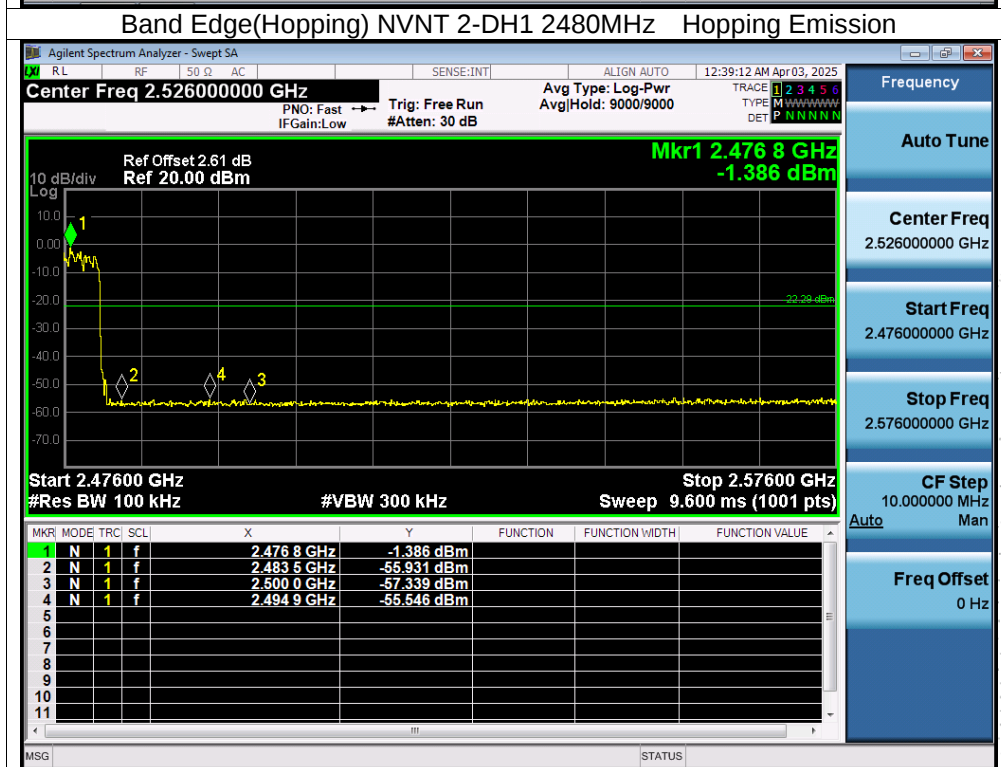
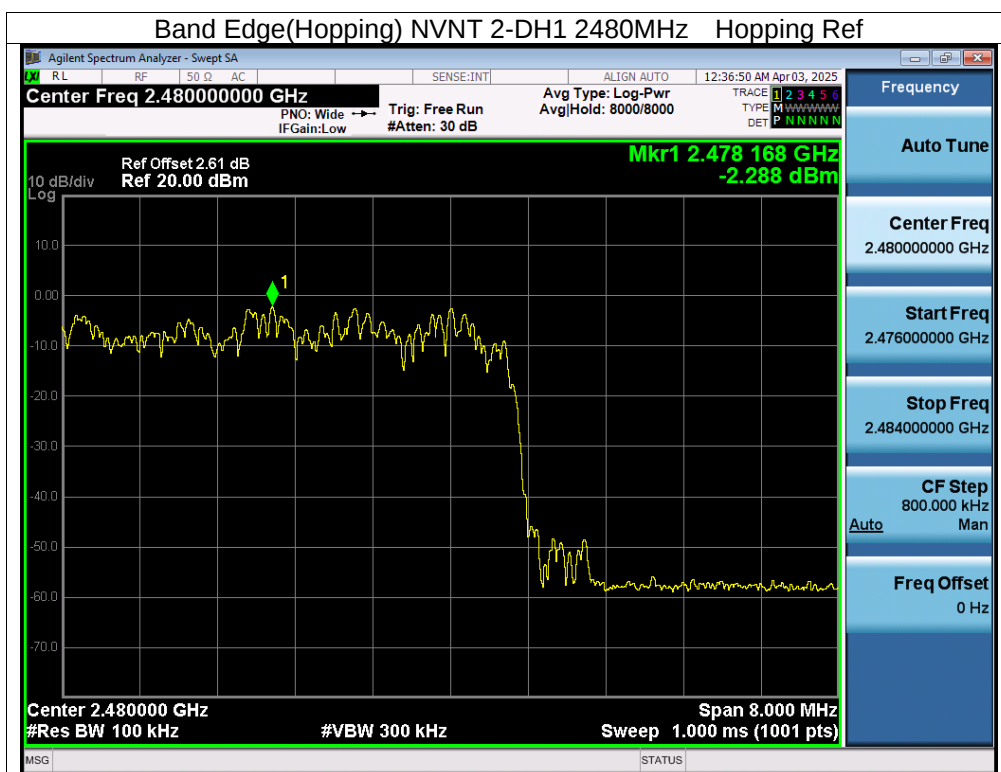
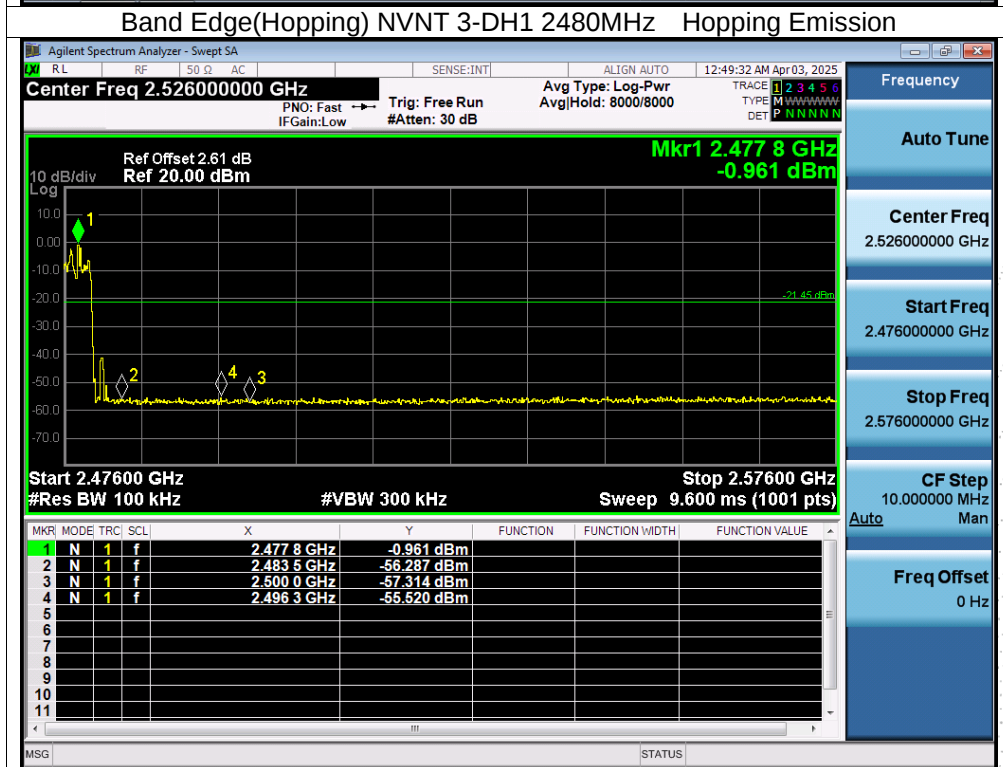
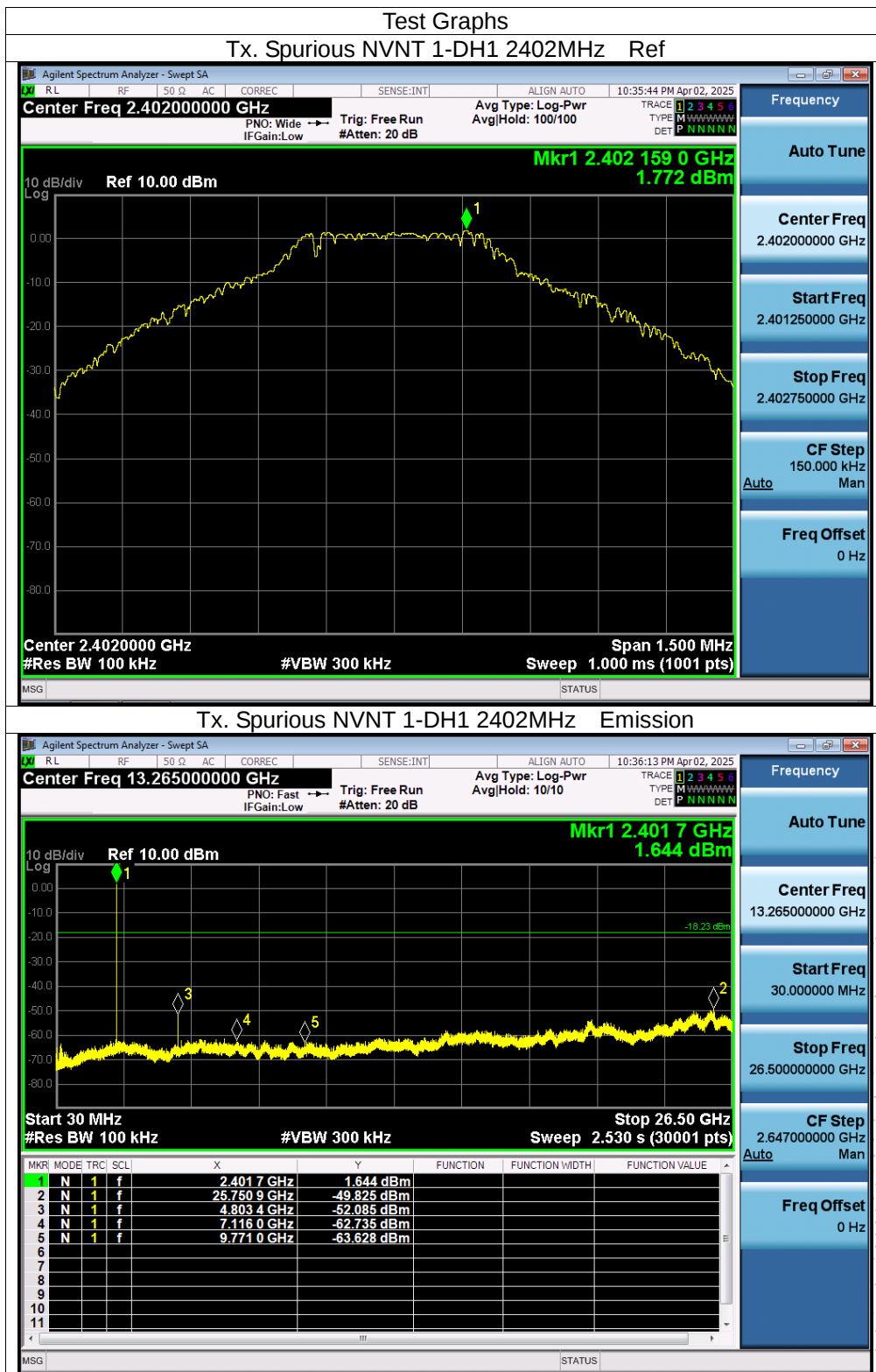


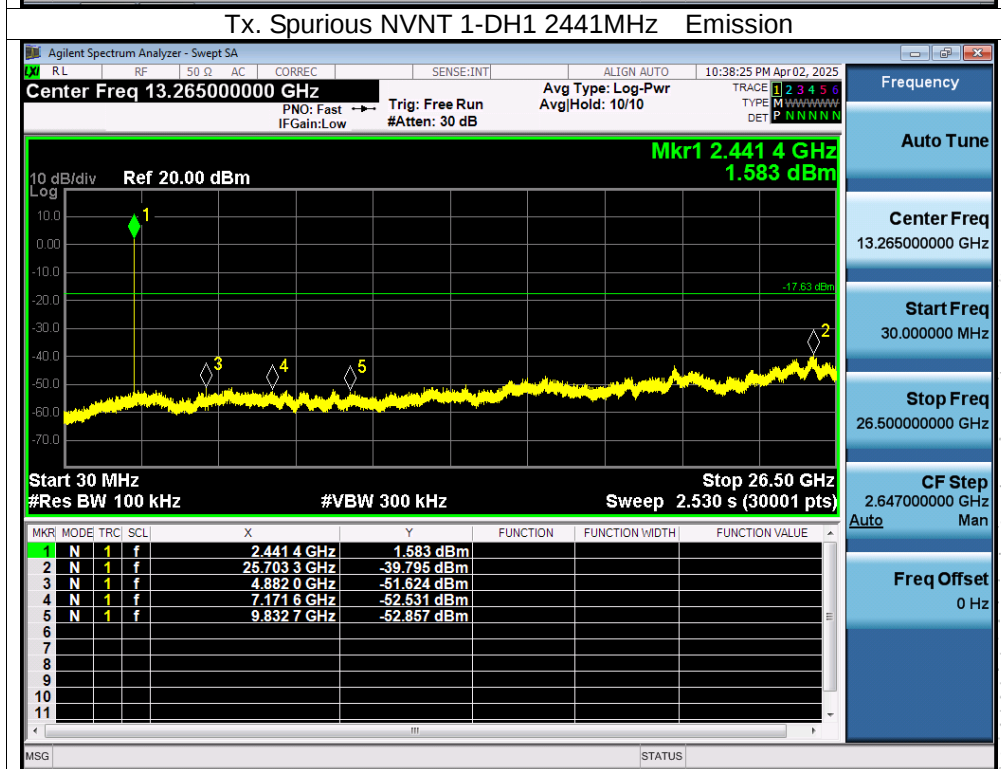
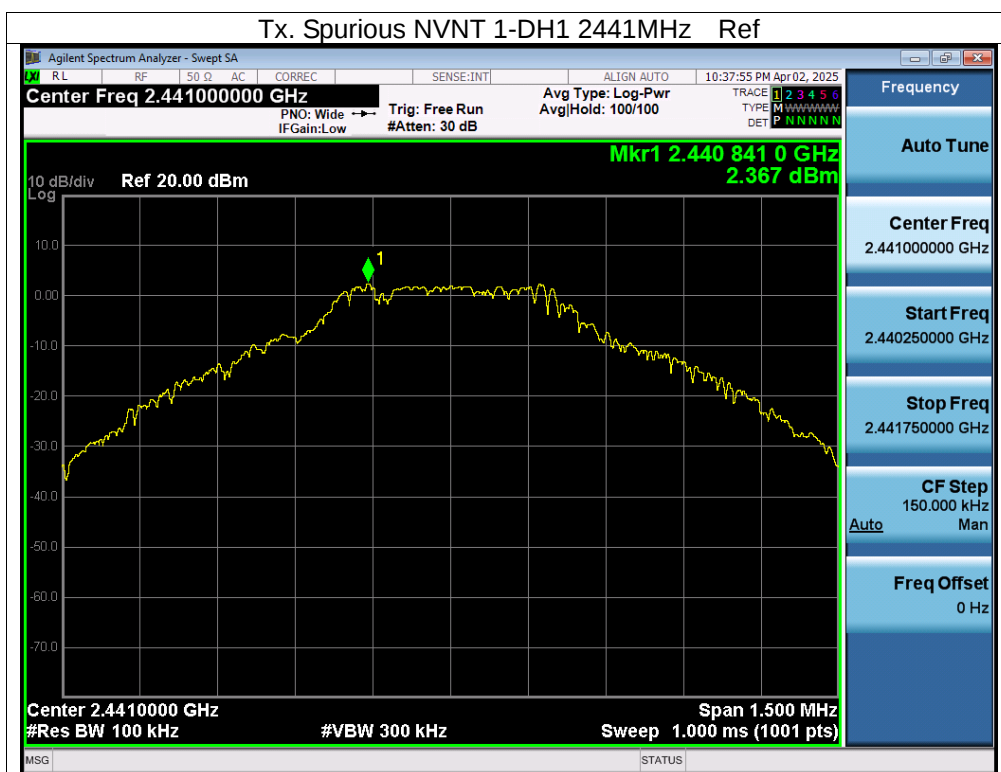


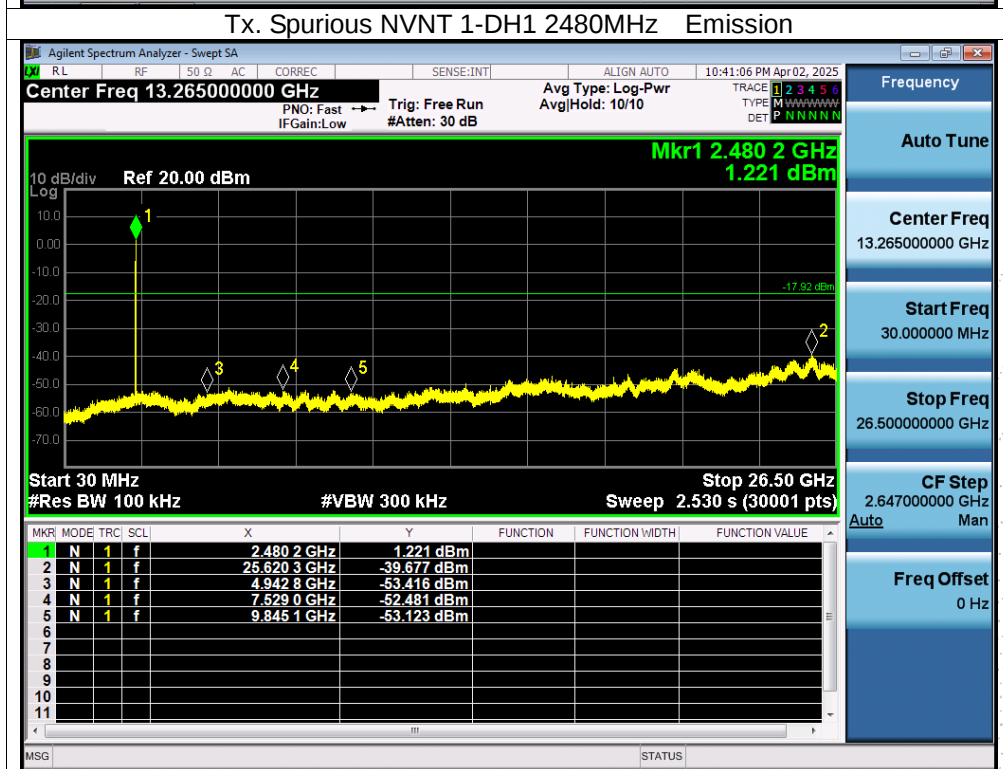
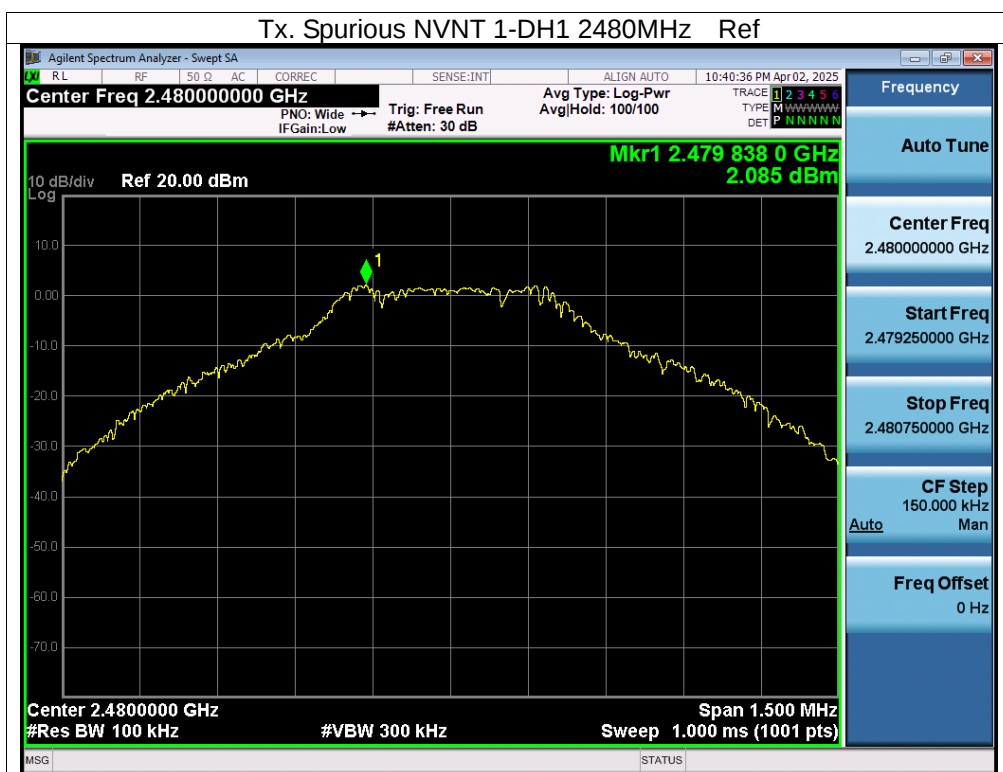




