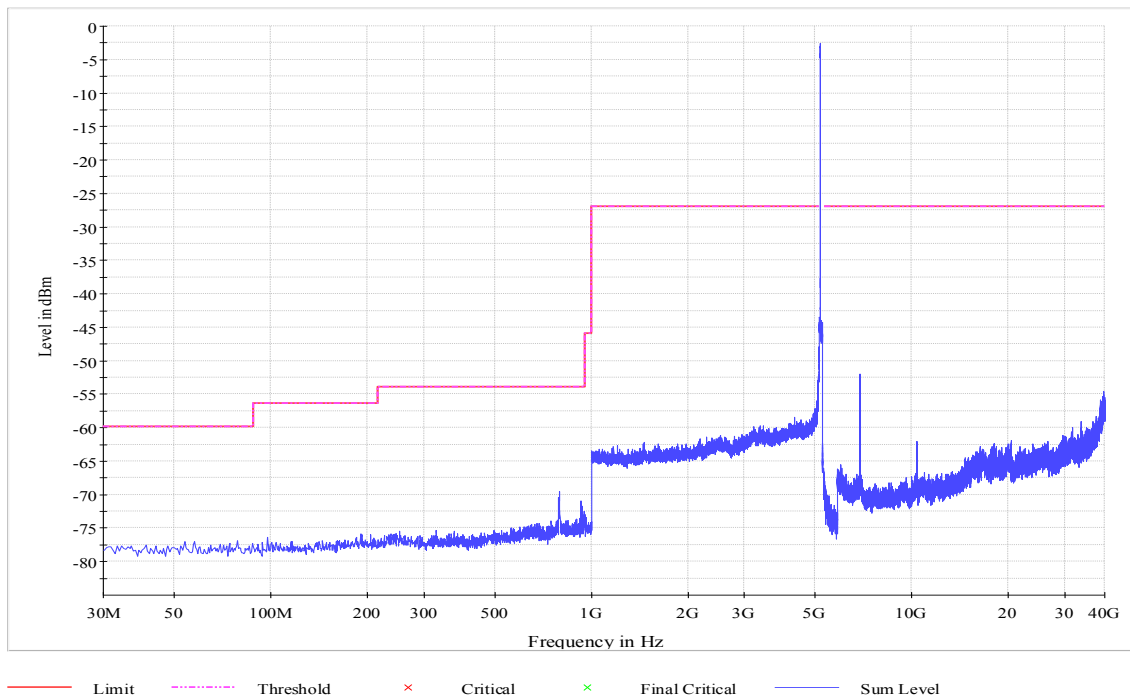


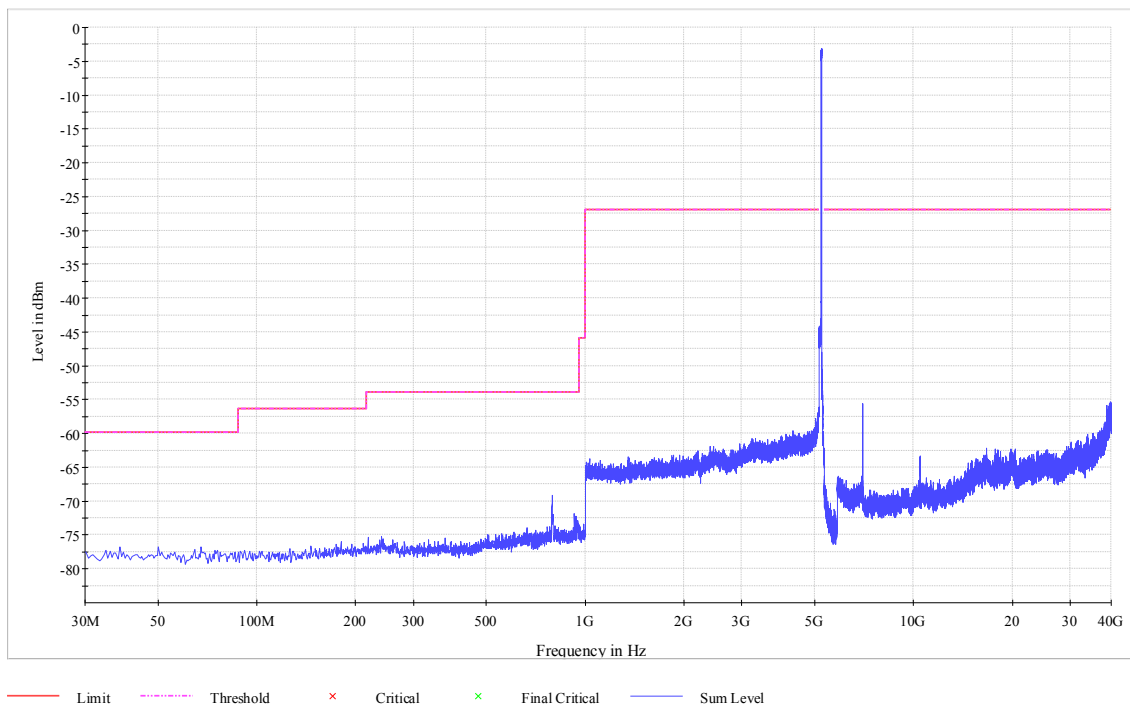
Plot 294: Mode 1, U-NII-1, CSE, channel 36, 5180 MHz

Spurious



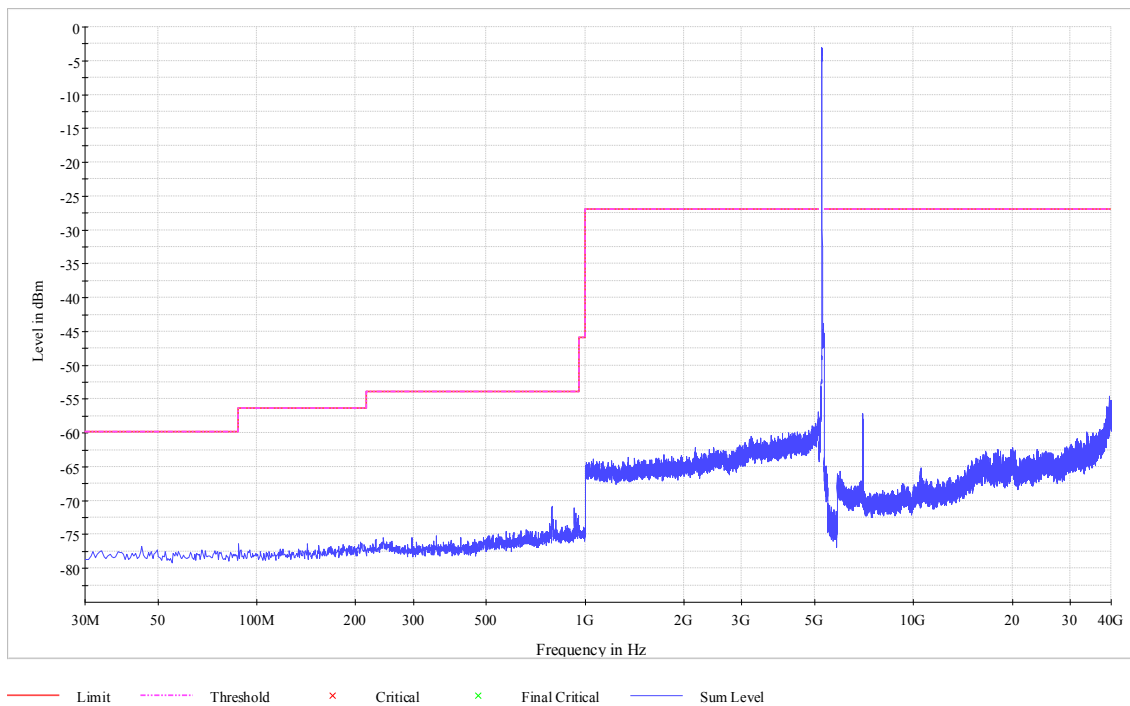
Plot 295: Mode 1, U-NII-1, CSE, channel 48, 5240 MHz

