

Appendix B

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant1	99.48	0	0.12
NVNT	b	2412	Ant2	99.5	0	0.12
NVNT	b	2437	Ant1	99.48	0	0.12
NVNT	b	2437	Ant2	99.5	0	0.12
NVNT	b	2462	Ant1	99.41	0	0.12
NVNT	b	2462	Ant2	99.57	0	0.12
NVNT	g	2412	Ant1	94.84	0.23	0.72
NVNT	g	2412	Ant2	94.33	0.25	0.72
NVNT	g	2437	Ant1	94.84	0.23	0.72
NVNT	g	2437	Ant2	96.68	0.15	0.72
NVNT	g	2462	Ant1	97.08	0.13	0.72
NVNT	g	2462	Ant2	97.08	0.13	0.72
NVNT	n20	2412	Ant1	93.57	0.29	0.76
NVNT	n20	2412	Ant2	95.75	0.19	0.76
NVNT	n20	2437	Ant1	96.47	0.16	0.76
NVNT	n20	2437	Ant2	96.32	0.16	0.76
NVNT	n20	2462	Ant1	96.32	0.16	0.76
NVNT	n20	2462	Ant2	96.89	0.14	0.76
NVNT	n40	2422	Ant1	93.91	0.27	1.54
NVNT	n40	2422	Ant2	99.07	0	1.56
NVNT	n40	2437	Ant1	94.2	0.26	1.54
NVNT	n40	2437	Ant2	93.91	0.27	1.54
NVNT	n40	2452	Ant1	99.35	0	1.62
NVNT	n40	2452	Ant2	92.86	0.32	1.54

Maximum Conducted Output Power

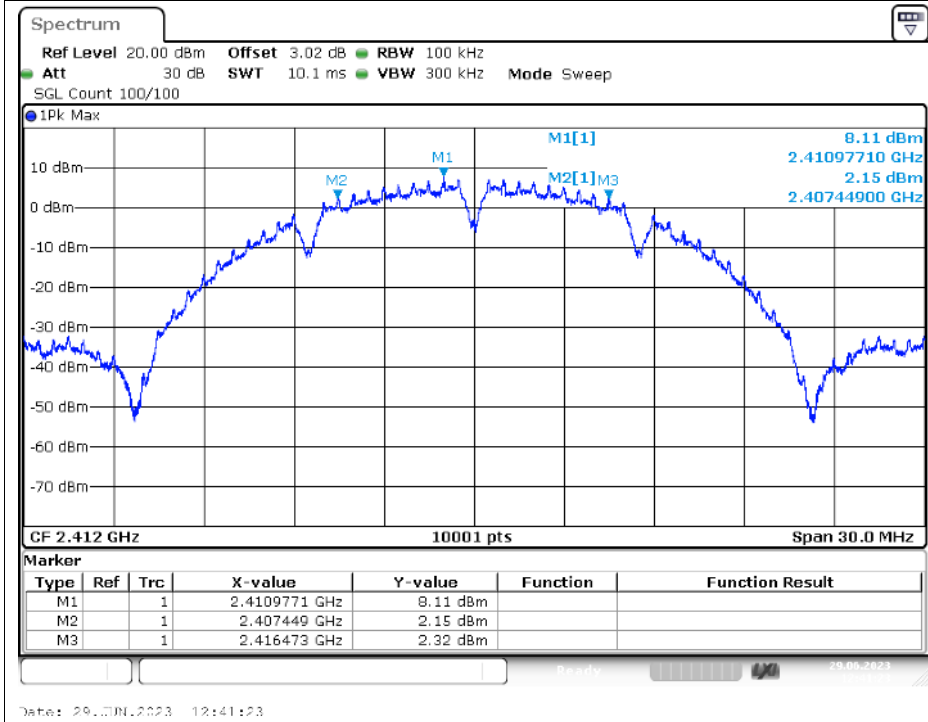
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant1	16.59	0	16.59	30	Pass
NVNT	b	2412	Ant2	15.18	0	15.18	30	Pass
NVNT	b	2437	Ant1	16.28	0	16.28	30	Pass
NVNT	b	2437	Ant2	15.26	0	15.26	30	Pass
NVNT	b	2462	Ant1	17.14	0	17.14	30	Pass
NVNT	b	2462	Ant2	16.24	0	16.24	30	Pass
NVNT	g	2412	Ant1	16.33	0.23	16.56	30	Pass
NVNT	g	2412	Ant2	15.05	0.25	15.3	30	Pass
NVNT	g	2437	Ant1	16.12	0.23	16.35	30	Pass
NVNT	g	2437	Ant2	15.06	0.15	15.21	30	Pass
NVNT	g	2462	Ant1	17.12	0.13	17.25	30	Pass
NVNT	g	2462	Ant2	15.98	0.13	16.11	30	Pass
NVNT	n20	2412	Ant1	16.13	0.29	16.42	30	Pass
NVNT	n20	2412	Ant2	14.83	0.19	15.02	30	Pass
NVNT	n20	2412	Sum	18.54	-	18.79	30	Pass
NVNT	n20	2437	Ant1	16.05	0.16	16.21	30	Pass
NVNT	n20	2437	Ant2	14.92	0.16	15.08	30	Pass
NVNT	n20	2437	Sum	18.53	-	18.69	30	Pass
NVNT	n20	2462	Ant1	16.83	0.16	16.99	30	Pass
NVNT	n20	2462	Ant2	15.91	0.14	16.05	30	Pass
NVNT	n20	2462	Sum	19.4	-	19.56	30	Pass
NVNT	n40	2422	Ant1	15.72	0.27	15.99	30	Pass
NVNT	n40	2422	Ant2	14.43	0	14.43	30	Pass
NVNT	n40	2422	Sum	18.13	-	18.29	30	Pass
NVNT	n40	2437	Ant1	15.18	0.26	15.44	30	Pass
NVNT	n40	2437	Ant2	14.29	0.27	14.56	30	Pass
NVNT	n40	2437	Sum	17.77	-	18.03	30	Pass
NVNT	n40	2452	Ant1	15.36	0	15.36	30	Pass
NVNT	n40	2452	Ant2	14.09	0.32	14.41	30	Pass
NVNT	n40	2452	Sum	17.78	-	17.92	30	Pass

-6dB Bandwidth

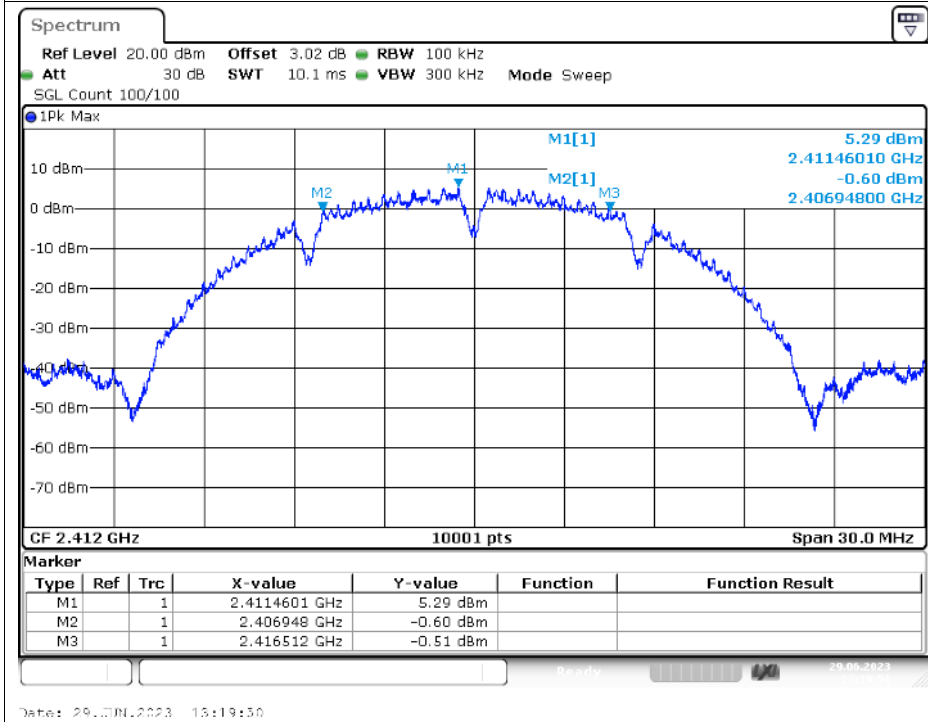
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant1	9.024	0.5	Pass
NVNT	b	2412	Ant2	9.564	0.5	Pass
NVNT	b	2437	Ant1	10.029	0.5	Pass
NVNT	b	2437	Ant2	9.531	0.5	Pass
NVNT	b	2462	Ant1	10.035	0.5	Pass
NVNT	b	2462	Ant2	10.002	0.5	Pass
NVNT	g	2412	Ant1	15.051	0.5	Pass
NVNT	g	2412	Ant2	13.815	0.5	Pass
NVNT	g	2437	Ant1	15.093	0.5	Pass
NVNT	g	2437	Ant2	15.054	0.5	Pass
NVNT	g	2462	Ant1	15.084	0.5	Pass
NVNT	g	2462	Ant2	15.051	0.5	Pass
NVNT	n20	2412	Ant1	15.027	0.5	Pass
NVNT	n20	2412	Ant2	15.051	0.5	Pass
NVNT	n20	2437	Ant1	15.06	0.5	Pass
NVNT	n20	2437	Ant2	15.069	0.5	Pass
NVNT	n20	2462	Ant1	15.048	0.5	Pass
NVNT	n20	2462	Ant2	15.021	0.5	Pass
NVNT	n40	2422	Ant1	35.016	0.5	Pass
NVNT	n40	2422	Ant2	35.07	0.5	Pass
NVNT	n40	2437	Ant1	35.01	0.5	Pass
NVNT	n40	2437	Ant2	35.04	0.5	Pass
NVNT	n40	2452	Ant1	35.04	0.5	Pass
NVNT	n40	2452	Ant2	34.998	0.5	Pass

Test Graphs

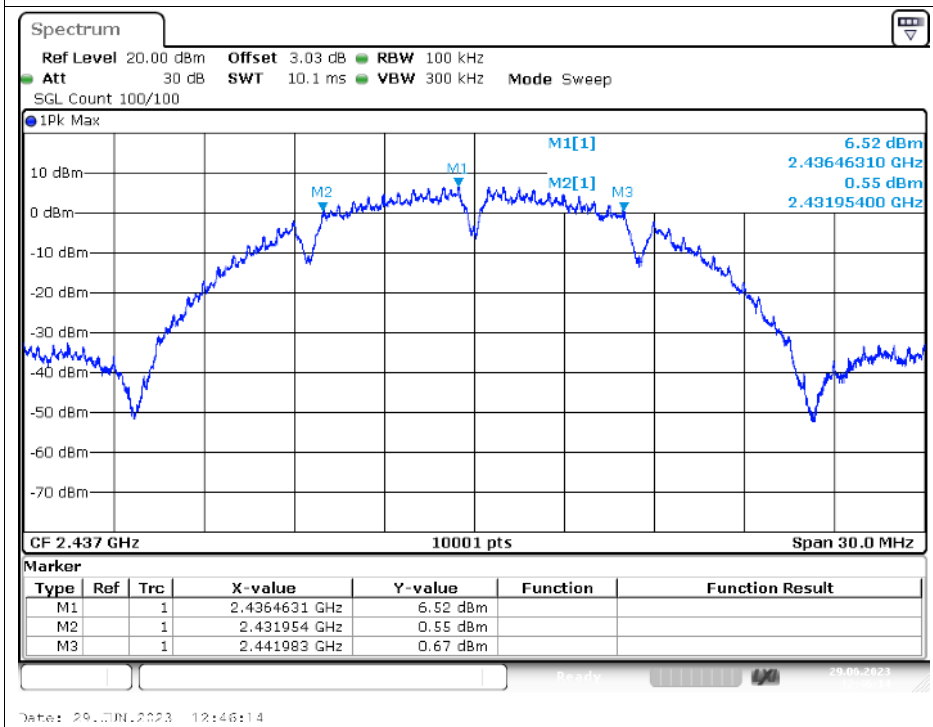
-6dB Bandwidth NVNT b 2412MHz Ant1



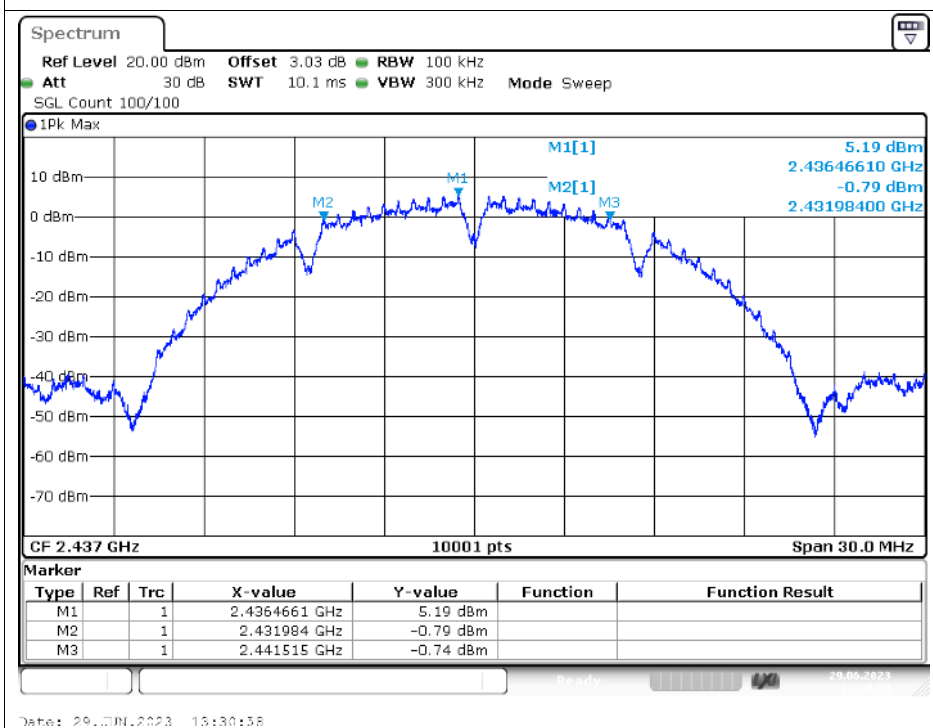
-6dB Bandwidth NVNT b 2412MHz Ant2



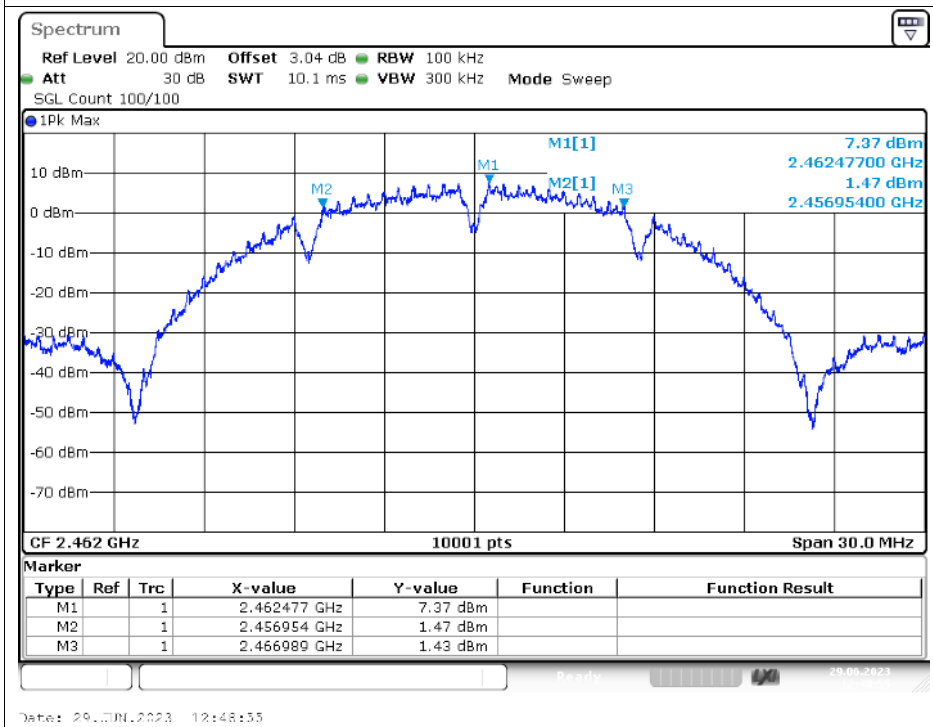
-6dB Bandwidth NVNT b 2437MHz Ant1



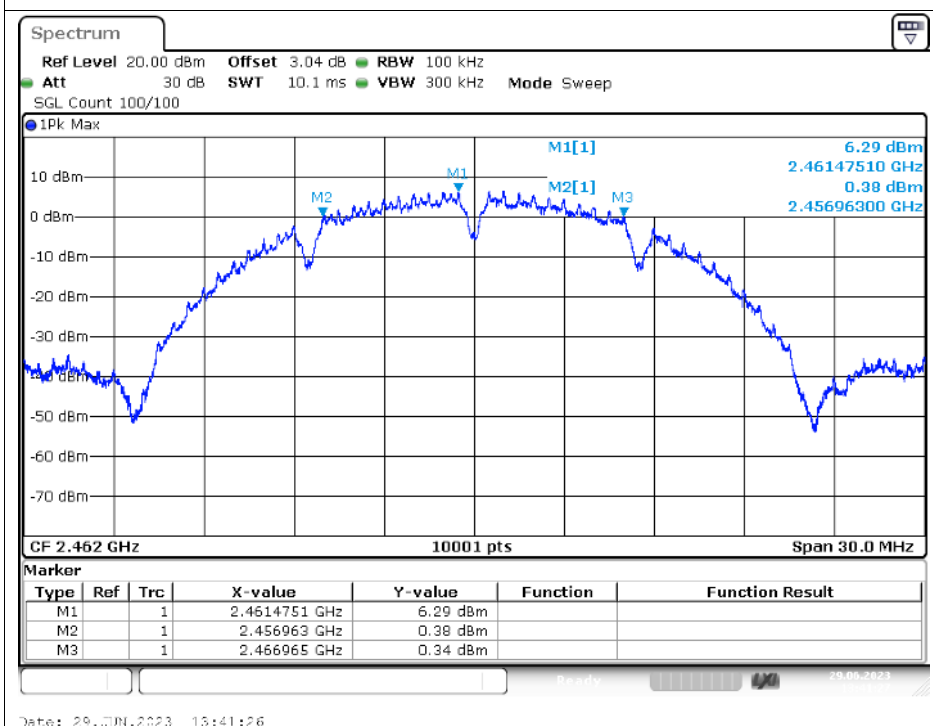
-6dB Bandwidth NVNT b 2437MHz Ant2



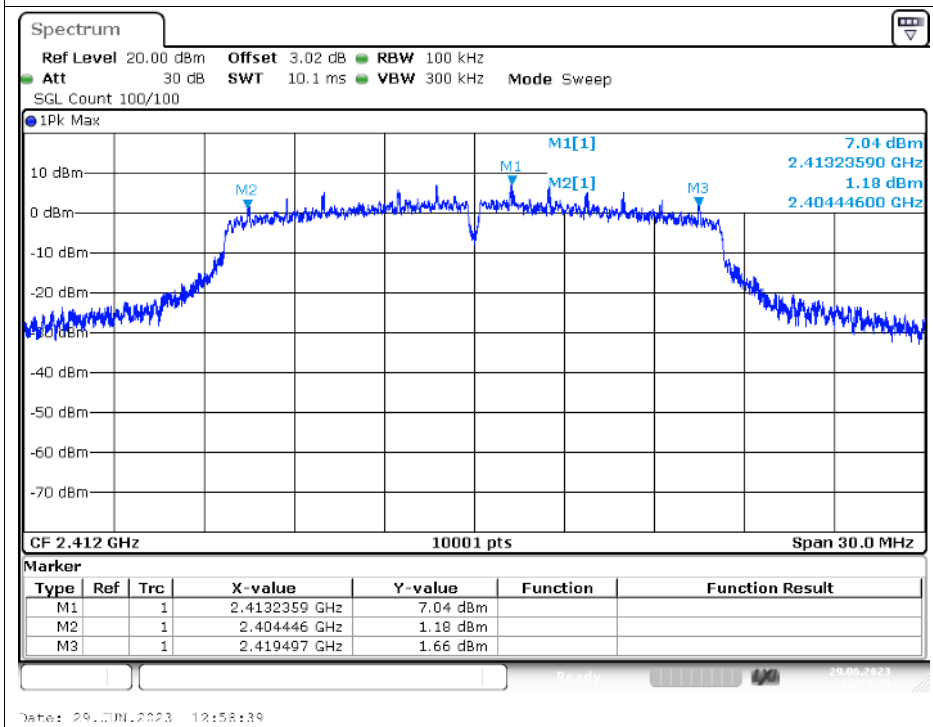
-6dB Bandwidth NVNT b 2462MHz Ant1



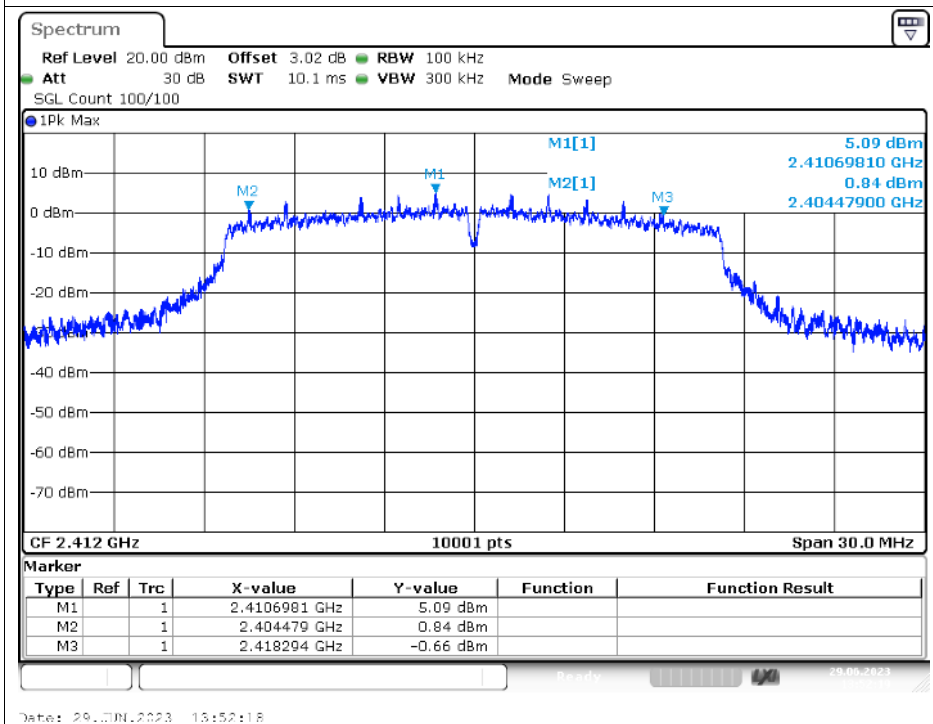
-6dB Bandwidth NVNT b 2462MHz Ant2



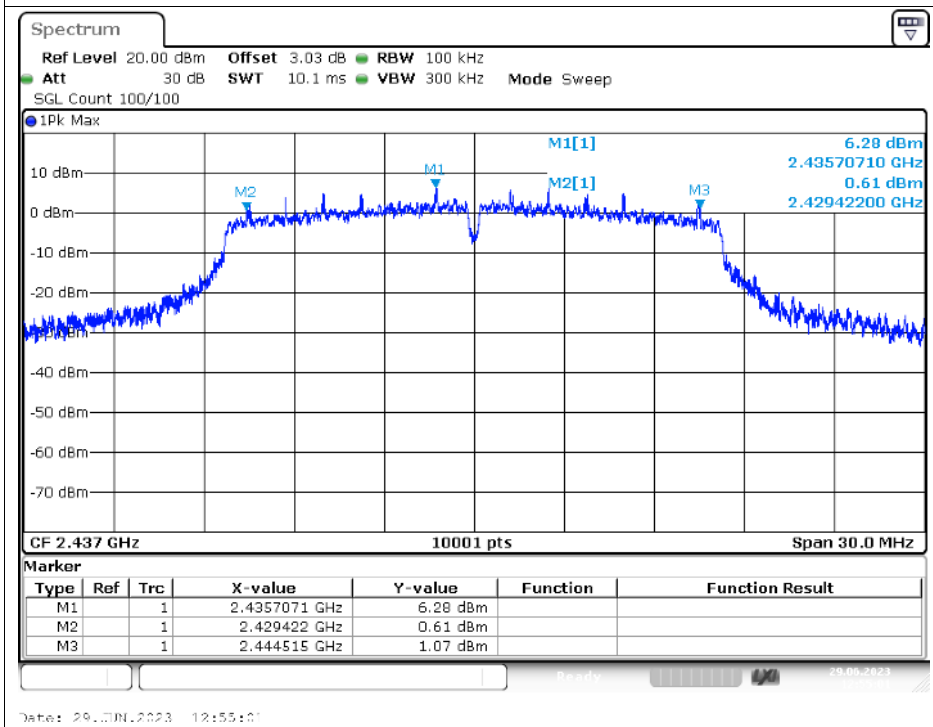
-6dB Bandwidth NVNT g 2412MHz Ant1



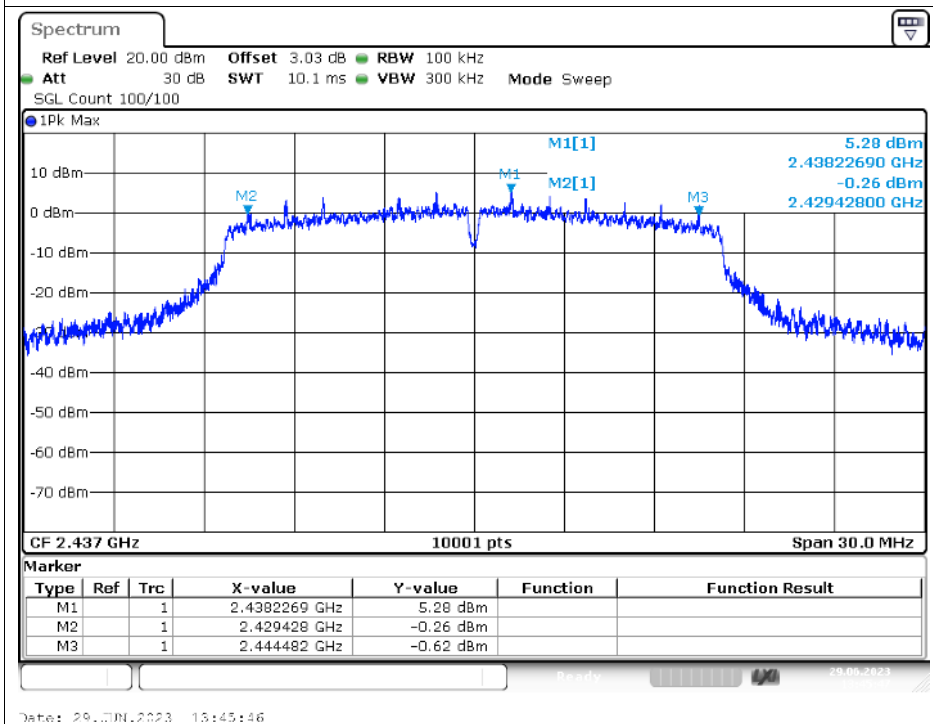
-6dB Bandwidth NVNT g 2412MHz Ant2



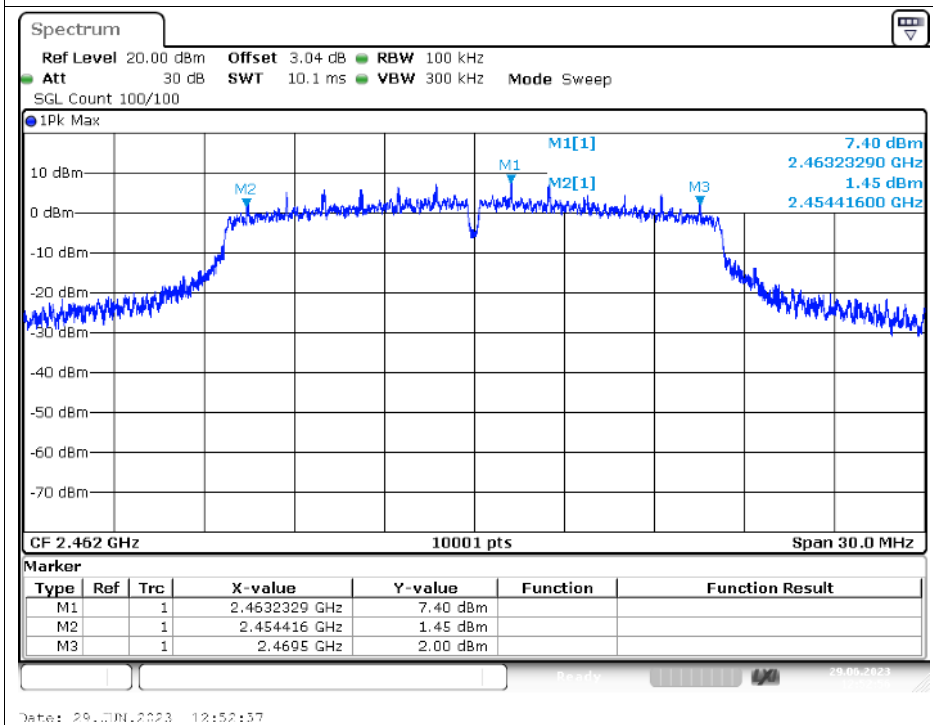
-6dB Bandwidth NVNT g 2437MHz Ant1



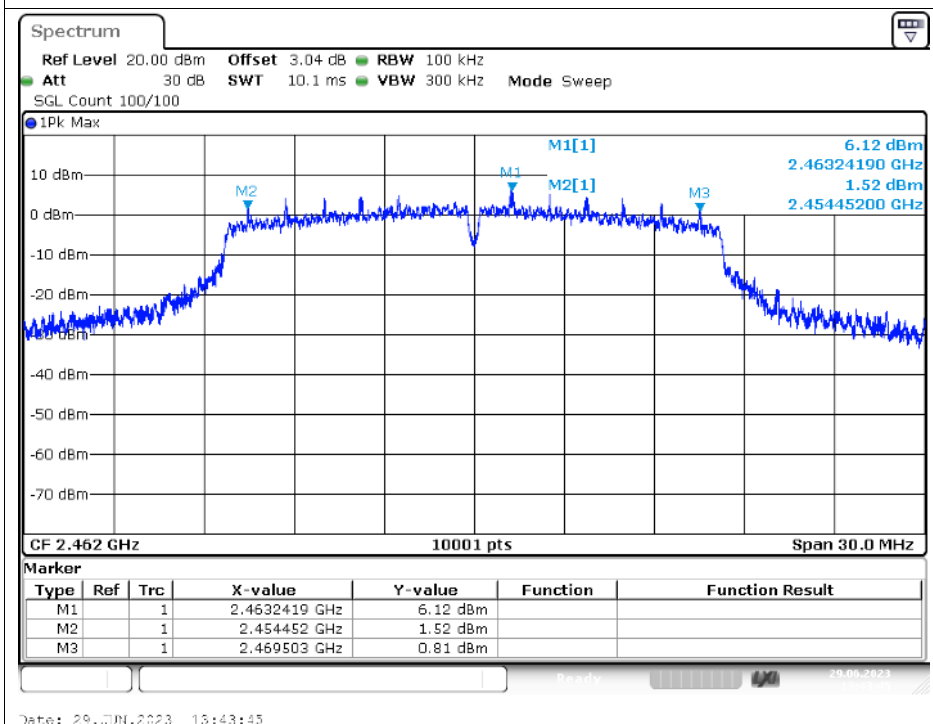
-6dB Bandwidth NVNT g 2437MHz Ant2



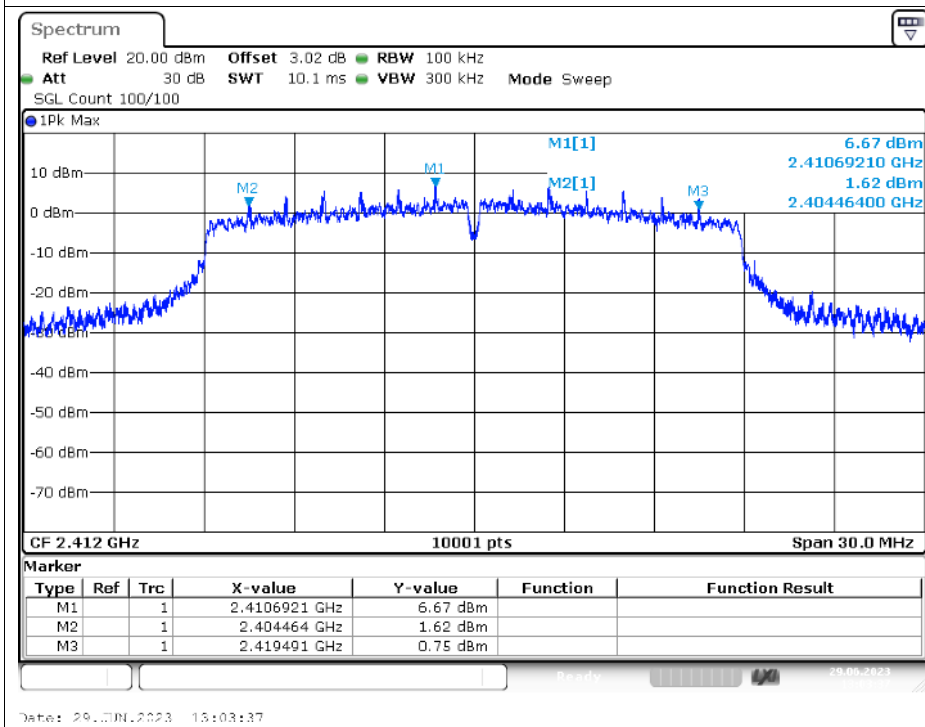
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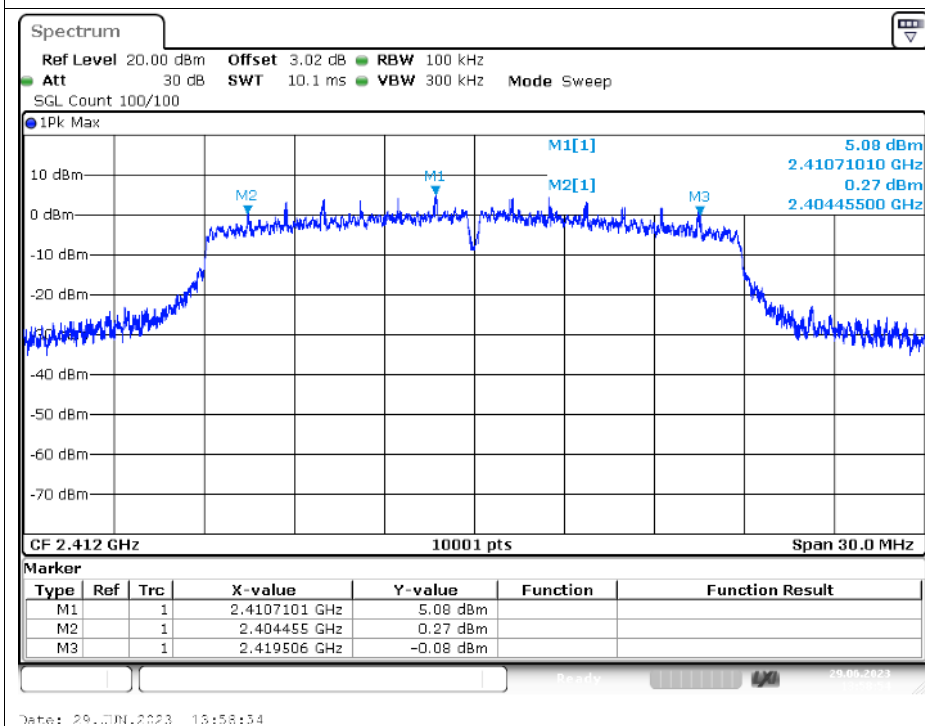
-6dB Bandwidth NVNT g 2462MHz Ant2



