

2.7 Spurious Radiated Emissions

2.7.1 Specification Reference

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

2.7.2 Equipment Under Test and Modification State

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

2.7.3 Date of Test

30-April-2017 to 08-May-2017

2.7.4 Test Method

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

2.7.5 Environmental Conditions

Ambient Temperature 16.7 - 23.1 °C
Relative Humidity 28.0 - 42.0 %

2.7.6 Test Results

802.11a

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

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	360	1.00	Vertical
173.200	20.0	43.5	-23.5	151	1.00	Vertical
242.689	21.1	46.0	-24.9	201	1.00	Horizontal
327.021	27.6	46.0	-18.4	298	1.00	Horizontal
410.000	27.5	46.0	-18.5	41	1.00	Horizontal
614.000	30.5	46.0	-15.5	43	1.00	Horizontal

Table 140 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz

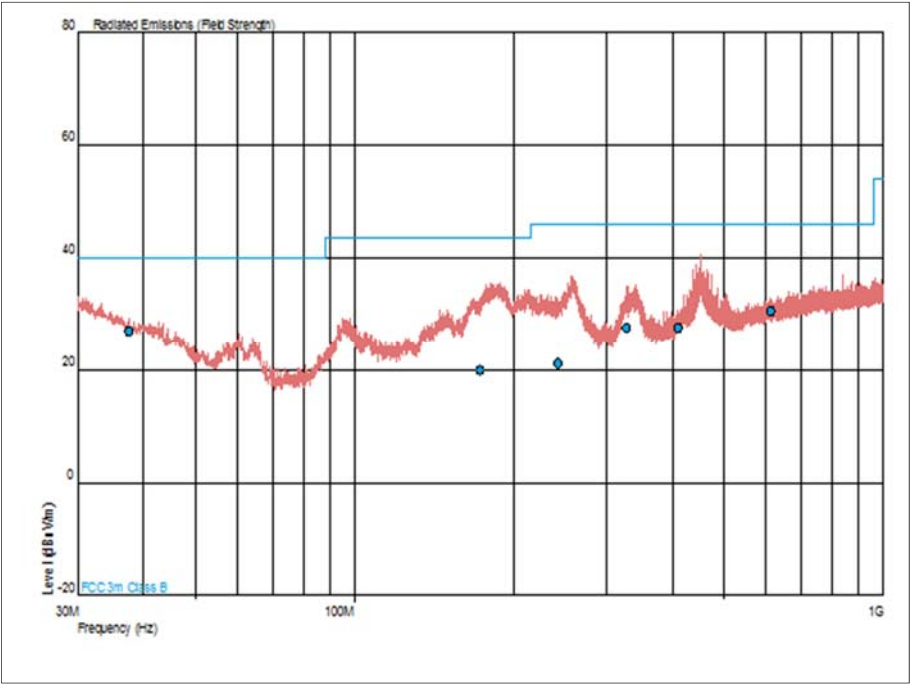


Figure 182 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 141 - U-NII 1 - 5180 MHz – 1 GHz to 40 GHz

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

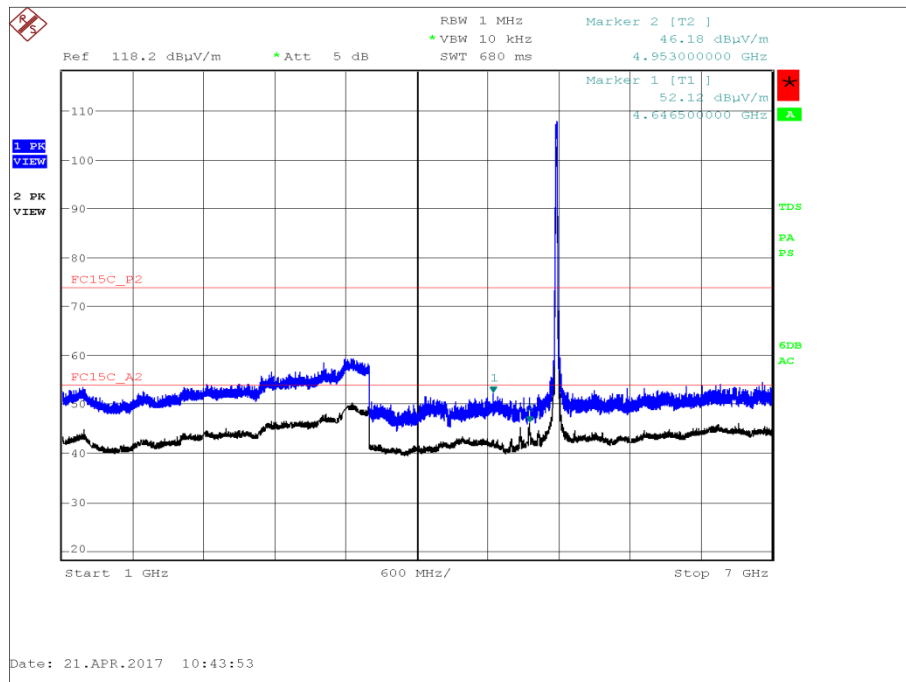


Figure 183 - U-NII 1 - 5180 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

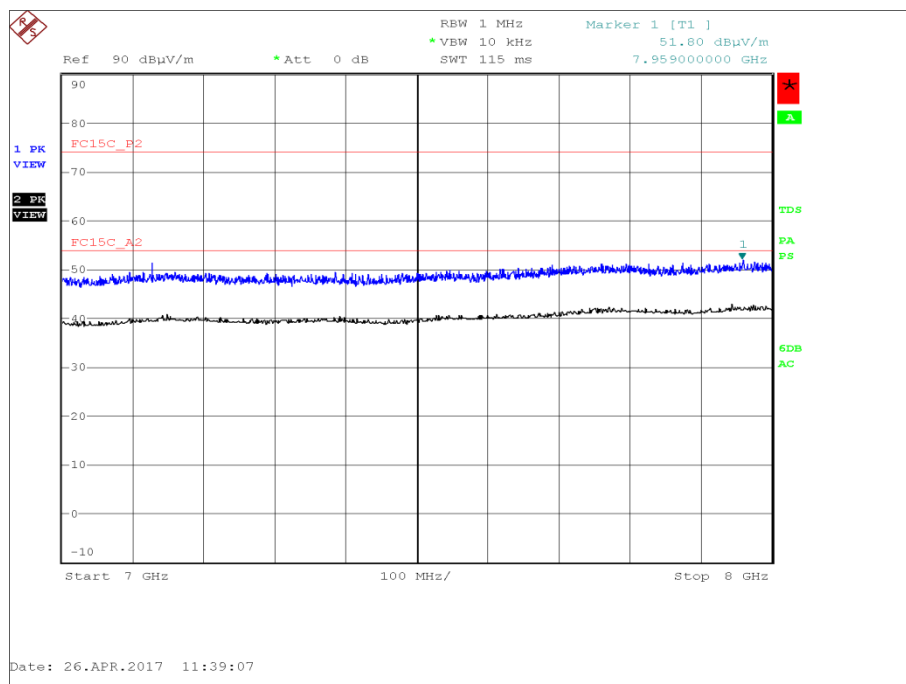


Figure 184 - U-NII 1 - 5180 MHz - 7 GHz to 8 GHz - Horizontal and Vertical



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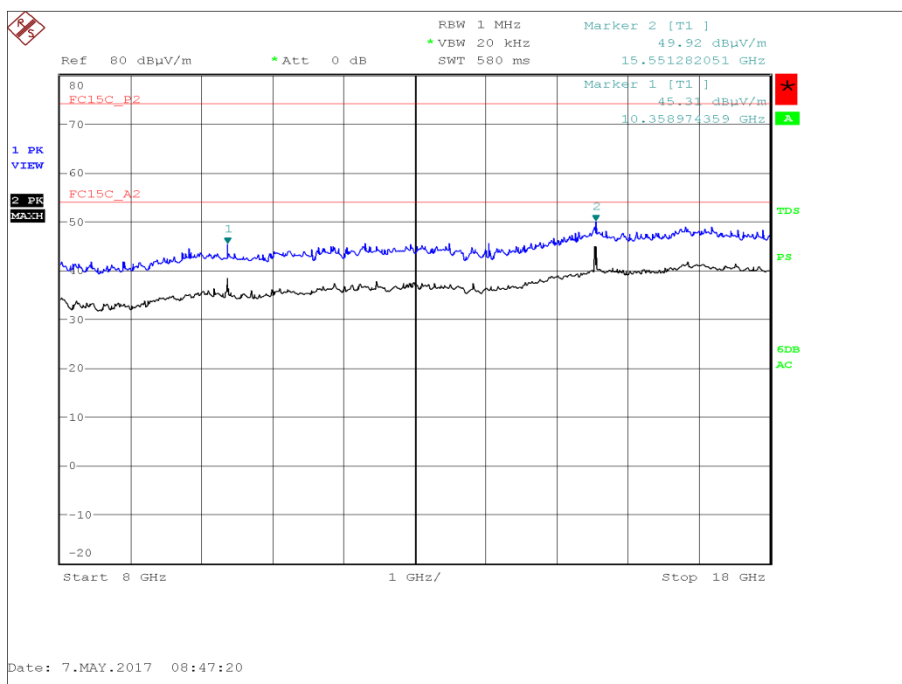


Figure 185 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

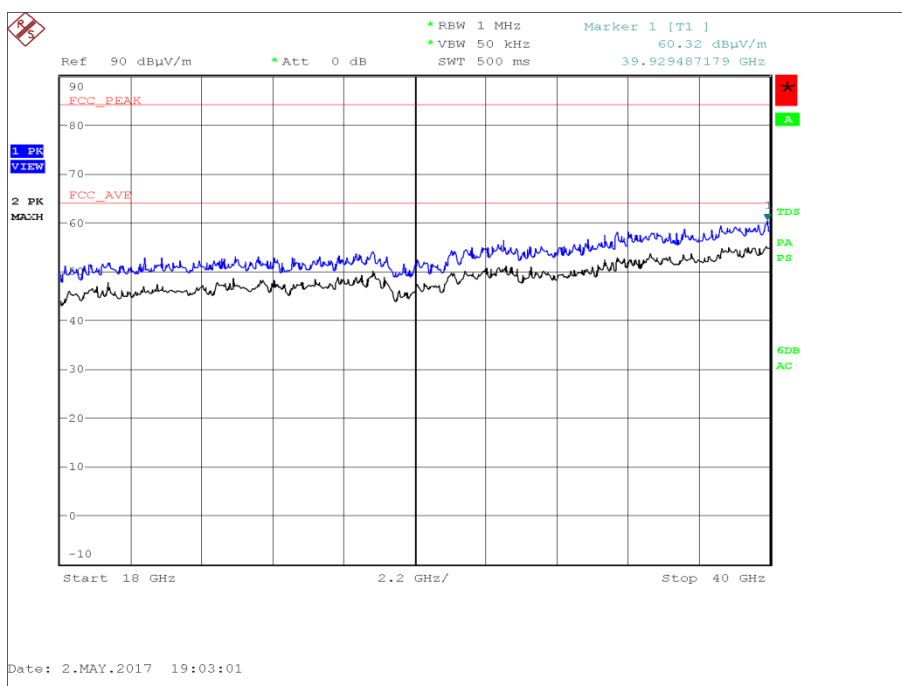


Figure 186 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	187	1.00	Vertical
173.200	29.6	43.5	-13.9	55	1.00	Horizontal
261.130	32.4	46.0	-13.6	189	1.00	Horizontal
334.021	32.3	46.0	-13.7	67	1.00	Horizontal
410.000	27.7	46.0	-18.3	132	1.00	Horizontal
614.000	31.0	46.0	-15.0	150	1.00	Horizontal

Table 142 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

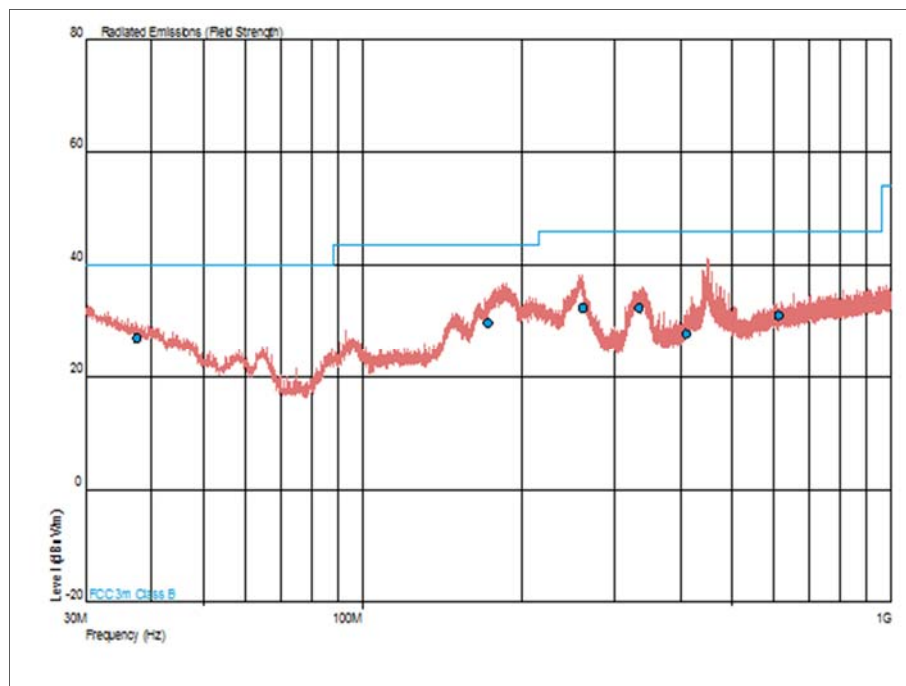


Figure 187 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 143 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz

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



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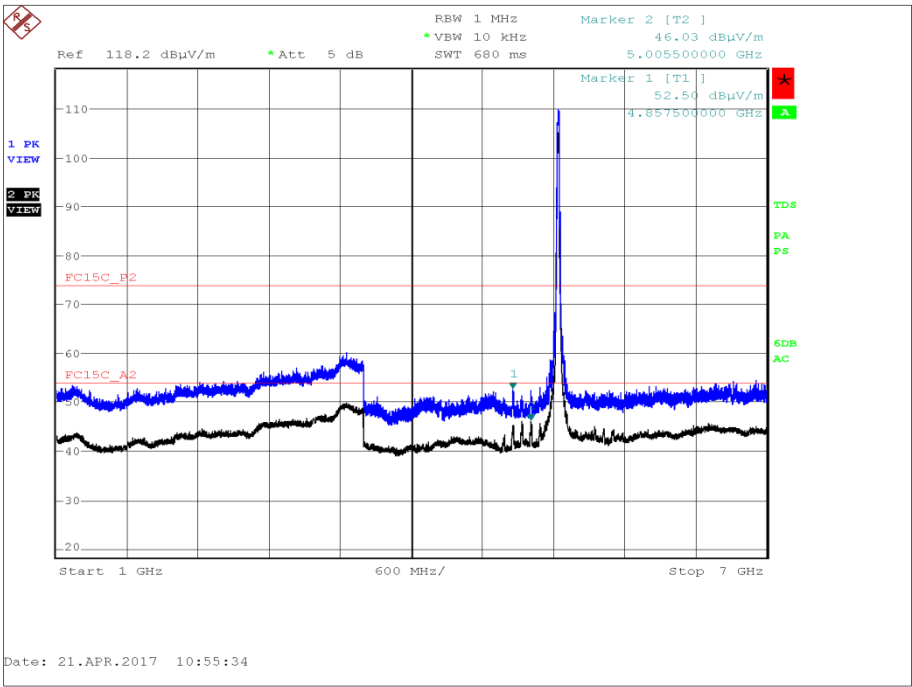


Figure 188 - U-NII 1 - 5200 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

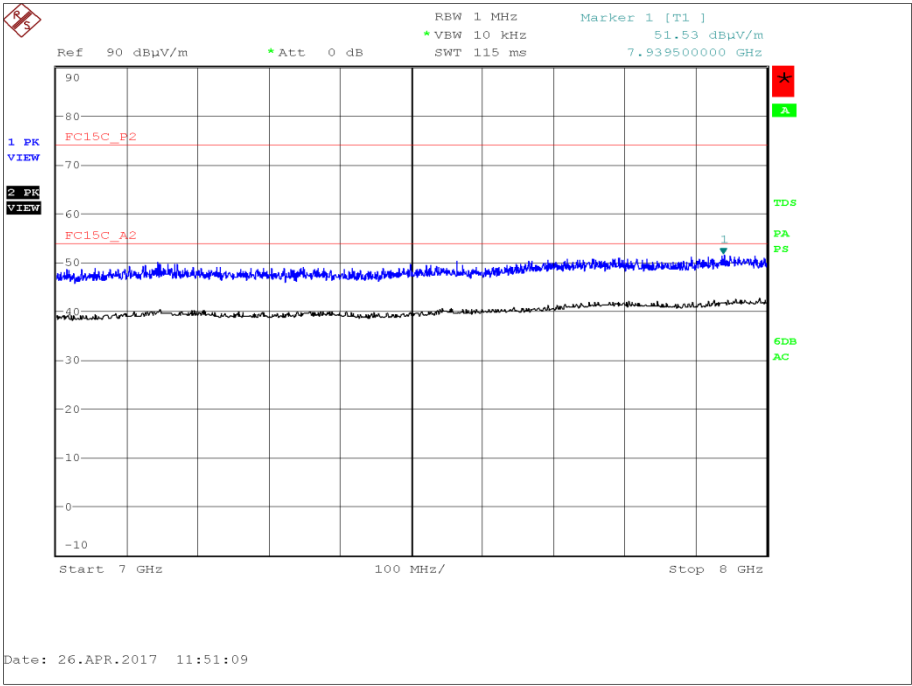


Figure 189 - U-NII 1 - 5200 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

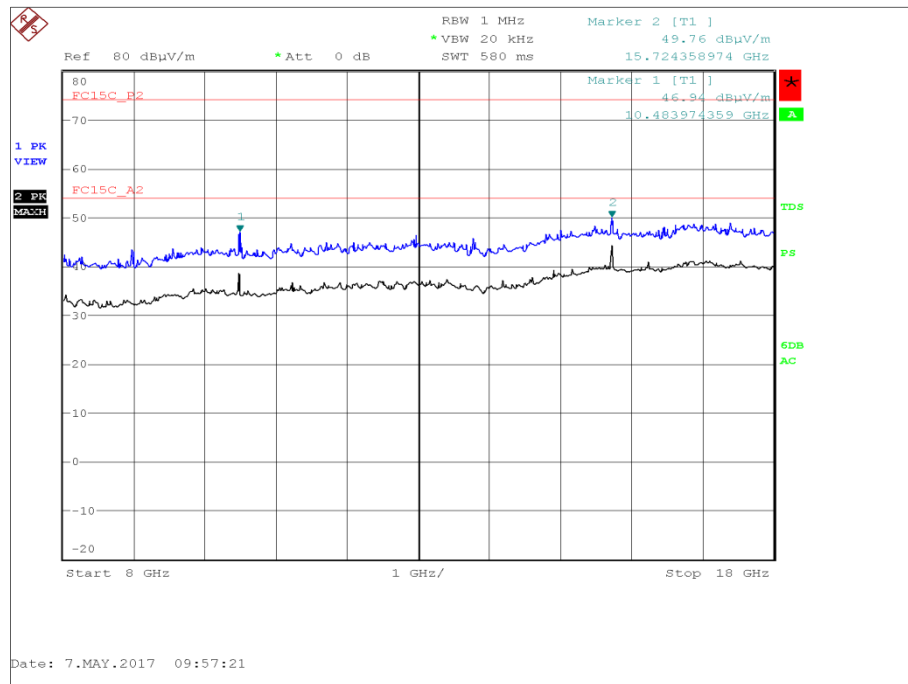


Figure 190 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

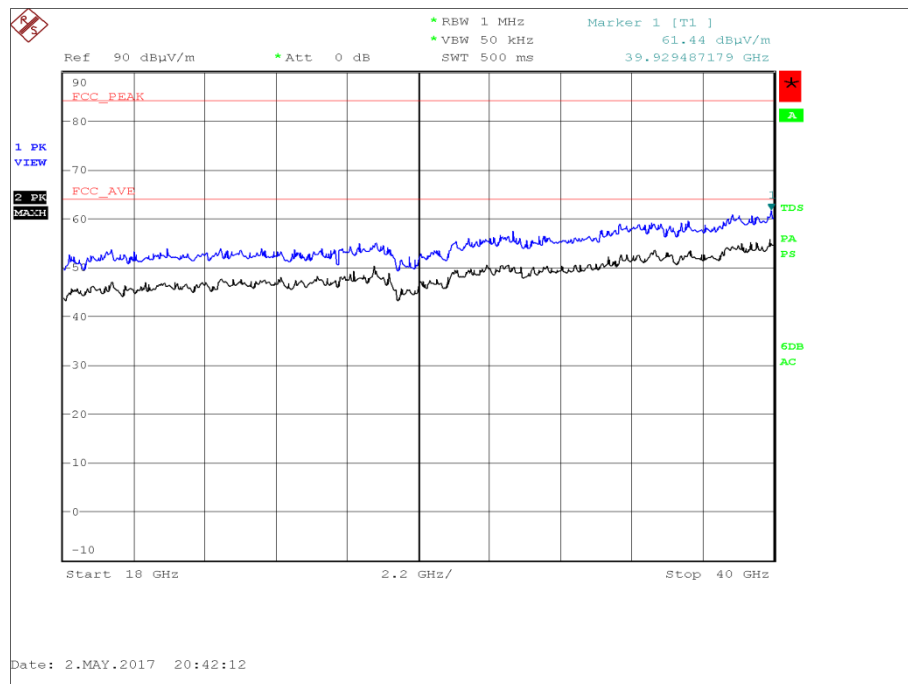


Figure 191 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	360	1.00	Vertical
169.019	19.6	43.5	-23.9	198	1.00	Vertical
261.000	33.8	46.0	-12.2	2	1.00	Horizontal
326.271	32.6	46.0	-13.4	320	1.00	Horizontal
410.000	27.3	46.0	-18.7	64	1.00	Horizontal
614.000	30.5	46.0	-15.5	290	1.00	Horizontal

Table 144 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz

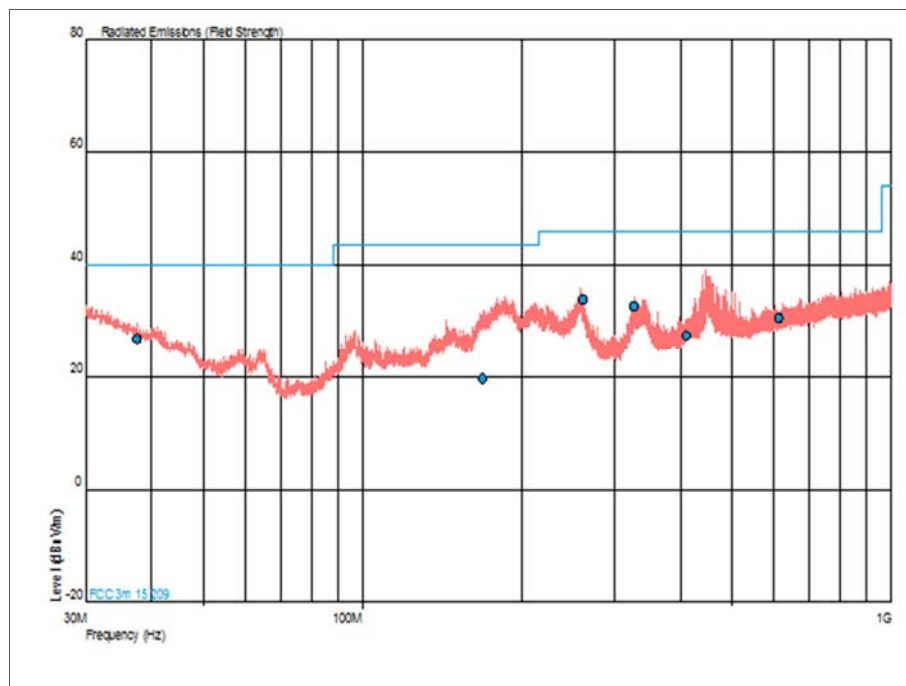


Figure 192 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 145 - U-NII 1 - 5240 MHz – 1 GHz to 40 GHz

