Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
30.578	30.9	40.0	-9.1	283	1.00	Vertical
47.802	34.3	40.0	-5.7	0	1.00	Vertical
142.759	29.1	43.5	-14.4	262	1.00	Vertical
582.876	38.7	46.0	-7.3	79	1.00	Vertical
618.914	40.9	46.0	-5.1	74	1.00	Vertical
674.996	39.1	46.0	-6.9	360	1.00	Vertical

Table 295 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz

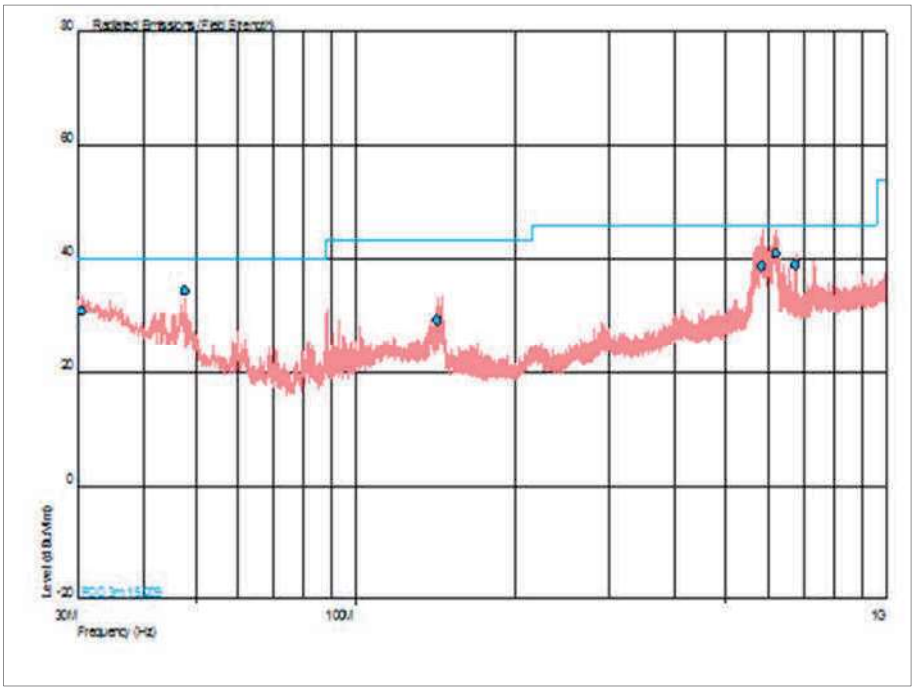

Figure 442 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 296 - U-NII 3 - 5745 MHz - 1 GHz to 40 GHz

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

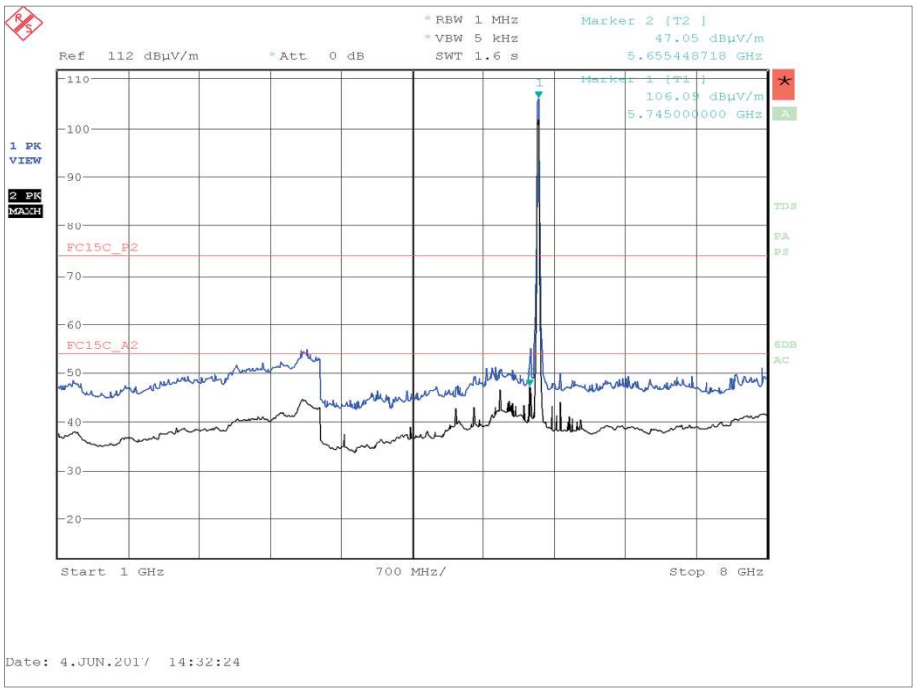

Figure 443 - U-NII 3 - 5745 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

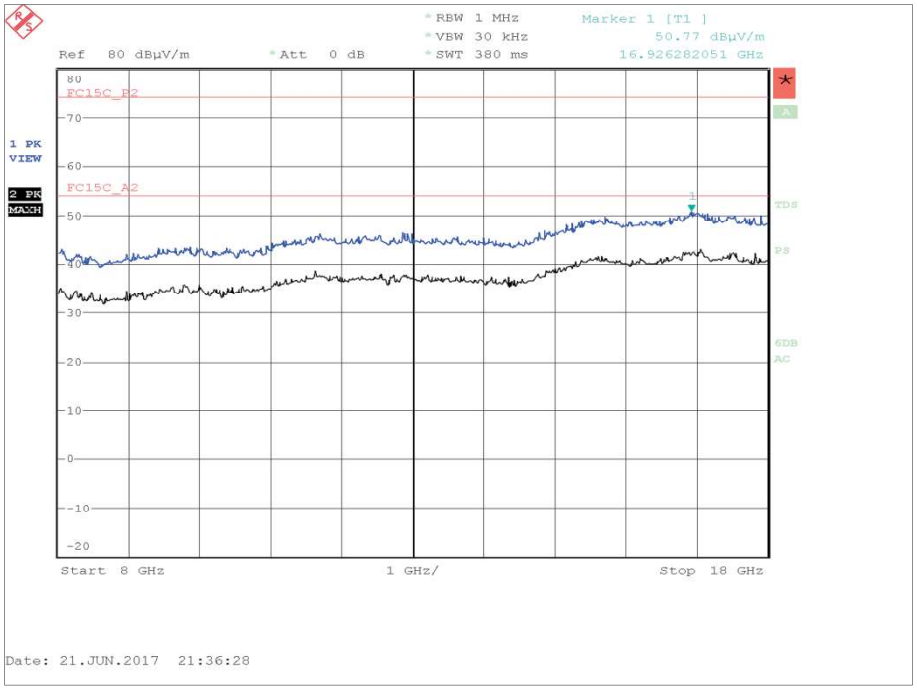

Figure 444 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

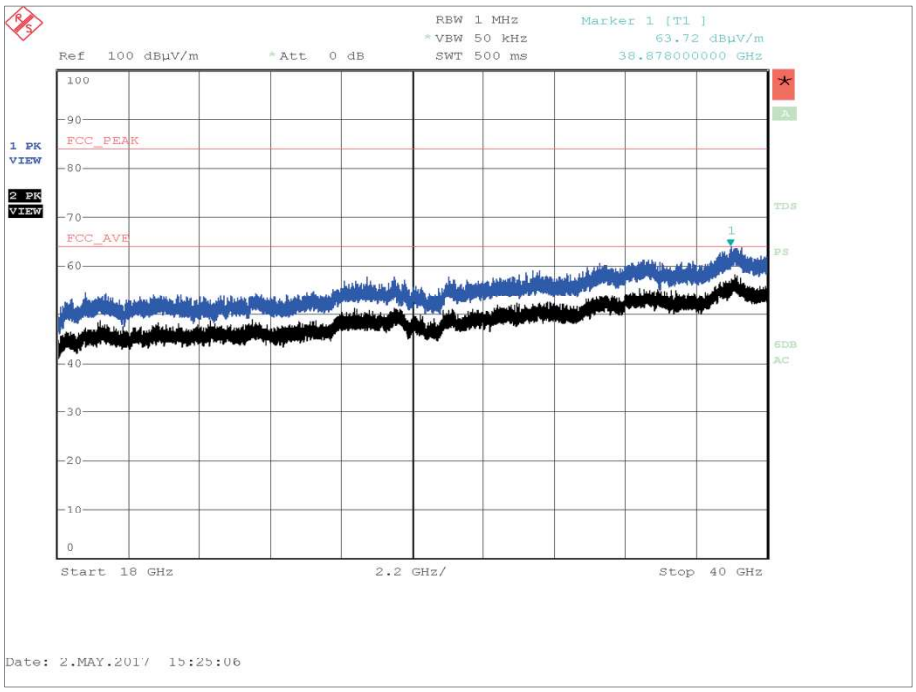

Figure 445 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
32.094	30.0	40.0	-10.0	102	1.00	Vertical
47.795	34.3	40.0	-5.7	31	1.00	Vertical
143.301	29.1	43.5	-14.4	217	1.00	Vertical
584.207	39.6	46.0	-6.4	68	1.08	Vertical
621.622	34.7	46.0	-11.3	62	1.00	Vertical
731.213	36.4	46.0	-9.6	36	1.00	Vertical

Table 297 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz

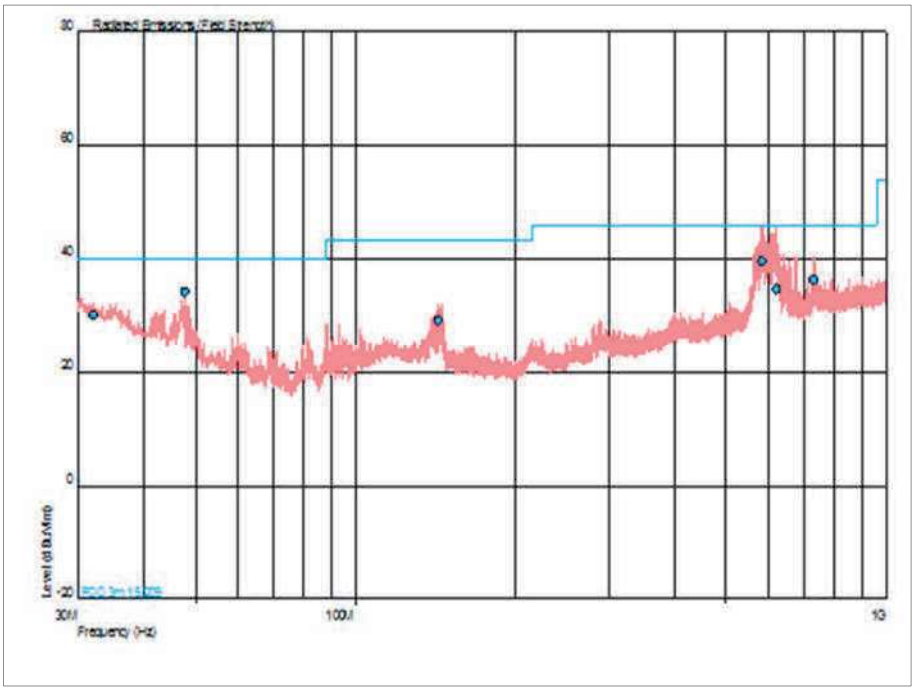

Figure 446 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 298 - U-NII 3 - 5785 MHz - 1 GHz to 40 GHz

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

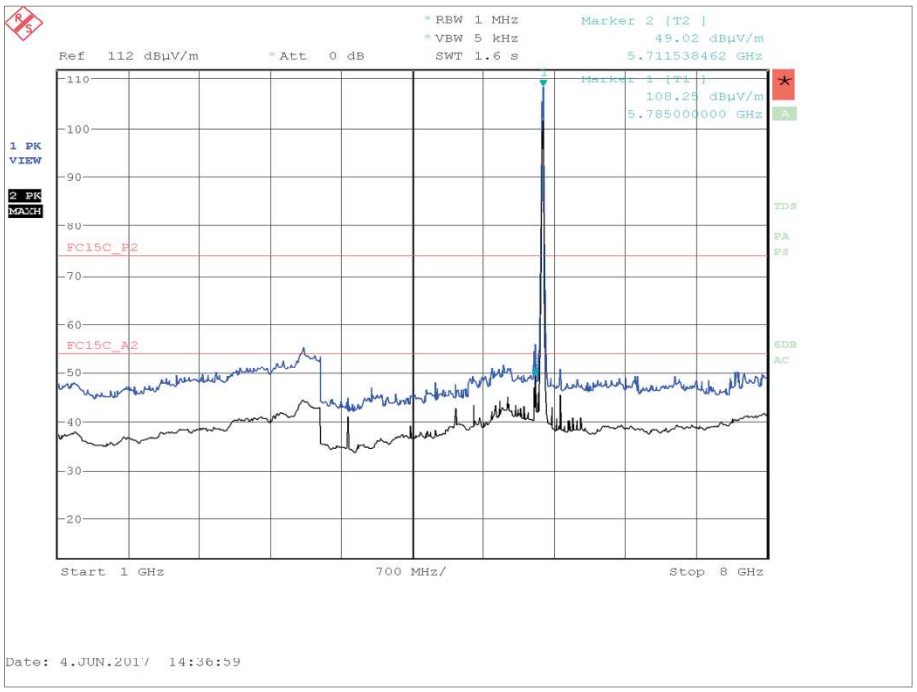

Figure 447 - U-NII 3 - 5785 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

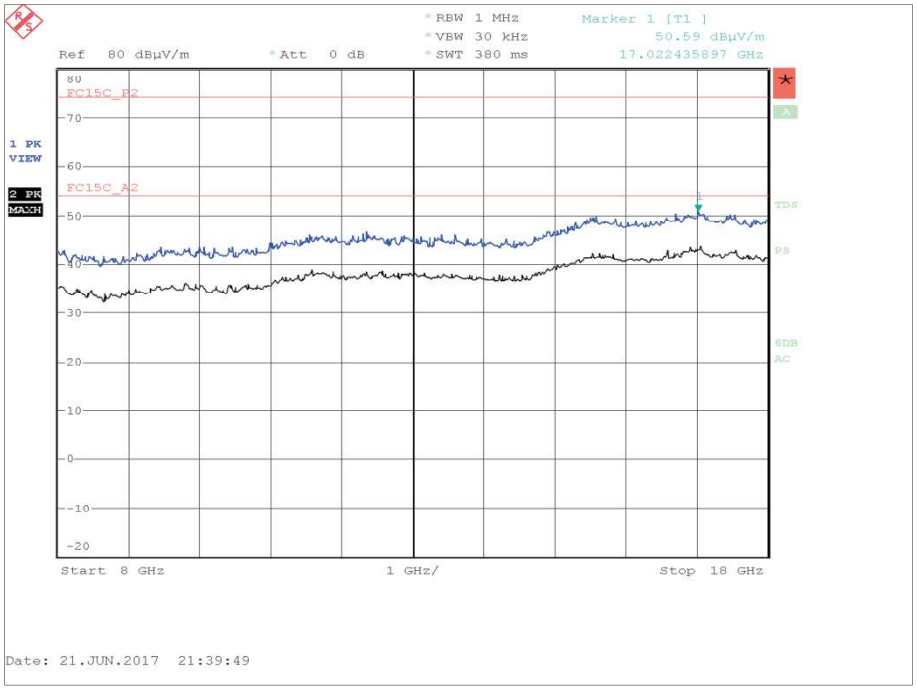

Figure 448 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

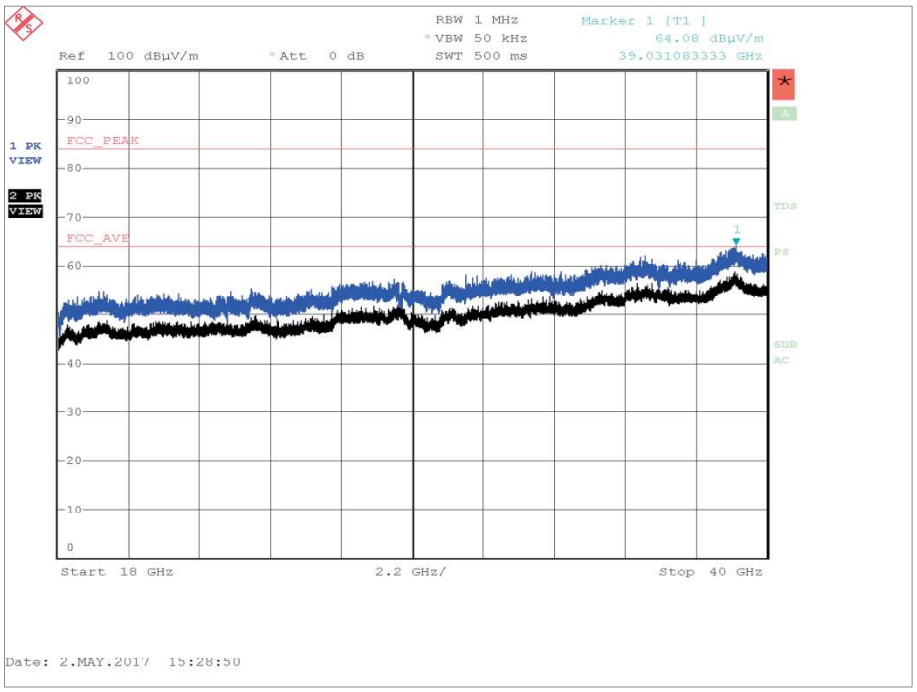

Figure 449 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
35.562	27.8	40.0	-12.2	226	1.00	Horizontal
49.464	21.2	40.0	-18.8	77	1.00	Horizontal
143.310	29.6	43.5	-13.9	342	1.00	Vertical
586.855	36.0	46.0	-10.0	181	1.00	Vertical
618.174	37.7	46.0	-8.3	120	1.00	Vertical
675.045	38.9	46.0	-7.1	350	1.00	Vertical

Table 299 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

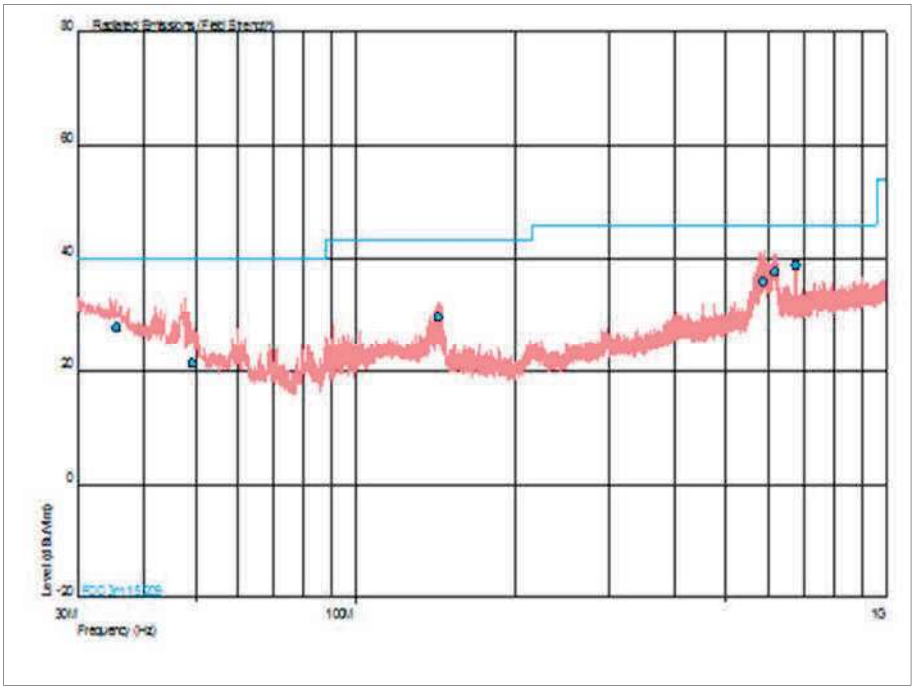

Figure 450 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 300 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz

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

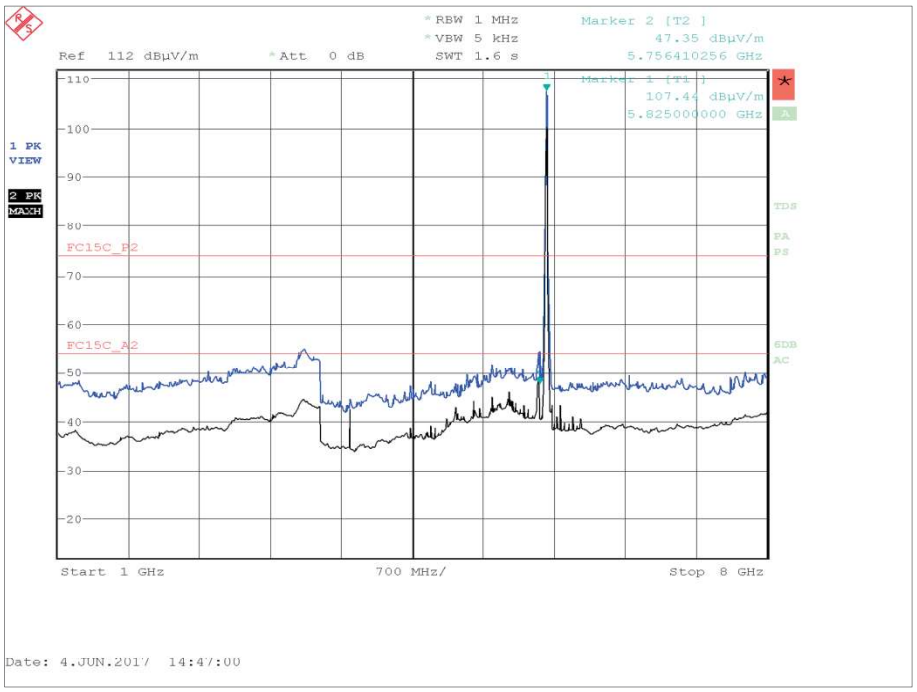

Figure 451 - U-NII 3 - 5825 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

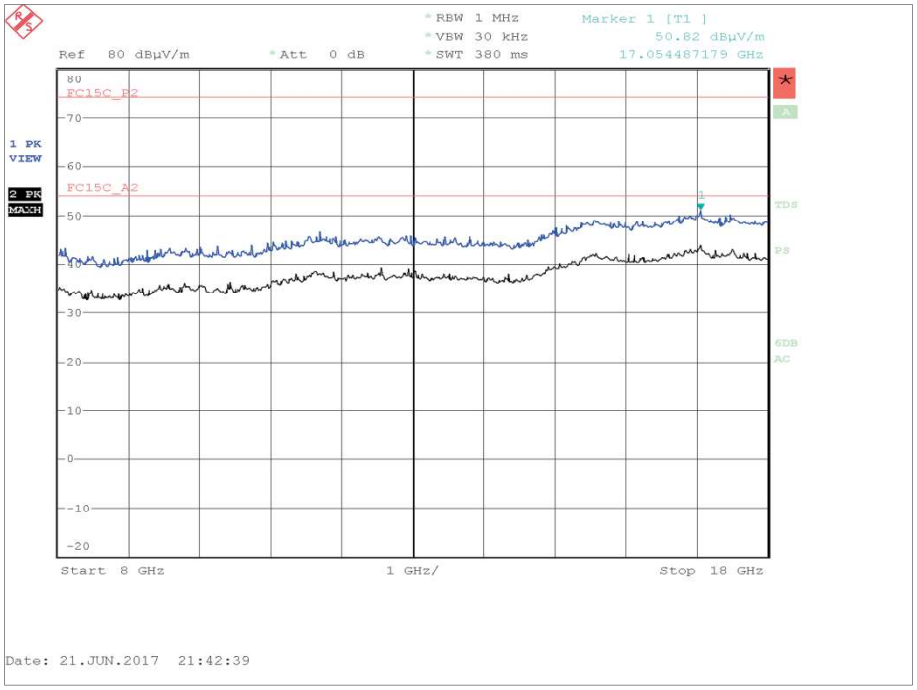

Figure 452 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

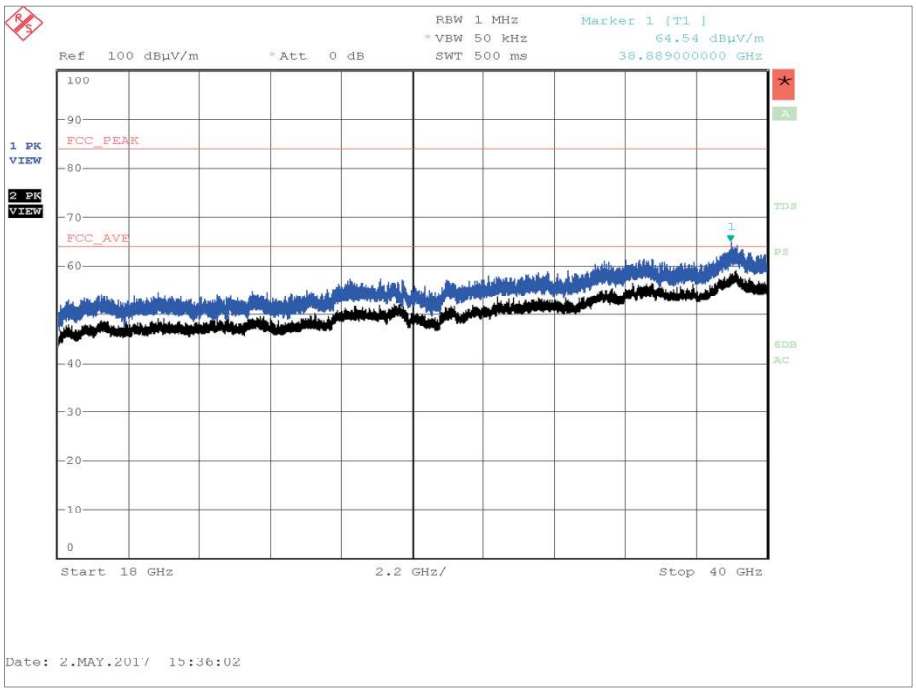

Figure 453 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

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

Emissions not falling within the restricted bands listed in FCC 47 CFR Part 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 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.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.209:

Frequency (MHz)	Field Strength (μV/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:

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.

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

ANT793-6DG - 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 MCS0.

