

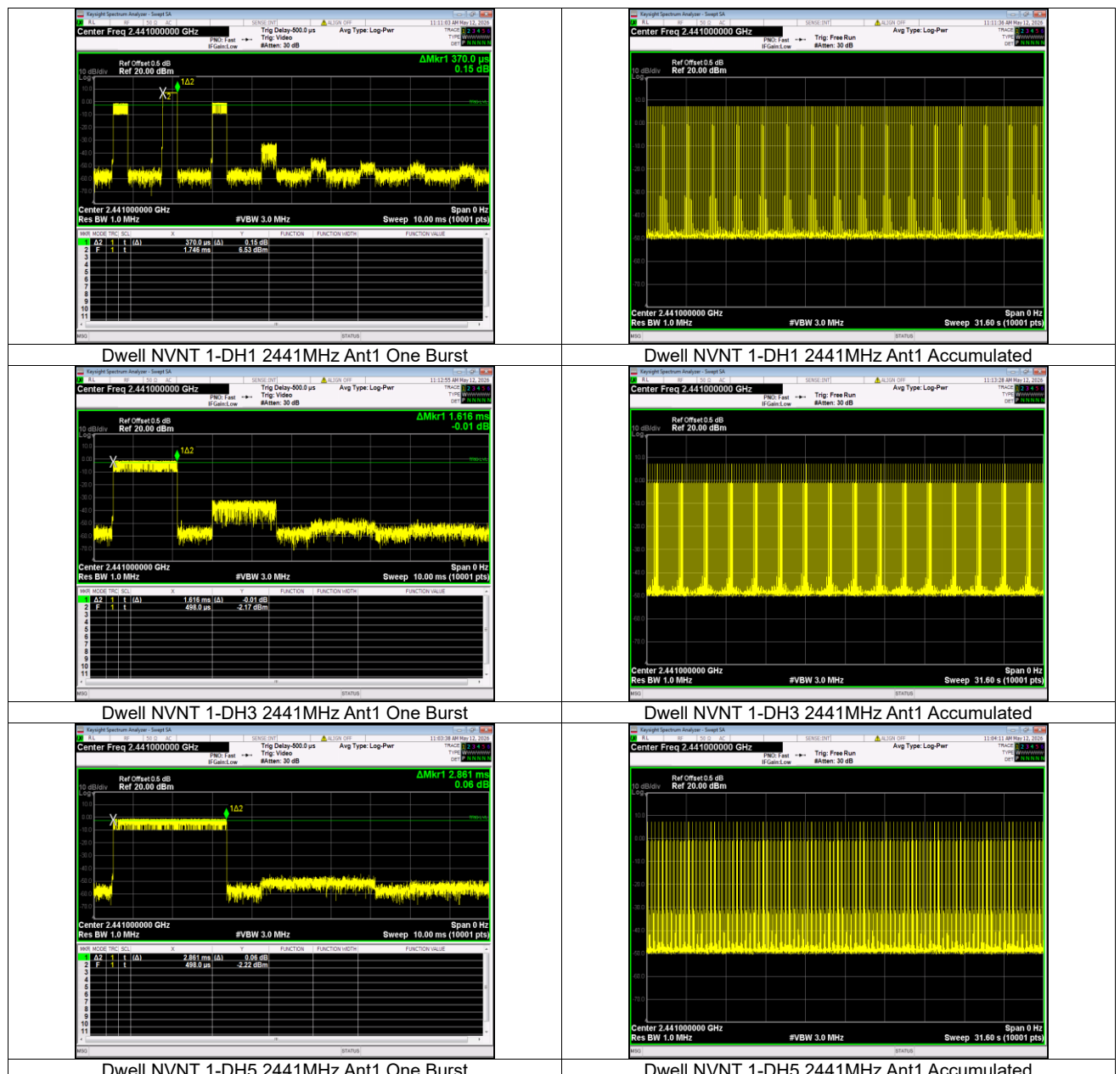
Appendix A: Test Results

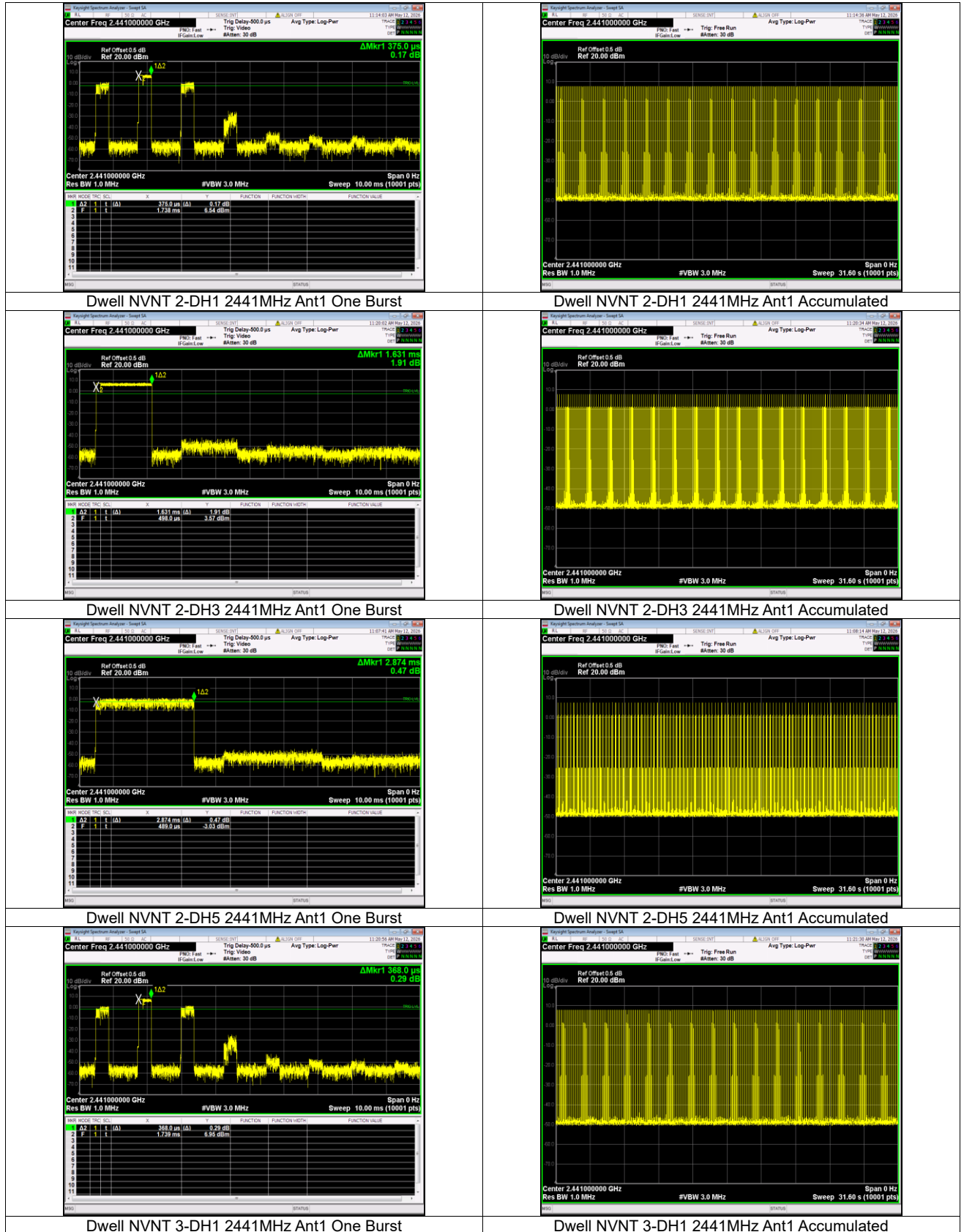
Content

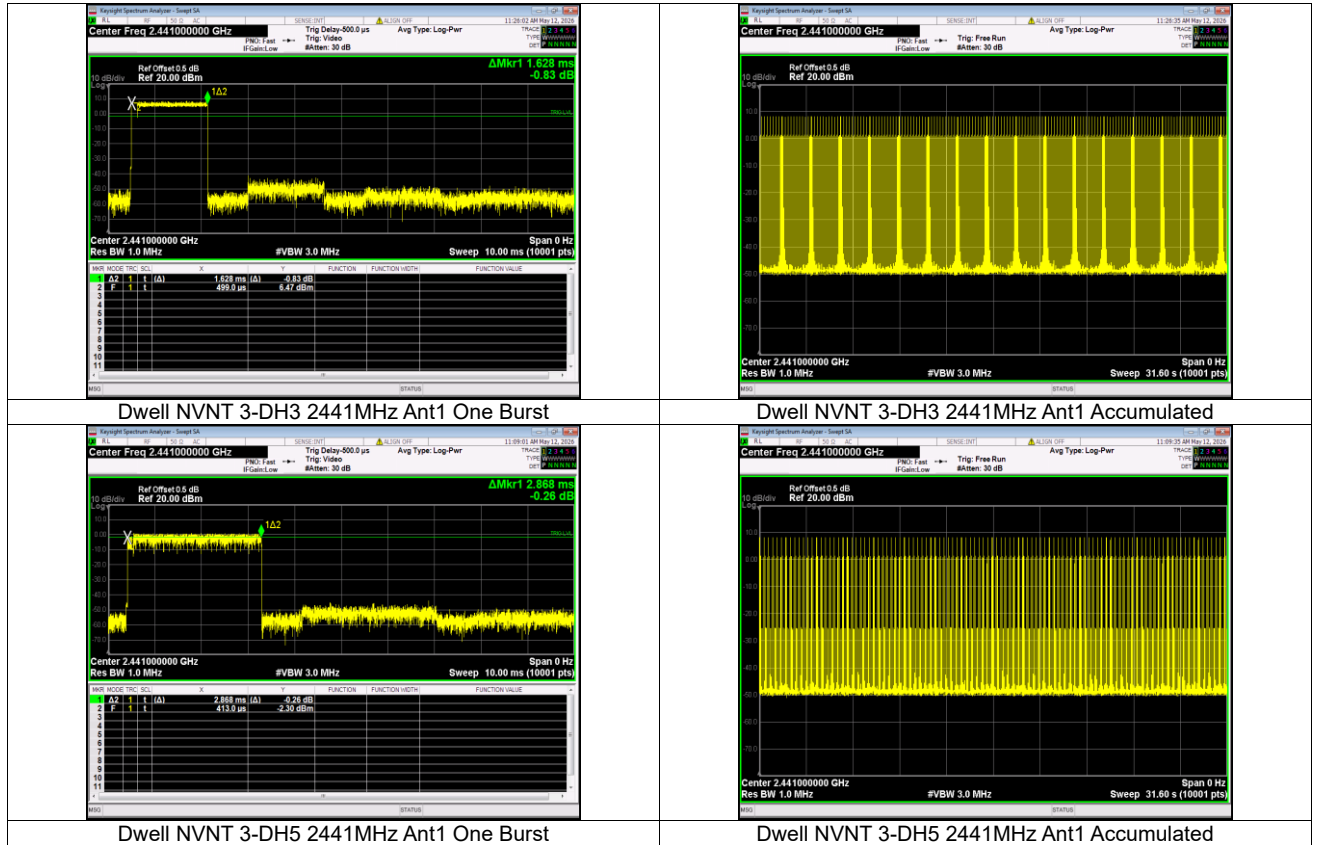
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Dwell Time

Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.37	118.03	319	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.616	256.944	159	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.861	306.127	107	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.375	119.625	319	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.631	260.96	160	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.874	307.518	107	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.368	117.392	319	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.628	260.48	160	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.868	306.876	107	31600	400	Pass





