26 dB Bandwidth (MHz)	
5270 MHz	5310 MHz
48.54	44.10

Table 88 - U-NII 2a - 26 dB Bandwidth

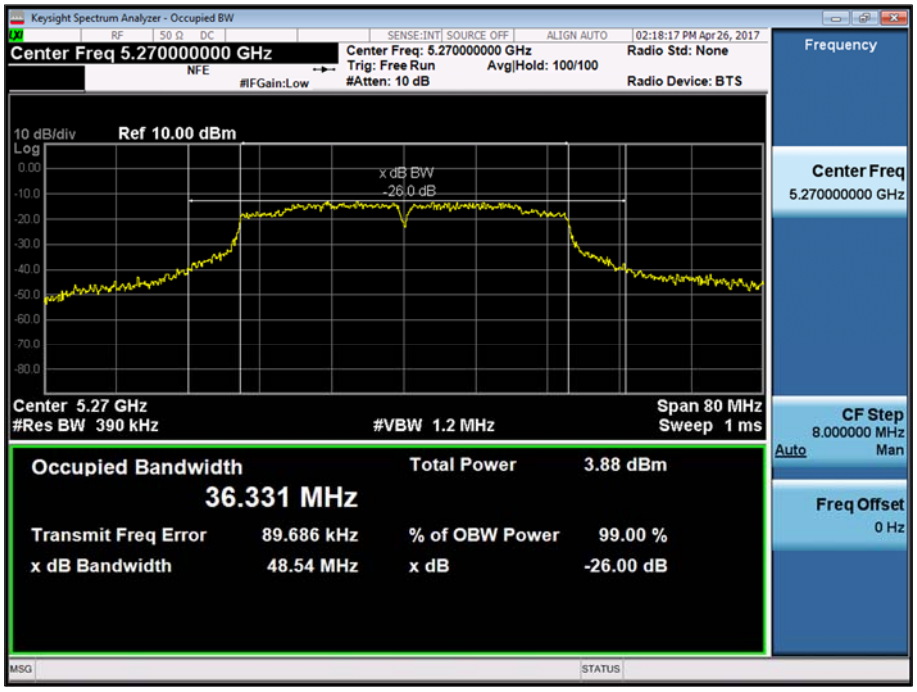

Figure 50 - U-NII 2a - 5270 MHz - 26 dB Bandwidth

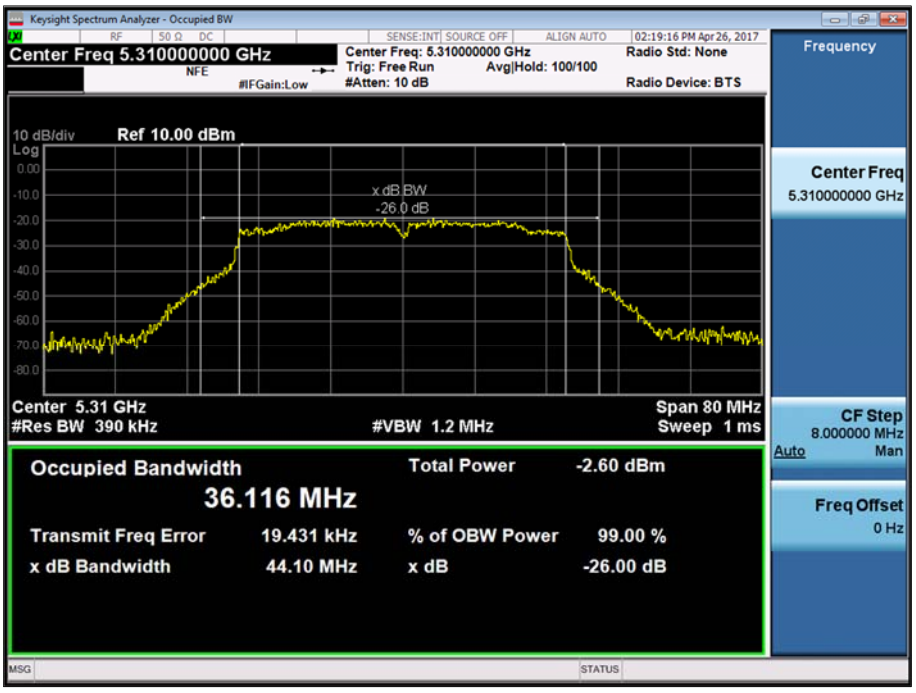

Figure 51 - U-NII 2a - 5310 MHz - 26 dB Bandwidth

26 dB Bandwidth (MHz)		
5510 MHz	5590 MHz	5670 MHz
44.62	46.60	44.43

Table 89 - U-NII 2c - 26 dB Bandwidth

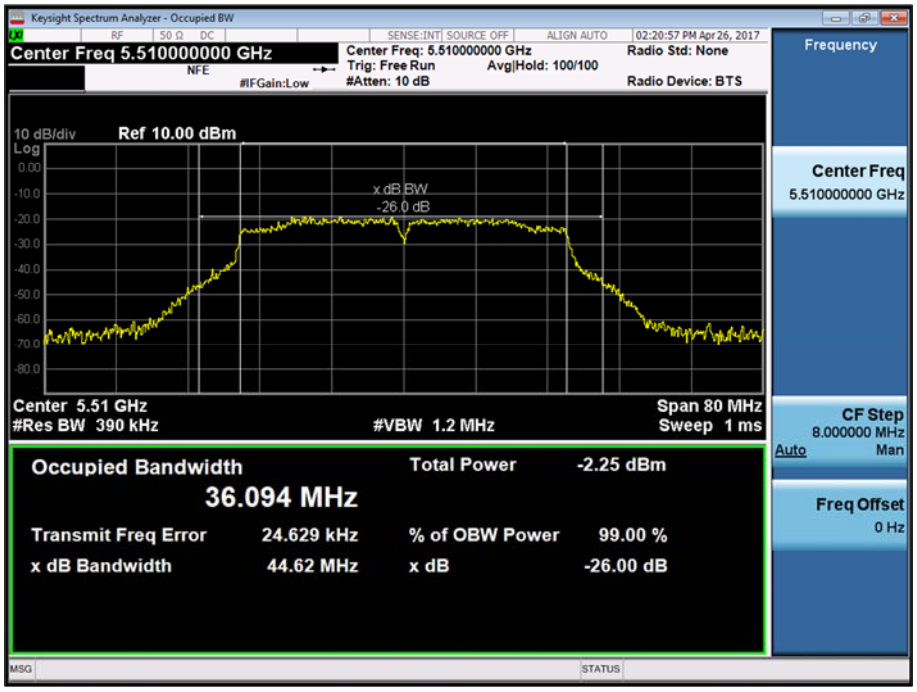

Figure 52 - U-NII 2c - 5510 MHz - 26 dB Bandwidth

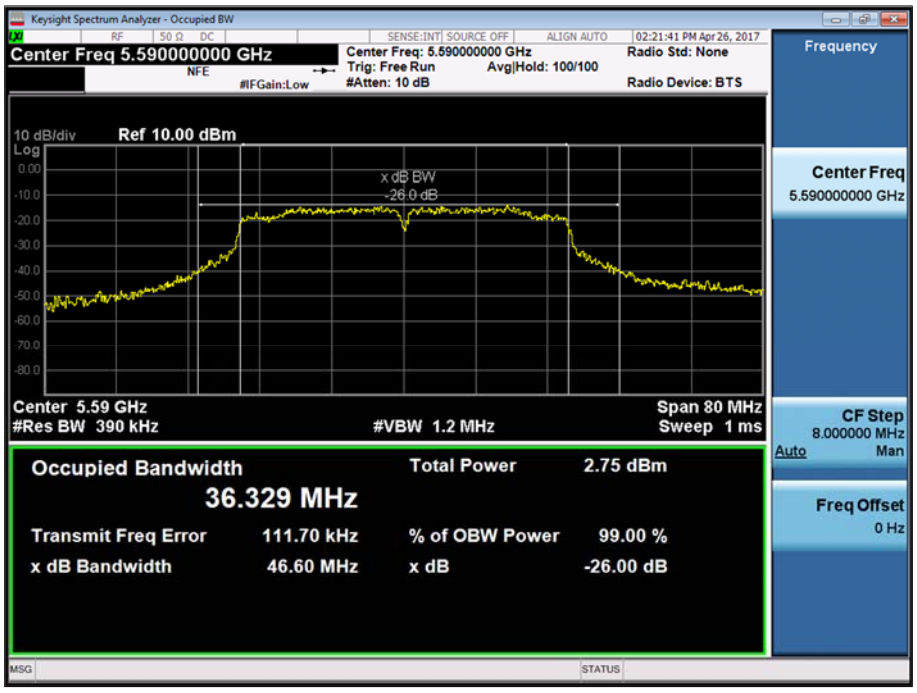

Figure 53 - U-NII 2c - 5590 MHz - 26 dB Bandwidth

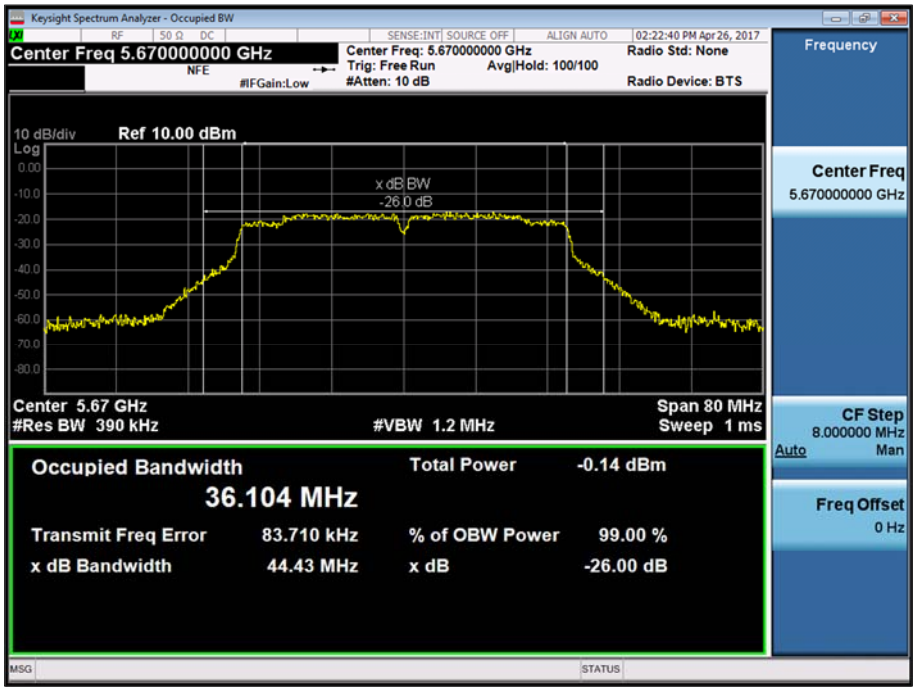

Figure 54 - U-NII 2c - 5670 MHz - 26 dB Bandwidth

6 dB Bandwidth (MHz)	
5755 MHz	5795 MHz
47.43	50.67

Table 90 - U-NII 3 - 6 dB Bandwidth

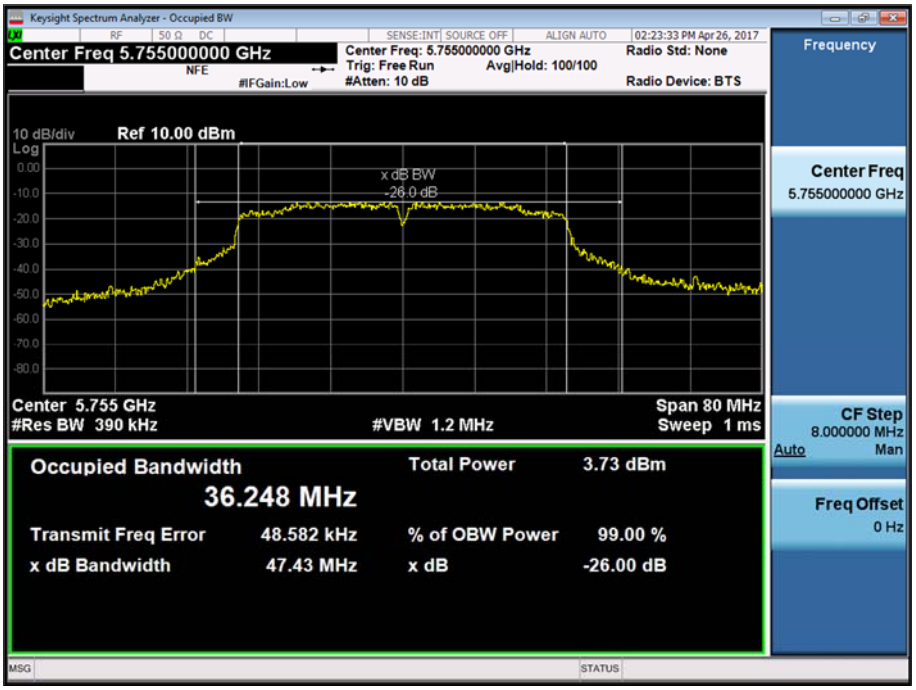

Figure 55 - U-NII 3 - 5755 MHz - 6 dB Bandwidth

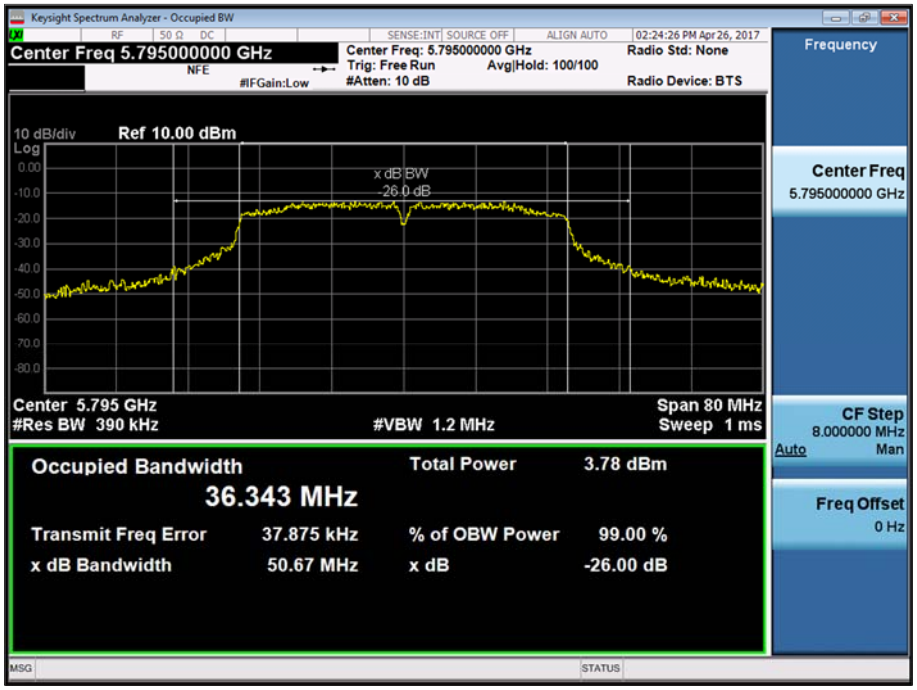

Figure 56 - U-NII 3 - 5795 MHz - 6 dB Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407

5150 MHz to 5250 MHz: None specified.
5250 MHz to 5350 MHz: None specified.
5470 MHz to 5725 MHz: None specified.
5725 MHz to 5850 MHz: > 500 kHz.

Industry Canada RSS-247, Limit Clause 6.2.1.1, 6.2.2.1, 6.2.3.1 and 6.2.4.1

5150 MHz to 5250 MHz: None specified.
5250 MHz to 5350 MHz: None specified.
5470 MHz to 5725 MHz: None specified.
5725 MHz to 5850 MHz: > 500 kHz.

IS THERE A LIMIT FOR RSS-GEN?

802.11ac (80 MHz Bandwidth)

The Modulation Coding Scheme used during testing was MCS0.

26 dB Bandwidth (MHz)
5210 MHz
84.92

Table 91 - U-NII 1 - 26 dB Bandwidth

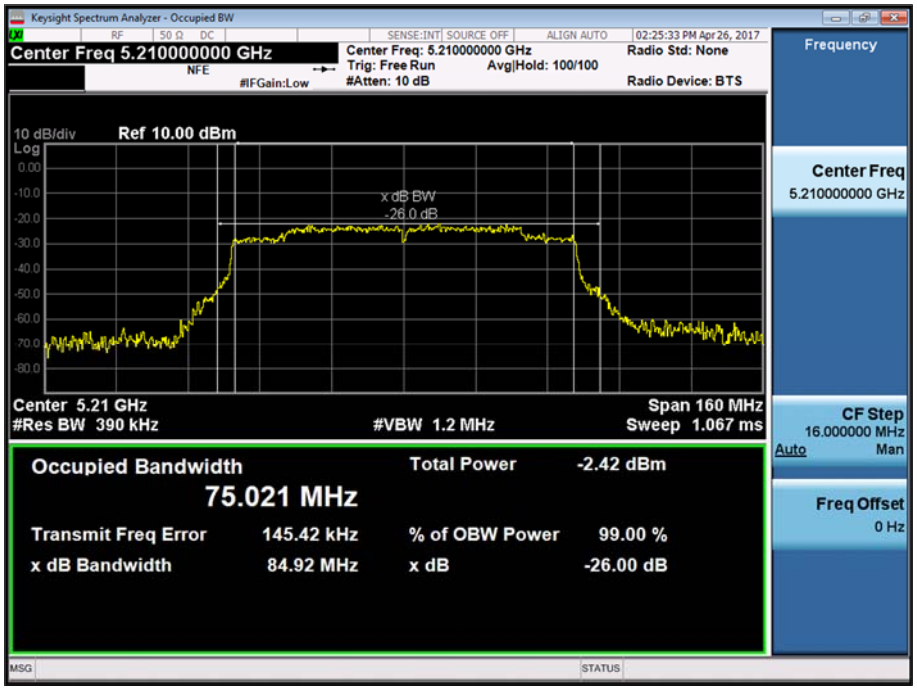

Figure 57 - U-NII 1 - 5210 MHz - 26 dB Bandwidth

26 dB Bandwidth (MHz)
5290 MHz
84.70

Table 92 - U-NII 2a - 26 dB Bandwidth

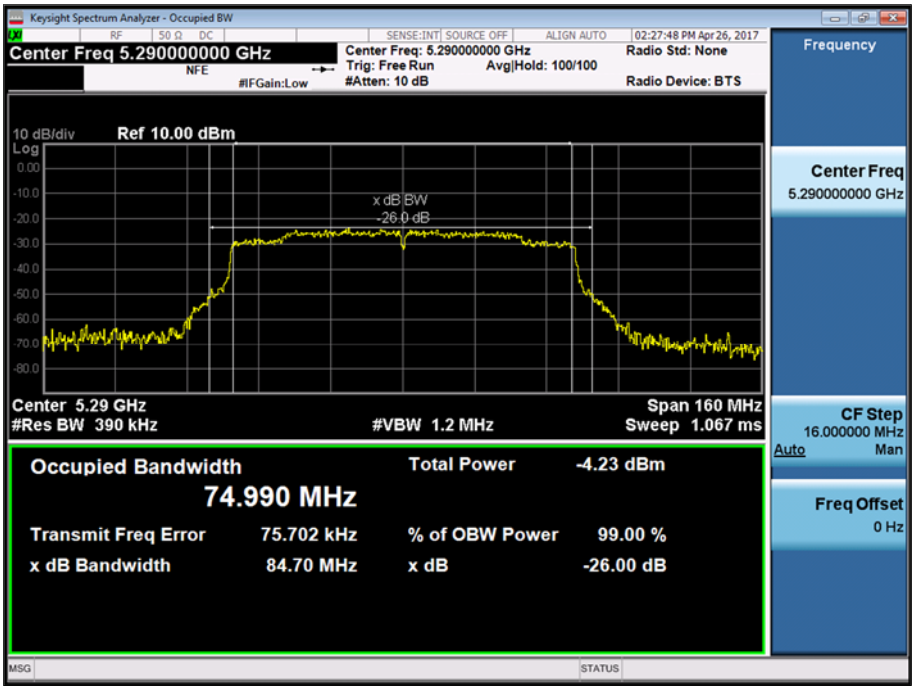

Figure 58 - U-NII 2a - 5290 MHz - 26 dB Bandwidth

26 dB Bandwidth (MHz)	
5530 MHz	5610 MHz
84.20	106.50

Table 93 - U-NII 2c - 26 dB Bandwidth

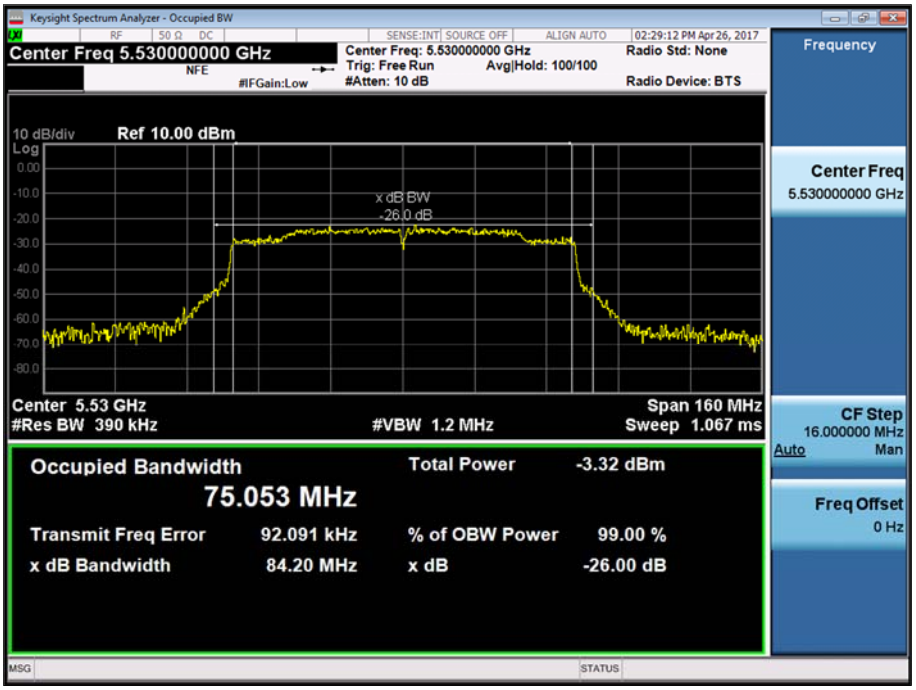

Figure 59 - U-NII 2c - 5530 MHz - 26 dB Bandwidth

Figure 60 - U-NII 2c - 5610 MHz - 26 dB Bandwidth

6 dB Bandwidth (MHz)
5775 MHz
87.97

Table 94 - U-NII 3 - 6 dB Bandwidth

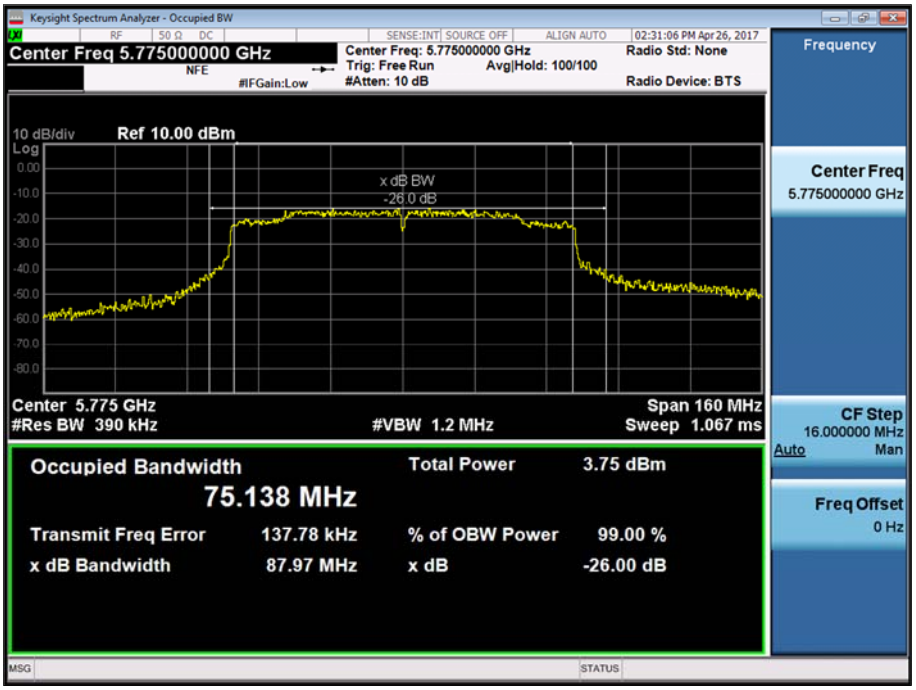

Figure 61 - U-NII 3 - 5775 MHz - 6 dB Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407

5150 MHz to 5250 MHz: None specified.
5250 MHz to 5350 MHz: None specified.
5470 MHz to 5725 MHz: None specified.
5725 MHz to 5850 MHz: > 500 kHz.

Industry Canada RSS-247, Limit Clause 6.2.1.1, 6.2.2.1, 6.2.3.1 and 6.2.4.1

5150 MHz to 5250 MHz: None specified.
5250 MHz to 5350 MHz: None specified.
5470 MHz to 5725 MHz: None specified.
5725 MHz to 5850 MHz: > 500 kHz.

IS THERE A LIMIT FOR RSS-GEN?

2.4.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 1 and Chamber 10.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
20dB/2W Attenuator	Narda	4772-20	462	-	O/P Mon
Attenuator (20dB, 1W)	Sealectro	60-674-1020-89	1520	12	30-Jun-2017
Hygrometer	Rotronic	I-1000	3220	12	23-Aug-2017
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	15-Sep-2017
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	8-Sep-2017
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	9-Sep-2017
PXA Signal Analyser	Keysight Technologies	N9030A	4654	12	6-Oct-2017
2 metre SMA Cable	IW Microwave	3PS-1806LC-788-3PS	4829	12	24-Jan-2018

Table 95

O/P Mon – Output Monitored using calibrated equipment

2.5 Authorised Band Edges

2.5.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b)
Industry Canada RSS-247, Clause 6.2

2.5.2 Equipment Under Test and Modification State

DAQRI Compute Pack, S/N: OA565-7DF-82K70497C1 - Modification State 0

2.5.3 Date of Test

18-April-2017 to 20-April-2017

2.5.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 12.7.7.3.

In the following plots the indicated limit line equated to -27dBm/MHz

2.5.5 Environmental Conditions

Ambient Temperature	19.1 - 19.2 °C
Relative Humidity	36.0 - 38.0 %

2.5.6 Test Results

802.11a

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	6 Mbps	5180	5150	50.09
Widest Emission Bandwidth	9 Mbps	5180	5150	50.09

Table 96 - UNII 1 - Authorised Band Edge Results

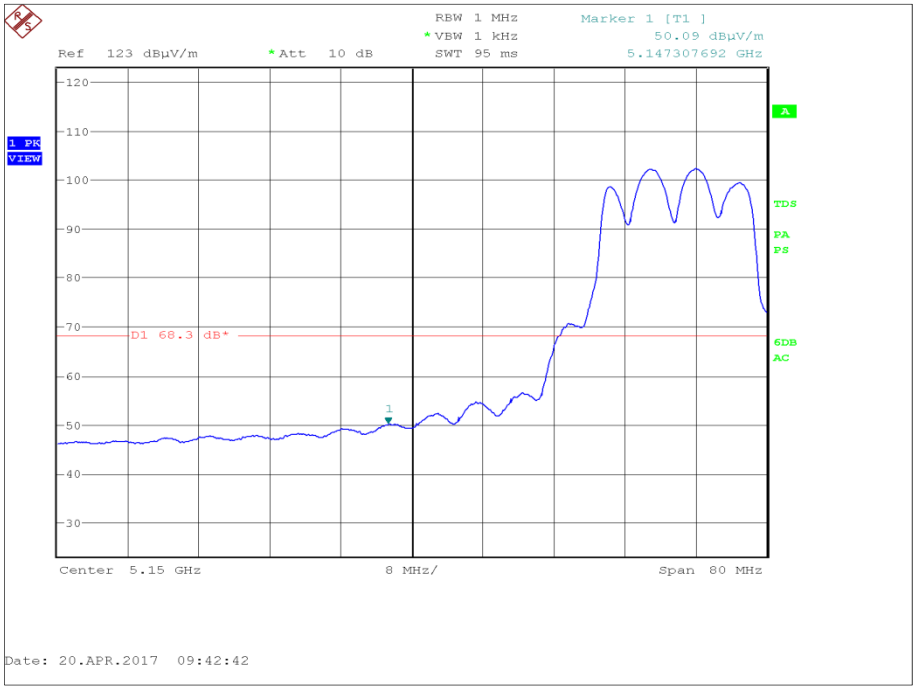

Figure 62 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

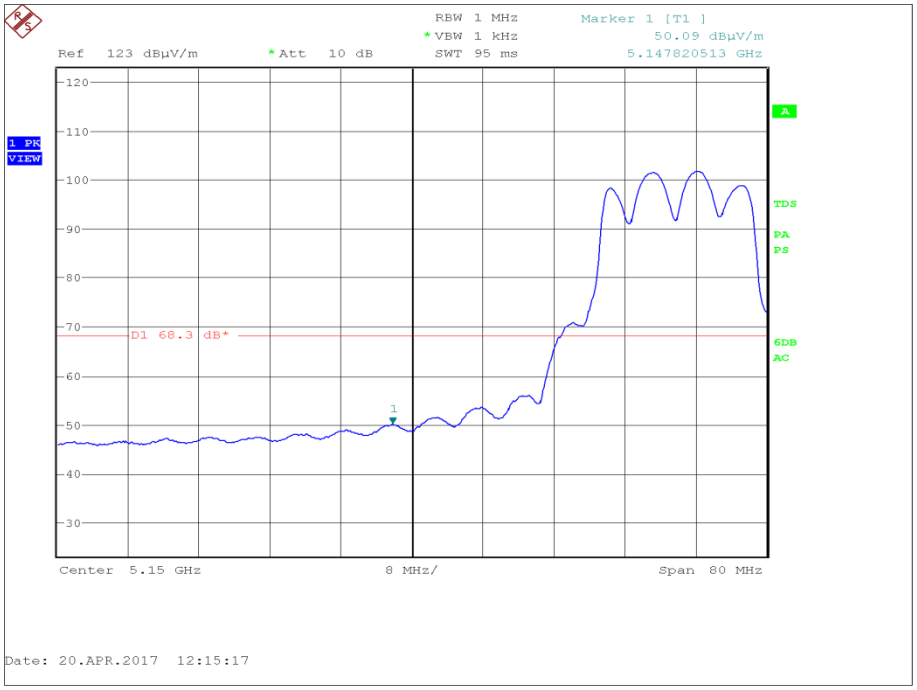

Figure 63 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	6 Mbps	5320	5350	48.03
Widest Emission Bandwidth	9 Mbps	5320	5350	50.83

Table 97 - U-NII 2a - Authorised Band Edge Results

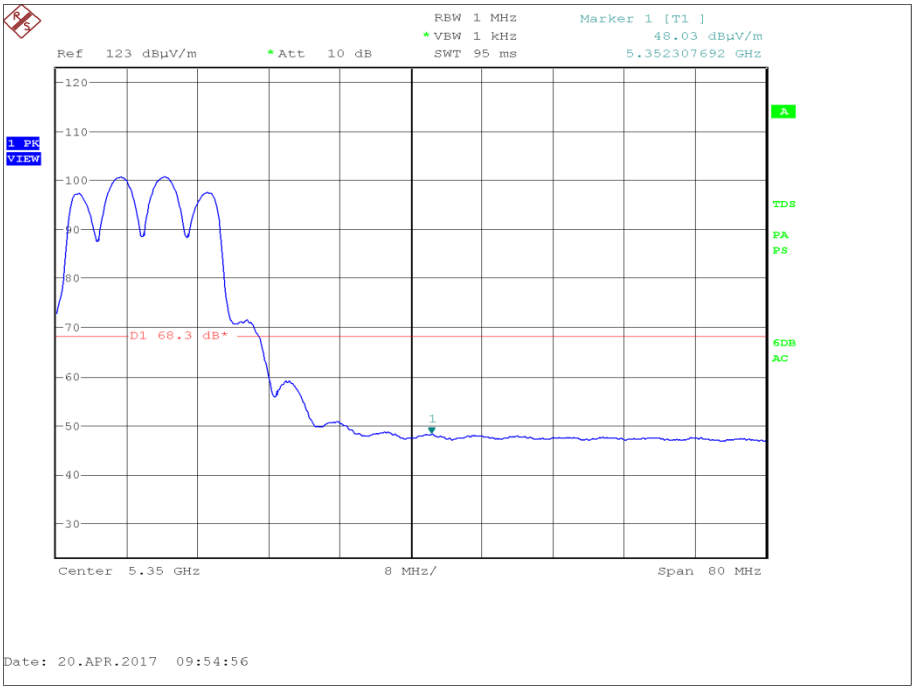

Figure 64 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

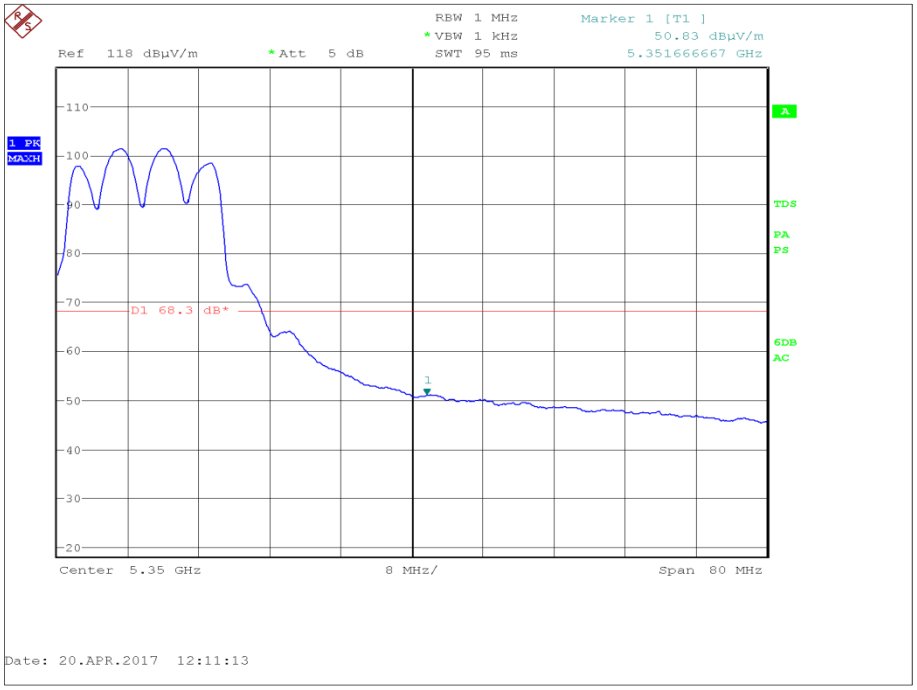

Figure 65 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	6 Mbps	5500	5470	49.14
Widest Emission Bandwidth	9 Mbps	5500	5470	48.89
Highest Conducted Power	6 Mbps	5700	5725	48.25
Widest Emission Bandwidth	9 Mbps	5700	5725	49.80