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	Horizontal
281.395	26.8	46.0	-19.2	41	1.00	Vertical
608.000	37.0	46.0	-9.0	179	1.00	Vertical
612.577	40.1	46.0	-5.9	170	1.00	Vertical
614.000	39.4	46.0	-6.6	324	1.00	Vertical
960.000	33.9	46.0	-12.1	26	1.00	Vertical

Table 301 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz

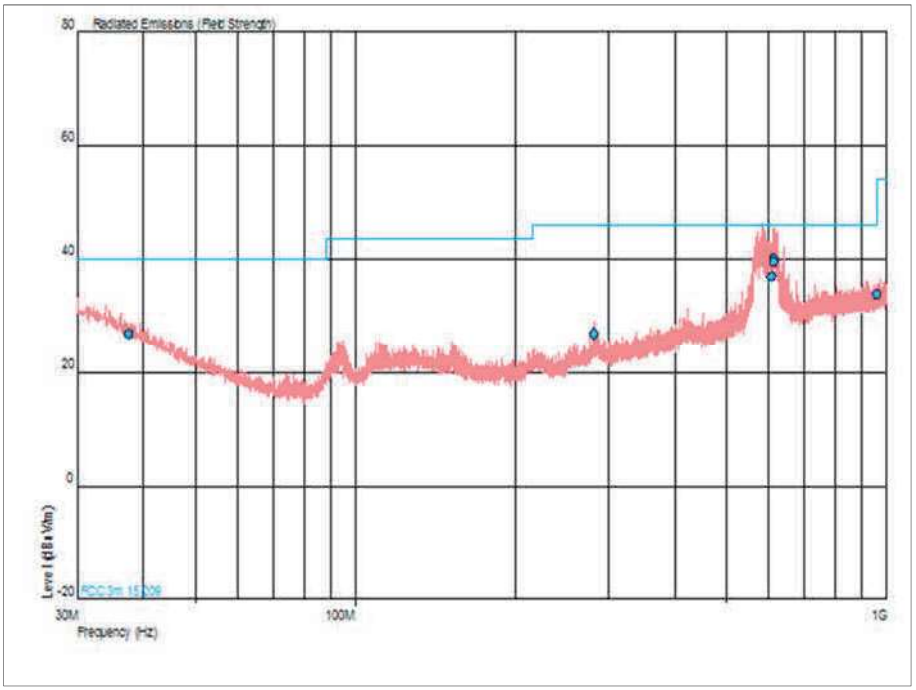

Figure 454 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.102	846.25	240.16	5000.00	500.00	4153.75	259.84

Table 302 - U-NII 1 - 5180 MHz - 1 GHz to 40 GHz

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

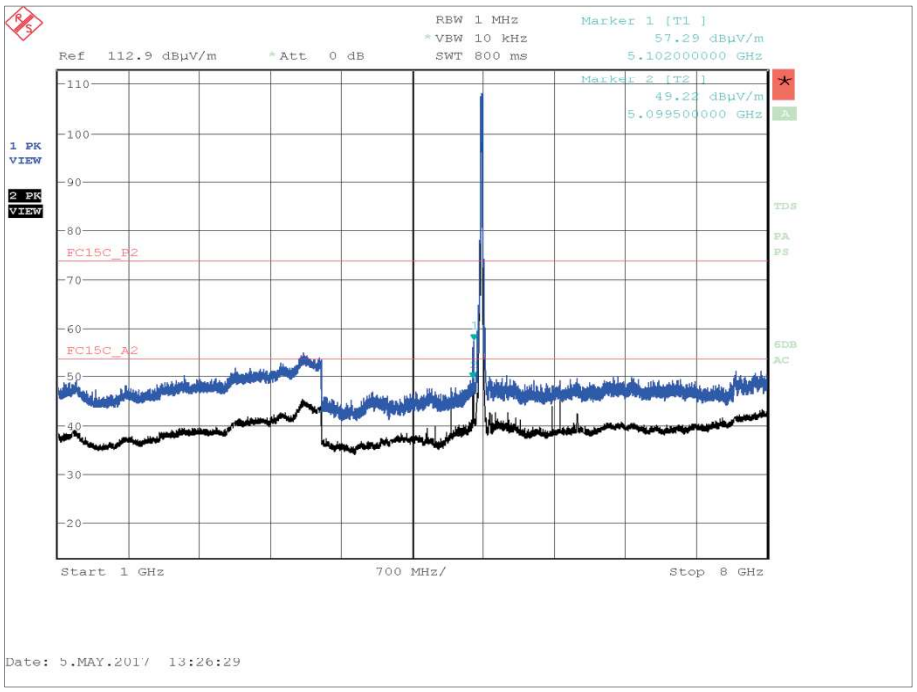

Figure 455 - U-NII 1 - 5180 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

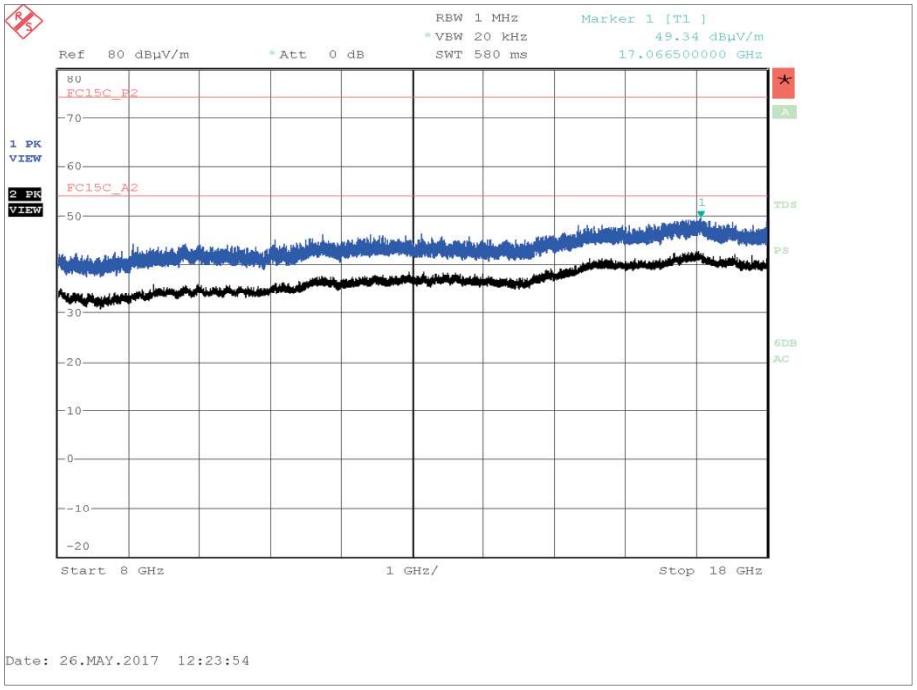

Figure 456 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

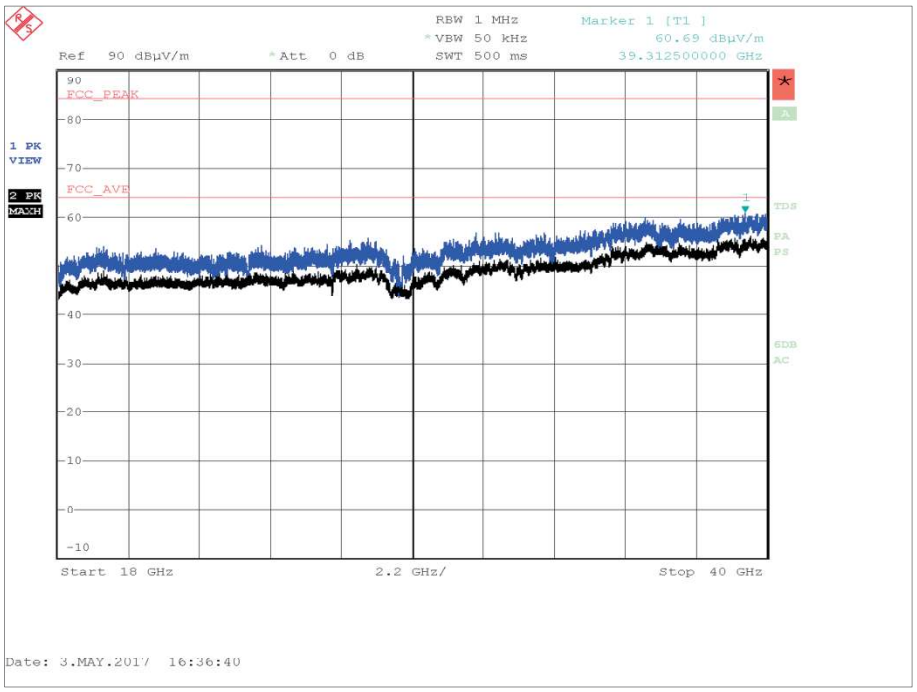

Figure 457 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	315	1.00	Vertical
281.246	26.5	46.0	-19.5	16	1.00	Vertical
608.000	36.2	46.0	-9.8	360	1.00	Vertical
612.587	40.6	46.0	-5.4	313	1.00	Vertical
614.000	39.4	46.0	-6.6	311	1.00	Vertical
960.000	33.8	46.0	-12.2	287	1.00	Vertical

Table 303 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

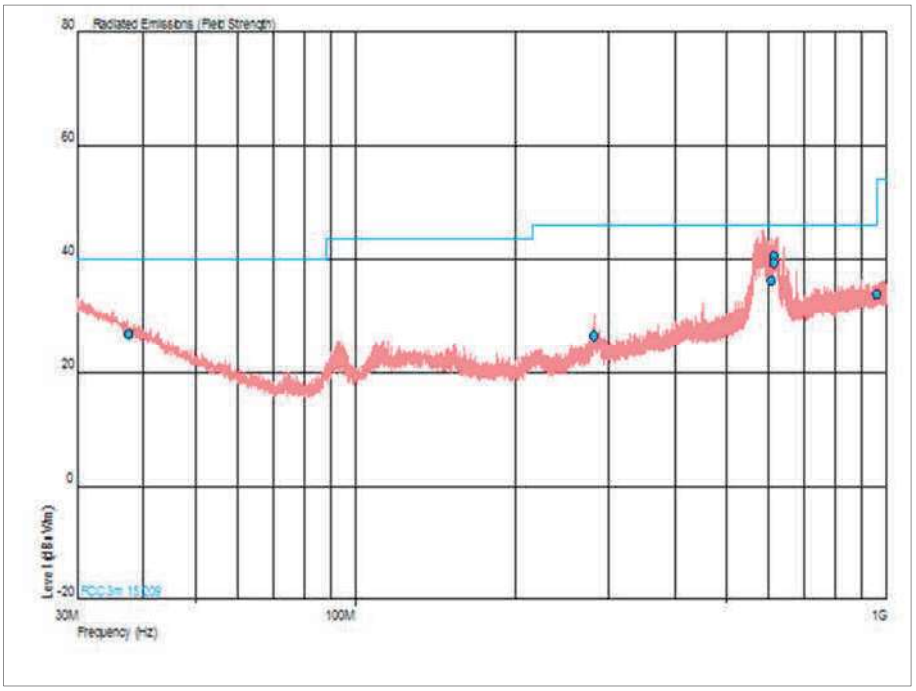

Figure 458 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 304 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz

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

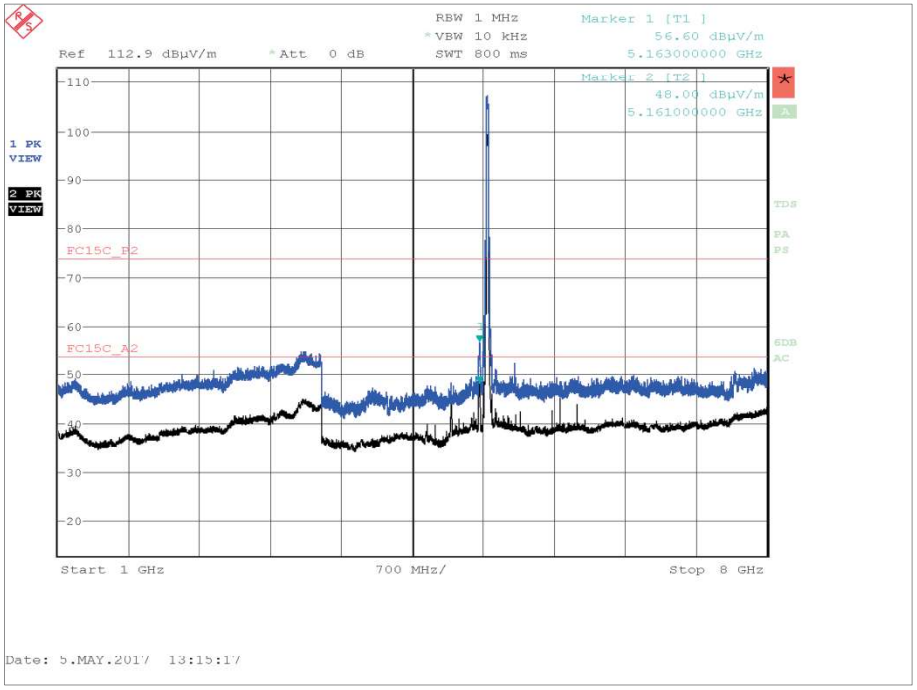

Figure 459 - U-NII 1 - 5200 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

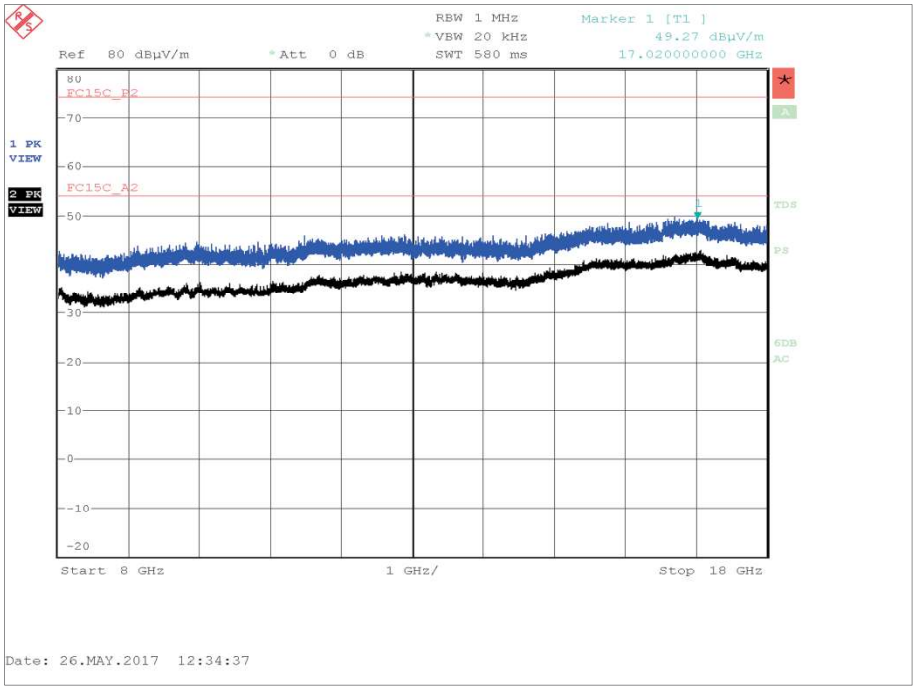

Figure 460 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

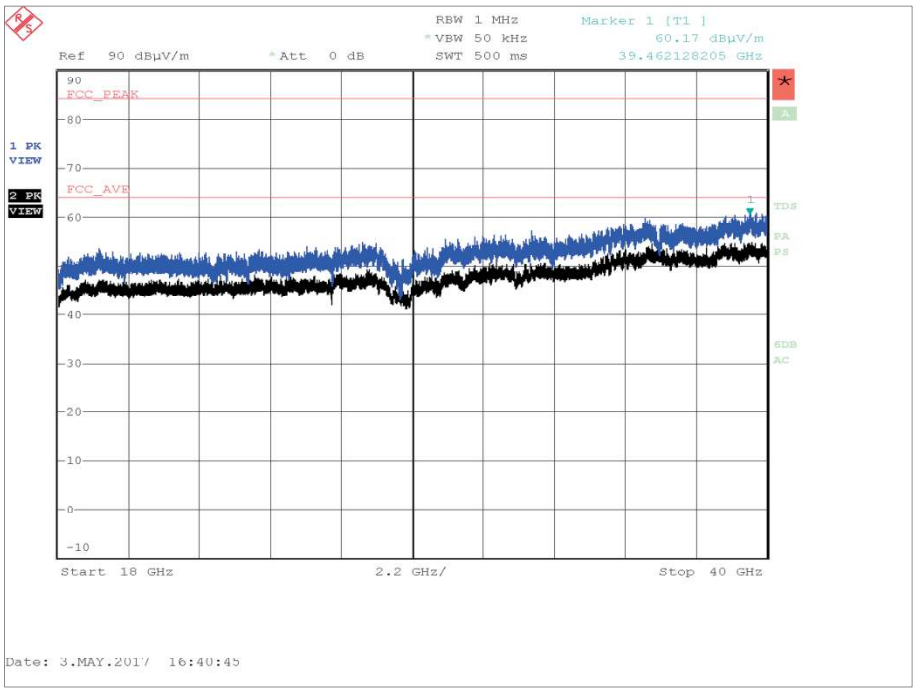

Figure 461 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	360	1.00	Vertical
281.444	26.8	46.0	-19.2	25	1.00	Vertical
608.000	36.5	46.0	-9.5	172	1.00	Vertical
612.702	39.2	46.0	-6.8	166	1.00	Vertical
614.000	37.6	46.0	-8.4	162	1.00	Vertical
960.000	33.9	46.0	-12.1	166	1.00	Vertical

Table 305 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz

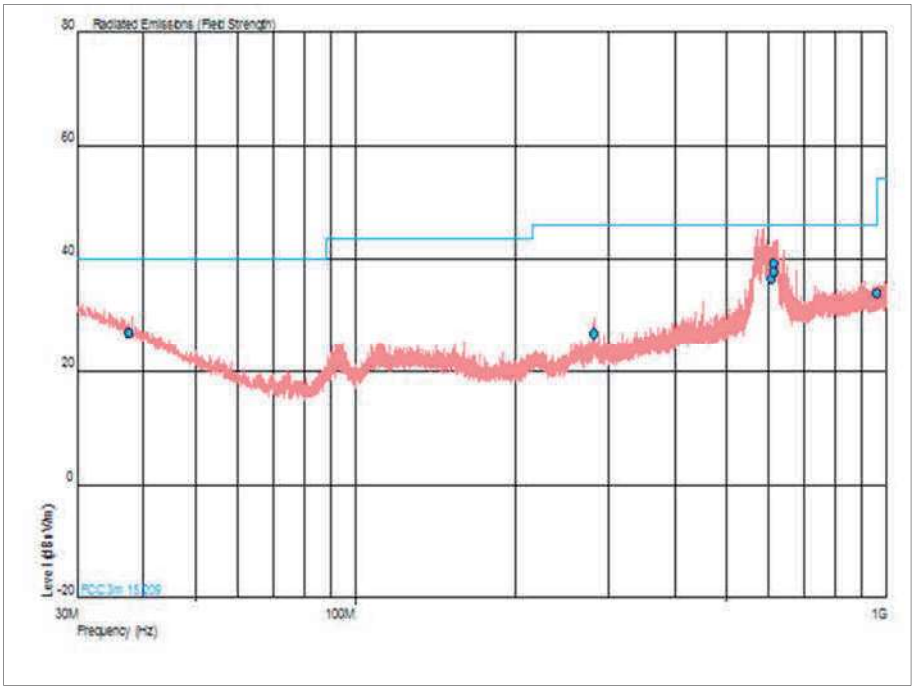

Figure 462 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 306 - U-NII 1 - 5240 MHz - 1 GHz to 40 GHz

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

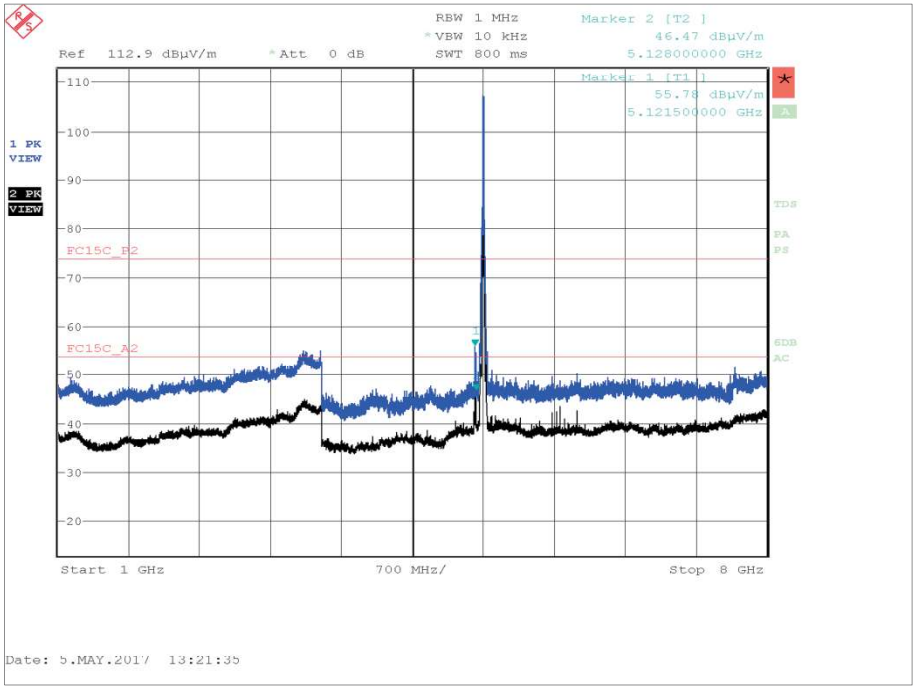

Figure 463 - U-NII 1 - 5240 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

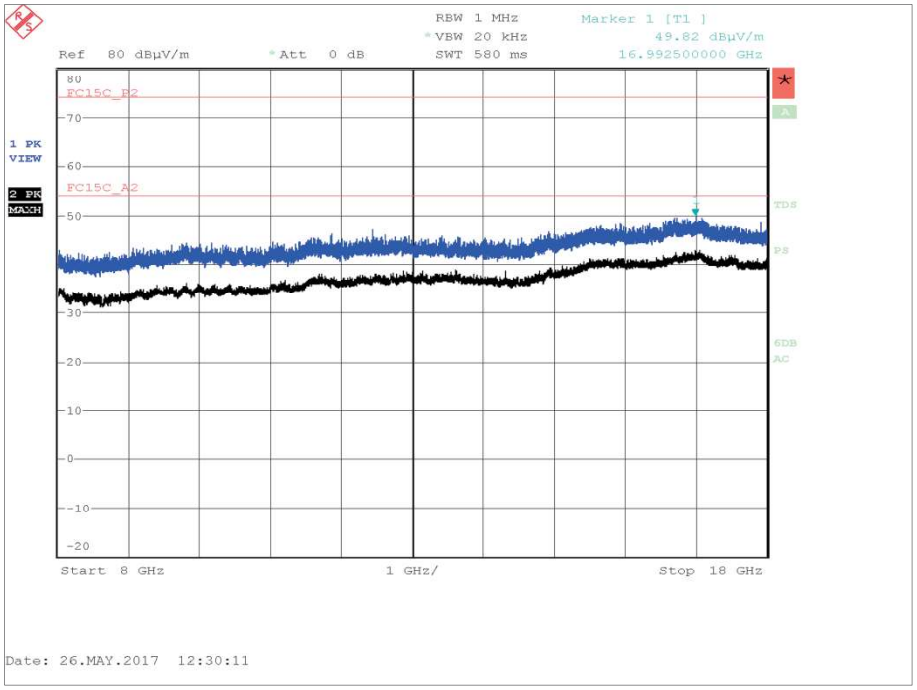

Figure 464 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

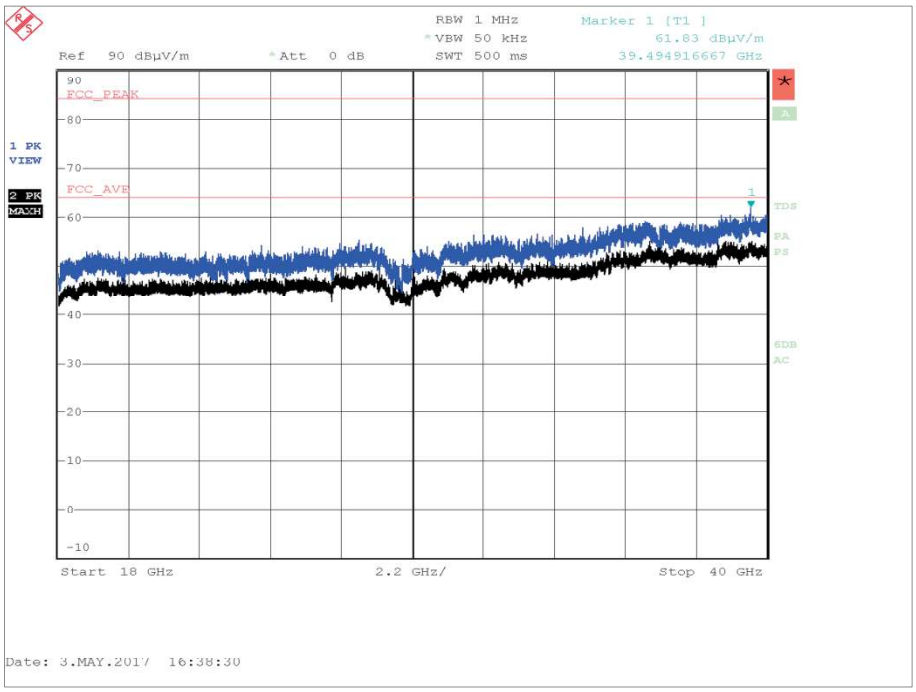

Figure 465 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	360	1.00	Vertical
281.229	27.2	46.0	-18.8	31	1.00	Vertical
608.000	35.3	46.0	-10.7	160	1.00	Vertical
612.606	40.0	46.0	-6.0	325	1.00	Vertical
614.000	35.1	46.0	-10.9	74	1.00	Vertical
960.000	33.9	46.0	-12.1	353	1.00	Vertical

Table 307 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz

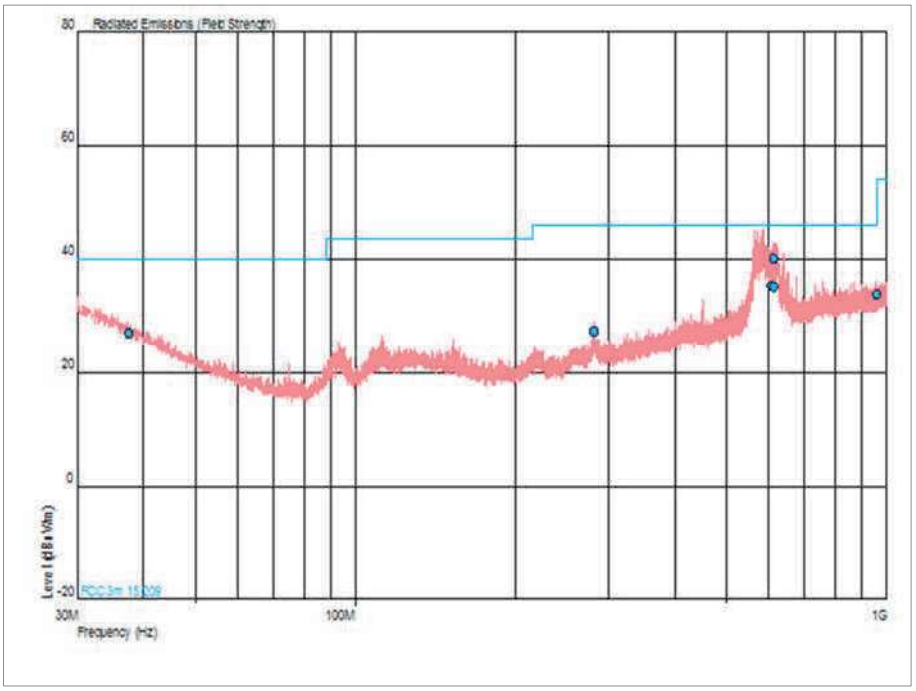

Figure 466 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 308 - U-NII 2a - 5260 - 1 GHz to 40 GHz - Emissions Results