Spurious



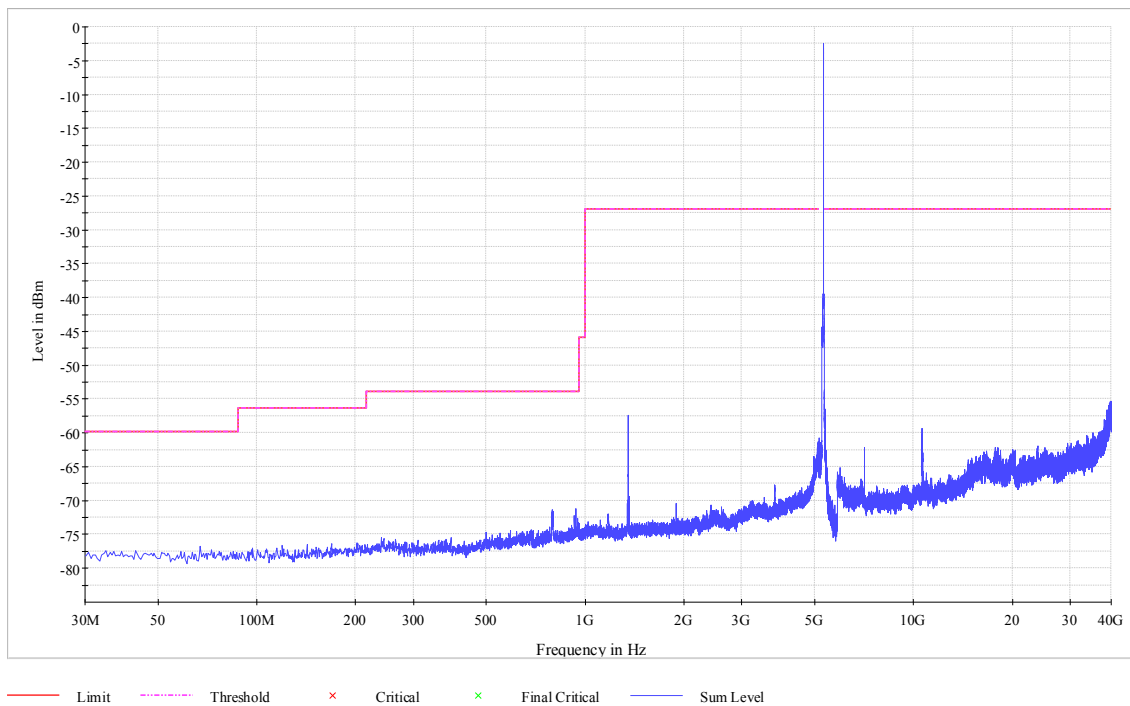
Plot 296: Mode 1, U-NII-2A, CSE, channel 52, 5260 MHz

Spurious



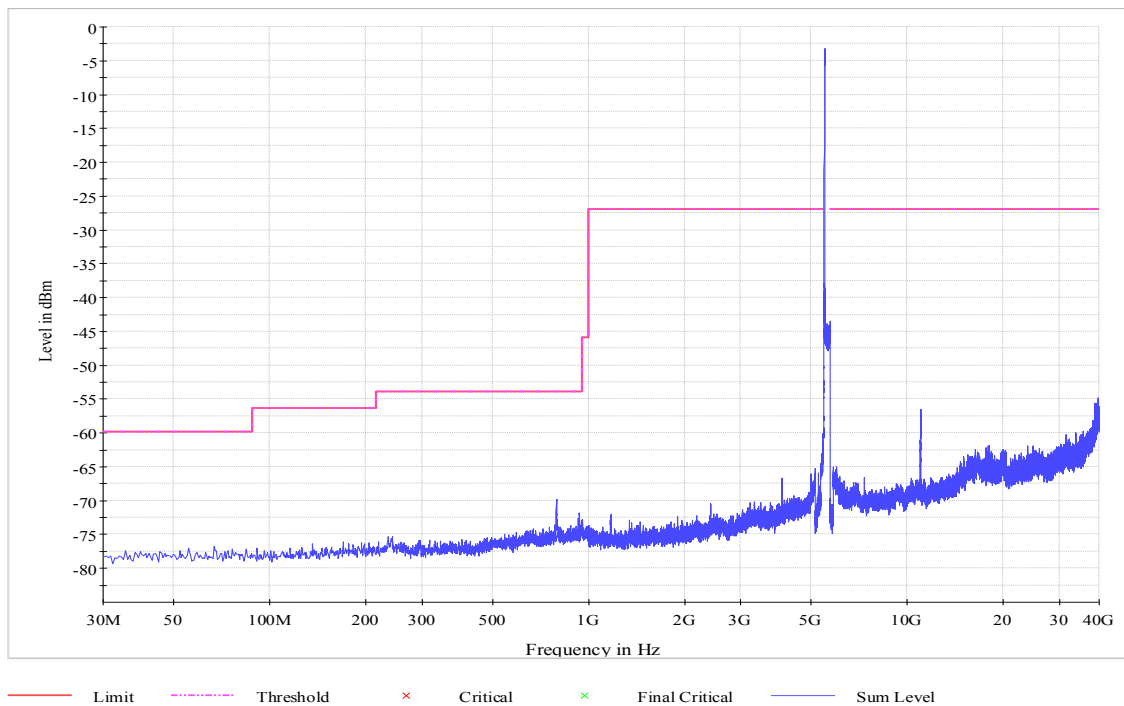
Plot 297: Mode 1, U-NII-2A, CSE, channel 64, 5.320 MHz

Spurious



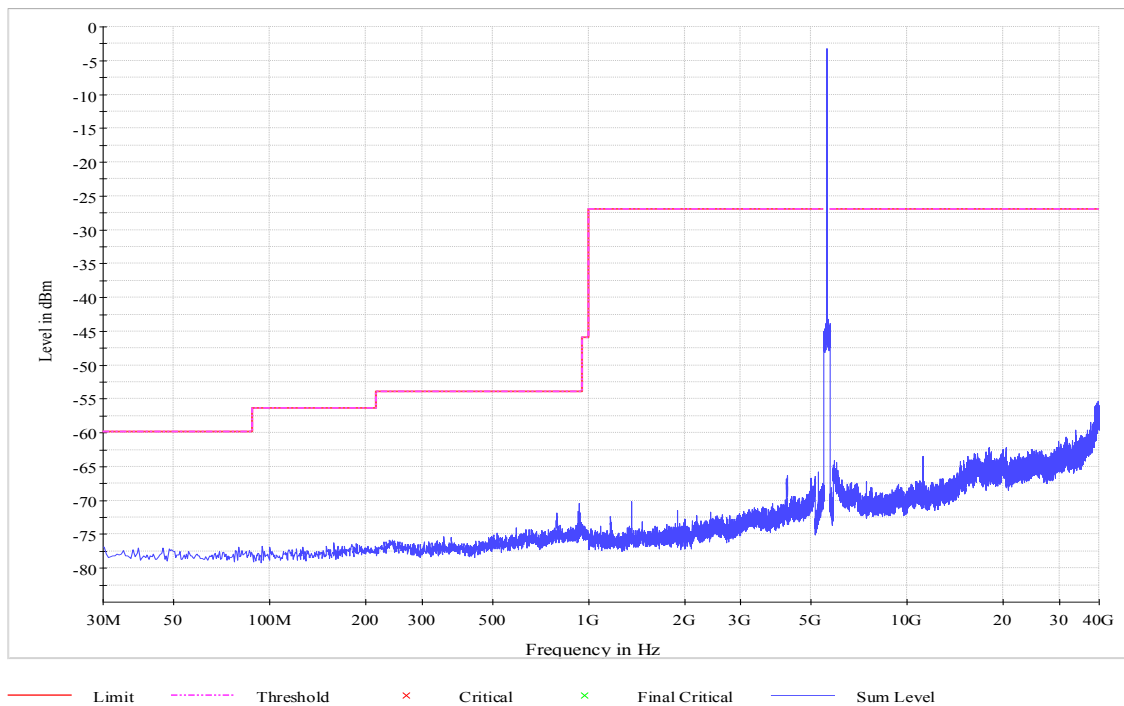
Plot 298: Mode 1, U-NII-2C, CSE, channel 100, 5500 MHz

