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5.4.2 RF Output Power

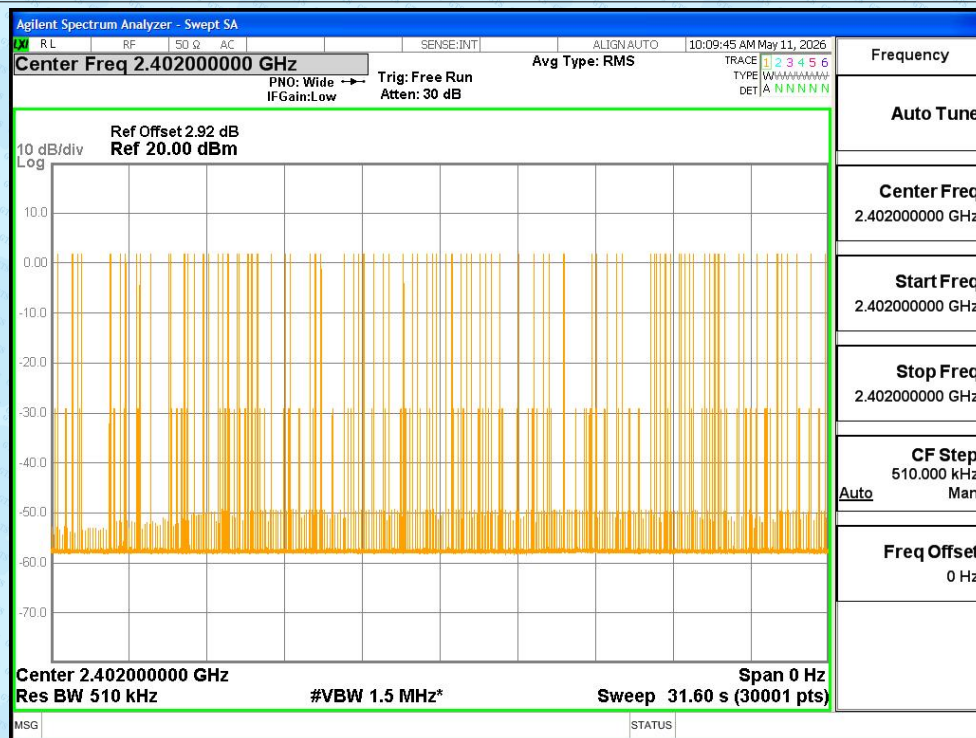
Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	hopping	Ant1	3.66	28	4.45	20	Pass
				3.83	27	4.62	20	Pass
				3.87	27	4.66	20	Pass
	2-DH1			1.46	27	2.25	20	Pass
				1.6	28	2.39	20	Pass
				1.71	28	2.5	20	Pass
	3-DH1			1.47	27	2.26	20	Pass
				1.5	28	2.29	20	Pass
				1.76	27	2.55	20	Pass

5.4.4 Accumulated Transmit Time

Condition	Mode	Frequency (MHz)	Antenna	Accumulated Transmit Time (ms)	Limit (ms)	Sweep Time (ms)	Burst Number	Verdict
NVNT	1-DH1	2402	Ant1	294.066	400	31600	102	Pass
		2441		305.598	400	31600	106	Pass
		2480		308.481	400	31600	107	Pass
	2-DH1	2402		291.183	400	31600	101	Pass
		2441		299.832	400	31600	104	Pass
		2480		317.35	400	31600	110	Pass
	3-DH1	2402		271.378	400	31600	94	Pass
		2441		340.548	400	31600	118	Pass
		2480		306.022	400	31600	106	Pass

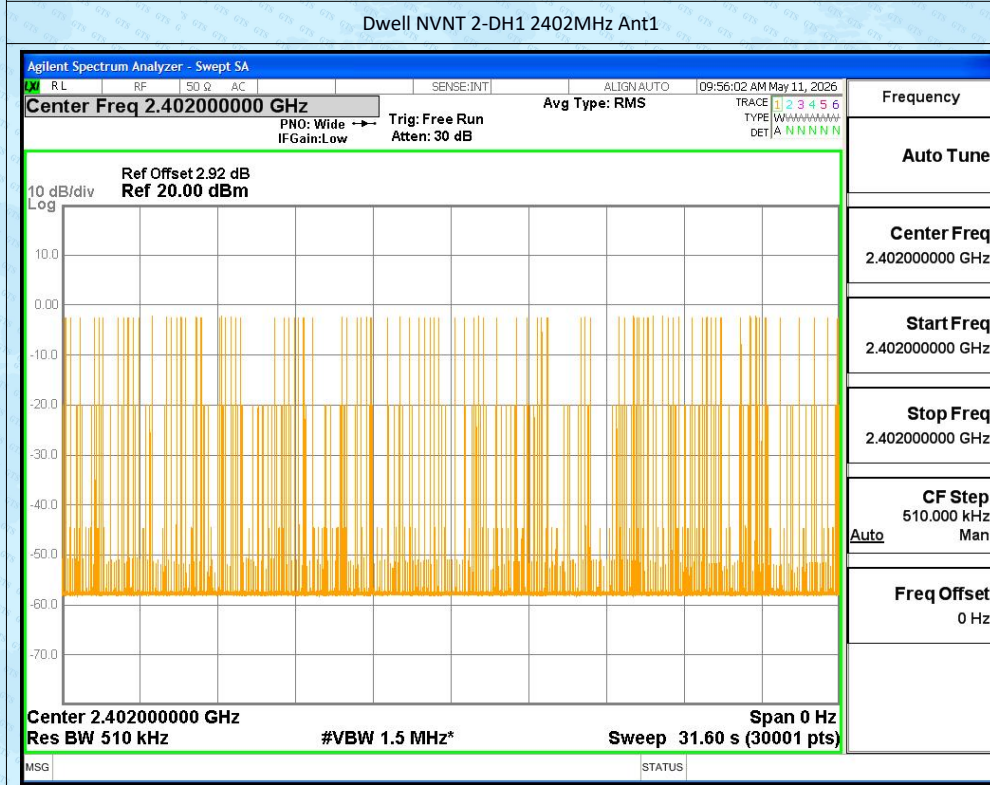
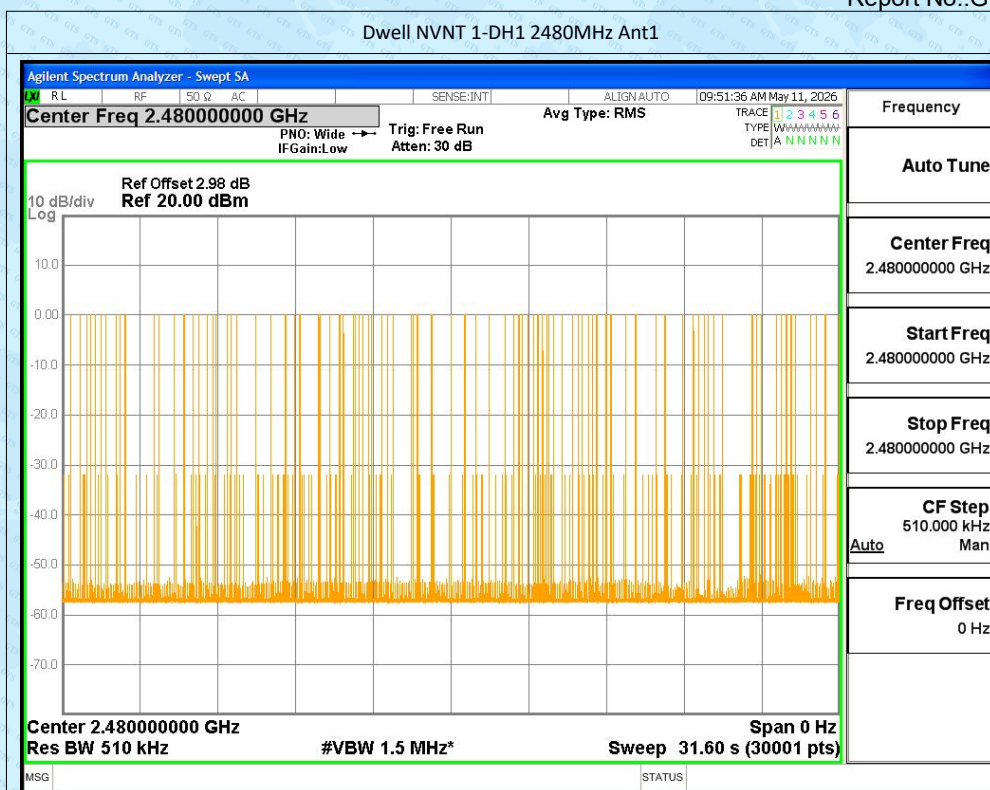
Test Graphs

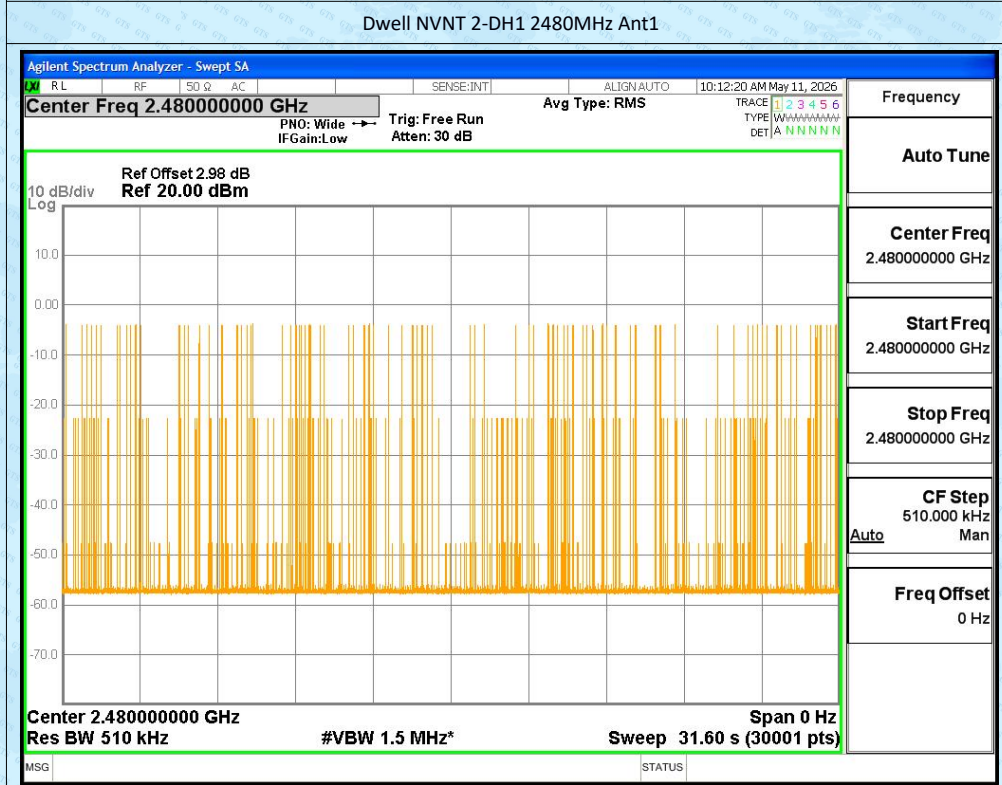
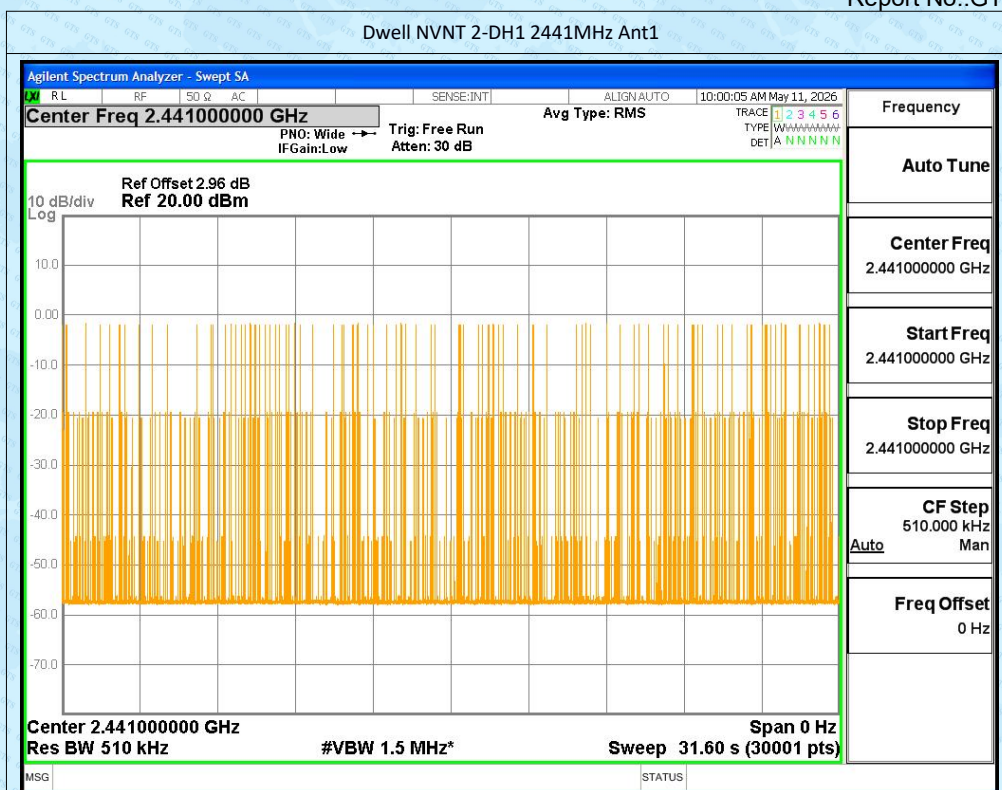
Dwell NVNT 1-DH1 2402MHz Ant1

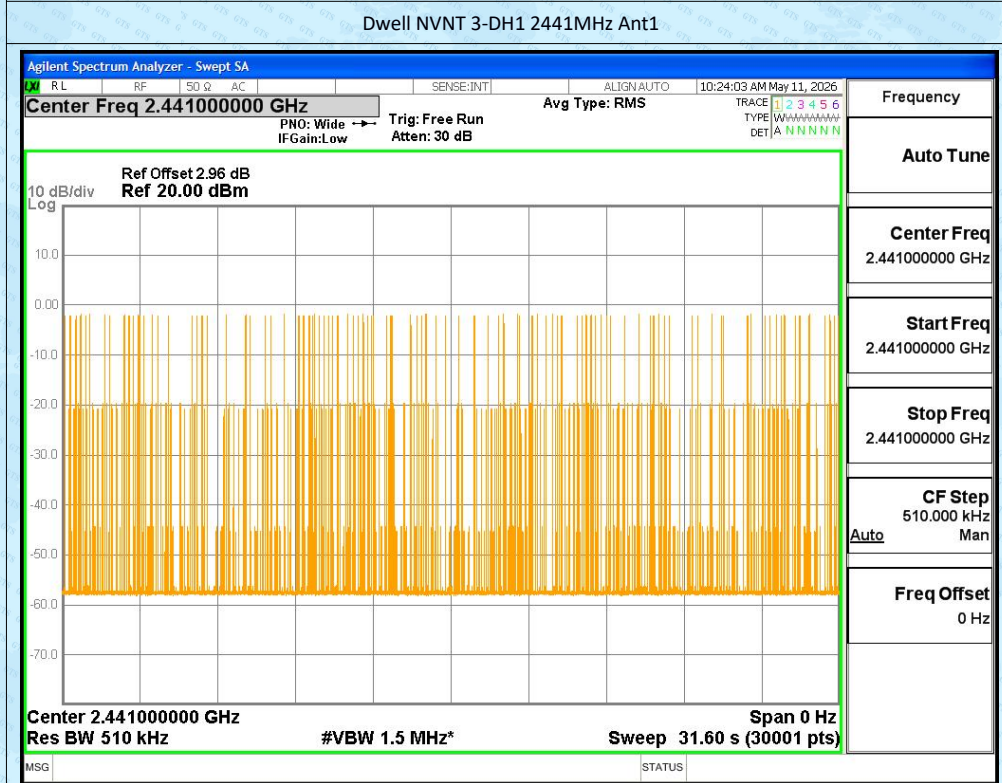
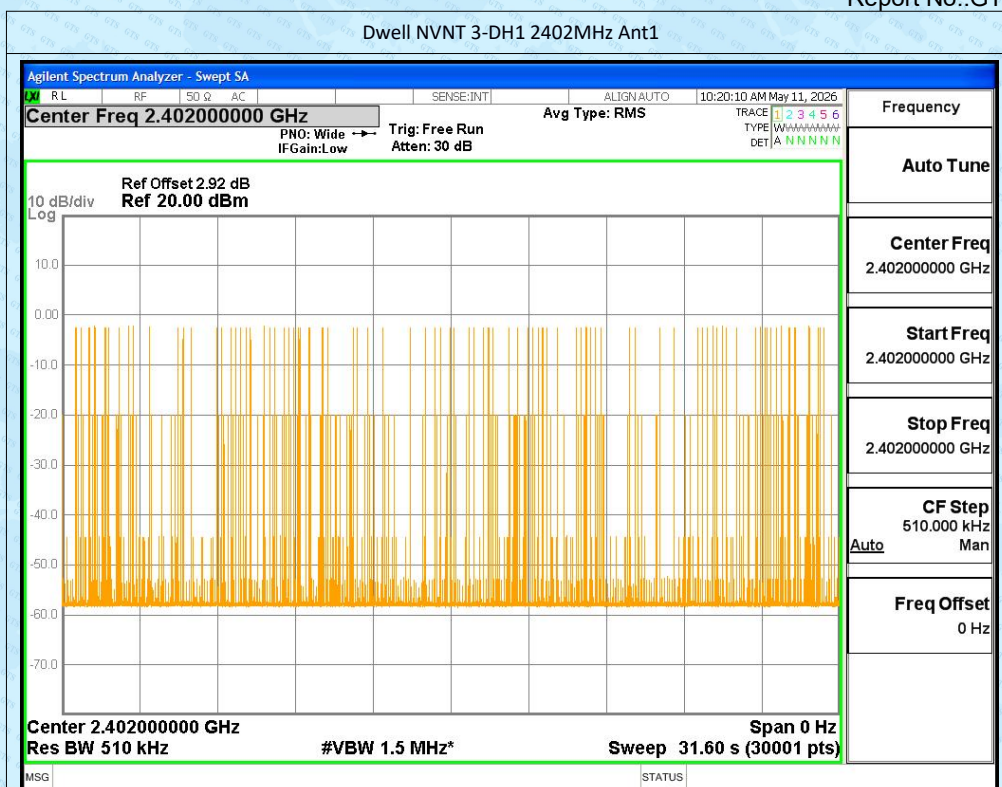