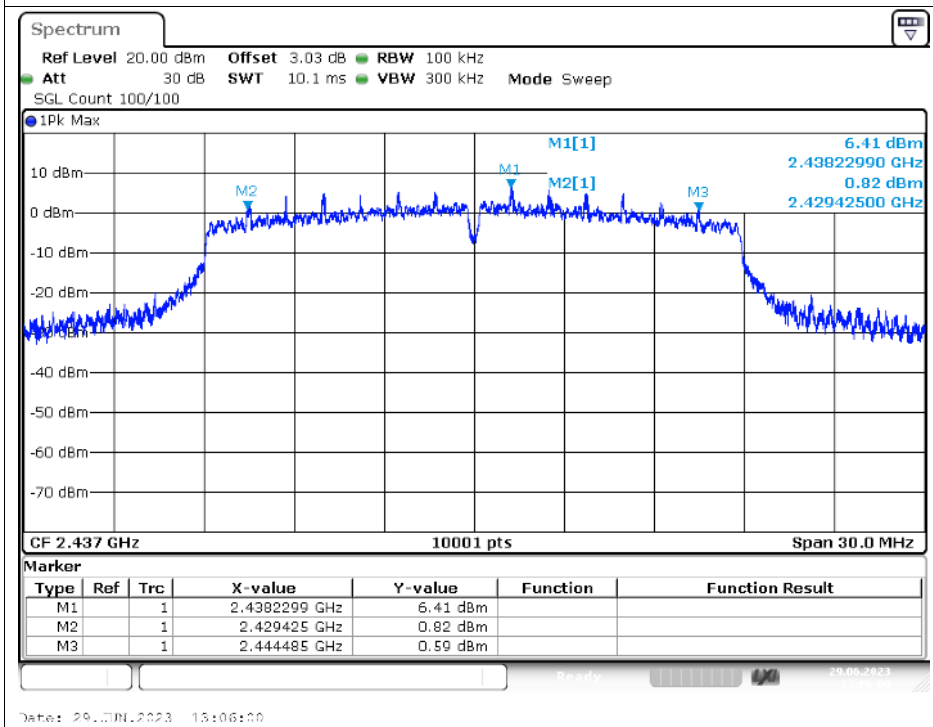
-6dB Bandwidth NVNT n20 2412MHz Ant1



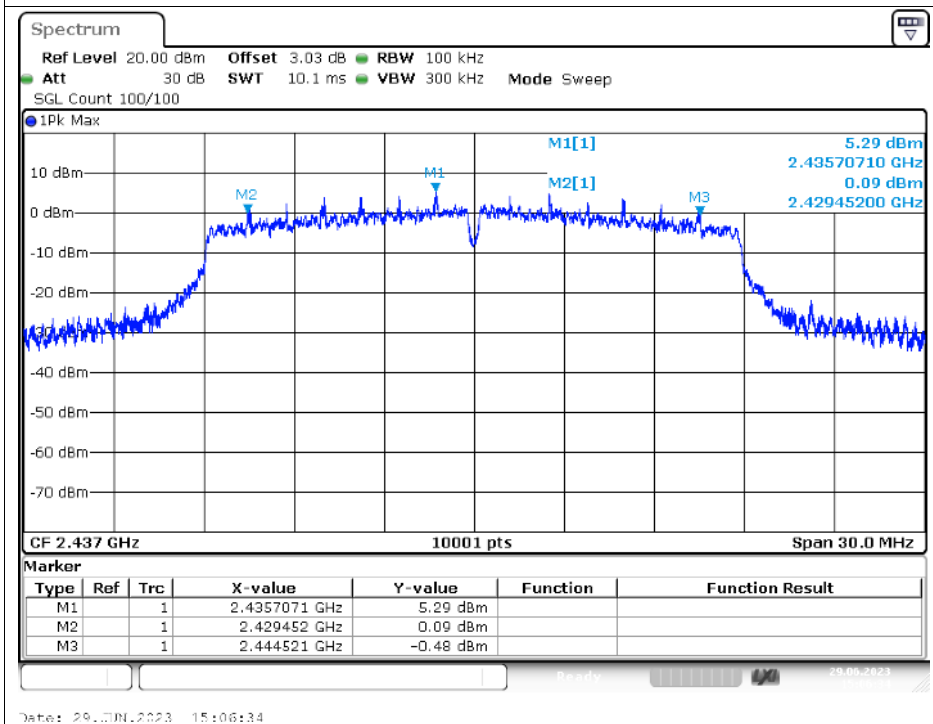
-6dB Bandwidth NVNT n20 2412MHz Ant2



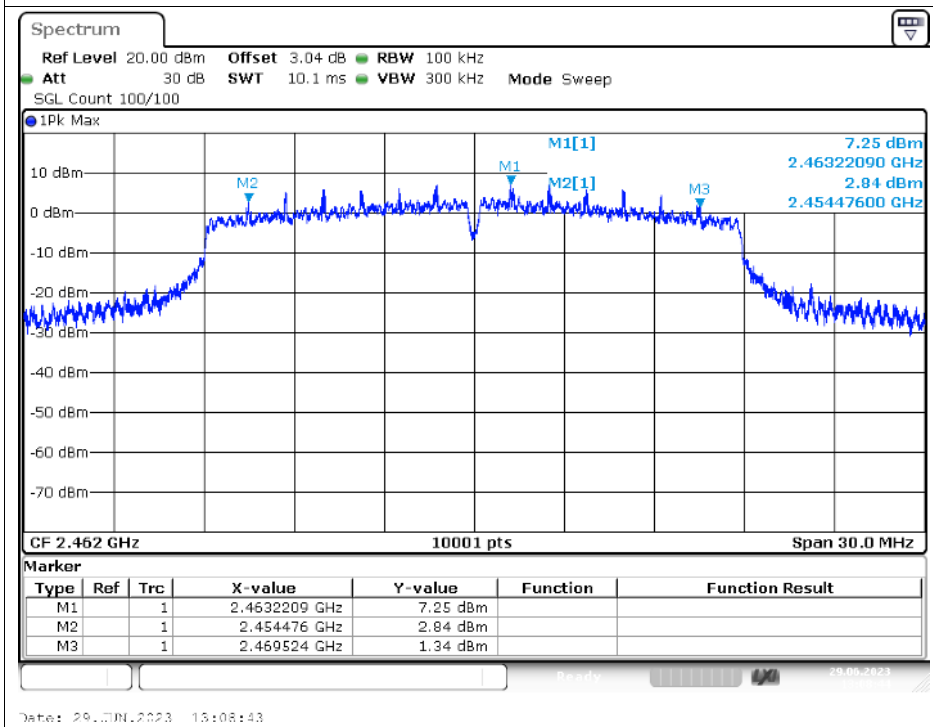
-6dB Bandwidth NVNT n20 2437MHz Ant1



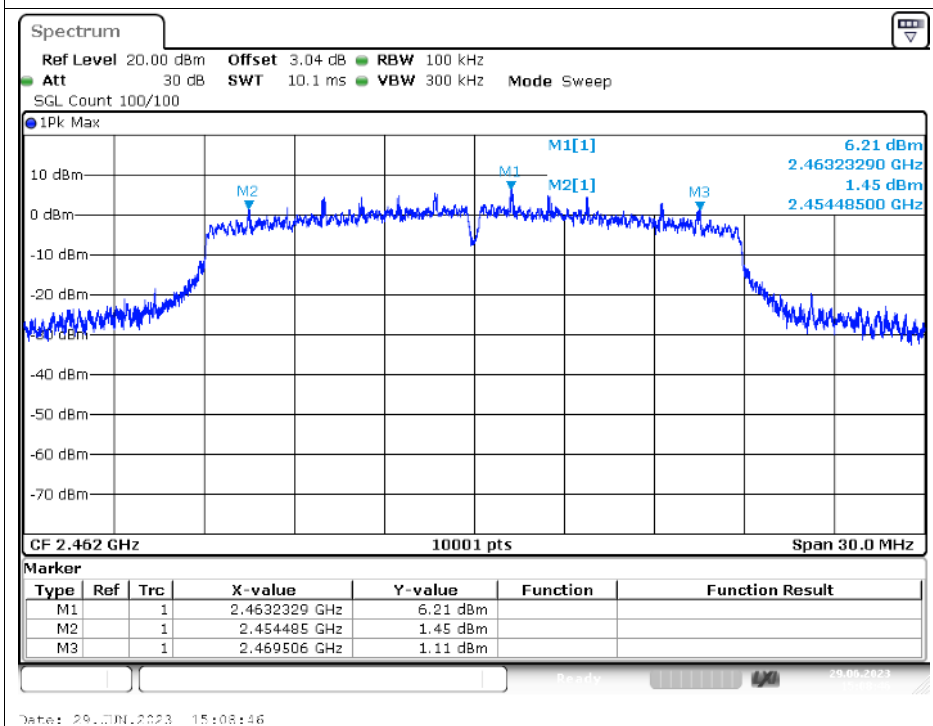
-6dB Bandwidth NVNT n20 2437MHz Ant2



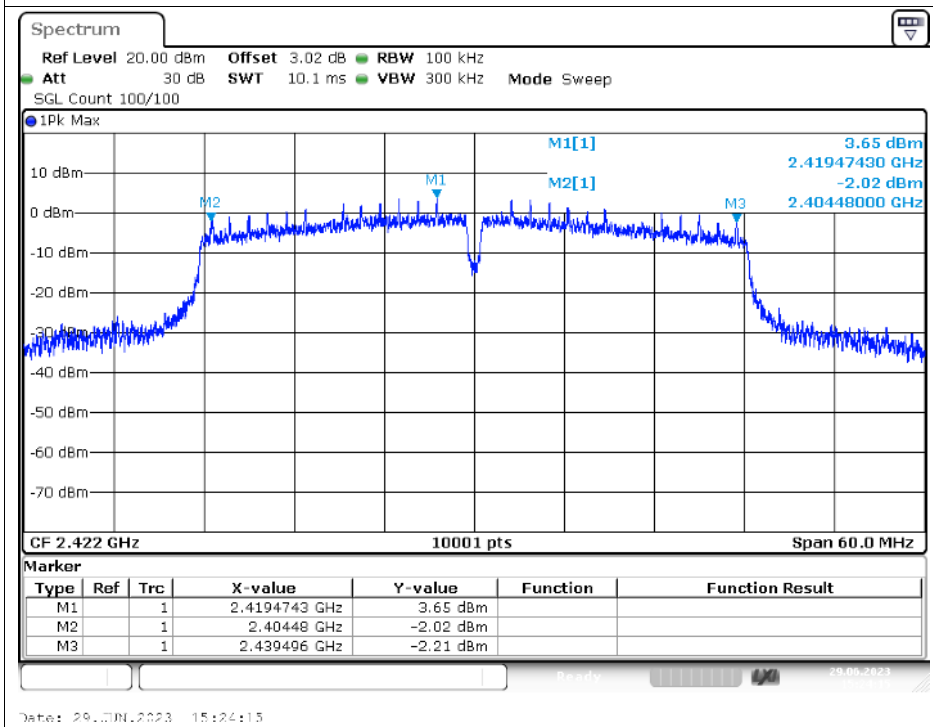
-6dB Bandwidth NVNT n20 2462MHz Ant1



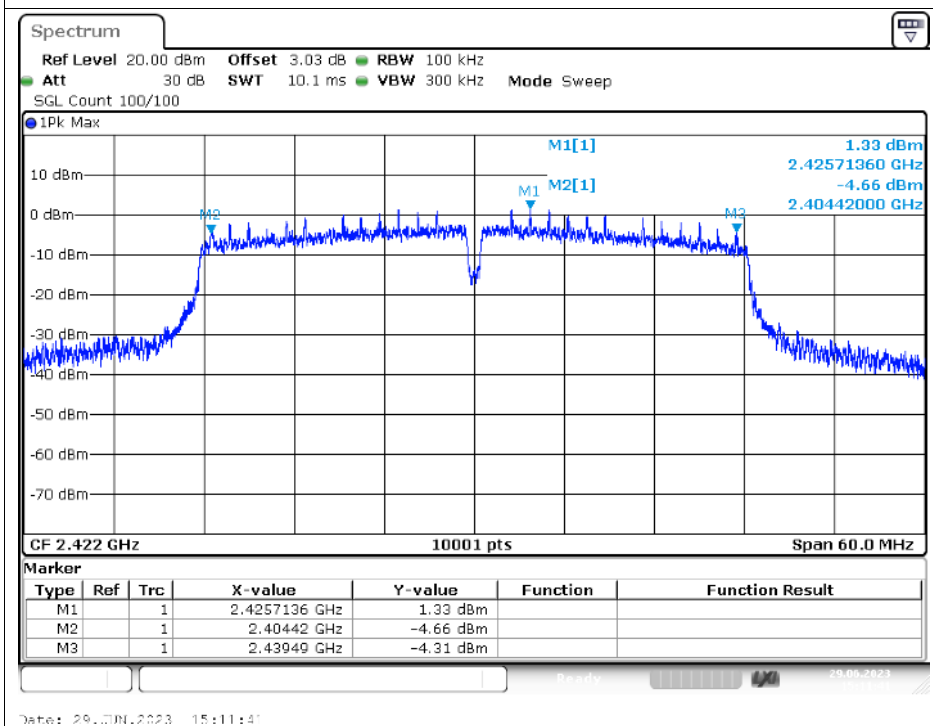
-6dB Bandwidth NVNT n20 2462MHz Ant2



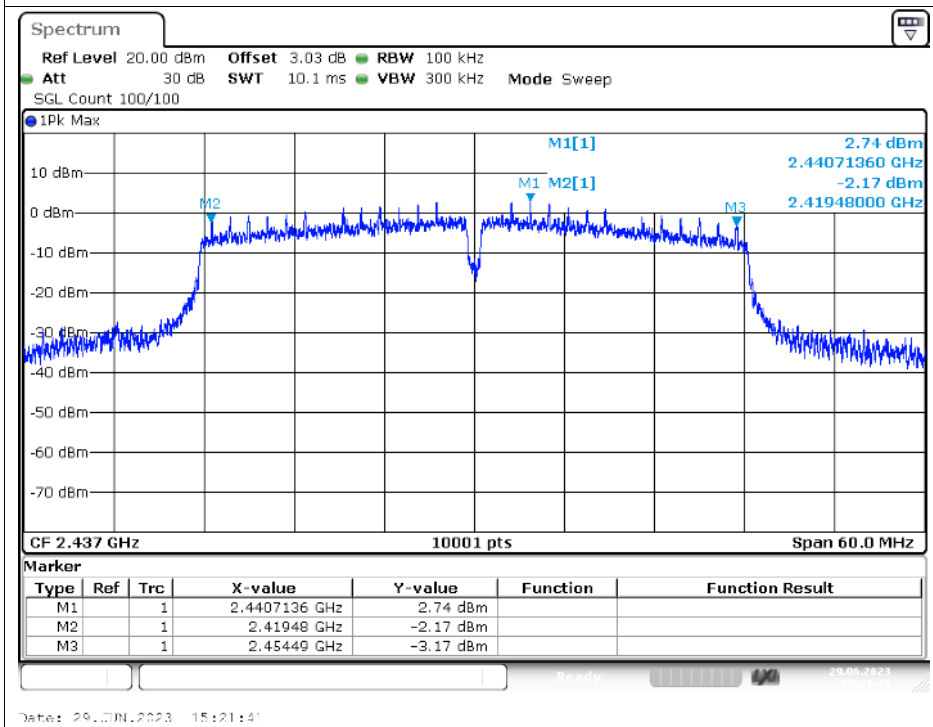
-6dB Bandwidth NVNT n40 2422MHz Ant1



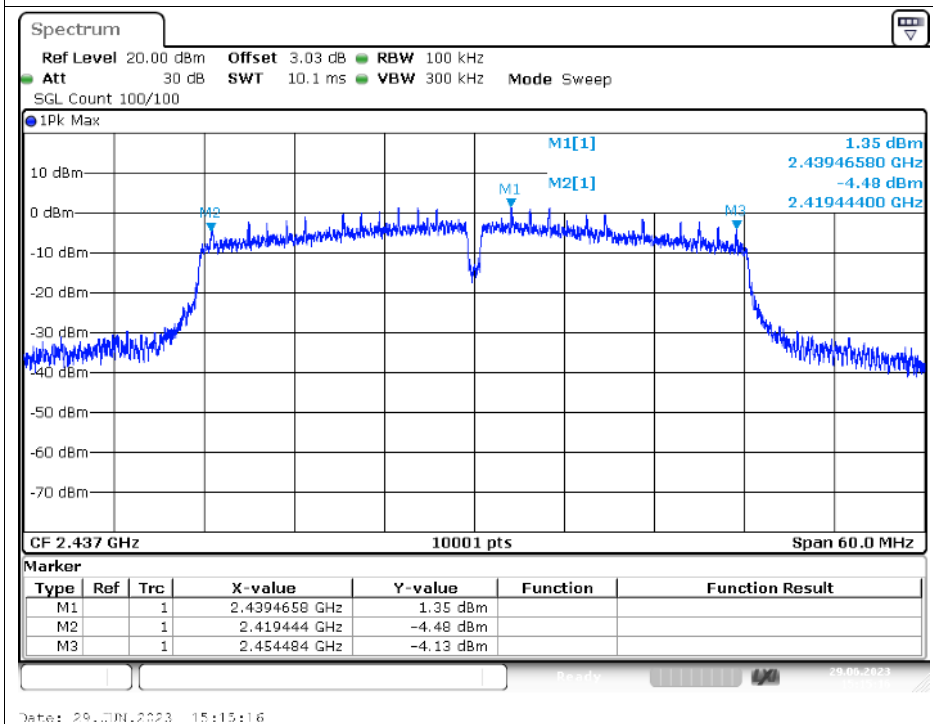
-6dB Bandwidth NVNT n40 2422MHz Ant2



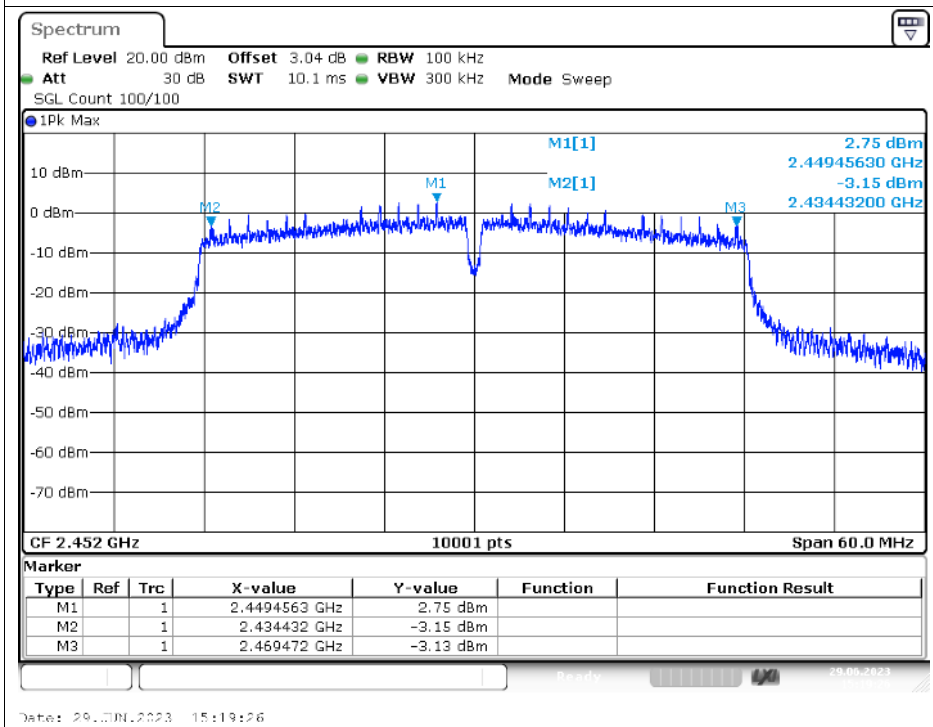
-6dB Bandwidth NVNT n40 2437MHz Ant1



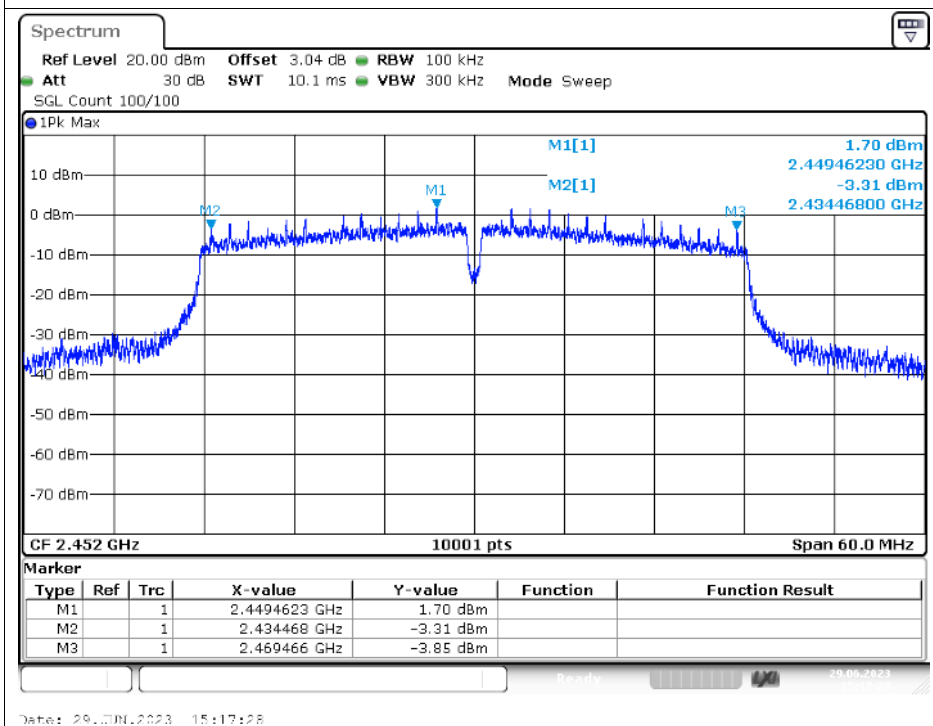
-6dB Bandwidth NVNT n40 2437MHz Ant2



-6dB Bandwidth NVNT n40 2452MHz Ant1



-6dB Bandwidth NVNT n40 2452MHz Ant2

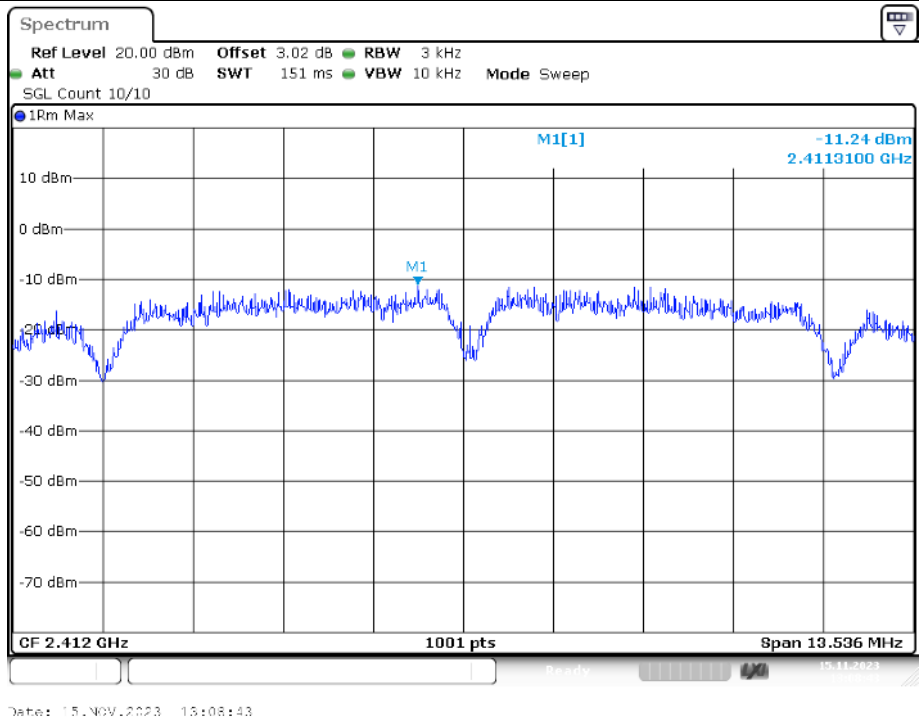


Maximum Power Spectral Density Level

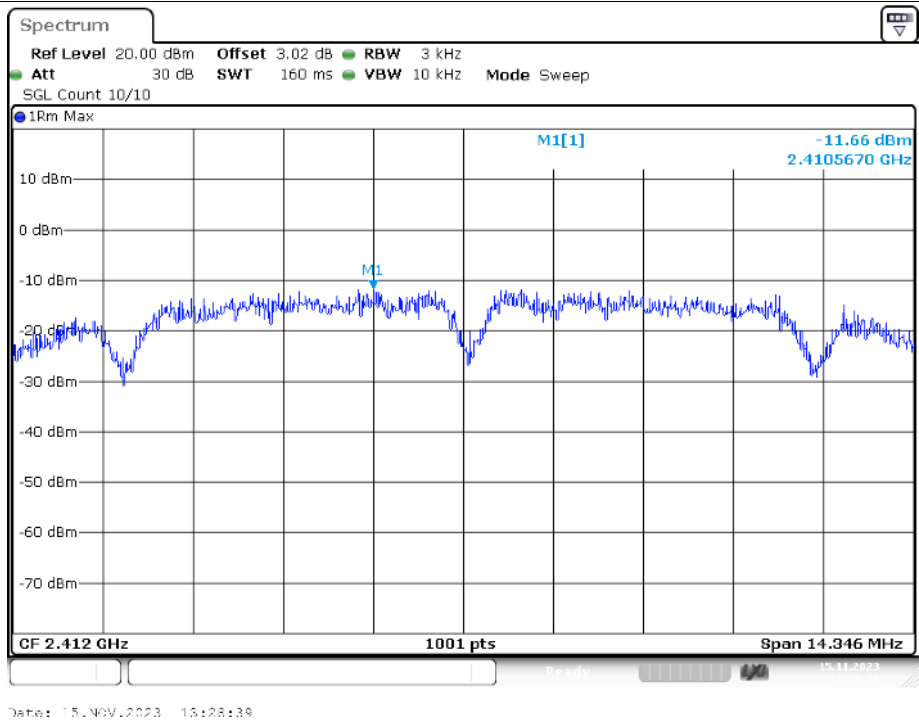
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Duty Factor (dB)	Total PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant1	-11.24	0	-11.24	8	Pass
NVNT	b	2412	Ant2	-11.66	0	-11.66	8	Pass
NVNT	b	2437	Ant1	-11.63	0	-11.63	8	Pass
NVNT	b	2437	Ant2	-10.71	0	-10.71	8	Pass
NVNT	b	2462	Ant1	-11.53	0	-11.53	8	Pass
NVNT	b	2462	Ant2	-11.86	0	-11.86	8	Pass
NVNT	g	2412	Ant1	-16.75	0	-16.75	8	Pass
NVNT	g	2412	Ant2	-16.06	0	-16.06	8	Pass
NVNT	g	2437	Ant1	-16.94	0	-16.94	8	Pass
NVNT	g	2437	Ant2	-16.52	0	-16.52	8	Pass
NVNT	g	2462	Ant1	-16.93	0	-16.93	8	Pass
NVNT	g	2462	Ant2	-16.99	0	-16.99	8	Pass
NVNT	n20	2412	Ant1	-16.62	0	-16.62	8	Pass
NVNT	n20	2412	Ant2	-15.78	0	-15.78	8	Pass
NVNT	n20	2412	Sum	-13.17	-	-13.17	8	Pass
NVNT	n20	2437	Ant1	-16.76	0	-16.76	8	Pass
NVNT	n20	2437	Ant2	-17.12	0	-17.12	8	Pass
NVNT	n20	2437	Sum	-13.93	-	-13.93	8	Pass
NVNT	n20	2462	Ant1	-16.5	0	-16.5	8	Pass
NVNT	n20	2462	Ant2	-17.19	0	-17.19	8	Pass
NVNT	n20	2462	Sum	-13.82	-	-13.82	8	Pass
NVNT	n40	2422	Ant1	-18.74	0	-18.74	8	Pass
NVNT	n40	2422	Ant2	-19.06	0	-19.06	8	Pass
NVNT	n40	2422	Sum	-15.89	-	-15.89	8	Pass
NVNT	n40	2437	Ant1	-19.4	0	-19.4	8	Pass
NVNT	n40	2437	Ant2	-19.41	0	-19.41	8	Pass
NVNT	n40	2437	Sum	-16.39	-	-16.39	8	Pass
NVNT	n40	2452	Ant1	-20.16	0	-20.16	8	Pass
NVNT	n40	2452	Ant2	-20.28	0	-20.28	8	Pass
NVNT	n40	2452	Sum	-17.21	-	-17.21	8	Pass

