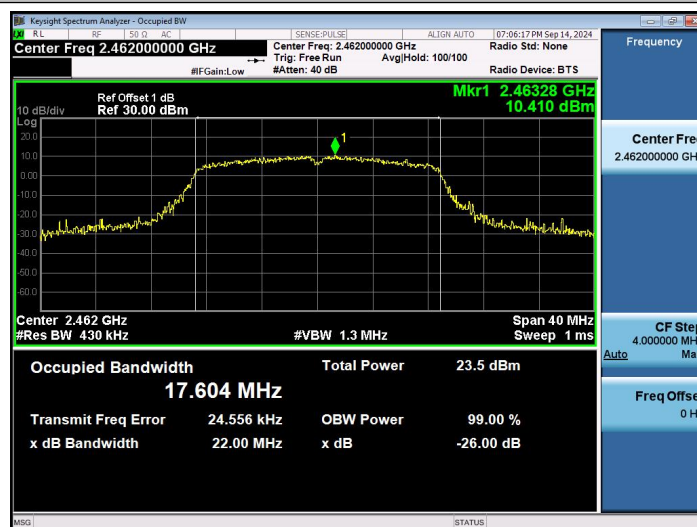




802.11n(HT20)SISO-Ant1-2412



802.11n(HT20)SISO-Ant1-2437



802.11n(HT20)SISO-Ant1-2462



Appendix C: Maximum conducted output power

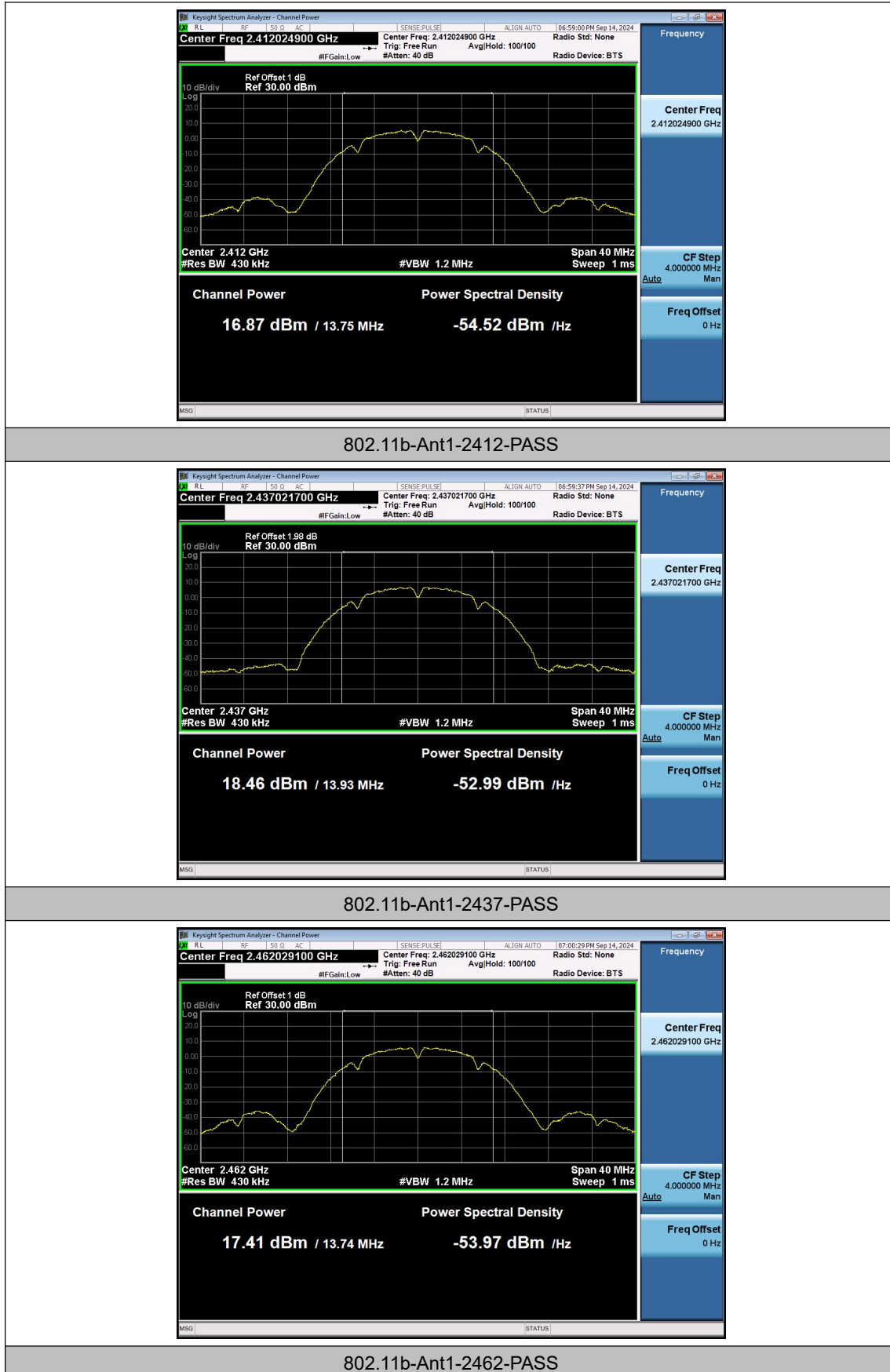
Test Result Average

Test Mode	Antenna	Frequency[MHz]	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
802.11b	Ant1	2412	16.87	100.00	0.00	16.87	≤30.00	PASS
802.11b	Ant1	2437	17.48	79.84	0.98	18.46	≤30.00	PASS
802.11b	Ant1	2462	17.41	100.00	0.00	17.41	≤30.00	PASS
802.11g	Ant1	2412	16.19	100.00	0.00	16.19	≤30.00	PASS
802.11g	Ant1	2437	17.08	79.57	0.99	18.07	≤30.00	PASS