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

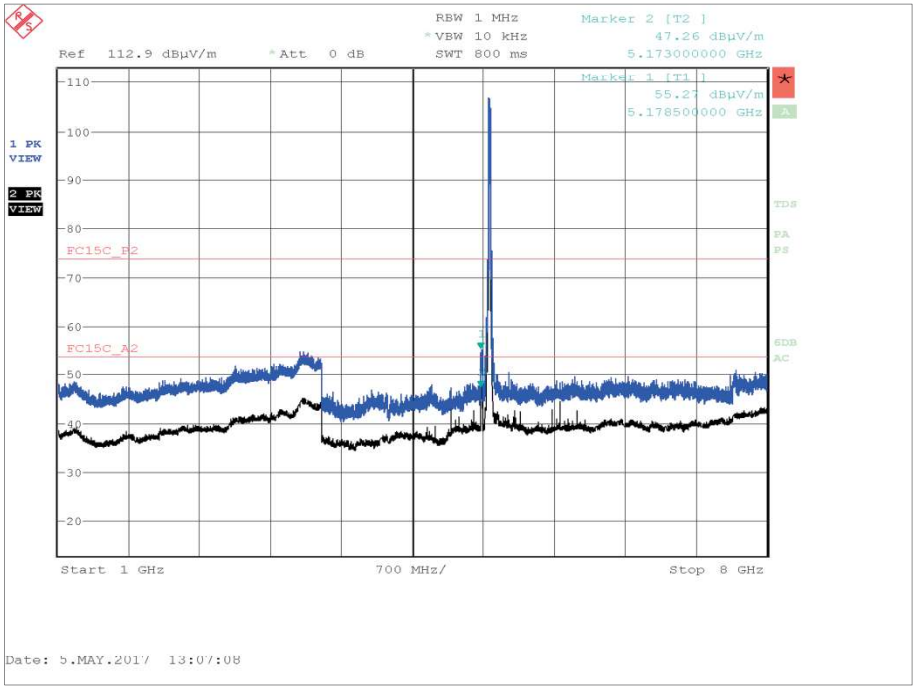

Figure 467 - U-NII 2a - 5260 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

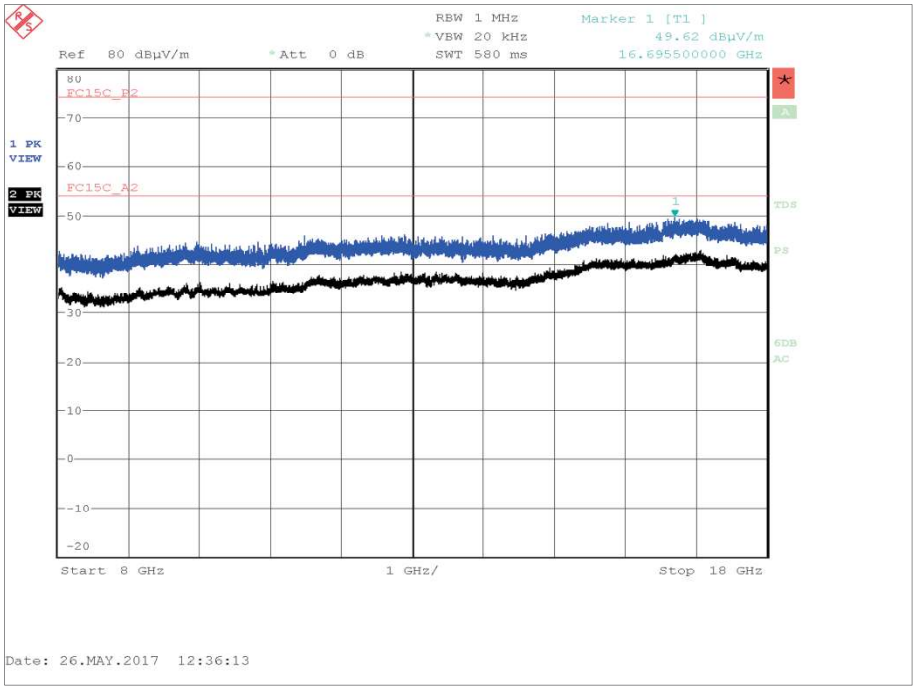

Figure 468 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

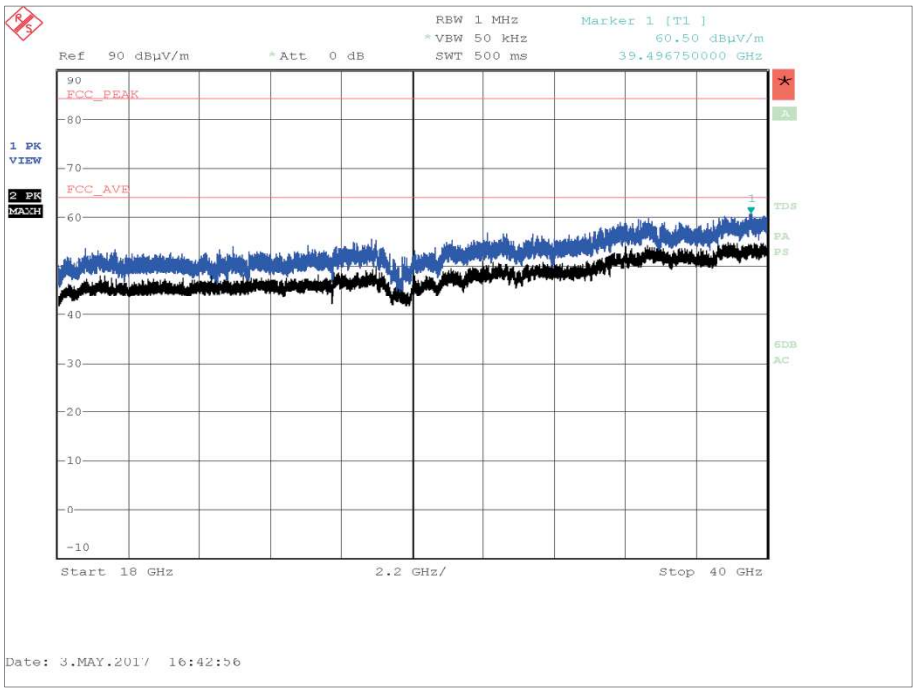

Figure 469 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	171	1.00	Vertical
281.165	26.8	46.0	-19.2	62	1.00	Vertical
608.000	36.4	46.0	-9.6	322	1.00	Vertical
612.885	37.3	46.0	-8.7	51	1.00	Vertical
614.000	37.7	46.0	-8.3	159	1.00	Vertical
960.000	33.9	46.0	-12.1	352	1.00	Vertical

Table 309 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz

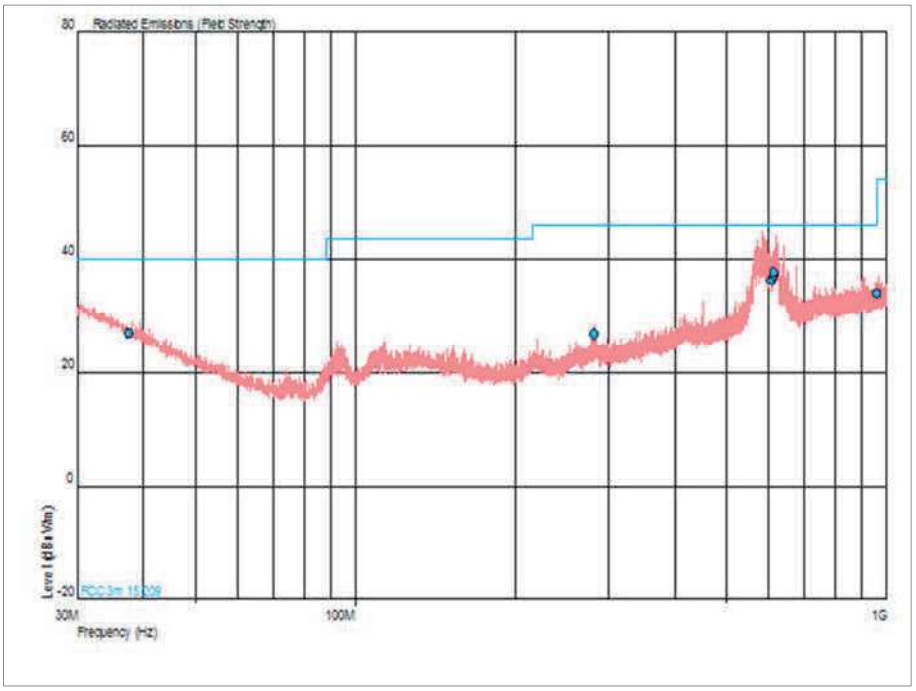

Figure 470 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 310 - U-NII 2a - 5300 MHz - 1 GHz to 40 GHz

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

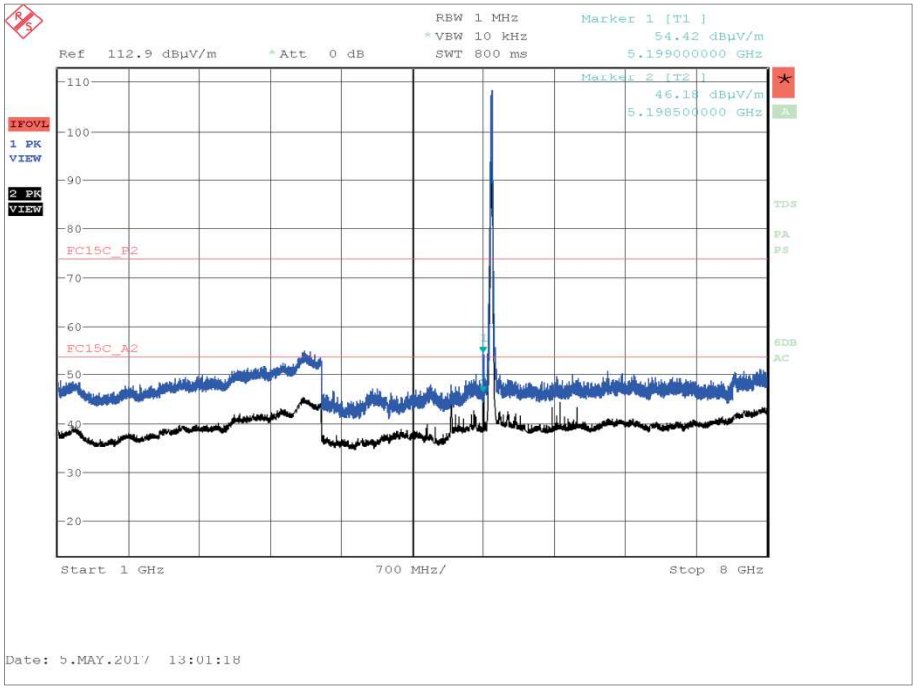

Figure 471 - U-NII 2a - 5300 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

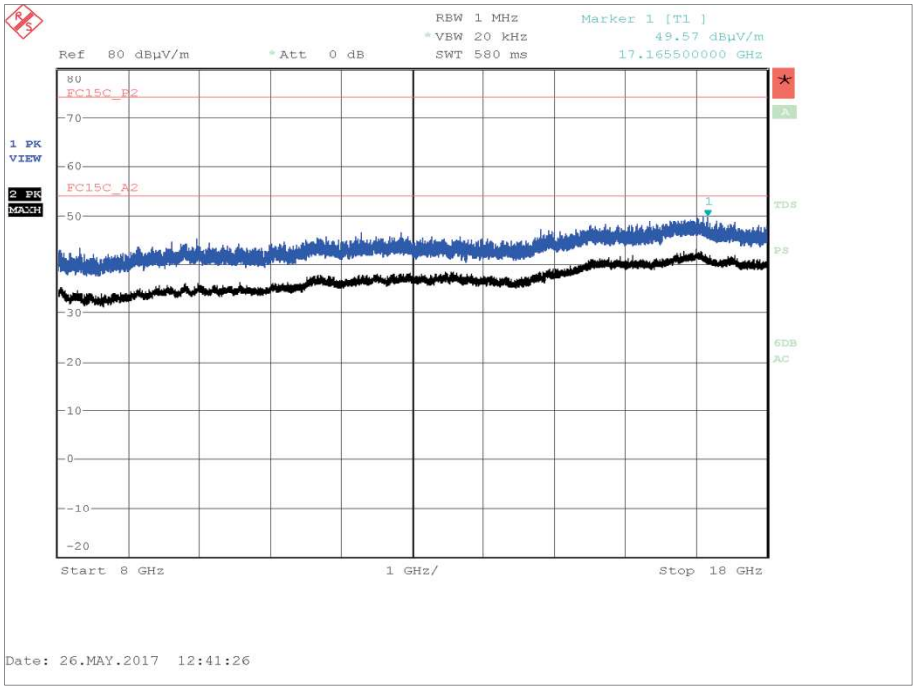

Figure 472 - U-NII 2a - 5300 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

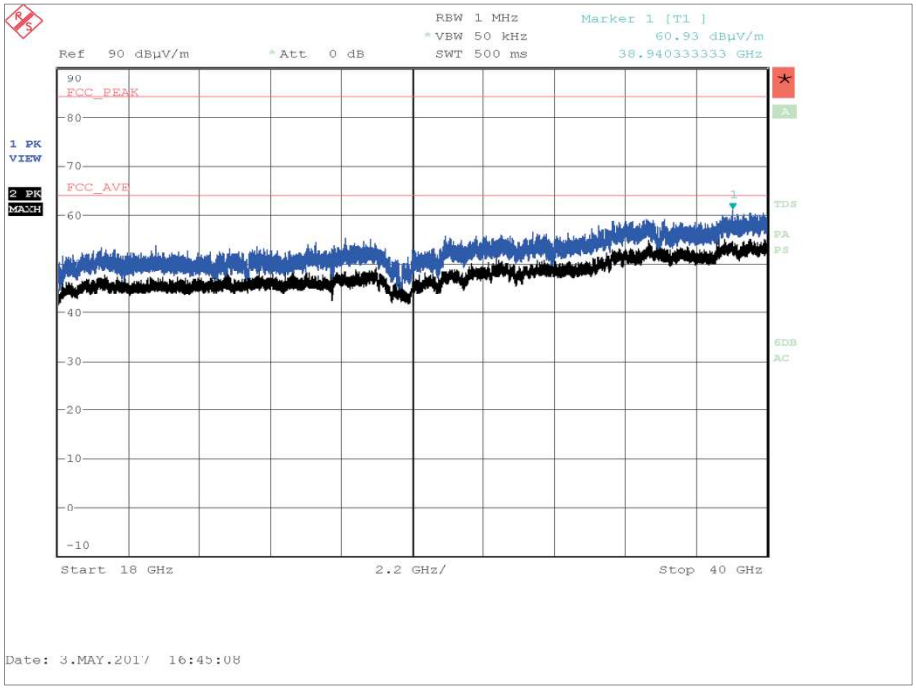

Figure 473 - U-NII 2a - 5300 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	305	1.00	Vertical
281.185	27.5	46.0	-18.5	43	1.00	Vertical
608.000	36.6	46.0	-9.4	360	1.00	Vertical
612.269	38.0	46.0	-8.0	294	1.00	Vertical
614.000	36.9	46.0	-9.1	121	1.00	Vertical
960.000	33.8	46.0	-12.2	353	1.00	Vertical

Table 311 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz

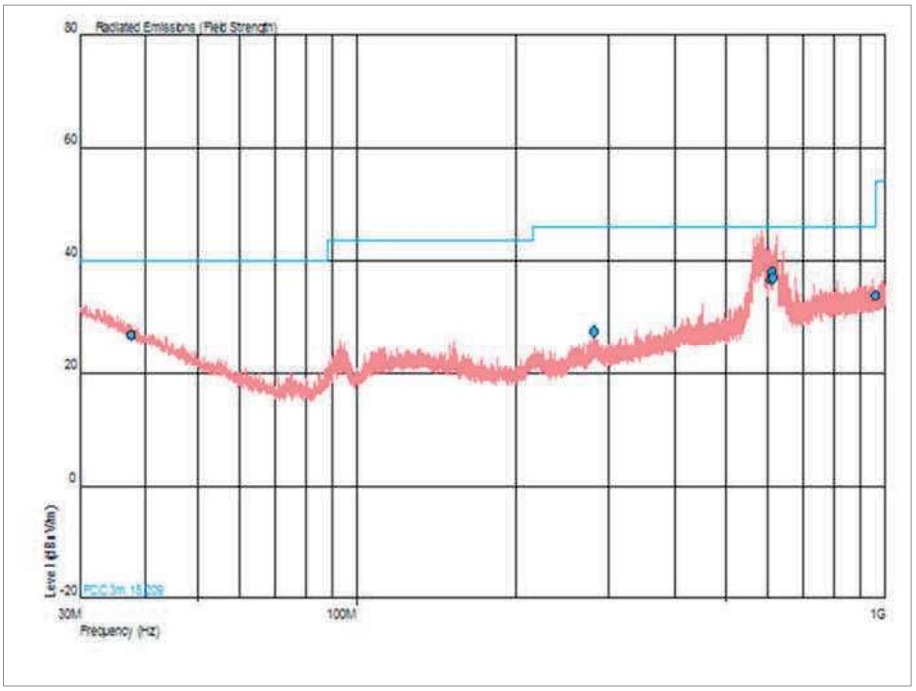

Figure 474 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 312 - U-NII 2a - 5320 MHz - 1 GHz to 40 GHz

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

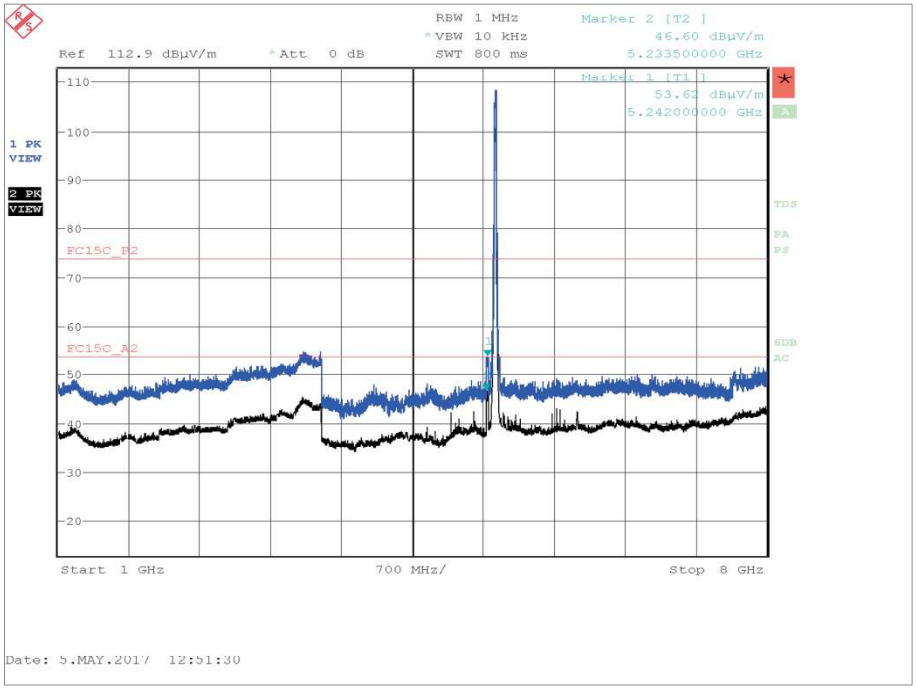

Figure 475 - U-NII 2a - 5320 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

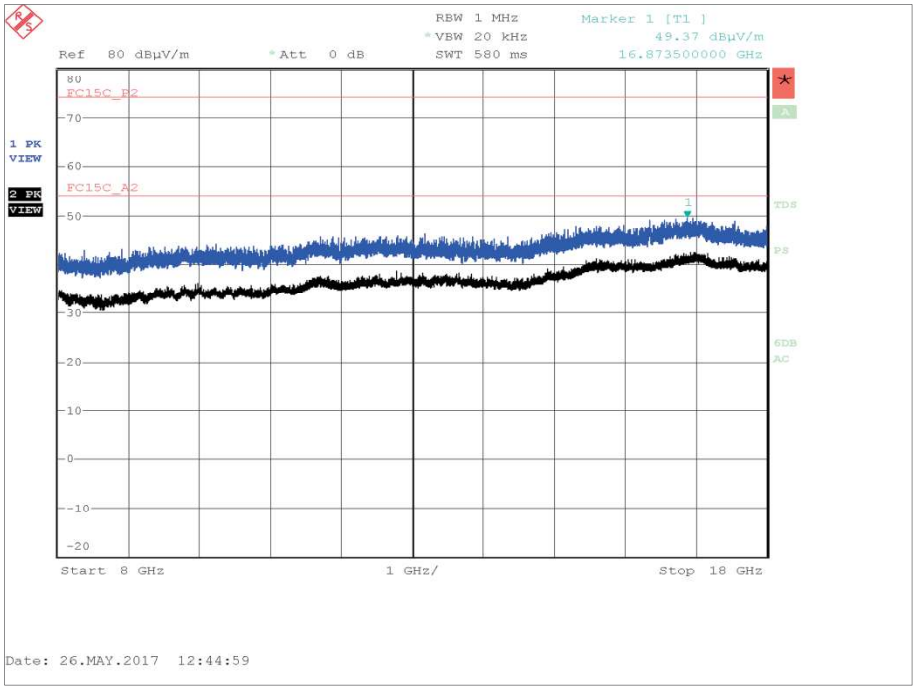

Figure 476 - U-NII 2a - 5320 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

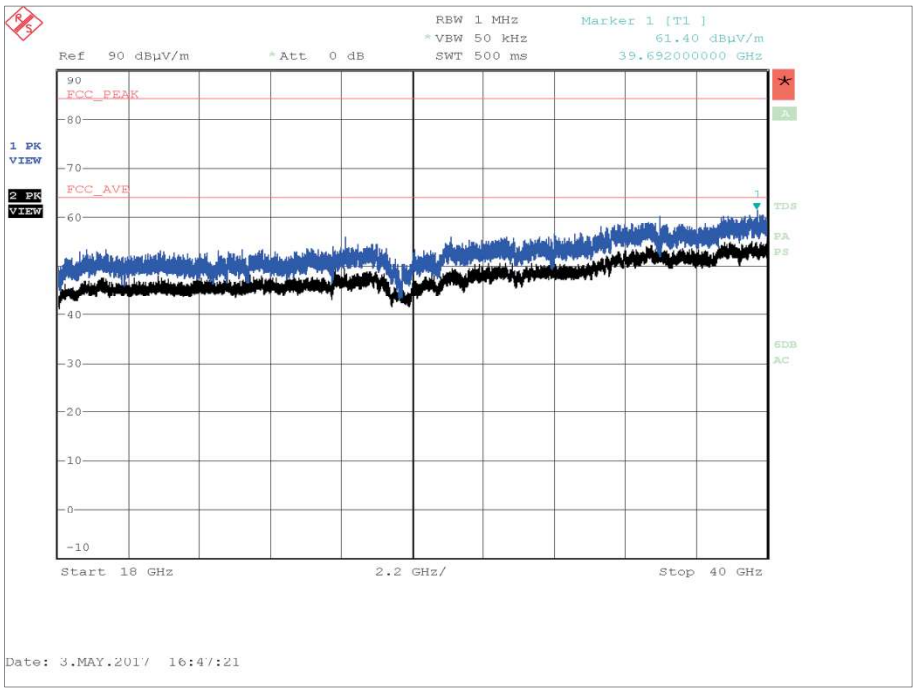

Figure 477 - U-NII 2a - 5320 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	242	1.00	Vertical
281.423	27.1	46.0	-18.9	31	1.00	Vertical
608.000	36.3	46.0	-9.7	178	1.00	Vertical
612.510	39.9	46.0	-6.1	360	1.00	Vertical
614.000	36.8	46.0	-9.2	49	1.00	Vertical
960.000	33.9	46.0	-12.1	353	1.00	Vertical

Table 313 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz

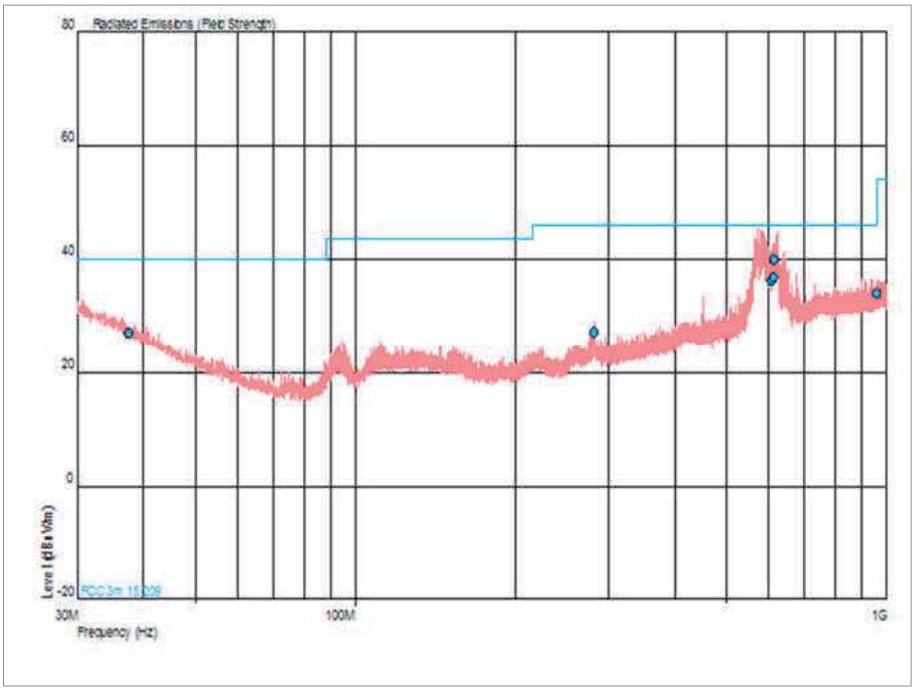

Figure 478 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 314 - U-NII 2c - 5500 MHz - 1 GHz to 40 GHz

