

Appendix A: Test Results

Content

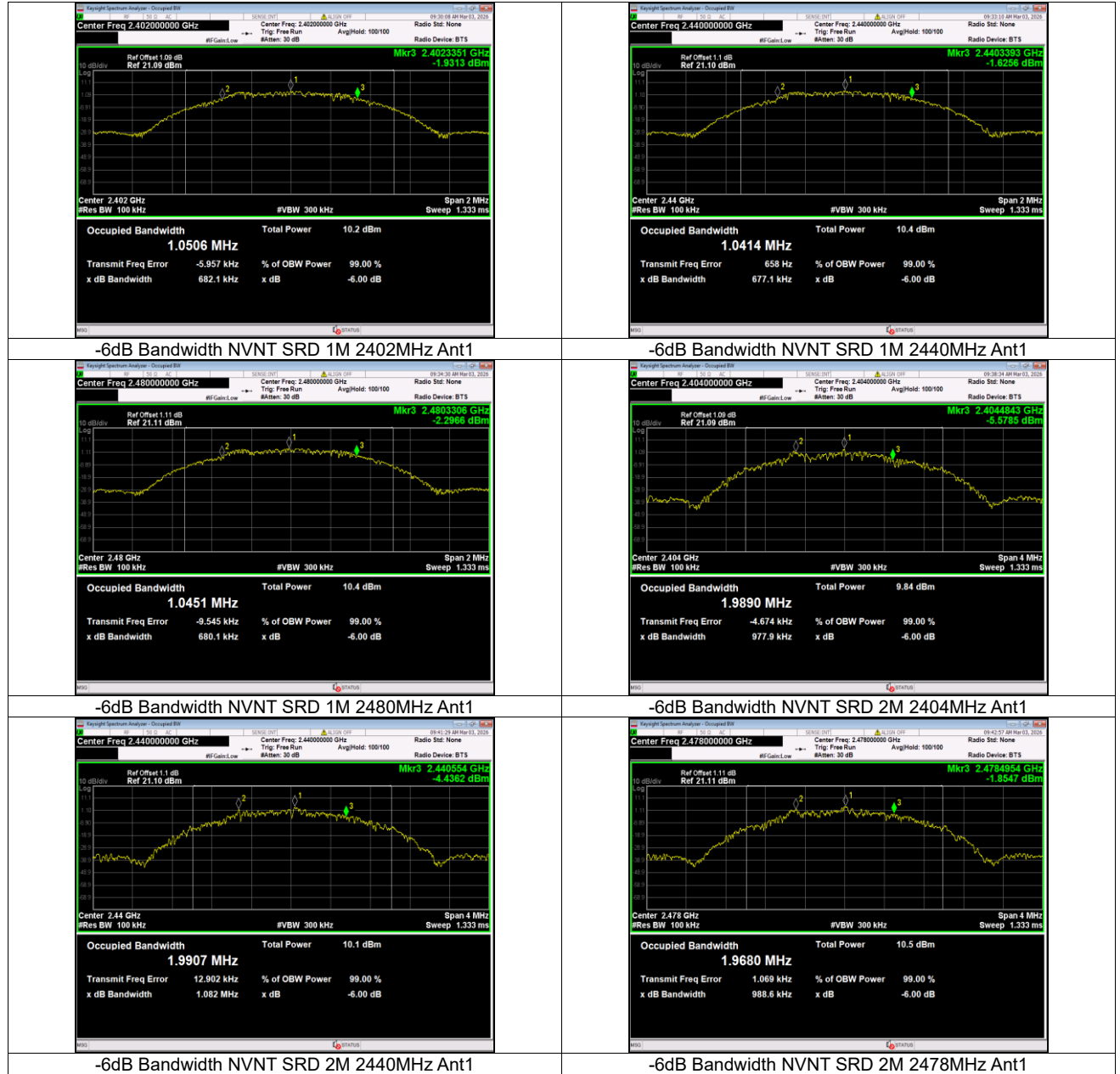
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Maximum Peak Conducted Output Power

