

Above 1GHz:**802.11a(HT20) 5180MHz**

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
10360.74	50.27	11.25	14.62	32.65	43.49	74	-30.51	Vertical
15540.71	51.39	11.93	17.66	34.46	46.52	74	-27.48	Vertical
10360.03	52.56	9.4	14.62	32.65	43.93	74	-30.07	Horizontal
15540.50	53.83	8.5	17.66	34.46	45.53	74	-28.47	Horizontal

802.11a(HT20) 5200MHz

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
10360.98	50.32	16.29	14.62	32.65	48.58	74	-25.42	Vertical
15540.82	51.80	21.83	17.66	34.46	56.83	74	-17.17	Vertical
10360.07	52.07	8.73	14.62	32.65	42.77	74	-31.23	Horizontal
15540.53	53.55	11.73	17.66	34.46	48.48	74	-25.52	Horizontal

802.11a(HT20) 5240MHz

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
10360.92	50.09	11.25	14.62	32.65	43.31	74	-30.69	Vertical
15540.68	51.13	11.93	17.66	34.46	46.26	74	-27.74	Vertical
10360.43	52.50	9.4	14.62	32.65	43.87	74	-30.13	Horizontal
15540.12	53.95	8.5	17.66	34.46	45.65	74	-28.35	Horizontal

802.11n(HT20) 5180MHz

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
10360.10	50.77	16.29	14.62	32.65	49.03	74	-24.97	Vertical
15540.76	51.72	21.83	17.66	34.46	56.75	74	-17.25	Vertical
10360.63	52.74	8.73	14.62	32.65	43.44	74	-30.56	Horizontal
15540.63	53.10	11.73	17.66	34.46	48.03	74	-25.97	Horizontal

802.11n(HT20) 5200MHz

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
10360.89	50.18	11.25	14.62	32.65	43.40	74	-30.60	Vertical
15540.06	51.89	11.93	17.66	34.46	47.02	74	-26.98	Vertical
10360.51	52.20	9.4	14.62	32.65	43.57	74	-30.43	Horizontal
15540.36	53.88	8.5	17.66	34.46	45.58	74	-28.42	Horizontal

802.11n(HT20) 5240MHz

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
10360.72	50.57	16.29	14.62	32.65	48.83	74	-25.17	Vertical
15540.93	51.21	21.83	17.66	34.46	56.24	74	-17.76	Vertical
10360.15	52.91	8.73	14.62	32.65	43.61	74	-30.39	Horizontal
15540.51	53.92	11.73	17.66	34.46	48.85	74	-25.15	Horizontal

802.11n(HT40) 5190MHz

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
10360.52	50.34	16.29	14.62	32.65	48.60	74	-25.40	Vertical
15540.26	51.58	21.83	17.66	34.46	56.61	74	-17.39	Vertical
10360.88	52.18	8.73	14.62	32.65	42.88	74	-31.12	Horizontal
15540.68	53.20	11.73	17.66	34.46	48.13	74	-25.87	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.

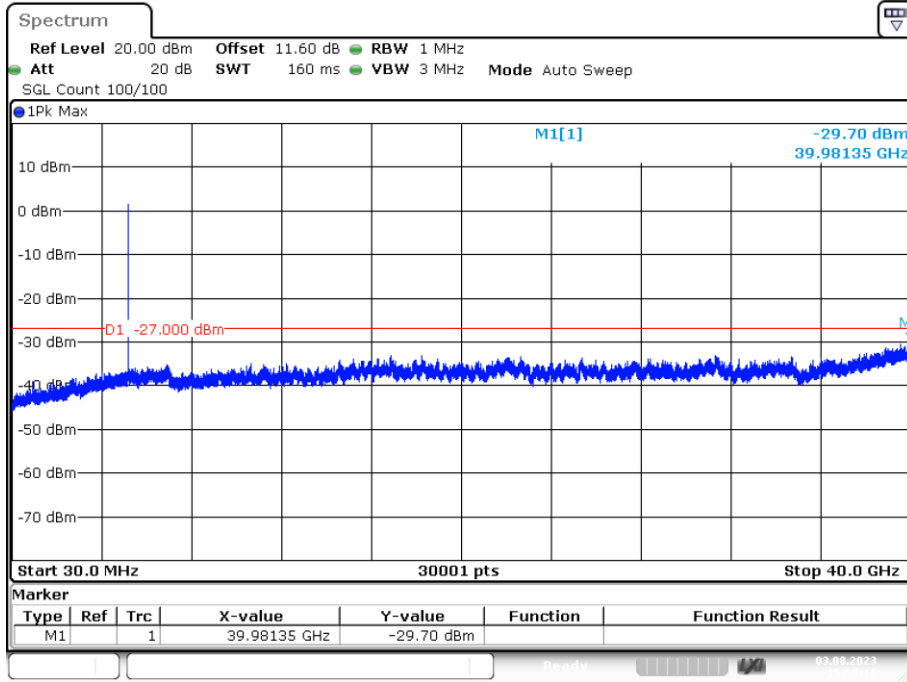
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

4. This Report only show the test plots of the worst case (U-NII-1).

Conducted RF Spurious Emission

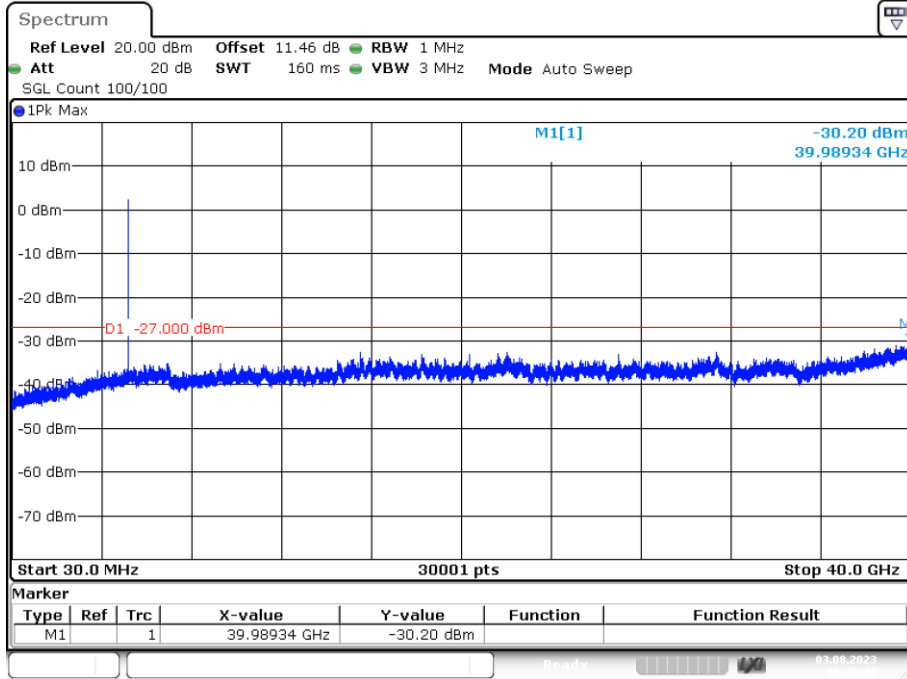
Band 1

Tx. Spurious NVNT a 5180MHz Ant1 Emission



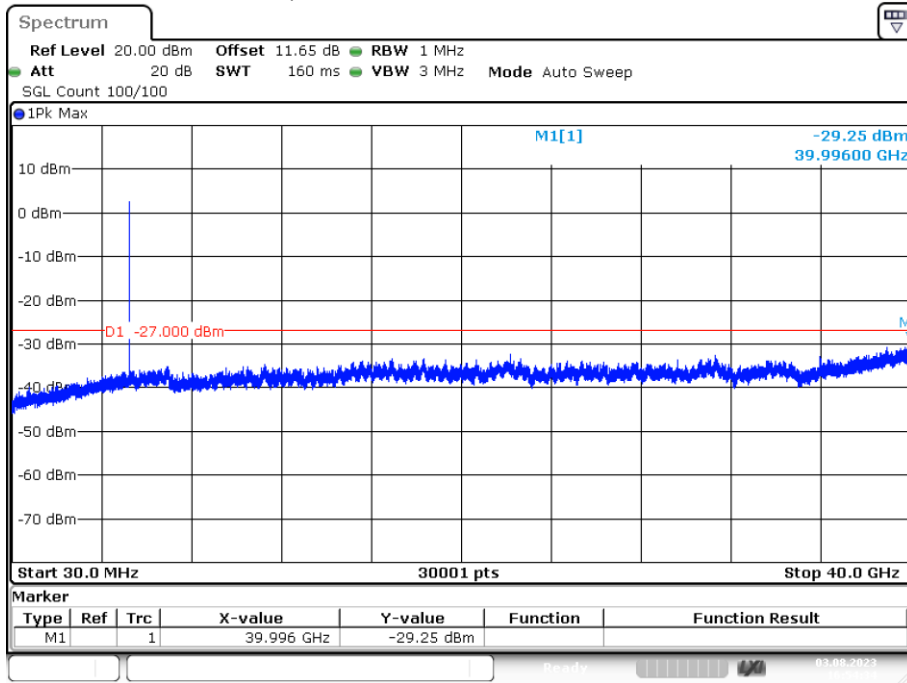
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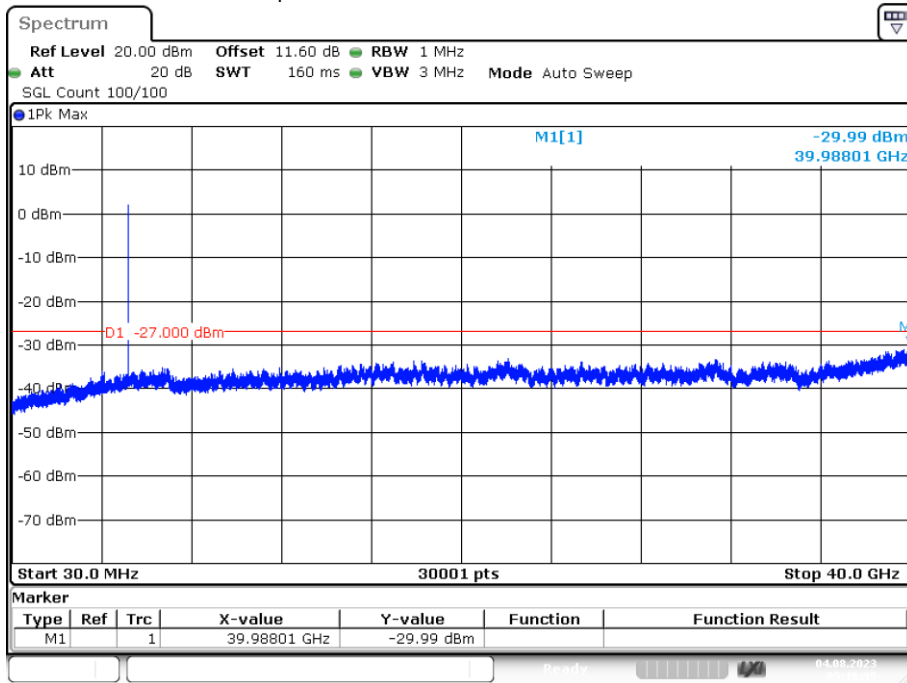