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



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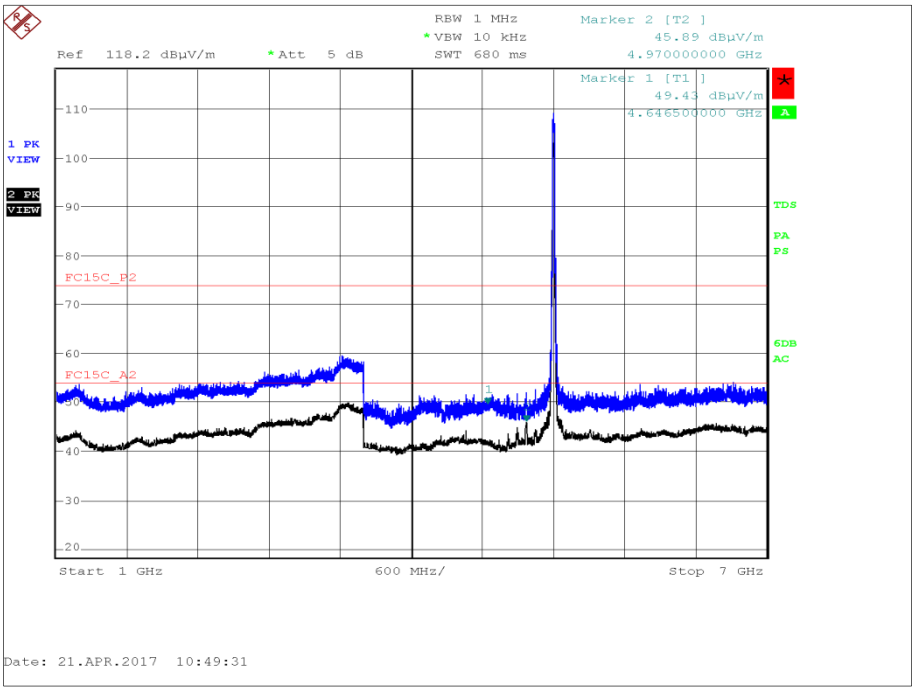


Figure 193 - U-NII 1 - 5240 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

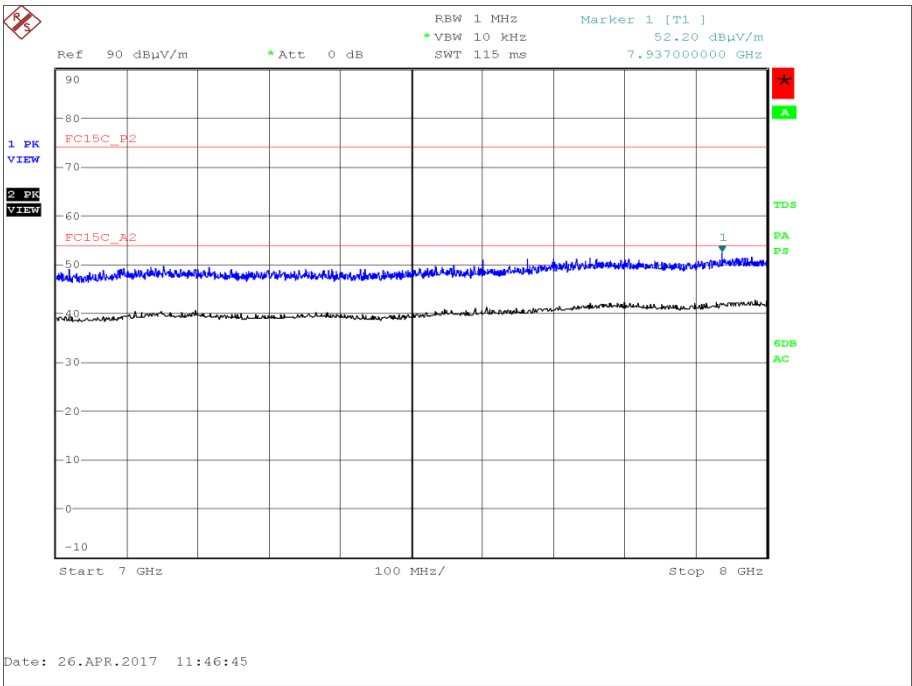


Figure 194 - U-NII 1 - 5240 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

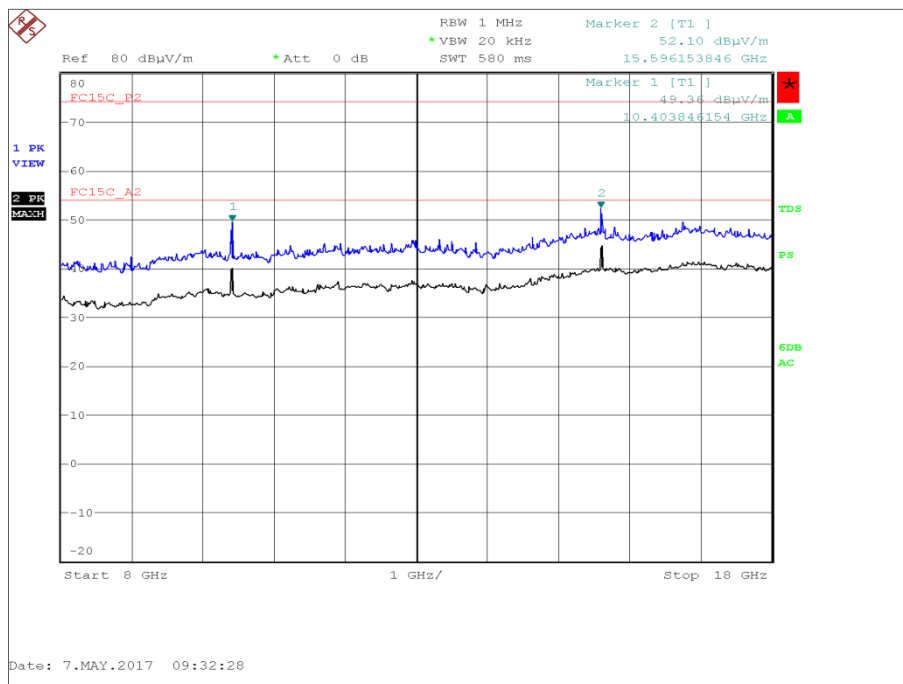


Figure 195 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

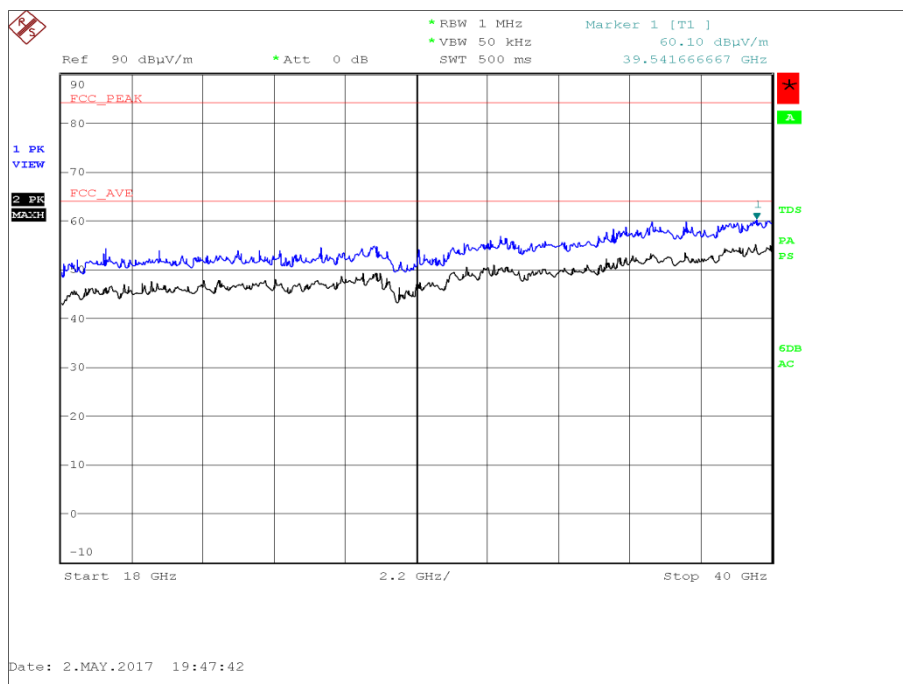


Figure 196 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz - Horizontal and Vertical



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	347	1.00	Horizontal
171.317	30.3	43.5	-13.2	37	1.00	Vertical
260.962	32.4	46.0	-13.6	360	1.00	Horizontal
325.833	30.8	46.0	-15.2	180	1.00	Horizontal
410.000	27.6	46.0	-18.4	43	1.00	Horizontal
614.000	30.5	46.0	-15.5	82	1.00	Horizontal

Table 146 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz

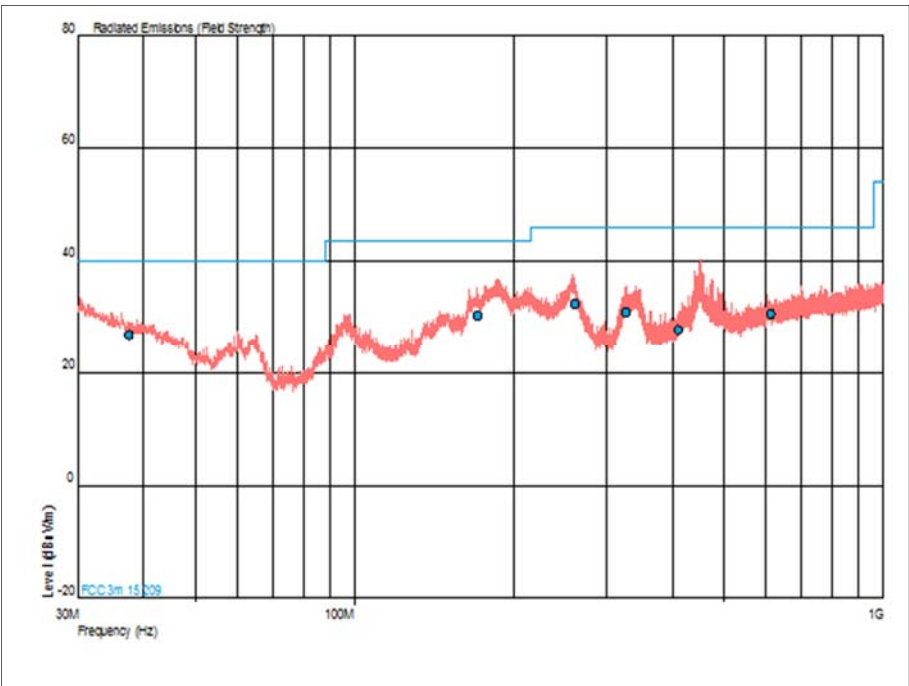


Figure 197 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 147 - U-NII 2a - 5260 MHz – 1 GHz to 40 GHz

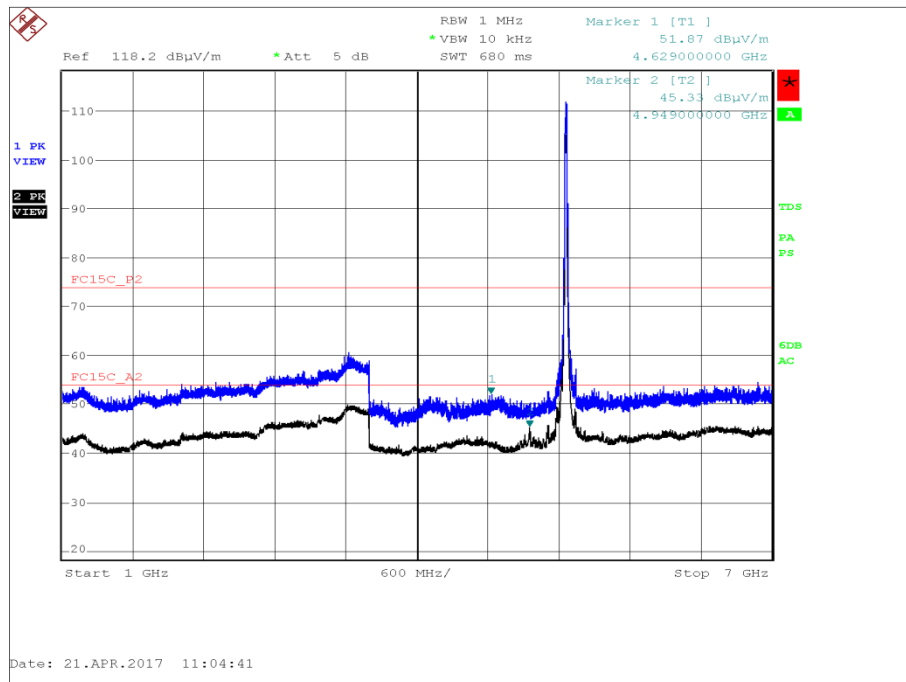


Figure 198 - U-NII 2a - 5260 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

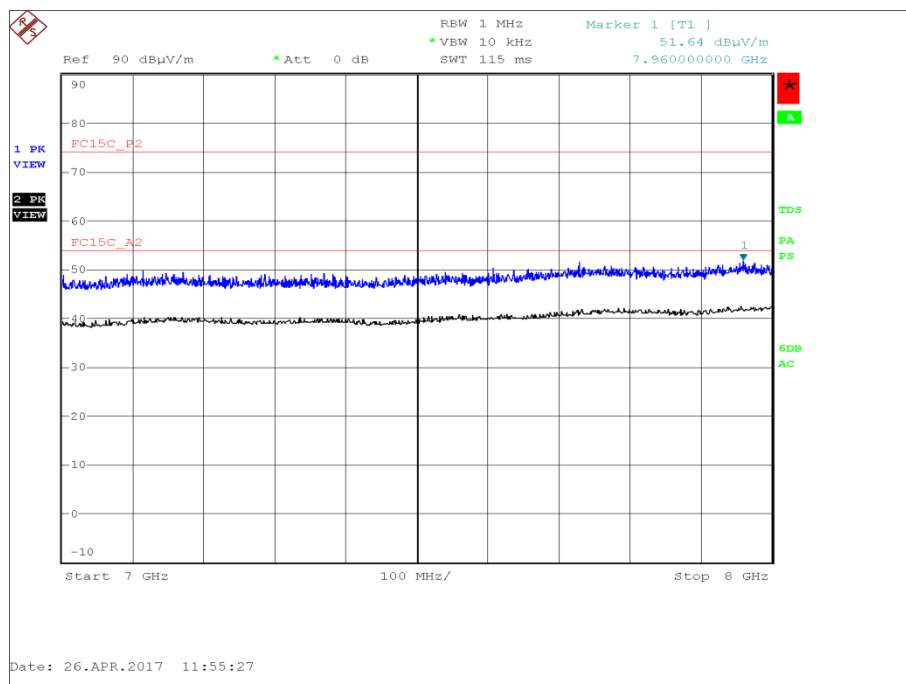


Figure 199 - U-NII 2a - 5260 MHz - 7 GHz to 8 GHz - Horizontal and Vertical



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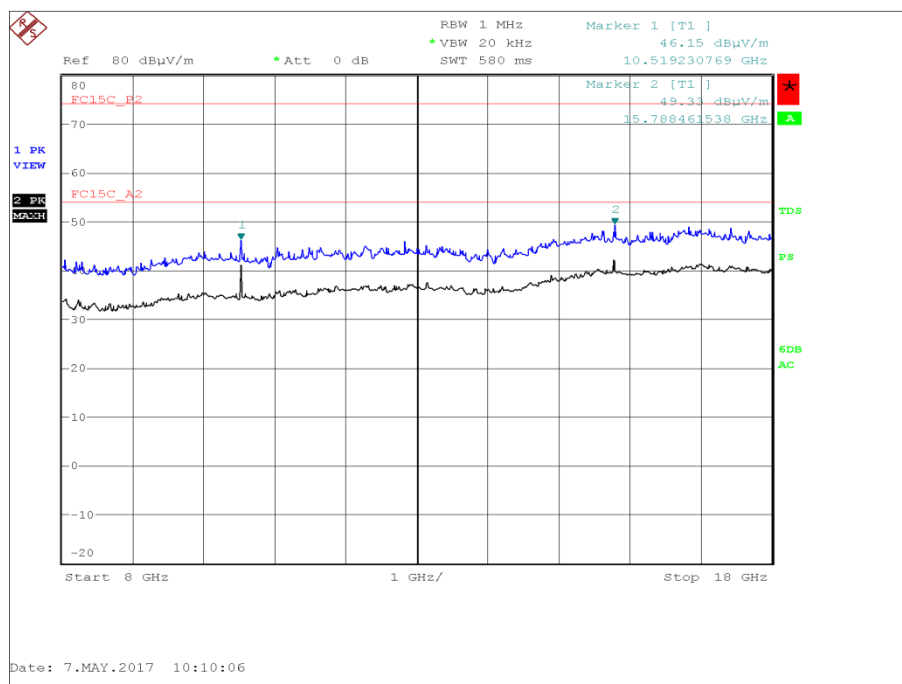


Figure 200 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

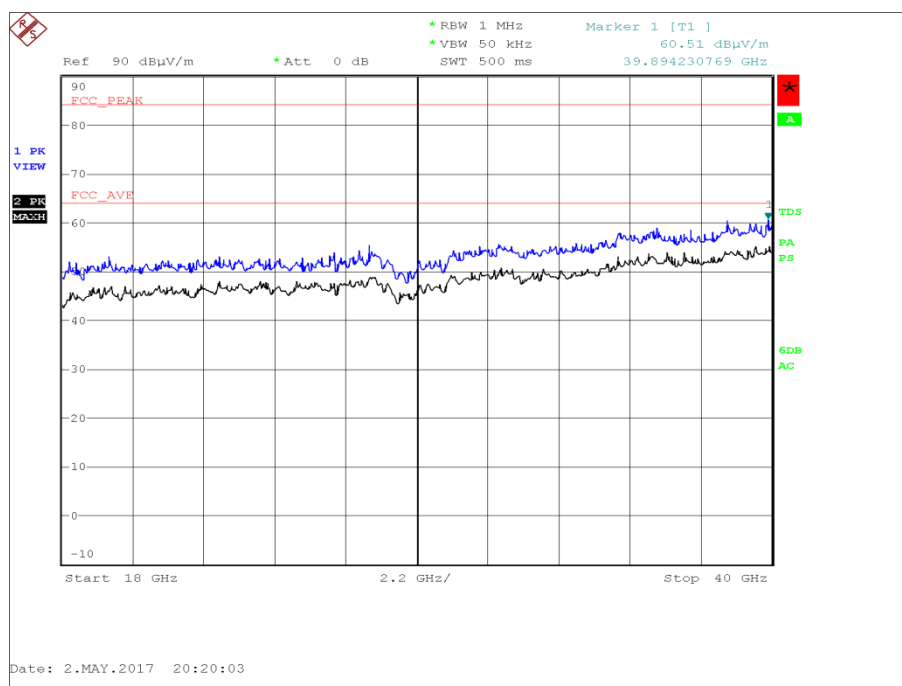


Figure 201 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz - Horizontal and Vertical



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
35.000	27.8	40.0	-12.2	13	1.00	Vertical
172.346	26.8	43.5	-16.7	360	1.00	Vertical
261.000	22.6	46.0	-23.4	0	1.00	Horizontal
326.731	27.6	46.0	-18.4	183	1.00	Horizontal
410.000	27.4	46.0	-18.6	353	1.00	Horizontal
614.000	30.5	46.0	-15.5	316	1.00	Horizontal

Table 148 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz

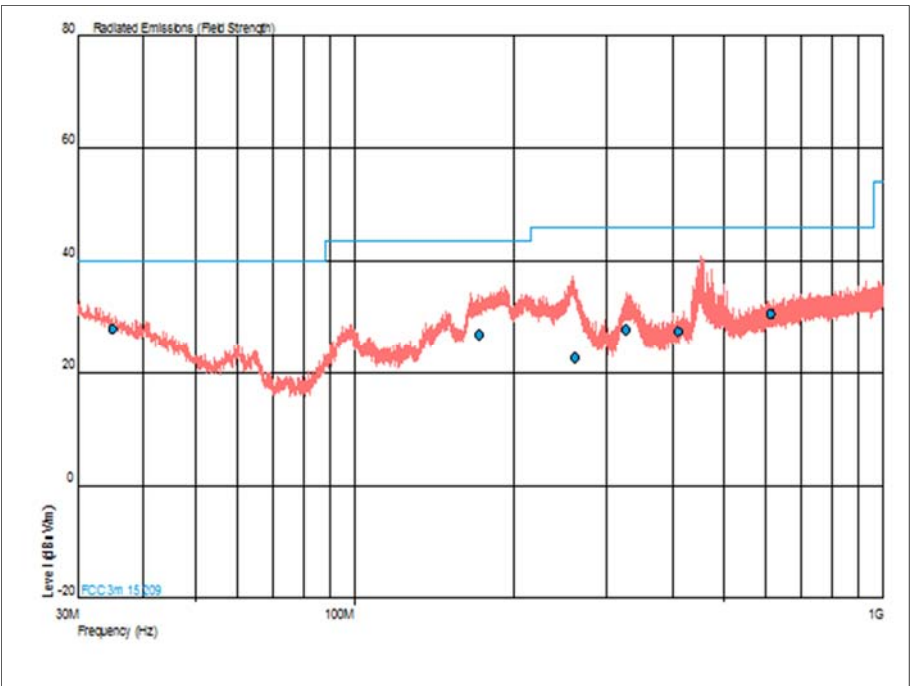


Figure 202 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 149 - U-NII 2a - 5300 MHz - 1 GHz to 40 GHz

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



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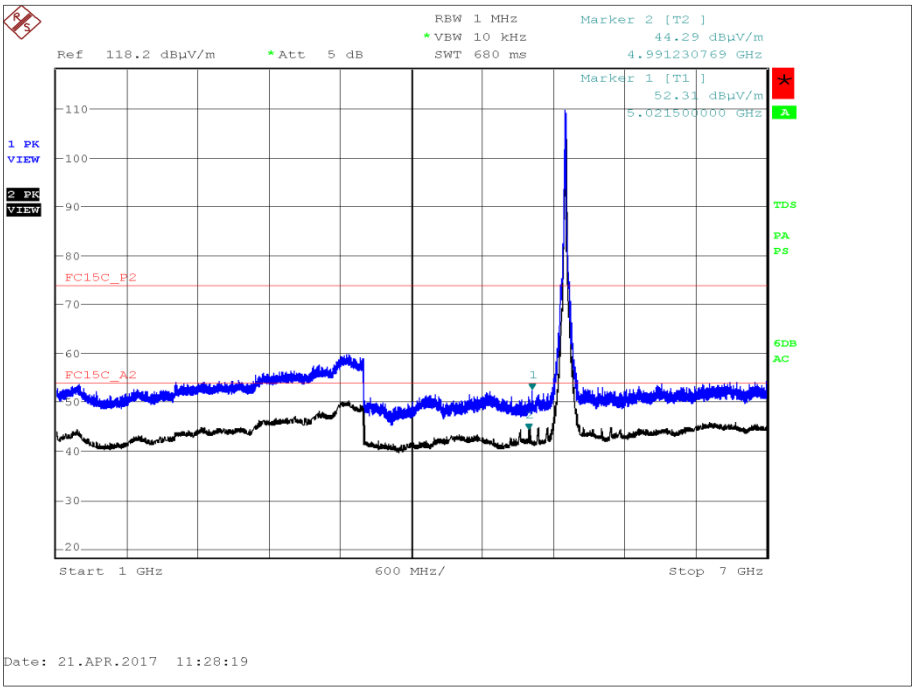