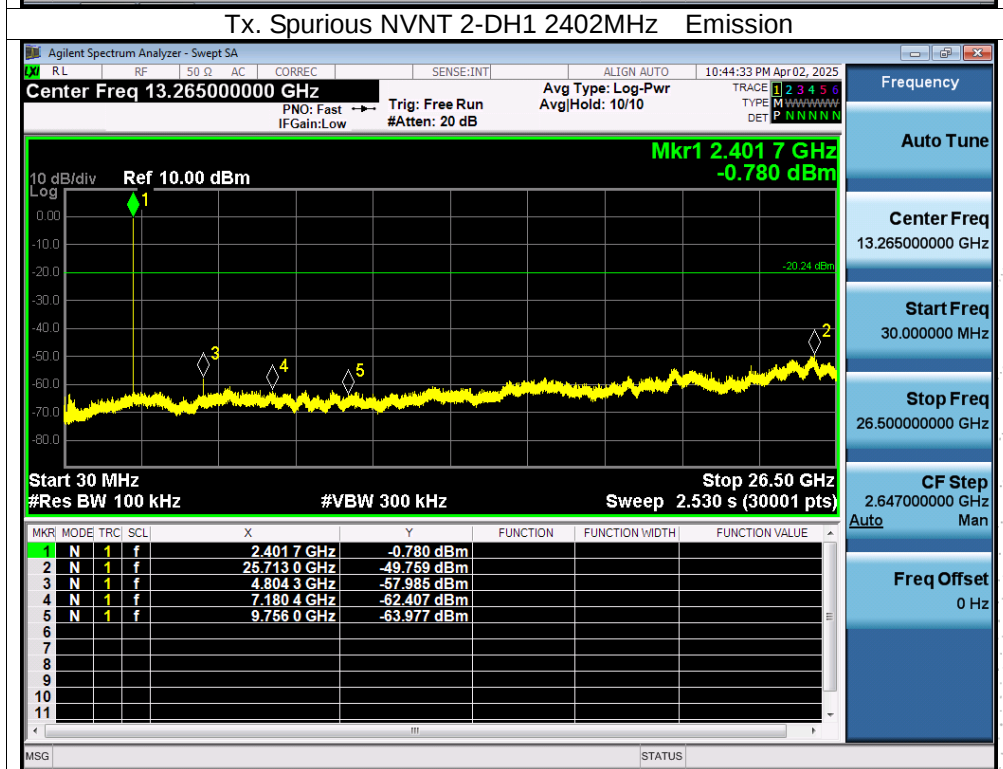
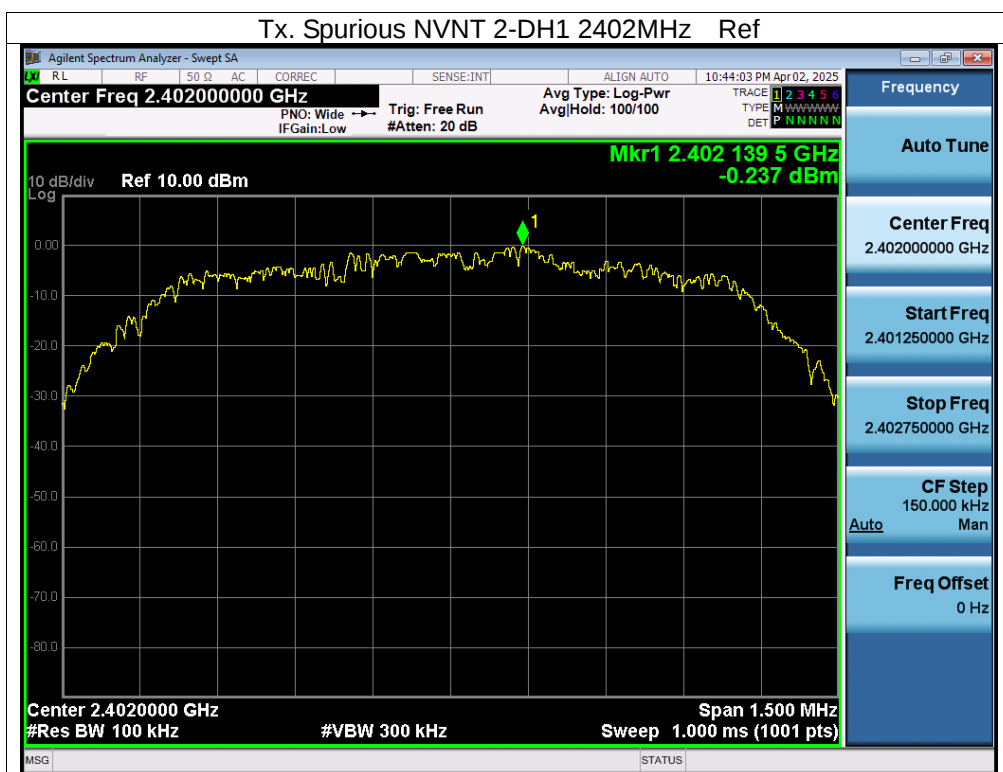
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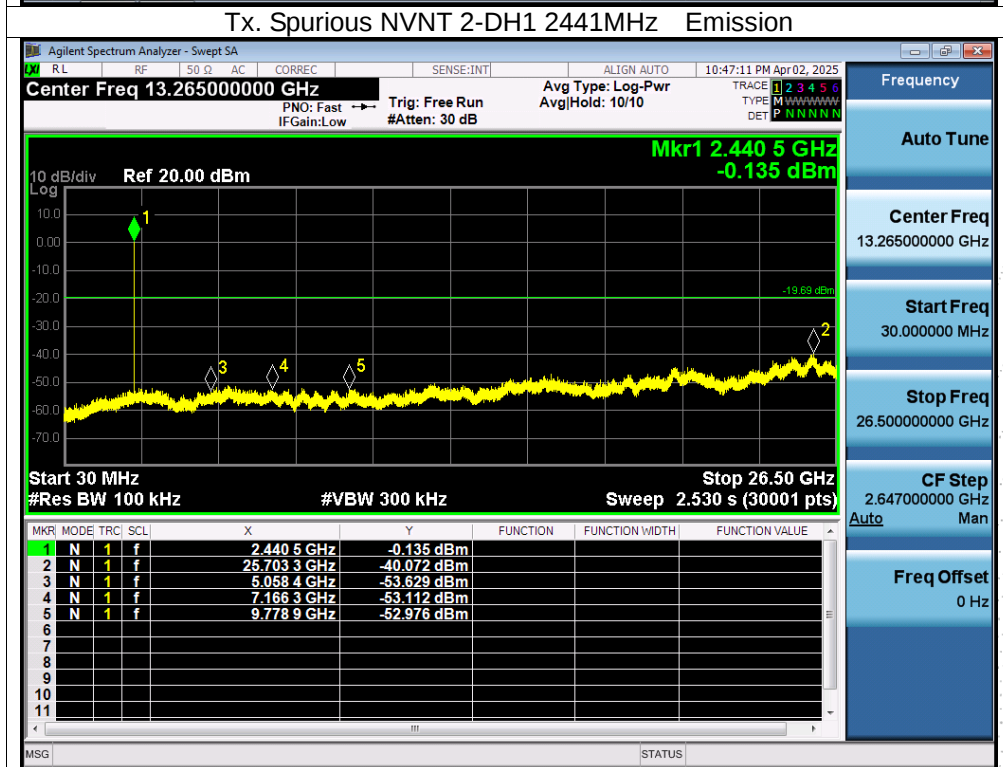
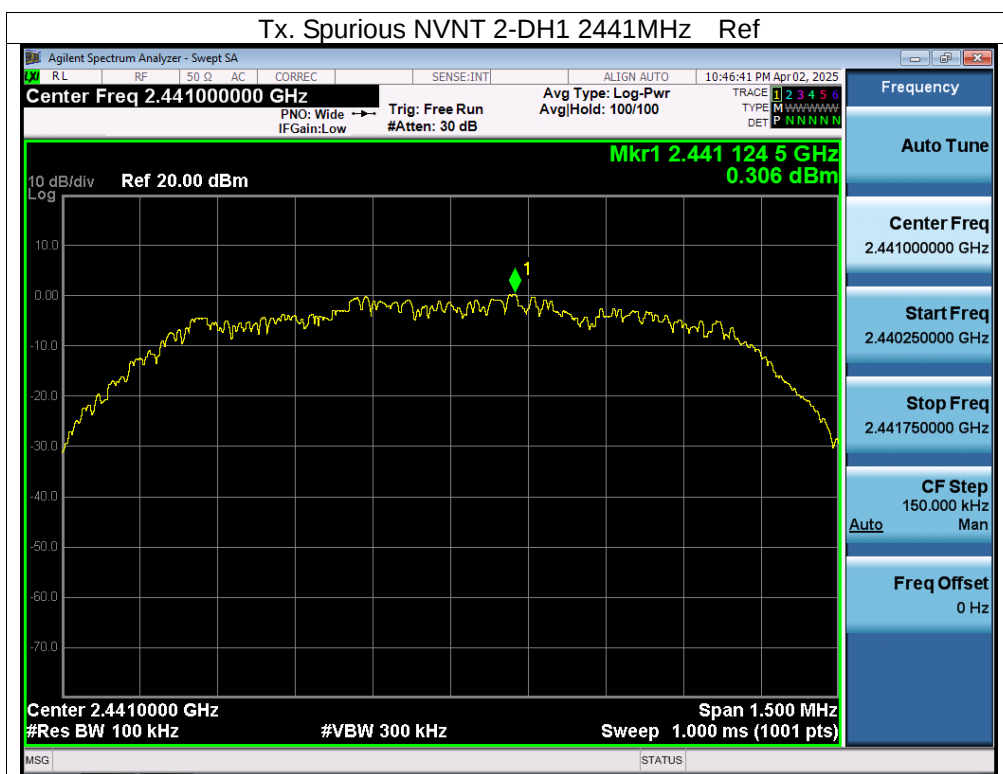


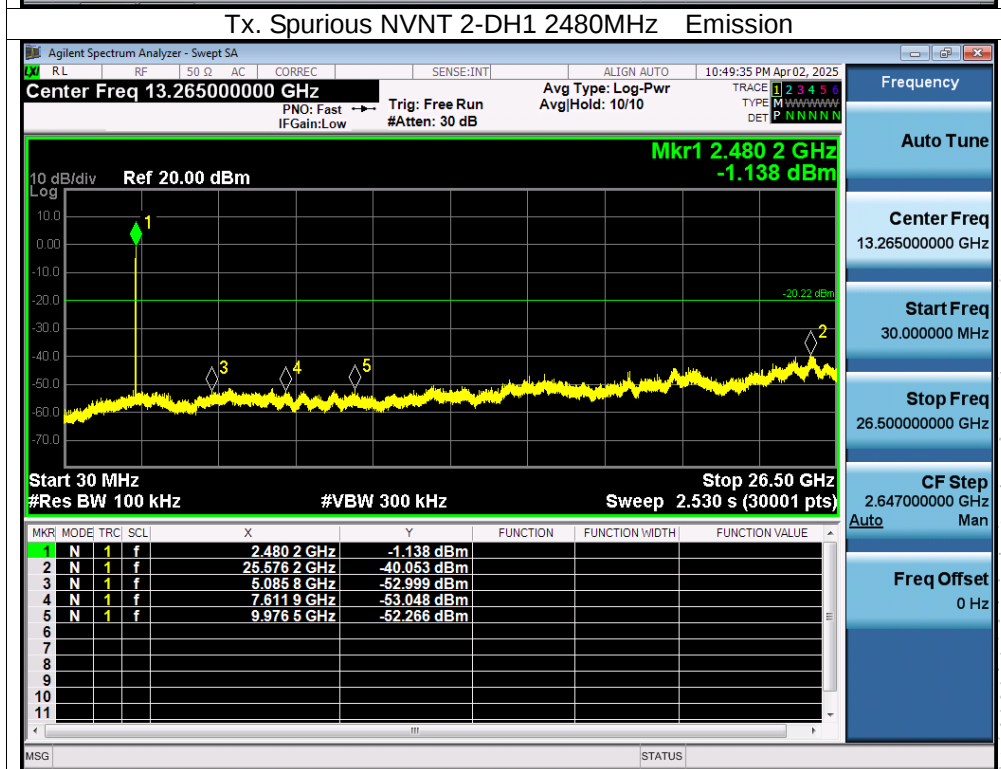
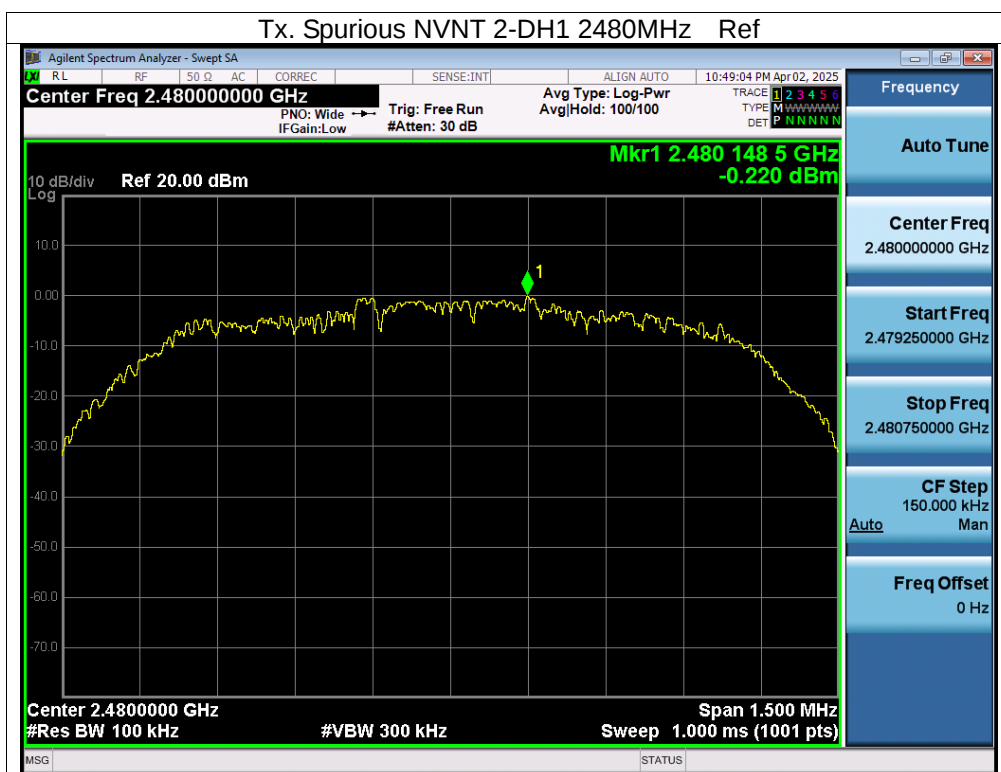


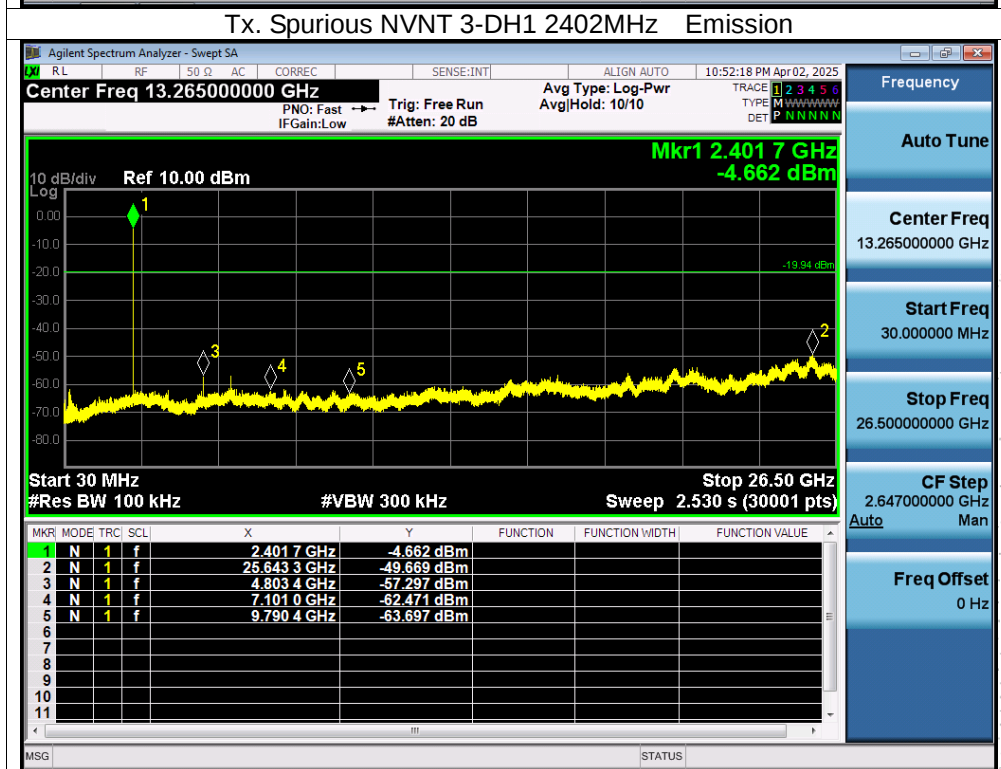
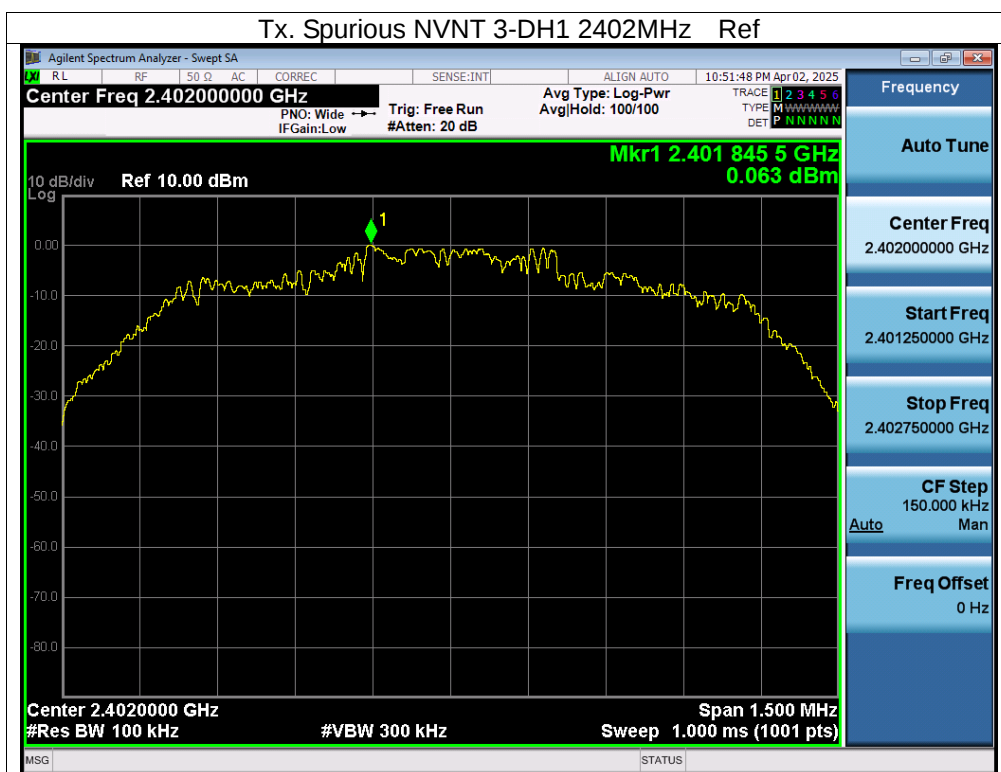


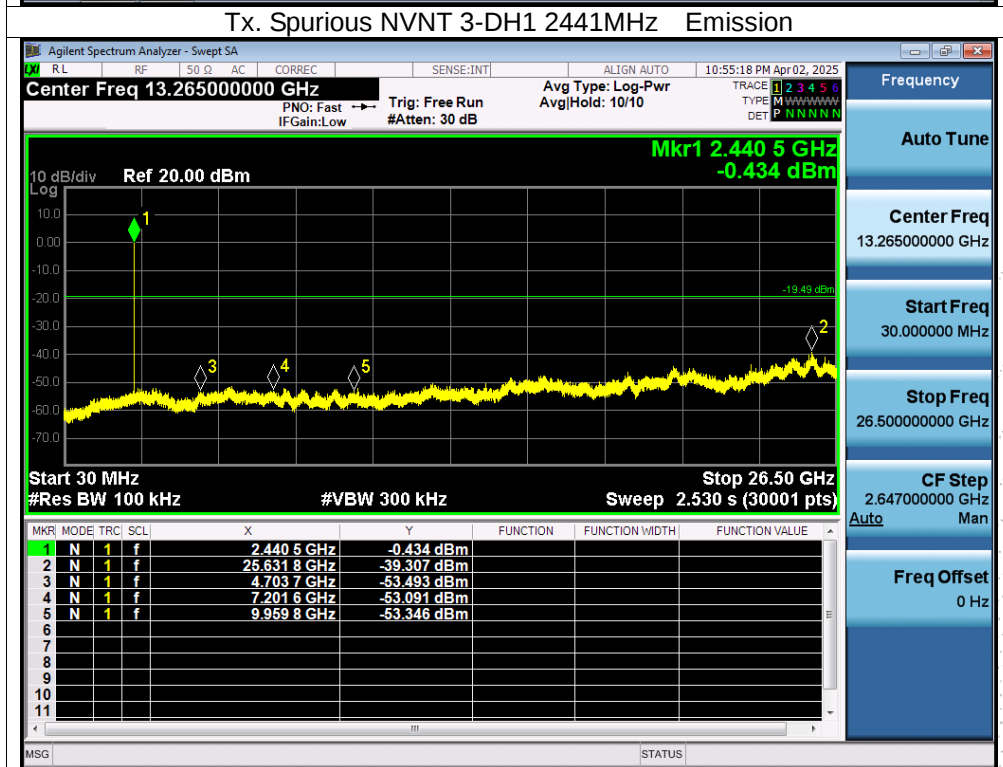
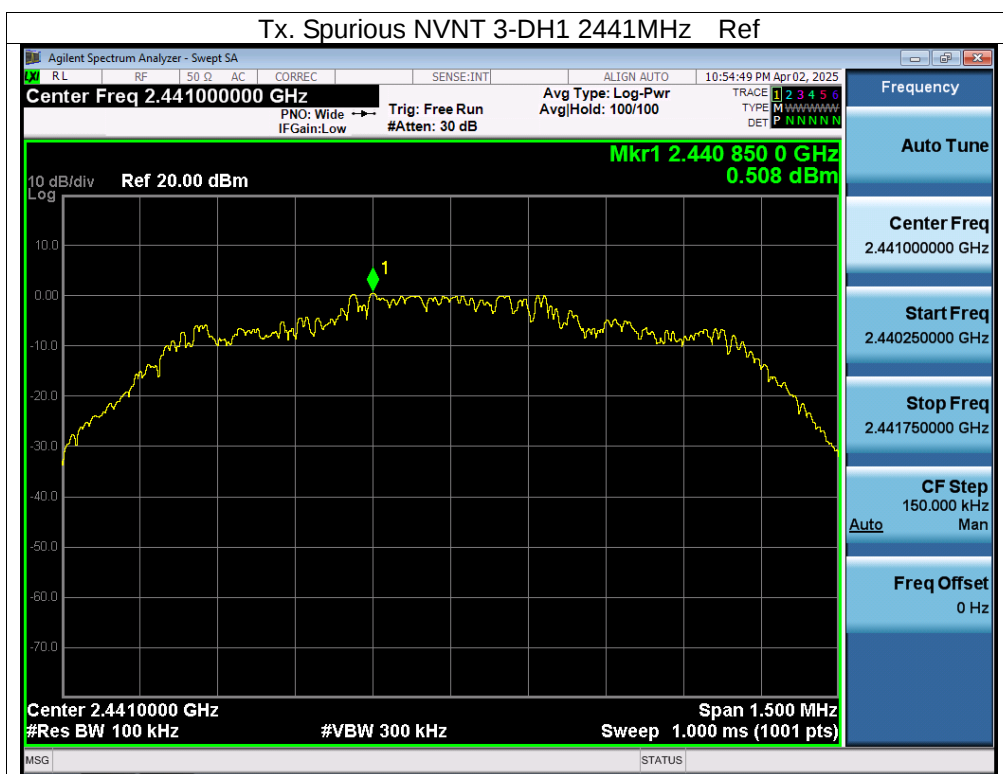
CO. LTD.

