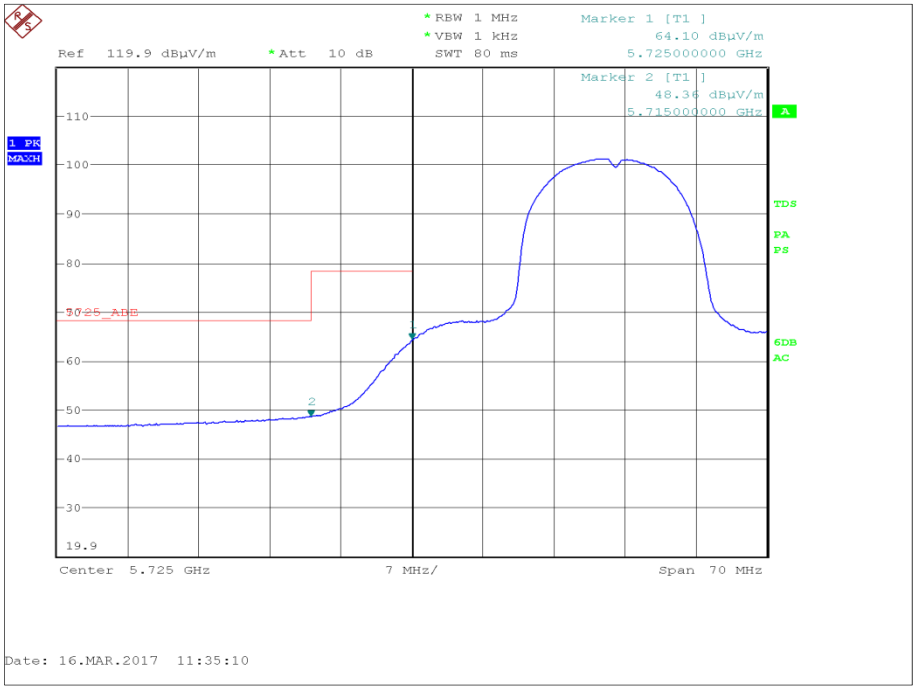

Figure 91 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

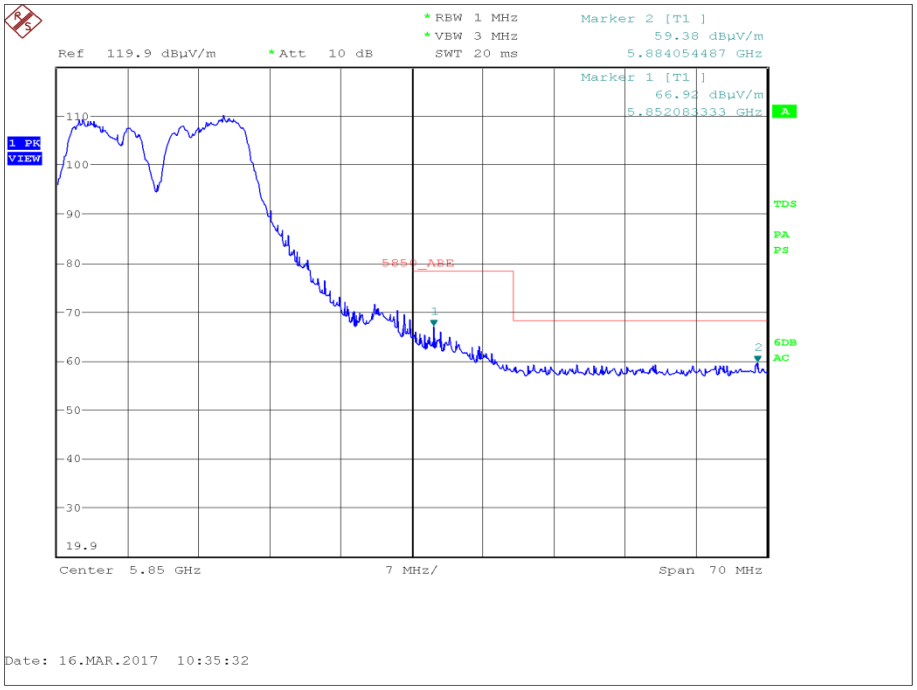

Figure 92 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

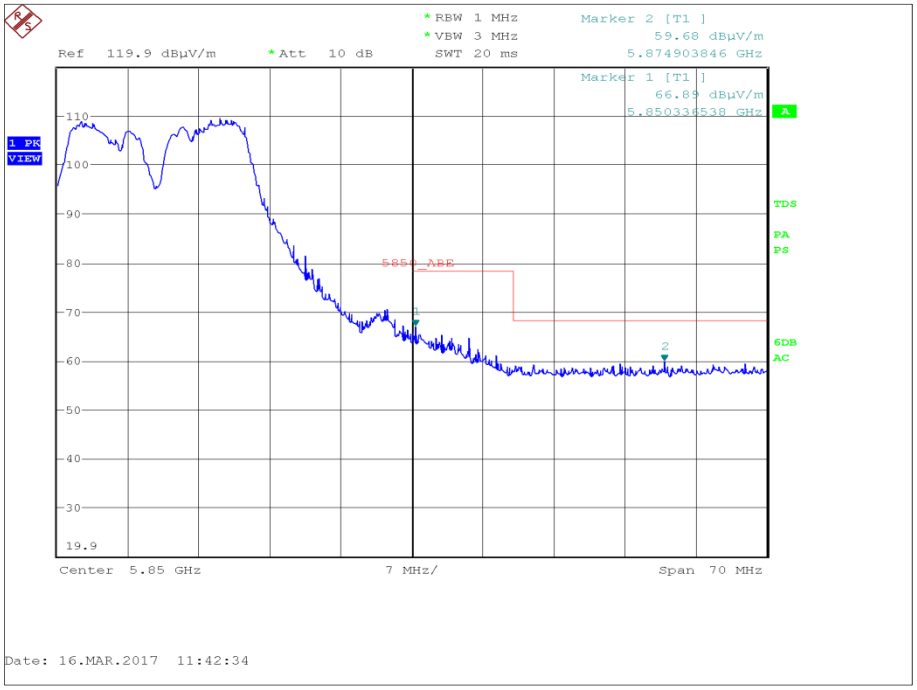

Figure 93 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407(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 shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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.

ANT793-8DK + 10m Cable - 802.11n 20 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5180	5150	53.03
Widest Emission Bandwidth	MCS3	5180	5150	53.47

Table 150 - UNII 1 - Authorised Band Edge Results

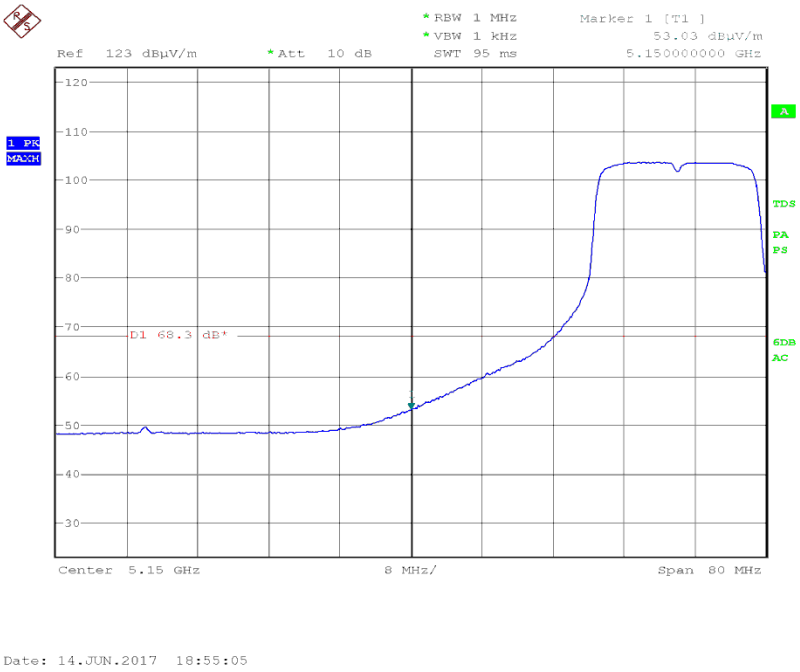

Figure 94 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

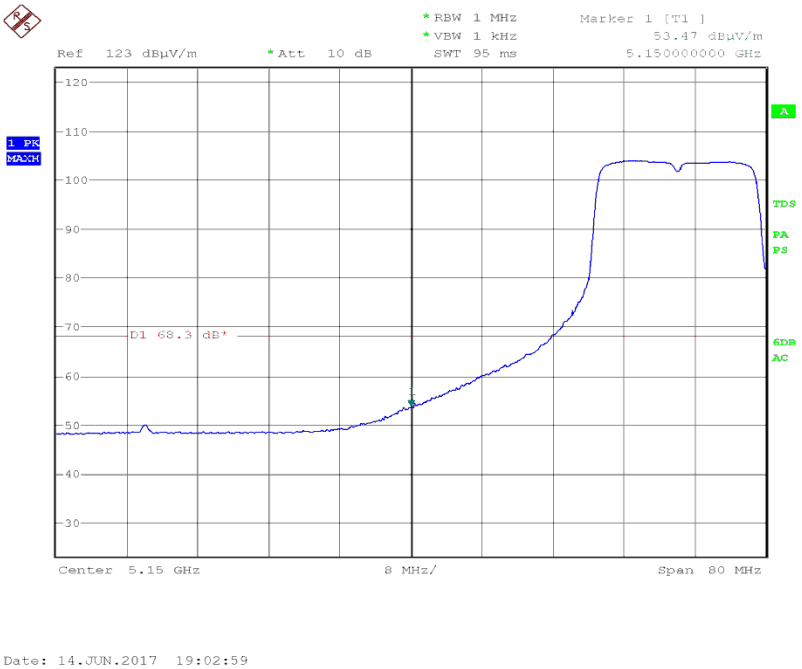

Figure 95 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5320	5350	50.00
Widest Emission Bandwidth	MCS3	5320	5350	49.80

Table 151 - U-NII 2a - Authorised Band Edge Results

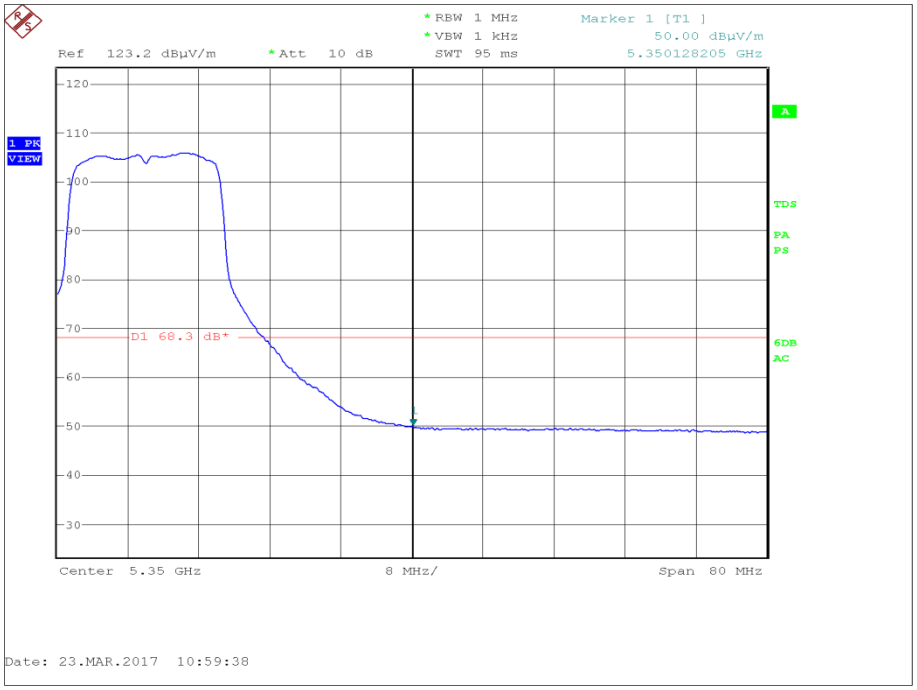

Figure 96 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

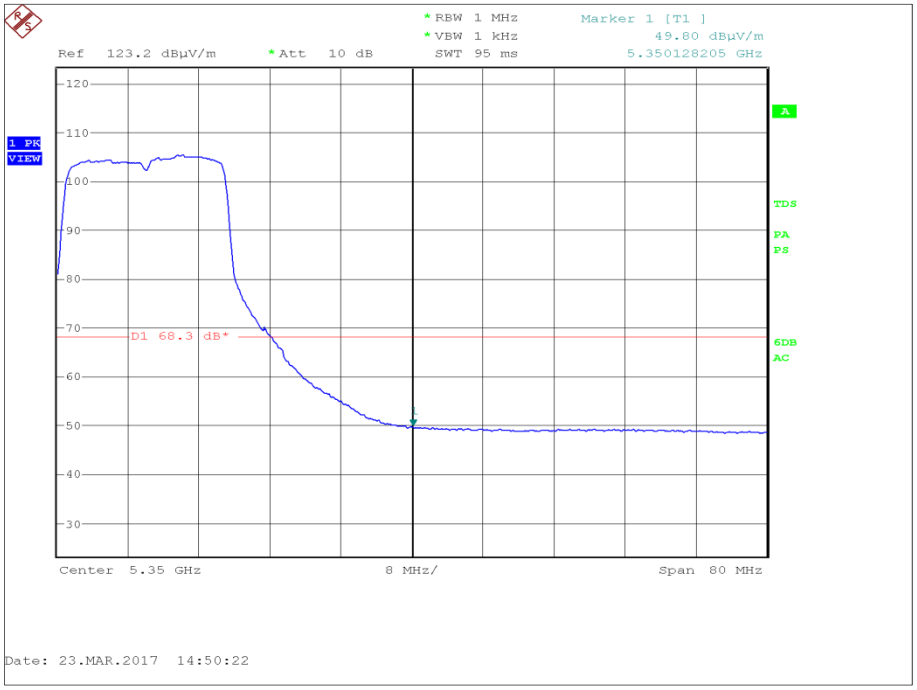

Figure 97 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5500	5470	53.53
Widest Emission Bandwidth	MCS3	5500	5470	52.65
Highest Conducted Power	MCS0	5700	5725	53.24
Widest Emission Bandwidth	MCS3	5700	5725	69.22

Table 152 - U-NII 2c - Authorised Band Edge Results

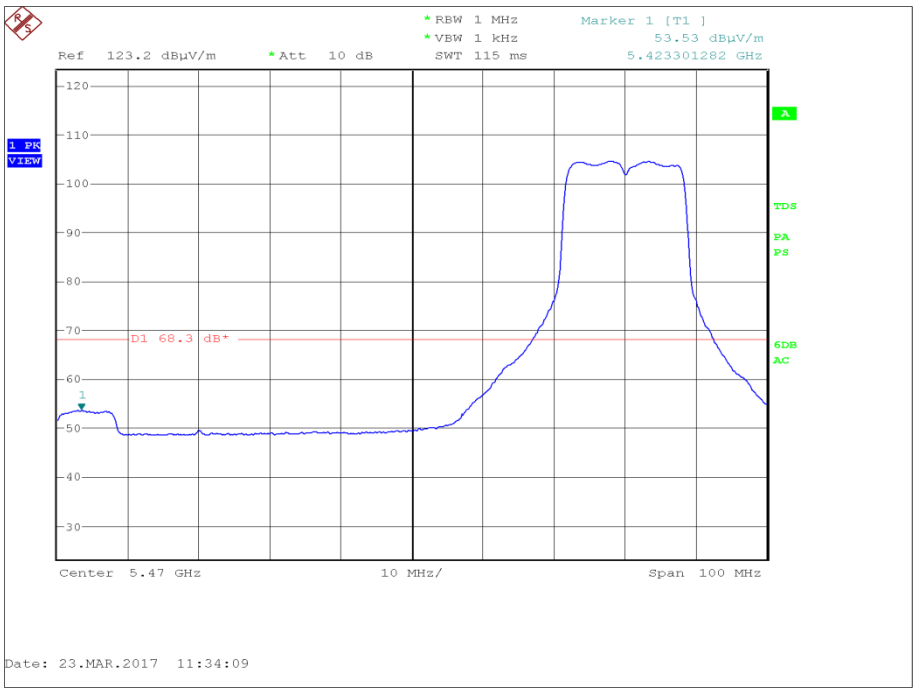

Figure 98 - Authorised Band Edge at 5470 MHz - Highest Conducted Power

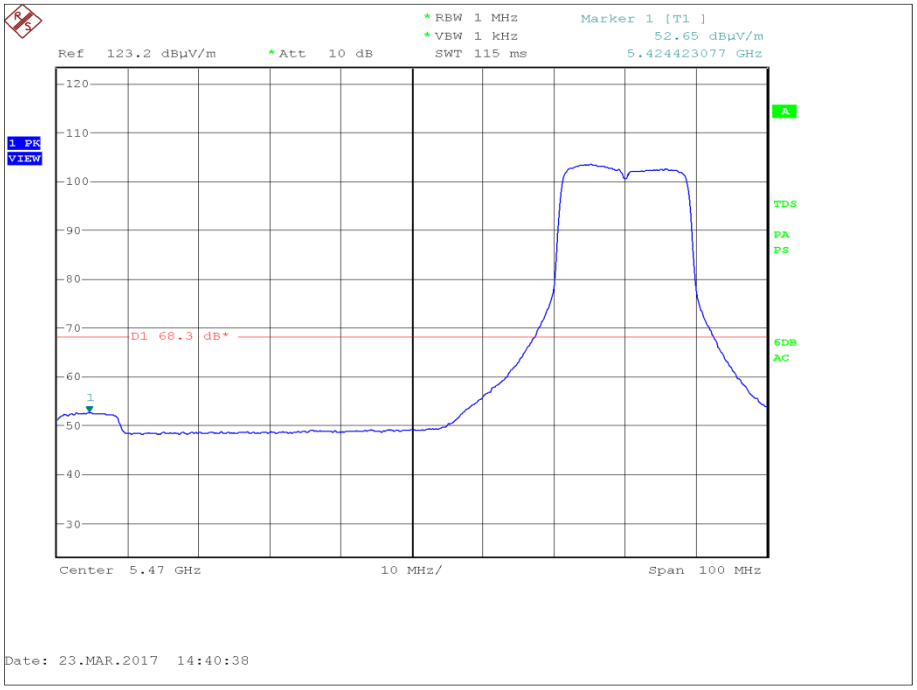

Figure 99 - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

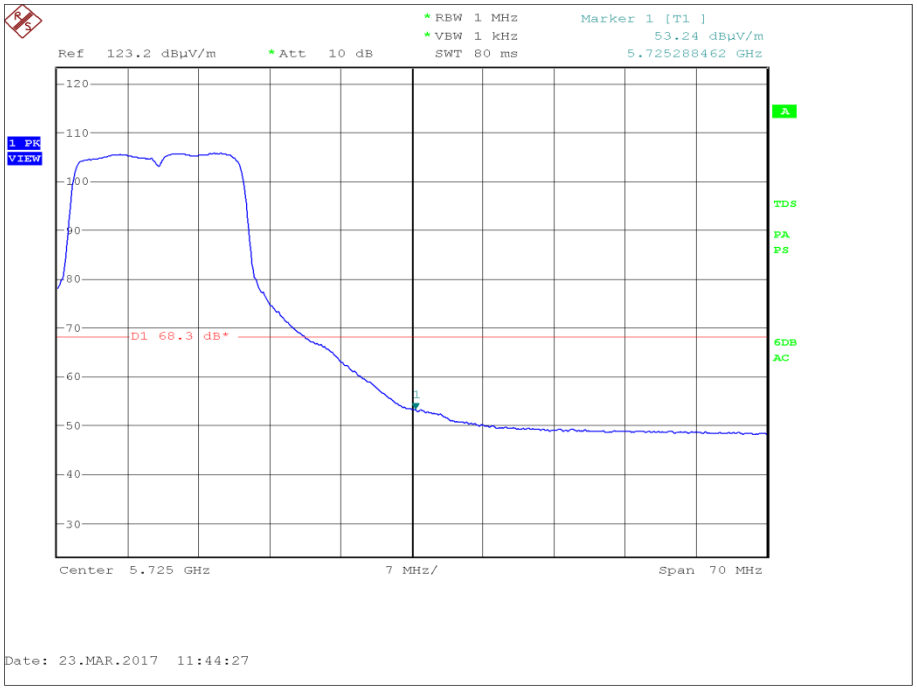

Figure 100 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

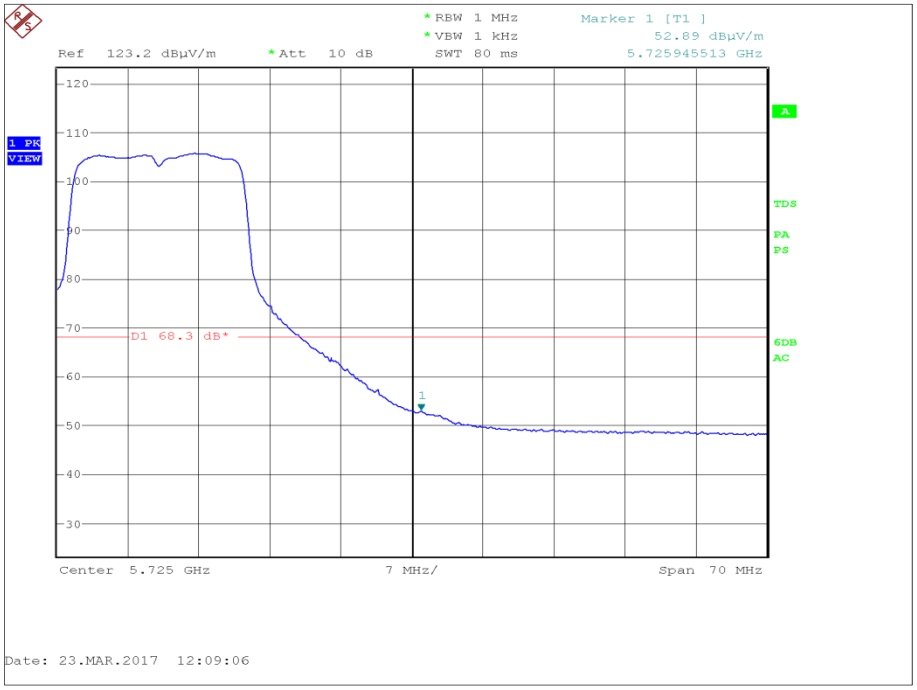

Figure 101 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5745	5725	63.20
Widest Emission Bandwidth	MCS3	5745	5725	62.99
Highest Conducted Power	MCS0	5825	5850	66.86
Widest Emission Bandwidth	MCS3	5825	5850	69.25

Table 153 - U-NII 3 - Authorised Band Edge Results

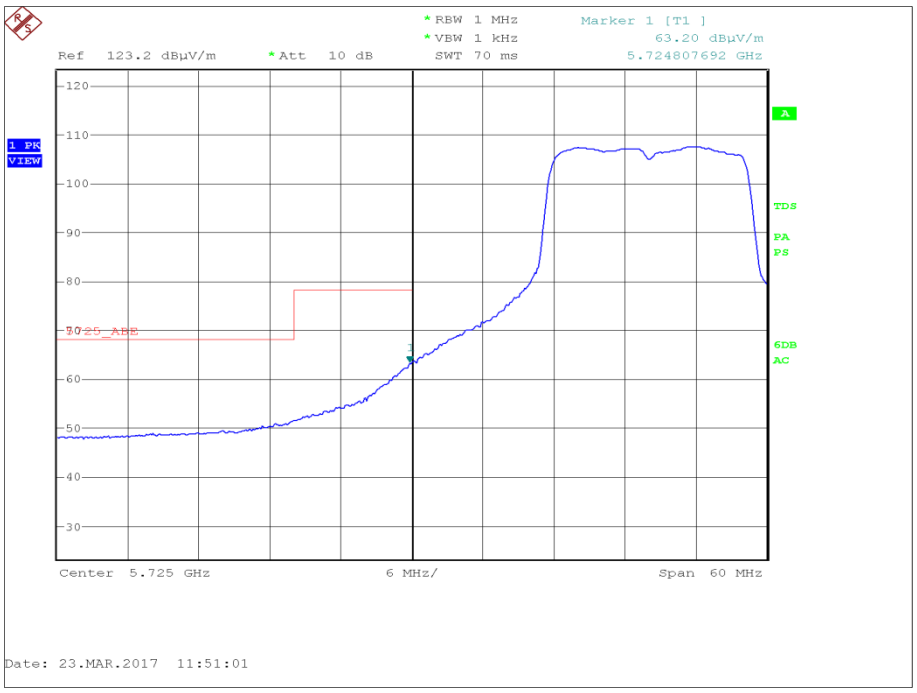

Figure 102 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

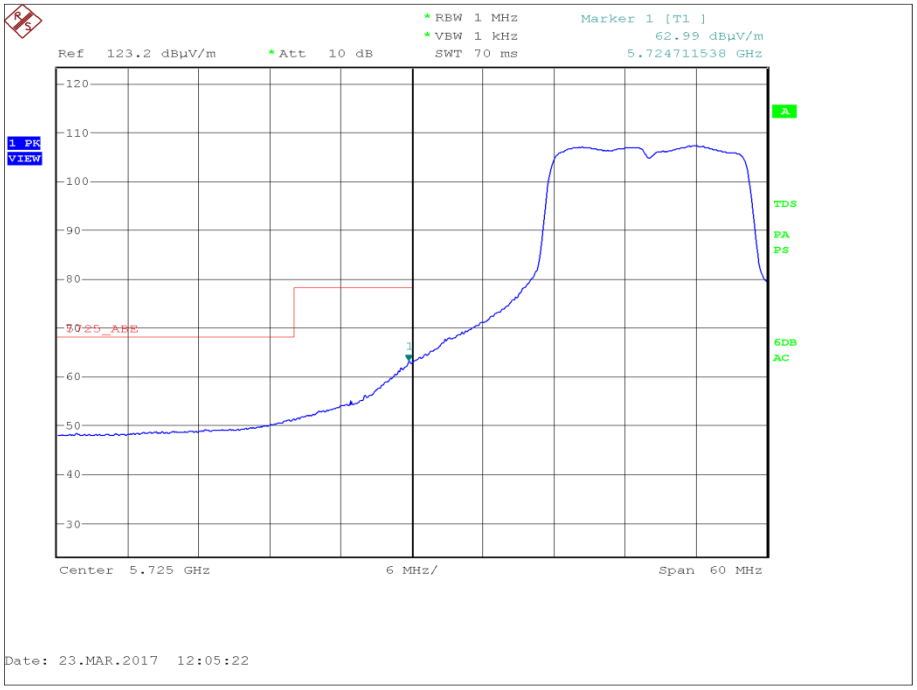

Figure 103 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

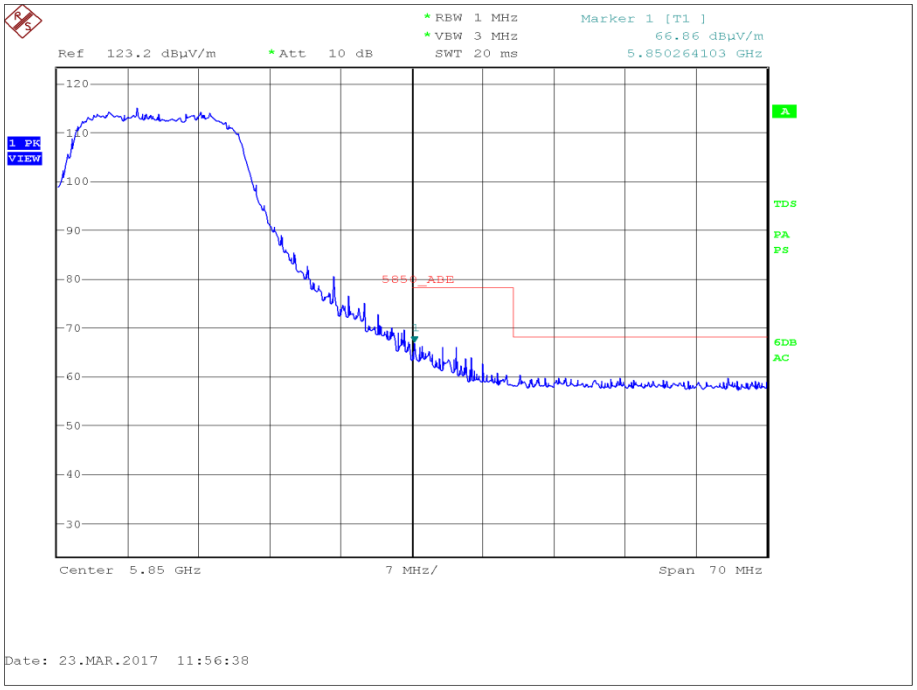

Figure 104 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

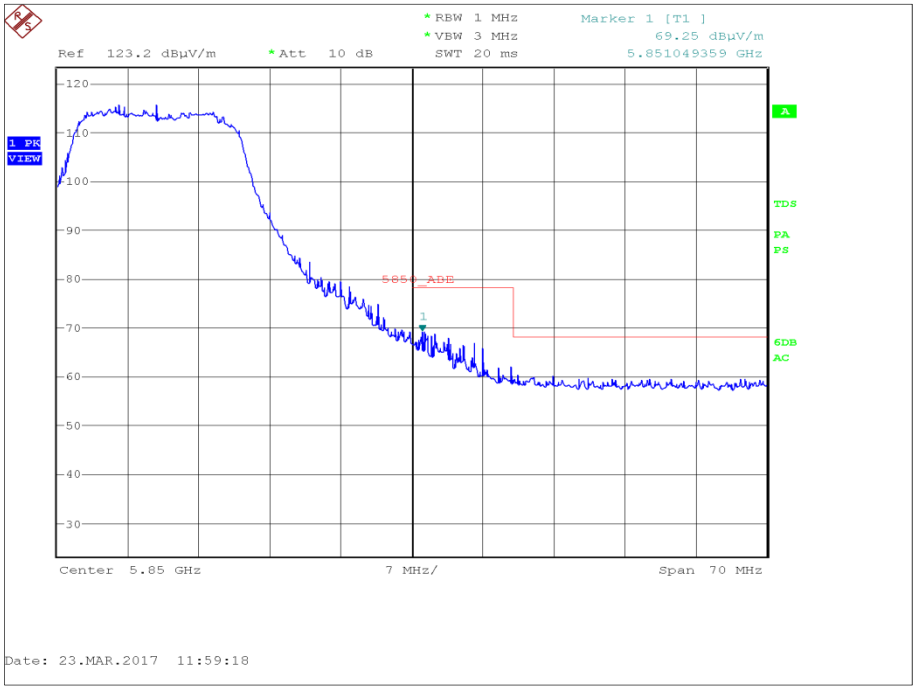

Figure 105 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407(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 shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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.

ANT795-6MT - 802.11n 40 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5190	5150	53.46
Widest Emission Bandwidth	MCS3	5190	5150	53.01

Table 154 - UNII 1 - Authorised Band Edge Results

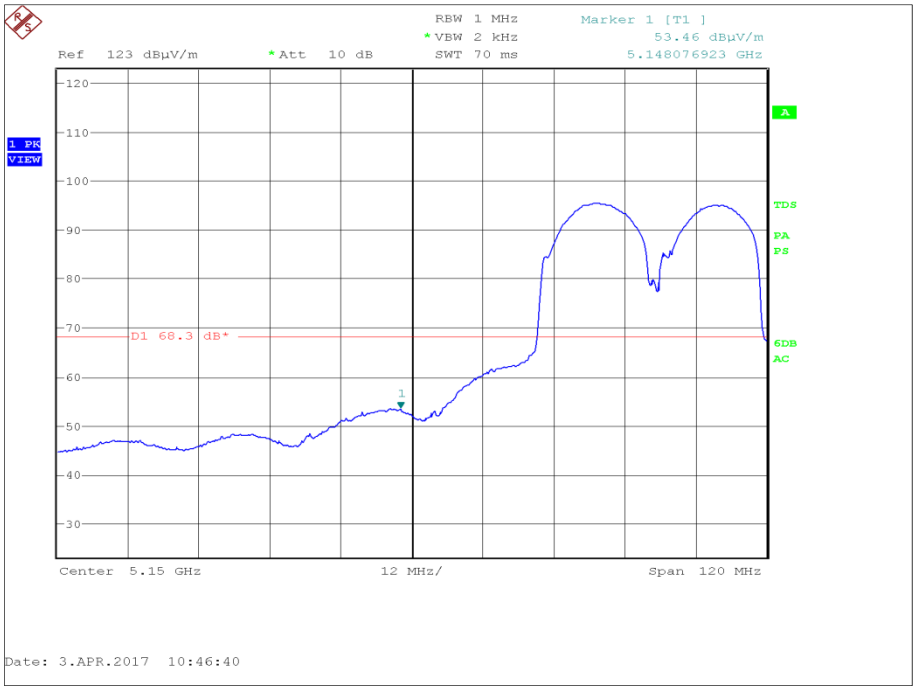

Figure 106 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

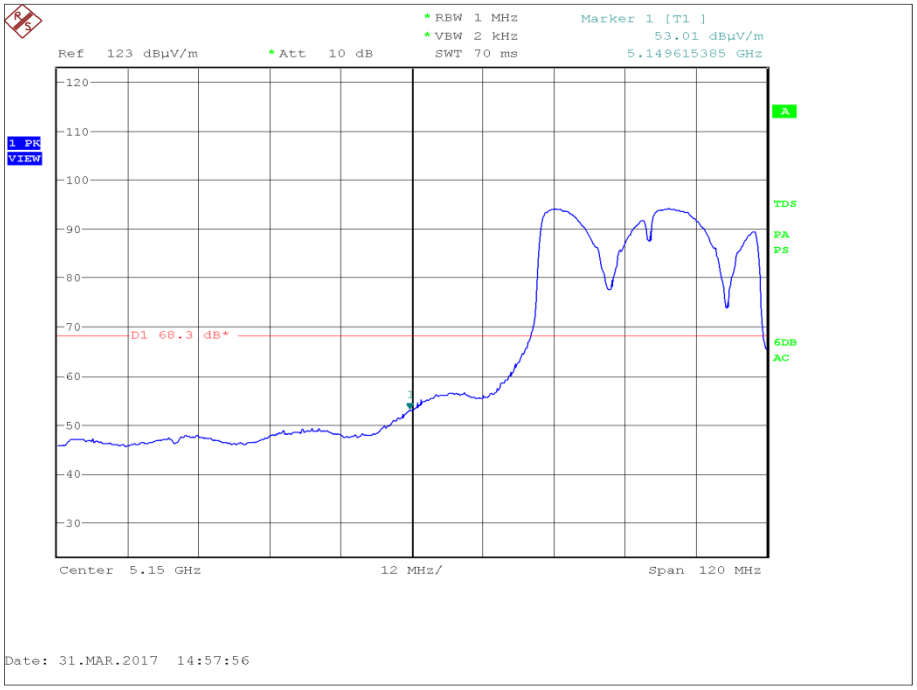

Figure 107 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5320	5350	50.30
Widest Emission Bandwidth	MCS3	5320	5350	51.60

Table 155 - U-NII 2a - Authorised Band Edge Results

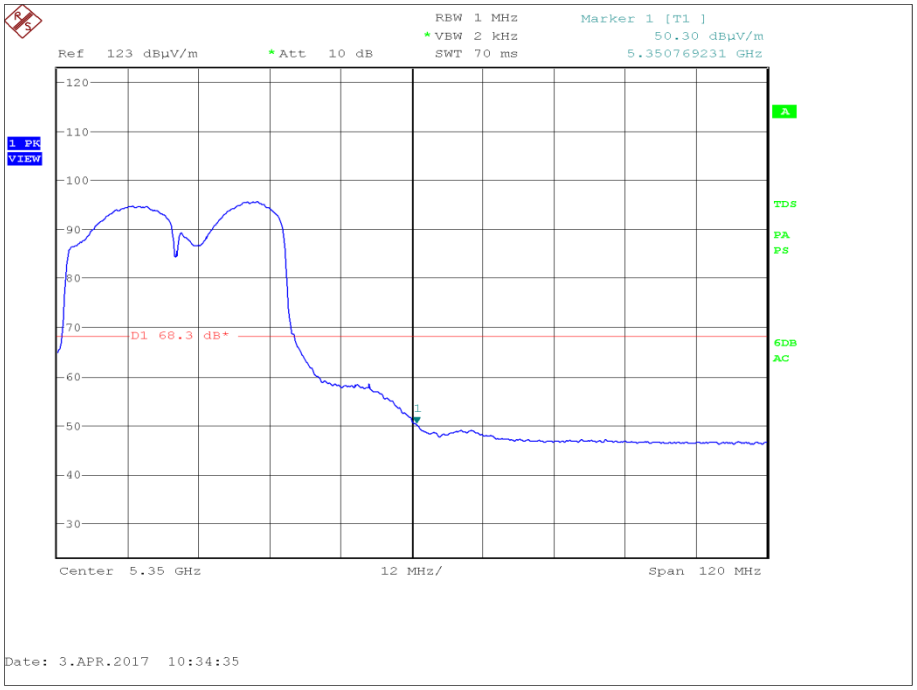

Figure 108 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

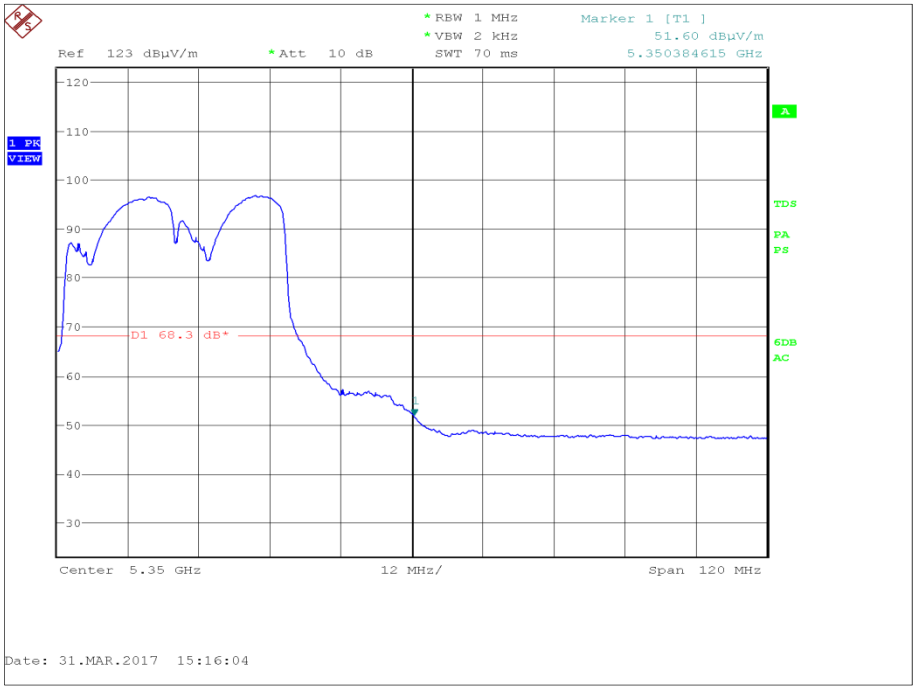

Figure 109 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5510	5470	64.82
Widest Emission Bandwidth	MCS3	5510	5470	64.33
Highest Conducted Power	MCS0	5670	5725	51.76
Widest Emission Bandwidth	MCS3	5670	5725	65.26