Spurious



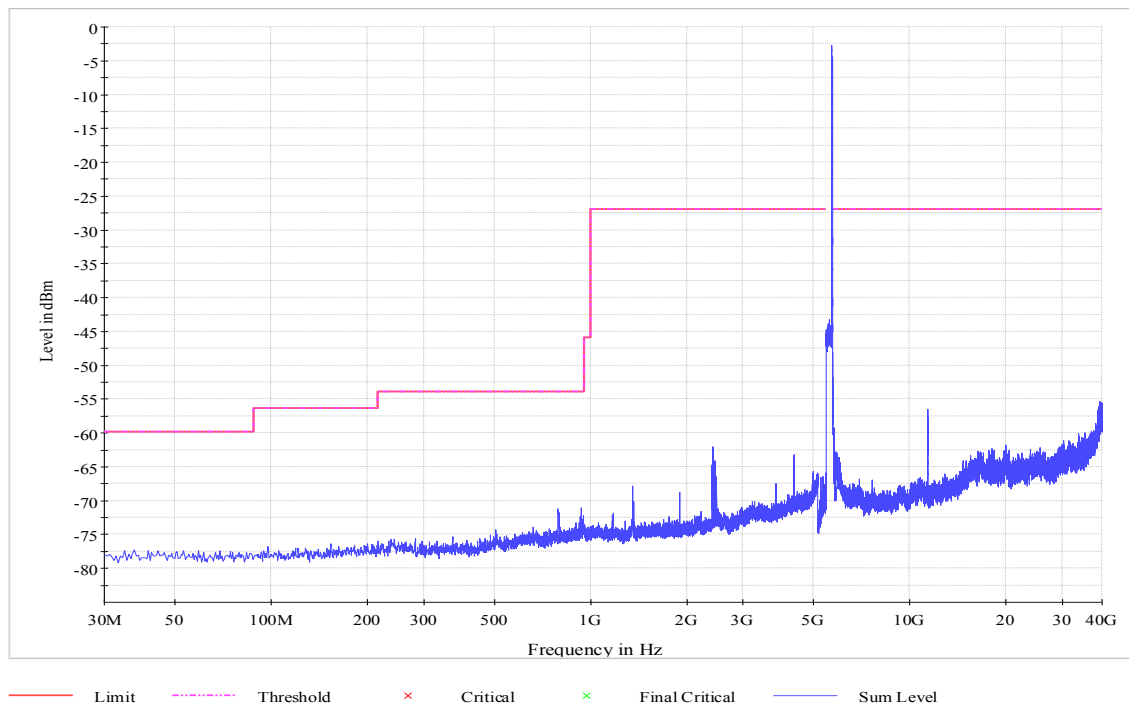
Plot 299: Mode 1, U-NII-2C, CSE, channel 120, 5600 MHz

Spurious



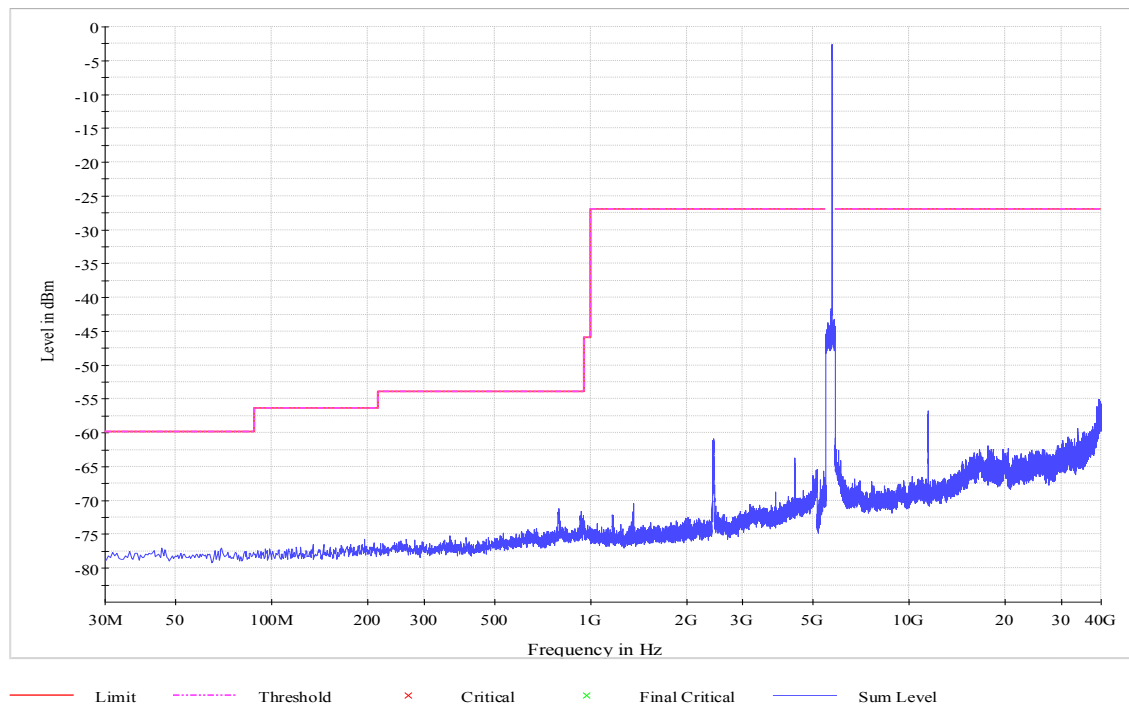
Plot 300: Mode 1, U-NII-2C, CSE, channel 140, 5700 MHz

Spurious



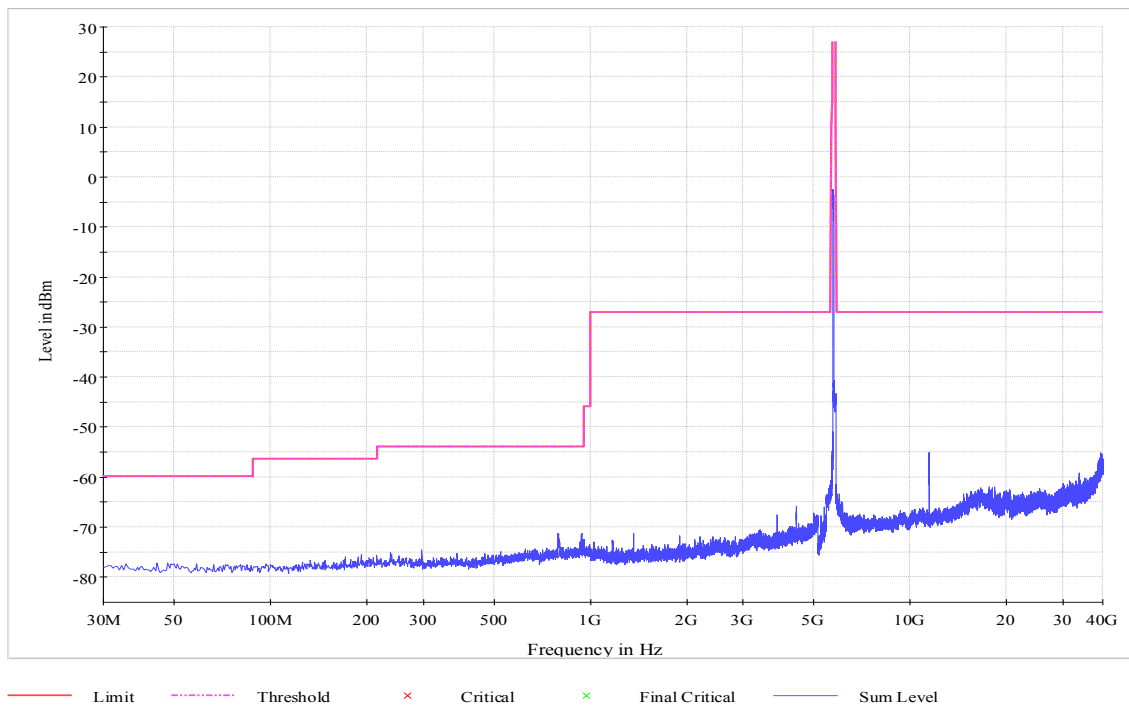
Plot 301: Mode 1, U-NII-2C, CSE, channel 144, 5720 MHz

