

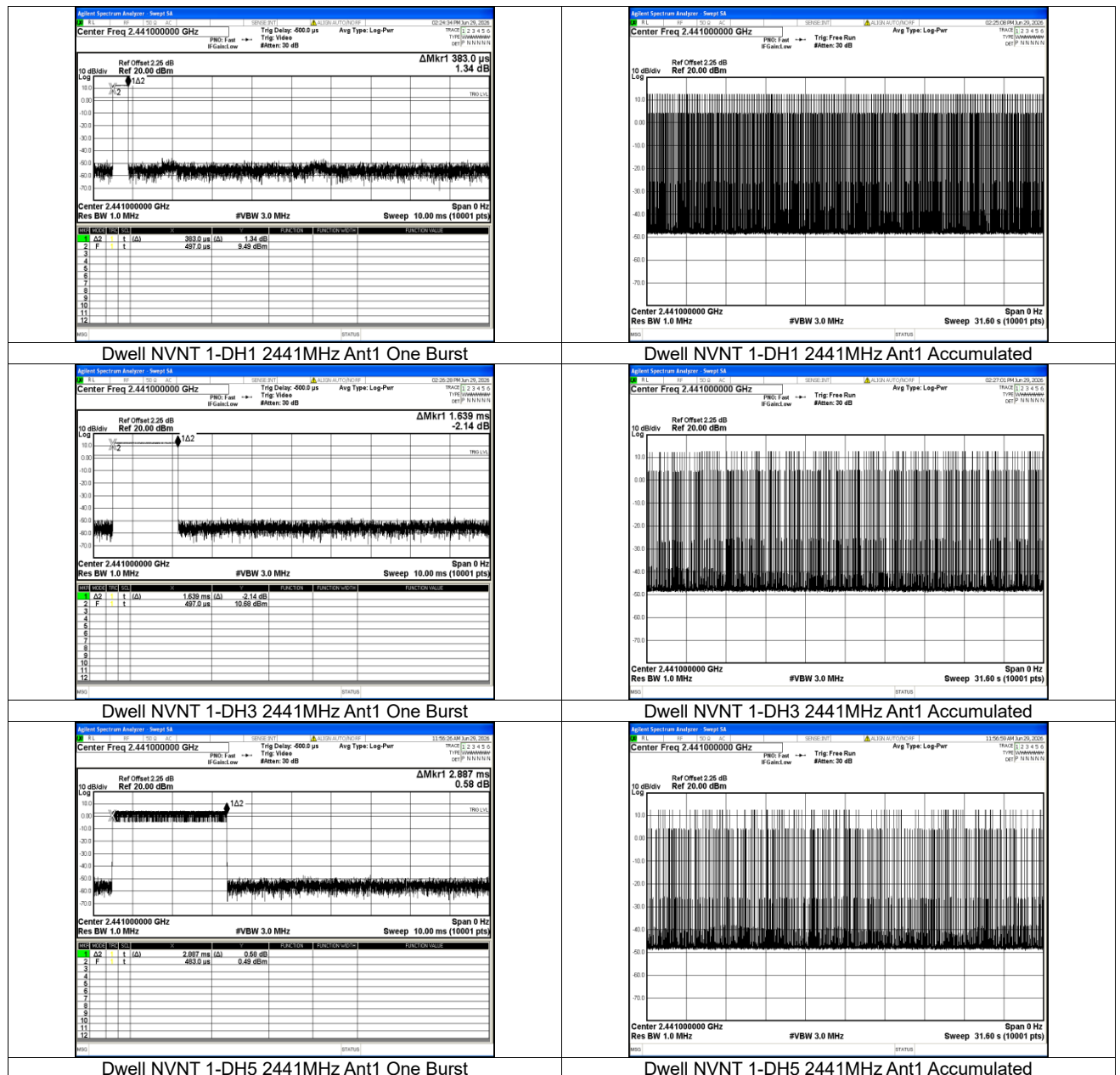
Appendix A: Test Results

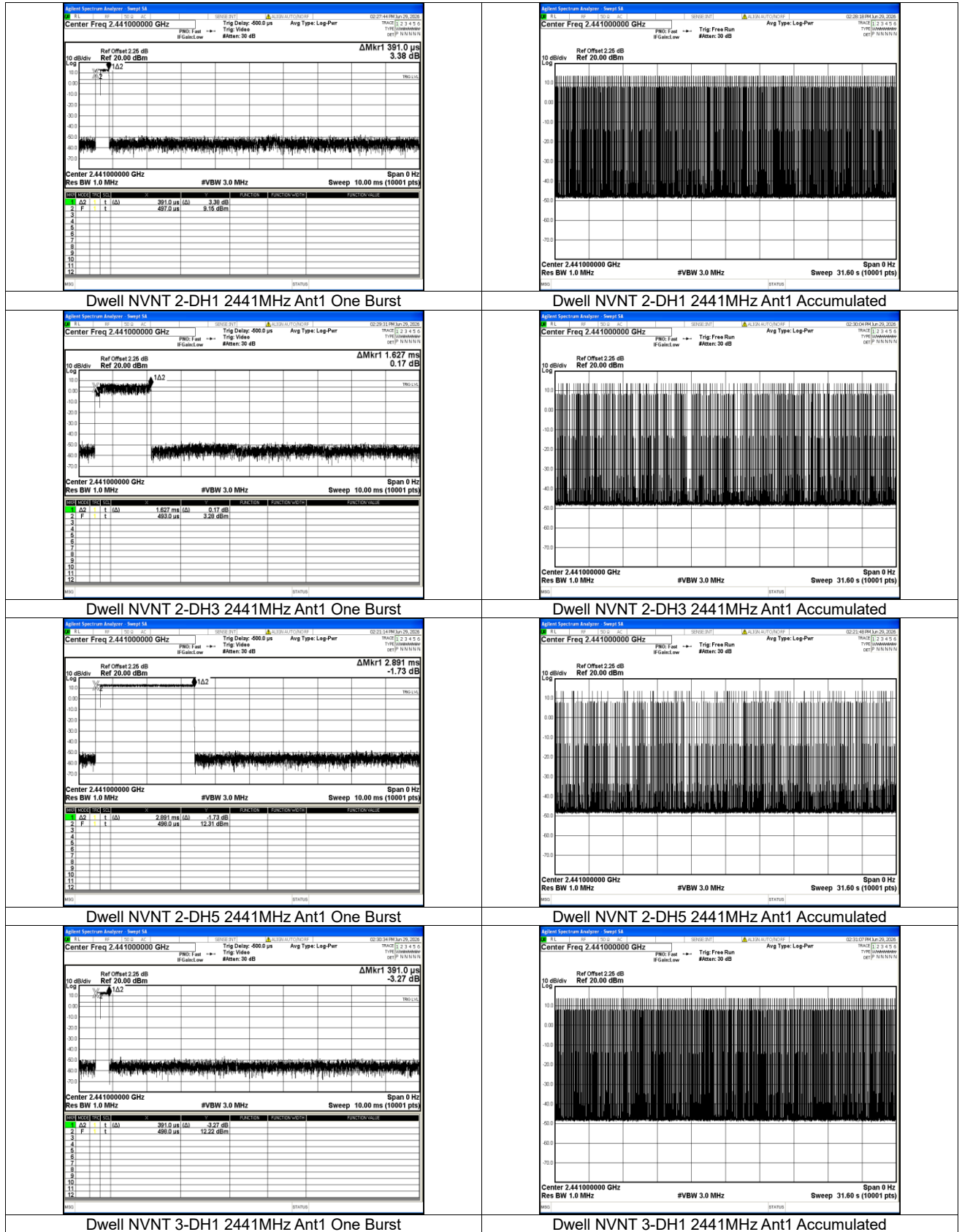
Content

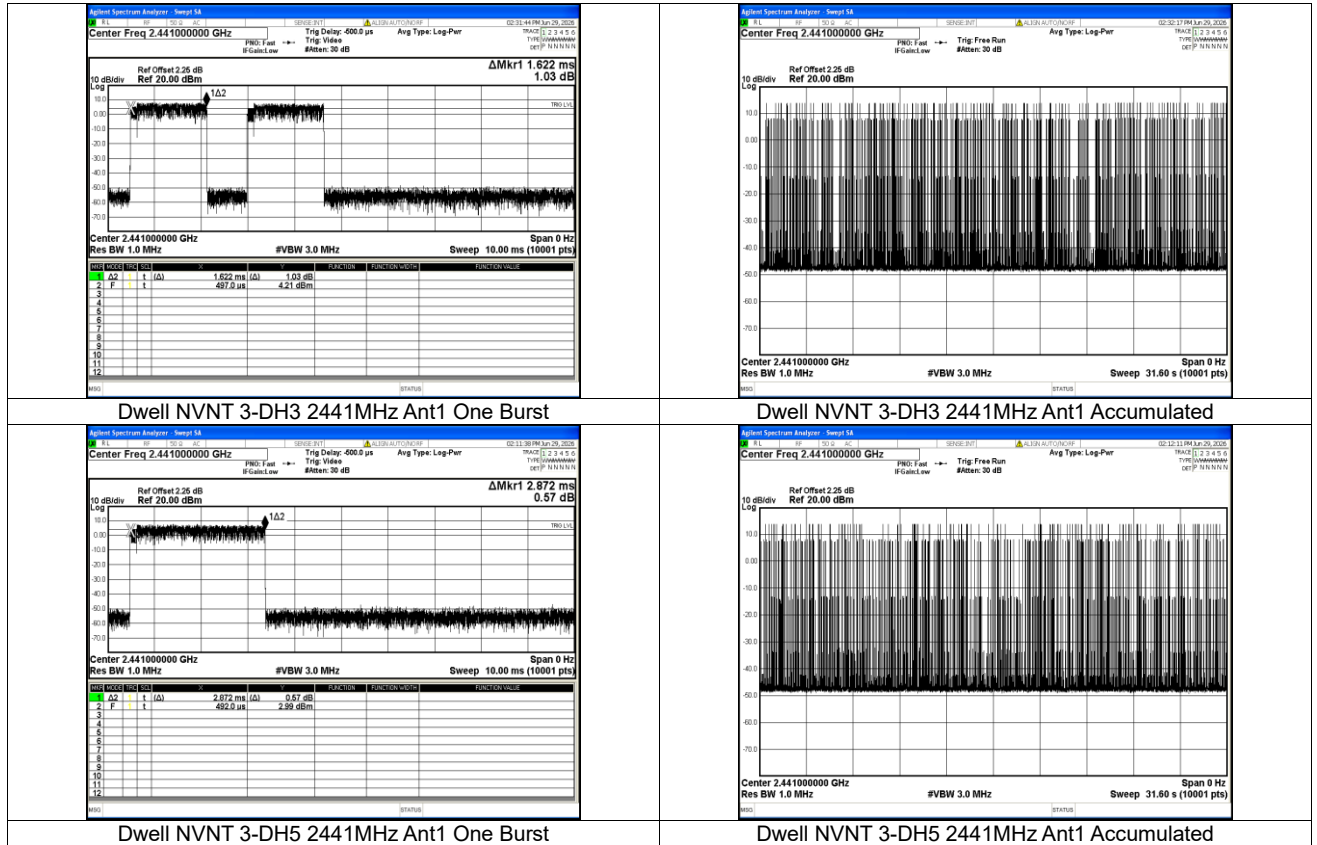
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NUMBER OF HOPPING CHANNEL	24

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	0.383	119.496	312	31600	400	Pass
NVNT	1-DH3	2441	Ant1	1.639	267.157	163	31600	400	Pass
NVNT	1-DH5	2441	Ant1	2.887	320.457	111	31600	400	Pass
NVNT	2-DH1	2441	Ant1	0.391	124.338	318	31600	400	Pass
NVNT	2-DH3	2441	Ant1	1.627	261.947	161	31600	400	Pass
NVNT	2-DH5	2441	Ant1	2.891	283.318	98	31600	400	Pass