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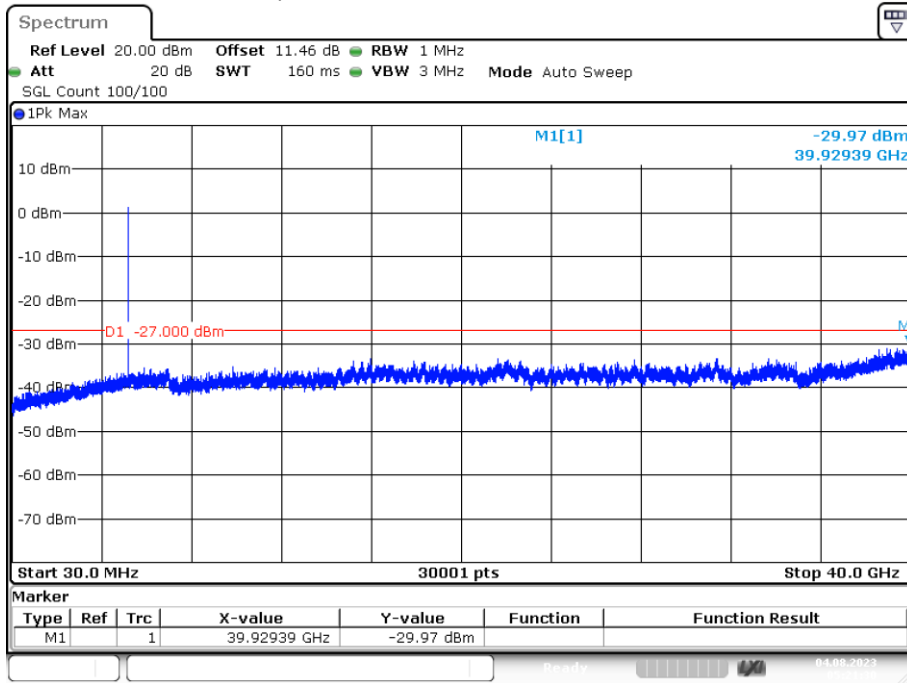
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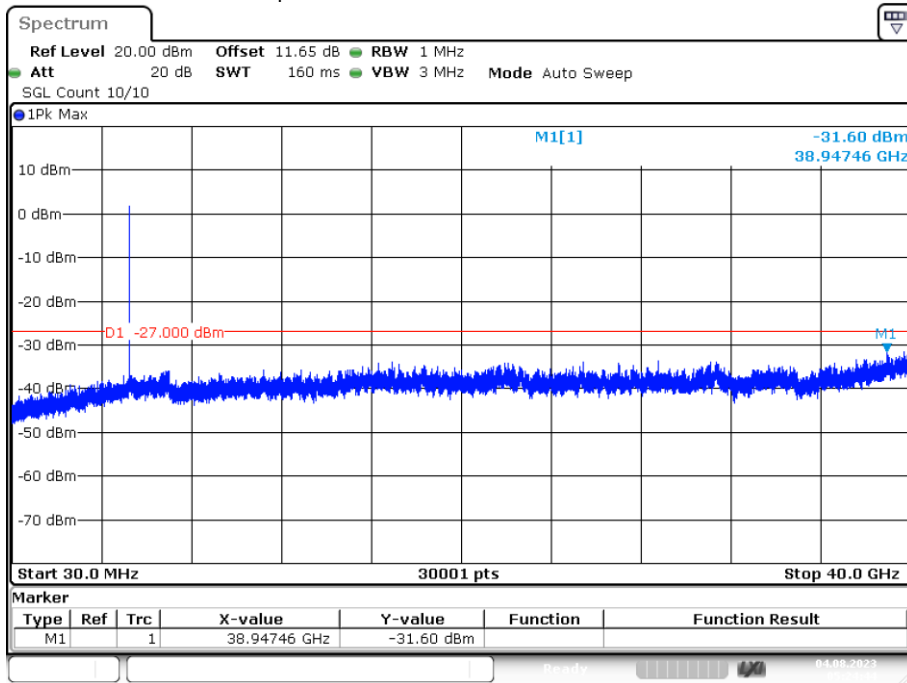
Tx. Spurious NVNT n20 5180MHz Ant1 Emission



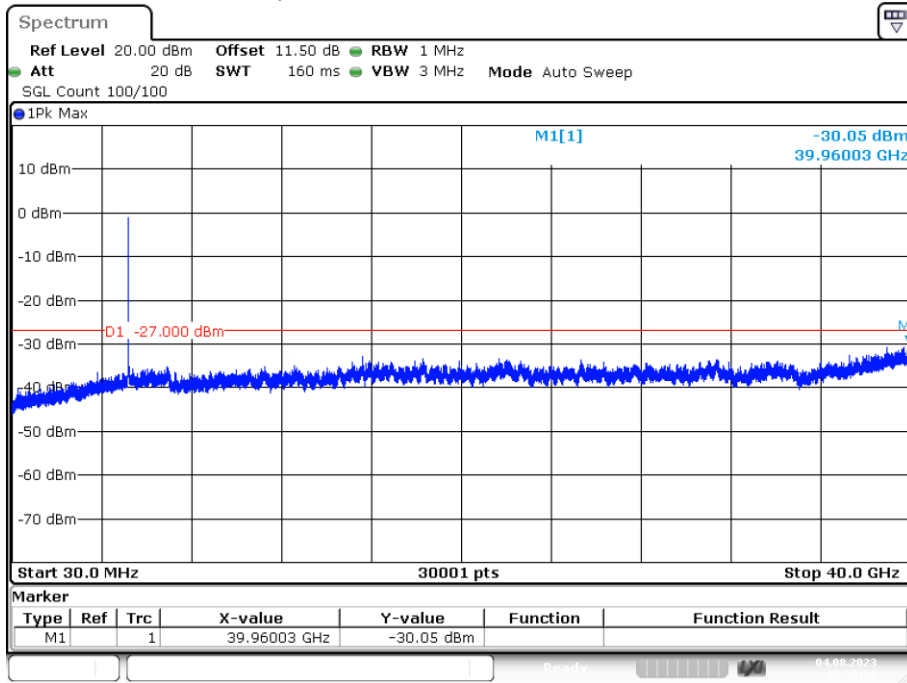
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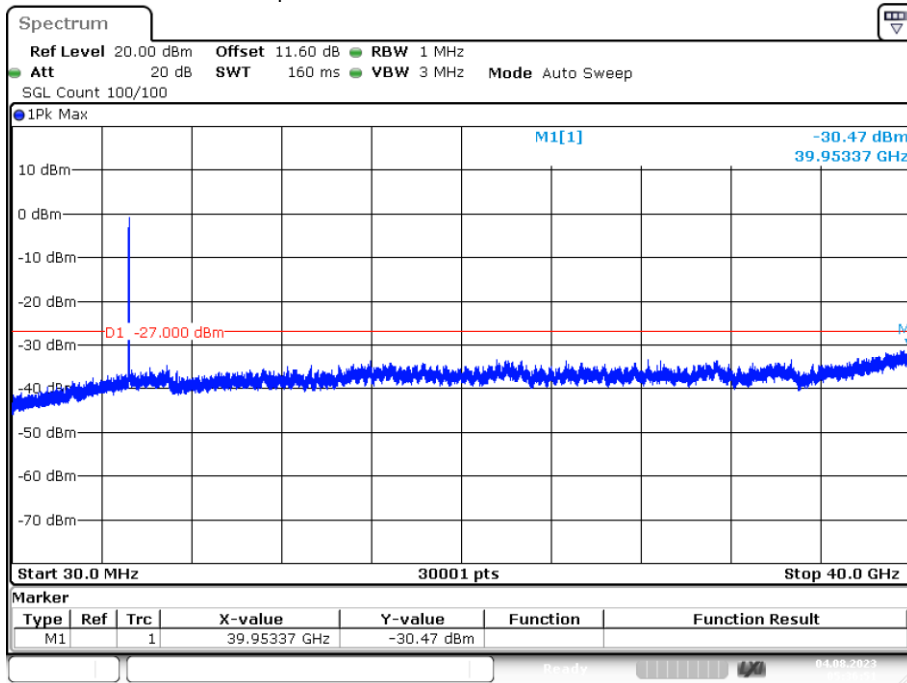
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Tx. Spurious NVNT n40 5190MHz Ant1 Emission