Table 156 - U-NII 2c - Authorised Band Edge Results

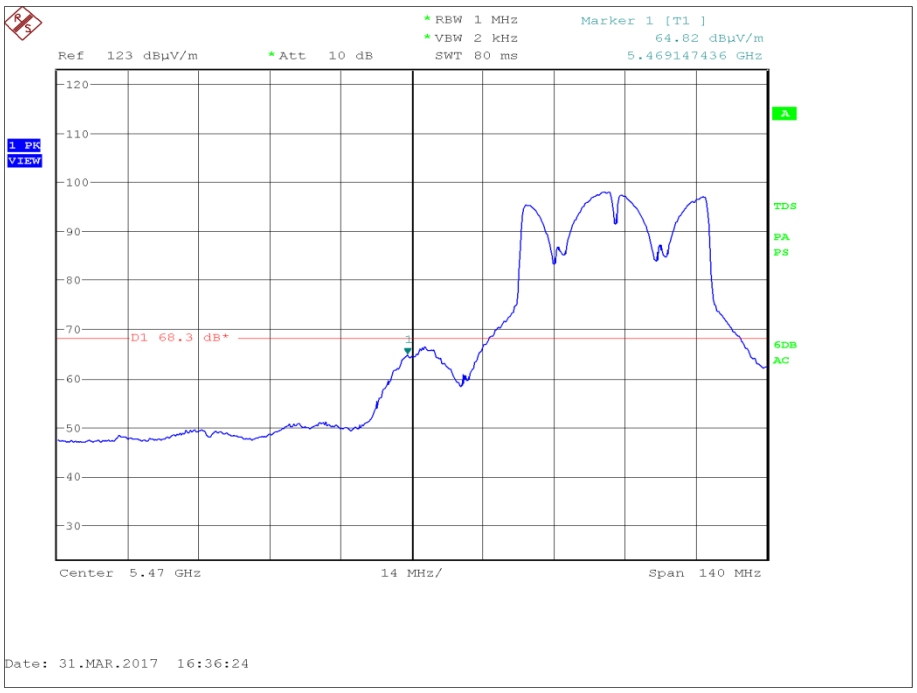

Figure 110 - Authorised Band Edge at 5470 MHz - Highest Conducted Power

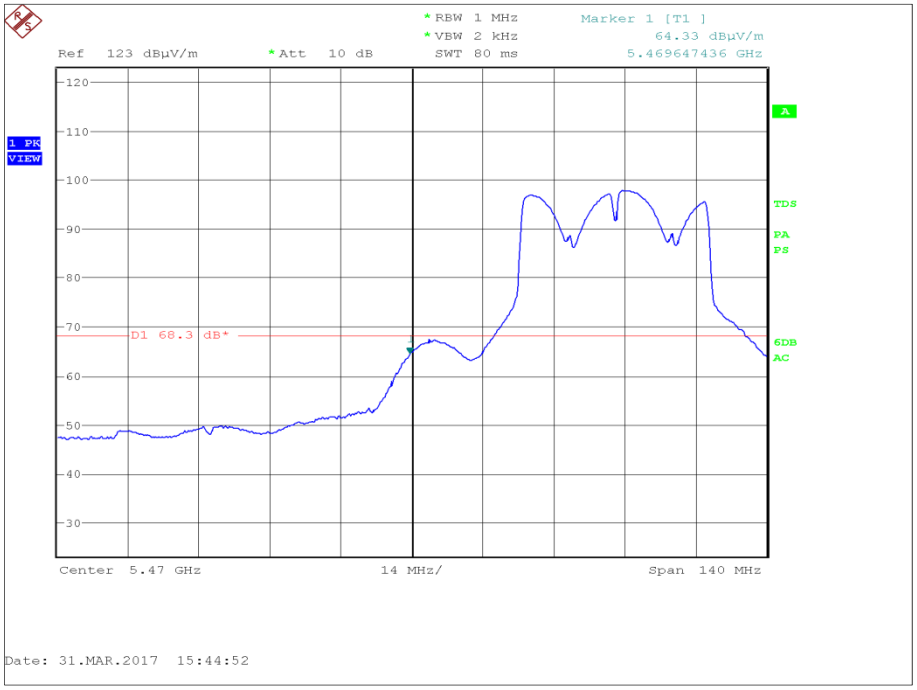

Figure 111 - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

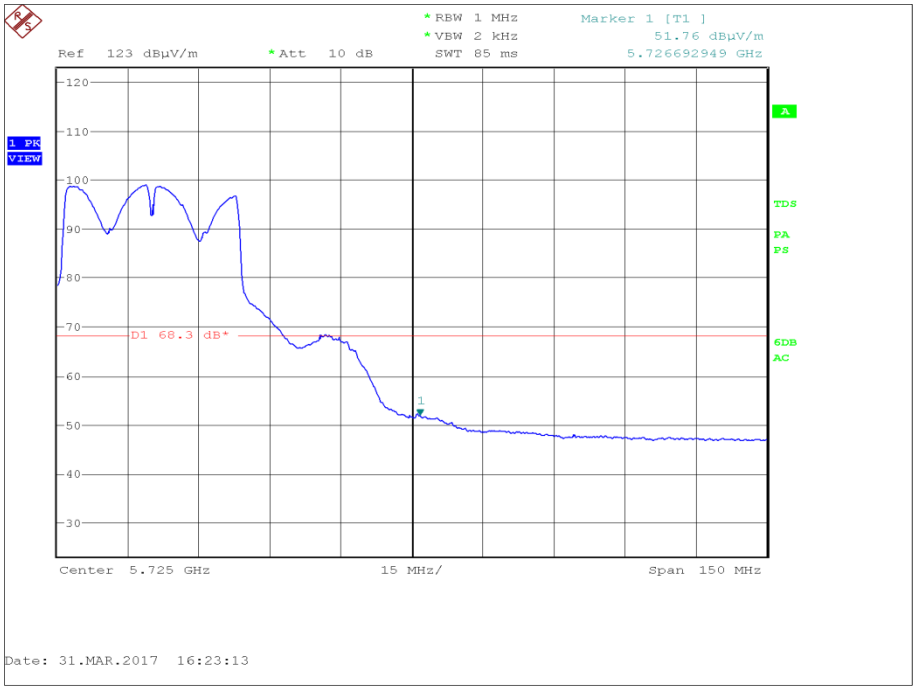

Figure 112 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

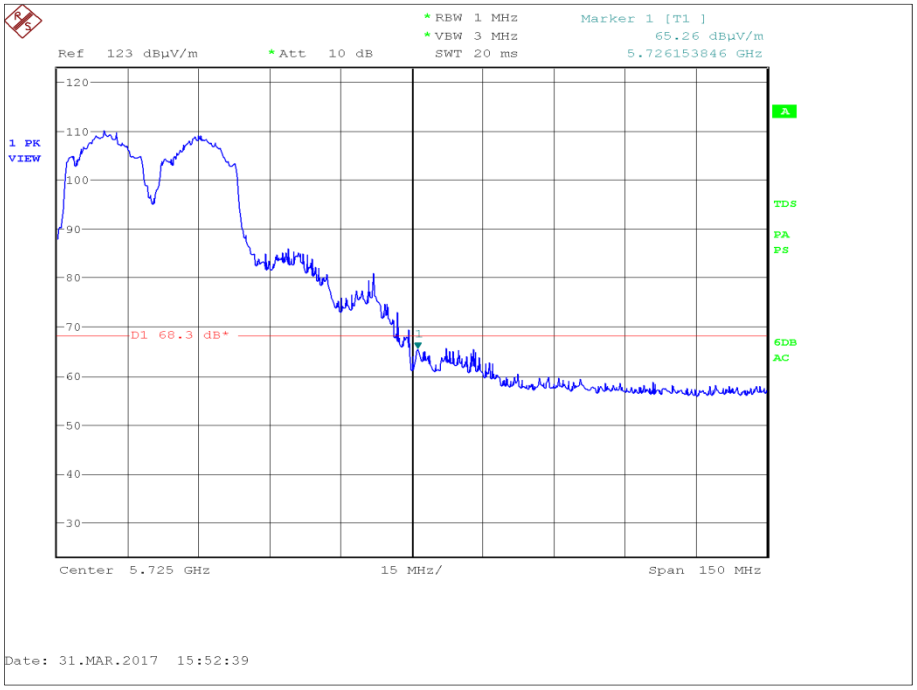

Figure 113 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5755	5725	66.33
Widest Emission Bandwidth	MCS3	5755	5725	63.25
Highest Conducted Power	MCS0	5755	5850	59.50
Widest Emission Bandwidth	MCS3	5755	5850	59.79

Table 157 - U-NII 3 - Authorised Band Edge Results

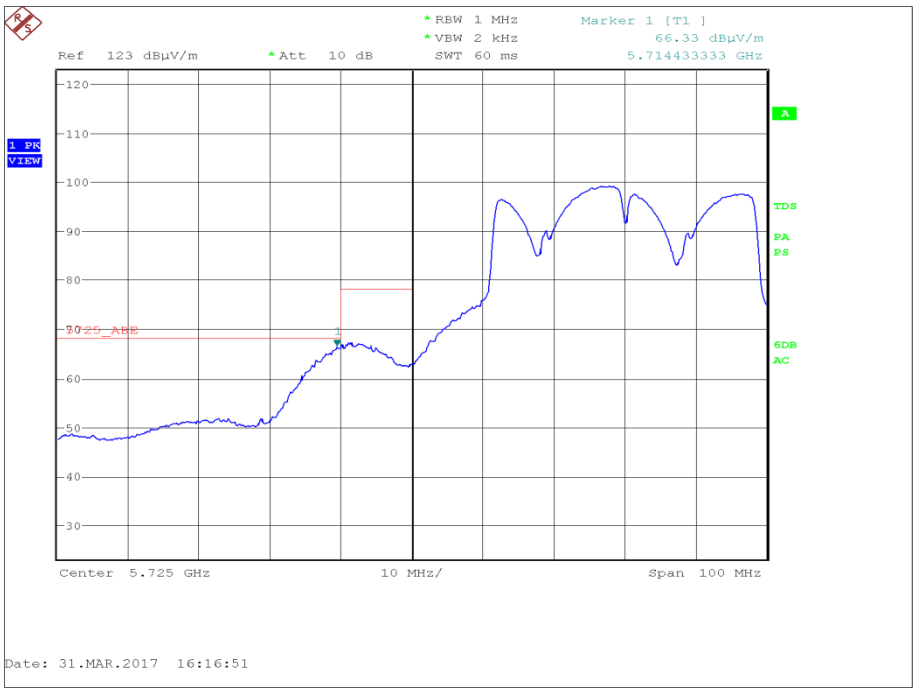

Figure 114 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

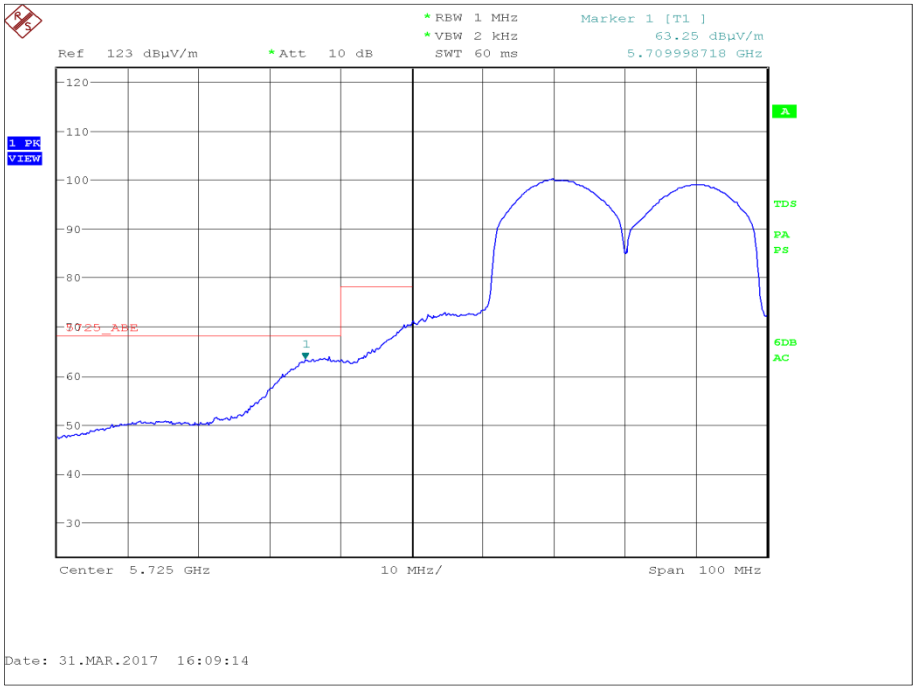

Figure 115 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

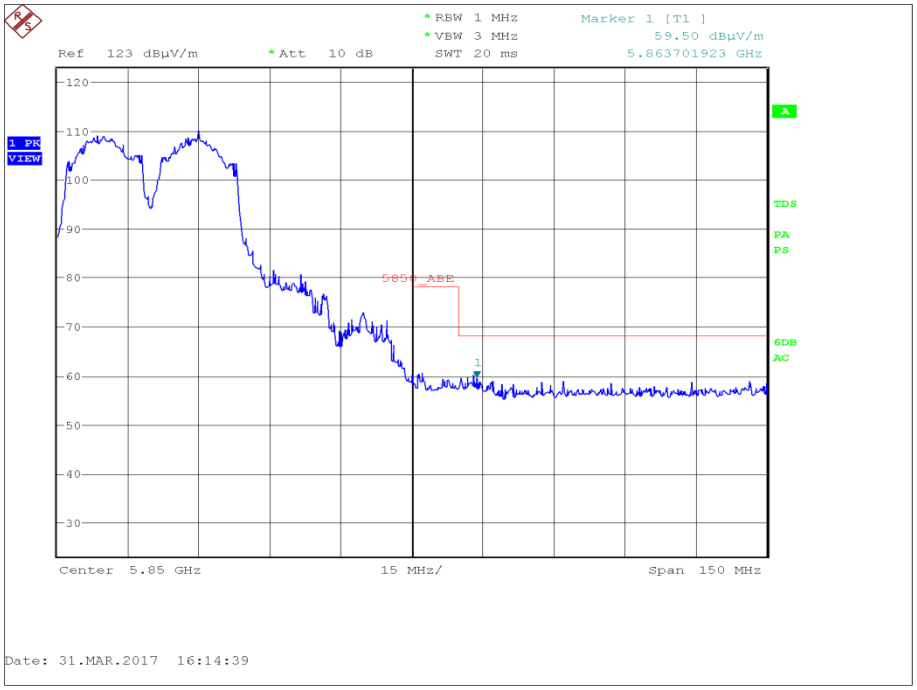

Figure 116 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

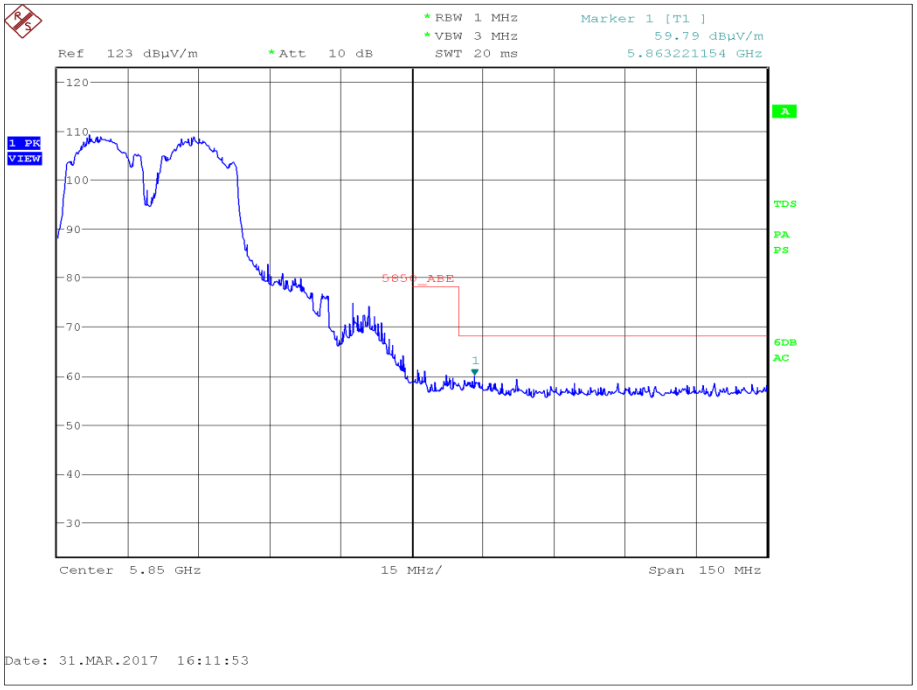

Figure 117 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407(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 shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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.

ANT793-6DG - 802.11n 40 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5190	5150	67.61
Widest Emission Bandwidth	MCS3	5190	5150	51.87

Table 158 - UNII 1 - Authorised Band Edge Results

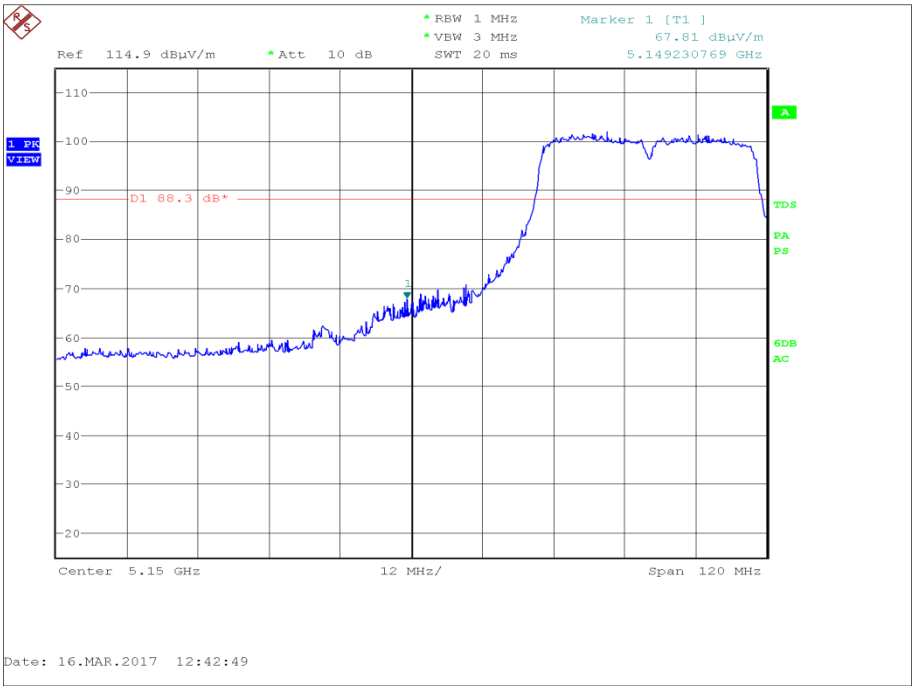

Figure 118 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

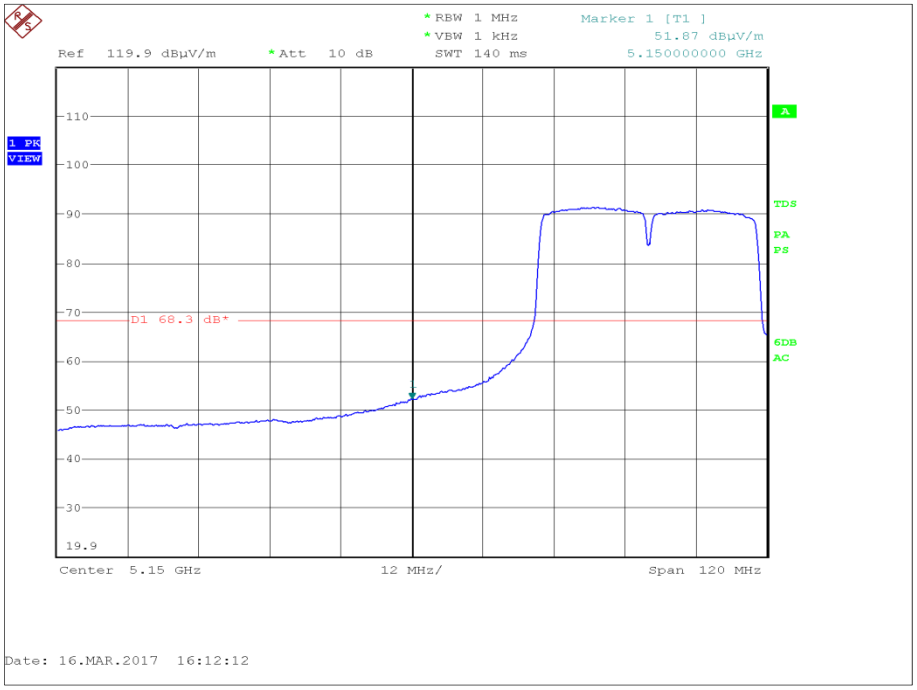

Figure 119 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5310	5350	49.82
Widest Emission Bandwidth	MCS3	5310	5350	49.22

Table 159 - U-NII 2a - Authorised Band Edge Results

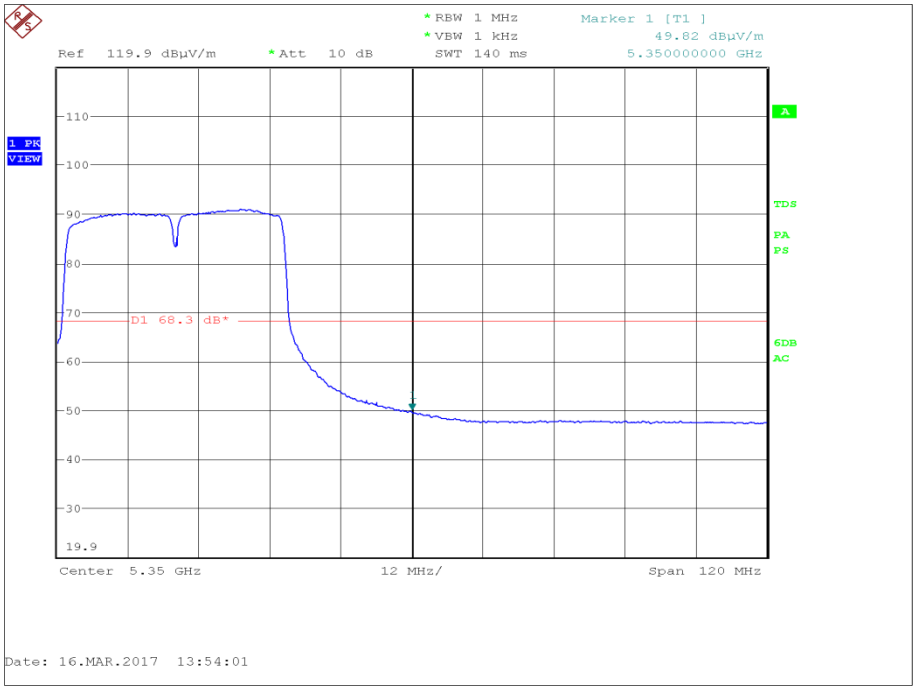

Figure 120 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

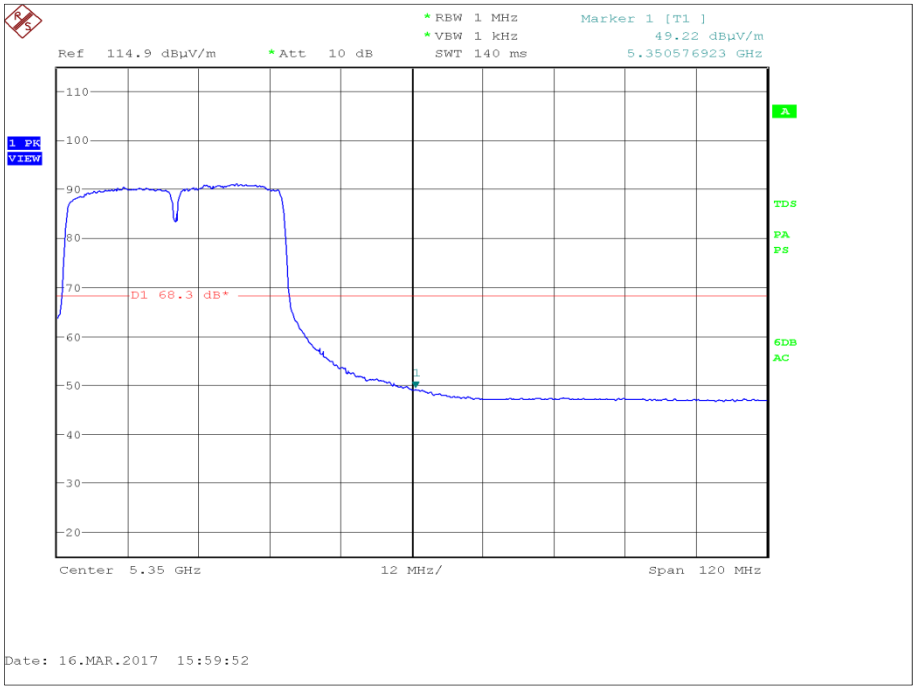

Figure 121 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5510	5470	53.76
Widest Emission Bandwidth	MCS3	5510	5470	54.10
Highest Conducted Power	MCS0	5670	5725	60.05
Widest Emission Bandwidth	MCS3	5670	5725	61.12

Table 160 - U-NII 2c - Authorised Band Edge Results

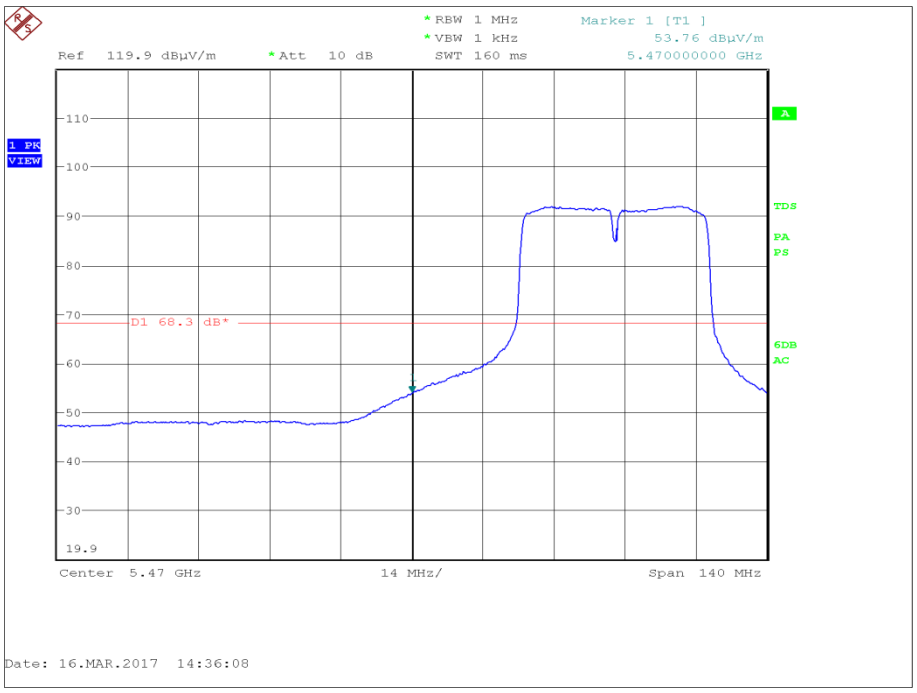

Figure 122 - Authorised Band Edge at 5470 MHz - Highest Conducted Power

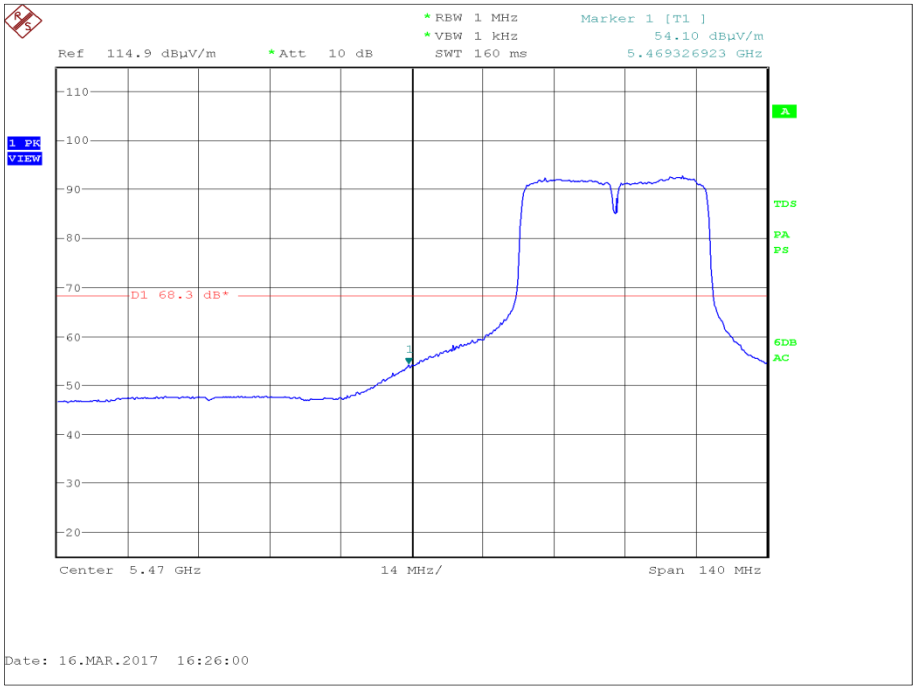

Figure 123 - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

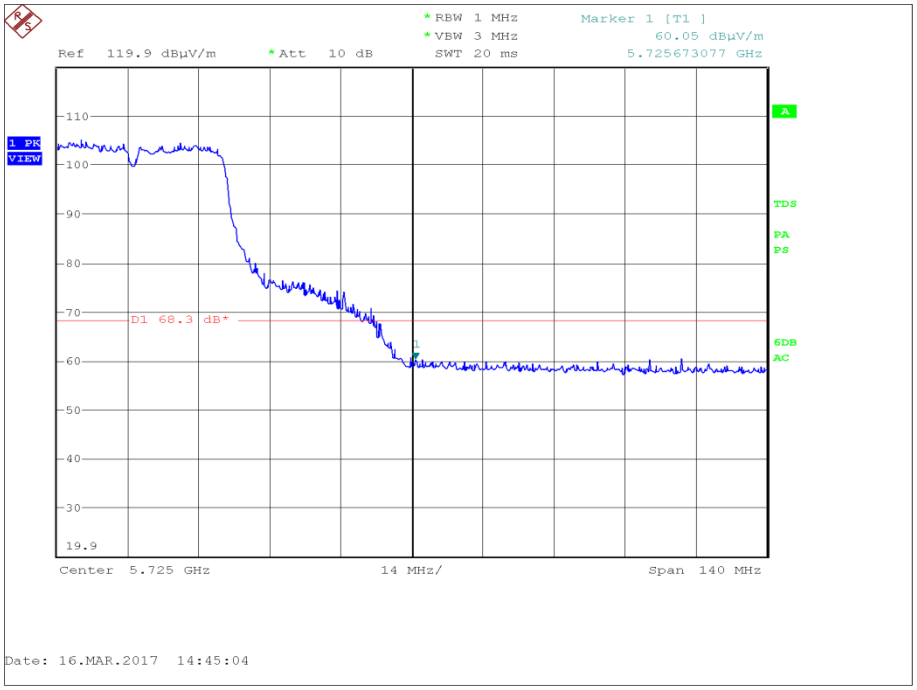

Figure 124 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

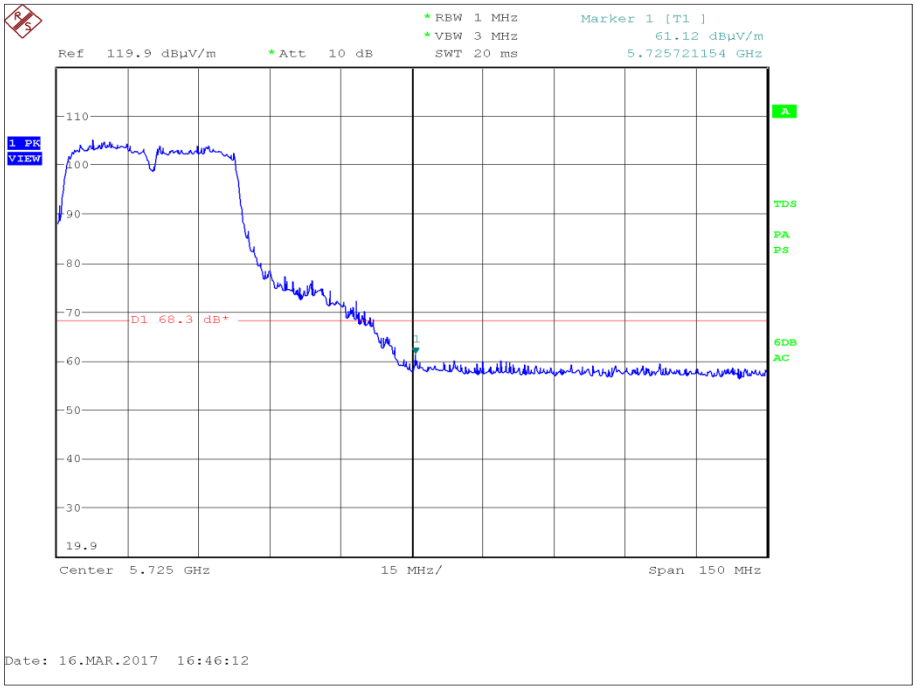

Figure 125 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5755	5850	59.17
Highest Conducted Power	MCS3	5755	5725	59.14
Widest Emission Bandwidth	MCS0	5755	5725	57.98
Widest Emission Bandwidth	MCS3	5755	5850	59.09

Table 161 - U-NII 3 - Authorised Band Edge Results

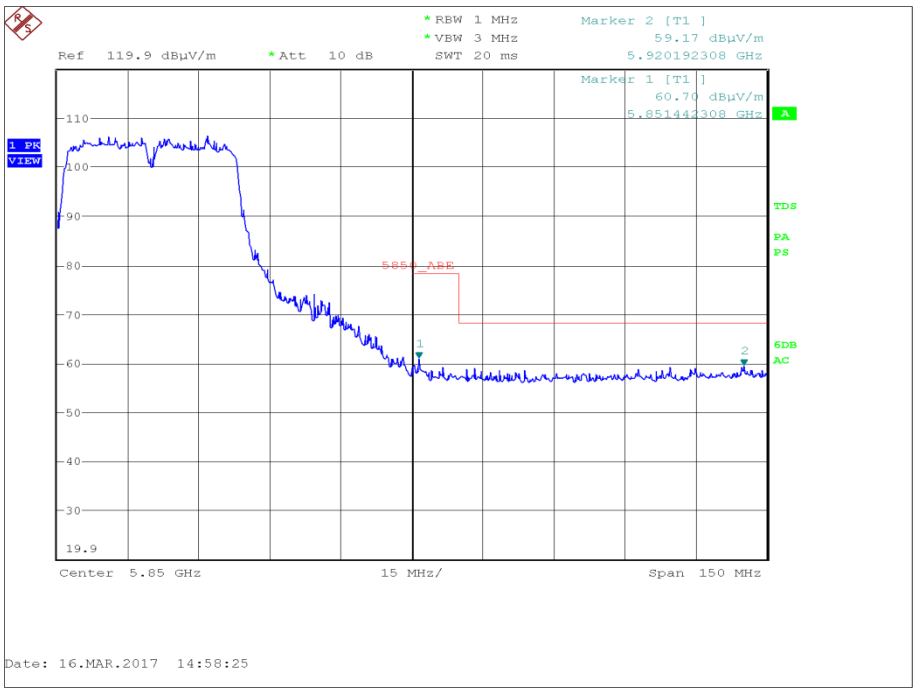

Figure 126 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

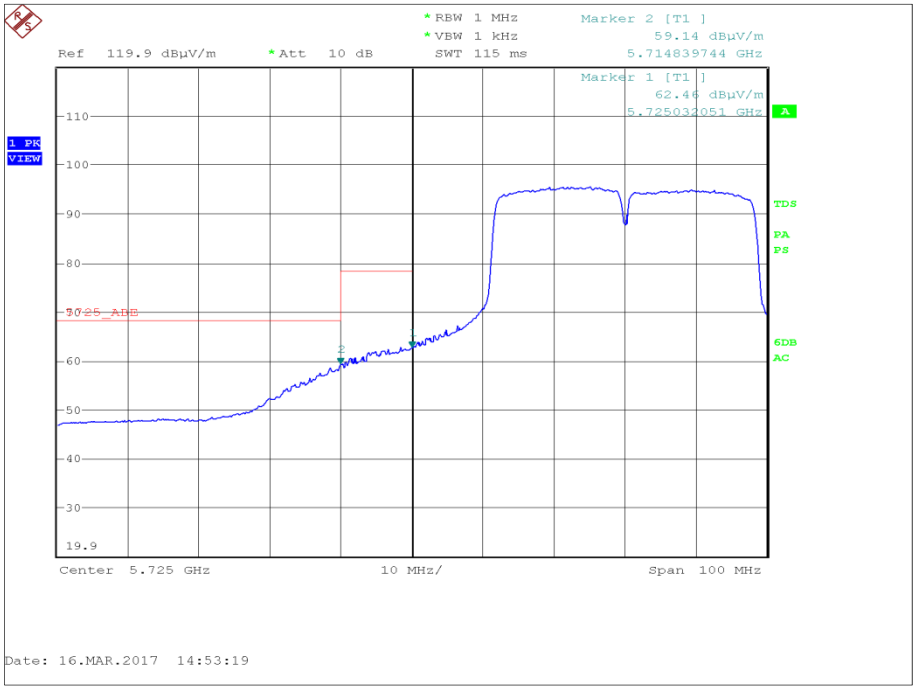

Figure 127 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

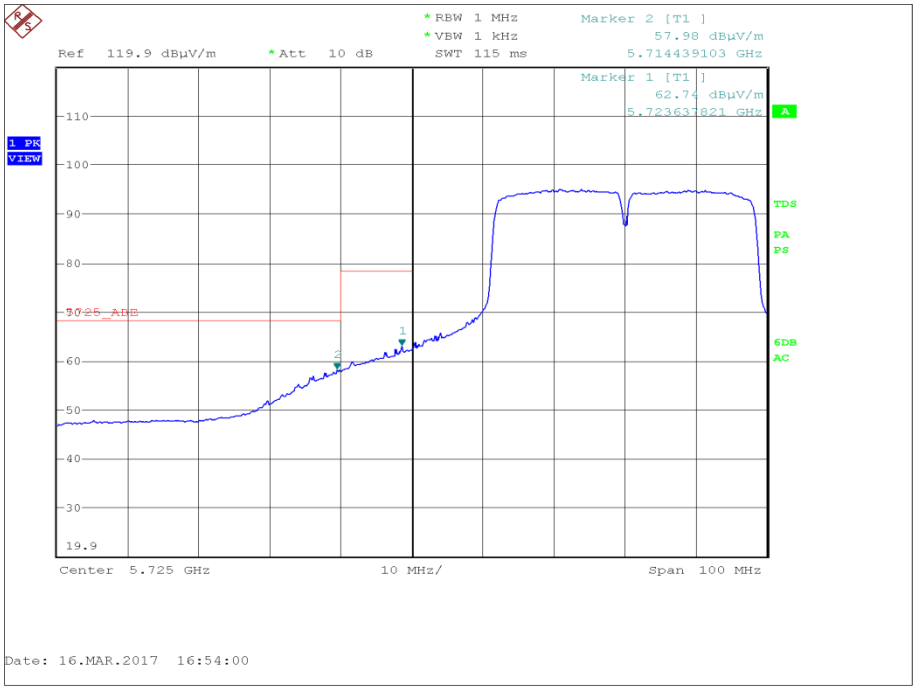

Figure 128 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

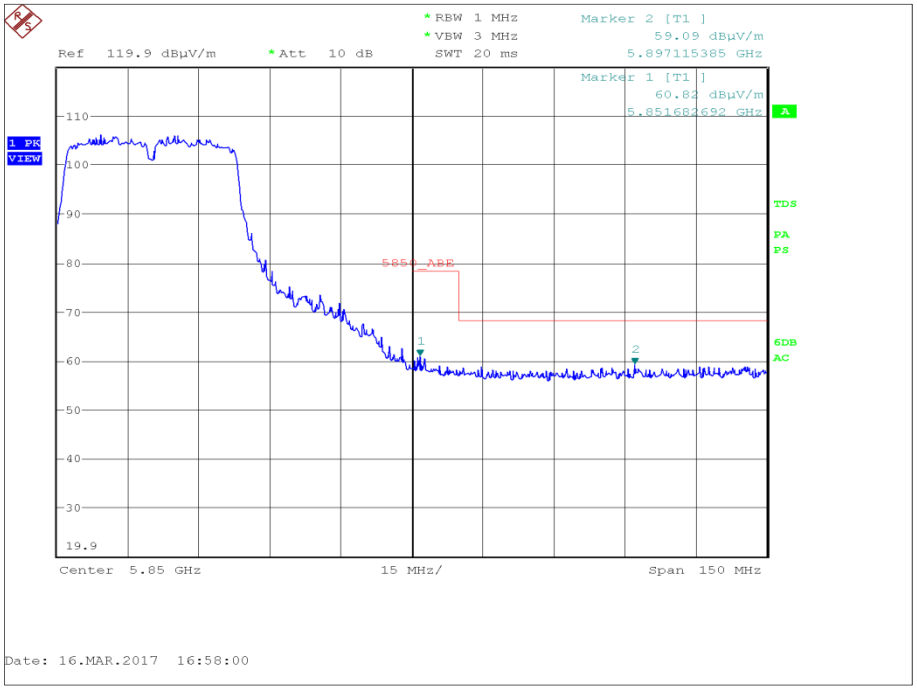

Figure 129 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407(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 shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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.