Table 98 - U-NII 2c - Authorised Band Edge Results

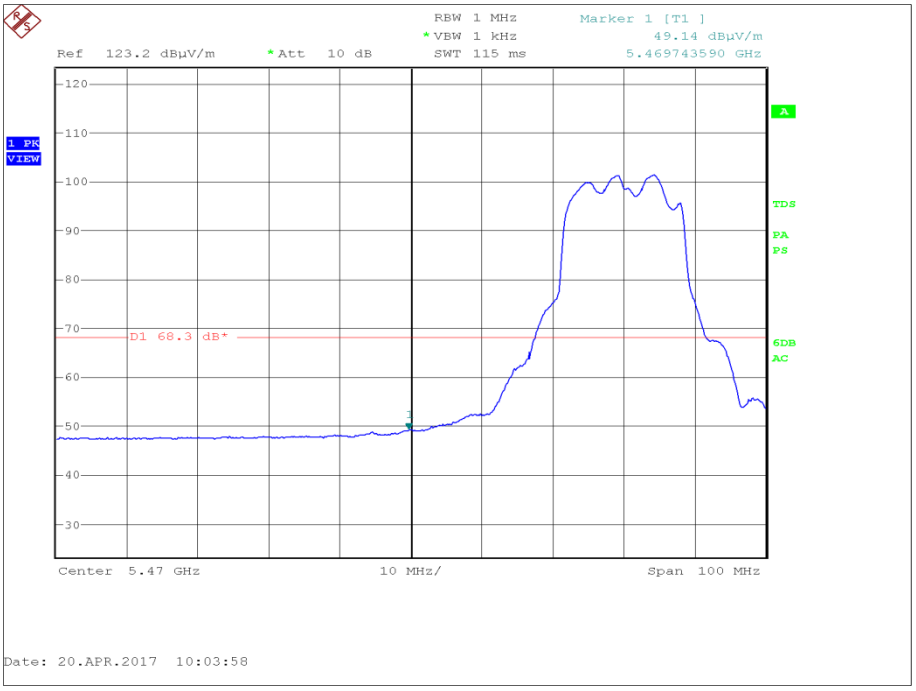

Figure 66 - U-NII 2c - Authorised Band Edge at 5470 MHz - Highest Conducted Power

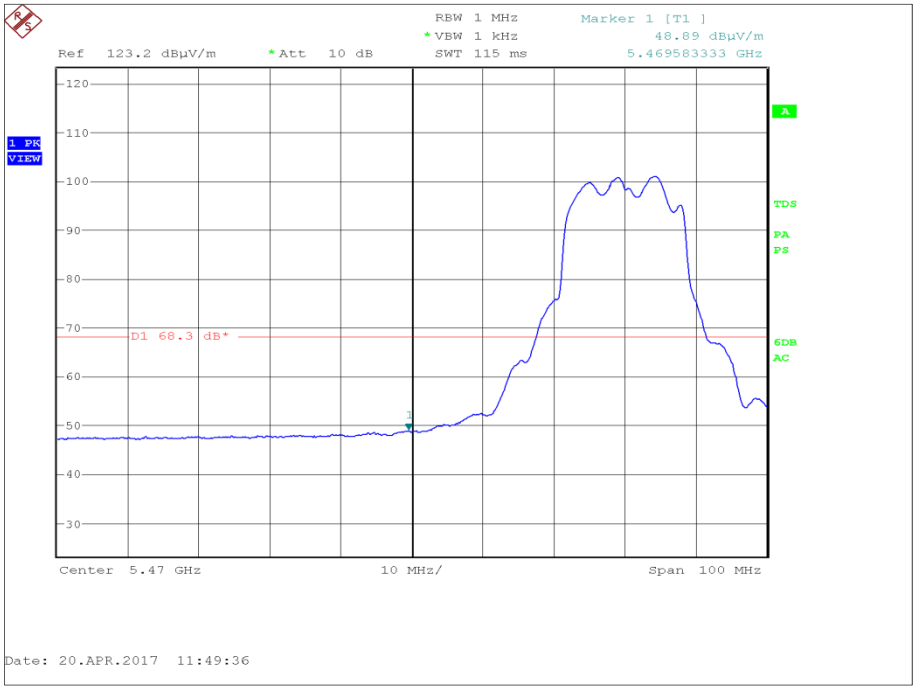

Figure 67 - U-NII 2c - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

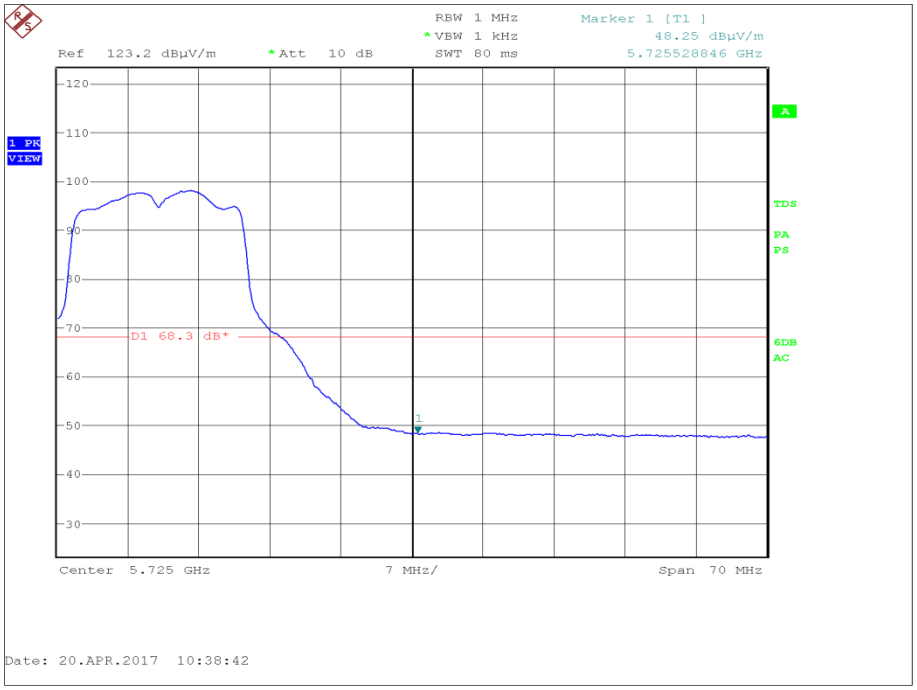

Figure 68 - U-NII 2c - Authorised Band Edge at 5725 MHz - Highest Conducted Power

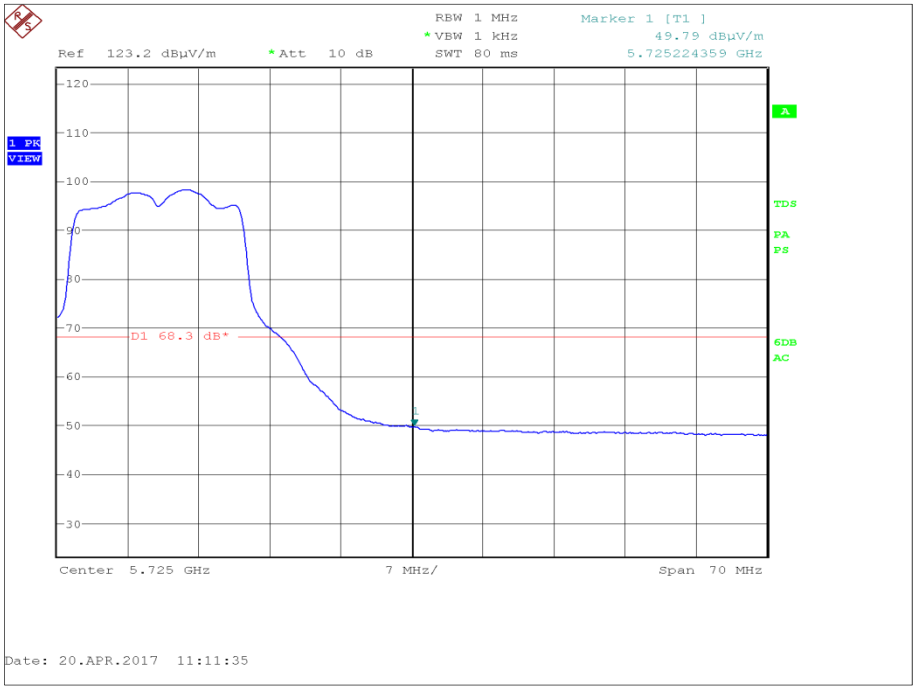

Figure 69 - U-NII 2c - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	6 Mbps	5745	5725	50.60
Widest Emission Bandwidth	9 Mbps	5745	5725	51.48
Highest Conducted Power	6 Mbps	5825	5850	49.89
Widest Emission Bandwidth	9 Mbps	5825	5850	49.75

Table 99 - U-NII 3 - Authorised Band Edge Results

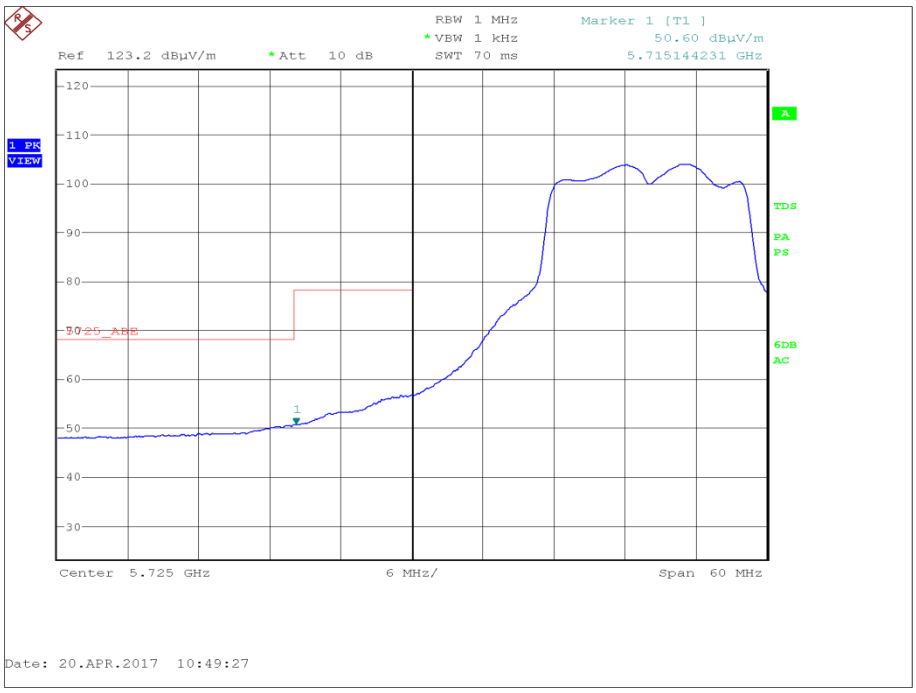

Figure 70 - U-NII 3 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

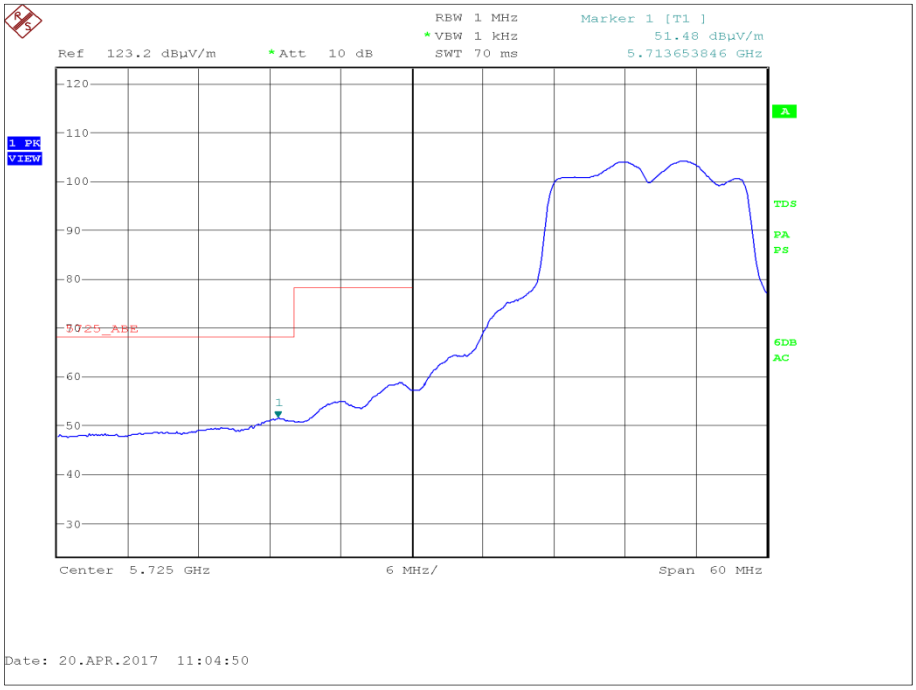

Figure 71 - U-NII 3 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

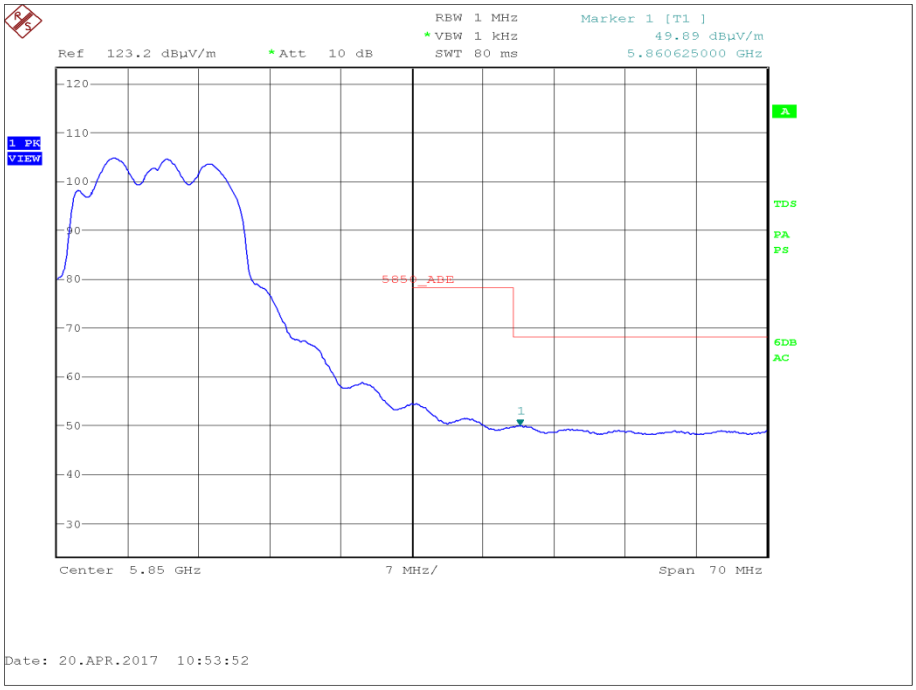

Figure 72 - U-NII 3 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

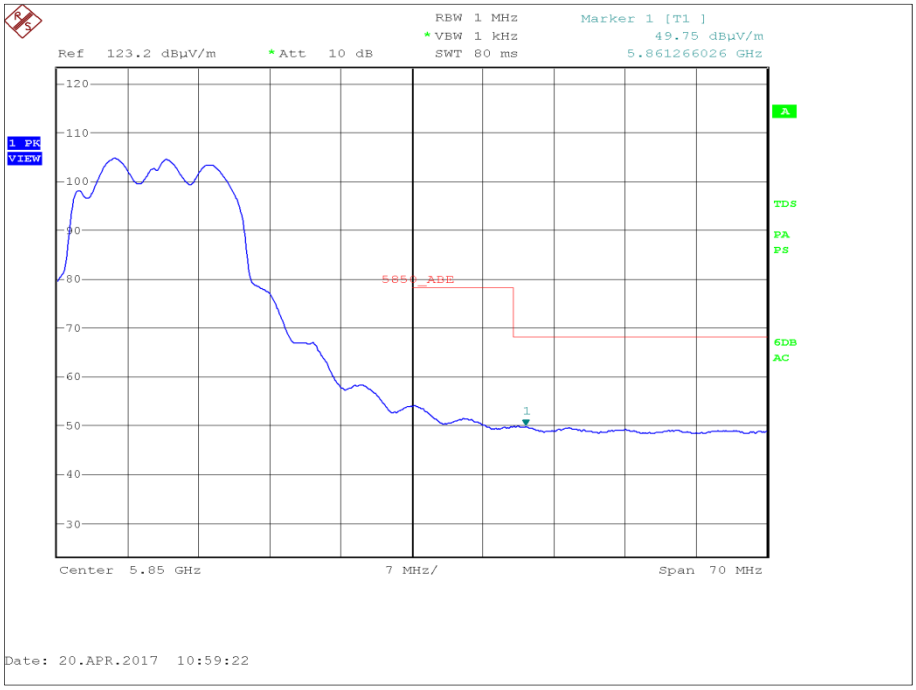

Figure 73 - U-NII 3 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤-27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Industry Canada RSS-247, Limit Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

802.11n (20 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS7	5180	5150	51.15
Widest Emission Bandwidth	MCS1	5180	5150	49.72

Table 100 - UNII 1 - Authorised Band Edge Results

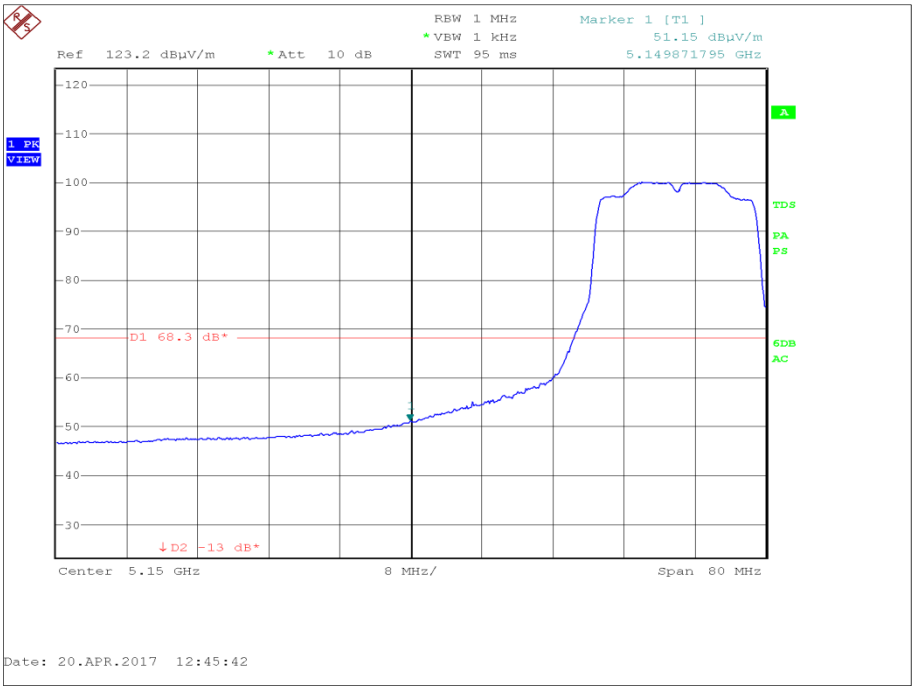

Figure 74 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

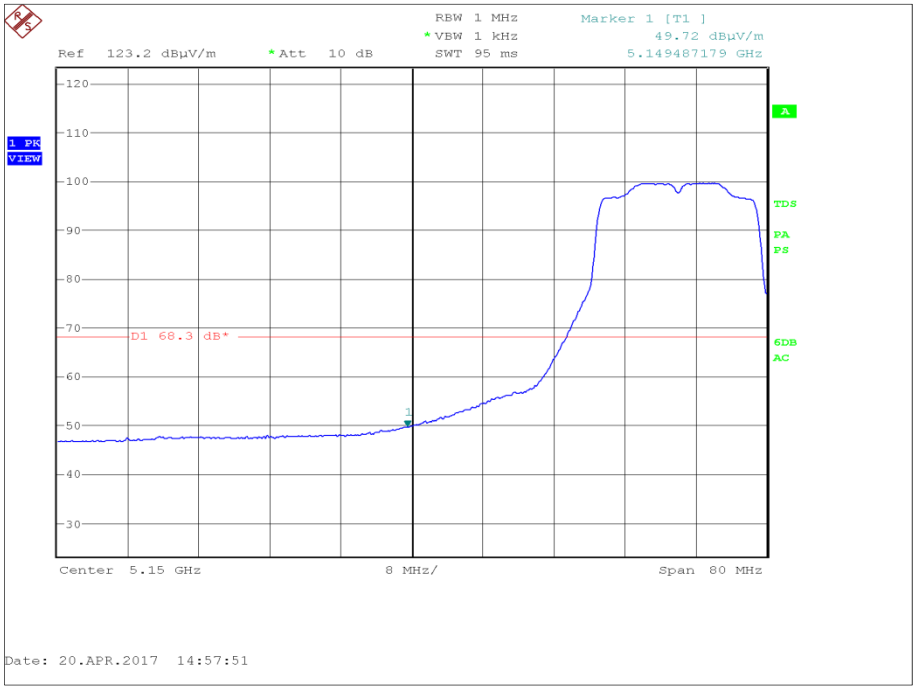

Figure 75 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS7	5320	5350	49.57
Widest Emission Bandwidth	MCS1	5320	5350	49.74

Table 101 - U-NII 2a - Authorised Band Edge Results

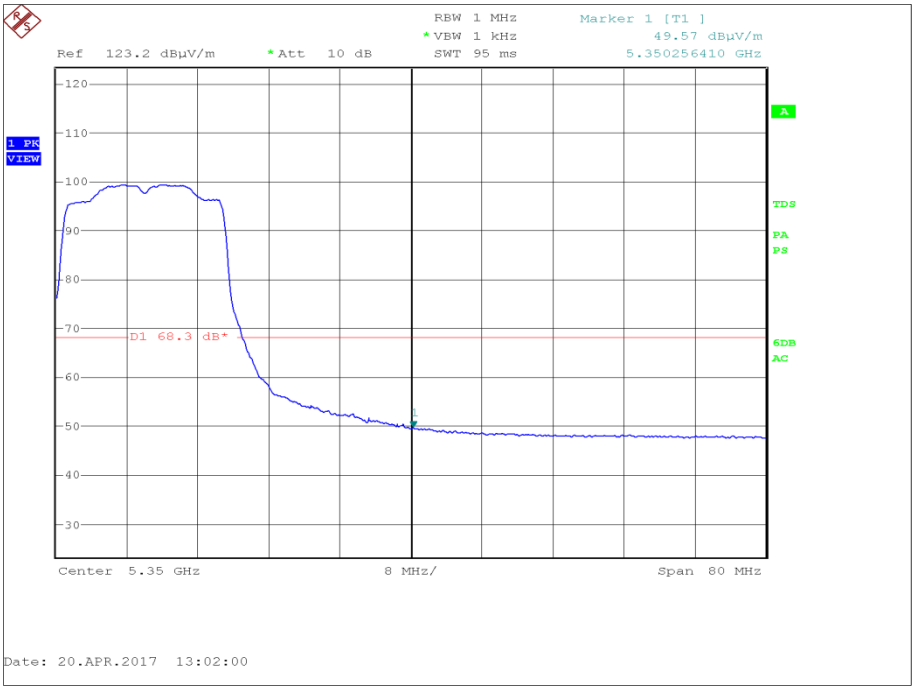

Figure 76 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

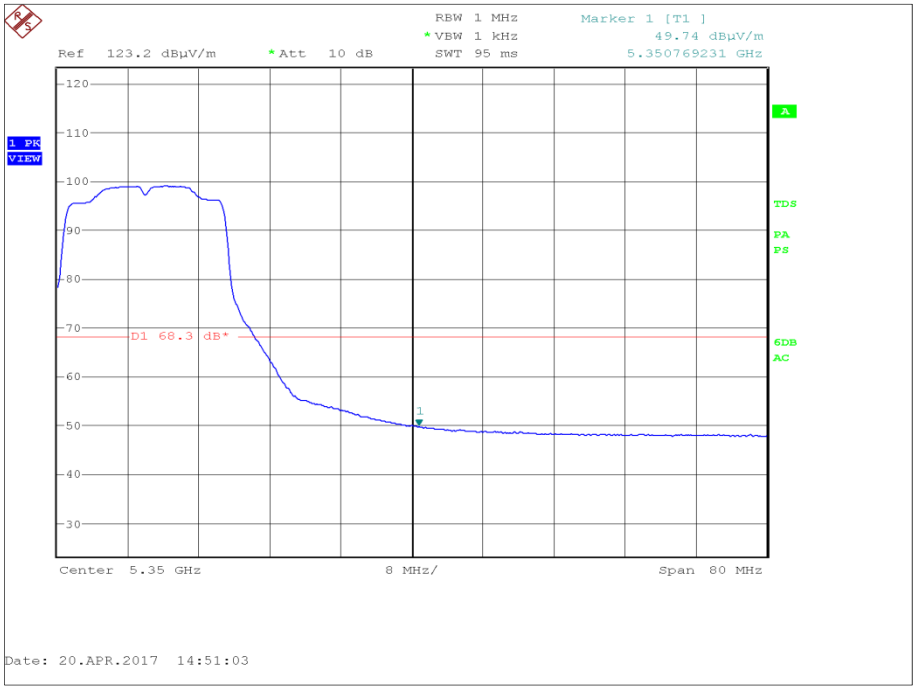

Figure 77 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS7	5500	5470	50.15
Widest Emission Bandwidth	MCS1	5500	5470	49.35
Highest Conducted Power	MCS7	5700	5725	48.47
Widest Emission Bandwidth	MCS1	5700	5725	48.51

Table 102 - U-NII 2c - Authorised Band Edge Results

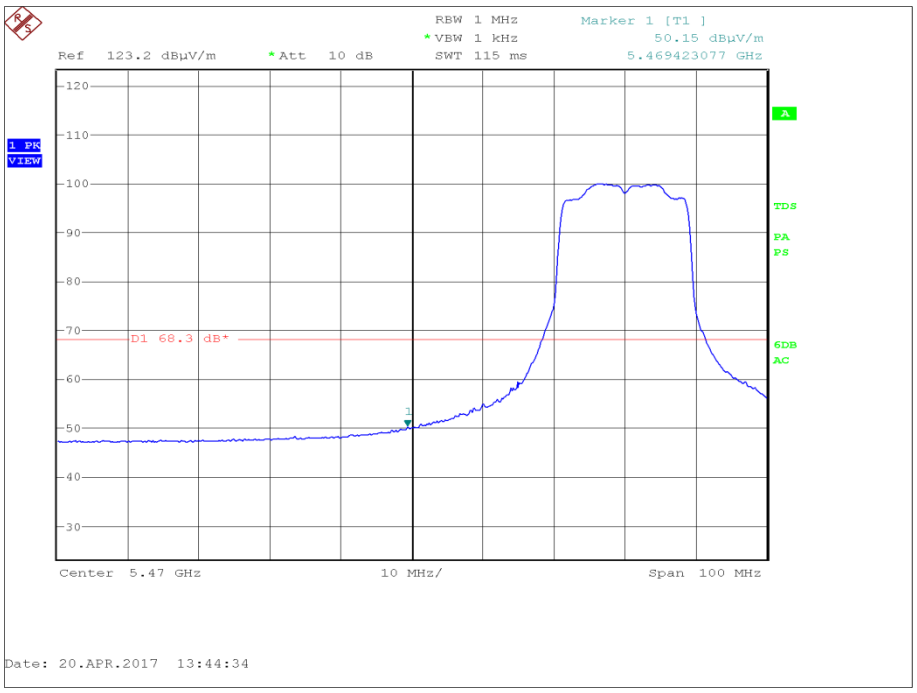

Figure 78 - U-NII 2c - Authorised Band Edge at 5470 MHz - Highest Conducted Power

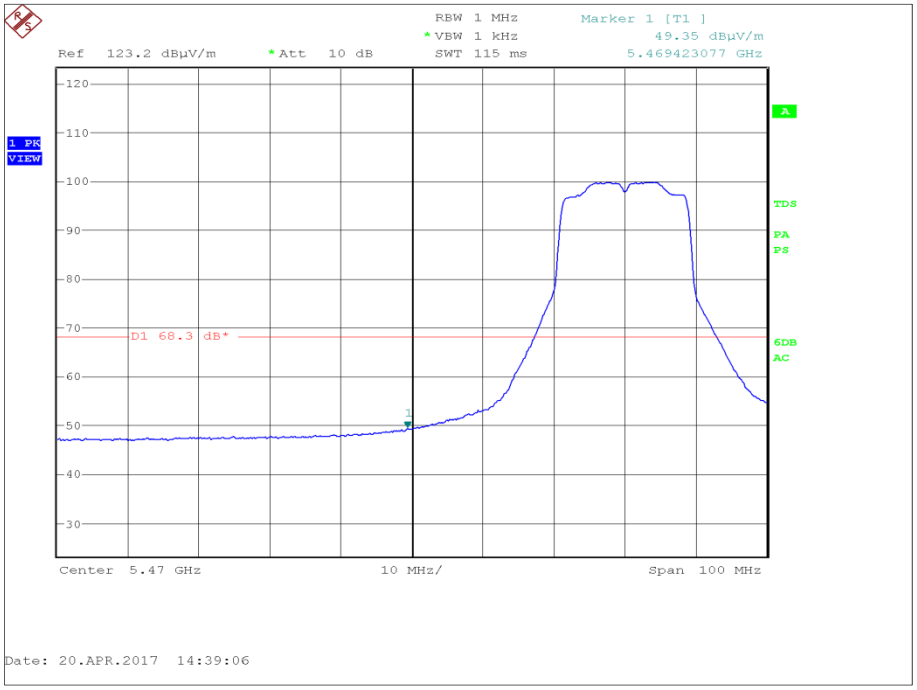

Figure 79 - U-NII 2c - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

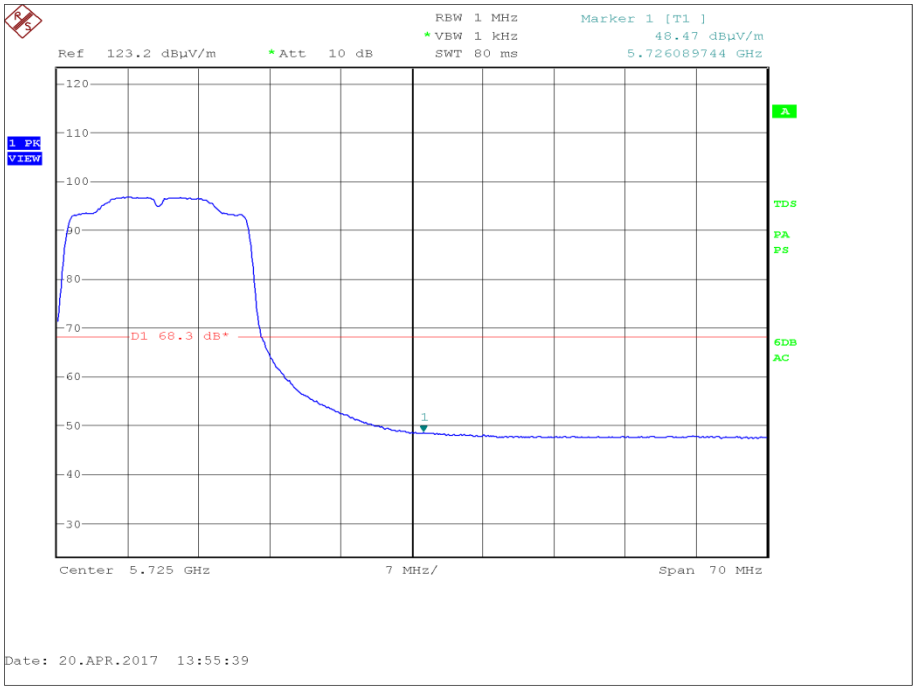

Figure 80 - U-NII 2c - Authorised Band Edge at 5725 MHz - Highest Conducted Power

