

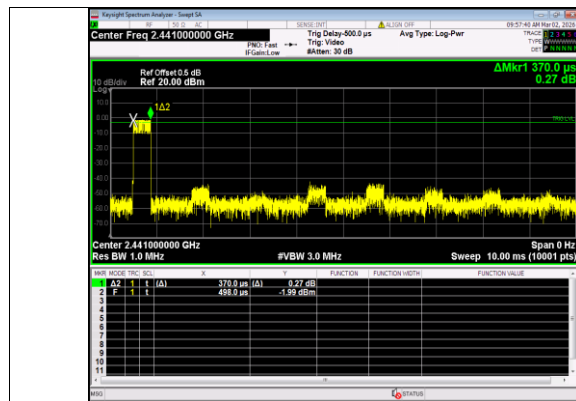
Appendix A: Test Results

Content

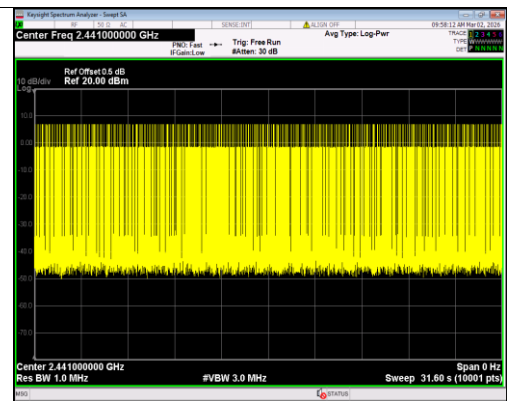
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Dwell Time

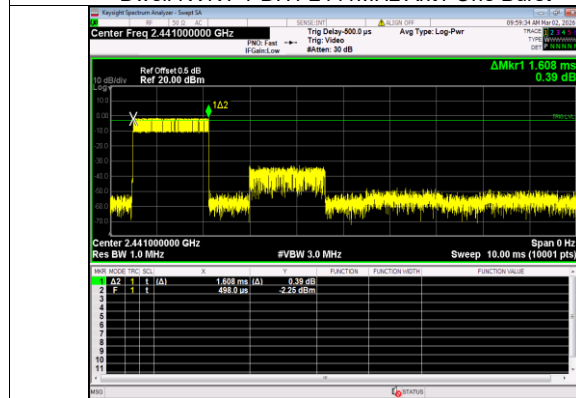
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH1	2441	Ant1	0.37	118.03	319	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.608	255.672	159	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.866	306.662	107	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.379	120.901	319	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.63	262.43	161	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.878	307.946	107	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.371	117.978	318	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.624	261.464	161	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.872	304.432	106	31600	400	Pass



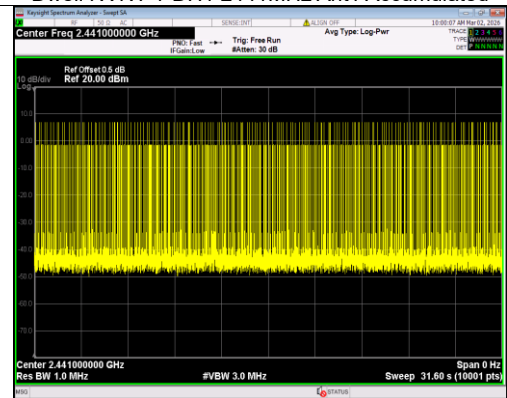
Dwell NVNT 1-DH1 2441MHz Ant1 One Burst



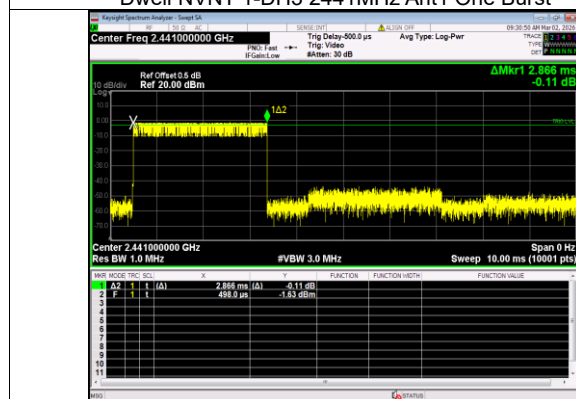
Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated



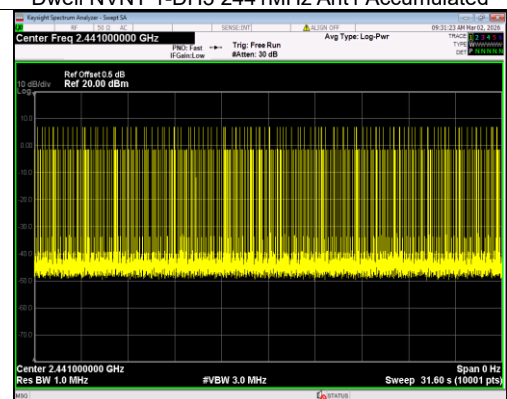
Dwell NVNT 1-DH3 2441MHz Ant1 One Burst



Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated



Dwell NVNT 1-DH5 2441MHz Ant1 One Burst



Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated



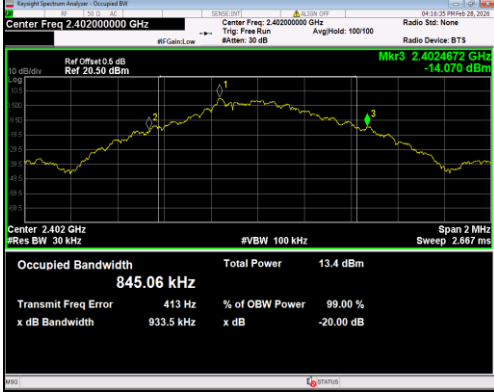
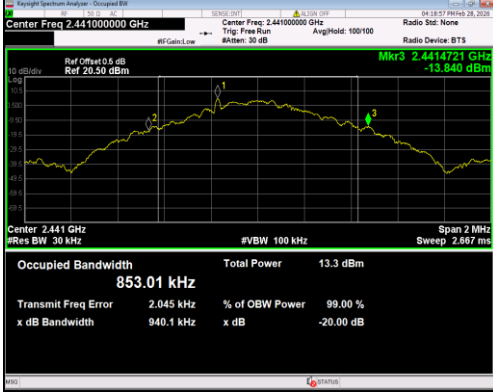
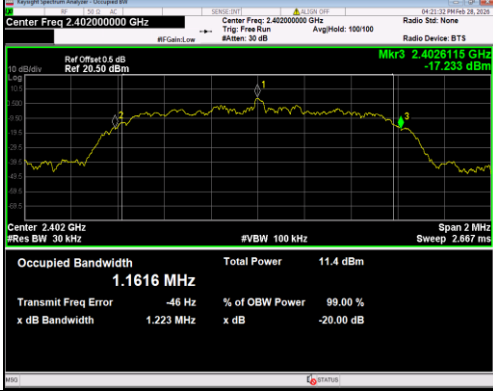
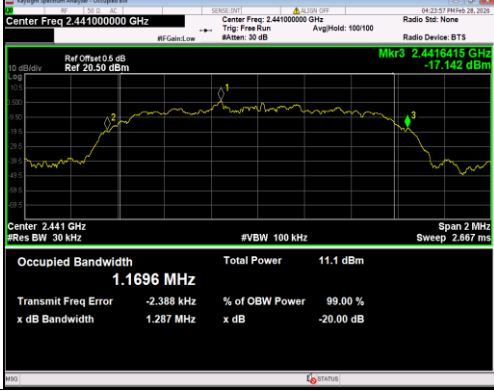
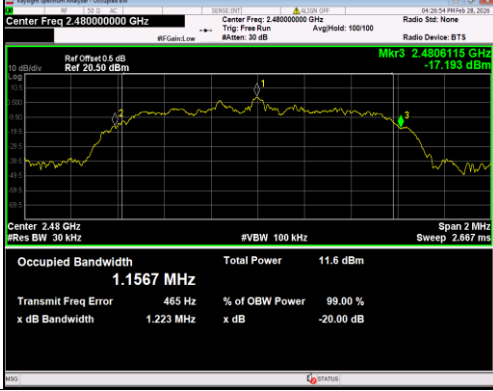


