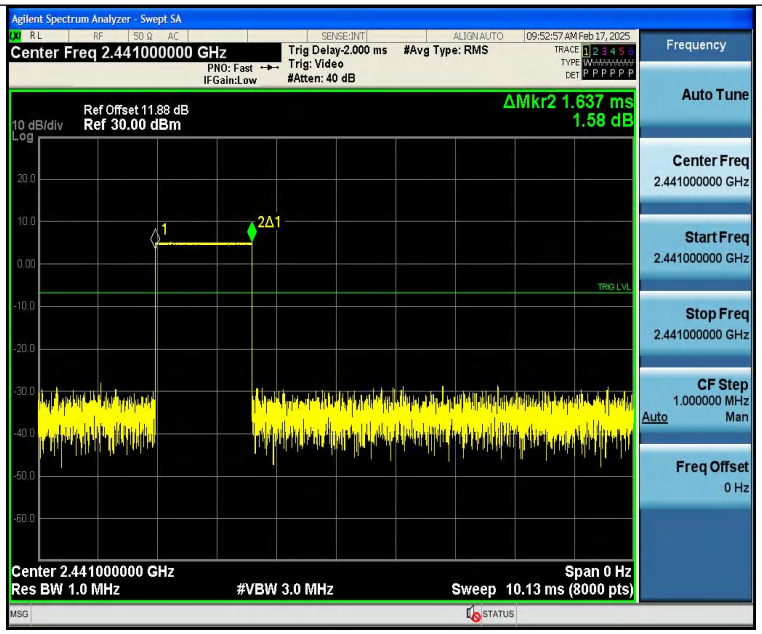
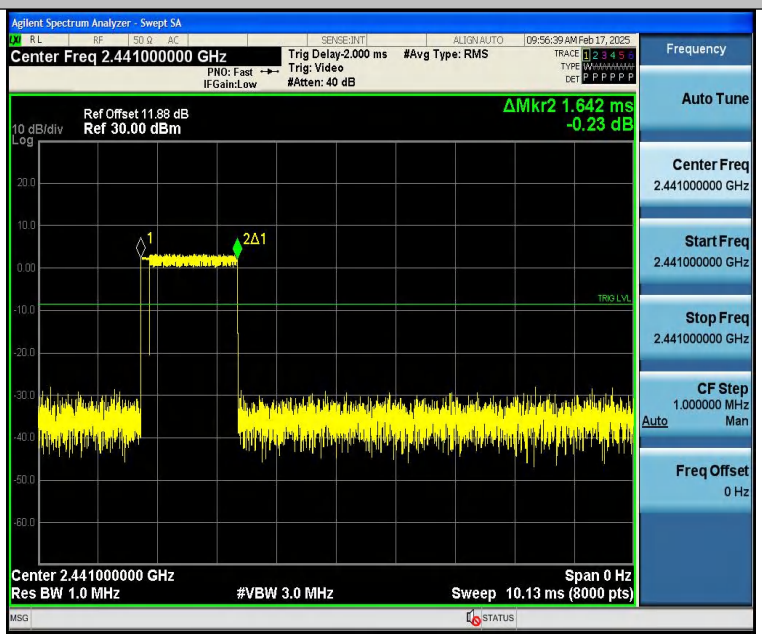


2DH3-Ant0-Hop-PASS



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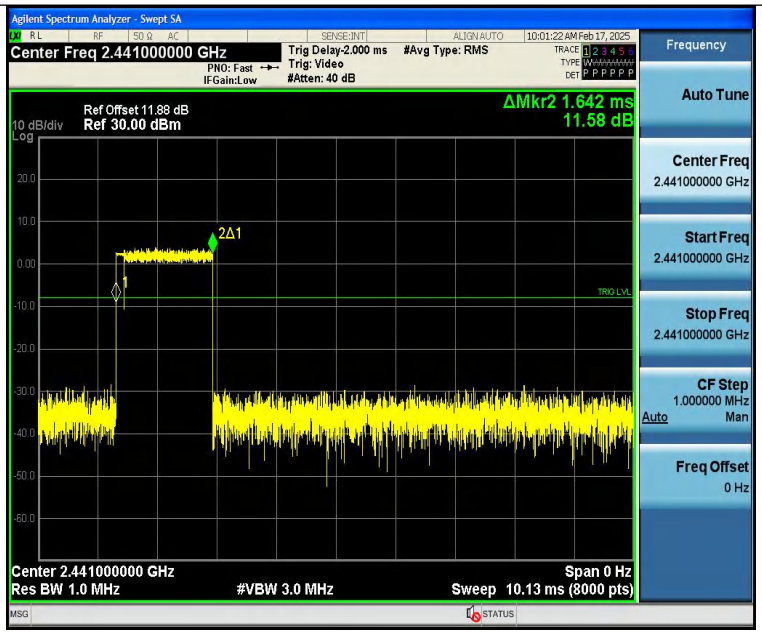
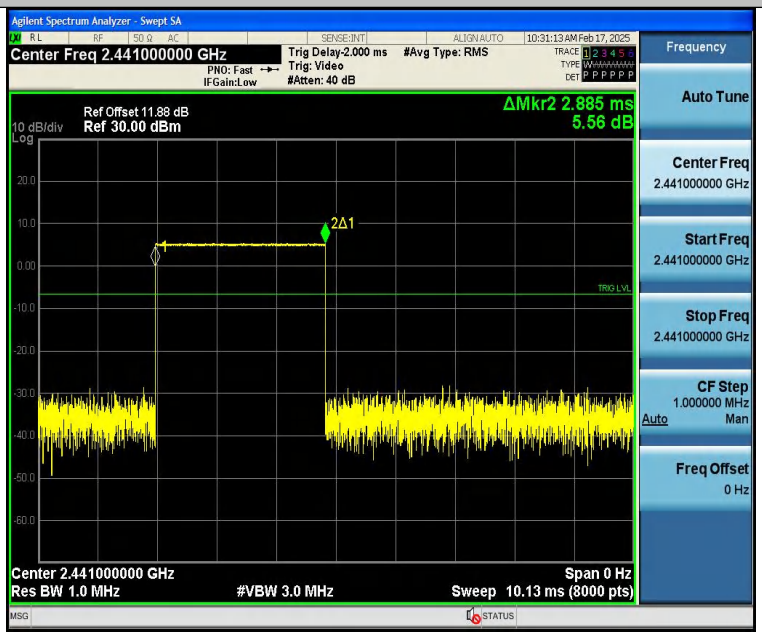


Ant2:

DH5-Ant2-Hop-PASS



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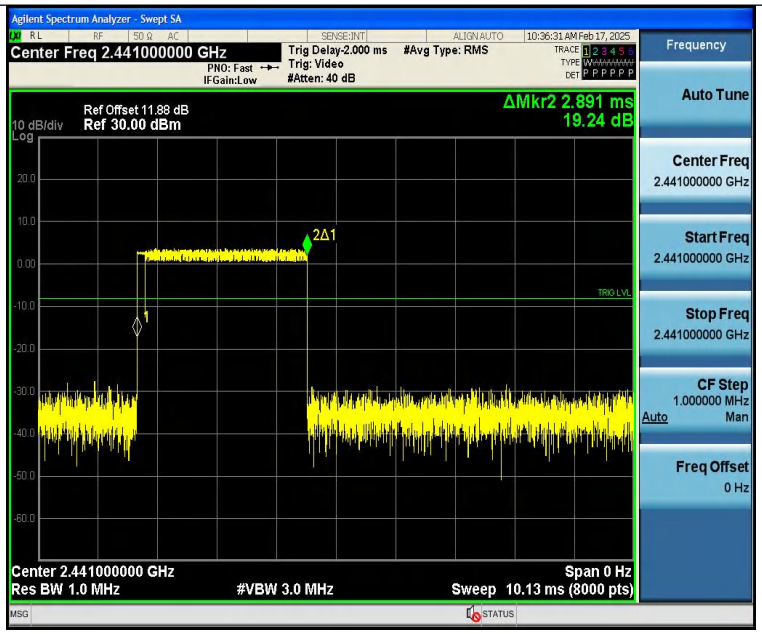

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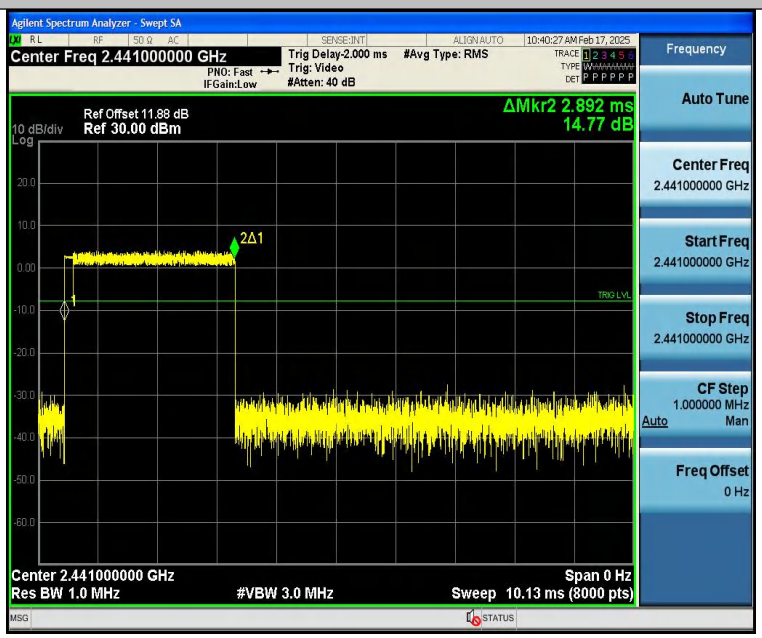
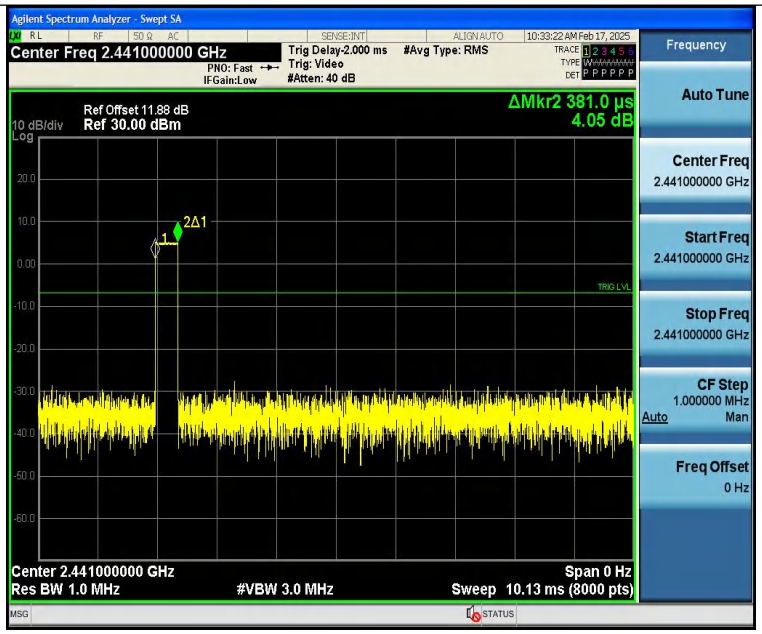


DH1-Ant2-Hop-PASS



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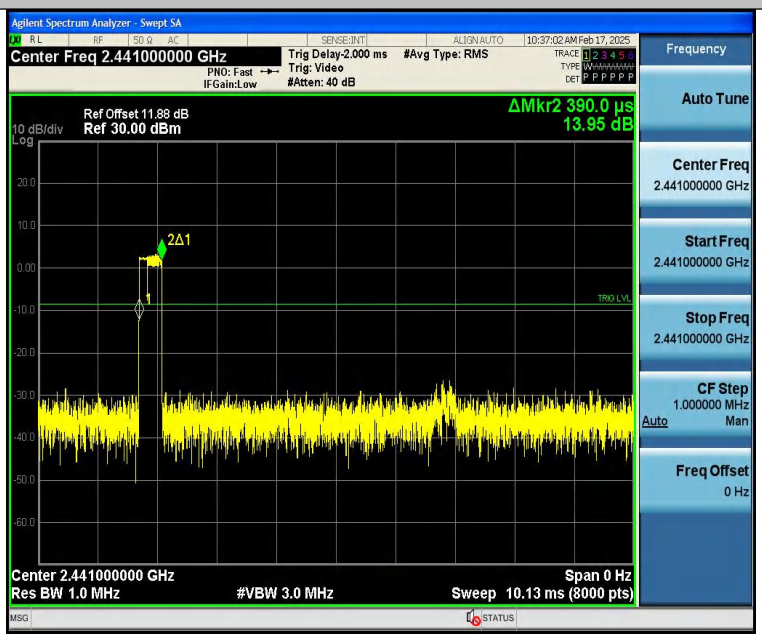