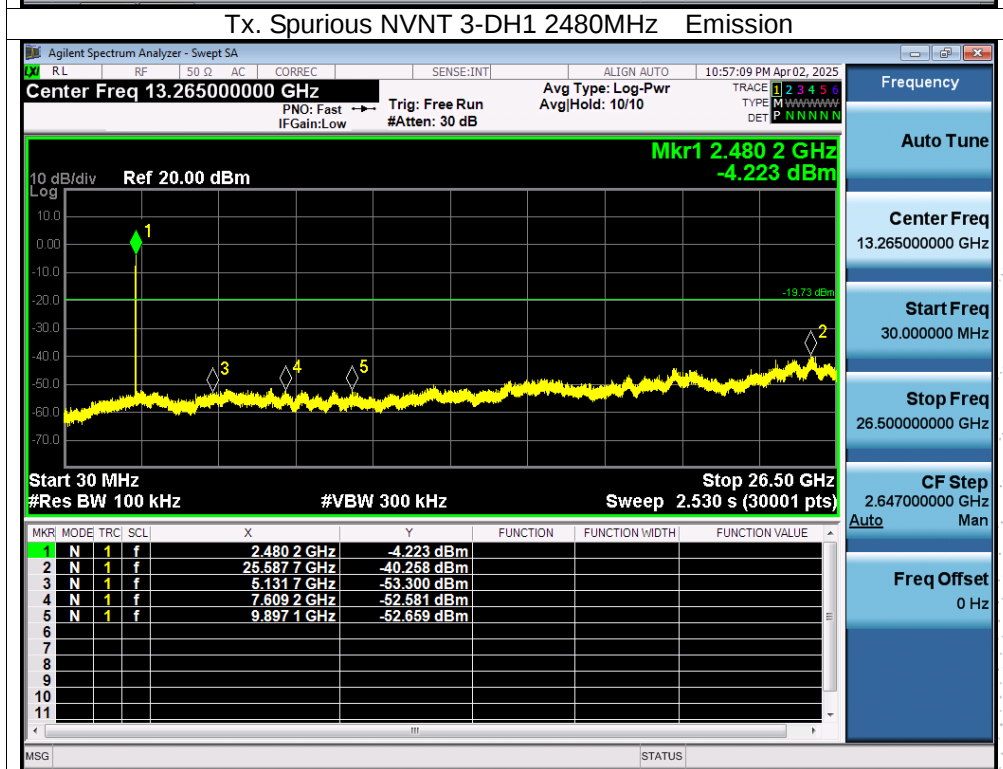
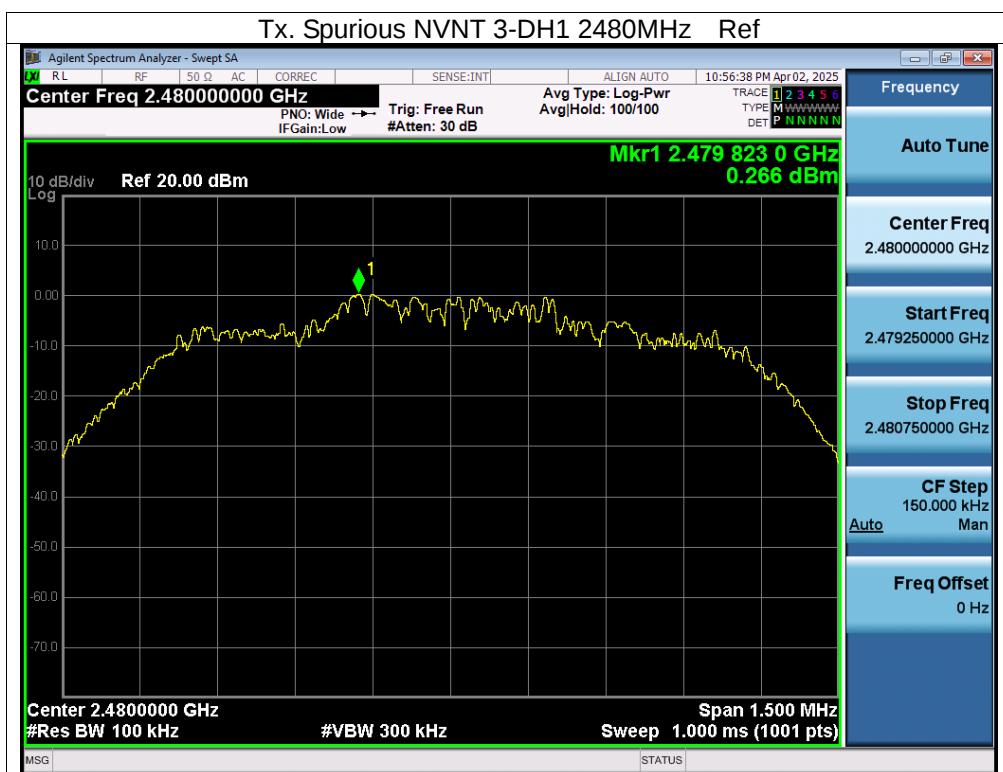




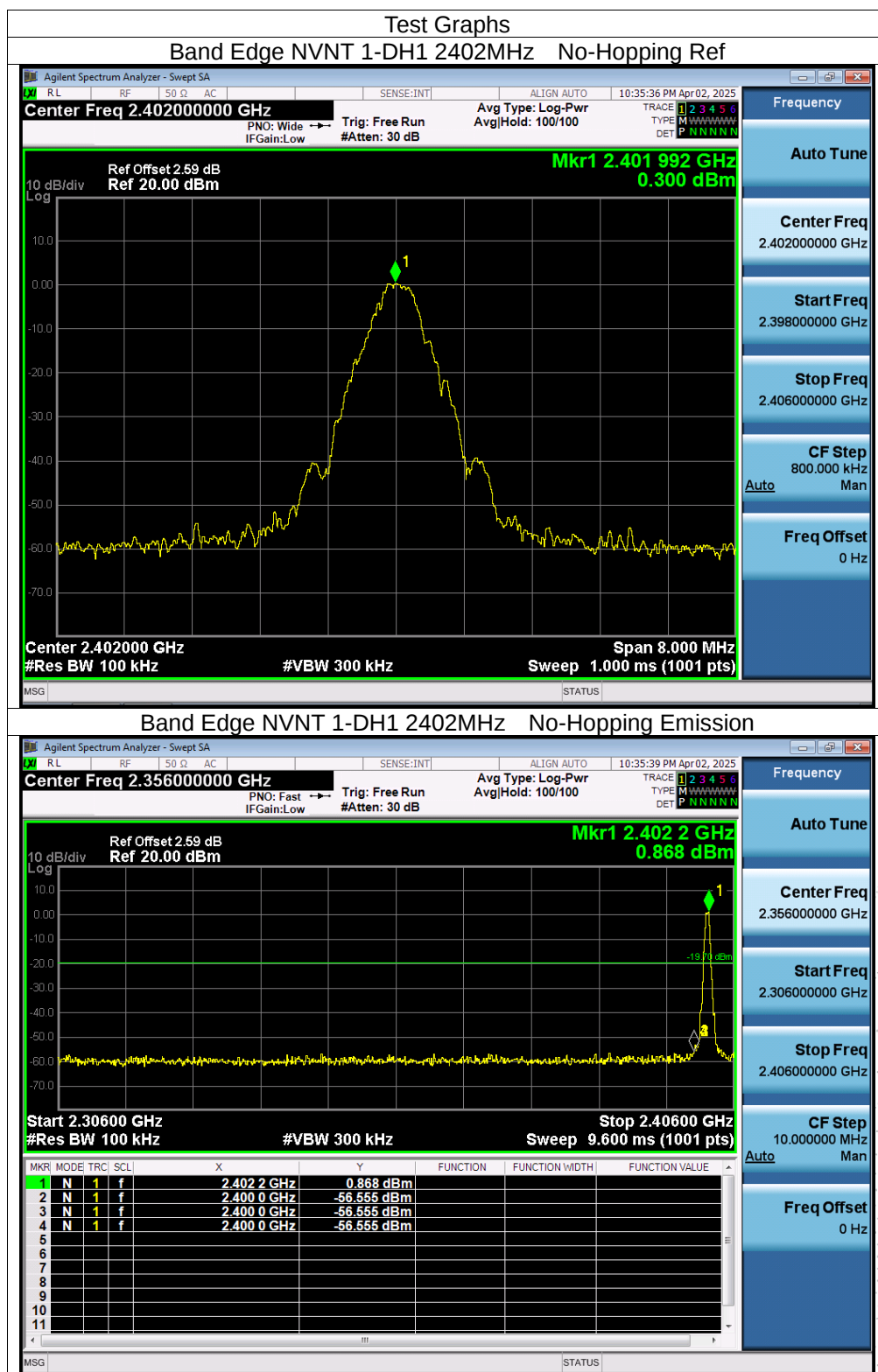


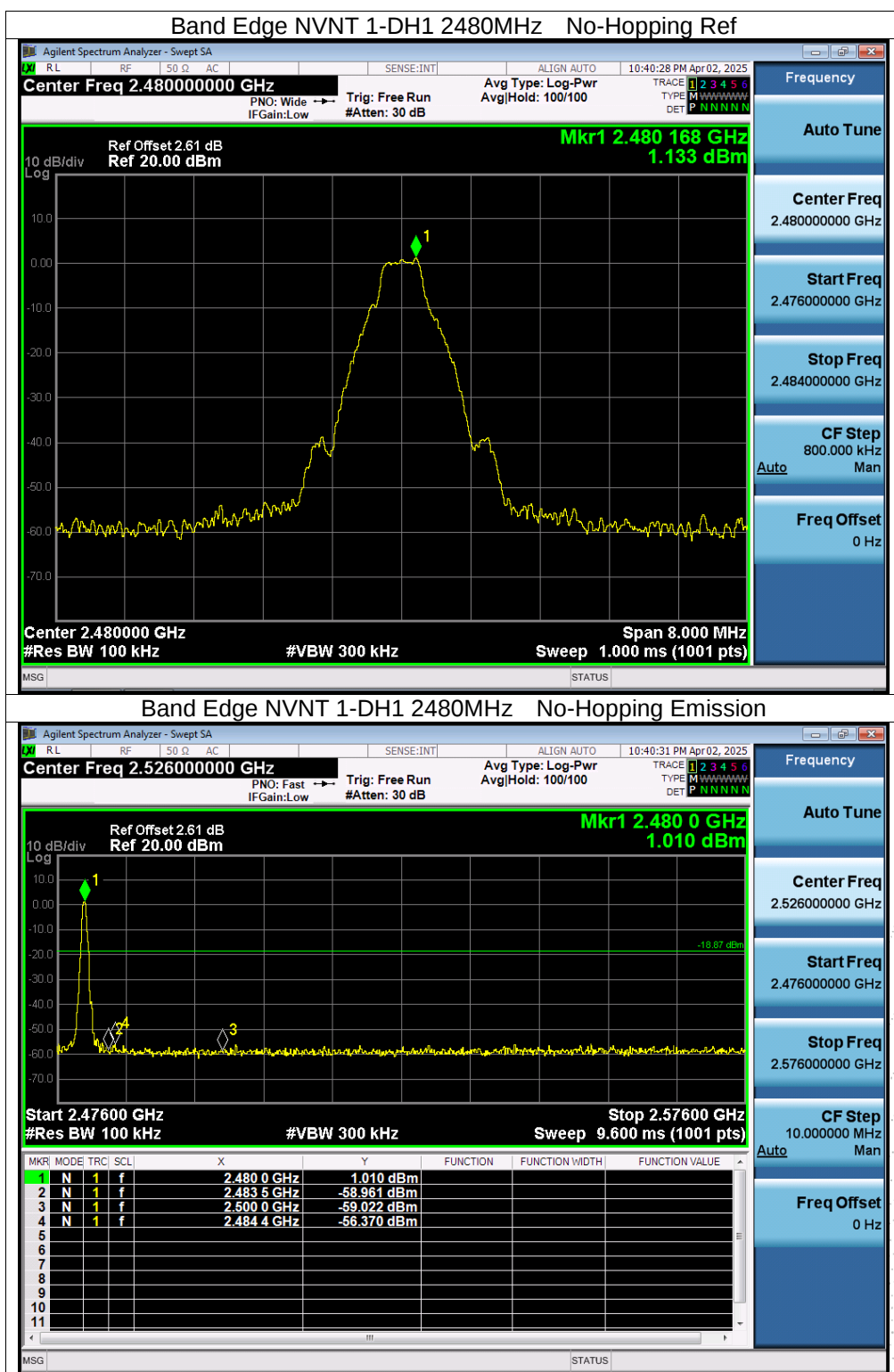


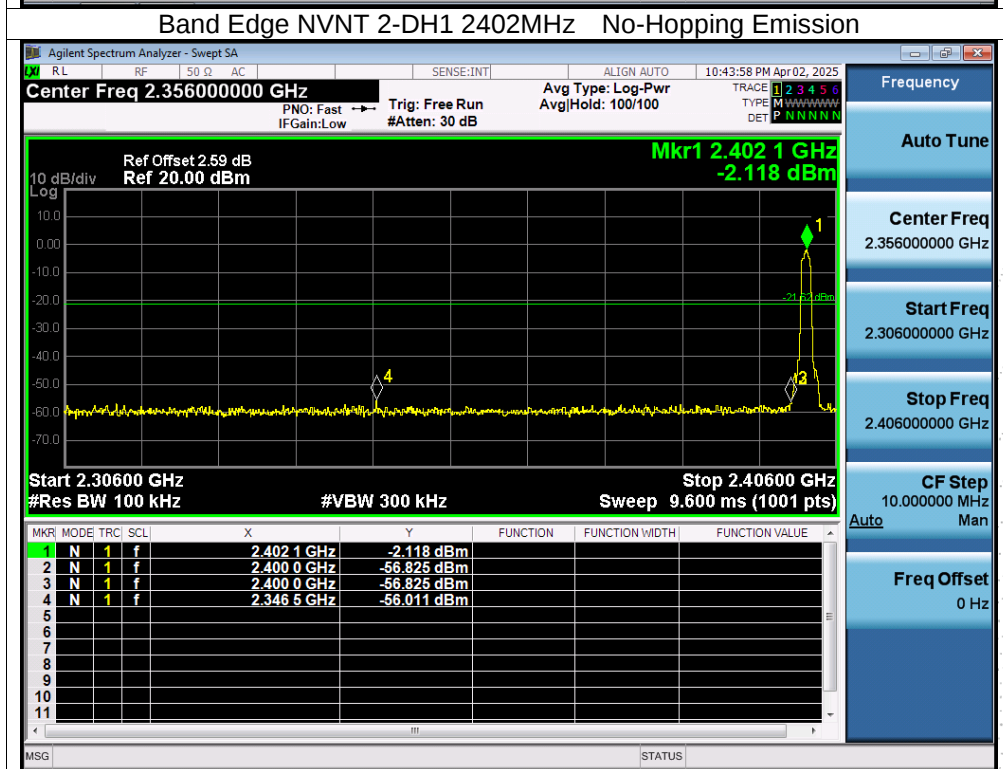
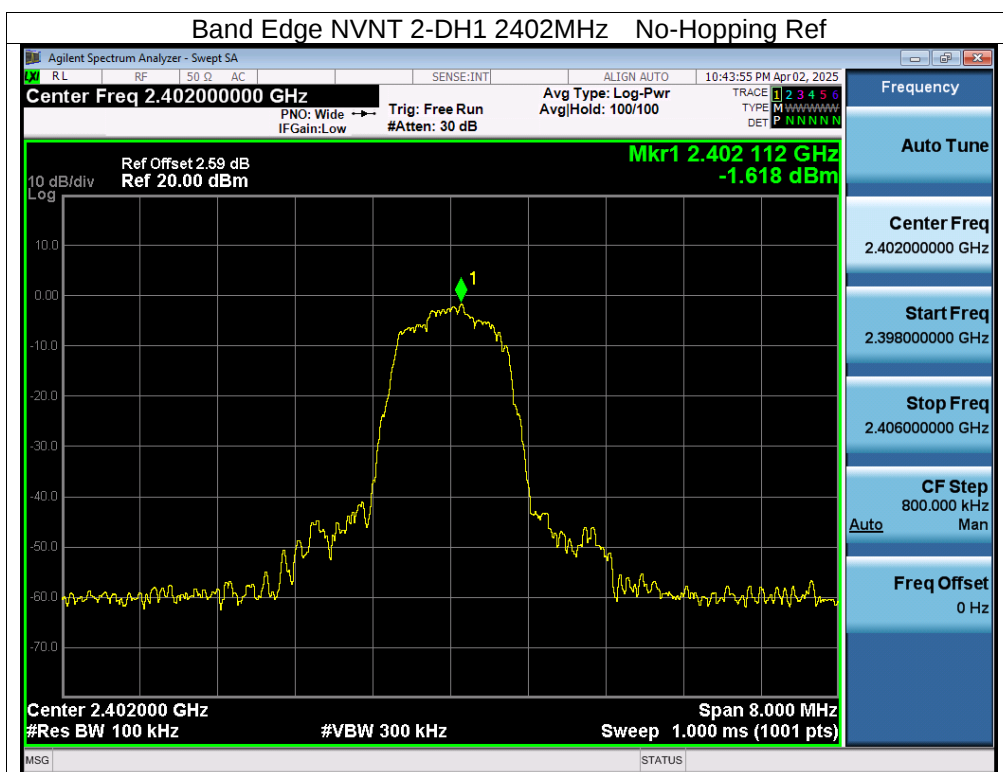


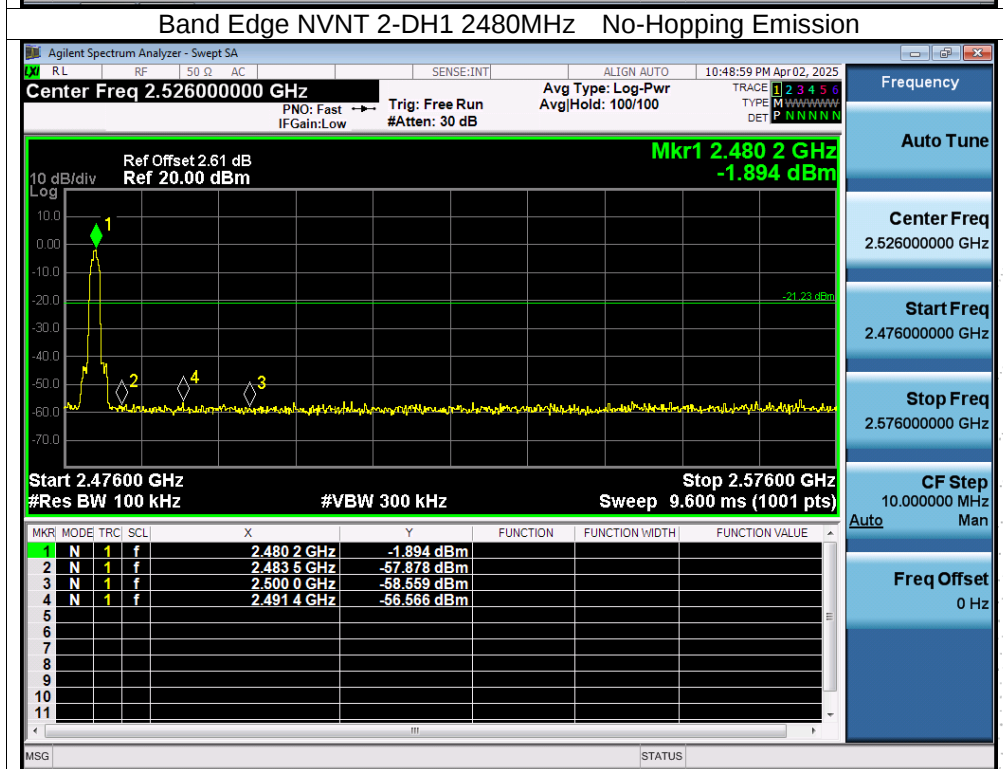
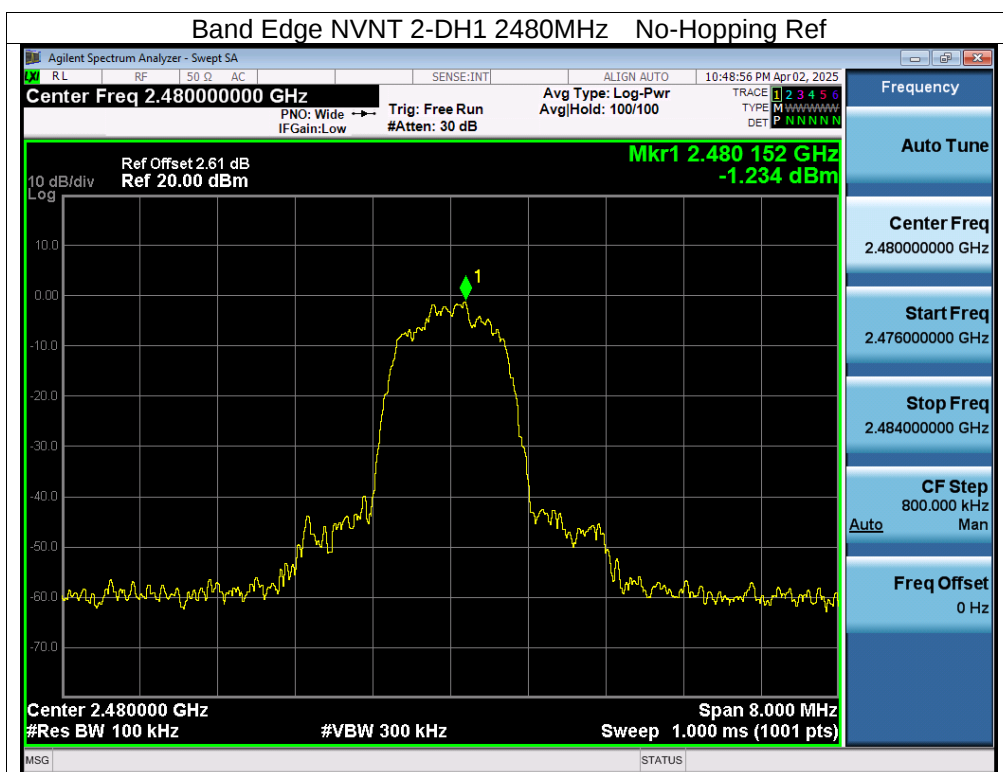


