

Transmitter Band Edge Radiated Emissions (U-NII-2A) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1****Results: Upper Band Edge / Channel 56 / Peak**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	53.0	74.0	21.0	Complied
5391.120	54.8	74.0	19.2	Complied

Results: Upper Band Edge / Channel 56 / Average

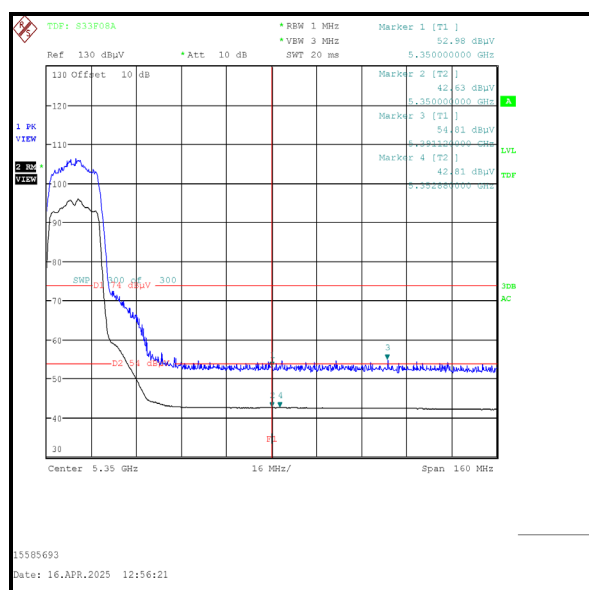
Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	42.6	0.6	43.2	54.0	10.8	Complied
5352.880	42.8	0.6	43.4	54.0	10.6	Complied

Results: Upper Band Edge / Channel 64 / Peak

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	54.0	74.0	20.0	Complied
5373.280	55.3	74.0	18.7	Complied

Results: Upper Band Edge / Channel 64 / Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5350	42.9	0.6	43.5	54.0	10.5	Complied

**Upper Band Edge / Channel 56****Upper Band Edge / Channel 64**

Transmitter Band Edge Radiated Emissions (U-NII-2A) (continued)

Results: 802.11n / 40 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1

Results: Upper Band Edge / Channel 54 / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	51.8	74.0	22.2	Complied
5425.000	53.5	74.0	20.5	Complied

Results: Upper Band Edge / Channel 54 / Average

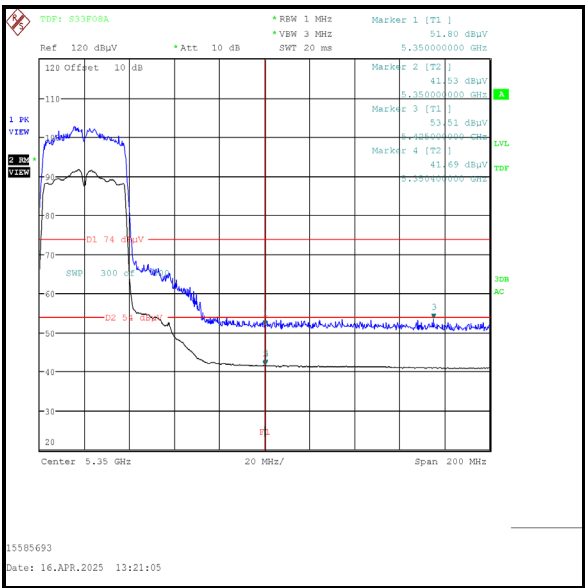
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	41.5	1.2	42.7	54.0	11.3	Complied
5350.400	41.7	1.2	42.9	54.0	11.1	Complied

Results: Upper Band Edge / Channel 62 / Peak

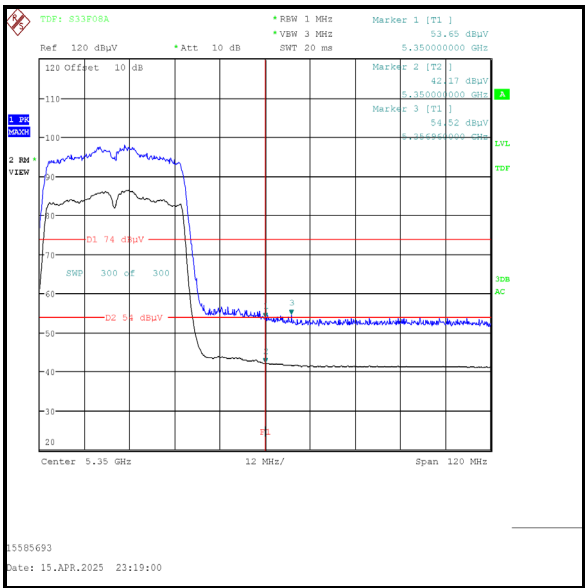
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.7	74.0	20.3	Complied
5356.960	54.4	74.0	19.6	Complied

Results: Upper Band Edge / Channel 62 / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	42.2	1.2	43.4	54.0	10.6	Complied



Upper Band Edge / Channel 54



Upper Band Edge / Channel 62

Transmitter Band Edge Radiated Emissions (U-NII-2A) (continued)

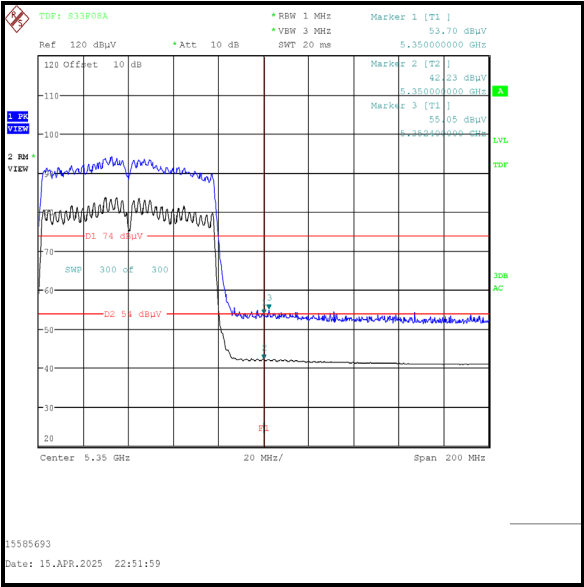
Results: 802.11ac / 80 MHz / MIMO / 2Tx / MCS0x1 / Ant 0 + Ant 1

Results: Upper Band Edge / Channel 58 / Peak

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	53.7	74.0	20.3	Complied
5352.400	55.1	74.0	18.9	Complied

Results: Upper Band Edge / Channel 58 / Average

Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5350	42.2	1.2	43.4	54.0	10.6	Complied



Upper Band Edge / Channel 58

4.4.3 5.47-5.725 GHz band (U-NII-2C)**Test Summary:**

Test Engineers:	John Ferdinand & Nick Steele	Test Date:	16 April 2025
Test Sample Serial Number:	FOC2845HUBH		

FCC Reference:	Part 15.407(b)(3),(10), 15.205 & 15.209(a)
ISED Canada Reference:	RSS-247 6.2.3.2 / RSS-Gen 6.13, 8.9 & 8.10
Test Method Used:	ANSI C63.10 Section 6.10 & KDB 789033 II.G.

