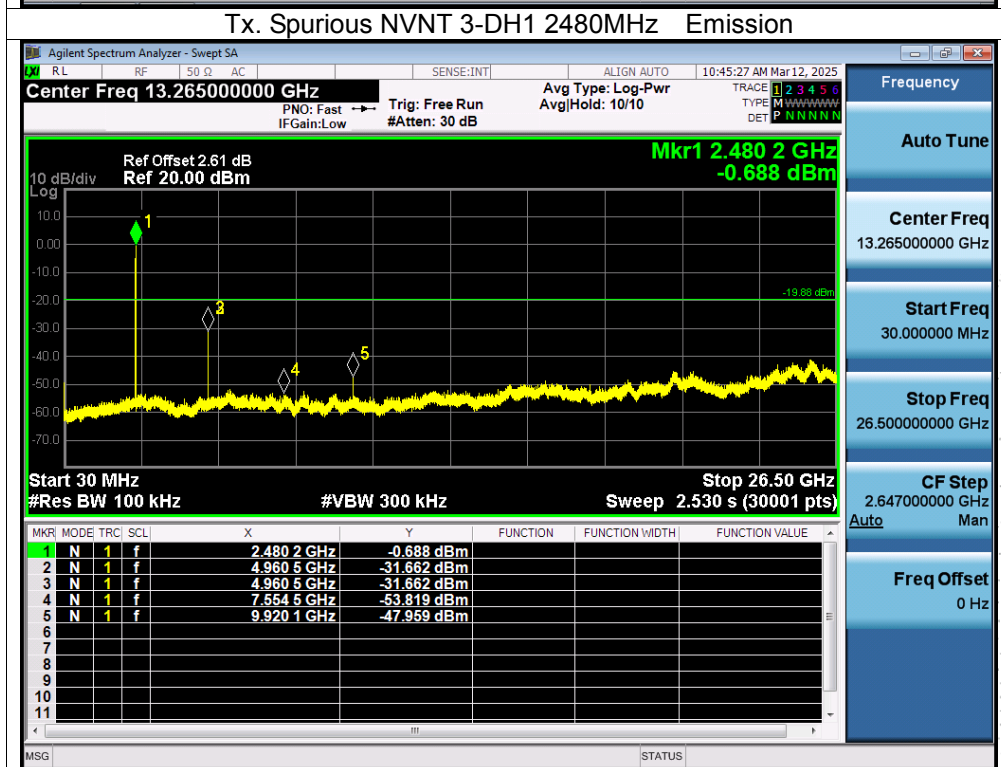
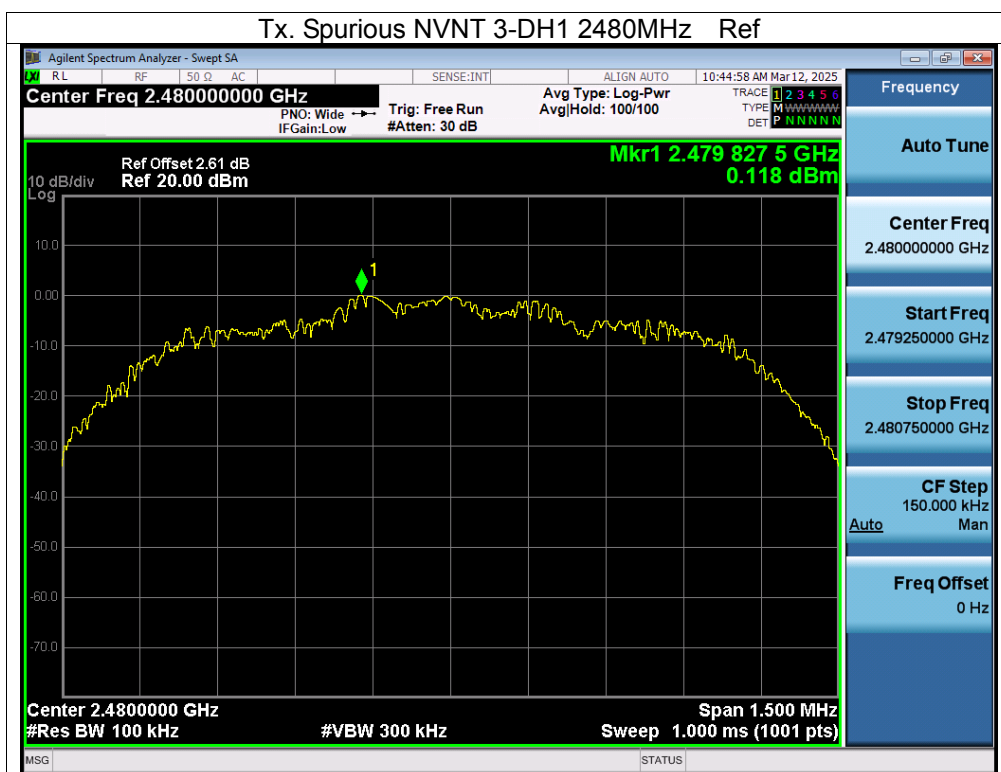
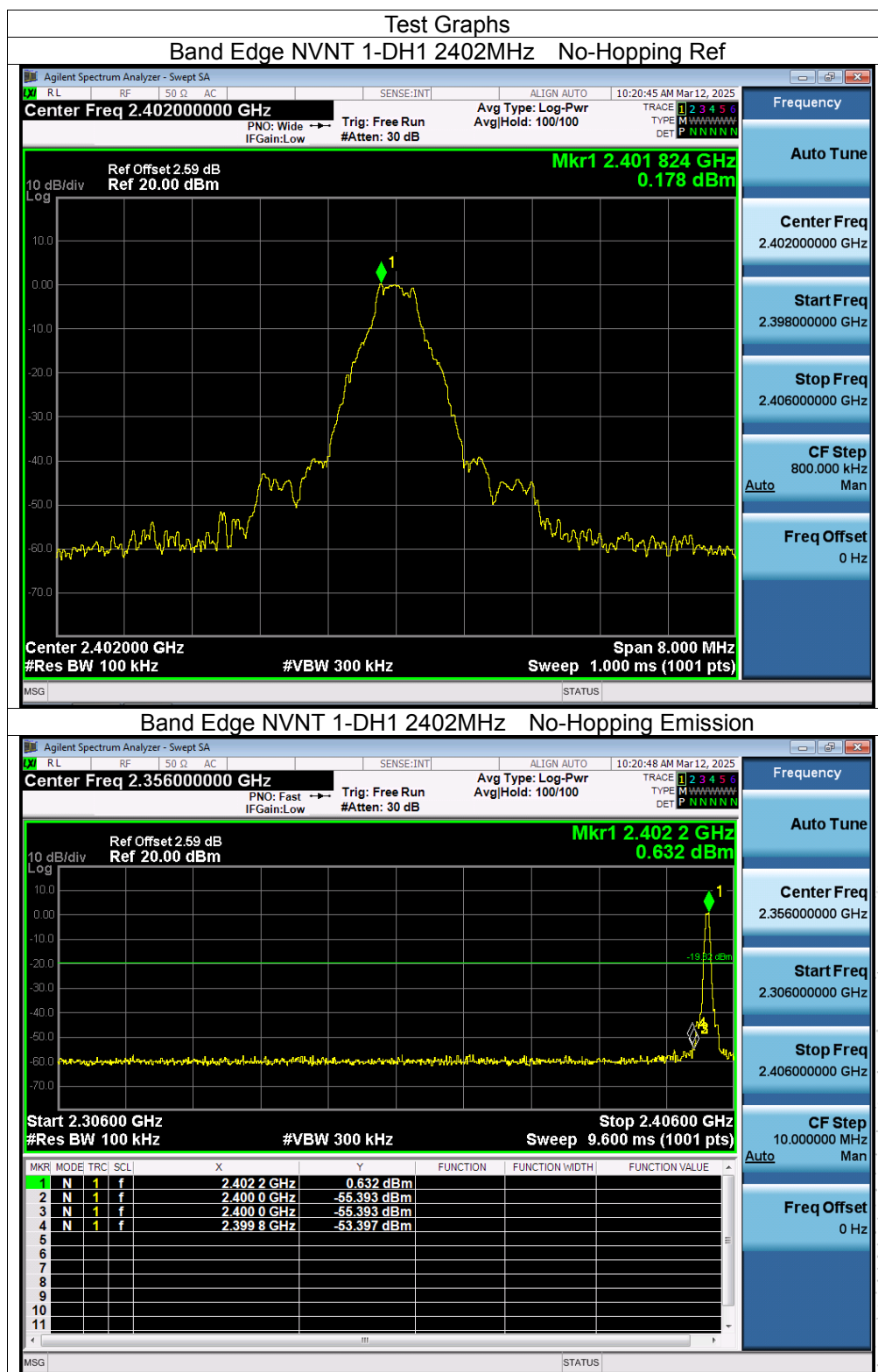
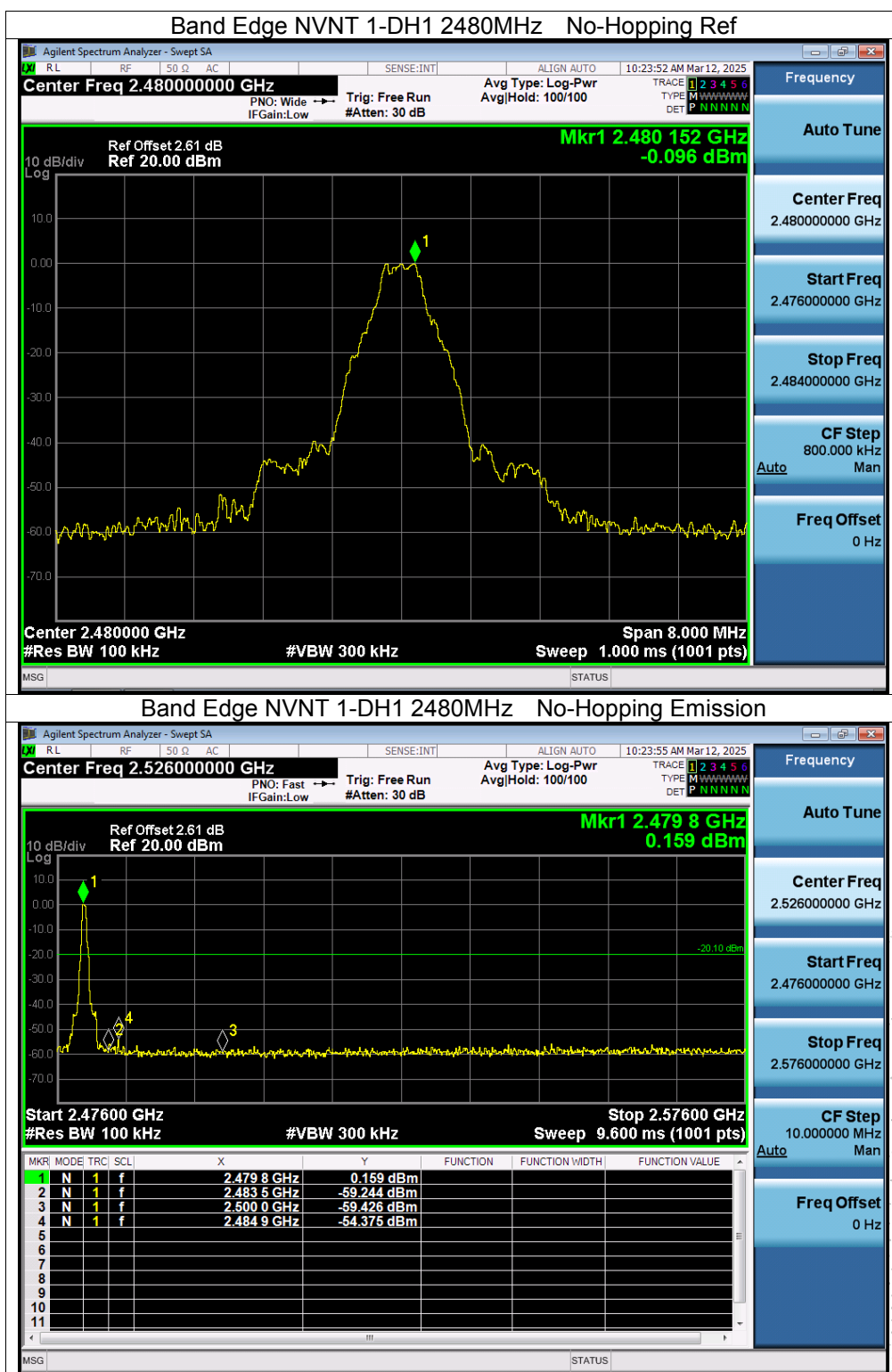
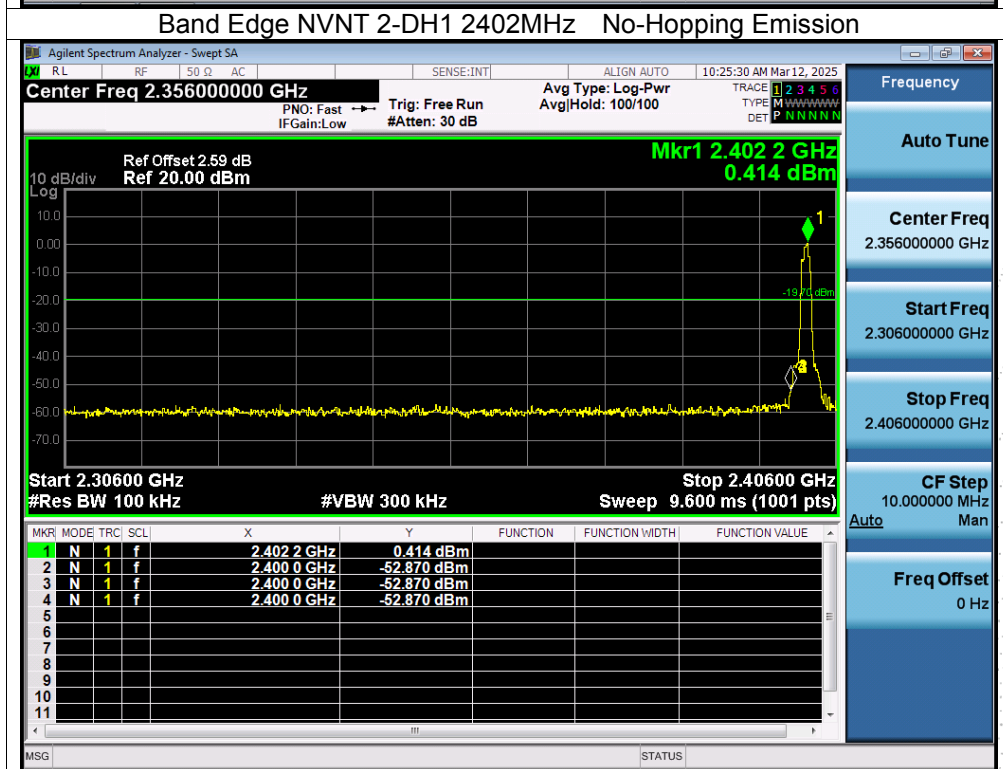
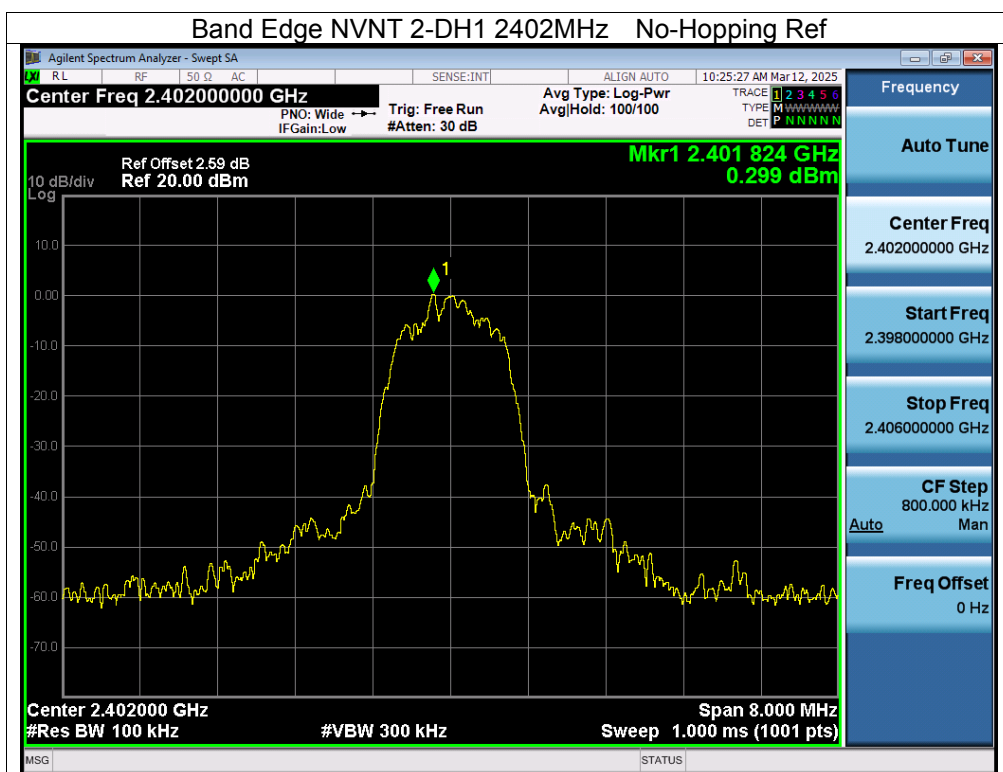
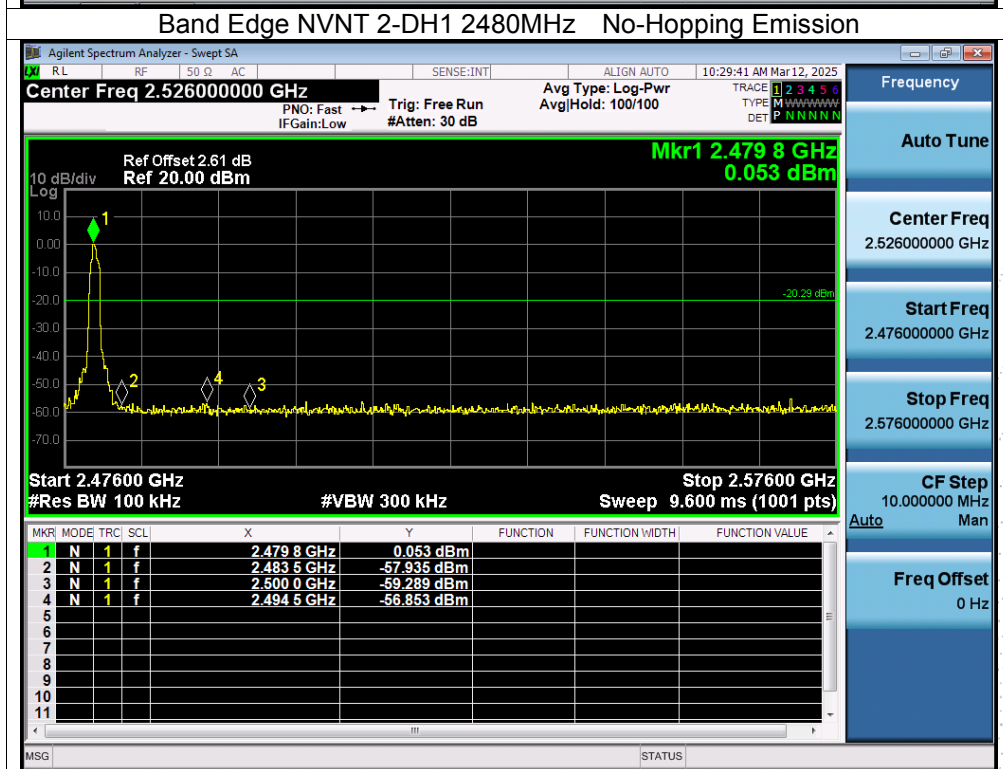
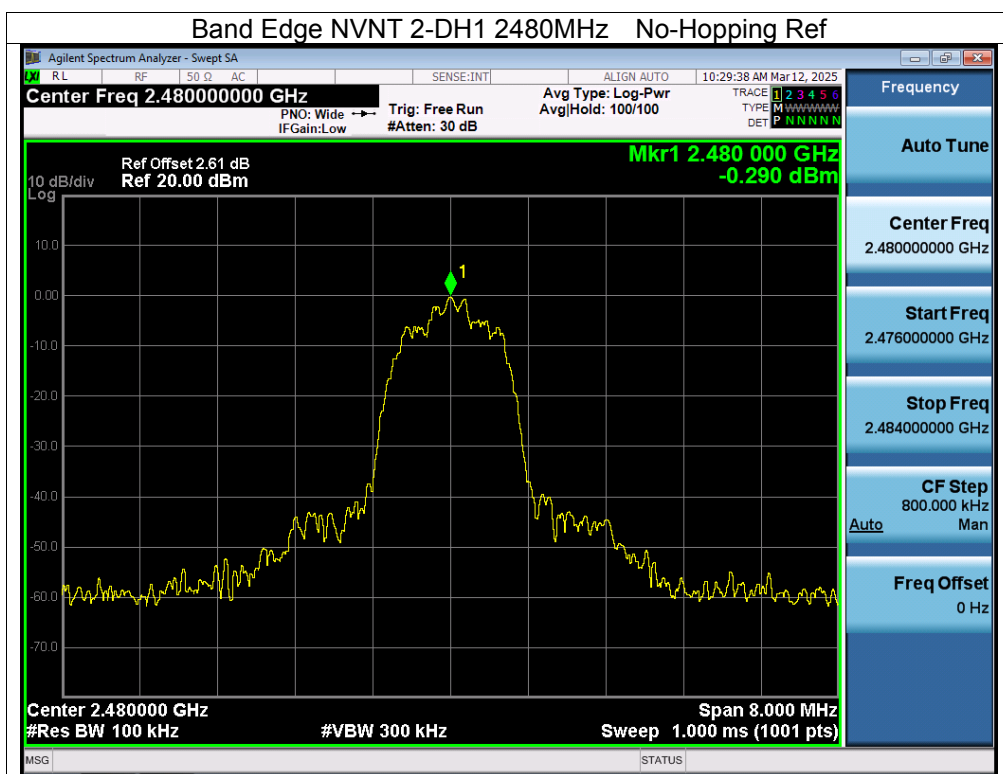