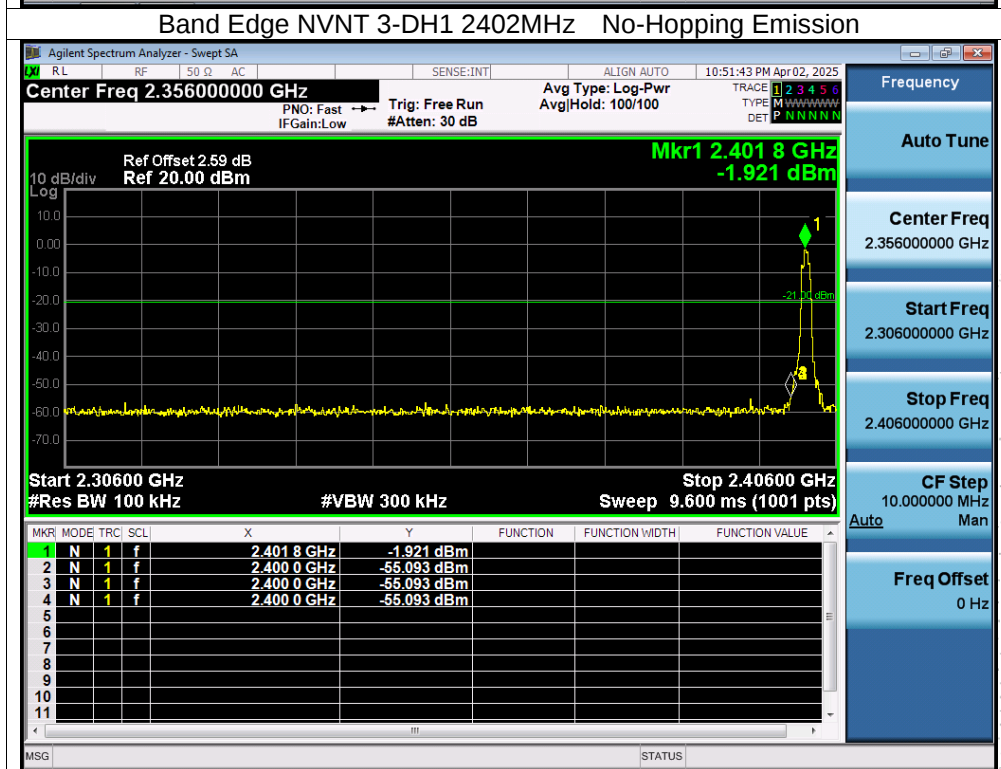
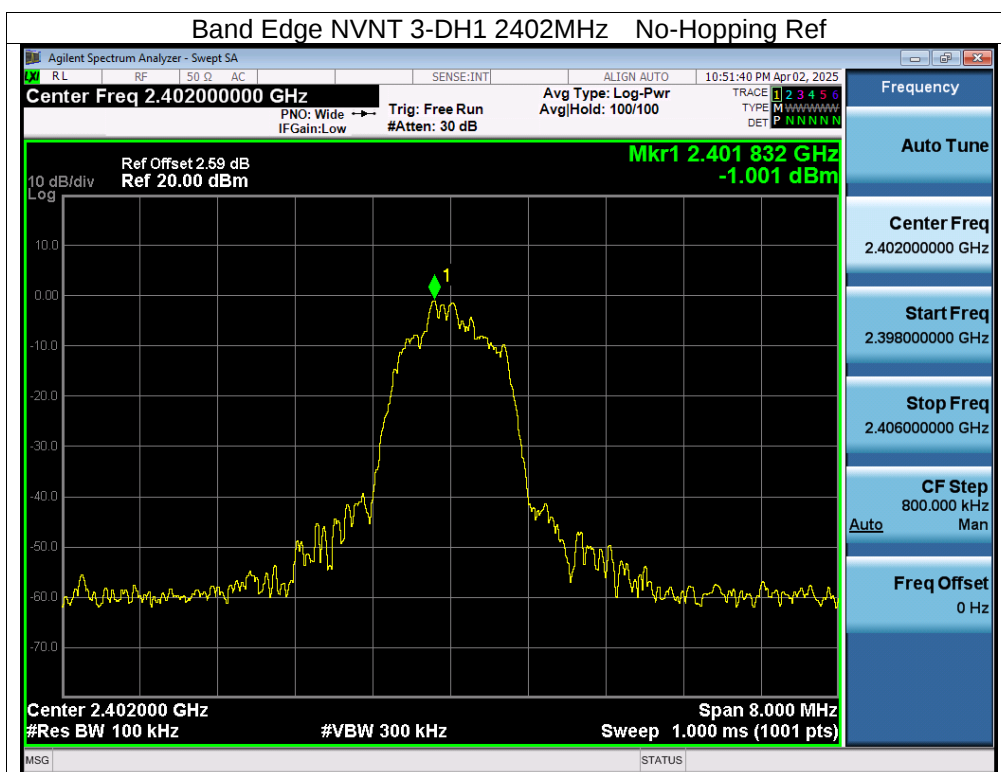
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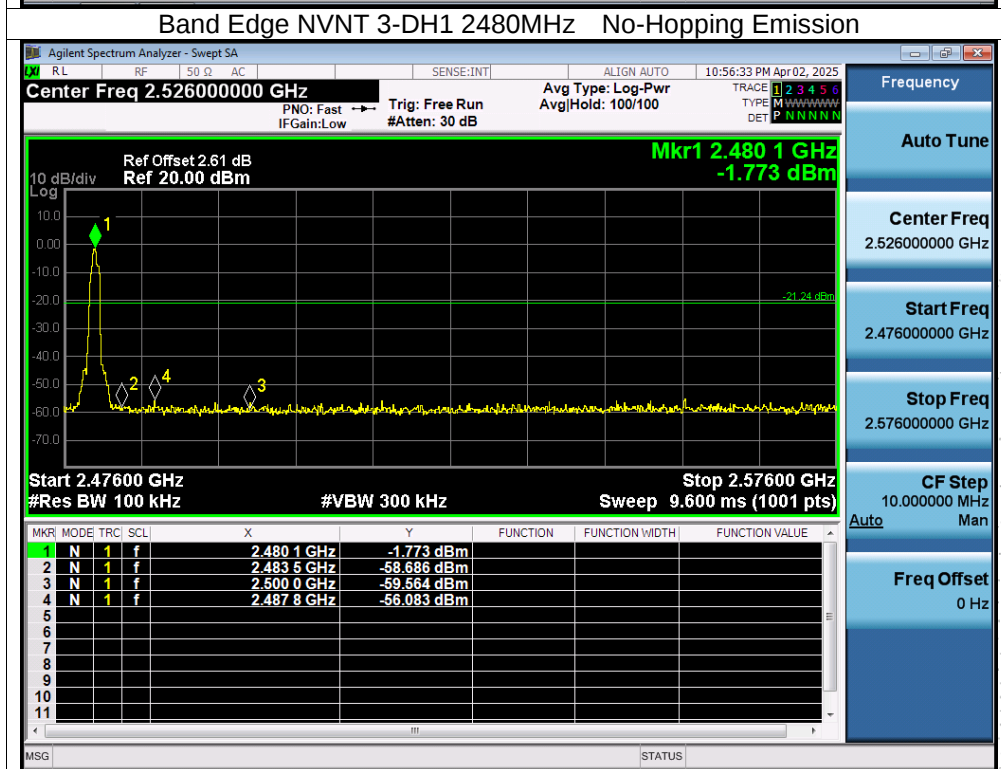
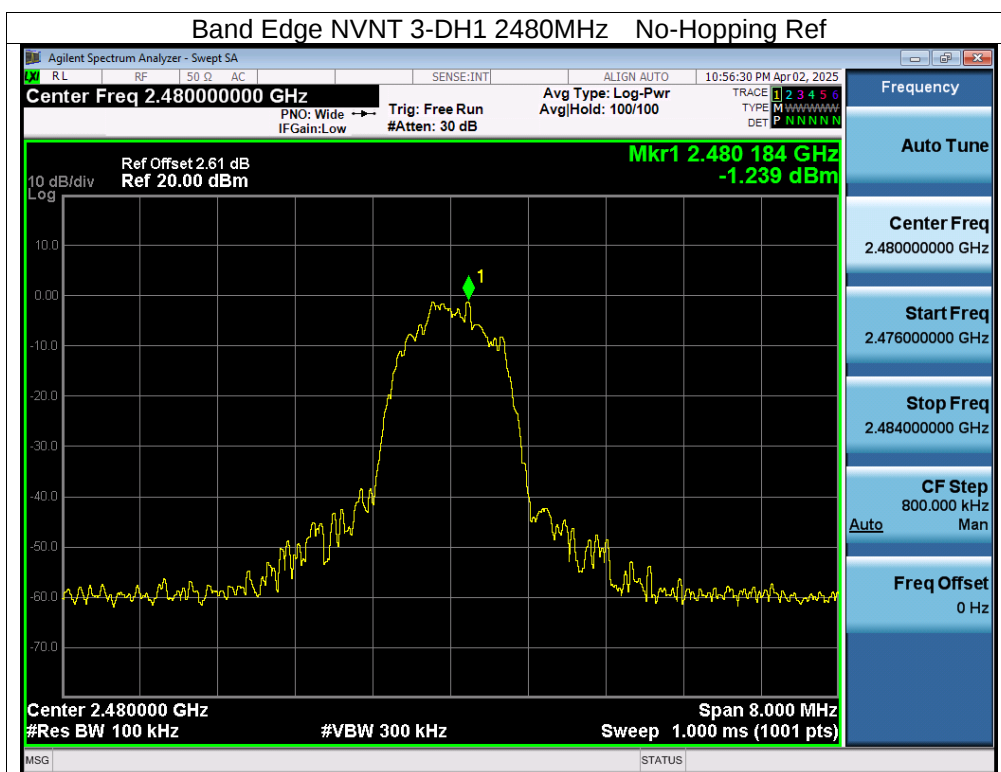




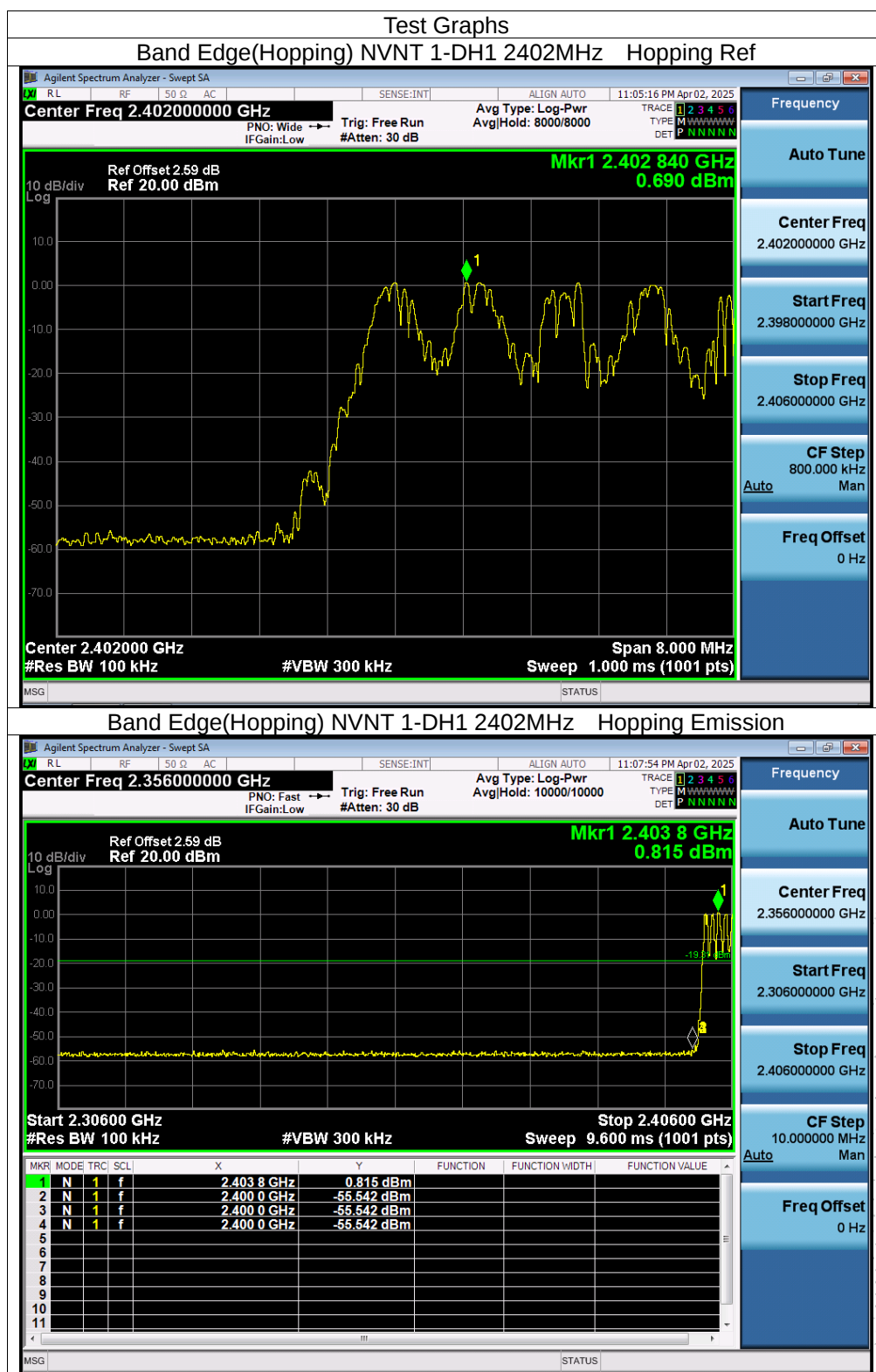




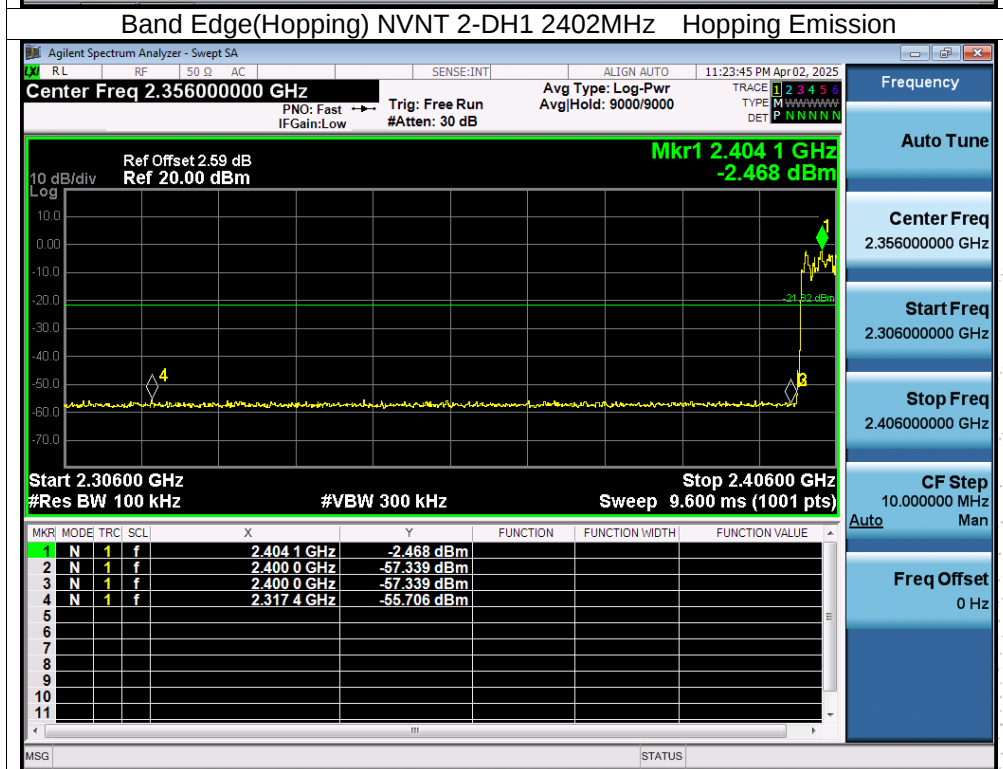
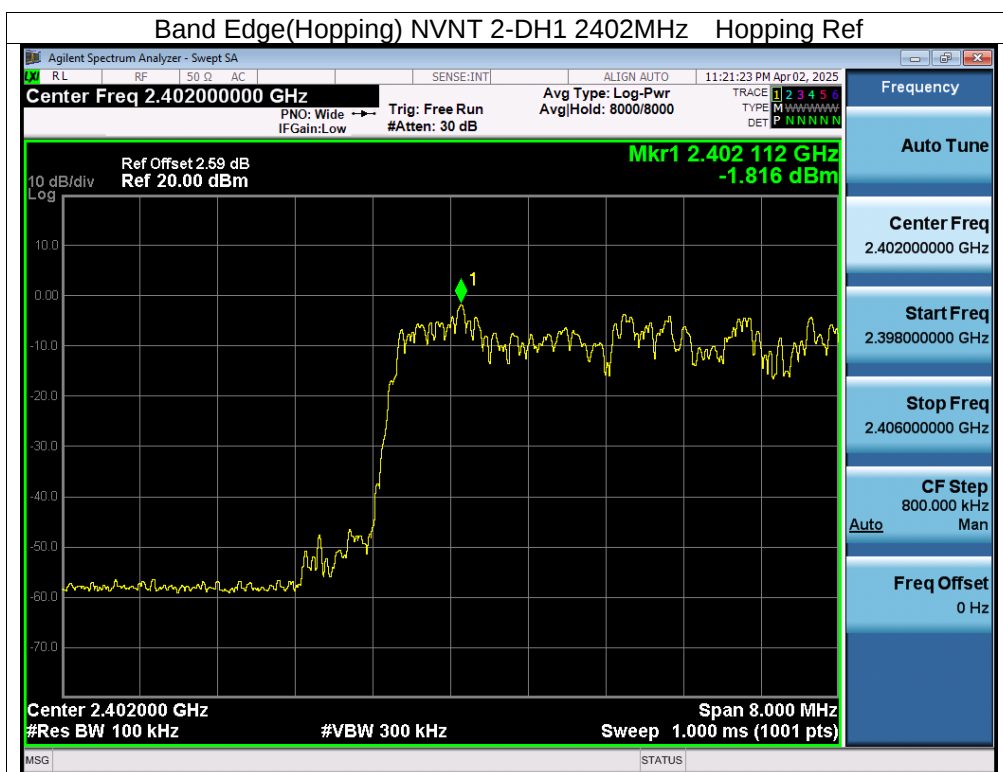


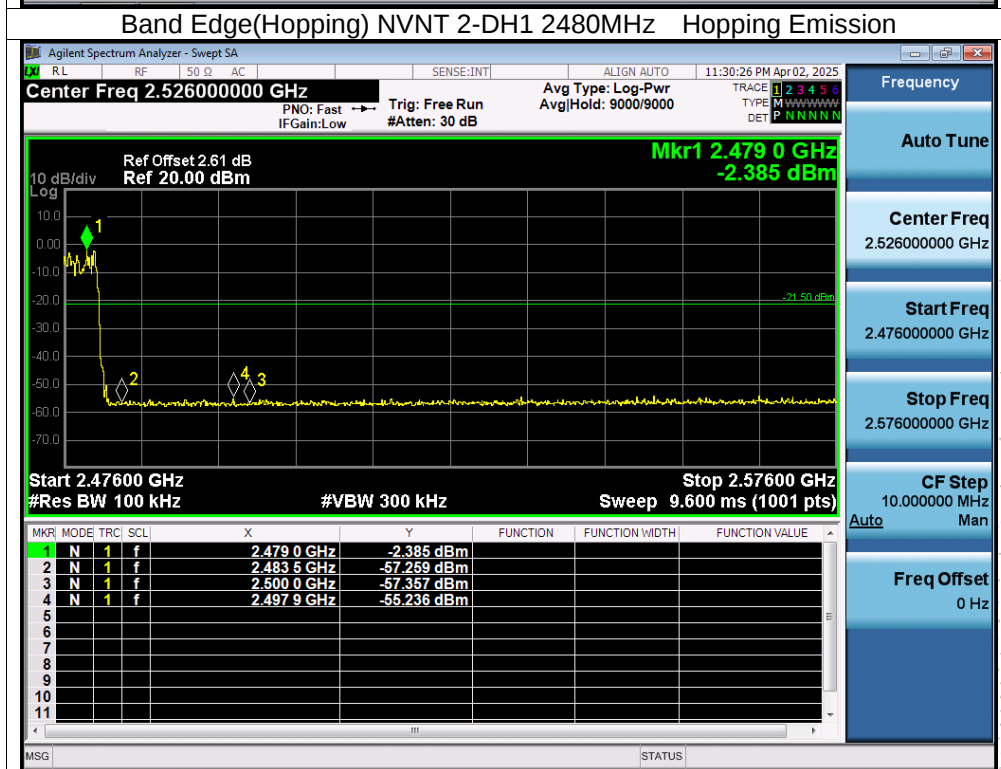


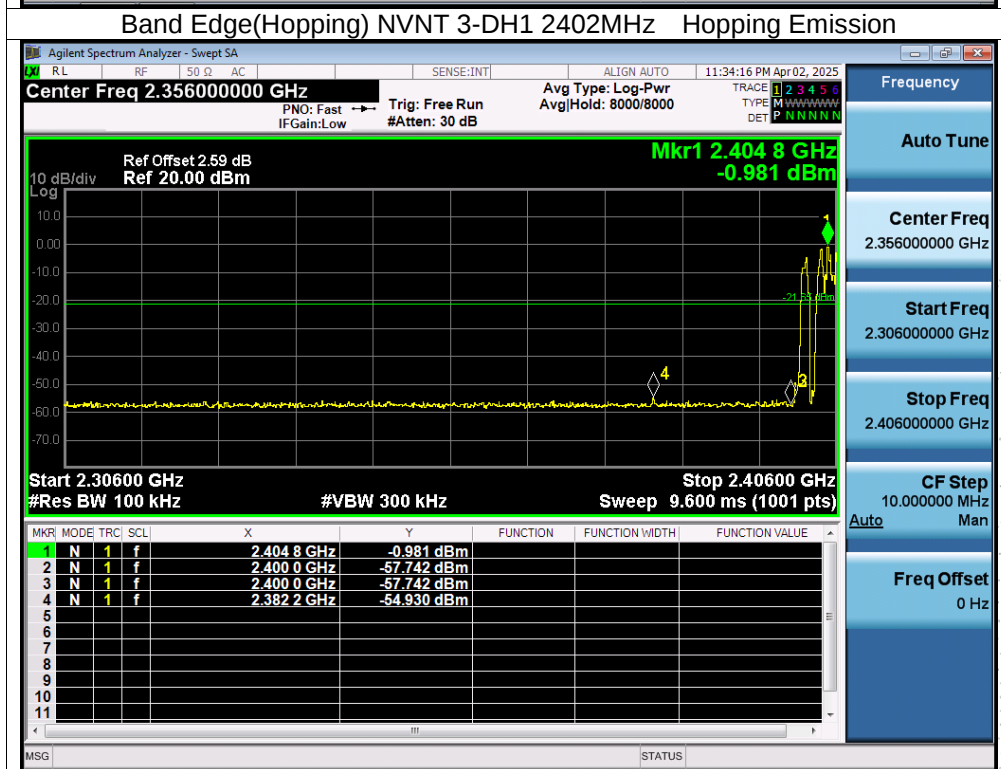
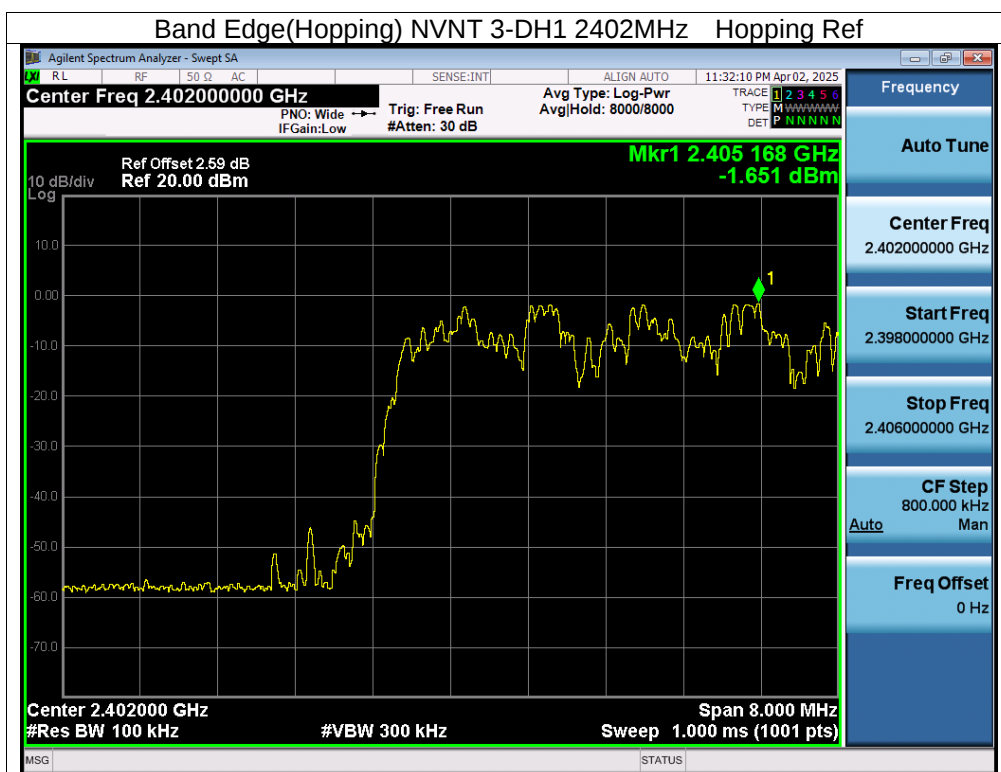
CO., LTD.