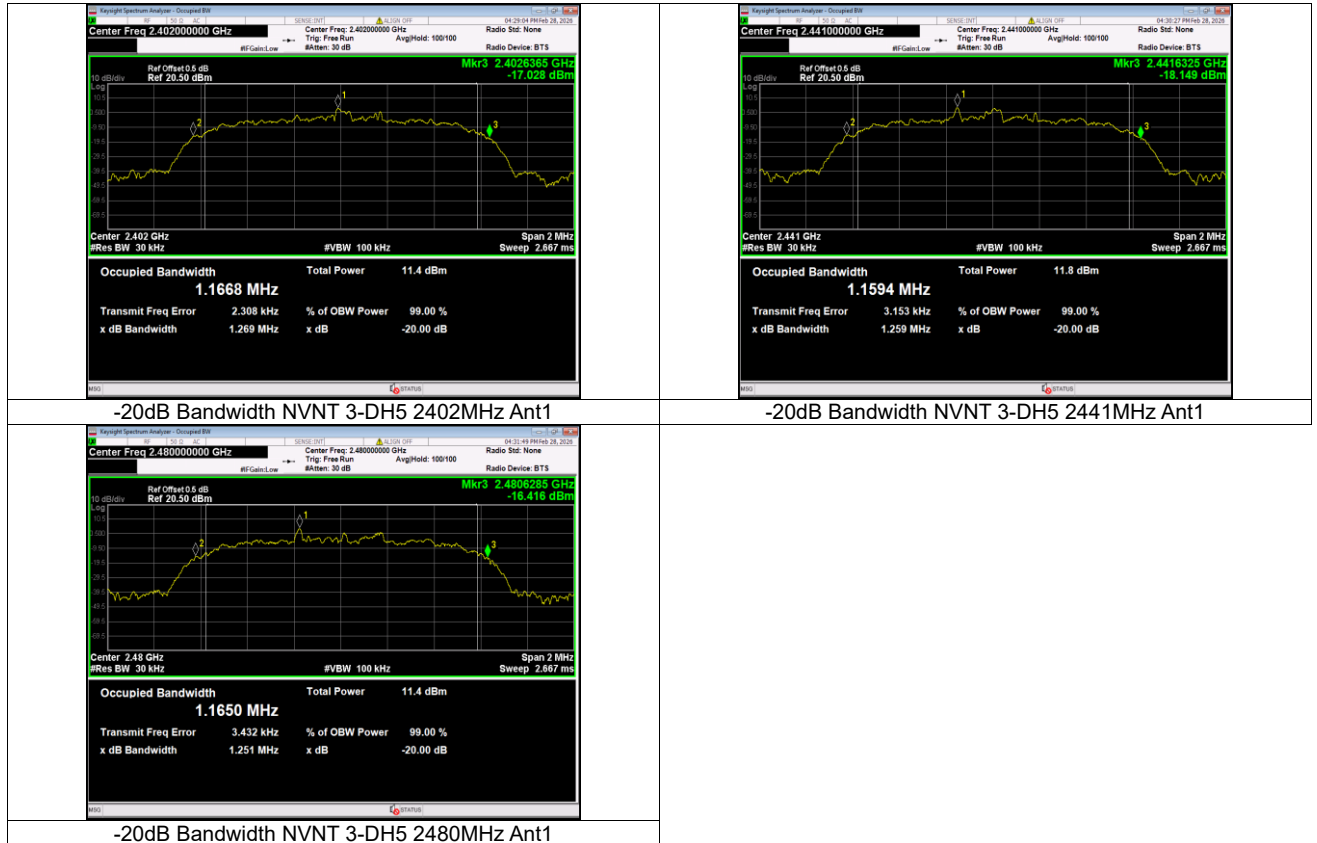
Maximum Peak Conducted Output Power

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	6.97	0	6.97	0.00498	2.3 8	9.35	0.008 61	30	36	Pass
NVNT	1- DH 5	2441	Ant1	7.06	0	7.06	0.00508	2.3 8	9.44	0.008 79	30	36	Pass
NVNT	1- DH 5	2480	Ant1	7.02	0	7.02	0.00504	2.3 8	9.4	0.008 71	30	36	Pass
NVNT	2- DH 5	2402	Ant1	6.88	0	6.88	0.00488	2.3 8	9.26	0.008 43	30	36	Pass
NVNT	2- DH 5	2441	Ant1	6.99	0	6.99	0.005	2.3 8	9.37	0.008 65	30	36	Pass
NVNT	2- DH 5	2480	Ant1	6.97	0	6.97	0.00498	2.3 8	9.35	0.008 61	30	36	Pass
NVNT	3- DH 5	2402	Ant1	7.05	0	7.05	0.00507	2.3 8	9.43	0.008 77	30	36	Pass
NVNT	3- DH 5	2441	Ant1	7.07	0	7.07	0.00509	2.3 8	9.45	0.008 81	30	36	Pass
NVNT	3- DH 5	2480	Ant1	7.11	0	7.11	0.00514	2.3 8	9.49	0.008 89	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	0.9335	0	Pass
NVNT	1-DH5	2441	Ant1	0.9401	0	Pass
NVNT	1-DH5	2480	Ant1	0.9306	0	Pass
NVNT	2-DH5	2402	Ant1	1.223	0	Pass
NVNT	2-DH5	2441	Ant1	1.287	0	Pass
NVNT	2-DH5	2480	Ant1	1.223	0	Pass
NVNT	3-DH5	2402	Ant1	1.269	0	Pass
NVNT	3-DH5	2441	Ant1	1.259	0	Pass
NVNT	3-DH5	2480	Ant1	1.251	0	Pass

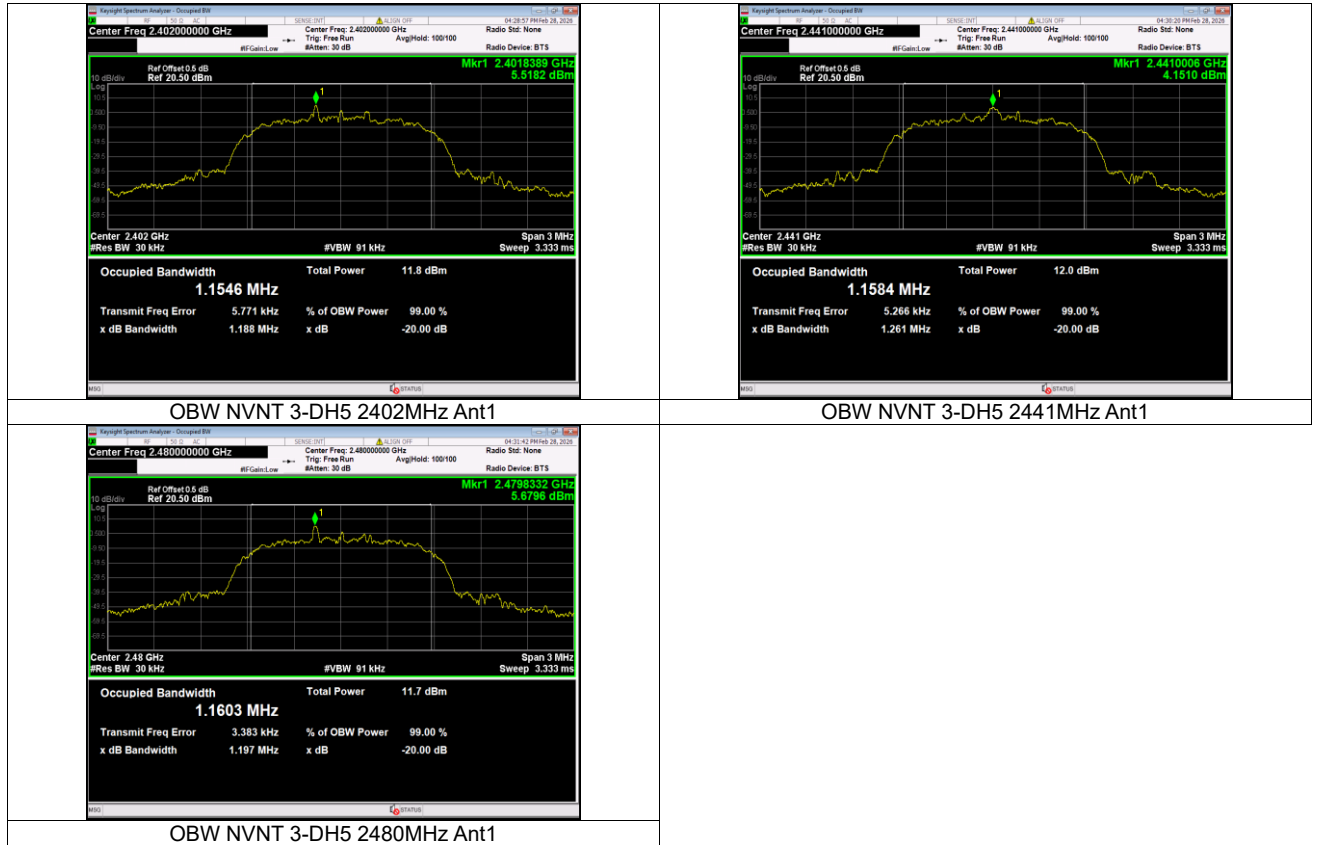
 -20dB Bandwidth NVNT 1-DH5 2402MHz Ant1	 -20dB Bandwidth NVNT 1-DH5 2441MHz Ant1
 -20dB Bandwidth NVNT 1-DH5 2480MHz Ant1	 -20dB Bandwidth NVNT 2-DH5 2402MHz Ant1
 -20dB Bandwidth NVNT 2-DH5 2441MHz Ant1	 -20dB Bandwidth NVNT 2-DH5 2480MHz Ant1



