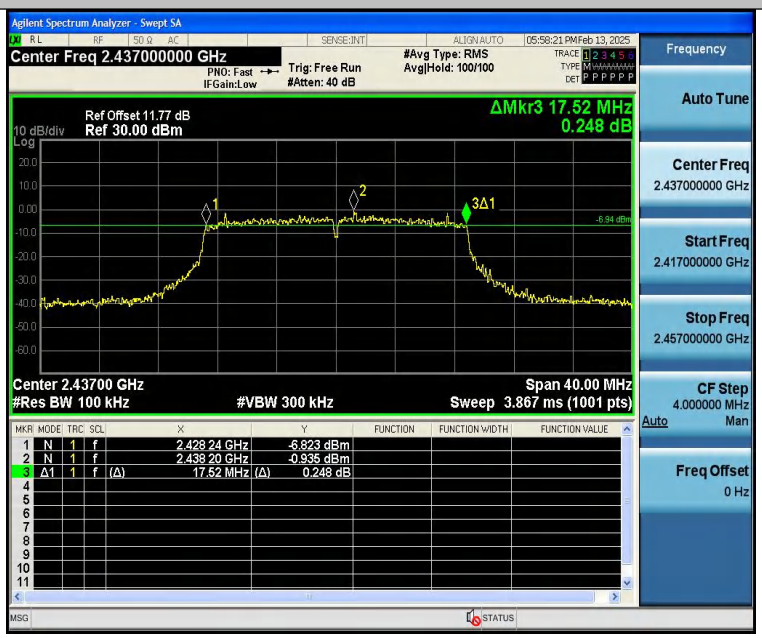
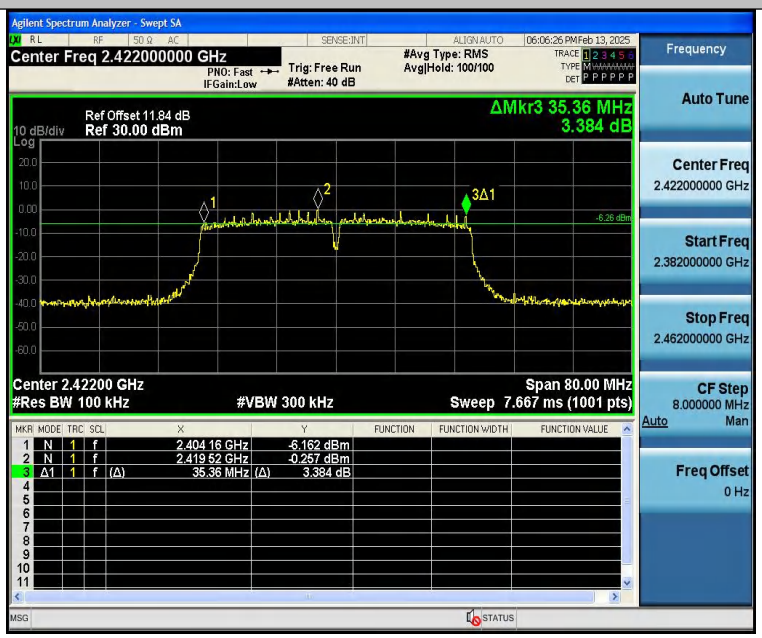
11N20SISO-Ant5-2437-PASS

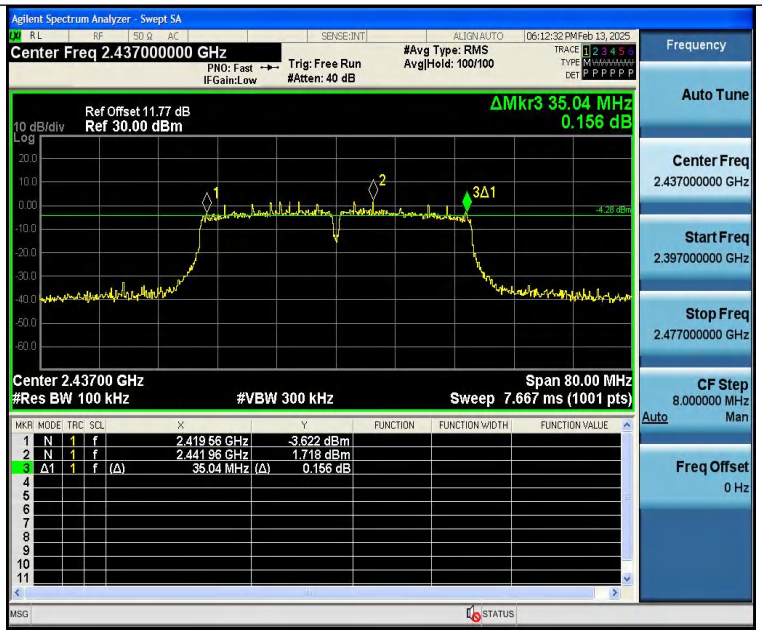


11N20SISO-Ant5-2462-PASS

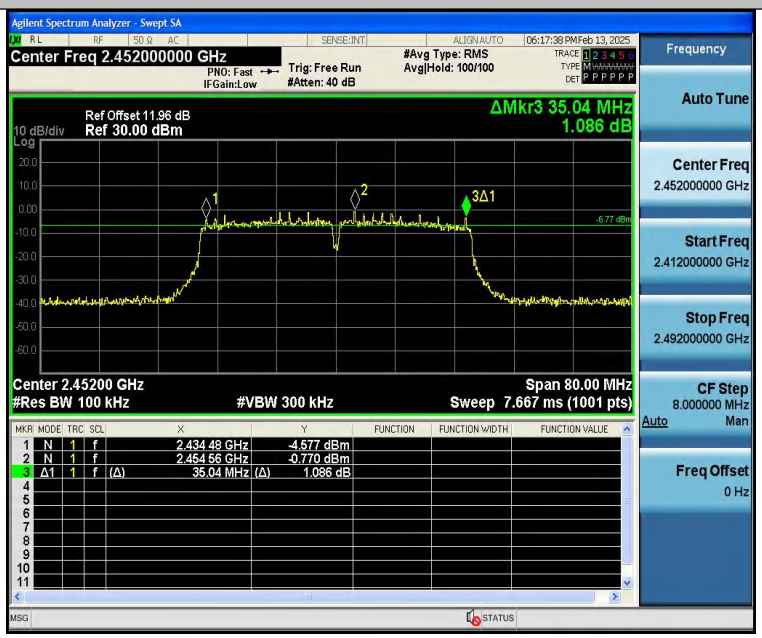
11N40SISO-Ant5-2422-PASS



11N40SISO-Ant5-2437-PASS



11N40SISO-Ant5-2452-PASS



10 Maximum conducted output power

Test Requirement : FCC CFR47 Part 15 Section 15.247

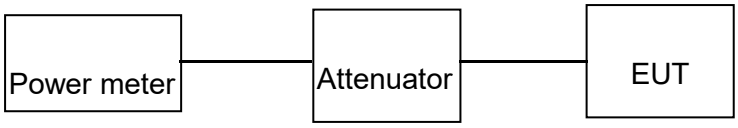
Test Method : ANSI C63.10:2013

Test Limit : Regulation 15.247 (b)(3), For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power.

10.1Test Procedure

1. According to ANSI C63.10-2013 clause 11.9.1.3 PKPM1 Peak power meter method. The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.

10.2Test Setup



10.3Test Result

Ant0:

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant0	2412	---	17.34	≤30.00	PASS
11B	Ant0	2437	---	16.28	≤30.00	PASS
11B	Ant0	2462	---	16.03	≤30.00	PASS
11G	Ant0	2412	---	18.32	≤30.00	PASS
11G	Ant0	2437	---	17.65	≤30.00	PASS
11G	Ant0	2462	---	17.92	≤30.00	PASS
11N20SISO	Ant0	2412	---	18.34	≤30.00	PASS
11N20SISO	Ant0	2437	---	17.60	≤30.00	PASS
11N20SISO	Ant0	2462	---	17.73	≤30.00	PASS
11N40SISO	Ant0	2422	---	18.40	≤30.00	PASS
11N40SISO	Ant0	2437	---	21.46	≤30.00	PASS
11N40SISO	Ant0	2452	---	19.61	≤30.00	PASS

Ant1:

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	---	14.67	≤30.00	PASS
11B	Ant1	2437	---	13.27	≤30.00	PASS
11B	Ant1	2462	---	13.48	≤30.00	PASS
11G	Ant1	2412	---	11.31	≤30.00	PASS
11G	Ant1	2437	---	10.38	≤30.00	PASS

11G	Ant1	2462	---	11.03	≤30.00	PASS
11N20SISO	Ant1	2412	---	11.45	≤30.00	PASS
11N20SISO	Ant1	2437	---	10.26	≤30.00	PASS
11N20SISO	Ant1	2462	---	10.75	≤30.00	PASS
11N40SISO	Ant1	2422	---	11.80	≤30.00	PASS
11N40SISO	Ant1	2437	---	10.98	≤30.00	PASS
11N40SISO	Ant1	2452	---	11.34	≤30.00	PASS

Ant2:

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant2	2412	---	14.33	≤30.00	PASS
11B	Ant2	2437	---	13.28	≤30.00	PASS
11B	Ant2	2462	---	13.21	≤30.00	PASS
11G	Ant2	2412	---	10.88	≤30.00	PASS
11G	Ant2	2437	---	11.72	≤30.00	PASS
11G	Ant2	2462	---	12.52	≤30.00	PASS
11N20SISO	Ant2	2412	---	10.74	≤30.00	PASS
11N20SISO	Ant2	2437	---	11.55	≤30.00	PASS
11N20SISO	Ant2	2462	---	12.73	≤30.00	PASS
11N40SISO	Ant2	2422	---	11.86	≤30.00	PASS
11N40SISO	Ant2	2437	---	11.72	≤30.00	PASS
11N40SISO	Ant2	2452	---	12.74	≤30.00	PASS

Ant3:

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant3	2412	---	17.49	≤30.00	PASS
11B	Ant3	2437	---	16.95	≤30.00	PASS
11B	Ant3	2462	---	16.53	≤30.00	PASS
11G	Ant3	2412	---	13.49	≤30.00	PASS
11G	Ant3	2437	---	13.36	≤30.00	PASS
11G	Ant3	2462	---	13.15	≤30.00	PASS
11N20SISO	Ant3	2412	---	13.49	≤30.00	PASS
11N20SISO	Ant3	2437	---	13.35	≤30.00	PASS
11N20SISO	Ant3	2462	---	13.48	≤30.00	PASS
11N40SISO	Ant3	2422	---	13.83	≤30.00	PASS
11N40SISO	Ant3	2437	---	13.62	≤30.00	PASS
11N40SISO	Ant3	2452	---	13.92	≤30.00	PASS

Ant4:

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant4	2412	---	14.67	≤30.00	PASS
11B	Ant4	2437	---	13.27	≤30.00	PASS
11B	Ant4	2462	---	13.48	≤30.00	PASS
11G	Ant4	2412	---	11.31	≤30.00	PASS
11G	Ant4	2437	---	10.38	≤30.00	PASS
11G	Ant4	2462	---	11.03	≤30.00	PASS
11N20SISO	Ant4	2412	---	11.45	≤30.00	PASS
11N20SISO	Ant4	2437	---	10.26	≤30.00	PASS
11N20SISO	Ant4	2462	---	10.75	≤30.00	PASS

11N40SISO	Ant4	2422	---	11.80	≤30.00	PASS
11N40SISO	Ant4	2437	---	10.98	≤30.00	PASS
11N40SISO	Ant4	2452	---	11.34	≤30.00	PASS

