

802.11n(HT40) 5755MHz

Detector: PK

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11510.20	55.10	16.29	14.62	32.65	53.36	74.00	-20.64	Vertical
17265.21	40.56	21.83	17.66	34.46	45.59	68.20	-22.61	Vertical
11510.08	52.85	16.29	14.62	32.65	51.11	74.00	-22.89	Horizontal
17265.03	42.18	21.83	17.66	34.46	47.21	68.20	-20.99	Horizontal

Detector: AV

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11510.31	44.66	16.29	14.62	32.65	42.92	54.00	-11.08	Vertical
17265.06	38.04	21.83	17.66	34.46	43.07	54.00	-10.93	Vertical
11510.19	44.40	16.29	14.62	32.65	42.66	54.00	-11.34	Horizontal
17265.07	36.90	21.83	17.66	34.46	41.93	54.00	-12.07	Horizontal

802.11n(HT40) 5795MHz

Detector: PK

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11590.17	55.32	16.29	14.62	32.65	53.58	74.00	-20.42	Vertical
17385.02	43.64	21.83	17.66	34.46	48.67	68.20	-19.53	Vertical
11590.22	54.53	16.29	14.62	32.65	52.79	74.00	-21.21	Horizontal
17385.13	43.31	21.83	17.66	34.46	48.34	68.20	-19.86	Horizontal

Detector: AV

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11590.30	43.23	16.29	14.62	32.65	41.49	54.00	-12.51	Vertical
17385.08	37.00	21.83	17.66	34.46	42.03	54.00	-11.97	Vertical
11590.17	47.05	16.29	14.62	32.65	45.31	54.00	-8.69	Horizontal
17385.10	38.88	21.83	17.66	34.46	43.91	54.00	-10.09	Horizontal

802.11ac(VHT40) 5755MHz

Detector: PK

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11510.22	53.89	16.29	14.62	32.65	52.15	74.00	-21.85	Vertical
17265.02	41.64	21.83	17.66	34.46	46.67	68.20	-21.53	Vertical
11510.23	54.29	16.29	14.62	32.65	52.55	74.00	-21.45	Horizontal
17265.01	41.69	21.83	17.66	34.46	46.72	68.20	-21.48	Horizontal

Detector: AV

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11510.13	44.23	16.29	14.62	32.65	42.49	54.00	-11.51	Vertical
17265.17	37.50	21.83	17.66	34.46	42.53	54.00	-11.47	Vertical
11510.24	44.89	16.29	14.62	32.65	43.15	54.00	-10.85	Horizontal
17265.21	37.05	21.83	17.66	34.46	42.08	54.00	-11.92	Horizontal

802.11ac(VHT40) 5795MHz

Detector: PK

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11590.11	55.19	16.29	14.62	32.65	53.45	74.00	-20.55	Vertical
17385.07	43.03	21.83	17.66	34.46	48.06	68.20	-20.14	Vertical
11590.24	54.56	16.29	14.62	32.65	52.82	74.00	-21.18	Horizontal
17385.28	41.56	21.83	17.66	34.46	46.59	68.20	-21.61	Horizontal

Detector: AV

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11590.01	43.95	16.29	14.62	32.65	42.21	54.00	-11.79	Vertical
17385.21	40.32	21.83	17.66	34.46	45.35	54.00	-8.65	Vertical
11590.12	45.26	16.29	14.62	32.65	43.52	54.00	-10.48	Horizontal
17385.15	38.82	21.83	17.66	34.46	43.85	54.00	-10.15	Horizontal

802.11ax(HE40) 5755MHz

Detector: PK

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11510.29	55.30	16.29	14.62	32.65	53.56	74.00	-20.44	Vertical
17265.01	43.79	21.83	17.66	34.46	48.82	68.20	-19.38	Vertical
11510.27	55.33	16.29	14.62	32.65	53.59	74.00	-20.41	Horizontal
17265.06	40.82	21.83	17.66	34.46	45.85	68.20	-22.35	Horizontal

Detector: AV

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11510.13	44.46	16.29	14.62	32.65	42.72	54.00	-11.28	Vertical
17265.12	39.74	21.83	17.66	34.46	44.77	54.00	-9.23	Vertical
11510.26	44.02	16.29	14.62	32.65	42.28	54.00	-11.72	Horizontal
17265.21	36.83	21.83	17.66	34.46	41.86	54.00	-12.14	Horizontal

802.11ax(HE40) 5795MHz

Detector: PK

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11590.23	55.21	16.29	14.62	32.65	53.47	74.00	-20.53	Vertical
17385.03	42.35	21.83	17.66	34.46	47.38	68.20	-20.82	Vertical
11590.08	53.68	16.29	14.62	32.65	51.94	74.00	-22.06	Horizontal
17385.31	42.20	21.83	17.66	34.46	47.23	68.20	-20.97	Horizontal

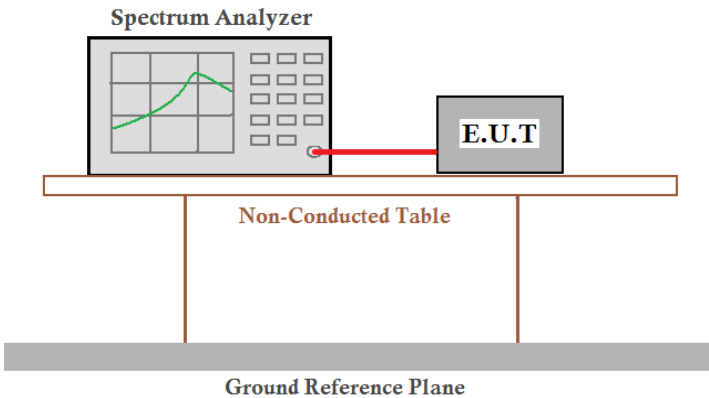
Detector: AV

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
11590.01	45.04	16.29	14.62	32.65	43.30	54.00	-10.70	Vertical
17385.03	39.48	21.83	17.66	34.46	44.51	54.00	-9.49	Vertical
11590.23	45.44	16.29	14.62	32.65	43.70	54.00	-10.30	Horizontal
17385.07	39.69	21.83	17.66	34.46	44.72	54.00	-9.28	Horizontal

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

4.10 Conducted Spurious Emission

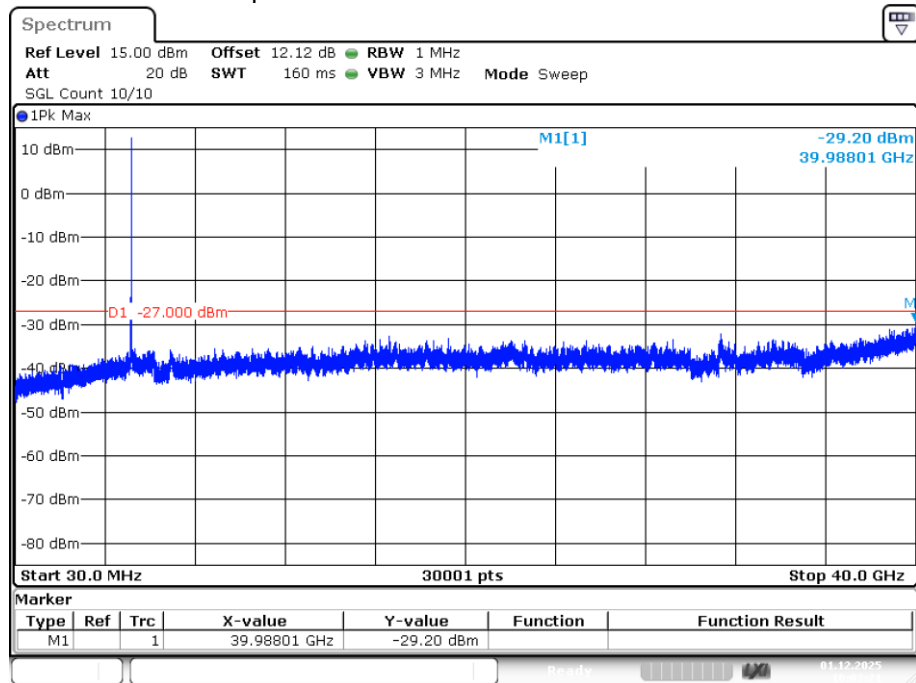
Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	- For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. - For transmitters operating solely in the 5.725-5.850 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test procedure:	The procedure for peak unwanted emissions measurements above 1000 MHz is as follows: - Peak emission levels are measured by setting the instrument as follows: - RBW = 1 MHz. - VBW $\geq [3 \times \text{RBW}]$. - Detector = peak. - Sweep time = auto. - Trace mode = max hold. - Allow sweeps to continue until the trace stabilizes.
Test results:	Pass

U-NII 1

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5180	Ant1	-29.2	-27	Pass
NVNT	a	5200	Ant1	-30.41	-27	Pass
NVNT	a	5240	Ant1	-30.04	-27	Pass
NVNT	ac20	5180	Ant1	-29.76	-27	Pass
NVNT	ac20	5200	Ant1	-29.58	-27	Pass
NVNT	ac20	5240	Ant1	-30.36	-27	Pass
NVNT	ac40	5190	Ant1	-29.62	-27	Pass
NVNT	ac40	5230	Ant1	-30.43	-27	Pass
NVNT	ax20	5180	Ant1	-35.94	-27	Pass
NVNT	ax20	5200	Ant1	-33.99	-27	Pass
NVNT	ax20	5240	Ant1	-34.51	-27	Pass
NVNT	ax40	5190	Ant1	-36.85	-27	Pass
NVNT	ax40	5230	Ant1	-33.73	-27	Pass
NVNT	n20	5180	Ant1	-30.89	-27	Pass
NVNT	n20	5200	Ant1	-30.32	-27	Pass
NVNT	n20	5240	Ant1	-30.06	-27	Pass
NVNT	n40	5190	Ant1	-29.62	-27	Pass
NVNT	n40	5230	Ant1	-29.59	-27	Pass

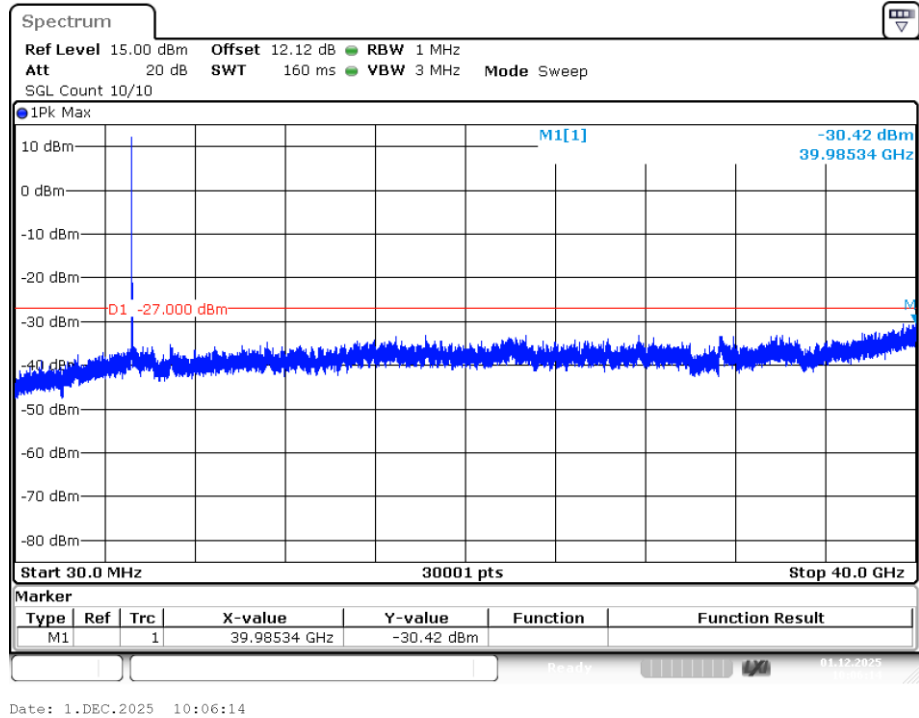
Note: The margin is at least greater than the antenna gain plus the cable loss.

Tx. Spurious NVNT a 5180MHz Ant1 Emission

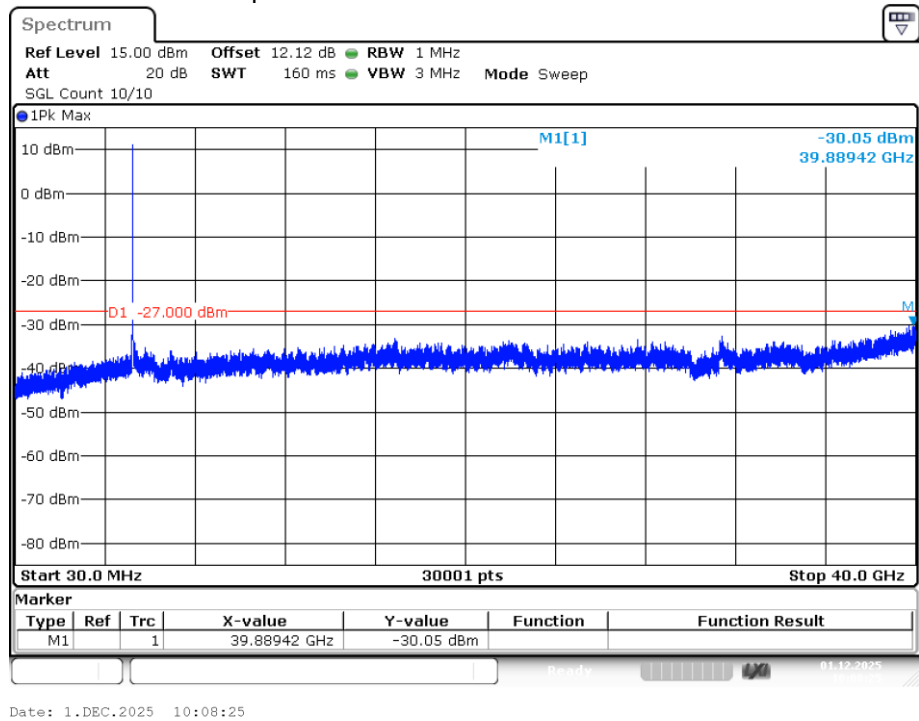


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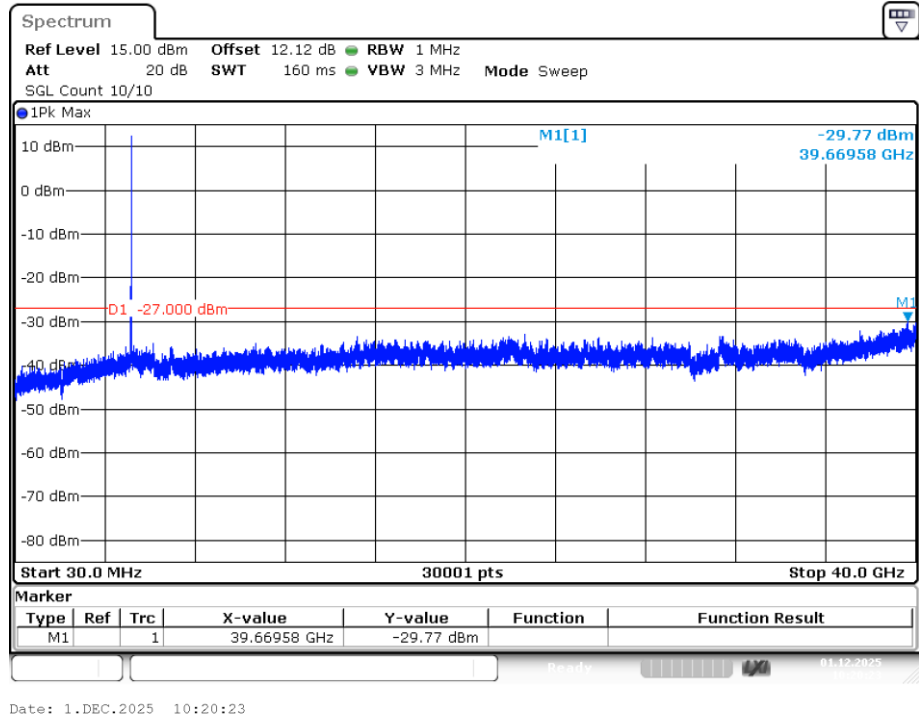
Tx. Spurious NVNT a 5200MHz Ant1 Emission



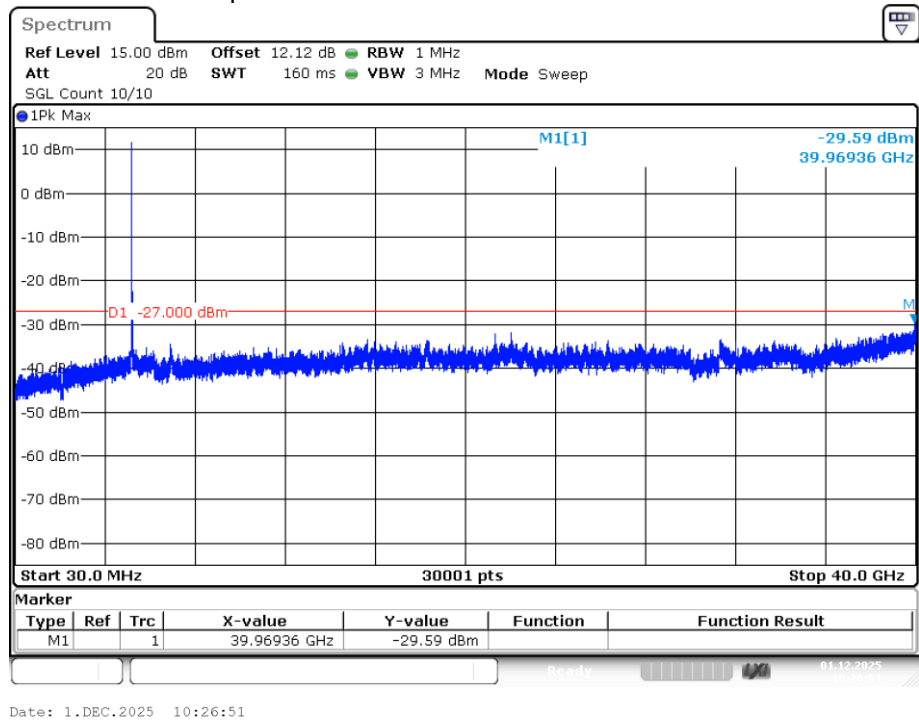
Tx. Spurious NVNT a 5240MHz Ant1 Emission