Environmental Conditions:

Temperature (°C):	20
Relative Humidity (%):	39

Note(s):

1. 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. However, there are restricted bands of operation below the lower band edge at 4.5-5.15 GHz and also at 5.35-5.46 GHz therefore the provisions of FCC Part 15.205 / RSS-Gen 8.10 apply. Tests were performed for these restricted bands of operation with the results included in the 5.25-5.35 GHz band radiated spurious emissions section of this test report.
2. Results are shown as field strength in dBµV/m. The EIRP limit was converted to field strength, using a conversion factor of 95.2.
3. For all average measurements in this section, 300 sweeps were used. This satisfies the requirement for the minimum number of sweeps, as stated in KDB 789033 Section II.G.6.c) Method AD (vi).
4. In accordance with KDB 789033 Section II.G.6.c) Method AD (vii), for average measurements, data rates where the EUT was transmitting < 98% duty cycle, the duty cycle correction factor calculated in section 4.1 was added to the measured result.
5. Filters and/or attenuators were used as appropriate. The insertion loss was added to the test receiver as a reference level offset.

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Results: 802.11a / 20 MHz / SISO / 6 Mbps / Ant 1

Lower Band Edge / Channel 100

Results: Peak

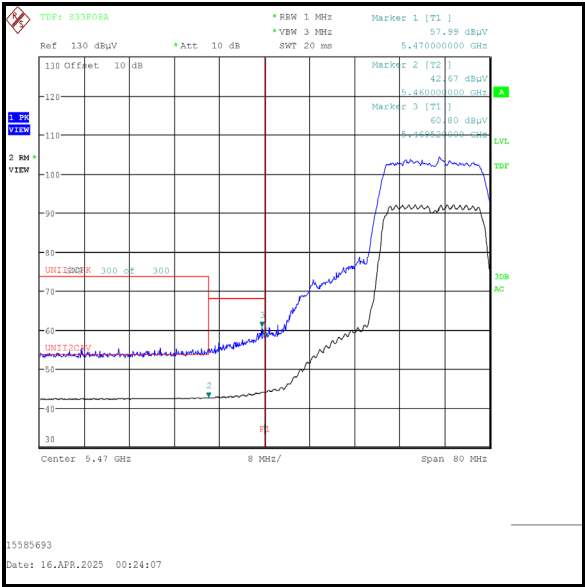
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5469.520	60.8	68.2	7.4	Complied
5470	58.0	68.2	10.2	Complied

Results: Average

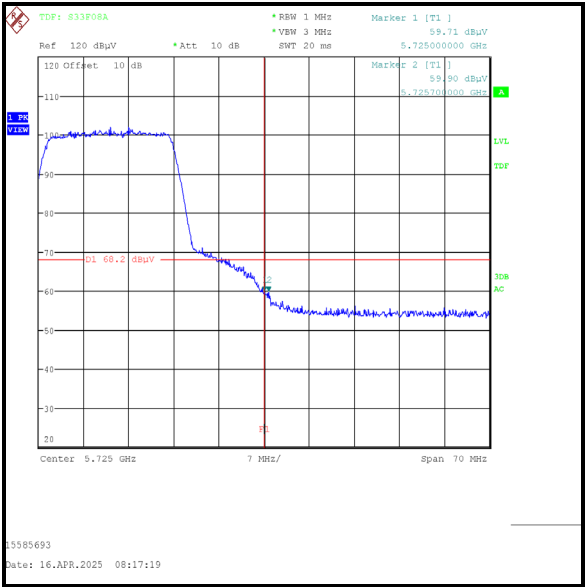
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	42.7	0.3	43.0	54.0	11.0	Complied

Upper Band Edge / Channel 140

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	59.7	68.2	8.5	Complied
5725.700	59.9	68.2	8.3	Complied



Lower Band Edge / Channel 100



Upper Band Edge / Channel 140

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Lower Band Edge / Channel 108

Results: Peak

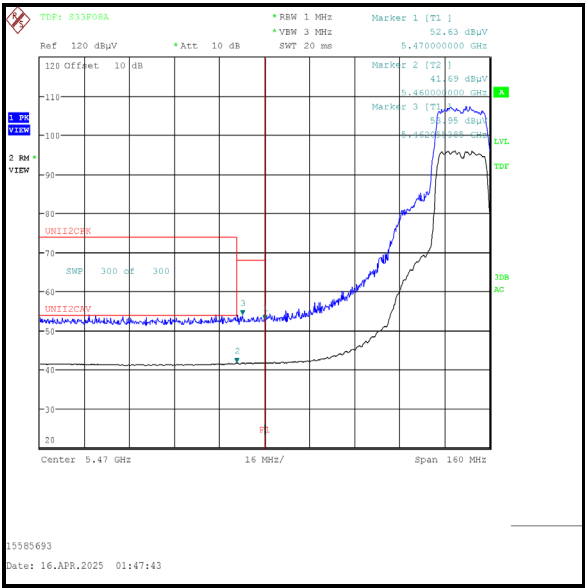
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5462.055	54.0	68.2	14.2	Complied
5470	52.6	68.2	15.6	Complied

Results: Average

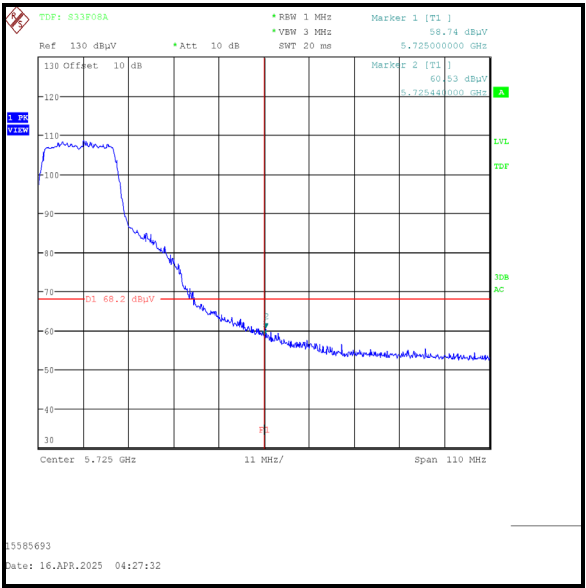
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	41.7	0.3	42.0	54.0	12.0	Complied

Upper Band Edge / Channel 136

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	58.7	68.2	9.5	Complied
5725.440	60.5	68.2	7.7	Complied



Lower Band Edge / Channel 108



Upper Band Edge / Channel 136

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Results: 802.11n / 40 MHz / SISO / MCS0 / Ant 1

