

FCC TEST REPORT

FCC ID: 2AWUL-A2

Product : Sleep speaker
Model Name : A2
Brand : N/A
Report No. : NCT26032009E1-1

Prepared for

Shenzhen Pengxinfa Technology Co., Ltd

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Prepared by

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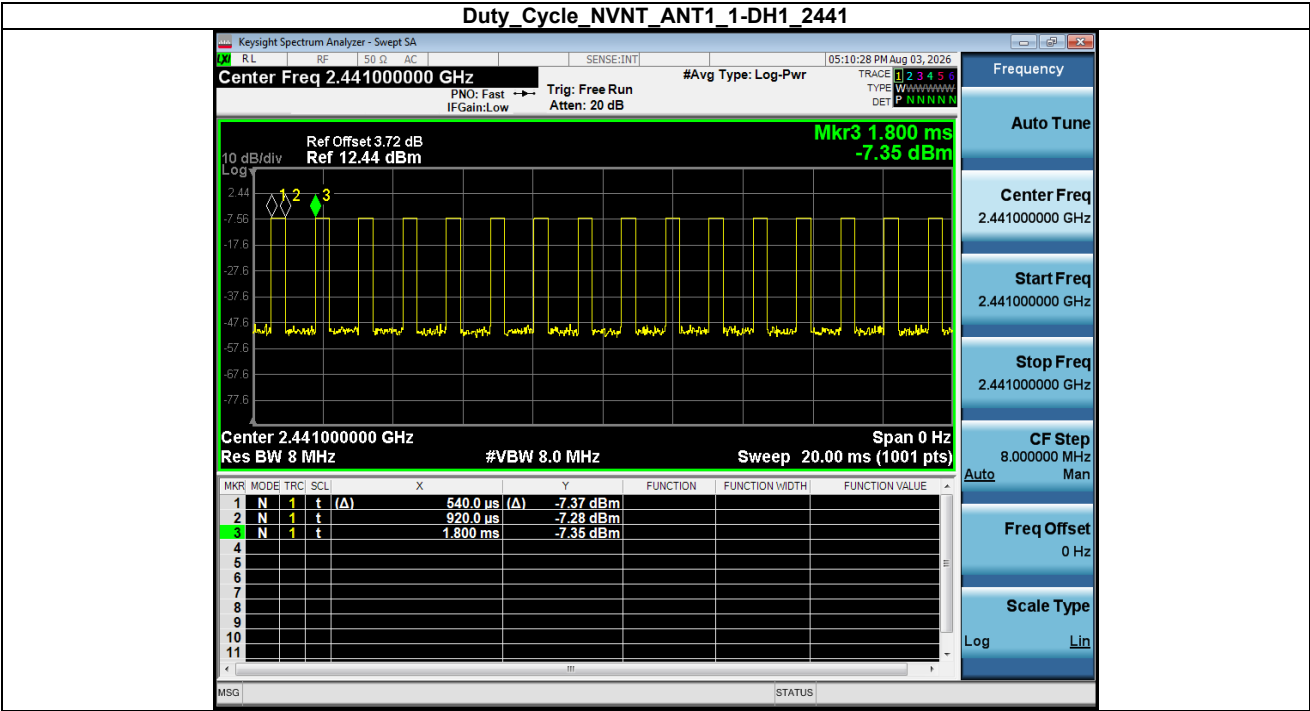
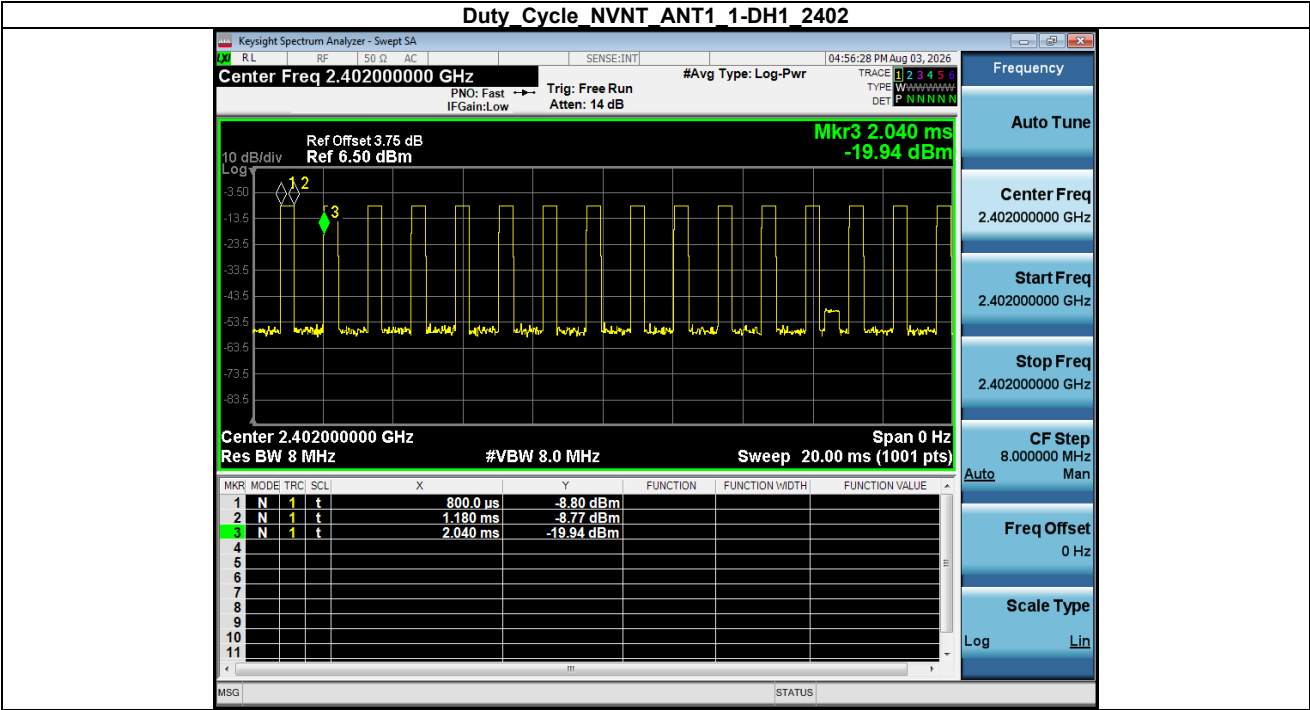
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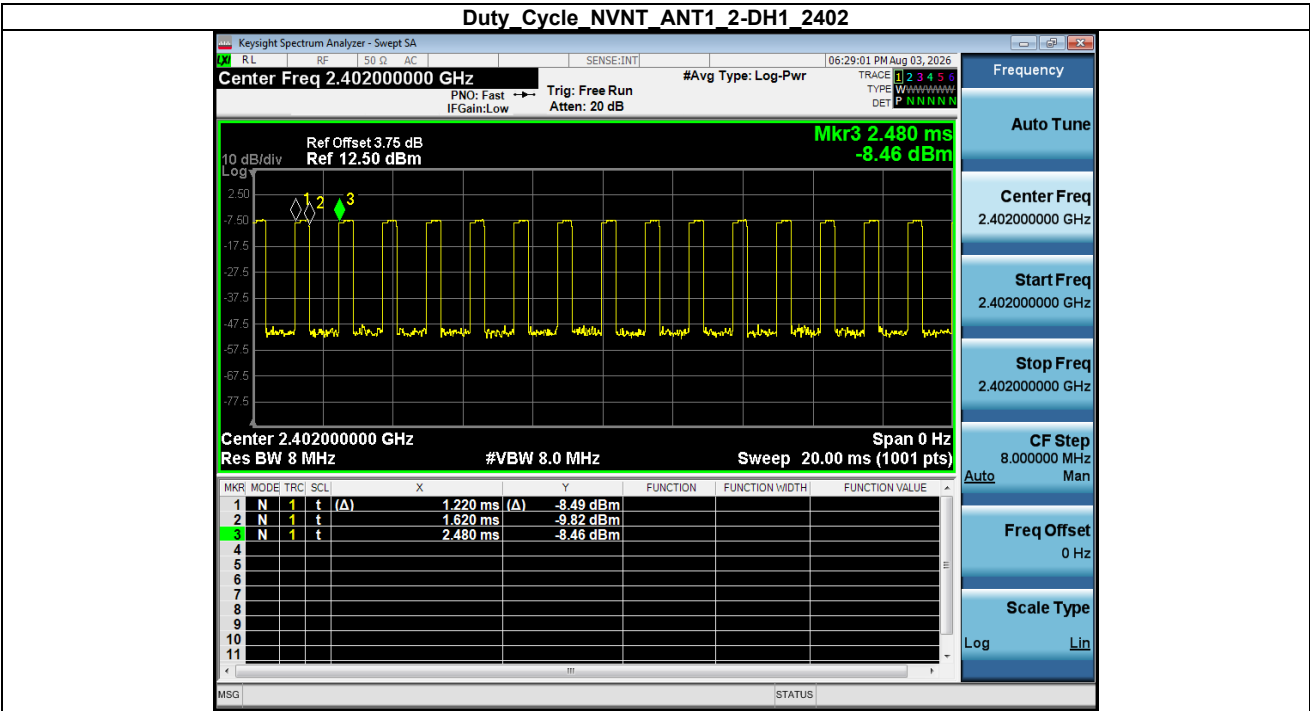
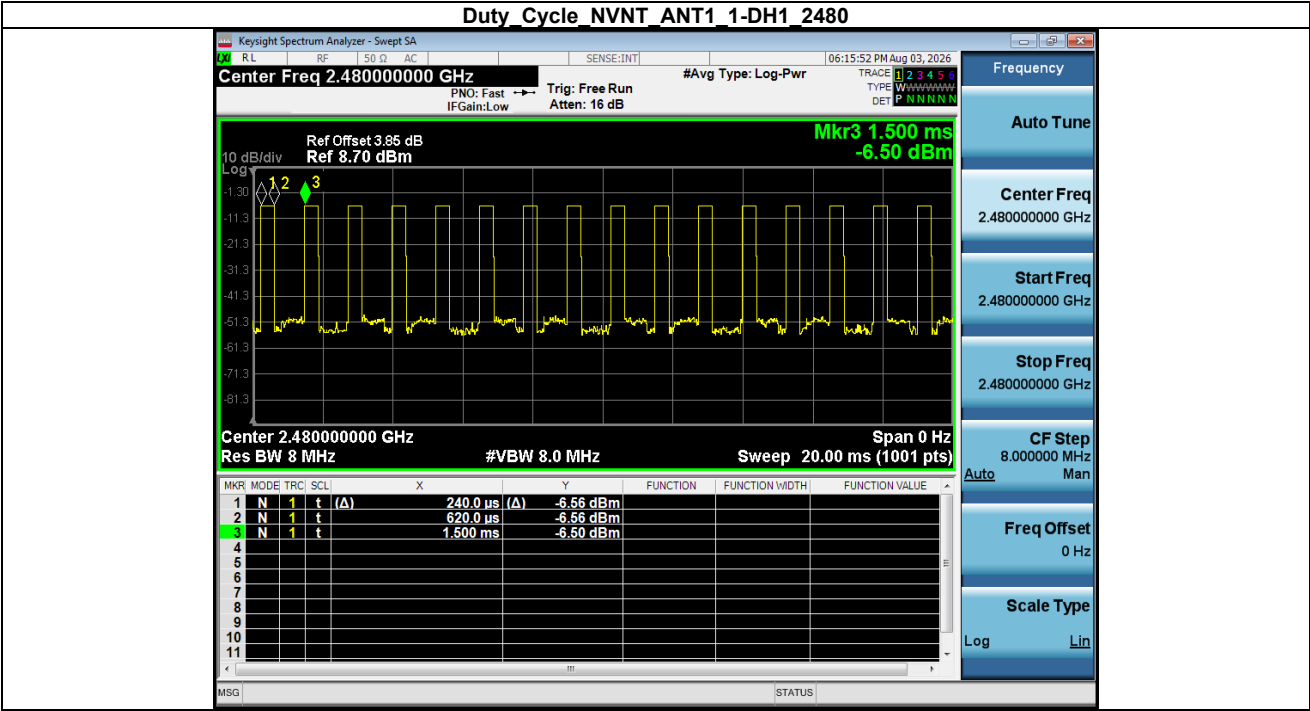
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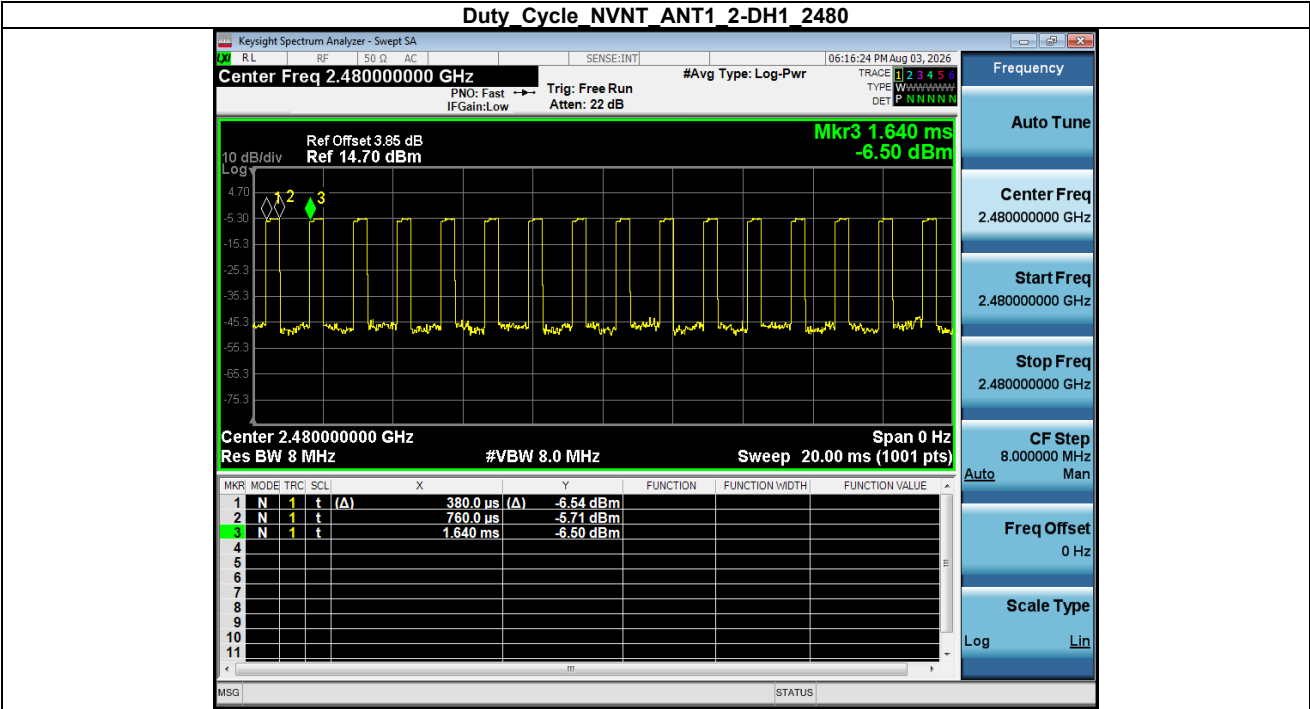
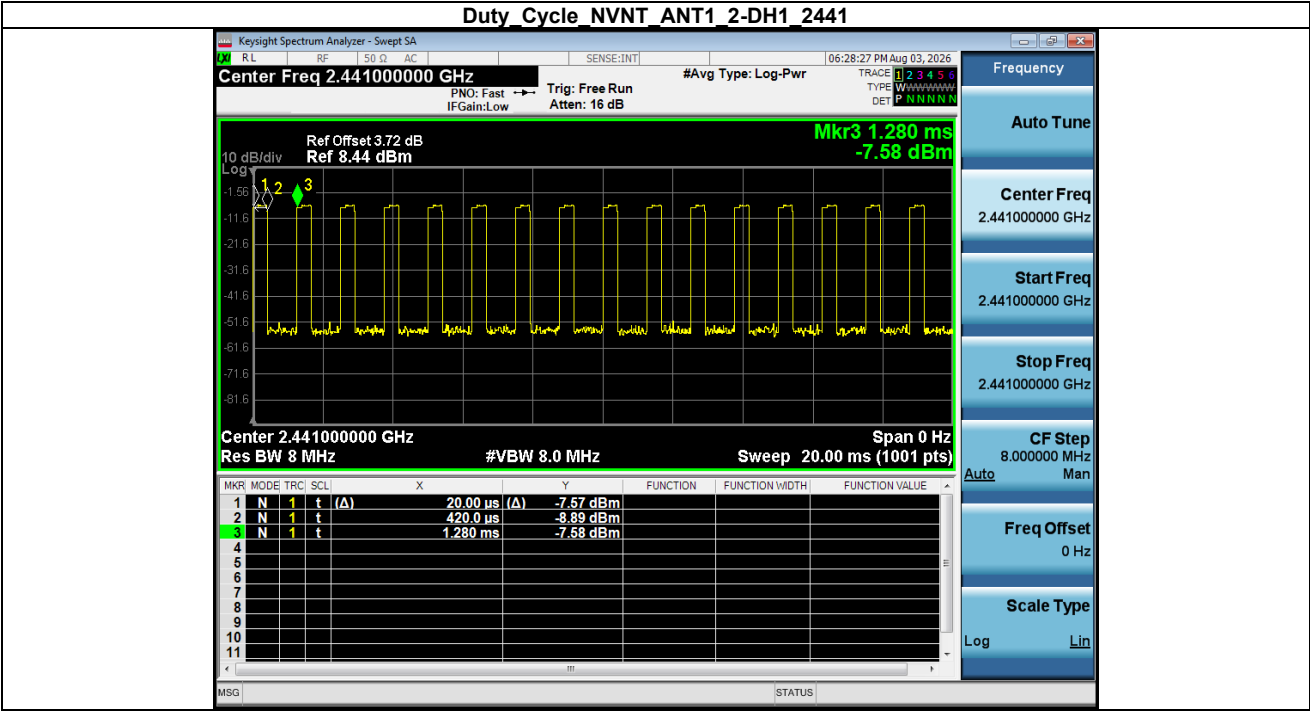
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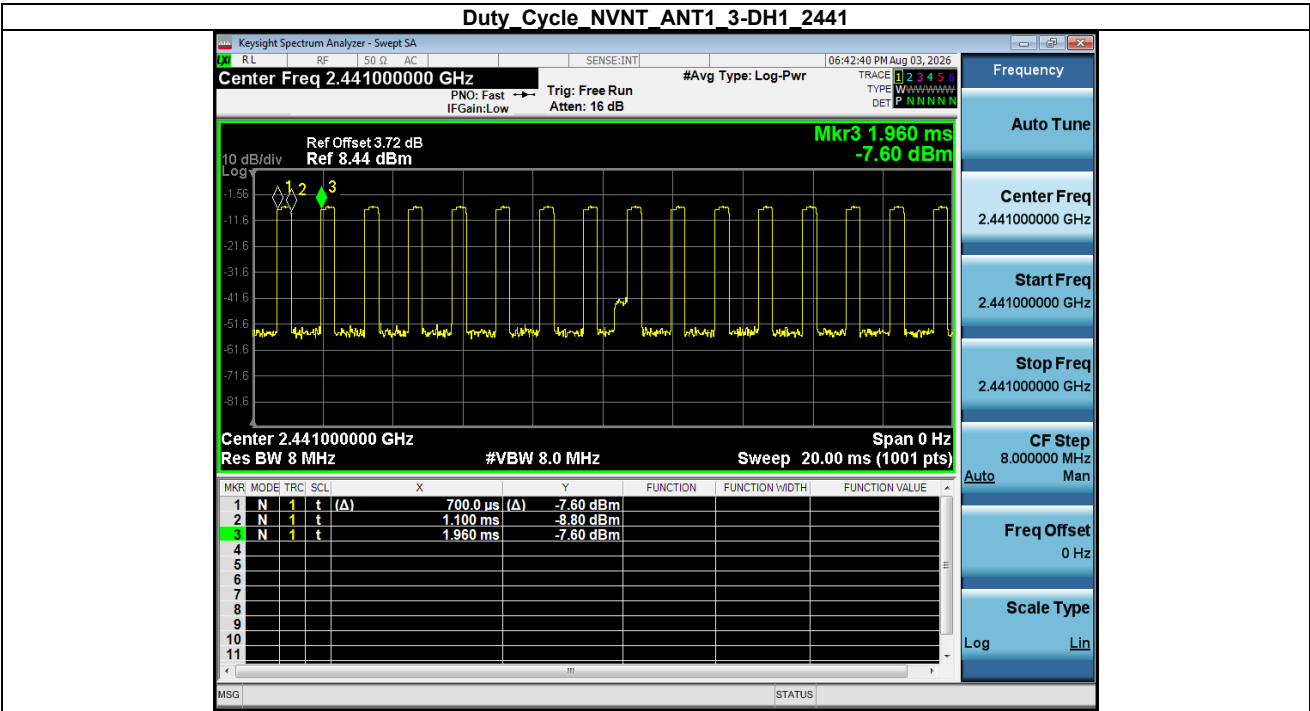
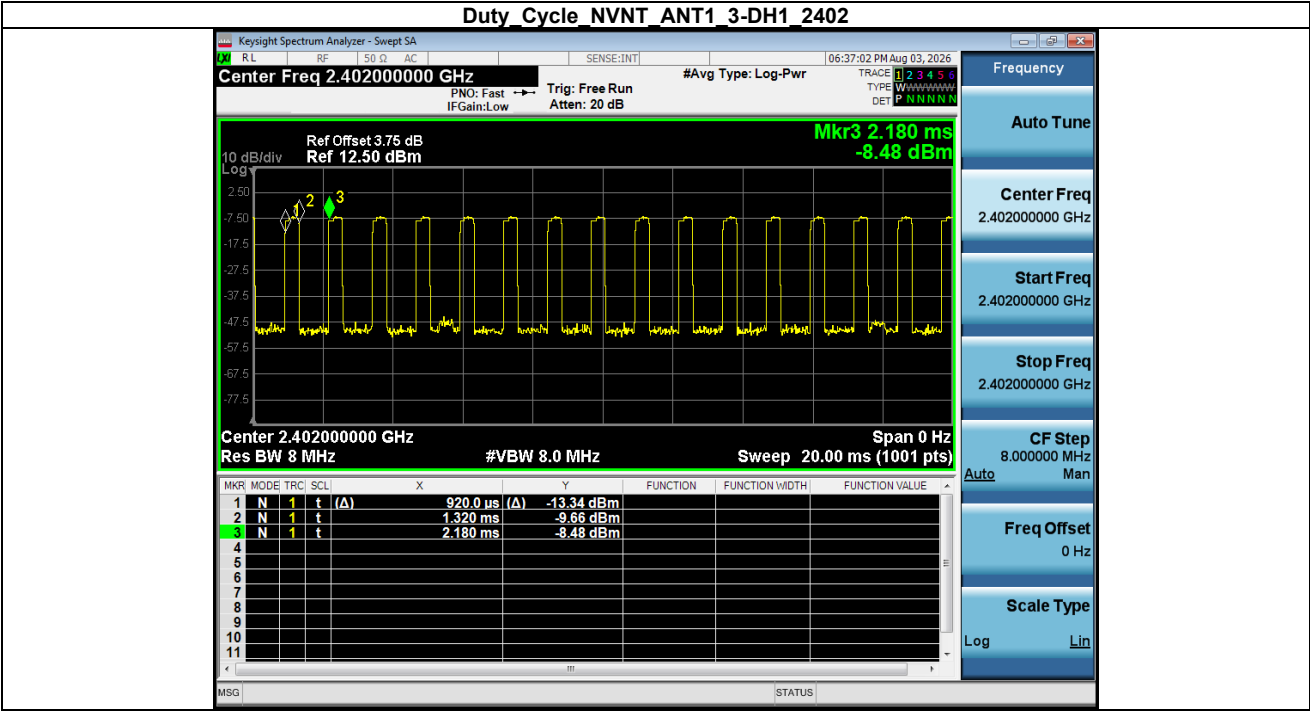
1. Duty Cycle

