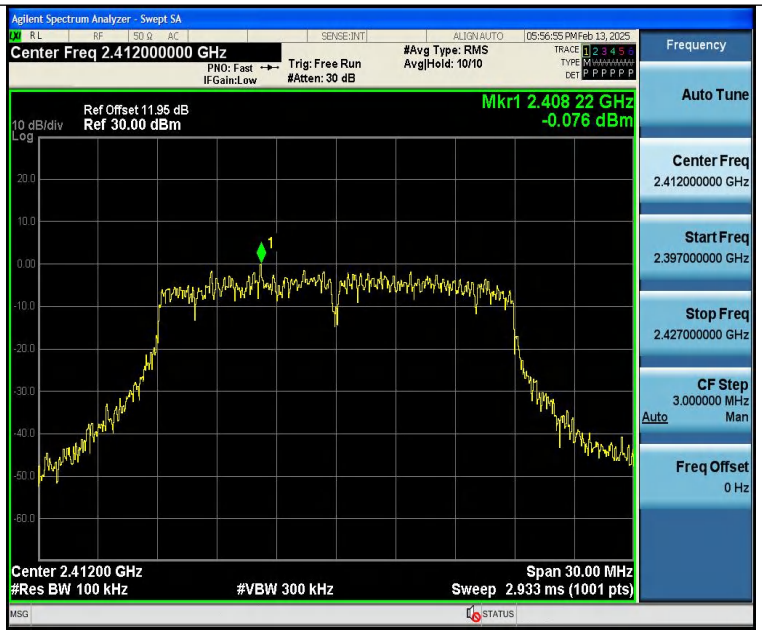
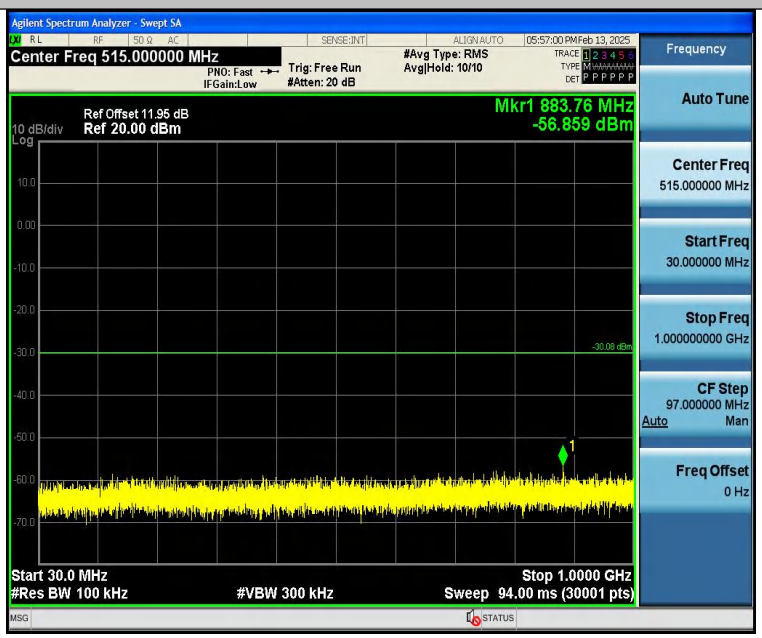
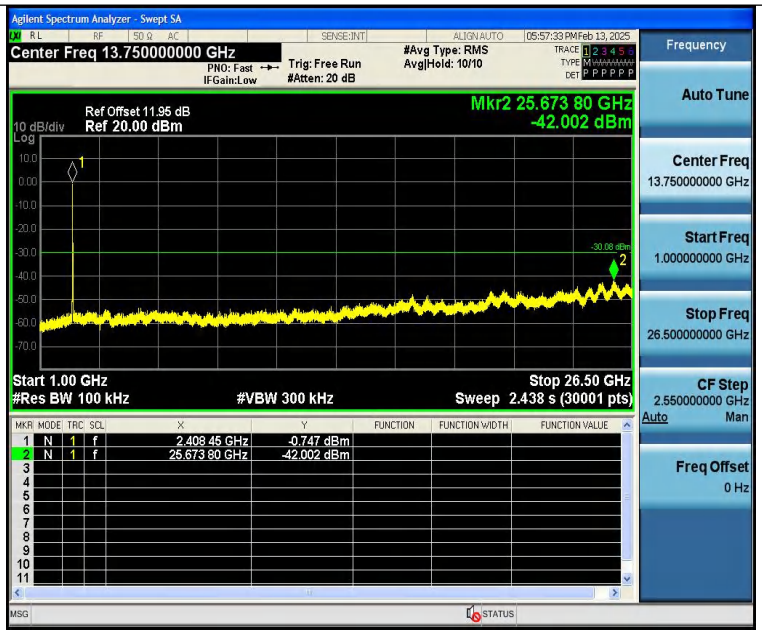


11N20SISO-Ant5-2412-30~1000-PASS

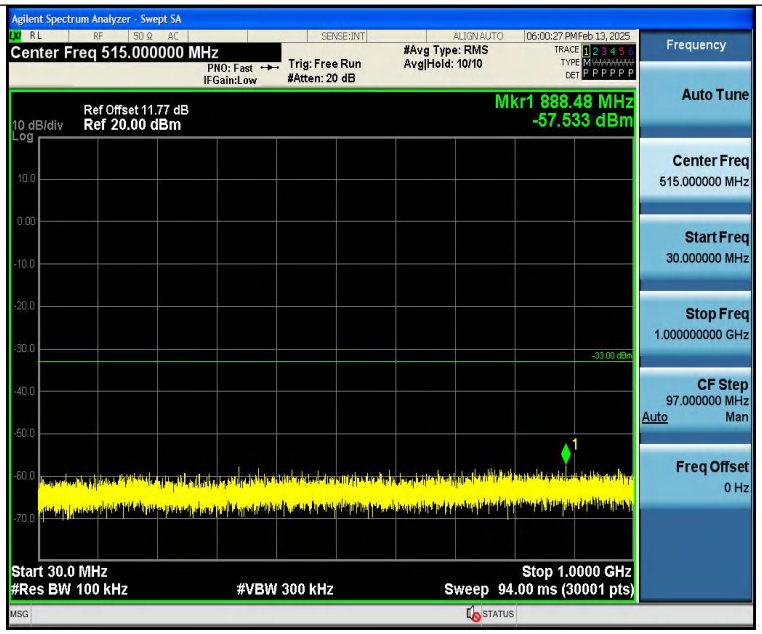


11N20SISO-Ant5-2412-1000~26500-PASS



11N20SISO-Ant5-2437-0~Reference-PASS

11N20SISO-Ant5-2437-30~1000-PASS



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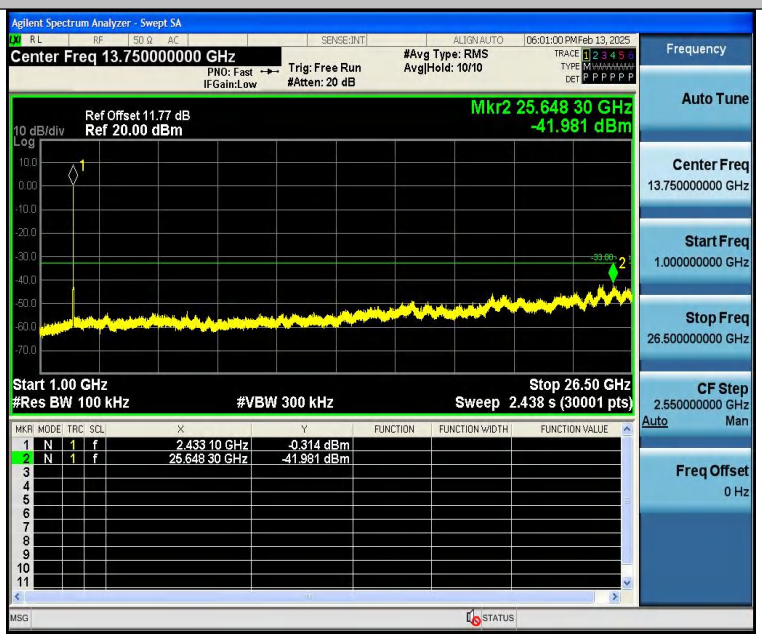

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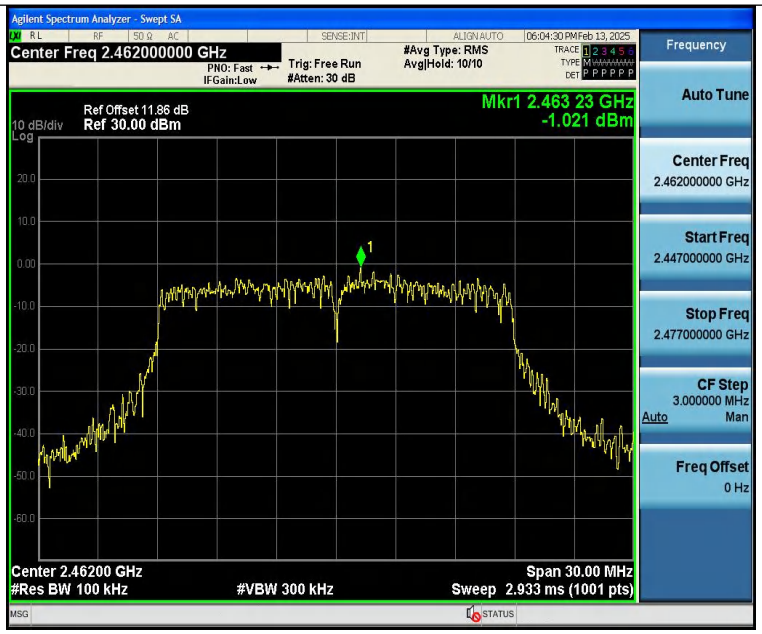
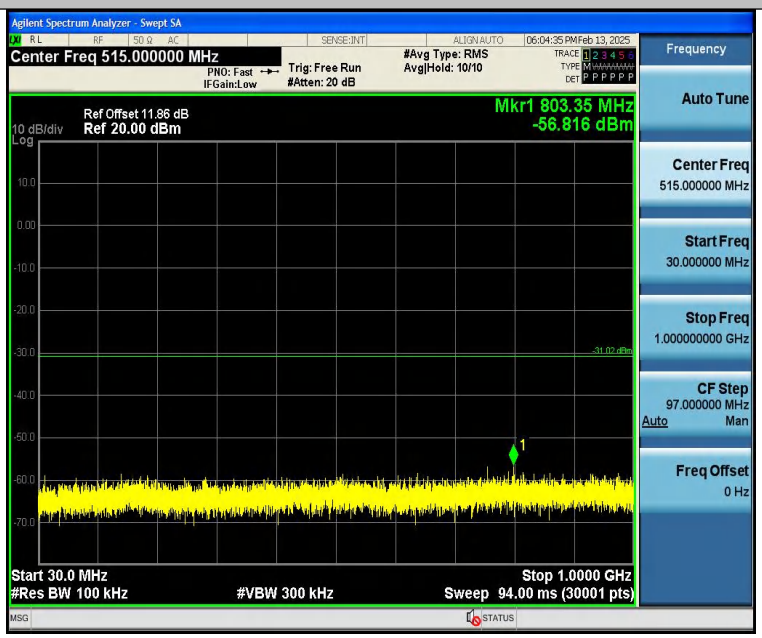
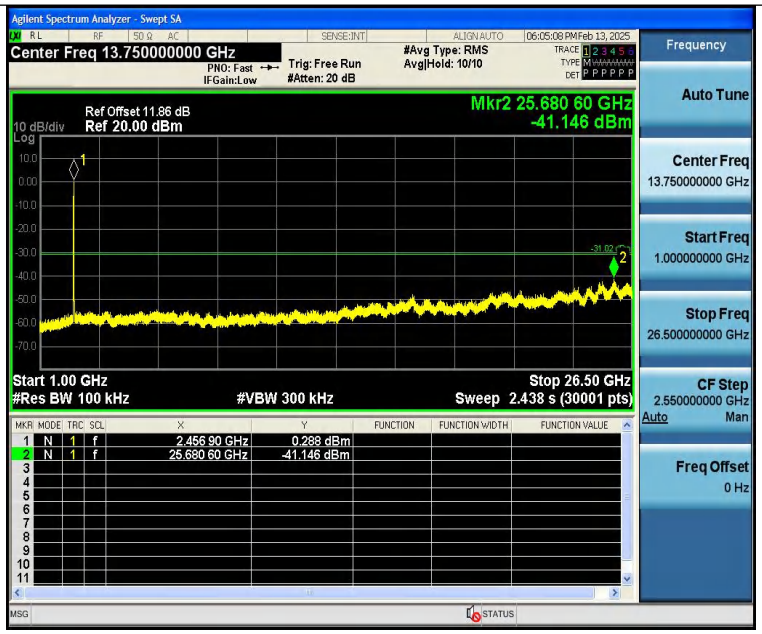


