

Table of contents

5.4.2 RF Output Power	2
5.4.4 Accumulated Transmit Time	3
5.4.4 Frequency Occupation	9
5.4.4 Hopping Sequence	15
5.4.4 Dwell Time One Burst	18
5.4.5 Hopping Frequency Separation	22
5.4.7 Occupied Channel Bandwidth	25
5.4.8 Transmitter unwanted emissions in the out-of-band domain	29
5.4.9 Transmitter unwanted emissions in the spurious domain	33
5.4.10 Receiver spurious emissions	34
5.4.11 Receiver Blocking	35

5.4.2 RF Output Power

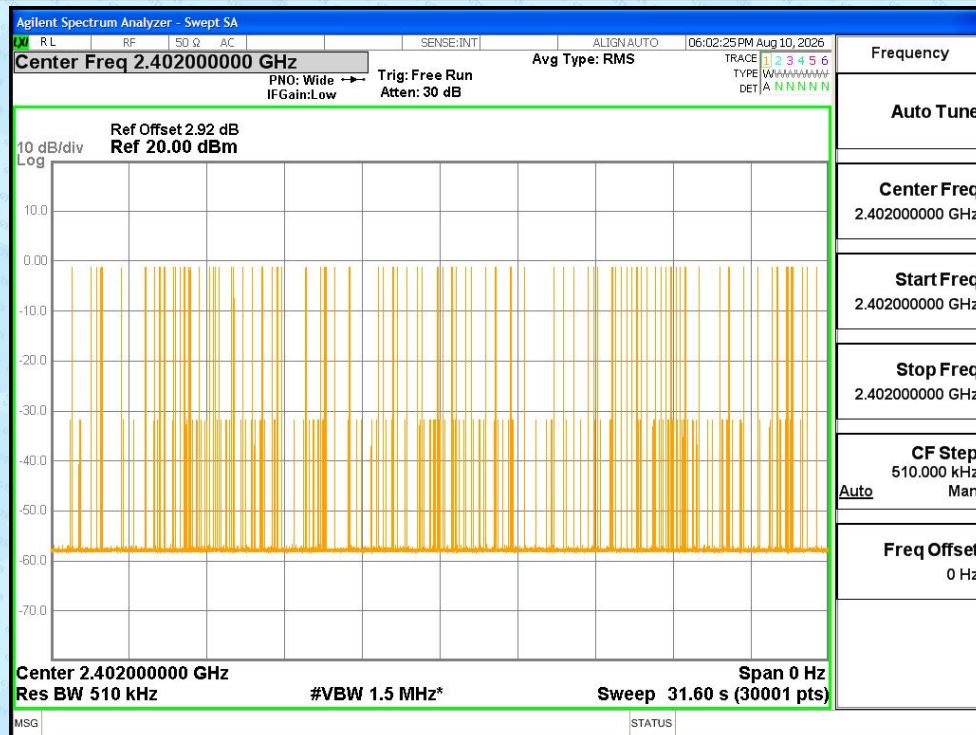
Condition	Mode	Frequency (MHz)	Antenna	Max Burst RMS Power (dBm)	Burst Number	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	1-DH1	hopping	Ant1	5.62	27	7.42	20	Pass
NVLT				5.43	28	7.23	20	Pass
NVHT				5.59	27	7.39	20	Pass
NVNT	2-DH1	hopping	Ant1	3.89	28	5.69	20	Pass
NVLT				3.99	27	5.79	20	Pass
NVHT				4.01	28	5.81	20	Pass
NVNT	3-DH1	hopping	Ant1	3.84	28	5.64	20	Pass
NVLT				3.94	27	5.74	20	Pass
NVHT				3.87	27	5.67	20	Pass

5.4.4 Accumulated Transmit Time

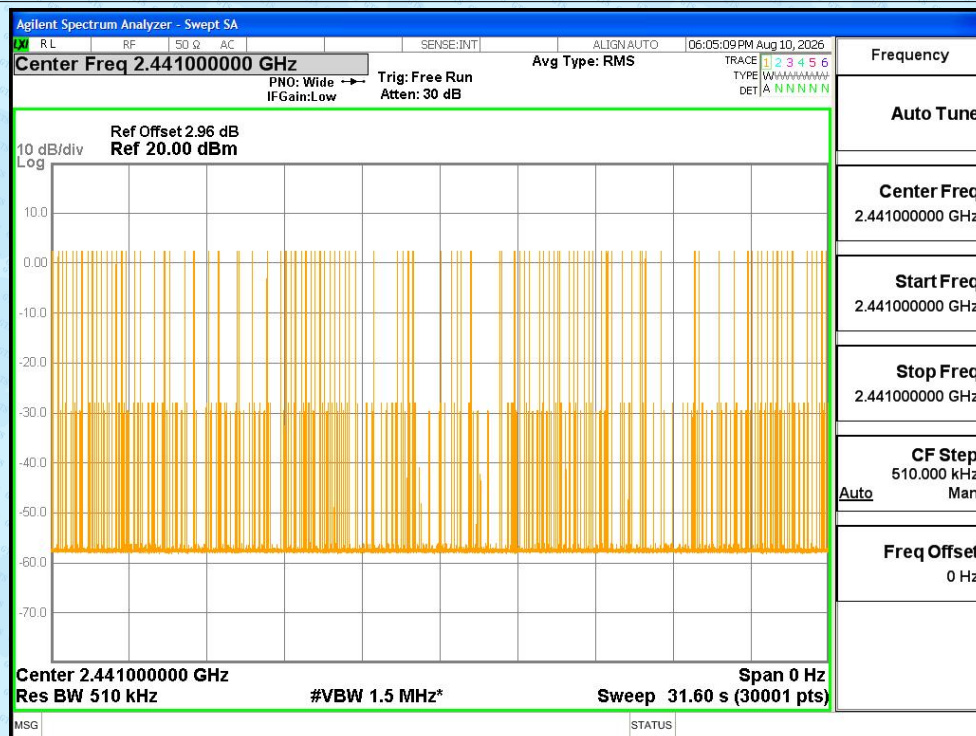
Condition	Mode	Frequency (MHz)	Antenna	Accumulated Transmit Time (ms)	Limit (ms)	Sweep Time (ms)	Burst Number	Verdict
NVNT	1-DH1	2402	Ant1	282.828	400	31600	98	Pass
		2441		340.548	400	31600	118	Pass
		2480		291.486	400	31600	101	Pass
	2-DH1	2402		271.378	400	31600	94	Pass
		2441		317.57	400	31600	110	Pass
		2480		303.135	400	31600	105	Pass
	3-DH1	2402		332.235	400	31600	115	Pass
		2441		297.567	400	31600	103	Pass
		2480		297.567	400	31600	103	Pass

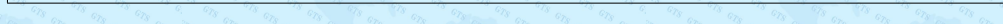
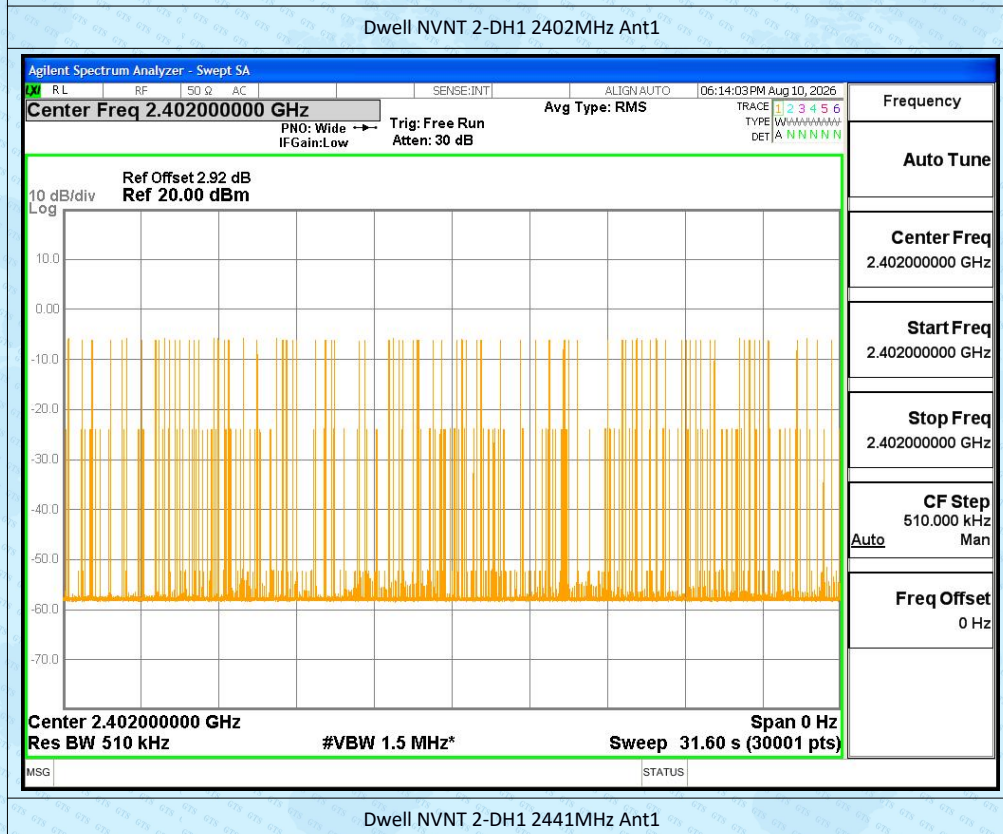
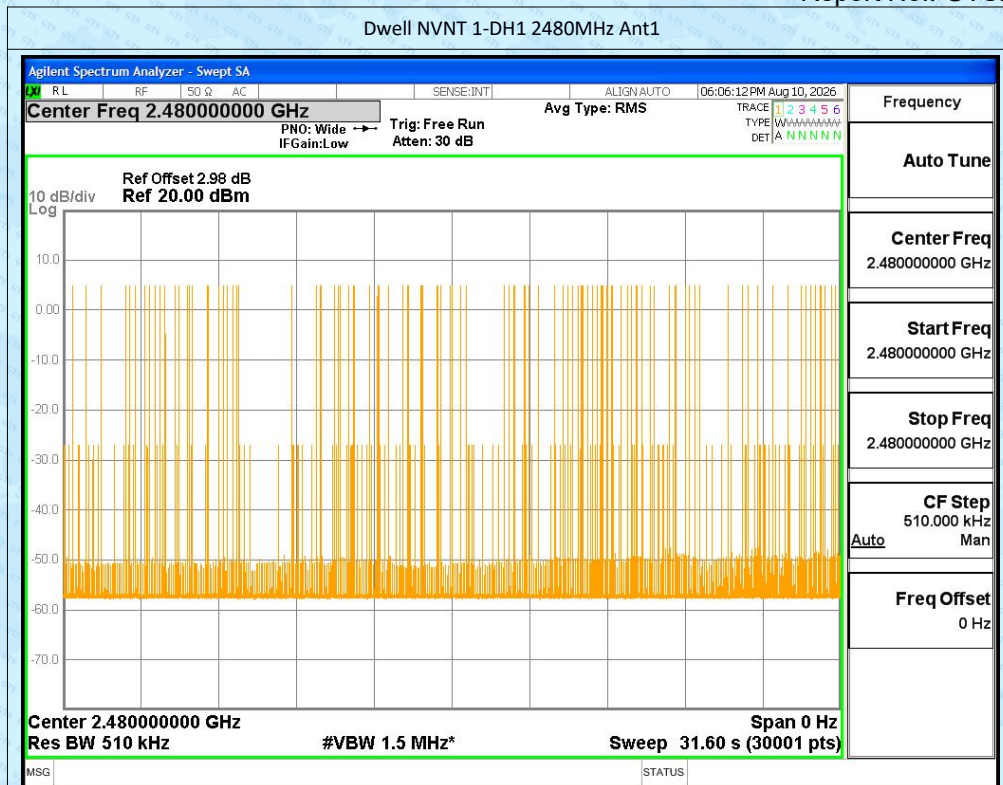
Test Graphs