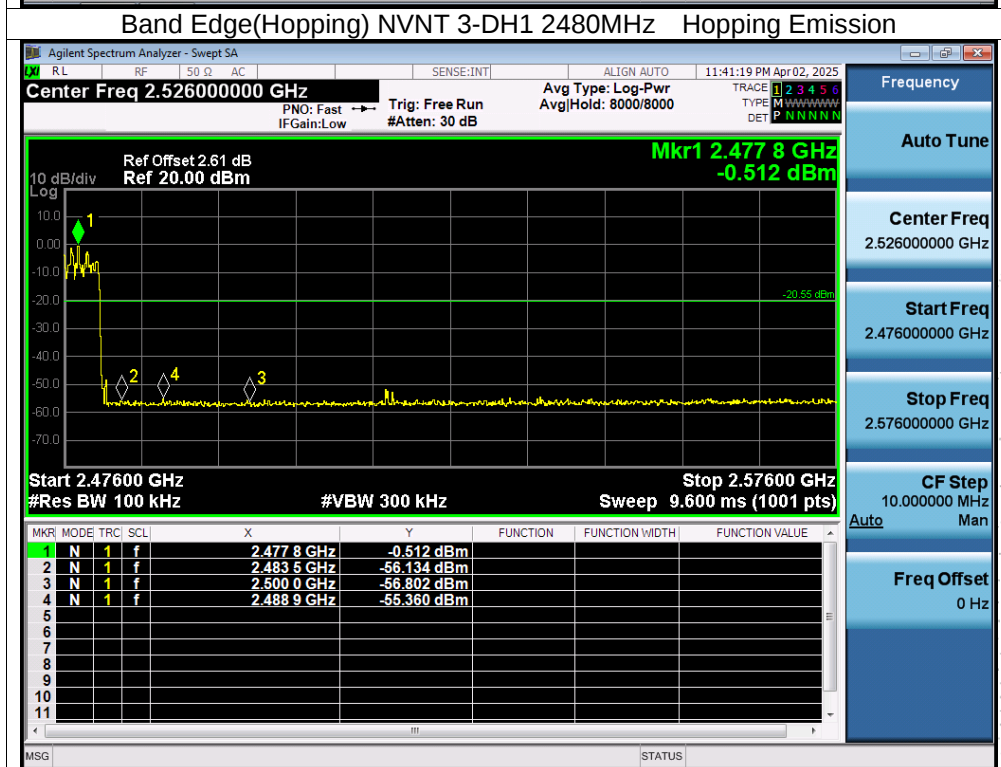








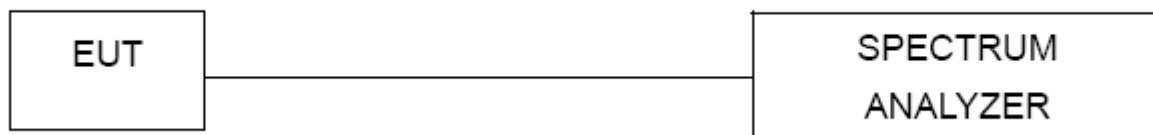




CO. LTD.

10. 20 dB Bandwidth

10.1 Block Diagram Of Test Setup



10.2 Limit

N/A

10.3 Test procedure

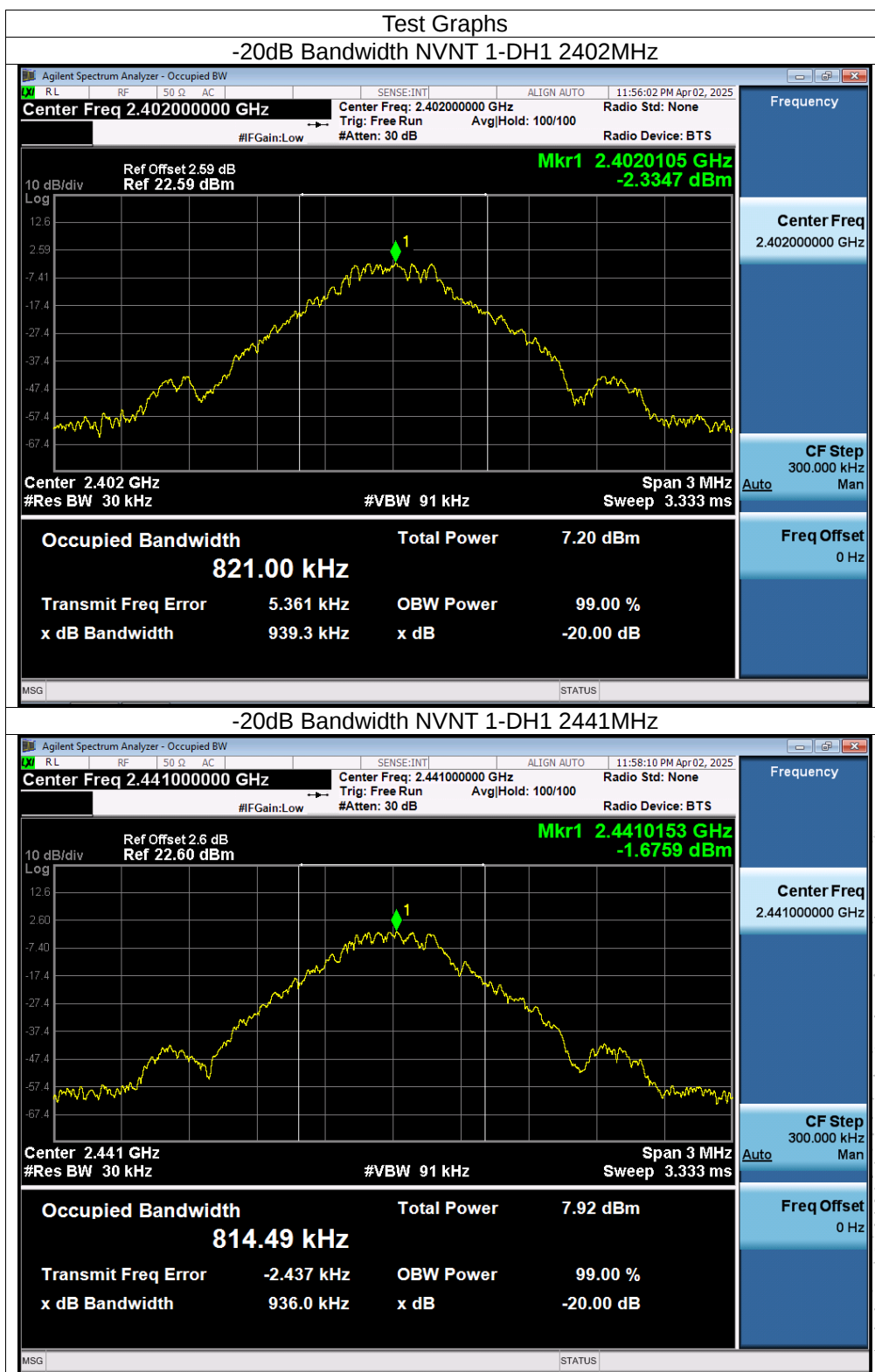
1. Set RBW = 30kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

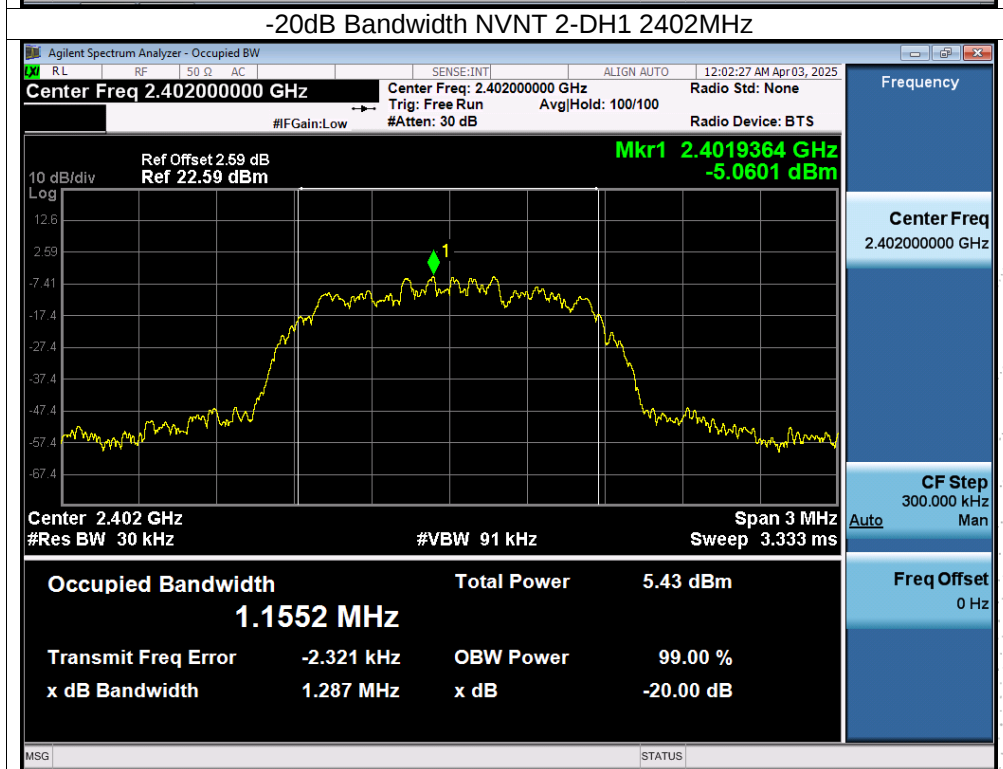
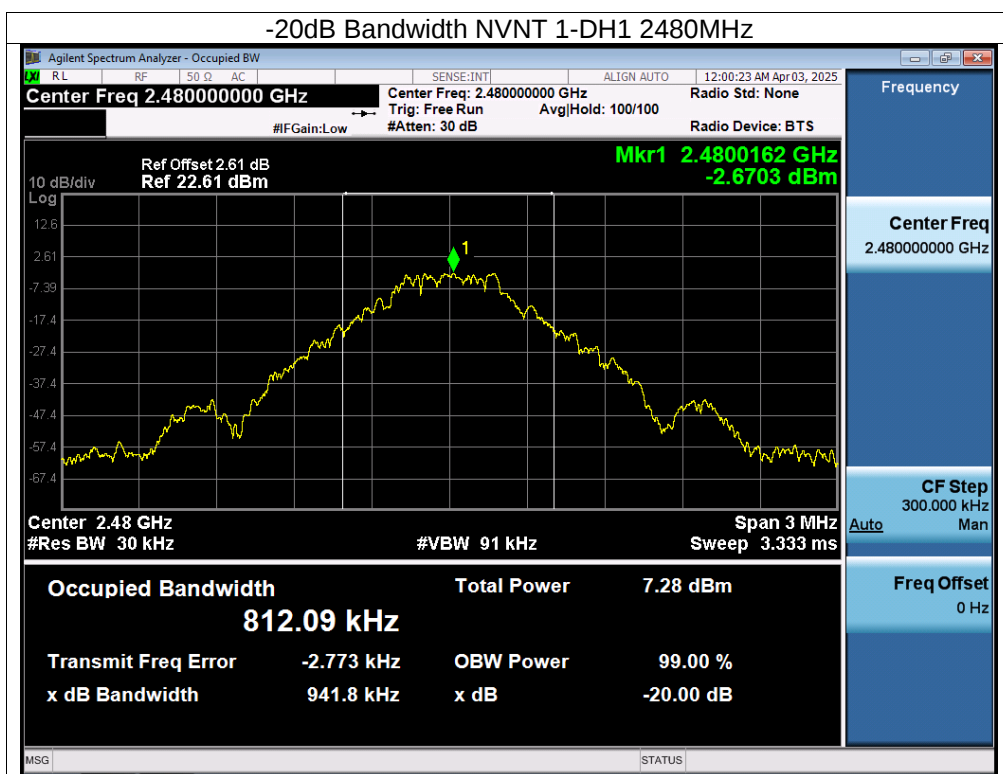
10.4 Test Result

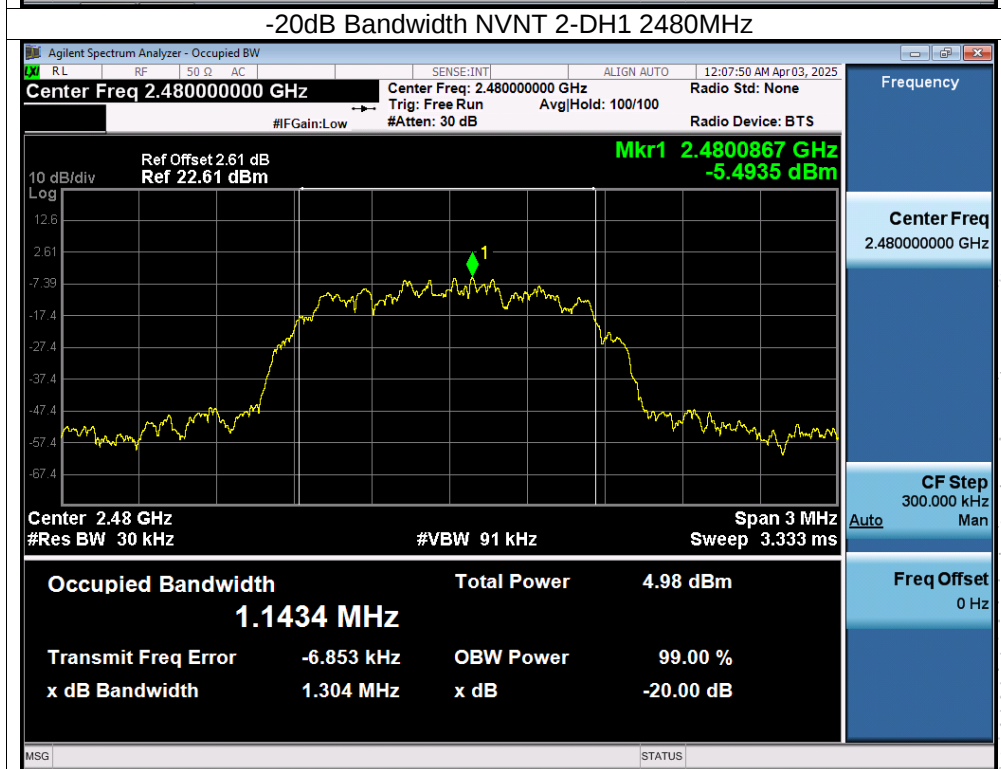
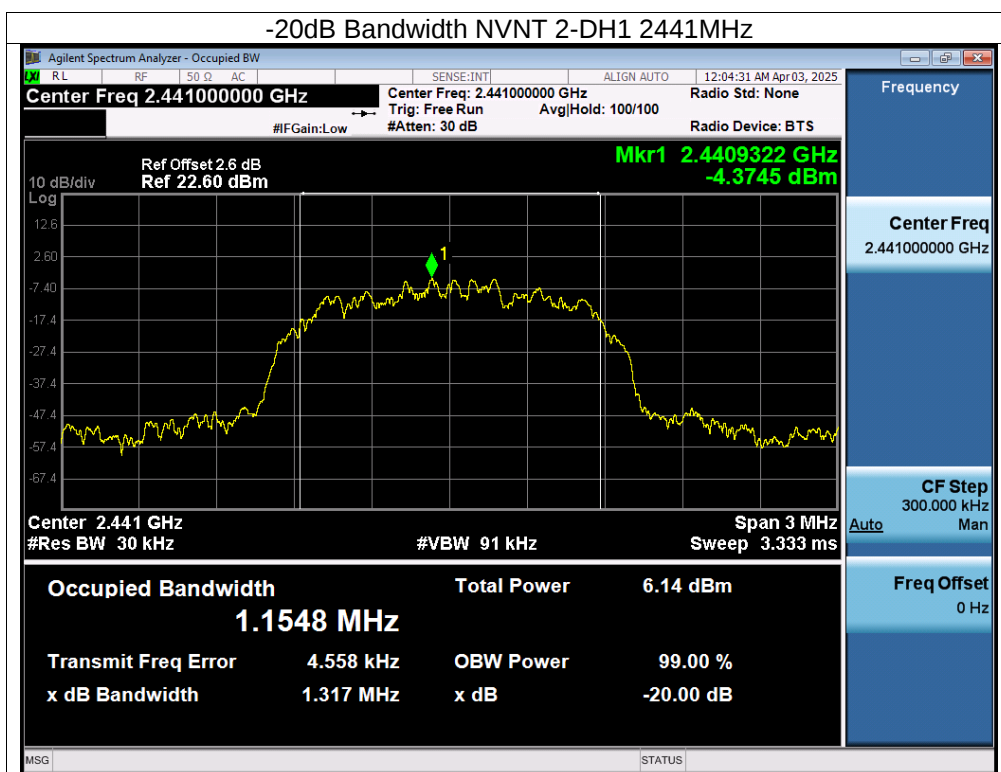
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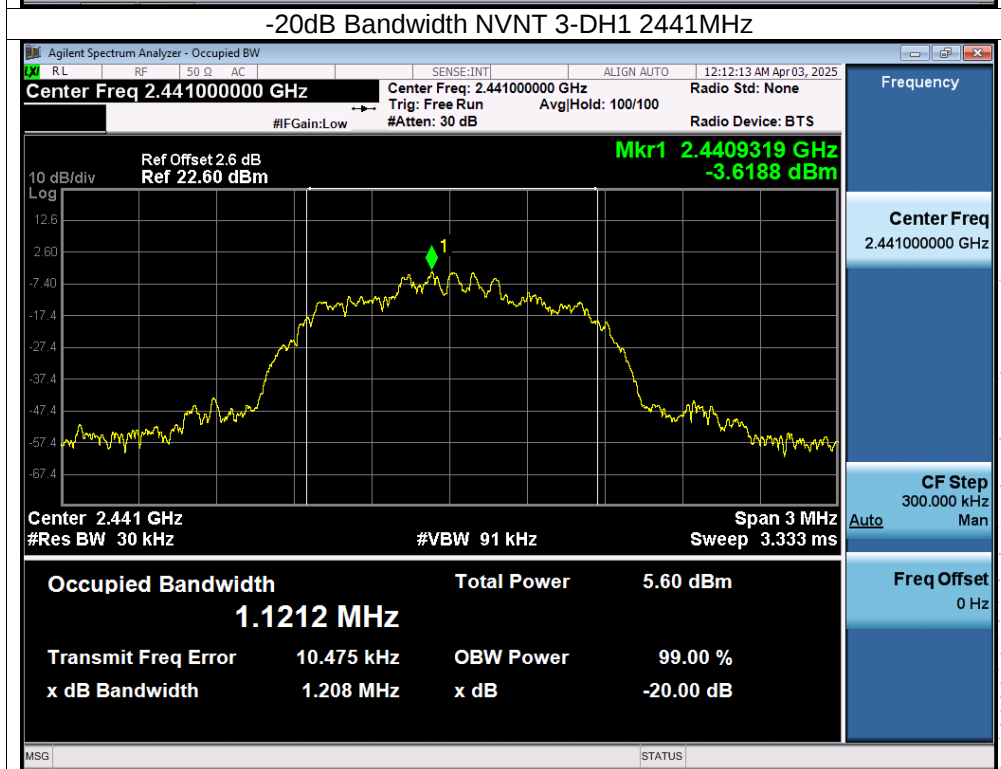
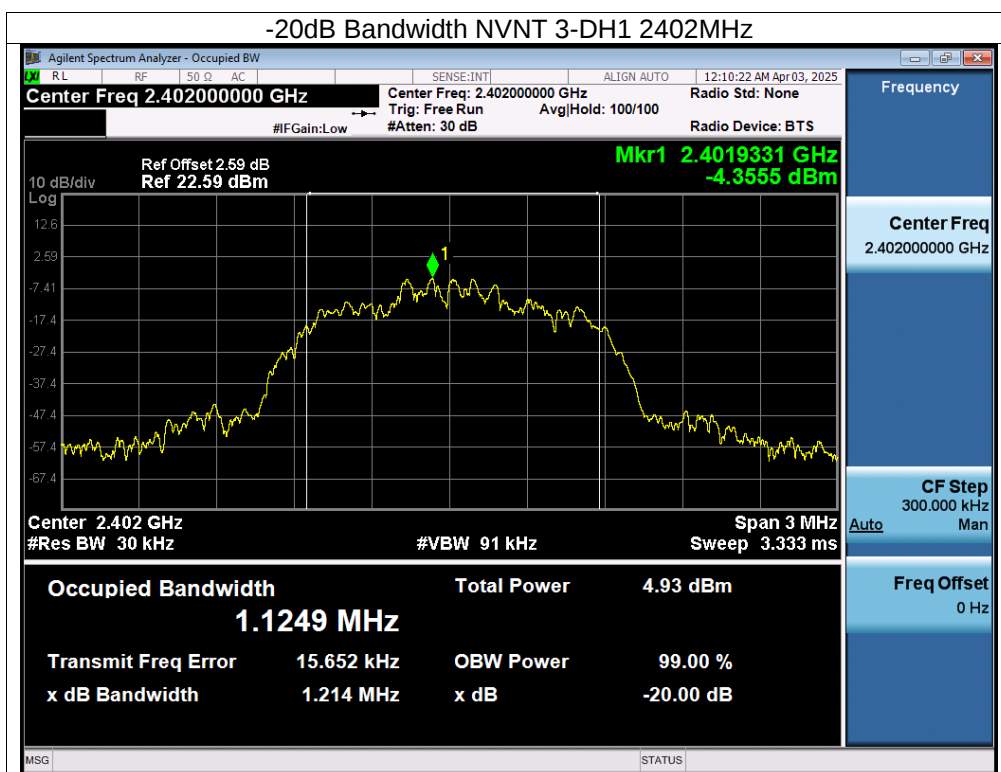
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	DC 3.7V