802.11g	Ant1	2462	16.58	79.81	0.98	17.56	≤30.00	PASS
802.11n(HT20) SISO	Ant1	2412	15.66	78.39	1.06	16.72	≤30.00	PASS
802.11n(HT20) SISO	Ant1	2437	16.76	78.64	1.04	17.80	≤30.00	PASS
802.11n(HT20) SISO	Ant1	2462	16.56	78.45	1.05	17.61	≤30.00	PASS

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



Test Graphs Average

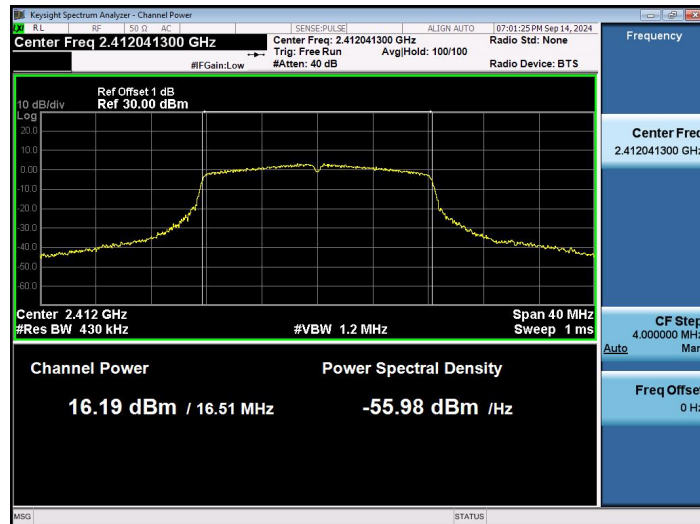


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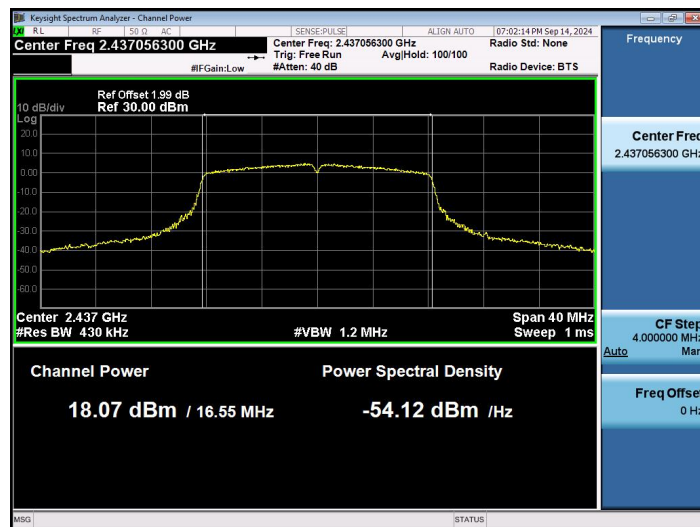
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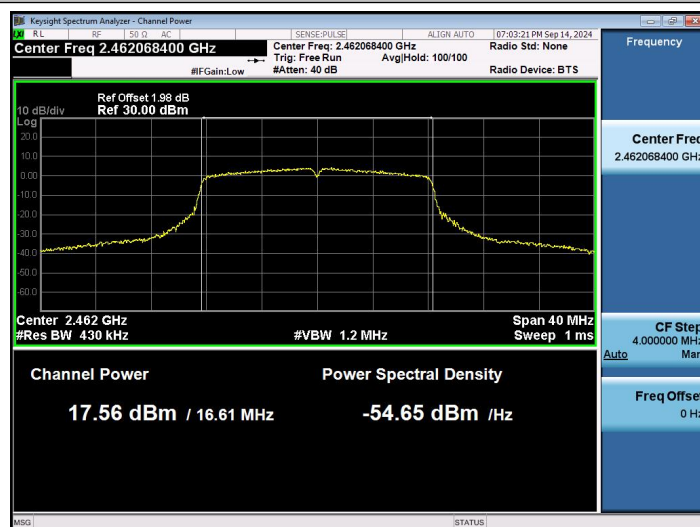