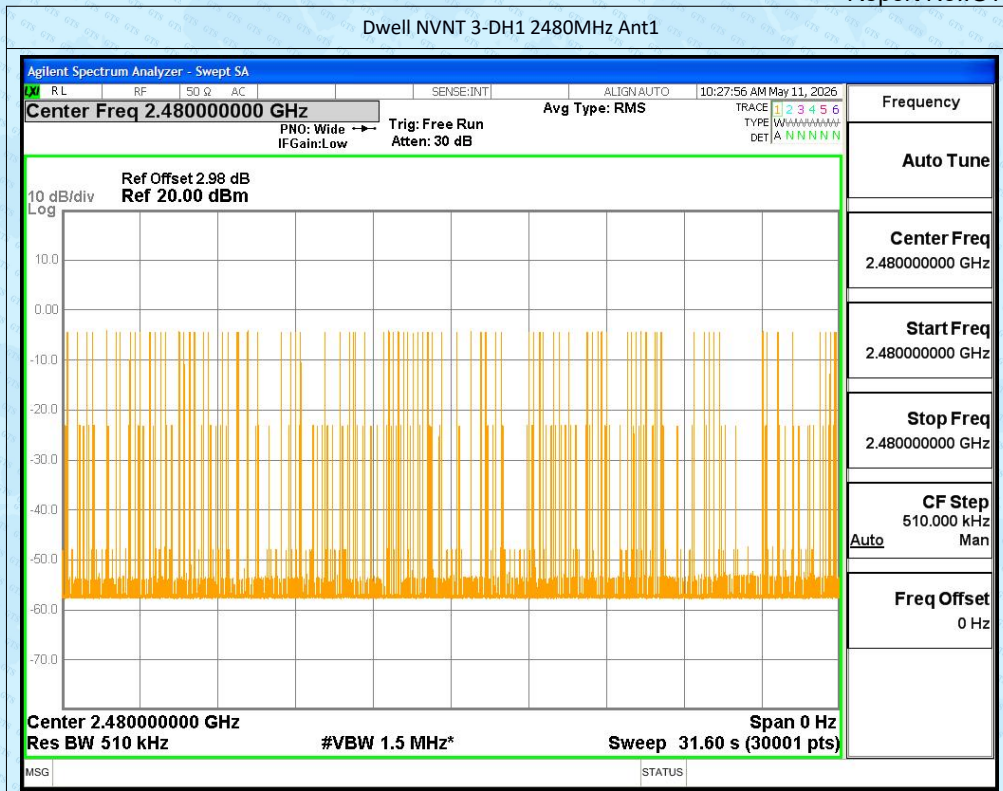
Dwell NVNT 1-DH1 2441MHz Ant1





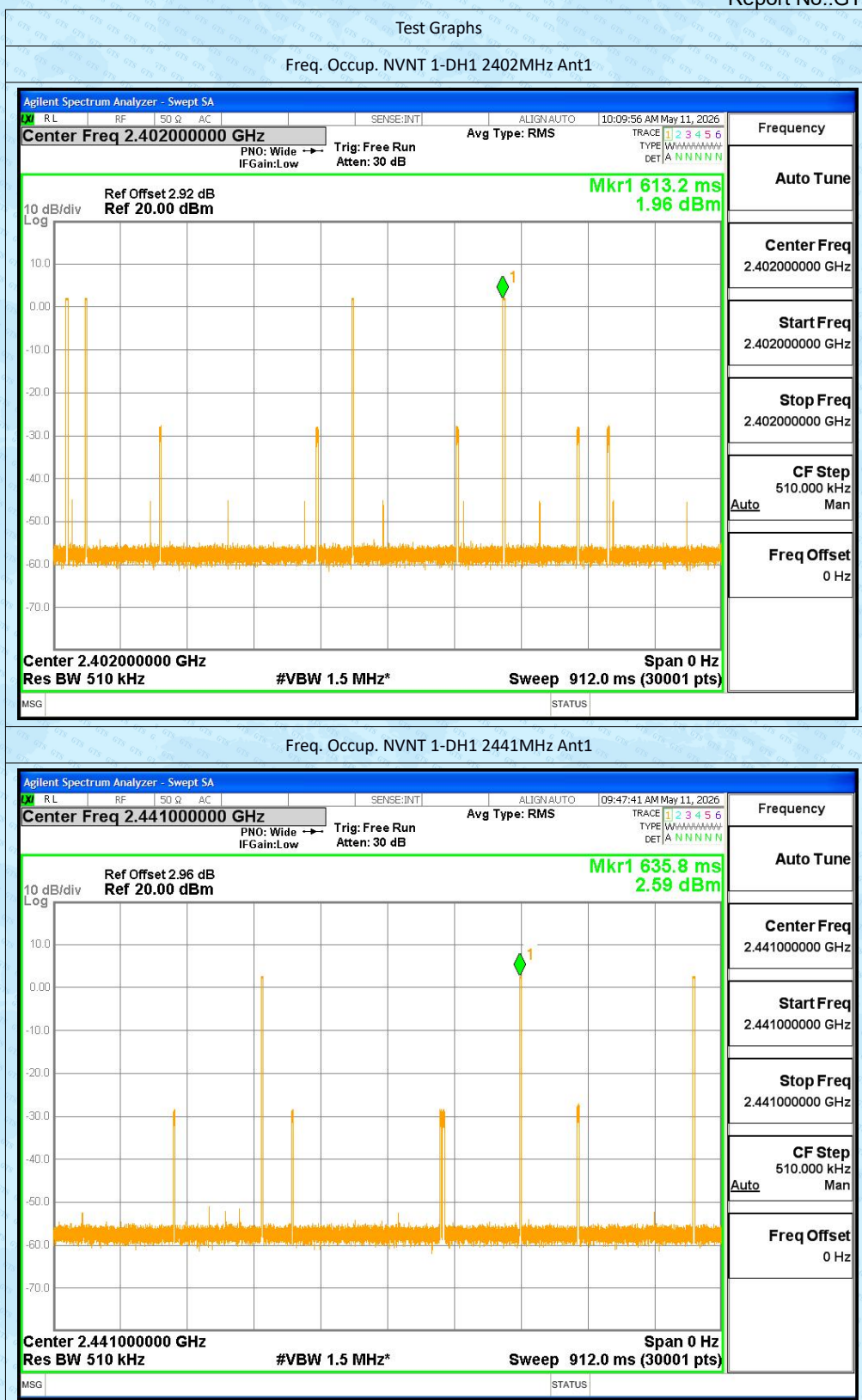




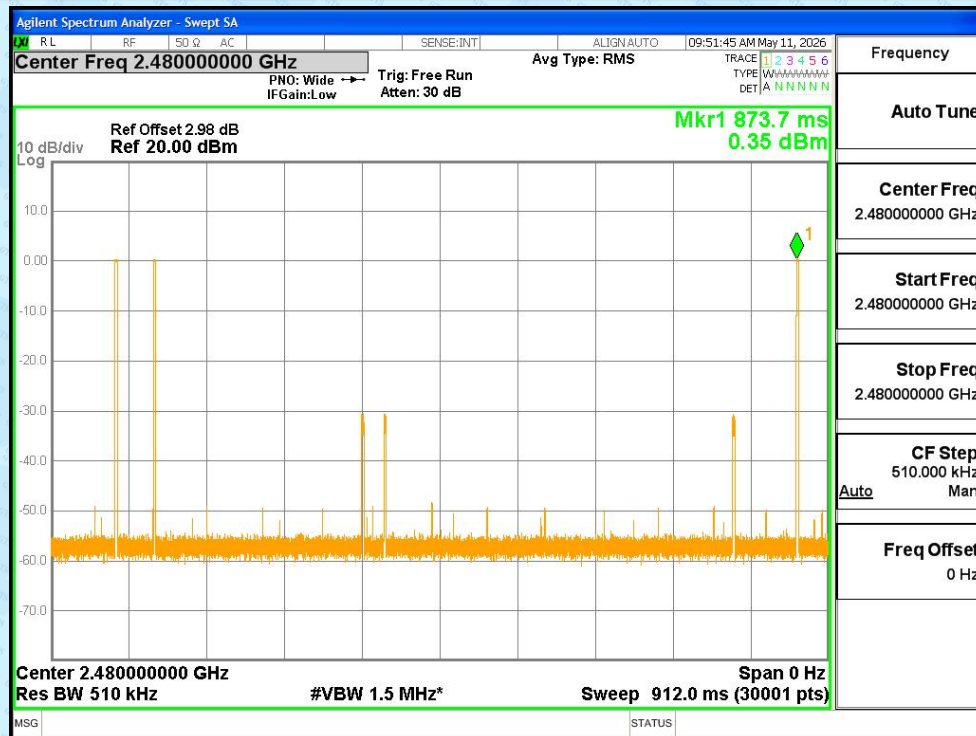


5.4.4 Frequency Occupation

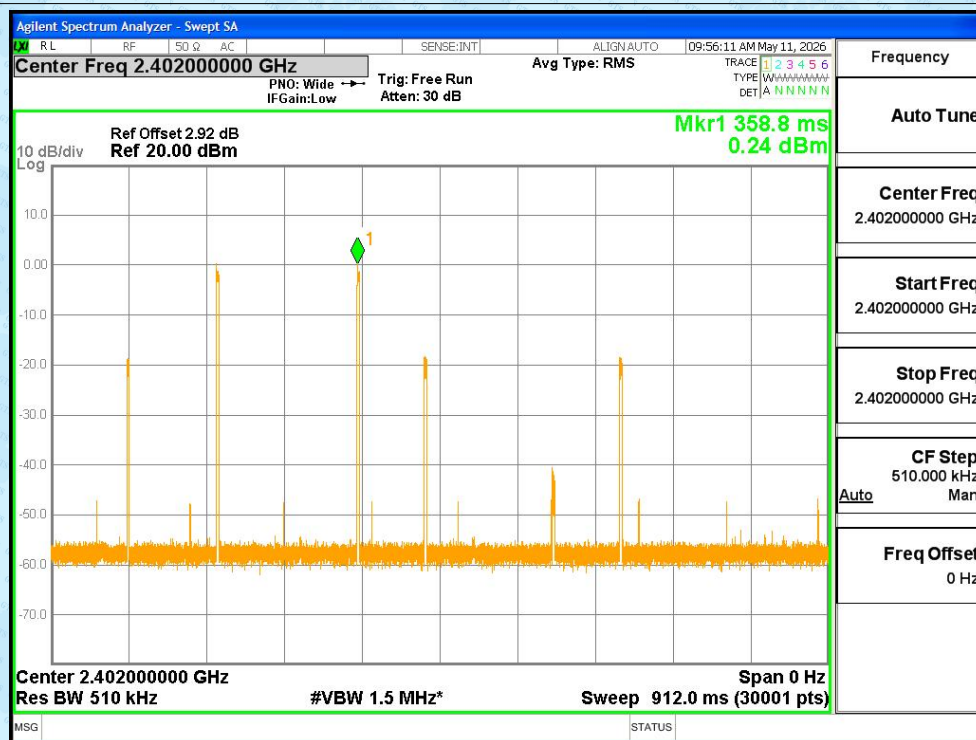
Condition	Mode	Frequency (MHz)	Antenna	Burst Number	Limit	Sweep Time (ms)	Verdict
NVNT	1-DH1	2402	Ant1	4	1	911.028	Pass
		2441		3	1	911.028	Pass
		2480		3	1	911.028	Pass
	2-DH1	2402		2	1	911.028	Pass
		2441		2	1	911.028	Pass
		2480		4	1	911.66	Pass
	3-DH1	2402		2	1	912.292	Pass
		2441		6	1	911.976	Pass
		2480		6	1	912.292	Pass



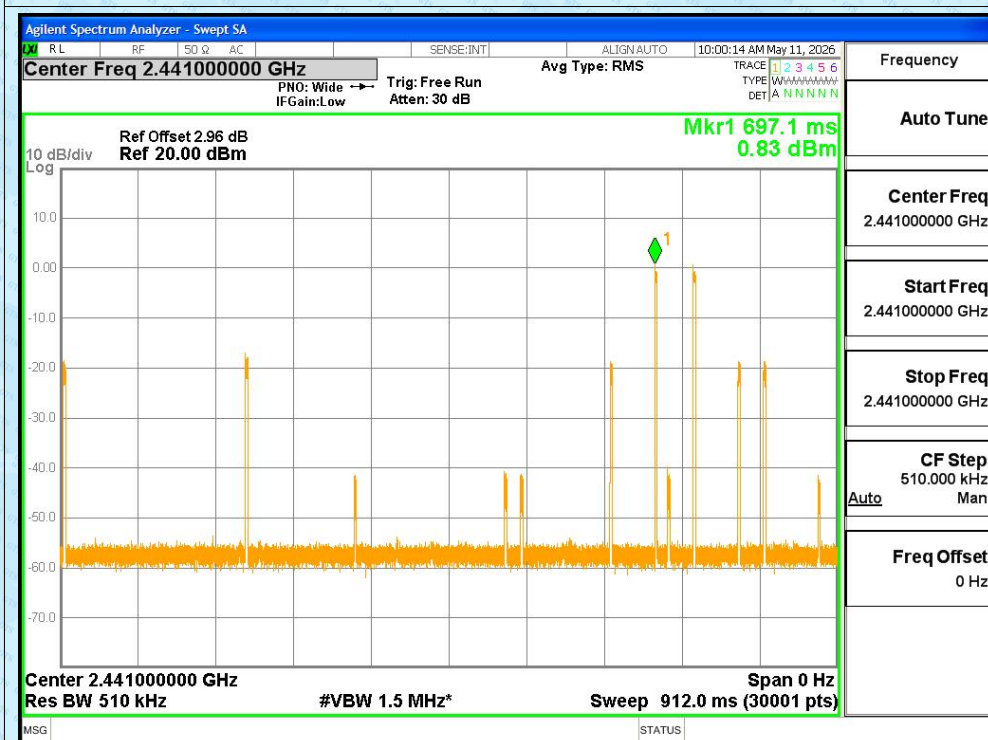
Freq. Occup. NVNT 1-DH1 2480MHz Ant1



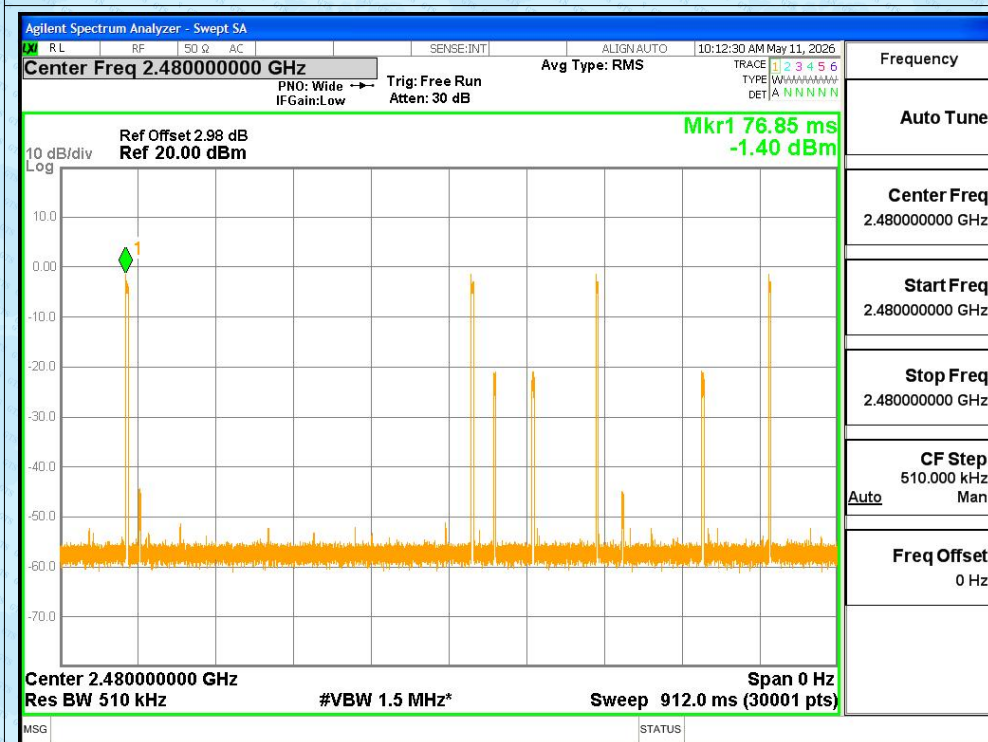
Freq. Occup. NVNT 2-DH1 2402MHz Ant1

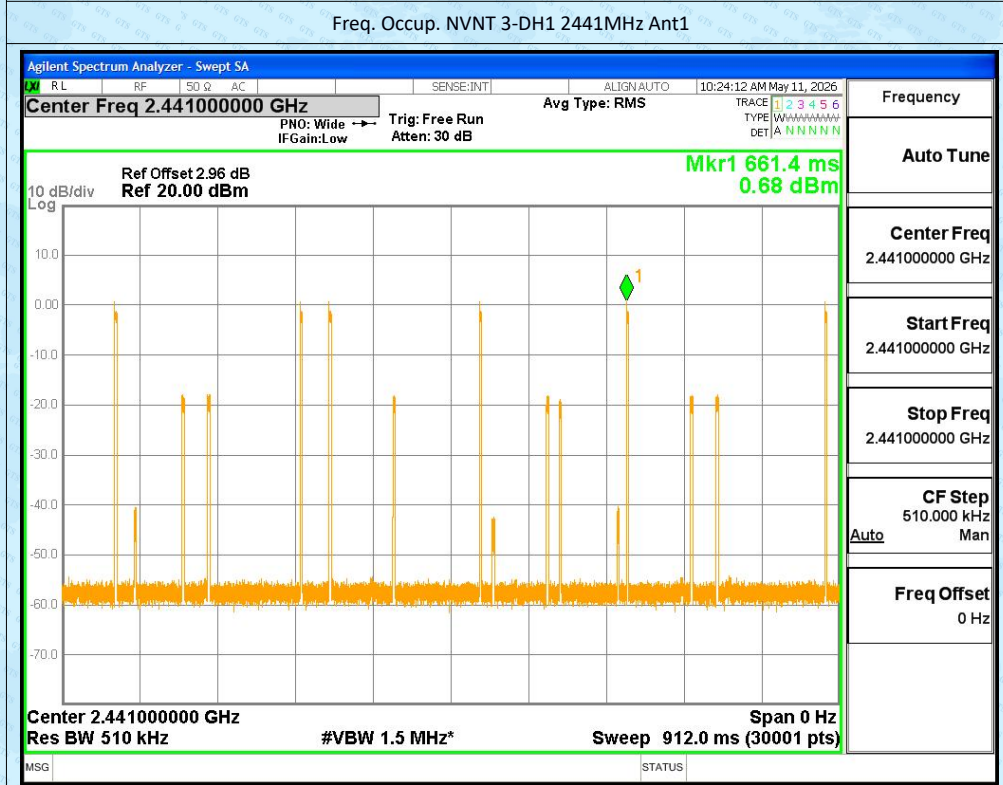
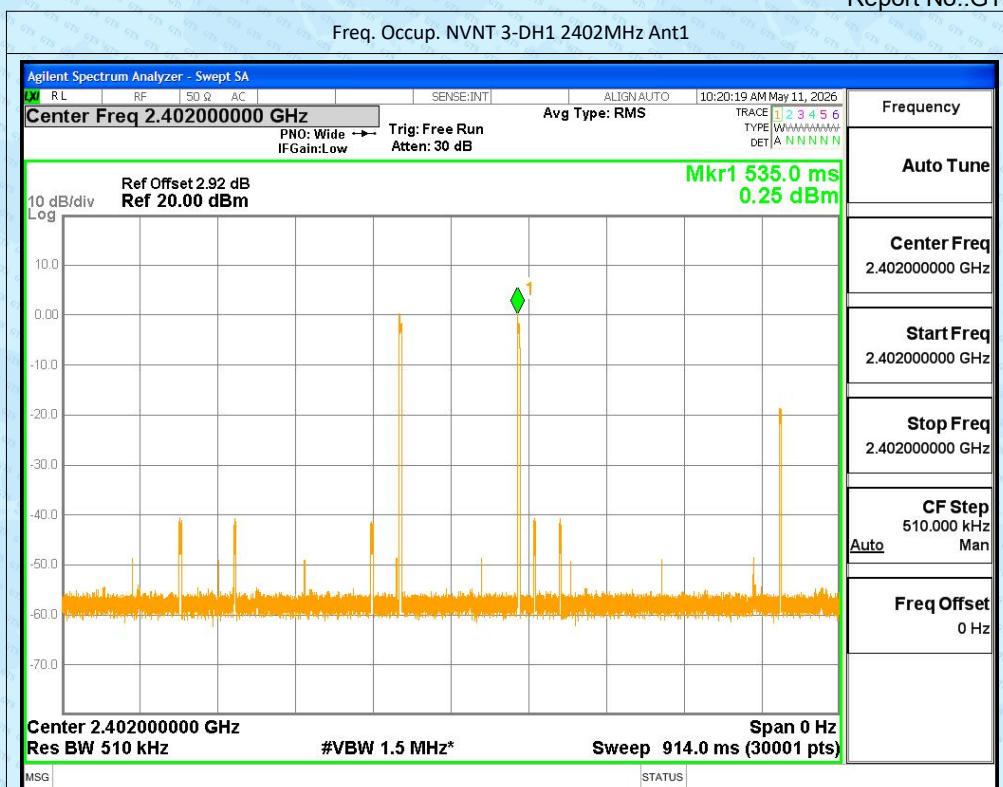