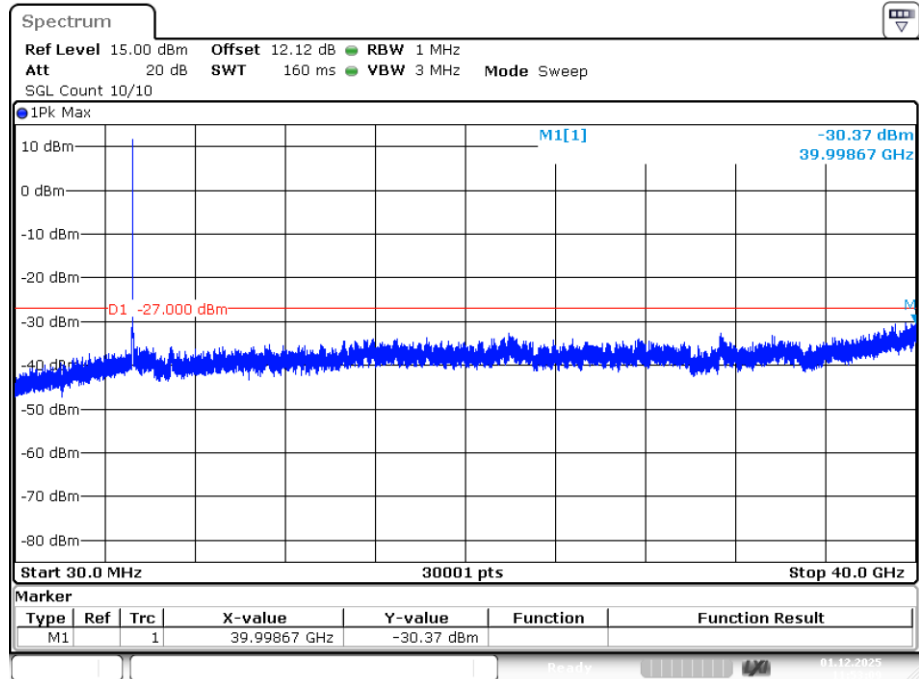
Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



Tx. Spurious NVNT ac20 5200MHz Ant1 Emission

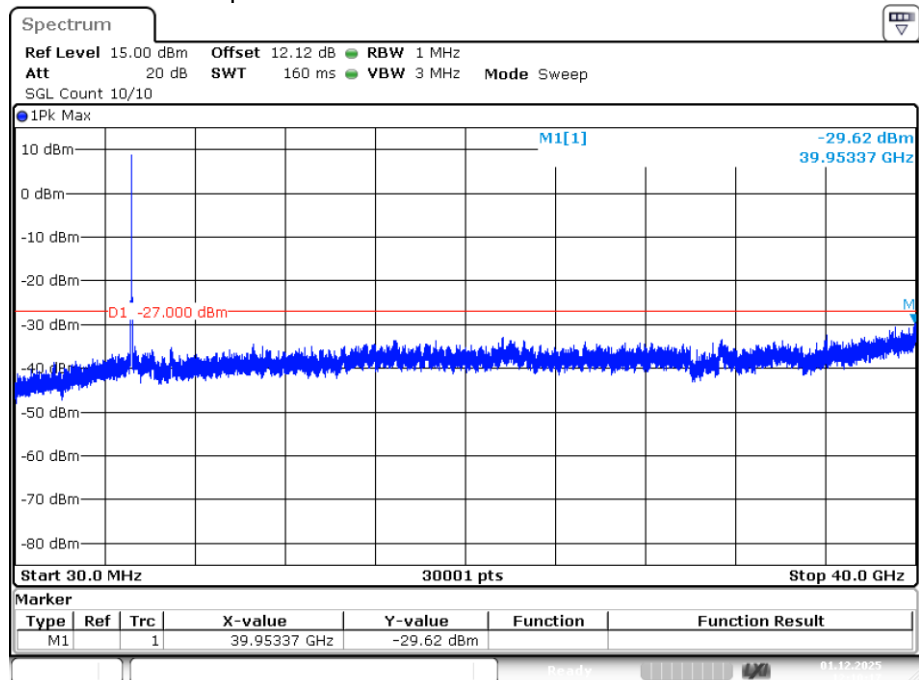


Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



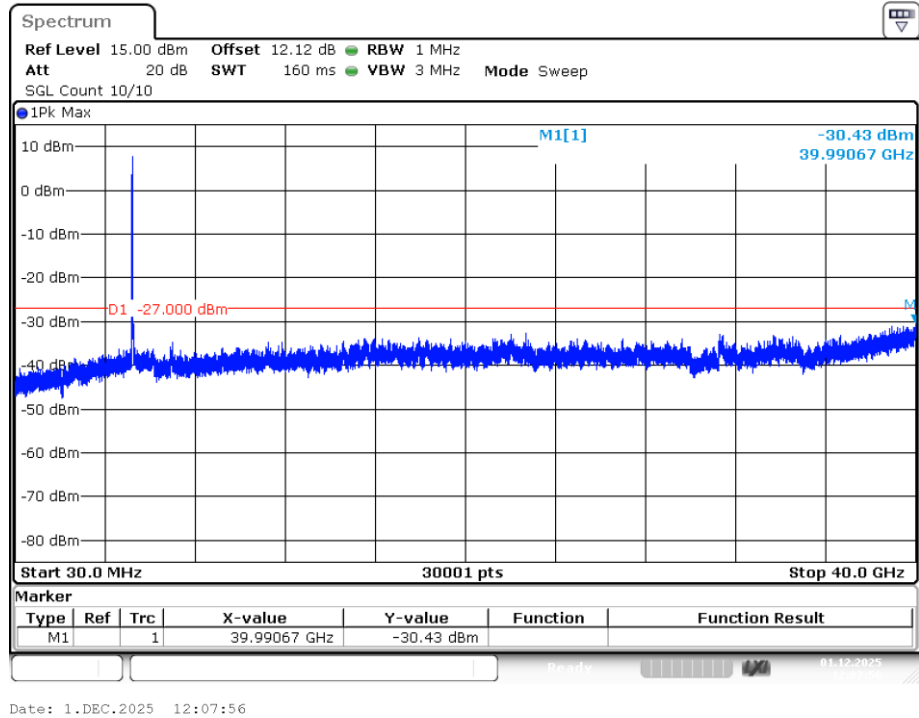
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Tx. Spurious NVNT ac40 5190MHz Ant1 Emission

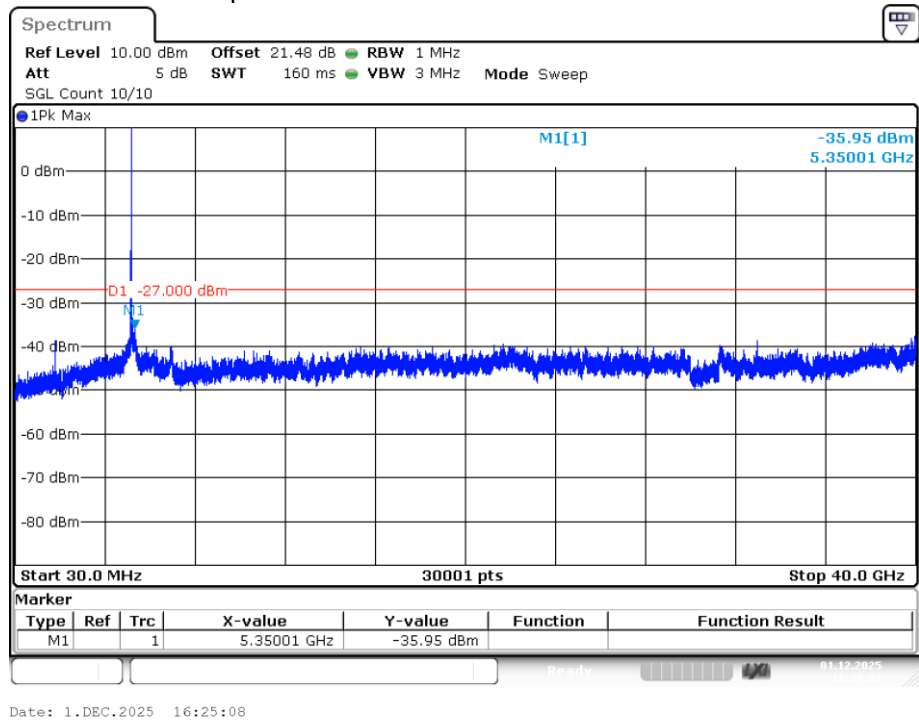


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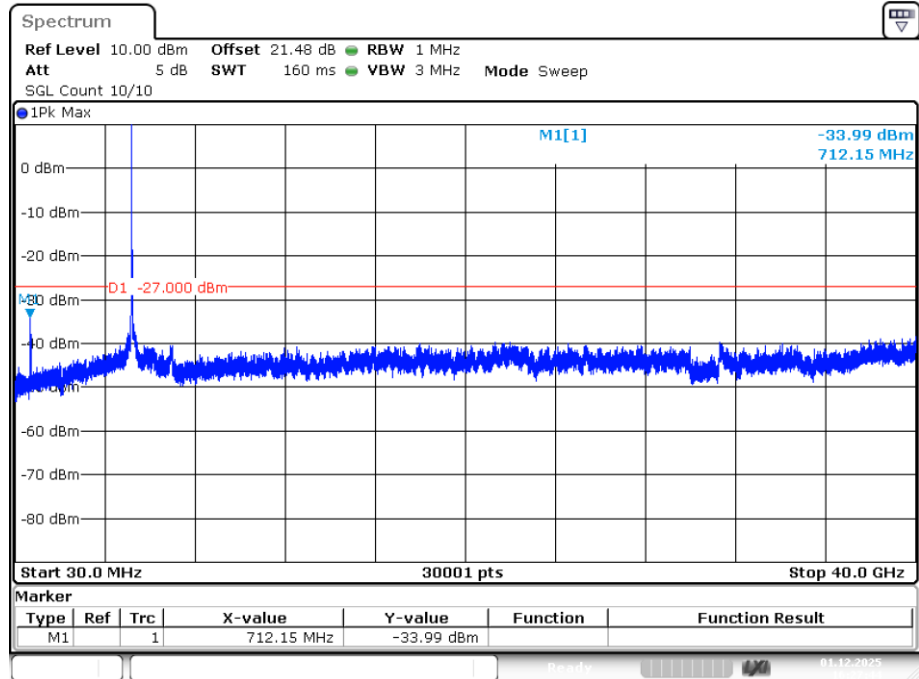
Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



Tx. Spurious NVNT ax20 5180MHz Ant1 Emission

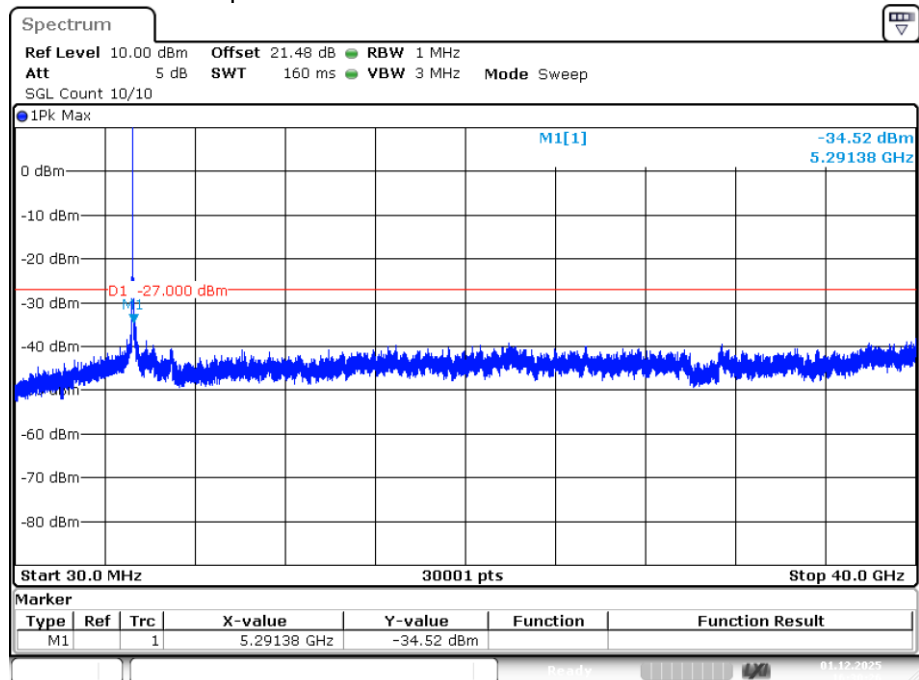


Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



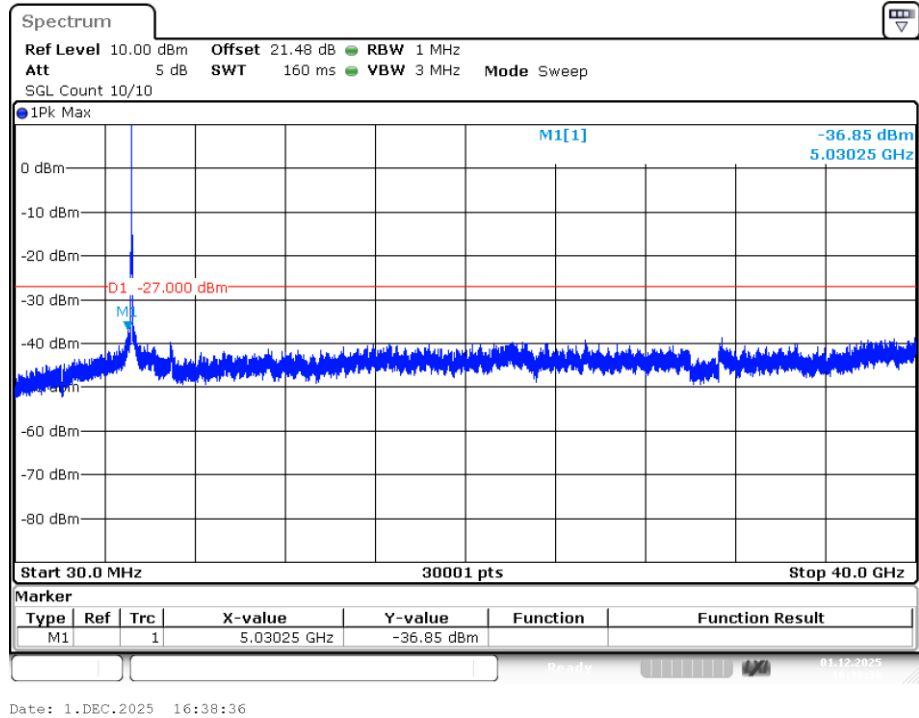
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Tx. Spurious NVNT ax20 5240MHz Ant1 Emission

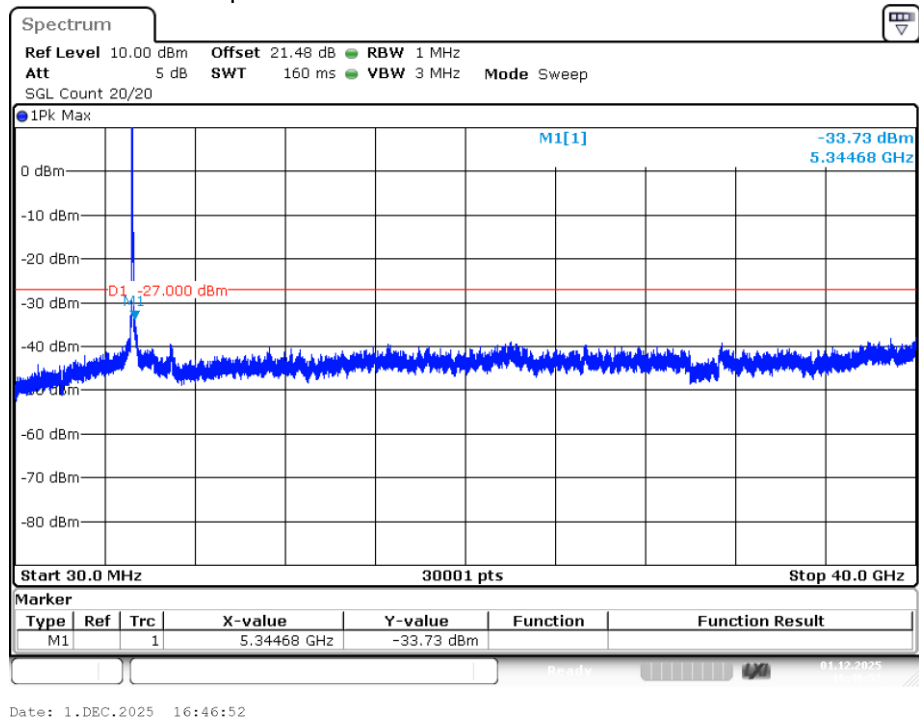


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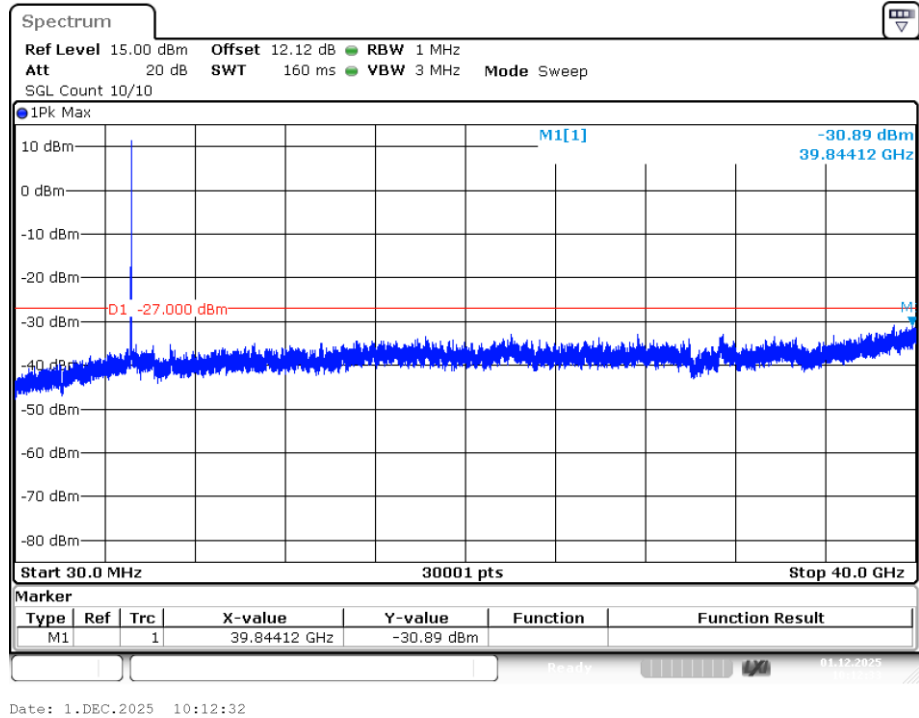
Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



