

Appendix B:

Maximum Conducted Output Power

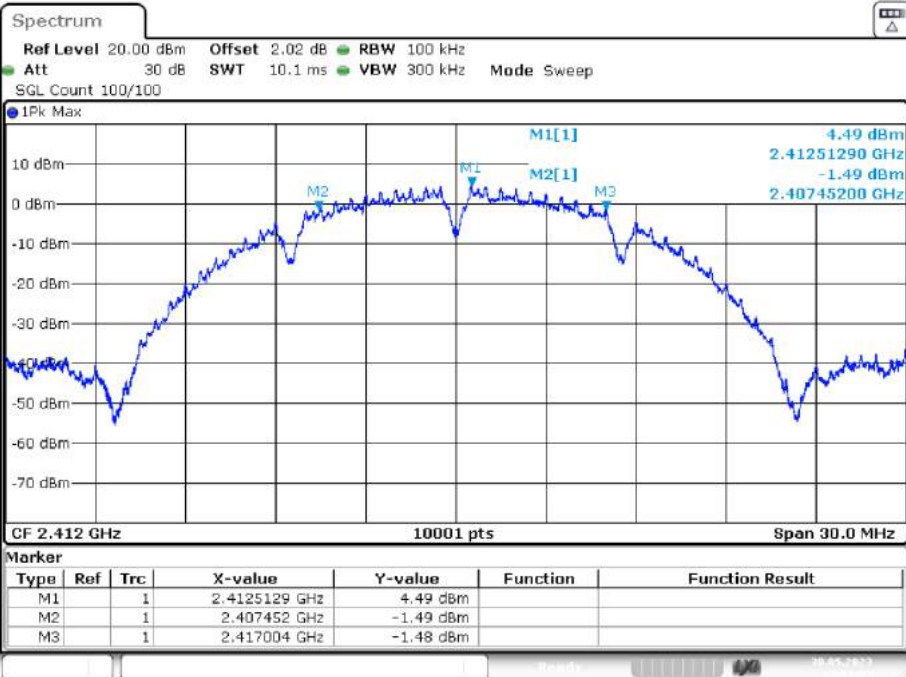
Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
b	2412	Ant1	14.45	0	14.45	30	17.85	36	Pass
b	2412	Ant2	14.39	0.12	14.51	30	18.43	36	Pass
b	2437	Ant1	14.34	0.11	14.45	30	17.85	36	Pass
b	2437	Ant2	14.42	0.12	14.54	30	18.46	36	Pass
b	2462	Ant1	14.46	0.12	14.58	30	17.98	36	Pass
b	2462	Ant2	14.56	0	14.56	30	18.48	36	Pass
g	2412	Ant1	13.32	0.61	13.93	30	17.33	36	Pass
g	2412	Ant2	13.19	0.71	13.9	30	17.82	36	Pass
g	2437	Ant1	13.58	0.49	14.07	30	17.47	36	Pass
g	2437	Ant2	13.19	0.52	13.71	30	17.63	36	Pass
g	2462	Ant1	13.01	0.65	13.66	30	17.06	36	Pass
g	2462	Ant2	13.34	0.52	13.86	30	17.78	36	Pass
n20	2412	Ant1	12.41	0.58	12.99	30	16.39	36	Pass
n20	2412	Ant2	12.07	0.76	12.83	30	16.75	36	Pass
n20	2412	Sum	15.25	-	15.92	29.33	19.58	36	Pass
n20	2437	Ant1	12.48	0.48	12.96	30	16.36	36	Pass
n20	2437	Ant2	12.22	0	12.22	30	16.14	36	Pass
n20	2437	Sum	15.36	-	15.62	29.33	19.26	36	Pass
n20	2462	Ant1	11.83	0.78	12.61	30	16.01	36	Pass
n20	2462	Ant2	11.91	0.76	12.67	30	16.59	36	Pass
n20	2462	Sum	14.88	-	15.65	29.33	19.32	36	Pass
n40	2422	Ant1	10.93	0	10.93	30	14.33	36	Pass
n40	2422	Ant2	10.82	1.09	11.91	30	15.83	36	Pass
n40	2422	Sum	13.89	-	14.46	29.33	18.15	36	Pass
n40	2437	Ant1	10.8	1.4	12.2	30	15.6	36	Pass
n40	2437	Ant2	10.48	0.9	11.38	30	15.3	36	Pass
n40	2437	Sum	13.65	-	14.82	29.33	18.46	36	Pass
n40	2452	Ant1	10.91	1.4	12.31	30	15.71	36	Pass
n40	2452	Ant2	10.32	1.45	11.77	30	15.69	36	Pass
n40	2452	Sum	13.64	-	15.06	29.33	18.71	36	Pass

-6dB Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.552	0.5	Pass
NVNT	b	2412	Ant2	9.561	0.5	Pass
NVNT	b	2437	Ant1	10.014	0.5	Pass
NVNT	b	2437	Ant2	9.564	0.5	Pass
NVNT	b	2462	Ant1	10.005	0.5	Pass
NVNT	b	2462	Ant2	10.011	0.5	Pass
NVNT	g	2412	Ant1	14.961	0.5	Pass
NVNT	g	2412	Ant2	15	0.5	Pass
NVNT	g	2437	Ant1	15.084	0.5	Pass
NVNT	g	2437	Ant2	15.081	0.5	Pass
NVNT	g	2462	Ant1	14.949	0.5	Pass
NVNT	g	2462	Ant2	15.069	0.5	Pass
NVNT	n20	2412	Ant1	15.078	0.5	Pass
NVNT	n20	2412	Ant2	15.015	0.5	Pass
NVNT	n20	2437	Ant1	15.063	0.5	Pass
NVNT	n20	2437	Ant2	15.051	0.5	Pass
NVNT	n20	2462	Ant1	15.099	0.5	Pass
NVNT	n20	2462	Ant2	15.021	0.5	Pass
NVNT	n40	2422	Ant1	33.804	0.5	Pass
NVNT	n40	2422	Ant2	33.804	0.5	Pass
NVNT	n40	2437	Ant1	33.768	0.5	Pass
NVNT	n40	2437	Ant2	33.84	0.5	Pass
NVNT	n40	2452	Ant1	34.986	0.5	Pass
NVNT	n40	2452	Ant2	33.774	0.5	Pass

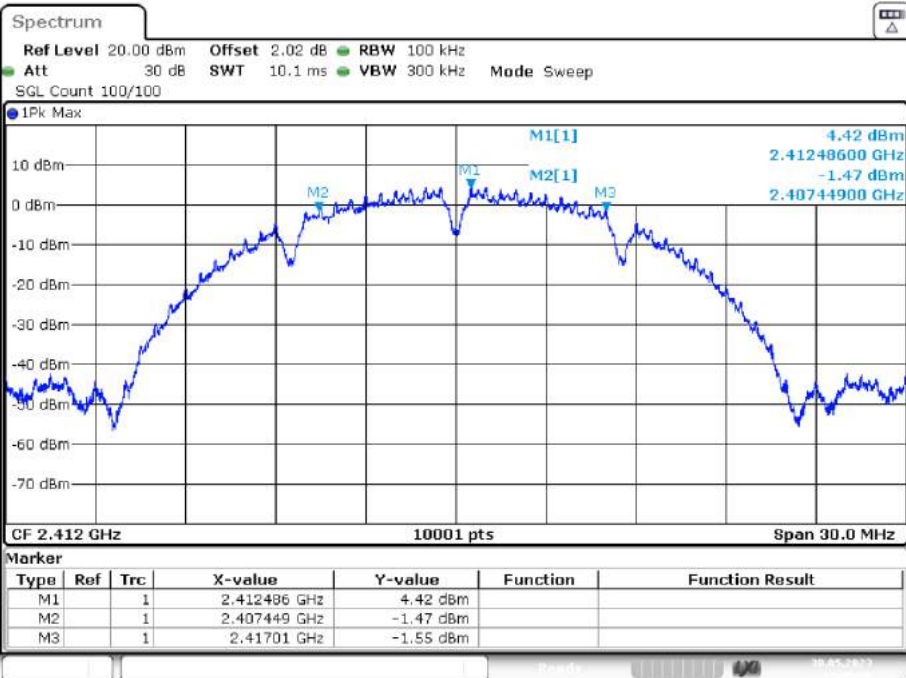
Test Graphs

-6dB Bandwidth NVNT b 2412MHz Ant1



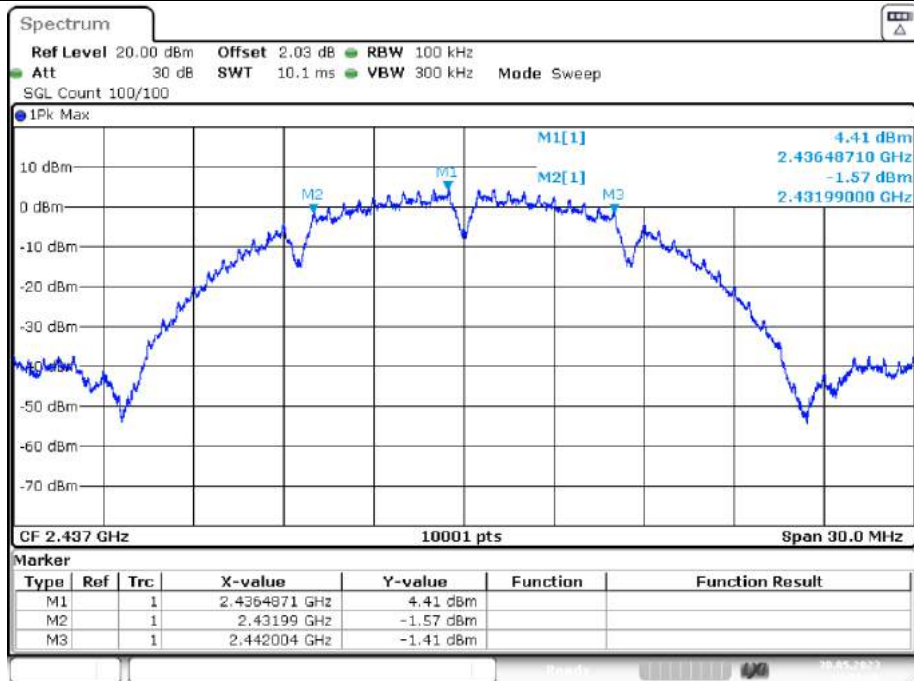
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-6dB Bandwidth NVNT b 2412MHz Ant2

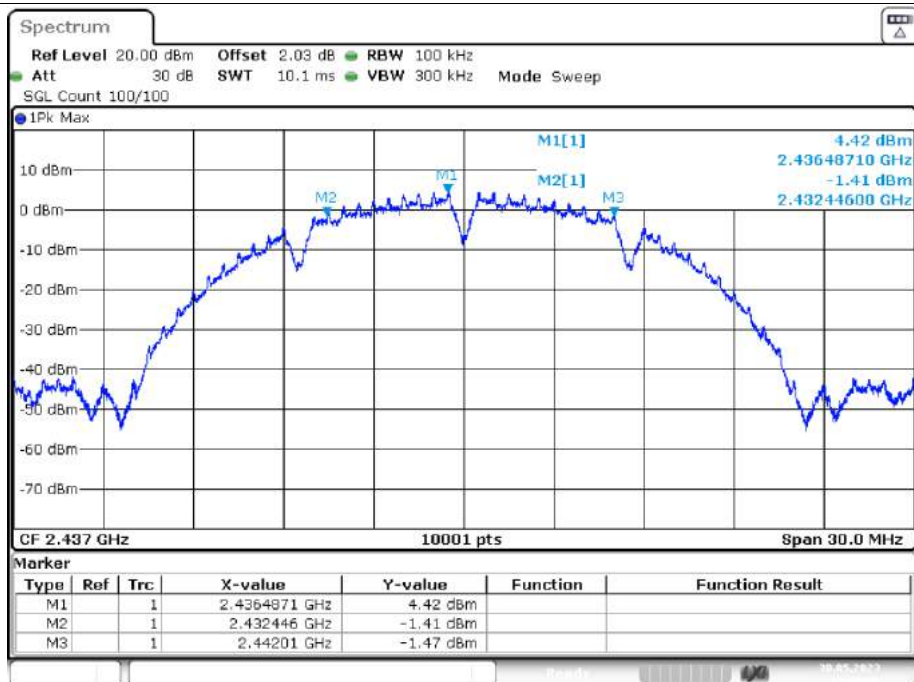


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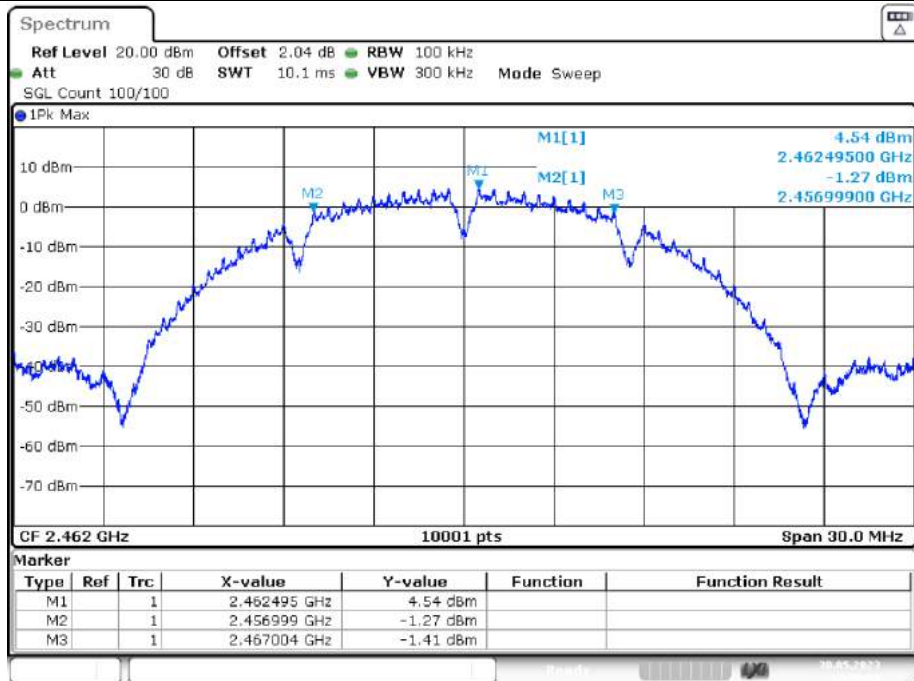
-6dB Bandwidth NVNT b 2437MHz Ant1



-6dB Bandwidth NVNT b 2437MHz Ant2

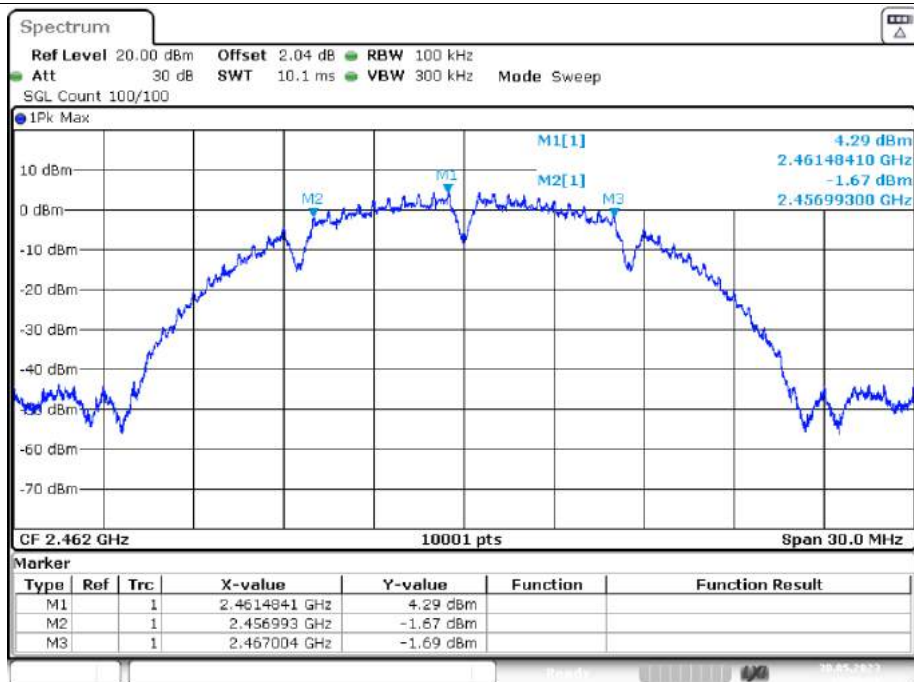


-6dB Bandwidth NVNT b 2462MHz Ant1



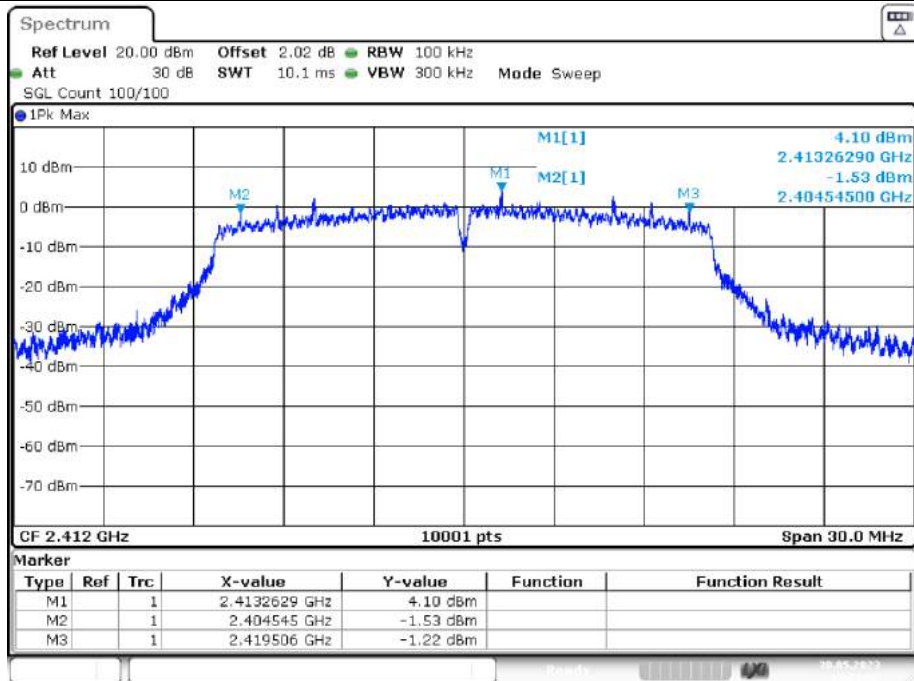
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-6dB Bandwidth NVNT b 2462MHz Ant2



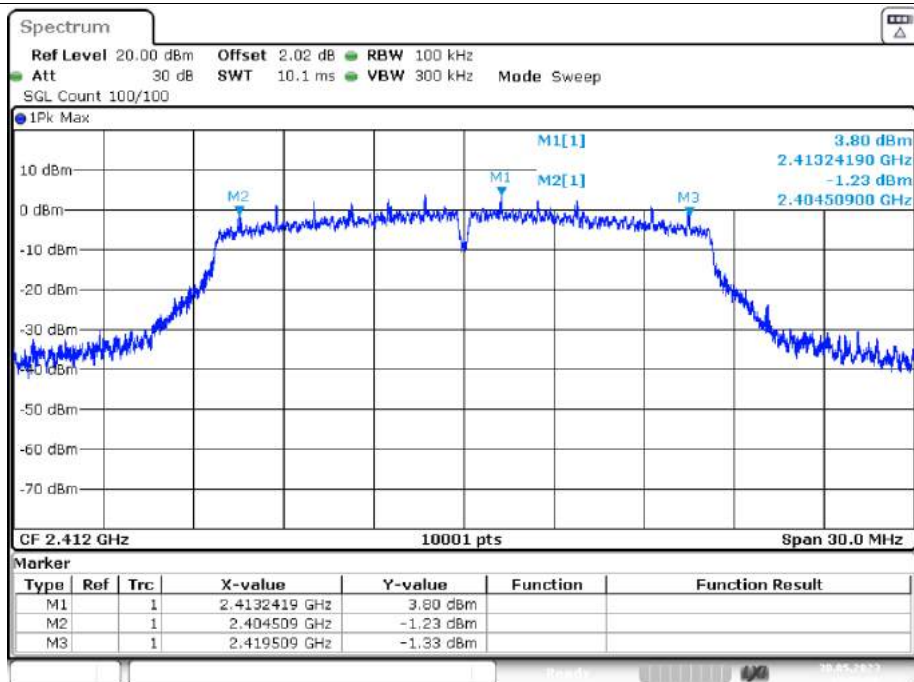
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-6dB Bandwidth NVNT g 2412MHz Ant1



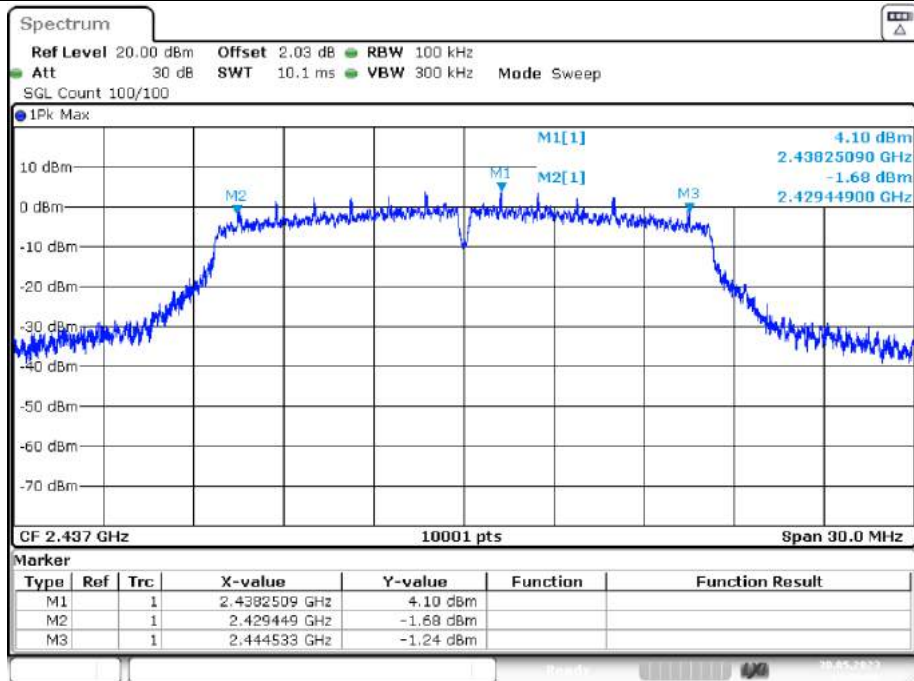
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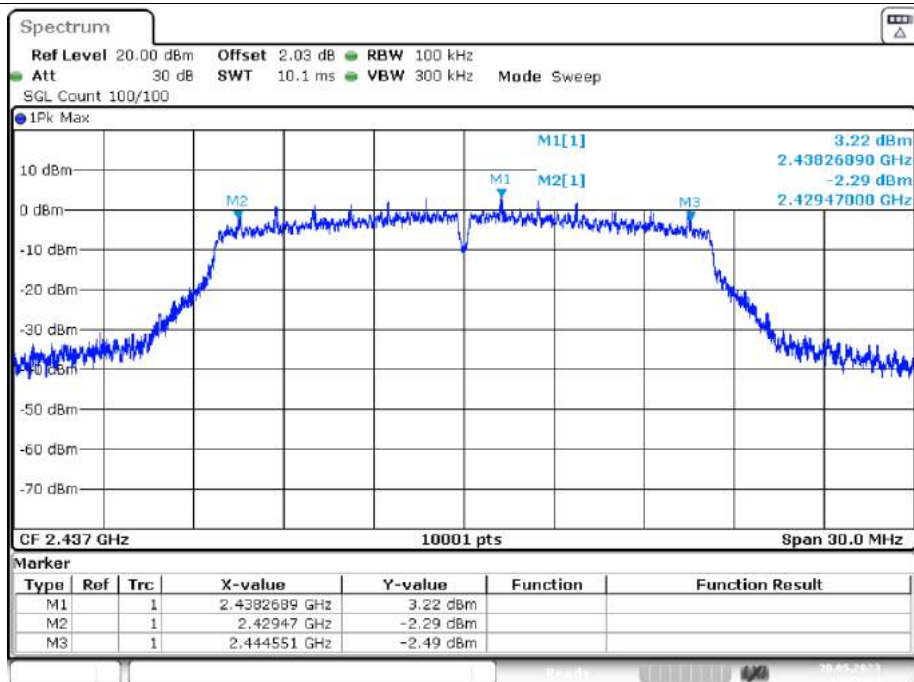


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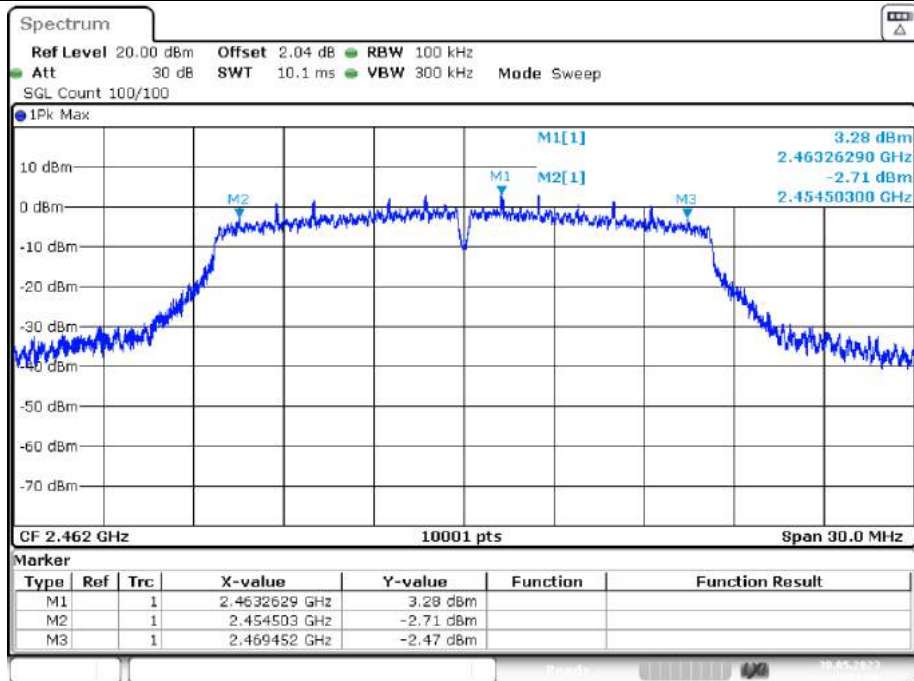
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-6dB Bandwidth NVNT g 2437MHz Ant2