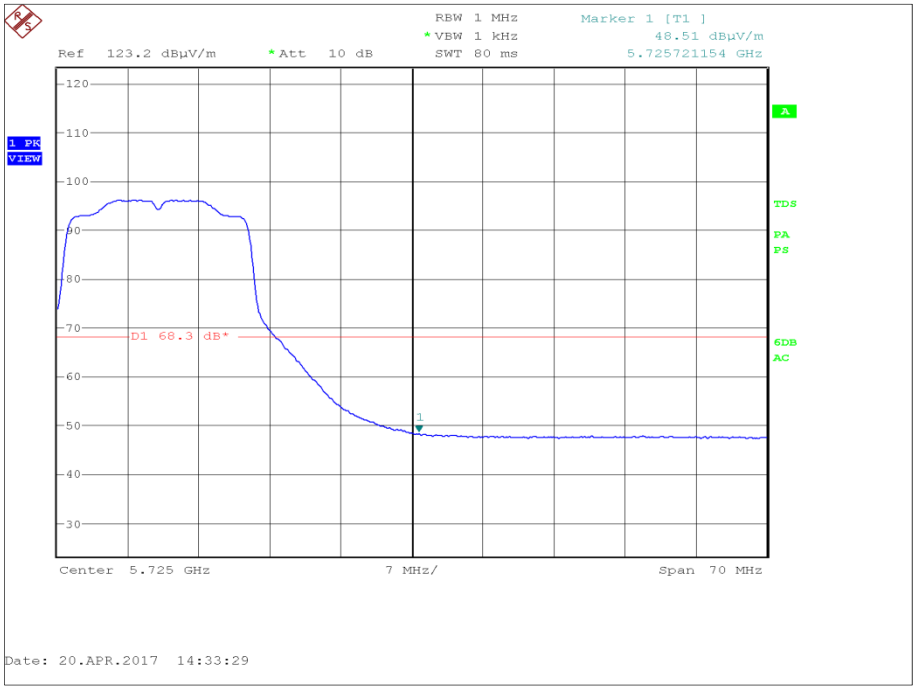

Figure 81 - U-NII 2c - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS7	5745	5725	51.14
Widest Emission Bandwidth	MCS1	5745	5725	51.89
Highest Conducted Power	MCS7	5825	5850	49.18
Widest Emission Bandwidth	MCS1	5825	5850	50.64

Table 103 - U-NII 3 - Authorised Band Edge Results

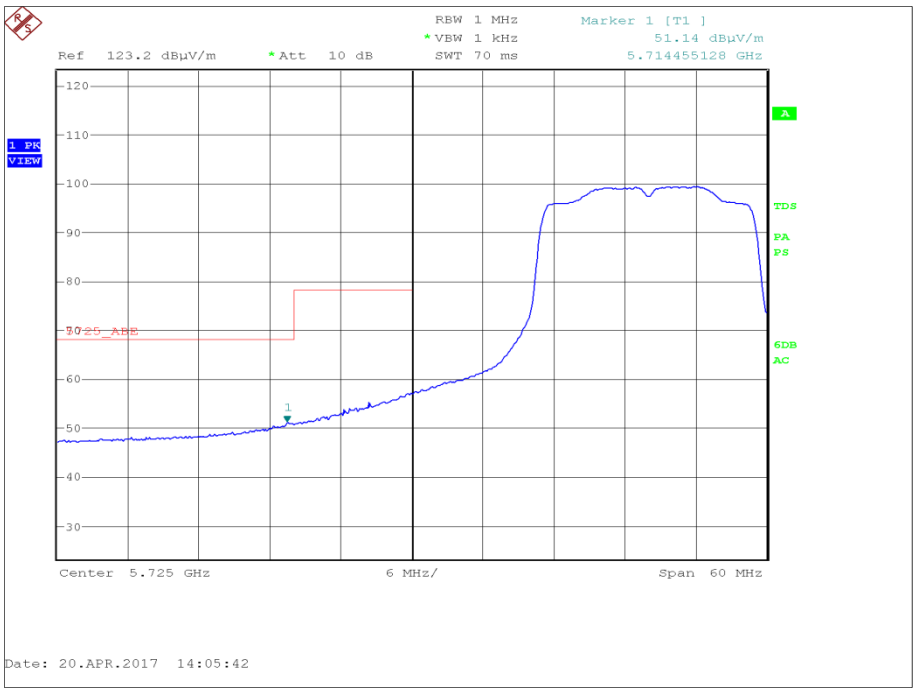

Figure 82 - U-NII 3 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

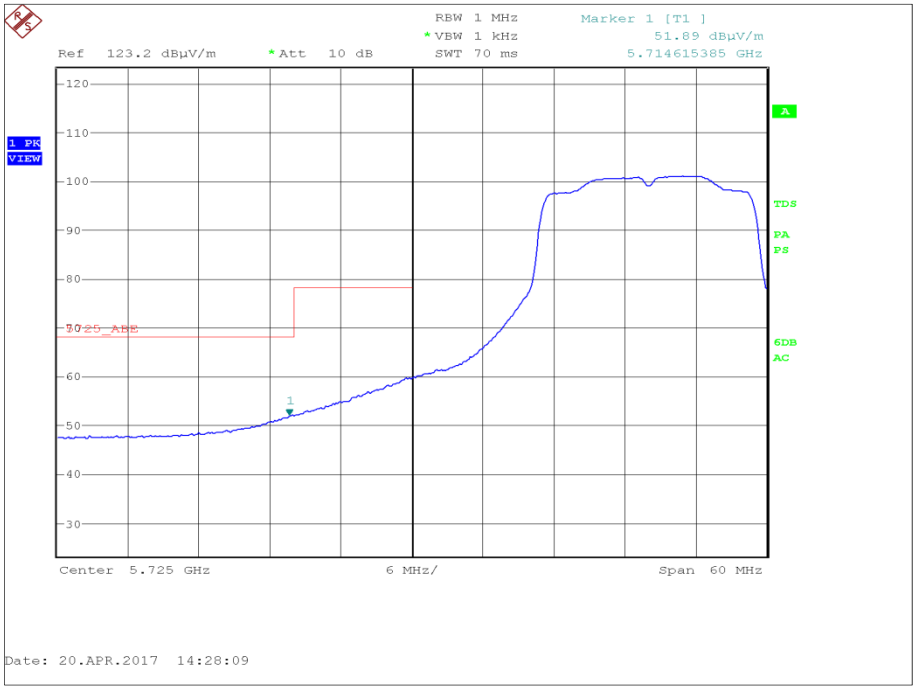

Figure 83 - U-NII 3 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

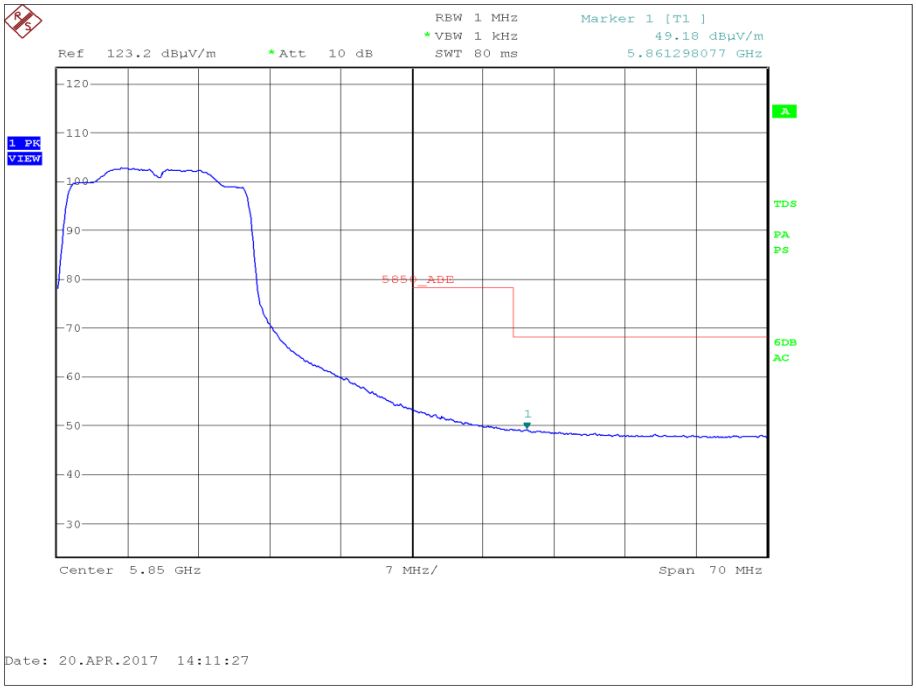

Figure 84 - U-NII 3 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

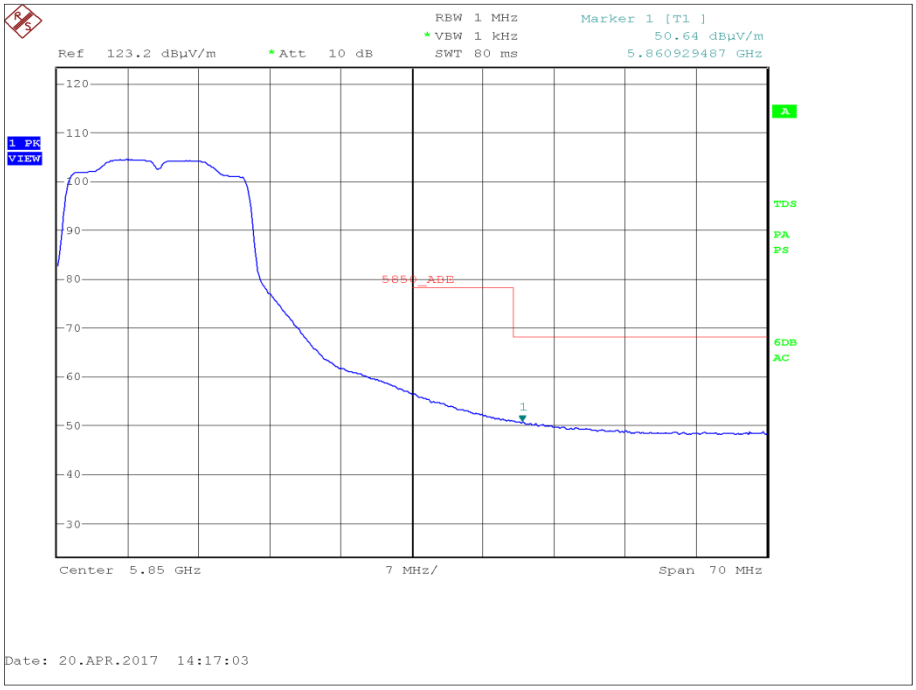

Figure 85 - U-NII 3 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤-27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Industry Canada RSS-247, Limit Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

802.11n (40 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5190	5150	48.32
Widest Emission Bandwidth	MCS0	5190	5150	48.32

Table 104 - UNII 1 - Authorised Band Edge Results

Figure 86 - U-NII 1 - Authorised Band Edge at 5150 MHz

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5310	5350	49.96
Widest Emission Bandwidth	MCS0	5310	5350	49.96

Table 105 - U-NII 2a - Authorised Band Edge Results

Figure 87 - U-NII 2a - Authorised Band Edge at 5350 MHz

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5510	5470	50.95
Widest Emission Bandwidth	MCS0	5510	5470	50.95
Highest Conducted Power	MCS0	5670	5725	48.26
Widest Emission Bandwidth	MCS0	5670	5725	48.26

Table 106 - U-NII 2c - Authorised Band Edge Results

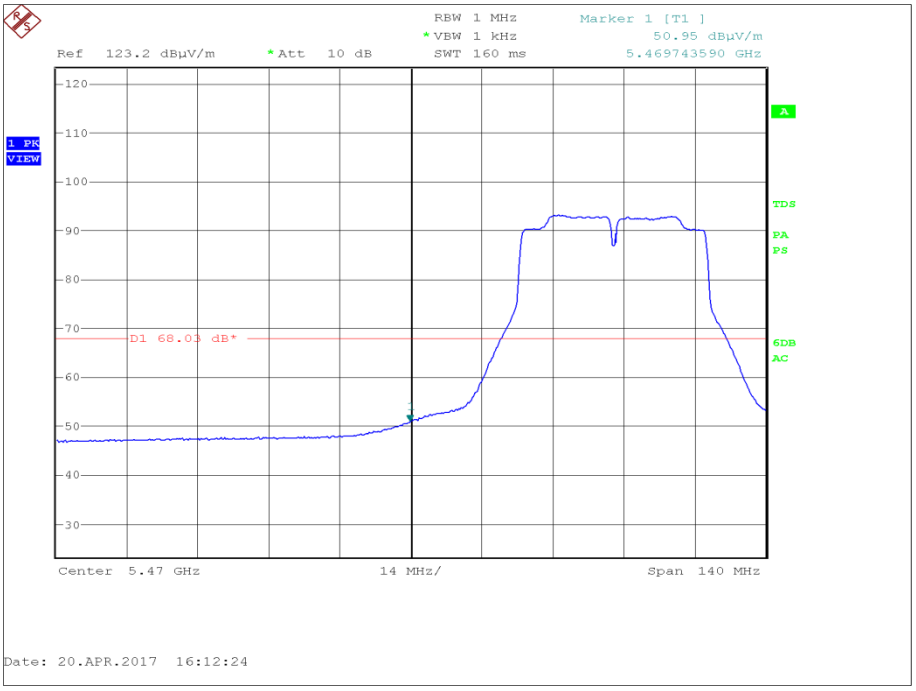

Figure 88 - U-NII 2c - Authorised Band Edge at 5470 MHz

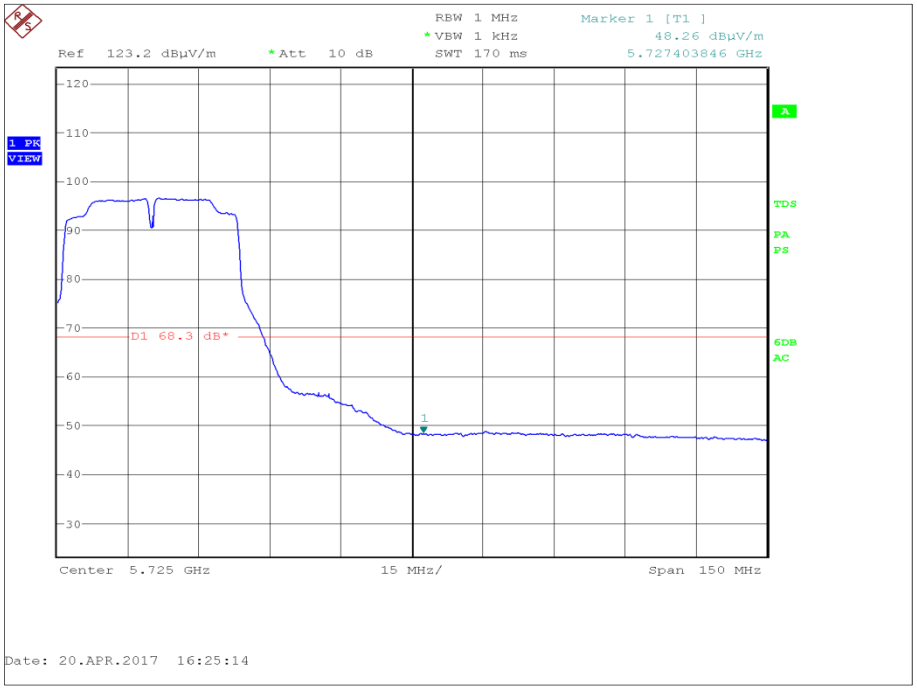

Figure 89 - U-NII 2c - Authorised Band Edge at 5725 MHz - Highest Conducted Power

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5755	5725	58.86
Widest Emission Bandwidth	MCS0	5755	5725	58.86
Highest Conducted Power	MCS0	5795	5850	47.90
Widest Emission Bandwidth	MCS0	5795	5850	47.90

Table 107 - U-NII 3 - Authorised Band Edge Results

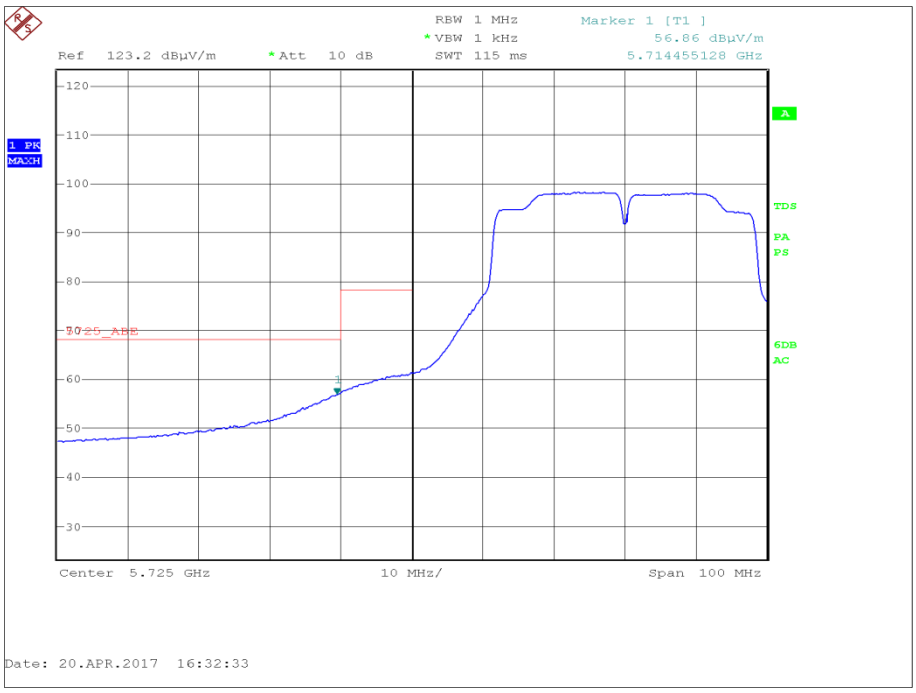

Figure 90 - U-NII 3 - Authorised Band Edge at 5725 MHz

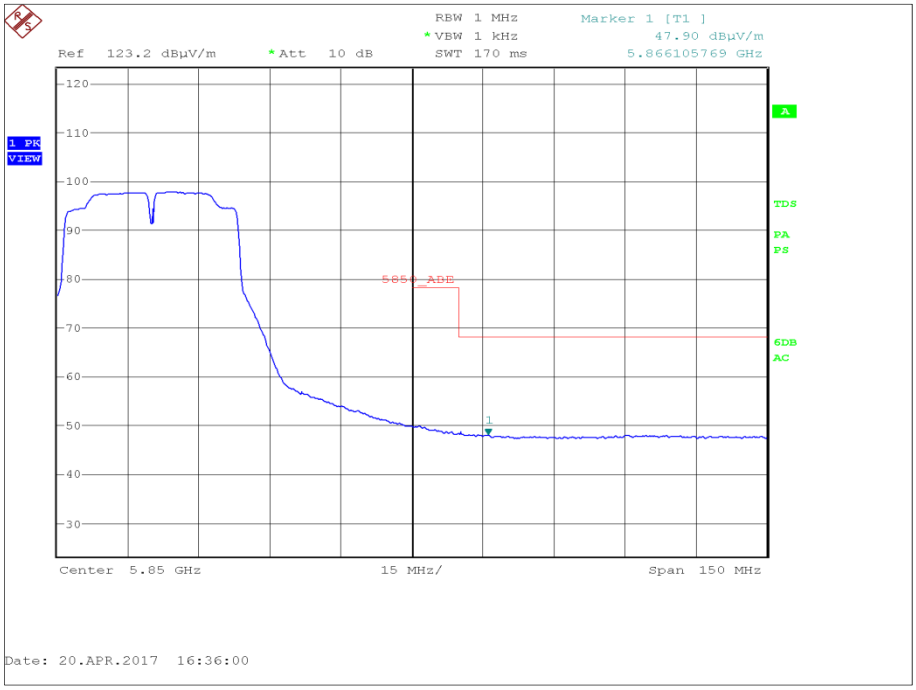

Figure 91 - U-NII 3 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

FCC 47 CFR Part 15E, Limit Clause15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤-27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Industry Canada RSS-247, Limit Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

802.11ac (20 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS5	5180	5150	52.22
Widest Emission Bandwidth	MCS0	5180	5150	50.82

Table 108 - UNII 1 - Authorised Band Edge Results

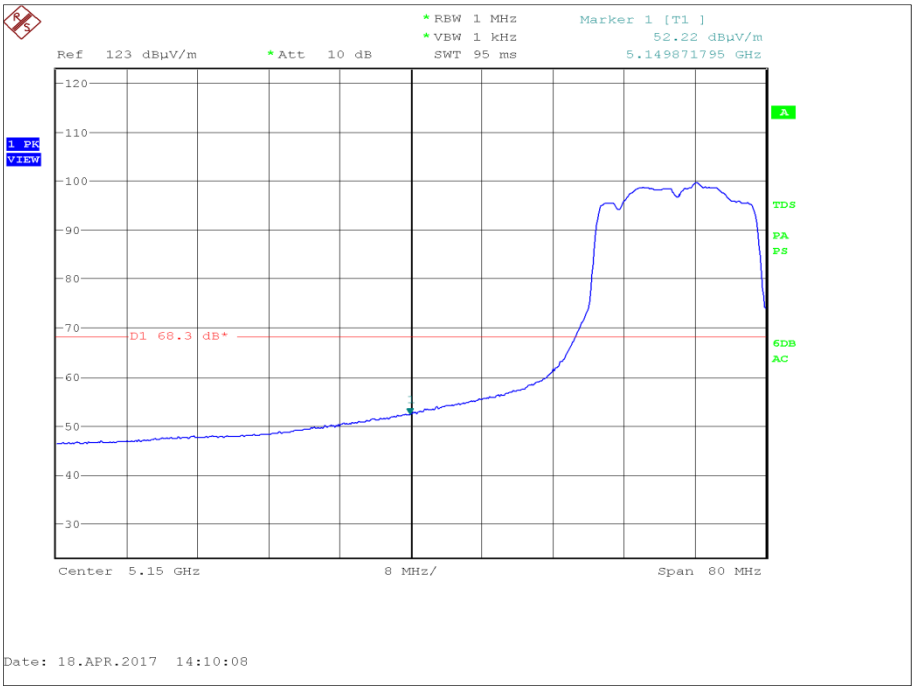

Figure 92 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

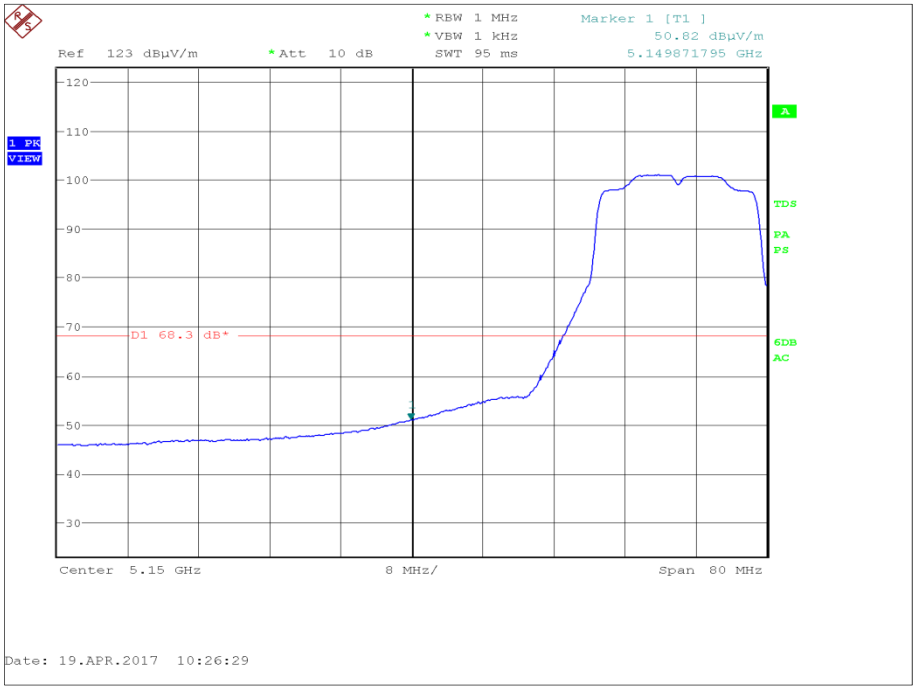

Figure 93 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS5	5320	5350	52.40
Widest Emission Bandwidth	MCS0	5320	5350	49.41

Table 109 - U-NII 2a - Authorised Band Edge Results

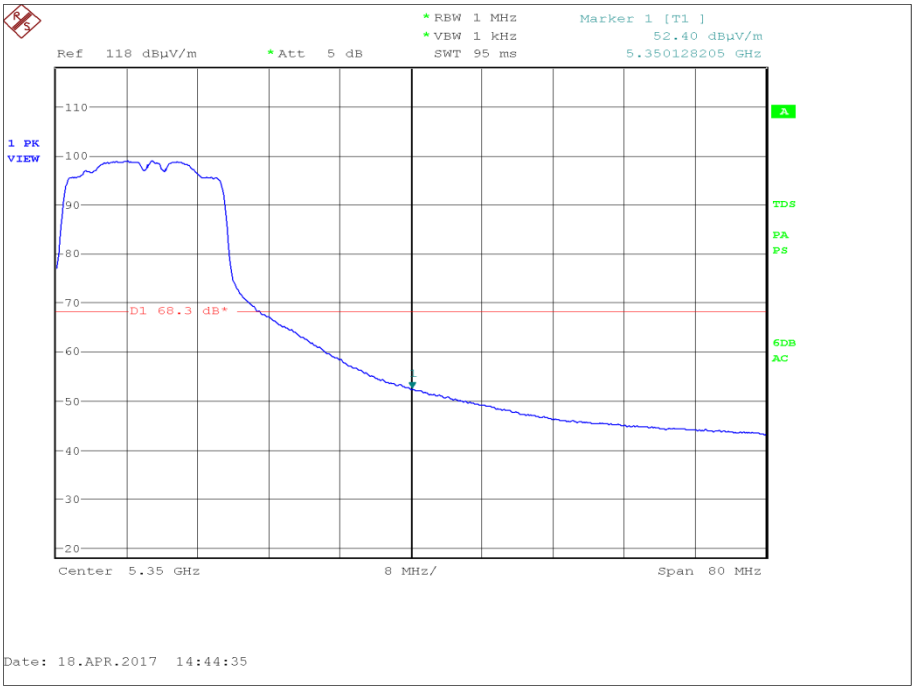

Figure 94 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

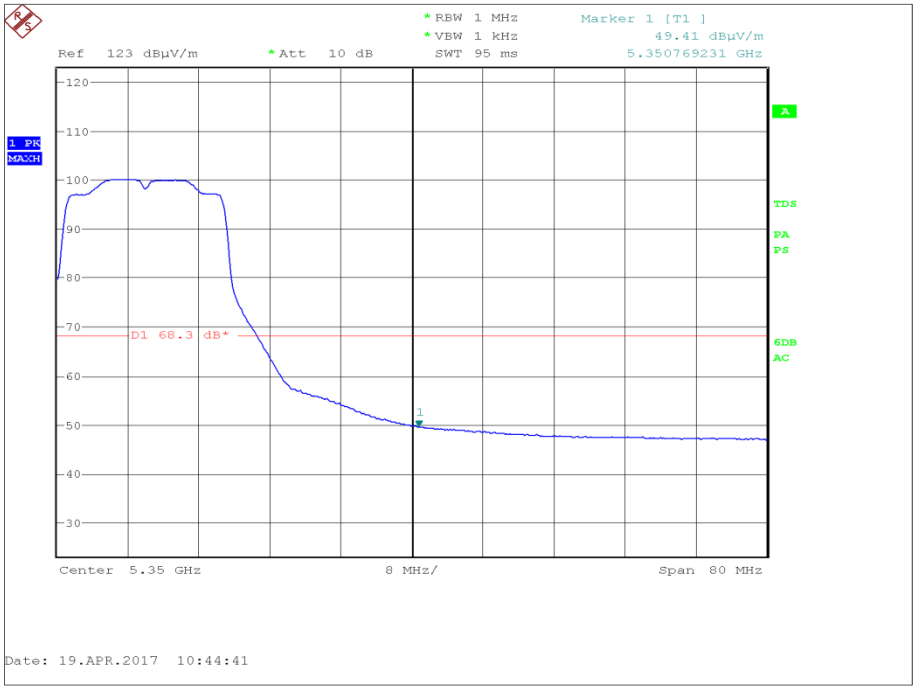

Figure 95 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS5	5500	5470	49.23
Widest Emission Bandwidth	MCS0	5500	5470	48.88
Highest Conducted Power	MCS5	5700	5725	47.30
Widest Emission Bandwidth	MCS0	5700	5725	48.05

Table 110 - U-NII 2c - Authorised Band Edge Results

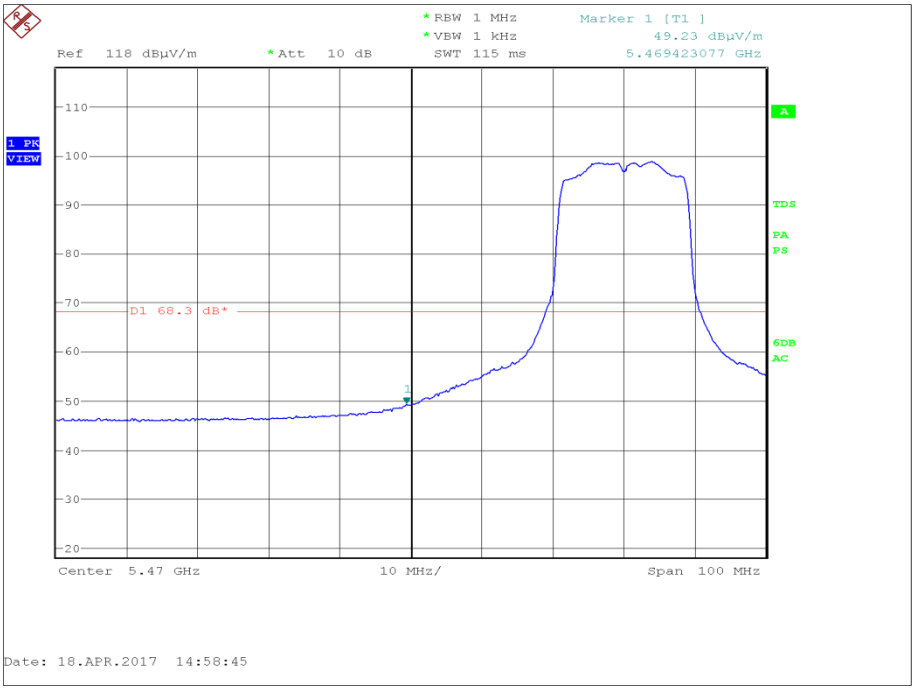

Figure 96 - U-NII 2c - Authorised Band Edge at 5470 MHz - Highest Conducted Power

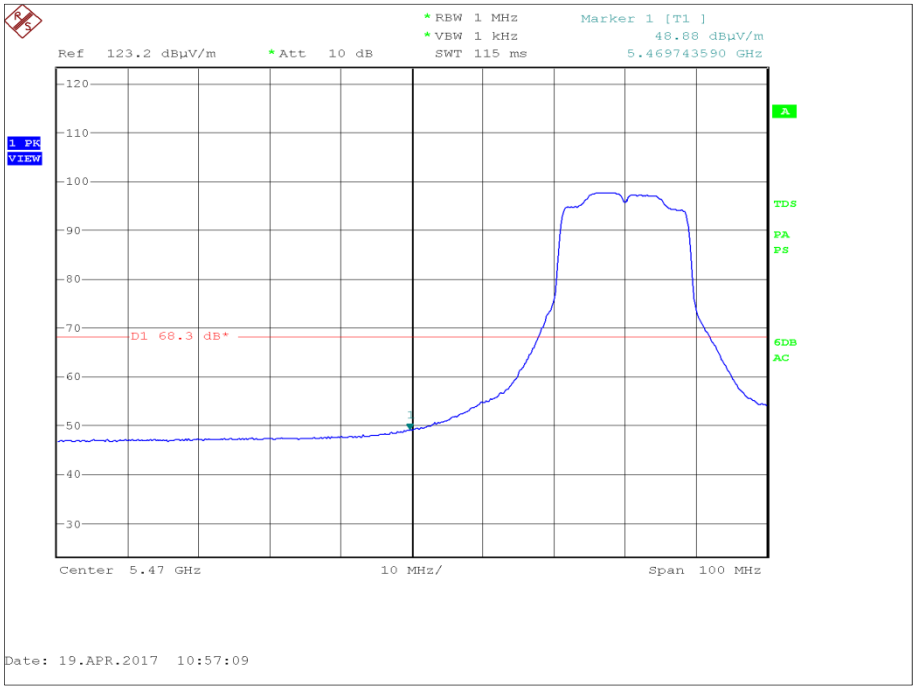

Figure 97 - U-NII 2c - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

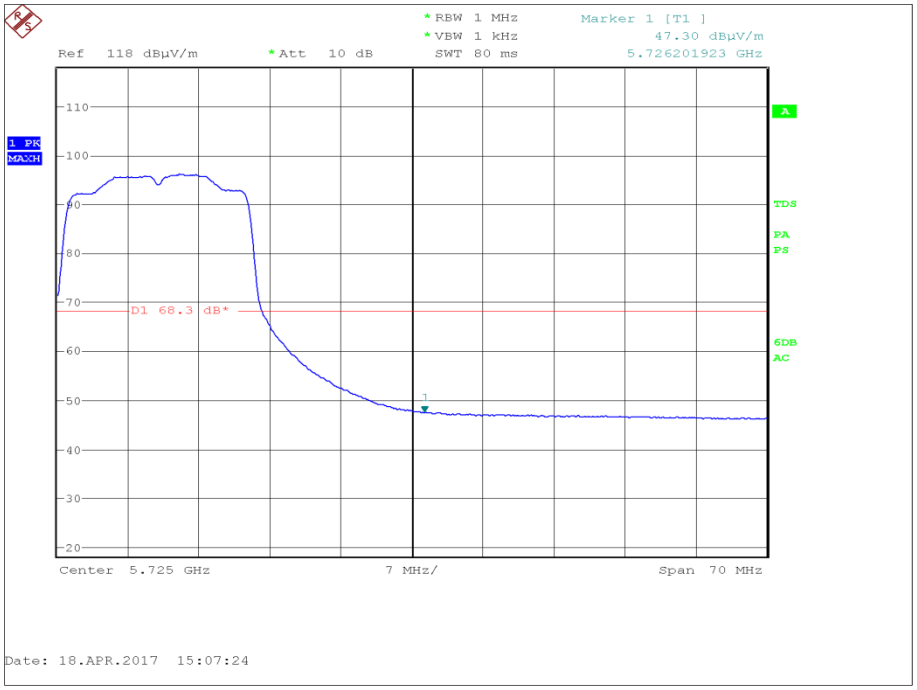

Figure 98 - U-NII 2c - Authorised Band Edge at 5725 MHz - Highest Conducted Power