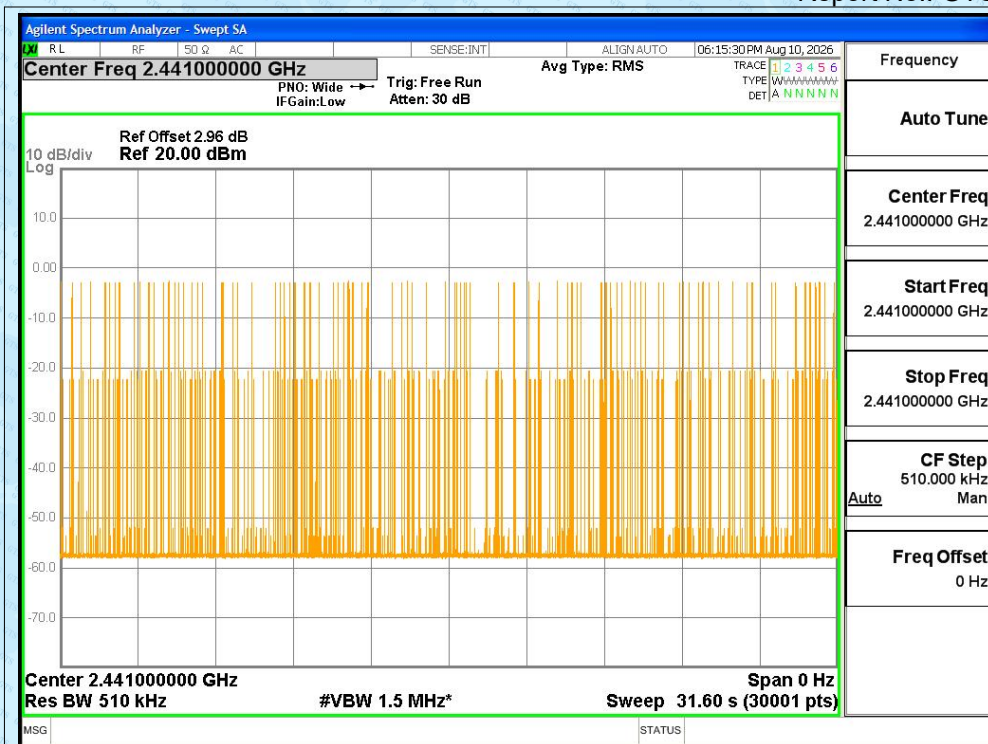
Dwell NVNT 1-DH1 2402MHz Ant1



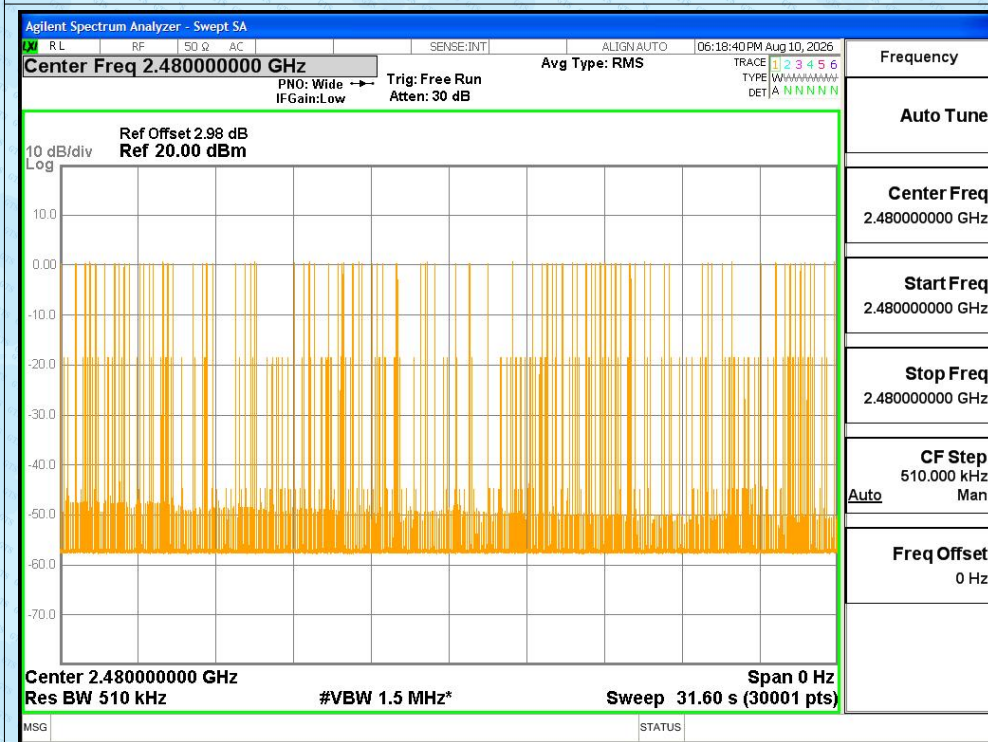
Dwell NVNT 1-DH1 2441MHz Ant1



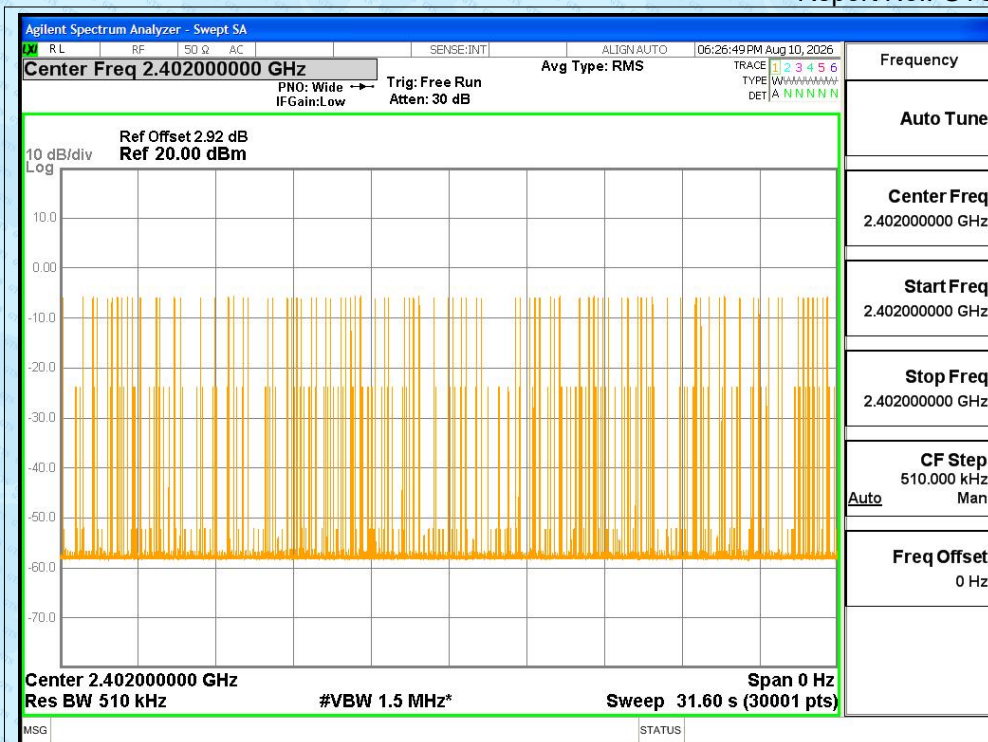




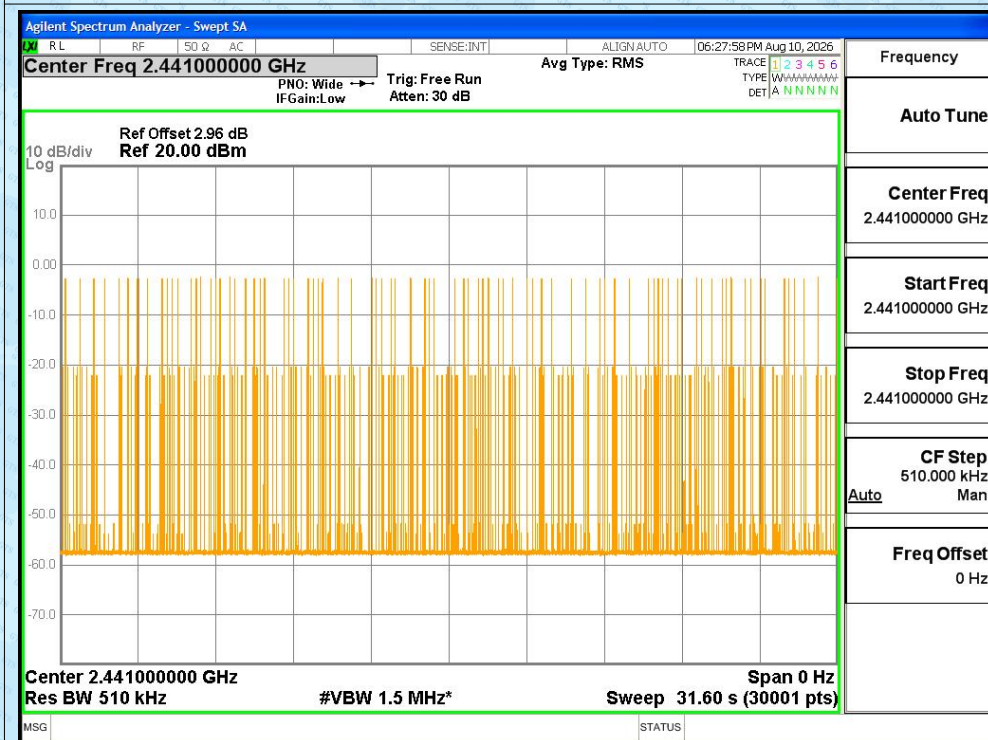
Dwell NVNT 2-DH1 2480MHz Ant1



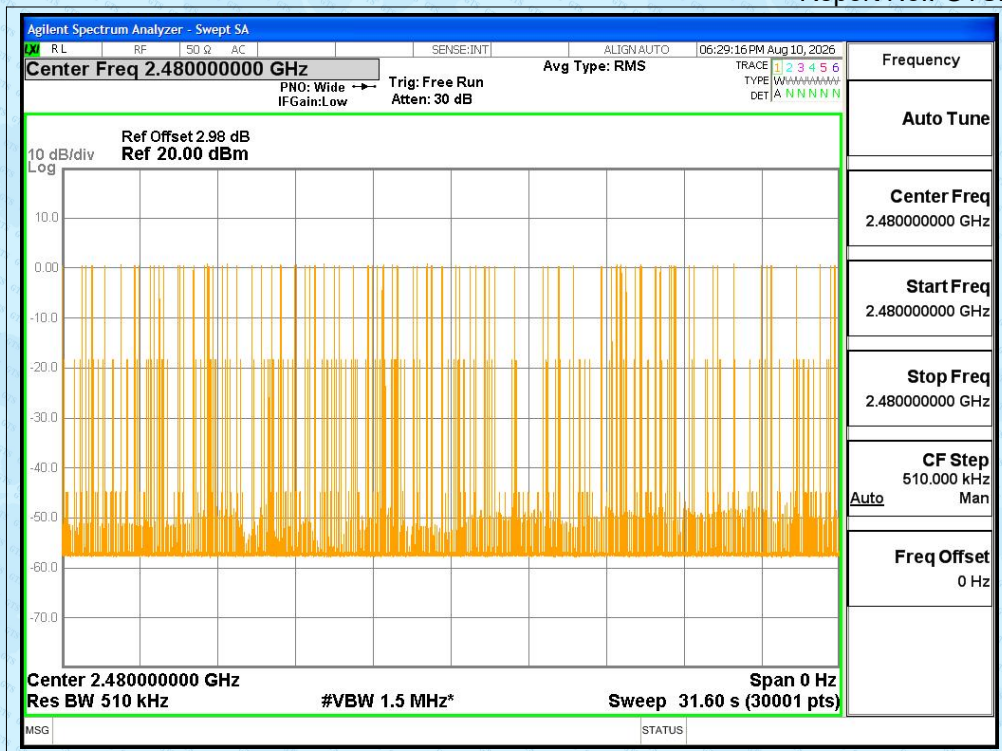
Dwell NVNT 3-DH1 2402MHz Ant1



Dwell NVNT 3-DH1 2441MHz Ant1



Dwell NVNT 3-DH1 2480MHz Ant1

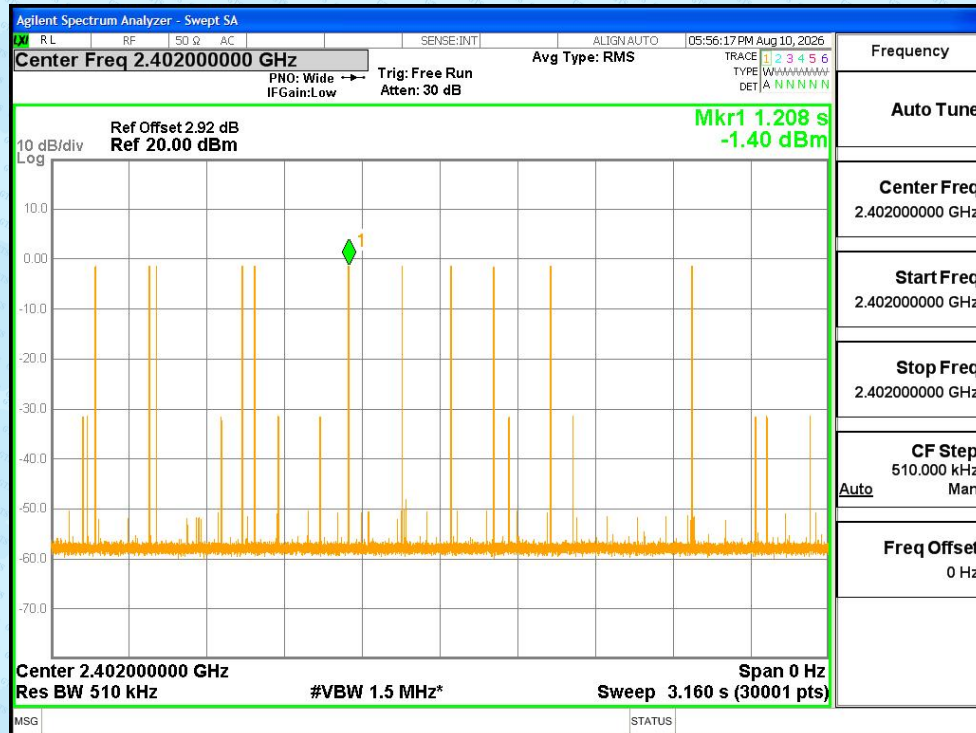


5.4.4 Frequency Occupation

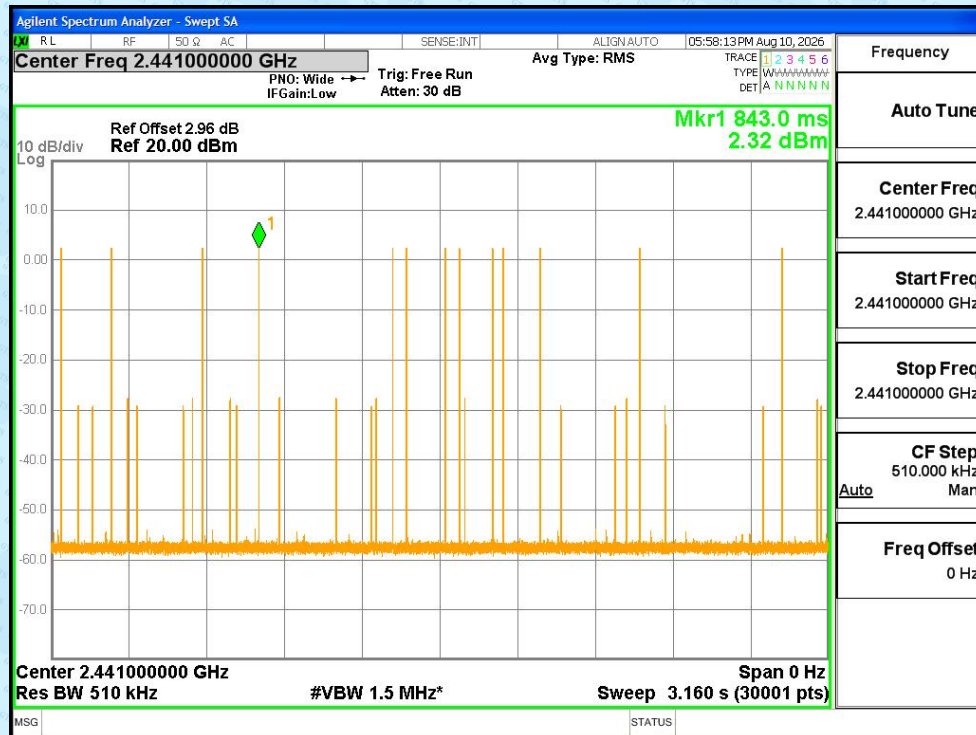
Condition	Mode	Frequency (MHz)	Antenna	Burst Number	Limit	Sweep Time (ms)	Verdict
NVNT	1-DH1	2402	Ant1	11	1	3160	Pass