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

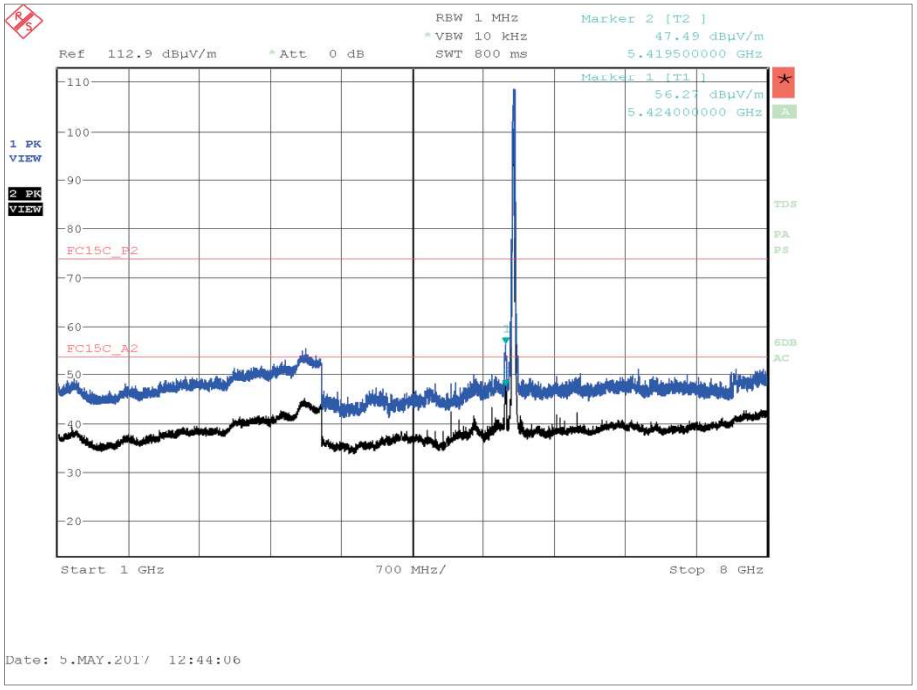

Figure 479 - U-NII 2c - 5500 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

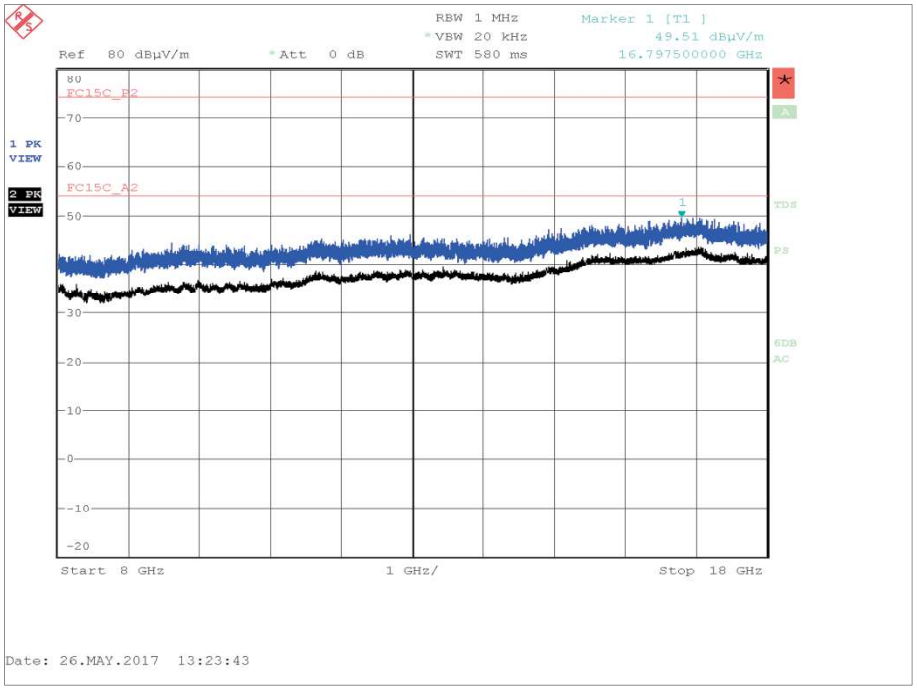

Figure 480 - U-NII 2c - 5500 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

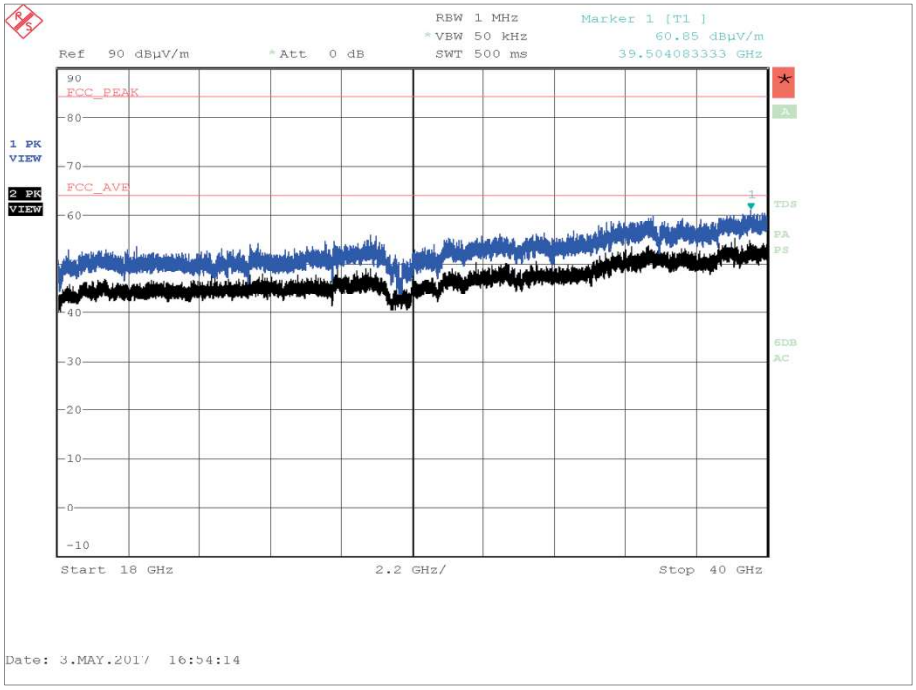

Figure 481 - U-NII 2c - 5500 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
31.160	29.8	40.0	-10.2	360	1.00	Vertical
37.500	26.8	40.0	-13.2	0	1.00	Vertical
608.000	35.3	46.0	-10.7	168	1.00	Vertical
612.692	40.8	46.0	-5.2	315	1.00	Vertical
614.000	40.1	46.0	-5.9	322	1.00	Vertical
960.000	33.9	46.0	-12.1	212	1.00	Vertical

Table 315 - U-NII 2c - 5580 MHz - 30 MHz to 1 GHz

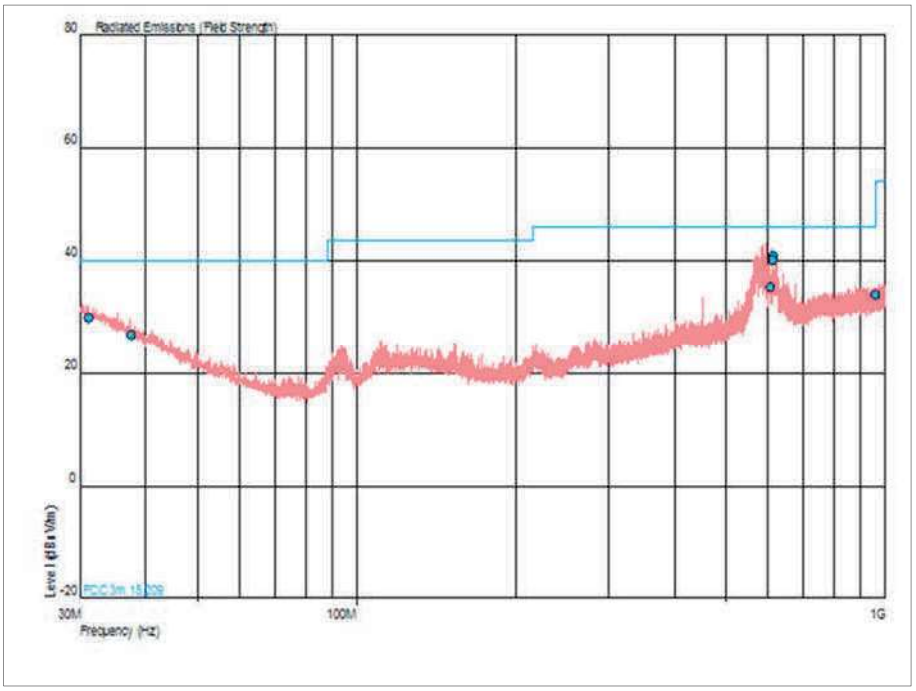

Figure 482 - U-NII 2c - 5580 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 316 - U-NII 2c - 5580 MHz - 1 GHz to 40 GHz

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

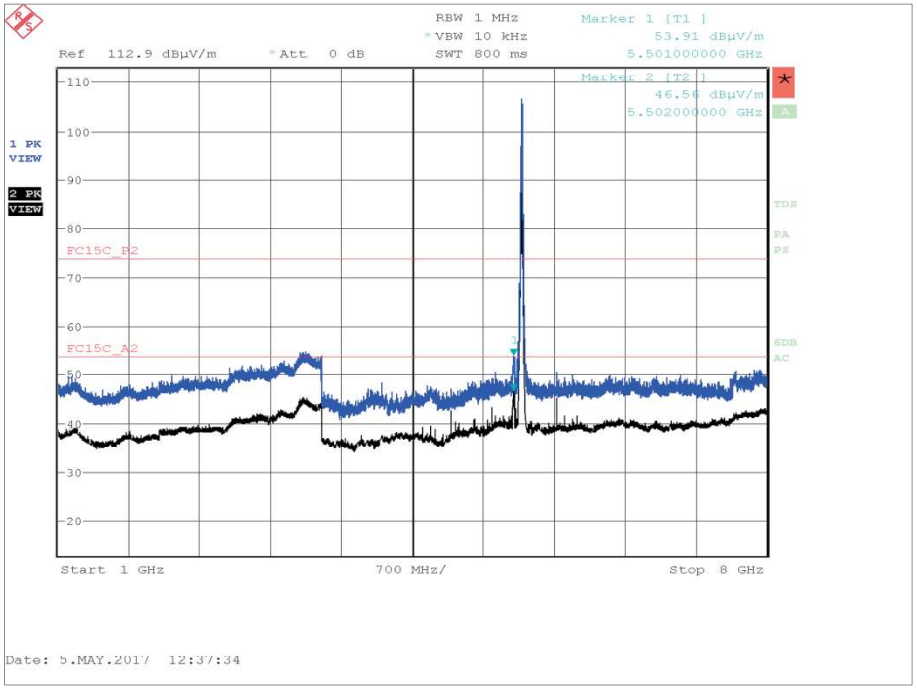

Figure 483 - U-NII 2c - 5580 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

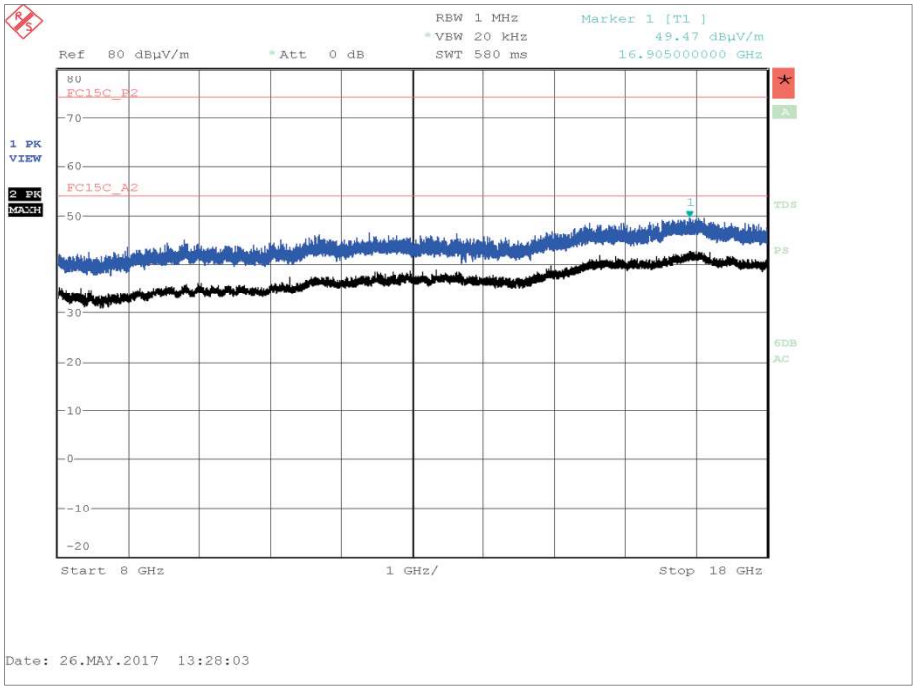

Figure 484 - U-NII 2c - 5580 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

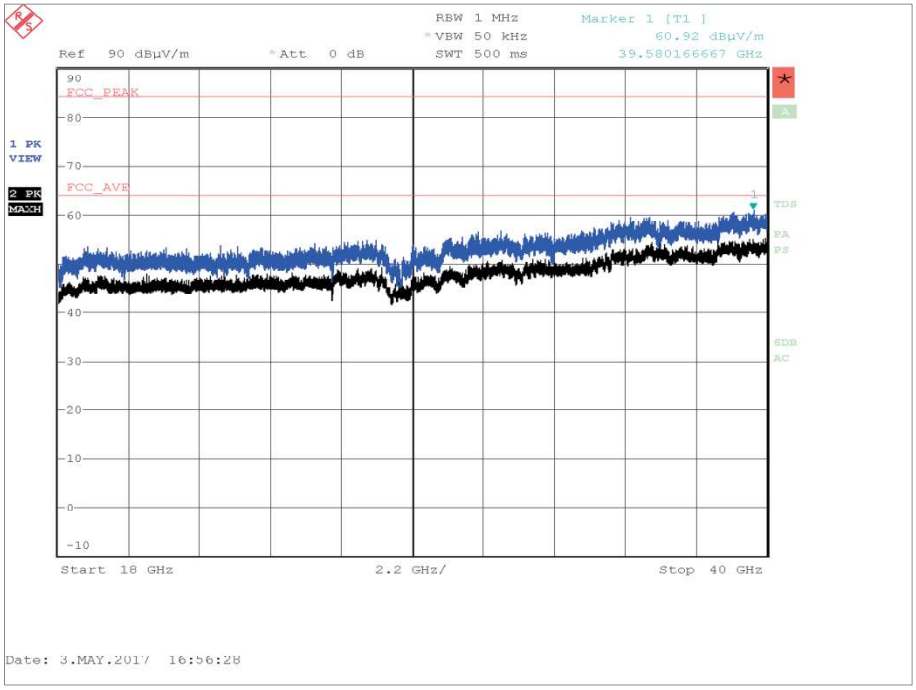

Figure 485 - U-NII 2c - 5580 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

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	359	1.00	Vertical
281.414	26.4	46.0	-19.6	0	1.00	Vertical
608.000	36.2	46.0	-9.8	353	1.00	Vertical
612.904	38.6	46.0	-7.4	290	1.00	Vertical
614.000	39.6	46.0	-6.4	317	1.00	Vertical
960.000	33.8	46.0	-12.2	66	1.00	Vertical

Table 317 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz

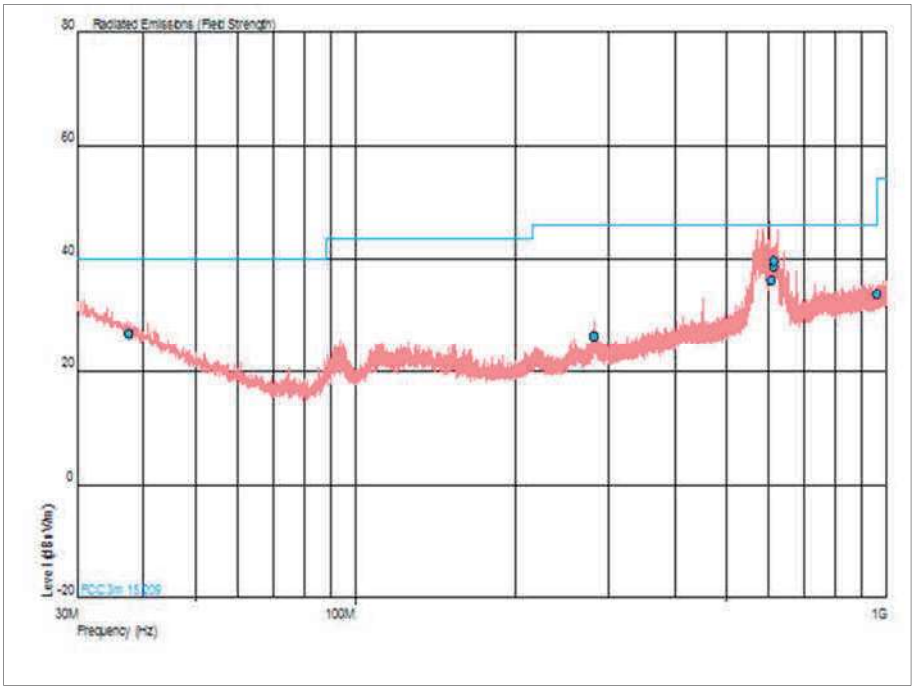

Figure 486 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 318 - U-NII 2c - 5700 MHz - 1 GHz to 40 GHz

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

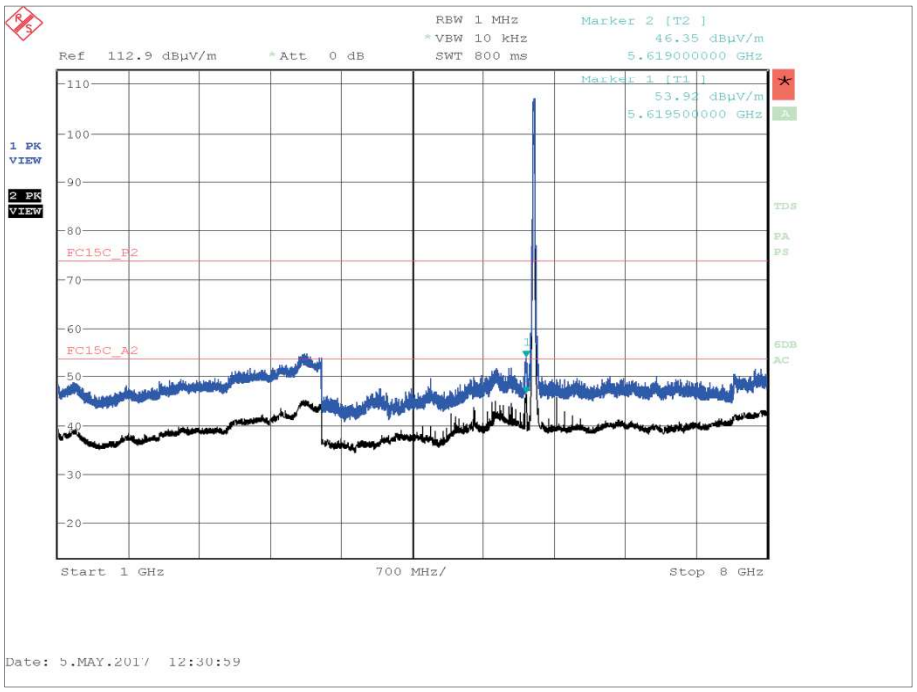

Figure 487 - U-NII 2c - 5700 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

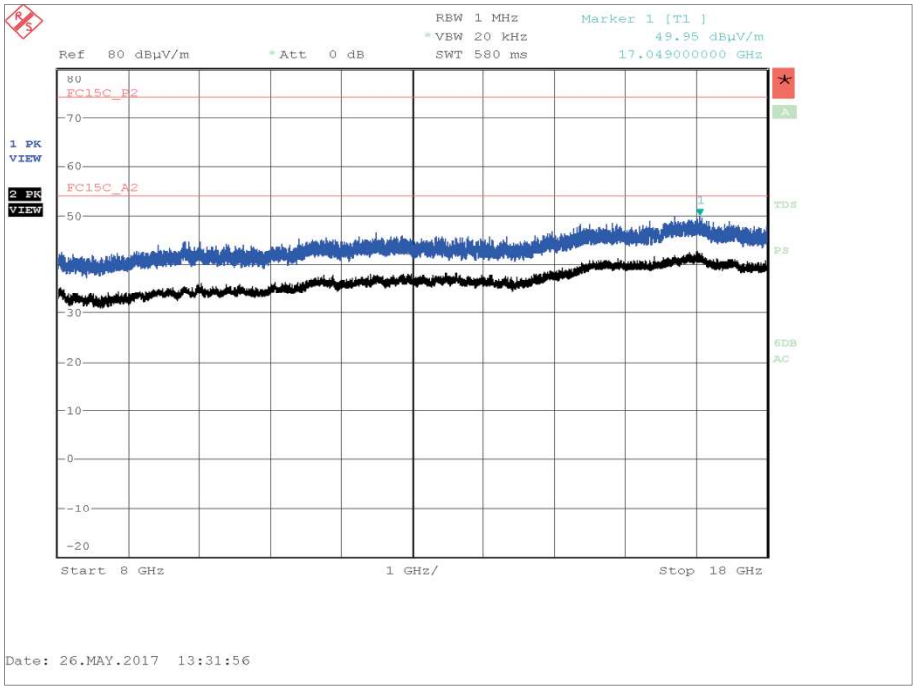

Figure 488 - U-NII 2c - 5700 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

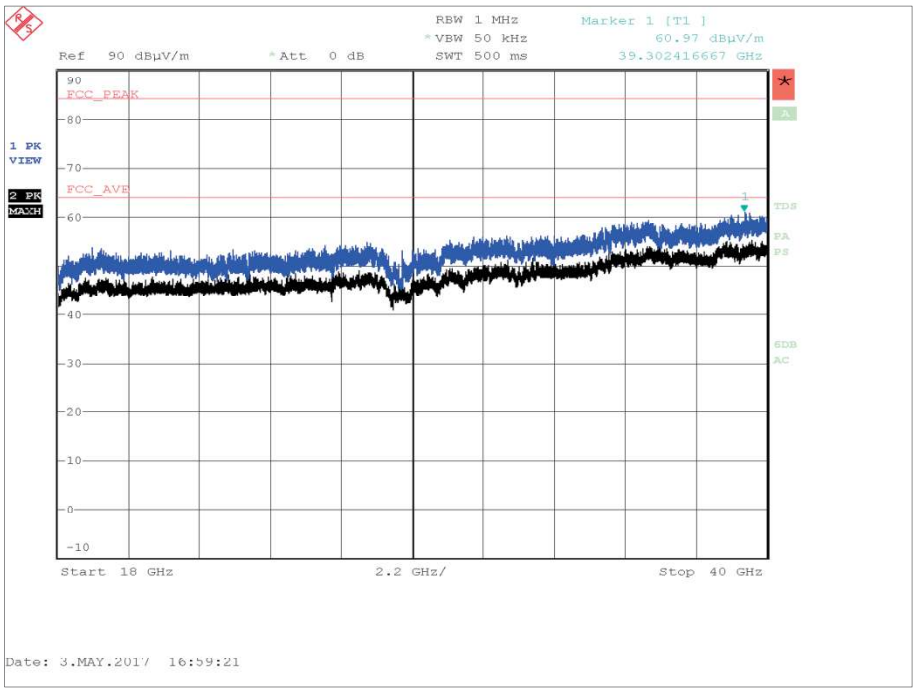

Figure 489 - U-NII 2c - 5700 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	360	1.00	Vertical
281.210	27.4	46.0	-18.6	38	1.00	Vertical
608.000	35.2	46.0	-10.8	163	1.00	Vertical
612.452	40.0	46.0	-6.0	360	1.00	Vertical
614.000	37.5	46.0	-8.5	288	1.00	Vertical
960.000	33.9	46.0	-12.1	129	1.00	Vertical

Table 319 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz

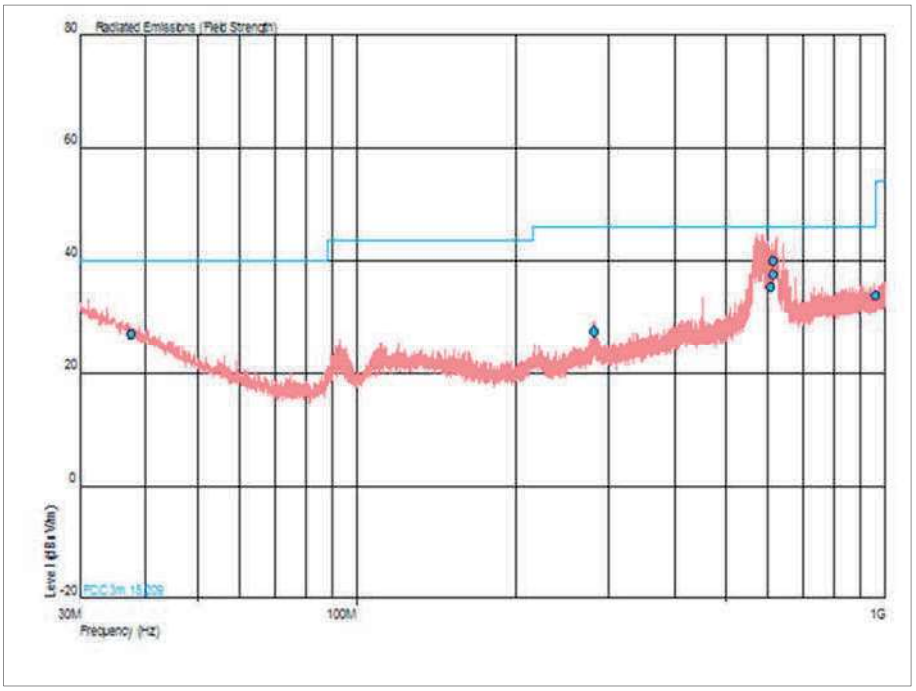

Figure 490 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 320 - U-NII 3 - 5745 MHz - 1 GHz to 40 GHz