Test Graphs

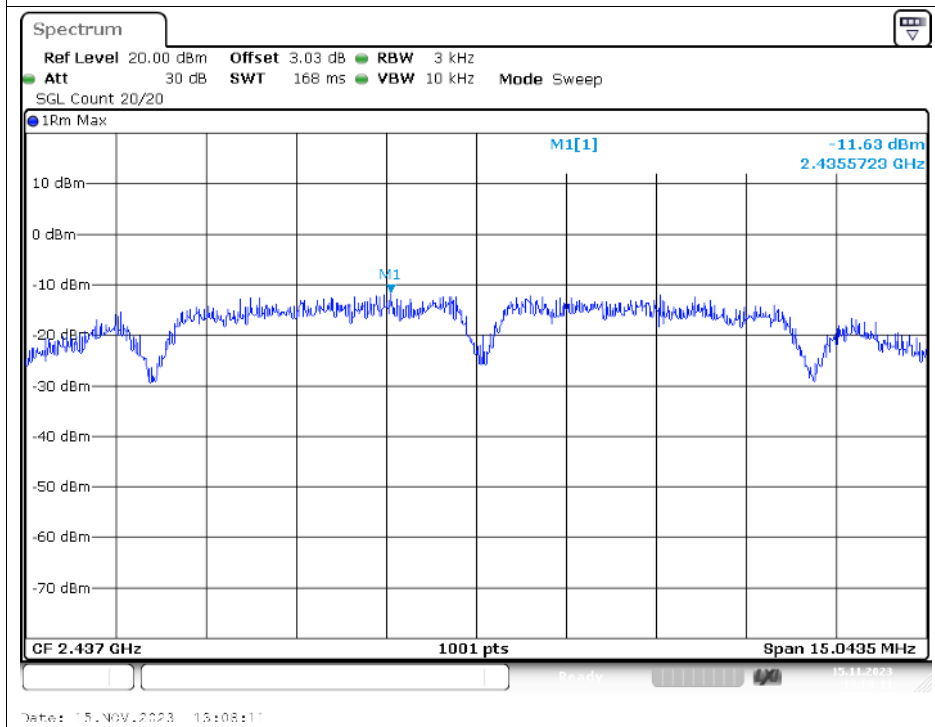
PSD NVNT b 2412MHz Ant1



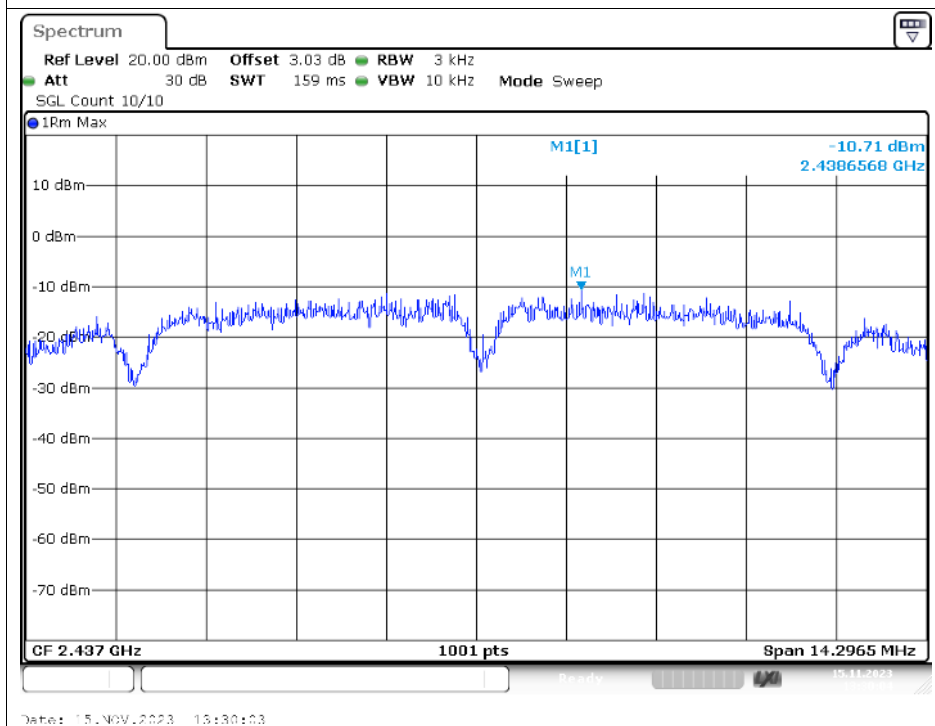
PSD NVNT b 2412MHz Ant2



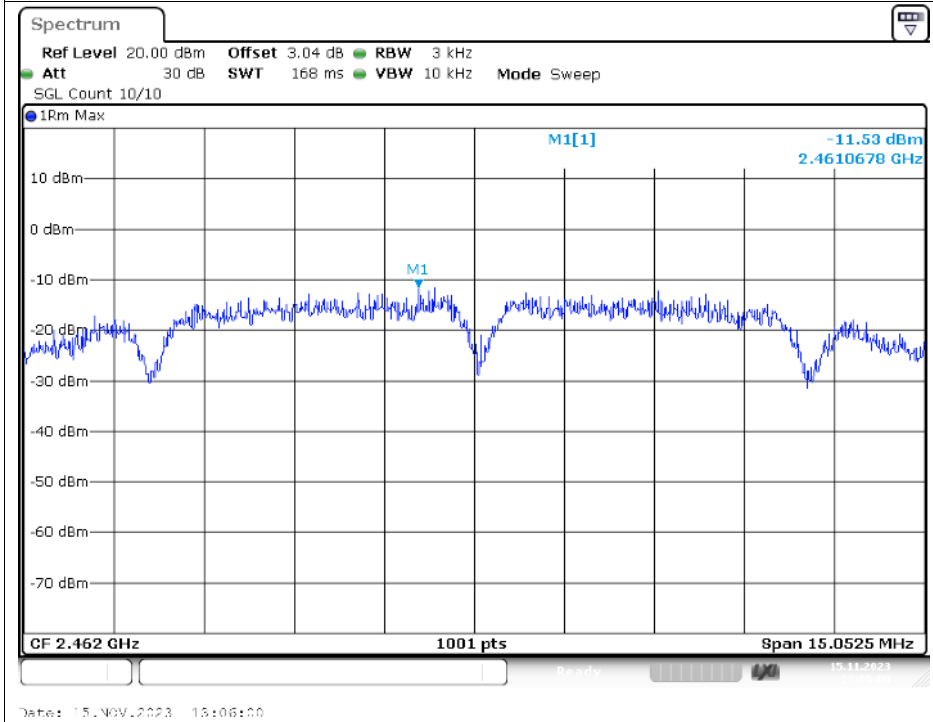
PSD NVNT b 2437MHz Ant1



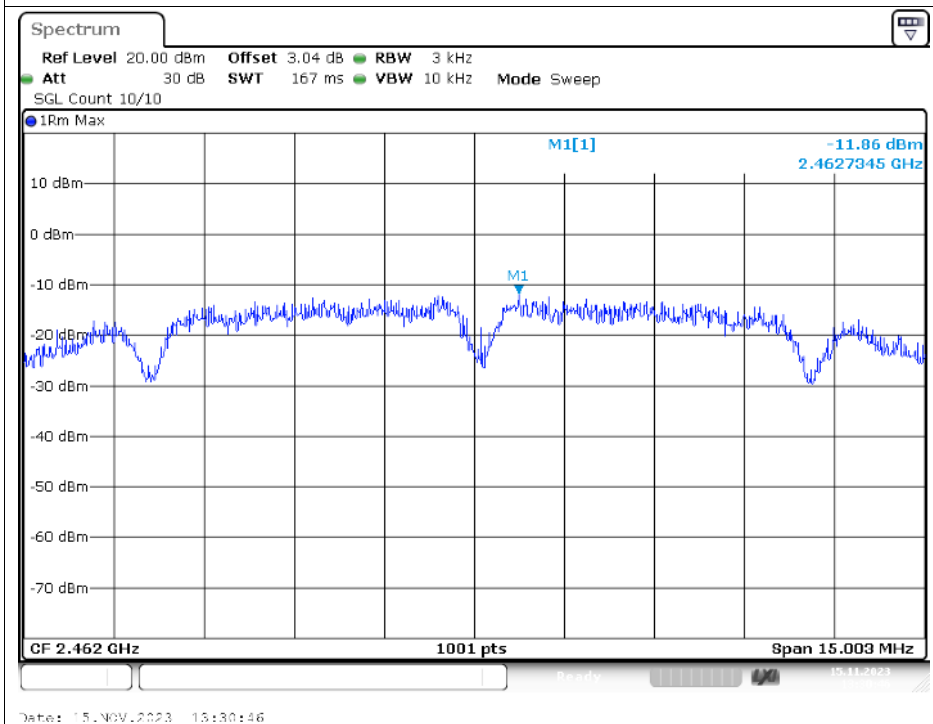
PSD NVNT b 2437MHz Ant2



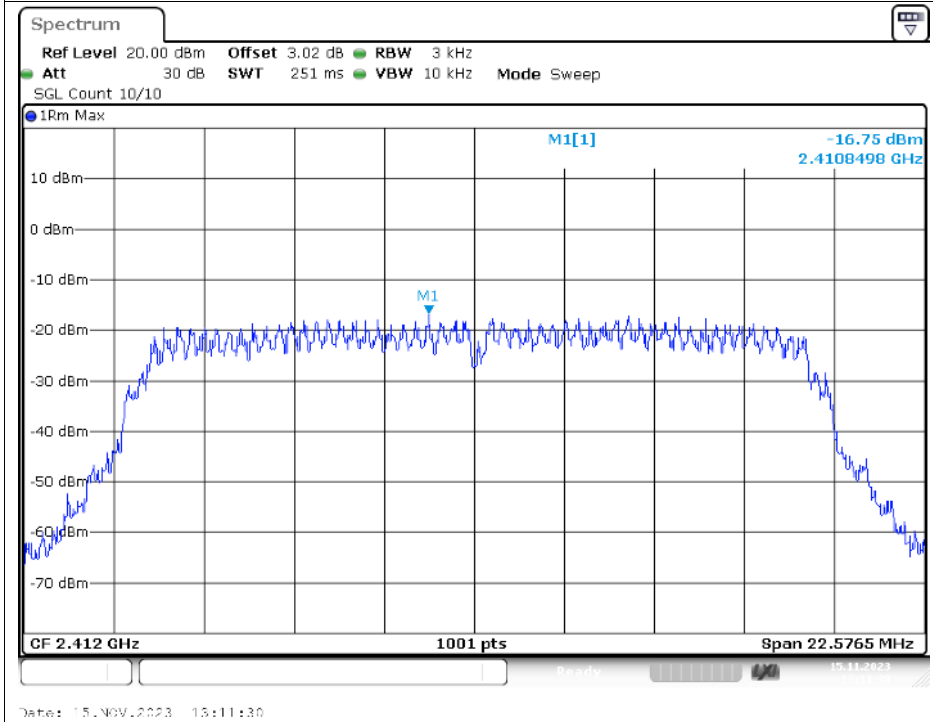
PSD NVNT b 2462MHz Ant1



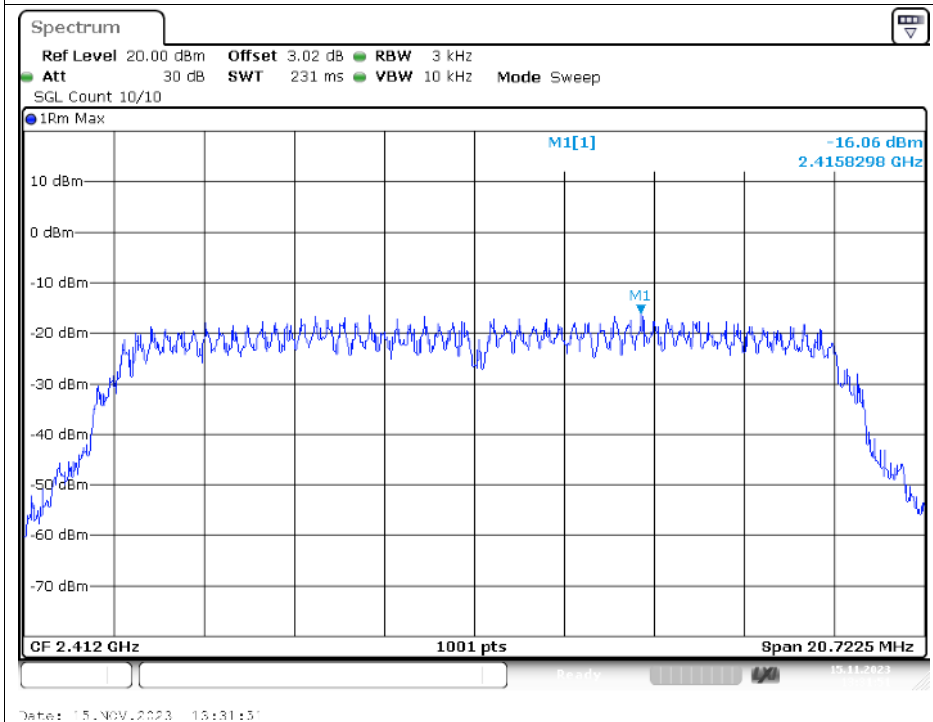
PSD NVNT b 2462MHz Ant2



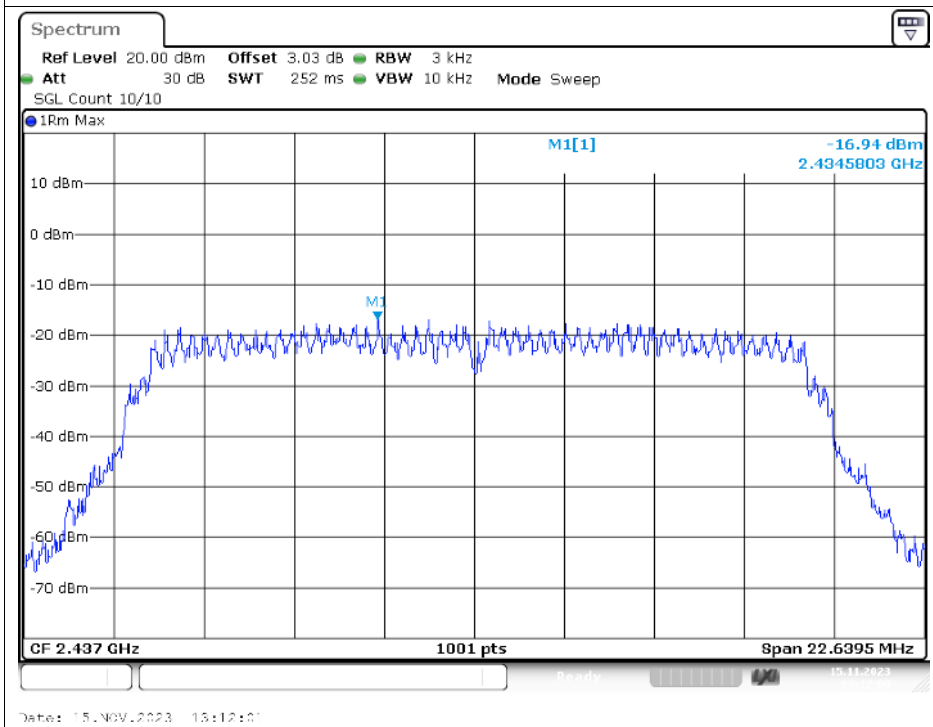
PSD NVNT g 2412MHz Ant1



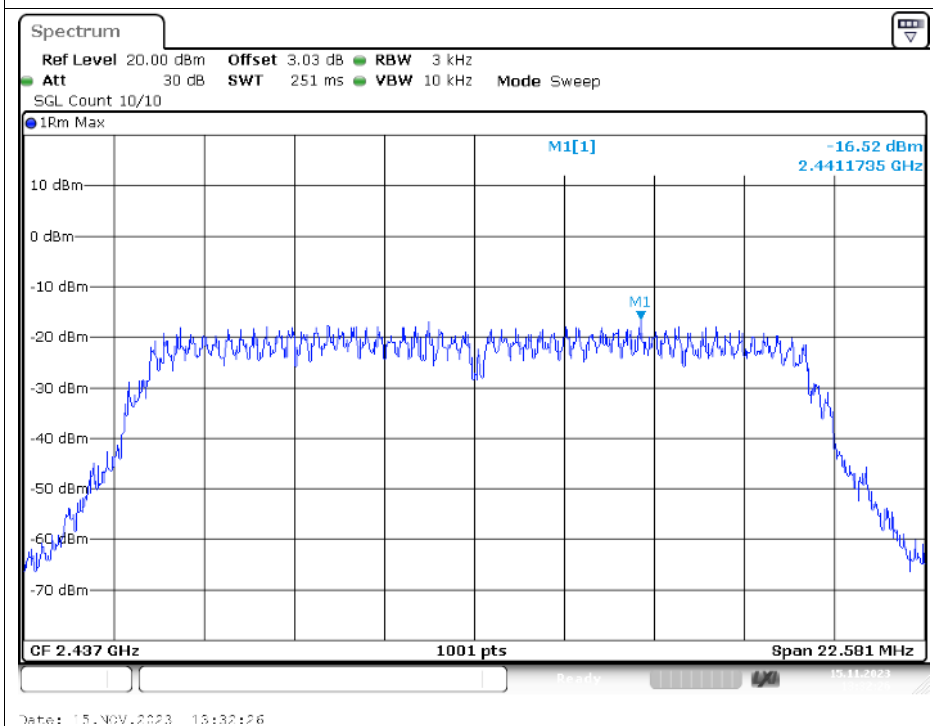
PSD NVNT g 2412MHz Ant2



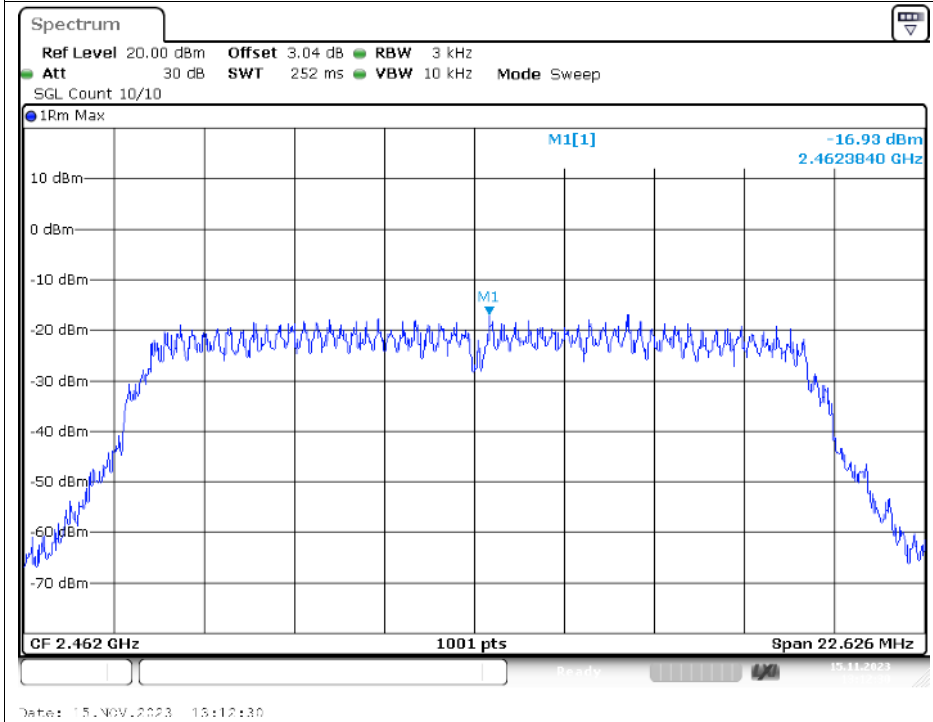
PSD NVNT g 2437MHz Ant1



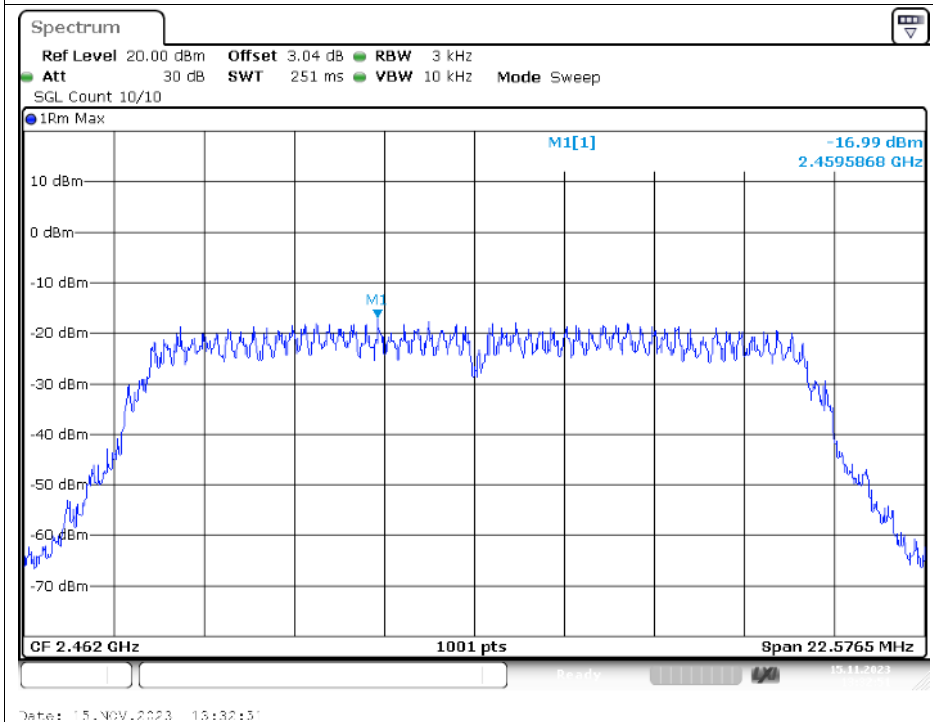
PSD NVNT g 2437MHz Ant2

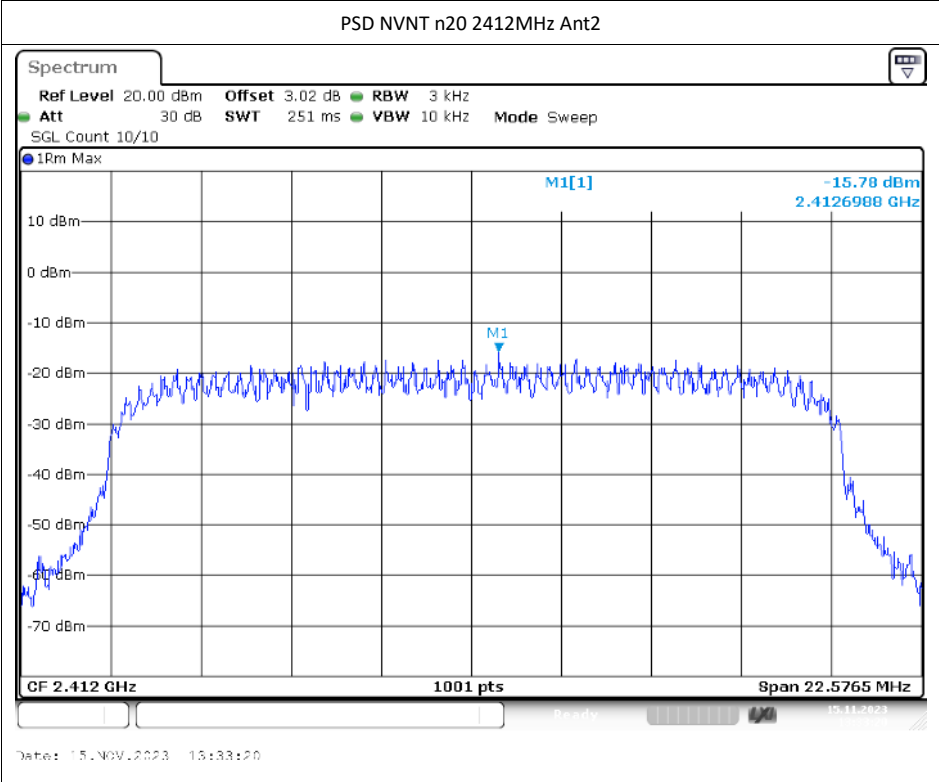
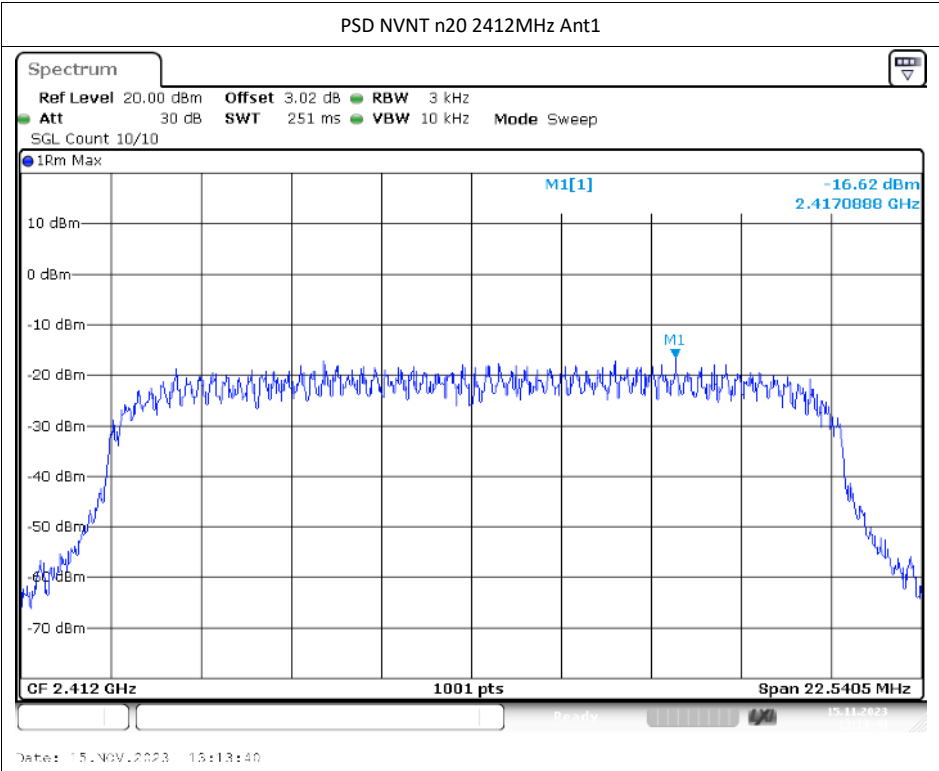


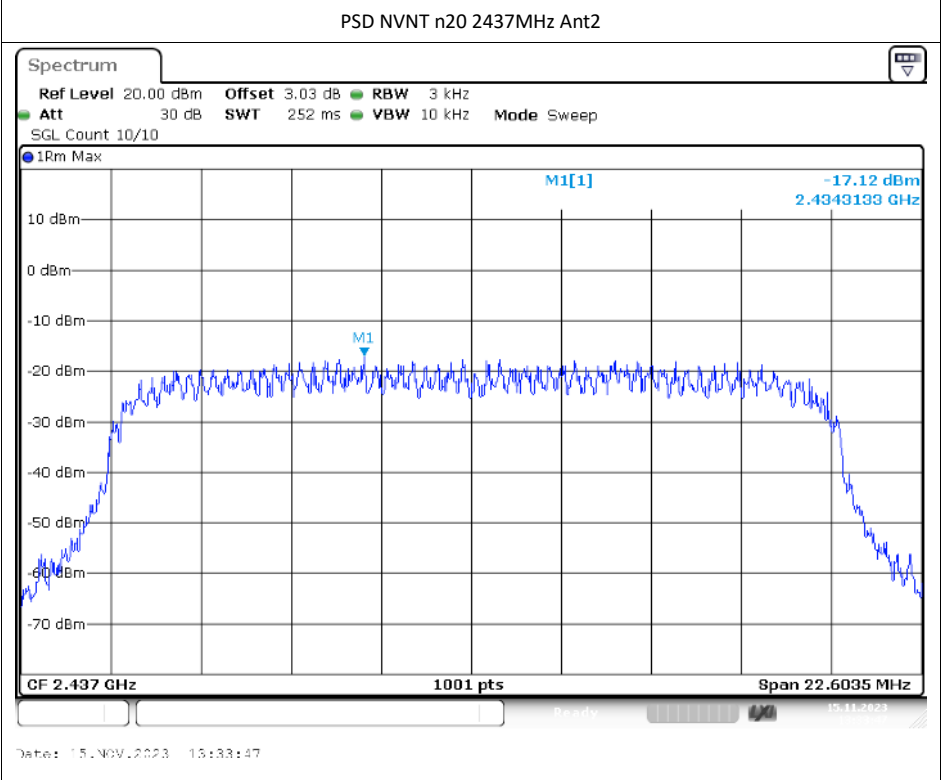
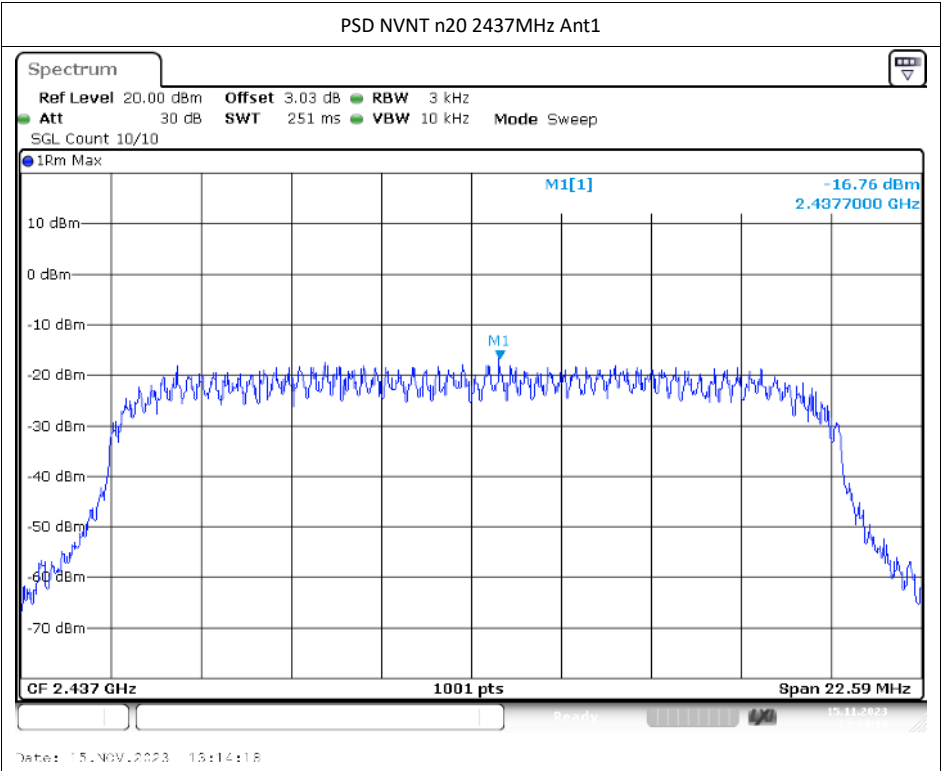
PSD NVNT g 2462MHz Ant1

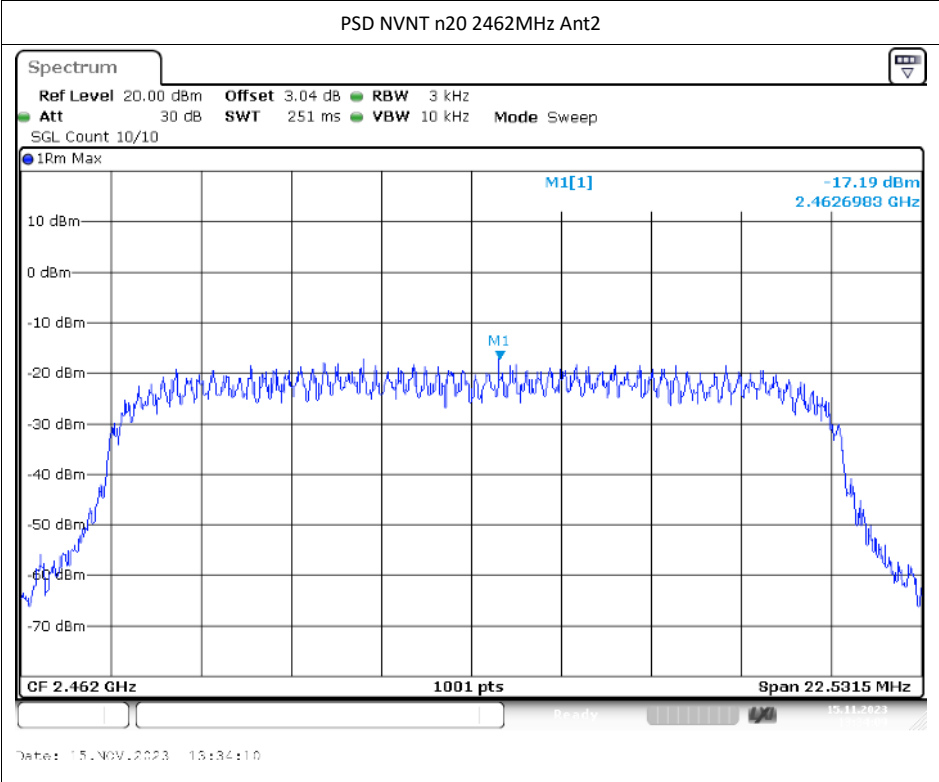
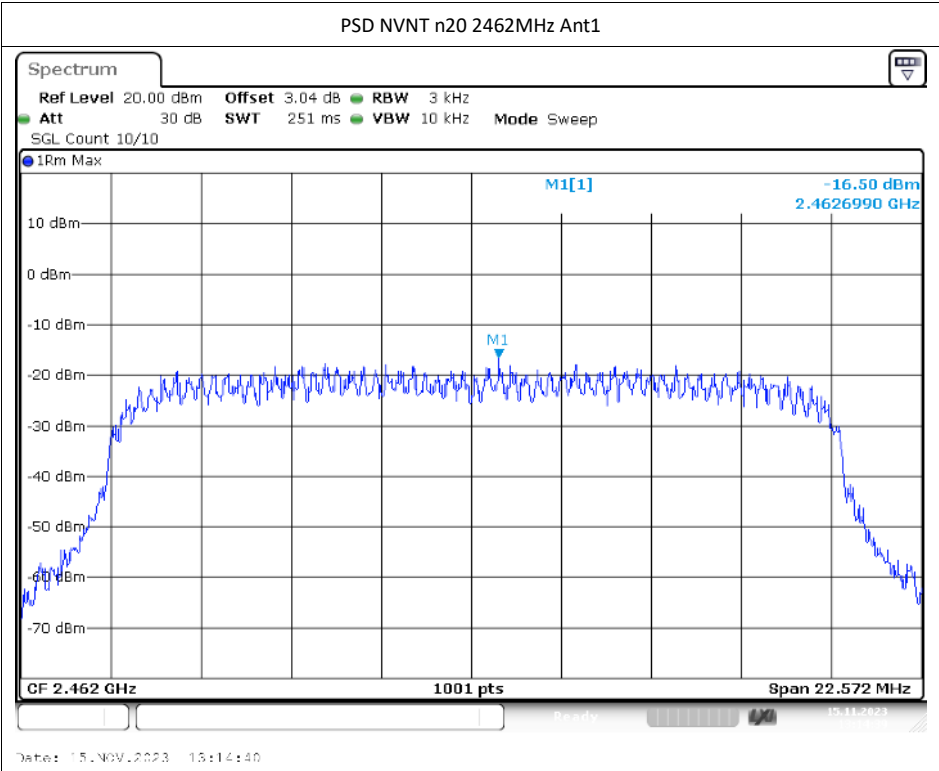


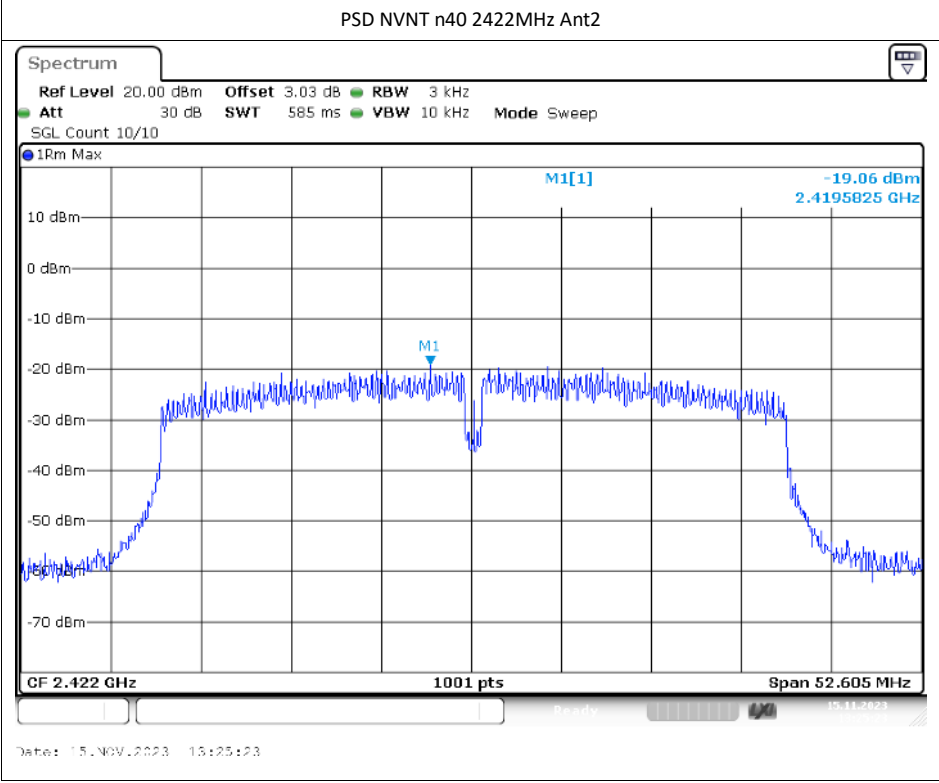
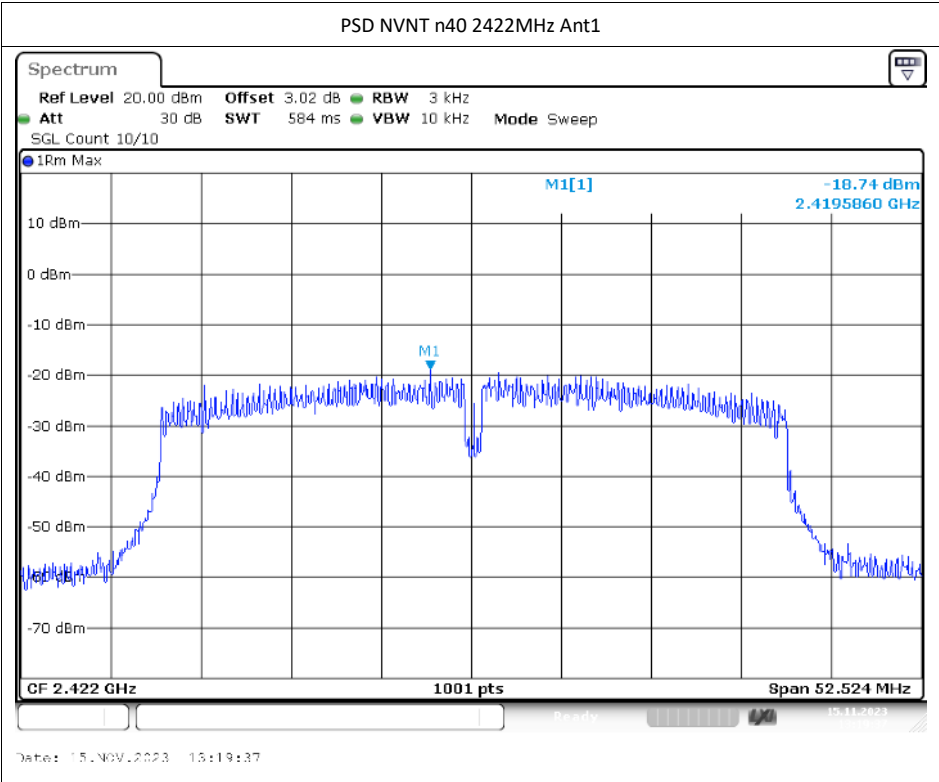
PSD NVNT g 2462MHz Ant2

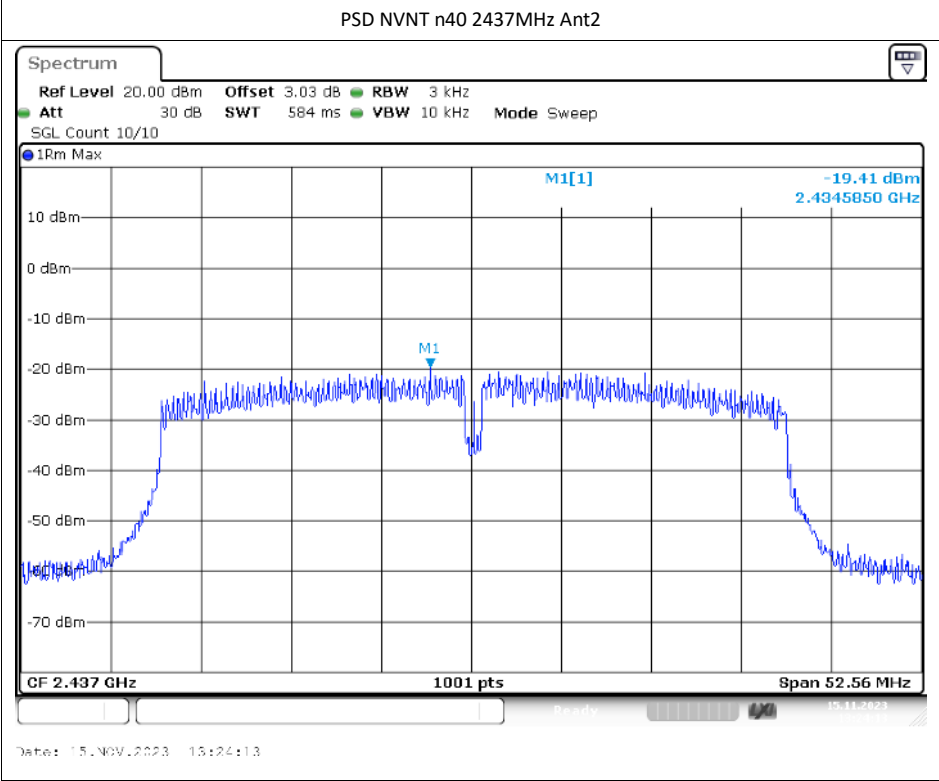
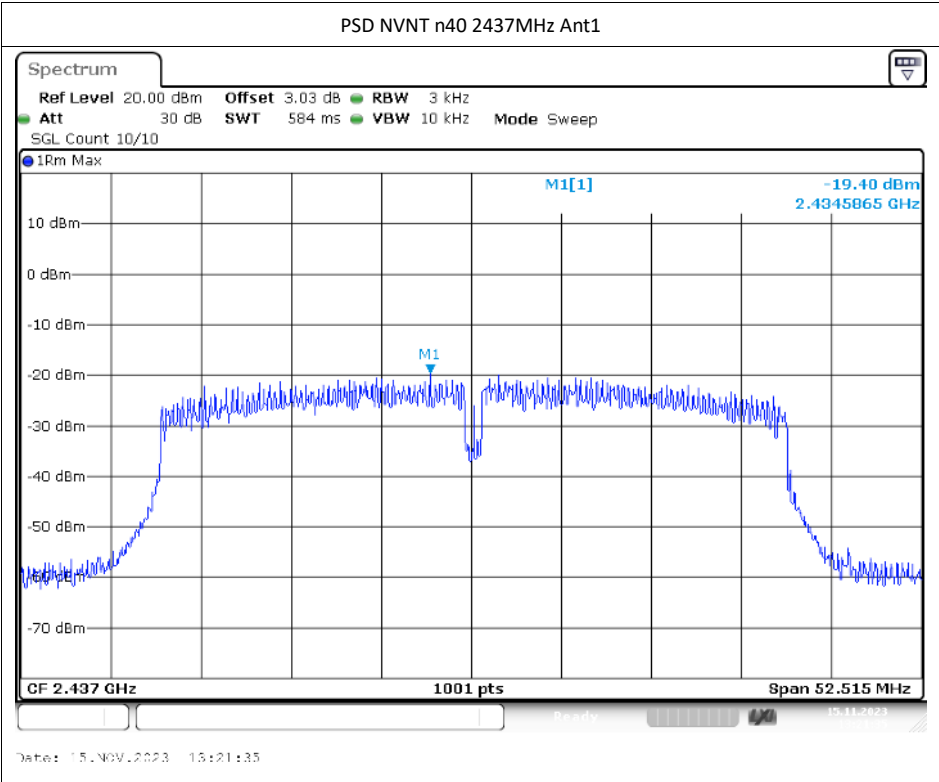