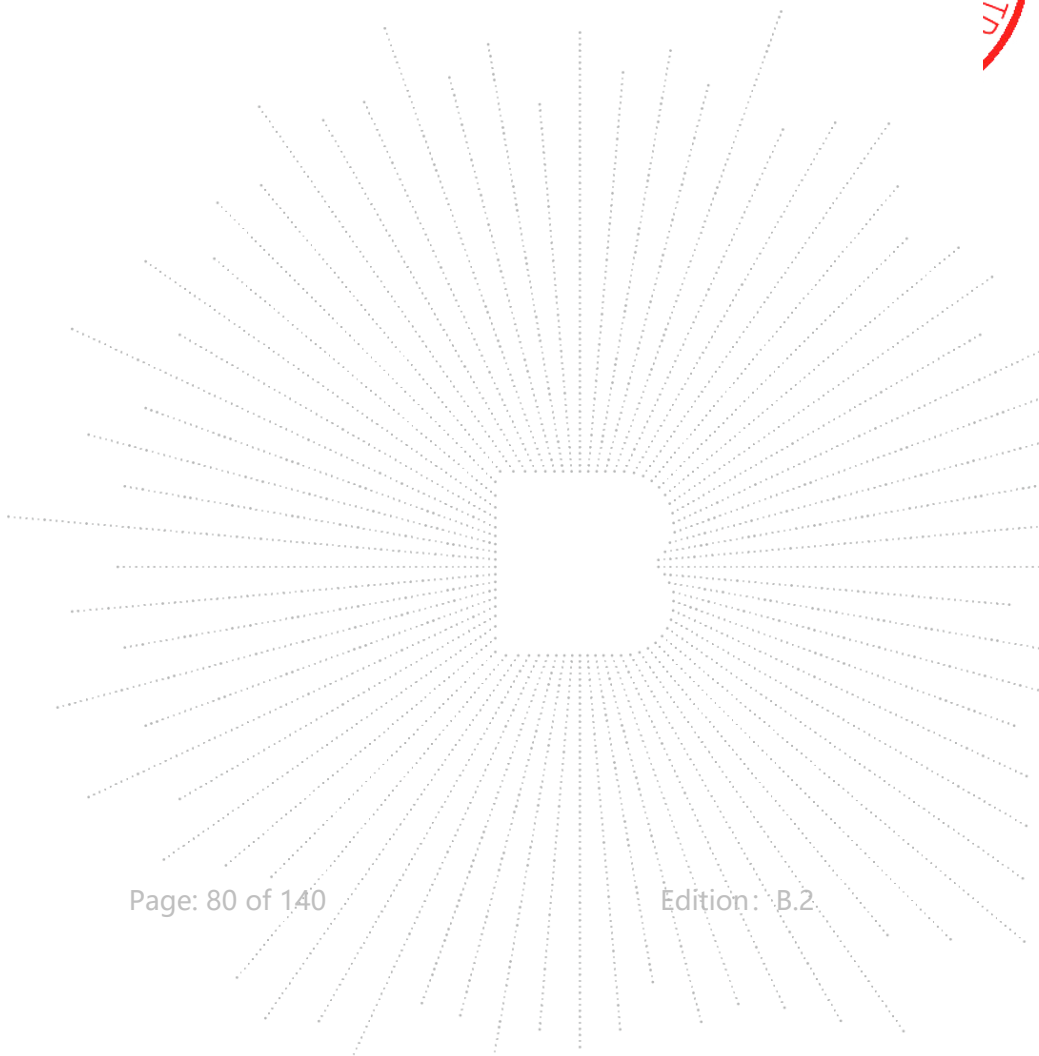
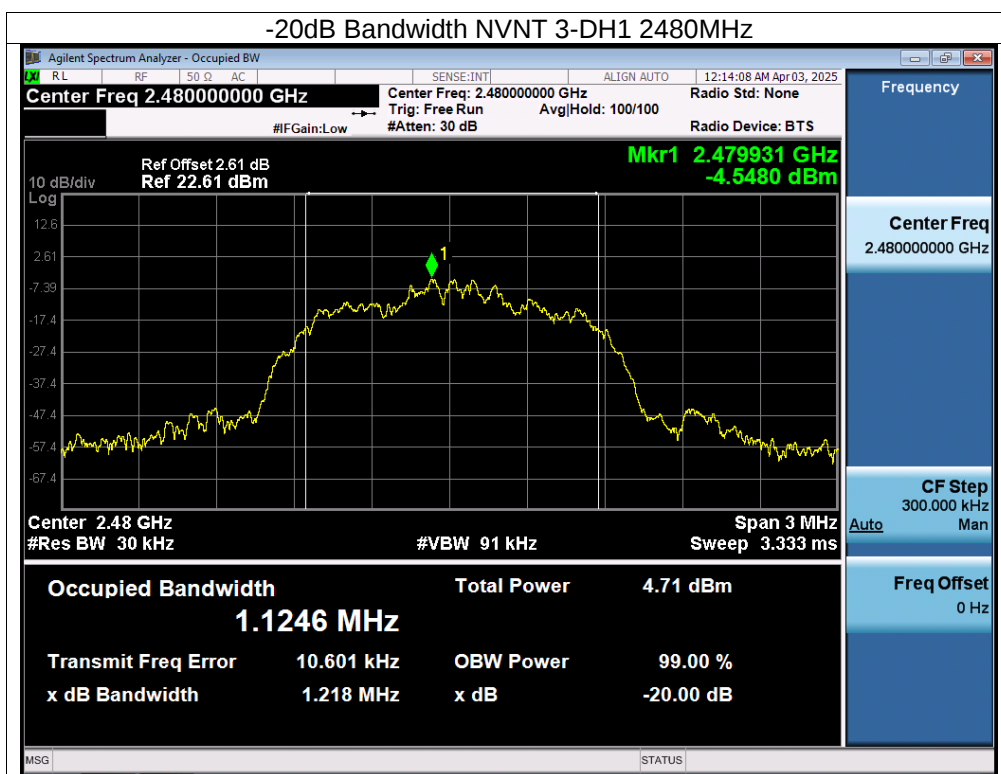
Condition	Mode	Frequency (MHz)	-20dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.939	Pass
NVNT	1-DH1	2441	0.936	Pass
NVNT	1-DH1	2480	0.942	Pass
NVNT	2-DH1	2402	1.287	Pass
NVNT	2-DH1	2441	1.317	Pass
NVNT	2-DH1	2480	1.304	Pass
NVNT	3-DH1	2402	1.214	Pass
NVNT	3-DH1	2441	1.208	Pass
NVNT	3-DH1	2480	1.218	Pass







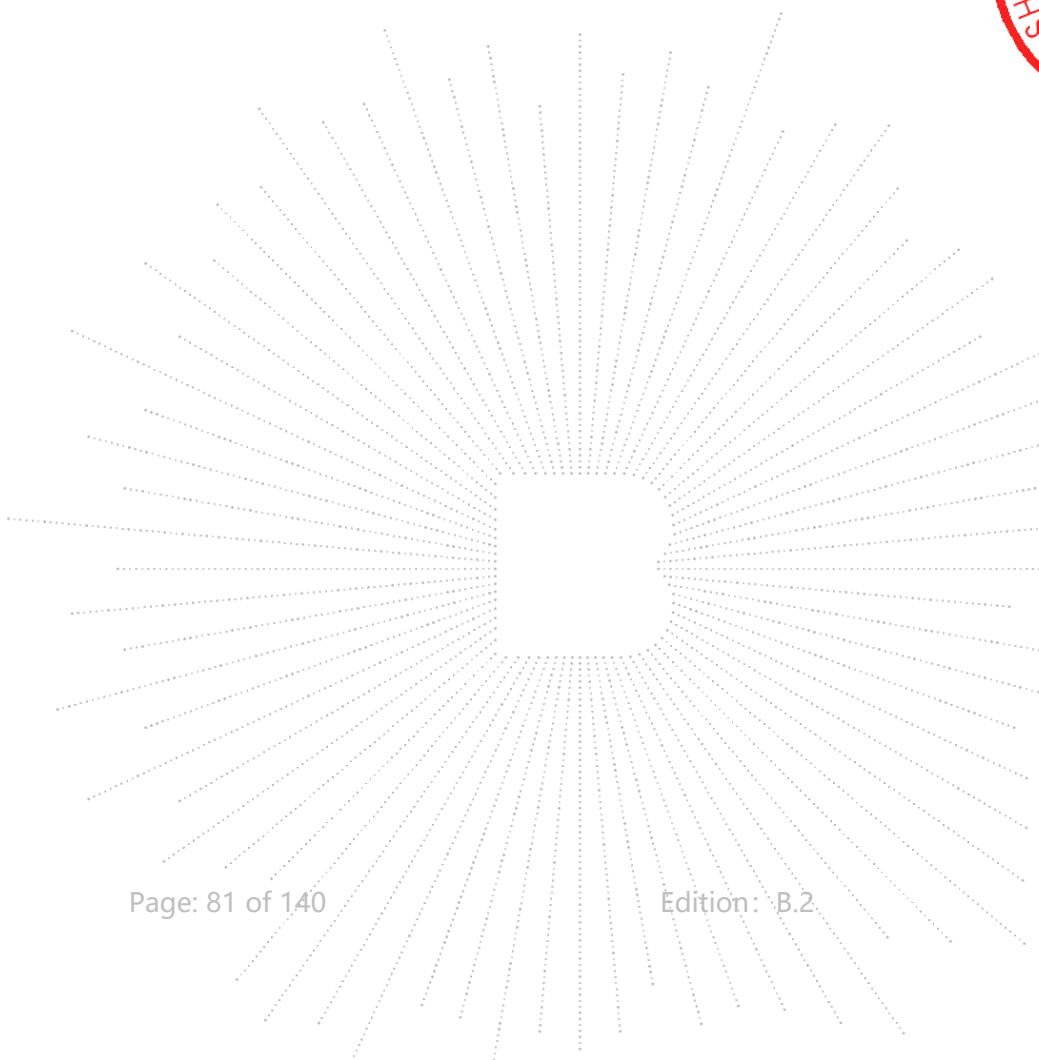




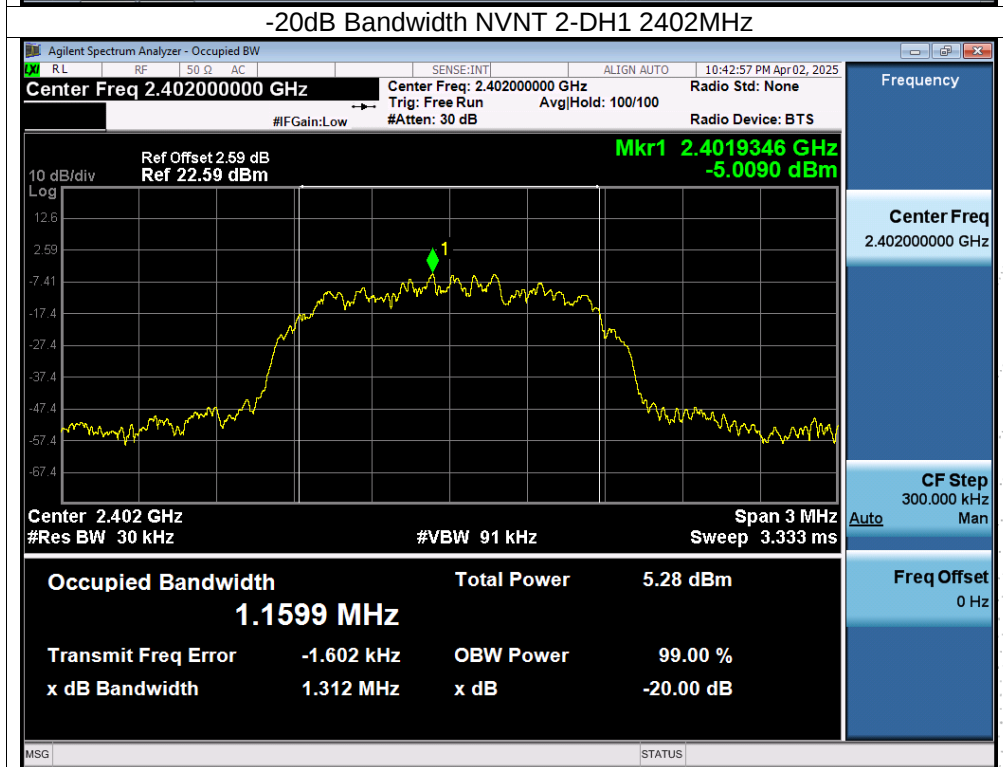
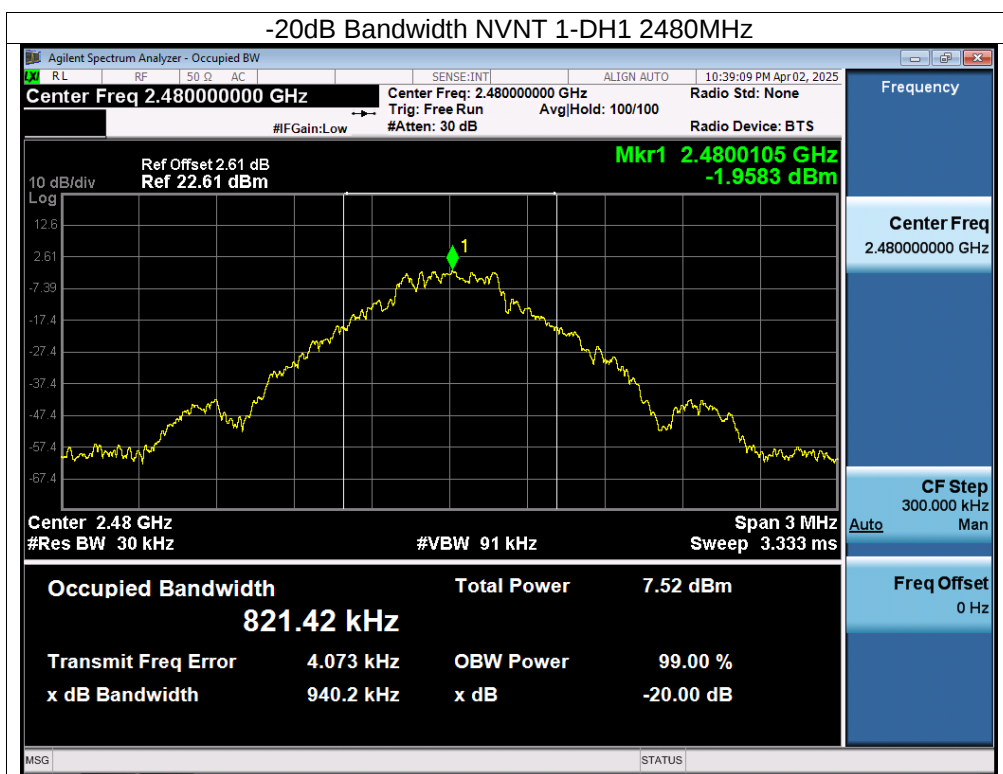
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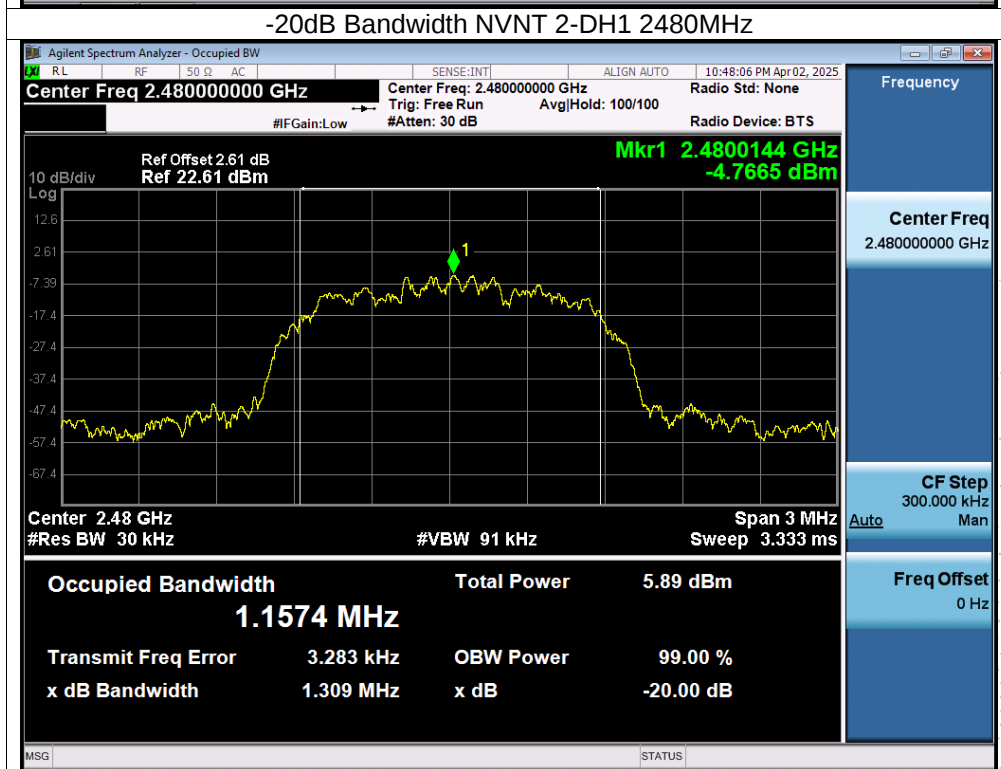
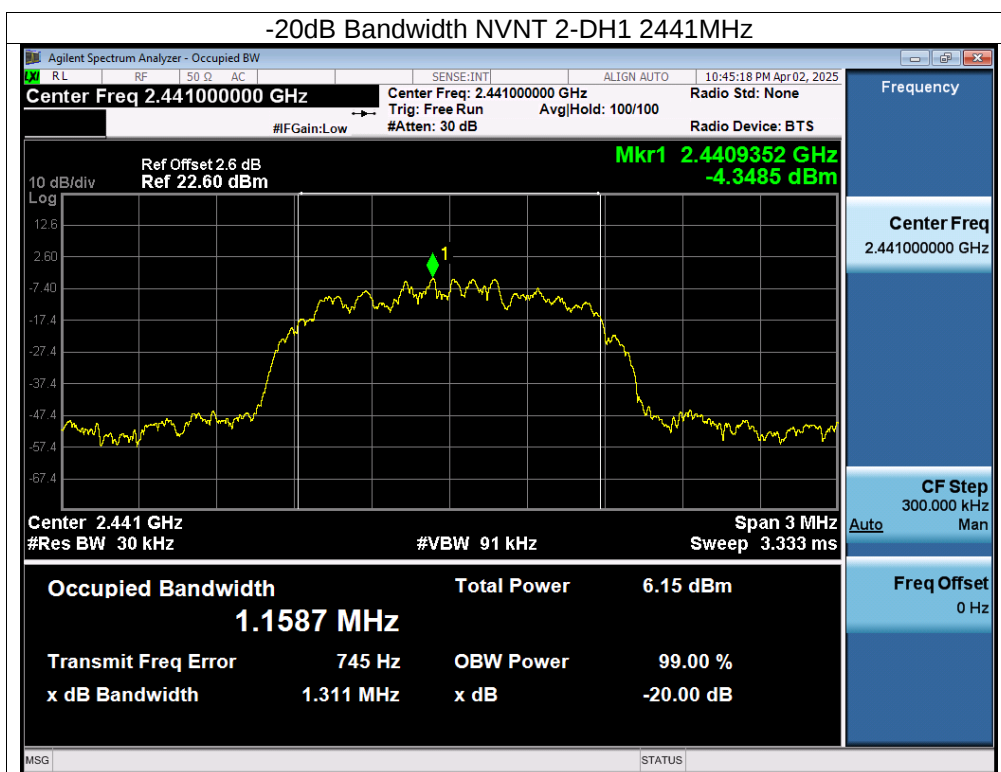
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	DC 3.7V

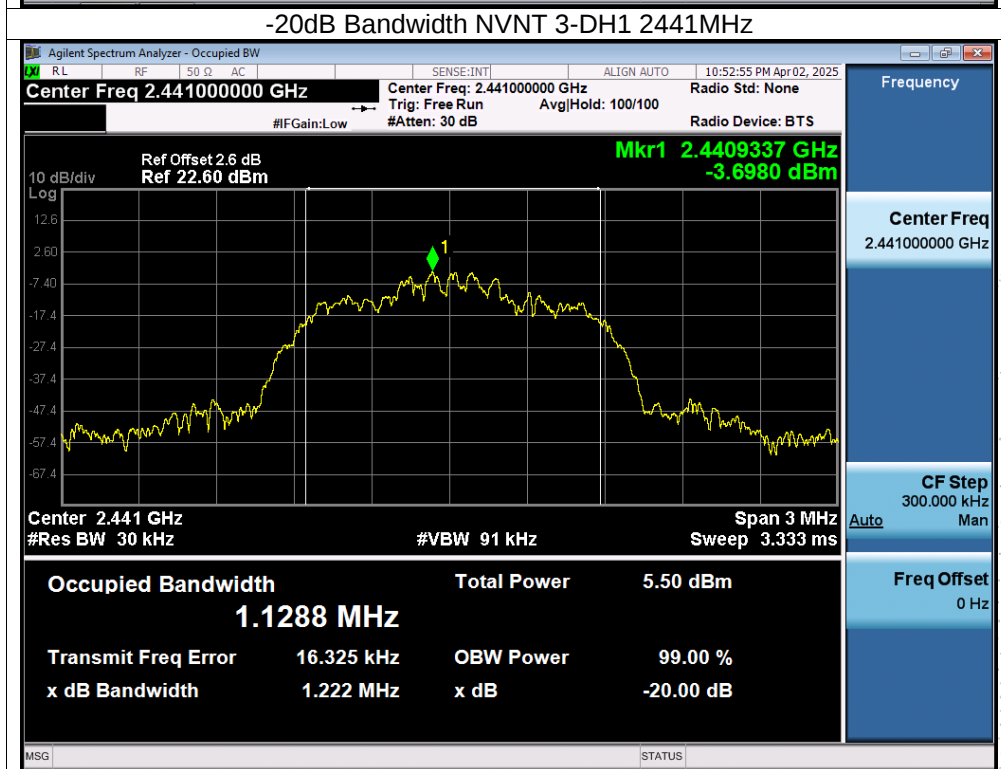
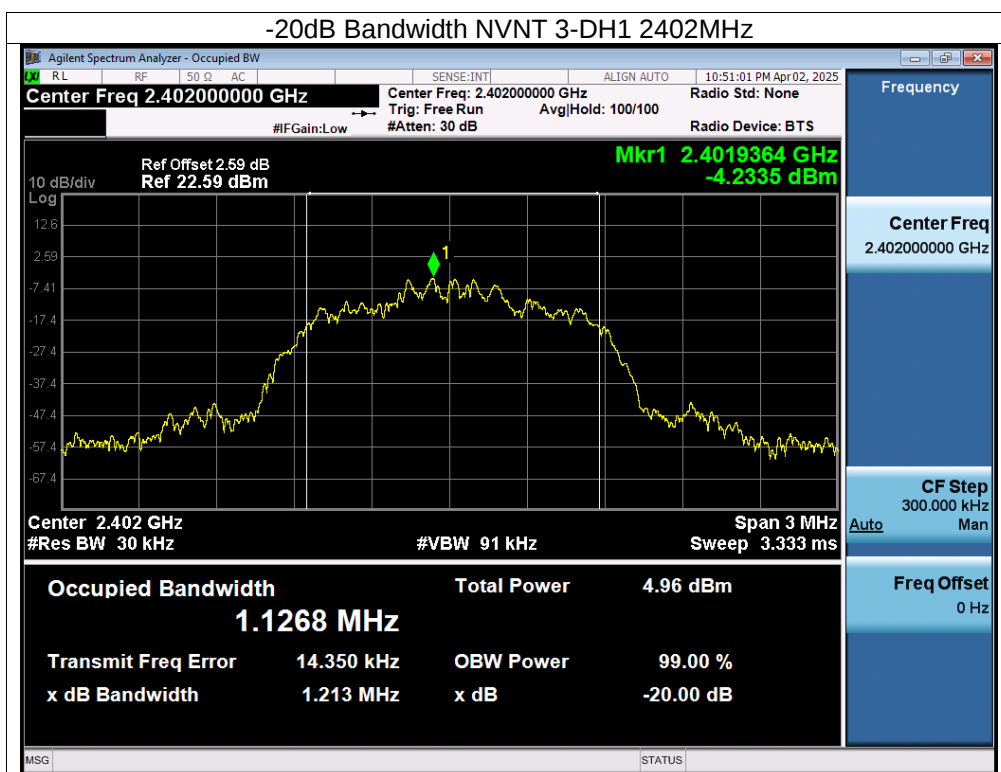
Condition	Mode	Frequency (MHz)	-20dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.818	Pass
NVNT	1-DH1	2441	0.819	Pass
NVNT	1-DH1	2480	0.824	Pass
NVNT	2-DH1	2402	1.152	Pass
NVNT	2-DH1	2441	1.167	Pass
NVNT	2-DH1	2480	1.154	Pass
NVNT	3-DH1	2402	1.129	Pass
NVNT	3-DH1	2441	1.125	Pass
NVNT	3-DH1	2480	1.120	Pass