Figure 203 - U-NII 2a - 5300 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

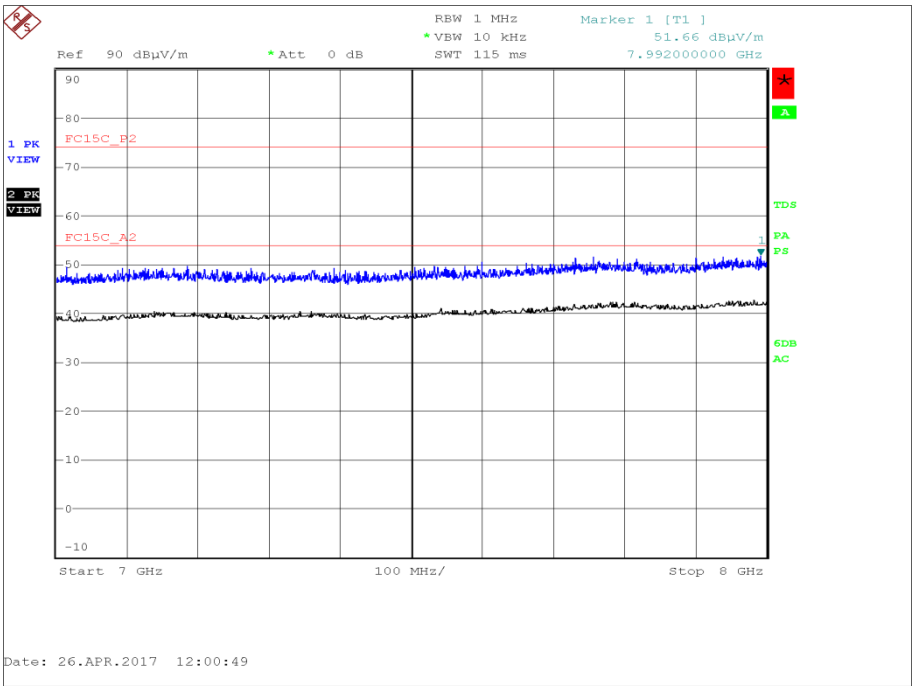


Figure 204 - U-NII 2a - 5300 MHz - 7 GHz to 8 GHz - Horizontal and Vertical



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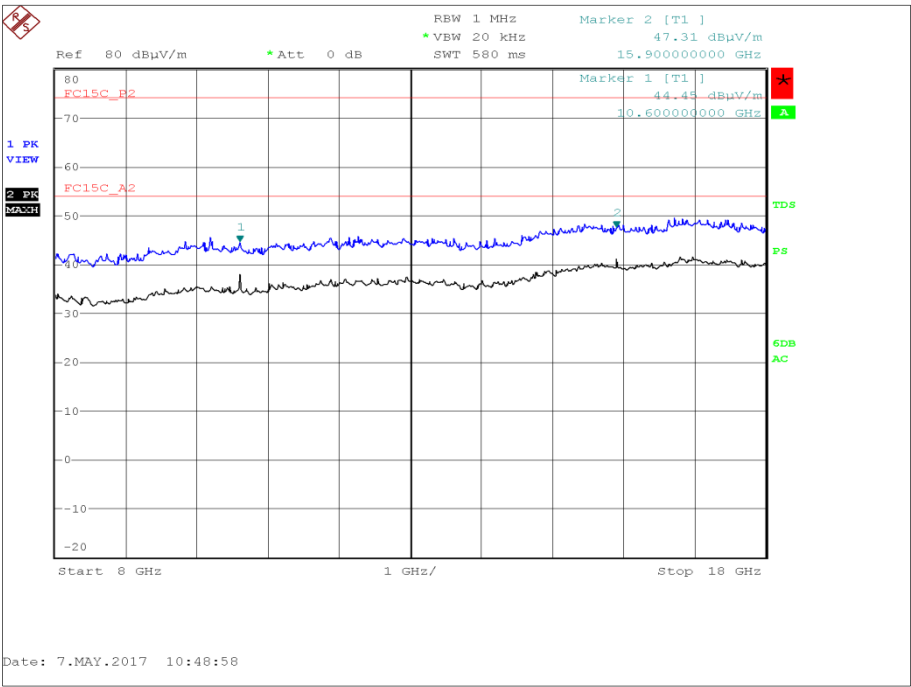


Figure 205 - U-NII 2a - 5300 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

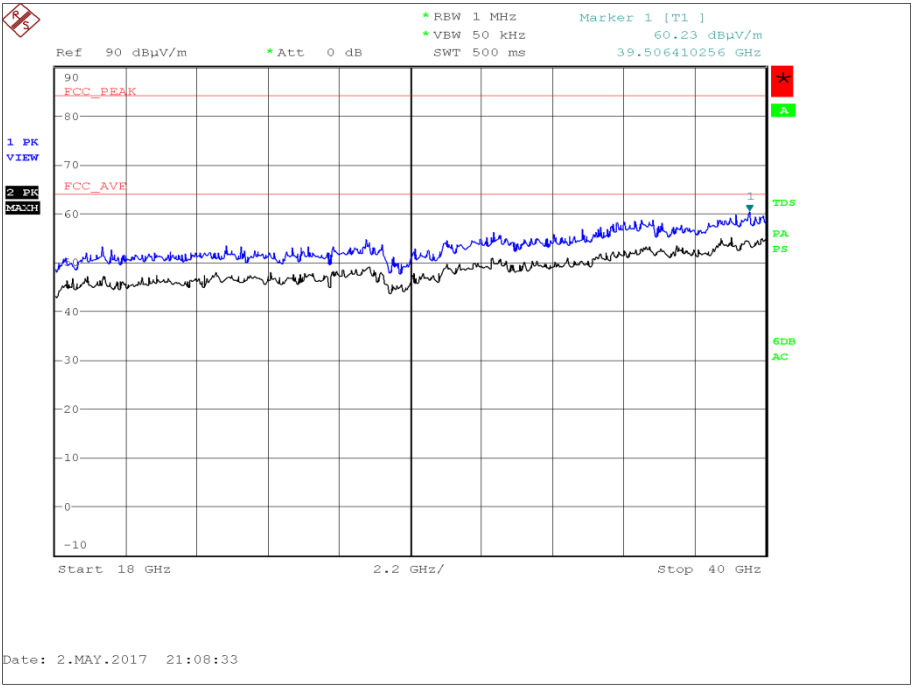


Figure 206 - U-NII 2a - 5300 MHz - 18 GHz to 40 GHz - Horizontal and Vertical



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.1	40.0	-12.9	360	1.00	Vertical
168.692	31.7	43.5	-11.8	45	1.00	Vertical
261.845	31.9	46.0	-14.1	187	1.00	Horizontal
325.913	29.6	46.0	-16.4	161	1.00	Horizontal
410.000	27.9	46.0	-18.1	43	1.00	Horizontal
614.000	30.5	46.0	-15.5	360	1.00	Horizontal

Table 150 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz

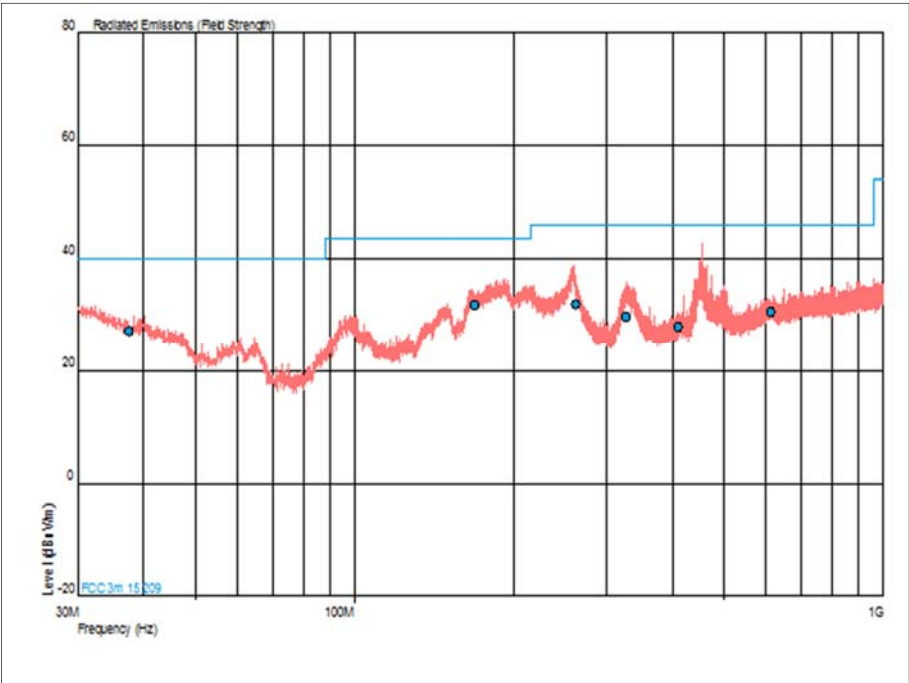


Figure 207 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 151 - U-NII 2a - 5320 MHz - 1 GHz to 40 GHz

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

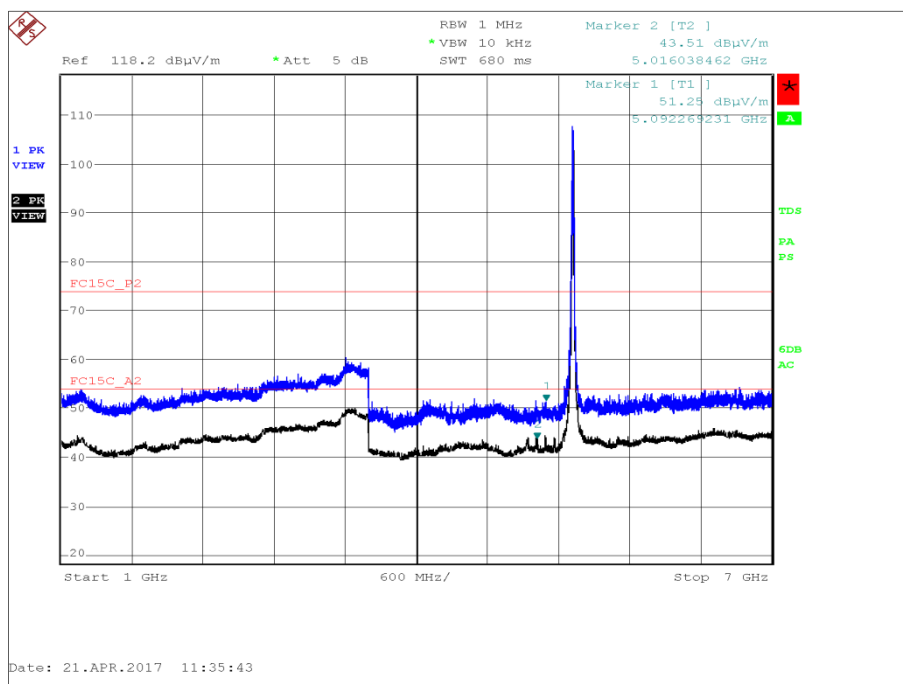


Figure 208 - U-NII 2a - 5320 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

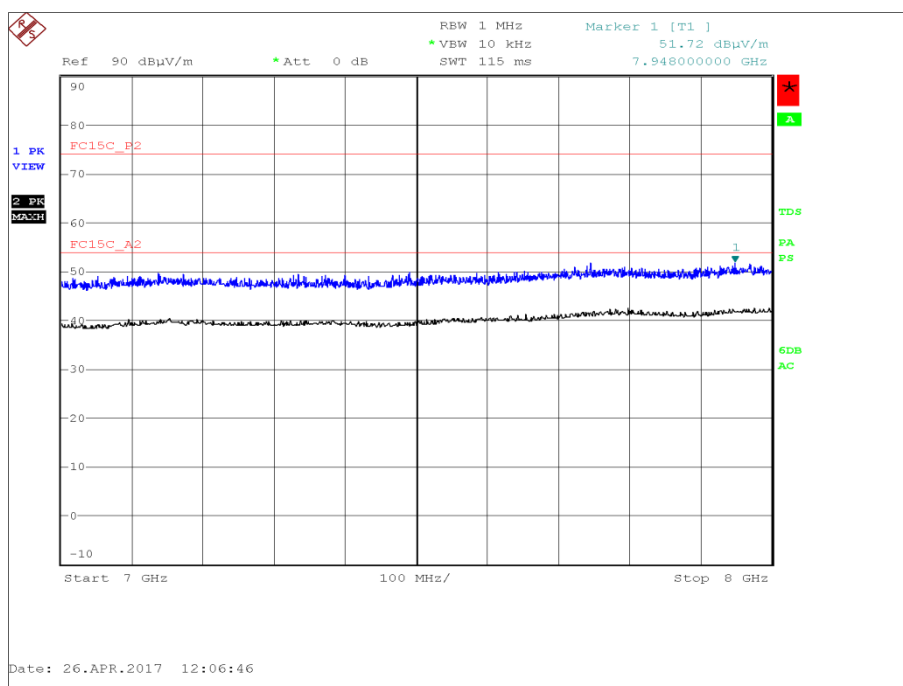


Figure 209 - U-NII 2a - 5320 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

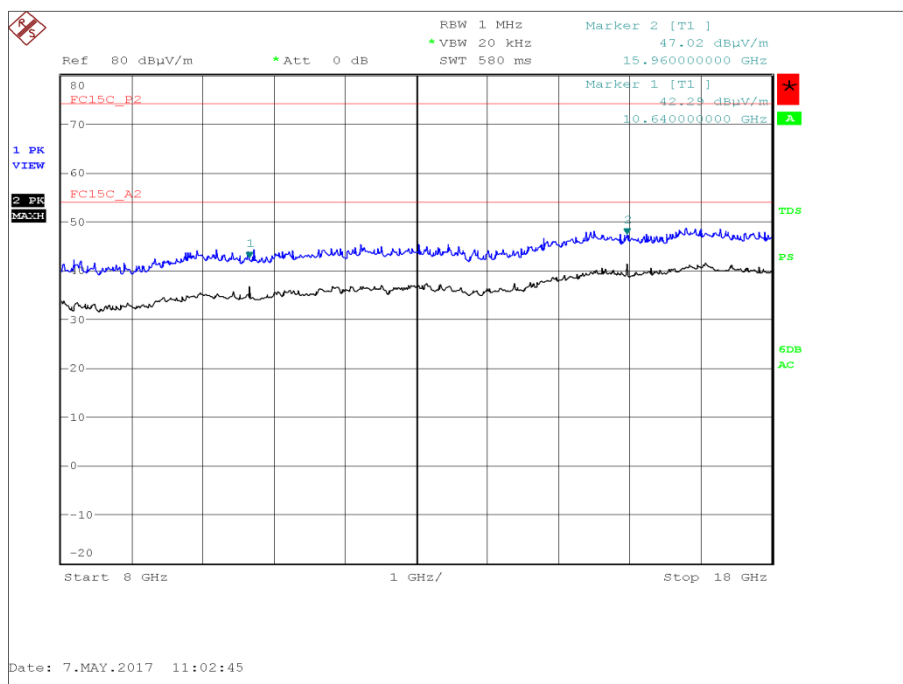


Figure 210 - U-NII 2a - 5320 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

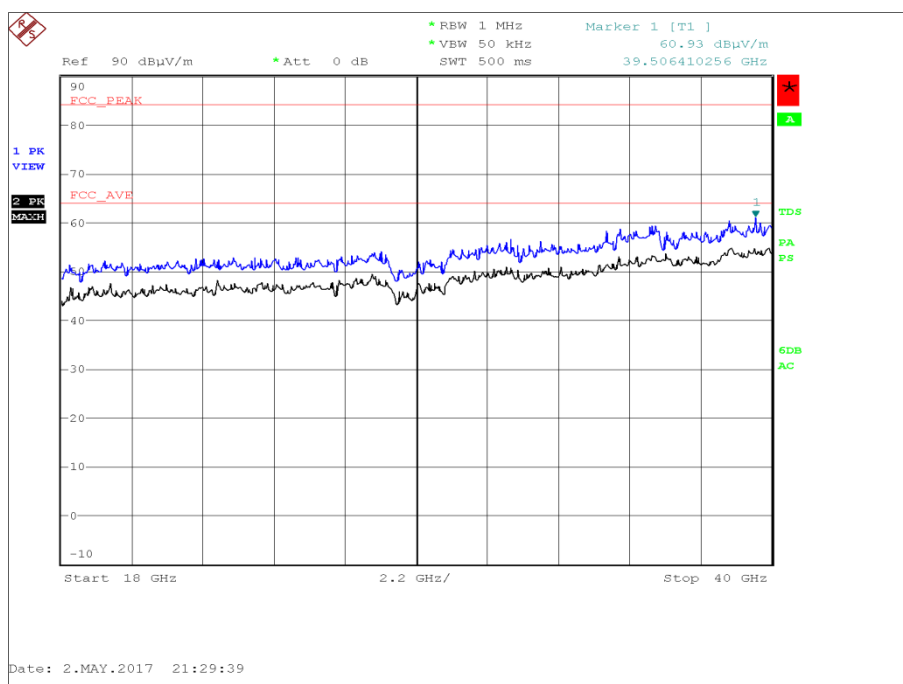


Figure 211 - U-NII 2a - 5320 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	32	1.00	Vertical
169.875	30.0	43.5	-13.5	36	1.00	Vertical
260.339	31.8	46.0	-14.2	172	1.00	Horizontal
326.333	27.5	46.0	-18.5	316	1.00	Horizontal
410.000	27.4	46.0	-18.6	0	1.00	Horizontal
614.000	30.5	46.0	-15.5	67	1.00	Horizontal

Table 152 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz

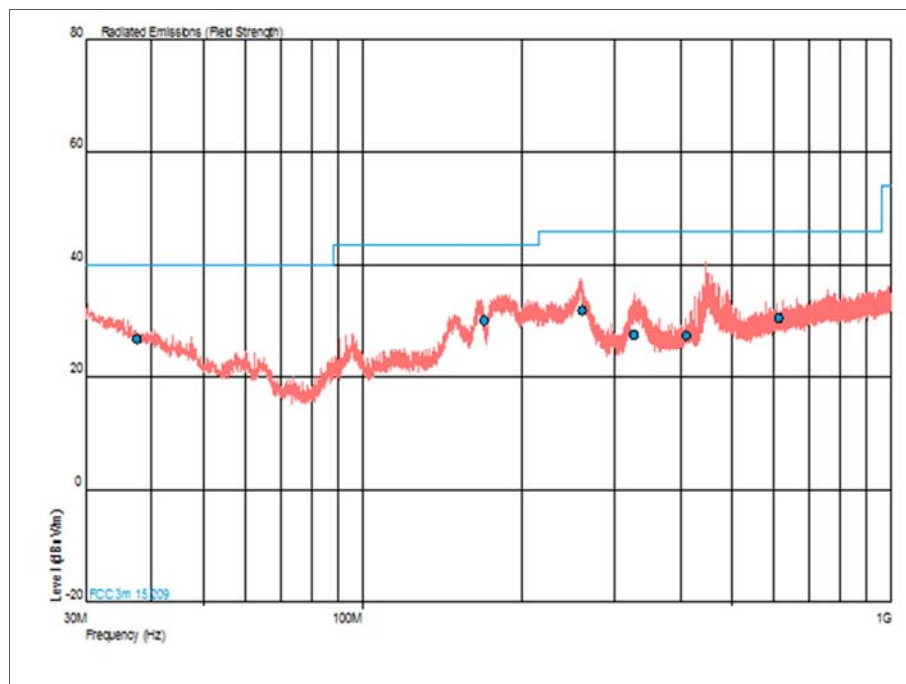


Figure 212 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 153 - U-NII 2c - 5500 MHz - 1 GHz to 40 GHz

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



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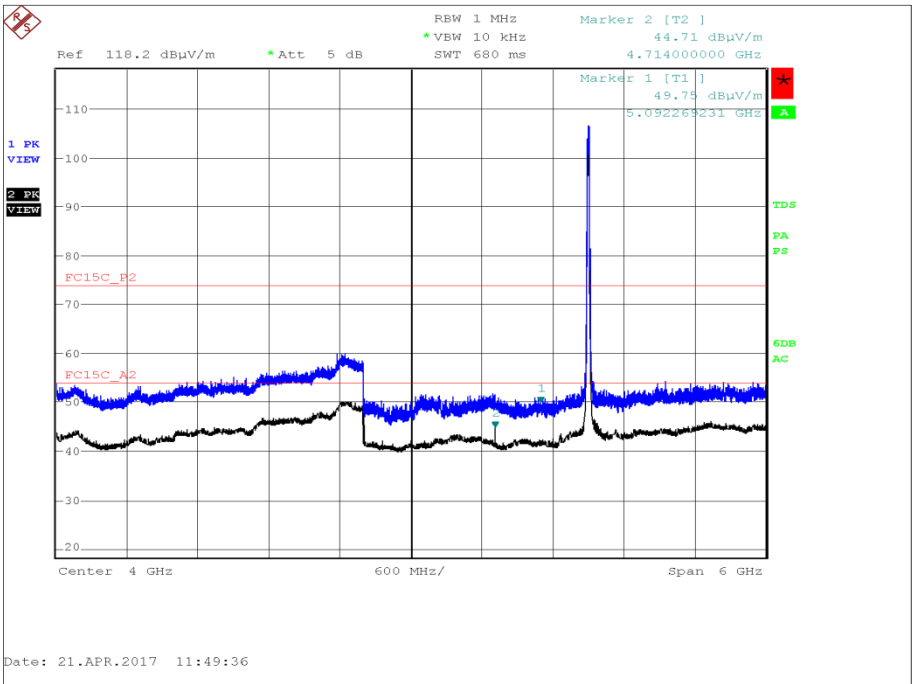


Figure 213 - U-NII 2c - 5500 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