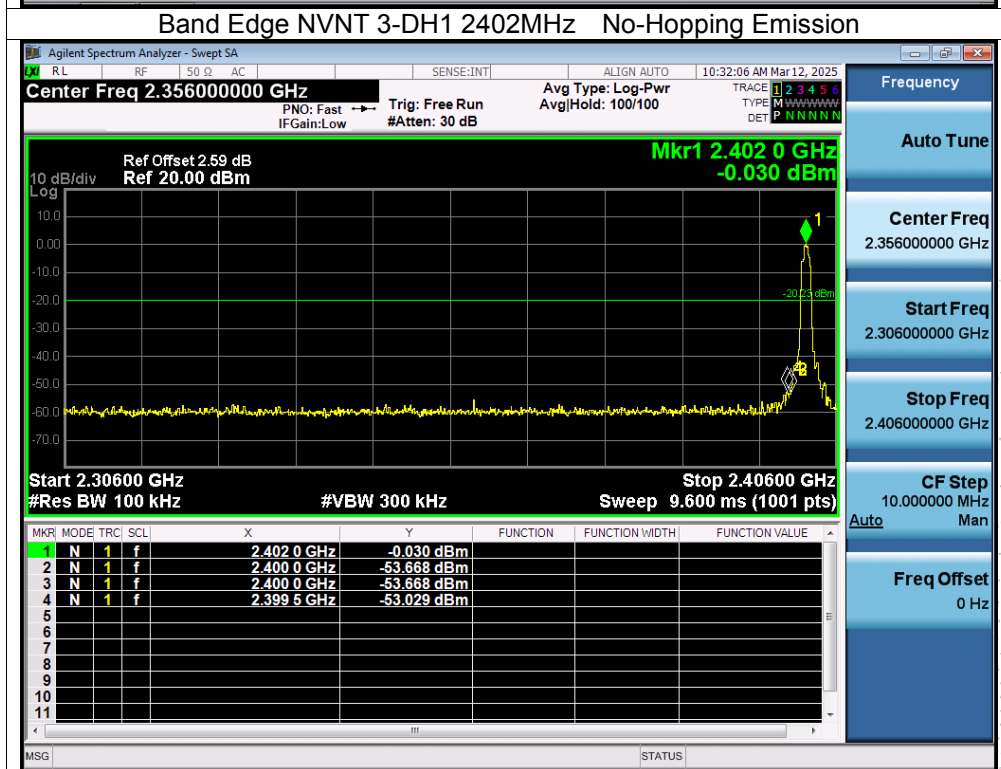
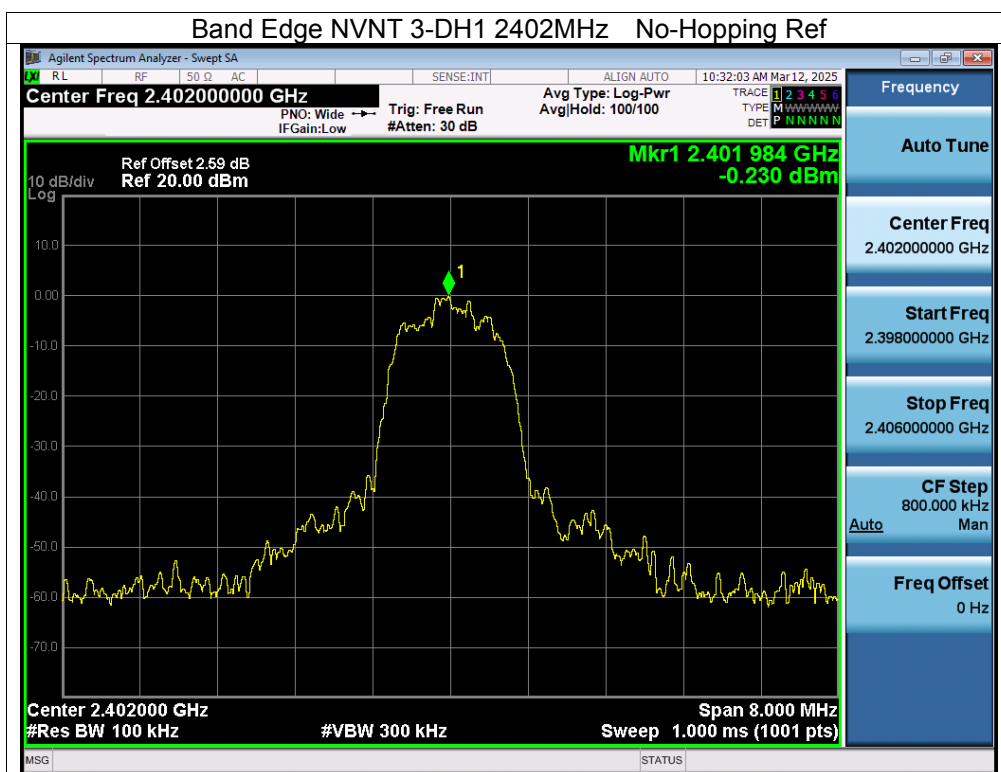


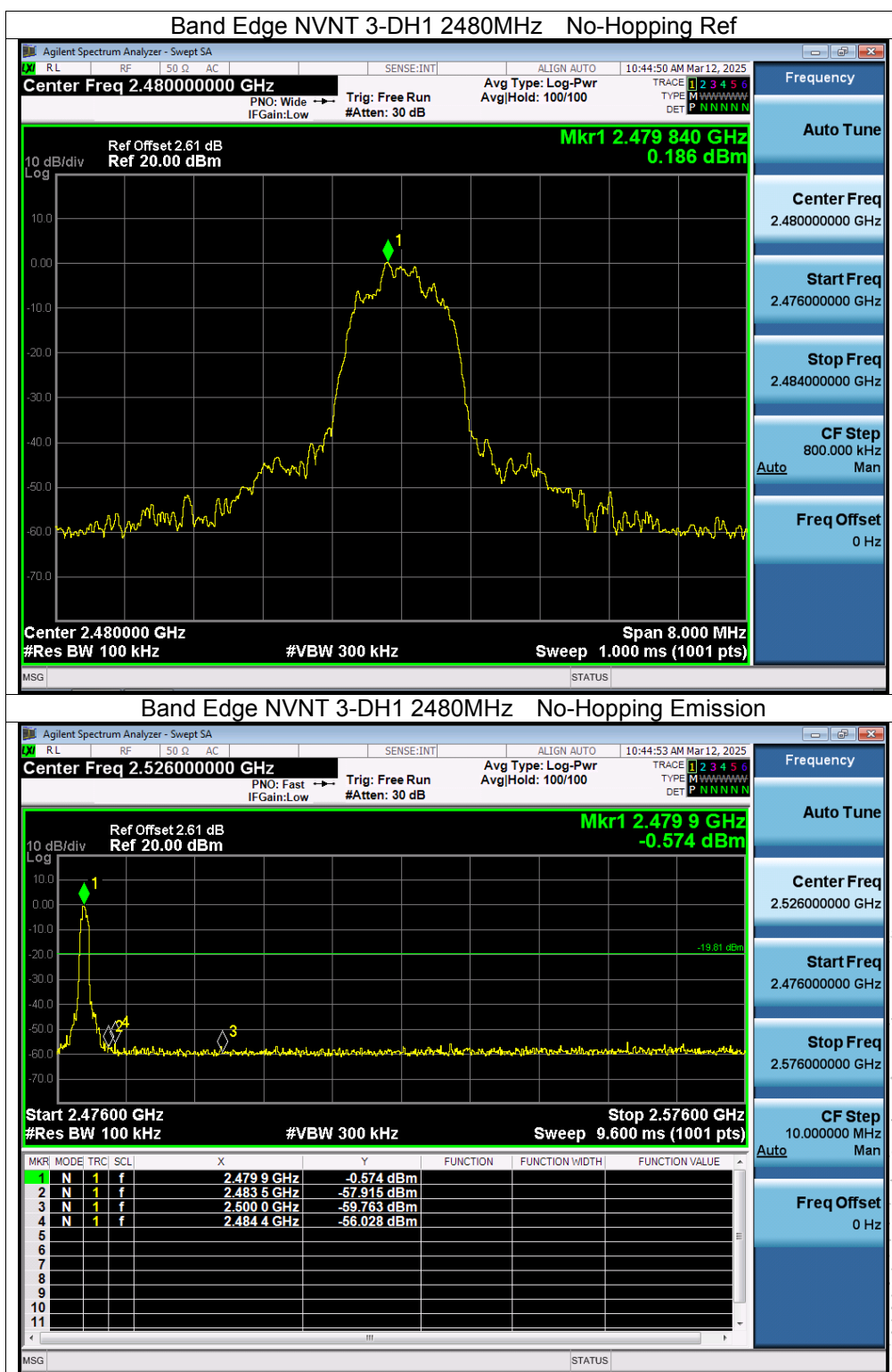


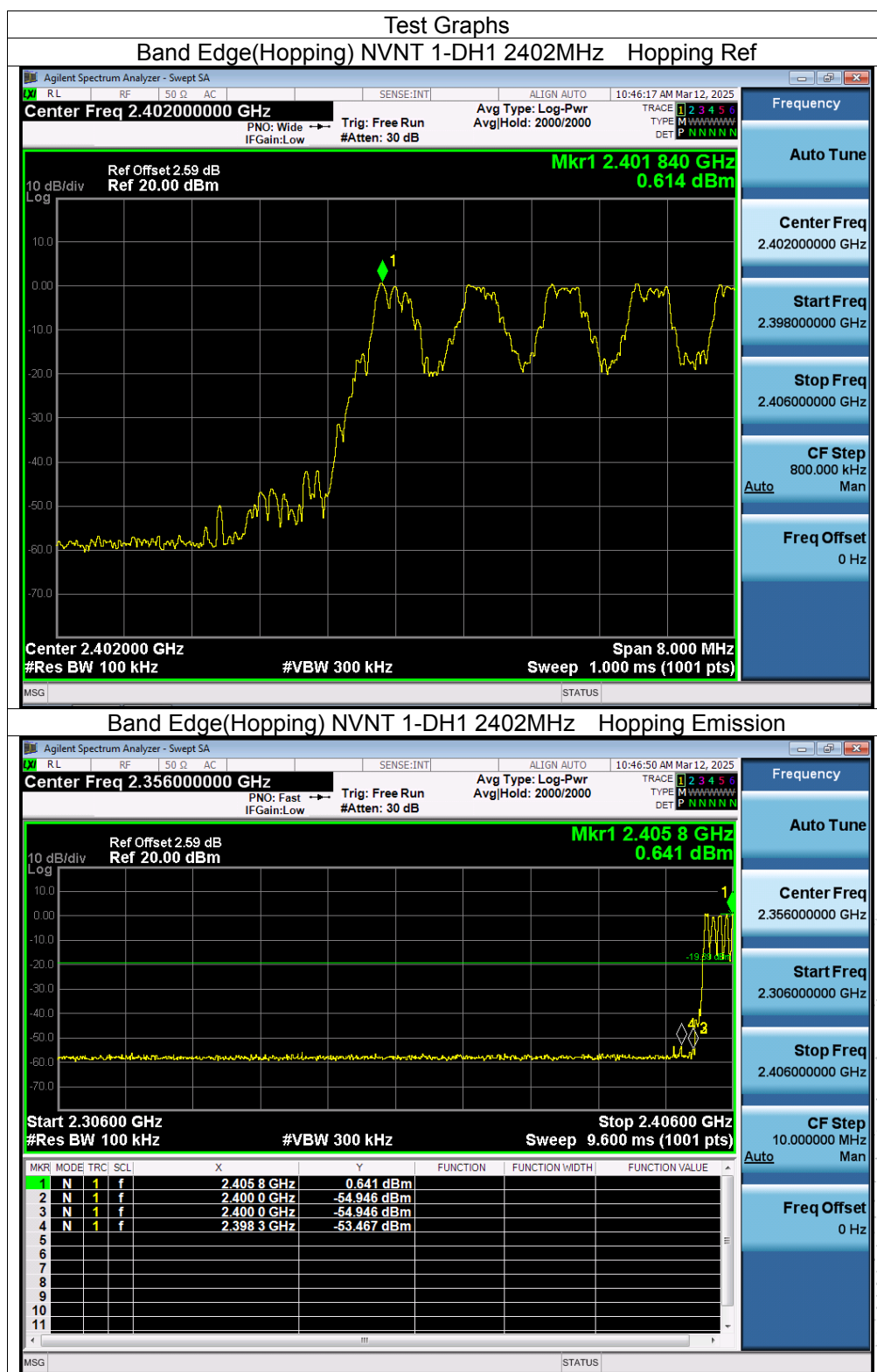


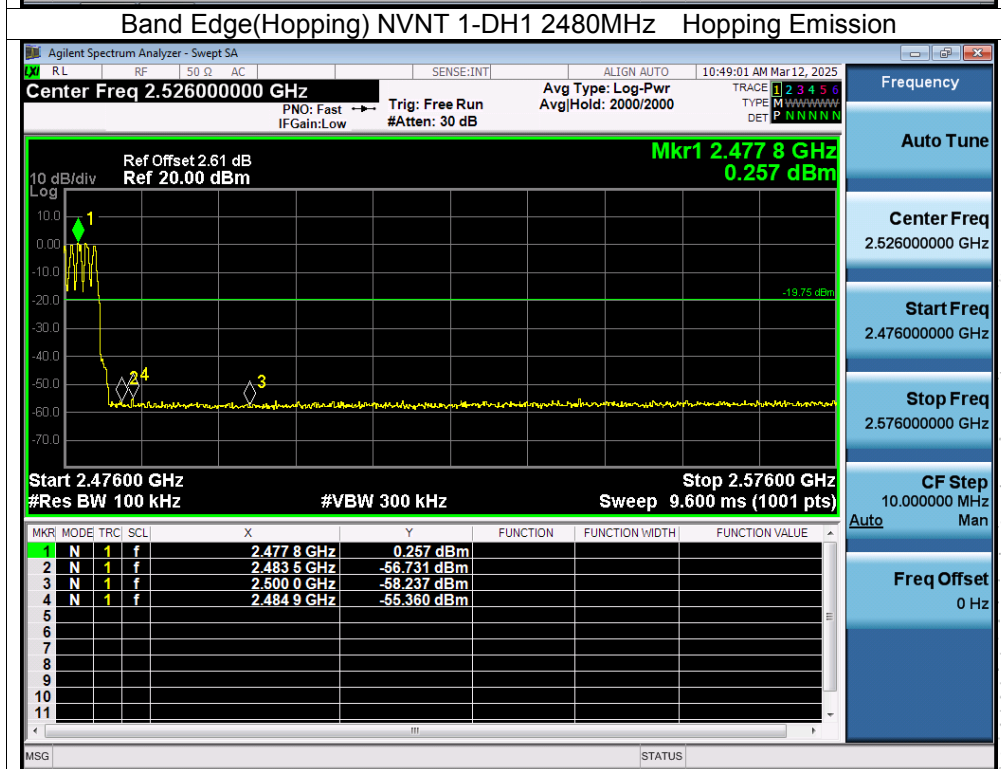


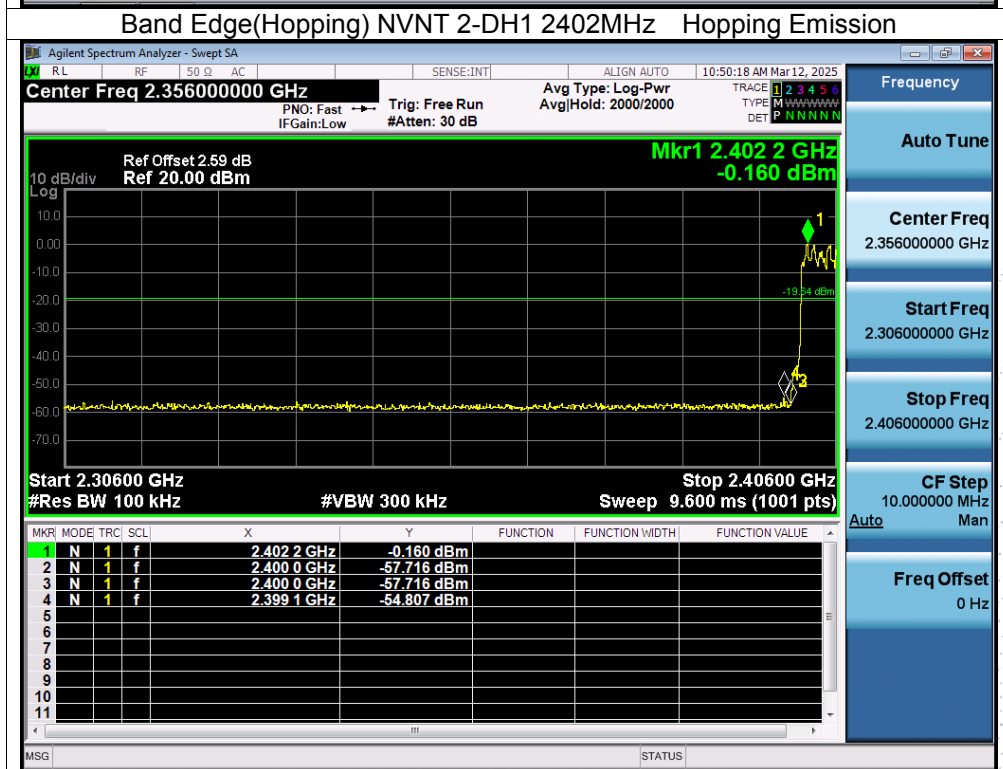
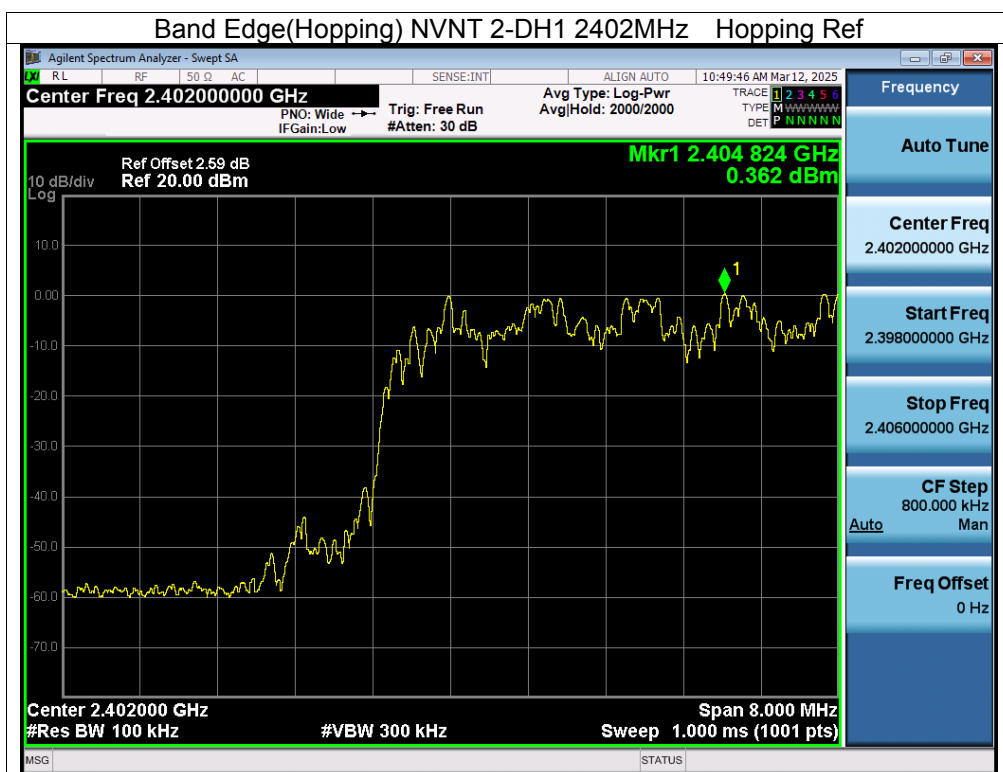
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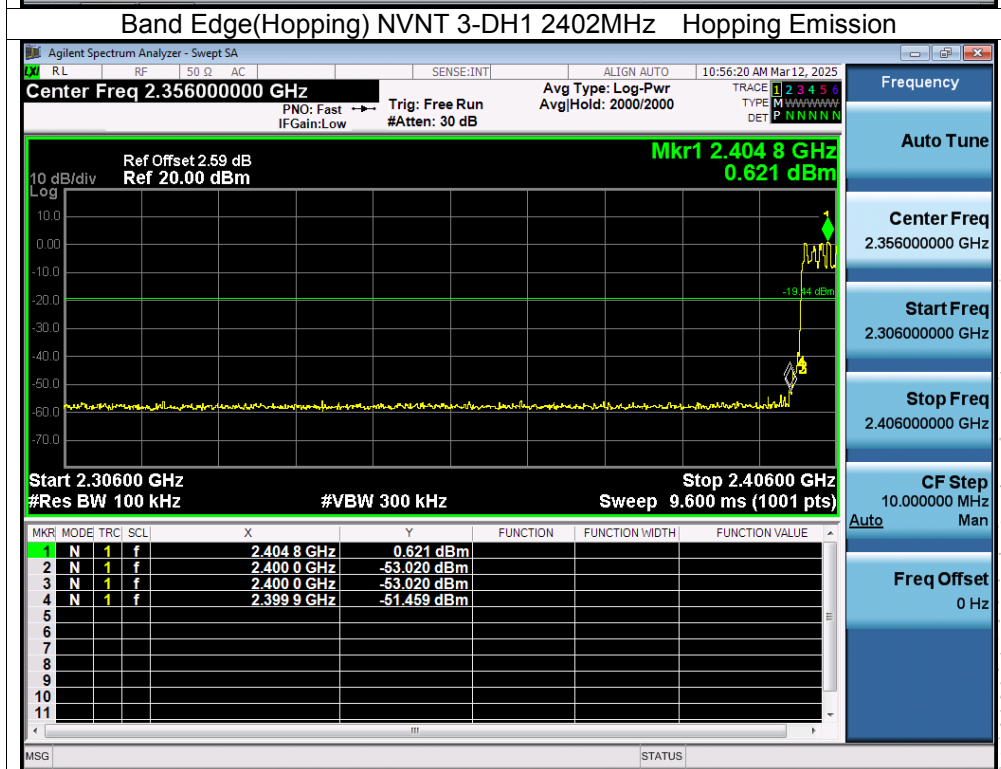








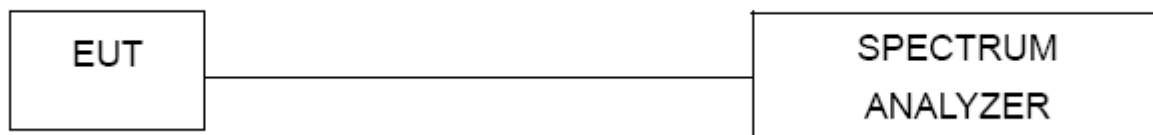
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10. 20 dB Bandwidth

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.