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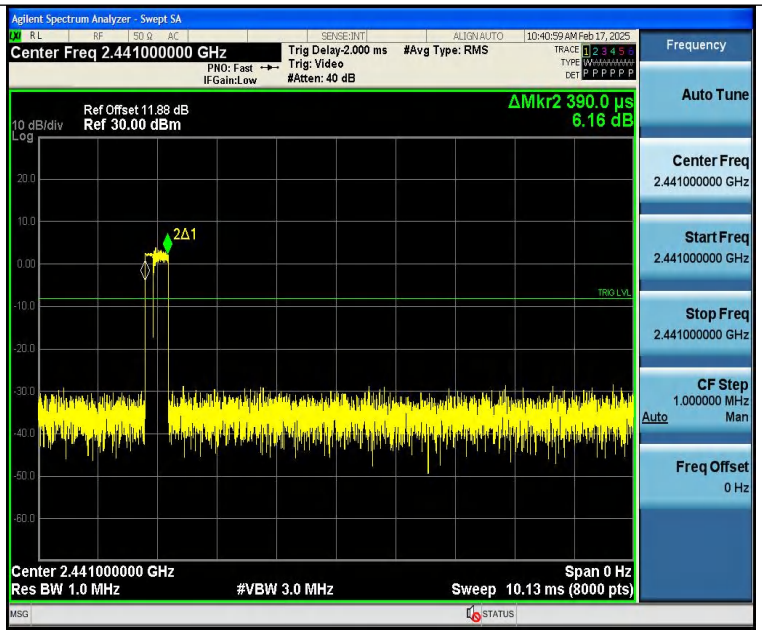

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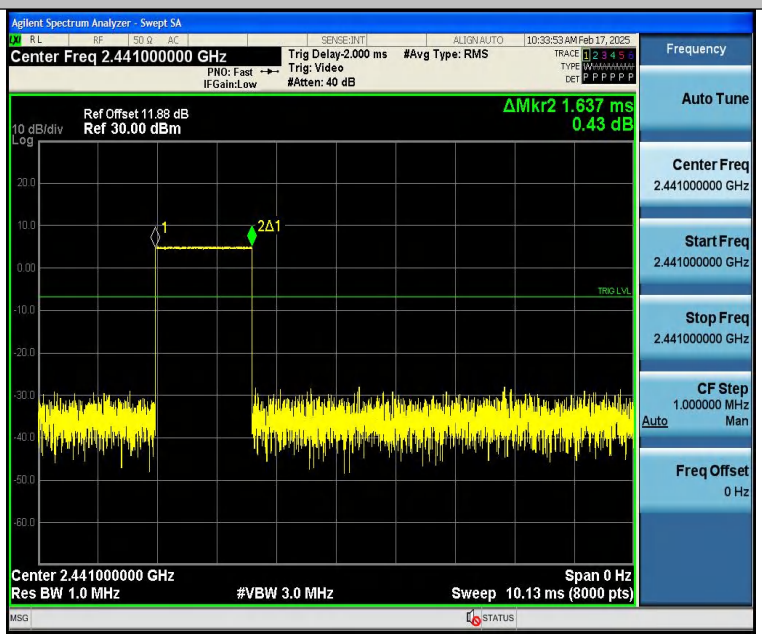

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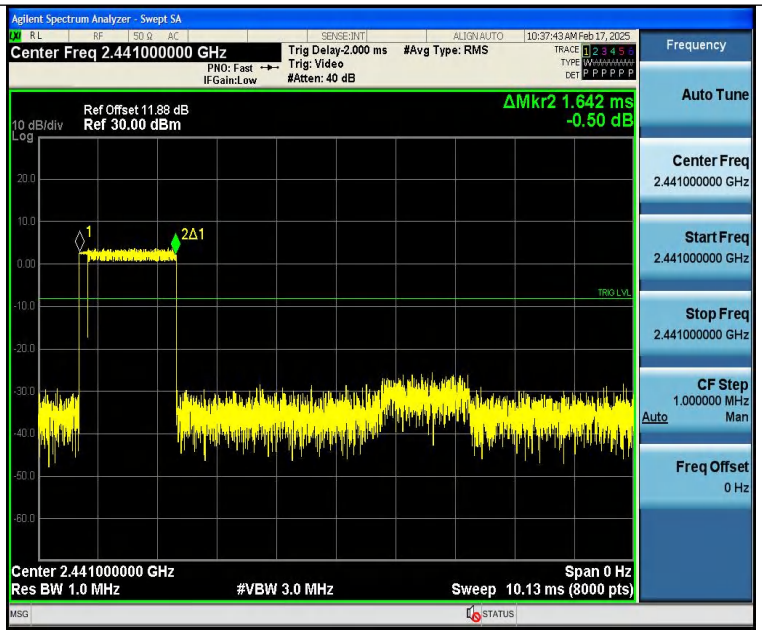

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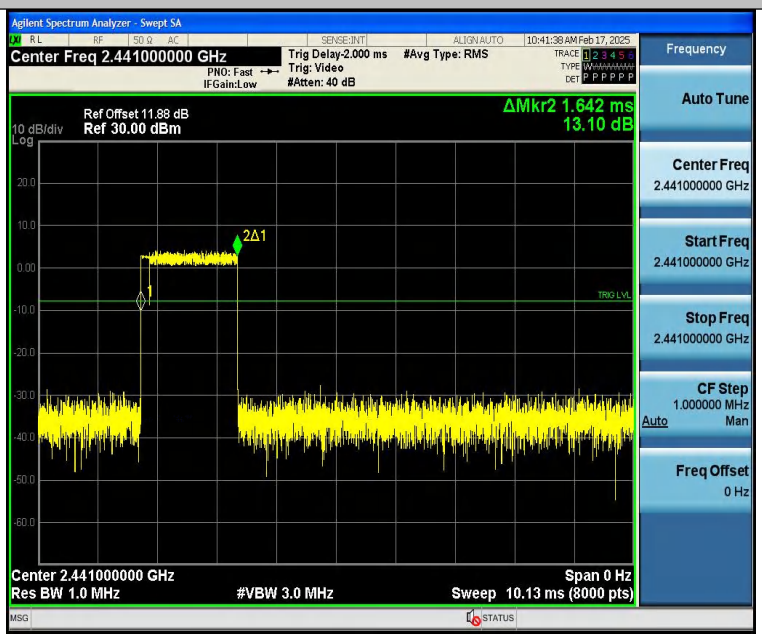
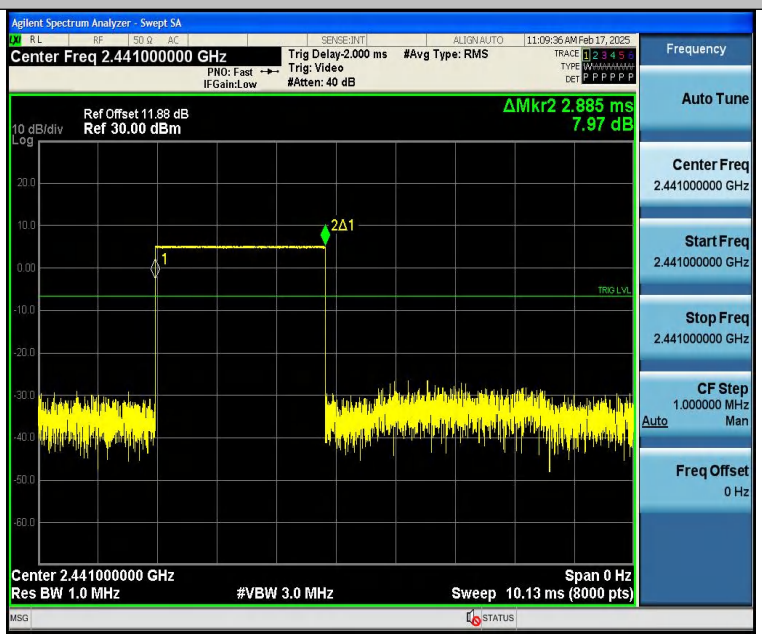
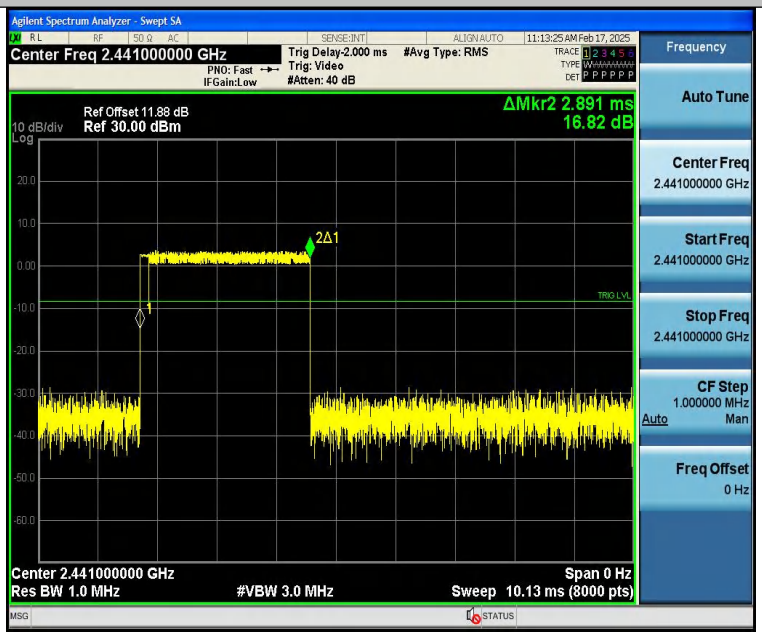


Ant4:

DH5-Ant4-Hop-PASS



2DH5-Ant4-Hop-PASS



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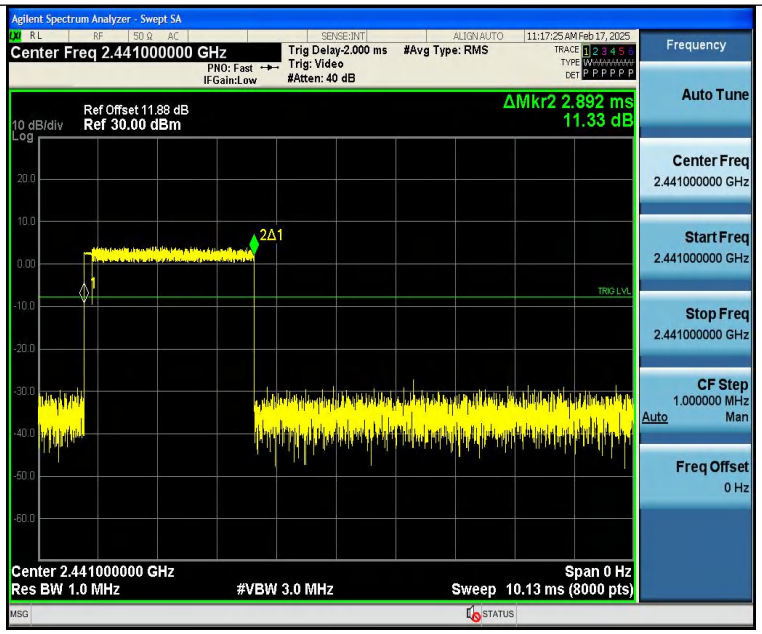
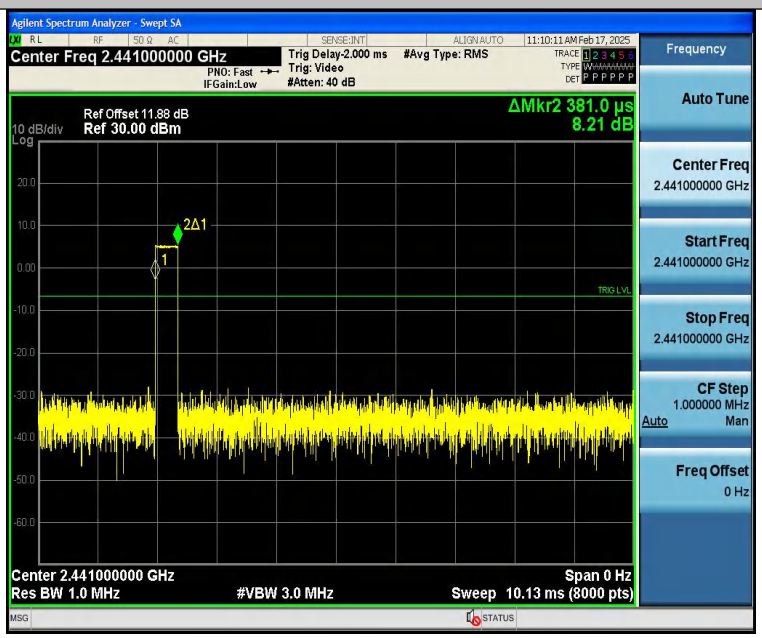