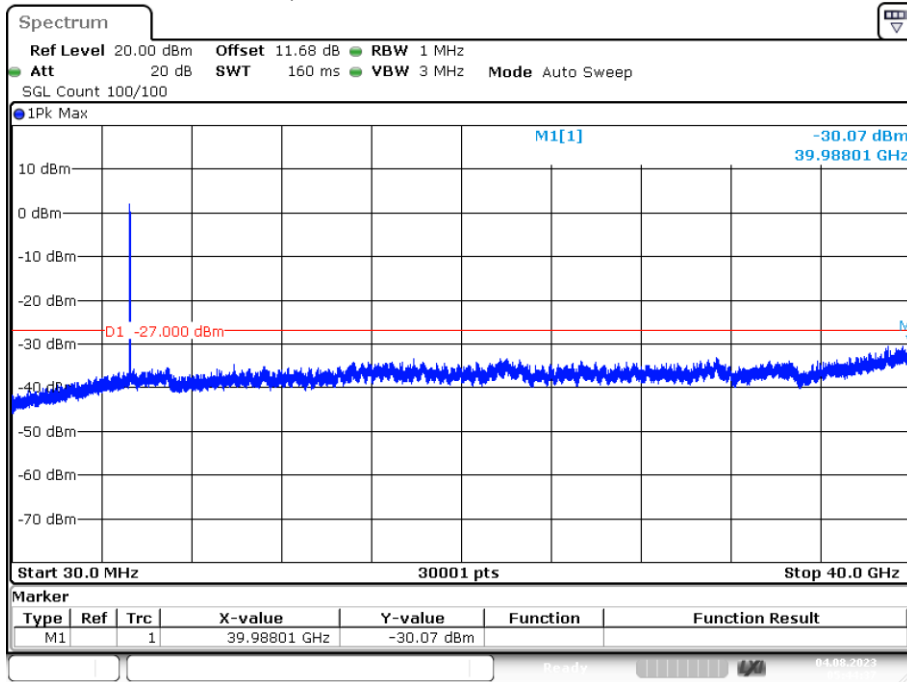
Tx. Spurious NVNT n40 5230MHz Ant1 Emission



Conducted RF Spurious Emission

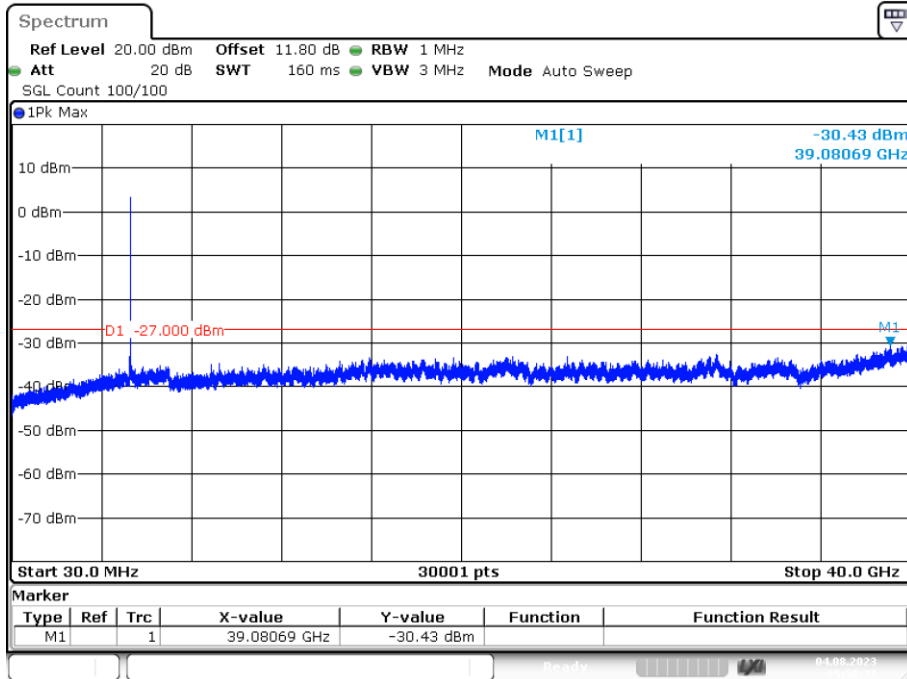
Band 2

Tx. Spurious NVNT a 5260MHz Ant1 Emission



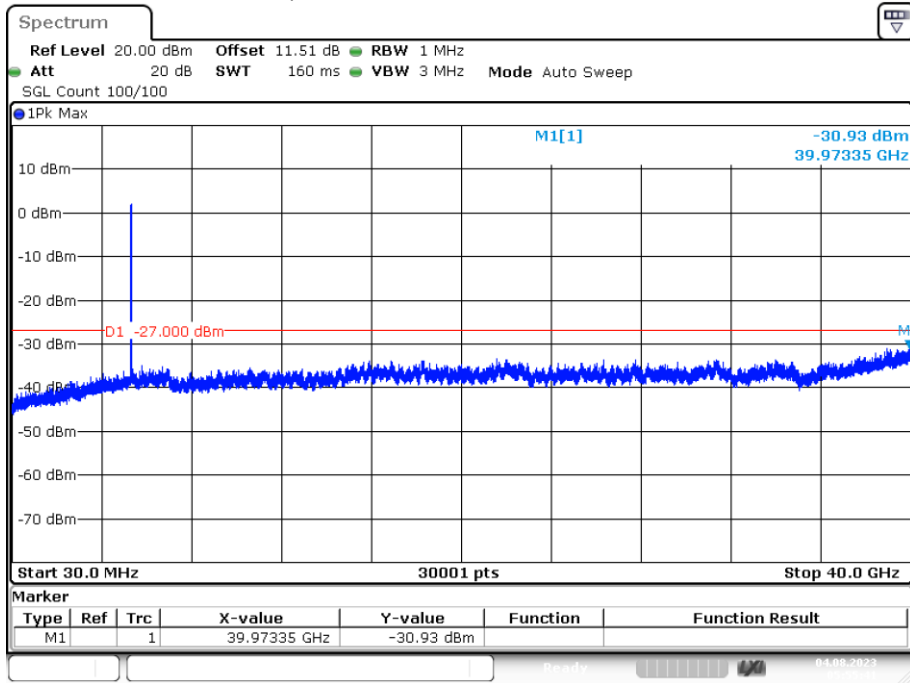
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Tx. Spurious NVNT a 5280MHz Ant1 Emission