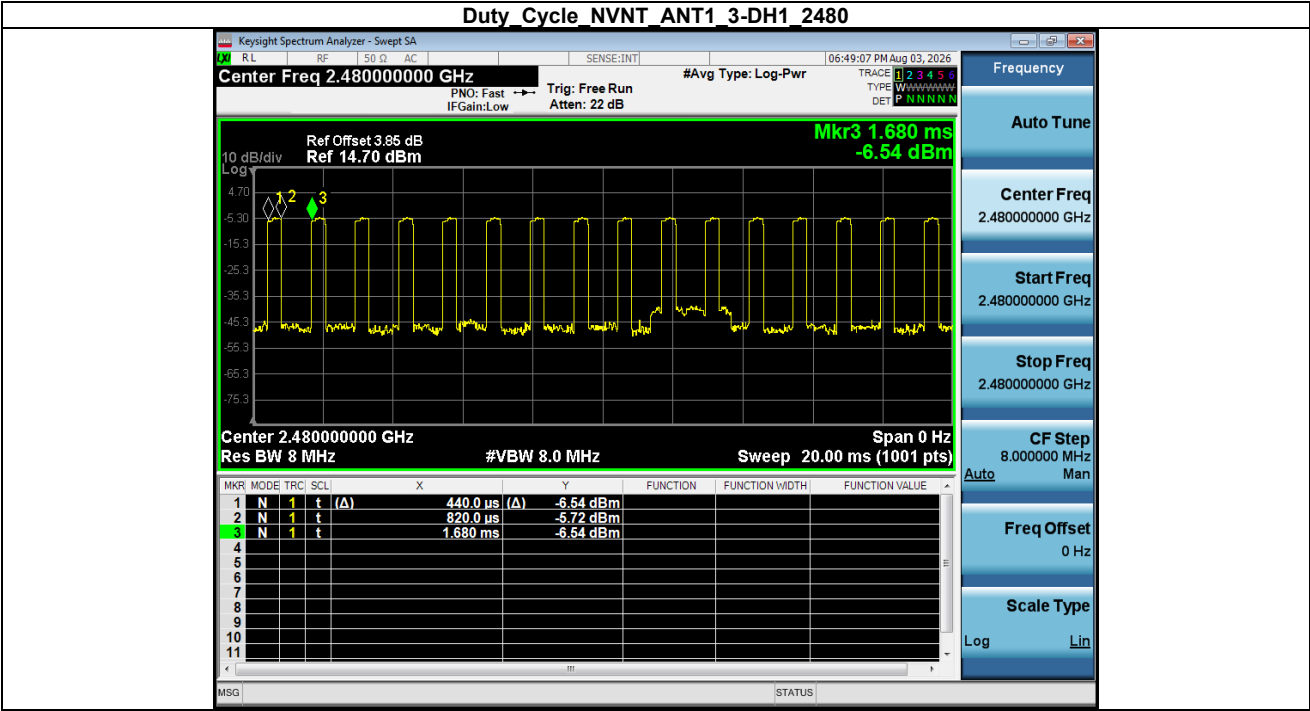
Condition	Antenna	Rate	Frequency (MHz)	Dutycycle(%)	Duty_factor
NVNT	ANT1	1-DH1	2402.00	30.65	5.14
NVNT	ANT1	1-DH1	2441.00	30.16	5.21
NVNT	ANT1	1-DH1	2480.00	30.16	5.21
NVNT	ANT1	2-DH1	2402.00	33.33	4.77
NVNT	ANT1	2-DH1	2441.00	31.75	4.98
NVNT	ANT1	2-DH1	2480.00	30.16	5.21
NVNT	ANT1	3-DH1	2402.00	33.33	4.77
NVNT	ANT1	3-DH1	2441.00	31.75	4.98
NVNT	ANT1	3-DH1	2480.00	30.65	5.14





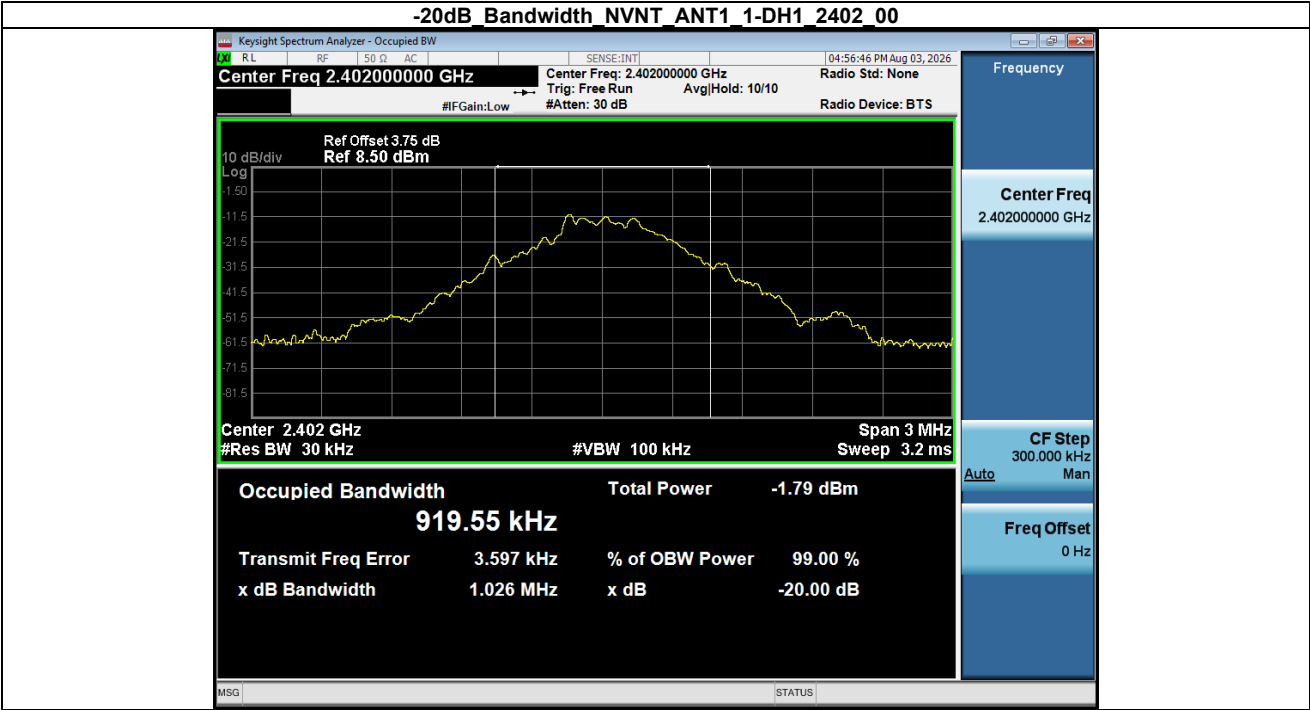


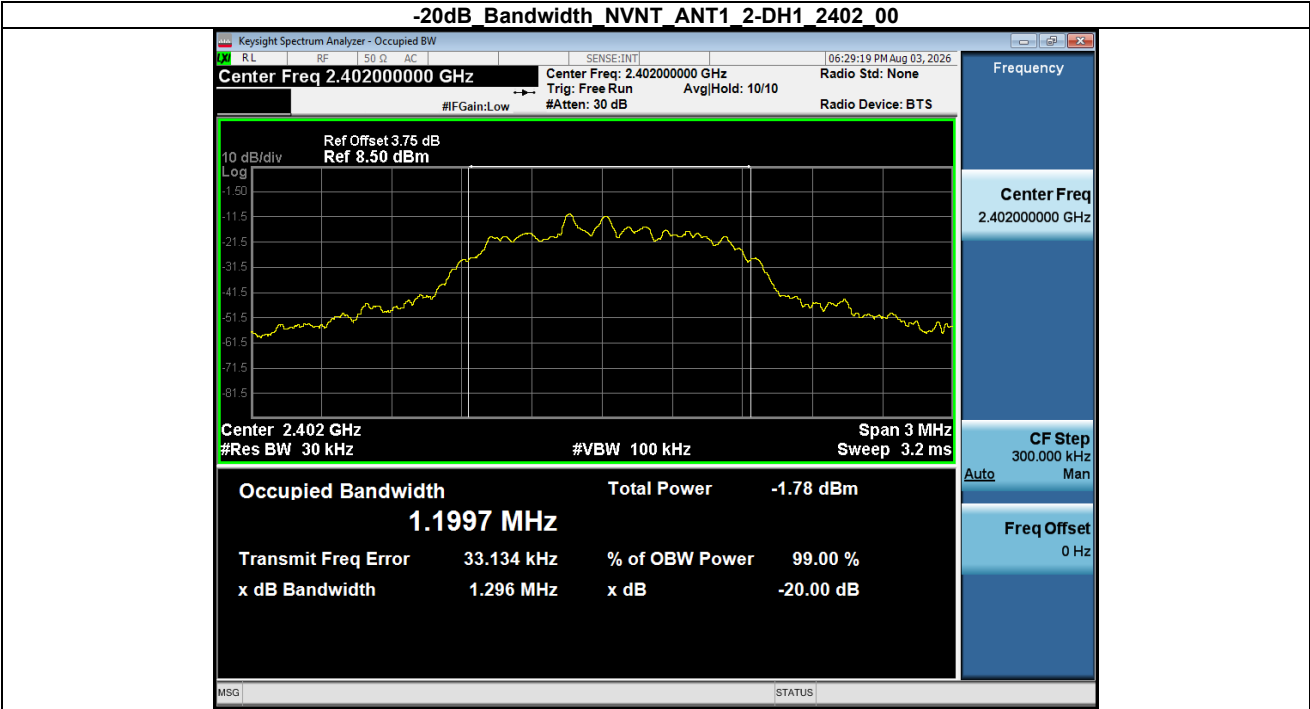
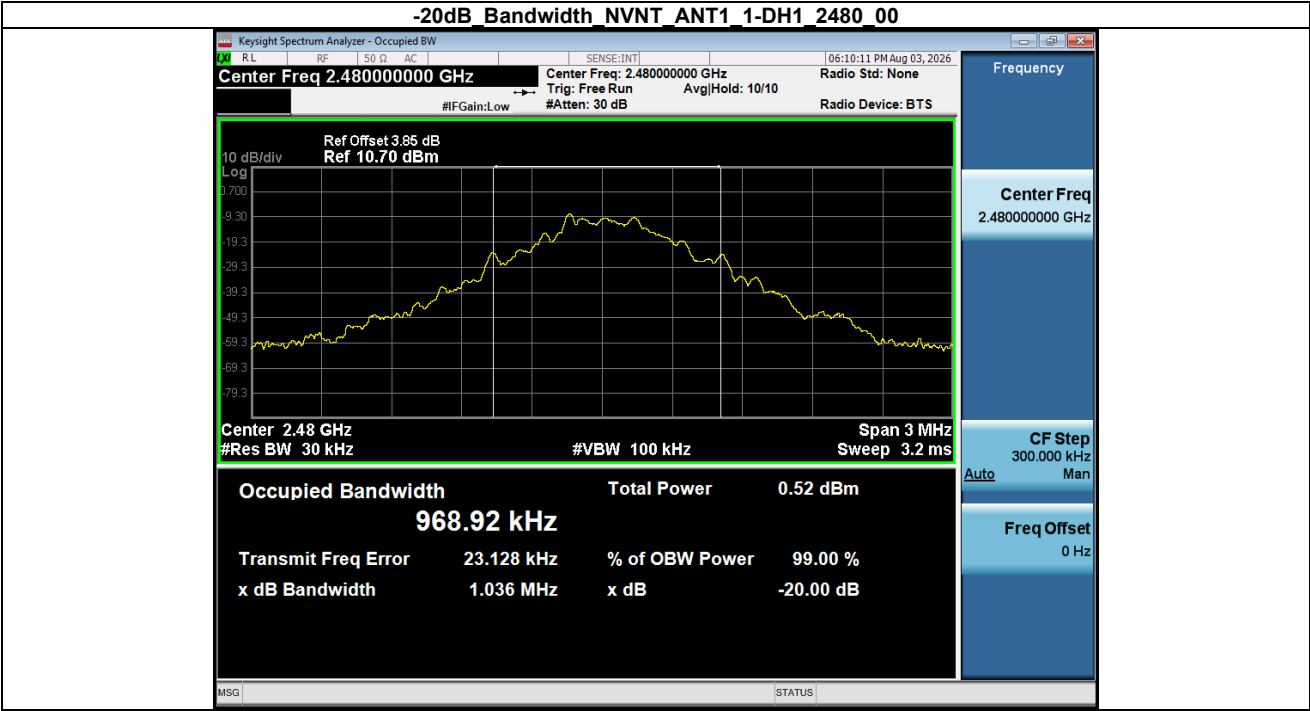


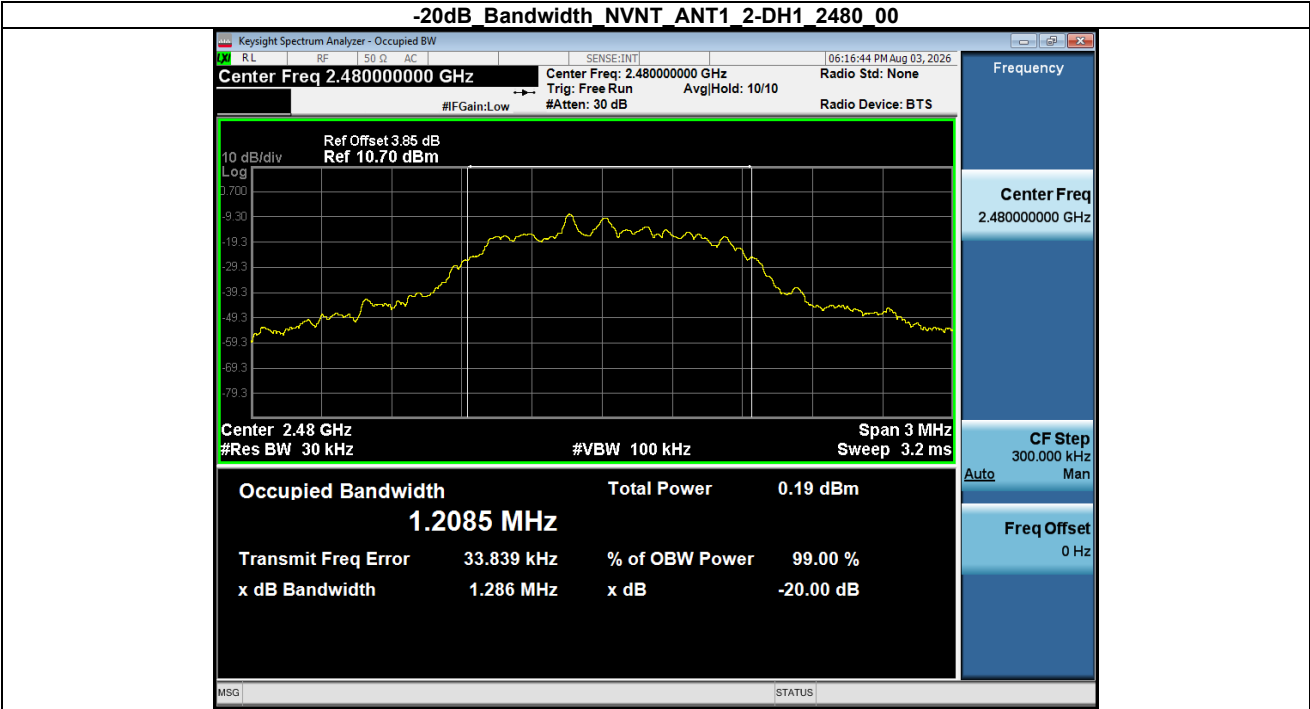
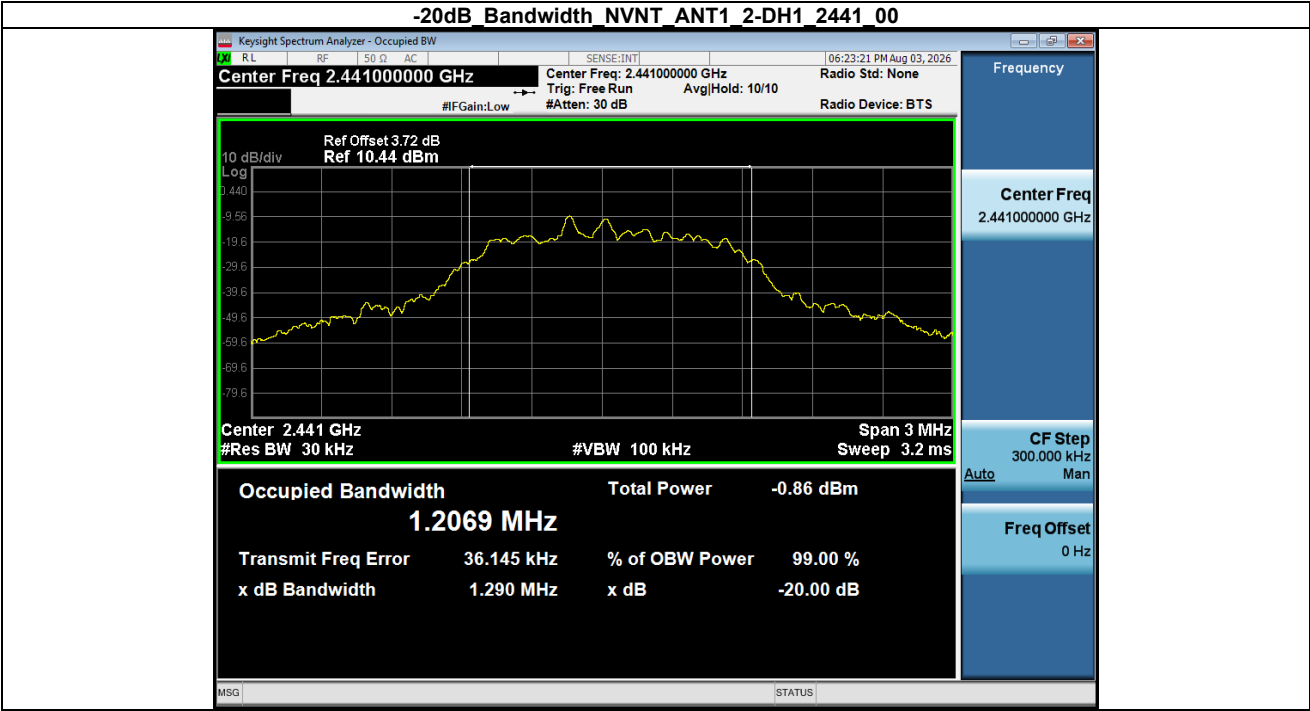


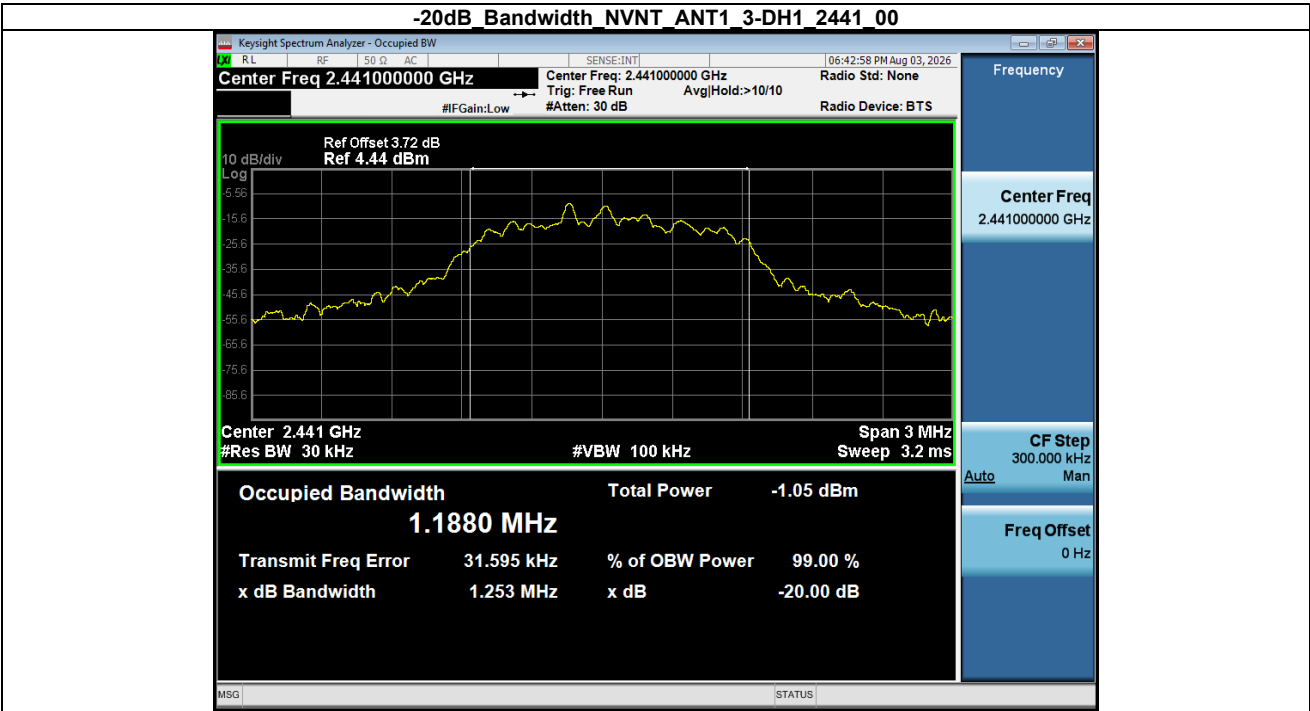
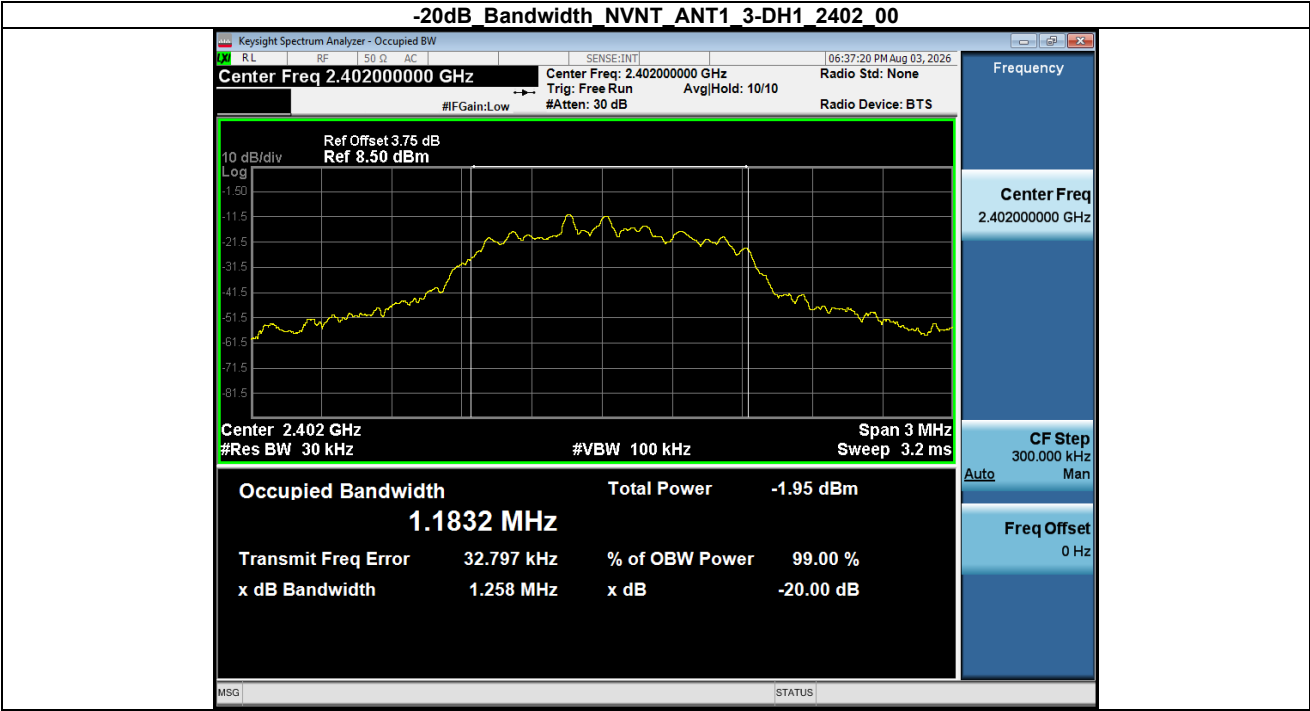
2. -20dB Bandwidth