DH1-Ant4-Hop-PASS



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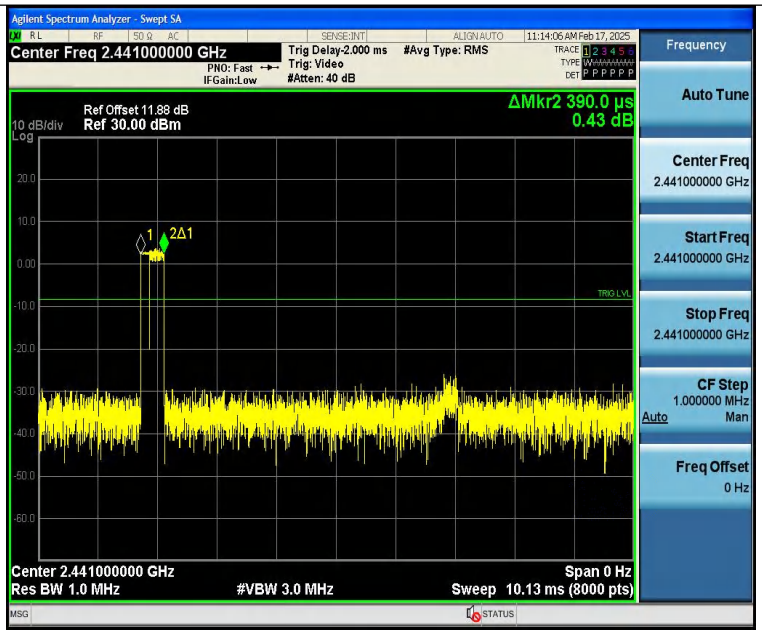

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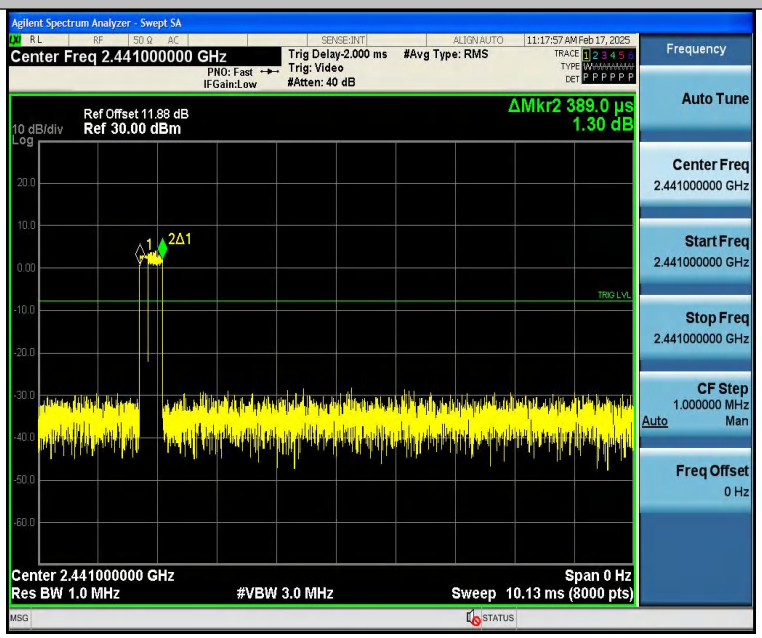

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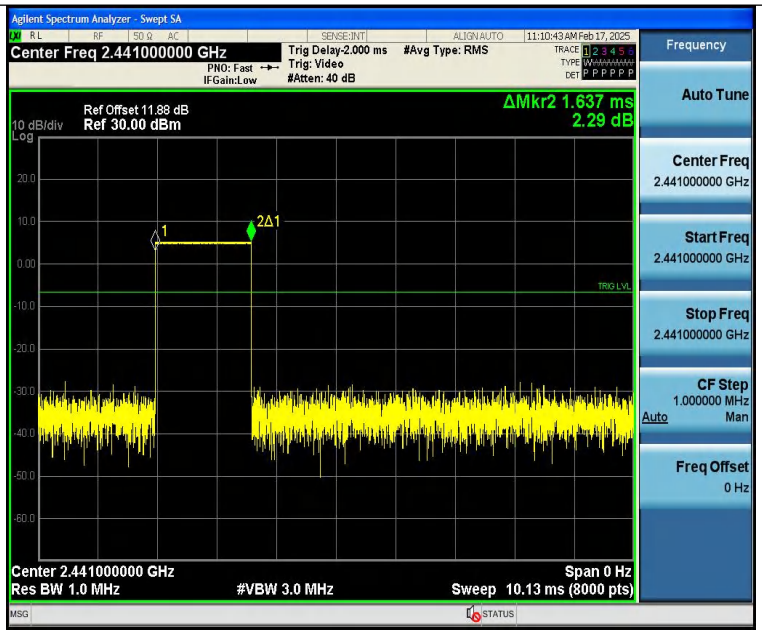

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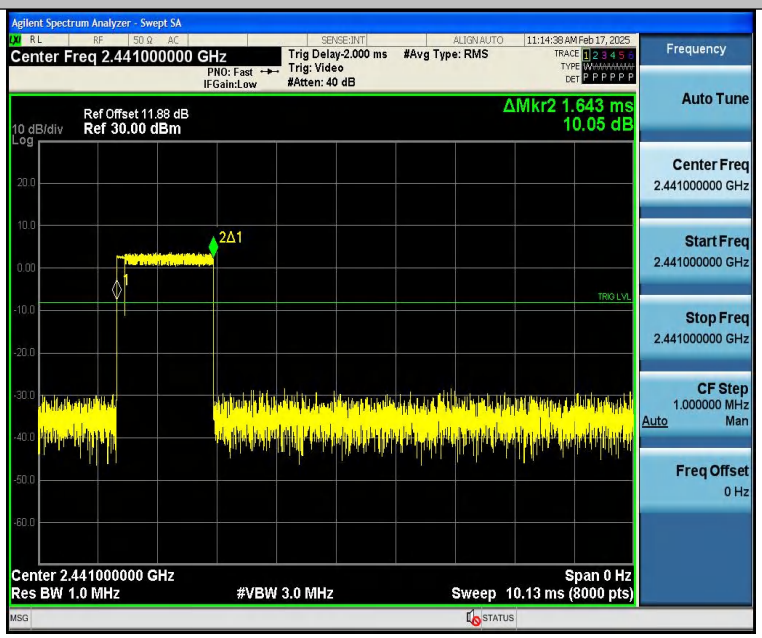

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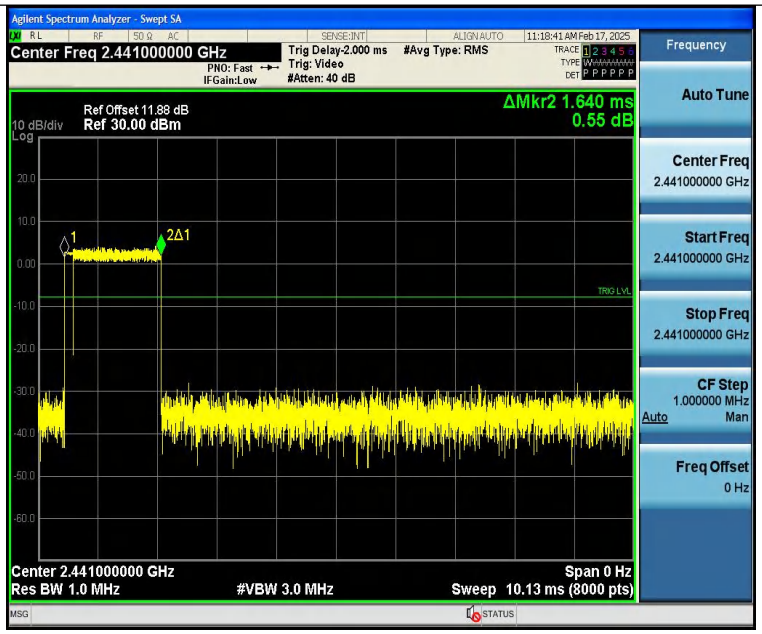
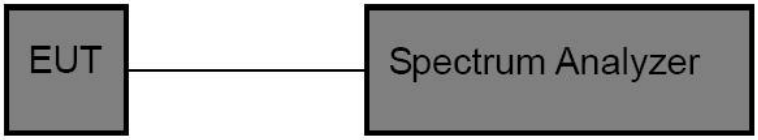

Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Atten: 40 dB
#Avg Type: RMS
11:18:41 AM Feb 17, 2025
Ref Offset 11.88 dB
10 dB/div
Ref 30.00 dBm
Log
ΔMkr2 1.640 ms
0.55 dB
TRIG LVL
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 10.13 ms (8000 pts)
Frequency
Auto Tune
Center Freq
2.441000000 GHz
Start Freq
2.441000000 GHz
Stop Freq
2.441000000 GHz
CF Step
1.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

13 100kHz Bandwidth of Frequency Band Edge Requirement

13.1 Test Standard and Limit

Test Standard	FCC Part15 C Section 15.247 (d)
Test Limit	in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, 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).