Lower Band Edge / Channel 102

Results: Peak

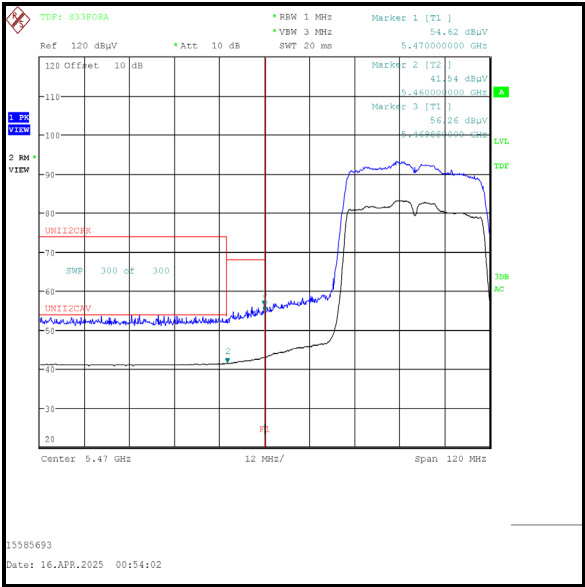
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5469.880	56.3	68.2	11.9	Complied
5470	54.6	68.2	13.6	Complied

Results: Average

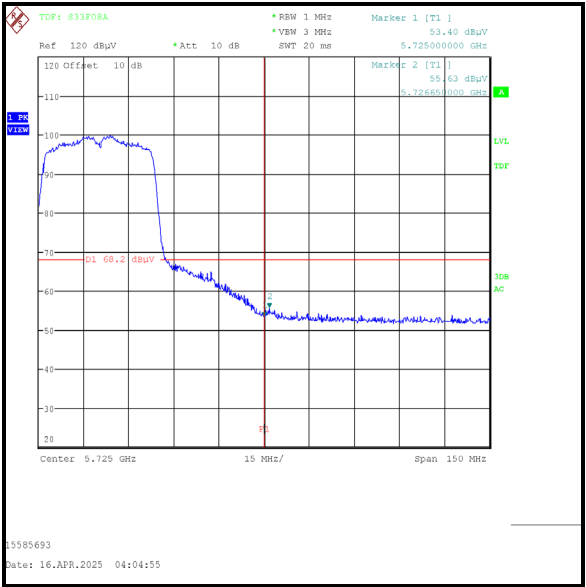
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	41.5	0.6	42.1	54.0	11.9	Complied

Upper Band Edge / Channel 134

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	53.4	68.2	14.8	Complied
5726.650	55.3	68.2	12.9	Complied



Lower Band Edge / Channel 102



Upper Band Edge / Channel 134

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)**Lower Band Edge / Channel 110****Results: Peak**

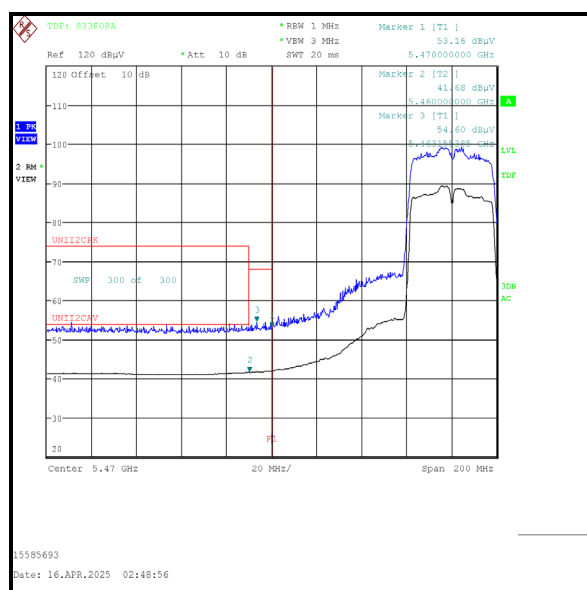
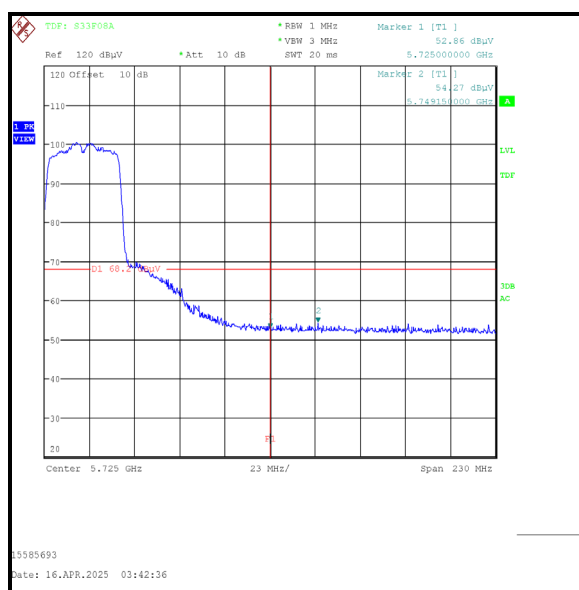
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5463.155	54.6	68.2	13.6	Complied
5470	53.2	68.2	15.0	Complied

Results: Average

Frequency (MHz)	Level (dB μ V/m)	Duty Cycle correction (dB)	Corrected Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5460	41.7	0.6	42.3	54.0	11.7	Complied

Upper Band Edge / Channel 126

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5725	52.9	68.2	15.3	Complied
5749.150	54.3	68.2	13.9	Complied

**Lower Band Edge / Channel 110****Upper Band Edge / Channel 126**

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Results: 802.11ac / 80 MHz / SISO / MCS0x1 / Ant 1

Lower Band Edge / Channel 106

Results: Peak

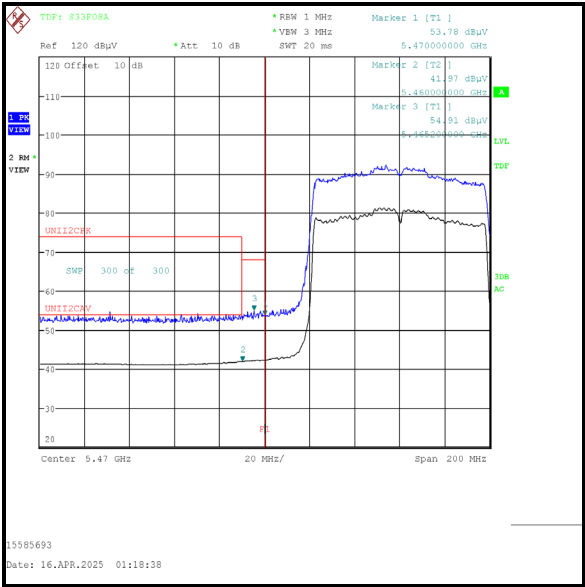
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5465.200	54.9	68.2	13.3	Complied
5470	53.8	68.2	14.4	Complied