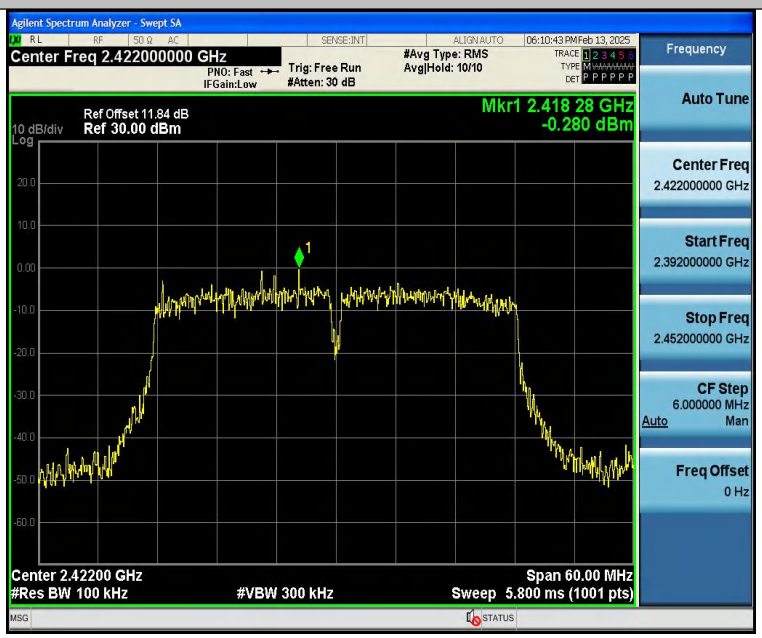
11N20SISO-Ant5-2462-30~1000-PASS



11N20SISO-Ant5-2462-1000~26500-PASS



11N40SISO-Ant5-2422-0~Reference-PASS



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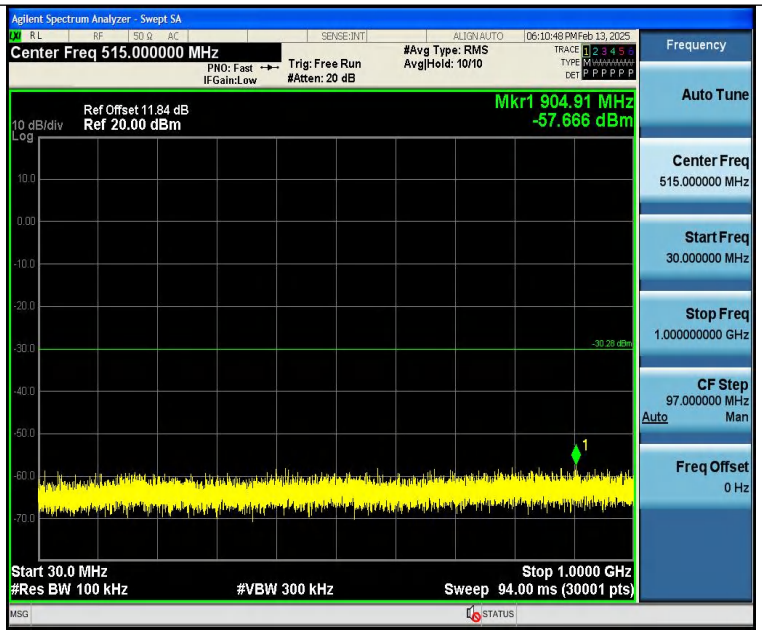

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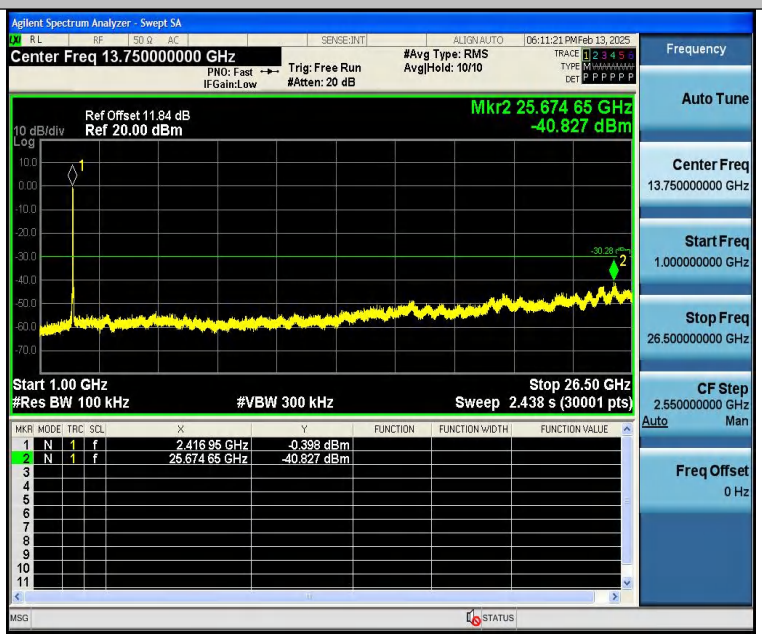

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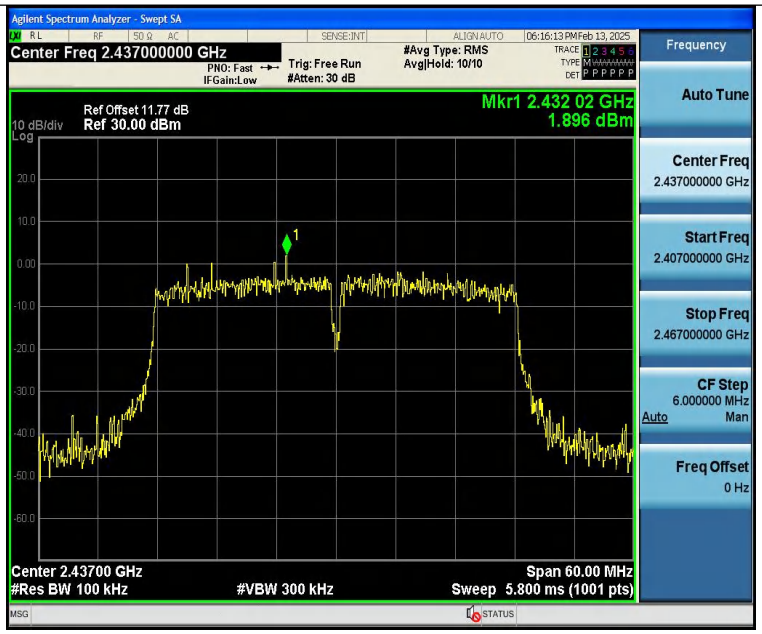
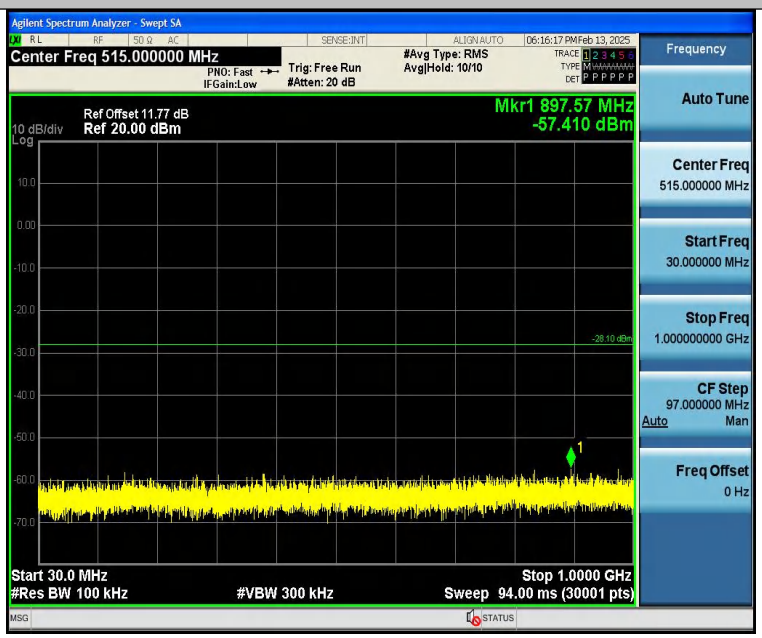


11N40SISO-Ant5-2437-30~1000-PASS



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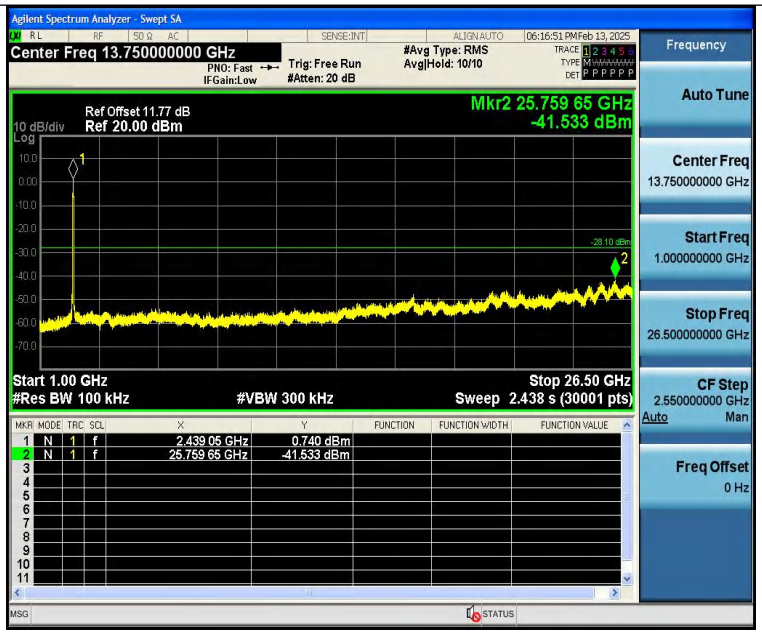
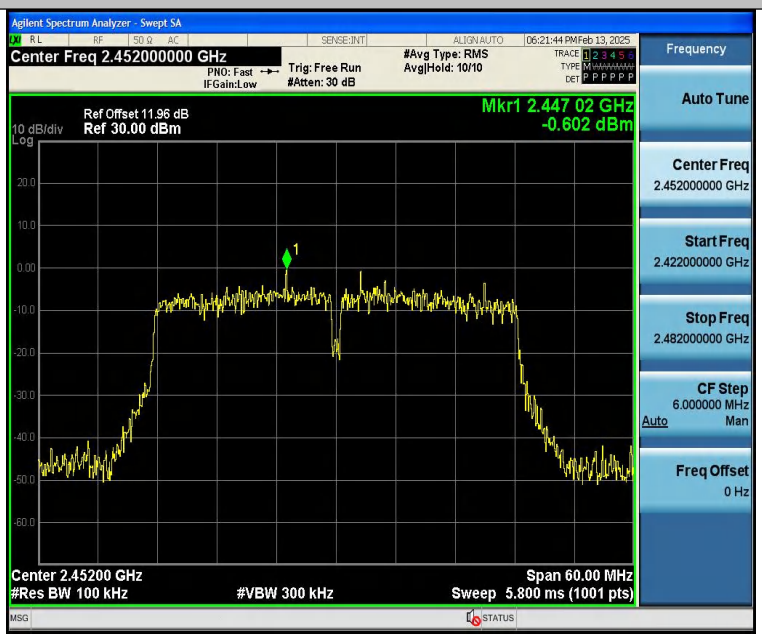
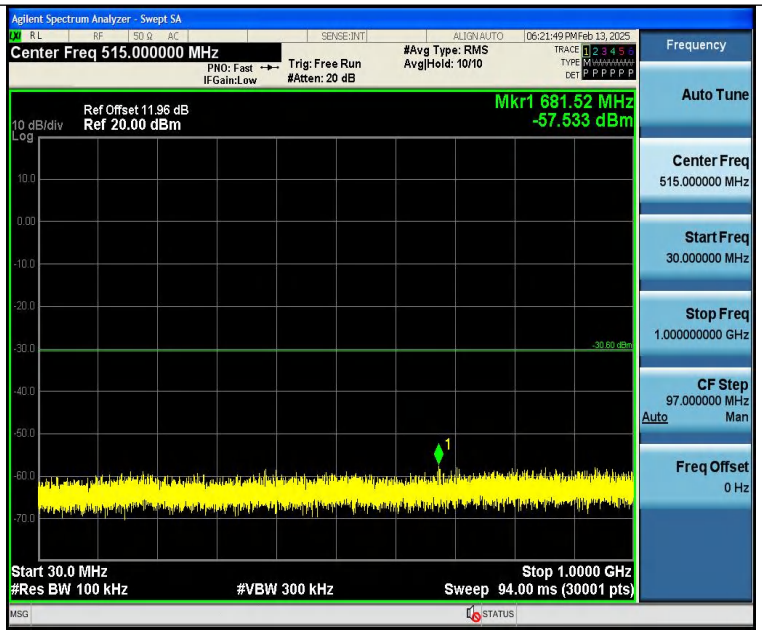