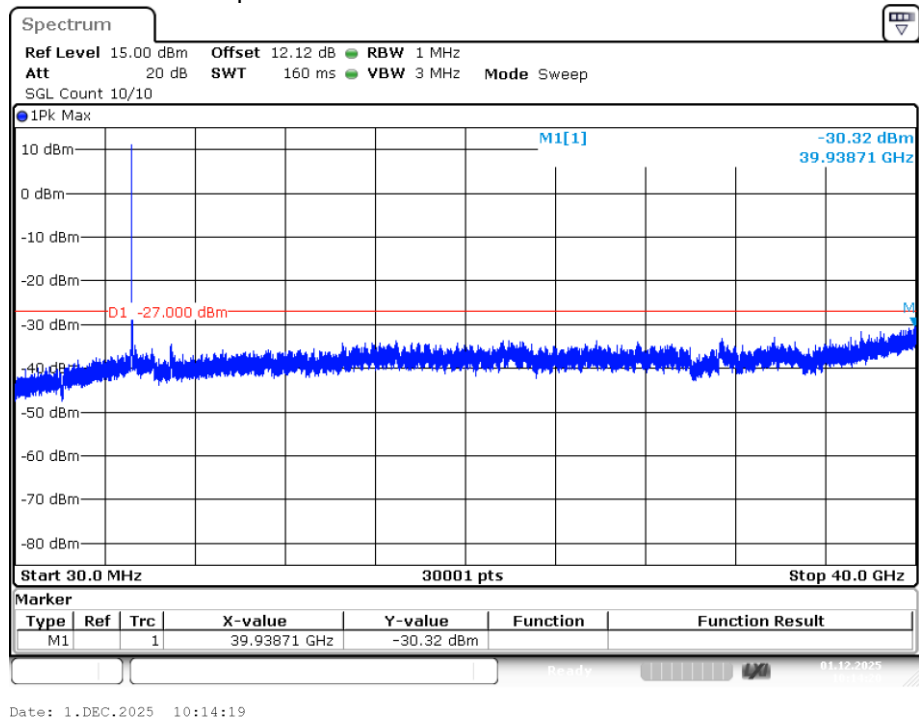
Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



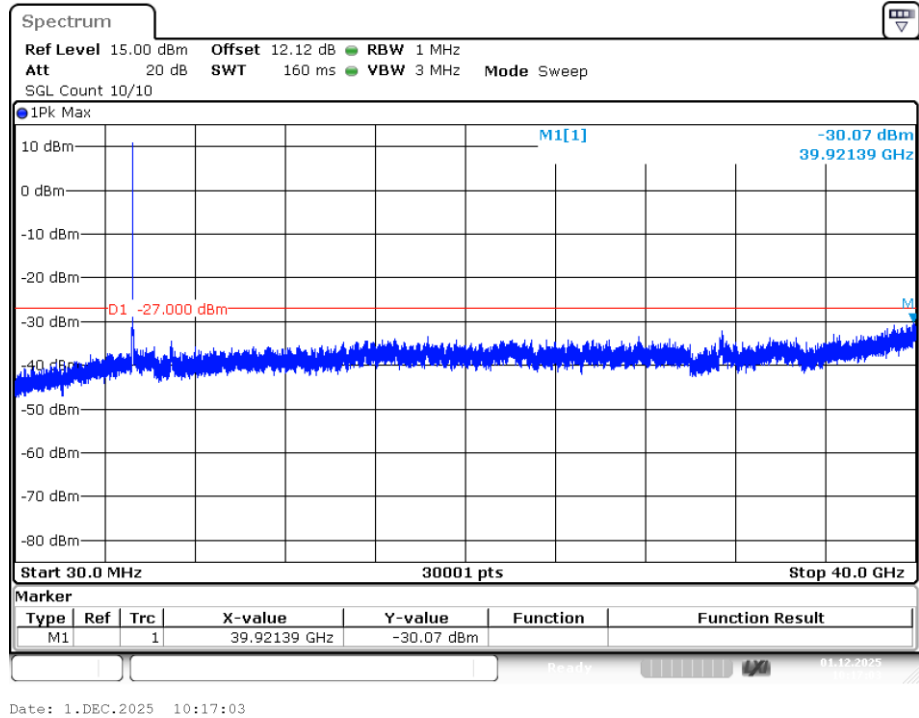
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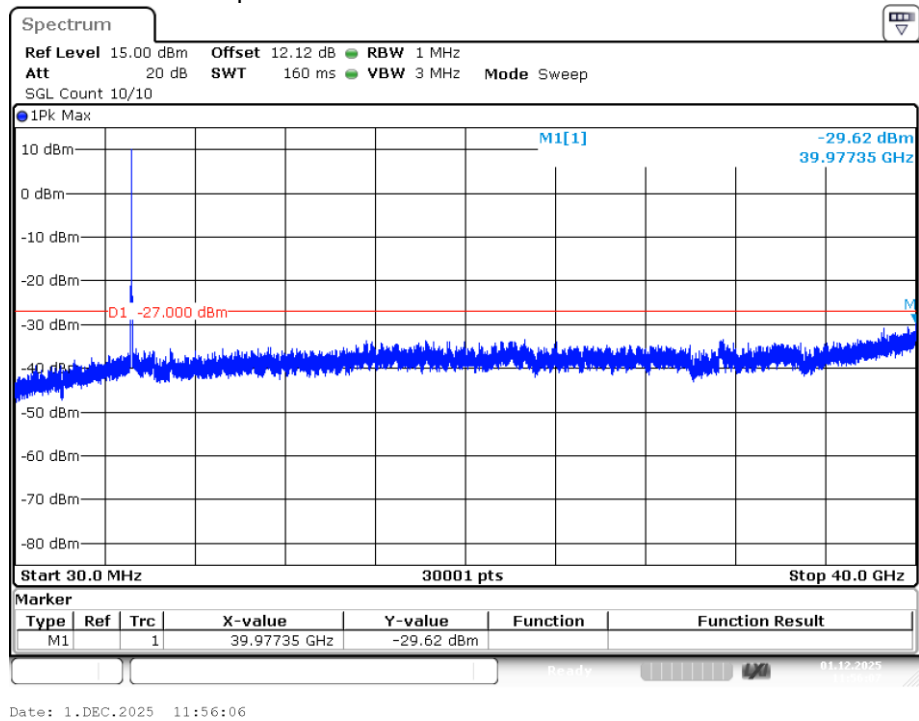
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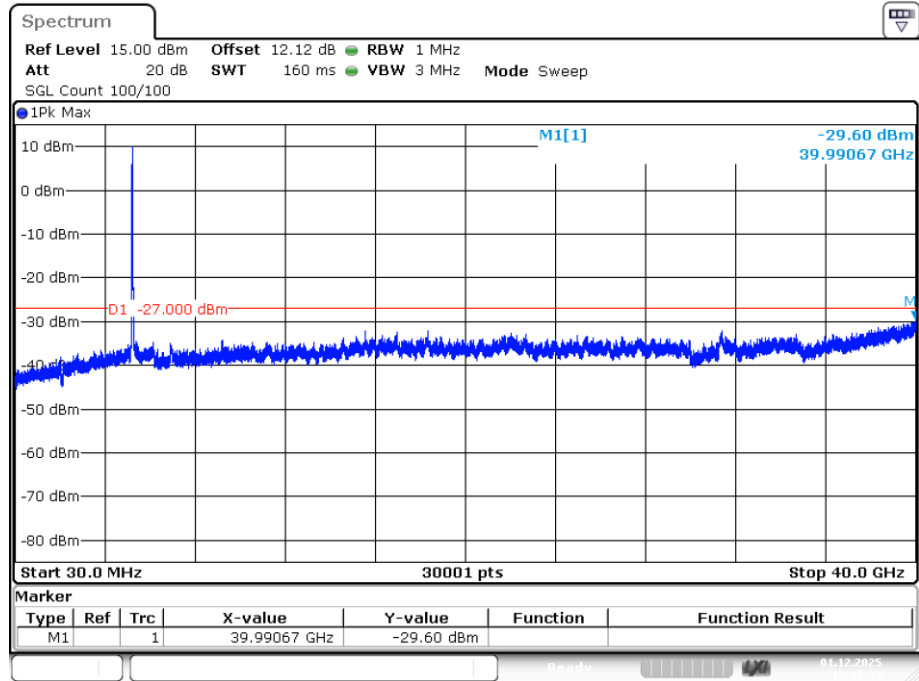
Tx. Spurious NVNT n20 5240MHz Ant1 Emission



Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Tx. Spurious NVNT n40 5230MHz Ant1 Emission

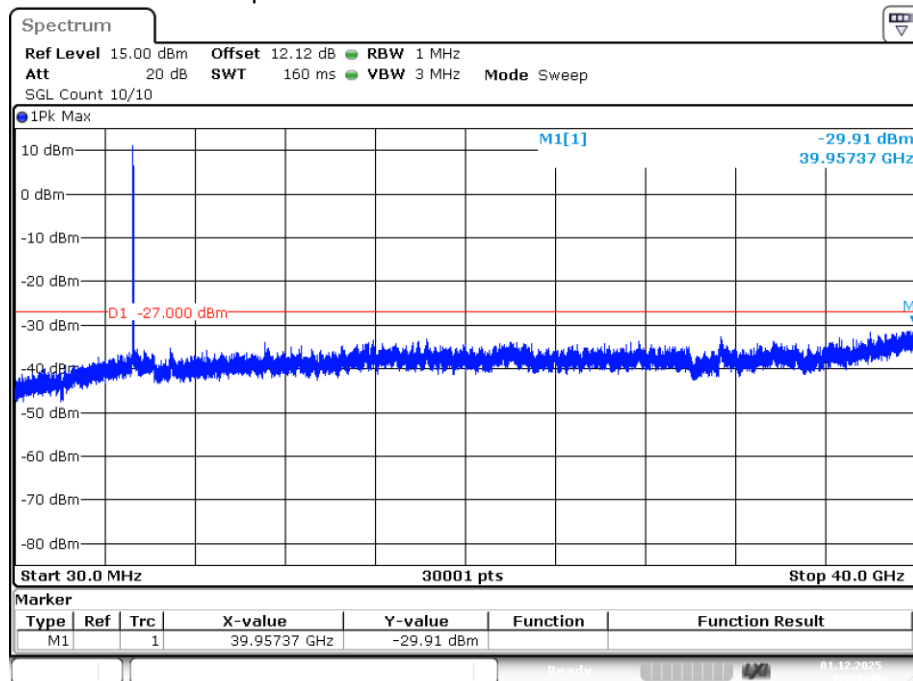


Date: 1.DEC.2025 12:00:39

U-NII 2A

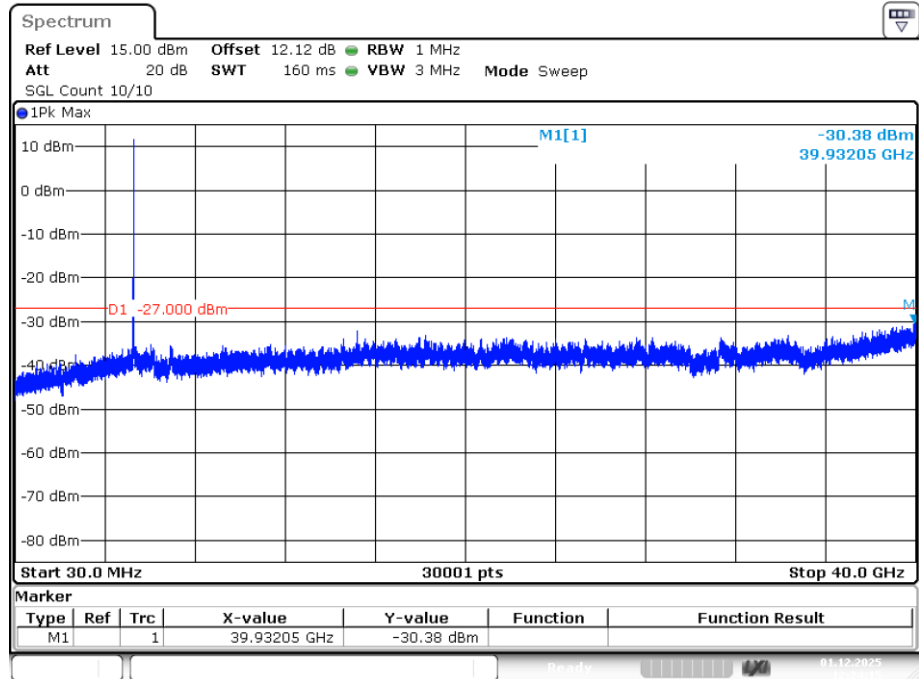
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5260	Ant1	-29.9	-27	Pass
NVNT	a	5280	Ant1	-30.37	-27	Pass
NVNT	a	5320	Ant1	-29.94	-27	Pass
NVNT	ac20	5260	Ant1	-30.15	-27	Pass
NVNT	ac20	5280	Ant1	-29.63	-27	Pass
NVNT	ac20	5320	Ant1	-30.14	-27	Pass
NVNT	ac40	5270	Ant1	-30	-27	Pass
NVNT	ac40	5310	Ant1	-30.21	-27	Pass
NVNT	ax20	5260	Ant1	-34.69	-27	Pass
NVNT	ax20	5280	Ant1	-31.01	-27	Pass
NVNT	ax20	5320	Ant1	-33.54	-27	Pass
NVNT	ax40	5270	Ant1	-34.8	-27	Pass
NVNT	ax40	5310	Ant1	-37.25	-27	Pass
NVNT	n20	5260	Ant1	-30.3	-27	Pass
NVNT	n20	5280	Ant1	-30.36	-27	Pass
NVNT	n20	5320	Ant1	-28.38	-27	Pass
NVNT	n40	5270	Ant1	-30.46	-27	Pass
NVNT	n40	5310	Ant1	-30.47	-27	Pass

Note: The margin is at least greater than the antenna gain plus the cable loss.

Tx. Spurious NVNT a 5260MHz Ant1 Emission

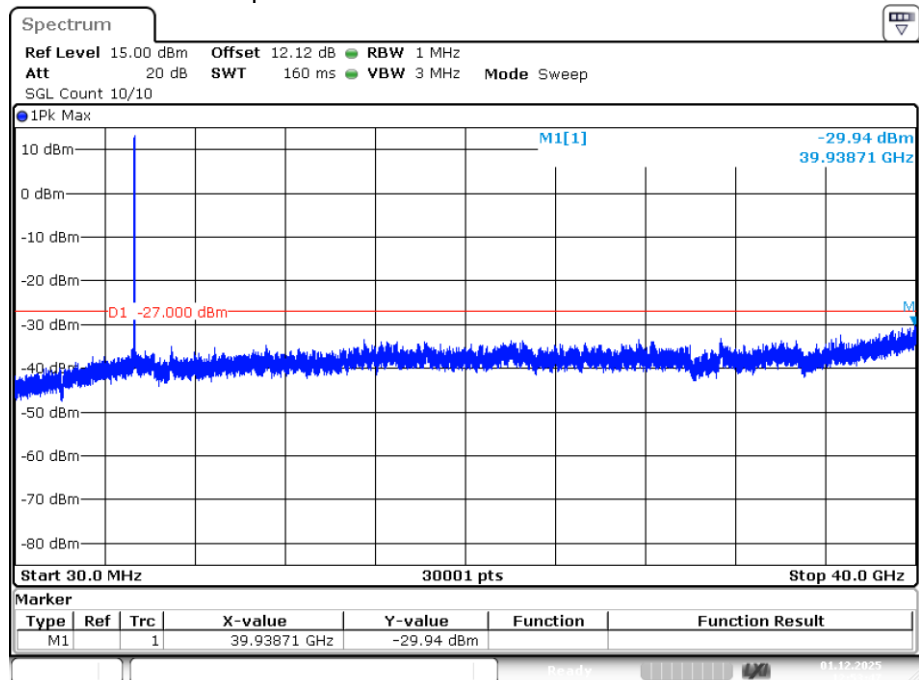
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Tx. Spurious NVNT a 5280MHz Ant1 Emission



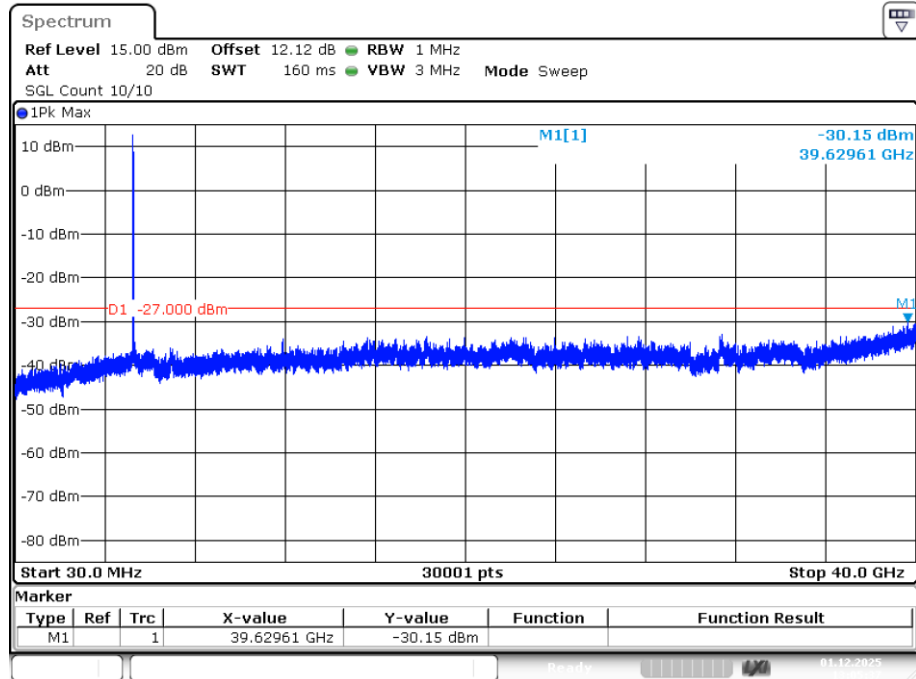
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Tx. Spurious NVNT a 5320MHz Ant1 Emission