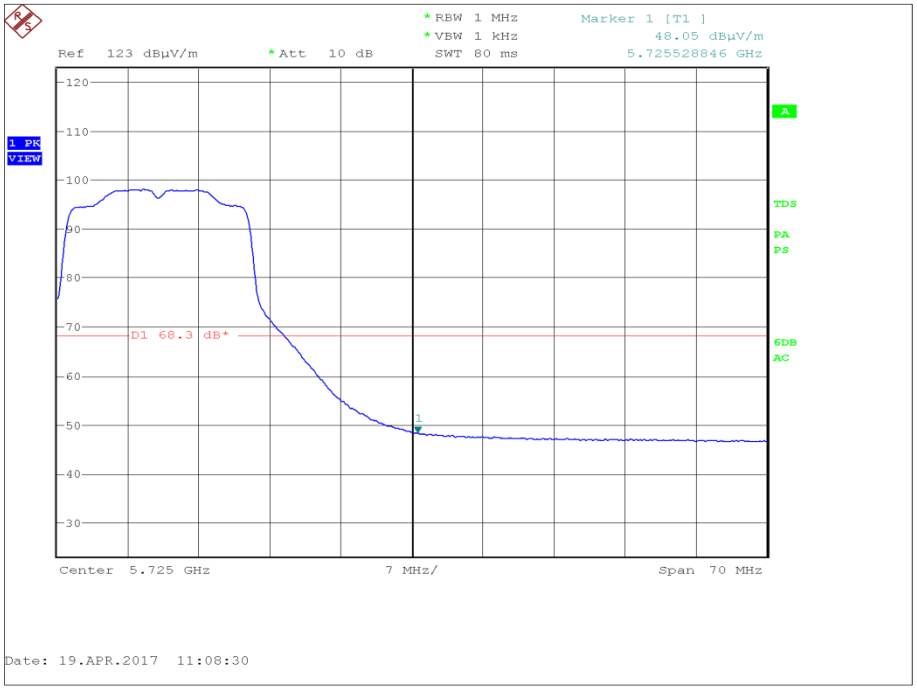

Figure 99 - U-NII 2c - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS5	5745	5725	55.18
Widest Emission Bandwidth	MCS0	5745	5725	52.57
Highest Conducted Power	MCS5	5825	5850	50.42
Widest Emission Bandwidth	MCS0	5825	5850	51.84

Table 111 - U-NII 3 - Authorised Band Edge Results

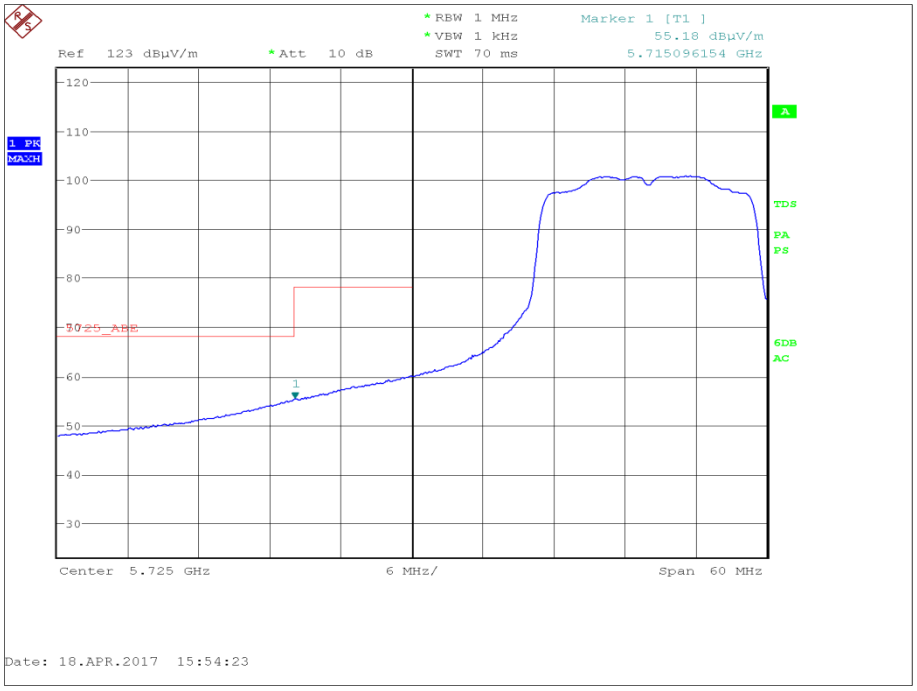

Figure 100 - U-NII 3 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

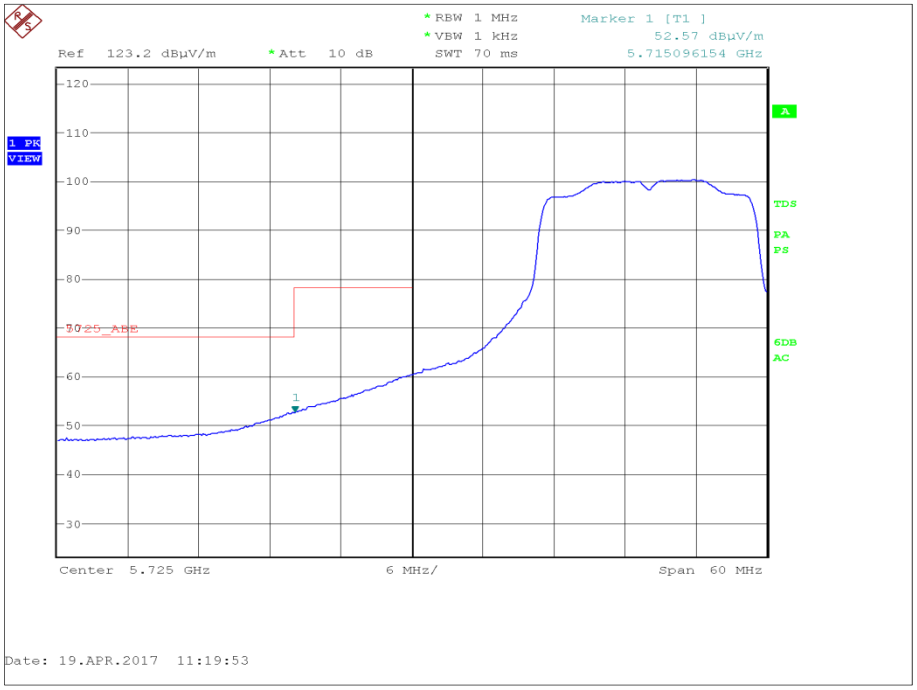

Figure 101 - U-NII 3 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

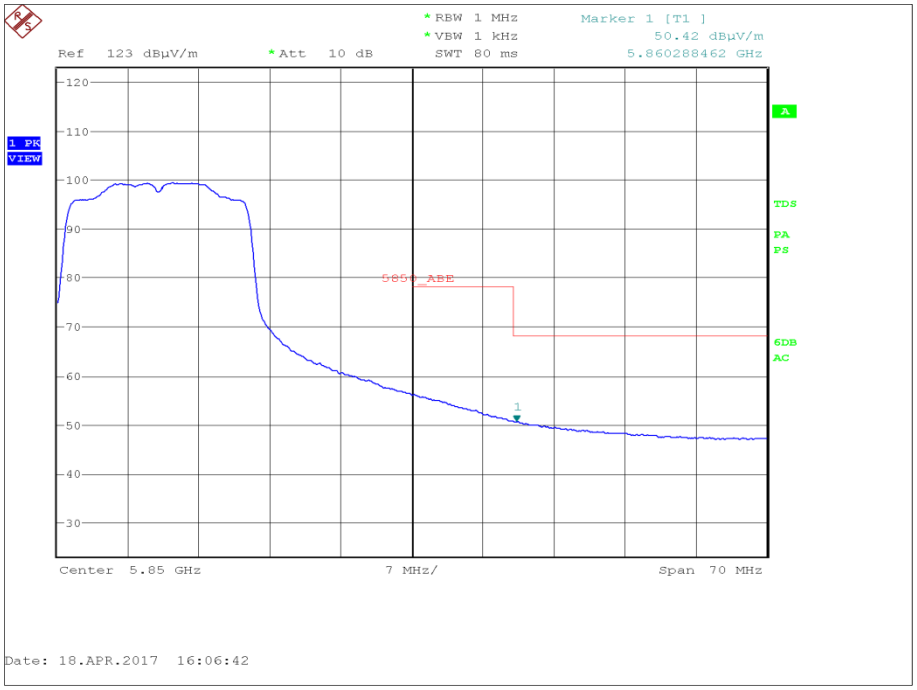

Figure 102 - U-NII 3 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

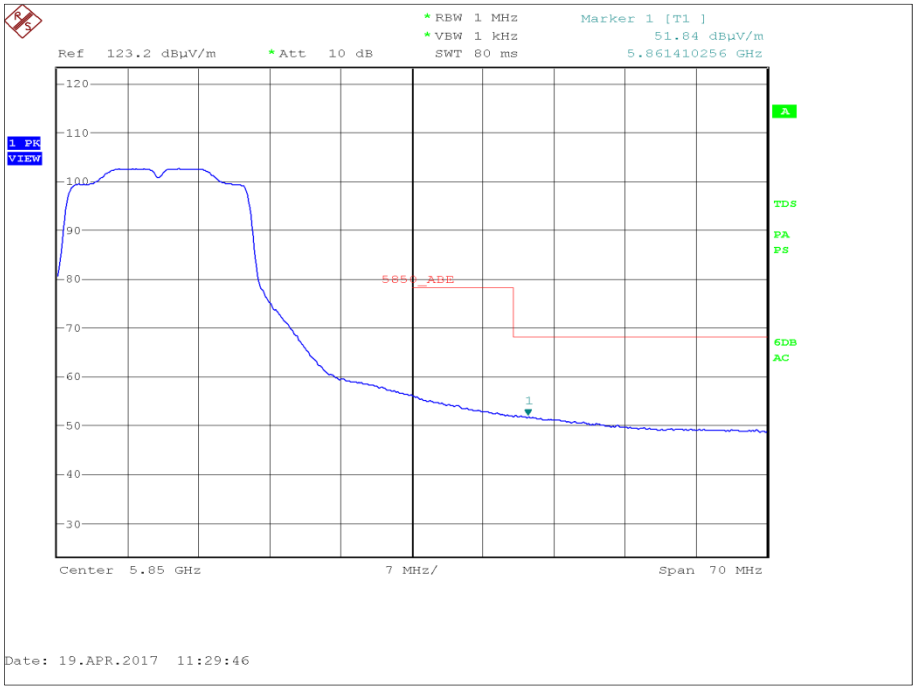

Figure 103 - U-NII 3 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤-27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Industry Canada RSS-247, Limit Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

802.11ac (40 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5190	5150	46.57
Widest Emission Bandwidth	MCS0	5190	5150	46.57

Table 112 - UNII 1 - Authorised Band Edge Results

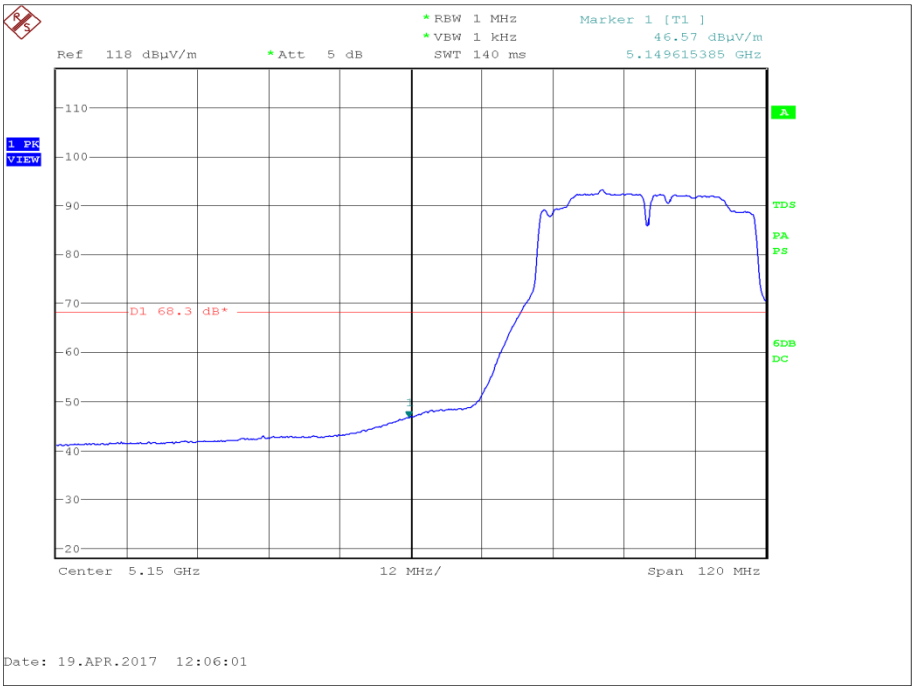

Figure 104 - U-NII 1 - Authorised Band Edge at 5150 MHz

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5310	5350	48.77
Widest Emission Bandwidth	MCS0	5310	5350	48.77

Table 113 - U-NII 2a - Authorised Band Edge Results

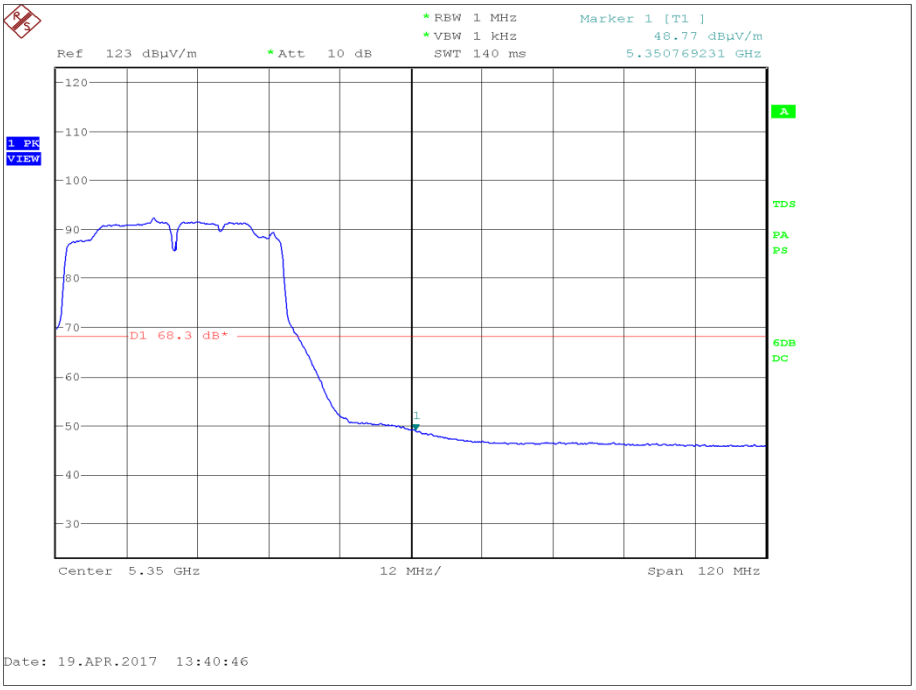

Figure 105 - U-NII 2a - Authorised Band Edge at 5350 MHz

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5510	5470	50.51
Widest Emission Bandwidth	MCS0	5510	5470	50.51
Highest Conducted Power	MCS0	5670	5725	47.46
Widest Emission Bandwidth	MCS0	5670	5725	47.46

Table 114 - U-NII 2c - Authorised Band Edge Results

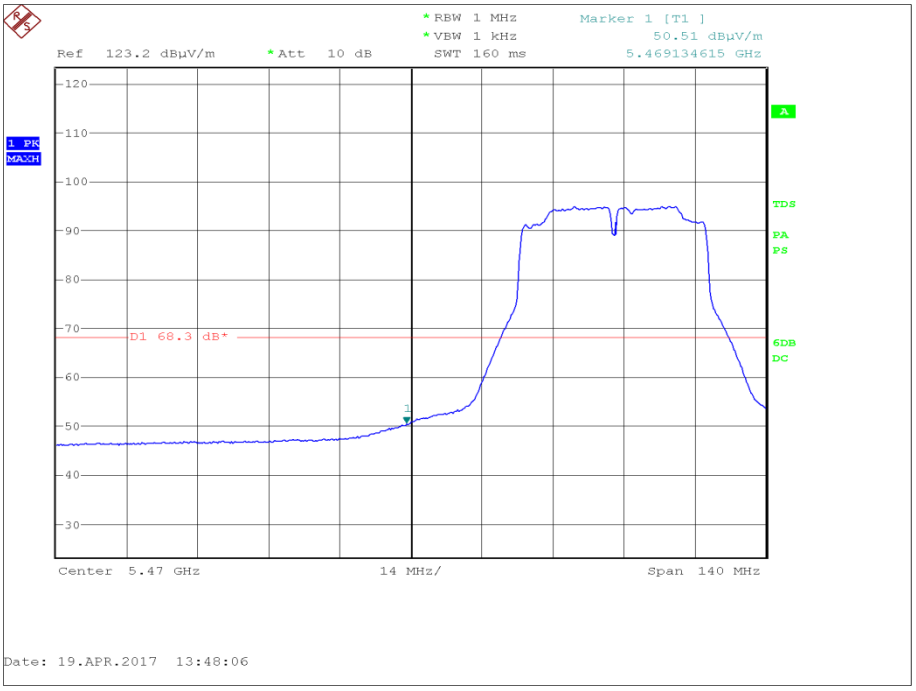

Figure 106 - U-NII 2c - Authorised Band Edge at 5470 MHz

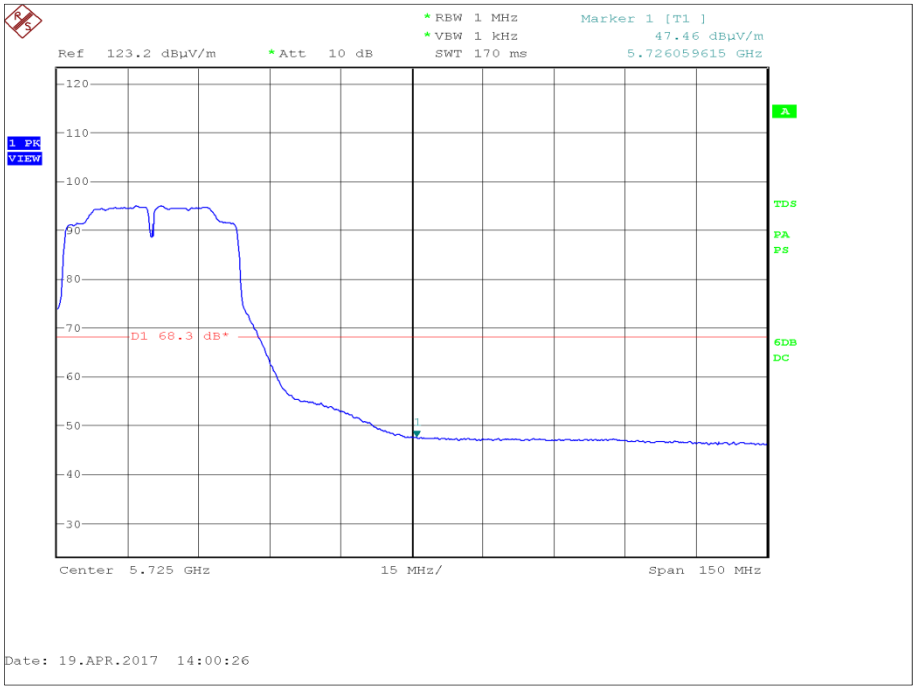

Figure 107 - U-NII 2c - Authorised Band Edge at 5725 MHz

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5755	5725	54.16
Widest Emission Bandwidth	MCS0	5755	5725	54.16
Highest Conducted Power	MCS0	5795	5850	59.24
Widest Emission Bandwidth	MCS0	5795	5850	59.24

Table 115 - U-NII 3 - Authorised Band Edge Results

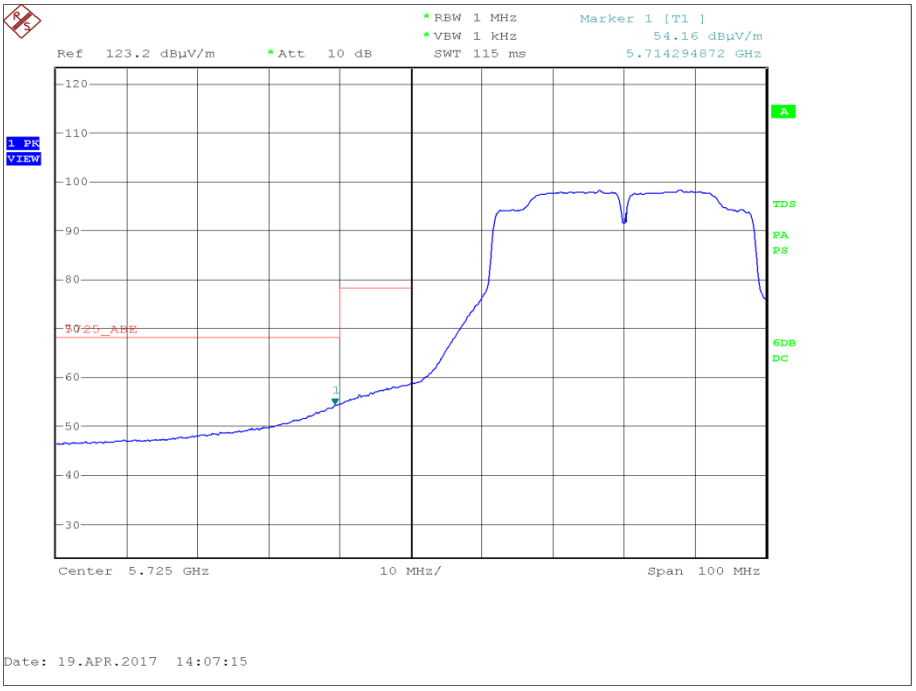

Figure 108 - U-NII 3 - Authorised Band Edge at 5725 MHz

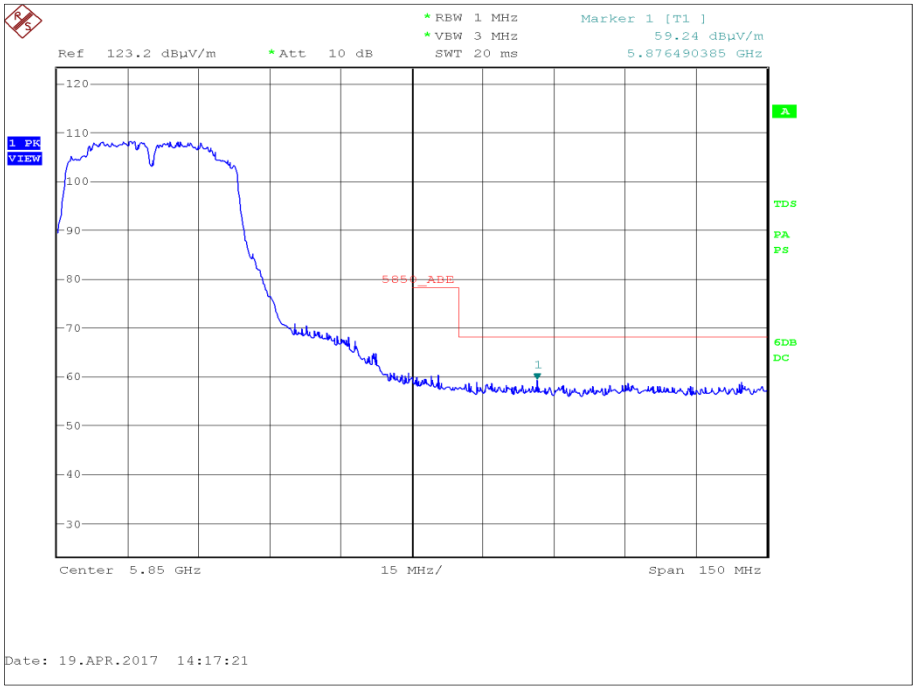

Figure 109 - U-NII 3 - Authorised Band Edge at 5850 MHz

FCC 47 CFR Part 15E, Limit Clause15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤-27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Industry Canada RSS-247, Limit Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

802.11ac (80 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5210	5150	47.79
Widest Emission Bandwidth	MCS1	5210	5150	48.83

Table 116 - UNII 1 - Authorised Band Edge Results

Figure 110 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

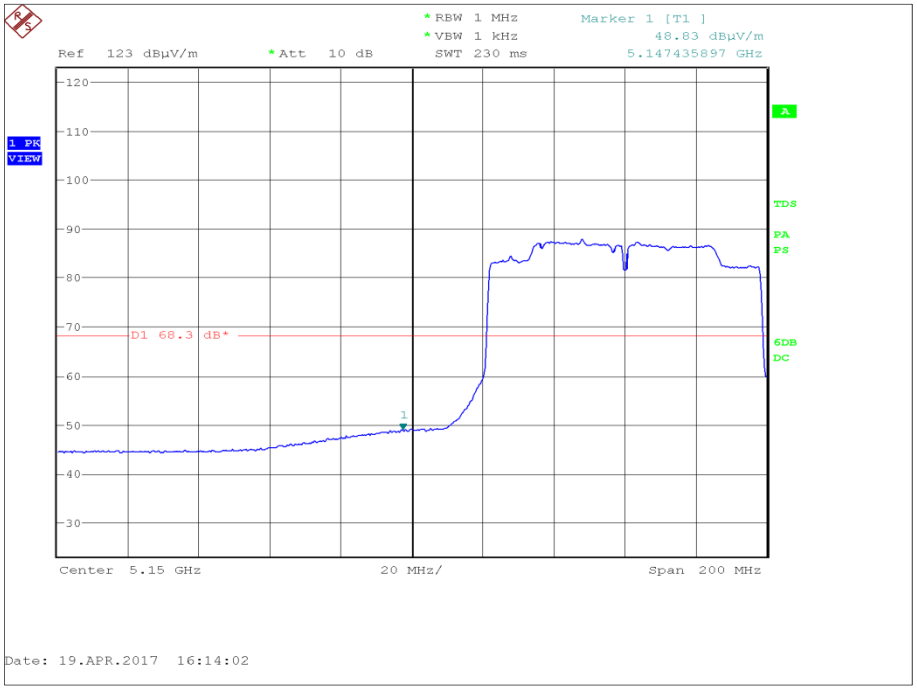

Figure 111 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5290	5350	48.00
Widest Emission Bandwidth	MCS1	5290	5350	49.50

Table 117 - U-NII 2a - Authorised Band Edge Results

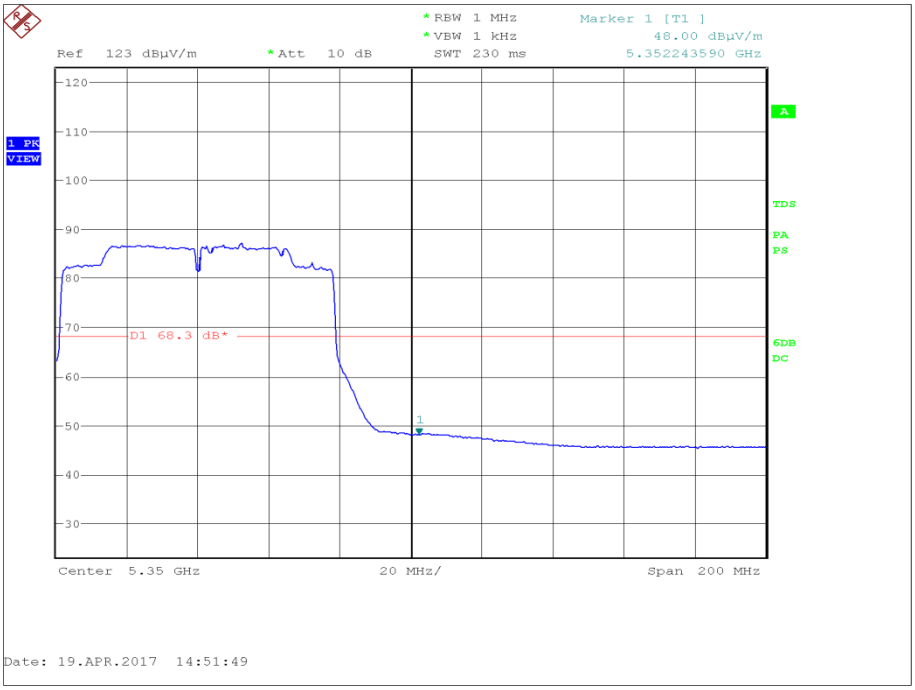

Figure 112 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

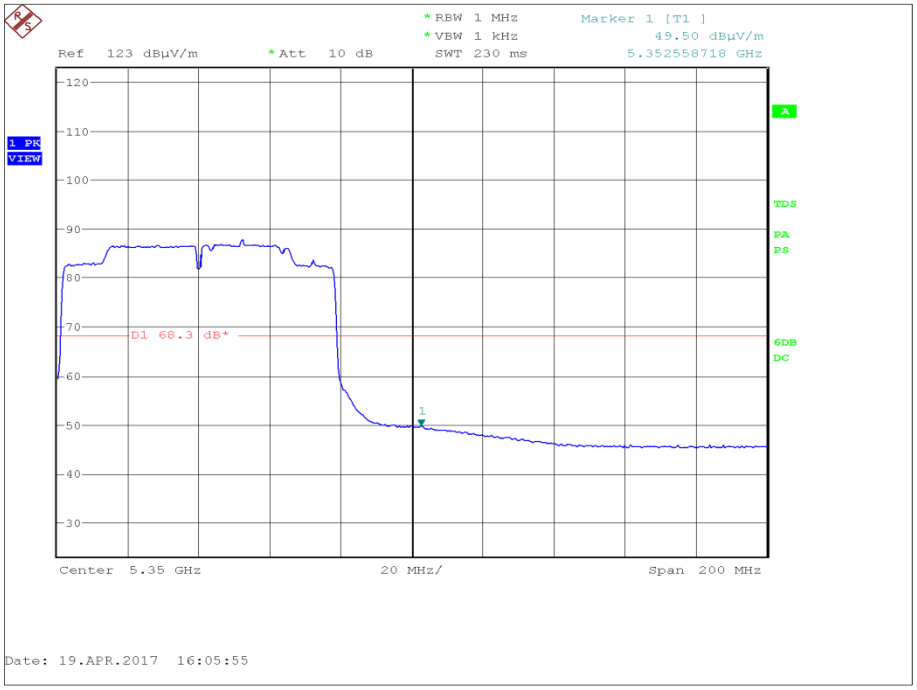

Figure 113 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5530	5470	51.84
Widest Emission Bandwidth	MCS1	5530	5470	48.90
Highest Conducted Power	MCS0	5610	5725	57.66
Widest Emission Bandwidth	MCS1	5610	5725	53.74

Table 118 - U-NII 2c - Authorised Band Edge Results

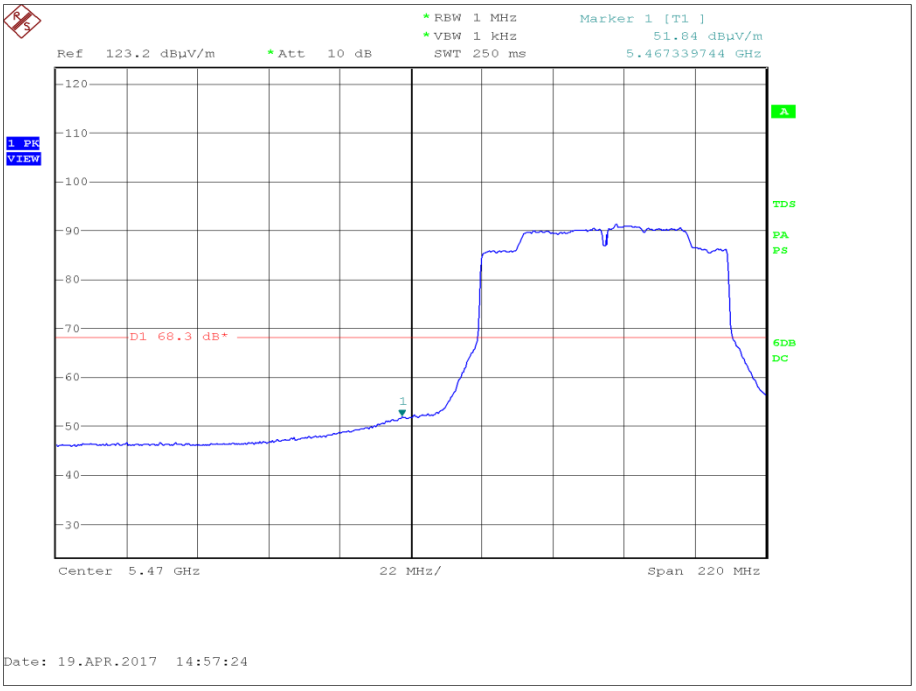

Figure 114 - U-NII 2c - Authorised Band Edge at 5470 MHz - Highest Conducted Power