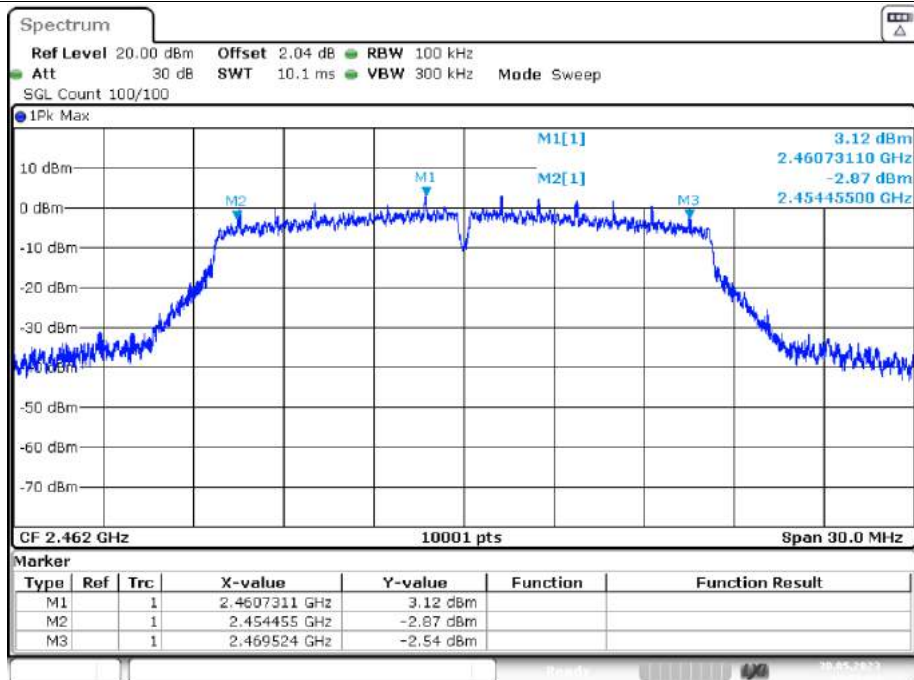


-6dB Bandwidth NVNT g 2462MHz Ant1

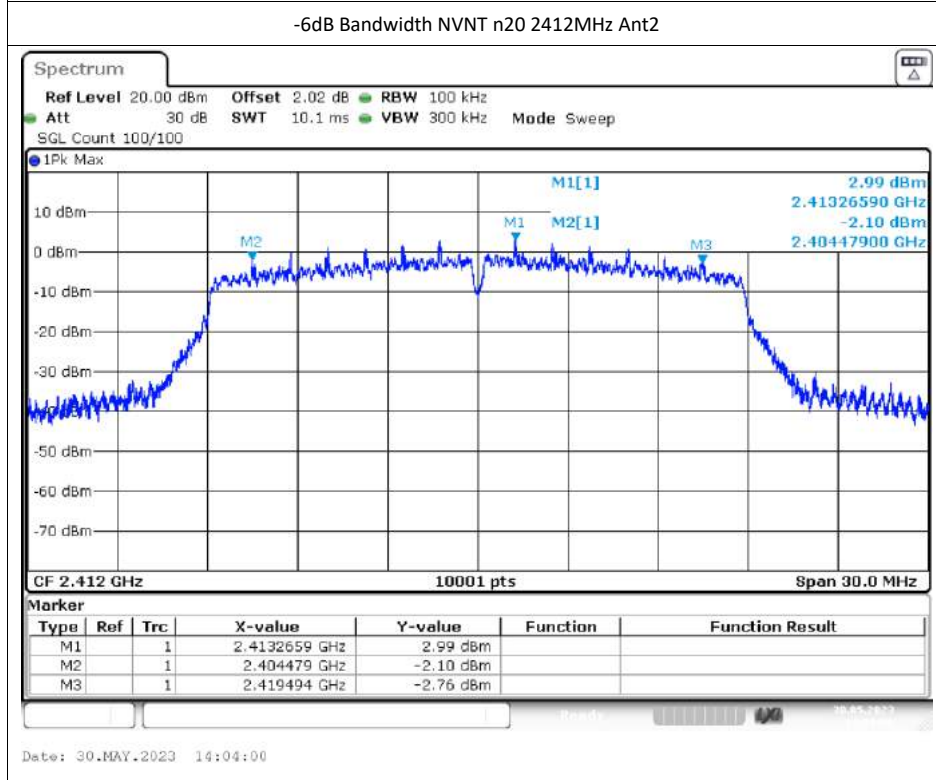
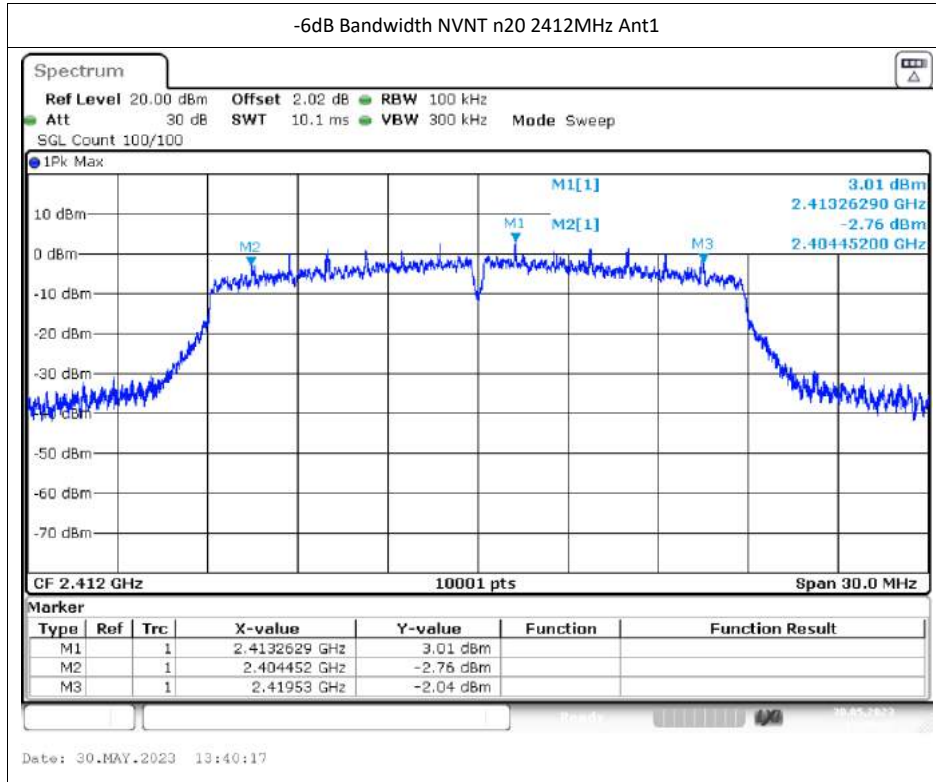


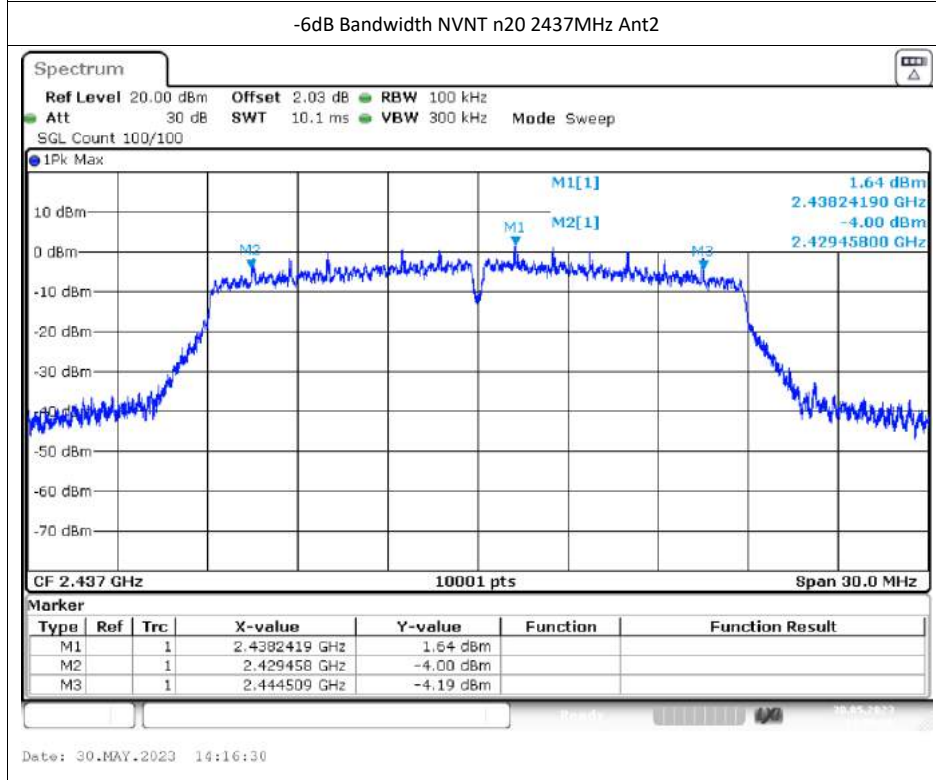
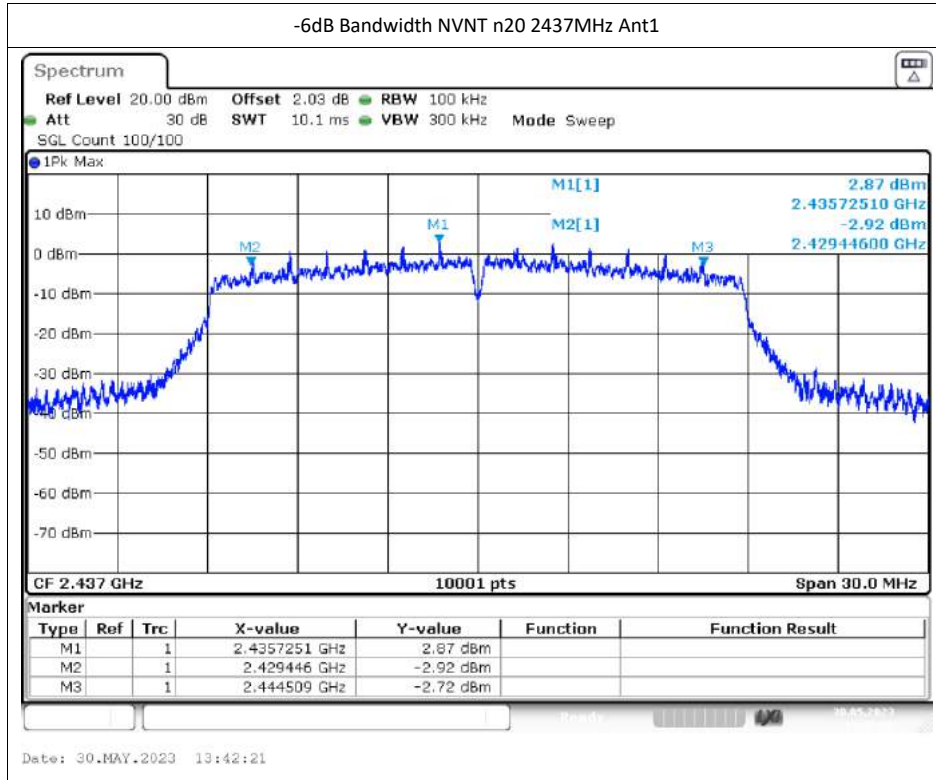
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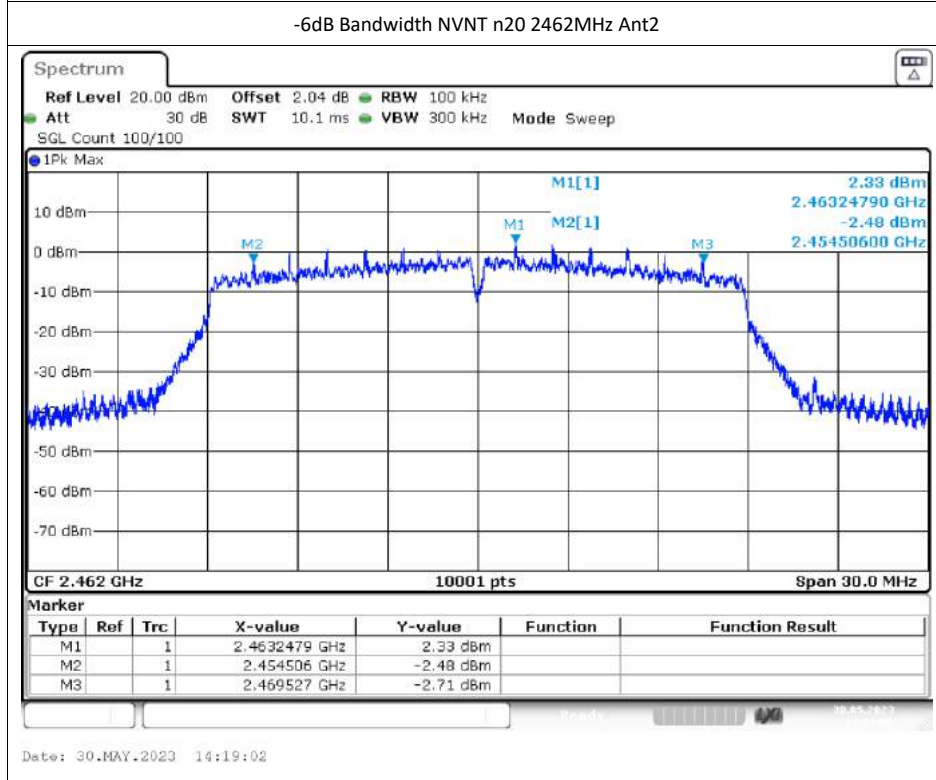
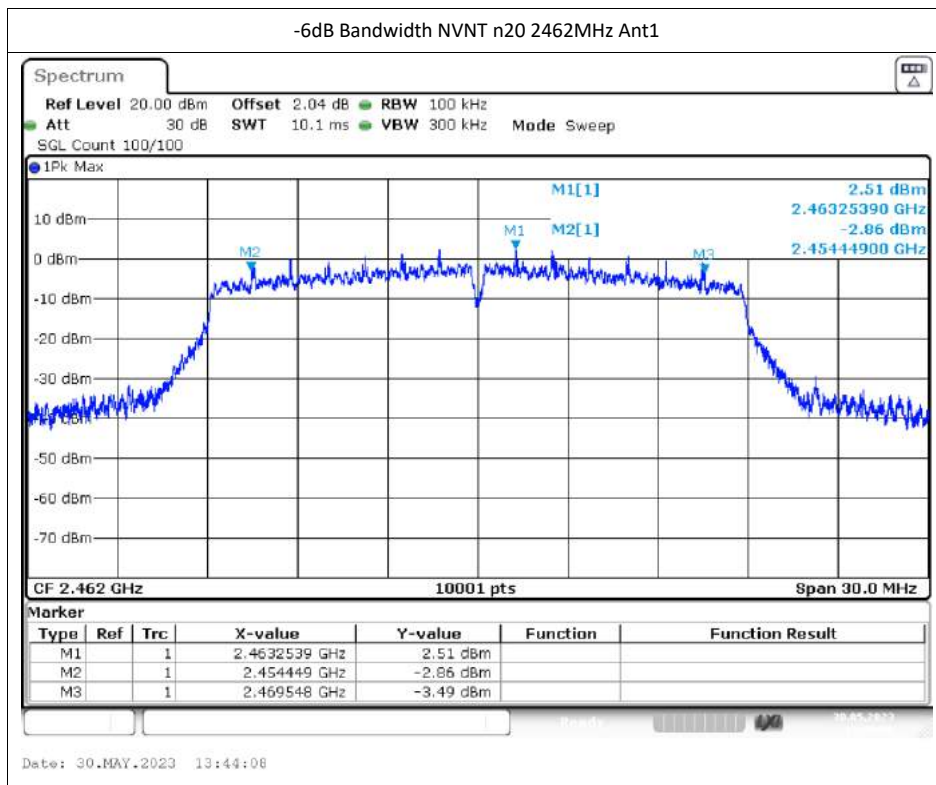
-6dB Bandwidth NVNT g 2462MHz Ant2

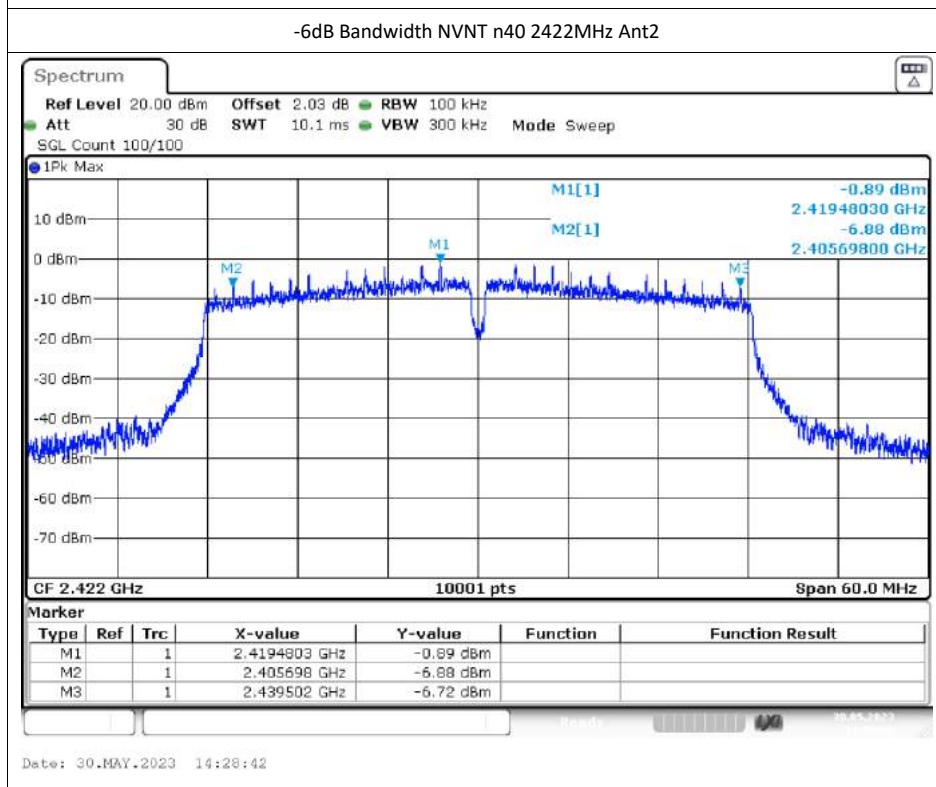
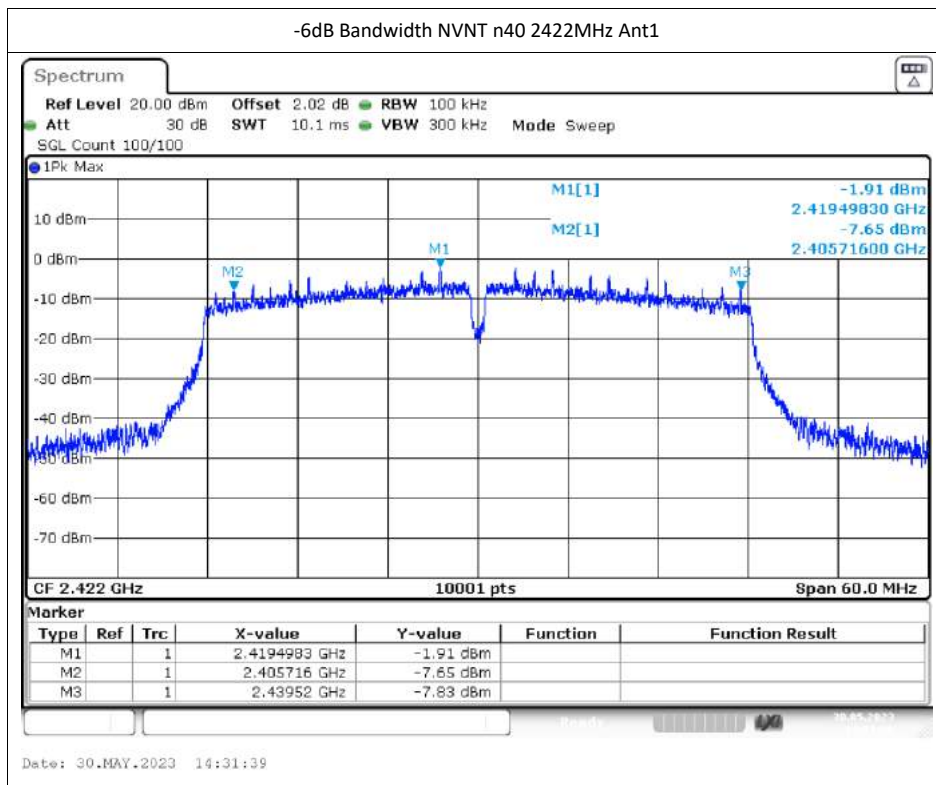


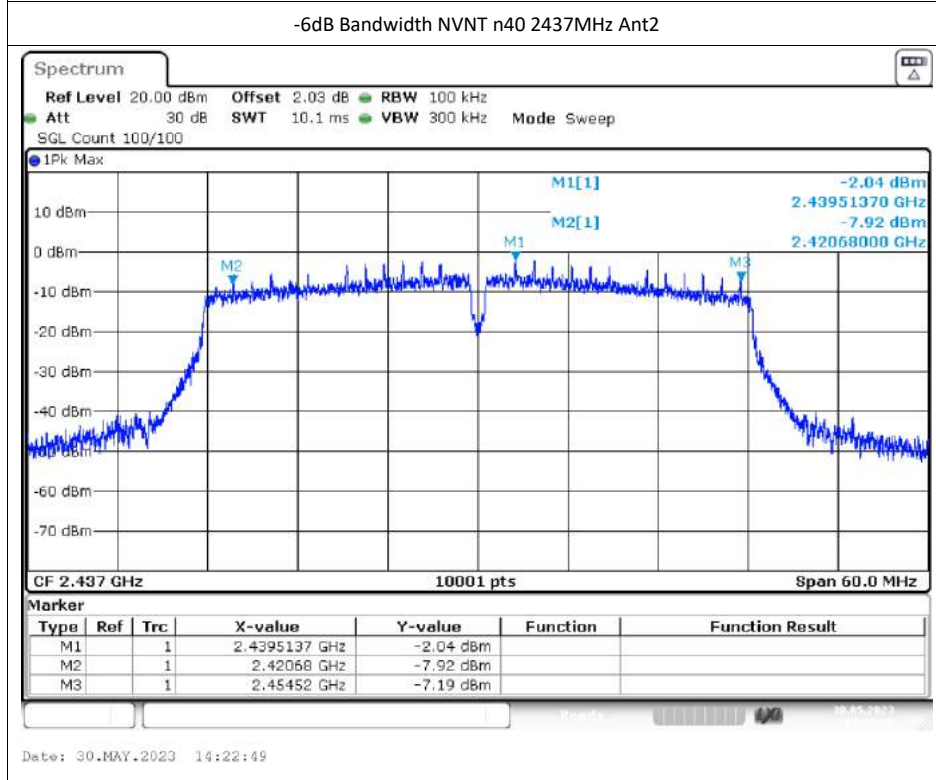
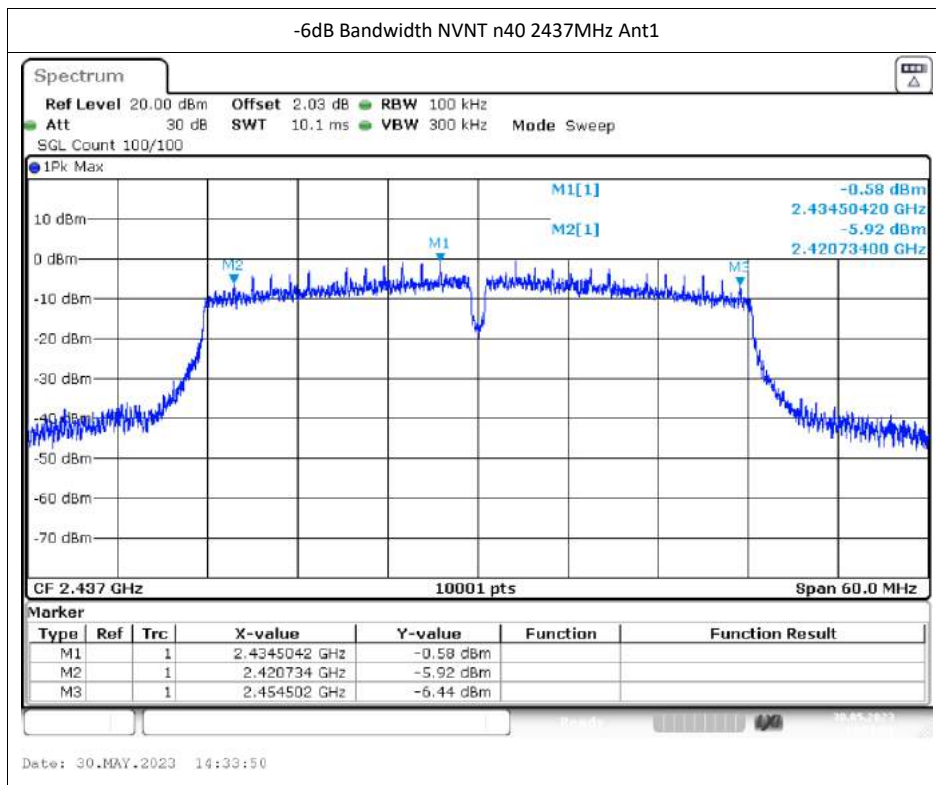
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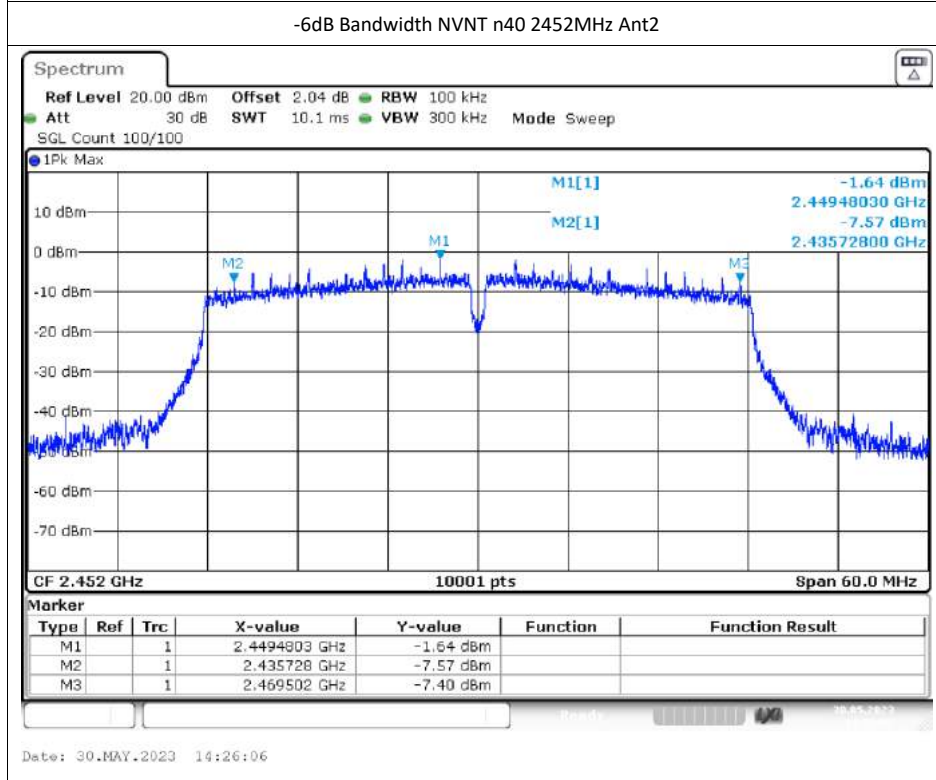
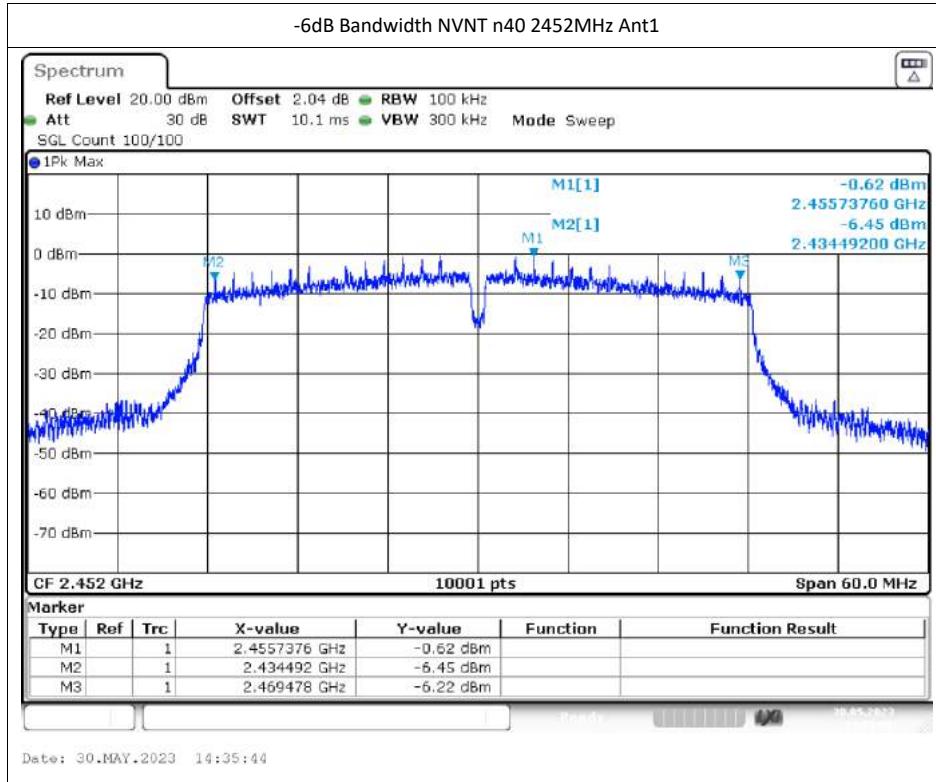










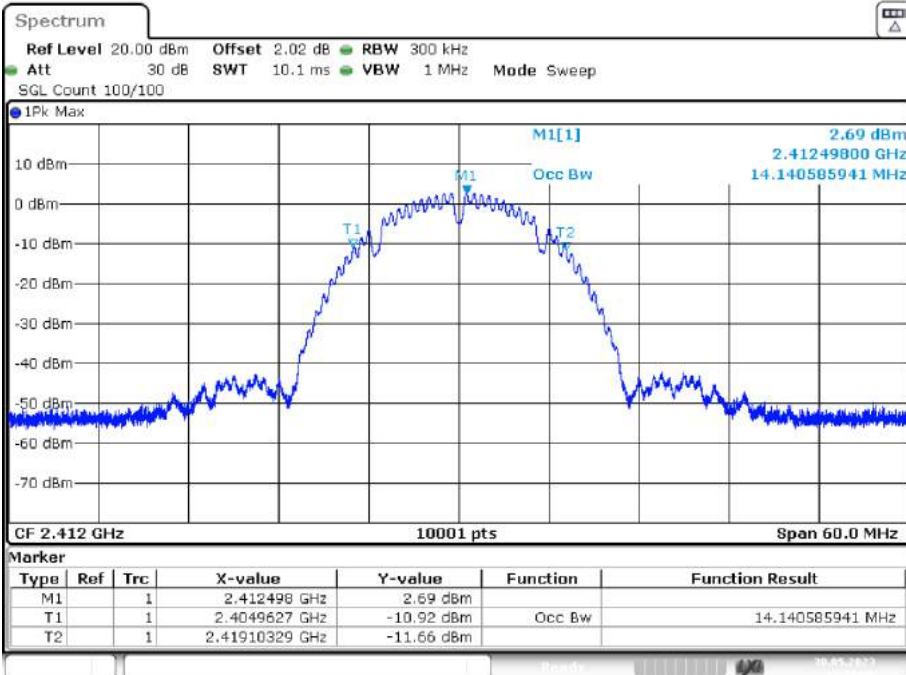


Occupied Channel Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	b	2412	Ant1	14.141
NVNT	b	2412	Ant2	14.165
NVNT	b	2437	Ant1	14.417
NVNT	b	2437	Ant2	14.177
NVNT	b	2462	Ant1	14.291
NVNT	b	2462	Ant2	14.195
NVNT	g	2412	Ant1	16.552
NVNT	g	2412	Ant2	16.528
NVNT	g	2437	Ant1	16.6
NVNT	g	2437	Ant2	16.582
NVNT	g	2462	Ant1	16.648
NVNT	g	2462	Ant2	16.582
NVNT	n20	2412	Ant1	17.608
NVNT	n20	2412	Ant2	17.578
NVNT	n20	2437	Ant1	17.668
NVNT	n20	2437	Ant2	17.599
NVNT	n20	2462	Ant1	17.608
NVNT	n20	2462	Ant2	17.515
NVNT	n40	2422	Ant1	35.876
NVNT	n40	2422	Ant2	35.876
NVNT	n40	2437	Ant1	35.926
NVNT	n40	2437	Ant2	35.936
NVNT	n40	2452	Ant1	35.916
NVNT	n40	2452	Ant2	35.906