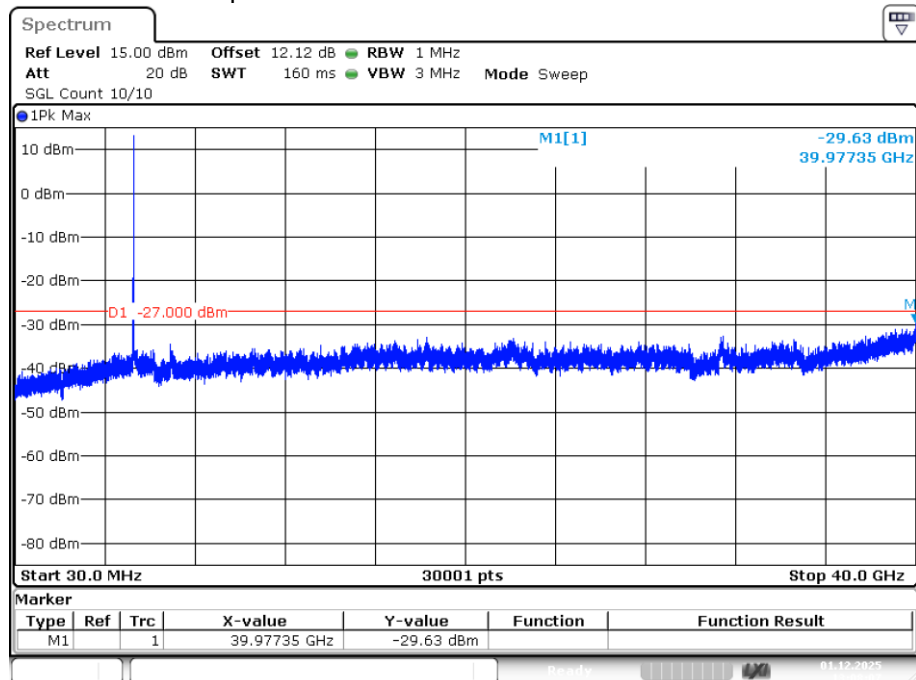
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Tx. Spurious NVNT ac20 5260MHz Ant1 Emission



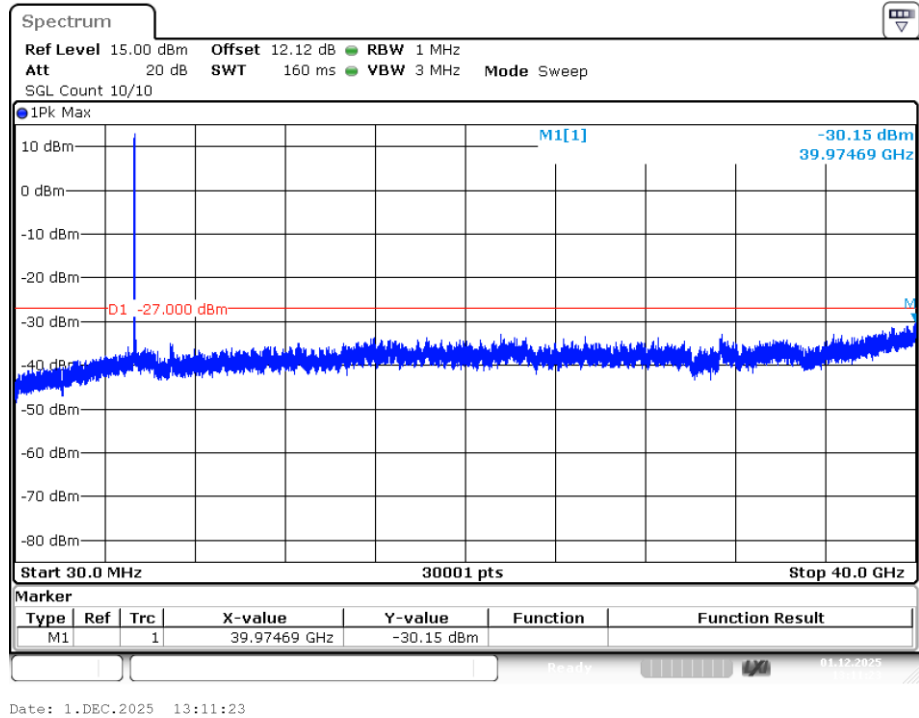
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Tx. Spurious NVNT ac20 5280MHz Ant1 Emission

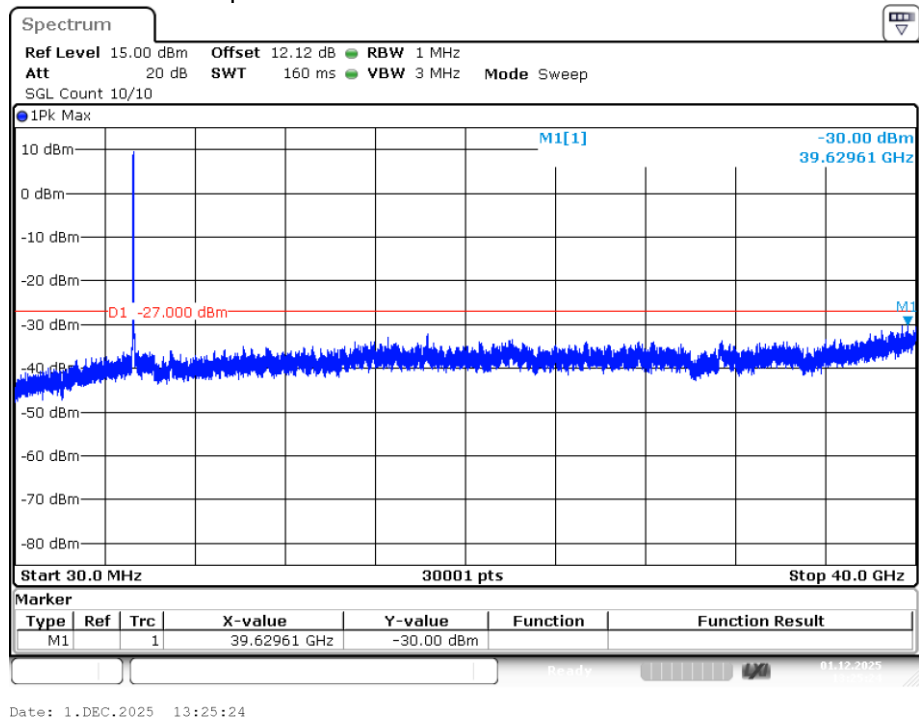


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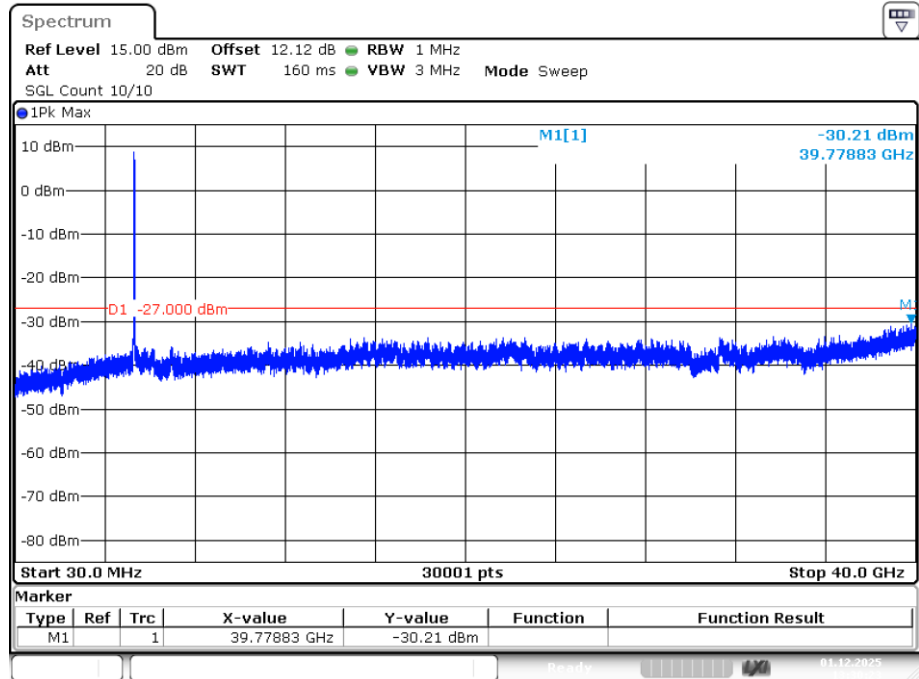
Tx. Spurious NVNT ac20 5320MHz Ant1 Emission



Tx. Spurious NVNT ac40 5270MHz Ant1 Emission

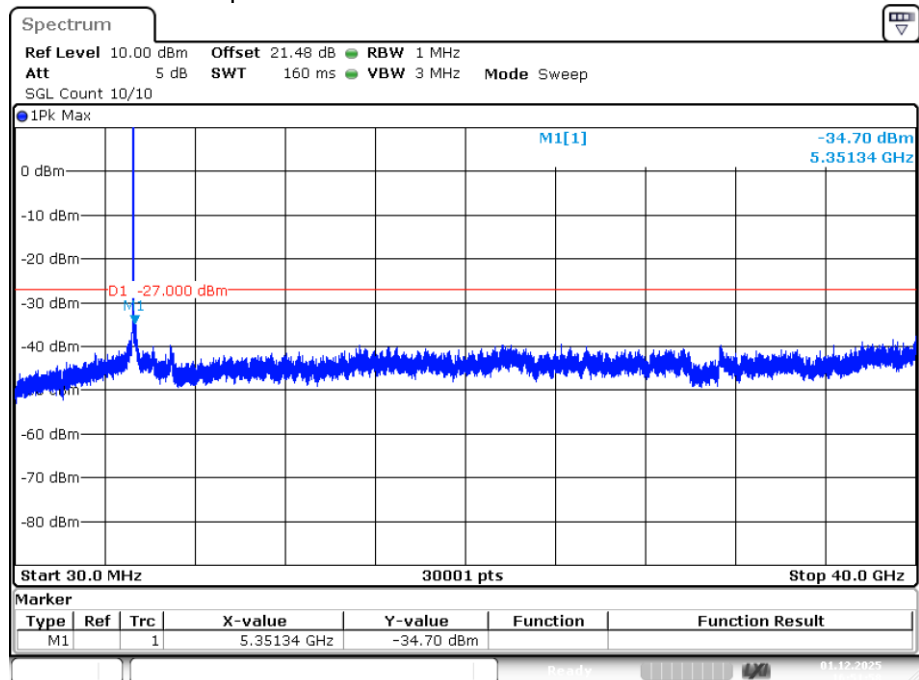


Tx. Spurious NVNT ac40 5310MHz Ant1 Emission



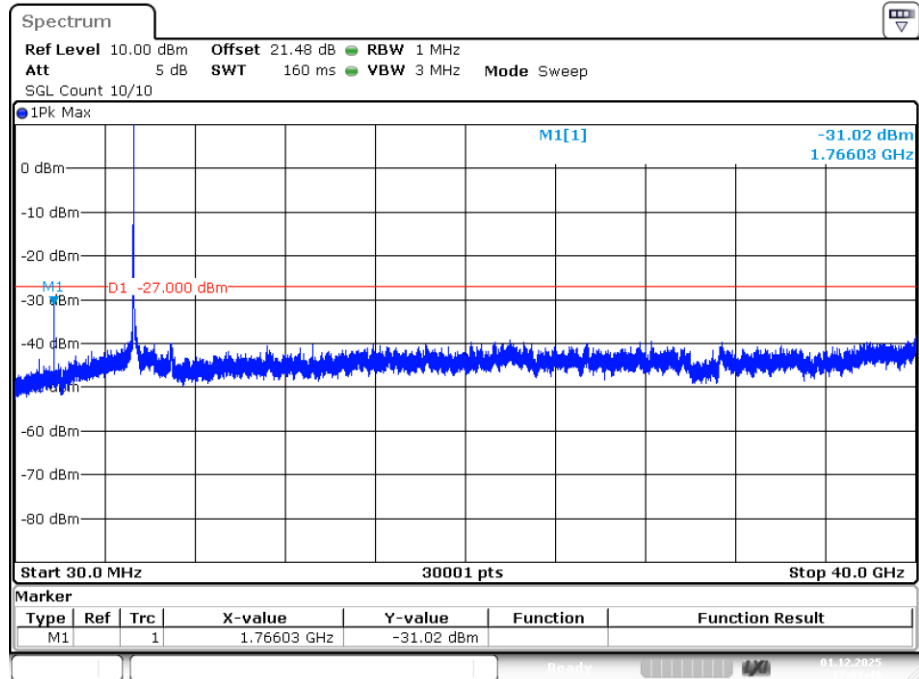
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Tx. Spurious NVNT ax20 5260MHz Ant1 Emission



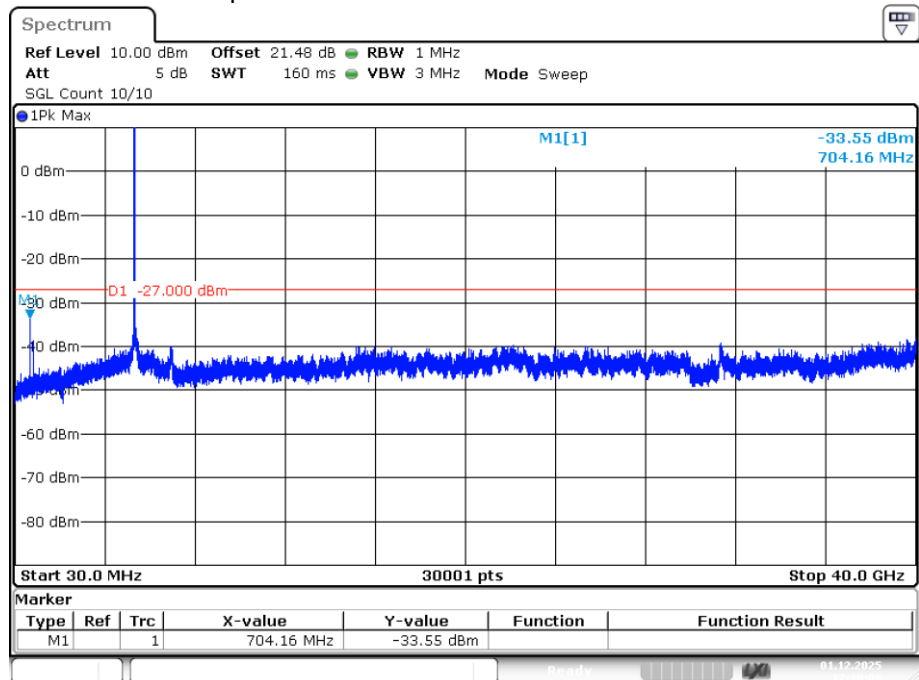
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Tx. Spurious NVNT ax20 5280MHz Ant1 Emission



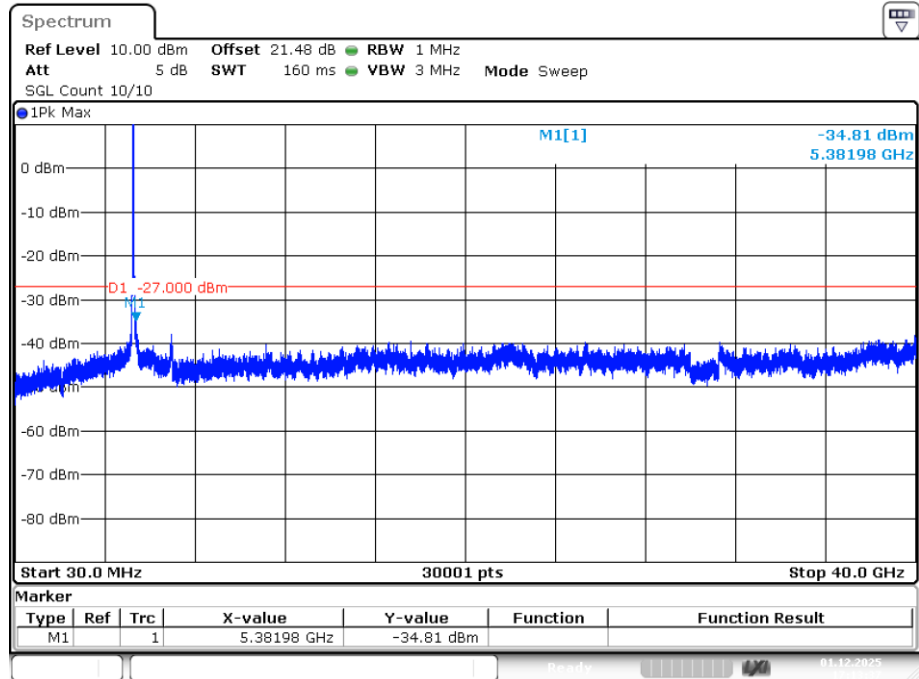
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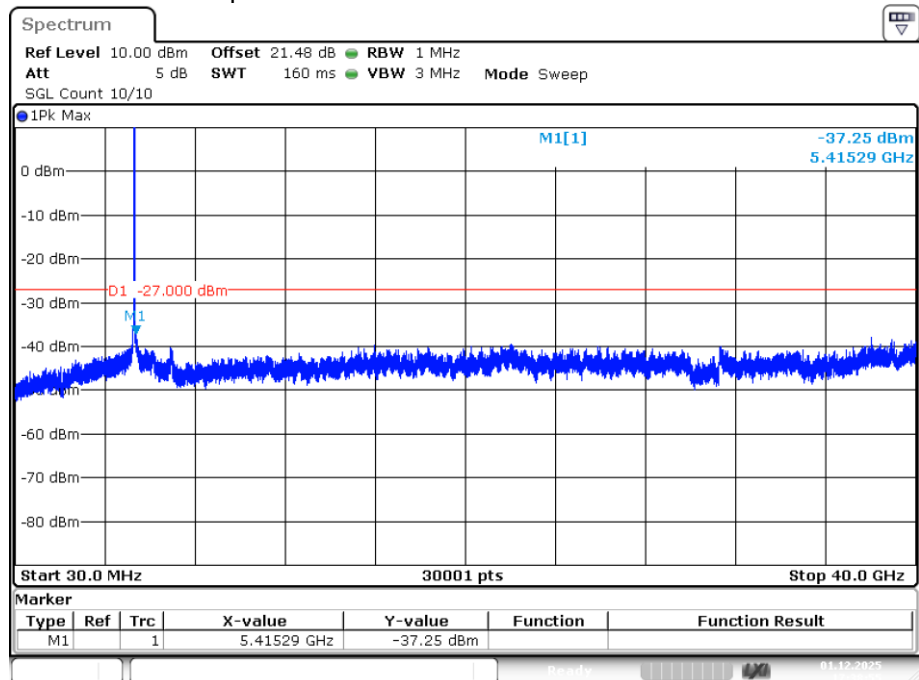
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Tx. Spurious NVNT ax40 5270MHz Ant1 Emission