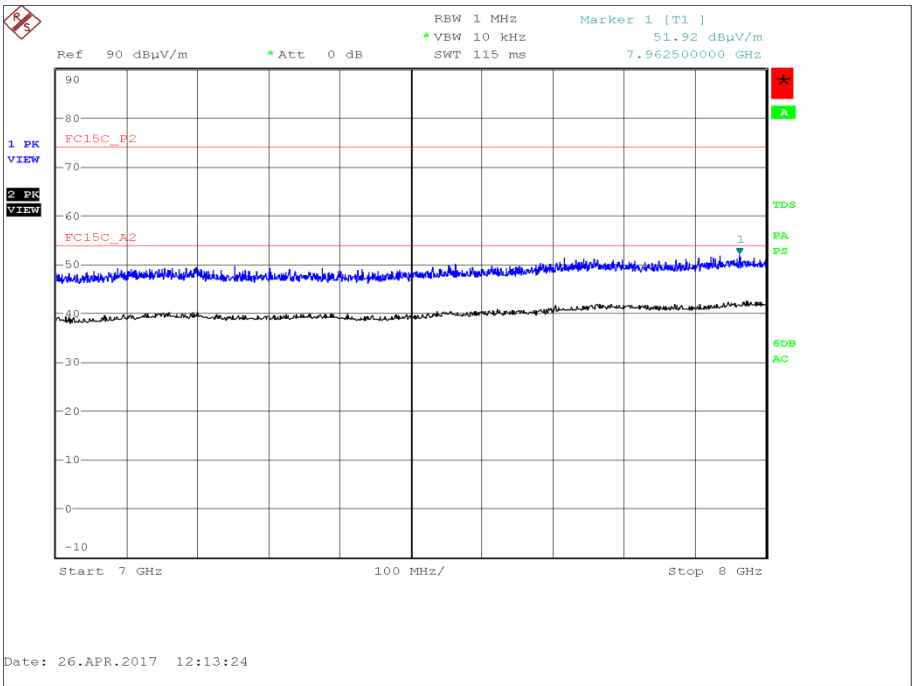


Figure 214 - U-NII 2c - 5500 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

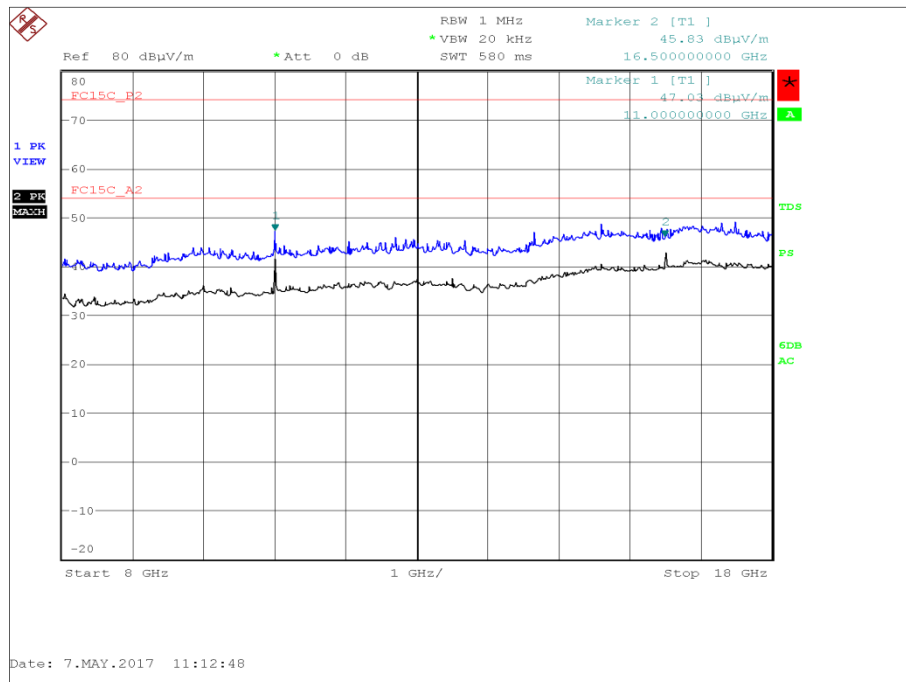


Figure 215 - U-NII 2c - 5500 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

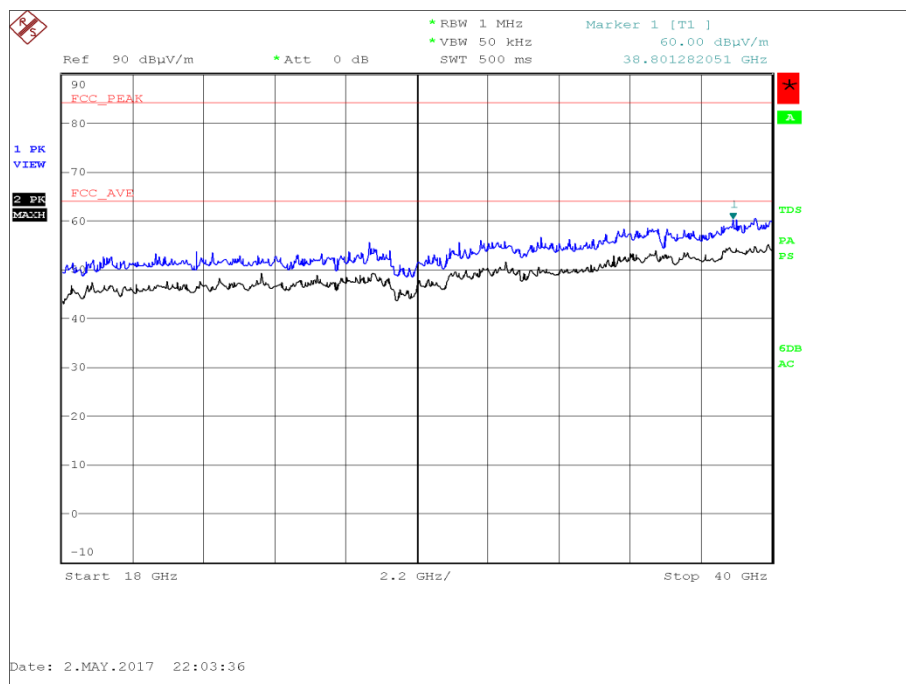


Figure 216 - U-NII 2c - 5500 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.1	40.0	-12.9	33	1.00	Vertical
194.047	32.0	43.5	-11.5	19	1.00	Vertical
261.269	32.9	46.0	-13.1	174	1.00	Horizontal
326.176	31.8	46.0	-14.2	309	1.00	Horizontal
410.000	27.7	46.0	-18.3	253	1.00	Horizontal
614.000	30.6	46.0	-15.4	2	1.00	Horizontal

Table 154 - U-NII 2c - 5600 MHz - 30 MHz to 1 GHz

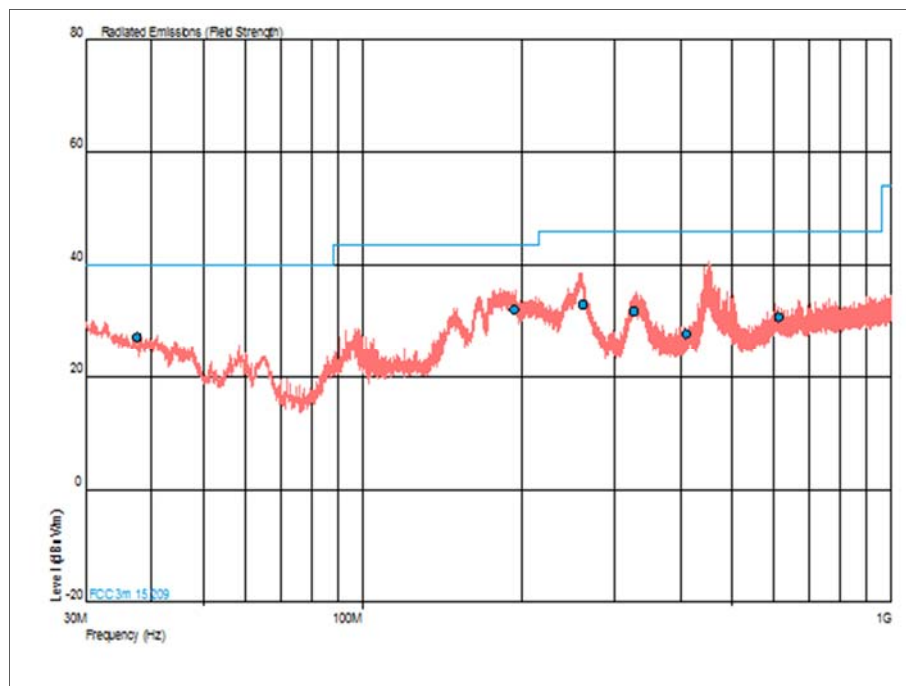


Figure 217 - U-NII 2c - 5600 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 155 - U-NII 2c - 5600 MHz - 1 GHz to 40 GHz

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

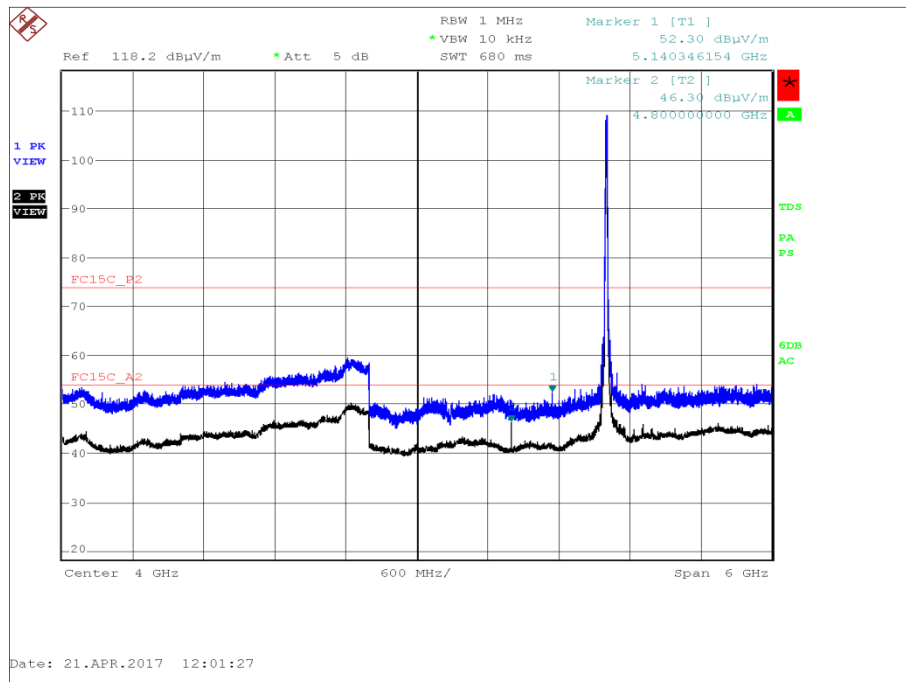


Figure 218 - U-NII 2c - 5600 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

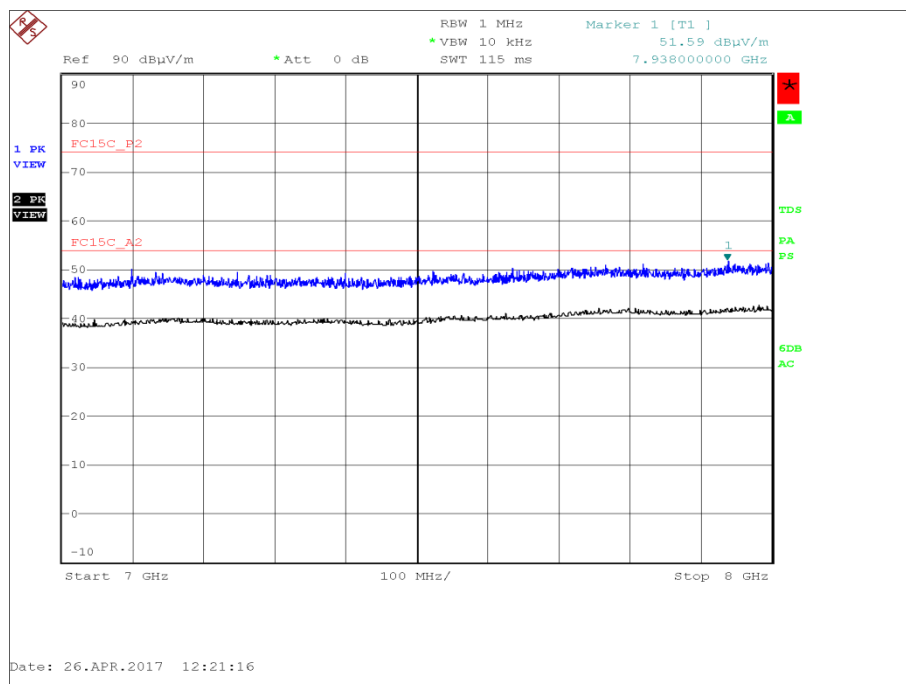


Figure 219 - U-NII 2c - 5600 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

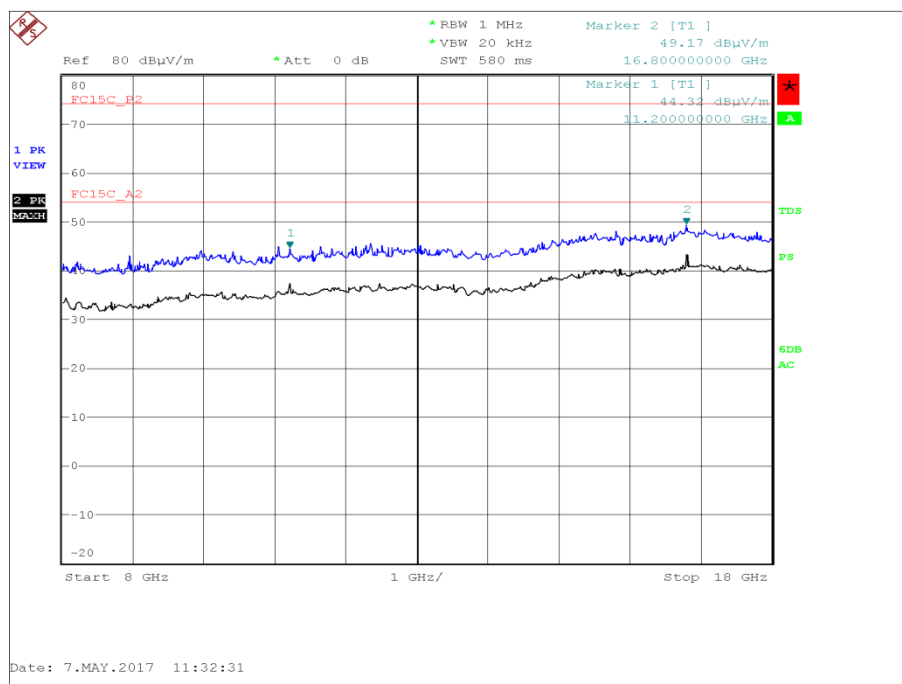


Figure 220 - U-NII 2c - 5600 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

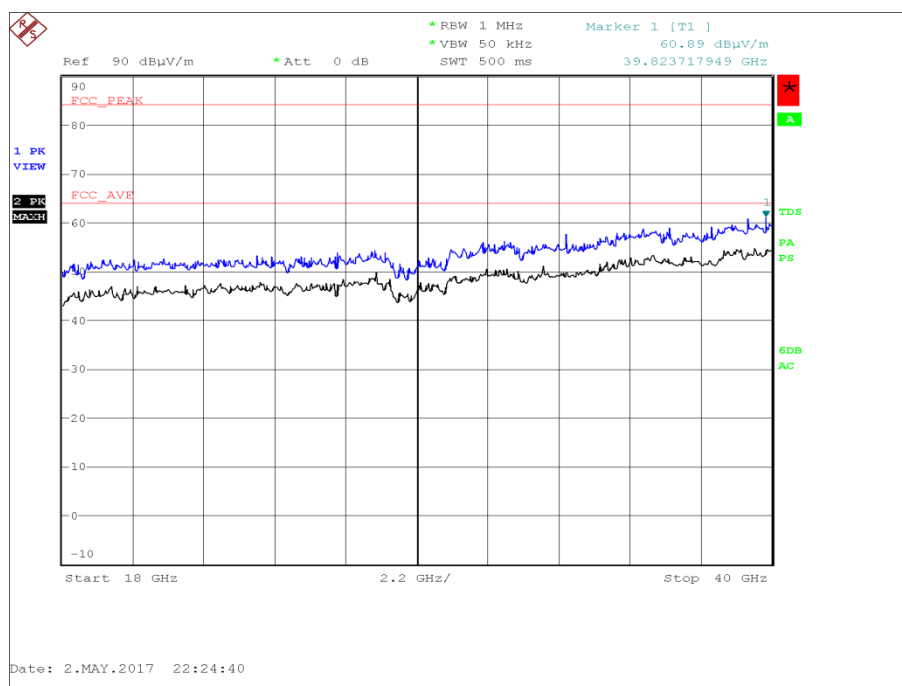


Figure 221 - U-NII 2c - 5600 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	24	1.00	Vertical
169.269	19.2	43.5	-24.3	50	1.00	Vertical
261.000	22.7	46.0	-23.3	36	1.00	Horizontal
327.212	26.9	46.0	-19.1	345	1.00	Horizontal
410.000	27.3	46.0	-18.7	0	1.00	Horizontal
614.000	30.5	46.0	-15.5	37	1.00	Horizontal

Table 156 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz

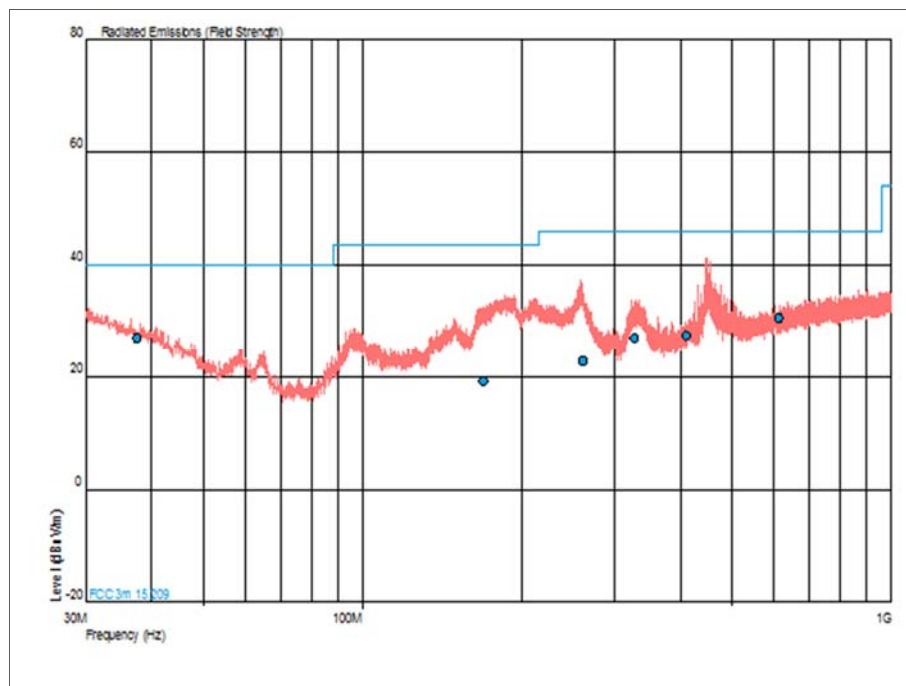


Figure 222 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.885	55.77	49.83	74.00	54.00	18.23	4.17

Table 157 - U-NII 2c - 5700 MHz - 1 GHz to 40 GHz

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



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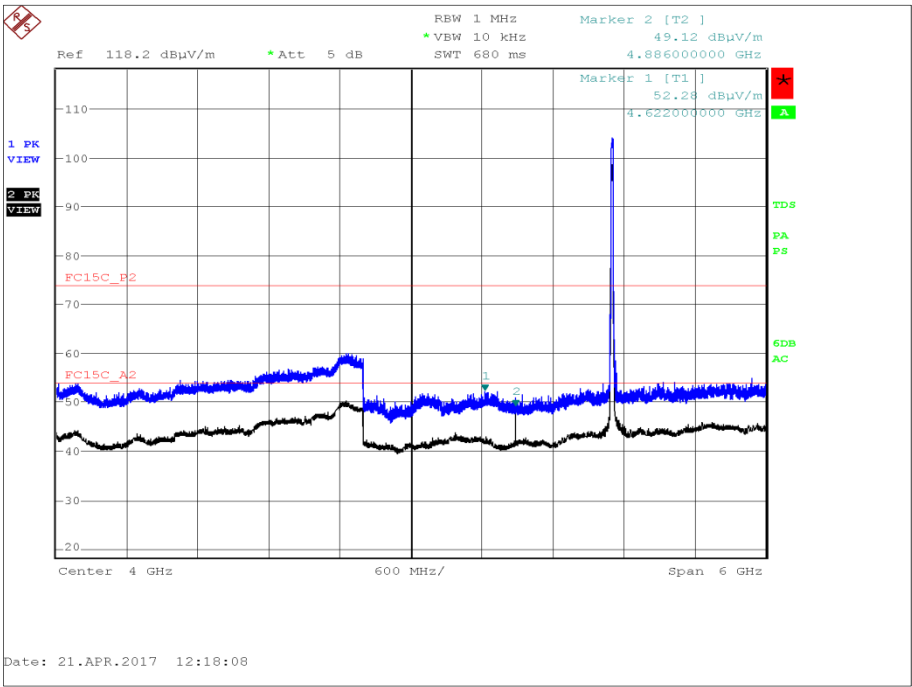


Figure 223 - U-NII 2c - 5700 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

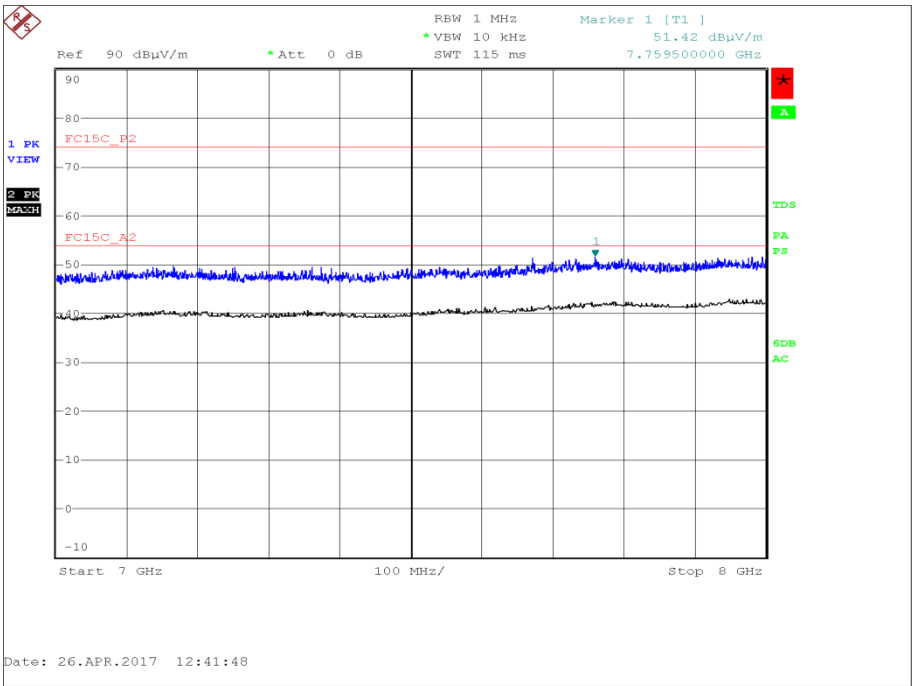


Figure 224 - U-NII 2c - 5700 MHz - 7 GHz to 8 GHz - Horizontal and Vertical



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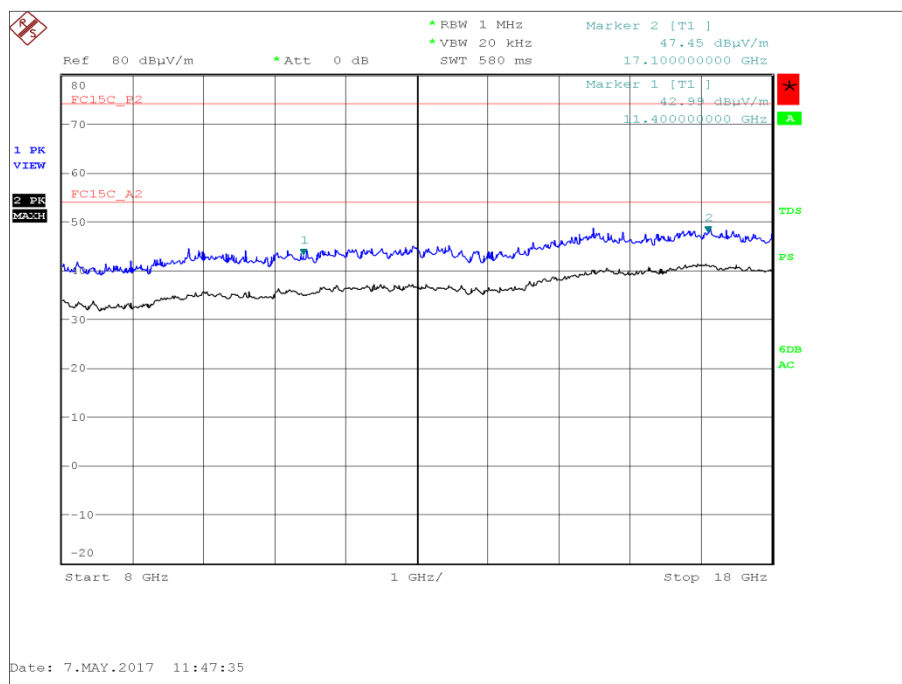