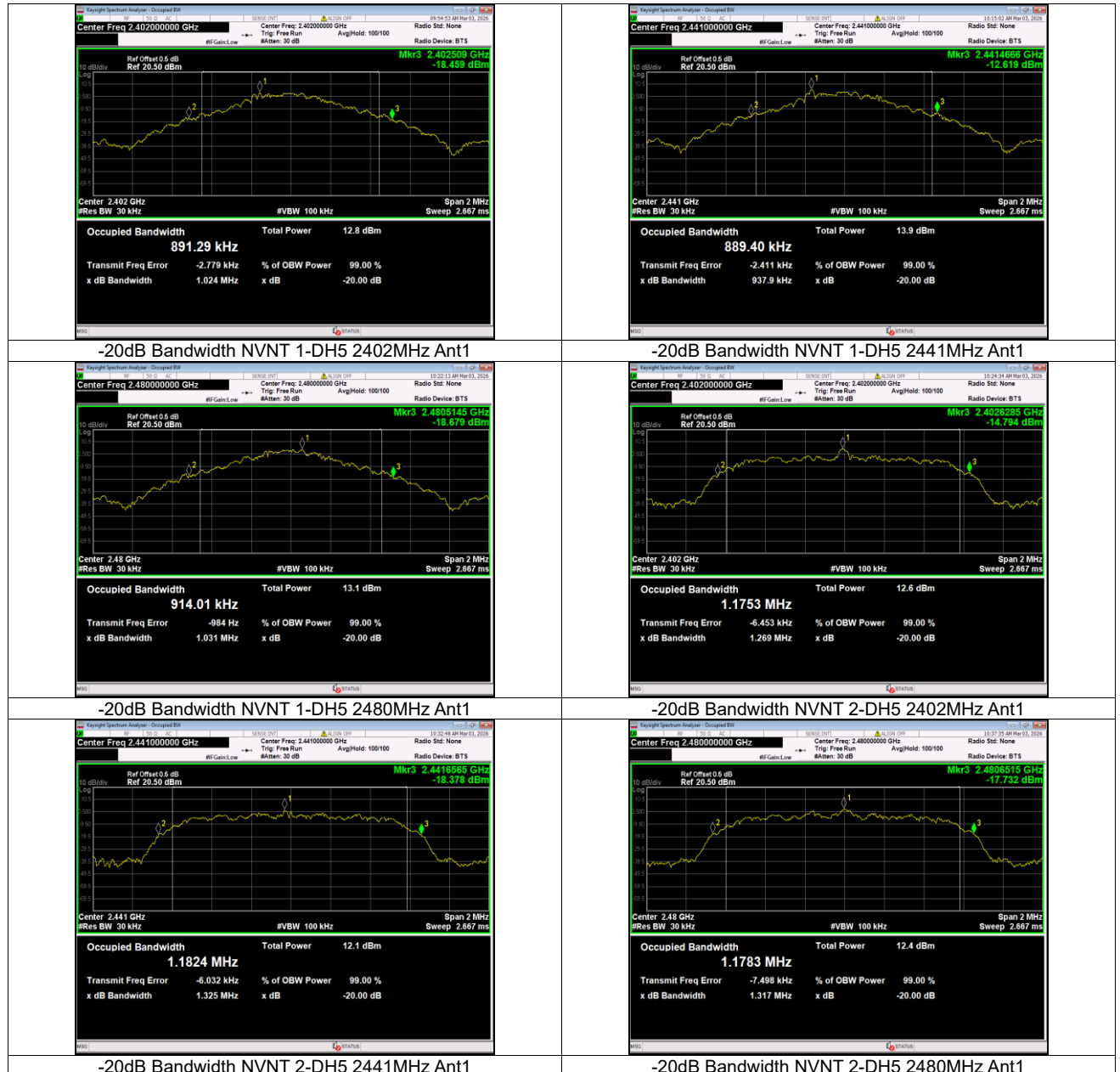


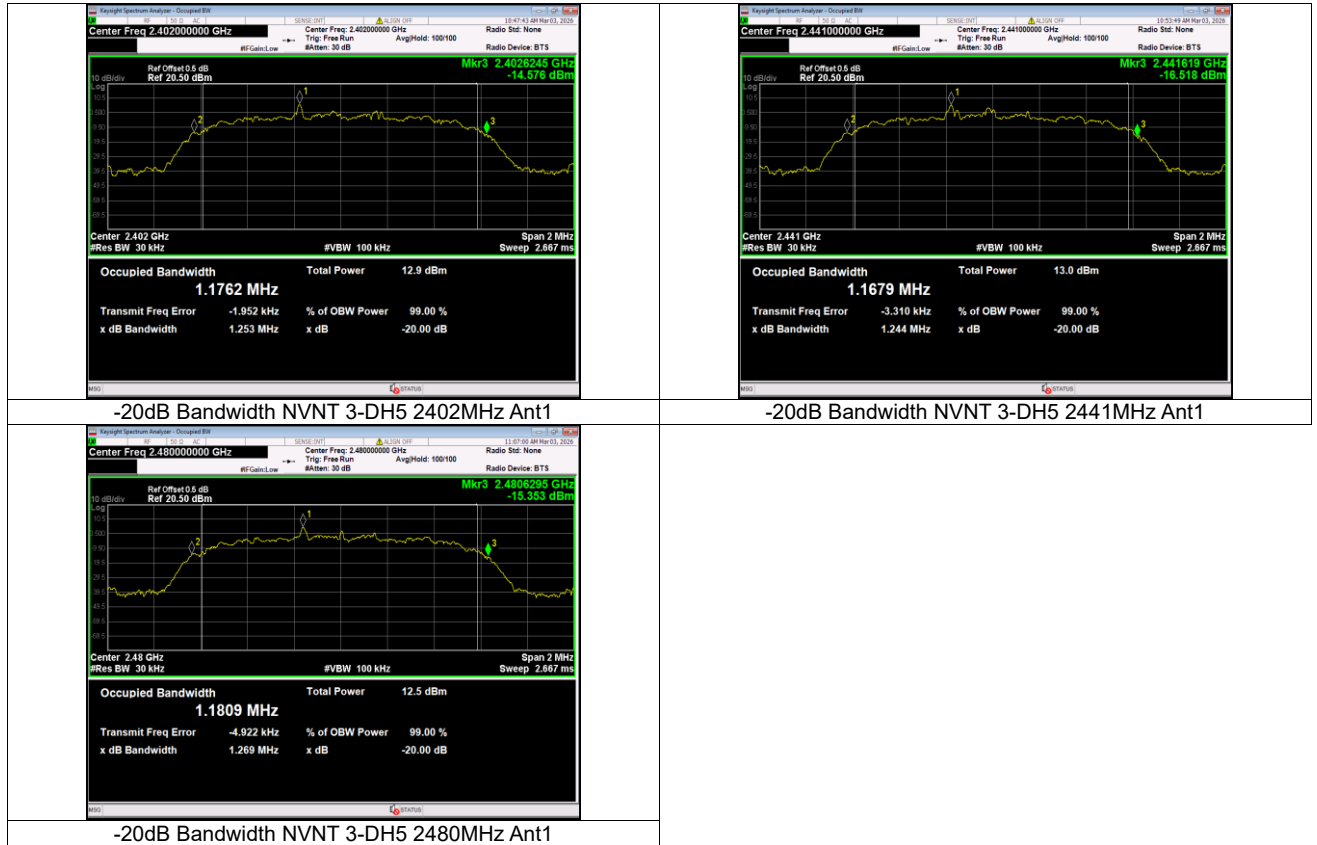
Maximum Peak Conducted Output Power

Condit ion	Mo de	Freque ncy (MHz)	Anten na	Conduc ted Power (dBm)	Dut y Fact or (dB)	Total Conduc ted Power (dBm)	Total Conduc ted Power (W)	Gai n (d Bi)	eirp (dB m)	eirp (W)	Limit Conducted(dBm)	Limi t EIR P (dB m)	Verd ict
NVNT	1- DH 5	2402	Ant1	6.47	0	6.47	0.00444	1.2 3	7.7	0.005 89	30	36	Pass
NVNT	1- DH 5	2441	Ant1	7.26	0	7.26	0.00532	1.2 3	8.49	0.007 06	30	36	Pass
NVNT	1- DH 5	2480	Ant1	7.31	0	7.31	0.00538	1.2 3	8.54	0.007 14	30	36	Pass
NVNT	2- DH 5	2402	Ant1	8.11	0	8.11	0.00647	1.2 3	9.34	0.008 59	30	36	Pass
NVNT	2- DH 5	2441	Ant1	7.94	0	7.94	0.00622	1.2 3	9.17	0.008 26	30	36	Pass
NVNT	2- DH 5	2480	Ant1	7.96	0	7.96	0.00625	1.2 3	9.19	0.008 3	30	36	Pass
NVNT	3- DH 5	2402	Ant1	8.7	0	8.7	0.00741	1.2 3	9.93	0.009 84	30	36	Pass
NVNT	3- DH 5	2441	Ant1	8.53	0	8.53	0.00713	1.2 3	9.76	0.009 46	30	36	Pass
NVNT	3- DH 5	2480	Ant1	8.54	0	8.54	0.00714	1.2 3	9.77	0.009 48	30	36	Pass

-20dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant1	1.024	0	Pass
NVNT	1-DH5	2441	Ant1	0.9379	0	Pass
NVNT	1-DH5	2480	Ant1	1.031	0	Pass