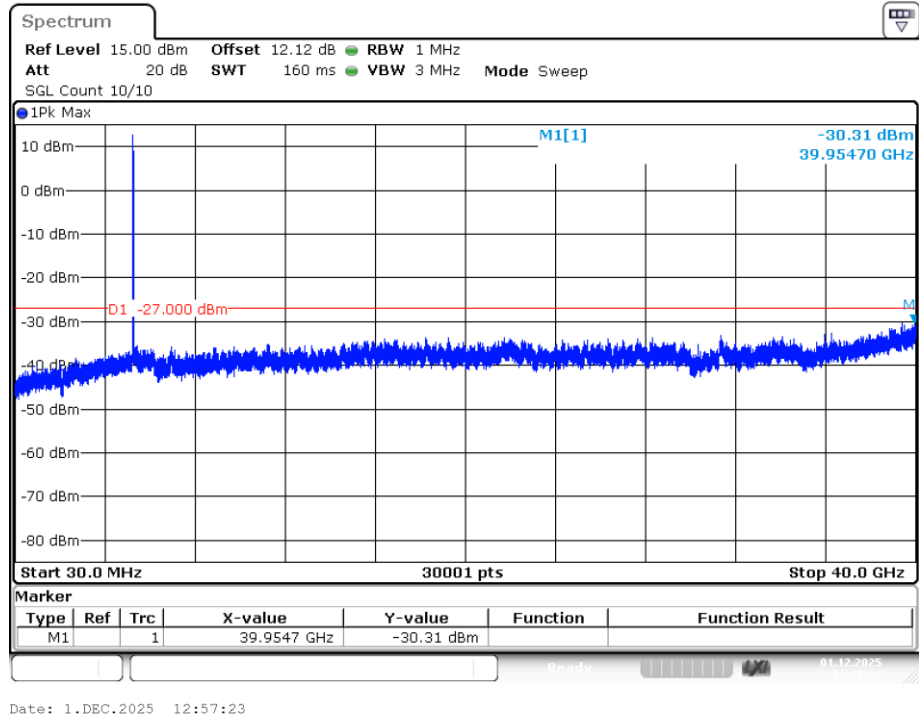
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Tx. Spurious NVNT ax40 5310MHz Ant1 Emission

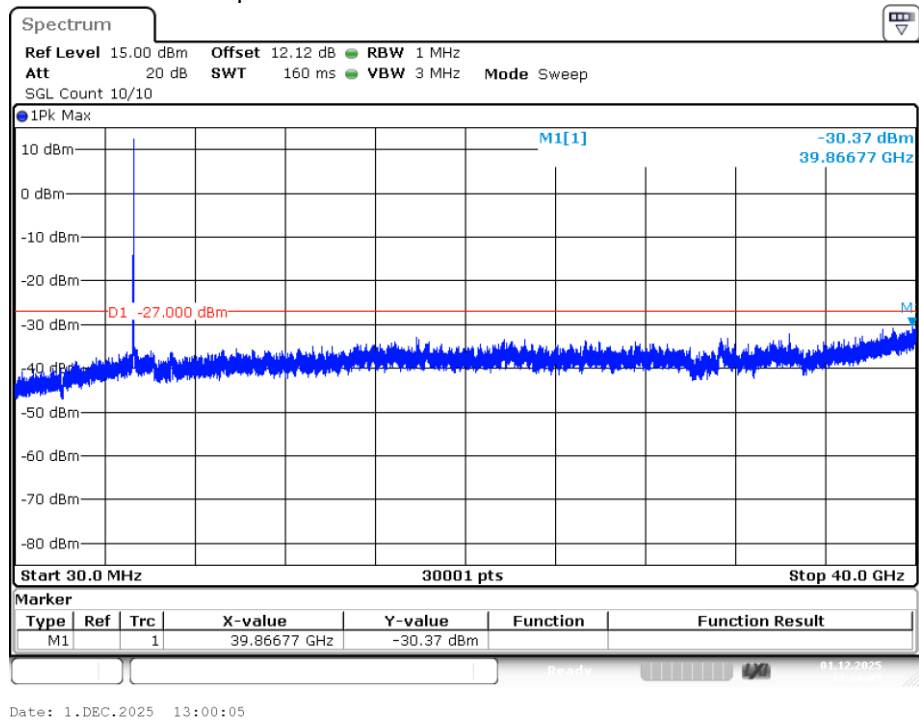


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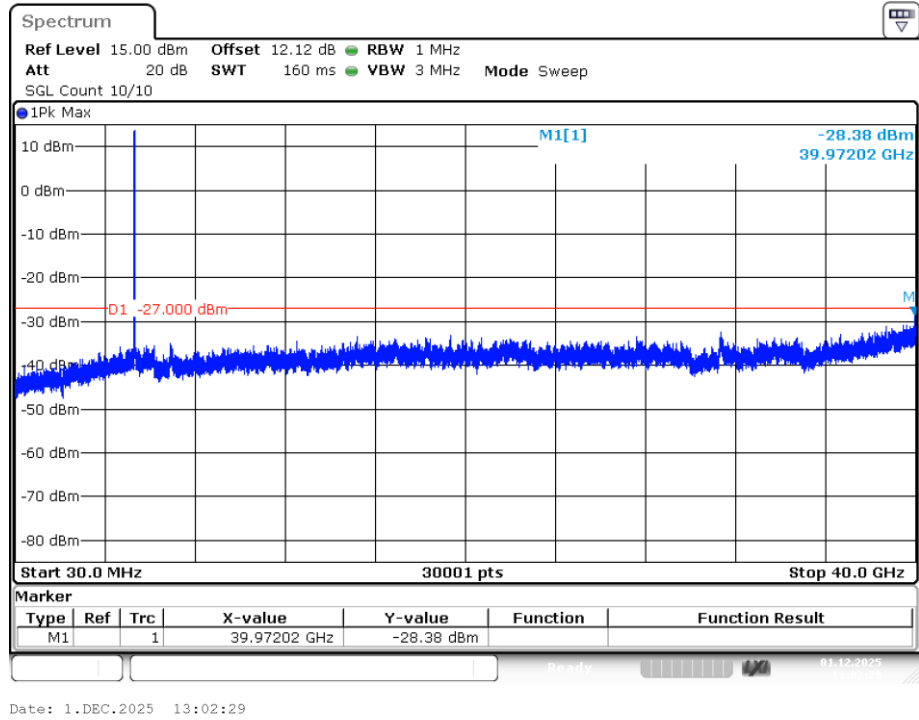
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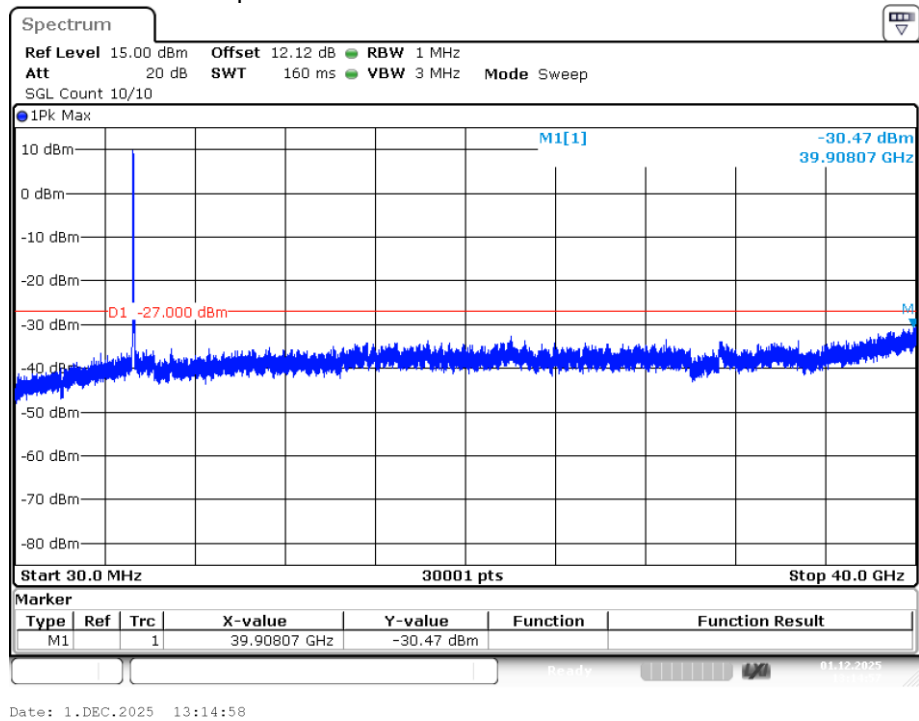
Tx. Spurious NVNT n20 5280MHz Ant1 Emission



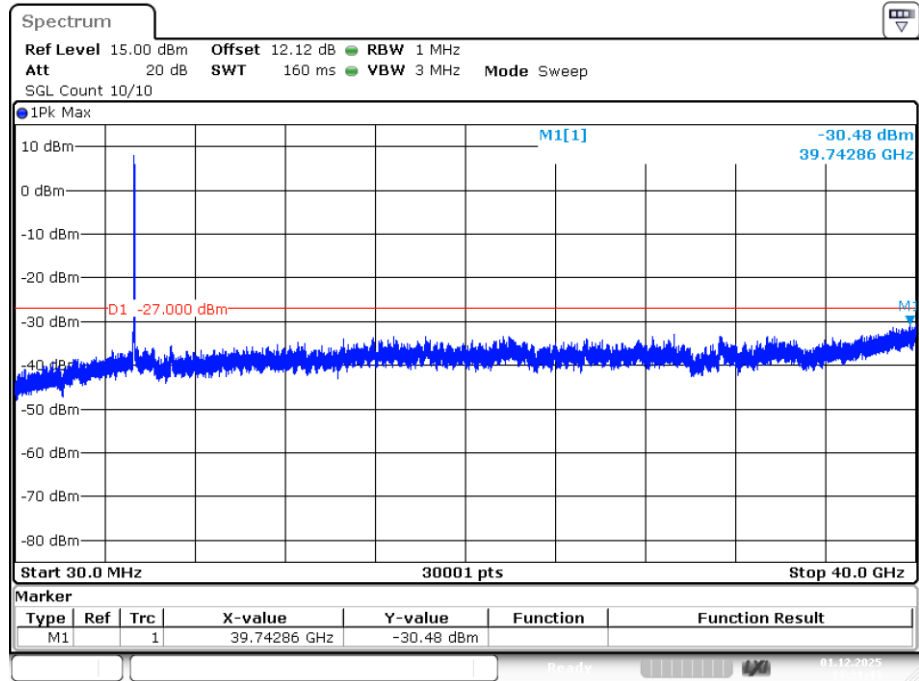
Tx. Spurious NVNT n20 5320MHz Ant1 Emission



Tx. Spurious NVNT n40 5270MHz Ant1 Emission



Tx. Spurious NVNT n40 5310MHz Ant1 Emission

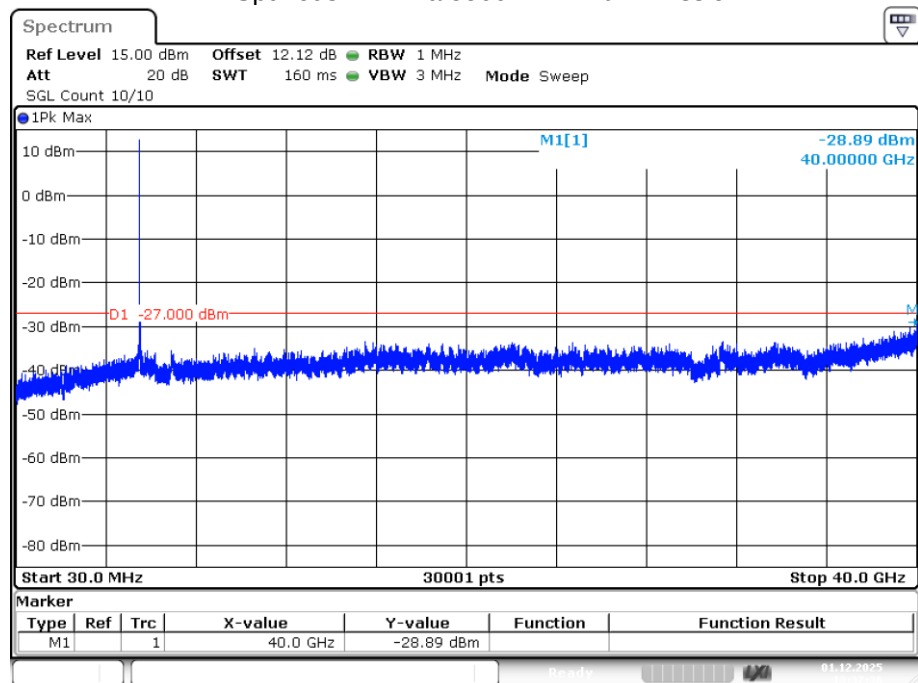


Date: 1.DEC.2025 13:21:43

U-NII 2C

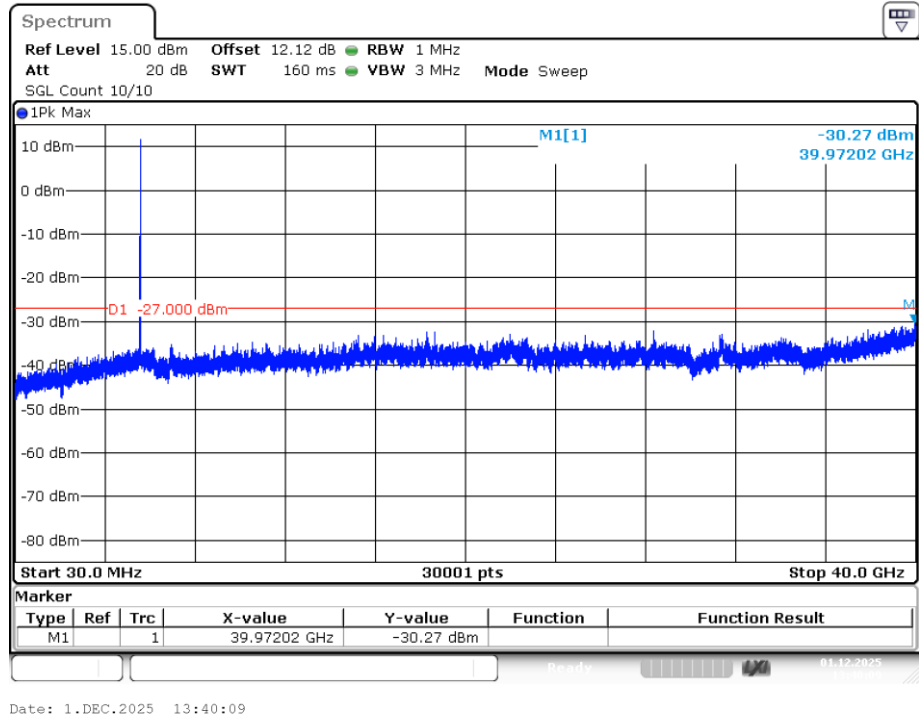
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5500	Ant1	-28.89	-27	Pass
NVNT	a	5580	Ant1	-30.26	-27	Pass
NVNT	a	5700	Ant1	-30.17	-27	Pass
NVNT	ac20	5500	Ant1	-30.61	-27	Pass
NVNT	ac20	5580	Ant1	-30.5	-27	Pass
NVNT	ac20	5700	Ant1	-29.65	-27	Pass
NVNT	ac40	5510	Ant1	-29.78	-27	Pass
NVNT	ac40	5670	Ant1	-30.19	-27	Pass
NVNT	ax20	5500	Ant1	-37.55	-27	Pass
NVNT	ax20	5580	Ant1	-37.76	-27	Pass
NVNT	ax20	5700	Ant1	-30.5	-27	Pass
NVNT	ax40	5510	Ant1	-37.82	-27	Pass
NVNT	ax40	5670	Ant1	-37.82	-27	Pass
NVNT	n20	5500	Ant1	-29.97	-27	Pass
NVNT	n20	5580	Ant1	-30.15	-27	Pass
NVNT	n20	5700	Ant1	-30.1	-27	Pass
NVNT	n40	5510	Ant1	-29.78	-27	Pass
NVNT	n40	5670	Ant1	-30.26	-27	Pass

Note: The margin is at least greater than the antenna gain plus the cable loss.