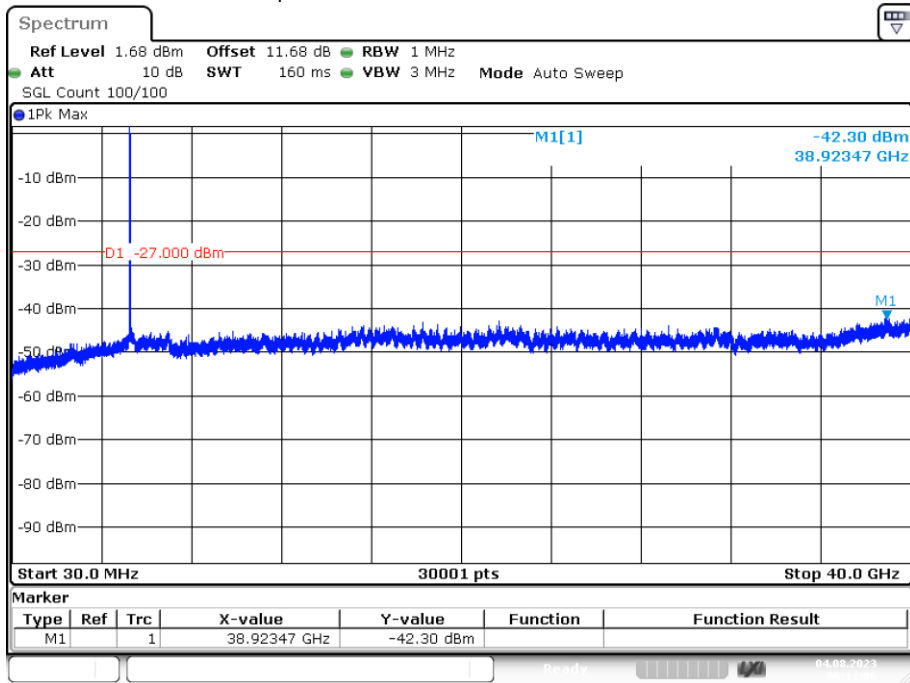
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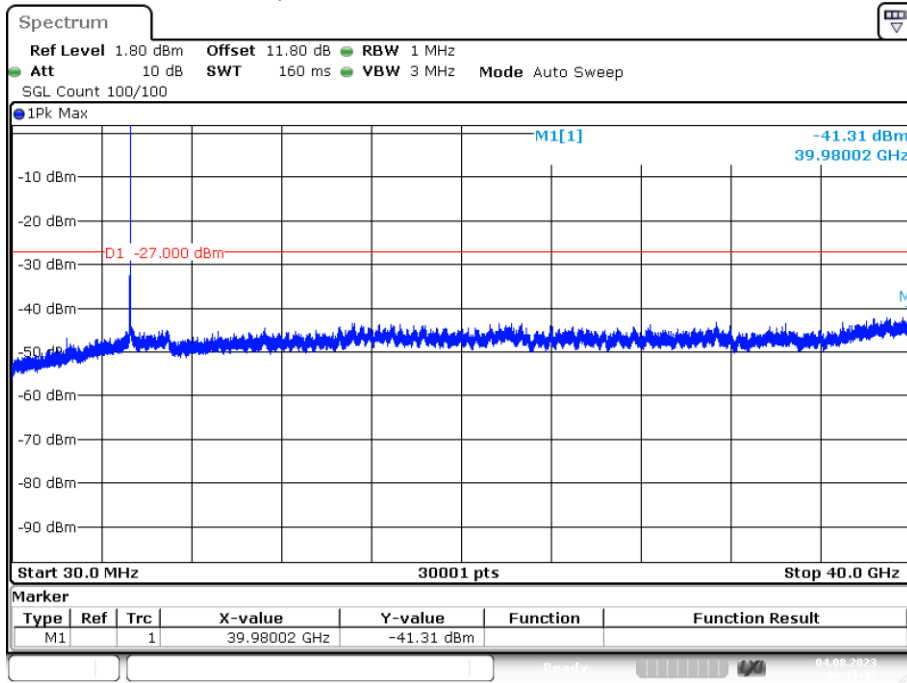
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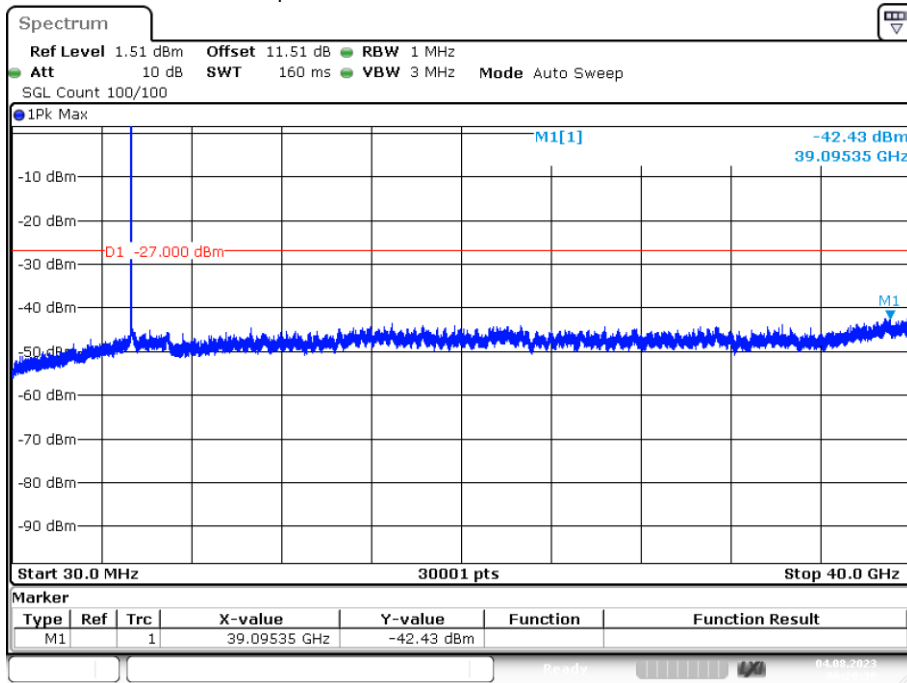
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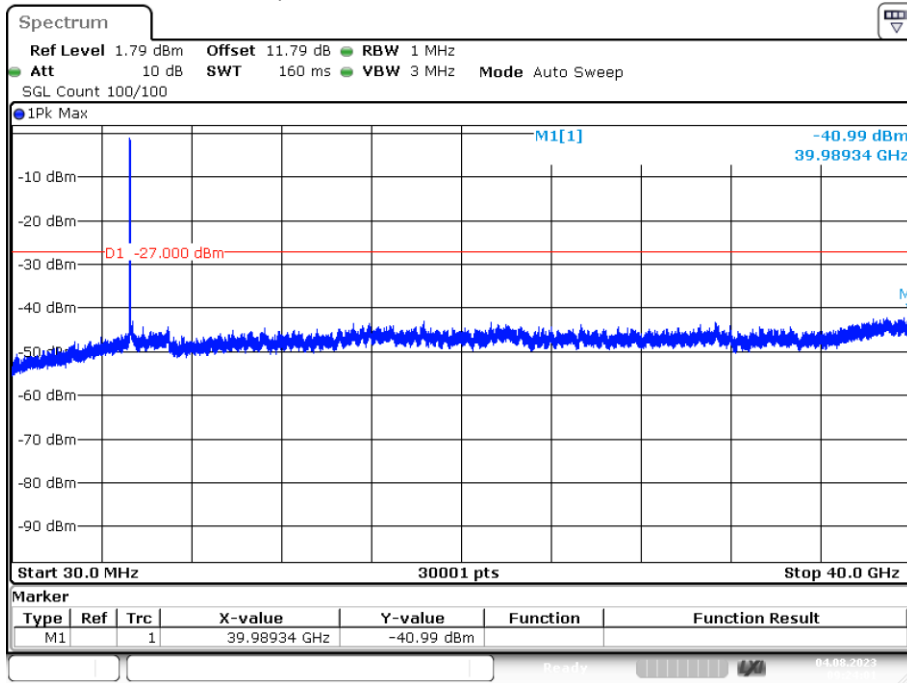
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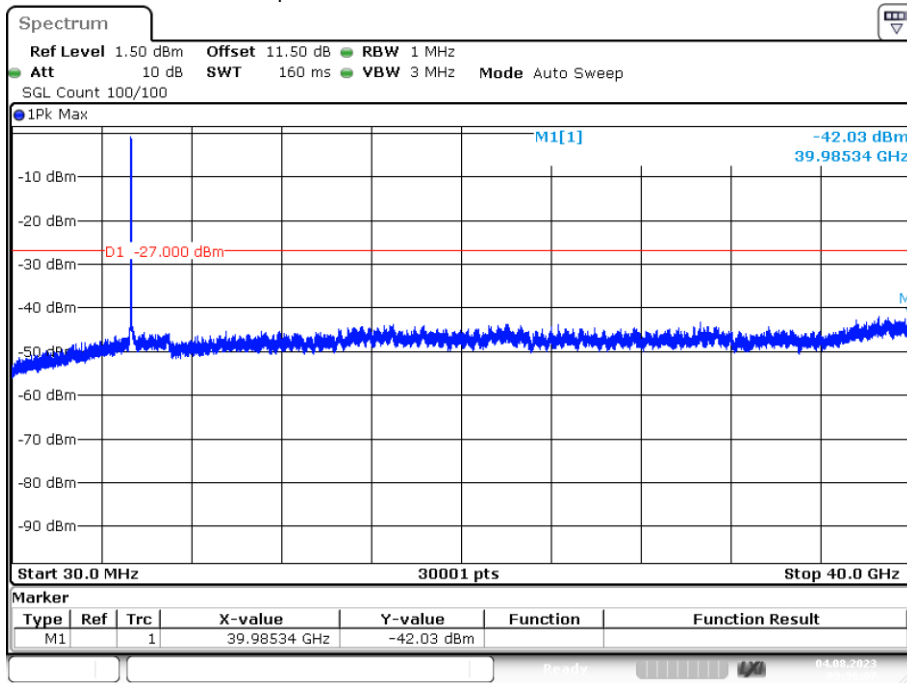
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Tx. Spurious NVNT n40 5270MHz Ant1 Emission