		2441		13	1	3160	Pass
		2480		9	1	3160	Pass
	2-DH1	2402		2	1	913.24	Pass
		2441		12	1	3159.684	Pass
		2480		7	1	3160	Pass
	3-DH1	2402		8	1	3160	Pass
		2441		2	1	913.24	Pass
		2480		10	1	3159.368	Pass

Test Graphs

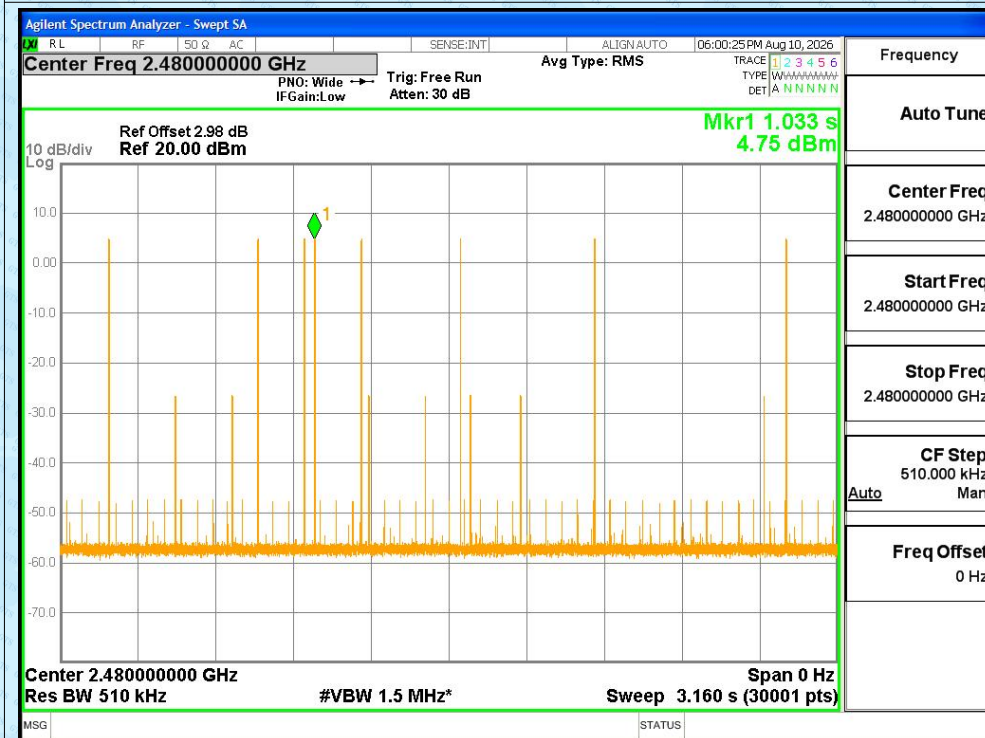
Freq. Occup. NVNT 1-DH1 2402MHz Ant1



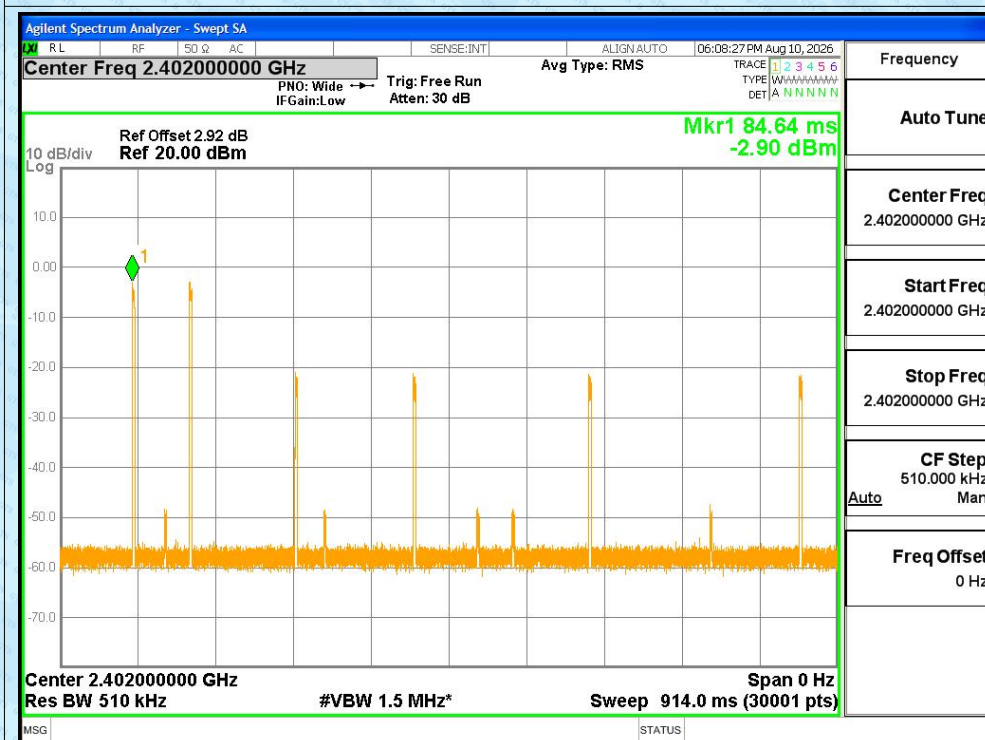
Freq. Occup. NVNT 1-DH1 2441MHz Ant1



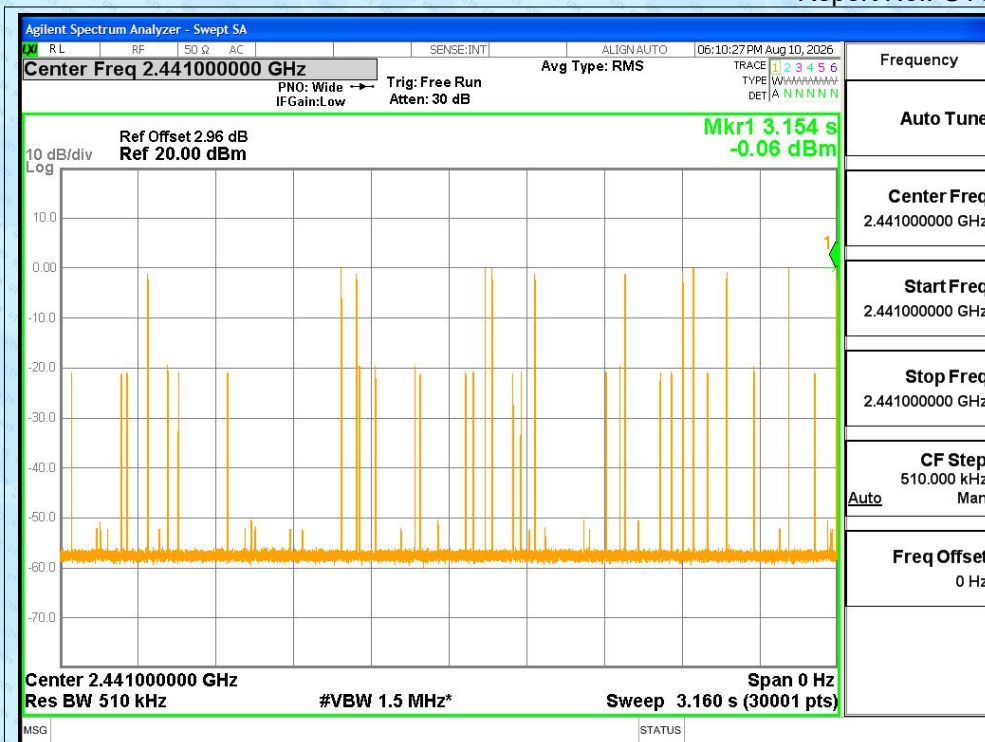
Freq. Occup. NVNT 1-DH1 2480MHz Ant1



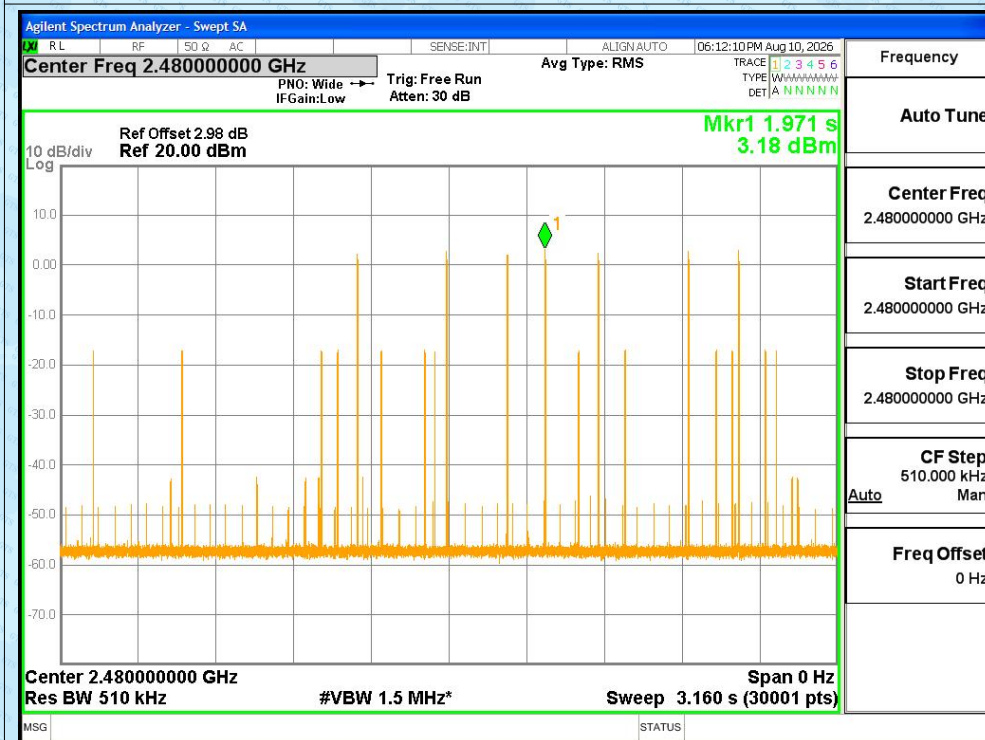
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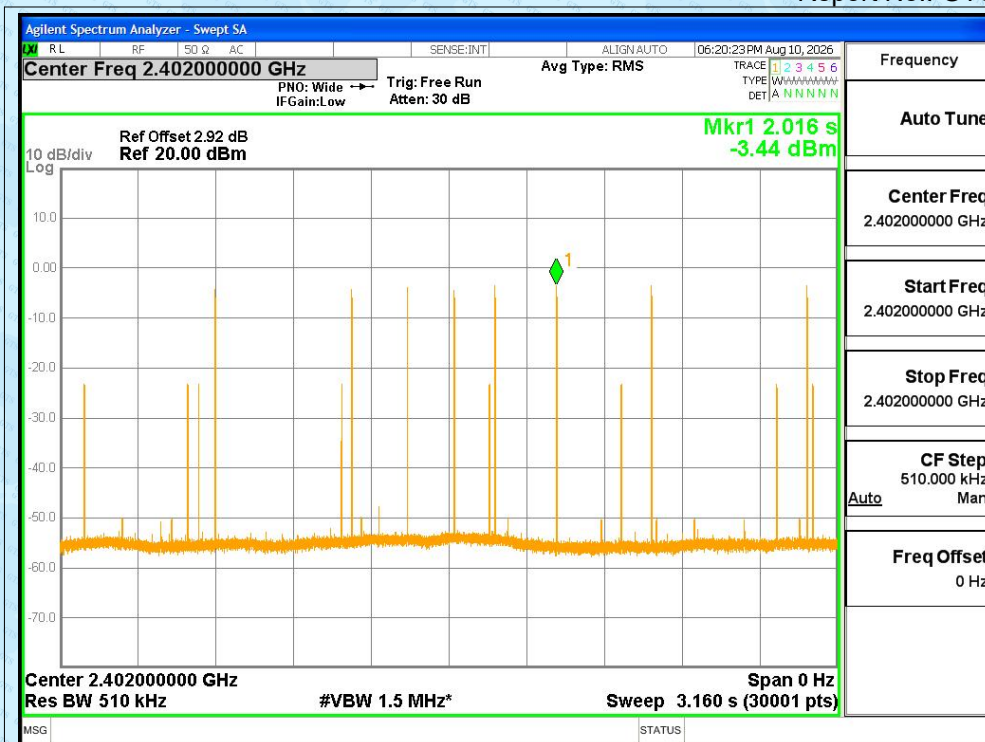
Freq. Occup. NVNT 2-DH1 2441MHz Ant1



