

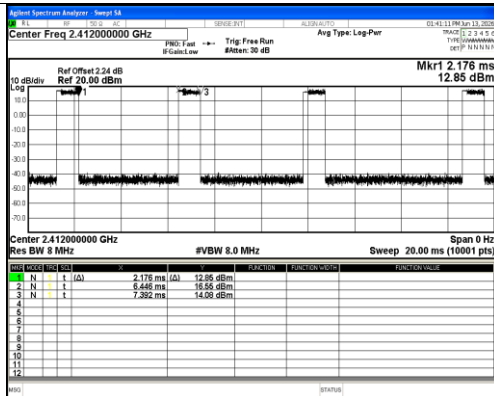
Appendix A: Test Results

Content

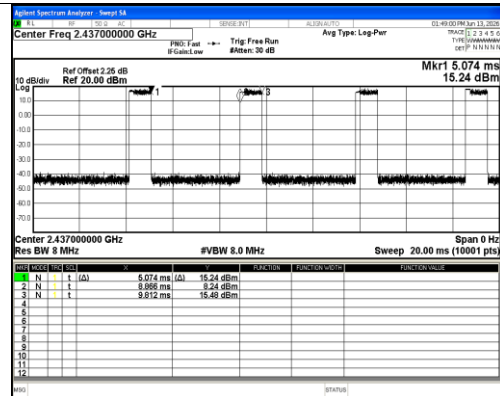
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Duty Cycle

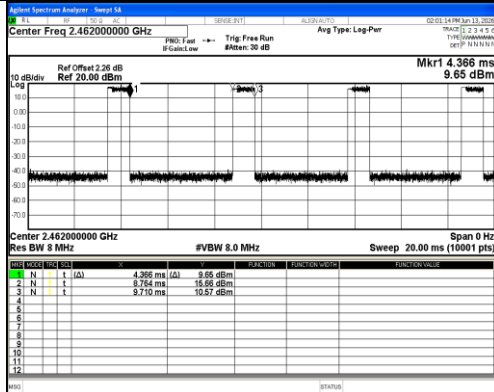
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	18.14	7.41	1.06
NVNT	b	2437	Ant1	19.97	7	1.06
NVNT	b	2462	Ant1	17.7	7.52	1.06
NVNT	g	2412	Ant1	25.43	5.95	0.71
NVNT	g	2437	Ant1	30.56	5.15	0.71
NVNT	g	2462	Ant1	29.73	5.27	0.71
NVNT	n20	2412	Ant1	24.33	6.14	0.76
NVNT	n20	2437	Ant1	25.7	5.9	0.76
NVNT	n20	2462	Ant1	27.06	5.68	0.76
NVNT	n40	2422	Ant1	14.45	8.4	1.53
NVNT	n40	2437	Ant1	12.73	8.95	1.53
NVNT	n40	2452	Ant1	10.39	9.83	1.53



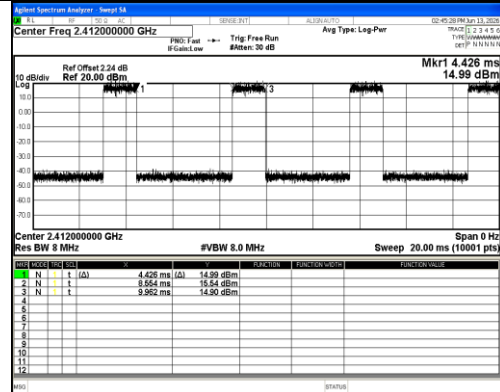
Duty Cycle NVNT b 2412MHz Ant1



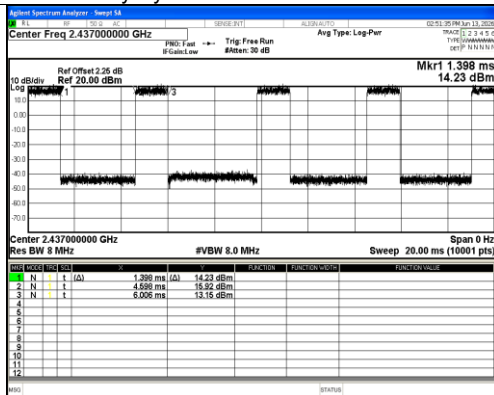
Duty Cycle NVNT b 2437MHz Ant1



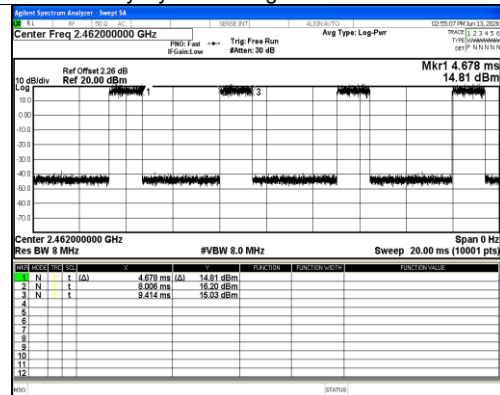
Duty Cycle NVNT b 2462MHz Ant1



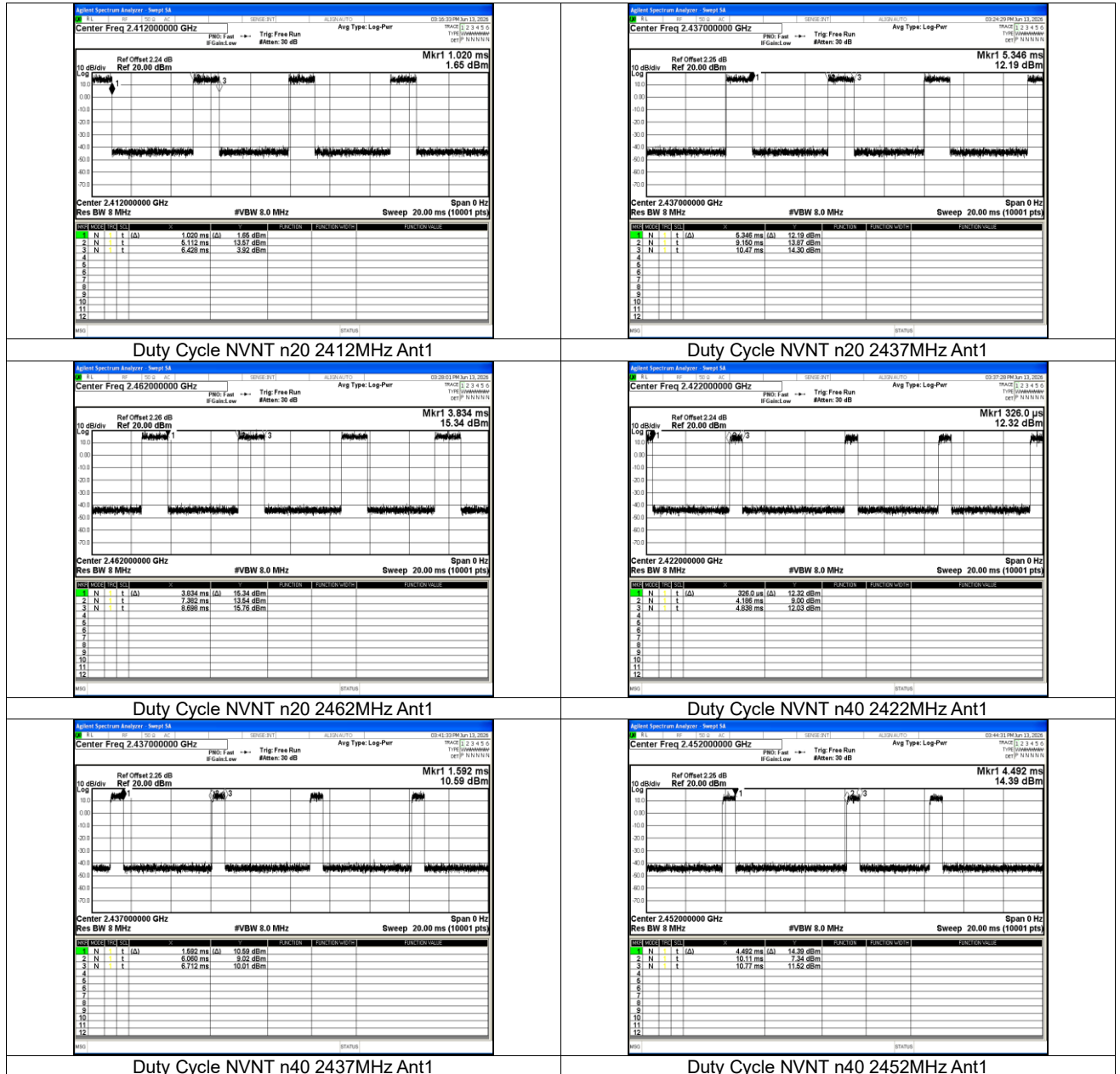
Duty Cycle NVNT g 2412MHz Ant1



Duty Cycle NVNT g 2437MHz Ant1



Duty Cycle NVNT g 2462MHz Ant1



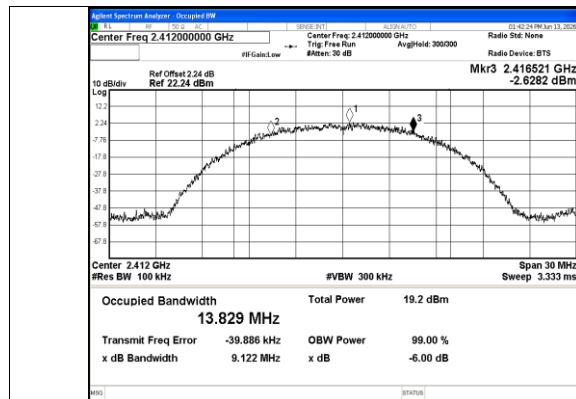
Maximum Average Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Conducted Power (W)	Gain (dBi)	eirp (dBm)	eirp (W)	Limit Conducted(dBm)	Limit EIRP (dBm)	Verdict
NVNT	b	2412	Ant1	13.4	0.02188	2.21	15.61	0.03639	30	36	Pass
NVNT	b	2437	Ant1	10.8	0.01202	2.21	13.01	0.02000	30	36	Pass
NVNT	b	2462	Ant1	12.49	0.01774	2.21	14.7	0.02951	30	36	Pass
NVNT	g	2412	Ant1	13.64	0.02312	2.21	15.85	0.03846	30	36	Pass
NVNT	g	2437	Ant1	12.99	0.01991	2.21	15.2	0.03311	30	36	Pass
NVNT	g	2462	Ant1	13.37	0.02173	2.21	15.58	0.03614	30	36	Pass
NVNT	n20	2412	Ant1	10.93	0.01239	2.21	13.14	0.02061	30	36	Pass
NVNT	n20	2437	Ant1	10.5	0.01122	2.21	12.71	0.01866	30	36	Pass
NVNT	n20	2462	Ant1	11.31	0.01352	2.21	13.52	0.02249	30	36	Pass
NVNT	n40	2422	Ant1	13.01	0.02	2.21	15.22	0.03327	30	36	Pass
NVNT	n40	2437	Ant1	12.5	0.01778	2.21	14.71	0.02958	30	36	Pass
NVNT	n40	2452	Ant1	12.54	0.01795	2.21	14.75	0.02985	30	36	Pass