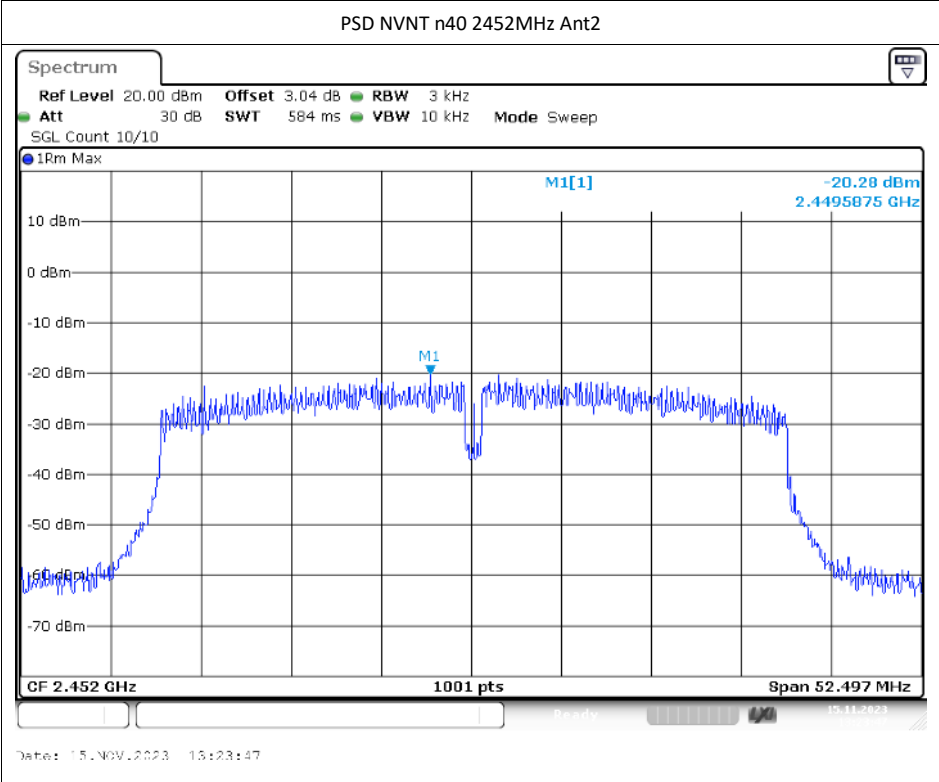
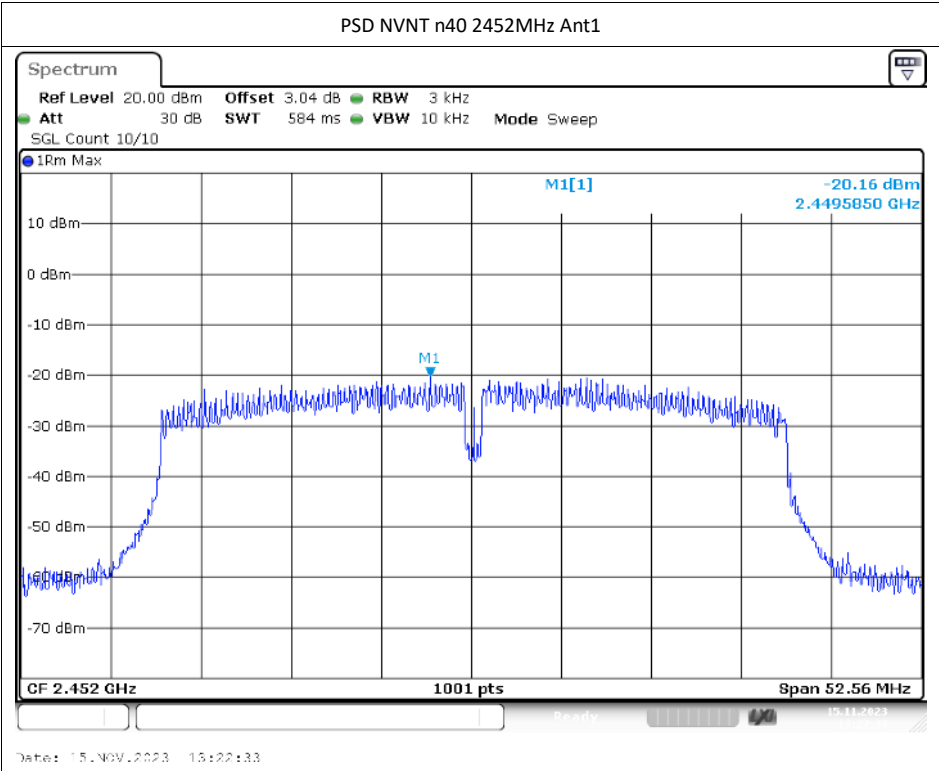










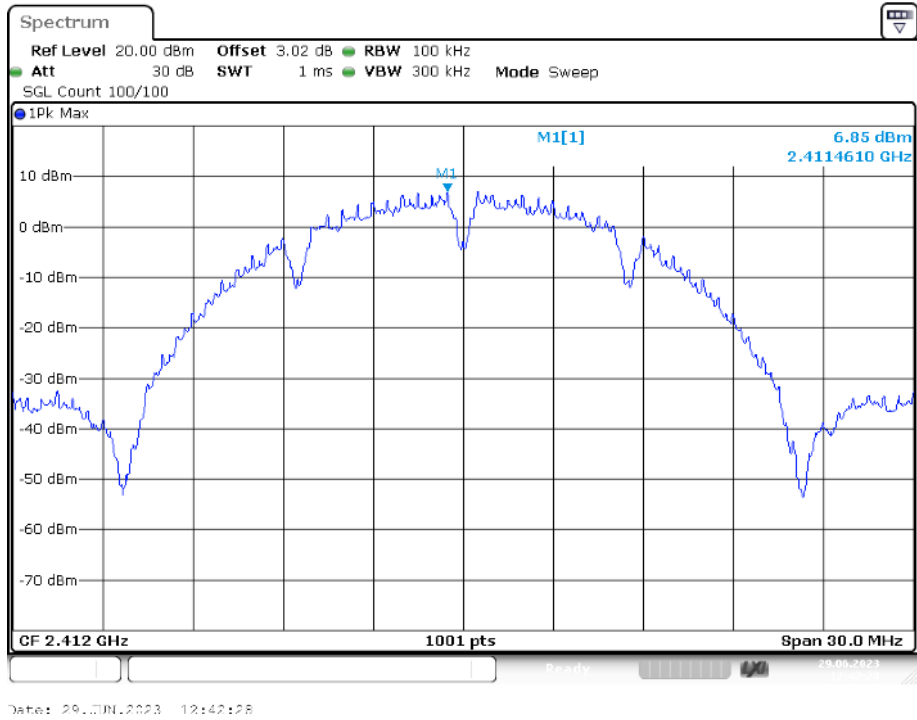


Band Edge

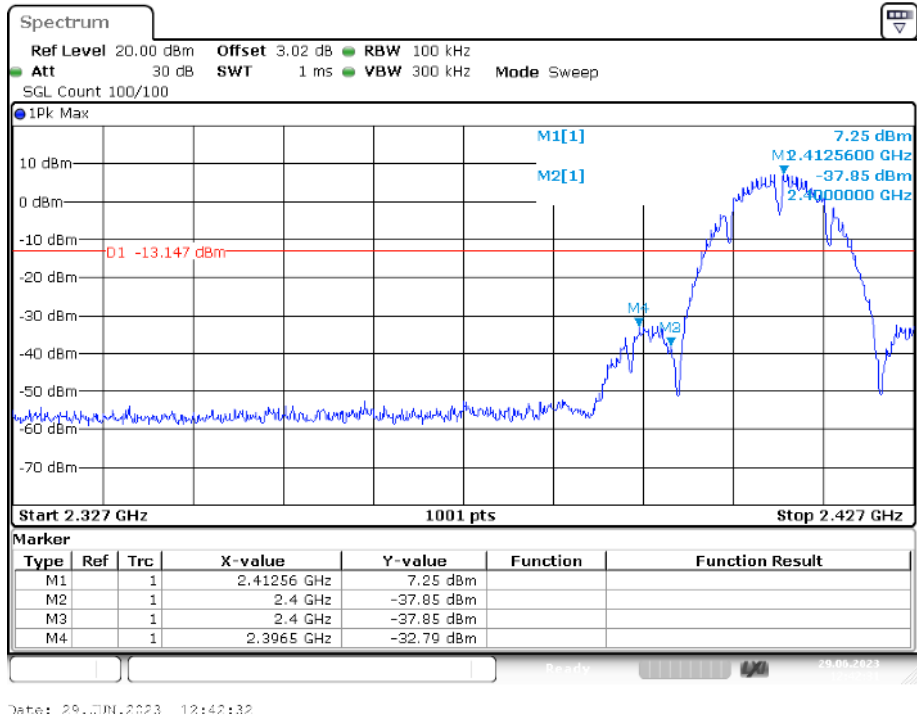
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-39.63	-20	Pass
NVNT	b	2412	Ant2	-42.2	-20	Pass
NVNT	b	2462	Ant1	-60.14	-20	Pass
NVNT	b	2462	Ant2	-57.54	-20	Pass
NVNT	g	2412	Ant1	-31.08	-20	Pass
NVNT	g	2412	Ant2	-29.21	-20	Pass
NVNT	g	2462	Ant1	-47.13	-20	Pass
NVNT	g	2462	Ant2	-44.64	-20	Pass
NVNT	n20	2412	Ant1	-29.84	-20	Pass
NVNT	n20	2412	Ant2	-30.04	-20	Pass
NVNT	n20	2462	Ant1	-41.81	-20	Pass
NVNT	n20	2462	Ant2	-41.9	-20	Pass
NVNT	n40	2422	Ant1	-30.54	-20	Pass
NVNT	n40	2422	Ant2	-30.99	-20	Pass
NVNT	n40	2452	Ant1	-36.3	-20	Pass
NVNT	n40	2452	Ant2	-37.66	-20	Pass