Spurious



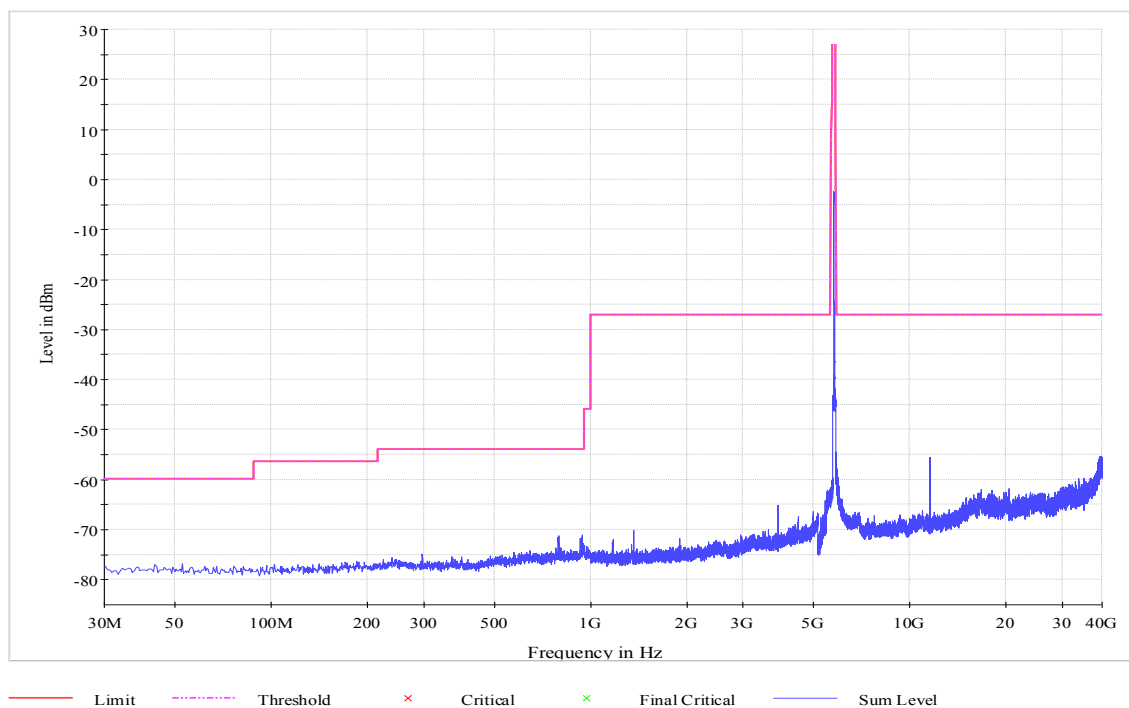
Plot 302: Mode 1, U-NII-3, CSE, channel 149, 5745 MHz

Spurious



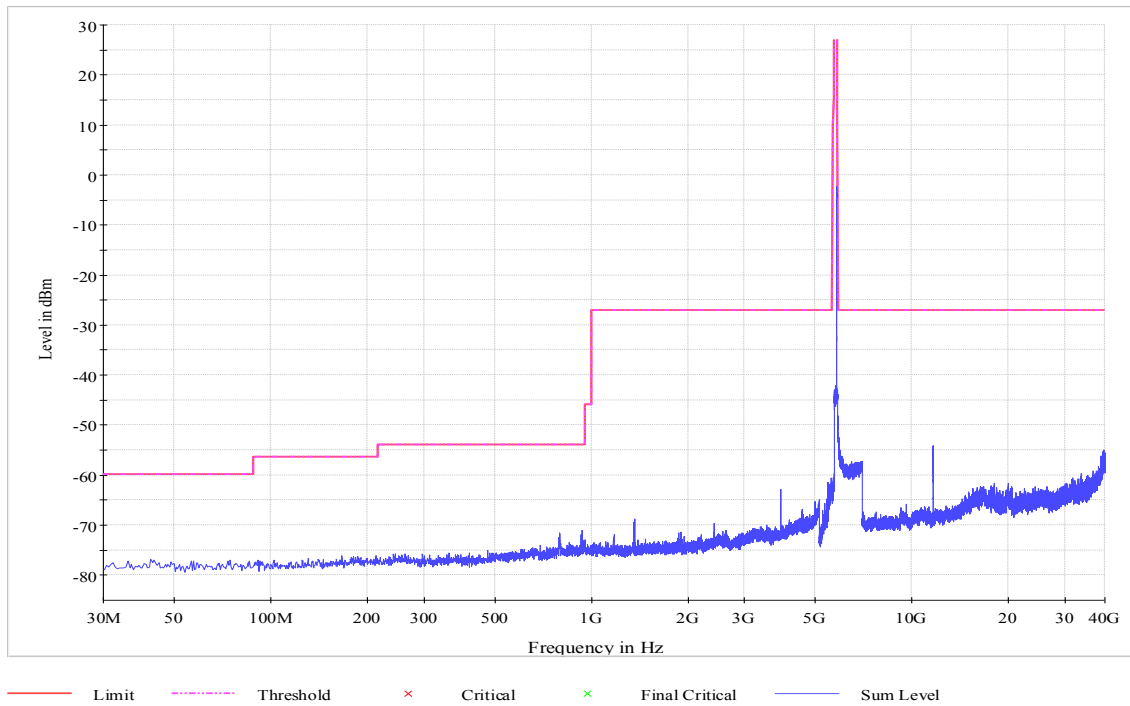
Plot 303: Mode 1, U-NII-3, CSE, channel 157, 5785 MHz

Spurious



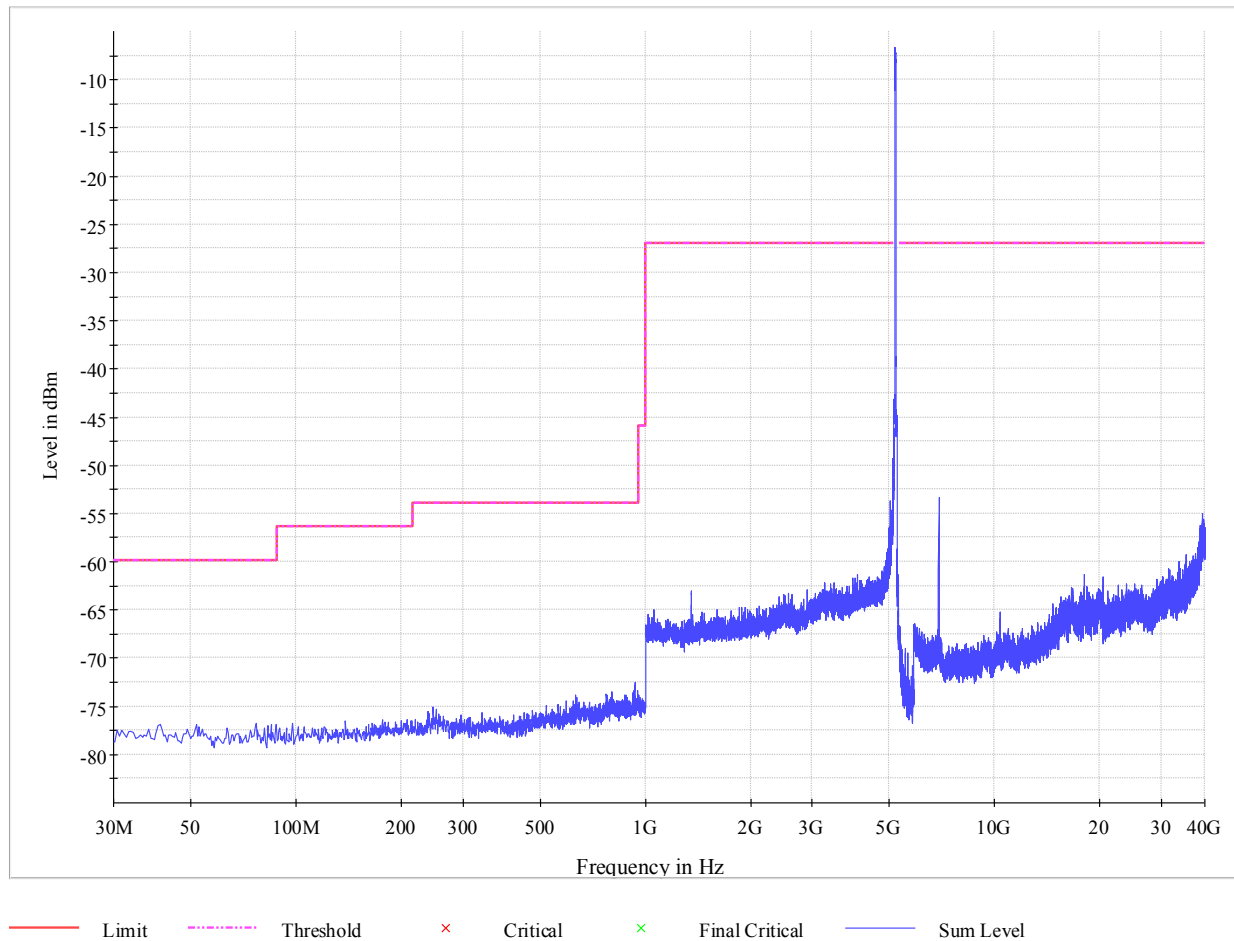
Plot 304: Mode 1, U-NII-3, CSE, channel 165, 5825 MHz