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

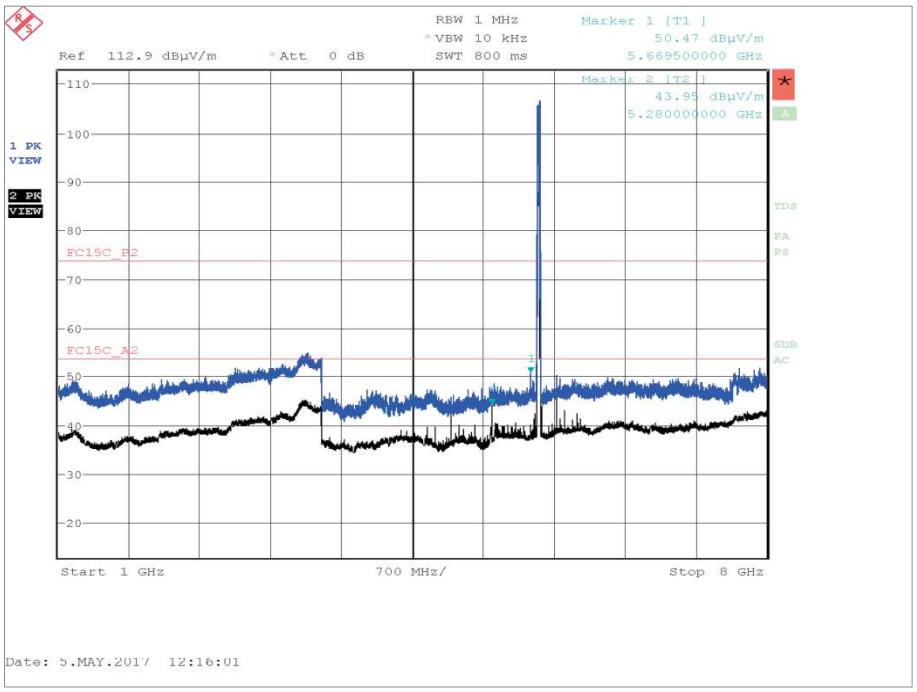

Figure 491 - U-NII 3 - 5745 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

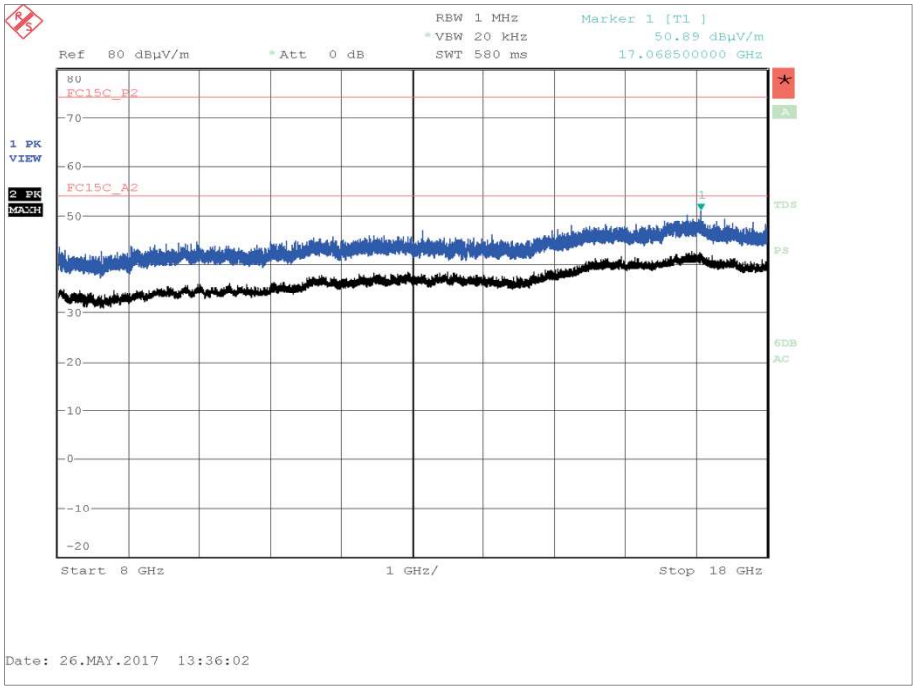

Figure 492 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

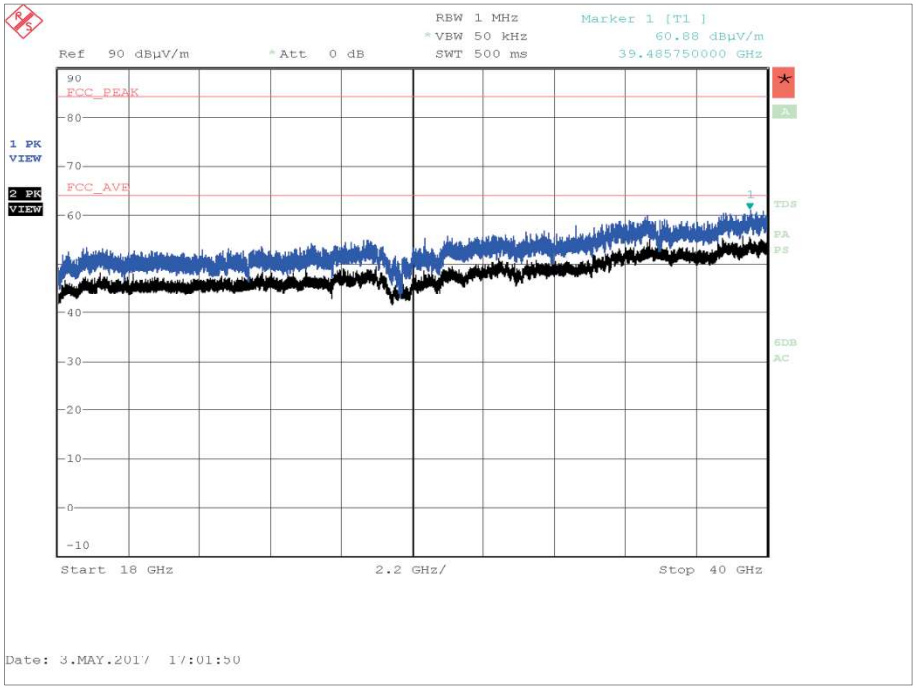

Figure 493 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

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	18	1.00	Vertical
281.257	27.2	46.0	-18.8	50	1.00	Vertical
608.000	36.2	46.0	-9.8	360	1.00	Vertical
612.644	39.9	46.0	-6.1	329	1.00	Vertical
614.000	36.5	46.0	-9.5	135	1.00	Vertical
960.000	33.9	46.0	-12.1	50	1.00	Vertical

Table 321 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz

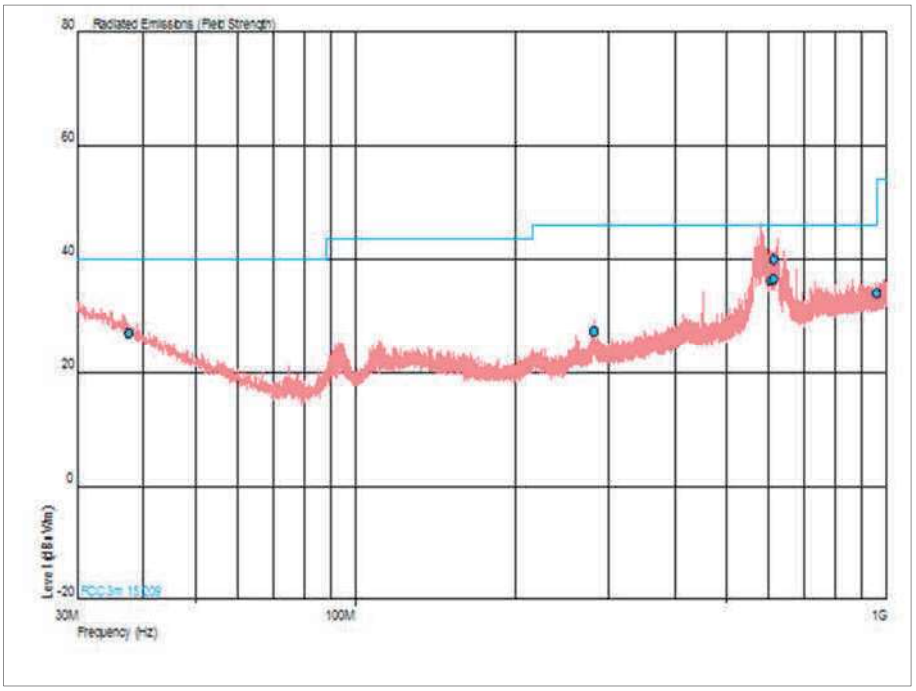

Figure 494 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 322 - U-NII 3 - 5785 MHz - 1 GHz to 40 GHz

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

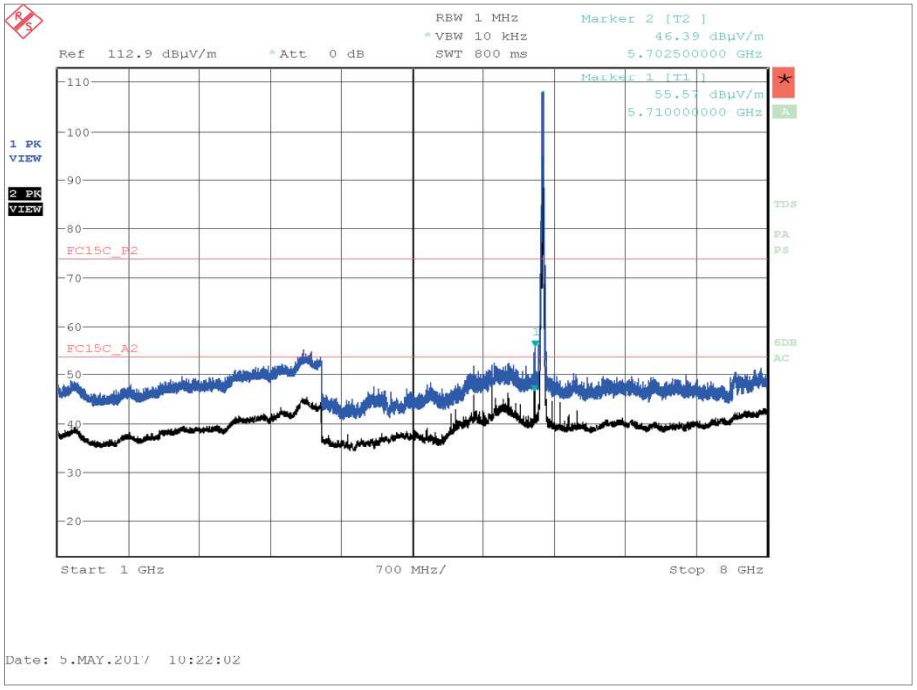

Figure 495 - U-NII 3 - 5785 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

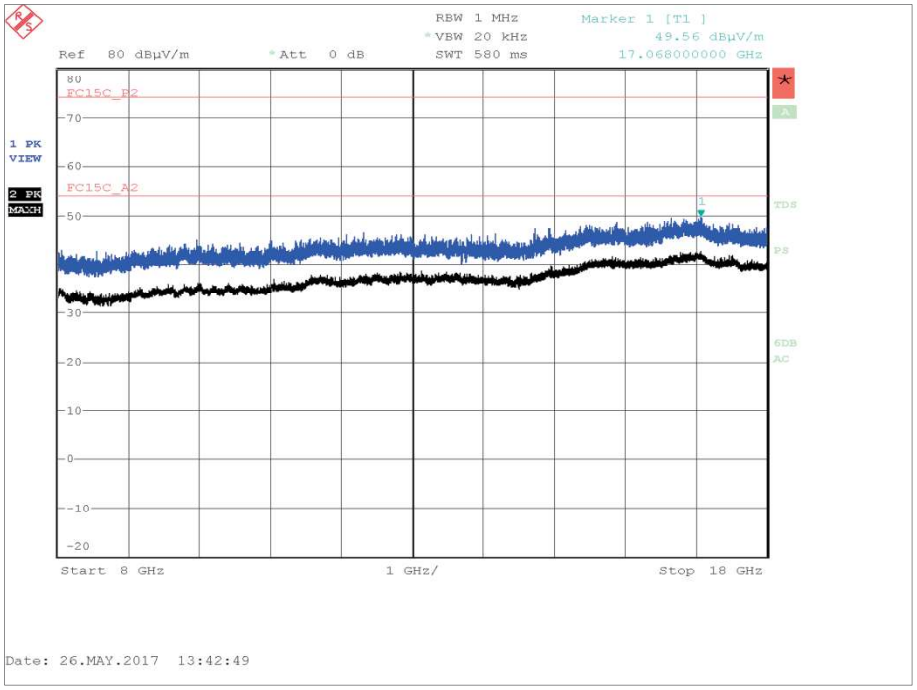

Figure 496 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

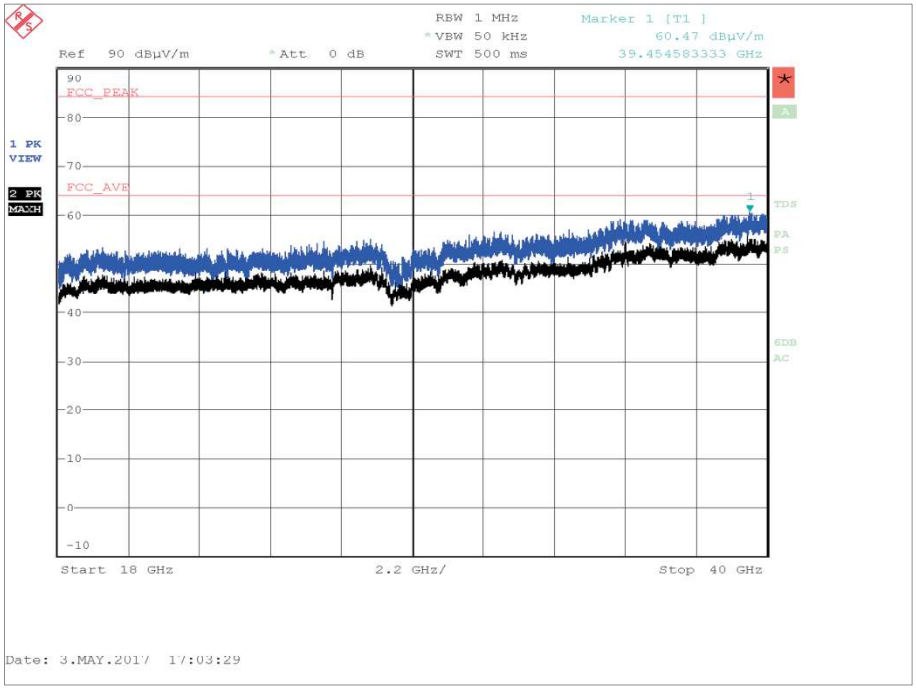

Figure 497 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	27.0	40.0	-13.0	135	1.00	Horizontal
281.277	27.8	46.0	-18.2	57	1.00	Vertical
608.000	34.5	46.0	-11.5	183	1.00	Vertical
612.692	40.4	46.0	-5.6	316	1.00	Vertical
614.000	36.7	46.0	-9.3	270	1.00	Vertical
960.000	33.9	46.0	-12.1	143	1.00	Vertical

Table 323 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

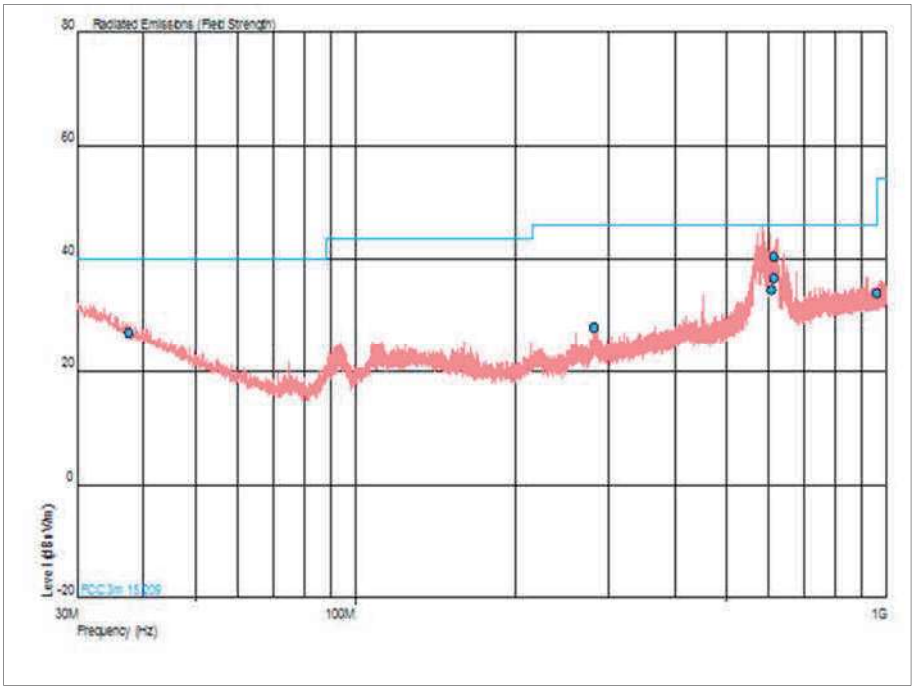

Figure 498 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

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

Table 324 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz

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

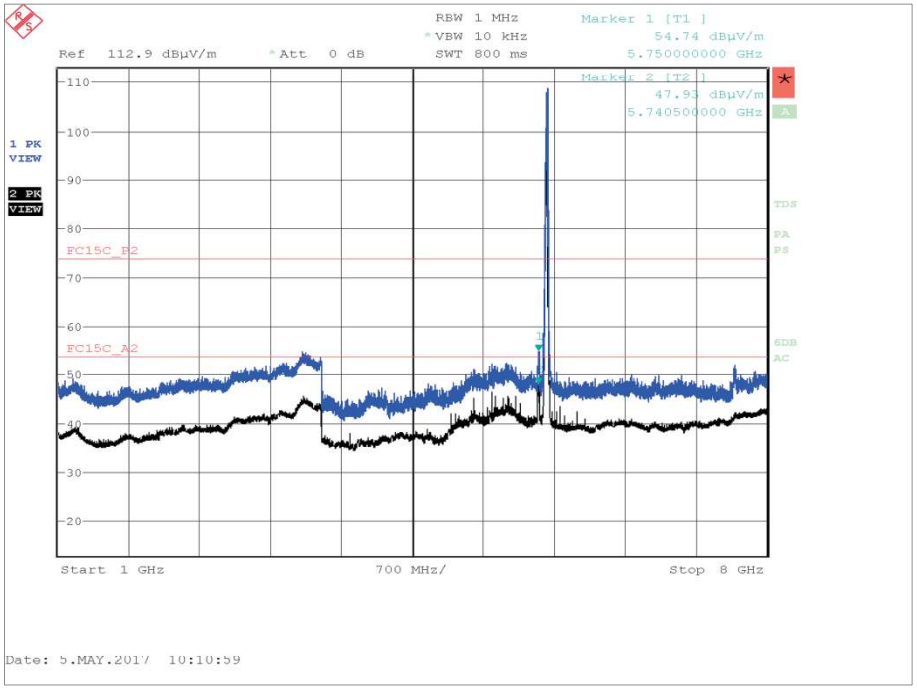

Figure 499 - U-NII 3 - 5825 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

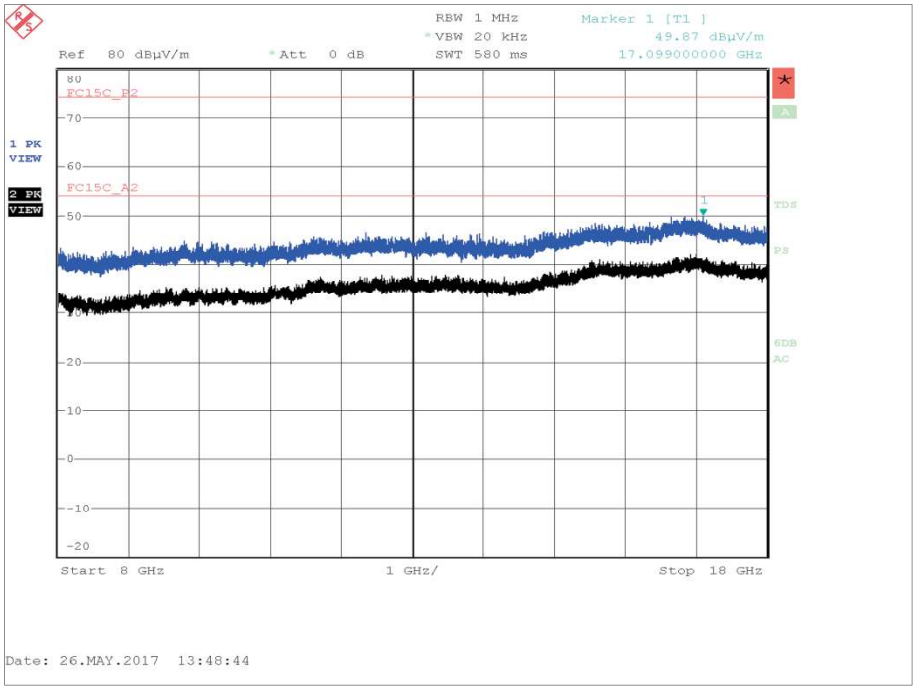

Figure 500 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

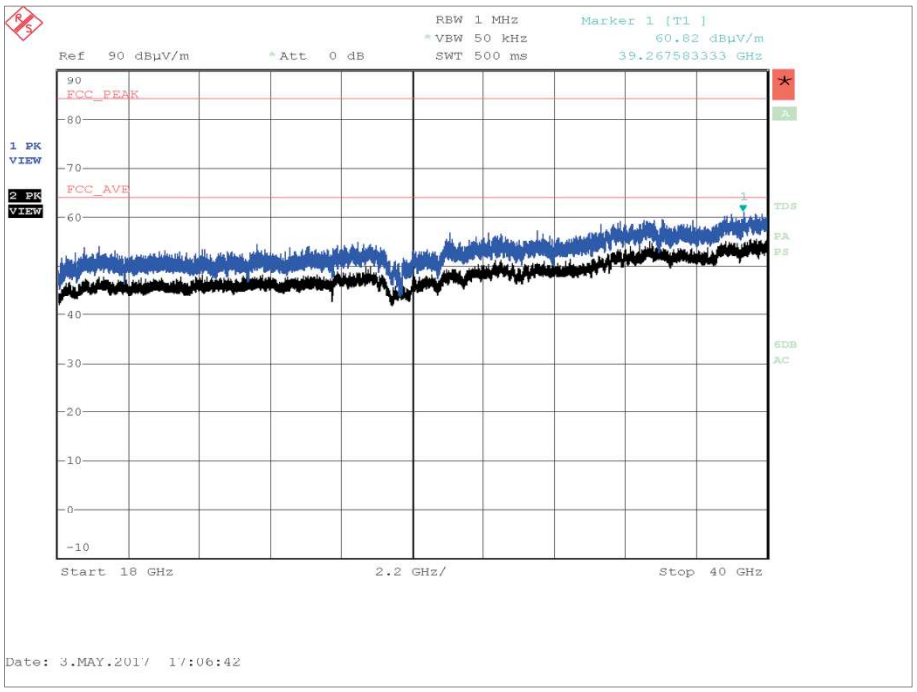

Figure 501 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

FCC 47 CFR Part 15E, Limit Clause 15.209

Frequency (MHz)	Field Strength (µV/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

Table 325

ANT793-8DK + 10m Cable - 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 MCS0.