Test Graphs

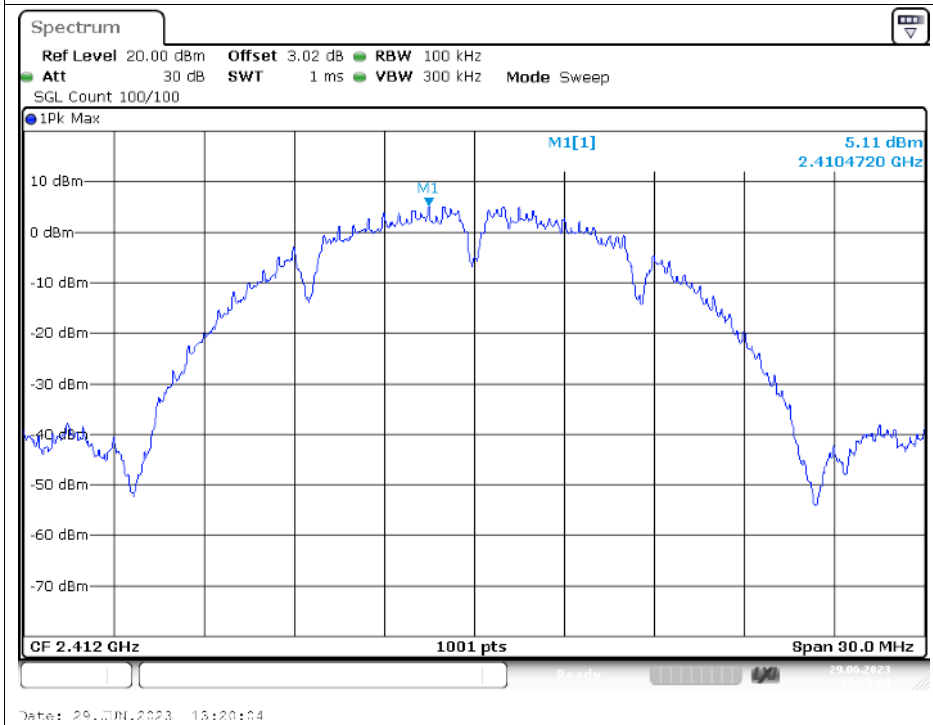
Band Edge NVNT b 2412MHz Ant1 Ref



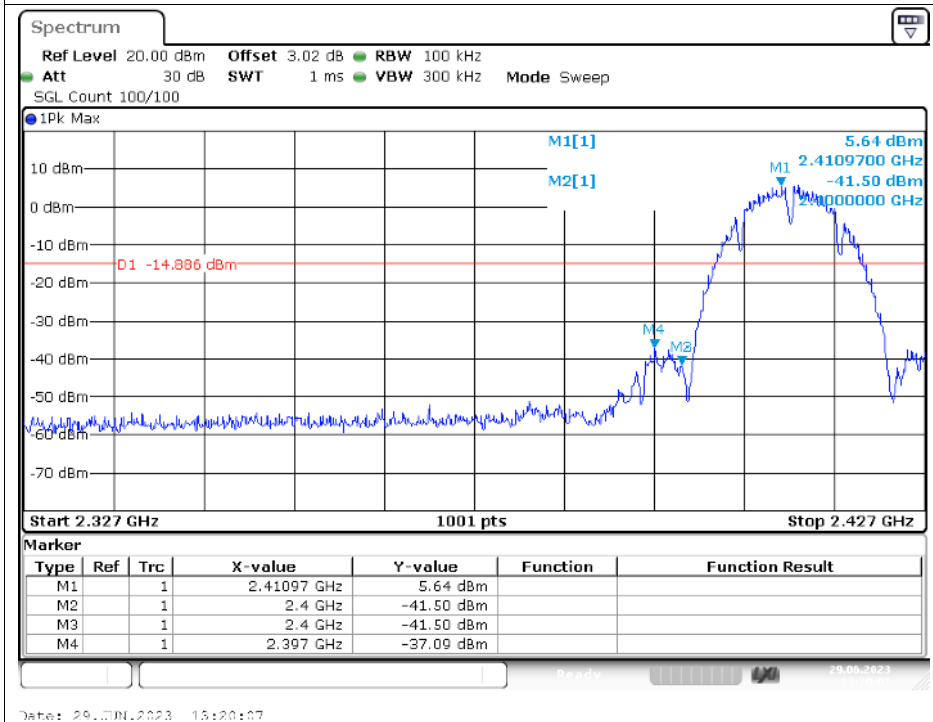
Band Edge NVNT b 2412MHz Ant1 Emission



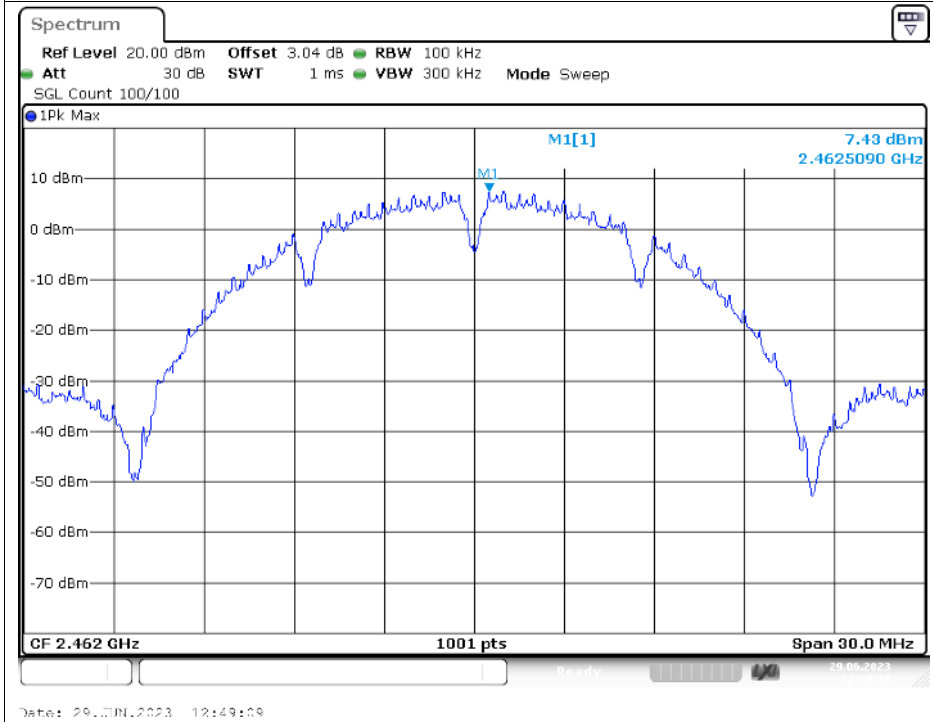
Band Edge NVNT b 2412MHz Ant2 Ref



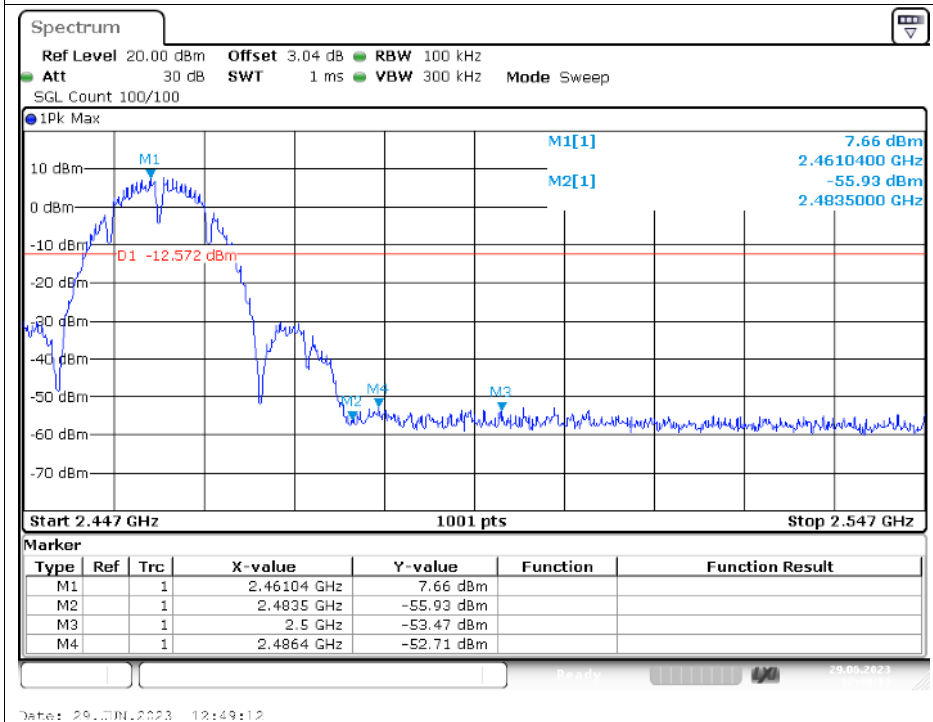
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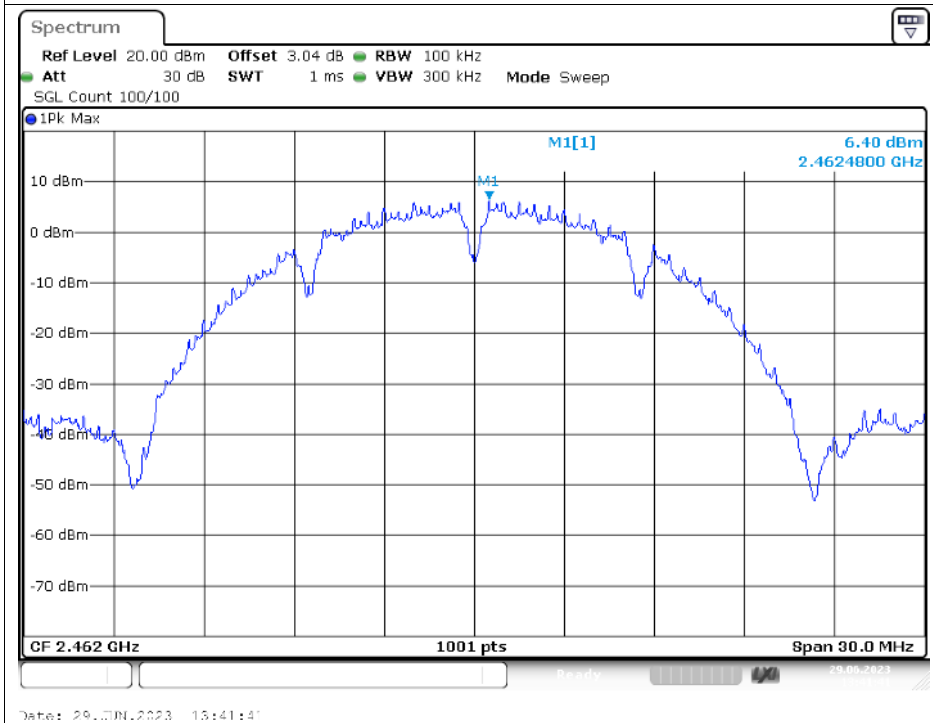
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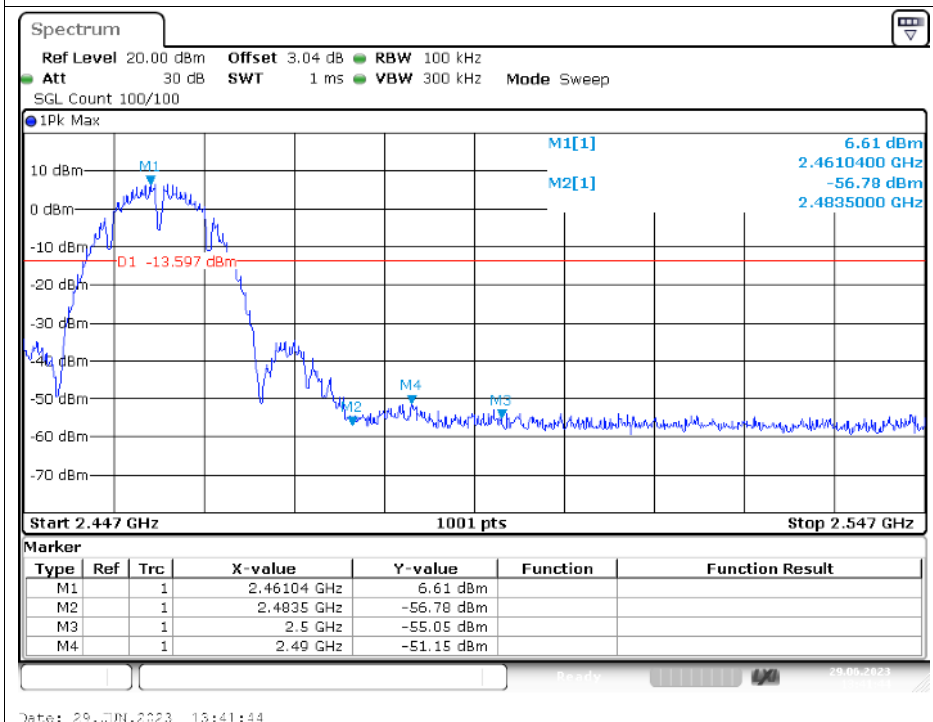
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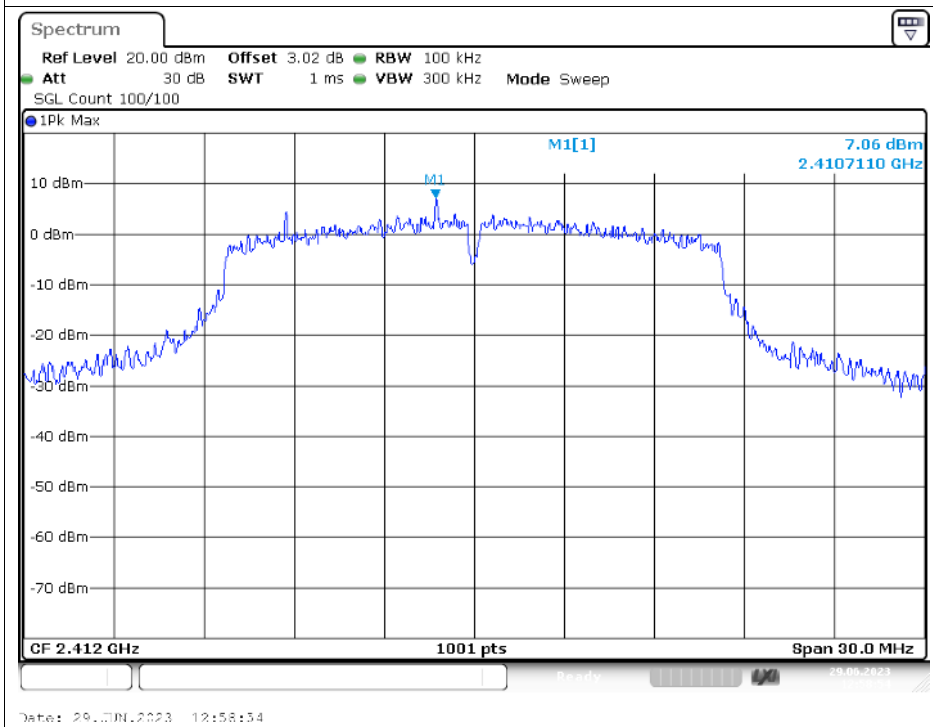
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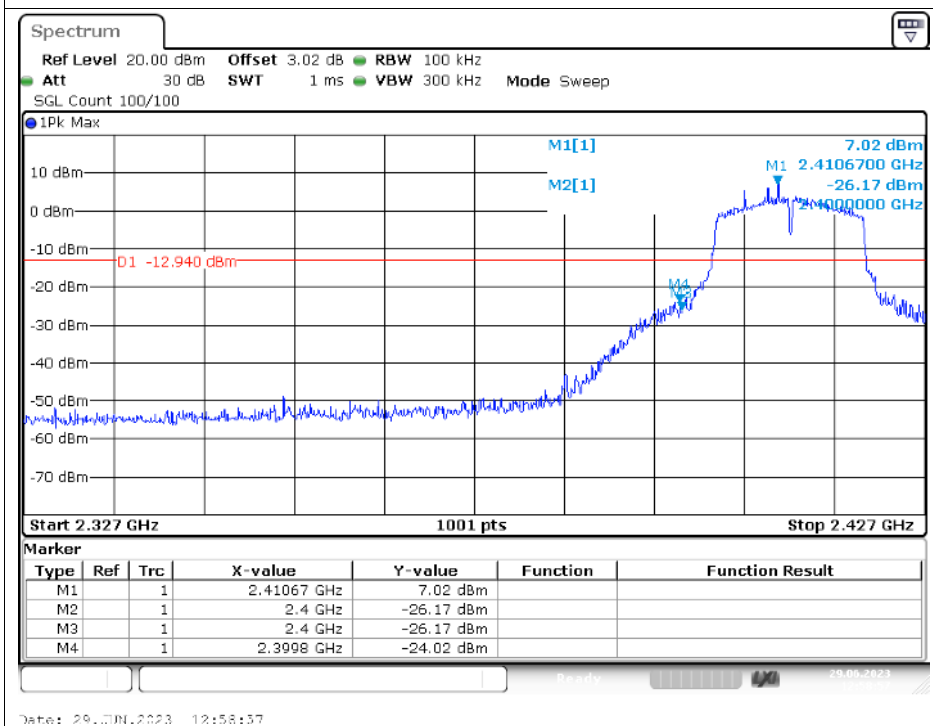
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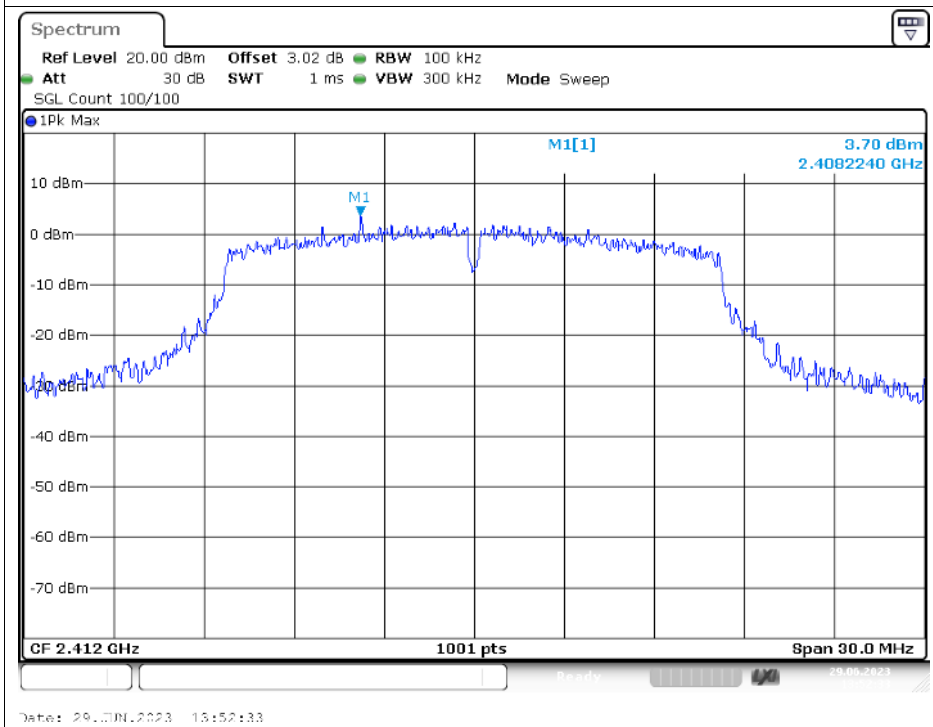
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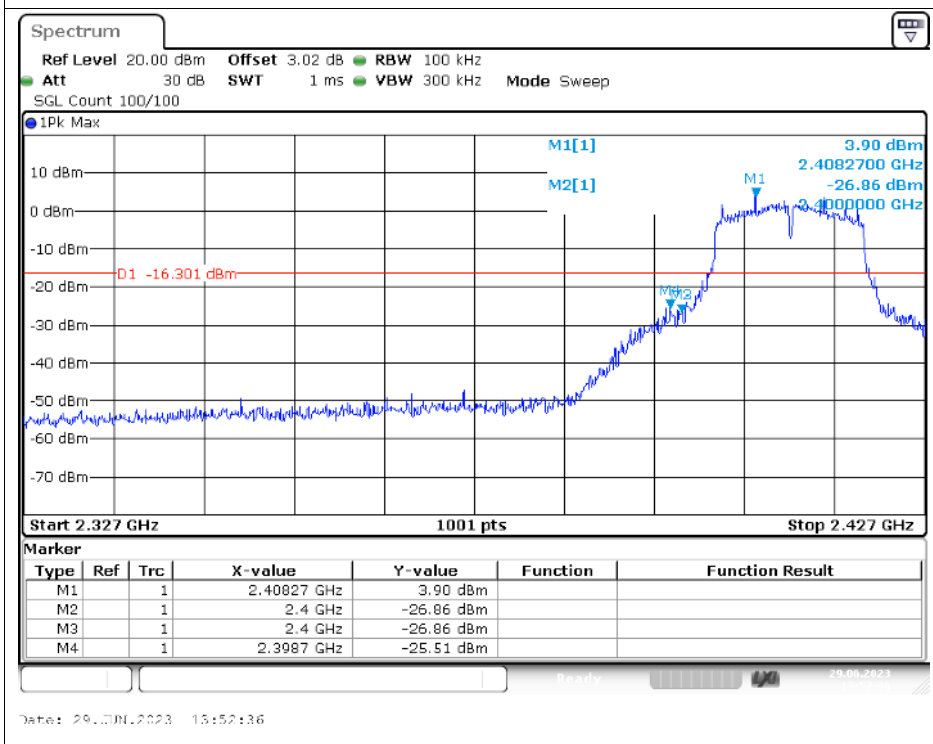
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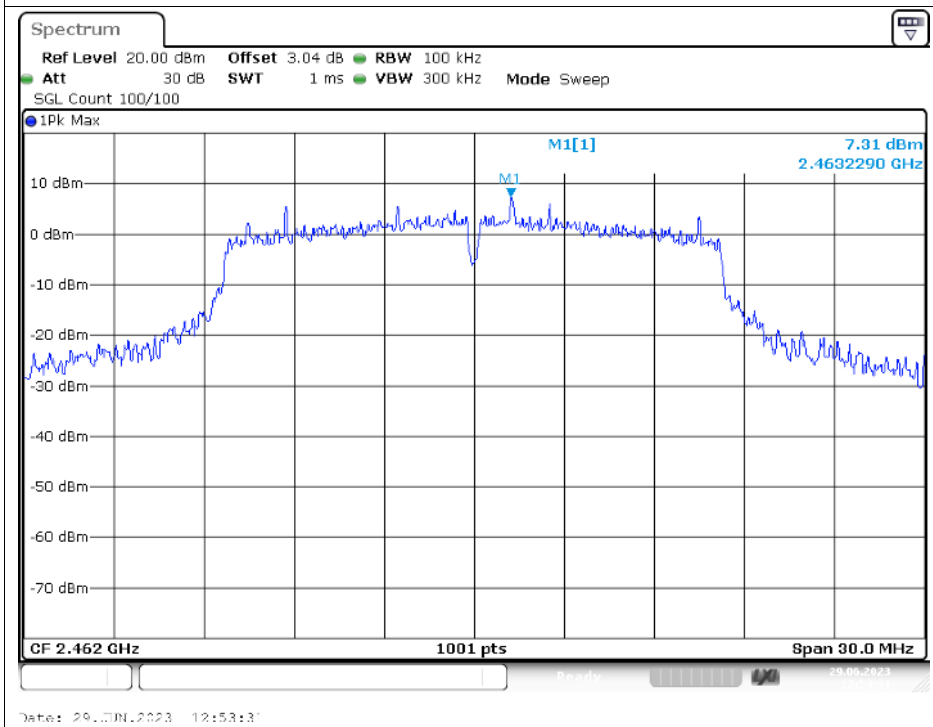
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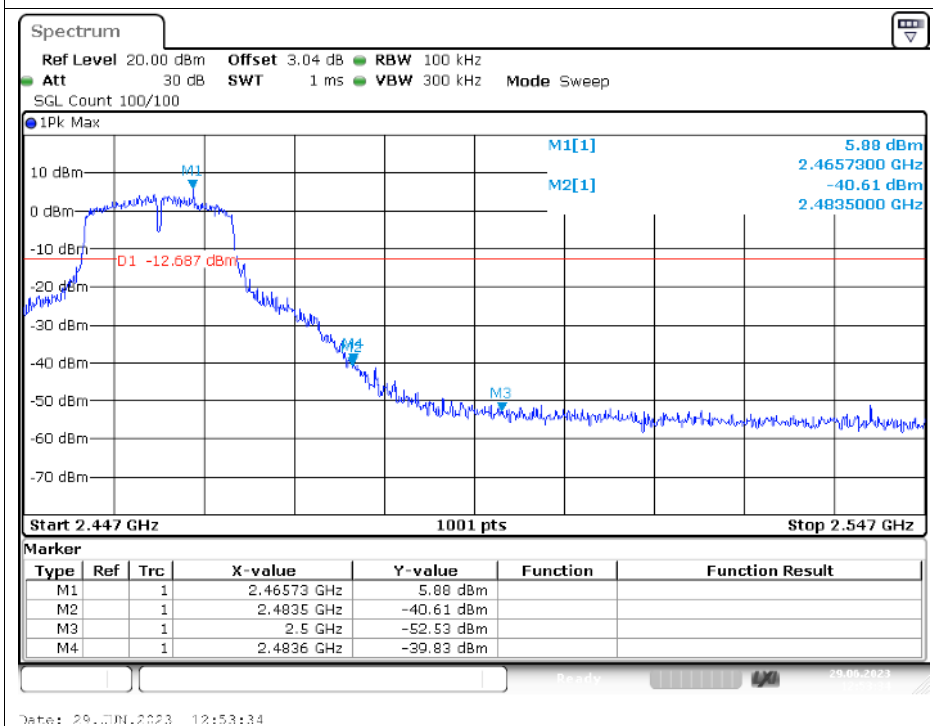
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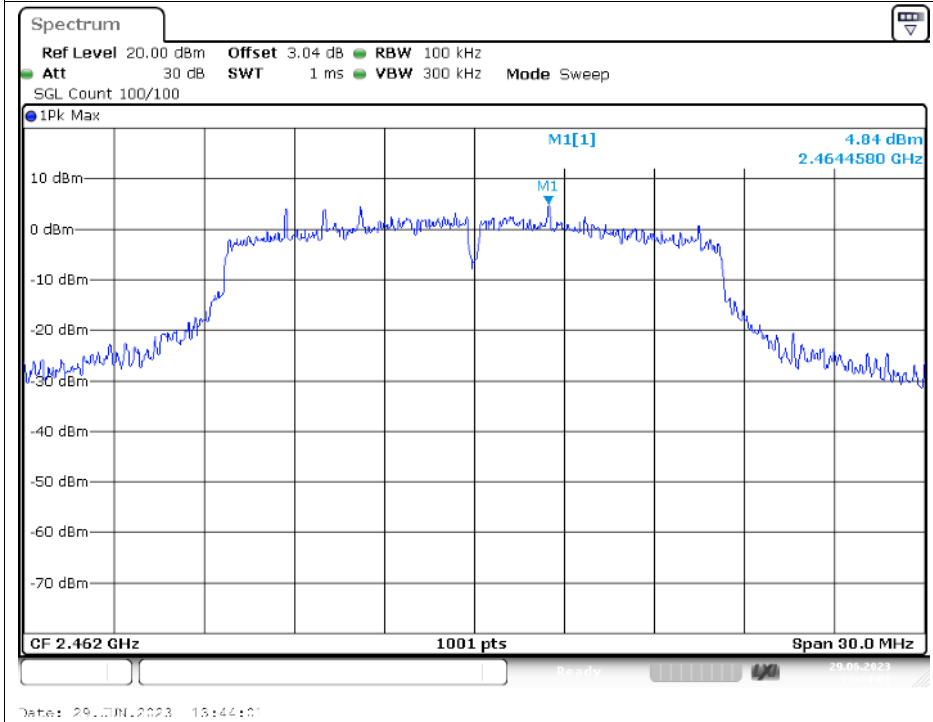
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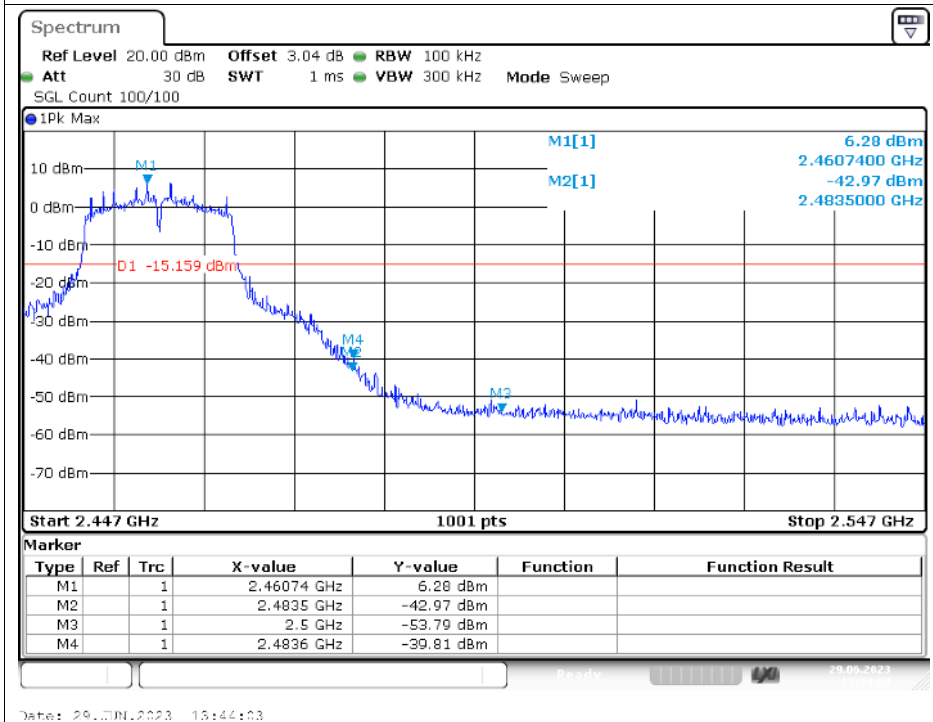
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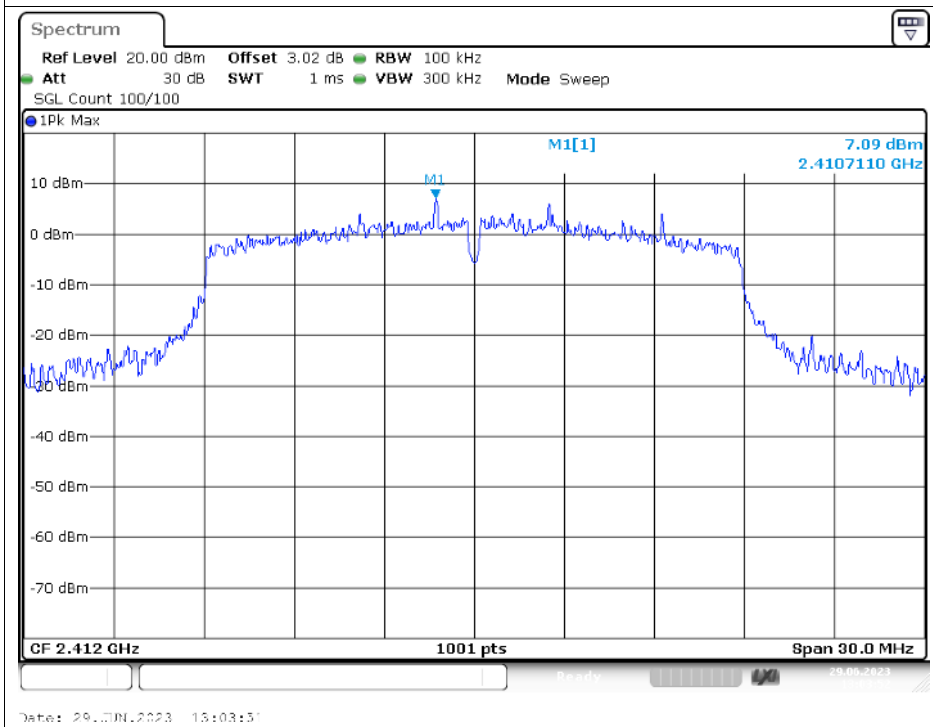
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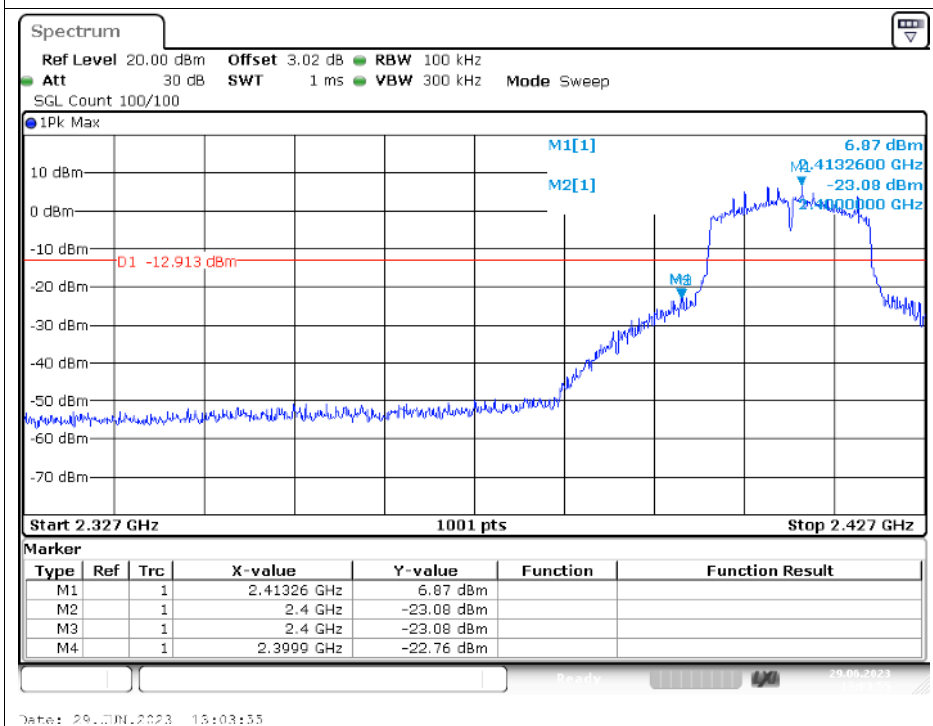
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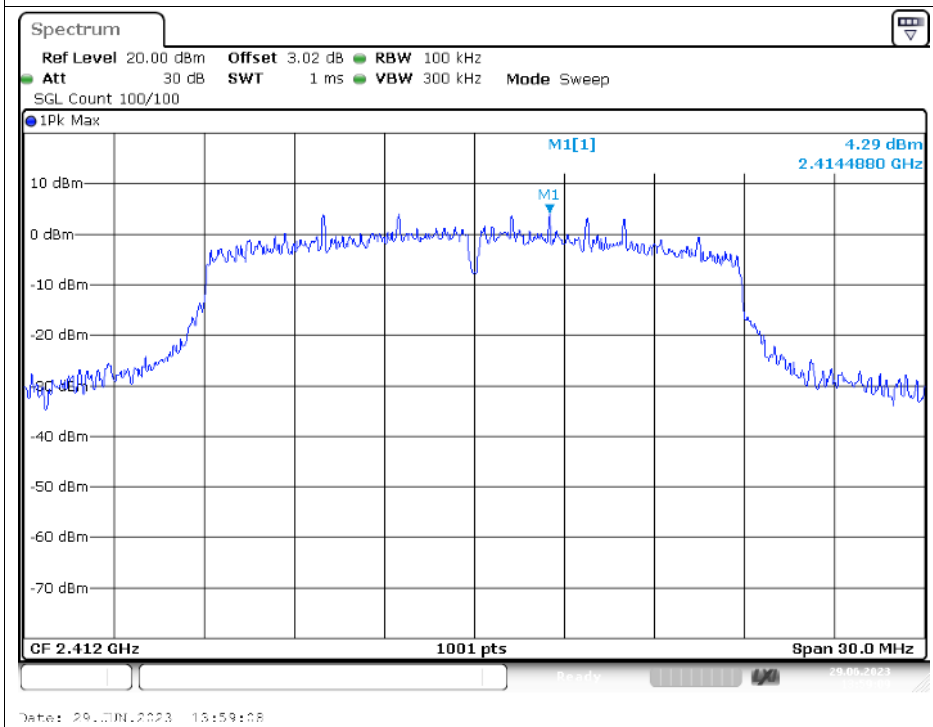
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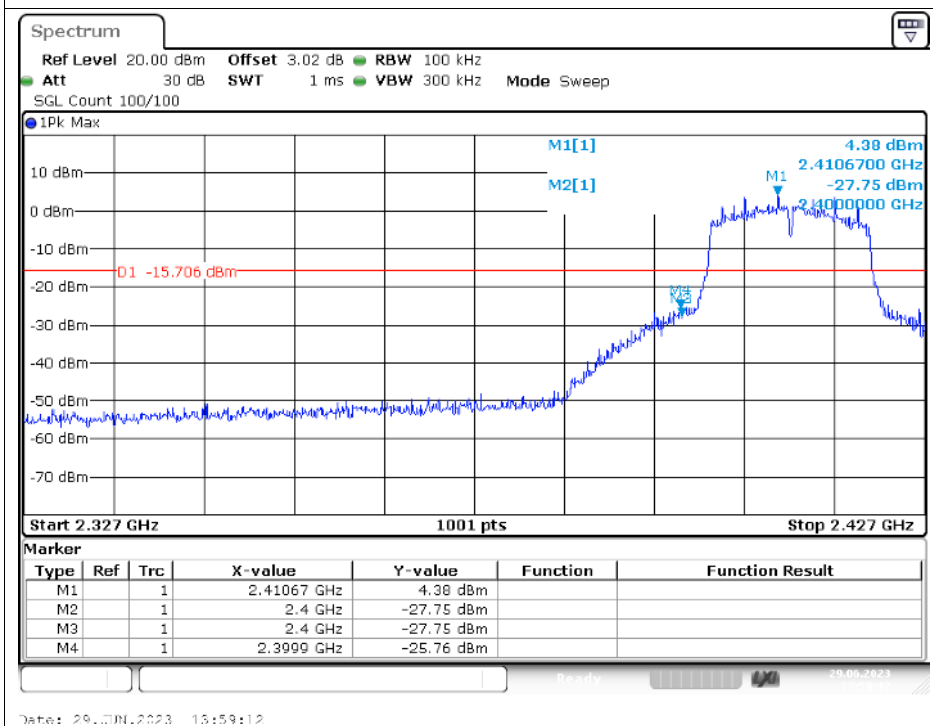
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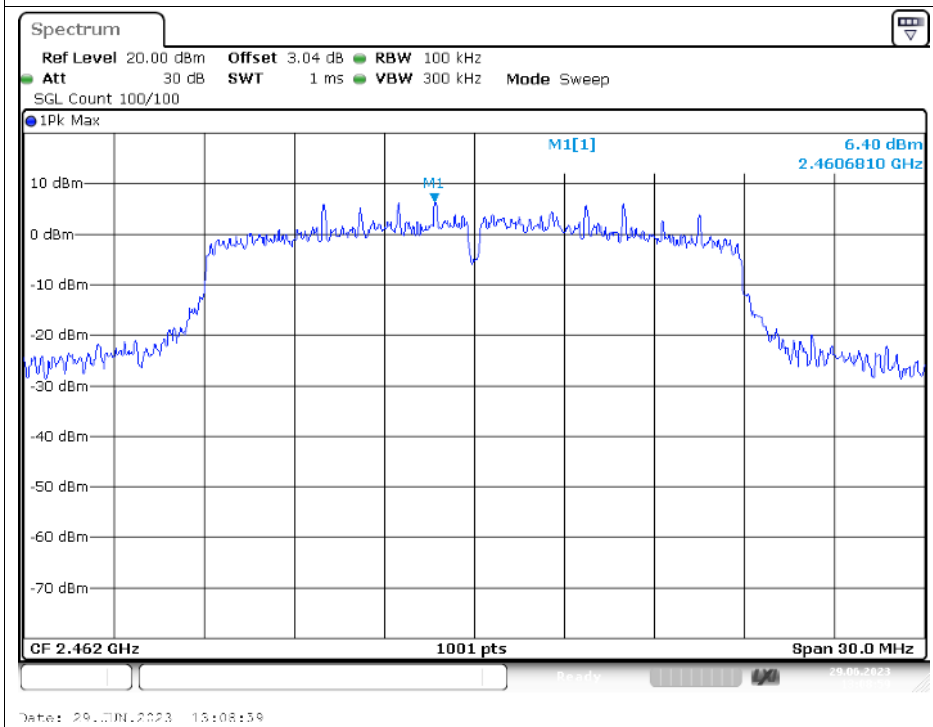
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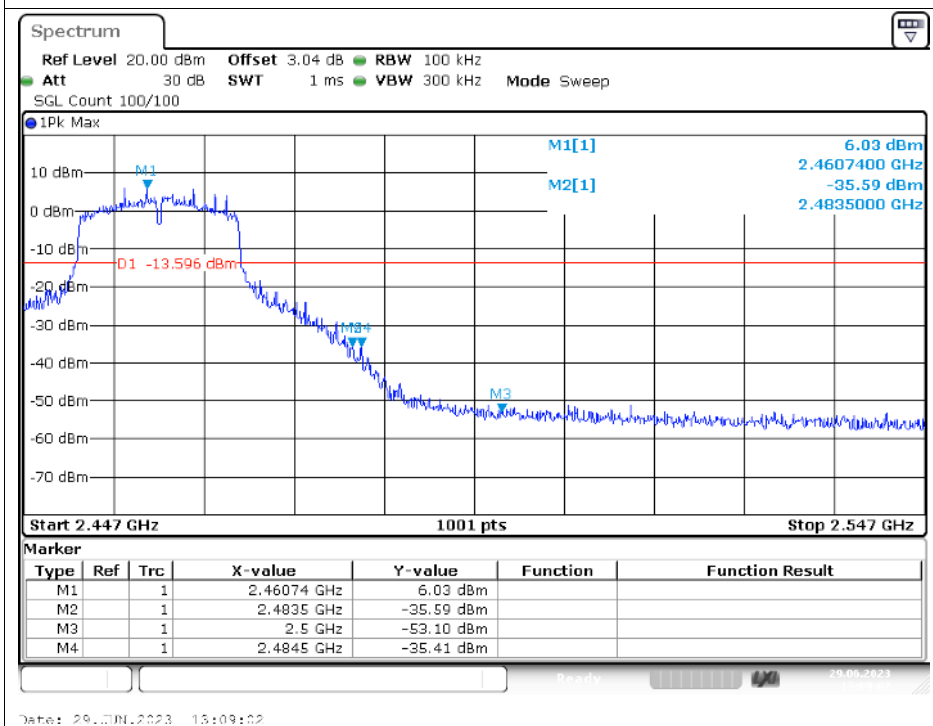
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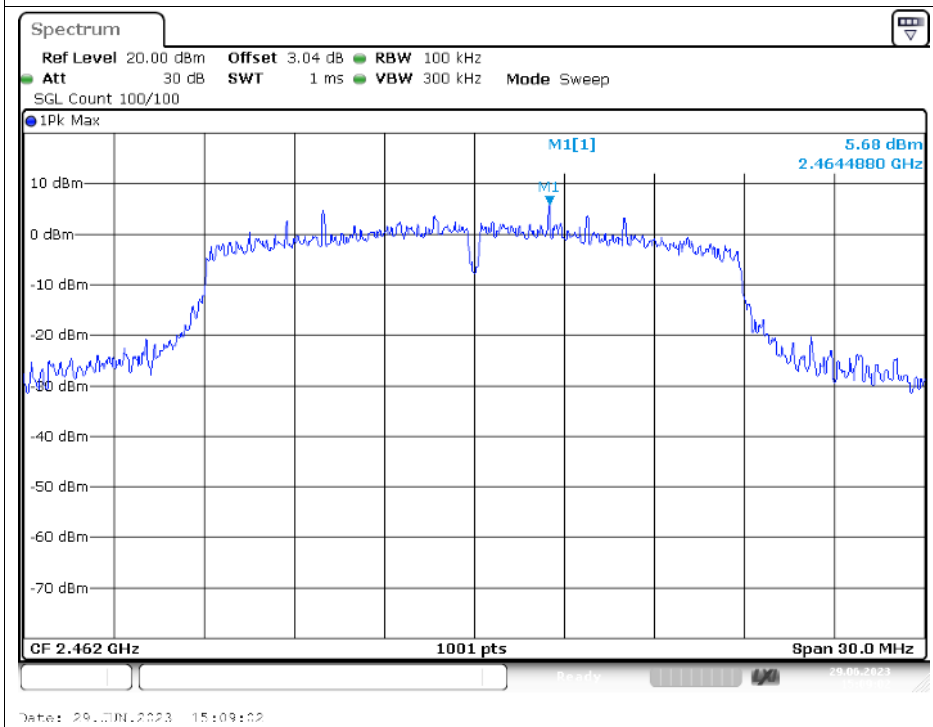
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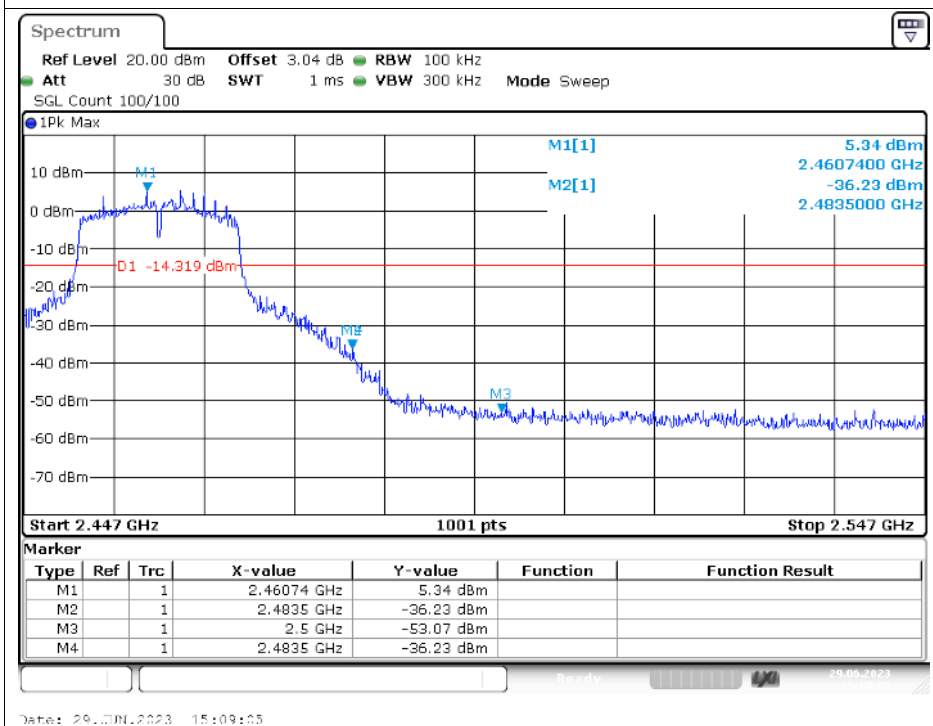
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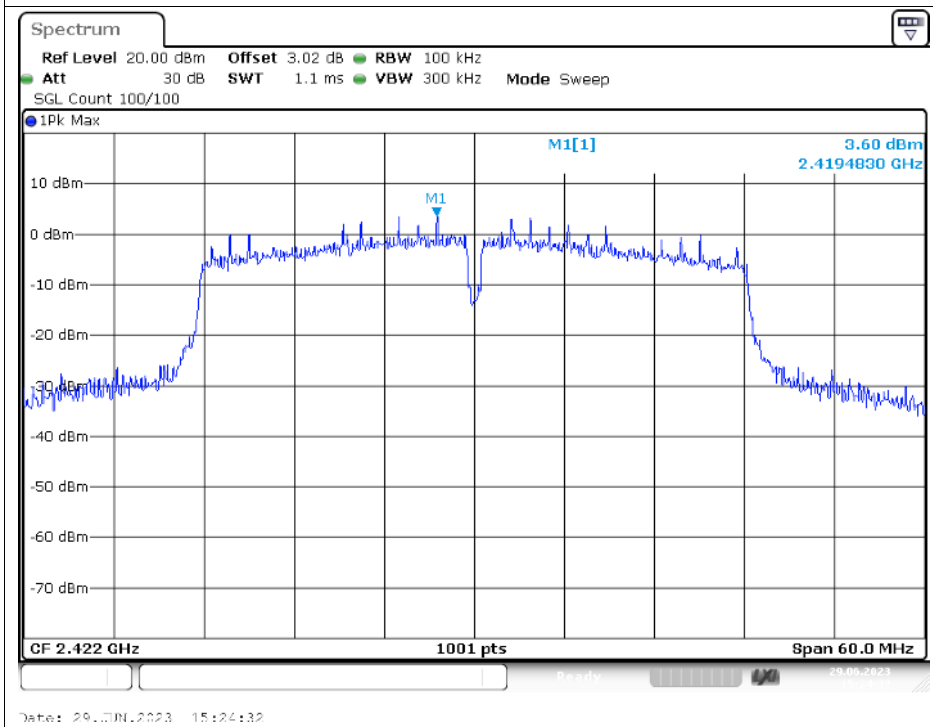
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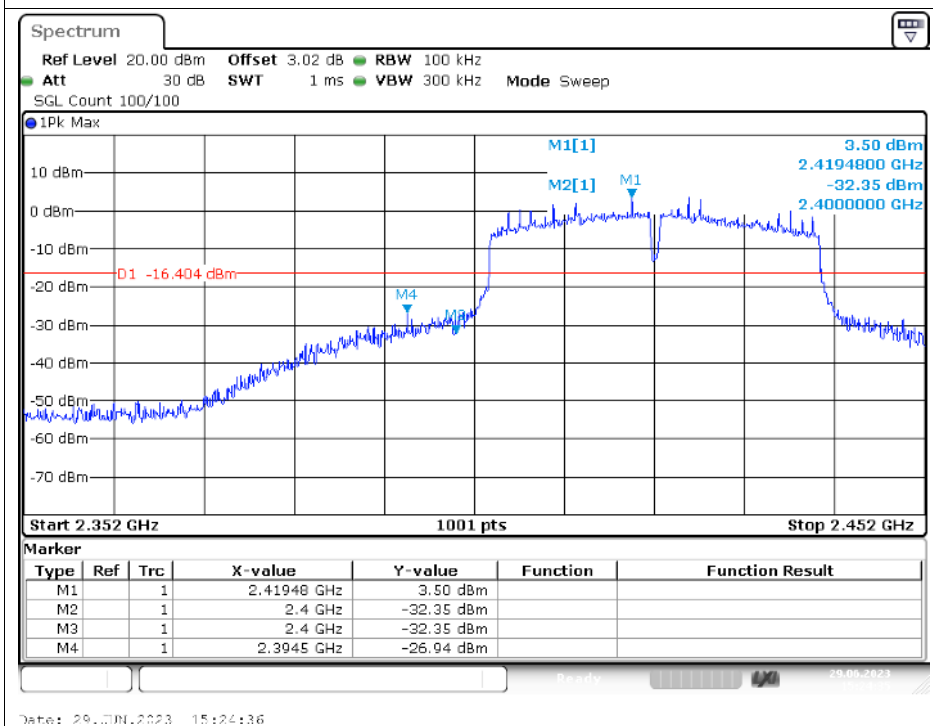
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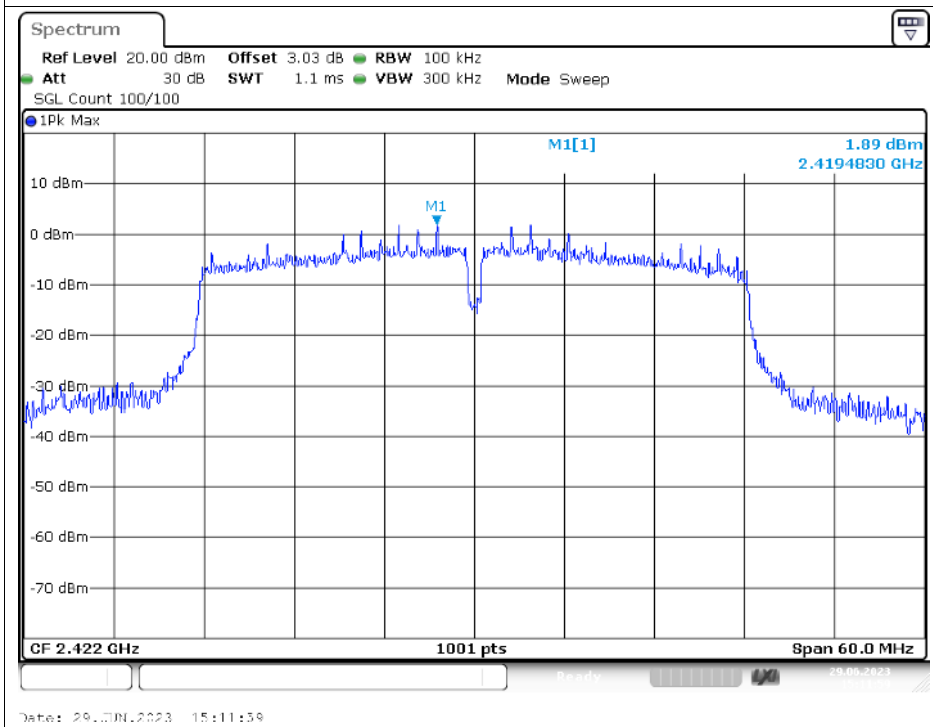
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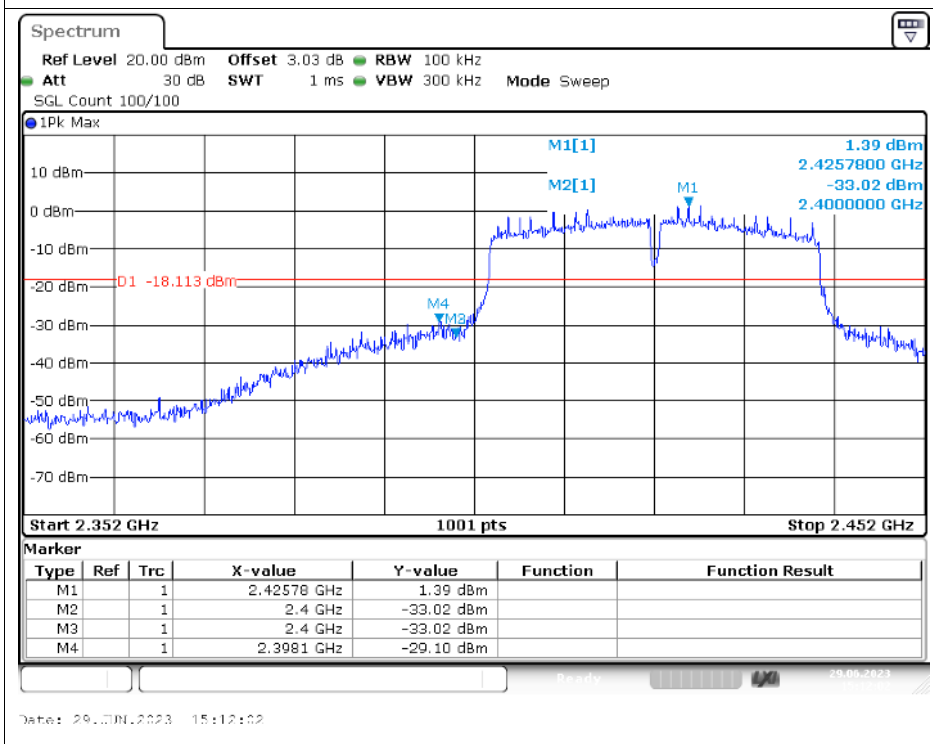
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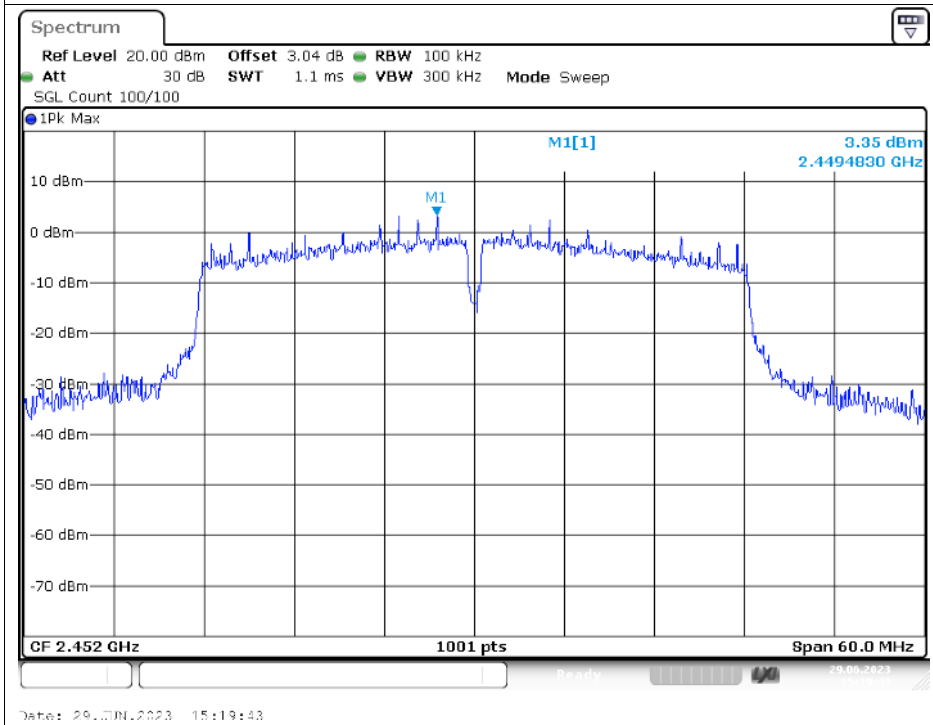
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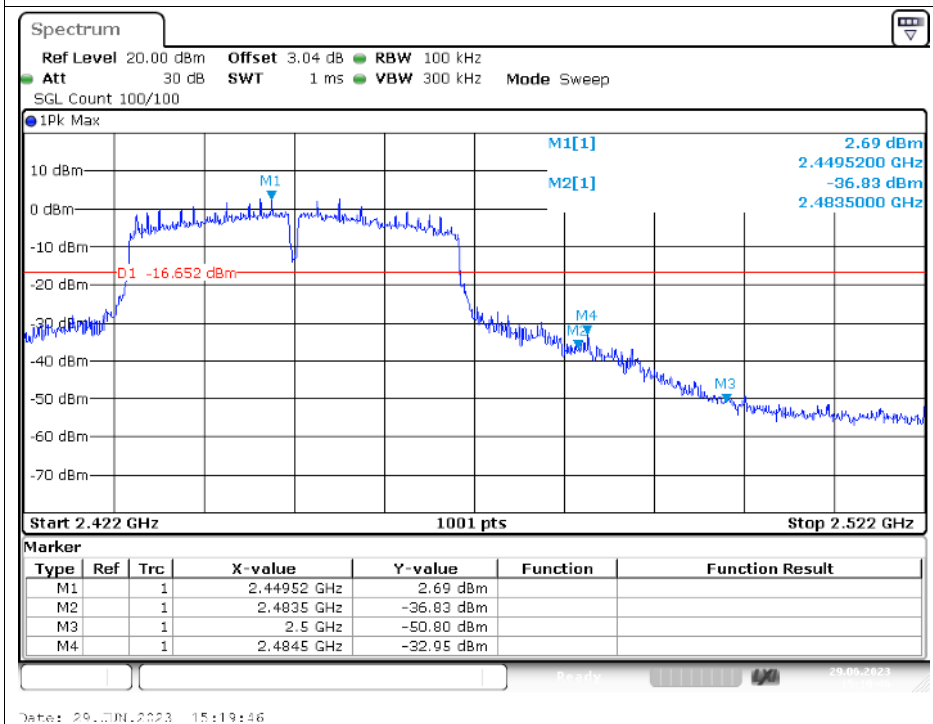
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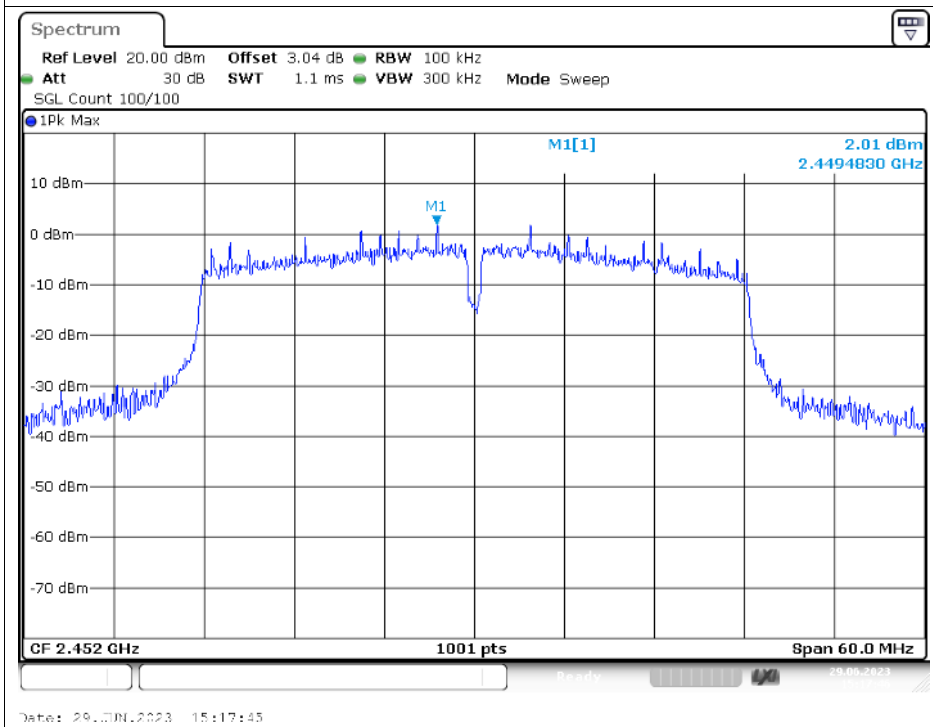
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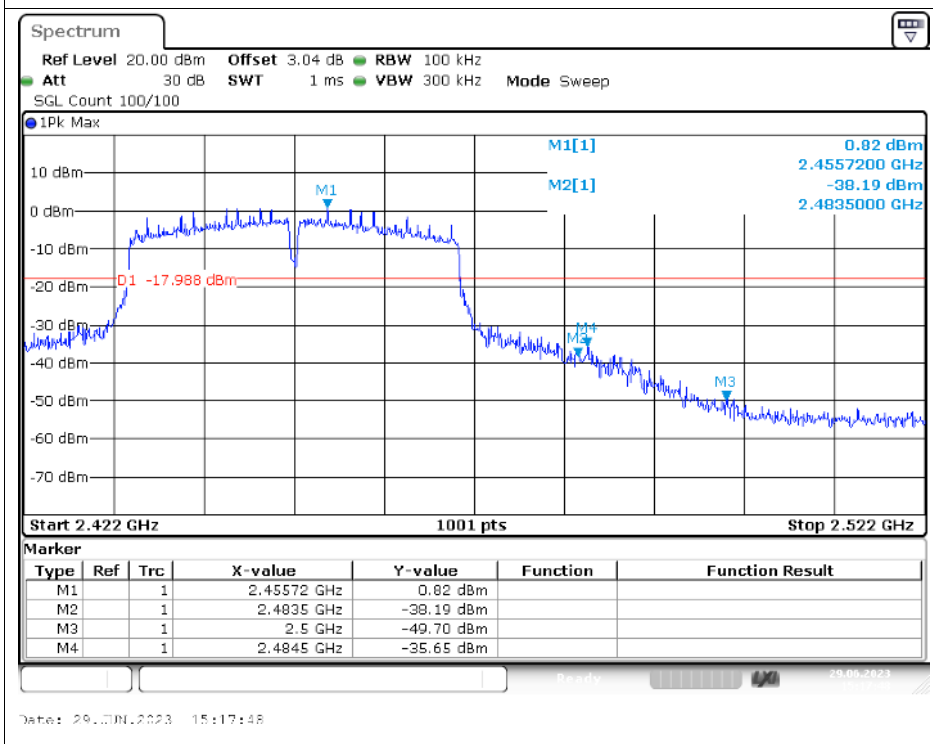
Band Edge NVNT n40 2452MHz Ant1 Emission