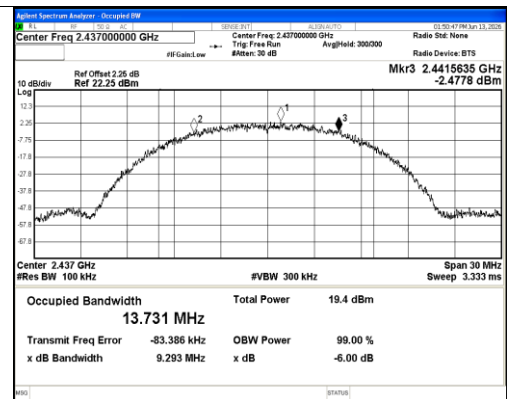
Note: For AVG power measurement results, the results already include the duty cycle factor.

-6dB Bandwidth

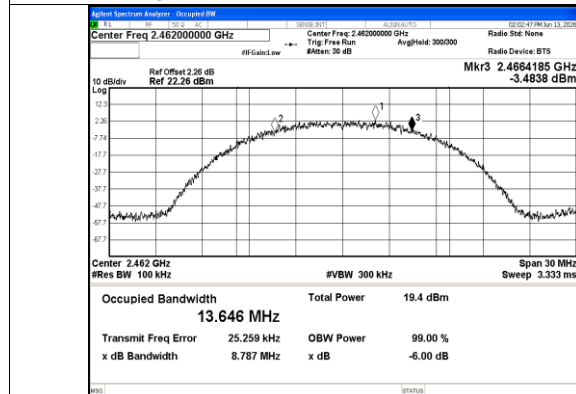
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.122	0.5	Pass
NVNT	b	2437	Ant1	9.293	0.5	Pass
NVNT	b	2462	Ant1	8.787	0.5	Pass
NVNT	g	2412	Ant1	14.39	0.5	Pass
NVNT	g	2437	Ant1	14.32	0.5	Pass
NVNT	g	2462	Ant1	13.78	0.5	Pass
NVNT	n20	2412	Ant1	15.05	0.5	Pass
NVNT	n20	2437	Ant1	13.83	0.5	Pass
NVNT	n20	2462	Ant1	15.01	0.5	Pass
NVNT	n40	2422	Ant1	28.73	0.5	Pass
NVNT	n40	2437	Ant1	26.23	0.5	Pass
NVNT	n40	2452	Ant1	32.47	0.5	Pass