Occupied Channel Bandwidth

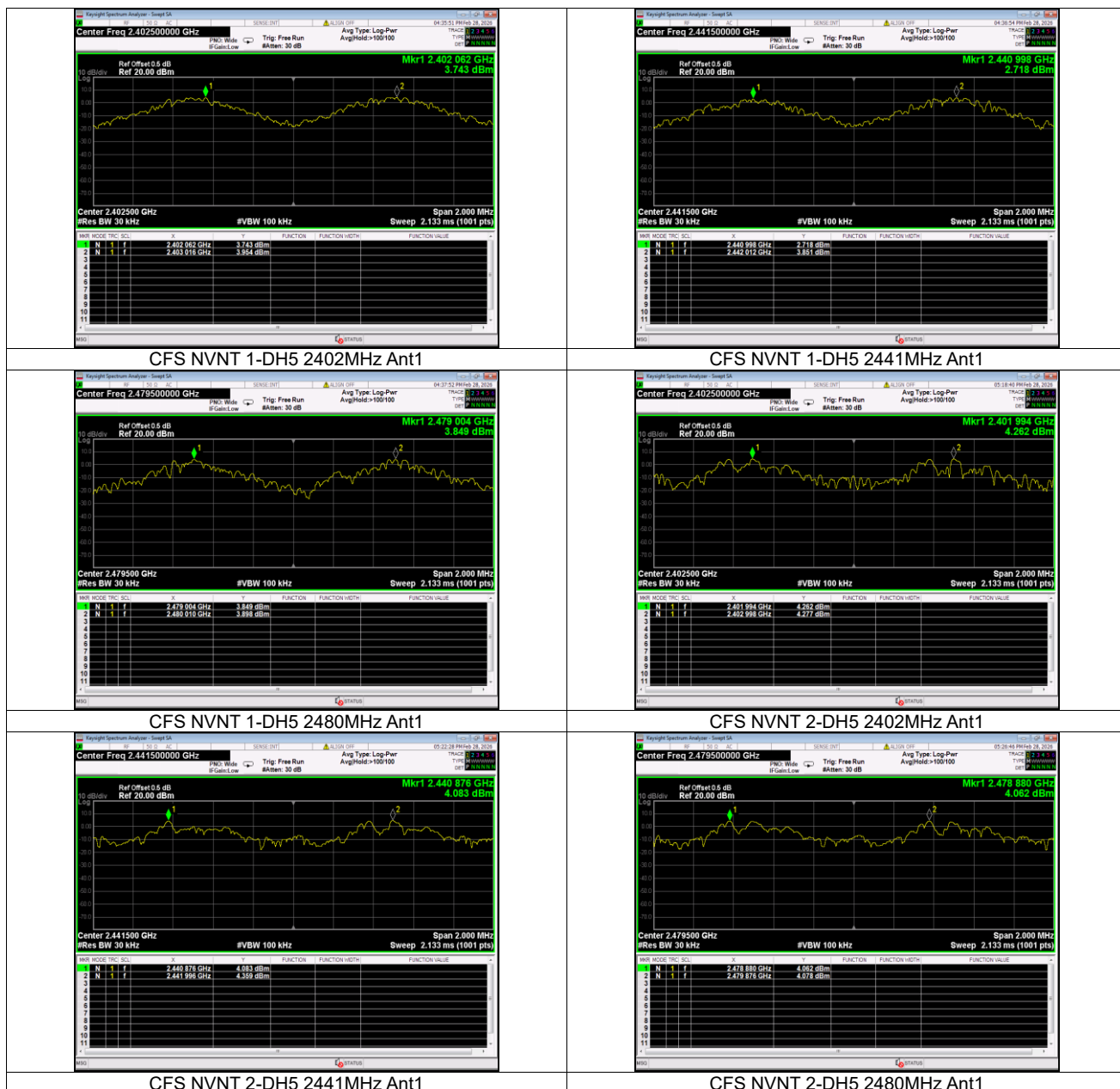
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.83265
NVNT	1-DH5	2441	Ant1	0.85749
NVNT	1-DH5	2480	Ant1	0.85417
NVNT	2-DH5	2402	Ant1	1.167
NVNT	2-DH5	2441	Ant1	1.1542
NVNT	2-DH5	2480	Ant1	1.1755
NVNT	3-DH5	2402	Ant1	1.1546
NVNT	3-DH5	2441	Ant1	1.1584
NVNT	3-DH5	2480	Ant1	1.1603

