

Appendix A: Test Results

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Maximum Peak Conducted Output Power

Mode	Frequency (MHz)	Conducted Power (dBm)	Duty Factor (dB)	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
SRD 1M	2402	6.05	0	6.05	0.00403	30	Pass
SRD 1M	2440	7.88	0	7.88	0.00614	30	Pass
SRD 1M	2480	7.48	0	7.48	0.0056	30	Pass
SRD 2M	2402	5.95	0	5.95	0.00394	30	Pass
SRD 2M	2440	7.85	0	7.85	0.0061	30	Pass
SRD 2M	2480	7.44	0	7.44	0.00555	30	Pass

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 0.64 dBi.

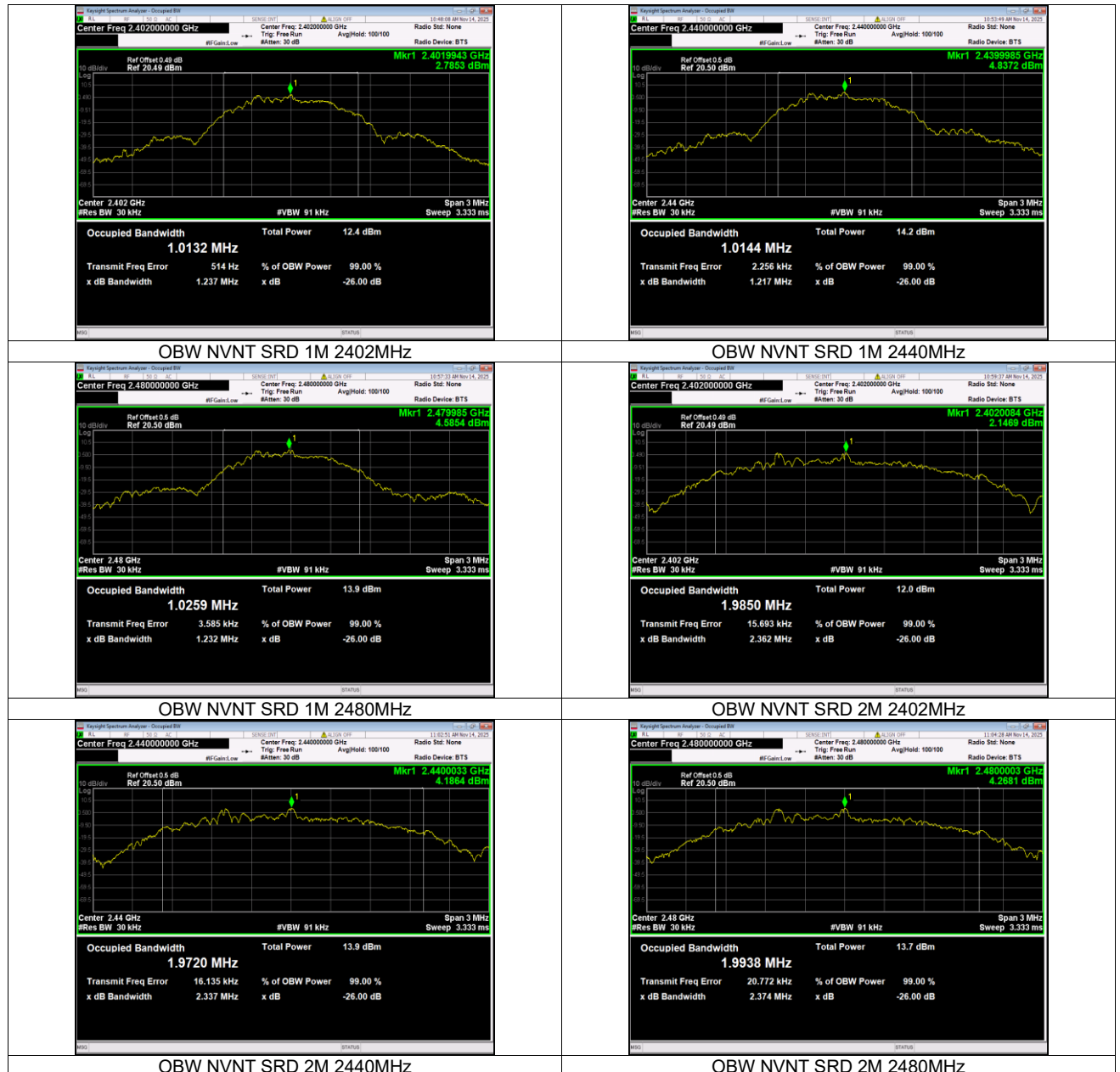
-6dB Bandwidth

Mode	Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
SRD 1M	2402	0.643	0.5	Pass
SRD 1M	2440	0.6373	0.5	Pass
SRD 1M	2480	0.6561	0.5	Pass
SRD 2M	2402	1.132	0.5	Pass
SRD 2M	2440	1.134	0.5	Pass
SRD 2M	2480	1.113	0.5	Pass