Figure 225 - U-NII 2c - 5700 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

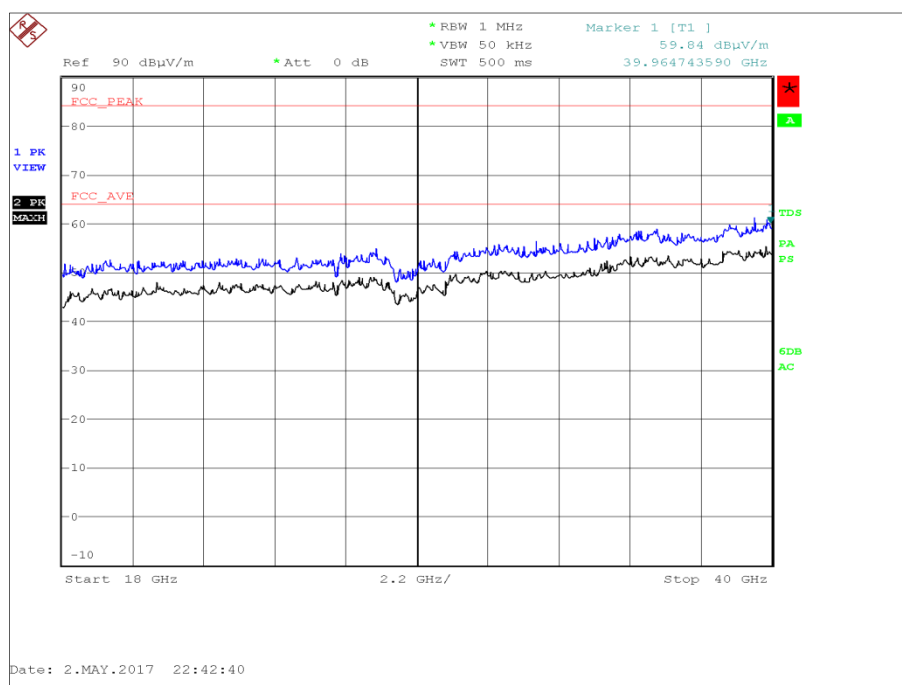


Figure 226 - U-NII 2c - 5700 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.0	40.0	-13.0	149	1.00	Vertical
172.747	32.4	43.5	-11.1	37	1.00	Vertical
260.120	33.5	46.0	-12.5	153	1.00	Horizontal
326.021	31.2	46.0	-14.8	202	1.00	Horizontal
410.000	27.6	46.0	-18.4	0	1.00	Horizontal
614.000	34.0	46.0	-12.0	160	1.00	Horizontal

Table 158 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz

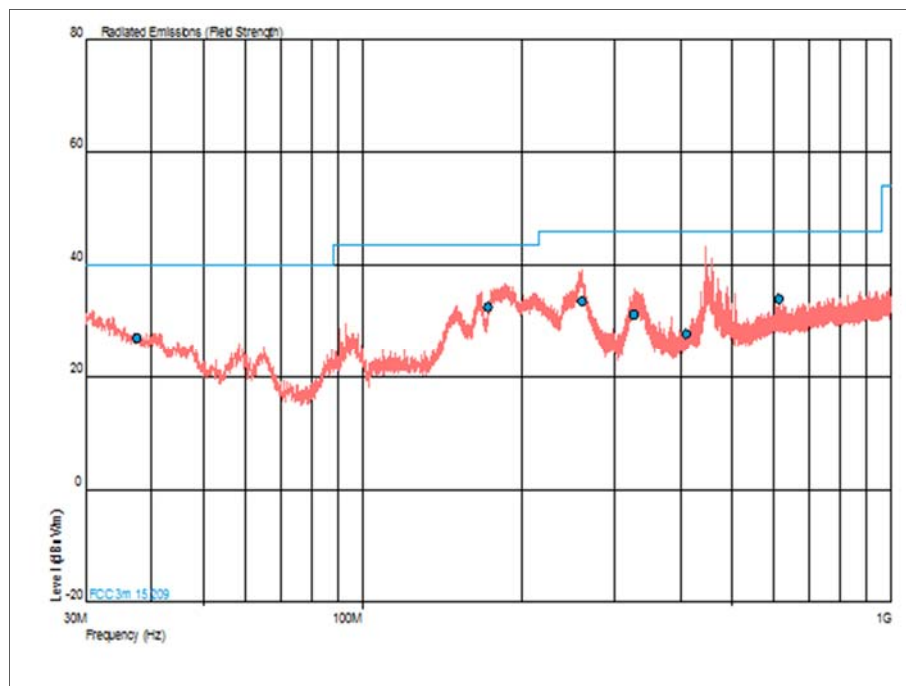


Figure 227 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 159 - U-NII 3 - 5745 MHz - 1 GHz to 40 GHz

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

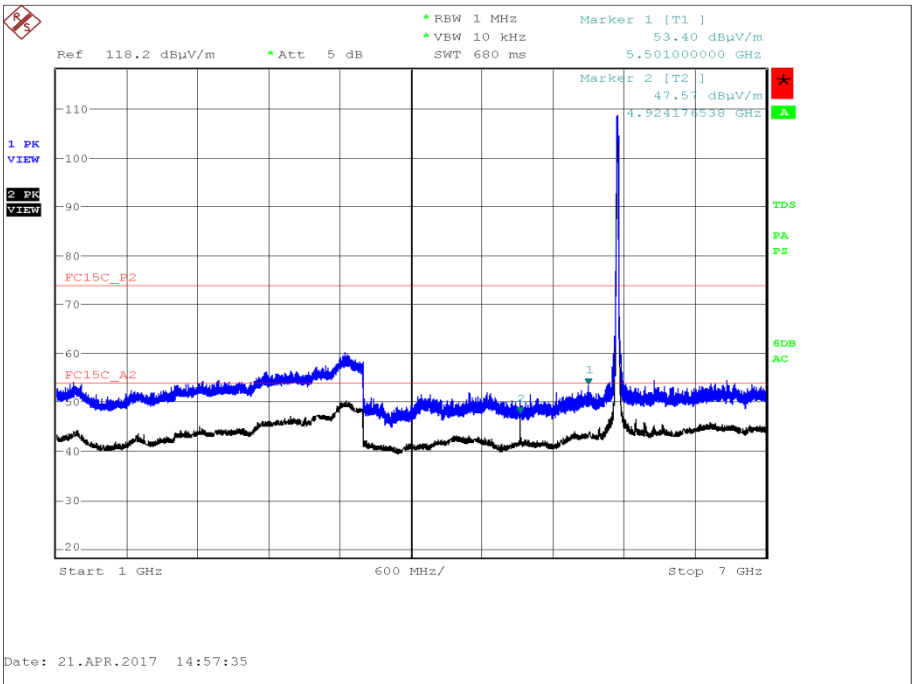


Figure 228 - U-NII 3 - 5745 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

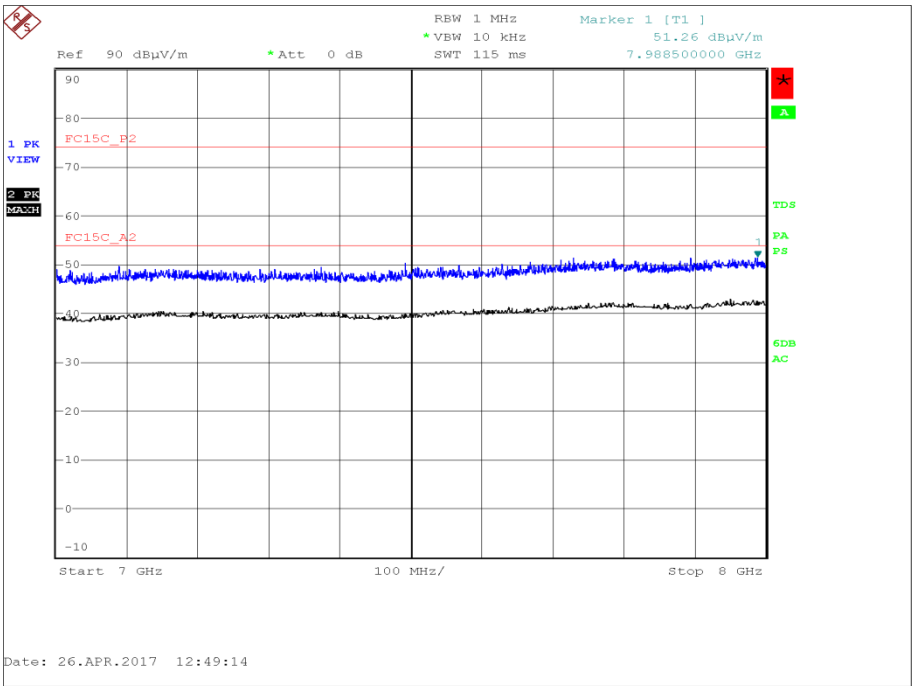


Figure 229 - U-NII 3 - 5745 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

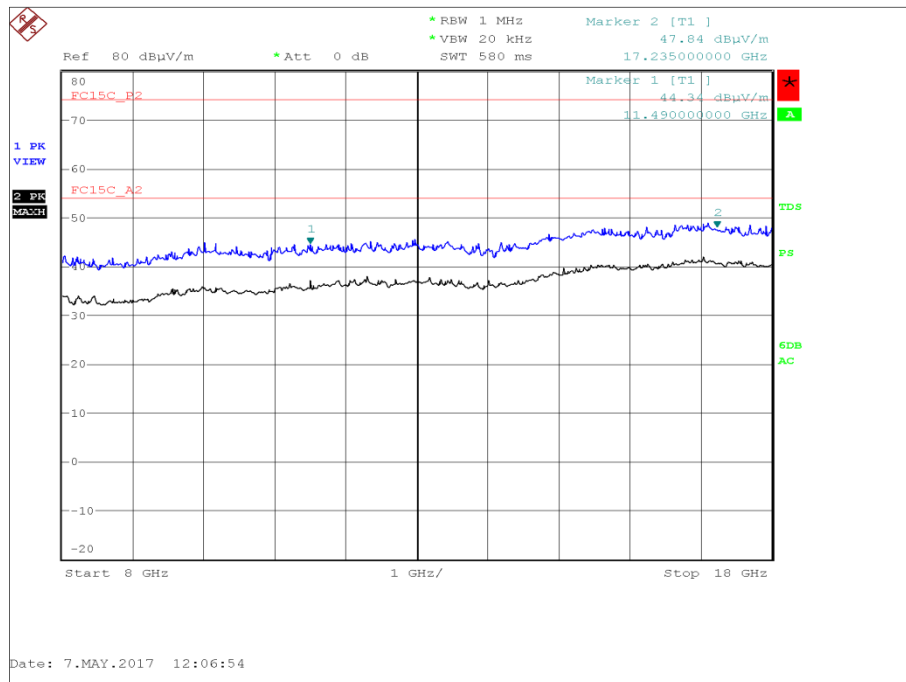


Figure 230 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

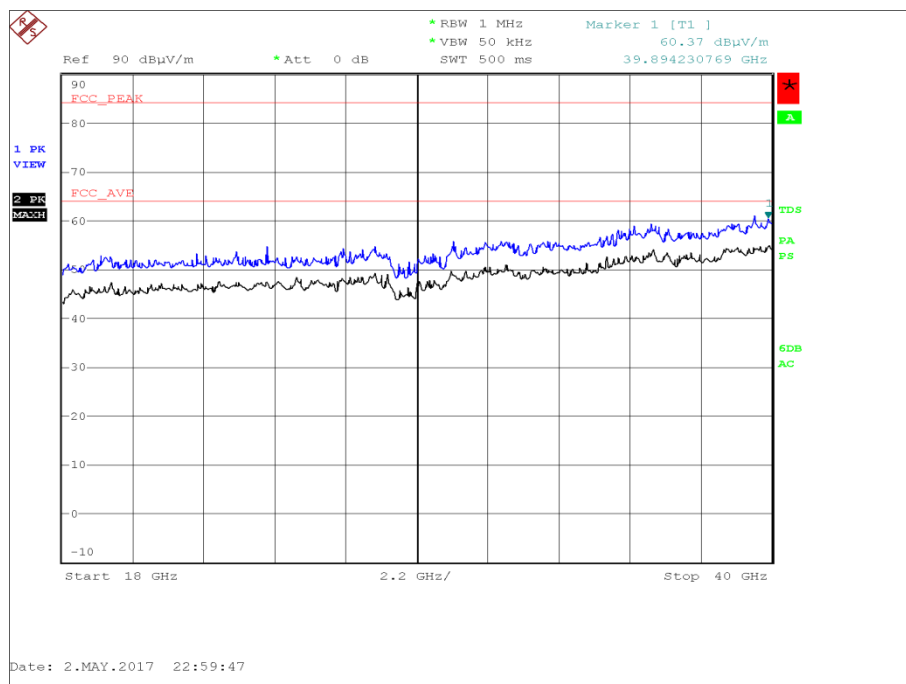


Figure 231 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	360	1.00	Vertical
171.048	26.5	43.5	-17.0	0	1.00	Vertical
229.436	27.2	46.0	-18.8	357	1.00	Horizontal
326.493	27.0	46.0	-19.0	300	1.00	Horizontal
410.000	27.3	46.0	-18.7	353	1.00	Horizontal
614.000	30.5	46.0	-15.5	240	1.00	Horizontal

Table 160 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz

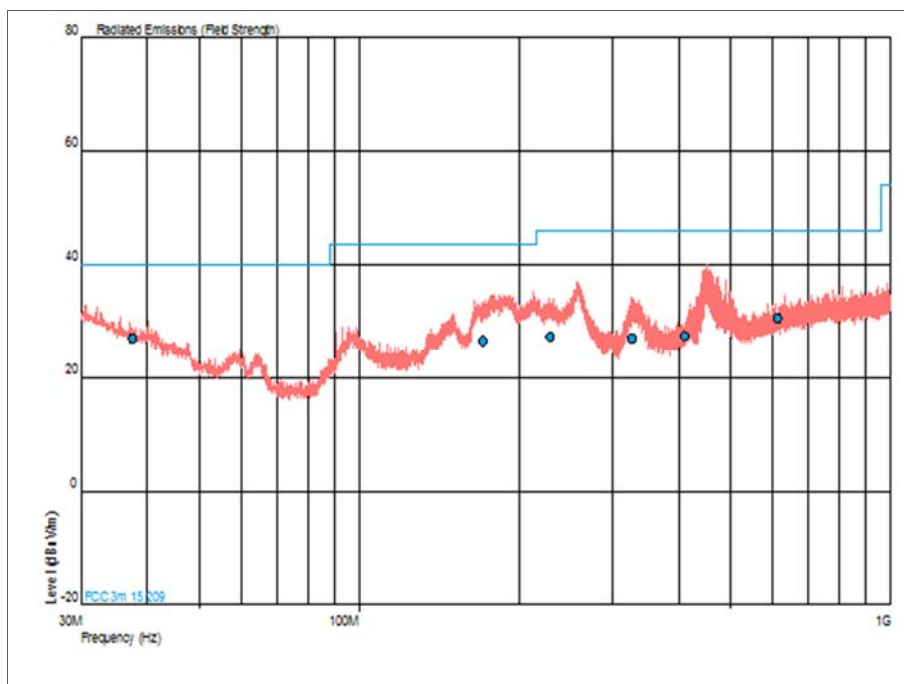


Figure 232 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.958	56.27	50.73	74.00	54.00	17.73	3.27

Table 161 - U-NII 3 - 5785 MHz - 1 GHz to 40 GHz

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



Product Service

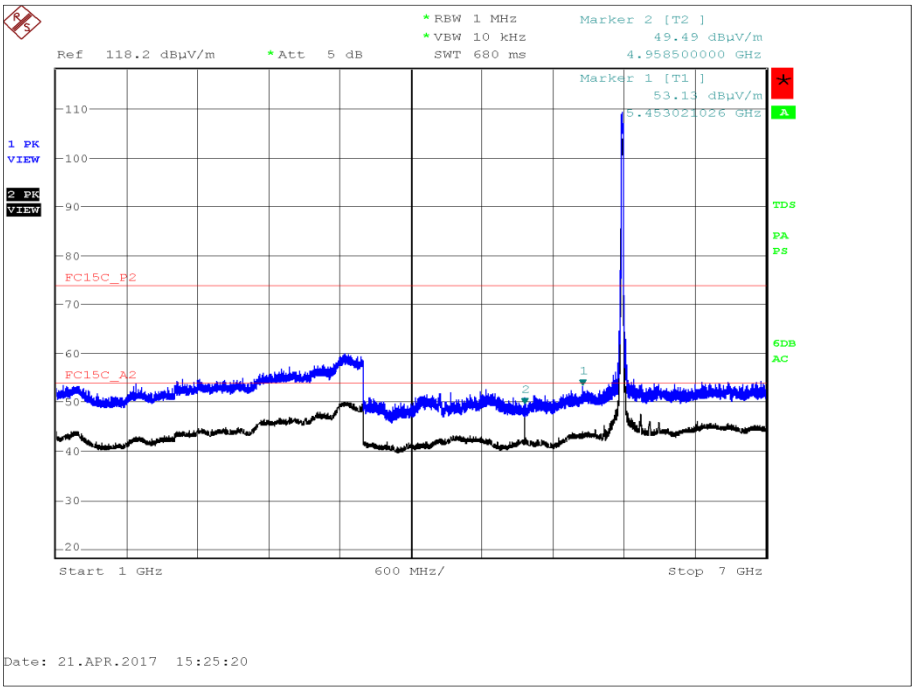


Figure 233 - U-NII 3 - 5785 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

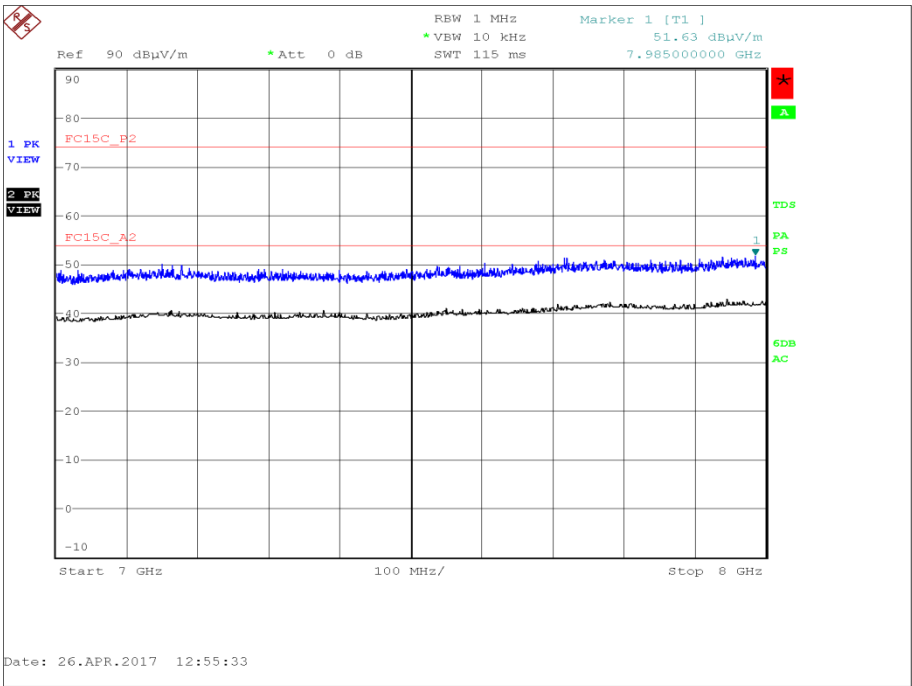


Figure 234 - U-NII 3 - 5785 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

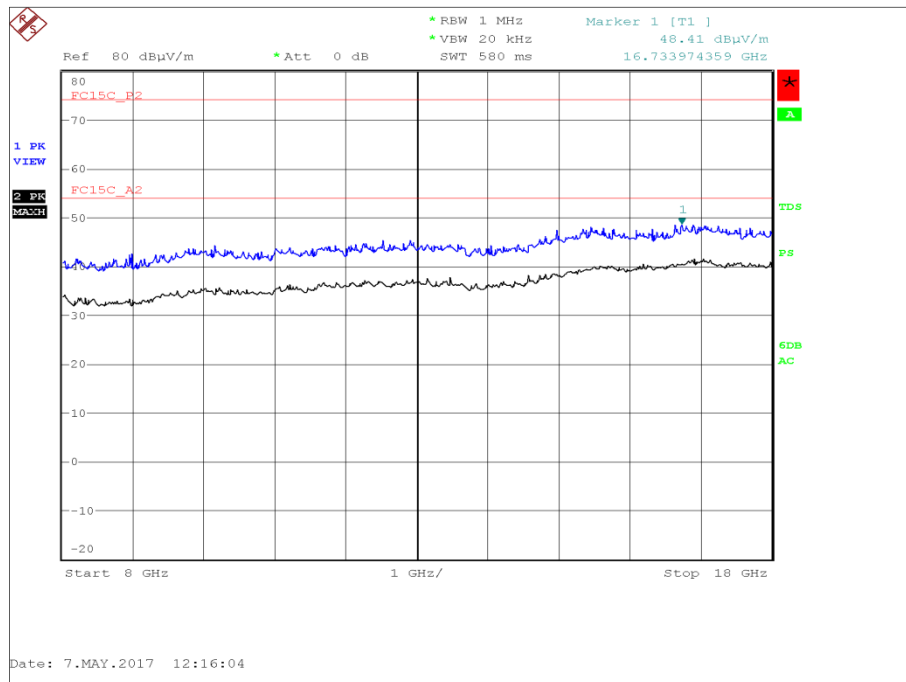


Figure 235 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

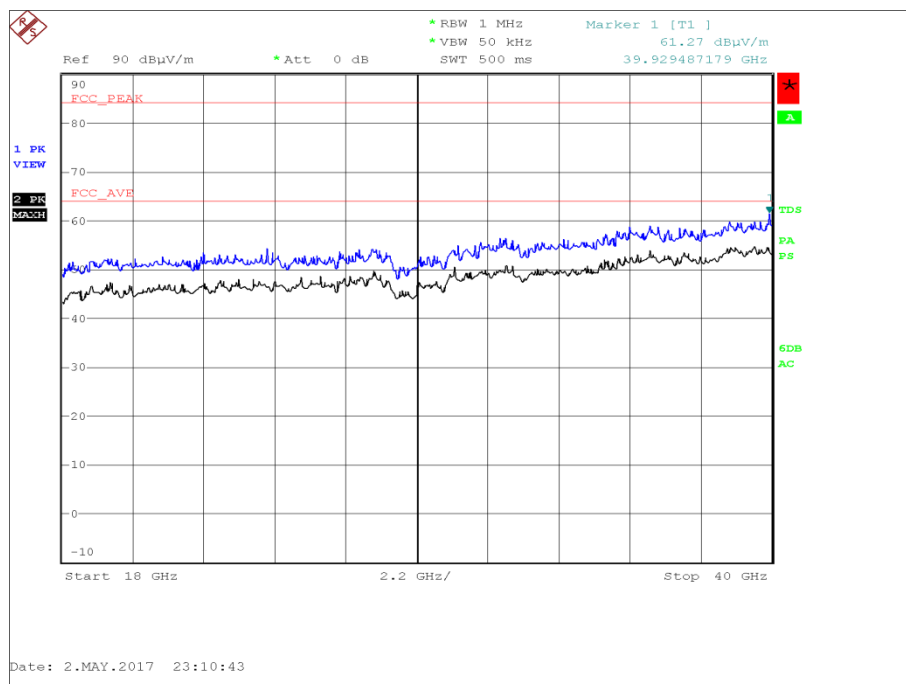


Figure 236 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.1	40.0	-12.9	253	1.00	Vertical
170.788	32.3	43.5	-11.2	29	1.00	Vertical
261.693	32.6	46.0	-13.4	360	1.00	Horizontal
326.729	31.6	46.0	-14.4	323	1.00	Horizontal
410.000	28.0	46.0	-18.0	89	1.00	Horizontal
614.000	30.8	46.0	-15.2	354	1.00	Horizontal