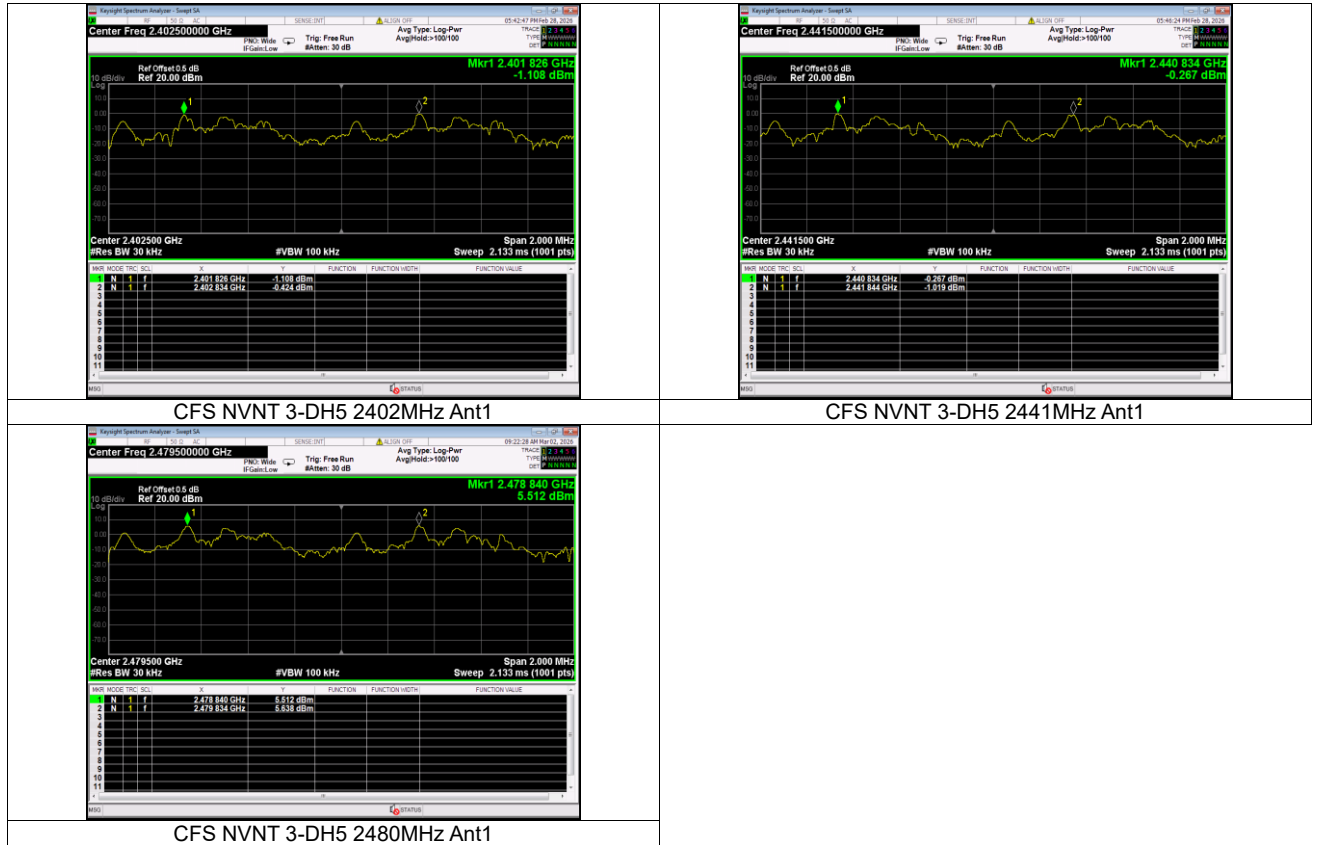




Carrier Frequencies Separation

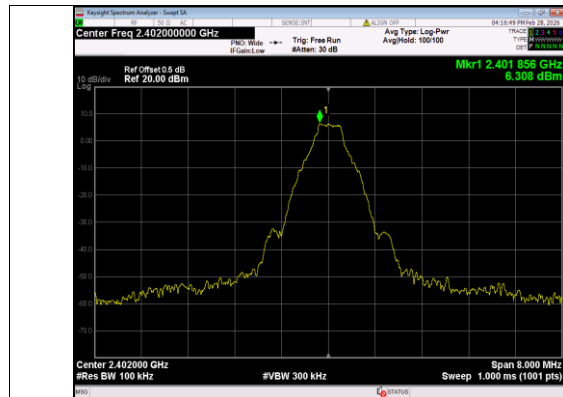
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2402.062	2403.016	0.954	0.622	Pass
NVNT	1-DH5	Ant1	2440.998	2442.012	1.014	0.627	Pass
NVNT	1-DH5	Ant1	2479.004	2480.01	1.006	0.62	Pass
NVNT	2-DH5	Ant1	2401.994	2402.998	1.004	0.815	Pass
NVNT	2-DH5	Ant1	2440.876	2441.996	1.12	0.858	Pass
NVNT	2-DH5	Ant1	2478.88	2479.876	0.996	0.815	Pass
NVNT	3-DH5	Ant1	2401.826	2402.834	1.008	0.846	Pass
NVNT	3-DH5	Ant1	2440.834	2441.844	1.01	0.839	Pass
NVNT	3-DH5	Ant1	2478.84	2479.834	0.994	0.834	Pass



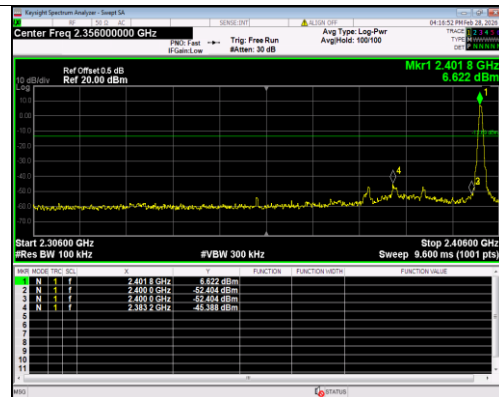


Band Edge

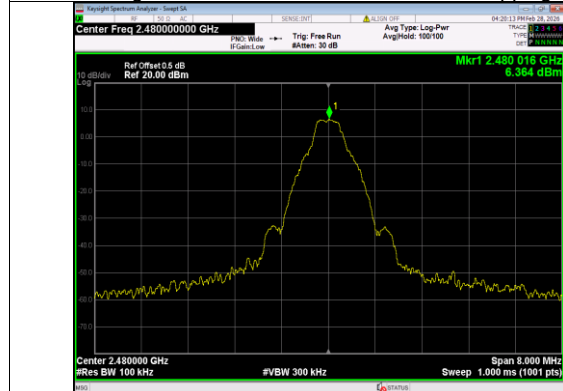
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-51.69	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-53.31	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-53.7	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-54.11	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-54.95	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-54.68	-20	Pass



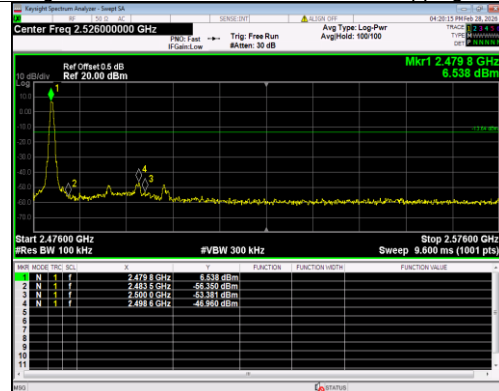
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



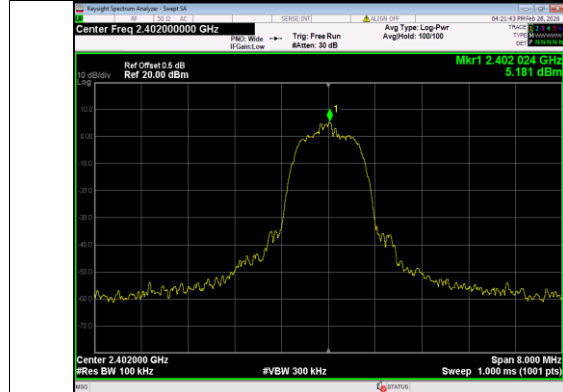
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



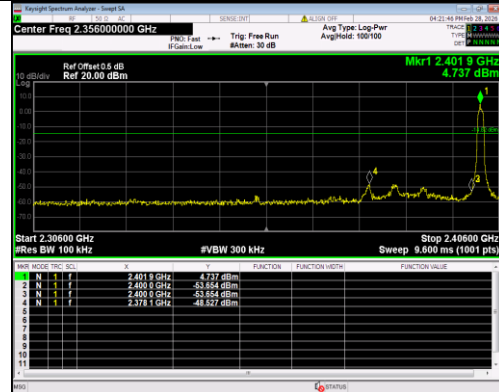
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



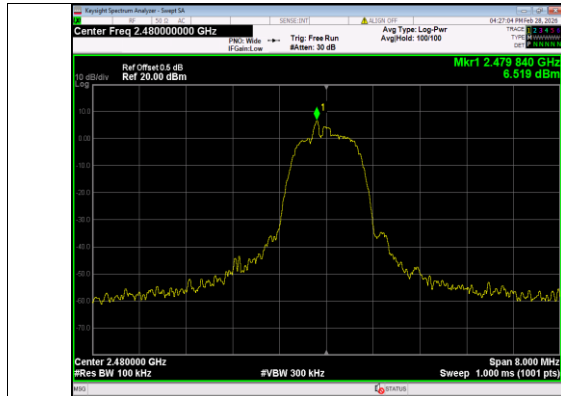
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



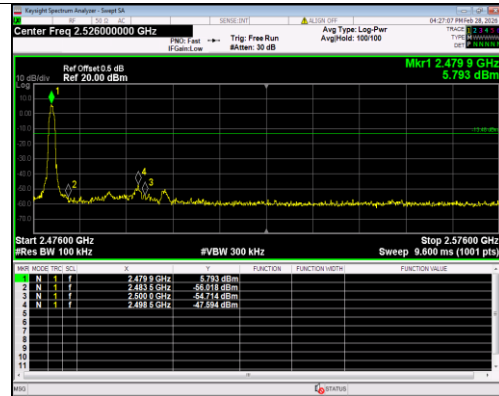
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



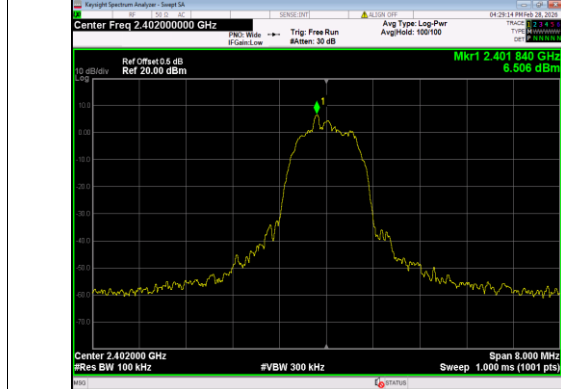
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



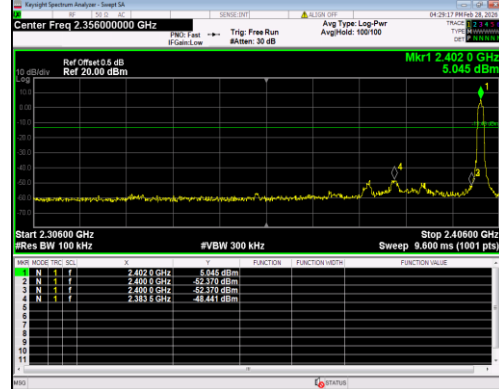
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Ref