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	SR D 1M	2402	Ant1	5.38	0	5.38	0.00345	2.3 8	7.76	0.005 97	30	36	Pass
NVNT	SR D 1M	2440	Ant1	5.54	0	5.54	0.00358	2.3 8	7.92	0.006 19	30	36	Pass
NVNT	SR D 1M	2480	Ant1	5.62	0	5.62	0.00365	2.3 8	8	0.006 31	30	36	Pass
NVNT	SR D 2M	2404	Ant1	5.2	0	5.2	0.00331	2.3 8	7.58	0.005 73	30	36	Pass
NVNT	SR D 2M	2440	Ant1	5.35	0	5.35	0.00343	2.3 8	7.73	0.005 93	30	36	Pass
NVNT	SR D 2M	2478	Ant1	5.43	0	5.43	0.00349	2.3 8	7.81	0.006 04	30	36	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	SRD 1M	2402	Ant1	0.6821	0.5	Pass
NVNT	SRD 1M	2440	Ant1	0.6771	0.5	Pass
NVNT	SRD 1M	2480	Ant1	0.6801	0.5	Pass
NVNT	SRD 2M	2404	Ant1	0.9779	0.5	Pass
NVNT	SRD 2M	2440	Ant1	1.082	0.5	Pass
NVNT	SRD 2M	2478	Ant1	0.9886	0.5	Pass



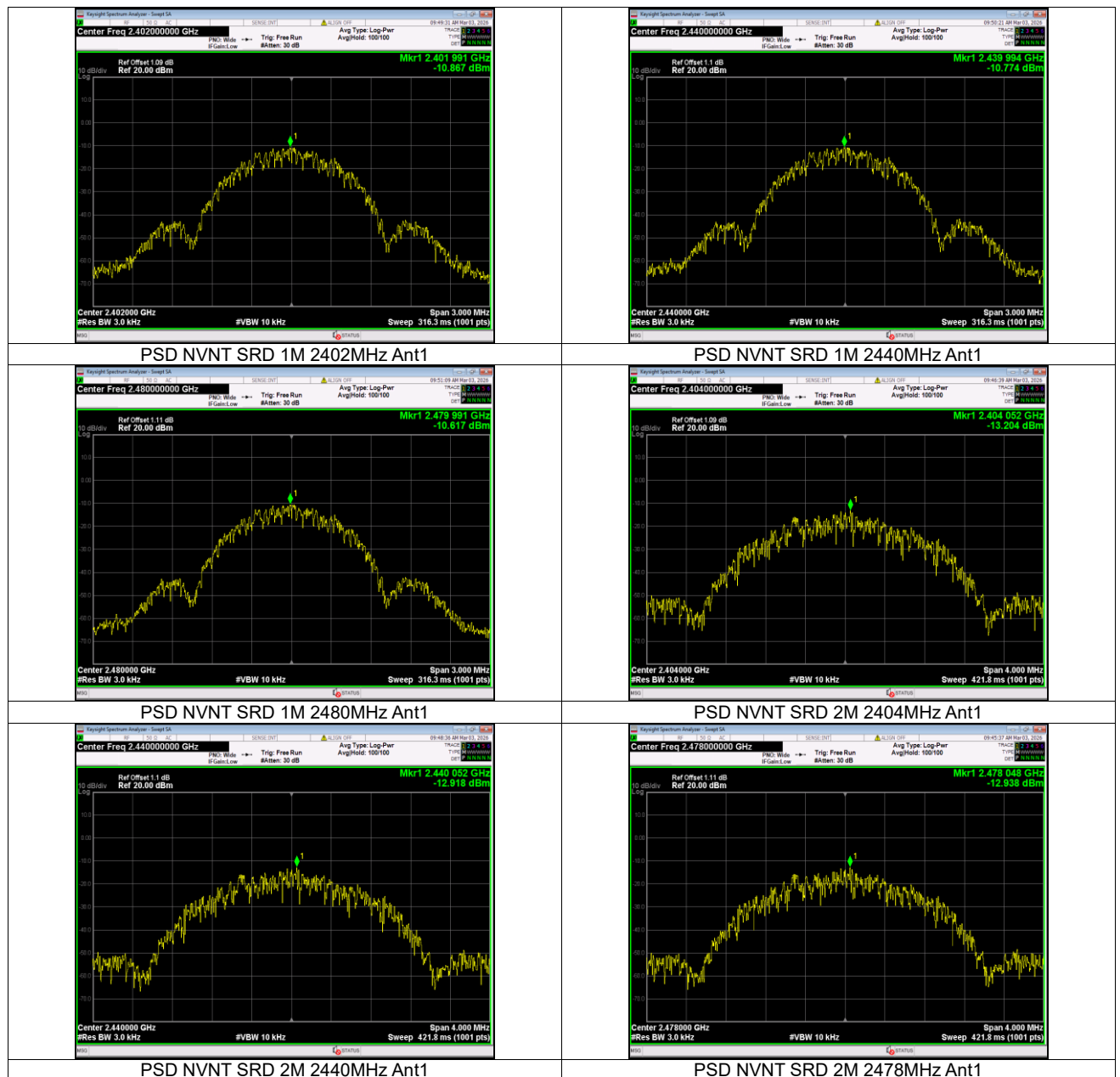
Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	SRD 1M	2402	Ant1	1.026
NVNT	SRD 1M	2440	Ant1	1.0348
NVNT	SRD 1M	2480	Ant1	1.0354
NVNT	SRD 2M	2404	Ant1	1.9934
NVNT	SRD 2M	2440	Ant1	1.991
NVNT	SRD 2M	2478	Ant1	1.952