ANT793-8DK + 10m Cable - 802.11n 40 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5190	5150	52.48
Widest Emission Bandwidth	MCS3	5190	5150	53.44

Table 162 - UNII 1 - Authorised Band Edge Results

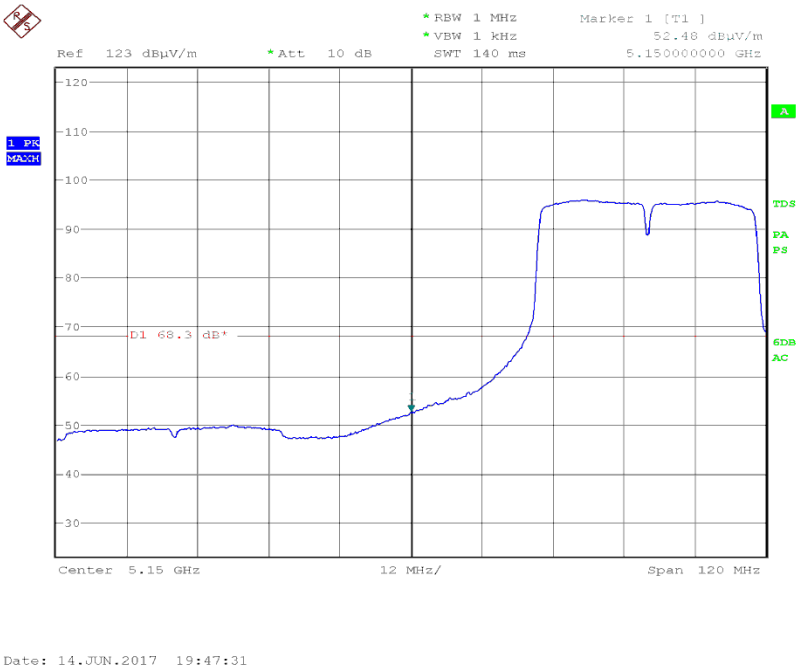

Figure 130 - U-NII 1 - Authorised Band Edge at 5150 MHz - Highest Conducted Power

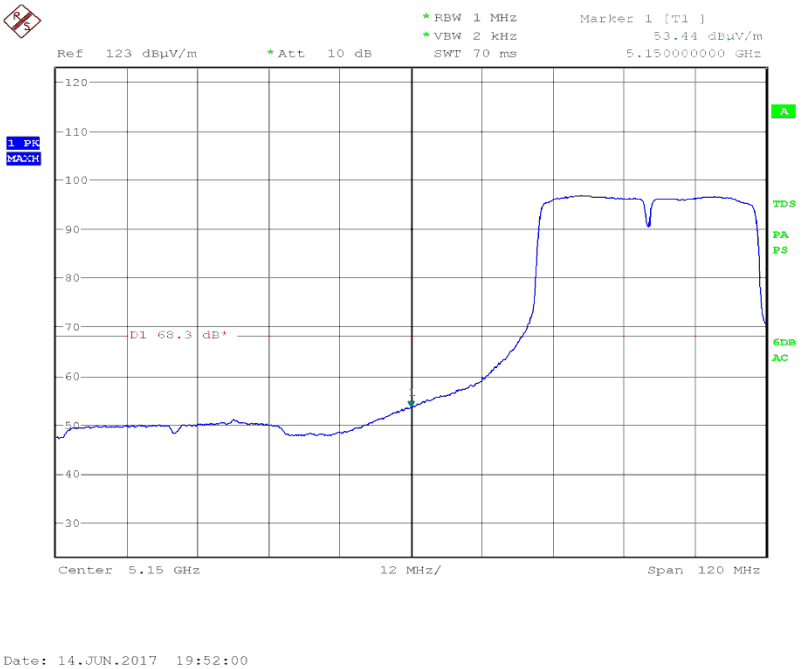

Figure 131 - U-NII 1 - Authorised Band Edge at 5150 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5190	5350	61.86
Widest Emission Bandwidth	MCS3	5190	5350	51.00

Table 163 - U-NII 2a - Authorised Band Edge Results

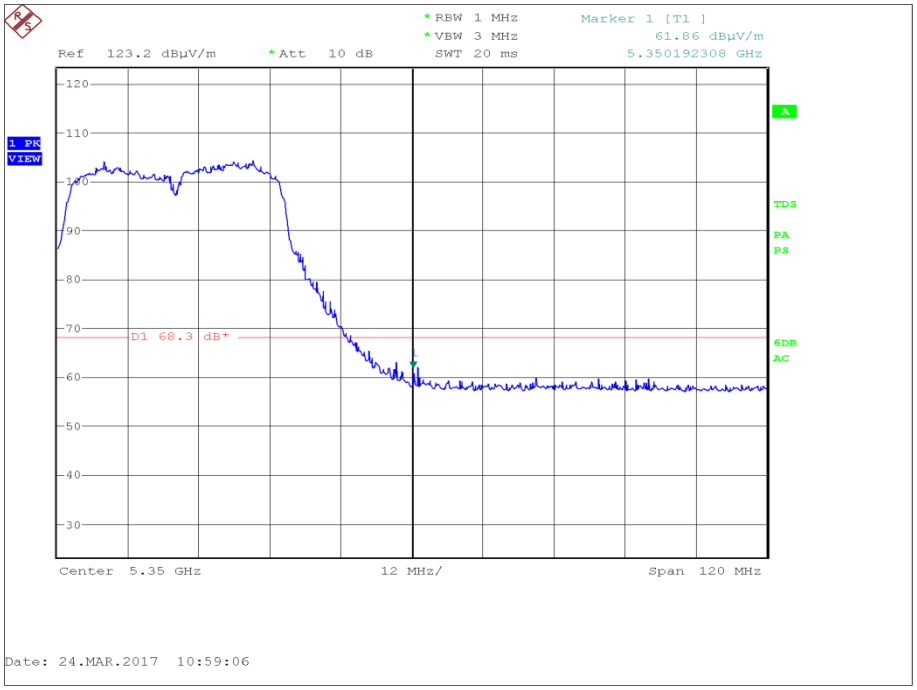

Figure 132 - U-NII 2a - Authorised Band Edge at 5350 MHz - Highest Conducted Power

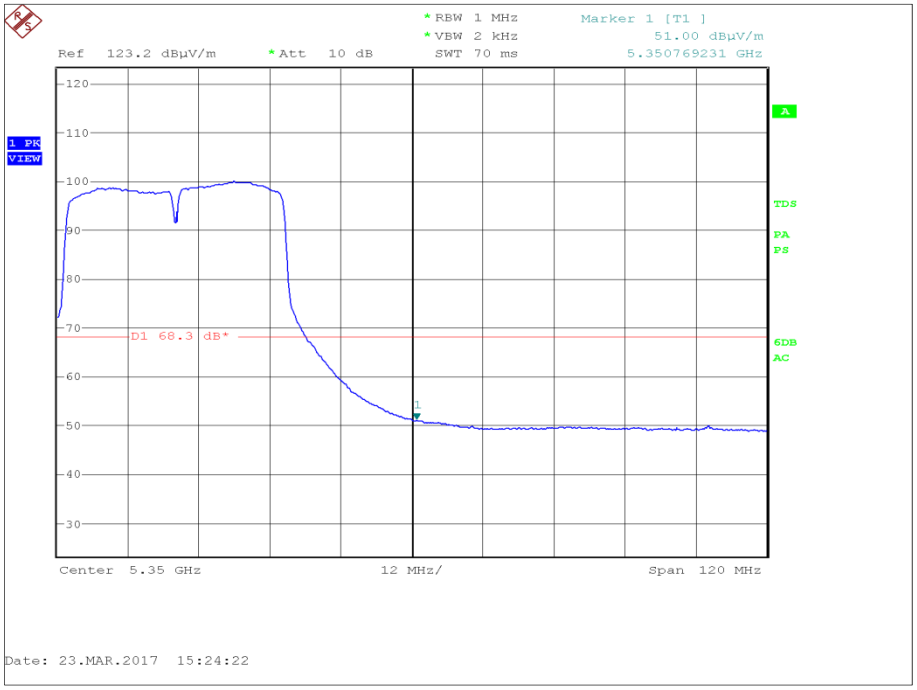

Figure 133 - U-NII 2a - Authorised Band Edge at 5350 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5510	5470	51.91
Widest Emission Bandwidth	MCS3	5510	5470	56.60
Highest Conducted Power	MCS0	5670	5725	58.81
Widest Emission Bandwidth	MCS3	5670	5725	49.75

Table 164 - U-NII 2c - Authorised Band Edge Results

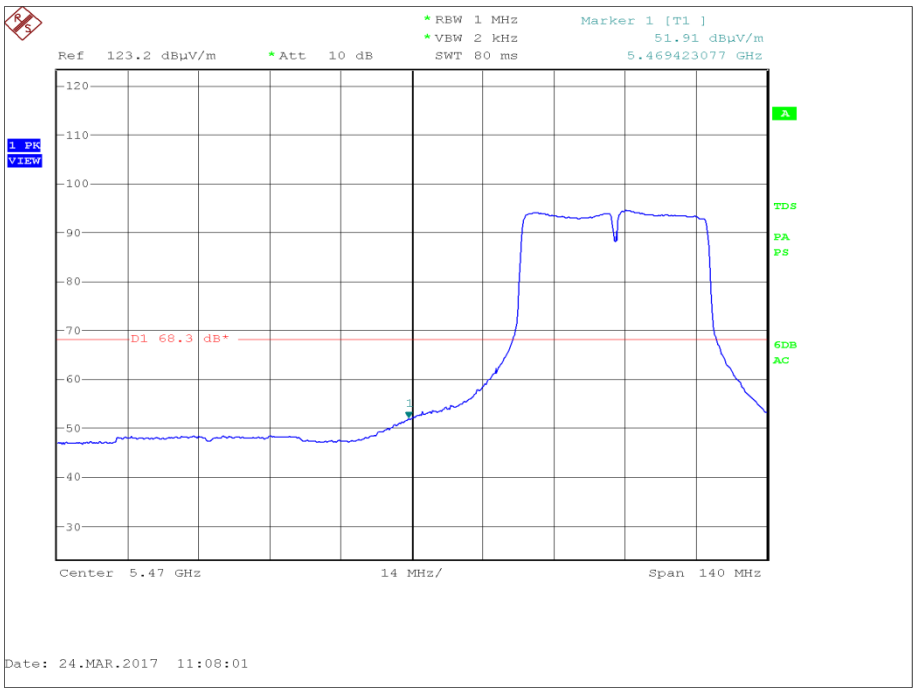

Figure 134 - Authorised Band Edge at 5470 MHz - Highest Conducted Power

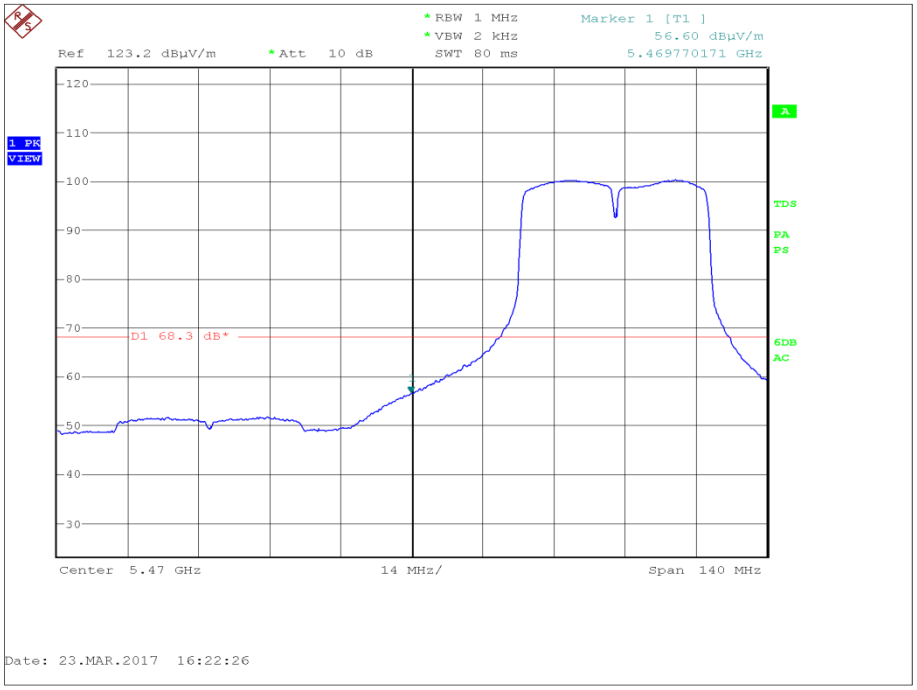

Figure 135 - Authorised Band Edge at 5470 MHz - Widest Emission Bandwidth

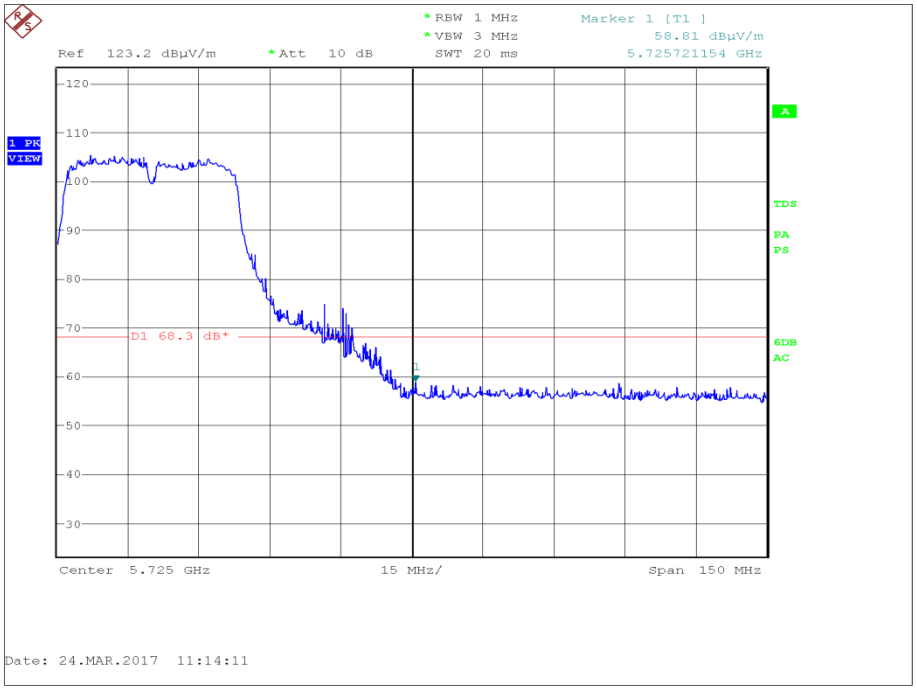

Figure 136 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

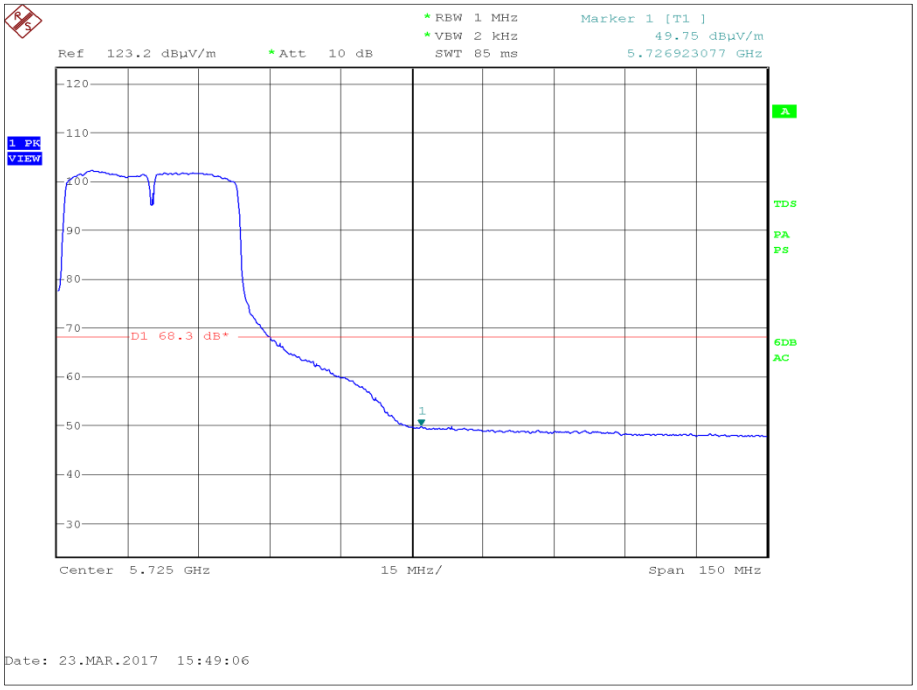

Figure 137 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Level (dBuv/m)
Highest Conducted Power	MCS0	5755	5725	55.70
Widest Emission Bandwidth	MCS3	5755	5725	63.69
Highest Conducted Power	MCS0	5755	5850	57.23
Widest Emission Bandwidth	MCS3	5755	5850	59.87

Table 165 - U-NII 3 - Authorised Band Edge Results

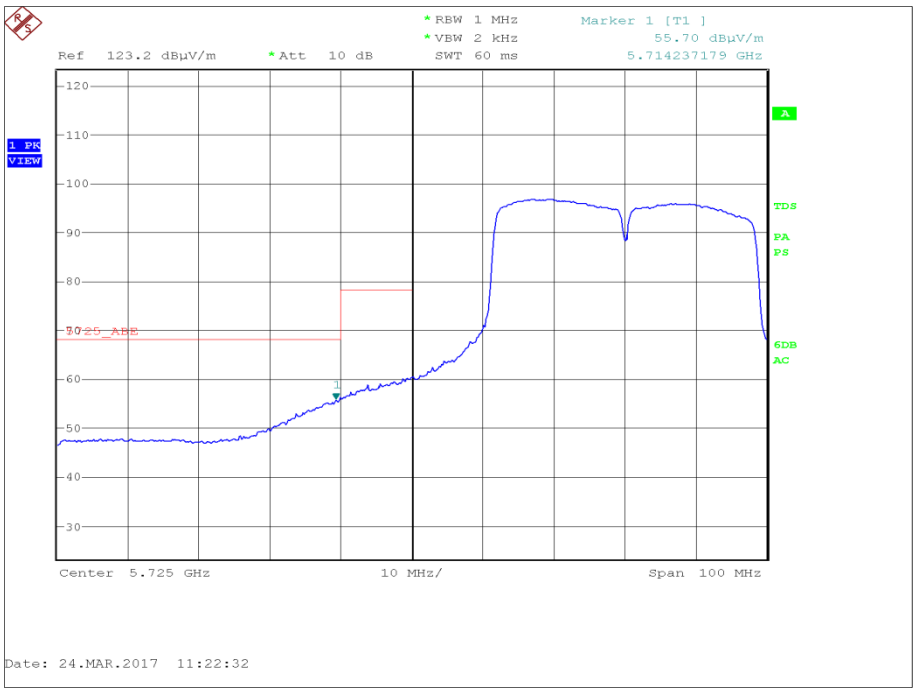

Figure 138 - Authorised Band Edge at 5725 MHz - Highest Conducted Power

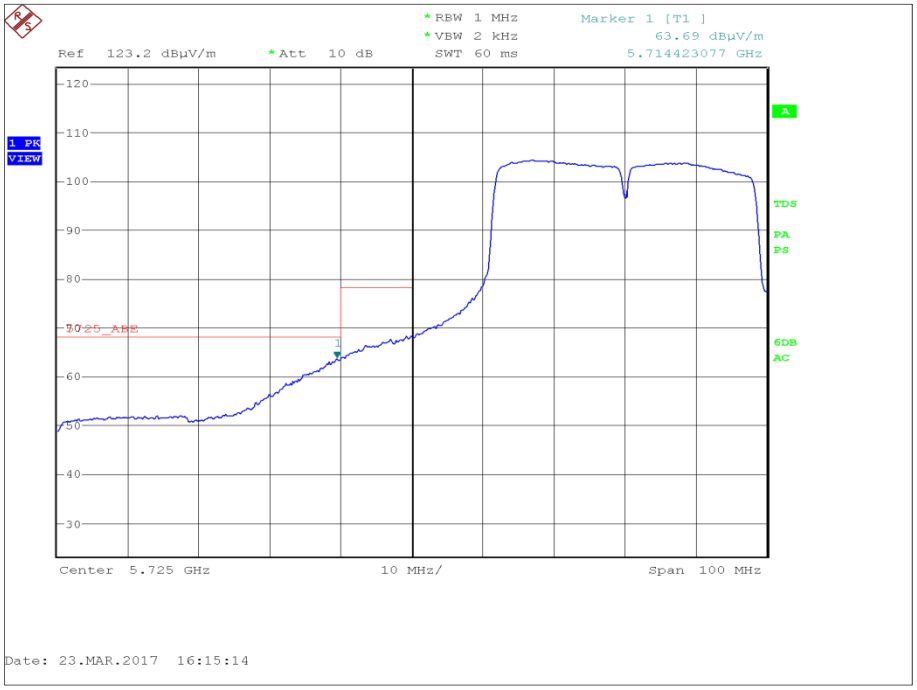

Figure 139 - Authorised Band Edge at 5725 MHz - Widest Emission Bandwidth

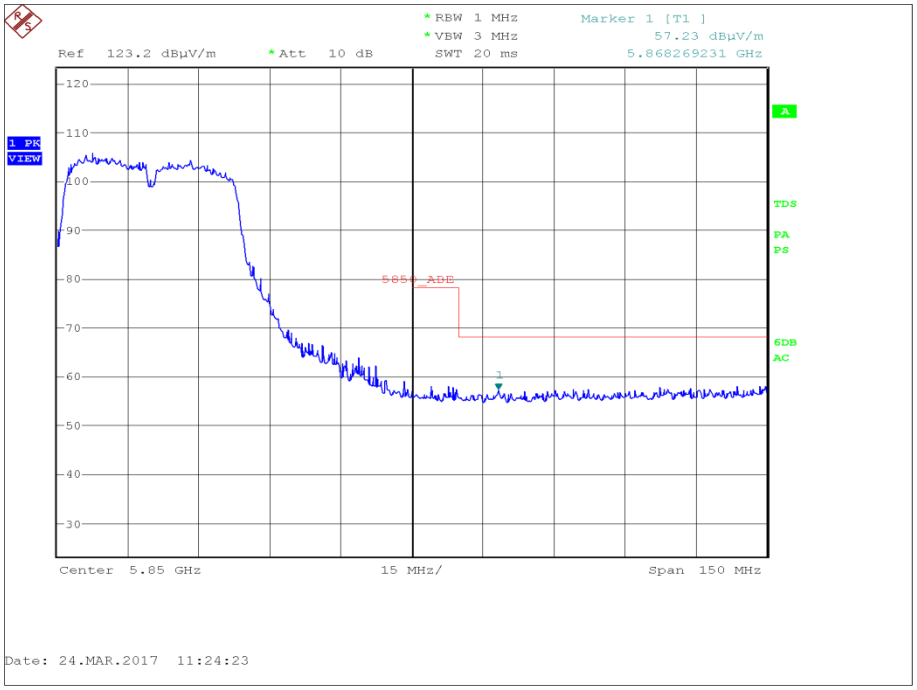

Figure 140 - Authorised Band Edge at 5850 MHz - Highest Conducted Power

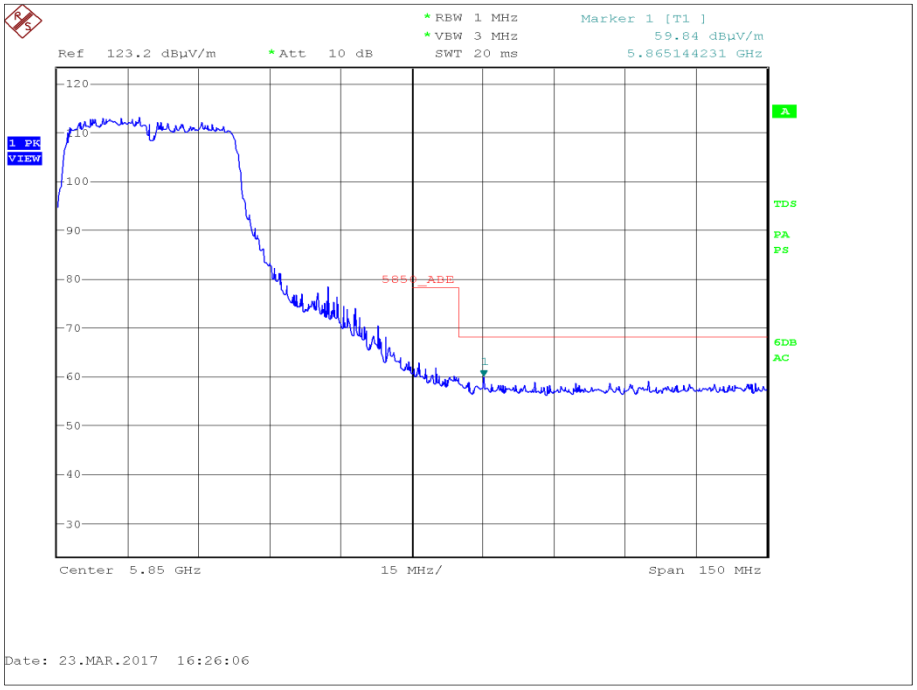

Figure 141 - Authorised Band Edge at 5850 MHz - Widest Emission Bandwidth

FCC 47 CFR Part 15E, Limit Clause 15.407(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 shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2

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.

2.4.7 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
Hygrometer	Rotronic	A1	1388	12	13-Apr-2017
Hygrometer	Rotronic	A1	1388	12	04-May-2018
Screened Room (5)	Rainford	Rainford	1545	36	20-Dec-2017
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Cable (N-N, 8m)	Rhophase	NPS-2302-8000-NPS	3248	-	TU
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	12-Nov-2017
Multimeter	Fluke	177	3813	12	14-Sep-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 166

TU - Traceability Unscheduled
O/P Mon – Output Monitored

2.5 Restricted Band Edges

2.5.1 Specification Reference

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

2.5.2 Equipment Under Test and Modification State

MSN65-W1-M12-E2, S/N: Not Serialised (75938097-TSR0001) - Modification State 0

2.5.3 Date of Test

15-March-2017, 31-March-2017 and 14-June-2017

2.5.4 Test Method

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

Initially measurements were made with a 1 MHz/3MHz RBW/VBW to obtain a peak result, however where the peak result did not pass the average limit, the measurement was then repeated using a 1 kHz VBW to obtain an averaged result. In these cases only the average plot is shown.

2.5.5 Environmental Conditions

Ambient Temperature 18.8 - 19.1 °C
Relative Humidity 33.0 - 40.0 %

2.5.6 Test Results

ANT795-6MT - 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	68.55	52.23
Widest Emission Bandwidth	12 Mbps	5180	5150	67.36	49.99

Table 167 - UNII 1 - Restricted Band Edge Results

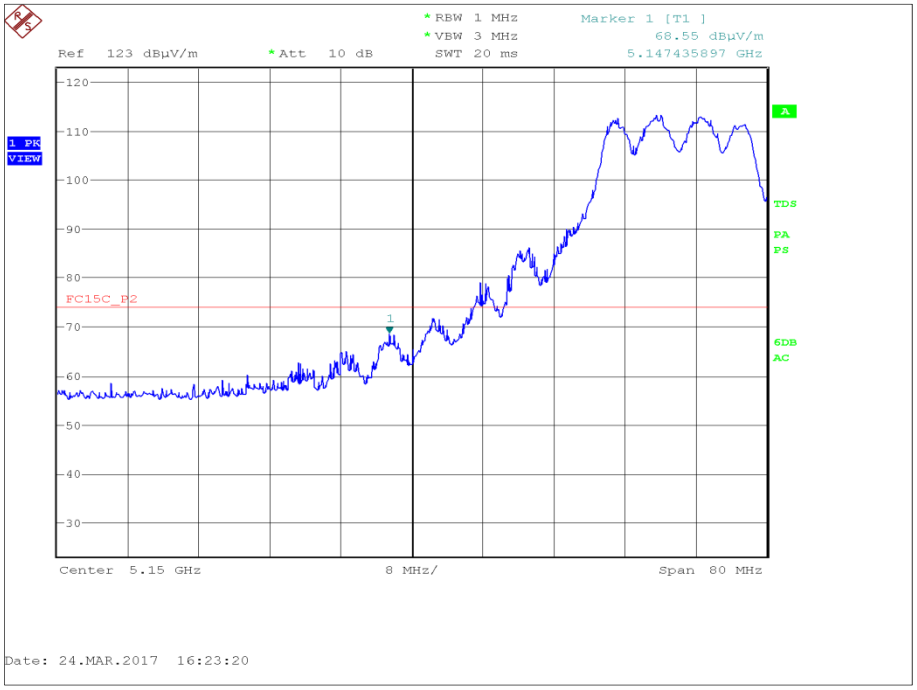

Figure 142 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

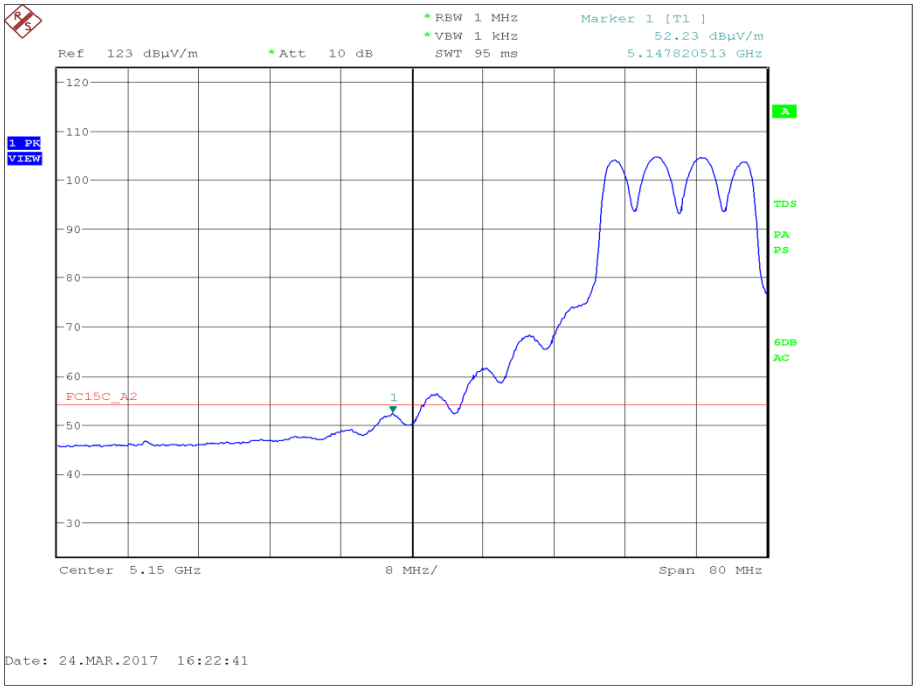

Figure 143 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

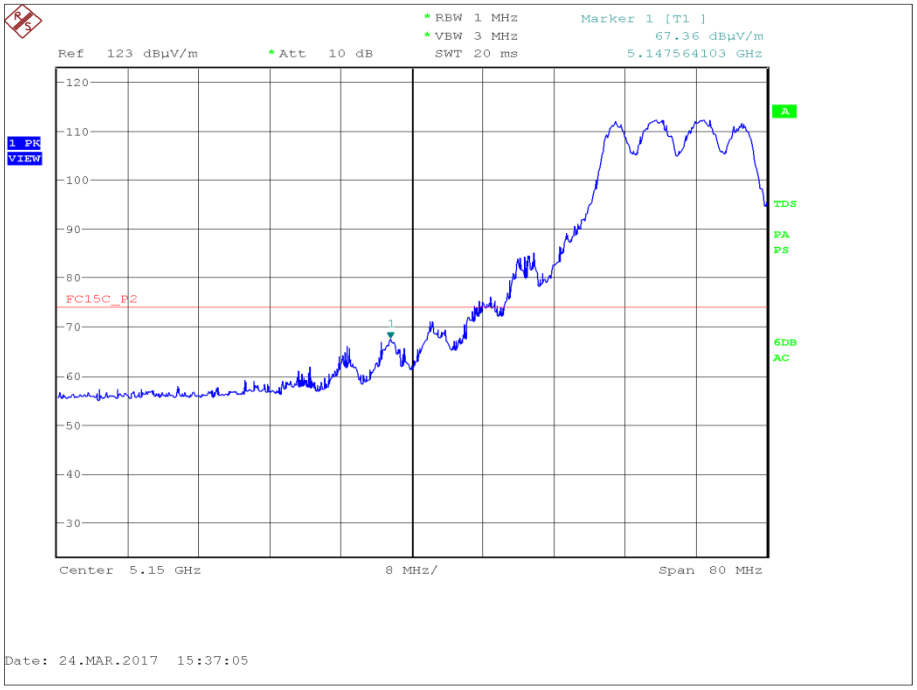

Figure 144 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

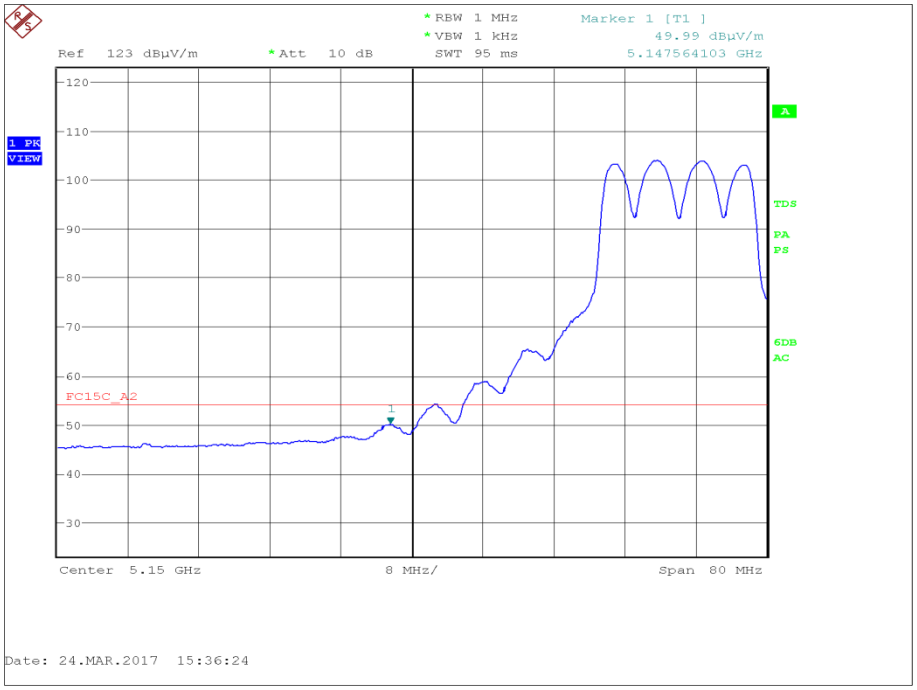

Figure 145 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

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	67.38	53.13
Widest Emission Bandwidth	12 Mbps	5180	5350	70.24	53.54

Table 168 - UNII 2a - Restricted Band Edge Results

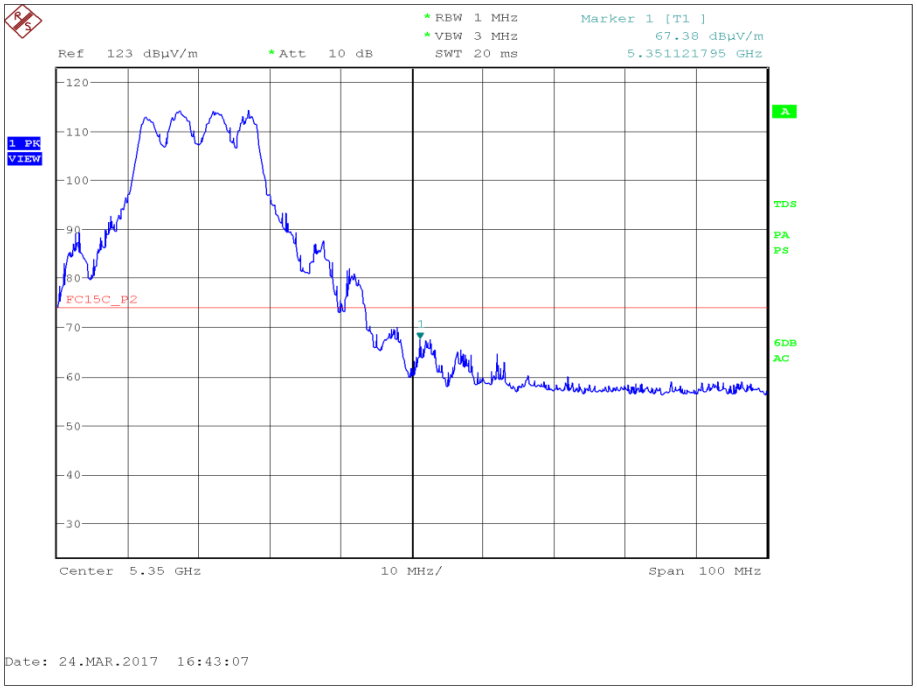

Figure 146 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

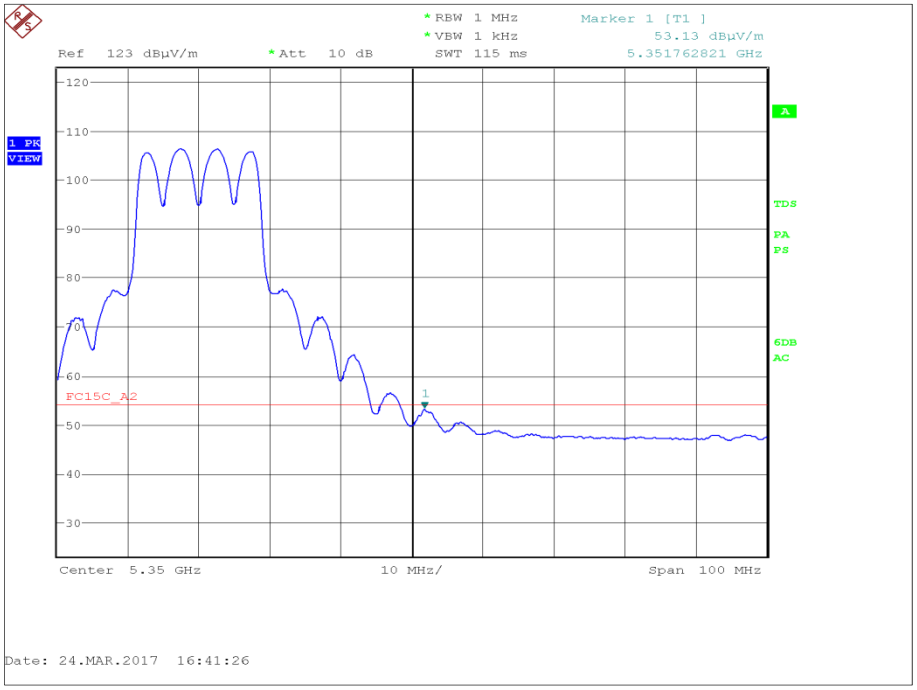

Figure 147 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

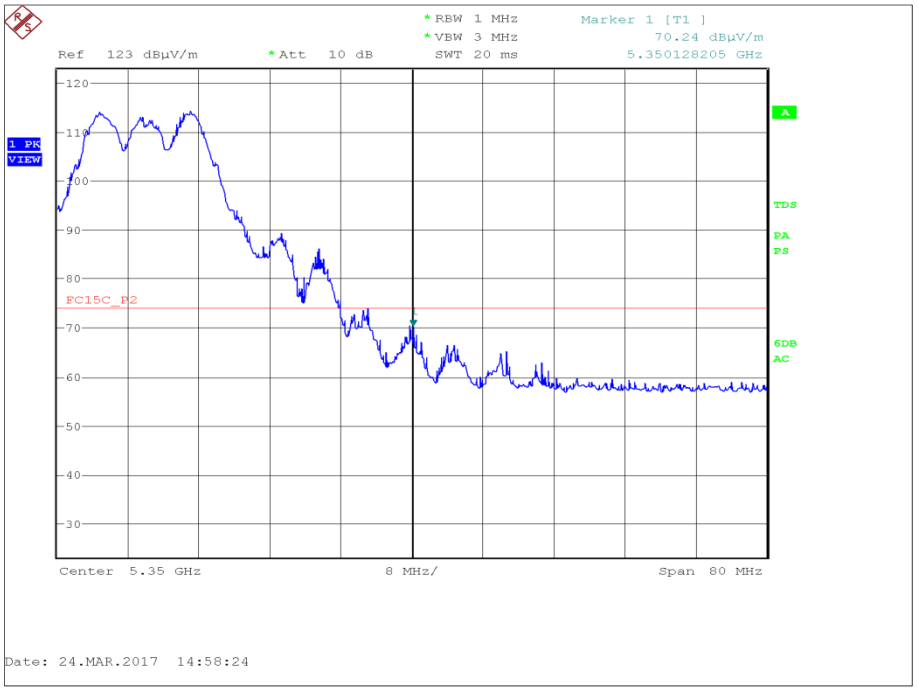

Figure 148 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

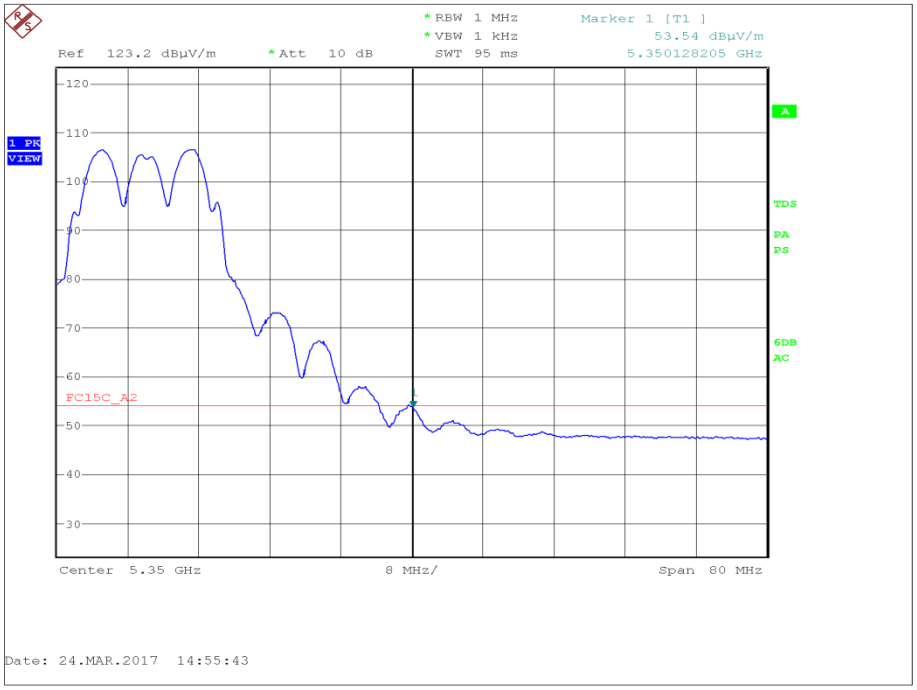

Figure 149 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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	67.38	53.13
Widest Emission Bandwidth	12 Mbps	5180	5350	70.24	53.54