802.11g-Ant1-2412-PASS

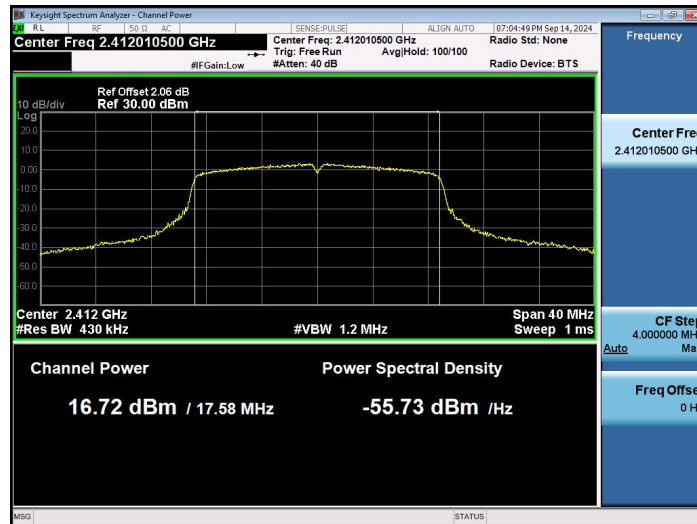


802.11g-Ant1-2437-PASS

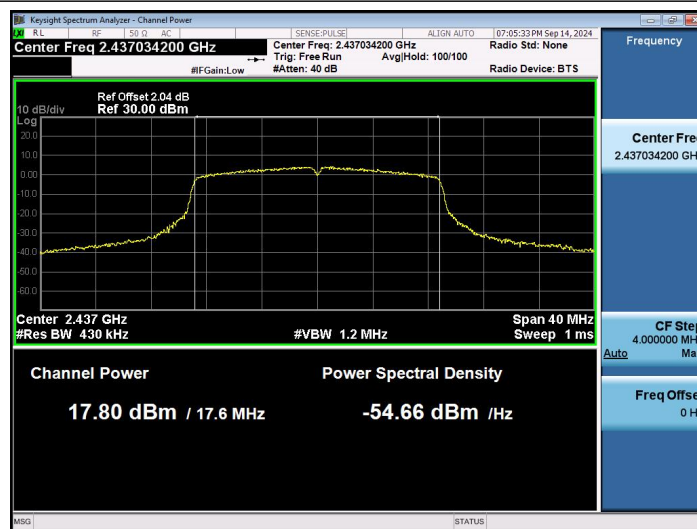


802.11g-Ant1-2462-PASS

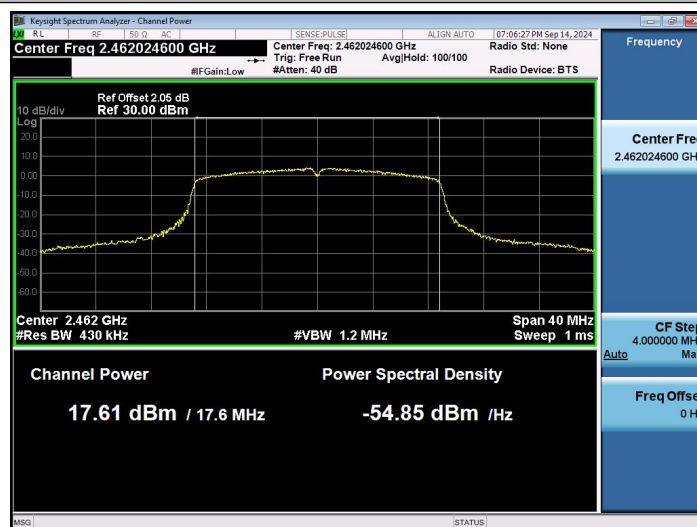




802.11n(HT20)SISO-Ant1-2412-PASS



802.11n(HT20)SISO-Ant1-2437-PASS



802.11n(HT20)SISO-Ant1-2462-PASS



Appendix D: Maximum power spectral density

Test Result

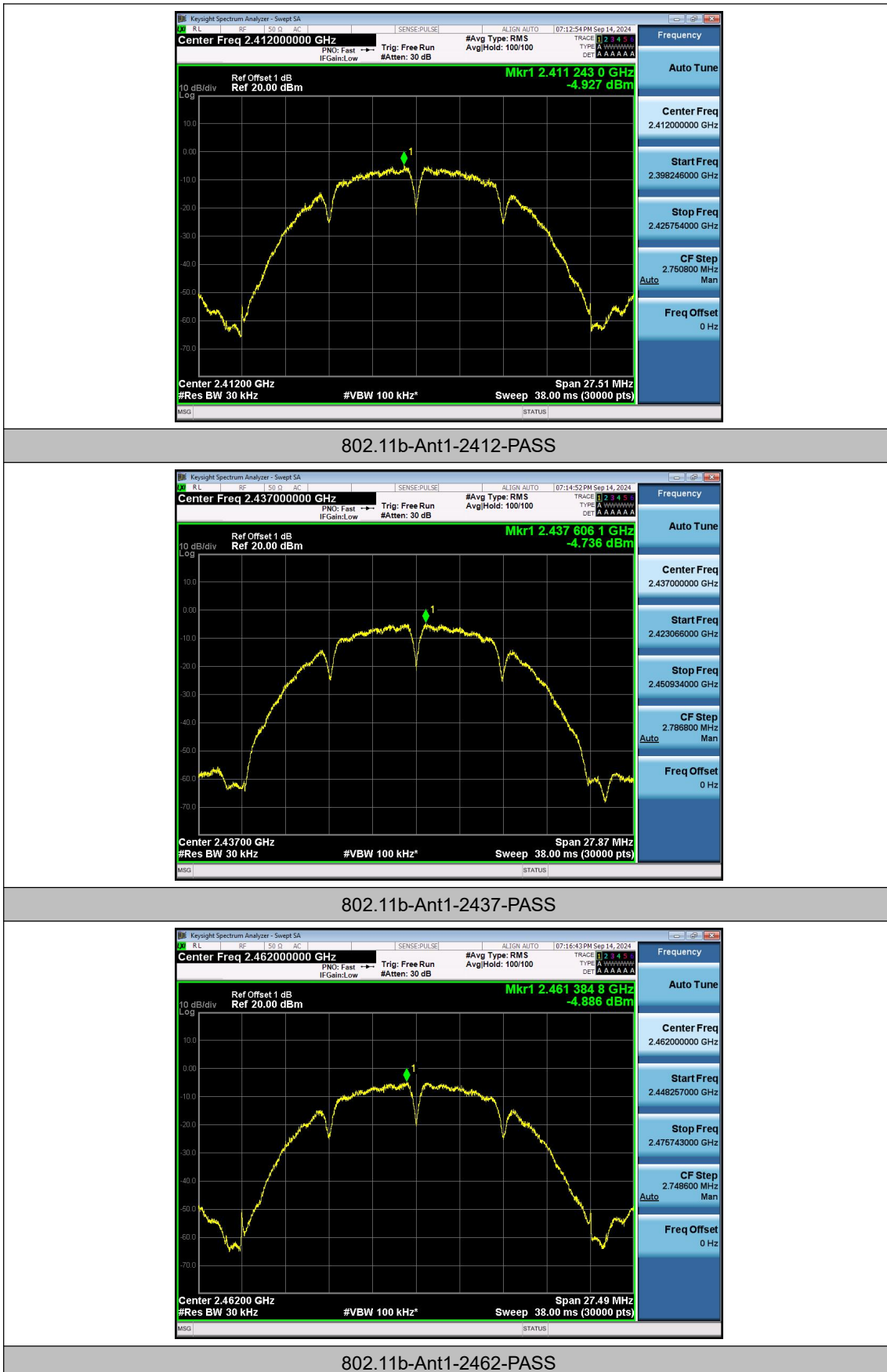
TestMode	Antenna	Frequency [MHz]	Result[dBm/30kHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
802.11b	Ant1	2412	-4.93	-14.93	≤8.00	PASS
802.11b	Ant1	2437	-4.74	-14.74	≤8.00	PASS
802.11b	Ant1	2462	-4.89	-14.89	≤8.00	PASS
802.11g	Ant1	2412	-6.25	-16.25	≤8.00	PASS
802.11g	Ant1	2437	-5.09	-15.09	≤8.00	PASS
802.11g	Ant1	2462	-5.04	-15.04	≤8.00	PASS
802.11n(HT 20)SISO	Ant1	2412	-5.95	-15.95	≤8.00	PASS
802.11n(HT 20)SISO	Ant1	2437	-5.07	-15.07	≤8.00	PASS
802.11n(HT 20)SISO	Ant1	2462	-5.50	-15.50	≤8.00	PASS