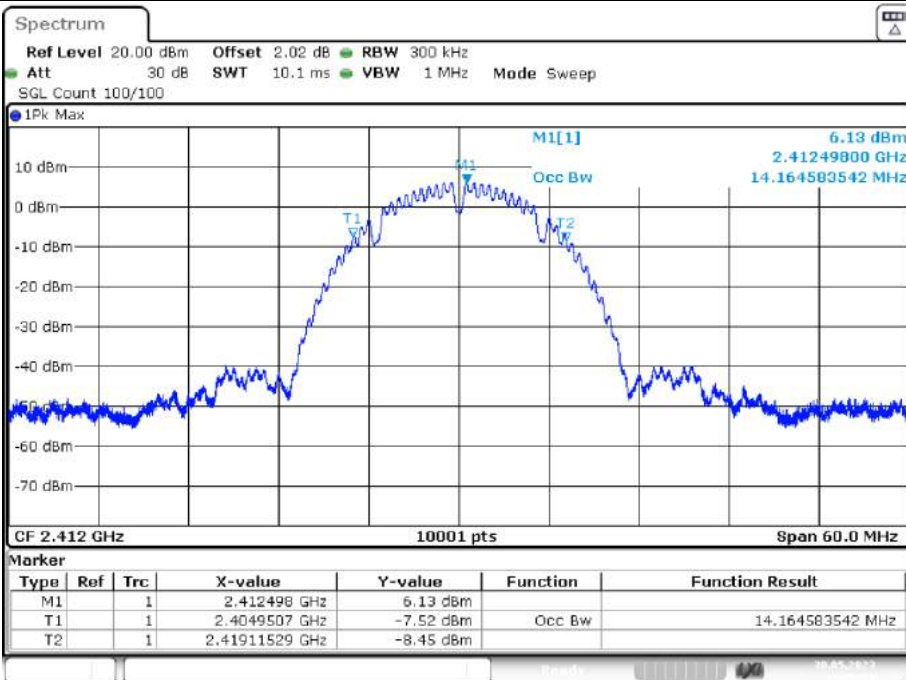
Test Graphs

OBW NVNT b 2412MHz Ant1

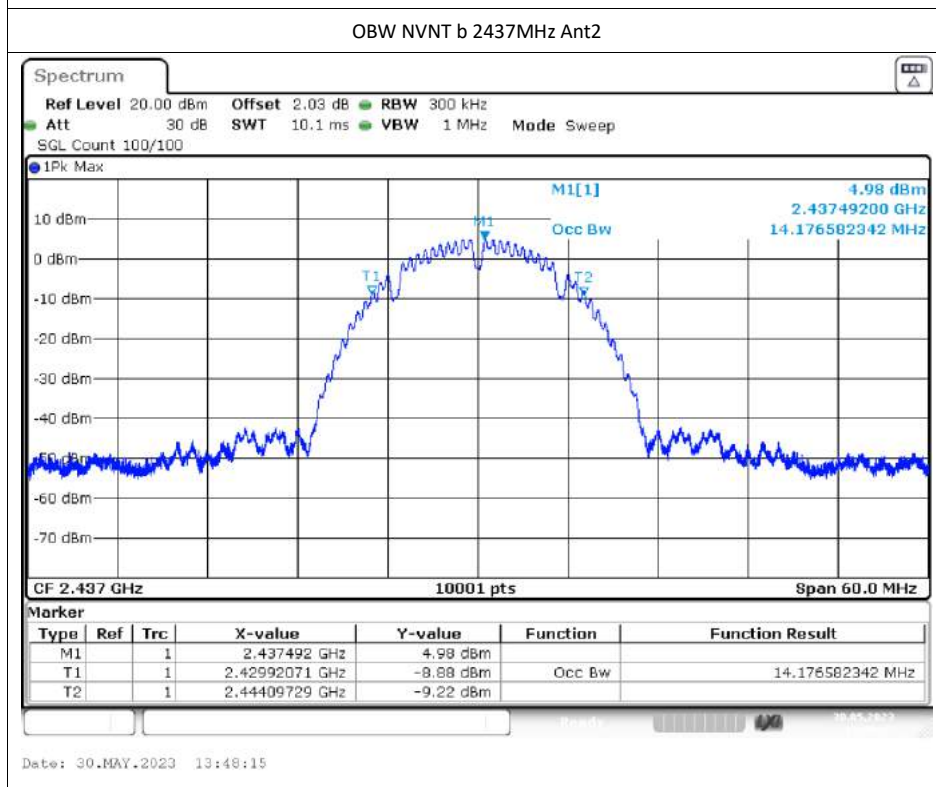
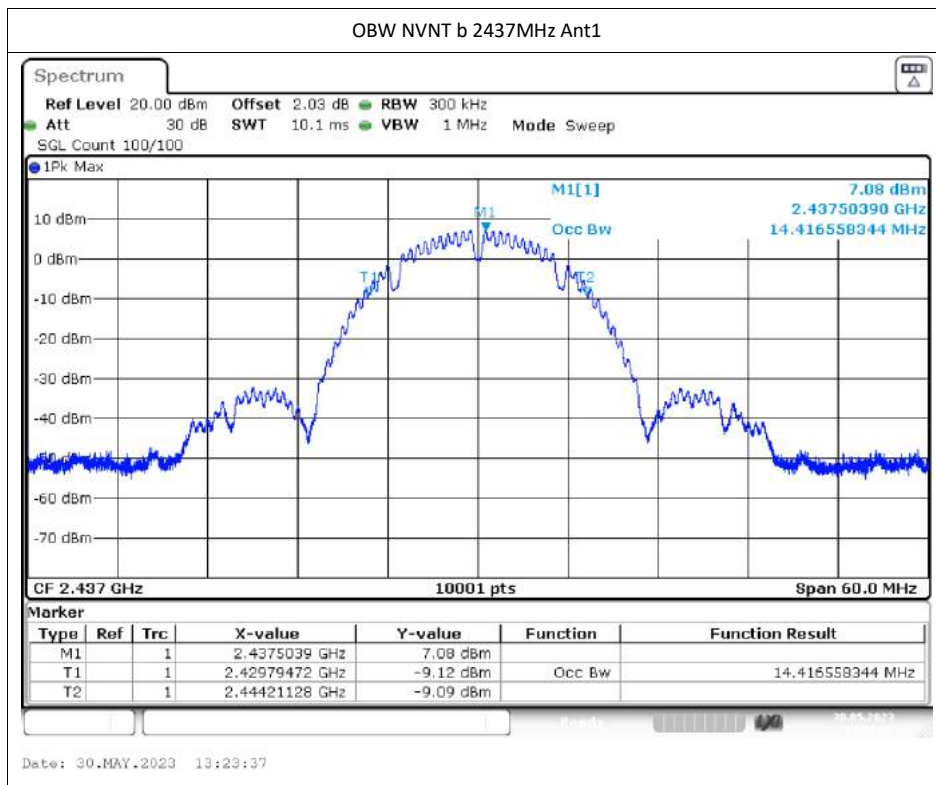


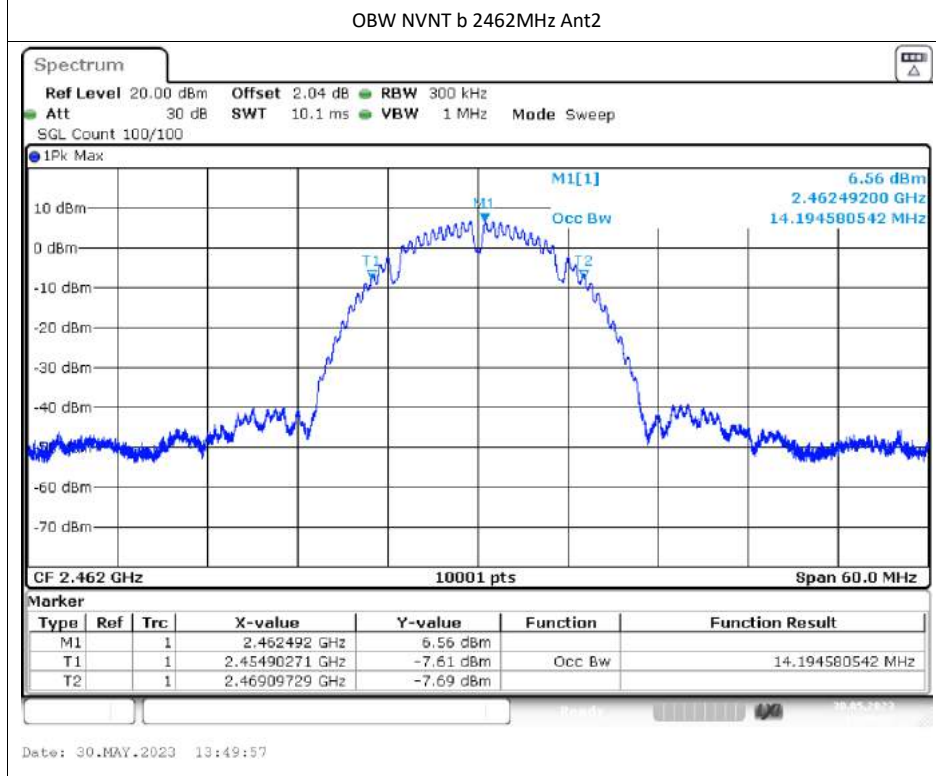
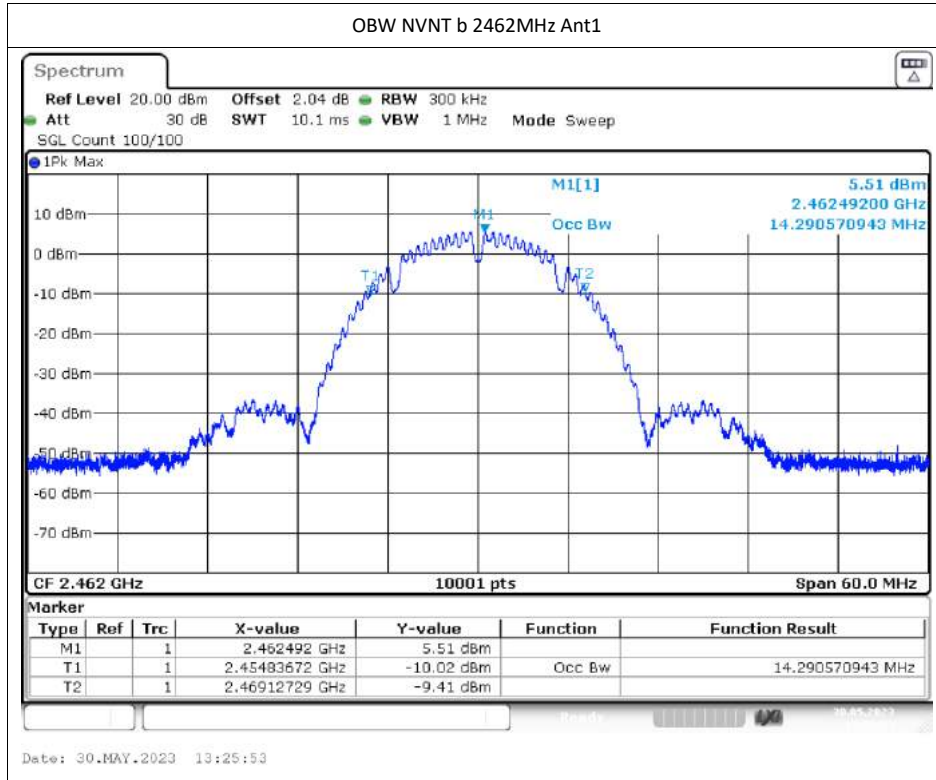
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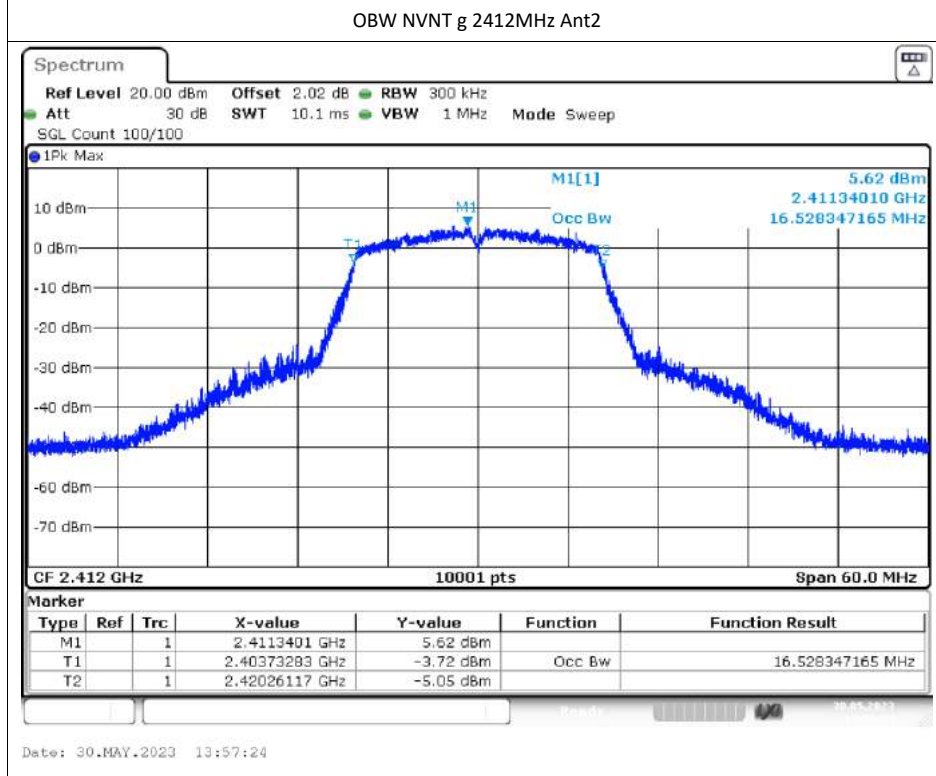
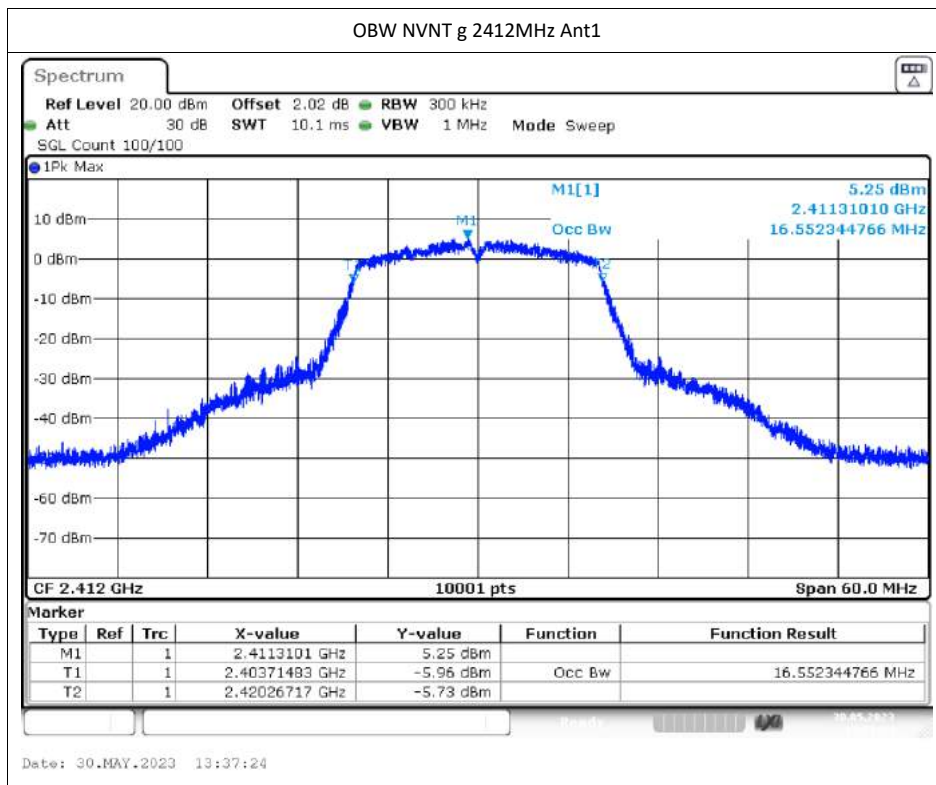
OBW NVNT b 2412MHz Ant2

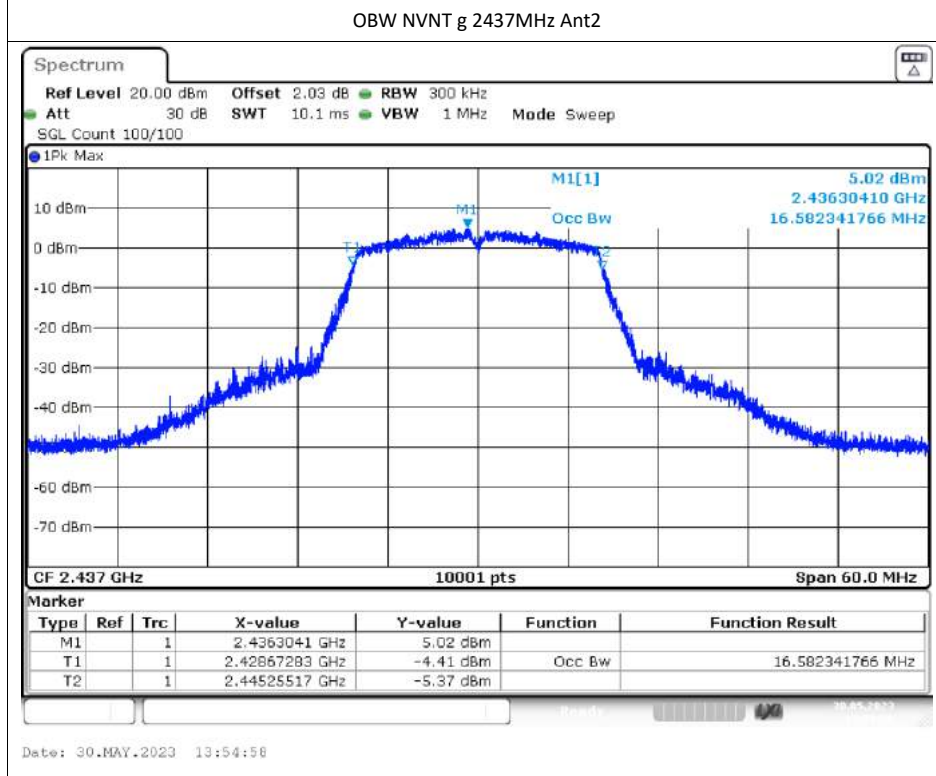
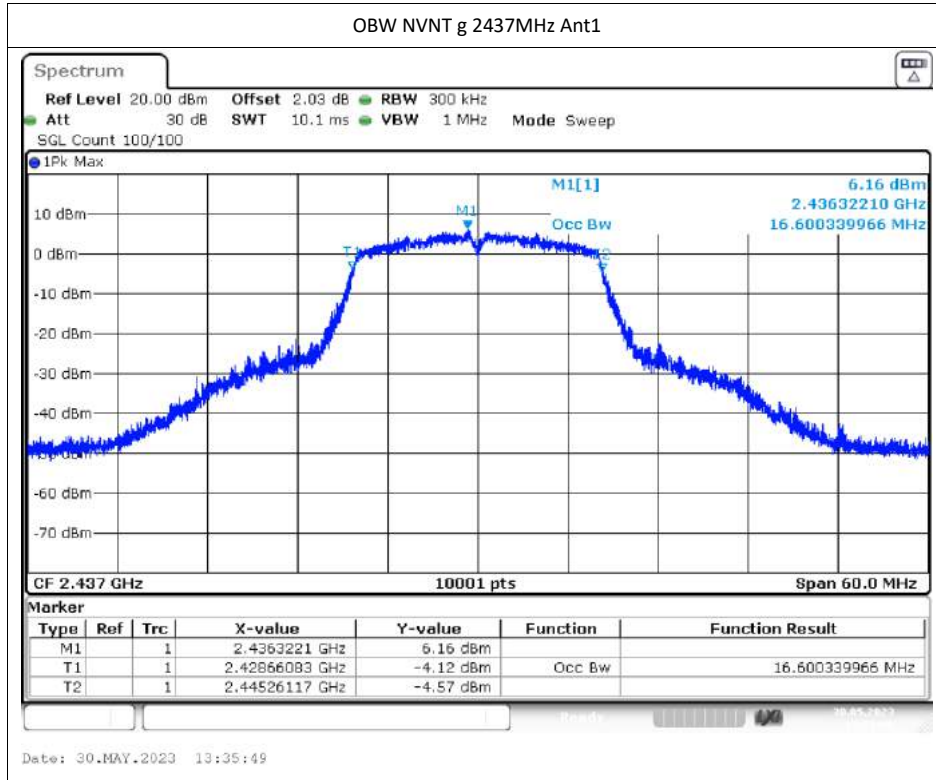


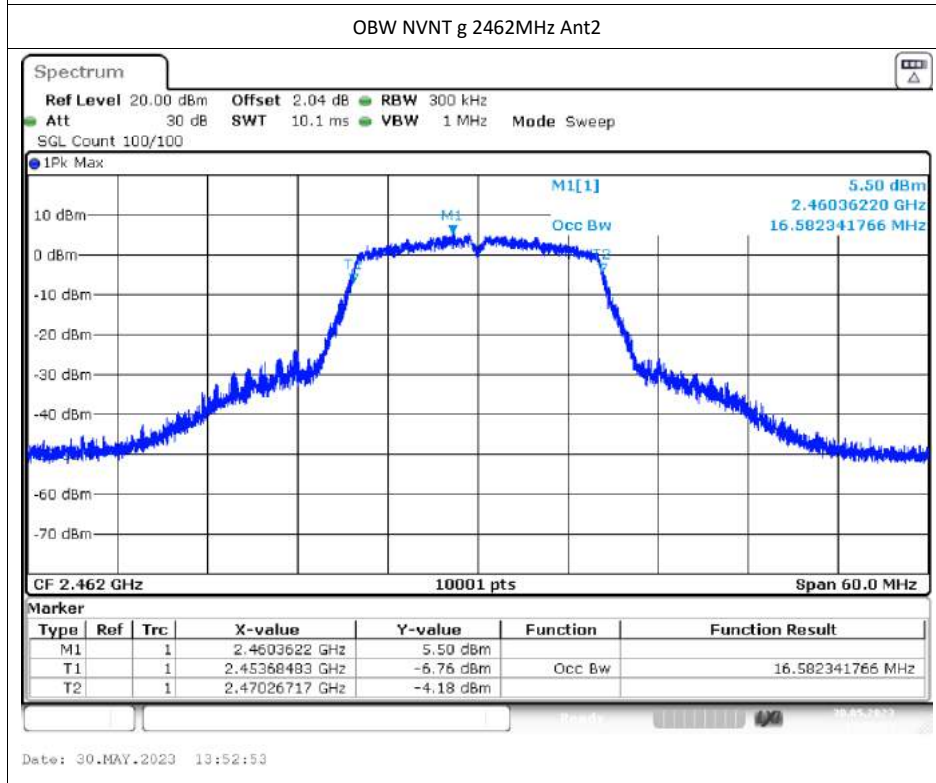
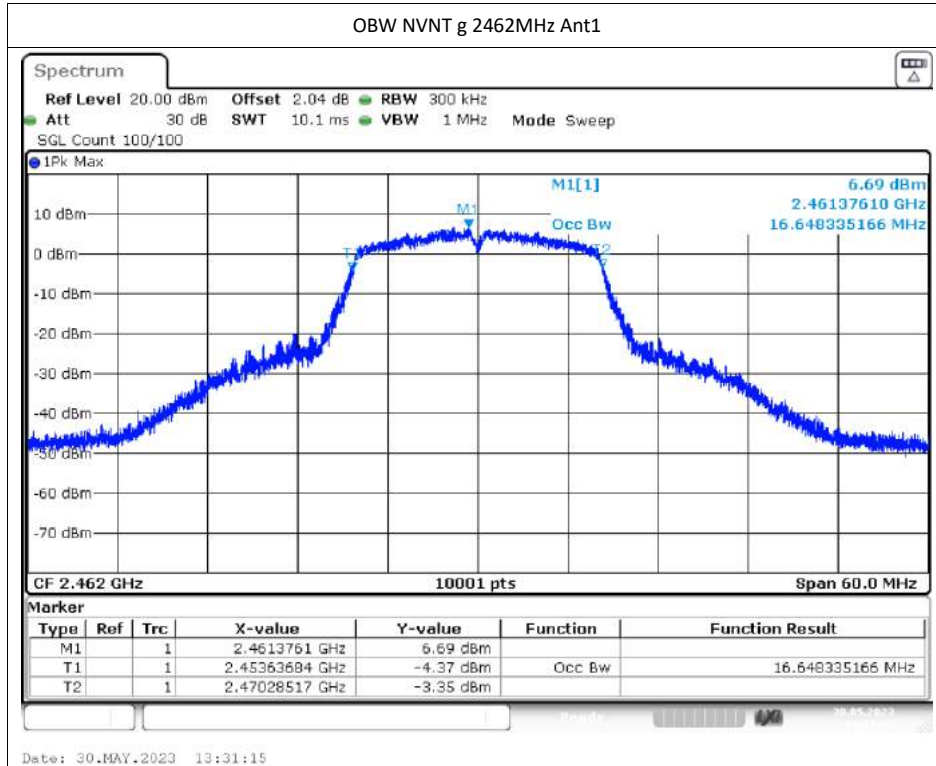
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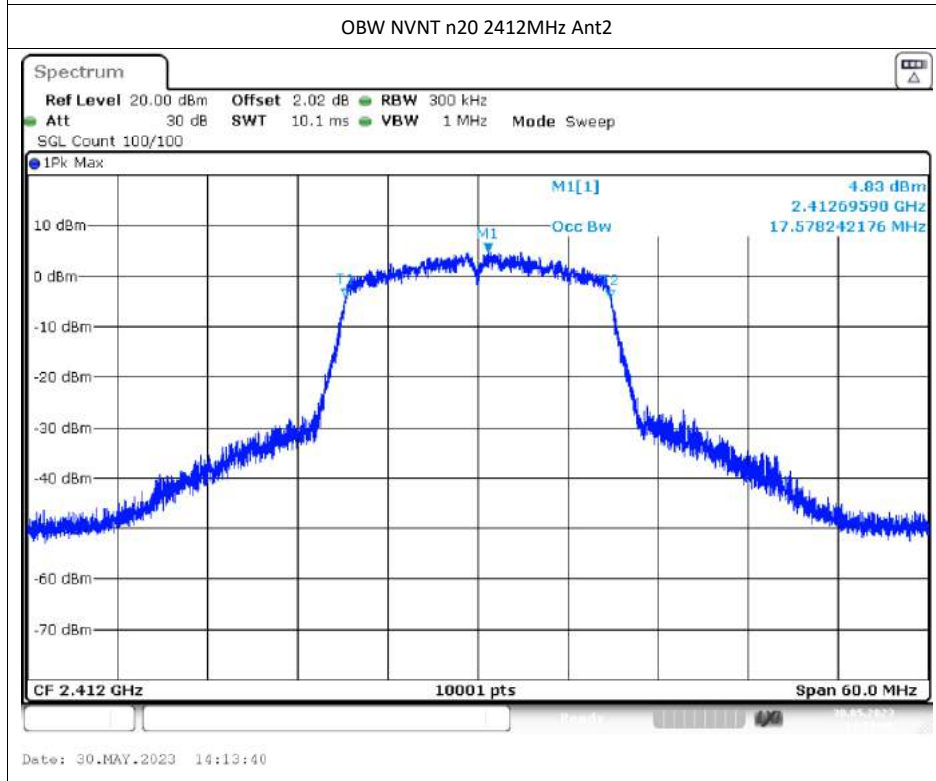
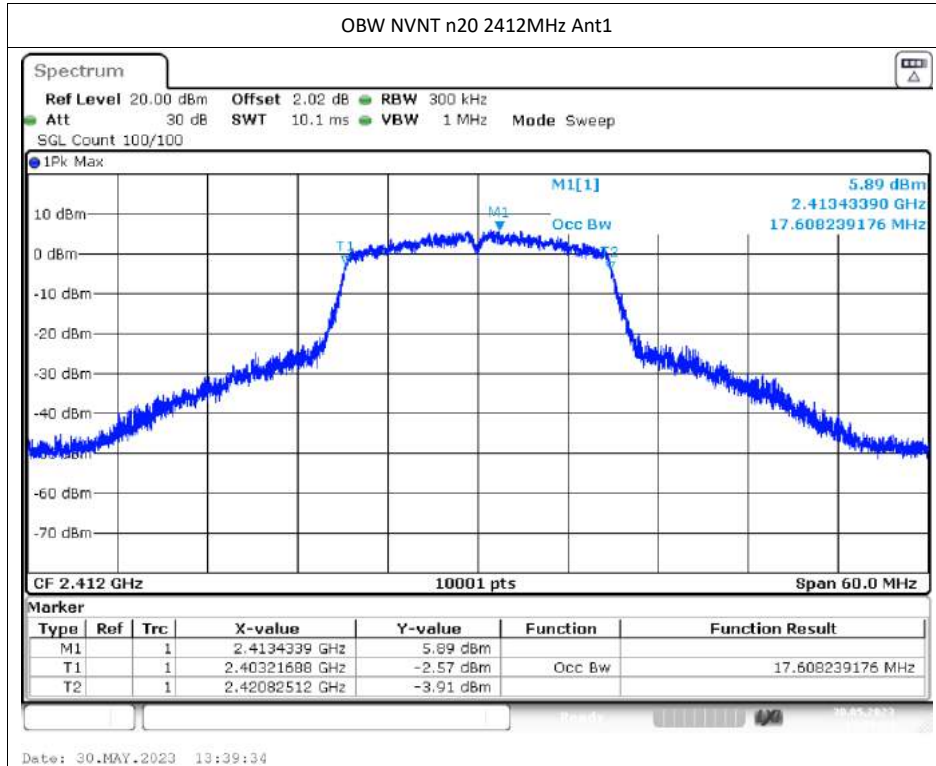


