

Appendix Test Data

Report No.:	18220WC30255501	Test Sample No.:	1-2-2
Start Test Date:	2023.12.01	Finish Test Date:	2023.12.05
Test Engineer:	<i>Hayman Chen</i>	Auditor:	<i>RICK Luo</i>
Temperature:	25.2°C	Relative Humidity:	43%
Pressure:	101kPa		

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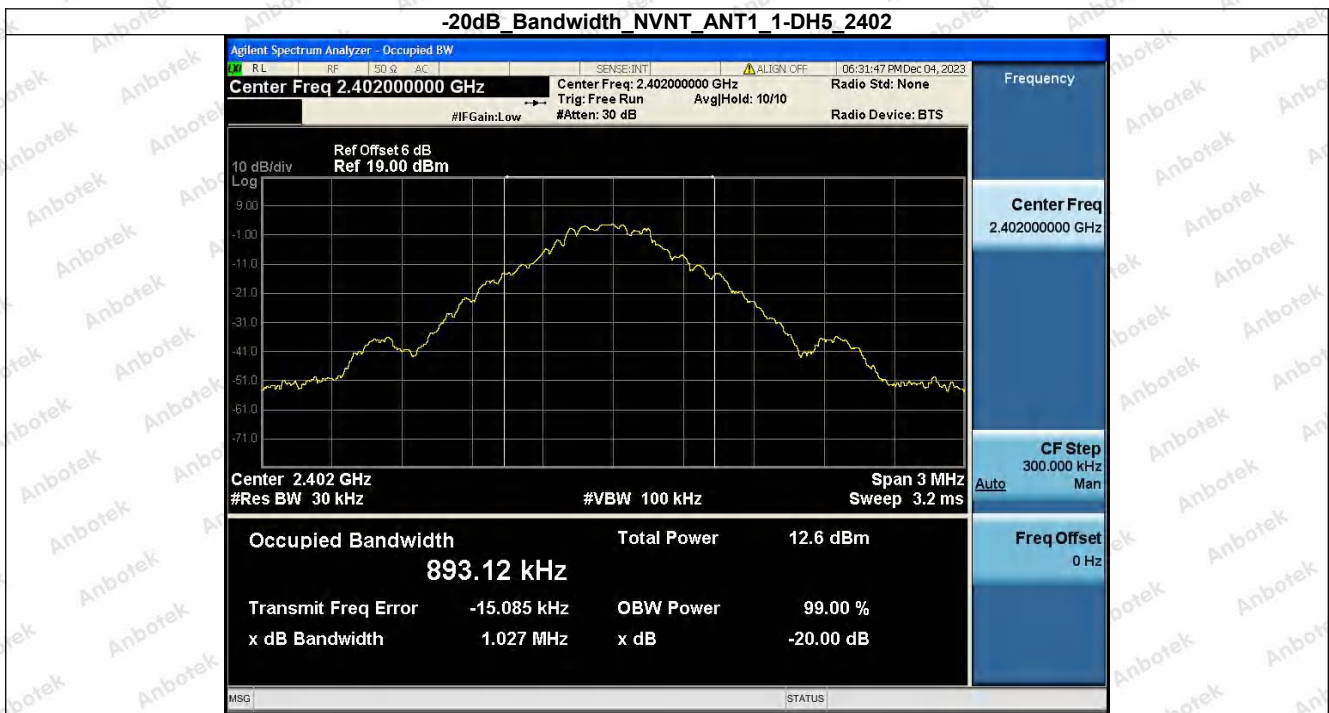
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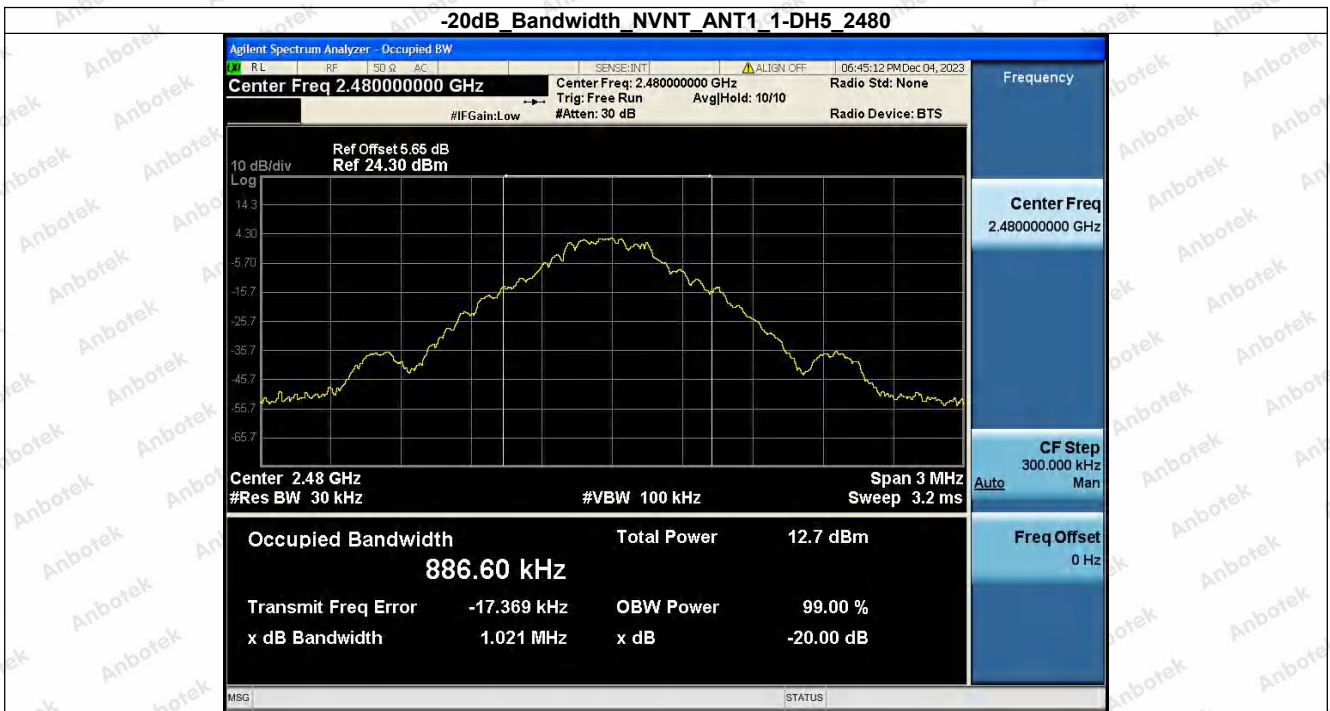
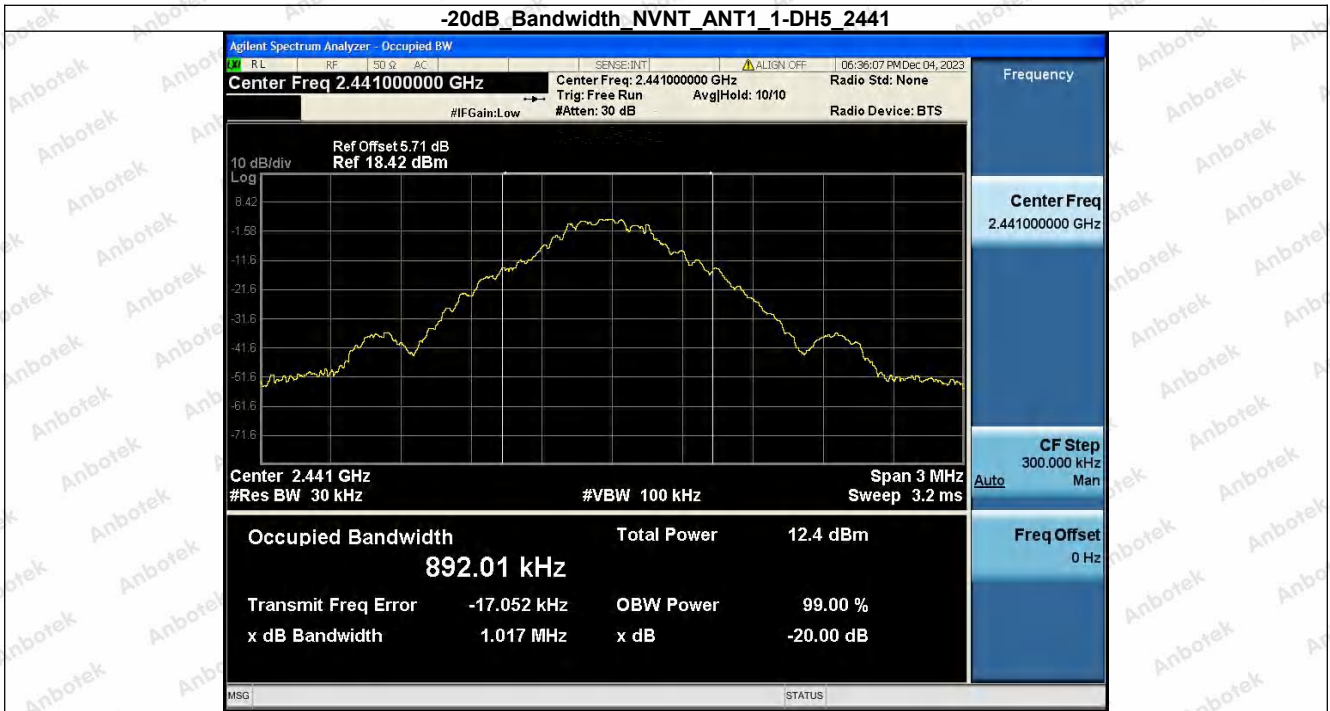


FCC_BT (Part15.247) Test Data

1. -20dB Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	-20dB BW(MHz)	if larger than CFS
NVNT	ANT1	1-DH5	2402	1.027	Yes
NVNT	ANT1	1-DH5	2441	1.017	Yes
NVNT	ANT1	1-DH5	2480	1.021	Yes
NVNT	ANT1	2-DH5	2402	1.326	Yes
NVNT	ANT1	2-DH5	2441	1.320	Yes
NVNT	ANT1	2-DH5	2480	1.322	Yes



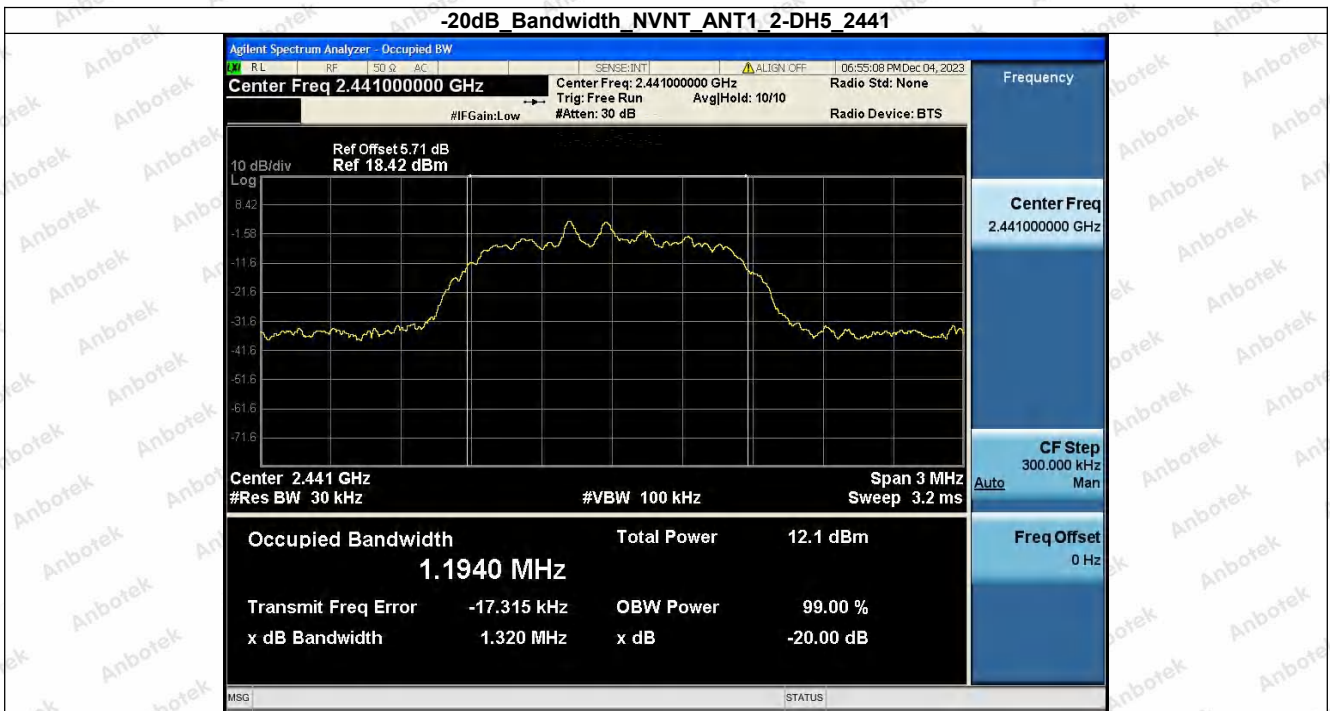
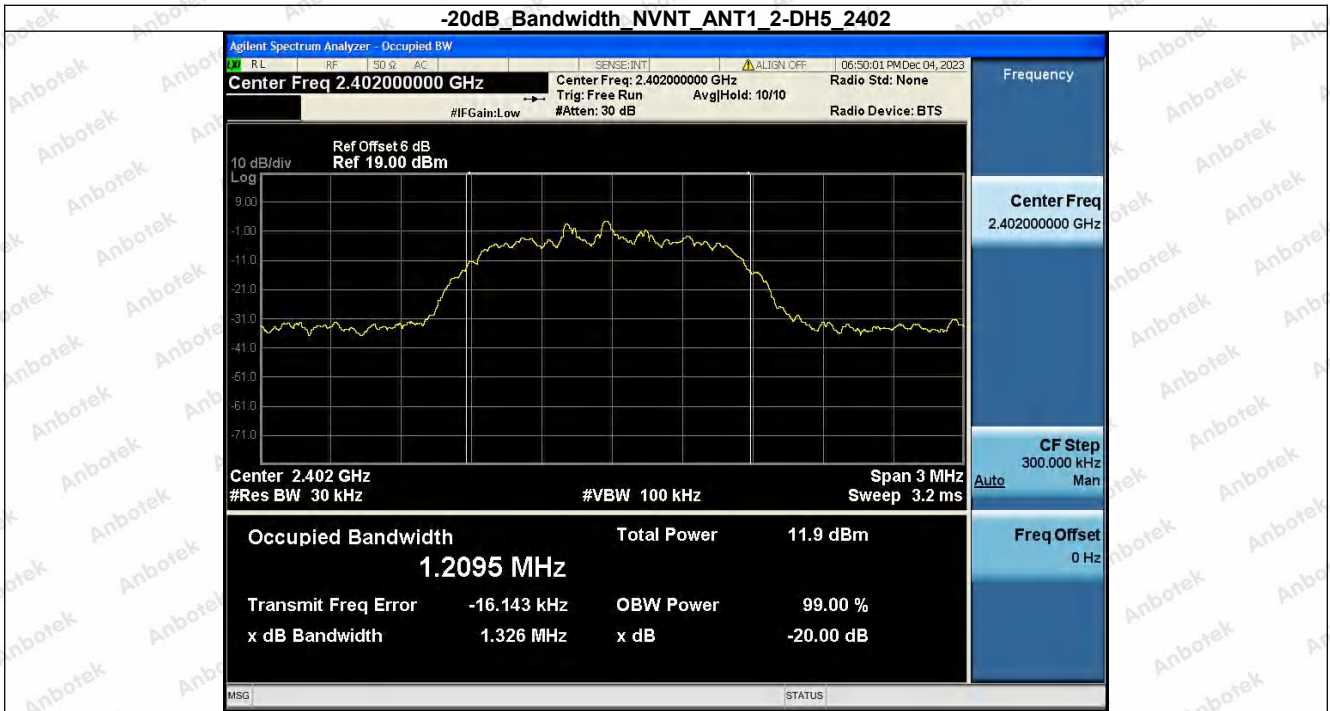


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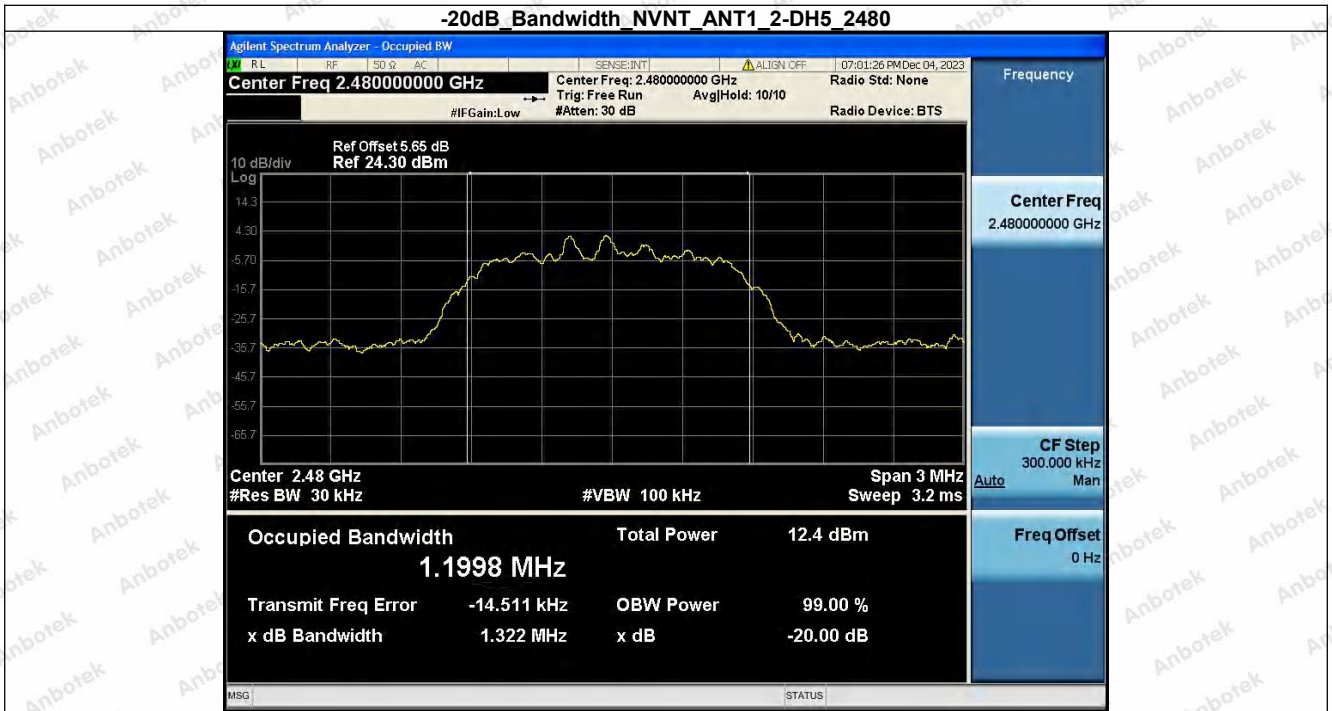
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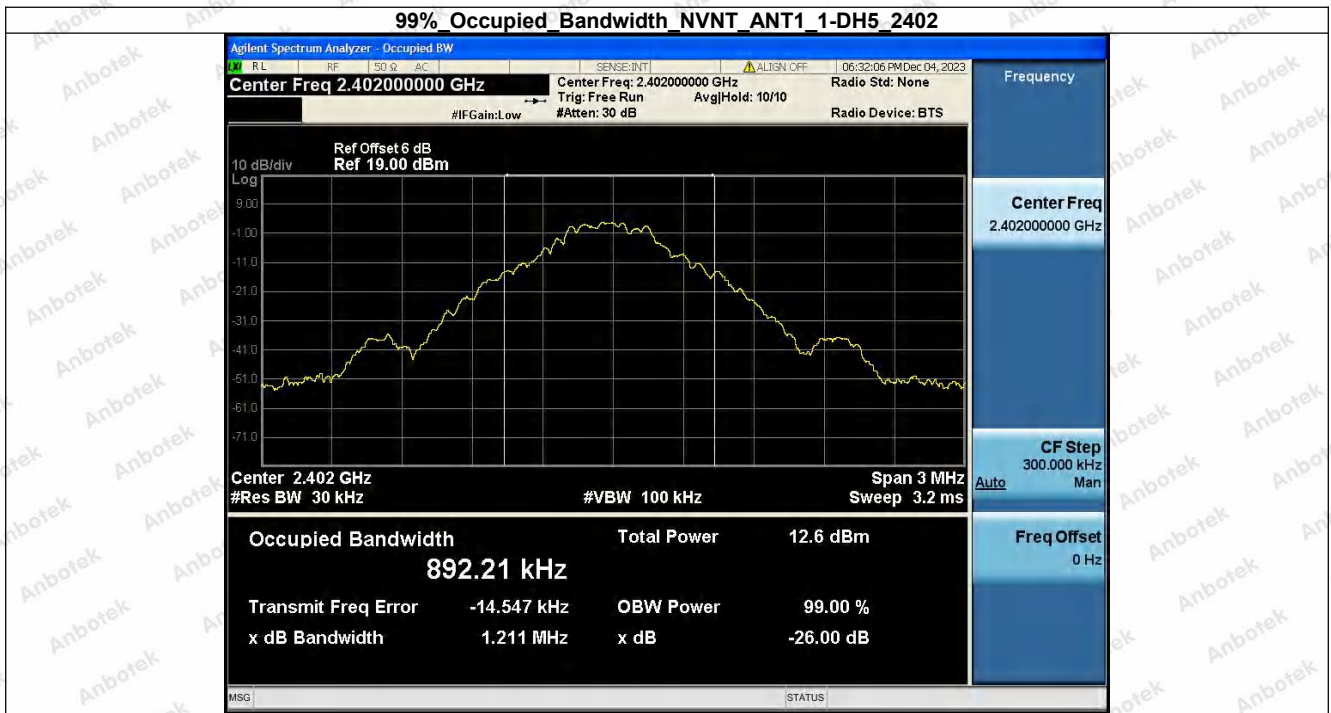