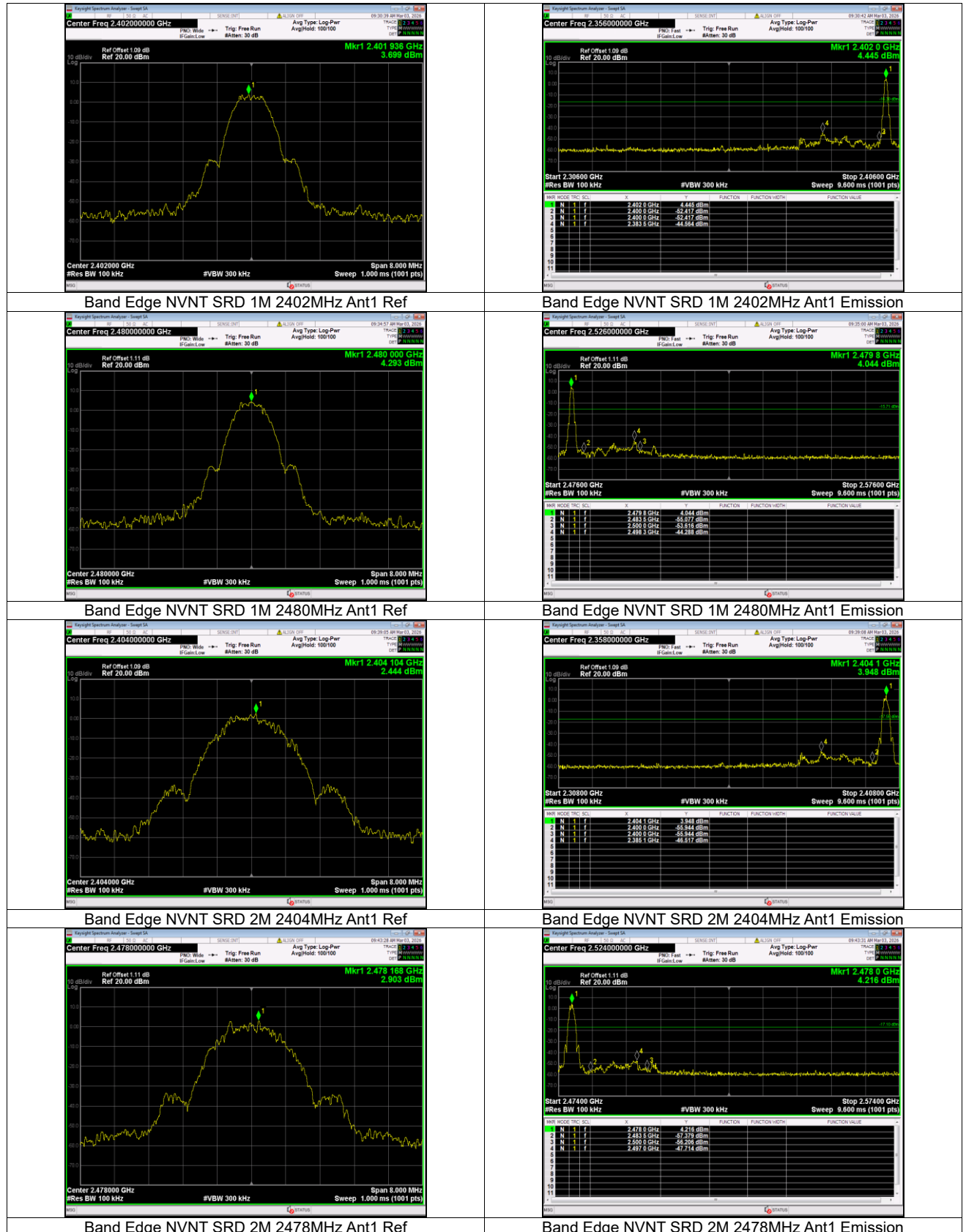
Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	SRD 1M	2402	Ant1	-10.87	0	-10.87	8	Pass
NVNT	SRD 1M	2440	Ant1	-10.77	0	-10.77	8	Pass
NVNT	SRD 1M	2480	Ant1	-10.62	0	-10.62	8	Pass
NVNT	SRD 2M	2404	Ant1	-13.2	0	-13.2	8	Pass
NVNT	SRD 2M	2440	Ant1	-12.92	0	-12.92	8	Pass
NVNT	SRD 2M	2478	Ant1	-12.94	0	-12.94	8	Pass