Table 162 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

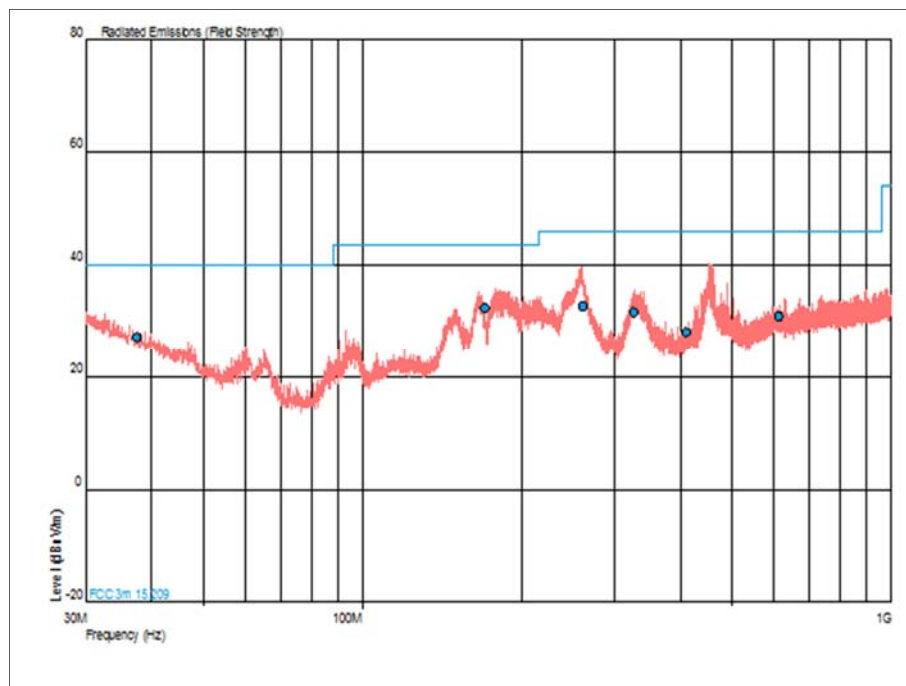


Figure 237 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.992	56.09	50.27	74.00	54.00	17.91	3.73

Table 163 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz

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



Product Service

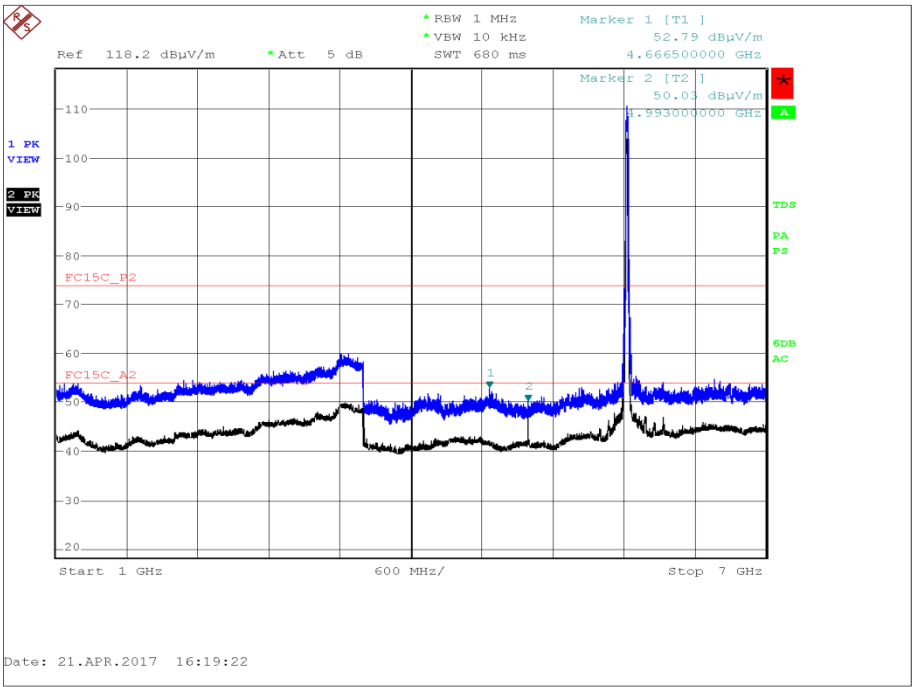


Figure 238 - U-NII 3 - 5825 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

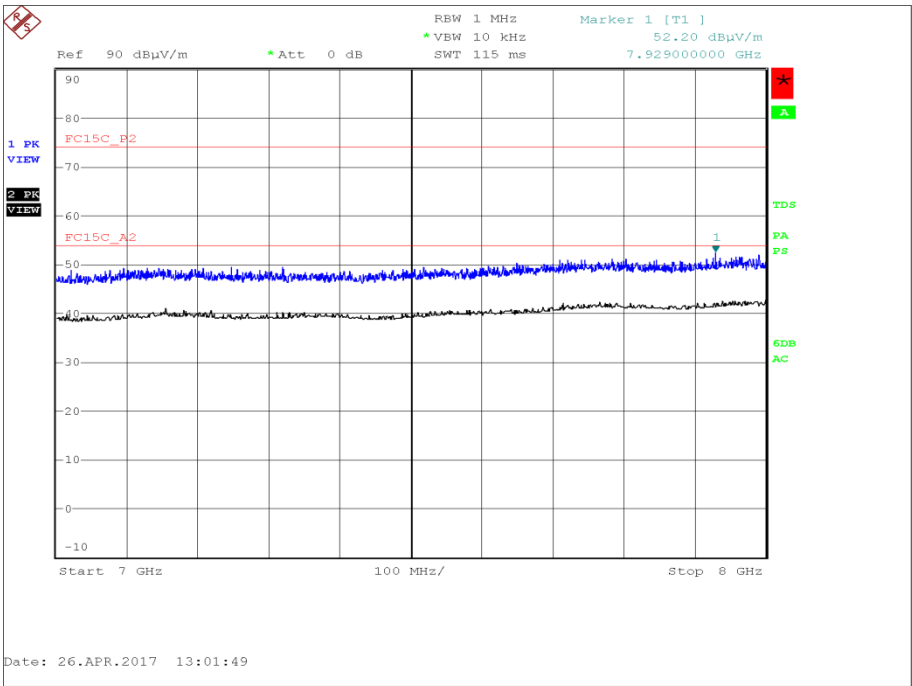


Figure 239 - U-NII 3 - 5825 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

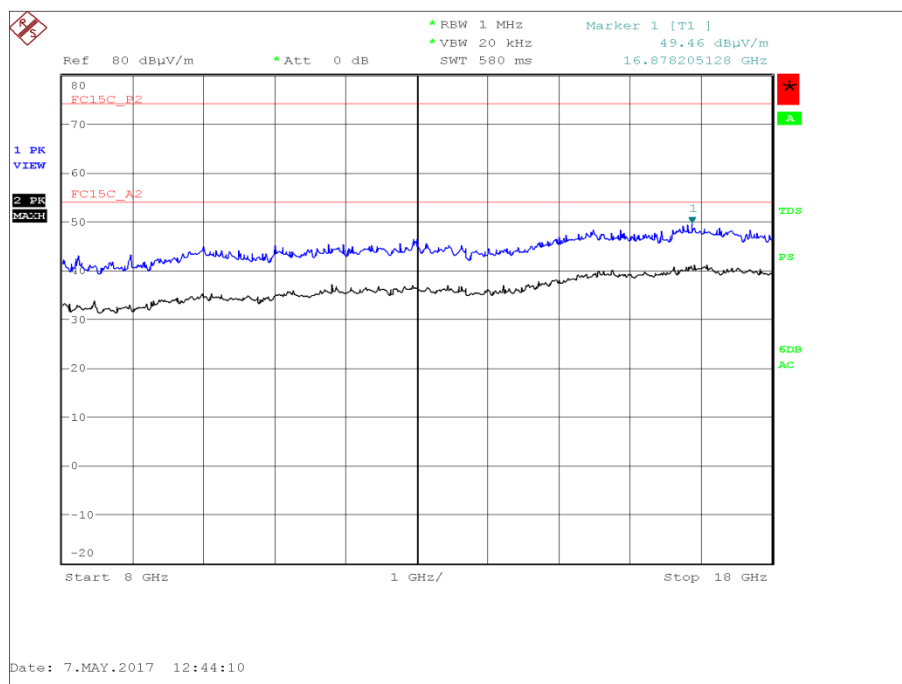


Figure 240 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

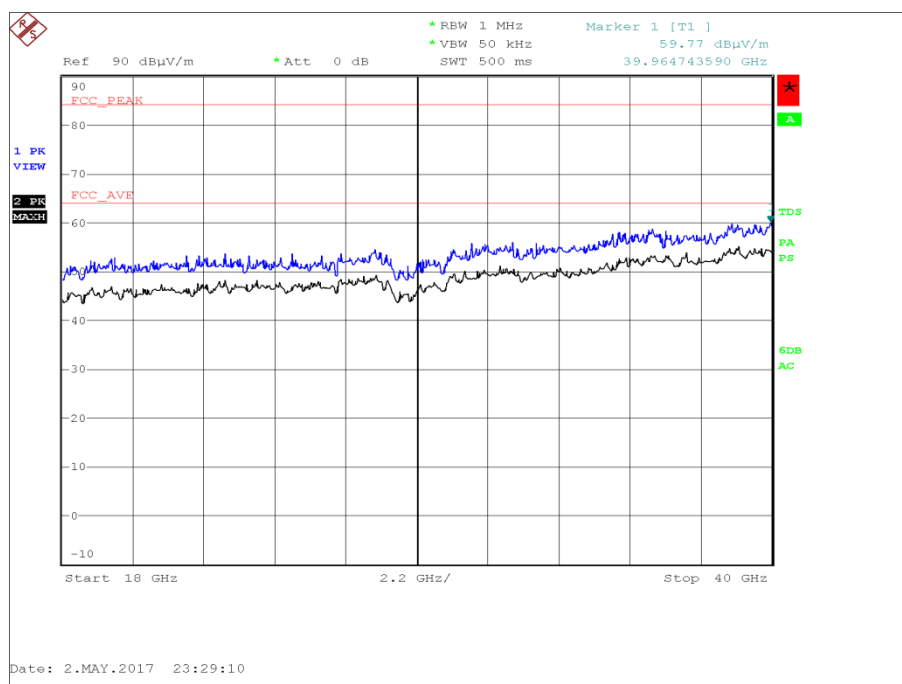


Figure 241 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

FCC 47 CFR Part 15E, Limit Clause 15.407(b)(1)(2)(3)(4)

Emissions not falling within the restricted bands listed in FCC 47 CFR Part 15E, Clause 15.209:

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.

Emissions within the restricted bands listed in FCC 47 CFR Part 15E, Clause 15.209:

Frequency (MHz)	Field Strength ($\mu\text{V/m}$)	Measurement Distance (m)
0.009 to 0.490	2400/F(kHz)	300
0.490 to 1.705	24000/F(kHz)	30
1.705 to 30	30	30
30 to 88	100	3
88 to 216	150	3
216 to 960	200	3
Above 960	500	3

Industry Canada RSS-247, Limit Clause 6.2.1.2, 6.2.2.2, 6.2.3.2 and 6.2.4.2 and
Industry Canada RSS-GEN, Limit Clause 8.9

Emissions not falling within the restricted bands listed in Industry Canada RSS-GEN, Clause 8.10:

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:

- 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;
- 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;
- 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
- 27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.



Emissions not falling within the restricted bands listed in Industry Canada RSS-GEN, Clause 8.10:

Frequency (MHz)	Field Strength (µV/m)
0.009 to 0.490	2400/F(kHz)
0.490 to 1.705	24000/F(kHz)
1.705 to 30	30
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

802.11n (20 MHz Bandwidth)

Testing was performed on the Modulation Coding Scheme which resulted in the highest conducted output power. The Modulation Coding Scheme used during testing was MCS7.

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	136	1.00	Horizontal
170.163	29.8	43.5	-13.7	56	1.00	Vertical
259.760	29.2	46.0	-16.8	182	1.00	Horizontal
326.063	26.1	46.0	-19.9	63	1.00	Horizontal
410.000	27.4	46.0	-18.6	360	1.00	Horizontal
614.000	30.4	46.0	-15.6	209	1.00	Vertical

Table 164 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz

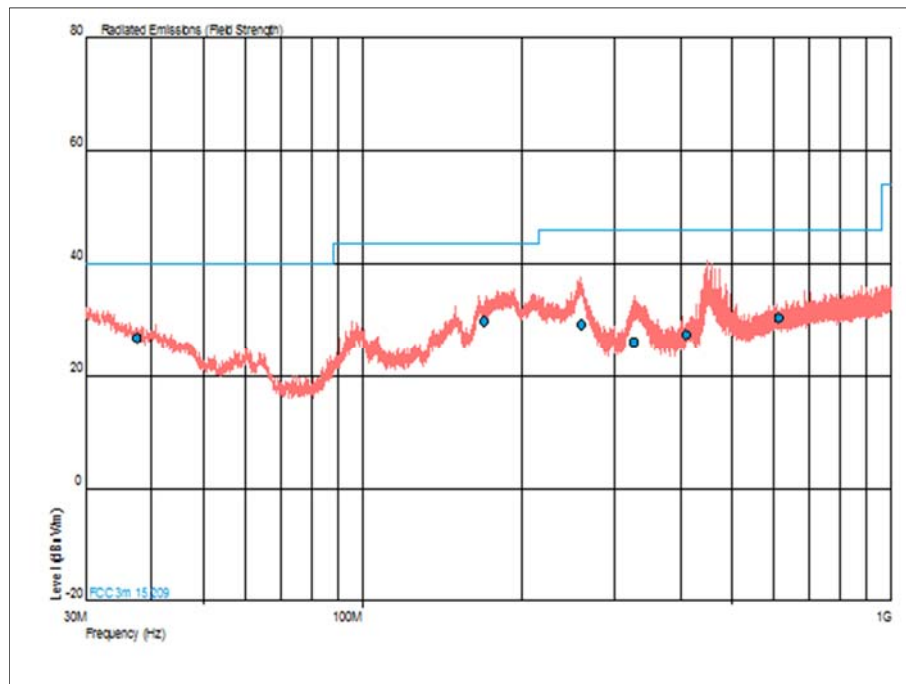


Figure 242 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 165 - U-NII 1 - 5180 MHz - 1 GHz to 40 GHz

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

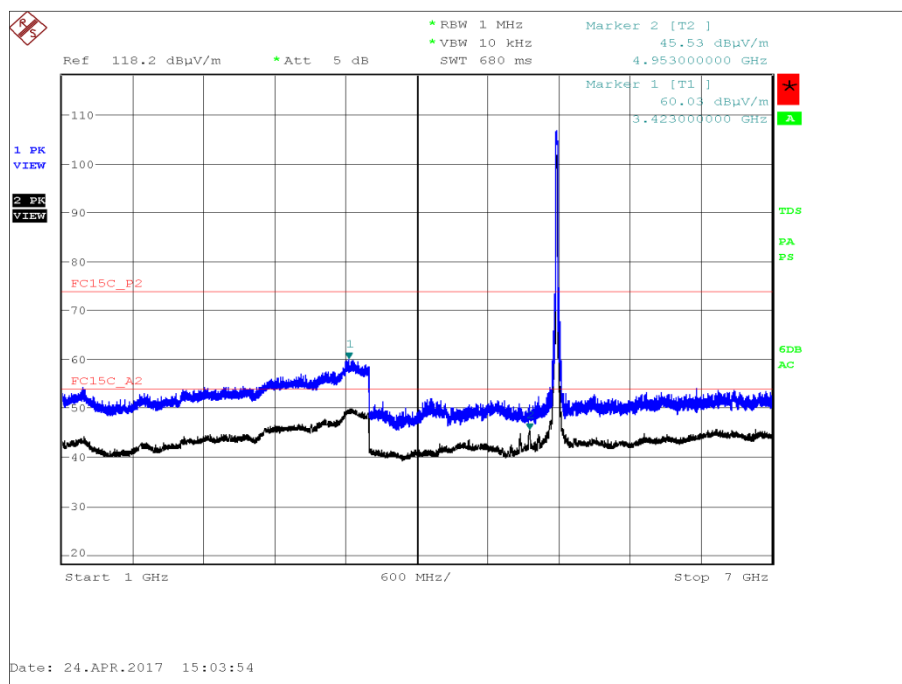


Figure 243 - U-NII 1 - 5180 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

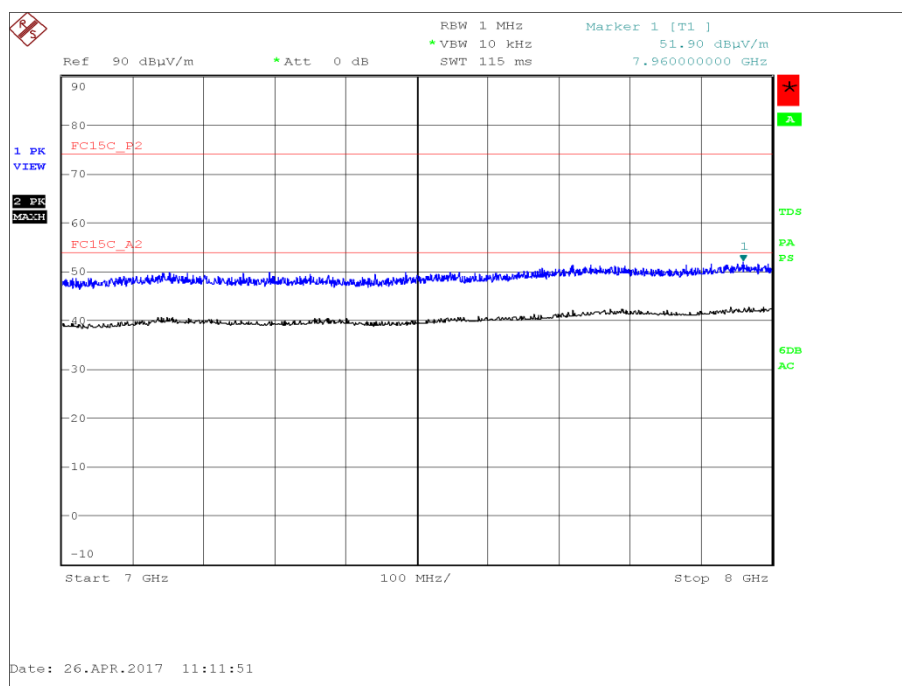


Figure 244 - U-NII 1 - 5180 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

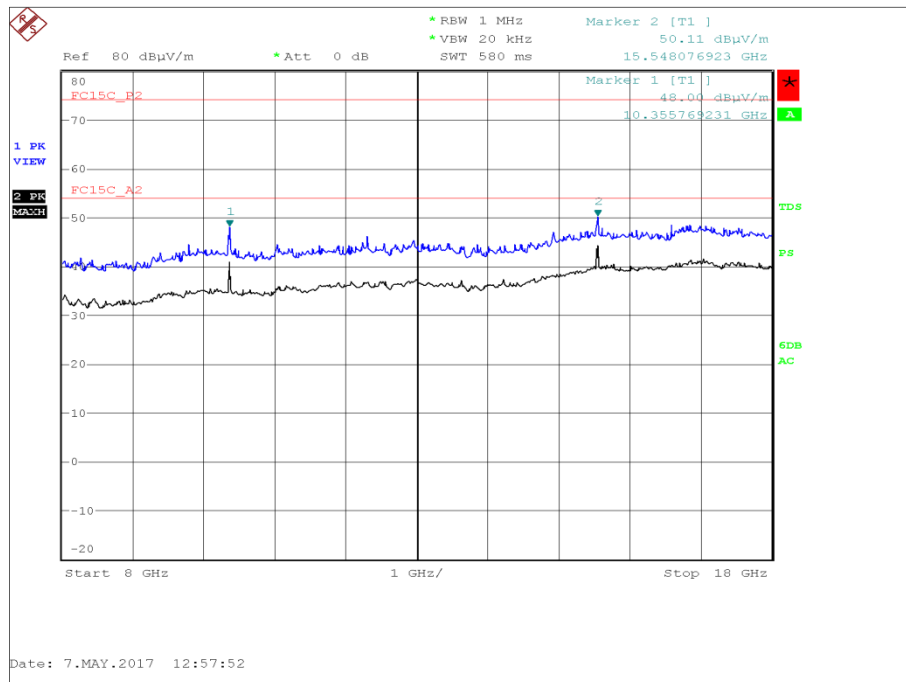


Figure 245 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

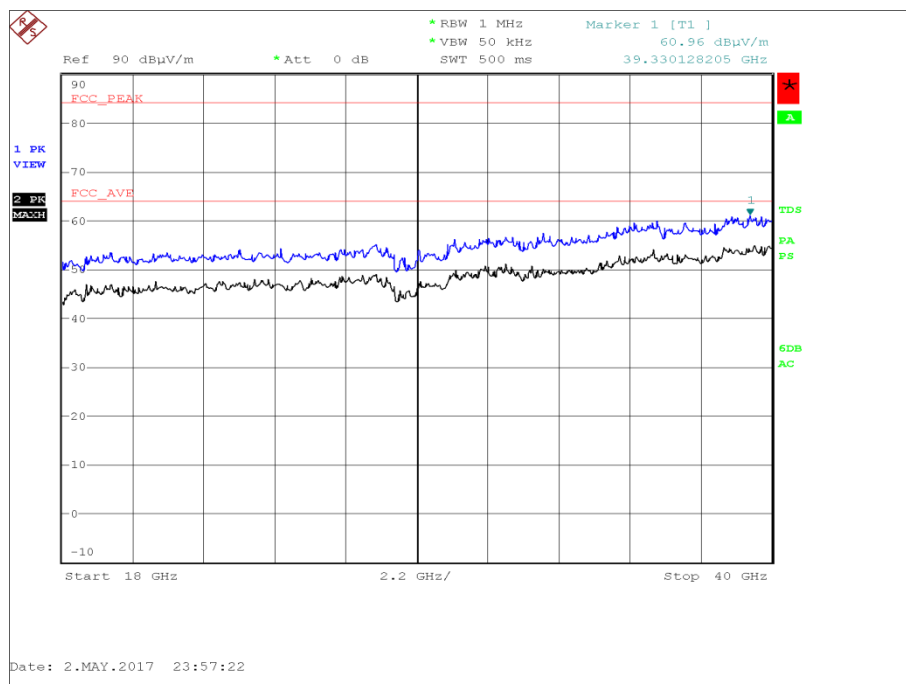


Figure 246 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.1	40.0	-12.9	12	1.00	Vertical
170.582	30.9	43.5	-12.6	360	1.00	Vertical
259.760	34.2	46.0	-11.8	153	1.00	Horizontal
326.125	31.7	46.0	-14.3	322	1.00	Horizontal
410.000	27.2	46.0	-18.8	76	1.00	Horizontal
614.000	30.5	46.0	-15.5	360	1.00	Horizontal