NVNT	2-DH5	2402	Ant1	1.269	0	Pass
NVNT	2-DH5	2441	Ant1	1.325	0	Pass
NVNT	2-DH5	2480	Ant1	1.317	0	Pass
NVNT	3-DH5	2402	Ant1	1.253	0	Pass
NVNT	3-DH5	2441	Ant1	1.244	0	Pass
NVNT	3-DH5	2480	Ant1	1.269	0	Pass

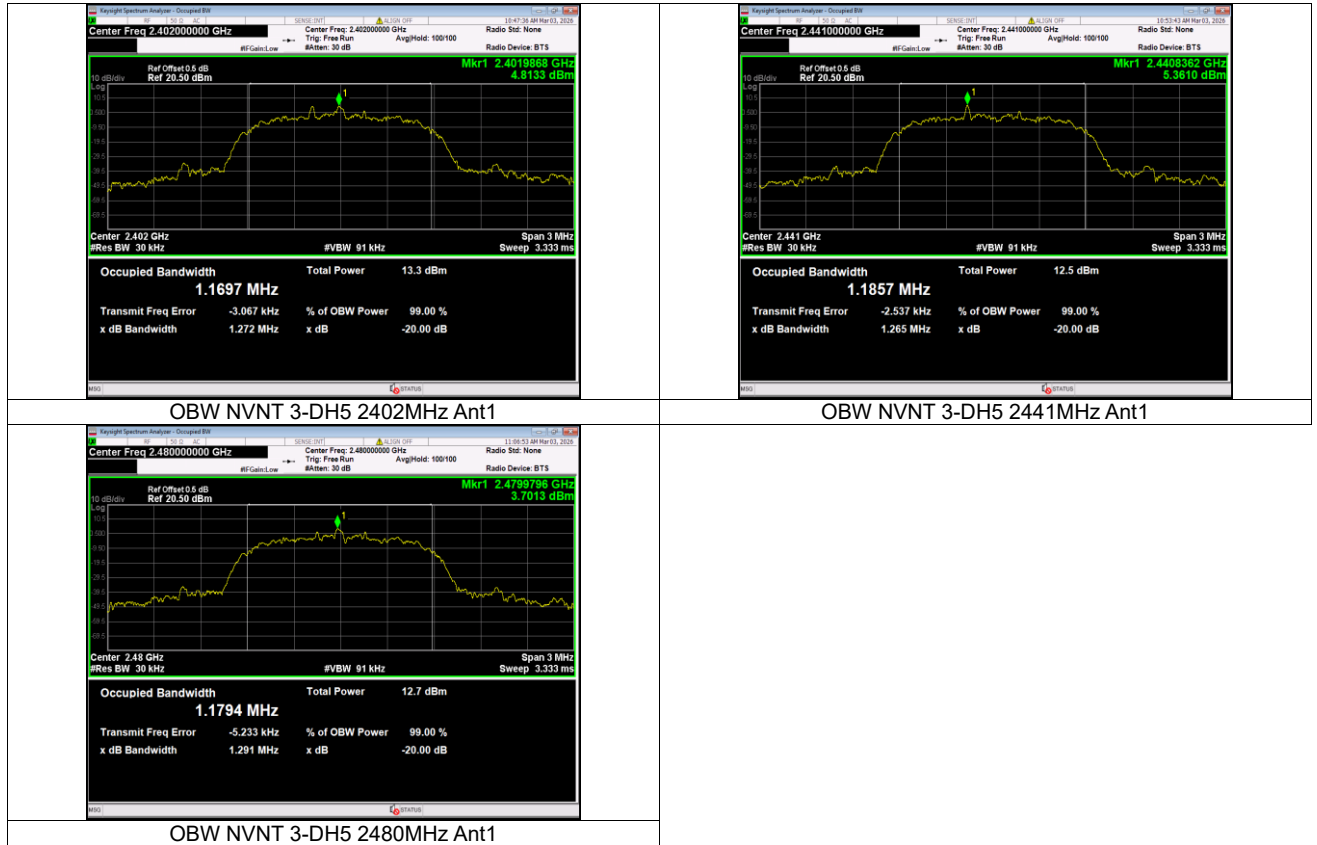




Occupied Channel Bandwidth

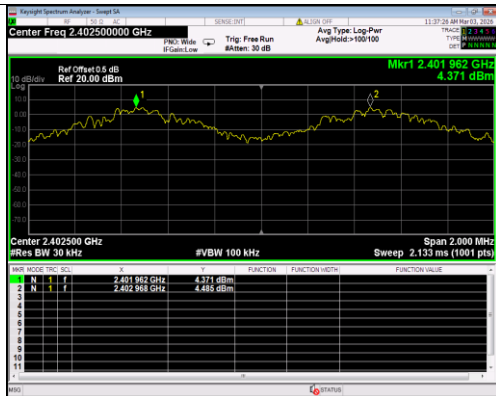
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.87284
NVNT	1-DH5	2441	Ant1	0.89146
NVNT	1-DH5	2480	Ant1	0.88646
NVNT	2-DH5	2402	Ant1	1.1795
NVNT	2-DH5	2441	Ant1	1.178
NVNT	2-DH5	2480	Ant1	1.1822
NVNT	3-DH5	2402	Ant1	1.1697
NVNT	3-DH5	2441	Ant1	1.1857
NVNT	3-DH5	2480	Ant1	1.1794



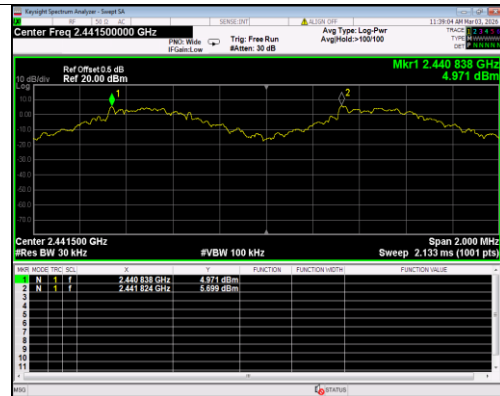


Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.962	2402.968	1.006	0.683	Pass
NVNT	1-DH5	Ant1	2440.838	2441.824	0.986	0.625	Pass
NVNT	1-DH5	Ant1	2478.908	2480.006	1.098	0.687	Pass
NVNT	2-DH5	Ant1	2401.87	2402.872	1.002	0.846	Pass
NVNT	2-DH5	Ant1	2440.87	2441.872	1.002	0.883	Pass
NVNT	2-DH5	Ant1	2478.874	2479.87	0.996	0.878	Pass
NVNT	3-DH5	Ant1	2401.828	2402.83	1.002	0.835	Pass
NVNT	3-DH5	Ant1	2440.828	2441.83	1.002	0.829	Pass
NVNT	3-DH5	Ant1	2478.826	2479.83	1.004	0.846	Pass