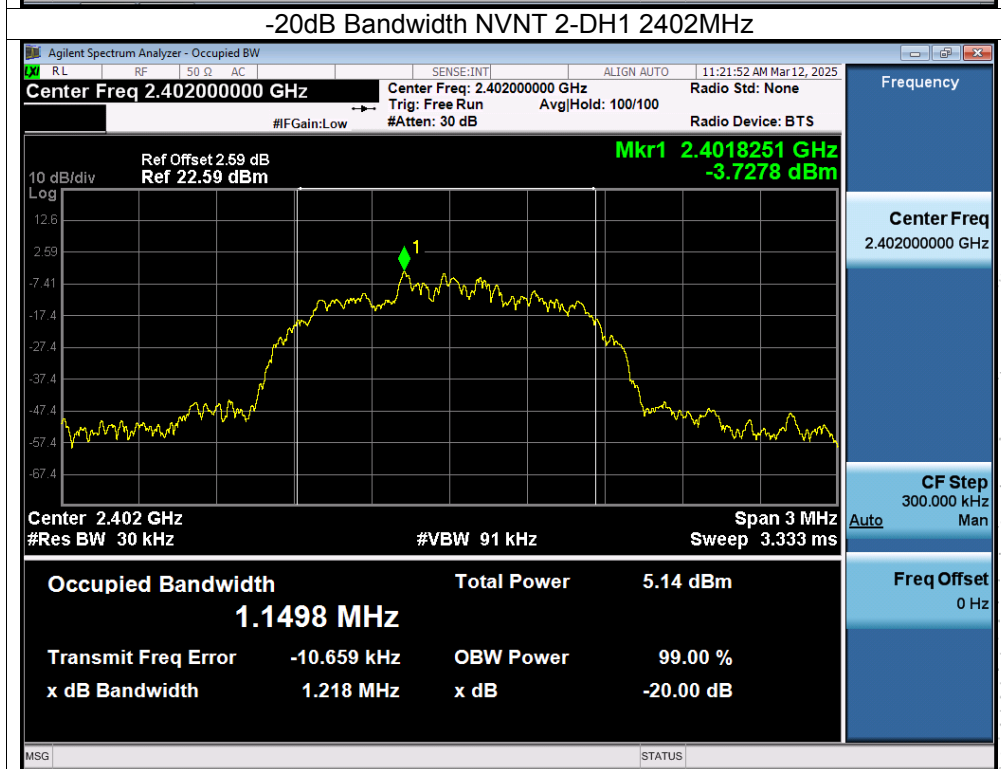
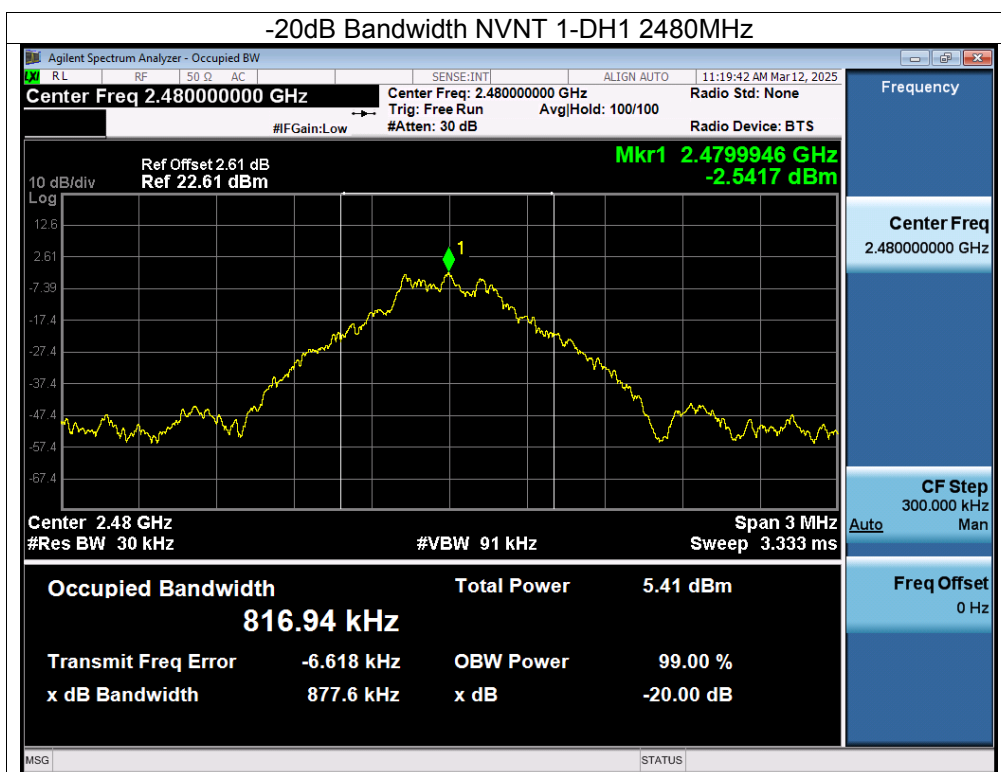
10.4 Test Result

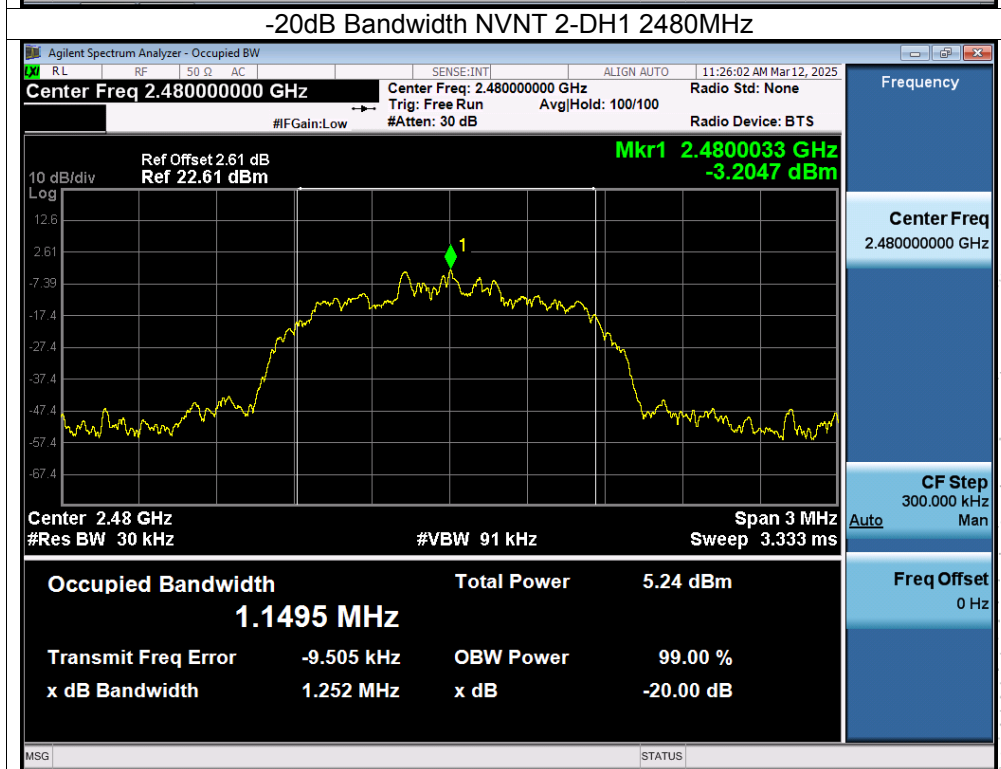
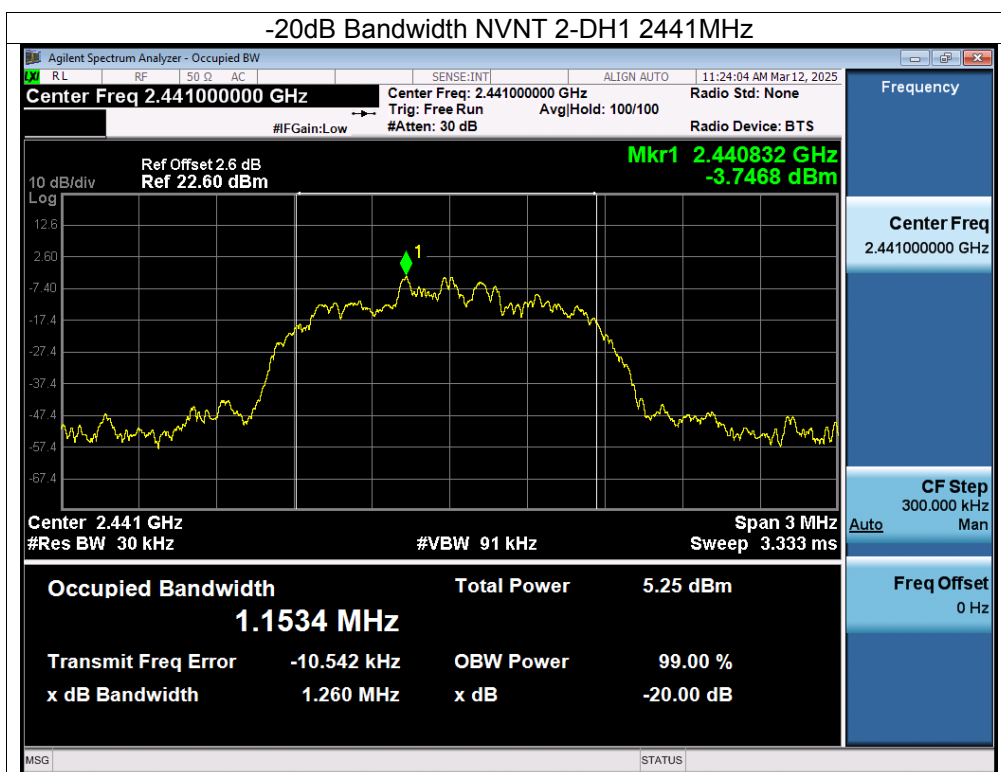
Left

Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz

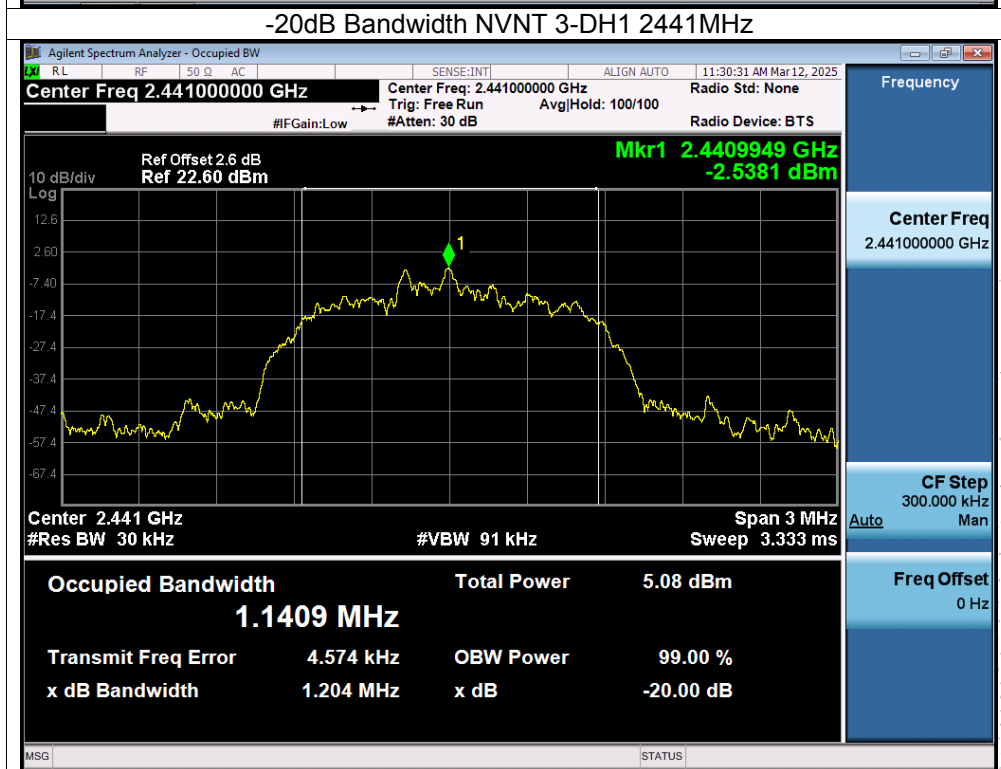
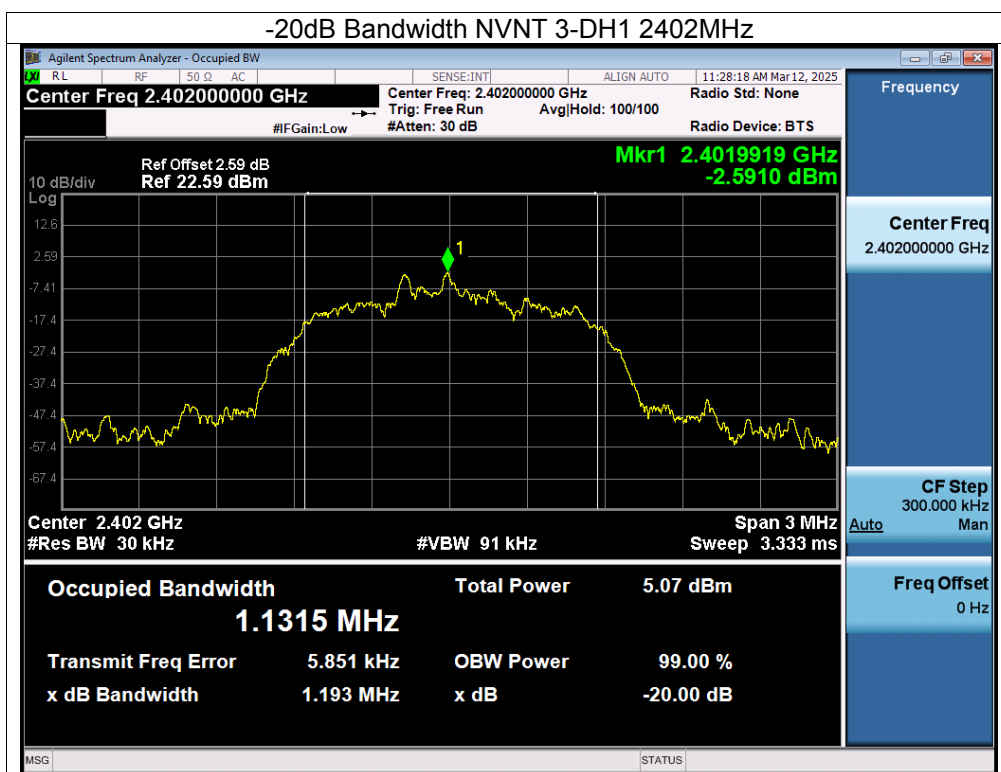
Condition	Mode	Frequency (MHz)	-20dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.899	Pass
NVNT	1-DH1	2441	0.921	Pass
NVNT	1-DH1	2480	0.878	Pass
NVNT	2-DH1	2402	1.218	Pass
NVNT	2-DH1	2441	1.260	Pass
NVNT	2-DH1	2480	1.252	Pass
NVNT	3-DH1	2402	1.193	Pass
NVNT	3-DH1	2441	1.204	Pass
NVNT	3-DH1	2480	1.205	Pass

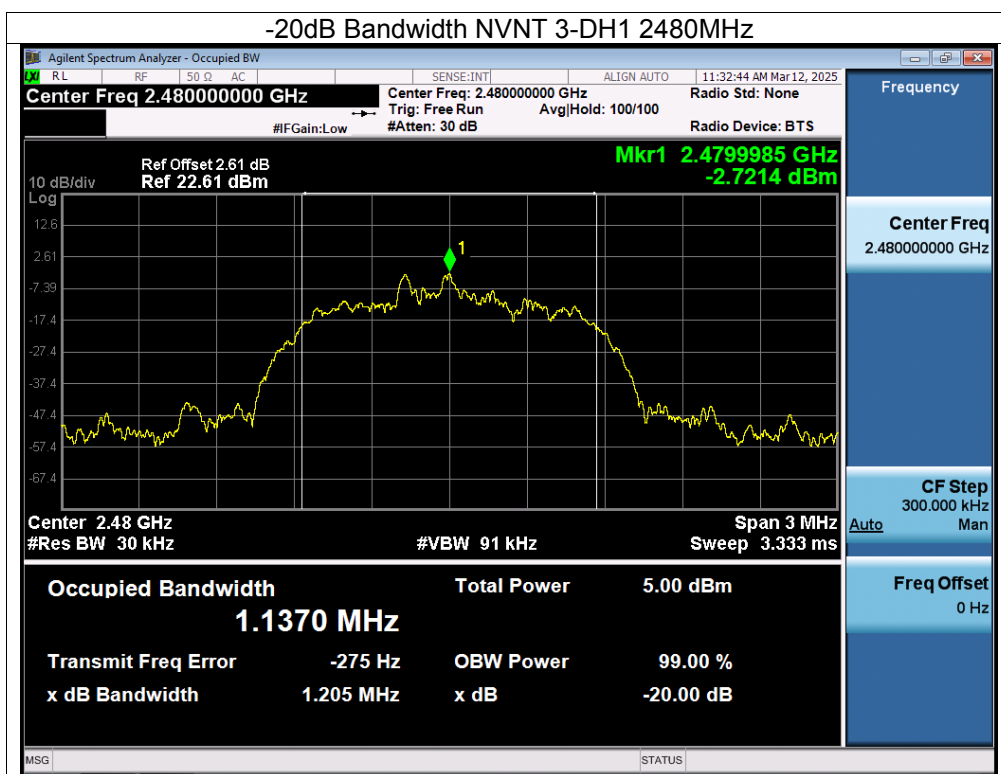






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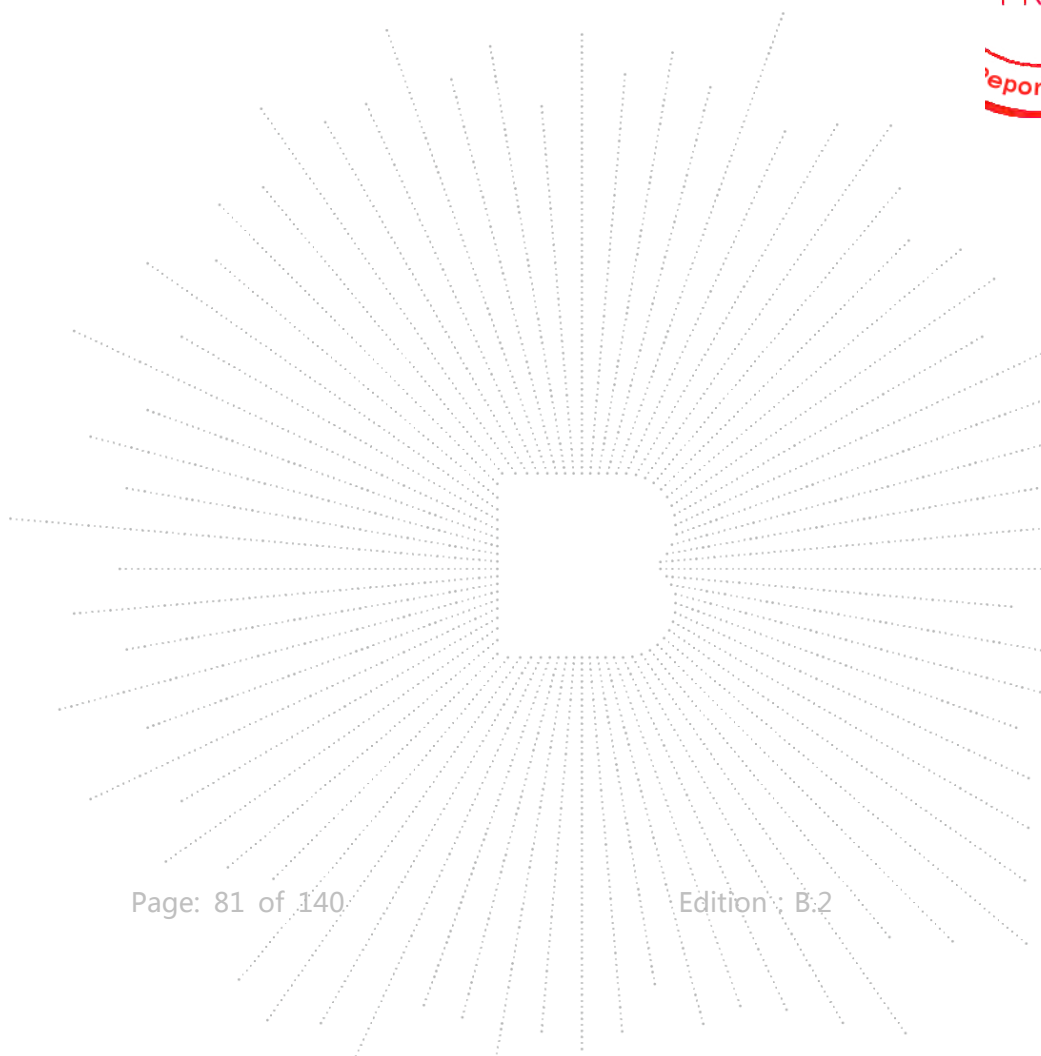