Date: 4.AUG.2023 09:24:01

Tx. Spurious NVNT n40 5310MHz Ant1 Emission

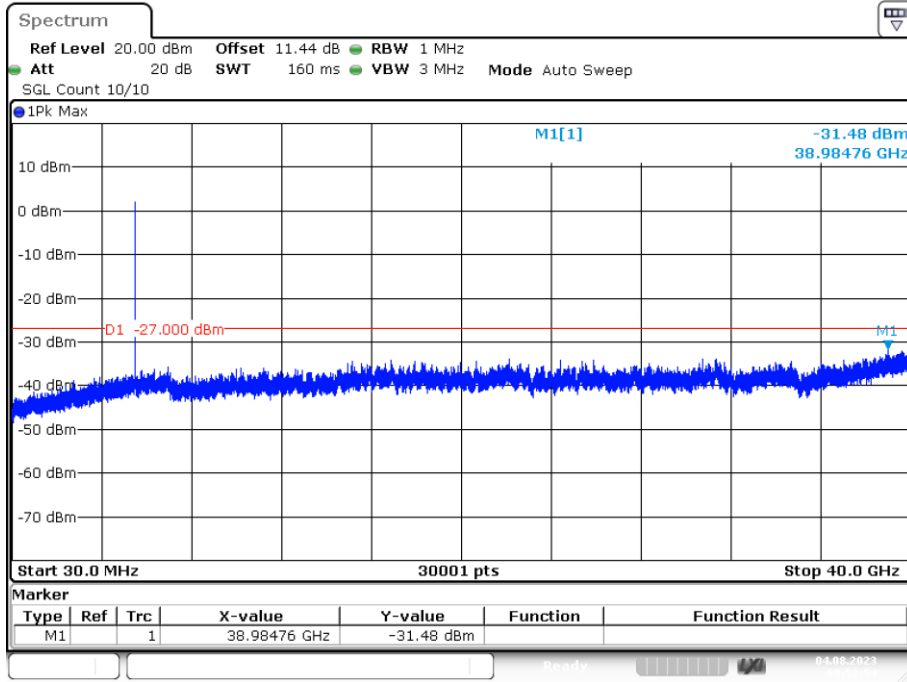


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Conducted RF Spurious Emission

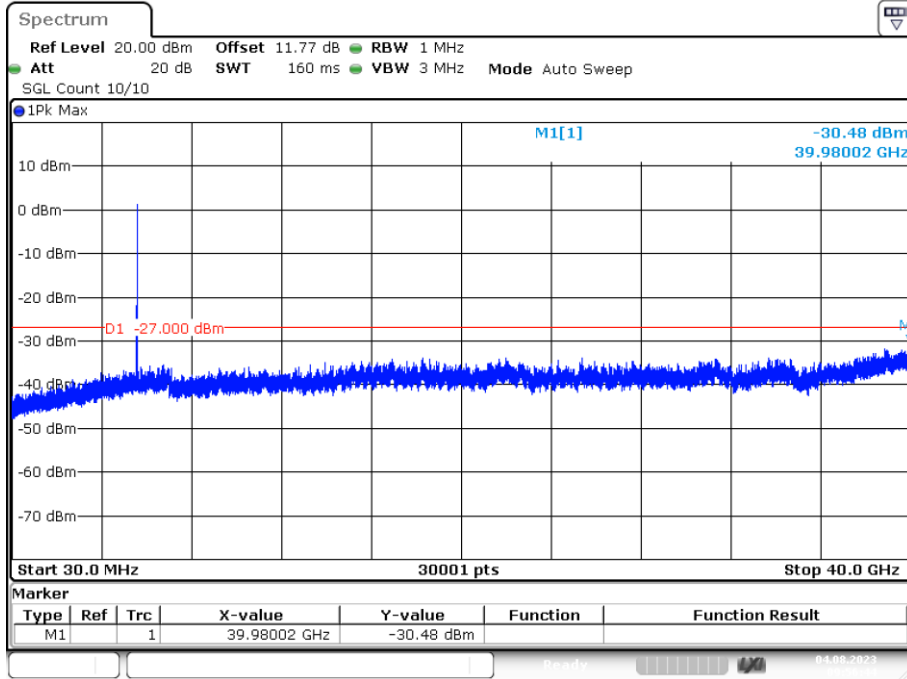
Band 3

Tx. Spurious NVNT a 5500MHz Ant1 Emission



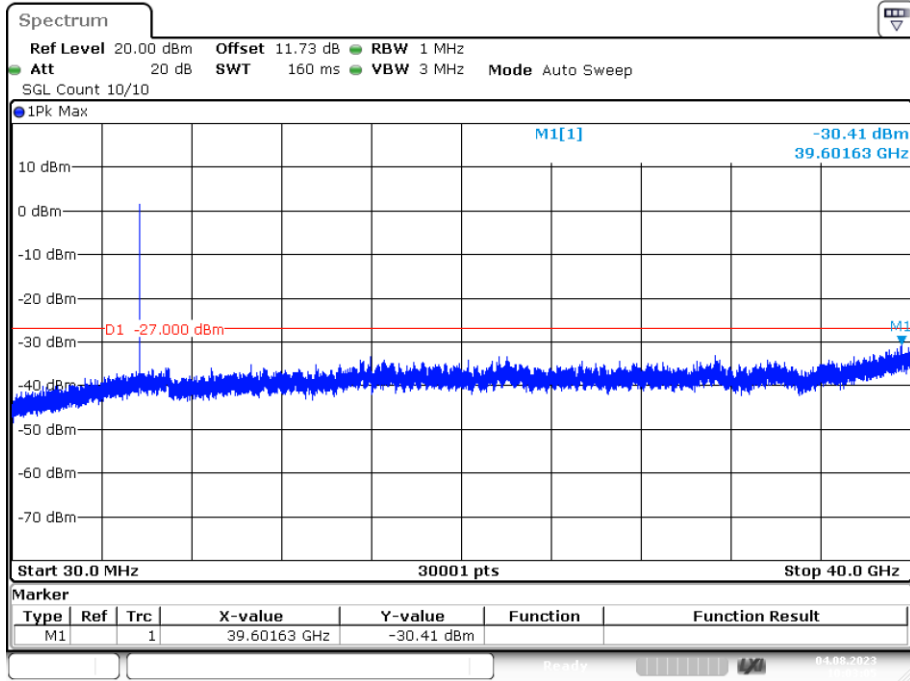
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Tx. Spurious NVNT a 5580MHz Ant1 Emission



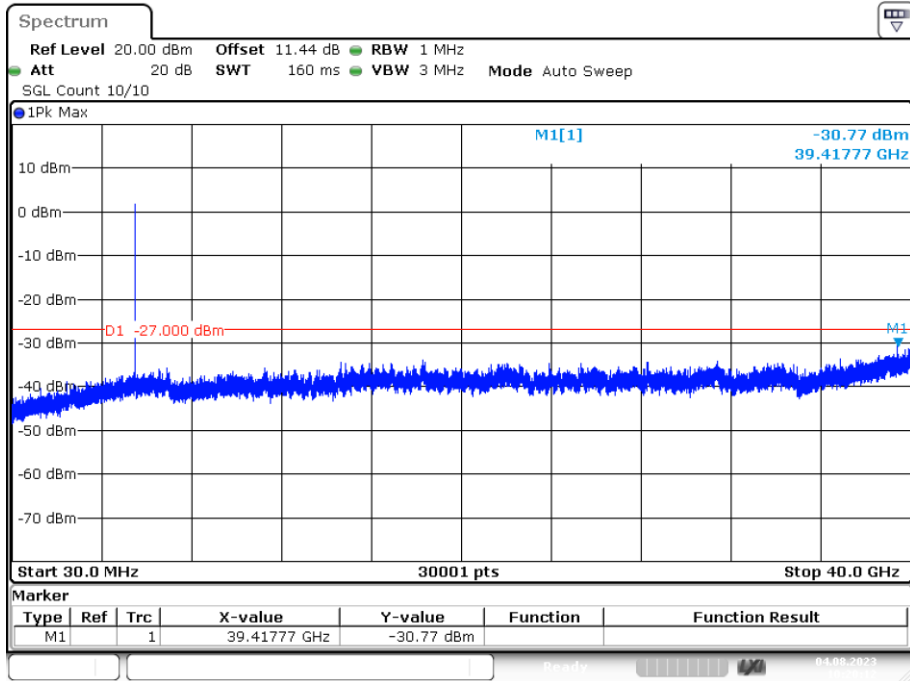
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Tx. Spurious NVNT a 5700MHz Ant1 Emission