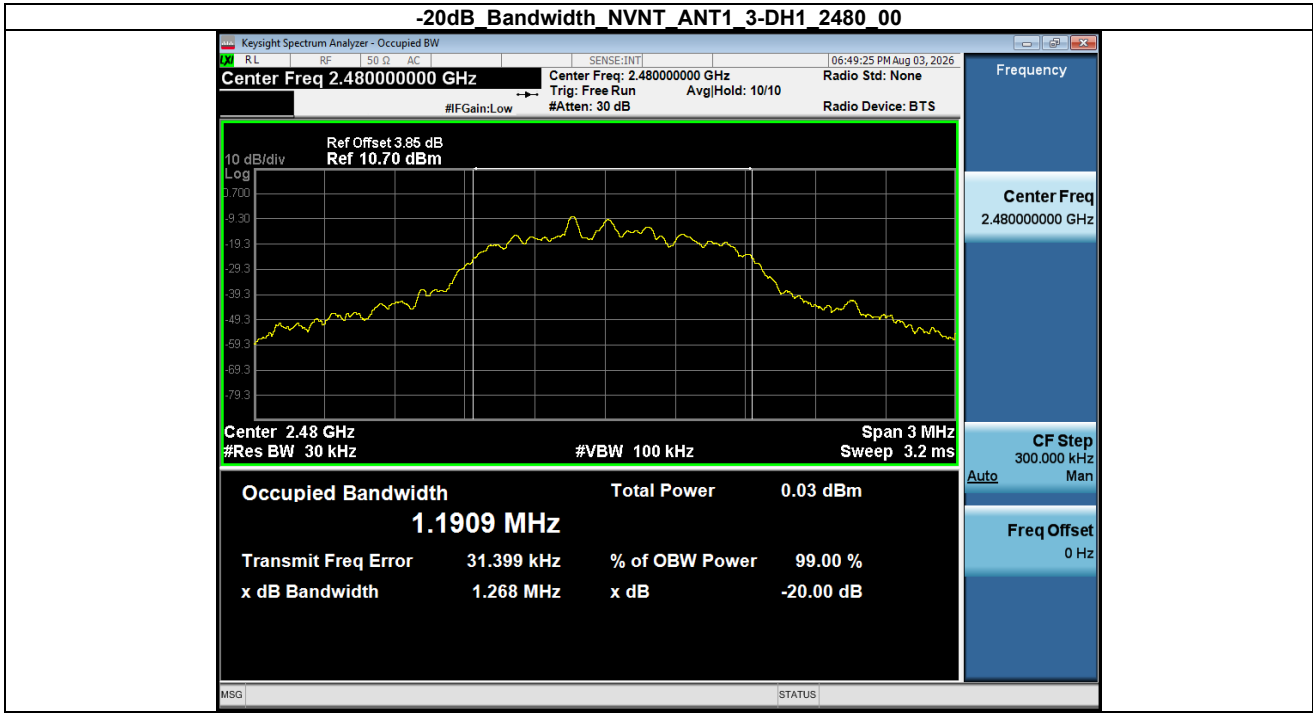
Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH1	2402.00	1.026	Yes
NVNT	ANT1	1-DH1	2441.00	1.035	Yes
NVNT	ANT1	1-DH1	2480.00	1.036	Yes
NVNT	ANT1	2-DH1	2402.00	1.296	Yes
NVNT	ANT1	2-DH1	2441.00	1.290	Yes
NVNT	ANT1	2-DH1	2480.00	1.286	Yes
NVNT	ANT1	3-DH1	2402.00	1.258	Yes
NVNT	ANT1	3-DH1	2441.00	1.253	Yes
NVNT	ANT1	3-DH1	2480.00	1.268	Yes





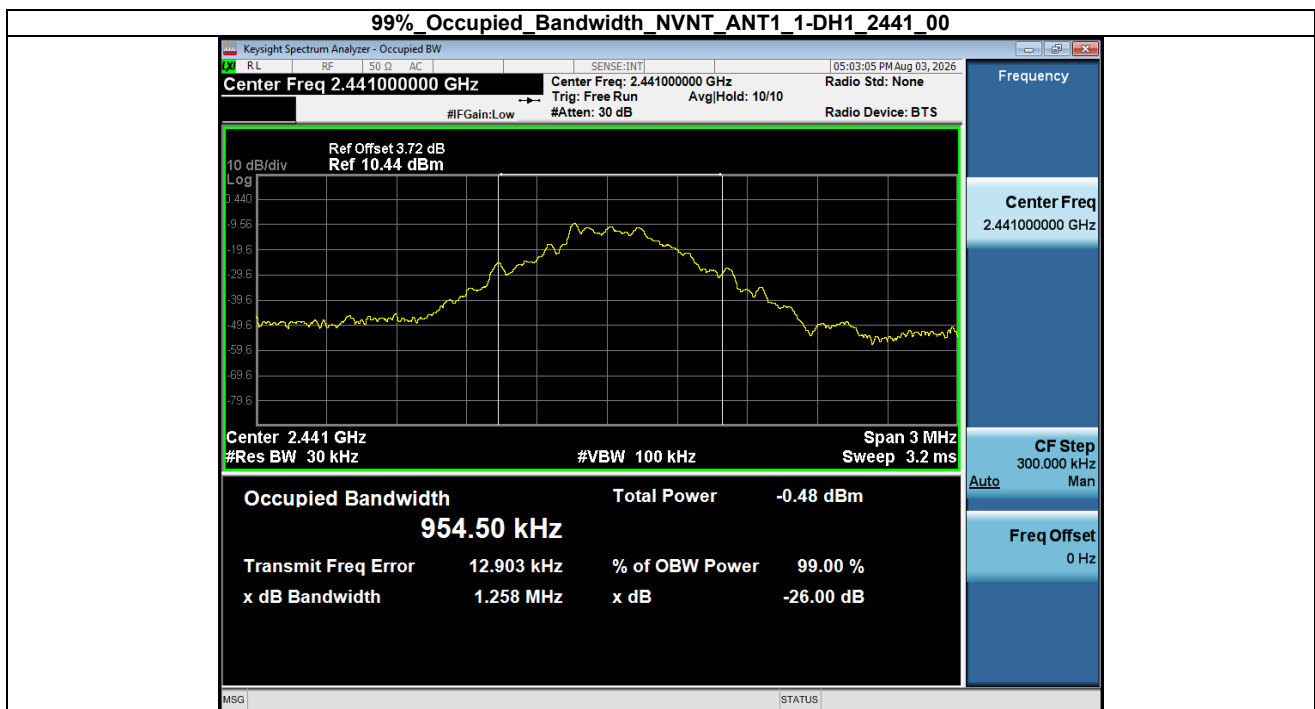
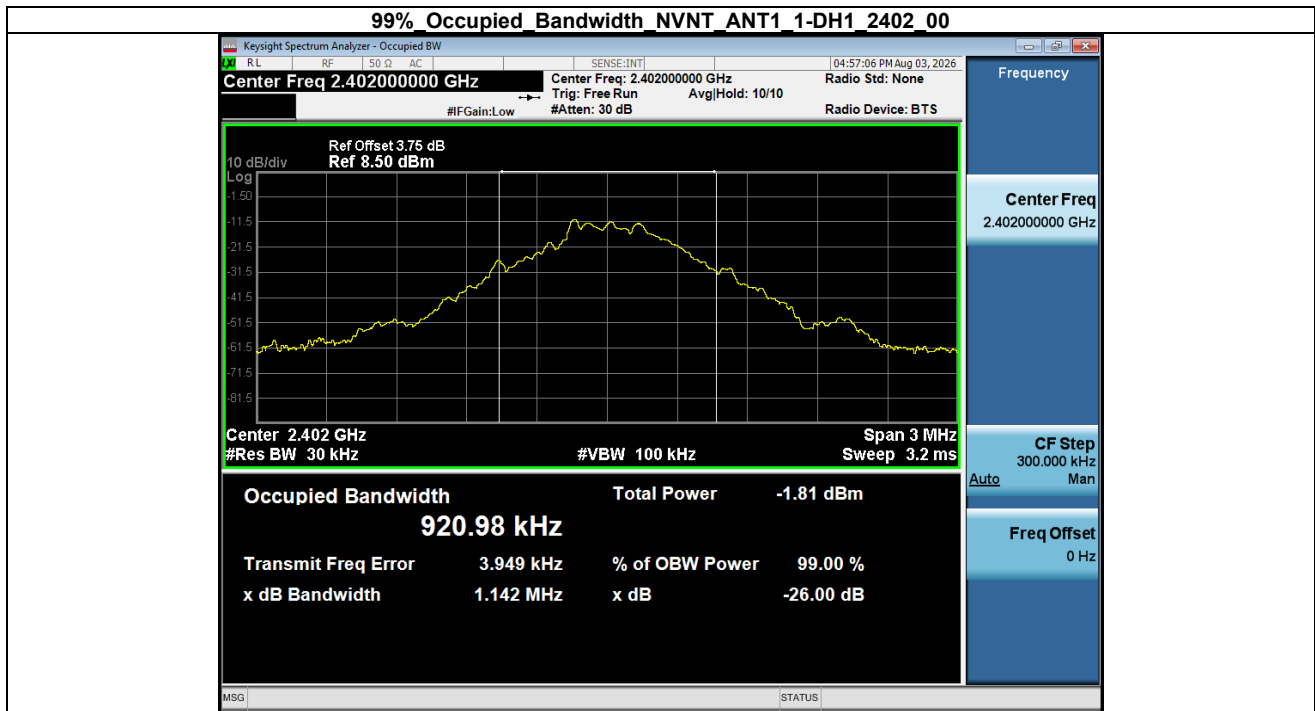


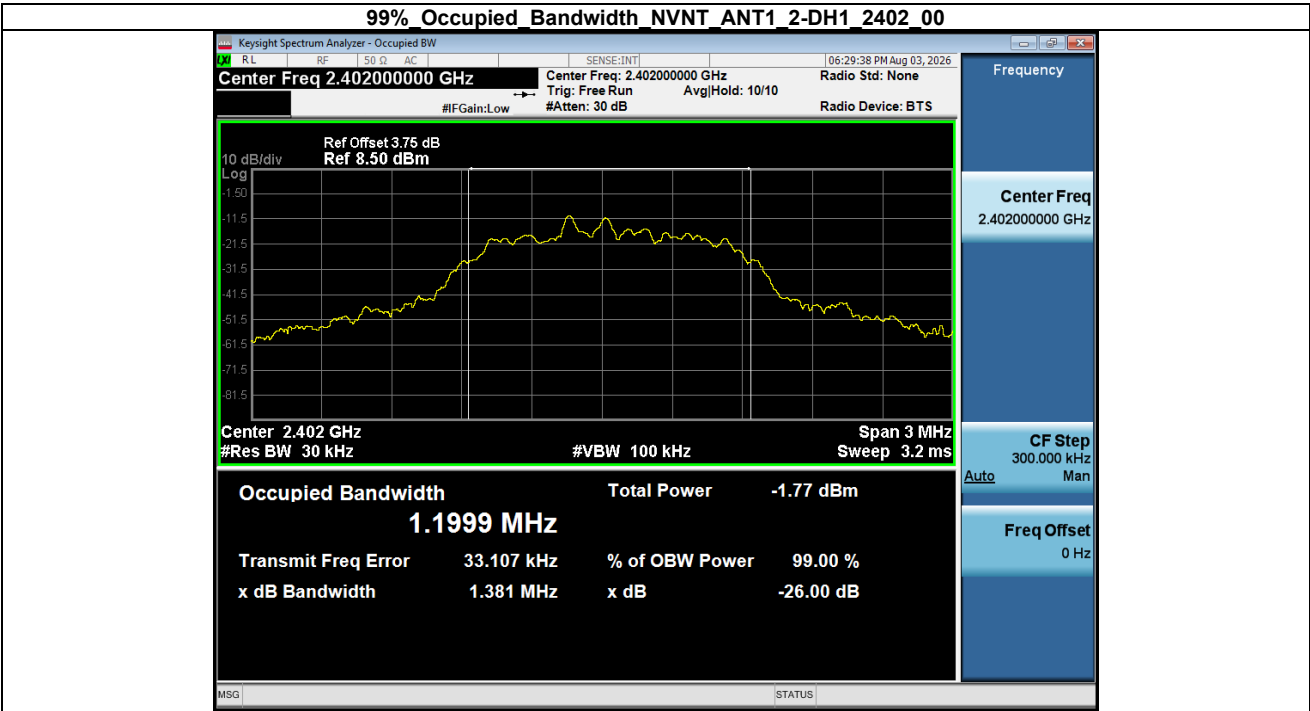
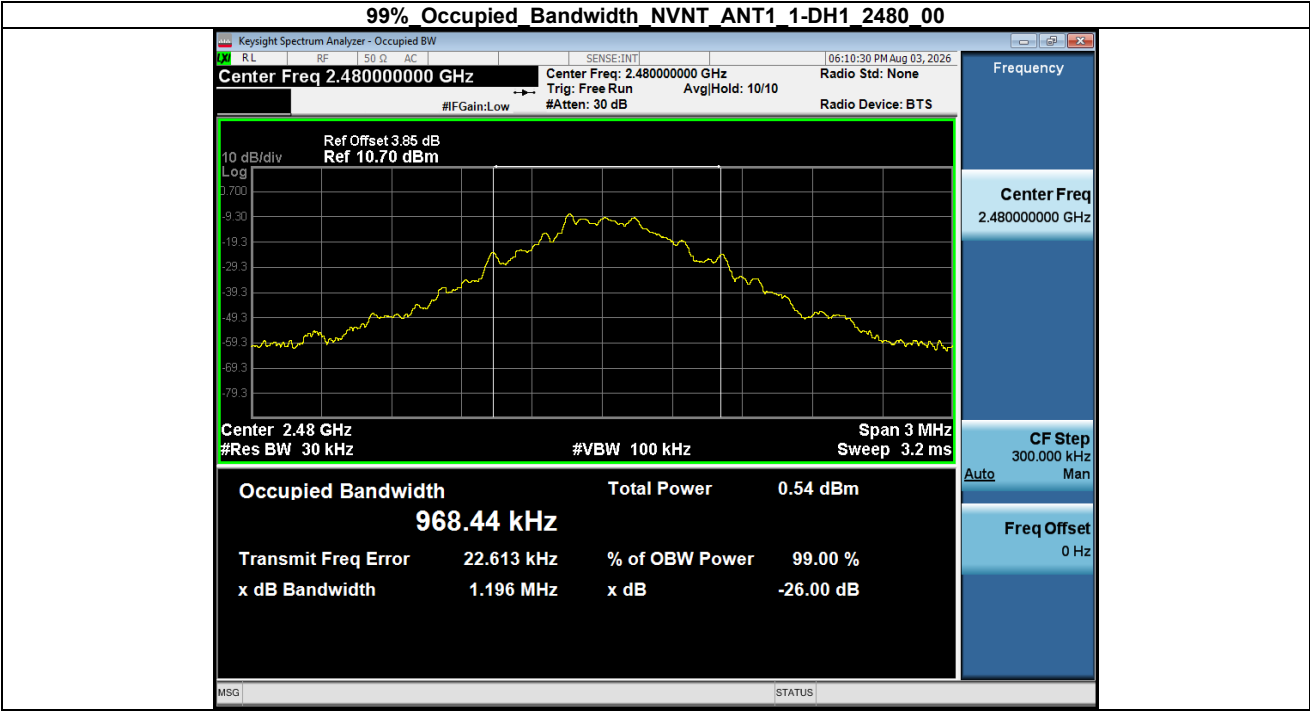


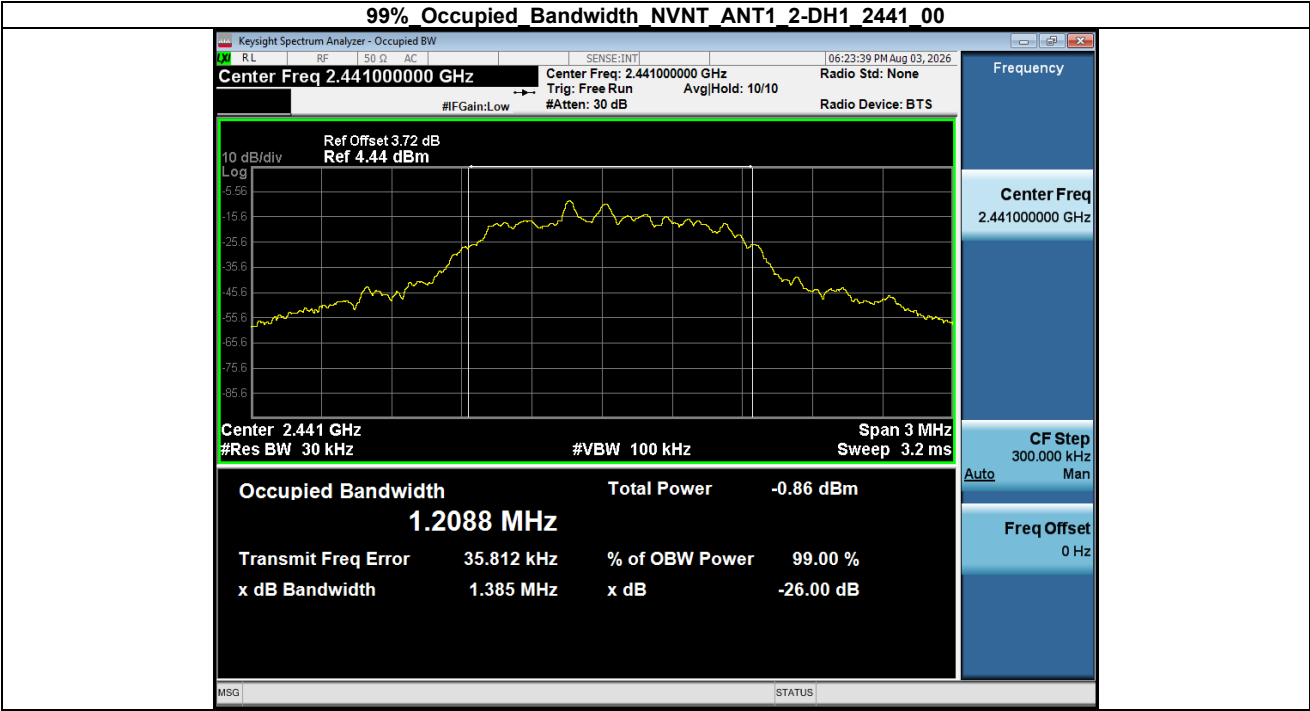


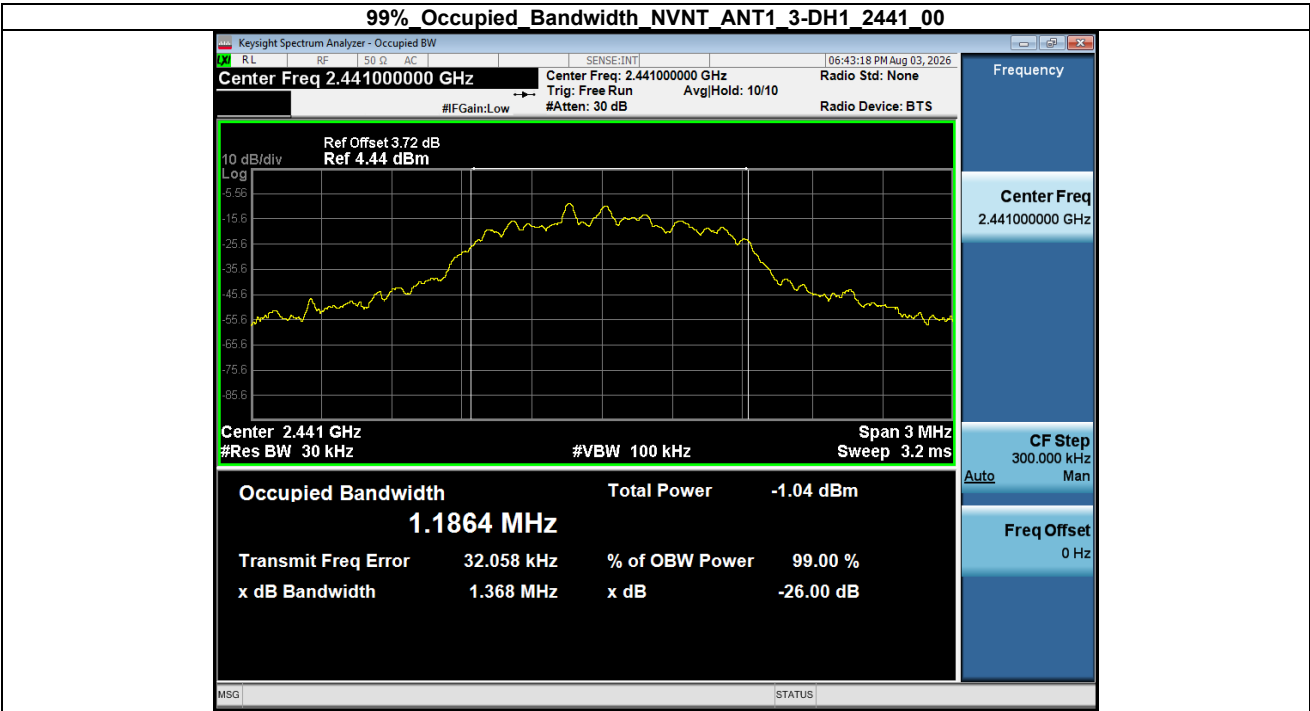
3. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW (MHz)
NVNT	ANT1	1-DH1	2402.00	0.921
NVNT	ANT1	1-DH1	2441.00	0.955
NVNT	ANT1	1-DH1	2480.00	0.968
NVNT	ANT1	2-DH1	2402.00	1.200
NVNT	ANT1	2-DH1	2441.00	1.209
NVNT	ANT1	2-DH1	2480.00	1.209
NVNT	ANT1	3-DH1	2402.00	1.182
NVNT	ANT1	3-DH1	2441.00	1.186
NVNT	ANT1	3-DH1	2480.00	1.191