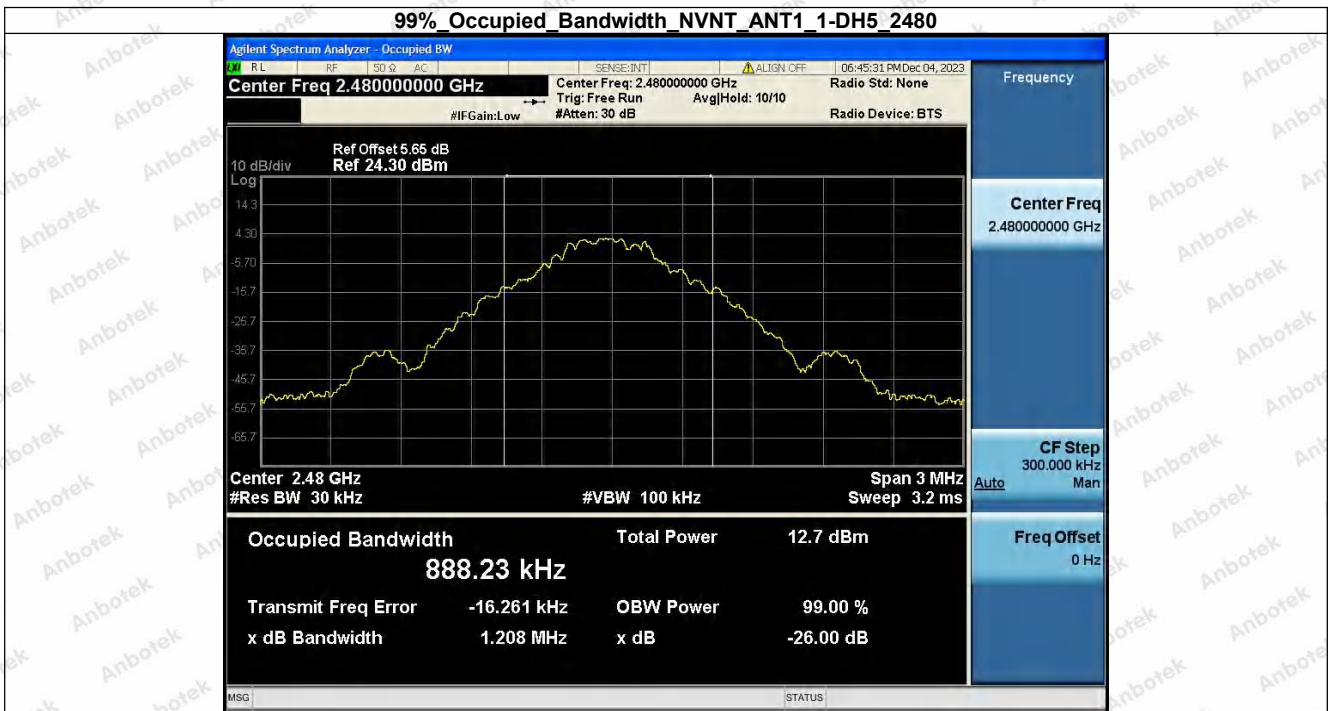
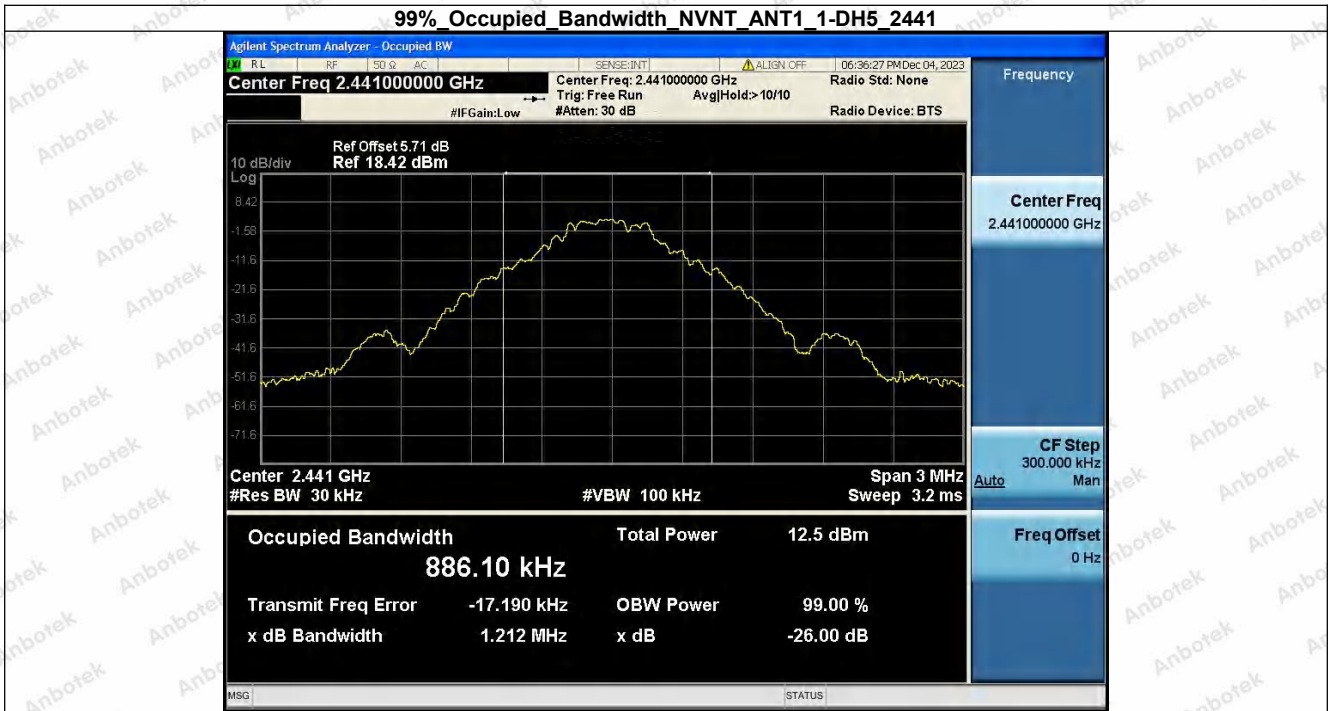
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2. 99% Occupied Bandwidth

Condition	Antenna	Modulation	Frequency (MHz)	99% BW(MHz)
NVNT	ANT1	1-DH5	2402	0.892
NVNT	ANT1	1-DH5	2441	0.886
NVNT	ANT1	1-DH5	2480	0.888
NVNT	ANT1	2-DH5	2402	1.207
NVNT	ANT1	2-DH5	2441	1.198
NVNT	ANT1	2-DH5	2480	1.206



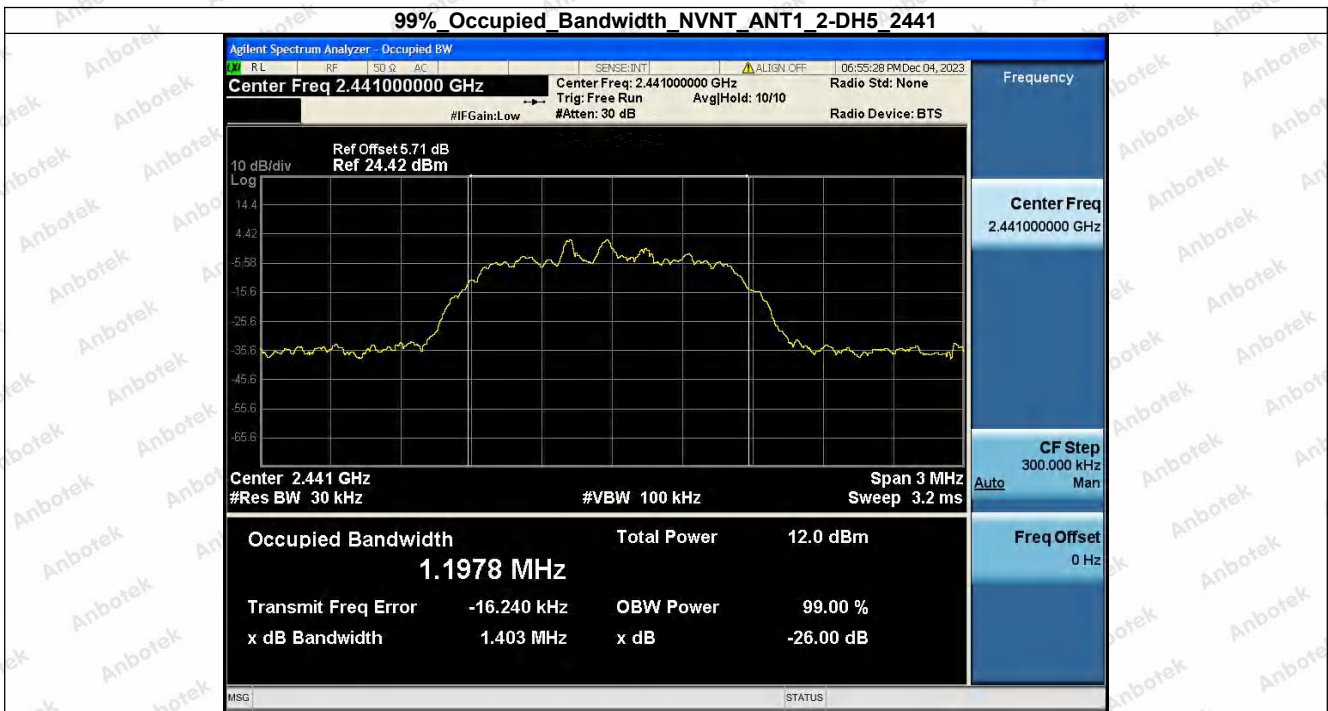
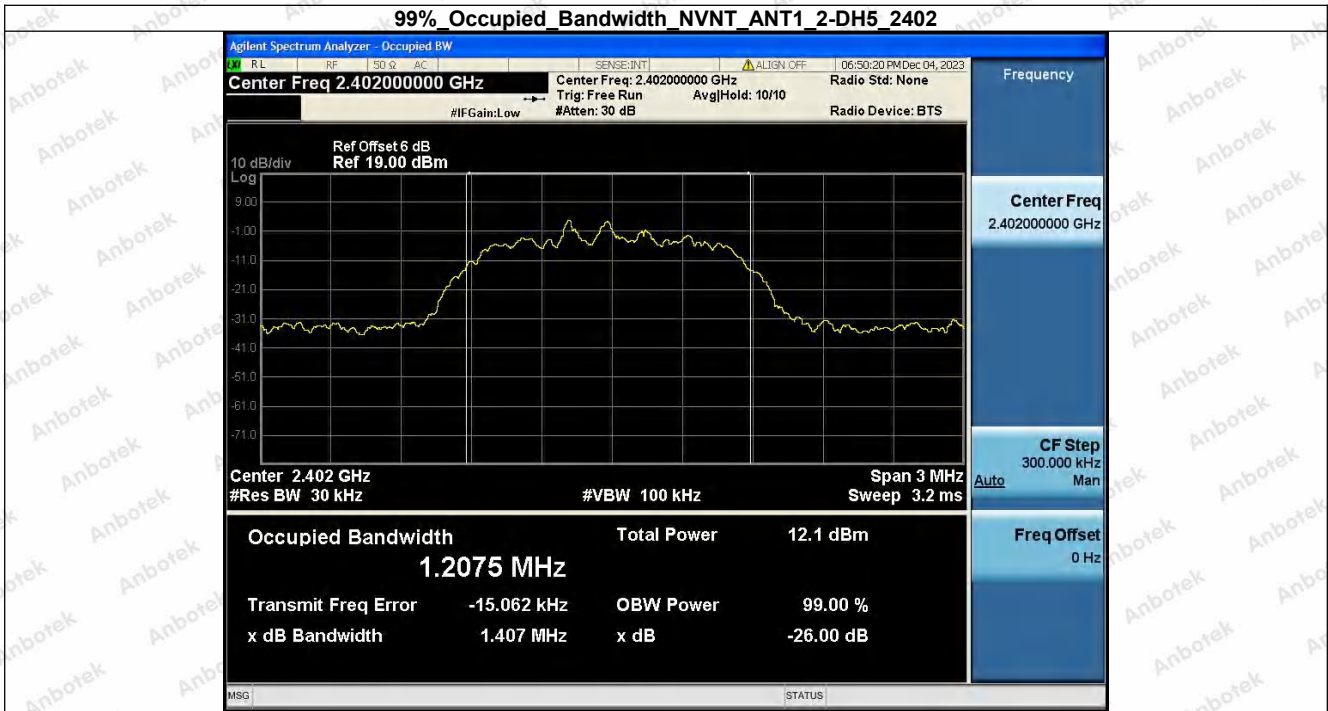