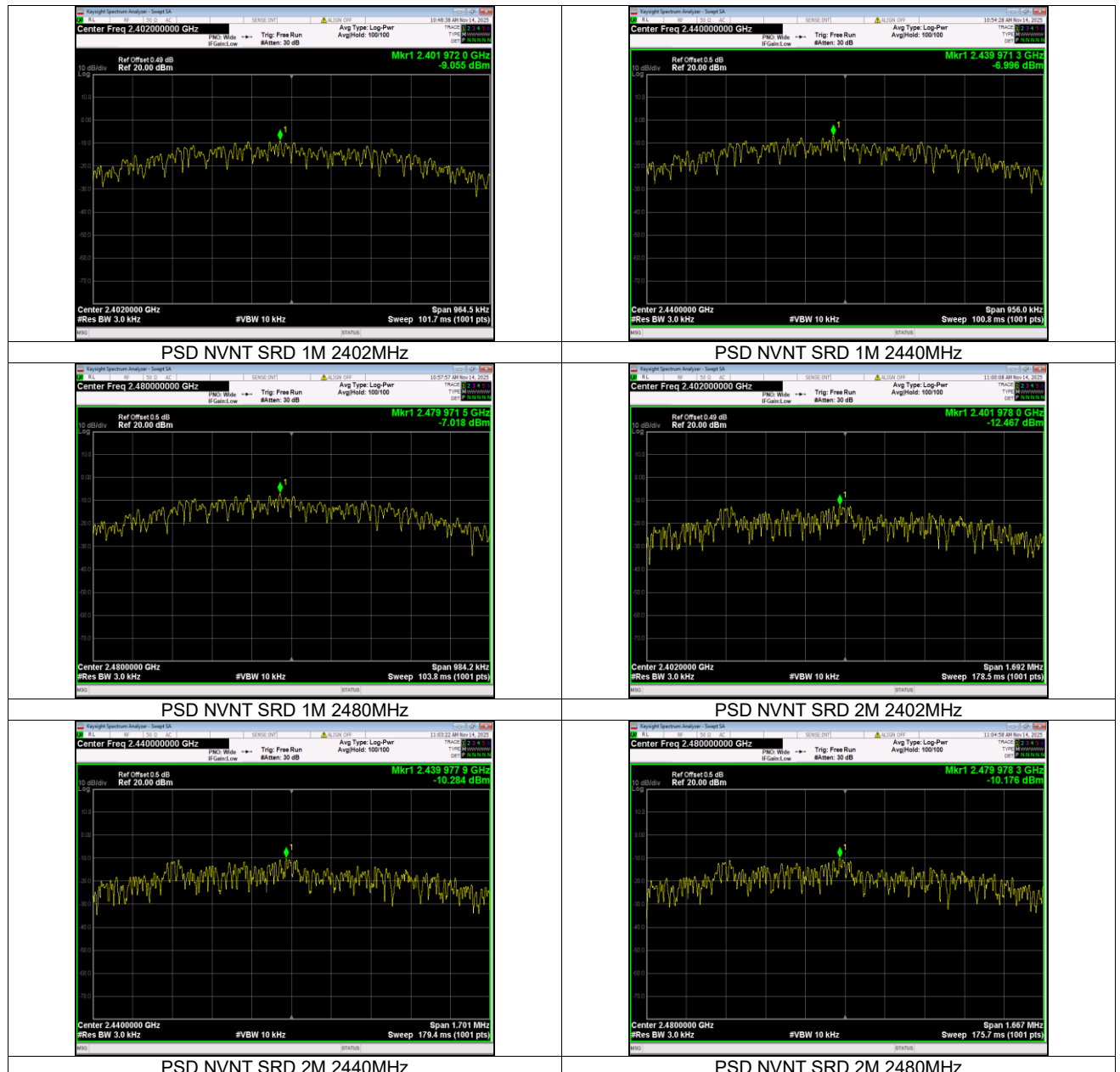
Occupied Channel Bandwidth

Mode	Frequency (MHz)	99% OBW (MHz)
SRD 1M	2402	1.0132
SRD 1M	2440	1.0144
SRD 1M	2480	1.0259
SRD 2M	2402	1.985
SRD 2M	2440	1.972
SRD 2M	2480	1.9938