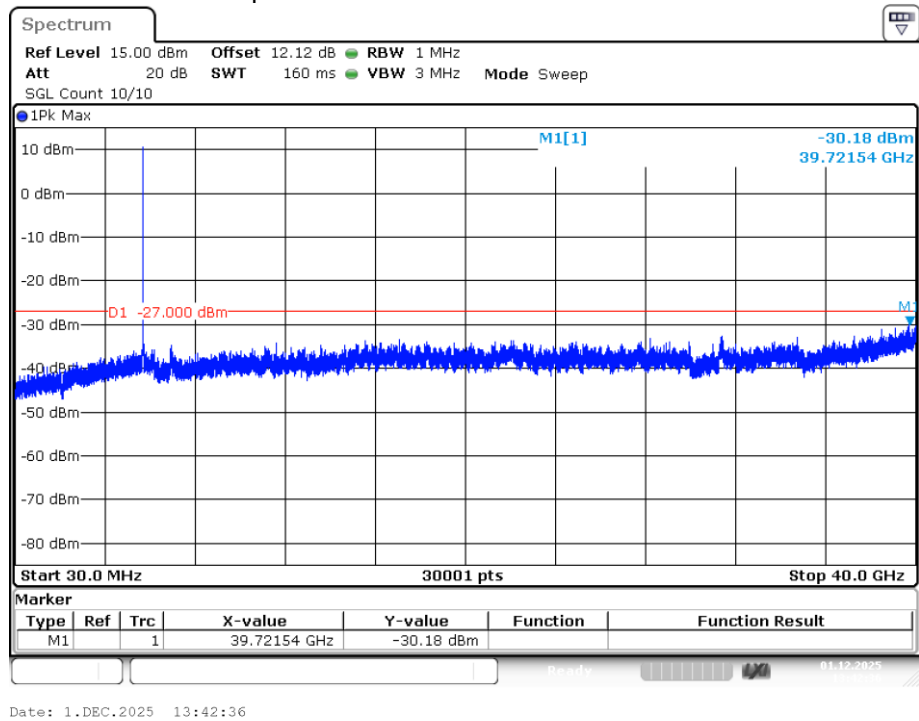
Tx. Spurious NVNT a 5500MHz Ant1 Emission

Date: 1.DEC.2025 13:37:36

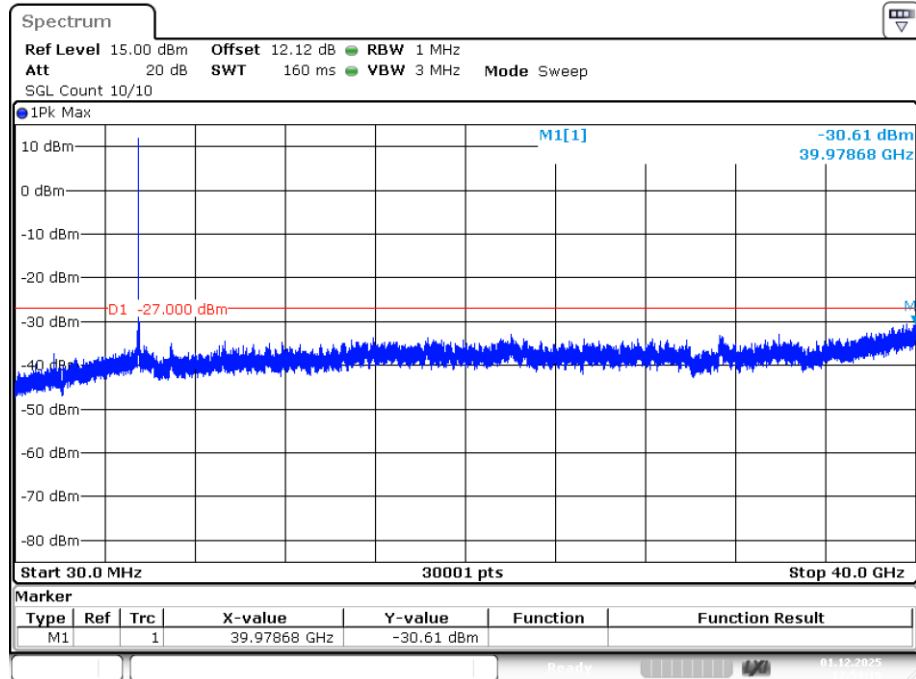
Tx. Spurious NVNT a 5580MHz Ant1 Emission



Tx. Spurious NVNT a 5700MHz Ant1 Emission

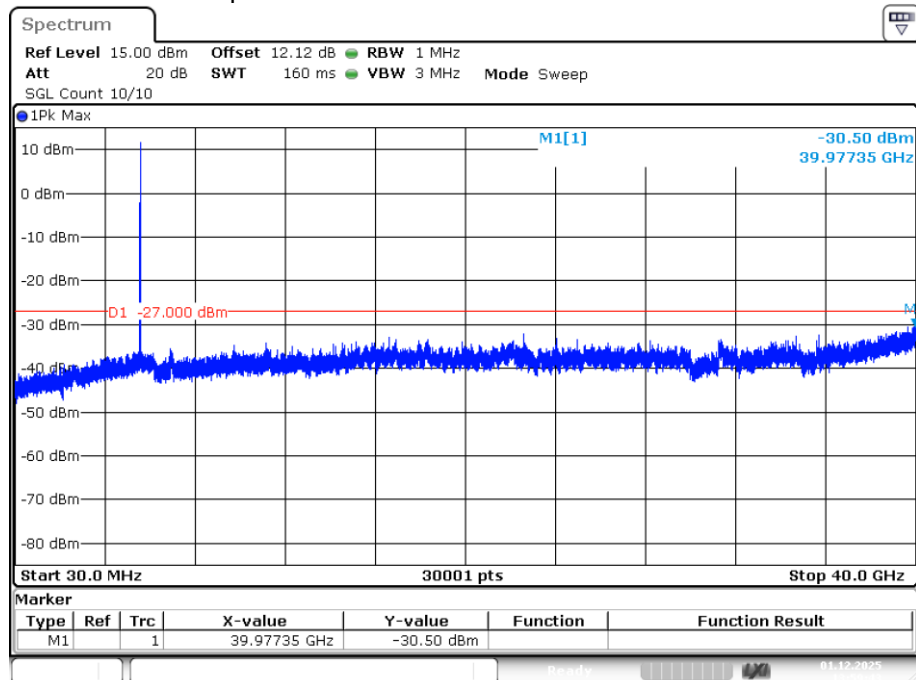


Tx. Spurious NVNT ac20 5500MHz Ant1 Emission



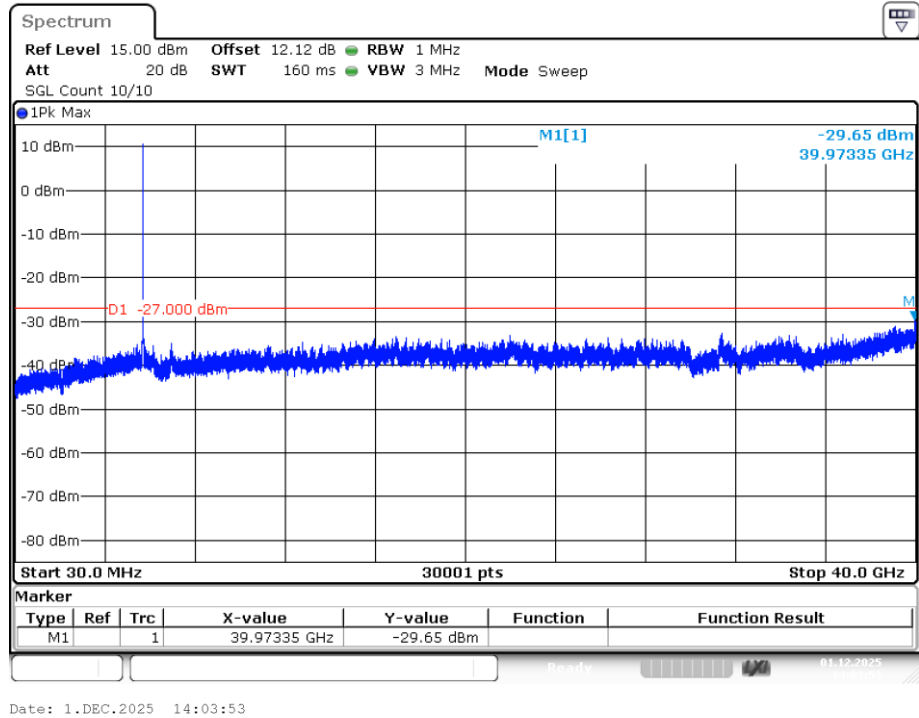
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Tx. Spurious NVNT ac20 5580MHz Ant1 Emission

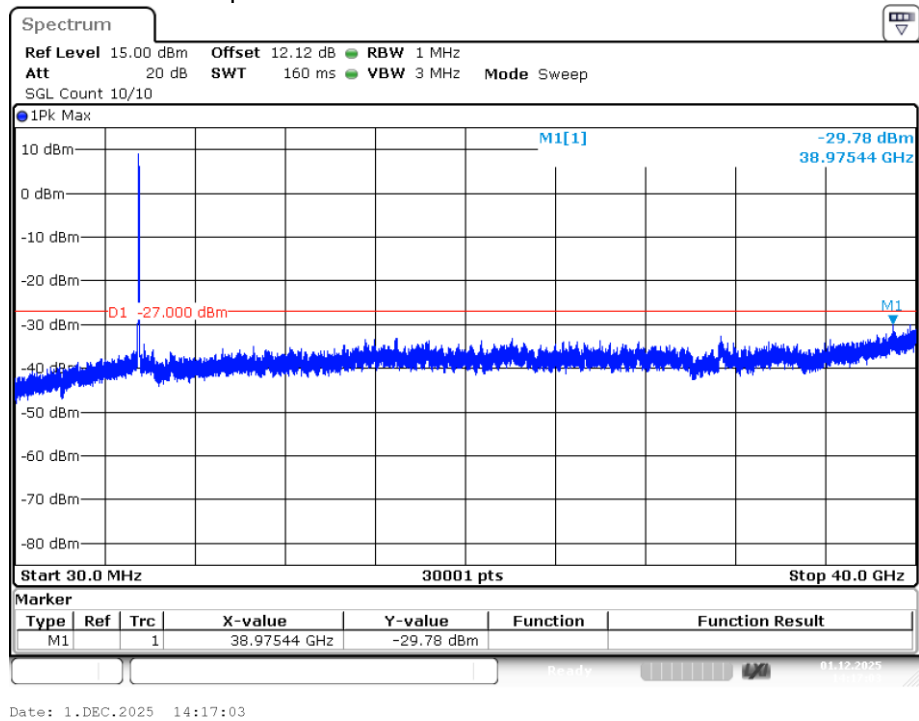


Date: 1.DEC.2025 13:59:42

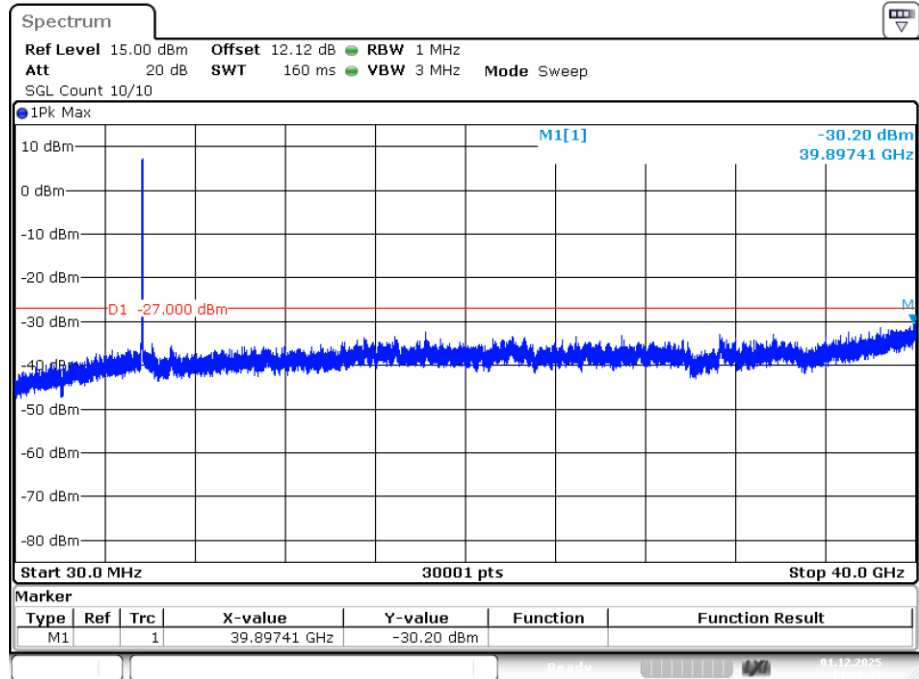
Tx. Spurious NVNT ac20 5700MHz Ant1 Emission