Band Edge NVNT n40 2452MHz Ant2 Ref



Band Edge NVNT n40 2452MHz Ant2 Emission

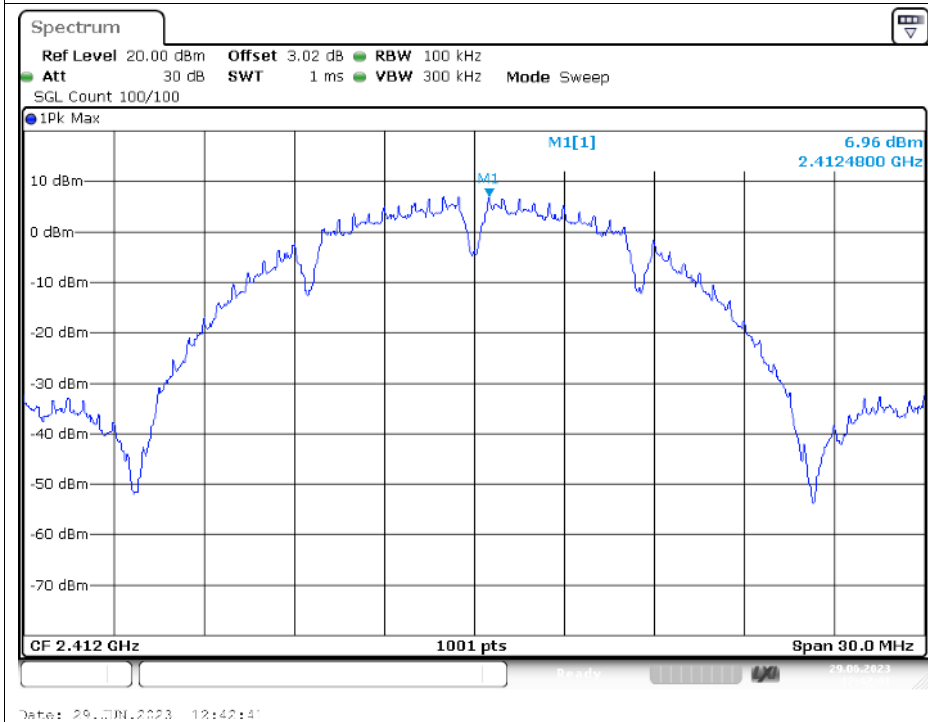


Conducted RF Spurious Emission

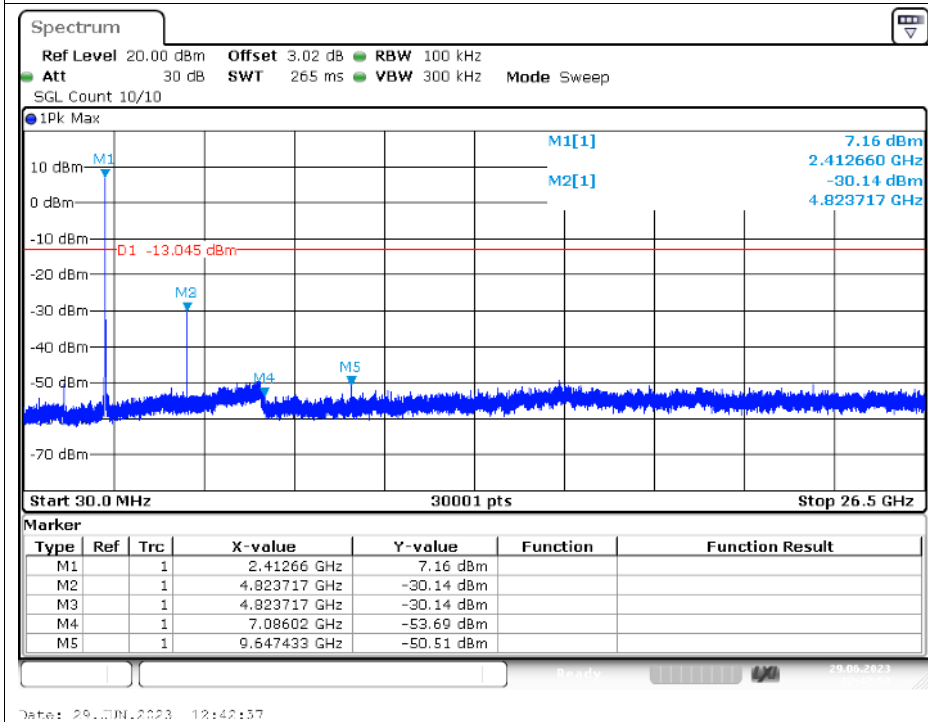
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant1	-37.09	-20	Pass
NVNT	b	2412	Ant2	-43.43	-20	Pass
NVNT	b	2437	Ant1	-37.75	-20	Pass
NVNT	b	2437	Ant2	-42.92	-20	Pass
NVNT	b	2462	Ant1	-38.36	-20	Pass
NVNT	b	2462	Ant2	-42.32	-20	Pass
NVNT	g	2412	Ant1	-47.19	-20	Pass
NVNT	g	2412	Ant2	-48.05	-20	Pass
NVNT	g	2437	Ant1	-46.77	-20	Pass
NVNT	g	2437	Ant2	-50.75	-20	Pass
NVNT	g	2462	Ant1	-42.92	-20	Pass
NVNT	g	2462	Ant2	-49.45	-20	Pass
NVNT	n20	2412	Ant1	-45.11	-20	Pass
NVNT	n20	2412	Ant2	-51.59	-20	Pass
NVNT	n20	2437	Ant1	-48.05	-20	Pass
NVNT	n20	2437	Ant2	-50.79	-20	Pass
NVNT	n20	2462	Ant1	-48.07	-20	Pass
NVNT	n20	2462	Ant2	-50.36	-20	Pass
NVNT	n40	2422	Ant1	-44.27	-20	Pass
NVNT	n40	2422	Ant2	-49.93	-20	Pass
NVNT	n40	2437	Ant1	-45.57	-20	Pass
NVNT	n40	2437	Ant2	-50.08	-20	Pass
NVNT	n40	2452	Ant1	-45.97	-20	Pass
NVNT	n40	2452	Ant2	-50.82	-20	Pass

Test Graphs

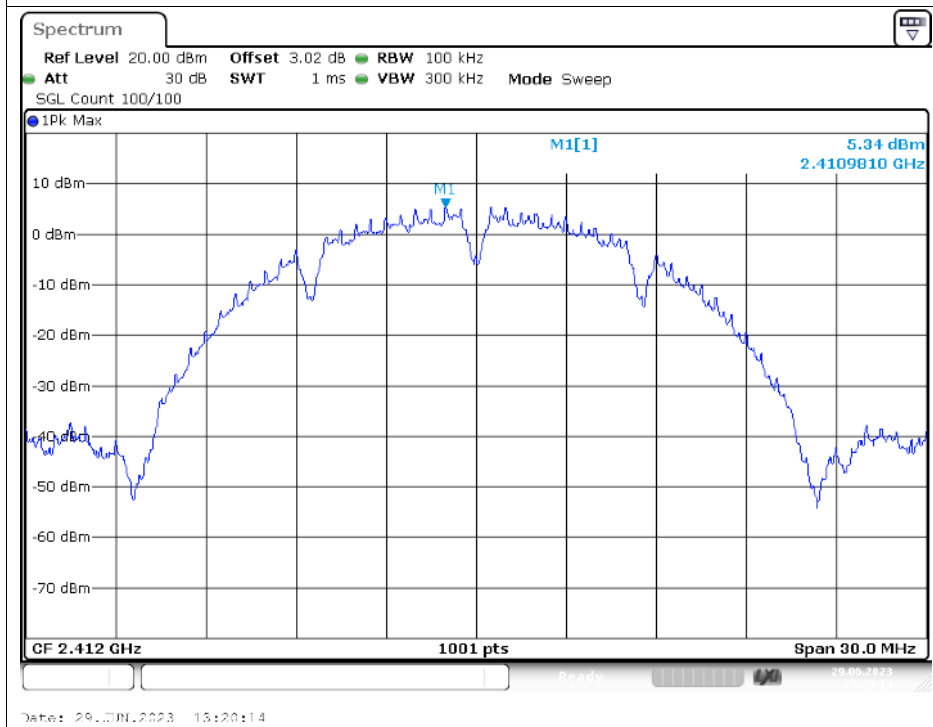
Tx. Spurious NVNT b 2412MHz Ant1 Ref



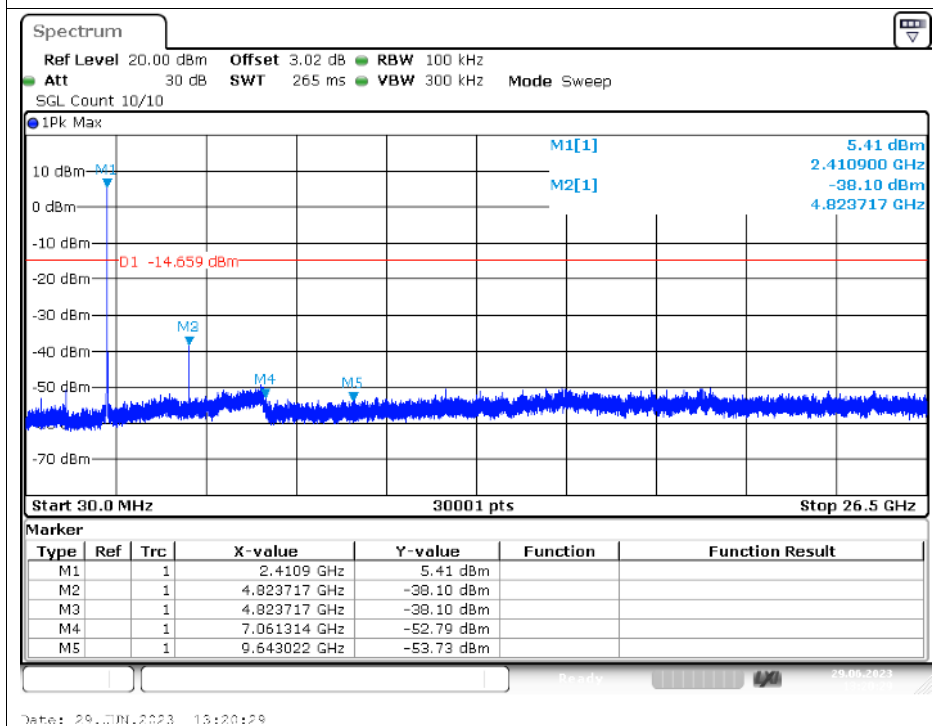
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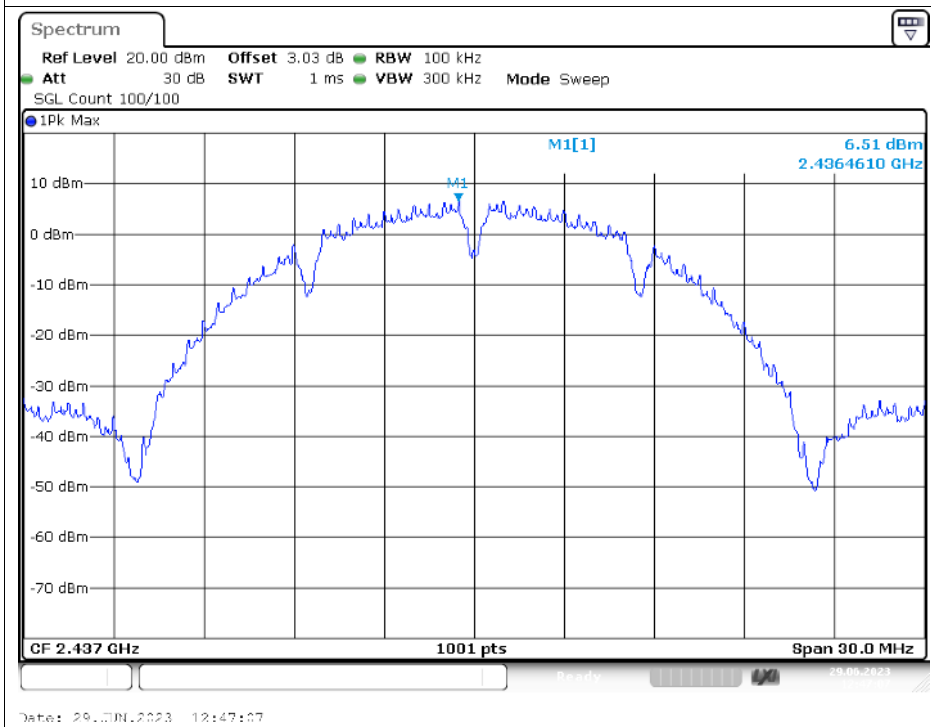
Tx. Spurious NVNT b 2412MHz Ant2 Ref



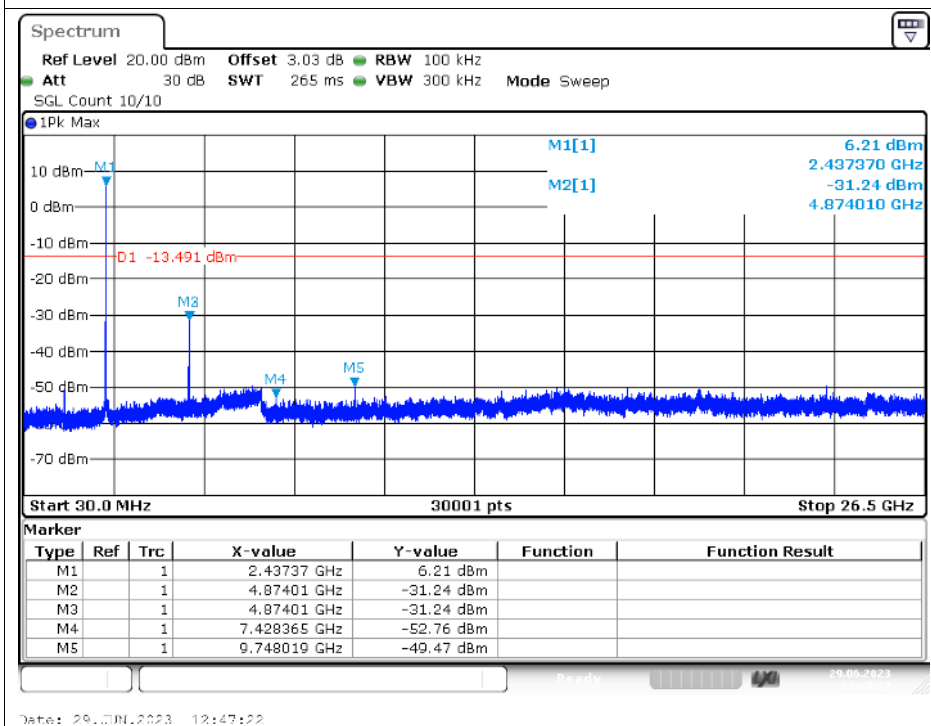
Tx. Spurious NVNT b 2412MHz Ant2 Emission