Table 169 - UNII 2c- Restricted Band Edge Results

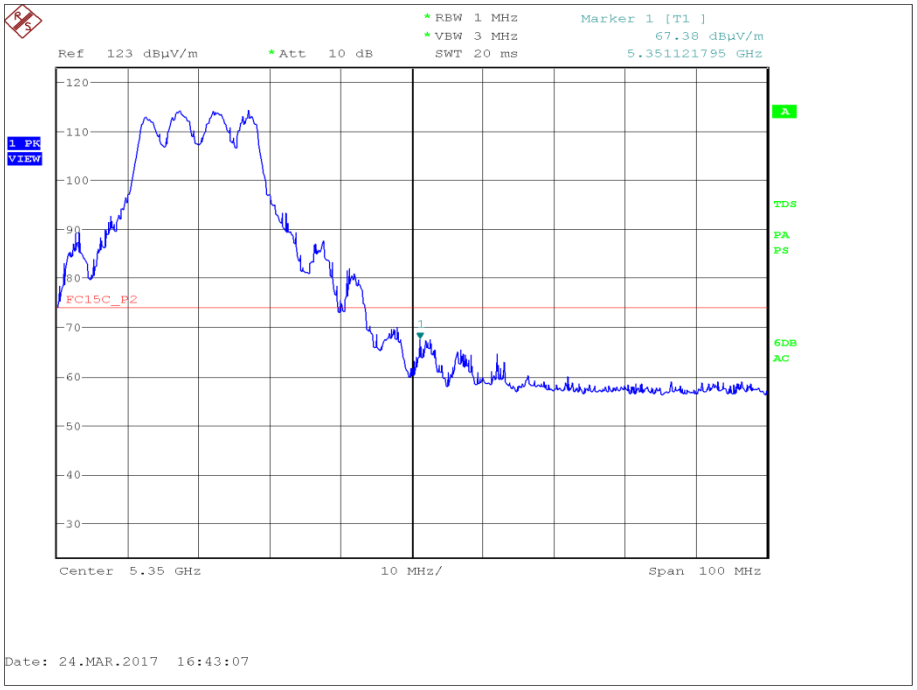

Figure 150 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

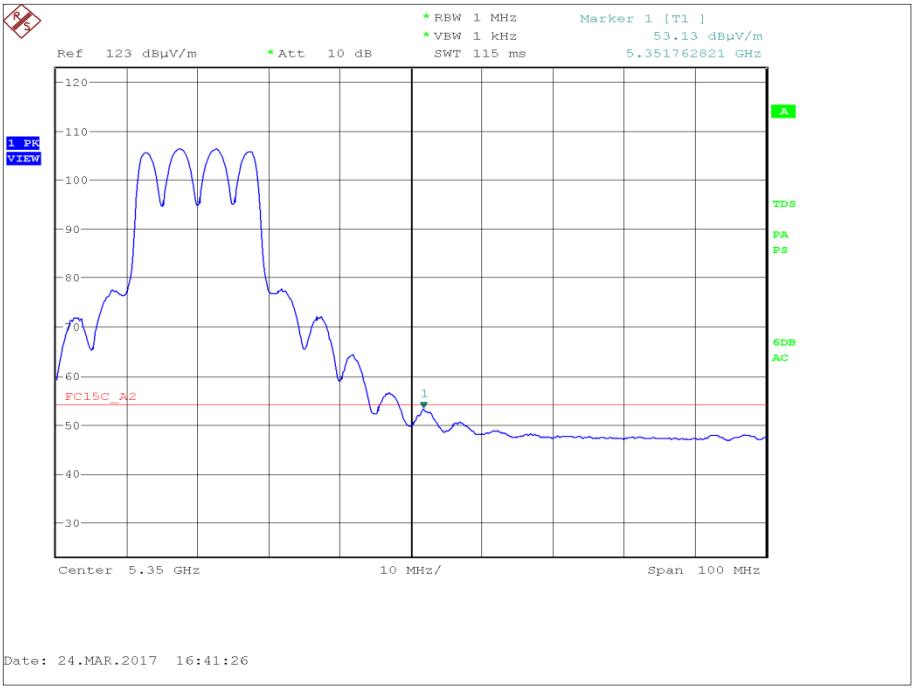

Figure 151 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

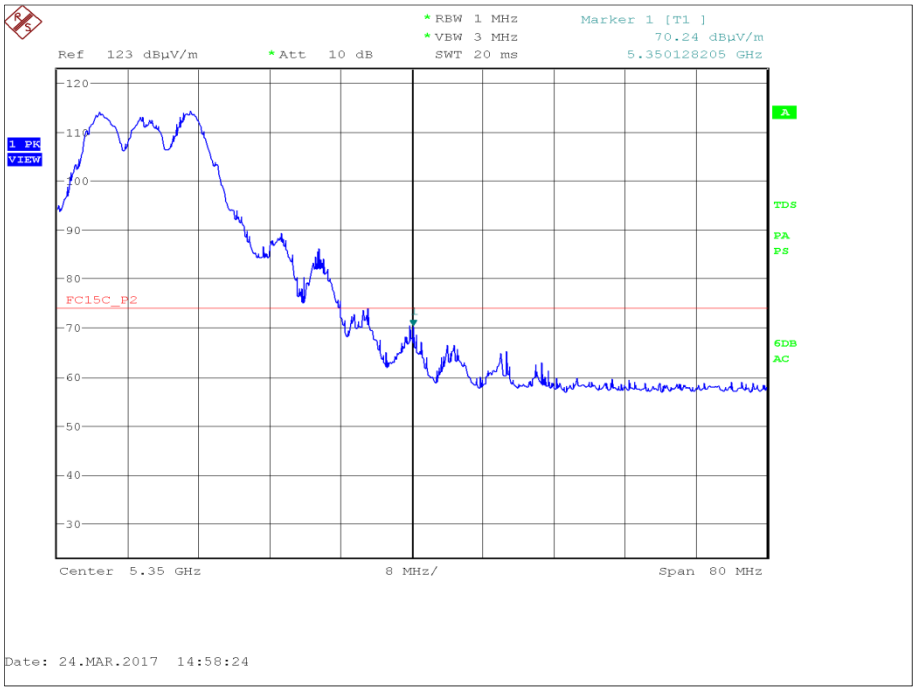

Figure 152 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

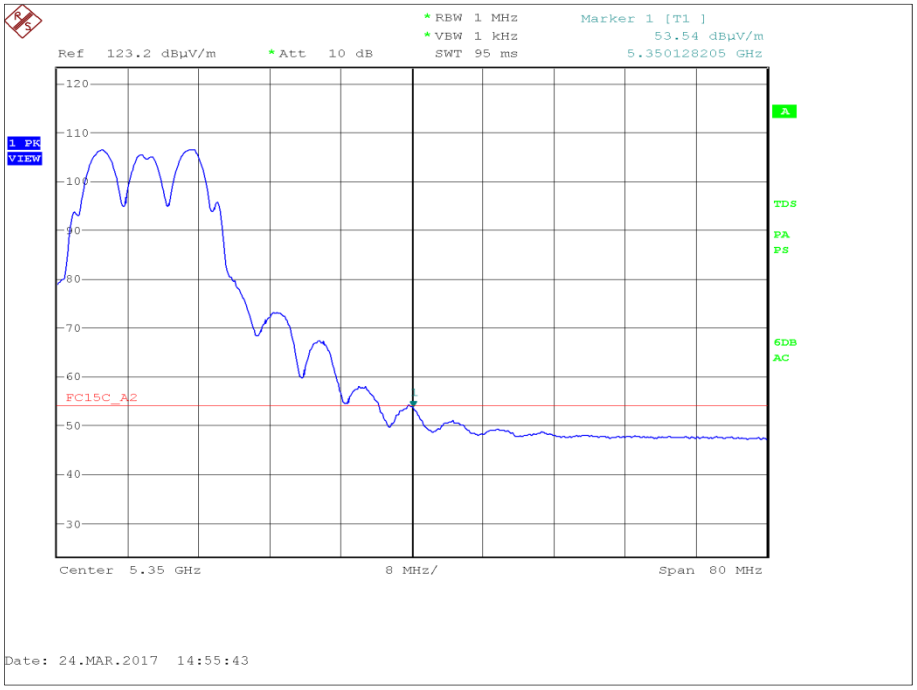

Figure 153 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 170

ANT793-6DG - 802.11a

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5150	68.52	48.05
Widest Emission Bandwidth	12 Mbps	5180	5150	65.66	49.61

Table 171 - UNII 1 - Restricted Band Edge Results

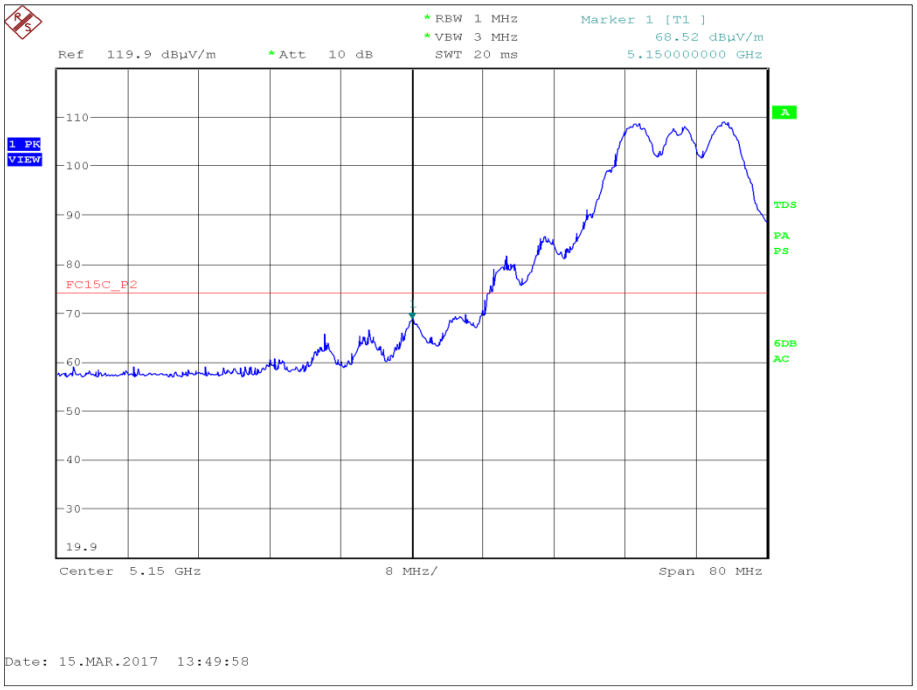

Figure 154 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

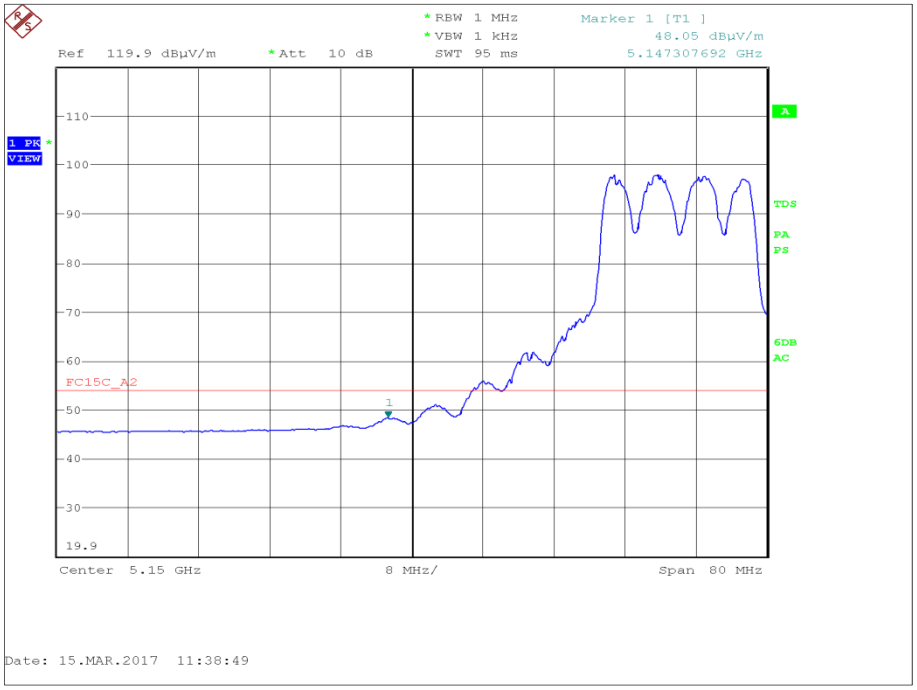

Figure 155 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

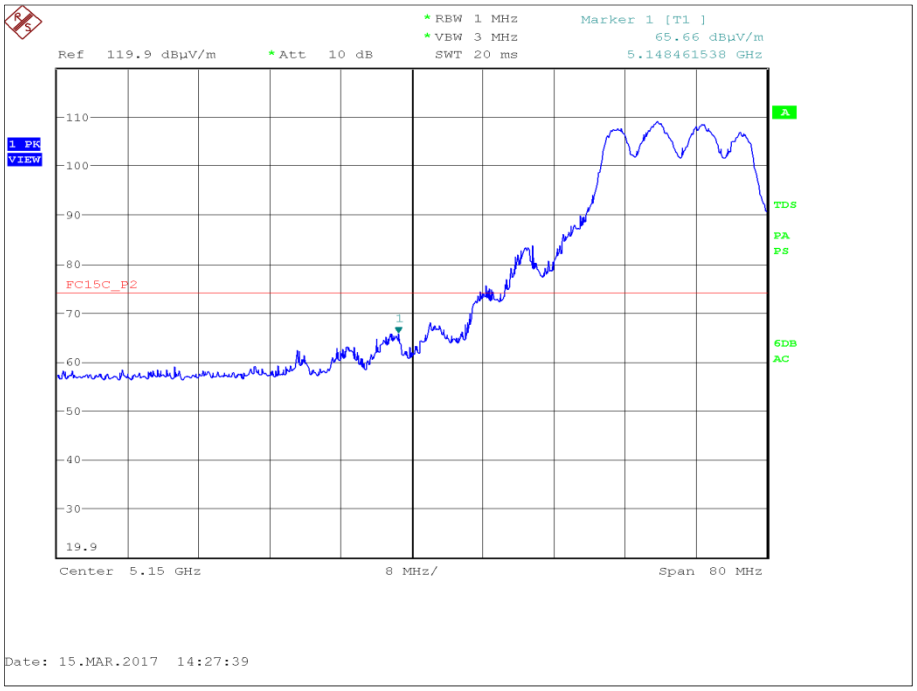

Figure 156 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

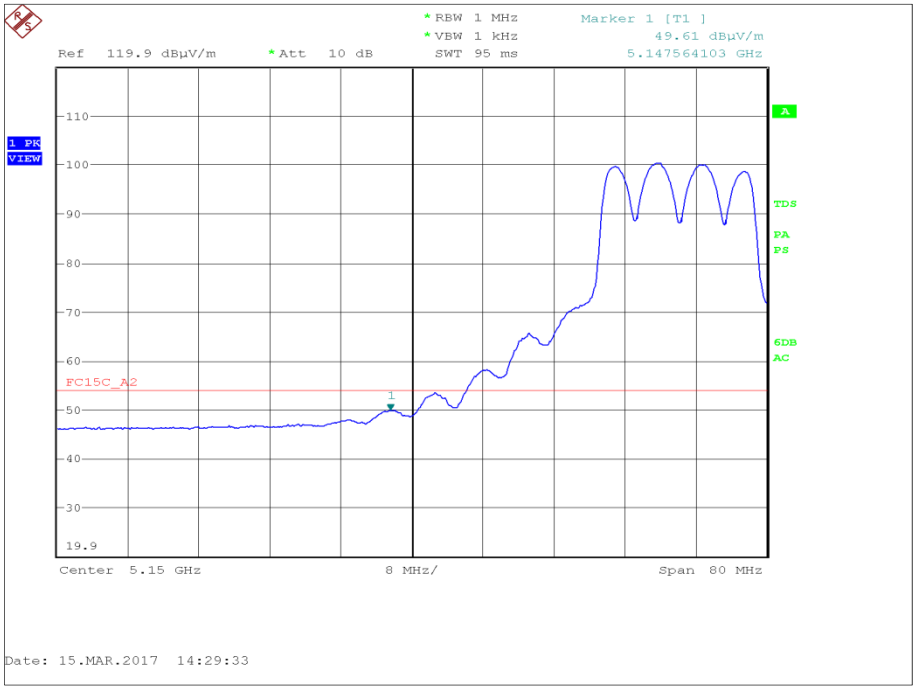

Figure 157 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	62.01	47.67
Widest Emission Bandwidth	12 Mbps	5180	5350	63.73	49.07

Table 172 - UNII 2a - Restricted Band Edge Results

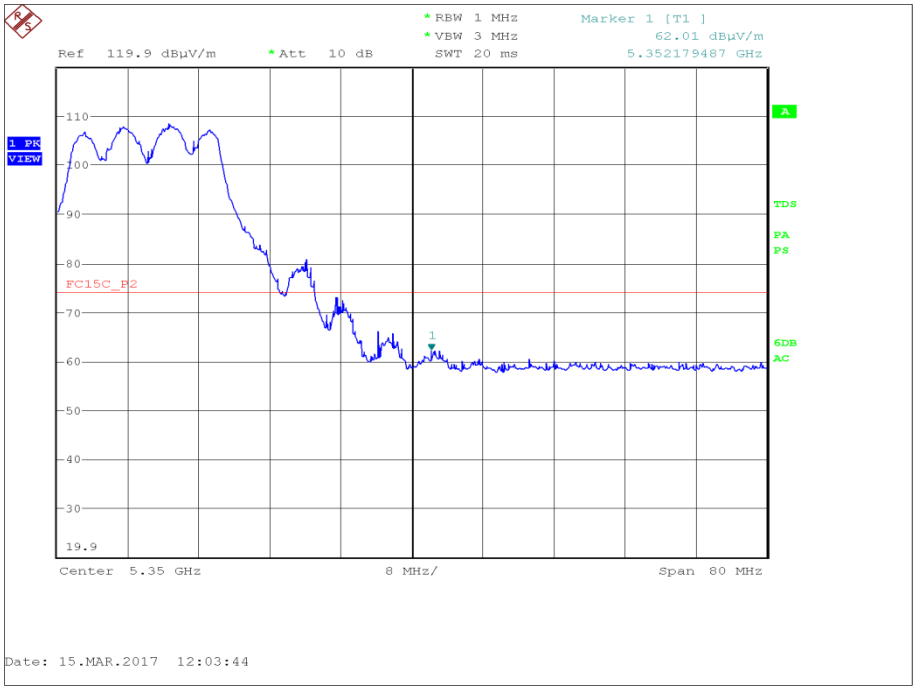

Figure 158 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

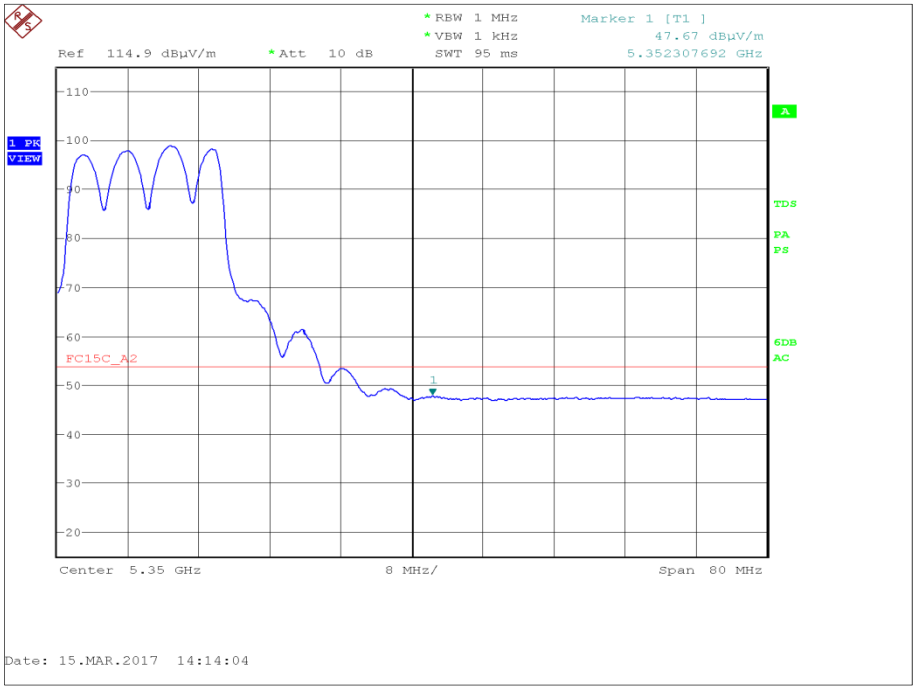

Figure 159 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

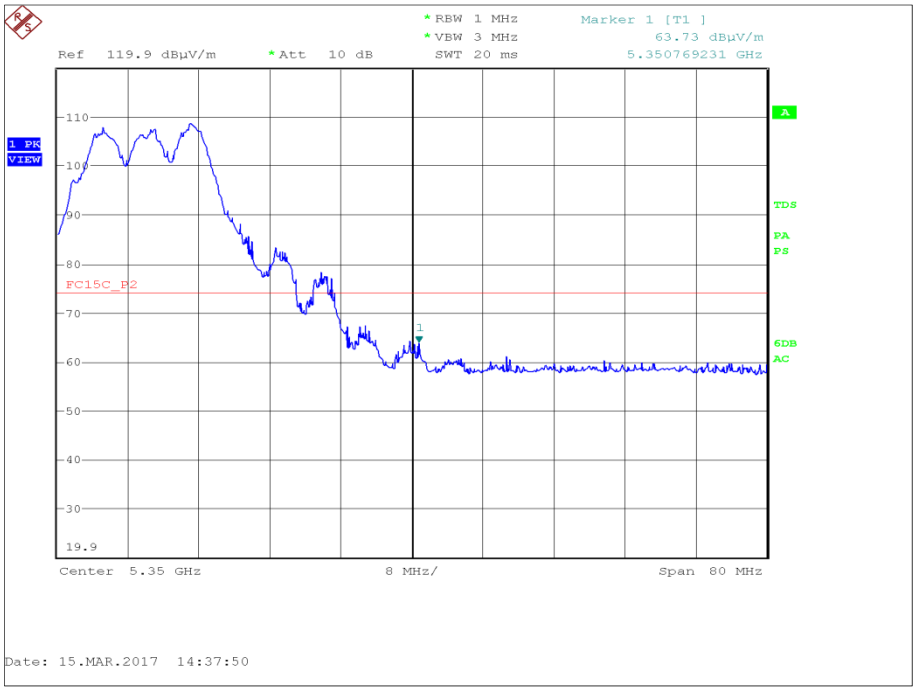

Figure 160 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

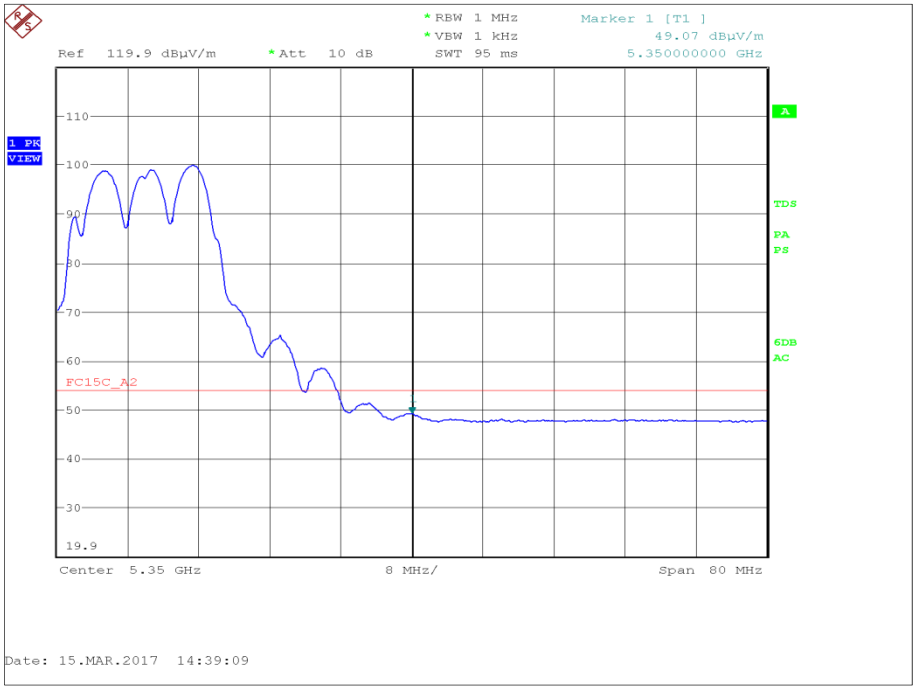

Figure 161 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	62.01	47.67
Widest Emission Bandwidth	12 Mbps	5180	5350	63.73	49.07

Table 173 - UNII 2c- Restricted Band Edge Results

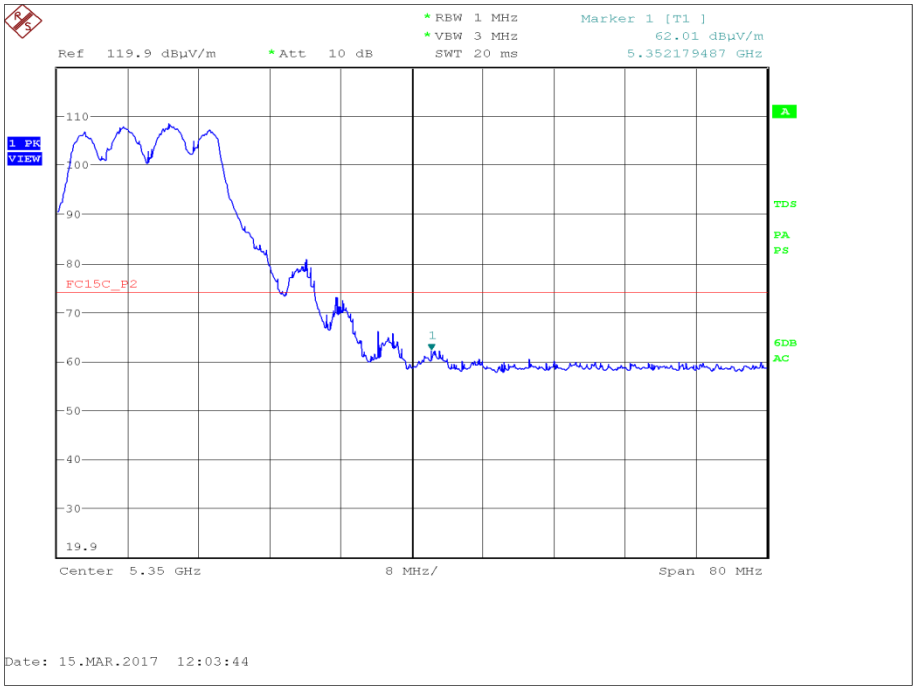

Figure 162 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

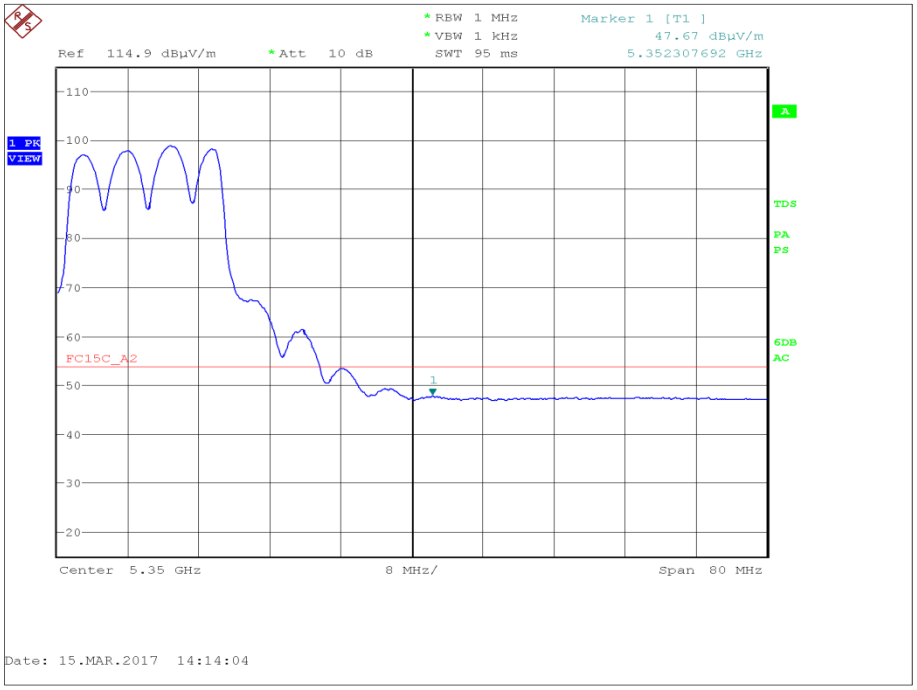

Figure 163 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

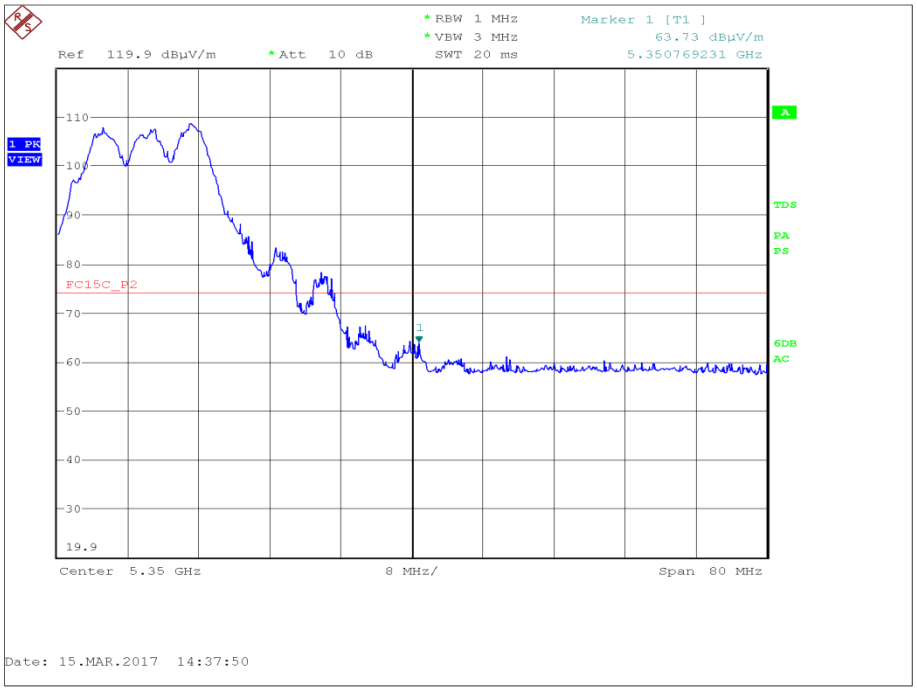

Figure 164 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

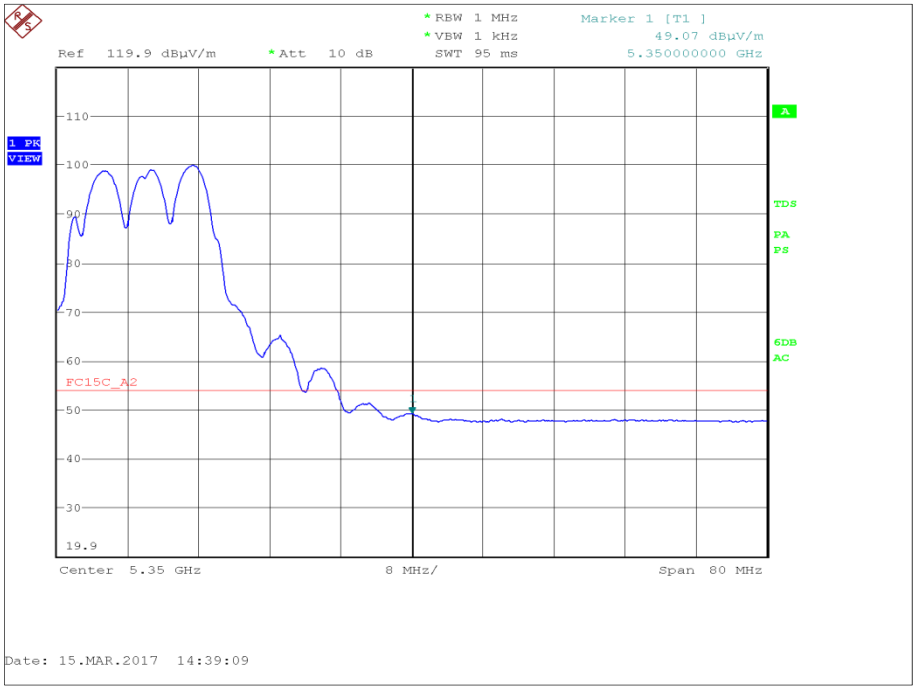

Figure 165 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 174

ANT793-8DK + 10m Cable - 802.11a

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5150	70.87	52.33
Widest Emission Bandwidth	12 Mbps	5180	5150	70.91	52.77

Table 175 - UNII 1 - Restricted Band Edge Results

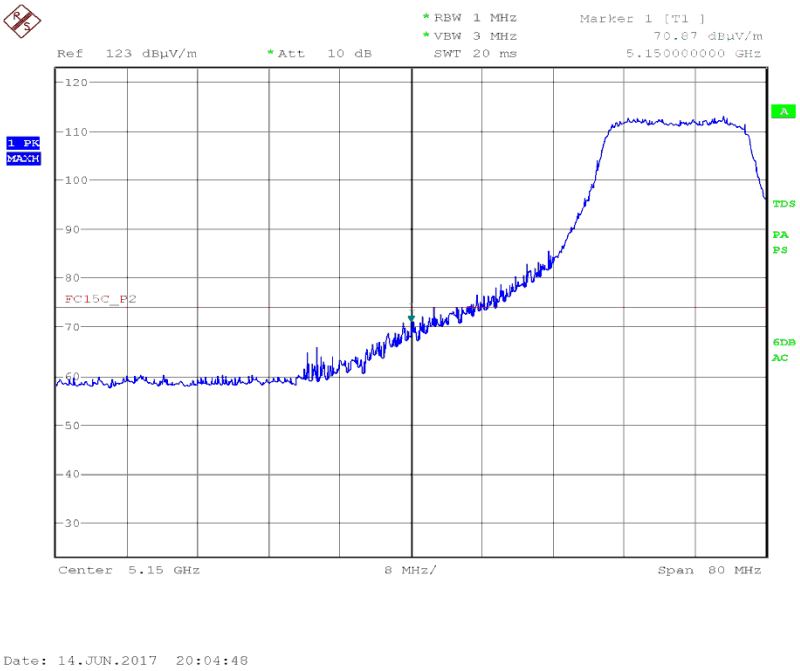

Figure 166 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

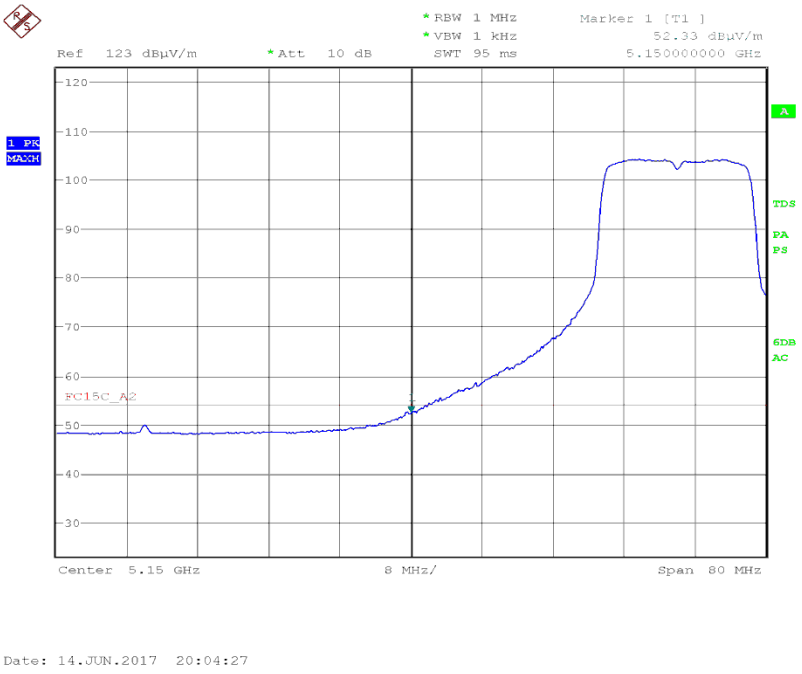

Figure 167 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

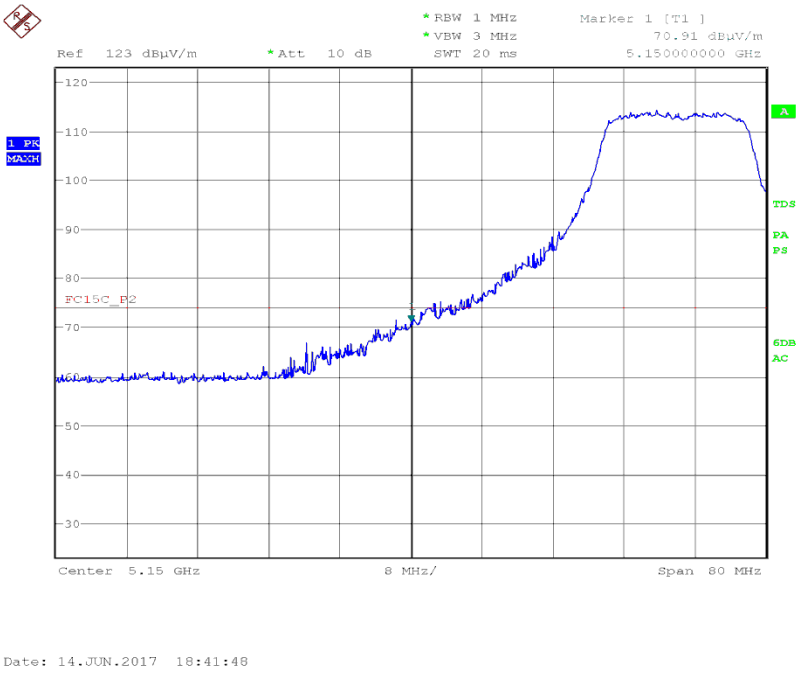

Figure 168 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

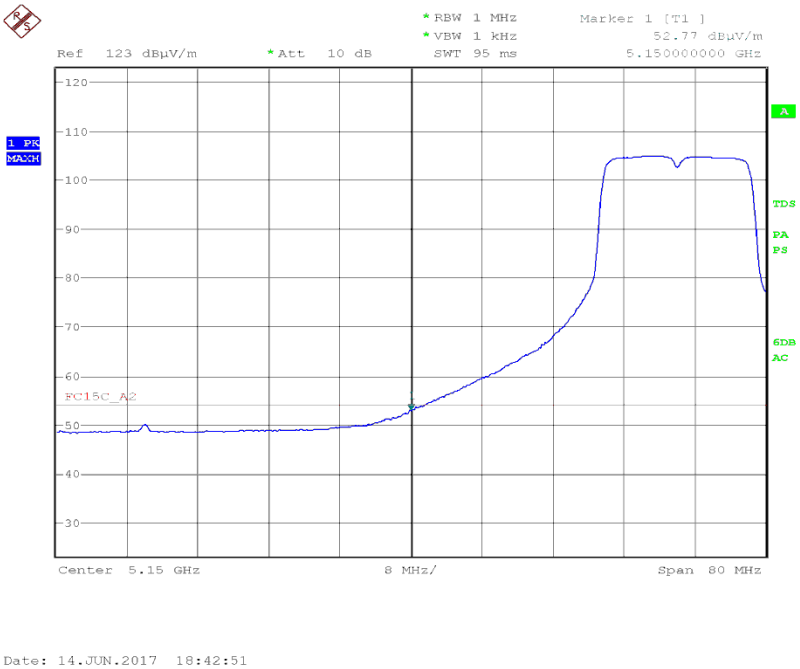

Figure 169 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	65.10	49.77
Widest Emission Bandwidth	12 Mbps	5180	5350	59.91	47.42

Table 176 - UNII 2a - Restricted Band Edge Results

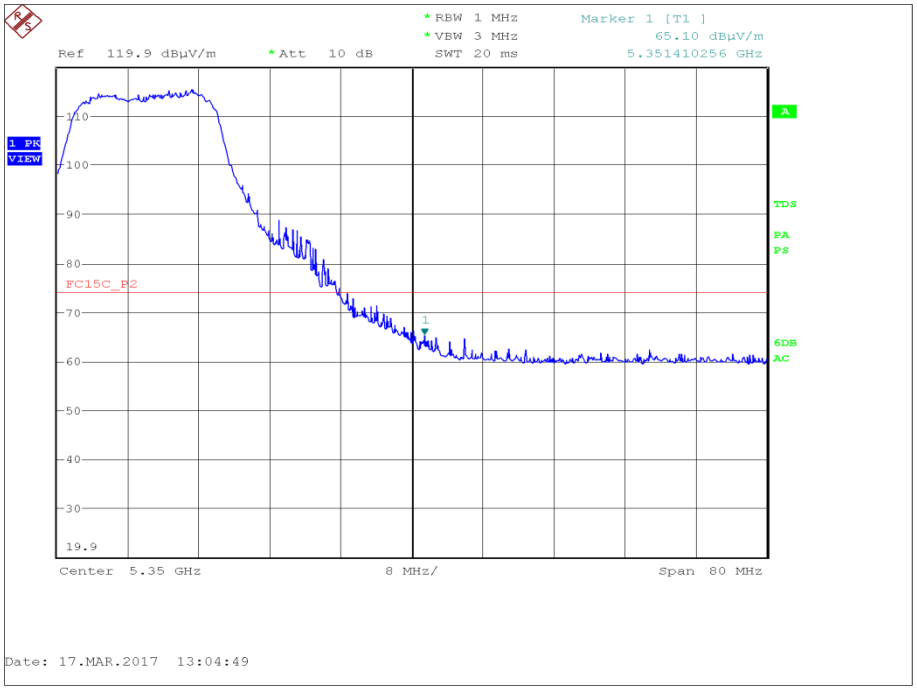

Figure 170 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

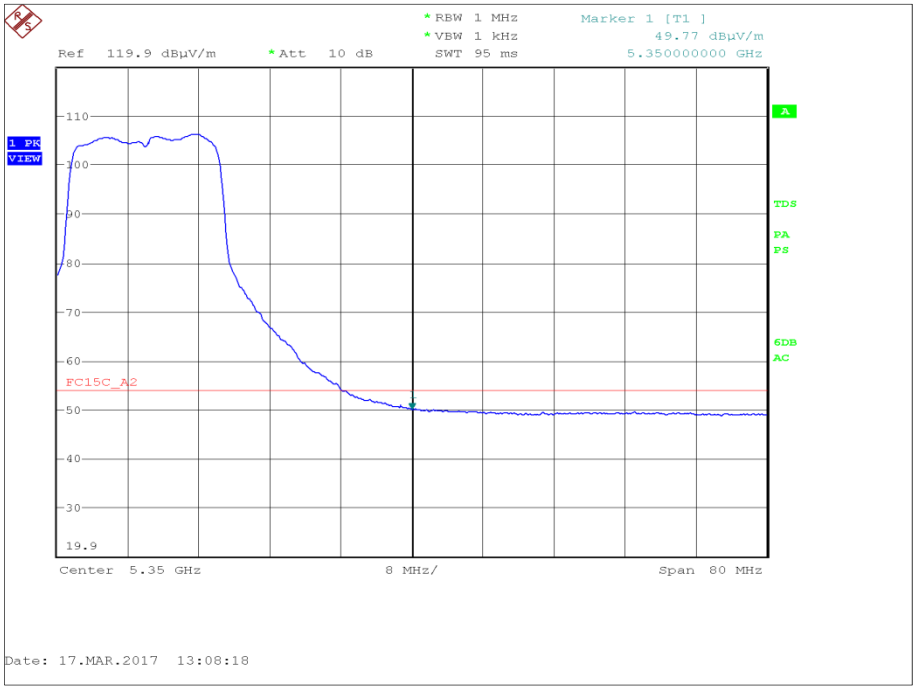

Figure 171 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

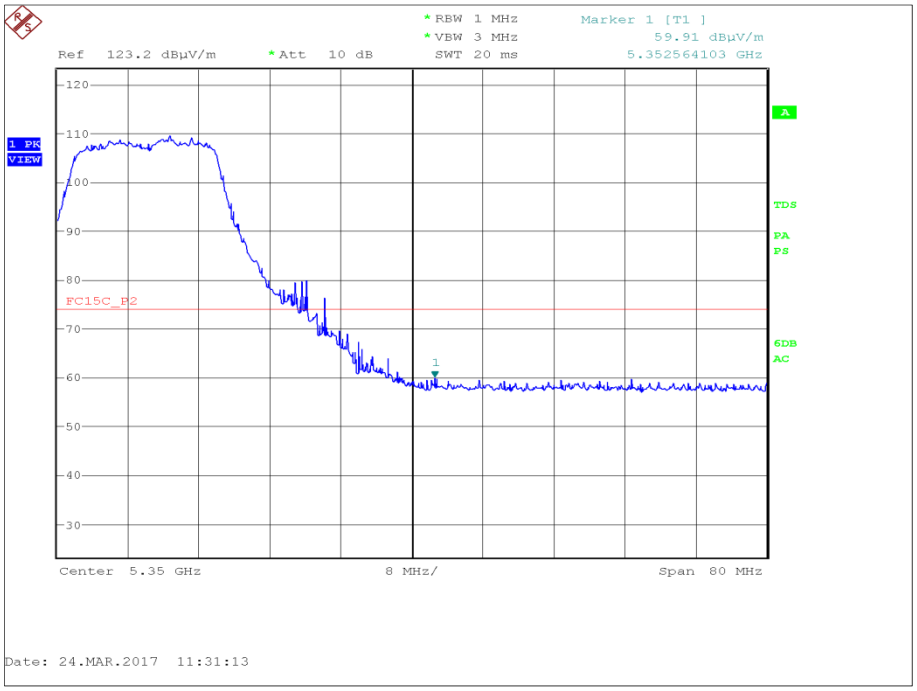

Figure 172 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

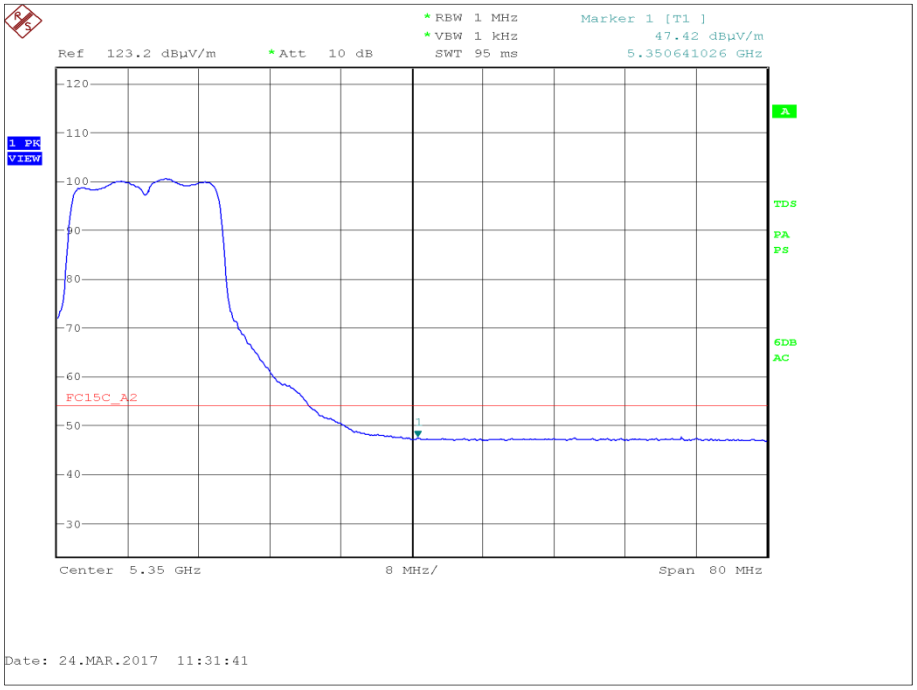

Figure 173 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	65.10	49.77
Widest Emission Bandwidth	12 Mbps	5180	5350	59.91	47.42