13.2 Test Setup



13.3 Test Procedure

The EUT must have its hopping/Non-hopping function enabled. Using the following spectrum analyzer setting:

1. Set the RBW = 100kHz.

2. Set the VBW = 300kHz.

3. Sweep time = auto couple.

4. Detector function = peak.

5. Trace mode = max hold.

6. Allow trace to fully stabilize.

13.4 Test Data

Test Item	:	Band edge	Test Mode	:	CH Low ~ CH High
Test Voltage	:	AC 120V	Temperature	:	24.5℃
Test Result	:	PASS	Humidity	:	55%RH

Ant0:

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant0	Low	2402	1.78	-46.81	≤-18.22	PASS
DH5	Ant0	High	2480	2.93	-47.22	≤-17.07	PASS
DH5	Ant0	Low	Hop_2402	3.72	-47.17	≤-16.28	PASS
DH5	Ant0	High	Hop_2480	5.74	-46.26	≤-14.26	PASS
2DH5	Ant0	Low	2402	-1.69	-47.28	≤-21.69	PASS
2DH5	Ant0	High	2480	1.15	-46.97	≤-18.85	PASS
2DH5	Ant0	Low	Hop_2402	0.51	-46.75	≤-19.49	PASS
2DH5	Ant0	High	Hop_2480	2.99	-45.74	≤-17.01	PASS
3DH5	Ant0	Low	2402	-1.02	-45.69	≤-21.02	PASS
3DH5	Ant0	High	2480	1.25	-46.86	≤-18.75	PASS
3DH5	Ant0	Low	Hop_2402	-1.38	-46.99	≤-21.38	PASS
3DH5	Ant0	High	Hop_2480	2.81	-46.32	≤-17.19	PASS

Ant2:

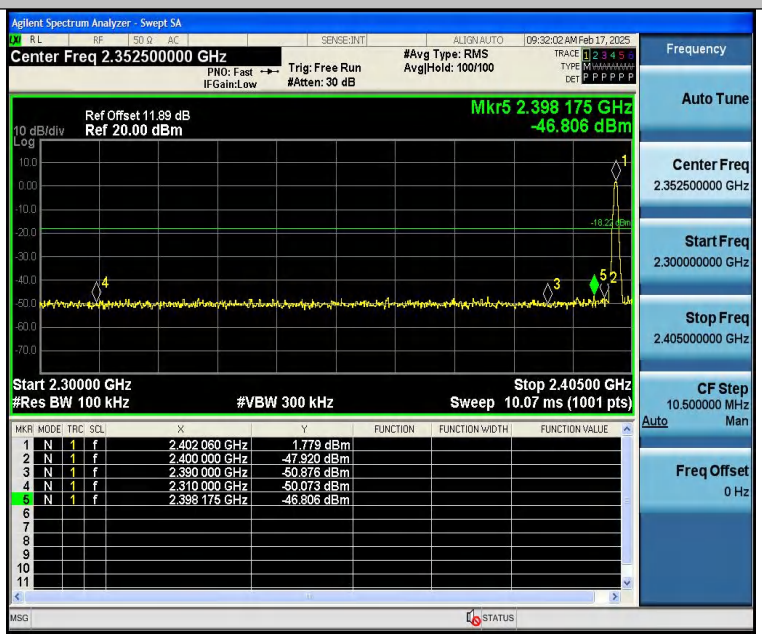
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	Low	2402	2.60	-46.35	≤-17.4	PASS
DH5	Ant2	High	2480	3.82	-46.34	≤-16.18	PASS
DH5	Ant2	Low	Hop_2402	3.89	-46.85	≤-16.11	PASS
DH5	Ant2	High	Hop_2480	6.00	-45.99	≤-14	PASS
2DH5	Ant2	Low	2402	-1.69	-45.71	≤-21.69	PASS
2DH5	Ant2	High	2480	-0.03	-46.73	≤-20.03	PASS
2DH5	Ant2	Low	Hop_2402	-1.10	-46.48	≤-21.1	PASS
2DH5	Ant2	High	Hop_2480	2.70	-46.51	≤-17.3	PASS
3DH5	Ant2	Low	2402	-0.15	-47.29	≤-20.15	PASS
3DH5	Ant2	High	2480	1.72	-46.29	≤-18.28	PASS
3DH5	Ant2	Low	Hop_2402	0.64	-46.71	≤-19.37	PASS
3DH5	Ant2	High	Hop_2480	2.78	-46.27	≤-17.22	PASS

Ant4:

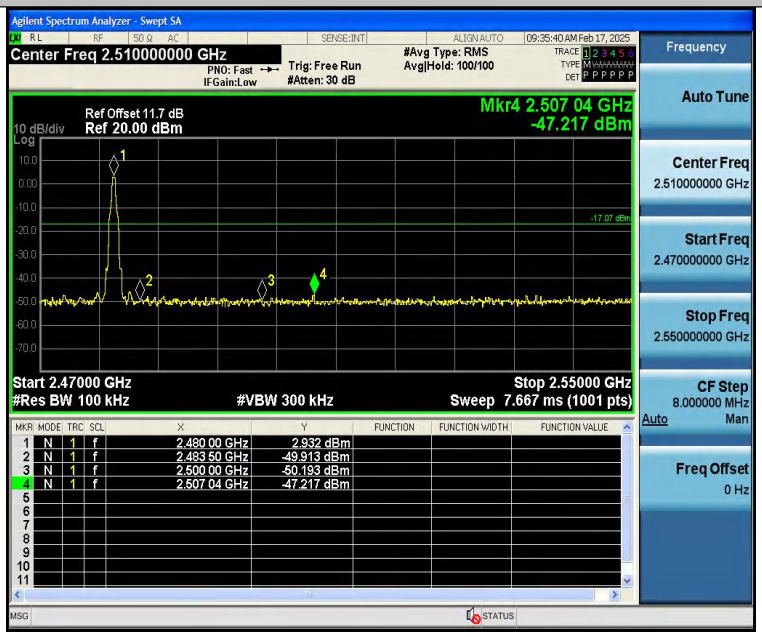
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant4	Low	2402	1.96	-46.74	≤-18.04	PASS
DH5	Ant4	High	2480	3.83	-46.58	≤-16.17	PASS
DH5	Ant4	Low	Hop_2402	3.83	-45.93	≤-16.17	PASS
DH5	Ant4	High	Hop_2480	5.21	-45.4	≤-14.79	PASS
2DH5	Ant4	Low	2402	-0.55	-46.57	≤-20.55	PASS
2DH5	Ant4	High	2480	1.47	-46.5	≤-18.54	PASS
2DH5	Ant4	Low	Hop_2402	-1.69	-46.19	≤-21.69	PASS
2DH5	Ant4	High	Hop_2480	0.99	-45.57	≤-19.01	PASS
3DH5	Ant4	Low	2402	-0.51	-46.24	≤-20.51	PASS
3DH5	Ant4	High	2480	0.91	-46.43	≤-19.09	PASS
3DH5	Ant4	Low	Hop_2402	1.24	-46.64	≤-18.76	PASS
3DH5	Ant4	High	Hop_2480	2.74	-45.77	≤-17.26	PASS

Ant0:

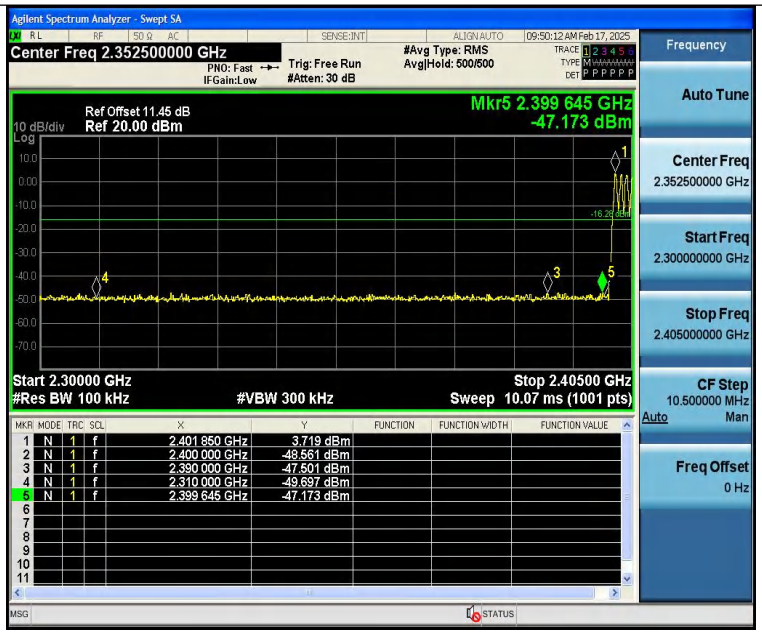
DH5-Ant0-2402-PASS



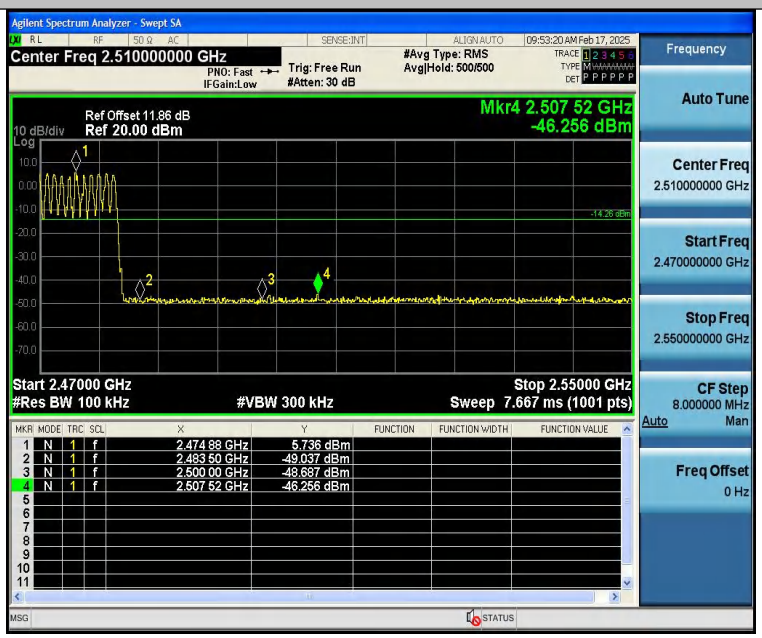
DH5-Ant0-2480-PASS



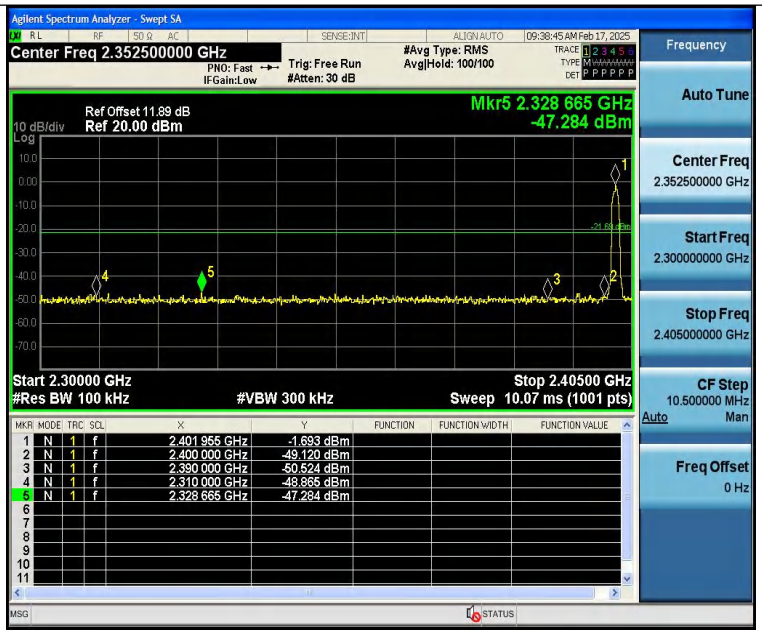
DH5-Ant0-Hop_2402-PASS



DH5-Ant0-Hop_2480-PASS



2DH5-Ant0-2402-PASS



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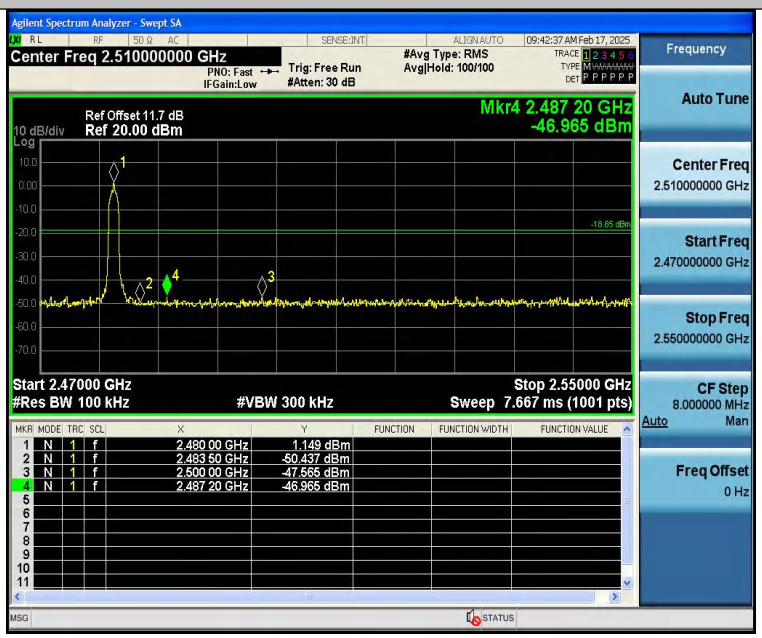