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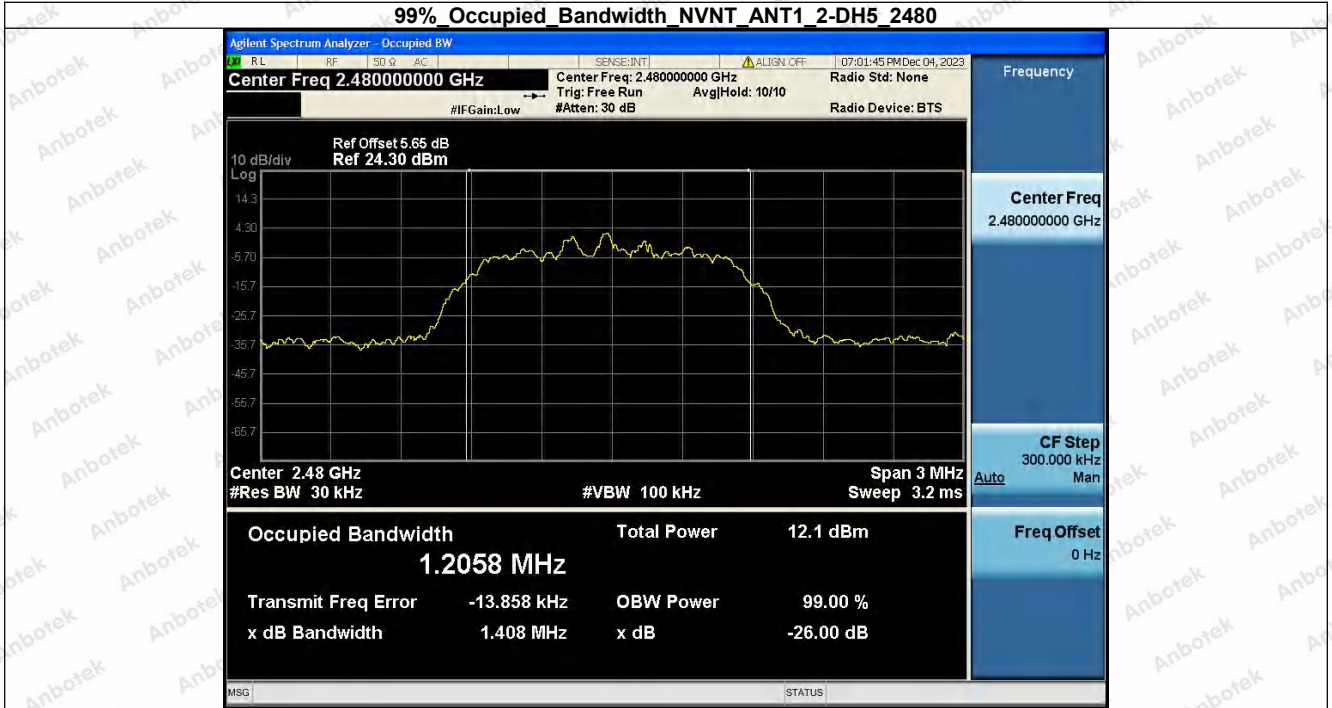
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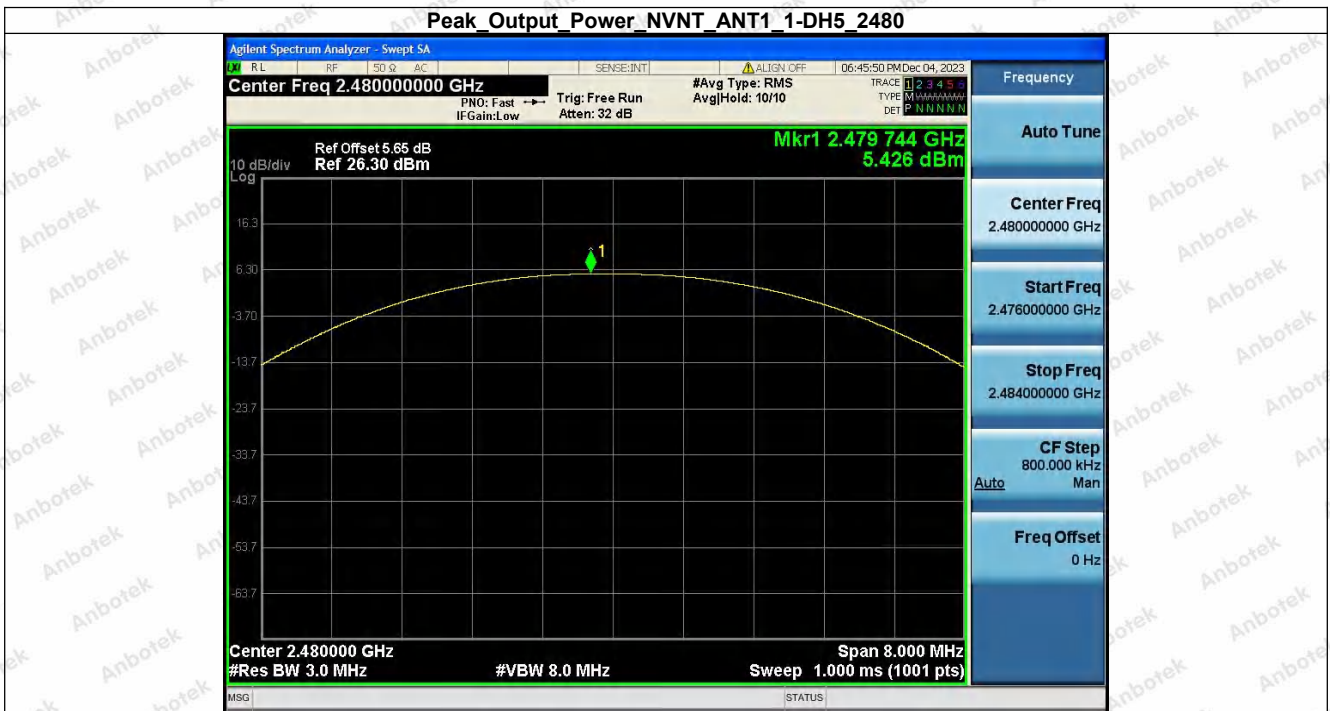
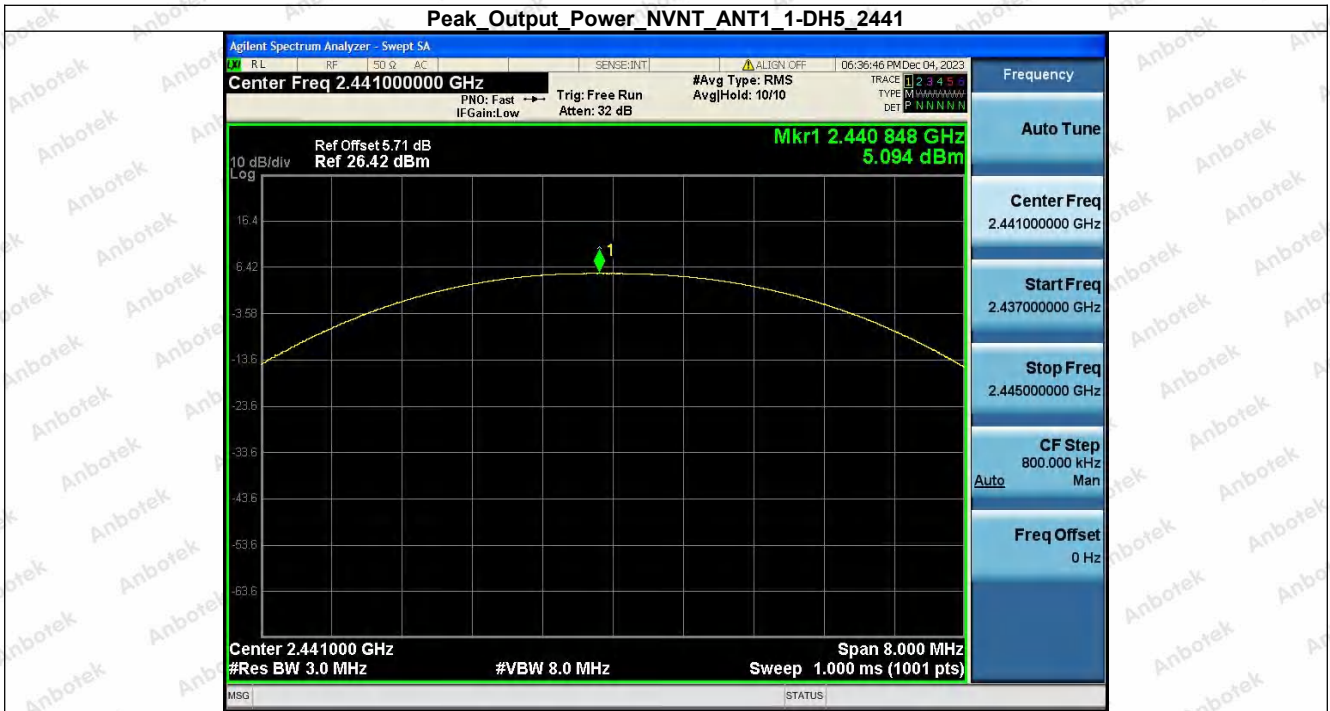
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3. Peak Output Power

Condition	Antenna	Modulation	Frequency (MHz)	Max. Conducted Power(dBm)	Max. Conducted Power(mW)	Limit(mW)	Result
NVNT	ANT1	1-DH5	2402	5.32	3.40	125	Pass
NVNT	ANT1	1-DH5	2441	5.09	3.23	125	Pass
NVNT	ANT1	1-DH5	2480	5.43	3.49	125	Pass
NVNT	ANT1	2-DH5	2402	5.88	3.88	125	Pass
NVNT	ANT1	2-DH5	2441	5.71	3.72	125	Pass
NVNT	ANT1	2-DH5	2480	6.05	4.03	125	Pass



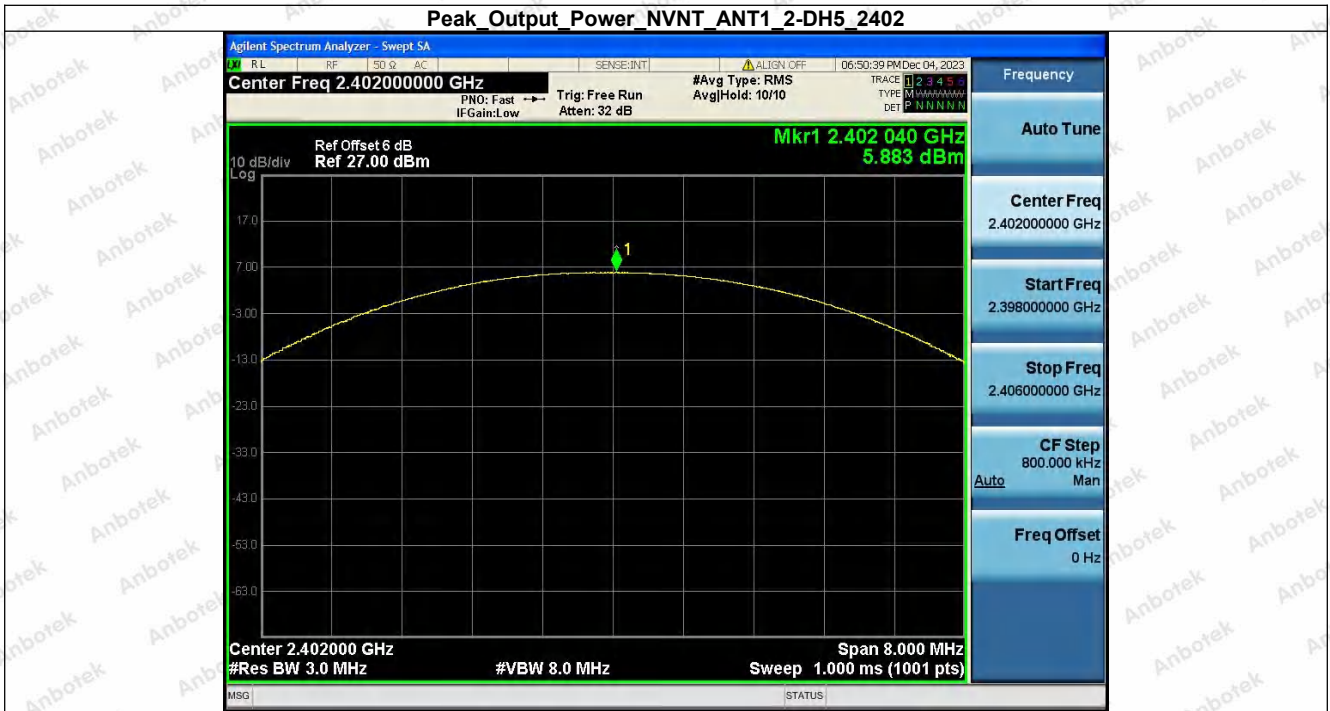


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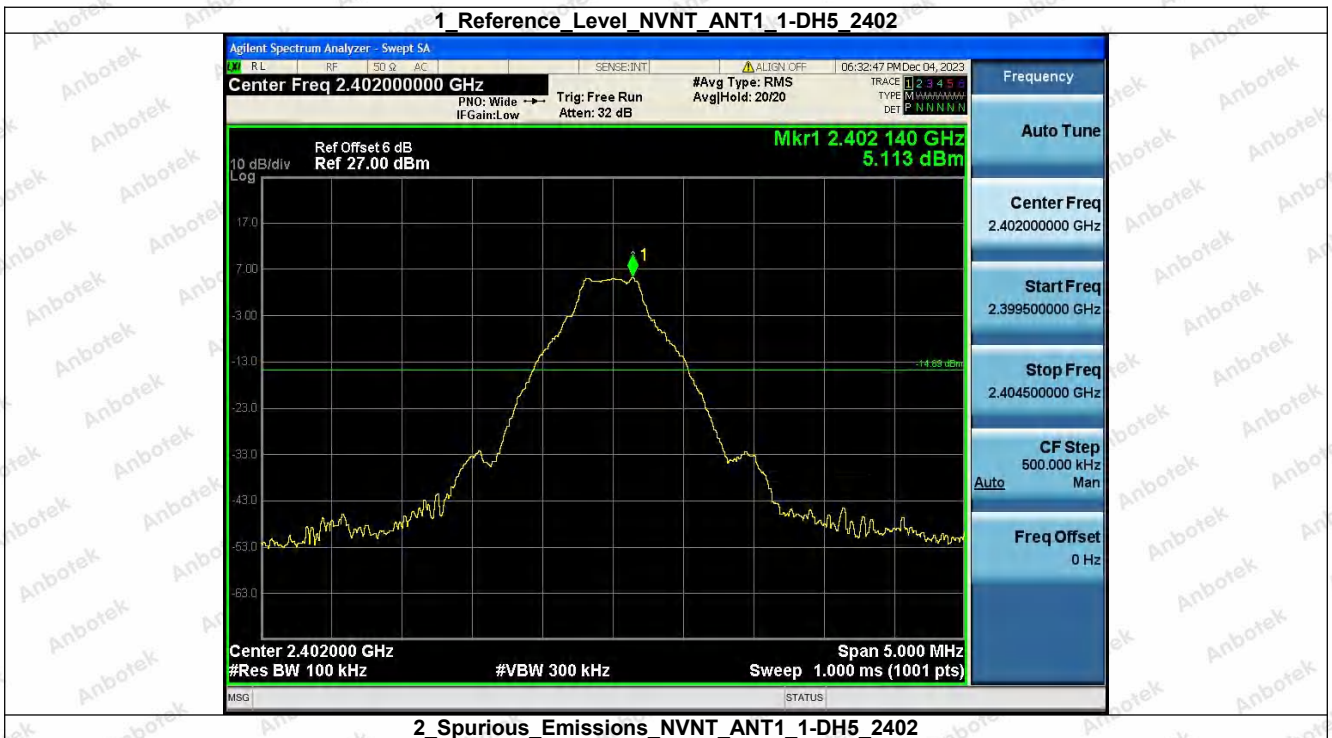


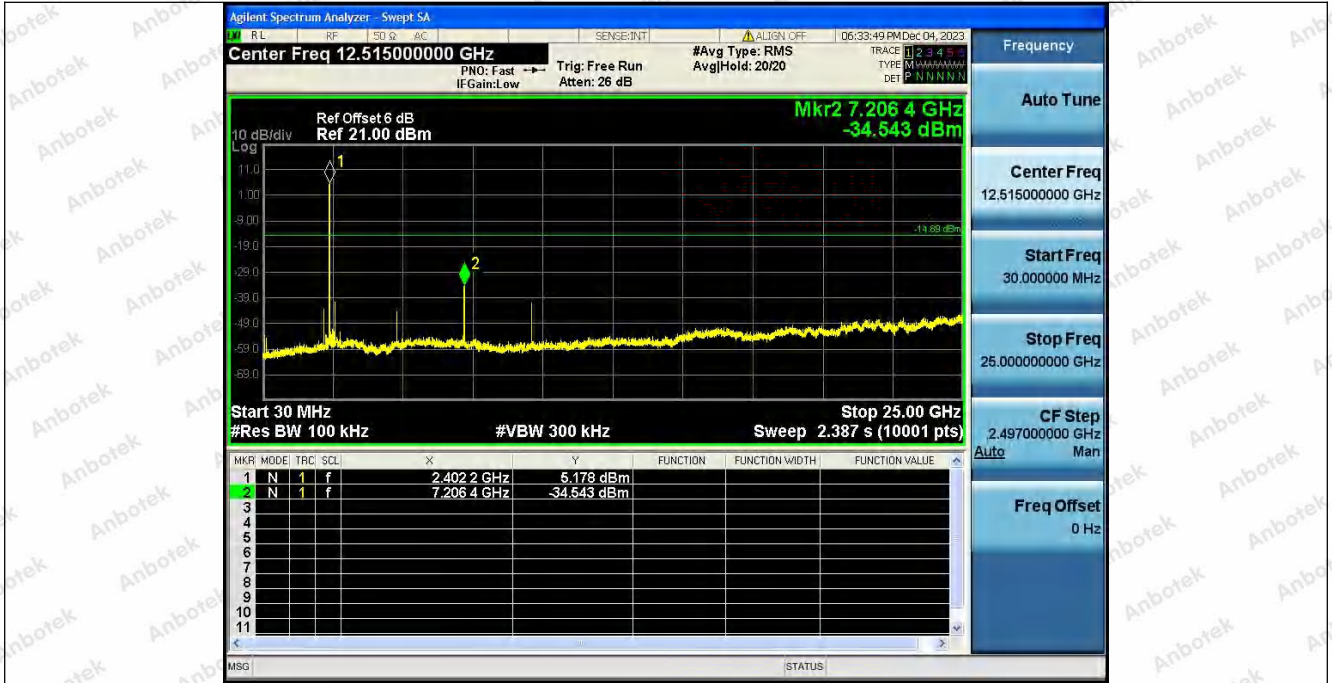
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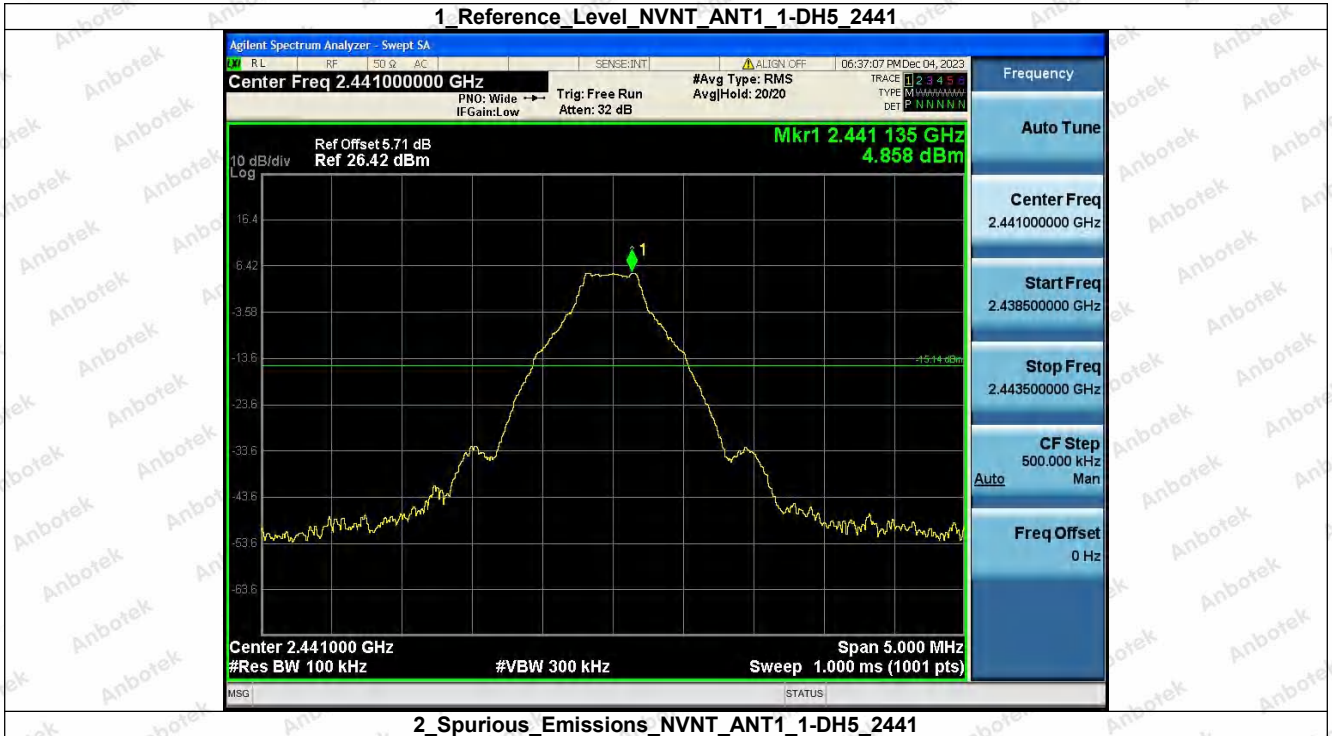
4. Spurious Emissions

Condition	Antenna	Modulation	TX Mode	Spurious MAX.Value(dBm)	Limit	Result
NVNT	ANT1	1-DH5	2402	-34.543	-14.887	Pass
NVNT	ANT1	1-DH5	2441	-38.072	-15.142	Pass
NVNT	ANT1	1-DH5	2480	-31.553	-14.688	Pass
NVNT	ANT1	2-DH5	2402	-41.247	-14.703	Pass
NVNT	ANT1	2-DH5	2441	-42.510	-15.038	Pass
NVNT	ANT1	2-DH5	2480	-43.133	-14.674	Pass