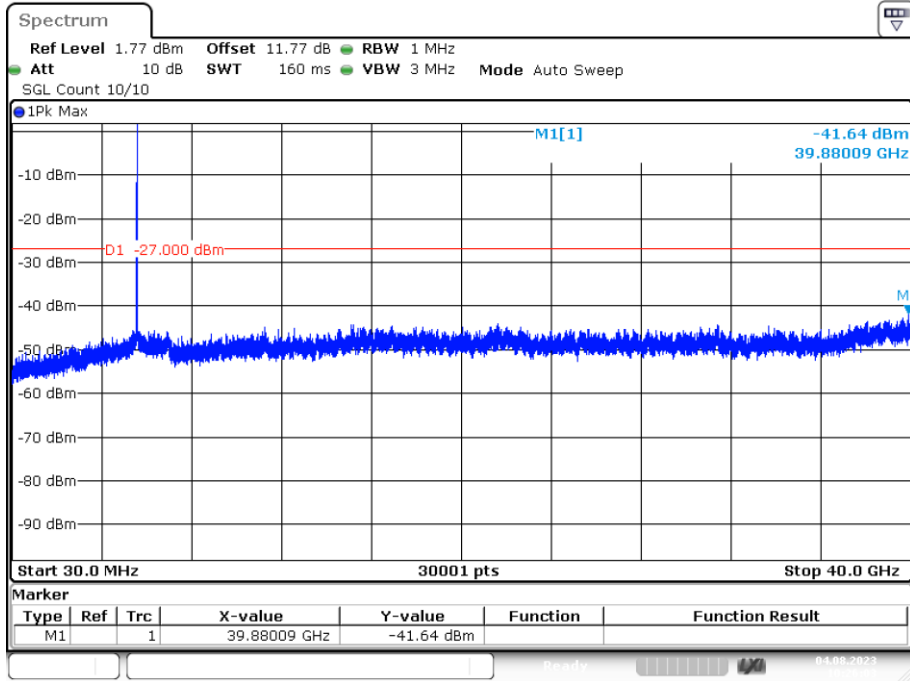
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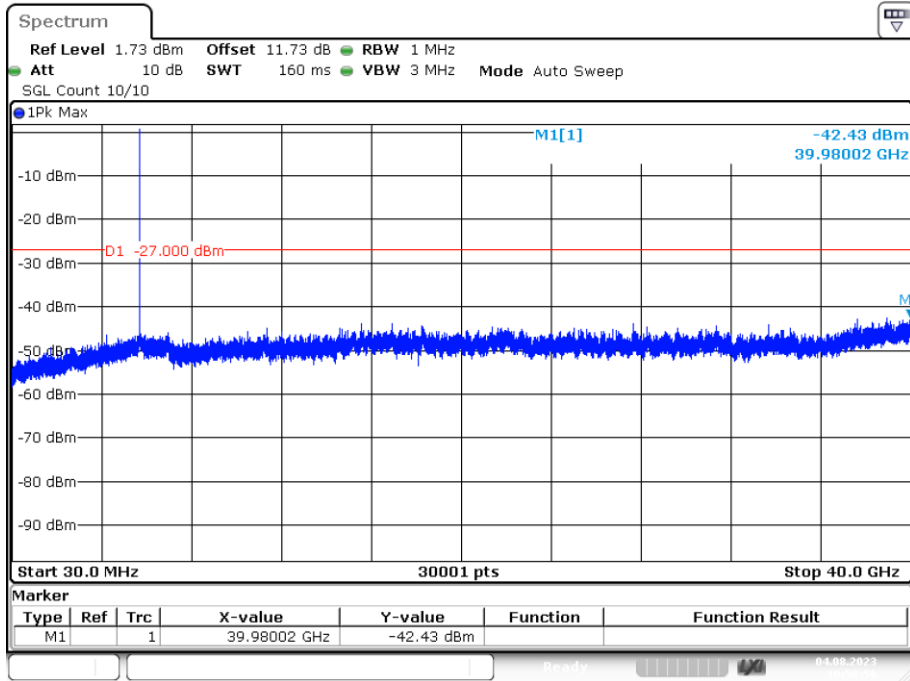


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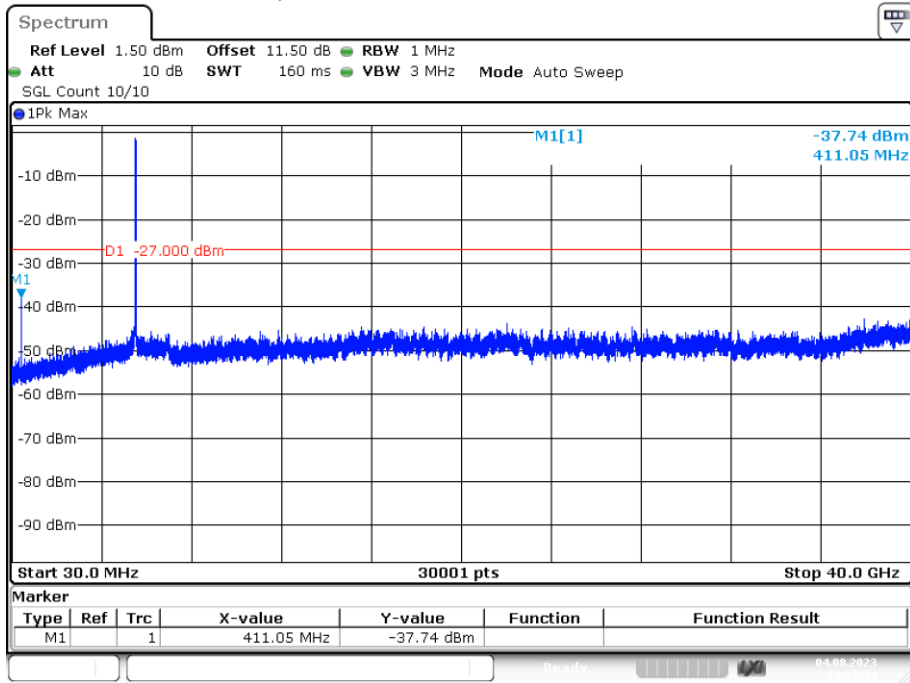
Tx. Spurious NVNT n20 5580MHz Ant1 Emission



Tx. Spurious NVNT n20 5700MHz Ant1 Emission

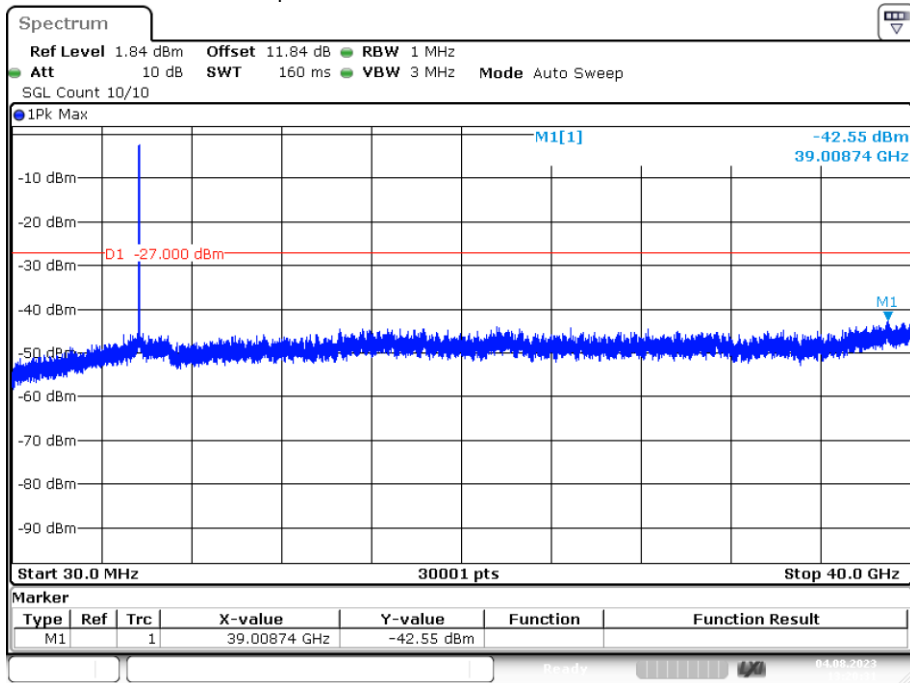


Tx. Spurious NVNT n40 5510MHz Ant1 Emission



Date: 4.AUG.2023 13:18:34

Tx. Spurious NVNT n40 5670MHz Ant1 Emission

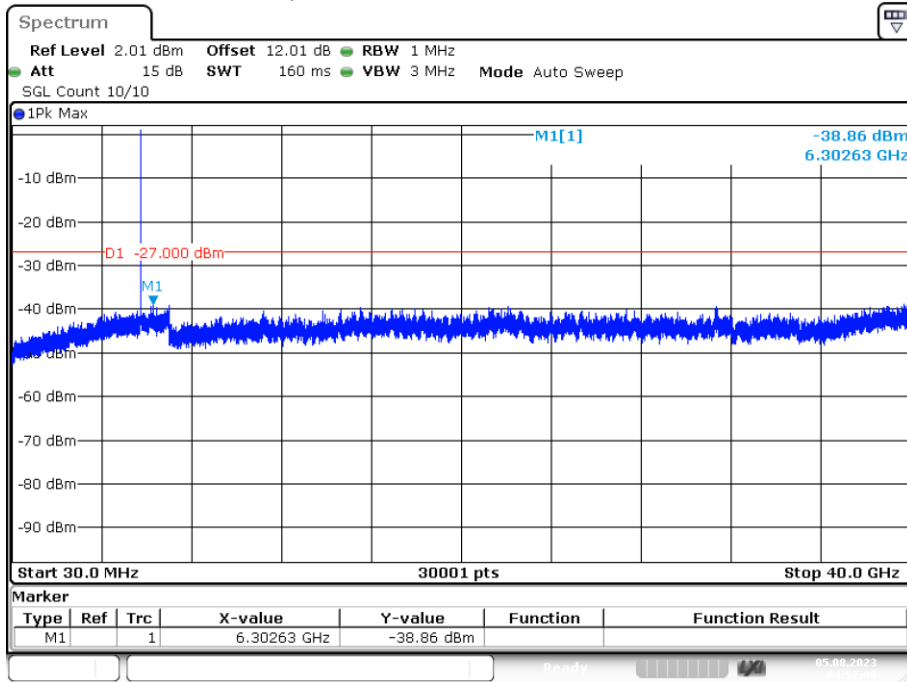


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Conducted RF Spurious Emission

