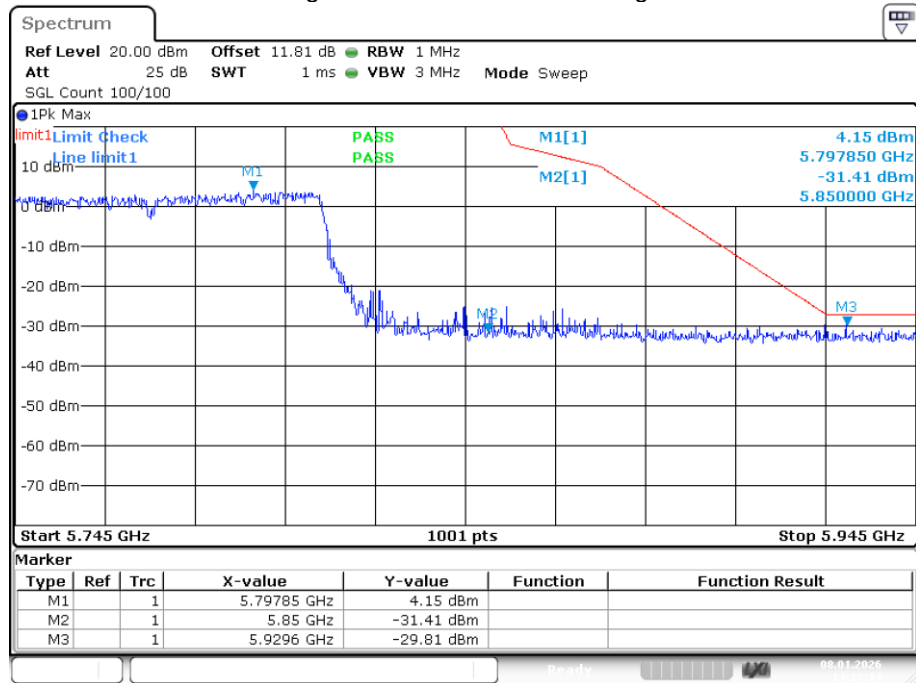
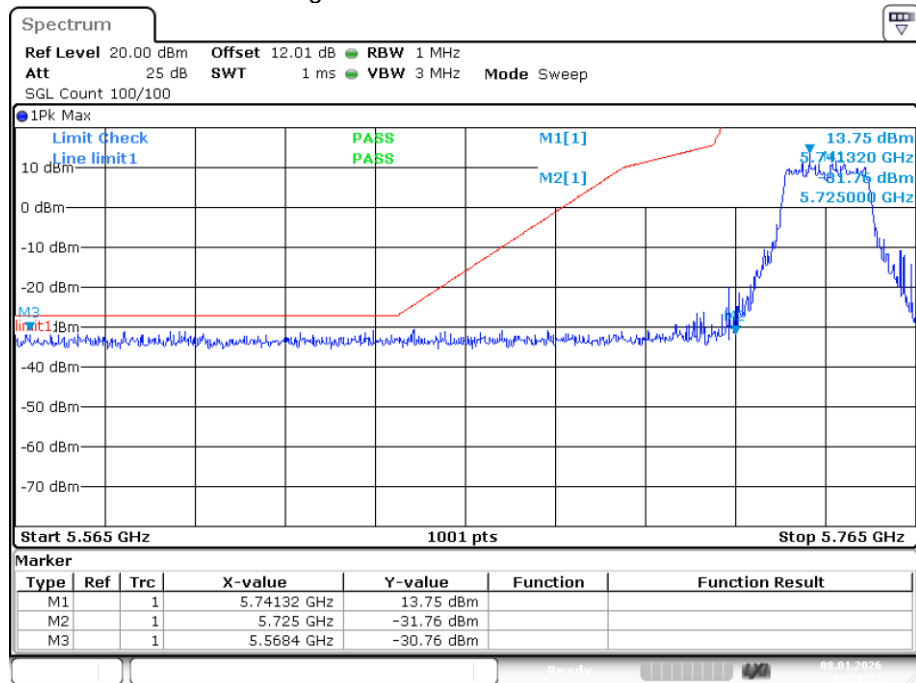


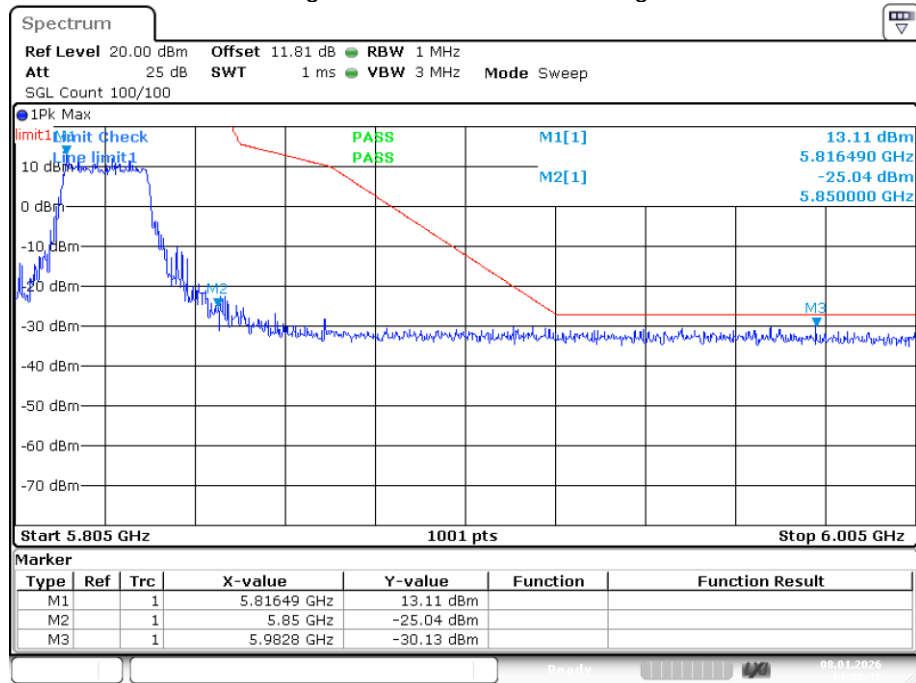
Band Edge NVNT ac80 5825MHz High Ant1



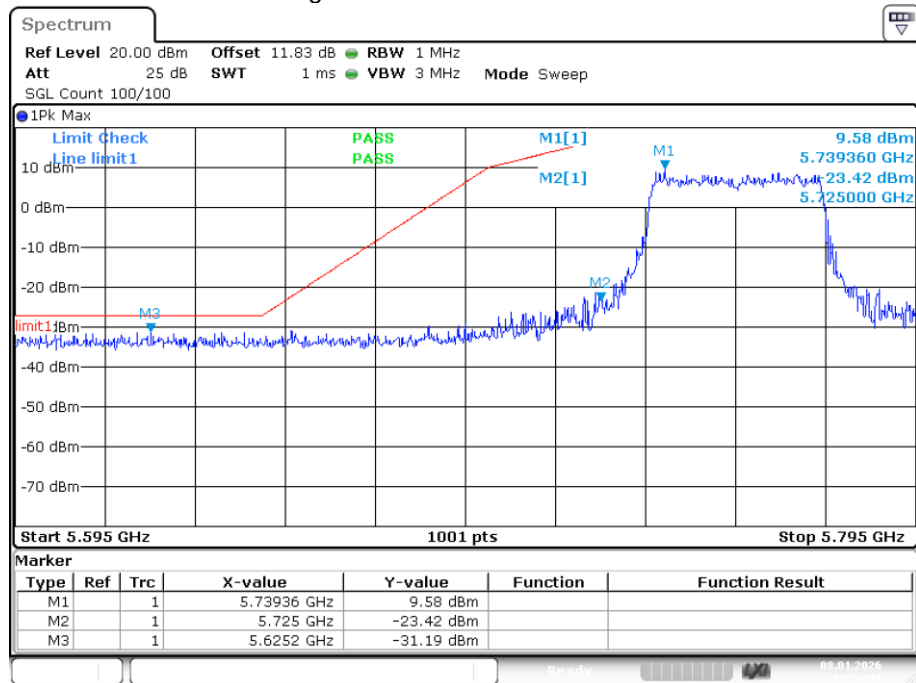
Band Edge NVNT ax20 5745MHz Low Ant1



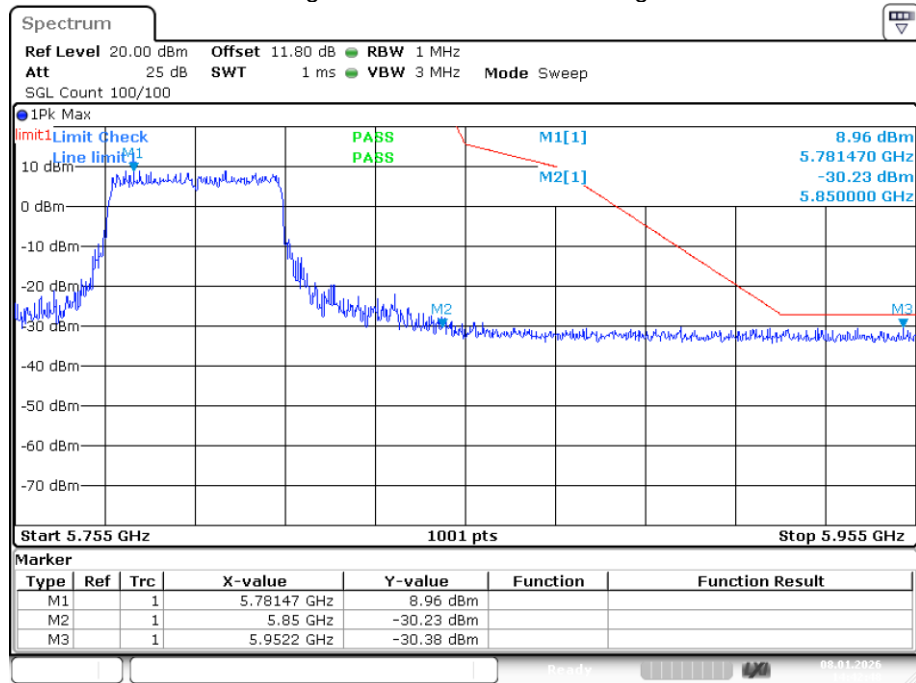
Band Edge NVNT ax20 5825MHz High Ant1



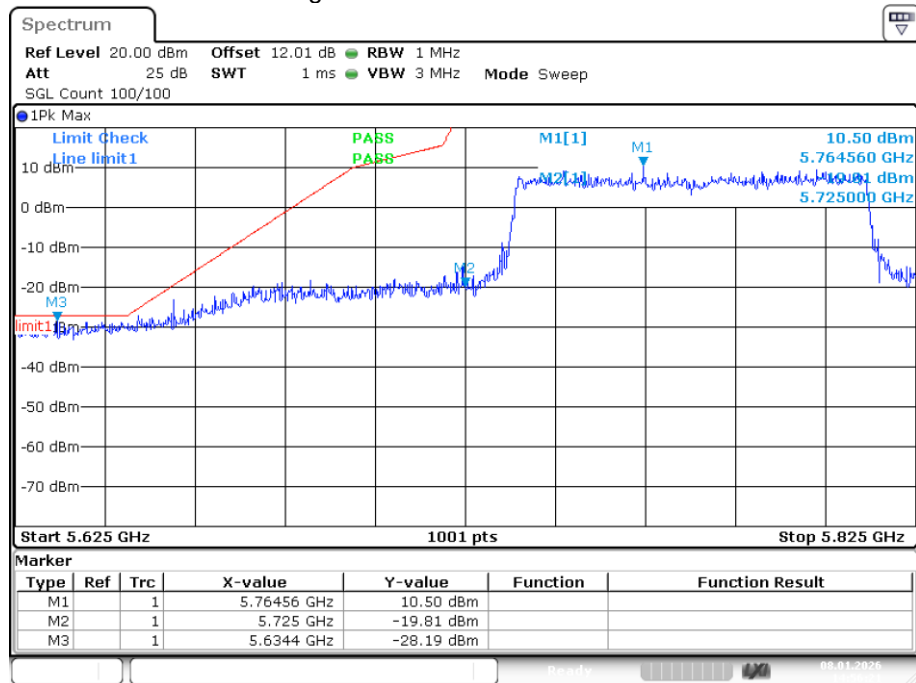
Band Edge NVNT ax40 5755MHz Low Ant1



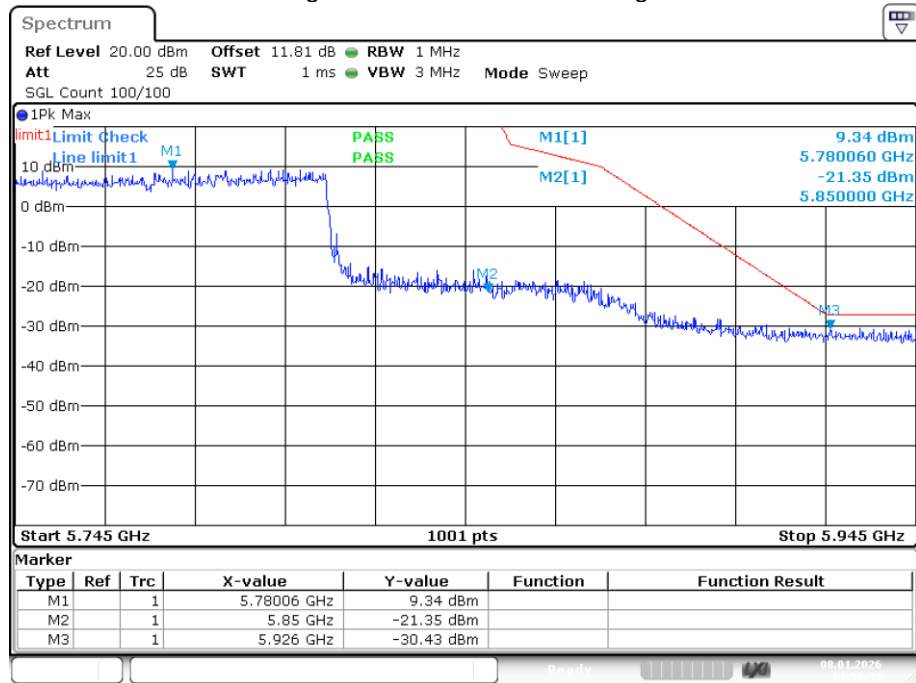
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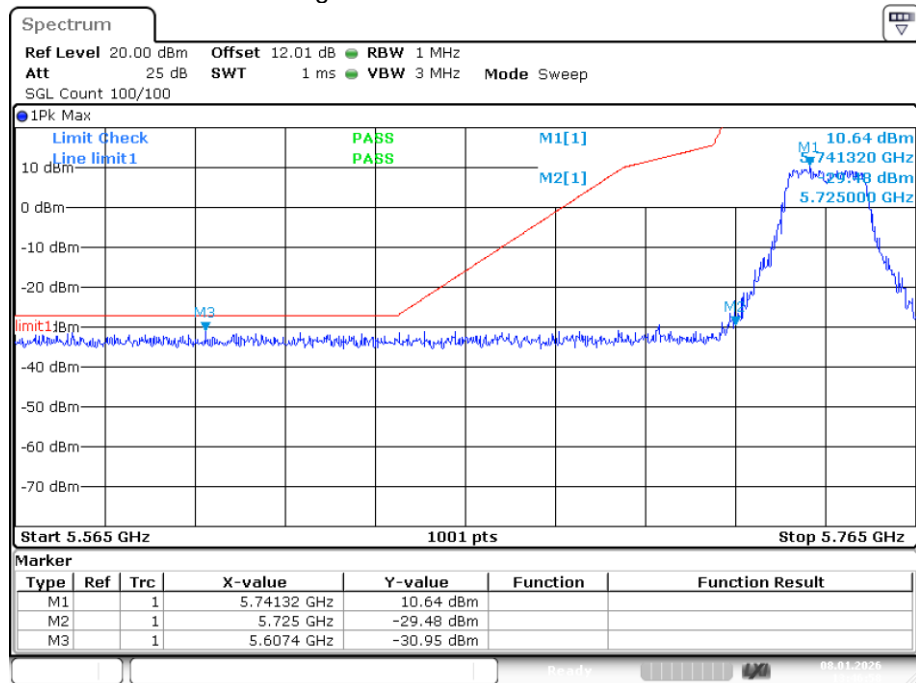
Band Edge NVNT ax80 5745MHz Low Ant1