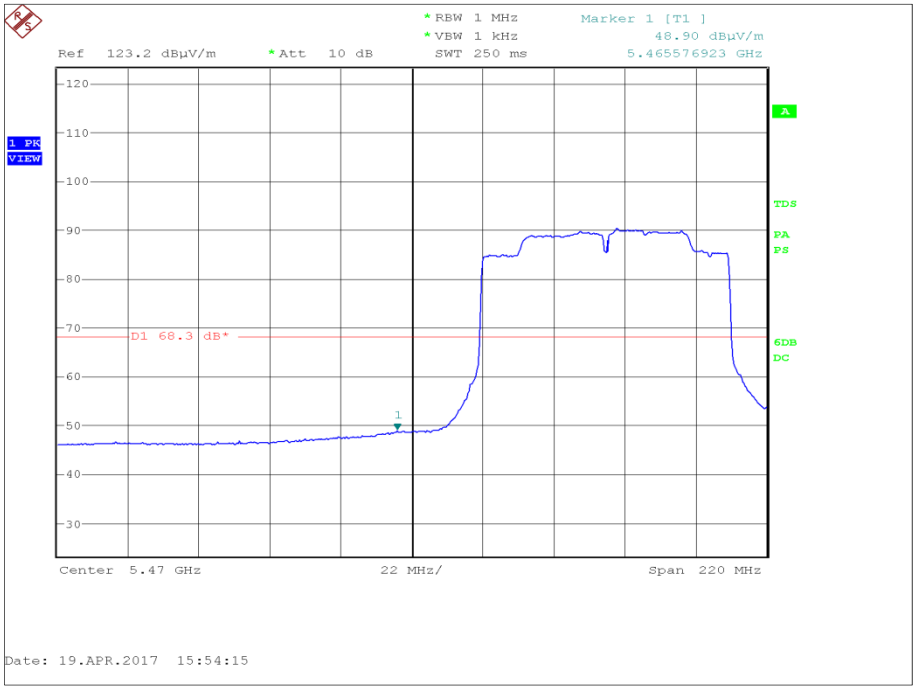

Figure 115 - U-NII 2c - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

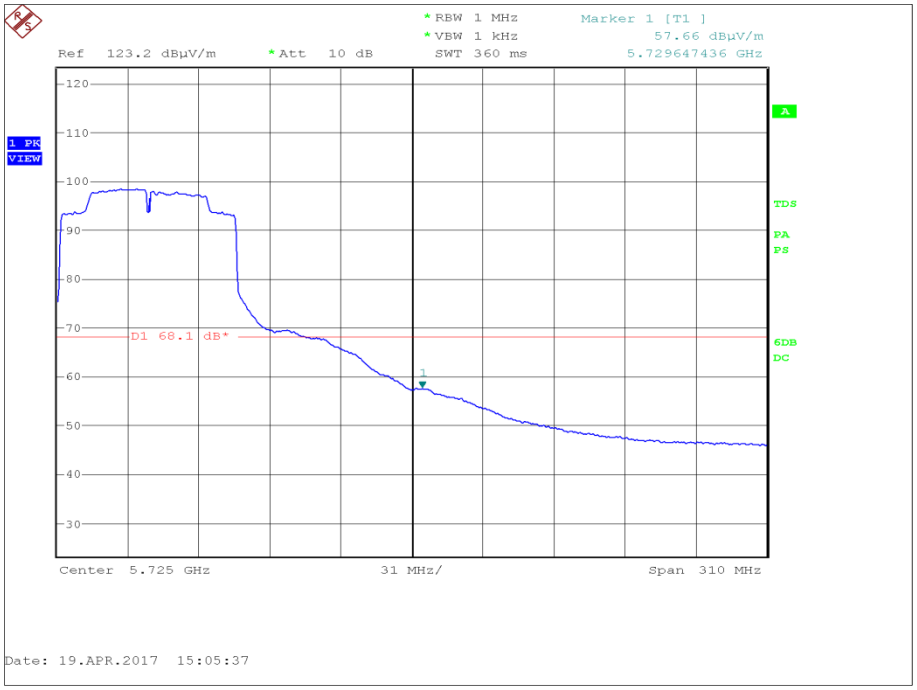

Figure 116 - U-NII 2c - Authorised Band Edge at 5725 MHz - Highest Conducted Power

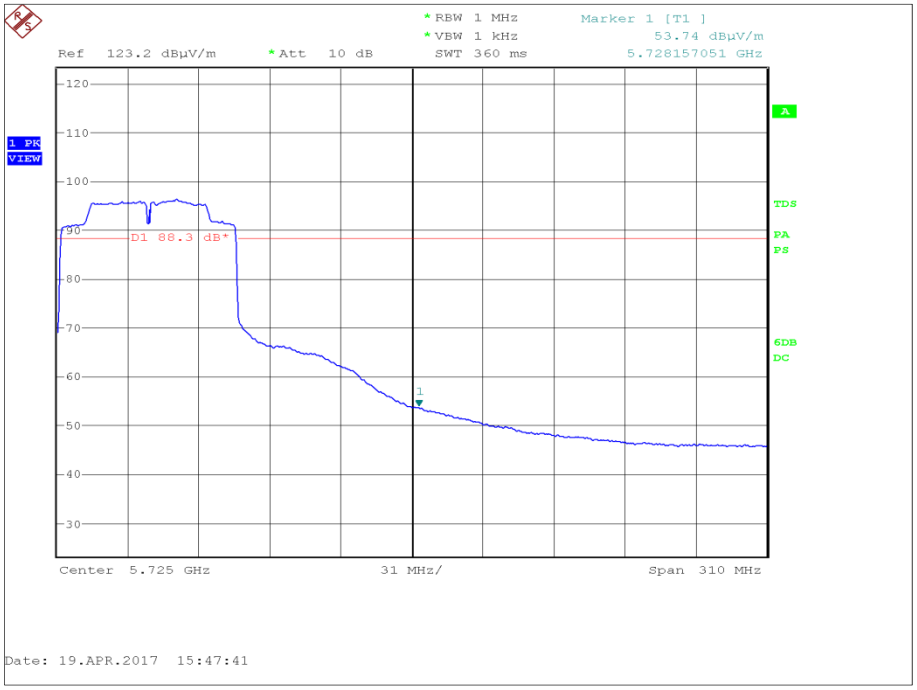

Figure 117 - U-NII 2c - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5775	5725	58.87
Widest Emission Bandwidth	MCS1	5775	5725	62.99
Highest Conducted Power	MCS0	5775	5850	60.53
Widest Emission Bandwidth	MCS1	5775	5850	62.64

Table 119 - U-NII 3 - Authorised Band Edge Results

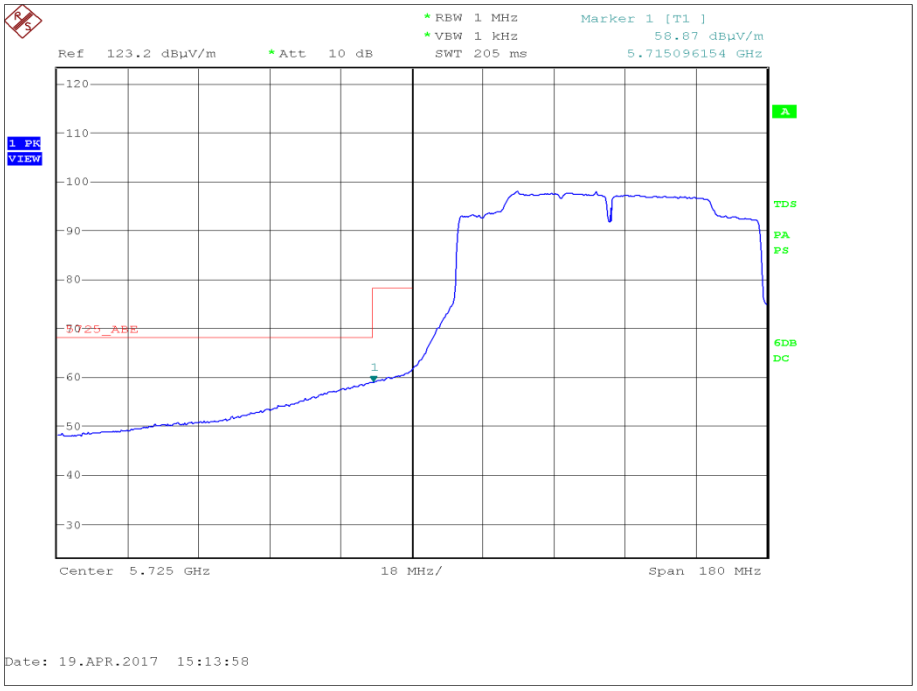

Figure 118 - U-NII 3 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

Figure 119 - U-NII 3 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

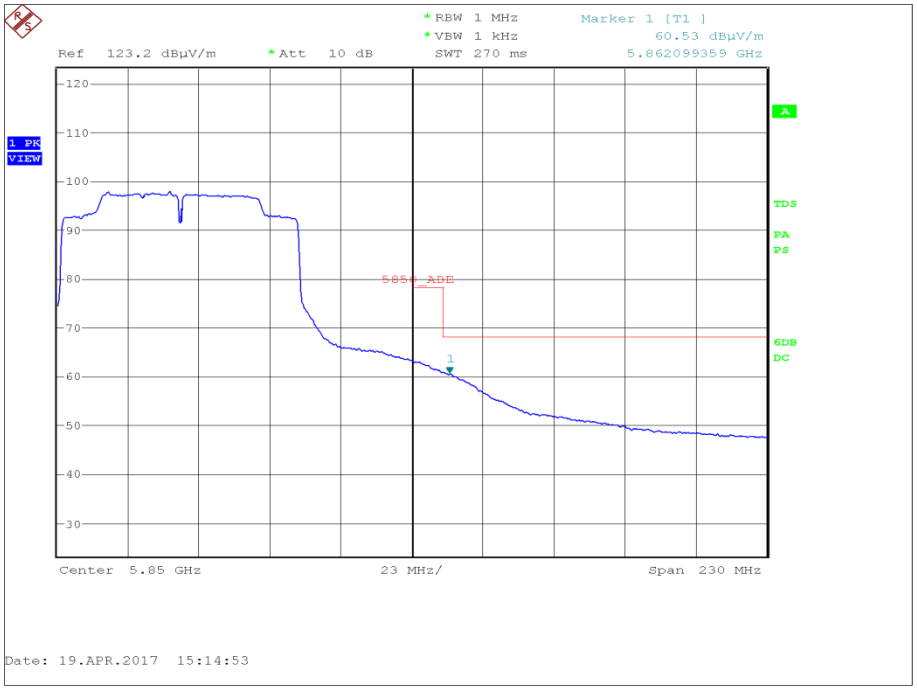

Figure 120 - U-NII 3 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

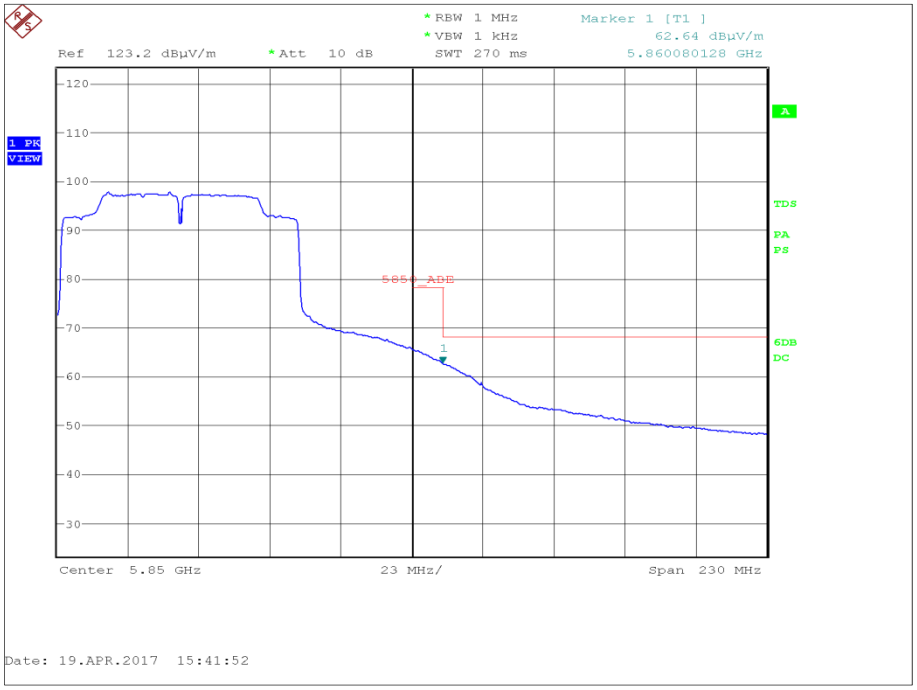

Figure 121 - U-NII 3 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause15.407(b)(1)(2)(3)(4)

For transmitters operating in the 5.15-5.25 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.25-5.35 GHz band: ≤-27 dBm/MHz outside 5150-5350 MHz.

For transmitters operating in the 5.47-5.725 GHz band: ≤-27 dBm/MHz outside 5470-5725 MHz

For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

Industry Canada RSS-247, Limit Clause 6.2.1.2

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB.

For transmitters with operating frequencies in the bands 5250-5350 MHz and 5470-5725 MHz, all emissions outside the band 5250-5350 MHz and 5470-5725 MHz shall not exceed -27 dBm/MHz e.i.r.p.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

2.5.7 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 5.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Screened Room (5)	Rainford	Rainford	1545	36	20-Dec-2017
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Hygromer	Rotronic	A1	2138	12	2-Feb-2018
Cable (N-N, 8m)	Rhophase	NPS-2302-8000-NPS	3248	-	O/P Mon
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	12-Nov-2017
Tilt Antenna Mast	maturo Gmbh	TAM 4.0-P	3916	-	TU
Mast Controller	maturo Gmbh	NCD	3917	-	TU
Cable (Yellow, Rx, Km-Km 2m)	Scott Cables	KPS-1501-2000-KPS	4527	-	O/P Mon
Double Ridge Broadband Horn Antenna	Schwarzbeck	BBHA 9120 B	4848	12	17-Feb-2018

Table 120

TU - Traceability Unscheduled
O/P Mon – Output Monitored using calibrated equipment

2.6 Restricted Band Edges

2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.205
Industry Canada RSS-GEN, Clause 8.10

2.6.2 Equipment Under Test and Modification State

DAQRI Compute Pack, S/N: OA565-7DF-82K70497C1 - Modification State 0

2.6.3 Date of Test

18-April-2017 to 20-April-2017

2.6.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.10.5.

2.6.5 Environmental Conditions

Ambient Temperature	19.1 °C
Relative Humidity	36.0 - 38.0 %

2.6.6 Test Results

802.11a

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5150	64.64	50.09
Widest Emission Bandwidth	9 Mbps	5180	5150	62.70	49.96

Table 121 - UNII 1 - Restricted Band Edge Results

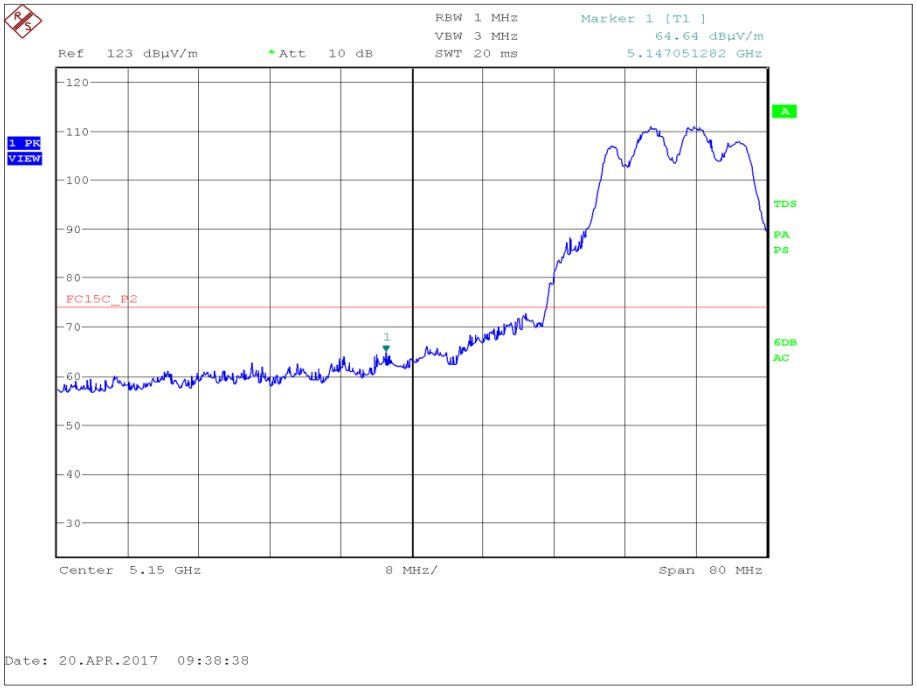

Figure 122 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

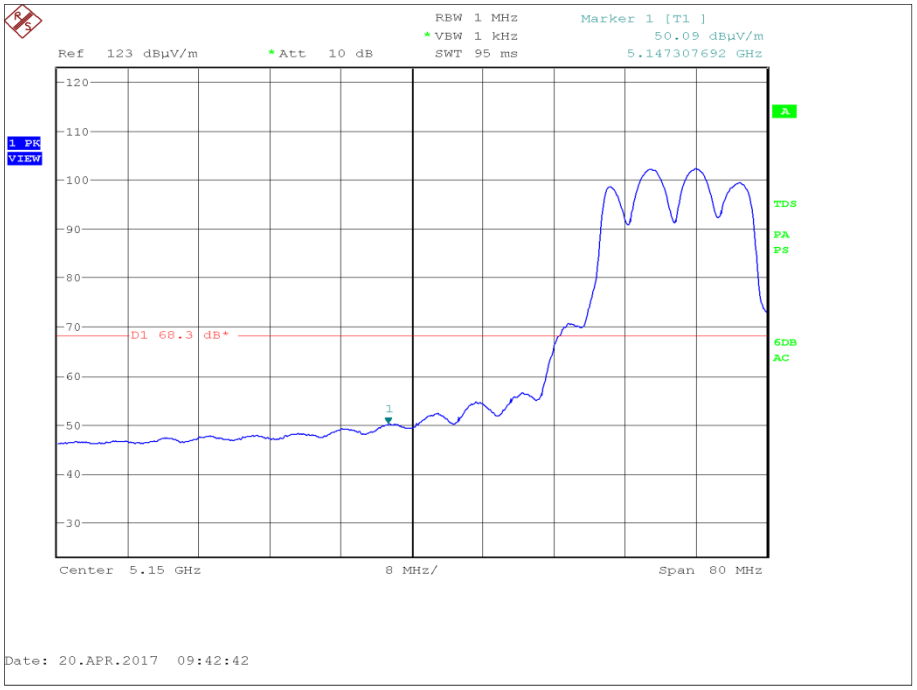

Figure 123 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

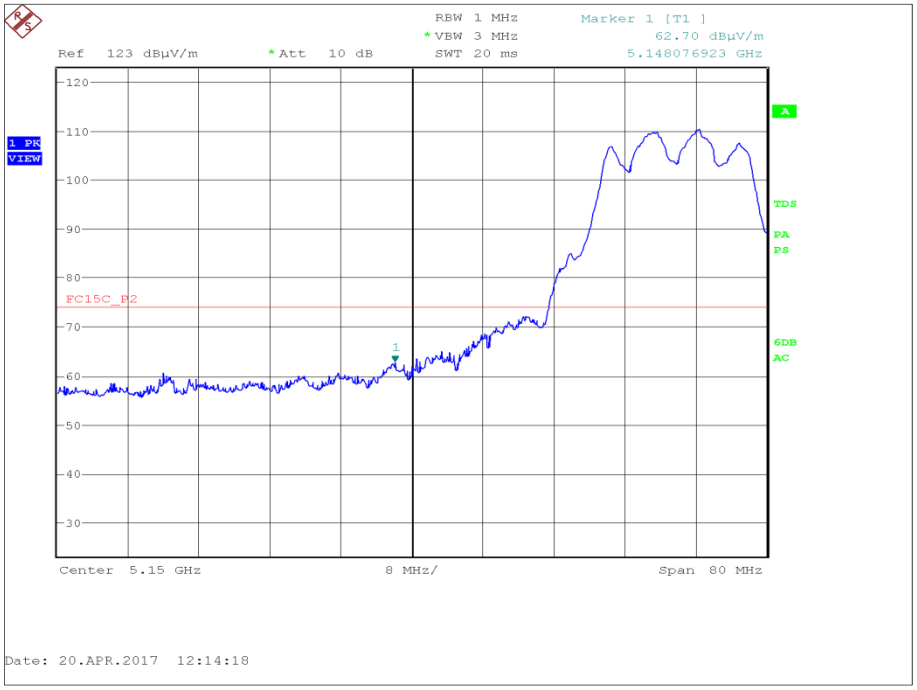

Figure 124 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

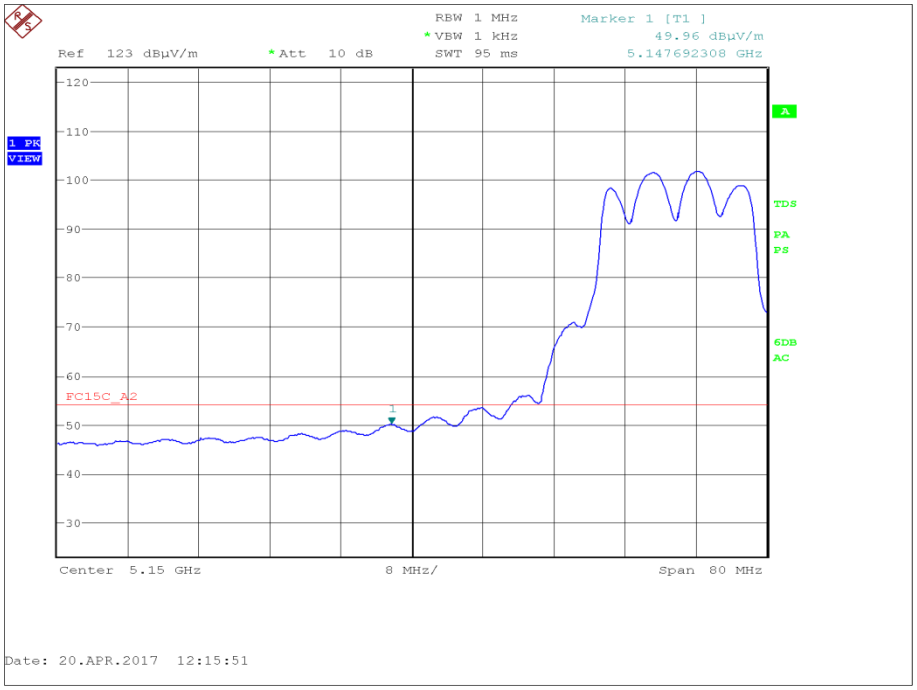

Figure 125 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	62.24	48.05
Widest Emission Bandwidth	9 Mbps	5180	5350	65.59	50.86

Table 122 - UNII 2a - Restricted Band Edge Results

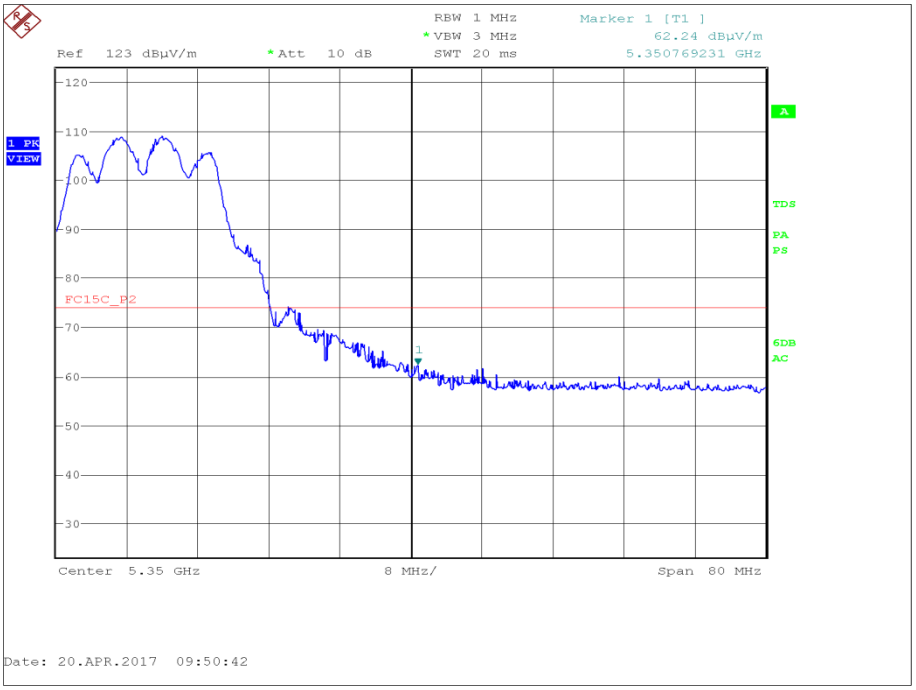

Figure 126 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

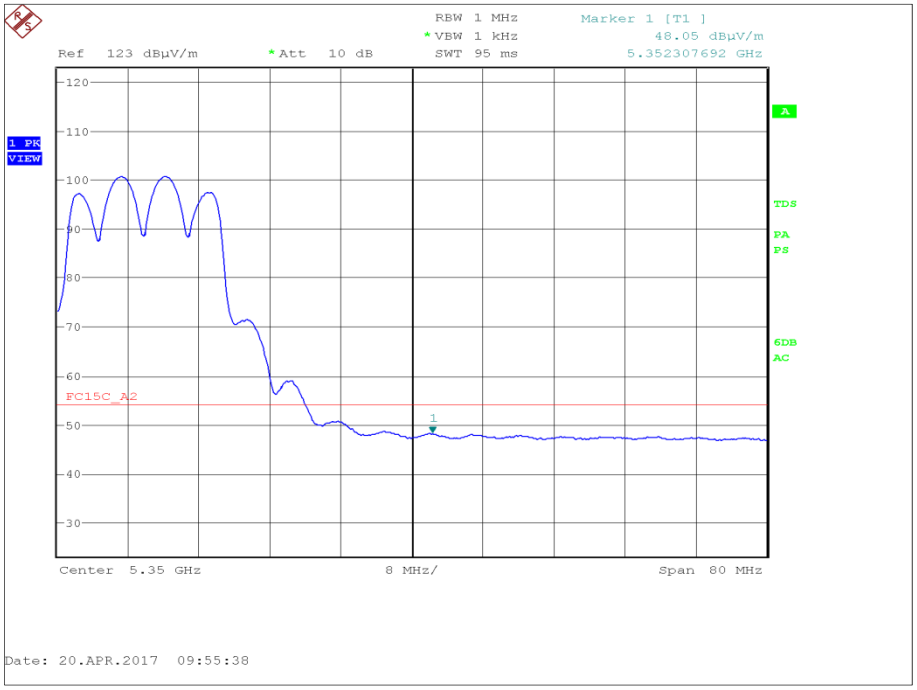

Figure 127 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

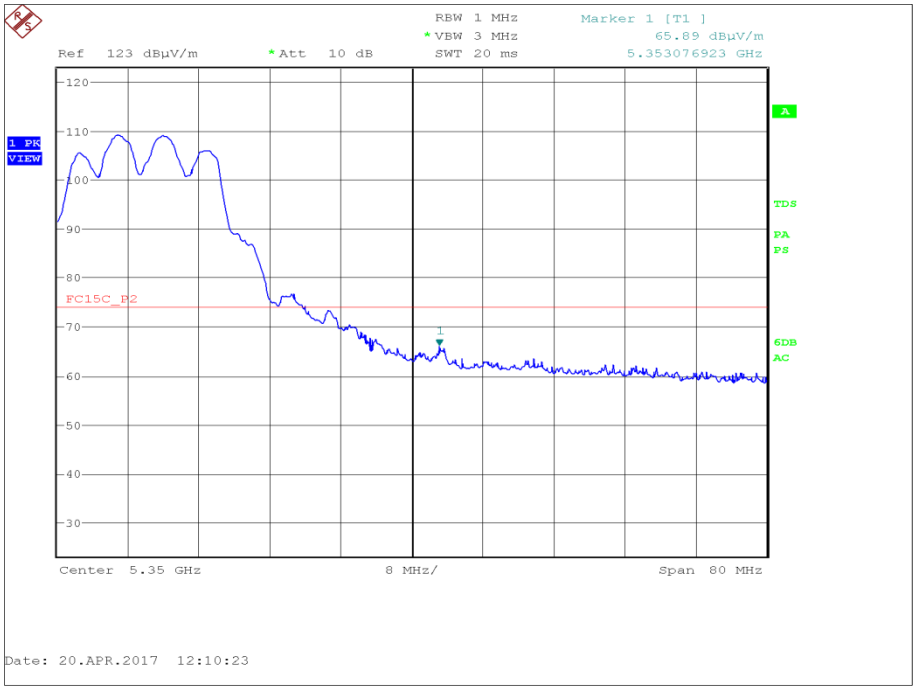

Figure 128 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

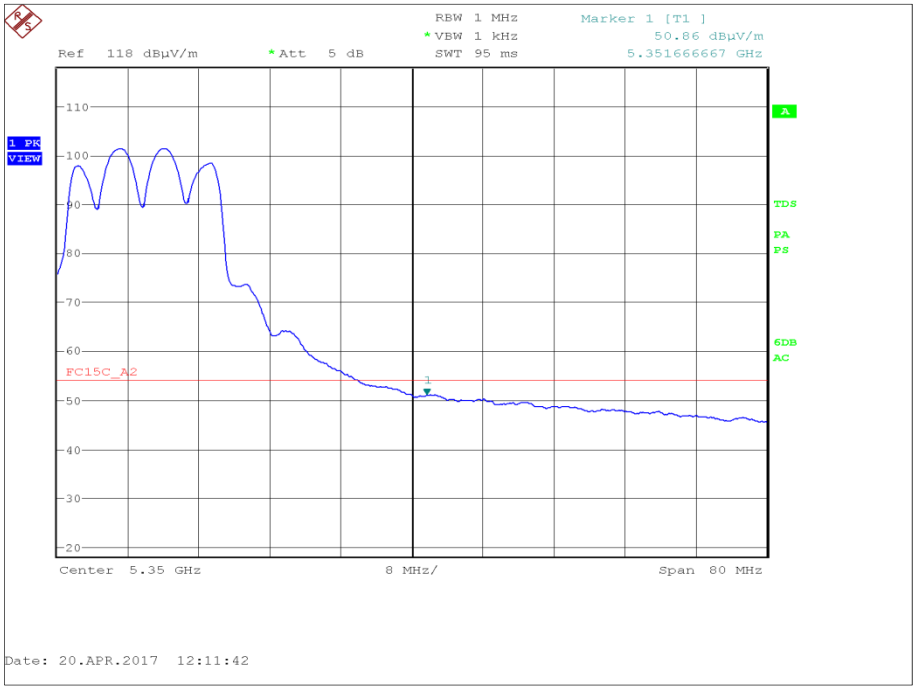

Figure 129 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	62.24	48.05
Widest Emission Bandwidth	9 Mbps	5180	5350	65.59	50.86