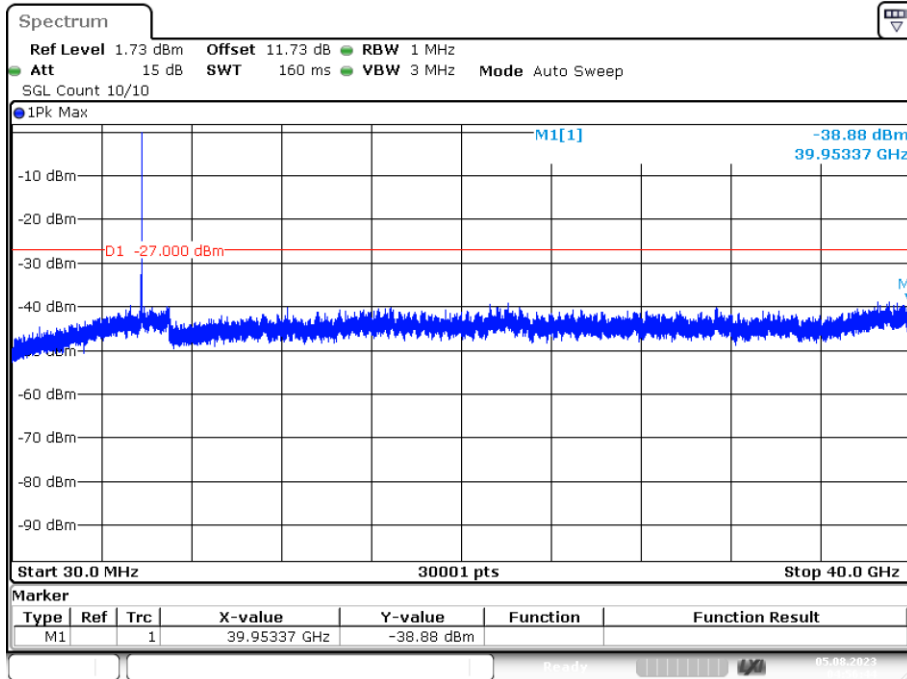
Band 4

Tx. Spurious NVNT a 5745MHz Ant1 Emission



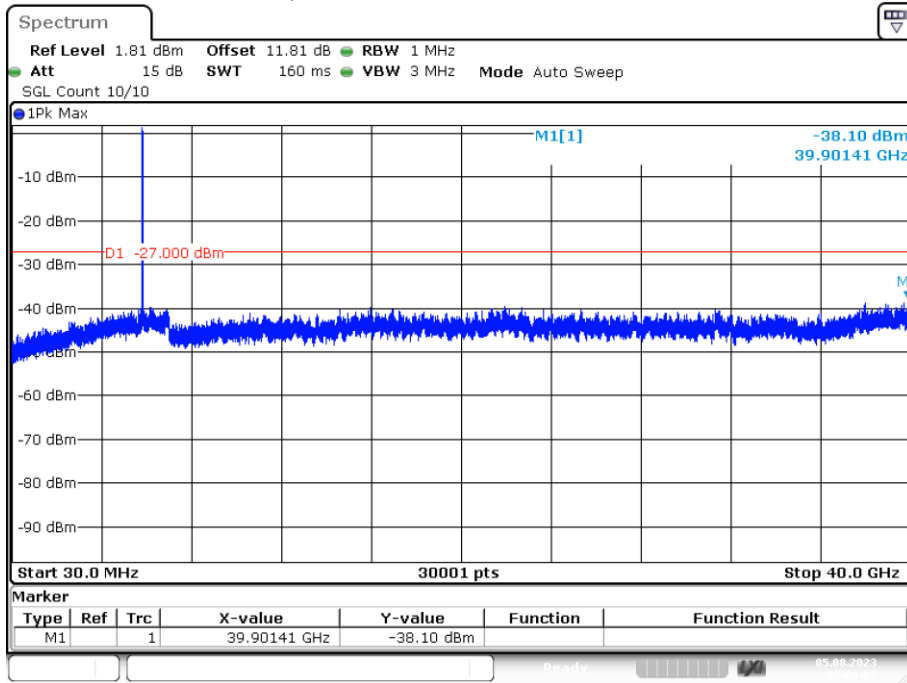
Date: 5.AUG.2023 04:52:00

Tx. Spurious NVNT a 5785MHz Ant1 Emission



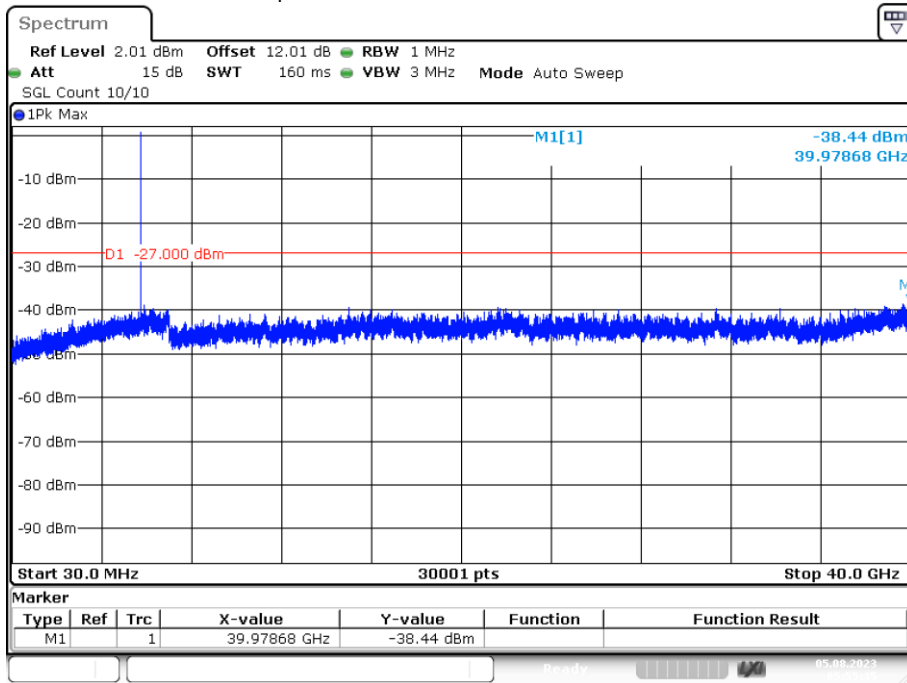
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Tx. Spurious NVNT a 5825MHz Ant1 Emission



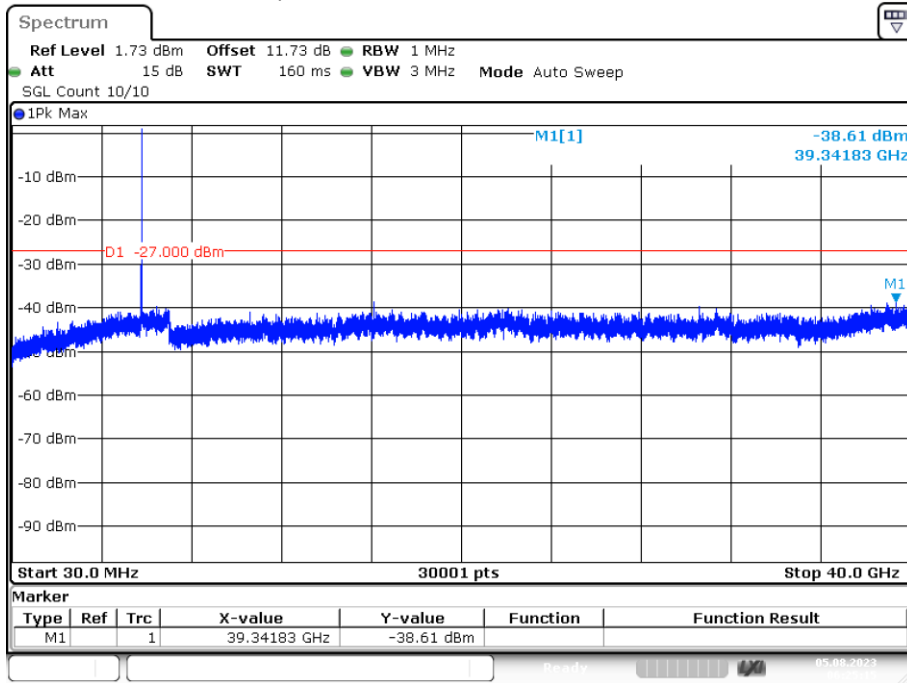
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Tx. Spurious NVNT n20 5745MHz Ant1 Emission