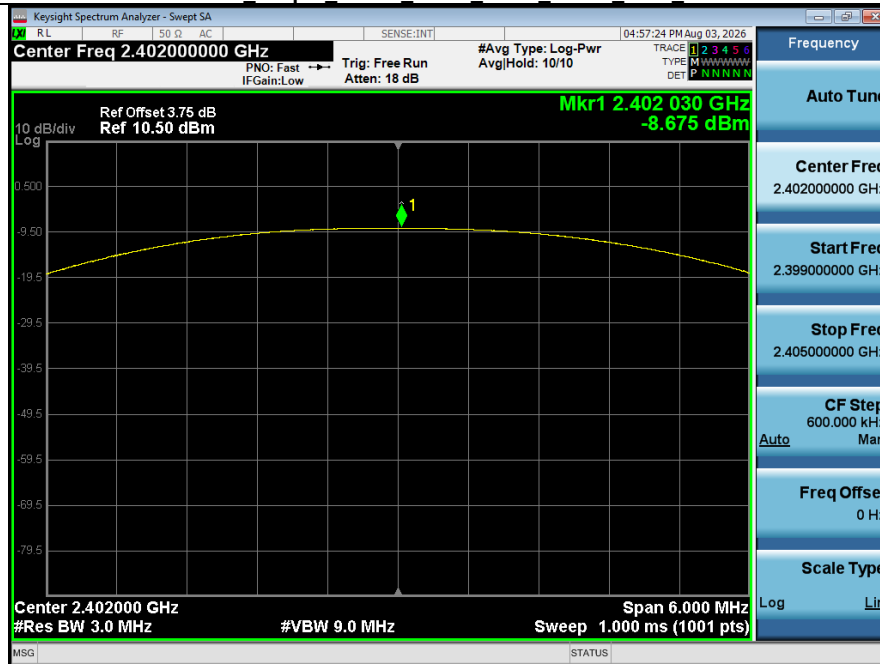




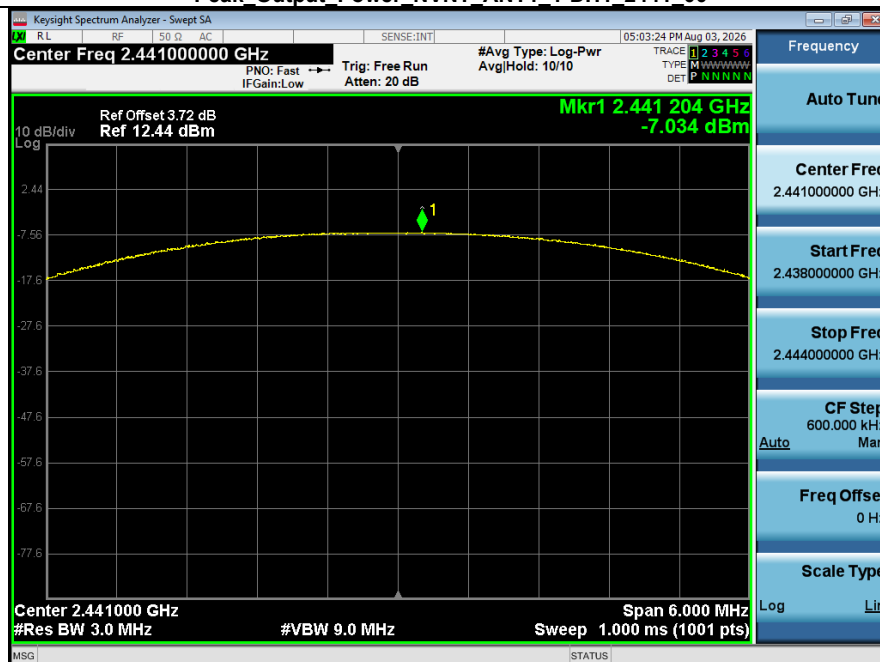
4. Peak Output Power

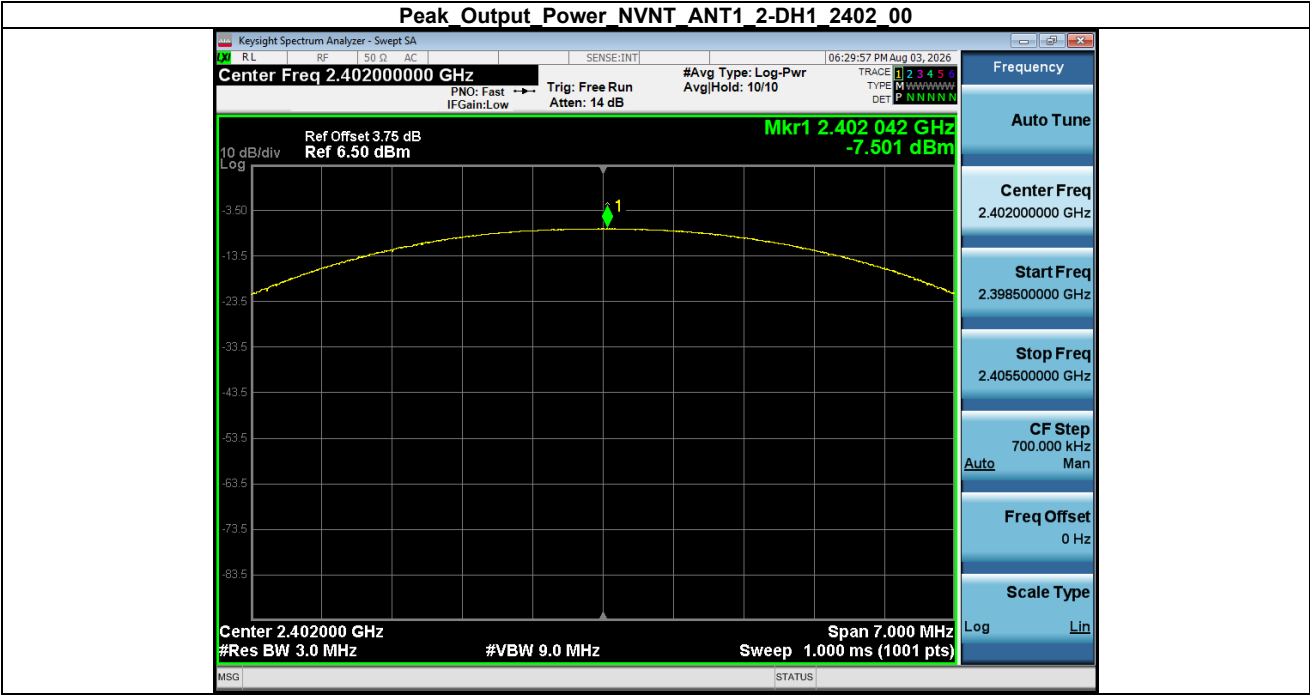
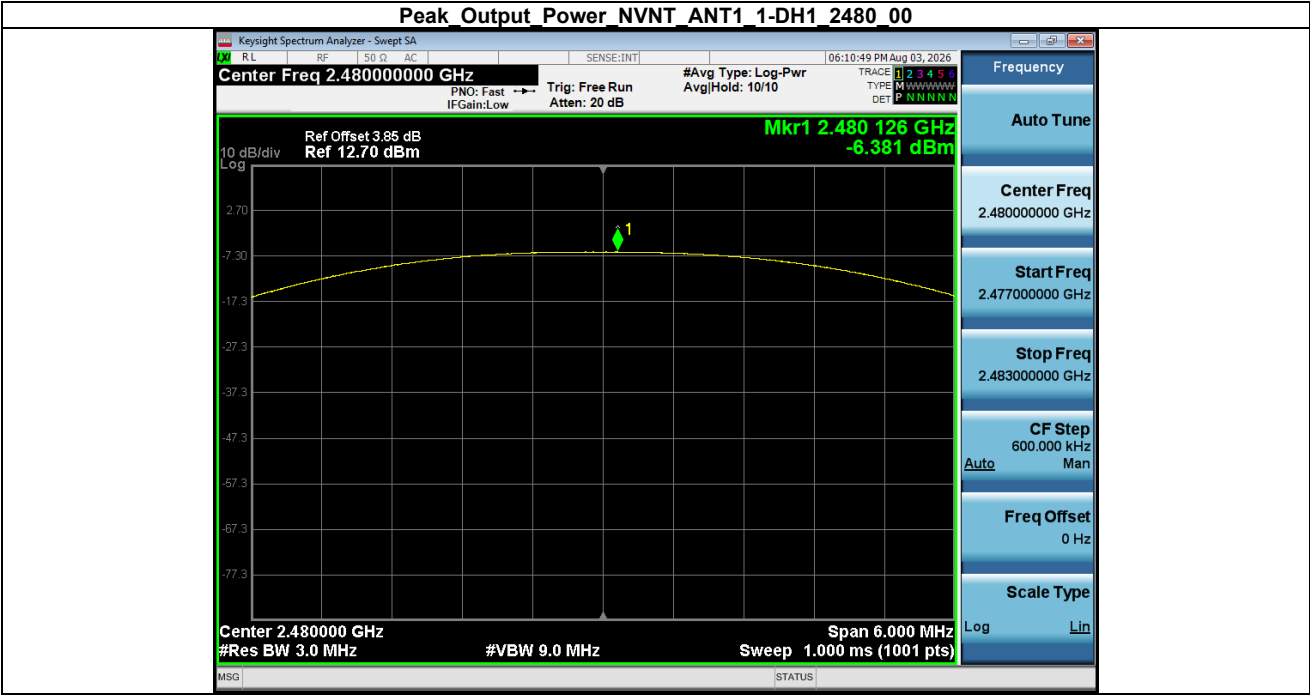
Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH1	2402.00	-8.68	0.14	125	Pass
NVNT	ANT1	1-DH1	2441.00	-7.03	0.20	125	Pass
NVNT	ANT1	1-DH1	2480.00	-6.38	0.23	125	Pass
NVNT	ANT1	2-DH1	2402.00	-7.50	0.18	125	Pass
NVNT	ANT1	2-DH1	2441.00	-6.54	0.22	125	Pass
NVNT	ANT1	2-DH1	2480.00	-5.55	0.28	125	Pass
NVNT	ANT1	3-DH1	2402.00	-6.94	0.20	125	Pass
NVNT	ANT1	3-DH1	2441.00	-6.03	0.25	125	Pass
NVNT	ANT1	3-DH1	2480.00	-5.02	0.31	125	Pass

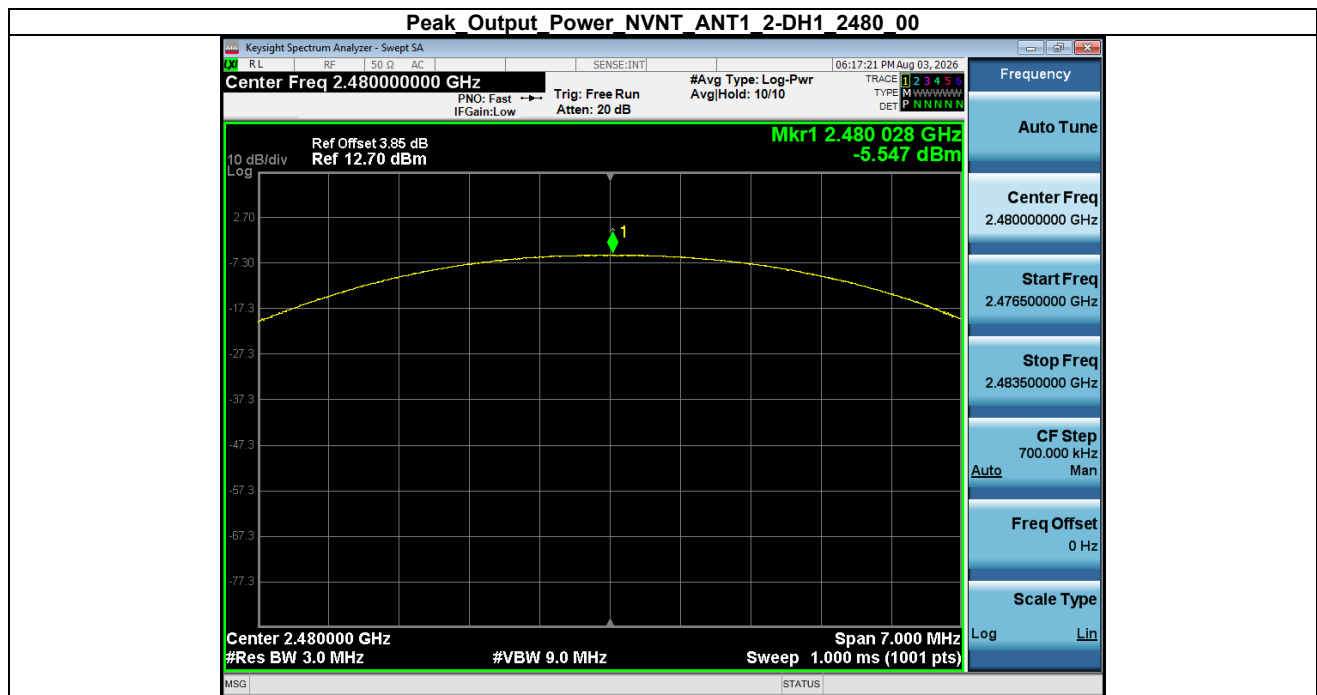
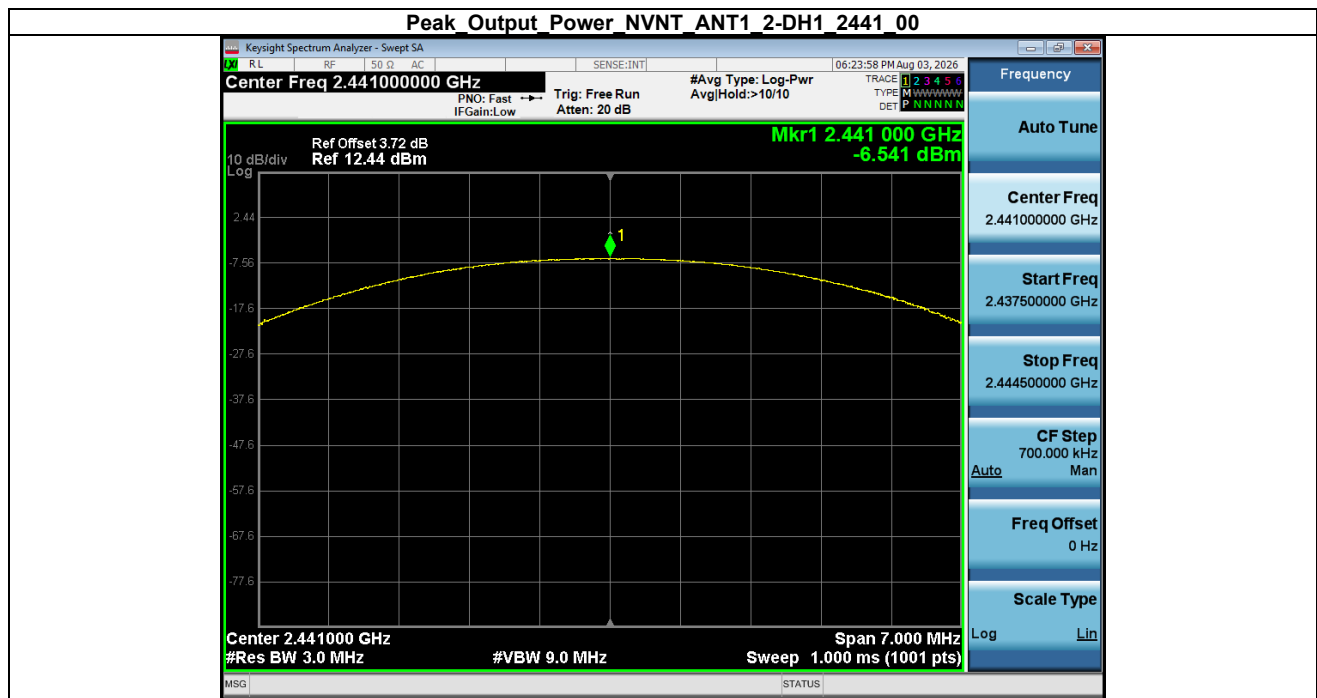
Peak Output Power NVNT_ANT1_1-DH1_2402_00

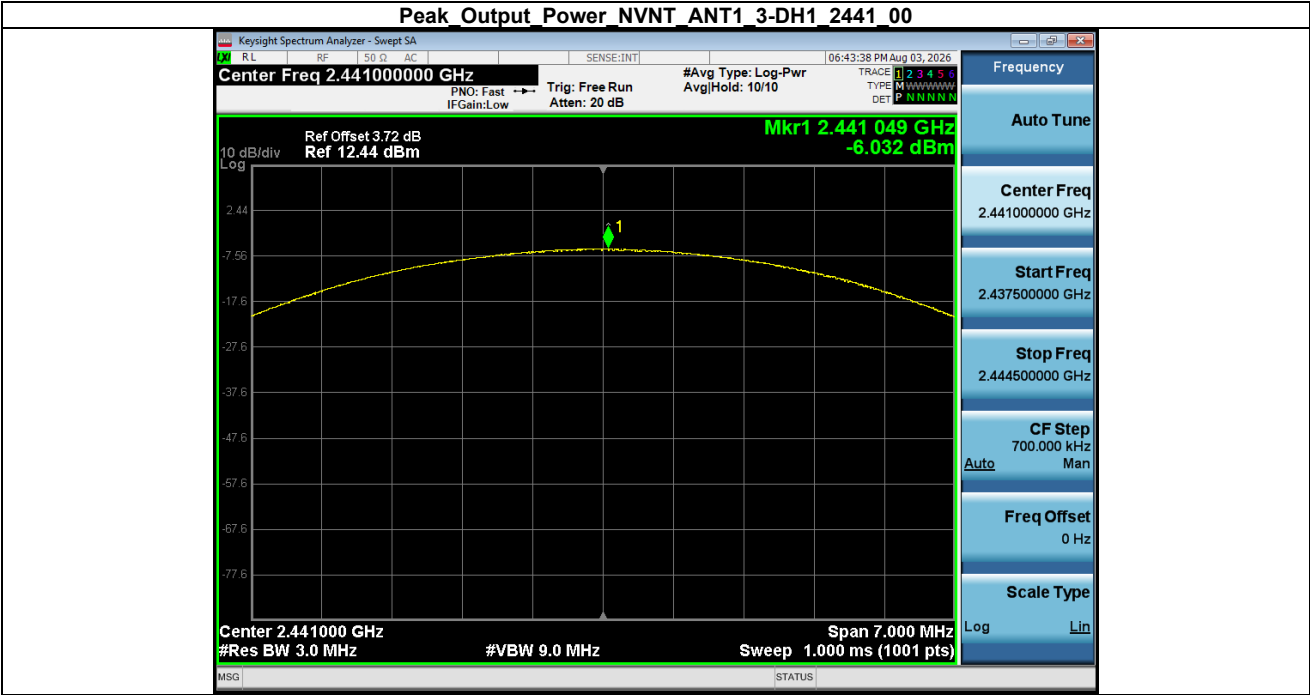
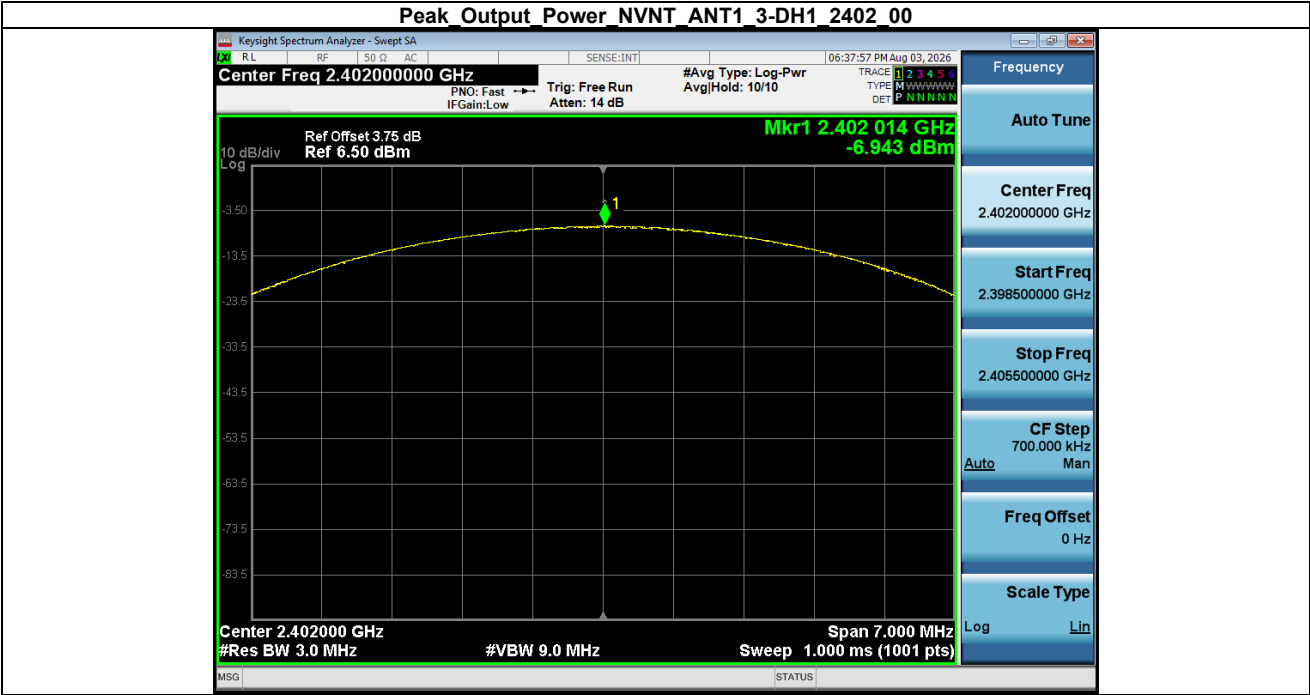


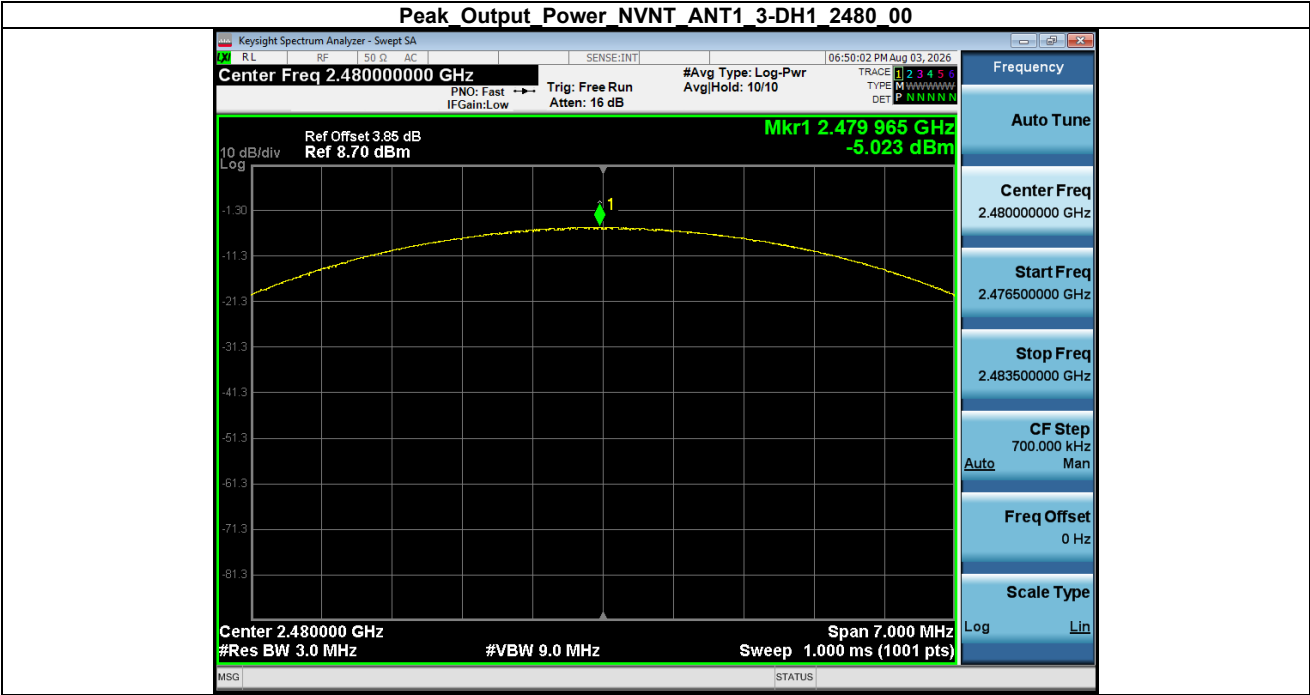
Peak Output Power NVNT_ANT1_1-DH1_2441_00







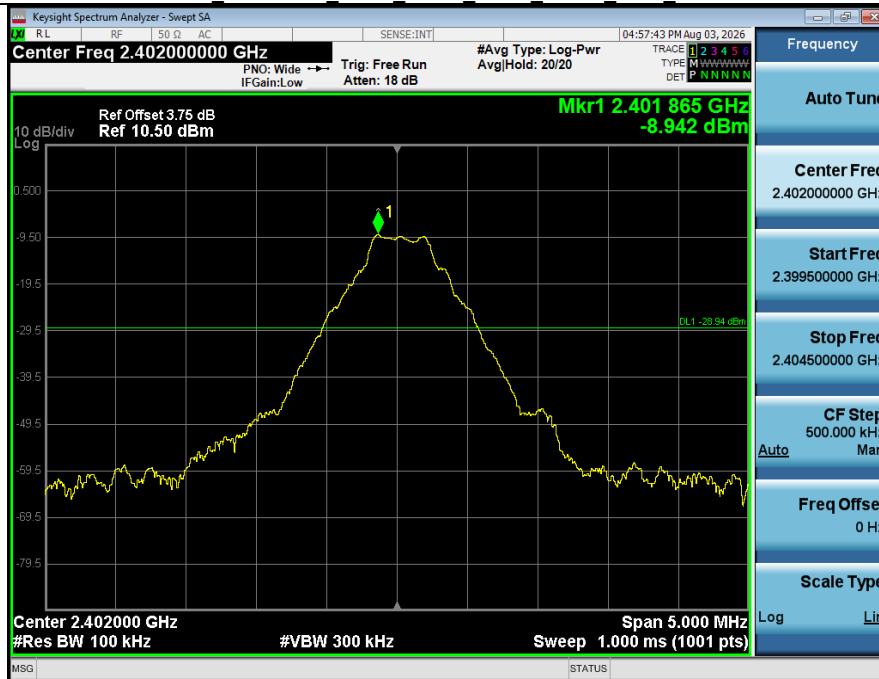




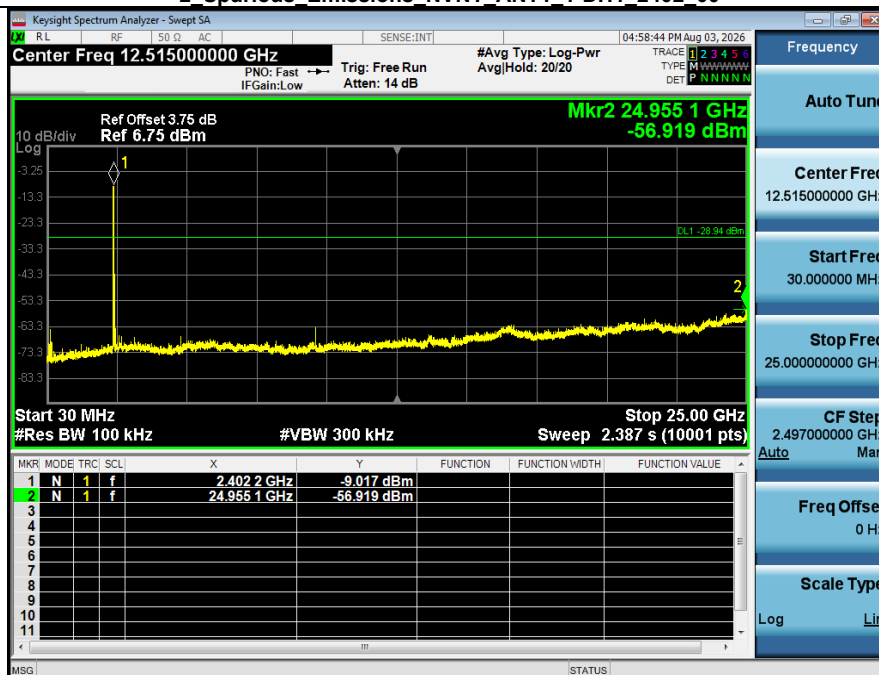
5. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-8.942	-56.919	-28.942	Pass
NVNT	ANT1	1-DH1	2441.00	-7.723	-61.995	-27.723	Pass
NVNT	ANT1	1-DH1	2480.00	-6.789	-56.191	-26.789	Pass
NVNT	ANT1	2-DH1	2402.00	-8.737	-57.284	-28.737	Pass
NVNT	ANT1	2-DH1	2441.00	-7.823	-60.830	-27.823	Pass
NVNT	ANT1	2-DH1	2480.00	-6.813	-52.206	-26.813	Pass
NVNT	ANT1	3-DH1	2402.00	-8.676	-56.939	-28.676	Pass
NVNT	ANT1	3-DH1	2441.00	-7.793	-46.003	-27.793	Pass
NVNT	ANT1	3-DH1	2480.00	-6.796	-47.101	-26.796	Pass