1 Reference Level_NVNT_ANT1_1-DH5_2441



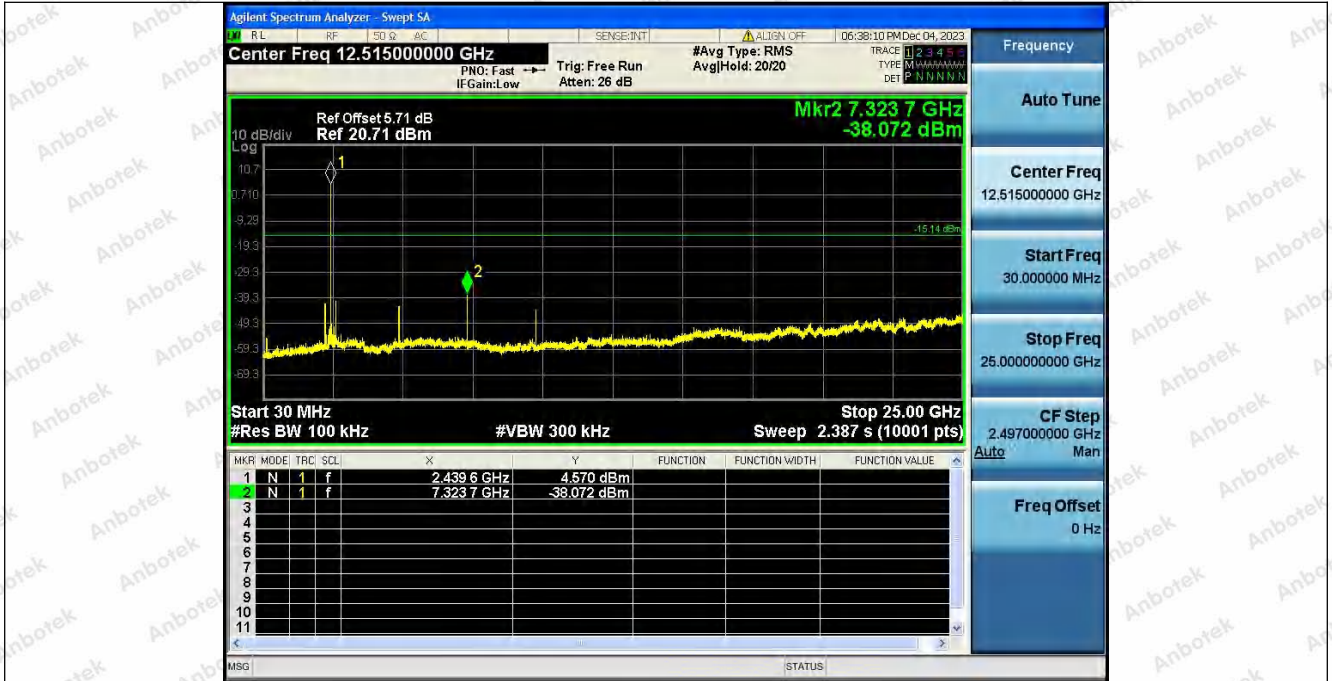
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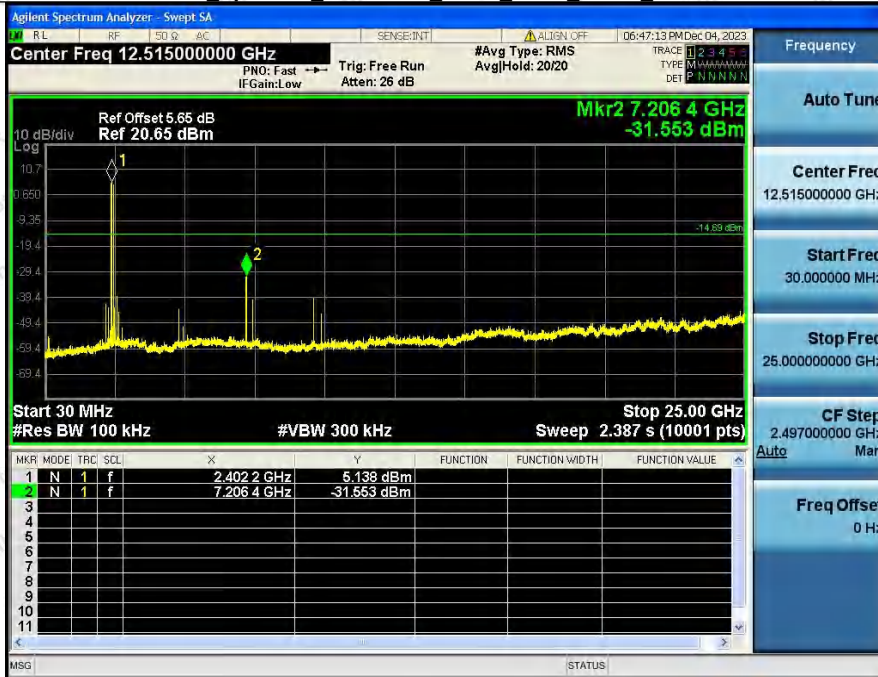
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1 Reference Level NVNT ANT1 1-DH5 2480



2 Spurious Emissions NVNT ANT1 1-DH5 2480

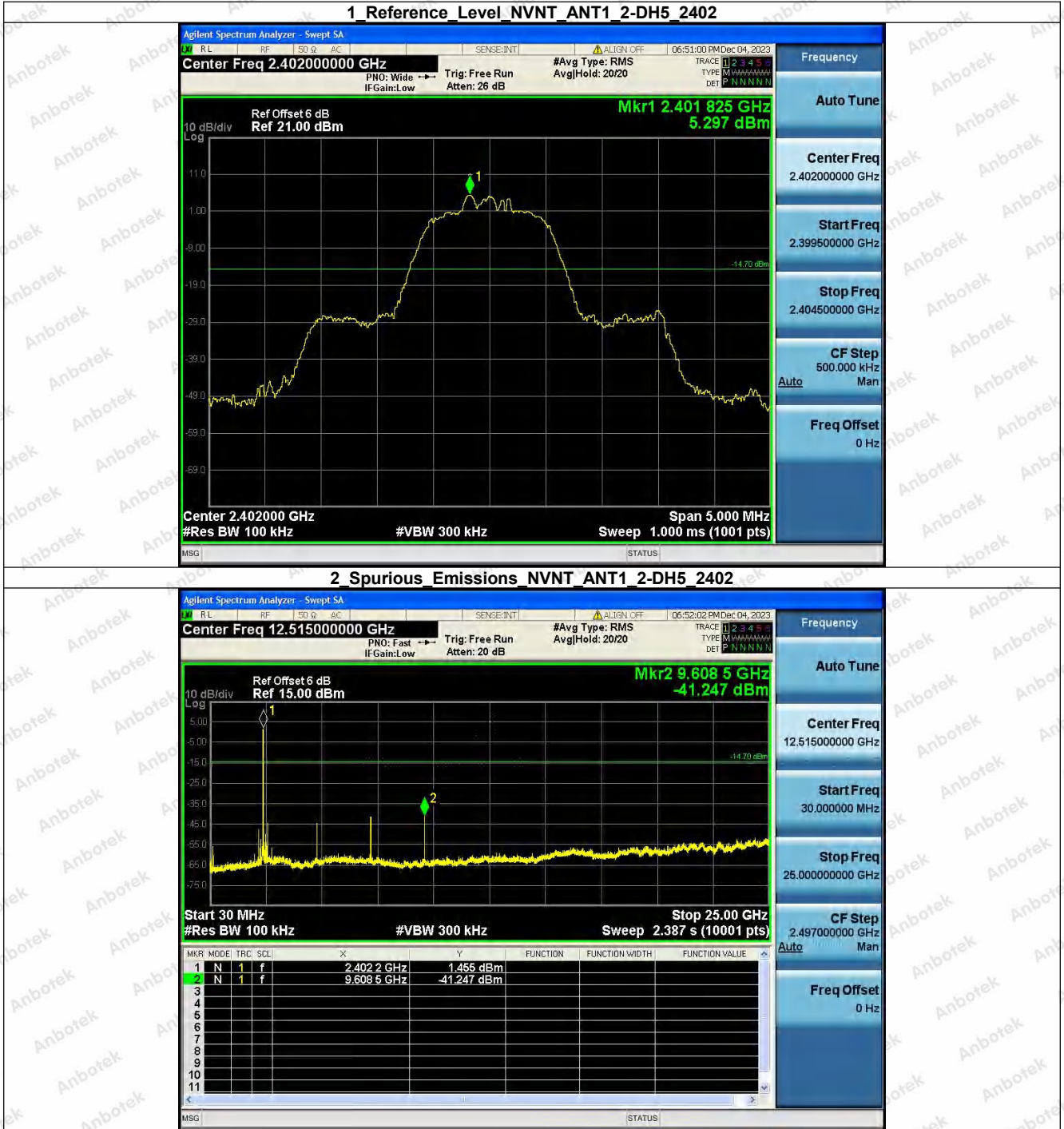


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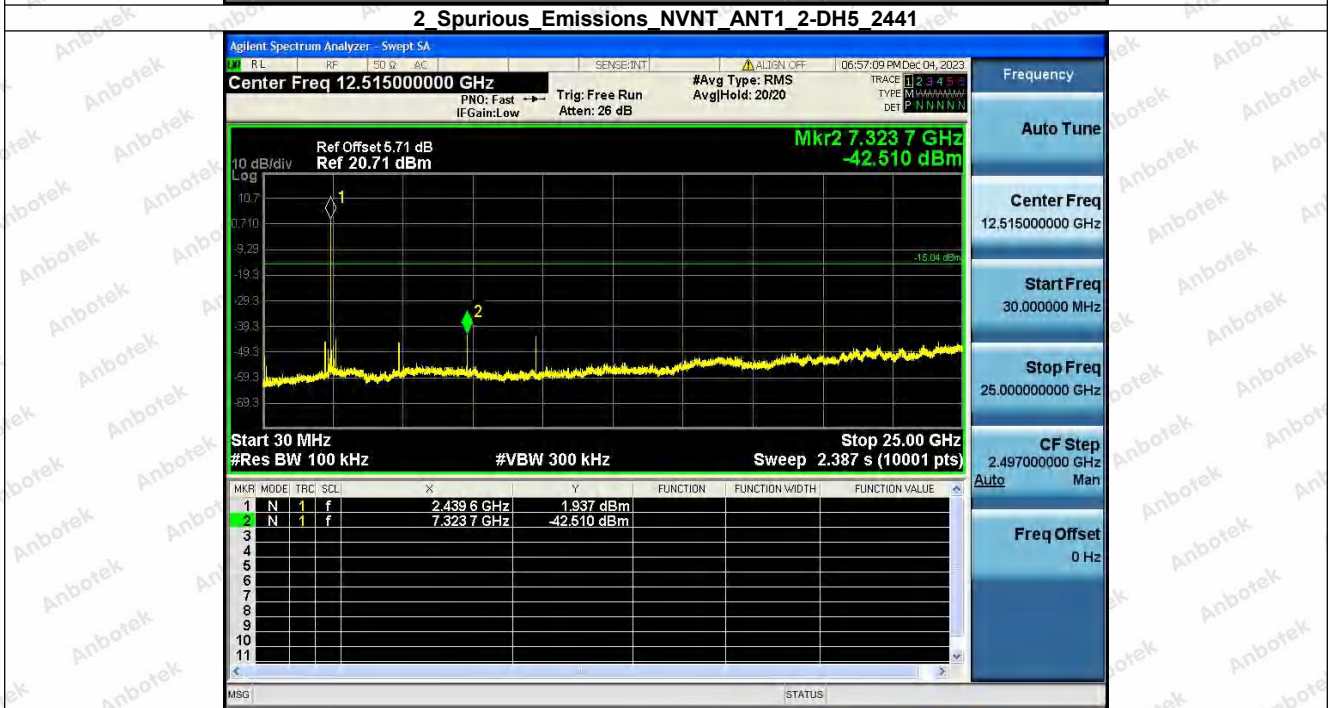
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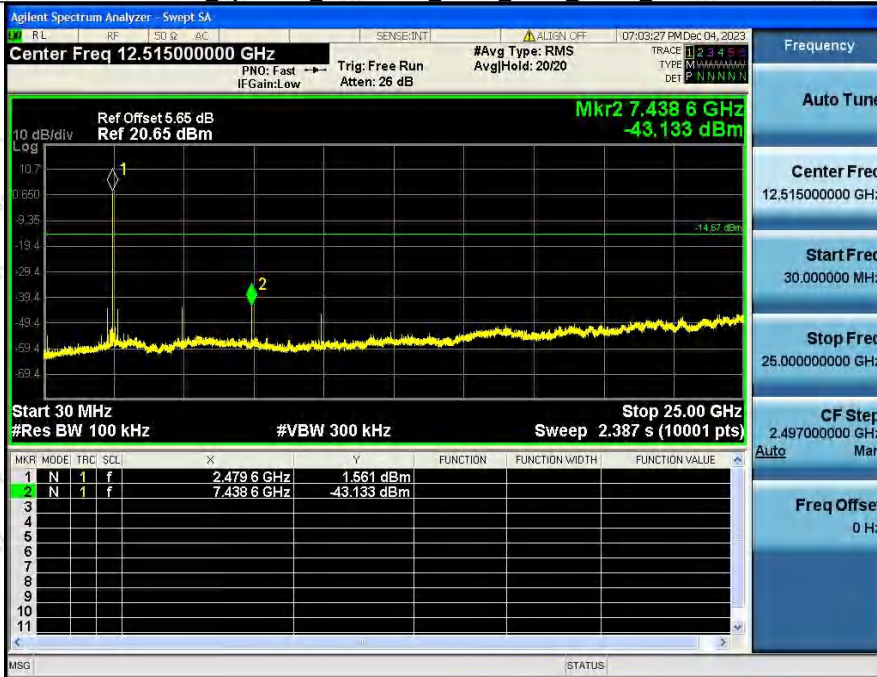
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1 Reference Level NVNT ANT1 2-DH5 2480



2 Spurious Emissions NVNT ANT1 2-DH5 2480



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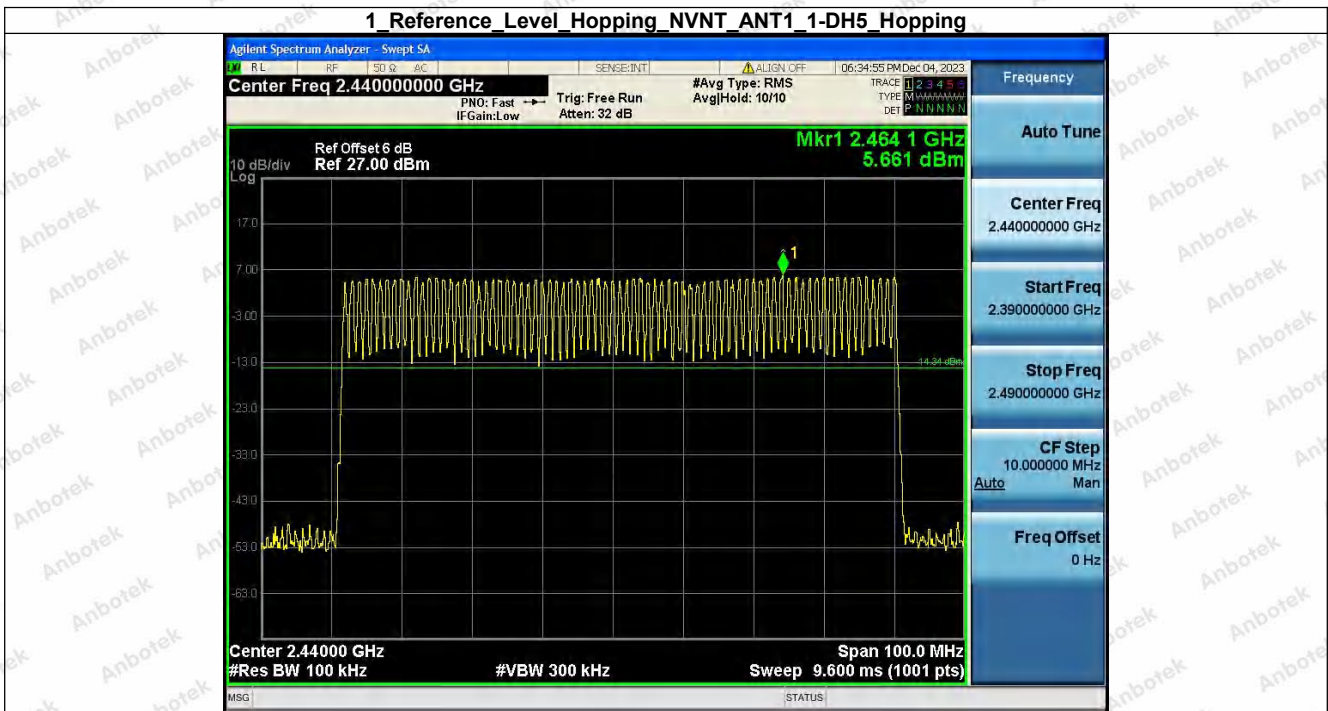
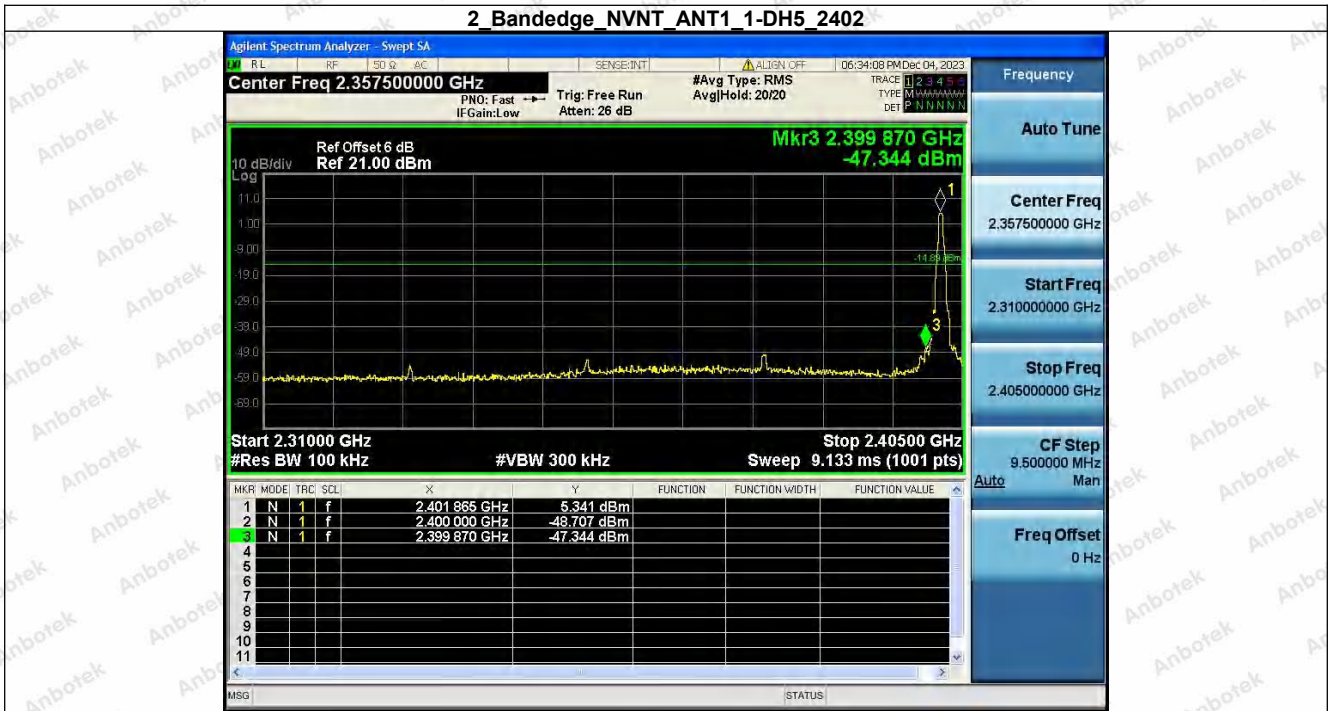
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5. Bandedge

Condition	Antenna	Modulation	TX Mode	Bandedge MAX.Value	Limit	Result
NVNT	ANT1	1-DH5	2402	-47.344	-14.887	Pass
NVNT	ANT1	1-DH5	Hopping_LCH	-49.144	-14.339	Pass
NVNT	ANT1	1-DH5	2480	-56.601	-14.688	Pass
NVNT	ANT1	1-DH5	Hopping_HCH	-46.384	-14.629	Pass
NVNT	ANT1	2-DH5	2402	-44.023	-14.703	Pass
NVNT	ANT1	2-DH5	Hopping_LCH	-49.127	-14.297	Pass
NVNT	ANT1	2-DH5	2480	-53.808	-14.674	Pass
NVNT	ANT1	2-DH5	Hopping_HCH	-47.112	-14.969	Pass