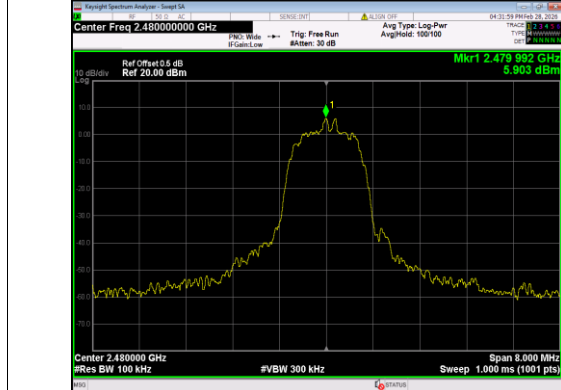
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



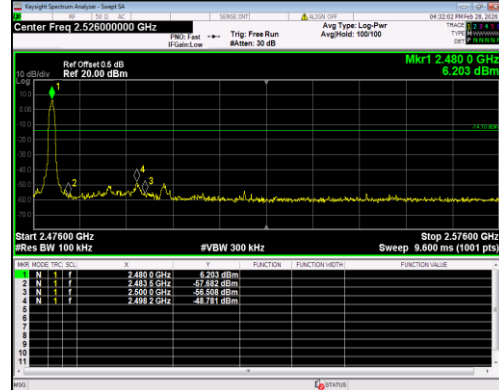
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



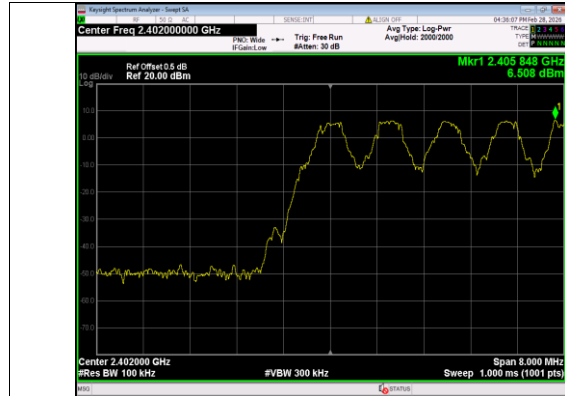
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



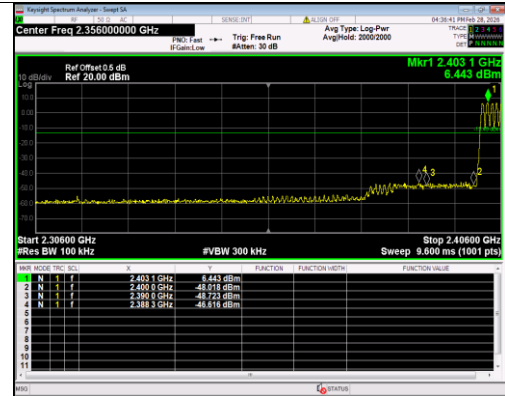
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

Band Edge(Hopping)

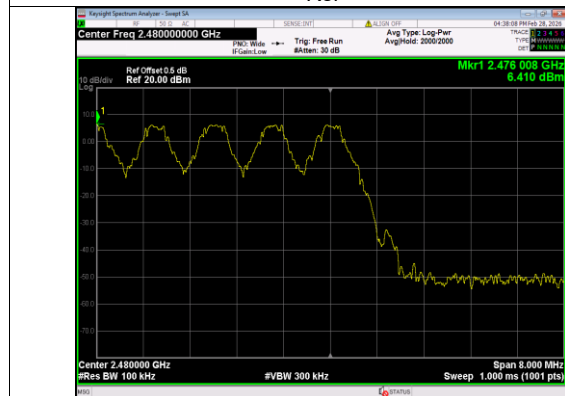
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-53.12	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-53.6	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-53.43	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-52.07	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-53.8	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-54.6	-20	Pass



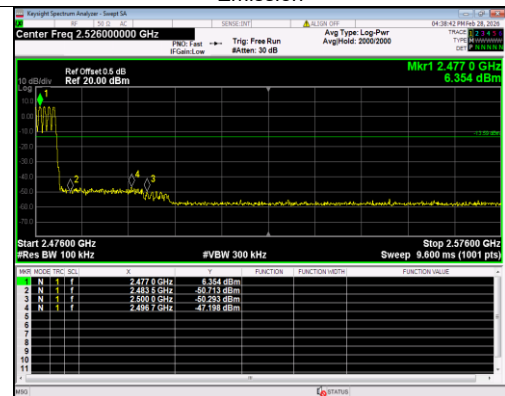
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



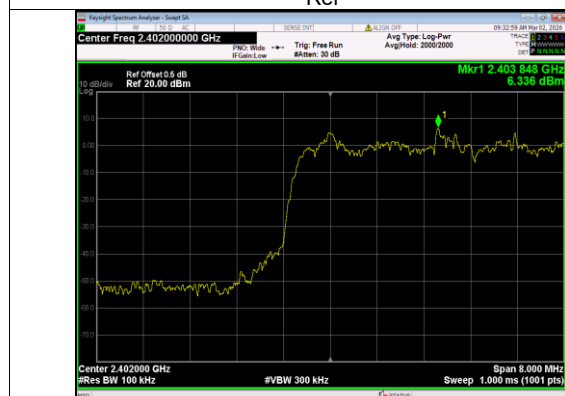
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



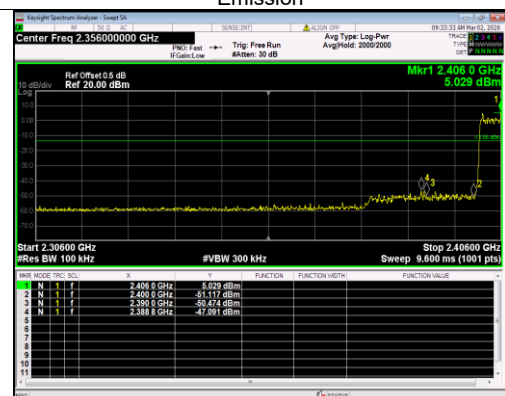
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



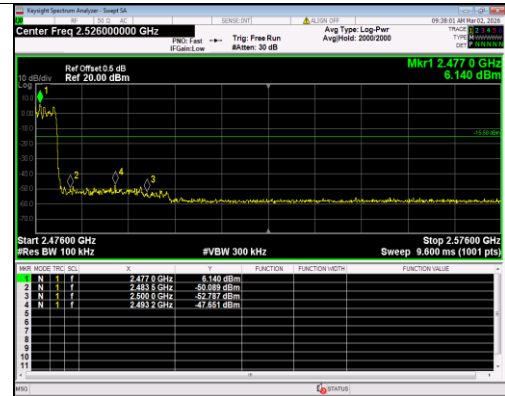
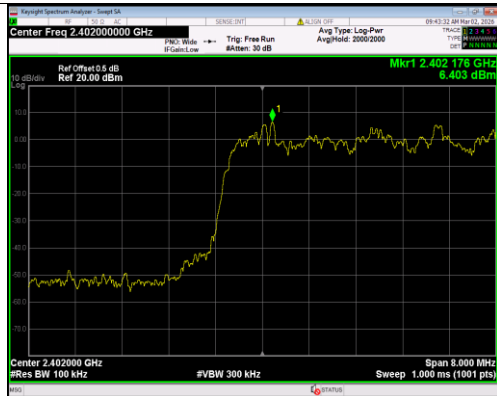
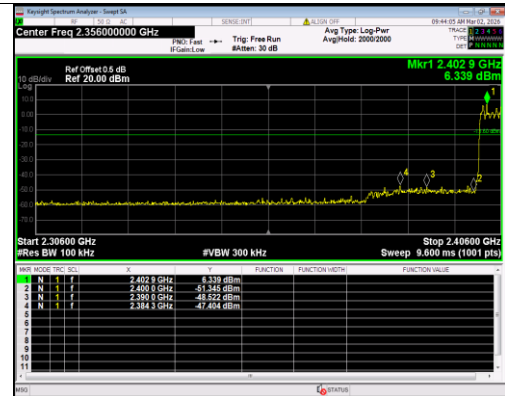
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Emission