1 Reference Level NVNT ANT1 1-DH1 2402.00



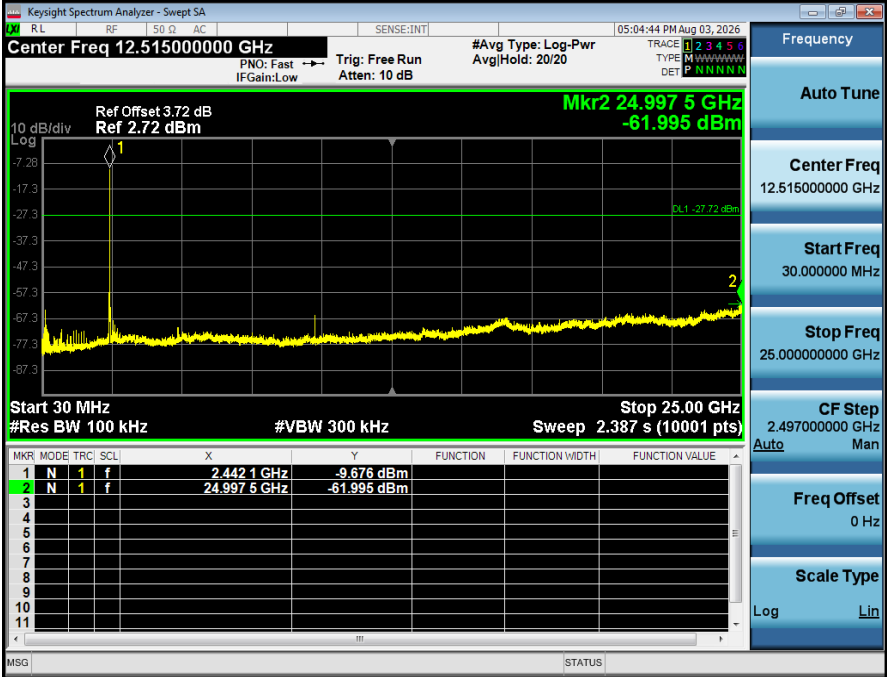
2 Spurious Emissions NVNT ANT1 1-DH1 2402.00



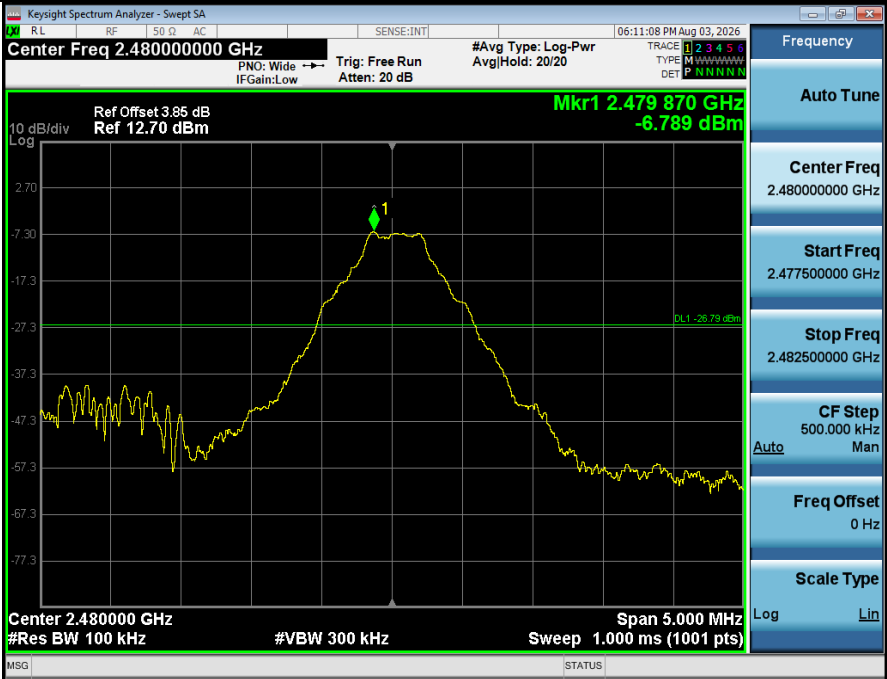
1 Reference Level NVNT ANT1_1-DH1_2441_00



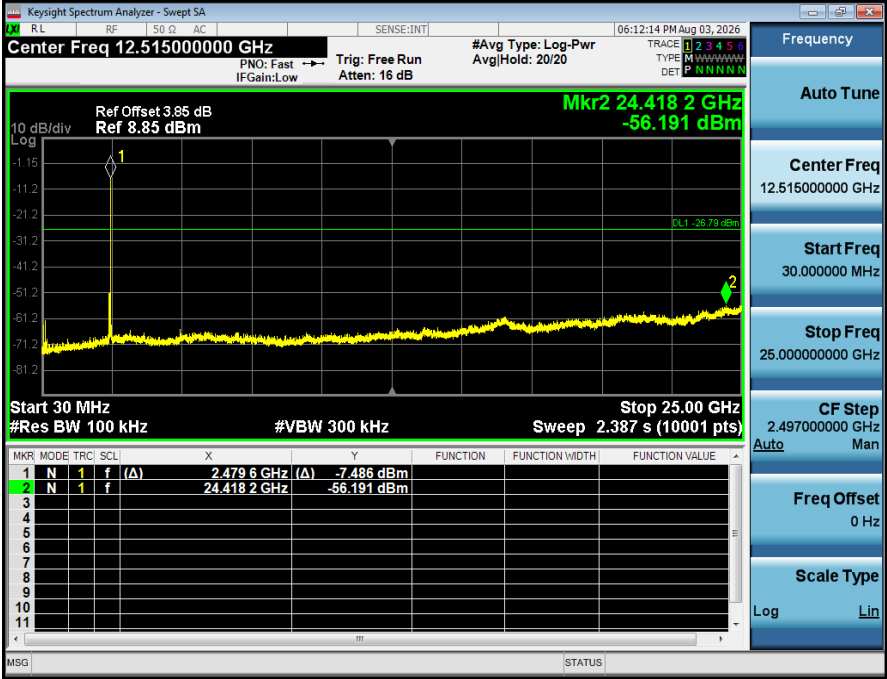
2 Spurious Emissions NVNT ANT1_1-DH1_2441_00



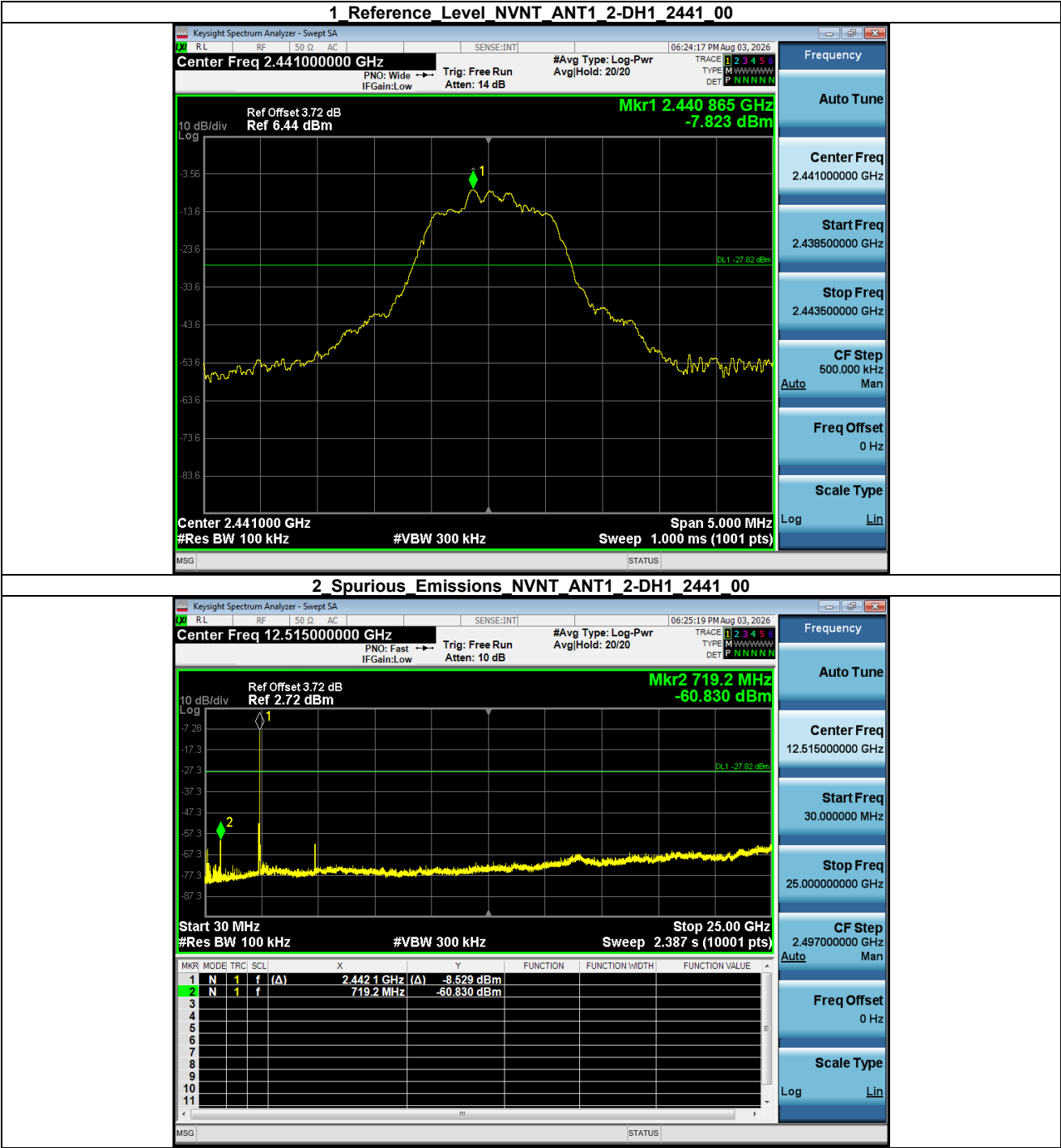
1 Reference Level NVNT ANT1 1-DH1 2480 00



2 Spurious Emissions NVNT ANT1 1-DH1 2480 00



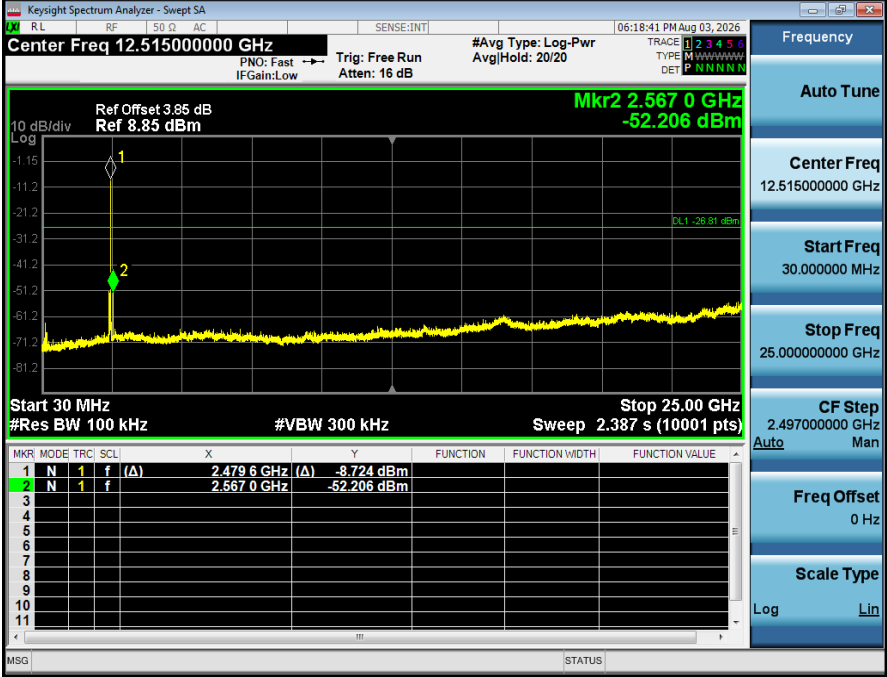


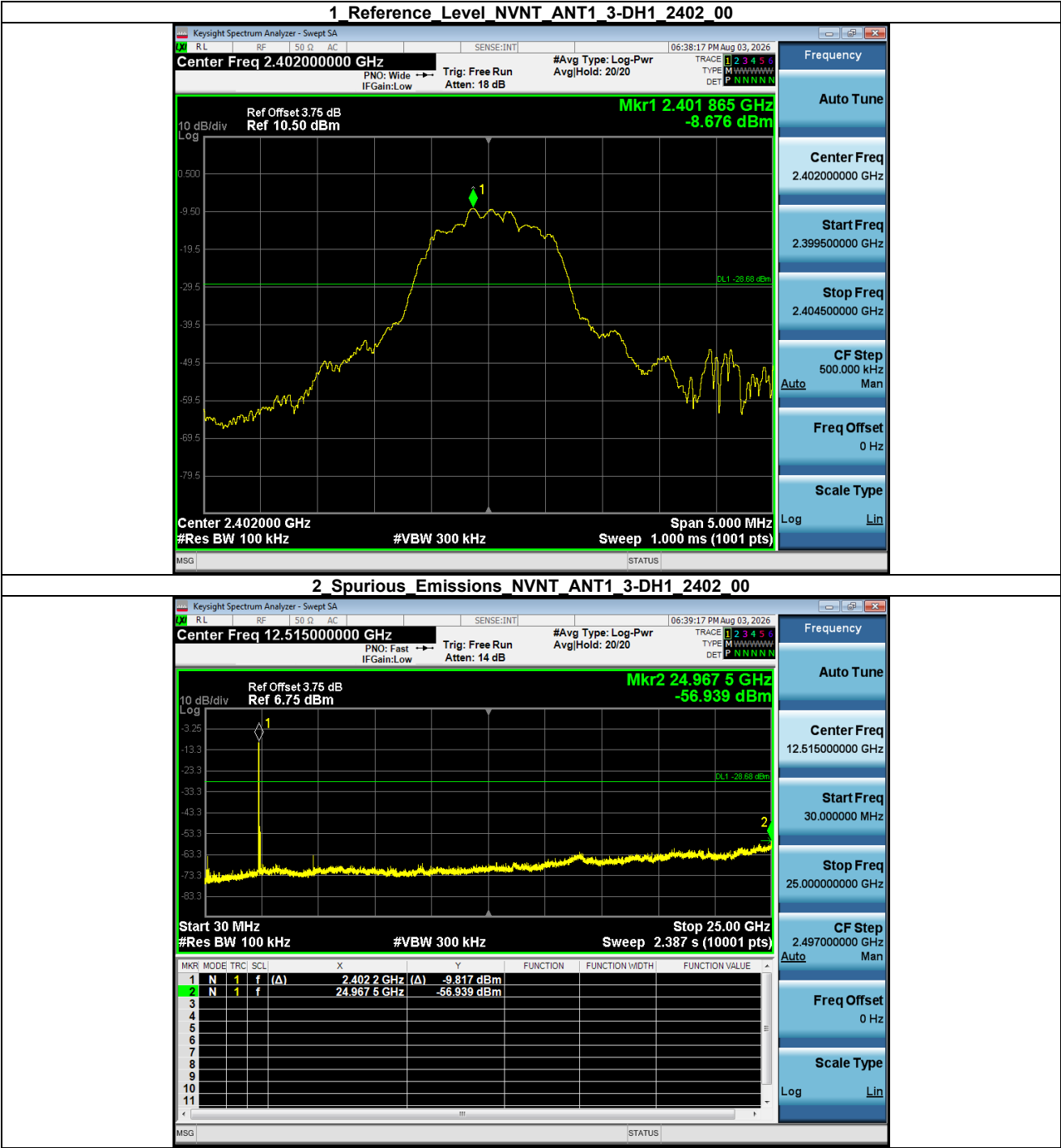


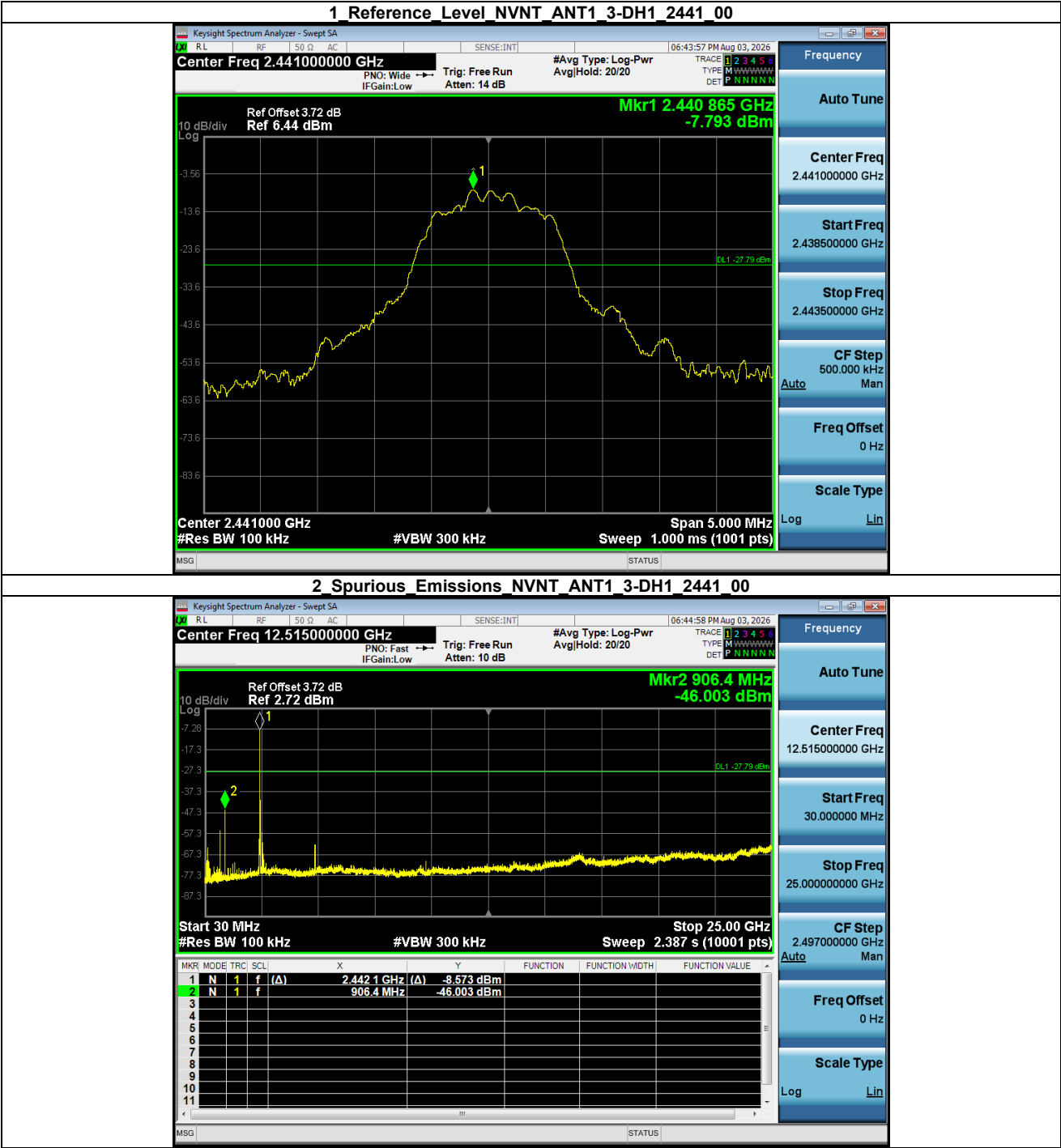
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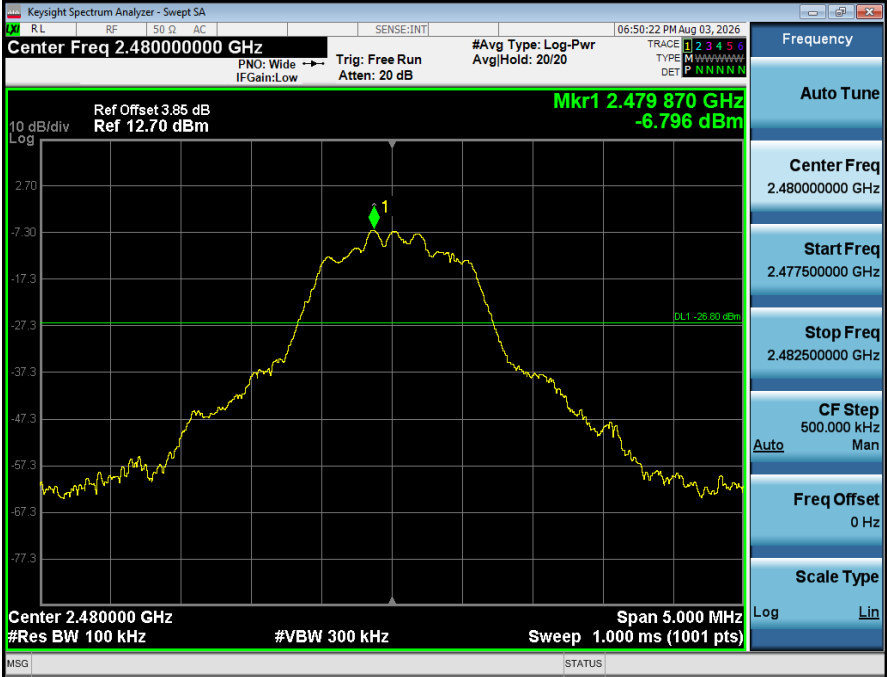
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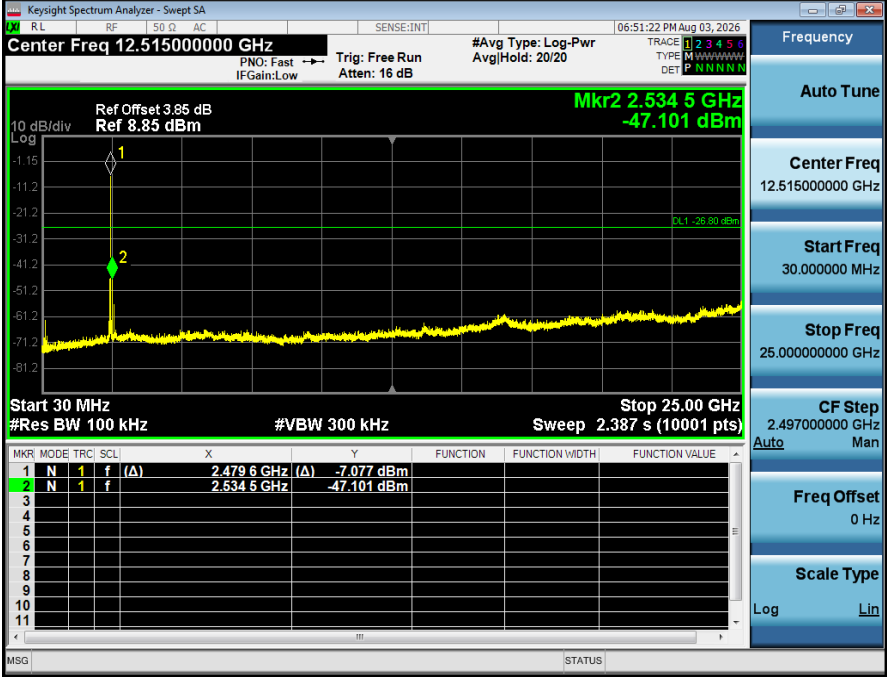