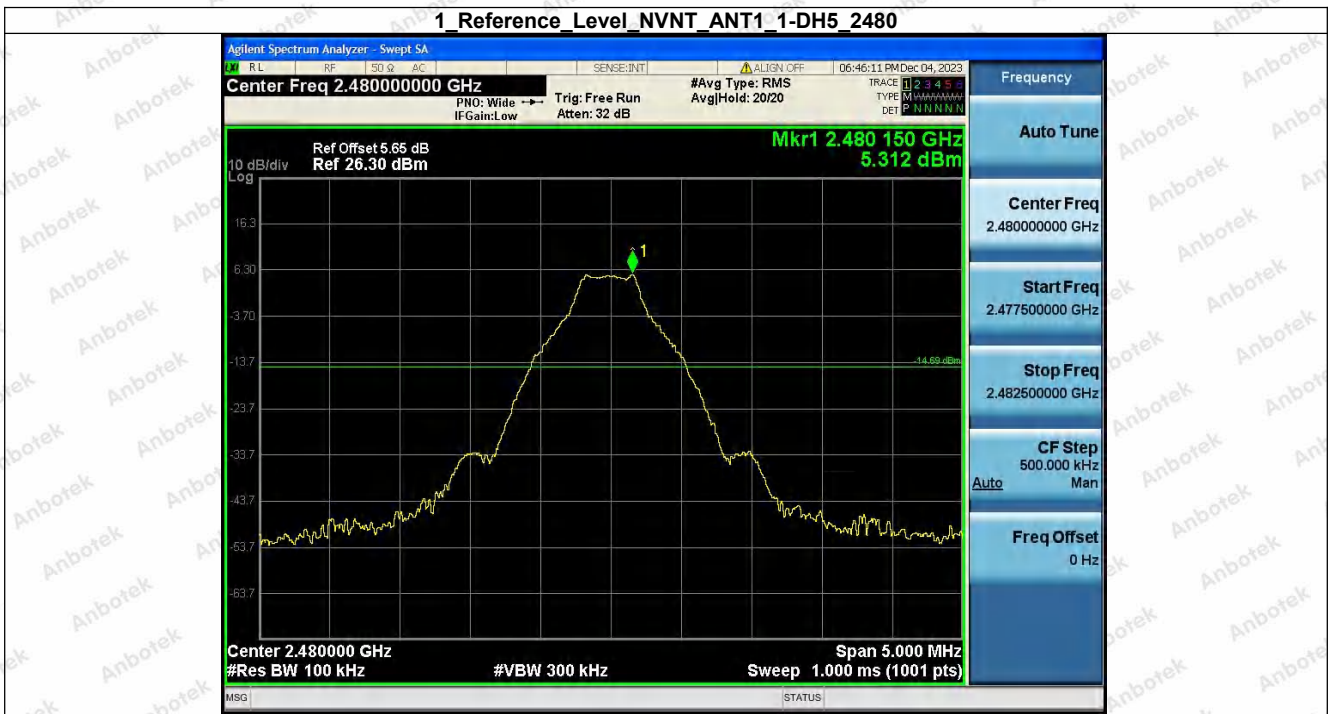
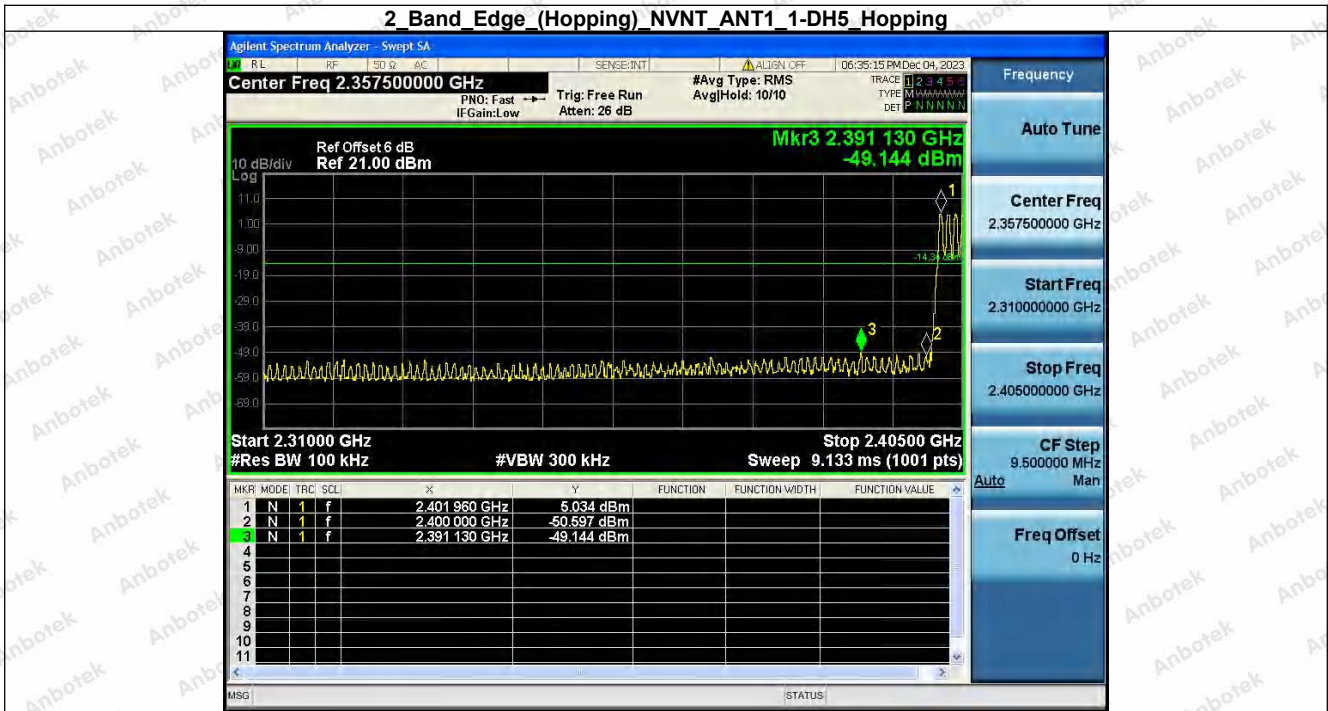


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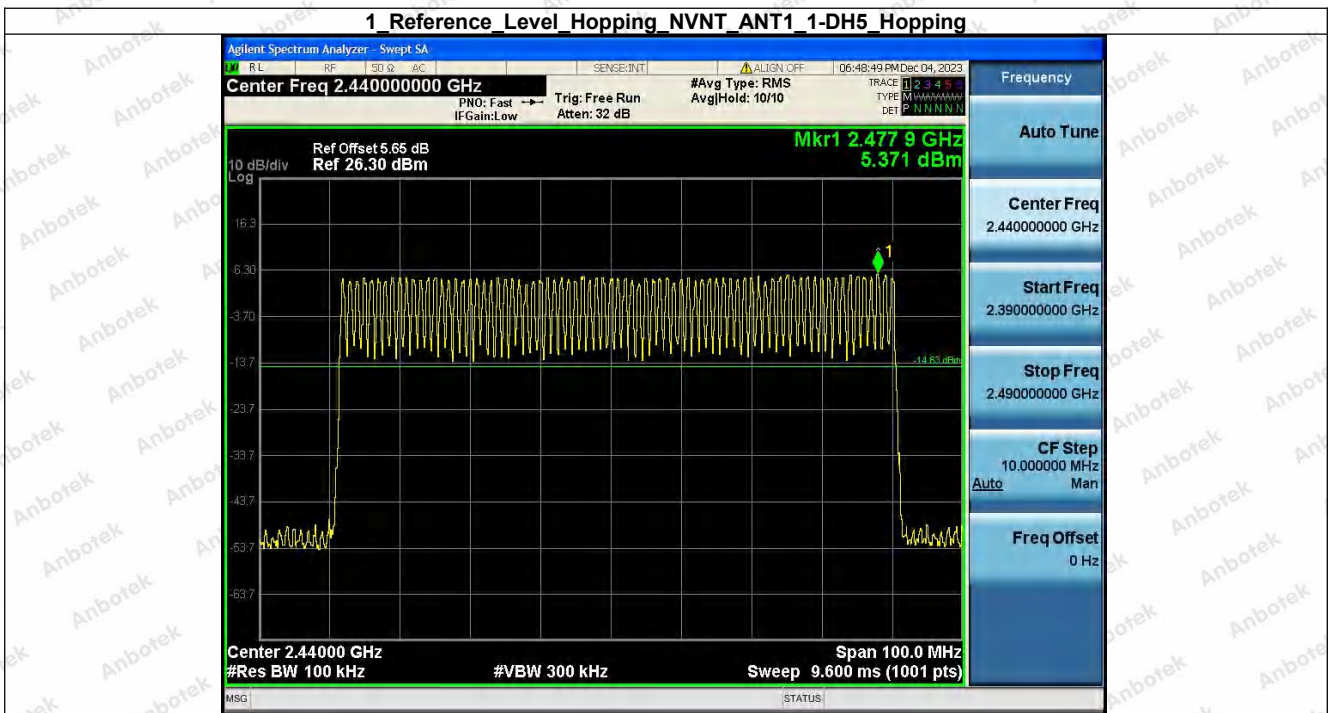
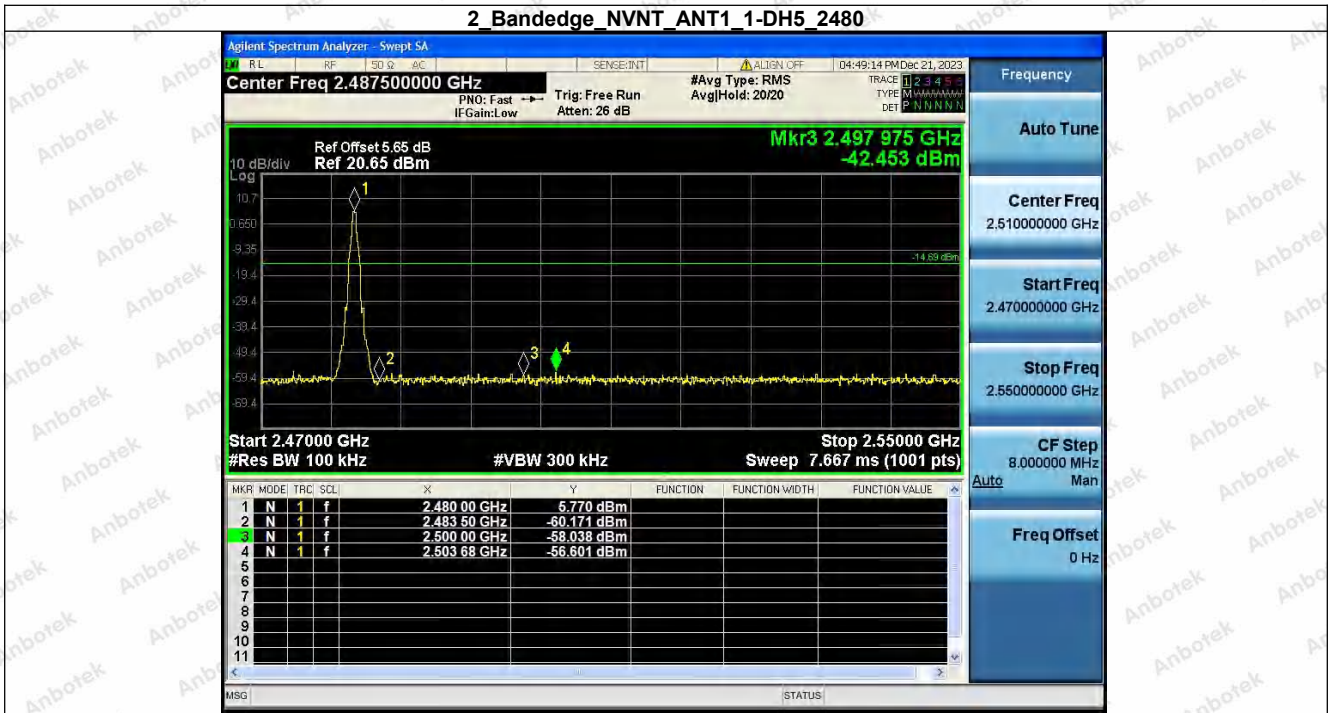


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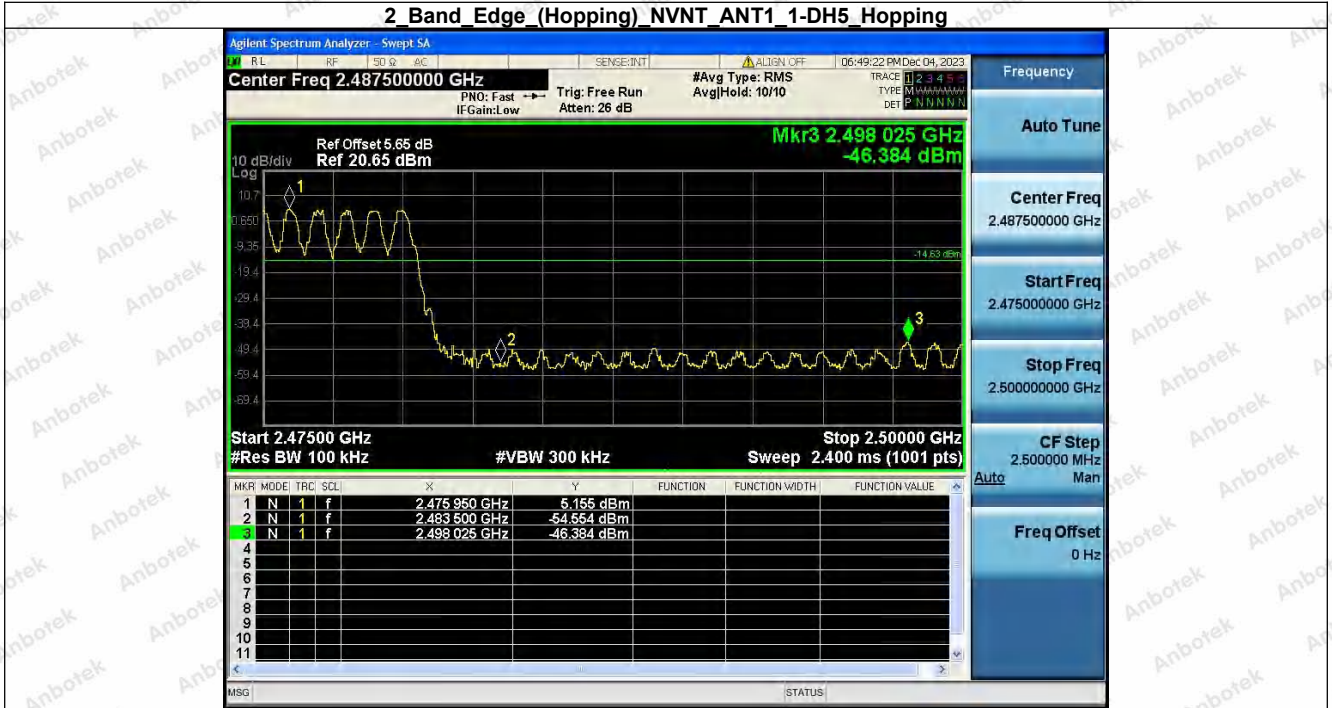


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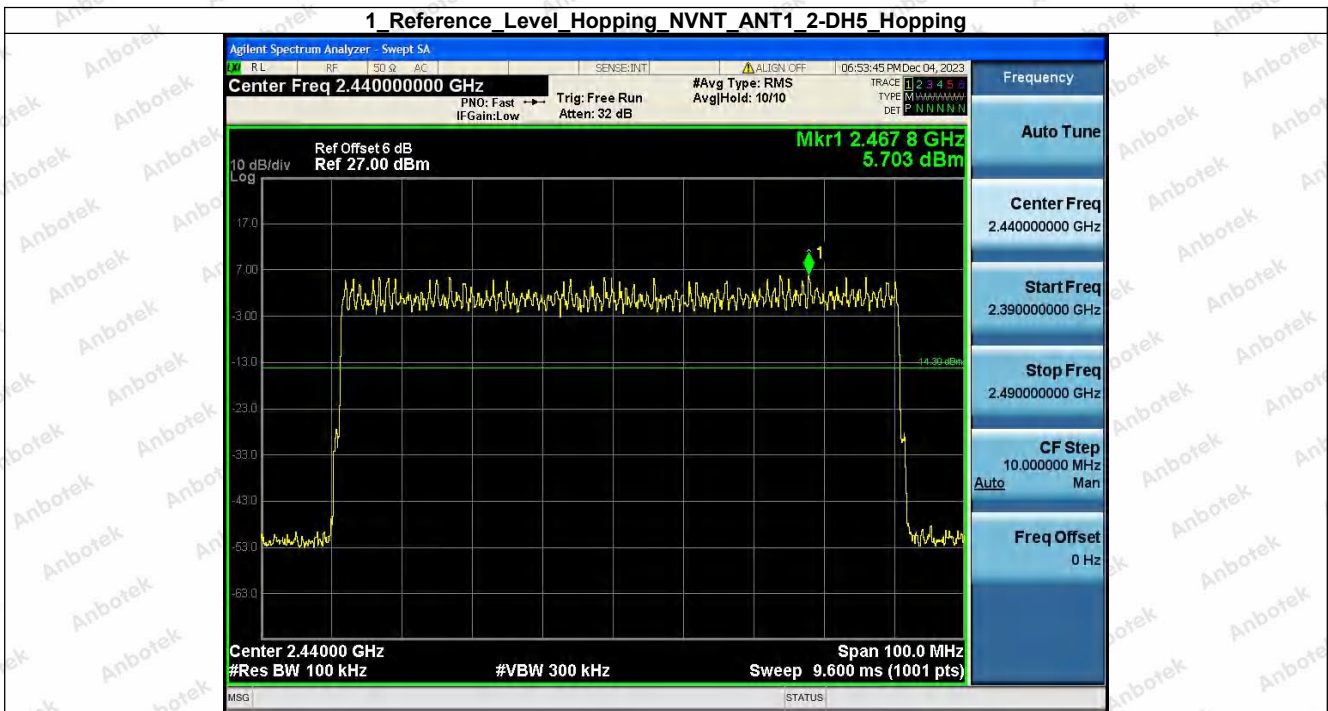
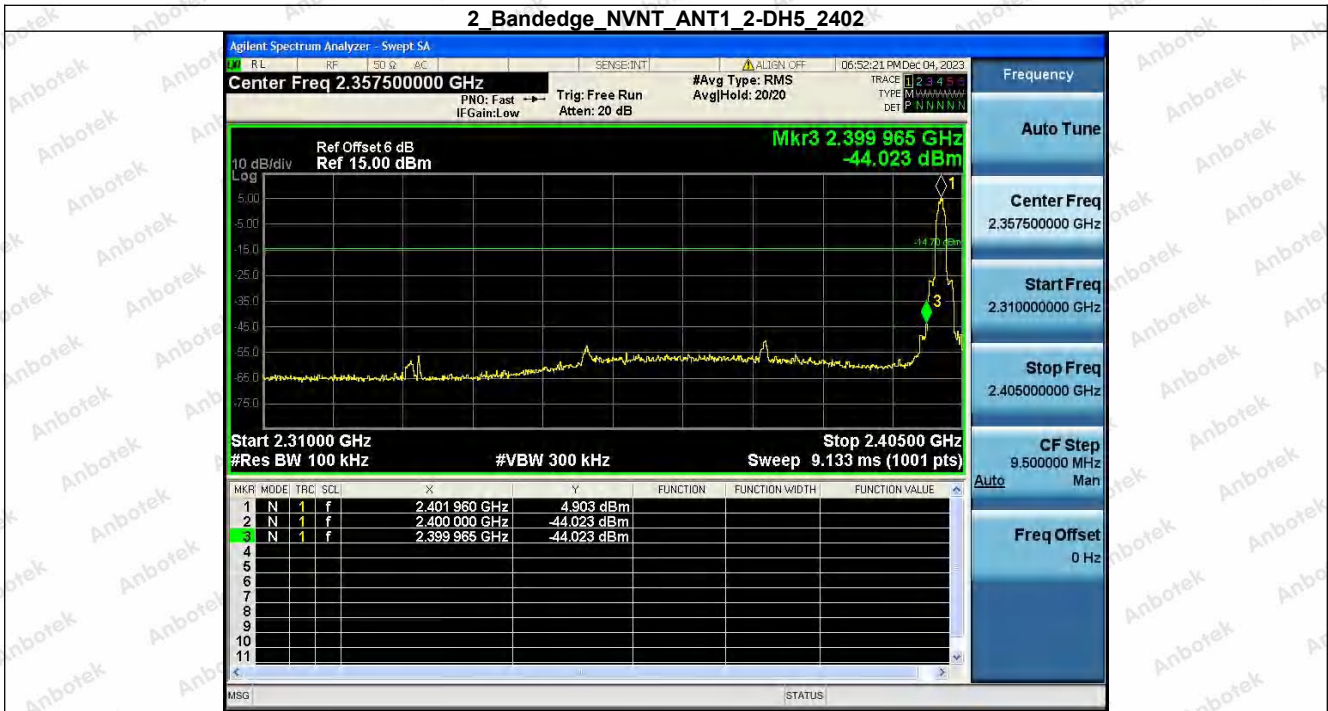