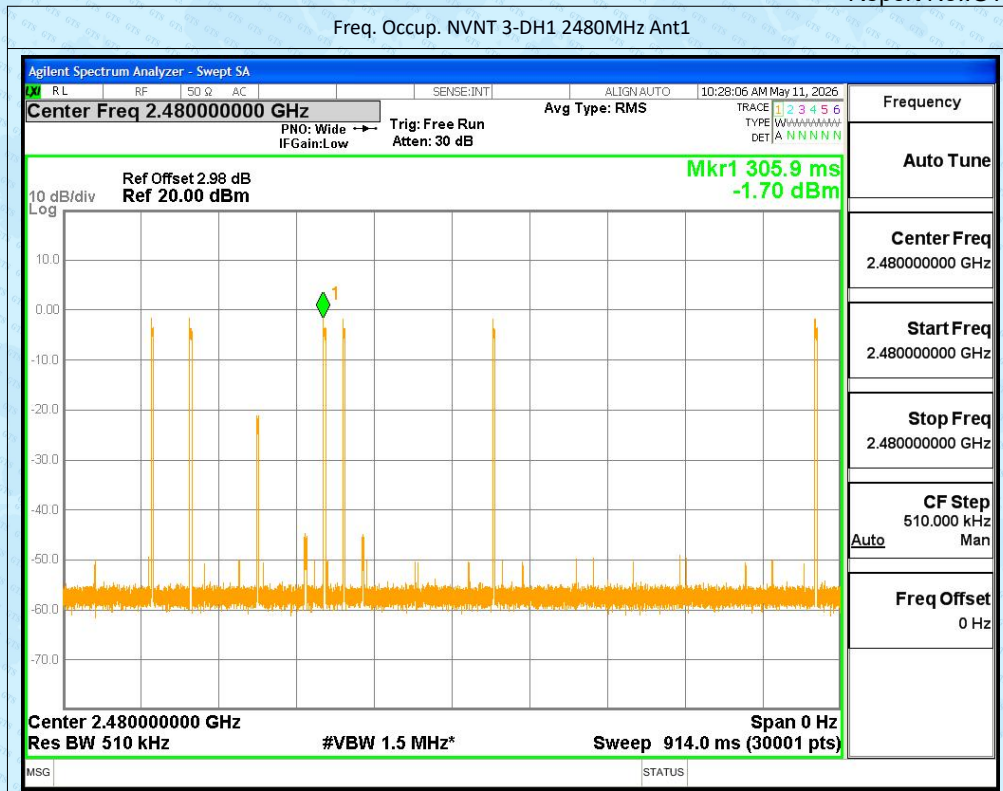
Freq. Occup. NVNT 2-DH1 2441MHz Ant1



Freq. Occup. NVNT 2-DH1 2480MHz Ant1





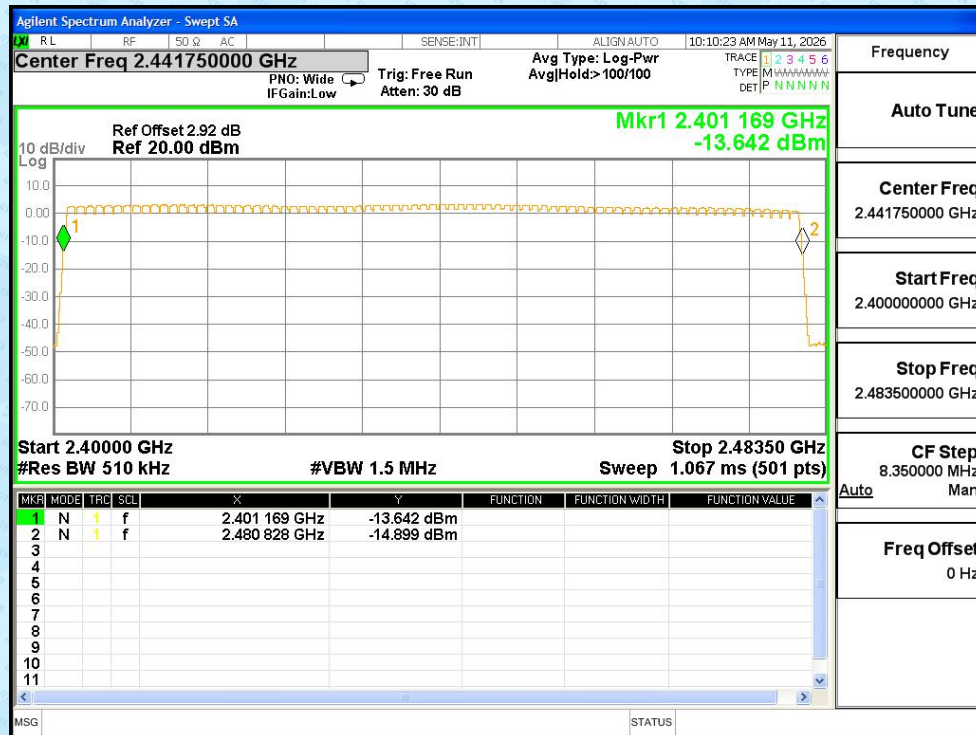


5.4.4 Hopping Sequence

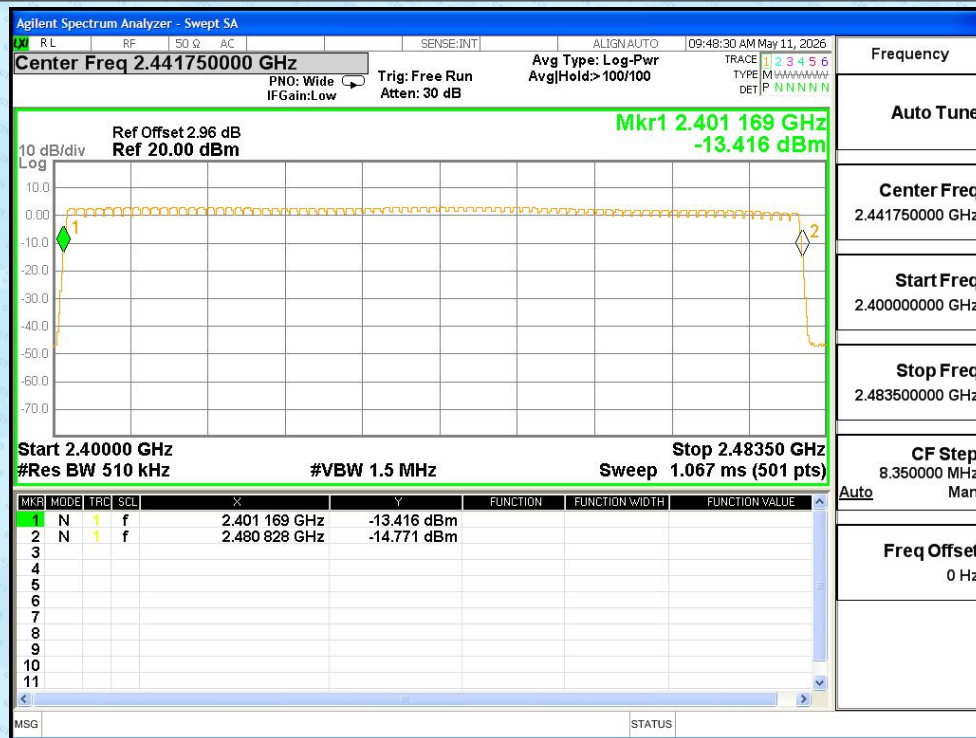
Condition	Mode	Antenna	Hopping Number	Limit	Band Allocation (%)	Limit Band Allocation (%)	Verdict
NVNT	1-DH1	Ant1	79	15	95.4	70	Pass
	2-DH1			15	96.2	70	Pass
				15	96	70	Pass
				15	96	70	Pass
	3-DH1			15	96.2	70	Pass