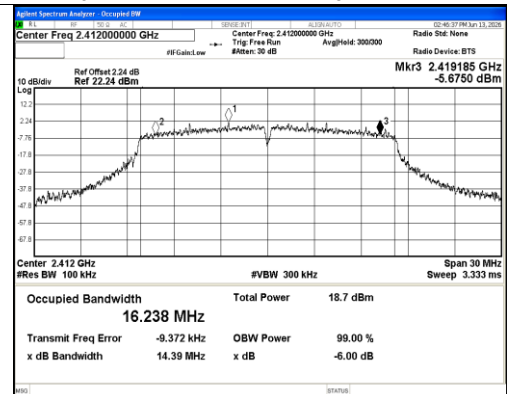
-6dB Bandwidth NVNT b 2412MHz Ant1



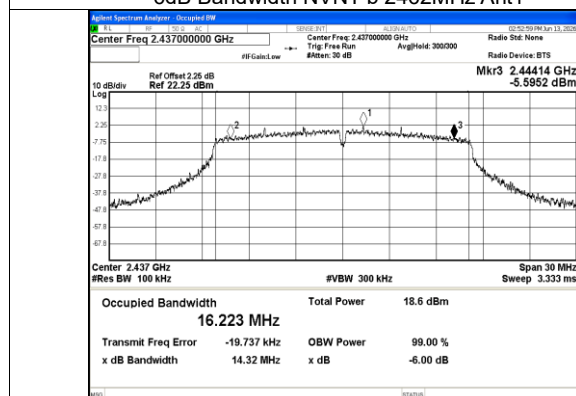
-6dB Bandwidth NVNT b 2437MHz Ant1



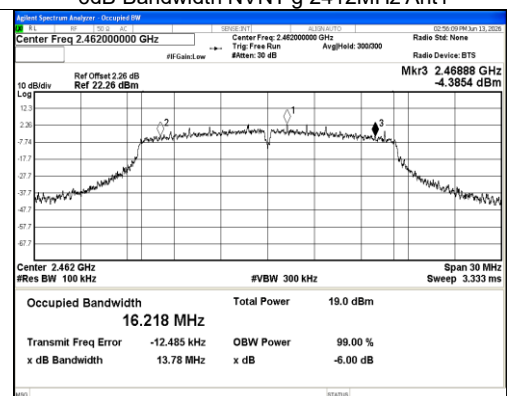
-6dB Bandwidth NVNT b 2462MHz Ant1



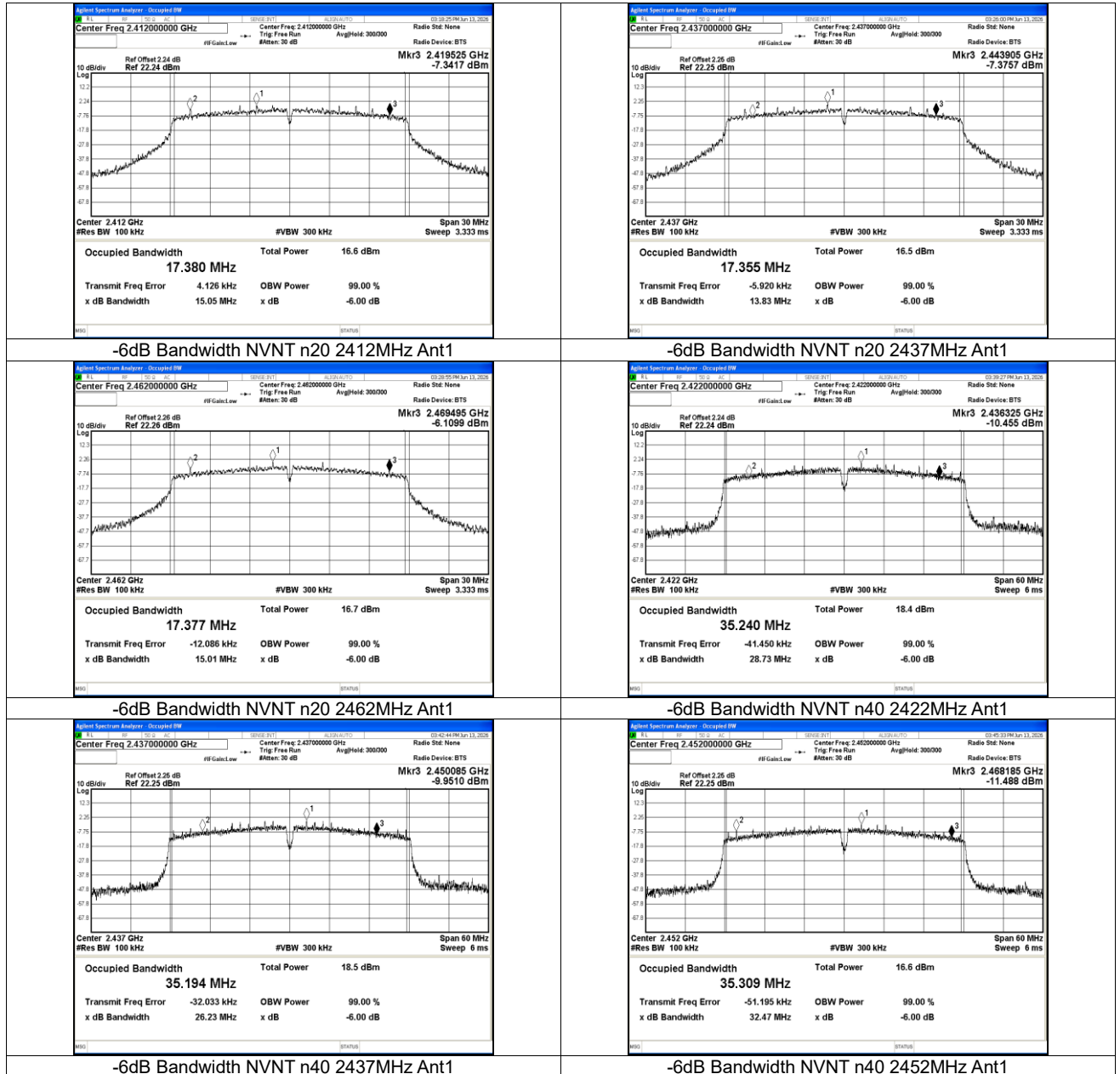
-6dB Bandwidth NVNT g 2412MHz Ant1



-6dB Bandwidth NVNT g 2437MHz Ant1

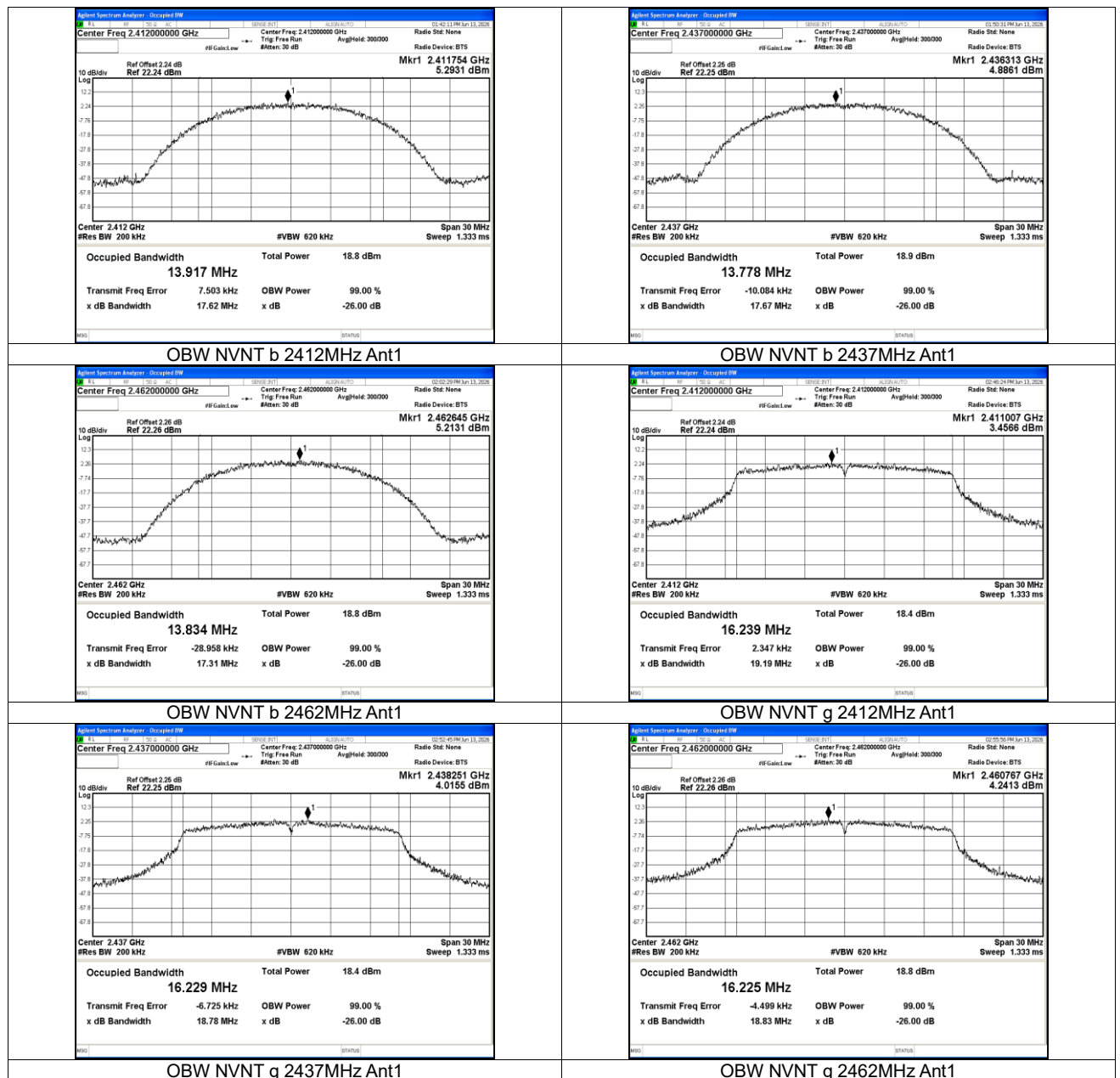


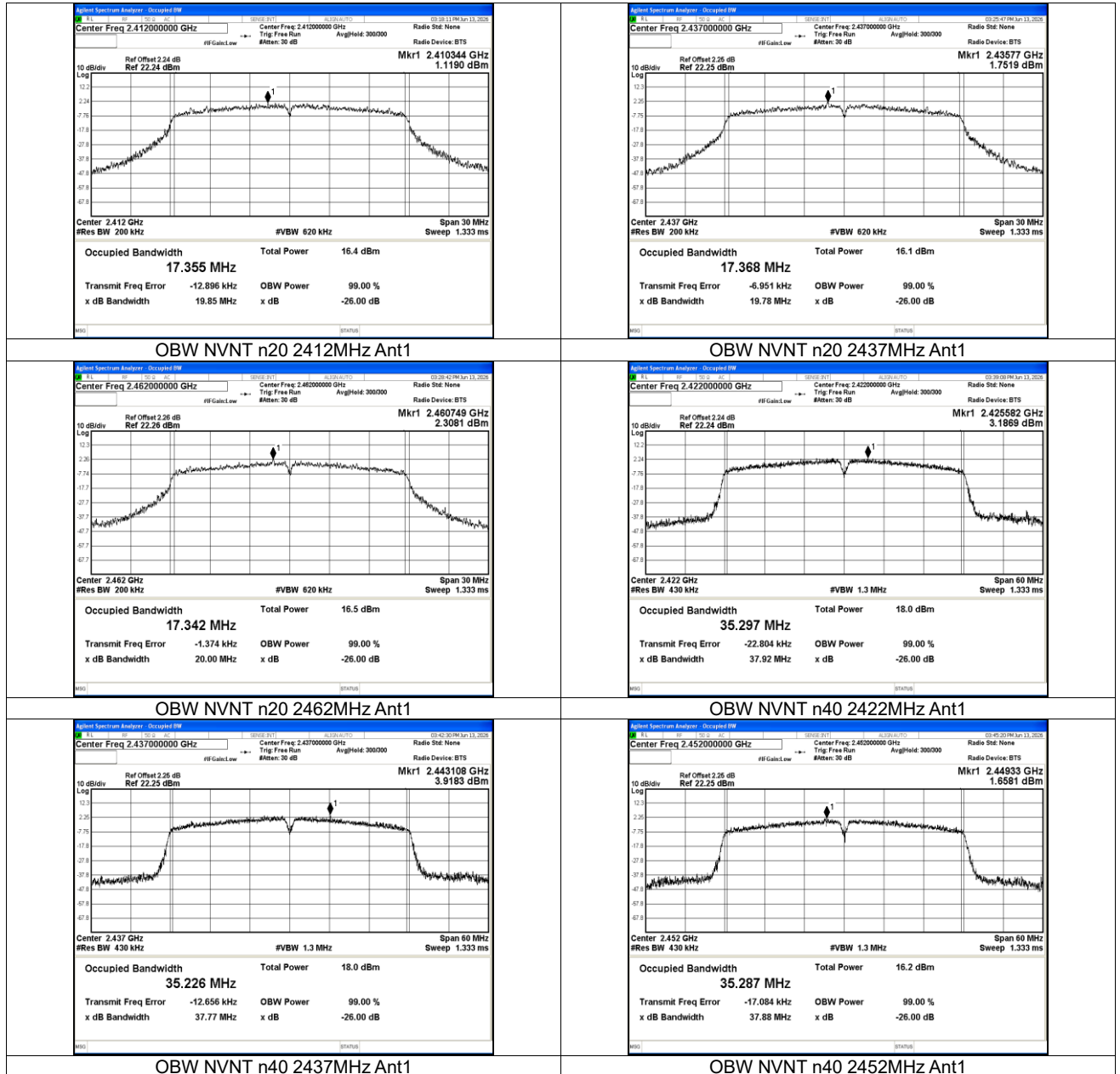
-6dB Bandwidth NVNT g 2462MHz Ant1



Occupied Channel Bandwidth

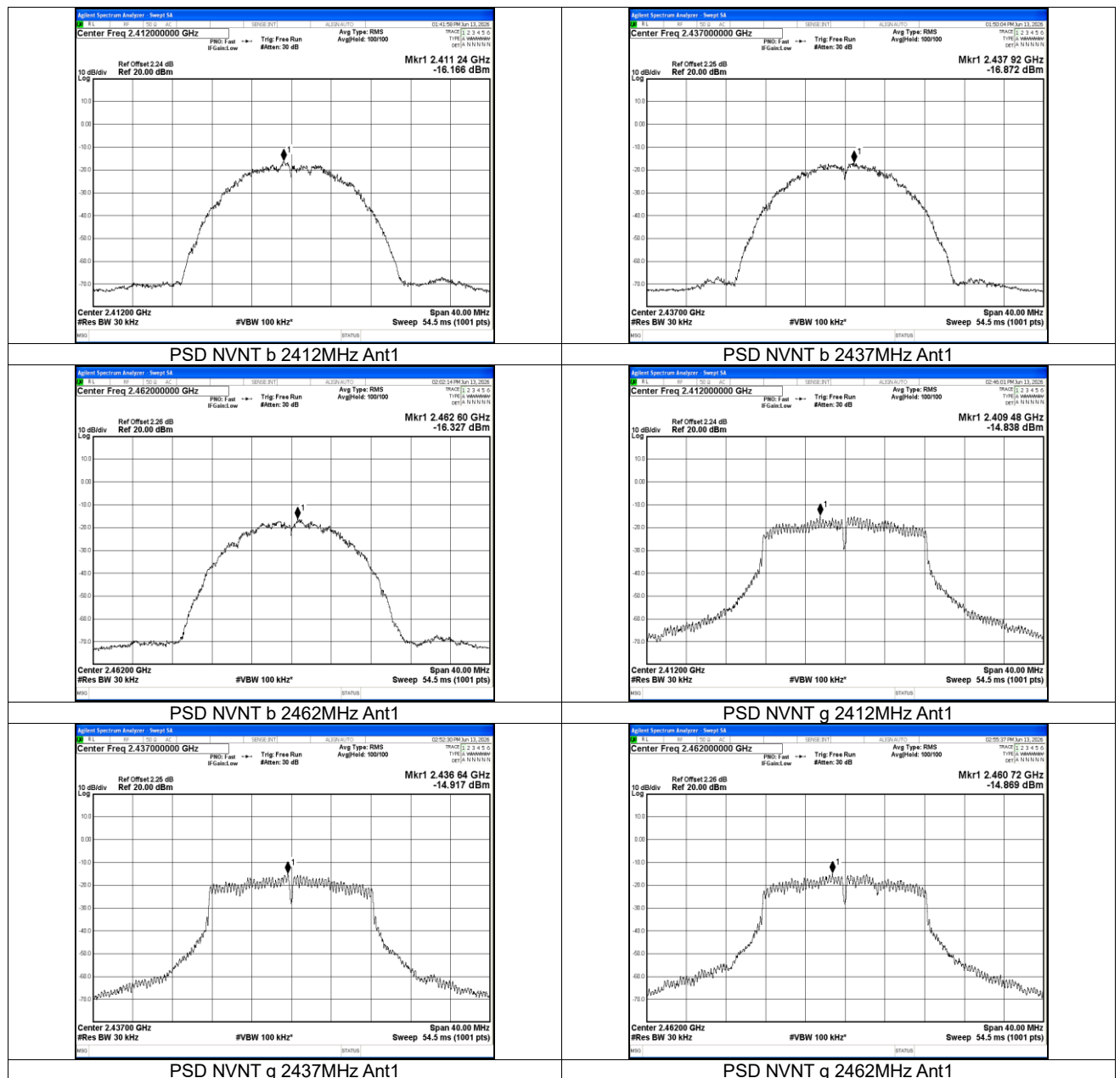
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	13.917
NVNT	b	2437	Ant1	13.778
NVNT	b	2462	Ant1	13.834
NVNT	g	2412	Ant1	16.239
NVNT	g	2437	Ant1	16.229
NVNT	g	2462	Ant1	16.225
NVNT	n20	2412	Ant1	17.355
NVNT	n20	2437	Ant1	17.368