Results: Average

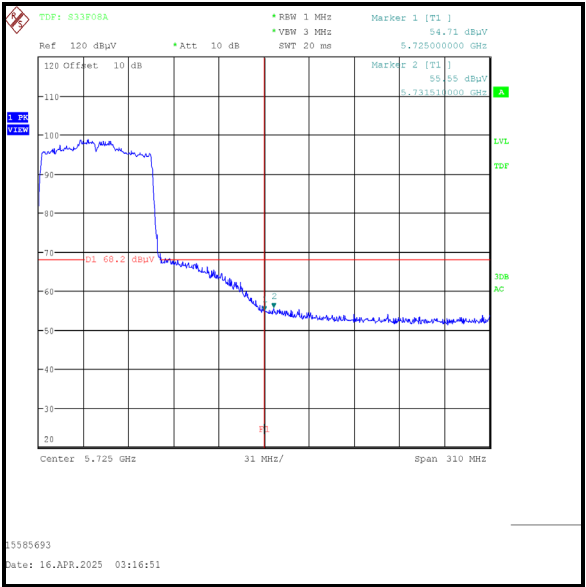
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	42.0	1.2	43.2	54.0	10.8	Complied

Upper Band Edge / Channel 122

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	54.7	68.2	13.5	Complied
5731.510	55.6	68.2	12.6	Complied



Lower Band Edge / Channel 106



Upper Band Edge / Channel 122

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Results: 802.11n / 20 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1

Lower Band Edge / Channel 100

Results: Peak

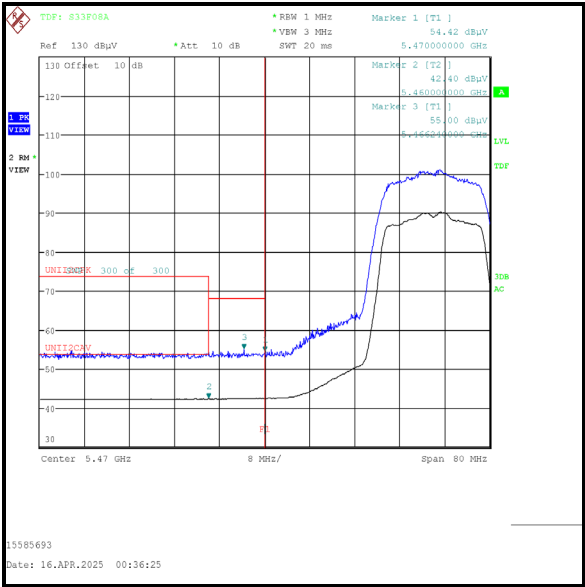
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5466.240	55.0	68.2	13.2	Complied
5470	54.4	68.2	13.8	Complied

Results: Average

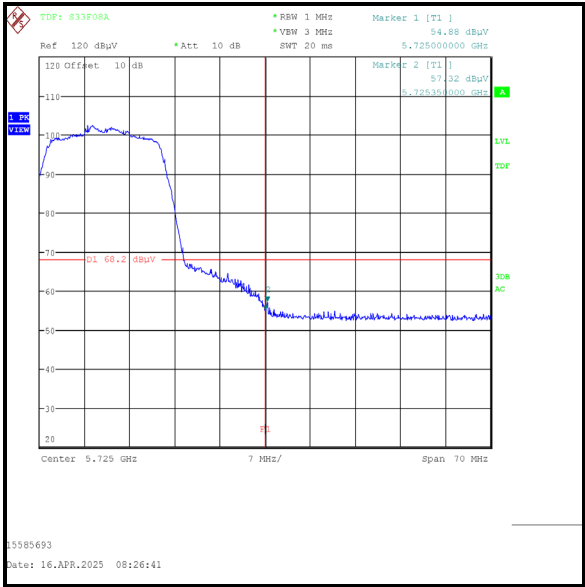
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	42.4	0.6	43.0	54.0	11.0	Complied

Upper Band Edge / Channel 140

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	54.9	68.2	13.3	Complied
5725.350	57.3	68.2	10.9	Complied



Lower Band Edge / Channel 100



Upper Band Edge / Channel 140

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Lower Band Edge / Channel 108

Results: Peak

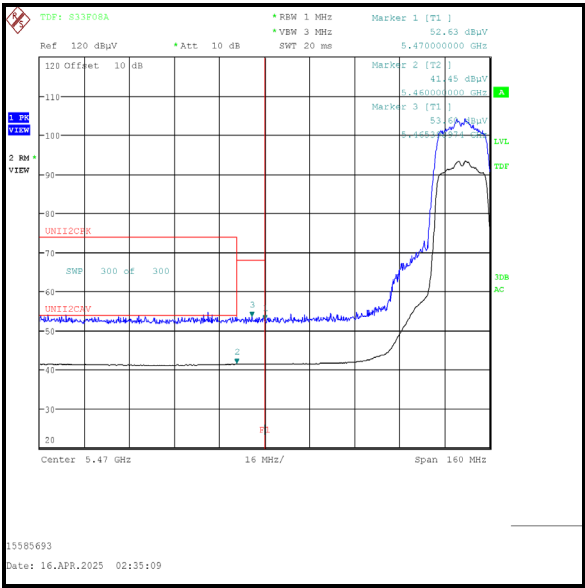
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5465.399	53.6	68.2	14.6	Complied
5470	52.6	68.2	15.6	Complied

Results: Average

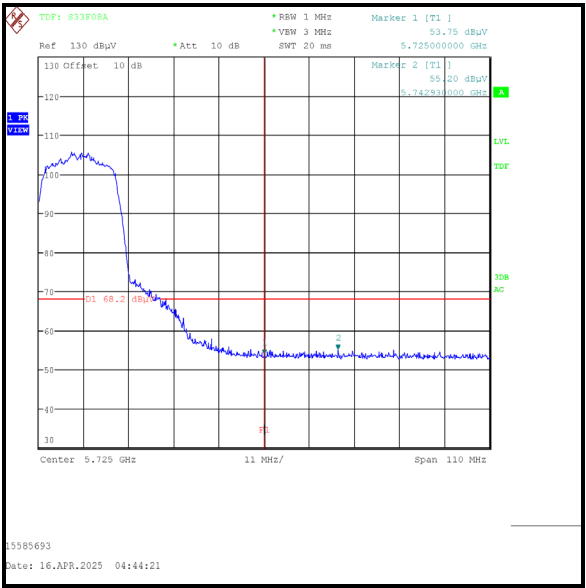
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	41.5	0.6	42.1	54.0	11.9	Complied

Upper Band Edge / Channel 136

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	53.8	68.2	14.4	Complied
5742.930	55.2	68.2	13.0	Complied



Lower Band Edge / Channel 108



Upper Band Edge / Channel 136

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Results: 802.11n / 40 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1