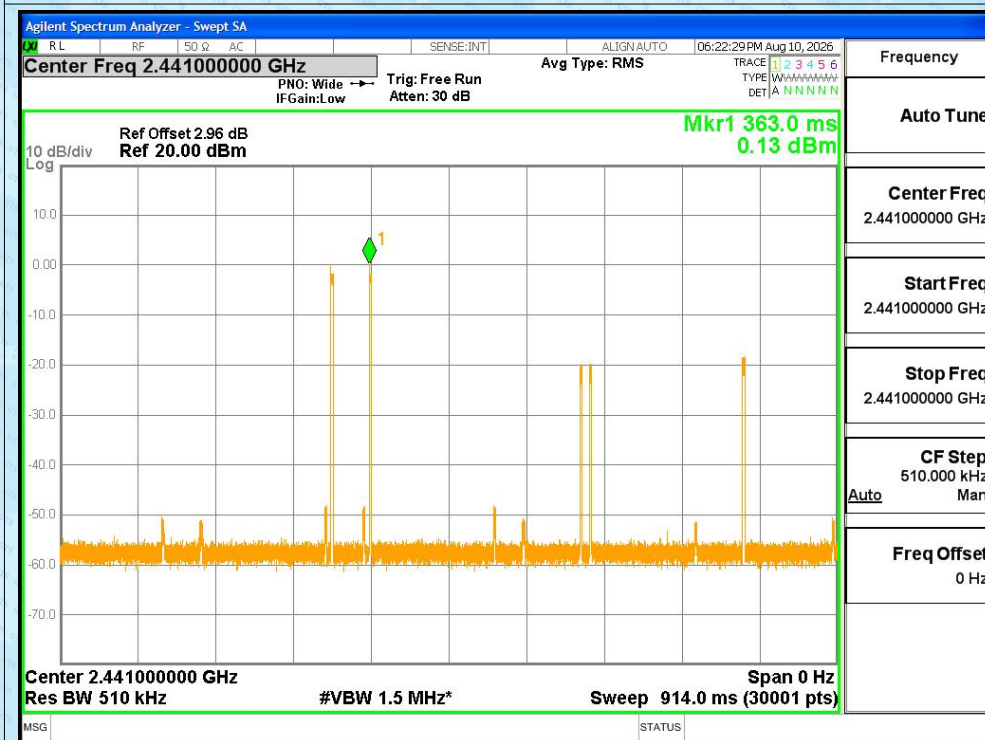
Freq. Occup. NVNT 2-DH1 2480MHz Ant1



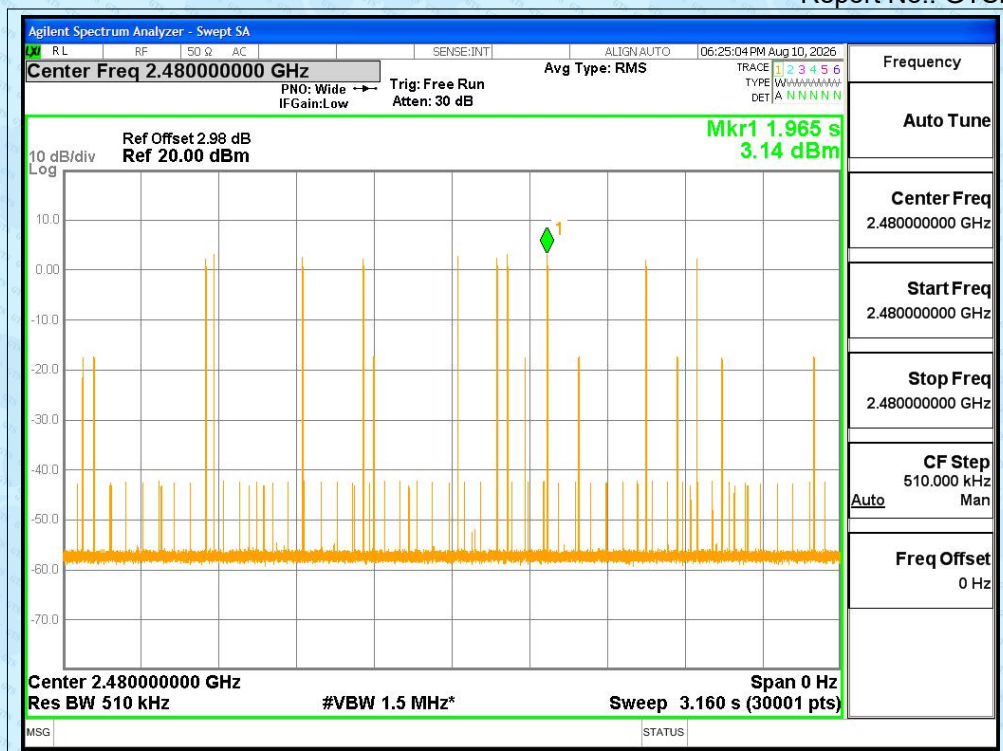
Freq. Occup. NVNT 3-DH1 2402MHz Ant1



Freq. Occup. NVNT 3-DH1 2441MHz Ant1



Freq. Occup. NVNT 3-DH1 2480MHz Ant1

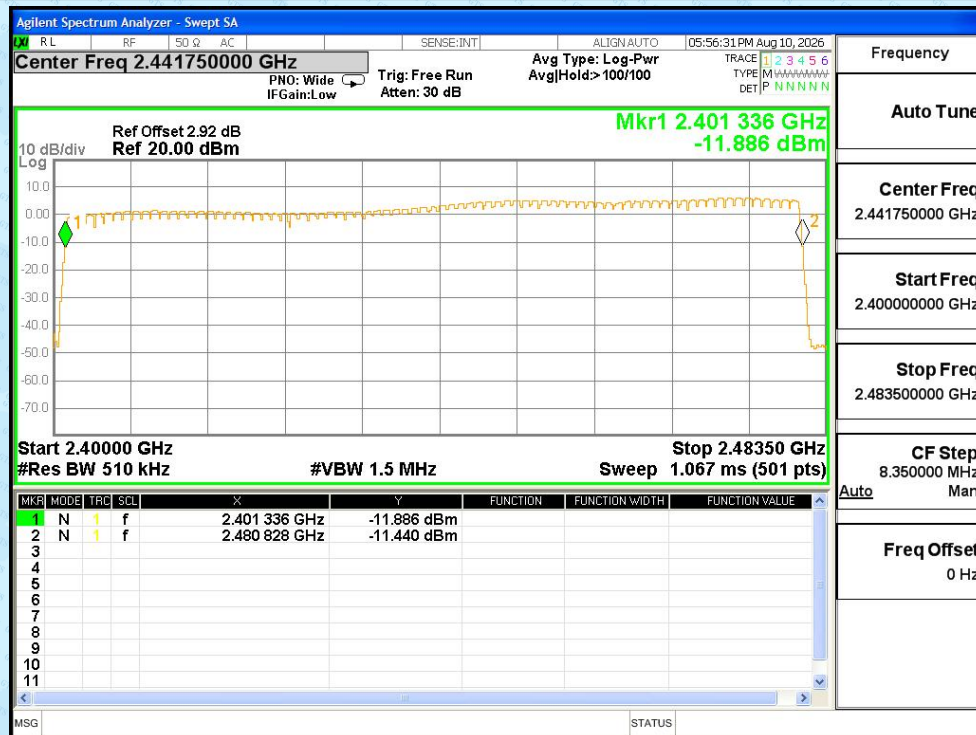


5.4.4 Hopping Sequence

Condition	Mode	Antenna	Hopping Number	Limit	Band Allocation (%)	Limit Band Allocation (%)	Verdict
NVNT	1-DH1	Ant1	79	15	95.2	70	Pass
	2-DH1			15	95.6	70	Pass
	3-DH1			15	95.6	70	Pass