Table 166 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

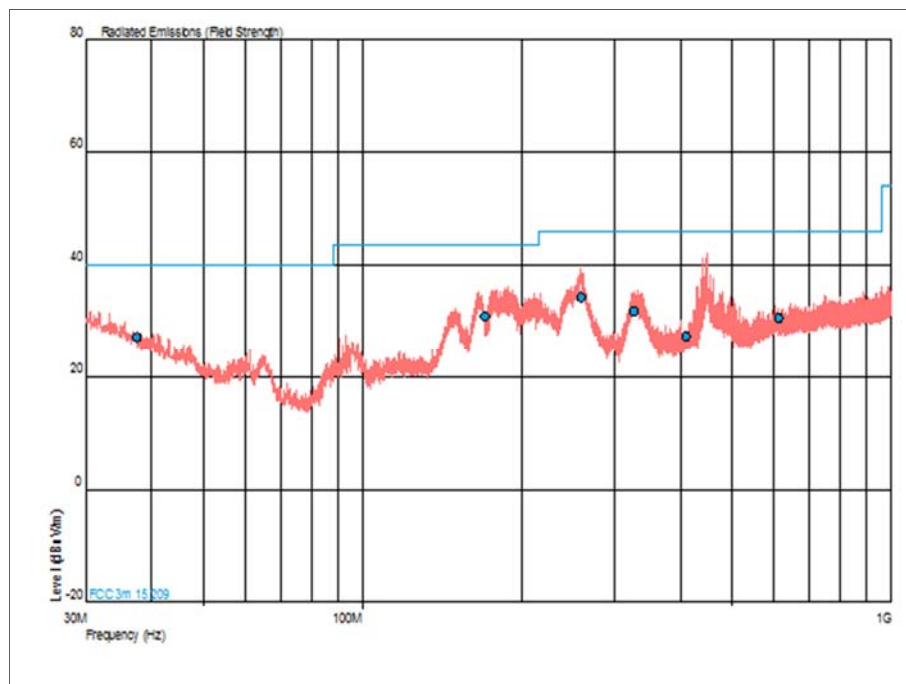


Figure 247 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 167 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz

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



Product Service

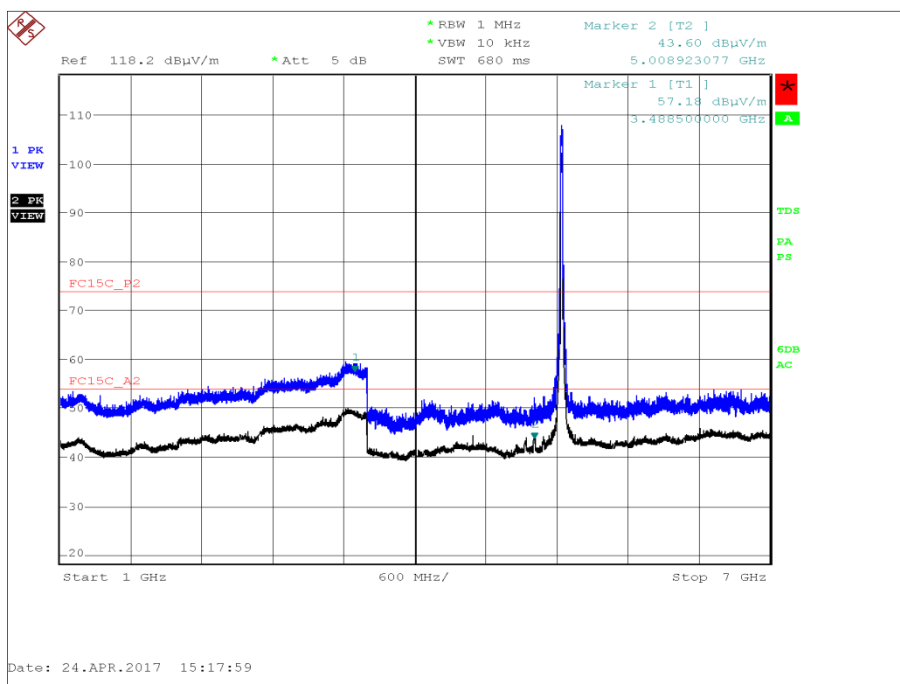


Figure 248 - U-NII 1 - 5200 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

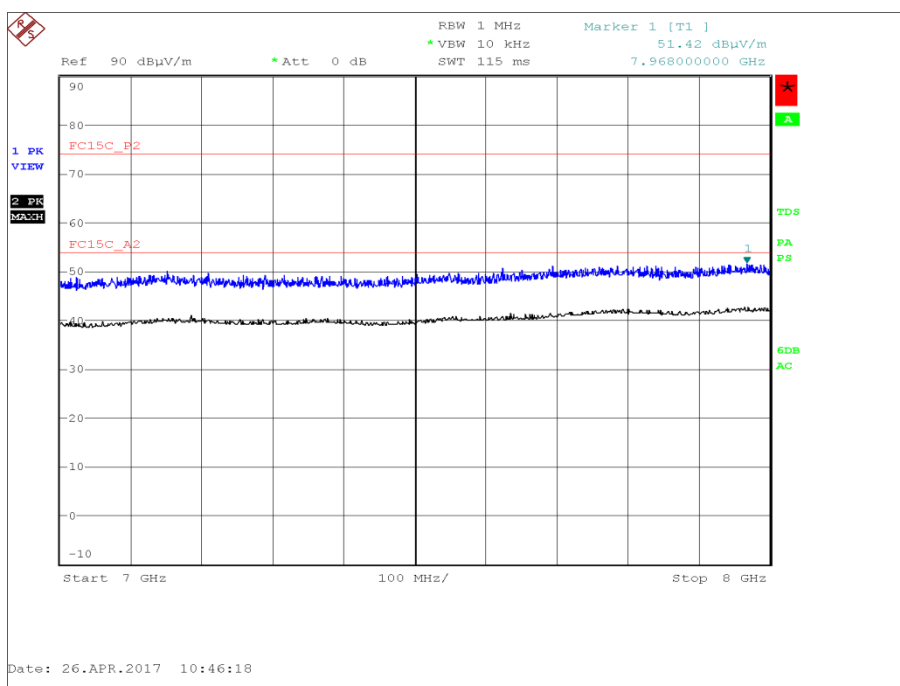


Figure 249 - U-NII 1 - 5200 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

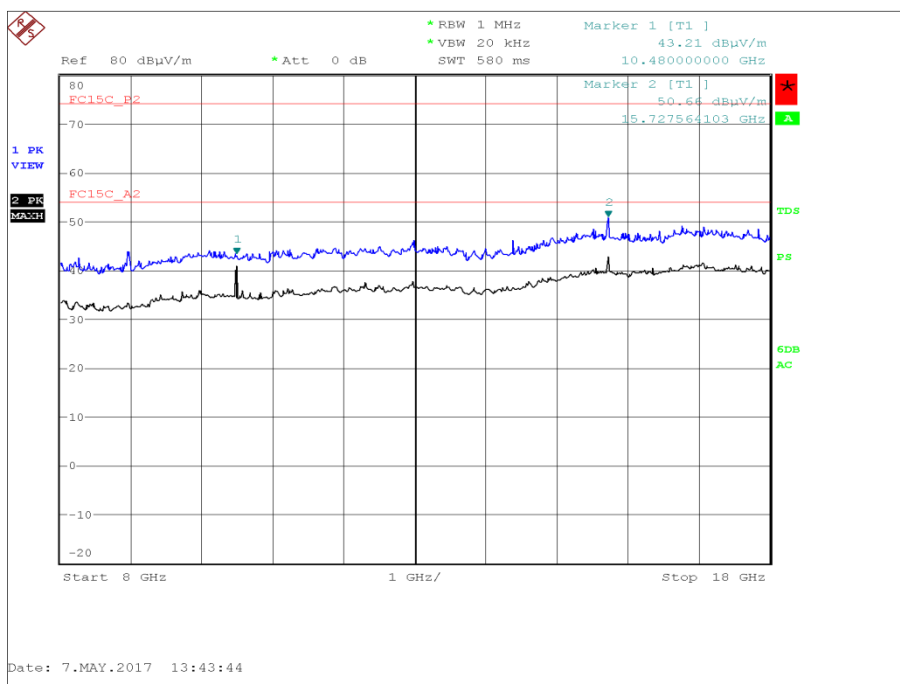


Figure 250 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

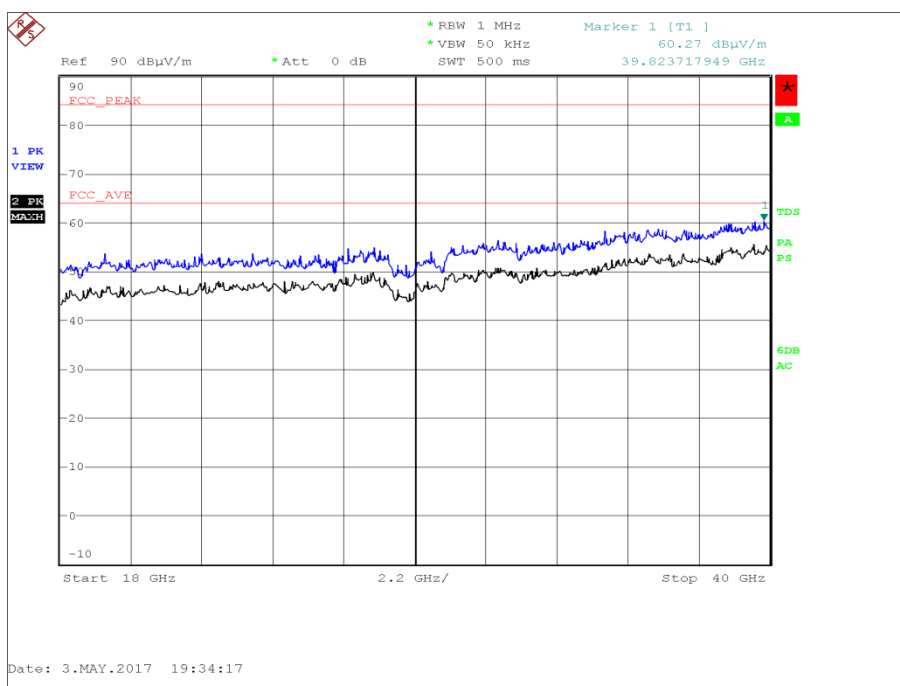


Figure 251 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	291	1.00	Horizontal
173.200	30.9	43.5	-12.6	46	1.00	Vertical
260.727	32.1	46.0	-13.9	360	1.00	Horizontal
324.115	27.9	46.0	-18.1	0	1.00	Horizontal
410.000	27.3	46.0	-18.7	60	1.00	Horizontal
614.000	30.5	46.0	-15.5	360	1.00	Vertical

Table 168 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz

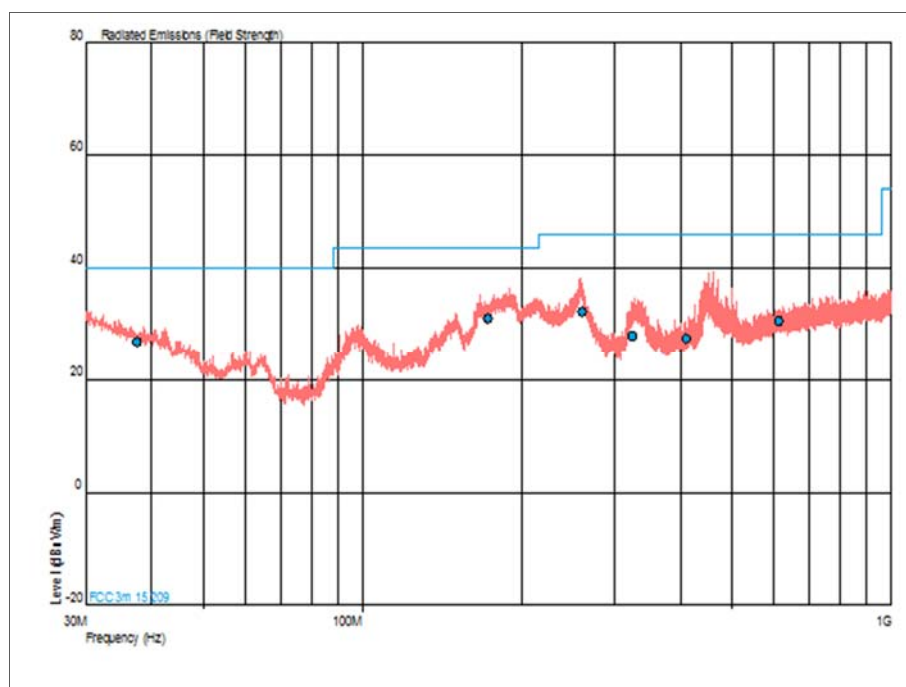


Figure 252 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 169 - U-NII 1 - 5240 MHz - 1 GHz to 40 GHz

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



Product Service

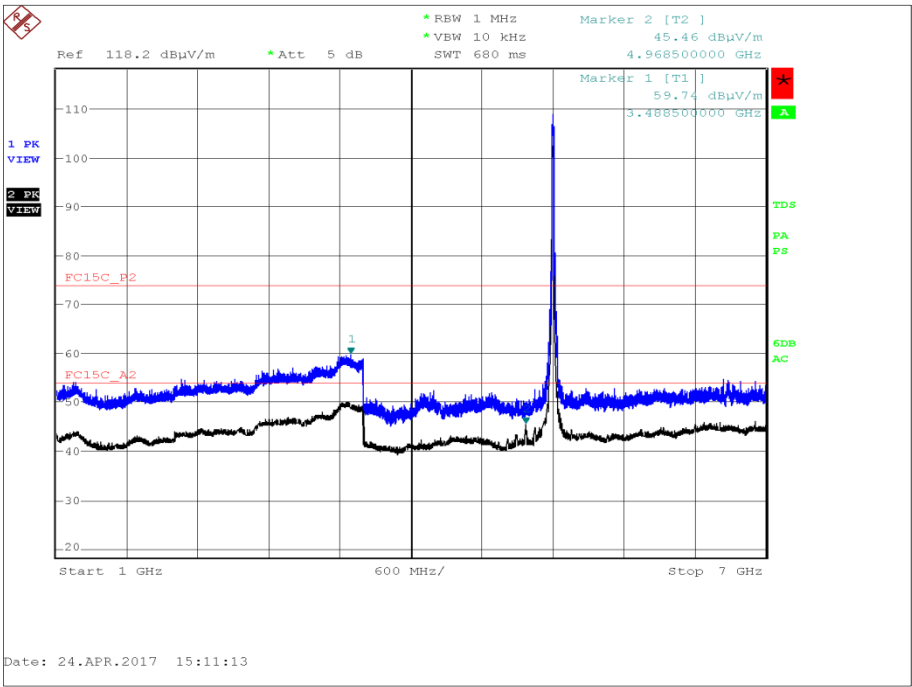


Figure 253 - U-NII 1 - 5240 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

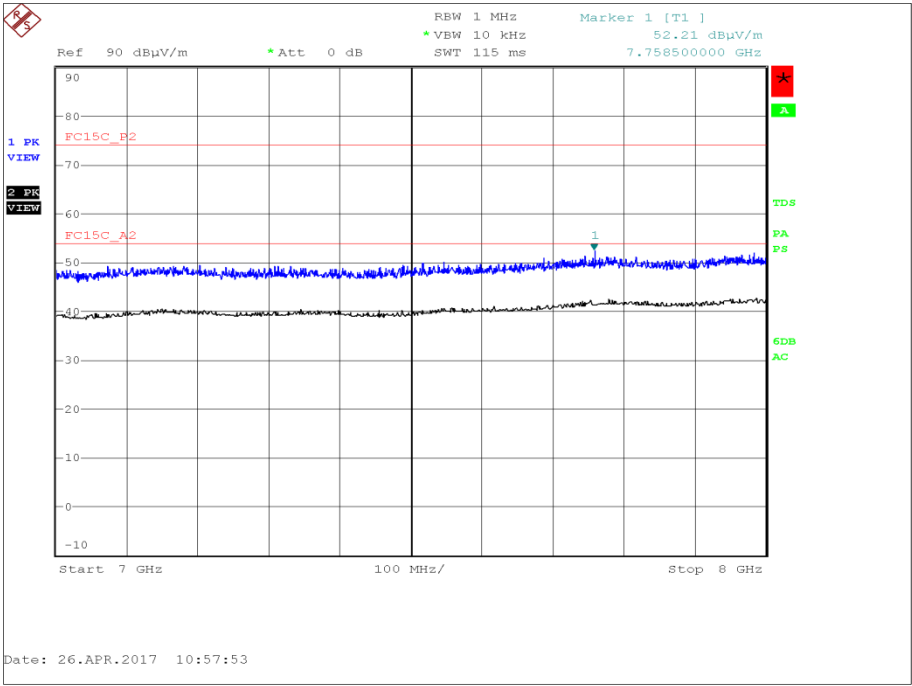


Figure 254 - U-NII 1 - 5240 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

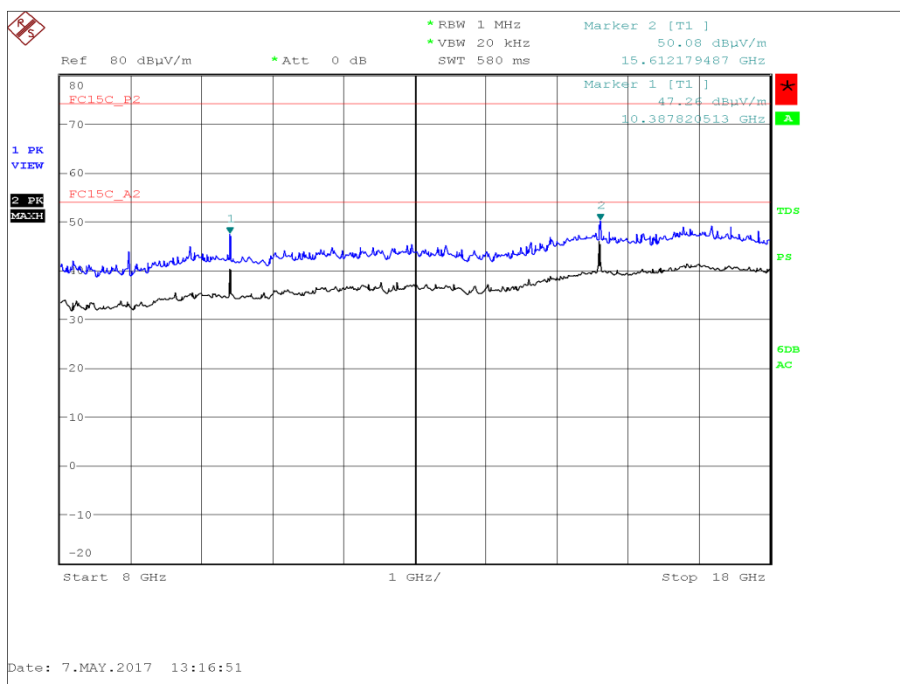


Figure 255 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

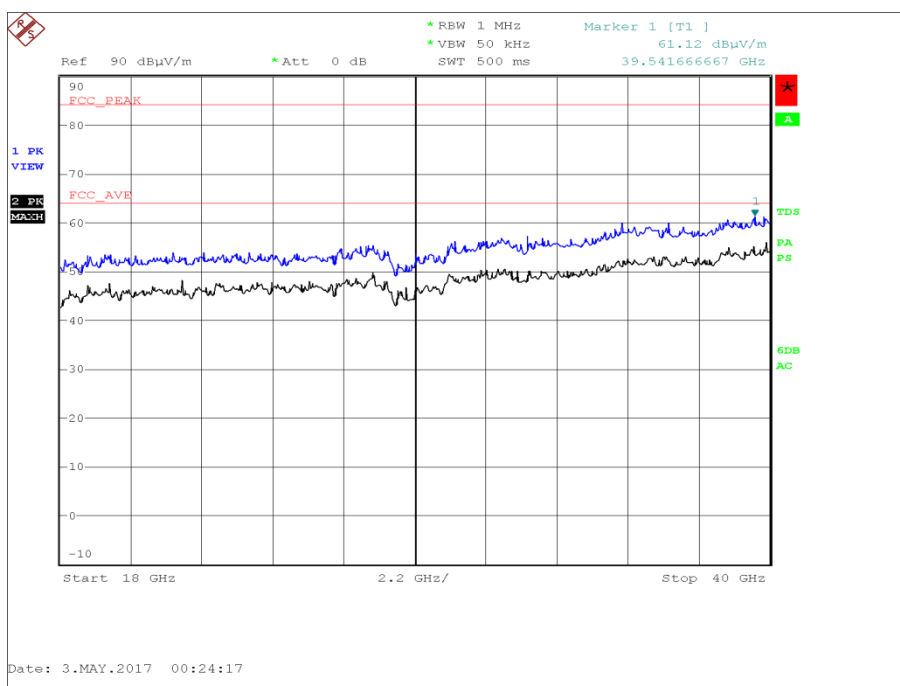


Figure 256 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz - Horizontal and Vertical



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.7	40.0	-13.3	67	1.00	Horizontal
172.743	29.7	43.5	-13.8	32	1.00	Vertical
260.722	29.4	46.0	-16.6	350	1.00	Horizontal
326.125	27.3	46.0	-18.7	298	1.00	Horizontal
410.000	27.0	46.0	-19.0	103	1.00	Horizontal
614.000	30.6	46.0	-15.4	152	1.00	Horizontal