NVNT	n20	2462	Ant1	17.342
NVNT	n40	2422	Ant1	35.297
NVNT	n40	2437	Ant1	35.226
NVNT	n40	2452	Ant1	35.287

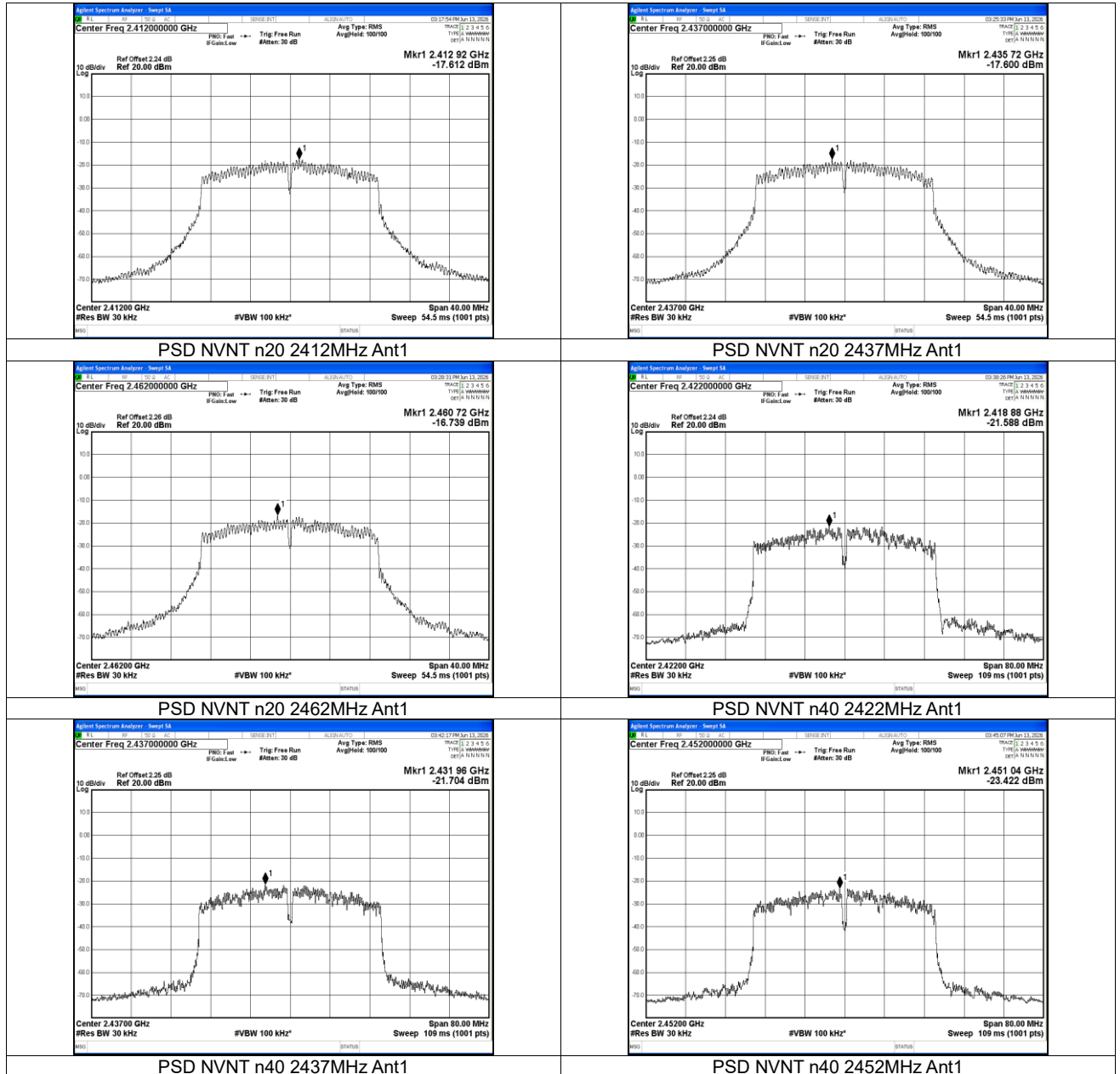




Maximum Power Spectral Density Level

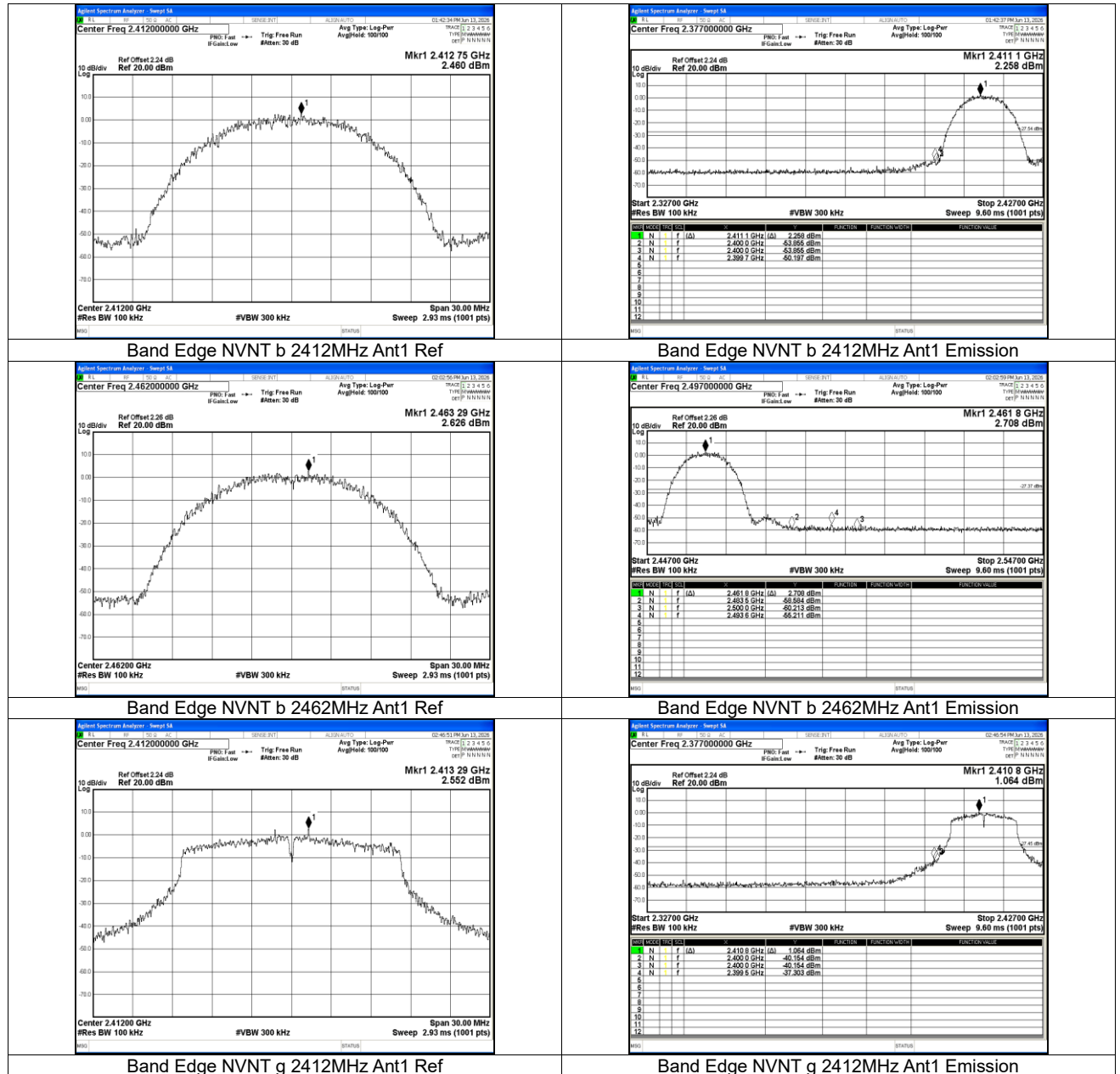
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-26.17	7.41	-18.76	8	Pass
NVNT	b	2437	Ant1	-26.87	7	-19.87	8	Pass
NVNT	b	2462	Ant1	-26.33	7.52	-18.81	8	Pass
NVNT	g	2412	Ant1	-24.84	5.95	-18.89	8	Pass
NVNT	g	2437	Ant1	-24.92	5.15	-19.77	8	Pass
NVNT	g	2462	Ant1	-24.87	5.27	-19.6	8	Pass
NVNT	n20	2412	Ant1	-27.61	6.14	-21.47	8	Pass
NVNT	n20	2437	Ant1	-27.6	5.9	-21.7	8	Pass
NVNT	n20	2462	Ant1	-26.74	5.68	-21.06	8	Pass
NVNT	n40	2422	Ant1	-31.59	8.4	-23.19	8	Pass
NVNT	n40	2437	Ant1	-31.7	8.95	-22.75	8	Pass
NVNT	n40	2452	Ant1	-33.42	9.83	-23.59	8	Pass