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
30.944	29.8	40.0	-10.2	357	1.00	Vertical
37.500	26.9	40.0	-13.1	263	1.00	Vertical
608.000	36.2	46.0	-9.8	156	1.00	Vertical
612.702	40.8	46.0	-5.2	149	1.00	Vertical
614.000	39.4	46.0	-6.6	143	1.00	Vertical
960.000	33.9	46.0	-12.1	132	1.00	Vertical

Table 326 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz

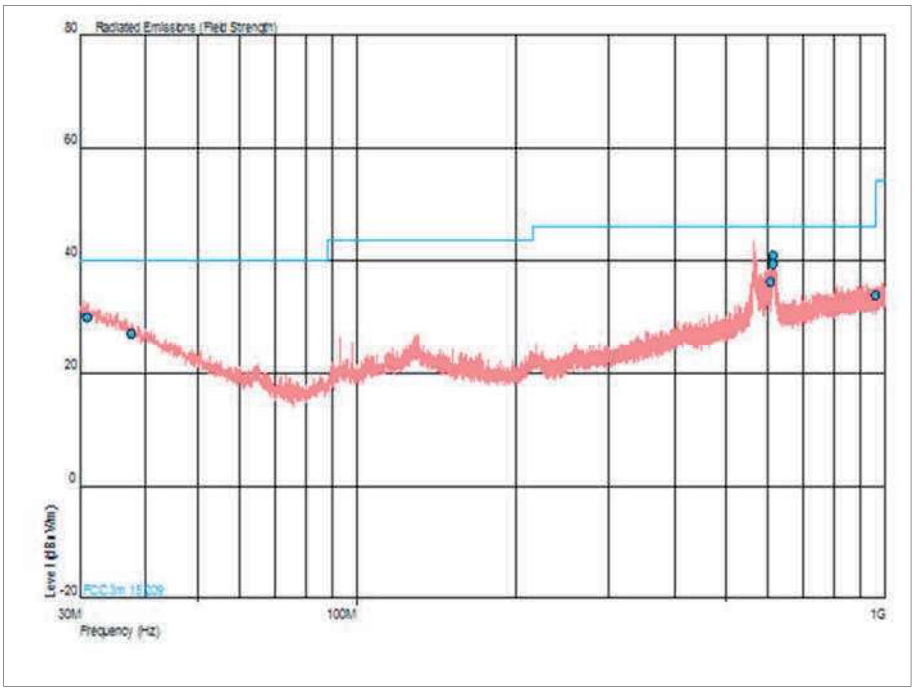

Figure 502 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.104106	1667.25	498.31	5000.00	500.00	3332.75	1.69
5.439957	893.31	331.51	5000.00	500.00	4106.69	168.49

Table 327 - U-NII 1 - 5180 MHz - 1 GHz to 40 GHz

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

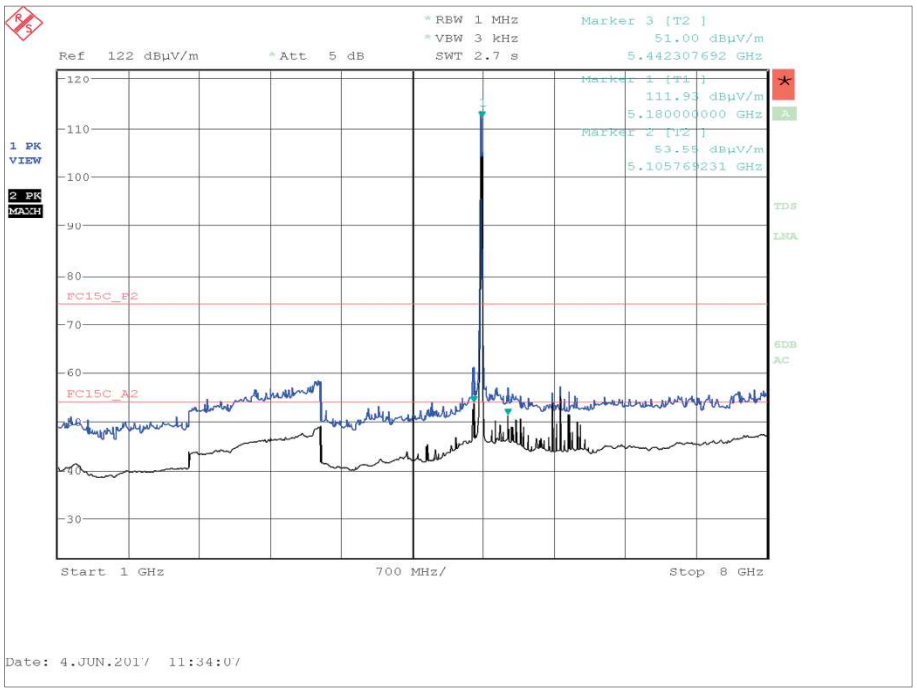

Figure 503 - U-NII 1 - 5180 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

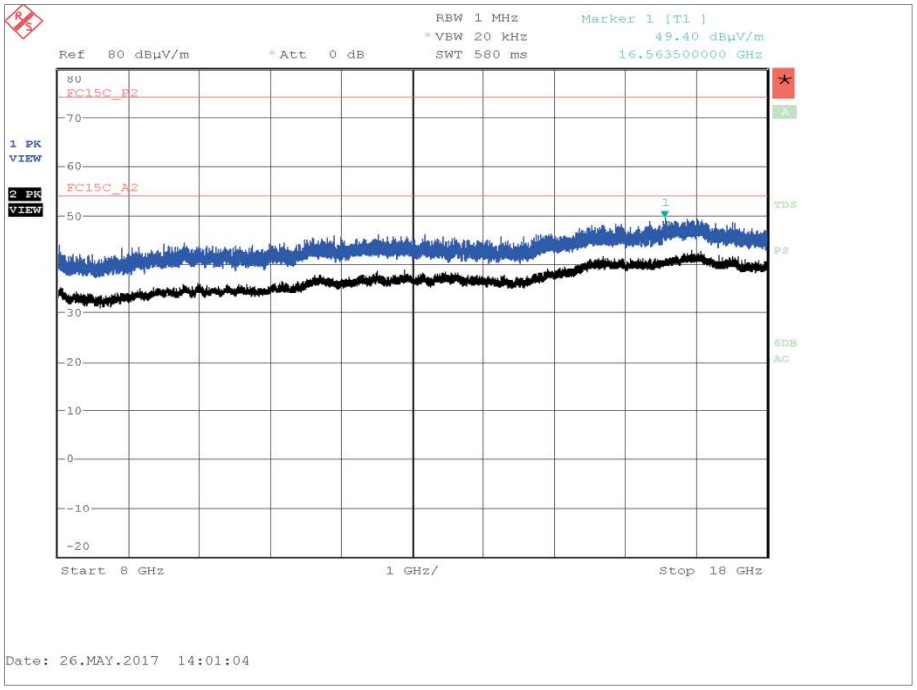

Figure 504 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

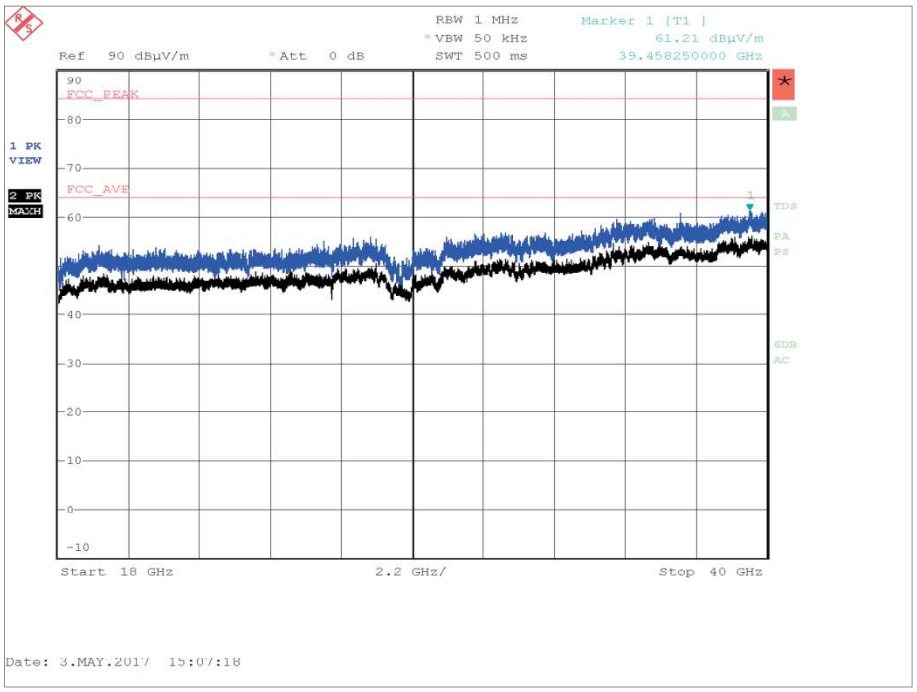

Figure 505 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

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	360	1.00	Vertical
281.347	28.6	46.0	-17.4	353	1.00	Vertical
608.000	36.9	46.0	-9.1	0	1.77	Vertical
608.000	37.6	46.0	-8.4	161	1.00	Vertical
612.577	40.4	46.0	-5.6	165	1.00	Vertical
960.000	33.9	46.0	-12.1	18	1.00	Vertical

Table 328 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

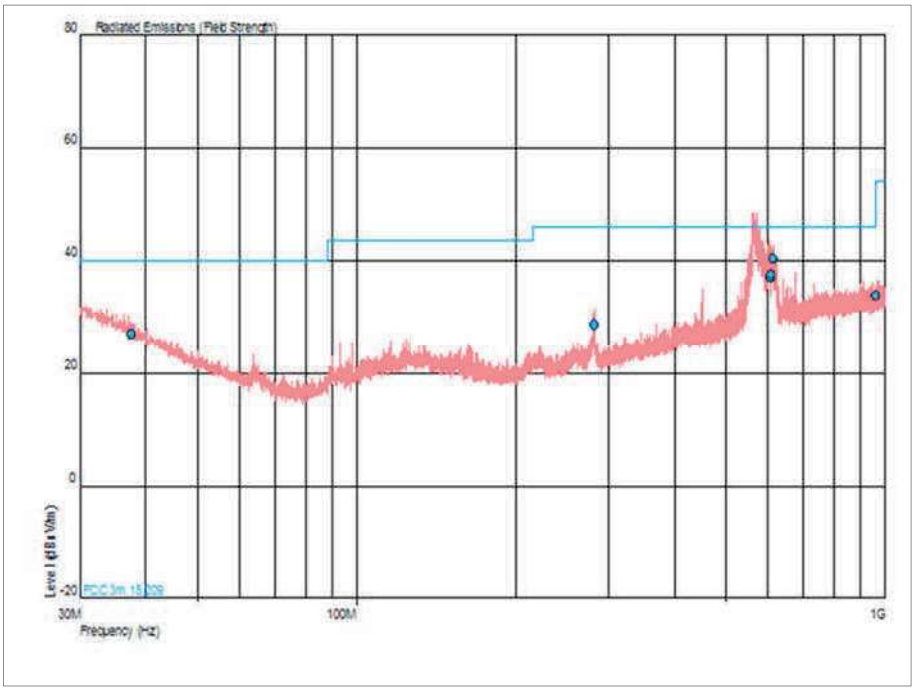

Figure 506 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.120898	1644.37	473.70	5000.00	500.00	3355.63	26.30
5.440013	864.97	363.50	5000.00	500.00	4135.03	136.50

Table 329 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz

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

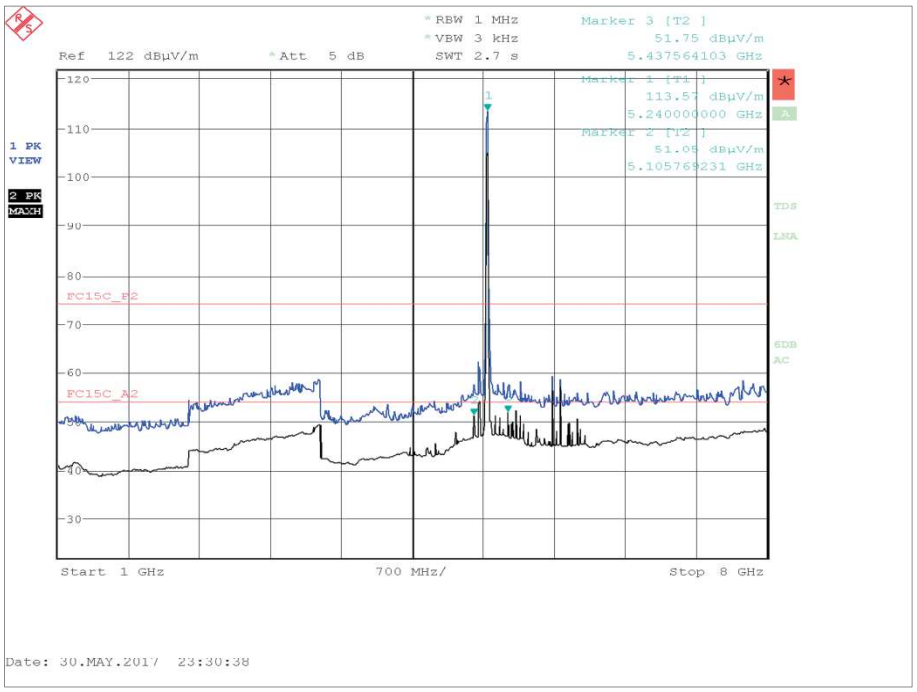

Figure 507 - U-NII 1 - 5200 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

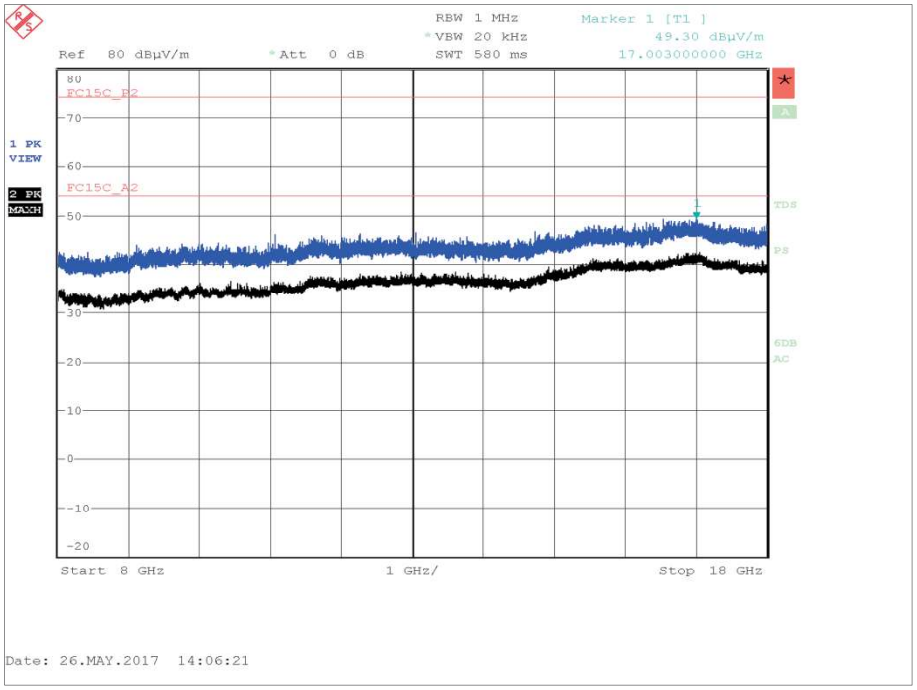

Figure 508 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

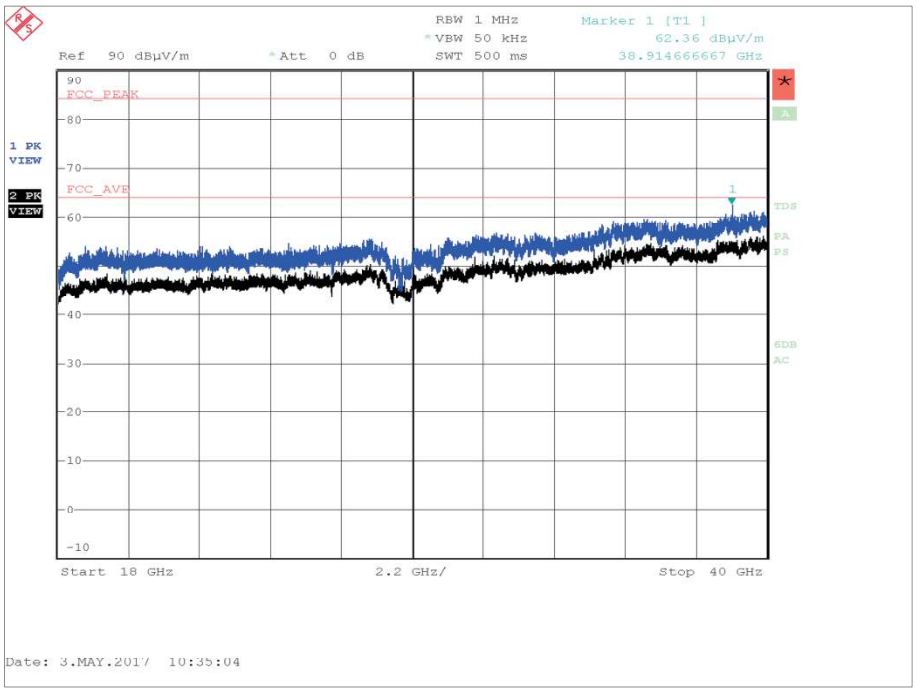

Figure 509 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
30.877	29.8	40.0	-10.2	360	3.01	Vertical
37.500	26.9	40.0	-13.1	256	1.00	Vertical
608.000	35.3	46.0	-10.7	142	1.00	Vertical
612.538	41.2	46.0	-4.8	166	1.00	Vertical
614.000	38.3	46.0	-7.7	180	1.00	Vertical
960.000	33.9	46.0	-12.1	190	3.84	Vertical

Table 330 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz

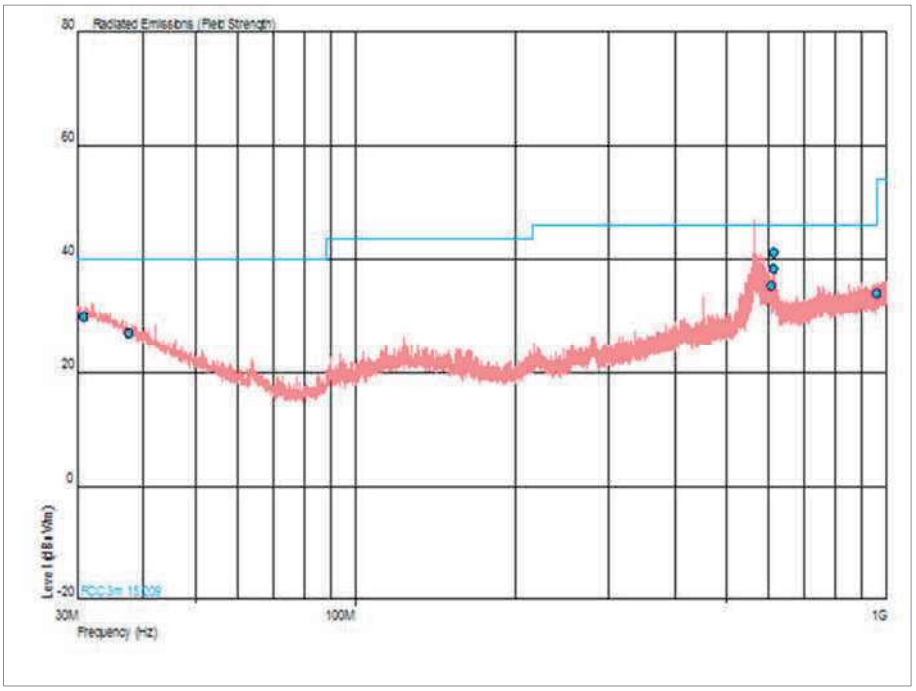

Figure 510 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.104584	1047.13	336.12	5000.00	500.00	3952.87	163.88
5.439903	957.19	369.40	5000.00	500.00	4042.81	130.60

Table 331 - U-NII 1 - 5240 MHz - 1 GHz to 40 GHz

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

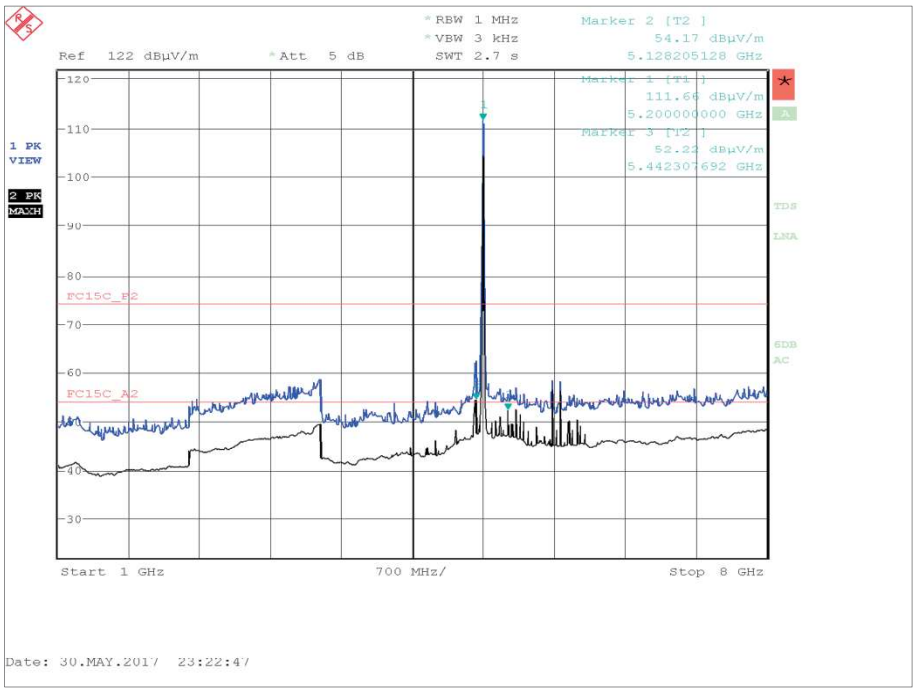

Figure 511 - U-NII 1 - 5240 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

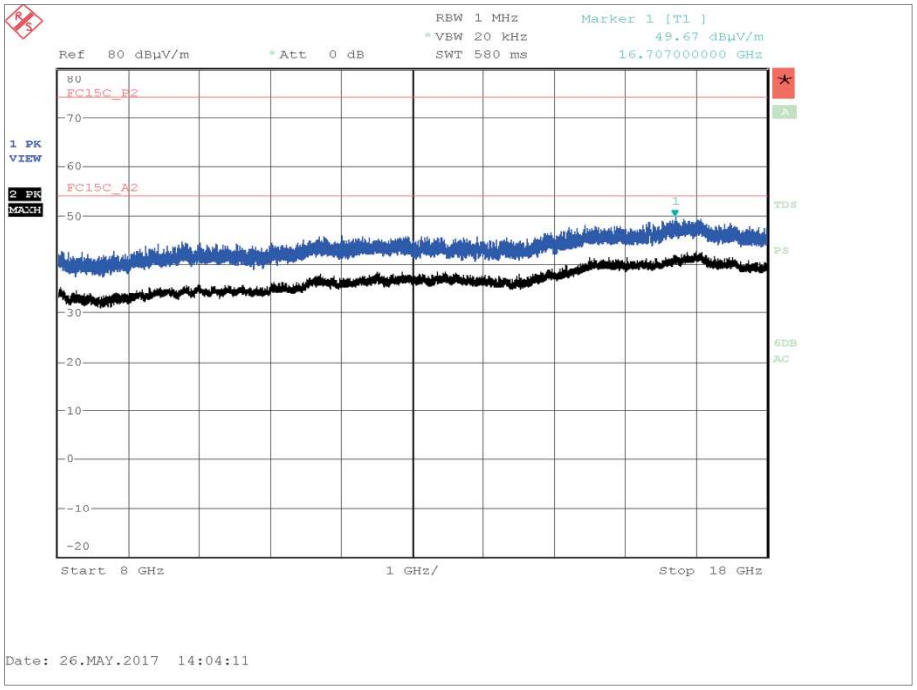

Figure 512 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

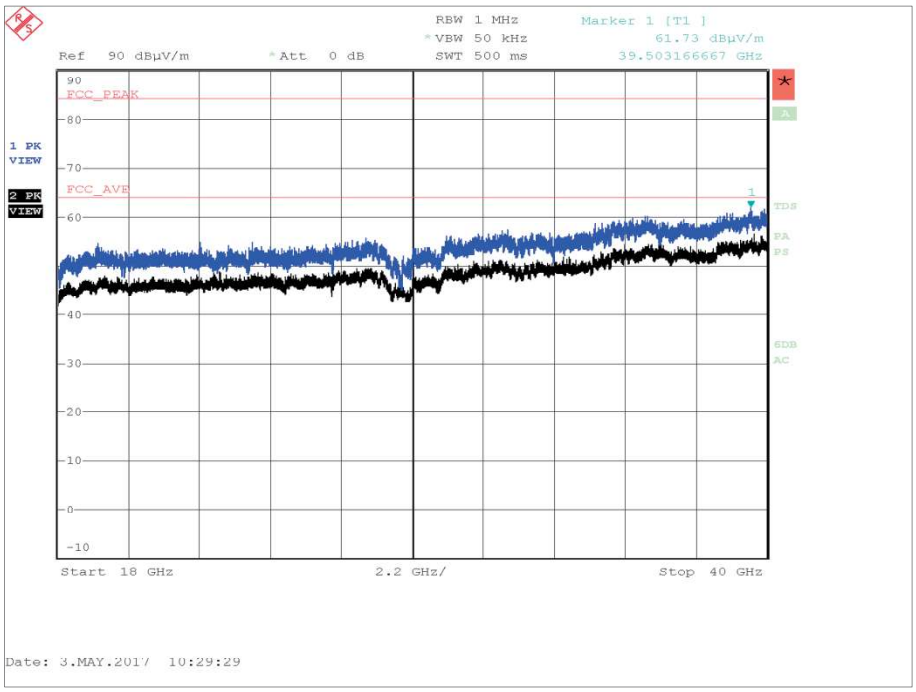

Figure 513 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	358	1.19	Vertical
281.306	27.2	46.0	-18.8	348	1.00	Vertical
608.000	37.2	46.0	-8.8	151	1.00	Vertical
613.010	41.3	46.0	-4.7	166	1.00	Vertical
614.000	40.4	46.0	-5.6	168	1.00	Vertical
960.000	33.9	46.0	-12.1	188	1.18	Vertical

Table 332 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz

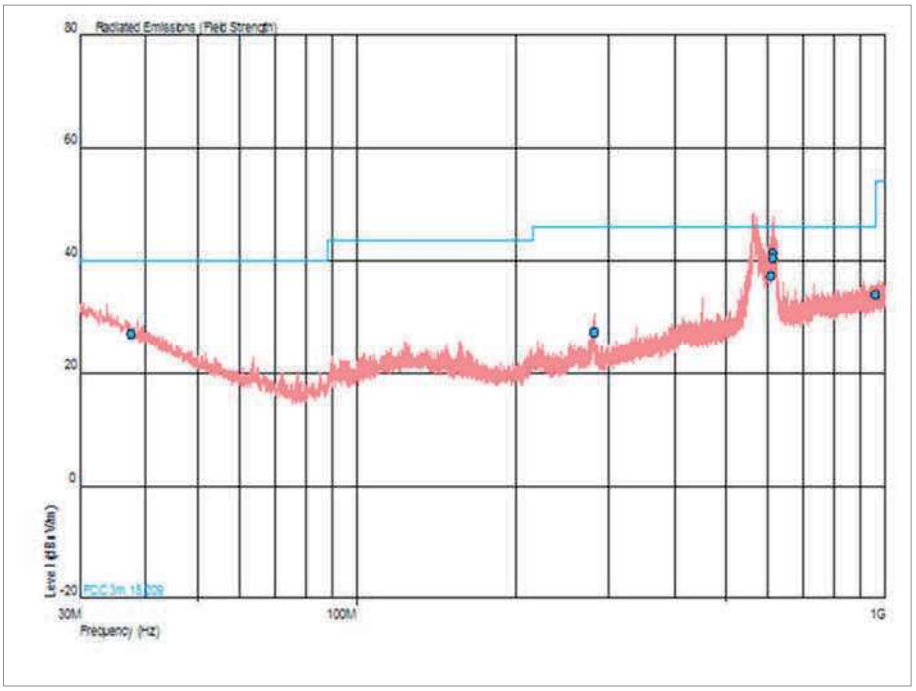

Figure 514 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.103935	1038.72	350.75	5000.00	500.00	3961.28	149.25
5.440013	936.48	375.84	5000.00	500.00	4063.52	124.15

Table 333 - U-NII 2a - 5260 - 1 GHz to 40 GHz - Emissions Results

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

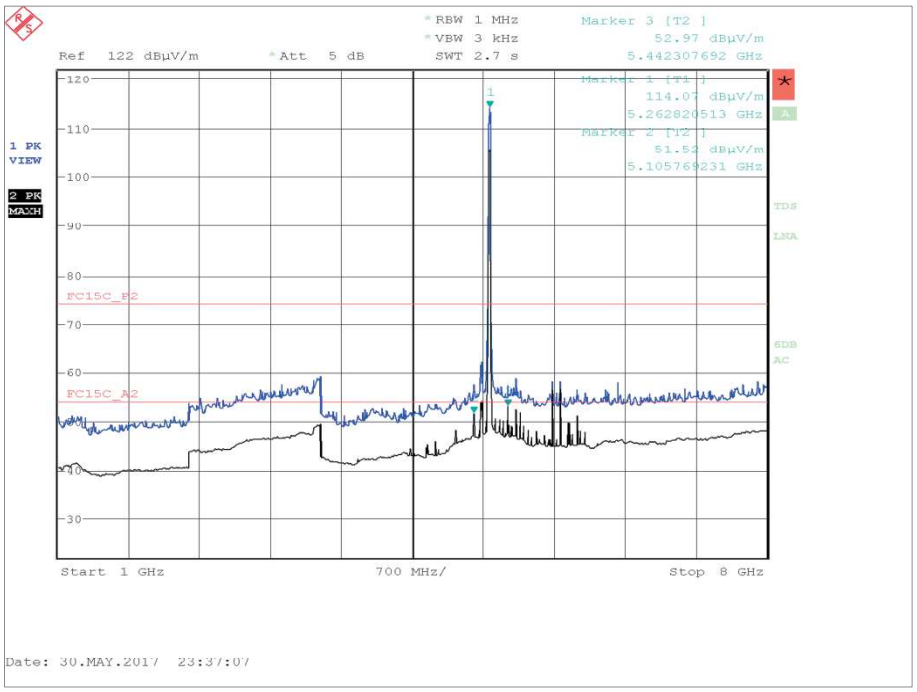

Figure 515 - U-NII 2a - 5260 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