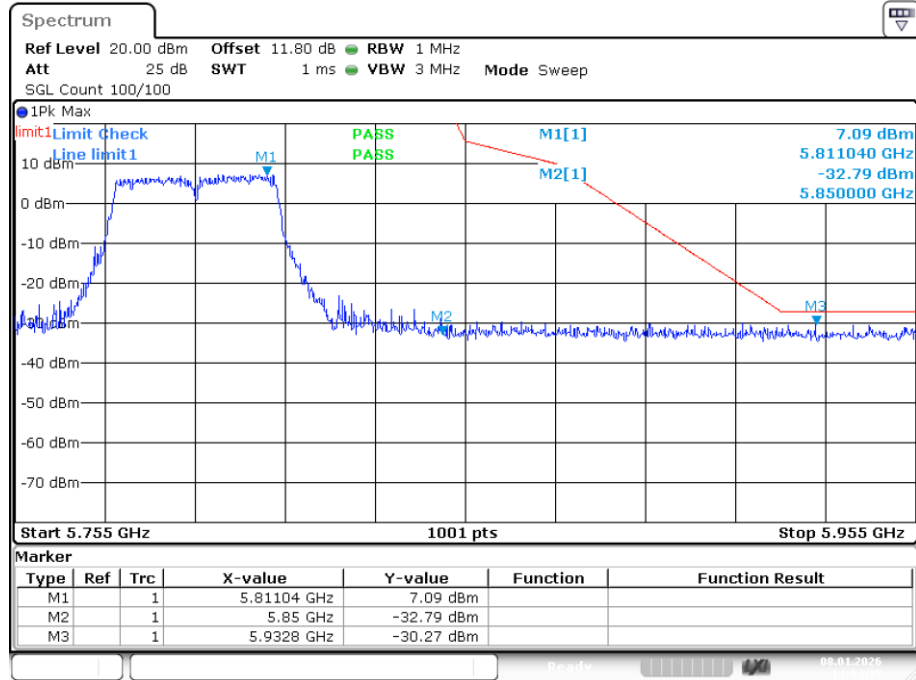
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Band Edge NVNT n20 5745MHz Low Ant1



Band Edge NVNT n40 5795MHz High Ant1

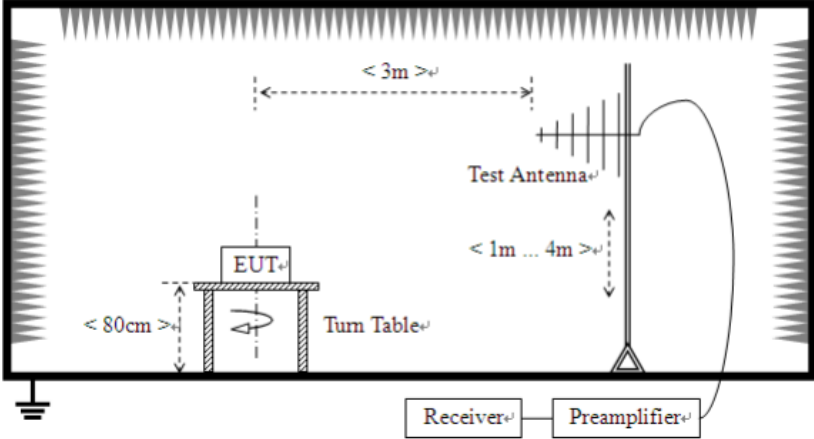


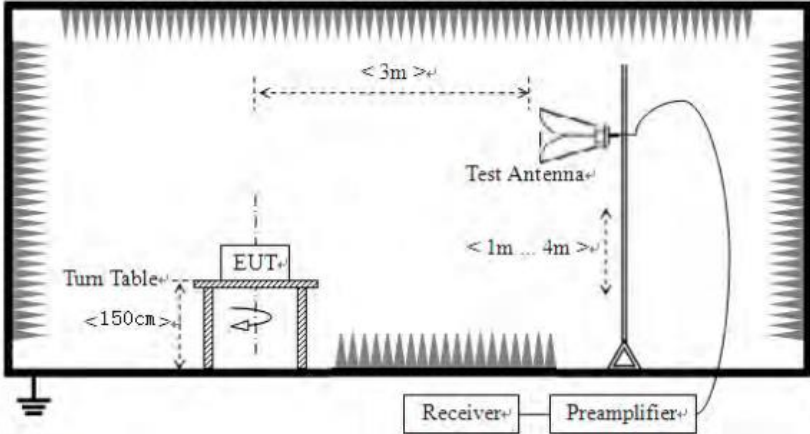
Date: 8.JAN.2026 14:04:35

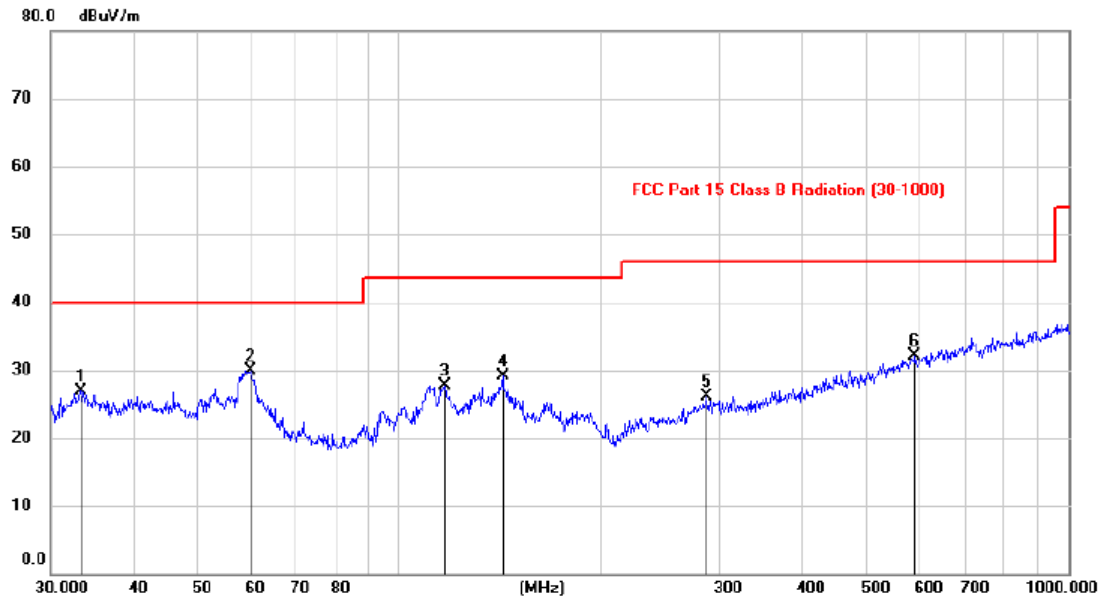
Note: offset=cable factor

4.9 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205, RSS-Gen Issue 5				
Test Method:	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
		AV	1MHz	3MHz	Average Value
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		74.0		Peak Value
			54.0		Average Value
Test Procedure:	Substitution method was performed to determine the actual ERP emission levels of the EUT. The following test procedure as below: 1>.Below 1GHz test procedure: 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. 2>.Above 1GHz test procedure: 1. On the test site as test setup graph above, the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider. 2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring receiver. 3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test.				

	4. The test antenna shall be raised and lowered from 1m to 4m until a maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver. 5. Repeat step 4 for test frequency with the test antenna polarized horizontally. 6. Remove the transmitter and replace it with a substitution antenna 7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. 8. Repeat step 7 with both antennas horizontally polarized for each test frequency. 9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: $\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ where: Pg is the generator output power into the substitution antenna.
Test setup:	Below 1GHz  Above 1GHz

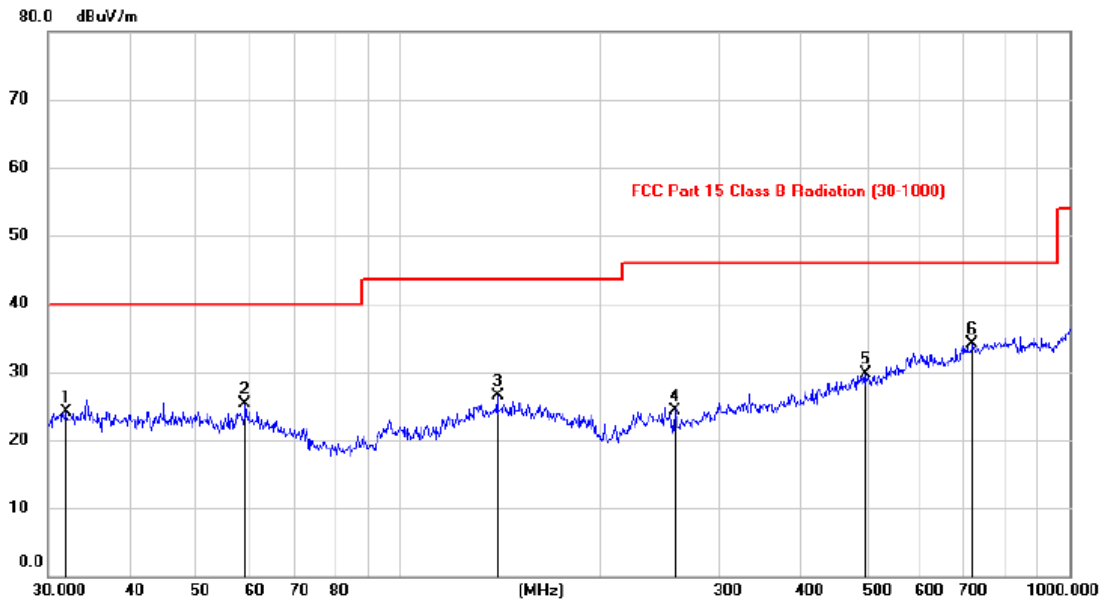
	
Test results:	Pass

Vertical:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		33.4254	13.28	13.67	26.95	40.00	-13.05	peak		
2	*	59.9919	16.70	13.25	29.95	40.00	-10.05	peak		
3		116.8947	15.04	12.67	27.71	43.50	-15.79	peak		
4		142.6571	14.64	14.51	29.15	43.50	-14.35	peak		
5		287.1501	12.28	13.79	26.07	46.00	-19.93	peak		
6		590.4904	12.16	20.03	32.19	46.00	-13.81	peak		

Note: 1. *: Maximum data; x: Over limit; !: over margin.

2. Measurement = Reading Level + Correct Factor; Correct Factor = Antenna Factor + Cable Loss.

Horizontal:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		32.0330	10.44	13.60	24.04	40.00	-15.96	peak		
2		59.0596	11.97	13.25	25.22	40.00	-14.78	peak		
3		140.5883	12.13	14.36	26.49	43.50	-17.01	peak		
4		258.6888	11.46	12.94	24.40	46.00	-21.60	peak		
5		496.6304	11.47	18.17	29.64	46.00	-16.36	peak		
6	*	717.4361	12.15	21.98	34.13	46.00	-11.87	peak		

Note: 1. *: Maximum data; x: Over limit; !: over margin.

2. Measurement = Reading Level + Correct Factor; Correct Factor = Antenna Factor + Cable Loss.

Remark: All modes have been tested, and only worst data of 802.11a mode, Channel 5180MHz was listed in this report.

Above 1GHz:**U-NII-1****802.11a 5180MHz**

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
10360.31	49.75	16.29	17.66	34.46	49.24	74.00	-24.76	Vertical
15540.01	49.05	21.83	17.66	34.46	54.08	74.00	-19.92	Vertical
10360.29	52.99	8.73	17.66	34.46	44.92	74.00	-29.08	Horizontal
15540.07	47.74	11.73	17.66	34.46	42.67	74.00	-31.33	Horizontal

802.11a 5200MHz

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
10400.15	50.99	16.29	17.66	34.46	50.48	74.00	-23.52	Vertical
15600.11	49.34	21.83	17.66	34.46	54.37	74.00	-19.63	Vertical
10400.01	54.39	8.73	17.66	34.46	46.32	74.00	-27.68	Horizontal
15600.12	48.26	11.73	17.66	34.46	43.19	74.00	-30.81	Horizontal

802.11a 5240MHz

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
10480.25	52.70	16.29	17.66	34.46	52.19	74.00	-21.81	Vertical
15720.05	48.37	21.83	17.66	34.46	53.40	74.00	-20.60	Vertical
10480.16	55.08	8.73	17.66	34.46	47.01	74.00	-26.99	Horizontal
15720.24	47.58	11.73	17.66	34.46	42.51	74.00	-31.49	Horizontal

802.11n (HT20) 5180MHz

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
10360.05	53.40	16.29	17.66	34.46	52.89	74.00	-21.11	Vertical
15540.08	50.09	21.83	17.66	34.46	55.12	74.00	-18.88	Vertical
10360.09	52.32	8.73	17.66	34.46	44.25	74.00	-29.75	Horizontal
15540.05	44.89	11.73	17.66	34.46	39.82	74.00	-34.18	Horizontal

802.11n (HT20) 5200MHz

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
10400.16	49.85	16.29	17.66	34.46	49.34	74.00	-24.66	Vertical
15600.22	48.38	21.83	17.66	34.46	53.41	74.00	-20.59	Vertical
10400.26	53.19	8.73	17.66	34.46	45.12	74.00	-28.88	Horizontal
15600.03	46.05	11.73	17.66	34.46	40.98	74.00	-33.02	Horizontal

802.11n (HT20) 5240MHz

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
10480.06	52.61	16.29	17.66	34.46	52.10	74.00	-21.90	Vertical
15720.17	50.17	21.83	17.66	34.46	55.20	74.00	-18.80	Vertical
10480.18	52.02	8.73	17.66	34.46	43.95	74.00	-30.05	Horizontal
15720.32	46.06	11.73	17.66	34.46	40.99	74.00	-33.01	Horizontal

802.11ac (VHT20) 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
10360.11	49.89	16.29	17.66	34.46	49.38	74.00	-24.62	Vertical
15540.29	48.60	21.83	17.66	34.46	53.63	74.00	-20.37	Vertical
10360.26	54.55	8.73	17.66	34.46	46.48	74.00	-27.52	Horizontal
15540.01	45.52	11.73	17.66	34.46	40.45	74.00	-33.55	Horizontal

802.11ac (VHT20) 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
10400.10	51.22	16.29	17.66	34.46	50.71	74.00	-23.29	Vertical
15600.02	47.84	21.83	17.66	34.46	52.87	74.00	-21.13	Vertical
10400.24	53.49	8.73	17.66	34.46	45.42	74.00	-28.58	Horizontal
15600.25	47.04	11.73	17.66	34.46	41.97	74.00	-32.03	Horizontal

802.11ac (VHT20) 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
10480.17	50.57	16.29	17.66	34.46	50.06	74.00	-23.94	Vertical
15720.07	48.90	21.83	17.66	34.46	53.93	74.00	-20.07	Vertical
10480.18	53.47	8.73	17.66	34.46	45.40	74.00	-28.60	Horizontal
15720.13	45.21	11.73	17.66	34.46	40.14	74.00	-33.86	Horizontal

802.11ax20 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
10360.21	52.41	16.29	17.66	34.46	51.90	74.00	-22.10	Vertical
15540.01	50.89	21.83	17.66	34.46	55.92	74.00	-18.08	Vertical
10360.12	54.98	8.73	17.66	34.46	46.91	74.00	-27.09	Horizontal
15540.13	48.18	11.73	17.66	34.46	43.11	74.00	-30.89	Horizontal

802.11ax20 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
10400.16	52.93	16.29	17.66	34.46	52.42	74.00	-21.58	Vertical
15600.17	50.69	21.83	17.66	34.46	55.72	74.00	-18.28	Vertical
10400.07	52.62	8.73	17.66	34.46	44.55	74.00	-29.45	Horizontal
15600.08	48.22	11.73	17.66	34.46	43.15	74.00	-30.85	Horizontal

802.11ax20 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
10480.11	50.85	16.29	17.66	34.46	50.34	74.00	-23.66	Vertical
15720.04	49.22	21.83	17.66	34.46	54.25	74.00	-19.75	Vertical
10480.13	55.34	8.73	17.66	34.46	47.27	74.00	-26.73	Horizontal
15720.28	46.39	11.73	17.66	34.46	41.32	74.00	-32.68	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
10380.17	51.14	16.29	17.66	34.46	50.63	74.00	-23.37	Vertical
15570.31	49.50	21.83	17.66	34.46	54.53	74.00	-19.47	Vertical
10380.27	53.54	8.73	17.66	34.46	45.47	74.00	-28.53	Horizontal
15570.08	46.81	11.73	17.66	34.46	41.74	74.00	-32.26	Horizontal

802.11n (HT40) 5230MHz

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
10460.12	52.31	16.29	17.66	34.46	51.80	74.00	-22.20	Vertical
15690.15	50.02	21.83	17.66	34.46	55.05	74.00	-18.95	Vertical
10460.02	53.86	8.73	17.66	34.46	45.79	74.00	-28.21	Horizontal
15690.28	45.19	11.73	17.66	34.46	40.12	74.00	-33.88	Horizontal