Table 177 - UNII 2c- Restricted Band Edge Results

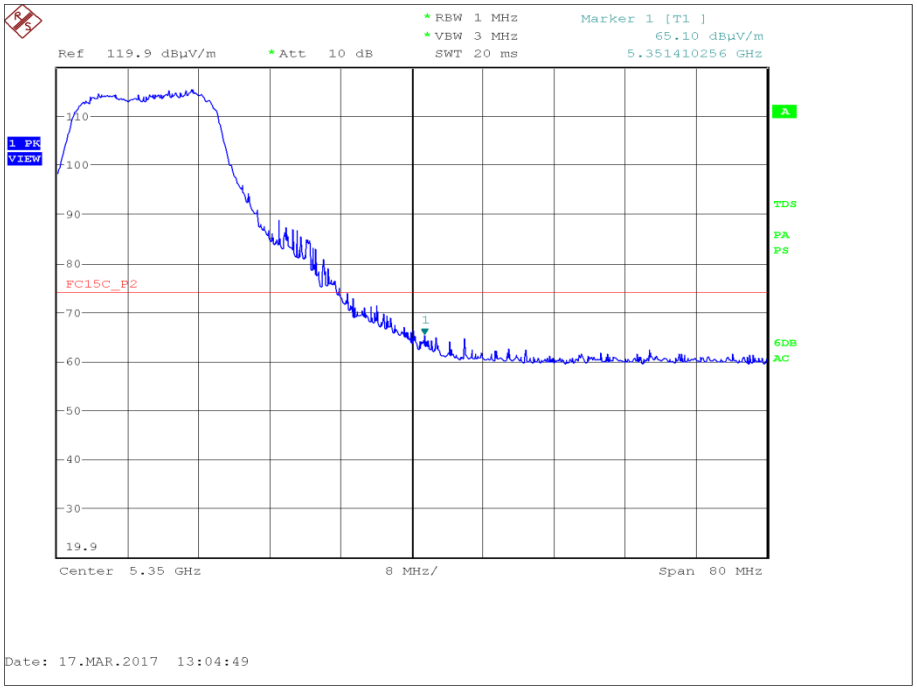

Figure 174 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

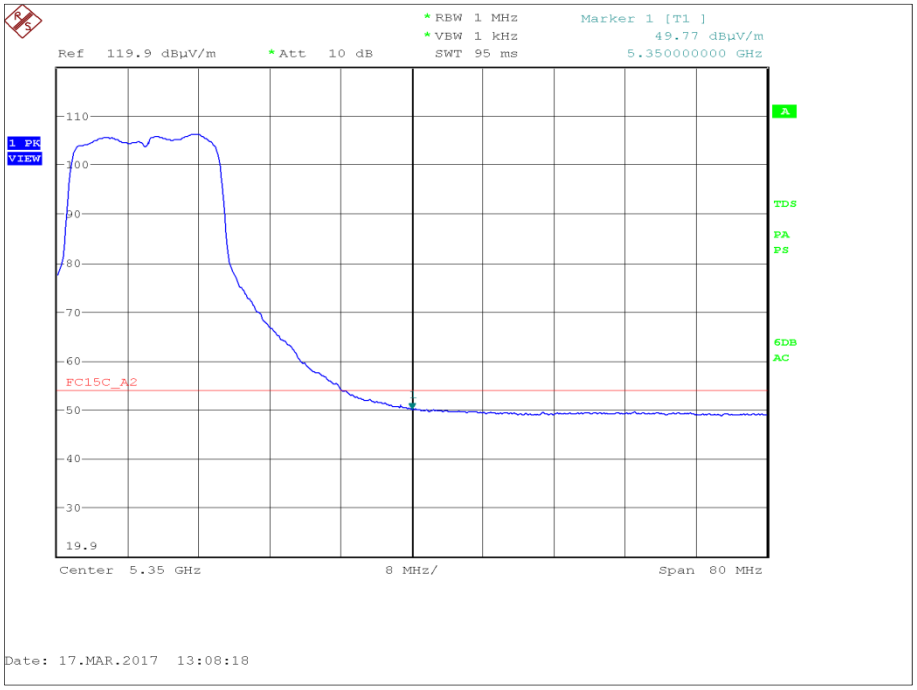

Figure 175 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

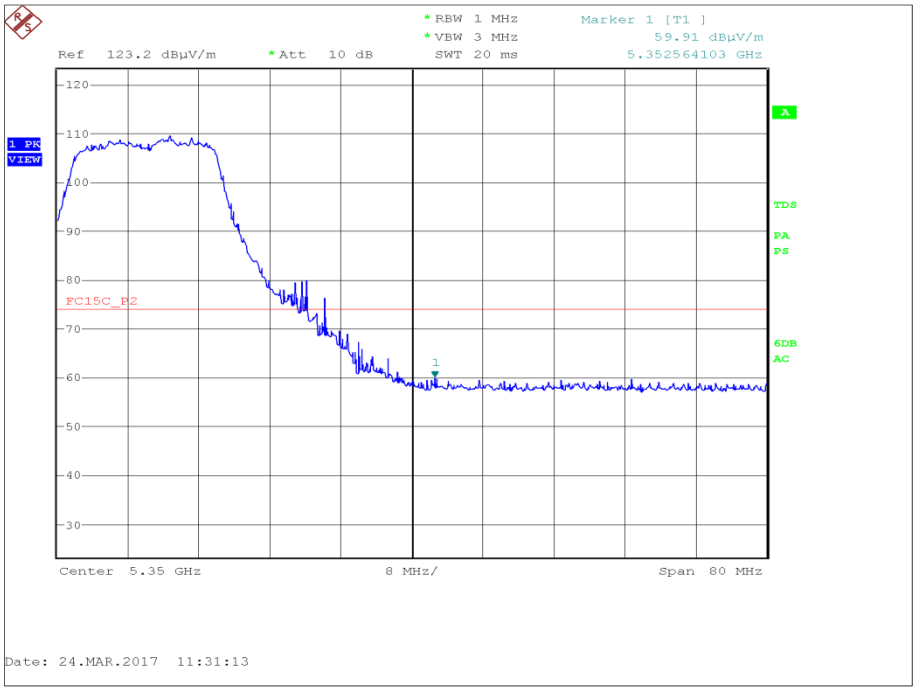

Figure 176 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

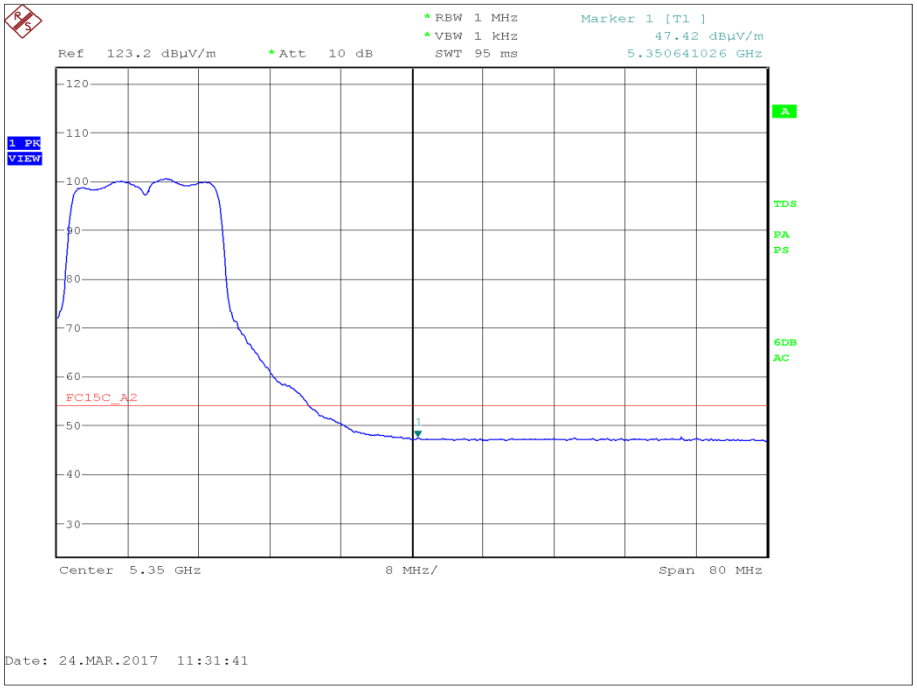

Figure 177 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 178

ANT795-6MT - 802.11n 20 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5180	5150	65.12	51.39
Widest Emission Bandwidth	MCS3	5180	5150	67.36	51.12

Table 179 - UNII 1 - Restricted Band Edge Results

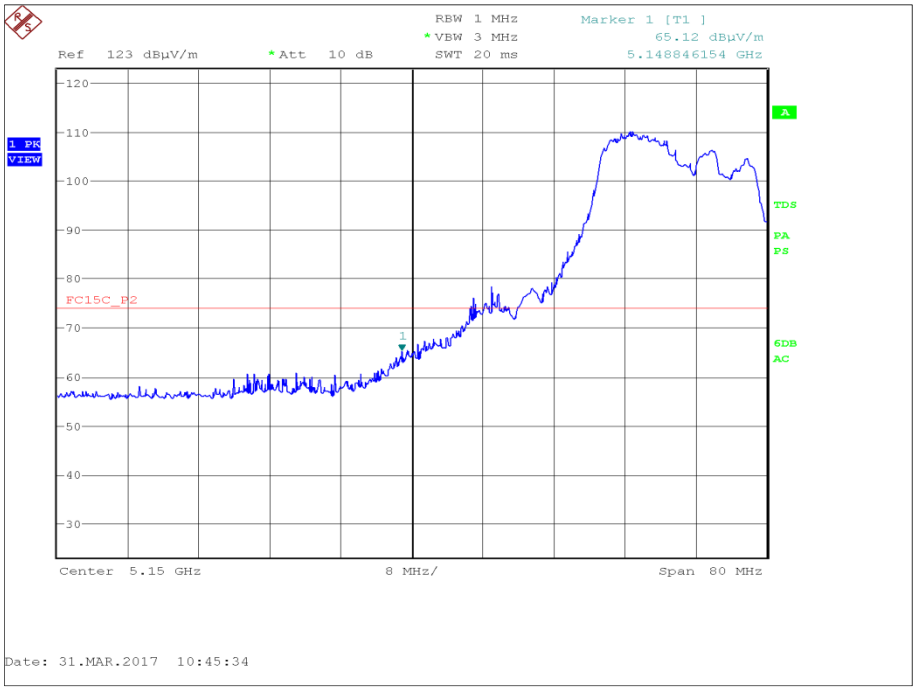

Figure 178 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

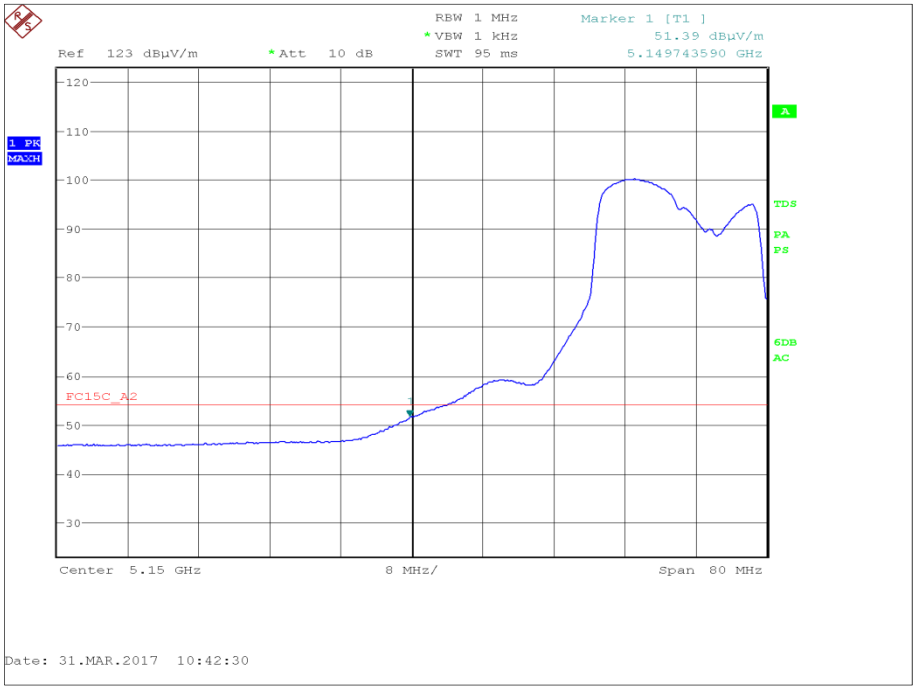

Figure 179 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

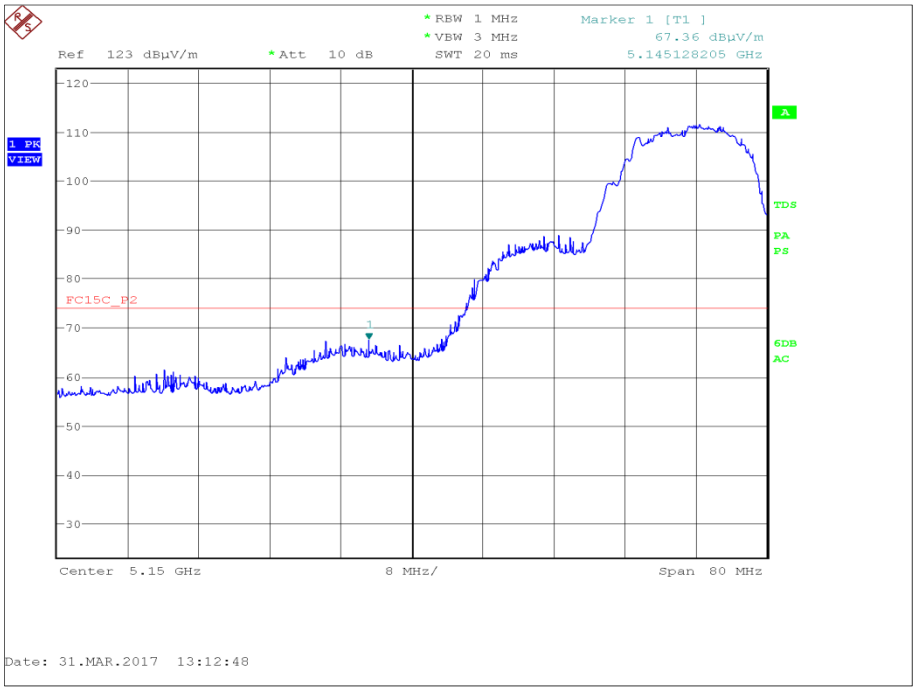

Figure 180 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

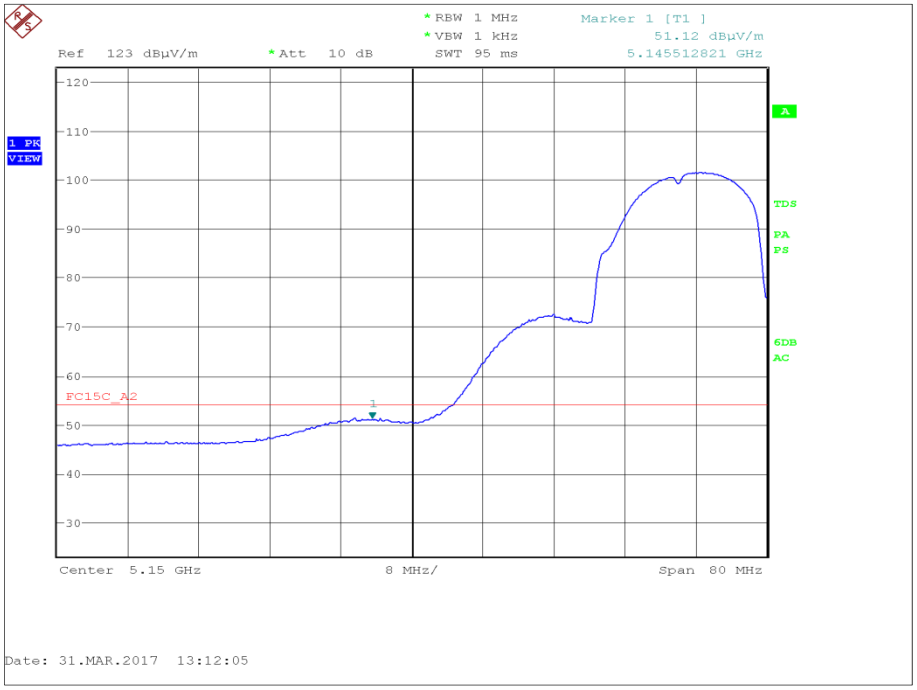

Figure 181 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5180	5350	69.90	52.58
Widest Emission Bandwidth	MCS3	5180	5350	72.03	53.14

Table 180 - UNII 2a - Restricted Band Edge Results

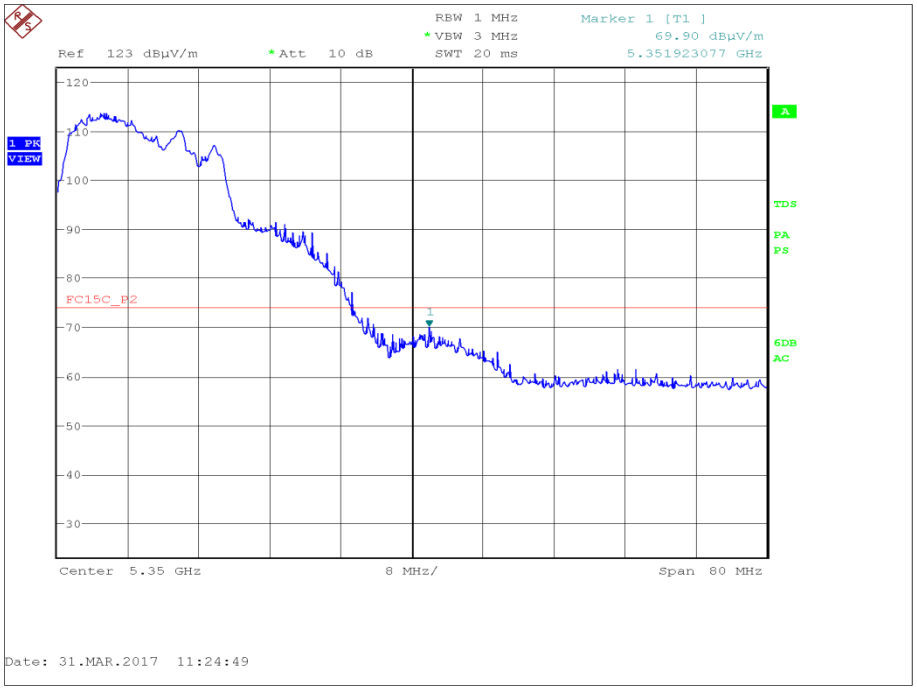

Figure 182 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

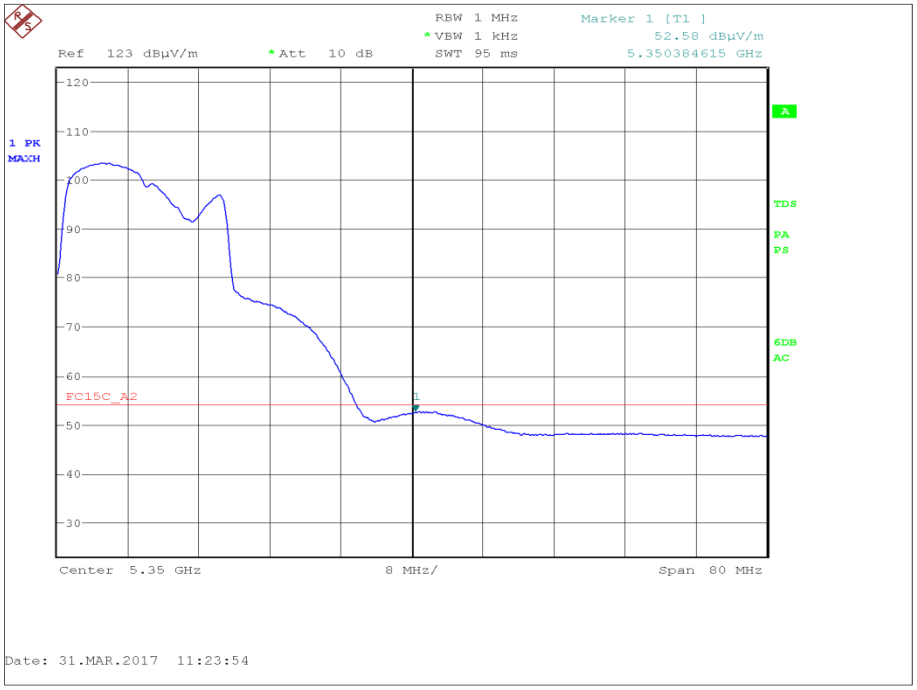

Figure 183 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

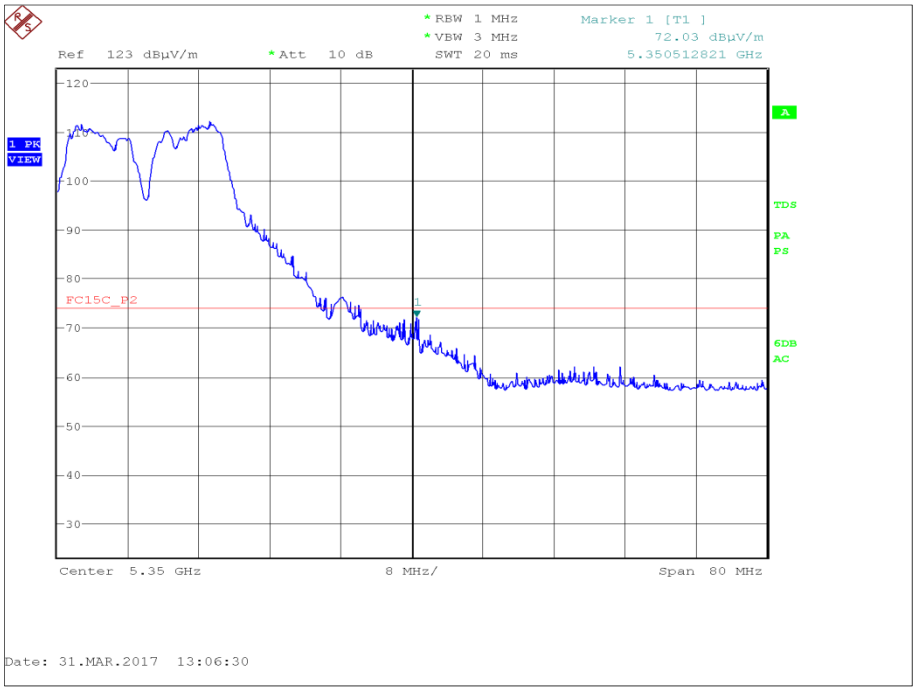

Figure 184 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

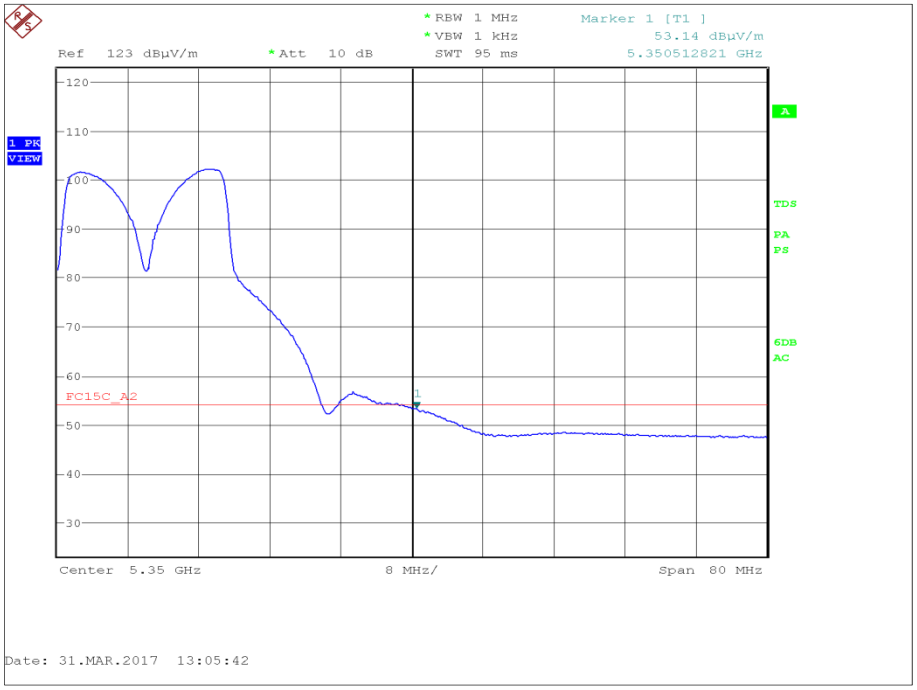

Figure 185 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5180	5350	69.90	52.58
Widest Emission Bandwidth	MCS3	5180	5350	72.03	53.14

Table 181 - UNII 2c- Restricted Band Edge Results

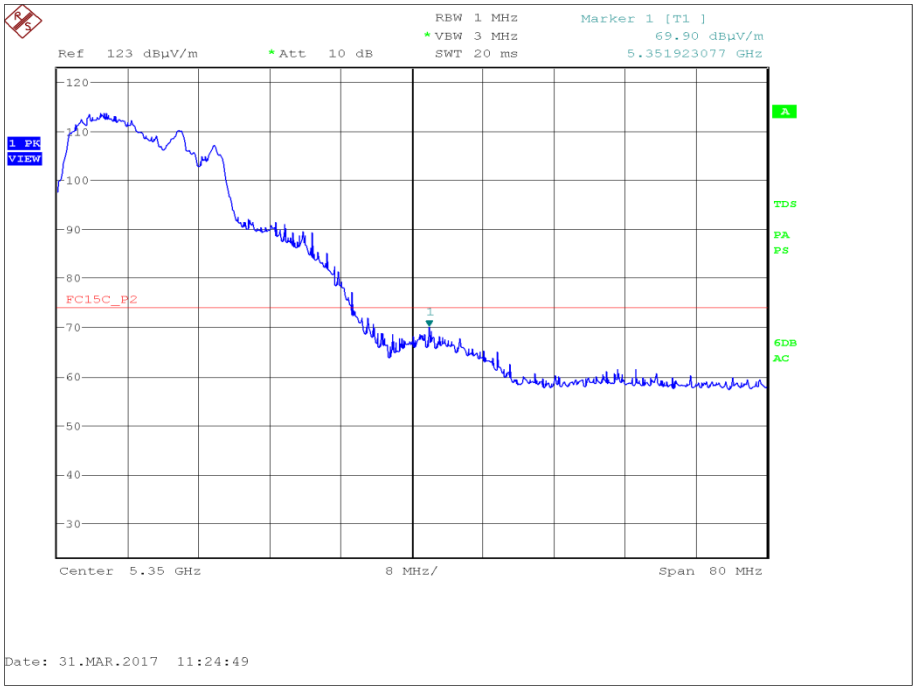

Figure 186 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

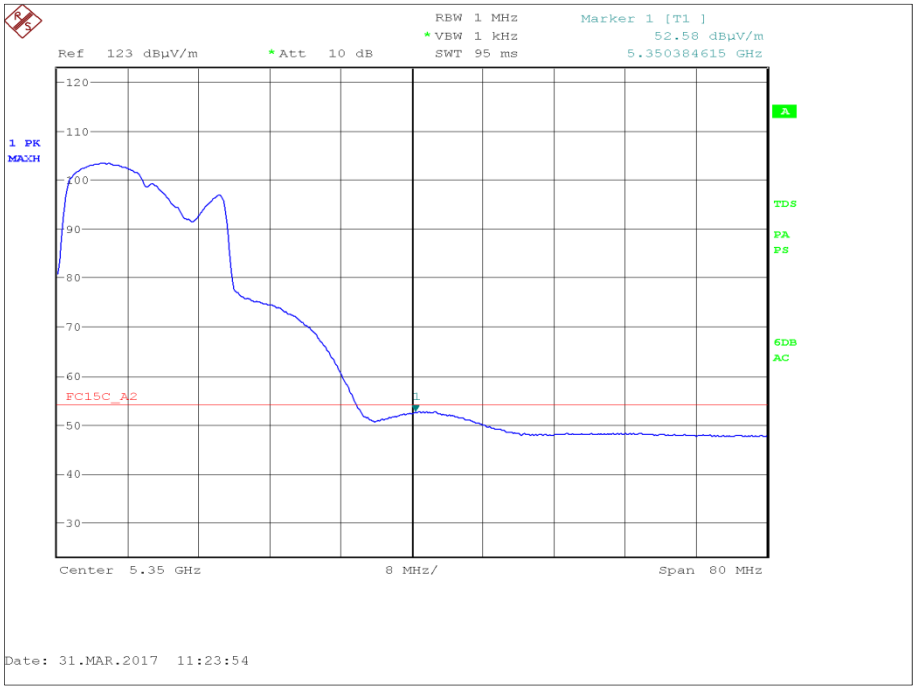

Figure 187 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

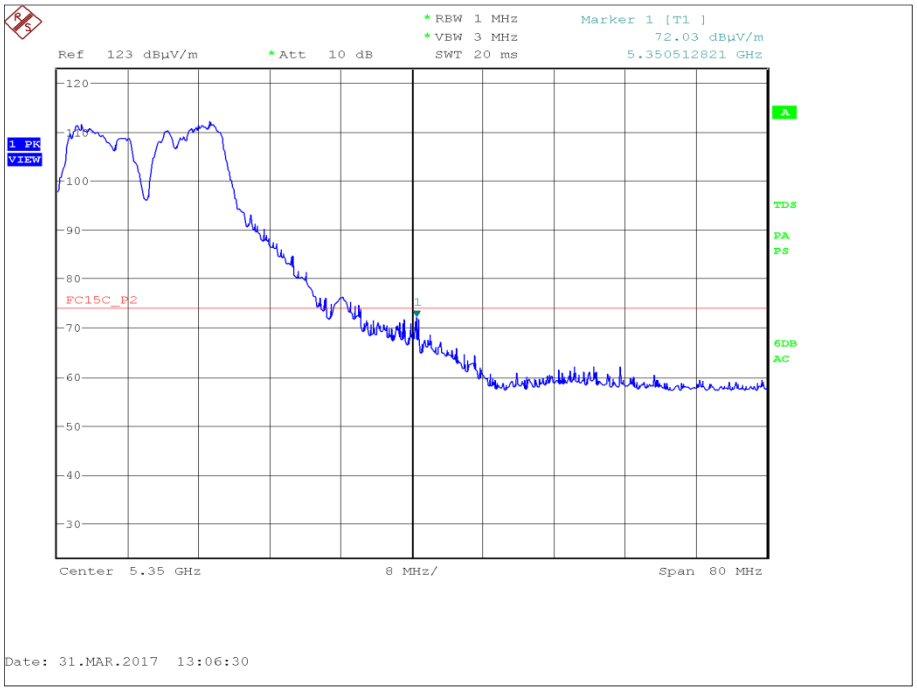

Figure 188 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

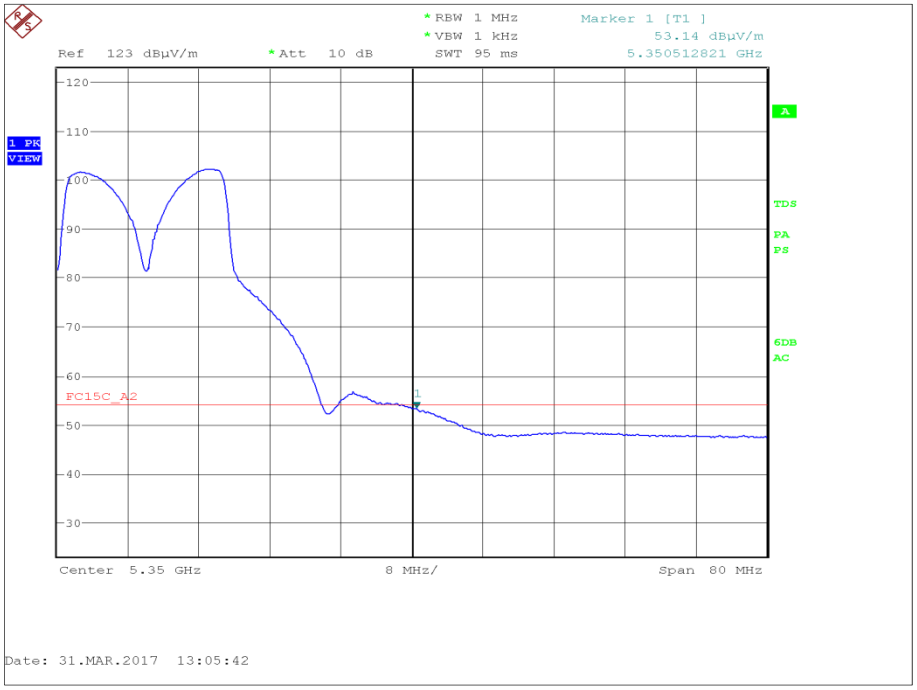

Figure 189 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 182

ANT793-6DG - 802.11n 20 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5150	63.68	48.17
Widest Emission Bandwidth	12 Mbps	5180	5150	68.59	51.24

Table 183 - UNII 1 - Restricted Band Edge Results

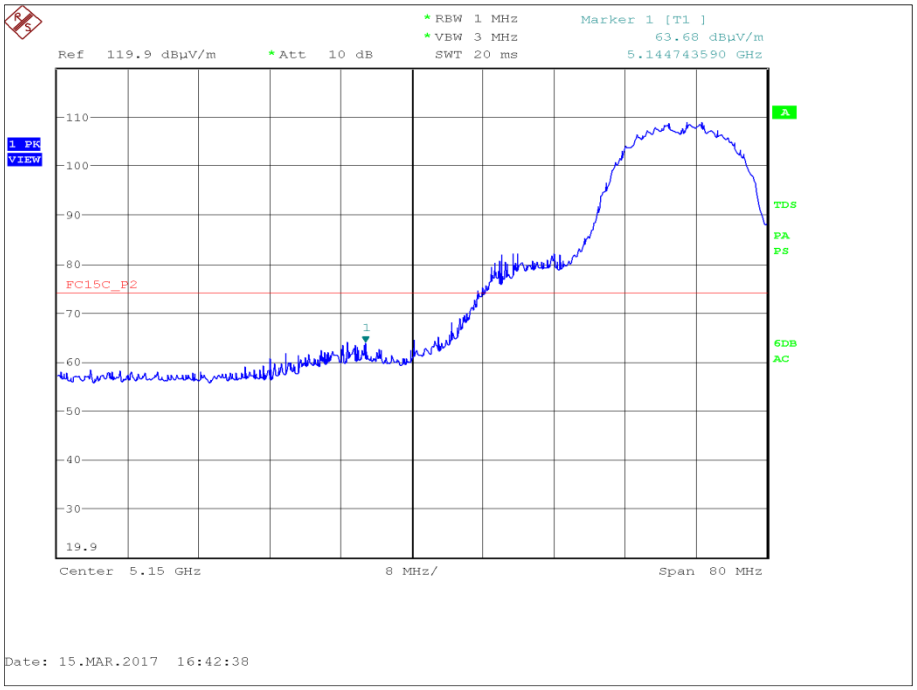

Figure 190 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

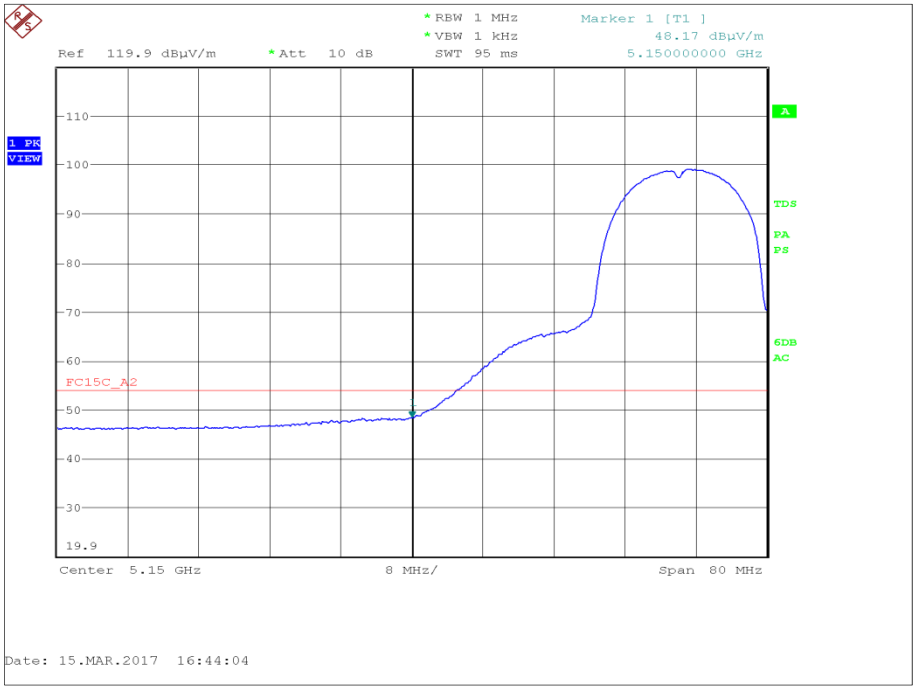

Figure 191 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

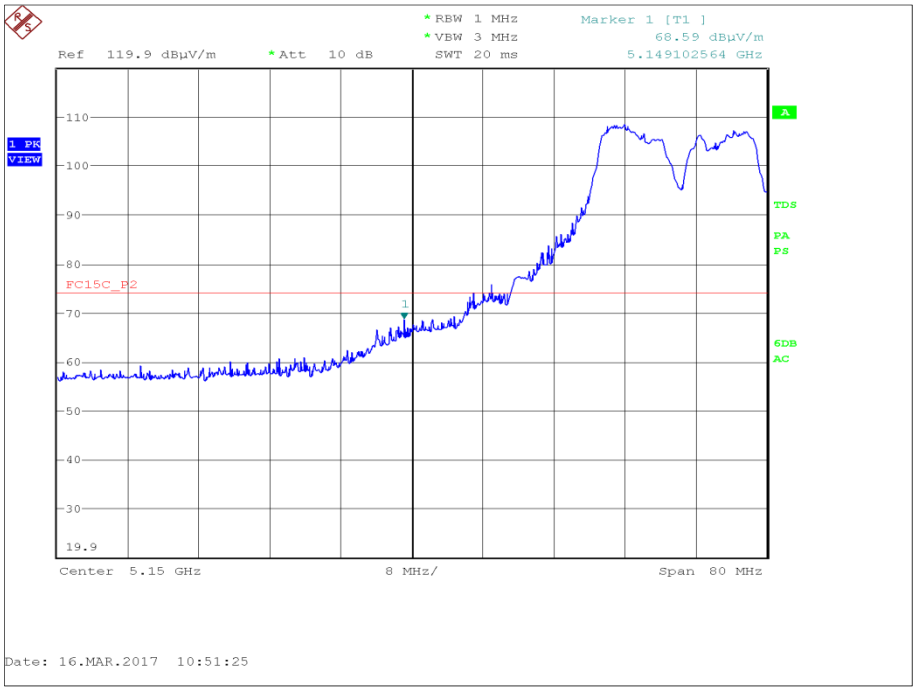

Figure 192 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

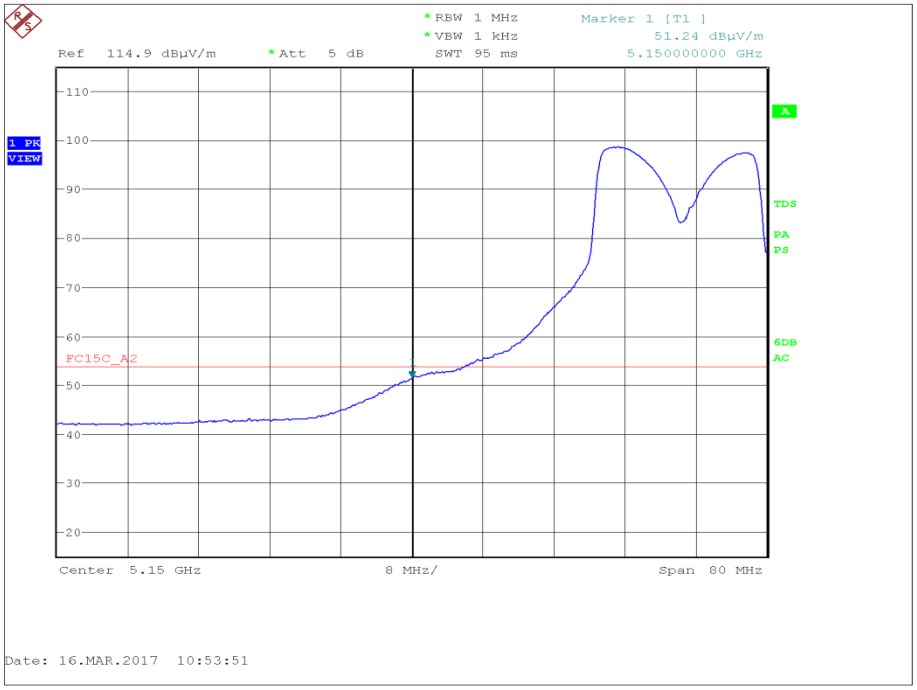

Figure 193 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	61.37	47.71
Widest Emission Bandwidth	12 Mbps	5180	5350	62.37	47.71