Test Graphs

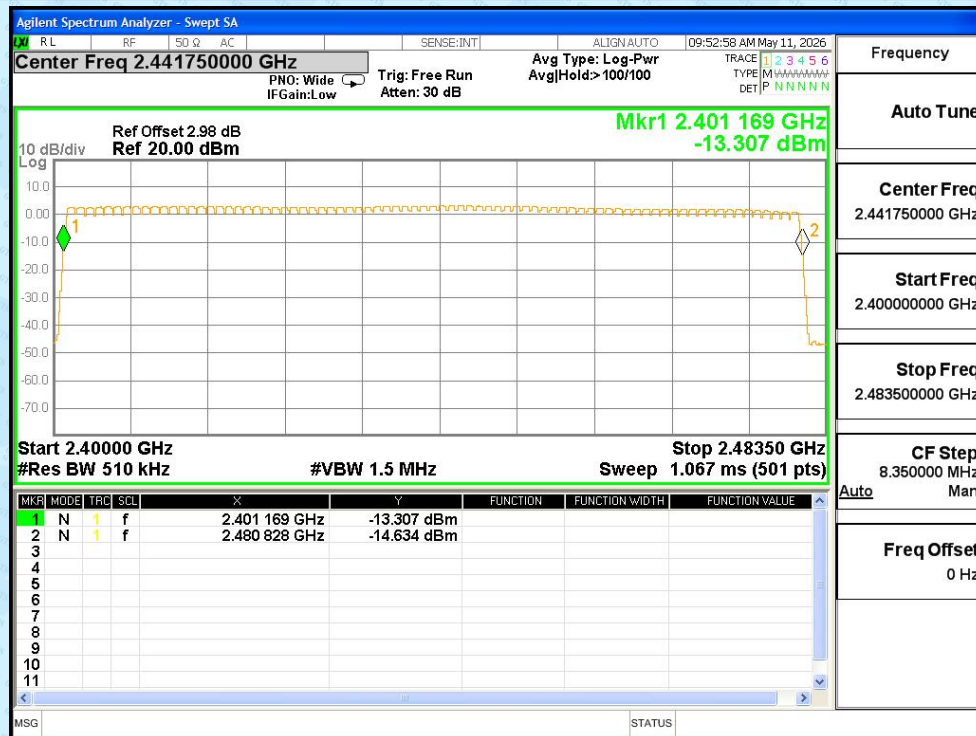
Hopping Seq. NVNT 1-DH1 2402MHz Ant1



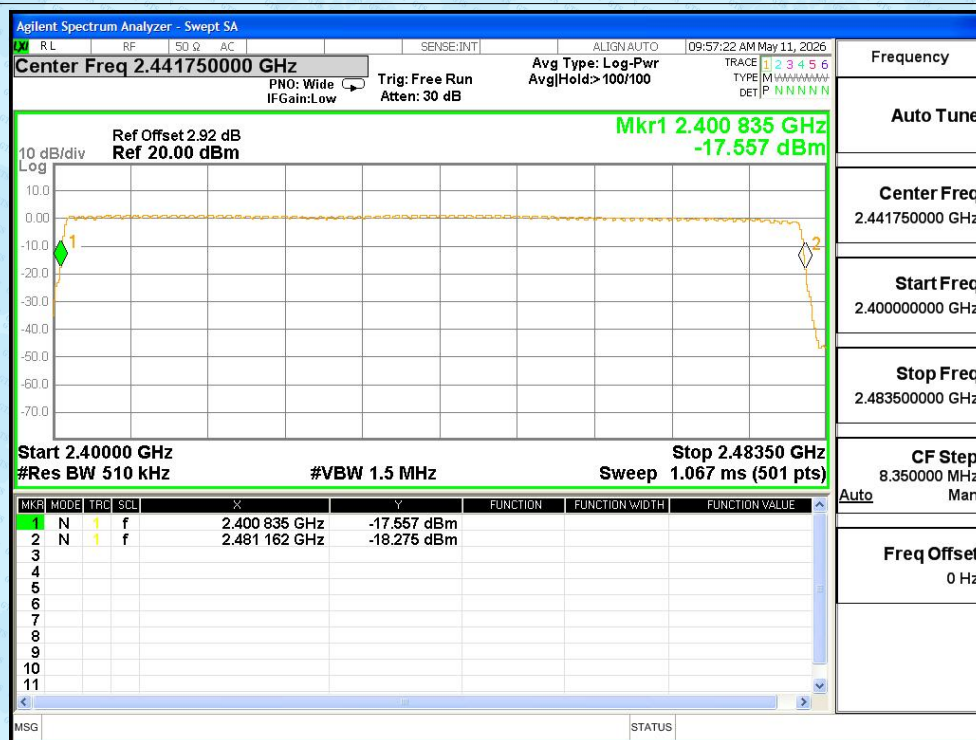
Hopping Seq. NVNT 1-DH1 2441MHz Ant1



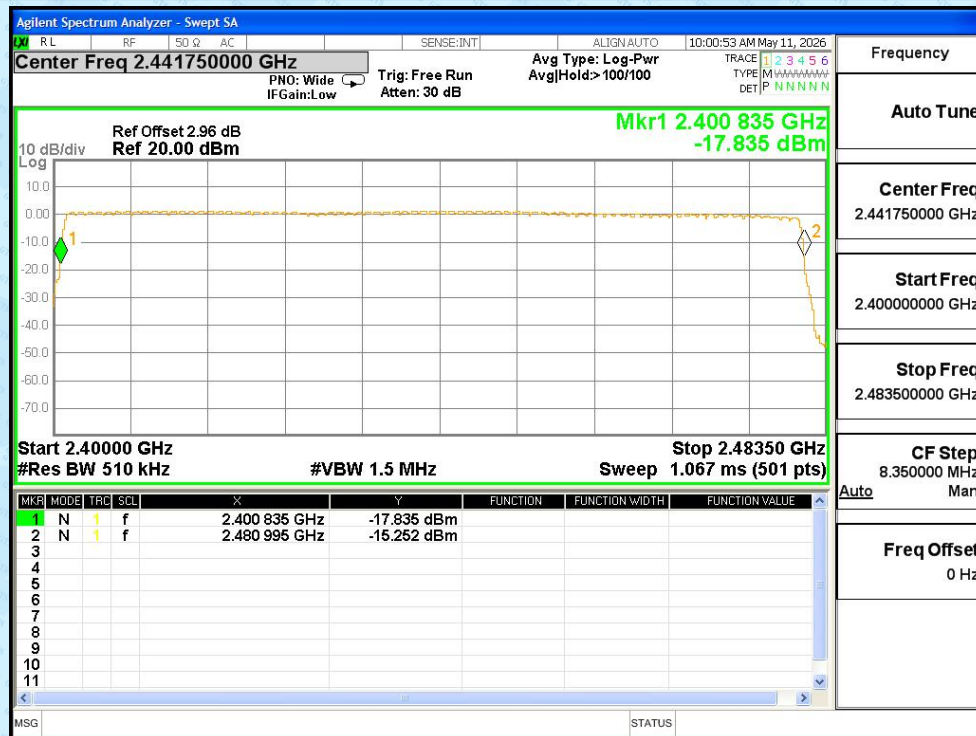
Hopping Seq. NVNT 1-DH1 2480MHz Ant1



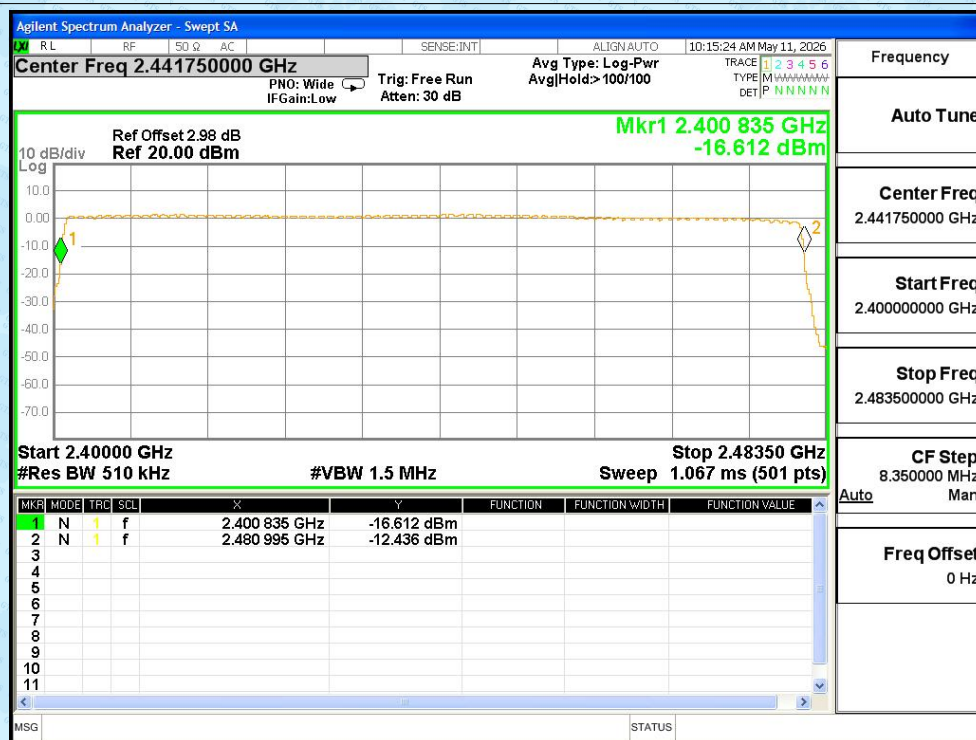
Hopping Seq. NVNT 2-DH1 2402MHz Ant1



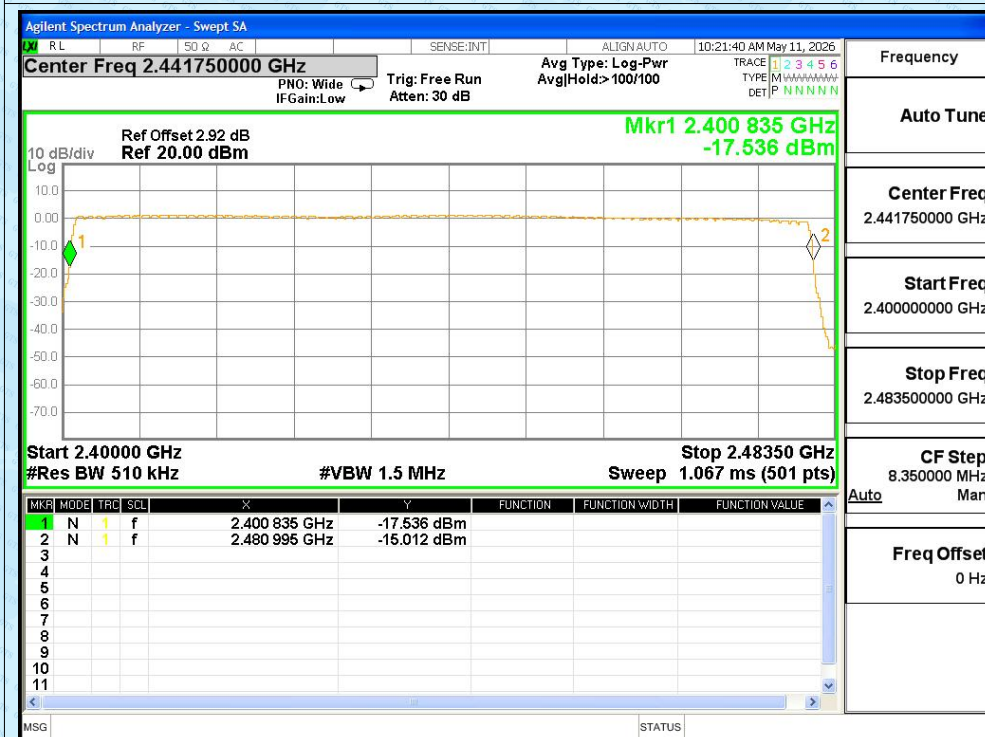
Hopping Seq. NVNT 2-DH1 2441MHz Ant1



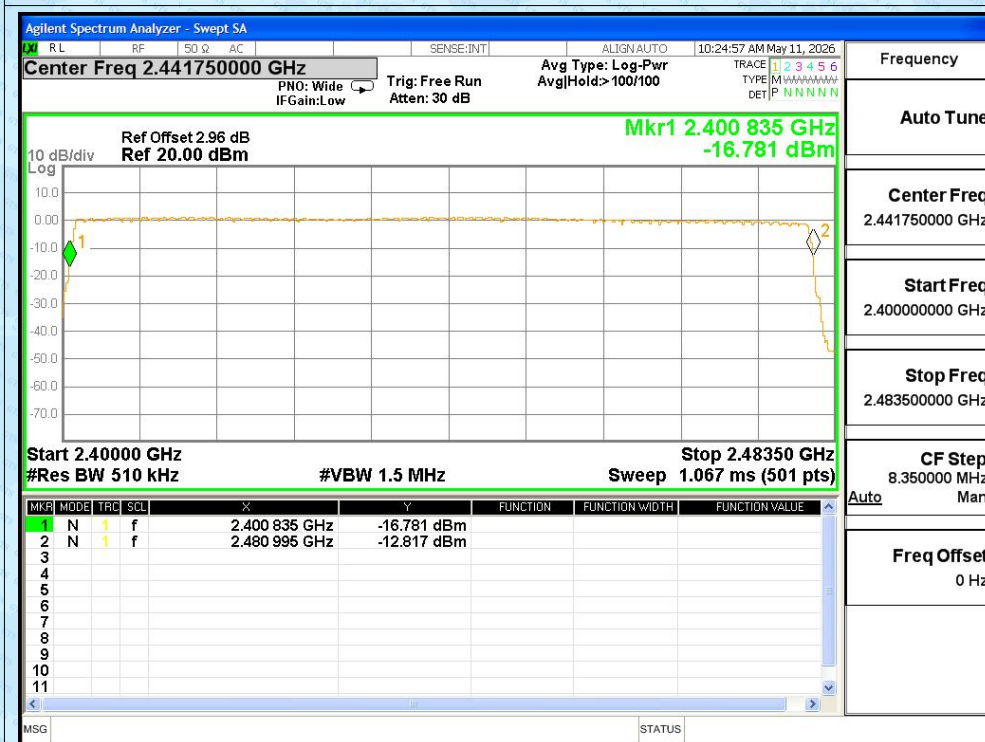
Hopping Seq. NVNT 2-DH1 2480MHz Ant1



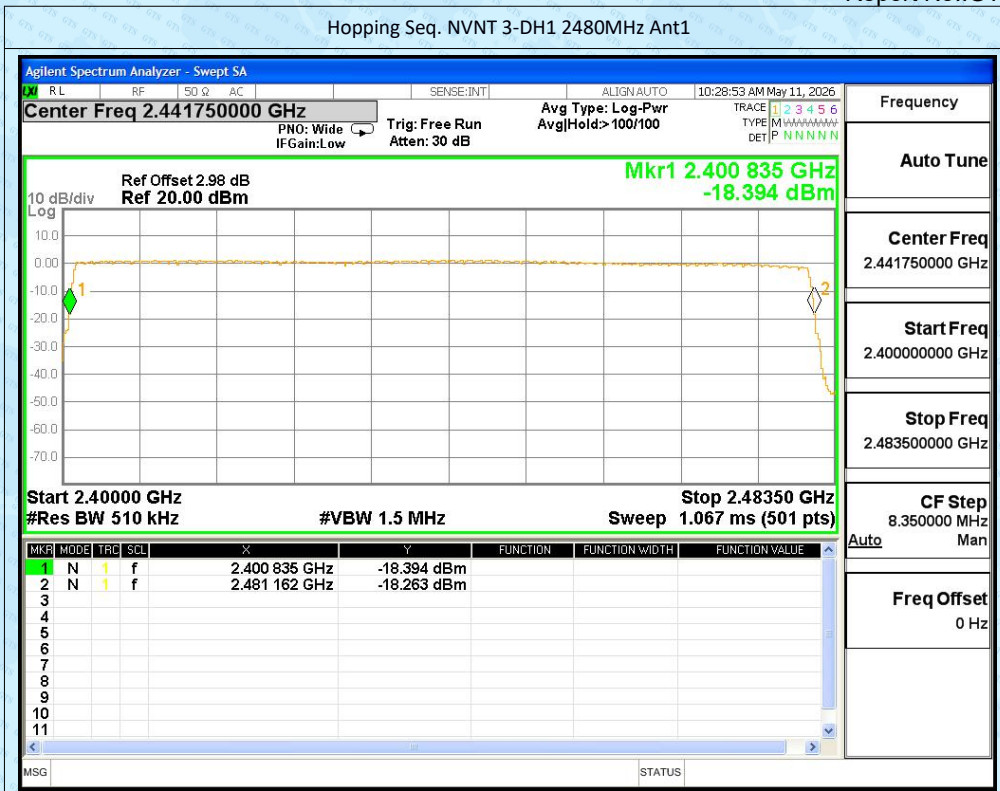
Hopping Seq. NVNT 3-DH1 2402MHz Ant1



Hopping Seq. NVNT 3-DH1 2441MHz Ant1



Hopping Seq. NVNT 3-DH1 2480MHz Ant1



5.4.4 Dwell Time One Burst

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)
NVNT	1-DH1	2402	Ant1	2.883
		2441		2.884
		2480		2.883
	2-DH1	2402		2.883
		2441		2.883
		2480		2.885
	3-DH1	2402		2.887
		2441		2.886
		2480		2.887

Test Graphs

One Burst NVNT 1-DH1 2402MHz Ant1 One Burst



One Burst NVNT 1-DH1 2441MHz Ant1 One Burst



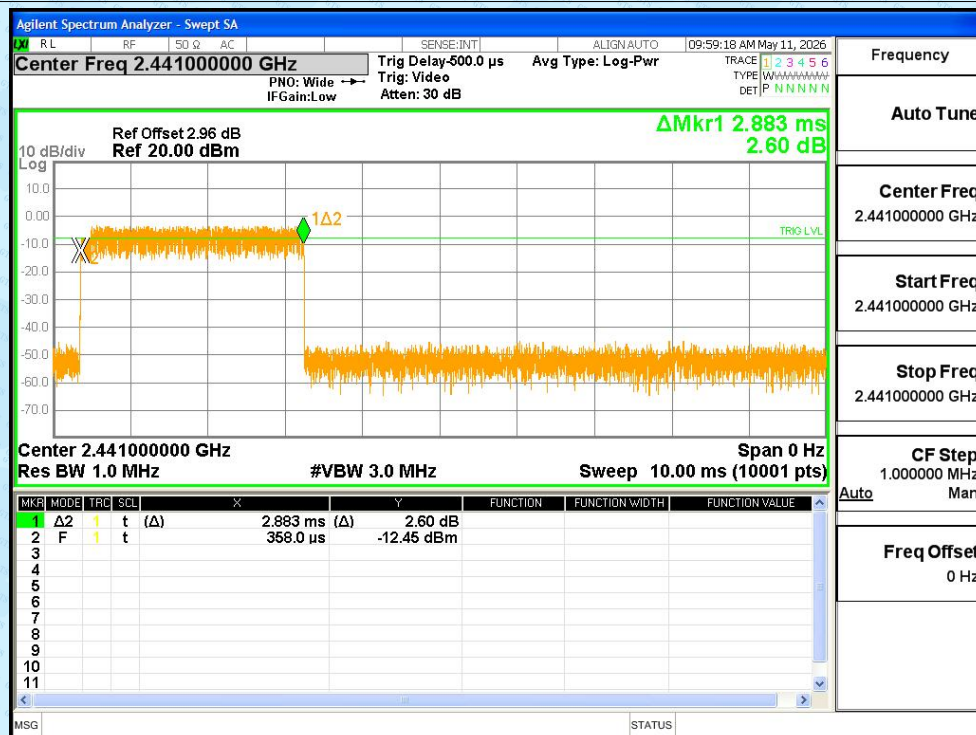
One Burst NVNT 1-DH1 2480MHz Ant1 One Burst



One Burst NVNT 2-DH1 2402MHz Ant1 One Burst



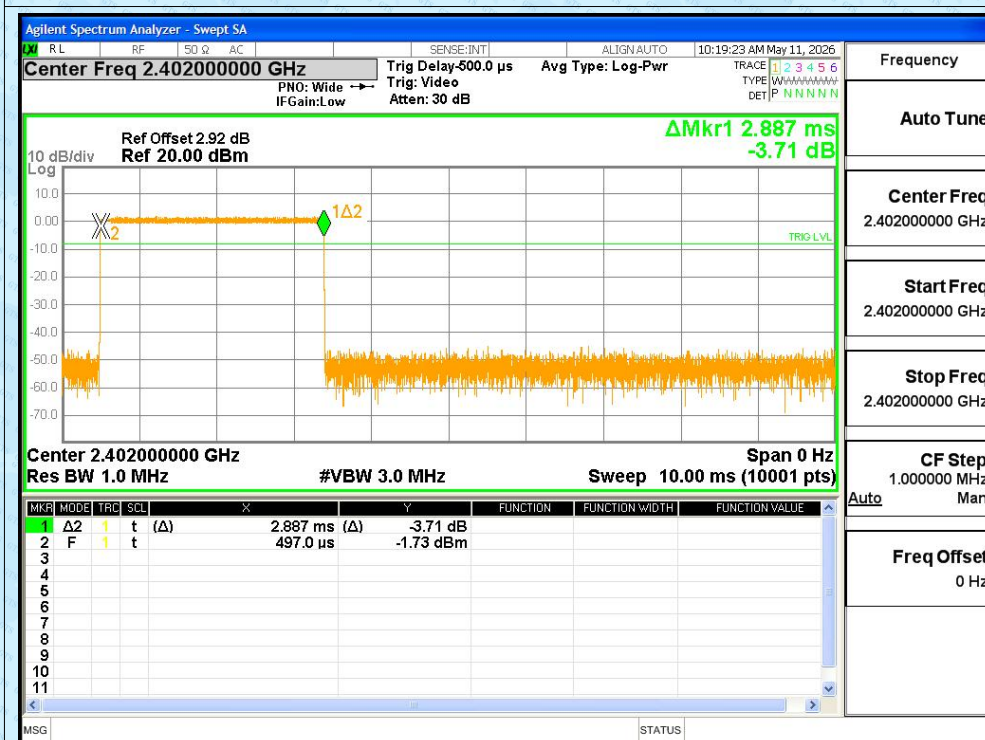
One Burst NVNT 2-DH1 2441MHz Ant1 One Burst