Table 123 - UNII 2c- Restricted Band Edge Results

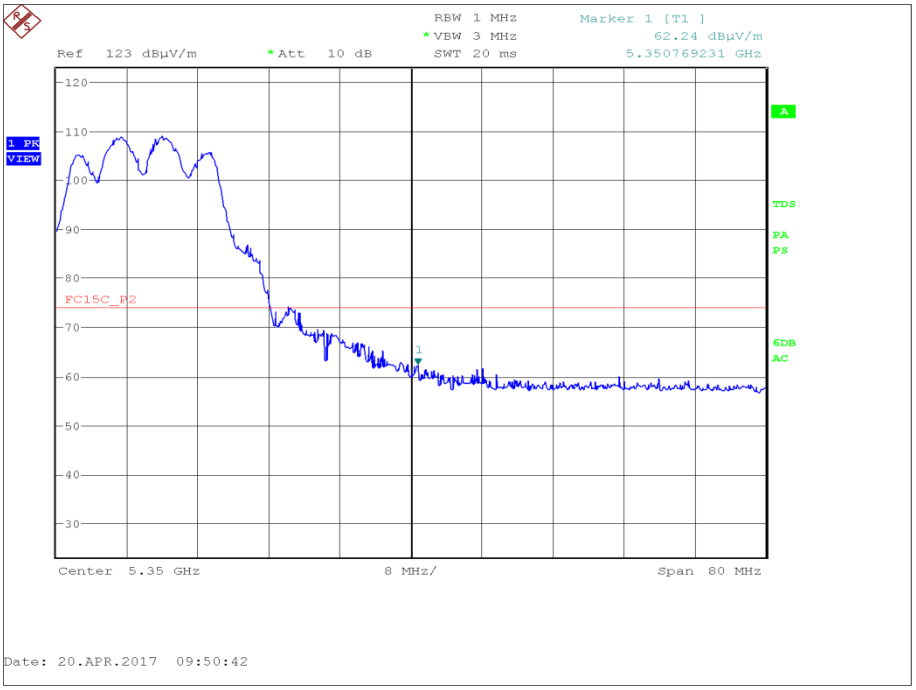

Figure 130 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

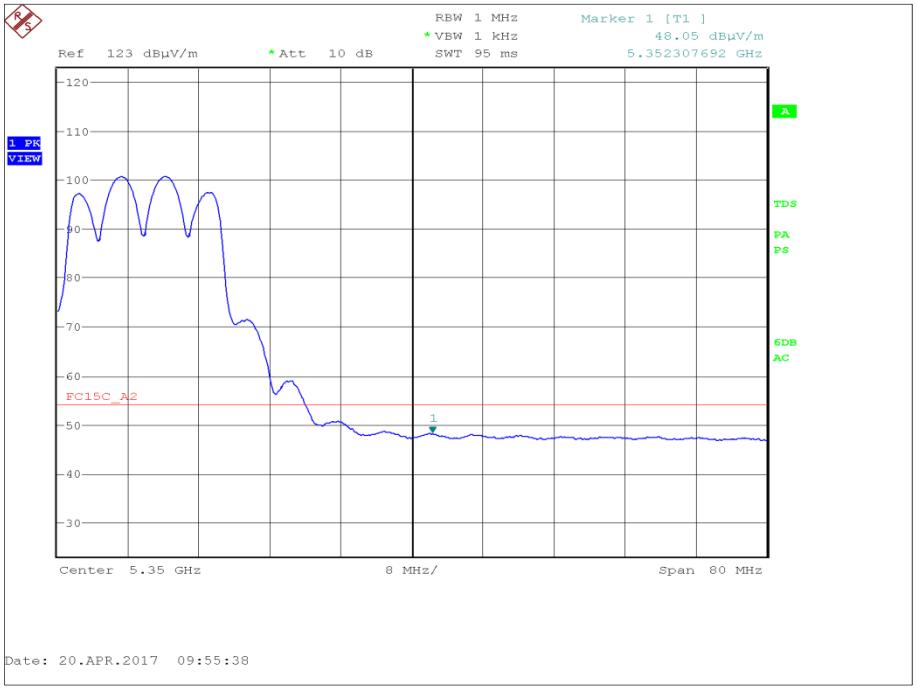

Figure 131 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

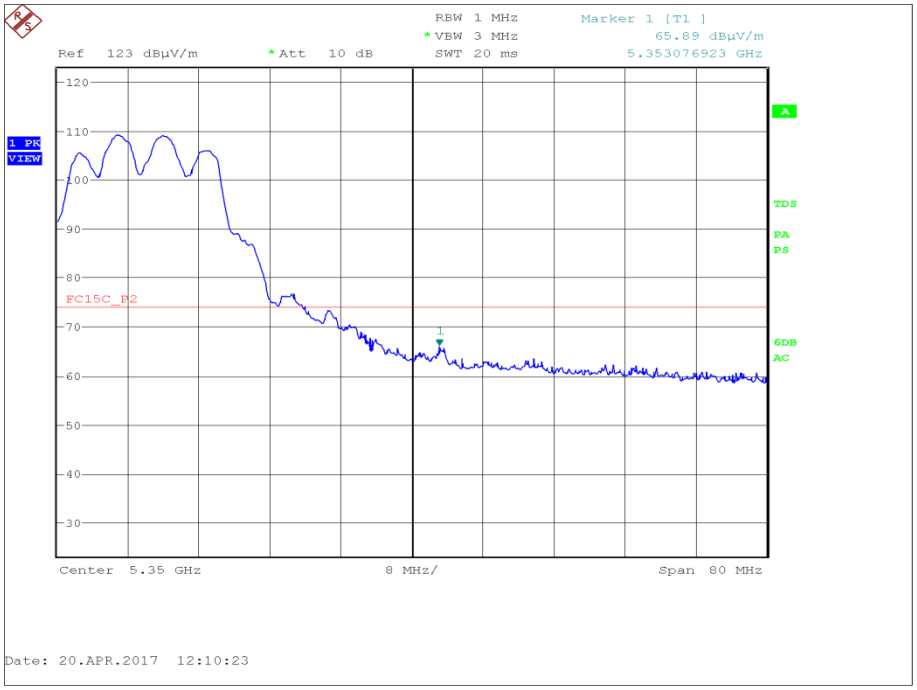

Figure 132 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

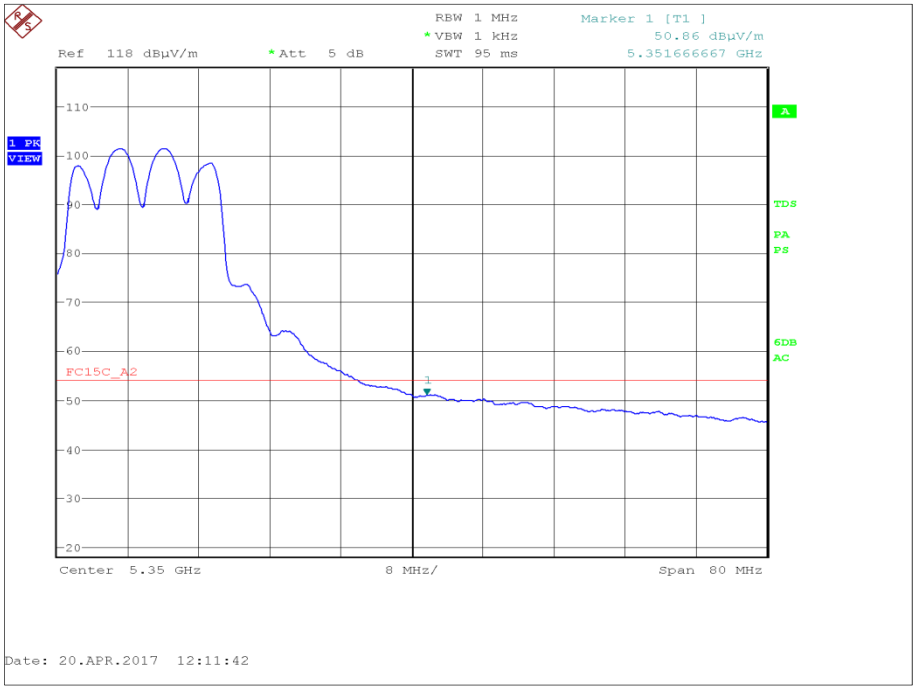

Figure 133 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

FCC 47 CFR Part 15E, Limit Clause 15.205

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Industry Canada RSS-GEN, Clause 8.9

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

802.11n (20 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS7	5180	5150	69.01	51.15
Widest Emission Bandwidth	MCS1	5180	5150	62.79	49.72

Table 124 - UNII 1 - Restricted Band Edge Results

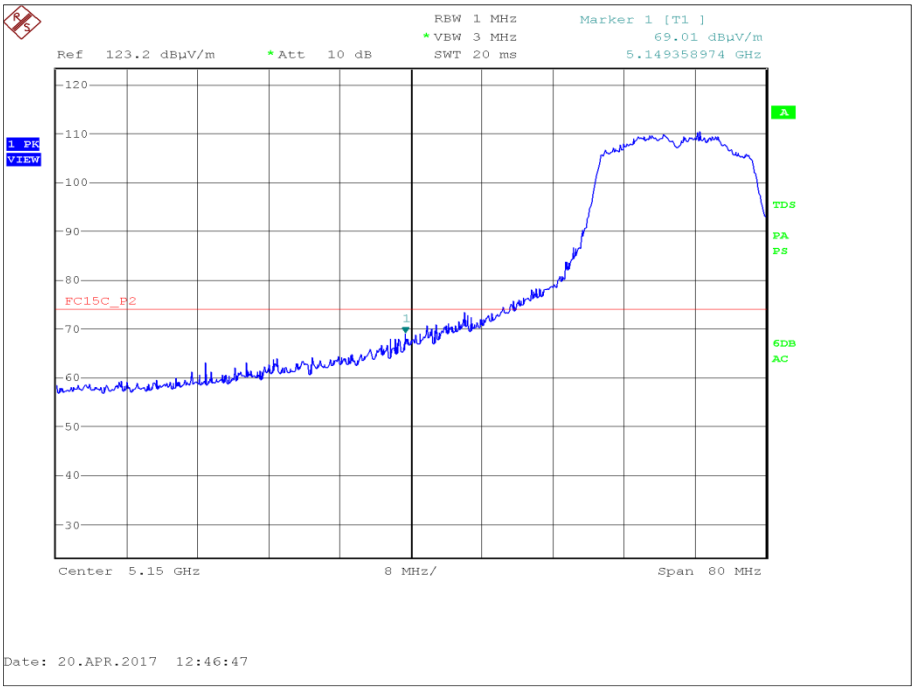

Figure 134 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

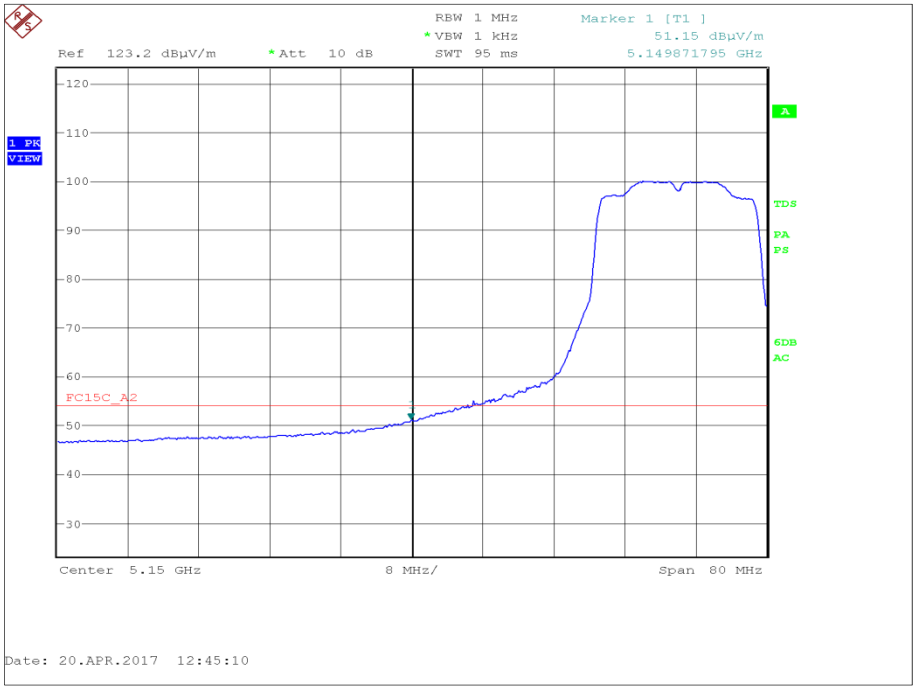

Figure 135 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

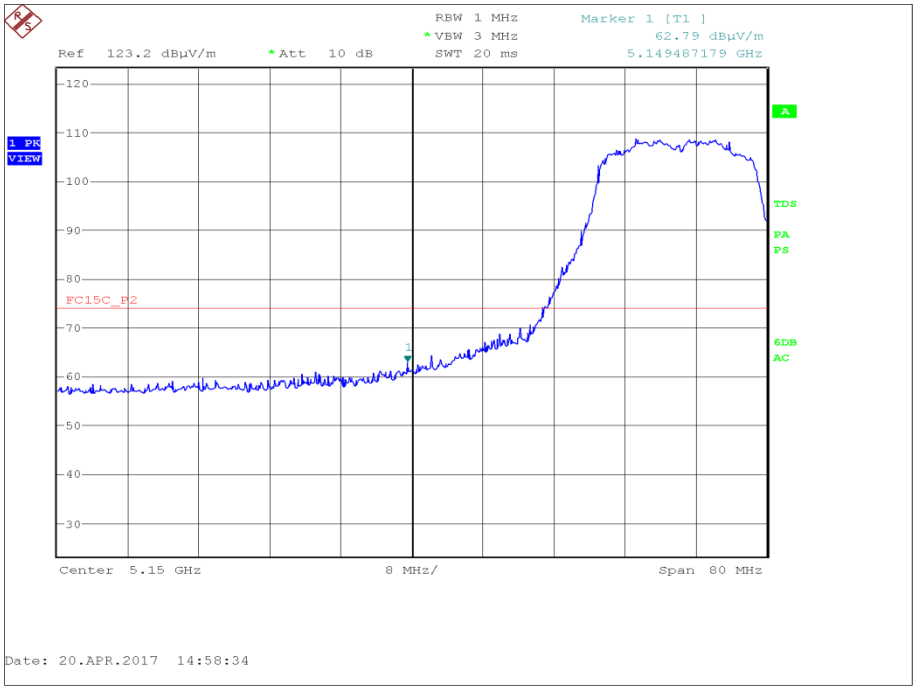

Figure 136 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

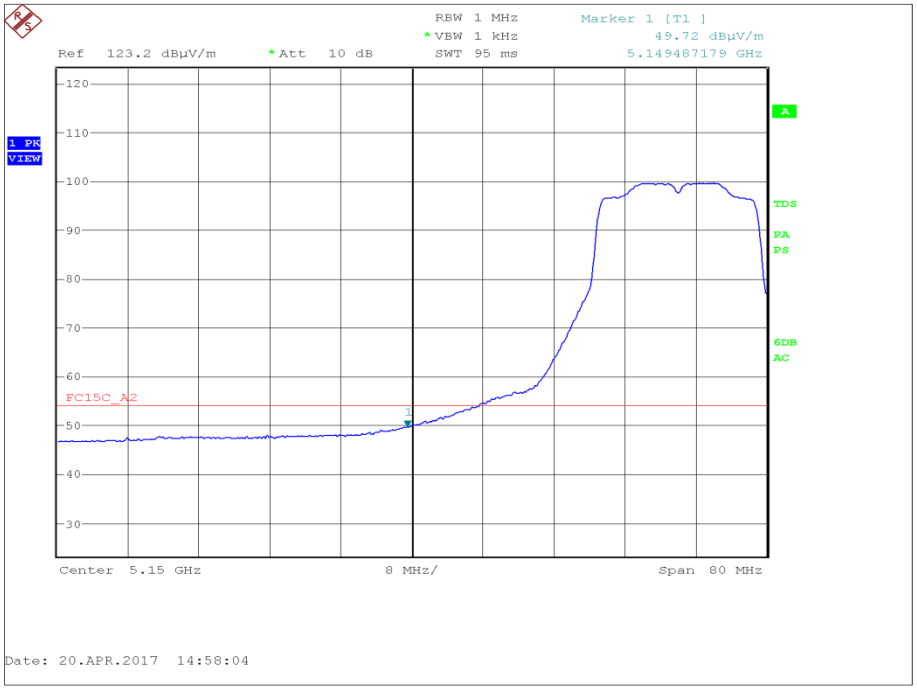

Figure 137 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS7	5180	5350	67.25	49.57
Widest Emission Bandwidth	MCS1	5180	5350	62.25	49.75

Table 125 - UNII 2a - Restricted Band Edge Results

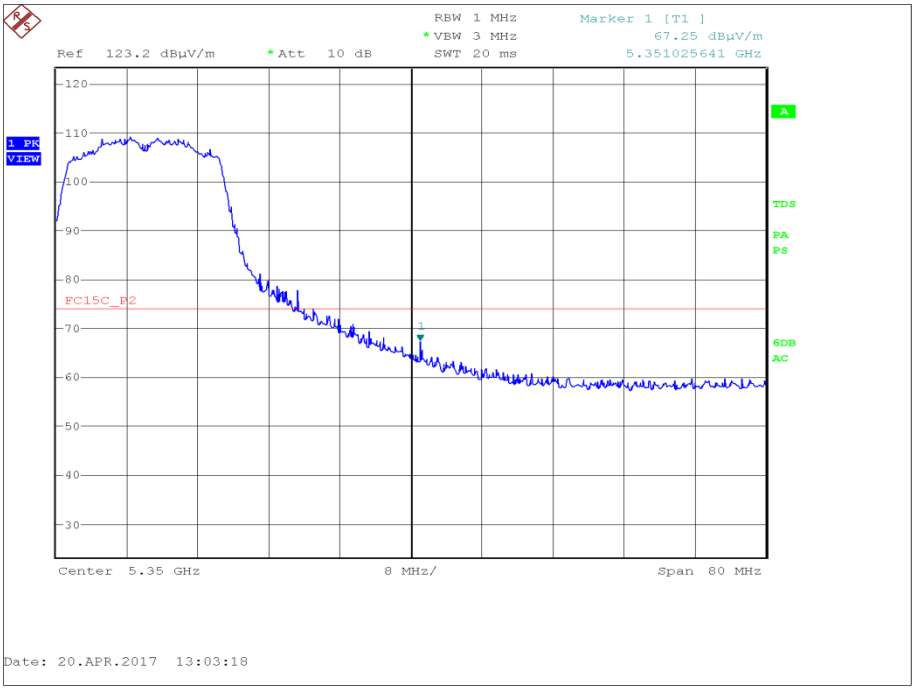

Figure 138 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

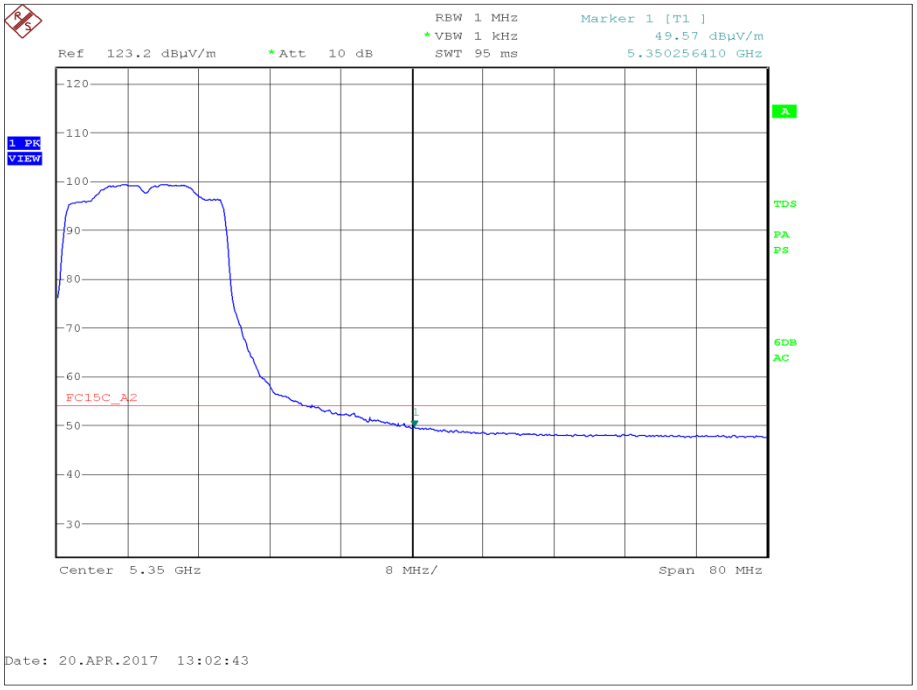

Figure 139 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

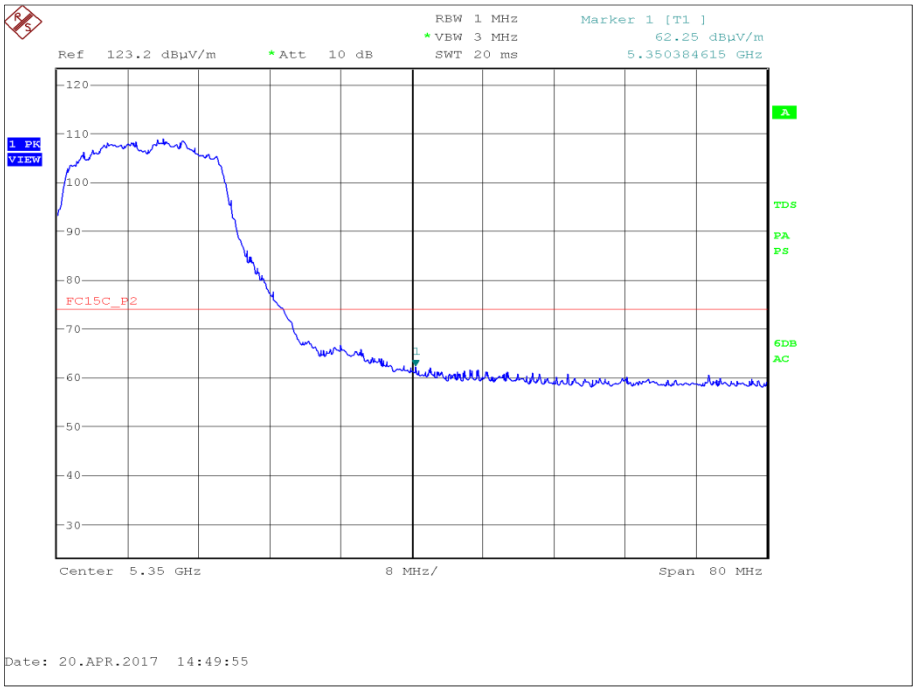

Figure 140 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

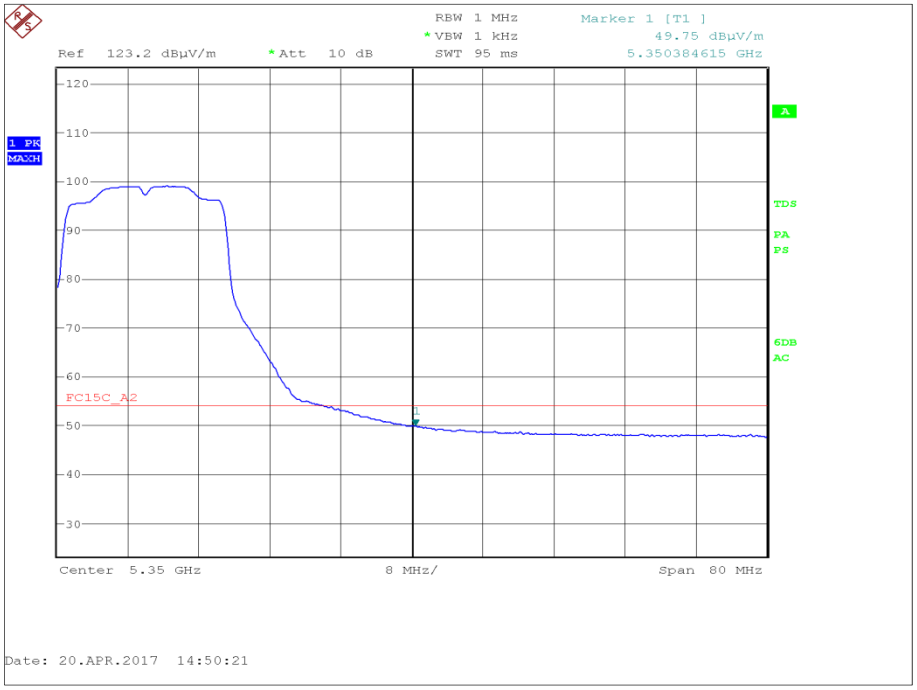

Figure 141 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS7	5180	5350	67.25	49.57
Widest Emission Bandwidth	MCS1	5180	5350	62.25	49.75

Table 126 - UNII 2c- Restricted Band Edge Results

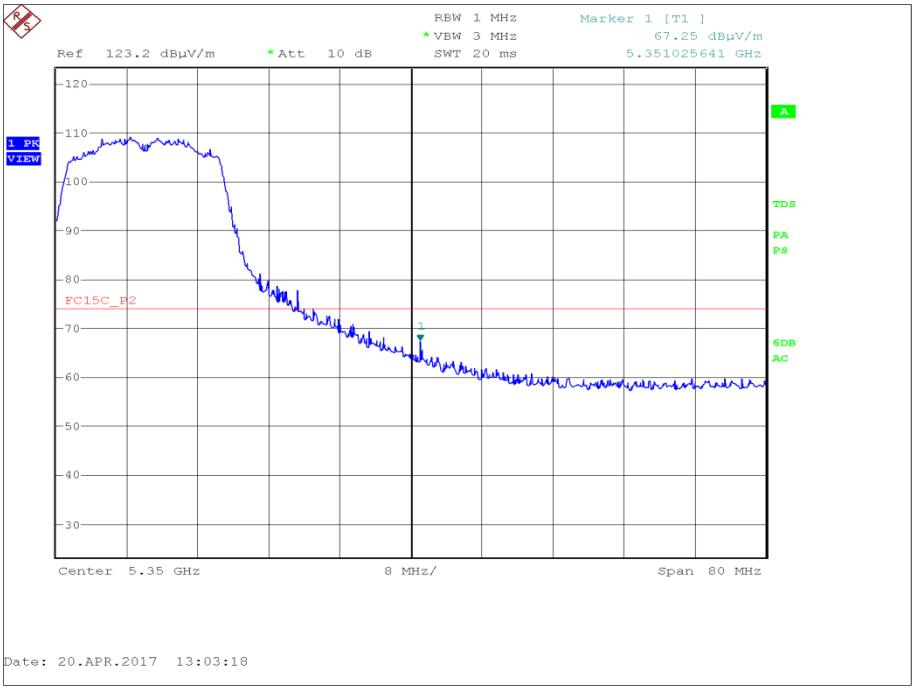

Figure 142 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

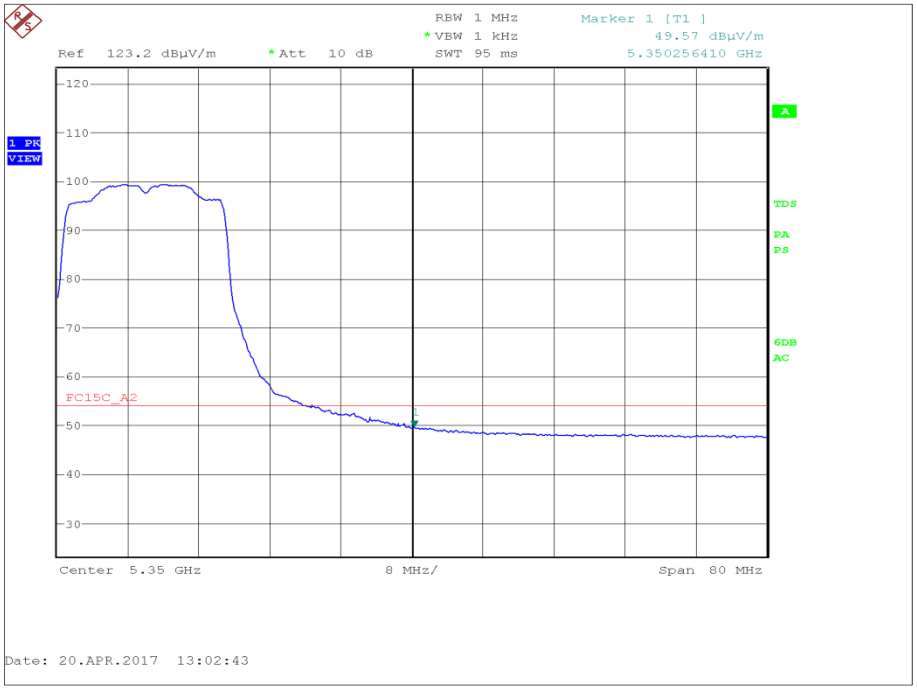

Figure 143 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

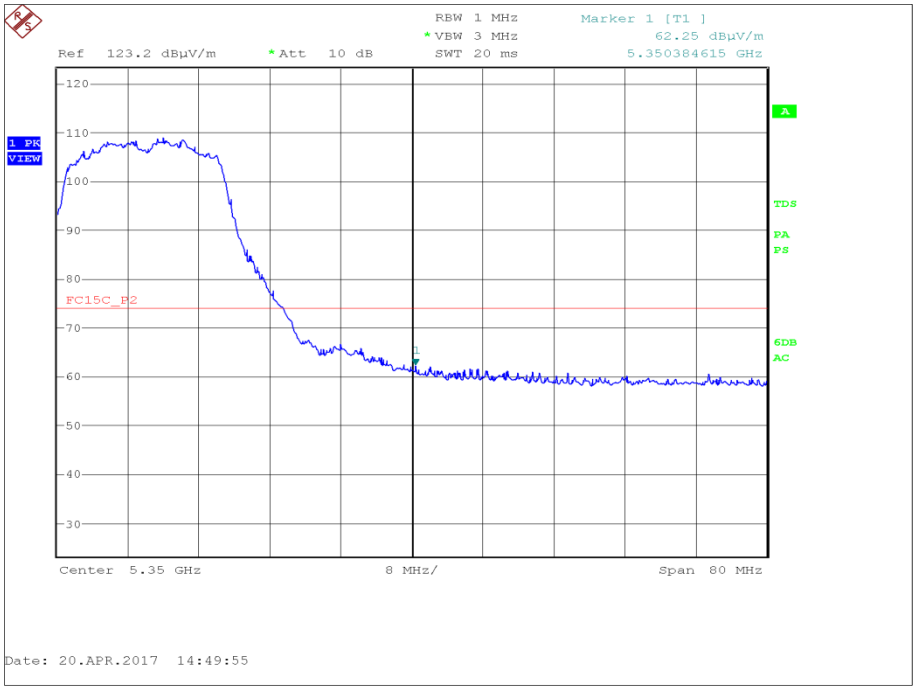

Figure 144 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

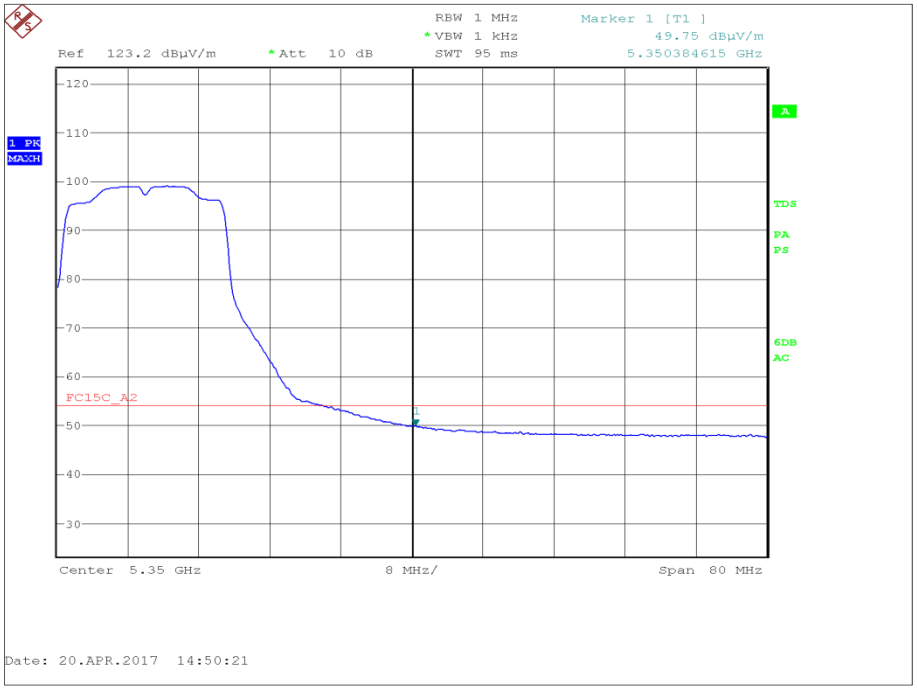

Figure 145 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

FCC 47 CFR Part 15E, Limit Clause 15.205

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Industry Canada RSS-GEN, Clause 8.9

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

802.11n (40 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5150	60.53	48.30
Widest Emission Bandwidth	MCS0	5190	5150	60.53	48.30

Table 127 - UNII 1 - Restricted Band Edge Results

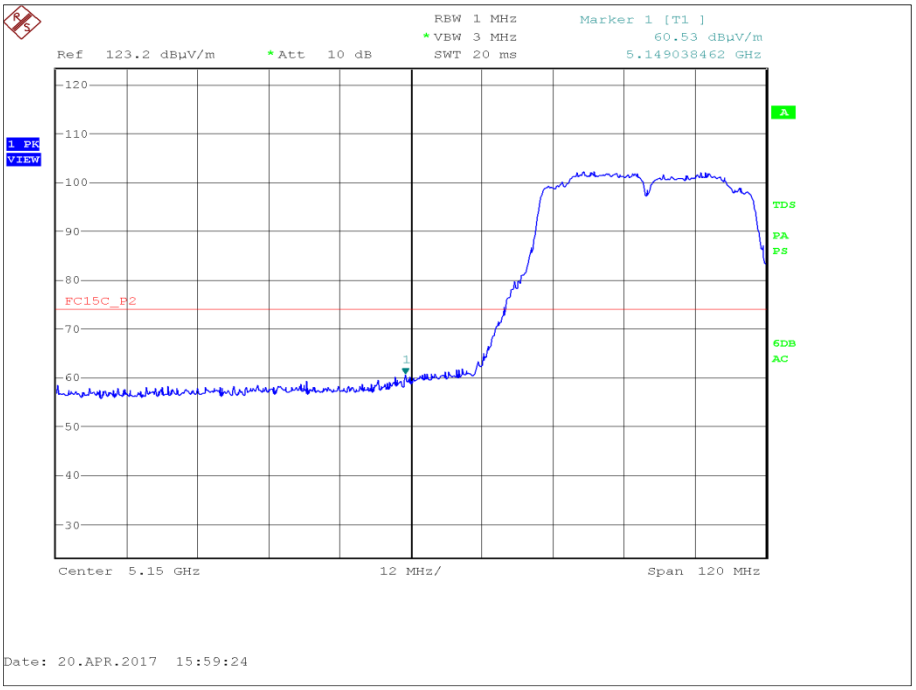

Figure 146 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

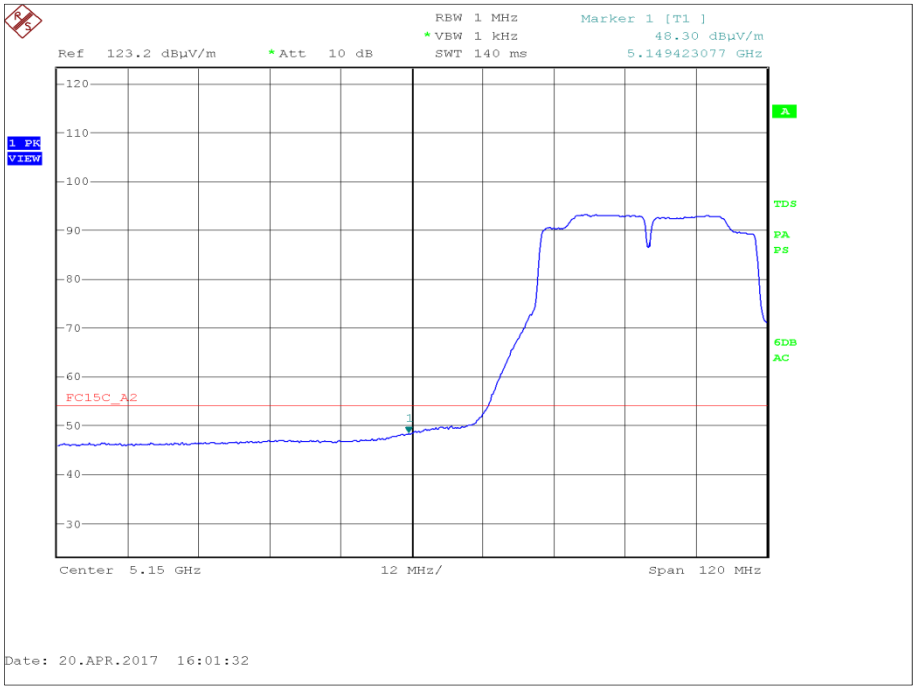

Figure 147 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	61.21	50.09
Widest Emission Bandwidth	MCS0	5190	5350	61.21	50.09