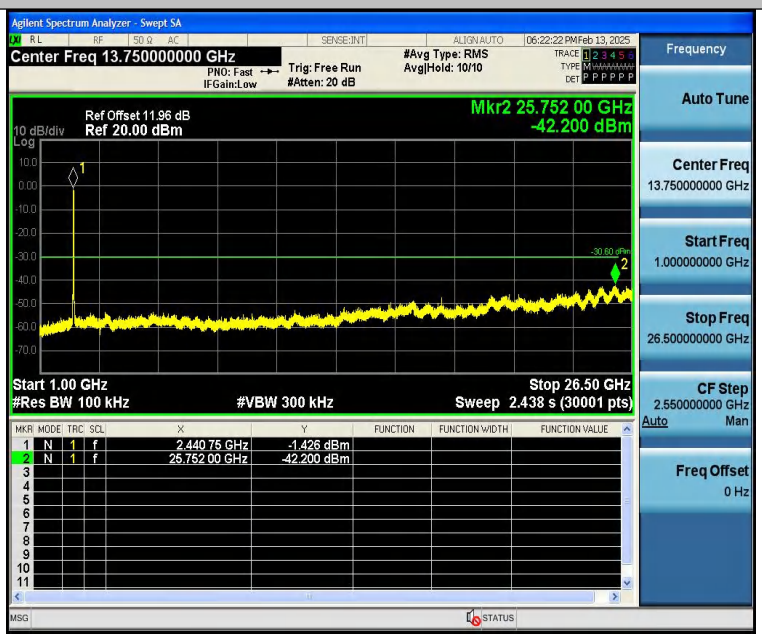
11N40SISO-Ant5-2452-0~Reference-PASS



11N40SISO-Ant5-2452-30~1000-PASS



11N40SISO-Ant5-2452-1000~26500-PASS



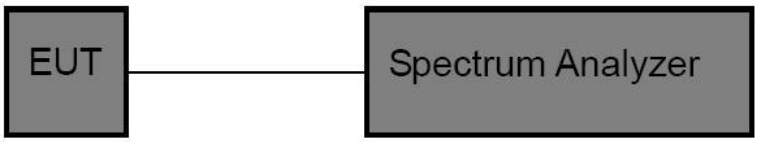
8 Band Edge Measurement

Test Requirement	:	Section 15.247(d) In addition, radiated emissions which fall in the restricted bands. as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).
Test Method	:	ANSI C63.10:2013
Test Limit	:	Regulation 15.247 (d),In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

8.1Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz, Sweep = auto
Detector function = peak, Trace = max hold

8.2Test Setup



8.3Test Result

Ant0:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant0	Low	2412	4.96	-37.39	≤-15.04	PASS
11B	Ant0	High	2462	3.87	-46.98	≤-16.13	PASS
11G	Ant0	Low	2412	0.38	-35.63	≤-19.62	PASS
11G	Ant0	High	2462	-0.14	-45.66	≤-20.14	PASS
11N20SISO	Ant0	Low	2412	0.44	-34.11	≤-19.56	PASS
11N20SISO	Ant0	High	2462	-0.46	-46.03	≤-20.46	PASS
11N40SISO	Ant0	Low	2422	-2.07	-41.99	≤-22.07	PASS
11N40SISO	Ant0	High	2452	-1.12	-44.19	≤-21.12	PASS

Ant1:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	4.91	-39.02	≤-25.09	PASS
11B	Ant1	High	2462	3.93	-46.31	≤-26.07	PASS
11G	Ant1	Low	2412	-0.29	-38.3	≤-30.29	PASS
11G	Ant1	High	2462	-0.29	-46.5	≤-30.29	PASS
11N20SISO	Ant1	Low	2412	0.53	-34.93	≤-29.47	PASS
11N20SISO	Ant1	High	2462	-0.24	-46.44	≤-30.24	PASS
11N40SISO	Ant1	Low	2422	-2.06	-36.53	≤-32.06	PASS
11N40SISO	Ant1	High	2452	-2.45	-42.84	≤-32.45	PASS

Ant2:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant2	Low	2412	4.96	-41.02	≤-25.04	PASS
11B	Ant2	High	2462	3.56	-46.1	≤-26.44	PASS
11G	Ant2	Low	2412	0.44	-39.37	≤-29.56	PASS
11G	Ant2	High	2462	1.74	-46.54	≤-28.26	PASS
11N20SISO	Ant2	Low	2412	-0.18	-37.5	≤-30.18	PASS
11N20SISO	Ant2	High	2462	1.13	-45.83	≤-28.87	PASS
11N40SISO	Ant2	Low	2422	-2.17	-41.97	≤-32.17	PASS
11N40SISO	Ant2	High	2452	-0.99	-44.99	≤-30.99	PASS

Ant3:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant3	Low	2412	7.59	-38.49	≤-22.41	PASS
11B	Ant3	High	2462	6.99	-46.32	≤-23.01	PASS
11G	Ant3	Low	2412	2.46	-36.84	≤-27.54	PASS
11G	Ant3	High	2462	2.30	-46.5	≤-27.7	PASS
11N20SISO	Ant3	Low	2412	2.35	-35.57	≤-27.65	PASS
11N20SISO	Ant3	High	2462	2.34	-44.34	≤-27.66	PASS
11N40SISO	Ant3	Low	2422	0.21	-39.29	≤-29.79	PASS
11N40SISO	Ant3	High	2452	0.27	-42.49	≤-29.73	PASS

Ant4:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant4	Low	2412	4.91	-39.02	≤-25.09	PASS
11B	Ant4	High	2462	3.93	-46.31	≤-26.07	PASS
11G	Ant4	Low	2412	-0.29	-38.3	≤-30.29	PASS
11G	Ant4	High	2462	-0.29	-46.5	≤-30.29	PASS
11N20SISO	Ant4	Low	2412	0.53	-34.93	≤-29.47	PASS
11N20SISO	Ant4	High	2462	-0.24	-46.44	≤-30.24	PASS
11N40SISO	Ant4	Low	2422	-2.06	-36.53	≤-32.06	PASS
11N40SISO	Ant4	High	2452	-2.45	-42.84	≤-32.45	PASS

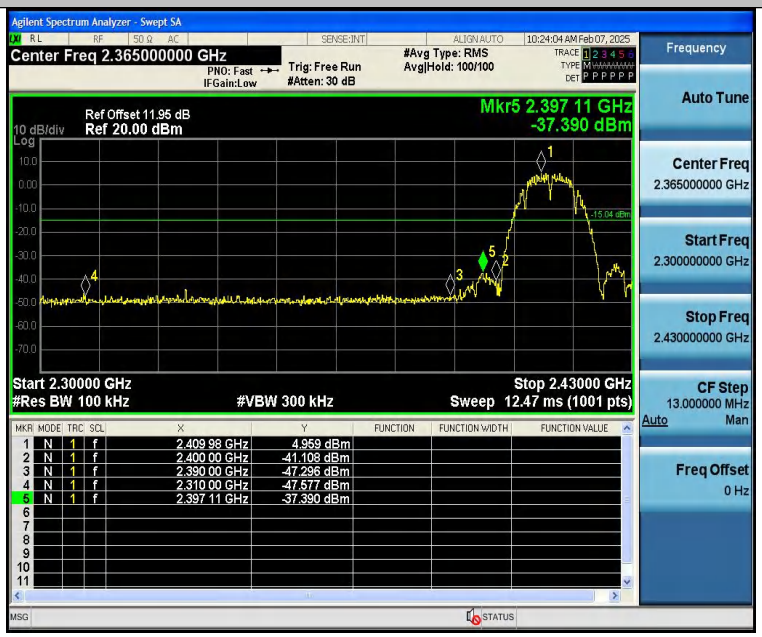
Ant5:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant5	Low	2412	5.82	-40.95	≤-24.18	PASS
11B	Ant5	High	2462	5.71	-44.48	≤-24.29	PASS
11G	Ant5	Low	2412	2.48	-36.92	≤-27.52	PASS
11G	Ant5	High	2462	0.77	-46.34	≤-29.24	PASS
11N20SISO	Ant5	Low	2412	1.52	-35.62	≤-28.48	PASS
11N20SISO	Ant5	High	2462	1.79	-44.12	≤-28.21	PASS
11N40SISO	Ant5	Low	2422	0.03	-38.94	≤-29.97	PASS
11N40SISO	Ant5	High	2452	-0.62	-44.03	≤-30.62	PASS

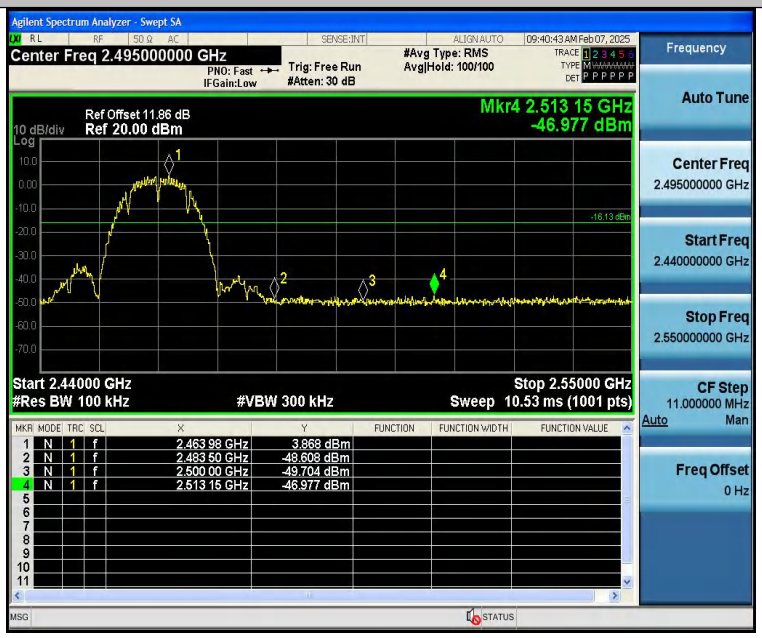
Test Graphs:

Ant0:

11B-Ant0-2412-PASS

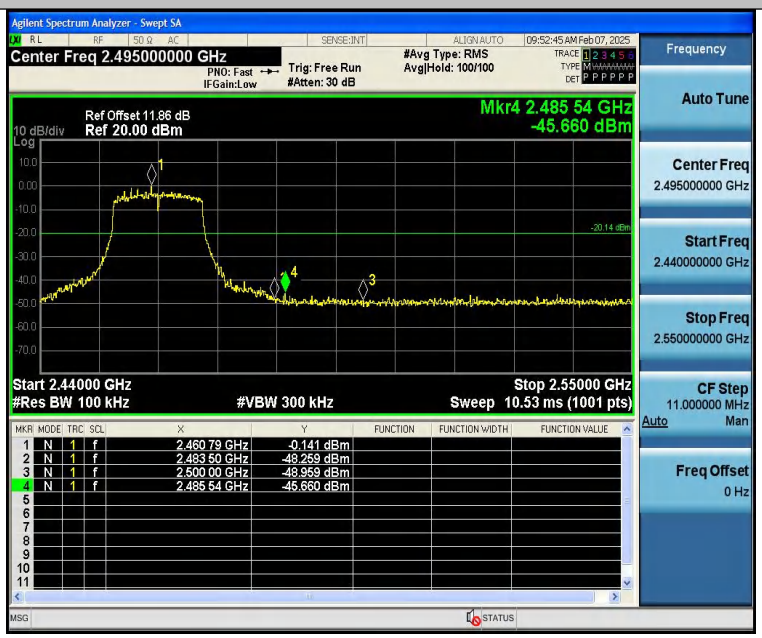


11B-Ant0-2462-PASS



11G-Ant0-2412-PASS

11G-Ant0-2462-PASS



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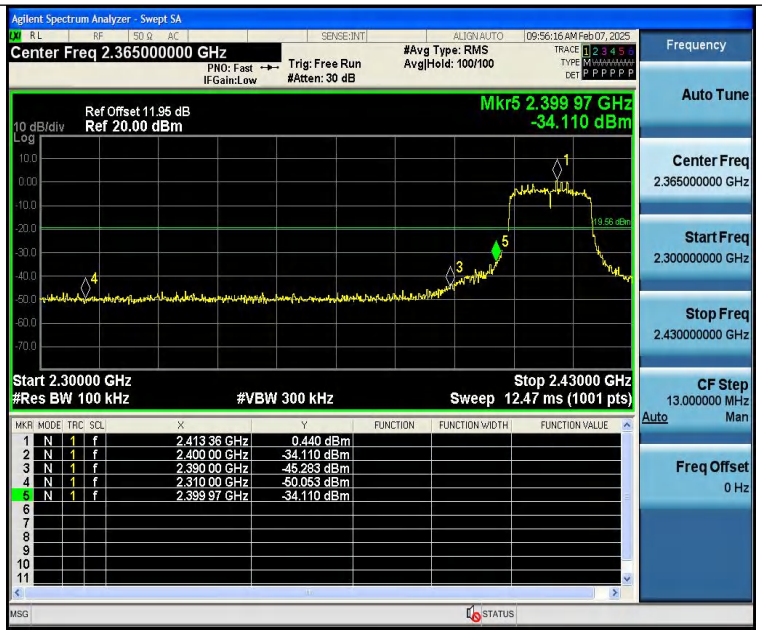

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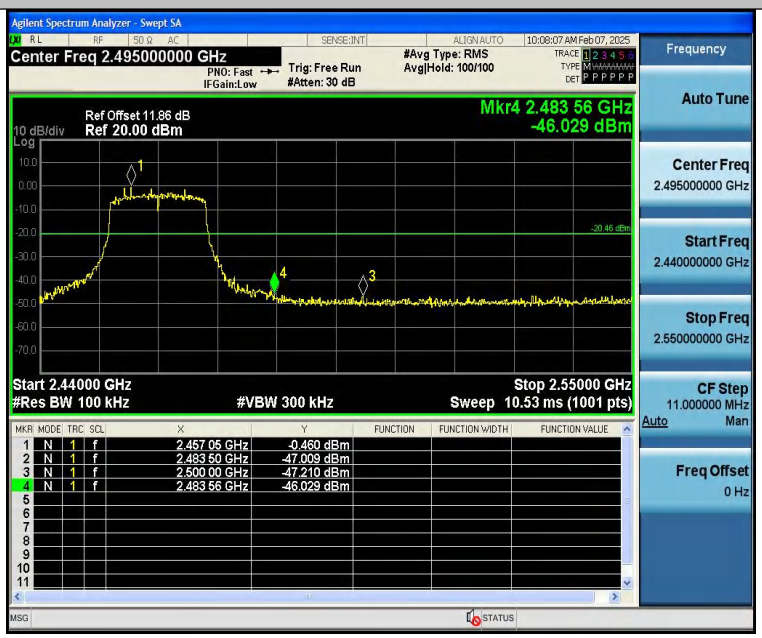
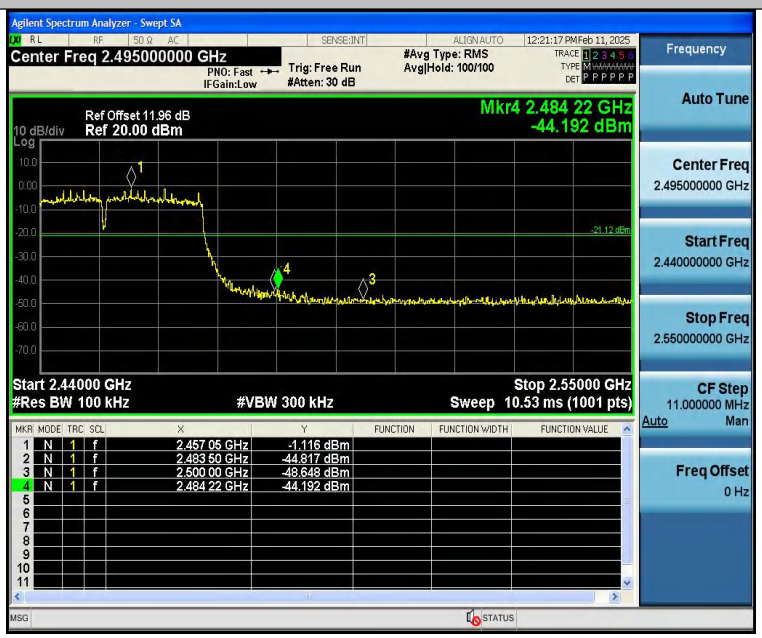


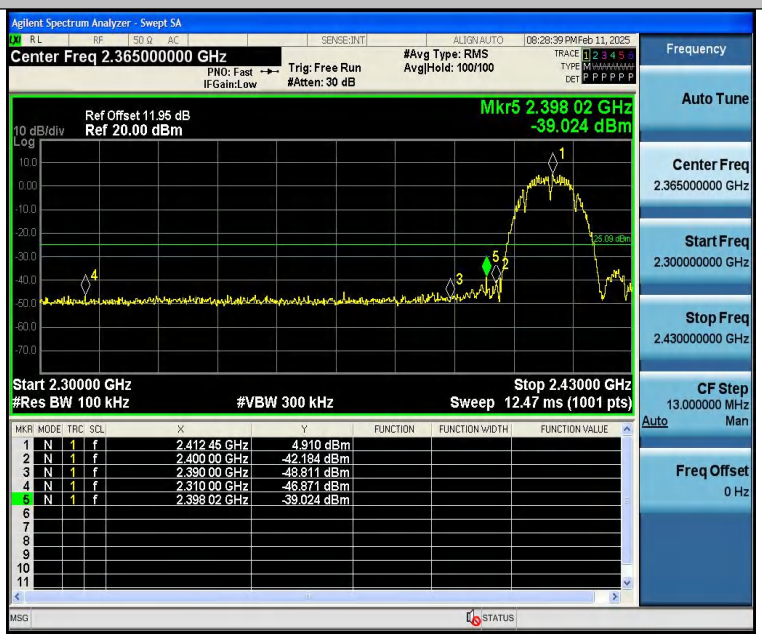
11N40SISO-Ant0-2422-PASS

11N40SISO-Ant0-2452-PASS

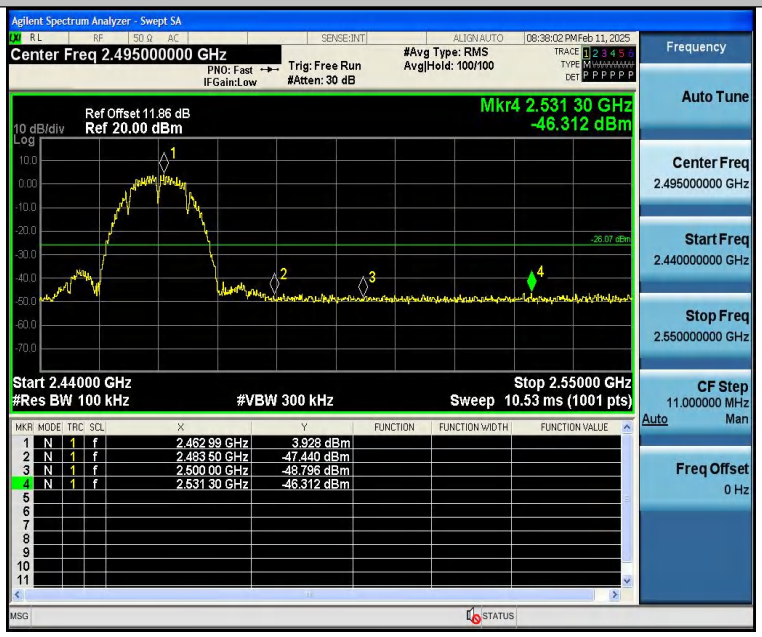


Ant1:

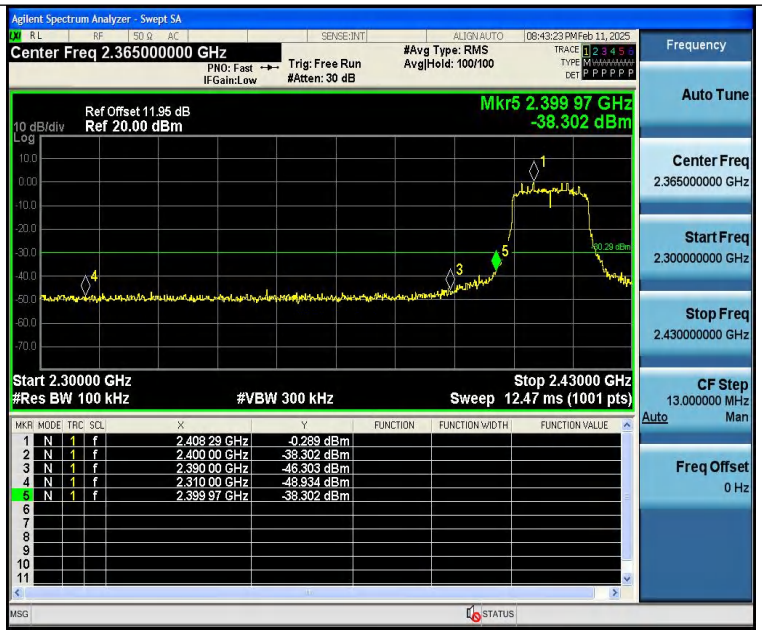
11B-Ant1-2412-PASS



11B-Ant1-2462-PASS



11G-Ant1-2412-PASS



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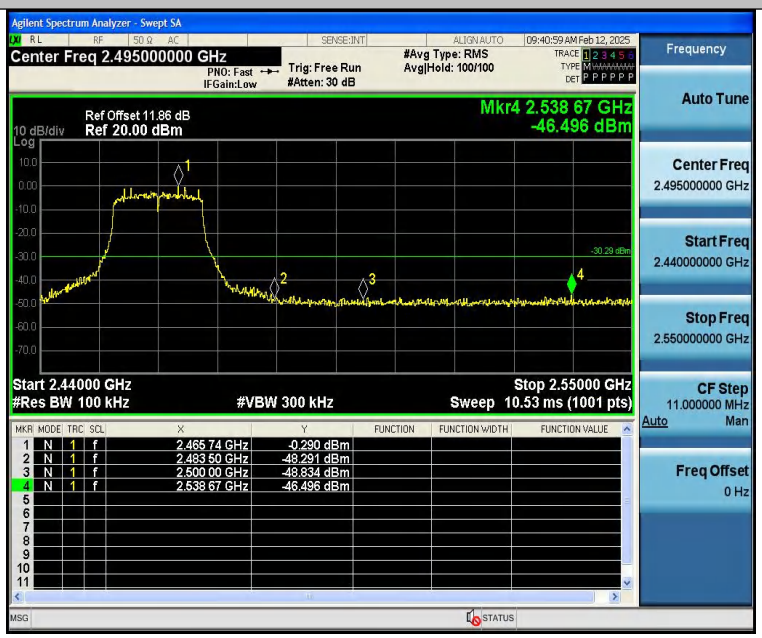