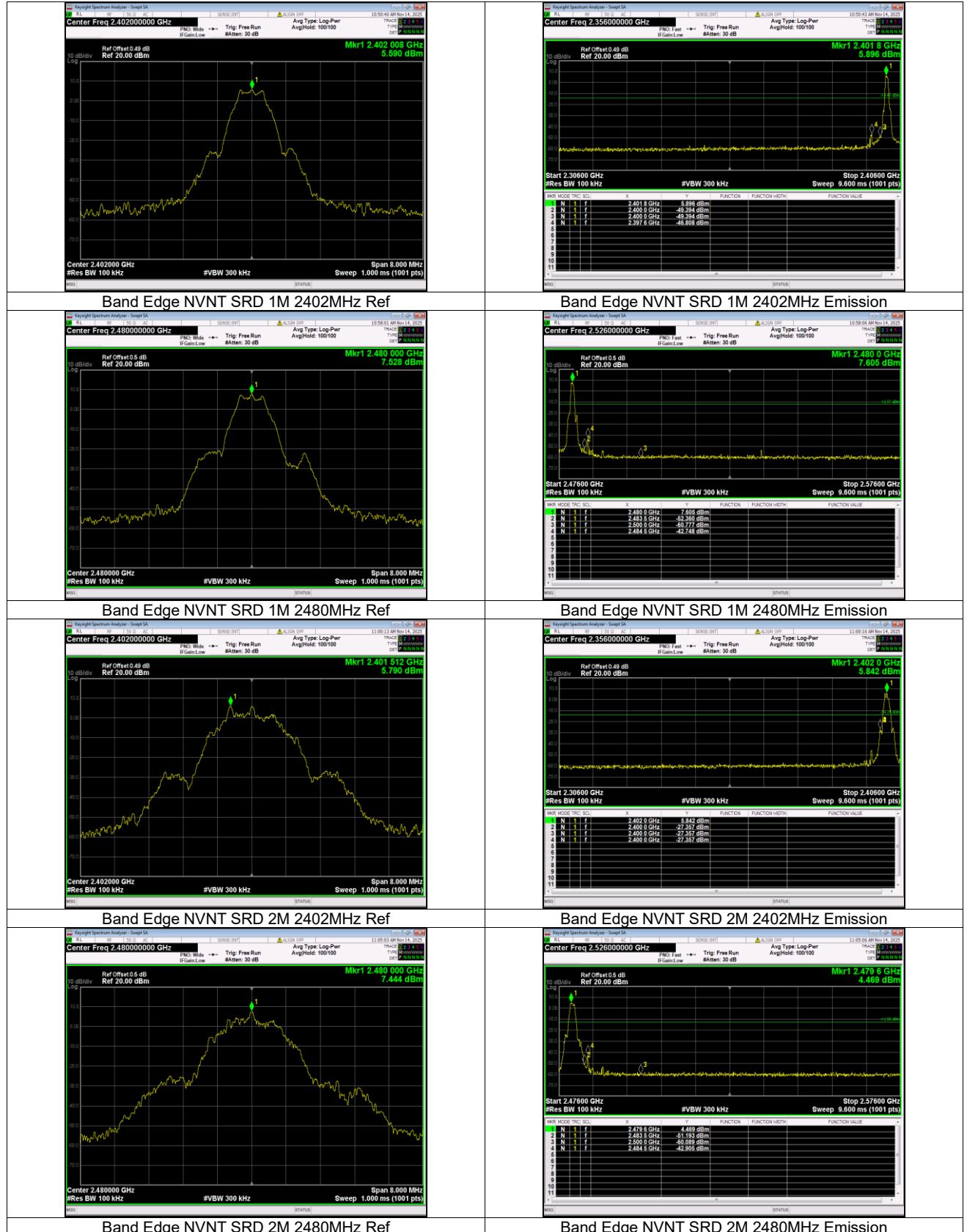
Maximum Power Spectral Density Level

Mode	Frequency (MHz)	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
SRD 1M	2402	-9.06	0	-9.06	8	Pass
SRD 1M	2440	-7	0	-7	8	Pass
SRD 1M	2480	-7.02	0	-7.02	8	Pass
SRD 2M	2402	-12.47	0	-12.47	8	Pass
SRD 2M	2440	-10.28	0	-10.28	8	Pass
SRD 2M	2480	-10.18	0	-10.18	8	Pass