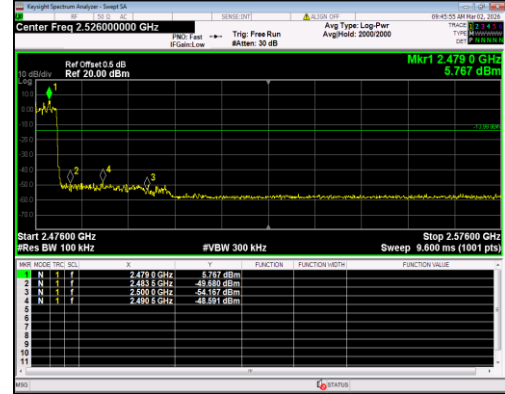


Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



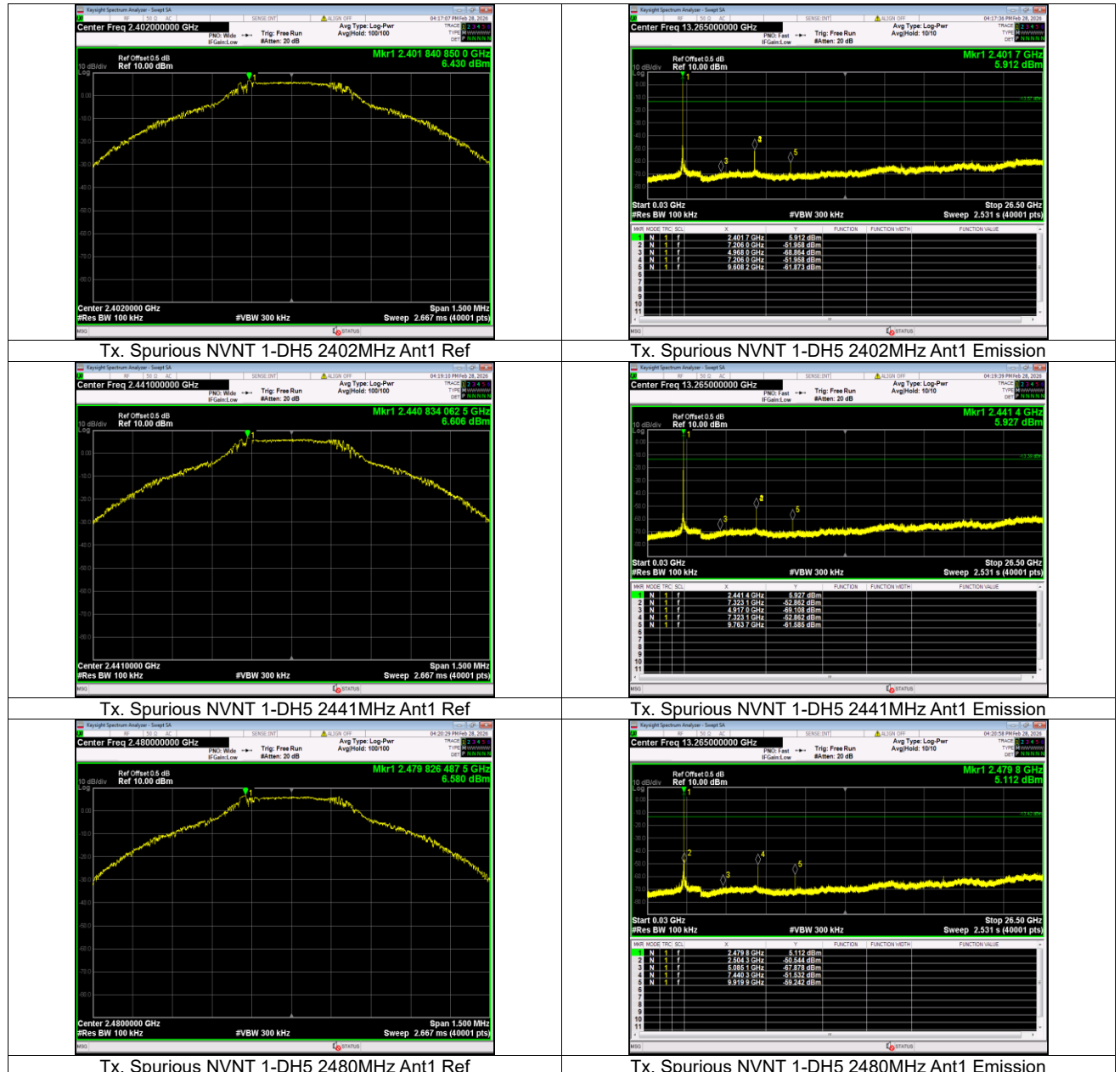
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Emission

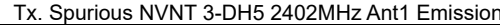
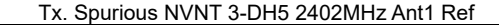
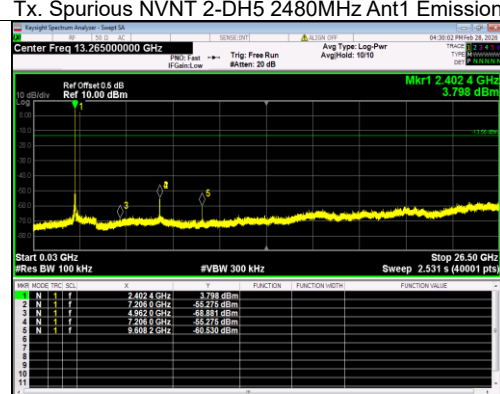
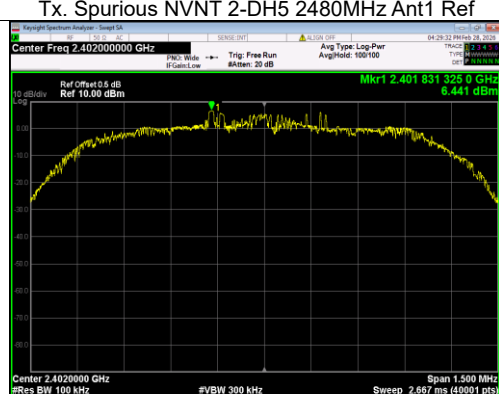
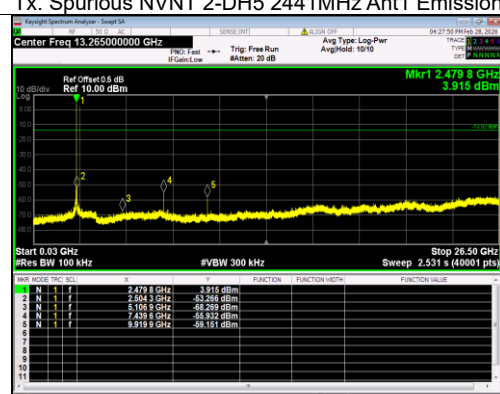
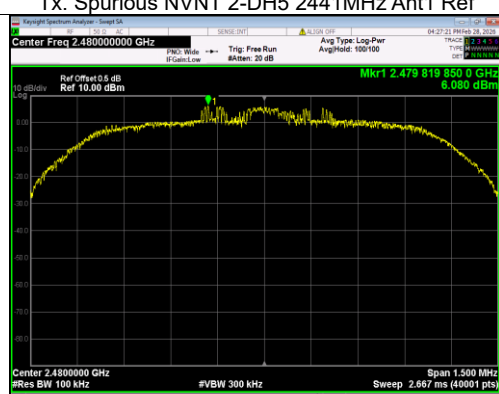
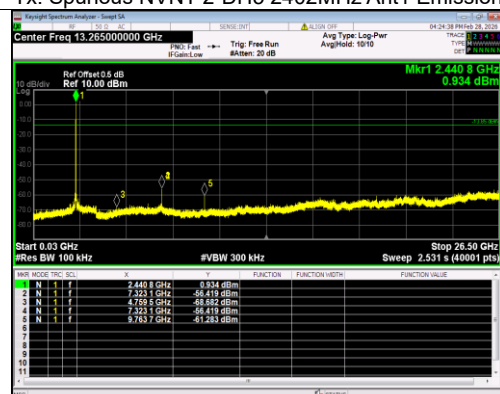
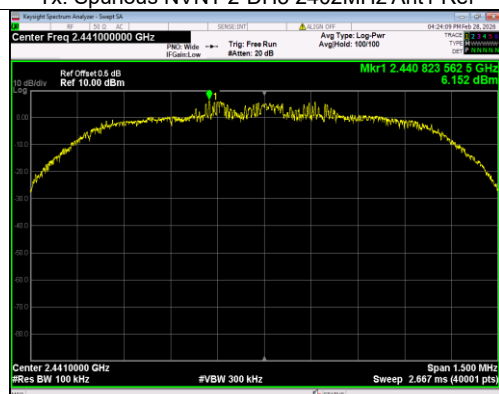
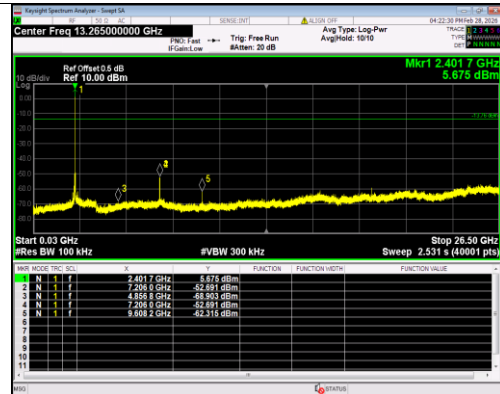
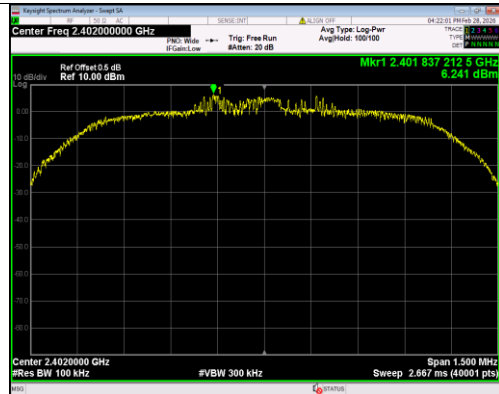

Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping
Ref

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

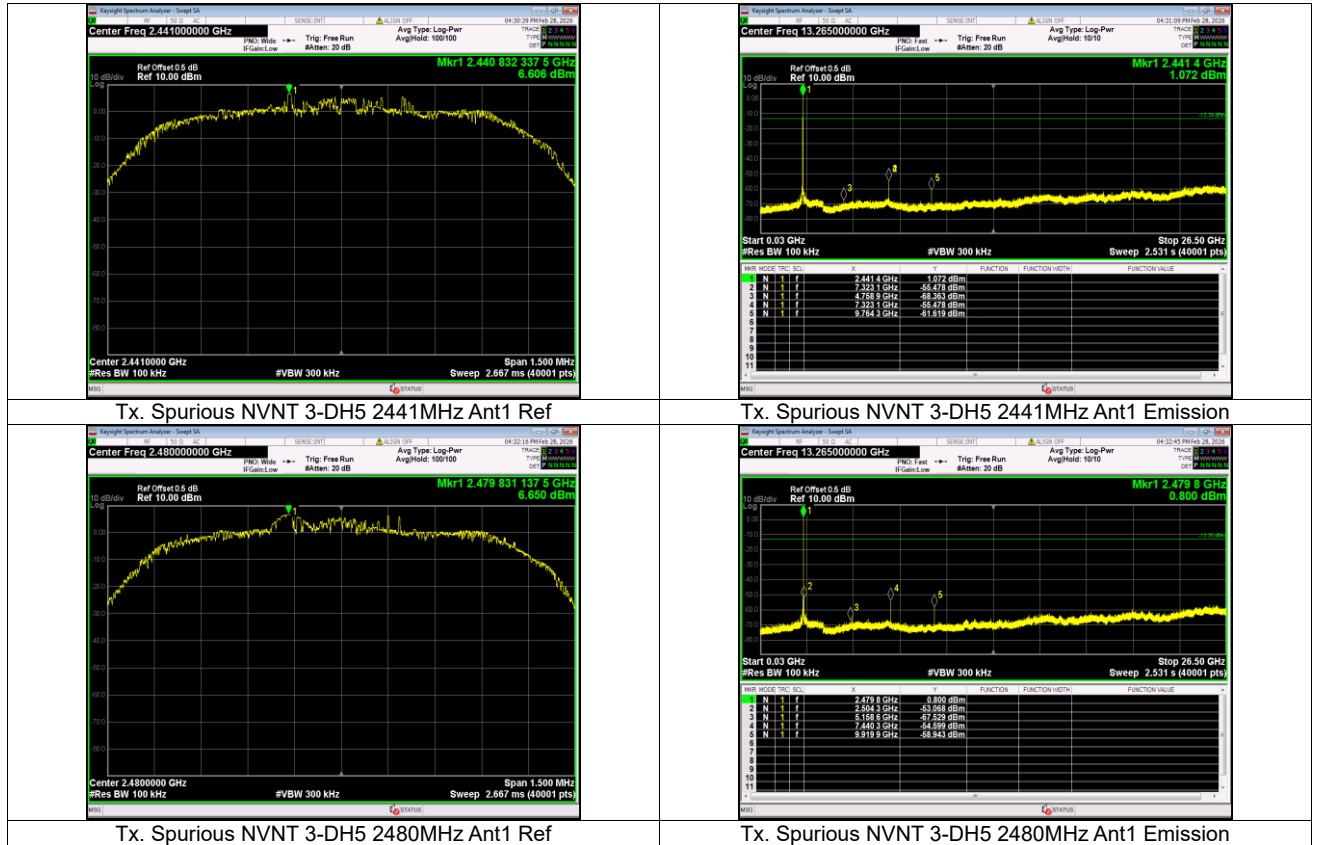
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping
Ref

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	-58.38	-20	Pass
NVNT	1-DH5	2441	Ant1	-59.47	-20	Pass
NVNT	1-DH5	2480	Ant1	-57.12	-20	Pass
NVNT	2-DH5	2402	Ant1	-58.93	-20	Pass
NVNT	2-DH5	2441	Ant1	-62.56	-20	Pass
NVNT	2-DH5	2480	Ant1	-59.34	-20	Pass
NVNT	3-DH5	2402	Ant1	-61.71	-20	Pass
NVNT	3-DH5	2441	Ant1	-62.08	-20	Pass
NVNT	3-DH5	2480	Ant1	-59.71	-20	Pass