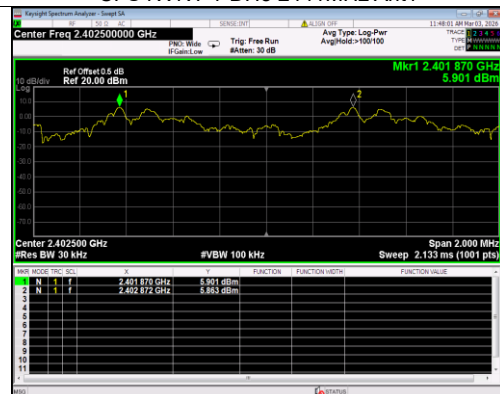
CFS NVNT 1-DH5 2402MHz Ant1



CFS NVNT 1-DH5 2441MHz Ant1



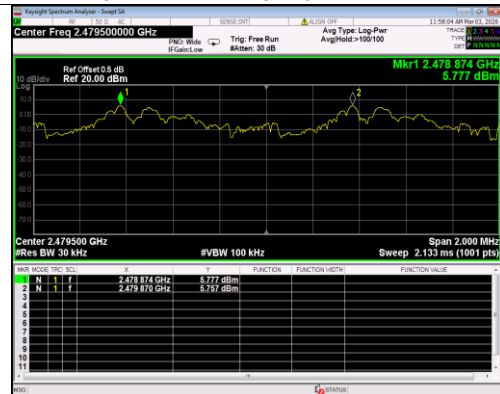
CFS NVNT 1-DH5 2480MHz Ant1



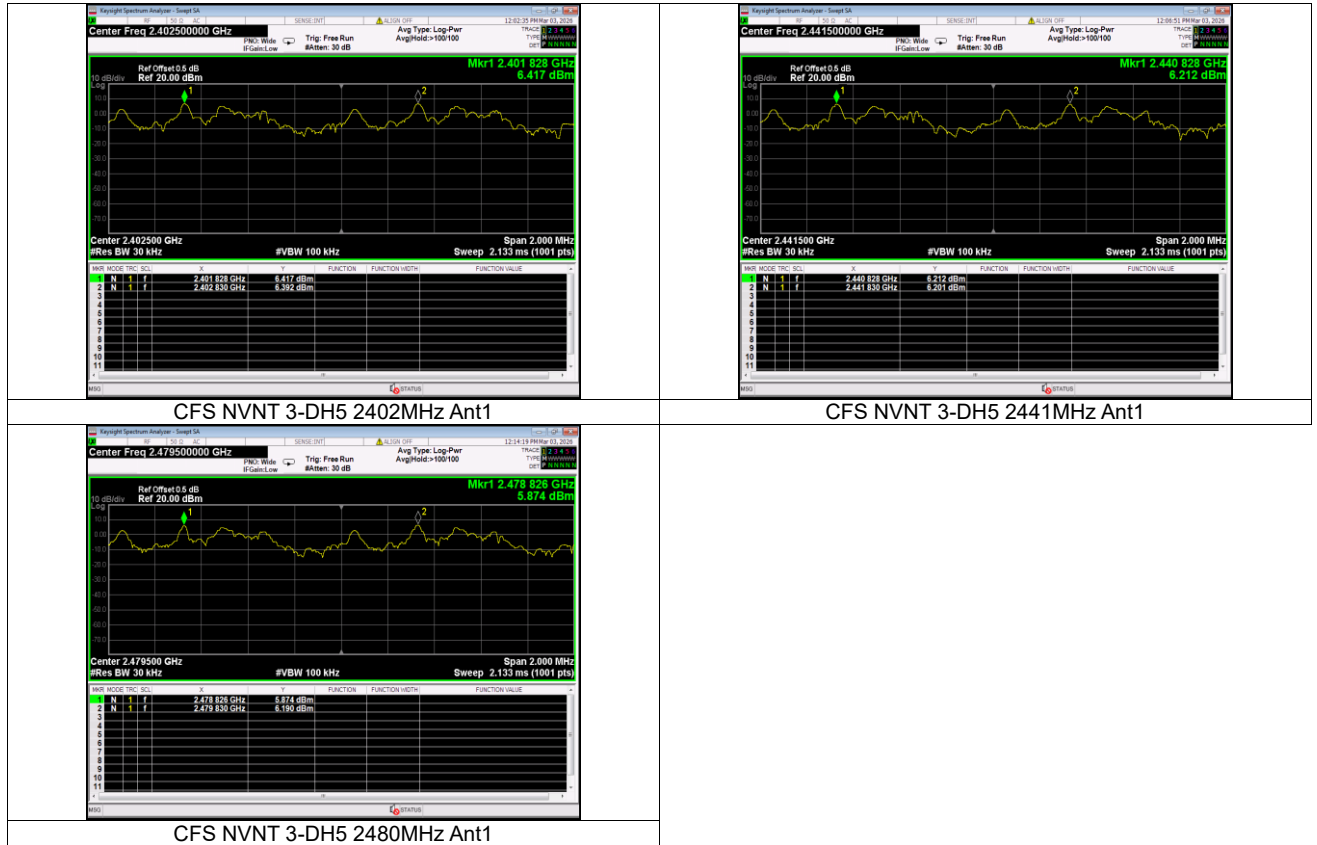
CFS NVNT 2-DH5 2402MHz Ant1



CFS NVNT 2-DH5 2441MHz Ant1

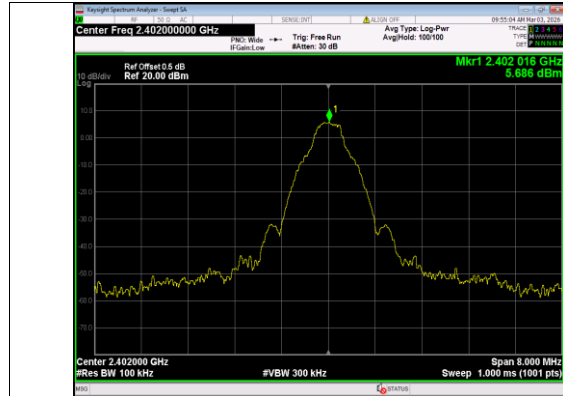


CFS NVNT 2-DH5 2480MHz Ant1

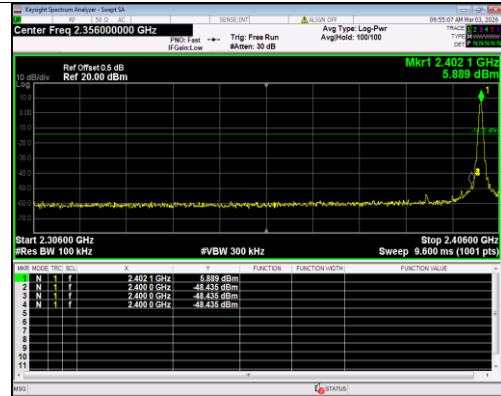


Band Edge

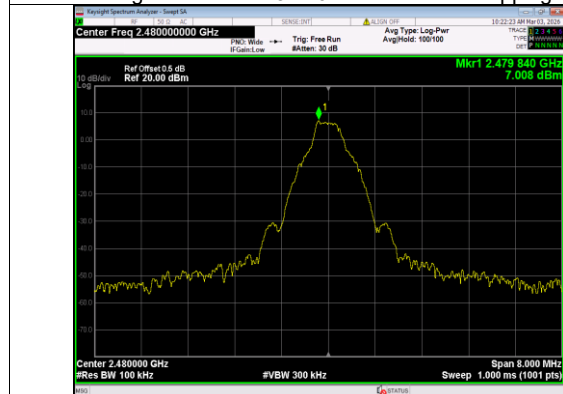
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-54.12	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-57.62	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-54.37	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-60.08	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-55.81	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-60.4	-20	Pass



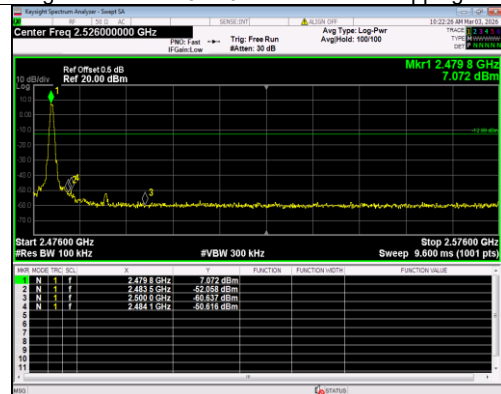
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



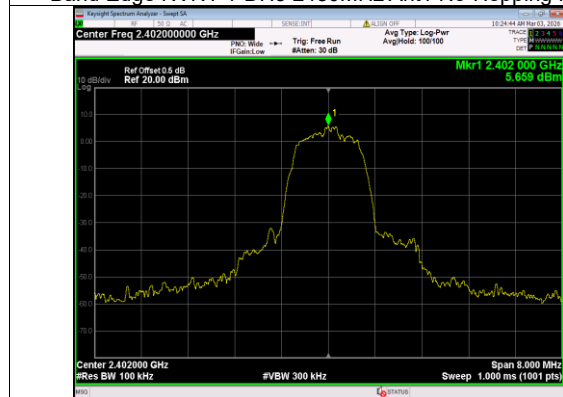
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