802.11ac (VHT40) 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
10380.06	51.49	16.29	17.66	34.46	50.98	74.00	-23.02	Vertical
15570.20	50.24	21.83	17.66	34.46	55.27	74.00	-18.73	Vertical
10380.05	52.31	8.73	17.66	34.46	44.24	74.00	-29.76	Horizontal
15570.12	48.87	11.73	17.66	34.46	43.80	74.00	-30.20	Horizontal

802.11ac (VHT40) 5230MHz

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
10460.12	53.08	16.29	17.66	34.46	52.57	74.00	-21.43	Vertical
15690.13	49.91	21.83	17.66	34.46	54.94	74.00	-19.06	Vertical
10460.20	52.41	8.73	17.66	34.46	44.34	74.00	-29.66	Horizontal
15690.27	47.22	11.73	17.66	34.46	42.15	74.00	-31.85	Horizontal

802.11ax40 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
10380.10	52.40	16.29	17.66	34.46	51.89	74.00	-22.11	Vertical
15570.05	50.97	21.83	17.66	34.46	56.00	74.00	-18.00	Vertical
10380.22	53.11	8.73	17.66	34.46	45.04	74.00	-28.96	Horizontal
15570.22	47.31	11.73	17.66	34.46	42.24	74.00	-31.76	Horizontal

802.11ax40 5230MHz

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
10460.30	52.64	16.29	17.66	34.46	52.13	74.00	-21.87	Vertical
15690.31	49.40	21.83	17.66	34.46	54.43	74.00	-19.57	Vertical
10460.13	54.05	8.73	17.66	34.46	45.98	74.00	-28.02	Horizontal
15690.03	47.78	11.73	17.66	34.46	42.71	74.00	-31.29	Horizontal

802.11ac (VHT80) 5210MHz

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
10420.11	52.56	16.29	17.66	34.46	52.05	74.00	-21.95	Vertical
15630.28	47.26	21.83	17.66	34.46	52.29	74.00	-21.71	Vertical
10420.03	54.22	8.73	17.66	34.46	46.15	74.00	-27.85	Horizontal
15630.28	45.10	11.73	17.66	34.46	40.03	74.00	-33.97	Horizontal

802.11ax80 5210MHz

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
10420.17	51.17	16.29	17.66	34.46	50.66	74.00	-23.34	Vertical
15630.08	49.53	21.83	17.66	34.46	54.56	74.00	-19.44	Vertical
10420.09	54.46	8.73	17.66	34.46	46.39	74.00	-27.61	Horizontal
15630.12	46.25	11.73	17.66	34.46	41.18	74.00	-32.82	Horizontal

U-NII-3**802.11a 5745MHz**

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
11490.16	50.40	16.29	17.66	34.46	49.89	74.00	-24.11	Vertical
17235.25	50.14	21.83	17.66	34.46	55.17	74.00	-18.83	Vertical
11490.01	55.44	8.73	17.66	34.46	47.37	74.00	-26.63	Horizontal
17235.26	45.92	11.73	17.66	34.46	40.85	74.00	-33.15	Horizontal

802.11a 5785MHz

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
11570.09	52.09	16.29	17.66	34.46	51.58	74.00	-22.42	Vertical
17355.02	49.40	21.83	17.66	34.46	54.43	74.00	-19.57	Vertical
11570.03	54.27	8.73	17.66	34.46	46.20	74.00	-27.80	Horizontal
17355.08	46.70	11.73	17.66	34.46	41.63	74.00	-32.37	Horizontal

802.11a 5825MHz

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
11650.21	50.96	16.29	17.66	34.46	50.45	74.00	-23.55	Vertical
17475.08	49.77	21.83	17.66	34.46	54.80	74.00	-19.20	Vertical
11650.24	52.70	8.73	17.66	34.46	44.63	74.00	-29.37	Horizontal
17475.22	45.96	11.73	17.66	34.46	40.89	74.00	-33.11	Horizontal

802.11n (HT20) 5745MHz

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
11490.12	49.78	16.29	17.66	34.46	49.27	74.00	-24.73	Vertical
17235.08	48.22	21.83	17.66	34.46	53.25	74.00	-20.75	Vertical
11490.28	54.29	8.73	17.66	34.46	46.22	74.00	-27.78	Horizontal
17235.05	48.60	11.73	17.66	34.46	43.53	74.00	-30.47	Horizontal

802.11n (HT20) 5785MHz

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
11570.18	52.60	16.29	17.66	34.46	52.09	74.00	-21.91	Vertical
17355.25	47.79	21.83	17.66	34.46	52.82	74.00	-21.18	Vertical
11570.19	53.01	8.73	17.66	34.46	44.94	74.00	-29.06	Horizontal
17355.21	48.48	11.73	17.66	34.46	43.41	74.00	-30.59	Horizontal

802.11n (HT20) 5825MHz

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
11650.04	49.86	16.29	17.66	34.46	49.35	74.00	-24.65	Vertical
17475.16	49.99	21.83	17.66	34.46	55.02	74.00	-18.98	Vertical
11650.09	52.24	8.73	17.66	34.46	44.17	74.00	-29.83	Horizontal
17475.16	48.18	11.73	17.66	34.46	43.11	74.00	-30.89	Horizontal

802.11ac (VHT20) 5745MHz

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
11490.04	52.45	16.29	17.66	34.46	51.94	74.00	-22.06	Vertical
17235.22	50.25	21.83	17.66	34.46	55.28	74.00	-18.72	Vertical
11490.15	55.41	8.73	17.66	34.46	47.34	74.00	-26.66	Horizontal
17235.03	47.53	11.73	17.66	34.46	42.46	74.00	-31.54	Horizontal

802.11ac (VHT20) 5785MHz

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
11570.30	51.45	16.29	17.66	34.46	50.94	74.00	-23.06	Vertical
17355.02	47.83	21.83	17.66	34.46	52.86	74.00	-21.14	Vertical
11570.16	54.06	8.73	17.66	34.46	45.99	74.00	-28.01	Horizontal
17355.27	48.68	11.73	17.66	34.46	43.61	74.00	-30.39	Horizontal

802.11ac (VHT20) 5825MHz

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
11650.28	51.38	16.29	17.66	34.46	50.87	74.00	-23.13	Vertical
17475.06	50.62	21.83	17.66	34.46	55.65	74.00	-18.35	Vertical
11650.08	53.51	8.73	17.66	34.46	45.44	74.00	-28.56	Horizontal
17475.14	47.37	11.73	17.66	34.46	42.30	74.00	-31.70	Horizontal

802.11ax20 5745MHz

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
11490.06	53.00	16.29	17.66	34.46	52.49	74.00	-21.51	Vertical
17235.12	48.86	21.83	17.66	34.46	53.89	74.00	-20.11	Vertical
11490.32	51.70	8.73	17.66	34.46	43.63	74.00	-30.37	Horizontal
17235.14	46.07	11.73	17.66	34.46	41.00	74.00	-33.00	Horizontal

802.11ax20 5785MHz

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
11570.12	50.32	16.29	17.66	34.46	49.81	74.00	-24.19	Vertical
17355.09	47.84	21.83	17.66	34.46	52.87	74.00	-21.13	Vertical
11570.06	53.31	8.73	17.66	34.46	45.24	74.00	-28.76	Horizontal
17355.25	46.20	11.73	17.66	34.46	41.13	74.00	-32.87	Horizontal

802.11ax20 5825MHz

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
11650.09	49.75	16.29	17.66	34.46	49.24	74.00	-24.76	Vertical
17475.18	49.17	21.83	17.66	34.46	54.20	74.00	-19.80	Vertical
11650.07	54.97	8.73	17.66	34.46	46.90	74.00	-27.10	Horizontal
17475.10	48.15	11.73	17.66	34.46	43.08	74.00	-30.92	Horizontal

802.11n (HT40) 5755MHz

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
11510.14	52.54	16.29	17.66	34.46	52.03	74.00	-21.97	Vertical
17265.31	50.51	21.83	17.66	34.46	55.54	74.00	-18.46	Vertical
11510.04	53.65	8.73	17.66	34.46	45.58	74.00	-28.42	Horizontal
17265.23	47.00	11.73	17.66	34.46	41.93	74.00	-32.07	Horizontal

802.11n (HT40) 5795MHz

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
11590.28	50.53	16.29	17.66	34.46	50.02	74.00	-23.98	Vertical
17385.06	50.02	21.83	17.66	34.46	55.05	74.00	-18.95	Vertical
11590.30	51.76	8.73	17.66	34.46	43.69	74.00	-30.31	Horizontal
17385.01	45.54	11.73	17.66	34.46	40.47	74.00	-33.53	Horizontal

802.11ac (VHT40) 5755MHz

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
11510.10	51.15	16.29	17.66	34.46	50.64	74.00	-23.36	Vertical
17265.29	48.79	21.83	17.66	34.46	53.82	74.00	-20.18	Vertical
11510.14	51.76	8.73	17.66	34.46	43.69	74.00	-30.31	Horizontal
17265.24	46.79	11.73	17.66	34.46	41.72	74.00	-32.28	Horizontal

802.11ac (VHT40) 5795MHz

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
11590.09	49.69	16.29	17.66	34.46	49.18	74.00	-24.82	Vertical
17385.26	50.48	21.83	17.66	34.46	55.51	74.00	-18.49	Vertical
11590.19	53.48	8.73	17.66	34.46	45.41	74.00	-28.59	Horizontal
17385.01	47.79	11.73	17.66	34.46	42.72	74.00	-31.28	Horizontal

802.11ax40 5755MHz

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
11510.02	50.25	16.29	17.66	34.46	49.74	74.00	-24.26	Vertical
17265.02	50.13	21.83	17.66	34.46	55.16	74.00	-18.84	Vertical
11510.09	52.50	8.73	17.66	34.46	44.43	74.00	-29.57	Horizontal
17265.29	47.21	11.73	17.66	34.46	42.14	74.00	-31.86	Horizontal

802.11ax40 5795MHz

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
11590.05	50.15	16.29	17.66	34.46	49.64	74.00	-24.36	Vertical
17385.19	48.82	21.83	17.66	34.46	53.85	74.00	-20.15	Vertical
11590.10	52.99	8.73	17.66	34.46	44.92	74.00	-29.08	Horizontal
17385.00	48.63	11.73	17.66	34.46	43.56	74.00	-30.44	Horizontal

802.11ac (VHT80) 5775MHz

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
11550.26	51.47	16.29	17.66	34.46	50.96	74.00	-23.04	Vertical
17325.14	47.57	21.83	17.66	34.46	52.60	74.00	-21.40	Vertical
11550.05	52.56	8.73	17.66	34.46	44.49	74.00	-29.51	Horizontal
17325.17	48.76	11.73	17.66	34.46	43.69	74.00	-30.31	Horizontal

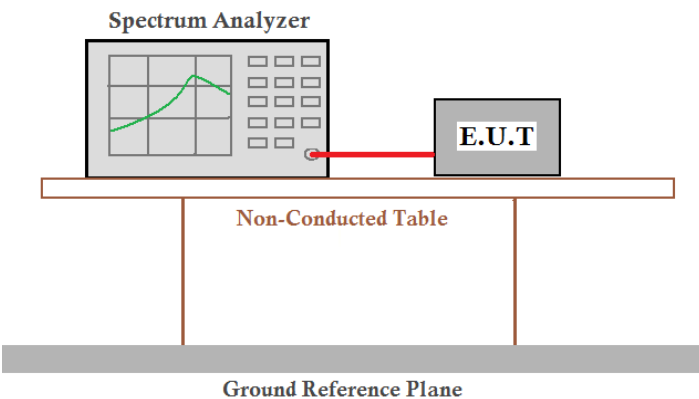
802.11ax80 5775MHz

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
11550.24	50.78	16.29	17.66	34.46	50.27	74.00	-23.73	Vertical
17325.29	48.68	21.83	17.66	34.46	53.71	74.00	-20.29	Vertical
11550.24	52.51	8.73	17.66	34.46	44.44	74.00	-29.56	Horizontal
17325.16	46.06	11.73	17.66	34.46	40.99	74.00	-33.01	Horizontal

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamplifier 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.

4.10 Conducted Spurious Emission

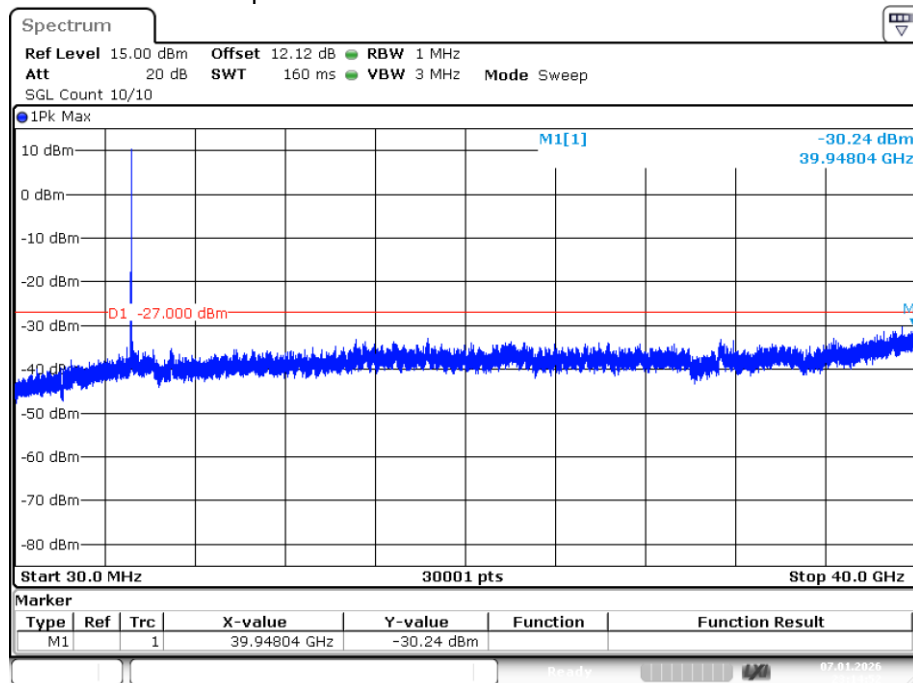
Test Requirement:	FCC Part15 E Section 15.407, RSS-247 Issue 3
Test Method:	ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024
Limit:	1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz. 2. For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. 3. For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.
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 two vertical legs. Below the table is a Ground Reference Plane.
Test procedure:	The procedure for peak unwanted emissions measurements above 1000 MHz is as follows: a) Peak emission levels are measured by setting the instrument as follows: 1) RBW = 1 MHz. 2) VBW $\geq [3 \times \text{RBW}]$. 3) Detector = peak. 4) Sweep time = auto. 5) Trace mode = max hold. 6) Allow sweeps to continue until the trace stabilizes.
Test results:	Pass

U-NII 1

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant1	-30.24	-27	Pass
NVNT	a	5200	Ant1	-29.64	-27	Pass
NVNT	a	5240	Ant1	-29.93	-27	Pass
NVNT	ac20	5180	Ant1	-30.22	-27	Pass
NVNT	ac20	5200	Ant1	-29.28	-27	Pass
NVNT	ac20	5240	Ant1	-30.11	-27	Pass
NVNT	ac40	5190	Ant1	-30.3	-27	Pass
NVNT	ac40	5230	Ant1	-30	-27	Pass
NVNT	ac80	5210	Ant1	-37.68	-27	Pass
NVNT	ax20	5180	Ant1	-36.81	-27	Pass
NVNT	ax20	5200	Ant1	-38.35	-27	Pass
NVNT	ax20	5240	Ant1	-37.36	-27	Pass
NVNT	ax40	5190	Ant1	-37.79	-27	Pass
NVNT	ax40	5230	Ant1	-37.07	-27	Pass
NVNT	ax80	5210	Ant1	-30.07	-27	Pass
NVNT	n20	5180	Ant1	-30.08	-27	Pass
NVNT	n20	5200	Ant1	-30.04	-27	Pass
NVNT	n20	5240	Ant1	-30.65	-27	Pass
NVNT	n40	5190	Ant1	-29.25	-27	Pass
NVNT	n40	5230	Ant1	-30.69	-27	Pass

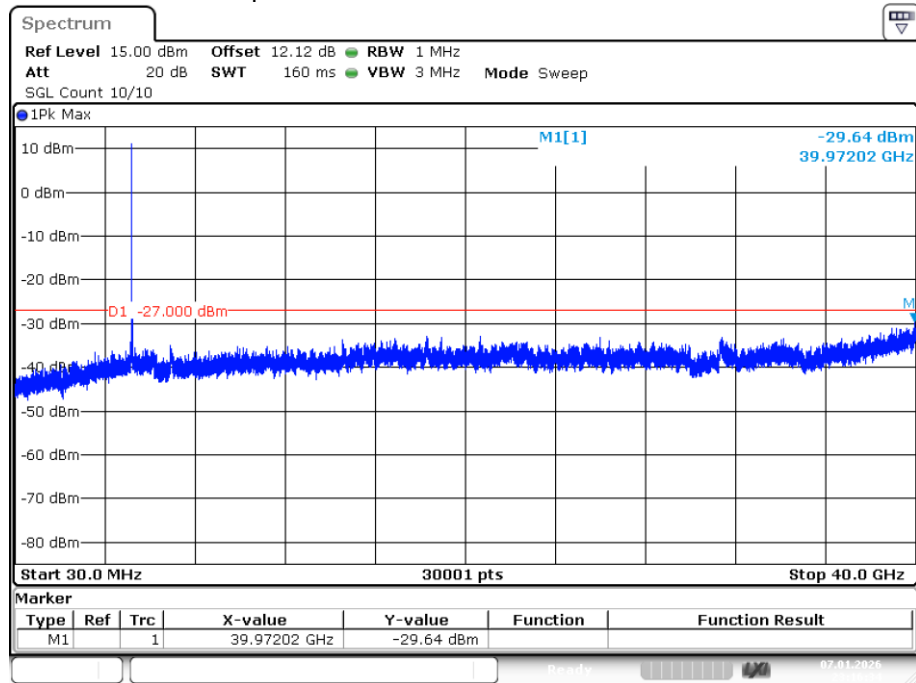
Note: The margin is at least greater than the antenna gain plus the cable loss.