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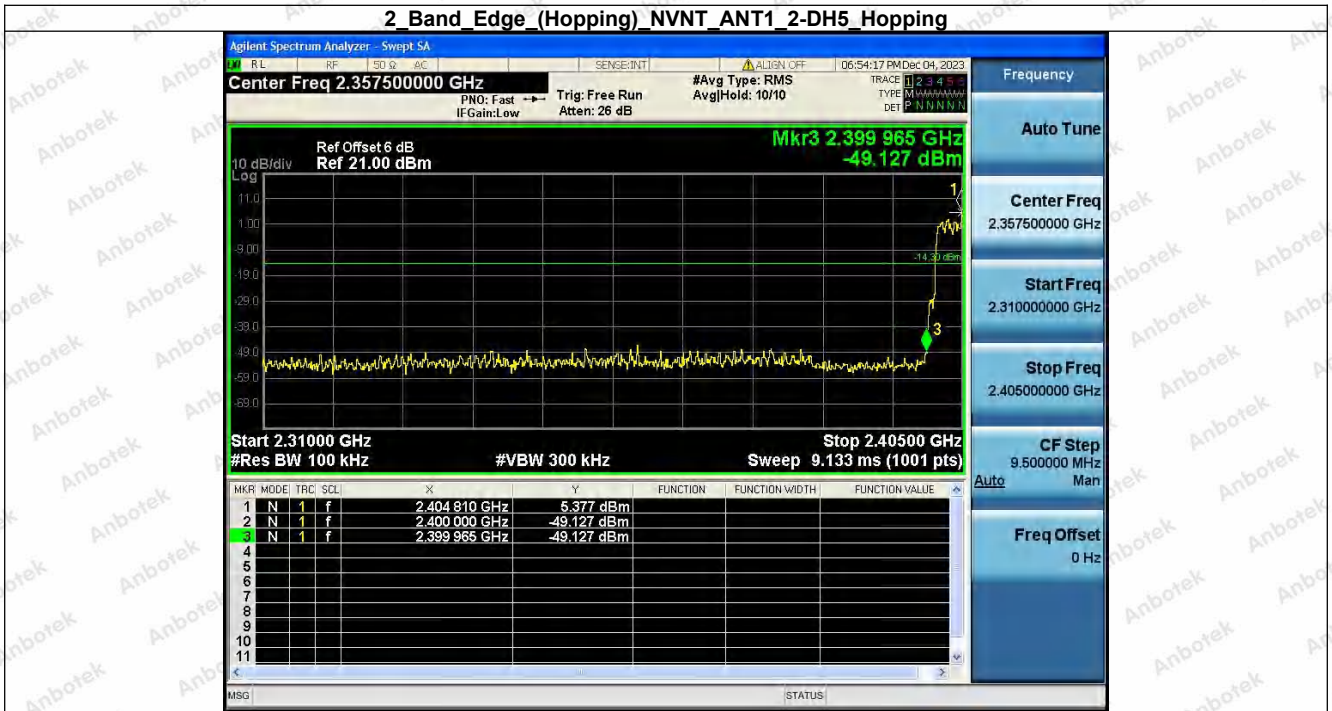


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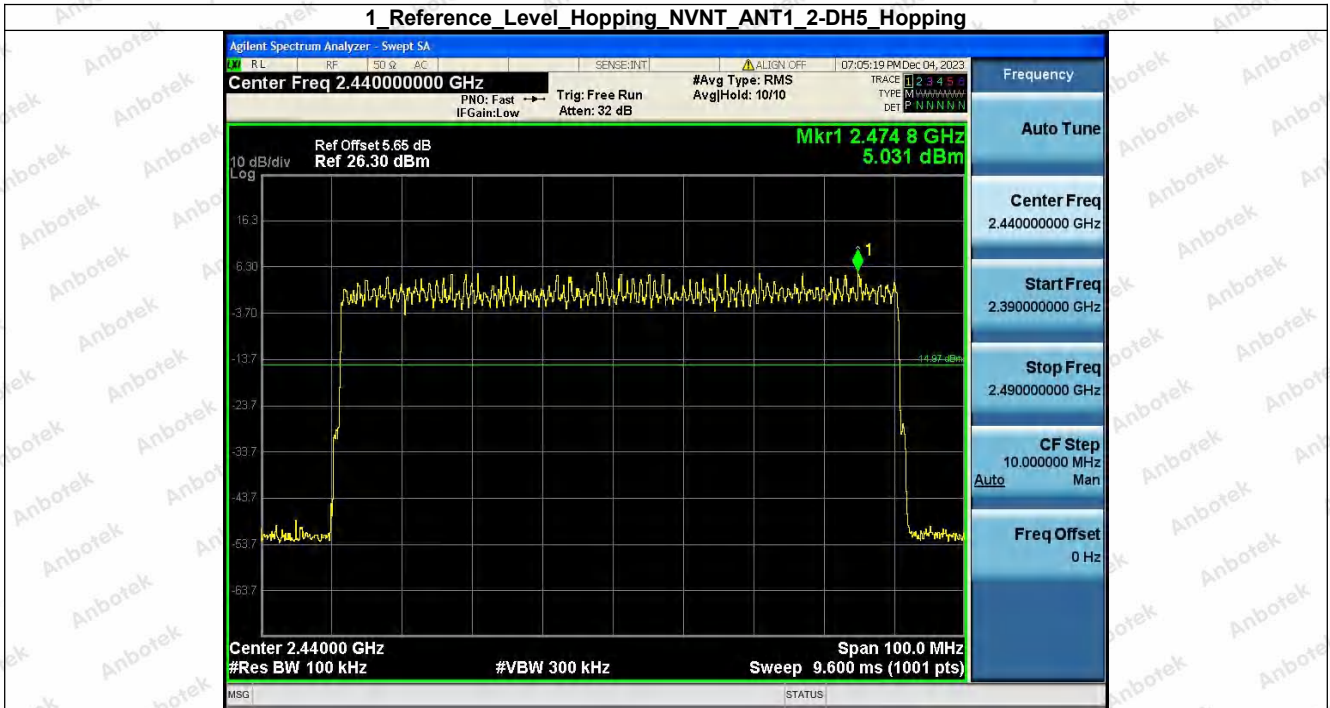
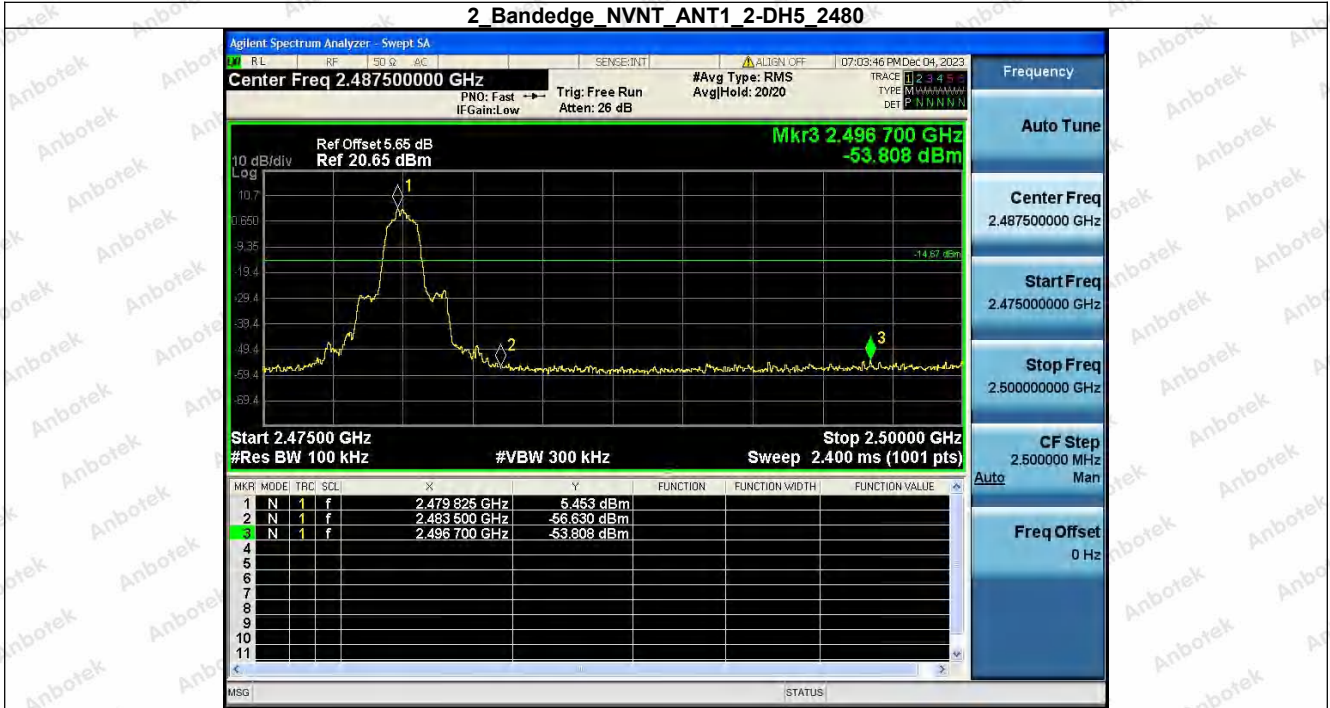


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2 Band Edge (Hopping) NVNT ANT1 2-DH5 Hopping

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.487500000 GHz

Ref Offset 5.65 dB
Ref 20.65 dBm

Mkr3 2.498 025 GHz
-47.112 dBm

Start 2.47500 GHz
#Res BW 100 kHz

#VBW 300 kHz

Stop 2.50000 GHz
Sweep 2.400 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.479 825 GHz	5.464 dBm			
2	N	1	f	2.483 500 GHz	-54.572 dBm			
3	N	1	f	2.498 025 GHz	-47.112 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

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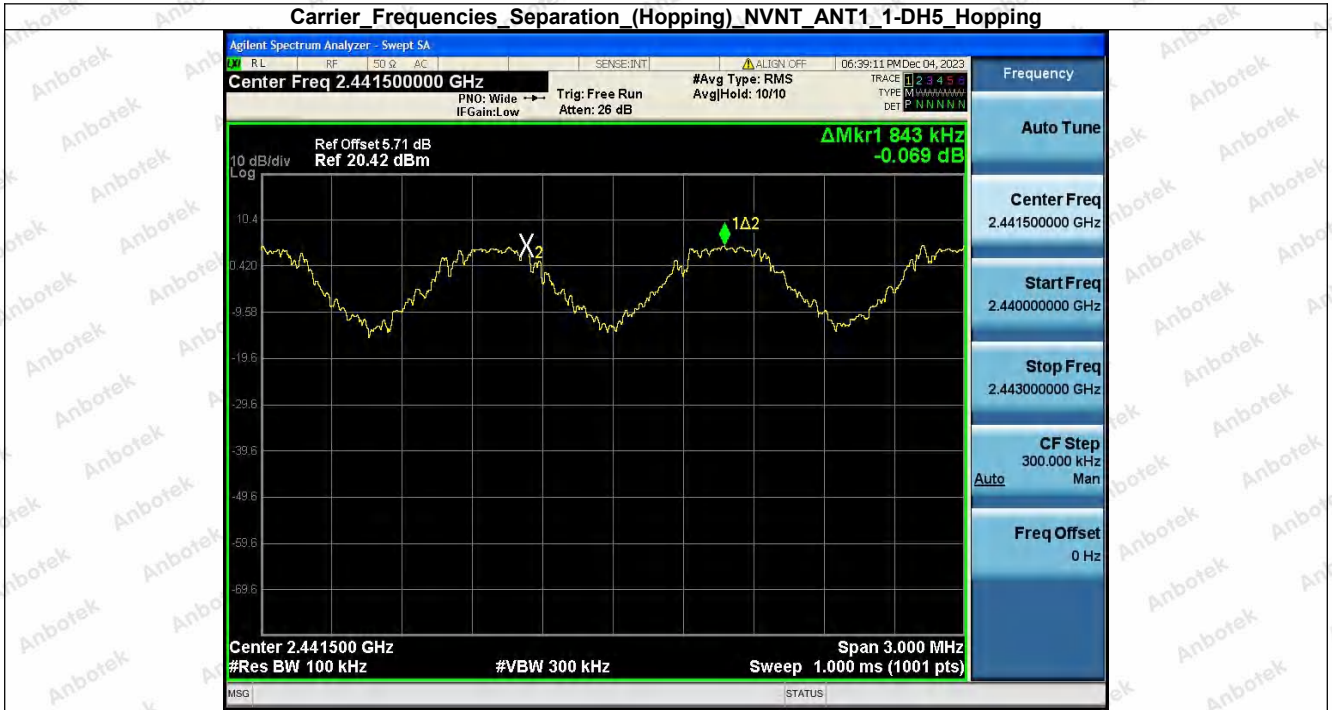


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6. Carrier Frequencies Separation (Hopping)

Condition	Antenna	Modulation	Frequency(MHz)	Hopping NO.0 (MHz)	Hopping NO.1 (MHz)	Carrier Frequencies Separation(MHz)	Limit(MHz)	Result
NVNT	ANT1	1-DH5	2441.00	2441.131	2441.974	0.84	0.678	Pass
NVNT	ANT1	2-DH5	2441.00	2440.852	2441.782	0.93	0.880	Pass



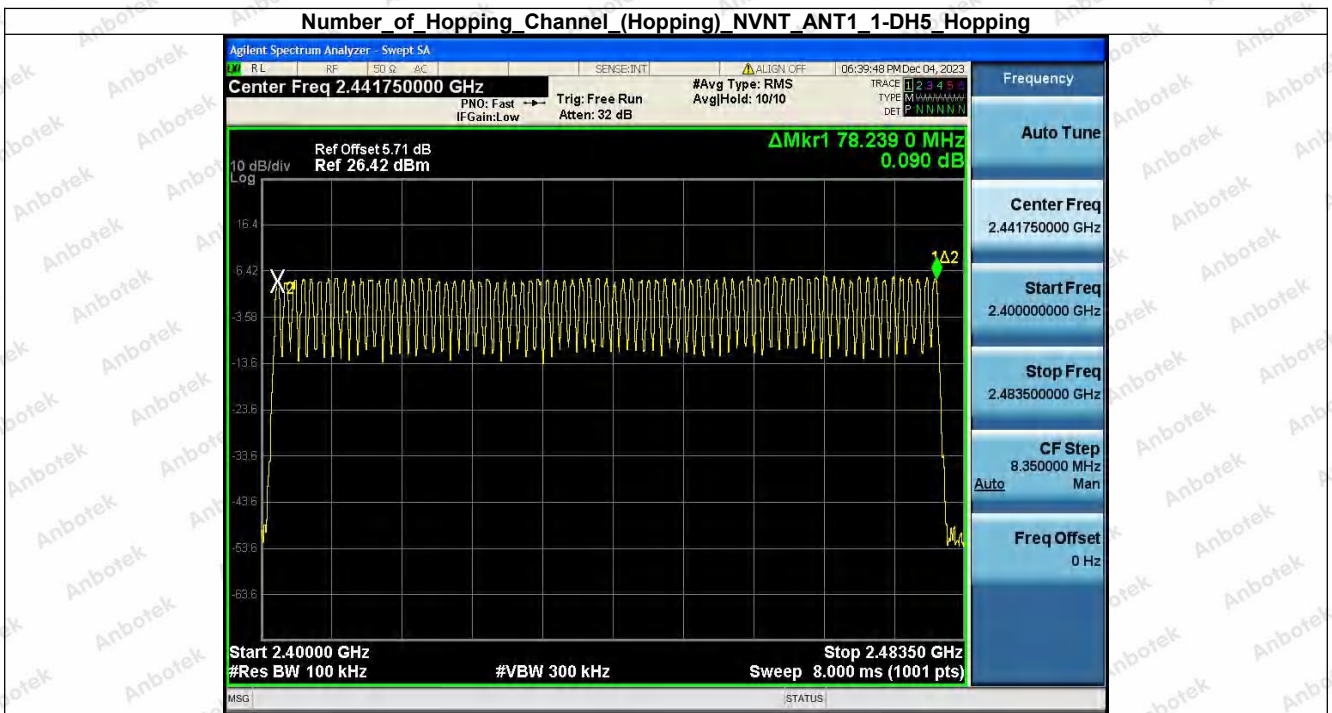
Carrier_Frequencies_Separation_(Hopping)_NVNT_ANT1_2-DH5_Hopping





7. Number of Hopping Channel (Hopping)

Condition	Antenna	Modulation	Hopping Num	Limit	Result
NVNT	ANT1	1-DH5	79	15	Pass
NVNT	ANT1	2-DH5	79	15	Pass