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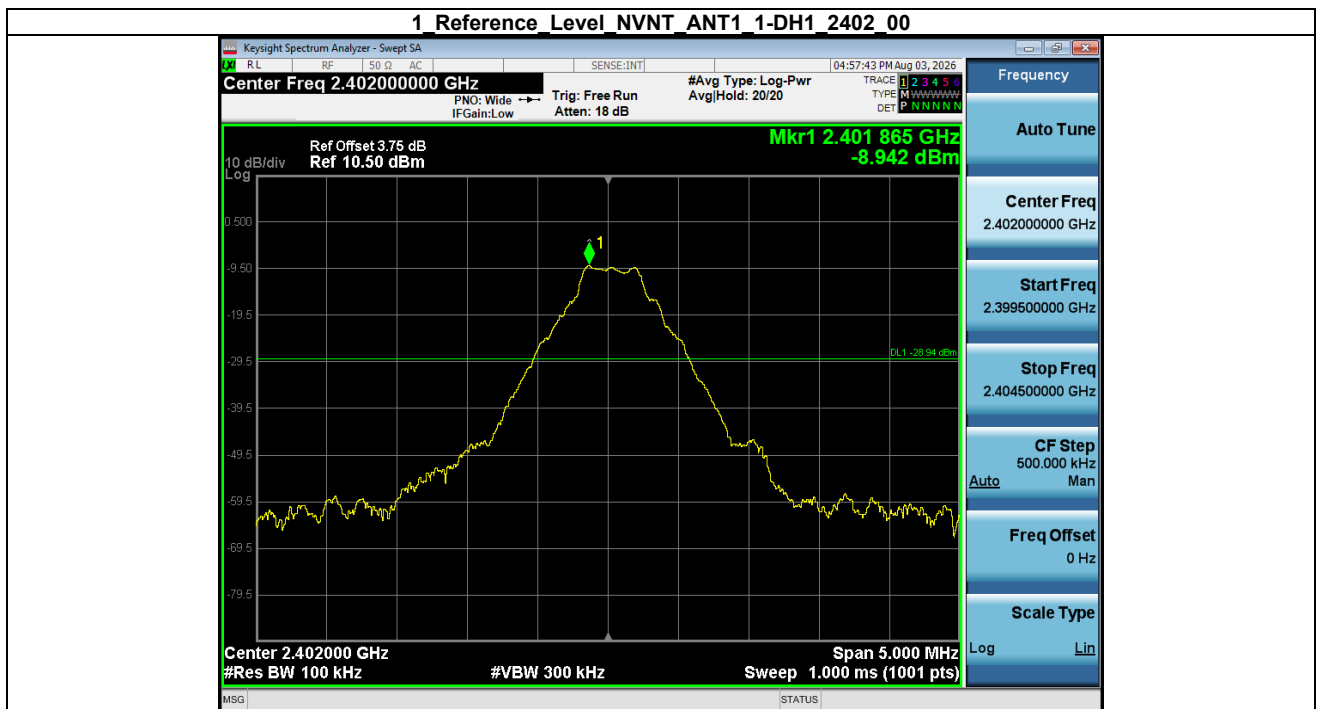


2 Spurious Emissions NVNT ANT1 3-DH1 2480 00

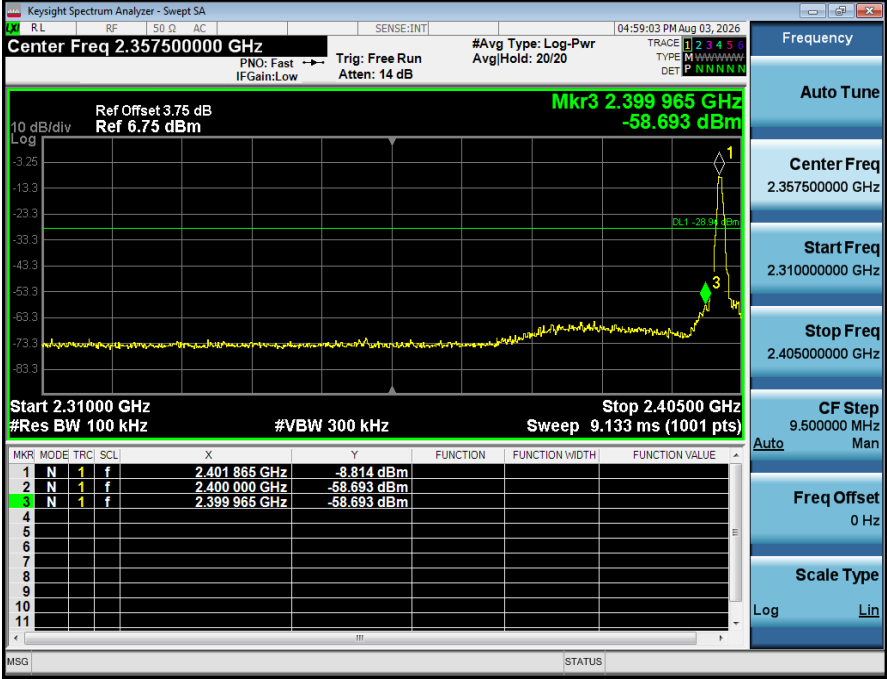


6. Bandedge

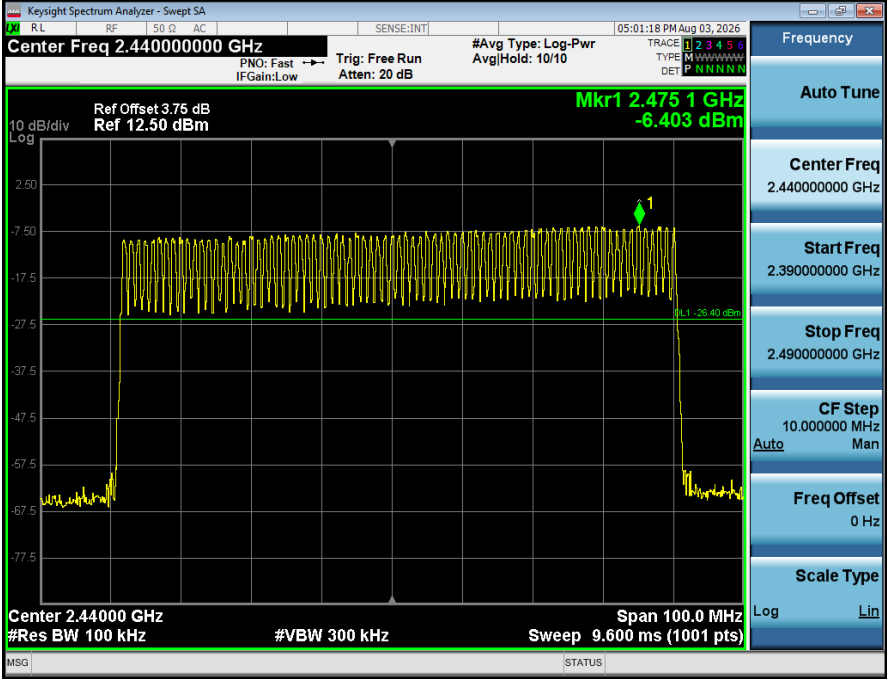
Condition	Antenna	Modulation	TX Mode	Ref_level(dBm)	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH1	2402.00	-8.942	-58.693	-28.942	Pass
NVNT	ANT1	1-DH1	Hopping_LCH	-6.403	-62.664	-26.403	Pass
NVNT	ANT1	1-DH1	2480.00	-6.789	-62.196	-26.789	Pass
NVNT	ANT1	1-DH1	Hopping_HCH	-6.755	-62.664	-26.755	Pass
NVNT	ANT1	2-DH1	2402.00	-8.737	-60.527	-28.737	Pass
NVNT	ANT1	2-DH1	Hopping_LCH	-6.880	-65.084	-26.880	Pass
NVNT	ANT1	2-DH1	2480.00	-6.813	-62.480	-26.813	Pass
NVNT	ANT1	2-DH1	Hopping_HCH	-6.753	-61.715	-26.753	Pass
NVNT	ANT1	3-DH1	2402.00	-8.676	-60.641	-28.676	Pass
NVNT	ANT1	3-DH1	Hopping_LCH	-6.917	-63.543	-26.917	Pass
NVNT	ANT1	3-DH1	2480.00	-6.796	-61.907	-26.796	Pass
NVNT	ANT1	3-DH1	Hopping_HCH	-6.851	-60.945	-26.851	Pass



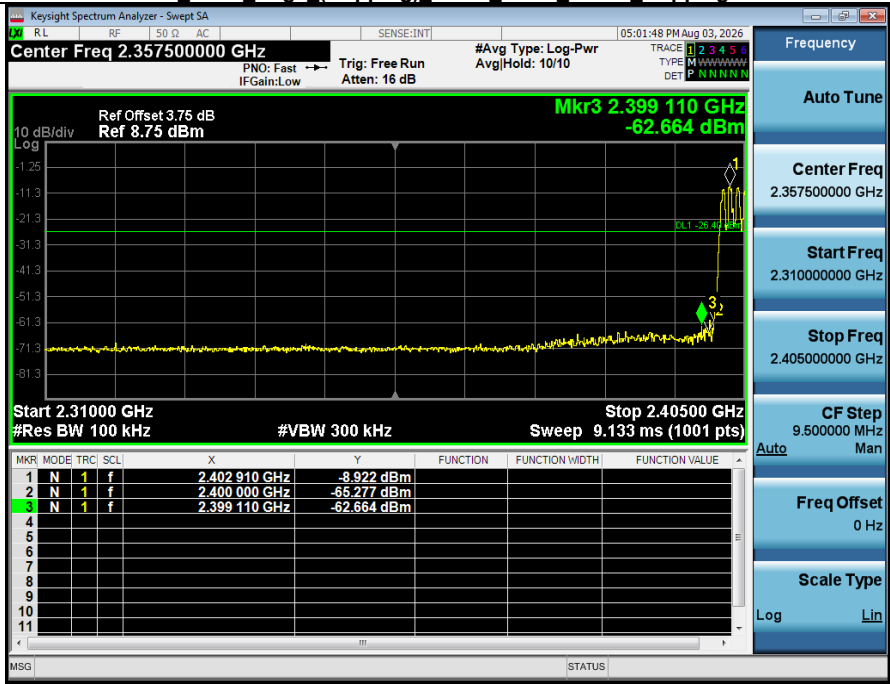
2 Bandedge NVNT ANT1 1-DH1 2402 00



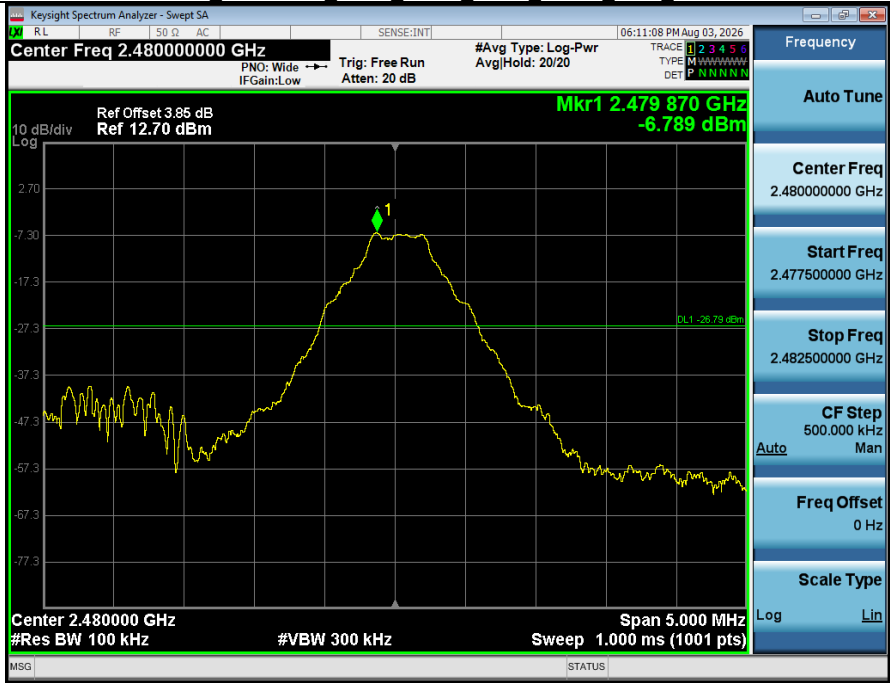
1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



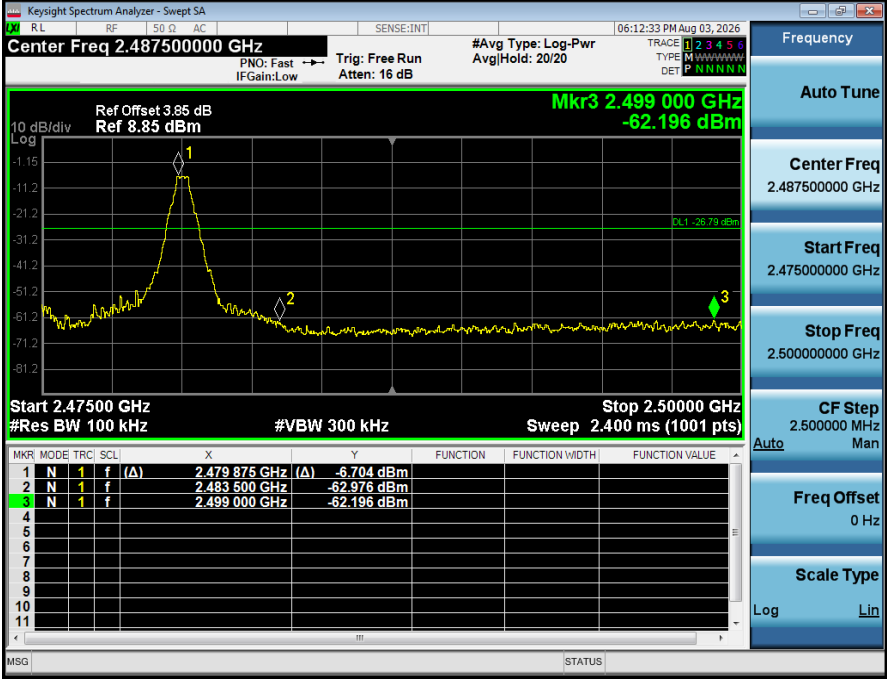
2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping



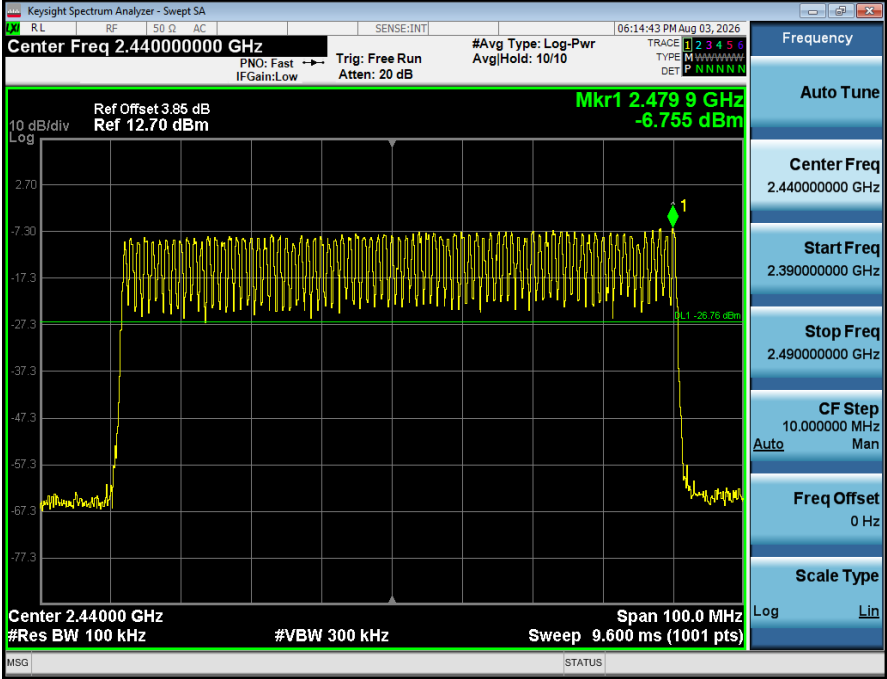
1 Reference Level NVNT ANT1 1-DH1 2480 00



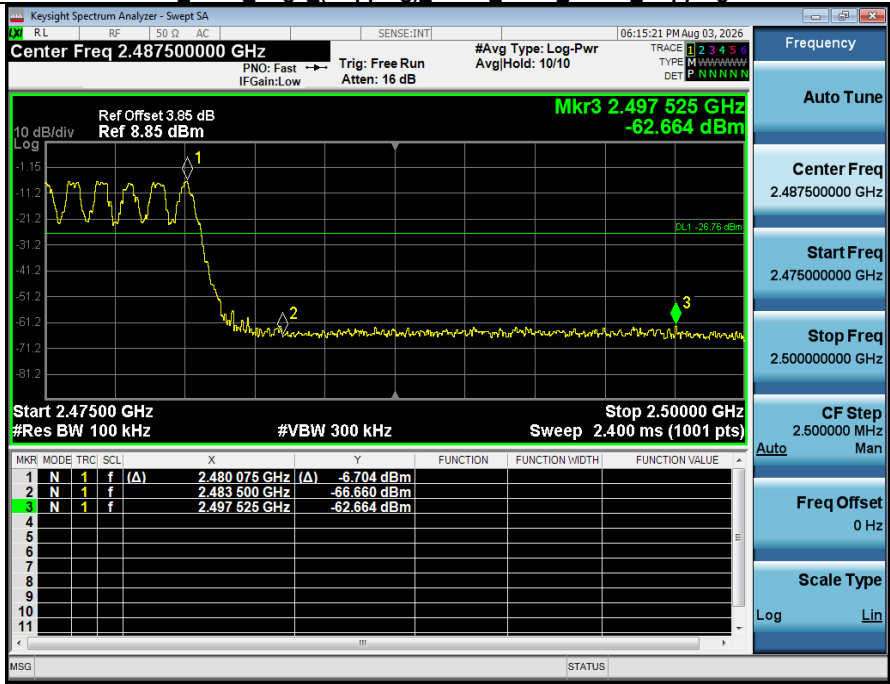
2 Bandedge NVNT ANT1 1-DH1 2480_00



1 Reference Level Hopping NVNT ANT1 1-DH1 Hopping



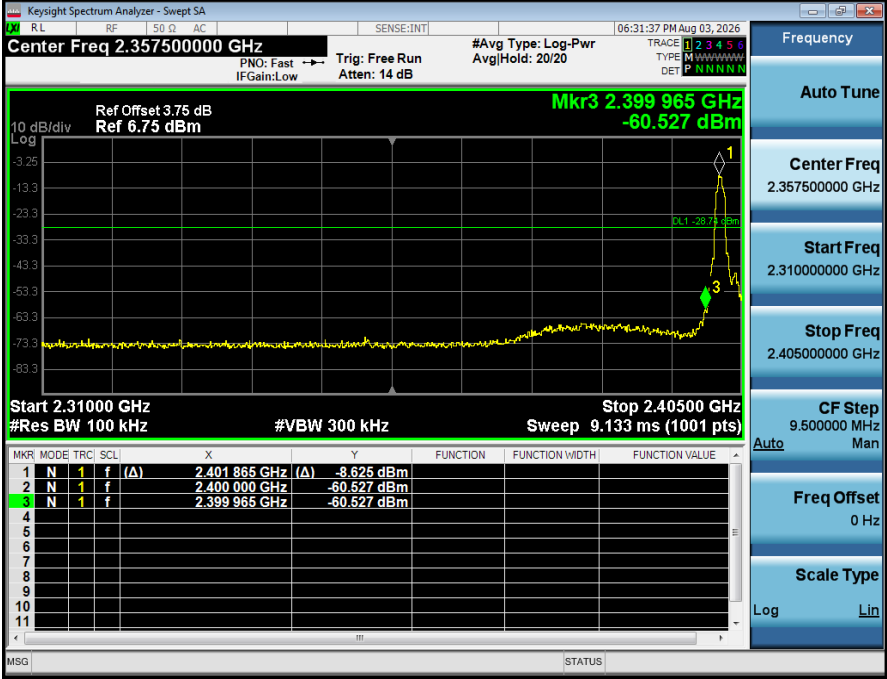
2 Band Edge (Hopping) NVNT ANT1 1-DH1 Hopping



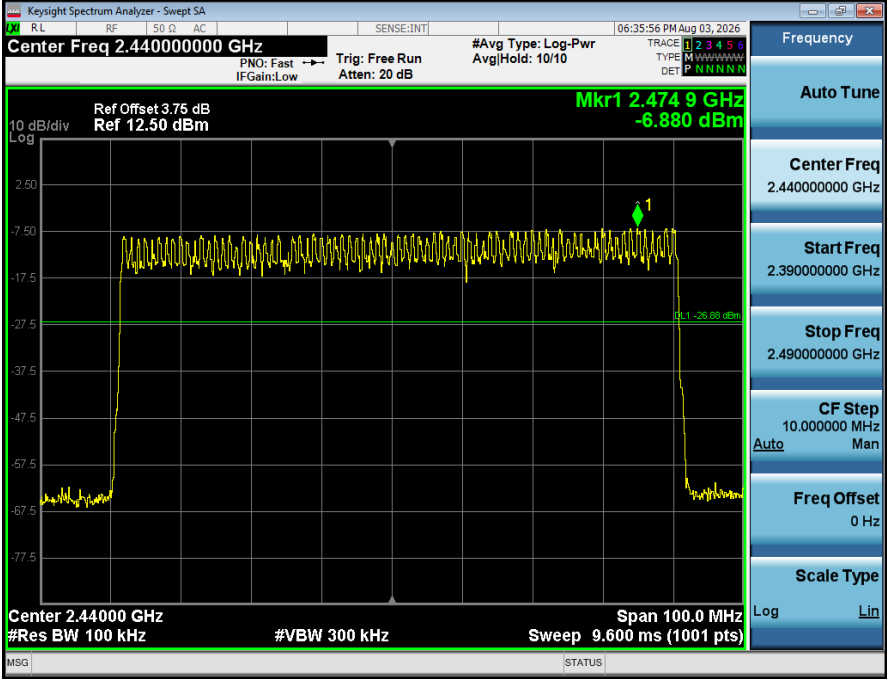
1 Reference Level NVNT ANT1 2-DH1 2402 00



2 Bandedge NVNT ANT1 2-DH1 2402 00



1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping



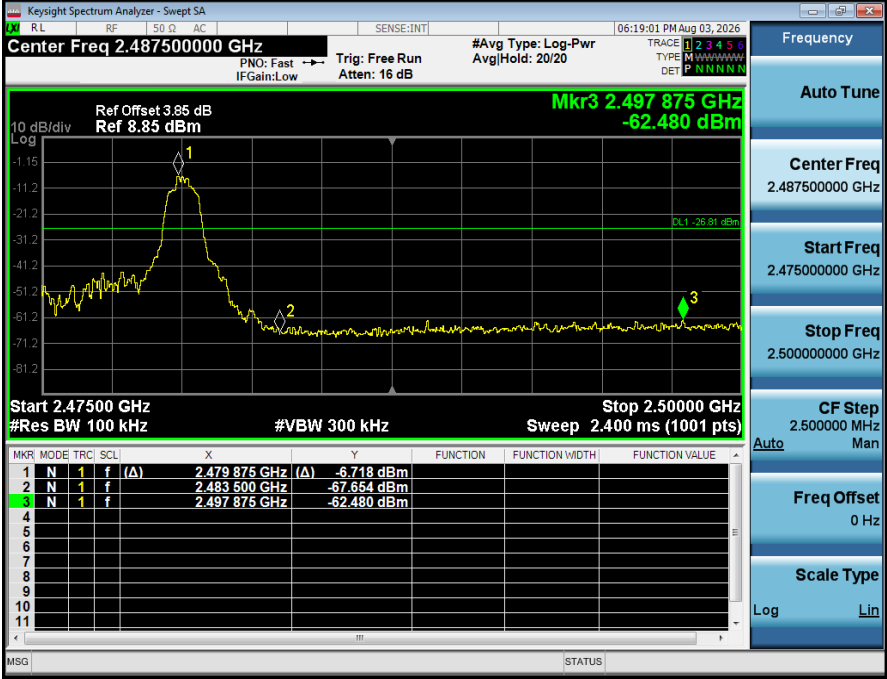
2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



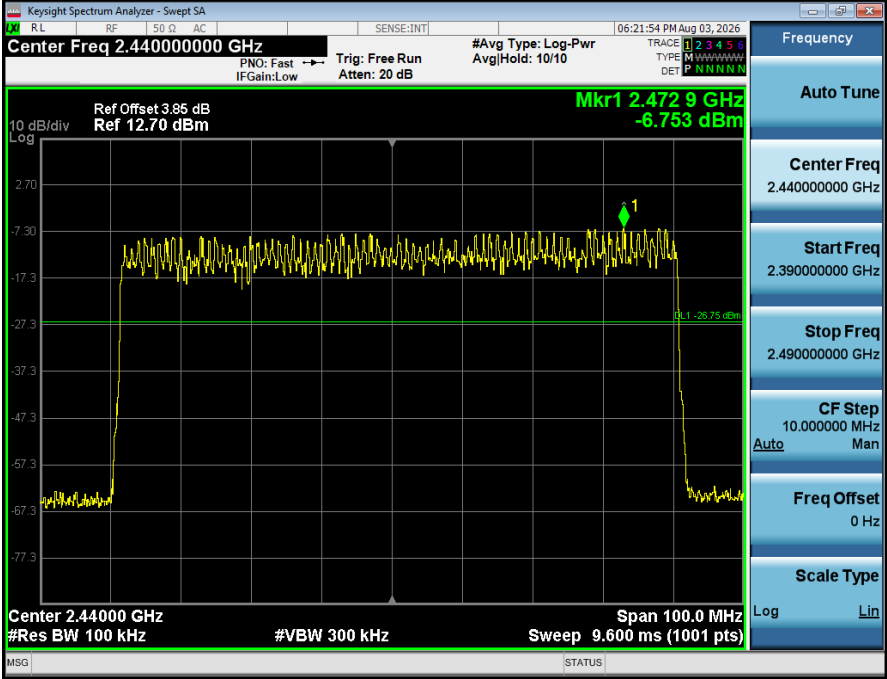
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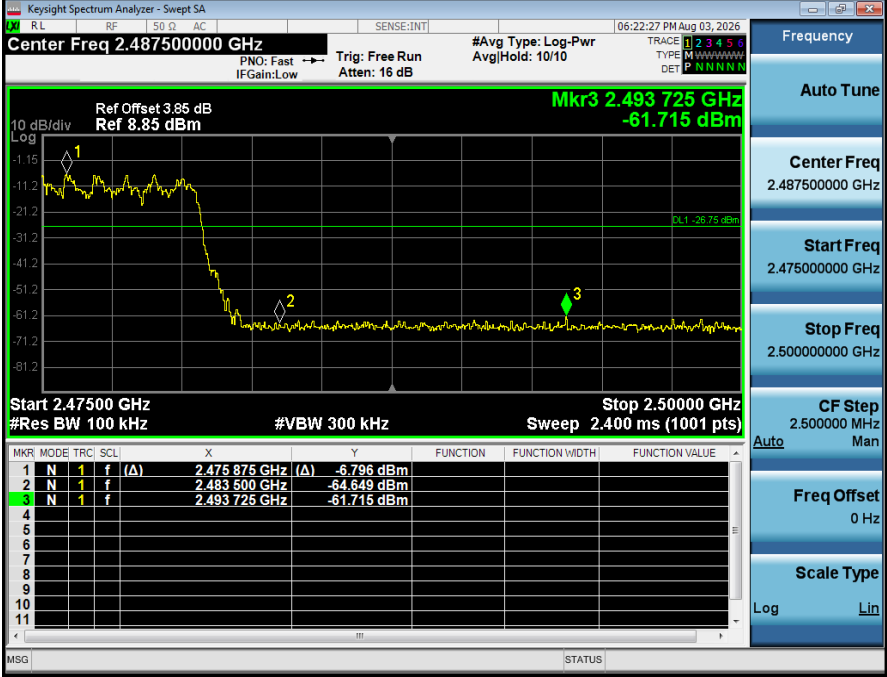
2 Bandedge NVNT ANT1 2-DH1 2480_00