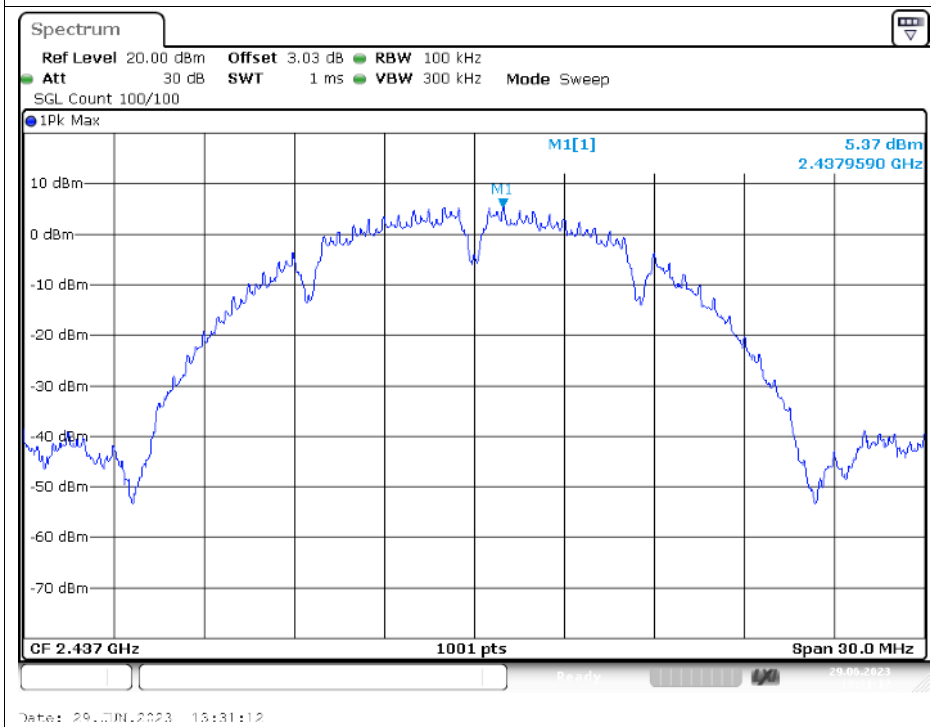
Tx. Spurious NVNT b 2437MHz Ant1 Ref



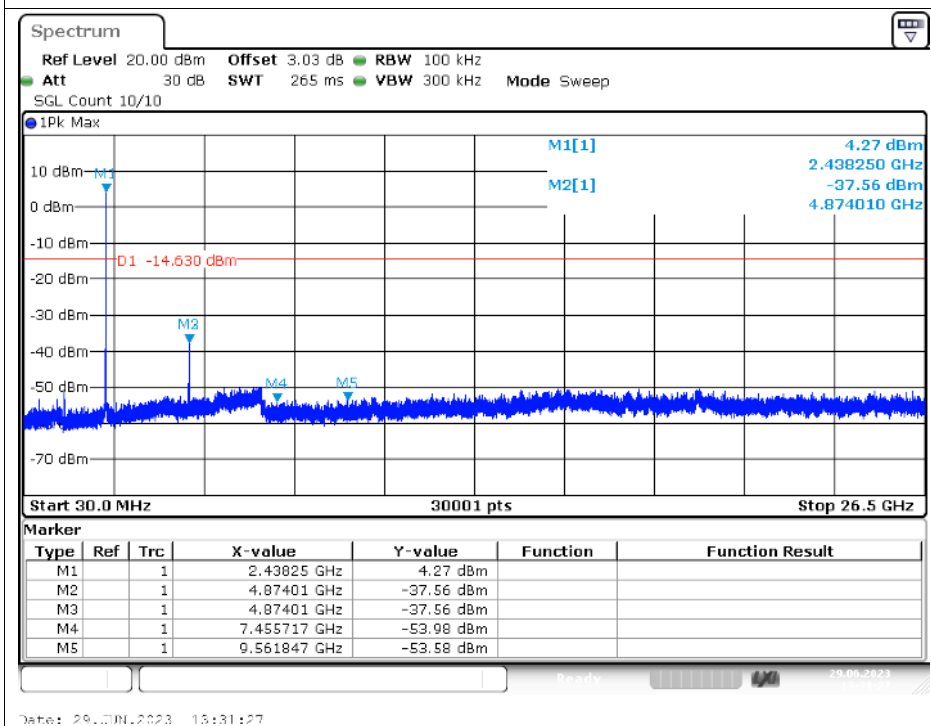
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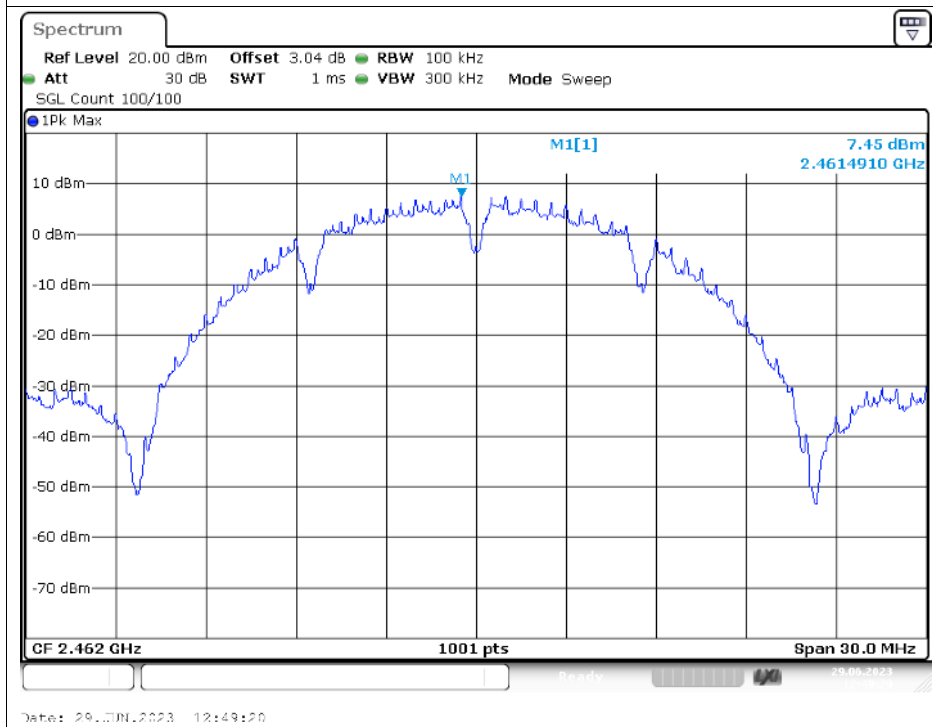
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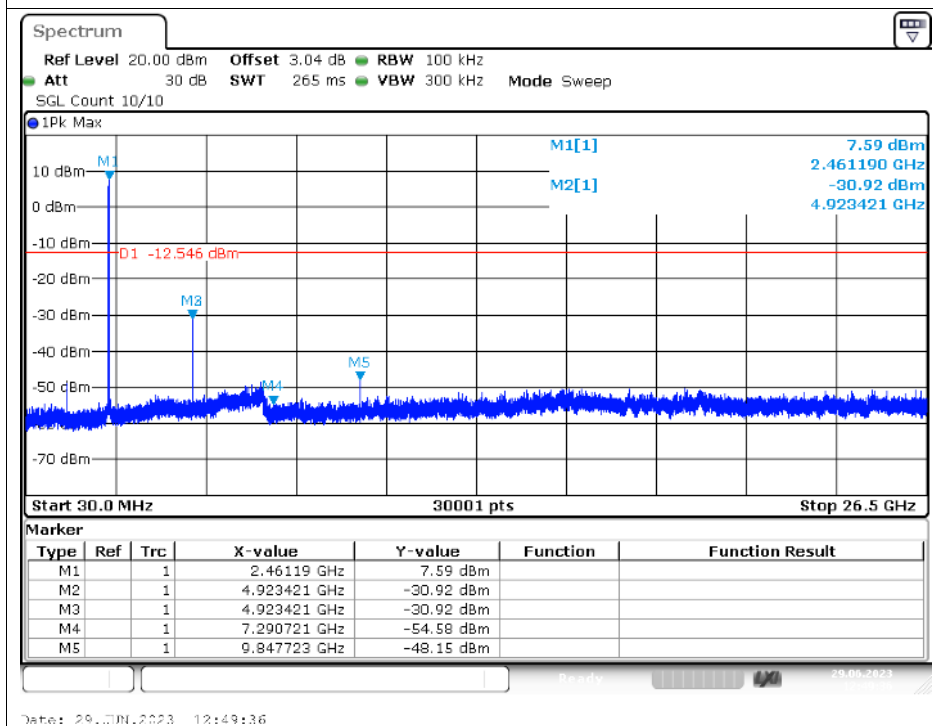
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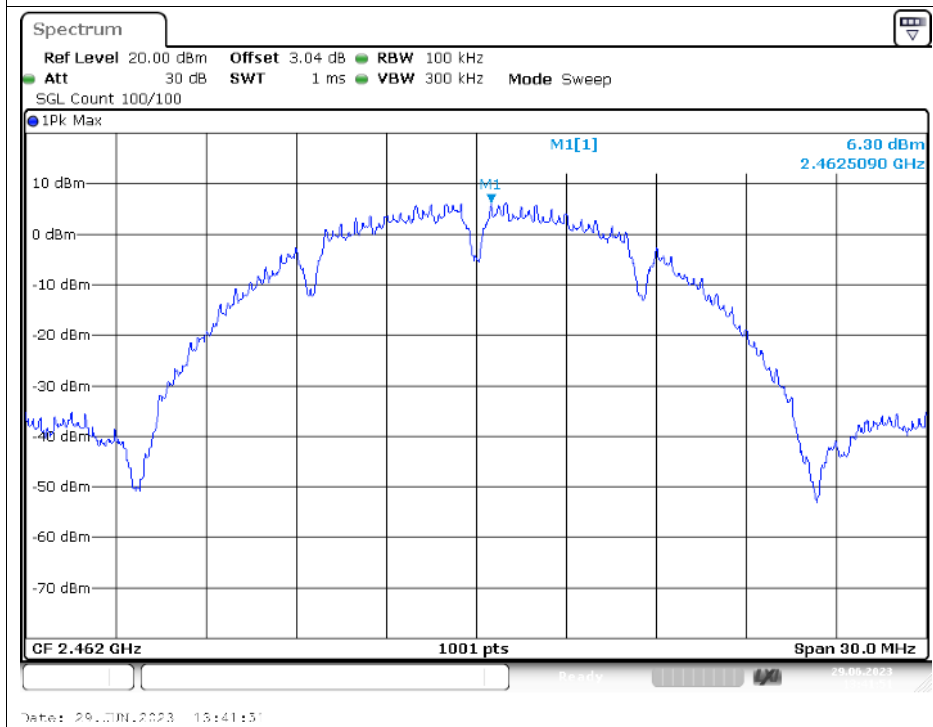
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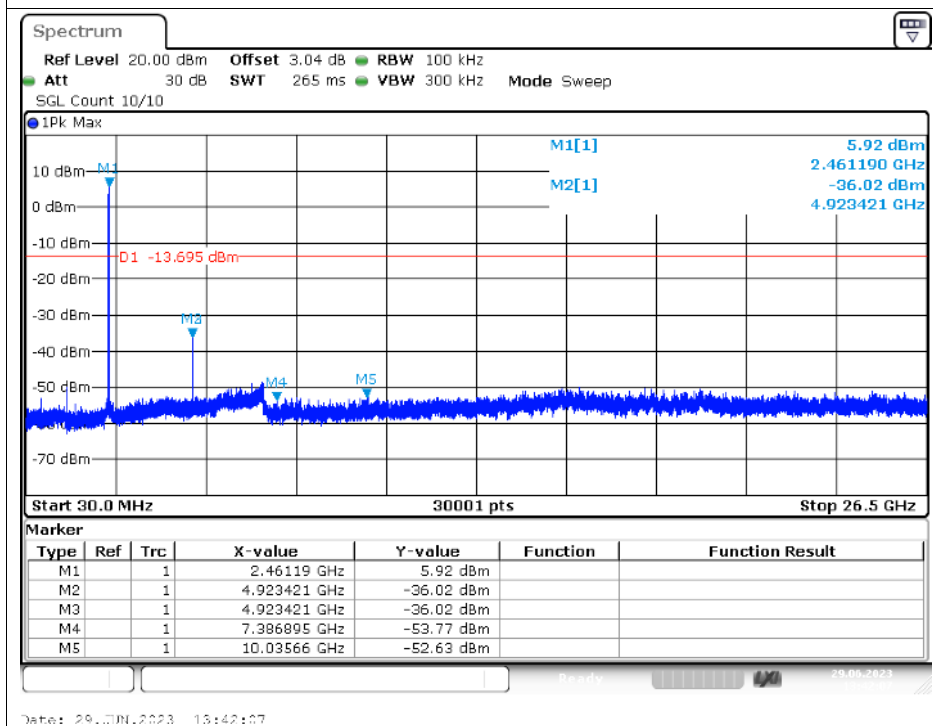
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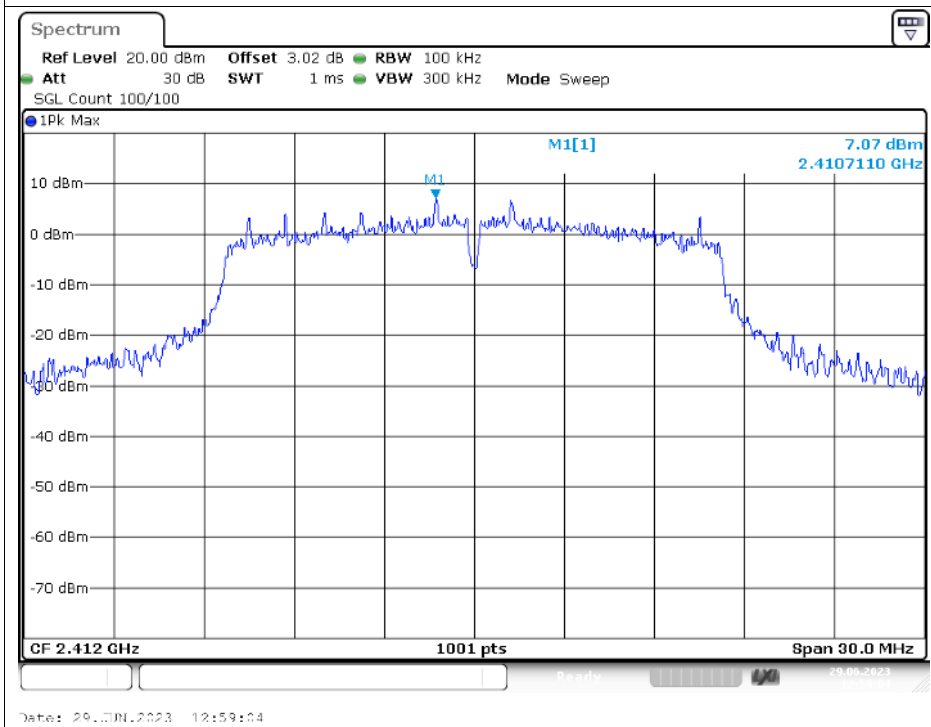
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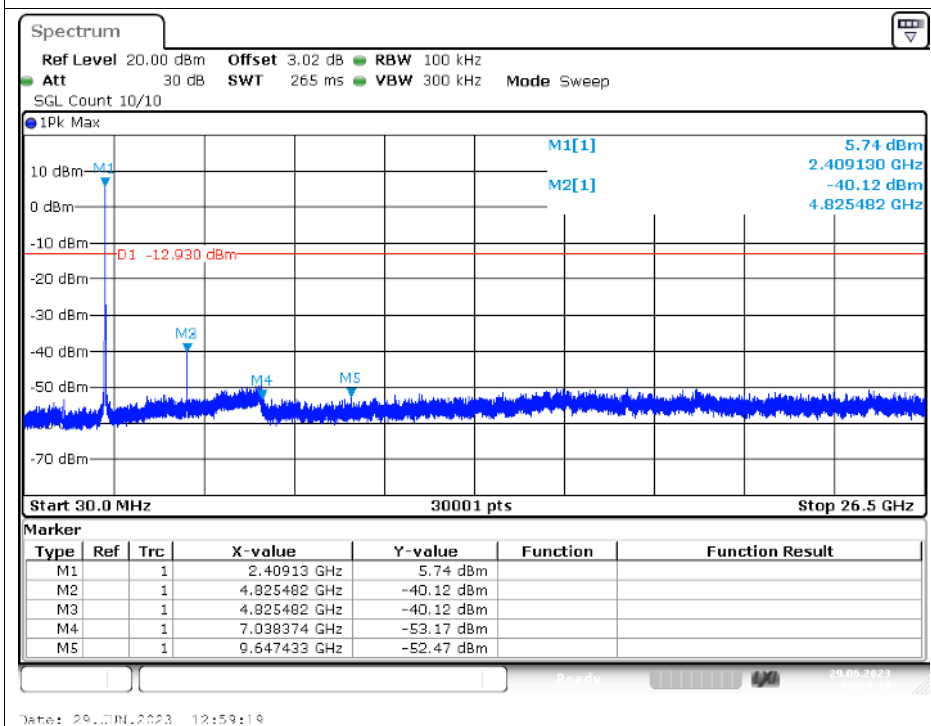
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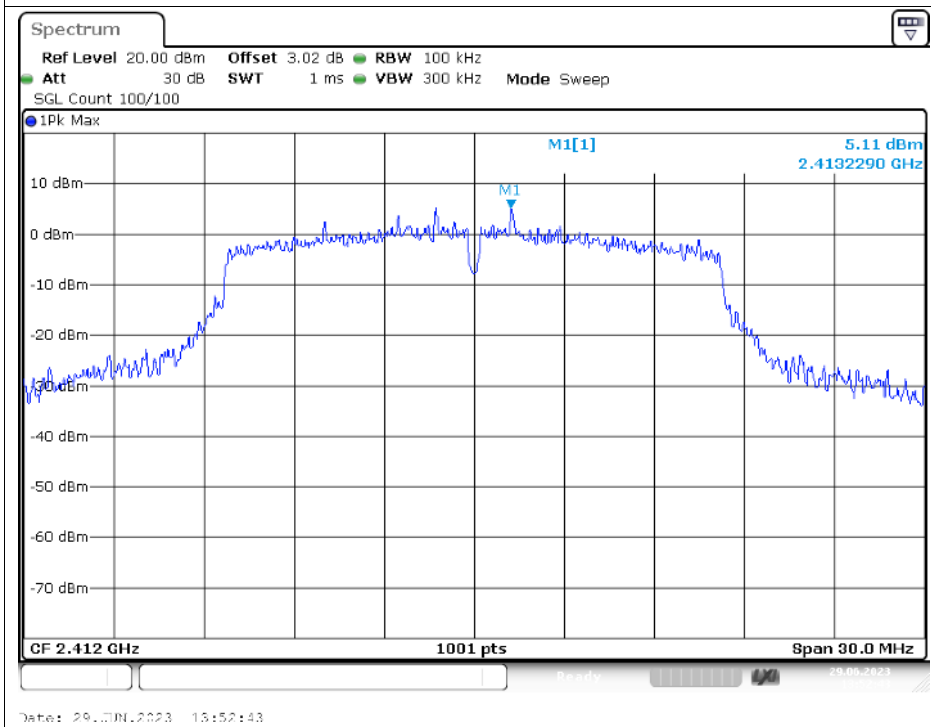
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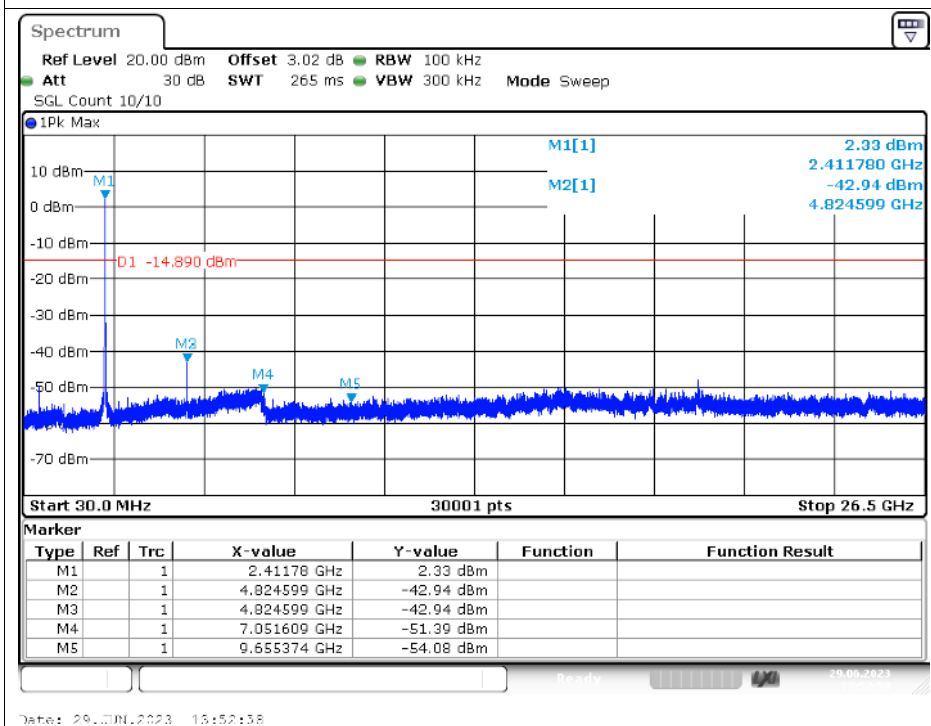
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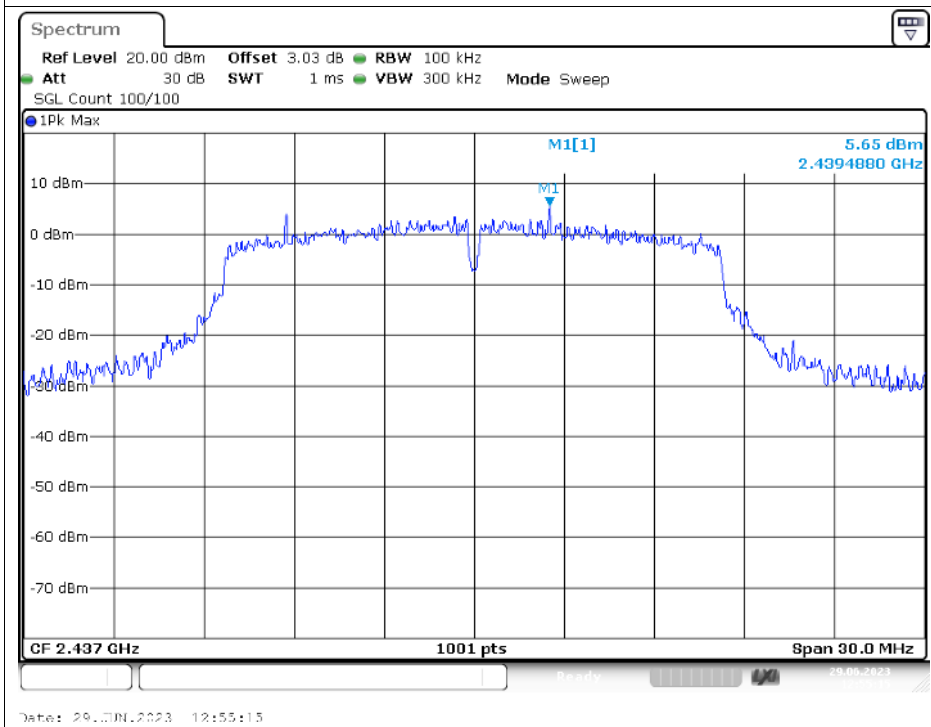
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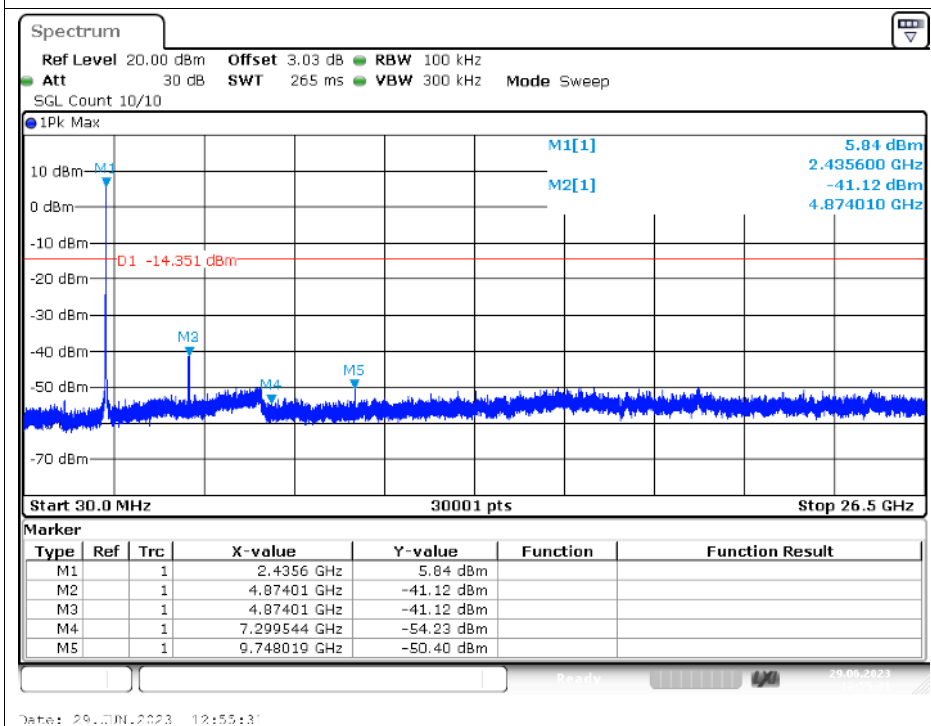
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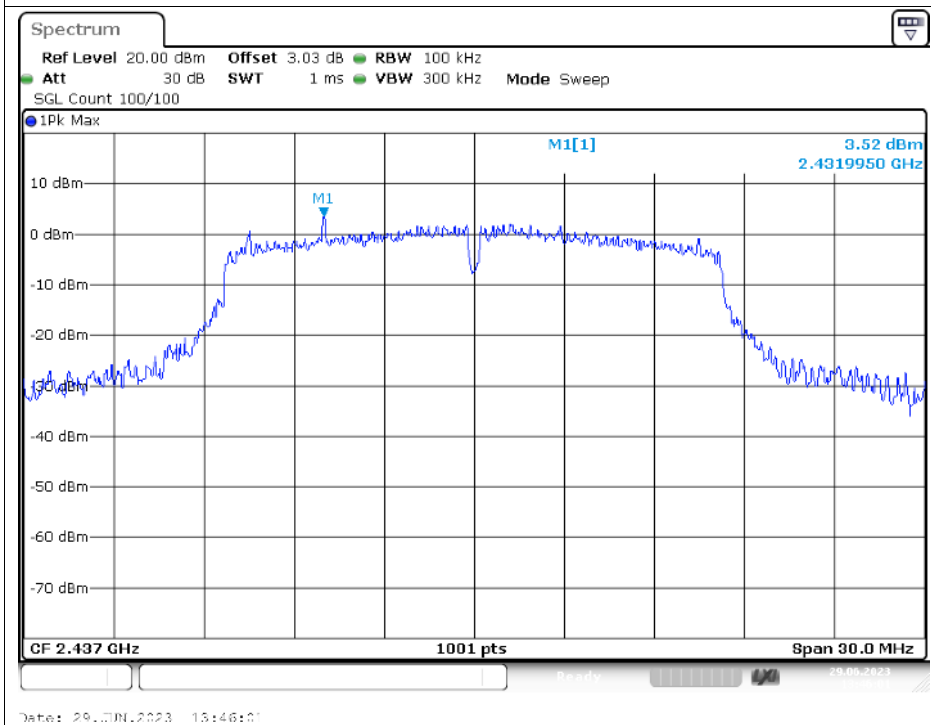
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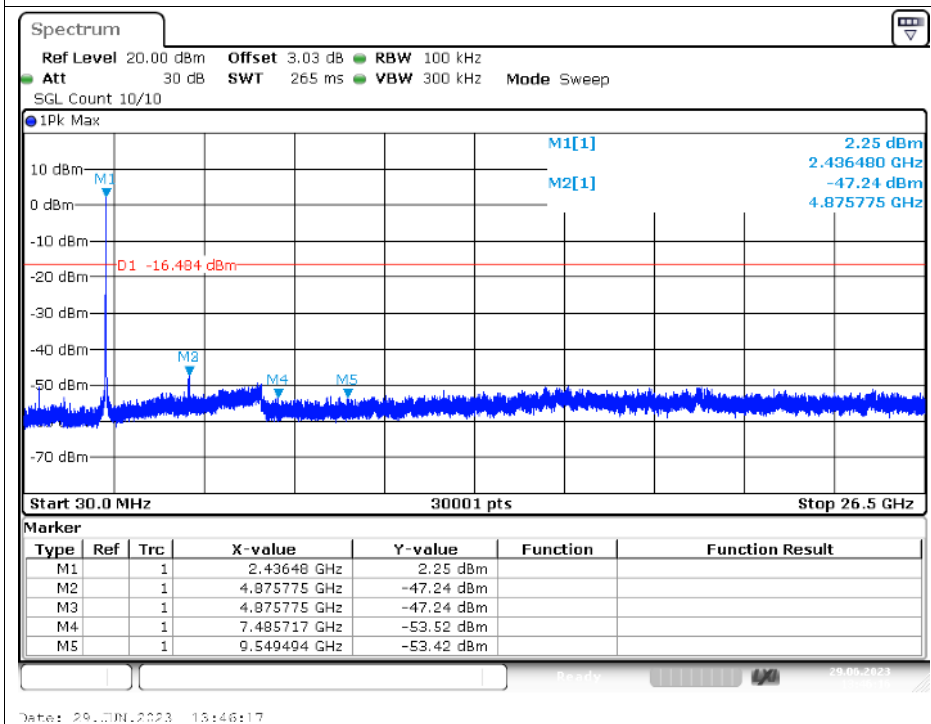
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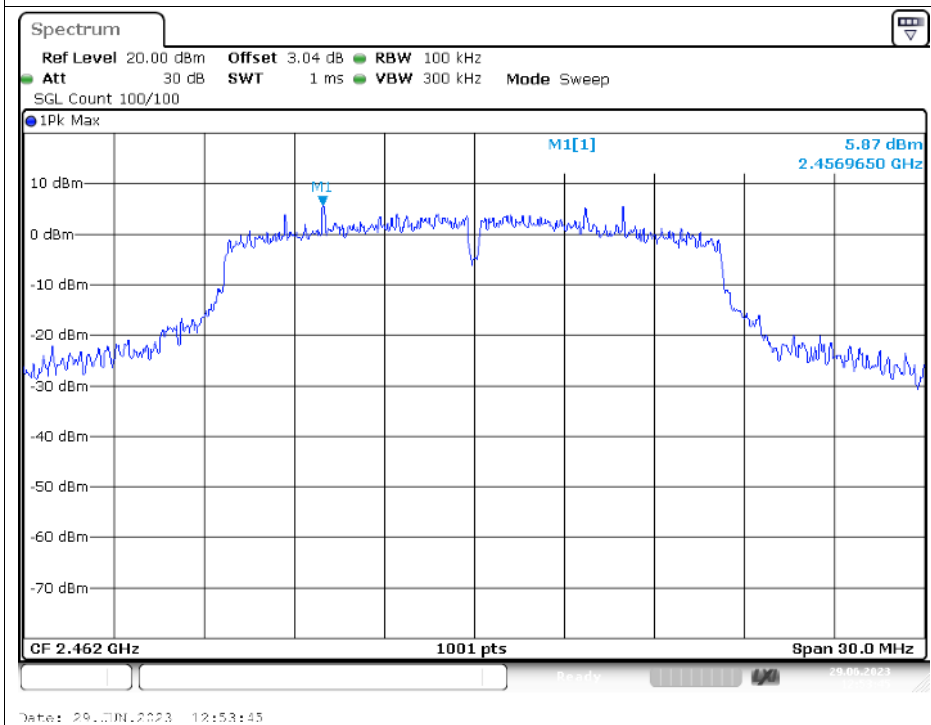
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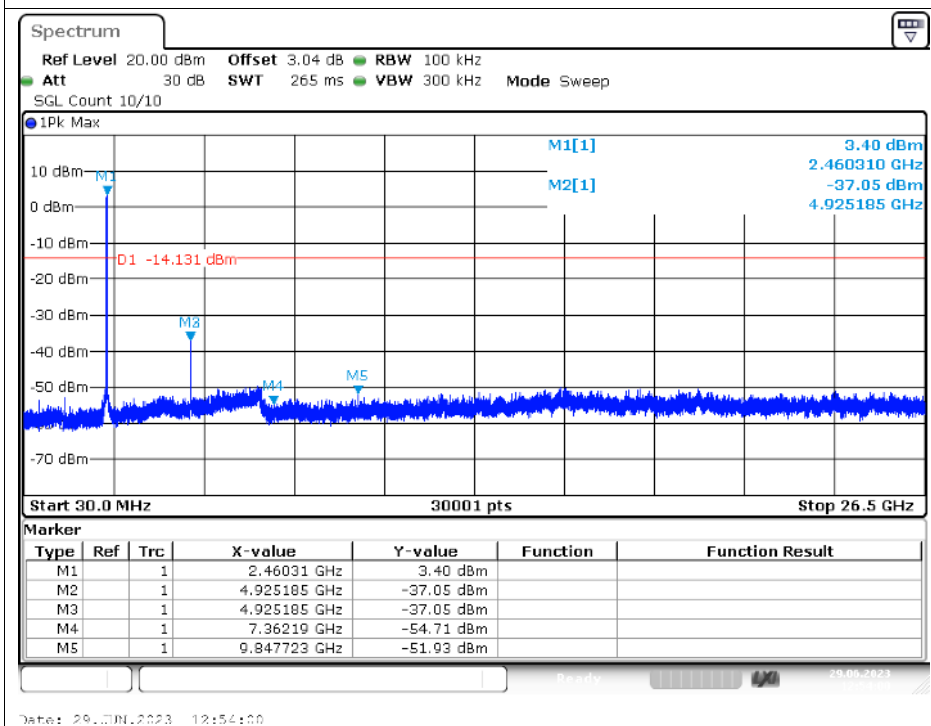
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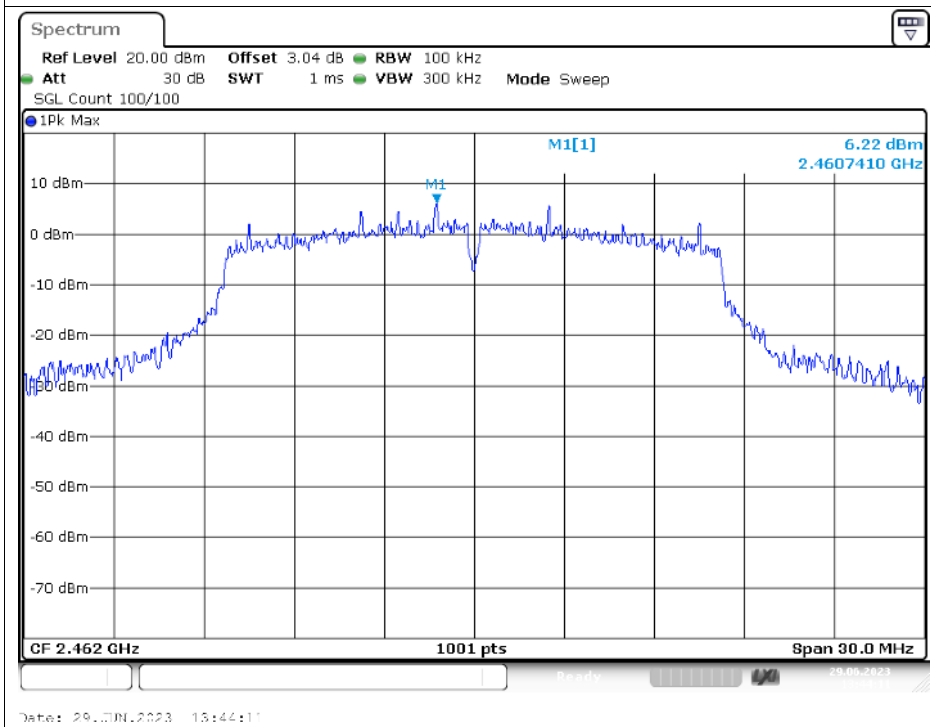
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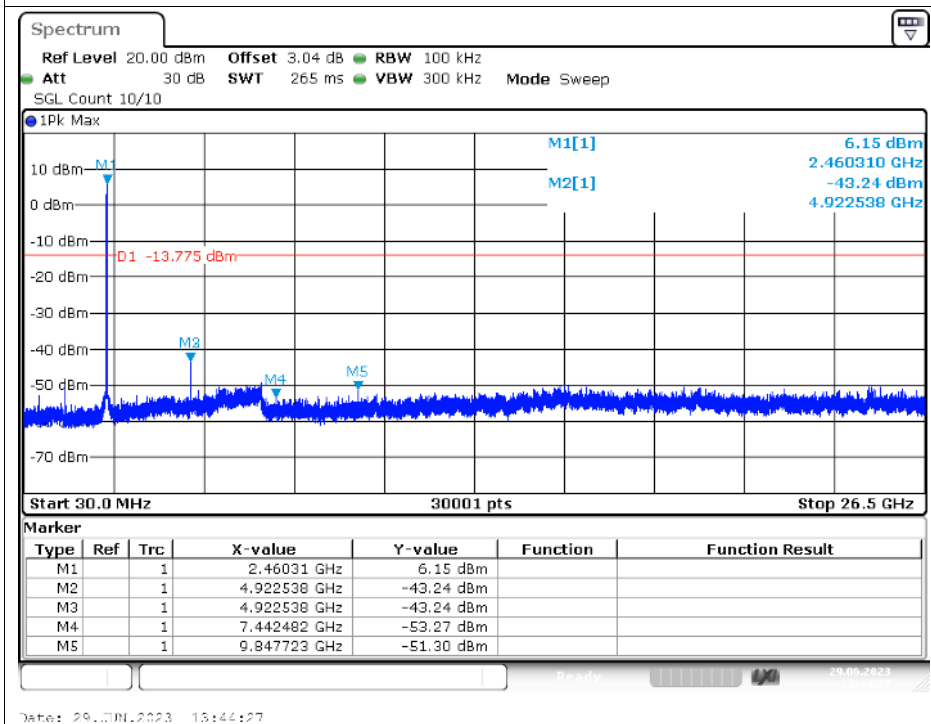
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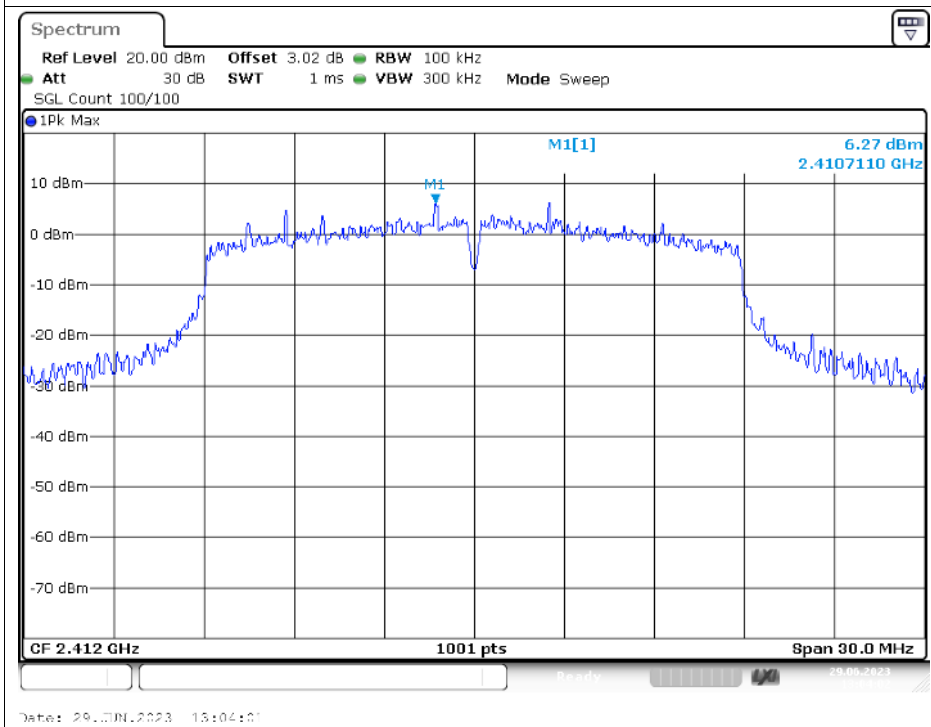
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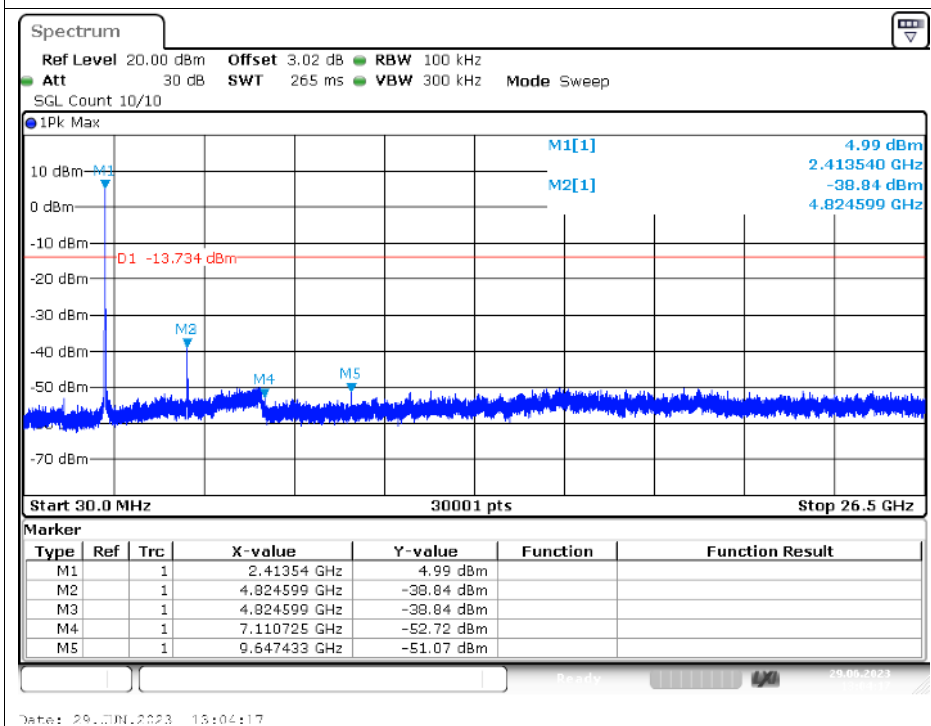
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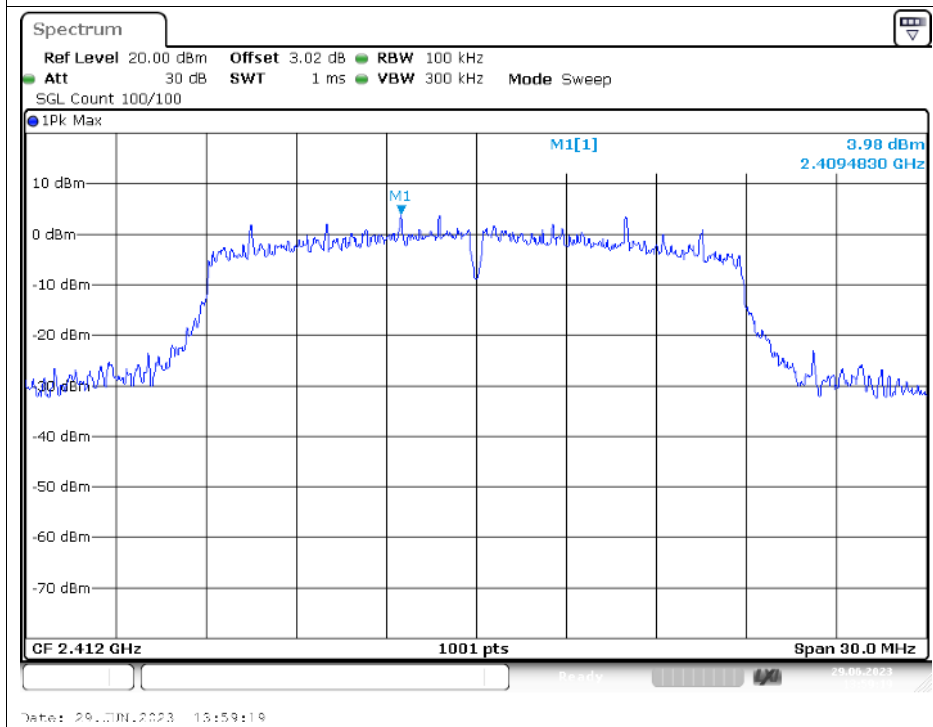
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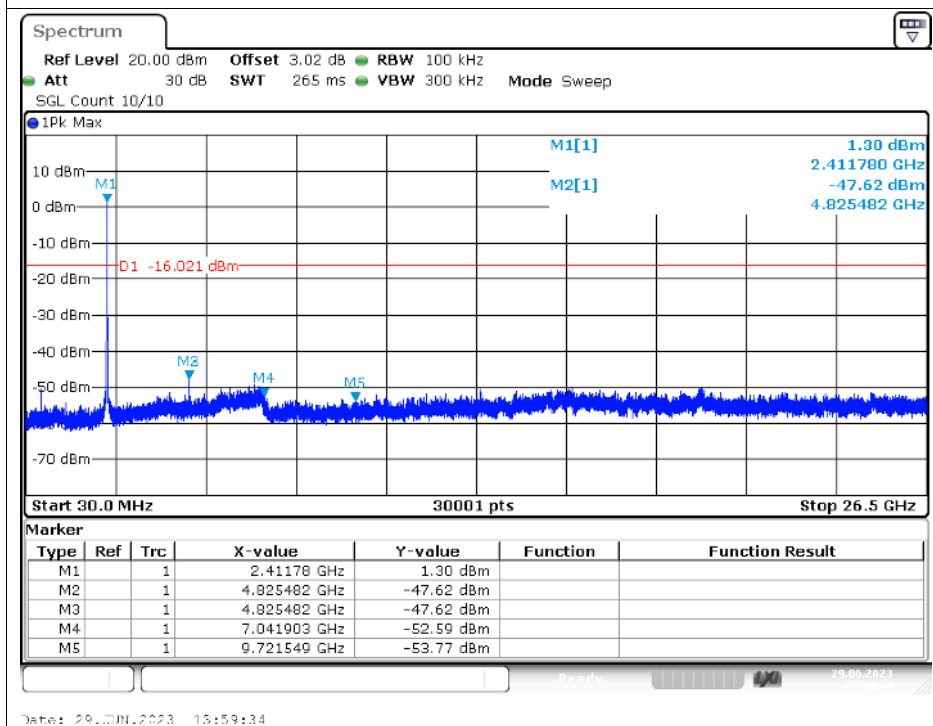
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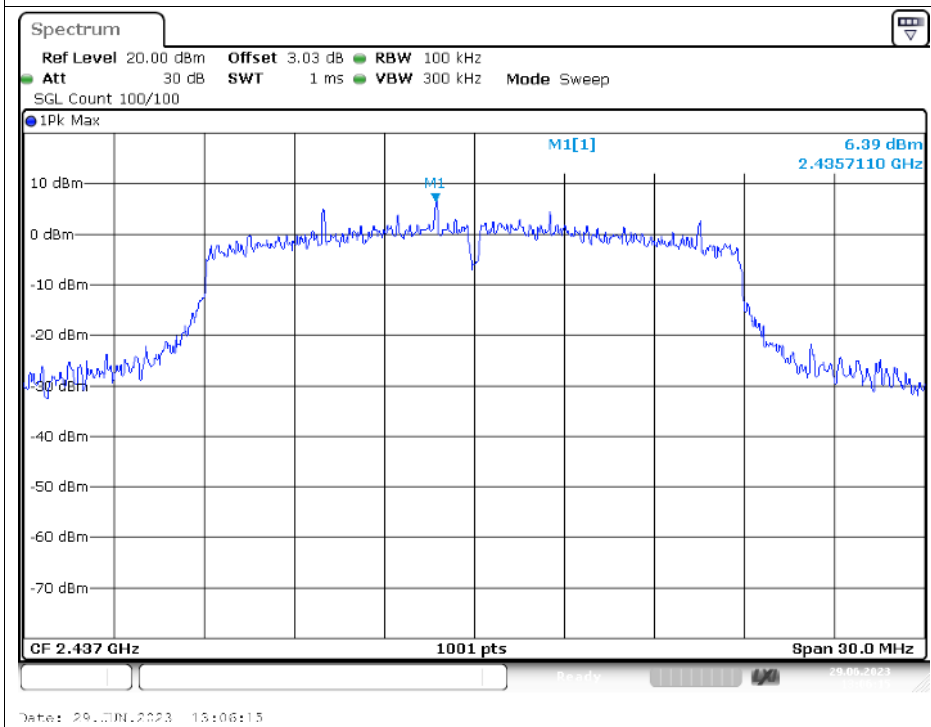
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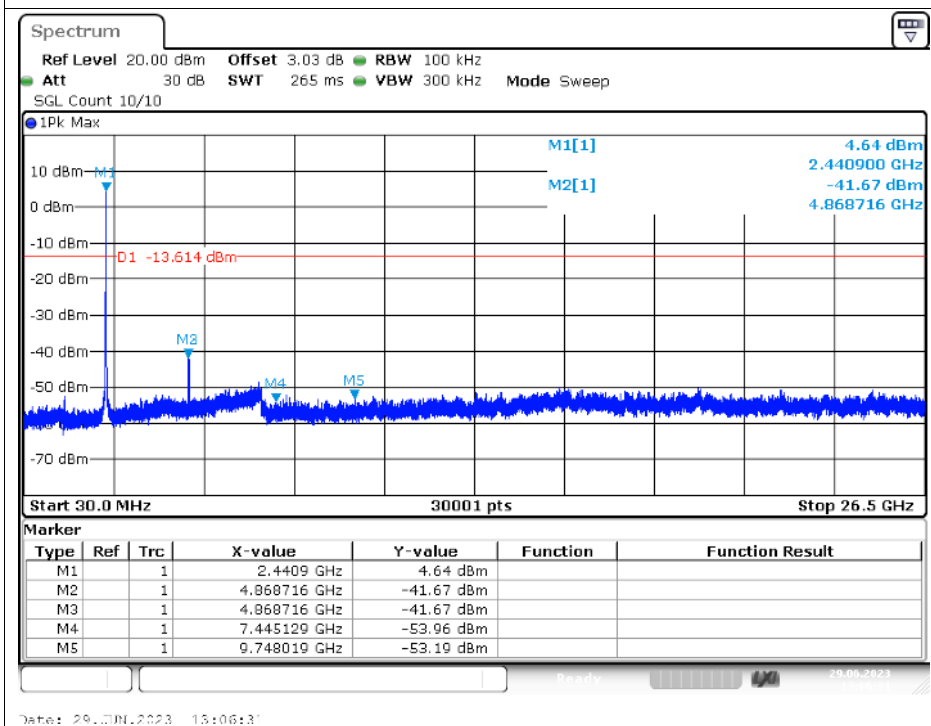
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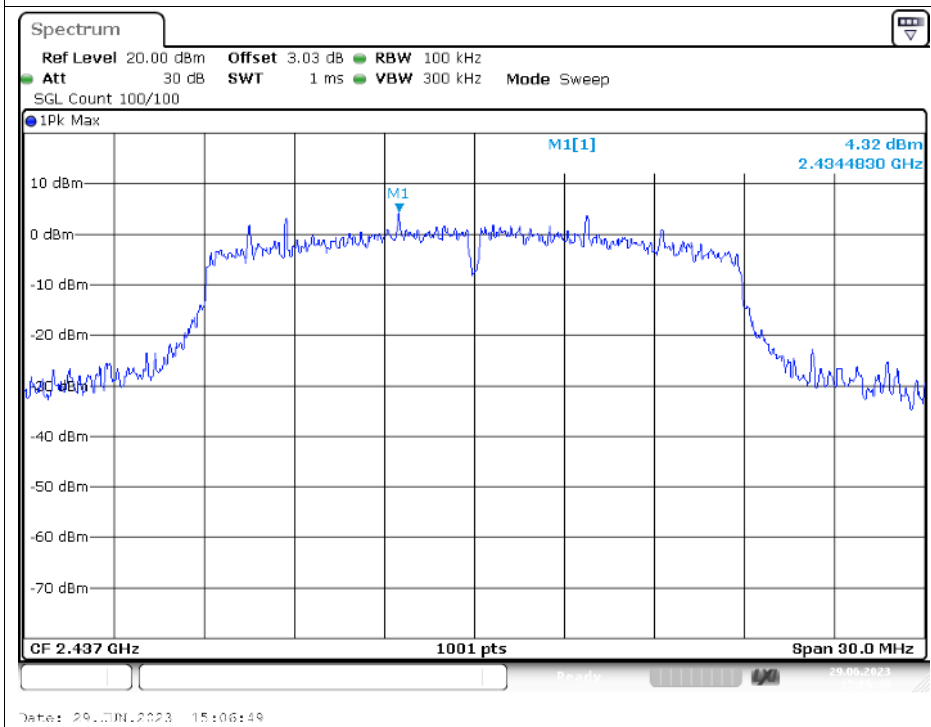
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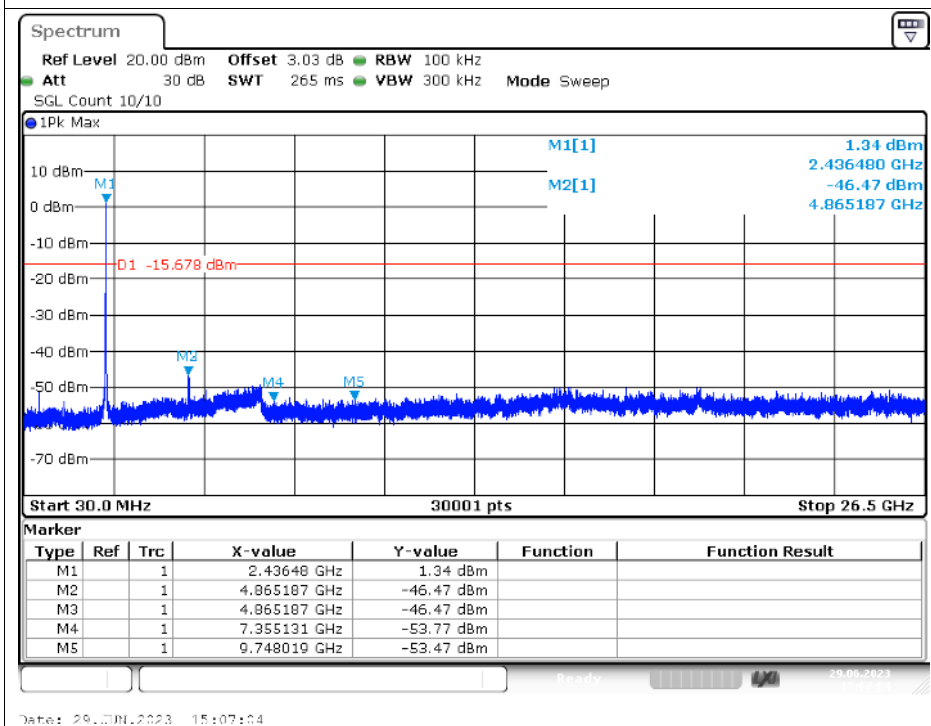
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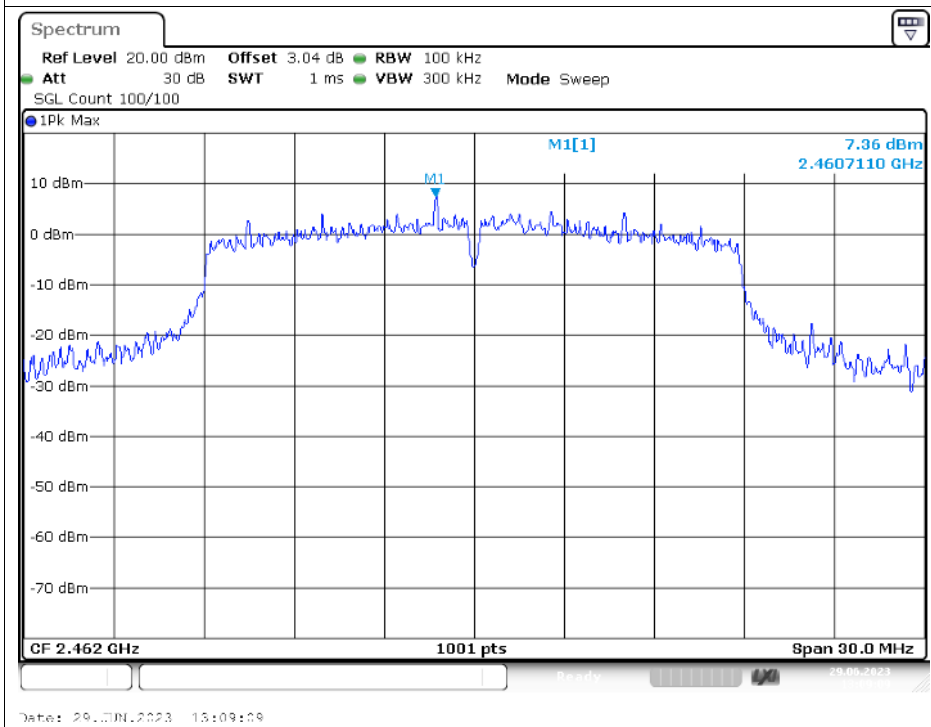
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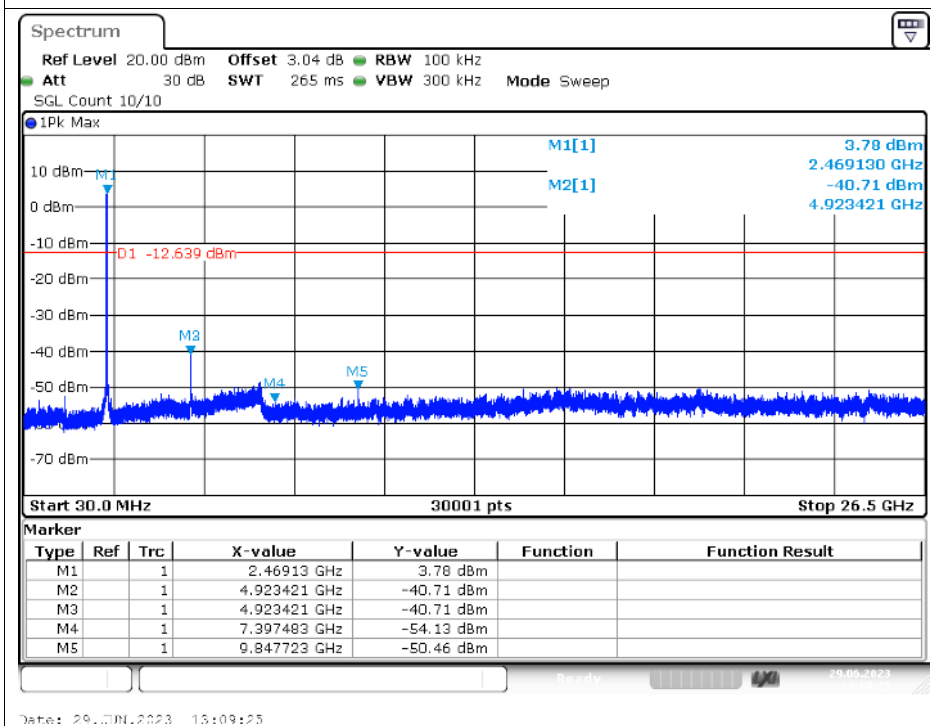
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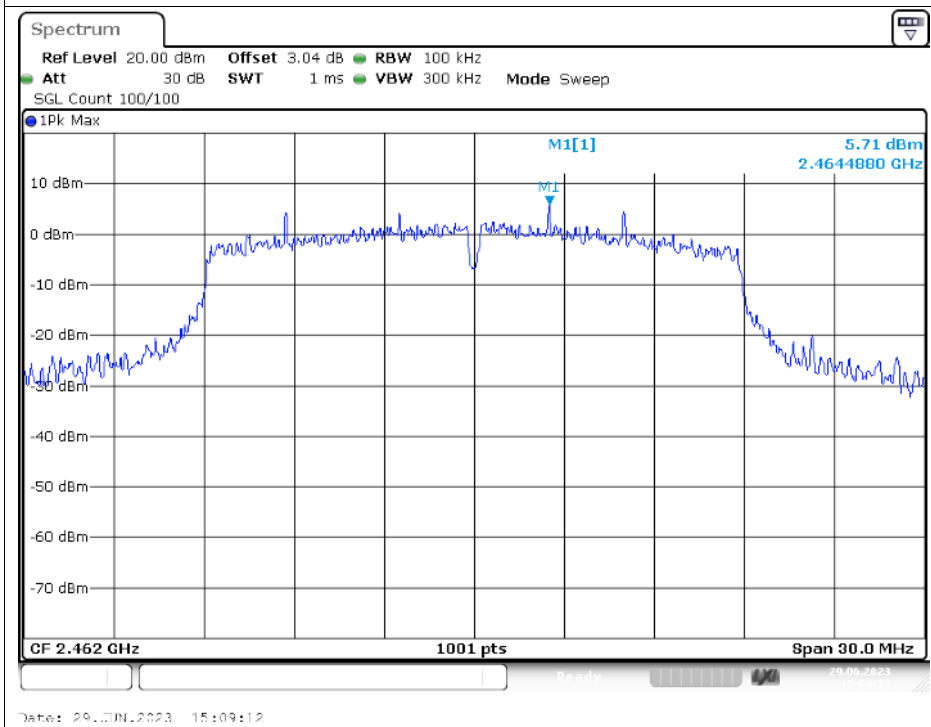
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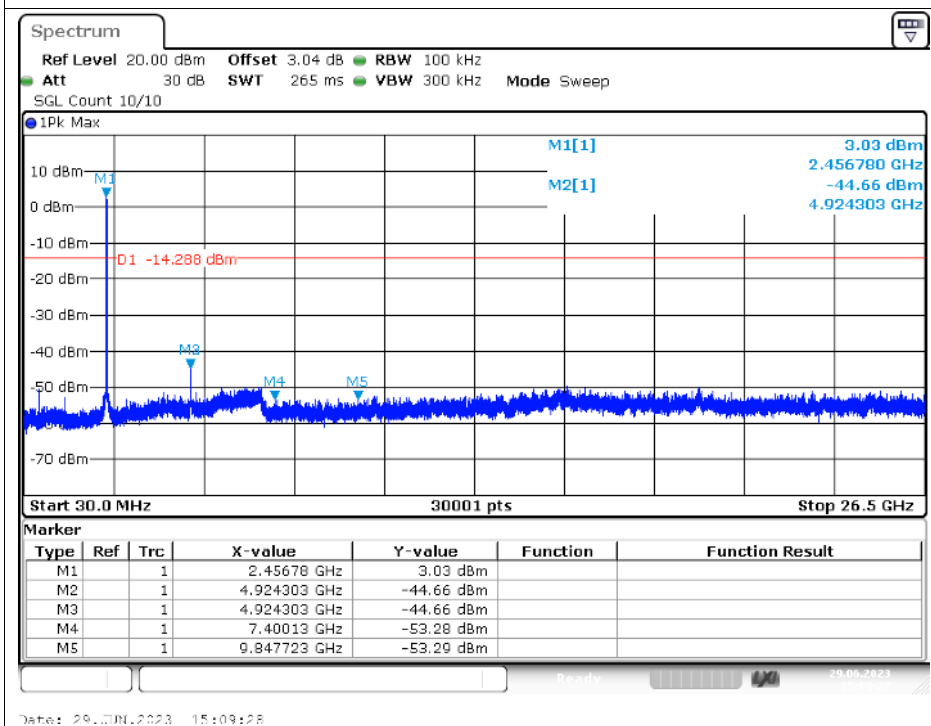
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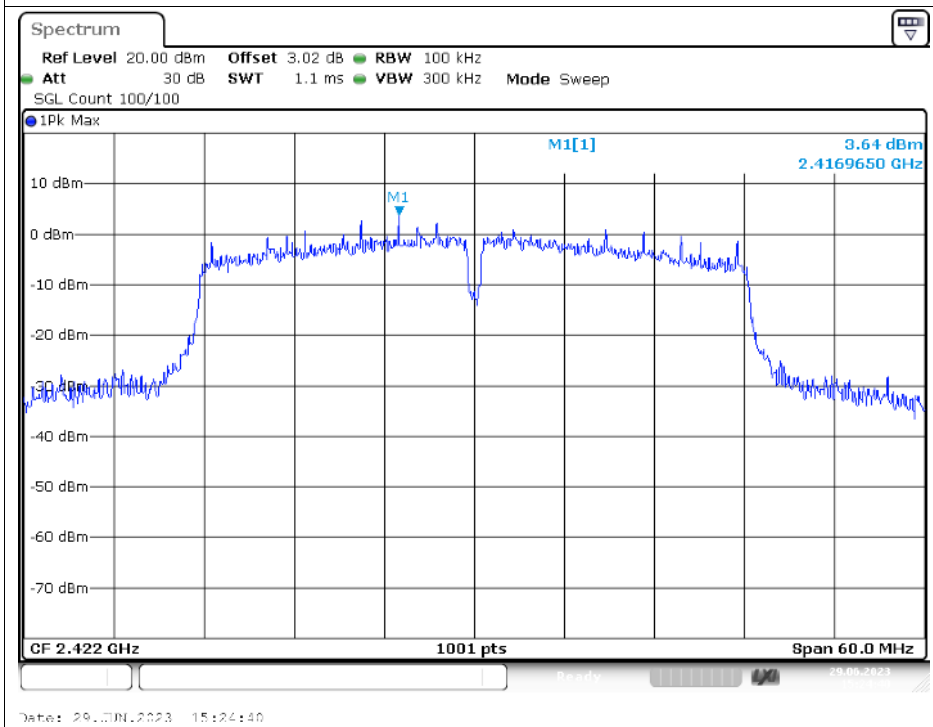
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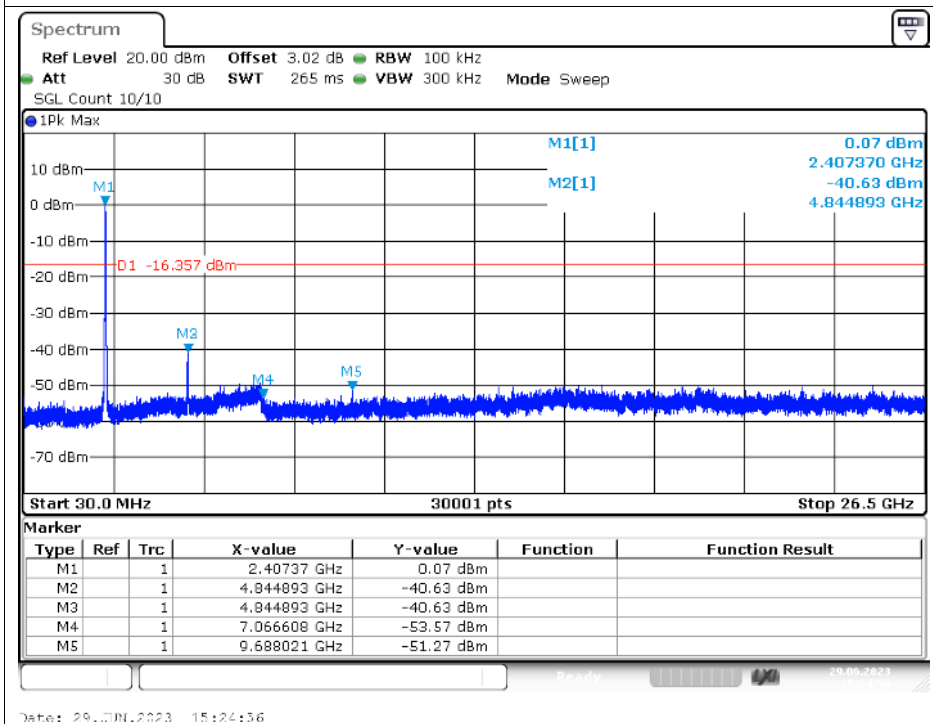
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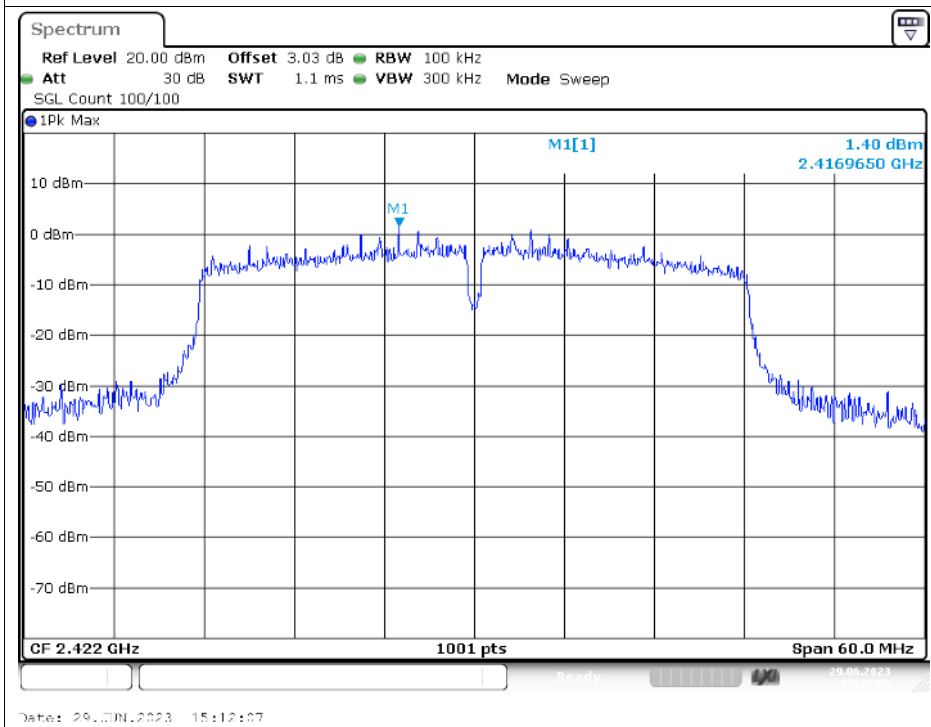
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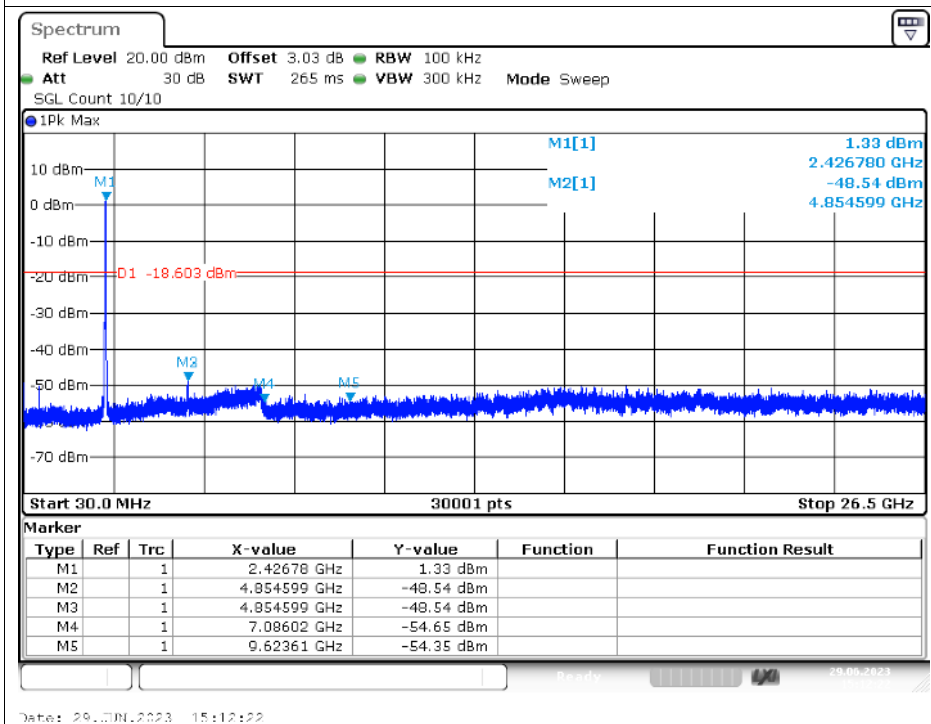
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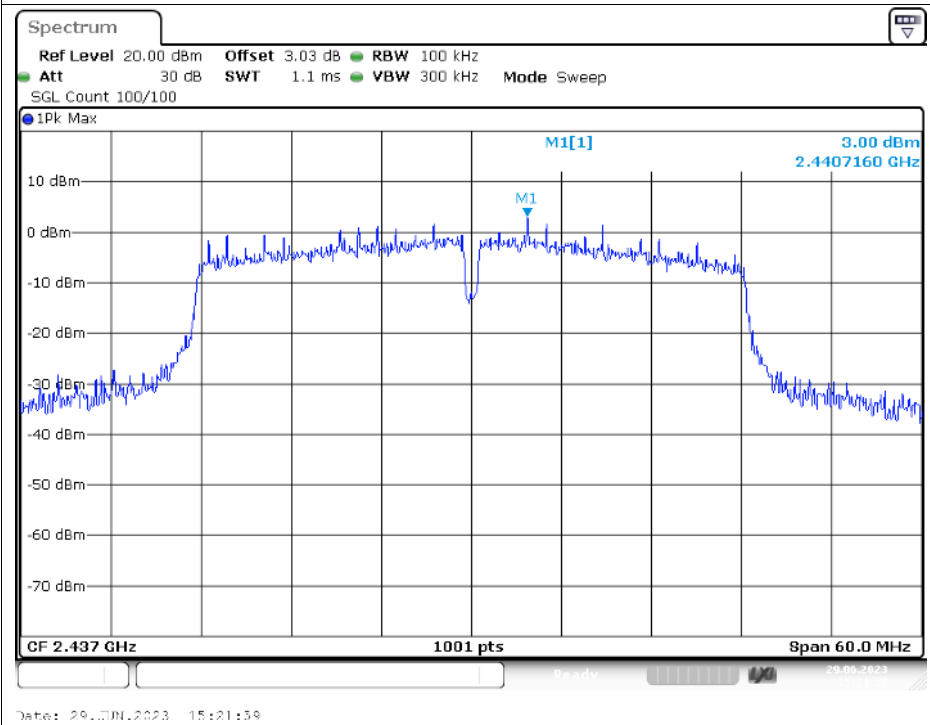
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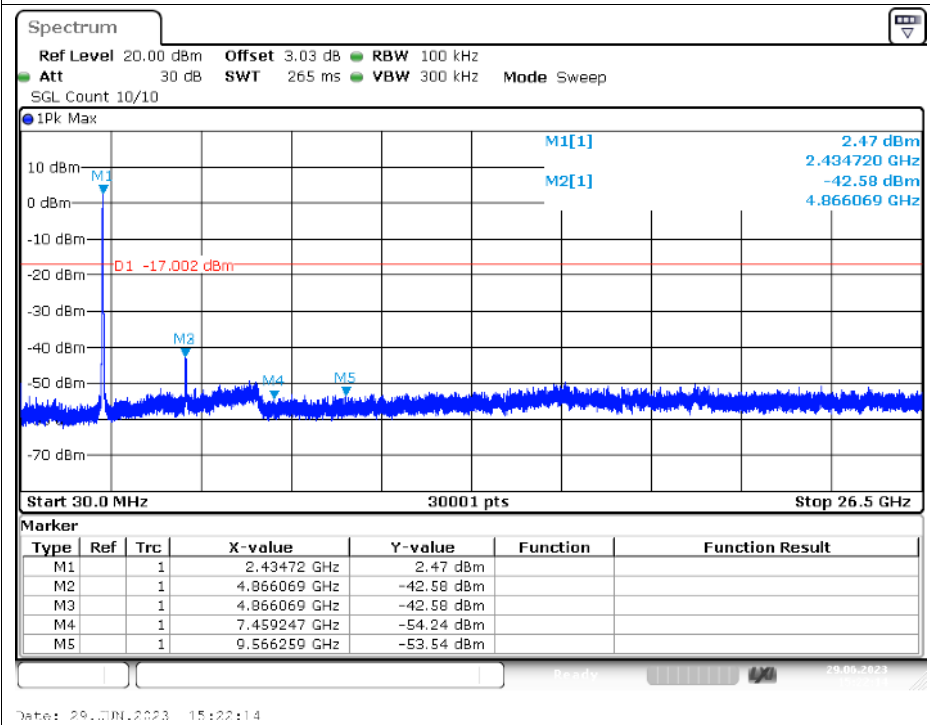
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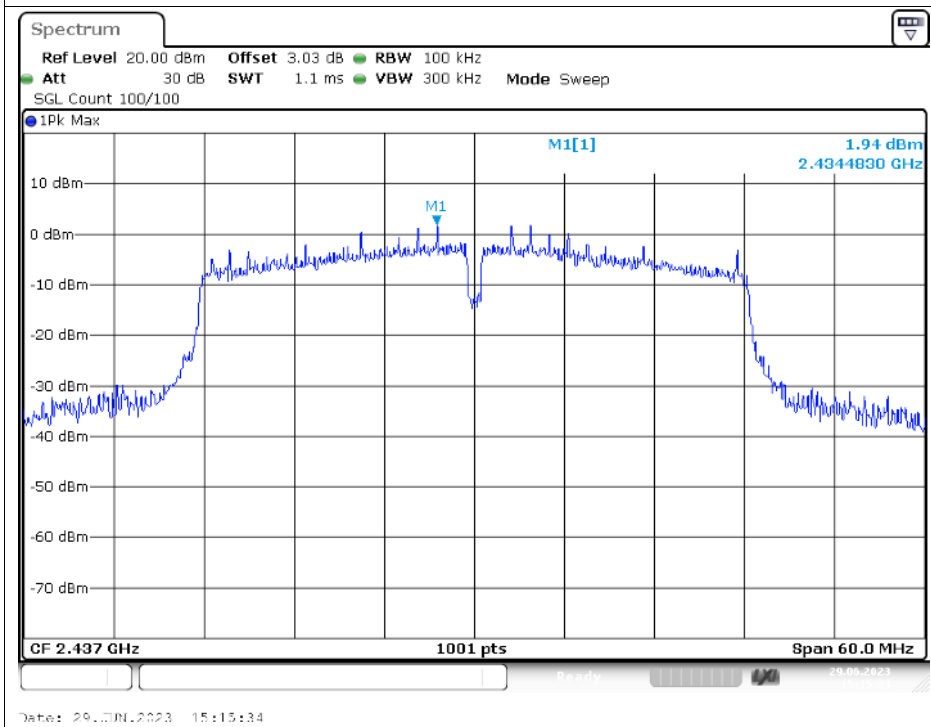
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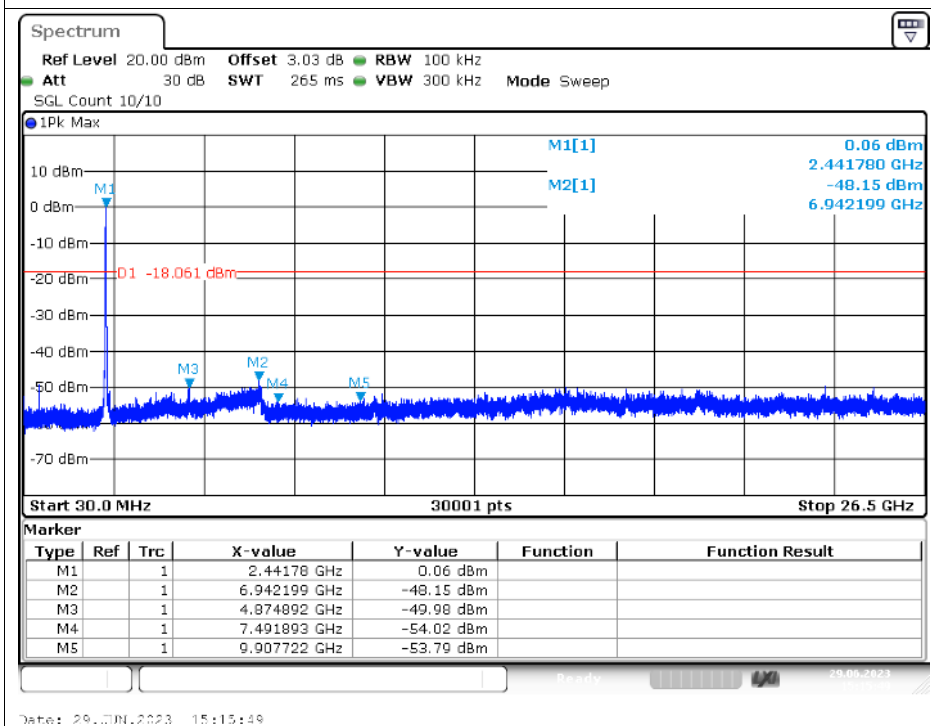
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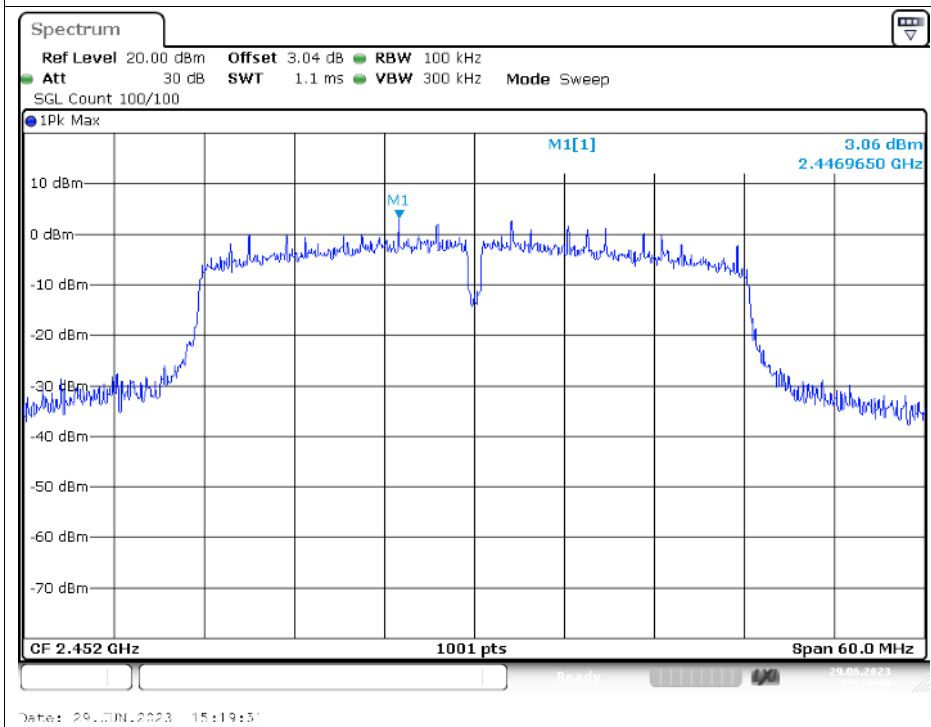
Tx. Spurious NVNT n40 2437MHz Ant2 Ref