One Burst NVNT 2-DH1 2480MHz Ant1 One Burst

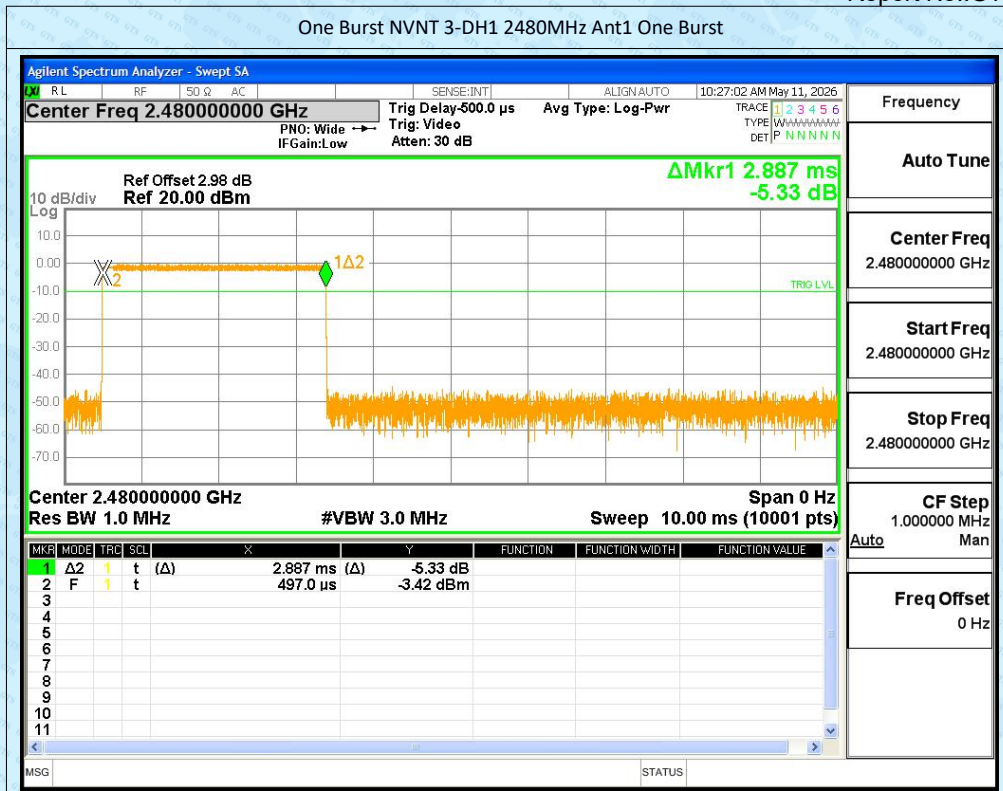


One Burst NVNT 3-DH1 2402MHz Ant1 One Burst



One Burst NVNT 3-DH1 2441MHz Ant1 One Burst



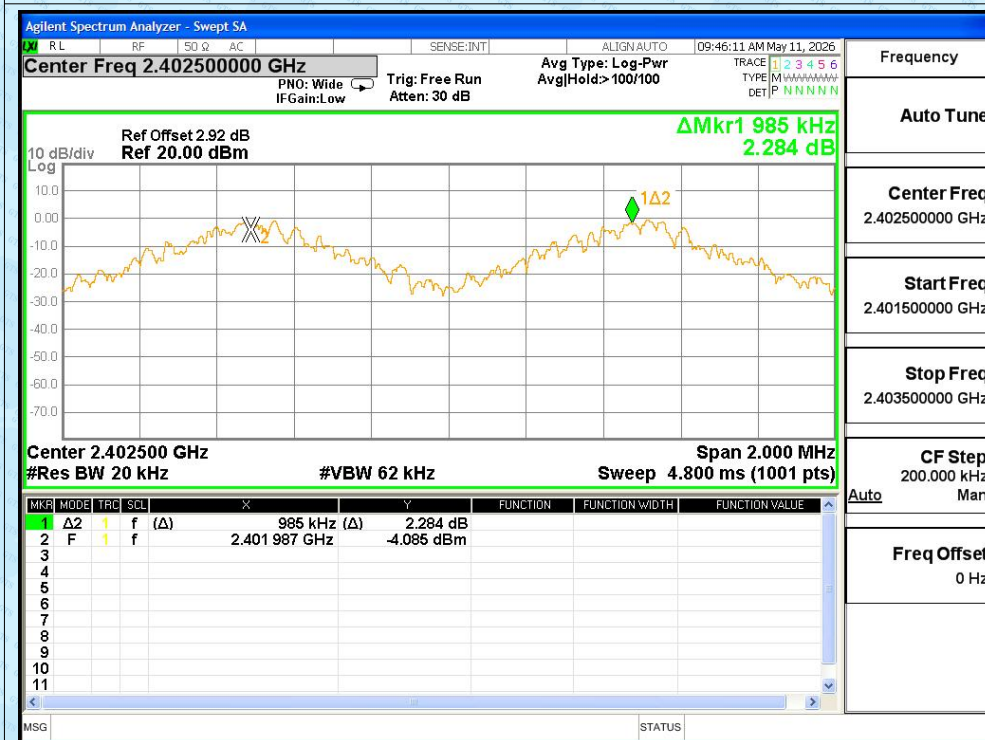


5.4.5 Hopping Frequency Separation

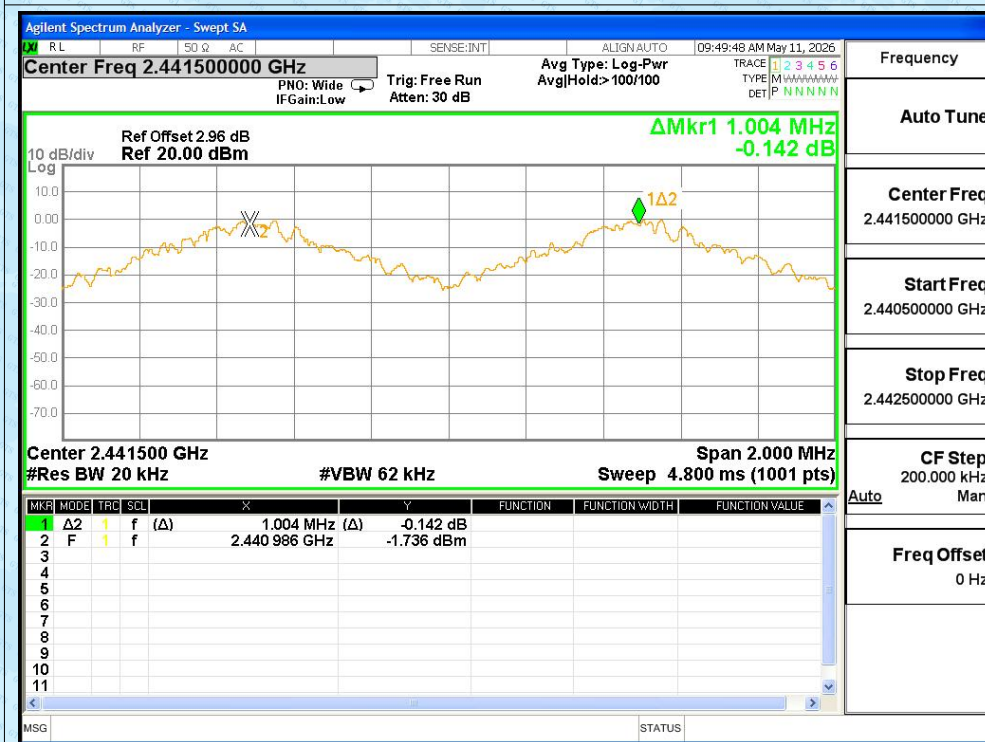
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict	
NVNT	1-DH1	Ant1	2401.987	2402.972	0.985	0.1	Pass	
			2440.986	2441.99	1.004	0.1	Pass	
			2478.987	2479.983	0.996	0.1	Pass	
	2-DH1		2401.996	2403.006	1.01	0.1	Pass	
			2440.993	2442.146	1.153	0.1	Pass	
			2479.074	2479.977	0.903	0.1	Pass	
			3-DH1	2401.998	2402.968	0.97	0.1	Pass
				2441.175	2442.062	0.887	0.1	Pass
				2478.997	2480.132	1.135	0.1	Pass

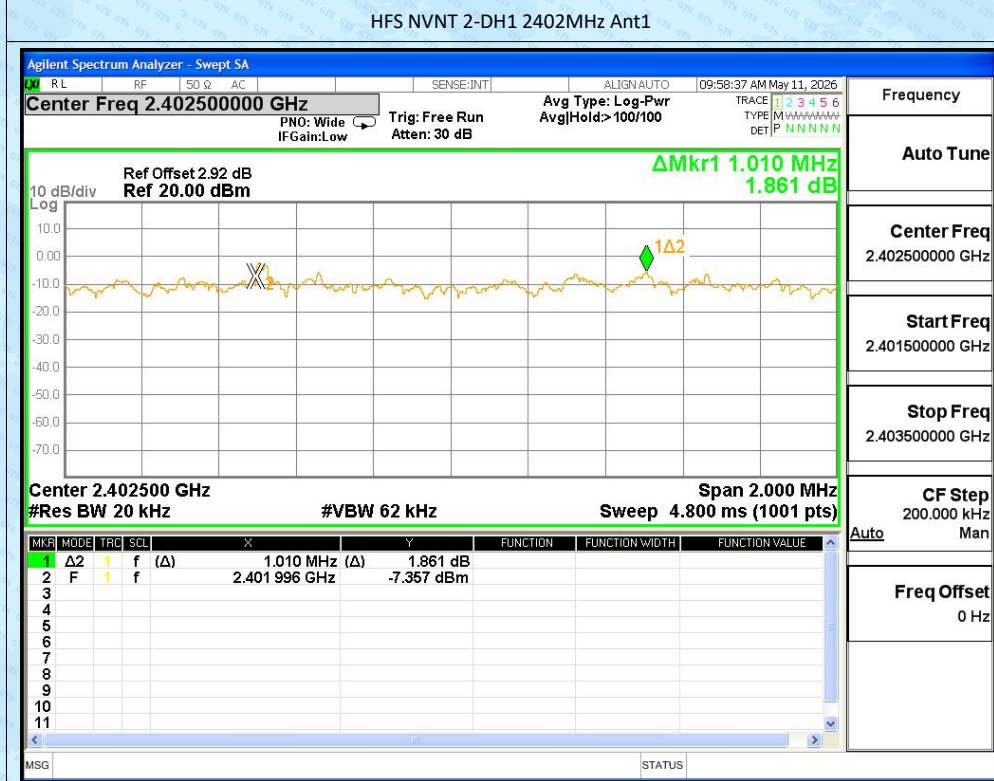
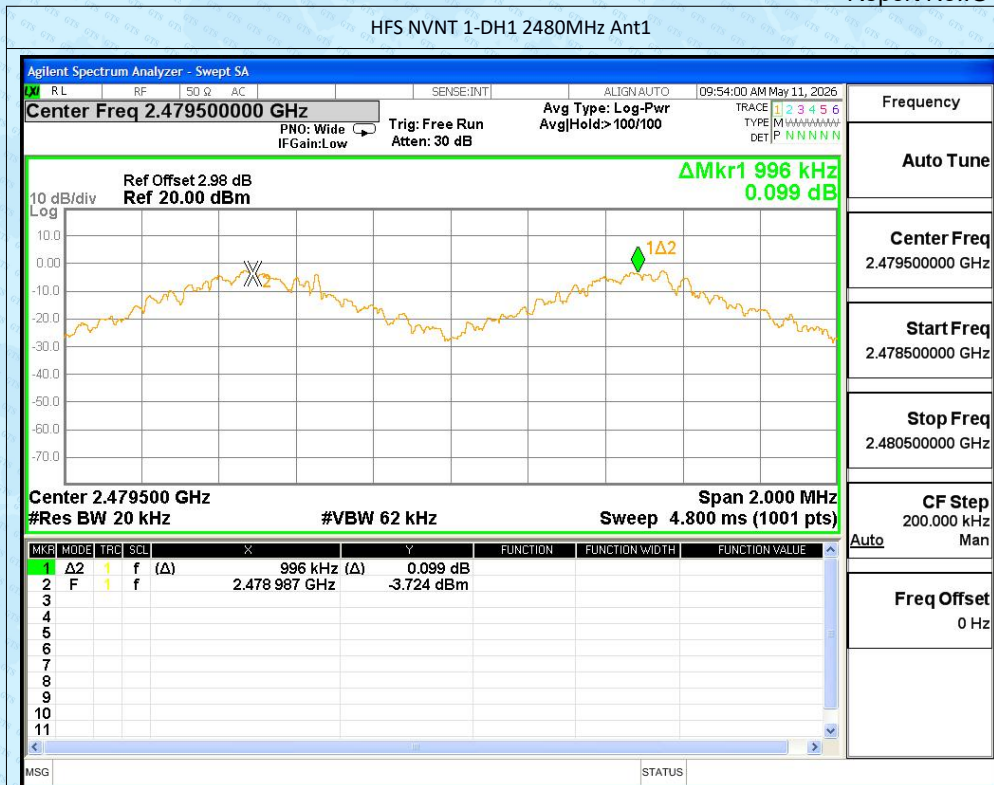
Test Graphs

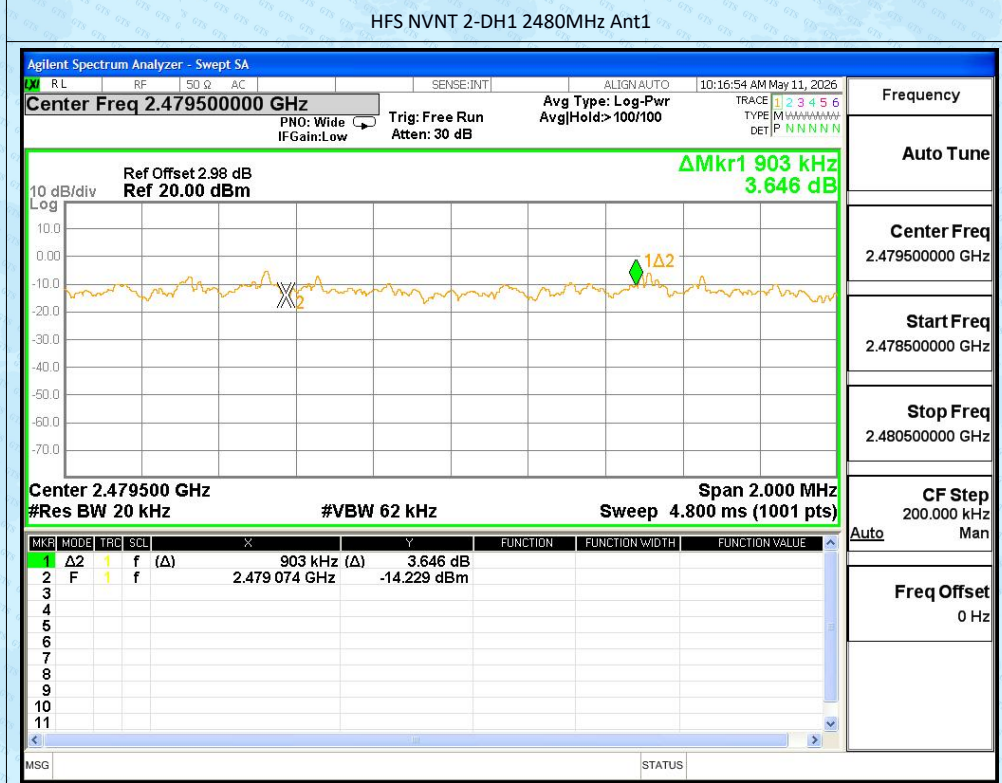
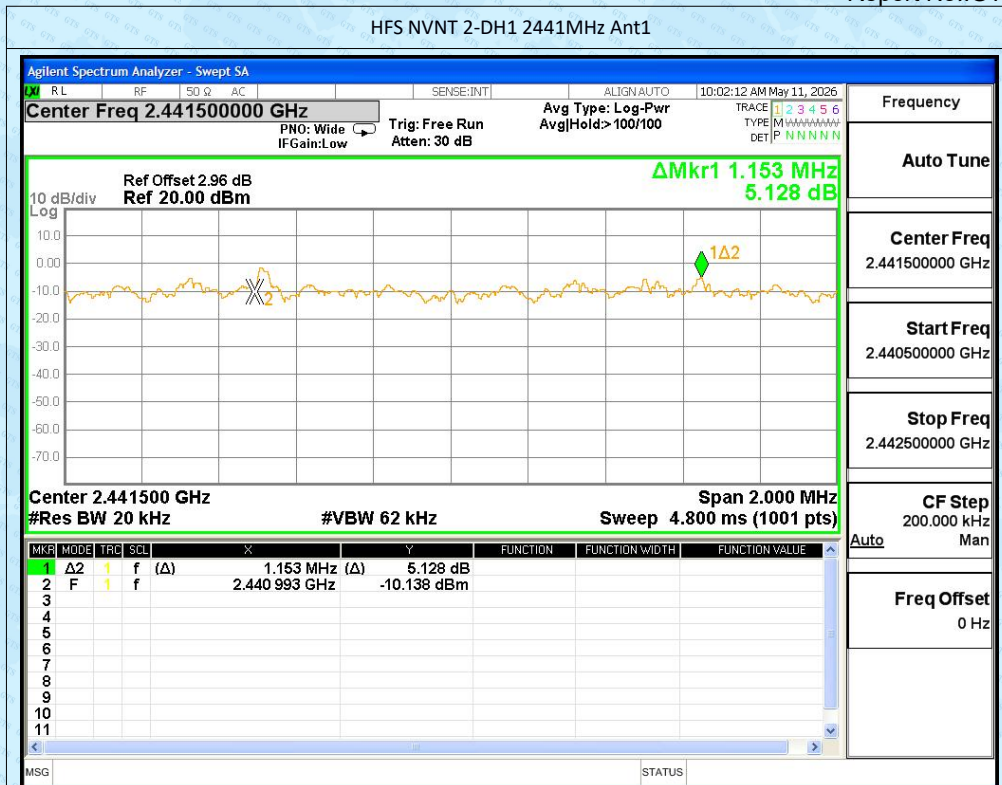
HFS NVNT 1-DH1 2402MHz Ant1

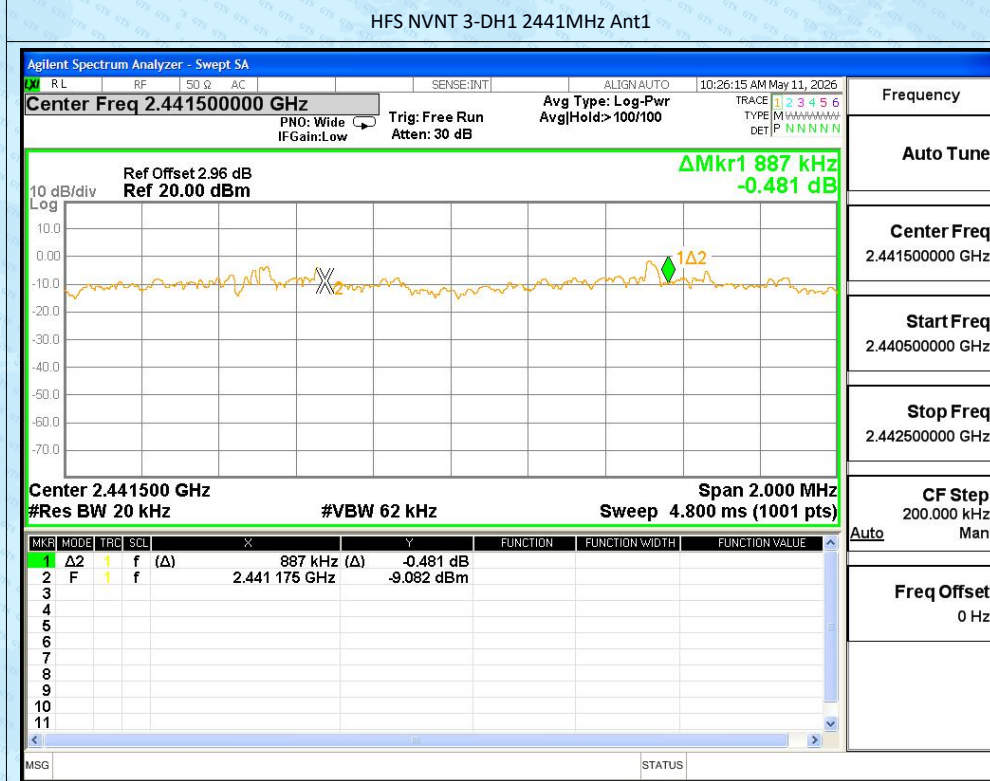
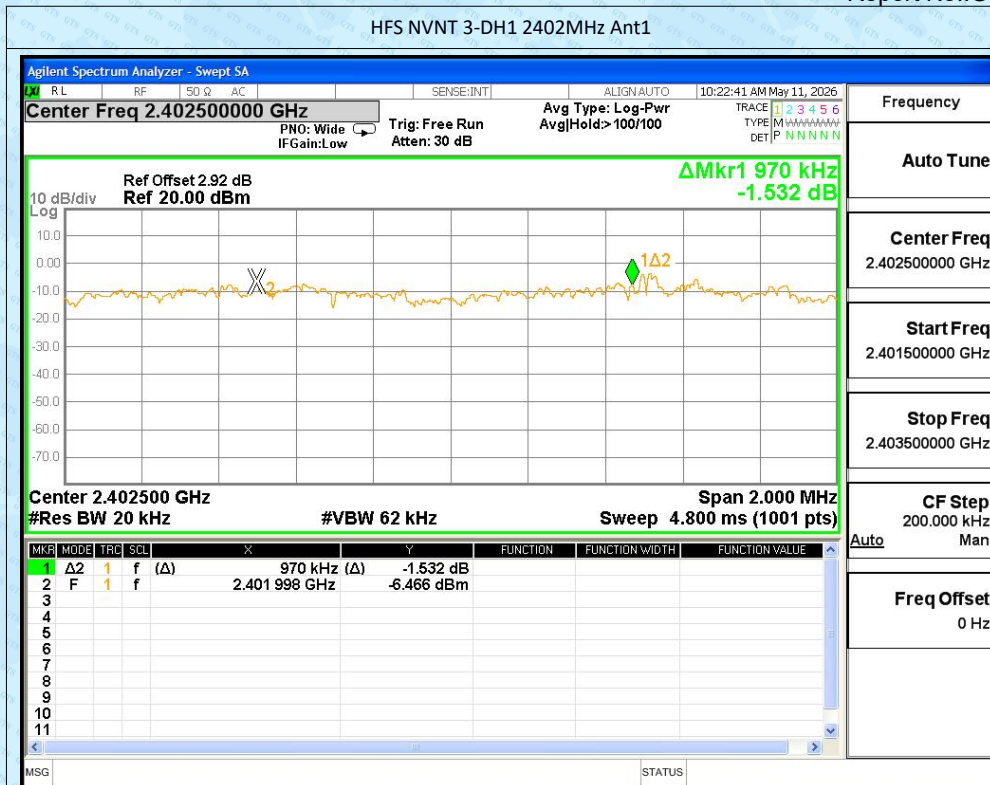