Right

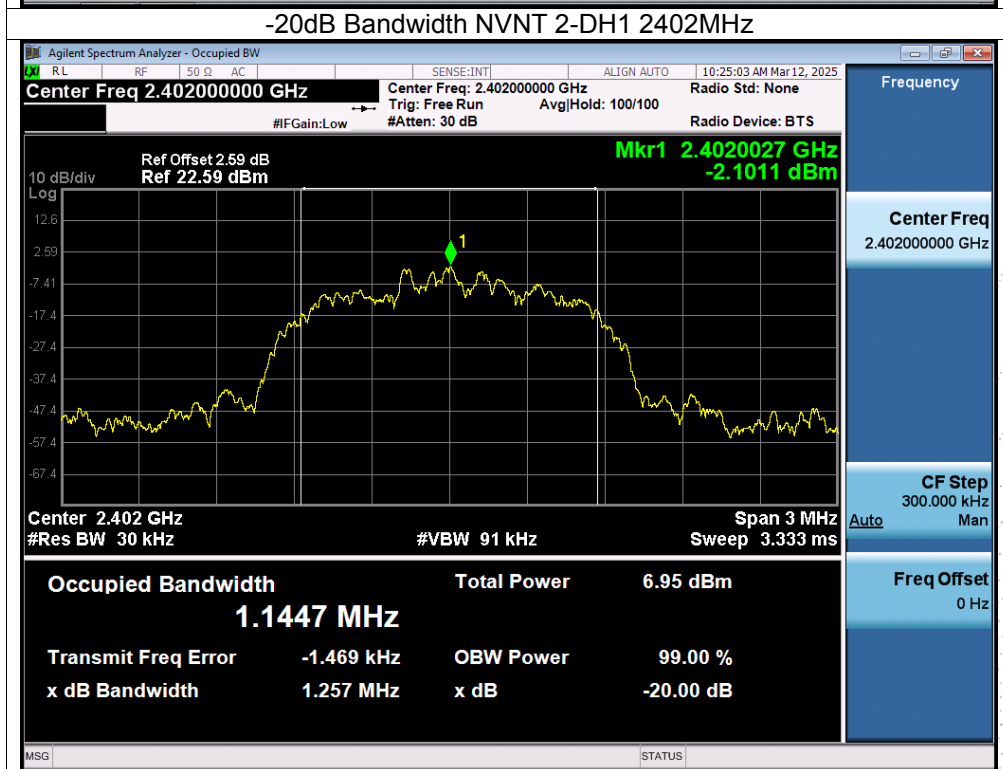
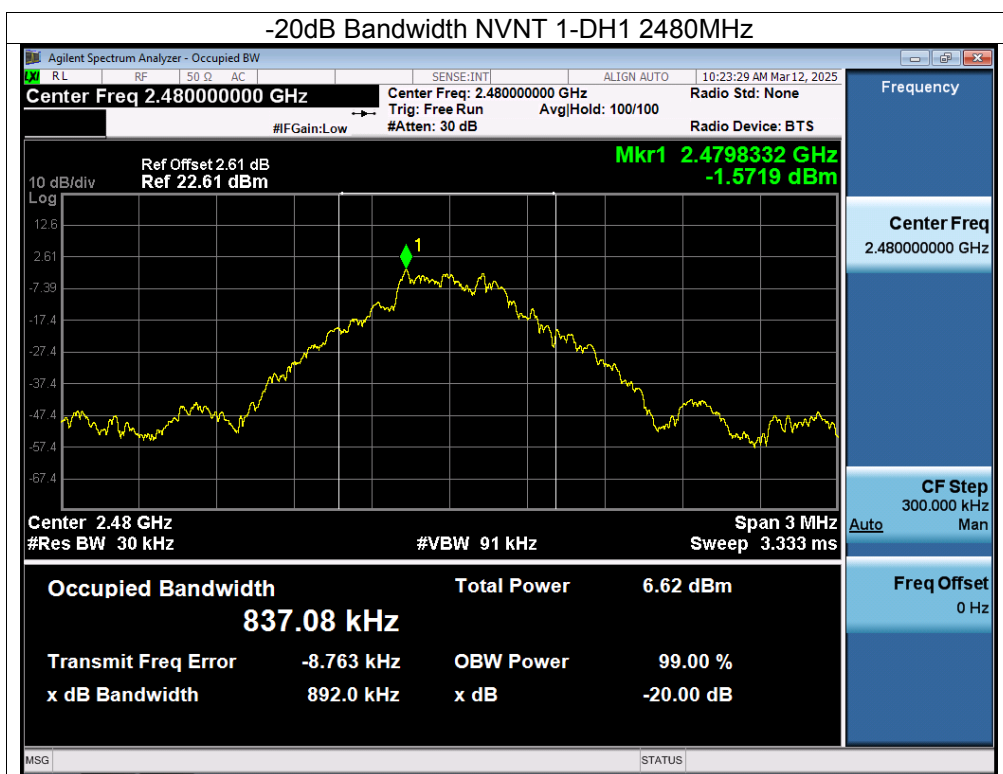
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz

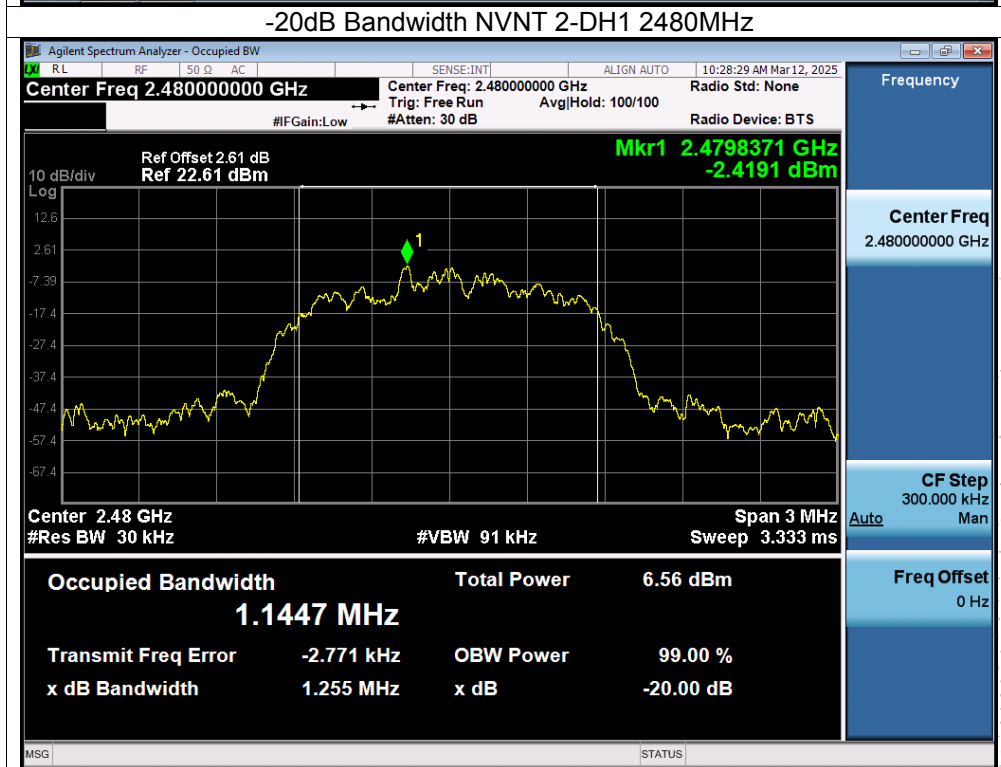
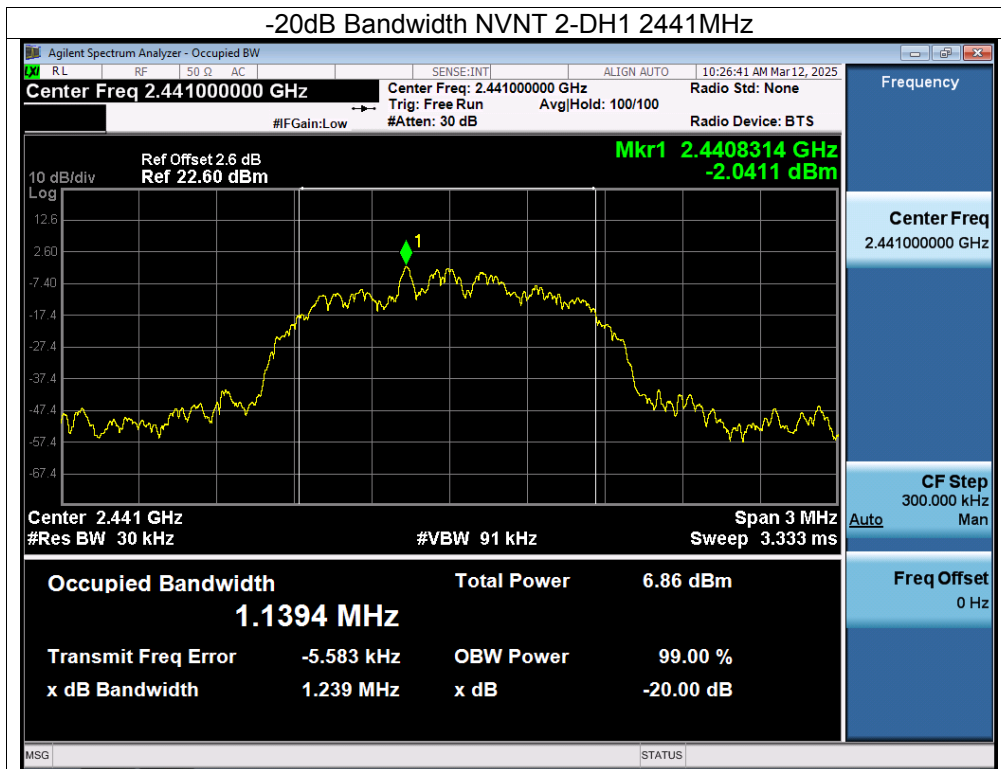
Condition	Mode	Frequency (MHz)	-20dB Bandwidth (MHz)	Verdict
NVNT	1-DH1	2402	0.926	Pass
NVNT	1-DH1	2441	0.930	Pass
NVNT	1-DH1	2480	0.892	Pass
NVNT	2-DH1	2402	1.257	Pass
NVNT	2-DH1	2441	1.239	Pass
NVNT	2-DH1	2480	1.255	Pass
NVNT	3-DH1	2402	1.213	Pass
NVNT	3-DH1	2441	1.203	Pass
NVNT	3-DH1	2480	1.206	Pass

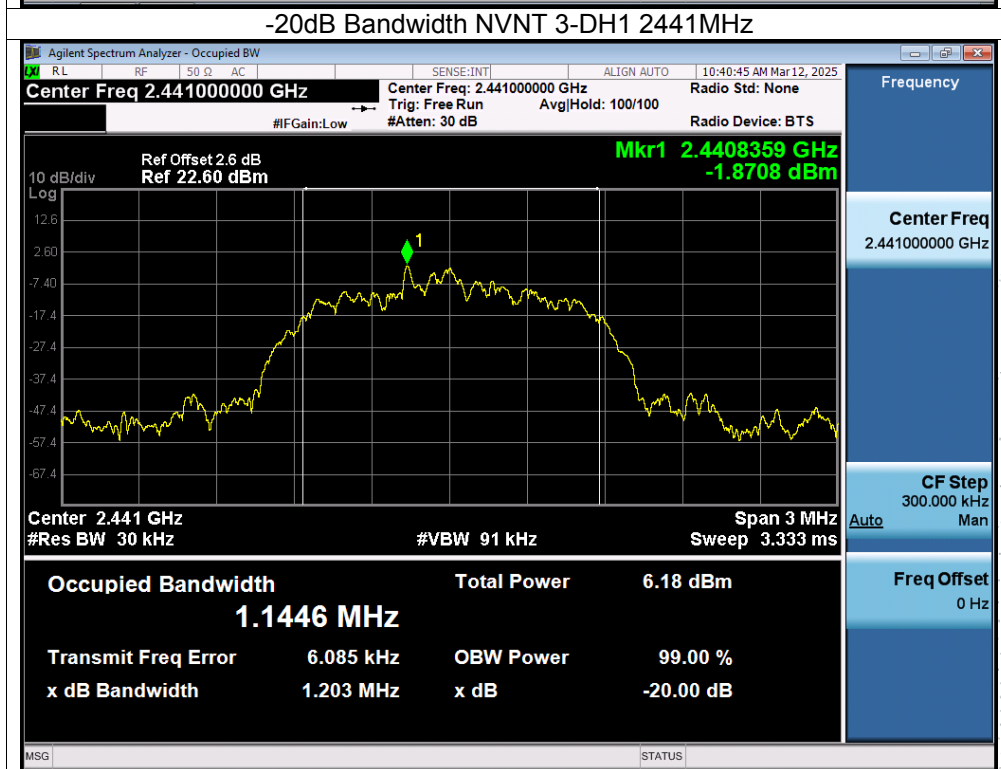
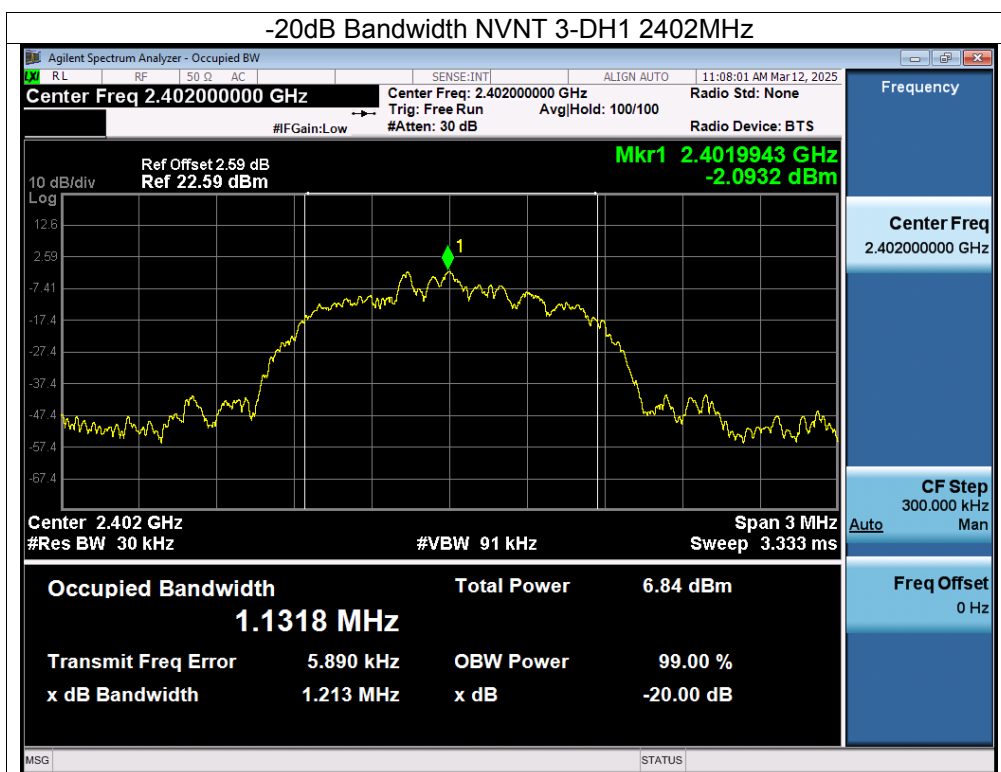
BCTC
 BCTC
 PPR
 Report

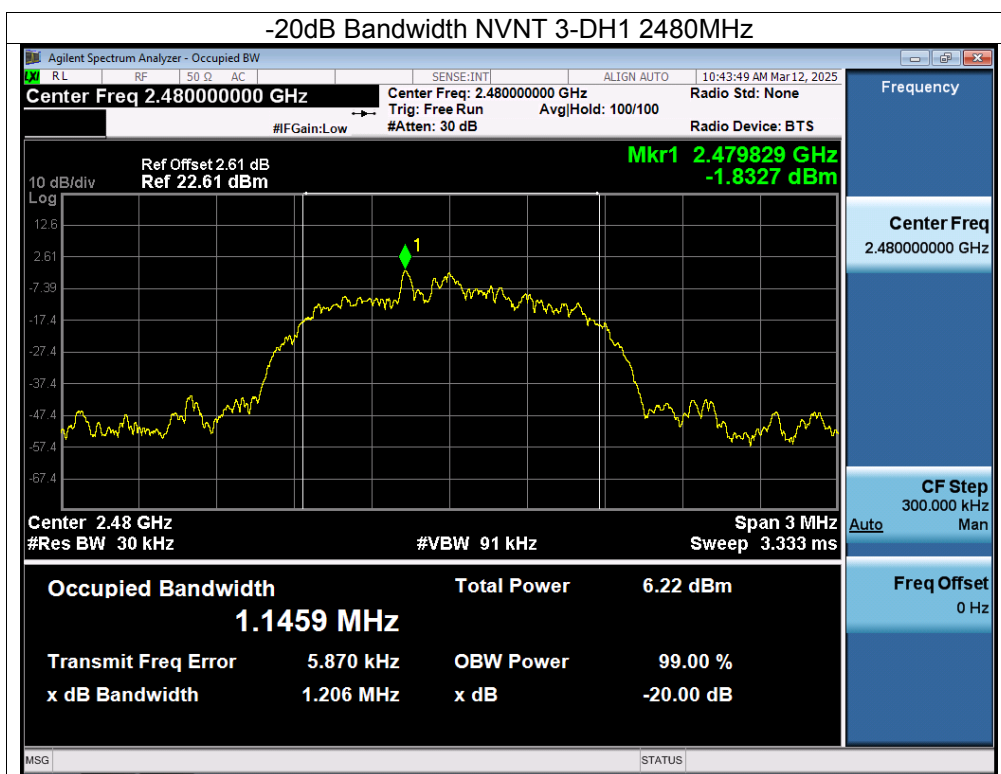












11. Maximum Peak Output Power

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

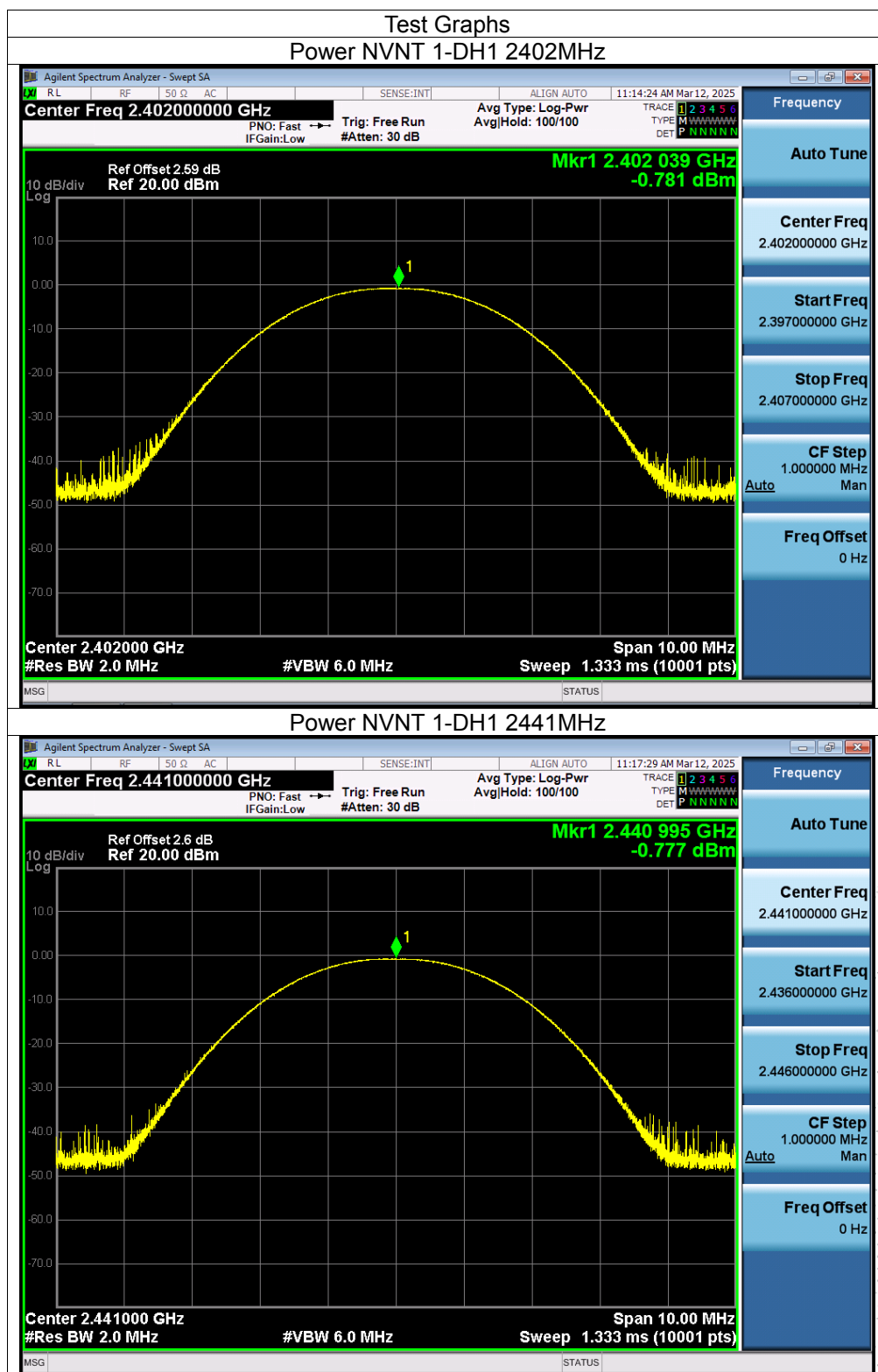
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 2MHz. VBW = 6MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