Lower Band Edge / Channel 102

Results: Peak

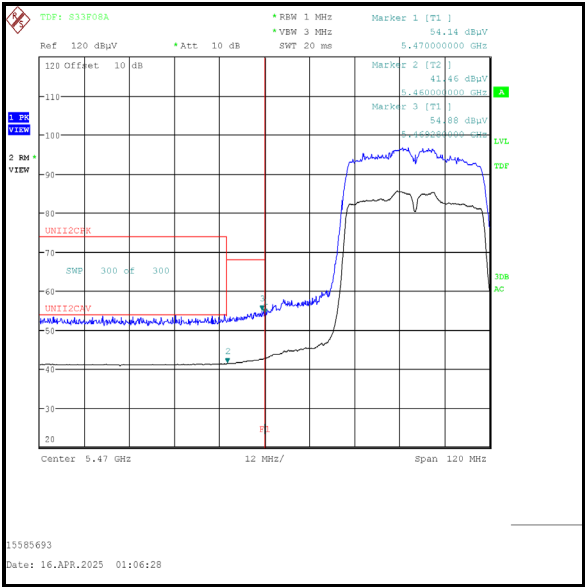
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5469.280	54.9	68.2	13.3	Complied
5470	54.1	68.2	14.1	Complied

Results: Average

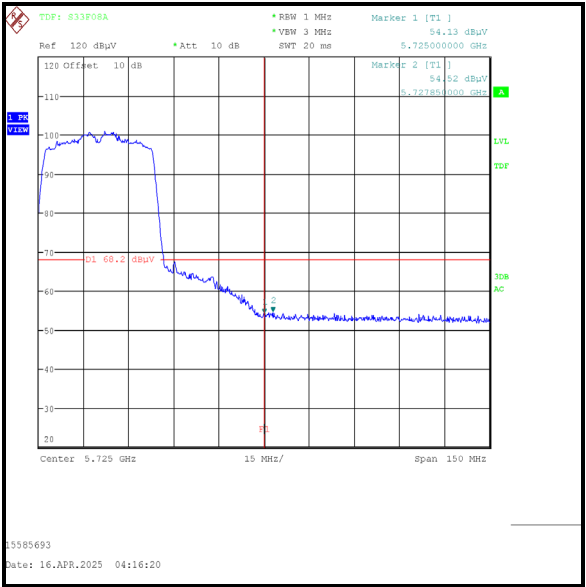
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	41.5	1.2	42.7	54.0	11.3	Complied

Upper Band Edge / Channel 134

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	54.1	68.2	14.1	Complied
5727.850	54.5	68.2	13.7	Complied



Lower Band Edge / Channel 102



Upper Band Edge / Channel 134

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Lower Band Edge / Channel 110

Results: Peak

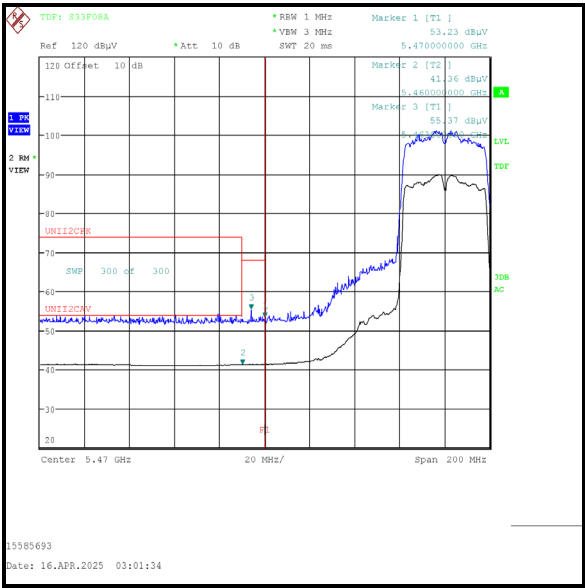
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5463.800	55.4	68.2	12.8	Complied
5470	53.2	68.2	15.0	Complied

Results: Average

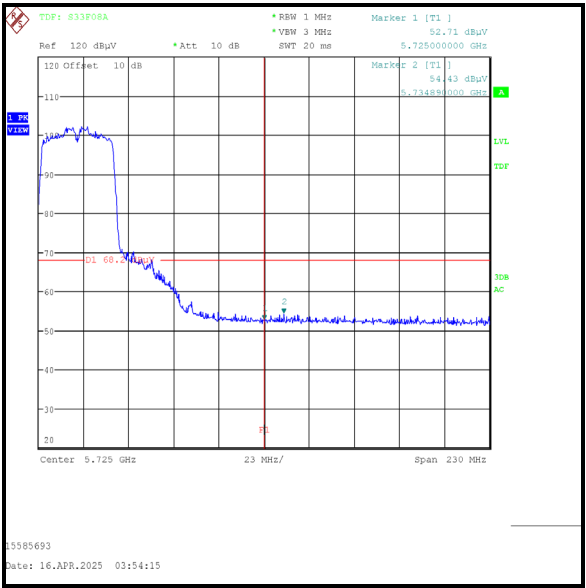
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	41.4	1.2	42.6	54.0	11.4	Complied

Upper Band Edge / Channel 126

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	52.7	68.2	15.5	Complied
5734.890	54.4	68.2	13.8	Complied



Lower Band Edge / Channel 110



Upper Band Edge / Channel 126

Transmitter Band Edge Radiated Emissions (U-NII-2C) (continued)

Results: 802.11ac / 80 MHz / MIMO / 2Tx / MCS0x1 / Ant 0 + Ant 1

Lower Band Edge / Channel 106

Results: Peak

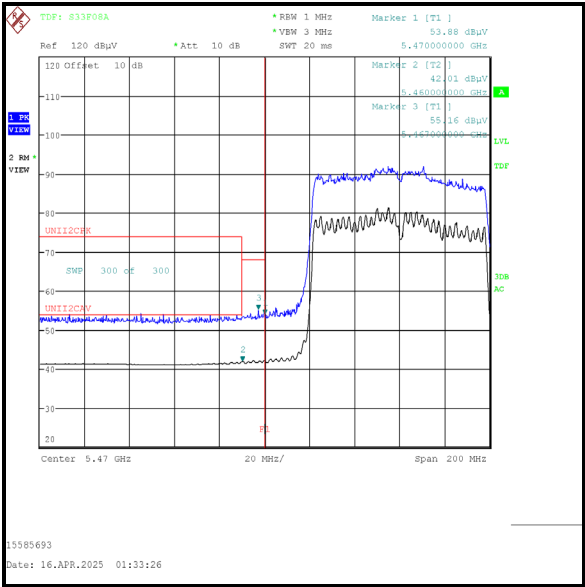
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5467.000	55.2	68.2	13.0	Complied
5470	53.9	68.2	14.3	Complied