NVNT	3-DH1	2441	Ant1	0.391	121.992	312	31600	400	Pass
NVNT	3-DH3	2441	Ant1	1.622	236.812	146	31600	400	Pass
NVNT	3-DH5	2441	Ant1	2.872	321.664	112	31600	400	Pass

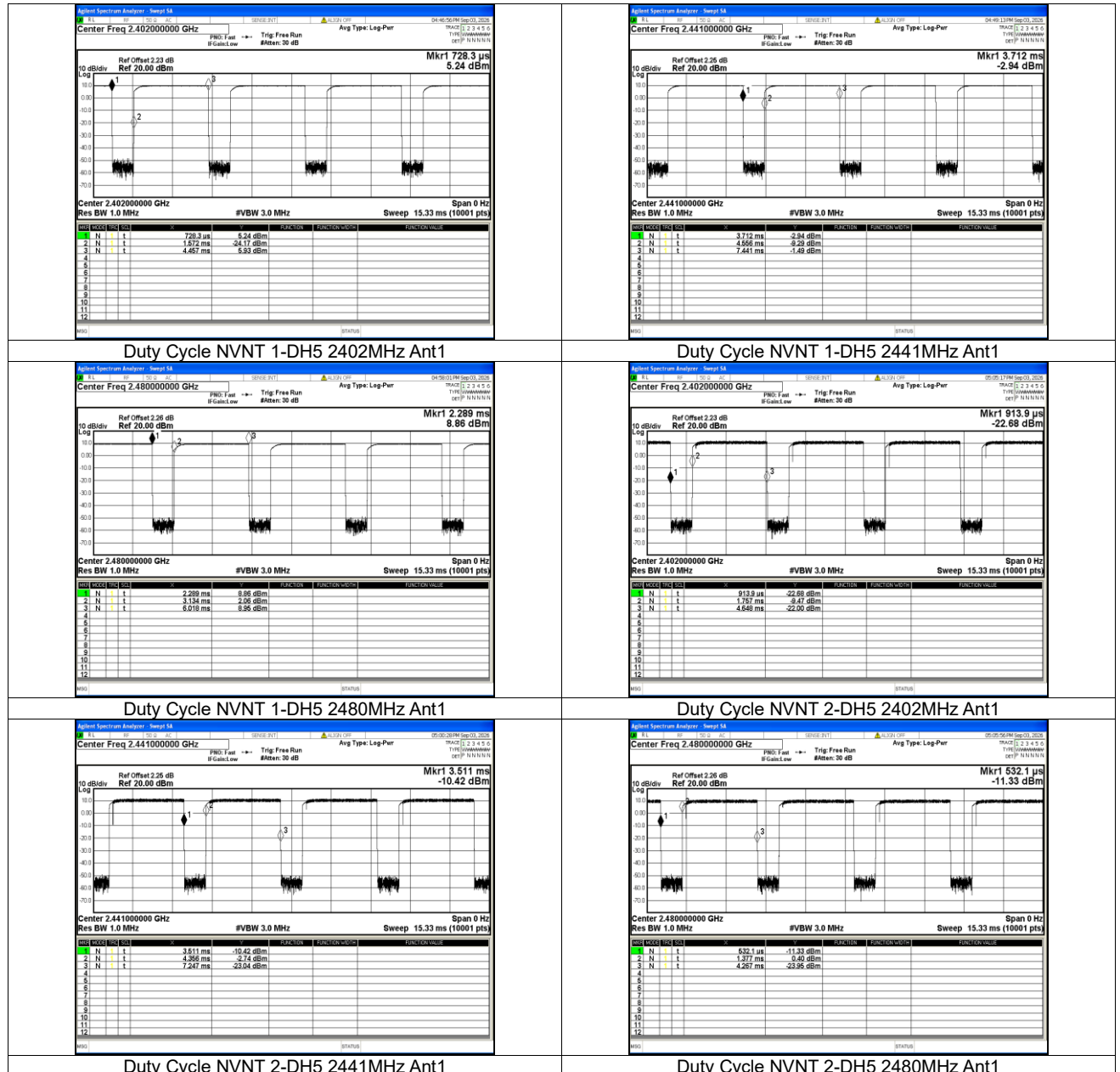






Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant1	77.38	1.11	0.35
NVNT	1-DH5	2441	Ant1	77.38	1.11	0.35
NVNT	1-DH5	2480	Ant1	77.34	1.12	0.35
NVNT	2-DH5	2402	Ant1	77.41	1.11	0.35
NVNT	2-DH5	2441	Ant1	77.38	1.11	0.35
NVNT	2-DH5	2480	Ant1	77.38	1.11	0.35
NVNT	3-DH5	2402	Ant1	77.39	1.11	0.35
NVNT	3-DH5	2441	Ant1	77.39	1.11	0.35
NVNT	3-DH5	2480	Ant1	77.39	1.11	0.35