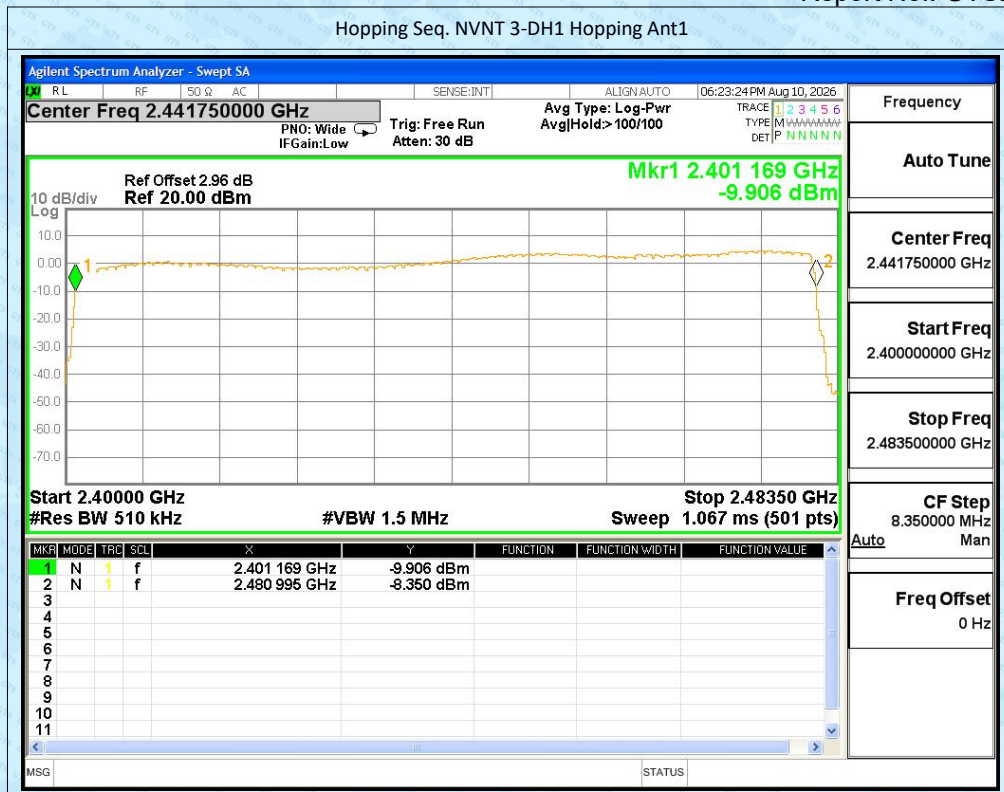
Test Graphs

Hopping Seq. NVNT 1-DH1 Hopping Ant1



Hopping Seq. NVNT 2-DH1 Hopping Ant1



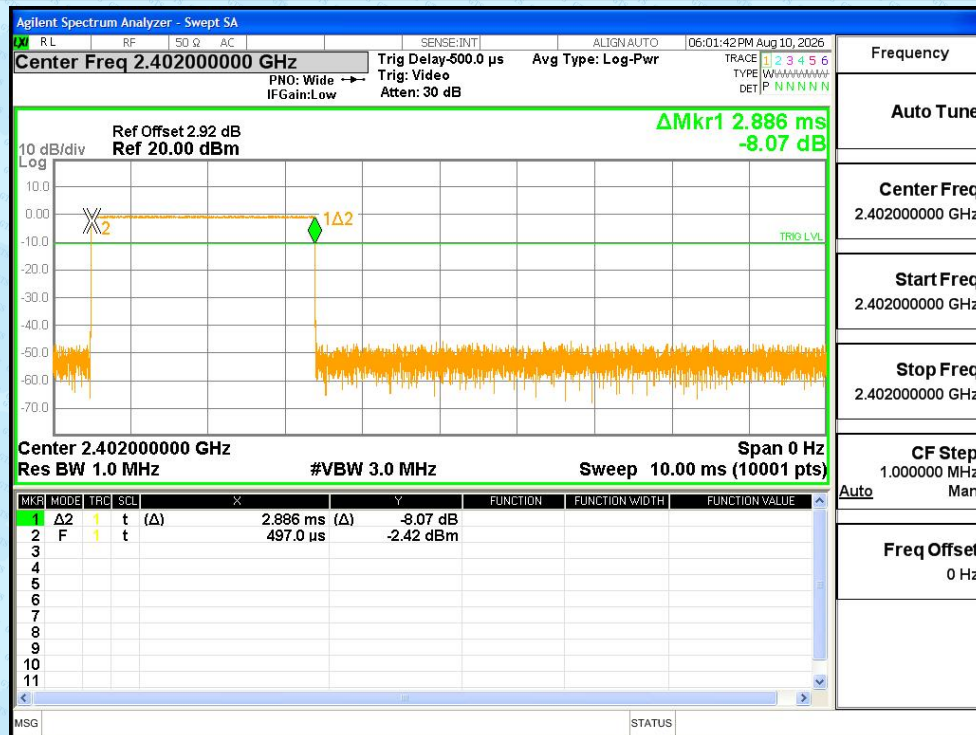


5.4.4 Dwell Time One Burst

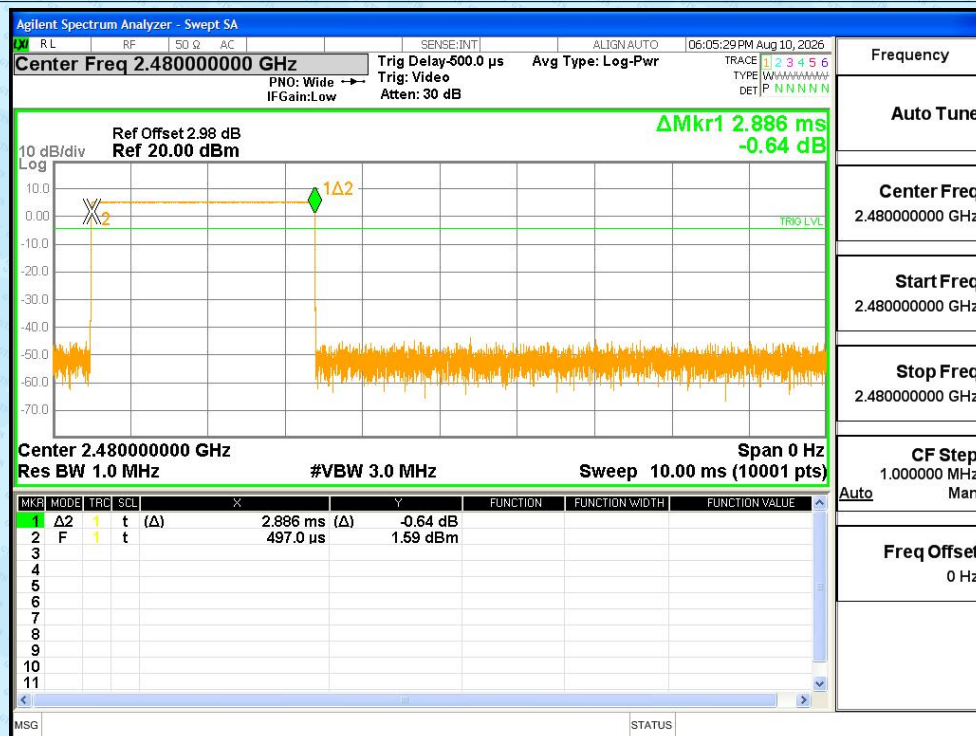
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)
NVNT	1-DH1	2402	Ant1	2.886
		2480		2.886
NVNT	2-DH1	2402	Ant1	2.887
		2480		2.887
NVNT	3-DH1	2402	Ant1	2.889
		2480		2.889

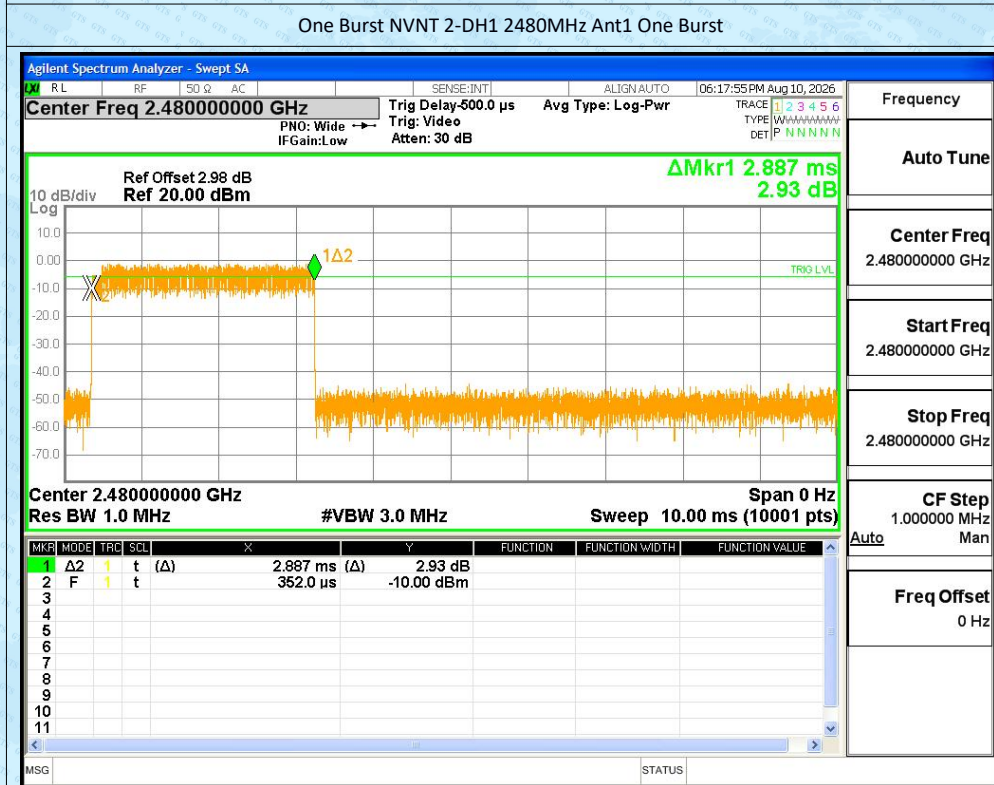
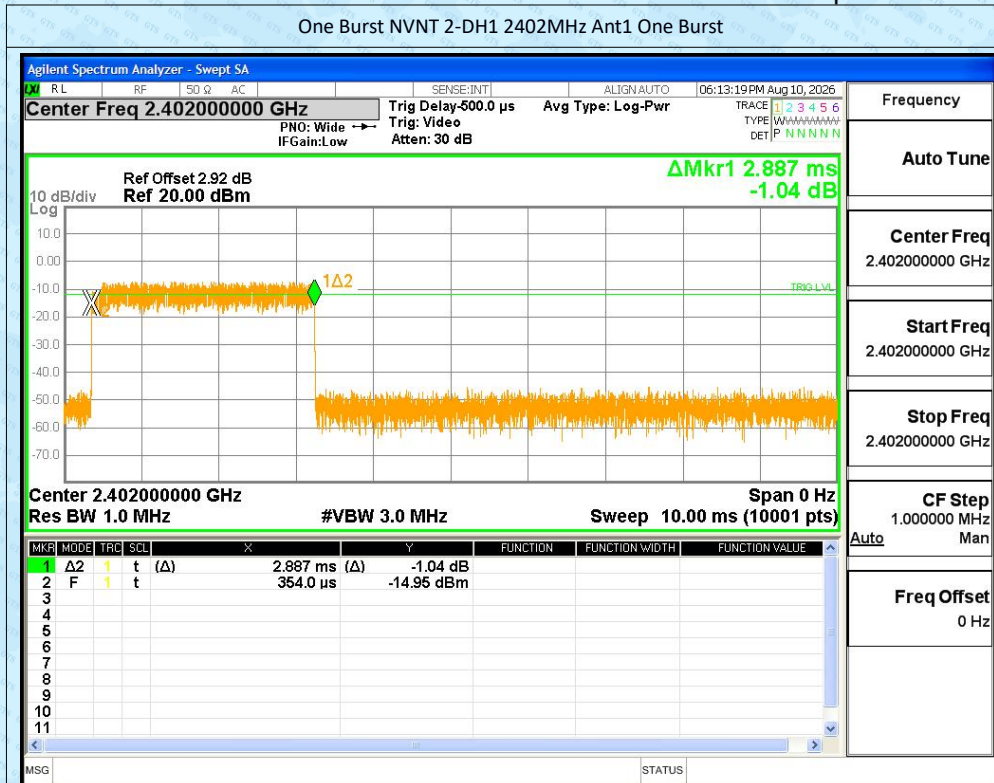
Test Graphs

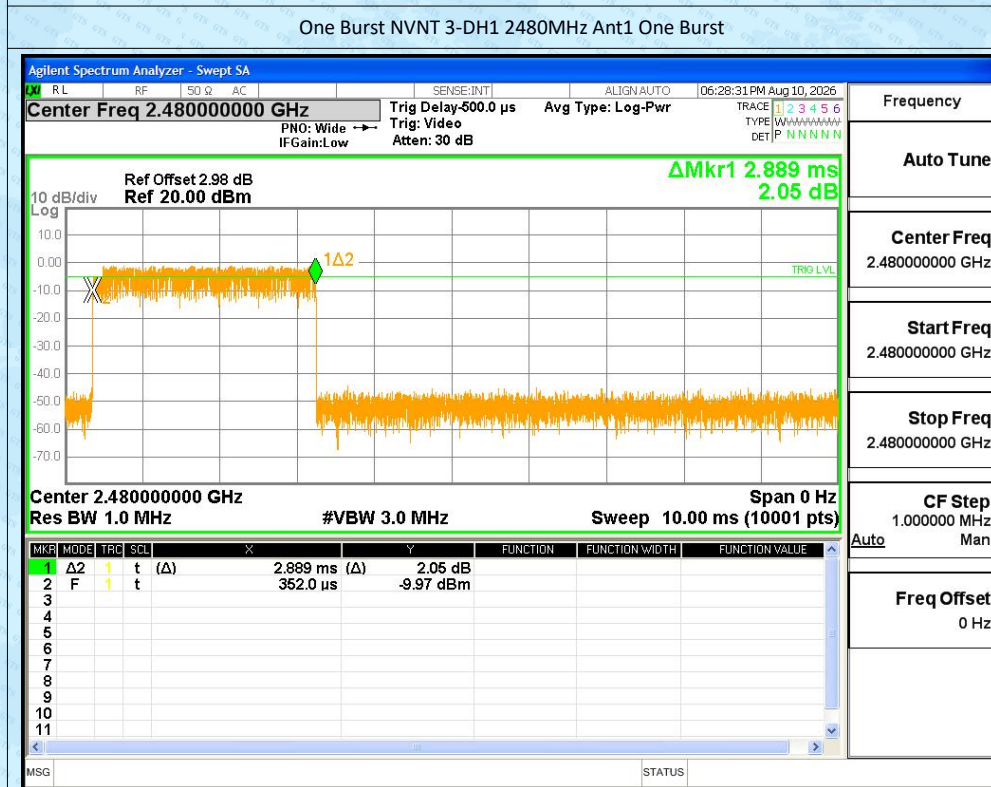
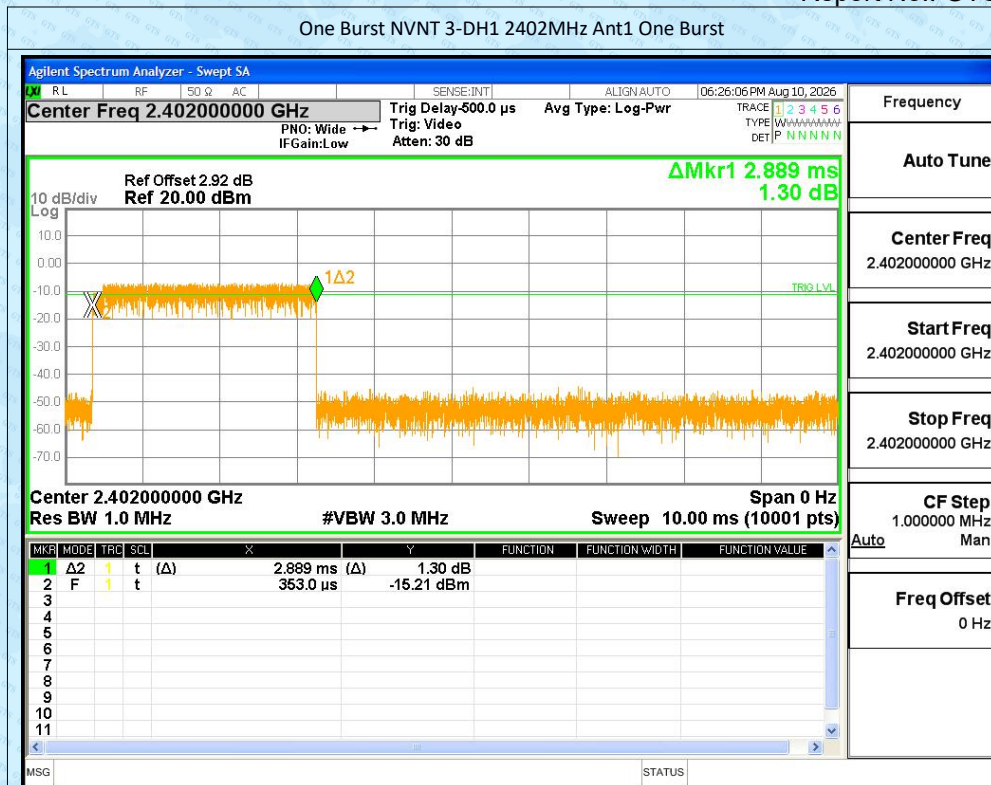
One Burst NVNT 1-DH1 2402MHz Ant1 One Burst