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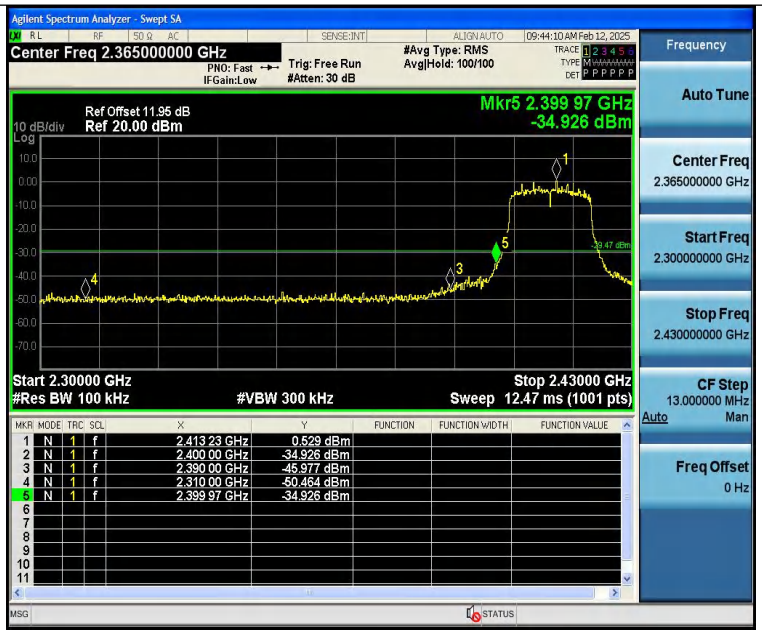
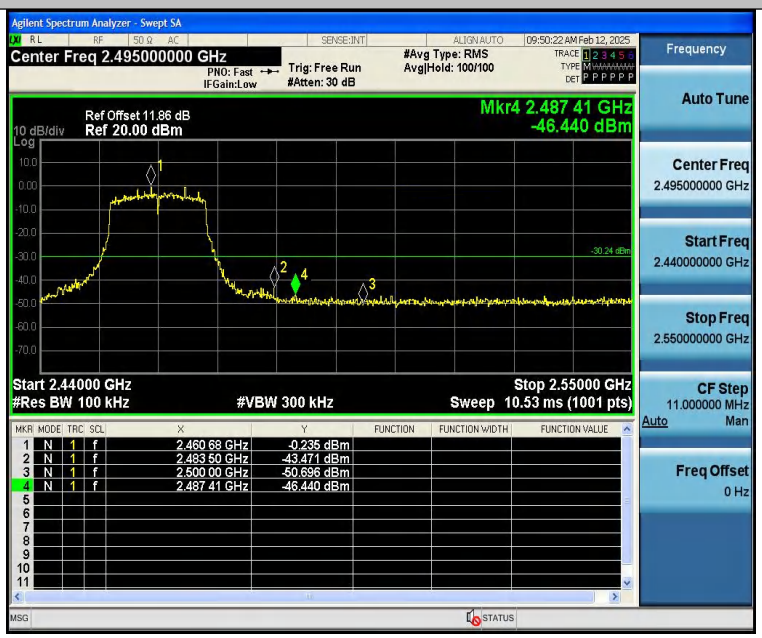
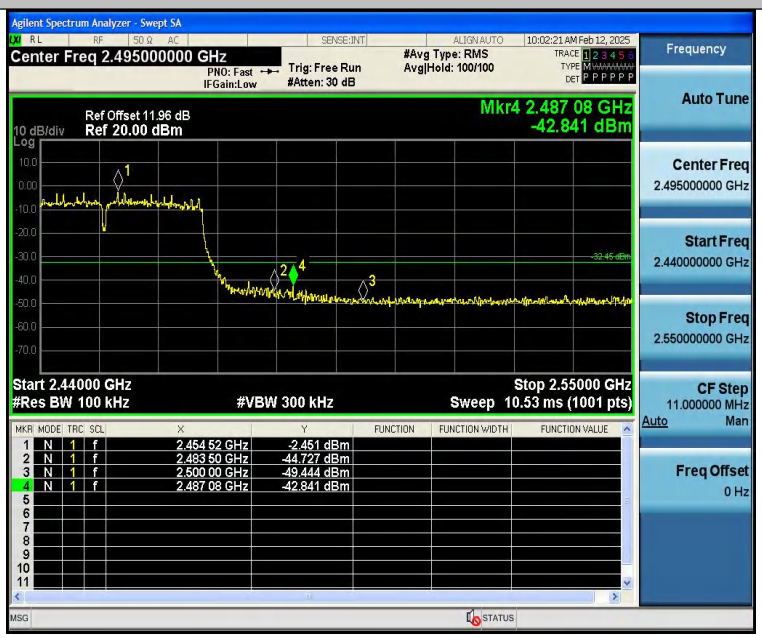


11N20SISO-Ant1-2462-PASS



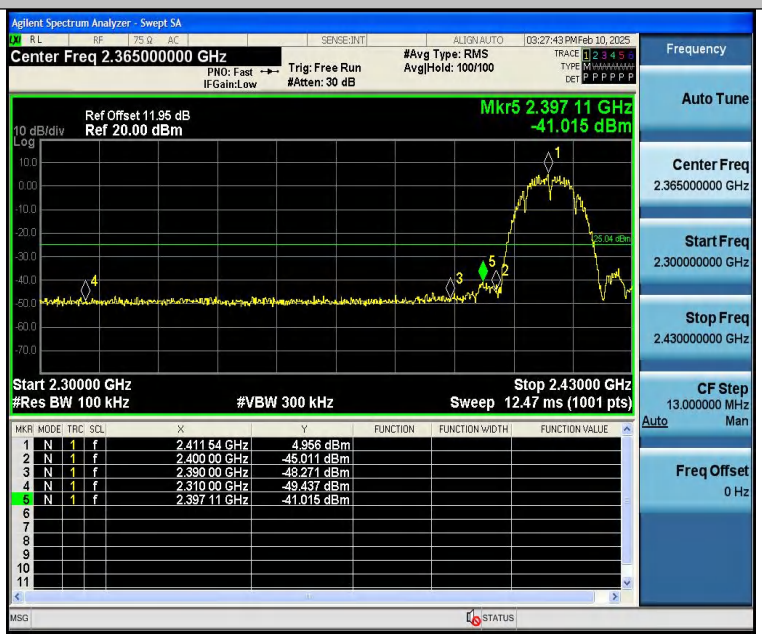
11N40SISO-Ant1-2422-PASS

11N40SISO-Ant1-2452-PASS

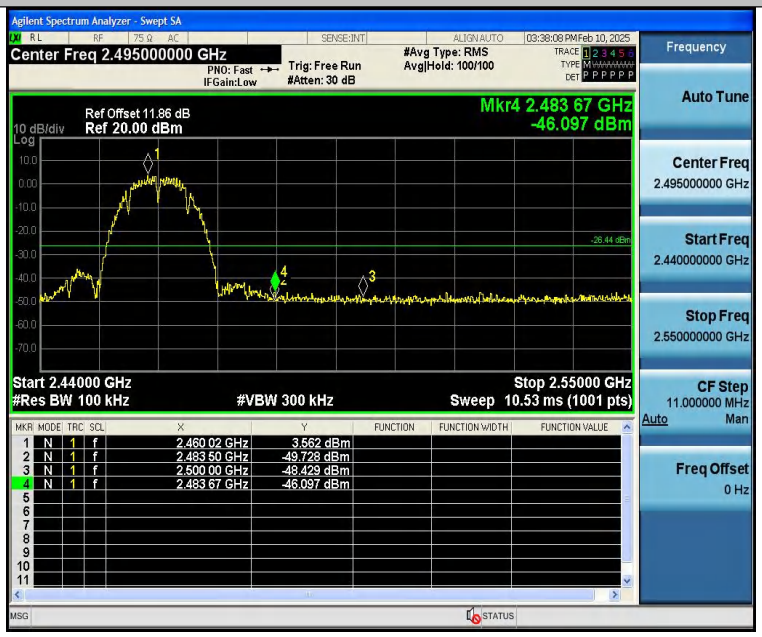


Ant2:

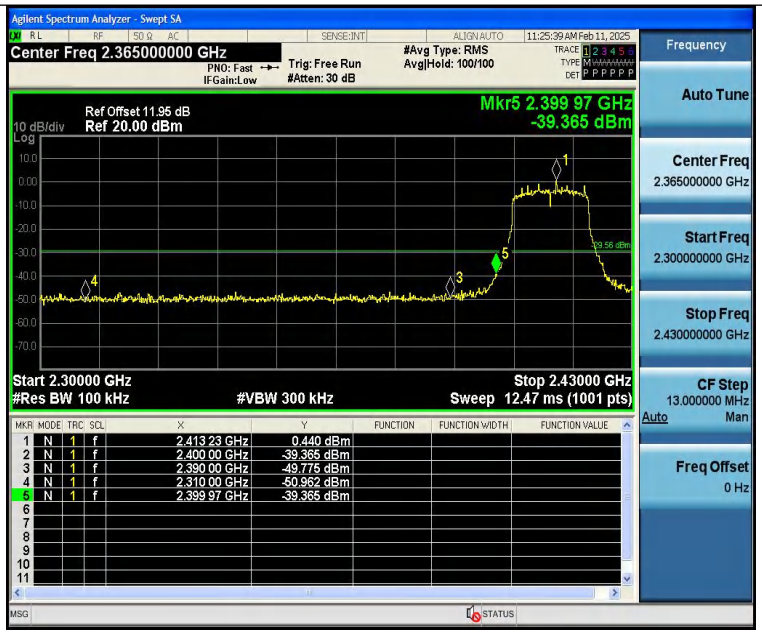
11B-Ant2-2412-PASS



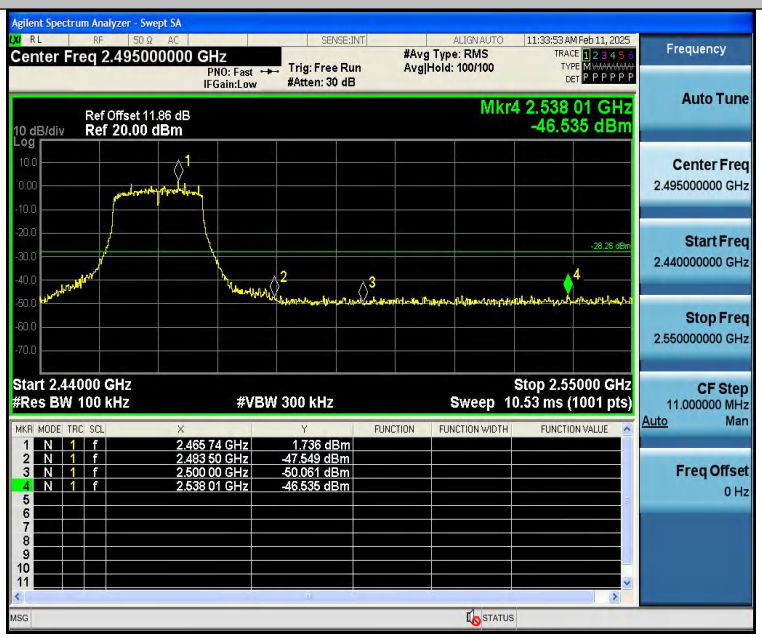
11B-Ant2-2462-PASS



11G-Ant2-2412-PASS



11G-Ant2-2462-PASS



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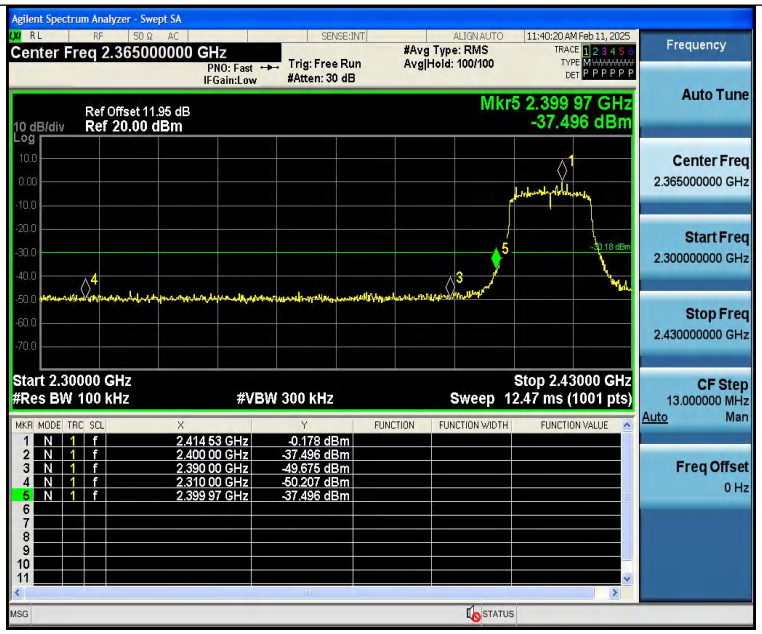