Results: Average

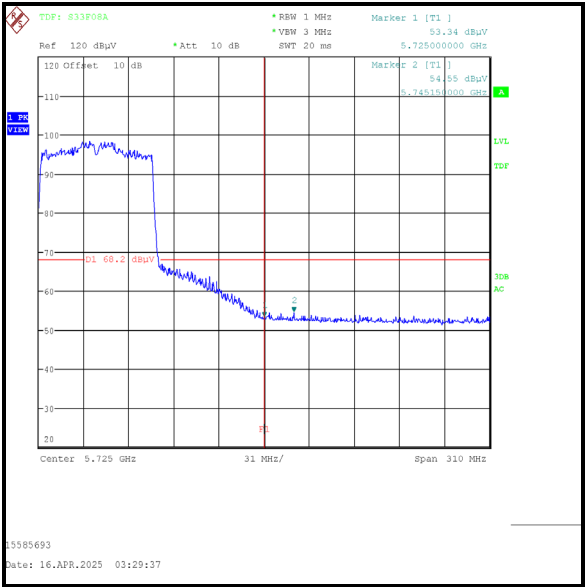
Frequency (MHz)	Level (dBμV/m)	Duty Cycle correction (dB)	Corrected Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5460	42.0	1.2	43.2	54.0	10.8	Complied

Upper Band Edge / Channel 122

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5725	53.3	68.2	14.9	Complied
5745.150	54.6	68.2	13.6	Complied



Lower Band Edge / Channel 106



Upper Band Edge / Channel 122

4.4.4 5.725-5.850 GHz band (U-NII-3)**Test Summary:**

Test Engineers:	John Ferdinand & Nick Steele	Test Date:	16 April 2025
Test Sample Serial Number:	FOC2845HUBH		

FCC Reference:	Part 15.407(b)(4)(i),(10), 15.205 & 15.209(a)
ISED Canada Reference:	RSS-247 6.2.4.3 / RSS-Gen 6.13, 8.9 & 8.10
Test Method Used:	ANSI C63.10 Section 6.10 & KDB 789033 II.G.

Environmental Conditions:

Temperature (°C):	20
Relative Humidity (%):	39

Note(s):

1. Results are shown as field strength in dBµV/m. The EIRP limit was converted to field strength, using a conversion factor of 95.2.
2. Filters and/or attenuators were used as appropriate. The insertion loss was added to the test receiver as a reference level offset.

Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)**Results: 802.11a / 20 MHz / SISO / 6 Mbps / Ant 1****Lower Band Edge / Channel 149**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5640.200	54.3	68.2	13.9	Complied
5725	75.6	122.2	46.6	Complied

Upper Band Edge / Channel 157

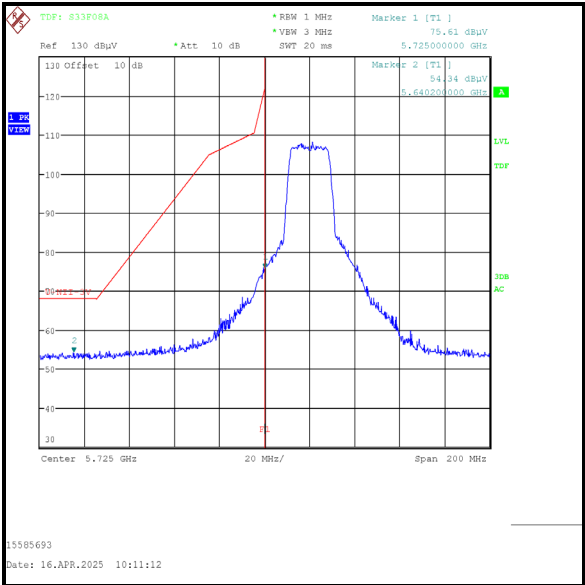
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5850	52.1	122.2	70.1	Complied
5963.850	54.7	68.2	13.5	Complied

Upper Band Edge / Channel 165

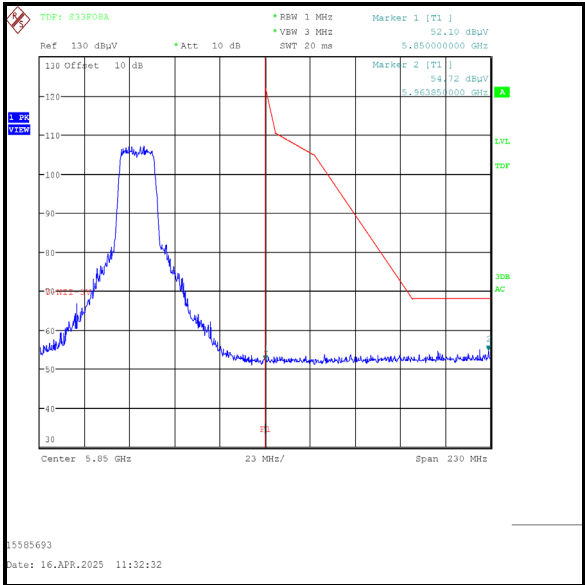
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5850	66.1	122.2	56.1	Complied
5942.800	54.3	68.2	13.9	Complied

Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)

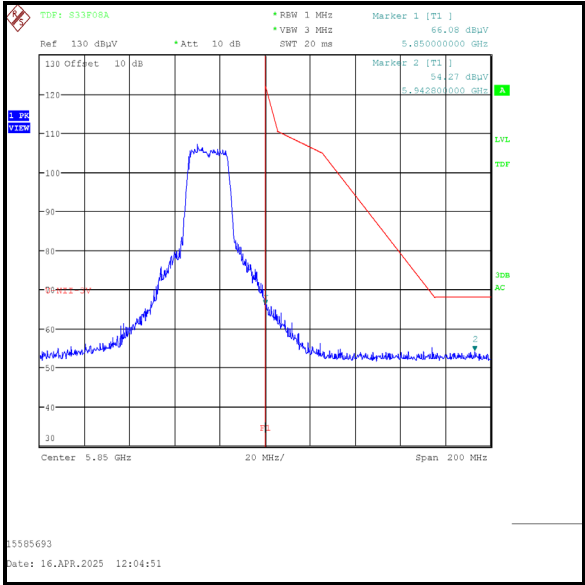
Results: 802.11a / 20 MHz / SISO / 6 Mbps / Ant 1



Lower Band Edge / Channel 149



Upper Band Edge / Channel 157



Upper Band Edge / Channel 165

Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)

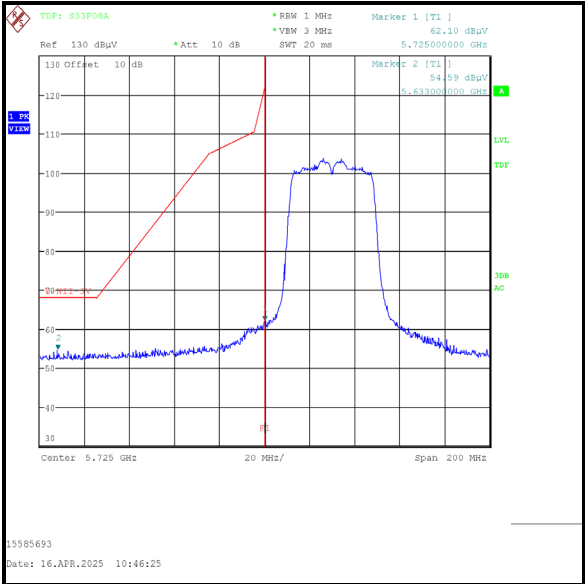
Results: 802.11n / 40 MHz / SISO / MCS0 / Ant 1