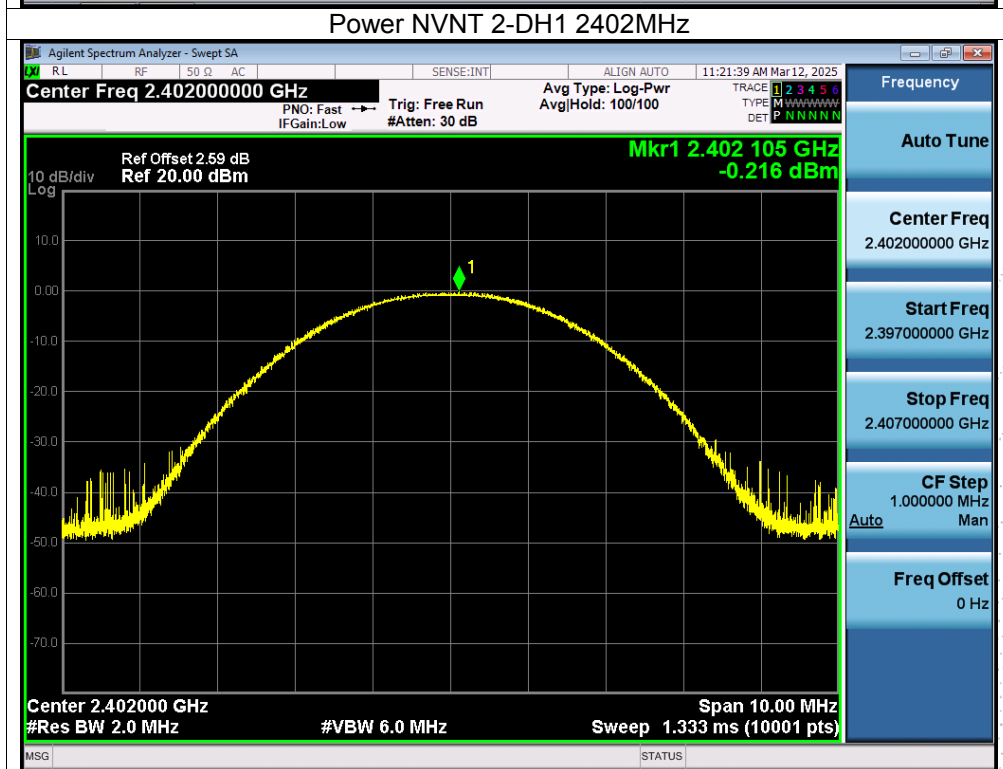
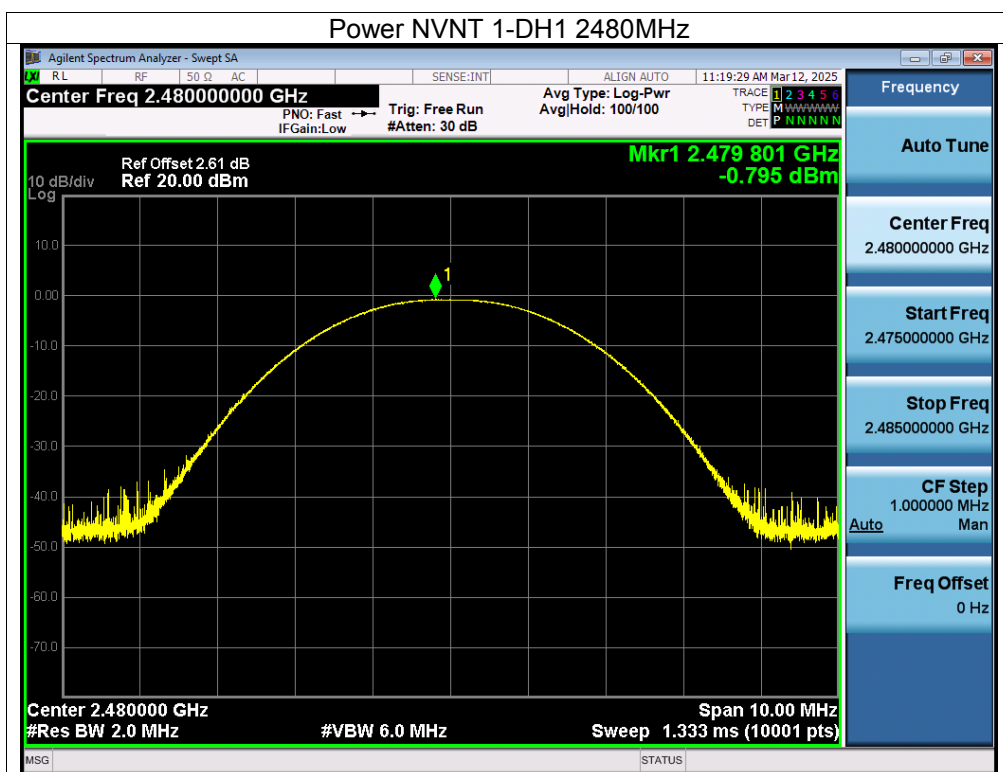
11.4 Test Result

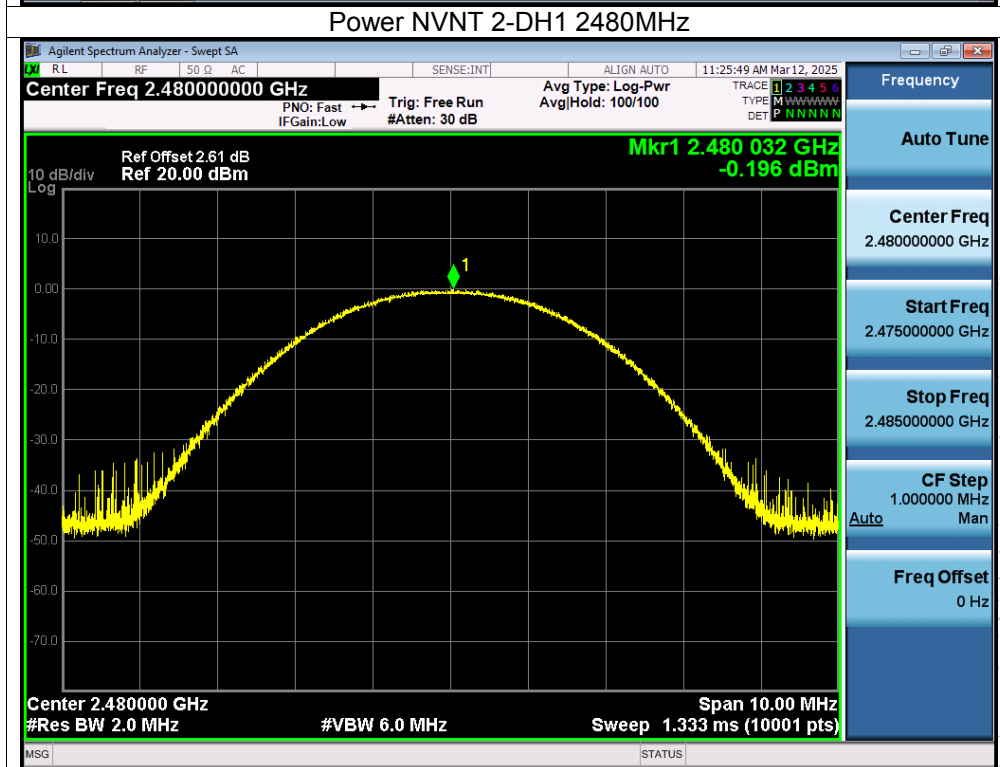
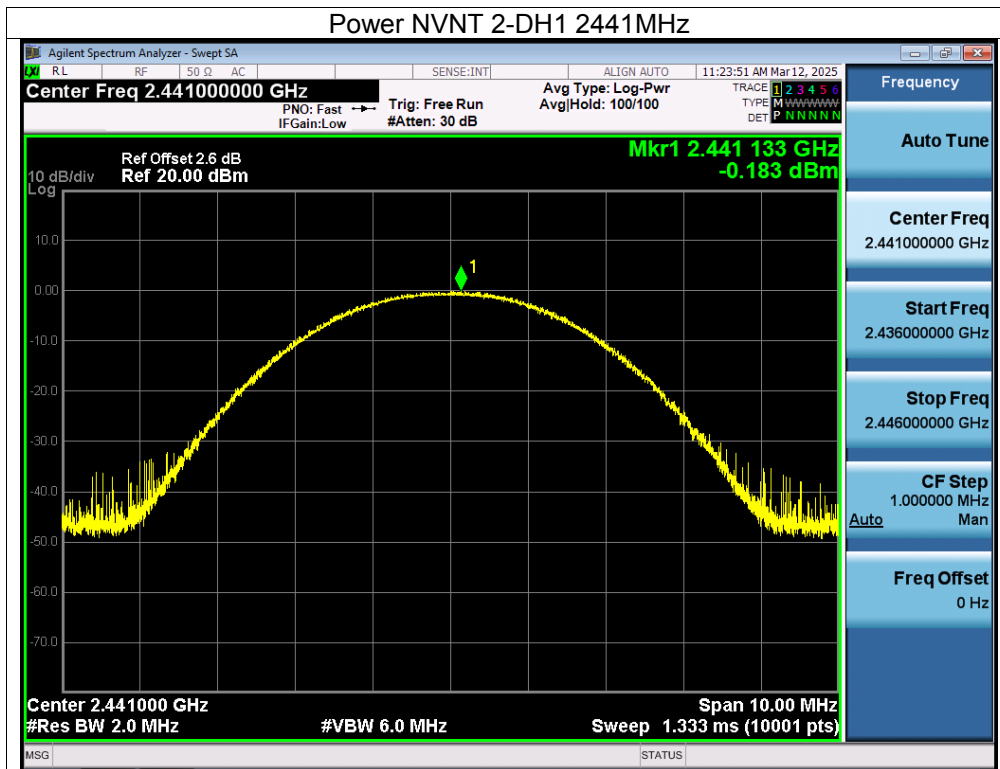
Left

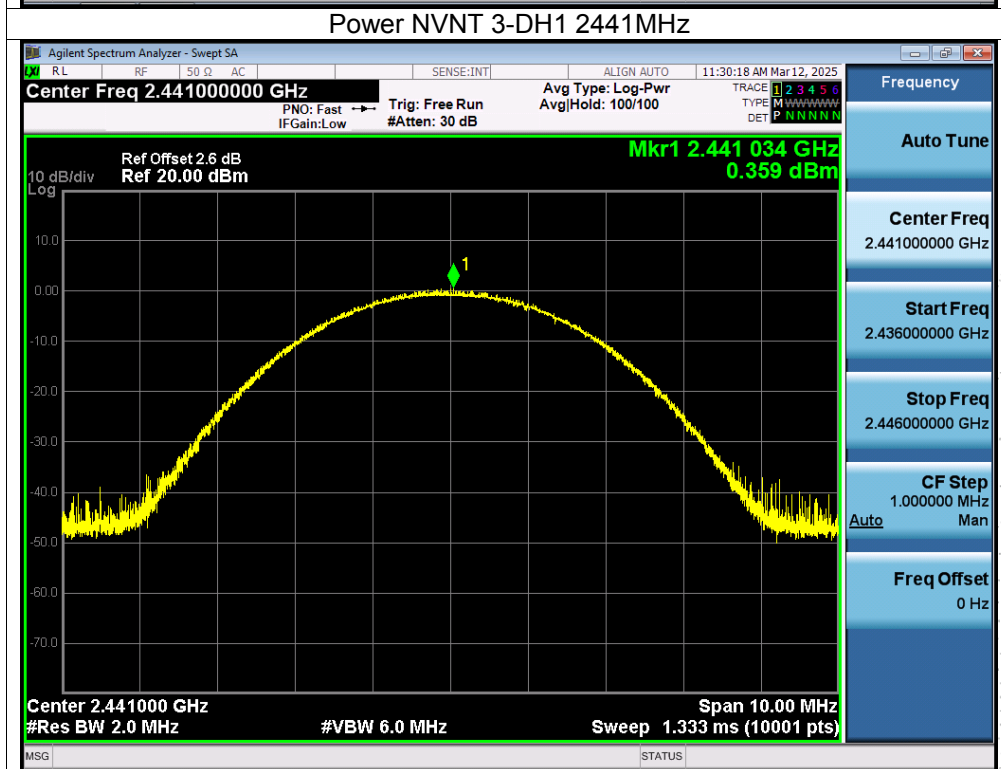
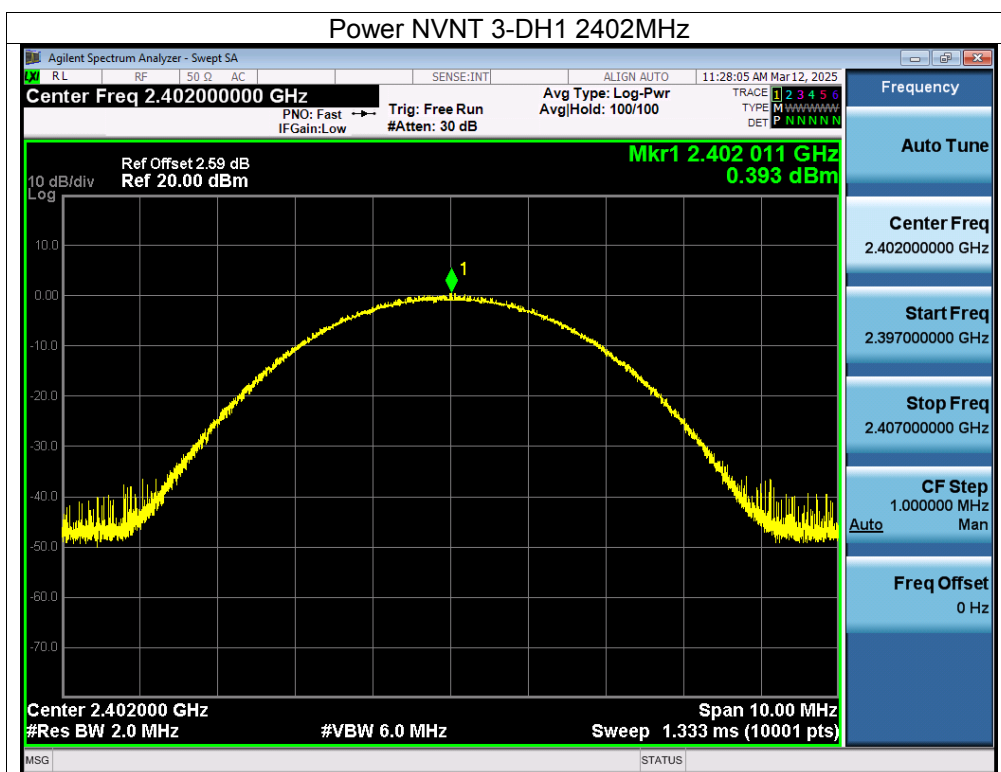
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz

Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	-0.78	21	Pass
NVNT	1-DH1	2441	-0.78	21	Pass
NVNT	1-DH1	2480	-0.80	21	Pass
NVNT	2-DH1	2402	-0.22	21	Pass
NVNT	2-DH1	2441	-0.18	21	Pass
NVNT	2-DH1	2480	-0.20	21	Pass
NVNT	3-DH1	2402	0.39	21	Pass
NVNT	3-DH1	2441	0.36	21	Pass
NVNT	3-DH1	2480	0.35	21	Pass

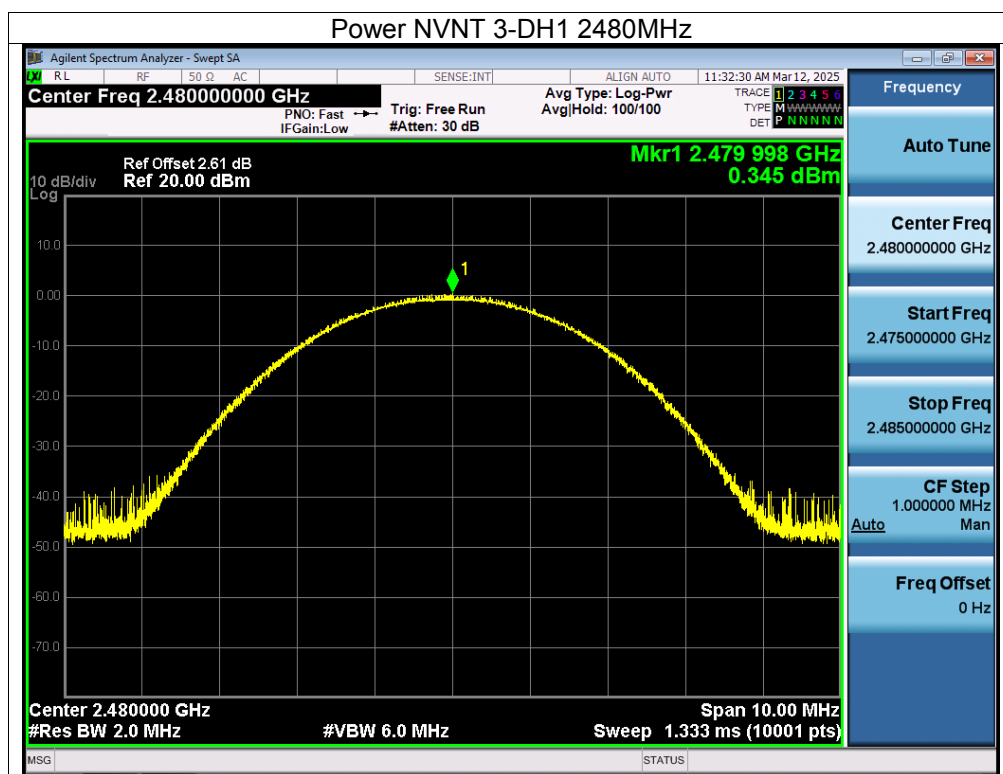








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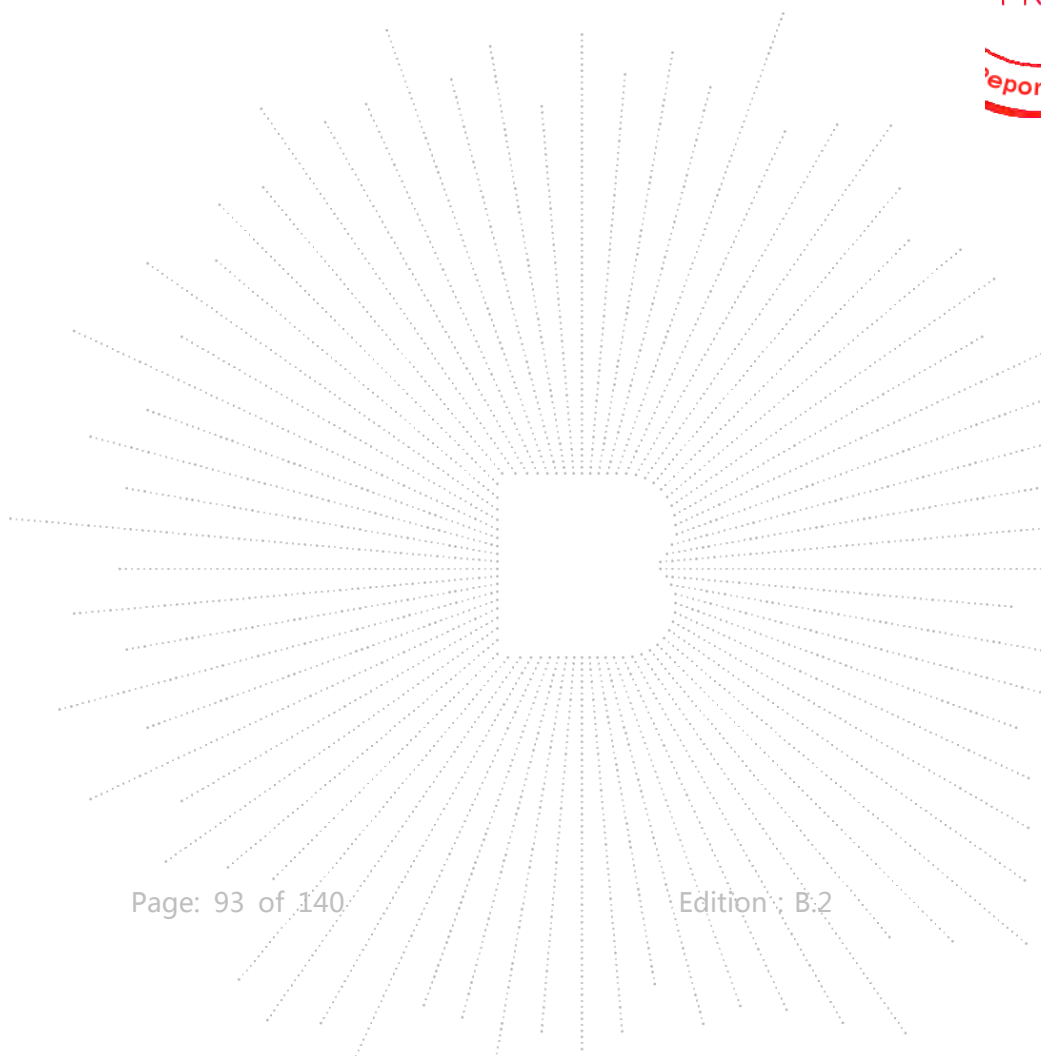