1 Reference Level Hopping NVNT ANT1 2-DH1 Hopping



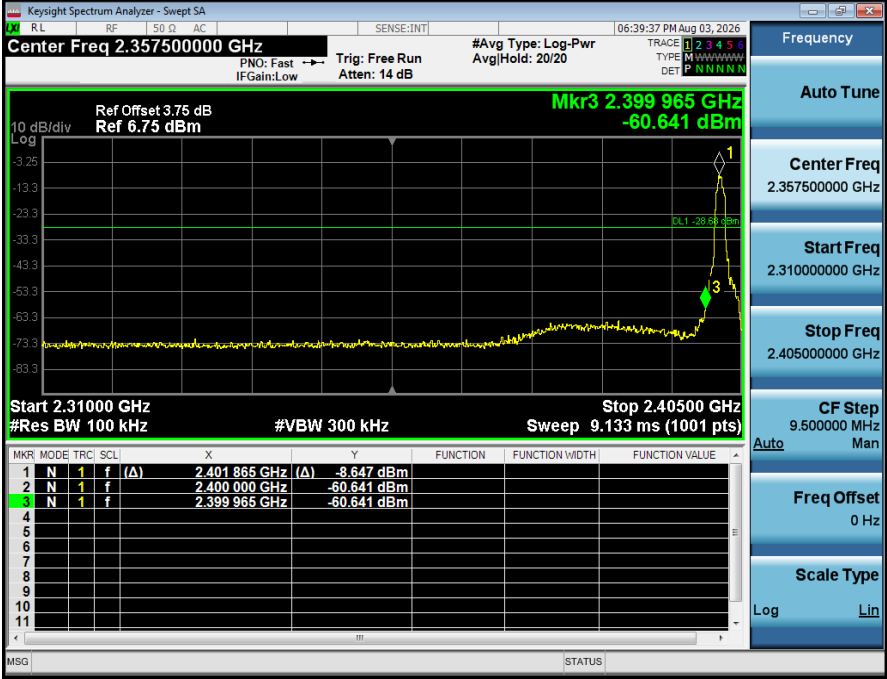
2 Band Edge (Hopping) NVNT ANT1 2-DH1 Hopping



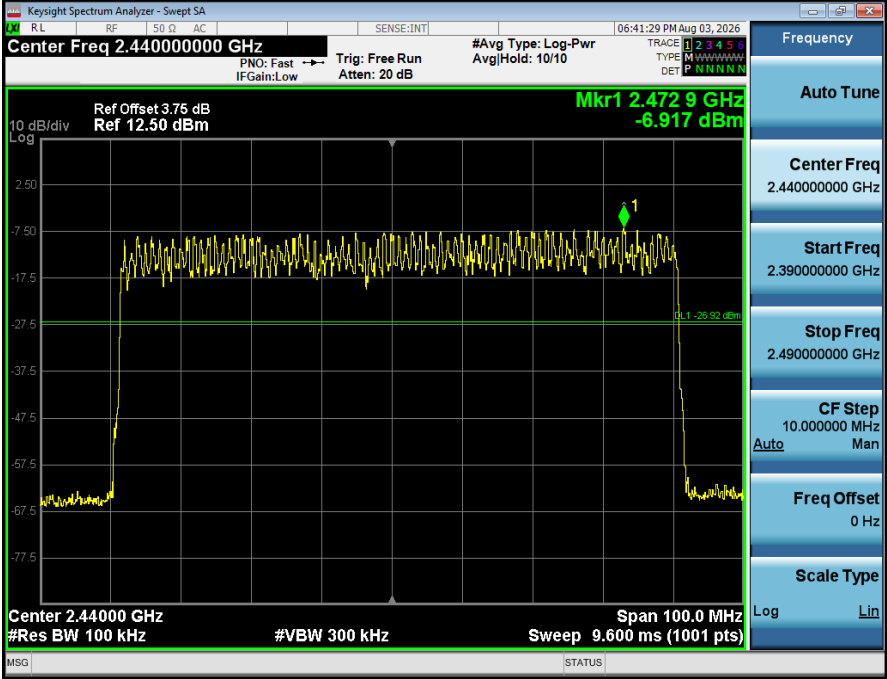
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2 Bandedge NVNT ANT1 3-DH1 2402 00



1 Reference Level Hopping NVNT ANT1 3-DH1 Hopping



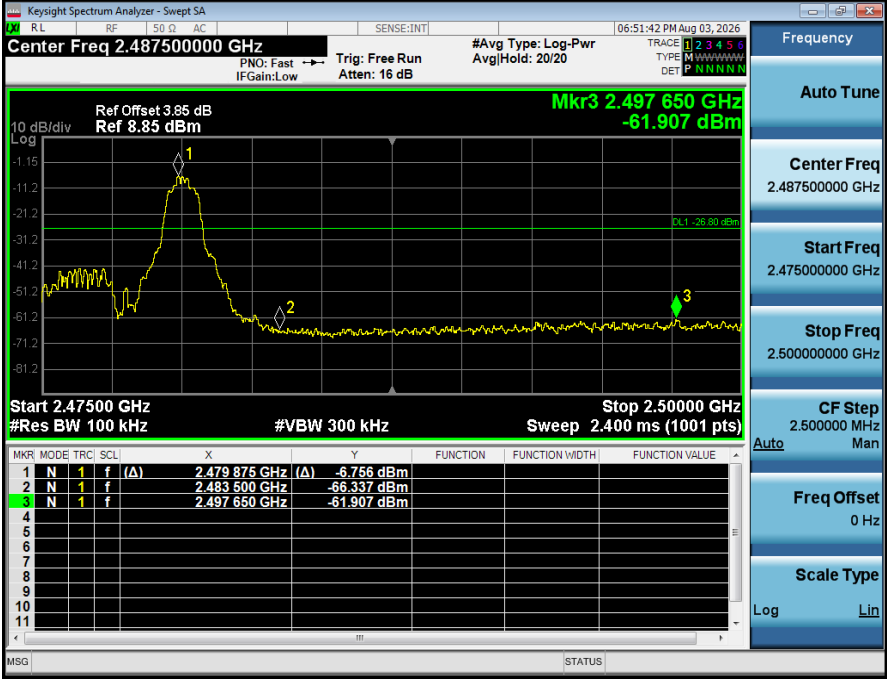
2 Band Edge (Hopping) NVNT ANT1 3-DH1 Hopping



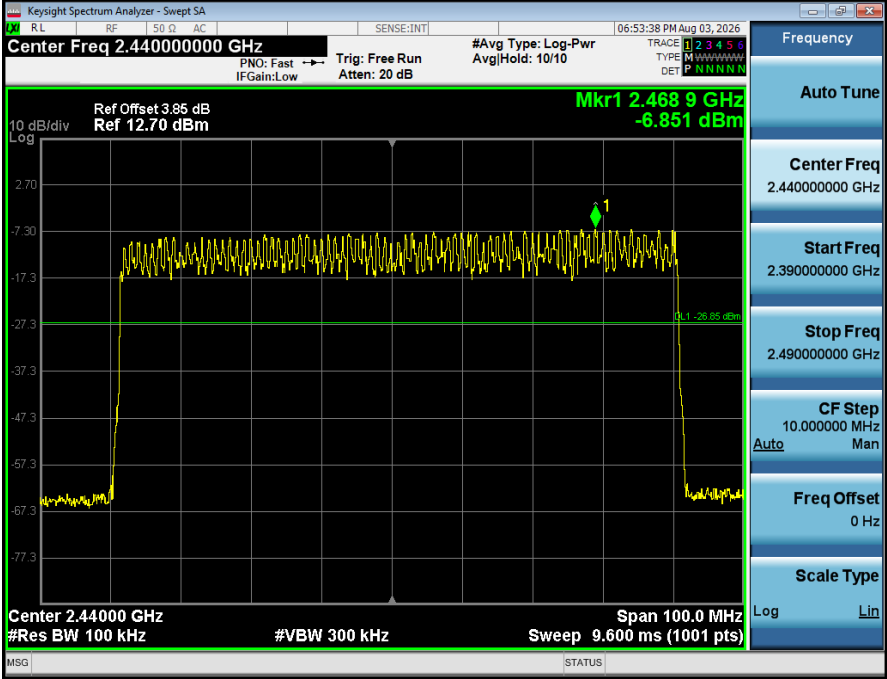
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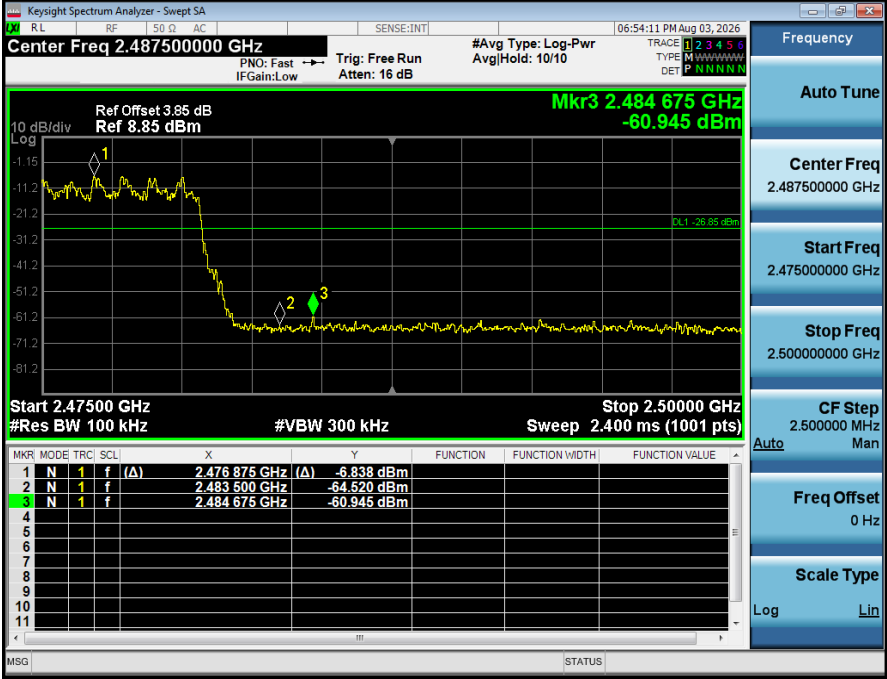
2 Bandedge NVNT ANT1 3-DH1 2480_00



1 Reference Level Hopping NVNT ANT1 3-DH1 Hopping

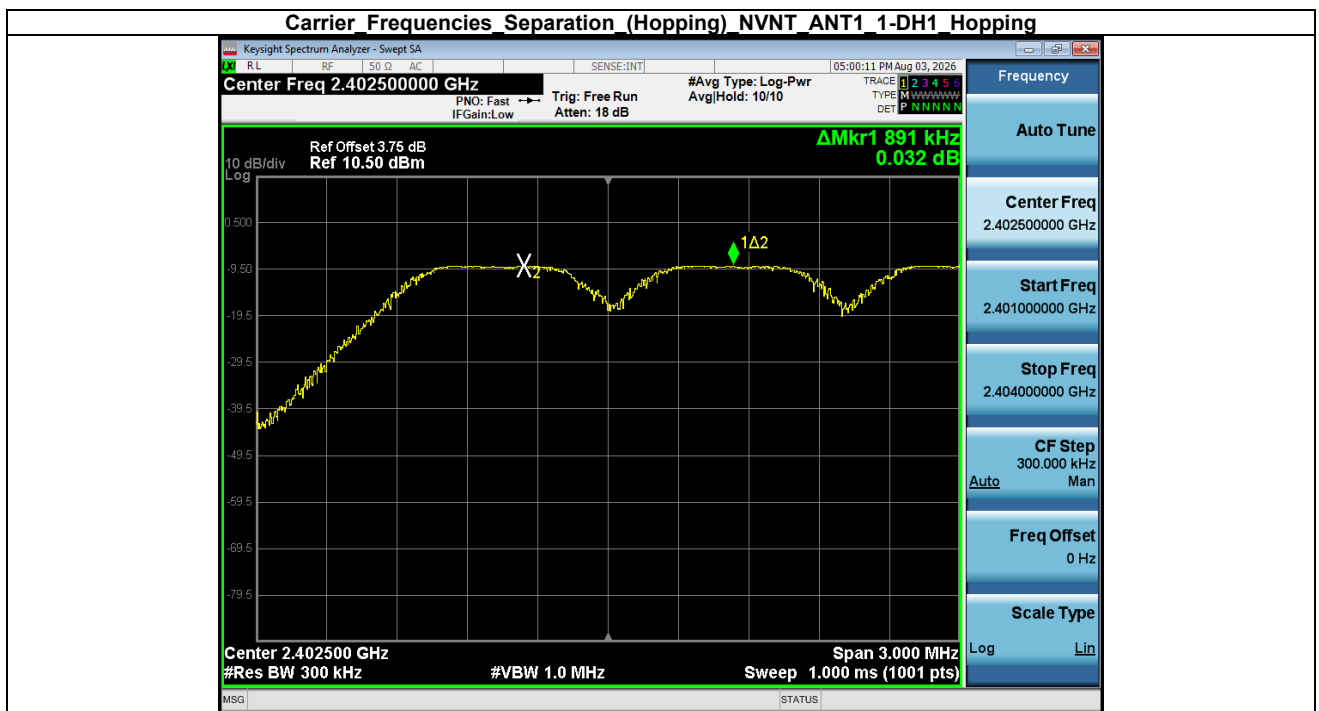


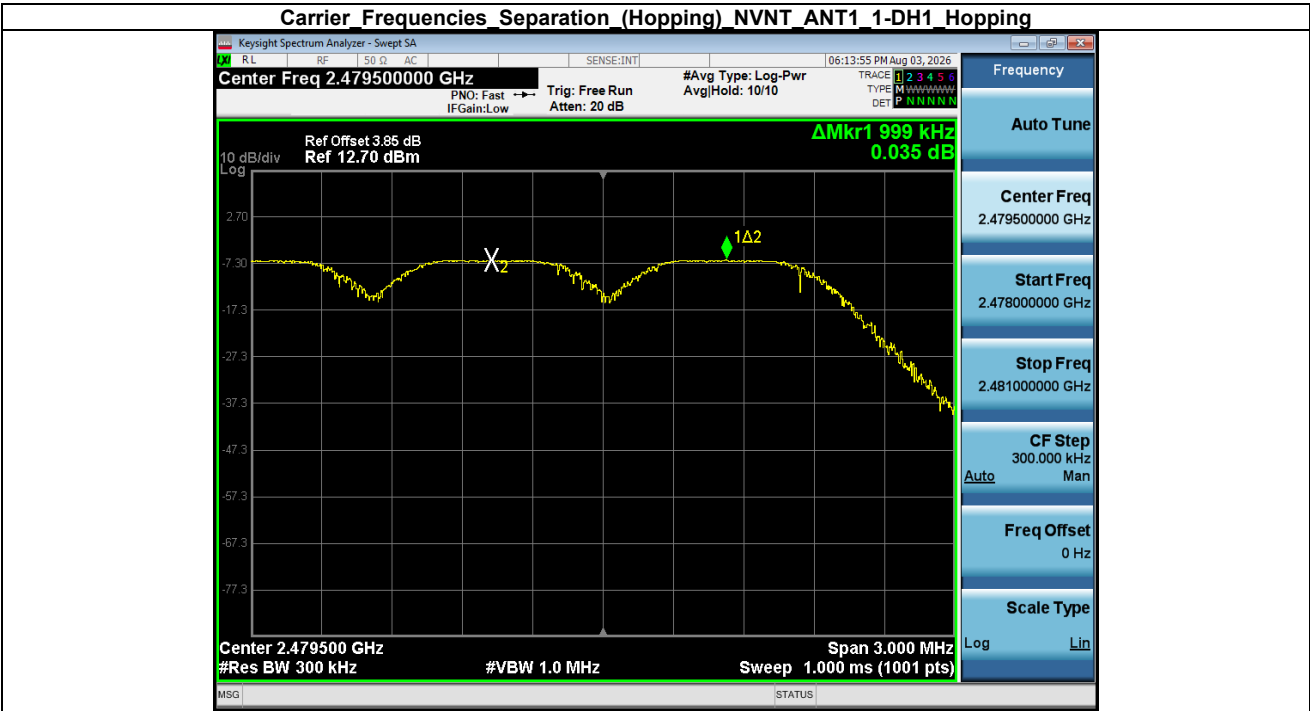
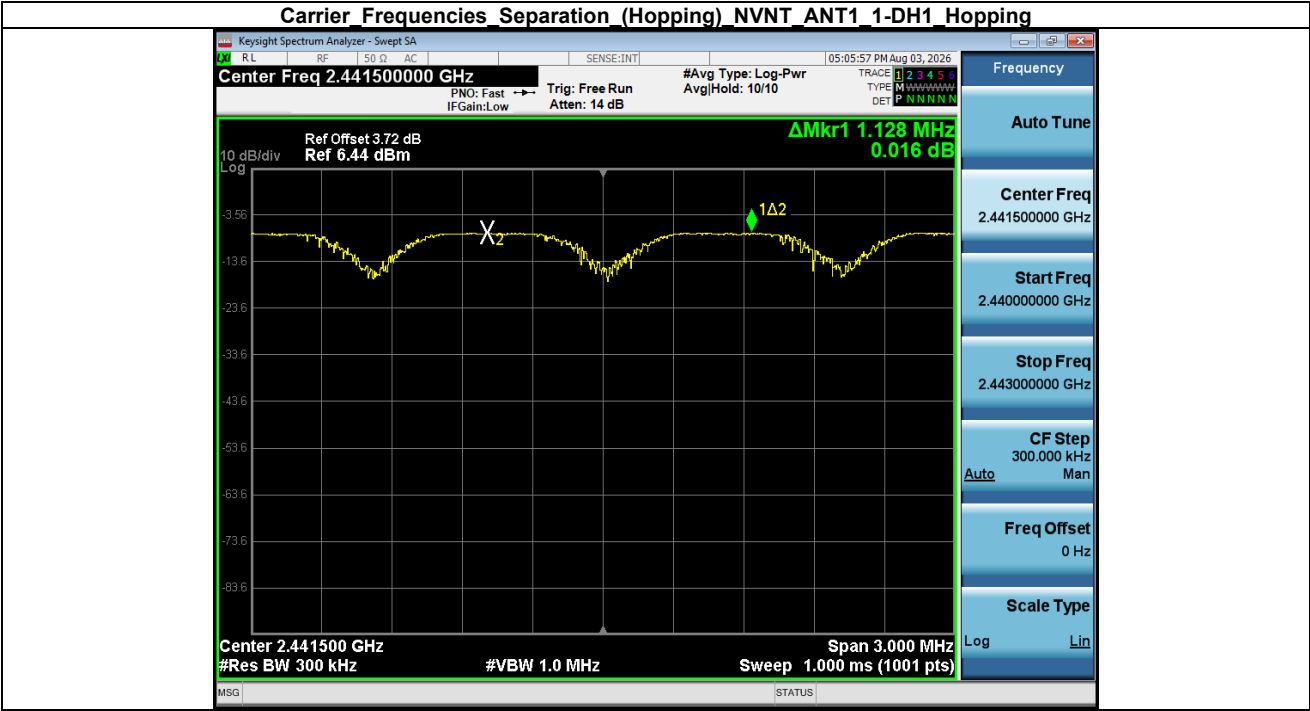
2 Band Edge (Hopping) NVNT ANT1 3-DH1 Hopping

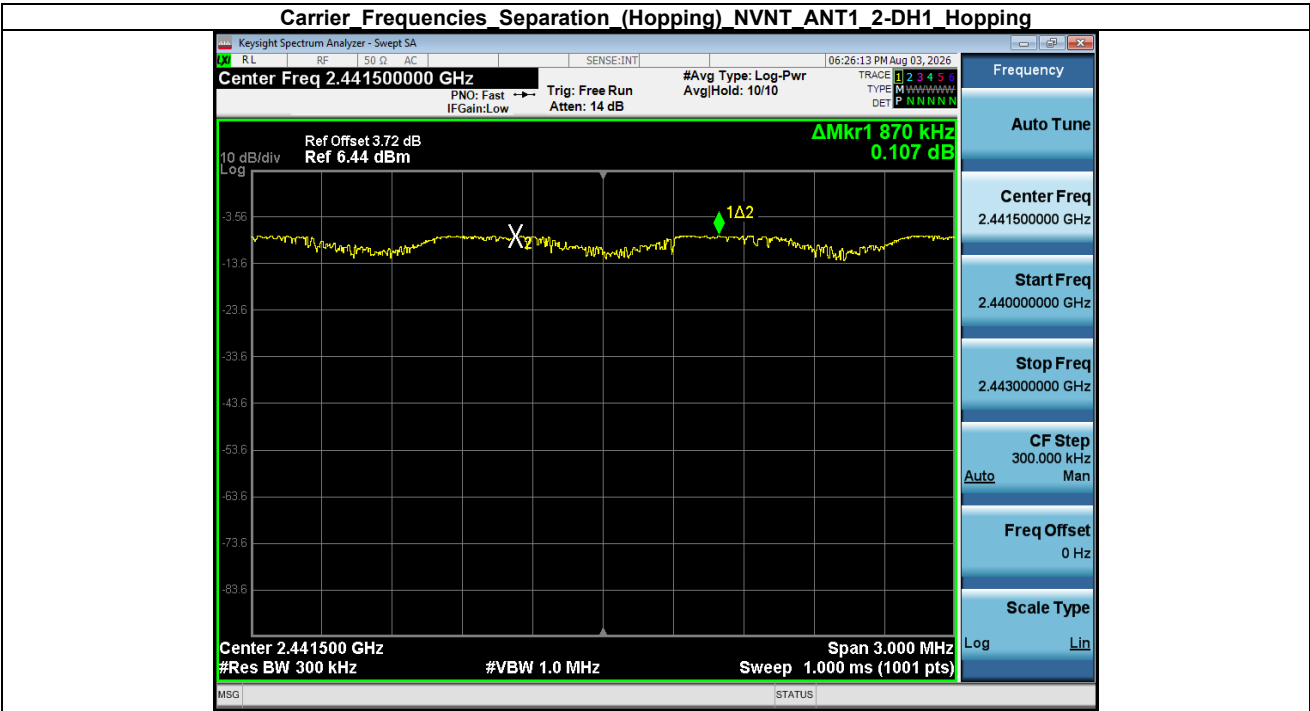
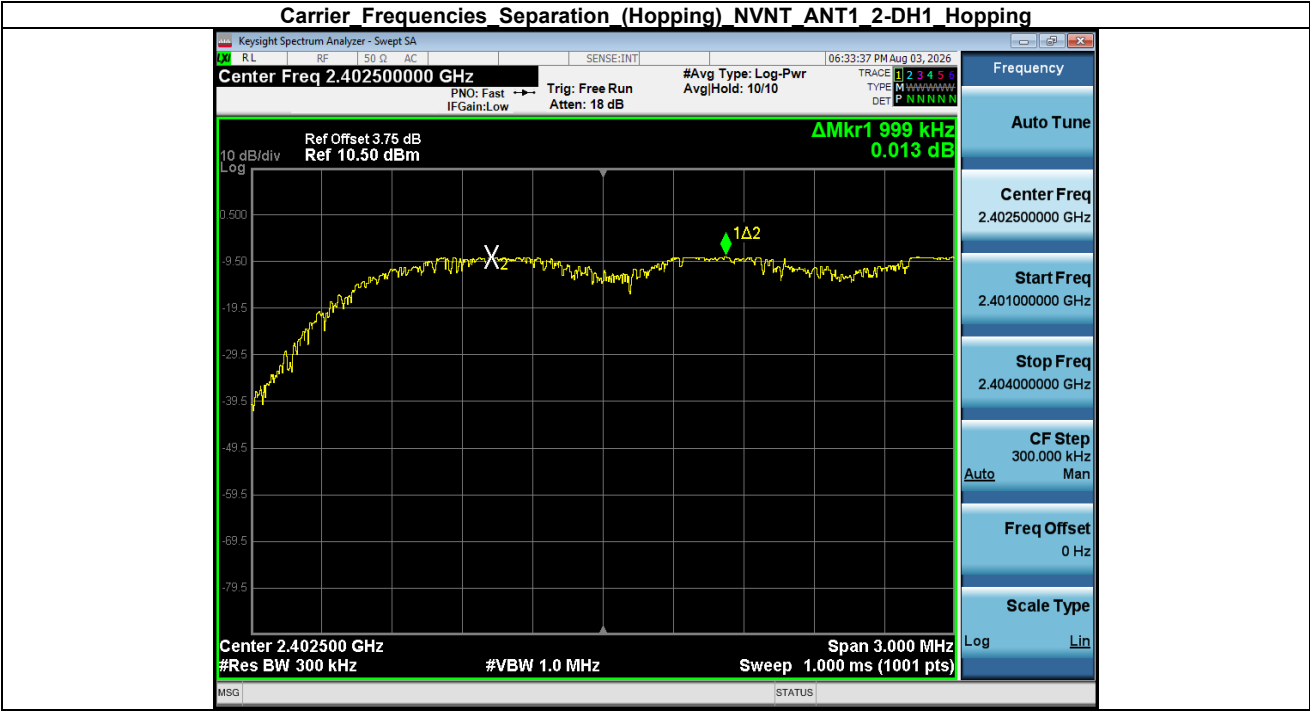