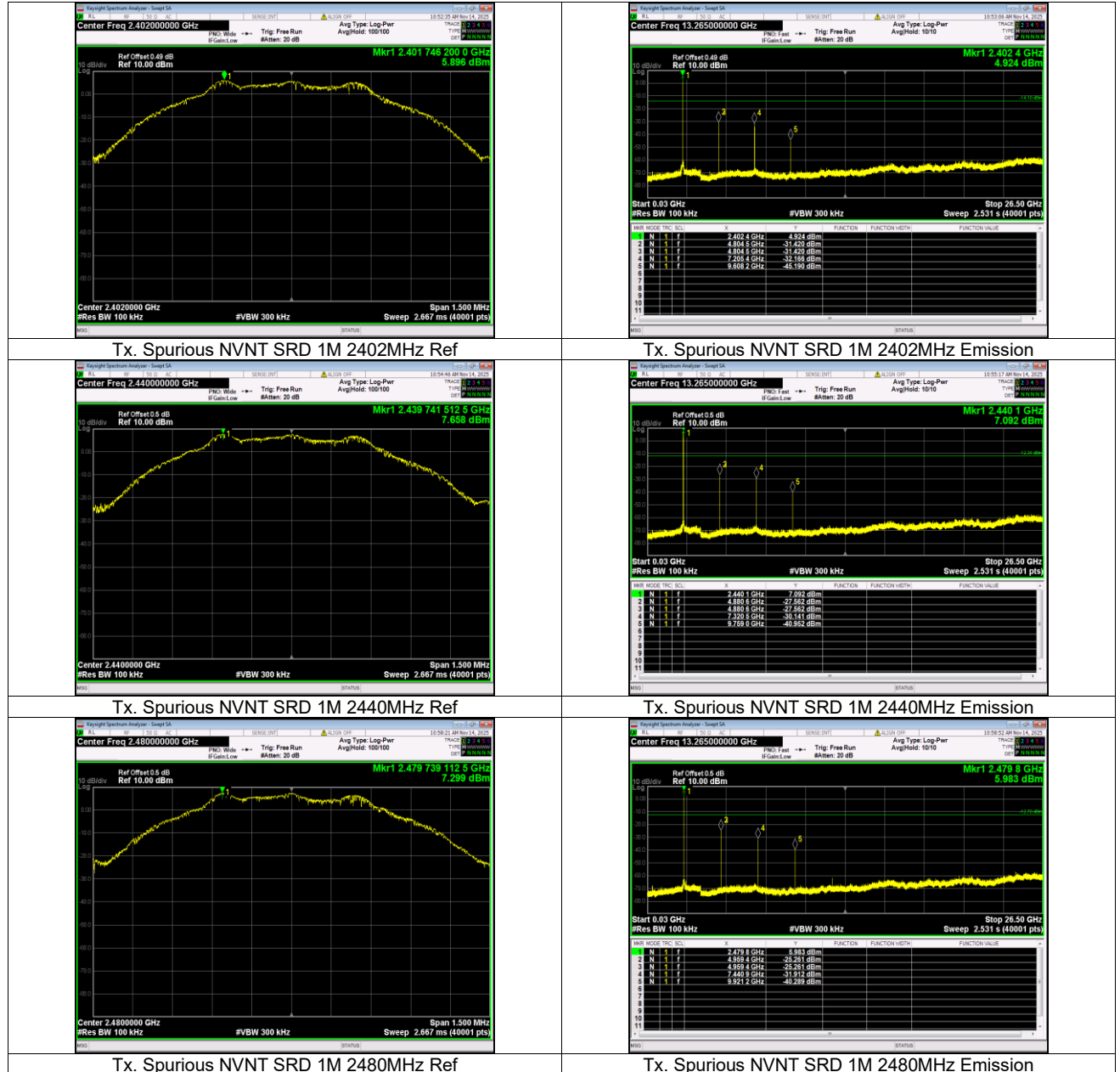
Band Edge

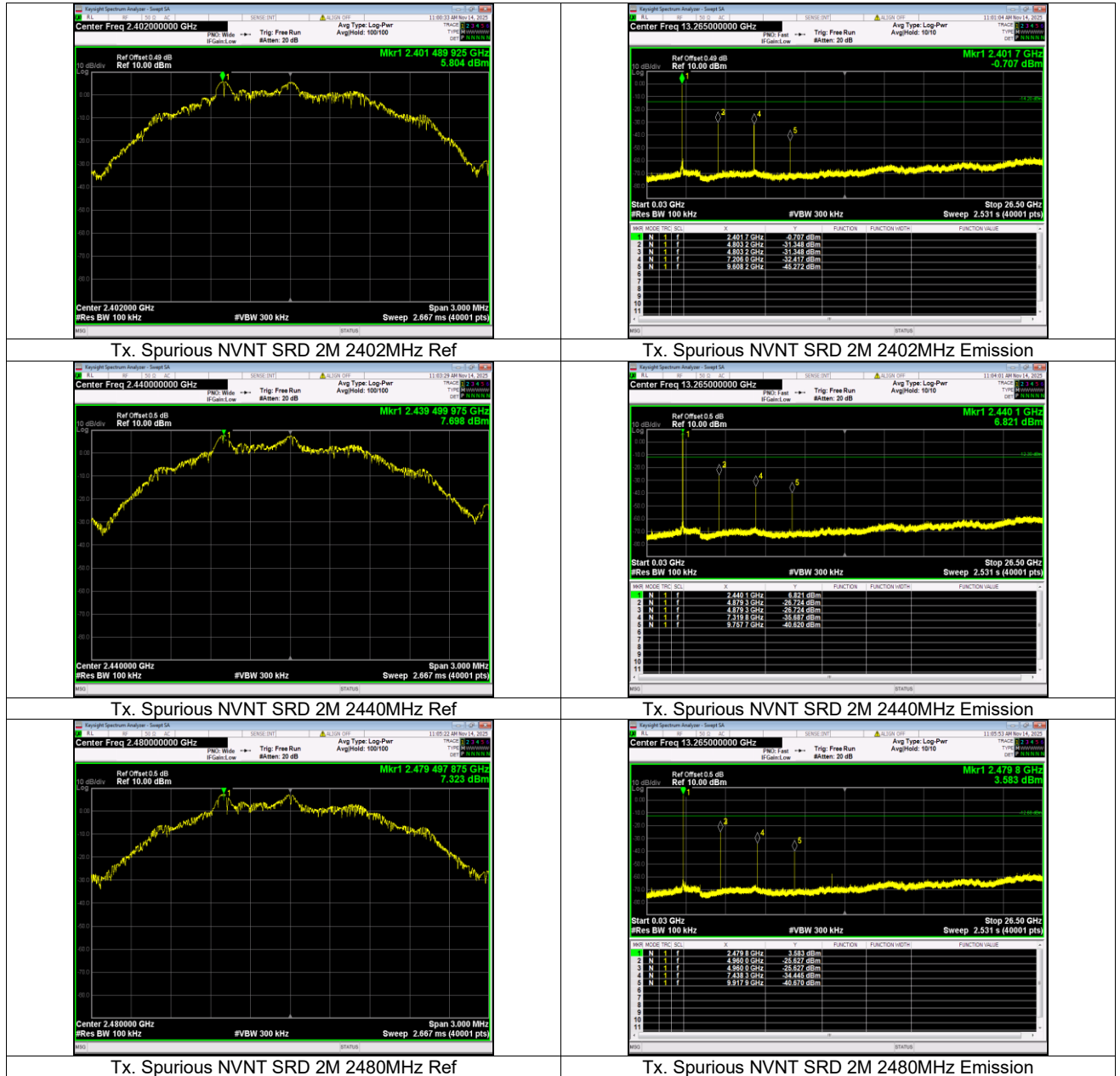
Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
SRD 1M	2402	-52.39	-20	Pass
SRD 1M	2480	-50.27	-20	Pass
SRD 2M	2402	-33.14	-20	Pass
SRD 2M	2480	-50.34	-20	Pass