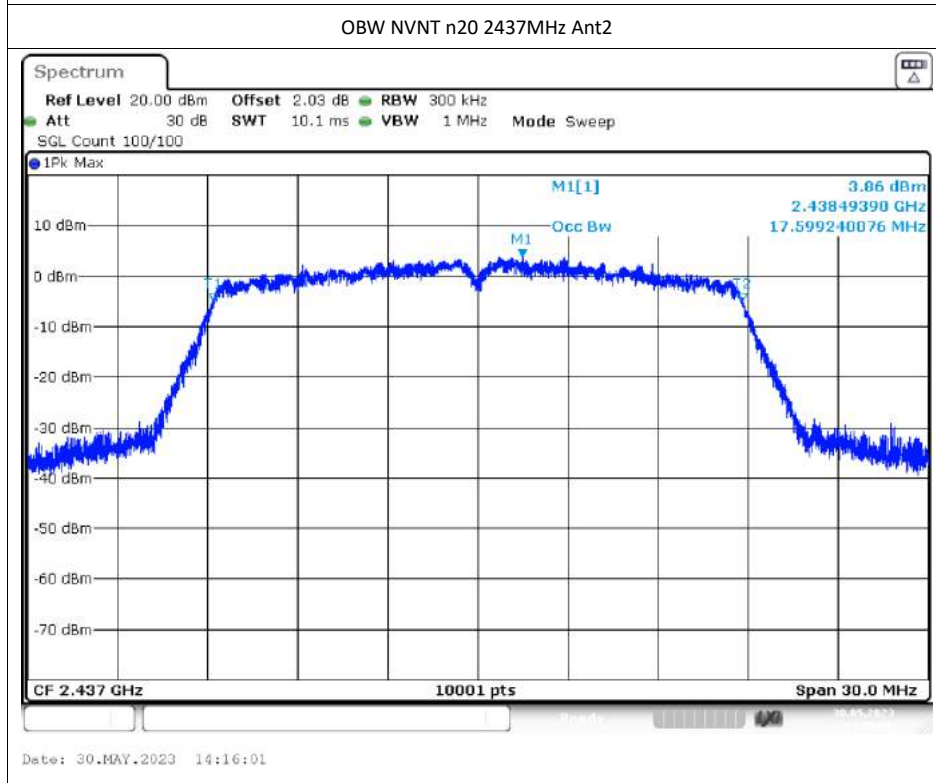
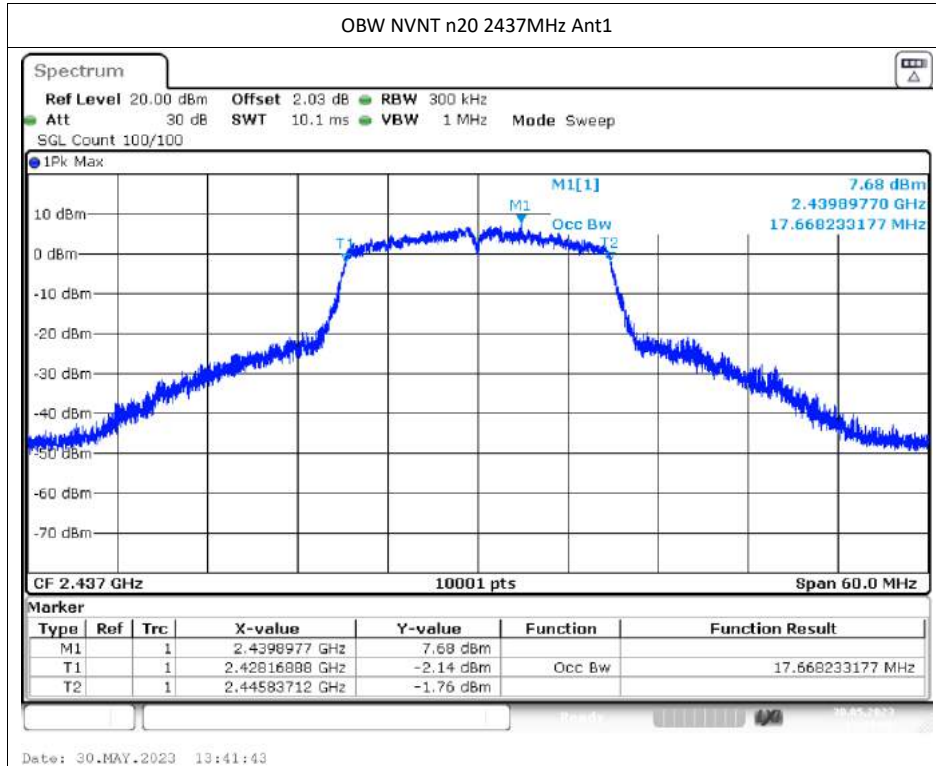


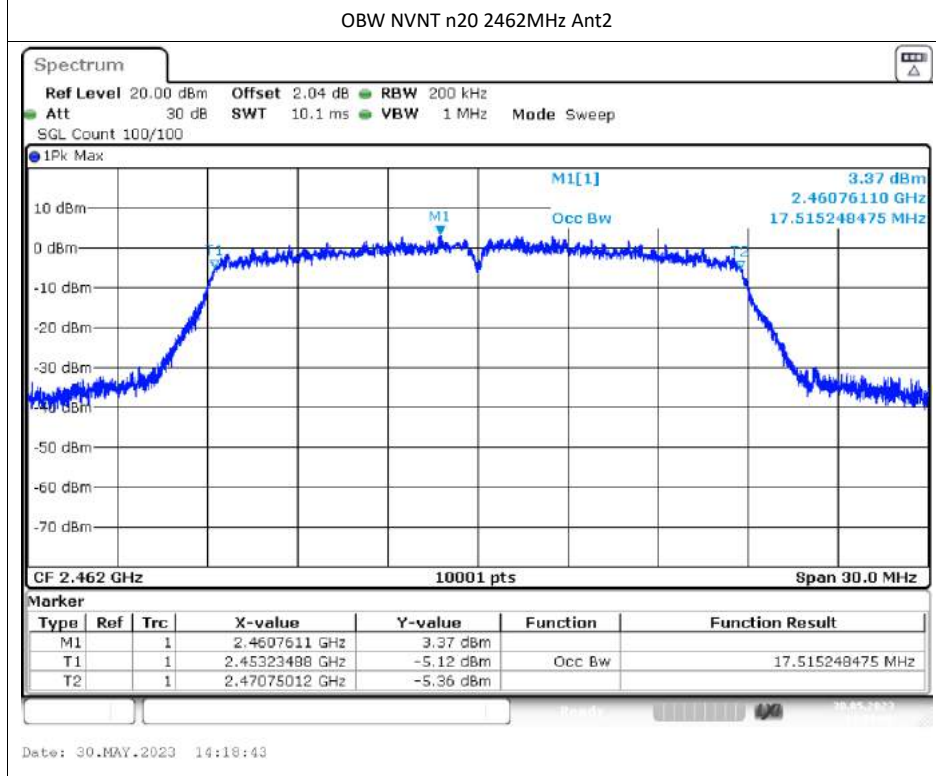
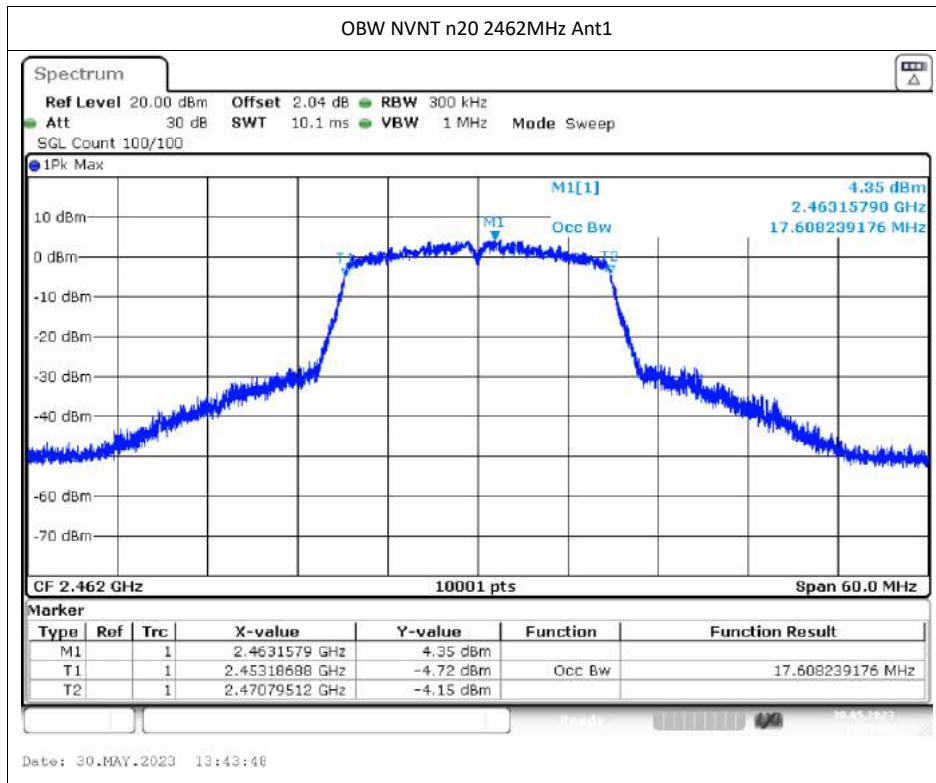


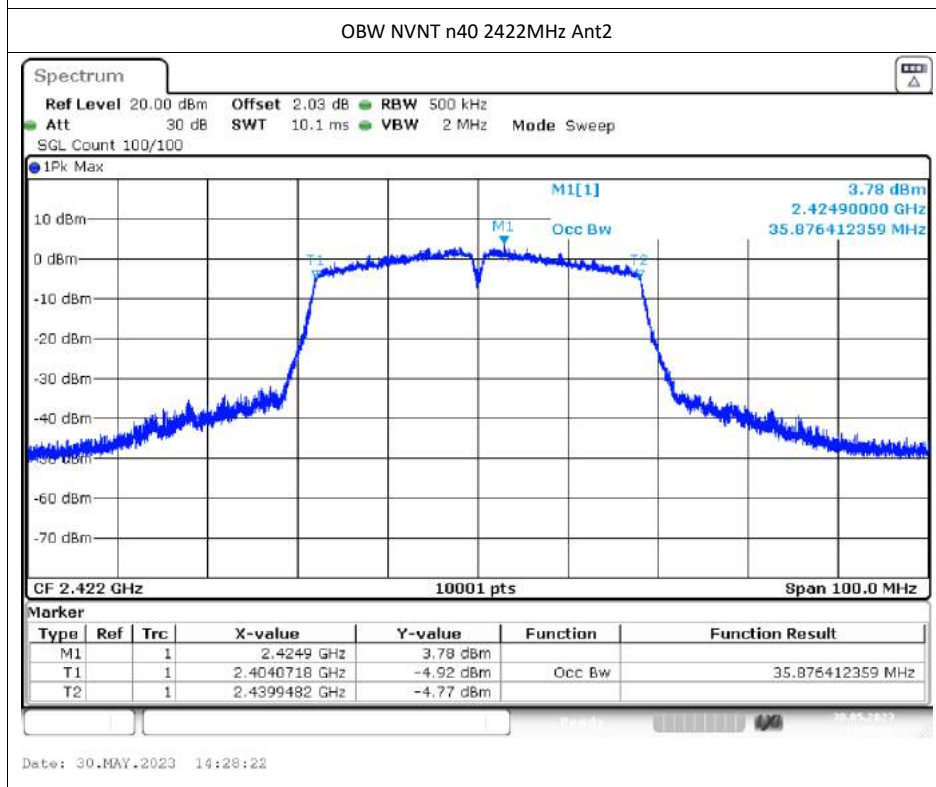
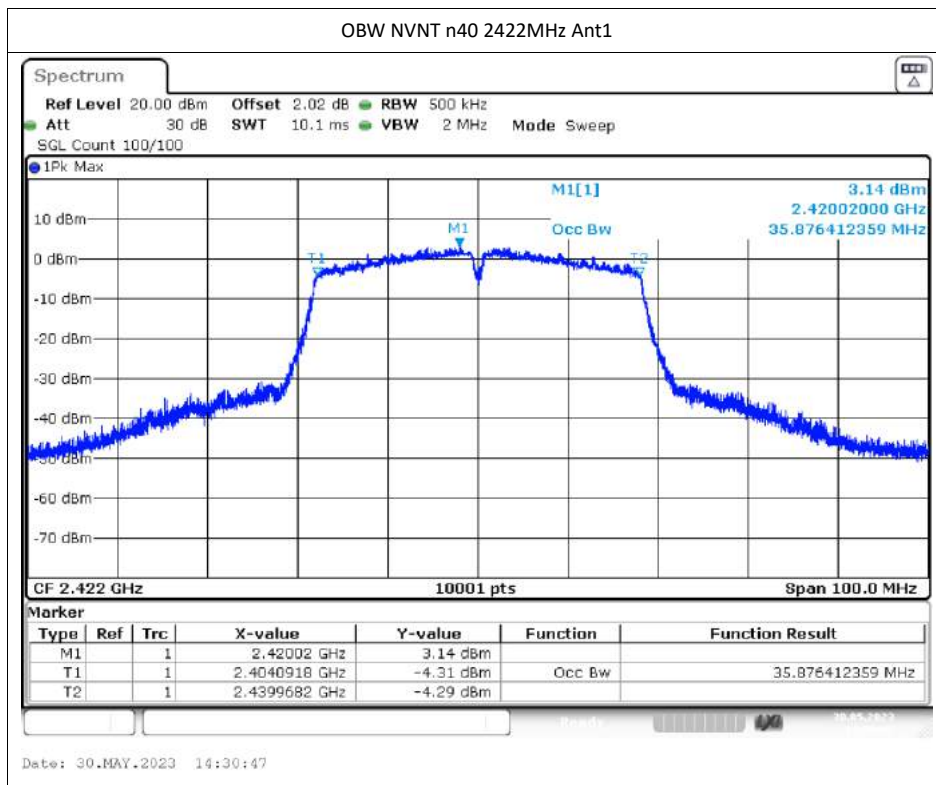


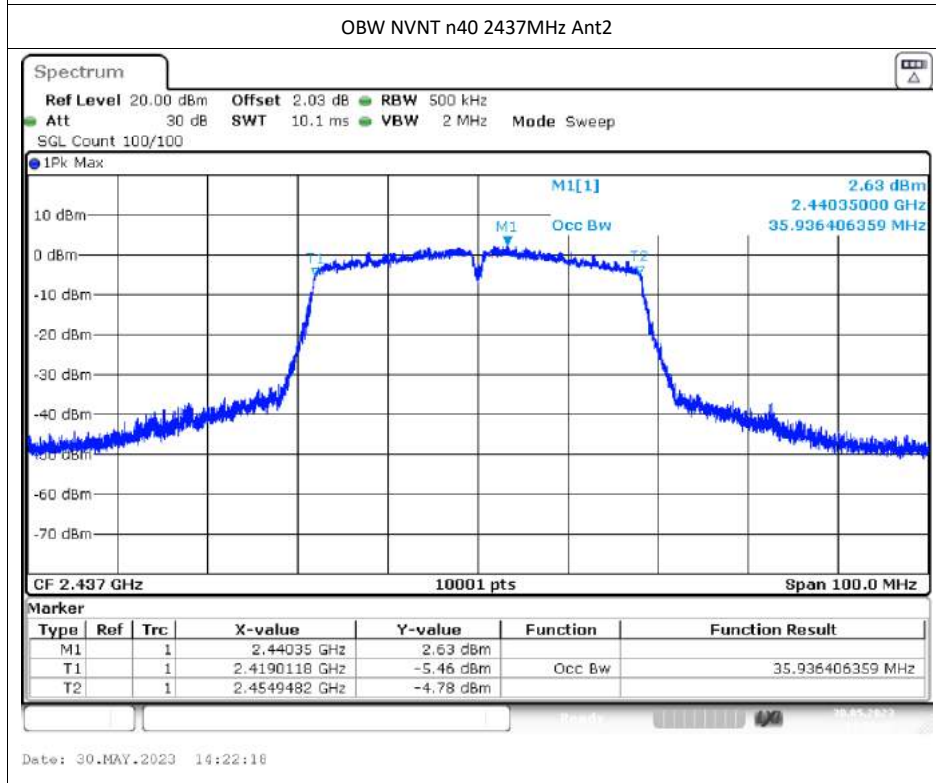
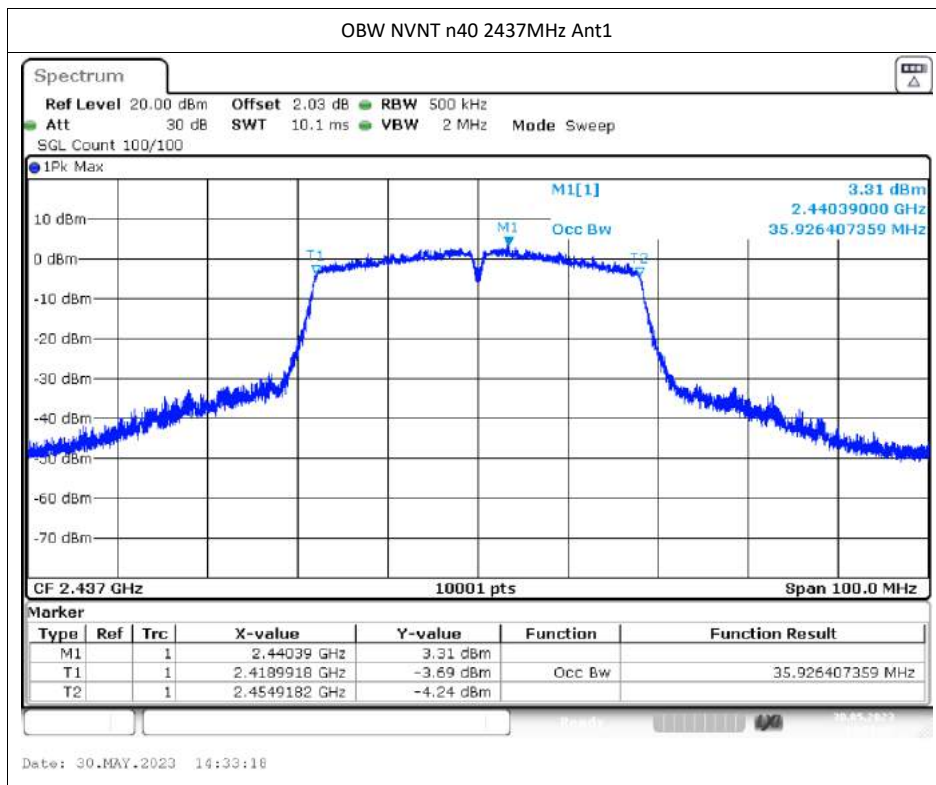


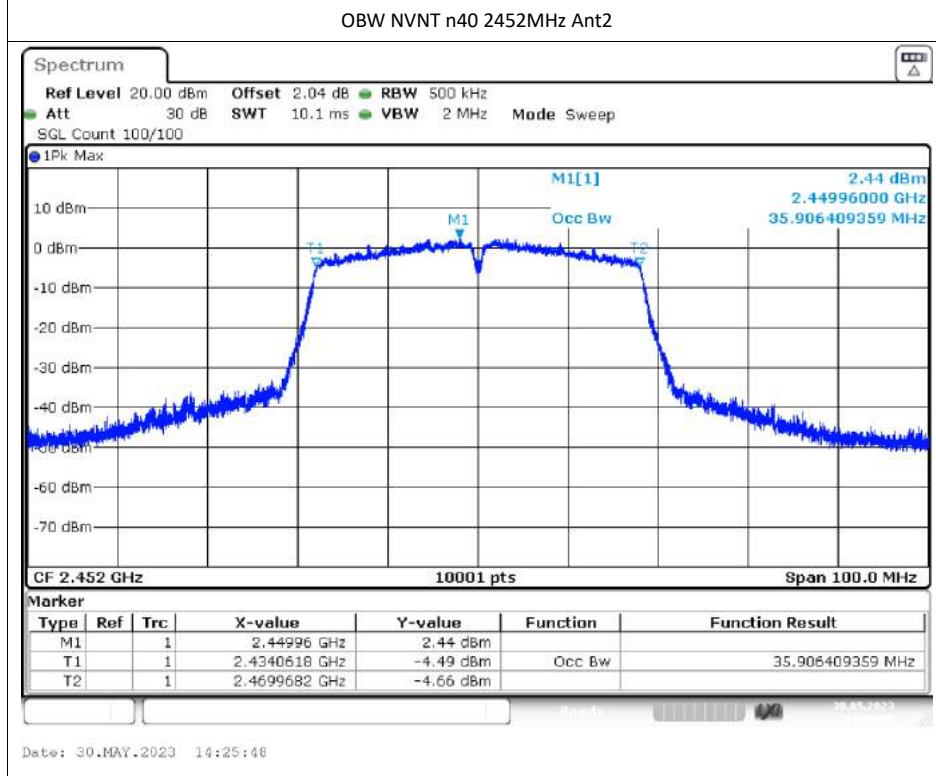
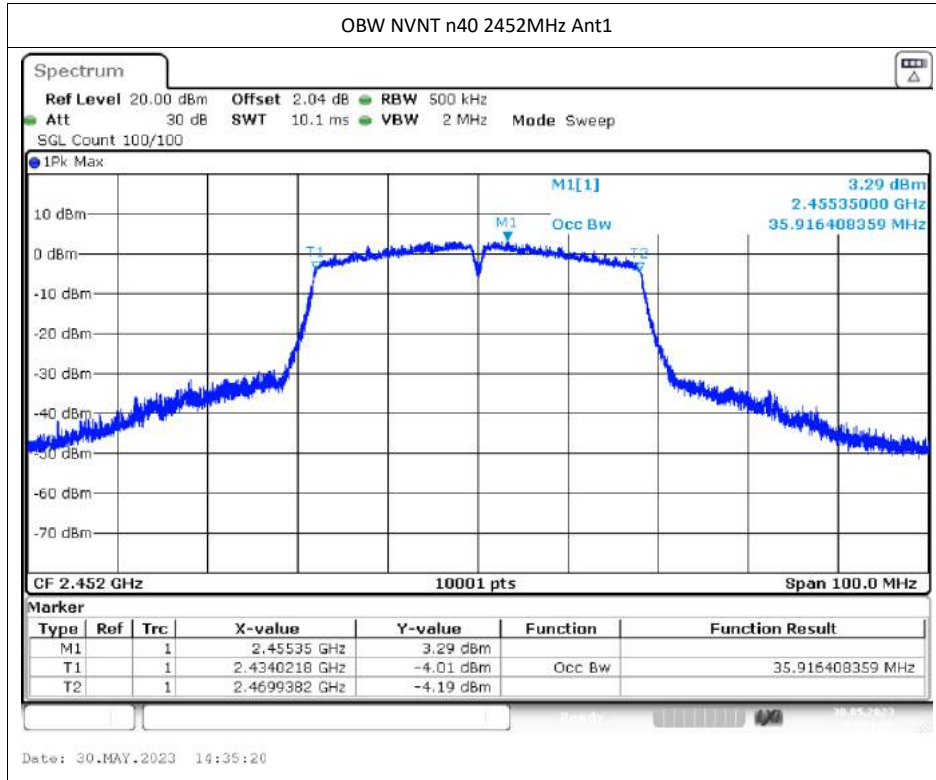










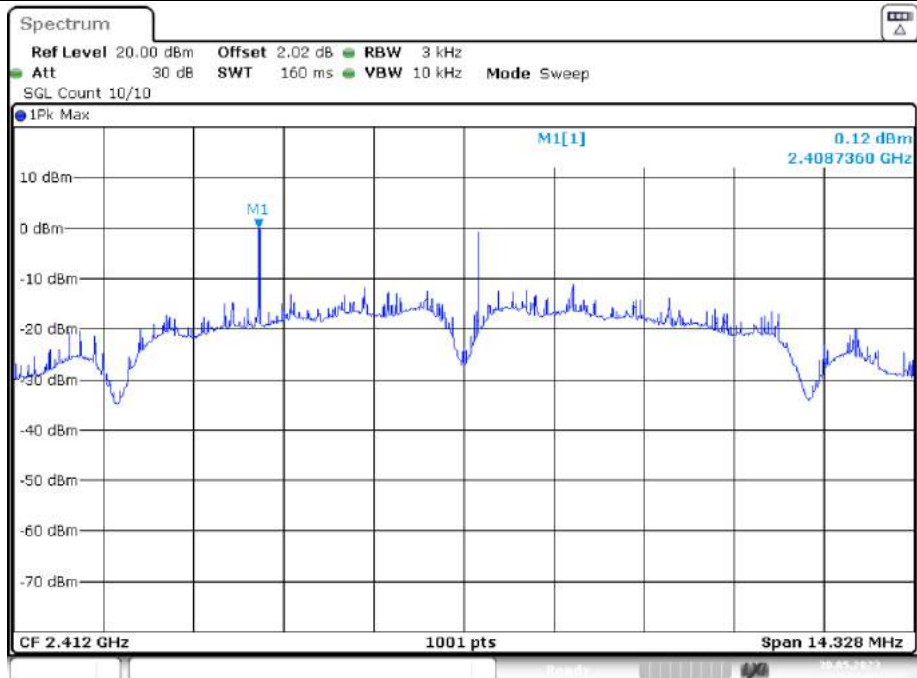


Maximum Power Spectral Density Level

Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	0.12	0	0.12	8	Pass
NVNT	b	2412	Ant2	0.47	0	0.47	8	Pass
NVNT	b	2437	Ant1	2.96	0	2.96	8	Pass
NVNT	b	2437	Ant2	-8.85	0	-8.85	8	Pass
NVNT	b	2462	Ant1	-1.14	0	-1.14	8	Pass
NVNT	b	2462	Ant2	-1.84	0	-1.84	8	Pass
NVNT	g	2412	Ant1	-11.24	0	-11.24	8	Pass
NVNT	g	2412	Ant2	-12.1	0	-12.1	8	Pass
NVNT	g	2437	Ant1	-12.84	0	-12.84	8	Pass
NVNT	g	2437	Ant2	-13.57	0	-13.57	8	Pass
NVNT	g	2462	Ant1	-13.23	0	-13.23	8	Pass
NVNT	g	2462	Ant2	-12.38	0	-12.38	8	Pass
NVNT	n20	2412	Ant1	-13.28	0	-13.28	8	Pass
NVNT	n20	2412	Ant2	-13.94	0	-13.94	8	Pass
NVNT	n20	2412	Sum	-10.59	-	-10.59	7.33	Pass
NVNT	n20	2437	Ant1	-14.28	0	-14.28	8	Pass
NVNT	n20	2437	Ant2	-15.45	0	-15.45	8	Pass
NVNT	n20	2437	Sum	-11.82	-	-11.82	7.33	Pass
NVNT	n20	2462	Ant1	-14.07	0	-14.07	8	Pass
NVNT	n20	2462	Ant2	-14.68	0	-14.68	8	Pass
NVNT	n20	2462	Sum	-11.35	-	-11.35	7.33	Pass
NVNT	n40	2422	Ant1	-18.26	0	-18.26	8	Pass
NVNT	n40	2422	Ant2	-17.8	0	-17.8	8	Pass
NVNT	n40	2422	Sum	-15.01	-	-15.01	7.33	Pass
NVNT	n40	2437	Ant1	-15.28	0	-15.28	8	Pass
NVNT	n40	2437	Ant2	-18.02	0	-18.02	8	Pass
NVNT	n40	2437	Sum	-13.43	-	-13.43	7.33	Pass
NVNT	n40	2452	Ant1	-17.22	0	-17.22	8	Pass
NVNT	n40	2452	Ant2	-17.73	0	-17.73	8	Pass
NVNT	n40	2452	Sum	-14.46	-	-14.46	7.33	Pass