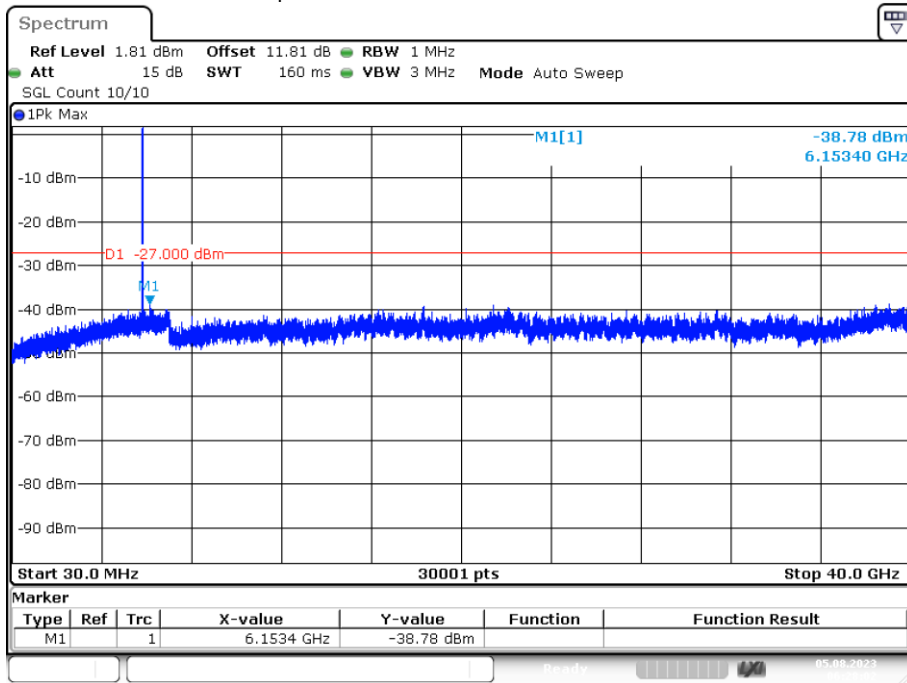
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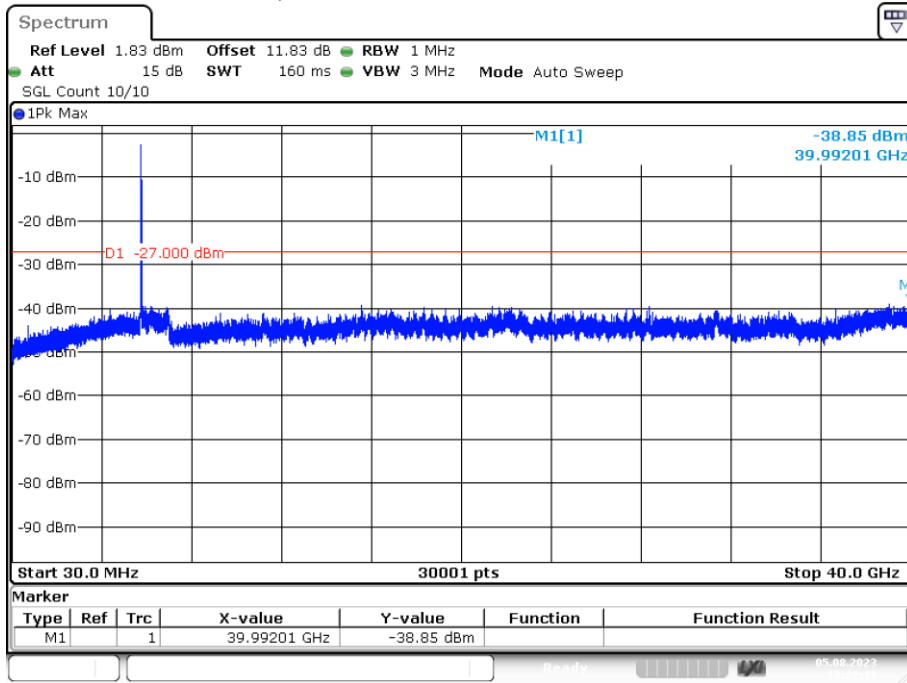
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Tx. Spurious NVNT n20 5825MHz Ant1 Emission



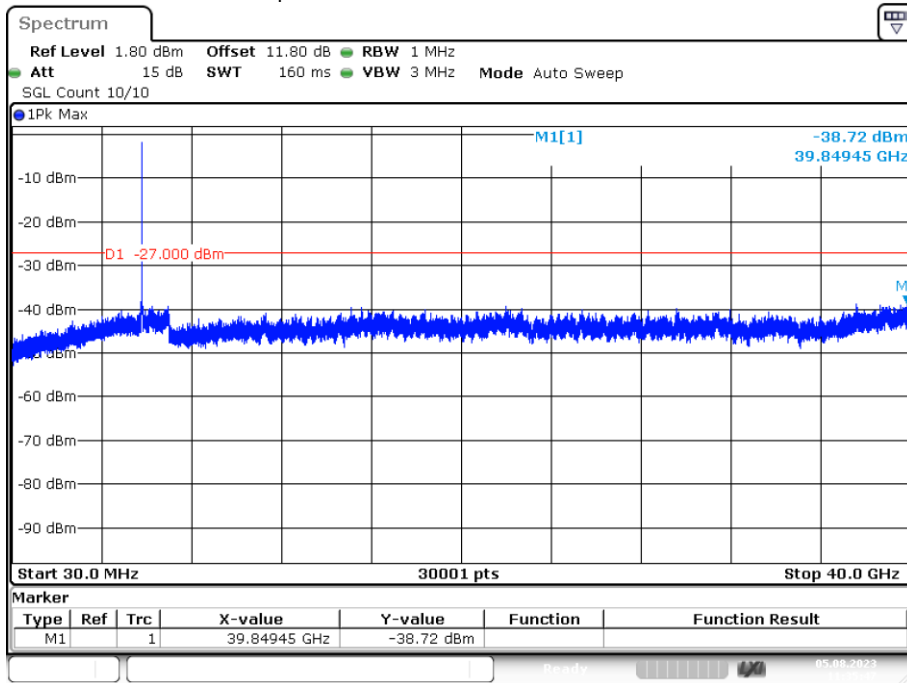
Date: 5.AUG.2023 06:28:02

Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Date: 5.AUG.2023 10:22:38

Tx. Spurious NVNT n40 5795MHz Ant1 Emission



Date: 5.AUG.2023 11:35:47

4.8 Frequency stability

Test Standard	15.407(f), RSS-Gen §6.11
Test limit	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
Test results:	Pass

Measurement Data:

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	DC 4.5V	5179.998	2	5239.992	8
	DC 5.0V	5179.995	5	5239.994	6
	DC 5.5V	5179.997	3	5239.996	4
Mode	Voltage (V)	FHL (5260MHz)	Deviation (KHz)	FHH (5320MHz)	Deviation (KHz)
Band 2 (5250-5350 MHz)	DC 4.5V	5259.993	7	5319.995	5
	DC 5.0V	5259.993	7	5319.995	5
	DC 5.5V	5259.996	4	5319.997	3
Mode	Voltage (V)	FHL (5500MHz)	Deviation (KHz)	FHH (5700MHz)	Deviation (KHz)
Band 3 (5470-5725 MHz)	DC 4.5V	5499.996	4	5699.996	4
	DC 5.0V	5499.995	5	5699.994	6
	DC 5.5V	5499.993	7	5699.993	7
Mode	Voltage (V)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
Band 4 (5725-5850 MHz)	DC 4.5V	5744.996	4	5824.993	7
	DC 5.0V	5744.995	5	5824.992	8
	DC 5.5V	5744.994	6	5824.993	7

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	-10°C	5179.996	4	5239.996	4
	-5°C	5179.997	3	5239.992	8
	0°C	5179.996	4	5239.996	4
	+10°C	5179.993	7	5239.997	3
	+20°C	5179.997	3	5239.994	6
	+30°C	5179.995	5	5239.995	5
	+40°C	5179.994	6	5239.995	5
	+50°C	5179.994	6	5239.991	9
	+60°C	5179.995	5	5239.996	4
Mode	Voltage (V)	FHL (5260MHz)	Deviation (KHz)	FHH (5320MHz)	Deviation (KHz)
Band 2 (5250-5350 MHz)	-10°C	5259.995	5	5319.996	4
	-5°C	5259.992	8	5319.997	3
	0°C	5259.996	4	5319.996	4
	+10°C	5259.992	8	5319.996	4
	+20°C	5259.992	8	5319.993	7
	+30°C	5259.992	8	5319.995	5
	+40°C	5259.994	6	5319.991	9
	+50°C	5259.997	3	5319.994	6
	+60°C	5259.995	5	5319.993	7

Mode	Voltage (V)	FHL (5500MHz)	Deviation (KHz)	FHH (5700MHz)	Deviation (KHz)
Band 3 (5470-5725 MHz)	-10°C	5499.993	7	5699.993	7
	-5°C	5499.995	5	5699.997	3
	0°C	5499.993	7	5699.994	6
	+10°C	5499.998	2	5699.991	9
	+20°C	5499.994	6	5699.996	4
	+30°C	5499.997	3	5699.991	9
	+40°C	5499.998	2	5699.993	7
	+50°C	5499.994	6	5699.992	8
	+60°C	5499.993	7	5699.996	4
Mode	Voltage (V)	FHL (5745MHz)	Deviation (KHz)	FHH (5825MHz)	Deviation (KHz)
Band 4 (5725-5850 MHz)	-10°C	5744.996	4	5824.993	7
	-5°C	5744.995	5	5824.996	4
	0°C	5744.996	4	5824.992	8
	+10°C	5744.995	5	5824.996	4
	+20°C	5744.997	3	5824.993	7
	+30°C	5744.998	2	5824.997	3
	+40°C	5744.993	7	5824.995	5
	+50°C	5744.995	5	5824.995	5
	+60°C	5744.992	8	5824.996	4

-----END OF REPORT-----