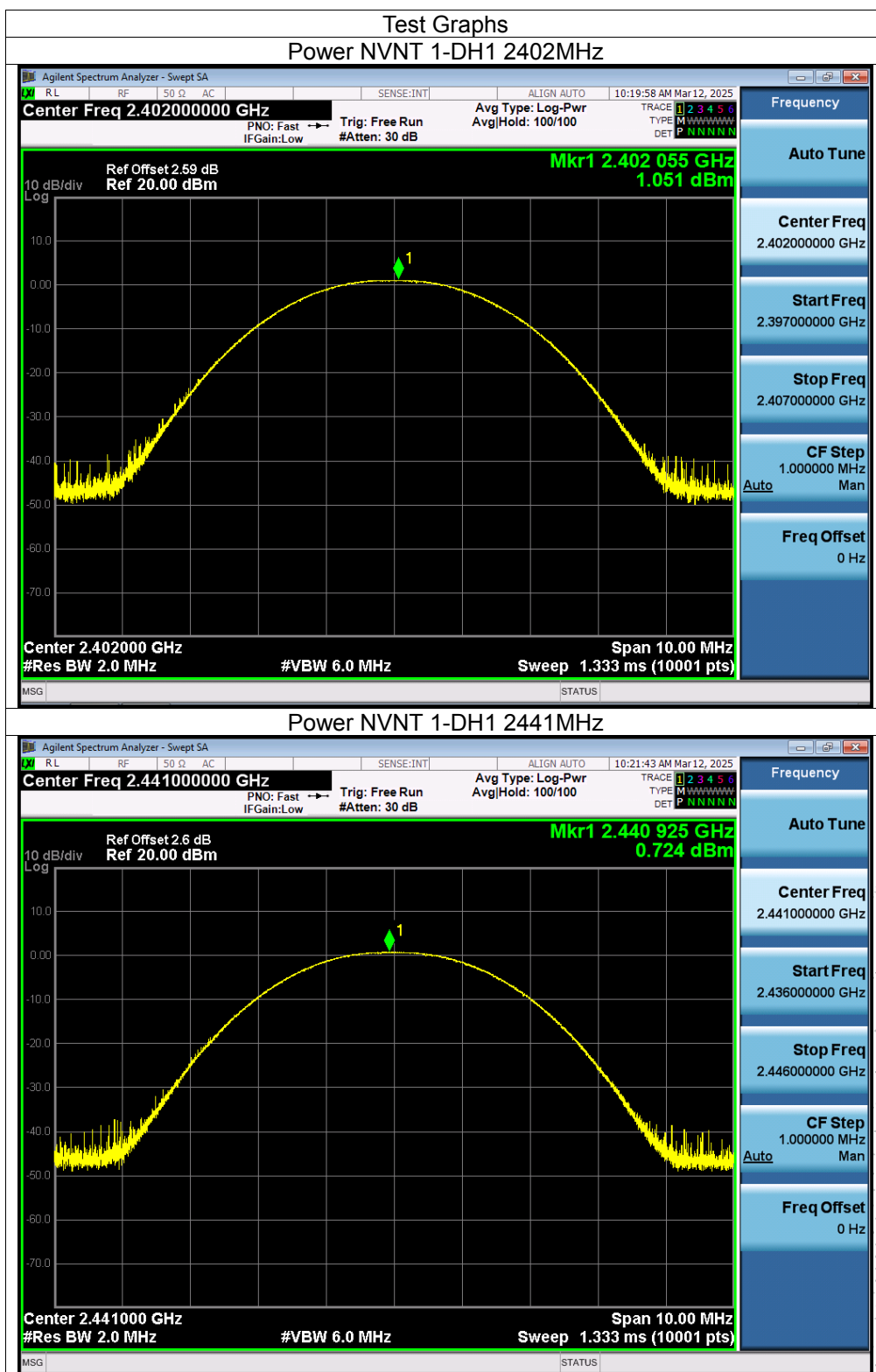
Right

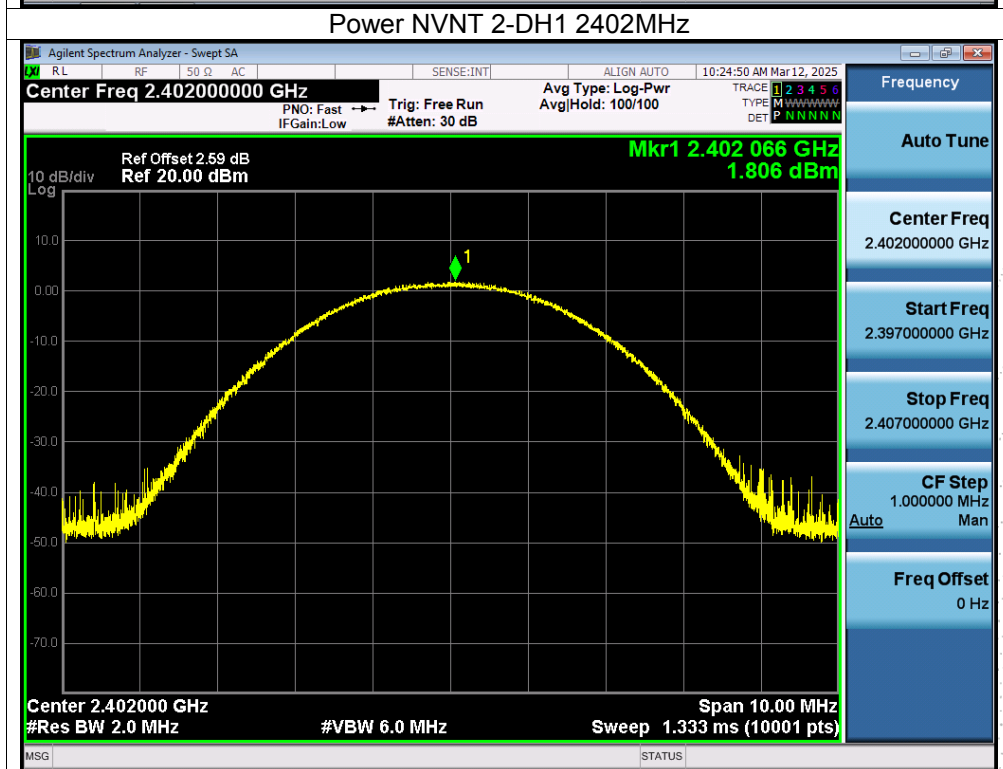
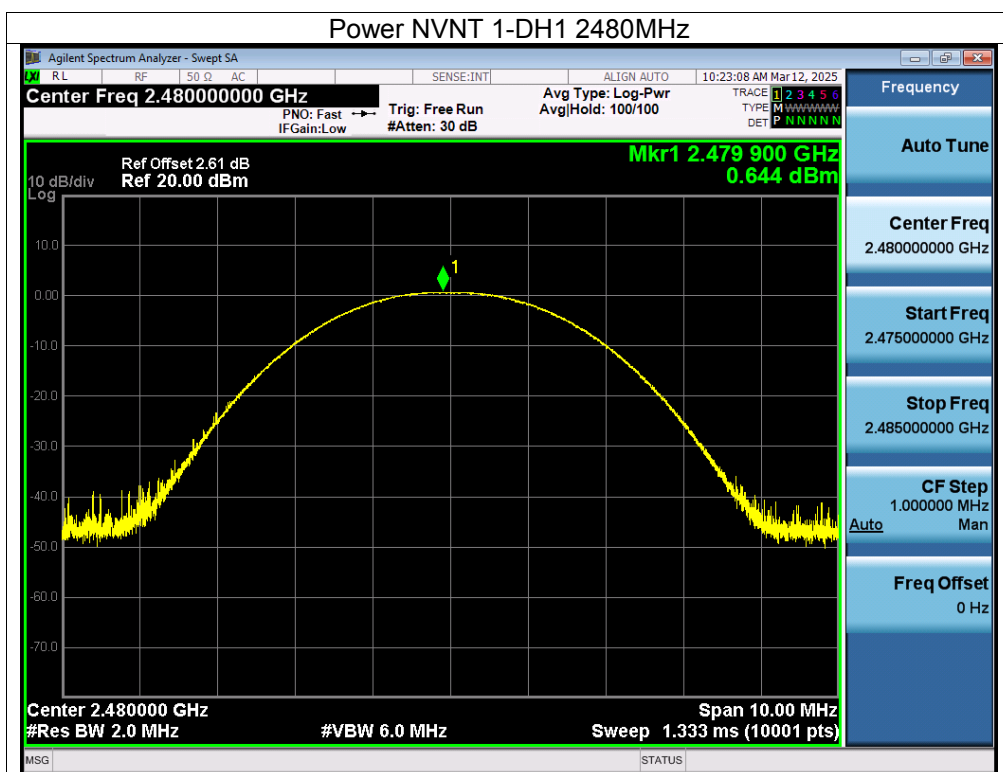
Temperature:	26 °C	Relative Humidity:	54%RH
Pressure:	101KPa	Test Voltage :	AC 120V/60Hz

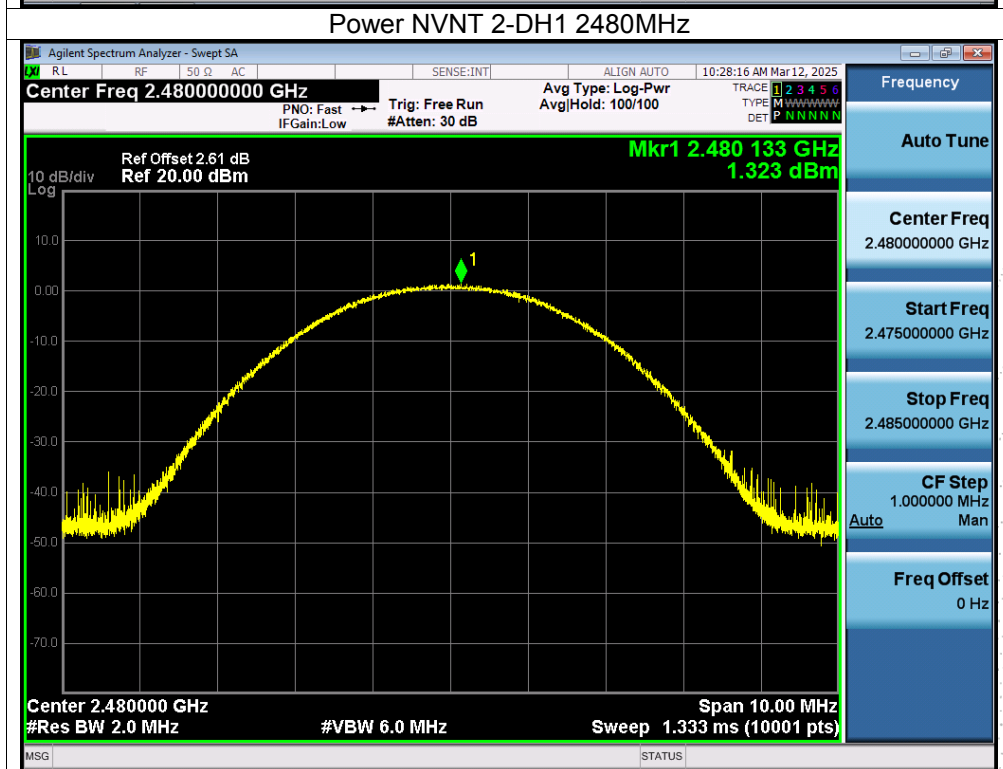
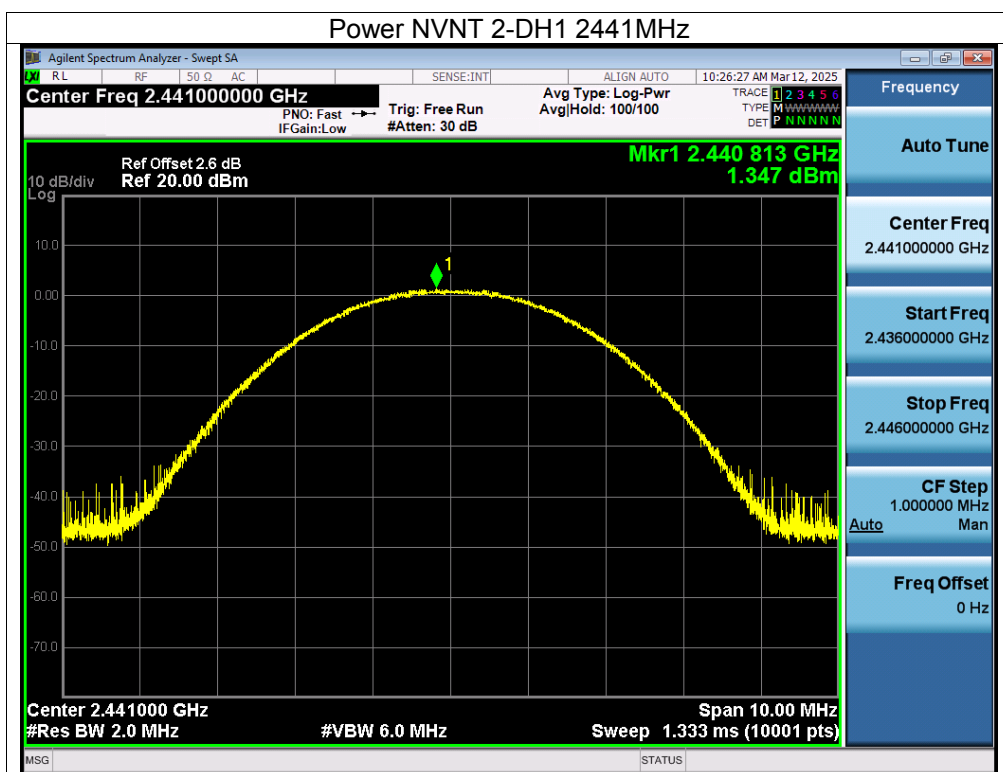
Condition	Mode	Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	2402	1.05	21	Pass
NVNT	1-DH1	2441	0.72	21	Pass
NVNT	1-DH1	2480	0.64	21	Pass
NVNT	2-DH1	2402	1.81	21	Pass
NVNT	2-DH1	2441	1.35	21	Pass
NVNT	2-DH1	2480	1.32	21	Pass
NVNT	3-DH1	2402	2.12	21	Pass
NVNT	3-DH1	2441	1.75	21	Pass
NVNT	3-DH1	2480	1.65	21	Pass

BCTC
 BCTC
 PPR
 Report

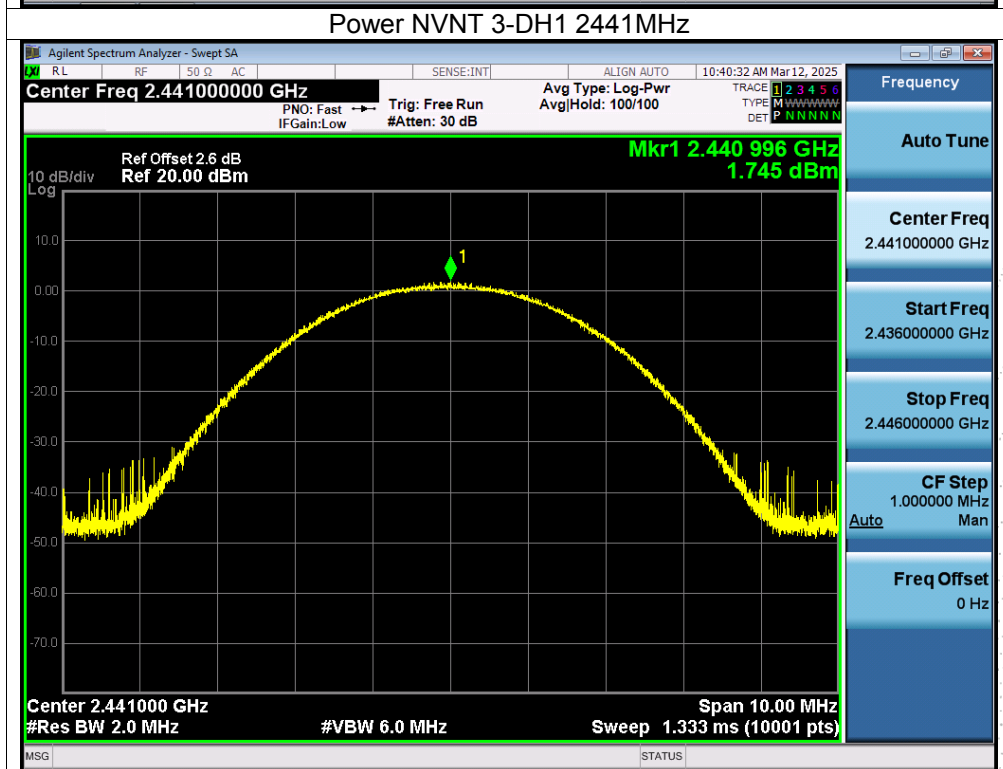
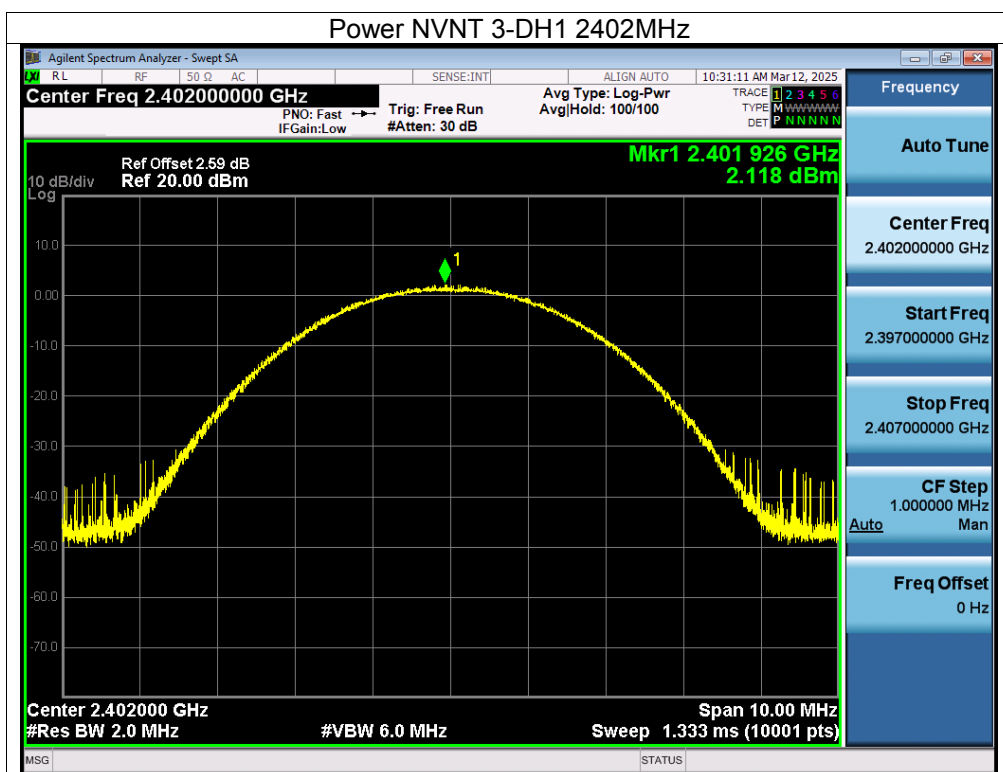