Spurious



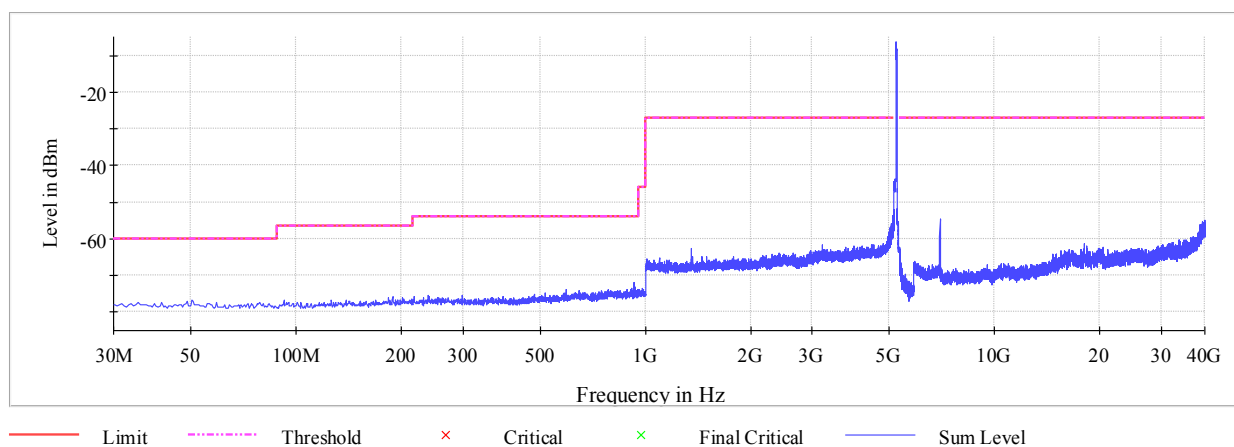
Plot 305: Mode 3, U-NII-1, CSE, channel 38, 5190 MHz

Spurious



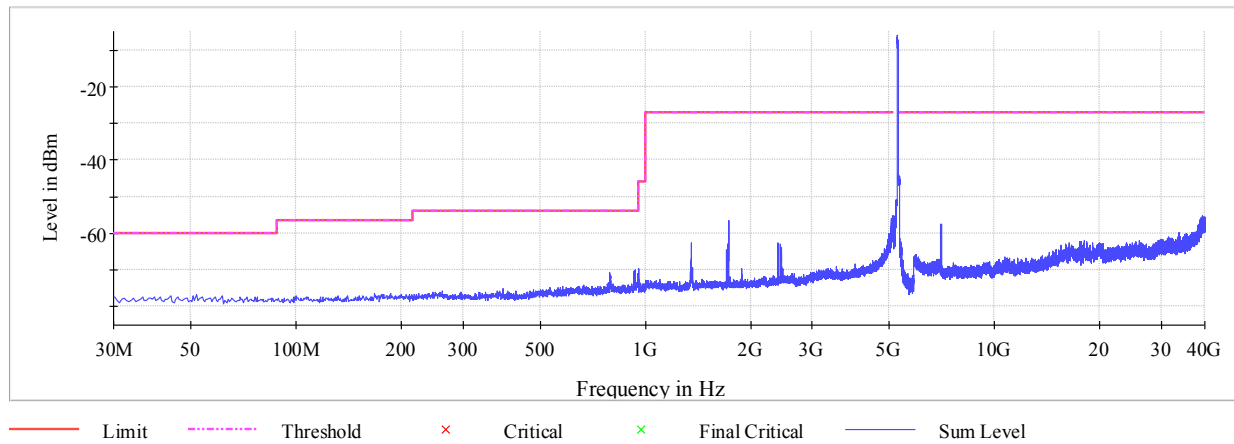
Plot 306: Mode 3, U-NII-1, CSE, channel 46, 5230 MHz

Spurious



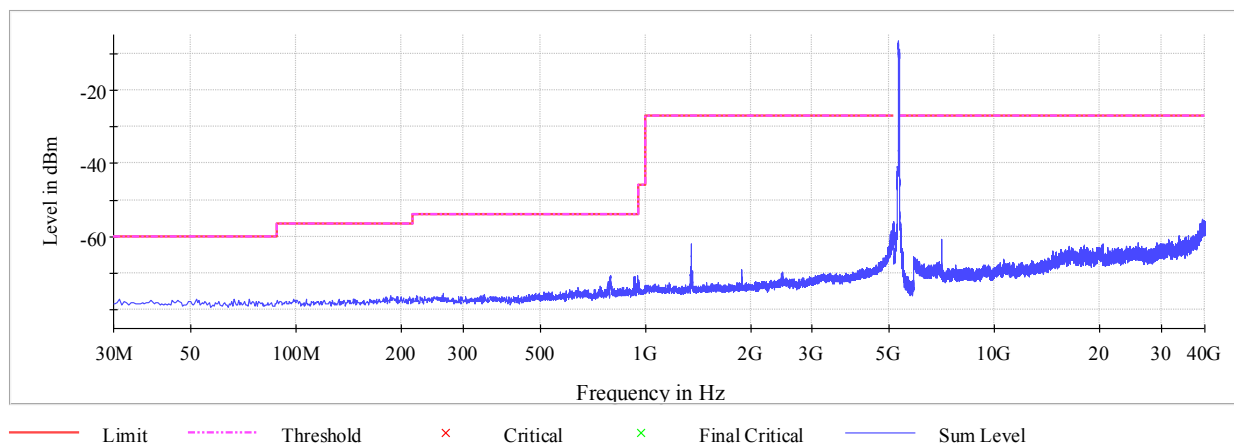
Plot 307: Mode 3, U-NII-2A, CSE, channel 54, 5270 MHz

Spurious



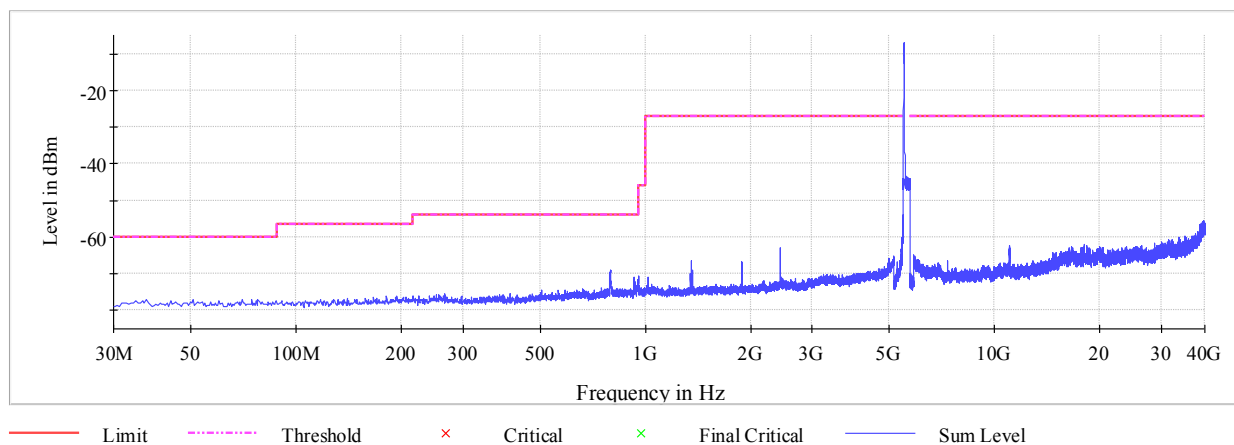
Plot 308: Mode 3, U-NII-2A, CSE, channel 62, 5.310 MHz