One Burst NVNT 1-DH1 2480MHz Ant1 One Burst





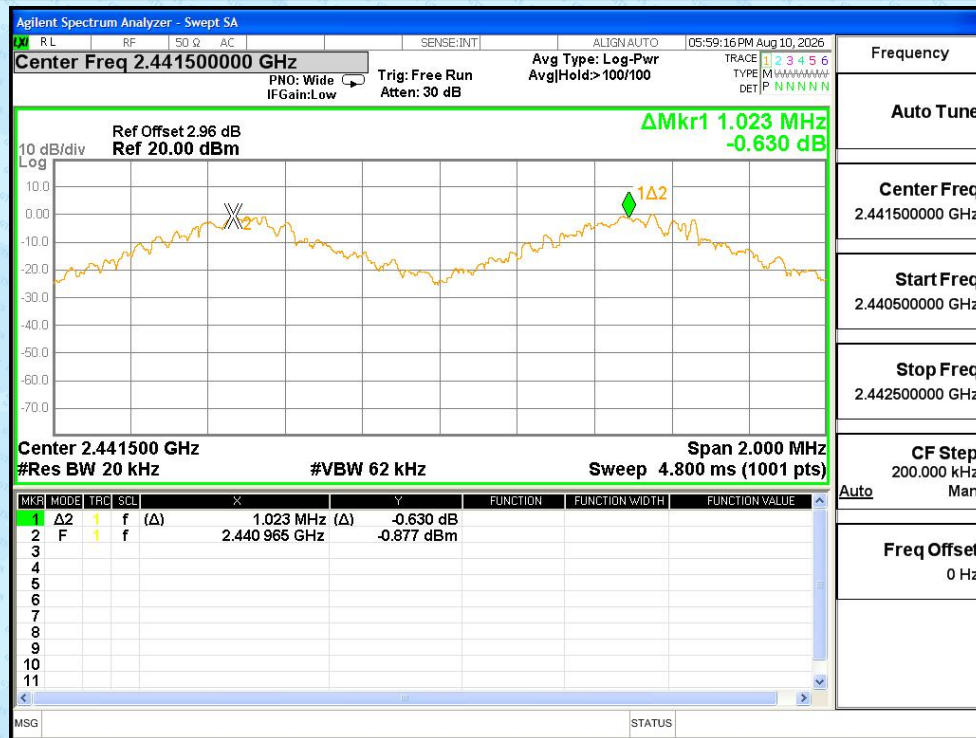


5.4.5 Hopping Frequency Separation

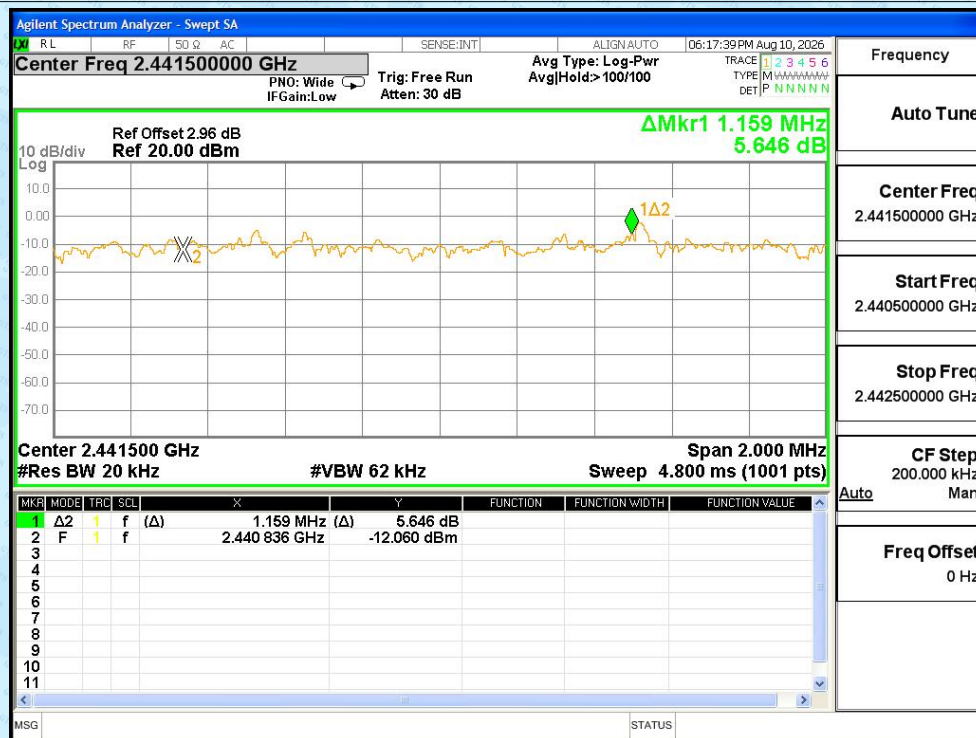
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH1	Ant1	2440.965	2441.988	1.023	0.1	Pass
NVNT	2-DH1	Ant1	2440.836	2441.995	1.159	0.1	Pass
NVNT	3-DH1	Ant1	2441.13	2442.126	0.996	0.1	Pass

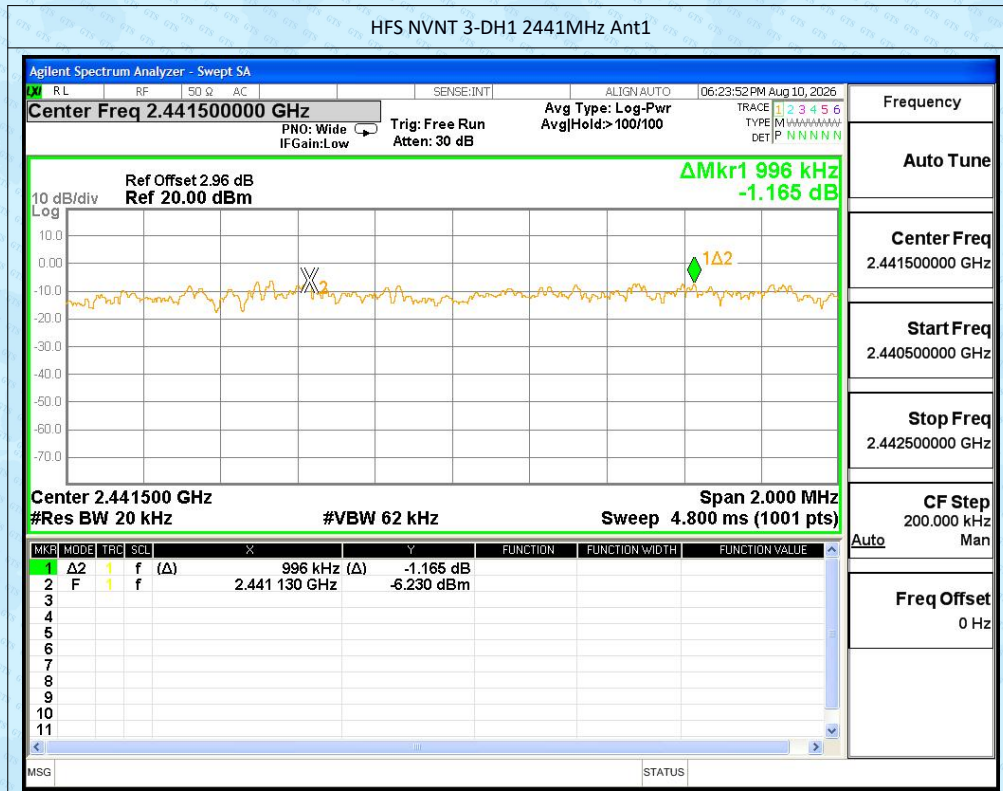
Test Graphs

HFS NVNT 1-DH1 2441MHz Ant1



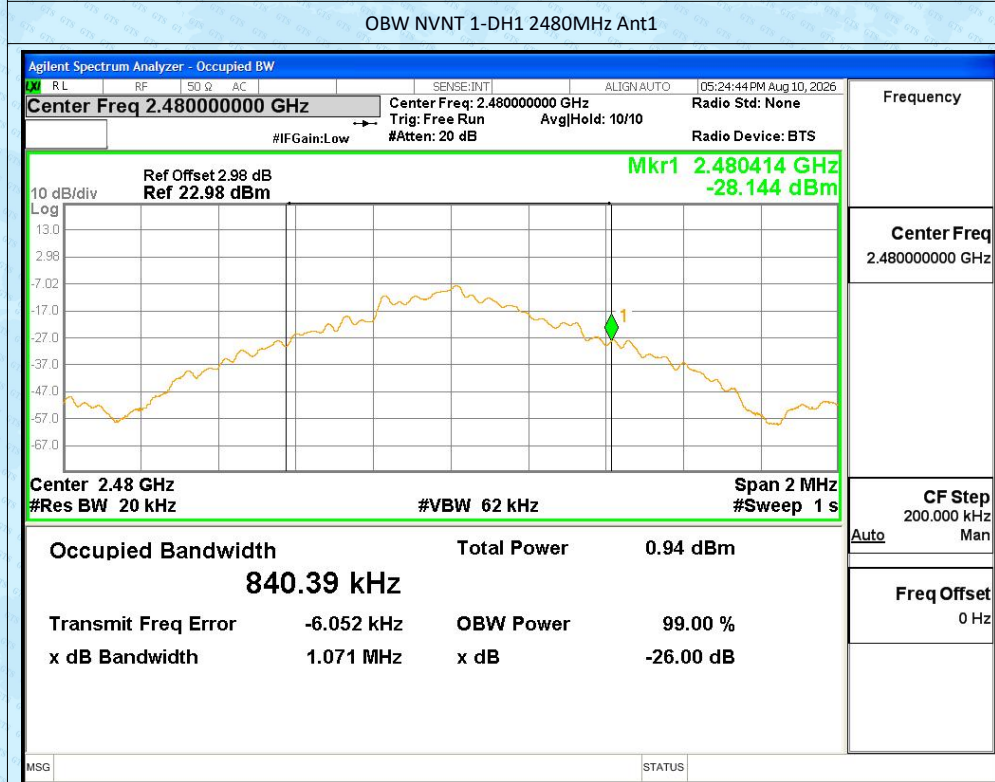
HFS NVNT 2-DH1 2441MHz Ant1

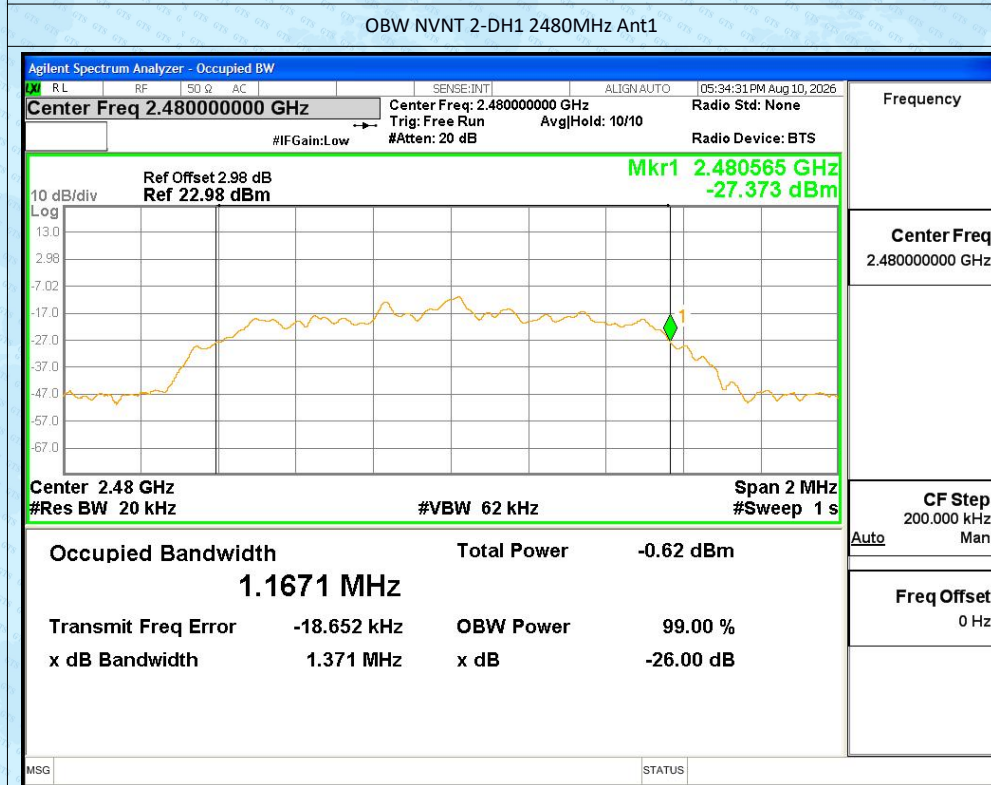
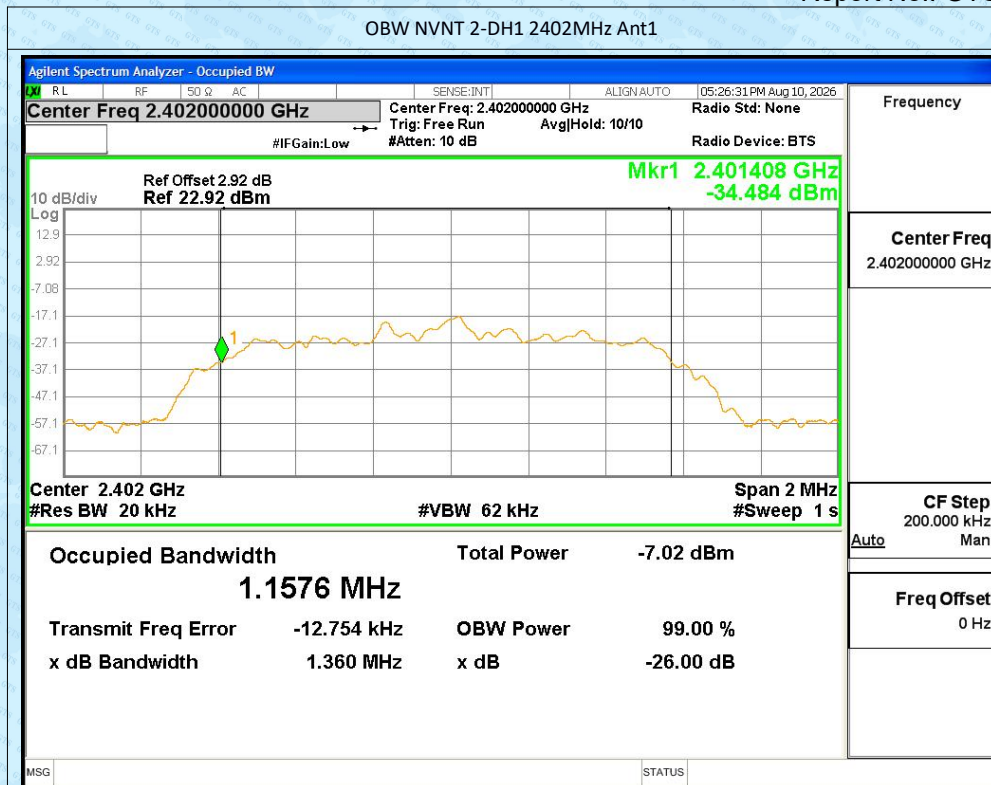