Tx. Spurious NVNT a 5180MHz Ant1 Emission



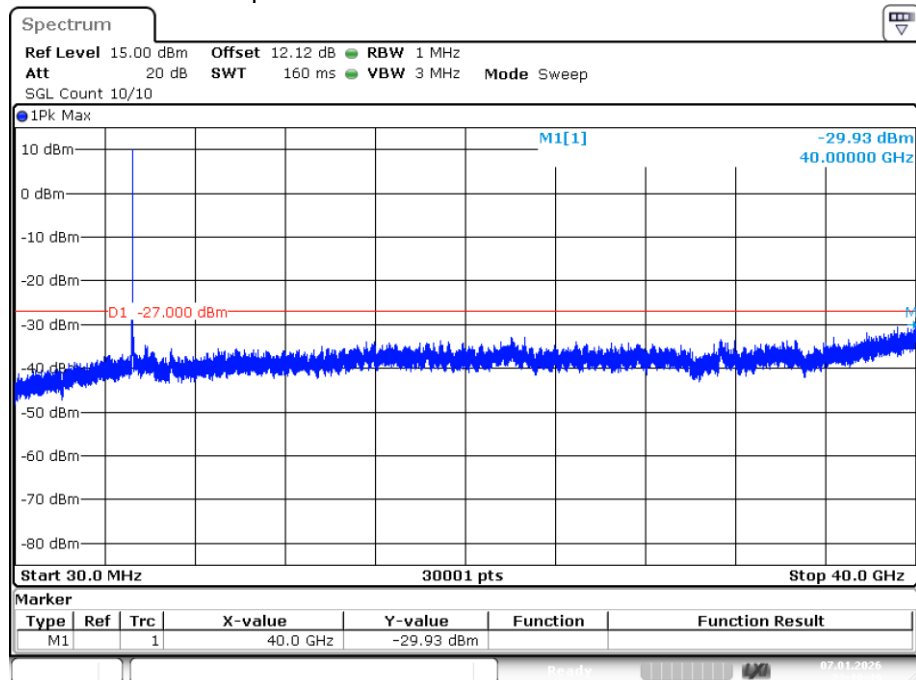
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Tx. Spurious NVNT a 5200MHz Ant1 Emission



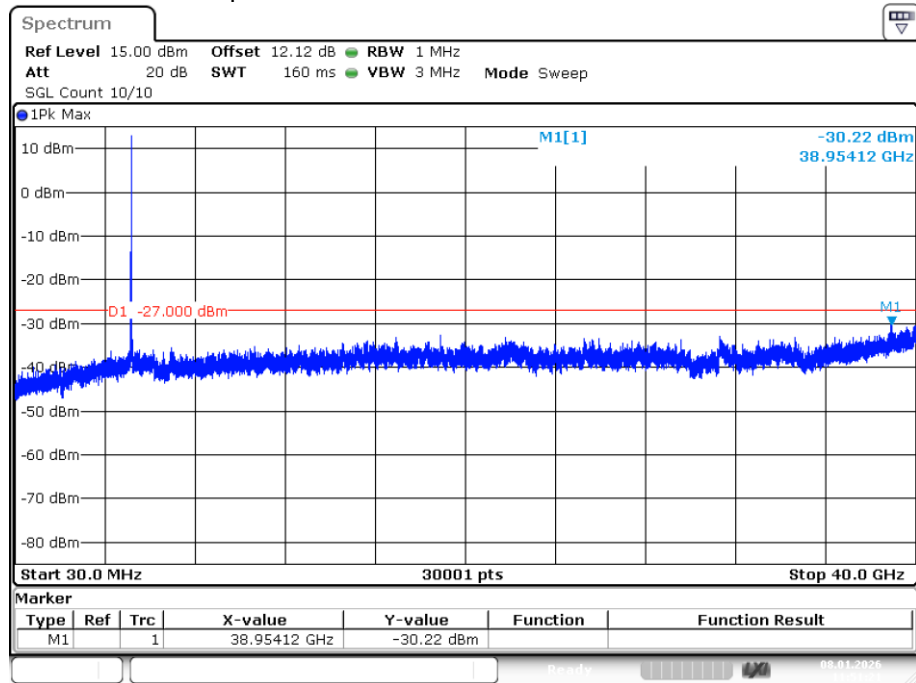
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Tx. Spurious NVNT a 5240MHz Ant1 Emission



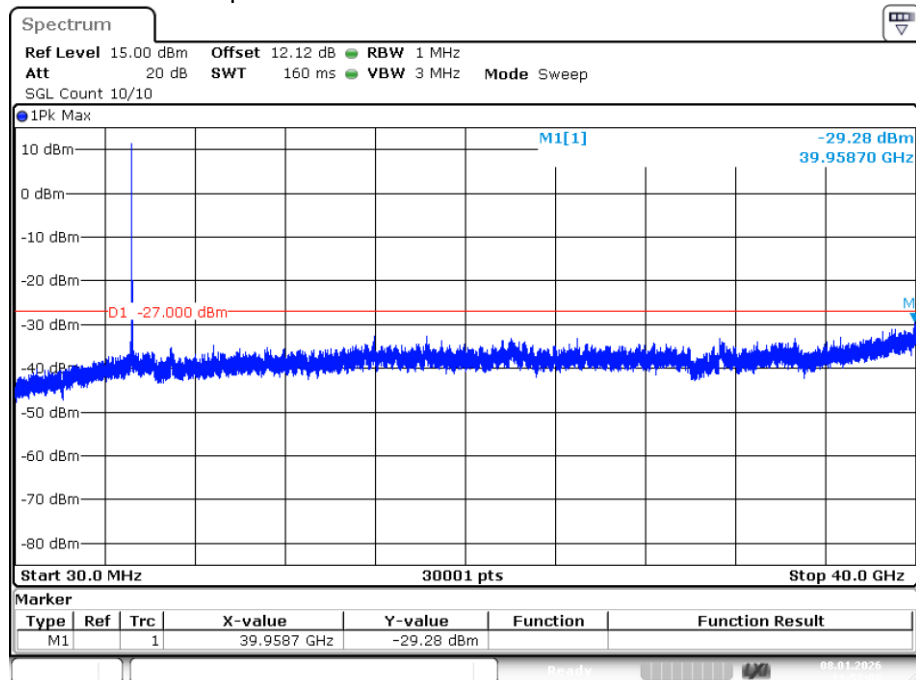
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Tx. Spurious NVNT ac20 5180MHz Ant1 Emission



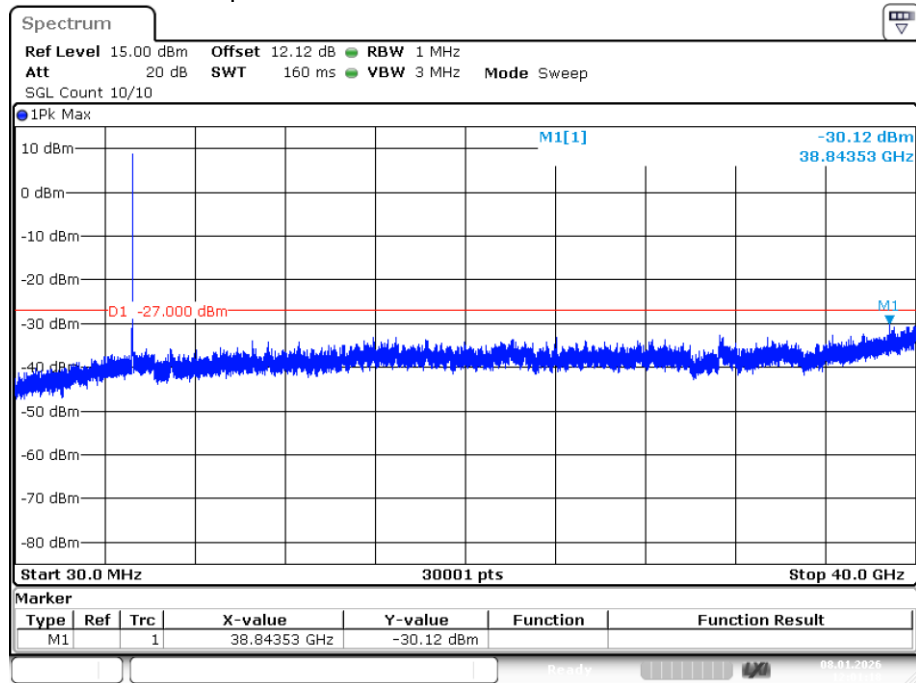
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Tx. Spurious NVNT ac20 5200MHz Ant1 Emission



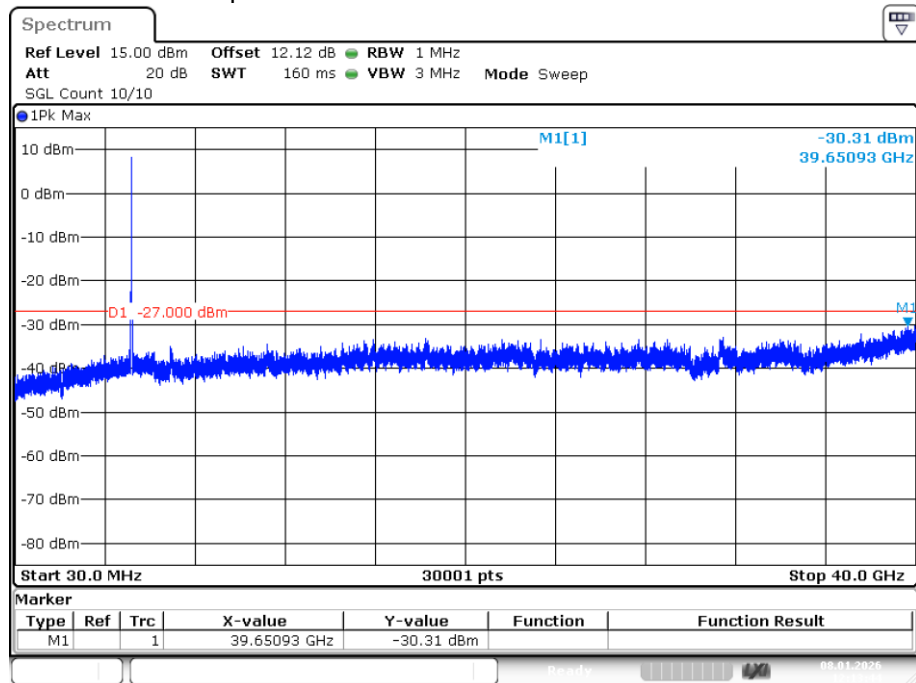
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Tx. Spurious NVNT ac20 5240MHz Ant1 Emission



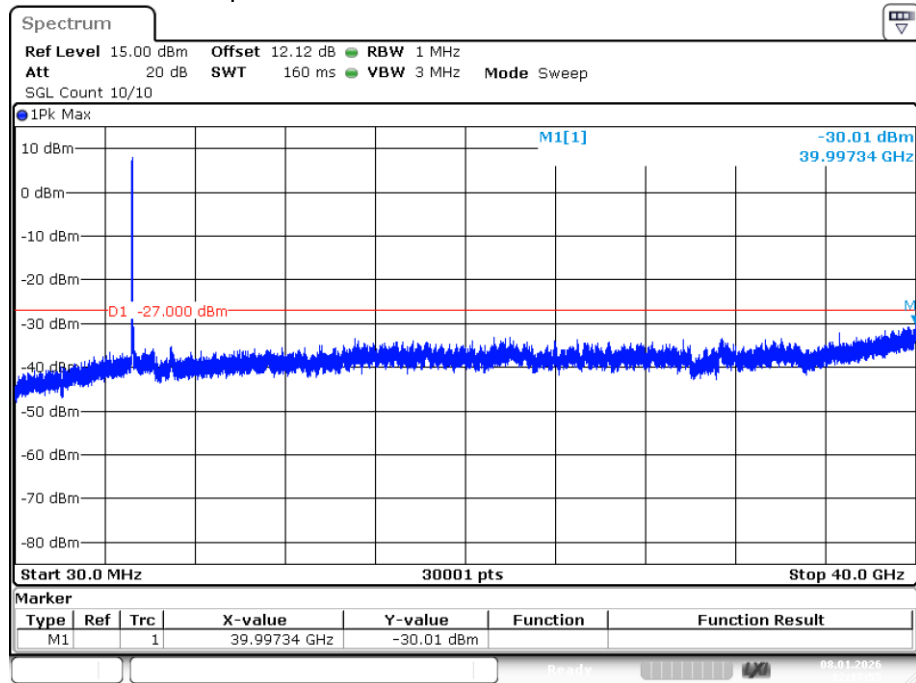
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Tx. Spurious NVNT ac40 5190MHz Ant1 Emission



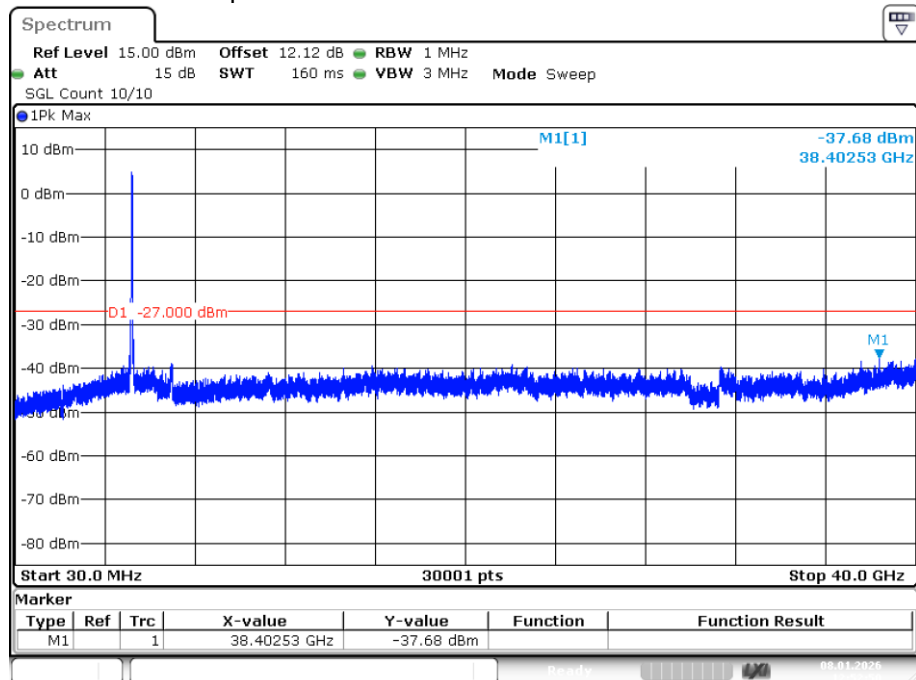
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Tx. Spurious NVNT ac40 5230MHz Ant1 Emission