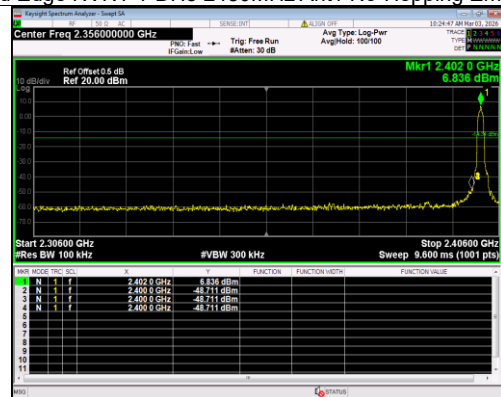
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



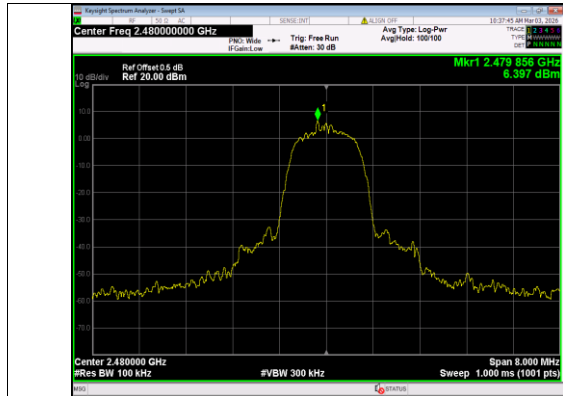
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



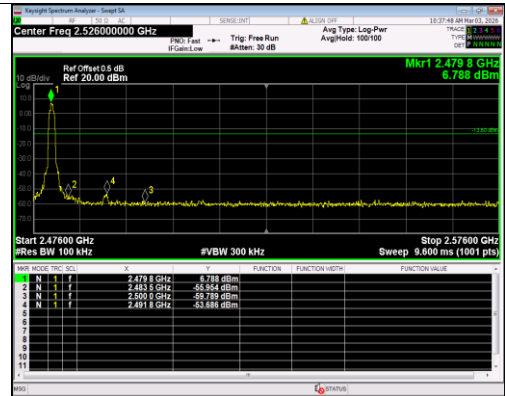
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



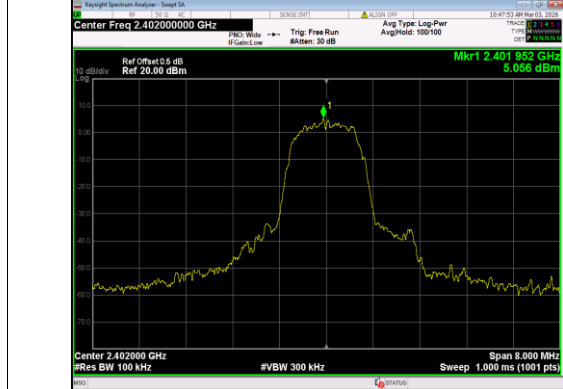
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



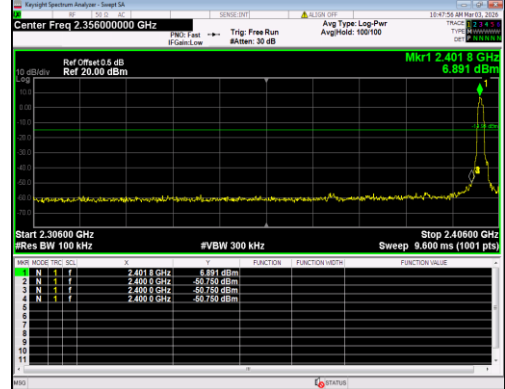
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



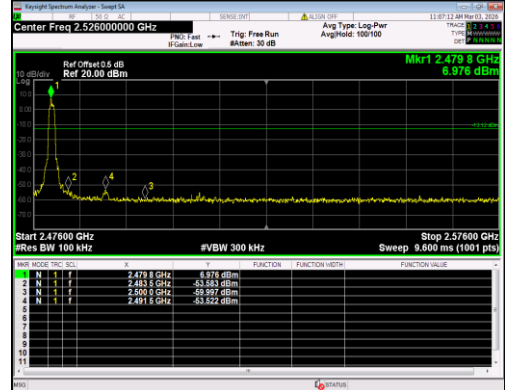
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Emission



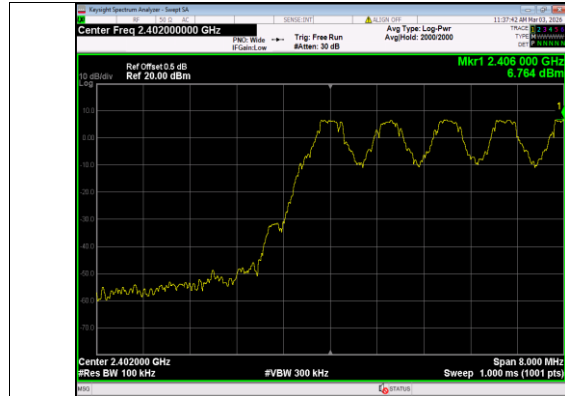
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



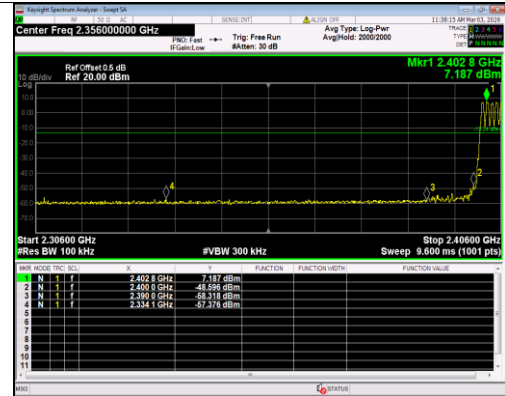
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

Band Edge(Hopping)

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-64.13	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-58.07	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-62.06	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-58.8	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-61.14	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-56.11	-20	Pass



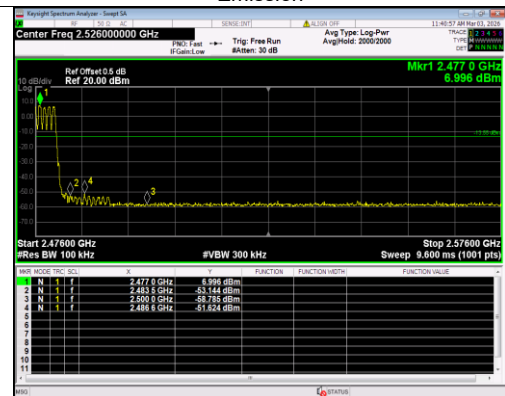
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping
Ref



Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping
Emission



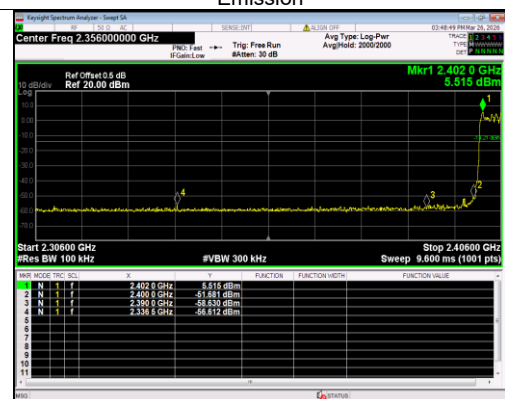
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping
Ref



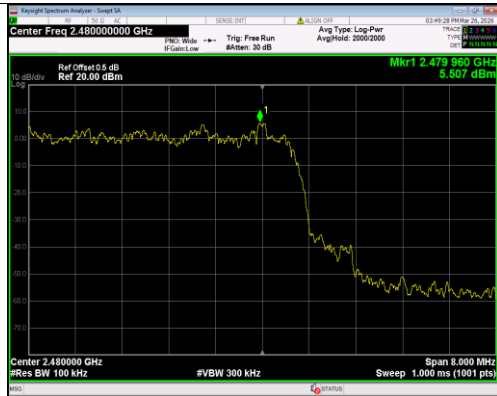
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping
Emission



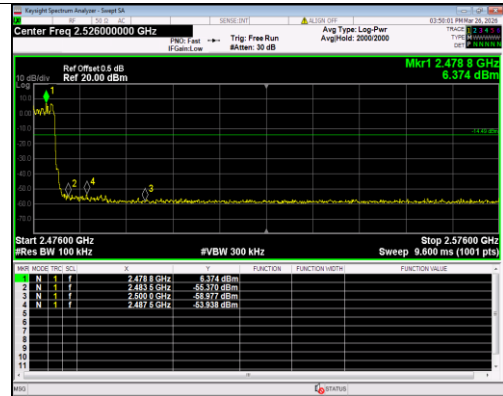
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping
Ref