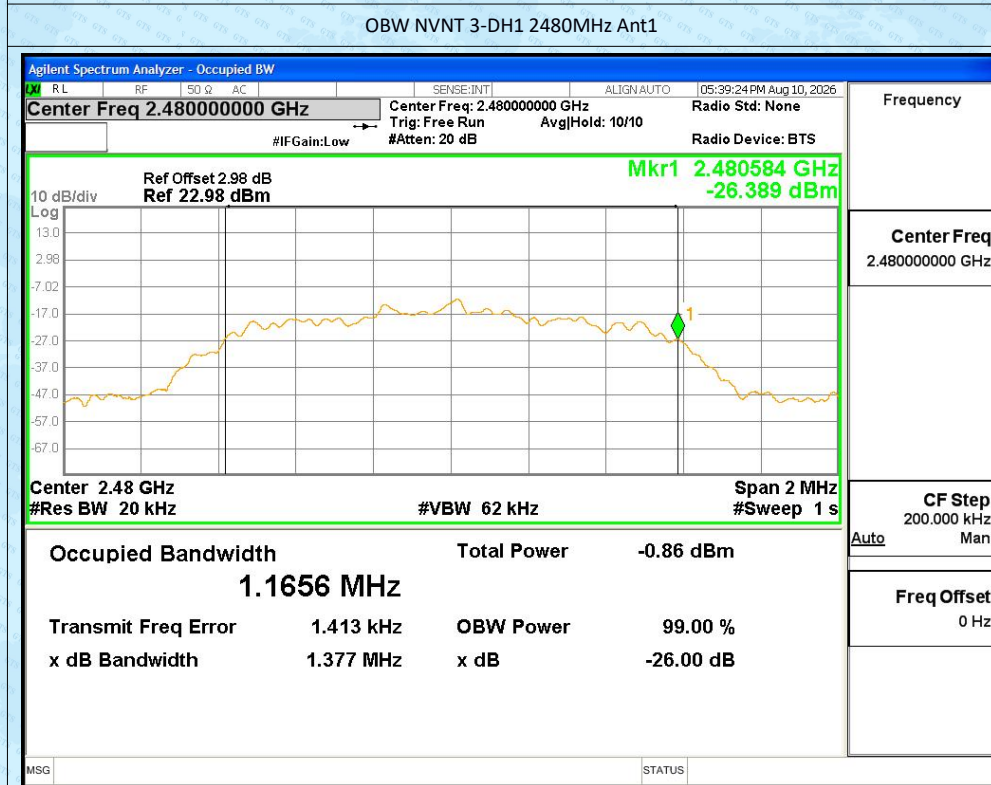
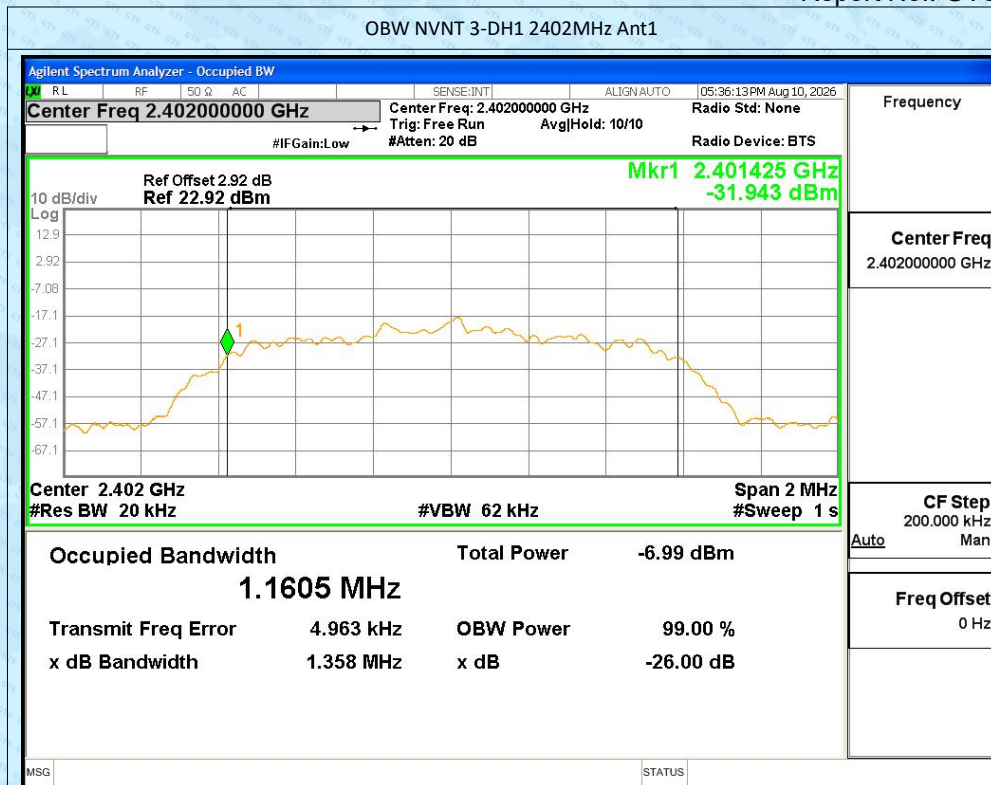


5.4.7 Occupied Channel Bandwidth

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	2401.999	0.838	2401.58	2402.418	2400 - 2483.5MHz	Pass
		2480		2479.994	0.84	2479.574	2480.414	2400 - 2483.5MHz	Pass
	2-DH1	2402		2401.987	1.158	2401.408	2402.566	2400 - 2483.5MHz	Pass
		2480		2479.981	1.167	2479.398	2480.565	2400 - 2483.5MHz	Pass
	3-DH1	2402		2402.005	1.16	2401.425	2402.585	2400 - 2483.5MHz	Pass
		2480		2480.001	1.166	2479.419	2480.584	2400 - 2483.5MHz	Pass





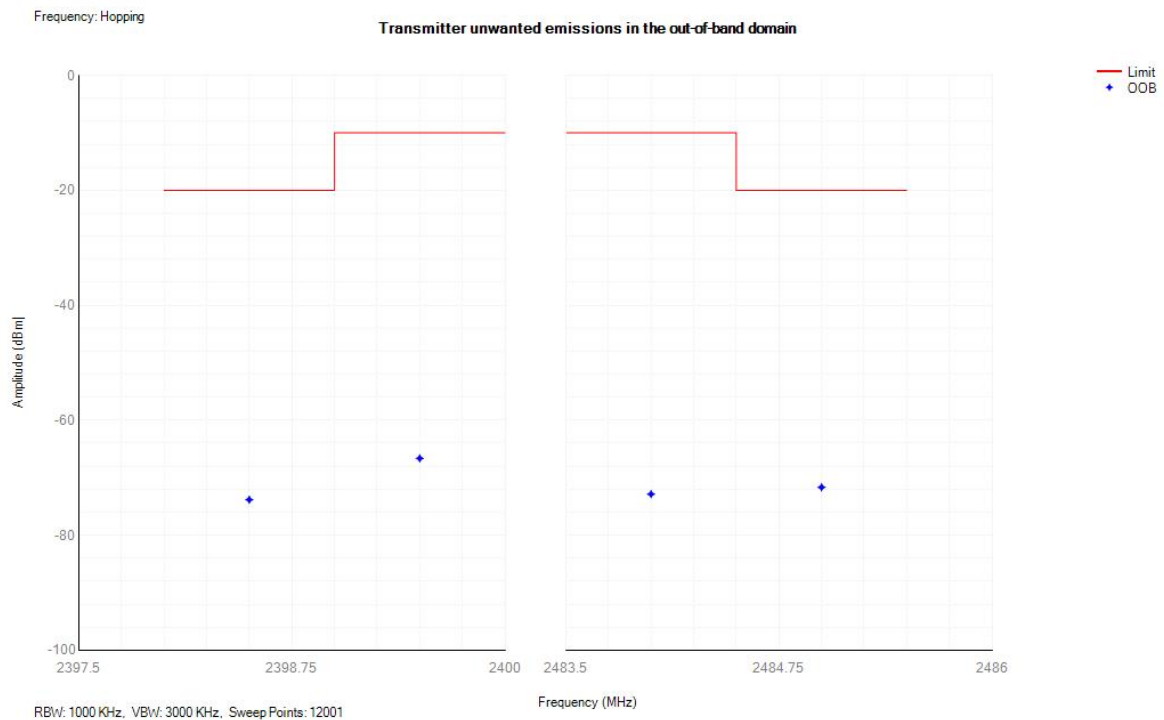


5.4.8 Transmitter unwanted emissions in the out-of-band domain

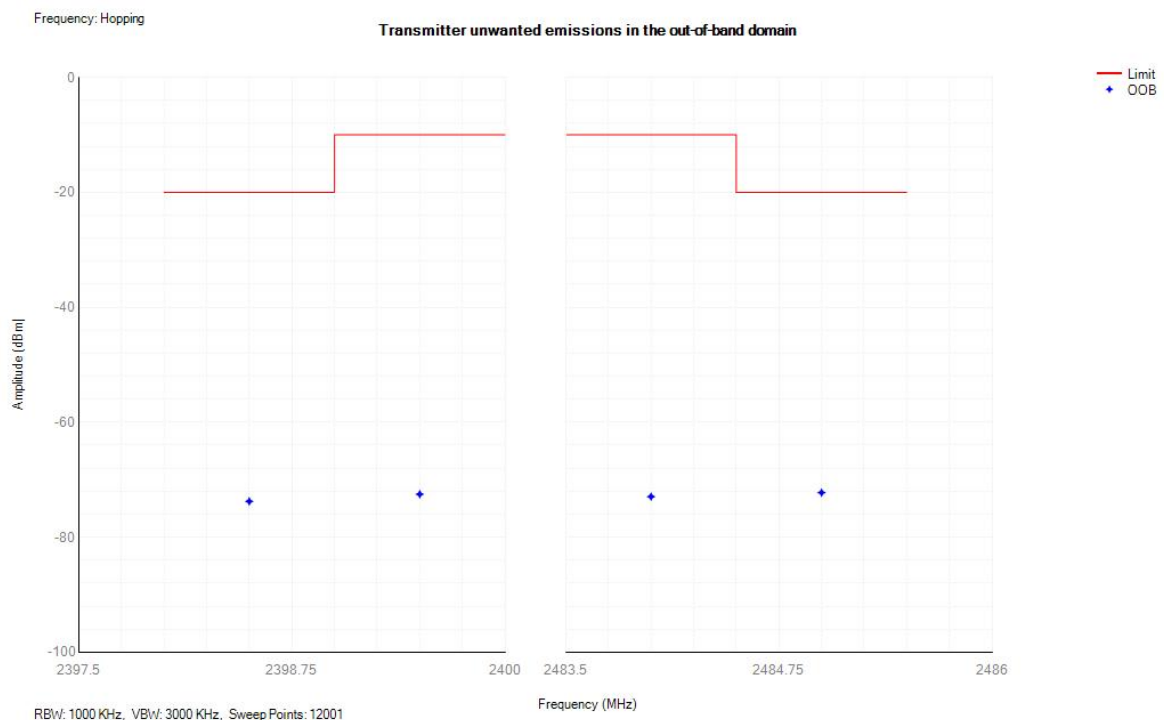
Condition	Mode	Frequency (MHz)	Antenna	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	1-DH1	Hopping	Ant1	2399.5	-66.62	-10	Pass
				2398.5	-73.81	-20	Pass
				2484	-72.84	-10	Pass
				2485	-71.65	-20	Pass
				2399.5	-72.51	-10	Pass
				2398.5	-73.75	-20	Pass
				2484	-72.93	-10	Pass
				2485	-72.23	-20	Pass
NVNT	2-DH1	Hopping	Ant1	2399.5	-70.24	-10	Pass
				2399.342	-73.84	-10	Pass
				2398.342	-73.44	-20	Pass
				2398.184	-73.81	-20	Pass
				2484	-73.05	-10	Pass
				2484.167	-73.34	-10	Pass
				2485.167	-72.95	-20	Pass
				2485.334	-72.94	-20	Pass
				2399.5	-73.74	-10	Pass
				2399.342	-73.14	-10	Pass
				2398.342	-73.56	-20	Pass
				2398.184	-73.6	-20	Pass
				2484	-73.17	-10	Pass
				2484.167	-72.23	-10	Pass
				2485.167	-73.06	-20	Pass
				2485.334	-71.45	-20	Pass
NVNT	3-DH1	Hopping	Ant1	2399.5	-70.83	-10	Pass
				2399.34	-73.57	-10	Pass
				2398.34	-73.57	-20	Pass
				2398.18	-72.61	-20	Pass
				2484	-71.43	-10	Pass
				2484.166	-72.67	-10	Pass
				2485.166	-73.01	-20	Pass
				2485.332	-71.46	-20	Pass
				2399.5	-70.71	-10	Pass
				2399.34	-73.78	-10	Pass
				2398.34	-73.62	-20	Pass
				2398.18	-73.77	-20	Pass
				2484	-70.56	-10	Pass
				2484.166	-68.49	-10	Pass
				2485.166	-72.59	-20	Pass
				2485.332	-72.96	-20	Pass