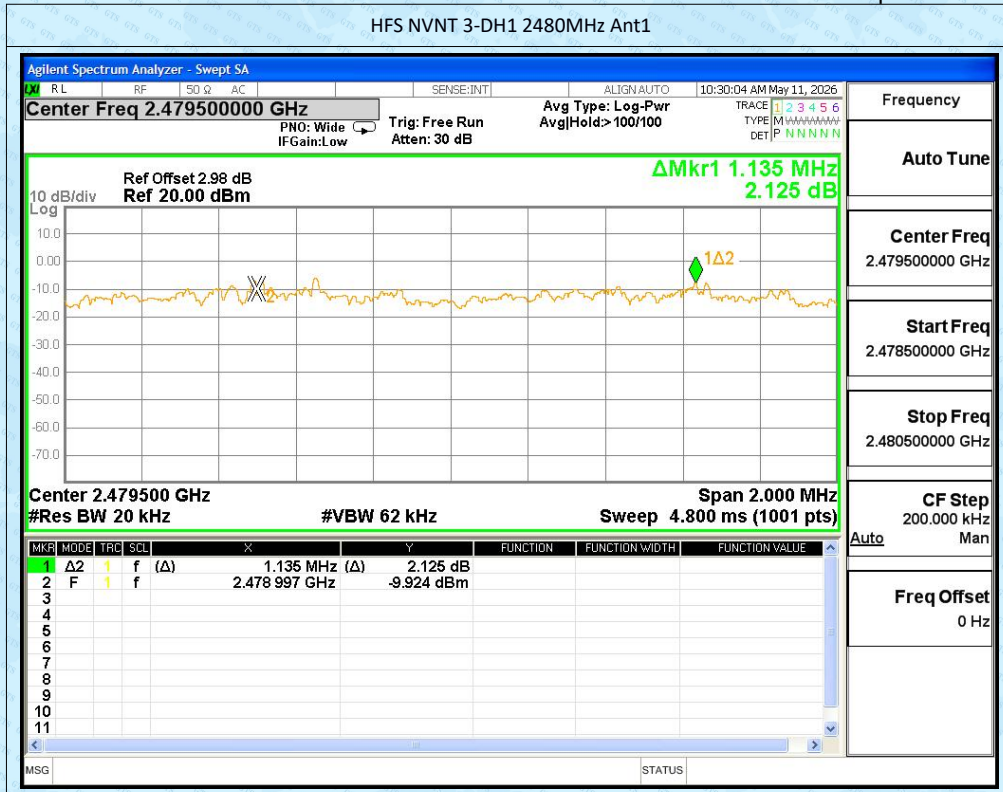
HFS NVNT 1-DH1 2441MHz Ant1









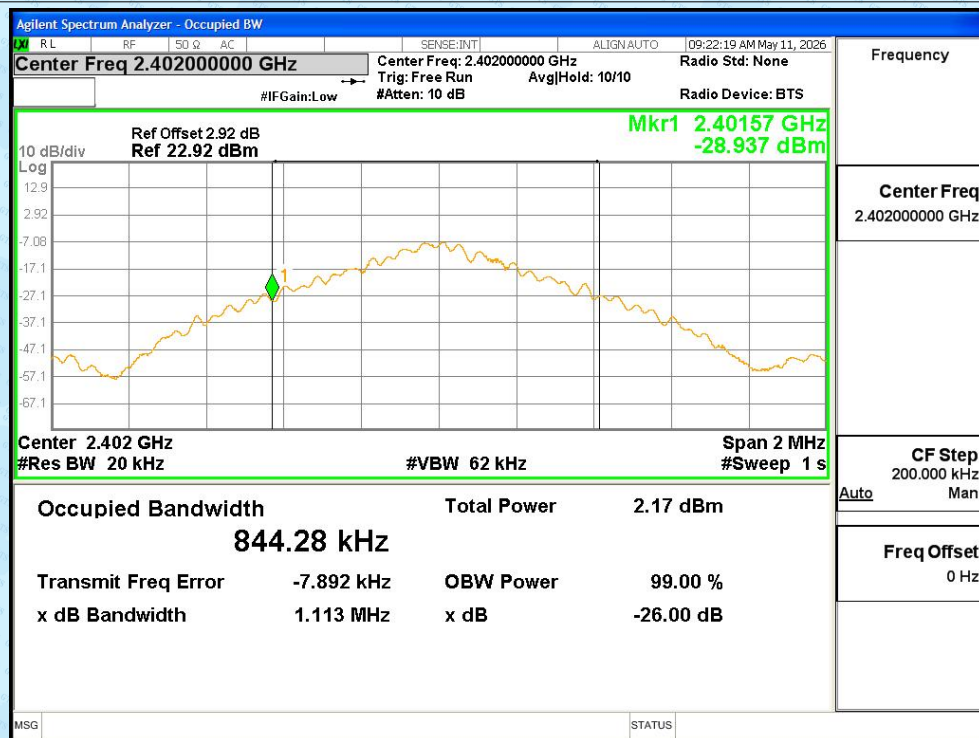


5.4.7 Occupied Channel Bandwidth

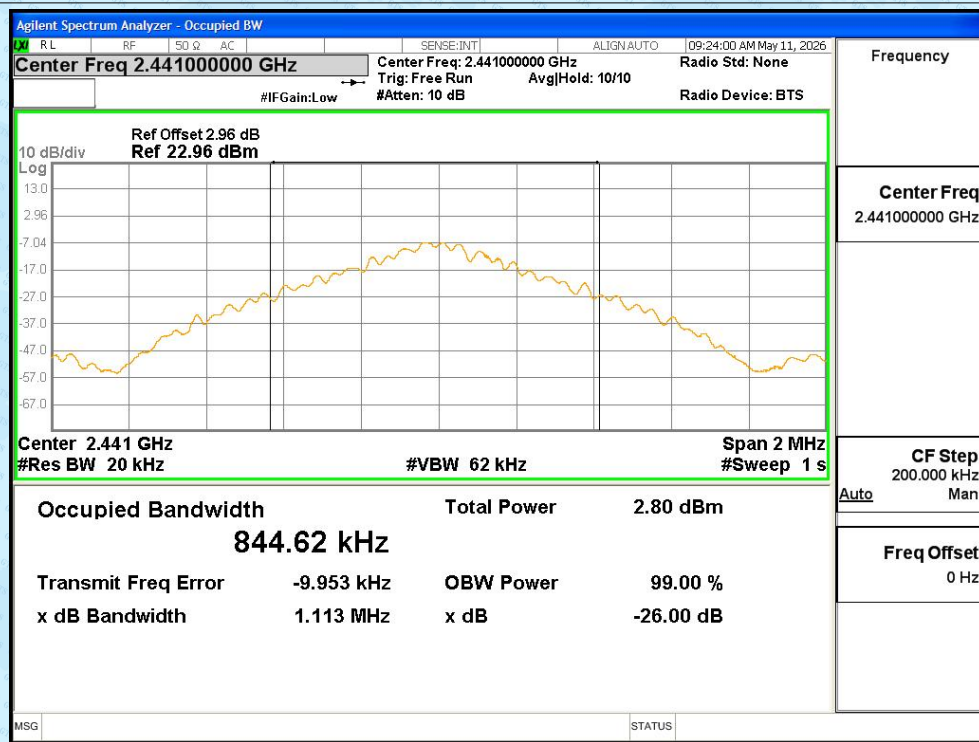
Condition	Mode	Frequency (MHz)	Antenna	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	1-DH1	2402	Ant1	2401.992	0.844	2401.57	2402.414	2400 - 2483.5MHz	Pass
		2441		2440.99	0.845	2440.568	2441.412	2400 - 2483.5MHz	Pass
		2480		2479.988	0.846	2479.565	2480.41	2400 - 2483.5MHz	Pass
	2-DH1	2402		2401.996	1.221	2401.386	2402.607	2400 - 2483.5MHz	Pass
		2441		2440.995	1.22	2440.385	2441.605	2400 - 2483.5MHz	Pass
		2480		2479.993	1.217	2479.384	2480.602	2400 - 2483.5MHz	Pass
	3-DH1	2402		2401.987	1.227	2401.373	2402.601	2400 - 2483.5MHz	Pass
		2441		2440.986	1.228	2440.372	2441.6	2400 - 2483.5MHz	Pass
		2480		2479.987	1.217	2479.378	2480.595	2400 - 2483.5MHz	Pass

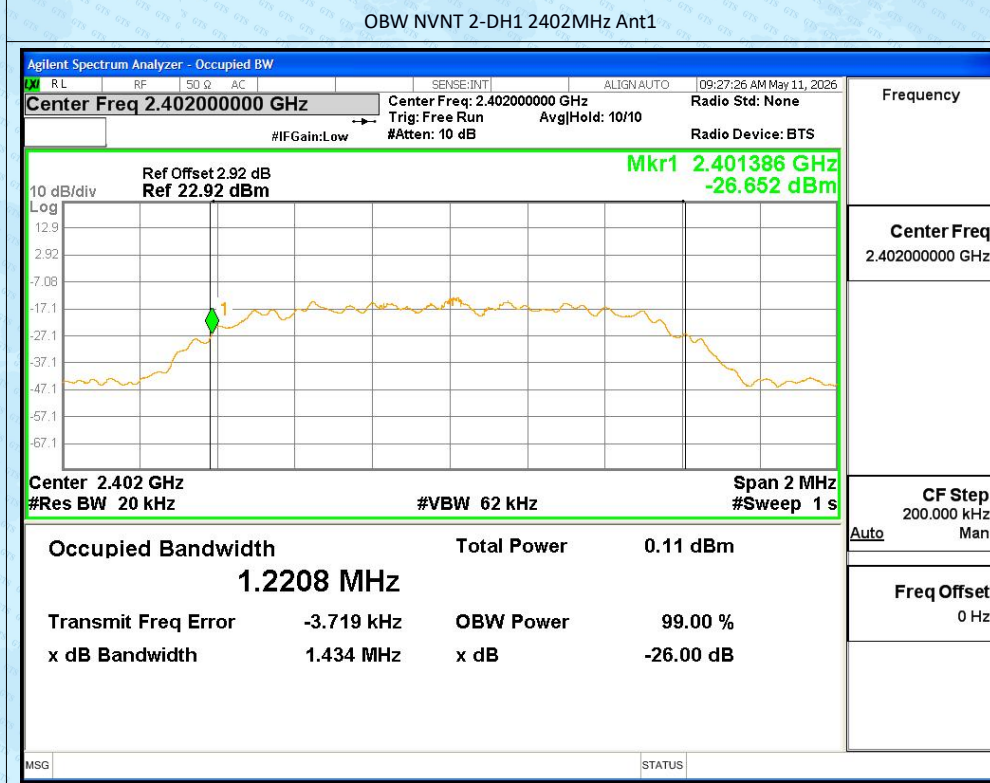
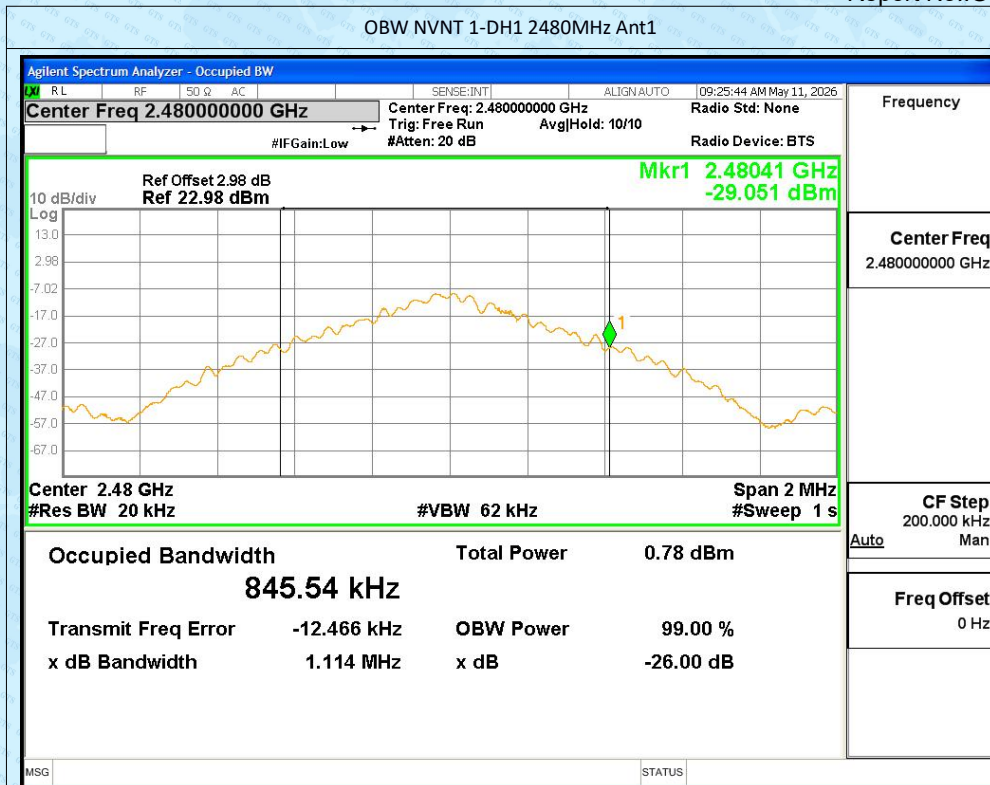
Test Graphs

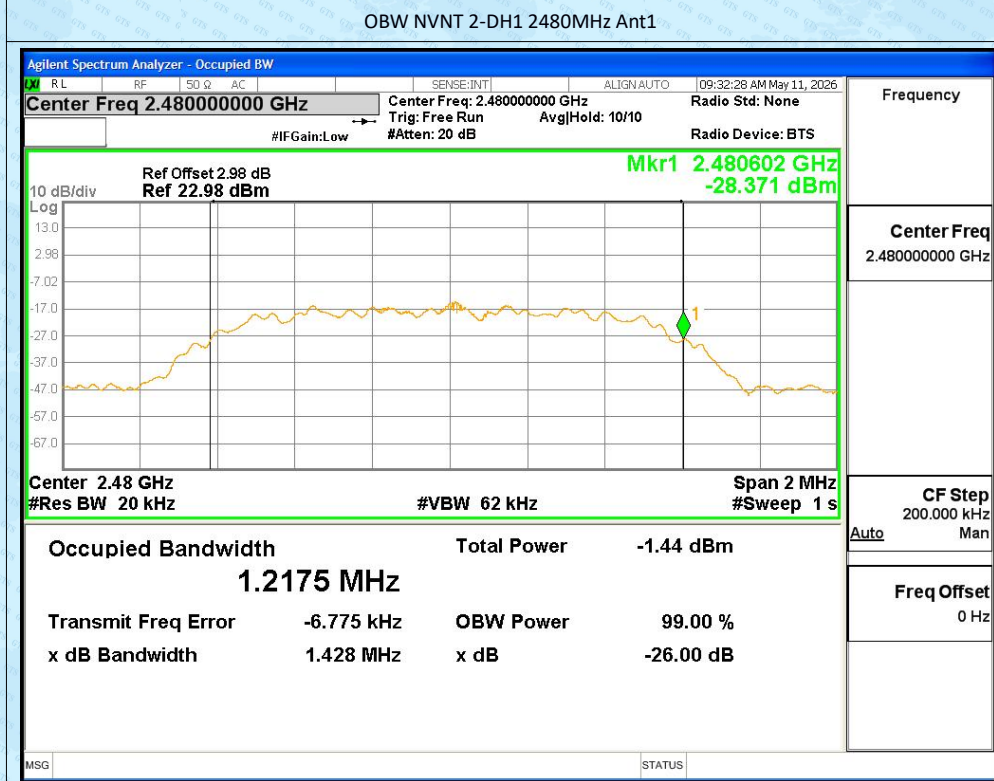
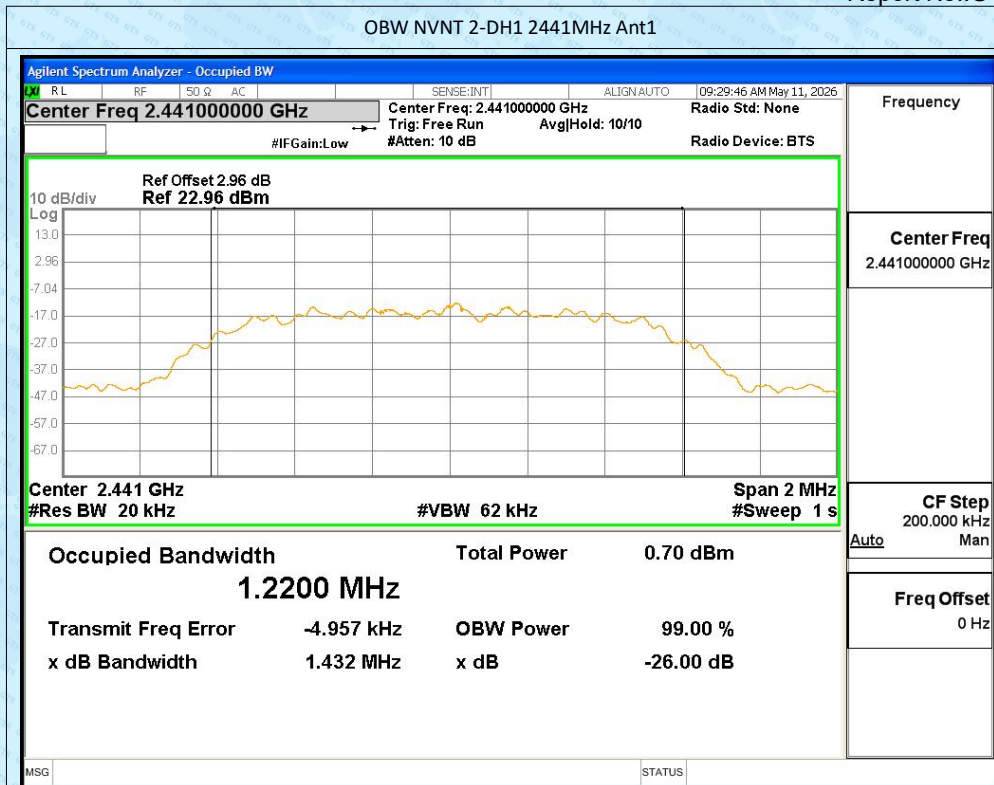
OBW NVNT 1-DH1 2402MHz Ant1