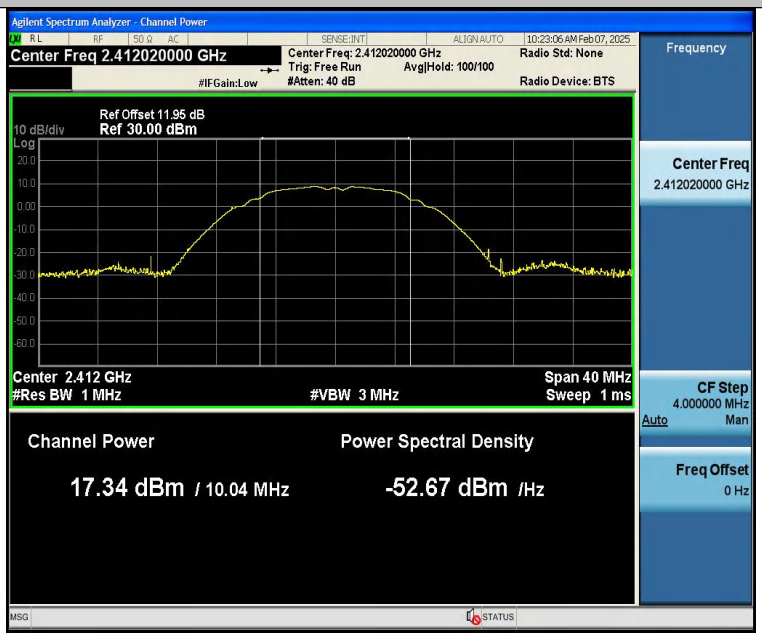
Ant5:

TestMode	Antenna	Frequency[MHz]	Set Power	Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant5	2412	---	15.81	≤30.00	PASS
11B	Ant5	2437	---	16.32	≤30.00	PASS
11B	Ant5	2462	---	16.01	≤30.00	PASS
11G	Ant5	2412	---	13.40	≤30.00	PASS
11G	Ant5	2437	---	11.89	≤30.00	PASS
11G	Ant5	2462	---	12.16	≤30.00	PASS
11N20SISO	Ant5	2412	---	12.95	≤30.00	PASS
11N20SISO	Ant5	2437	---	11.27	≤30.00	PASS
11N20SISO	Ant5	2462	---	12.21	≤30.00	PASS
11N40SISO	Ant5	2422	---	13.65	≤30.00	PASS
11N40SISO	Ant5	2437	---	15.52	≤30.00	PASS
11N40SISO	Ant5	2452	---	13.19	≤30.00	PASS

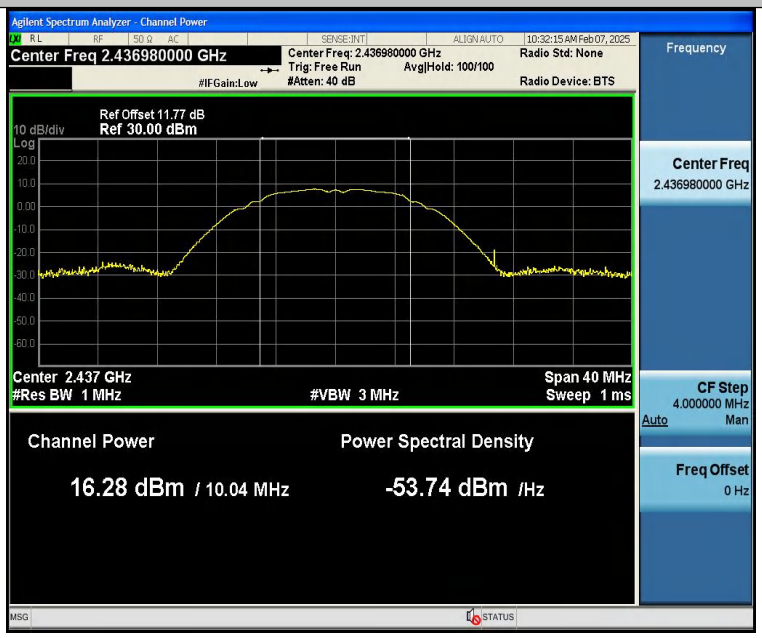
Test Graphs:

Ant0:

11B-Ant0-2412-PASS

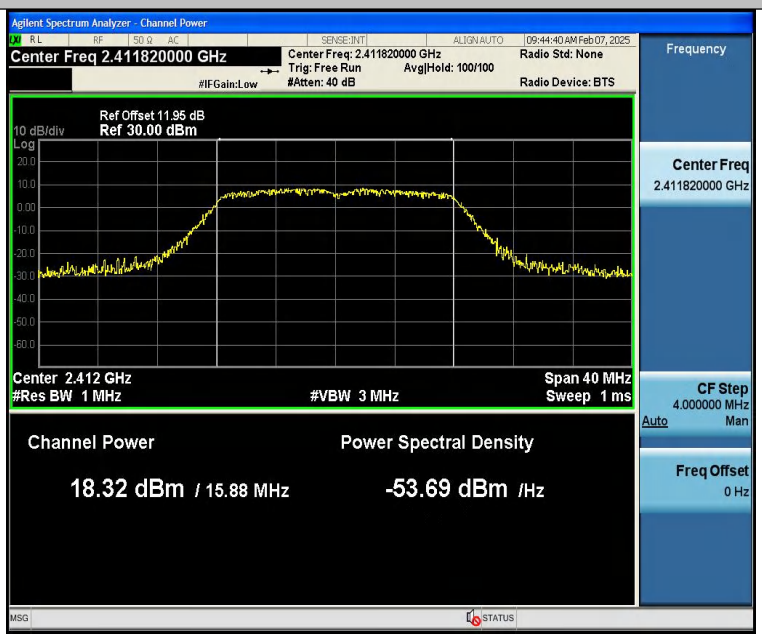


11B-Ant0-2437-PASS



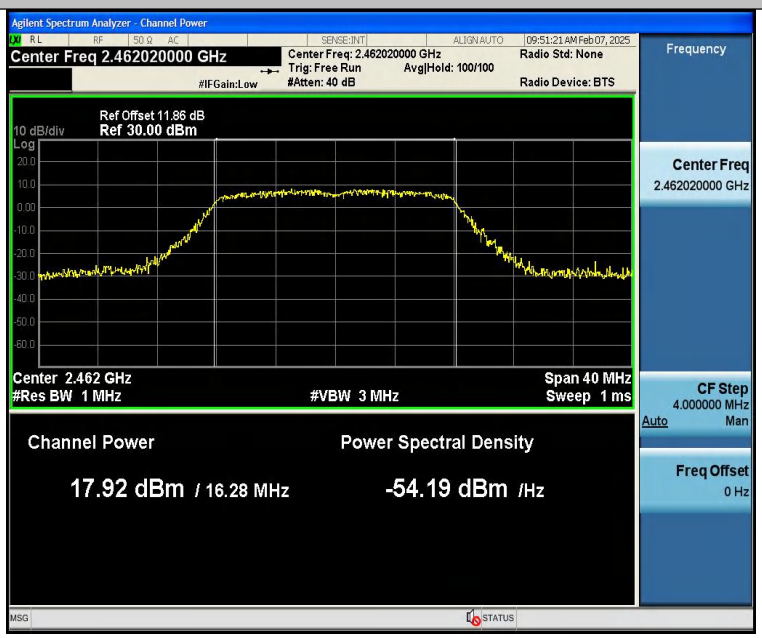
11B-Ant0-2462-PASS

11G-Ant0-2412-PASS

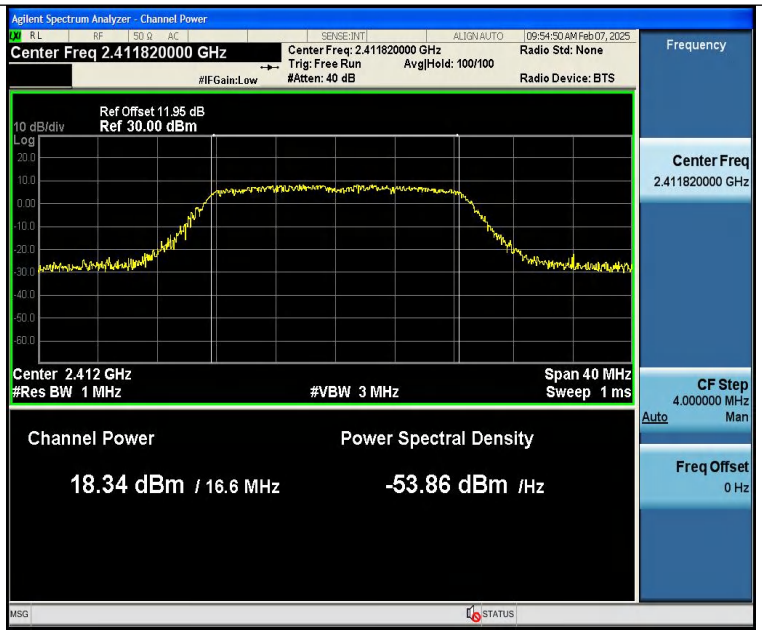


11G-Ant0-2437-PASS

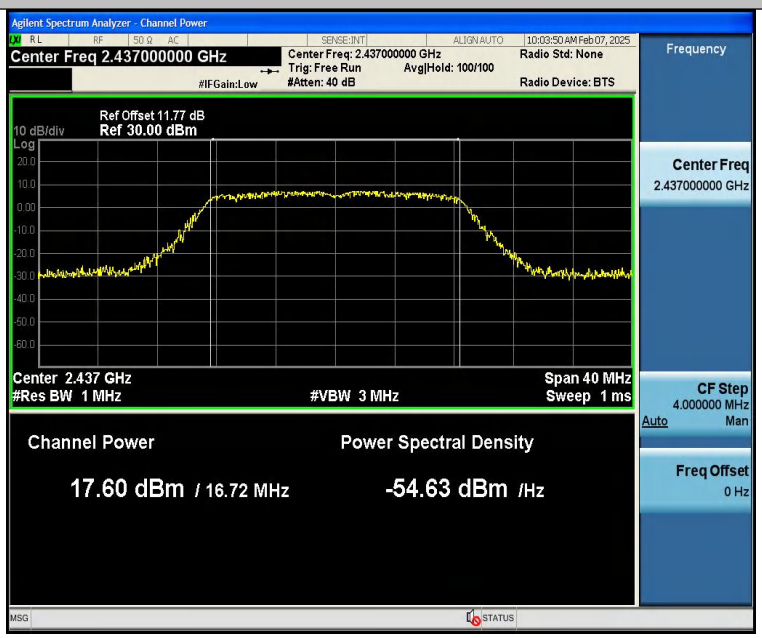
11G-Ant0-2462-PASS



11N20SISO-Ant0-2412-PASS



11N20SISO-Ant0-2437-PASS

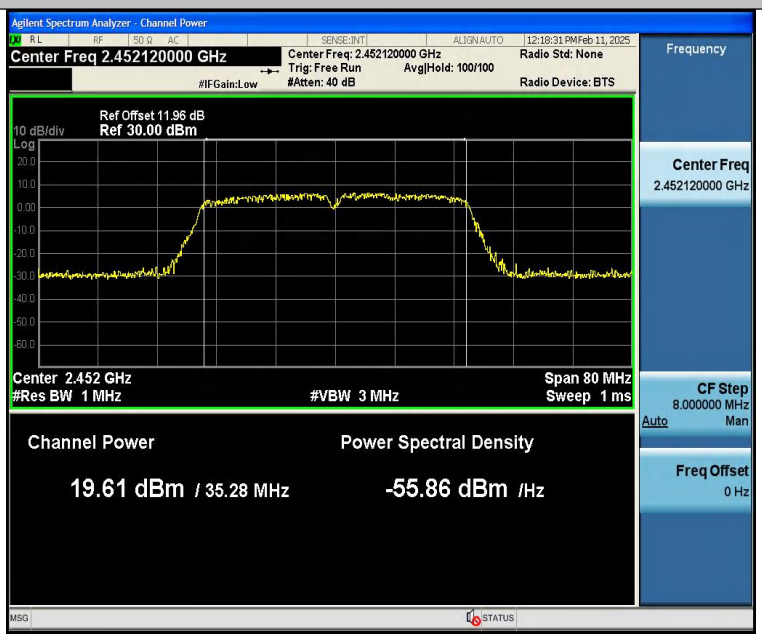


11N20SISO-Ant0-2462-PASS

11N40SISO-Ant0-2422-PASS

11N40SISO-Ant0-2437-PASS

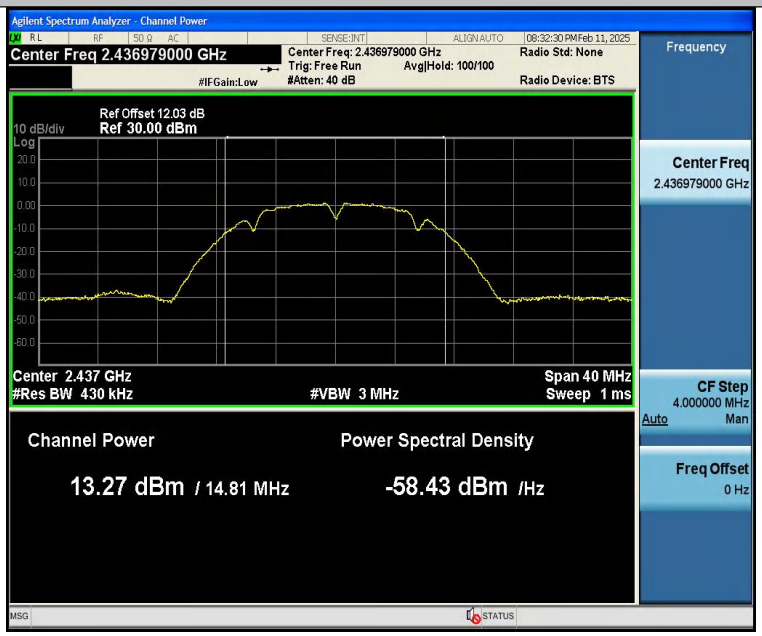
11N40SISO-Ant0-2452-PASS



Ant1:

11B-Ant1-2412-PASS

11B-Ant1-2437-PASS



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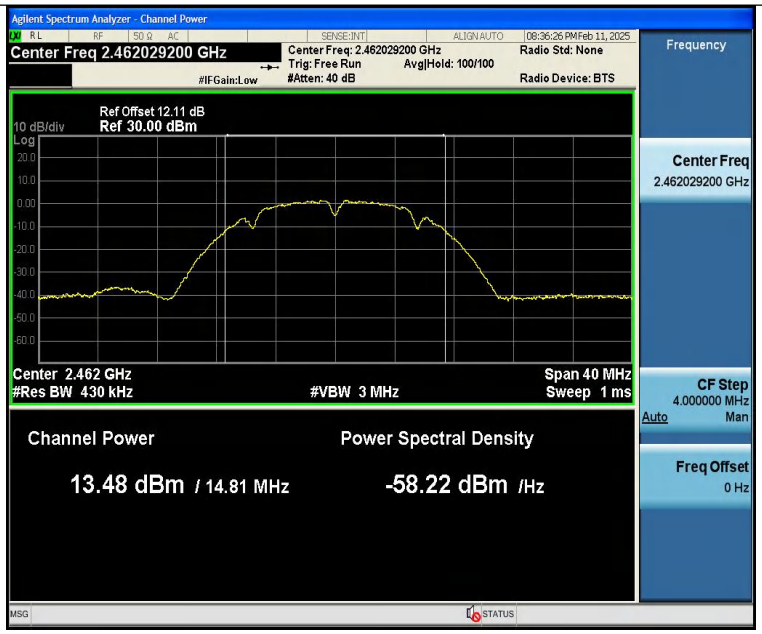
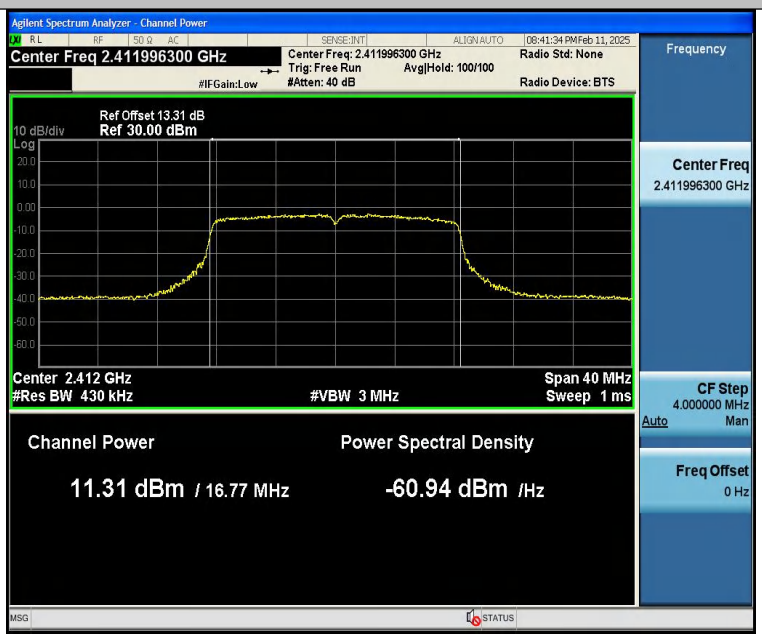
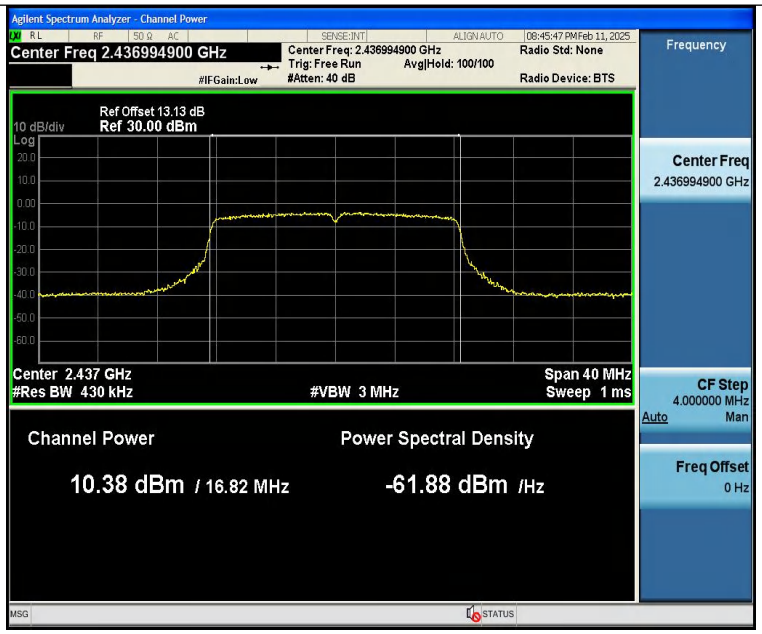


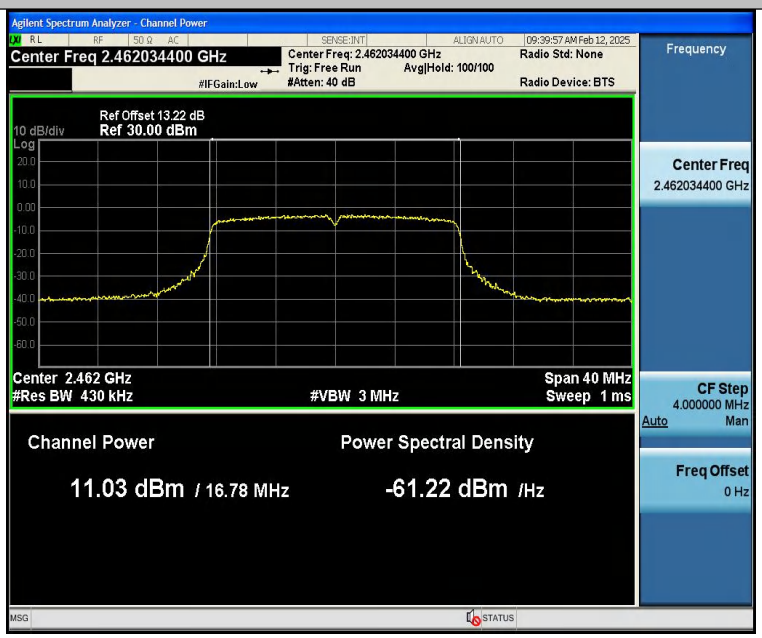
11G-Ant1-2412-PASS



11G-Ant1-2437-PASS



11G-Ant1-2462-PASS



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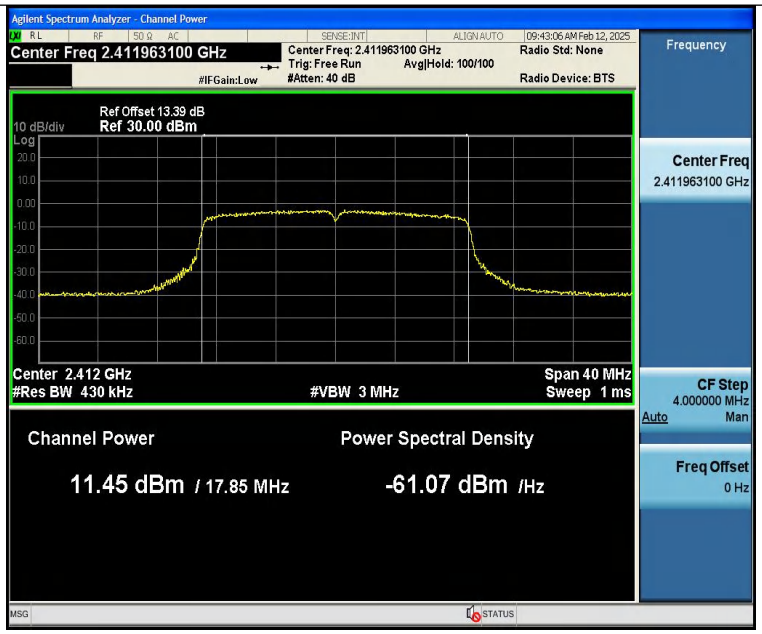
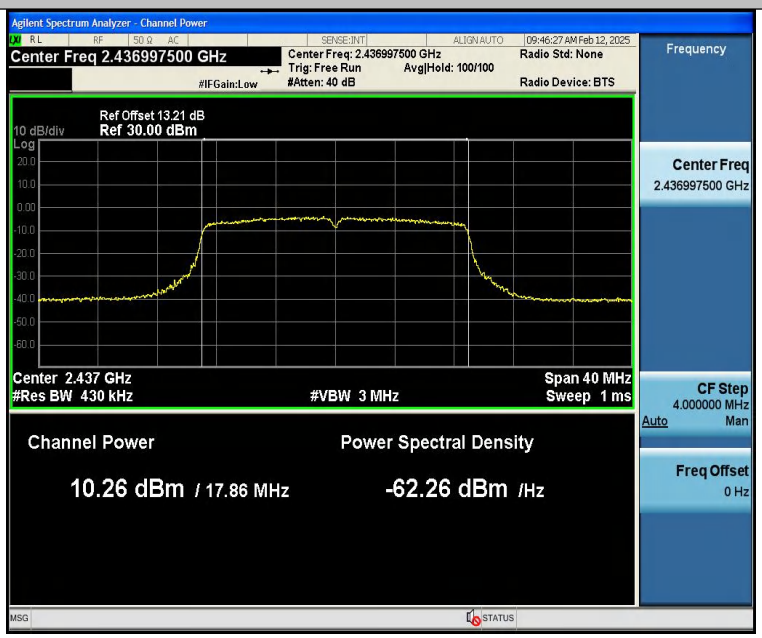