Spurious

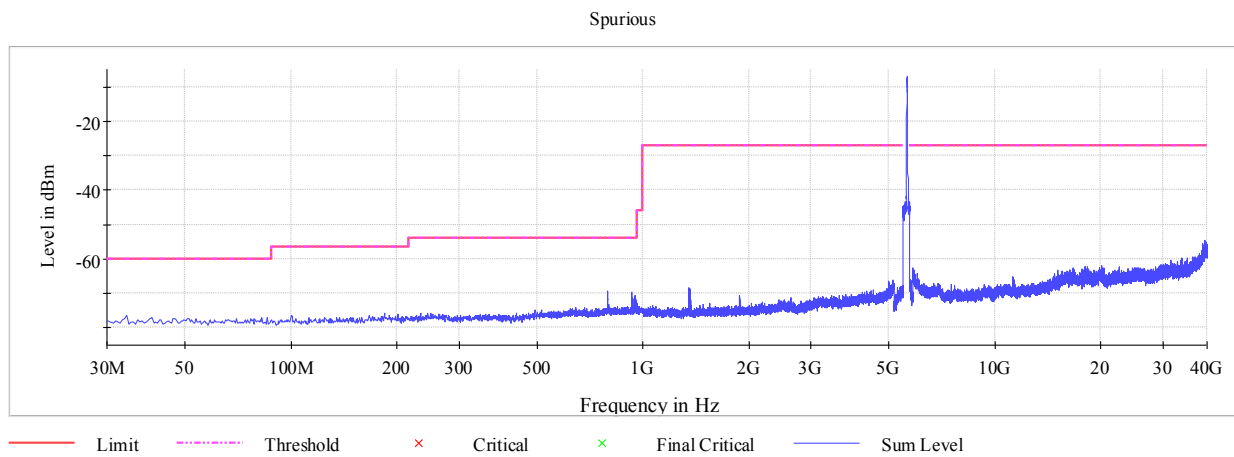


Plot 309: Mode 3, U-NII-2C, CSE, channel 102, 5510 MHz

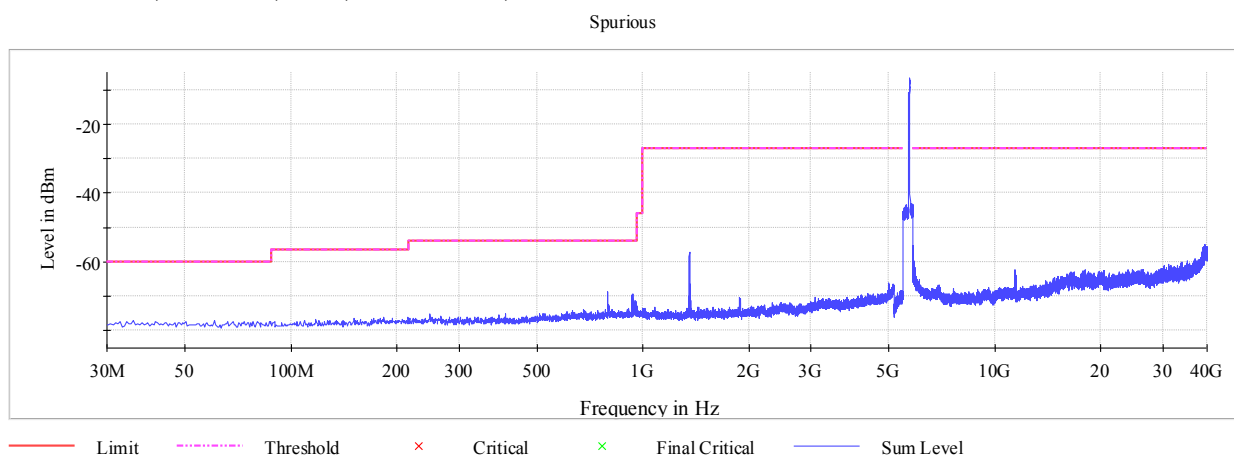
Spurious



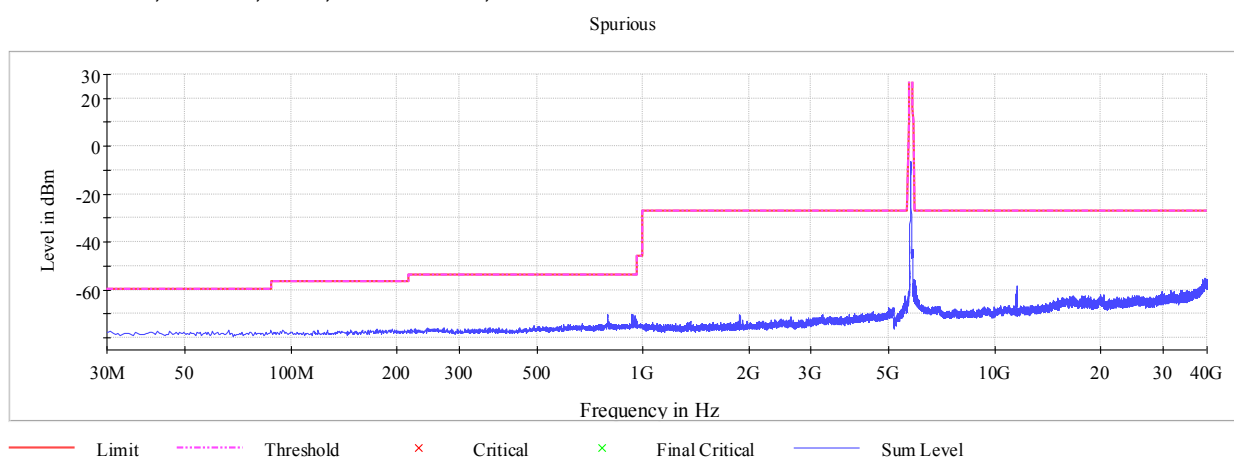
Plot 310: Mode 3, U-NII-2C, CSE, channel 126, 5630 MHz