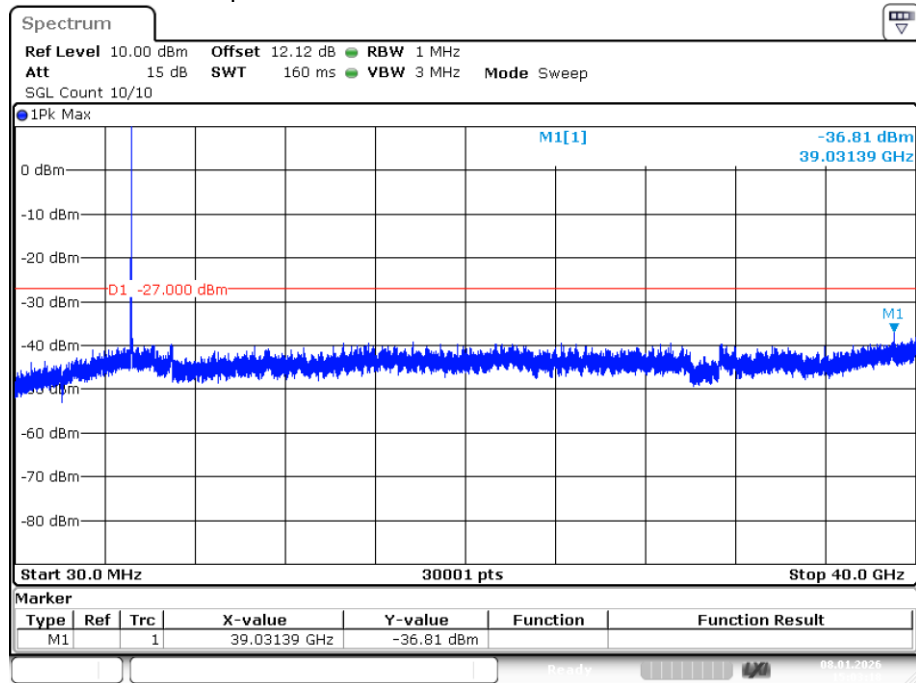
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Tx. Spurious NVNT ac80 5210MHz Ant1 Emission



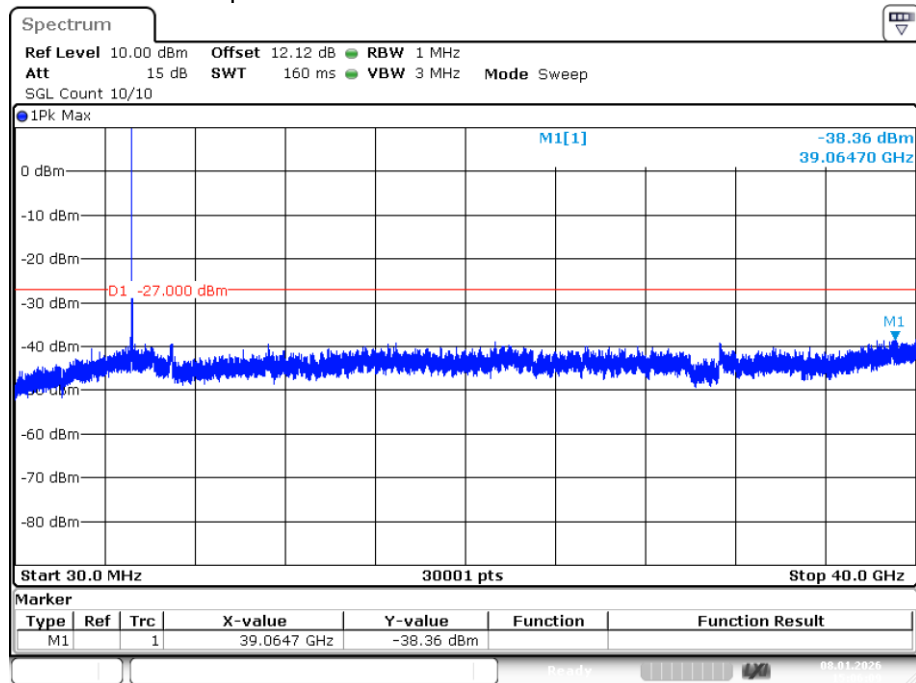
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Tx. Spurious NVNT ax20 5180MHz Ant1 Emission



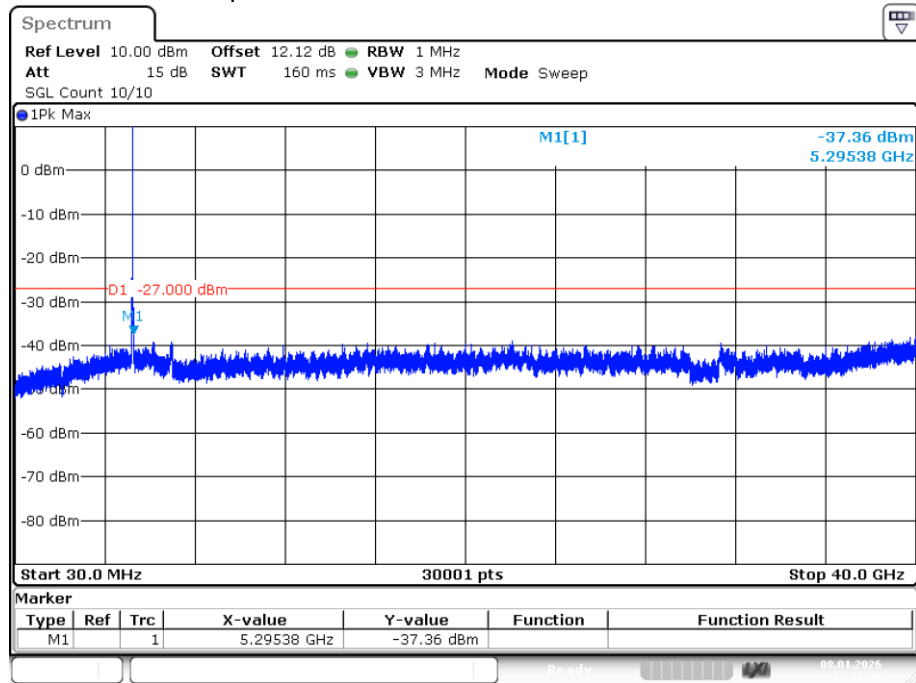
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Tx. Spurious NVNT ax20 5200MHz Ant1 Emission



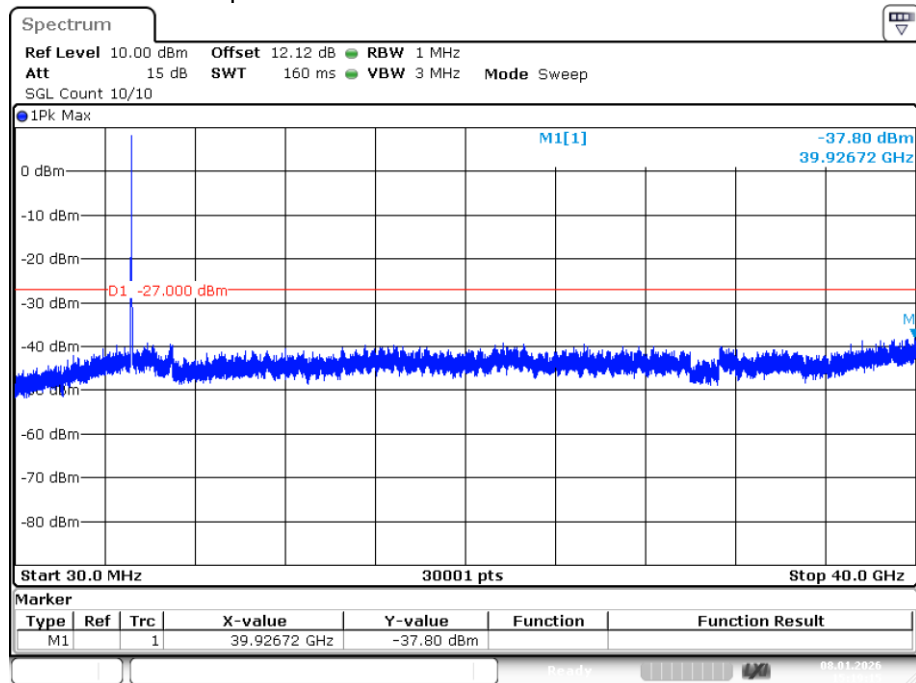
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Tx. Spurious NVNT ax20 5240MHz Ant1 Emission



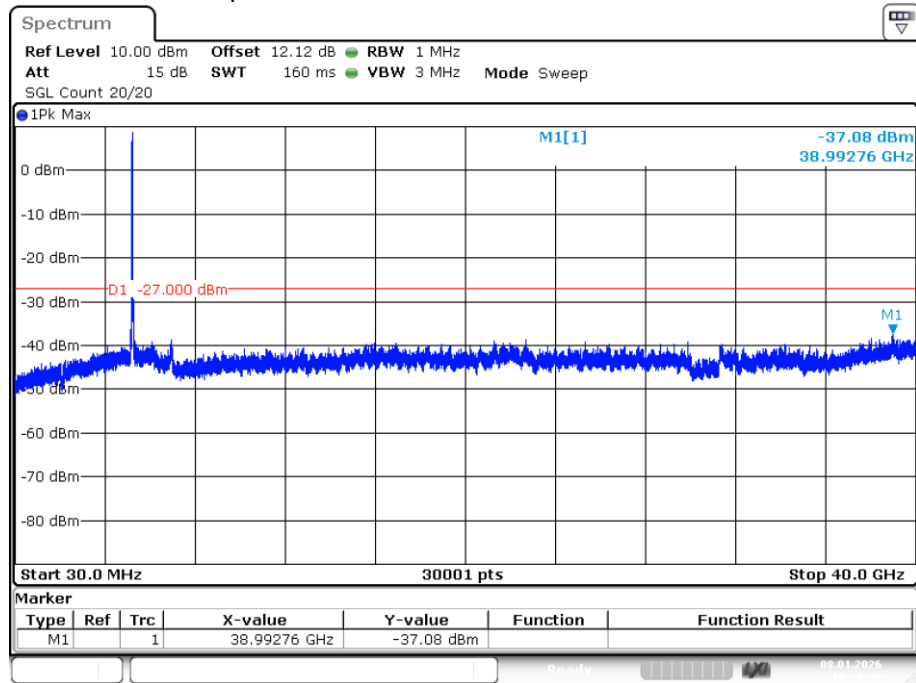
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Tx. Spurious NVNT ax40 5190MHz Ant1 Emission



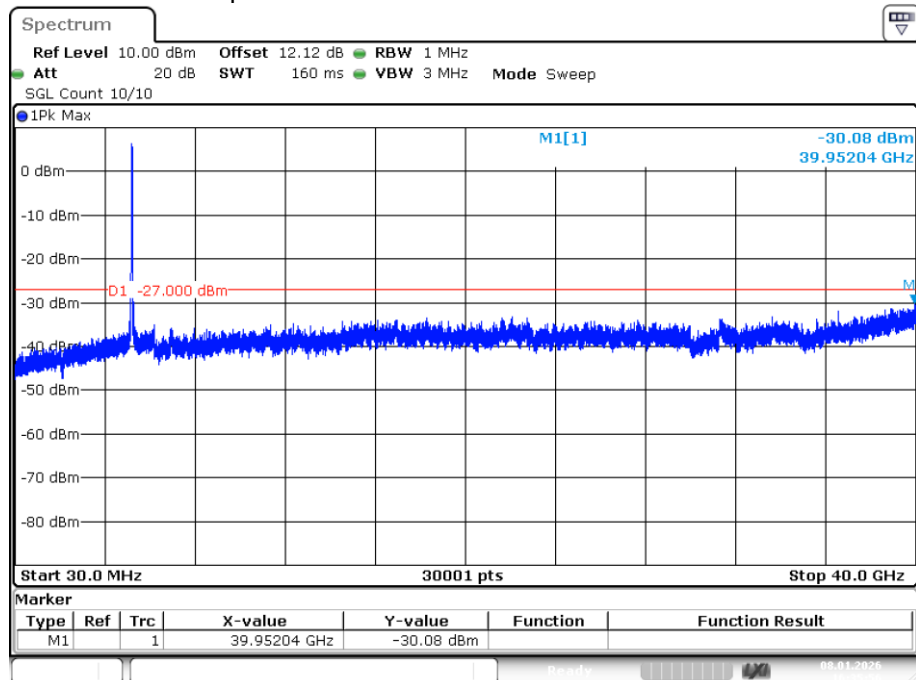
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Tx. Spurious NVNT ax40 5230MHz Ant1 Emission



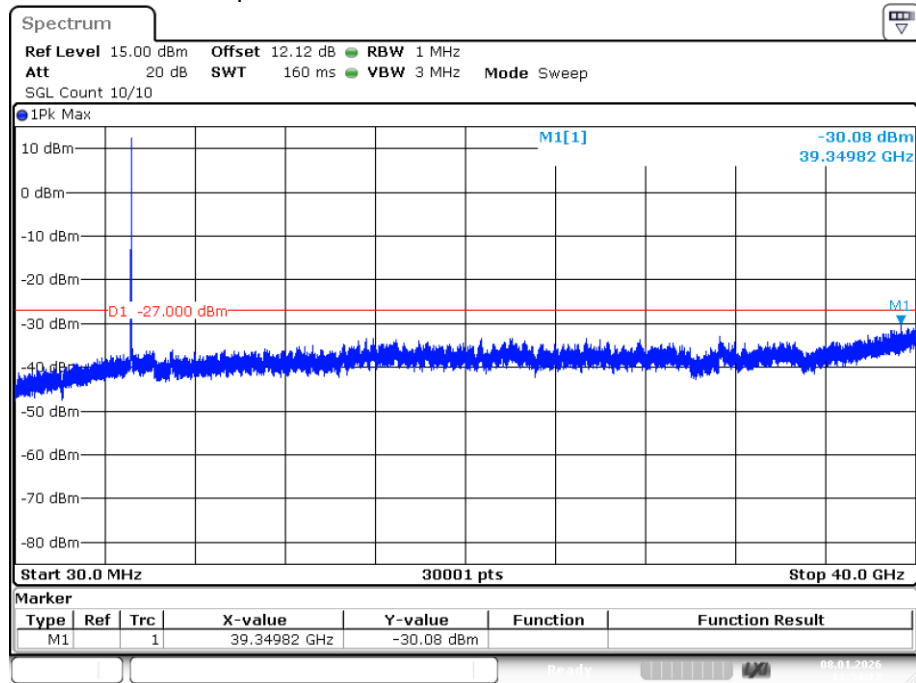
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Tx. Spurious NVNT ax80 5210MHz Ant1 Emission



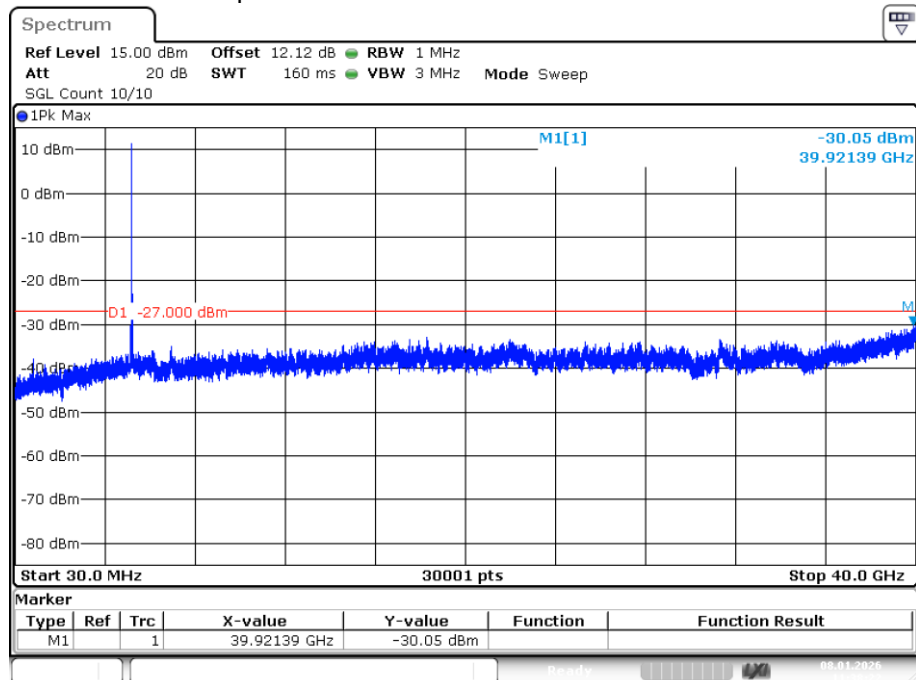
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Tx. Spurious NVNT n20 5180MHz Ant1 Emission