Lower Band Edge / Channel 151

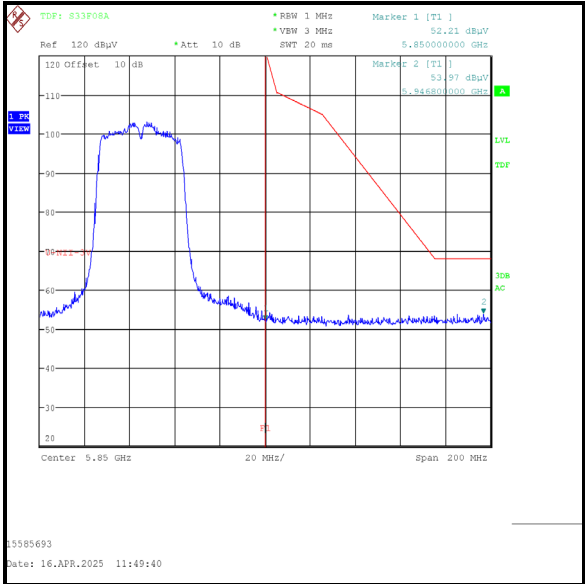
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5633.000	54.6	68.2	13.6	Complied
5725	62.1	122.2	60.1	Complied

Upper Band Edge / Channel 159

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5850	52.2	122.2	70.0	Complied
5946.800	54.0	68.2	14.2	Complied



Lower Band Edge / Channel 151

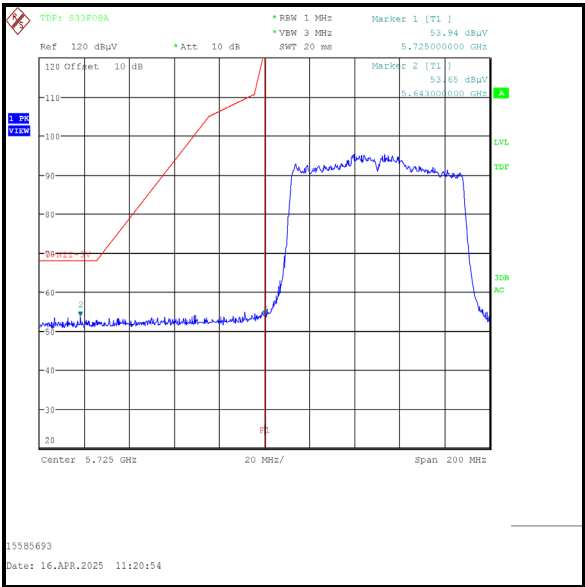


Upper Band Edge / Channel 159

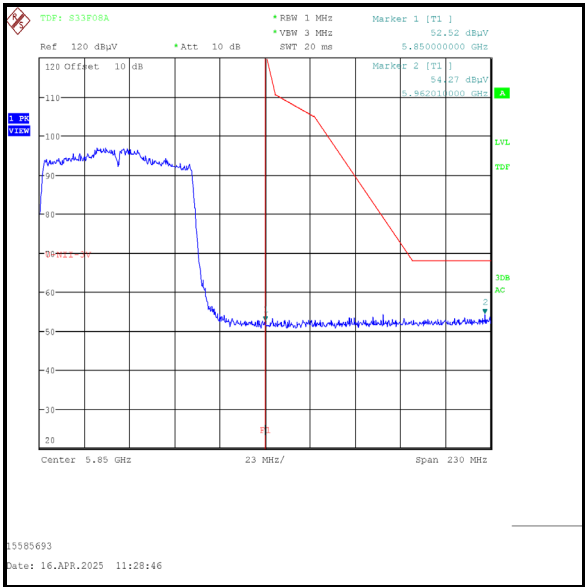
Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)

Results: 802.11ac / 80 MHz / SISO / MCS0x1 / Ant 1 / Channel 155

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5646.600	53.0	68.2	15.2	Complied
5725	54.8	122.2	67.4	Complied
5850	52.5	122.2	69.7	Complied
5962.010	54.3	68.2	13.9	Complied



Lower Band Edge



Upper Band Edge

Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)**Results: 802.11n / 20 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1****Lower Band Edge / Channel 149**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5635.200	53.9	68.2	14.3	Complied
5725	59.7	122.2	62.5	Complied

Upper Band Edge / Channel 157

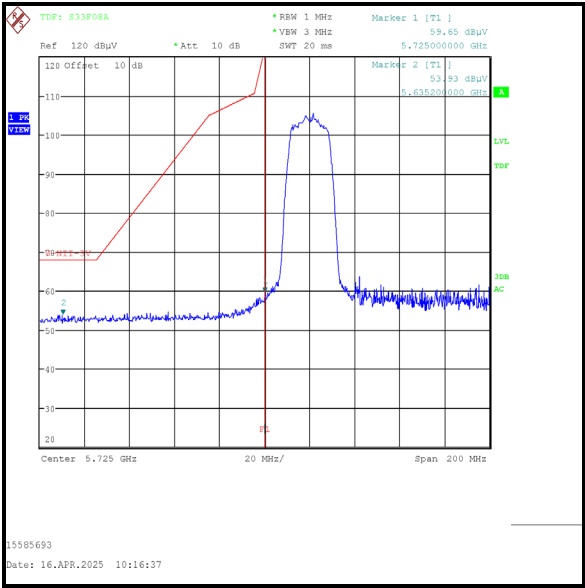
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5850	52.0	122.2	70.2	Complied
5962.010	54.0	68.2	14.2	Complied

Upper Band Edge / Channel 165

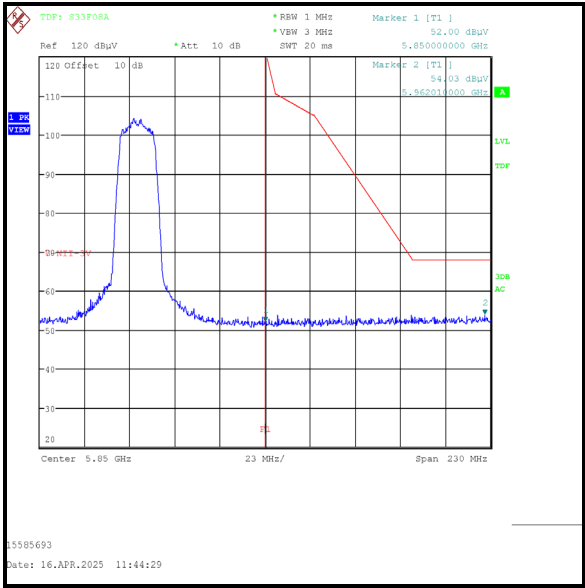
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Result
5850	52.9	122.2	69.3	Complied
5930.800	53.8	68.2	14.4	Complied

Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)

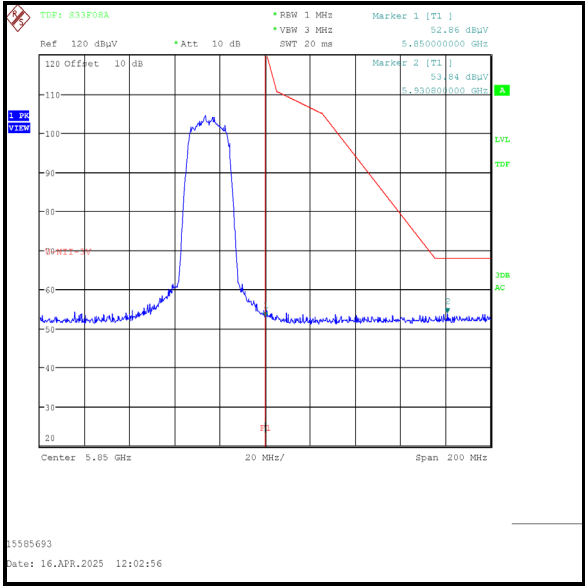
Results: 802.11n / 20 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1



Lower Band Edge / Channel 149



Upper Band Edge / Channel 157



Upper Band Edge / Channel 165

Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)

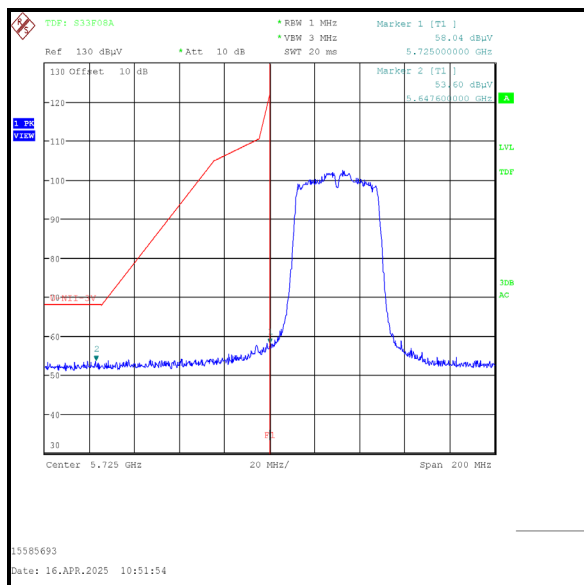
Results: 802.11n / 40 MHz / MIMO / 2Tx / MCS8 / Ant 0 + Ant 1

Lower Band Edge / Channel 151

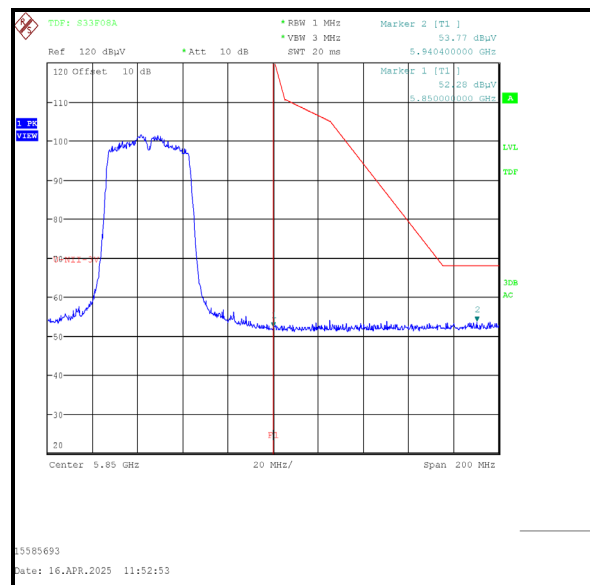
Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5647.600	53.6	68.2	14.6	Complied
5725	58.0	122.2	64.2	Complied

Upper Band Edge / Channel 159

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5850	52.3	122.2	69.9	Complied
5940.400	53.8	68.2	14.4	Complied



Lower Band Edge / Channel 151

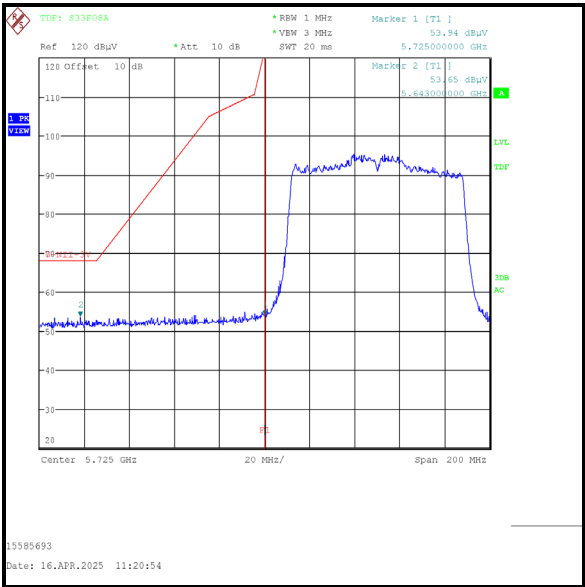


Upper Band Edge / Channel 159

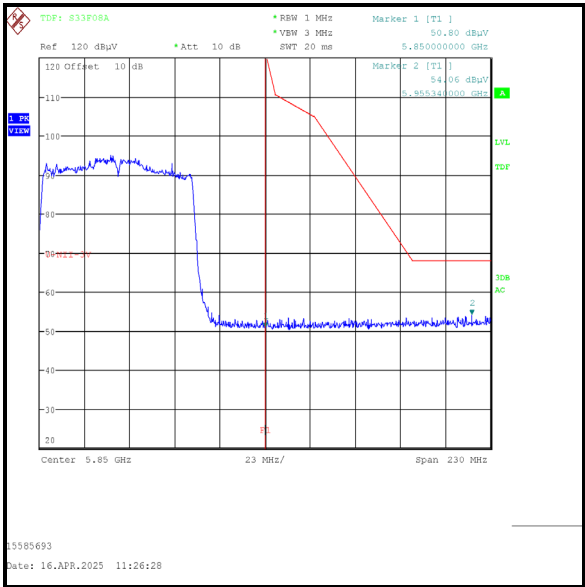
Transmitter Band Edge Radiated Emissions (U-NII-3) (continued)

Results: 802.11ac / 80 MHz / MIMO / 2Tx / MCS0x1 / Ant 0 + Ant 1 / Channel 155

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Result
5643.000	53.7	68.2	14.5	Complied
5725	53.9	122.2	68.3	Complied
5850	50.8	122.2	71.4	Complied
5955.340	54.1	68.2	14.1	Complied



Lower Band Edge



Upper Band Edge

--- END OF REPORT ---