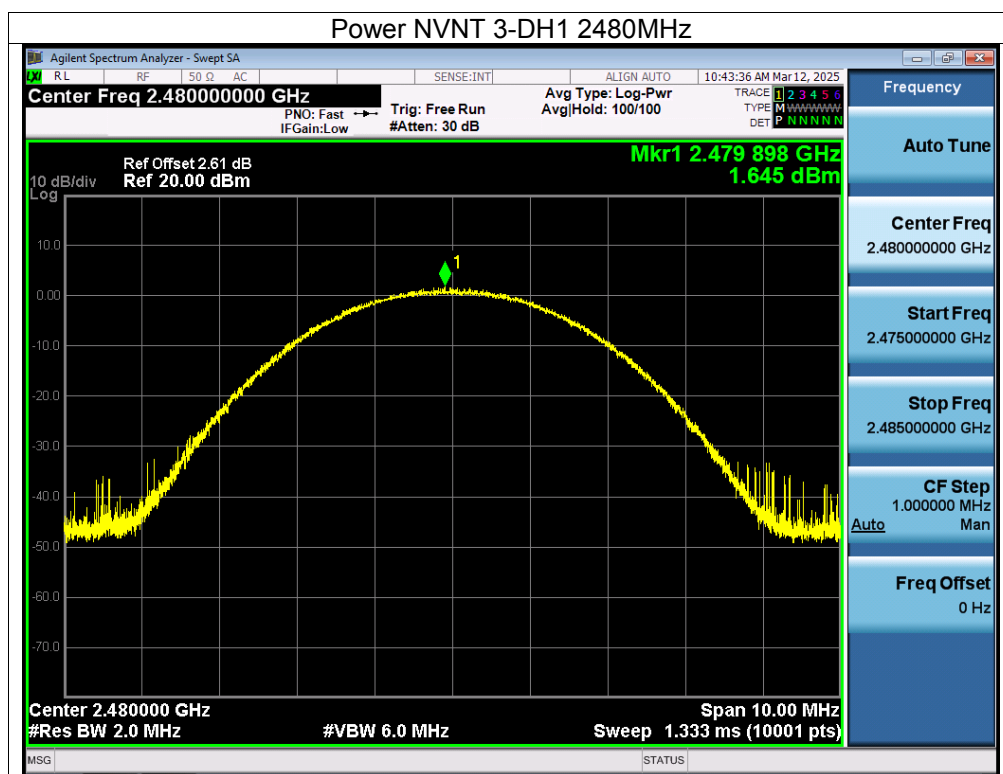




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12. Hopping Channel Separation

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.

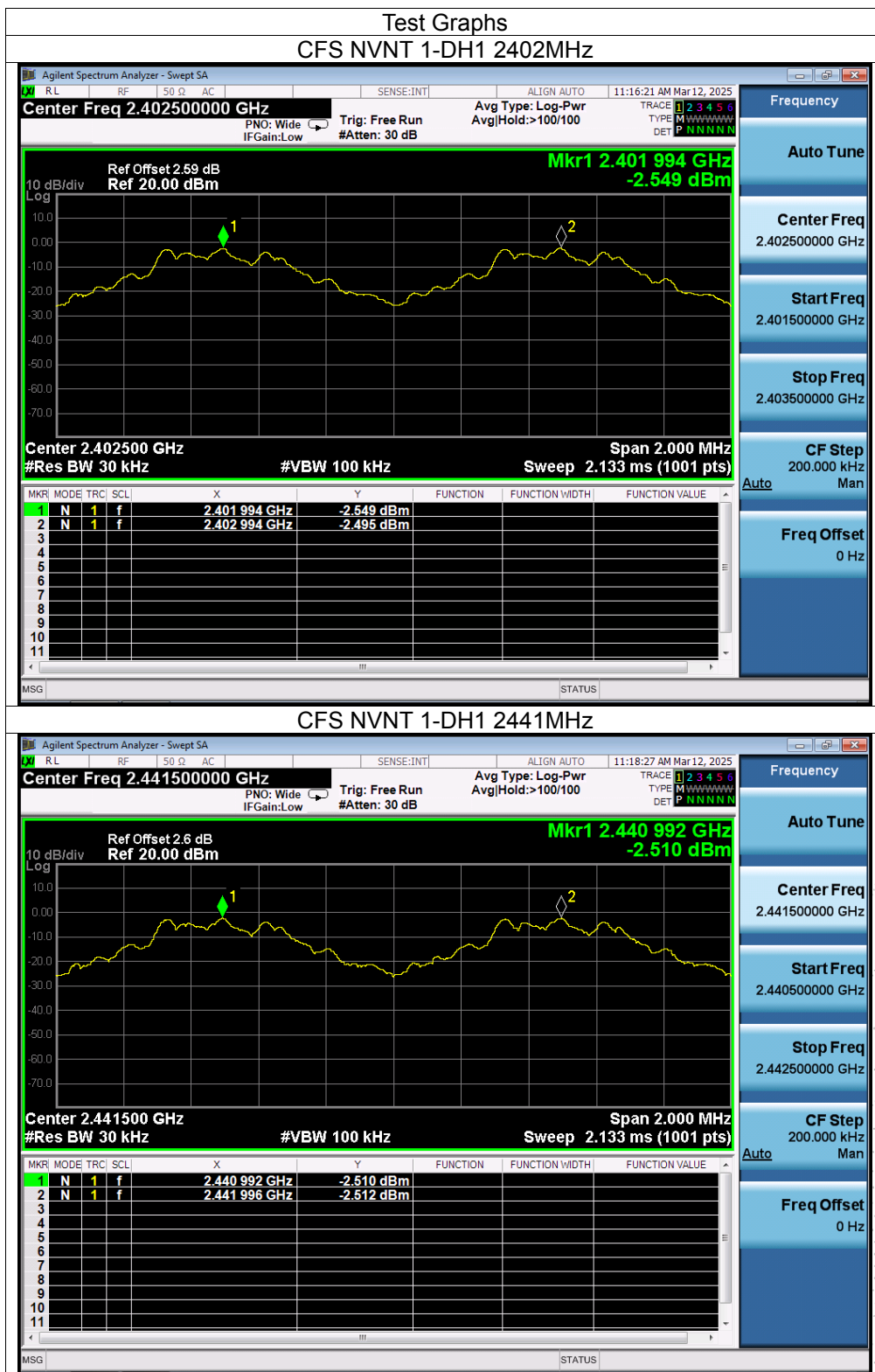
12.3 Test procedure

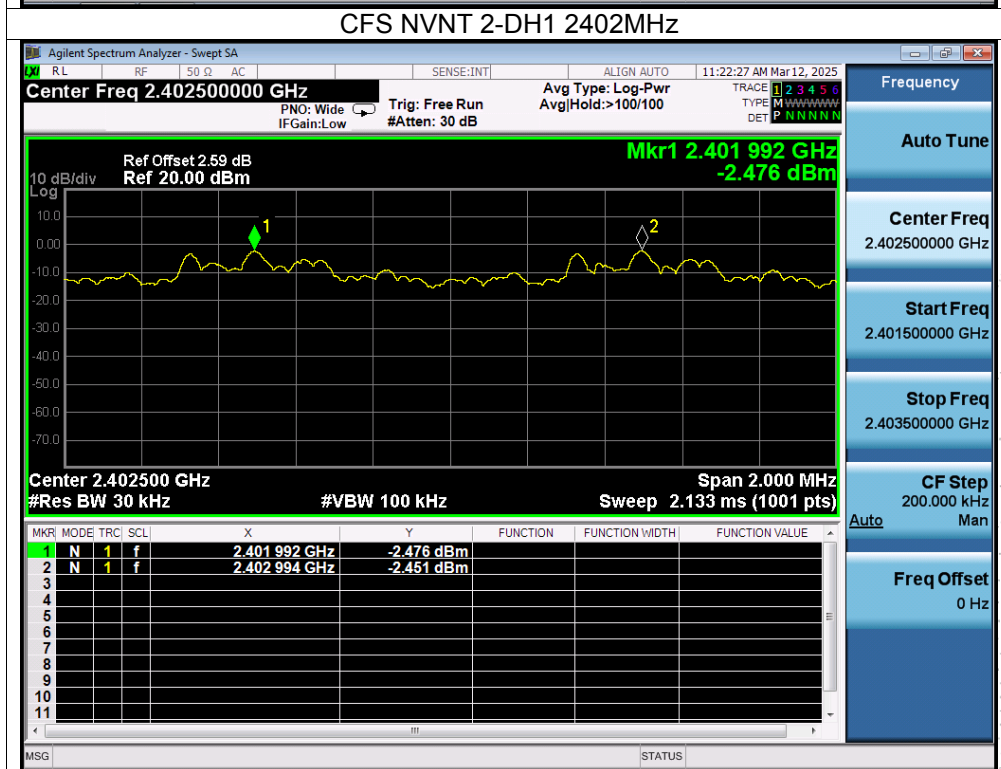
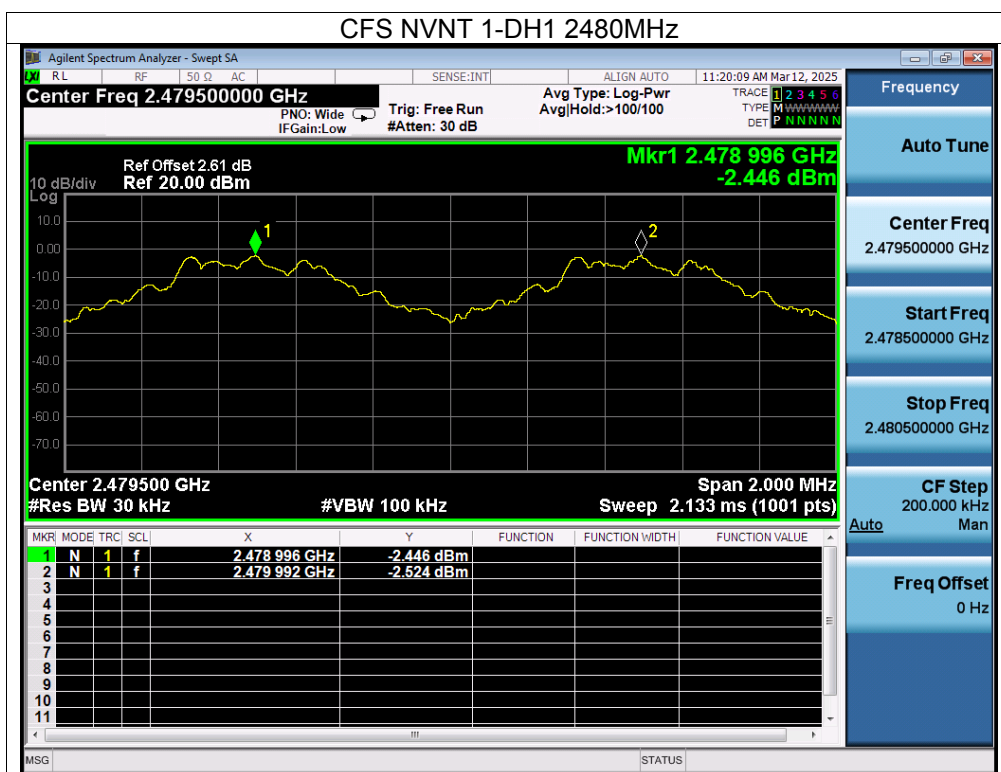
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 30kHz. VBW = 100kHz , Span = 2.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.
3. Allow the trace to stabilize. Use the marker-delta function to 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.

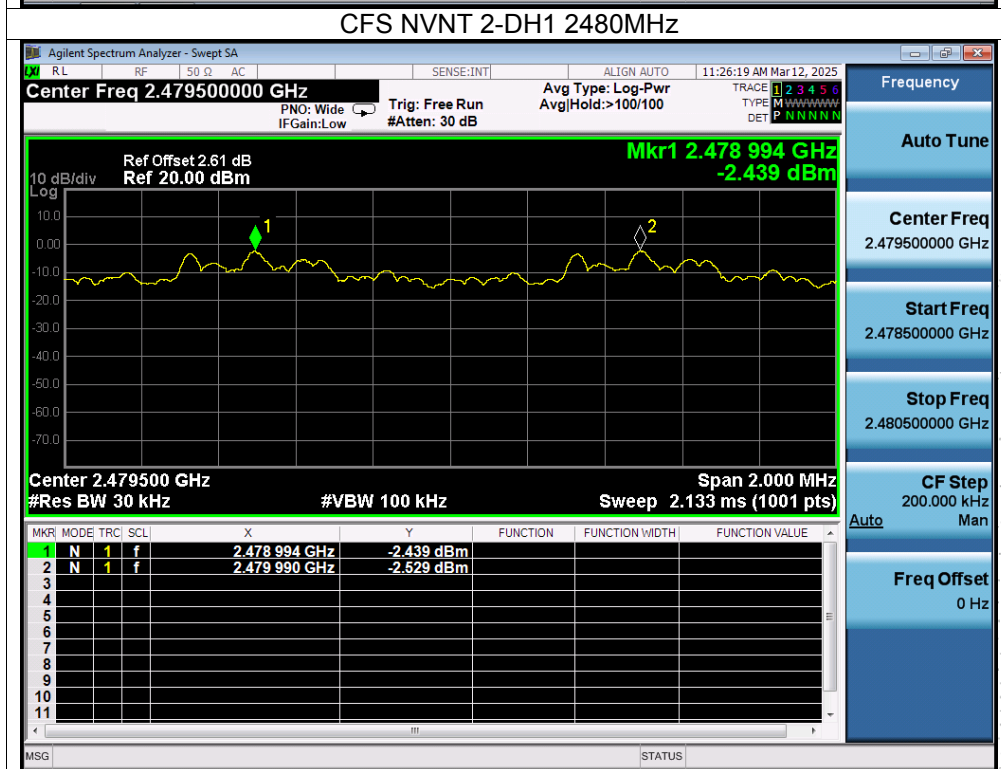
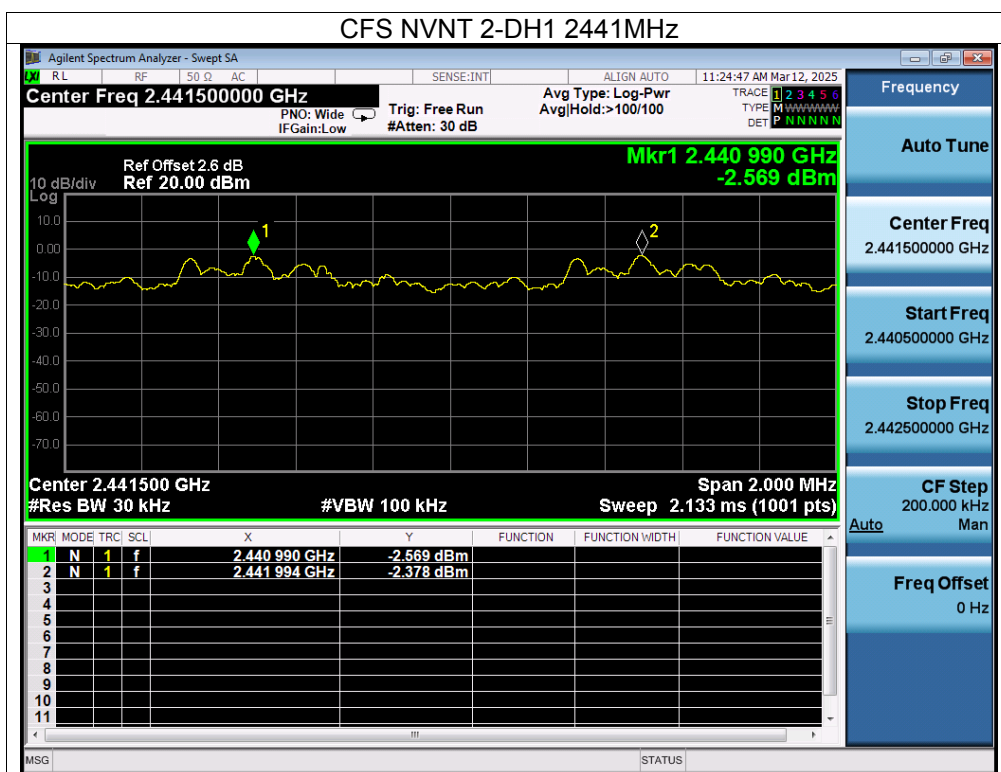
12.4 Test Result

Left

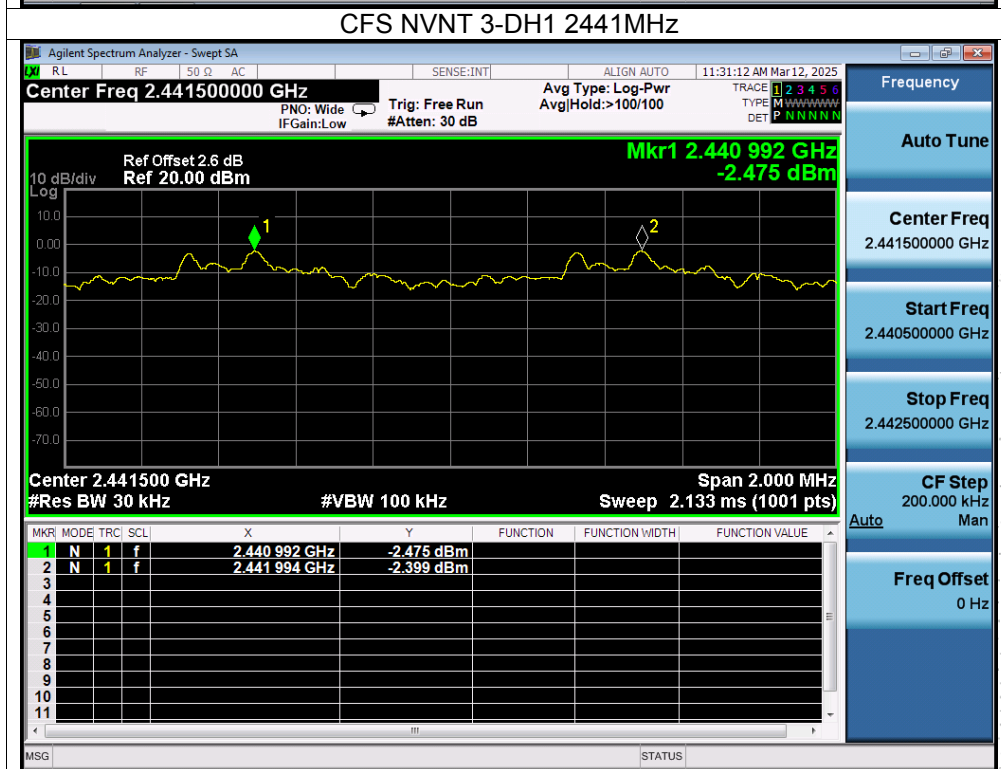
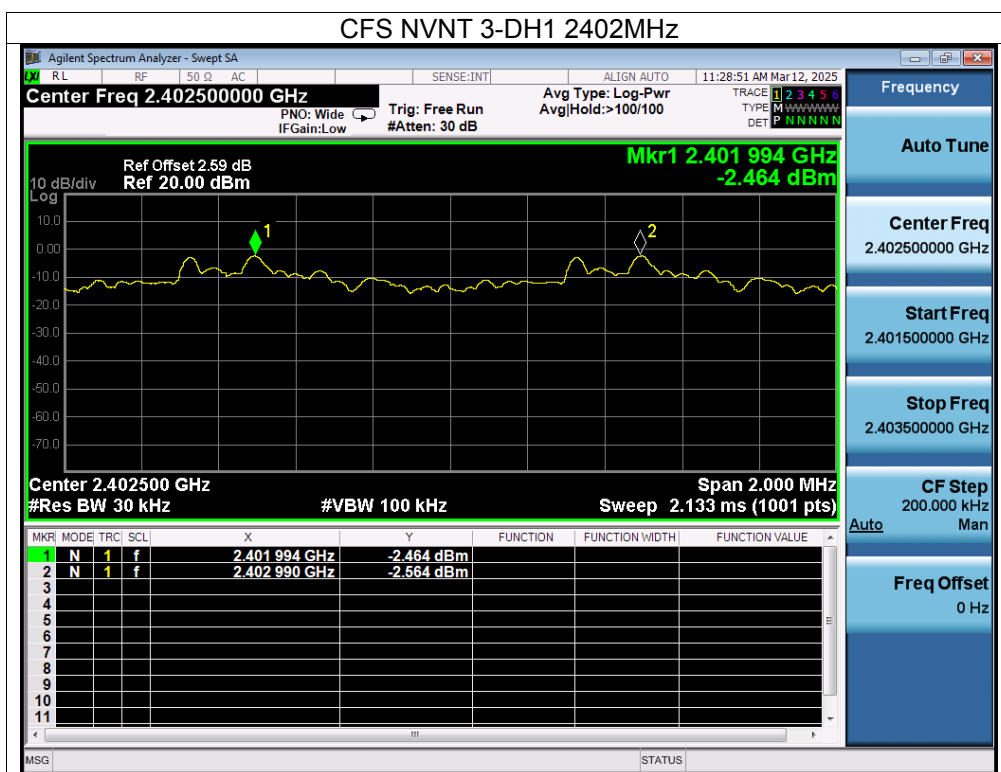
Mode	Test Channel	Separation (MHz)	Limit(MHz)	Result
1-DH1	Low	1.000	0.599	PASS
1-DH1	Middle	1.004	0.614	PASS
1-DH1	High	0.996	0.585	PASS
2-DH1	Low	1.002	0.812	PASS
2-DH1	Middle	1.004	0.840	PASS
2-DH1	High	0.996	0.835	PASS
3-DH1	Low	0.996	0.795	PASS
3-DH1	Middle	1.002	0.803	PASS
3-DH1	High	1.002	0.803	PASS