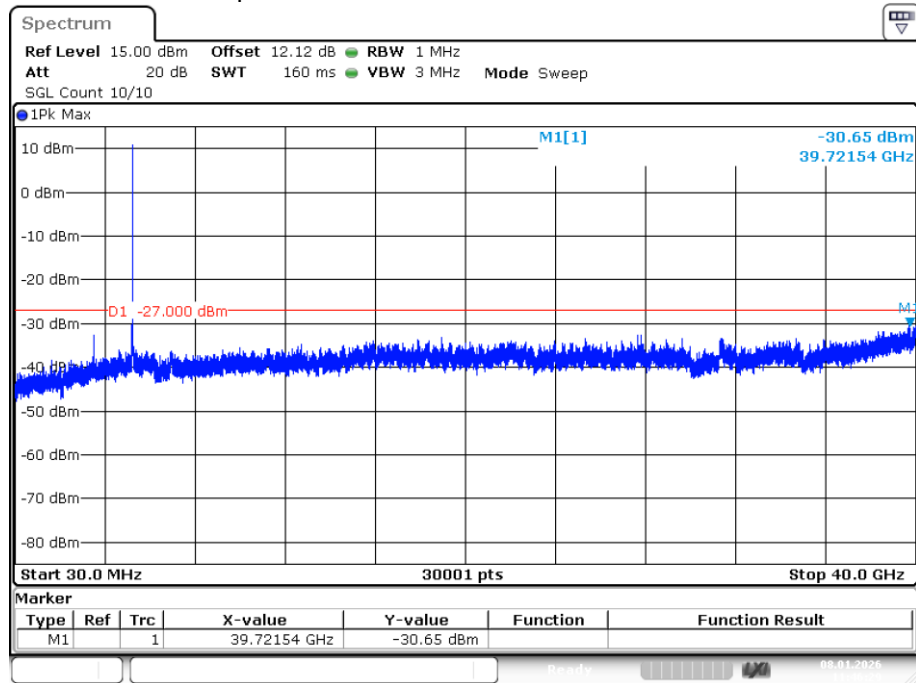
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Tx. Spurious NVNT n20 5200MHz Ant1 Emission



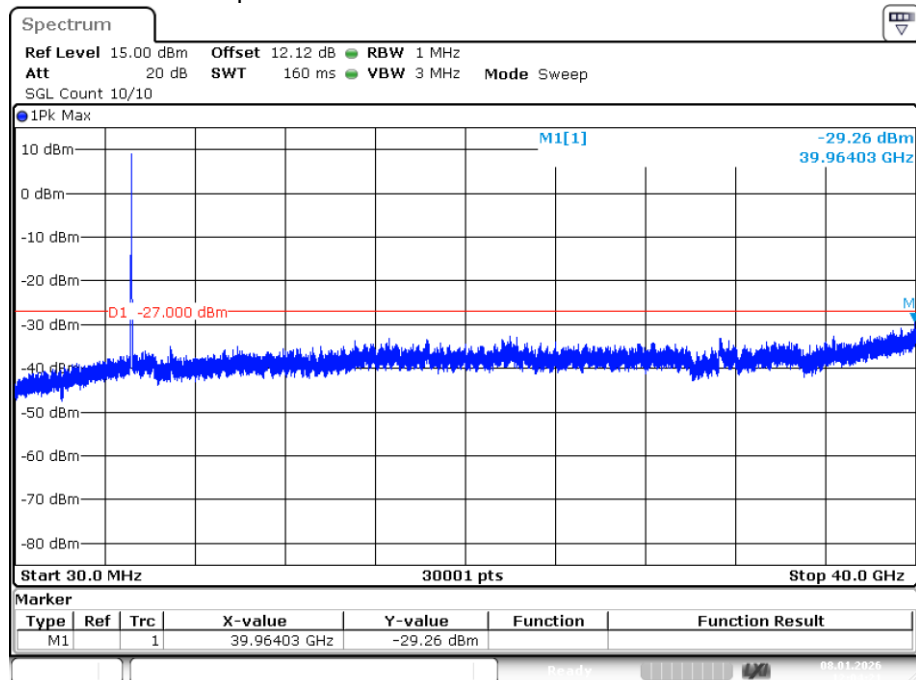
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Tx. Spurious NVNT n20 5240MHz Ant1 Emission

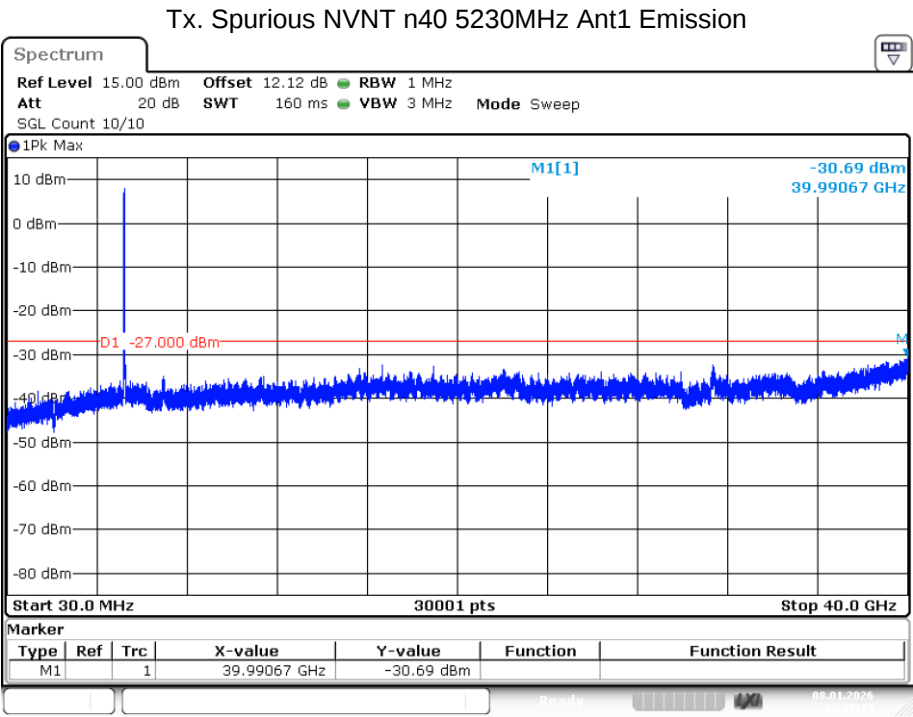


Date: 8.JAN.2026 11:46:28

Tx. Spurious NVNT n40 5190MHz Ant1 Emission



Date: 8.JAN.2026 12:04:22



Date: 8.JAN.2026 12:07:14

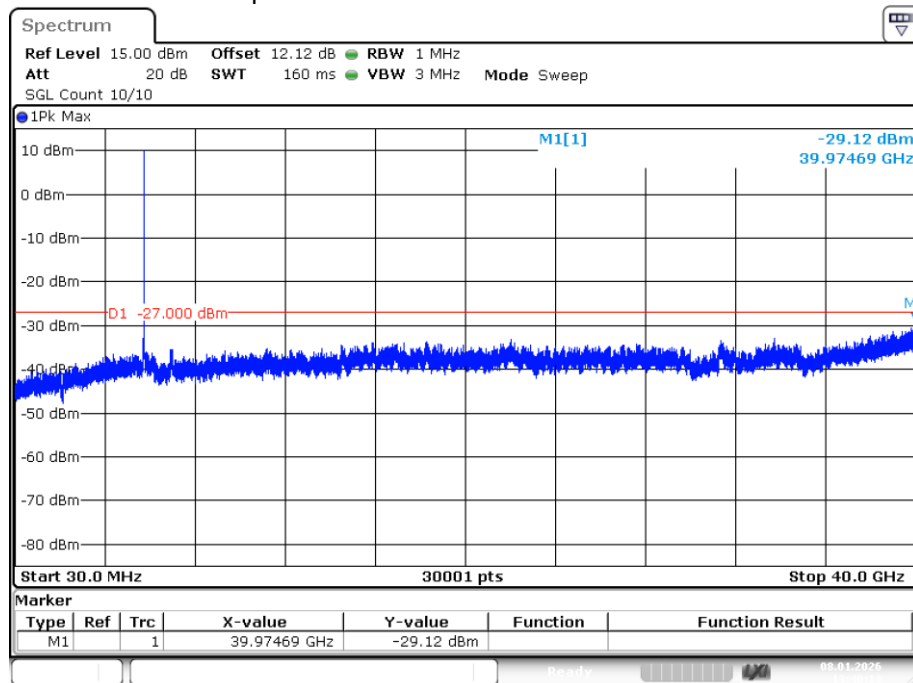
Note: offset=cable factor

U-NII 3

Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	a	5745	Ant1	-29.12	-27	Pass
NVNT	a	5785	Ant1	-30.12	-27	Pass
NVNT	a	5825	Ant1	-30.39	-27	Pass
NVNT	ac20	5745	Ant1	-30.45	-27	Pass
NVNT	ac20	5785	Ant1	-30.56	-27	Pass
NVNT	ac20	5825	Ant1	-30.9	-27	Pass
NVNT	ac40	5755	Ant1	-29.53	-27	Pass
NVNT	ac40	5795	Ant1	-30.26	-27	Pass
NVNT	ac80	5775	Ant1	-29.33	-27	Pass
NVNT	ax20	5745	Ant1	-29.61	-27	Pass
NVNT	ax20	5785	Ant1	-38.33	-27	Pass
NVNT	ax20	5825	Ant1	-31.66	-27	Pass
NVNT	ax40	5755	Ant1	-37.79	-27	Pass
NVNT	ax40	5795	Ant1	-38.05	-27	Pass
NVNT	ax80	5775	Ant1	-30.49	-27	Pass
NVNT	n20	5745	Ant1	-30.24	-27	Pass
NVNT	n20	5785	Ant1	-30.11	-27	Pass
NVNT	n20	5825	Ant1	-30.39	-27	Pass
NVNT	n40	5755	Ant1	-30.11	-27	Pass
NVNT	n40	5795	Ant1	-28.97	-27	Pass

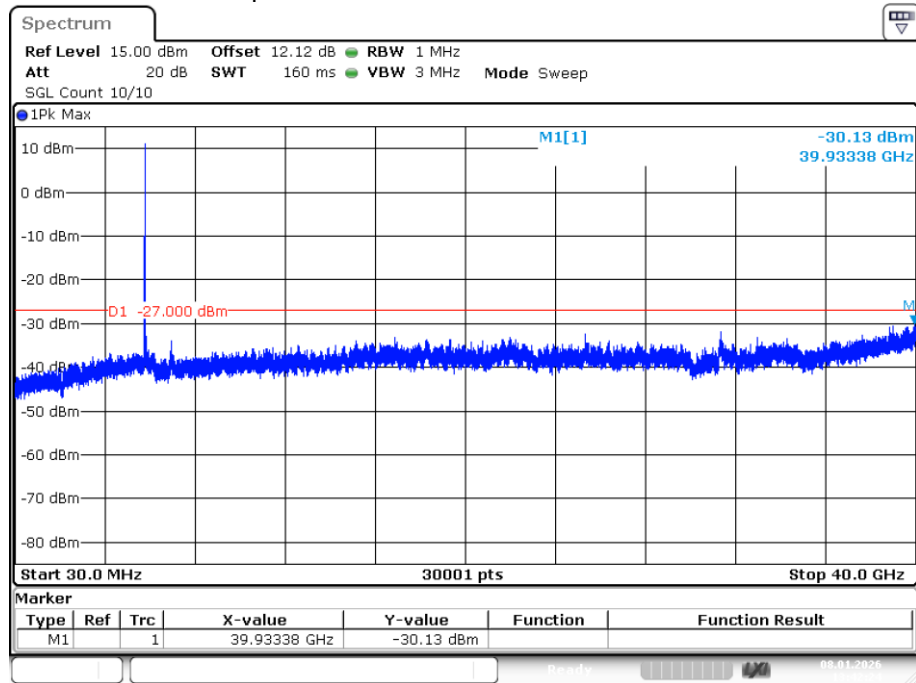
Note: The margin is at least greater than the antenna gain plus the cable loss.