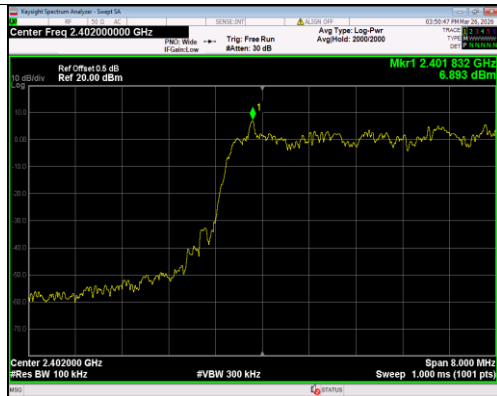
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping
Emission



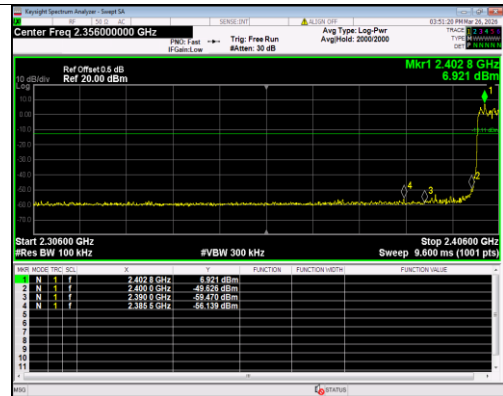
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping
Ref



Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping
Emission



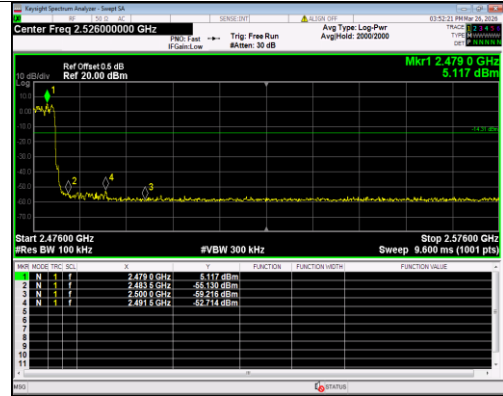
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping
Ref



Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping
Emission



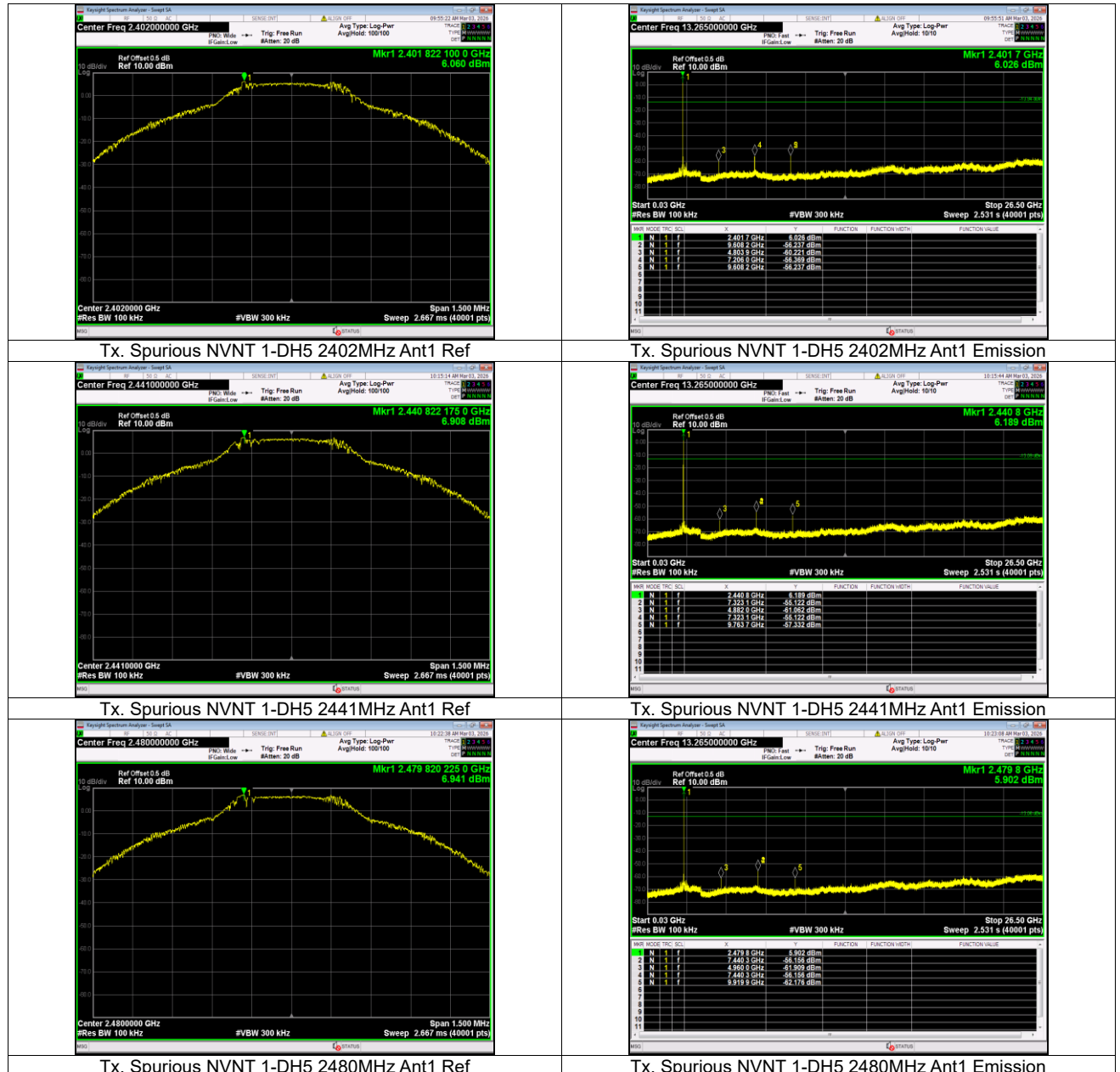
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping
Ref

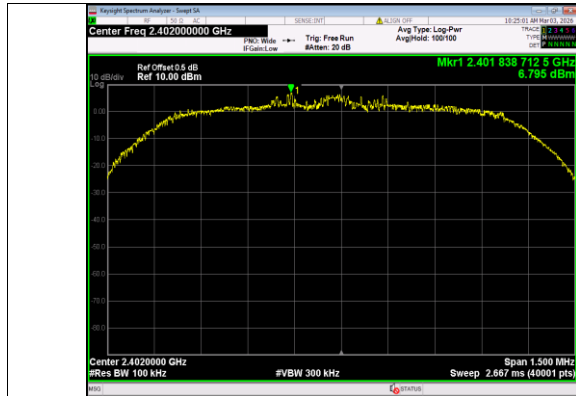


Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping
Emission

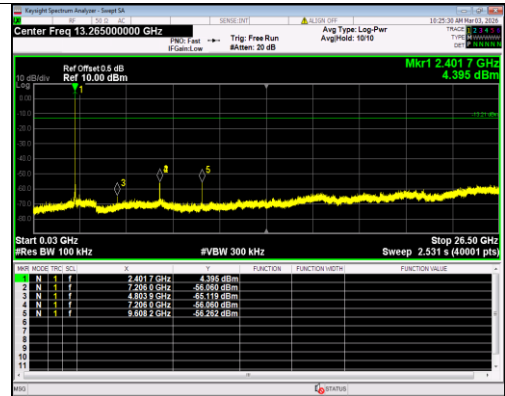
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-62.29	-20	Pass
NVNT	1-DH5	2441	Ant1	-62.03	-20	Pass
NVNT	1-DH5	2480	Ant1	-63.09	-20	Pass
NVNT	2-DH5	2402	Ant1	-62.86	-20	Pass
NVNT	2-DH5	2441	Ant1	-63.93	-20	Pass
NVNT	2-DH5	2480	Ant1	-63.18	-20	Pass
NVNT	3-DH5	2402	Ant1	-63.21	-20	Pass
NVNT	3-DH5	2441	Ant1	-64.36	-20	Pass
NVNT	3-DH5	2480	Ant1	-64.46	-20	Pass

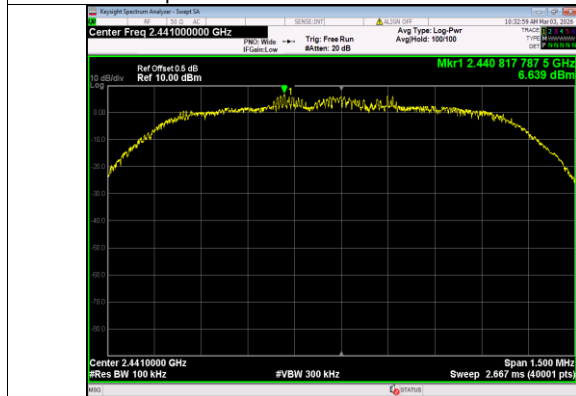




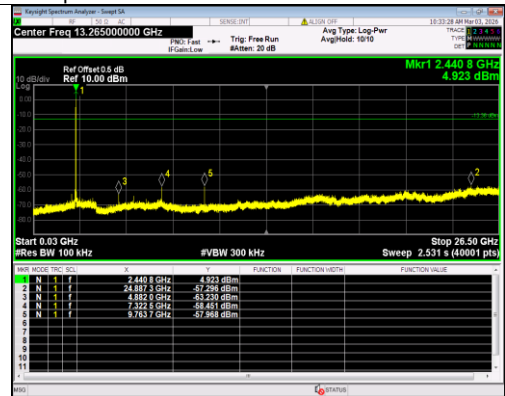
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