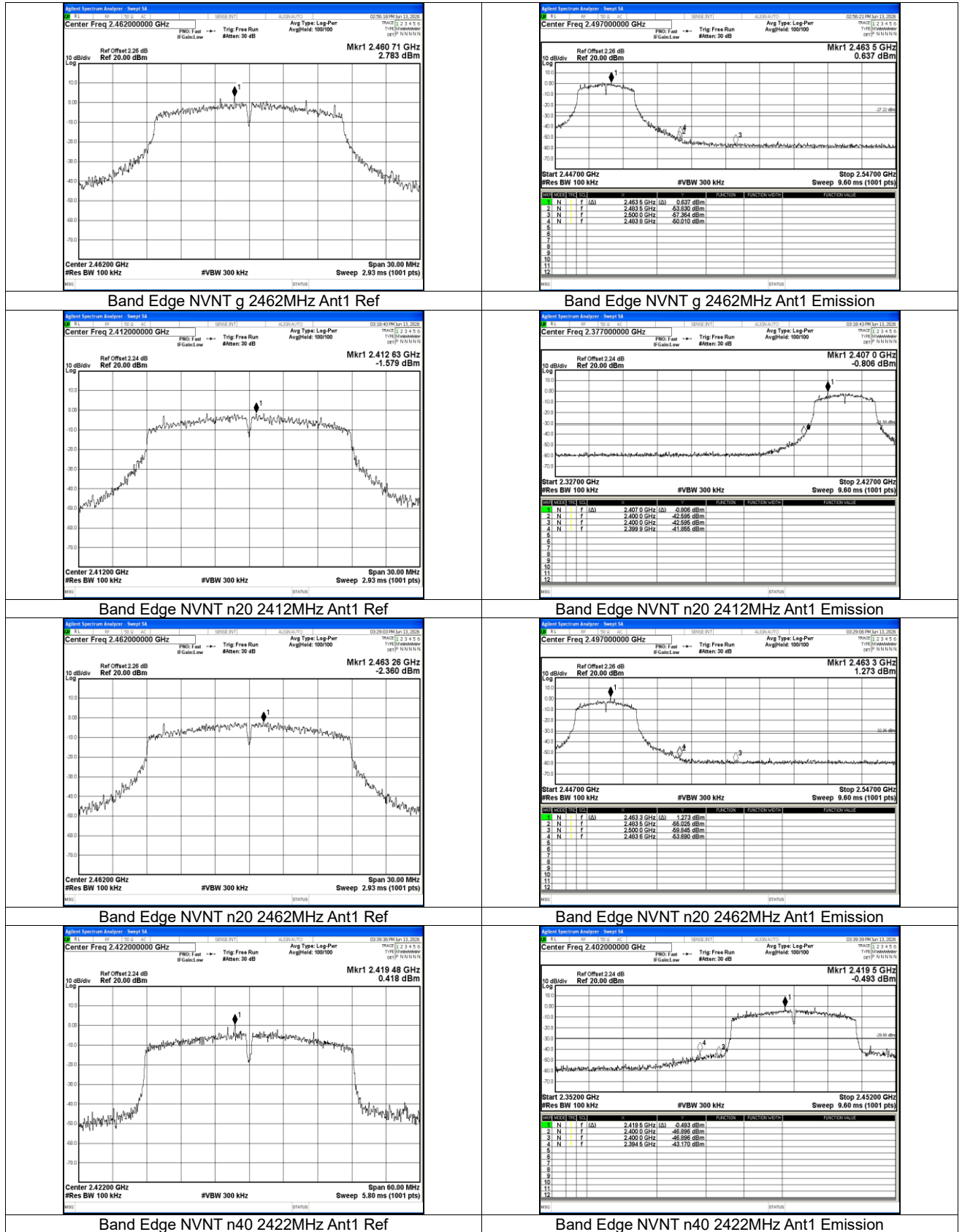


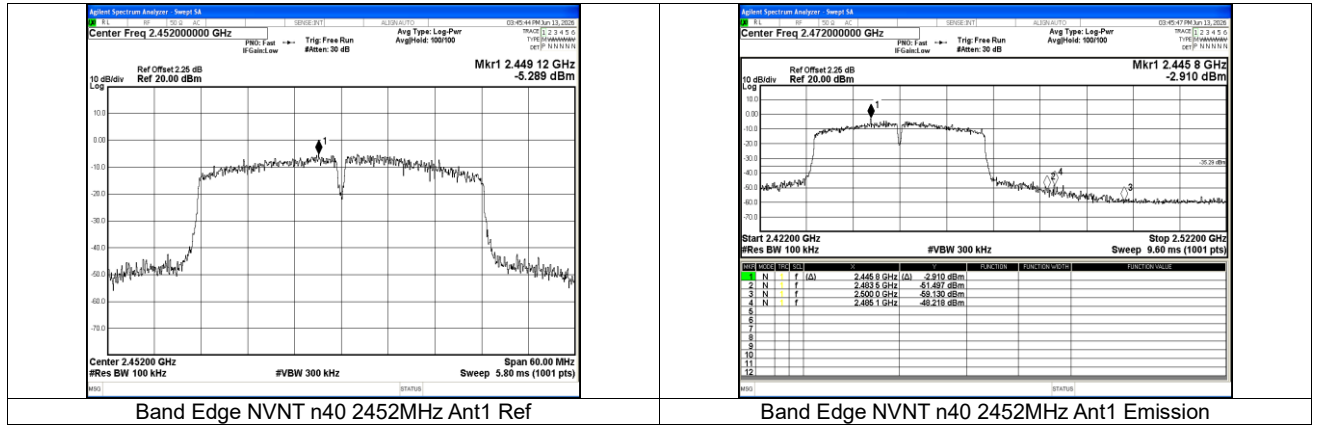


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-52.65	-30	Pass
NVNT	b	2462	Ant1	-57.84	-30	Pass
NVNT	g	2412	Ant1	-39.85	-30	Pass
NVNT	g	2462	Ant1	-52.78	-30	Pass
NVNT	n20	2412	Ant1	-40.27	-30	Pass
NVNT	n20	2462	Ant1	-51.32	-30	Pass
NVNT	n40	2422	Ant1	-43.59	-30	Pass
NVNT	n40	2452	Ant1	-42.92	-30	Pass