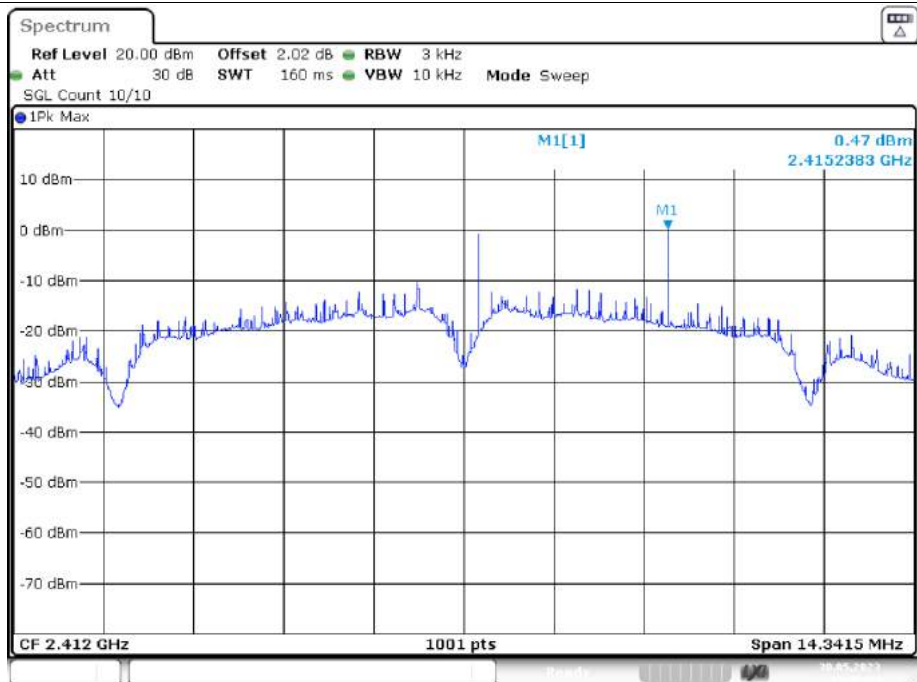
Test Graphs

PSD NVNT b 2412MHz Ant1

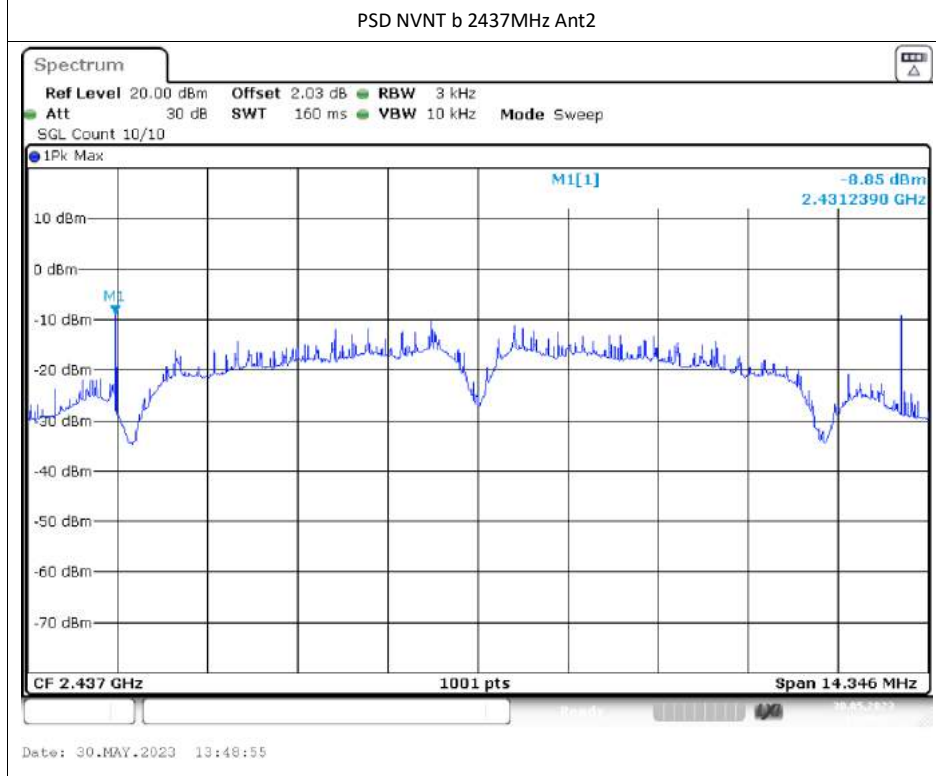
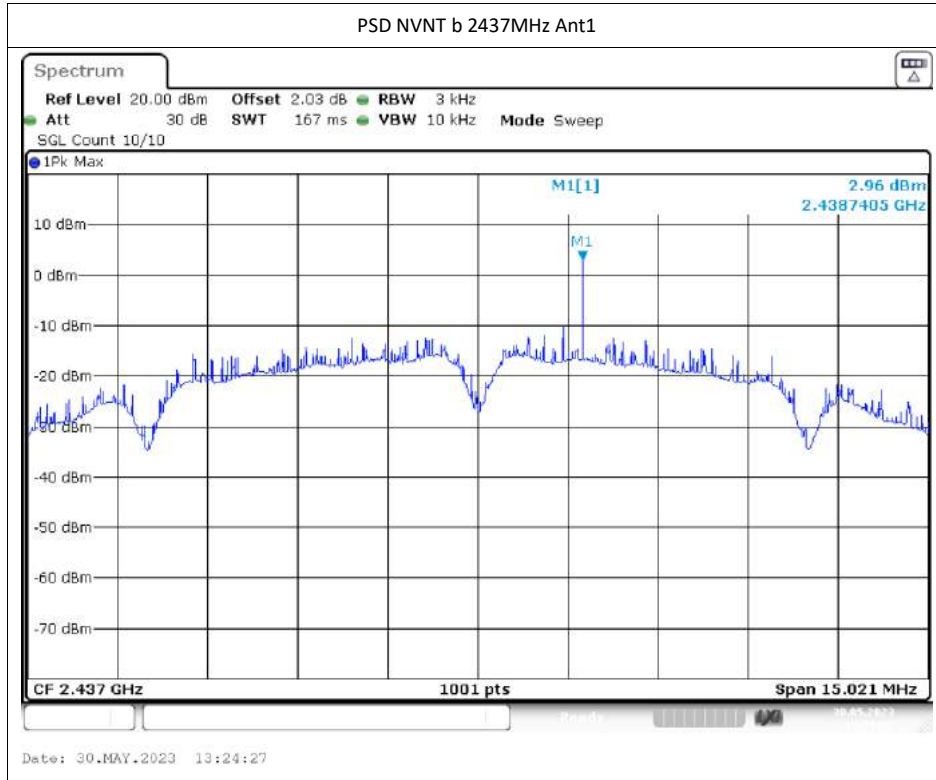


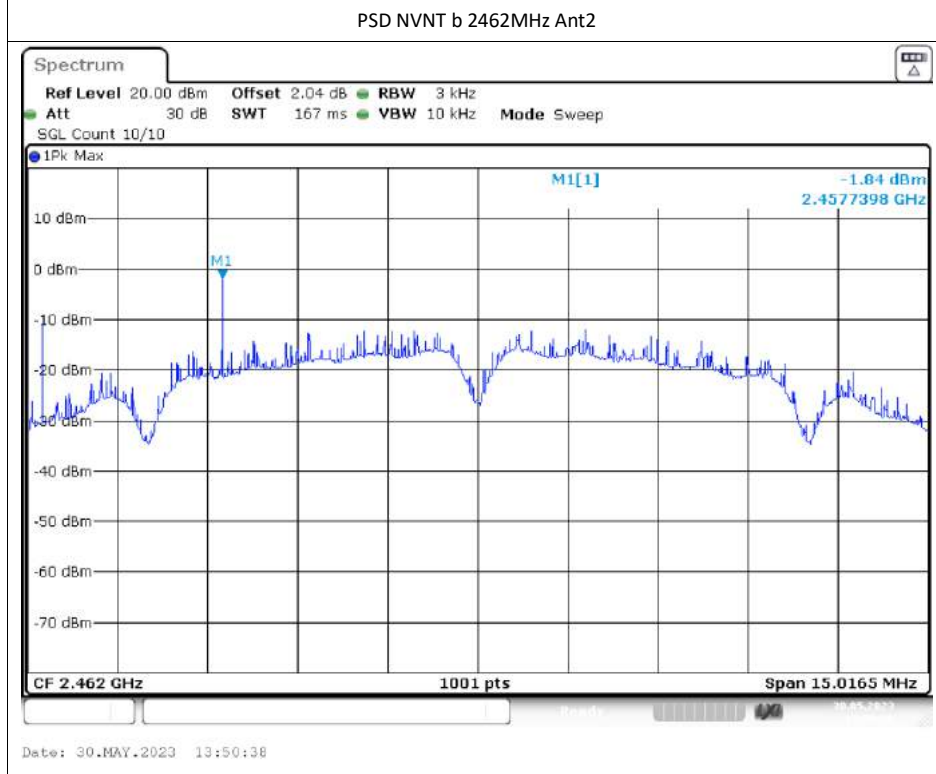
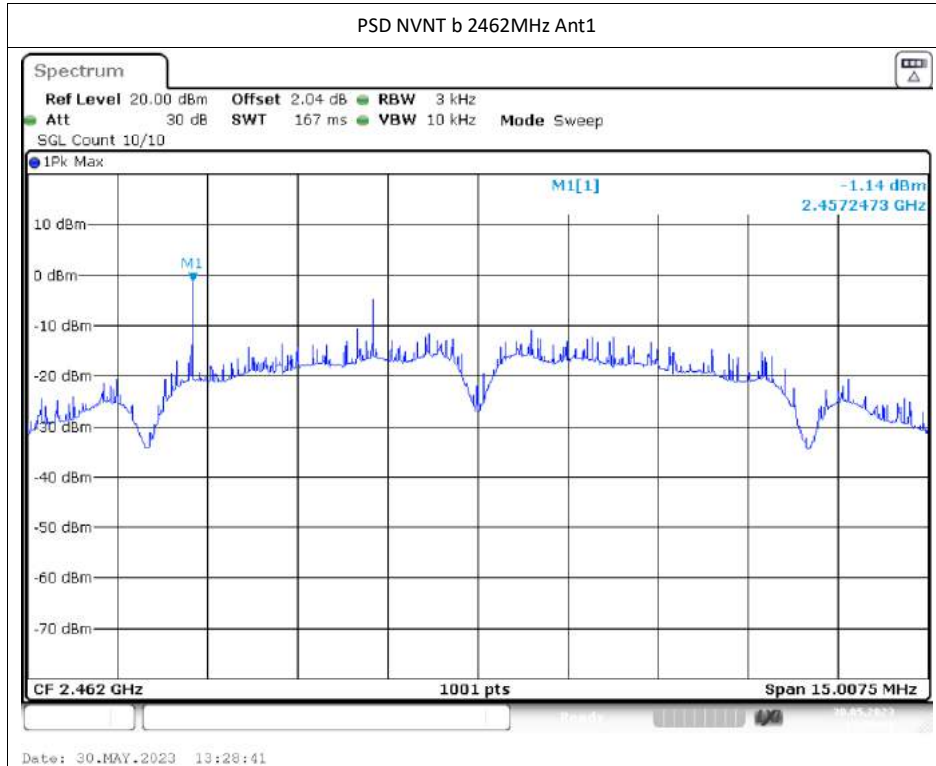
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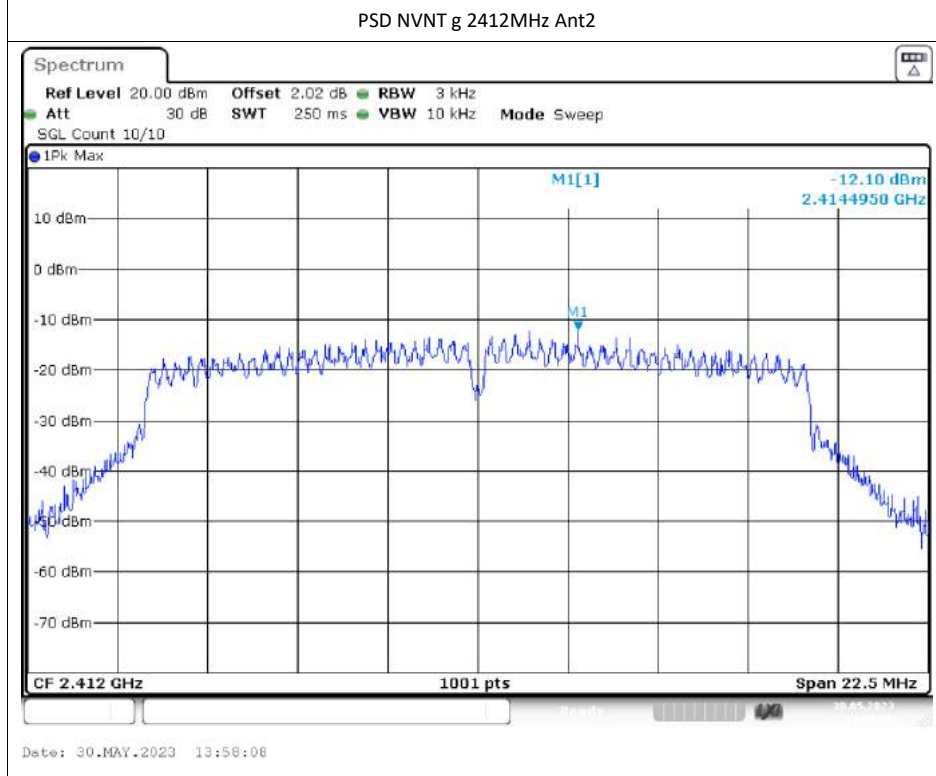
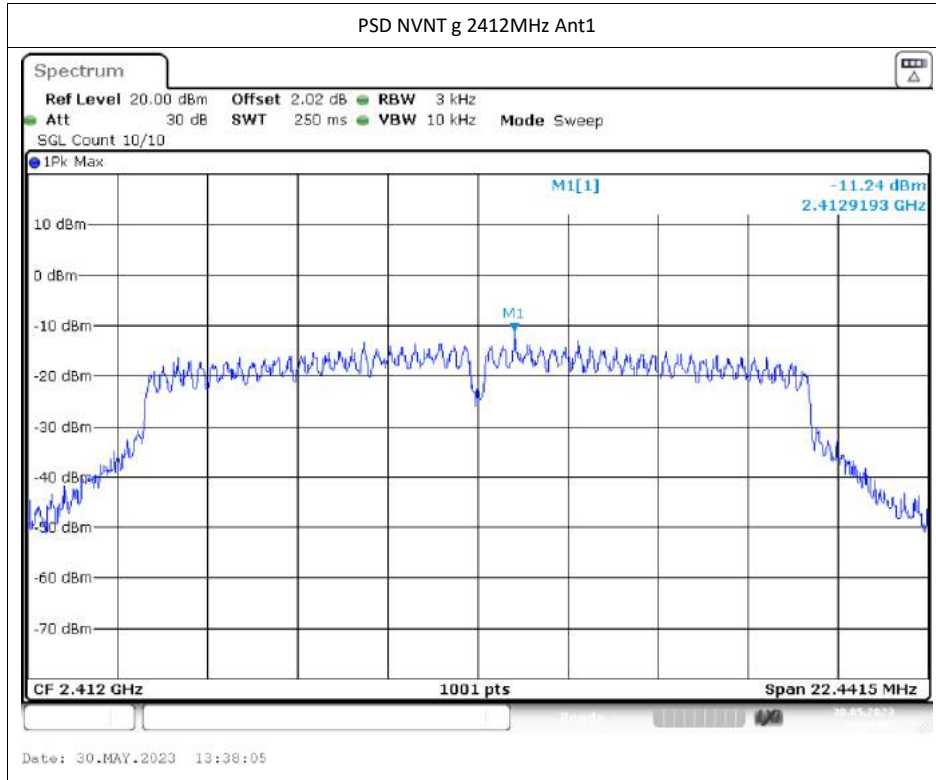
PSD NVNT b 2412MHz Ant2

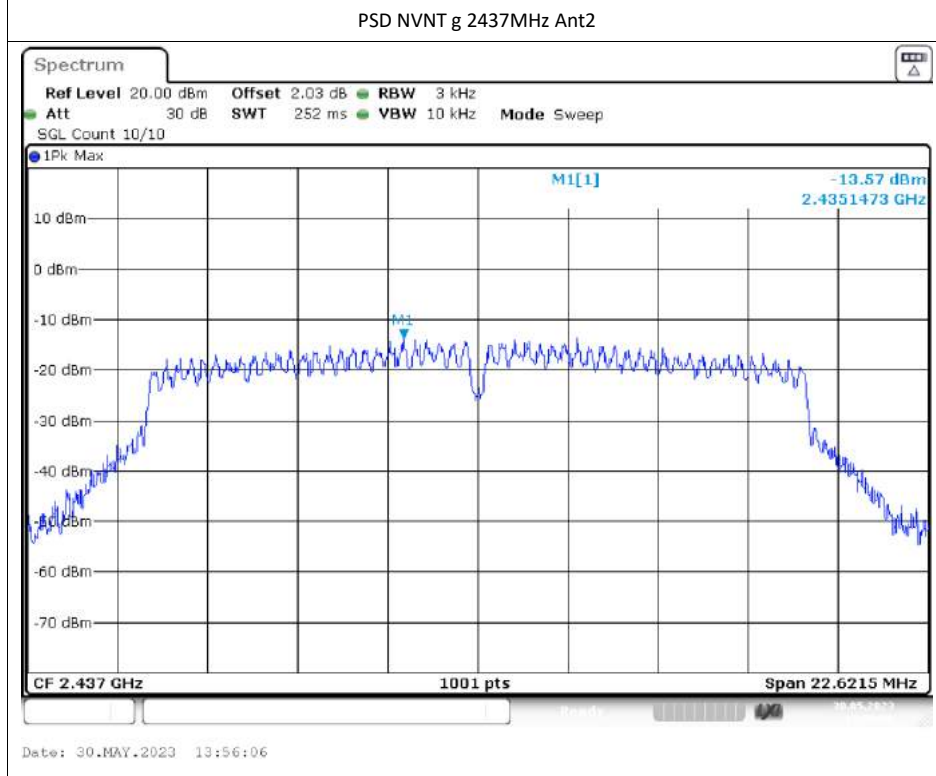
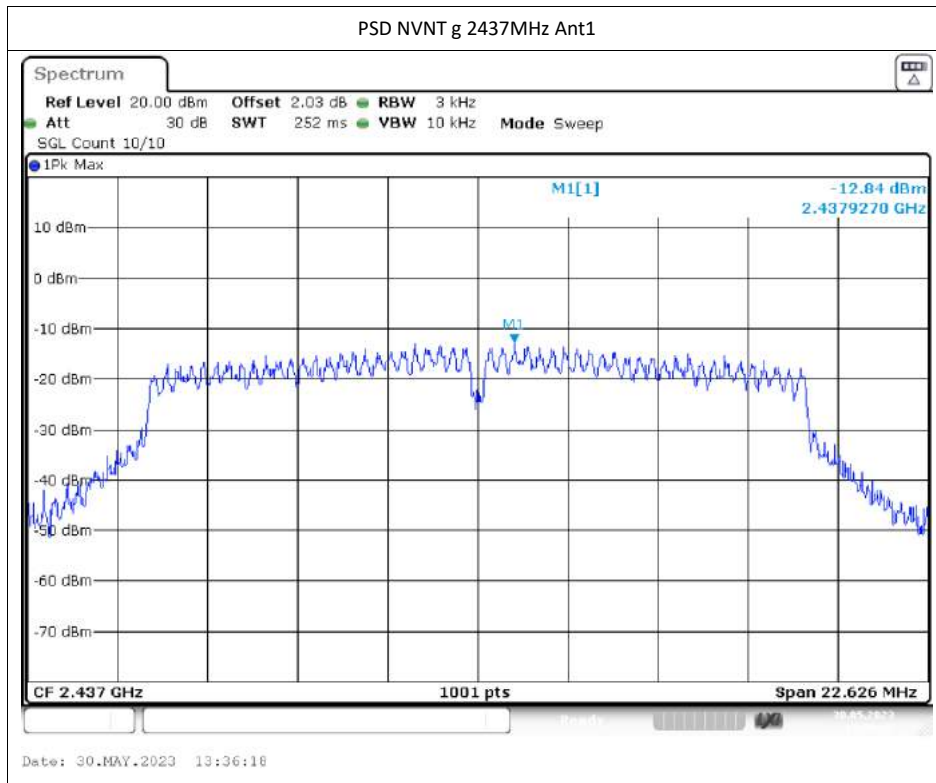


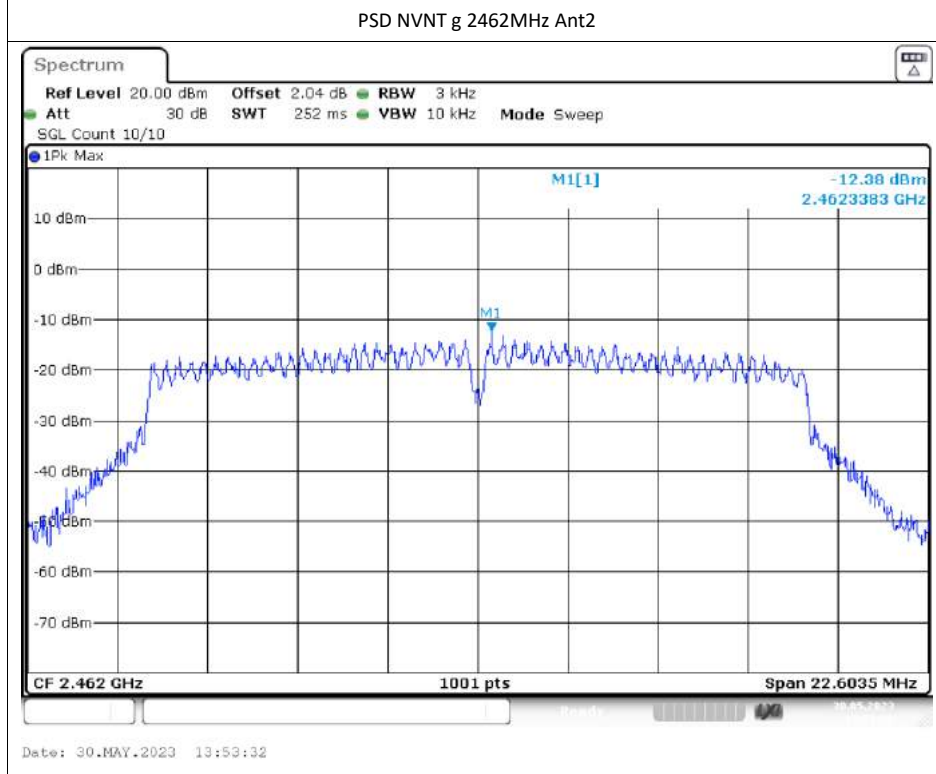
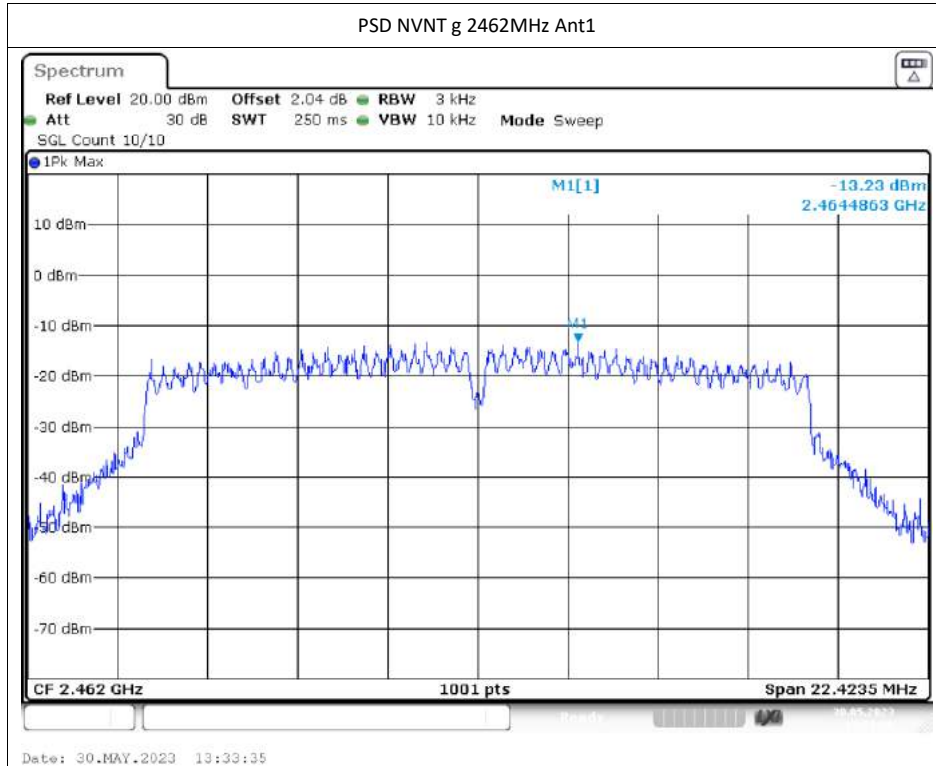
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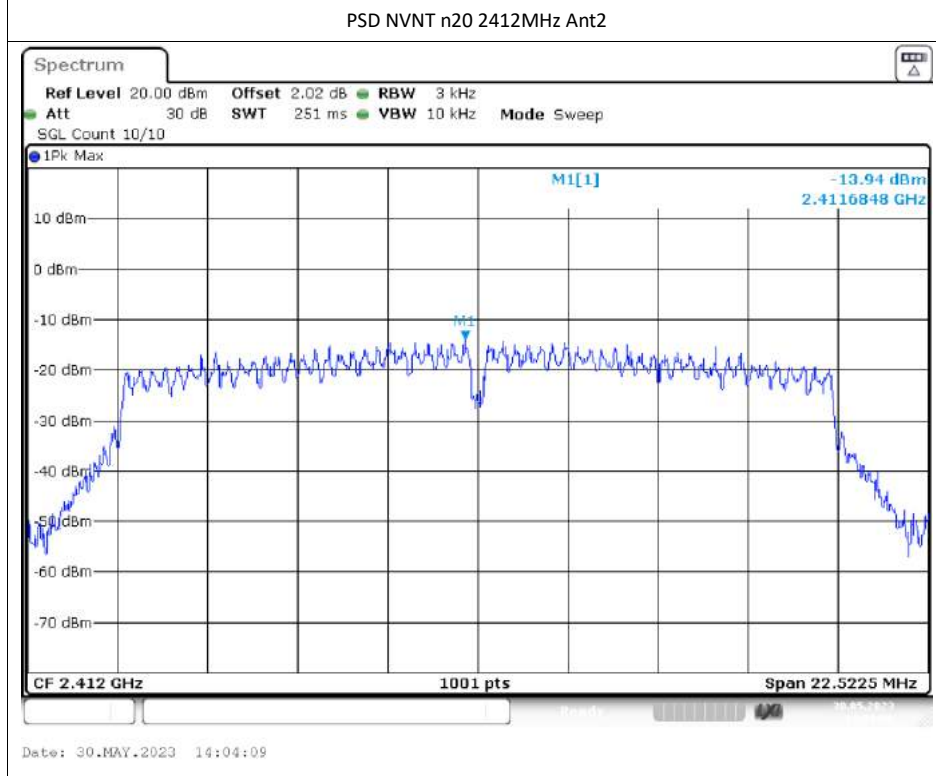
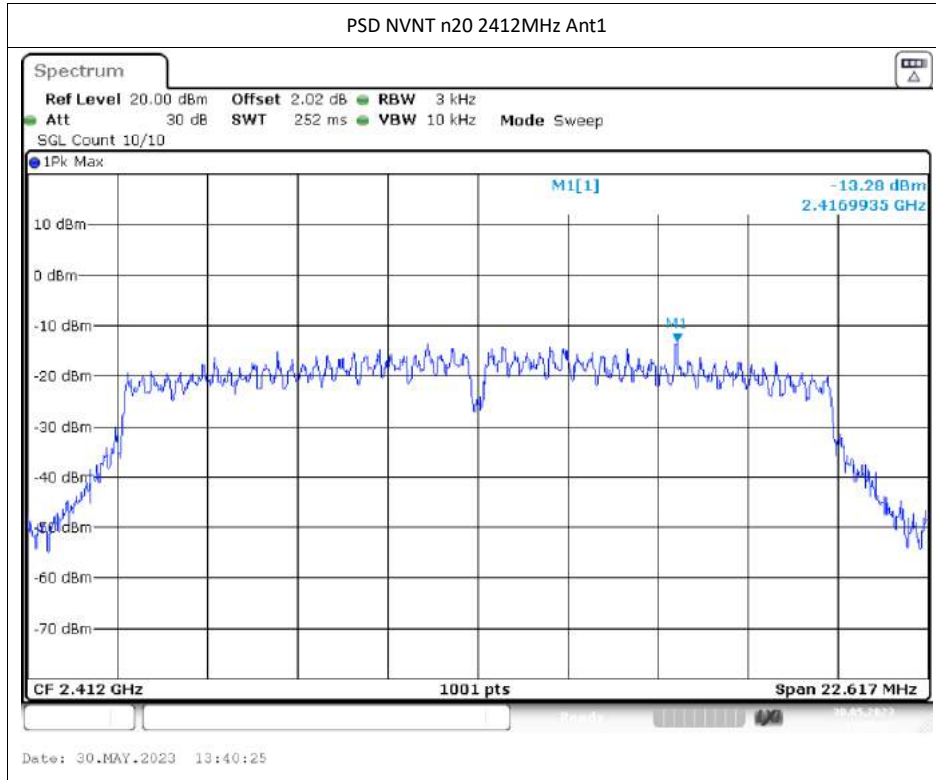