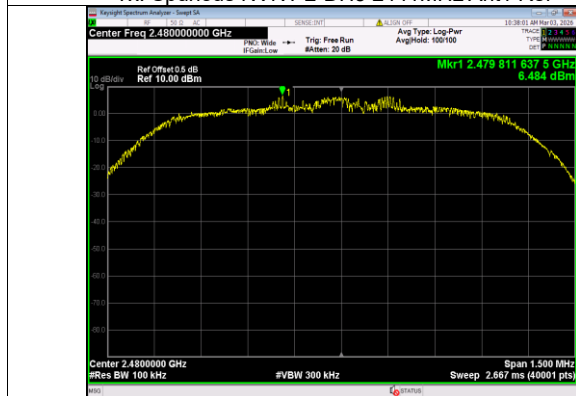
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



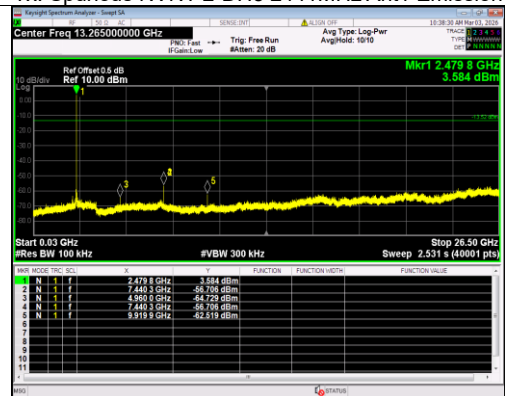
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



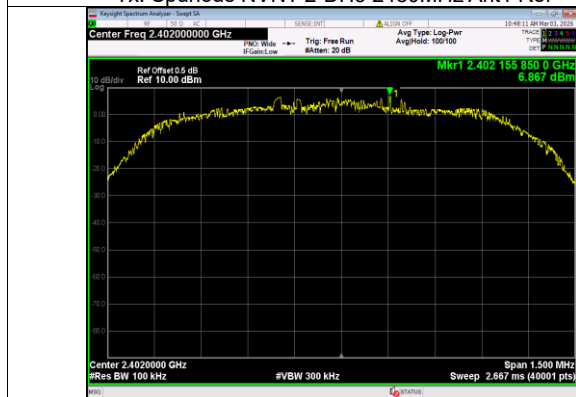
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



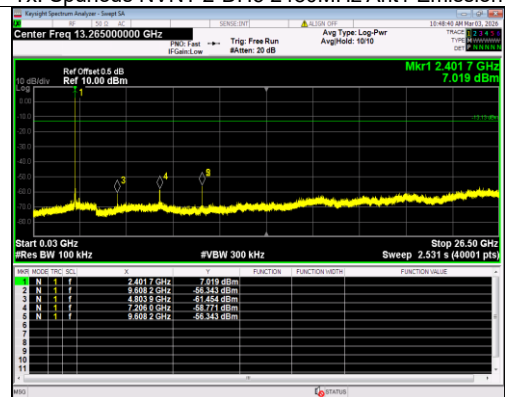
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



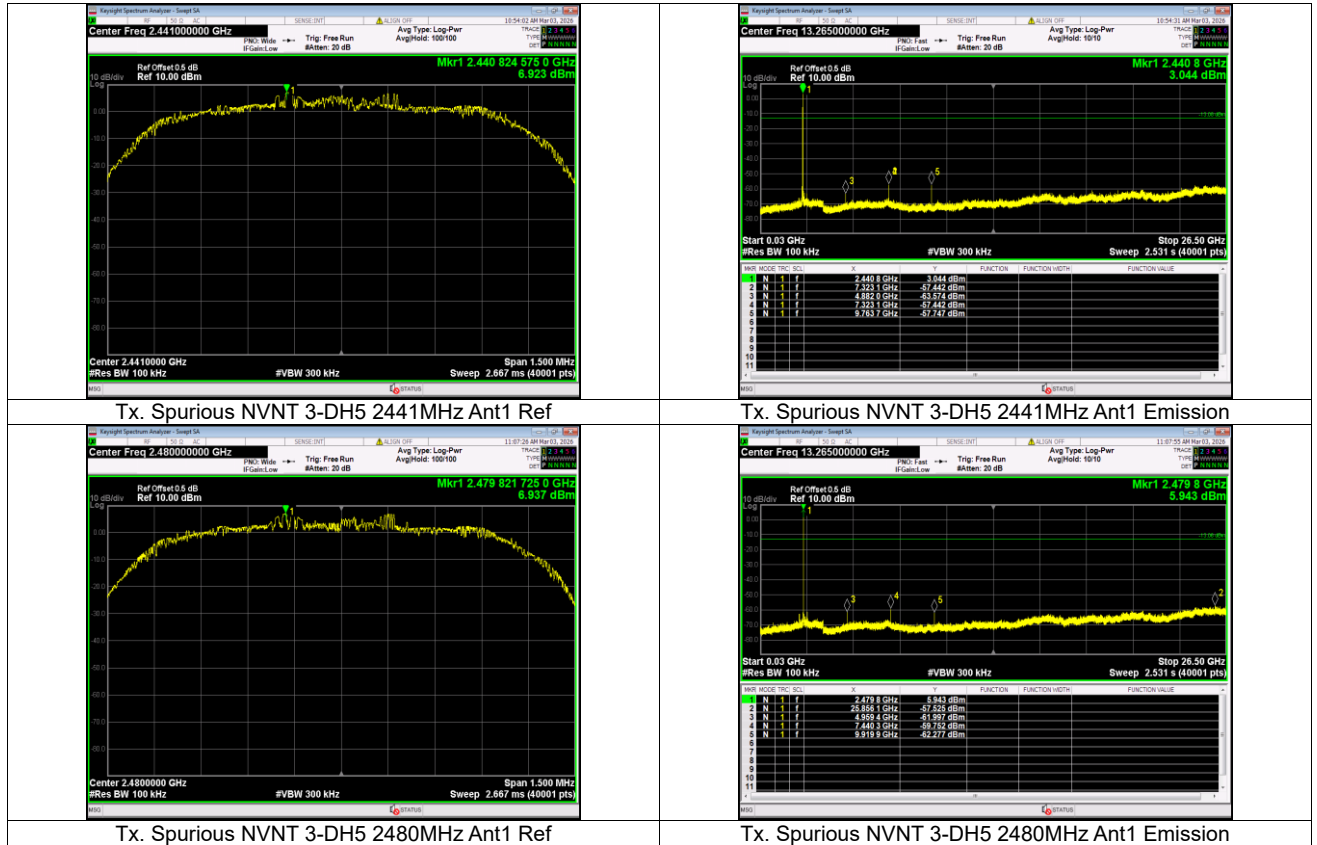
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