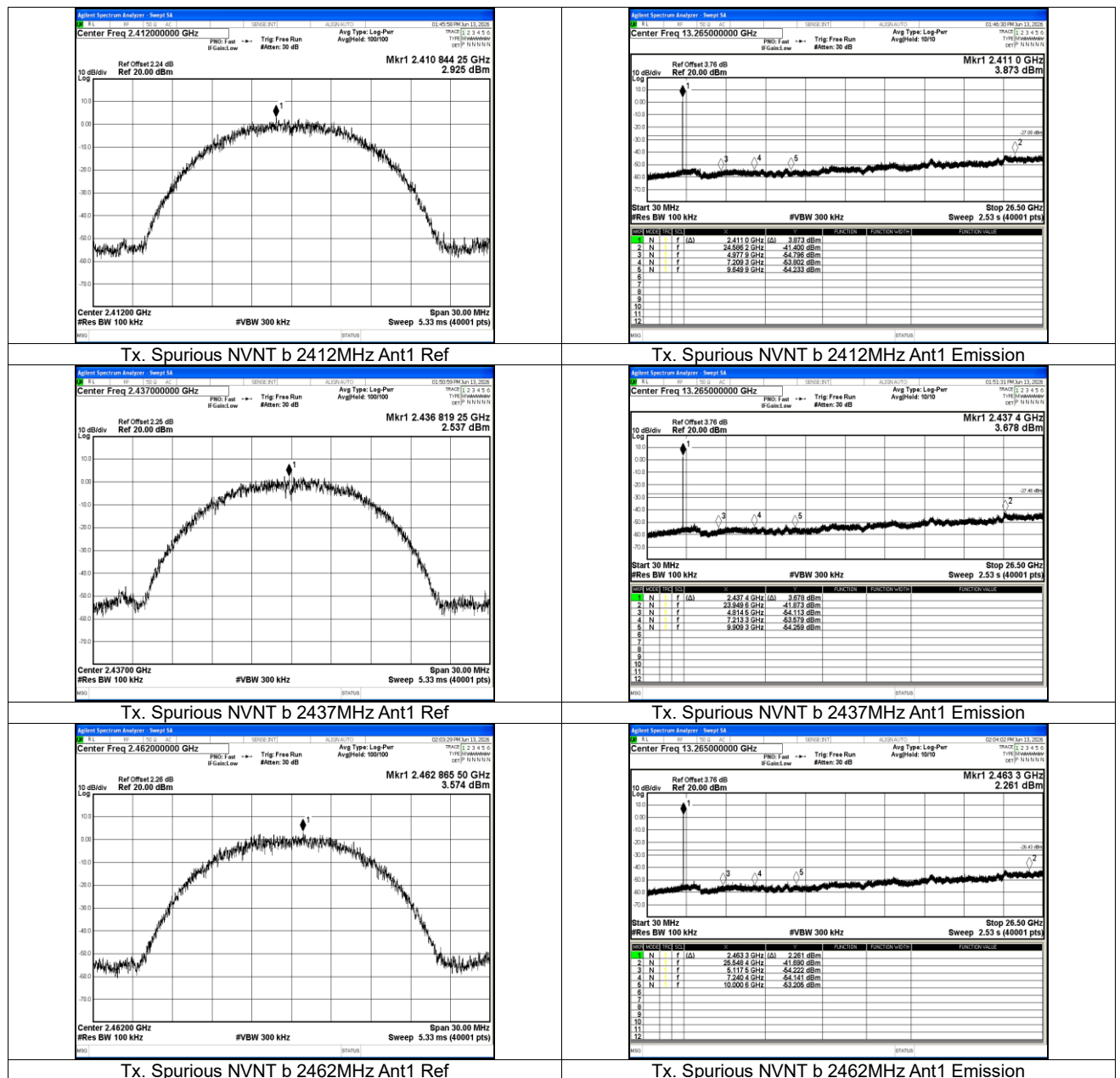


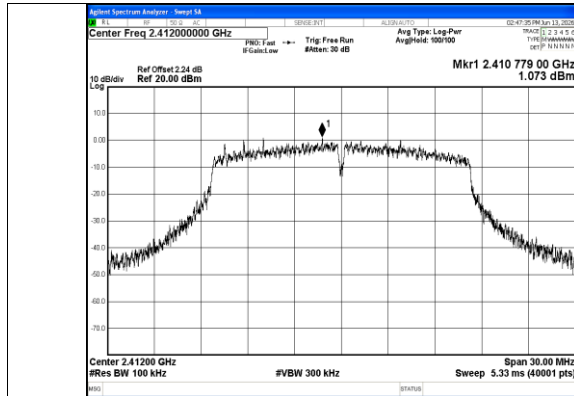




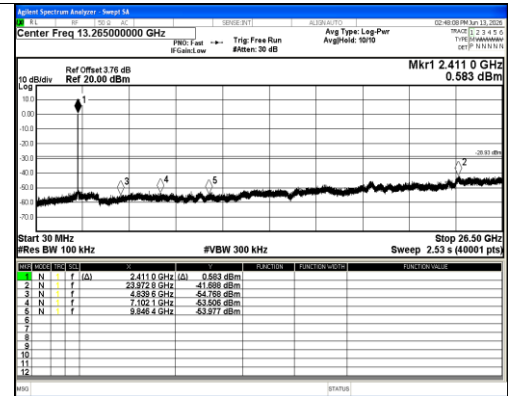
Conducted RF Spurious Emission

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-44.33	-30	Pass
NVNT	b	2437	Ant1	-44.41	-30	Pass
NVNT	b	2462	Ant1	-45.26	-30	Pass
NVNT	g	2412	Ant1	-42.75	-30	Pass
NVNT	g	2437	Ant1	-43.01	-30	Pass
NVNT	g	2462	Ant1	-43.52	-30	Pass
NVNT	n20	2412	Ant1	-41.21	-30	Pass
NVNT	n20	2437	Ant1	-42.56	-30	Pass
NVNT	n20	2462	Ant1	-40.57	-30	Pass
NVNT	n40	2422	Ant1	-40.29	-30	Pass
NVNT	n40	2437	Ant1	-42.11	-30	Pass
NVNT	n40	2452	Ant1	-39.01	-30	Pass

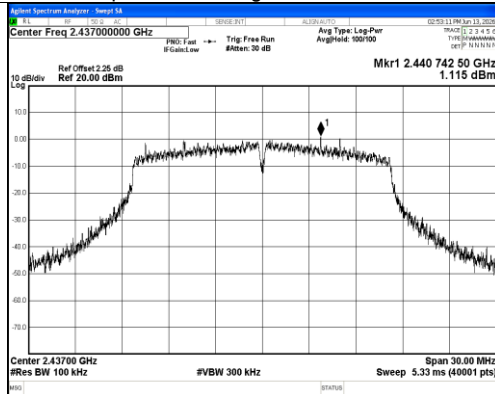




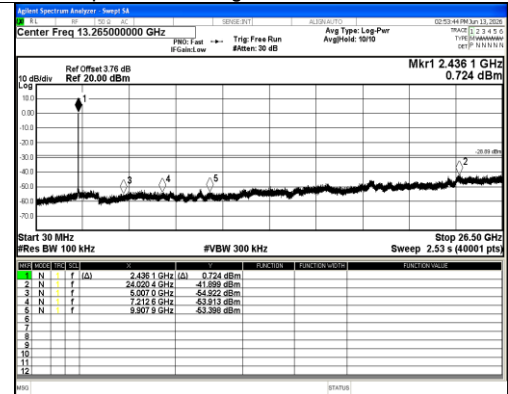
Tx. Spurious NVNT g 2412MHz Ant1 Ref



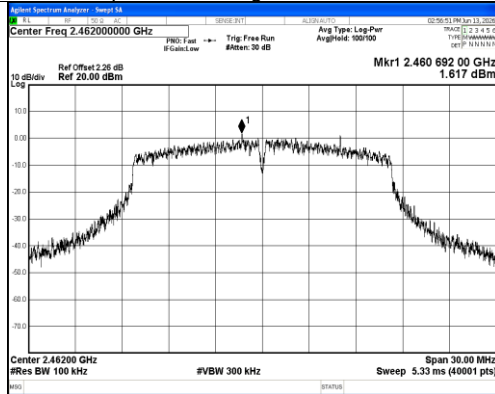
Tx. Spurious NVNT g 2412MHz Ant1 Emission



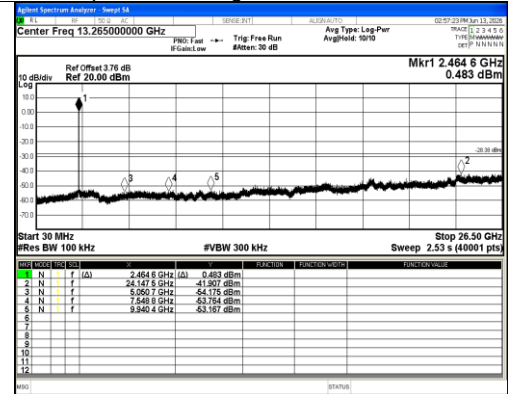
Tx. Spurious NVNT g 2437MHz Ant1 Ref



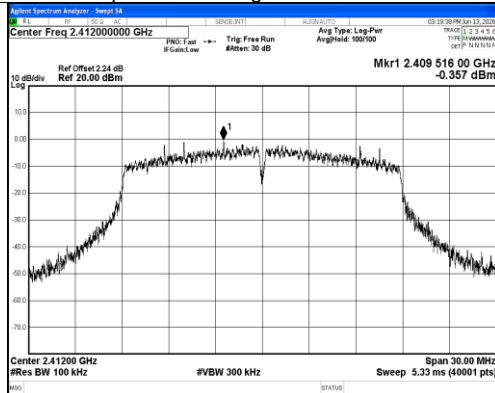
Tx. Spurious NVNT g 2437MHz Ant1 Emission



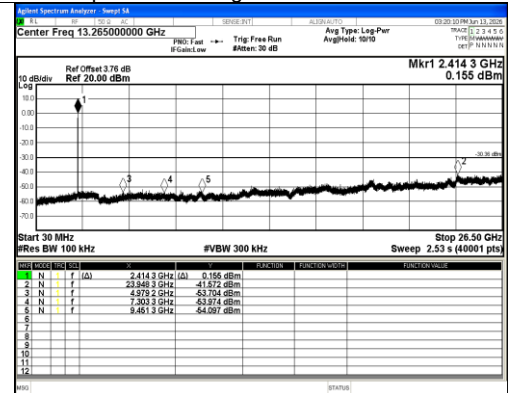
Tx. Spurious NVNT g 2462MHz Ant1 Ref



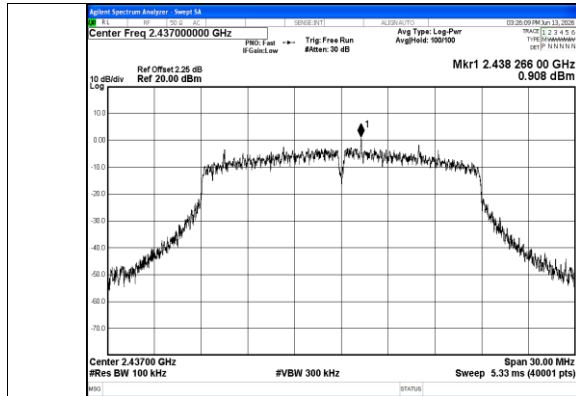
Tx. Spurious NVNT g 2462MHz Ant1 Emission