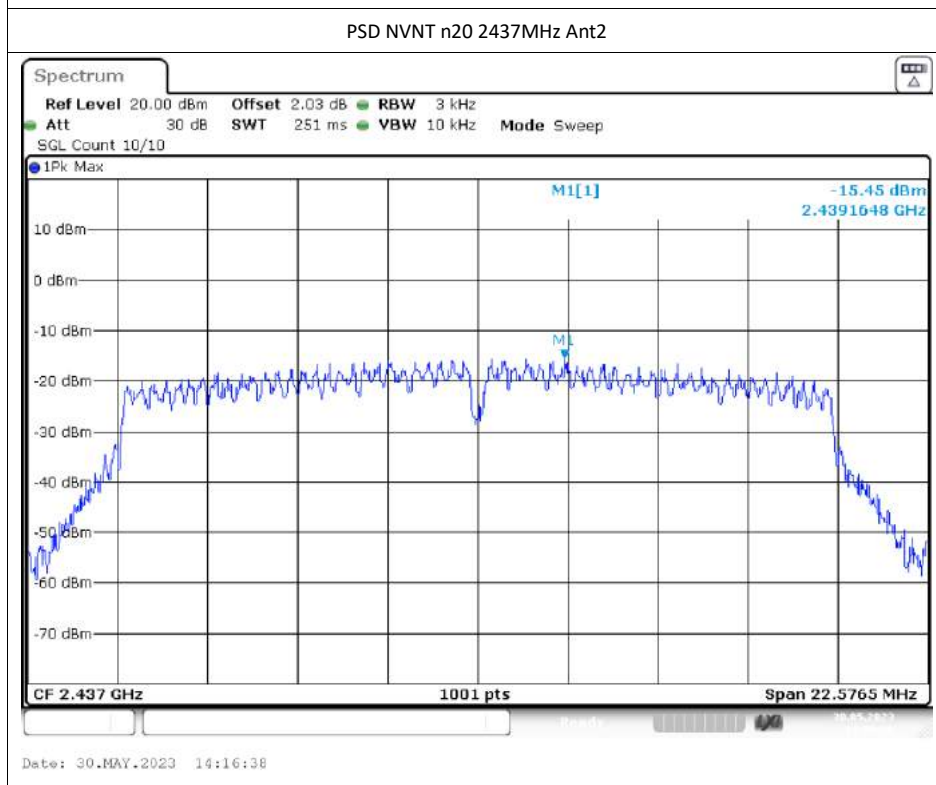
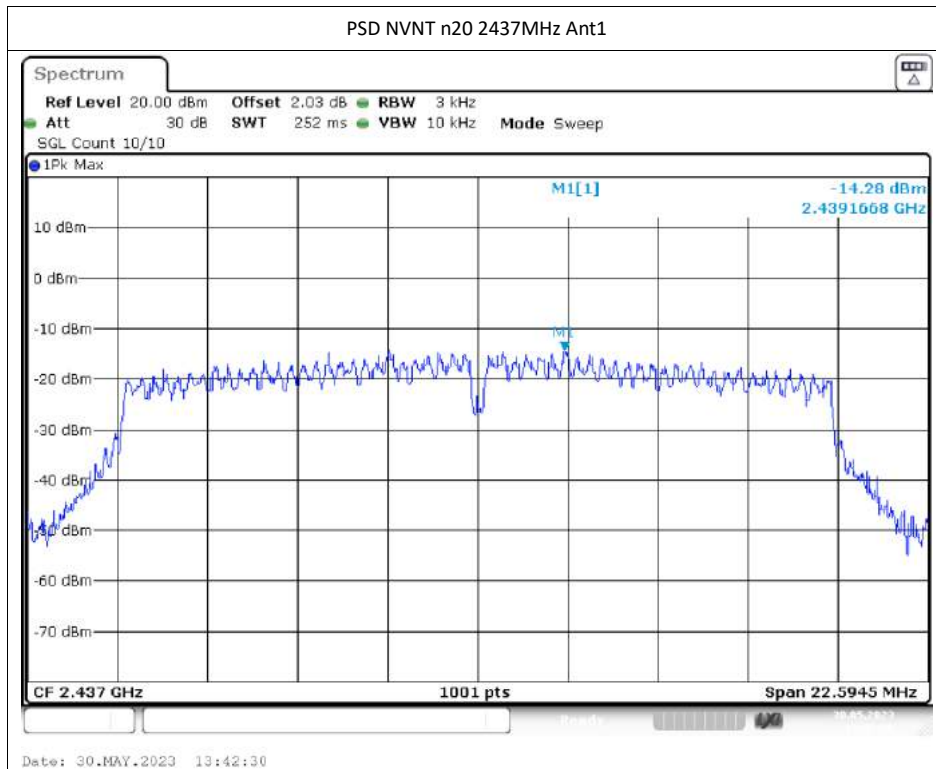


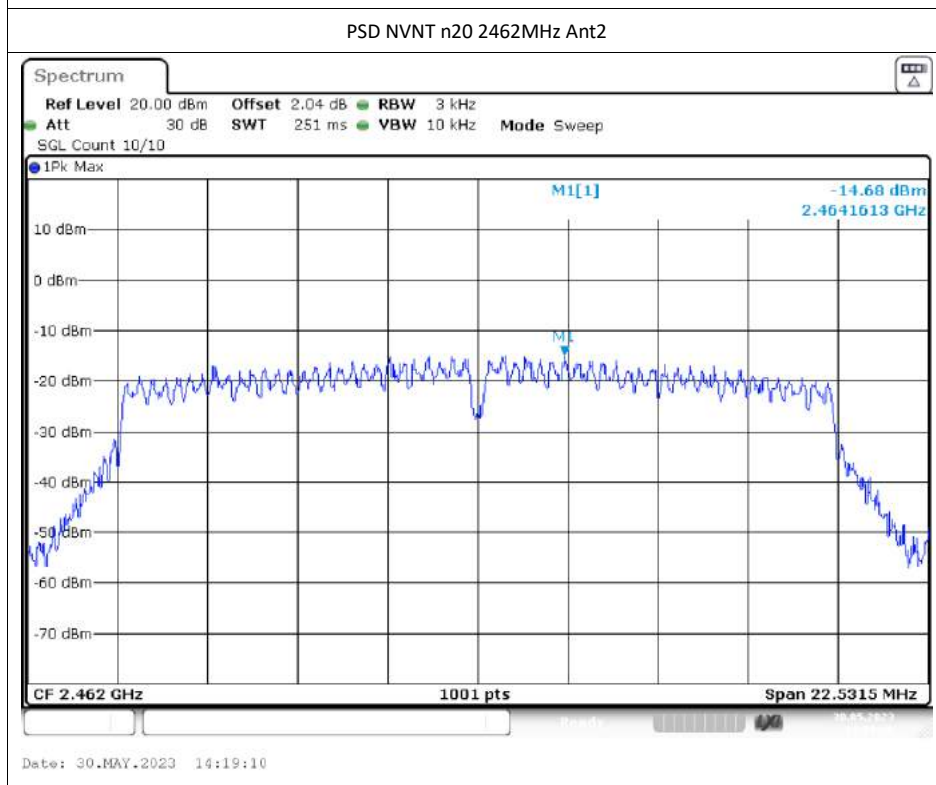
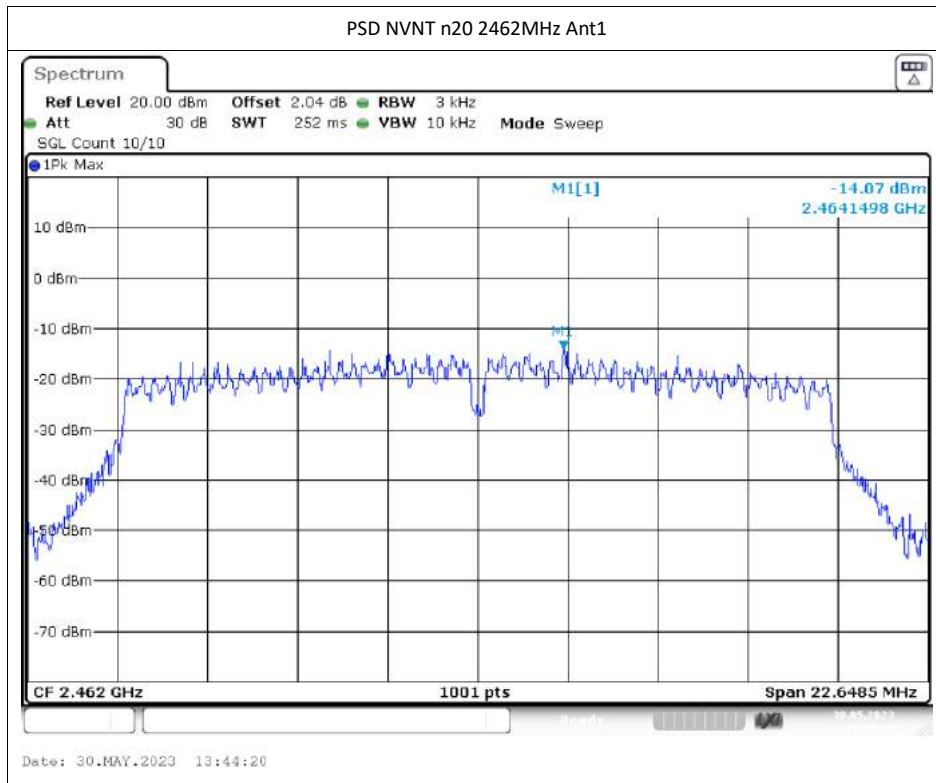


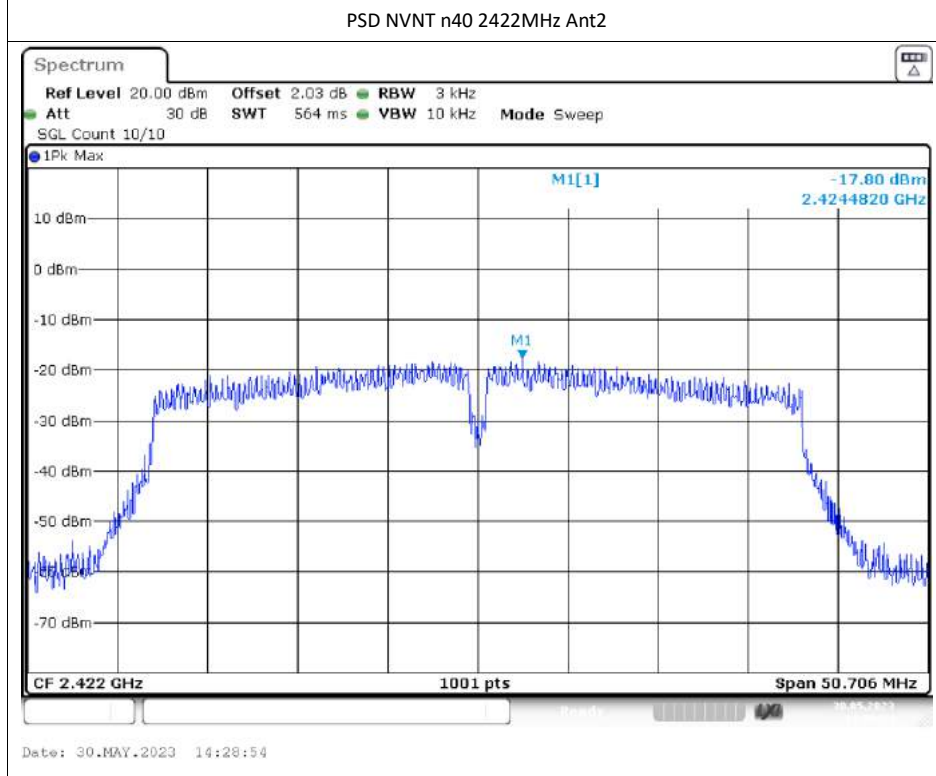
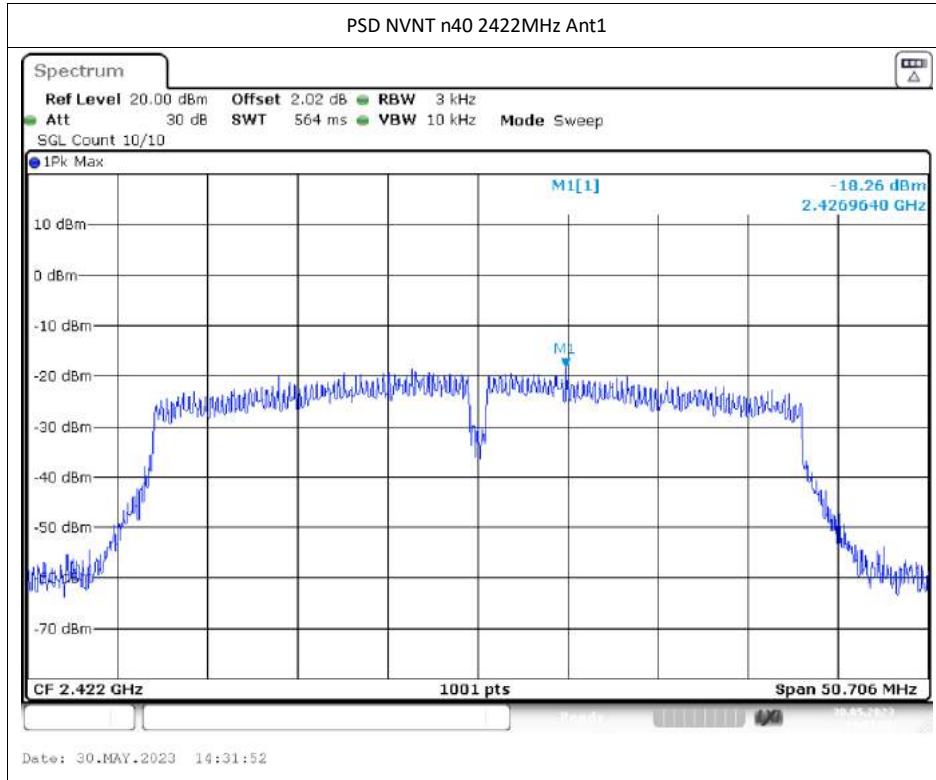


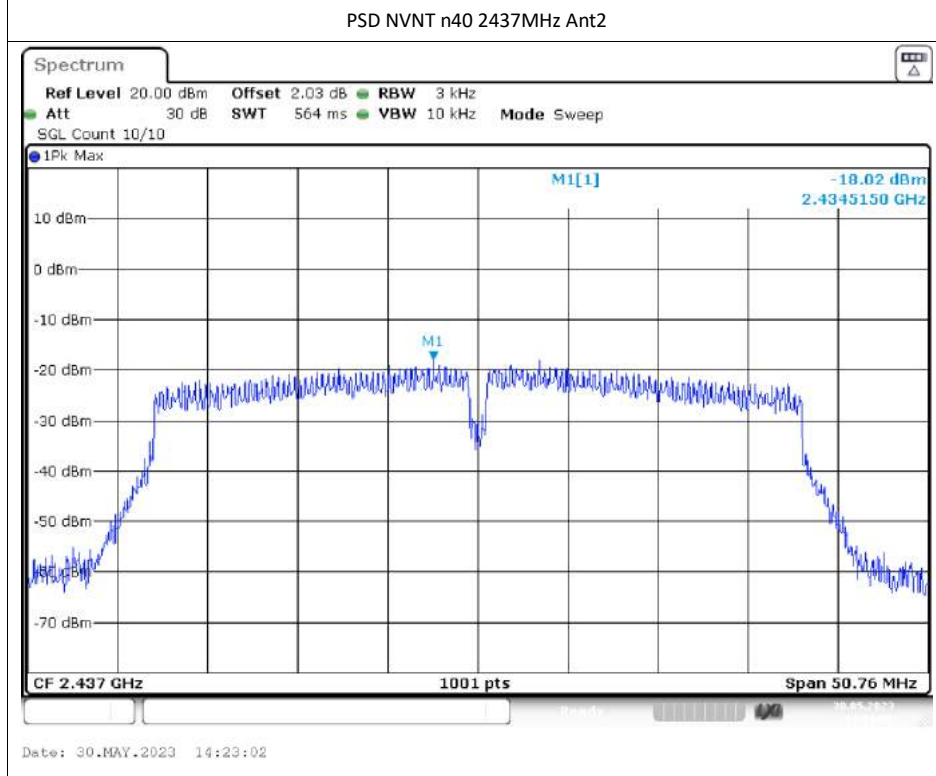
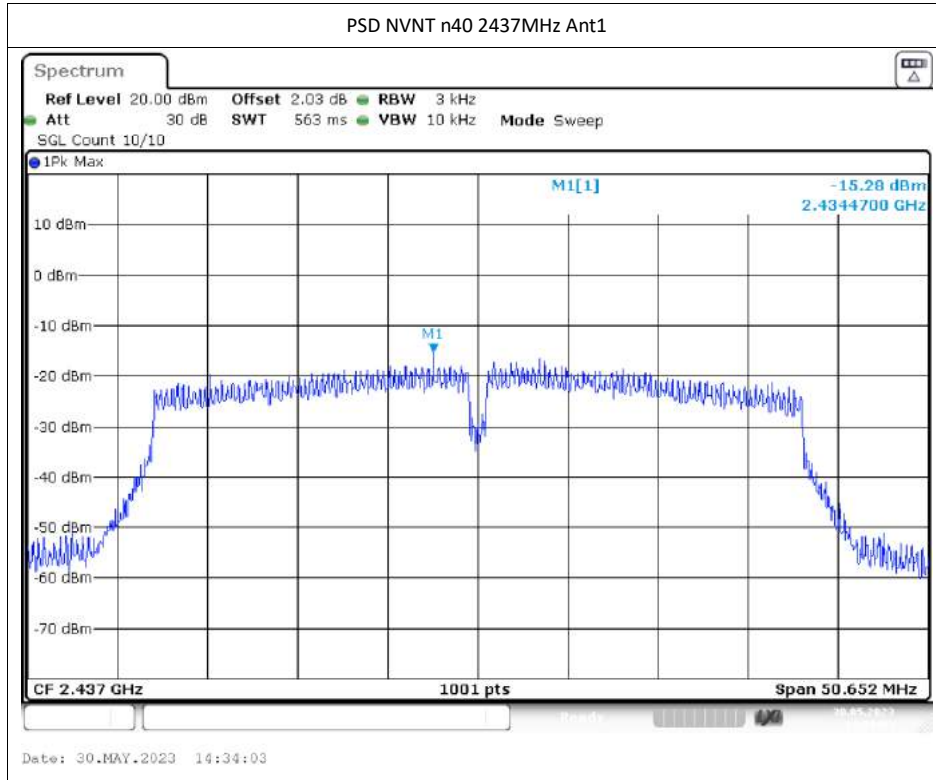


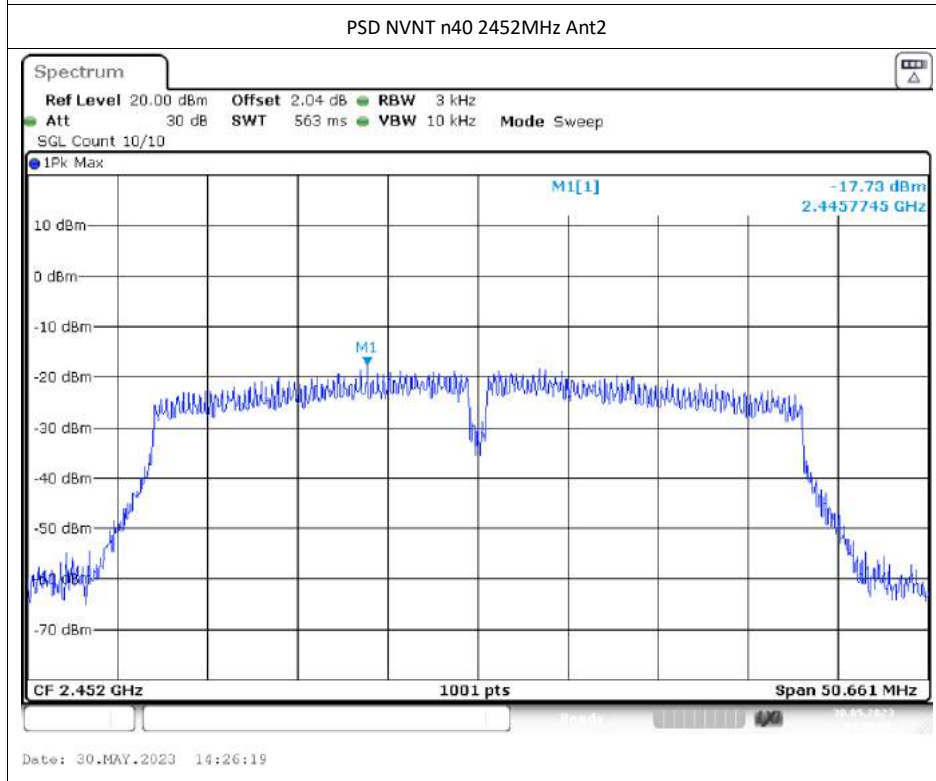
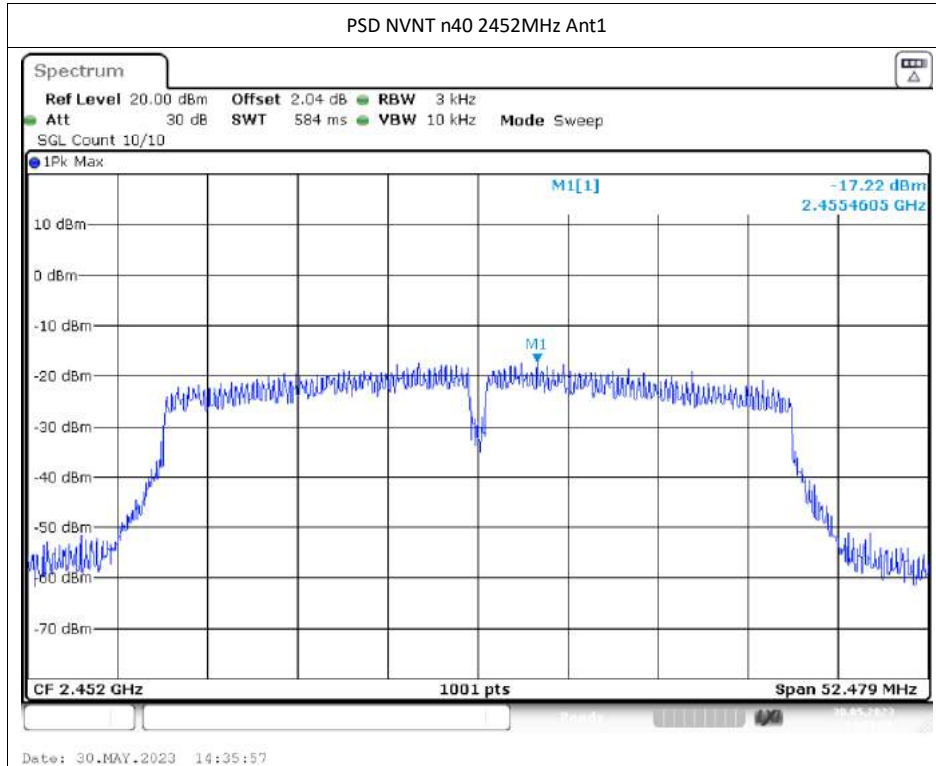










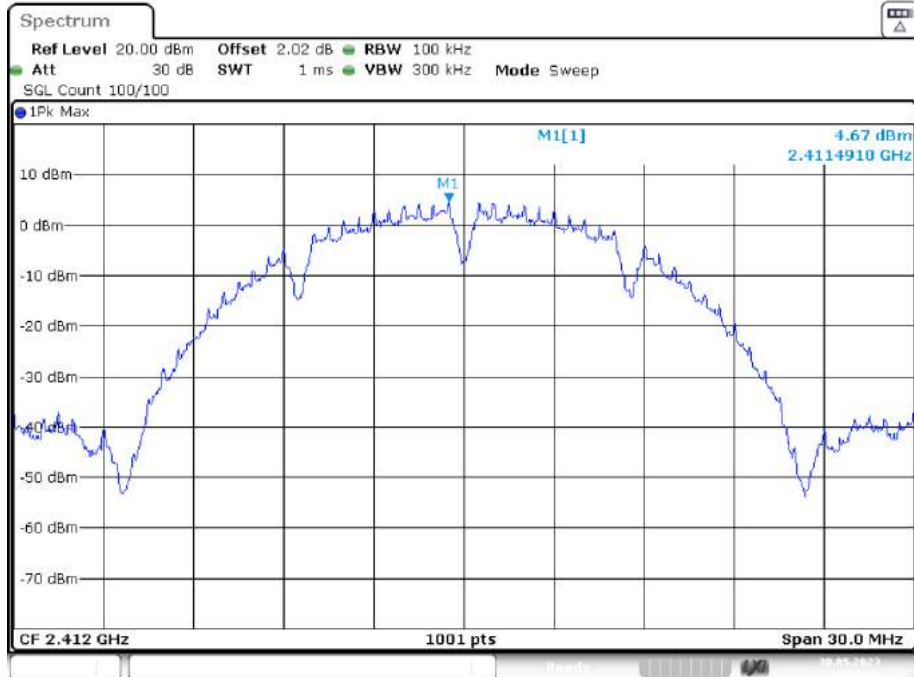


Band Edge

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-41.64	-20	Pass
NVNT	b	2412	Ant2	-47.85	-20	Pass
NVNT	b	2462	Ant1	-58.4	-20	Pass
NVNT	b	2462	Ant2	-57.84	-20	Pass
NVNT	g	2412	Ant1	-31.98	-20	Pass
NVNT	g	2412	Ant2	-35.06	-20	Pass
NVNT	g	2462	Ant1	-48.7	-20	Pass
NVNT	g	2462	Ant2	-51.29	-20	Pass
NVNT	n20	2412	Ant1	-33.42	-20	Pass
NVNT	n20	2412	Ant2	-35.88	-20	Pass
NVNT	n20	2462	Ant1	-50.22	-20	Pass
NVNT	n20	2462	Ant2	-52.62	-20	Pass
NVNT	n40	2422	Ant1	-39.64	-20	Pass
NVNT	n40	2422	Ant2	-39.04	-20	Pass
NVNT	n40	2452	Ant1	-41.92	-20	Pass
NVNT	n40	2452	Ant2	-45.53	-20	Pass