Tx. Spurious NVNT a 5745MHz Ant1 Emission



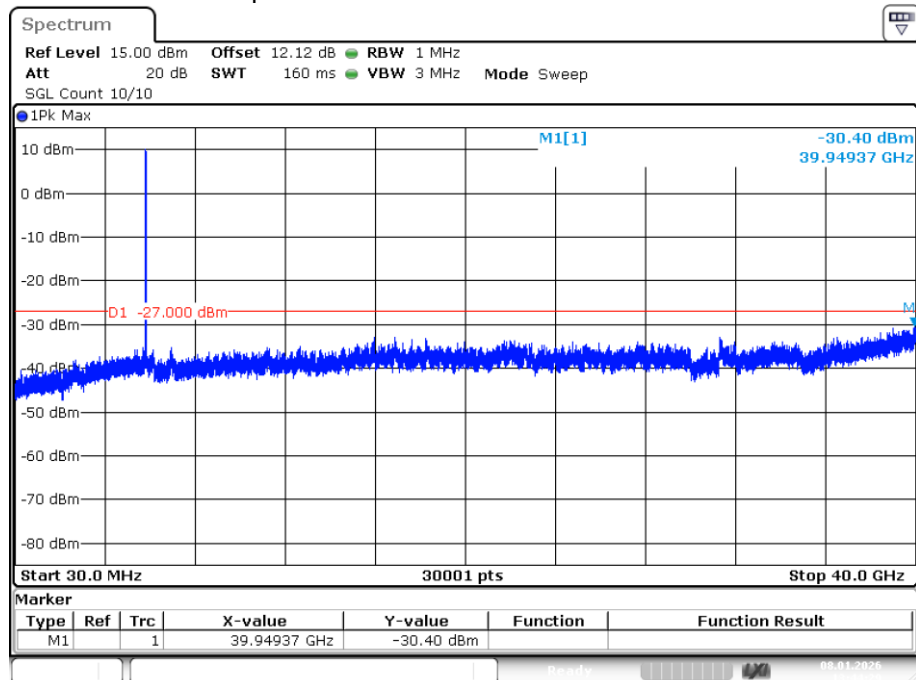
Date: 8.JAN.2026 13:40:13

Tx. Spurious NVNT a 5785MHz Ant1 Emission



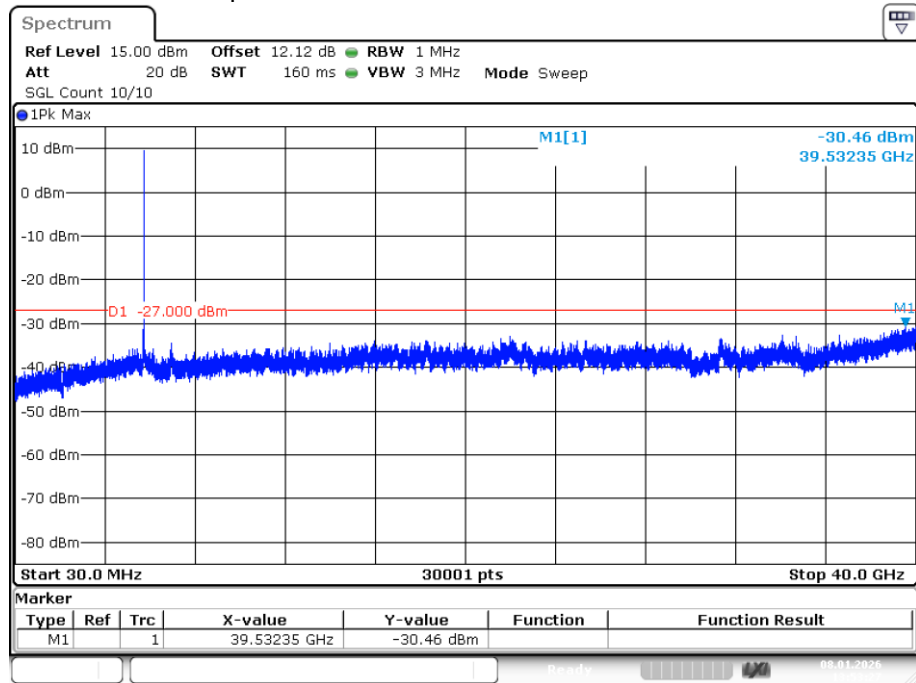
Date: 8.JAN.2026 13:42:24

Tx. Spurious NVNT a 5825MHz Ant1 Emission



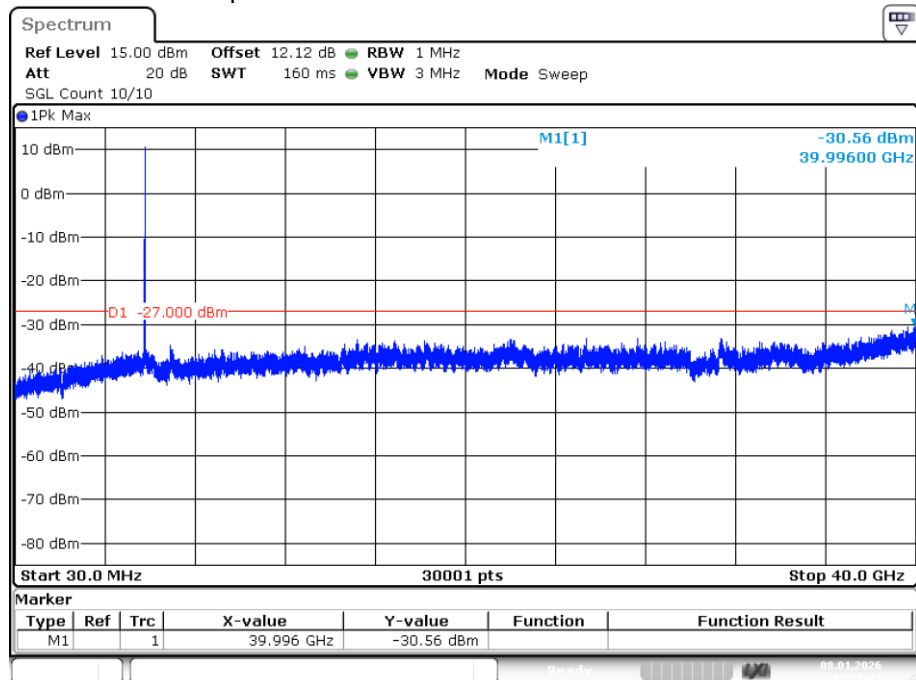
Date: 8.JAN.2026 13:44:29

Tx. Spurious NVNT ac20 5745MHz Ant1 Emission



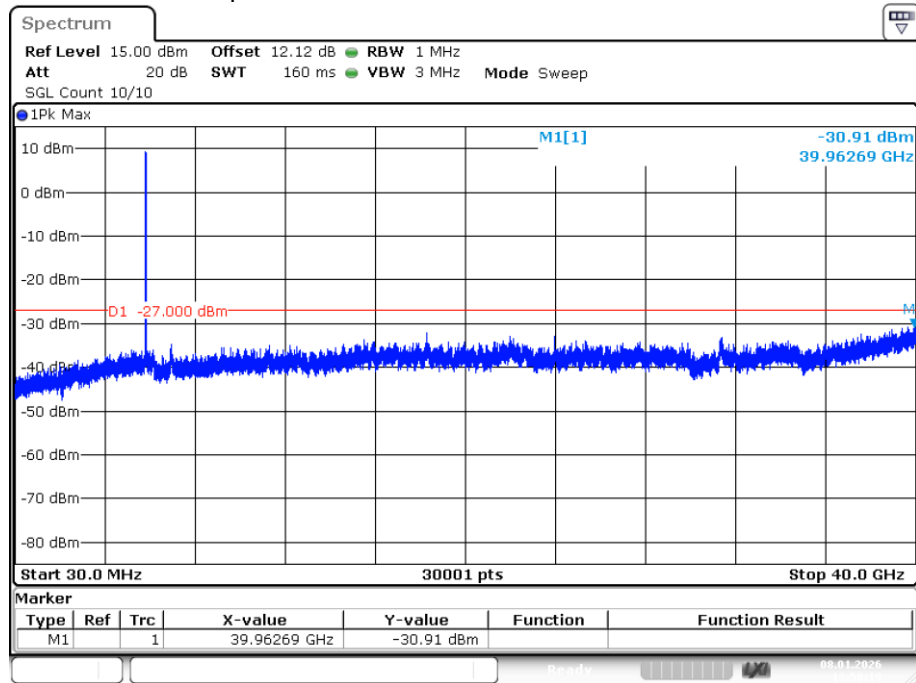
Date: 8.JAN.2026 13:53:28

Tx. Spurious NVNT ac20 5785MHz Ant1 Emission



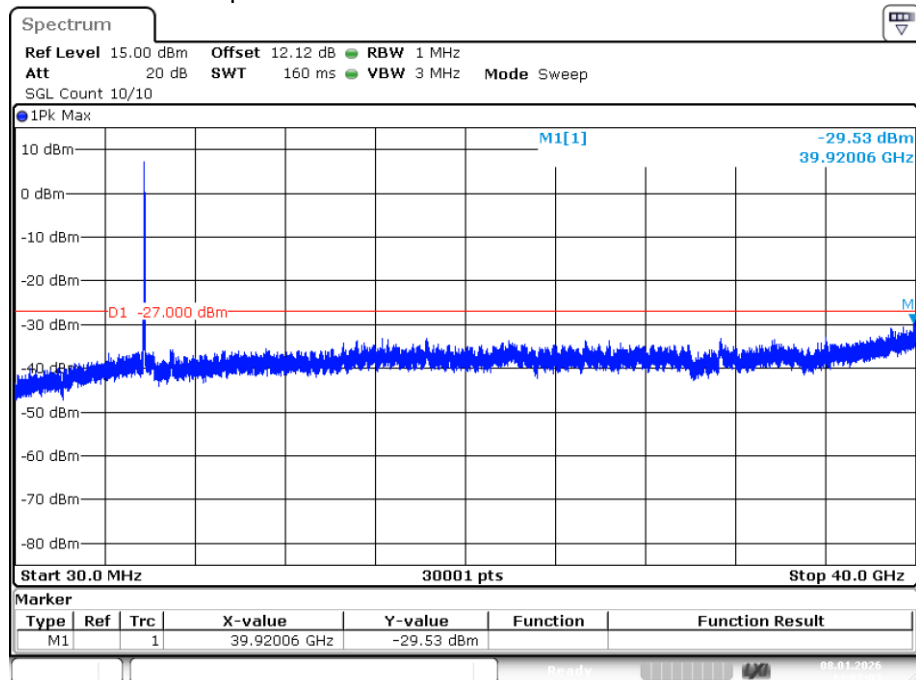
Date: 8.JAN.2026 13:57:21

Tx. Spurious NVNT ac20 5825MHz Ant1 Emission



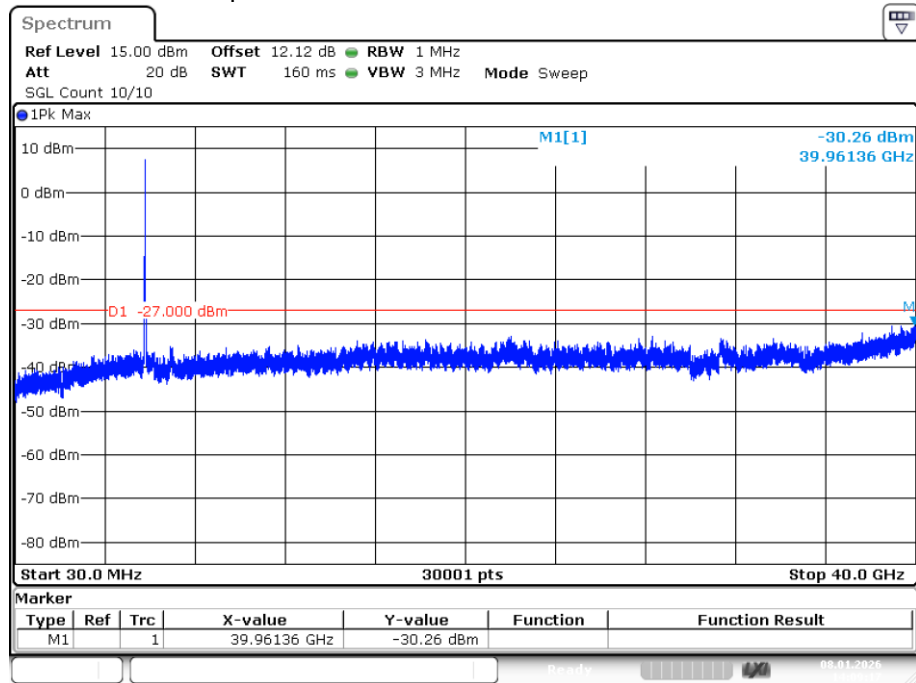
Date: 8.JAN.2026 13:59:19

Tx. Spurious NVNT ac40 5755MHz Ant1 Emission



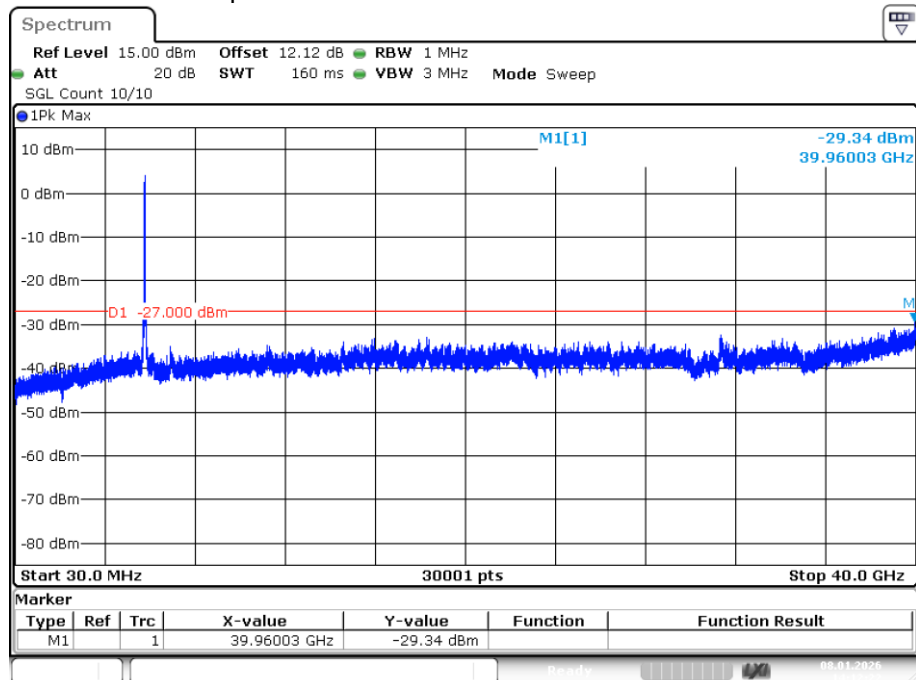
Date: 8.JAN.2026 14:07:02

Tx. Spurious NVNT ac40 5795MHz Ant1 Emission



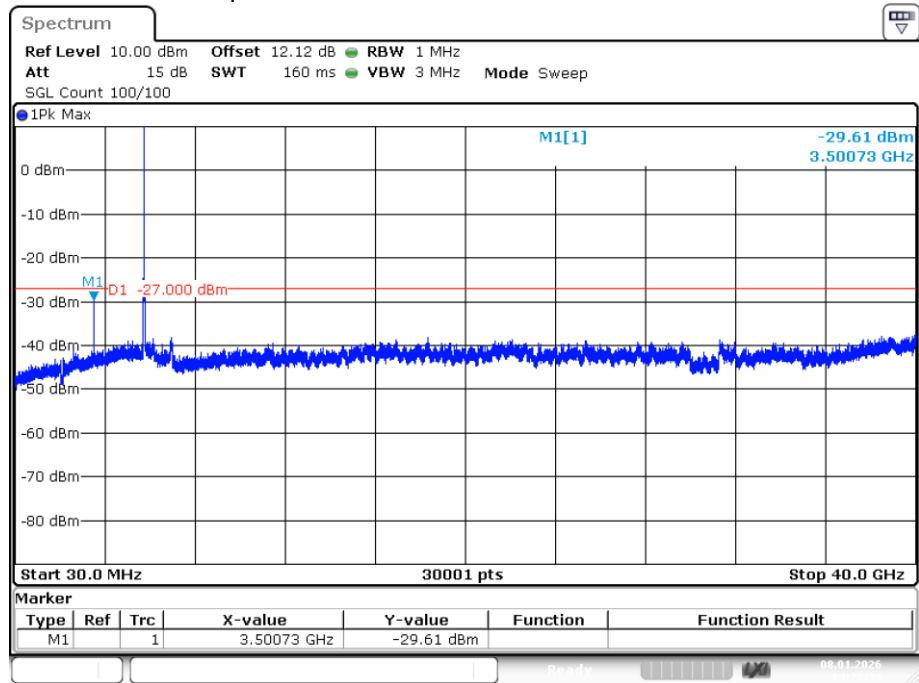
Date: 8.JAN.2026 14:09:16

Tx. Spurious NVNT ac80 5775MHz Ant1 Emission



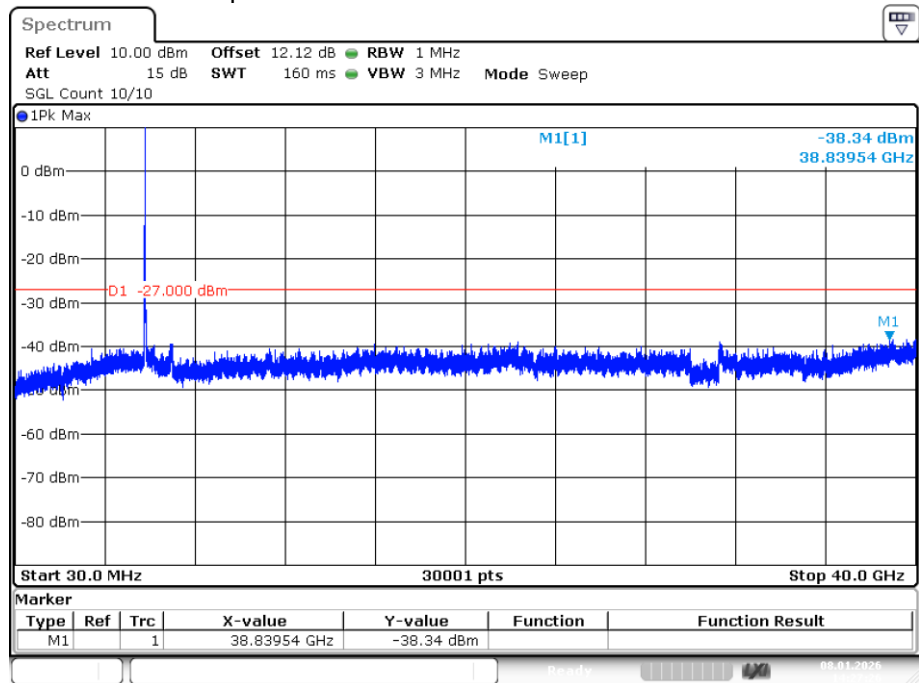
Date: 8.JAN.2026 14:12:23

Tx. Spurious NVNT ax20 5745MHz Ant1 Emission



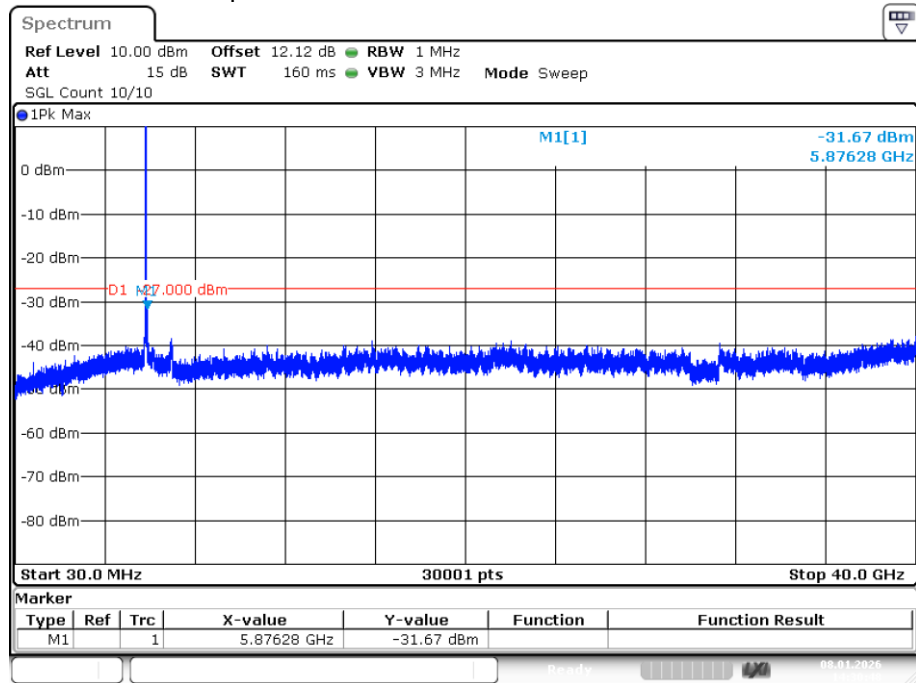