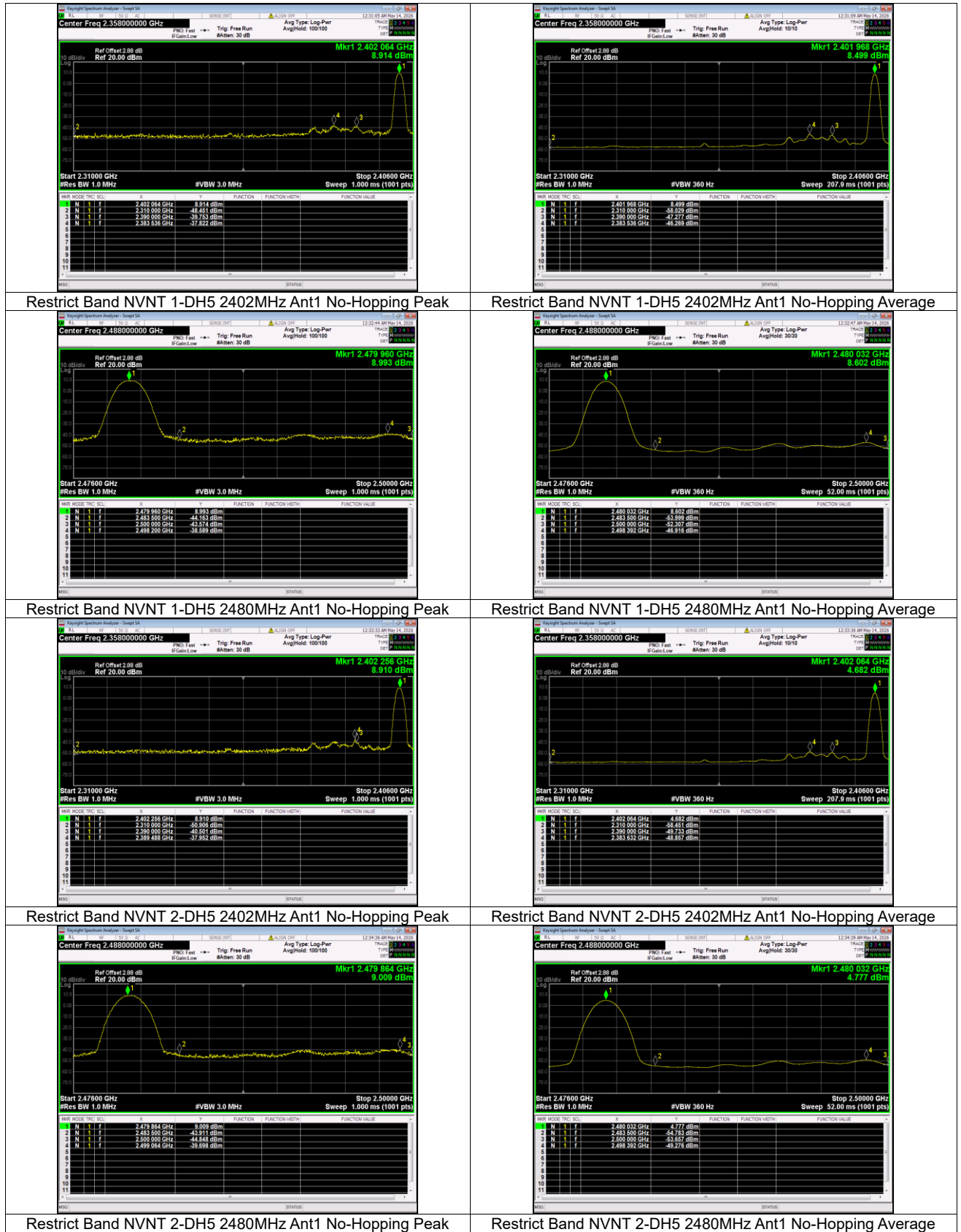


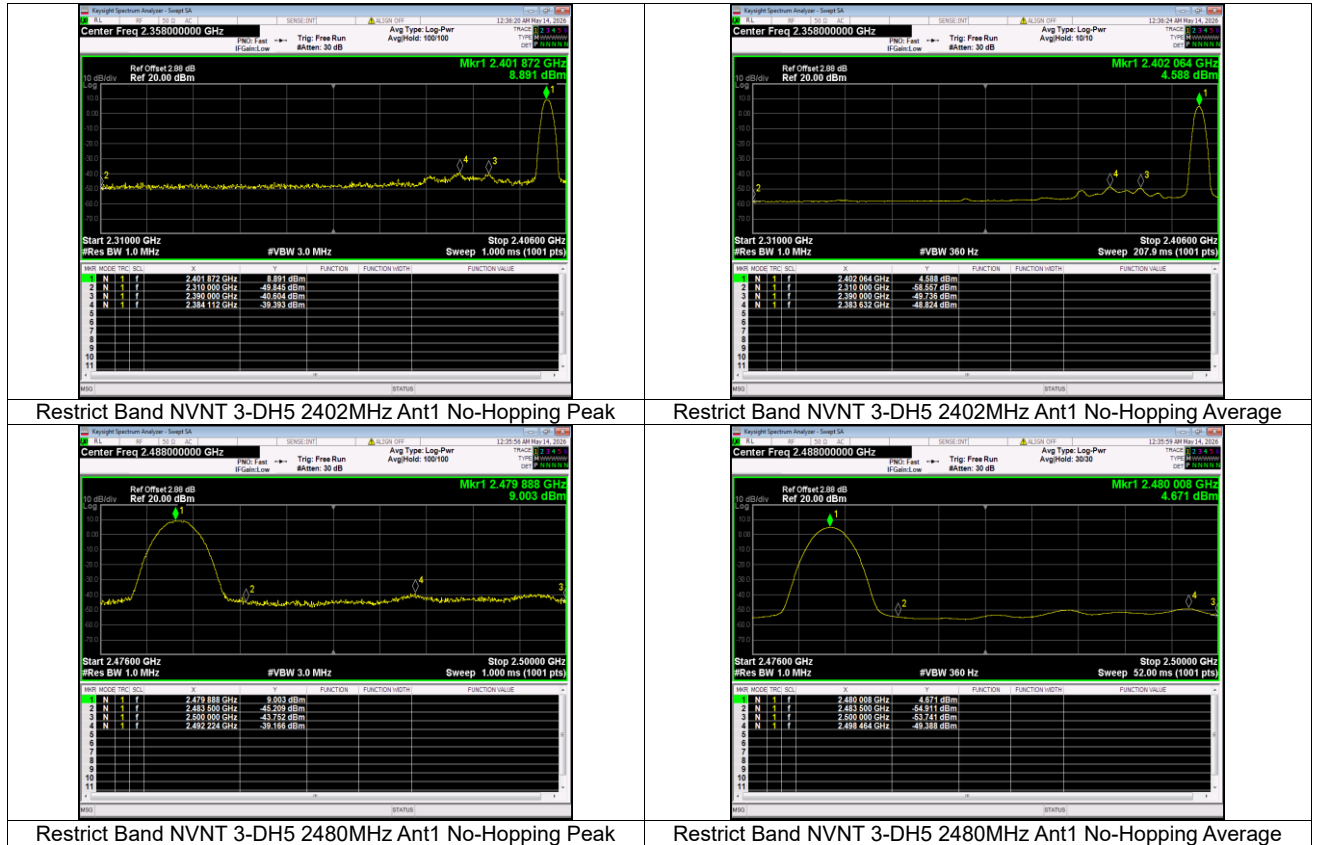


Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-48.45	2.38	46.81	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-58.02	2.38	37.24	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2383.536	-37.82	2.38	57.44	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2383.536	-46.26	2.38	49	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-39.5	2.38	55.76	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-47.44	2.38	47.82	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-44.16	2.38	51.1	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-53.99	2.38	41.27	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2498.2	-38.58	2.38	56.68	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2498.392	-46.91	2.38	48.35	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-43.57	2.38	51.69	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-52.3	2.38	42.96	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-50.9	2.38	44.36	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-58.45	2.38	36.81	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2389.488	-37.95	2.38	57.31	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2383.632	-48.85	2.38	46.41	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-40.51	2.38	54.75	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-49.91	2.38	45.35	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-43.91	2.38	51.35	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-54.78	2.38	40.48	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2499.064	-39.69	2.38	55.57	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2498.392	-49.27	2.38	45.99	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-44.84	2.38	50.42	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-53.65	2.38	41.61	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-49.84	2.38	45.42	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-58.55	2.38	36.71	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2384.112	-39.39	2.38	55.87	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2383.632	-48.82	2.38	46.44	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-39.46	2.38	55.8	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.82	2.38	45.44	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-45.2	2.38	50.06	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-54.91	2.38	40.35	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2492.224	-39.16	2.38	56.1	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2498.464	-49.38	2.38	45.88	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-43.75	2.38	51.51	Peak	74	Pass

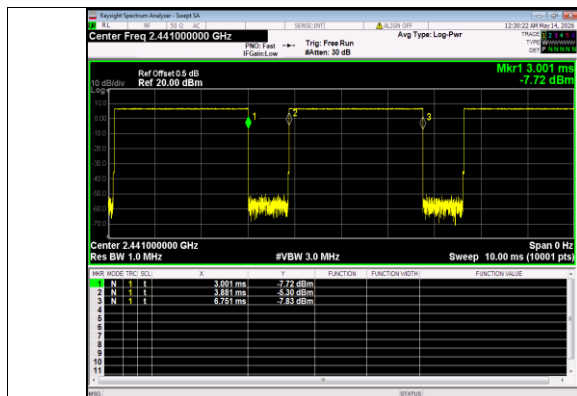
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-53.74	2.38	41.52	Average	54	Pass
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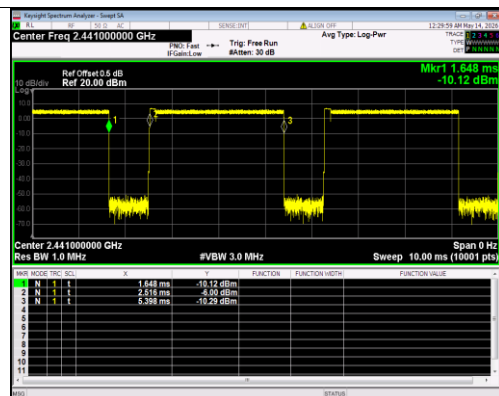


Duty Cycle

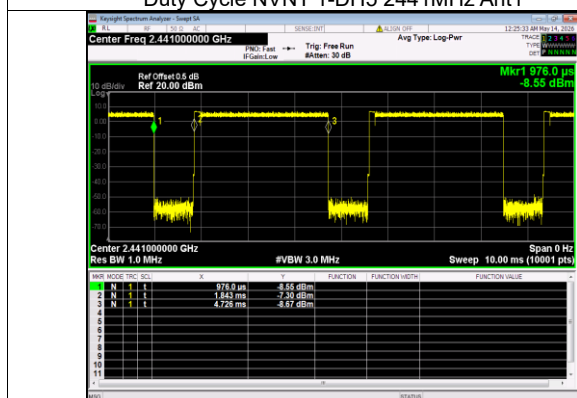
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2441	Ant1	76.53	1.16	0.35
NVNT	2-DH5	2441	Ant1	76.85	1.14	0.35
NVNT	3-DH5	2441	Ant1	76.88	1.14	0.35



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