Table 184 - UNII 2a - Restricted Band Edge Results

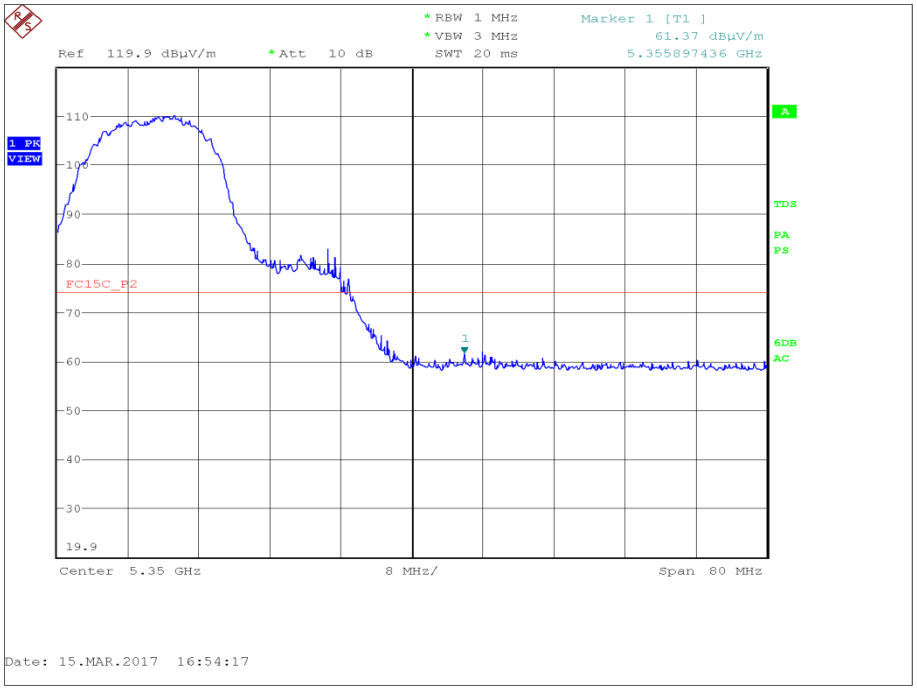

Figure 194 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

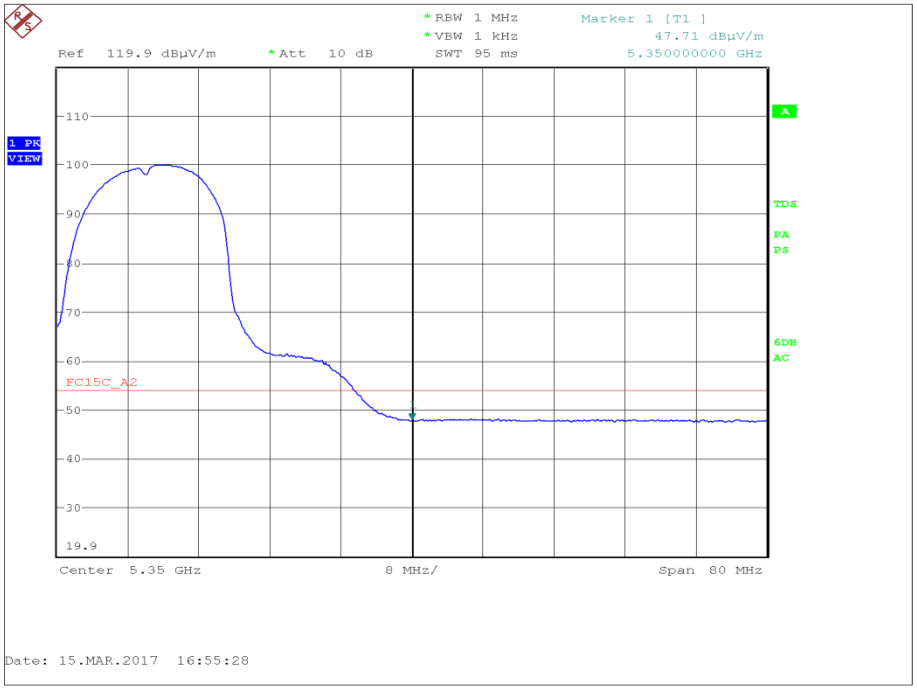

Figure 195 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

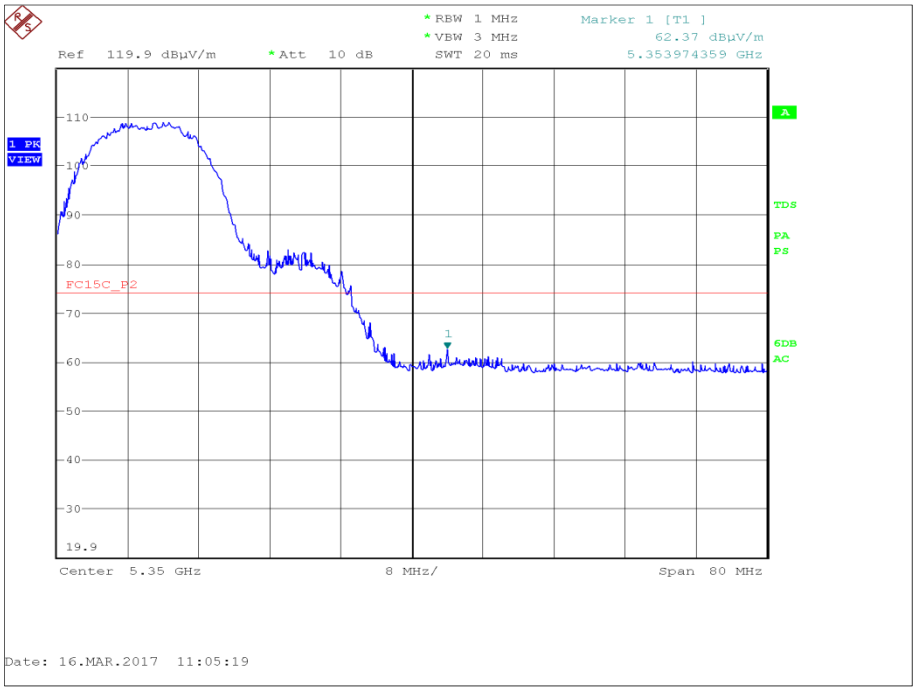

Figure 196 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

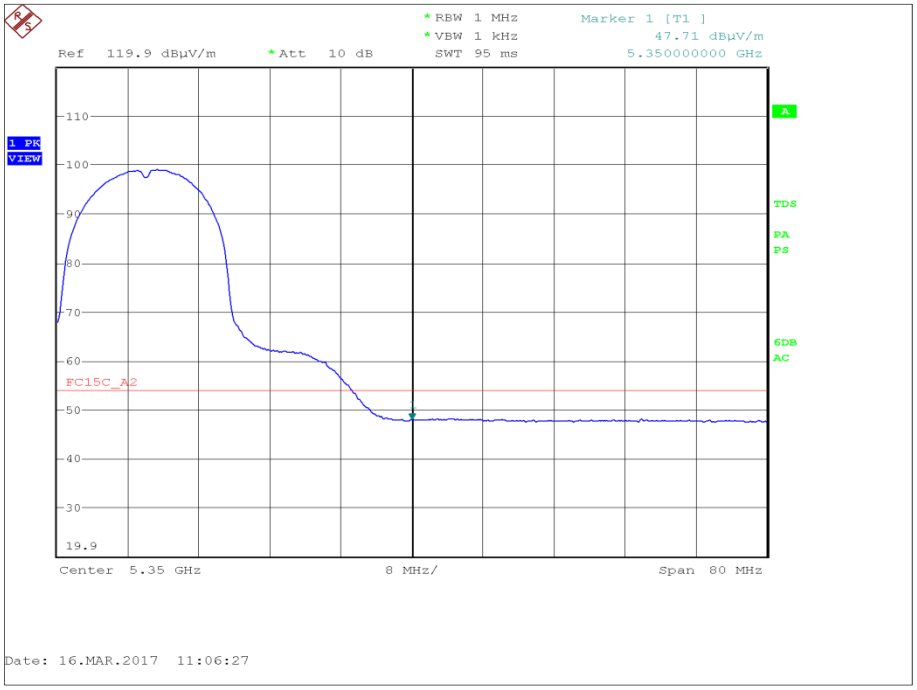

Figure 197 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	6 Mbps	5180	5350	61.37	47.71
Widest Emission Bandwidth	12 Mbps	5180	5350	62.37	47.71

Table 185 - UNII 2c- Restricted Band Edge Results

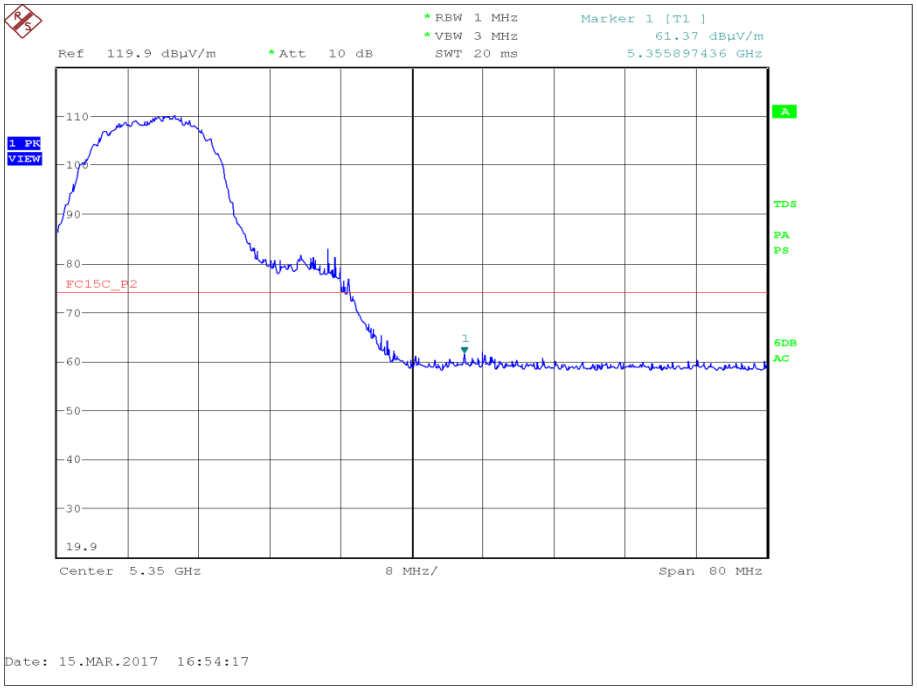

Figure 198 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

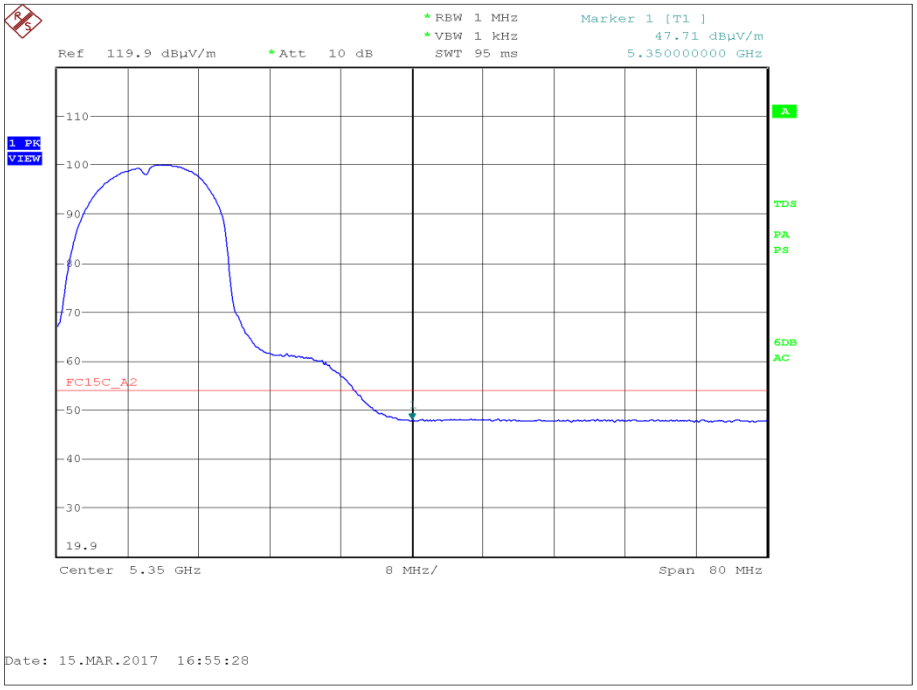

Figure 199 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

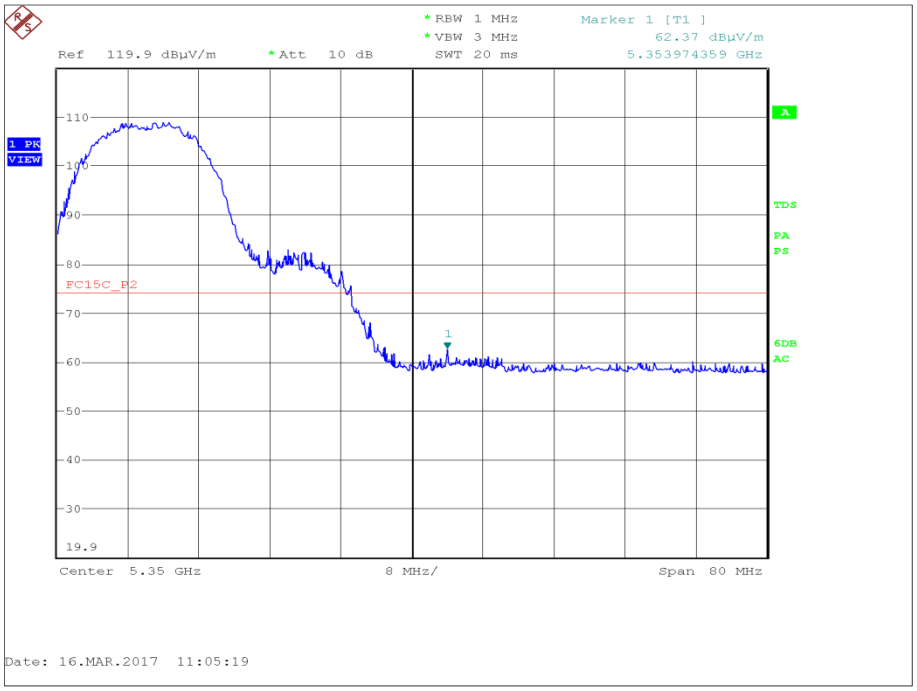

Figure 200 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

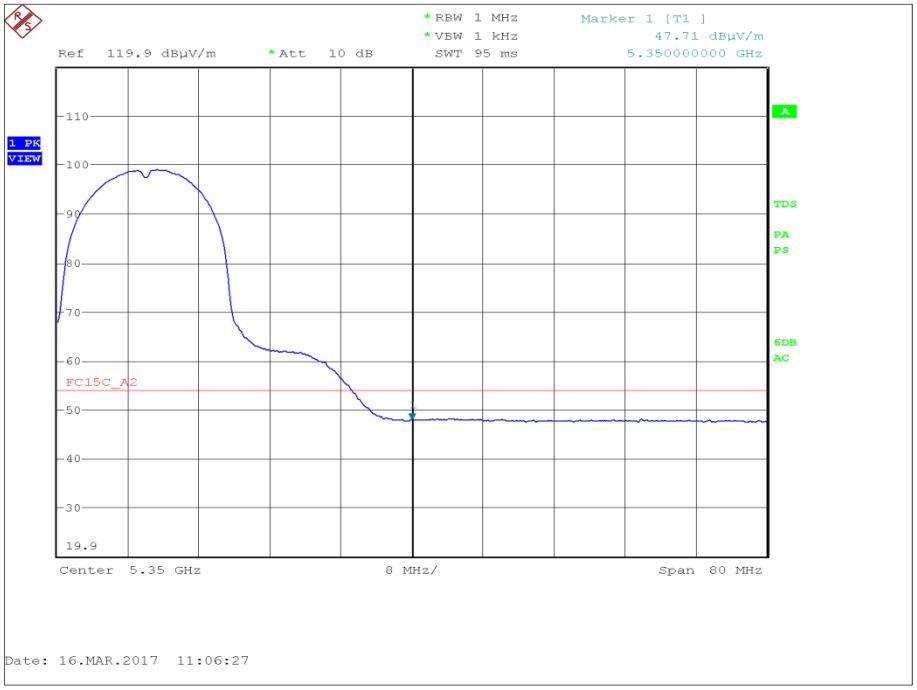

Figure 201 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 186

ANT793-8DK + 10m Cable - 802.11n 20 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5180	5150	70.26	53.15
Widest Emission Bandwidth	MCS3	5180	5150	71.02	53.44

Table 187 - UNII 1 - Restricted Band Edge Results

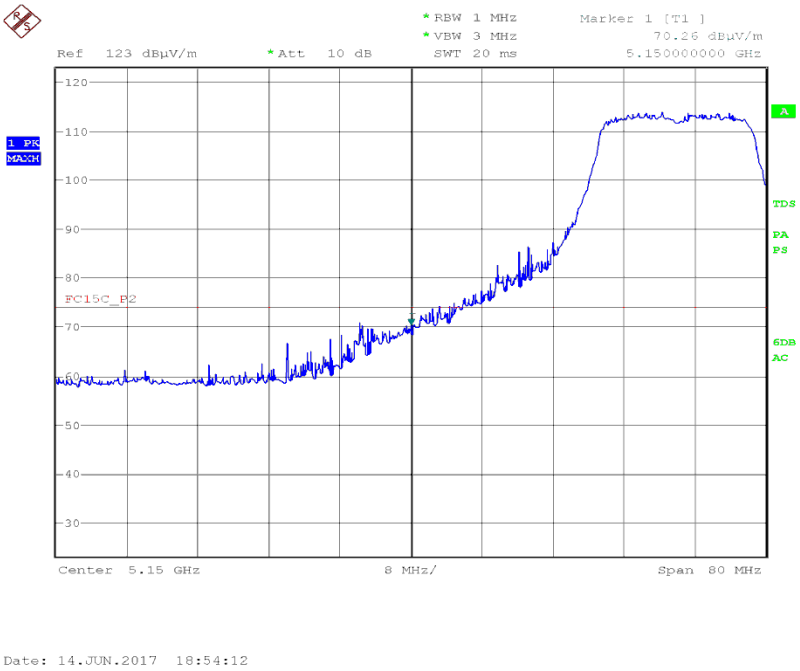

Figure 202 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

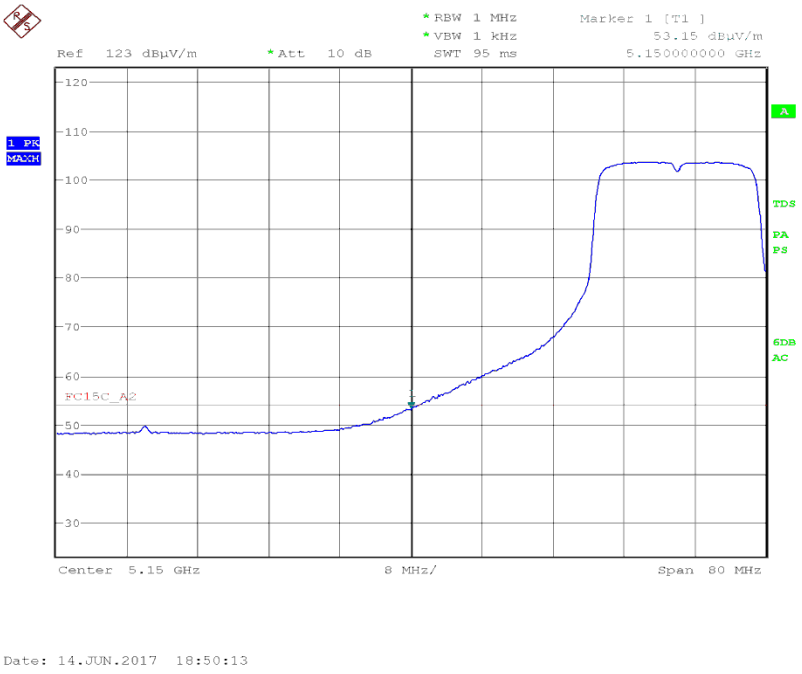

Figure 203 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

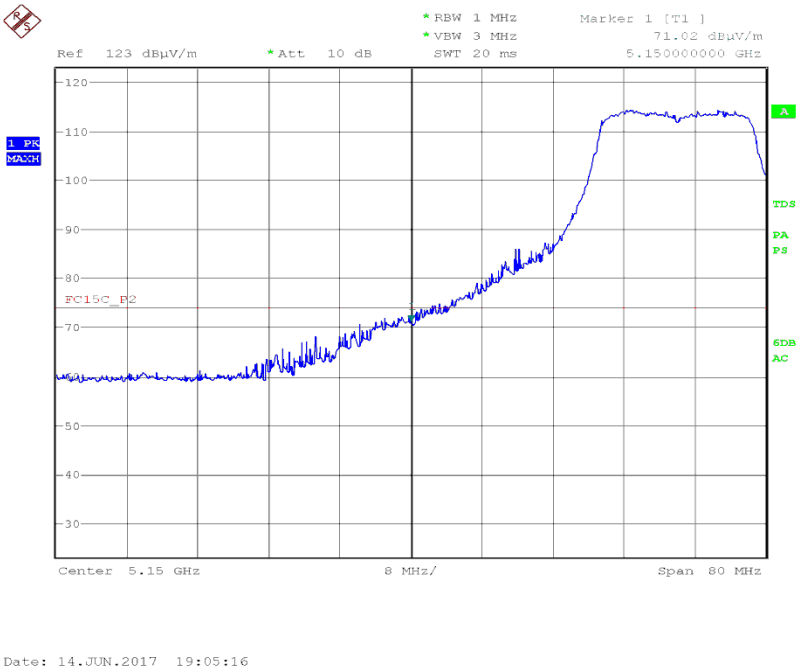

Figure 204 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

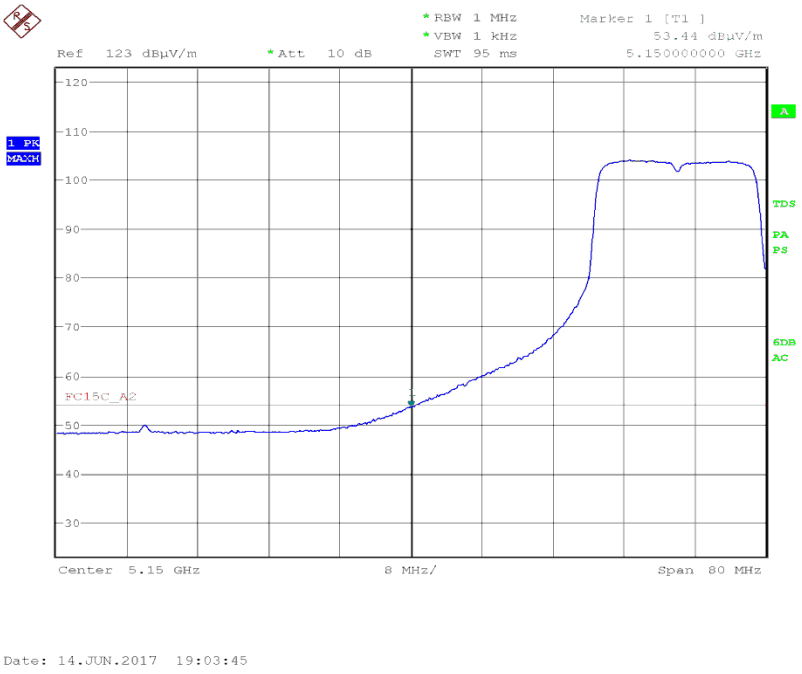

Figure 205 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5180	5350	66.20	49.76
Widest Emission Bandwidth	MCS3	5180	5350	64.50	53.65

Table 188 - UNII 2a - Restricted Band Edge Results

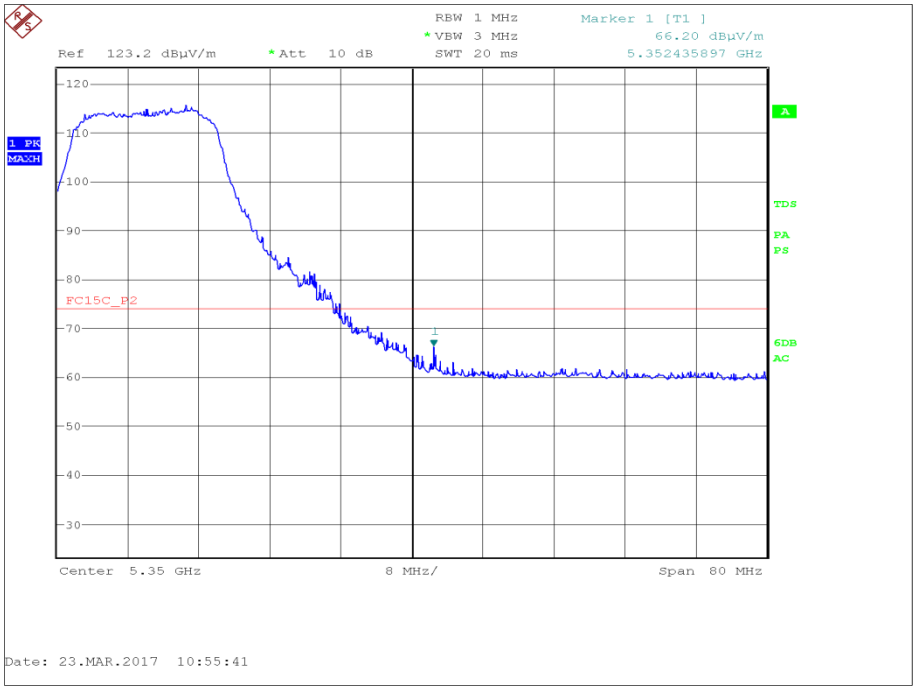

Figure 206 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

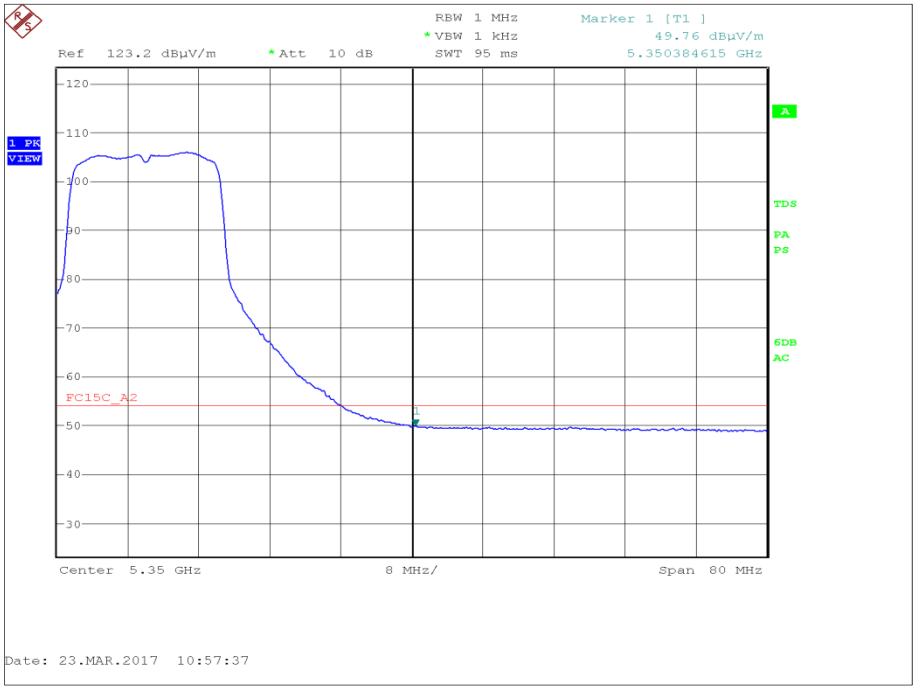

Figure 207 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

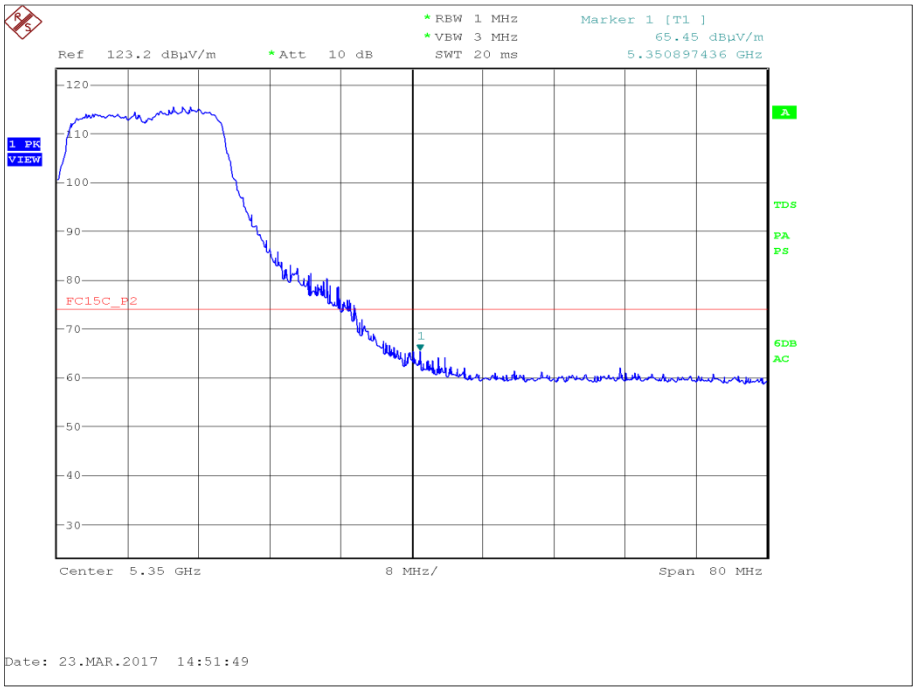

Figure 208 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

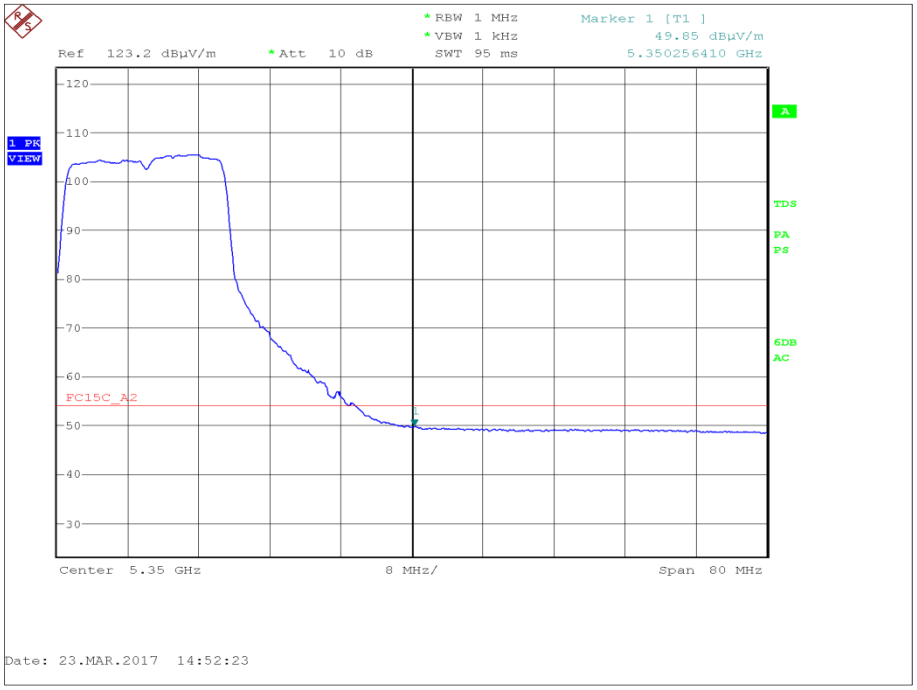

Figure 209 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5180	5350	66.20	49.76
Widest Emission Bandwidth	MCS3	5180	5350	64.50	53.65

Table 189 - UNII 2c- Restricted Band Edge Results

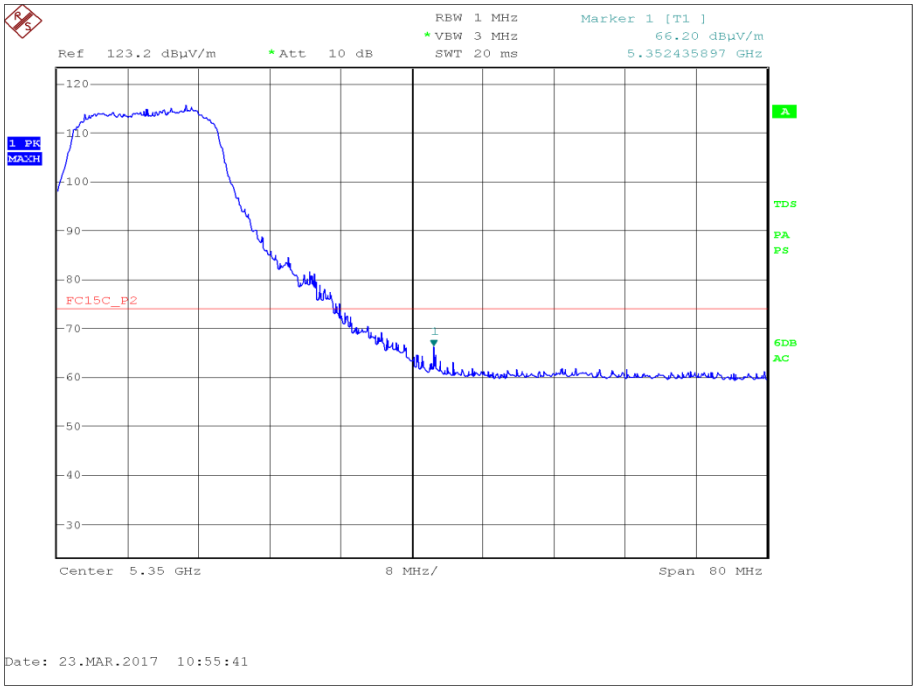

Figure 210 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

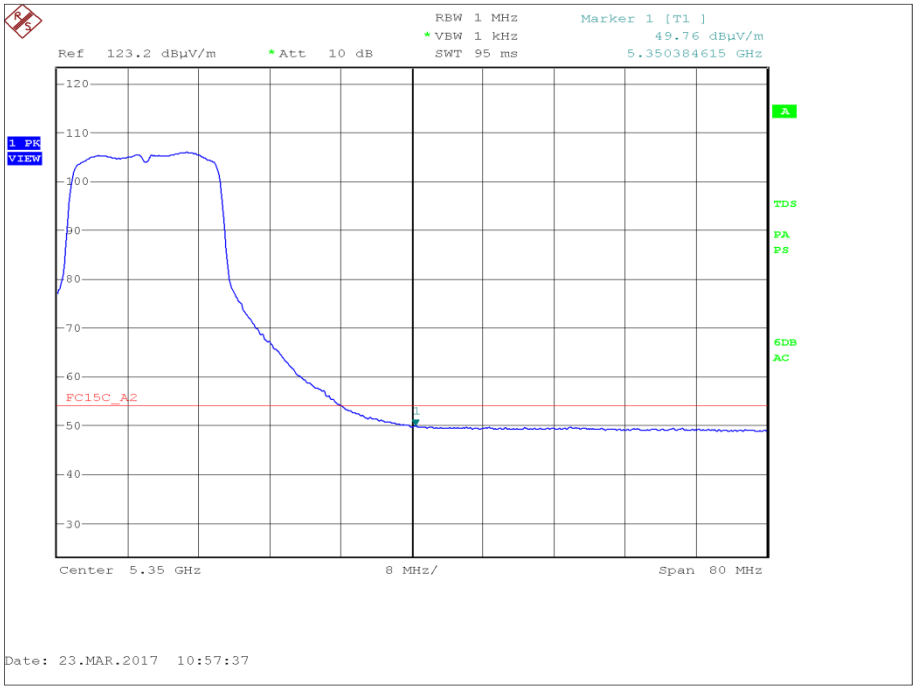

Figure 211 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

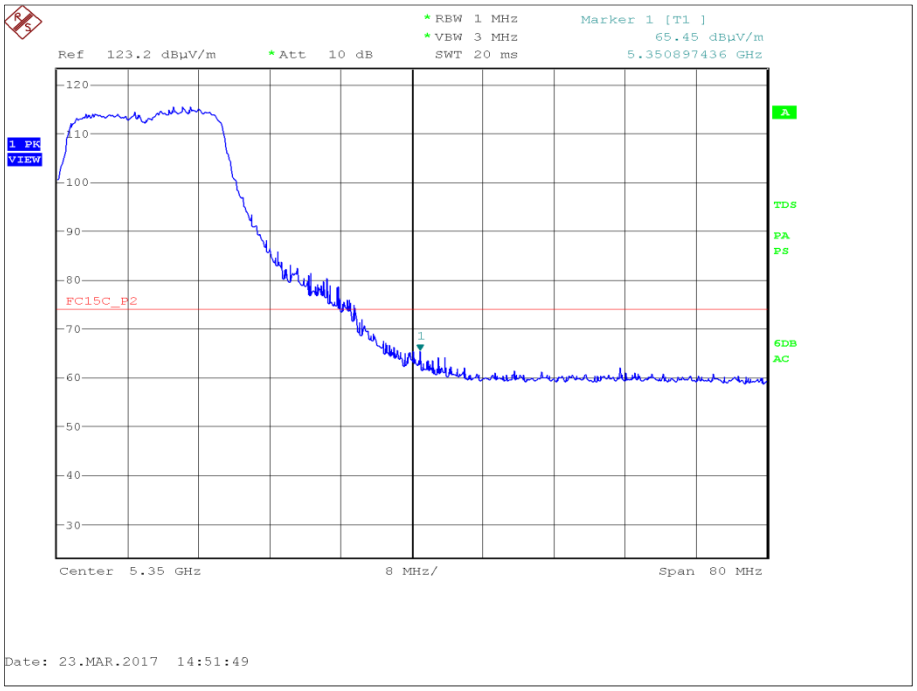

Figure 212 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

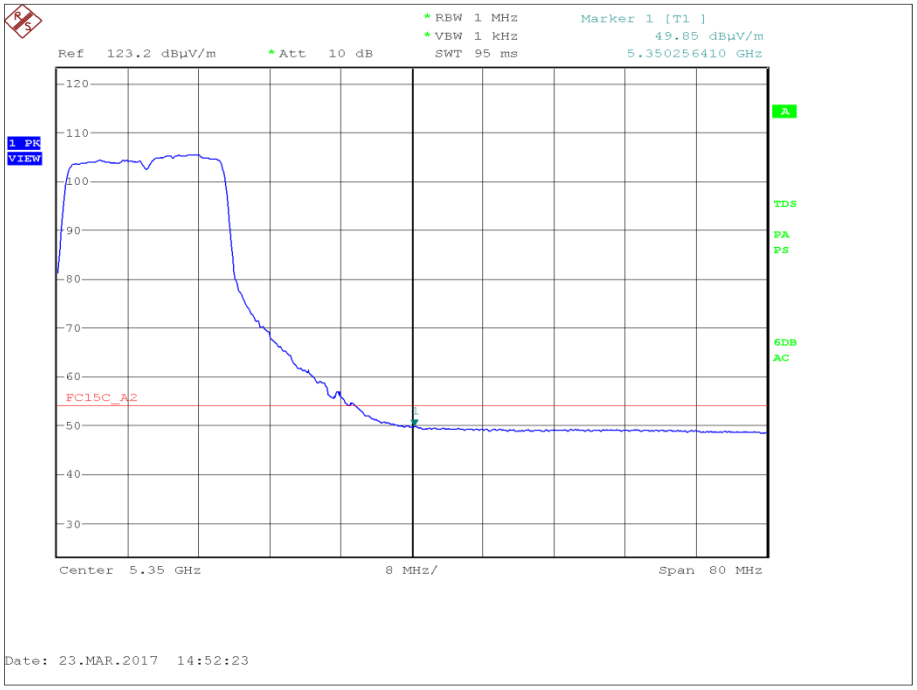

Figure 213 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 190

ANT795-6MT - 802.11n 40 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5150	70.59	53.46
Widest Emission Bandwidth	MCS3	5190	5150	69.45	53.01