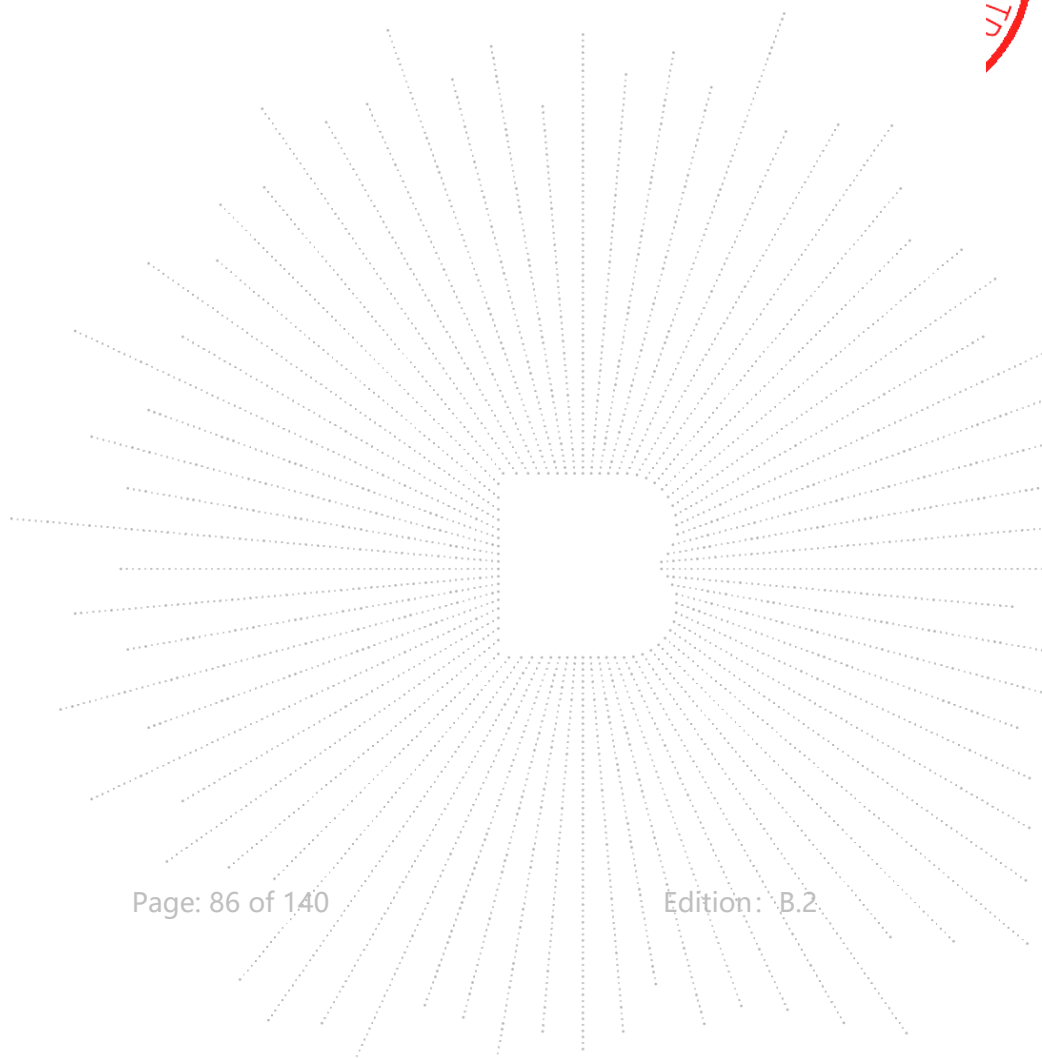
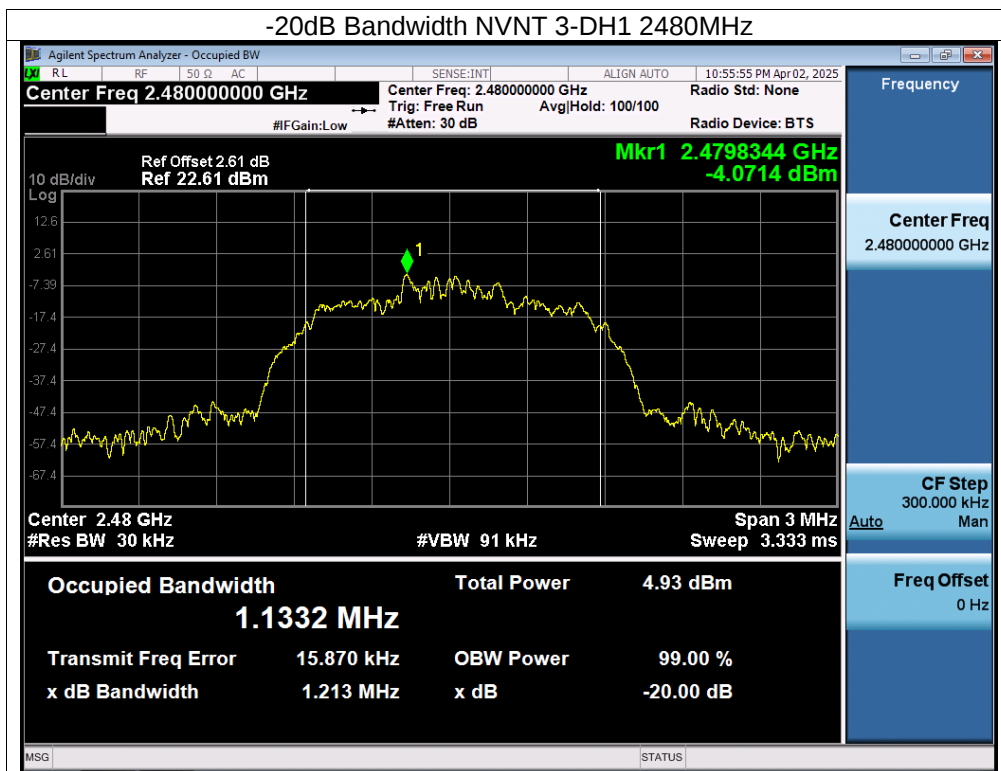













11. Maximum Peak Output Power

11.1 Block Diagram Of Test Setup



11.2 Limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	0.125 watt or 21dBm	2400-2483.5	PASS

11.3 Test procedure

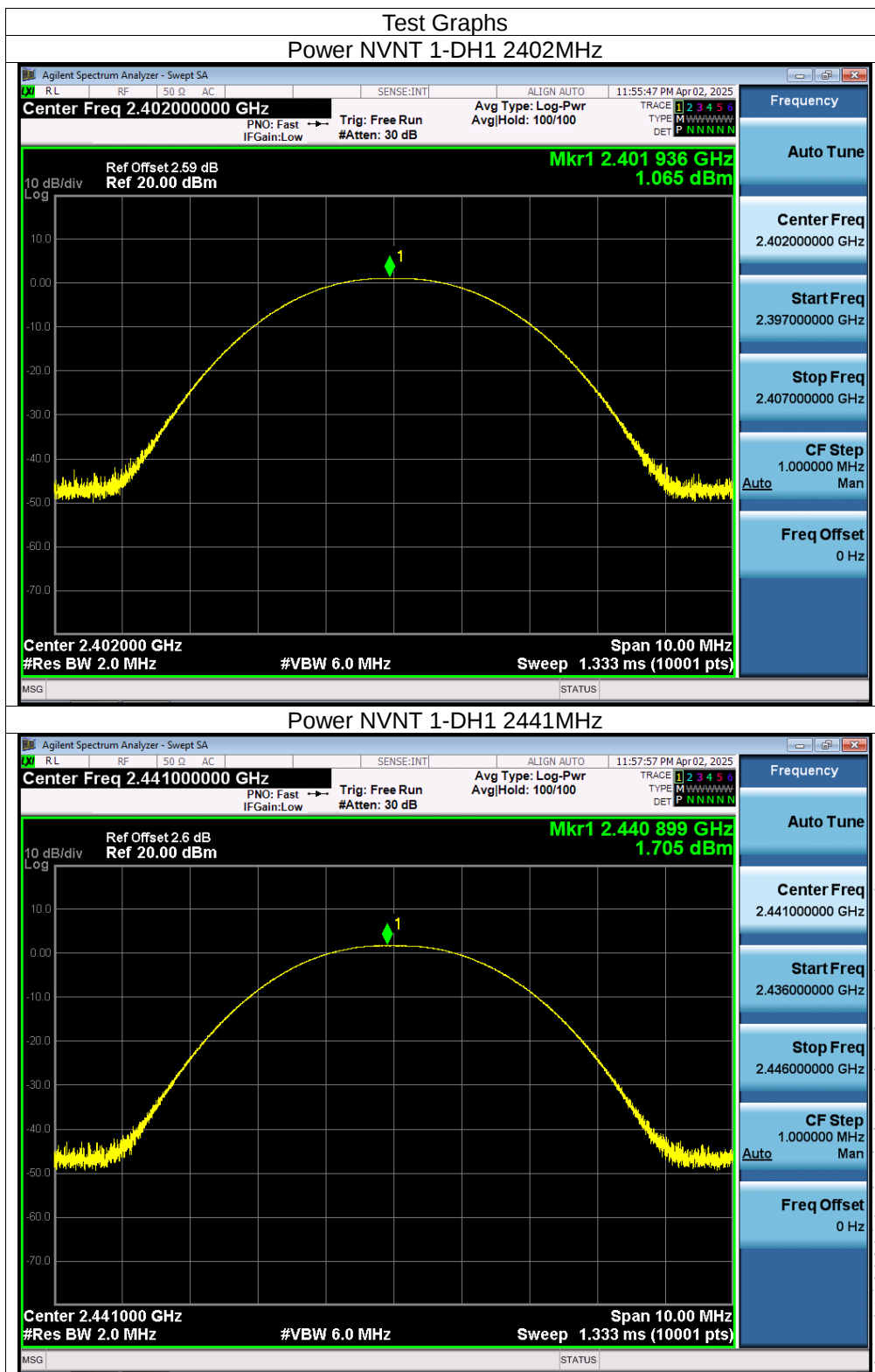
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

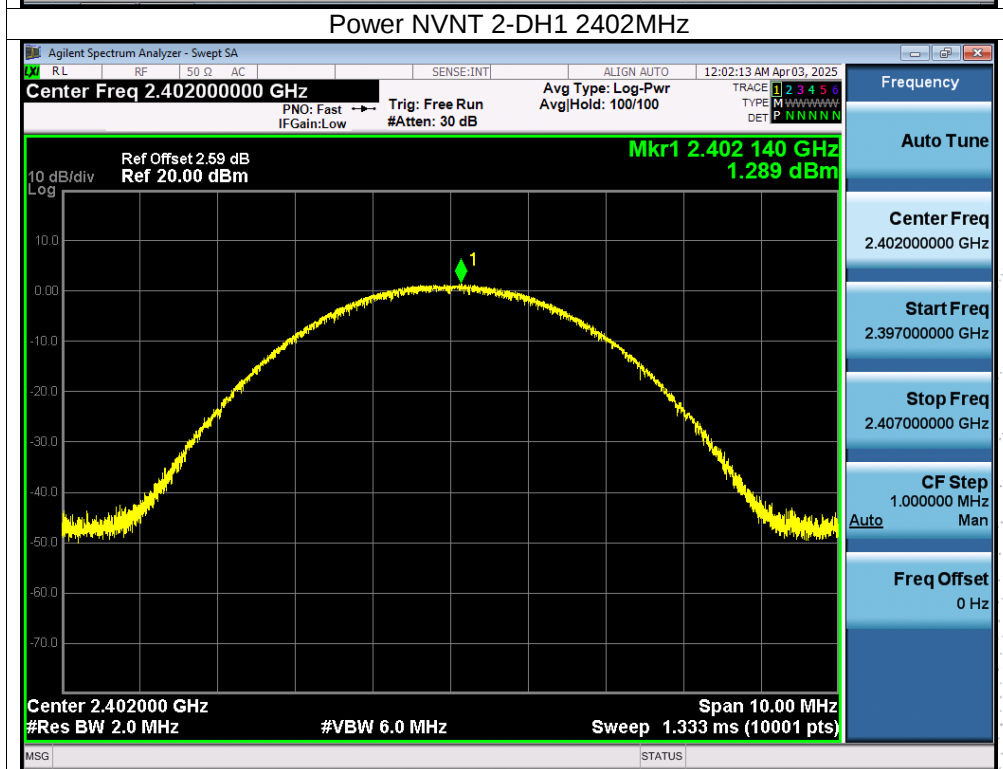
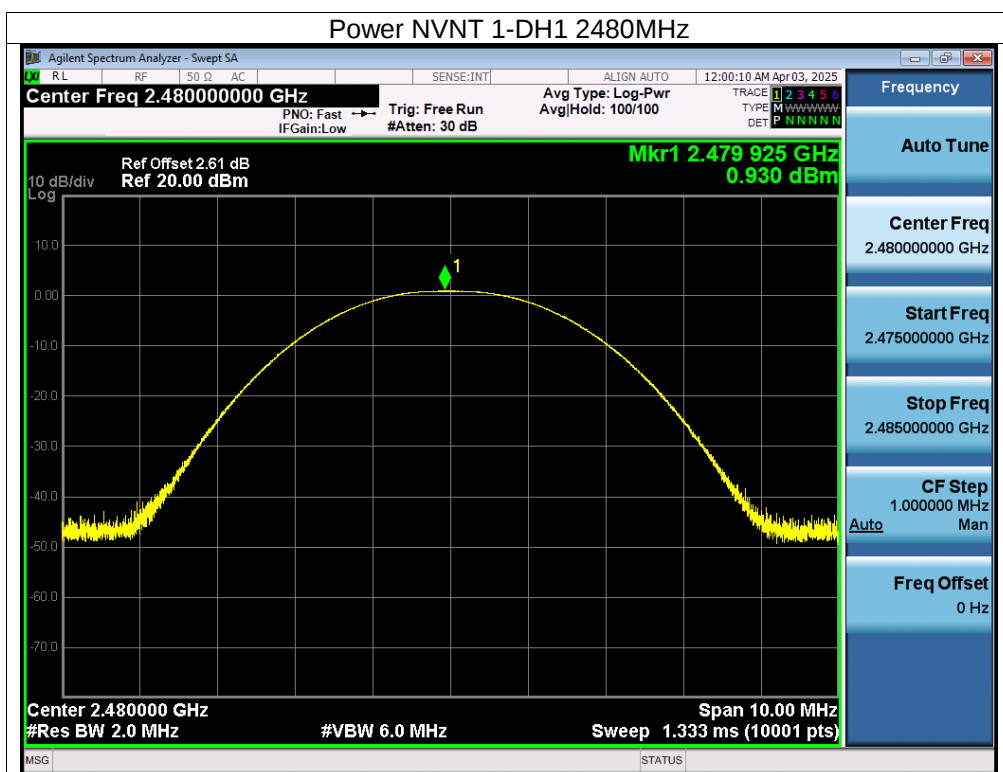
11.4 Test Result

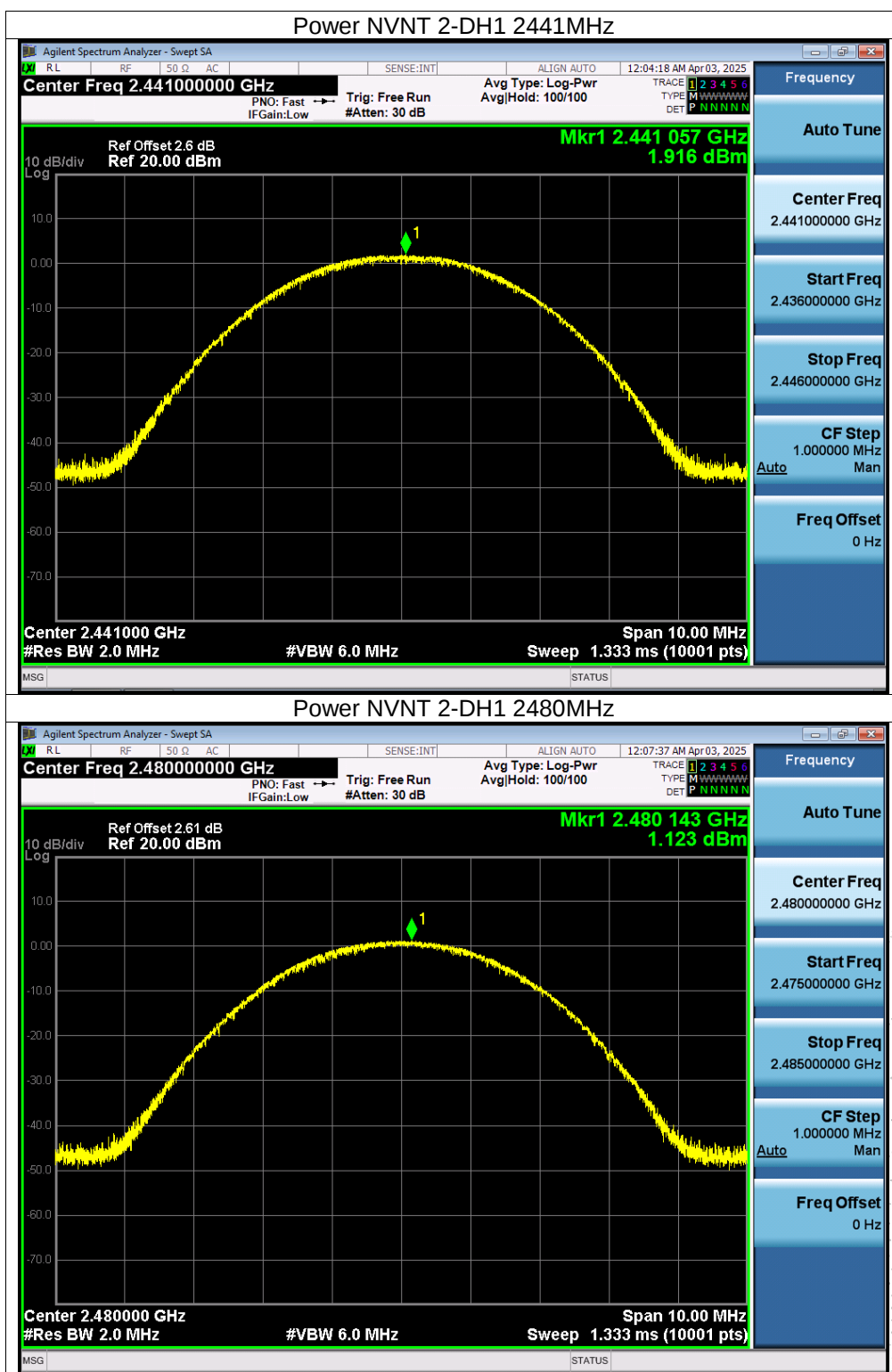
Left

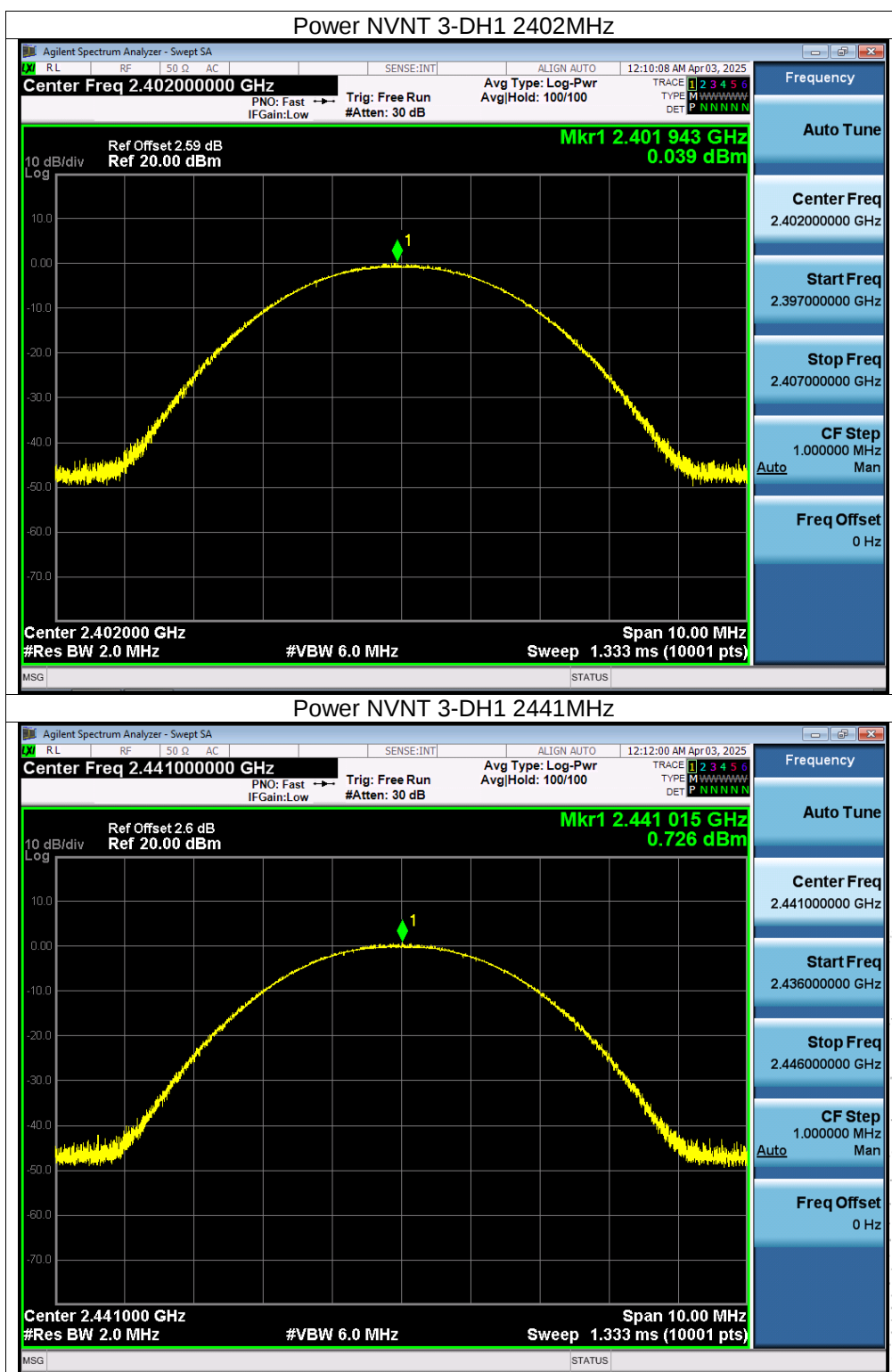
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	DC 3.7V

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	1.07	21	Pass
NVNT	1-DH1	2441	1.71	21	Pass
NVNT	1-DH1	2480	0.93	21	Pass
NVNT	2-DH1	2402	1.29	21	Pass
NVNT	2-DH1	2441	1.92	21	Pass
NVNT	2-DH1	2480	1.12	21	Pass
NVNT	3-DH1	2402	0.04	21	Pass
NVNT	3-DH1	2441	0.73	21	Pass
NVNT	3-DH1	2480	-0.06	21	Pass