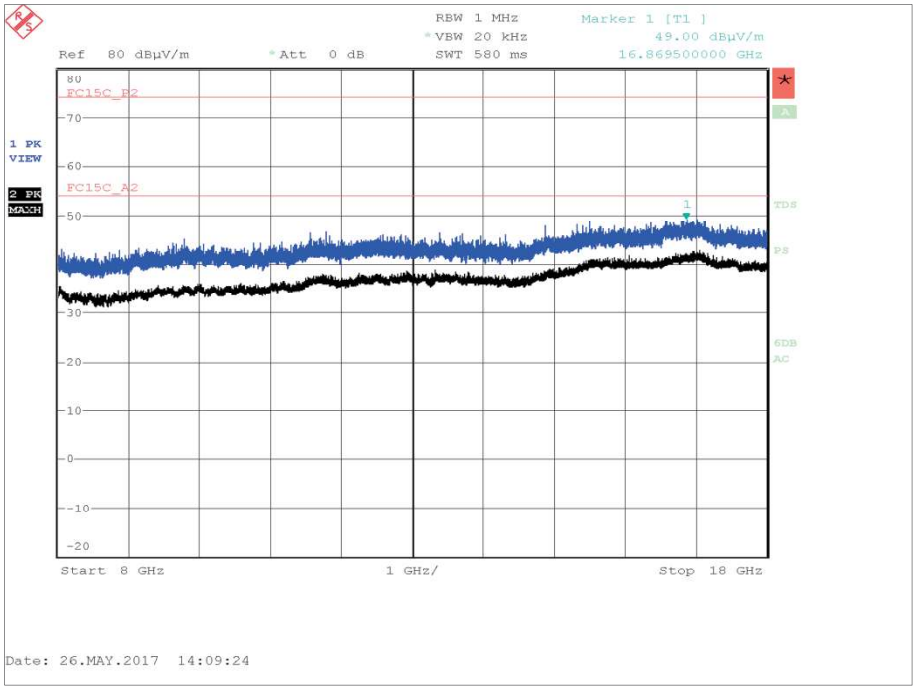

Figure 516 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

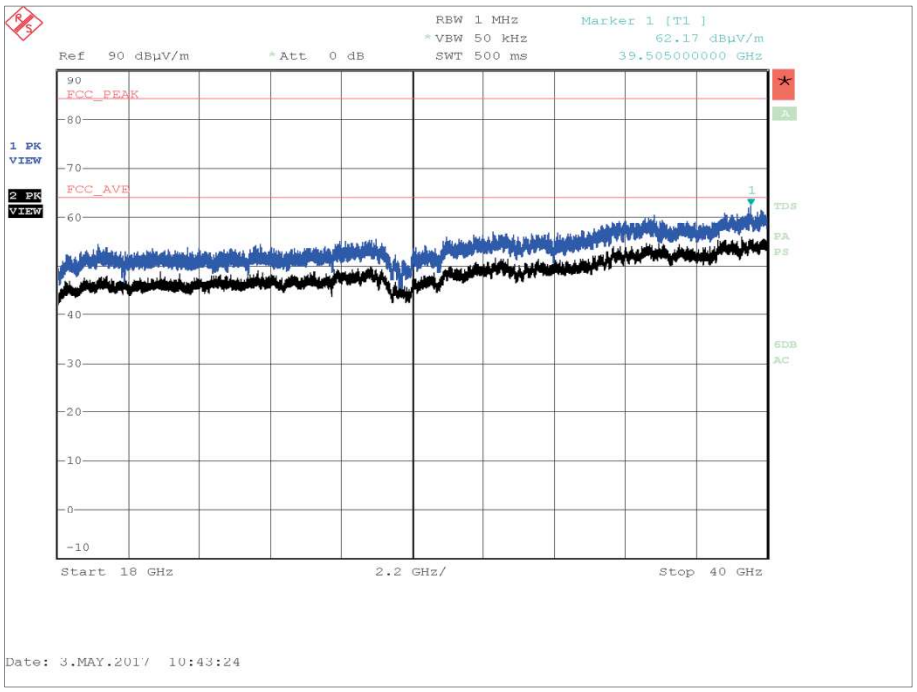

Figure 517 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.8	40.0	-13.2	137	1.00	Vertical
281.432	26.9	46.0	-19.1	360	1.00	Vertical
608.000	37.8	46.0	-8.2	158	1.00	Vertical
612.538	40.9	46.0	-5.1	175	1.00	Vertical
614.000	39.8	46.0	-6.2	173	1.00	Vertical
960.000	33.9	46.0	-12.1	320	1.00	Vertical

Table 334 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz

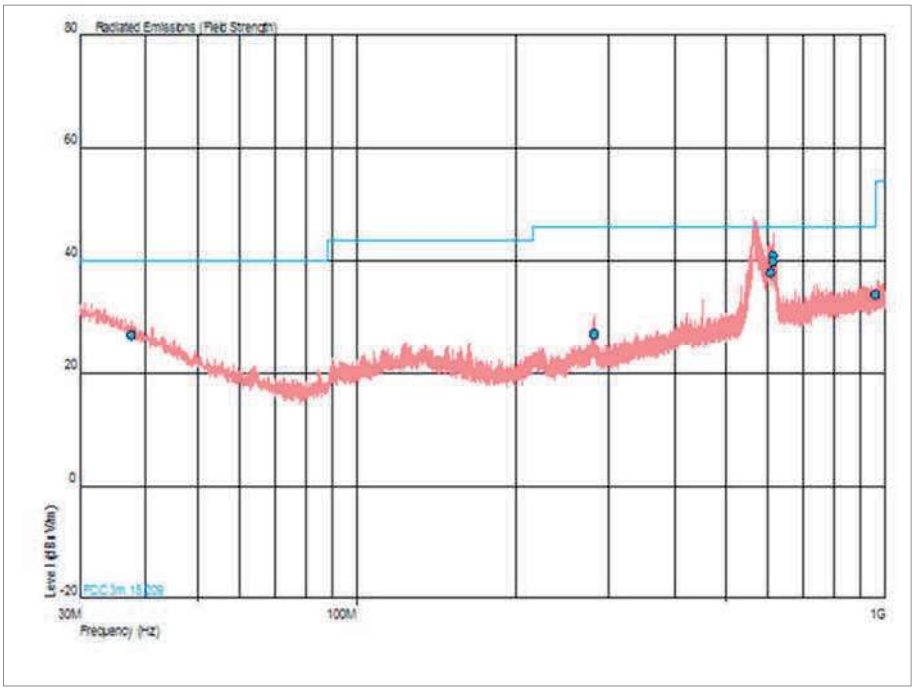

Figure 518 - U-NII 2a - 5300 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.103974	946.24	334.20	5000.00	500.00	4053.76	165.80
5.440047	1058.03	328.85	5000.00	500.00	3941.97	171.15

Table 335 - U-NII 2a - 5300 MHz - 1 GHz to 40 GHz

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

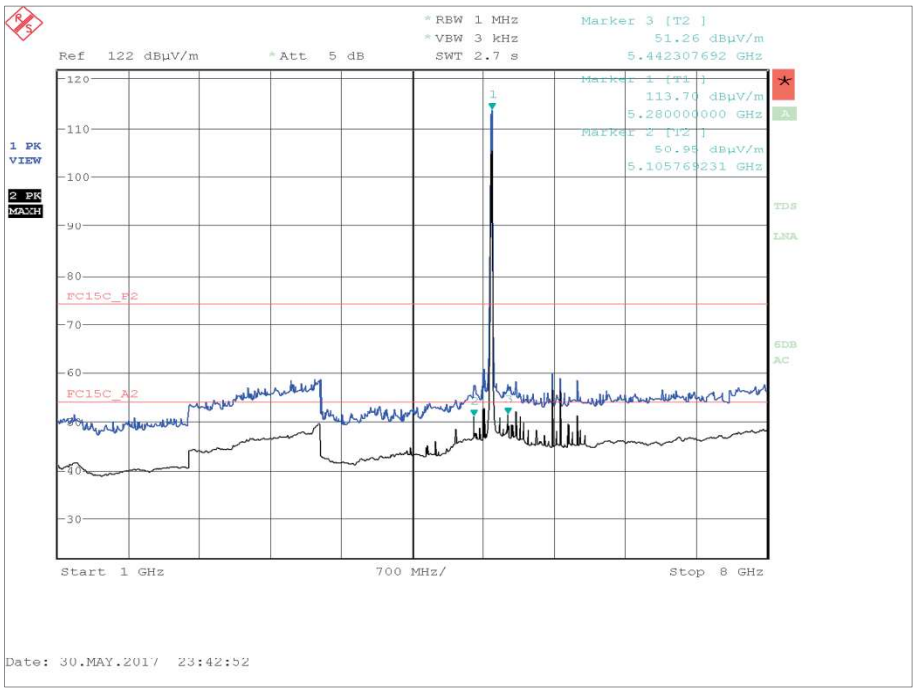

Figure 519 - U-NII 2a - 5300 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

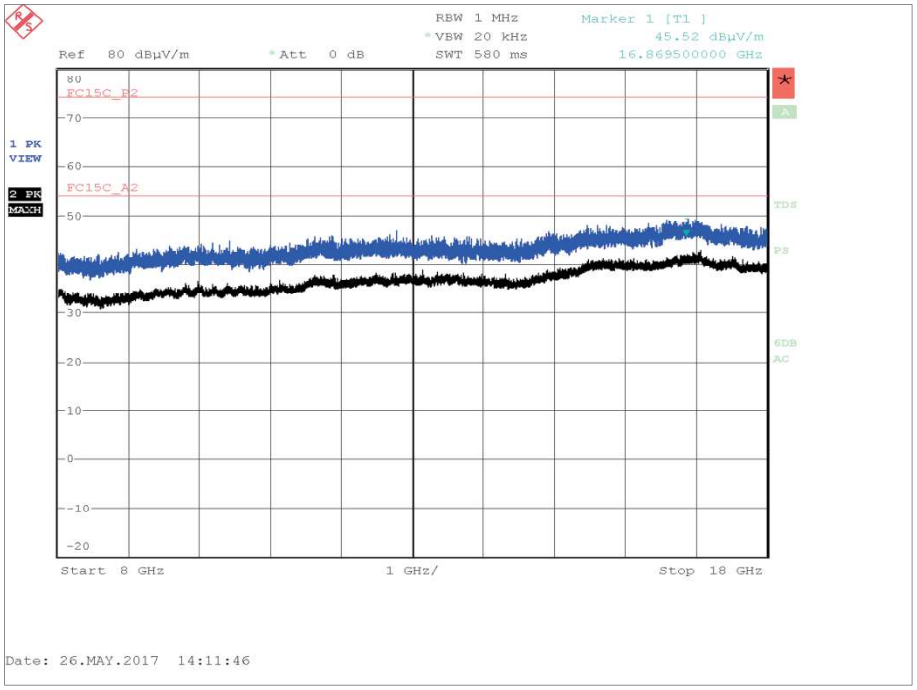

Figure 520 - U-NII 2a - 5300 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

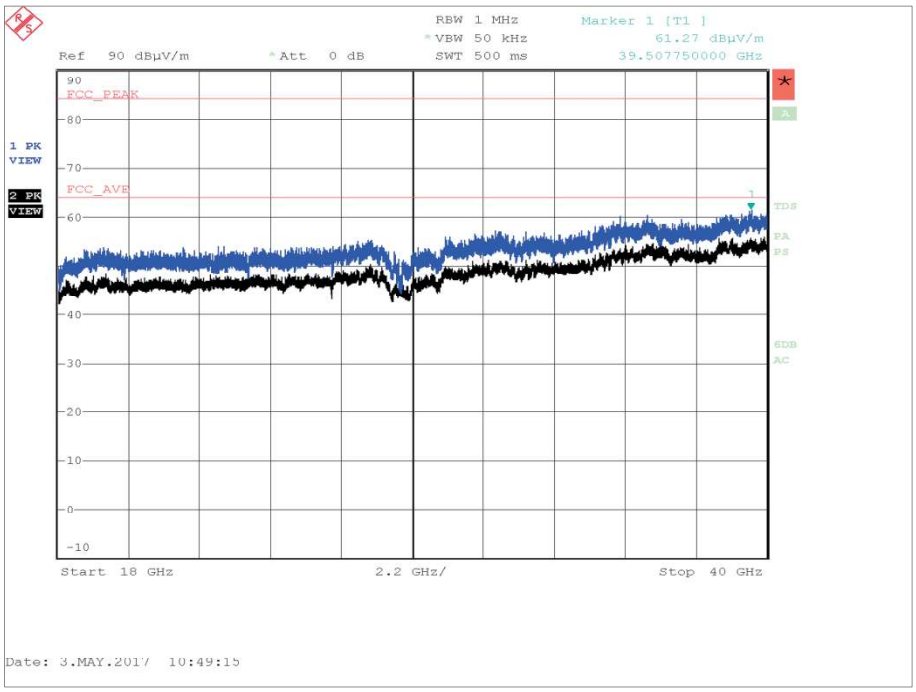

Figure 521 - U-NII 2a - 5300 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
35.000	27.9	40.0	-12.1	360	1.00	Vertical
281.220	25.8	46.0	-20.2	4	1.00	Vertical
608.000	35.8	46.0	-10.2	360	1.00	Vertical
612.404	41.2	46.0	-4.8	169	1.09	Vertical
614.000	39.4	46.0	-6.6	171	1.00	Vertical
960.000	33.9	46.0	-12.1	343	1.27	Vertical

Table 336 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz

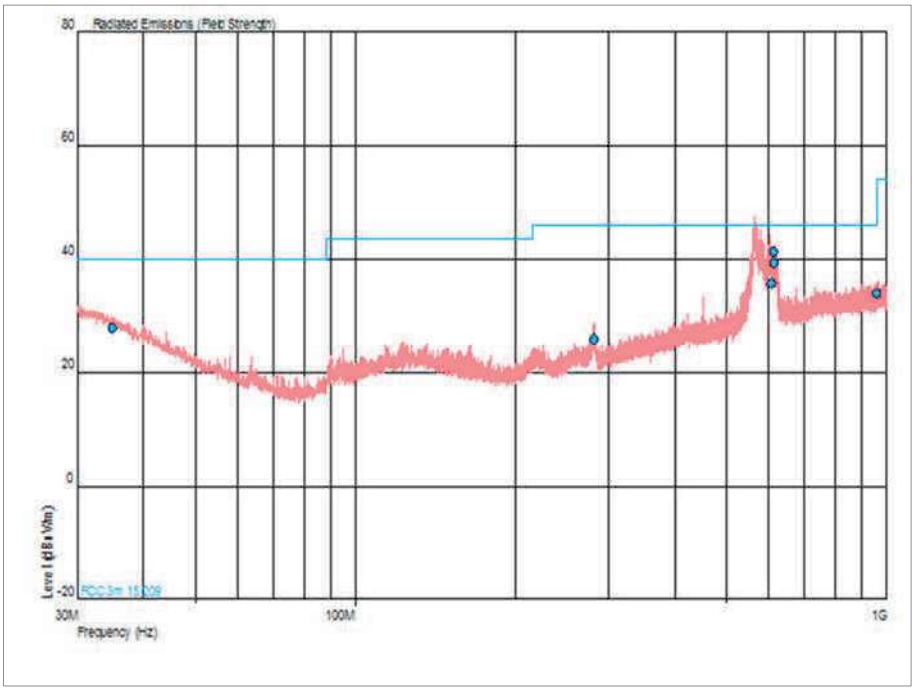

Figure 522 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.103994	696.63	232.54	5000.00	500.00	4303.37	267.46
5.440047	830.81	252.93	5000.00	500.00	4169.19	247.07

Table 337 - U-NII 2a - 5320 MHz - 1 GHz to 40 GHz

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

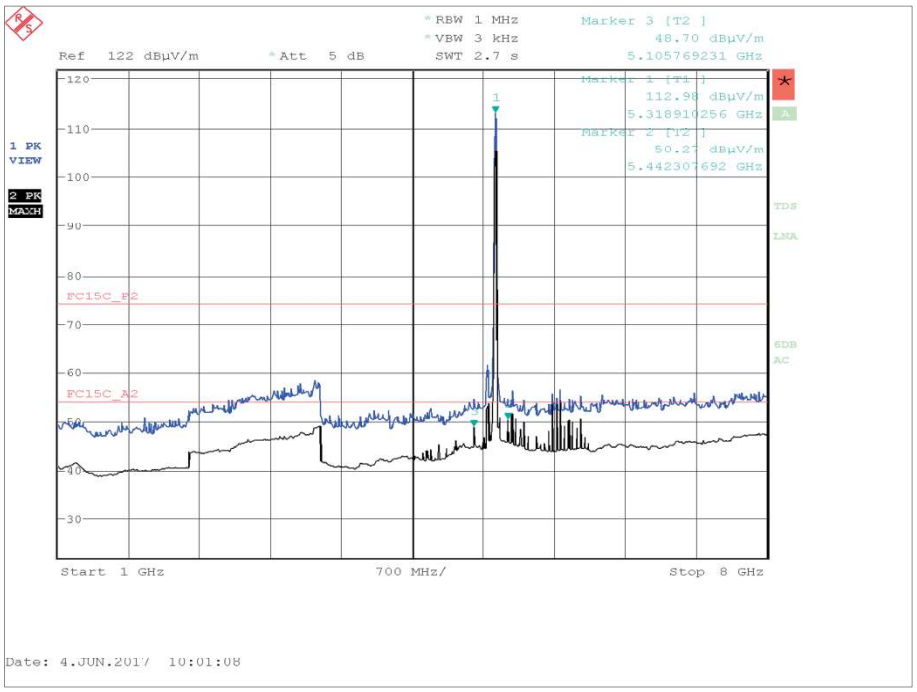

Figure 523 - U-NII 2a - 5320 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

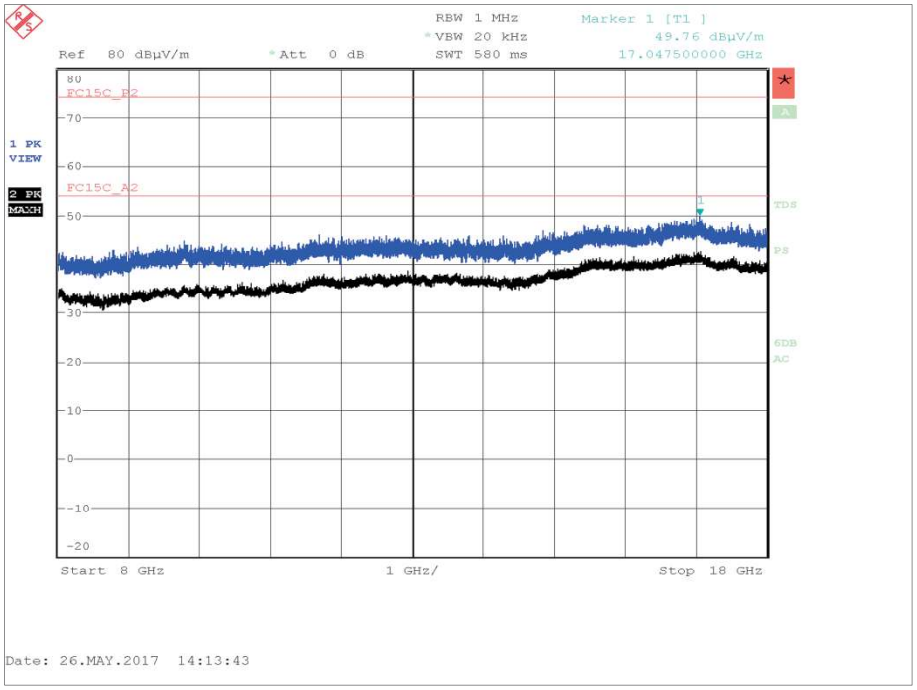

Figure 524 - U-NII 2a - 5320 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

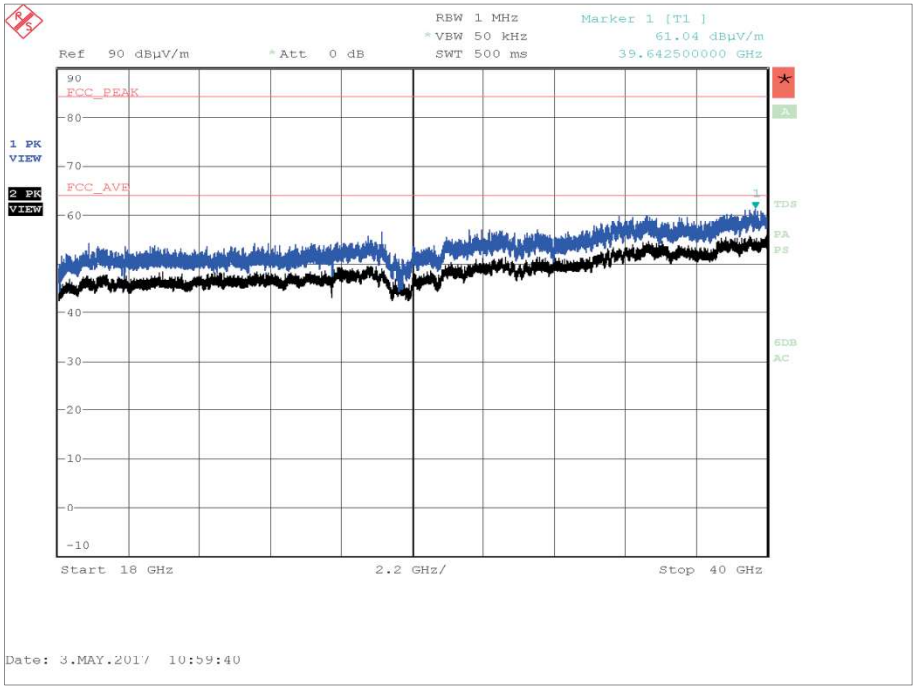

Figure 525 - U-NII 2a - 5320 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
32.136	29.4	40.0	-10.6	306	1.38	Vertical
37.500	26.8	40.0	-13.2	215	2.39	Vertical
608.000	37.8	46.0	-8.2	163	1.08	Vertical
612.144	40.0	46.0	-6.0	178	1.00	Vertical
614.000	37.5	46.0	-8.5	360	1.00	Vertical
960.000	33.9	46.0	-12.1	187	1.00	Vertical

Table 338 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz

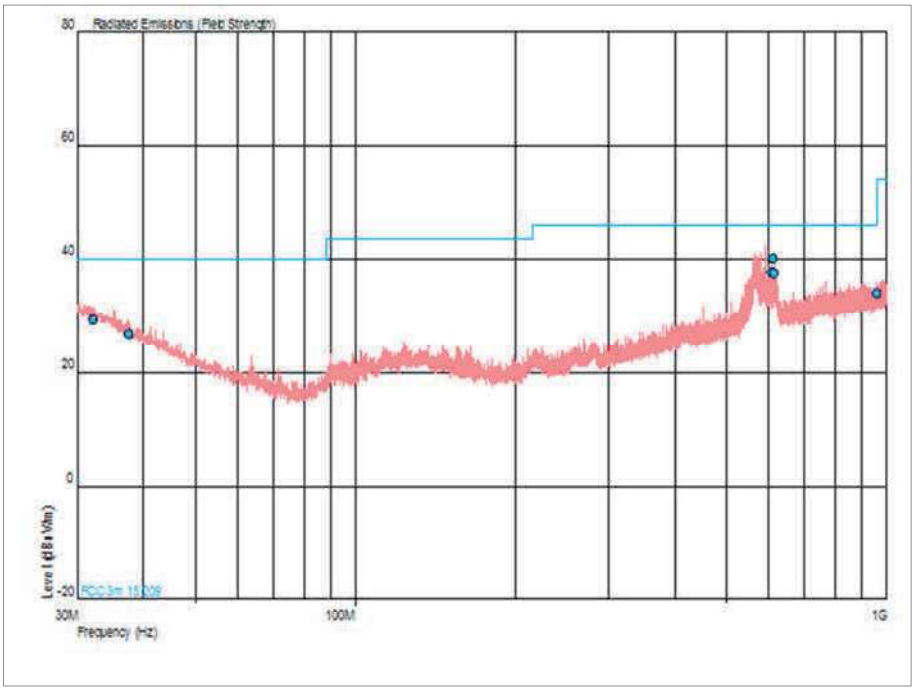

Figure 526 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.441167	1634.93	454.99	5000.00	500.00	3365.07	45.01

Table 339 - U-NII 2c - 5500 MHz - 1 GHz to 40 GHz

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

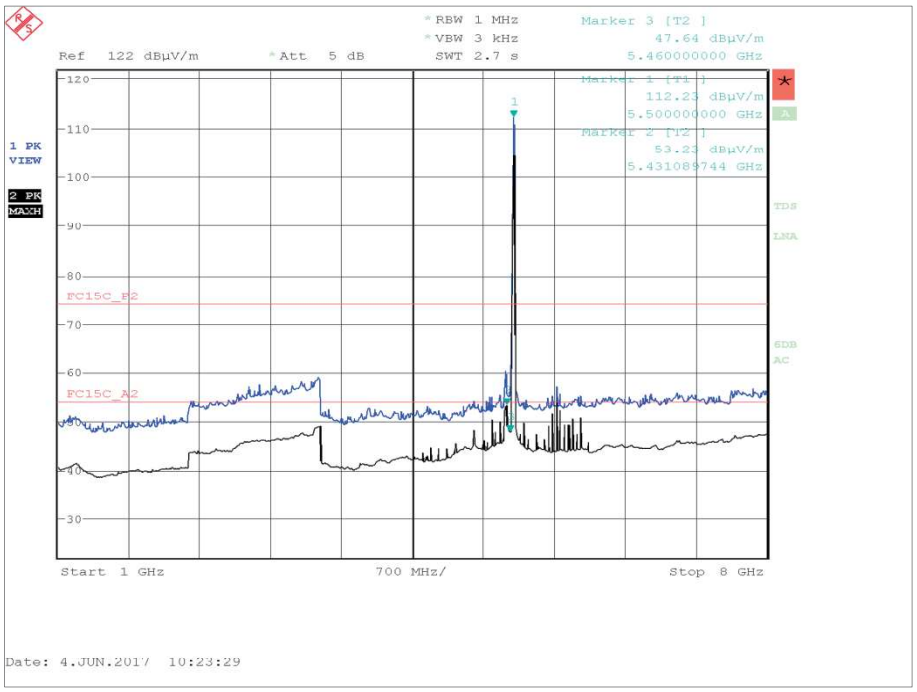

Figure 527 - U-NII 2c - 5500 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