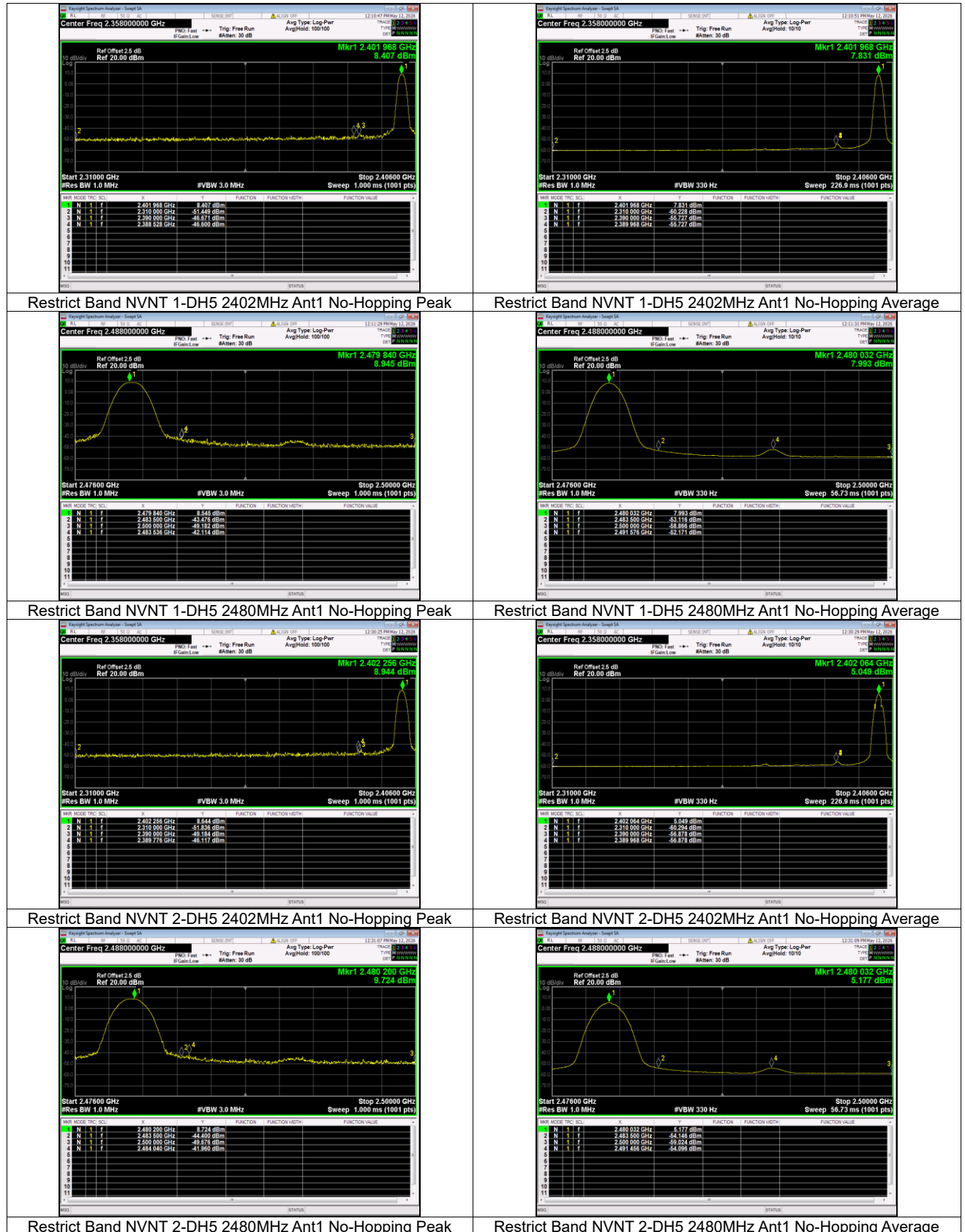


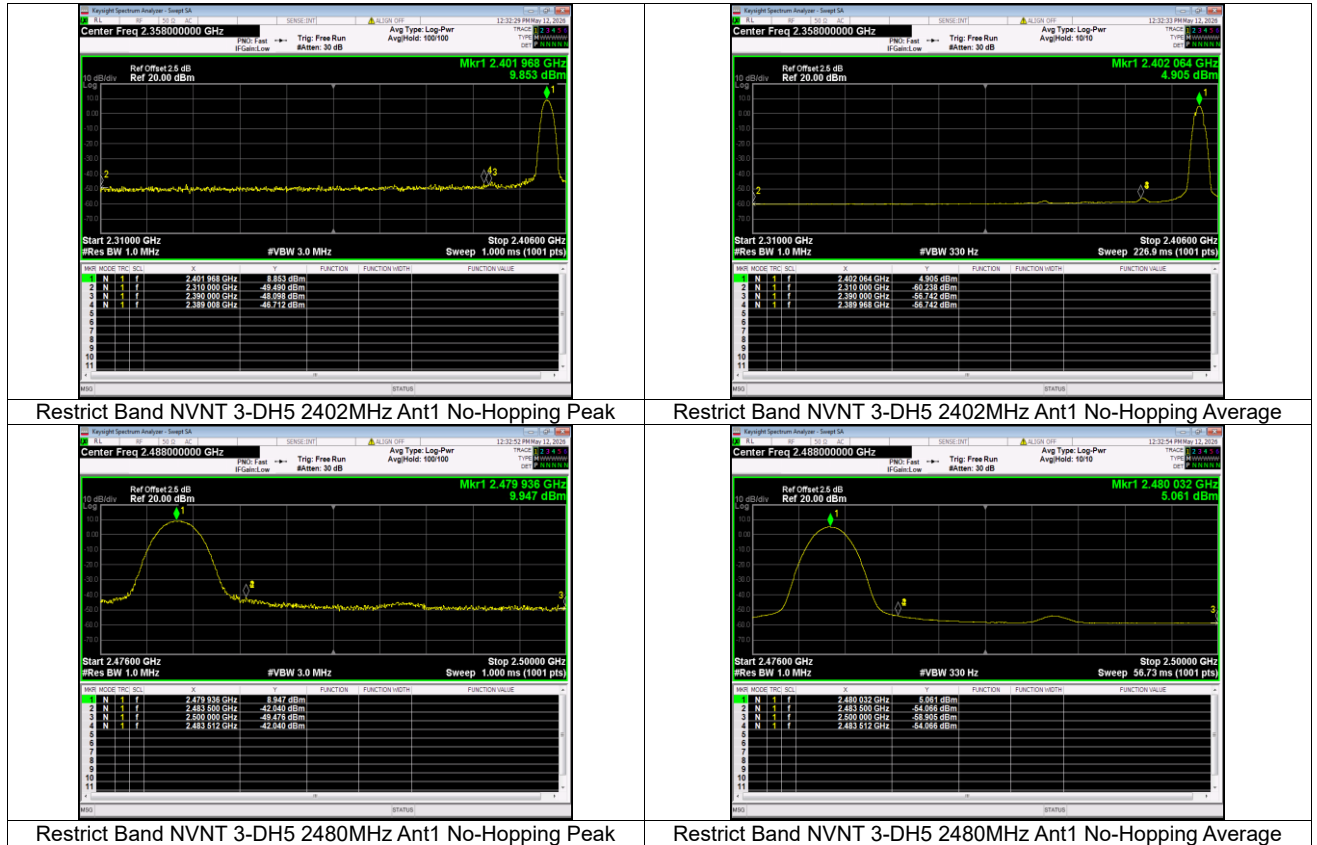
Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-51.44	43.82	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.22	35.04	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.528	-46.6	48.66	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2389.968	-55.72	39.54	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-46.62	48.64	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-55.24	40.02	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-43.47	51.79	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-53.11	42.15	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.536	-42.11	53.15	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2491.576	-52.17	43.09	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-49.18	46.08	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-58.86	36.4	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-51.83	43.43	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.29	34.97	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.776	-46.11	49.15	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.968	-56.87	38.39	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-48.57	46.69	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-56.61	38.65	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-44.4	50.86	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-54.14	41.12	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.04	-41.96	53.3	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2491.456	-54.09	41.17	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.67	45.59	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.02	36.24	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-49.49	45.77	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.23	35.03	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.008	-46.71	48.55	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.968	-56.74	38.52	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-47.47	47.79	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-56.36	38.9	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-42.03	53.23	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-54.06	41.2	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-42.03	53.23	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-54.06	41.2	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-49.47	45.79	Peak	74	Pass
NVNT	3-	2480	Ant1	No-	2500	-58.9	36.36	Average	54	Pass

DH5		Hopping							
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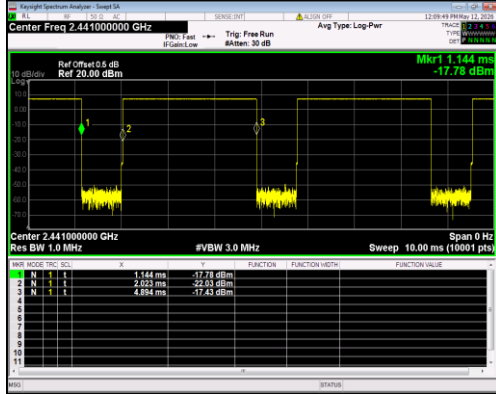
Note: This gain (2dBi) has already been compensated into the offset parameter of the test data.



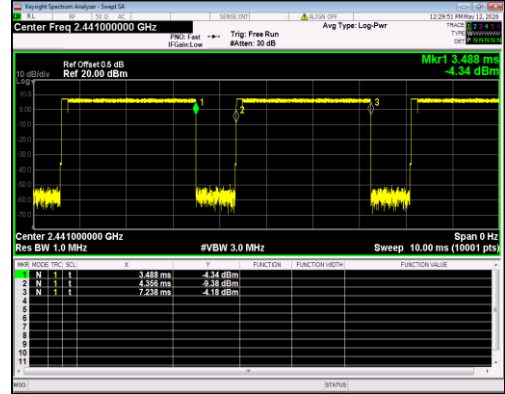


Duty Cycle

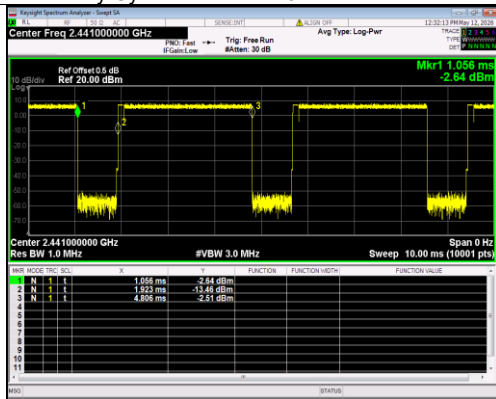
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2441	Ant1	76.56	1.16	0.35
NVNT	2-DH5	2441	Ant1	76.85	1.14	0.35
NVNT	3-DH5	2441	Ant1	76.88	1.14	0.35



Duty Cycle NVNT 1-DH5 2441MHz Ant1



Duty Cycle NVNT 2-DH5 2441MHz Ant1



Duty Cycle NVNT 3-DH5 2441MHz Ant1

Number of Hopping Channel

Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant1	79	15	Pass
NVNT	2-DH5	Ant1	79	15	Pass
NVNT	3-DH5	Ant1	79	15	Pass