Tx. Spurious NVNT ac40 5510MHz Ant1 Emission

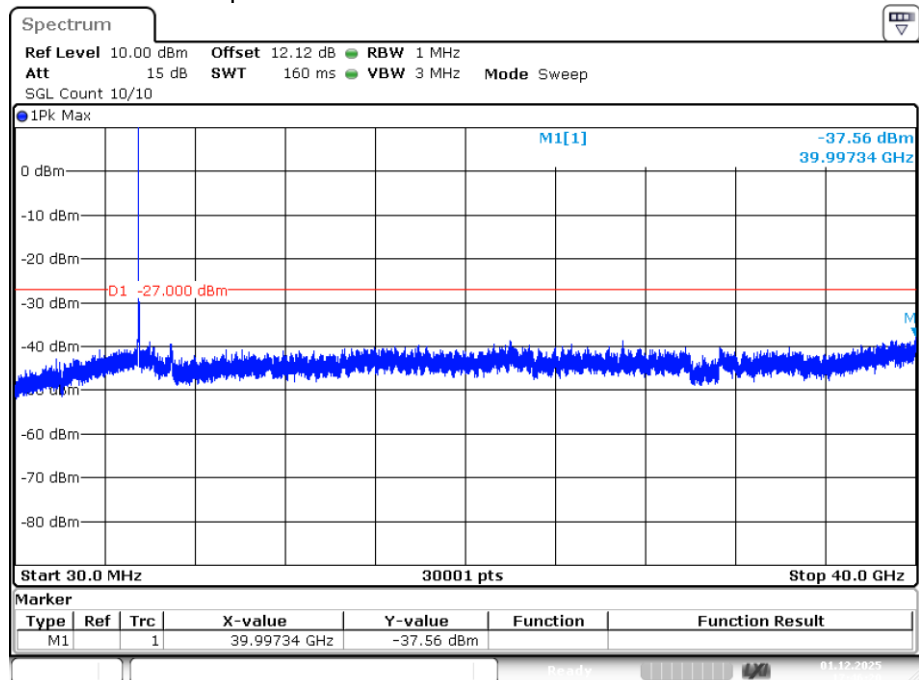


Tx. Spurious NVNT ac40 5670MHz Ant1 Emission



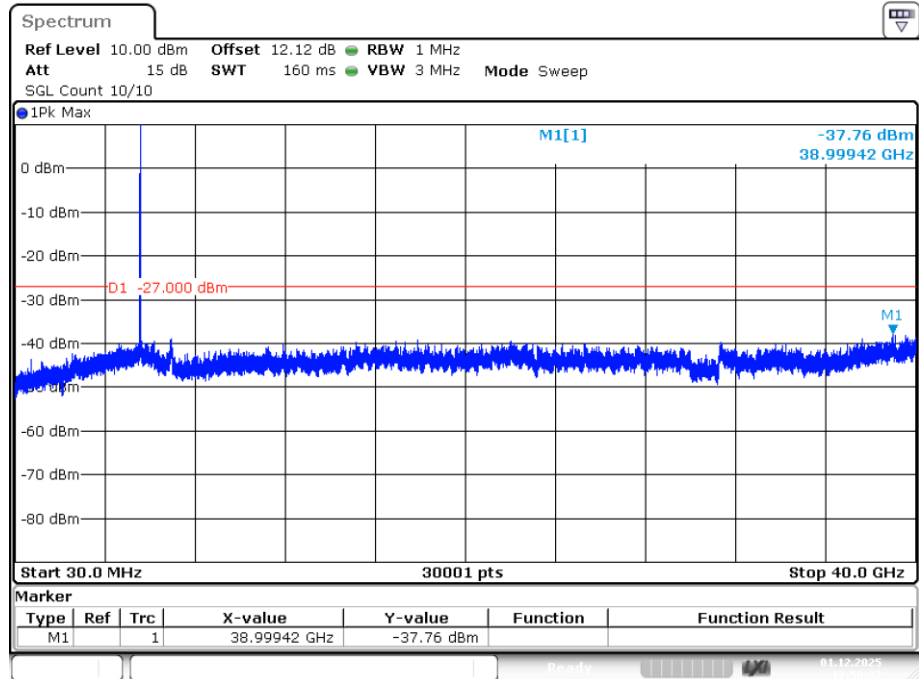
Date: 1.DEC.2025 14:20:31

Tx. Spurious NVNT ax20 5500MHz Ant1 Emission



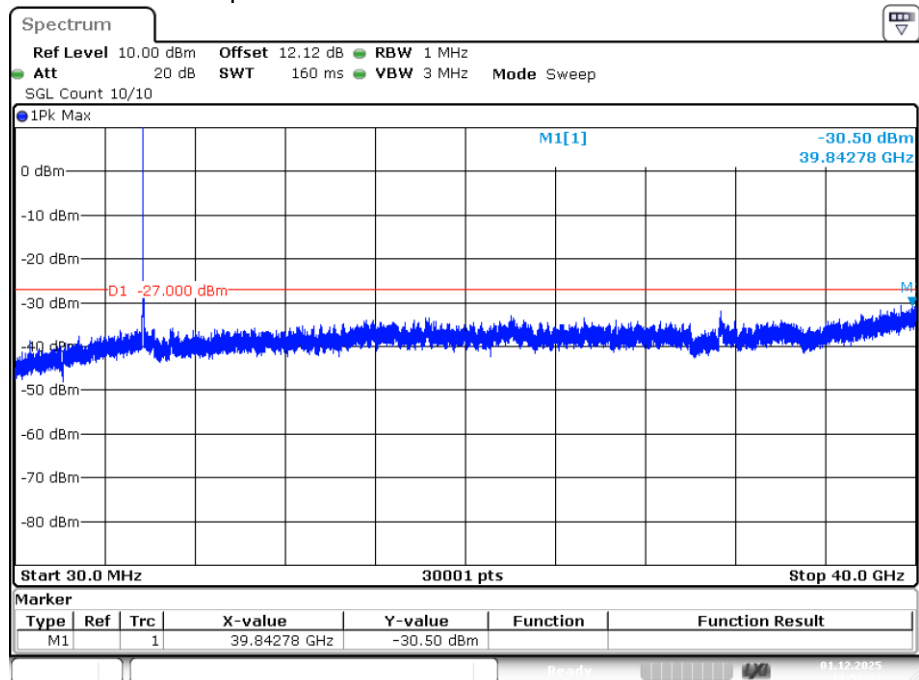
Date: 1.DEC.2025 17:46:20

Tx. Spurious NVNT ax20 5580MHz Ant1 Emission



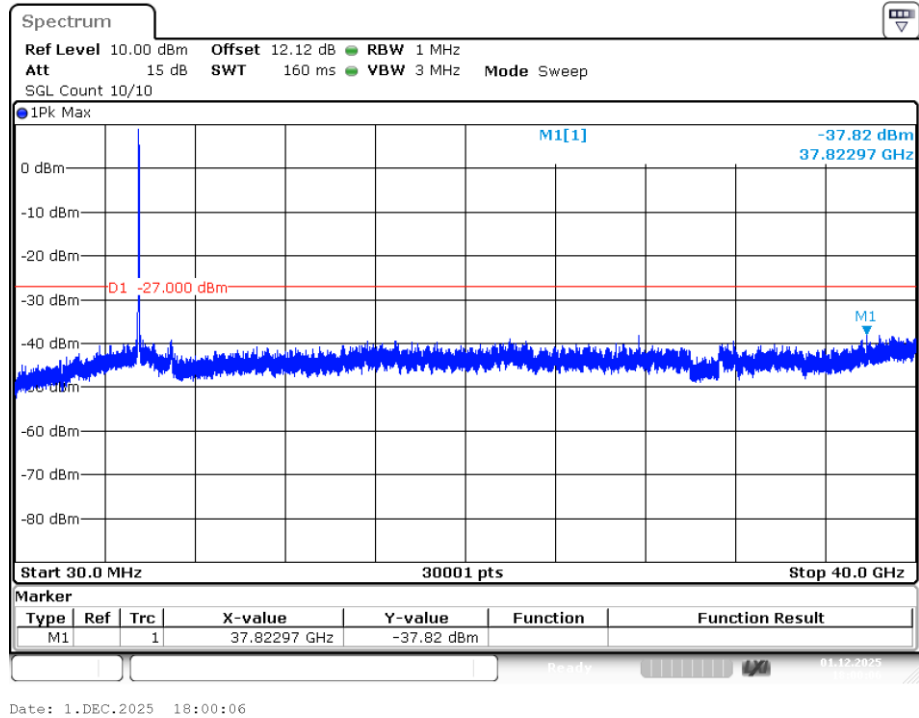
Date: 1.DEC.2025 17:50:32

Tx. Spurious NVNT ax20 5700MHz Ant1 Emission

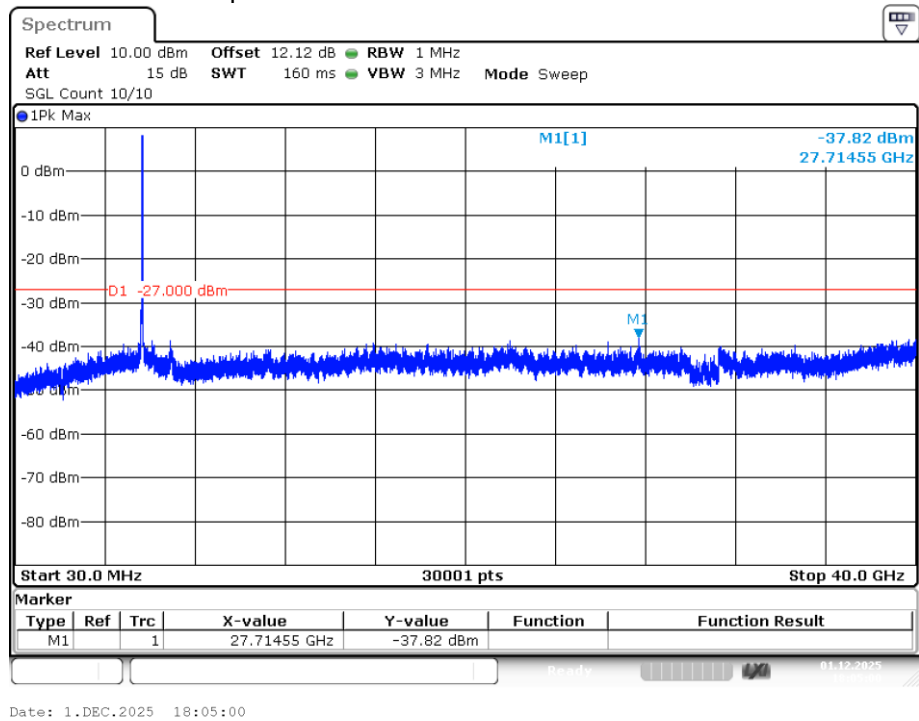


Date: 1.DEC.2025 17:56:33

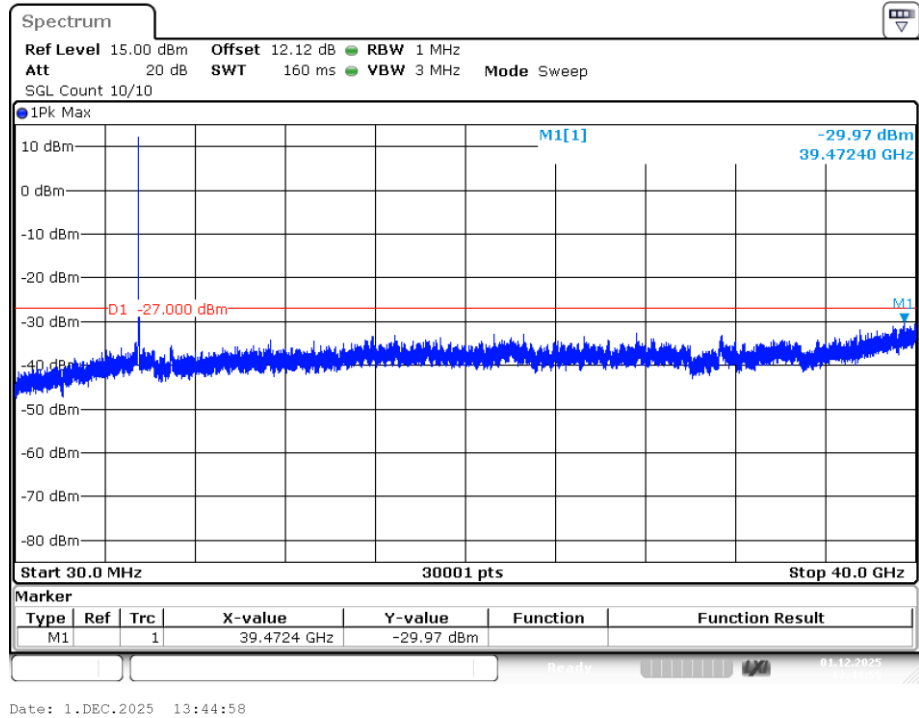
Tx. Spurious NVNT ax40 5510MHz Ant1 Emission



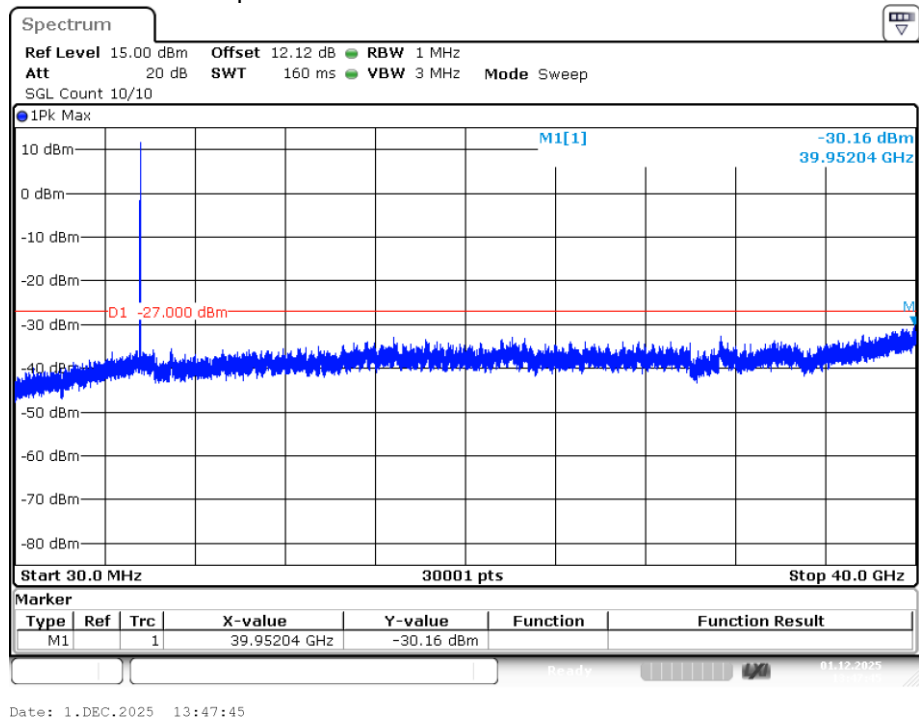
Tx. Spurious NVNT ax40 5670MHz Ant1 Emission



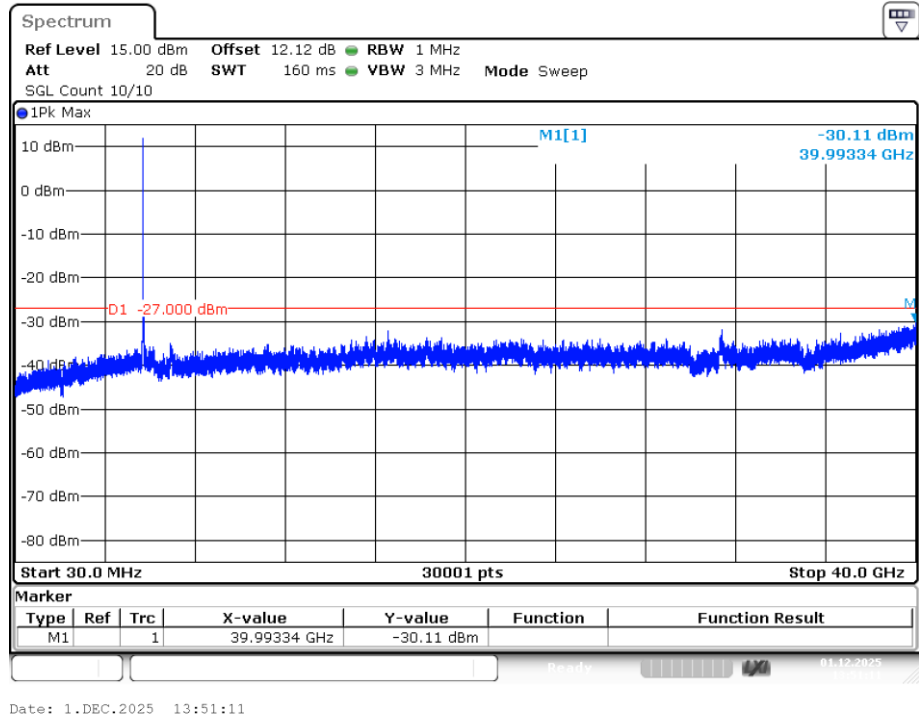
Tx. Spurious NVNT n20 5500MHz Ant1 Emission



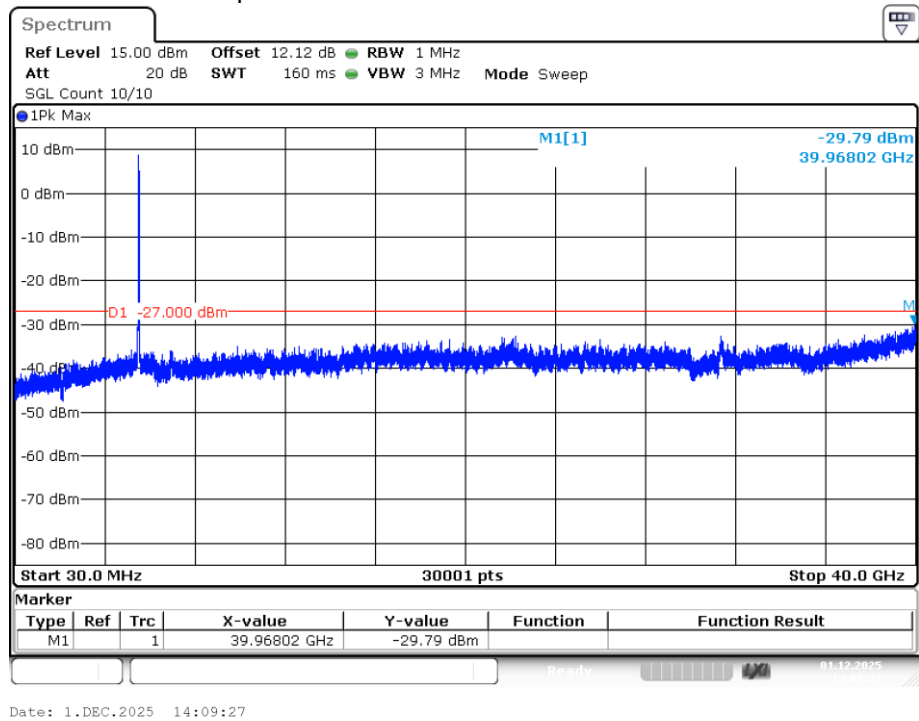
Tx. Spurious NVNT n20 5580MHz Ant1 Emission



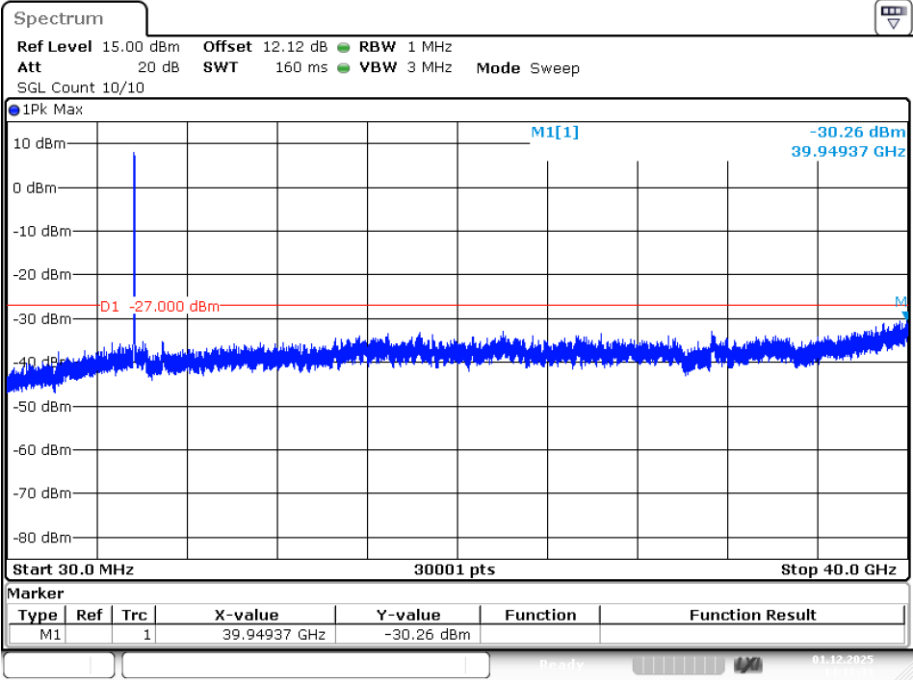
Tx. Spurious NVNT n20 5700MHz Ant1 Emission



Tx. Spurious NVNT n40 5510MHz Ant1 Emission



Tx. Spurious NVNT n40 5670MHz Ant1 Emission



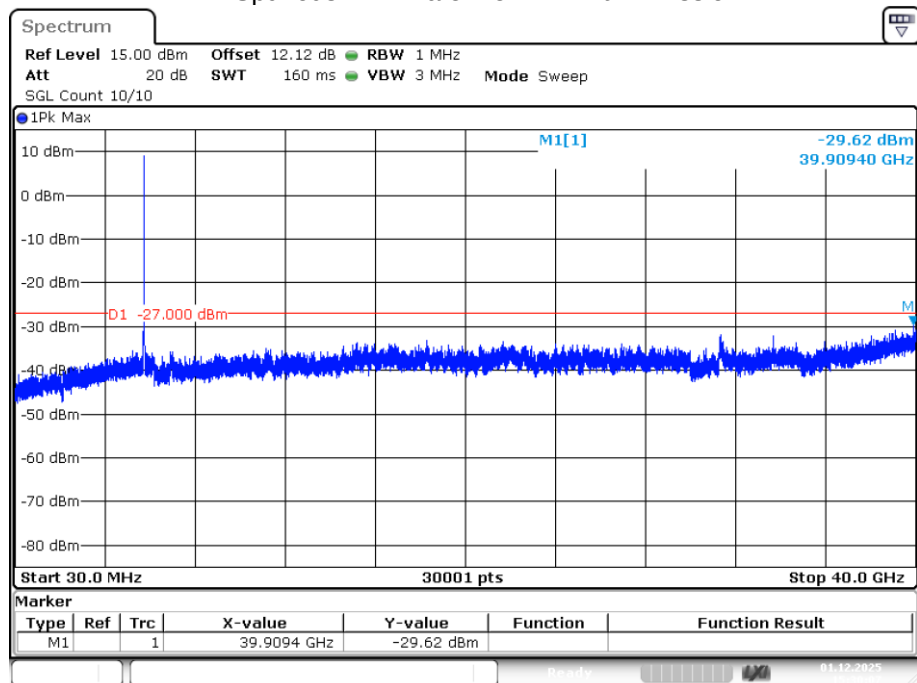
Date: 1.DEC.2025 14:13:34

U-NII 3

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	a	5745	Ant1	-29.62	-27	Pass
NVNT	a	5785	Ant1	-30.8	-27	Pass
NVNT	a	5825	Ant1	-30.62	-27	Pass
NVNT	ac20	5745	Ant1	-30.67	-27	Pass
NVNT	ac20	5785	Ant1	-30.29	-27	Pass
NVNT	ac20	5825	Ant1	-30.28	-27	Pass
NVNT	ac40	5755	Ant1	-30.11	-27	Pass
NVNT	ac40	5795	Ant1	-30.52	-27	Pass
NVNT	ax20	5745	Ant1	-33.9	-27	Pass
NVNT	ax20	5785	Ant1	-33.92	-27	Pass
NVNT	ax20	5825	Ant1	-35.84	-27	Pass
NVNT	ax40	5755	Ant1	-38.38	-27	Pass
NVNT	ax40	5795	Ant1	-37.92	-27	Pass
NVNT	n20	5745	Ant1	-30.17	-27	Pass
NVNT	n20	5785	Ant1	-30.82	-27	Pass
NVNT	n20	5825	Ant1	-29.51	-27	Pass
NVNT	n40	5755	Ant1	-30.1	-27	Pass
NVNT	n40	5795	Ant1	-30.16	-27	Pass