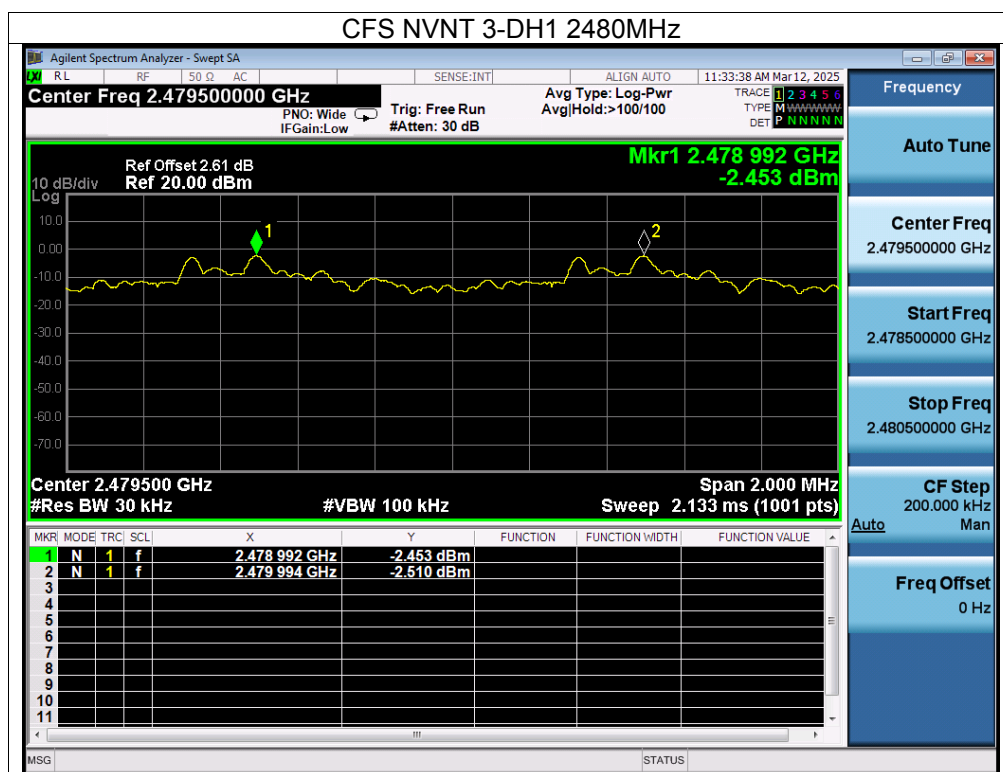






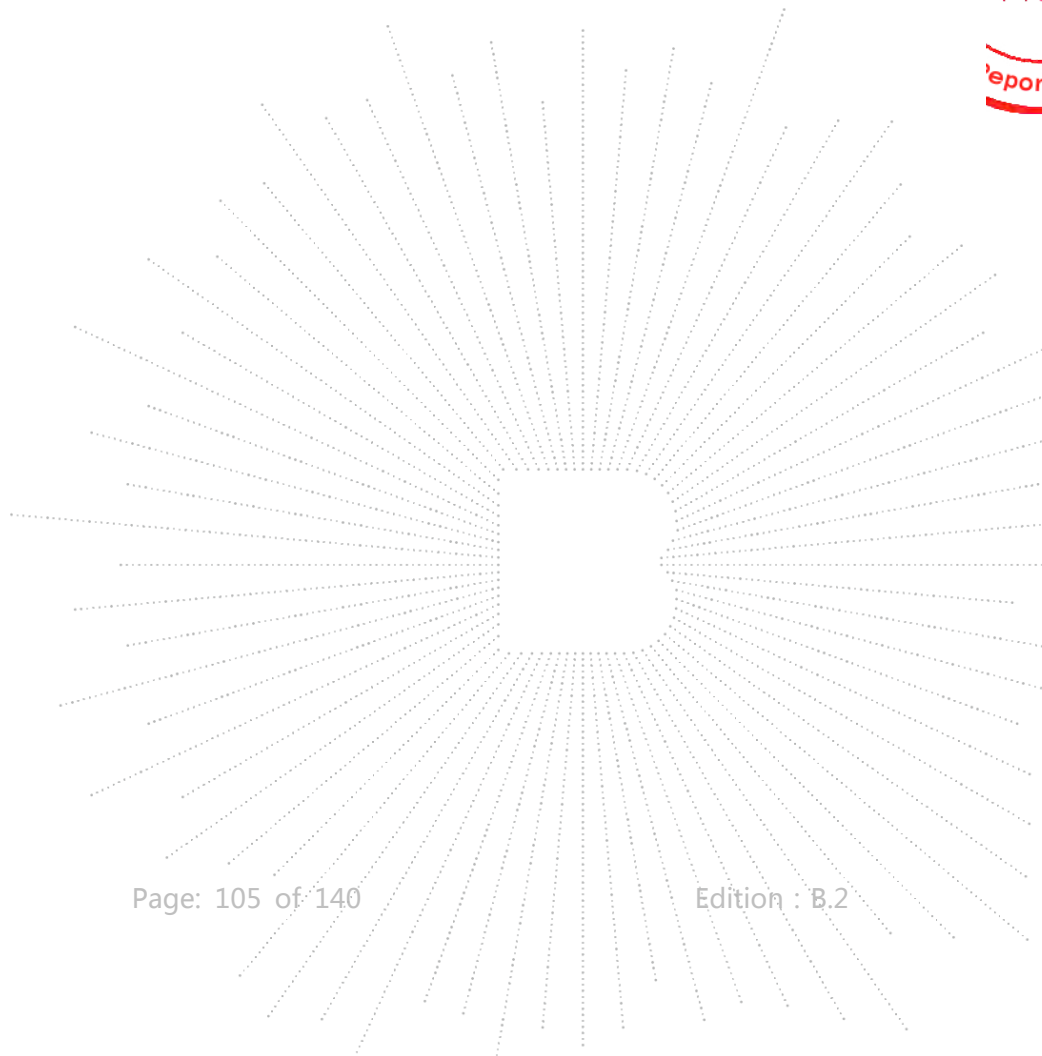
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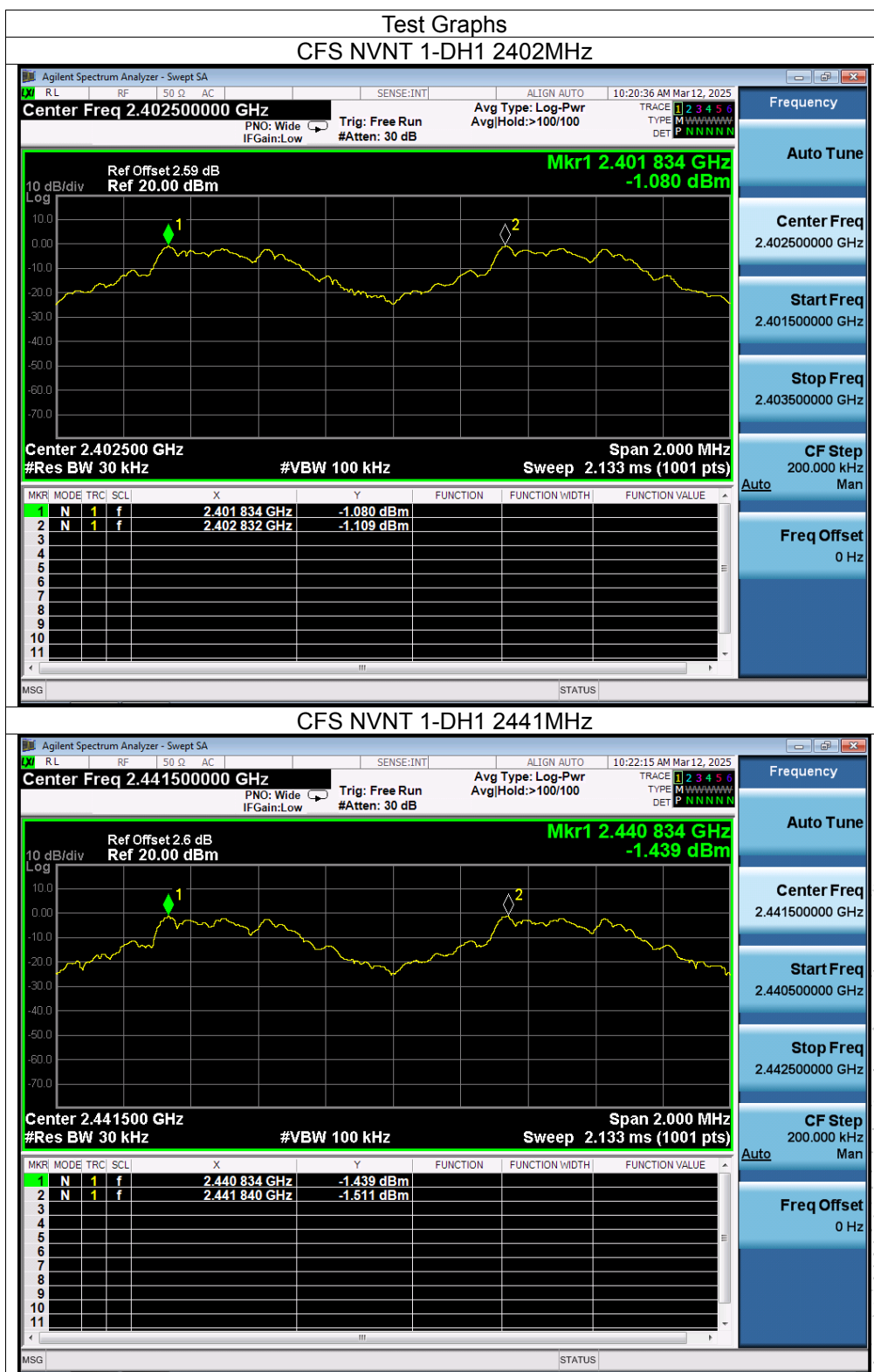


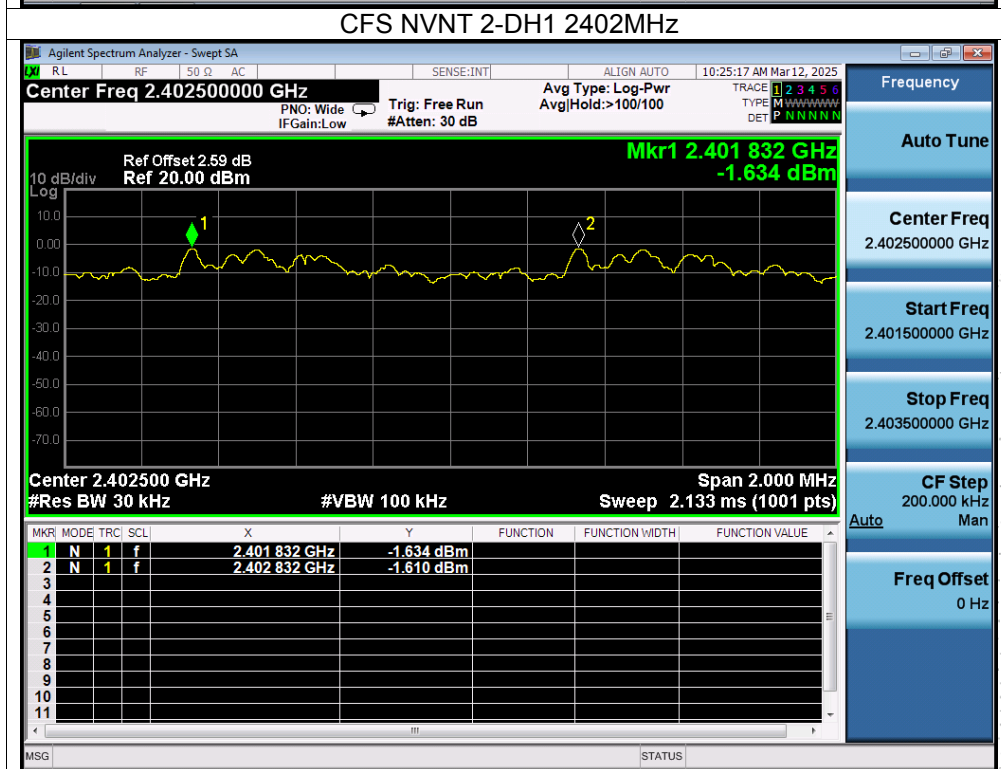
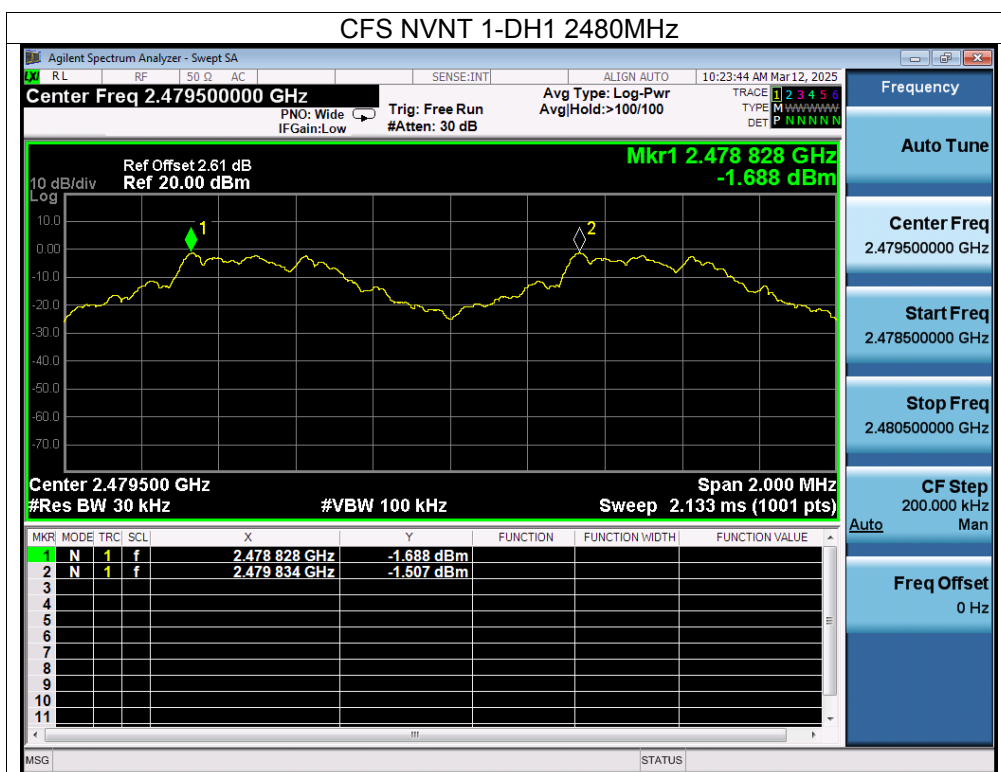


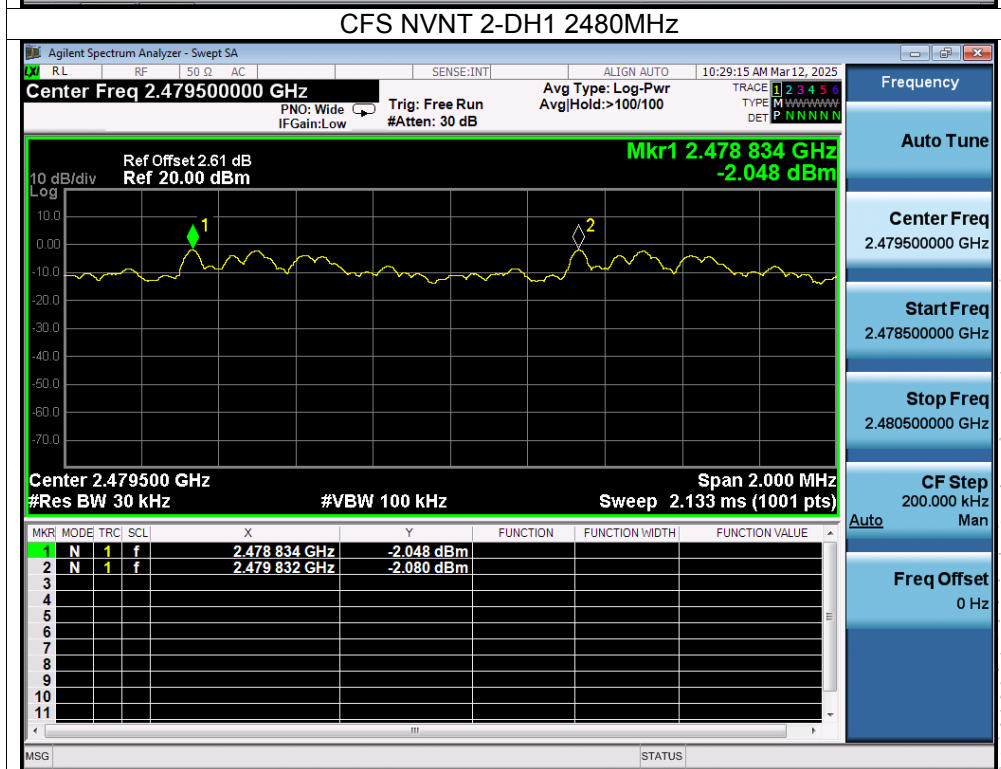
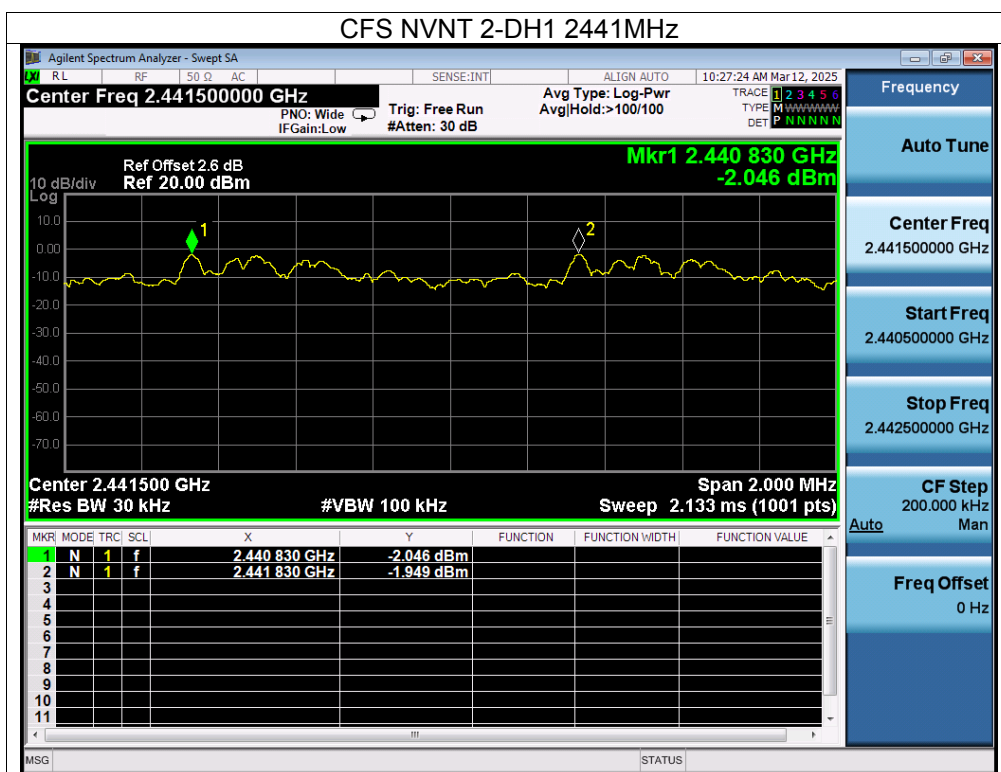
Right

Mode	Test Channel	Separation (MHz)	Limit(MHz)	Result
1-DH1	Low	0.998	0.617	PASS
1-DH1	Middle	1.006	0.620	PASS
1-DH1	High	1.006	0.595	PASS
2-DH1	Low	1.000	0.838	PASS
2-DH1	Middle	1.000	0.826	PASS
2-DH1	High	0.998	0.837	PASS
3-DH1	Low	1.000	0.807	PASS
3-DH1	Middle	0.998	0.802	PASS
3-DH1	High	1.000	0.804	PASS









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