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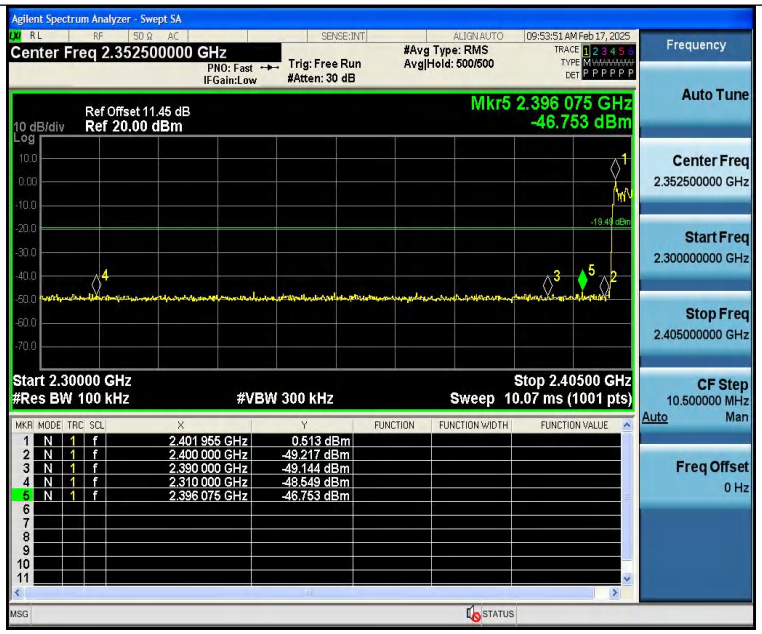

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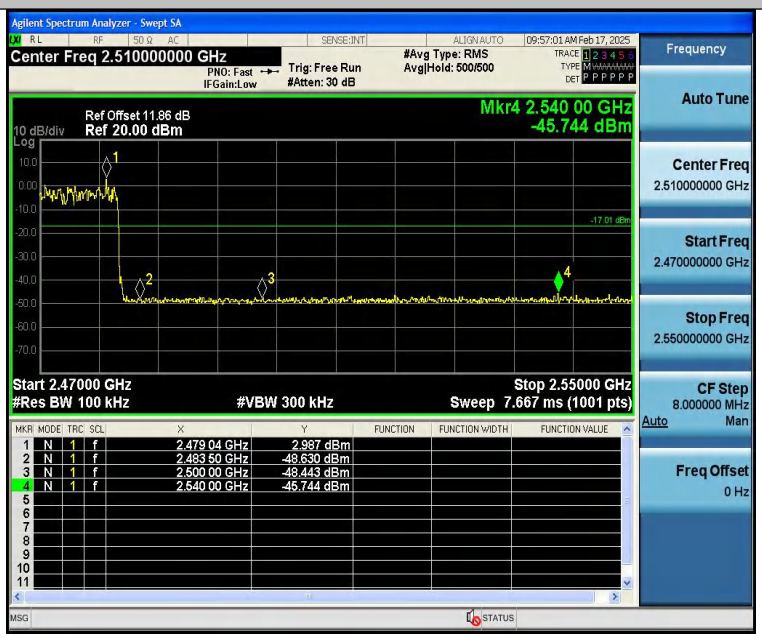
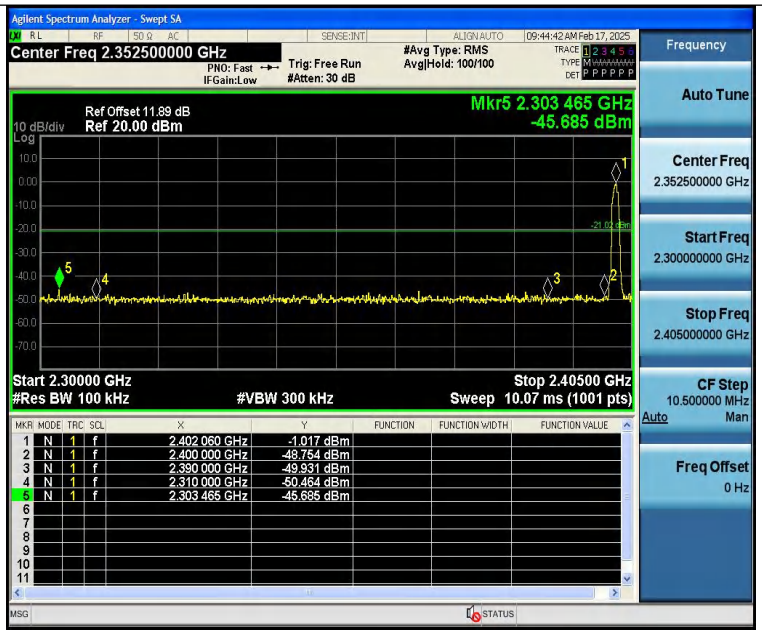


3DH5-Ant0-2402-PASS



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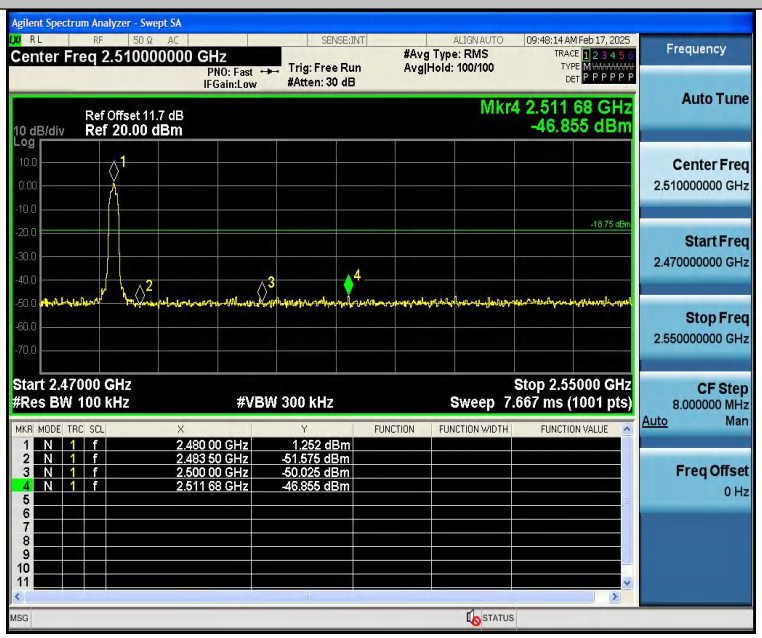

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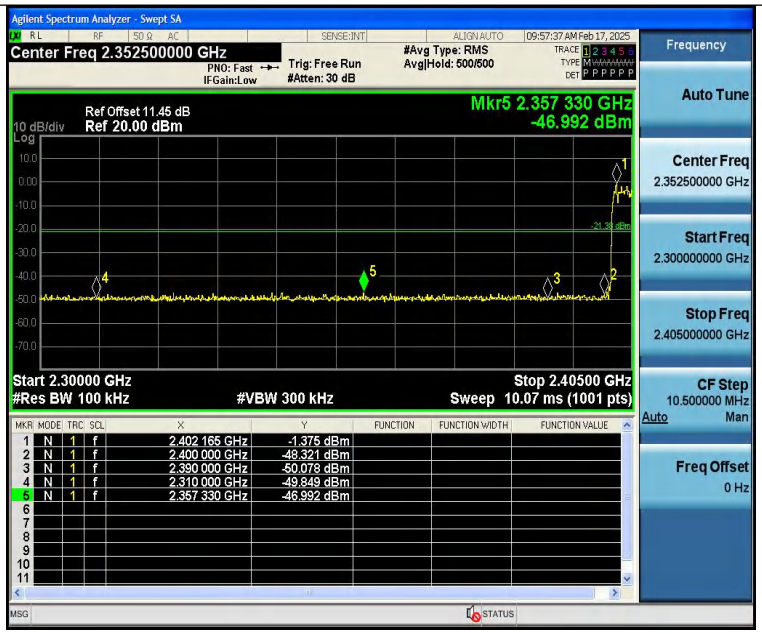

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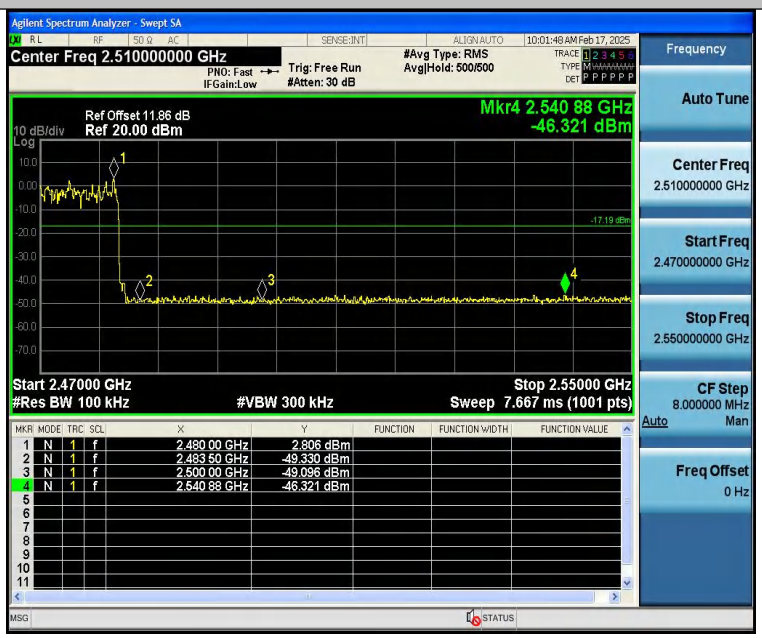
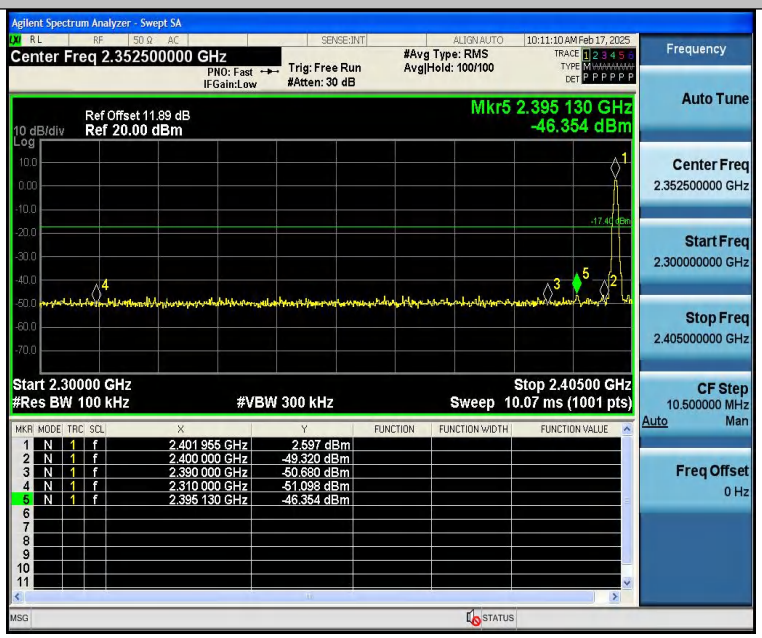


Ant2:

DH5-Ant2-2402-PASS



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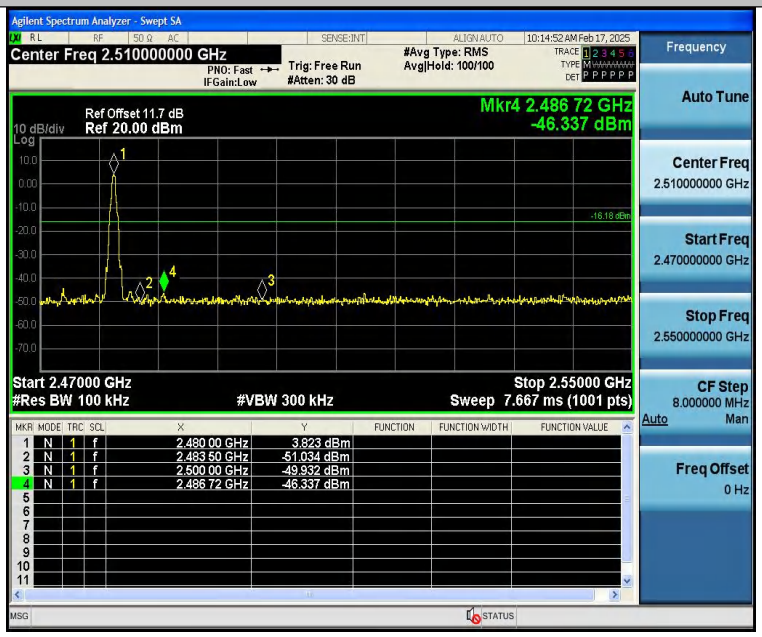
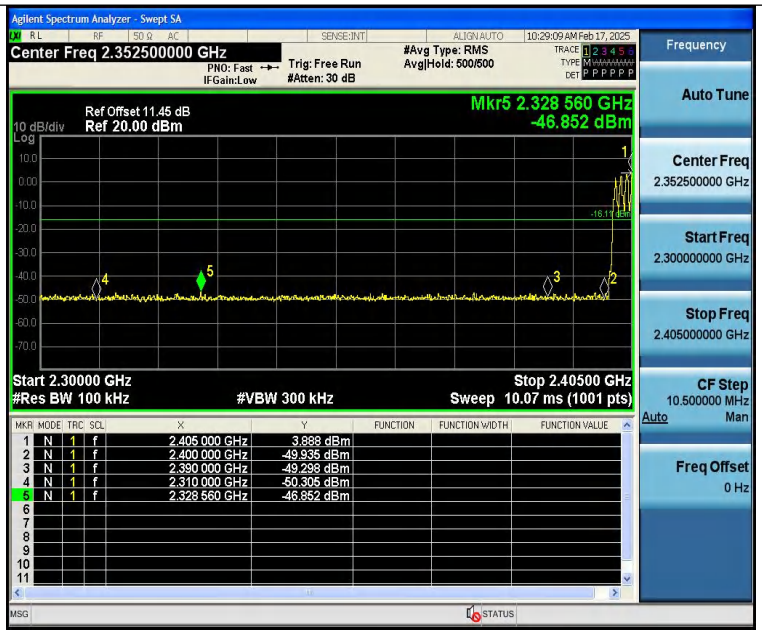
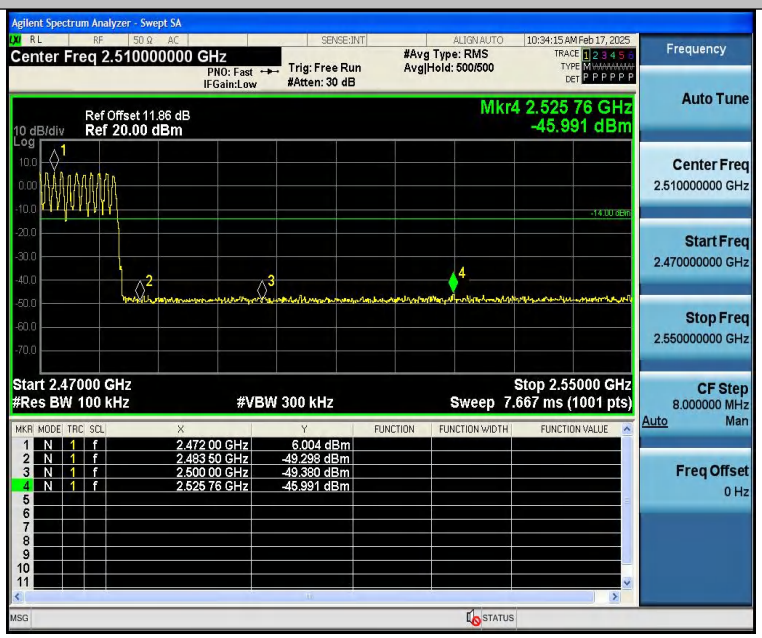


DH5-Ant2-Hop_2402-PASS



DH5-Ant2-Hop_2480-PASS



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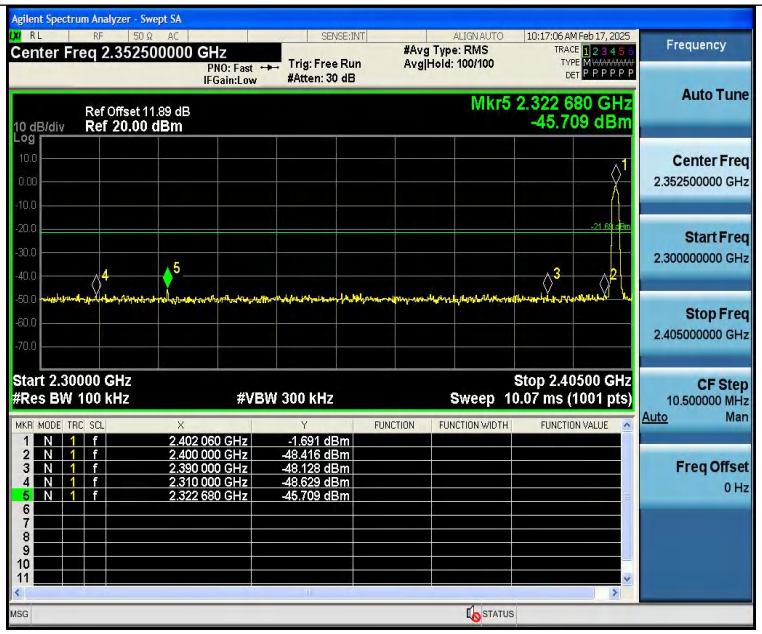

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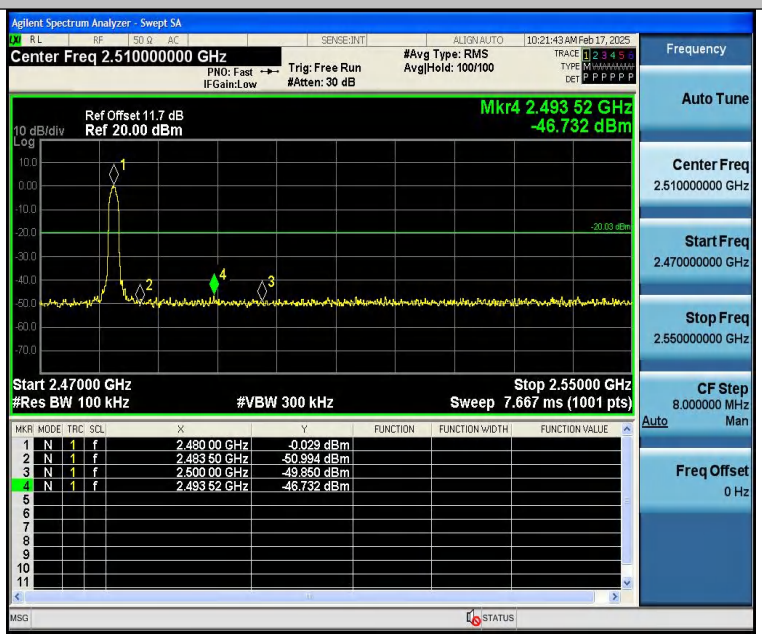
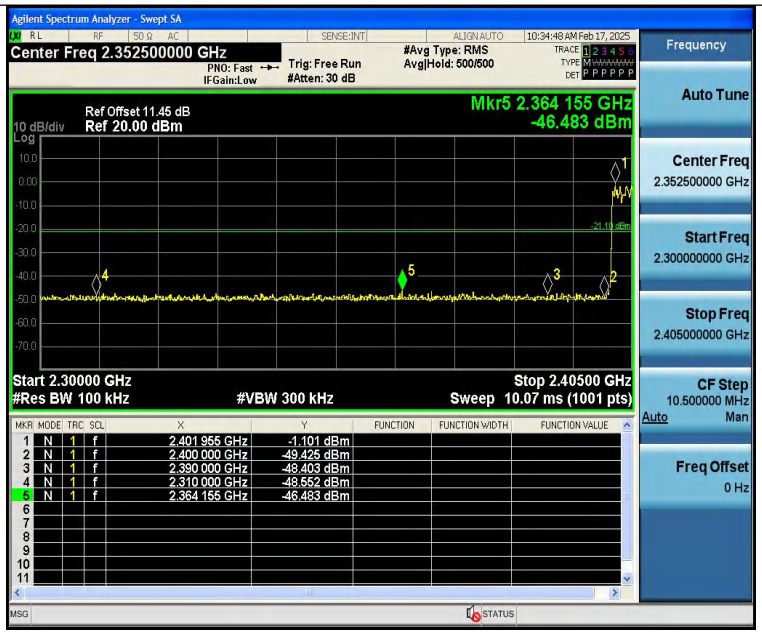
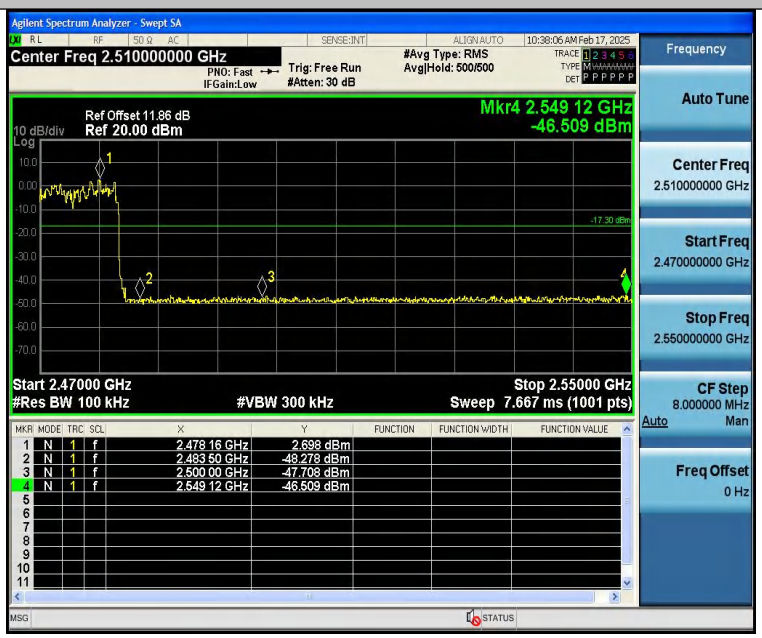