Test Graphs

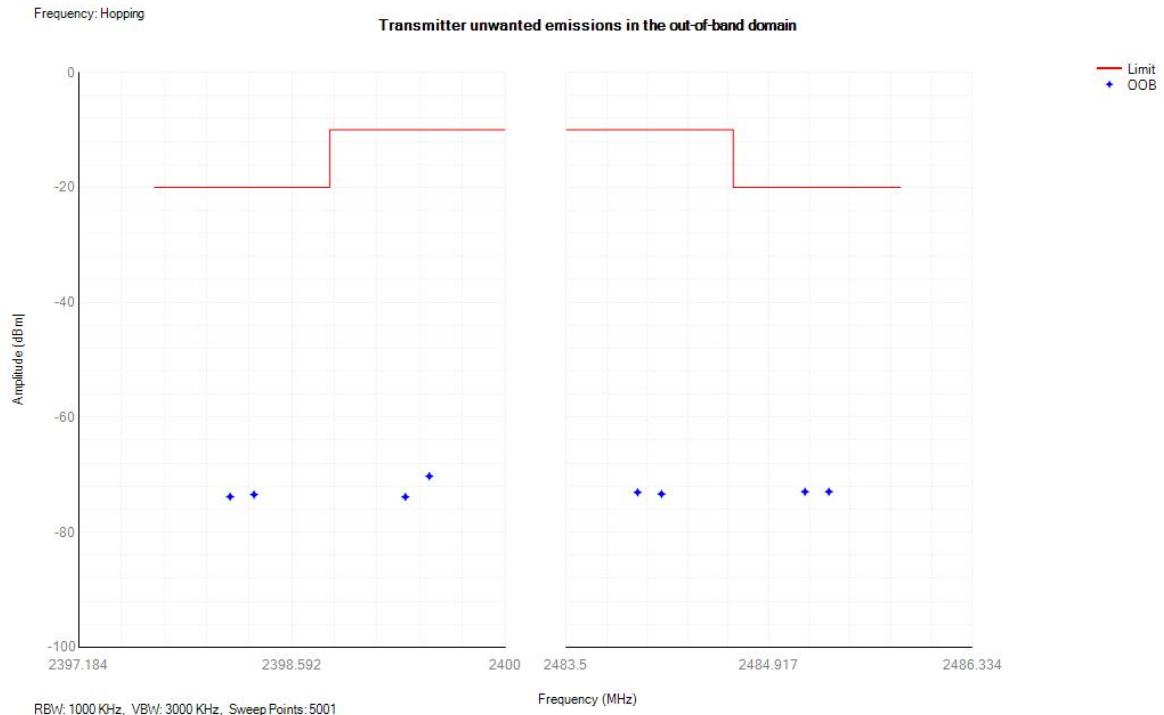
Tx. Emissions OOB NVNT 1-DH1 2402MHz Ant1



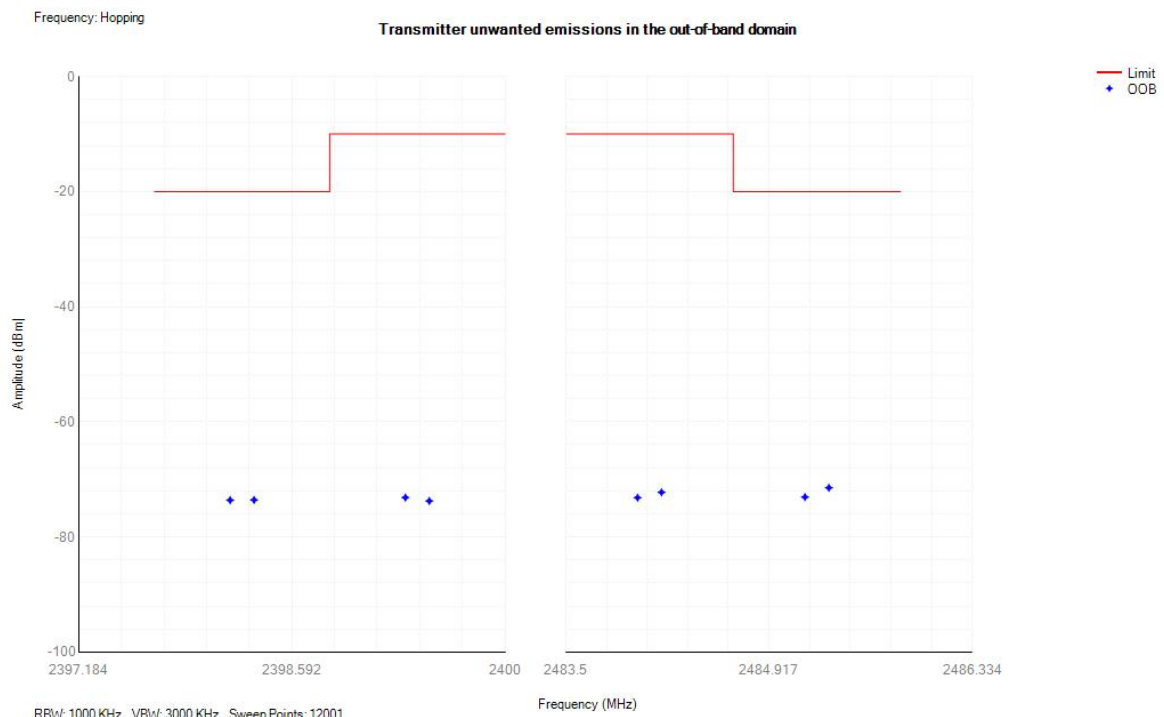
Tx. Emissions OOB NVNT 1-DH1 2480MHz Ant1



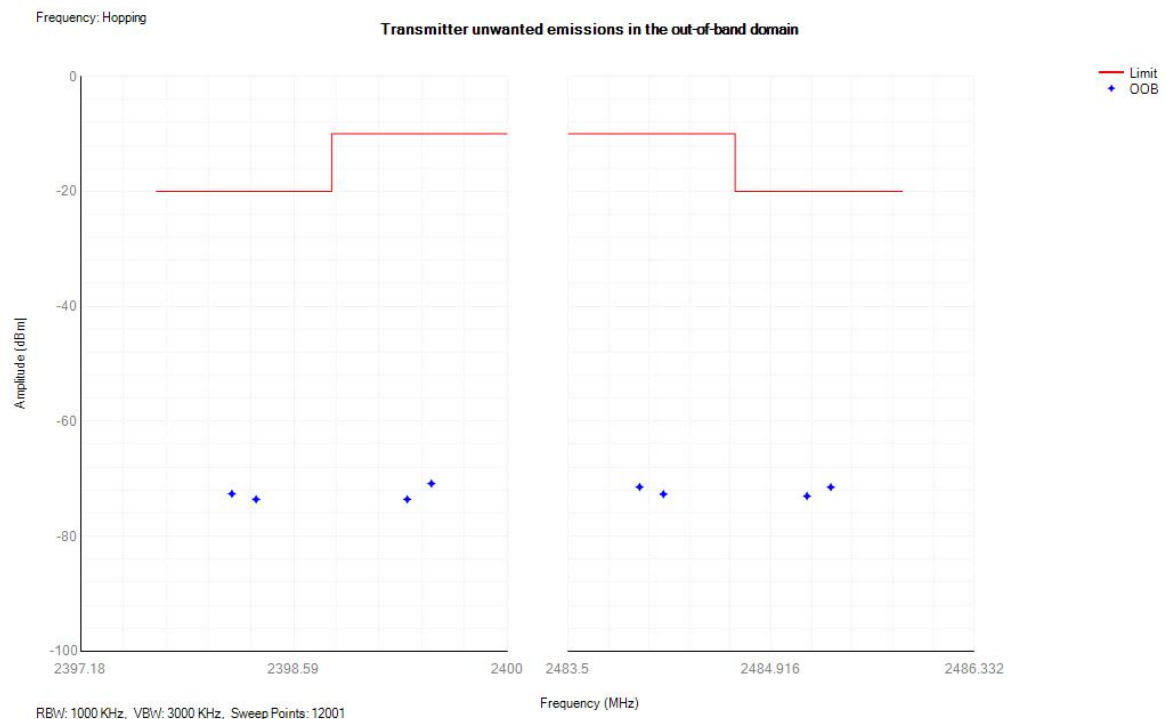
Tx. Emissions OOB NVNT 2-DH1 2402MHz Ant1



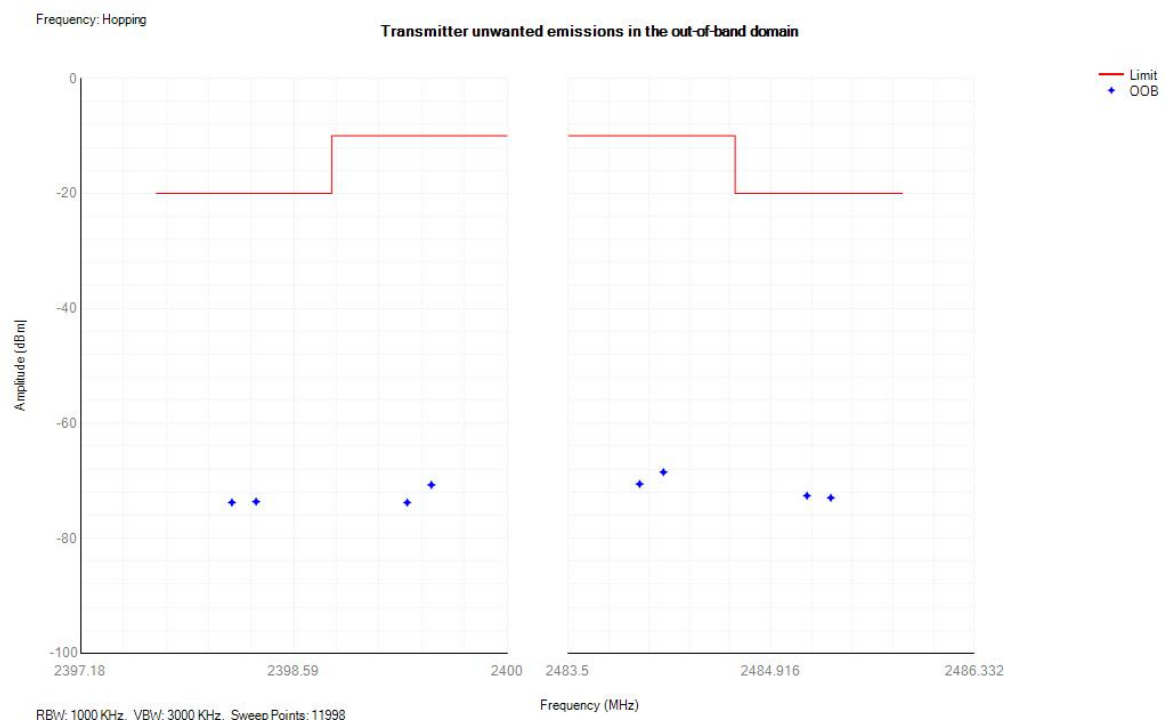
Tx. Emissions OOB NVNT 2-DH1 2480MHz Ant1



Tx. Emissions OOB NVNT 3-DH1 2402MHz 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)		
59.65	Vertical	-64.68	-54.00	Pass
91.46	V	-64.25		
30.32	V	-59.84	-36.00	
81.59	V	-62.89		
4804.00	V	-46.30	-30.00	
92.64	Horizontal	-64.28	-54.00	
172.69	H	-66.00		
73.79	H	-72.54	-36.00	
391.34	H	-60.16		
4804.00	H	-46.37	-30.00	
GFSK: The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
57.70	Vertical	-62.13	-54.00	Pass
93.45	V	-64.20		
30.41	V	-59.84	-36.00	
82.28	V	-63.86		
4960.00	V	-45.16	-30.00	
95.21	Horizontal	-63.08	-54.00	
174.46	H	-64.62		
76.04	H	-72.61	-36.00	
399.89	H	-59.08		
4960.00	H	-47.77	-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)		
31.58	Vertical	-62.60	-57.00	Pass
97.79	V	-61.67		
4804.00	V	-60.18	-47.00	
375.44	Horizontal	-64.40	-57.00	
396.84	H	-64.99		
4804.00	H	-61.40	-47.00	
GFSK: The highest channel				
Frequency (MHz)	Spurious Emission		Limit (dBm)	Test Result
	Polarization	Level(dBm)		
31.22	Vertical	-61.56	-57.00	Pass
93.58	V	-58.83		
4960.00	V	-60.03	-47.00	
379.61	Horizontal	-65.53	-57.00	
397.31	H	-64.86		
4960.00	H	-61.71	-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	2402	Ant1	-67.97	2380	-32.20	0	10	Pass
				-67.97	2300	-32.20	0	10	Pass
NVNT	1-DH1	2480	Ant1	-67.97	2504	-32.20	0	10	Pass
				-67.97	2584	-32.20	0	10	Pass

-----End-----