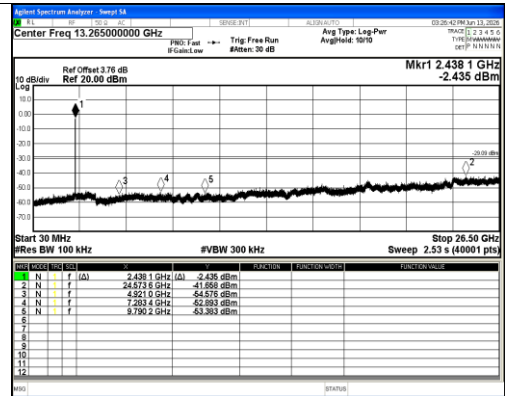
Tx. Spurious NVNT n20 2412MHz Ant1 Ref



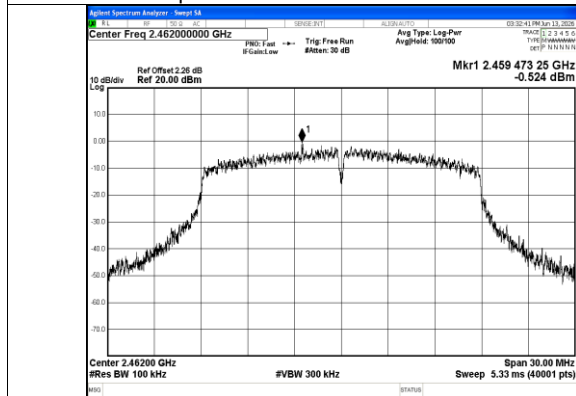
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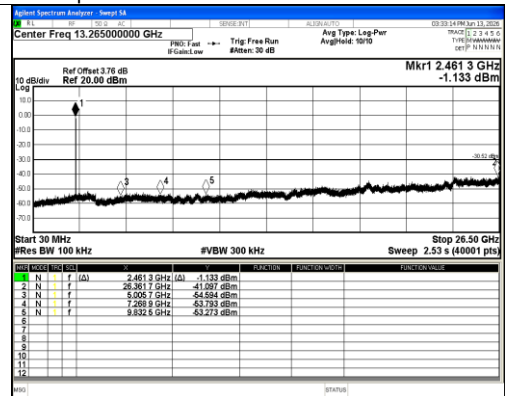
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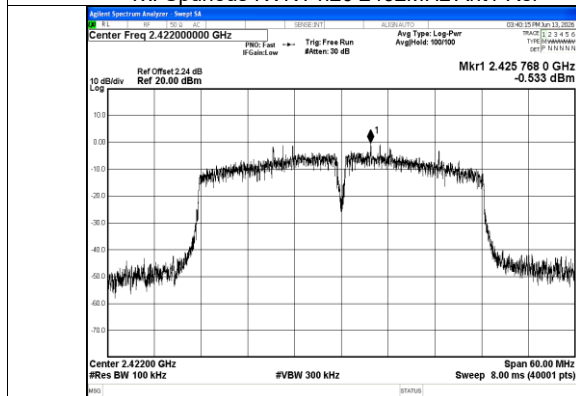
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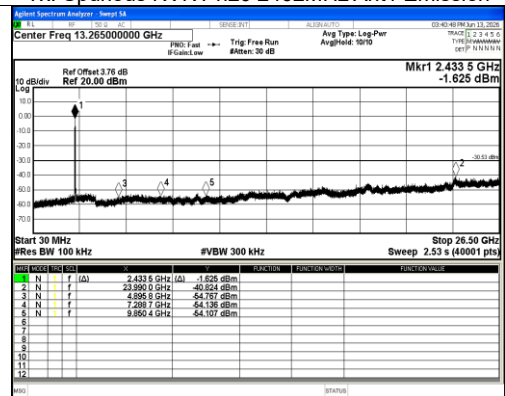
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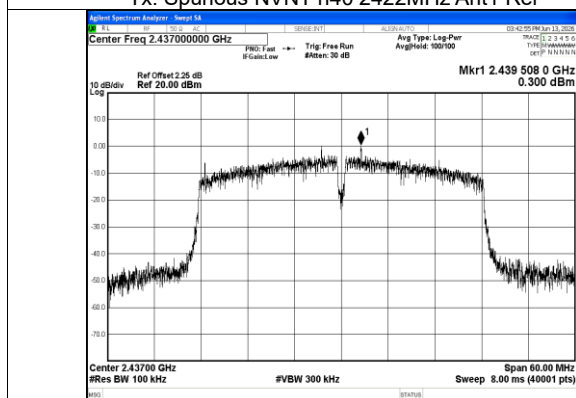
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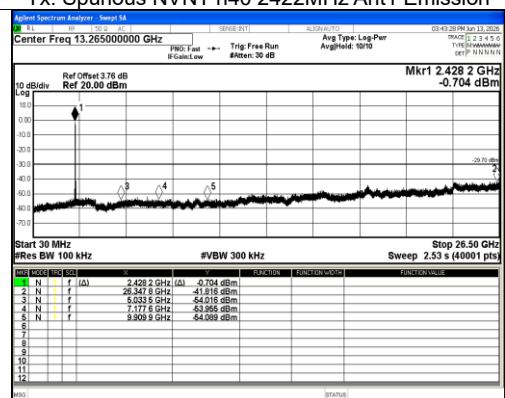
Tx. Spurious NVNT n40 2422MHz Ant1 Ref



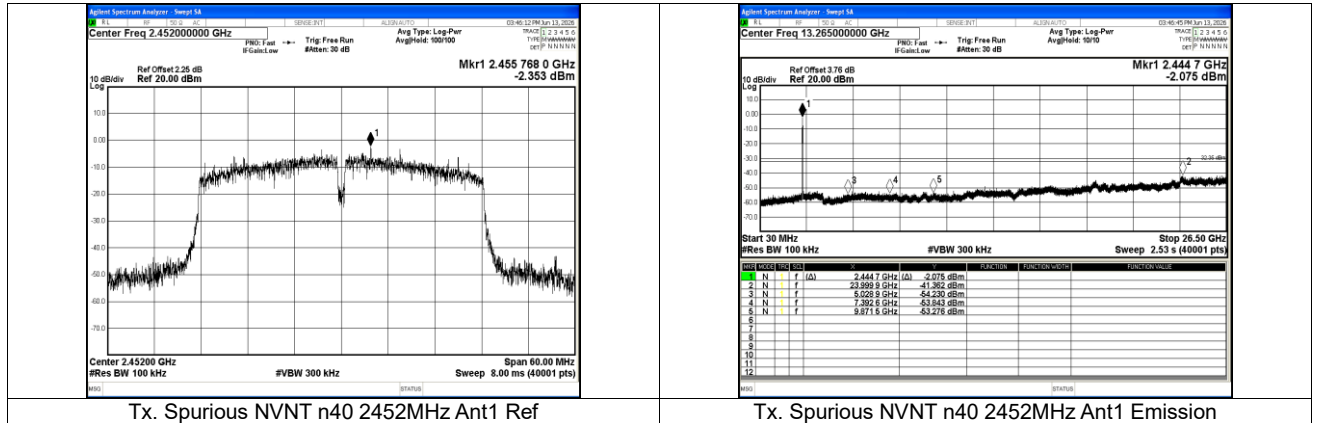
Tx. Spurious NVNT n40 2422MHz Ant1 Emission