Note:

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



Test Graphs

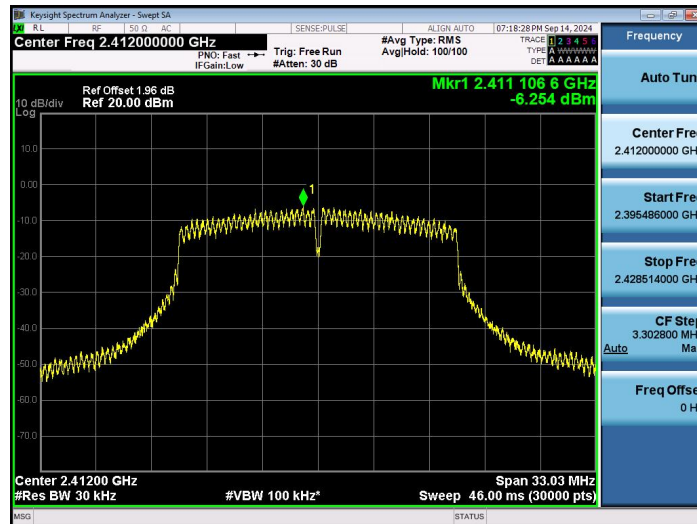


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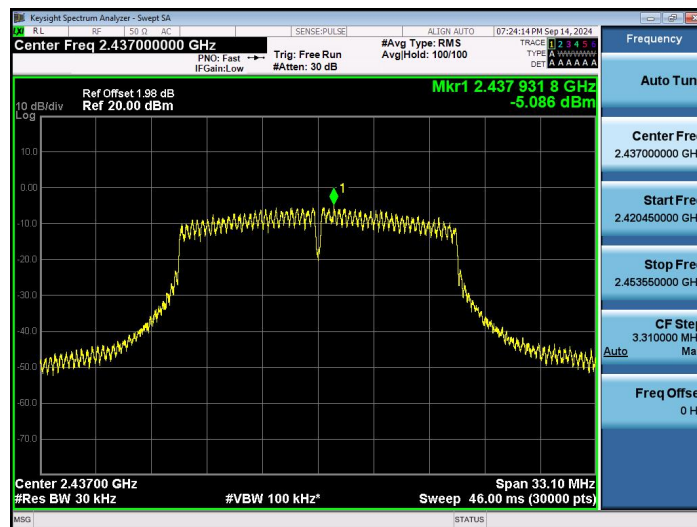
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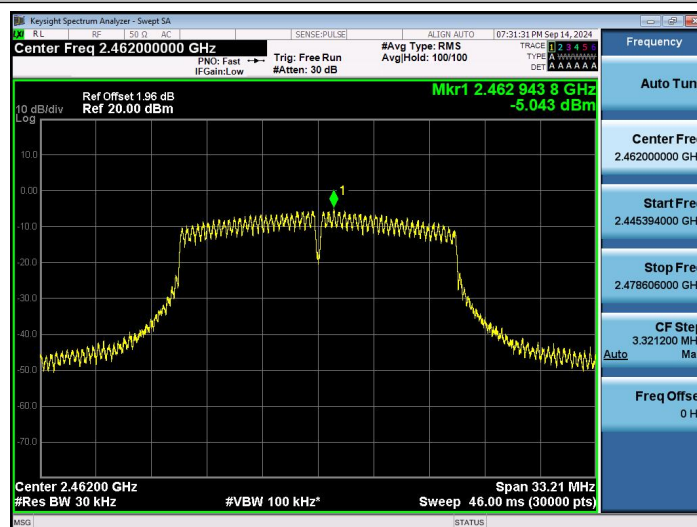