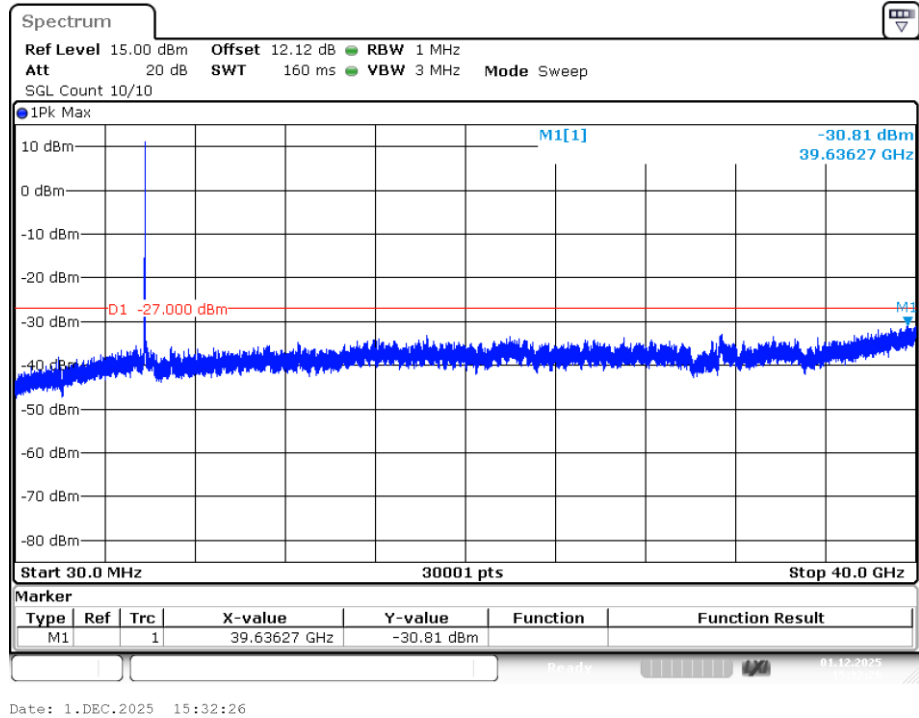
Note: The margin is at least greater than the antenna gain plus the cable loss.

Tx. Spurious NVNT a 5745MHz Ant1 Emission

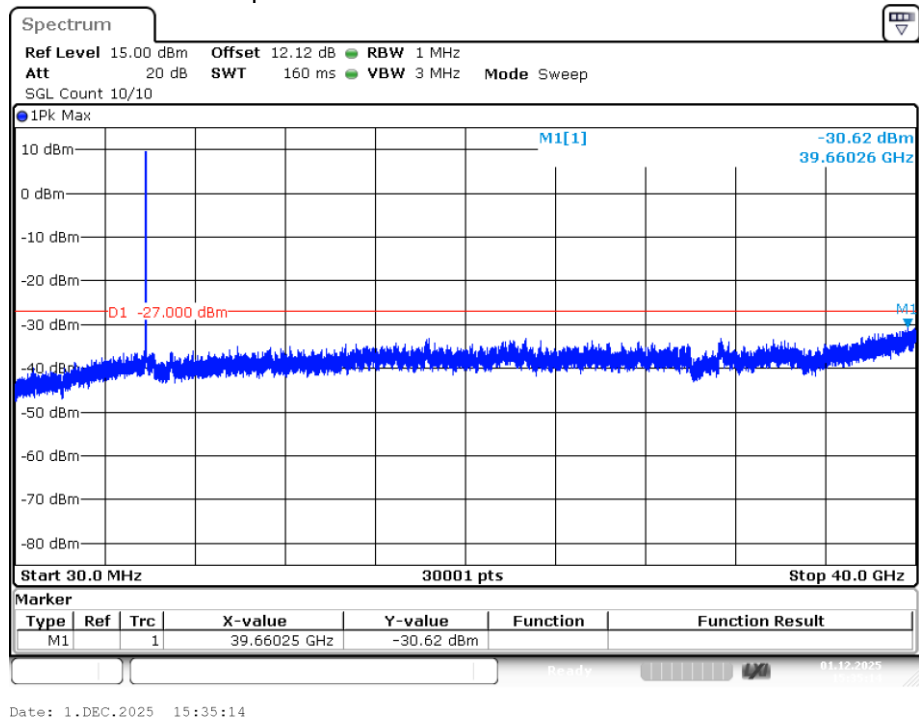


Date: 1.DEC.2025 15:30:07

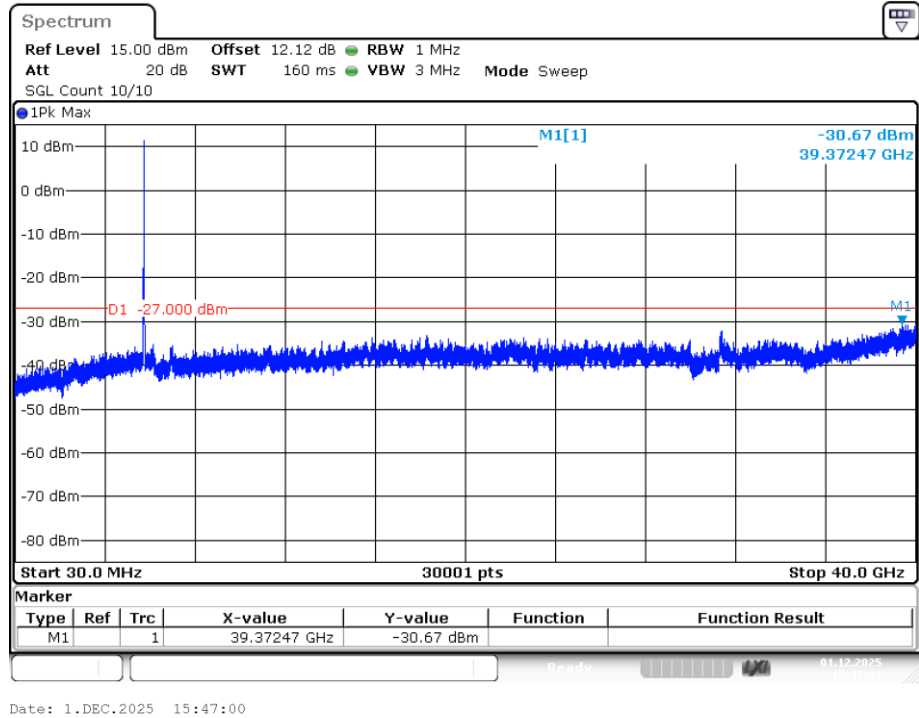
Tx. Spurious NVNT a 5785MHz Ant1 Emission



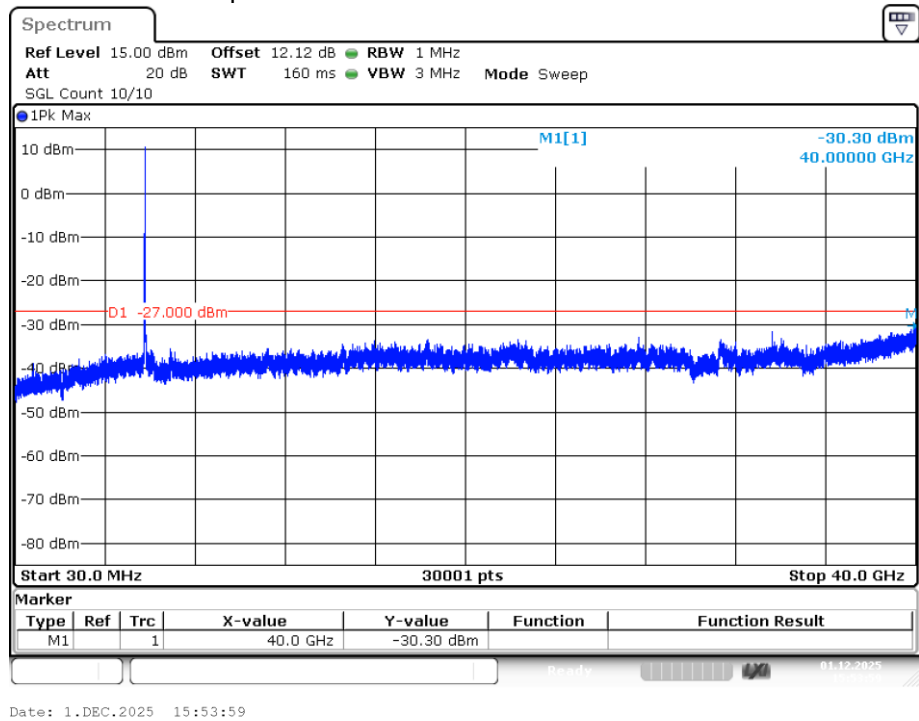
Tx. Spurious NVNT a 5825MHz Ant1 Emission



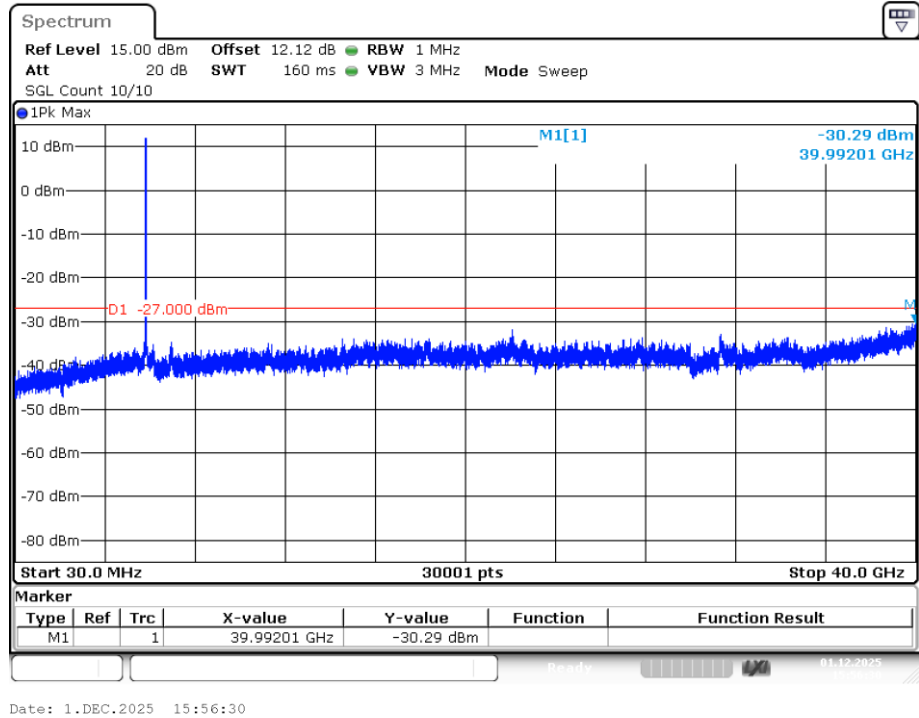
Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



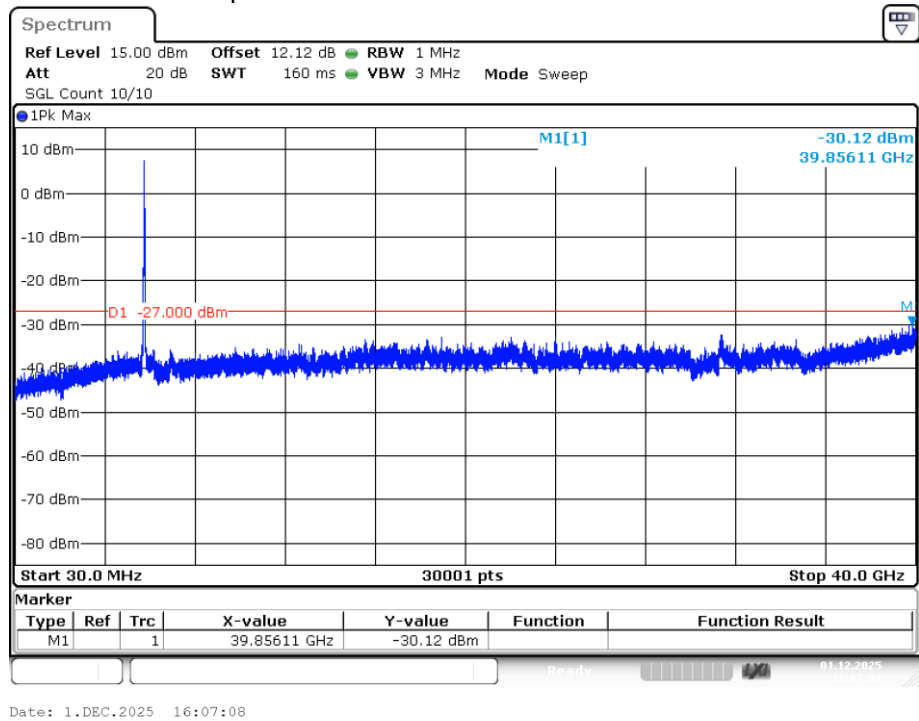
Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



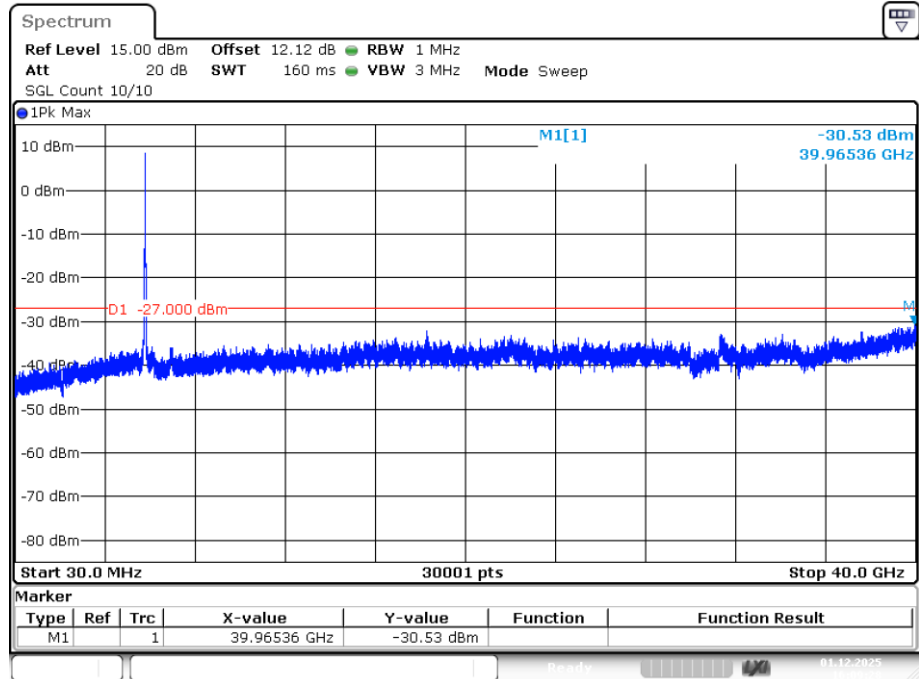
Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



Tx. Spurious NVNT ac40 5755MHz Ant1 Emission

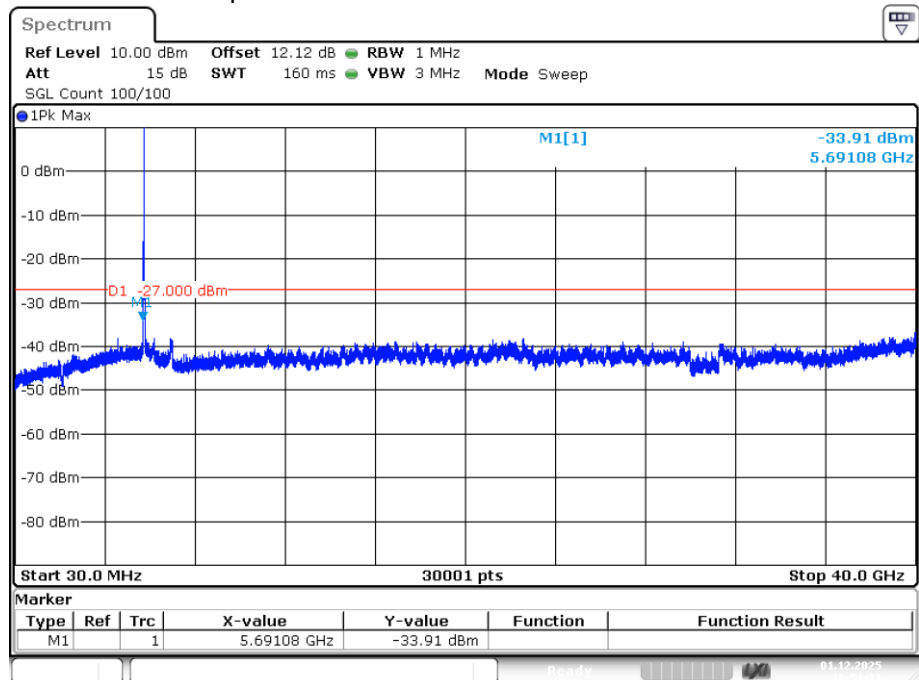


Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



Date: 1.DEC.2025 16:09:28

Tx. Spurious NVNT ax20 5745MHz Ant1 Emission



Date: 1.DEC.2025 18:51:31