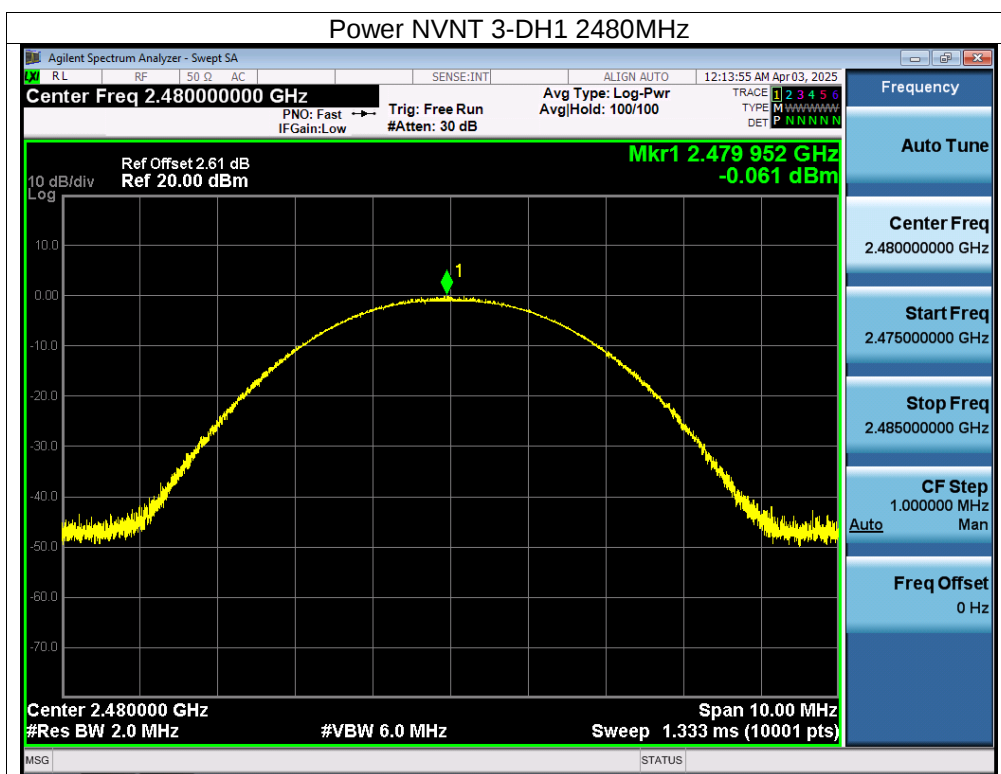








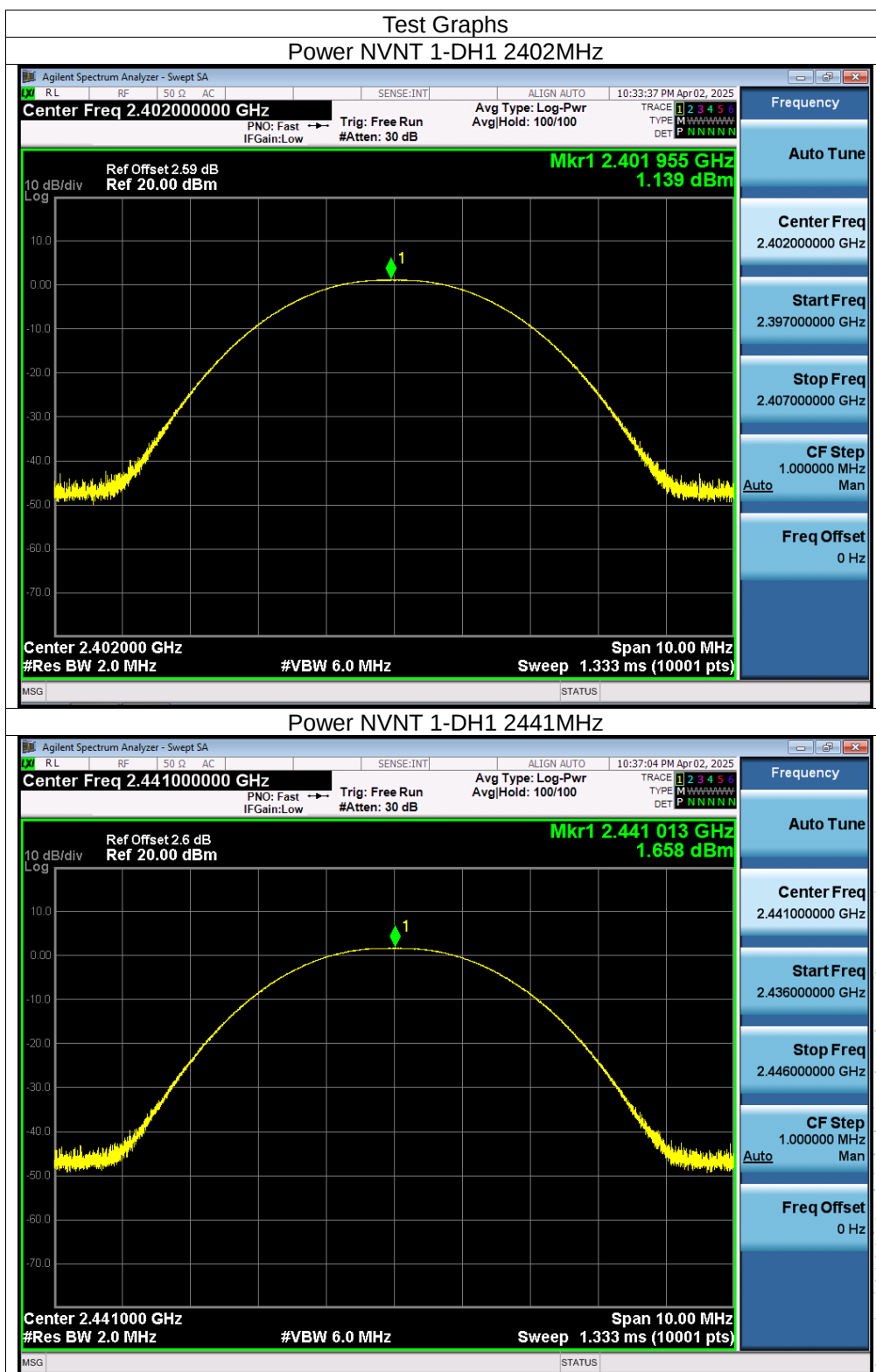
STING
ED

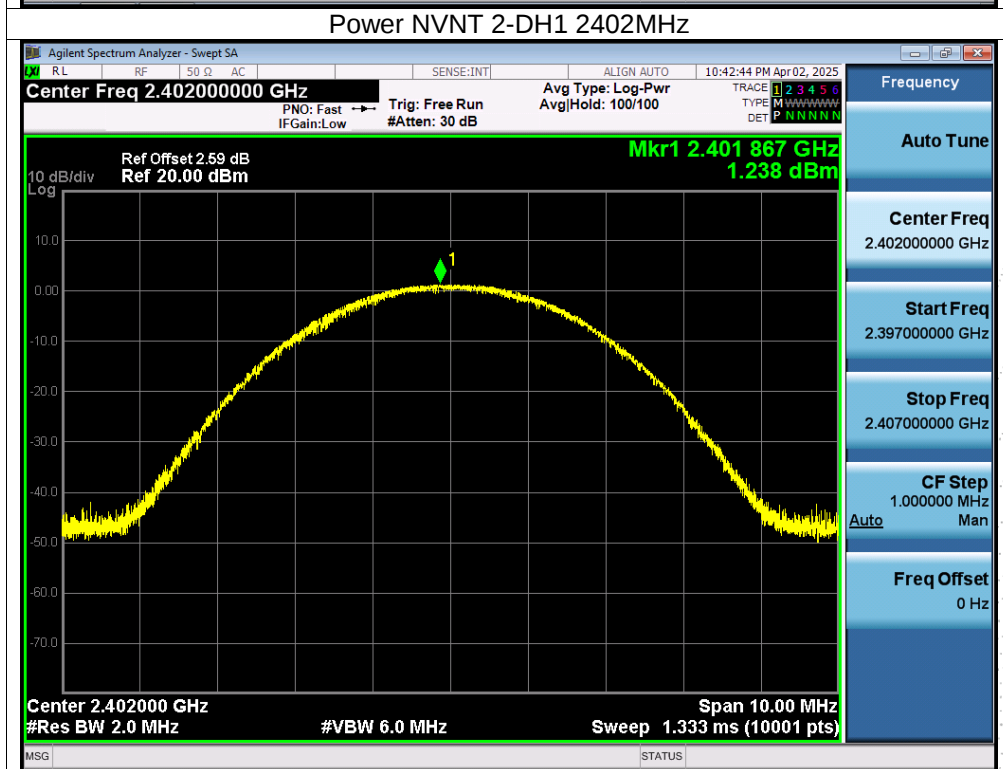
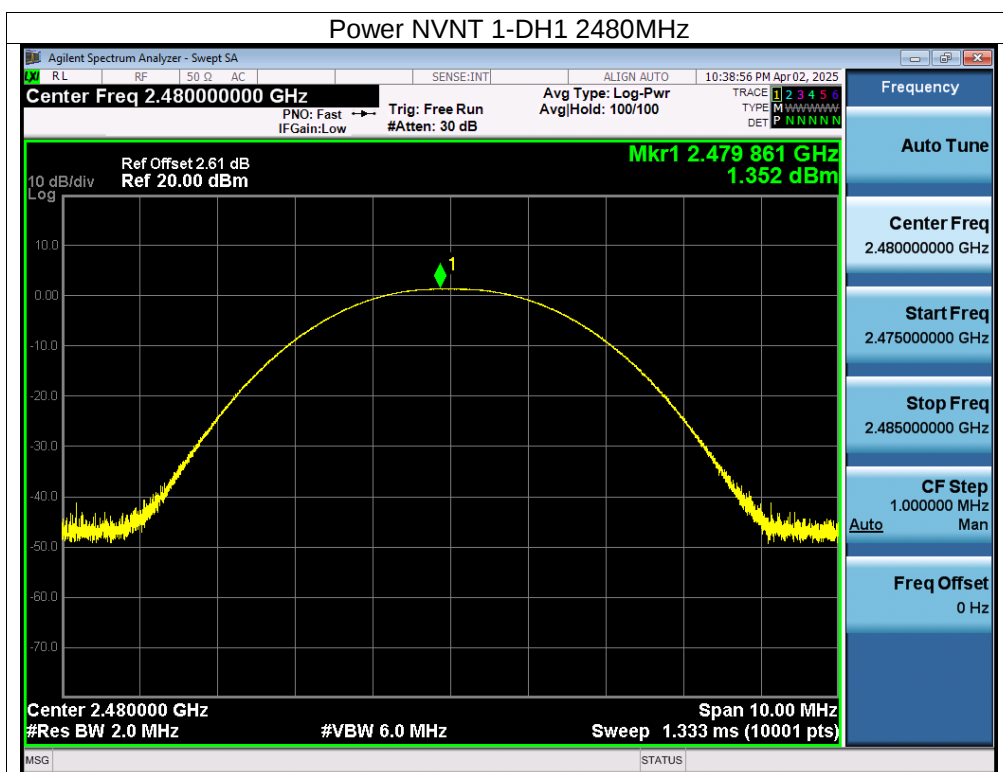


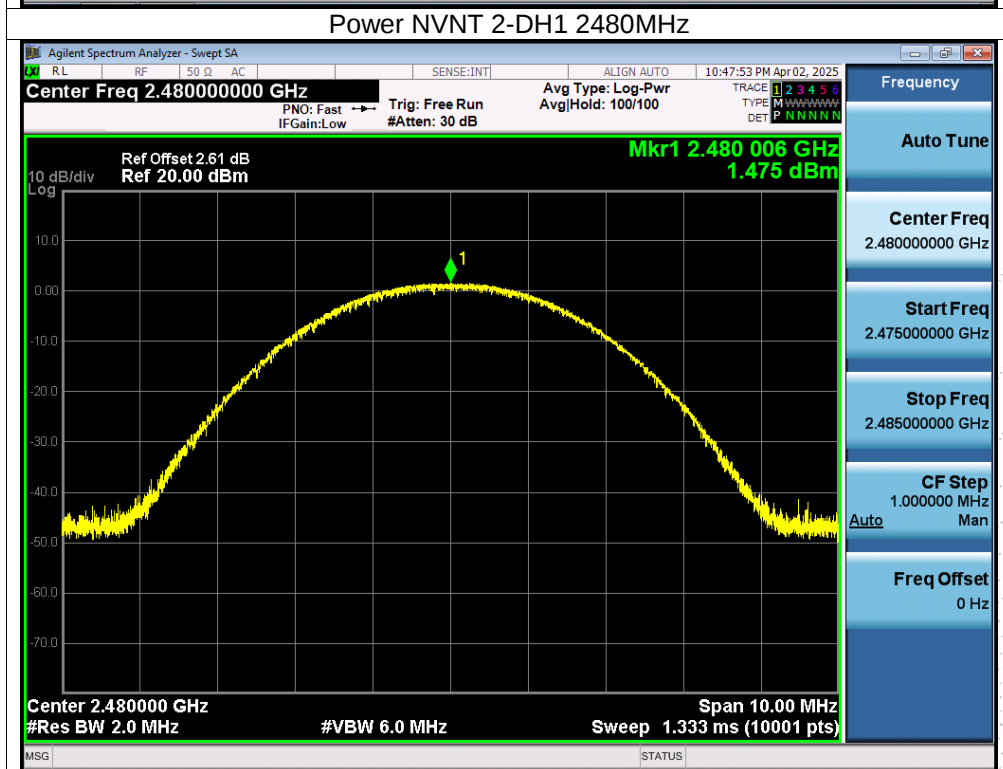
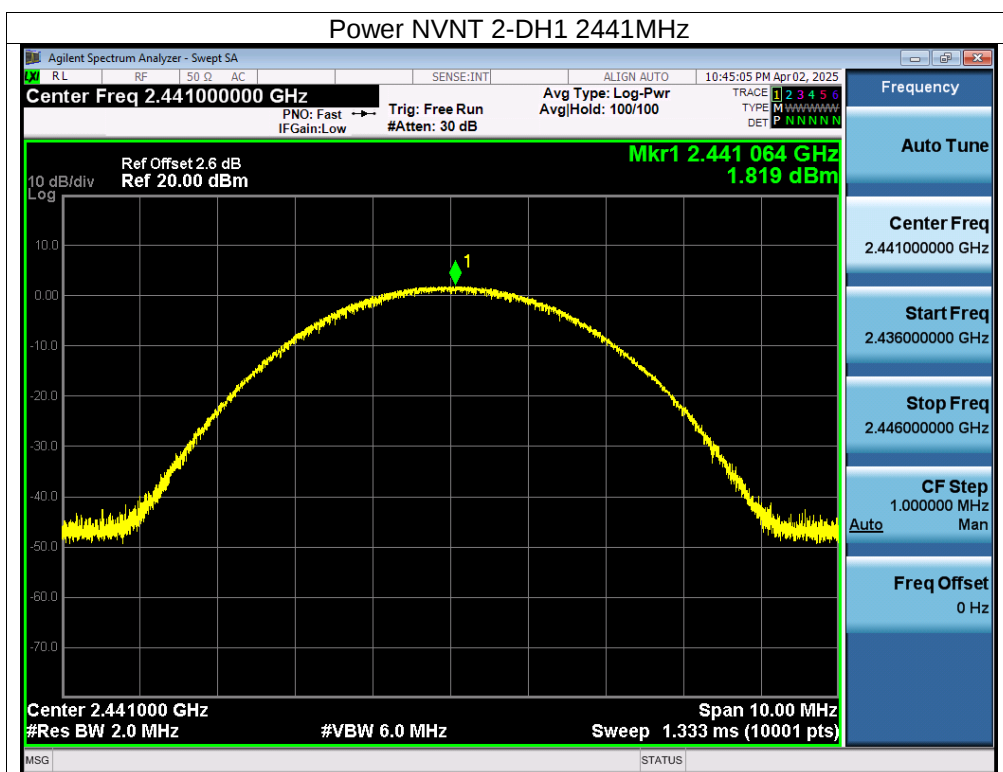
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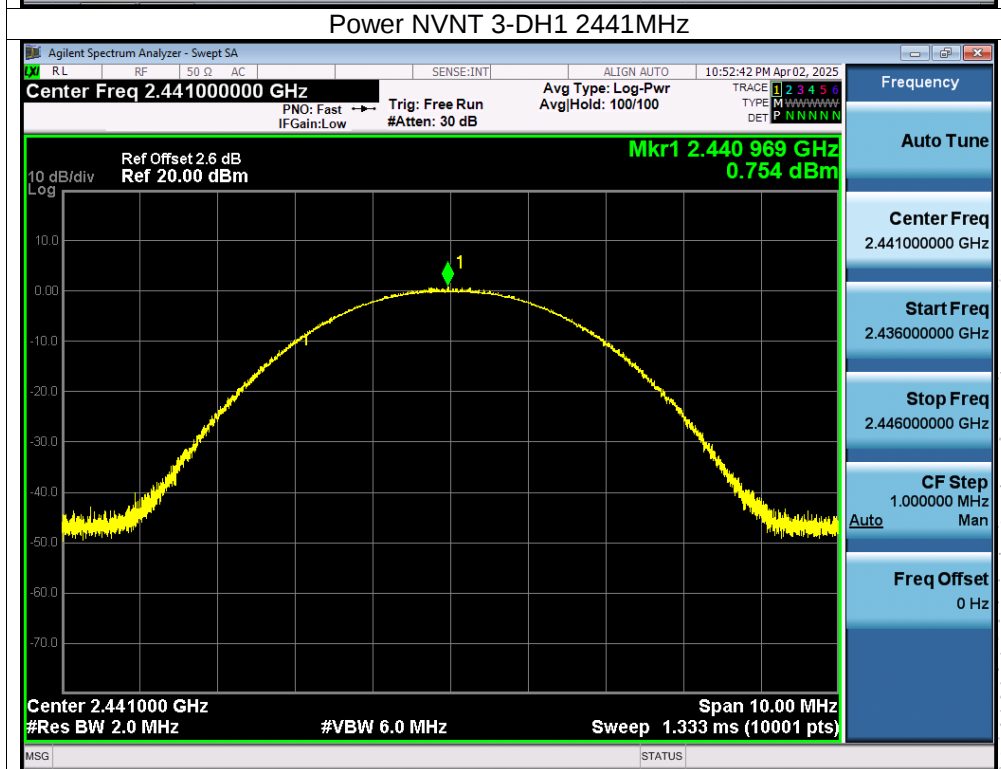
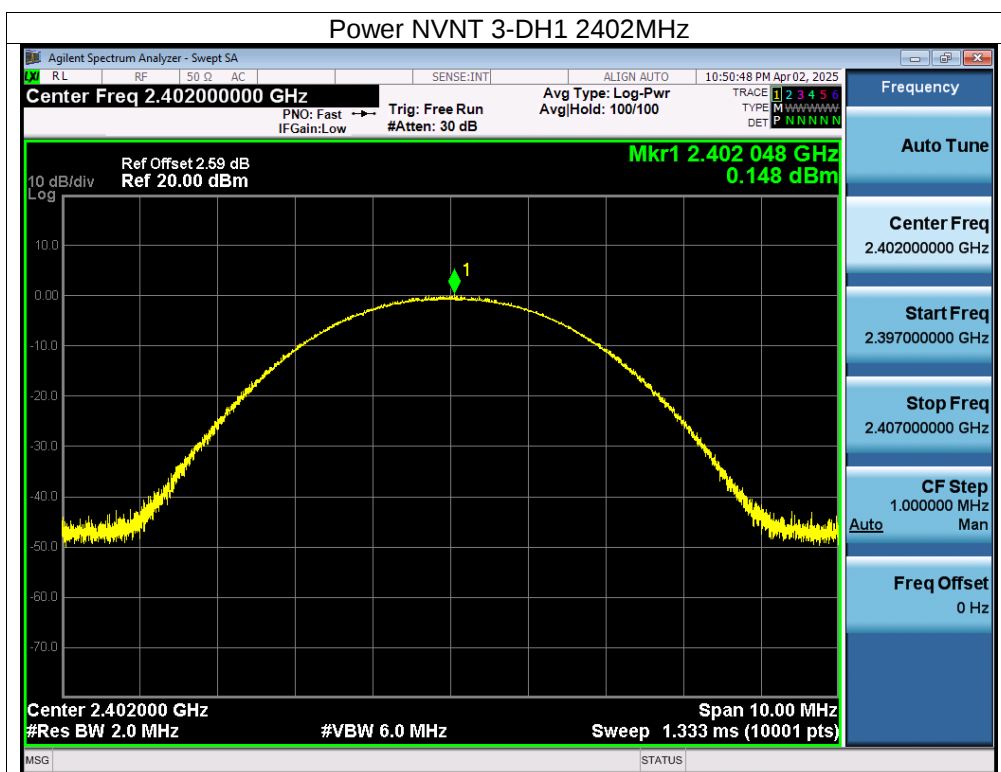
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	DC 3.7V

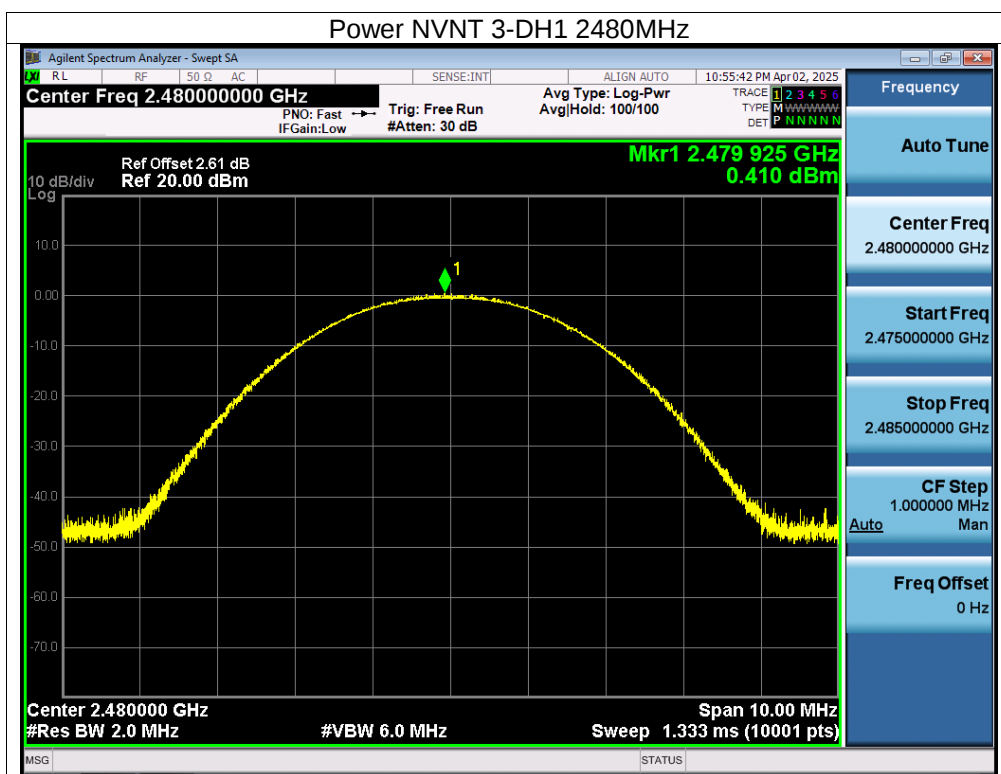
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	1.14	21	Pass
NVNT	1-DH1	2441	1.66	21	Pass
NVNT	1-DH1	2480	1.35	21	Pass
NVNT	2-DH1	2402	1.24	21	Pass
NVNT	2-DH1	2441	1.82	21	Pass
NVNT	2-DH1	2480	1.48	21	Pass
NVNT	3-DH1	2402	0.15	21	Pass
NVNT	3-DH1	2441	0.75	21	Pass
NVNT	3-DH1	2480	0.41	21	Pass











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12. Hopping Channel Separation

12.1 Block Diagram Of Test Setup



12.2 Limit

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 0.125W.

12.3 Test 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 = 30kHz. VBW = 100kHz , Span = 2.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

12.4 Test Result

Left

Mode	Test Channel	Separation (MHz)	Limit(MHz)	Result
1-DH1	Low	1.004	0.626	PASS
1-DH1	Middle	0.998	0.624	PASS
1-DH1	High	0.998	0.628	PASS
2-DH1	Low	0.996	0.858	PASS
2-DH1	Middle	1.000	0.878	PASS
2-DH1	High	1.002	0.869	PASS
3-DH1	Low	0.998	0.809	PASS
3-DH1	Middle	1.000	0.805	PASS
3-DH1	High	1.000	0.812	PASS

Test Graphs

CFS NVNT 1-DH1 2402MHz



CFS NVNT 1-DH1 2441MHz