11N20SISO-Ant1-2437-PASS



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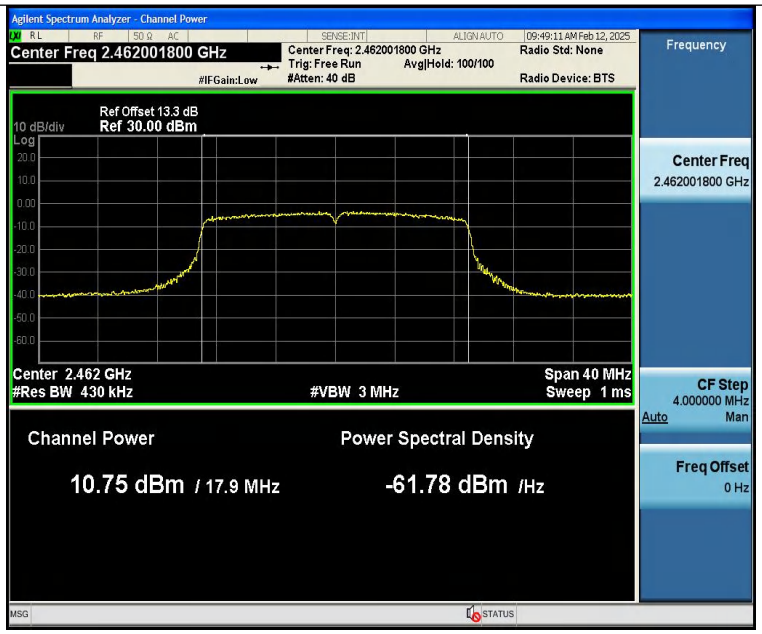
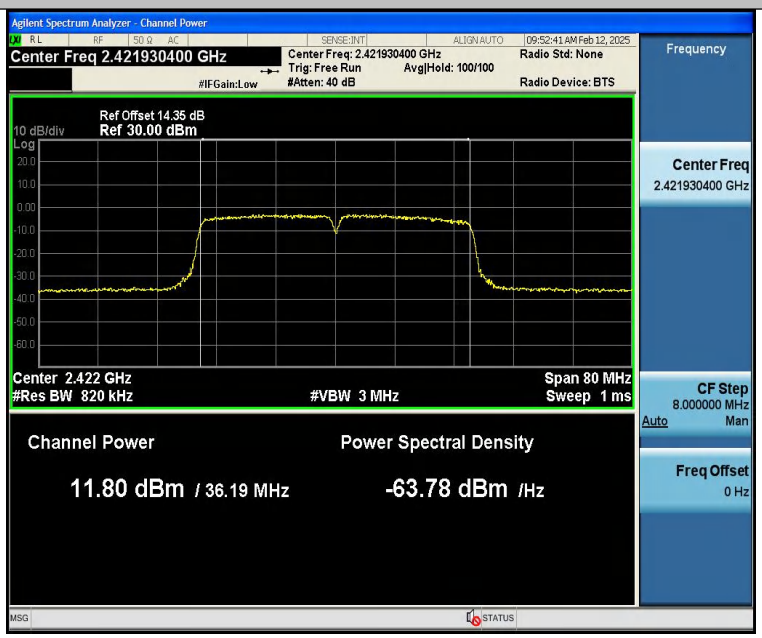
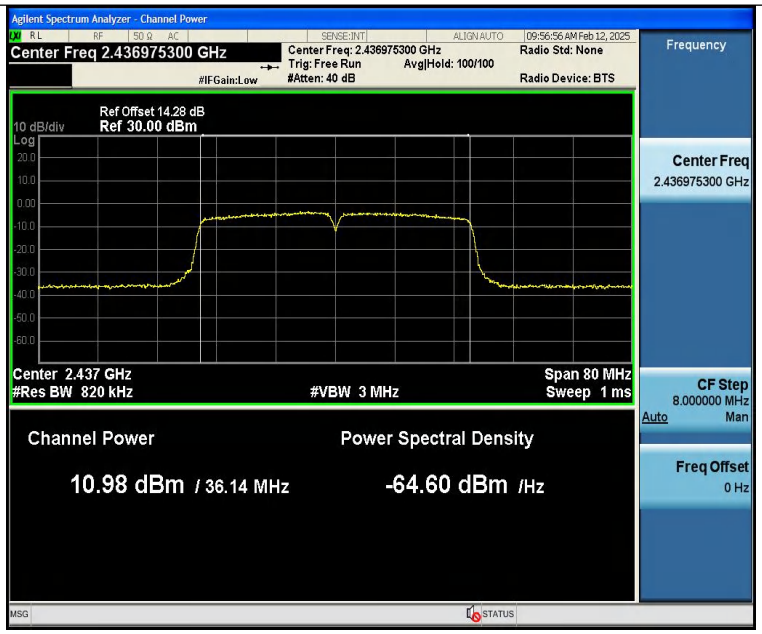


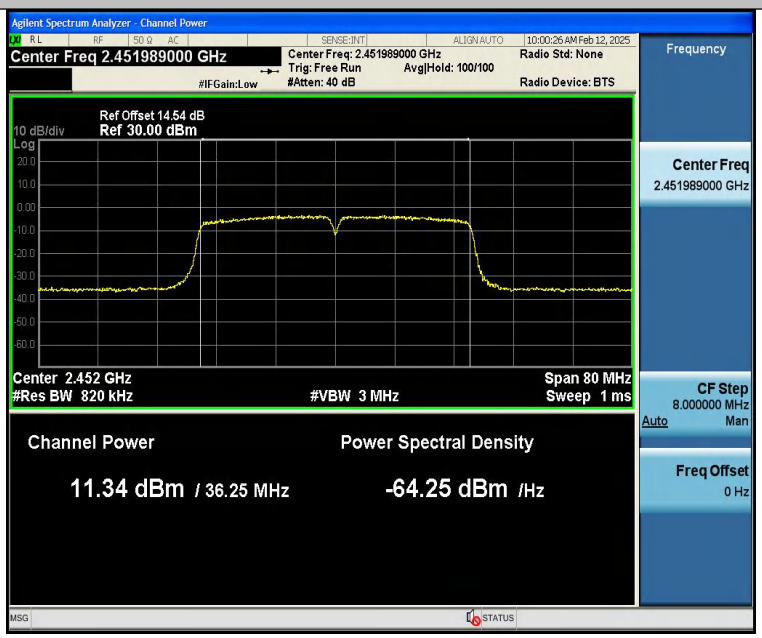
11N40SISO-Ant1-2422-PASS



11N40SISO-Ant1-2437-PASS

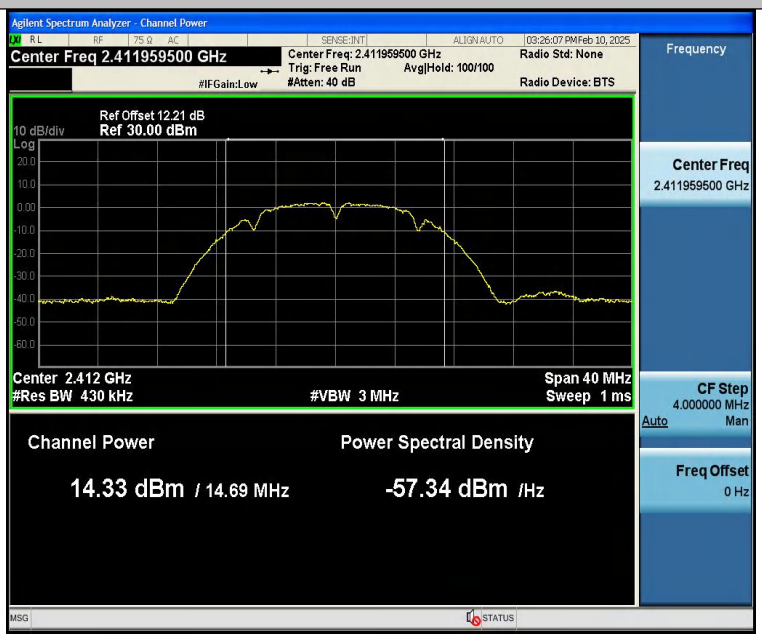


11N40SISO-Ant1-2452-PASS

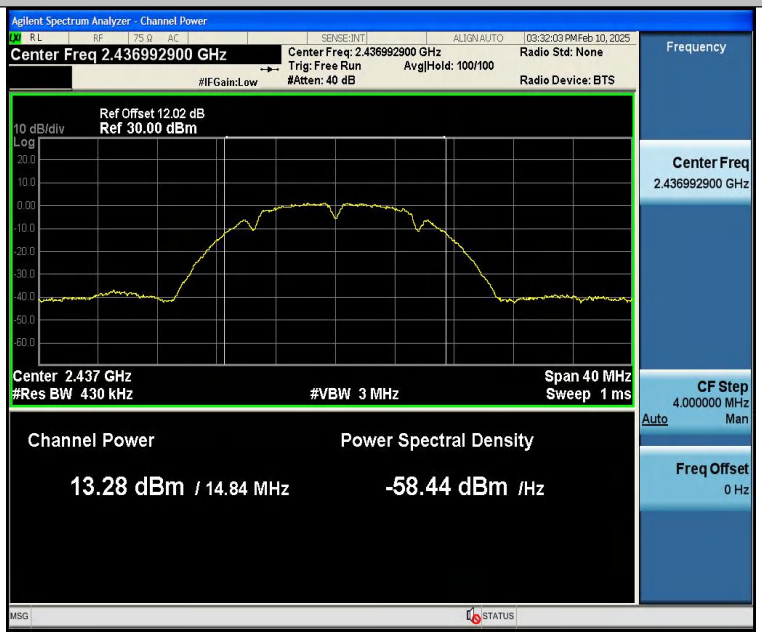


Ant2:

11B-Ant2-2412-PASS

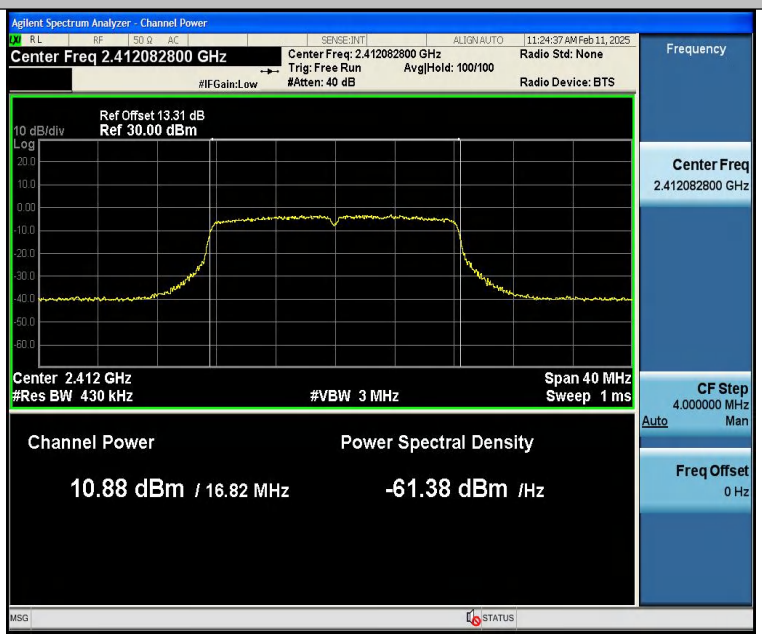


11B-Ant2-2437-PASS

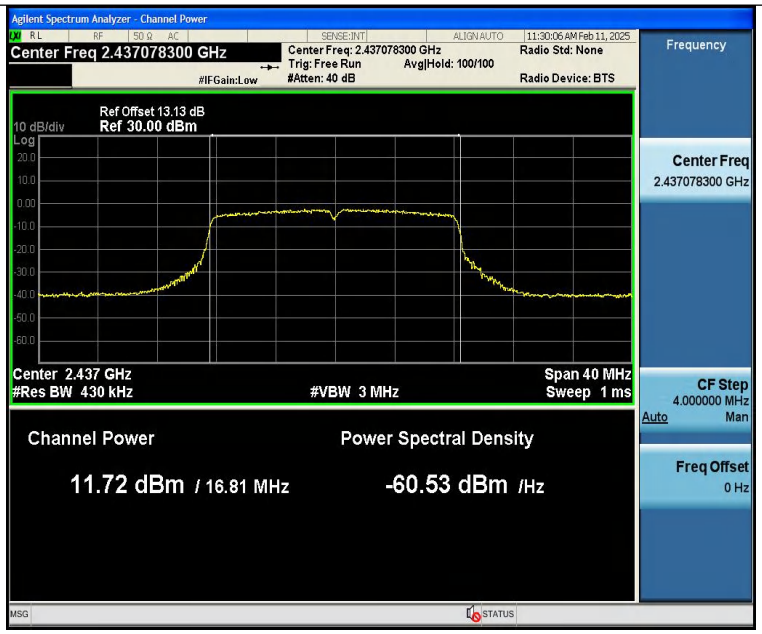


11B-Ant2-2462-PASS

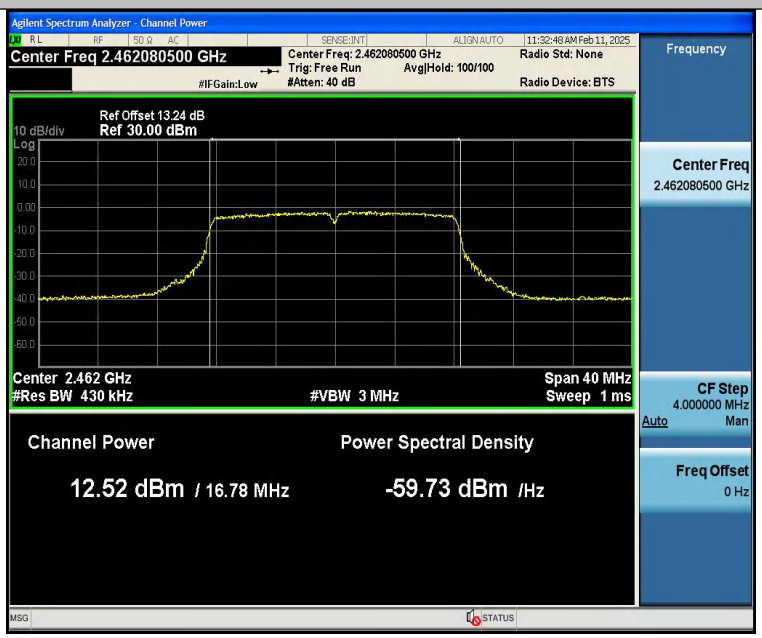
11G-Ant2-2412-PASS



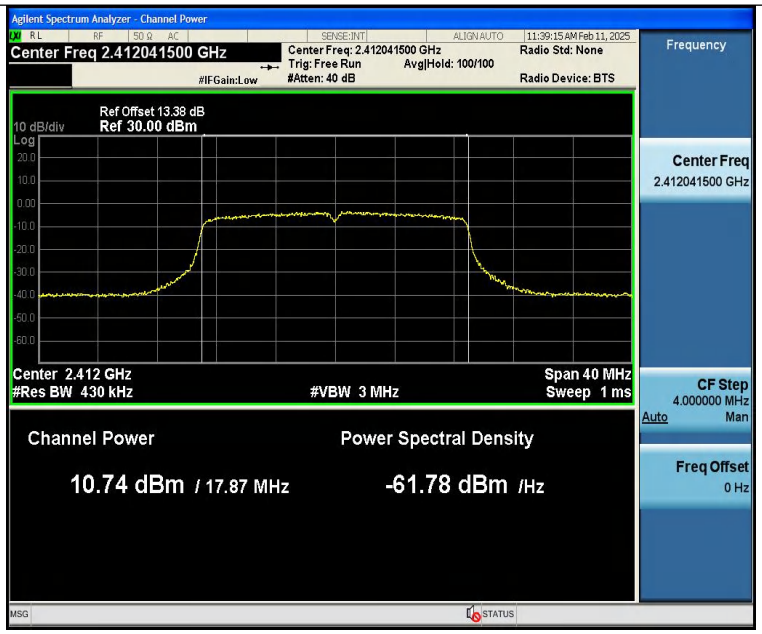
11G-Ant2-2437-PASS



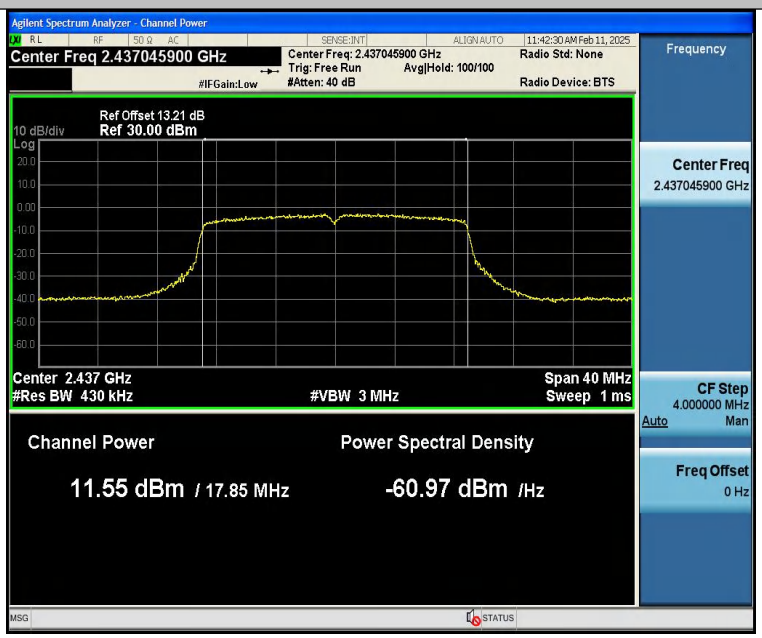
11G-Ant2-2462-PASS



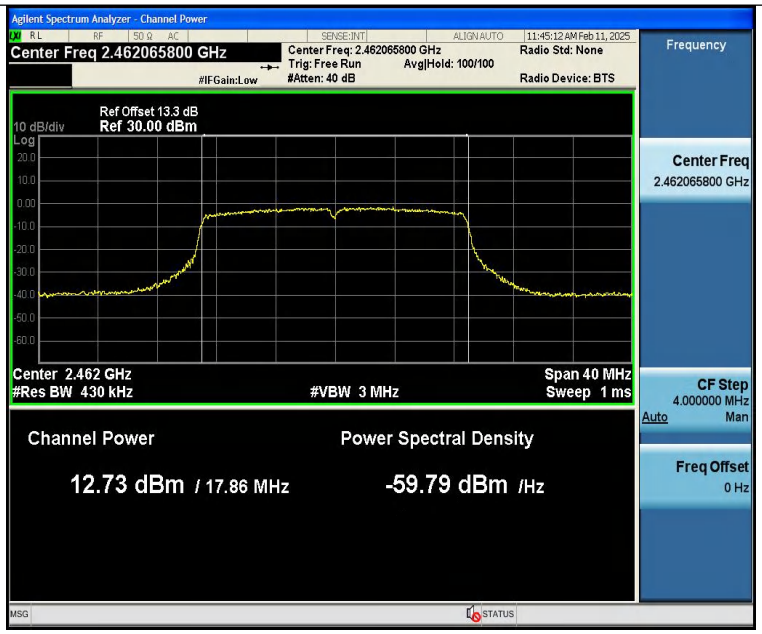