Tx. Spurious NVNT n40 2437MHz Ant1 Ref

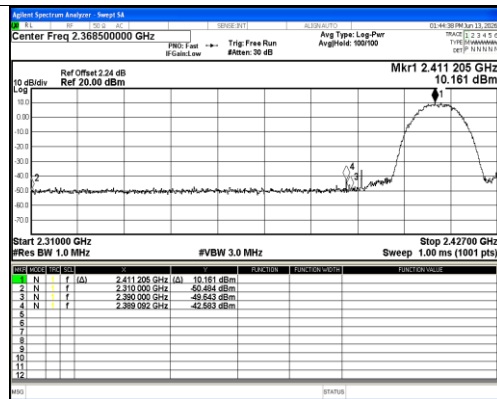


Tx. Spurious NVNT n40 2437MHz Ant1 Emission

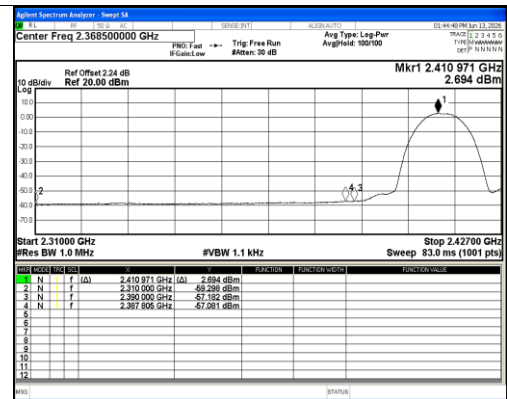


Restrict Band

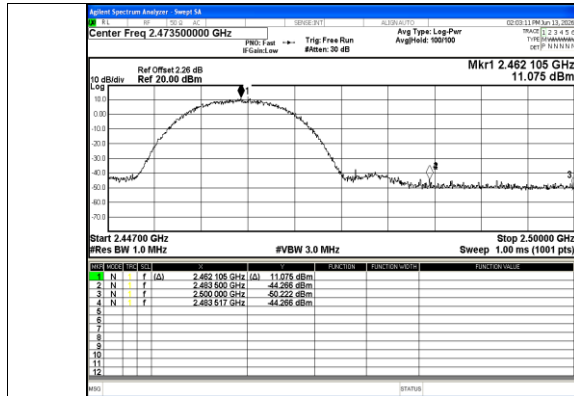
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant1	2310	-50.48	2.21	46.99	Peak	74	Pass
NVNT	b	2412	Ant1	2310	-59.29	2.21	38.18	Average	54	Pass
NVNT	b	2412	Ant1	2389.092	-42.58	2.21	54.89	Peak	74	Pass
NVNT	b	2412	Ant1	2387.805	-57.08	2.21	40.39	Average	54	Pass
NVNT	b	2412	Ant1	2390	-49.64	2.21	47.83	Peak	74	Pass
NVNT	b	2412	Ant1	2390	-57.18	2.21	40.29	Average	54	Pass
NVNT	b	2462	Ant1	2483.5	-44.26	2.21	53.21	Peak	74	Pass
NVNT	b	2462	Ant1	2483.5	-57.02	2.21	40.45	Average	54	Pass
NVNT	b	2462	Ant1	2483.517	-44.26	2.21	53.21	Peak	74	Pass
NVNT	b	2462	Ant1	2483.729	-56.85	2.21	40.62	Average	54	Pass
NVNT	b	2462	Ant1	2500	-50.22	2.21	47.25	Peak	74	Pass
NVNT	b	2462	Ant1	2500	-57.9	2.21	39.57	Average	54	Pass
NVNT	g	2412	Ant1	2310	-49.32	2.21	48.15	Peak	74	Pass
NVNT	g	2412	Ant1	2310	-57.2	2.21	40.27	Average	54	Pass
NVNT	g	2412	Ant1	2389.092	-42.03	2.21	55.44	Peak	74	Pass
NVNT	g	2412	Ant1	2389.911	-53.58	2.21	43.89	Average	54	Pass
NVNT	g	2412	Ant1	2390	-44.33	2.21	53.14	Peak	74	Pass
NVNT	g	2412	Ant1	2390	-53.31	2.21	44.16	Average	54	Pass
NVNT	g	2462	Ant1	2483.5	-42.76	2.21	54.71	Peak	74	Pass
NVNT	g	2462	Ant1	2483.5	-52.29	2.21	45.18	Average	54	Pass
NVNT	g	2462	Ant1	2485.001	-35.9	2.21	61.57	Peak	74	Pass
NVNT	g	2462	Ant1	2483.517	-52.29	2.21	45.18	Average	54	Pass
NVNT	g	2462	Ant1	2500	-48.74	2.21	48.73	Peak	74	Pass
NVNT	g	2462	Ant1	2500	-56.49	2.21	40.98	Average	54	Pass
NVNT	n20	2412	Ant1	2310	-50.95	2.21	46.52	Peak	74	Pass
NVNT	n20	2412	Ant1	2310	-59.26	2.21	38.21	Average	54	Pass
NVNT	n20	2412	Ant1	2377.509	-45.81	2.21	51.66	Peak	74	Pass
NVNT	n20	2412	Ant1	2389.911	-56.5	2.21	40.97	Average	54	Pass
NVNT	n20	2412	Ant1	2390	-47.18	2.21	50.29	Peak	74	Pass
NVNT	n20	2412	Ant1	2390	-56.26	2.21	41.21	Average	54	Pass
NVNT	n20	2462	Ant1	2483.5	-43.41	2.21	54.06	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.5	-54.92	2.21	42.55	Average	54	Pass
NVNT	n20	2462	Ant1	2486.273	-41.76	2.21	55.71	Peak	74	Pass
NVNT	n20	2462	Ant1	2483.517	-54.92	2.21	42.55	Average	54	Pass
NVNT	n20	2462	Ant1	2500	-48.9	2.21	48.57	Peak	74	Pass
NVNT	n20	2462	Ant1	2500	-58.29	2.21	39.18	Average	54	Pass
NVNT	n40	2422	Ant1	2310	-49.31	2.21	48.16	Peak	74	Pass
NVNT	n40	2422	Ant1	2310	-57.37	2.21	40.1	Average	54	Pass
NVNT	n40	2422	Ant1	2389.662	-40.82	2.21	56.65	Peak	74	Pass
NVNT	n40	2422	Ant1	2389.236	-50.07	2.21	47.4	Average	54	Pass
NVNT	n40	2422	Ant1	2390	-43.68	2.21	53.79	Peak	74	Pass
NVNT	n40	2422	Ant1	2390	-50.1	2.21	47.37	Average	54	Pass
NVNT	n40	2452	Ant1	2483.5	-44.69	2.21	52.78	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.5	-50.39	2.21	47.08	Average	54	Pass
NVNT	n40	2452	Ant1	2485.492	-38.22	2.21	59.25	Peak	74	Pass
NVNT	n40	2452	Ant1	2483.932	-50.03	2.21	47.44	Average	54	Pass
NVNT	n40	2452	Ant1	2500	-49.51	2.21	47.96	Peak	74	Pass
NVNT	n40	2452	Ant1	2500	-57.25	2.21	40.22	Average	54	Pass



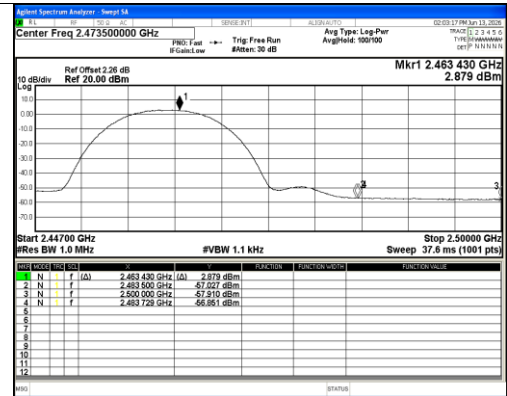
Restrict Band NVNT b 2412MHz Ant1 Peak



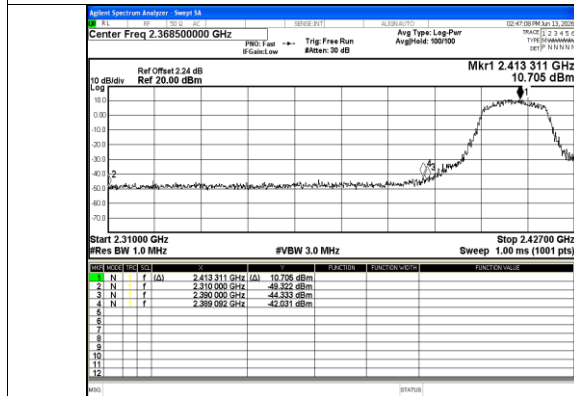
Restrict Band NVNT b 2412MHz Ant1 Average



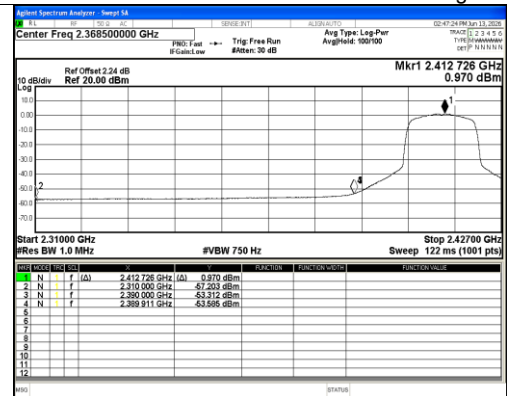
Restrict Band NVNT b 2462MHz Ant1 Peak



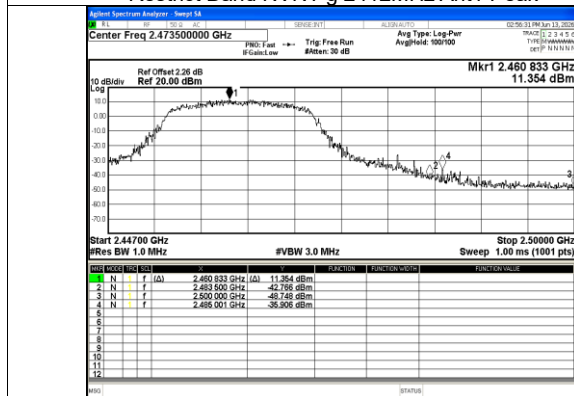
Restrict Band NVNT b 2462MHz Ant1 Average



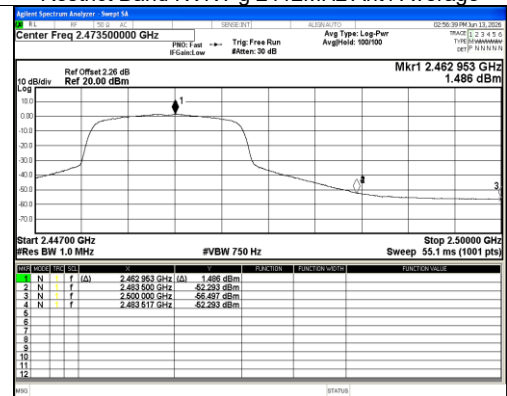
Restrict Band NVNT g 2412MHz Ant1 Peak



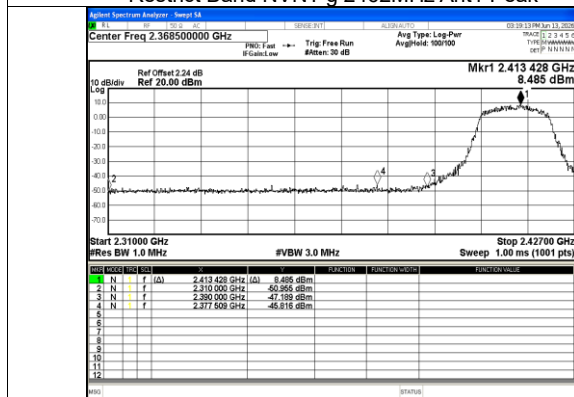
Restrict Band NVNT g 2412MHz Ant1 Average



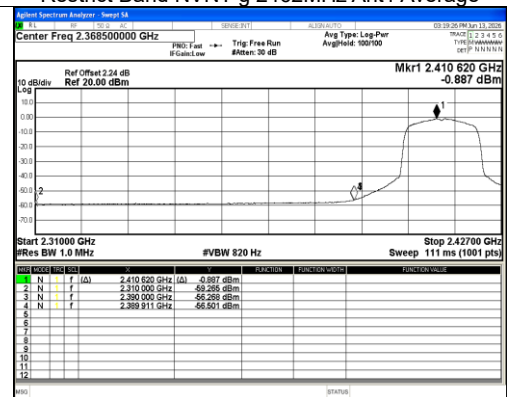
Restrict Band NVNT g 2462MHz Ant1 Peak



Restrict Band NVNT g 2462MHz Ant1 Average



Restrict Band NVNT n20 2412MHz Ant1 Peak



Restrict Band NVNT n20 2412MHz Ant1 Average