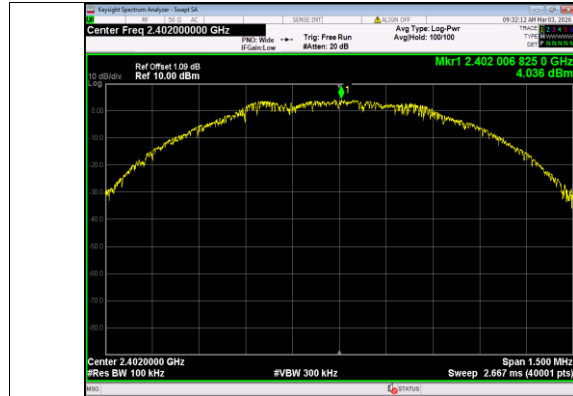
Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	SRD 1M	2402	Ant1	-48.26	-20	Pass
NVNT	SRD 1M	2480	Ant1	-48.57	-20	Pass
NVNT	SRD 2M	2404	Ant1	-48.95	-20	Pass
NVNT	SRD 2M	2478	Ant1	-50.61	-20	Pass

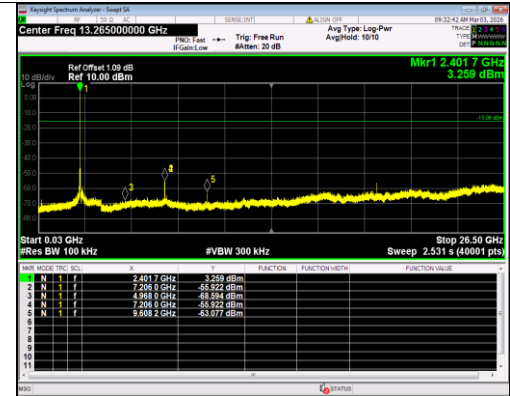


Conducted RF Spurious Emission

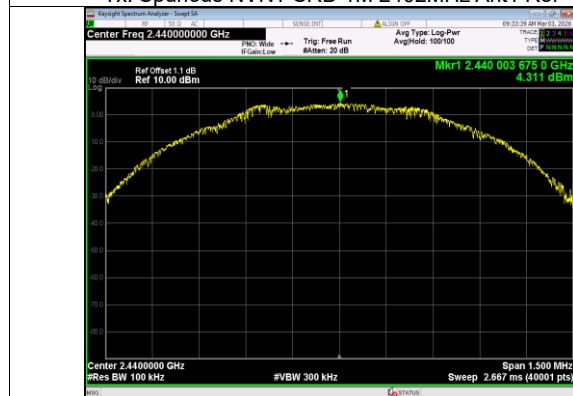
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	SRD 1M	2402	Ant1	-59.96	-20	Pass
NVNT	SRD 1M	2440	Ant1	-61.71	-20	Pass