Table 170 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz

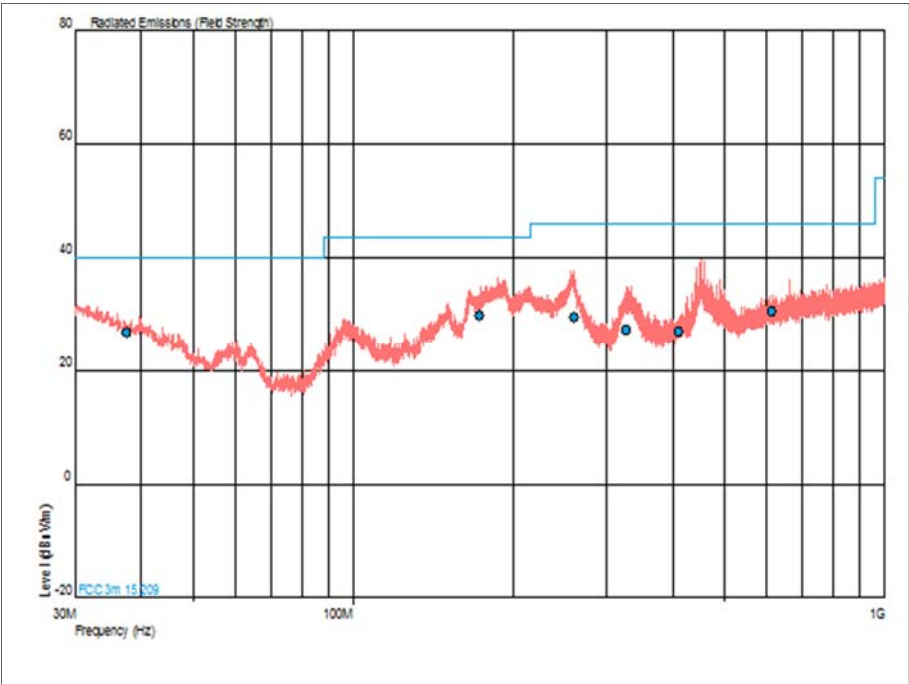


Figure 257 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 171 - U-NII 2a - 5260 - 1 GHz to 40 GHz MHz - Emissions Results

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

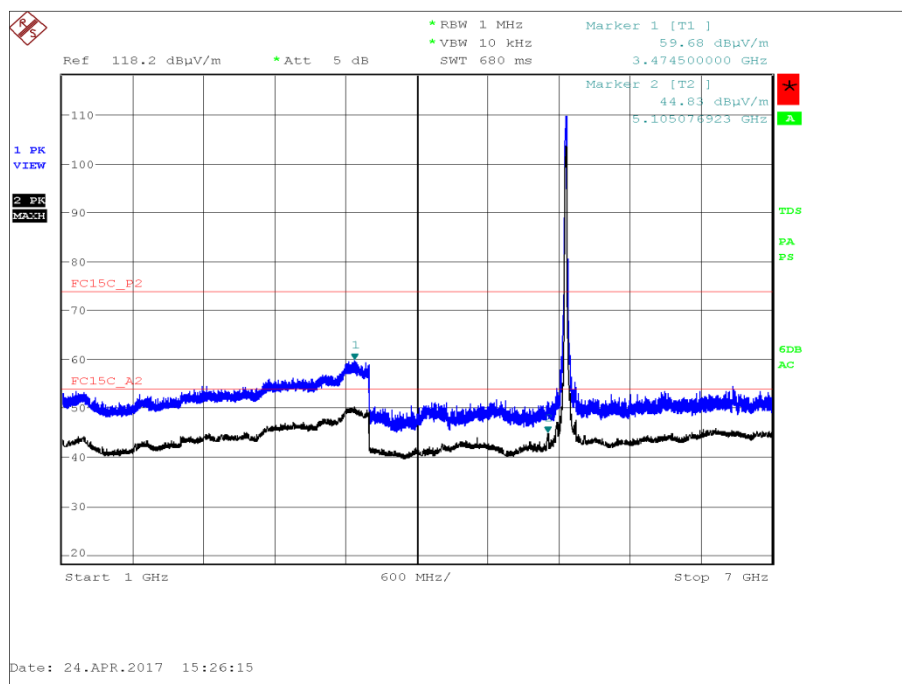


Figure 258 - U-NII 2a - 5260 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

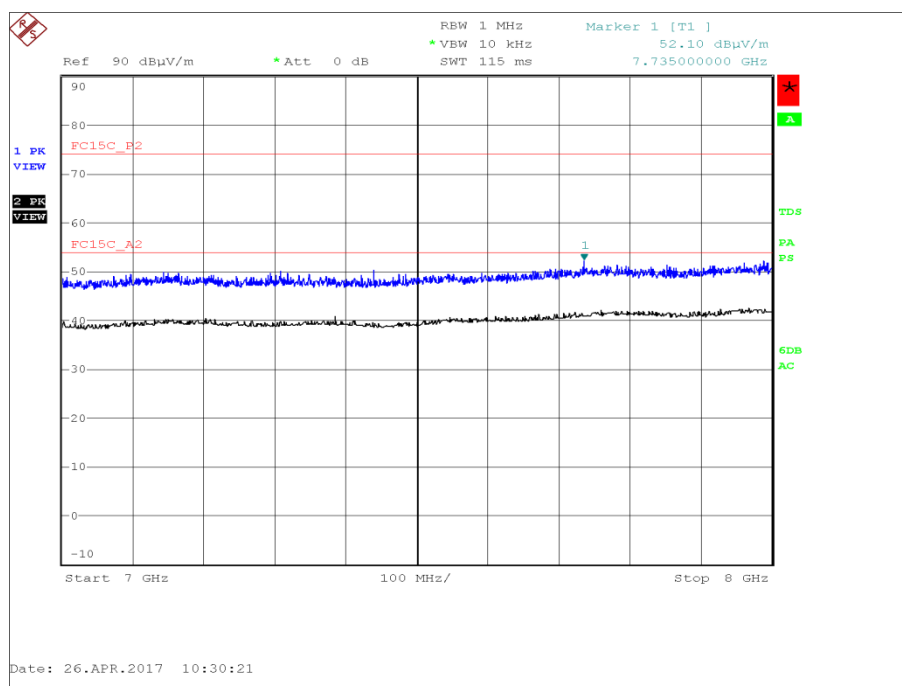


Figure 259 - U-NII 2a - 5260 MHz - 7 GHz to 8 GHz - Horizontal and Vertical

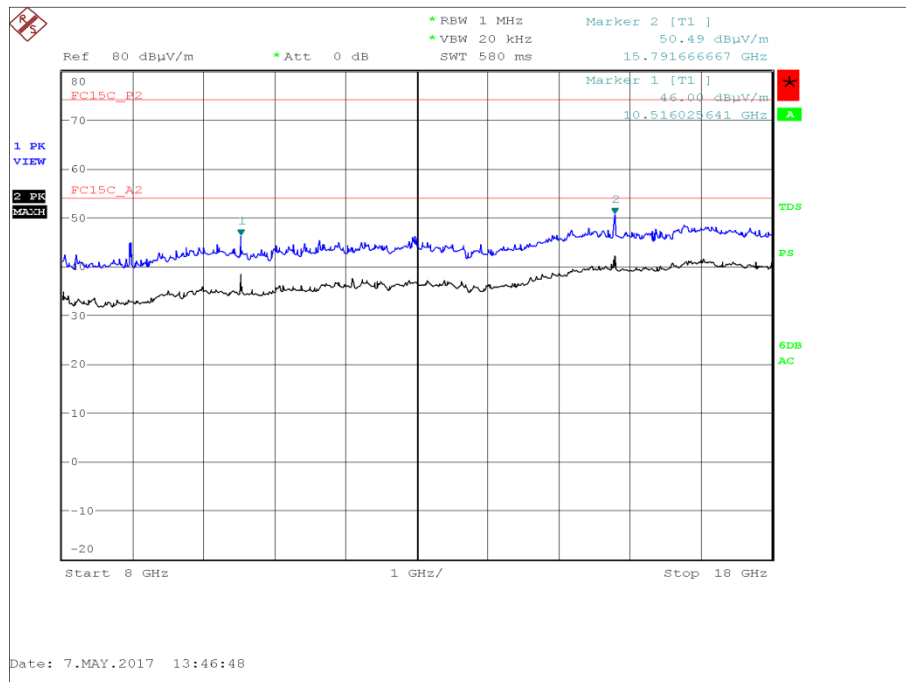


Figure 260 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

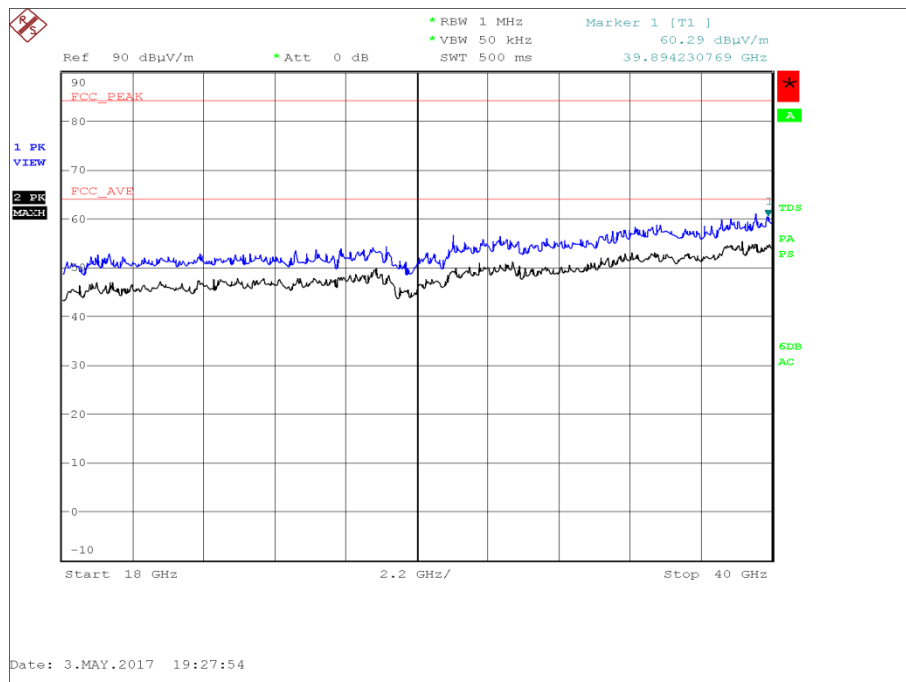


Figure 261 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz - Horizontal and Vertical



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.0	40.0	-13.0	226	1.00	Vertical
168.753	31.5	43.5	-12.0	59	1.00	Vertical
246.490	27.3	46.0	-18.7	359	1.00	Vertical
325.375	30.4	46.0	-15.6	50	1.00	Horizontal
410.000	27.5	46.0	-18.5	25	1.00	Horizontal
614.000	30.5	46.0	-15.5	360	1.00	Horizontal

Table 172 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz

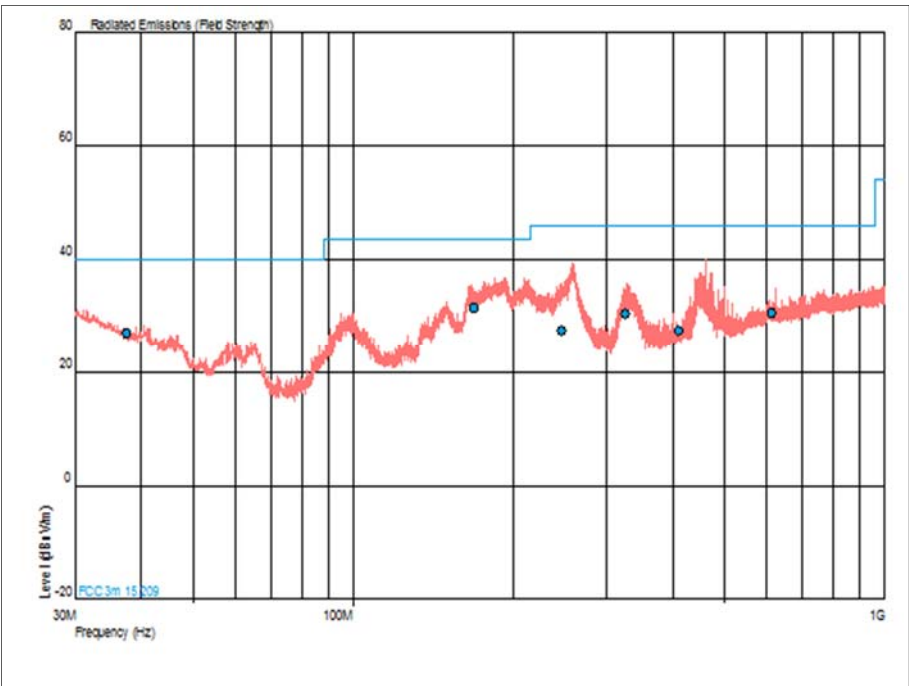


Figure 262 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 173 - U-NII 2a - 5300 MHz - 1 GHz to 40 GHz

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

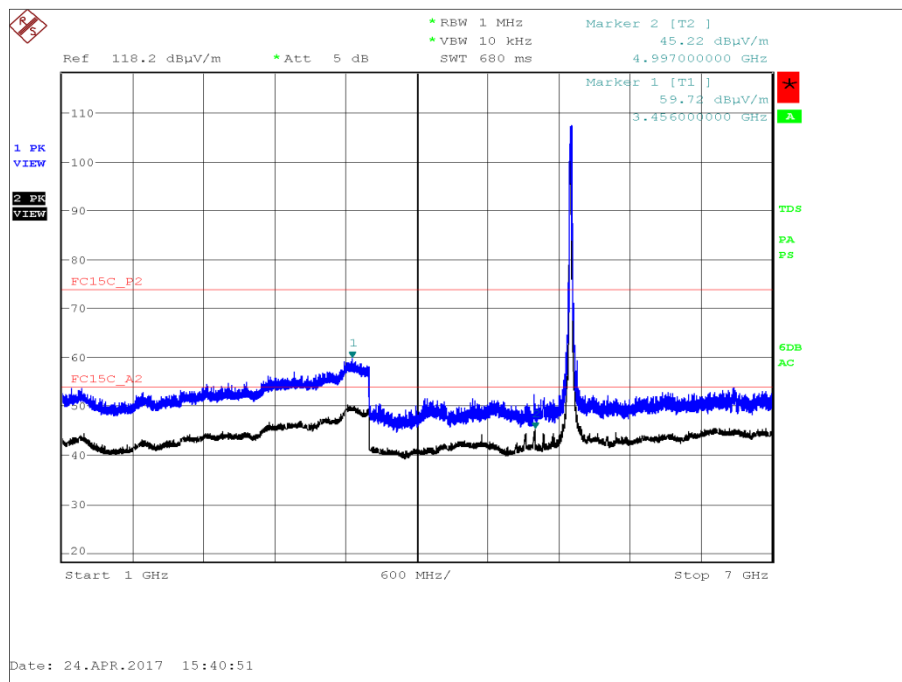


Figure 263 - U-NII 2a - 5300 MHz - 1 GHz to 7 GHz - Horizontal and Vertical

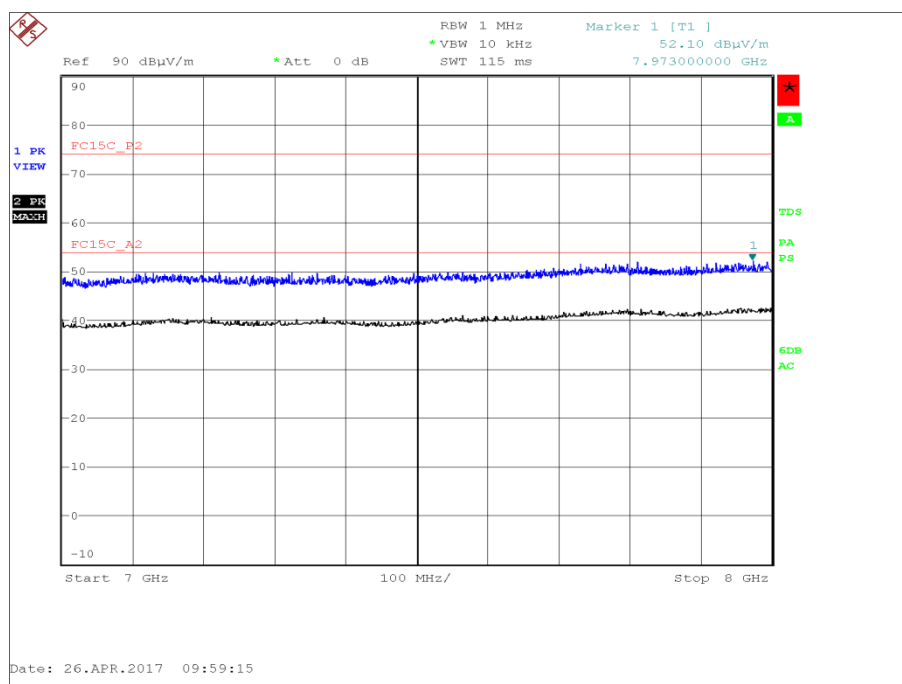


Figure 264 - U-NII 2a - 5300 MHz - 7 GHz to 8 GHz - Horizontal and Vertical



Product Service

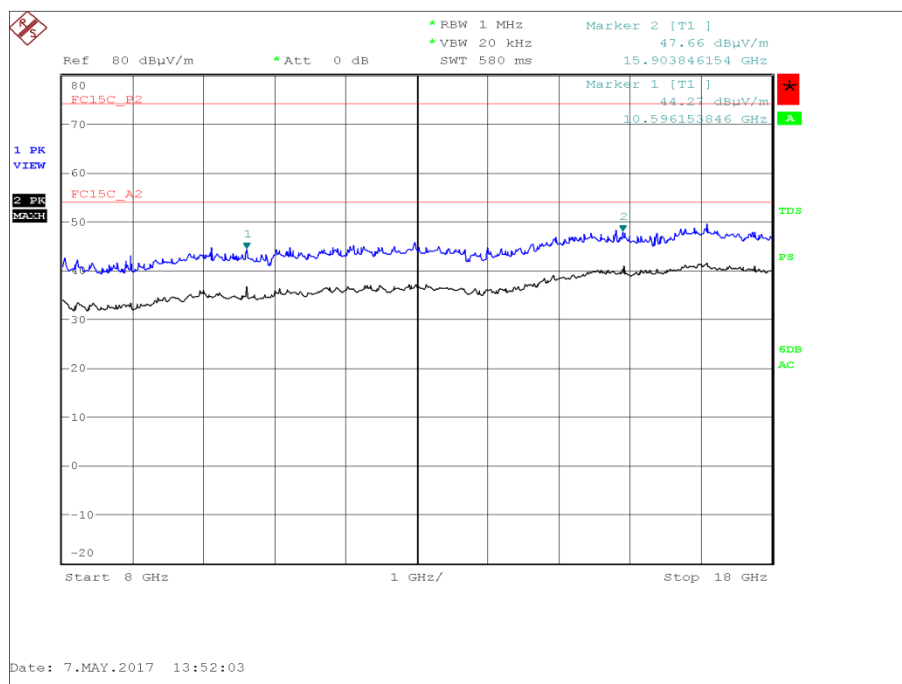


Figure 265 - U-NII 2a - 5300 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

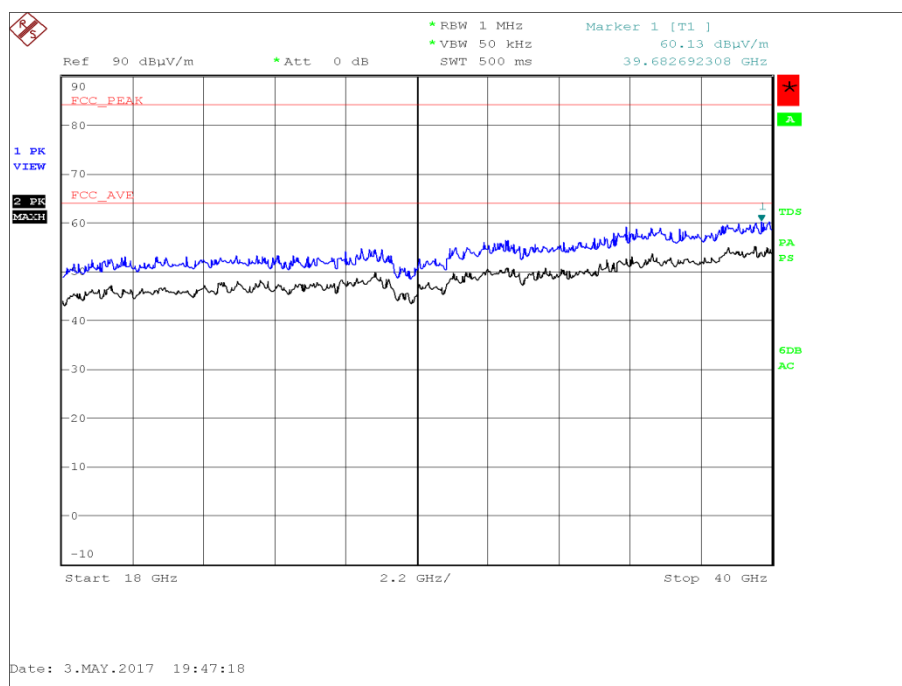


Figure 266 - U-NII 2a - 5300 MHz - 18 GHZ to 40 GHZ - Horizontal and Vertical



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
35.000	27.8	40.0	-12.2	330	1.00	Vertical
171.589	29.9	43.5	-13.6	16	1.00	Vertical
260.990	31.3	46.0	-14.7	360	1.00	Horizontal
325.730	29.9	46.0	-16.1	199	1.00	Horizontal
410.000	27.4	46.0	-18.6	23	1.00	Horizontal
614.000	30.5	46.0	-15.5	360	1.00	Horizontal

Table 174 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz

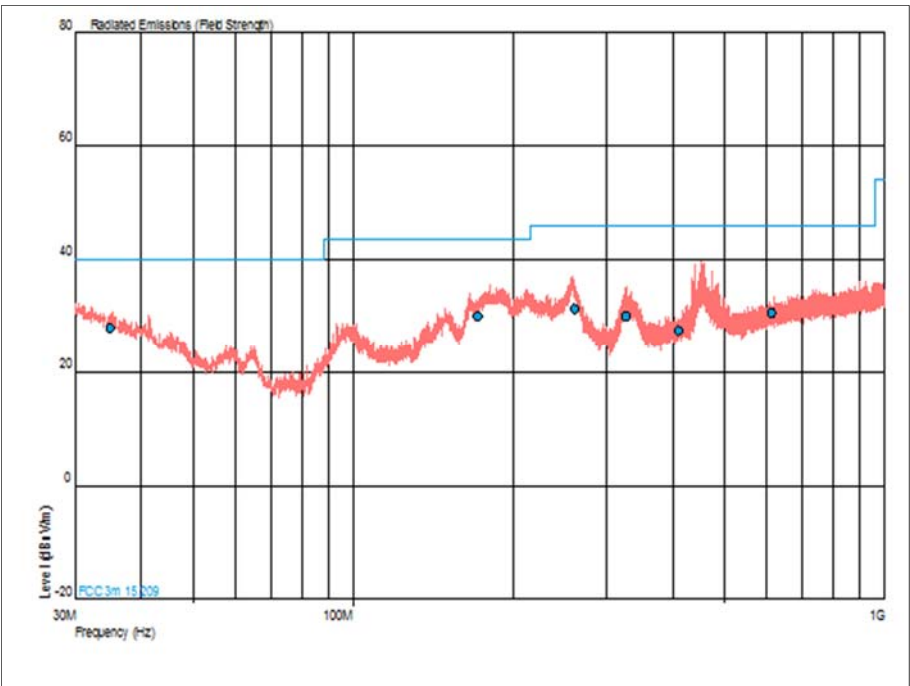


Figure 267 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 175 - U-NII 2a - 5320 MHz - 1 GHz to 40 GHz

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