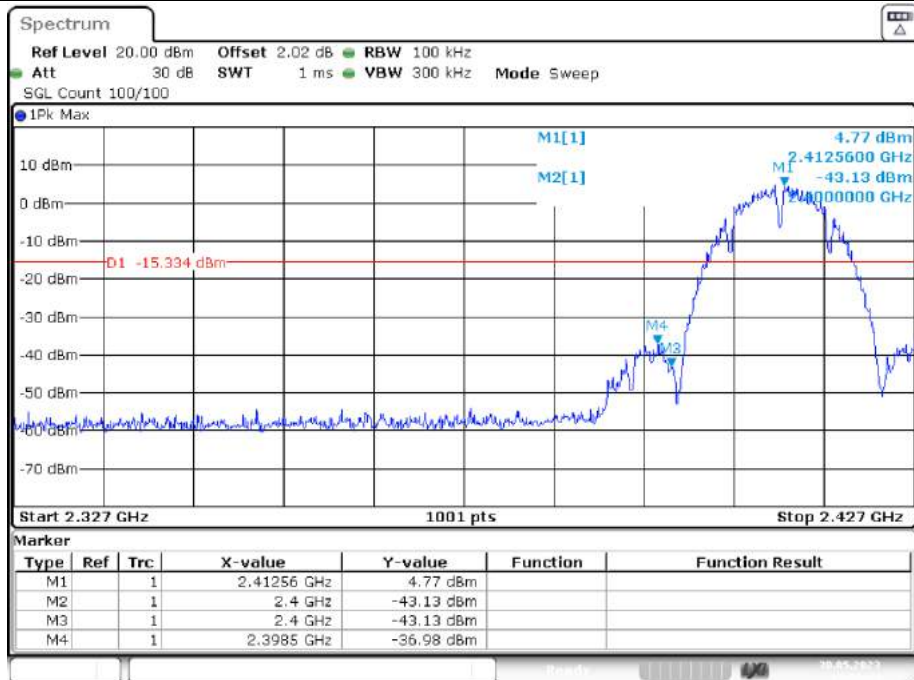
Test Graphs

Band Edge NVNT b 2412MHz Ant1 Ref

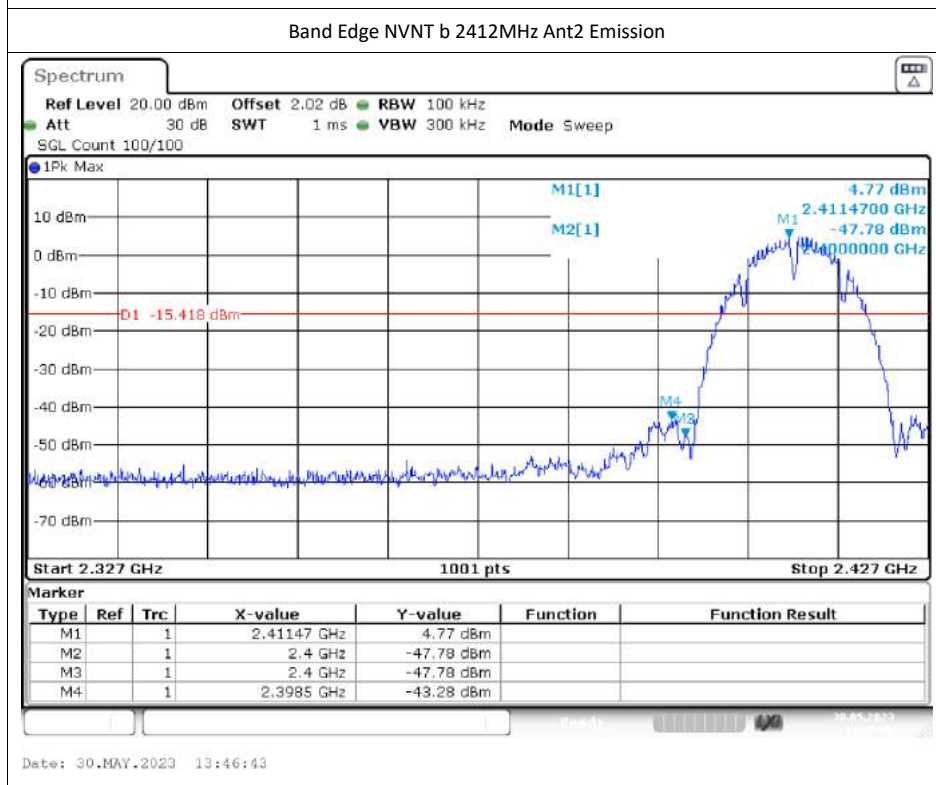
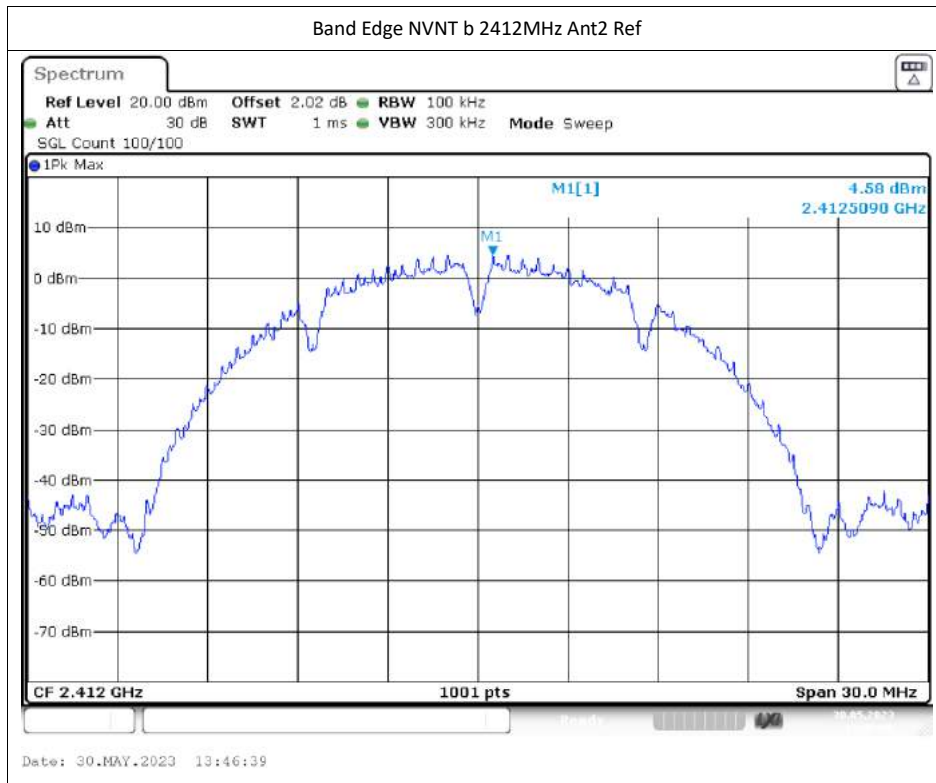


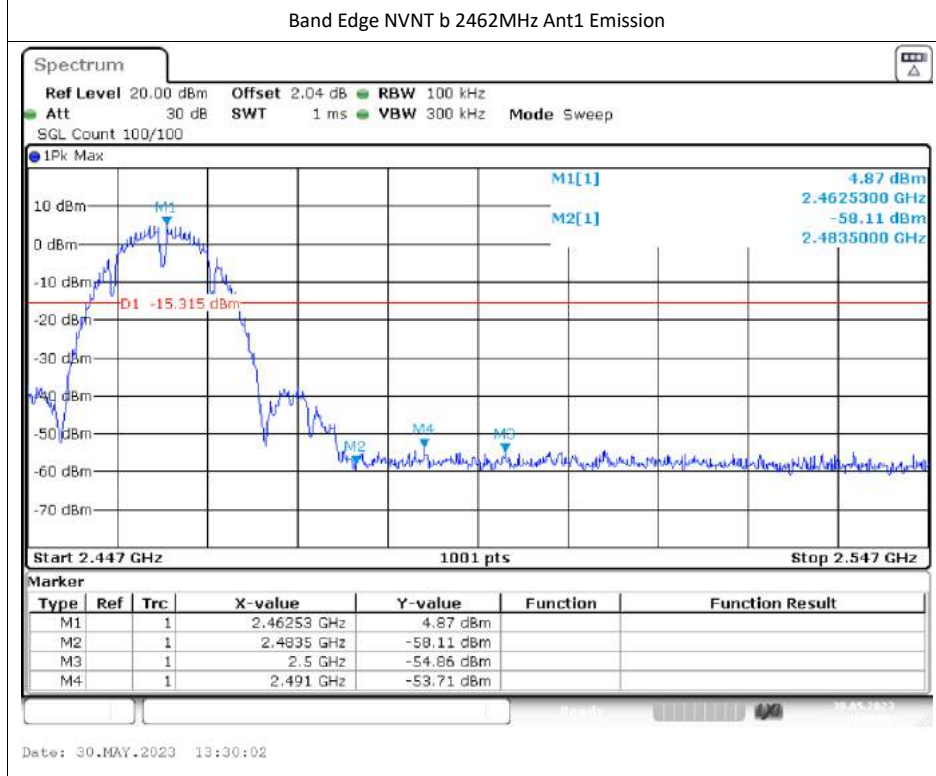
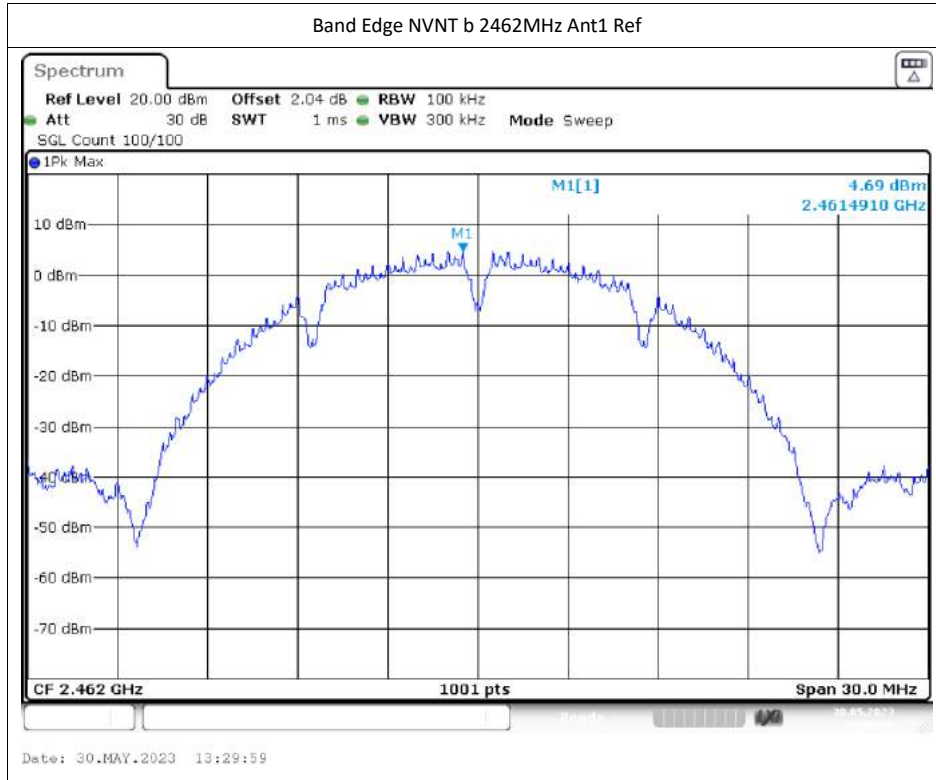
Date: 30.MAY.2023 13:22:10

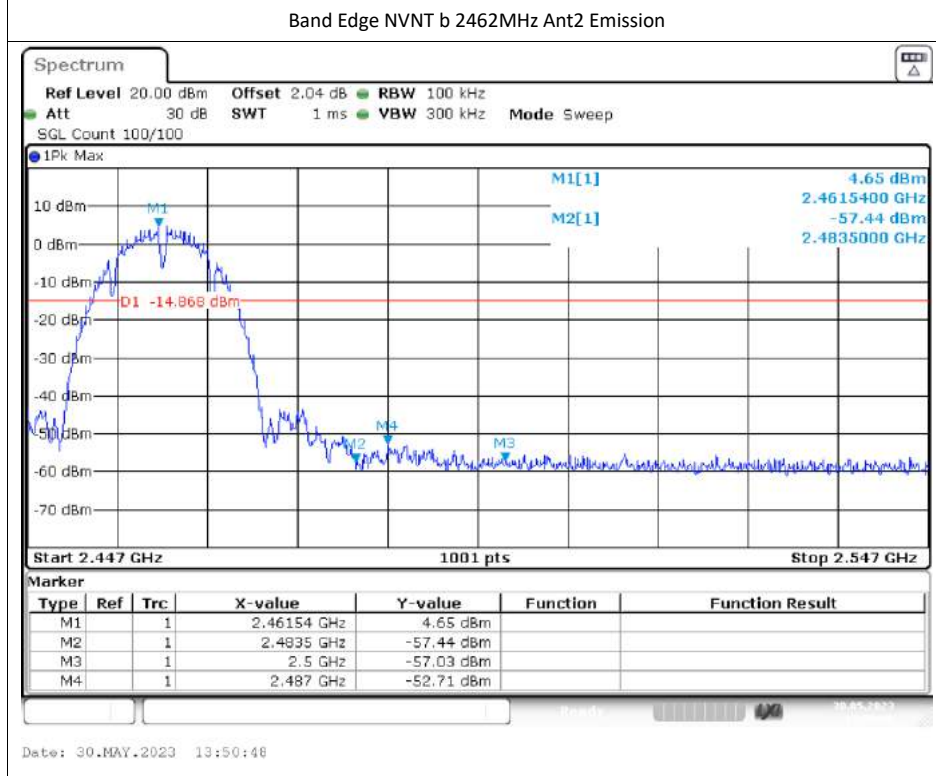
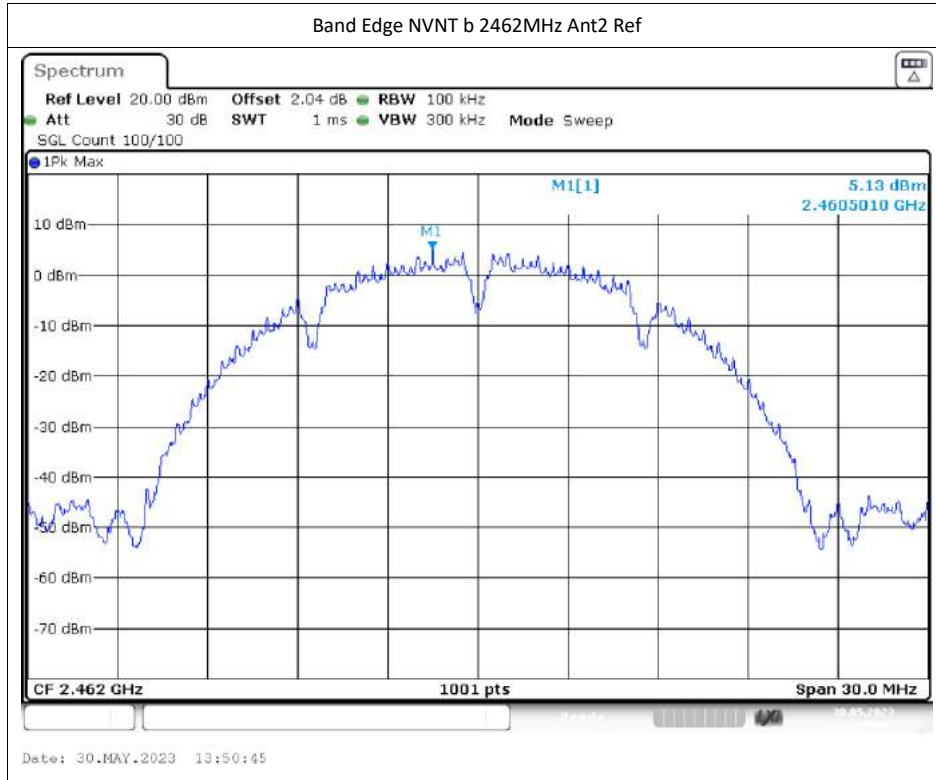
Band Edge NVNT b 2412MHz Ant1 Emission

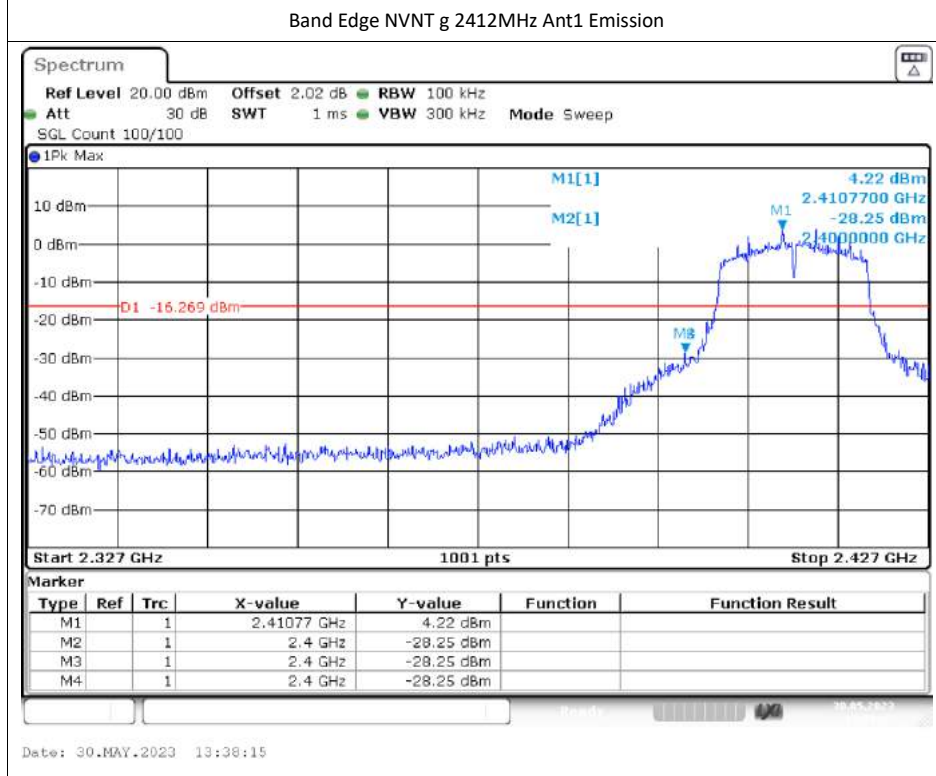
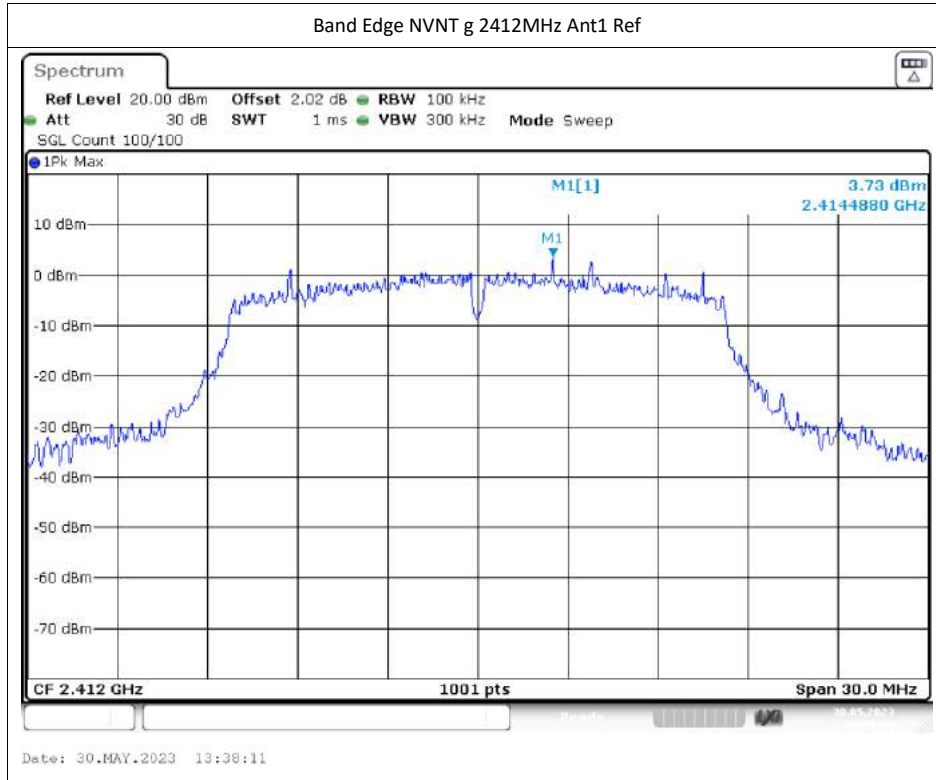


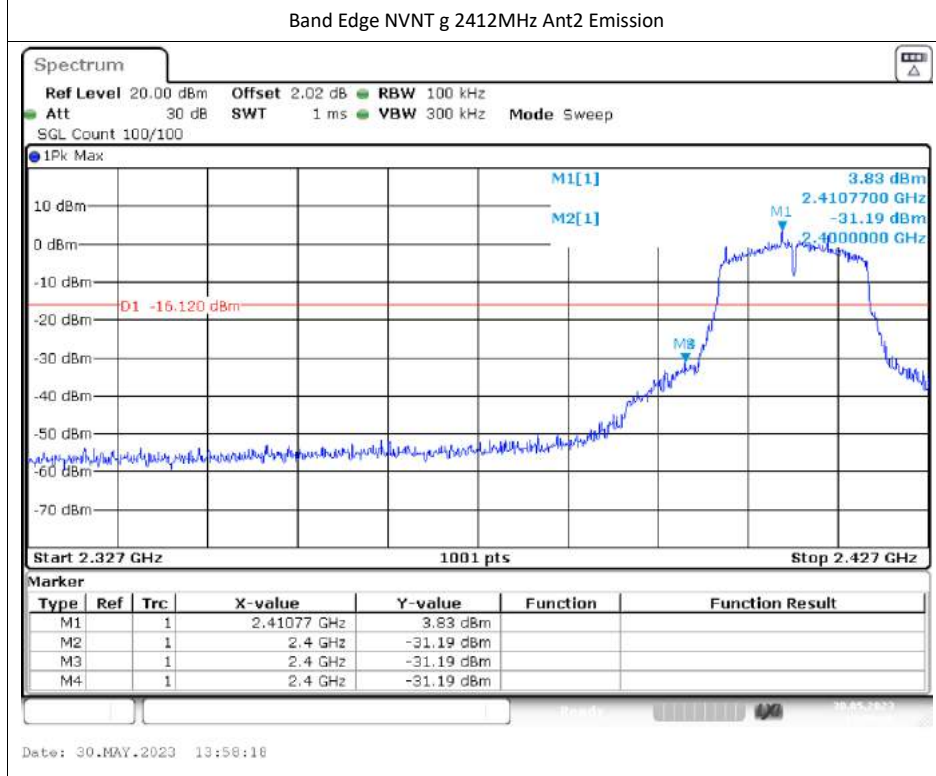
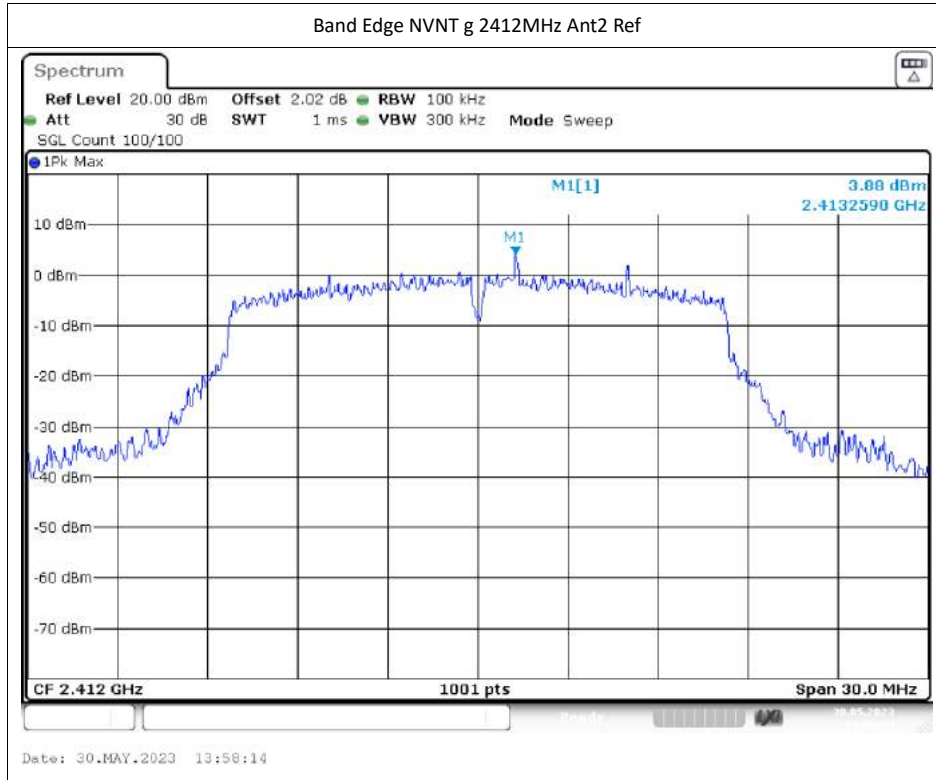
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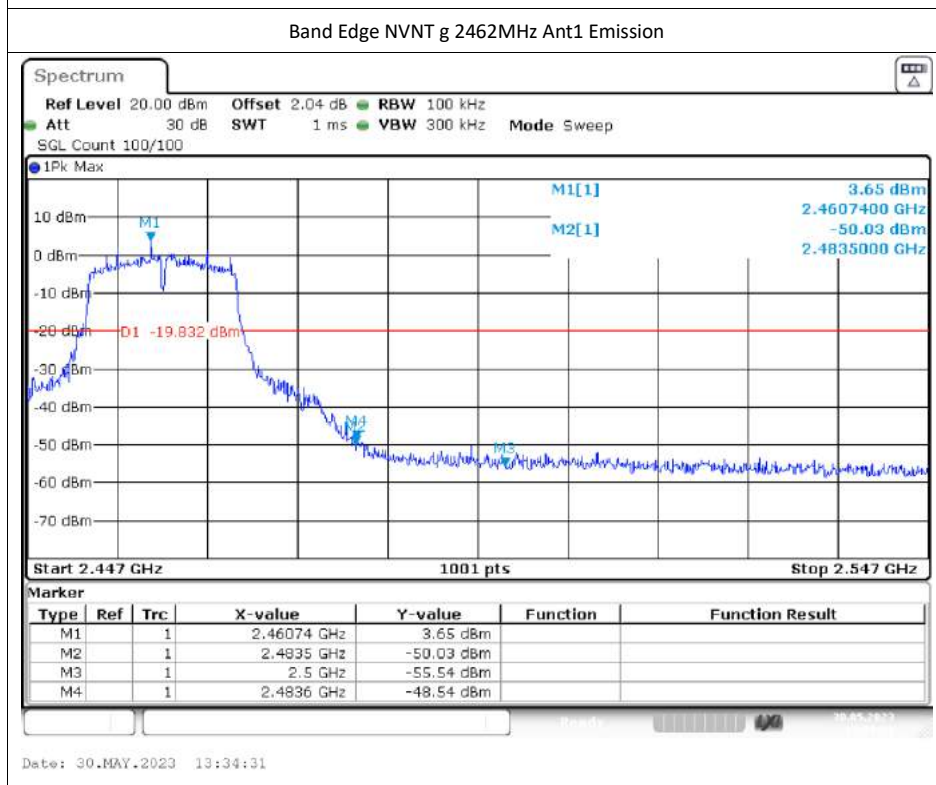
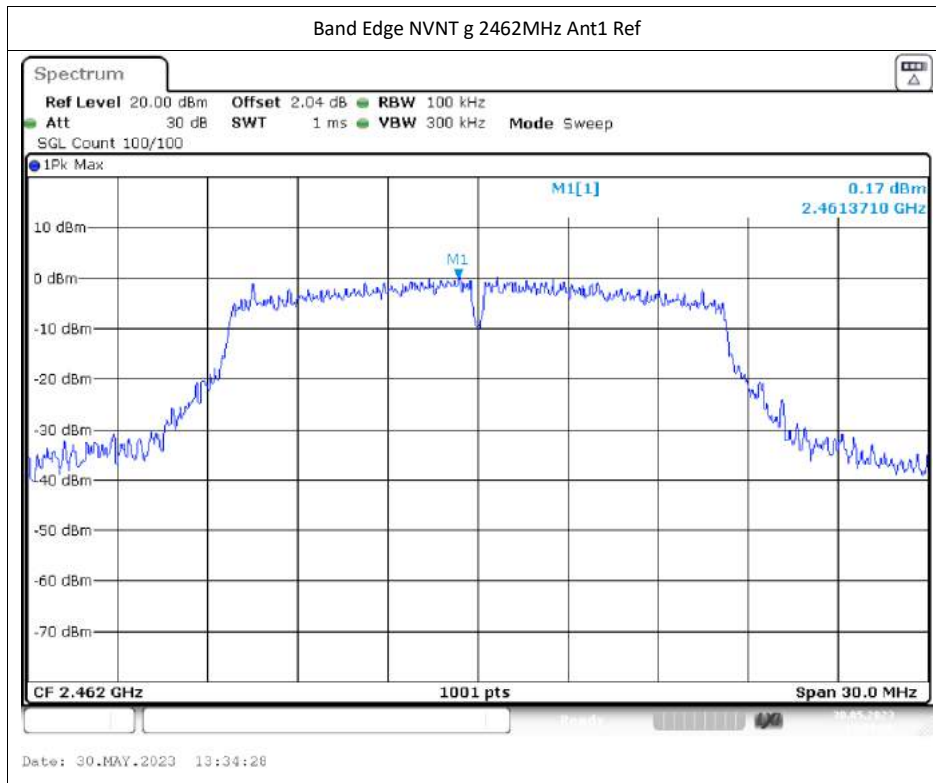


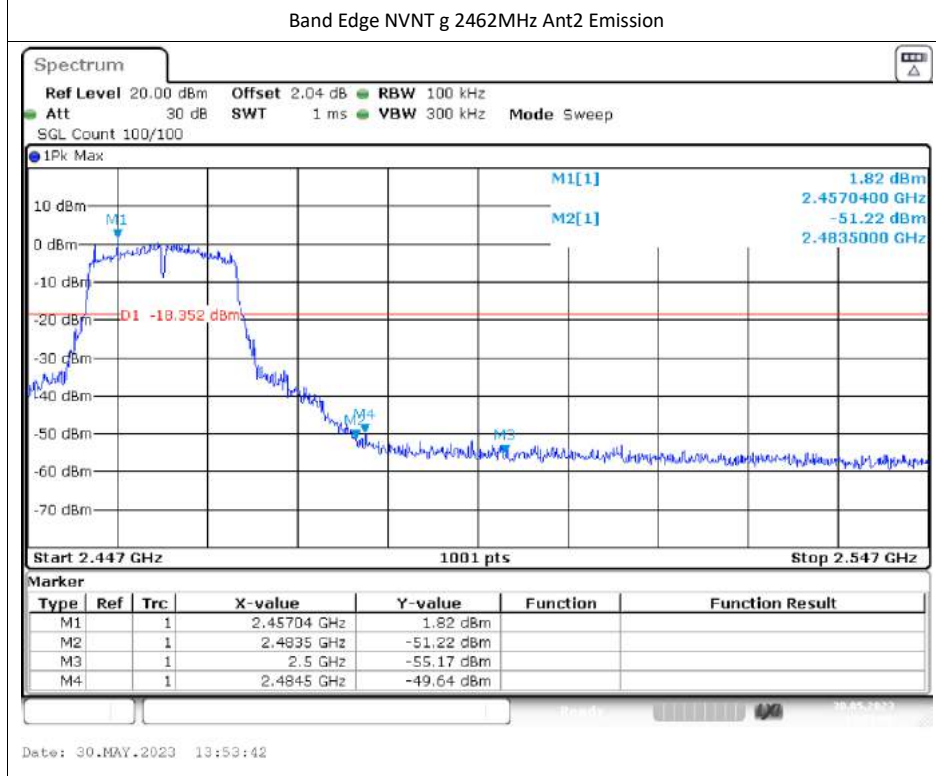
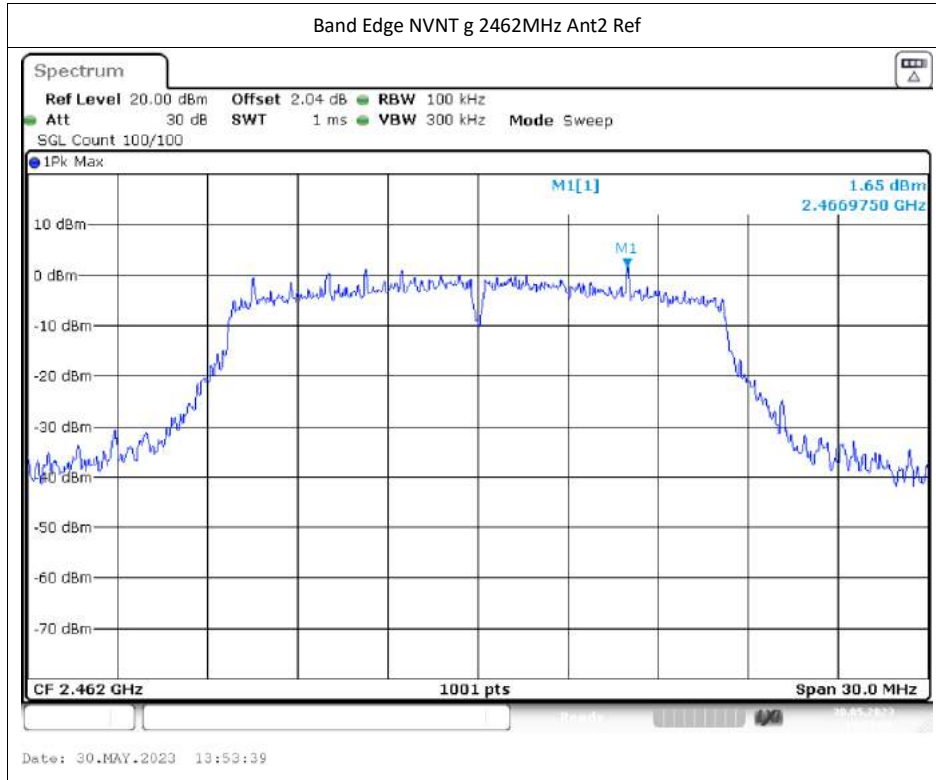