NVNT	SRD 1M	2480	Ant1	-57.91	-20	Pass
NVNT	SRD 2M	2404	Ant1	-60.42	-20	Pass
NVNT	SRD 2M	2440	Ant1	-60.84	-20	Pass
NVNT	SRD 2M	2478	Ant1	-60.23	-20	Pass



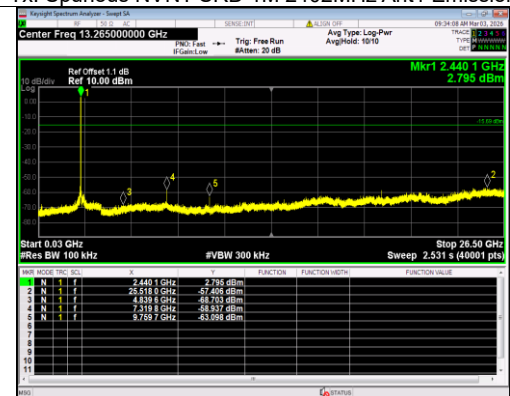
Tx. Spurious NVNT SRD 1M 2402MHz Ant1 Ref



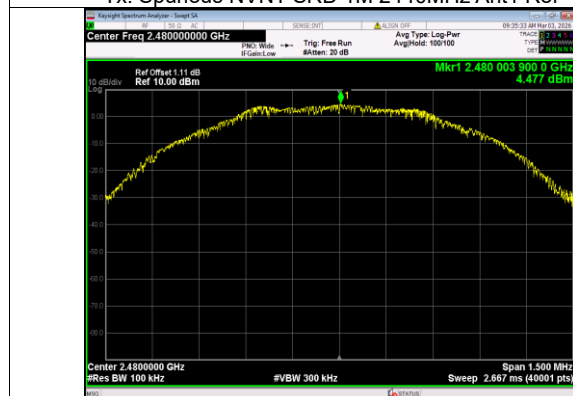
Tx. Spurious NVNT SRD 1M 2402MHz Ant1 Emission



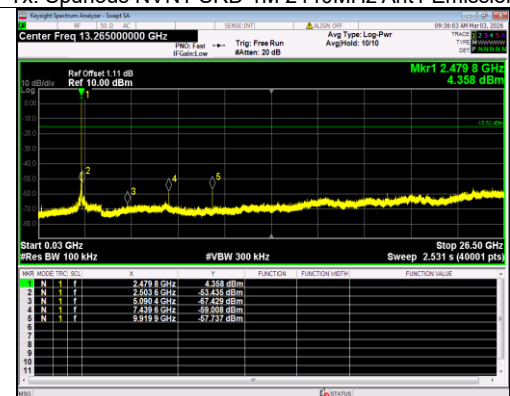
Tx. Spurious NVNT SRD 1M 2440MHz Ant1 Ref



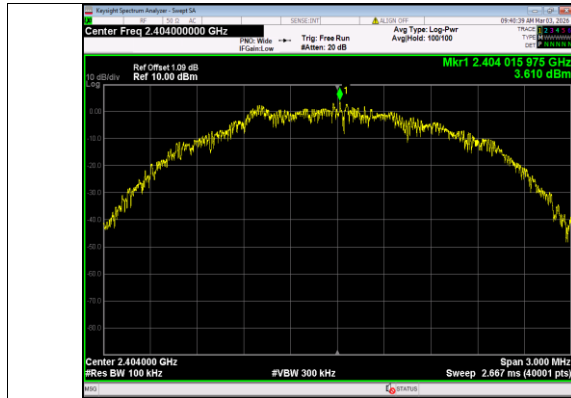
Tx. Spurious NVNT SRD 1M 2440MHz Ant1 Emission