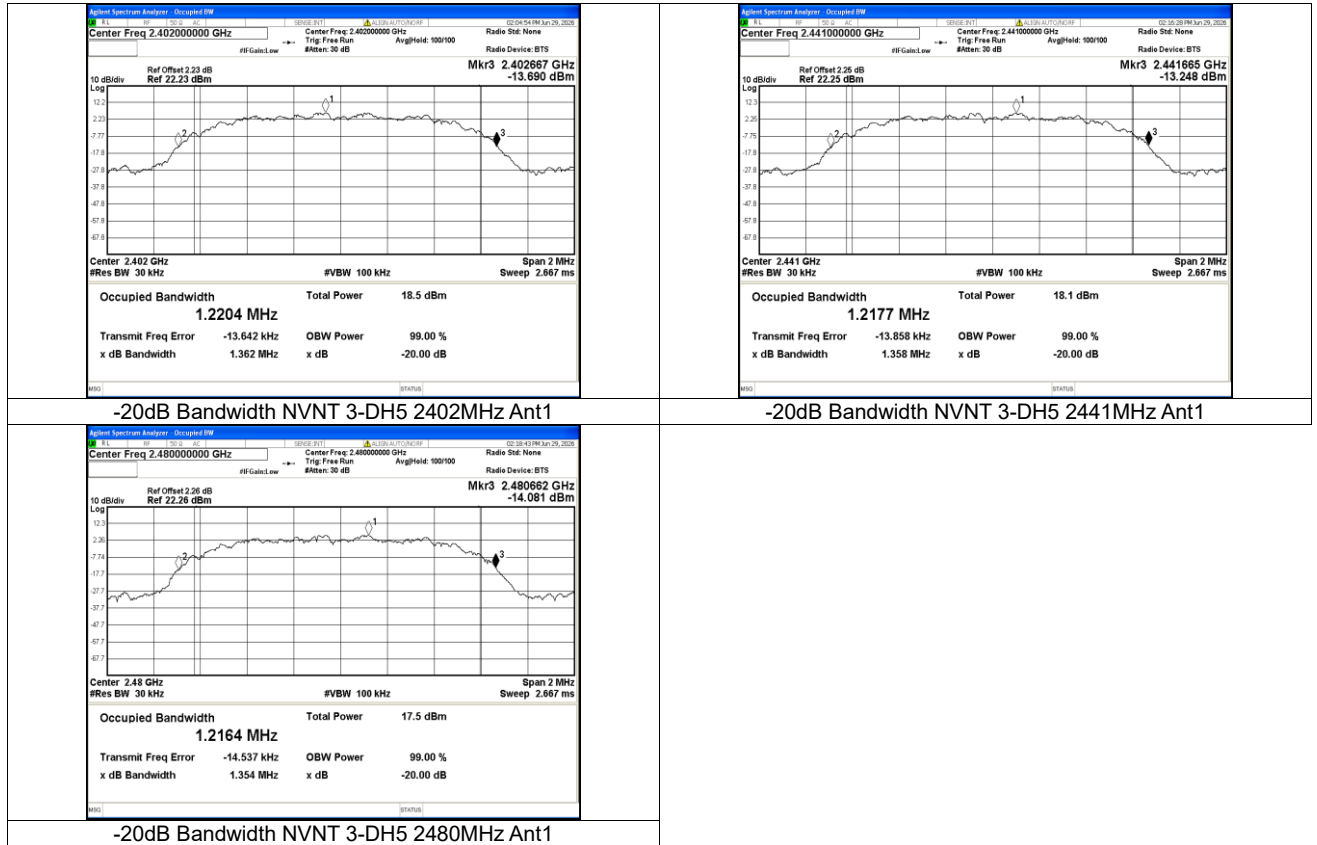
Maximum Peak Conducted Output Power

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	13.79	NaN	13.79	0.02393	3.9 9	17.7 8	0.059 98	30	36	Pass
NVNT	1- DH 5	2441	Ant1	10.62	NaN	10.62	0.01153	3.9 9	14.6 1	0.028 91	30	36	Pass
NVNT	1- DH 5	2480	Ant1	9.78	NaN	9.78	0.00951	3.9 9	13.7 7	0.023 82	30	36	Pass
NVNT	2- DH 5	2402	Ant1	13.82	NaN	13.82	0.0241	3.9 9	17.8 1	0.060 39	30	36	Pass
NVNT	2- DH 5	2441	Ant1	13.6	NaN	13.6	0.02291	3.9 9	17.5 9	0.057 41	30	36	Pass
NVNT	2- DH 5	2480	Ant1	13.07	NaN	13.07	0.02028	3.9 9	17.0 6	0.050 82	30	36	Pass
NVNT	3- DH 5	2402	Ant1	14.03	NaN	14.03	0.02529	3.9 9	18.0 2	0.063 39	30	36	Pass
NVNT	3- DH 5	2441	Ant1	13.83	NaN	13.83	0.02415	3.9 9	17.8 2	0.060 53	30	36	Pass
NVNT	3- DH 5	2480	Ant1	13.32	NaN	13.32	0.02148	3.9 9	17.3 1	0.053 83	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	1.1	0	Pass
NVNT	1-DH5	2441	Ant1	0.9605	0	Pass
NVNT	1-DH5	2480	Ant1	0.9597	0	Pass
NVNT	2-DH5	2402	Ant1	1.385	0	Pass
NVNT	2-DH5	2441	Ant1	1.383	0	Pass
NVNT	2-DH5	2480	Ant1	1.373	0	Pass
NVNT	3-DH5	2402	Ant1	1.362	0	Pass
NVNT	3-DH5	2441	Ant1	1.358	0	Pass
NVNT	3-DH5	2480	Ant1	1.354	0	Pass

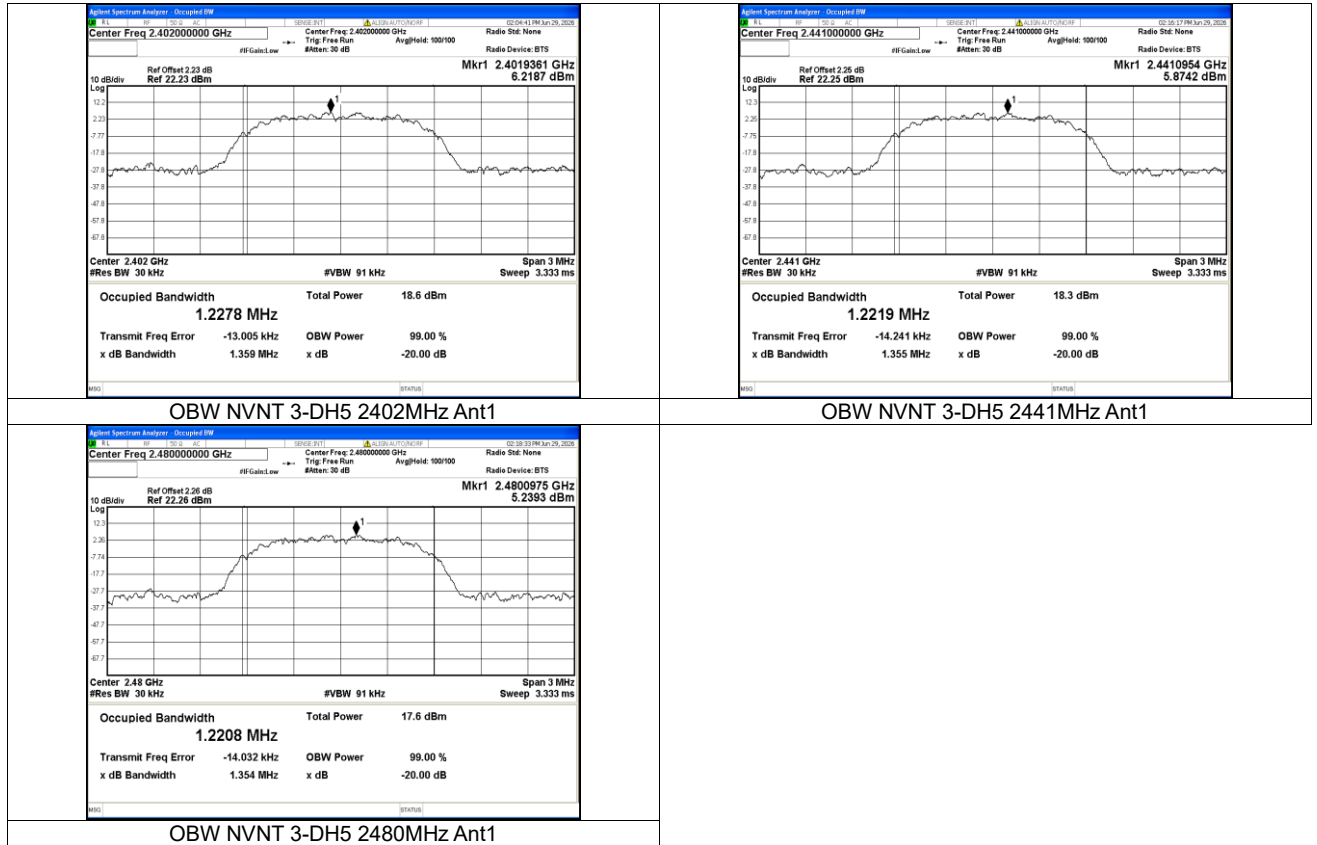




Occupied Channel Bandwidth

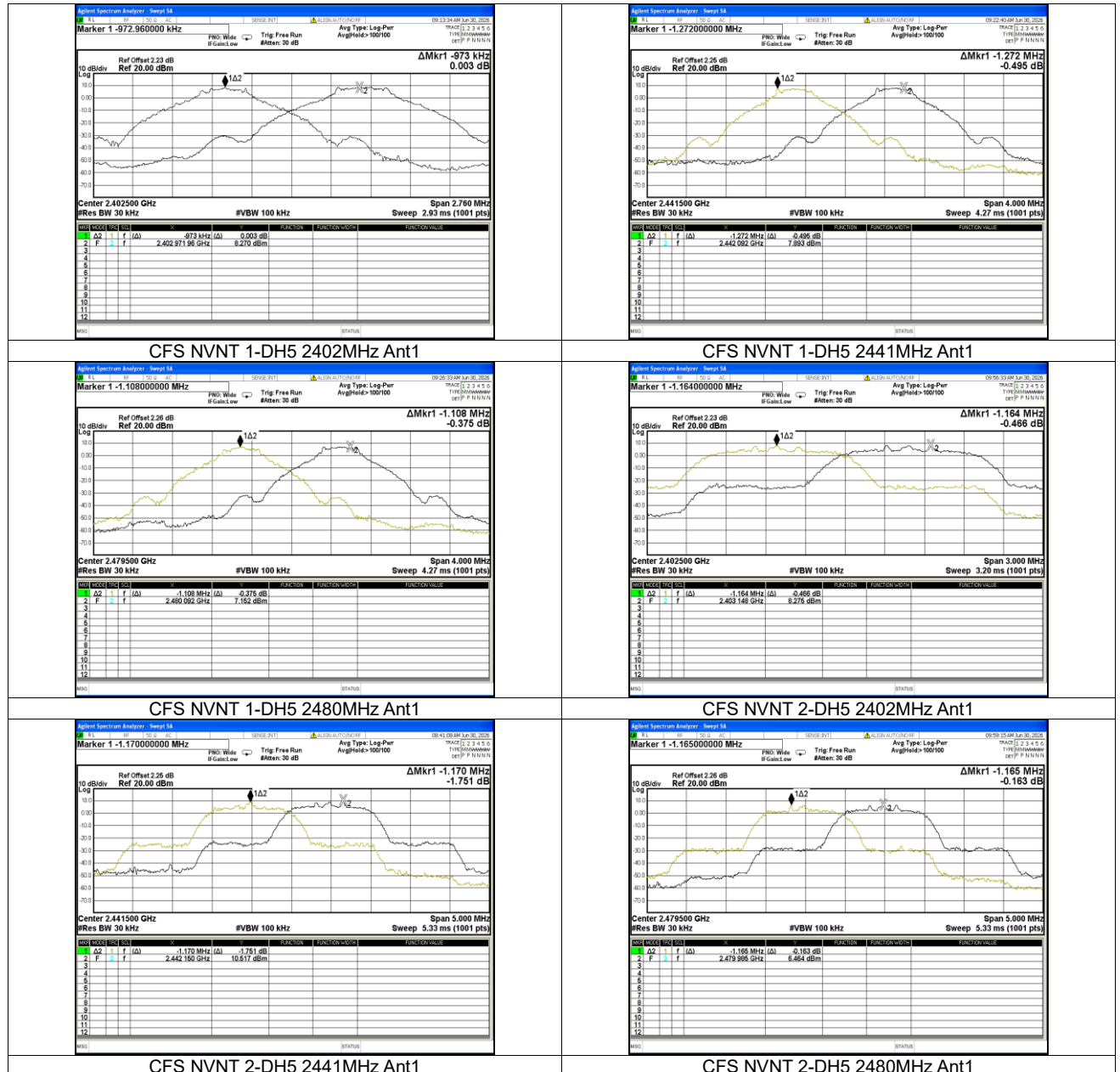
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	1-DH5	2402	Ant1	0.87476
NVNT	1-DH5	2441	Ant1	0.88482
NVNT	1-DH5	2480	Ant1	0.88631
NVNT	2-DH5	2402	Ant1	1.2145
NVNT	2-DH5	2441	Ant1	1.2208
NVNT	2-DH5	2480	Ant1	1.2068
NVNT	3-DH5	2402	Ant1	1.2278
NVNT	3-DH5	2441	Ant1	1.2219
NVNT	3-DH5	2480	Ant1	1.2208