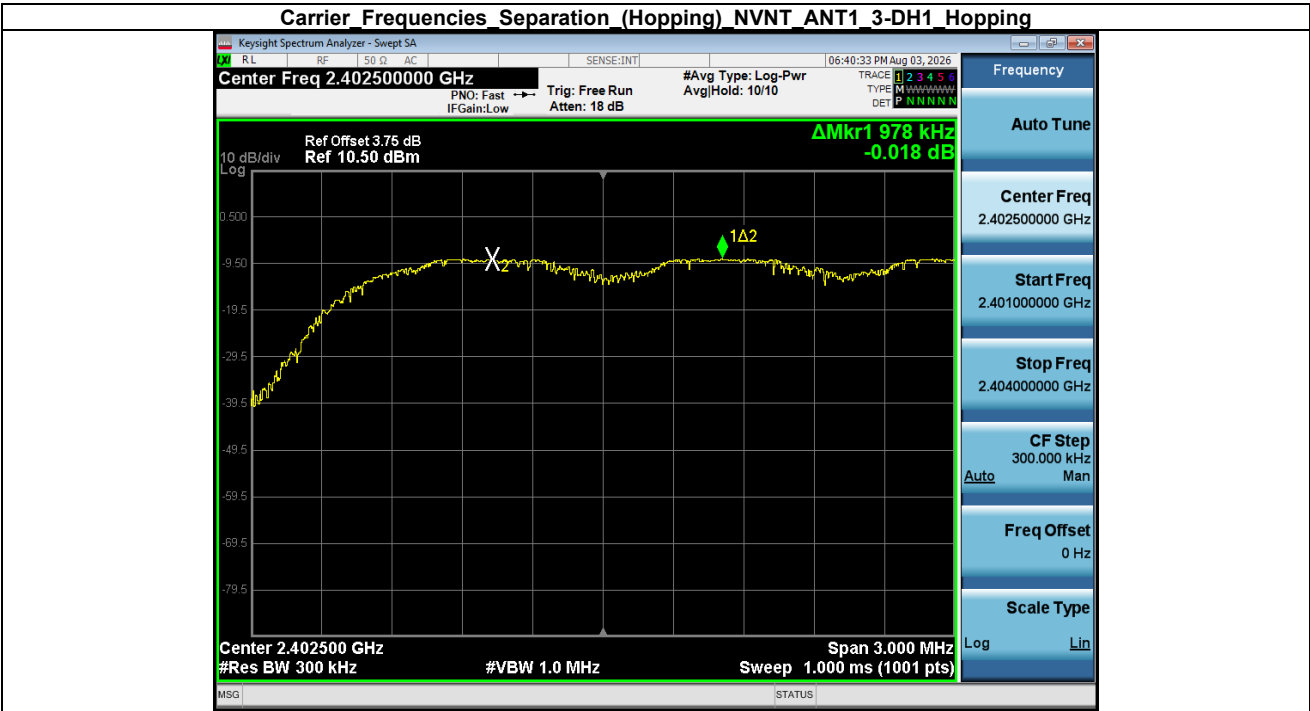
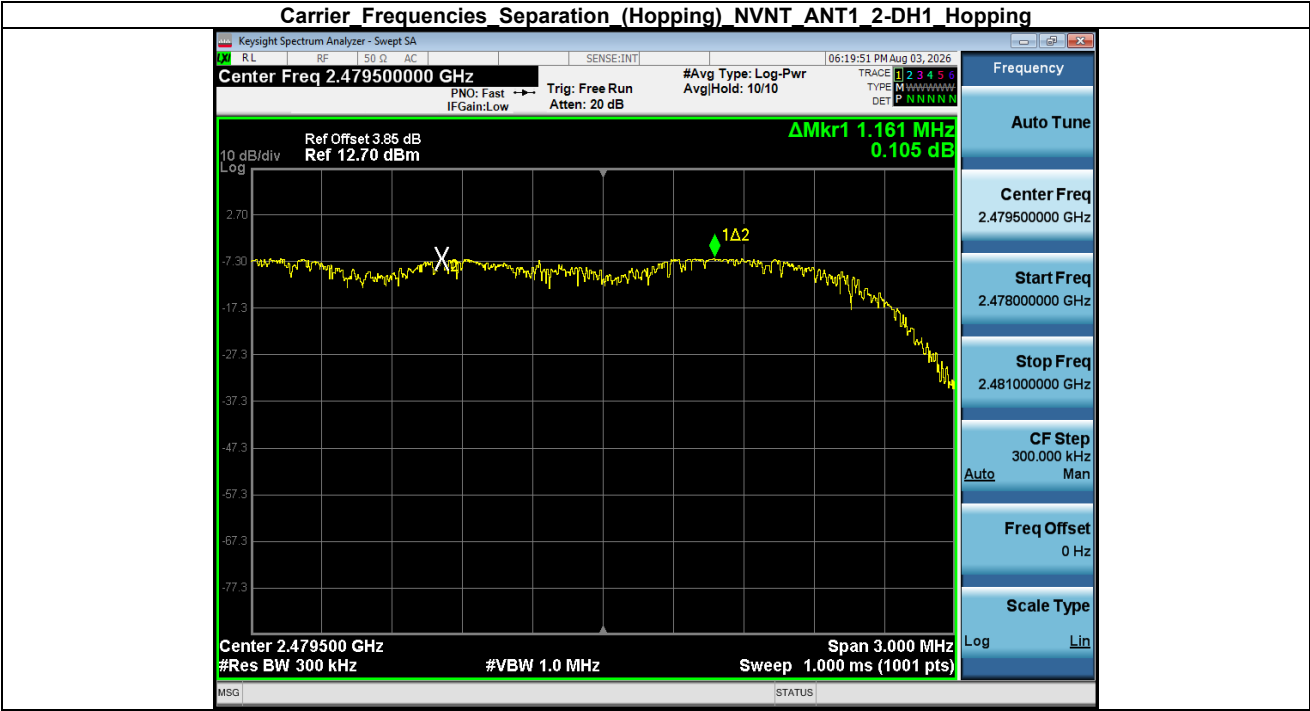
7. Carrier Frequencies Separation (Hopping)

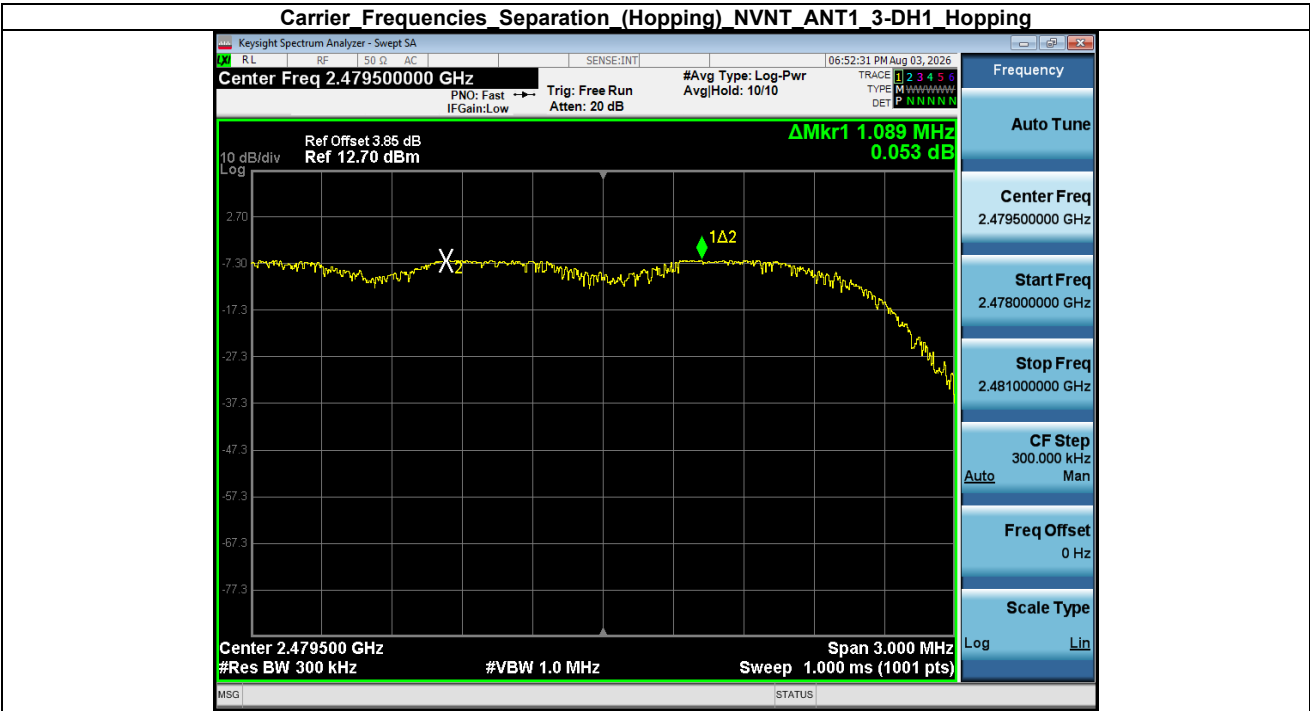
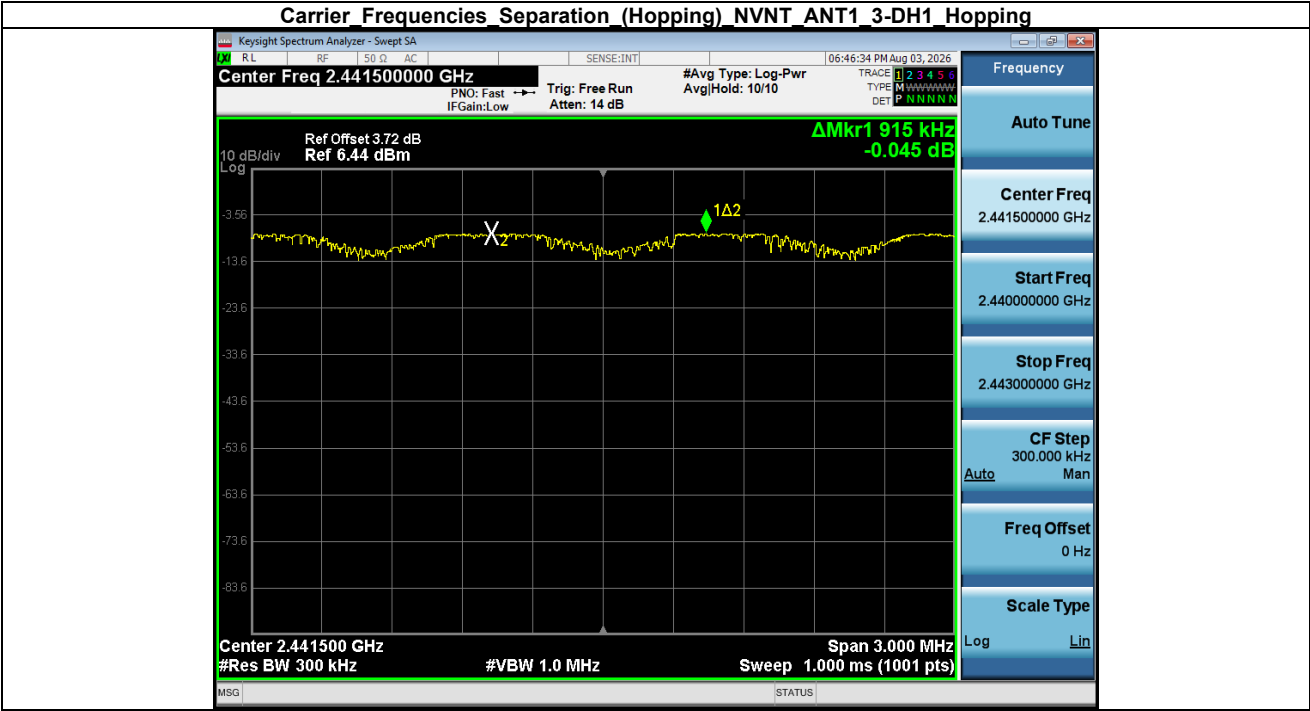
Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH1	2402.00	2402.143	2403.034	0.89	0.684	Pass
NVNT	ANT1	1-DH1	2441.00	2441.005	2442.133	1.13	0.690	Pass
NVNT	ANT1	1-DH1	2480.00	2479.026	2480.025	1.00	0.691	Pass
NVNT	ANT1	2-DH1	2402.00	2402.023	2403.022	1.00	0.864	Pass
NVNT	ANT1	2-DH1	2441.00	2441.125	2441.995	0.87	0.860	Pass
NVNT	ANT1	2-DH1	2480.00	2478.813	2479.974	1.16	0.857	Pass
NVNT	ANT1	3-DH1	2402.00	2402.029	2403.007	0.98	0.839	Pass
NVNT	ANT1	3-DH1	2441.00	2441.023	2441.938	0.92	0.835	Pass
NVNT	ANT1	3-DH1	2480.00	2478.831	2479.920	1.09	0.845	Pass





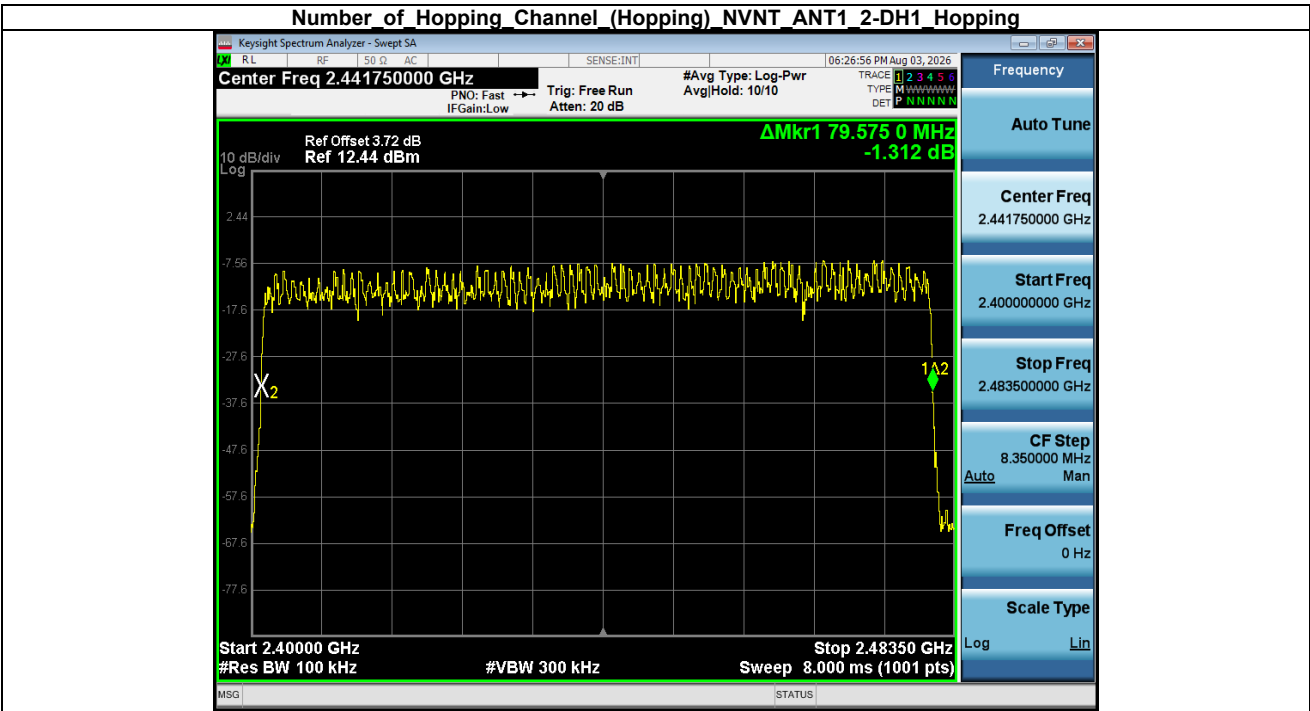
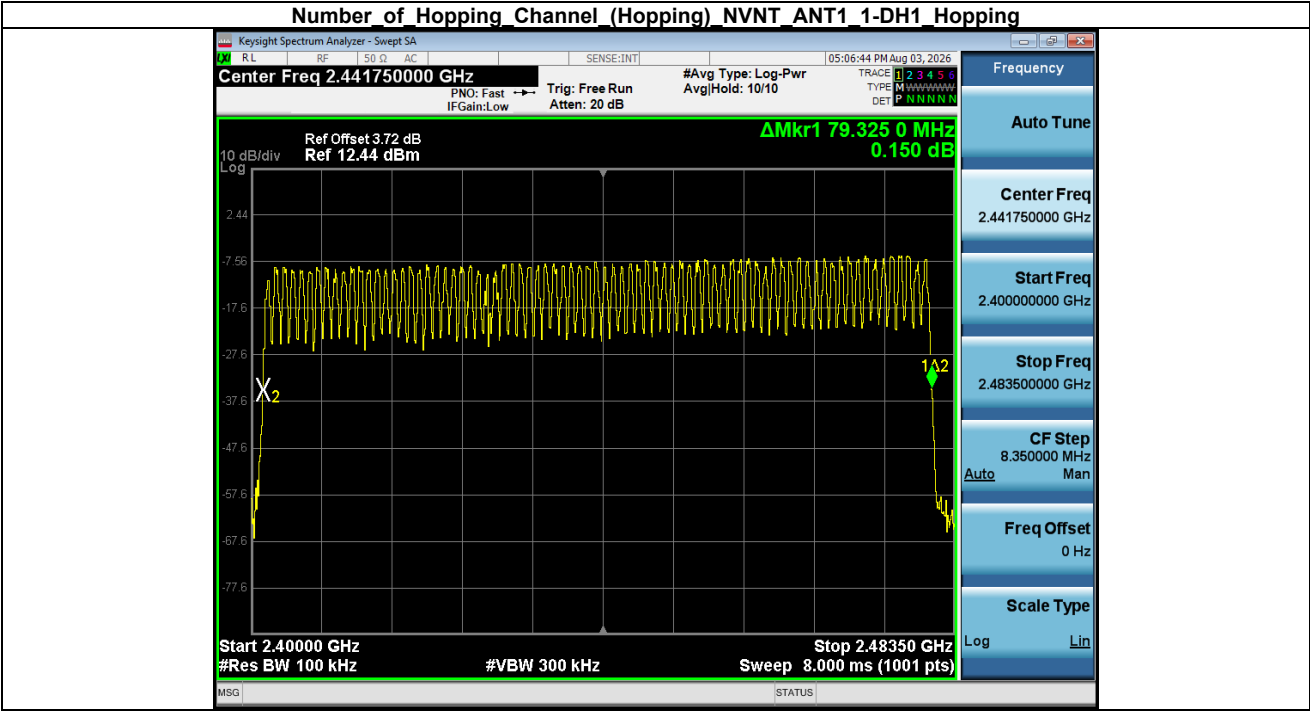


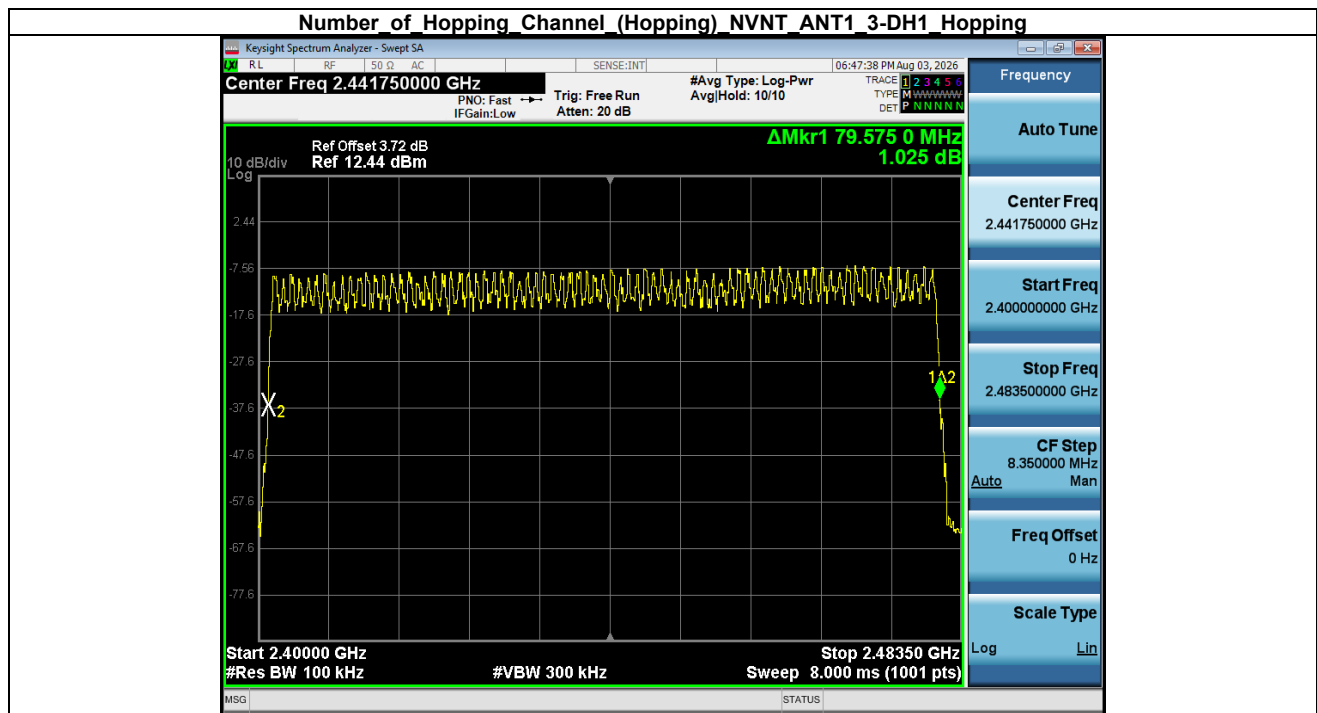




8. Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH1	79	15	Pass
NVNT	ANT1	2-DH1	79	15	Pass
NVNT	ANT1	3-DH1	79	15	Pass





9. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH1	0.380	319.00	121.220	0.40	Pass
NVNT	ANT1	2-DH1	0.390	320.00	124.800	0.40	Pass
NVNT	ANT1	3-DH1	0.400	320.00	128.000	0.40	Pass
NVNT	ANT1	1-DH3	1.640	154.00	252.560	0.40	Pass
NVNT	ANT1	1-DH5	2.890	113.00	326.570	0.40	Pass
NVNT	ANT1	2-DH3	1.650	155.00	255.750	0.40	Pass
NVNT	ANT1	2-DH5	2.900	101.00	292.900	0.40	Pass
NVNT	ANT1	3-DH3	1.640	169.00	277.160	0.40	Pass
NVNT	ANT1	3-DH5	2.900	111.00	321.900	0.40	Pass