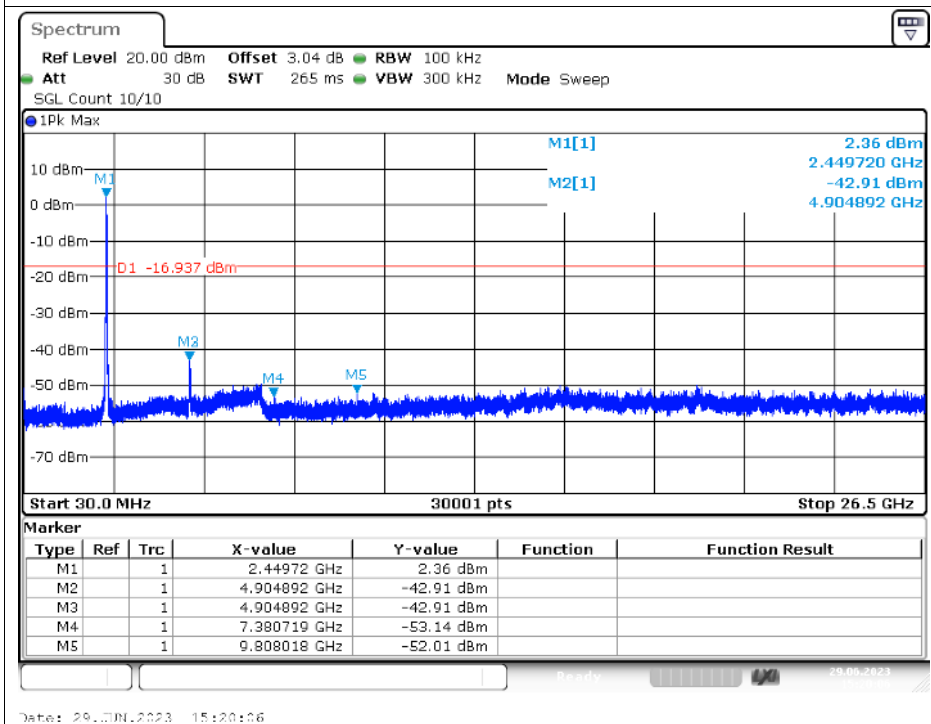
Tx. Spurious NVNT n40 2437MHz Ant2 Emission



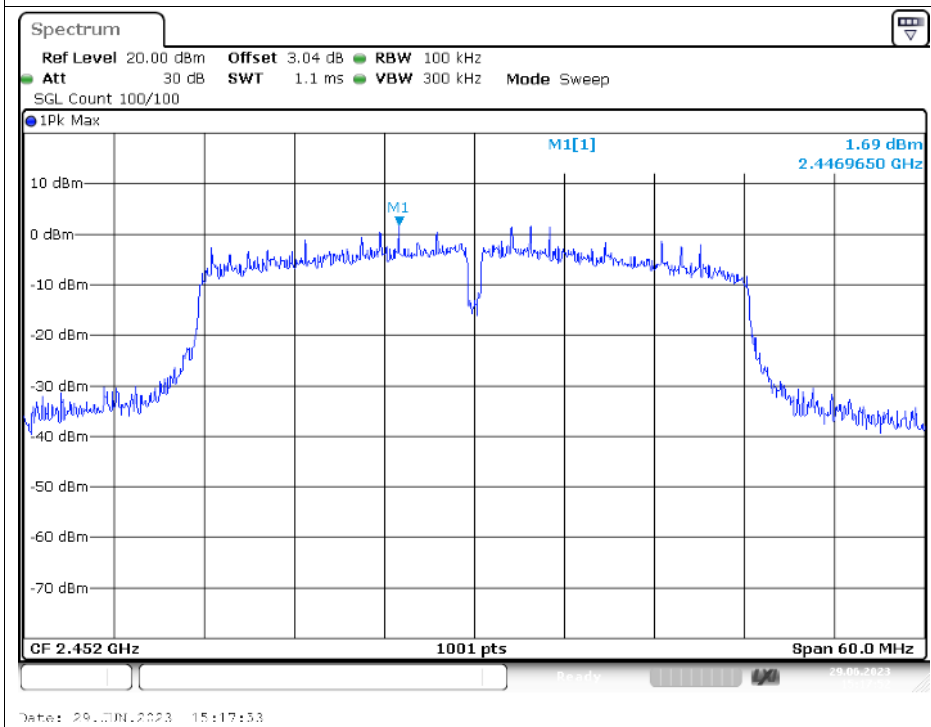
Tx. Spurious NVNT n40 2452MHz Ant1 Ref



Tx. Spurious NVNT n40 2452MHz Ant1 Emission



Tx. Spurious NVNT n40 2452MHz Ant2 Ref



Tx. Spurious NVNT n40 2452MHz Ant2 Emission