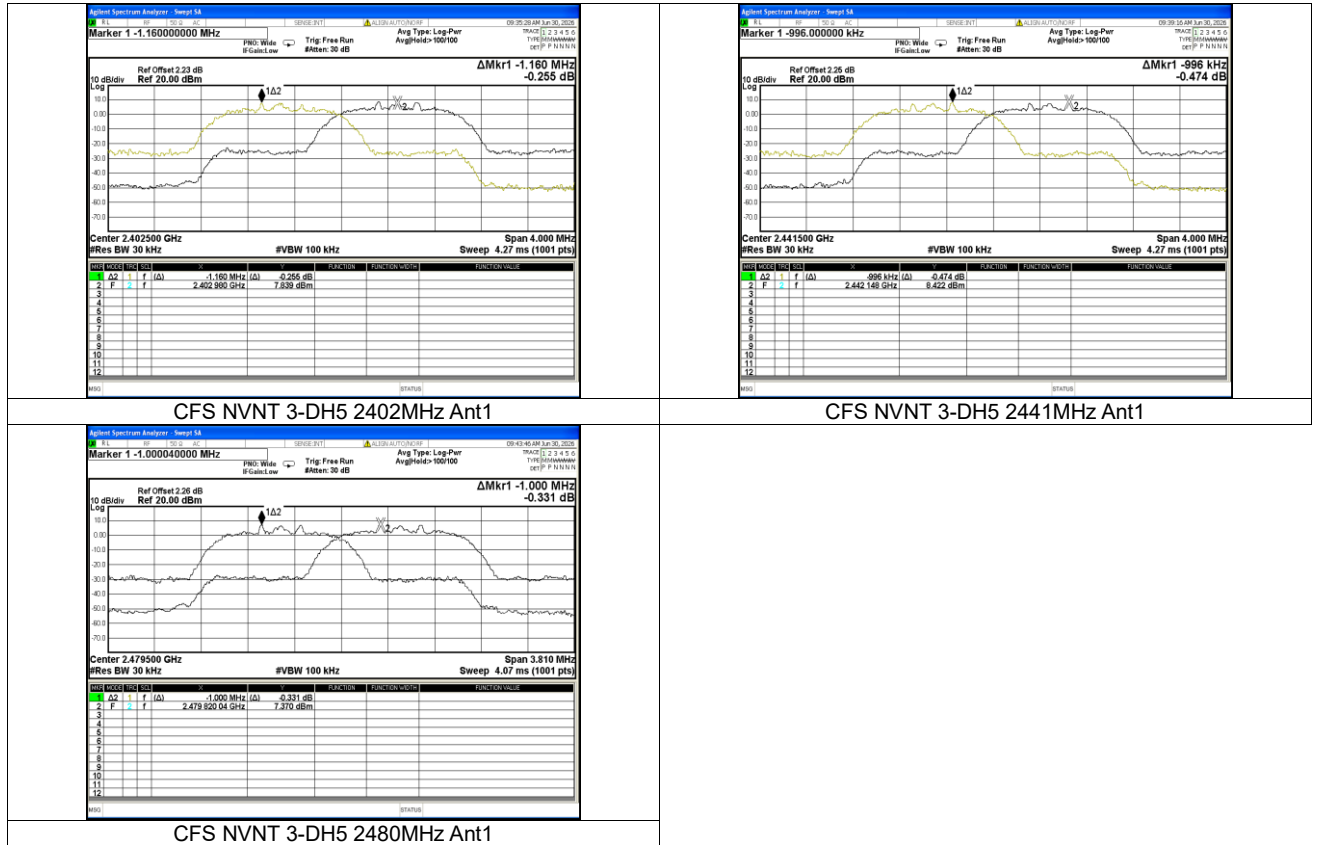




Carrier Frequencies Separation

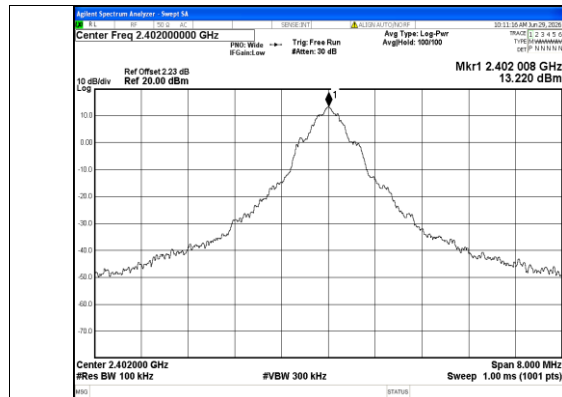
Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant1	2401.998	2402.971	0.973	0.733	Pass
NVNT	1-DH5	Ant1	2440.76	2442.092	1.272	0.64	Pass
NVNT	1-DH5	Ant1	2478.984	2480.092	1.108	0.64	Pass
NVNT	2-DH5	Ant1	2401.984	2403.148	1.164	0.923	Pass
NVNT	2-DH5	Ant1	2440.98	2442.15	1.17	0.922	Pass
NVNT	2-DH5	Ant1	2478.82	2479.985	1.165	0.915	Pass
NVNT	3-DH5	Ant1	2401.82	2402.98	1.16	0.908	Pass
NVNT	3-DH5	Ant1	2441.152	2442.148	0.996	0.025	Pass
NVNT	3-DH5	Ant1	2478.82	2479.82	1	0.025	Pass



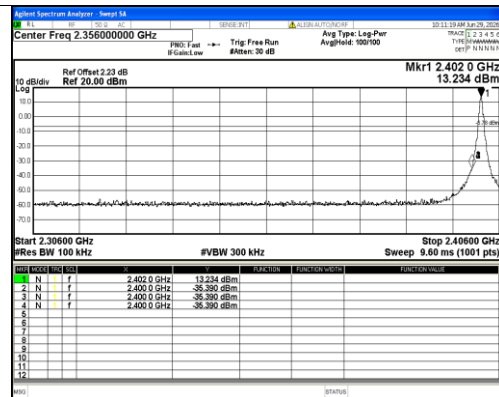


Band Edge

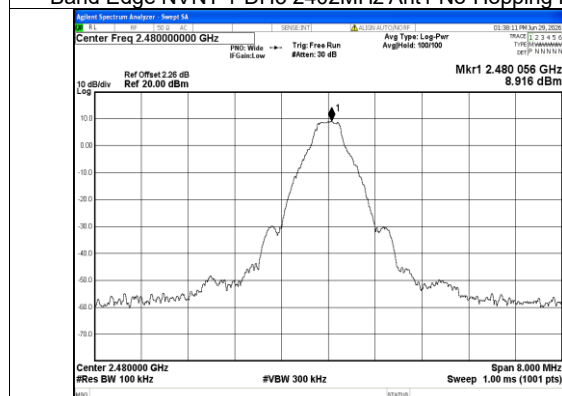
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	-48.61	-20	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	-64.44	-20	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	-51.55	-20	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	-64.58	-20	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	-51.86	-20	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	-64.05	-20	Pass



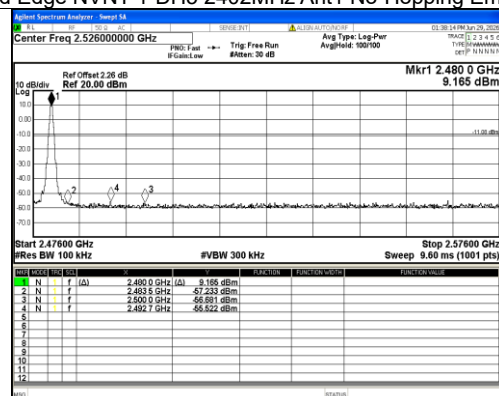
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Ref