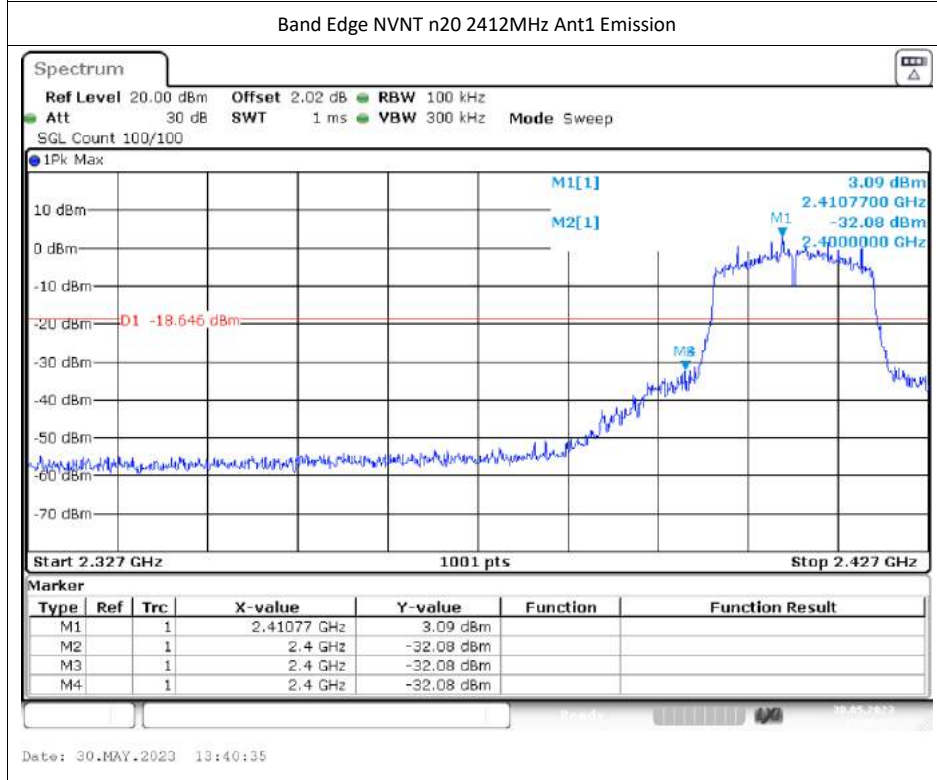
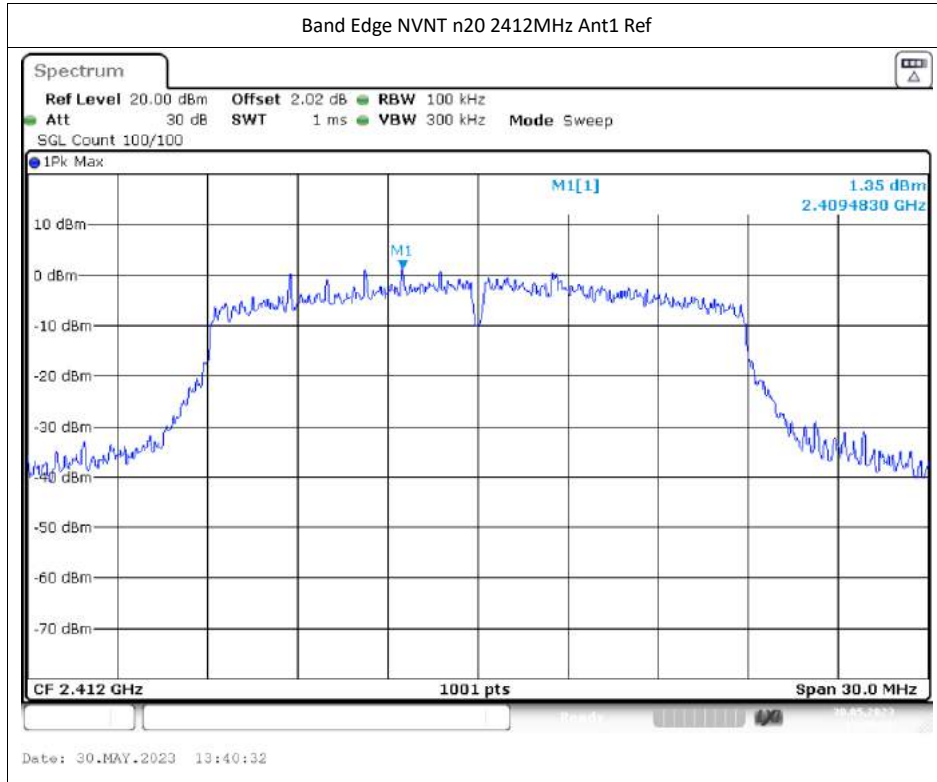


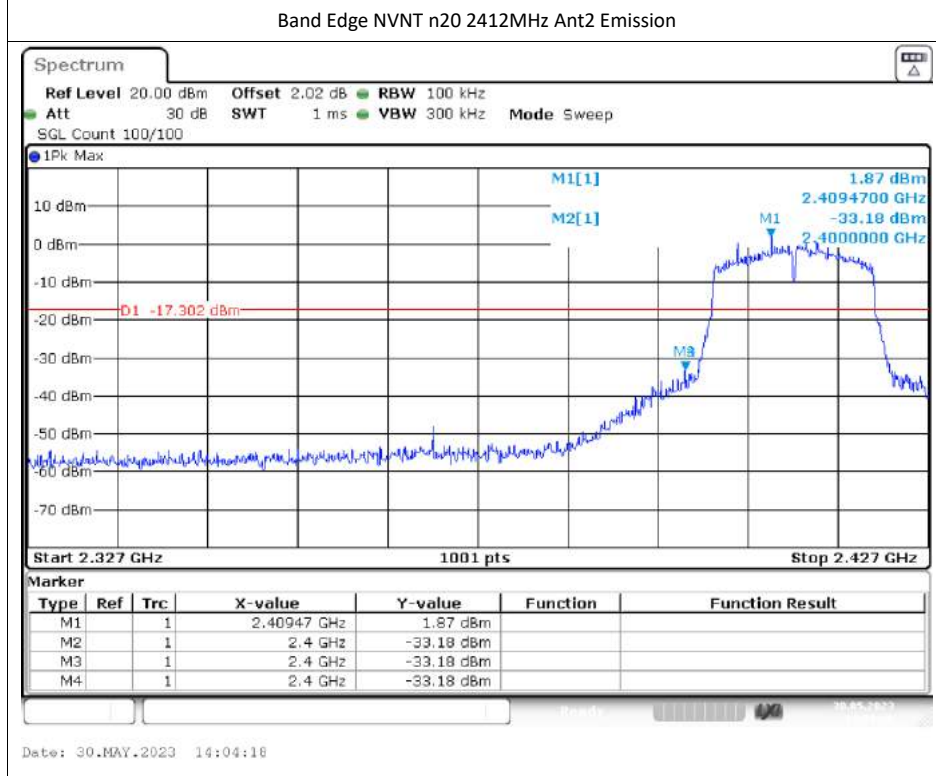
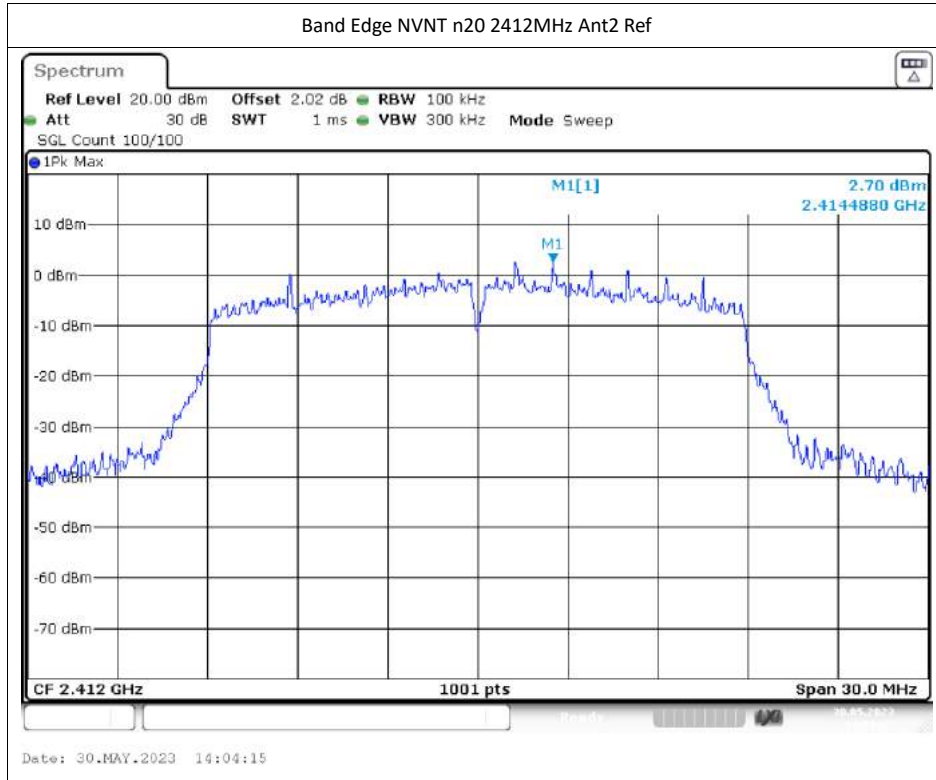


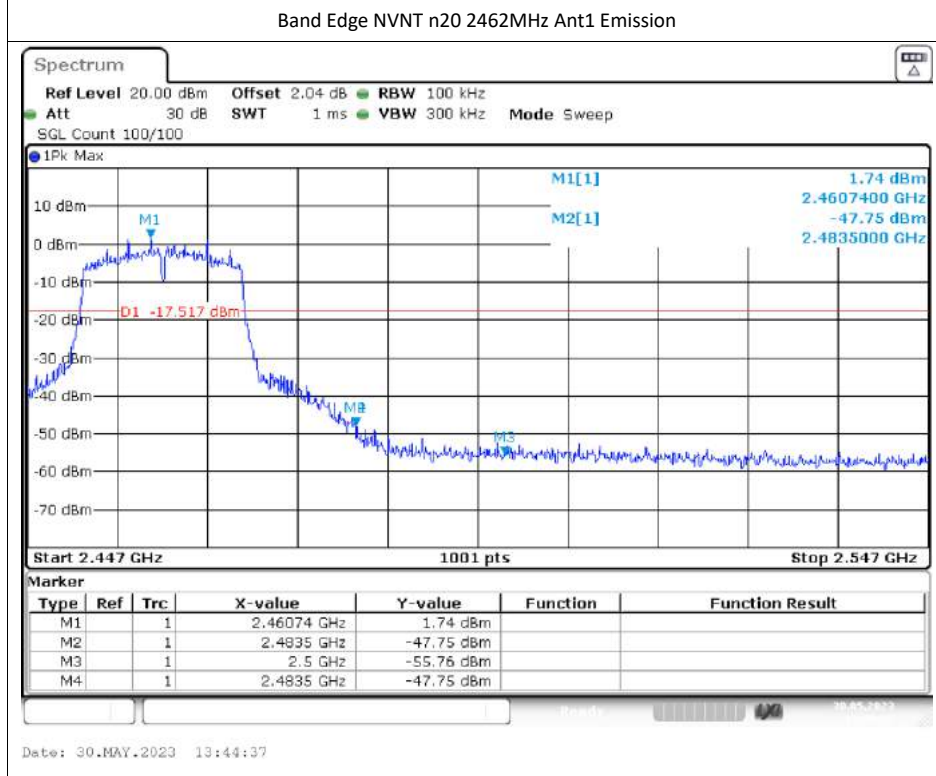
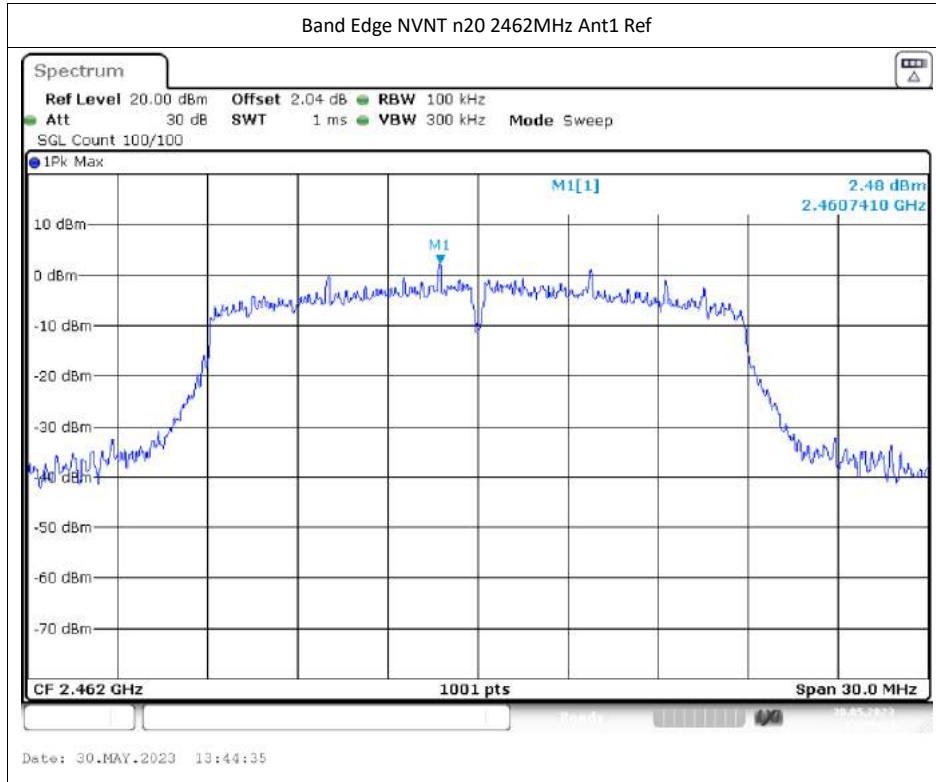


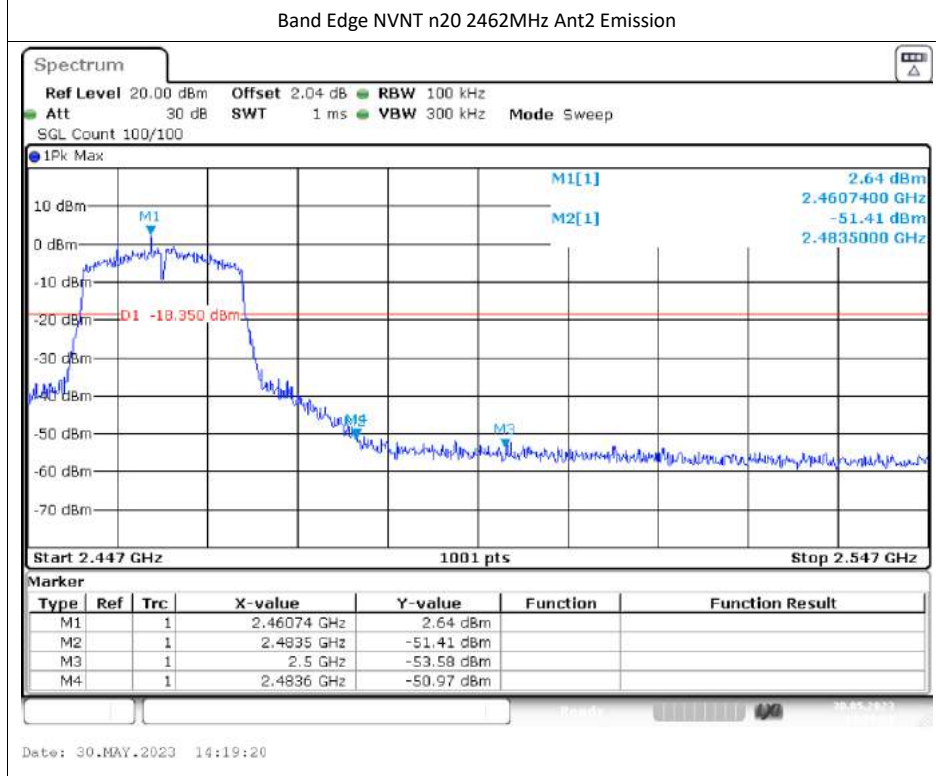
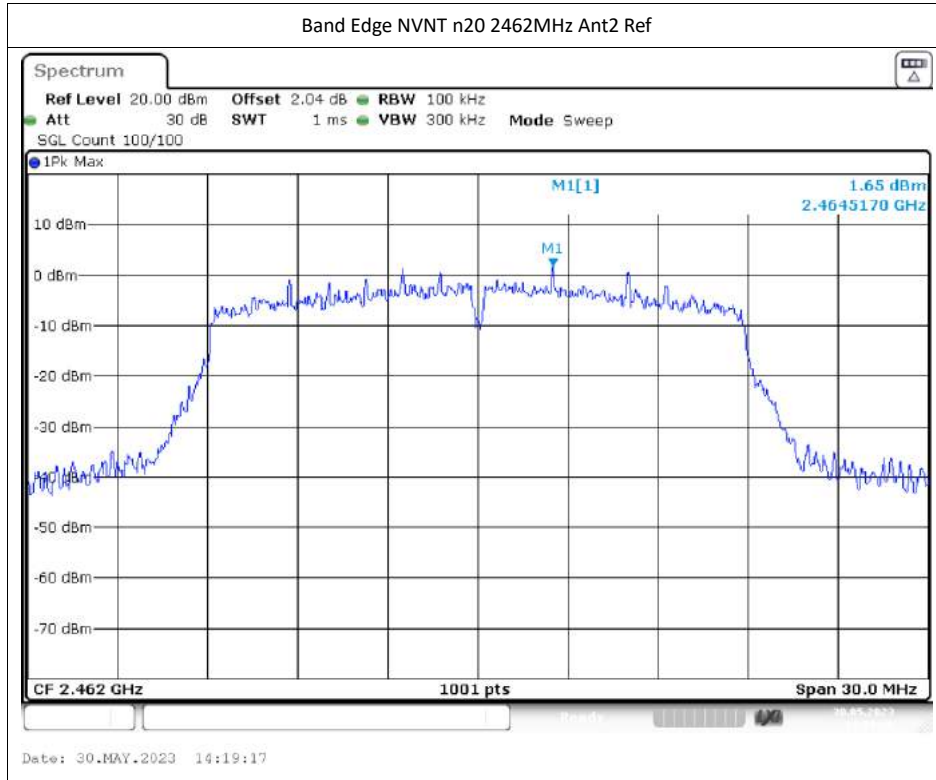


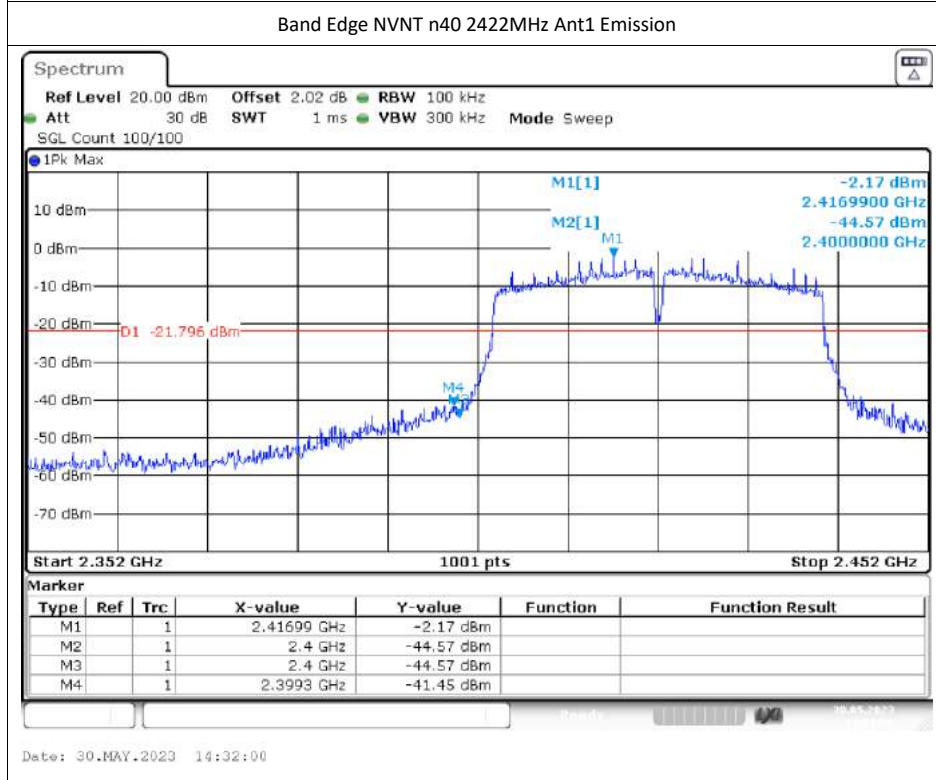
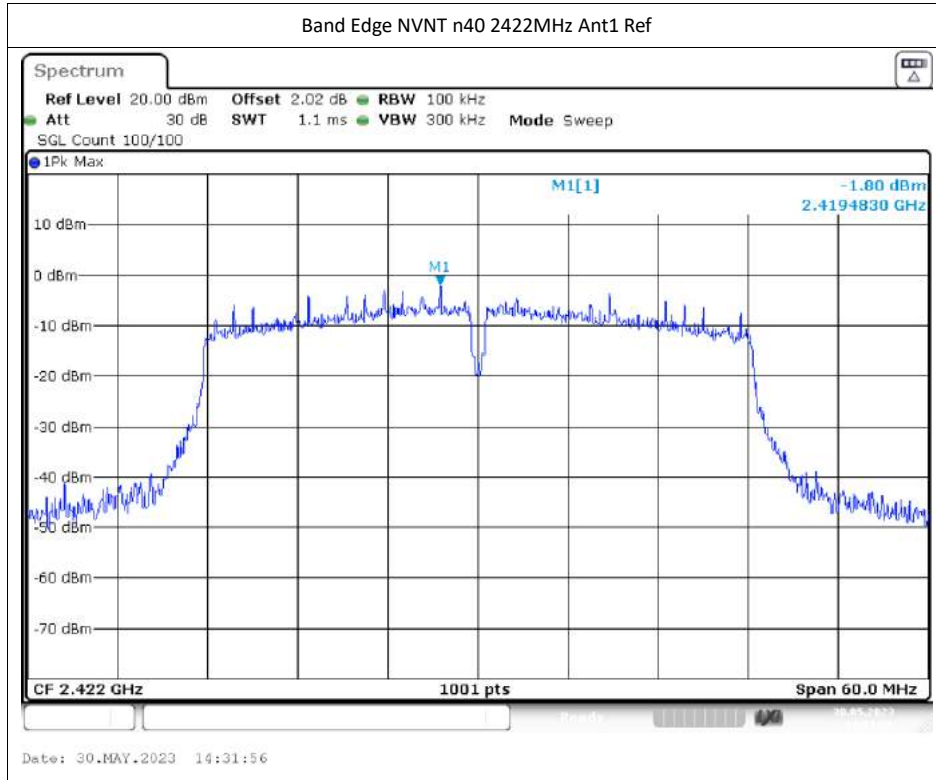




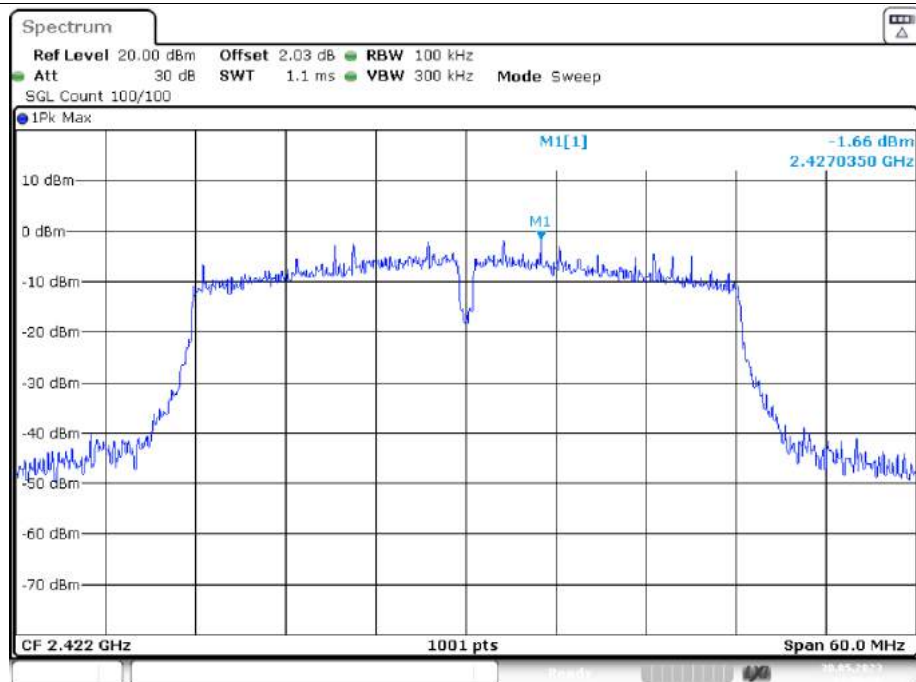






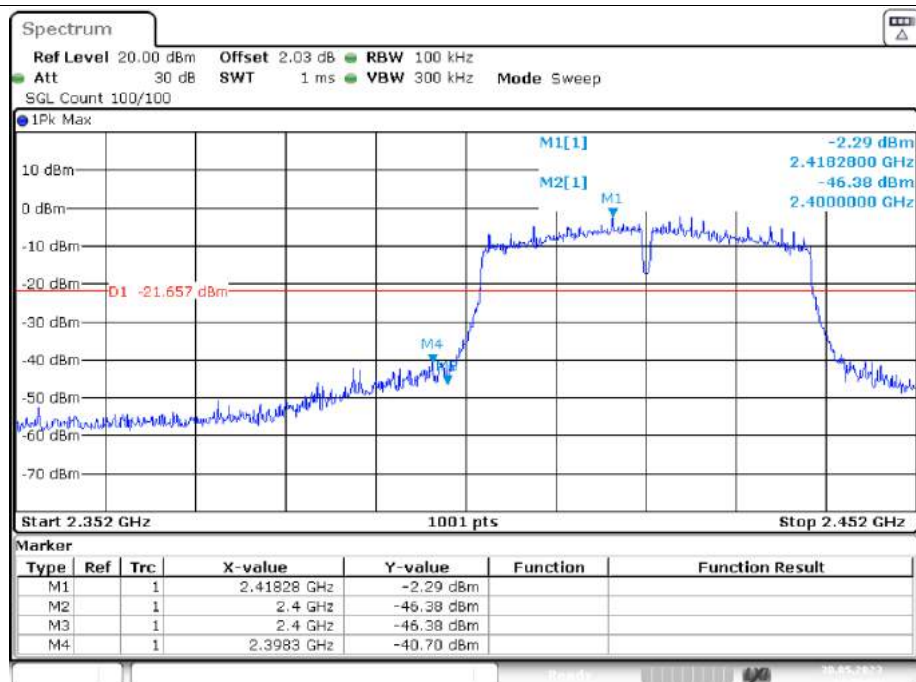


Band Edge NVNT n40 2422MHz Ant2 Ref



Date: 30.MAY.2023 14:28:59

Band Edge NVNT n40 2422MHz Ant2 Emission



Date: 30.MAY.2023 14:29:02