Plot 311: Mode 3, U-NII-2C, CSE, channel 142, 5710 MHz

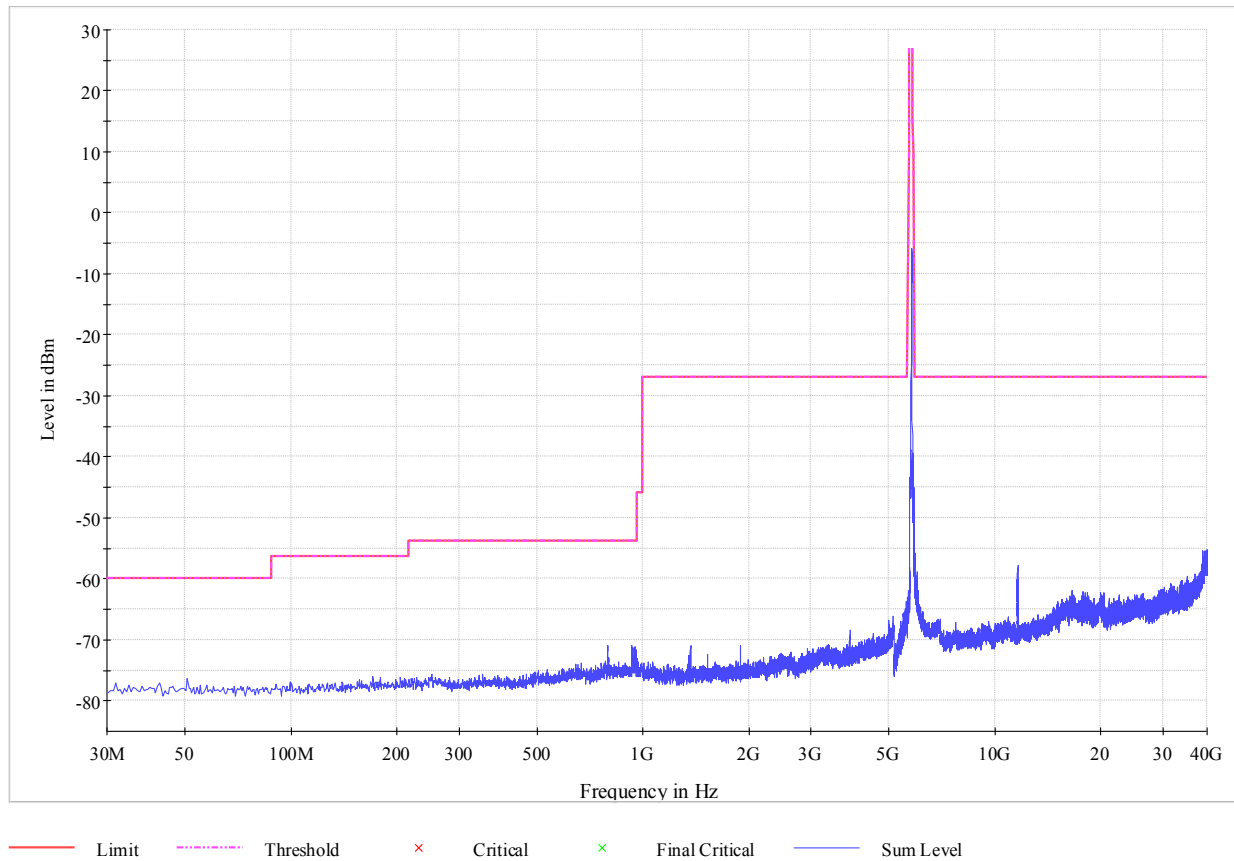


Plot 312: Mode 3, U-NII-3, CSE, channel 151, 5755 MHz



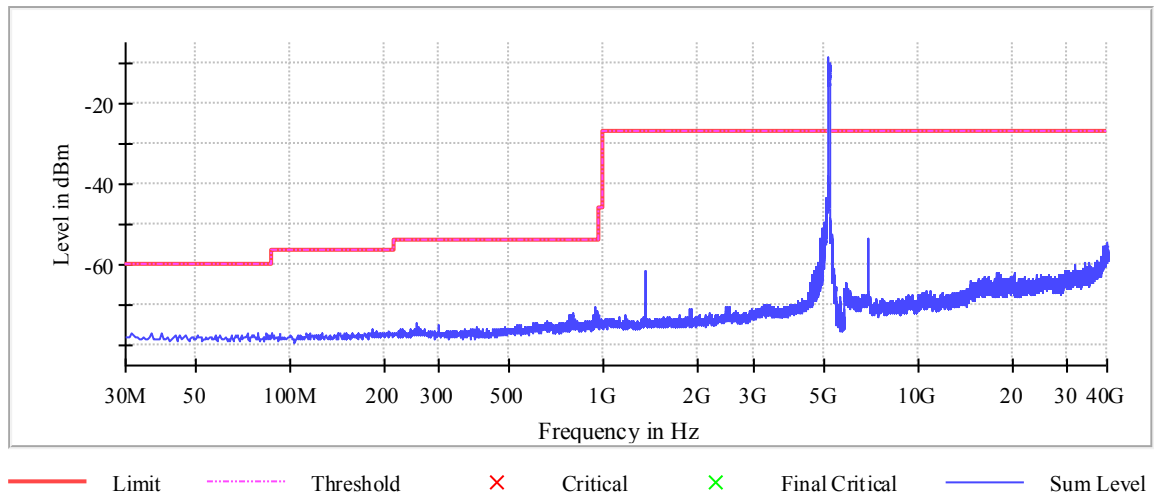
Plot 313: Mode 3, U-NII-3, CSE, channel 159, 5795 MHz

Spurious



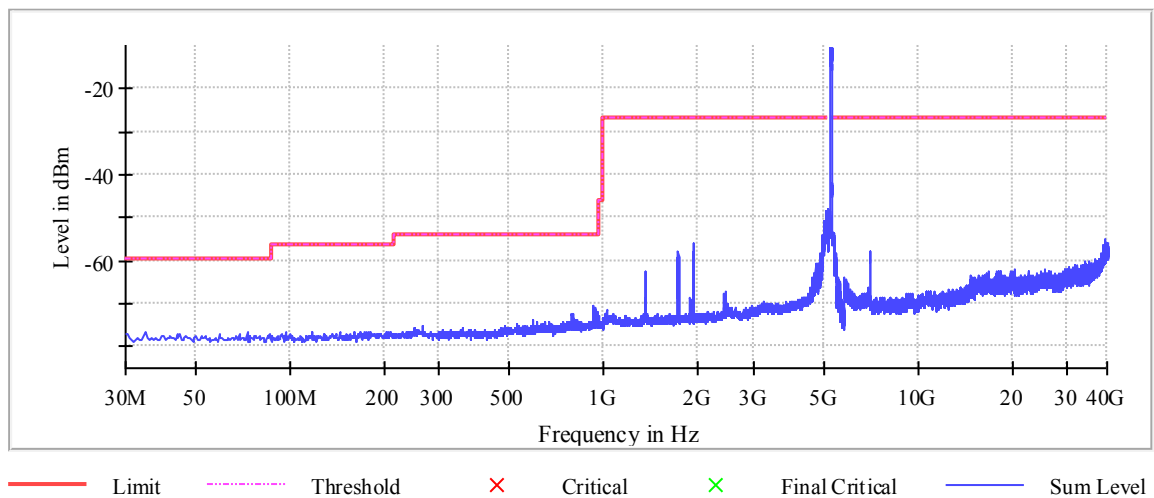
Plot 314: Mode 6, U-NII-1, CSE, channel 42, 5210 MHz

Spurious



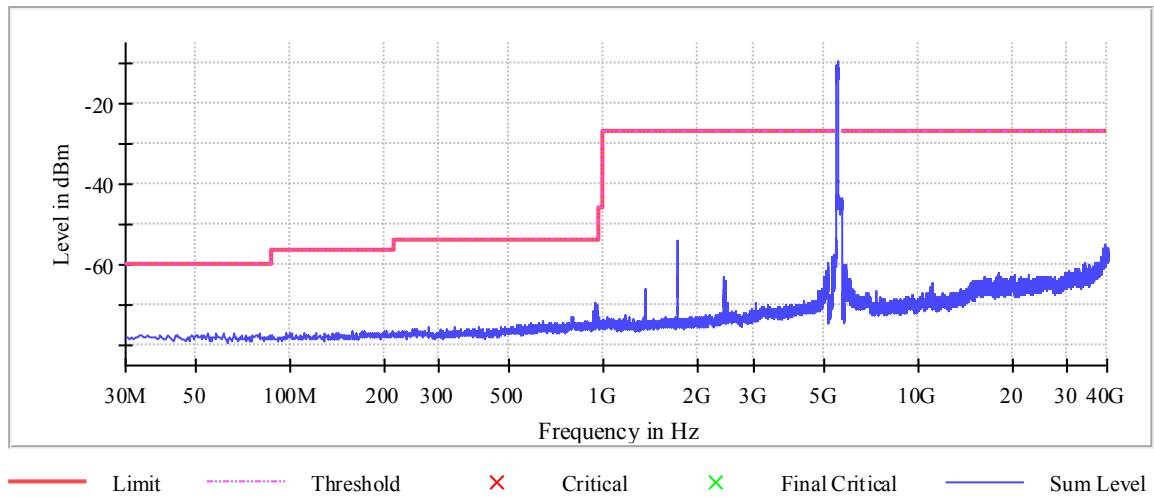
Plot 315: Mode 6, U-NII-2A, CSE, channel 58, 5290 MHz

Spurious



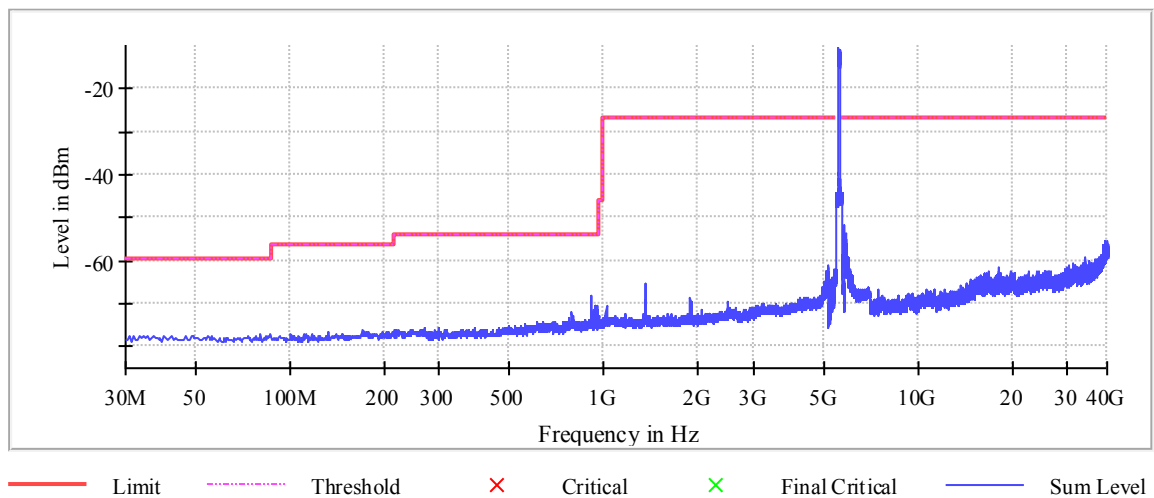
Plot 316: Mode 6, U-NII-2C, CSE, channel 106, 5530 MHz