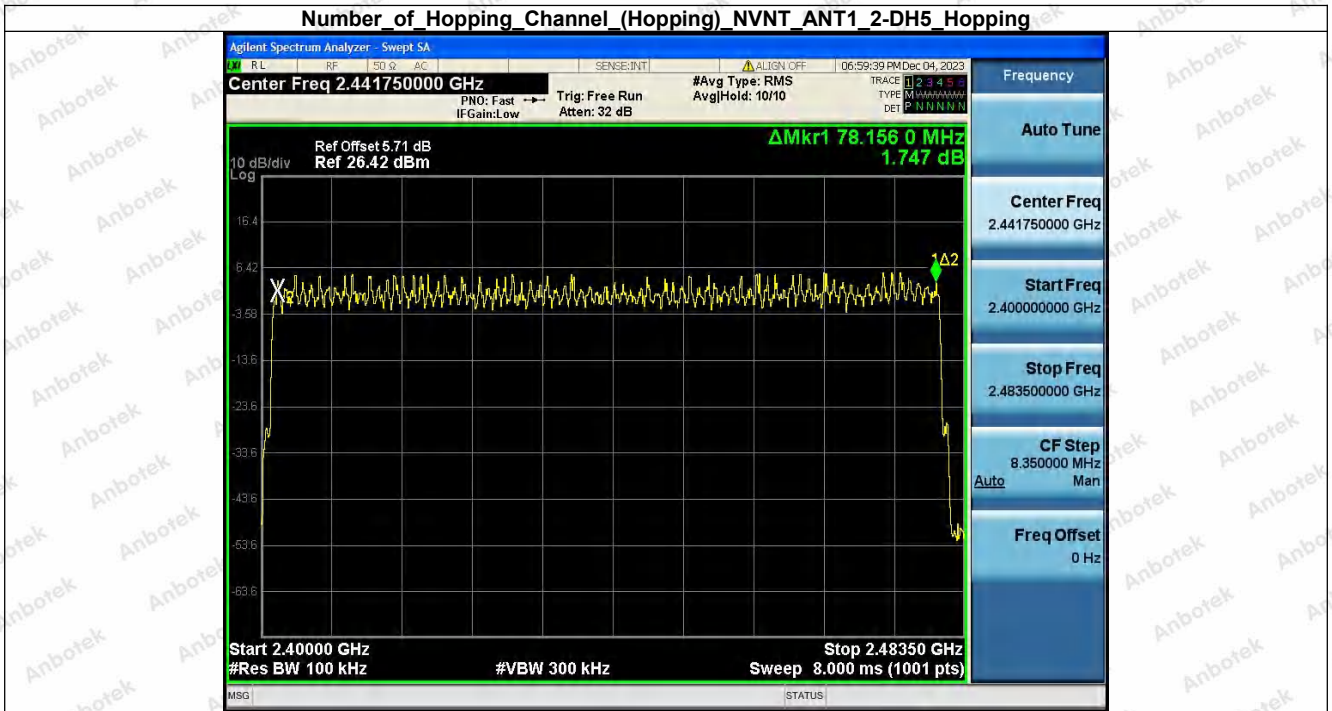


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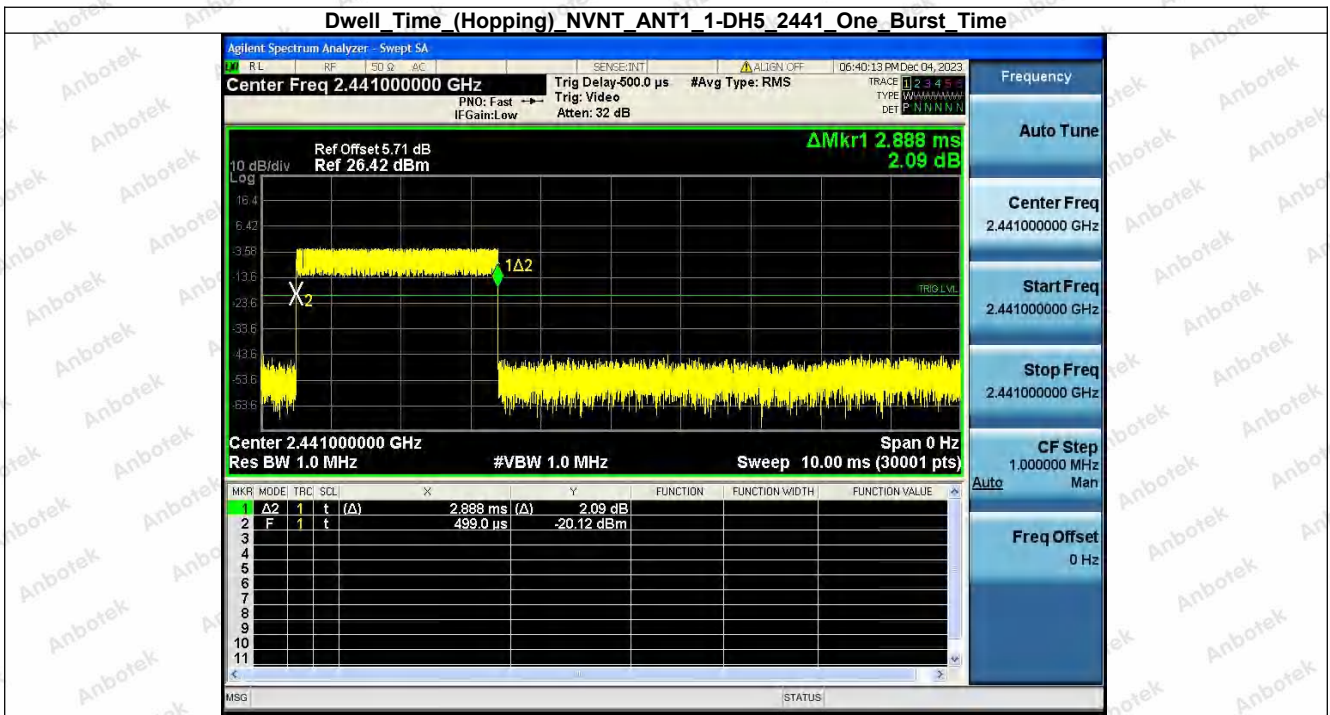
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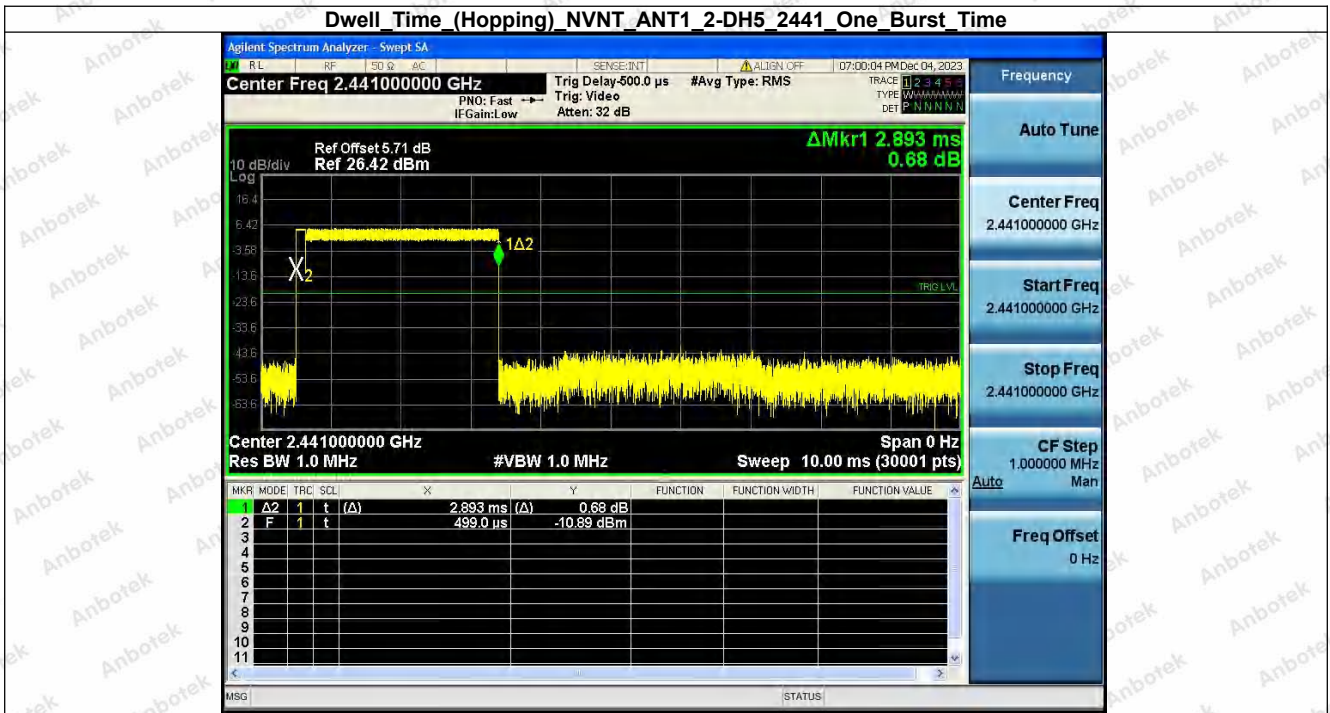
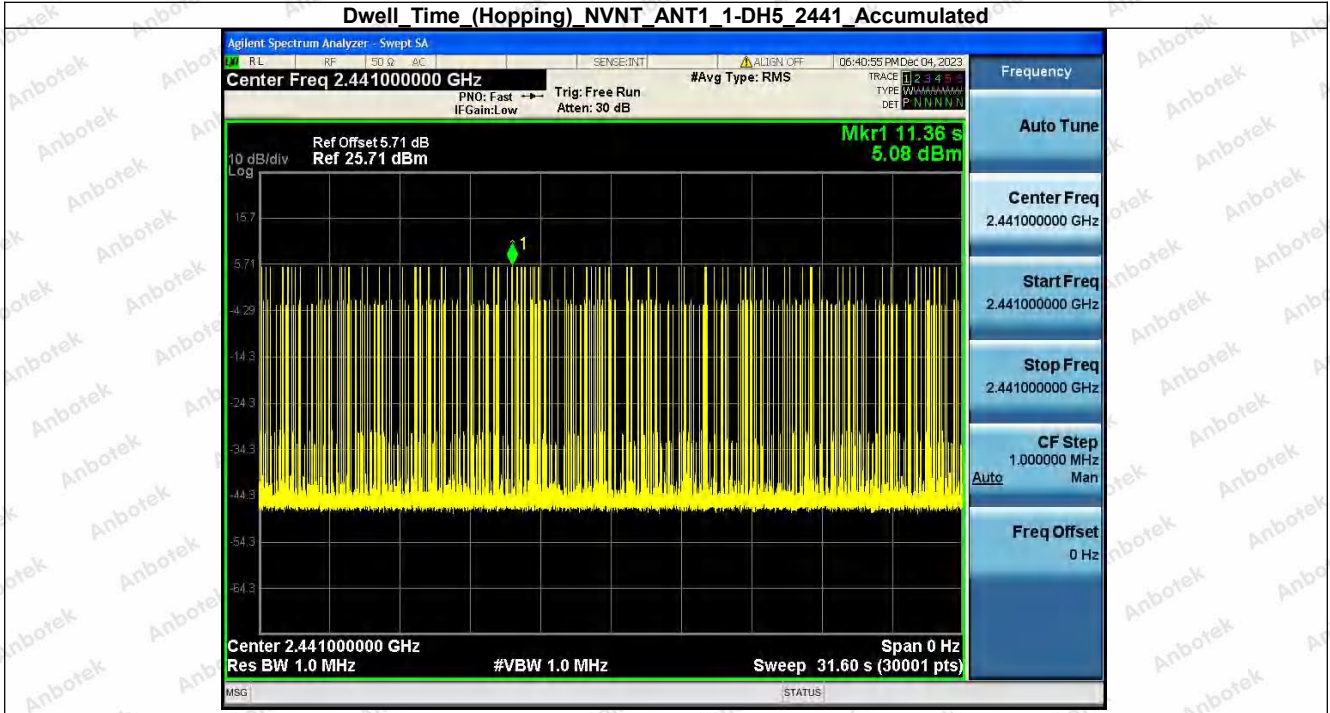
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8. Dwell Time (Hopping)

Condition	Antenna	Packet Type	Pulse Time(ms)	Hops	Dwell Time(ms)	Limit(s)	Result
NVNT	ANT1	1-DH5	2.888	107.00	309.016	0.40	Pass
NVNT	ANT1	2-DH5	2.893	114.00	329.802	0.40	Pass
NVNT	ANT1	1-DH1	0.385	318.00	122.430	0.40	Pass
NVNT	ANT1	1-DH3	1.640	163.00	267.320	0.40	Pass
NVNT	ANT1	2-DH1	0.393	320.00	125.760	0.40	Pass
NVNT	ANT1	2-DH3	1.645	158.00	259.910	0.40	Pass



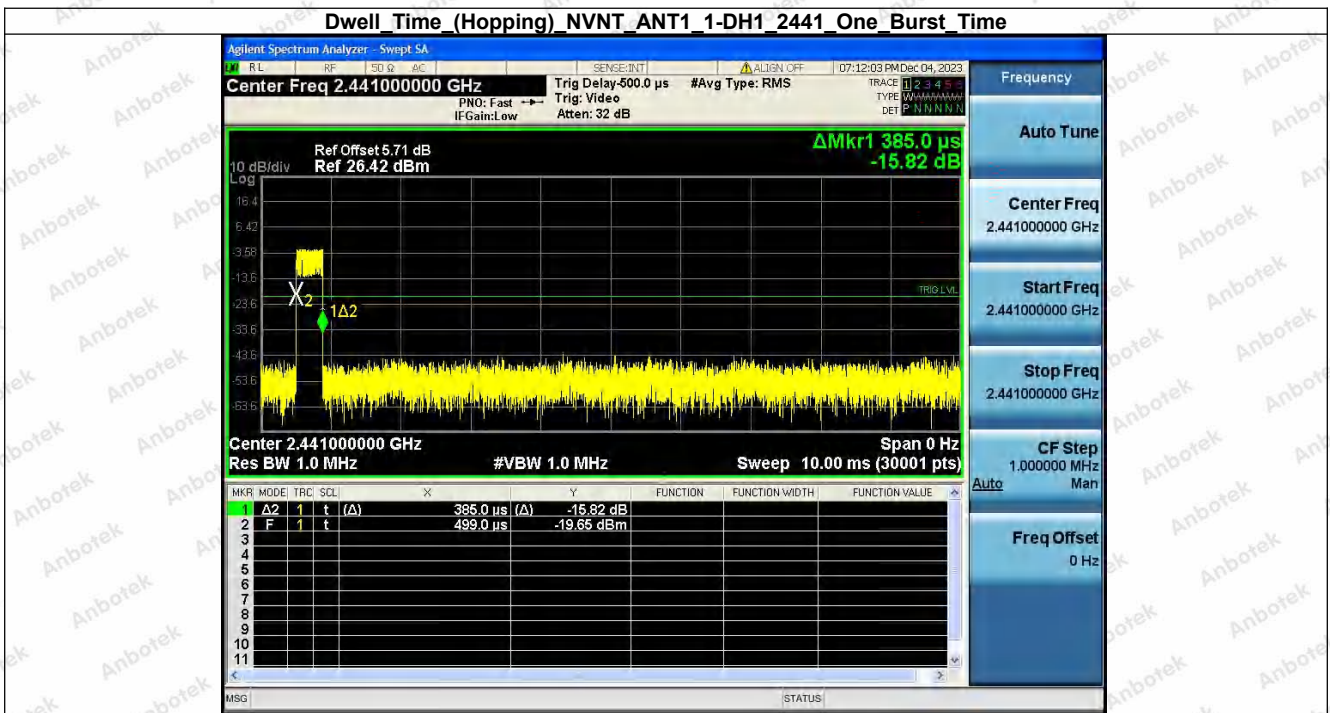
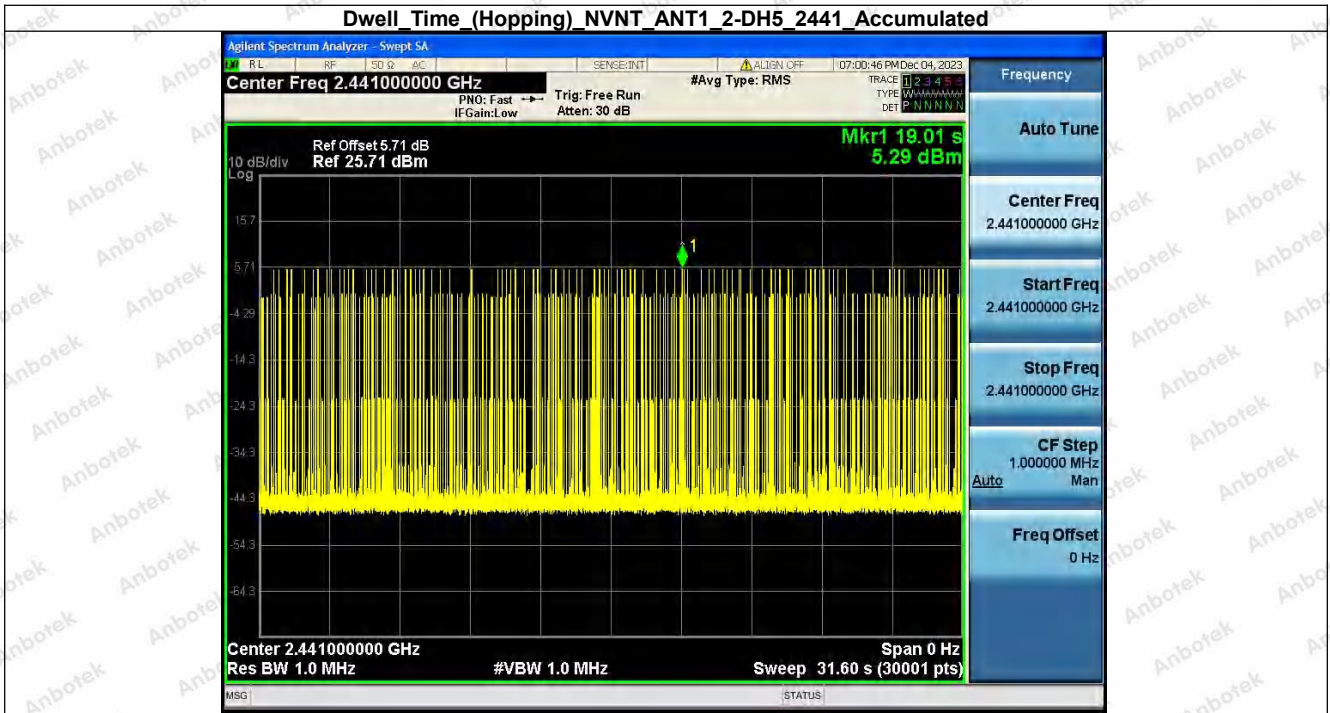