Table 128 - UNII 2a - Restricted Band Edge Results

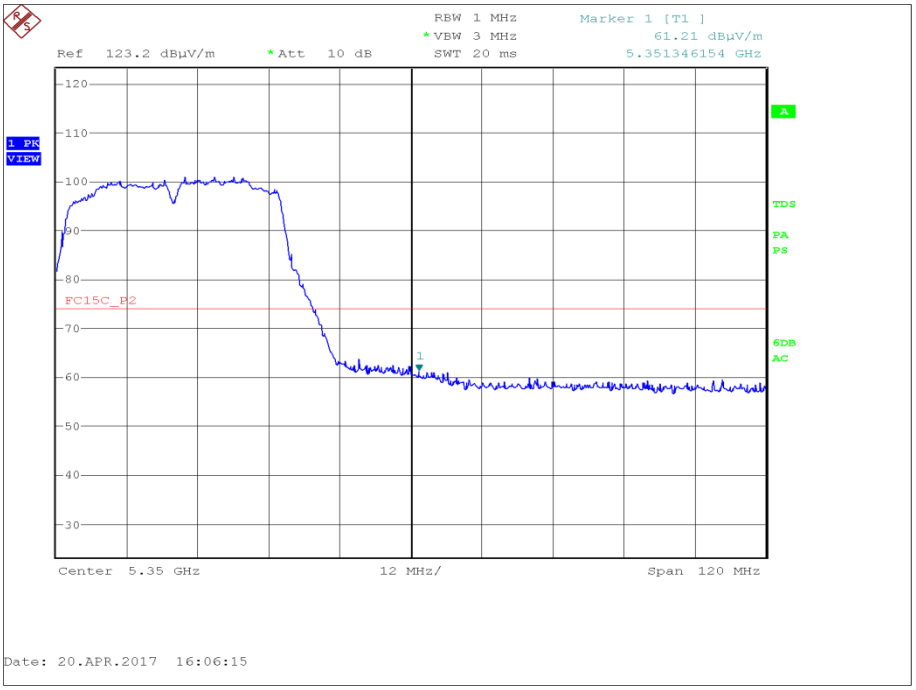

Figure 148 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

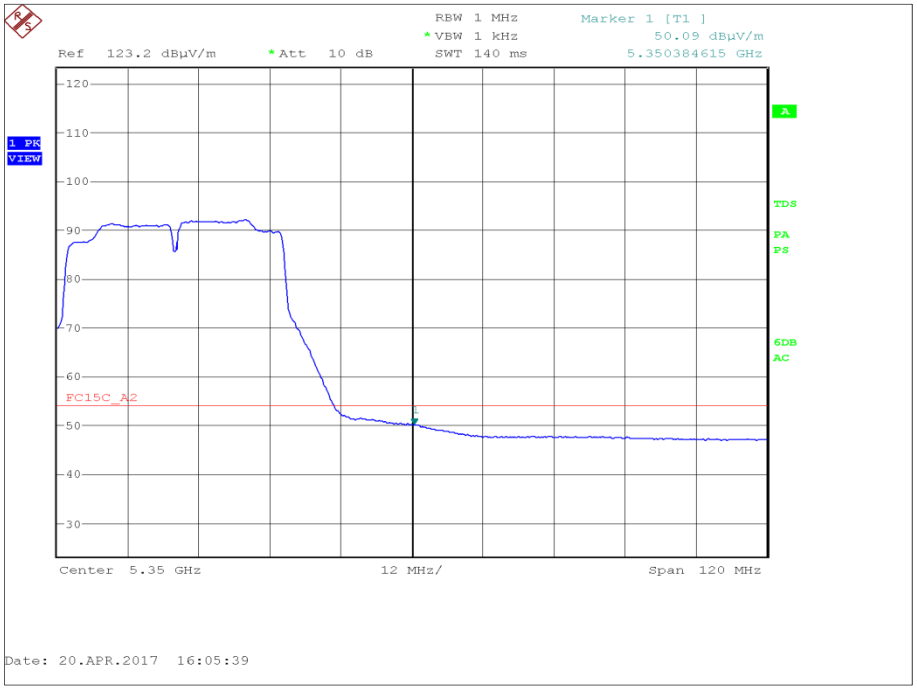

Figure 149 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	61.21	50.09
Widest Emission Bandwidth	MCS0	5190	5350	61.21	50.09

Table 129 - UNII 2c- Restricted Band Edge Results

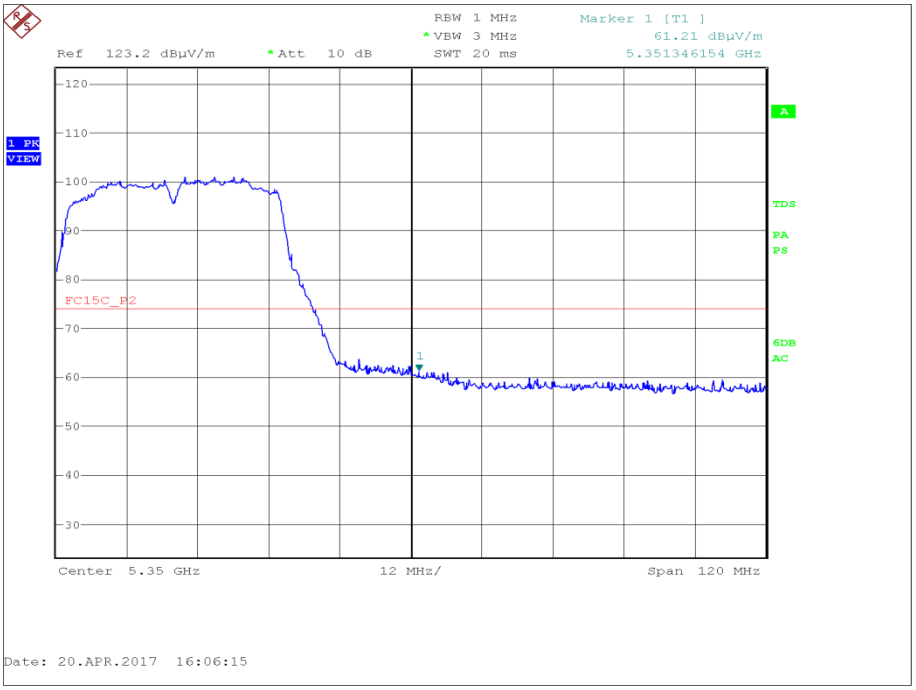

Figure 150 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

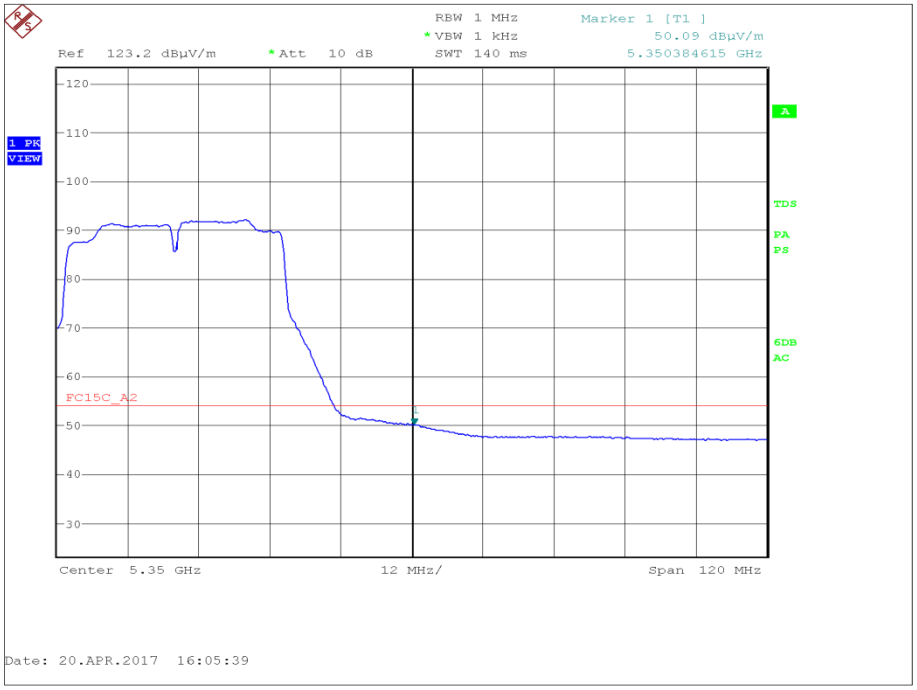

Figure 151 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

FCC 47 CFR Part 15E, Limit Clause 15.205

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Industry Canada RSS-GEN, Clause 8.9

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

802.11ac (20 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS5	5180	5150	67.49	52.22
Widest Emission Bandwidth	MCS2	5180	5150	63.70	50.82

Table 130 - UNII 1 - Restricted Band Edge Results

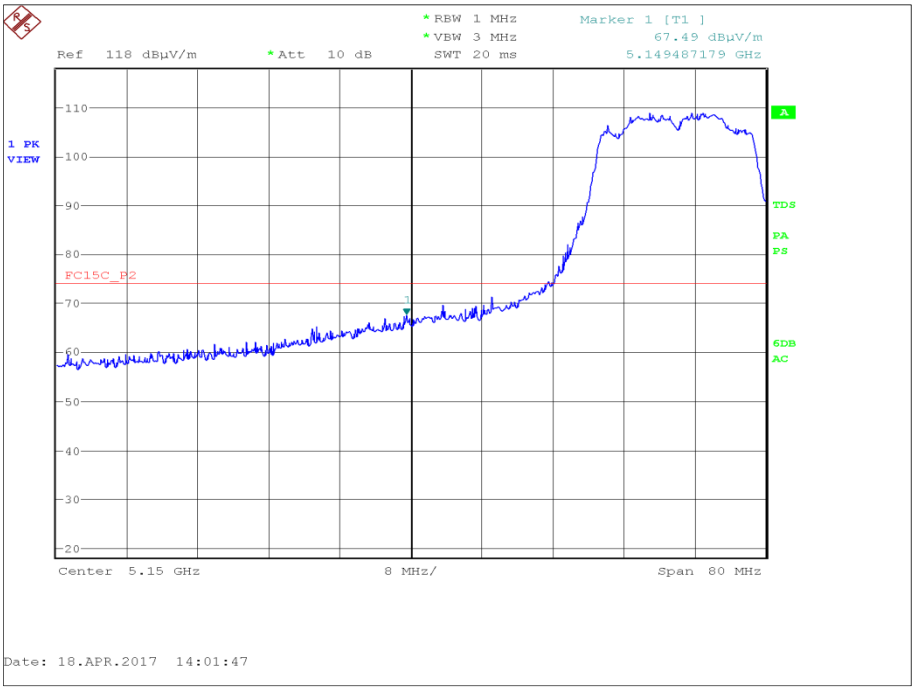

Figure 152 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

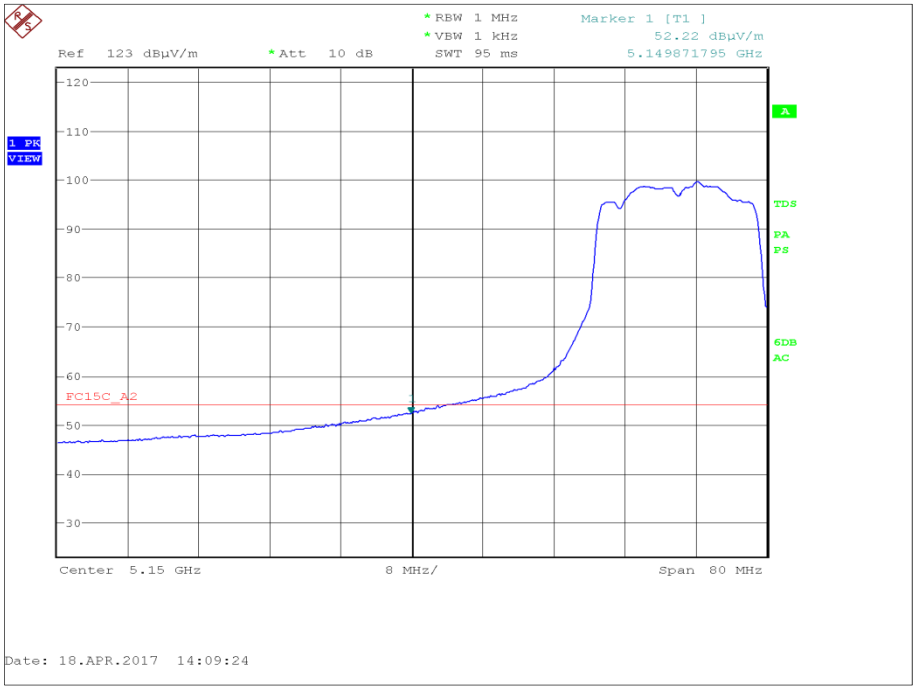

Figure 153 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

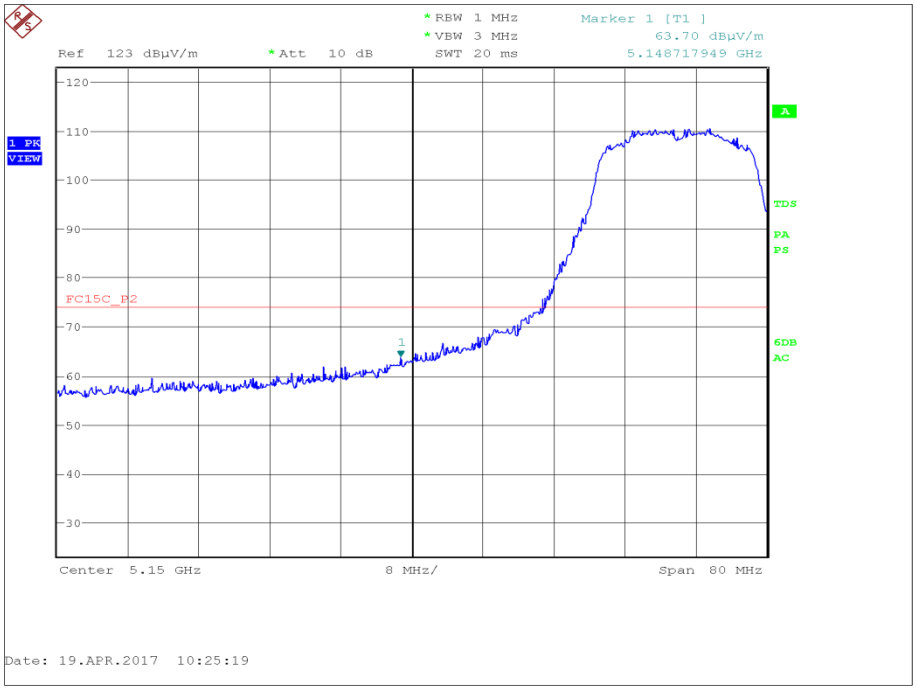

Figure 154 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

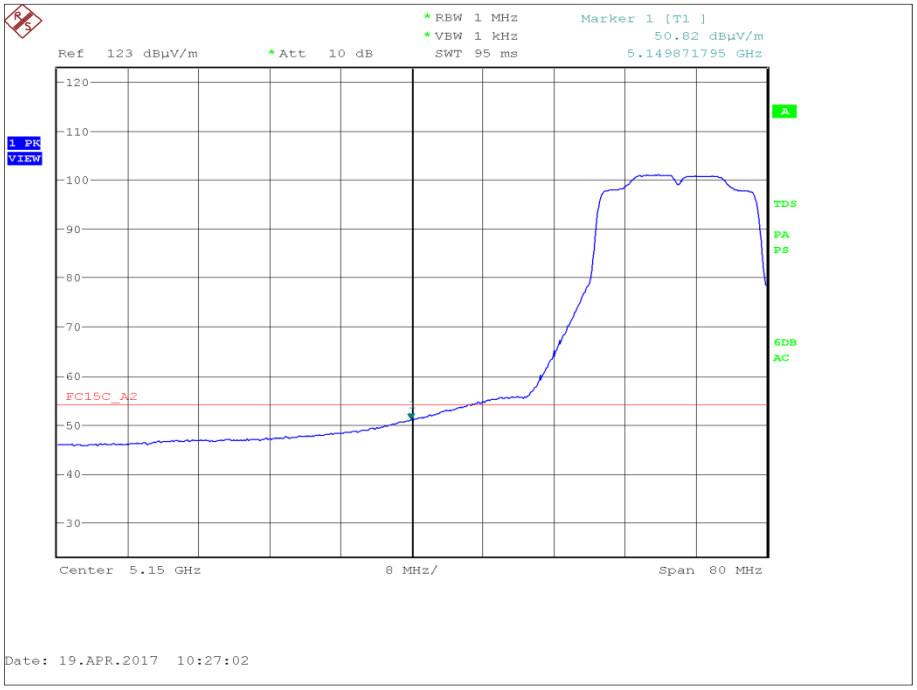

Figure 155 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS5	5180	5350	63.62	52.40
Widest Emission Bandwidth	MCS2	5180	5350	61.68	49.66

Table 131 - UNII 2a - Restricted Band Edge Results

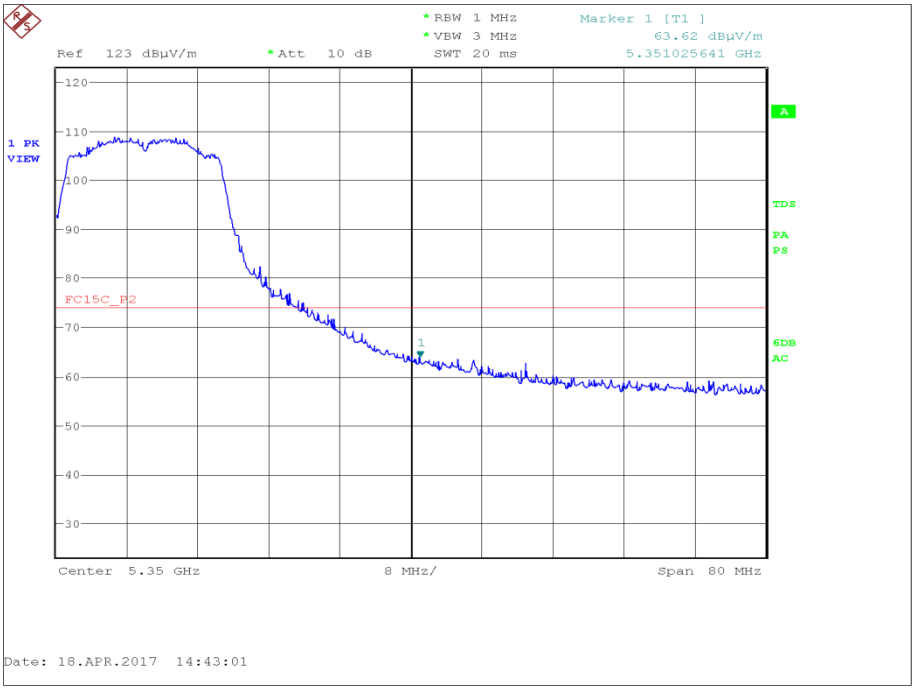

Figure 156 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

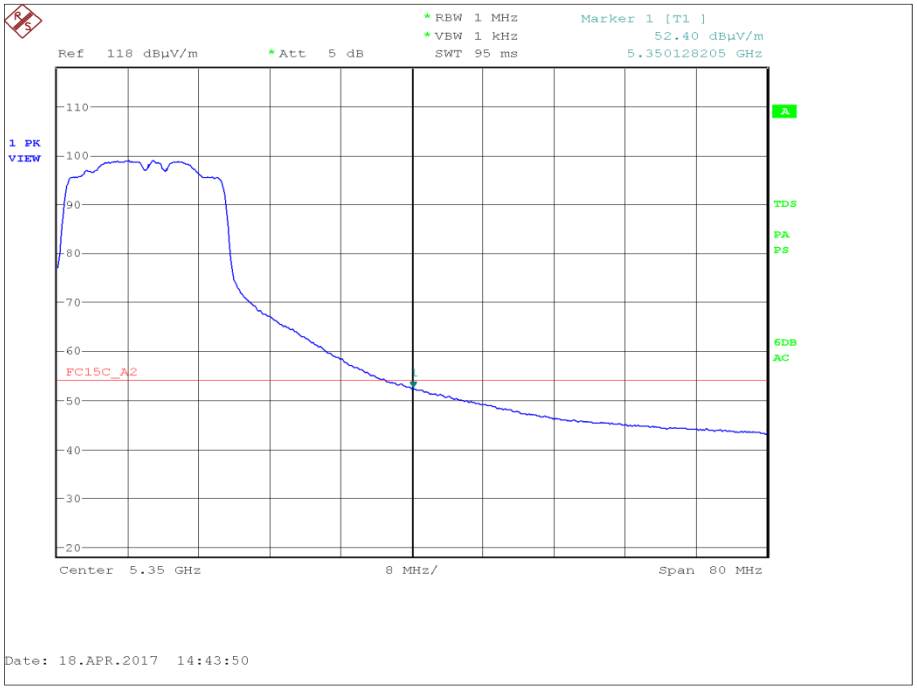

Figure 157 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

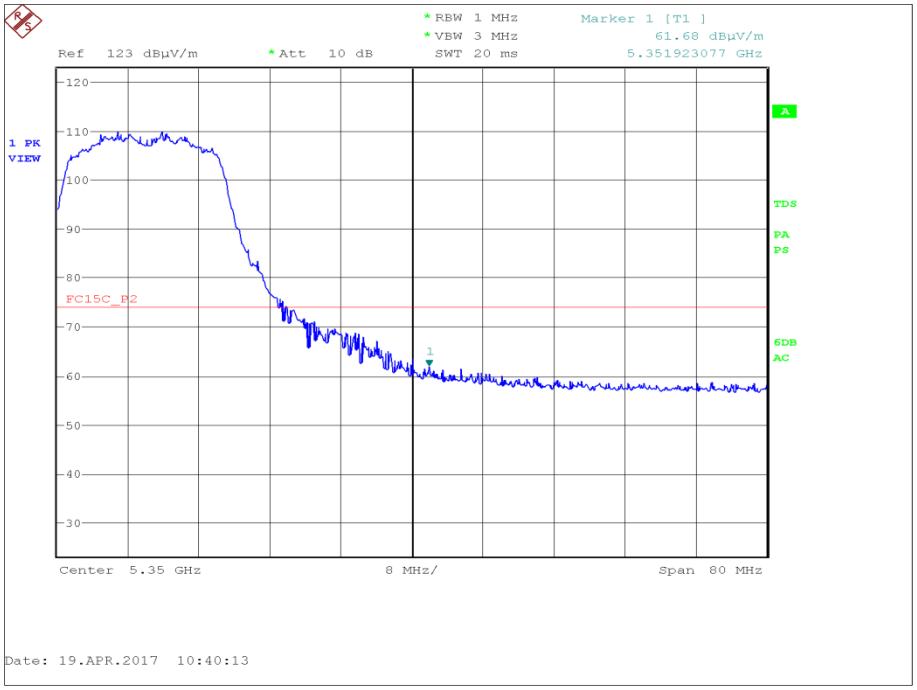

Figure 158 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

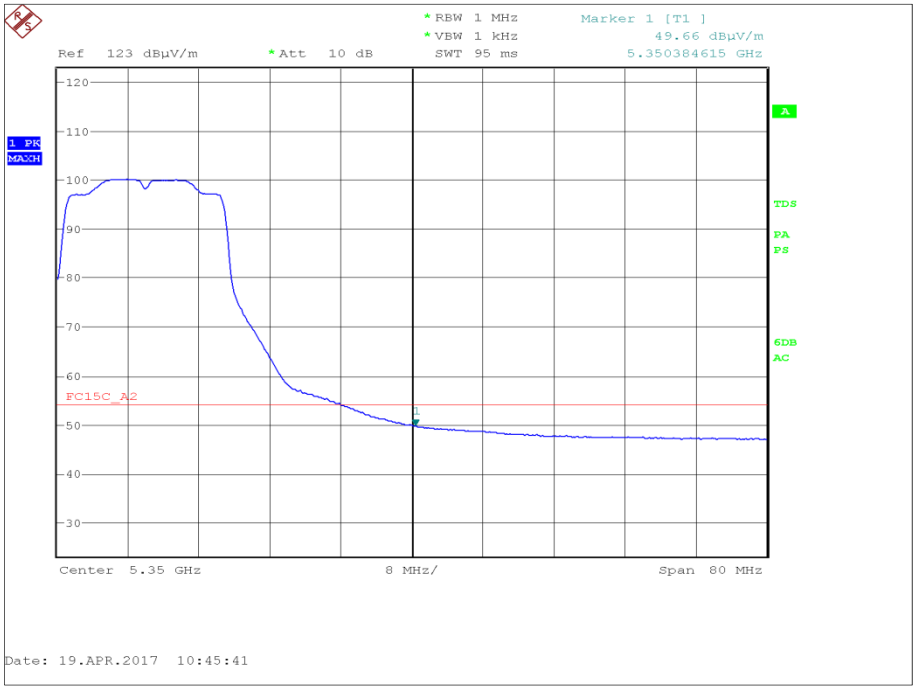

Figure 159 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS5	5180	5350	63.62	52.40
Widest Emission Bandwidth	MCS2	5180	5350	61.68	49.66

Table 132 - UNII 2c- Restricted Band Edge Results

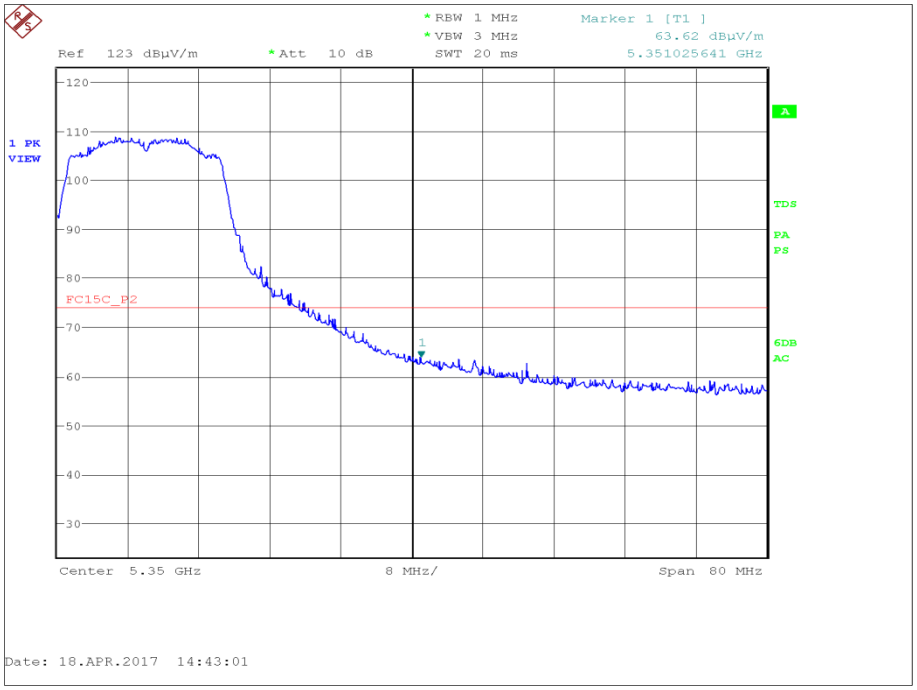

Figure 160 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

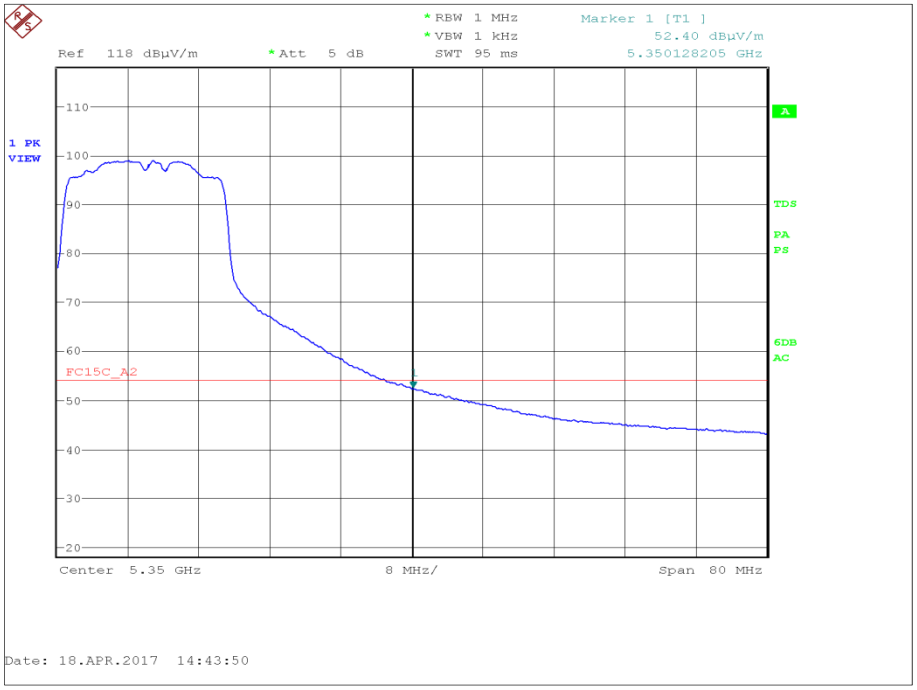

Figure 161 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

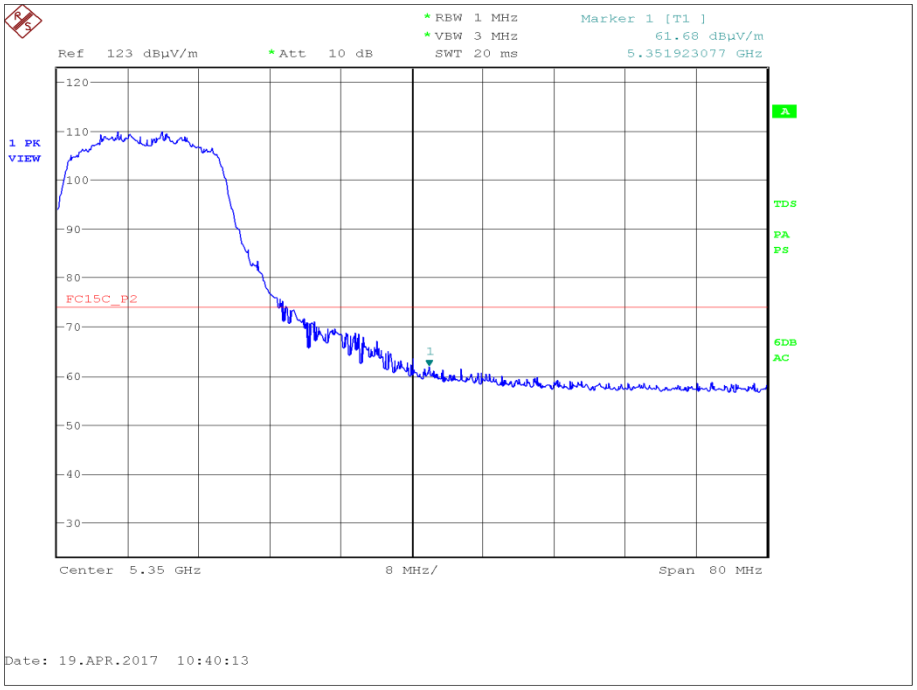

Figure 162 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

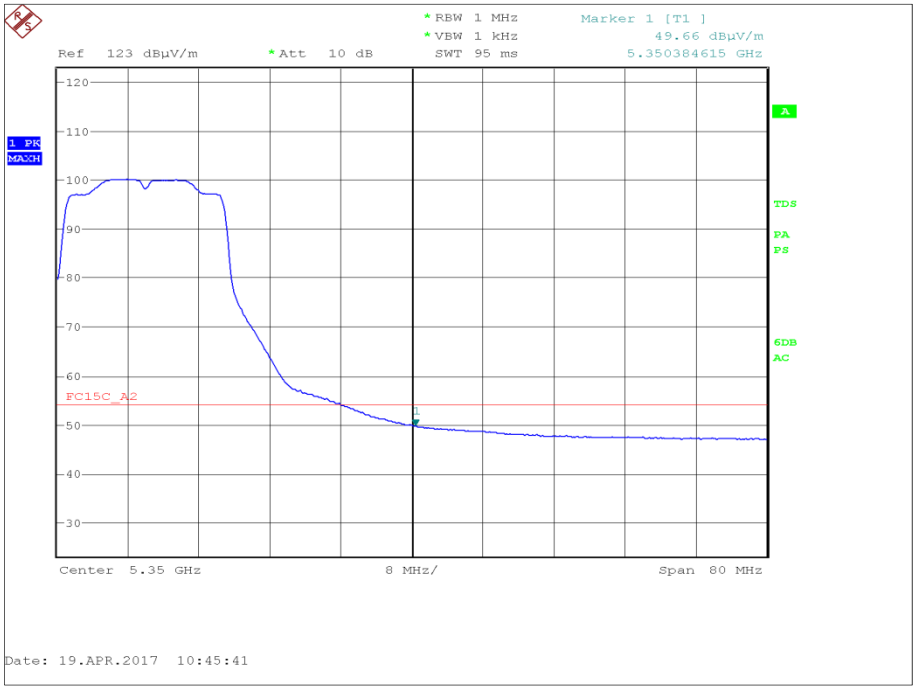

Figure 163 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

FCC 47 CFR Part 15E, Limit Clause 15.205

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Industry Canada RSS-GEN, Clause 8.9

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

802.11ac (40 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5150	58.73	46.57
Widest Emission Bandwidth	MCS0	5190	5150	58.73	46.57

Table 133 - UNII 1 - Restricted Band Edge Results

Figure 164 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

Figure 165 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	61.26	48.51
Widest Emission Bandwidth	MCS0	5190	5350	61.26	48.51