Table 191 - UNII 1 - Restricted Band Edge Results

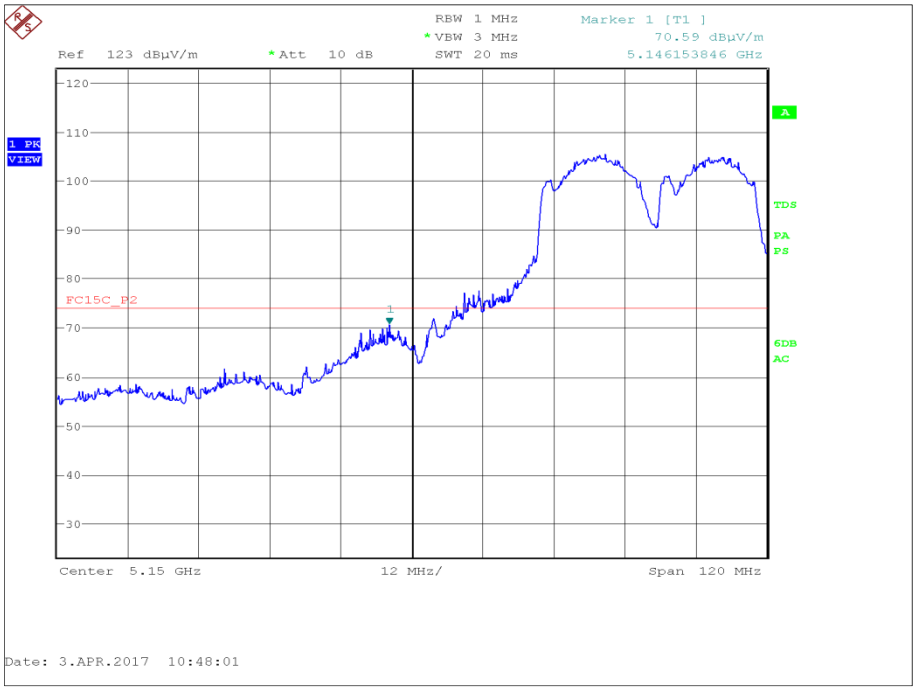

Figure 214 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

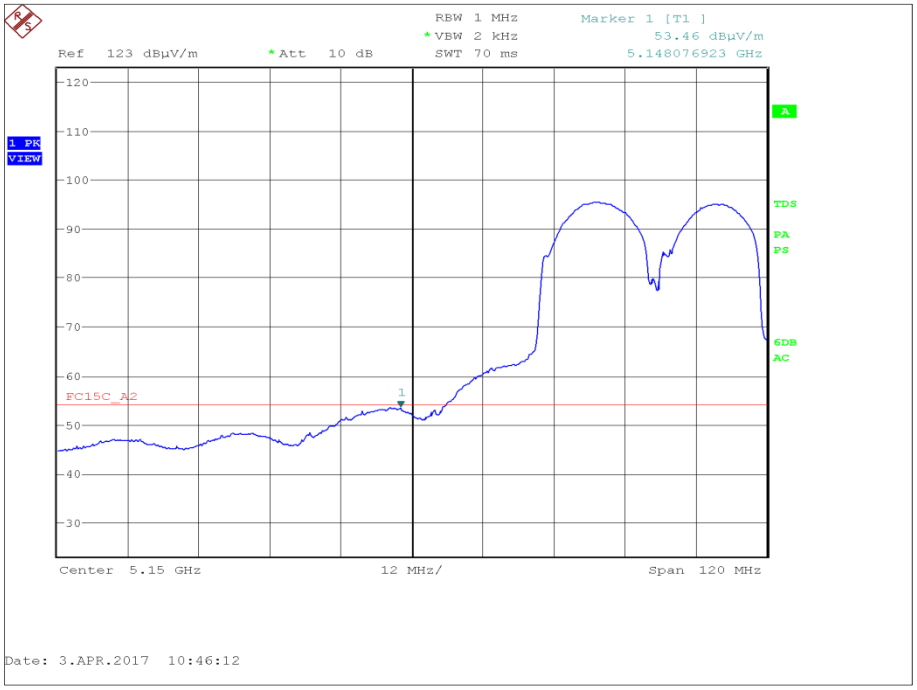

Figure 215 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

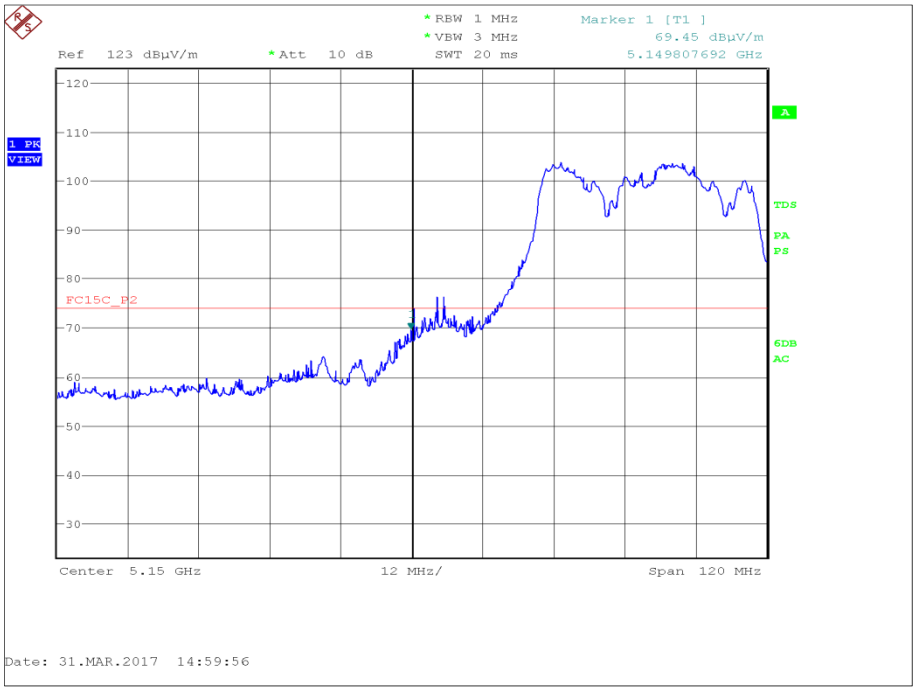

Figure 216 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

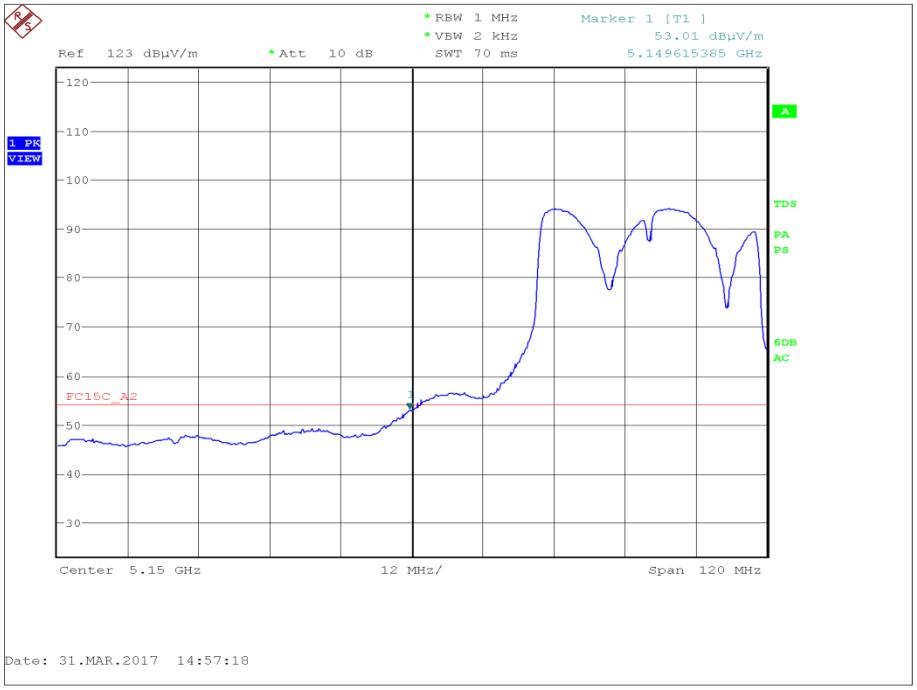

Figure 217 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth-Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	69.54	50.30
Widest Emission Bandwidth	MCS3	5190	5350	70.62	51.60

Table 192 - UNII 2a - Restricted Band Edge Results

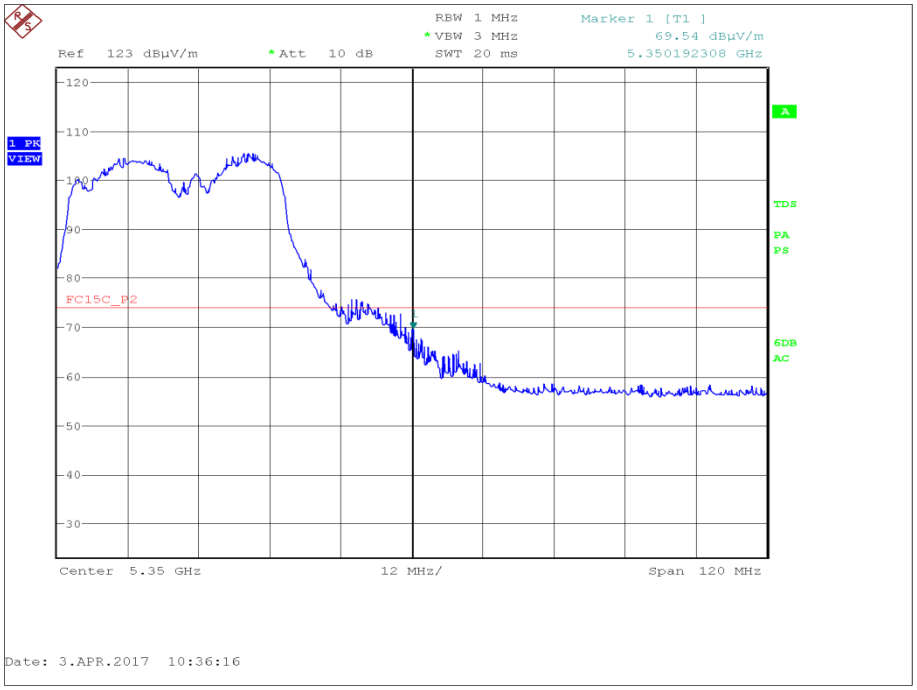

Figure 218 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

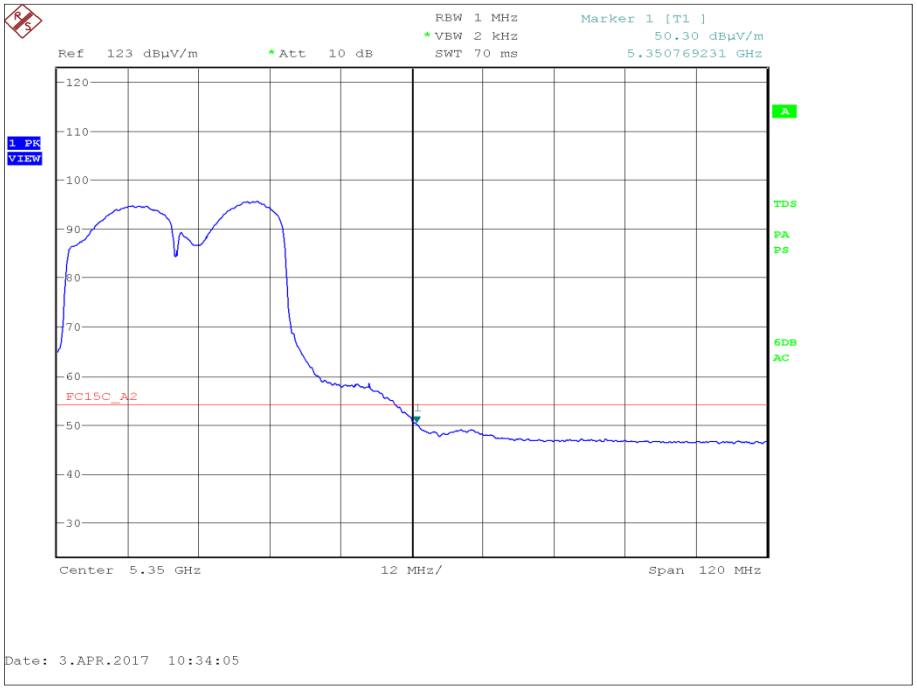

Figure 219 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

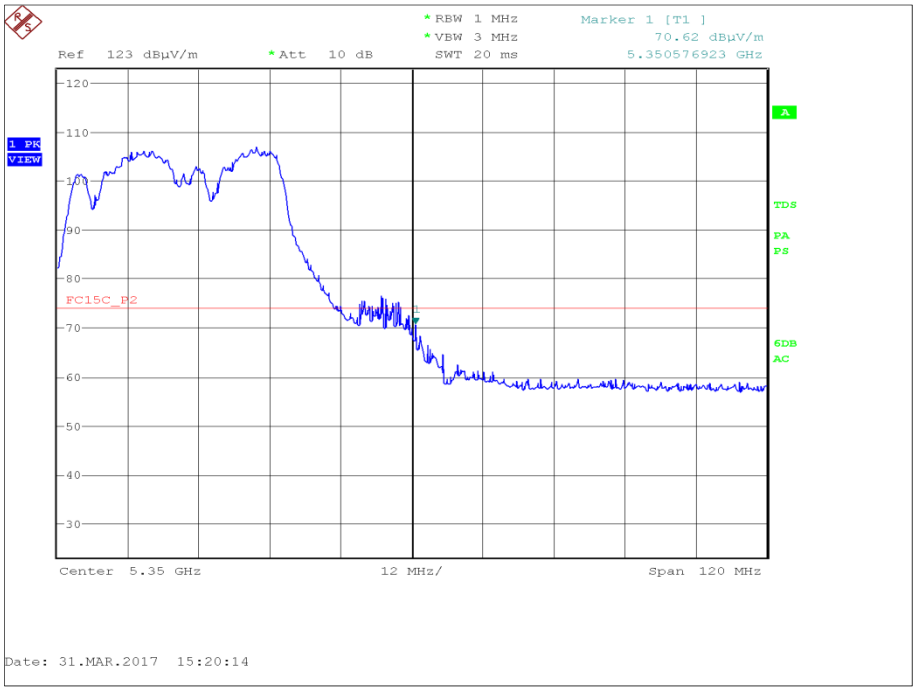

Figure 220 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

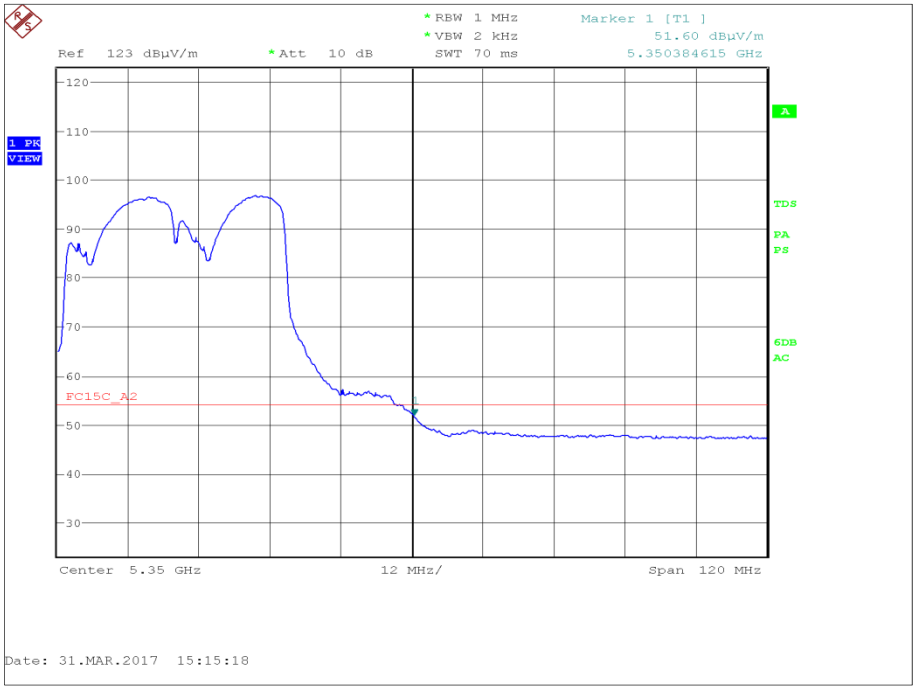

Figure 221 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	69.54	50.30
Widest Emission Bandwidth	MCS3	5190	5350	70.62	51.60

Table 193 - UNII 2c- Restricted Band Edge Results

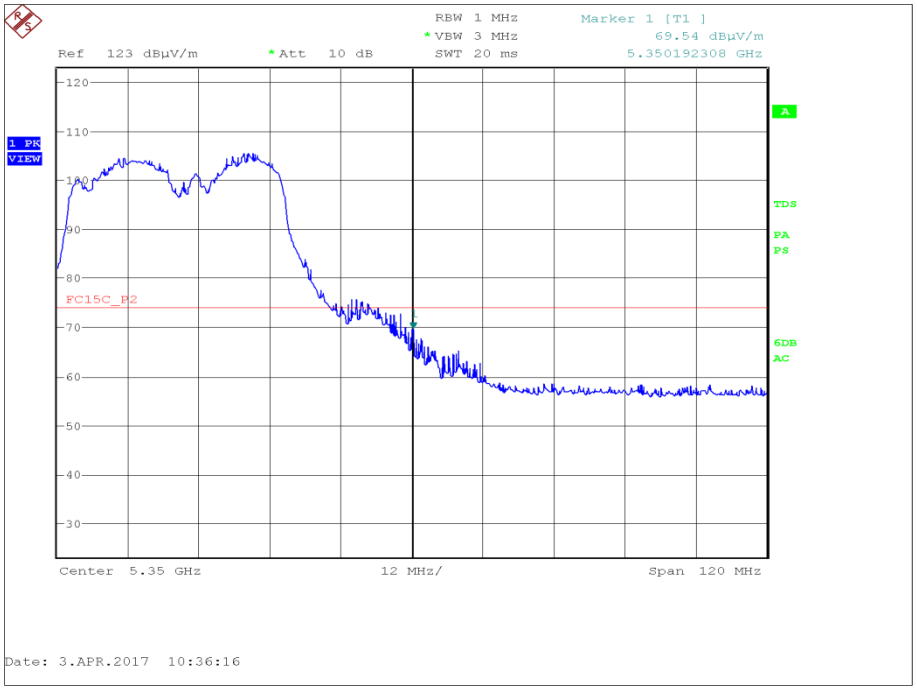

Figure 222 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

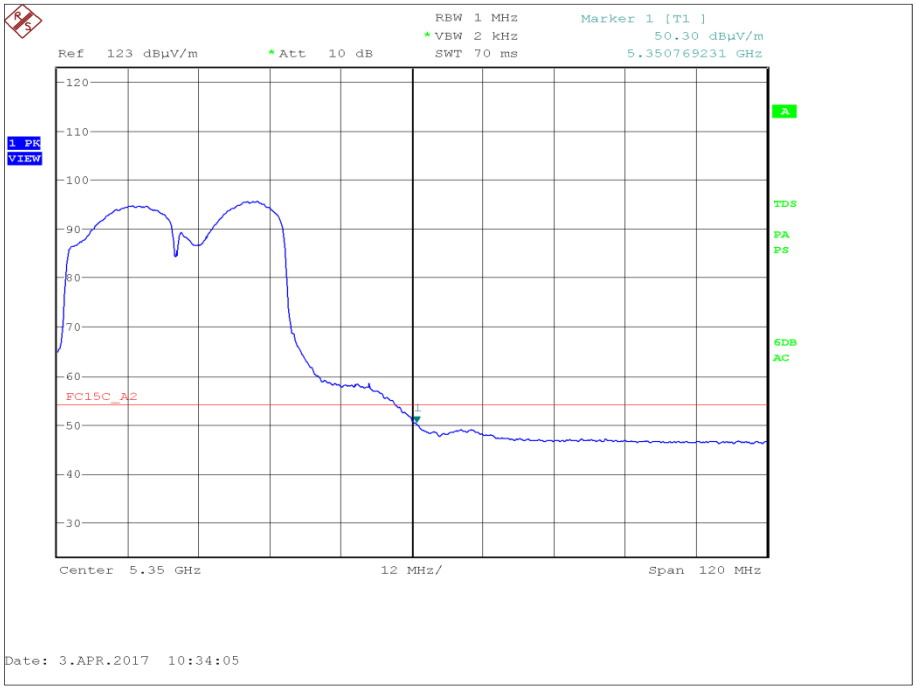

Figure 223 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

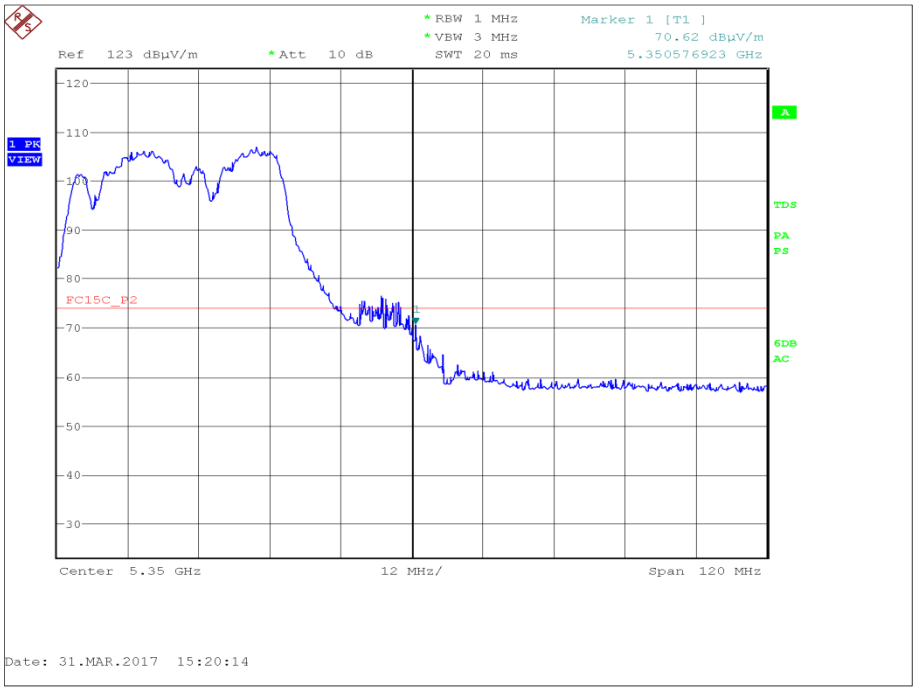

Figure 224 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

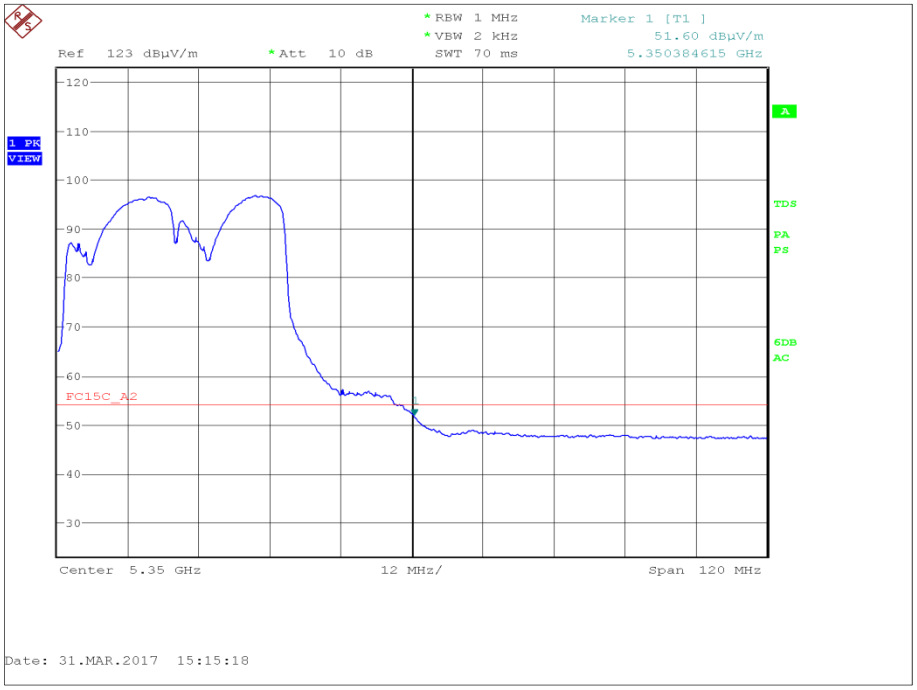

Figure 225 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 194

ANT793-6DG - 802.11n 40 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5150	66.92	50.97
Widest Emission Bandwidth	MCS3	5190	5150	66.43	51.54

Table 195 - UNII 1 - Restricted Band Edge Results

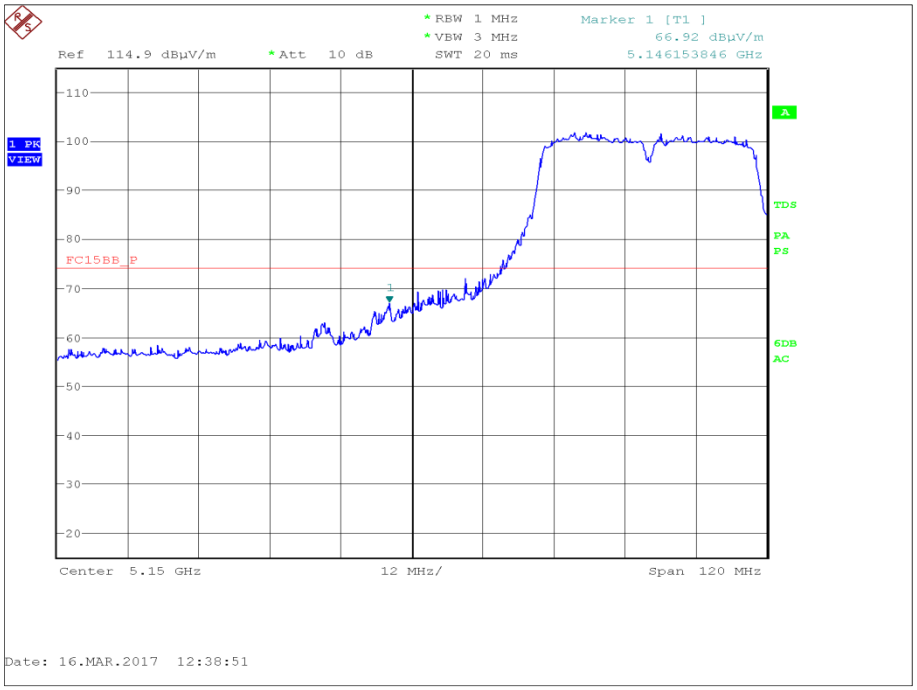

Figure 226 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

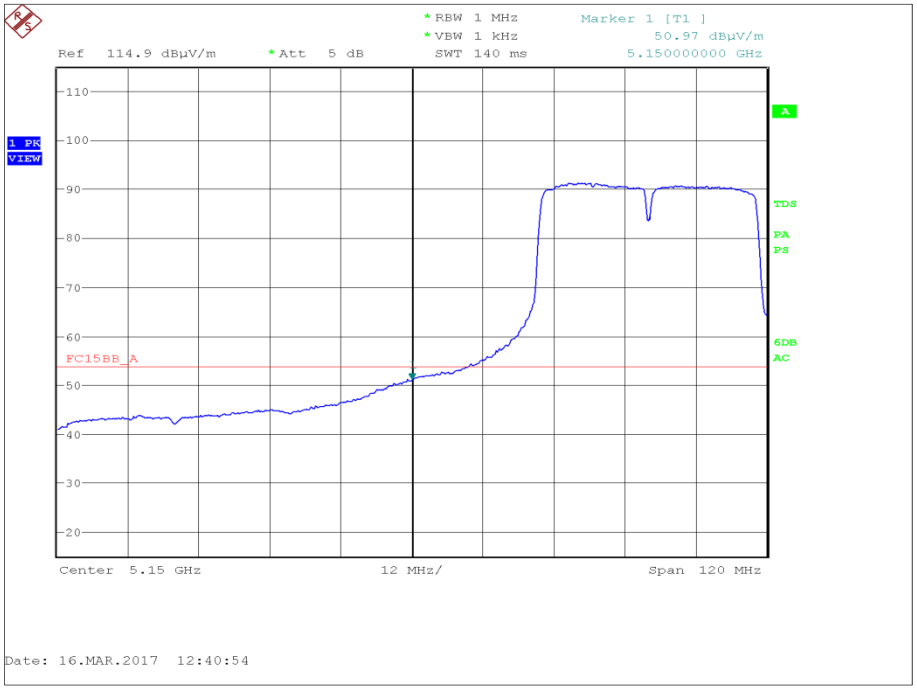

Figure 227 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

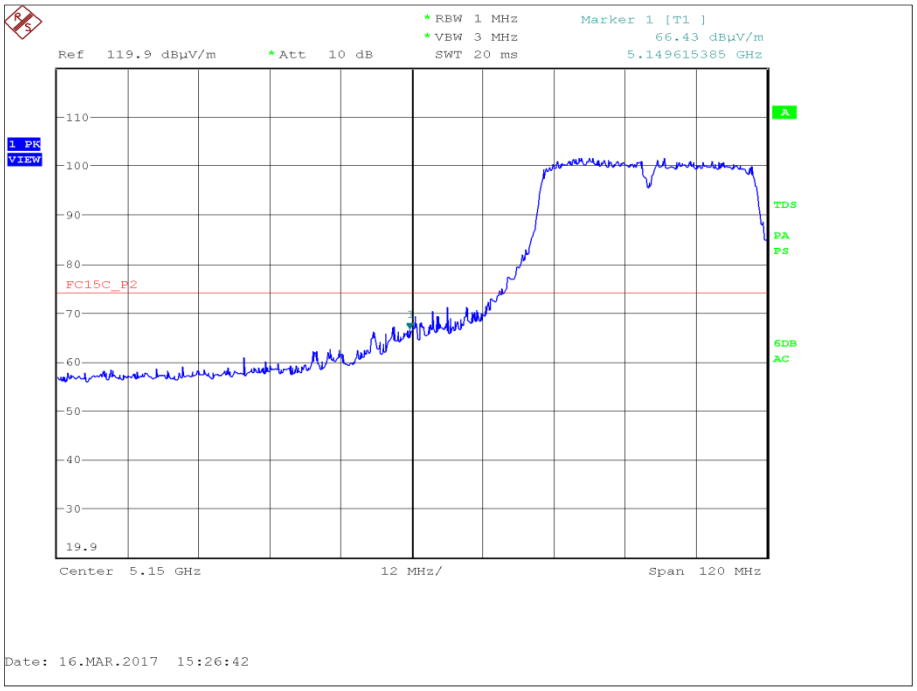

Figure 228 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

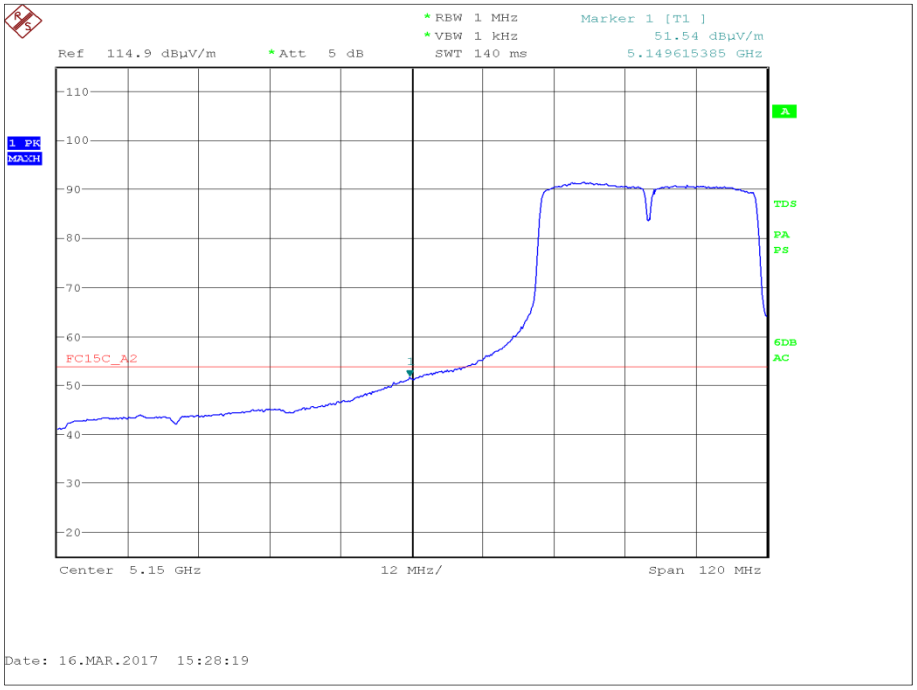

Figure 229 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	64.41	49.27
Widest Emission Bandwidth	MCS3	5190	5350	64.44	47.89

Table 196 - UNII 2a - Restricted Band Edge Results

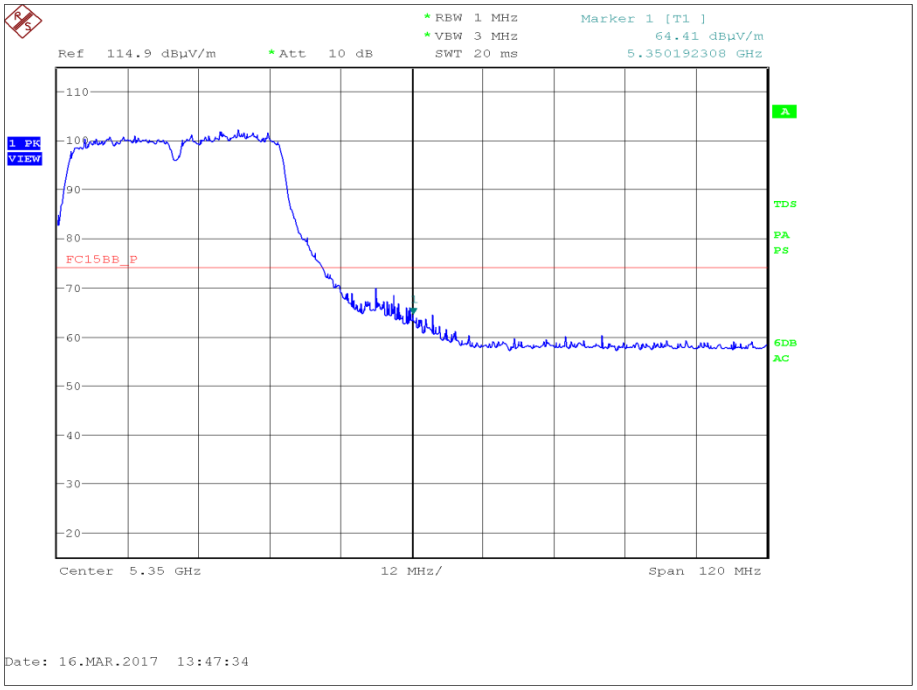

Figure 230 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

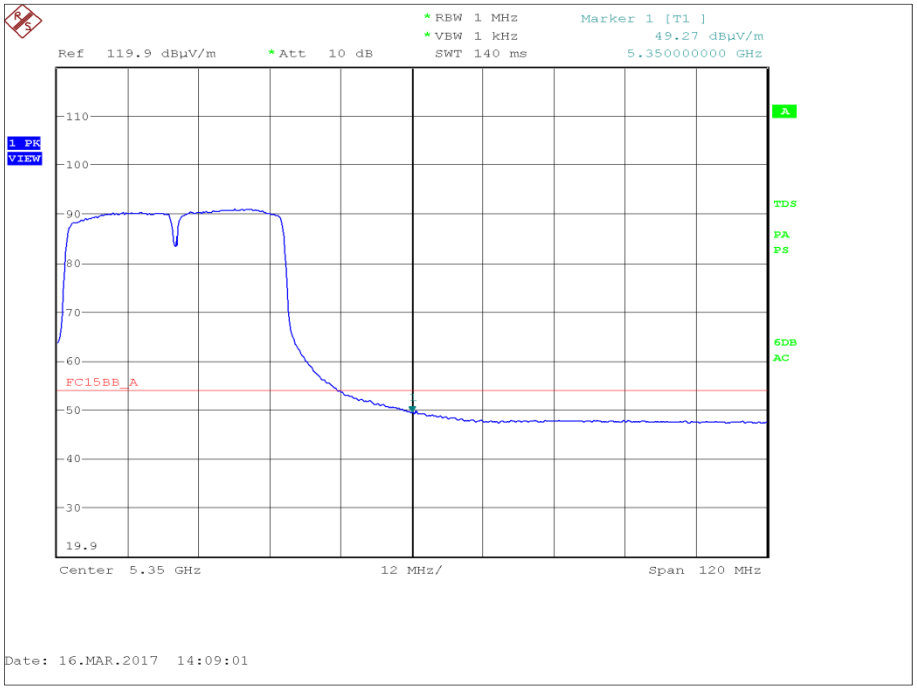

Figure 231 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

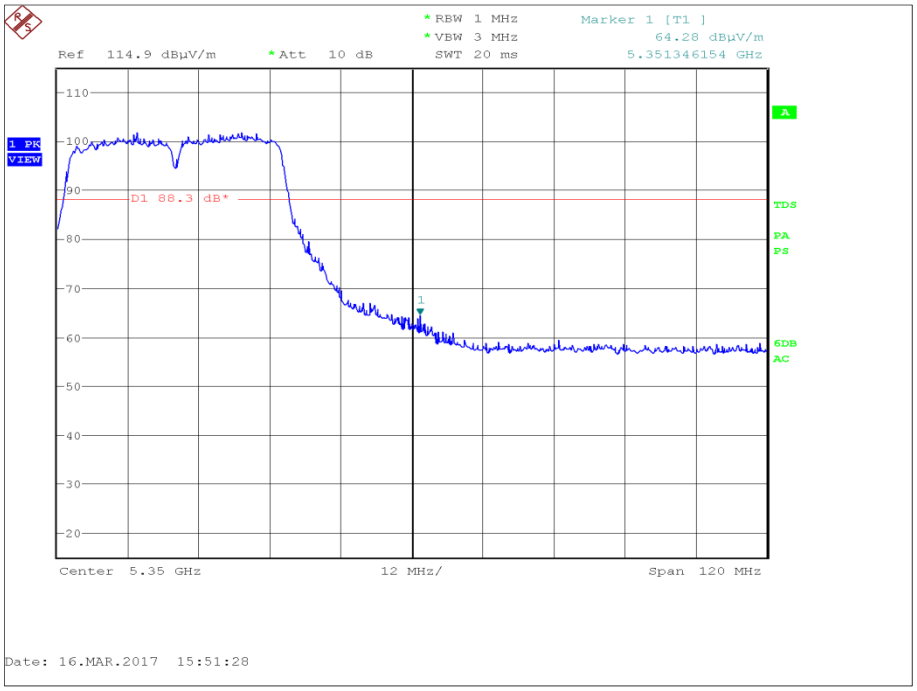

Figure 232 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

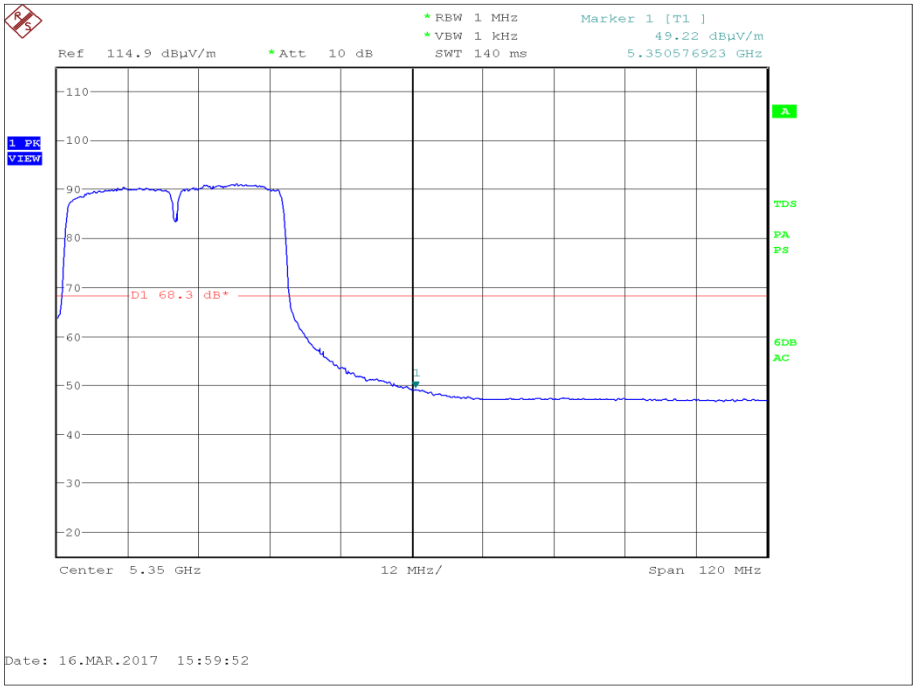

Figure 233 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	64.41	49.27
Widest Emission Bandwidth	MCS3	5190	5350	64.44	47.89

Table 197 - UNII 2c- Restricted Band Edge Results

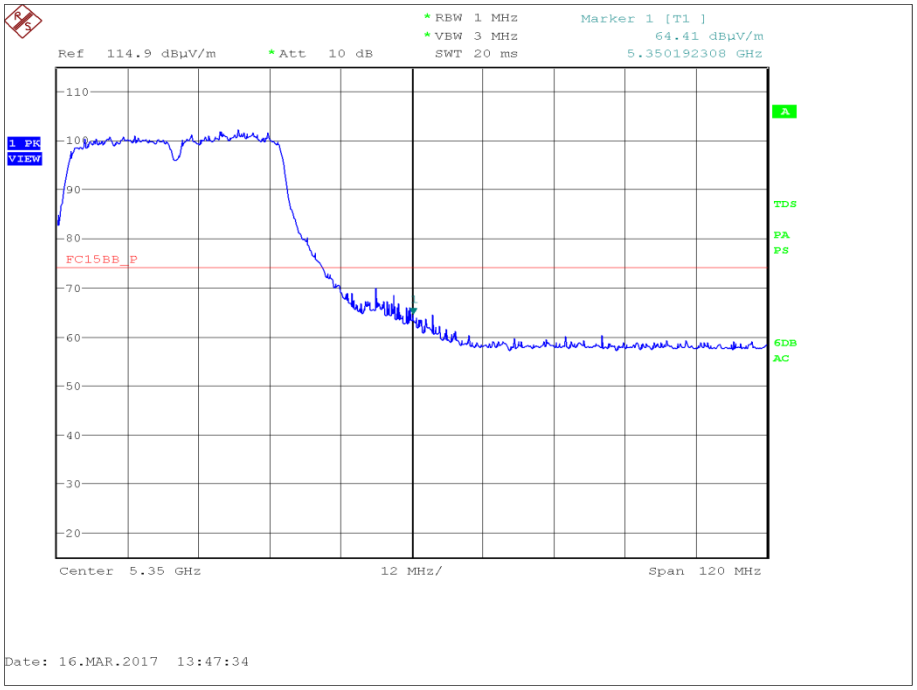

Figure 234 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

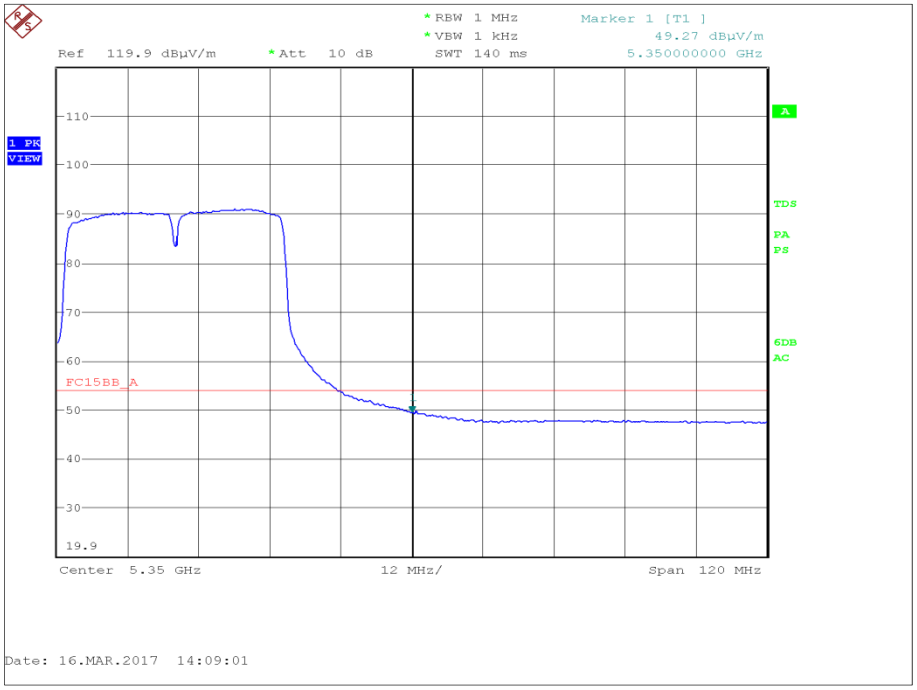

Figure 235 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

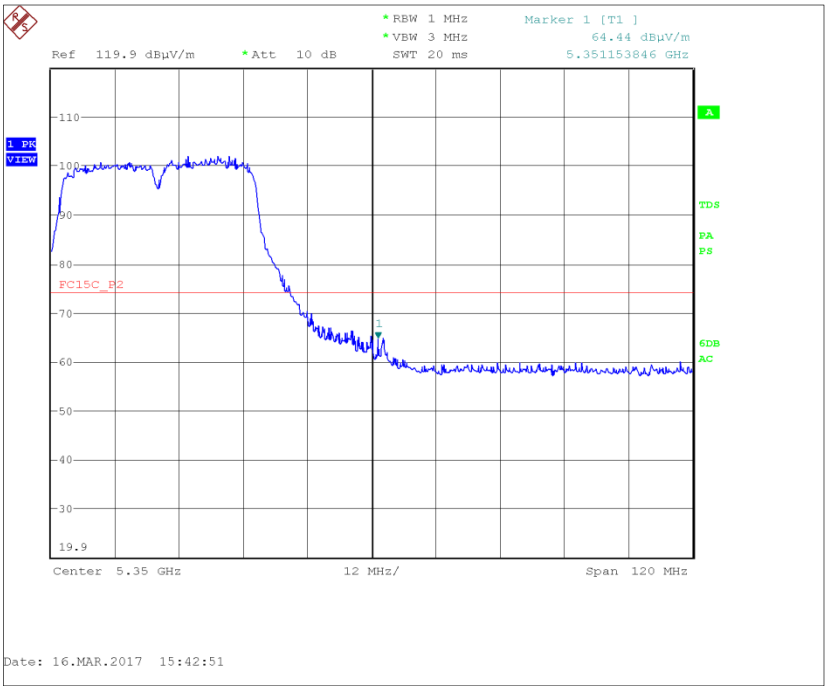

Figure 236 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

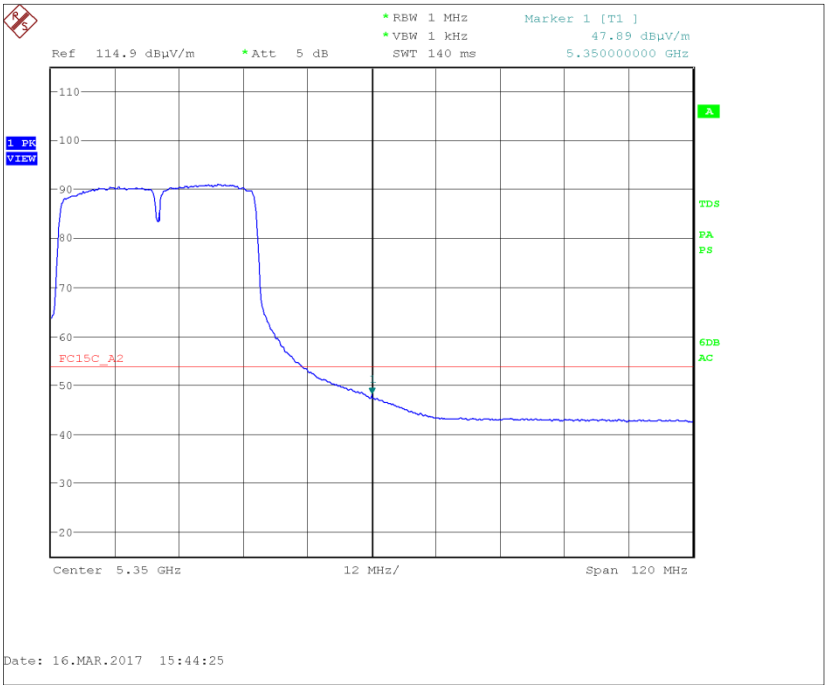

Figure 237 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 198

ANT793-8DK + 10m Cable - 802.11n 40 MHz Bandwidth

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5150	66.13	53.13
Widest Emission Bandwidth	MCS3	5190	5150	66.24	53.24