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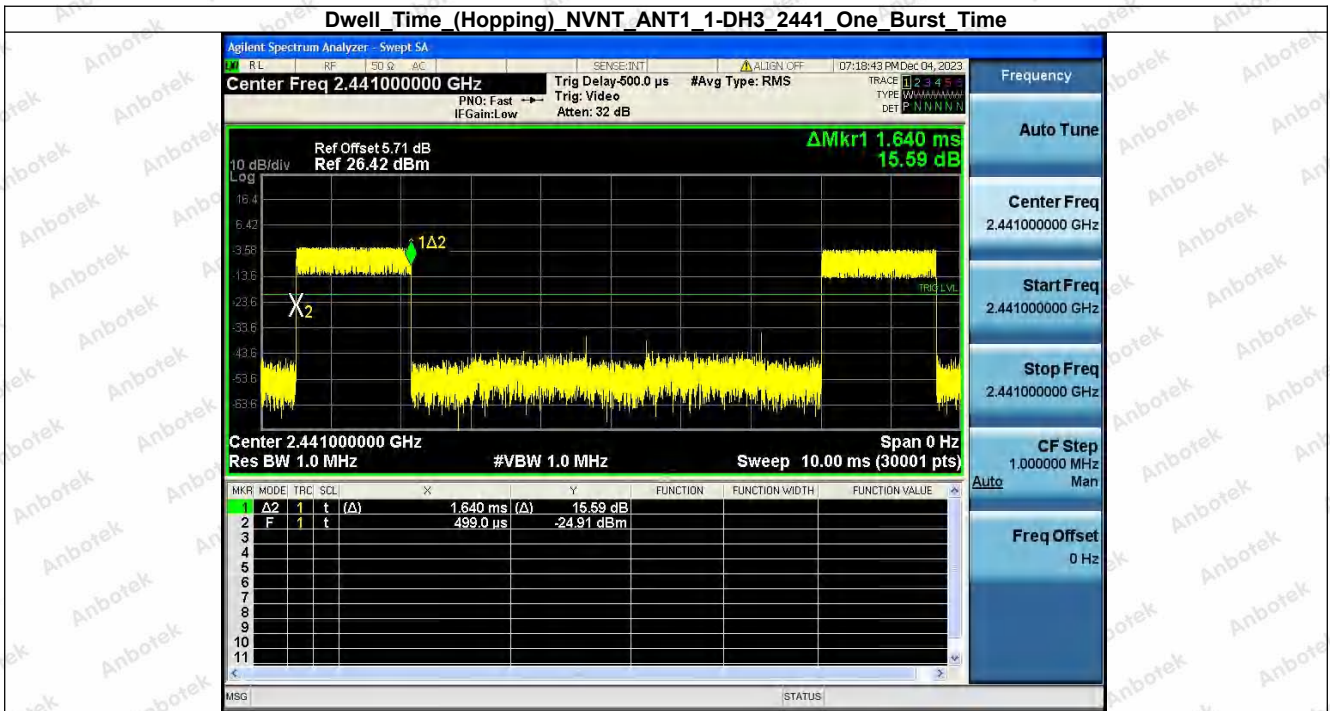
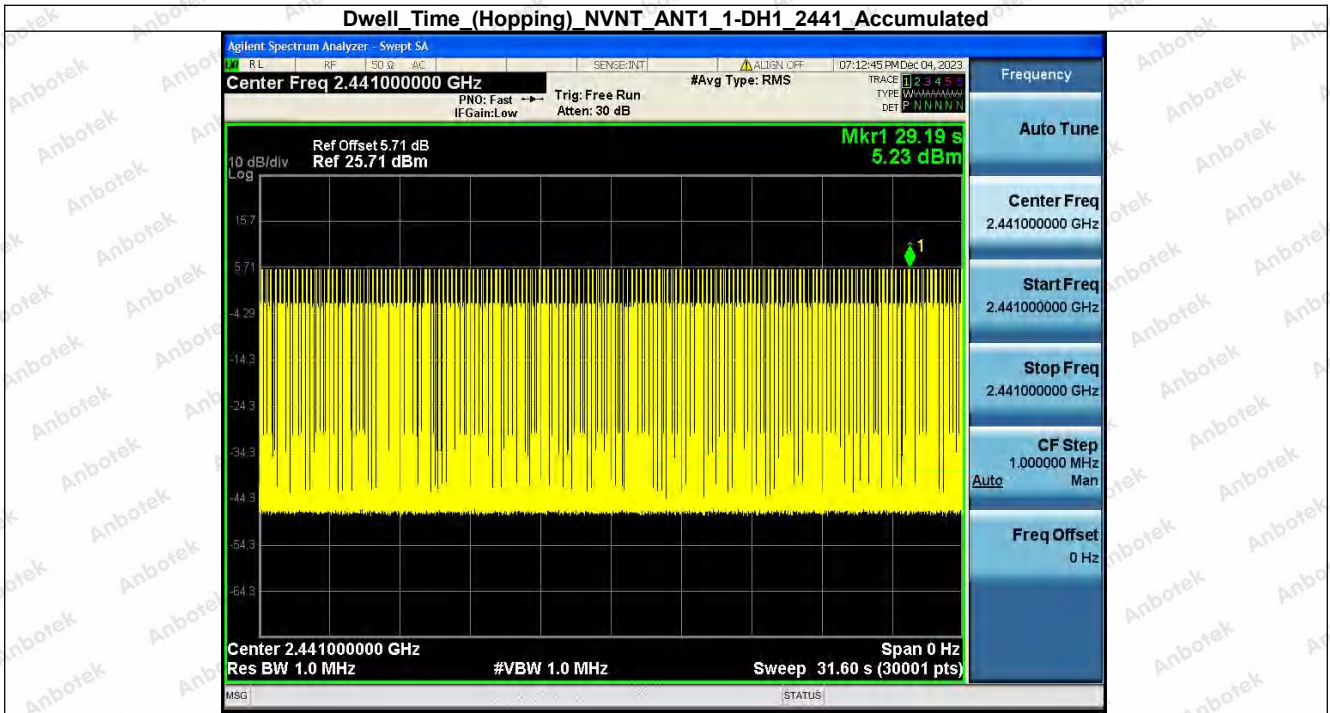


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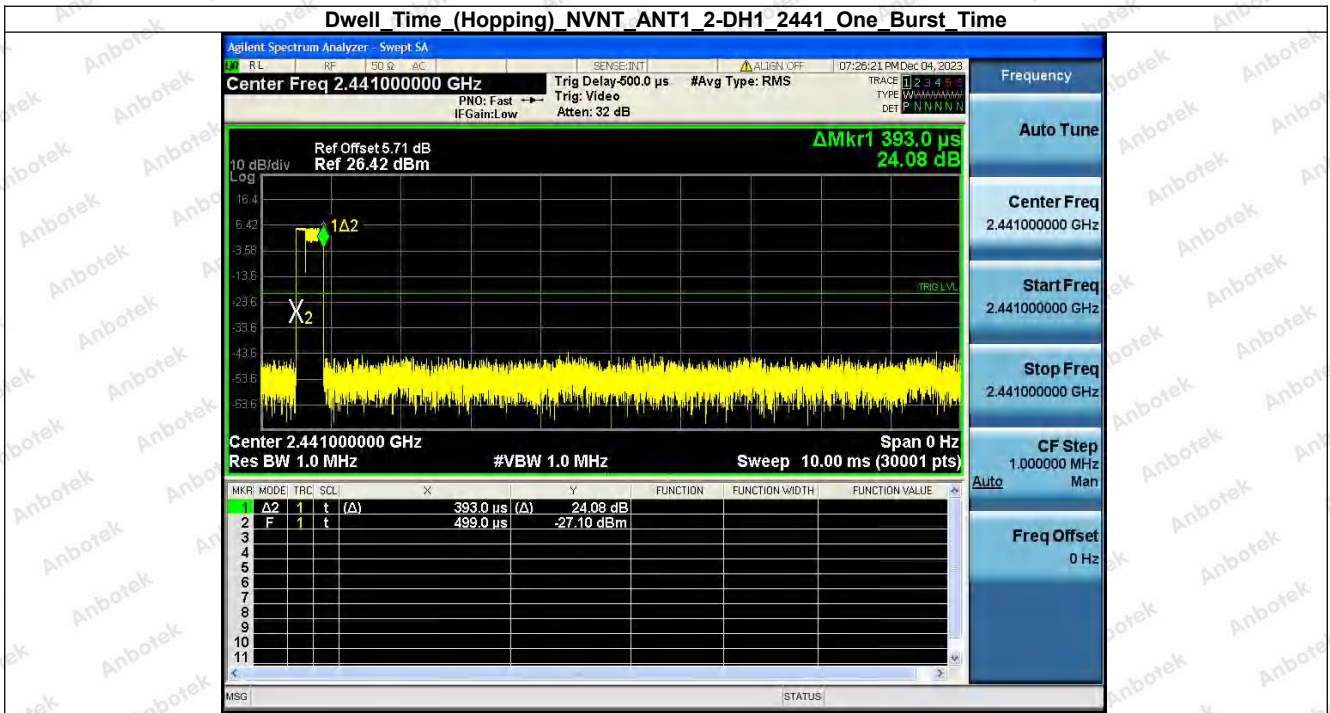
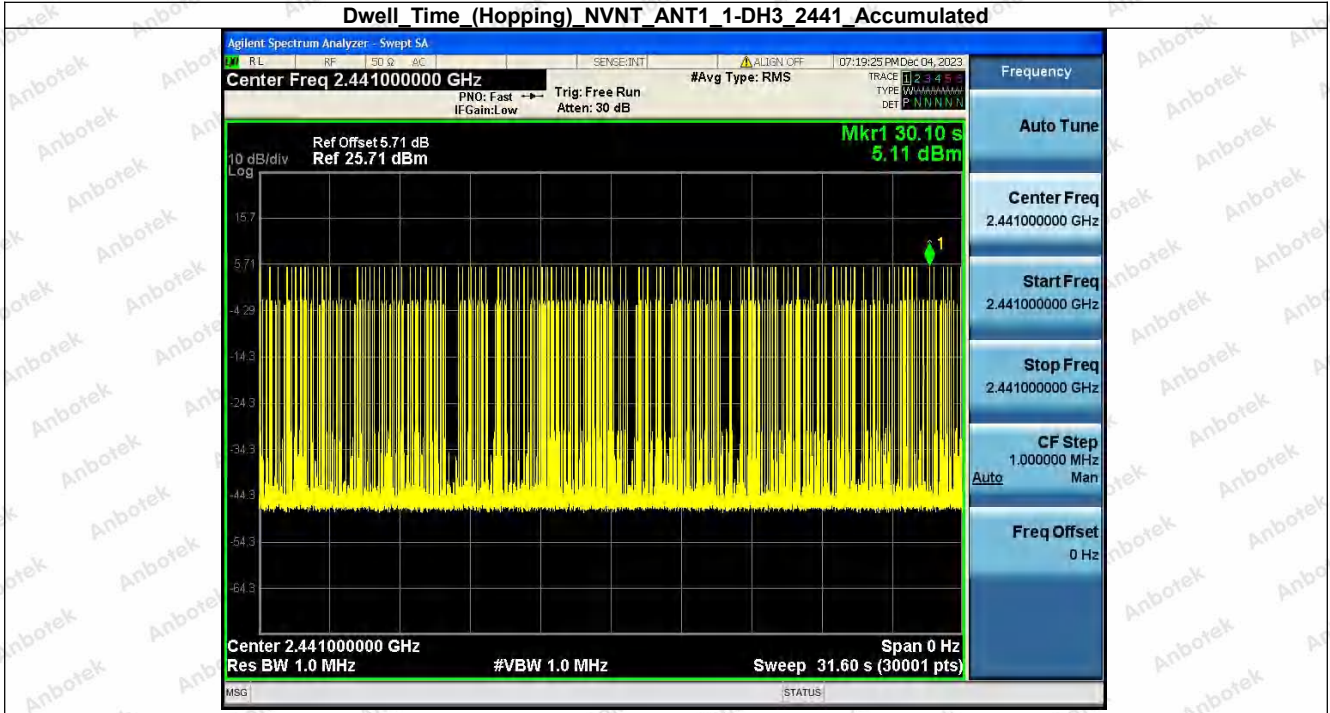


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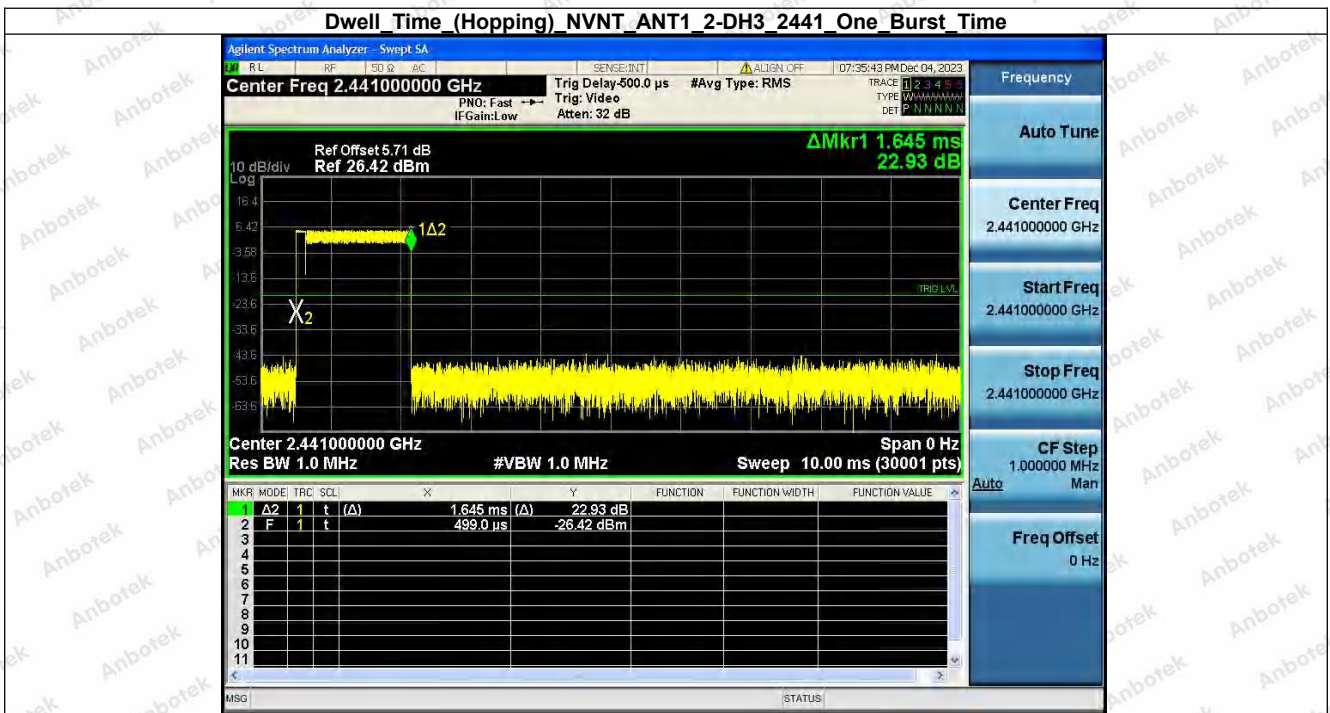
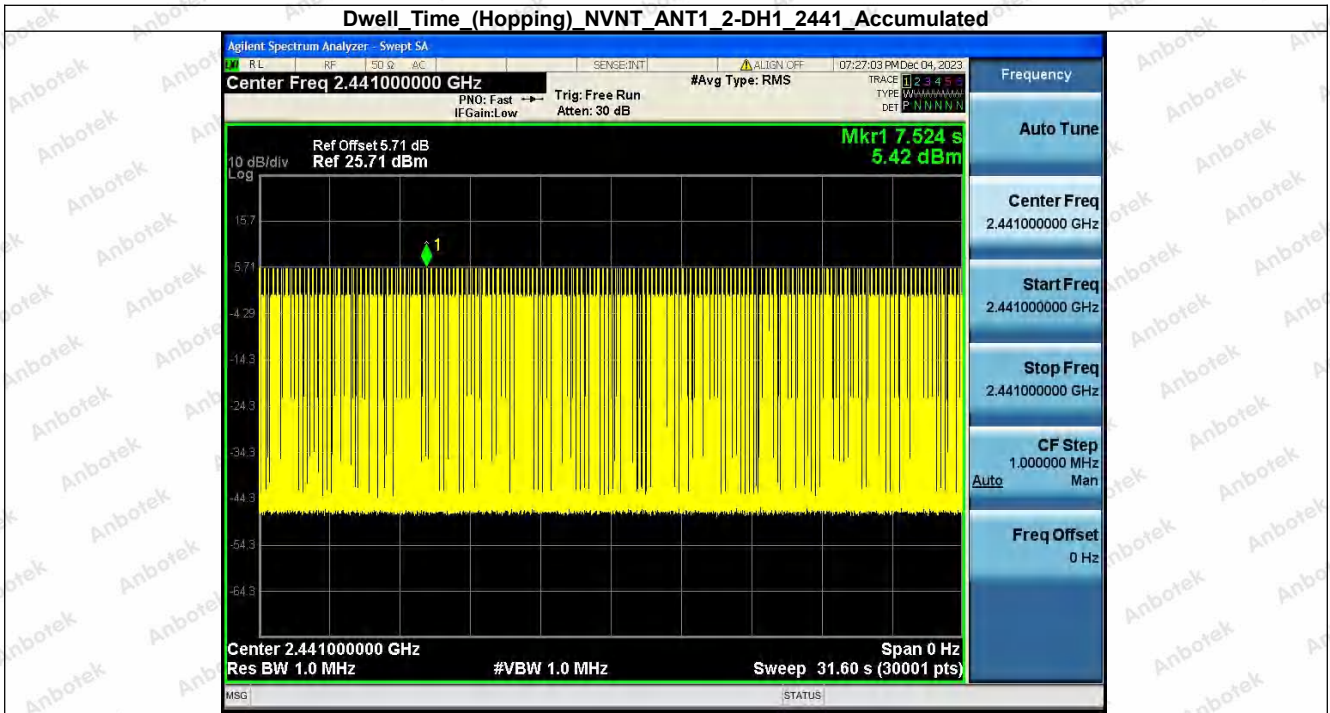


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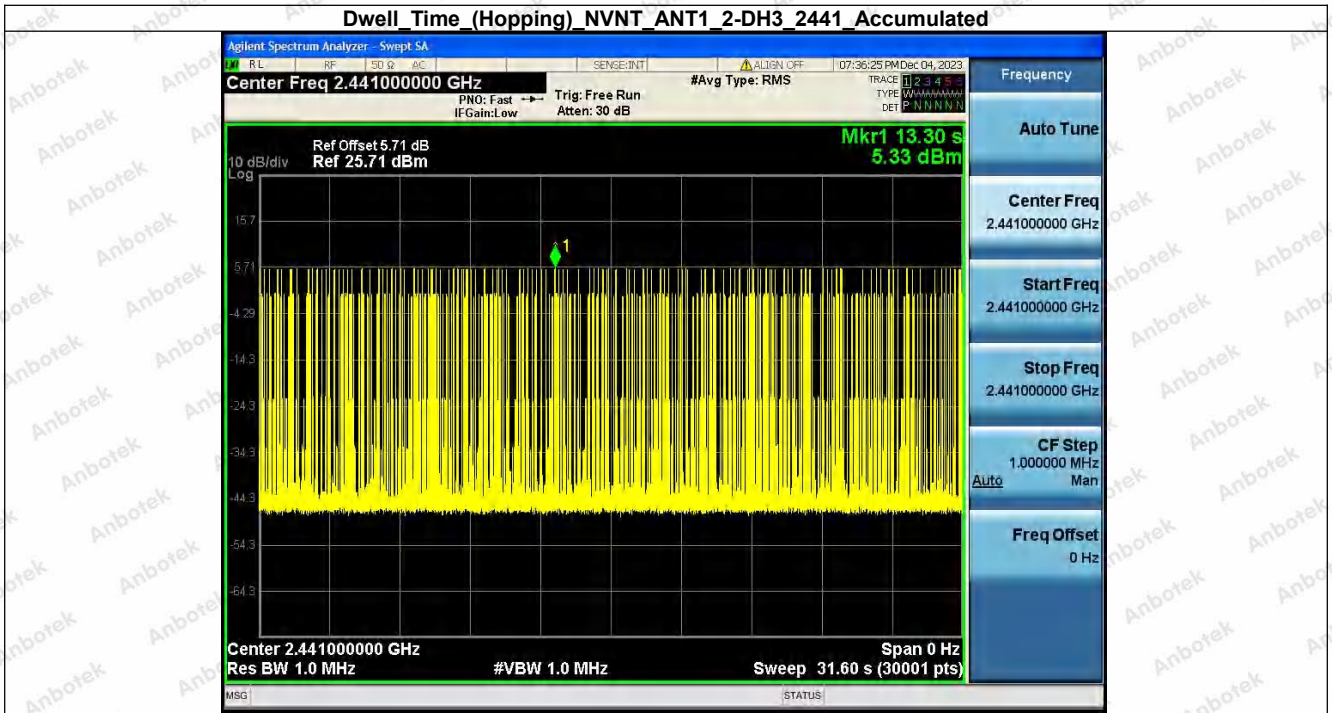


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