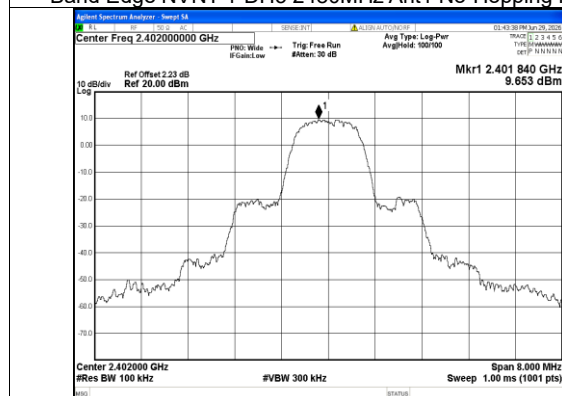
Band Edge NVNT 1-DH5 2402MHz Ant1 No-Hopping Emission



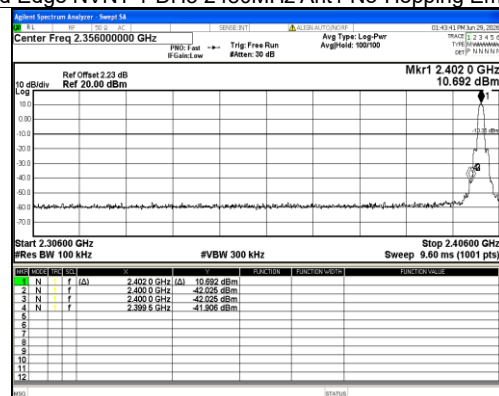
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Ref



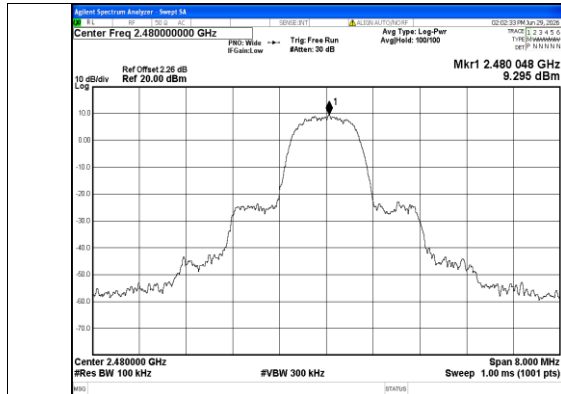
Band Edge NVNT 1-DH5 2480MHz Ant1 No-Hopping Emission



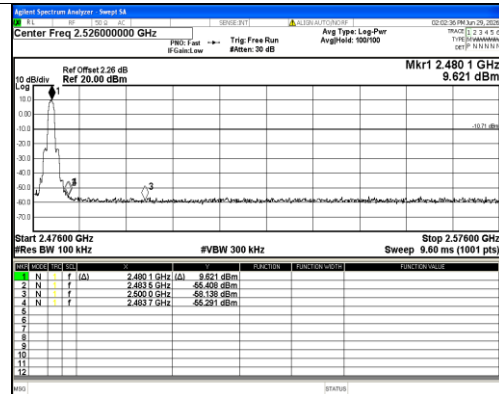
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Ref



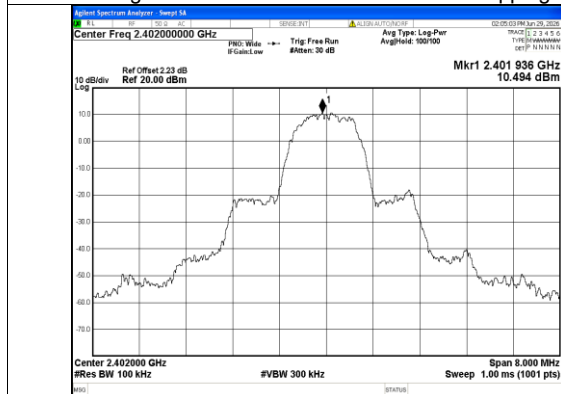
Band Edge NVNT 2-DH5 2402MHz Ant1 No-Hopping Emission



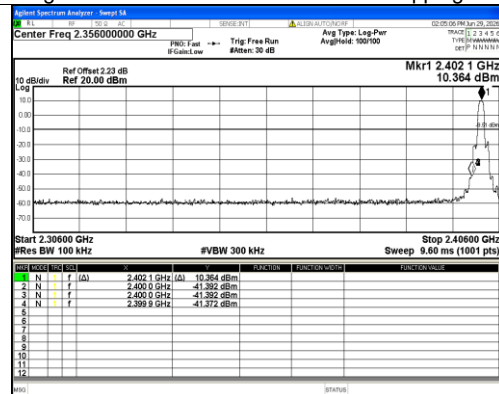
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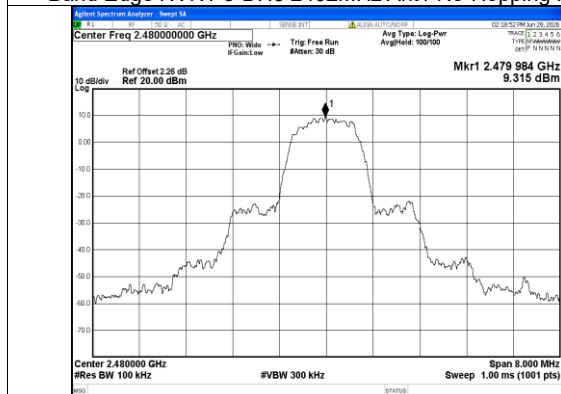
Band Edge NVNT 2-DH5 2480MHz Ant1 No-Hopping Emission



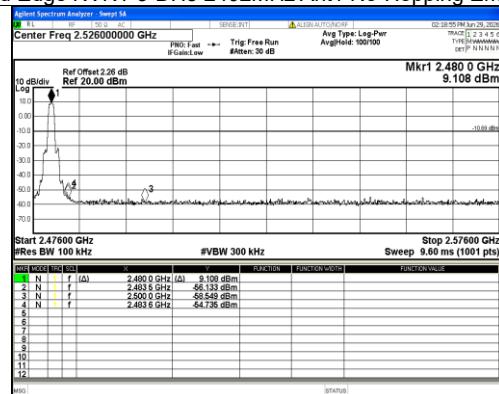
Band Edge NVNT 3-DH5 2402MHz Ant1 No-Hopping Ref



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



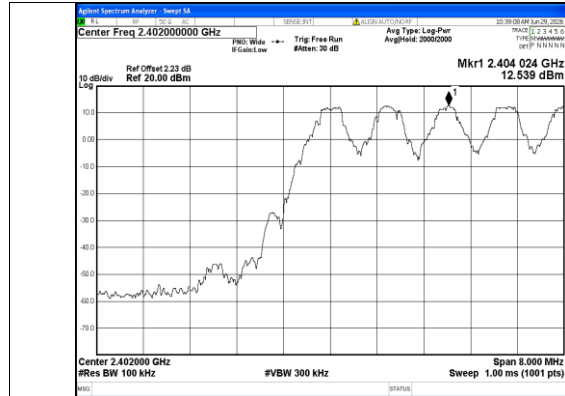
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Ref



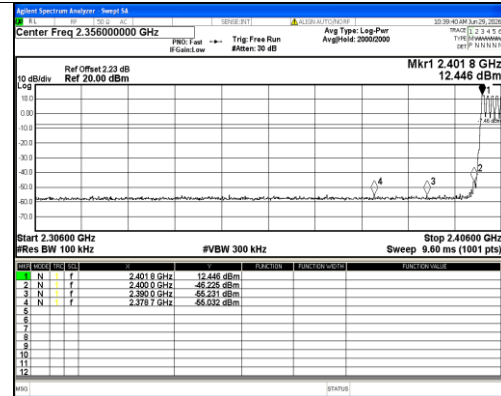
Band Edge NVNT 3-DH5 2480MHz Ant1 No-Hopping Emission

Band Edge(Hopping)

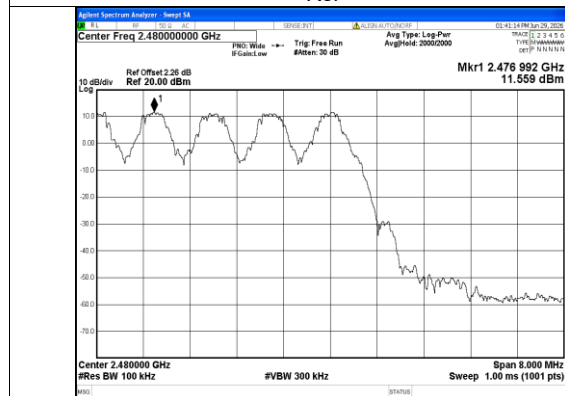
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	Hopping	-67.57	-20	Pass
NVNT	1-DH5	2480	Ant1	Hopping	-67.07	-20	Pass
NVNT	2-DH5	2402	Ant1	Hopping	-67.34	-20	Pass
NVNT	2-DH5	2480	Ant1	Hopping	-67.07	-20	Pass
NVNT	3-DH5	2402	Ant1	Hopping	-68.36	-20	Pass
NVNT	3-DH5	2480	Ant1	Hopping	-66.87	-20	Pass