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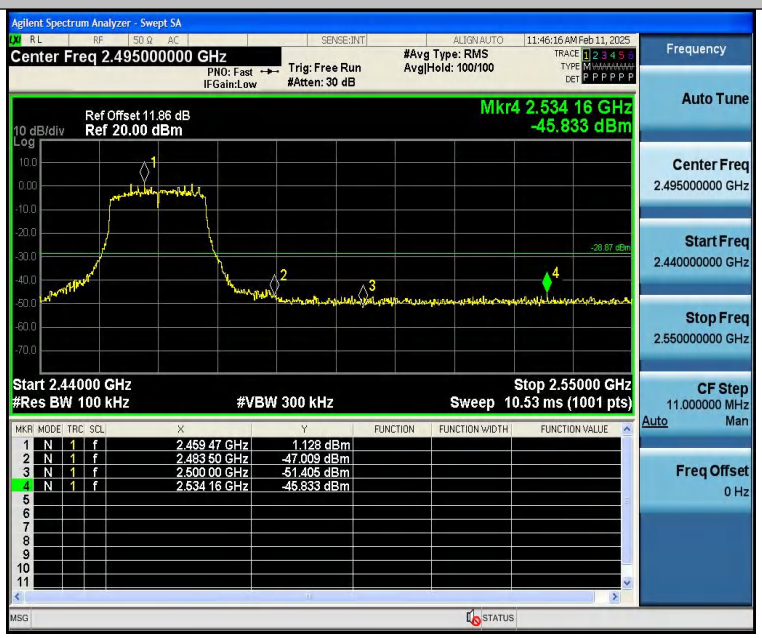

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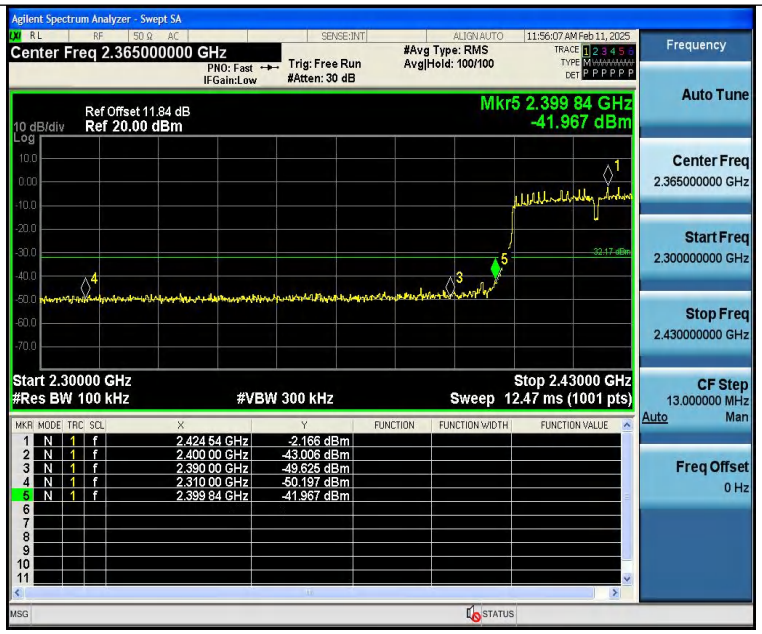
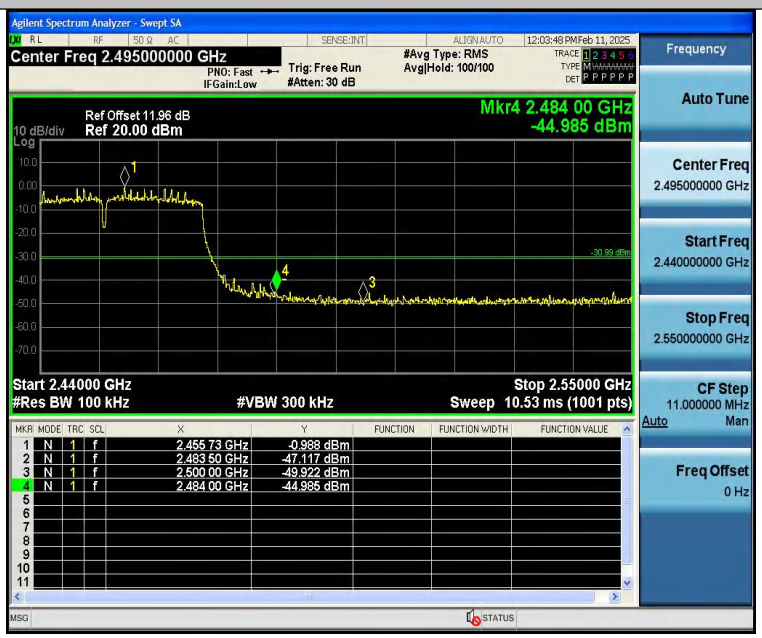
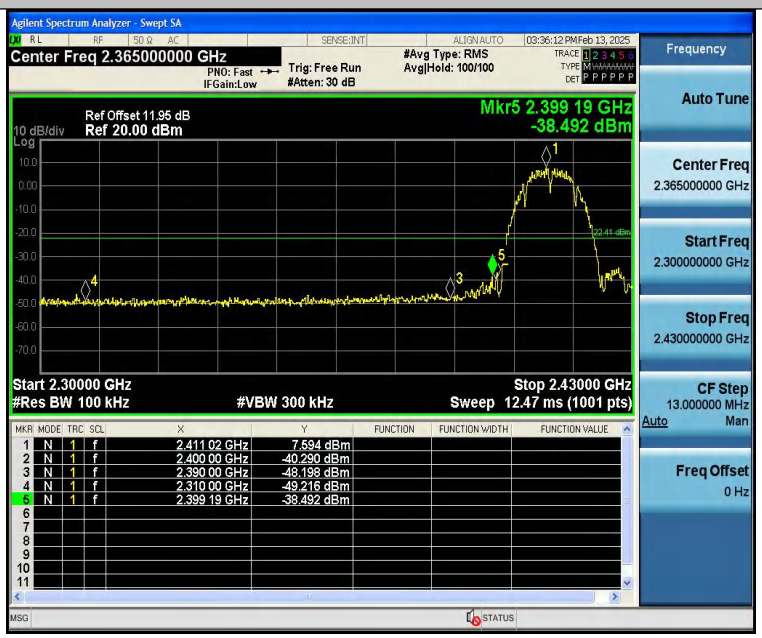


11N40SISO-Ant2-2452-PASS

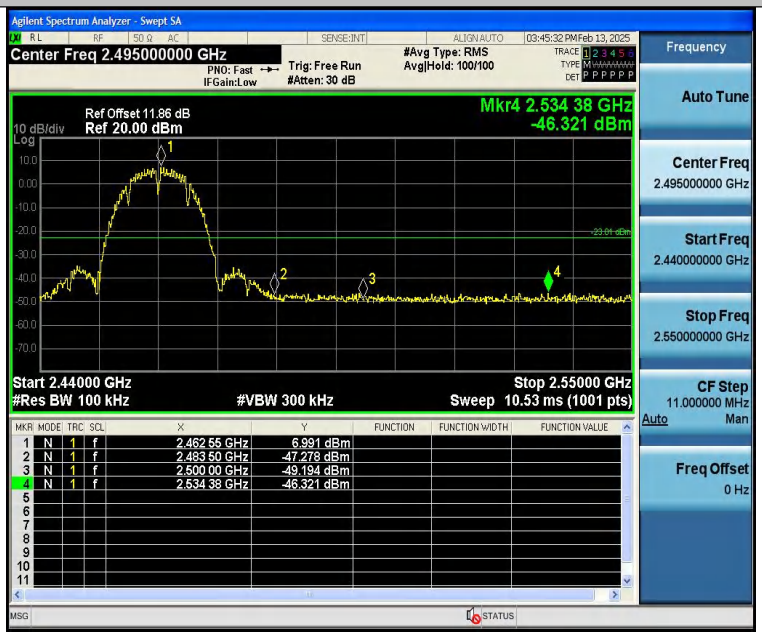


Ant3:

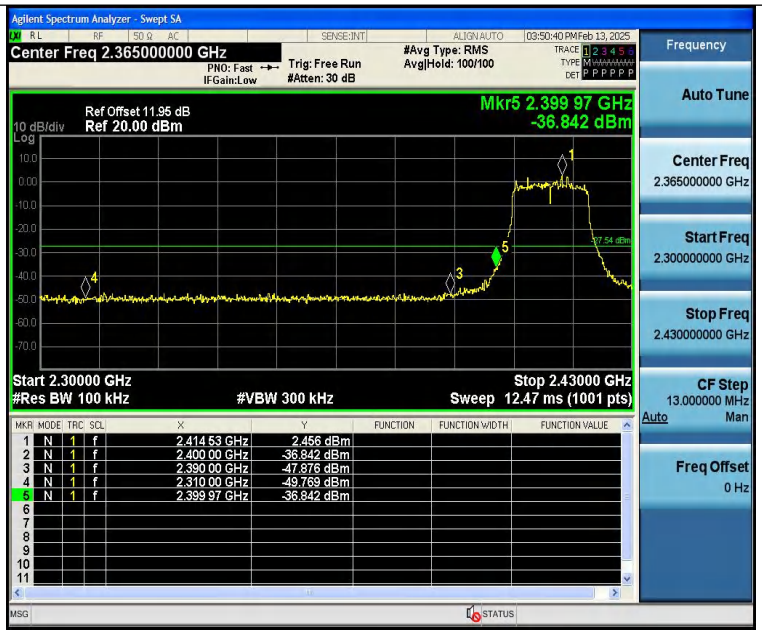
11B-Ant3-2412-PASS



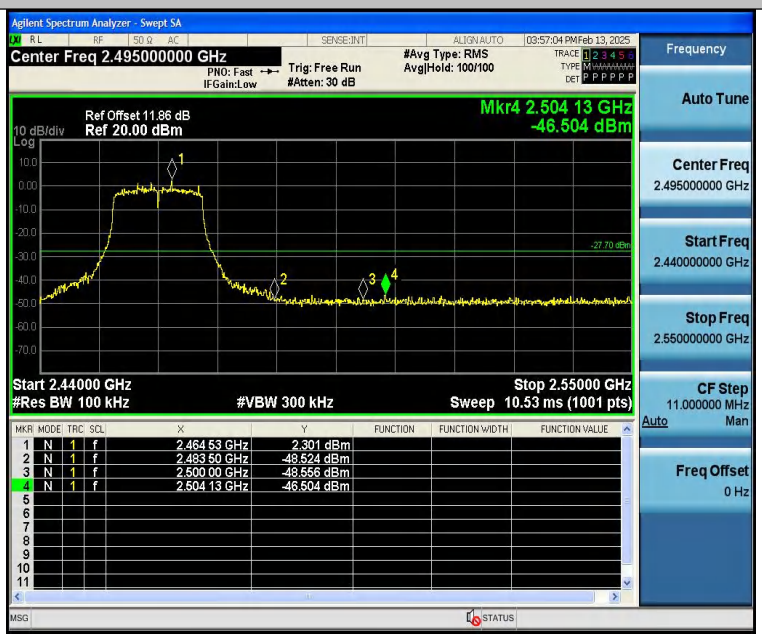
11B-Ant3-2462-PASS



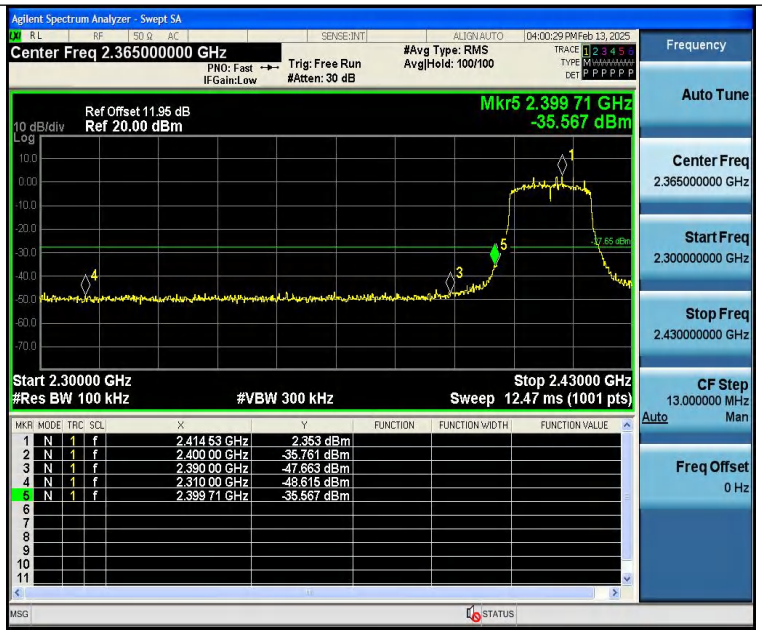
11G-Ant3-2412-PASS



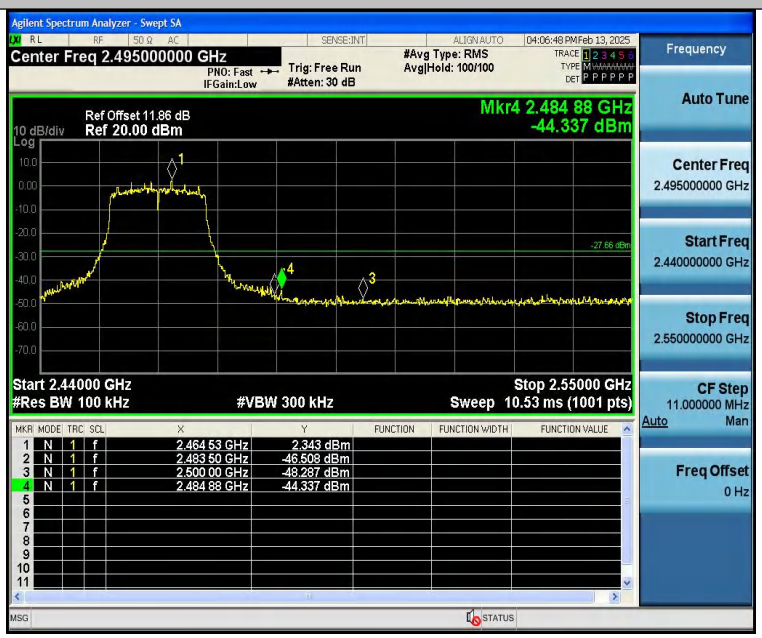
11G-Ant3-2462-PASS



11N20SISO-Ant3-2412-PASS

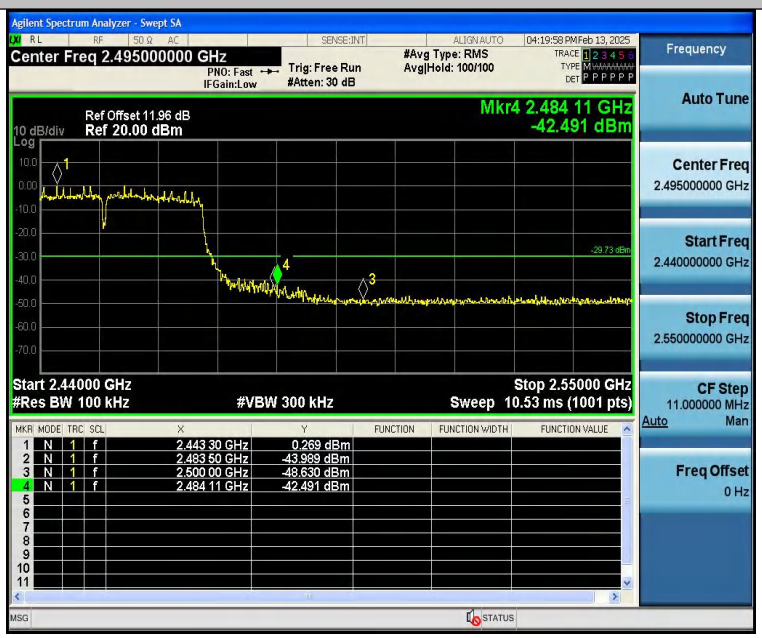


11N20SISO-Ant3-2462-PASS



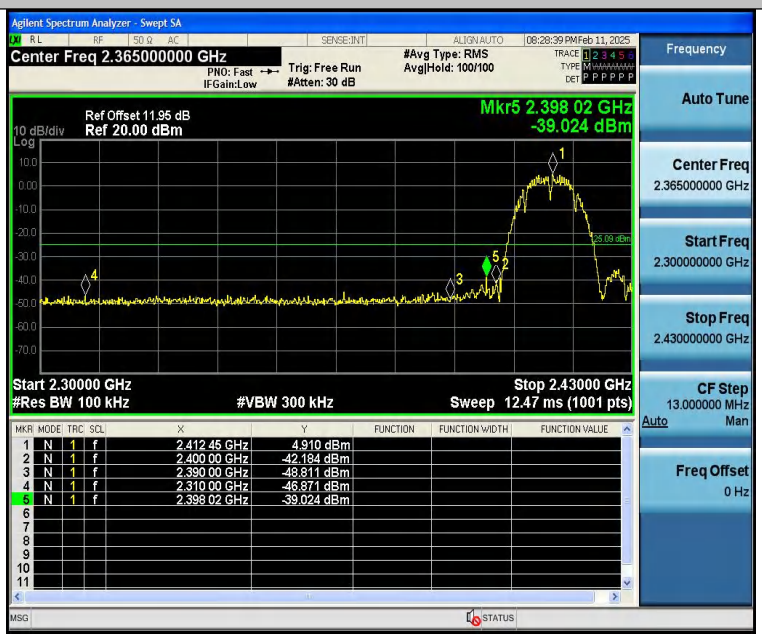
11N40SISO-Ant3-2422-PASS

11N40SISO-Ant3-2452-PASS

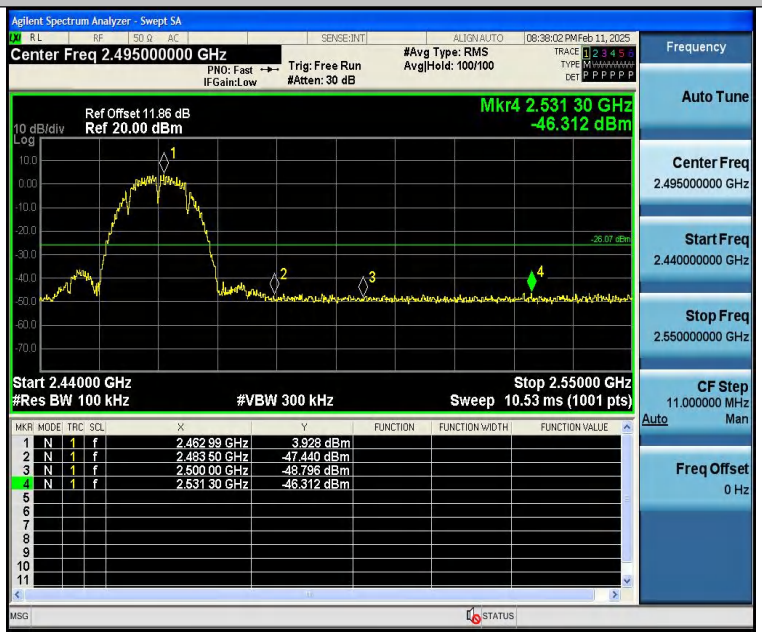


Ant4:

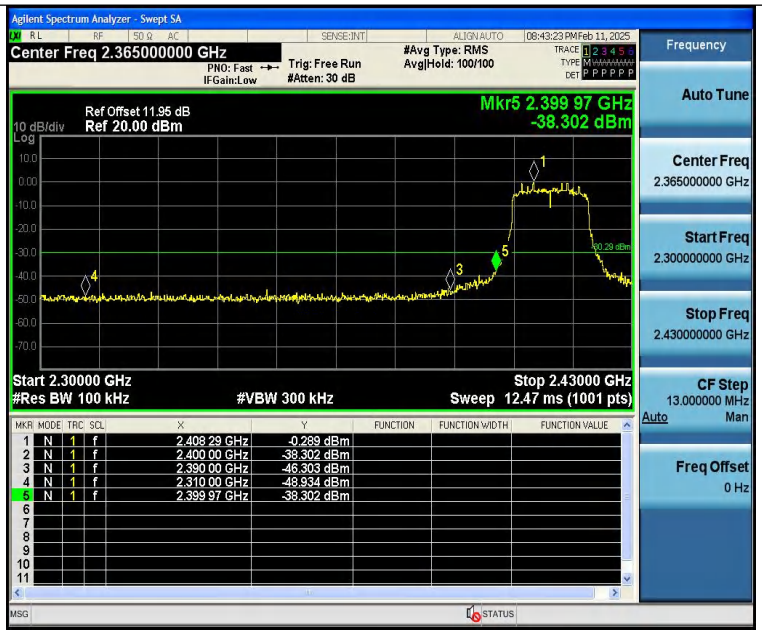
11B-Ant4-2412-PASS



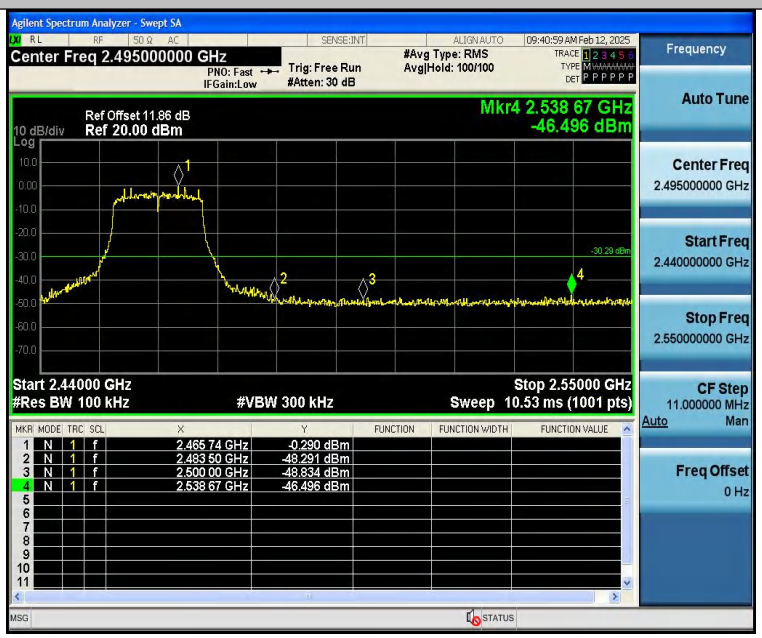
11B-Ant4-2462-PASS



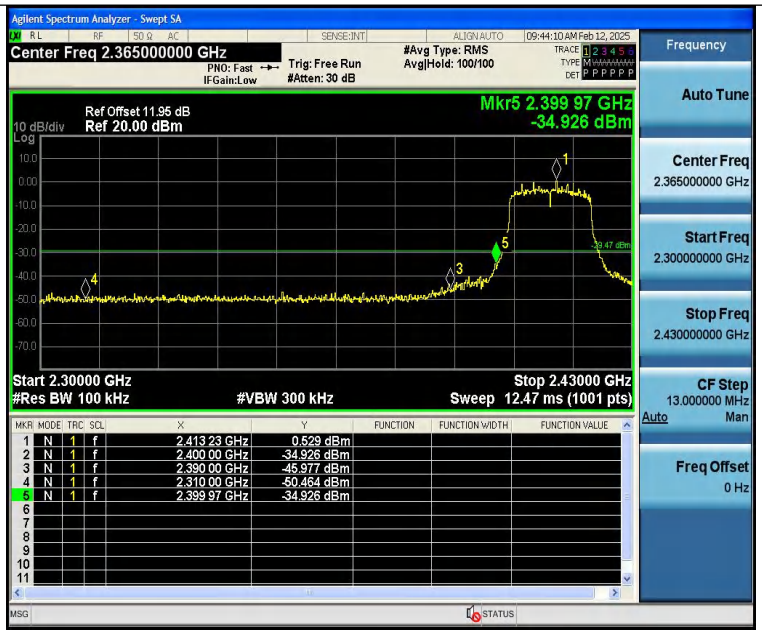
11G-Ant4-2412-PASS



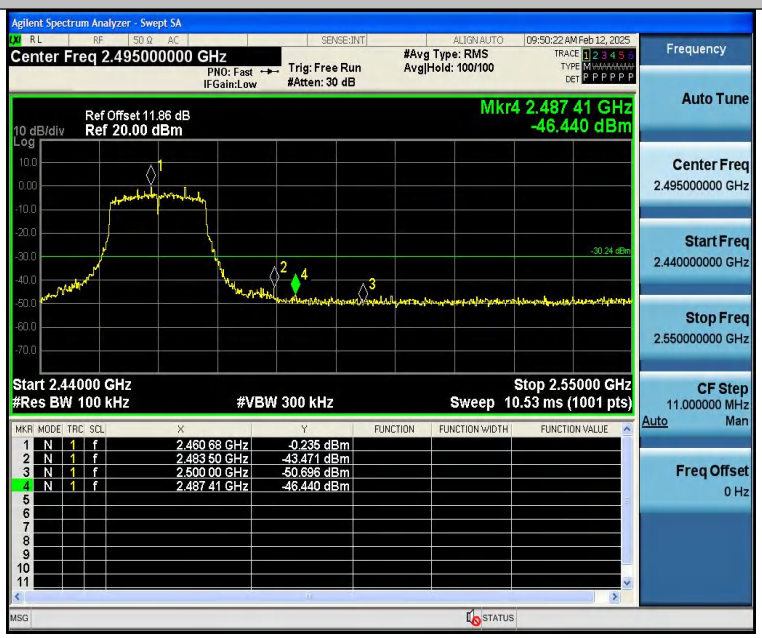
11G-Ant4-2462-PASS



11N20SISO-Ant4-2412-PASS

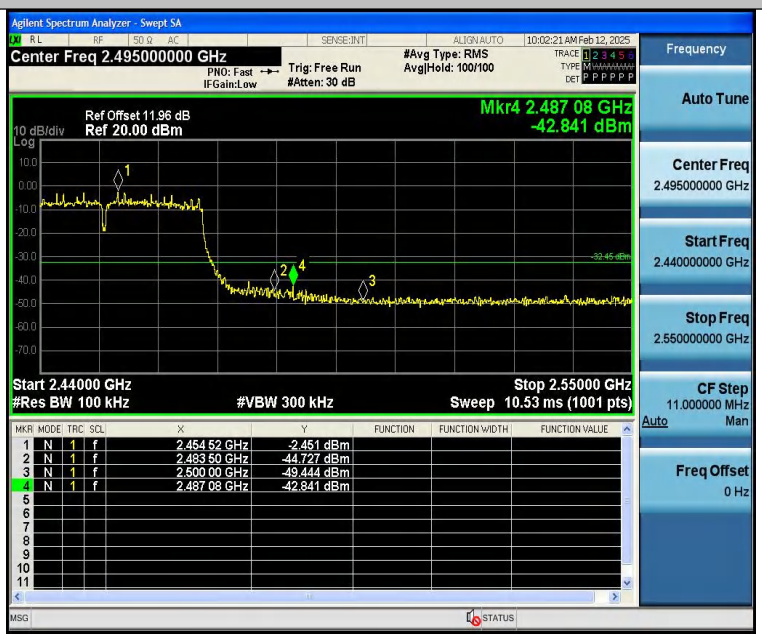


11N20SISO-Ant4-2462-PASS



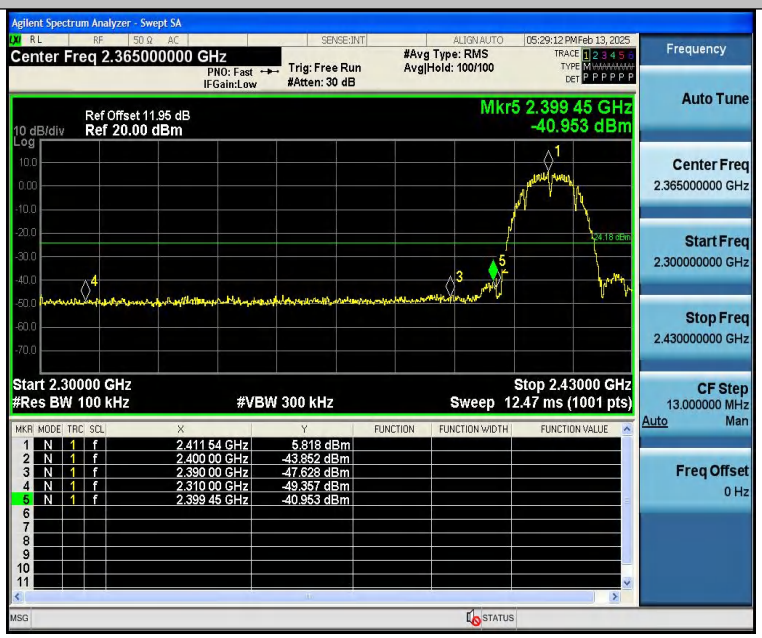
11N40SISO-Ant4-2422-PASS

11N40SISO-Ant4-2452-PASS

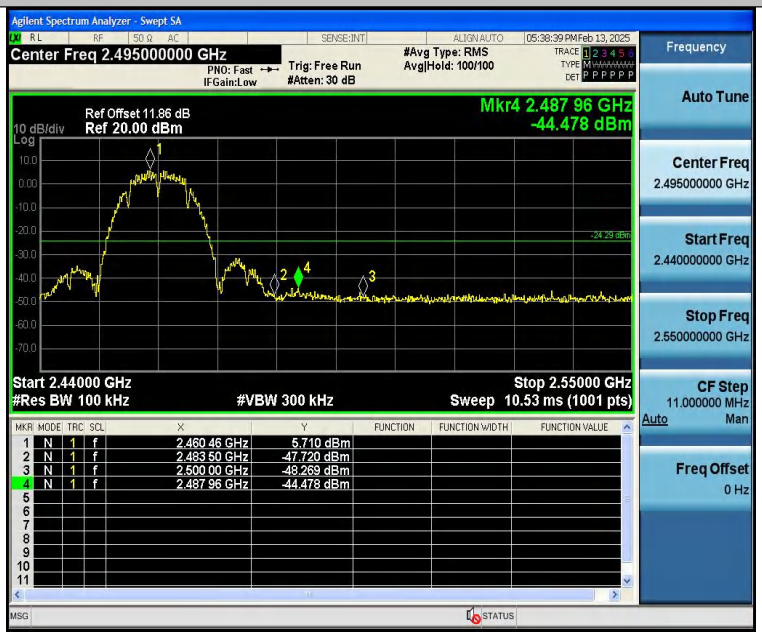


Ant5:

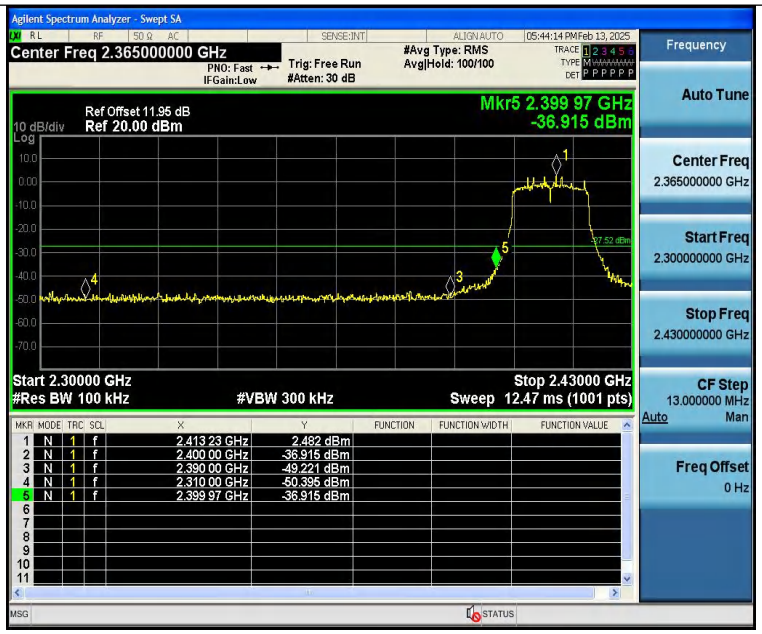
11B-Ant5-2412-PASS



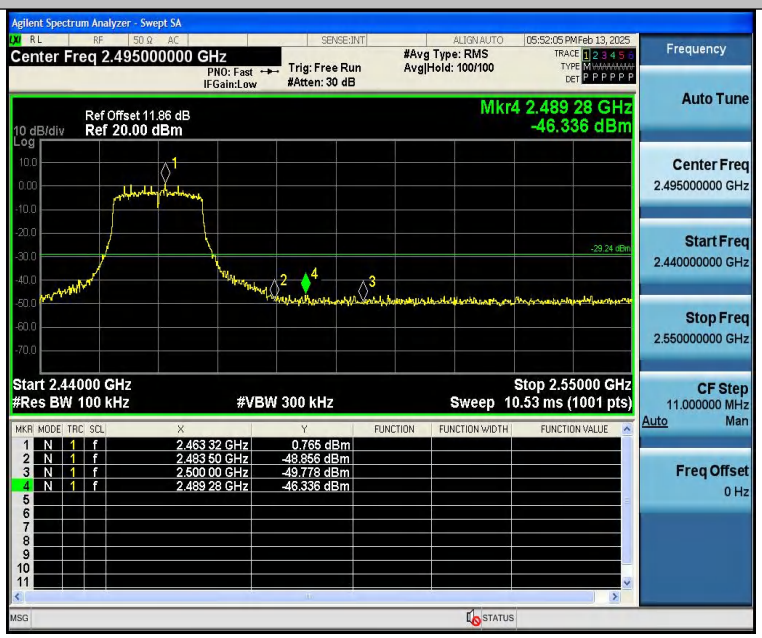
11B-Ant5-2462-PASS



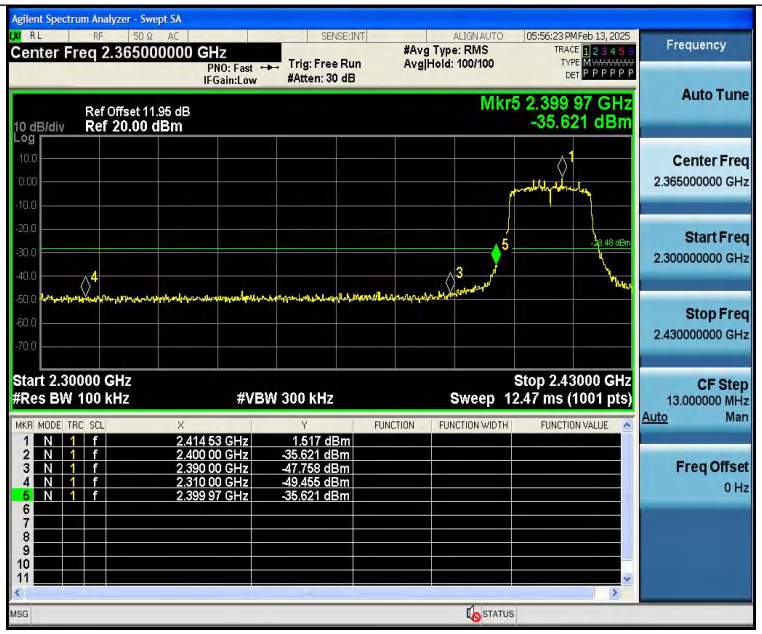
11G-Ant5-2412-PASS



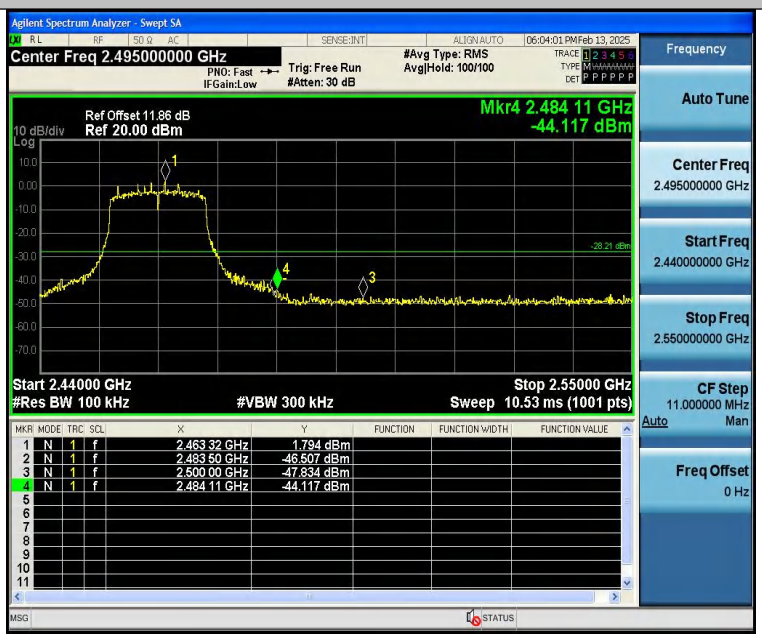
11G-Ant5-2462-PASS



11N20SISO-Ant5-2412-PASS



11N20SISO-Ant5-2462-PASS



11N40SISO-Ant5-2422-PASS