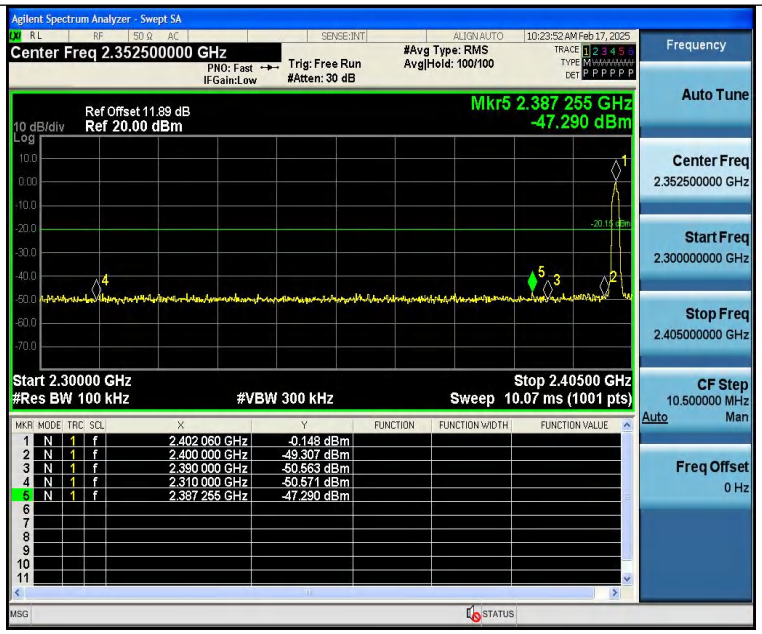
2DH5-Ant2-Hop_2402-PASS



2DH5-Ant2-Hop_2480-PASS



3DH5-Ant2-2402-PASS



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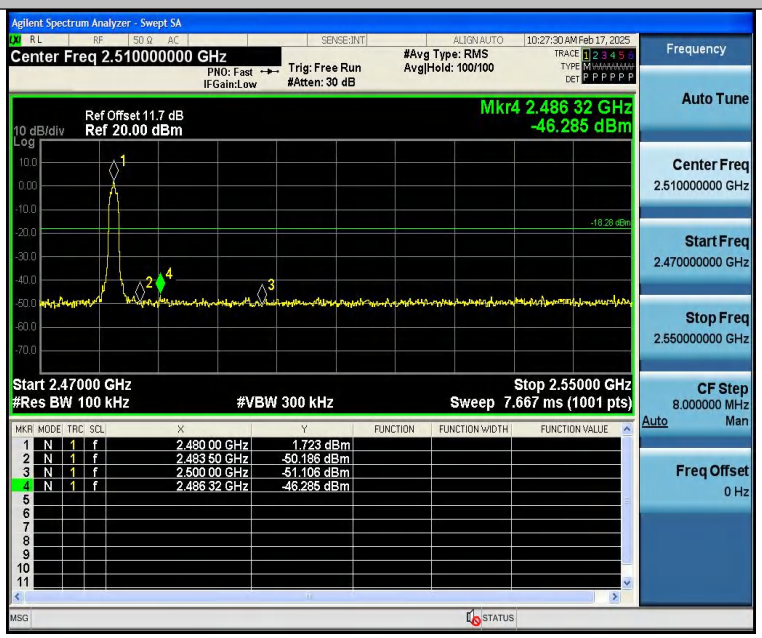

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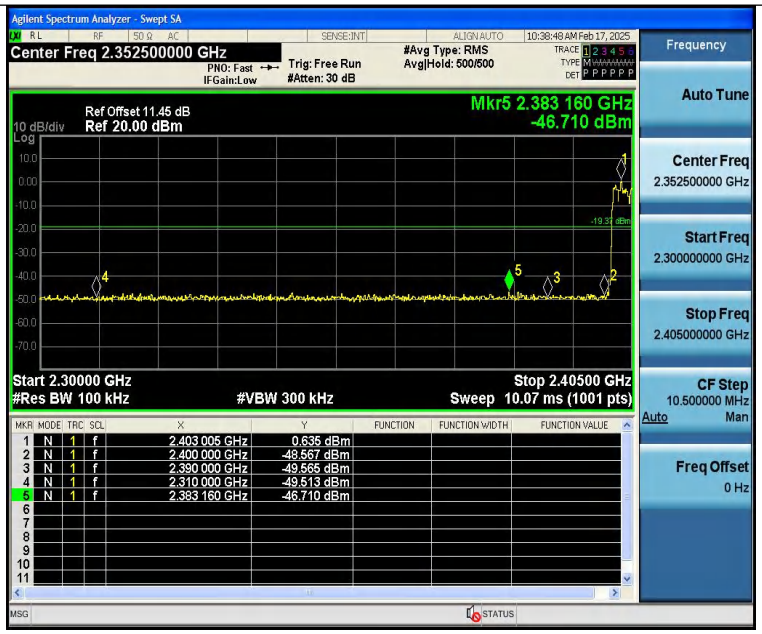

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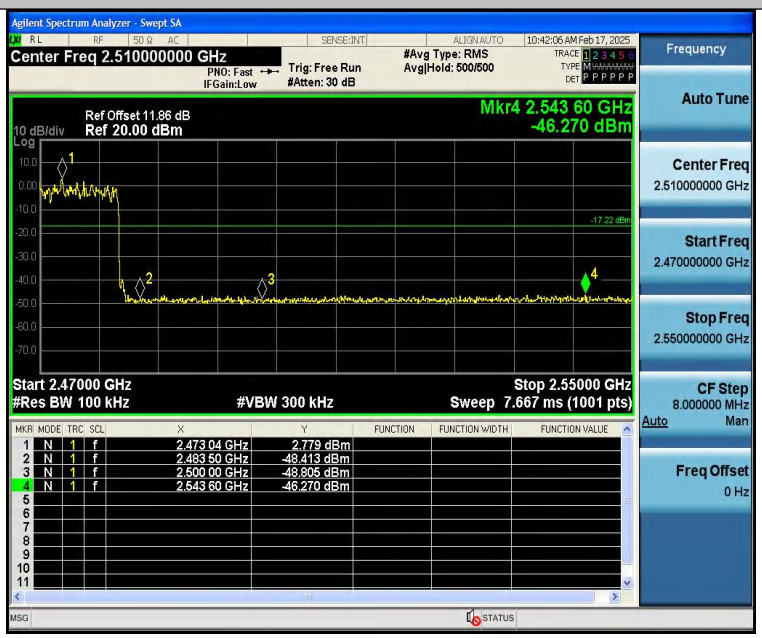

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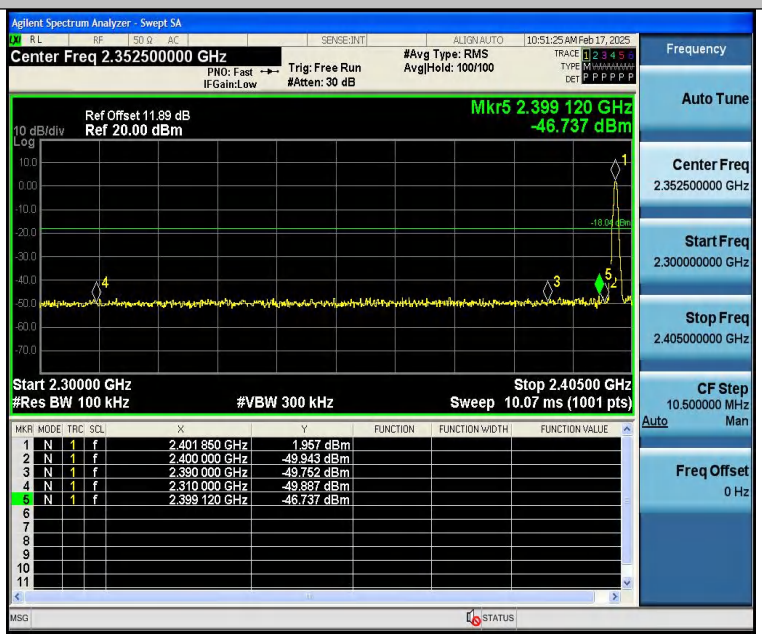
DH5-Ant4-2402-PASS



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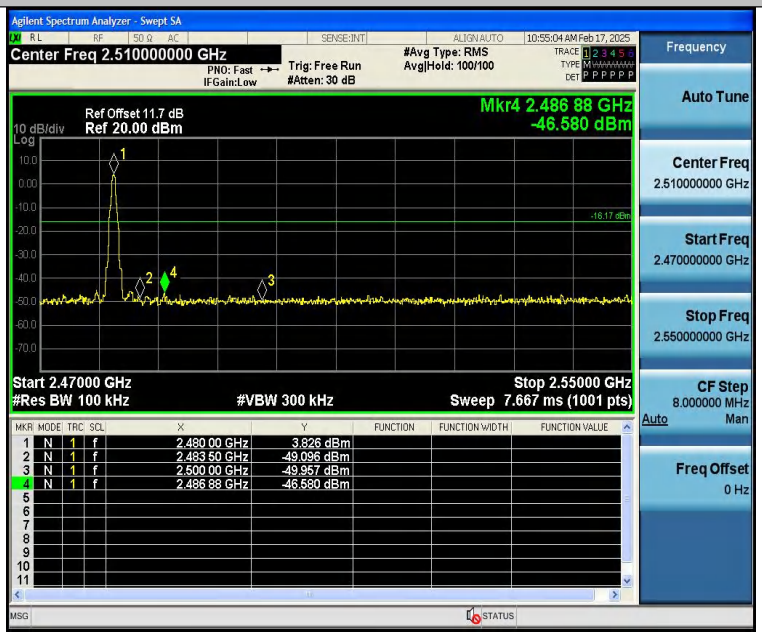

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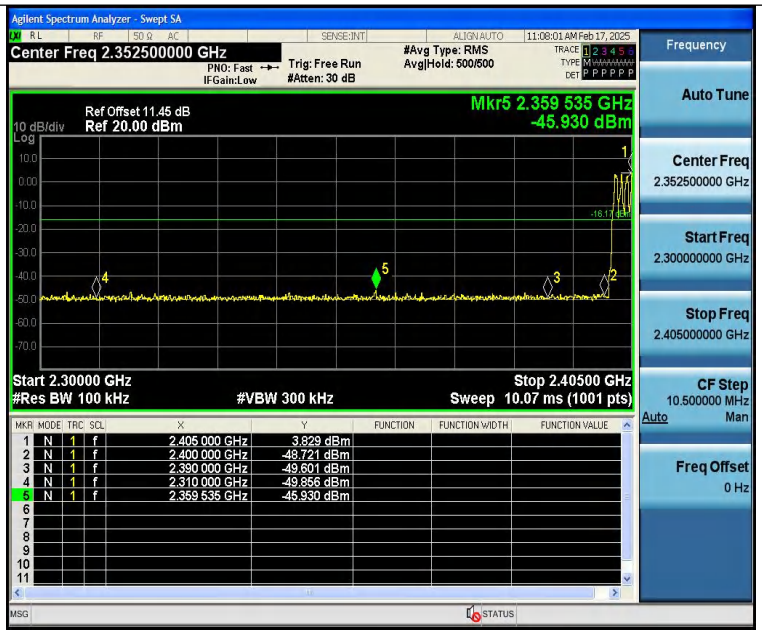

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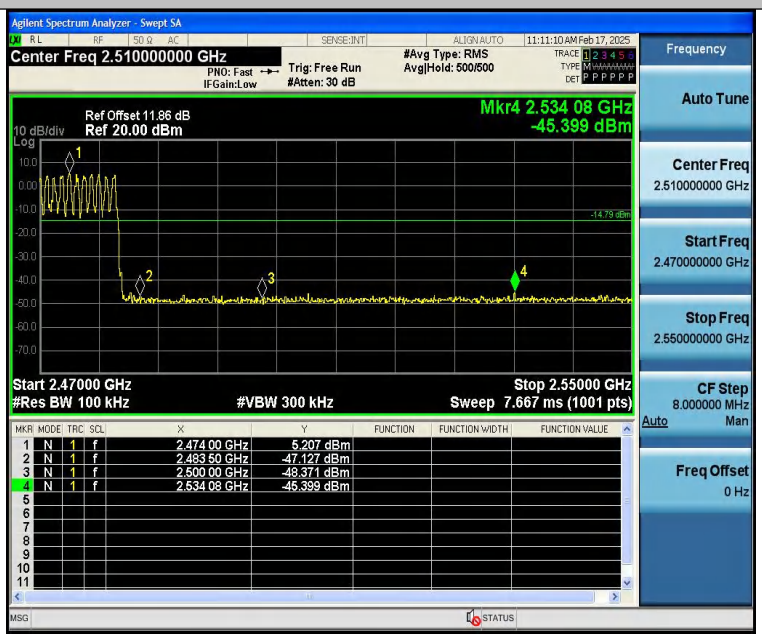