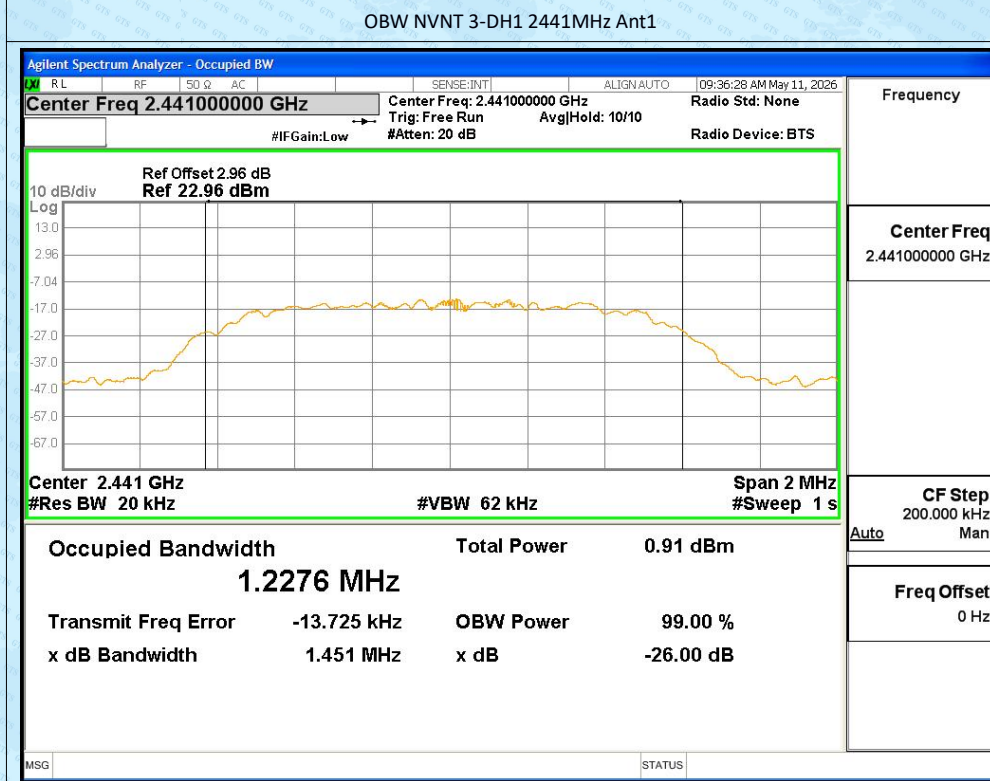
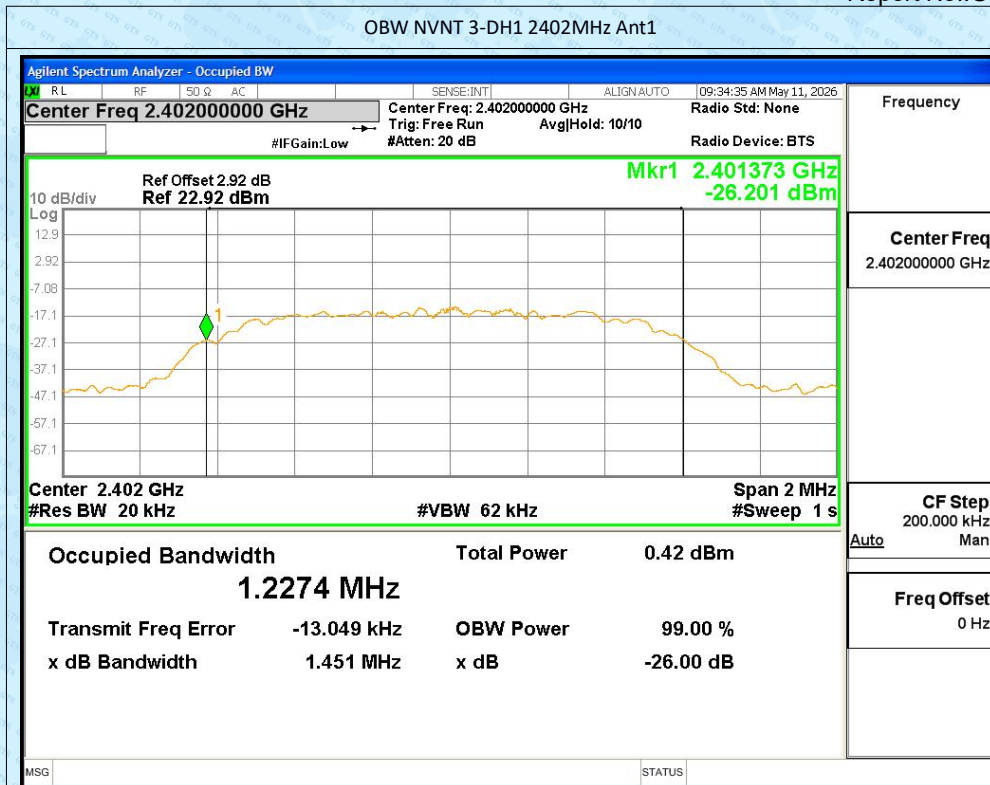


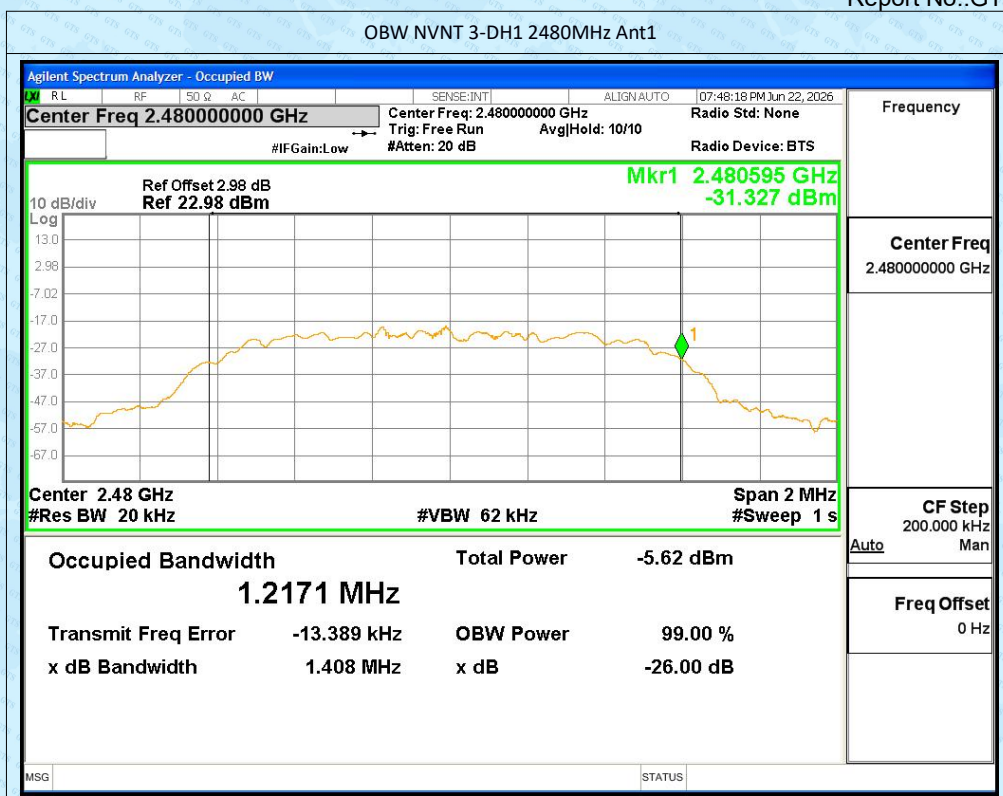
OBW NVNT 1-DH1 2441MHz Ant1











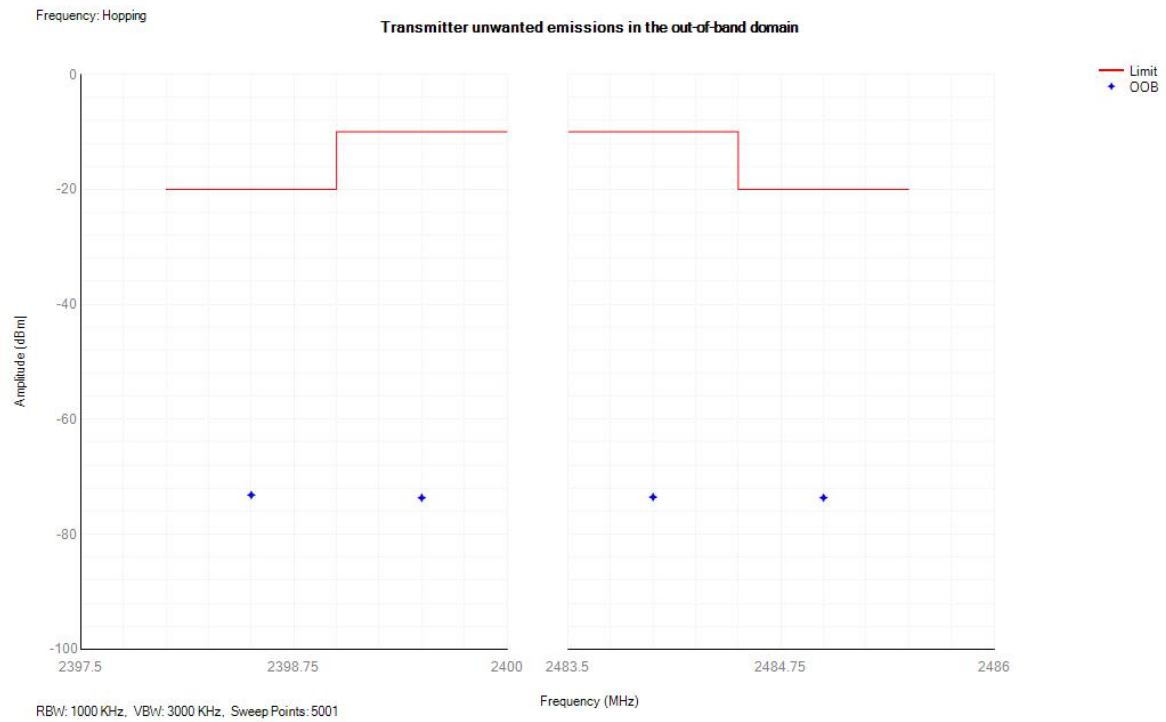
5.4.8 Transmitter unwanted emissions in the out-of-band domain

Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	1-DH1	Hopping	Ant1	2399.5	-73.65	-10	Pass
				2398.5	-73.17	-20	Pass
				2484	-73.53	-10	Pass
				2485	-73.64	-20	Pass
				2399.5	-72.74	-10	Pass
				2398.5	-72.29	-20	Pass
				2484	-73.41	-10	Pass
				2485	-73.54	-20	Pass
				2399.5	-73.62	-10	Pass
				2398.5	-73.71	-20	Pass
				2484	-73.12	-10	Pass
				2485	-73.58	-20	Pass
	2-DH1			2399.5	-73.57	-10	Pass
				2399.279	-73	-10	Pass
				2398.279	-73.54	-20	Pass
				2398.058	-73.41	-20	Pass
				2484	-72.84	-10	Pass
				2484.217	-73.58	-10	Pass
				2485.217	-73.45	-20	Pass
				2485.434	-72.87	-20	Pass
				2399.5	-69.44	-10	Pass
				2399.279	-66.92	-10	Pass
				2398.279	-71.39	-20	Pass
				2398.058	-73.53	-20	Pass
	3-DH1			2484	-73.21	-10	Pass
				2484.217	-73.37	-10	Pass
				2485.217	-73.44	-20	Pass
				2485.434	-73.48	-20	Pass
				2399.5	-73.61	-10	Pass
				2399.279	-73.9	-10	Pass
				2398.279	-73.13	-20	Pass
				2398.058	-73.35	-20	Pass
				2484	-73.16	-10	Pass
				2484.217	-73.41	-10	Pass
				2485.217	-73.58	-20	Pass
				2485.434	-73.21	-20	Pass
				2399.5	-72.85	-10	Pass
				2399.273	-73.7	-10	Pass
				2398.273	-73.9	-20	Pass
				2398.046	-73.71	-20	Pass
				2484	-73.7	-10	Pass
				2485	-73.04	-20	Pass
				2399.5	-73.59	-10	Pass

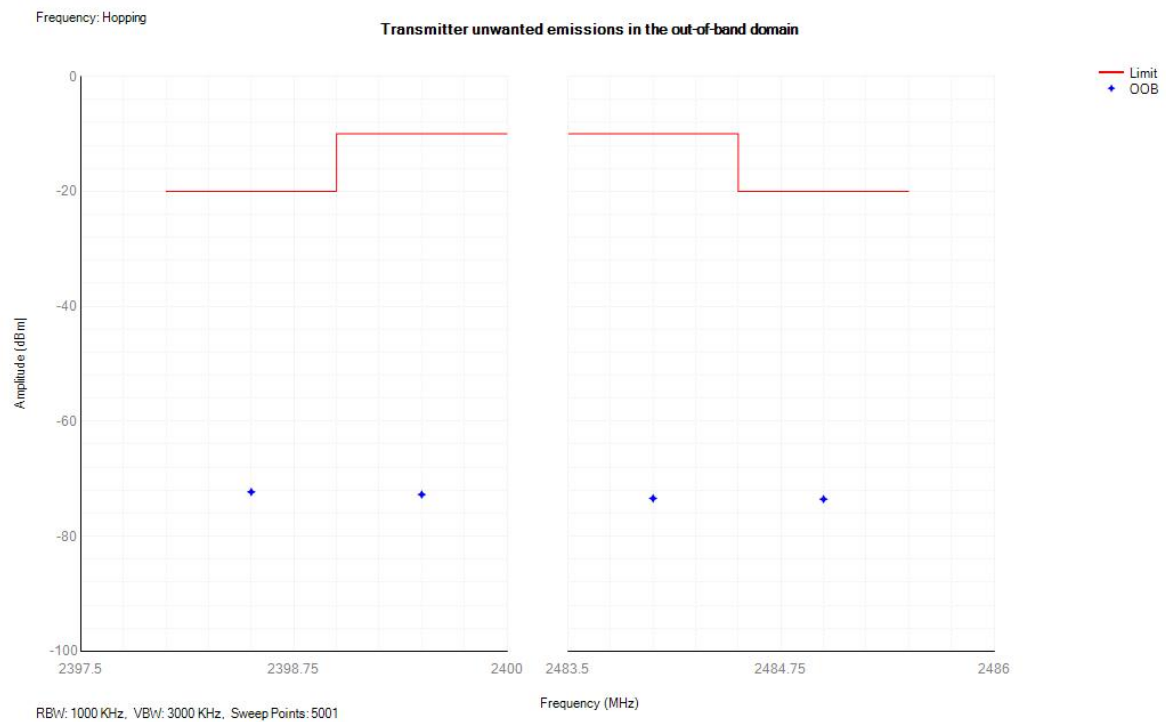
				2398.273	-72.47	-20	Pass
				2398.046	-73.62	-20	Pass
				2484	-73.08	-10	Pass
				2485	-73.62	-20	Pass
				2399.273	-73.82	-10	Pass
				2398.273	-73.77	-20	Pass
				2398.046	-73.72	-20	Pass
				2484	-73.42	-10	Pass
				2485	-73.51	-20	Pass

Test Graphs

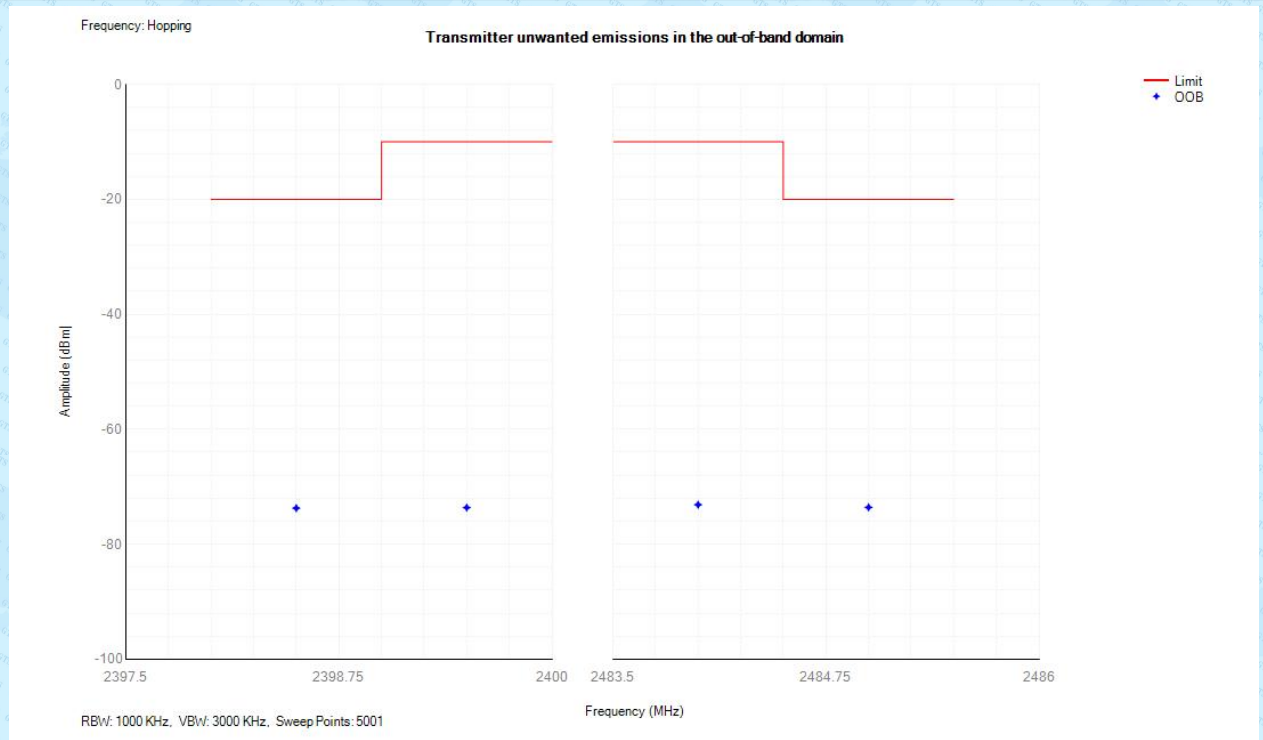
Tx. Emissions OOB NVNT 1-DH1 2402MHz Ant1