802.11g-Ant1-2412-PASS

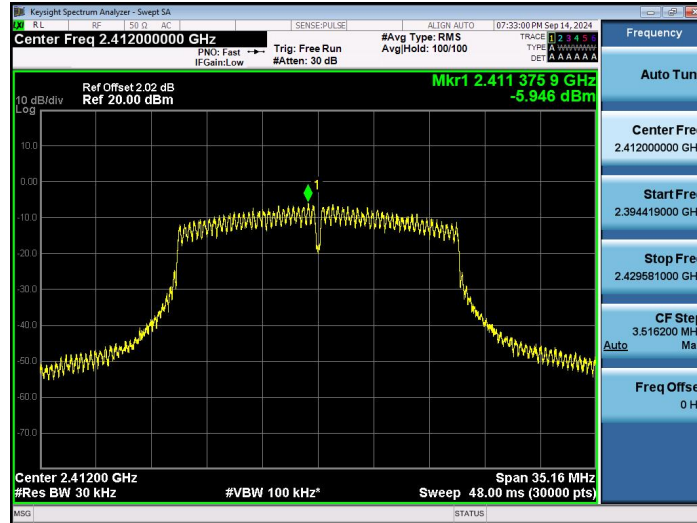


802.11g-Ant1-2437-PASS

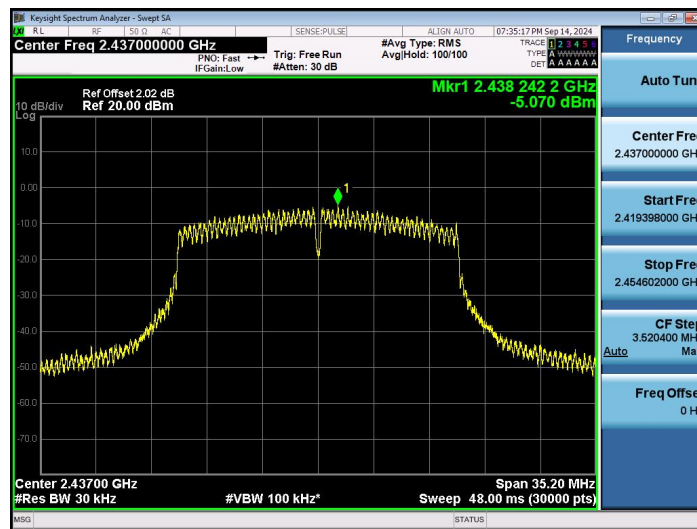


802.11g-Ant1-2462-PASS

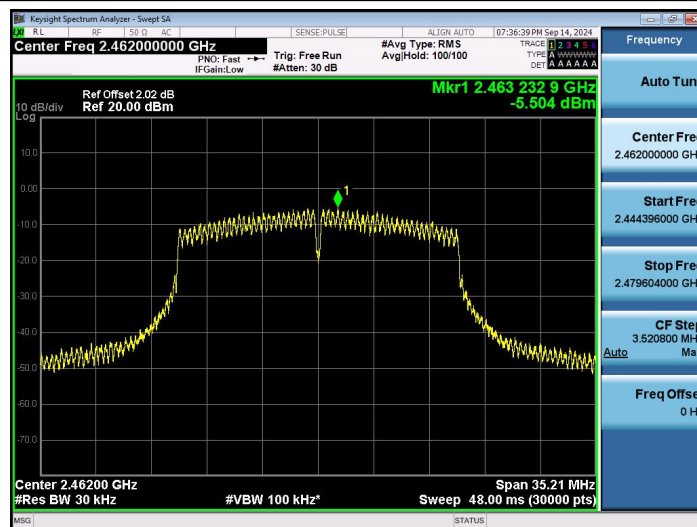




802.11n(HT20)SISO-Ant1-2412-PASS



802.11n(HT20)SISO-Ant1-2437-PASS



802.11n(HT20)SISO-Ant1-2462-PASS



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
802.11b	Ant1	Low	2412	7.86	-35.82	≤-22.15	PASS
802.11b	Ant1	High	2462	8.49	-51.36	≤-21.52	PASS
802.11g	Ant1	Low	2412	6.35	-31.82	≤-23.65	PASS
802.11g	Ant1	High	2462	6.46	-36.28	≤-23.54	PASS
802.11n(HT20) SISO	Ant1	Low	2412	7.03	-29.13	≤-22.97	PASS
802.11n(HT20) SISO	Ant1	High	2462	5.62	-36.28	≤-24.38	PASS