Date: 8.JAN.2026 14:22:33

Tx. Spurious NVNT ax20 5785MHz Ant1 Emission



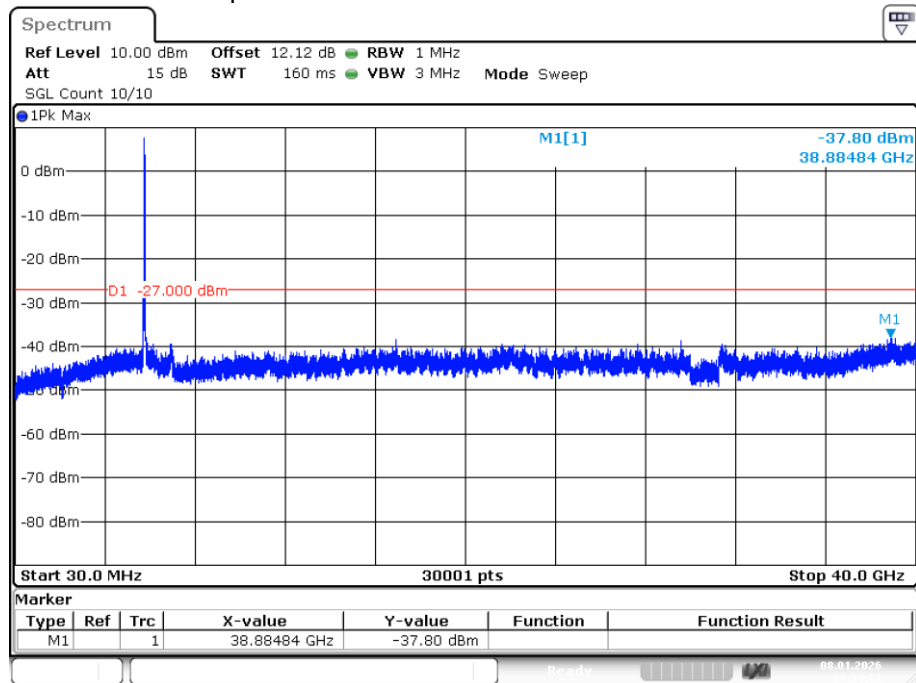
Date: 8.JAN.2026 14:27:26

Tx. Spurious NVNT ax20 5825MHz Ant1 Emission



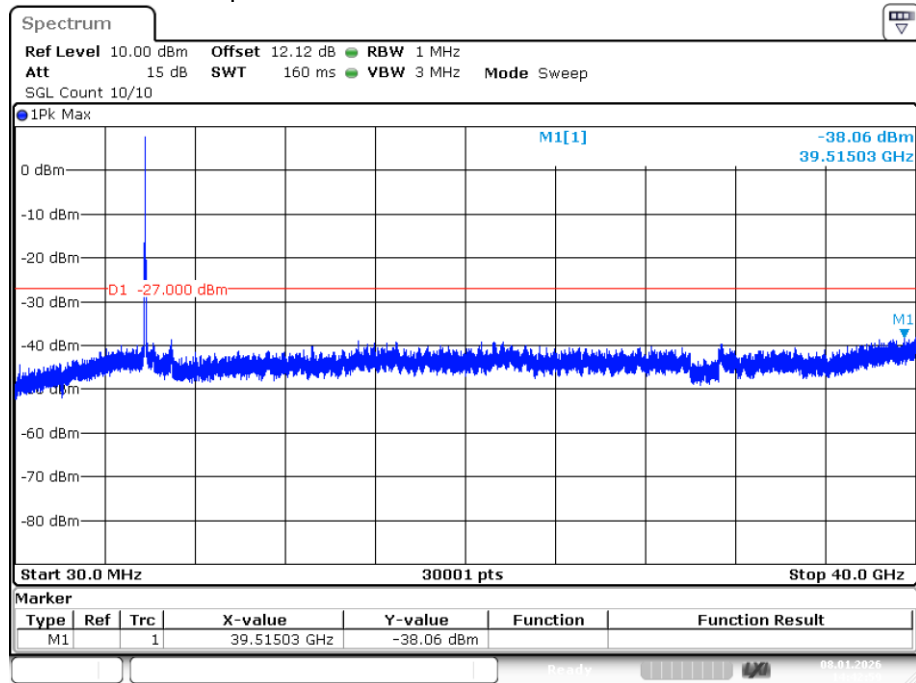
Date: 8.JAN.2026 14:30:48

Tx. Spurious NVNT ax40 5755MHz Ant1 Emission



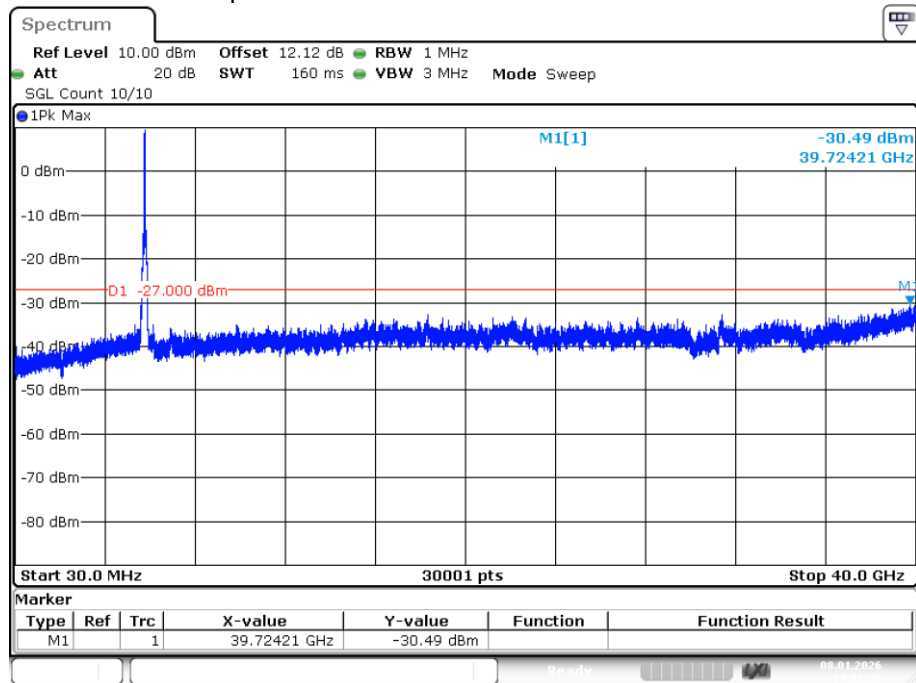
Date: 8.JAN.2026 14:34:12

Tx. Spurious NVNT ax40 5795MHz Ant1 Emission



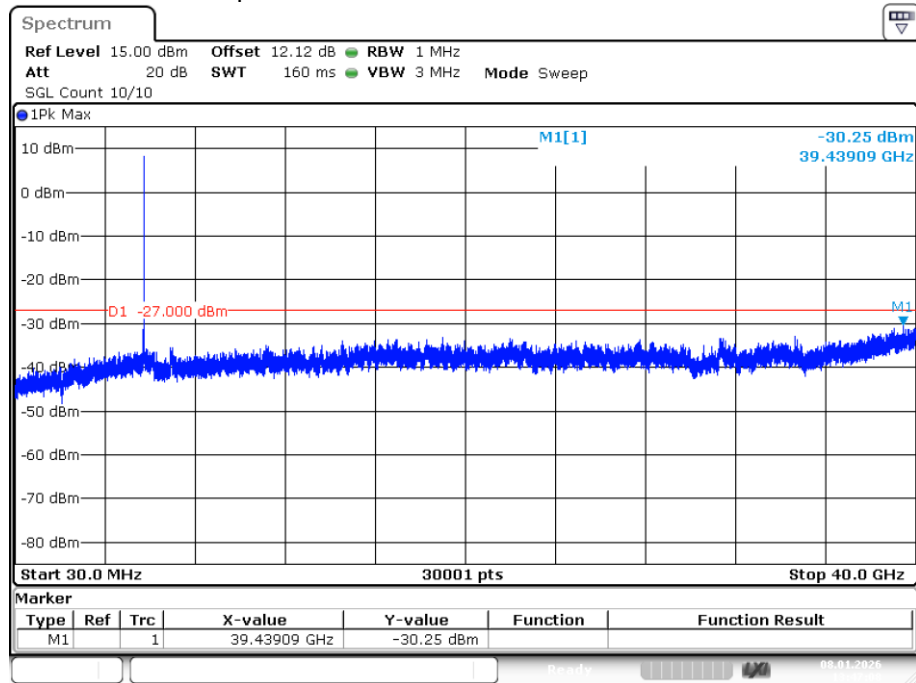
Date: 8.JAN.2026 14:42:59

Tx. Spurious NVNT ax80 5775MHz Ant1 Emission



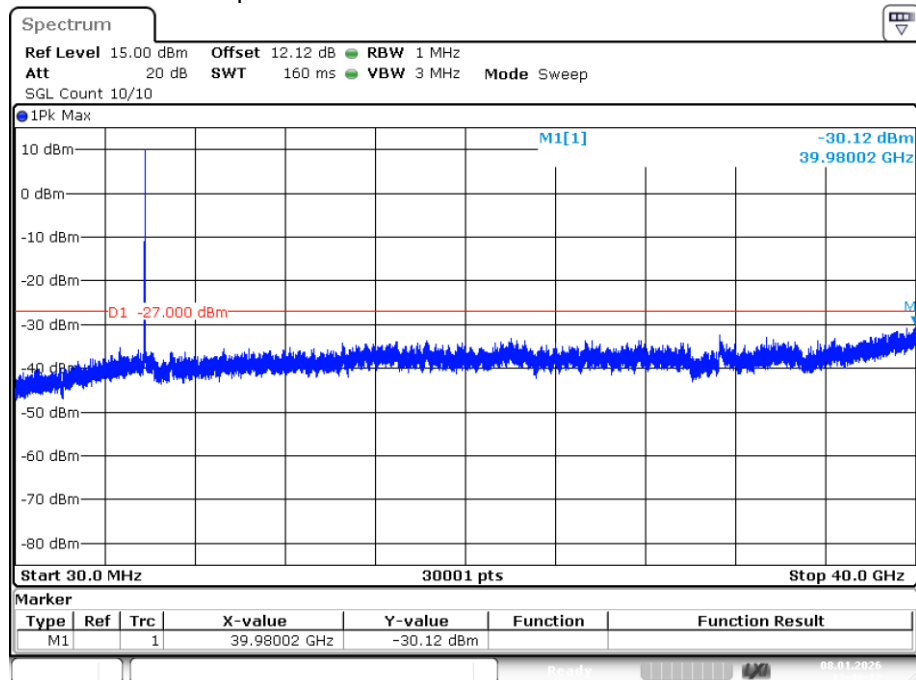
Date: 8.JAN.2026 14:52:25

Tx. Spurious NVNT n20 5745MHz Ant1 Emission



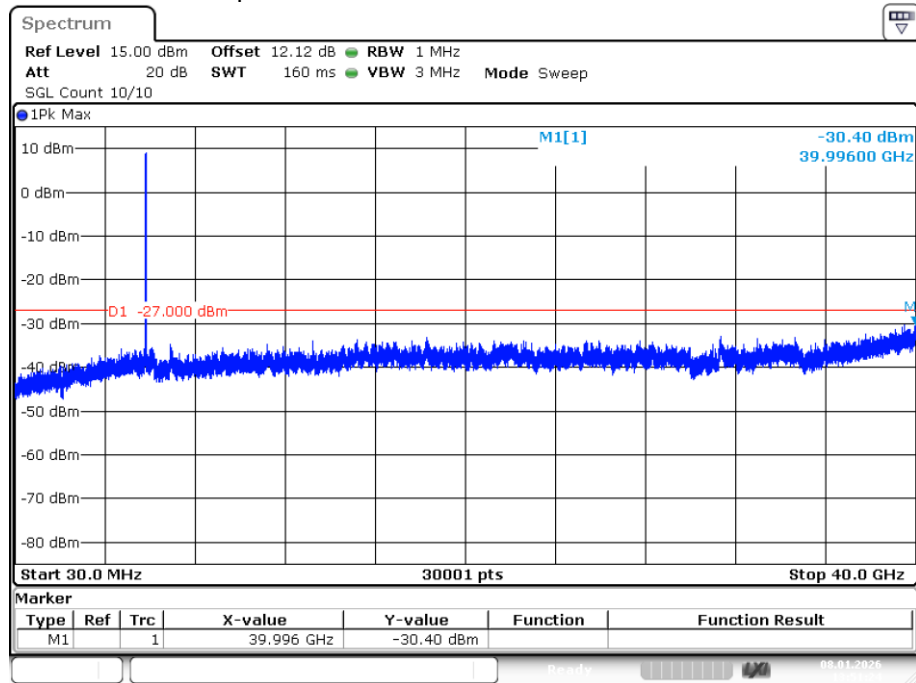
Date: 8.JAN.2026 13:47:08

Tx. Spurious NVNT n20 5785MHz Ant1 Emission



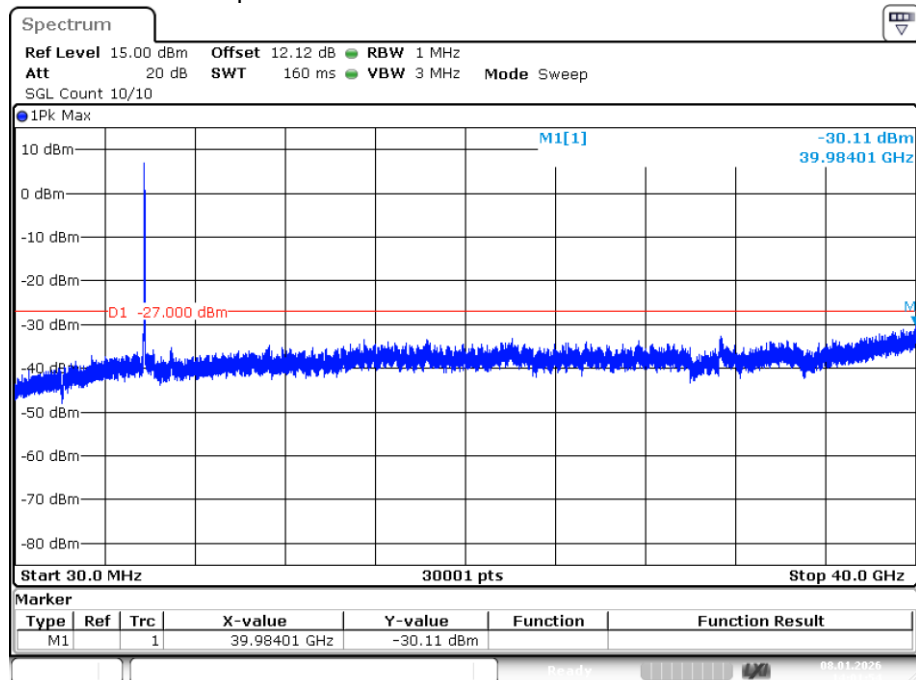
Date: 8.JAN.2026 13:49:22

Tx. Spurious NVNT n20 5825MHz Ant1 Emission

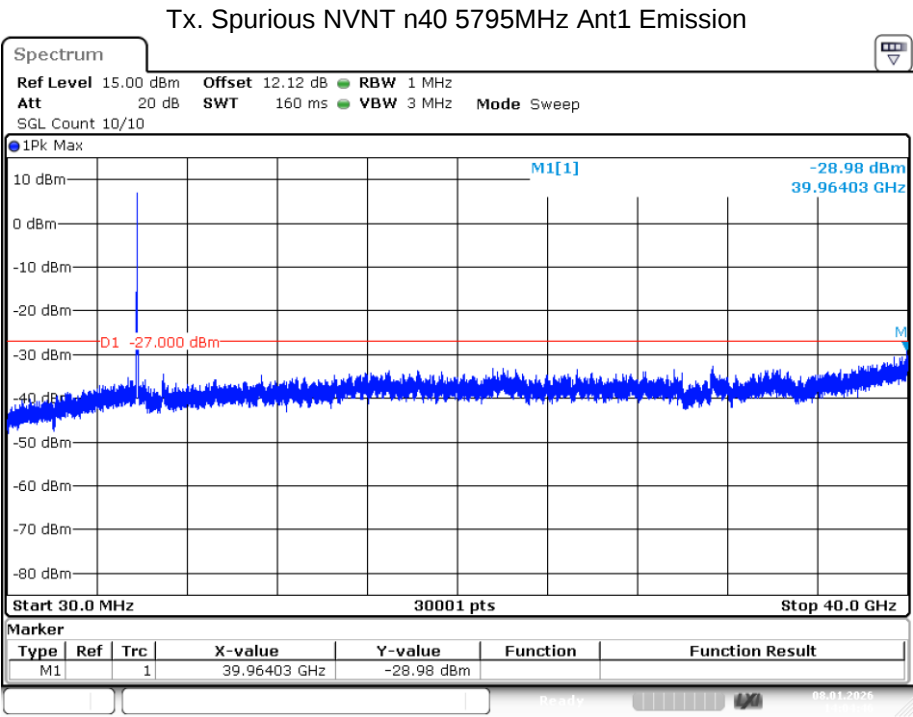


Date: 8.JAN.2026 13:51:24

Tx. Spurious NVNT n40 5755MHz Ant1 Emission



Date: 8.JAN.2026 14:01:54



Date: 8.JAN.2026 14:04:46

Note: offset=cable factor

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