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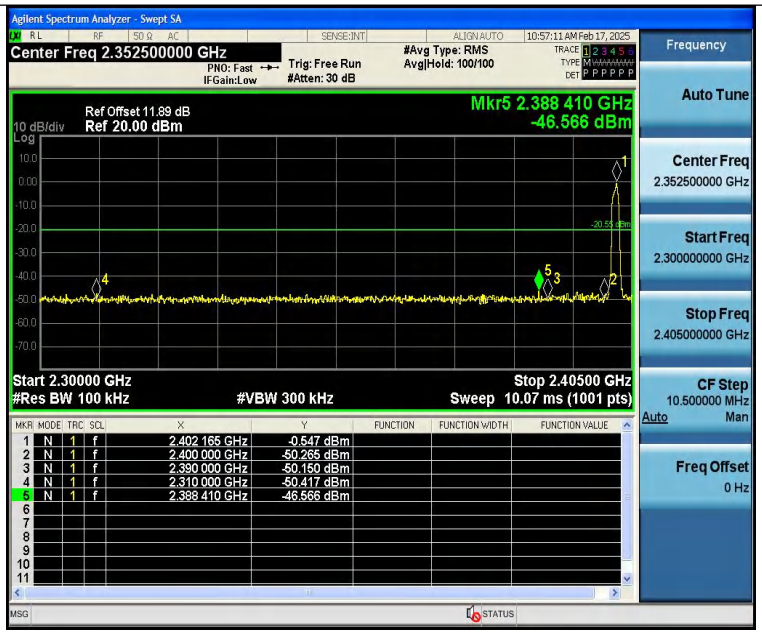

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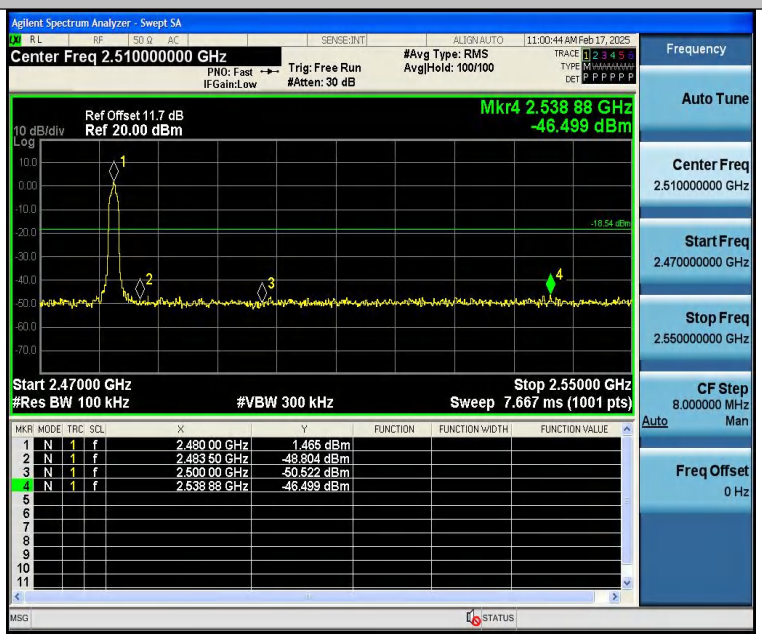

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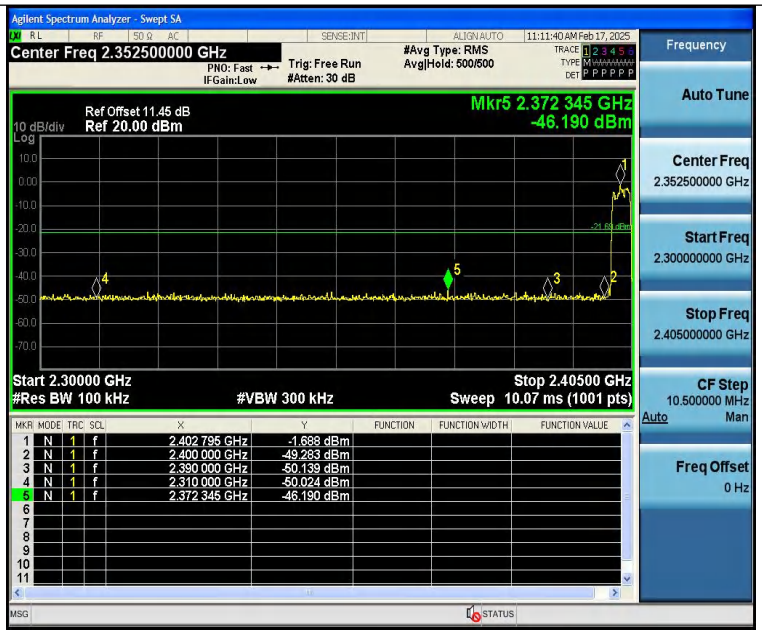
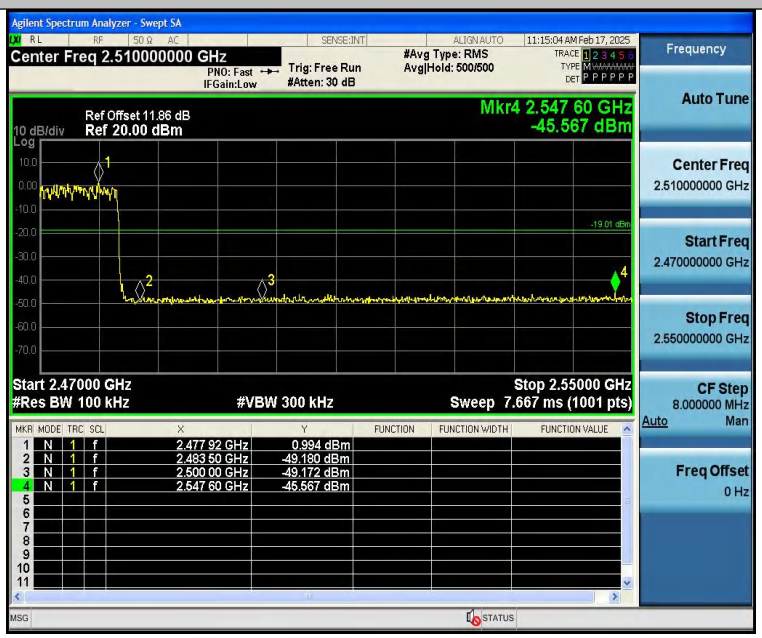


2DH5-Ant4-Hop_2480-PASS



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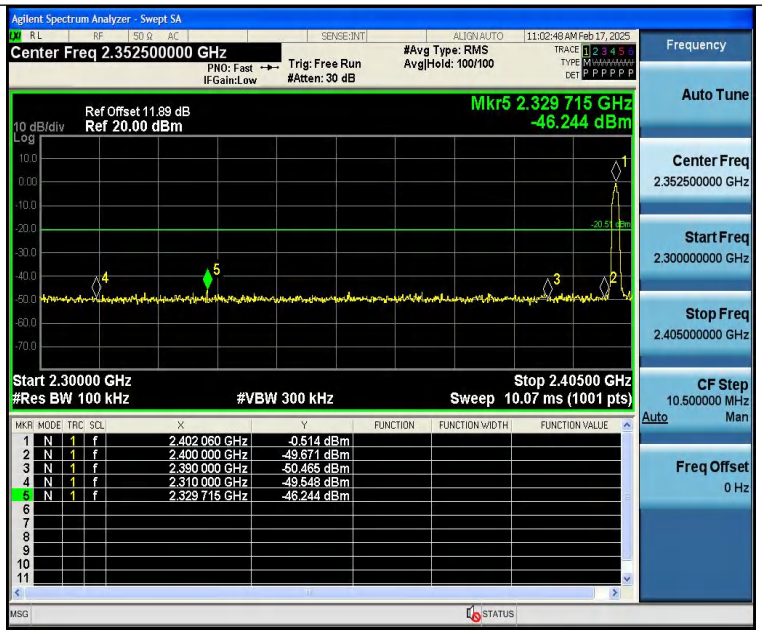

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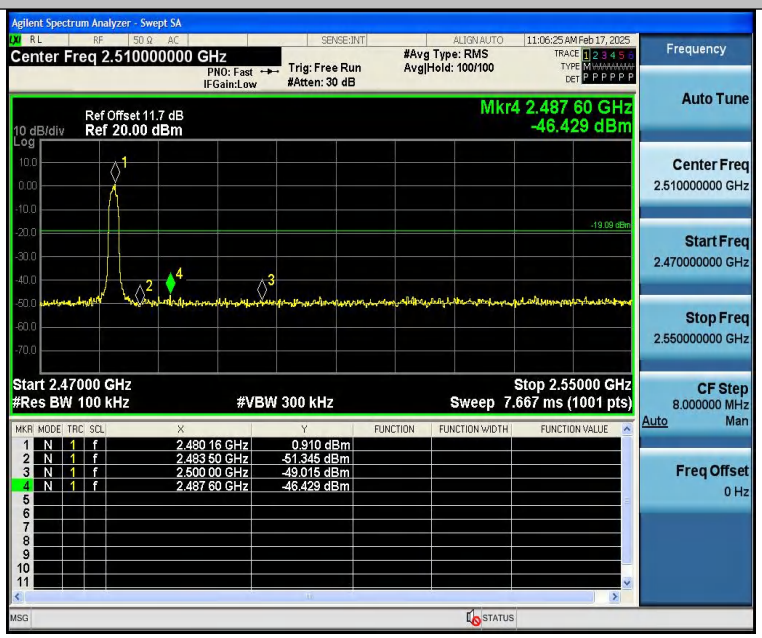

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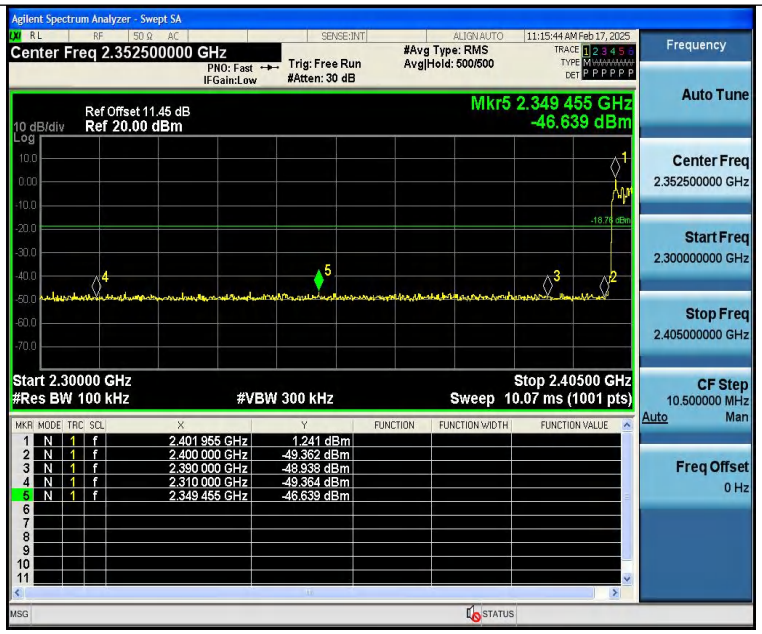
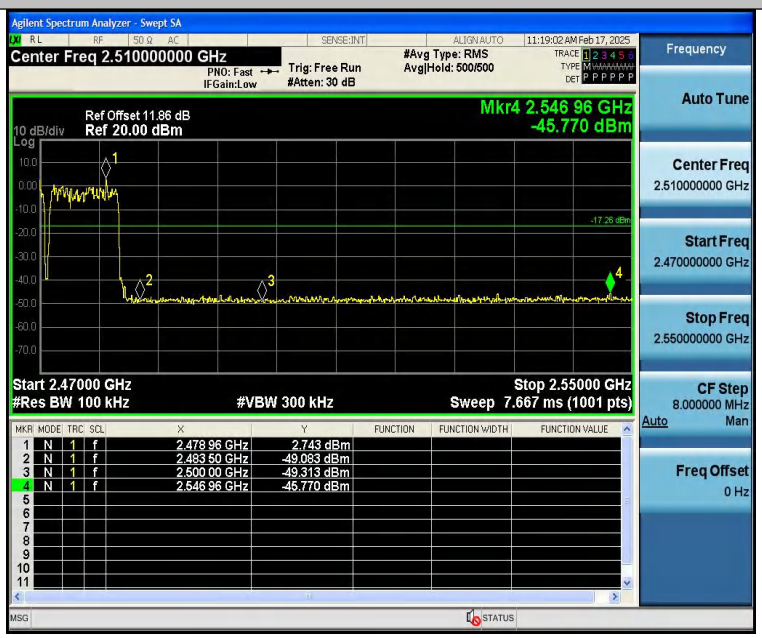
3DH5-Ant4-Hop_2480-PASS