Conducted RF Spurious Emission

Mode	Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
SRD 1M	2402	-37.32	-20	Pass
SRD 1M	2440	-35.22	-20	Pass
SRD 1M	2480	-32.56	-20	Pass
SRD 2M	2402	-37.14	-20	Pass
SRD 2M	2440	-34.42	-20	Pass
SRD 2M	2480	-32.94	-20	Pass





Restrict Band

Mode	Frequency (MHz)	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
SRD 1M	2402	2310	-50.29	2	46.97	Peak	74	Pass
SRD 1M	2402	2310	-60.15	2	37.11	Average	54	Pass
SRD 1M	2402	2388.336	-46.71	2	50.55	Peak	74	Pass
SRD 1M	2402	2372.016	-57.85	2	39.41	Average	54	Pass
SRD 1M	2402	2390	-49.33	2	47.93	Peak	74	Pass
SRD 1M	2402	2390	-58.01	2	39.25	Average	54	Pass
SRD 1M	2480	2483.5	-45.02	2	52.24	Peak	74	Pass
SRD 1M	2480	2483.5	-52.95	2	44.31	Average	54	Pass
SRD 1M	2480	2484.28	-36.58	2	60.68	Peak	74	Pass
SRD 1M	2480	2483.512	-52.95	2	44.31	Average	54	Pass
SRD 1M	2480	2500	-49.23	2	48.03	Peak	74	Pass
SRD 1M	2480	2500	-58.79	2	38.47	Average	54	Pass
SRD 2M	2402	2310	-50.75	2	46.51	Peak	74	Pass
SRD 2M	2402	2310	-59.54	2	37.72	Average	54	Pass
SRD 2M	2402	2378.64	-46.8	2	50.46	Peak	74	Pass
SRD 2M	2402	2378.256	-57.39	2	39.87	Average	54	Pass
SRD 2M	2402	2390	-50.9	2	46.36	Peak	74	Pass
SRD 2M	2402	2390	-57.7	2	39.56	Average	54	Pass
SRD 2M	2480	2483.5	-33.59	2	63.67	Peak	74	Pass
SRD 2M	2480	2483.5	-43.74	2	53.52	Average	54	Pass
SRD 2M	2480	2483.512	-33.59	2	63.67	Peak	74	Pass
SRD 2M	2480	2483.512	-43.74	2	53.52	Average	54	Pass
SRD 2M	2480	2500	-51.71	2	45.55	Peak	74	Pass
SRD 2M	2480	2500	-58.83	2	38.43	Average	54	Pass

Note:

1. Convert the resultant EIRP to an equivalent electric field strength using the following relationship:

$$E = \text{EIRP} - 20 \log d + 104.8$$

Where,

E is the electric field strength in dBuV/m

EIRP is the equivalent isotropically radiated power in dBm

d is the specified measurement distance in m

2. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP (see C63.10 11.12.2.6 for guidance on determining the applicable antenna gain), the EUT antenna gain(0.64dBi) less than 2dBi, therefore, a minimum gain of 2 dBi is used.