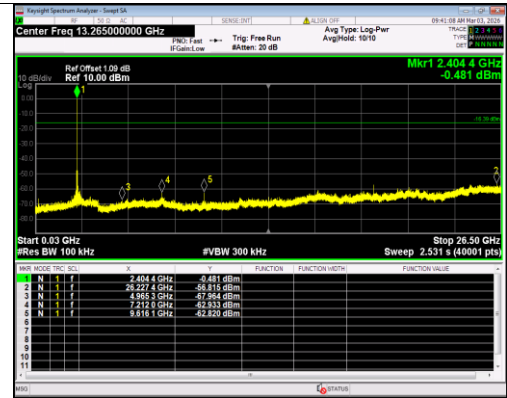
Tx. Spurious NVNT SRD 1M 2480MHz Ant1 Ref



Tx. Spurious NVNT SRD 1M 2480MHz Ant1 Emission



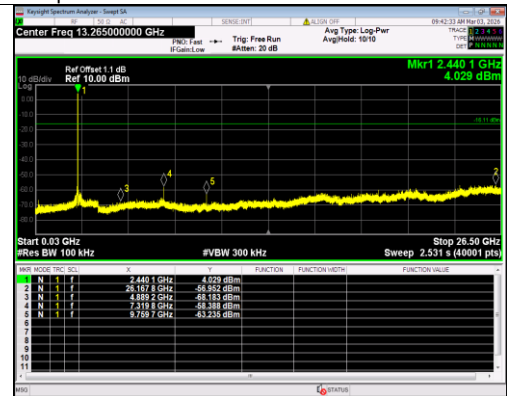
Tx. Spurious NVNT SRD 2M 2404MHz Ant1 Ref



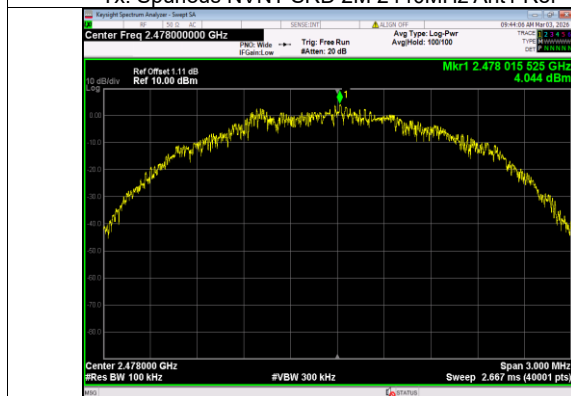
Tx. Spurious NVNT SRD 2M 2404MHz Ant1 Emission



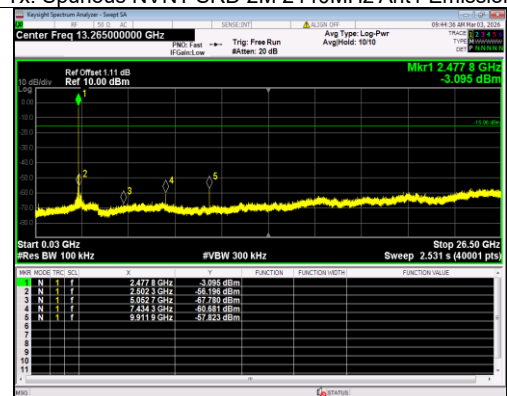
Tx. Spurious NVNT SRD 2M 2440MHz Ant1 Ref