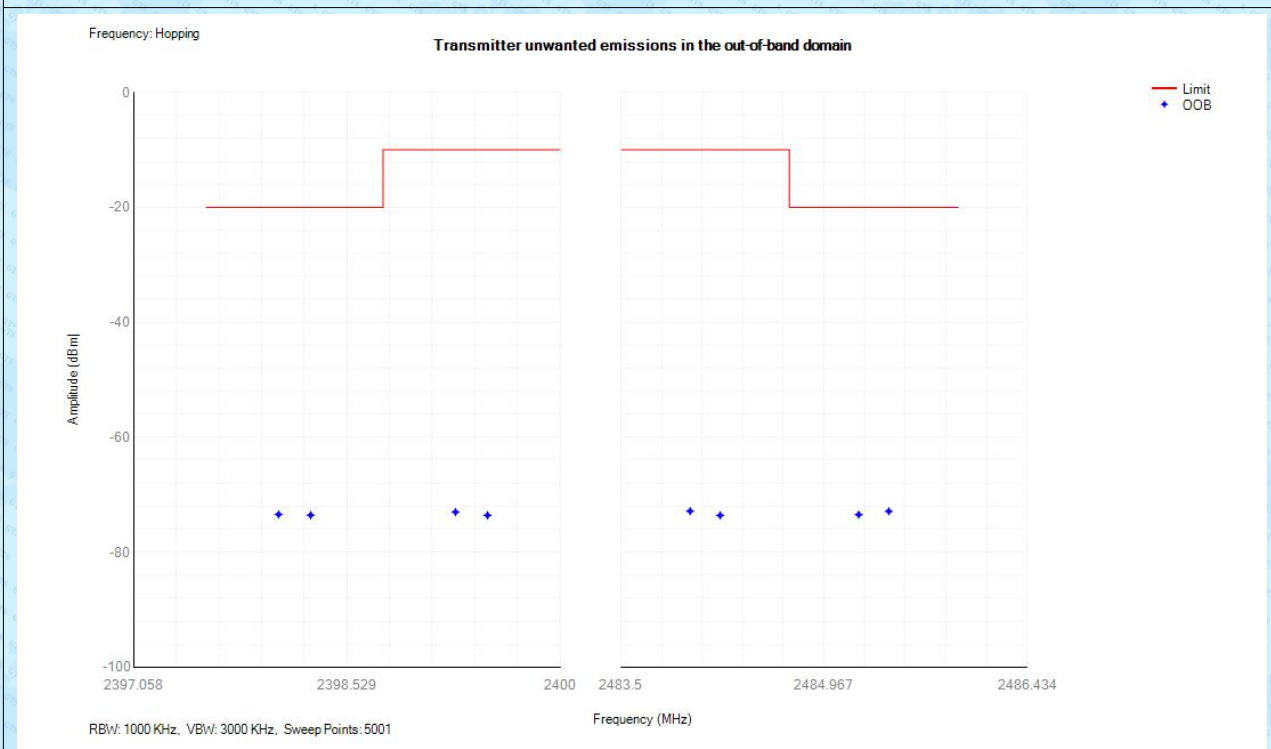
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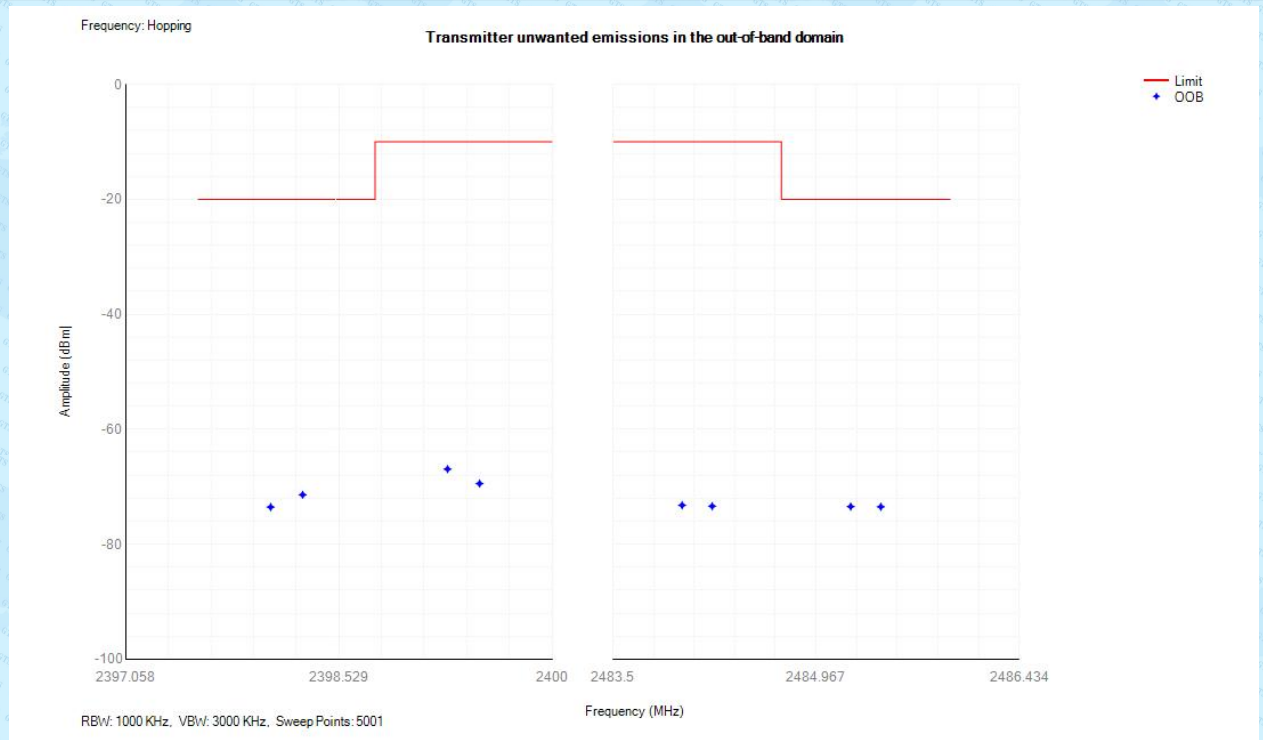
Tx. Emissions OOB NVNT 1-DH1 2480MHz Ant1



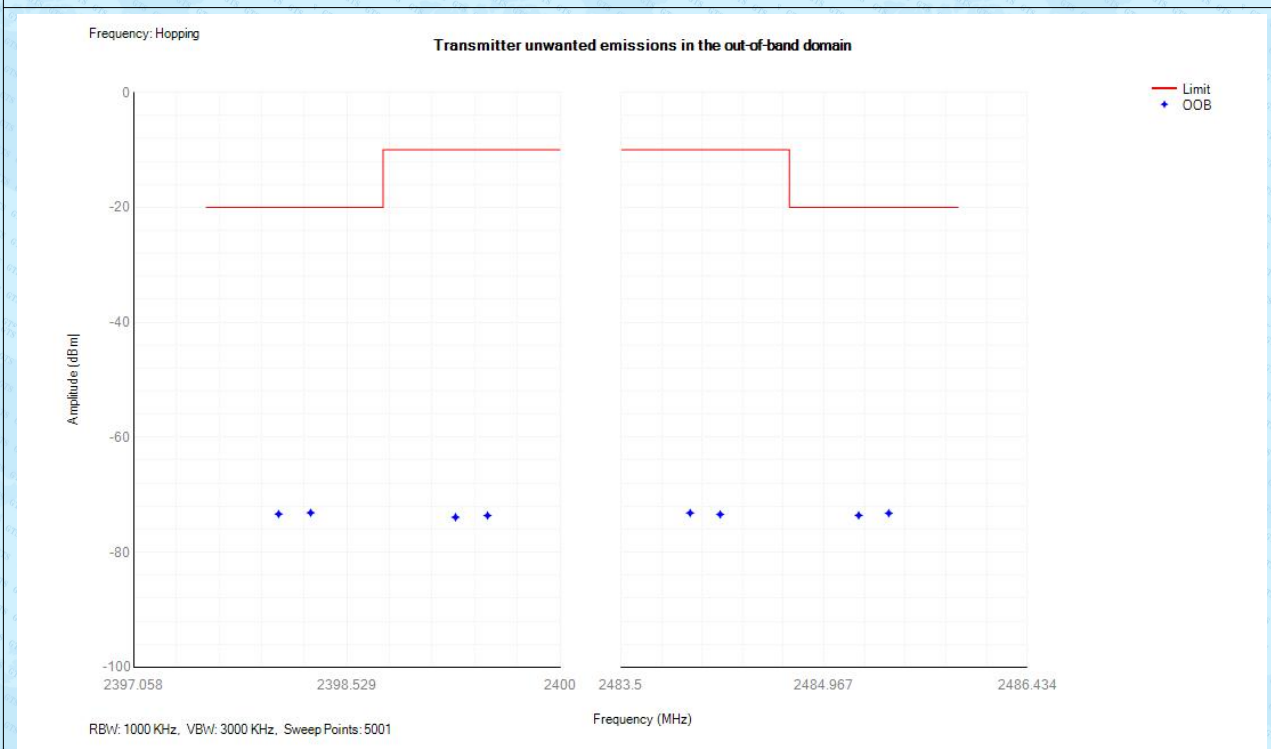
Tx. Emissions OOB NVNT 2-DH1 2402MHz Ant1



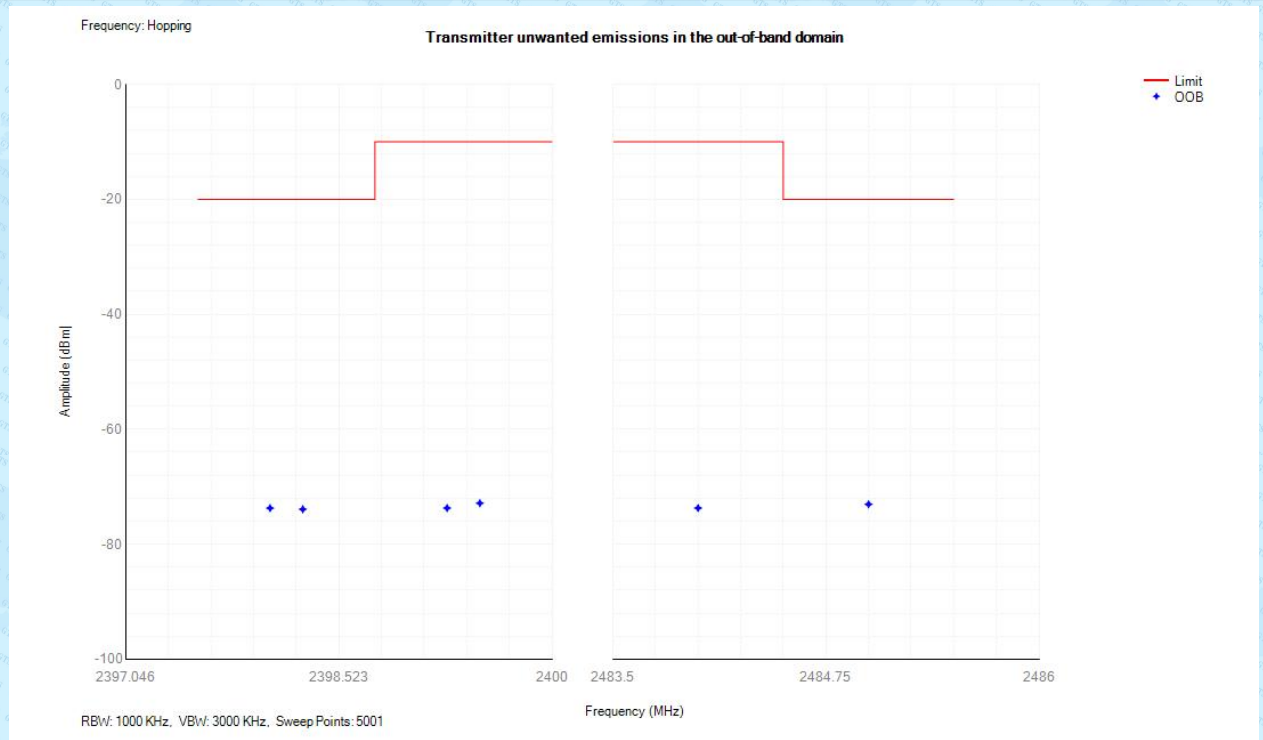
Tx. Emissions OOB NVNT 2-DH1 2441MHz Ant1



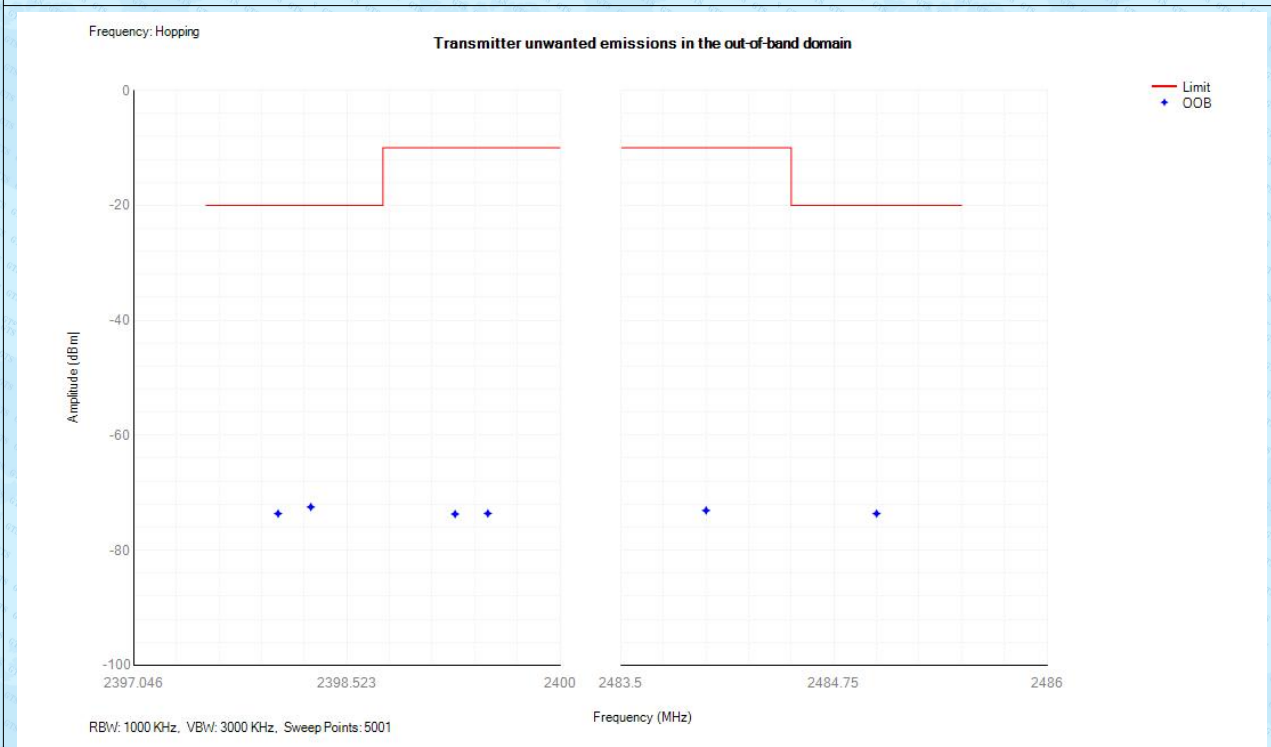
Tx. Emissions OOB NVNT 2-DH1 2480MHz Ant1



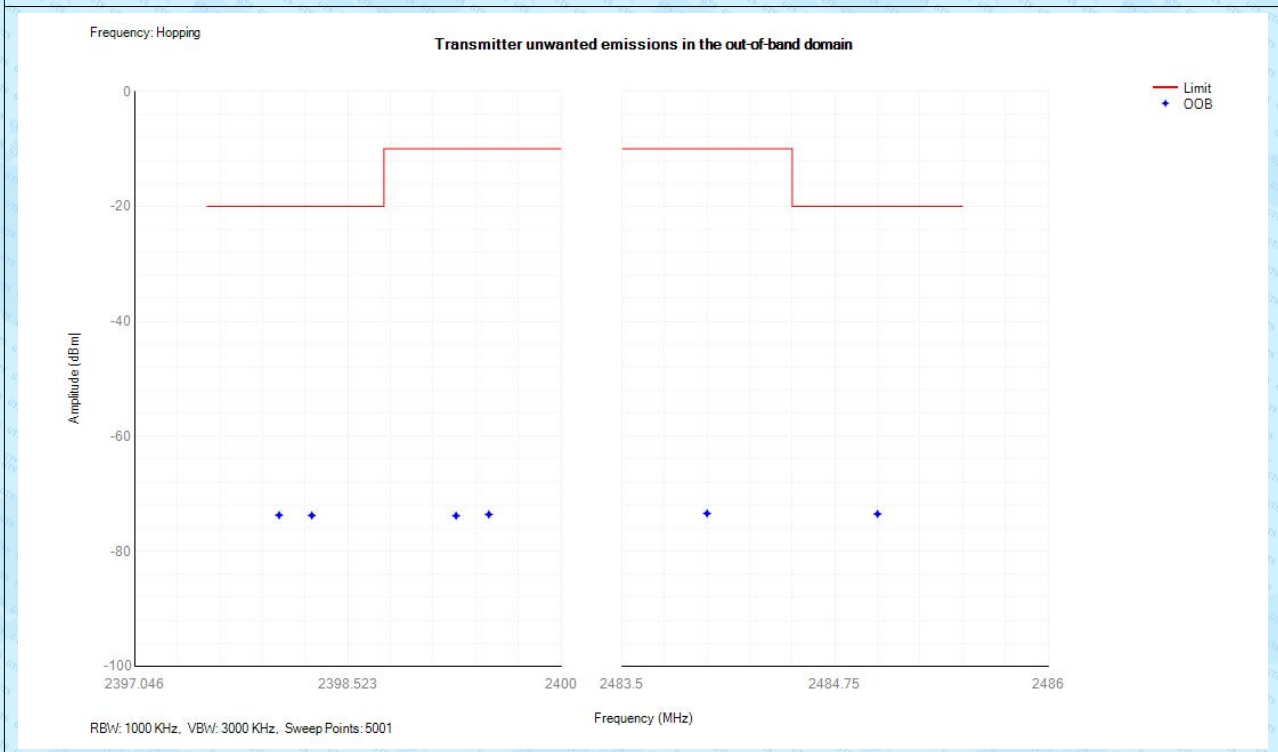
Tx. Emissions OOB NVNT 3-DH1 2402MHz Ant1



Tx. Emissions OOB NVNT 3-DH1 2441MHz Ant1



Tx. Emissions OOB NVNT 3-DH1 2480MHz Ant1



5.4.9 Transmitter unwanted emissions in the spurious domain

GFSK: The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.40	Vertical	-64.95	-54.00	Pass
96.10	V	-63.32		
30.00	V	-59.90	-36.00	
80.93	V	-63.25		
4804.00	V	-47.15	-30.00	
97.46	Horizontal	-65.29	-54.00	
176.89	H	-66.78		
77.87	H	-73.62	-36.00	
397.63	H	-59.92		
4804.00	H	-45.11	-30.00	
GFSK: The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
56.40	Vertical	-63.32	-54.00	Pass
96.10	V	-65.15		
30.00	V	-59.82	-36.00	
80.93	V	-62.45		
4960.00	V	-46.28	-30.00	
97.46	Horizontal	-63.32	-54.00	
176.89	H	-65.41		
77.87	H	-71.47	-36.00	
397.63	H	-59.20		
4960.00	H	-46.61	-30.00	

Note: All of the EUT Configure mode were tested and found GFSK is the worst mode, the worst case is recorded in this report.

5.4.10 Receiver spurious emissions

GFSK: The lowest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
30.21	Vertical	-61.33	-57.00	Pass
96.10	V	-60.45		
4804.00	V	-59.93	-47.00	
378.58	Horizontal	-65.52	-57.00	
392.10	H	-64.98		
4804.00	H	-61.74	-47.00	
GFSK: The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
30.21	Vertical	-62.39	-57.00	Pass
96.10	V	-59.62		
4960.00	V	-60.41	-47.00	
378.58	Horizontal	-64.15	-57.00	
392.10	H	-64.36		
4960.00	H	-62.78	-47.00	

Note: All of the EUT Configure mode were tested and found GFSK is the worst mode, the worst case is recorded in this report.

5.4.11 Receiver Blocking

Condition	Mode	Frequency (MHz)	Antenna	Wanted Power (dBm)	Blocking Frequency (MHz)	Blocking Power (dBm)	PER (%)	Limit (%)	Verdict
NVNT	1-DH1	Hop	Ant1	-68.95	2380	-33.21	0.20	10	Pass
				-68.95	2300	-33.21	0.50	10	Pass
				-68.95	2504	-33.21	1.10	10	Pass
				-68.95	2584	-33.21	0.70	10	Pass
				-68.95	2584	-33.21	0.10	10	Pass

-----End-----