Table 134 - UNII 2a - Restricted Band Edge Results

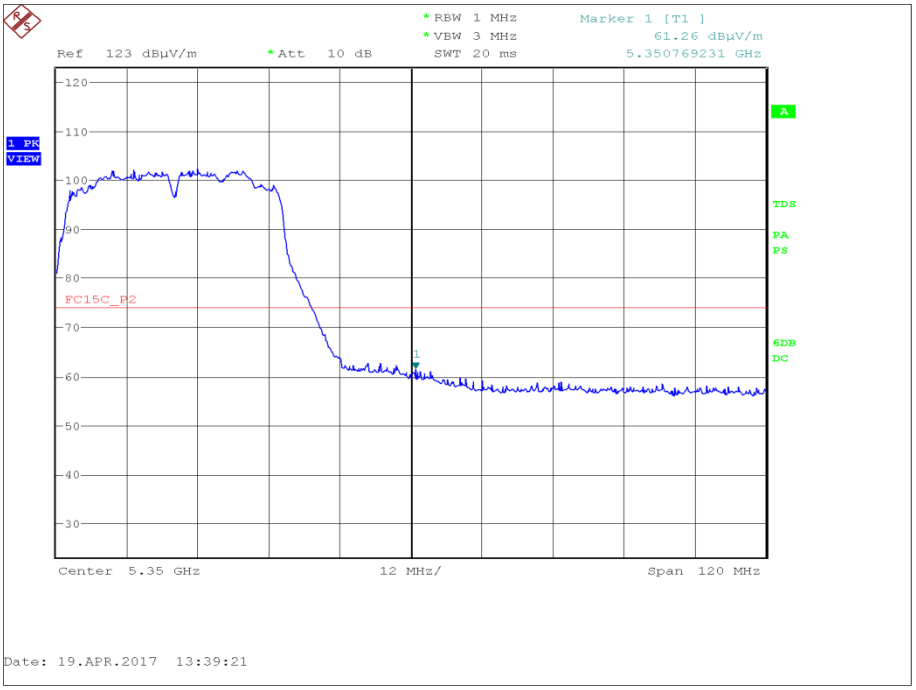

Figure 166 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

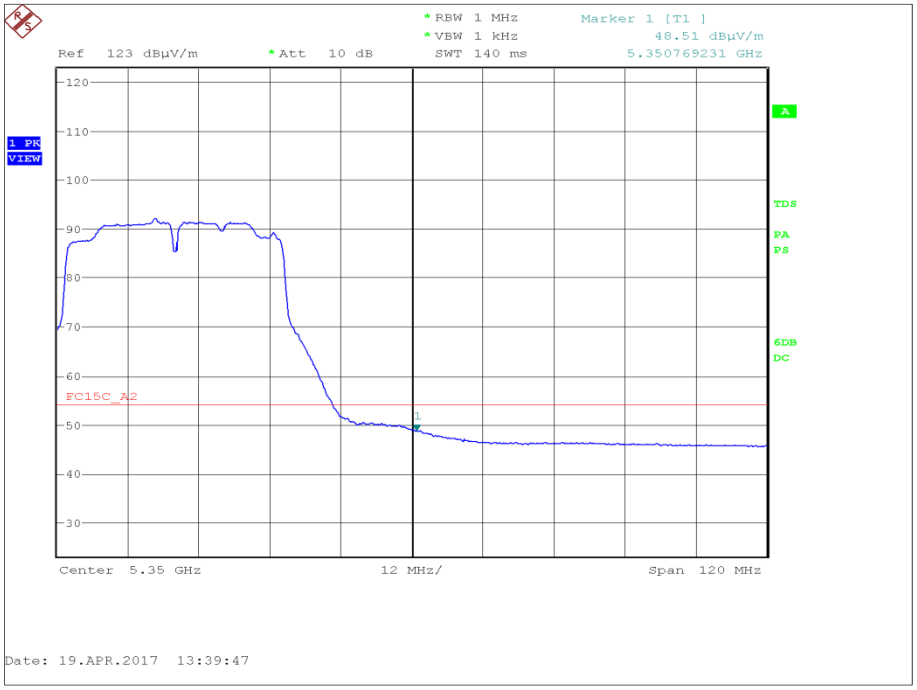

Figure 167 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	61.26	48.51
Widest Emission Bandwidth	MCS0	5190	5350	61.26	48.51

Table 135 - UNII 2c- Restricted Band Edge Results

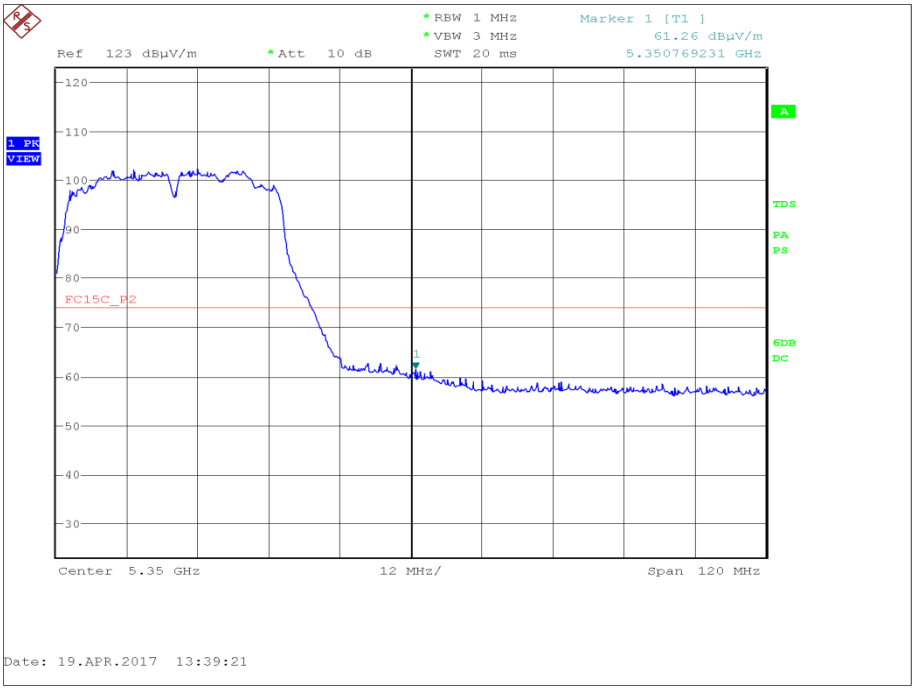

Figure 168 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

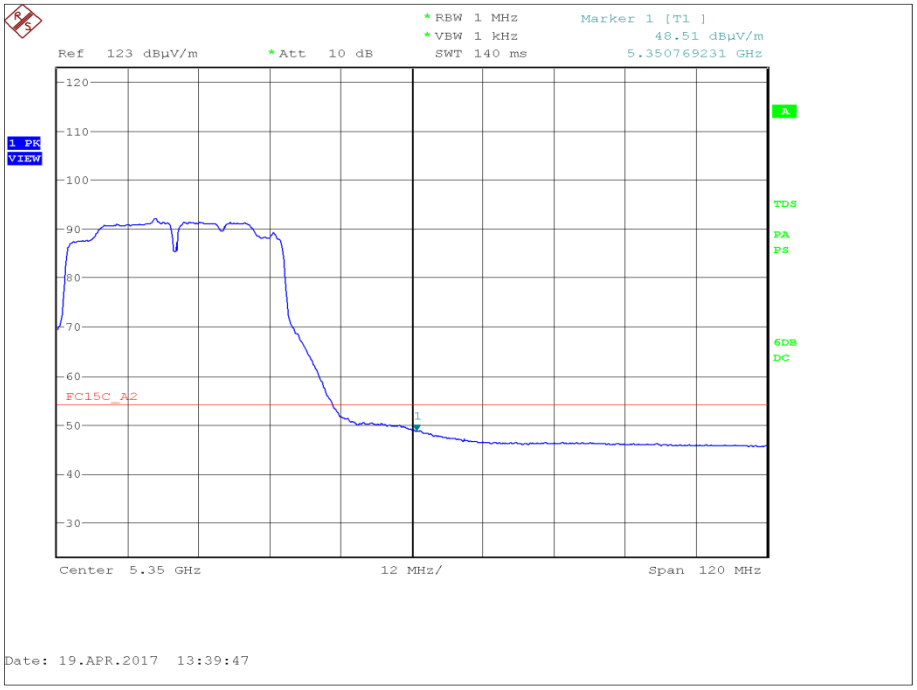

Figure 169 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

FCC 47 CFR Part 15E, Limit Clause 15.205

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Industry Canada RSS-GEN, Clause 8.9

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

802.11ac (80 MHz Bandwidth)

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5210	5150	60.81	47.79
Widest Emission Bandwidth	MCS1	5210	5150	60.36	48.89

Table 136 - UNII 1 - Restricted Band Edge Results

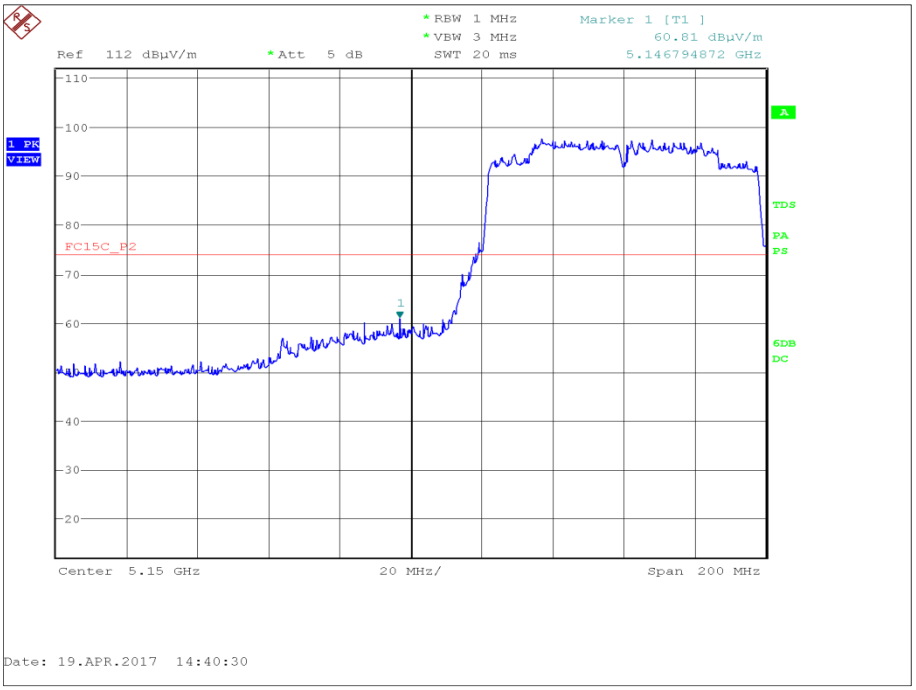

Figure 170 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

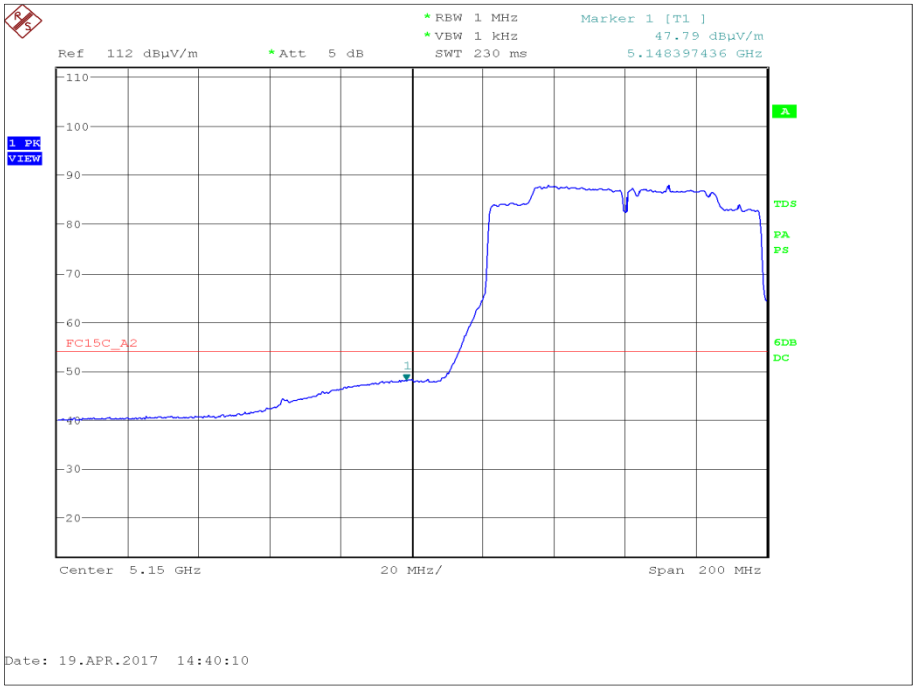

Figure 171 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

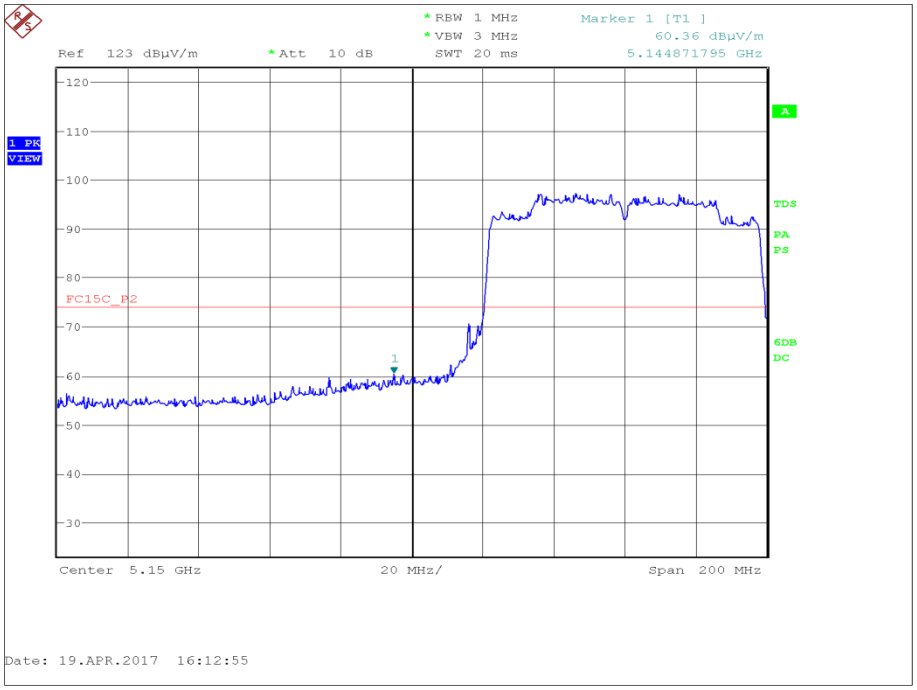

Figure 172 - U-NII 1 - Restricted Band Edge at 5150 MHz - Peak

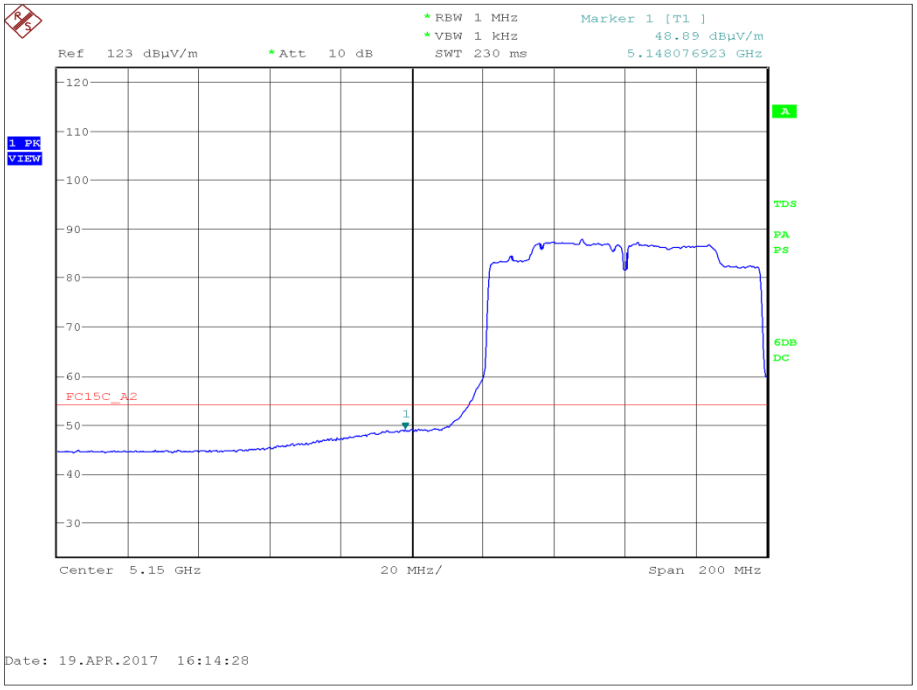

Figure 173 - U-NII 1 - Restricted Band Edge at 5150 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5210	5350	59.68	47.93
Widest Emission Bandwidth	MCS1	5210	5350	60.75	49.61

Table 137 - UNII 2a - Restricted Band Edge Results

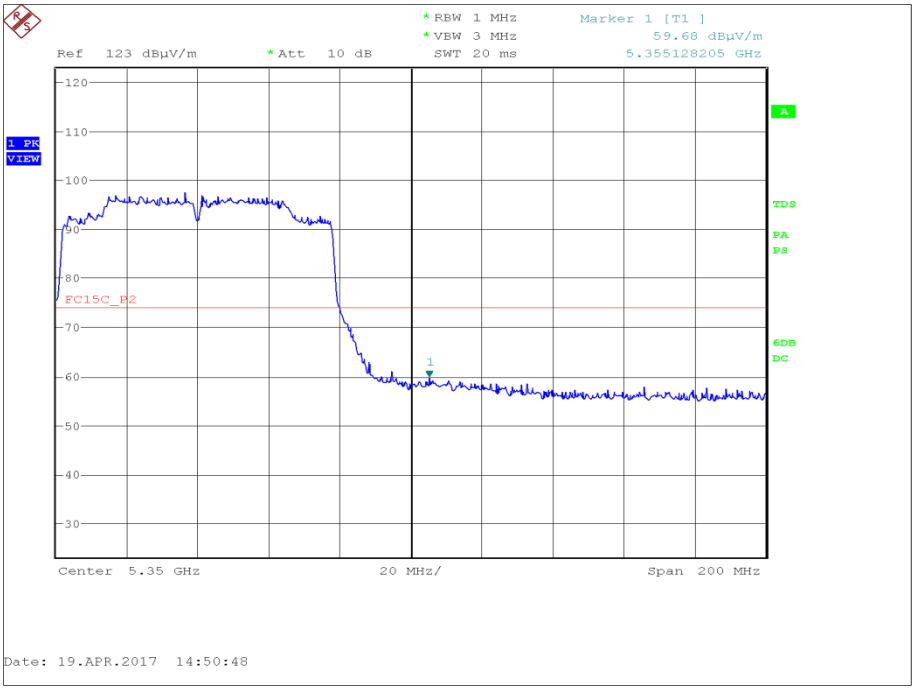

Figure 174 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

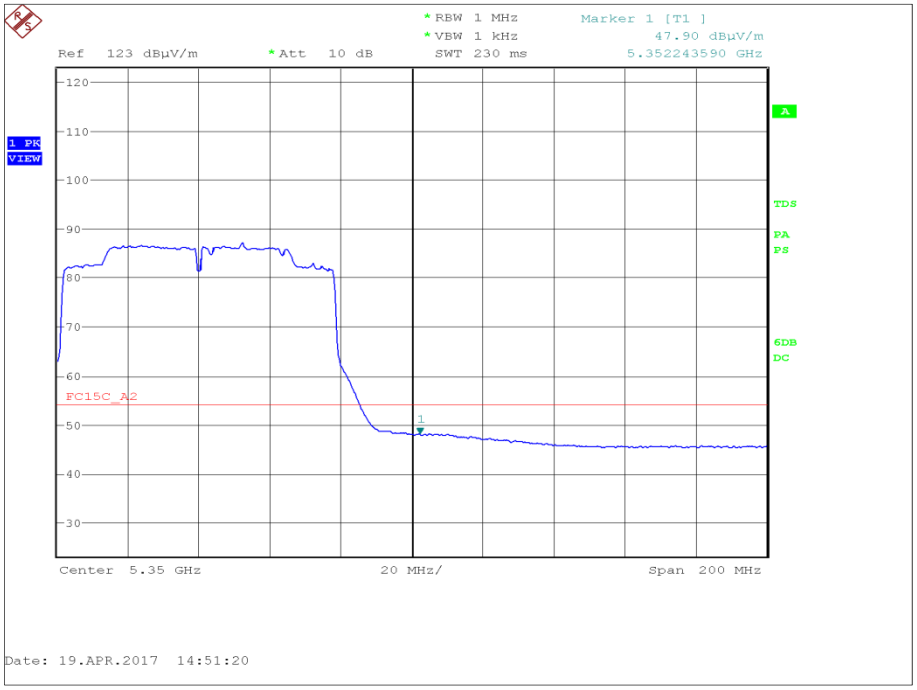

Figure 175 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

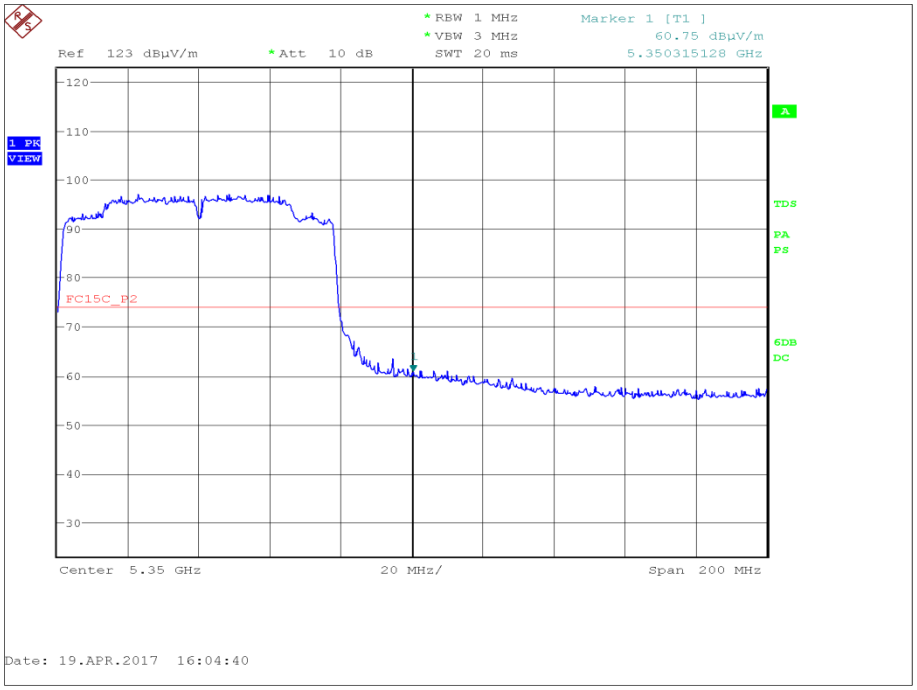

Figure 176 - U-NII 2a - Restricted Band Edge at 5350 MHz - Peak

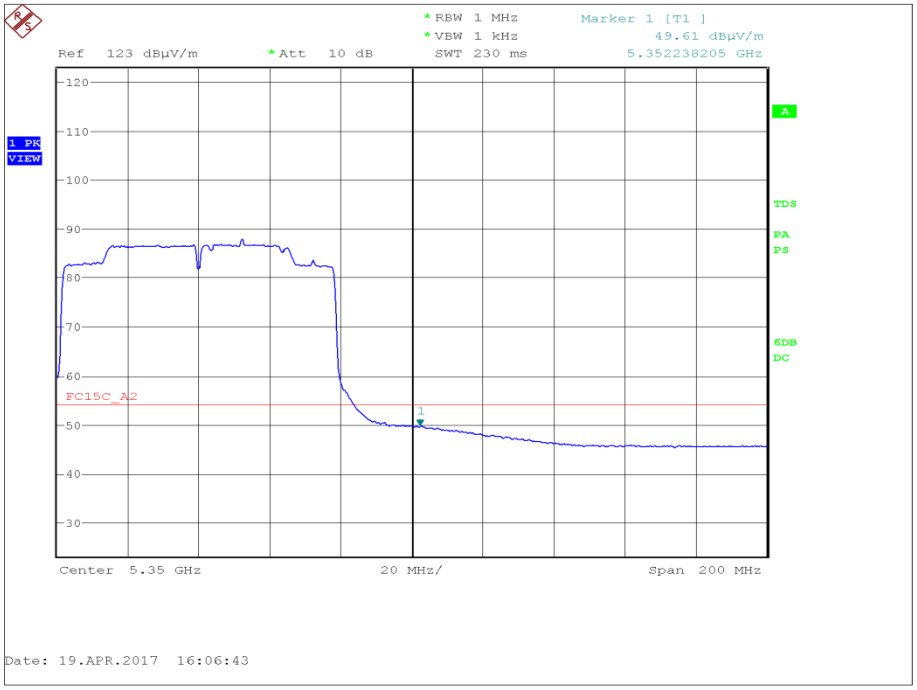

Figure 177 - U-NII 2a - Restricted Band Edge at 5350 MHz - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5210	5350	59.68	47.93
Widest Emission Bandwidth	MCS1	5210	5350	60.75	49.61

Table 138 - UNII 2c- Restricted Band Edge Results

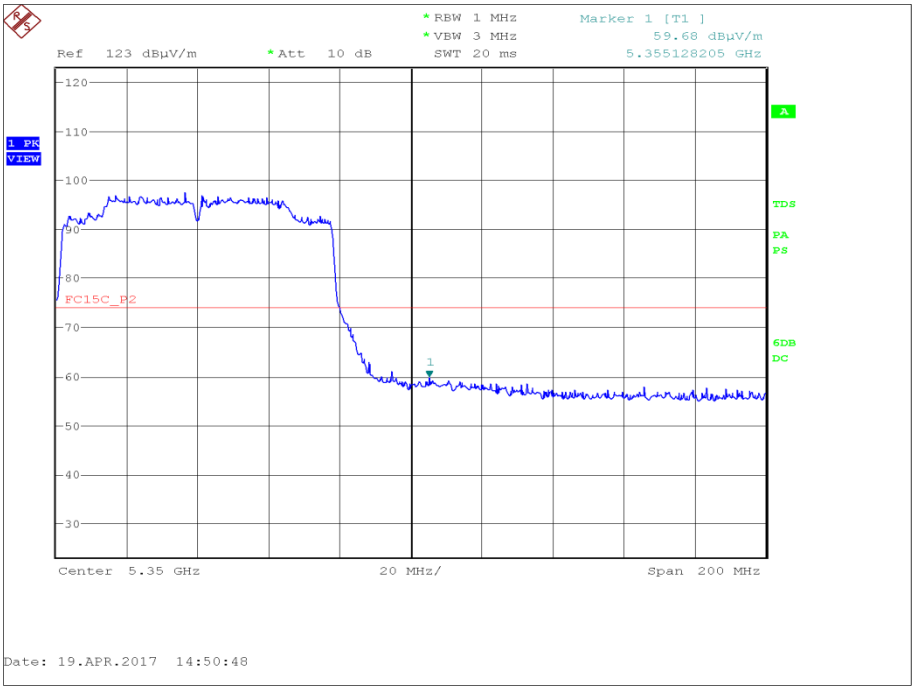

Figure 178 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

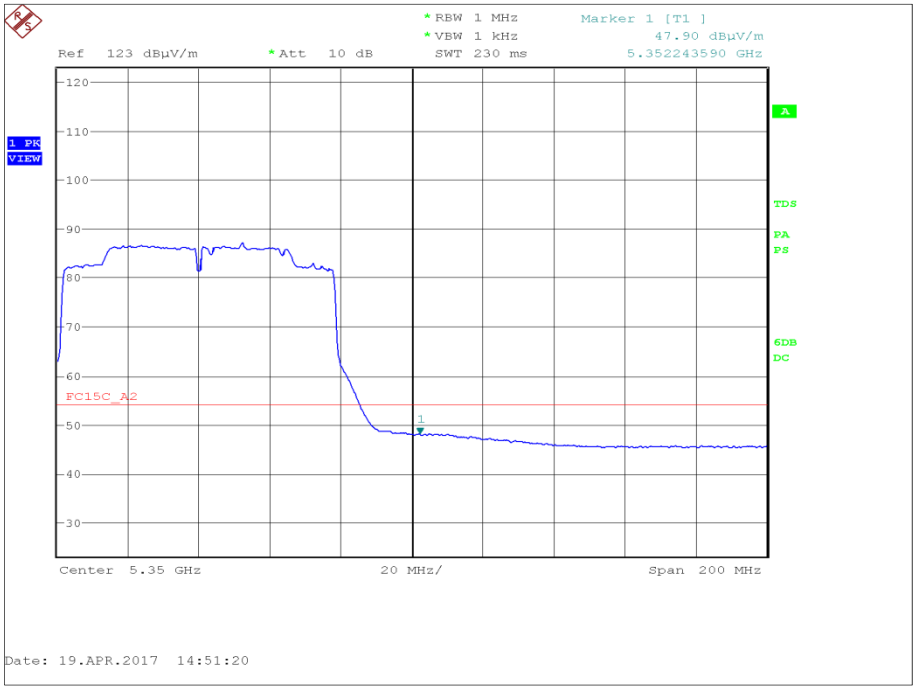

Figure 179 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

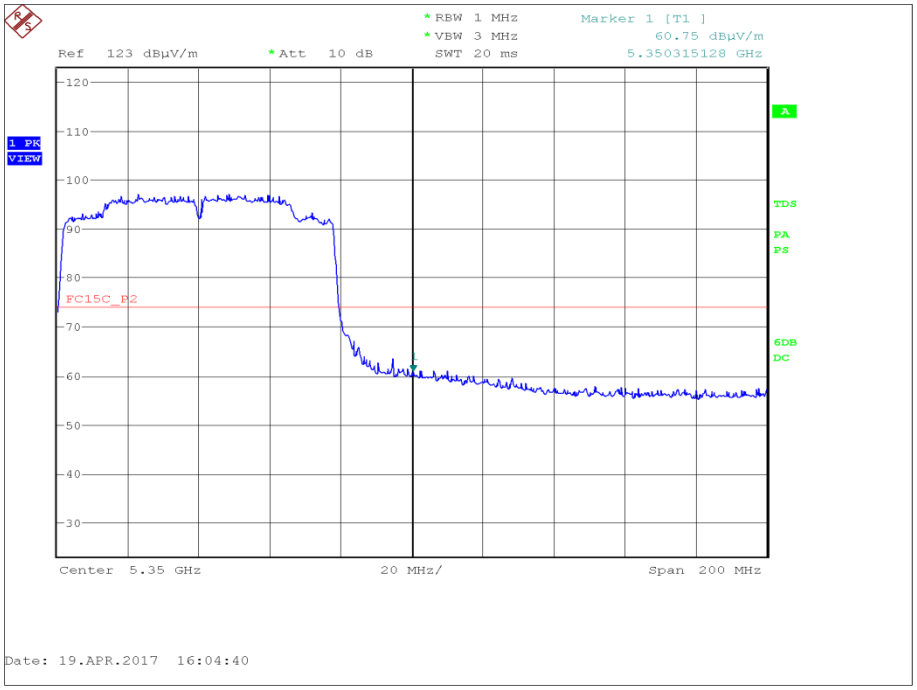

Figure 180 - U-NII 2c - Restricted Band Edge at 5350 MHz - Peak

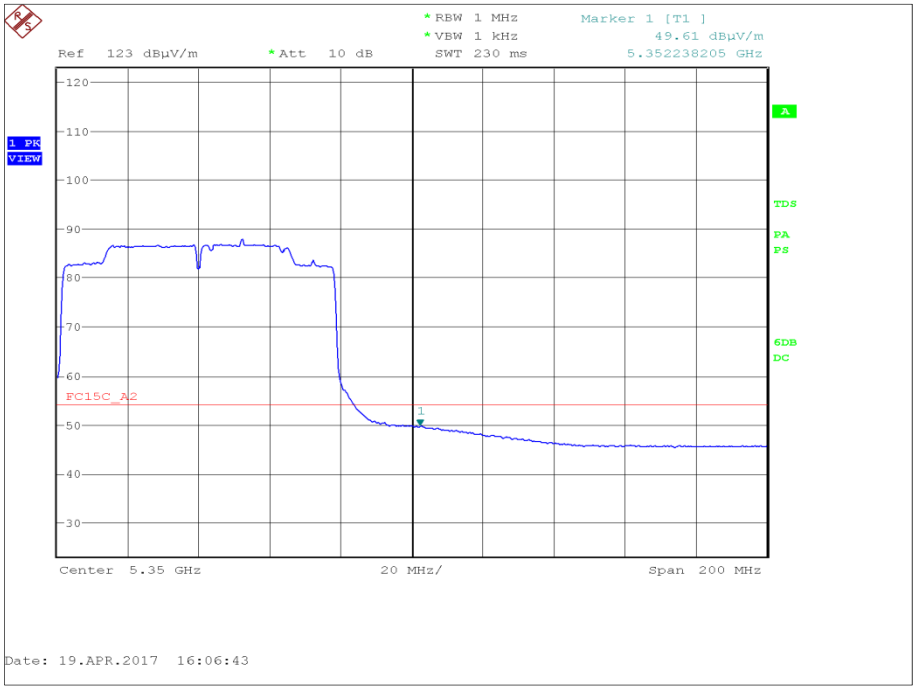

Figure 181 - U-NII 2c - Restricted Band Edge at 5350 MHz - Average

FCC 47 CFR Part 15E, Limit Clause 15.205

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

Industry Canada RSS-GEN, Clause 8.9

	Peak (dBµV/m)	Average (dBµV/m)
Restricted Bands of Operation	74	54

2.6.7 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 5.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Screened Room (5)	Rainford	Rainford	1545	36	20-Dec-2017
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Hygromer	Rotronic	A1	2138	12	2-Feb-2018
Cable (N-N, 8m)	Rhophase	NPS-2302-8000-NPS	3248	12	O/P Mon
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	12-Nov-2017
Tilt Antenna Mast	maturo Gmbh	TAM 4.0-P	3916	-	TU
Mast Controller	maturo Gmbh	NCD	3917	-	TU
Cable (Yellow, Rx, Km-Km 2m)	Scott Cables	KPS-1501-2000-KPS	4527	-	O/P Mon
Double Ridge Broadband Horn Antenna	Schwarzbeck	BBHA 9120 B	4848	12	17-Feb-2018

Table 139

TU - Traceability Unscheduled
O/P Mon – Output Monitored using calibrated equipment