11N20SISO-Ant2-2412-PASS



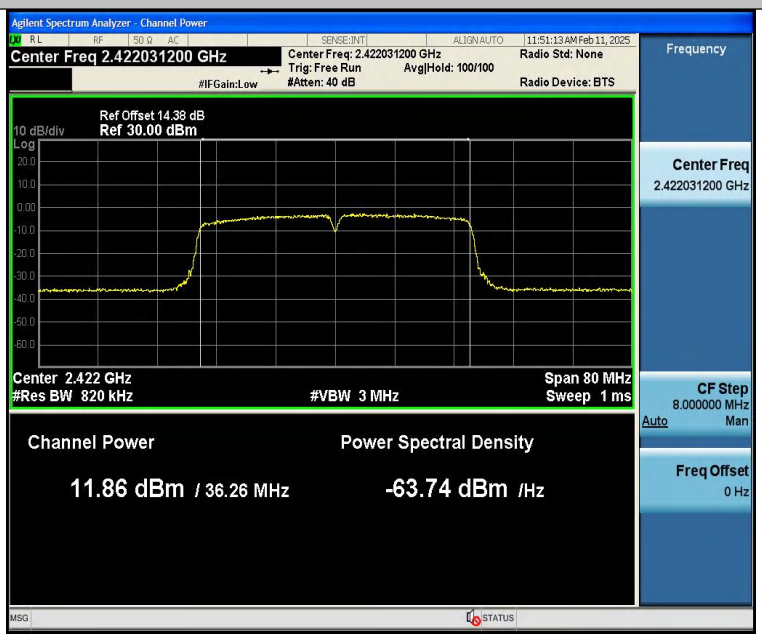
11N20SISO-Ant2-2437-PASS



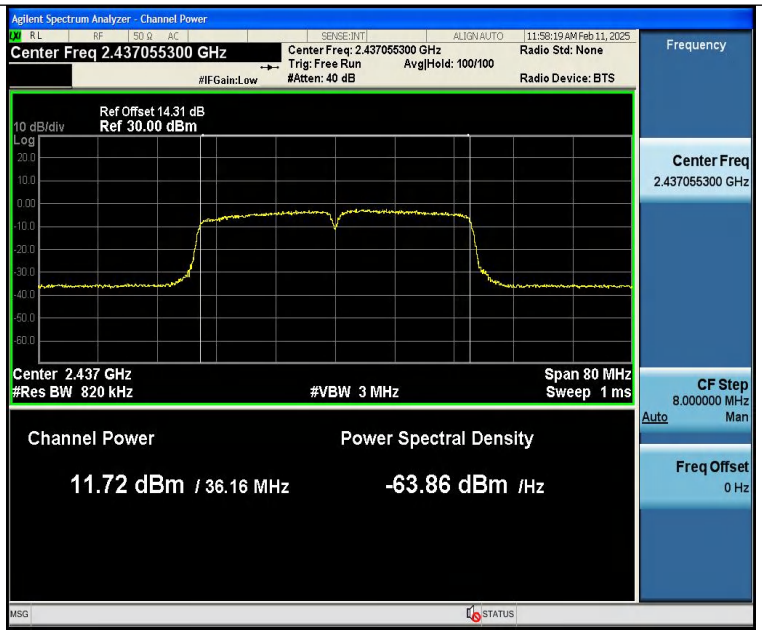
11N20SISO-Ant2-2462-PASS



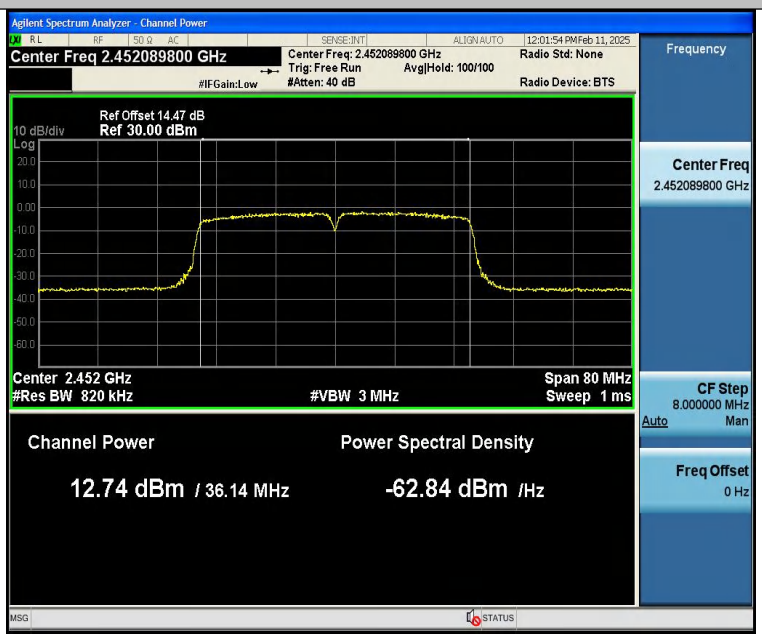
11N40SISO-Ant2-2422-PASS



11N40SISO-Ant2-2437-PASS



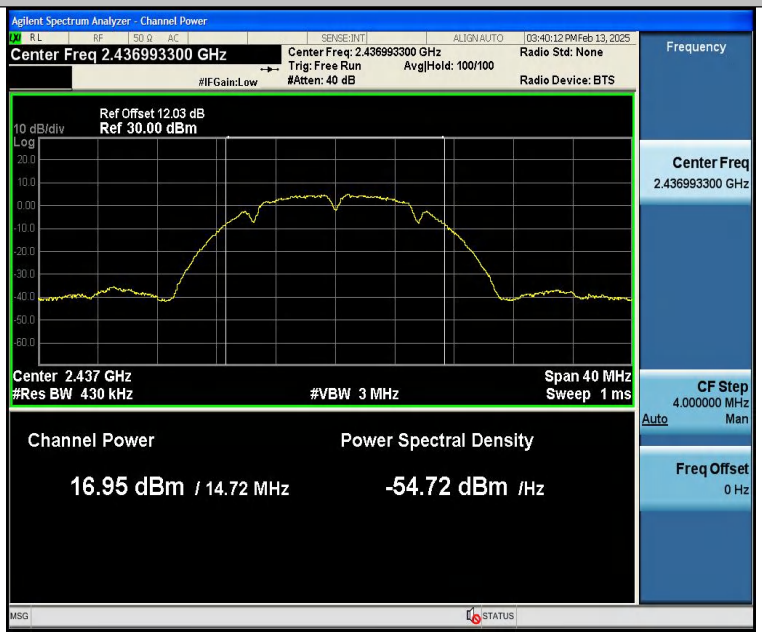
11N40SISO-Ant2-2452-PASS



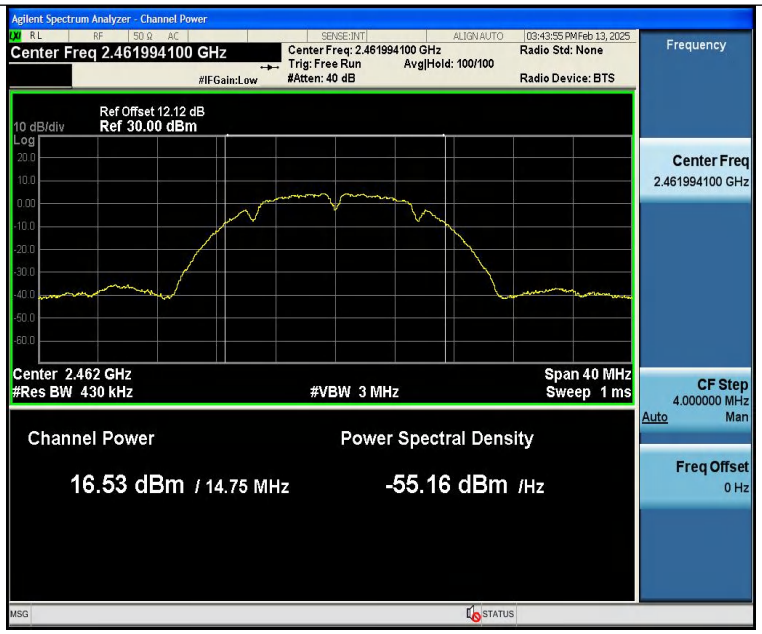
Ant3:

11B-Ant3-2412-PASS

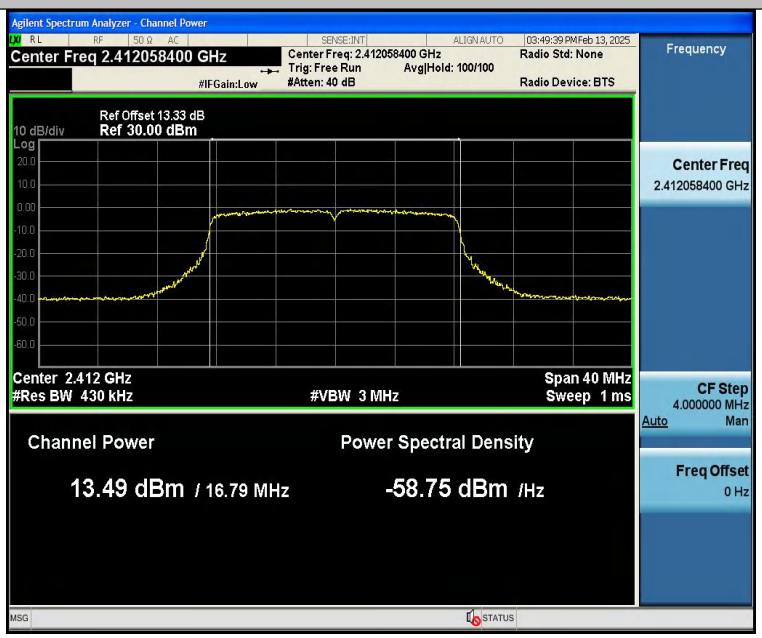
11B-Ant3-2437-PASS



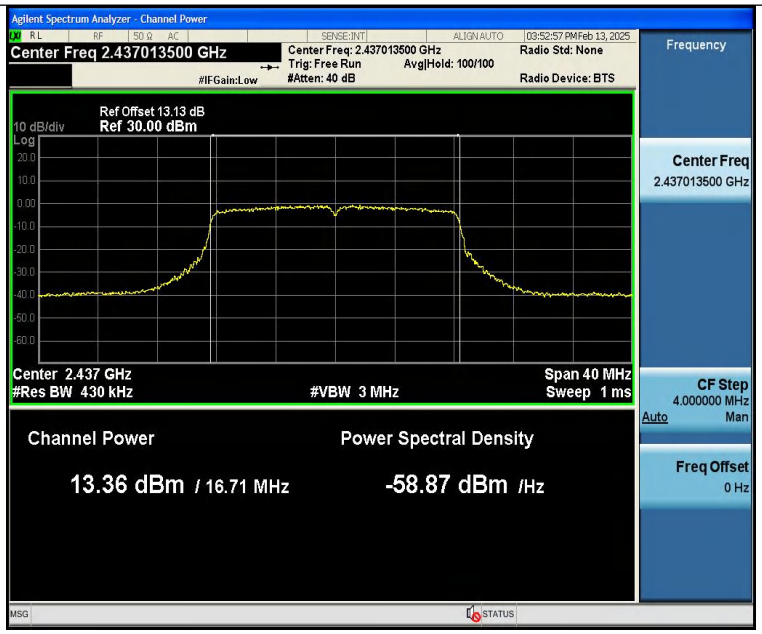
11B-Ant3-2462-PASS



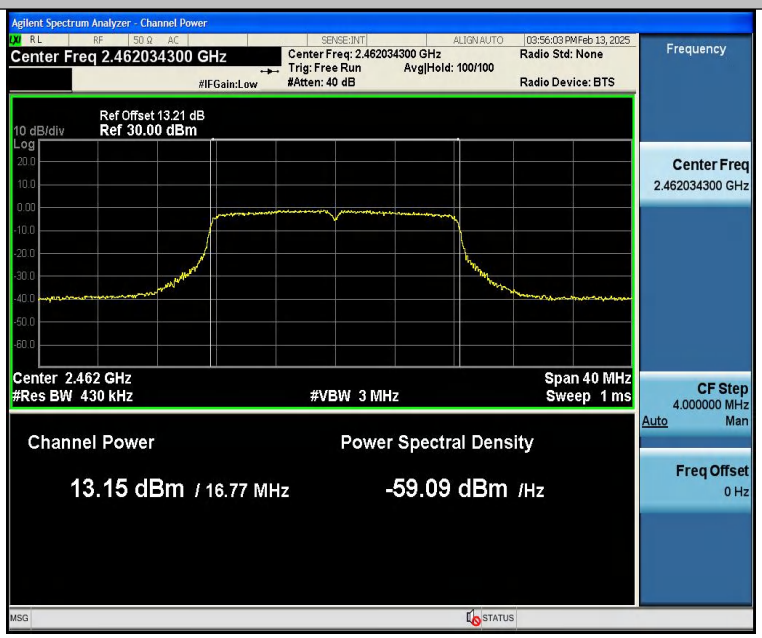
11G-Ant3-2412-PASS



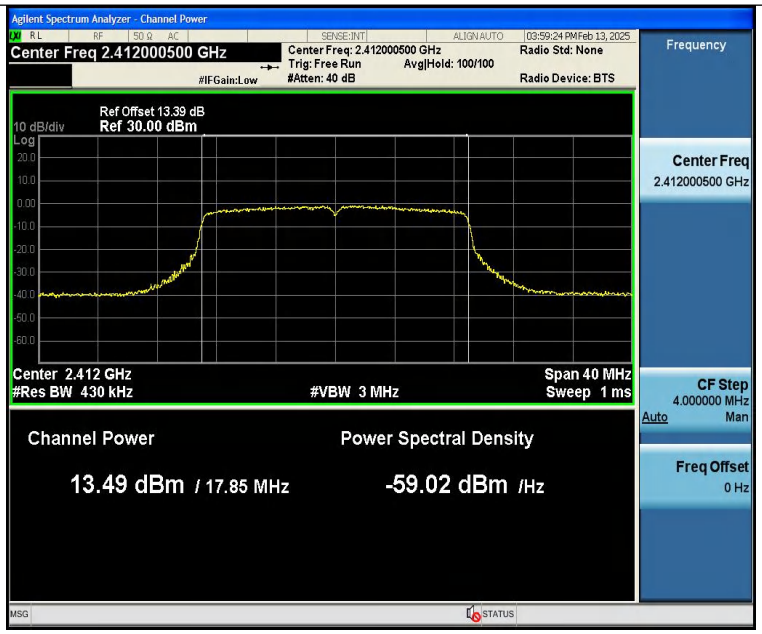
11G-Ant3-2437-PASS



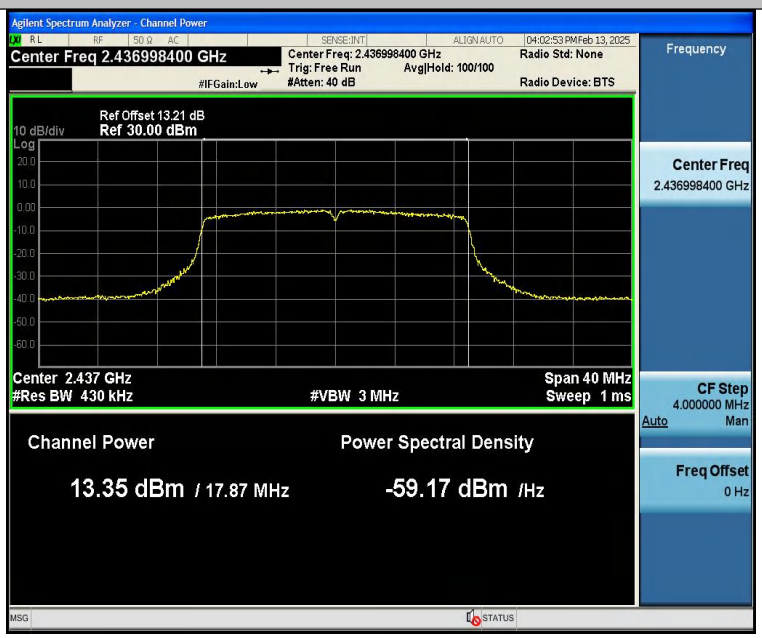
11G-Ant3-2462-PASS



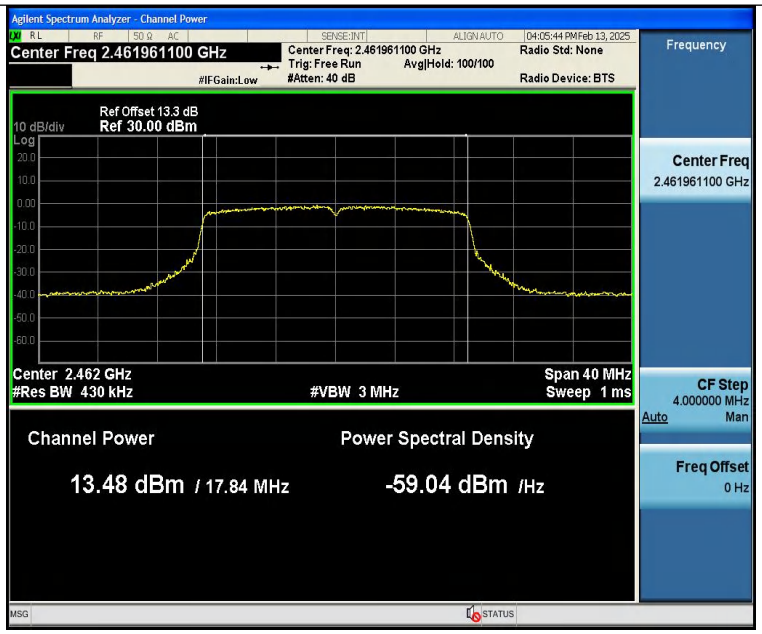
11N20SISO-Ant3-2412-PASS



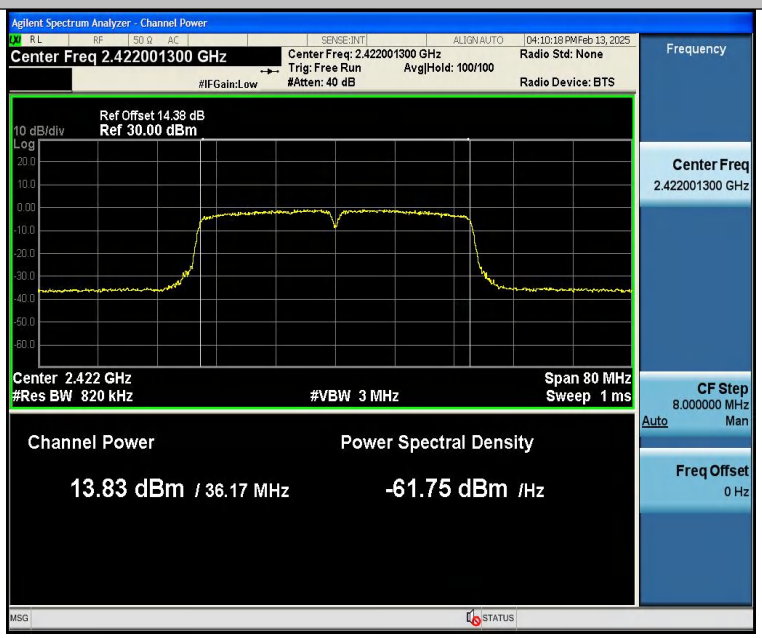
11N20SISO-Ant3-2437-PASS



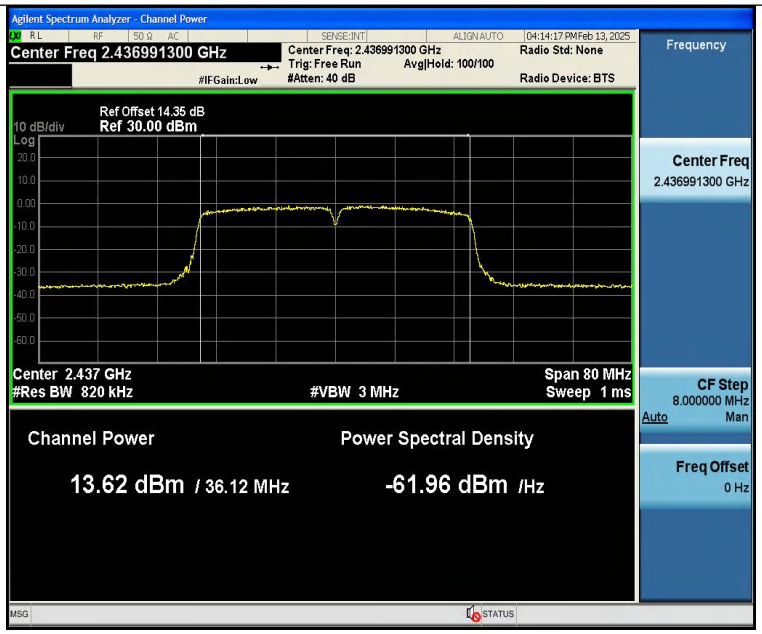
11N20SISO-Ant3-2462-PASS



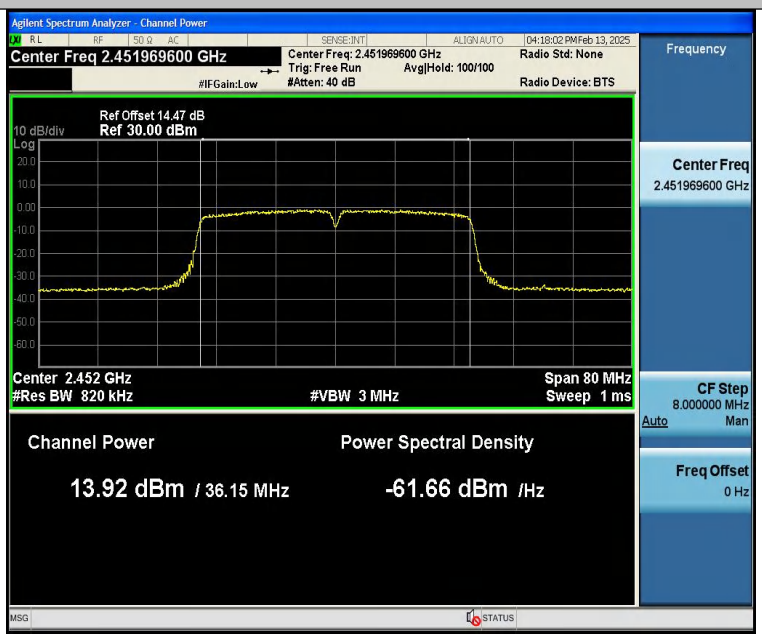
11N40SISO-Ant3-2422-PASS



11N40SISO-Ant3-2437-PASS



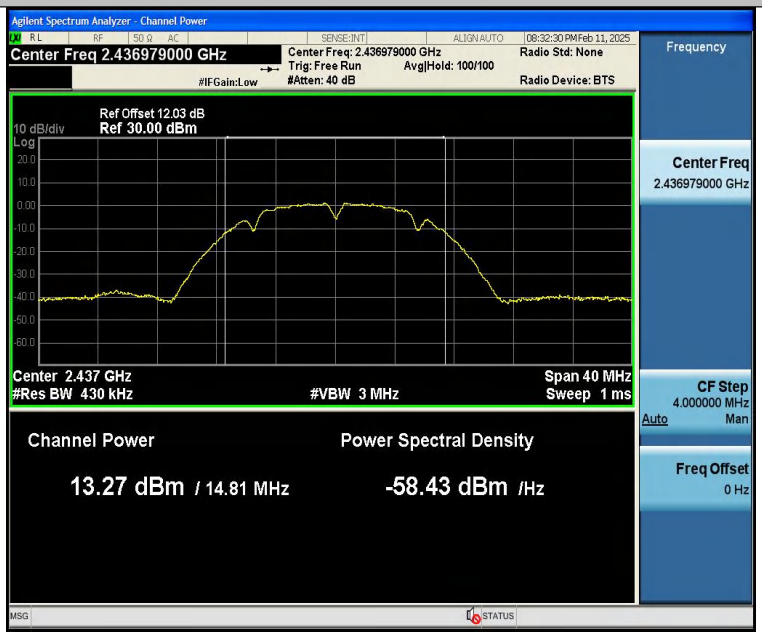
11N40SISO-Ant3-2452-PASS



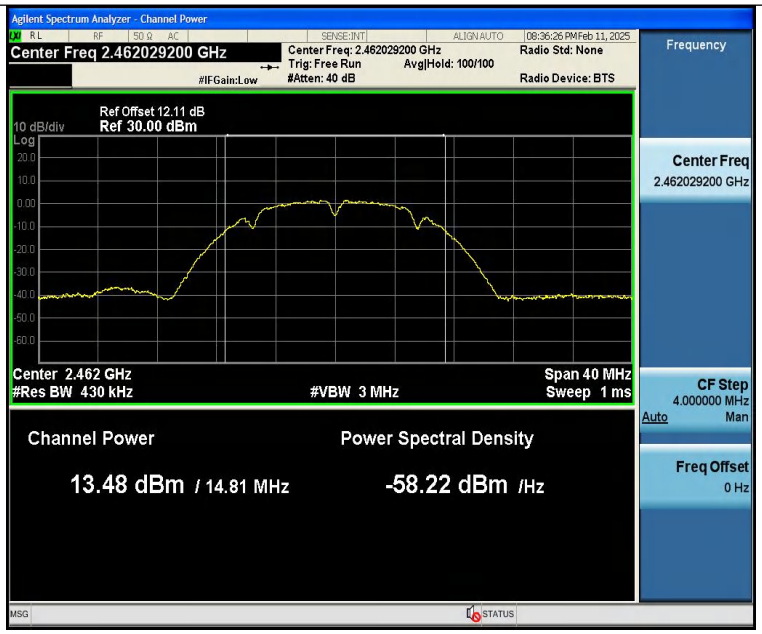
Ant4:

11B-Ant4-2412-PASS

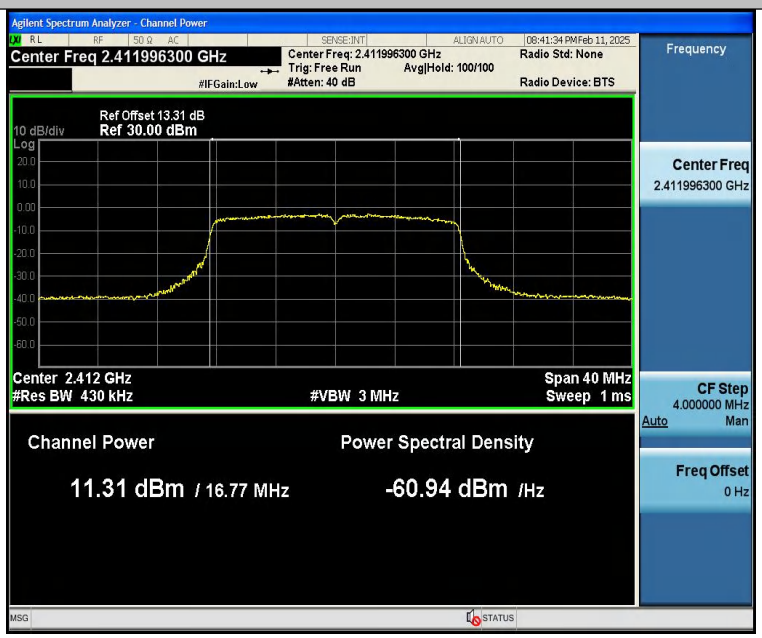
11B-Ant4-2437-PASS



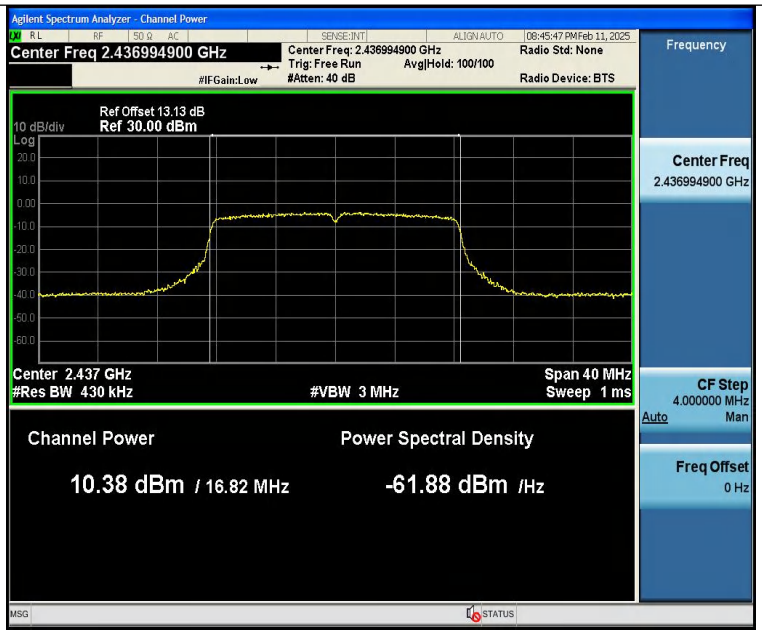
11B-Ant4-2462-PASS



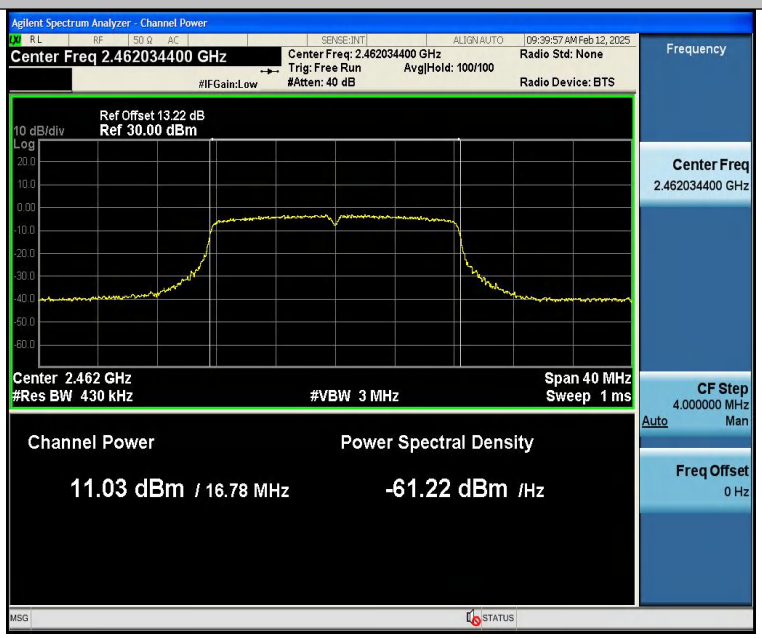
11G-Ant4-2412-PASS



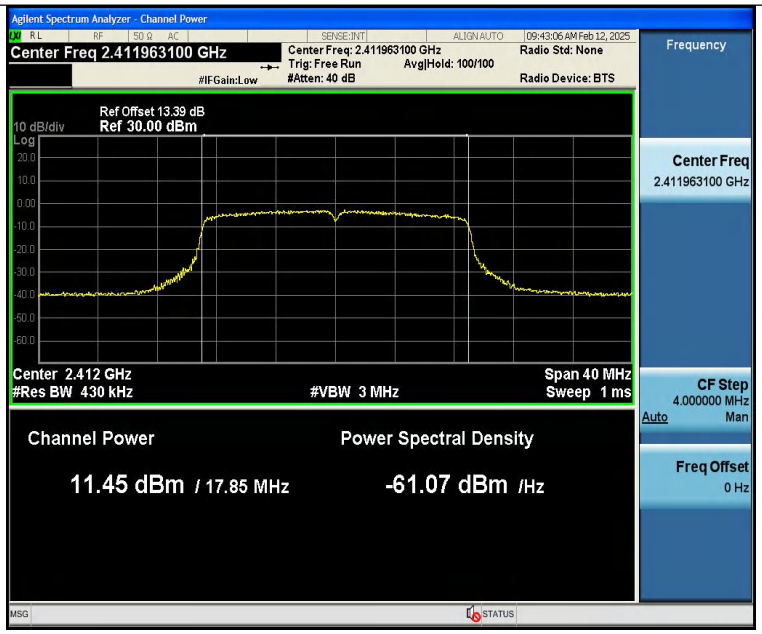
11G-Ant4-2437-PASS



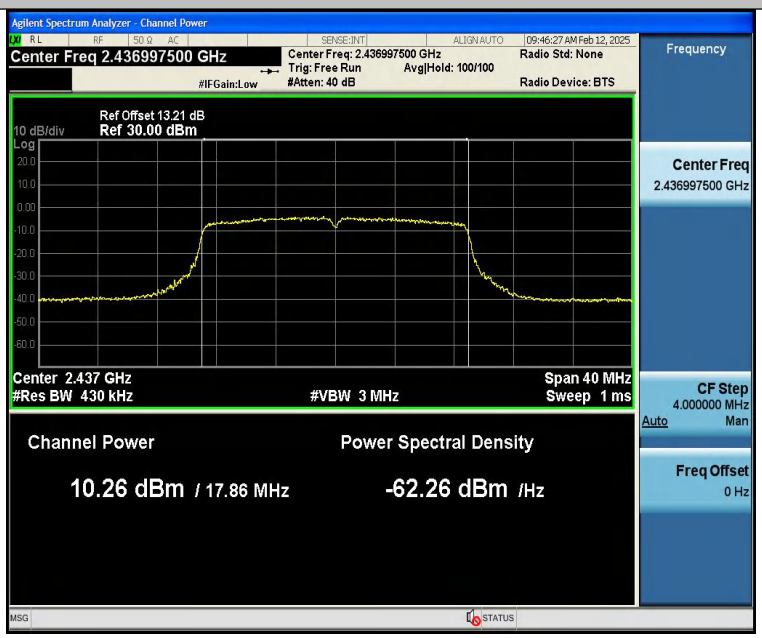
11G-Ant4-2462-PASS



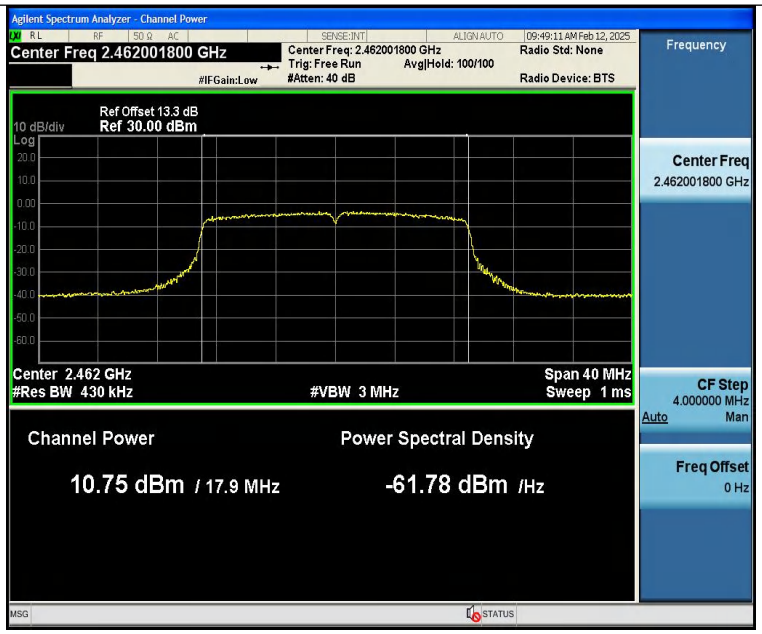
11N20SISO-Ant4-2412-PASS



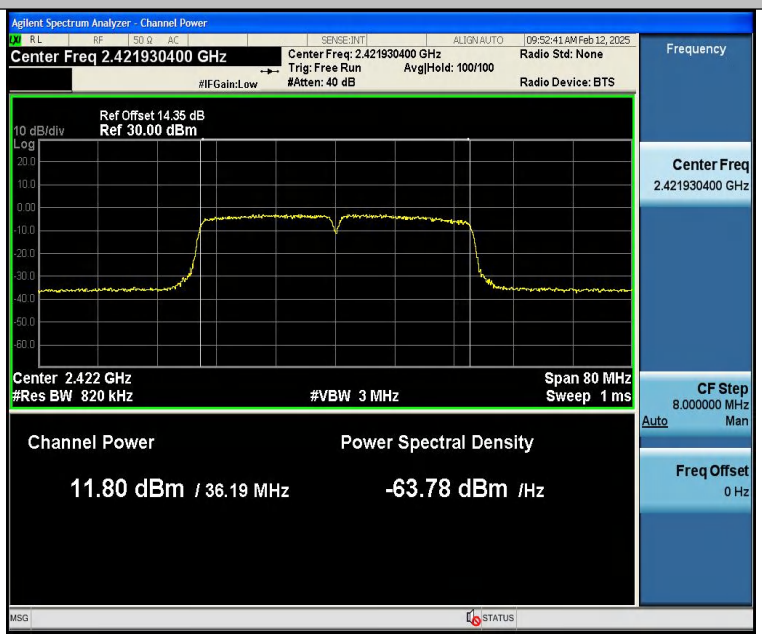
11N20SISO-Ant4-2437-PASS



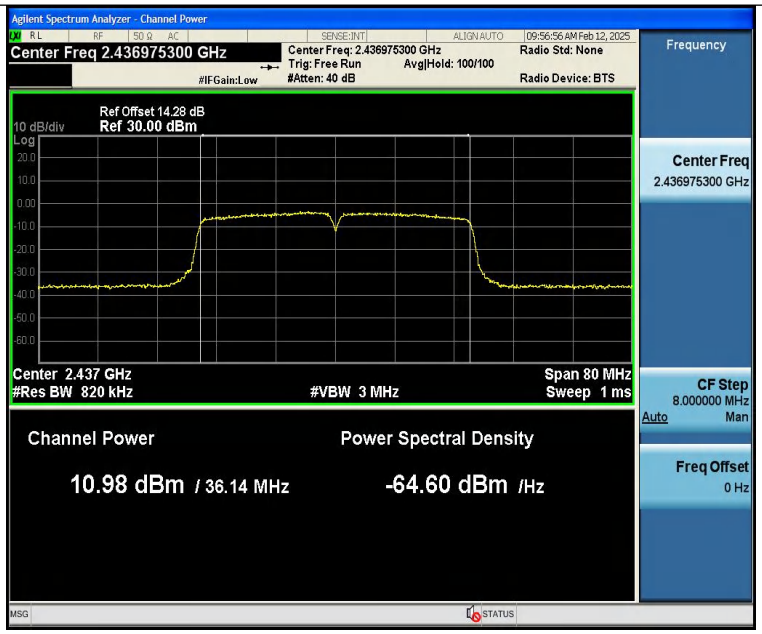
11N20SISO-Ant4-2462-PASS



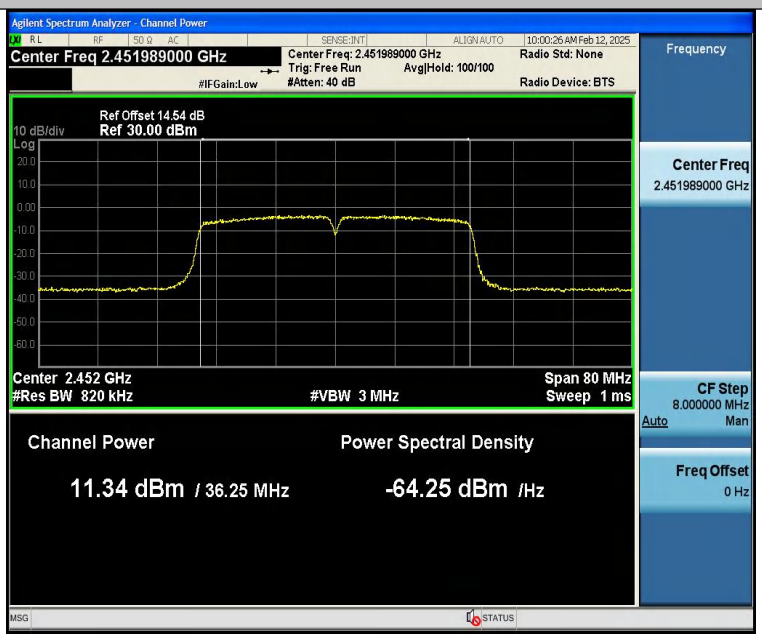
11N40SISO-Ant4-2422-PASS



11N40SISO-Ant4-2437-PASS



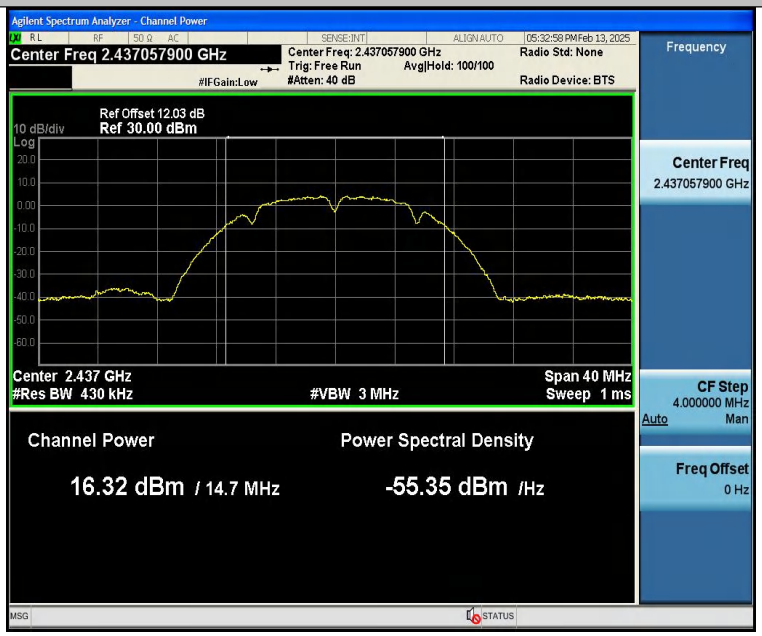
11N40SISO-Ant4-2452-PASS



Ant5:

11B-Ant5-2412-PASS

11B-Ant5-2437-PASS



11B-Ant5-2462-PASS