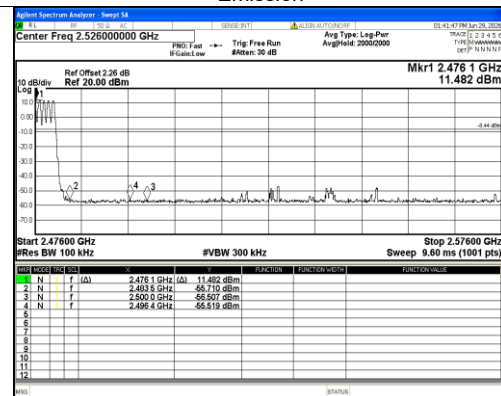
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Ref



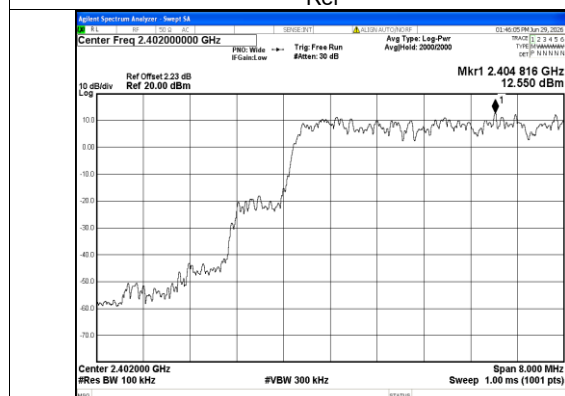
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant1 Hopping Emission



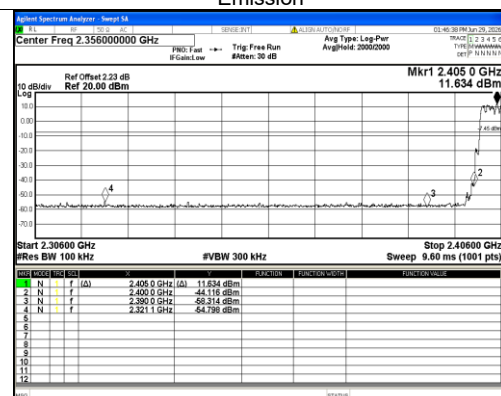
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant1 Hopping Ref



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



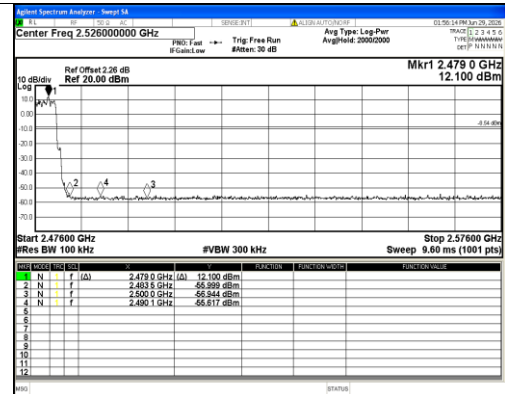
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant1 Hopping Ref



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



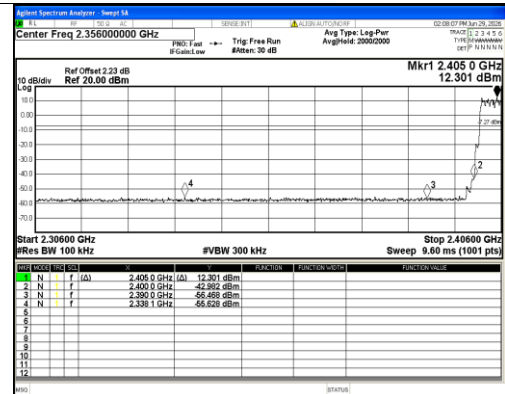
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant1 Hopping Ref



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



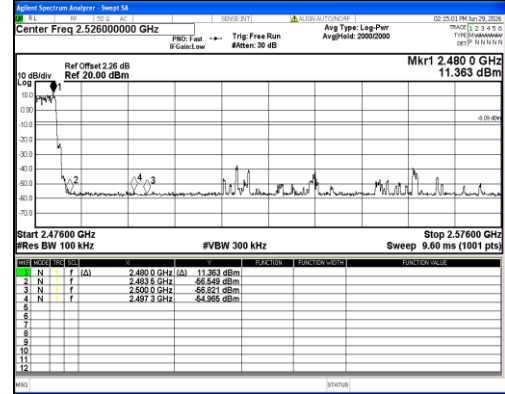
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant1 Hopping Ref



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



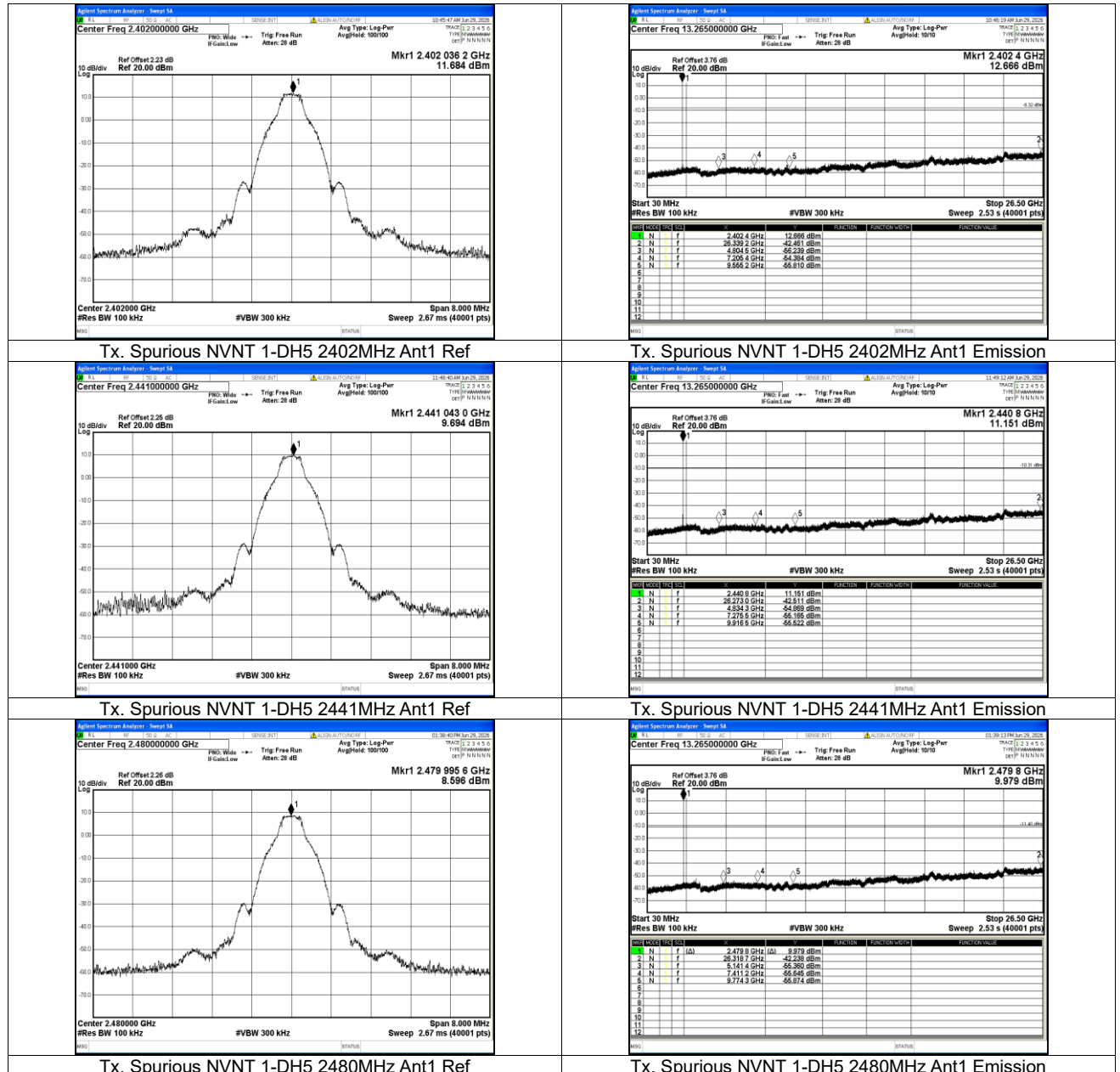
Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Ref