Tx. Spurious NVNT SRD 2M 2440MHz Ant1 Emission



Tx. Spurious NVNT SRD 2M 2478MHz Ant1 Ref

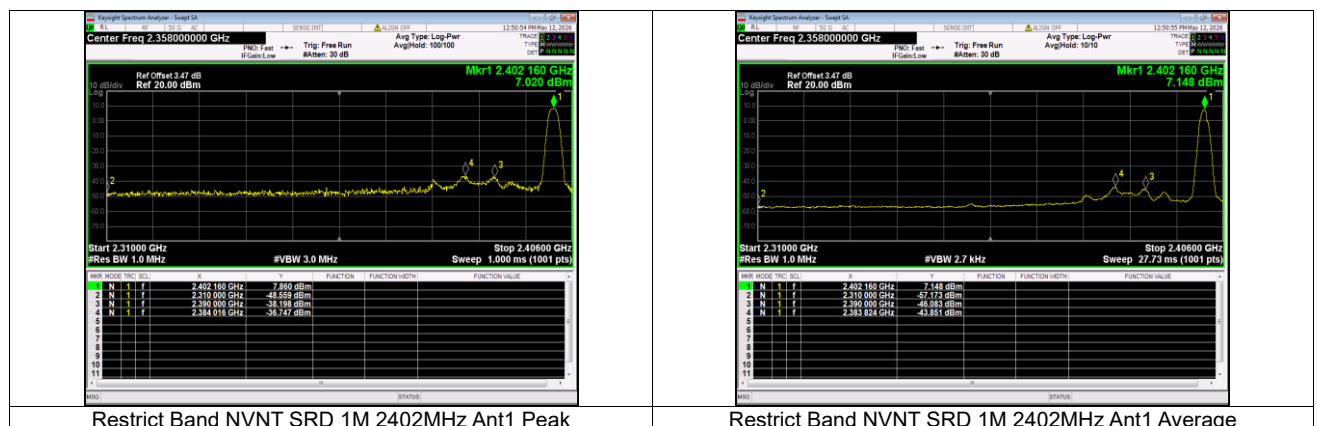


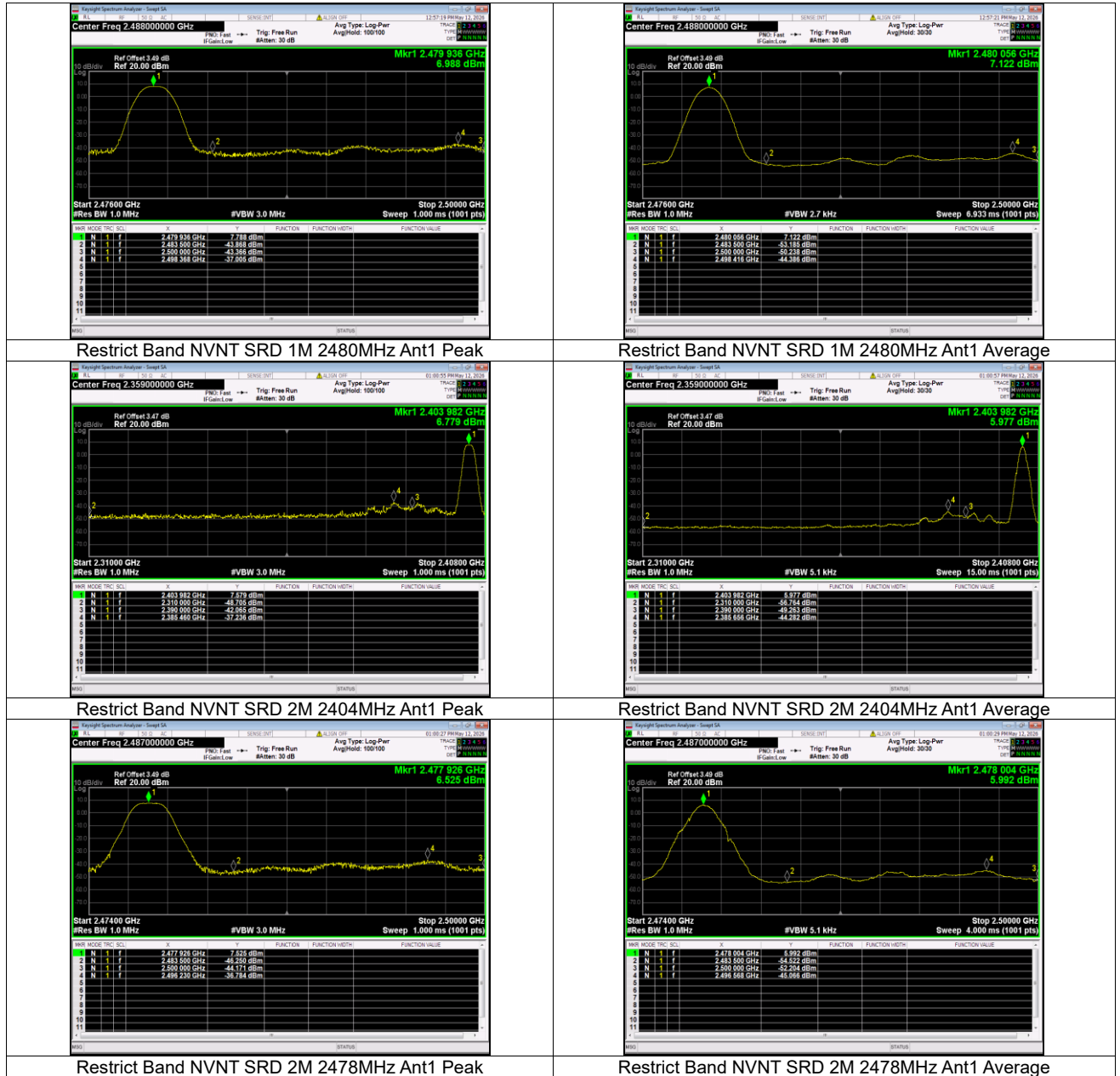
Tx. Spurious NVNT SRD 2M 2478MHz Ant1 Emission

Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	SRD 1M	2402	Ant1	2310	-48.55	46.71	Peak	74	Pass
NVNT	SRD 1M	2402	Ant1	2310	-57.17	38.09	Average	54	Pass
NVNT	SRD 1M	2402	Ant1	2384.016	-36.74	58.52	Peak	74	Pass
NVNT	SRD 1M	2402	Ant1	2383.824	-43.85	51.41	Average	54	Pass
NVNT	SRD 1M	2402	Ant1	2390	-37.91	57.35	Peak	74	Pass
NVNT	SRD 1M	2402	Ant1	2390	-46.07	49.19	Average	54	Pass
NVNT	SRD 1M	2480	Ant1	2483.5	-43.86	51.4	Peak	74	Pass
NVNT	SRD 1M	2480	Ant1	2483.5	-53.18	42.08	Average	54	Pass
NVNT	SRD 1M	2480	Ant1	2498.368	-37	58.26	Peak	74	Pass
NVNT	SRD 1M	2480	Ant1	2498.416	-44.38	50.88	Average	54	Pass
NVNT	SRD 1M	2480	Ant1	2500	-43.36	51.9	Peak	74	Pass
NVNT	SRD 1M	2480	Ant1	2500	-50.23	45.03	Average	54	Pass
NVNT	SRD 2M	2404	Ant1	2310	-48.7	46.56	Peak	74	Pass
NVNT	SRD 2M	2404	Ant1	2310	-56.76	38.5	Average	54	Pass
NVNT	SRD 2M	2404	Ant1	2385.46	-37.23	58.03	Peak	74	Pass
NVNT	SRD 2M	2404	Ant1	2385.656	-44.28	50.98	Average	54	Pass
NVNT	SRD 2M	2404	Ant1	2390	-42.11	53.15	Peak	74	Pass
NVNT	SRD 2M	2404	Ant1	2390	-48.91	46.35	Average	54	Pass
NVNT	SRD 2M	2478	Ant1	2483.5	-47.69	47.57	Peak	74	Pass
NVNT	SRD 2M	2478	Ant1	2483.5	-54.51	40.75	Average	54	Pass
NVNT	SRD 2M	2478	Ant1	2496.23	-36.78	58.48	Peak	74	Pass
NVNT	SRD 2M	2478	Ant1	2496.568	-45.06	50.2	Average	54	Pass
NVNT	SRD 2M	2478	Ant1	2500	-44.17	51.09	Peak	74	Pass
NVNT	SRD 2M	2478	Ant1	2500	-52.2	43.06	Average	54	Pass

Note: This gain (2.38dBi) 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	SRD 1M	2440	Ant1	30.71	5.13	2.6
NVNT	SRD 2M	2440	Ant1	16.16	7.92	4.95