Spurious



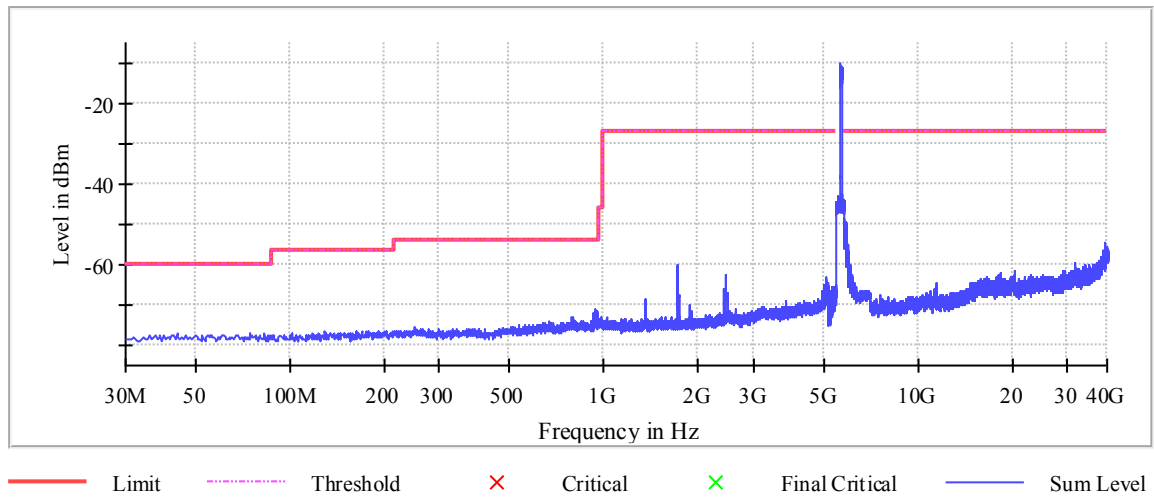
Plot 317: Mode 6, U-NII-2C, CSE, channel 122, 5610 MHz

Spurious



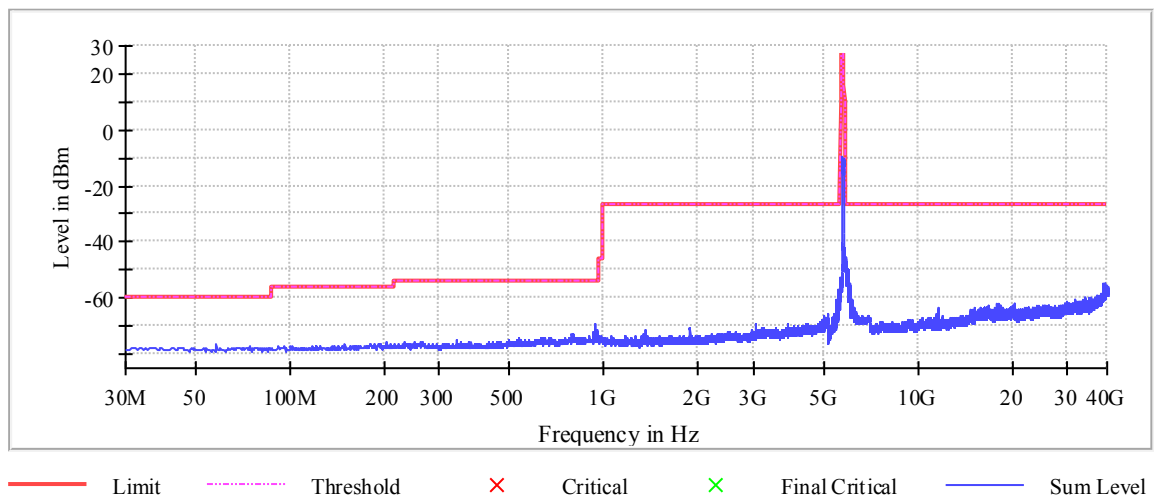
Plot 318: Mode 6, U-NII-2C, CSE, channel 138, 5690 MHz

Spurious



Plot 319: Mode 6, U-NII-3, CSE, channel 155, 5775 MHz

Spurious



7.10 Radiated Spurious Emissions (RSE)

Applicability

This requirement applies to unlicensed National Information Infrastructure (U-NII) devices operating in the 5.15–5.35 GHz, 5.47–5.725 GHz and 5.725–5.85 GHz bands.

Description

Spurious emission / unwanted emissions are emission on a frequency or frequencies which are outside the authorized band and the level of which may be reduced without affecting the corresponding transmission of information. Spurious emissions include harmonic emissions, parasitic emissions, intermodulation products and frequency conversion products. Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation.

Limits

§15.407(b)

All emissions out- side of the operational frequency band shall not exceed an e.i.r.p. of -27 dBm/MHz.

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209.

Frequency [MHz]	Field Strength [μV/m] / [dBμV/m]	Measurement distance [m]
0.009 – 0.490	2400/F[kHz]	300
0.490 – 1.705	24000/F[kHz]	30
1.705 – 30.0	30.0 / 29.5	30
30 – 88	100 / 40.0	3
88 – 216	150 / 43.5	3
216 – 960	200 / 46.0	3
960 – 40 000	500 / 54.0	3

Note:

Measurements are performed as field strength measurement in dBμV. -27 dBm/MHz limit value corresponds to a limit of 67.9 dBμV measured in a distance of 3.

Test procedure

Test according to FCC title 47 part 15 §15.407(b), KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 II.G.4&5 and ANSI C63.10-2013

Test setup: 8.1, 8.2, 8.3 with radiated test sample (see section 5.2)

Test results: 20 MHz channels					
EUT Mode / Channel	Frequency [MHz]	Peak/RMS Detector	Level [dBm]	Limit [dBm]	Verdict
Mode 1 / channel 36	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 48	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 52	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 64	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 100	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 120	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 140	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 144	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 149	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 157	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 1 / channel 165	see next plots	MaxPeak	see next plots*	see next plots	- passed -

* all detected peaks are more than 6 dB below the limit

Test results: 40 MHz channels					
EUT Mode / Channel	Frequency [MHz]	Peak/RMS Detector	Level [dBm]	Limit [dBm]	Verdict
Mode 3 / channel 38	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 46	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 54	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 62	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 102	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 126	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 142	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 151	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 3 / channel 159	see next plots	MaxPeak	see next plots*	see next plots	- passed -

* all detected peaks are more than 6 dB below the limit

Test results: 80 MHz channels

EUT Mode / Channel	Frequency [MHz]	Peak/RMS Detector	Level [dBm]	Limit [dBm]	Verdict
Mode 6 / channel 42	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 6 / channel 58	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 6 / channel 106	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 6 / channel 122	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 6 / channel 138	see next plots	MaxPeak	see next plots*	see next plots	- passed -
Mode 6 / channel 155	see next plots	MaxPeak	see next plots*	see next plots	- passed -

* all detected peaks are more than 6 dB below the limit

Comment:	Radiated Spurious Emissions (RSE) are performed for - mode 1 (20 MHz channel bandwidth), - mode 3 (40 MHz bandwidth), - mode 6 (80 MHz bandwidth) for low / mid / high channels.
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Verdict	- PASS -	<i>see next plots**</i>
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** description of line and marker for all radiated spurious emission (RSE) measurements:

-  positive Peak (Max Hold) trace during pre-scan
-  Max Peak value
-  final Quasi Peak value