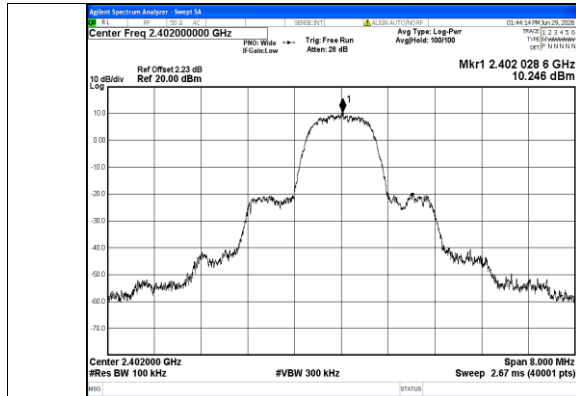


Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant1 Hopping Emission

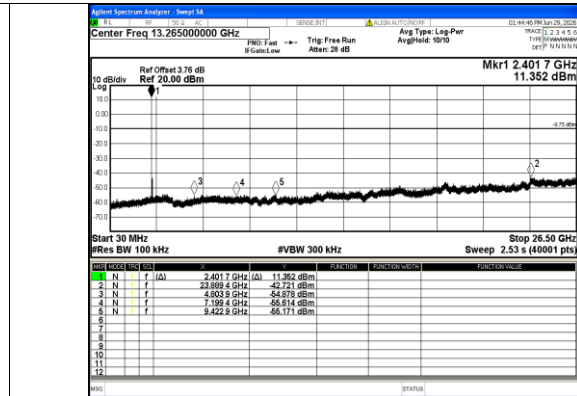
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant1	-54.14	-20	Pass
NVNT	1-DH5	2441	Ant1	-52.2	-20	Pass
NVNT	1-DH5	2480	Ant1	-50.83	-20	Pass
NVNT	2-DH5	2402	Ant1	-52.97	-20	Pass
NVNT	2-DH5	2441	Ant1	-52.29	-20	Pass
NVNT	2-DH5	2480	Ant1	-50.54	-20	Pass
NVNT	3-DH5	2402	Ant1	-52.41	-20	Pass
NVNT	3-DH5	2441	Ant1	-52.14	-20	Pass
NVNT	3-DH5	2480	Ant1	-51.25	-20	Pass

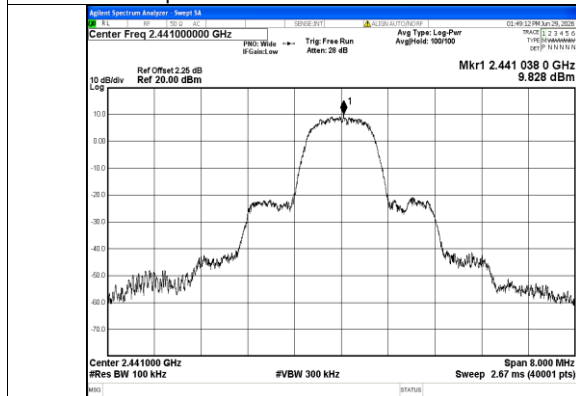




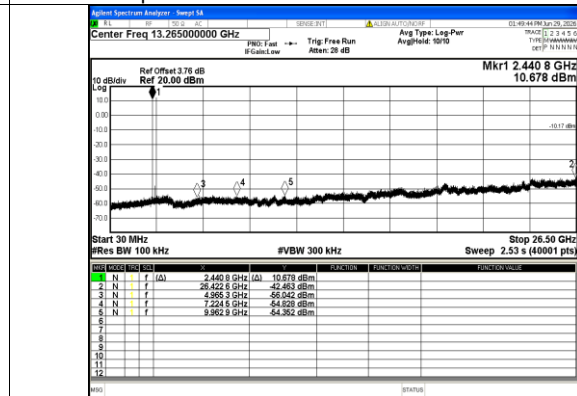
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Ref



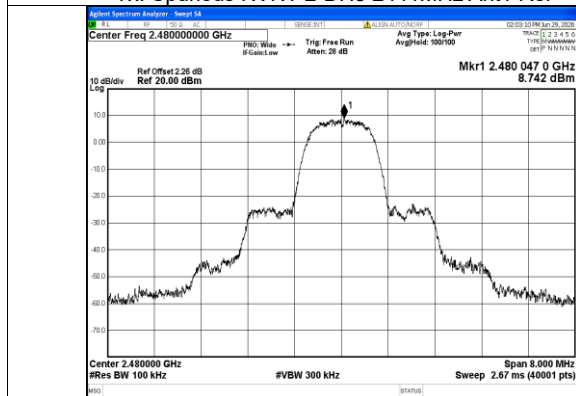
Tx. Spurious NVNT 2-DH5 2402MHz Ant1 Emission



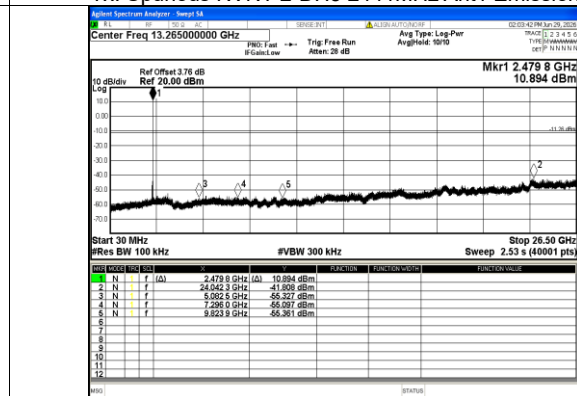
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Ref



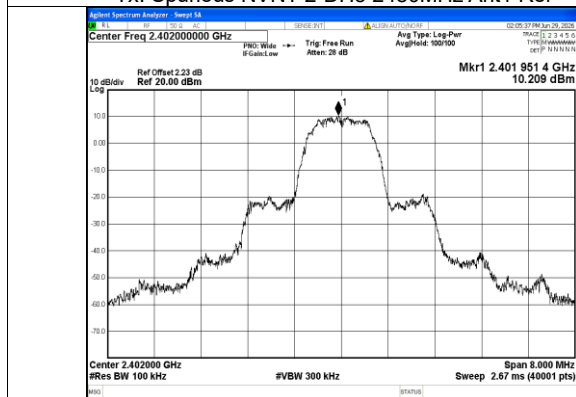
Tx. Spurious NVNT 2-DH5 2441MHz Ant1 Emission



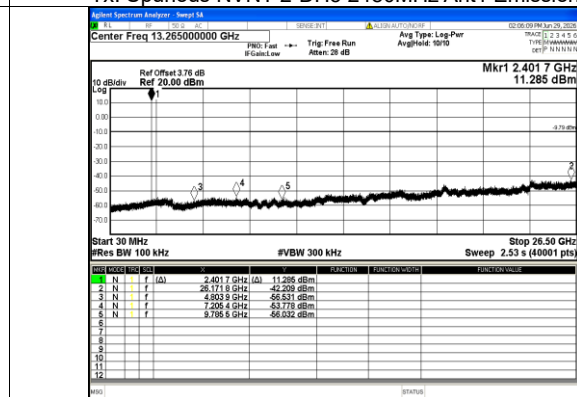
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Ref



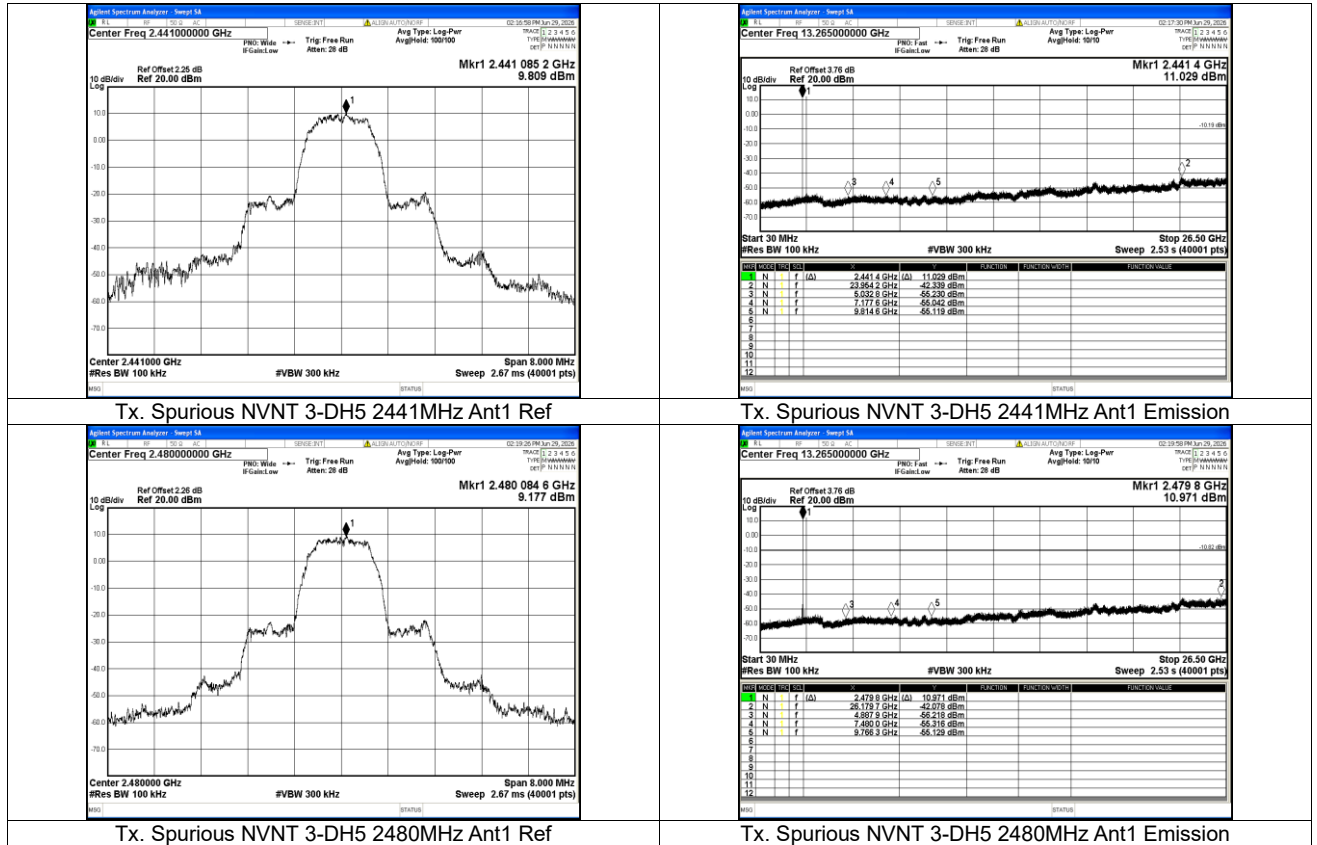
Tx. Spurious NVNT 2-DH5 2480MHz Ant1 Emission



Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Ref



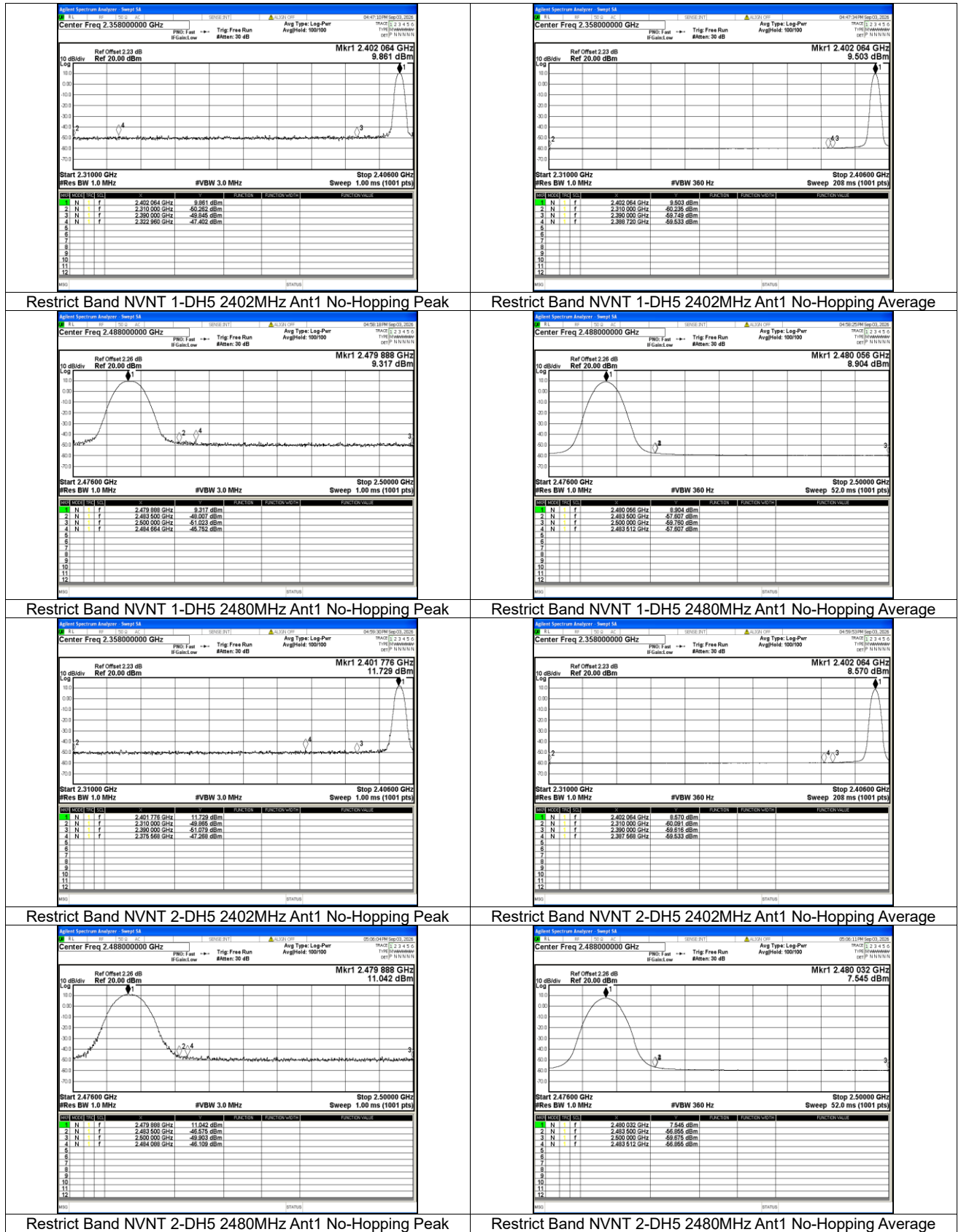
Tx. Spurious NVNT 3-DH5 2402MHz Ant1 Emission

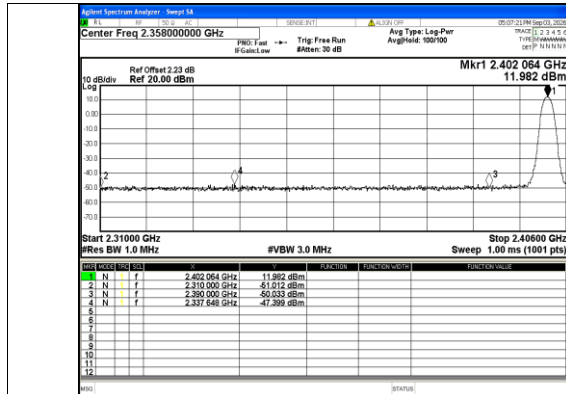


Restrict Band

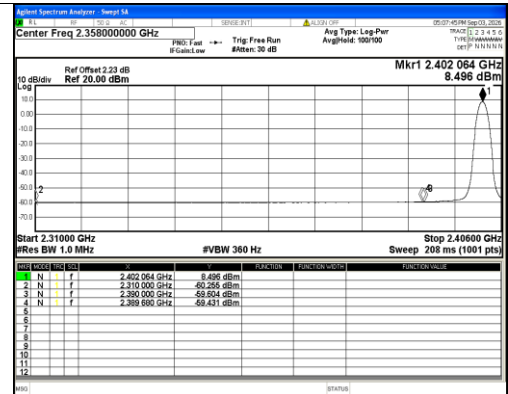
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-50.26	3.99	48.99	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2310	-60.23	3.99	39.02	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2322.96	-47.4	3.99	51.85	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2388.72	-59.53	3.99	39.72	Average	54	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-50.58	3.99	48.67	Peak	74	Pass
NVNT	1-DH5	2402	Ant1	No-Hopping	2390	-59.7	3.99	39.55	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-48	3.99	51.25	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.5	-57.6	3.99	41.65	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2484.664	-45.75	3.99	53.5	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2483.512	-57.6	3.99	41.65	Average	54	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-51.02	3.99	48.23	Peak	74	Pass
NVNT	1-DH5	2480	Ant1	No-Hopping	2500	-59.75	3.99	39.5	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-49.86	3.99	49.39	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2310	-60.09	3.99	39.16	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2375.568	-47.26	3.99	51.99	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2387.568	-59.53	3.99	39.72	Average	54	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-51.14	3.99	48.11	Peak	74	Pass
NVNT	2-DH5	2402	Ant1	No-Hopping	2390	-59.59	3.99	39.66	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-46.57	3.99	52.68	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.5	-56.85	3.99	42.4	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2484.088	-46.1	3.99	53.15	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2483.512	-56.85	3.99	42.4	Average	54	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-49.9	3.99	49.35	Peak	74	Pass
NVNT	2-DH5	2480	Ant1	No-Hopping	2500	-59.67	3.99	39.58	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-51.01	3.99	48.24	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2310	-60.25	3.99	39	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2337.648	-47.39	3.99	51.86	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2389.68	-59.43	3.99	39.82	Average	54	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-49.9	3.99	49.35	Peak	74	Pass
NVNT	3-DH5	2402	Ant1	No-Hopping	2390	-59.64	3.99	39.61	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-45.73	3.99	53.52	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.5	-56.54	3.99	42.71	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.656	-45.09	3.99	54.16	Peak	74	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2483.512	-56.54	3.99	42.71	Average	54	Pass
NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-50	3.99	49.25	Peak	74	Pass

NVNT	3-DH5	2480	Ant1	No-Hopping	2500	-59.72	3.99	39.53	Average	54	Pass
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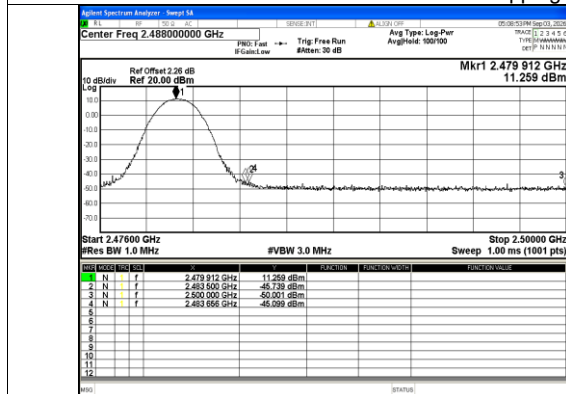




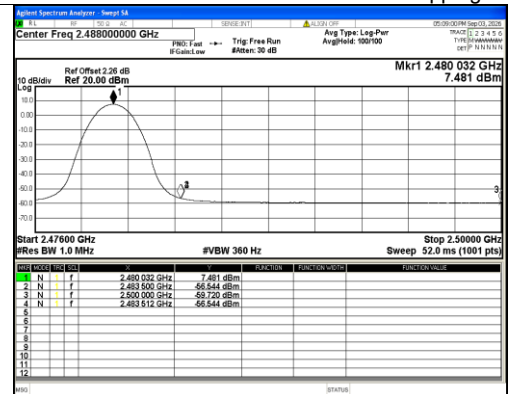
Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2402MHz Ant1 No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant1 No-Hopping Average

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