Table 199 - UNII 1 - Restricted Band Edge Results

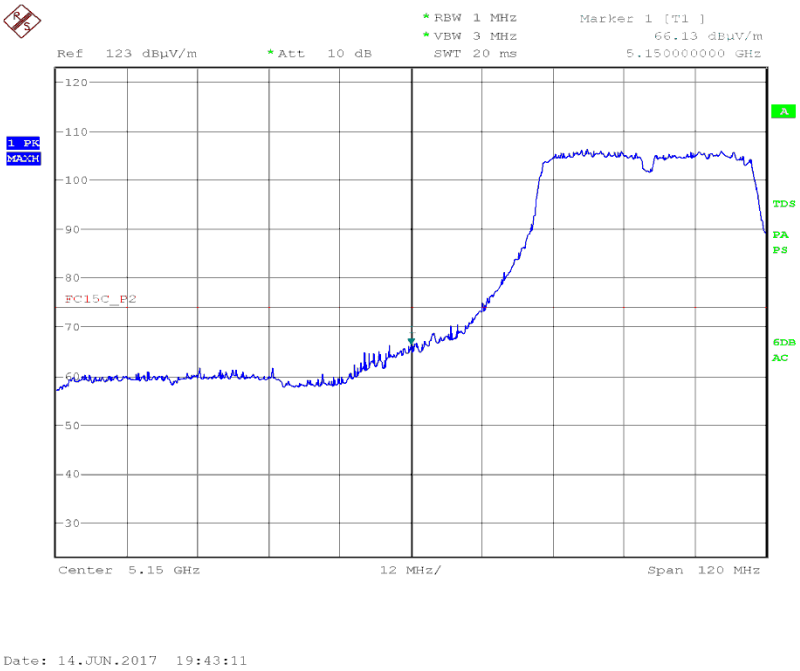

Figure 238 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Peak

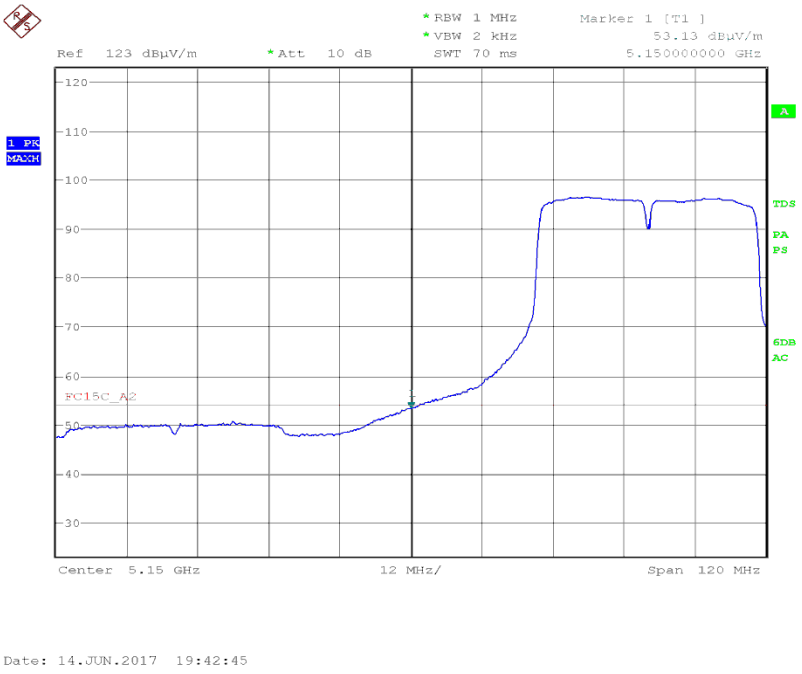

Figure 239 - U-NII 1 - Restricted Band Edge at 5150 MHz - Highest Conducted Power - Average

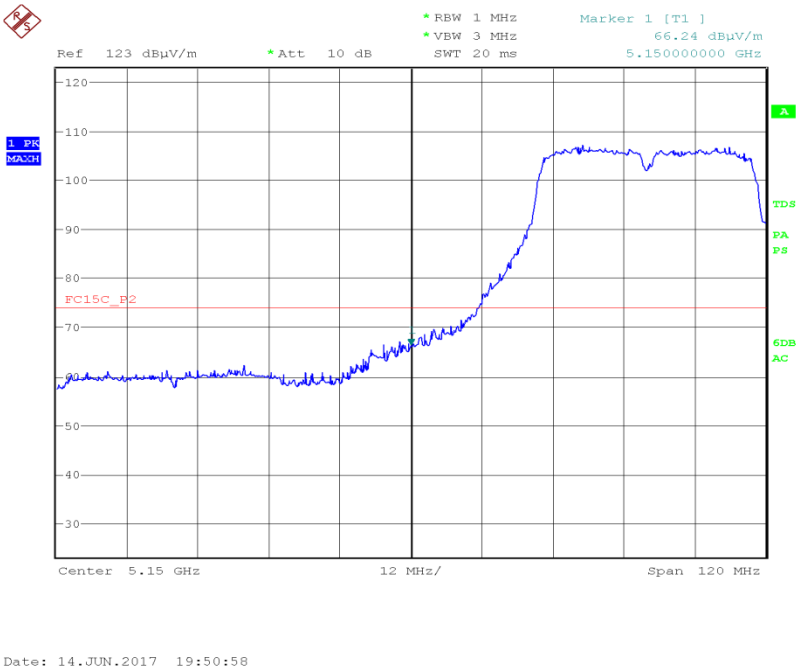

Figure 240 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Peak

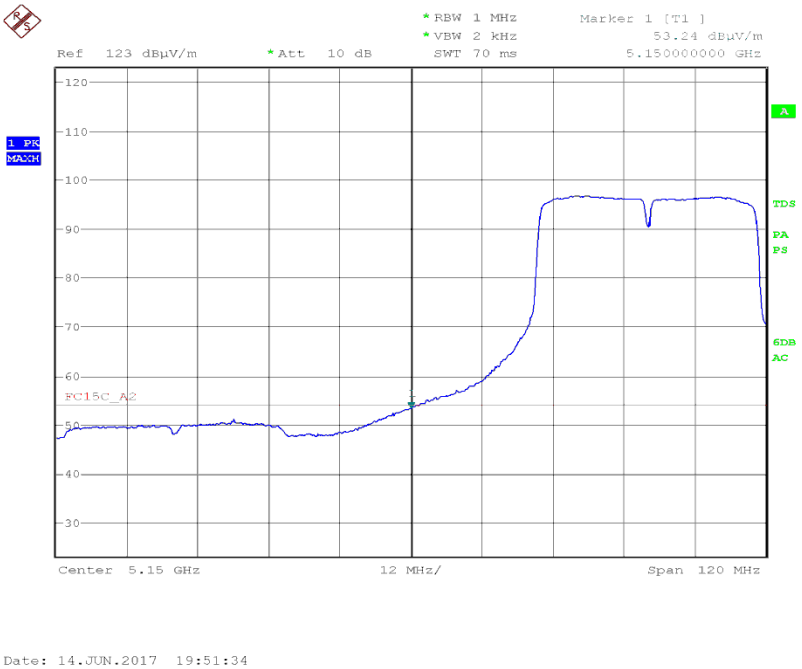

Figure 241 - U-NII 1 - Restricted Band Edge at 5150 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	61.66	47.85
Widest Emission Bandwidth	MCS3	5190	5350	63.75	51.13

Table 200 - UNII 2a - Restricted Band Edge Results

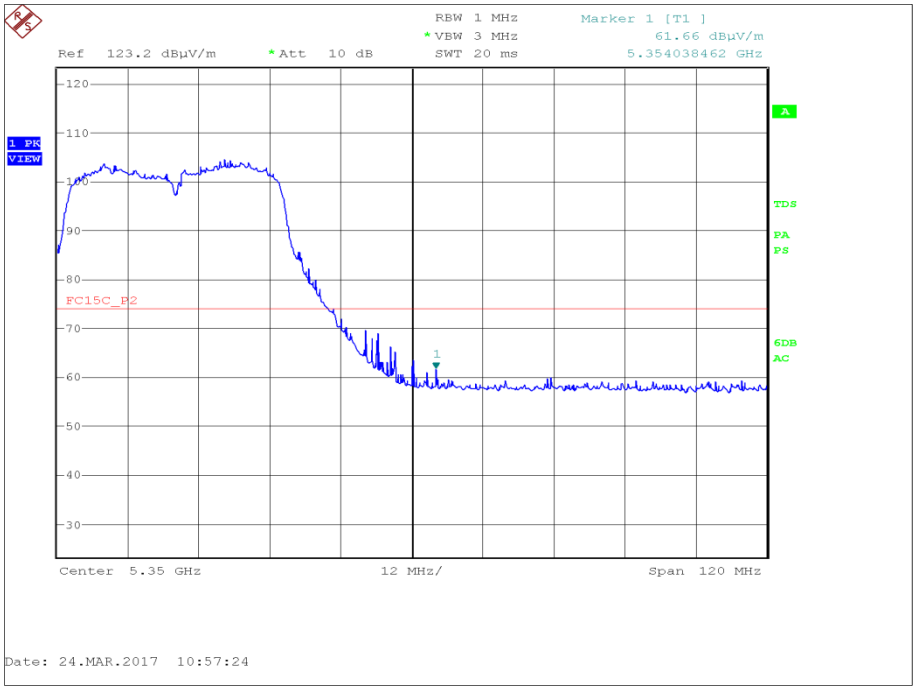

Figure 242 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

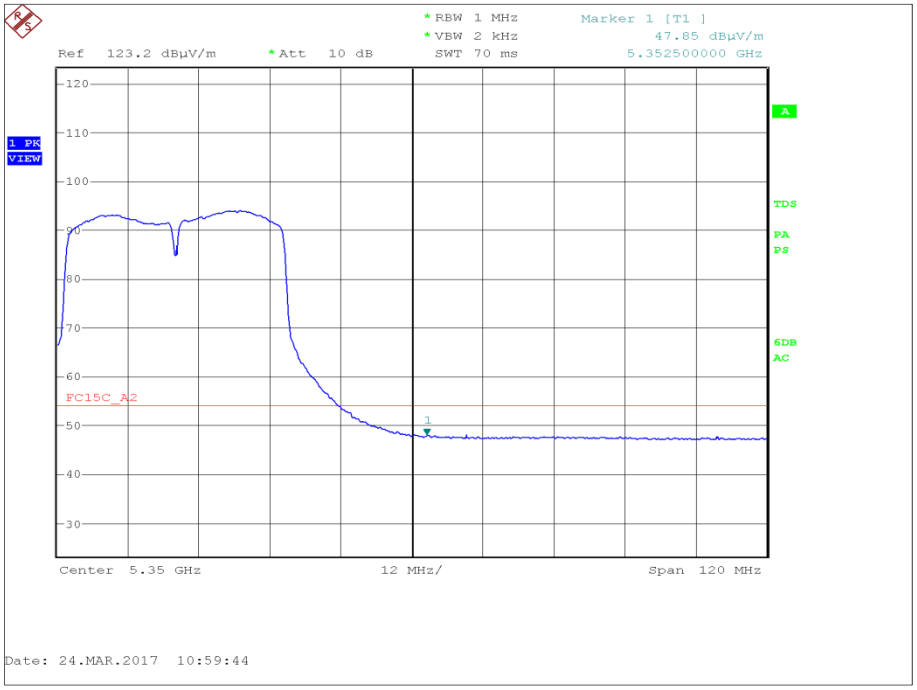

Figure 243 - U-NII 2a - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

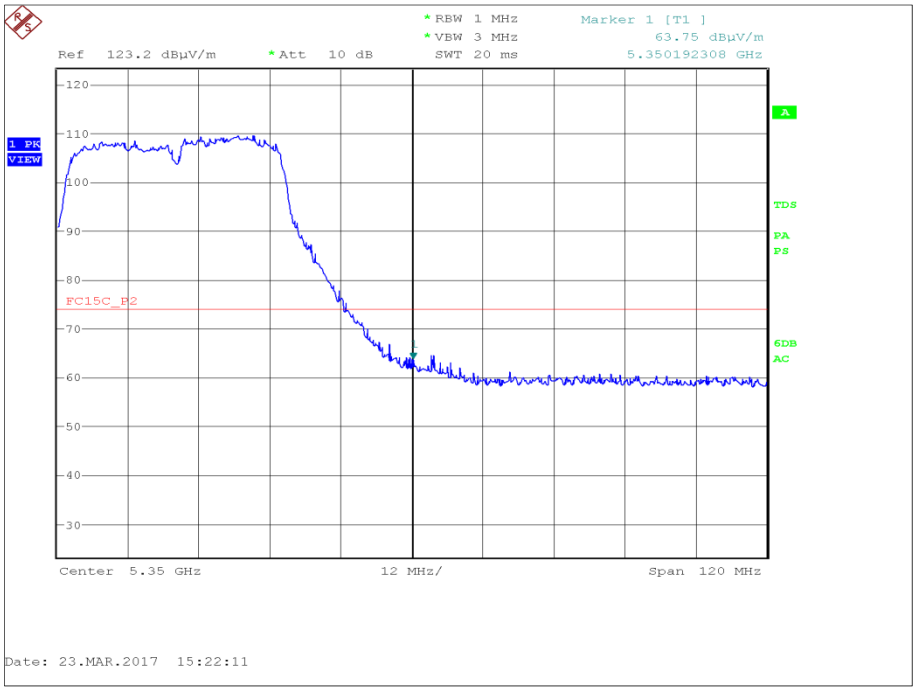

Figure 244 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

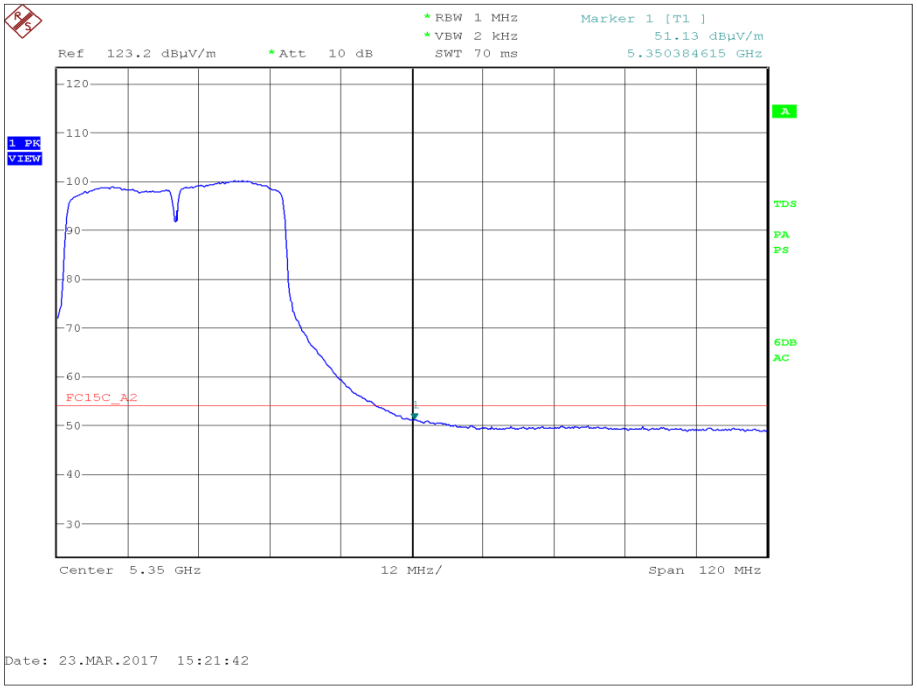

Figure 245 - U-NII 2a - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

Measurement Configuration	Data Rate/MCS	Transmitter Frequency (MHz)	Measured Frequency (MHz)	Peak Level (dBµV/m)	Average Level (dBµV/m)
Highest Conducted Power	MCS0	5190	5350	61.66	47.85
Widest Emission Bandwidth	MCS3	5190	5350	63.75	51.13

Table 201 - UNII 2c- Restricted Band Edge Results

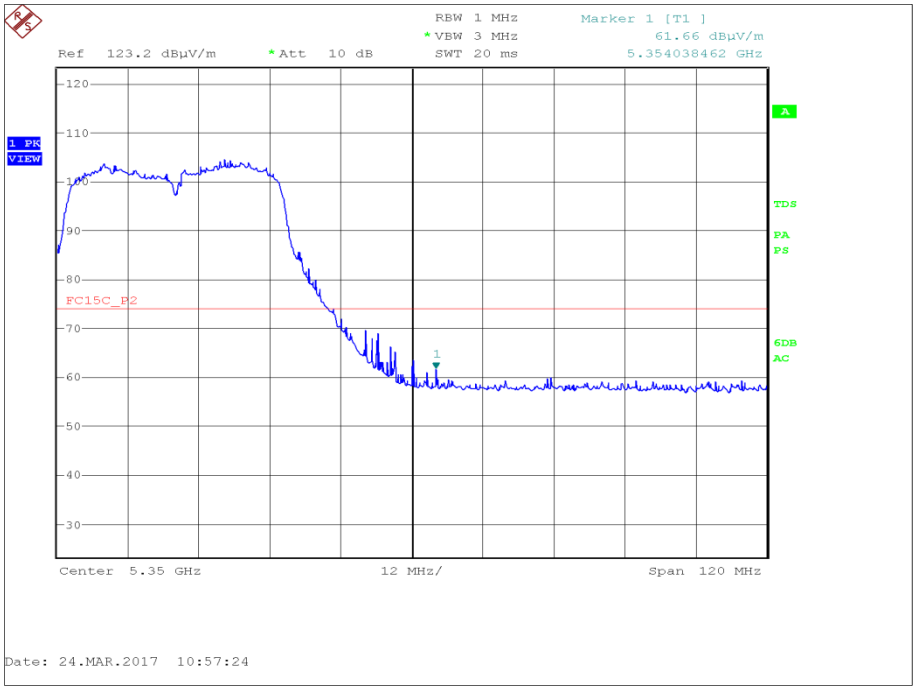

Figure 246 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Peak

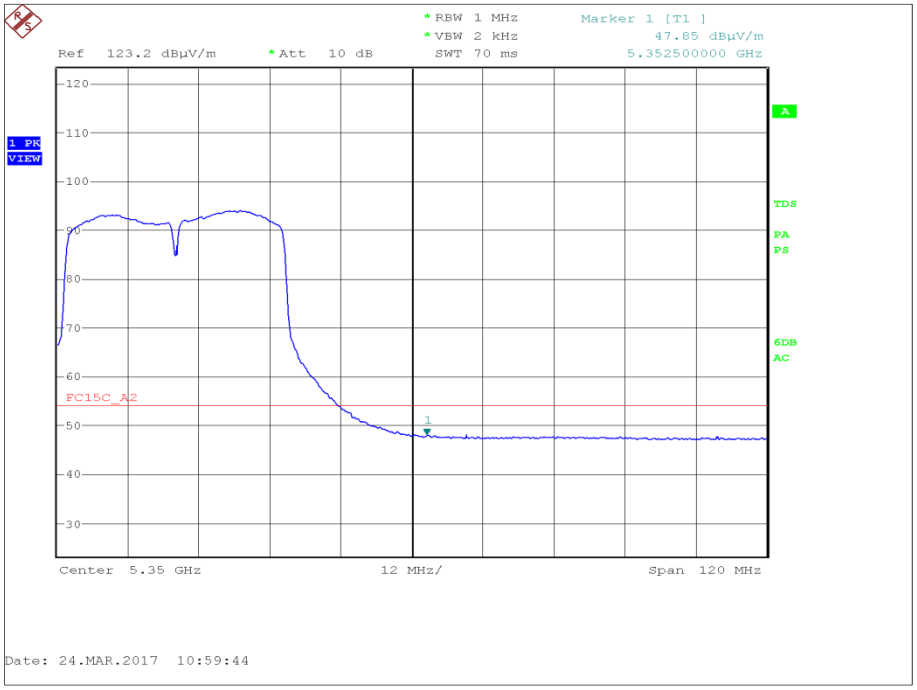

Figure 247 - U-NII 2c - Restricted Band Edge at 5350 MHz - Highest Conducted Power - Average

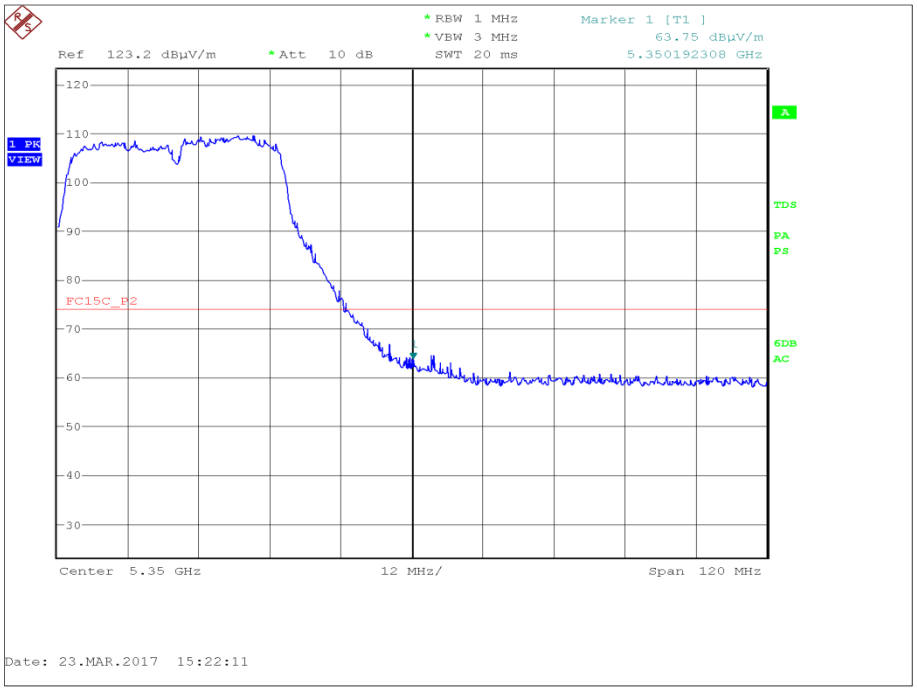

Figure 248 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Peak

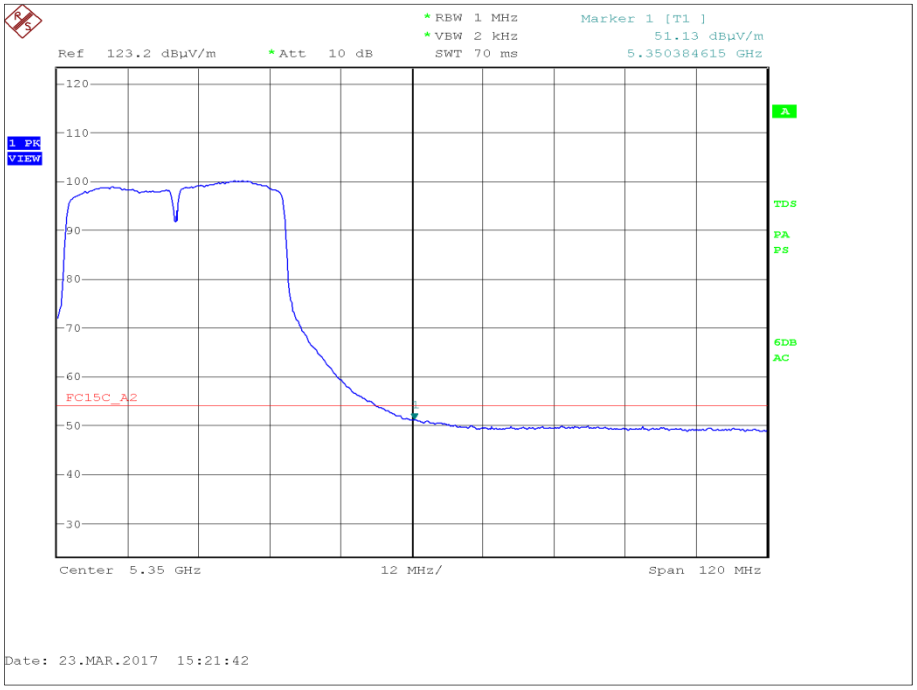

Figure 249 - U-NII 2c - Restricted Band Edge at 5350 MHz - Widest Emission Bandwidth - Average

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

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

Table 202

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
Hygrometer	Rotronic	A1	1388	12	13-Apr-2017
Hygrometer	Rotronic	A1	1388	12	04-May-2018
Screened Room (5)	Rainford	Rainford	1545	36	20-Dec-2017
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Cable (N-N, 8m)	Rhophase	NPS-2302-8000-NPS	3248	-	TU
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	12-Nov-2017
Multimeter	Fluke	177	3813	12	14-Sep-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 203

TU - Traceability Unscheduled
O/P Mon – Output Monitored

2.6 Spurious Radiated Emissions

2.6.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (b) and 15.205
Industry Canada RSS-247, Clause 6.2

2.6.2 Equipment Under Test and Modification State

MSN65-W1-M12-E2, S/N: Not Serialised (75938097-TSR0001) - Modification State 0

2.6.3 Date of Test

03-April-2017 to 04-June-2017

2.6.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.5, 6.6 and 12.7.

The limit line was increased by $20*LOG_{10}(3/1)$ = 10 dB (approx.) as the measurement distance was reduced from 3 meter to 1 meter at frequencies above 18 GHz.

The black trace on the plots below are for peak measurements and the blue trace is for average measurements, using the reduced video bandwidth procedure.

2.6.5 Environmental Conditions

Ambient Temperature	18.0 - 22.0 °C
Relative Humidity	31.0 - 57.0 %

2.6.6 Test Results

ANT795-6MT - 802.11a

Testing was performed on the Data Rate which resulted in the highest conducted output power. The Data Rate used during testing was 6 Mbps.

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
34.654	32.7	40.0	-7.3	284	1.00	Vertical
56.675	29.5	40.0	-10.5	312	1.00	Vertical
143.404	29.5	43.5	-14.0	87	1.00	Vertical
550.611	30.3	46.0	-15.7	36	1.00	Vertical
613.093	41.5	46.0	-4.5	94	1.71	Horizontal
731.630	35.6	46.0	-10.4	138	1.29	Horizontal

Table 204 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz

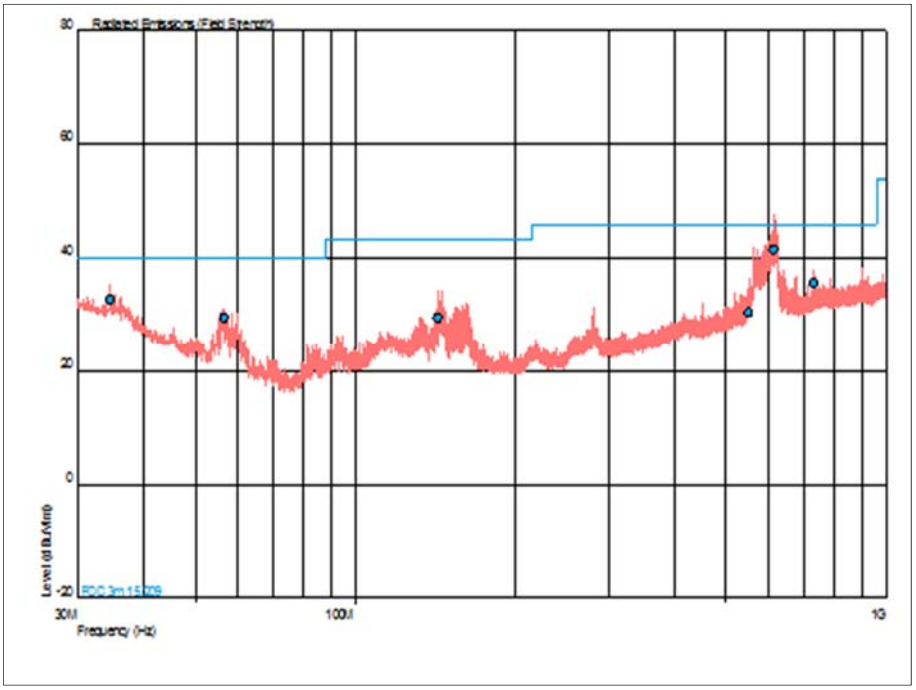

Figure 250 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
*						

Table 205 - U-NII 1 - 5180 MHz - 1 GHz to 40 GHz

*No emissions were detected within 6 dB of the limit.

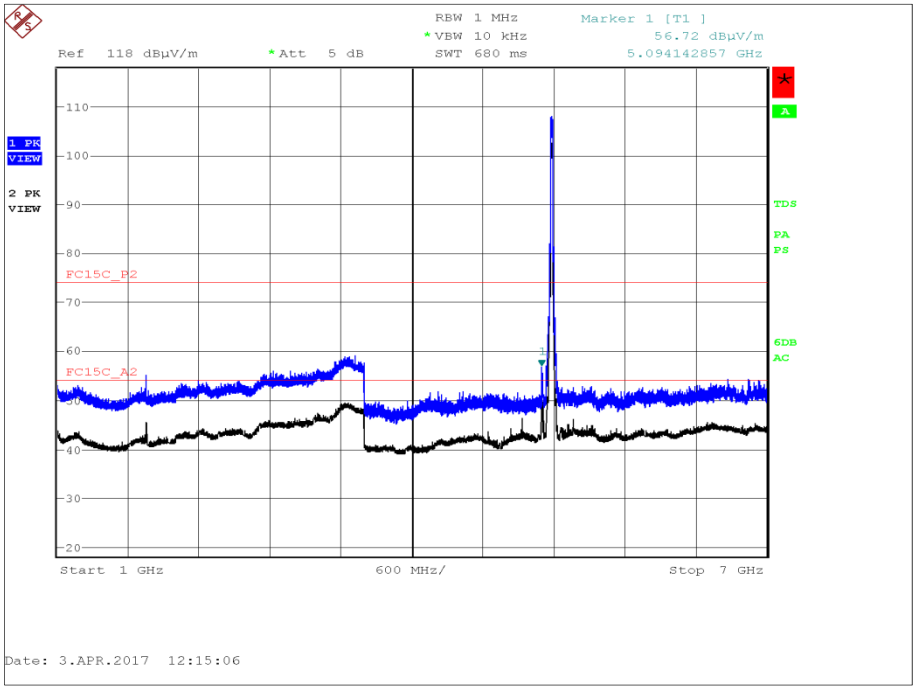

Figure 251 - U-NII 1 - 5180 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

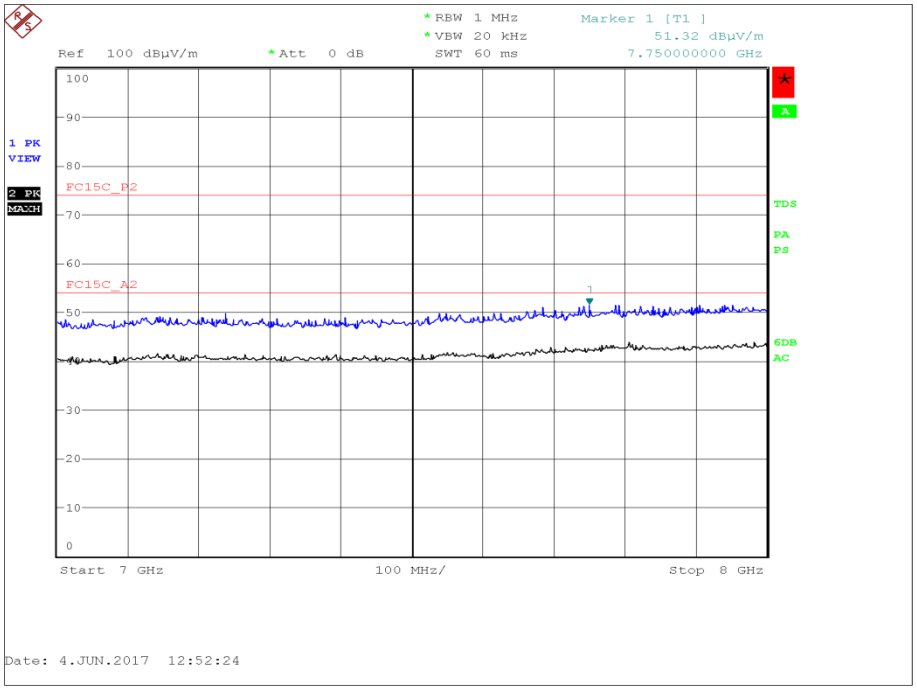

Figure 252 - U-NII 1 - 5180 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

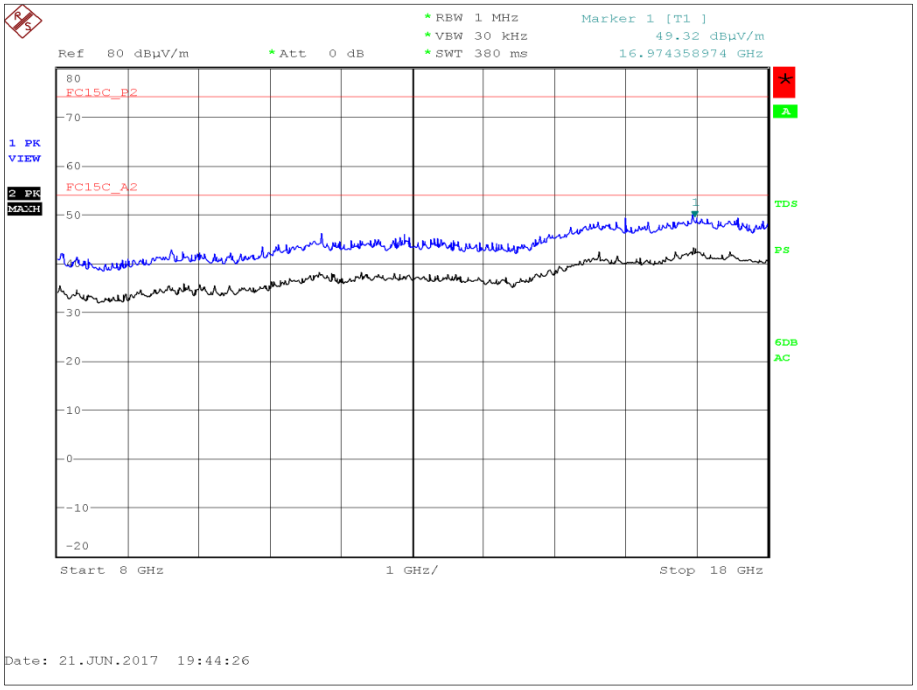

Figure 253 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

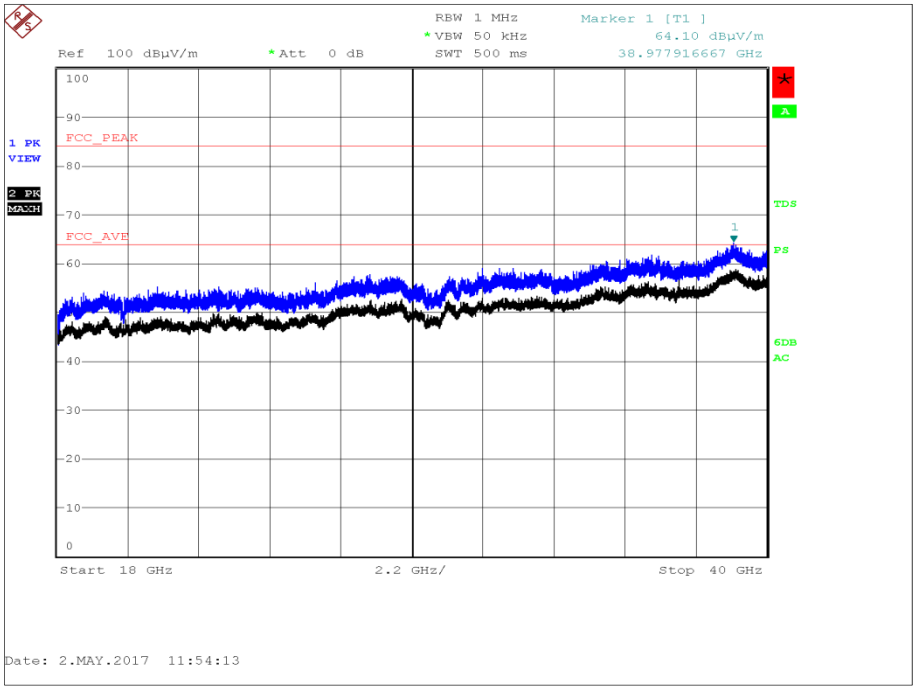

Figure 254 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
34.612	31.5	40.0	-8.5	106	1.00	Vertical
56.609	26.5	40.0	-13.5	360	1.17	Vertical
145.276	31.8	43.5	-11.7	119	1.00	Vertical
281.569	28.1	46.0	-17.9	95	1.00	Horizontal
571.749	38.4	46.0	-7.6	32	1.78	Vertical
618.381	41.8	46.0	-4.2	94	1.17	Vertical

Table 206 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

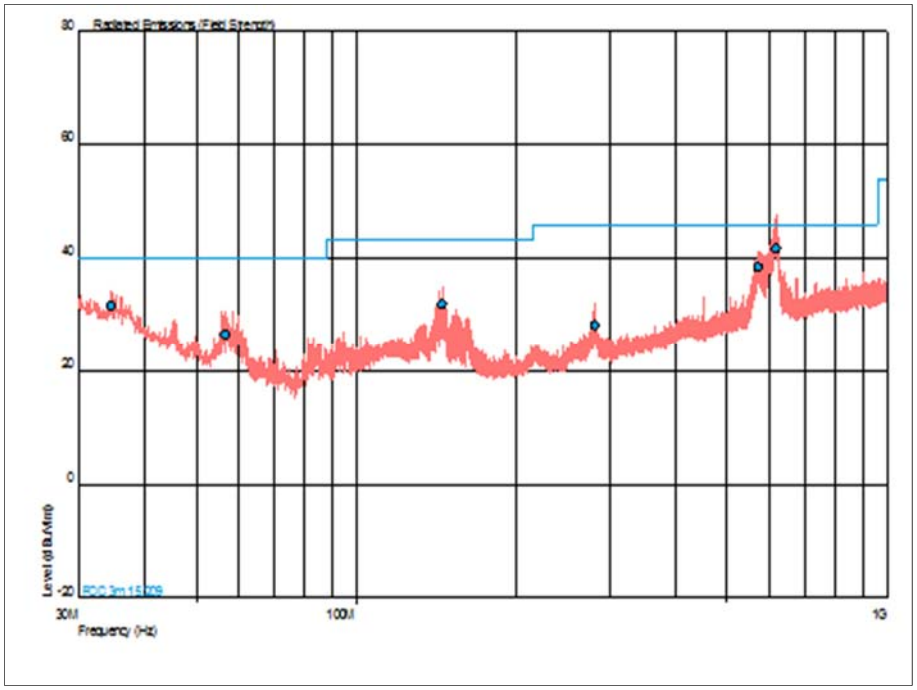

Figure 255 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.1207	868.96	312.97	5000.00	500.00	4131.04	187.03

Table 207 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz

No other emissions were detected within 6 dB of the limit.