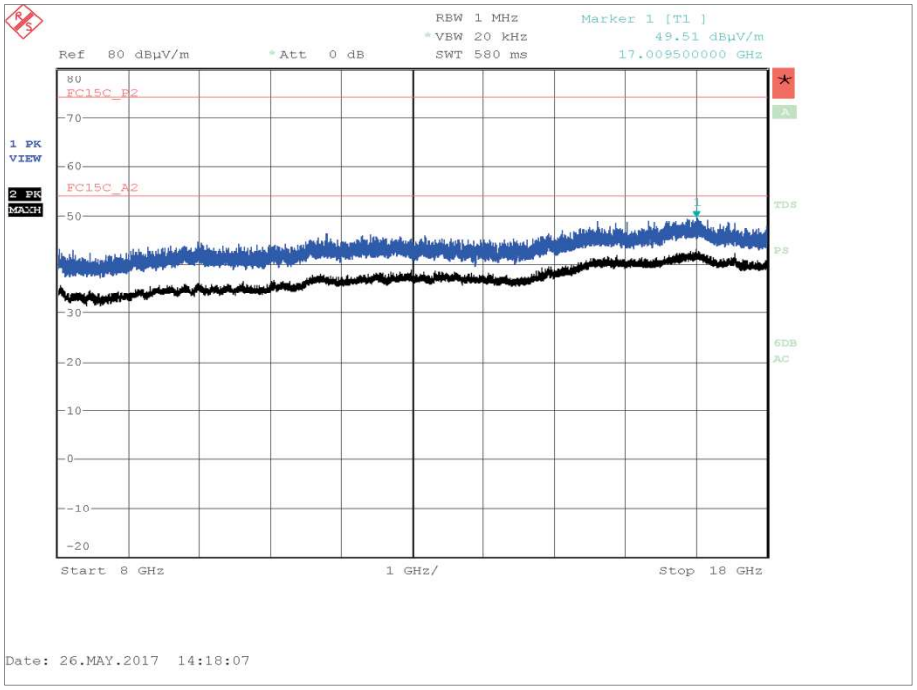

Figure 528 - U-NII 2c - 5500 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

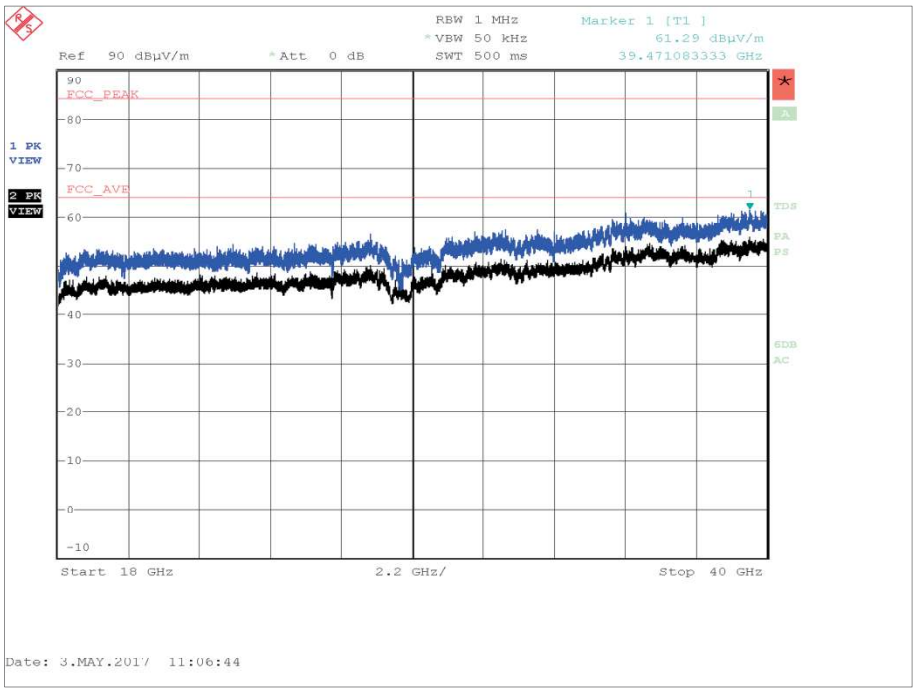

Figure 529 - U-NII 2c - 5500 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
37.500	26.9	40.0	-13.1	360	1.00	Horizontal
281.386	26.1	46.0	-19.9	177	1.00	Vertical
608.000	38.3	46.0	-7.7	161	1.00	Vertical
612.663	40.6	46.0	-5.4	178	1.00	Vertical
614.000	39.4	46.0	-6.6	172	1.00	Vertical
960.000	33.9	46.0	-12.1	286	2.10	Vertical

Table 340 - U-NII 2c - 5580 MHz - 30 MHz to 1 GHz

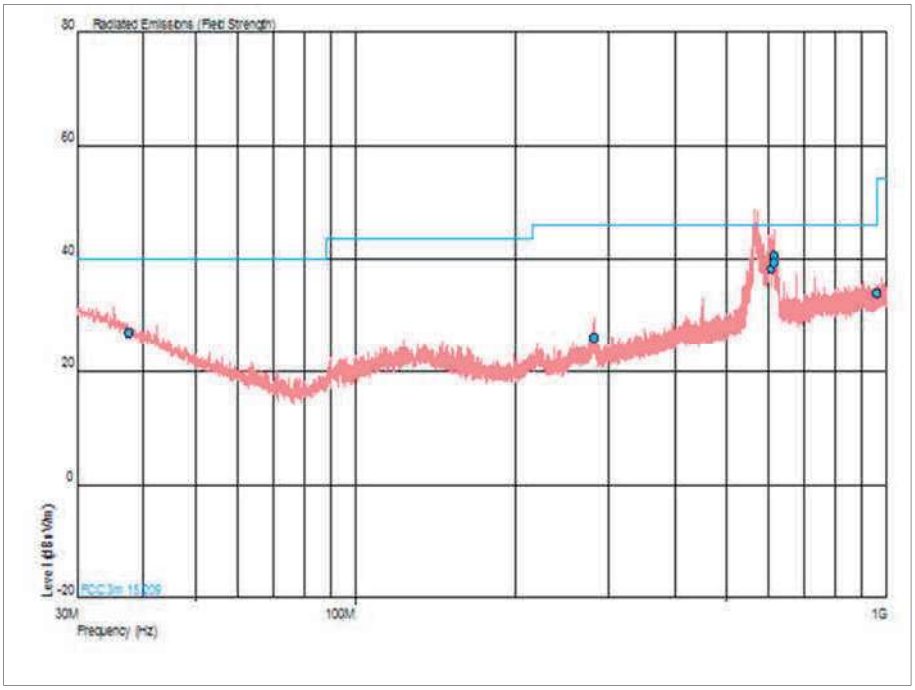

Figure 530 - U-NII 2c - 5580 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.360000	956.09	347.54	5000.00	500.00	4043.91	152.46
5.440037	964.97	246.32	5000.00	500.00	4135.03	253.68

Table 341 - U-NII 2c - 5580 MHz - 1 GHz to 40 GHz

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

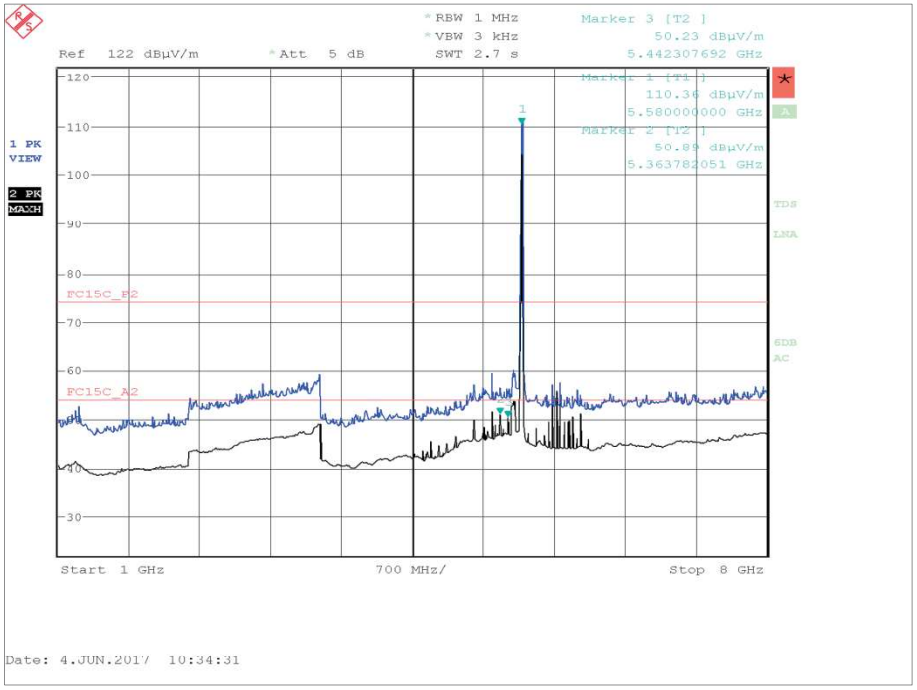

Figure 531 - U-NII 2c - 5580 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

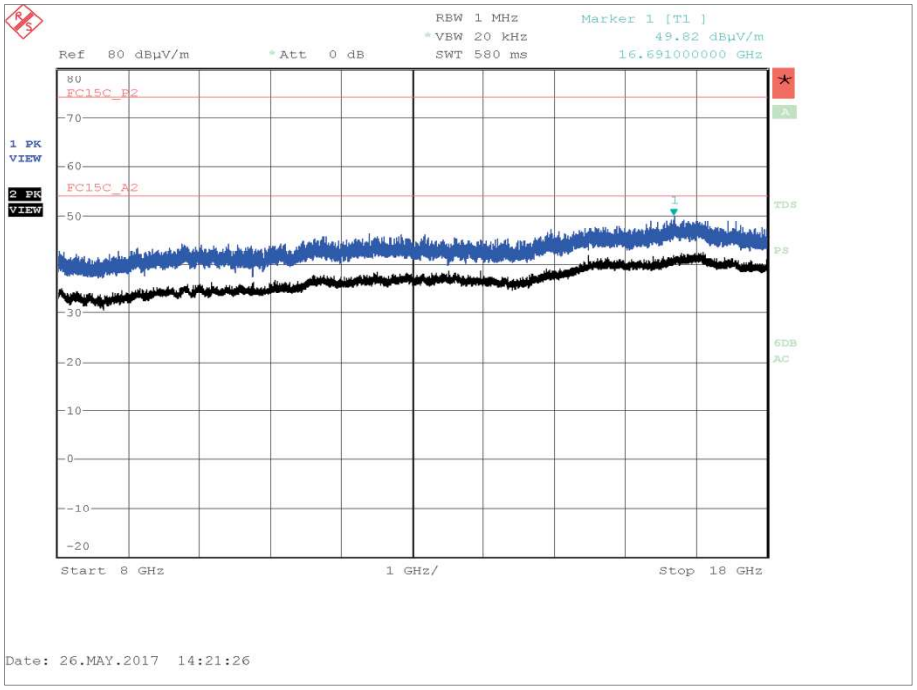

Figure 532 - U-NII 2c - 5580 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

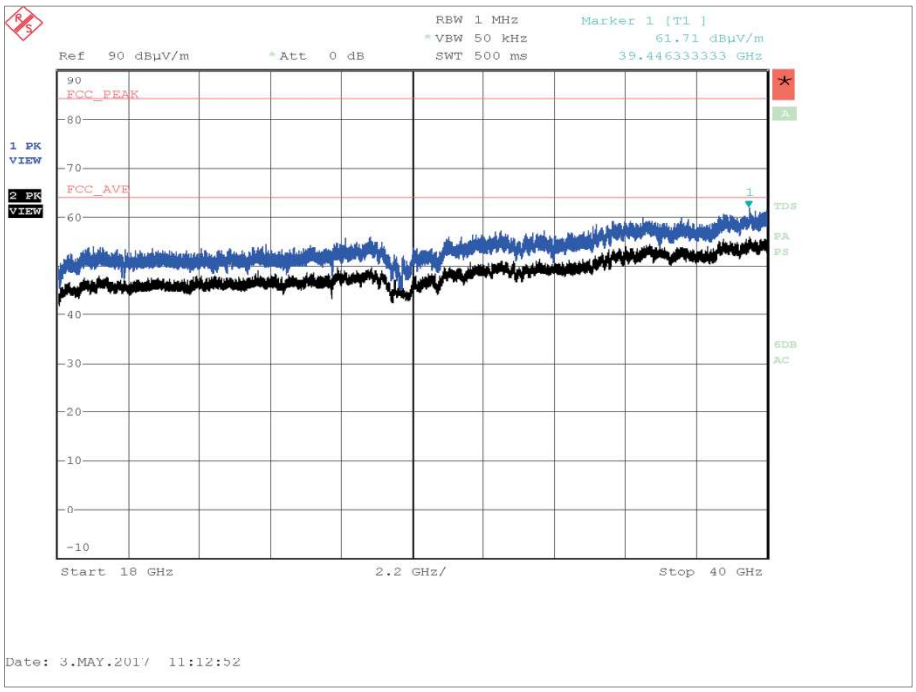

Figure 533 - U-NII 2c - 5580 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
31.224	30.0	40.0	-10.0	266	1.00	Vertical
37.500	27.0	40.0	-13.0	231	1.00	Vertical
608.000	37.0	46.0	-9.0	4	1.00	Vertical
612.385	40.9	46.0	-5.1	173	1.00	Vertical
614.000	39.5	46.0	-6.5	172	1.00	Vertical
960.000	33.9	46.0	-12.1	77	1.00	Vertical

Table 342 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz

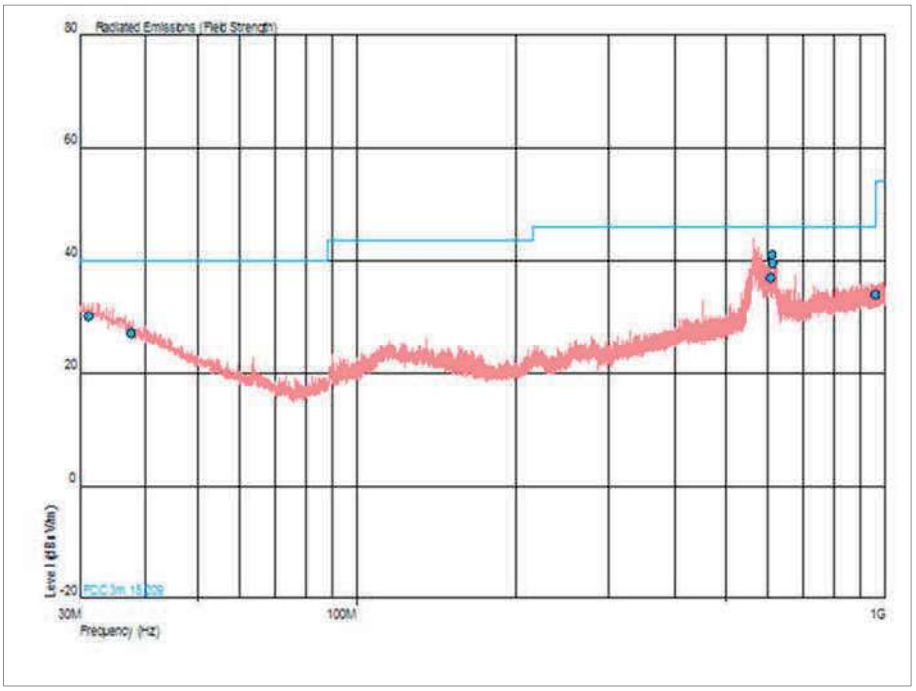

Figure 534 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.103958	903.65	355.63	5000.00	500.00	4096.35	144.37
5.360000	1088.93	390.84	5000.00	500.00	3911.07	109.16
5.440047	793.41	263.33	5000.00	500.00	4206.59	236.67

Table 343 - U-NII 2c - 5700 MHz - 1 GHz to 40 GHz

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

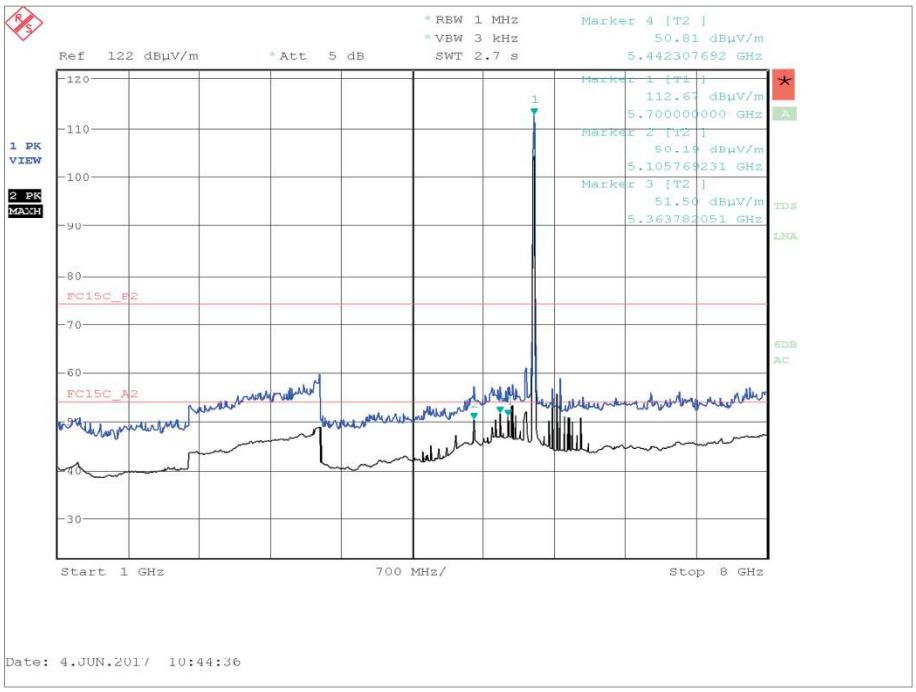

Figure 535 - U-NII 2c - 5700 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

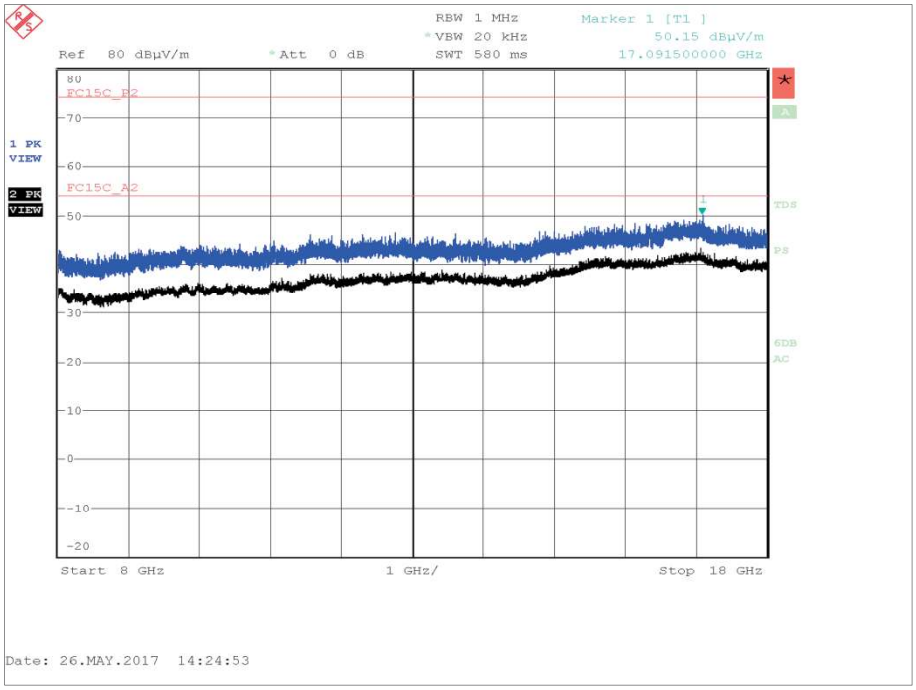

Figure 536 - U-NII 2c - 5700 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

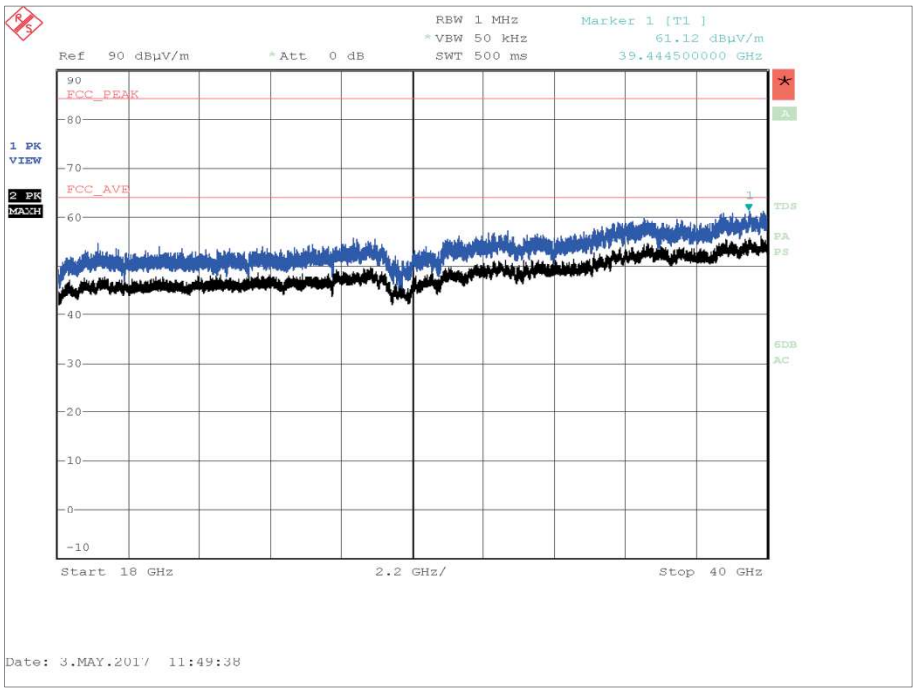

Figure 537 - U-NII 2c - 5700 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

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	246	1.00	Vertical
281.113	27.0	46.0	-19.0	0	1.00	Vertical
608.000	37.4	46.0	-8.6	164	1.00	Vertical
612.692	40.1	46.0	-5.9	164	1.00	Vertical
614.000	38.0	46.0	-8.0	164	1.00	Vertical
960.000	33.9	46.0	-12.1	360	1.00	Vertical

Table 344 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz

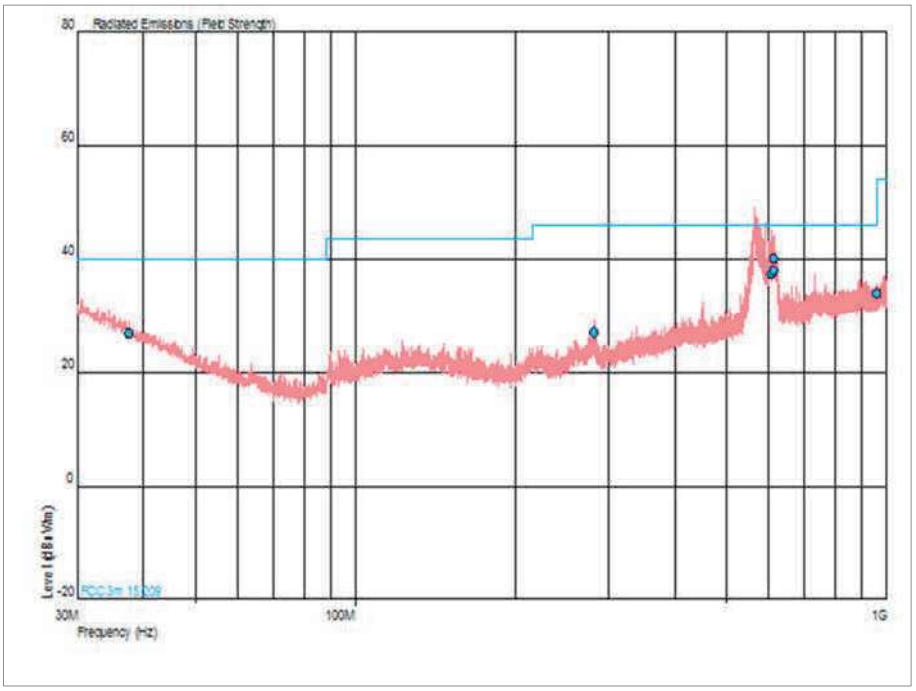

Figure 538 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.103974	1002.31	358.10	5000.00	500.00	3997.69	141.90
5.360001	1073.99	377.57	5000.00	500.00	3926.01	122.43
5.442047	1066.60	398.11	5000.00	500.00	3933.40	101.89

Table 345 - U-NII 3 - 5745 MHz - 1 GHz to 40 GHz

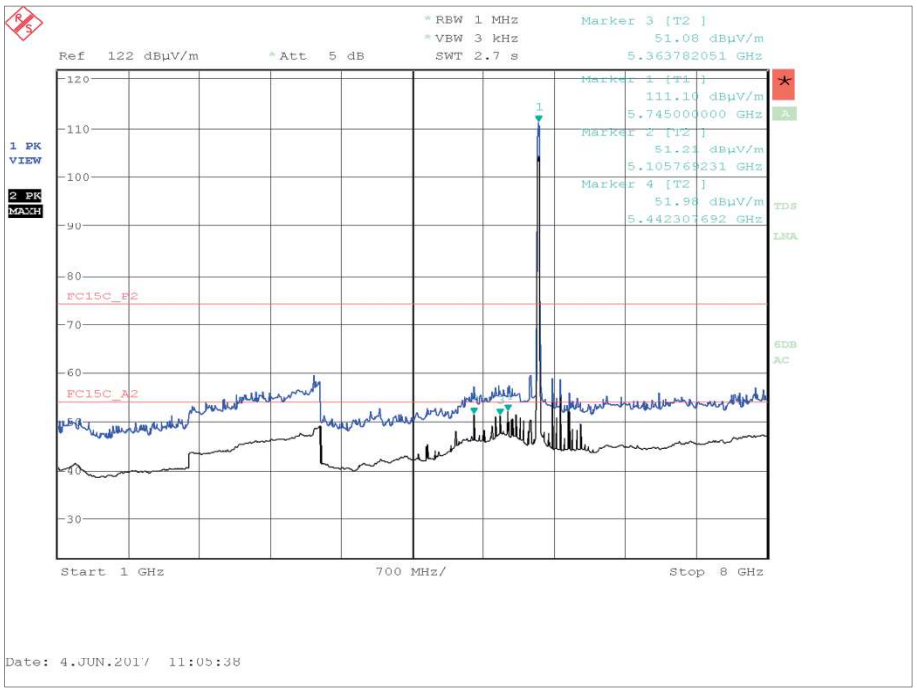

Figure 539 - U-NII 3 - 5745 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

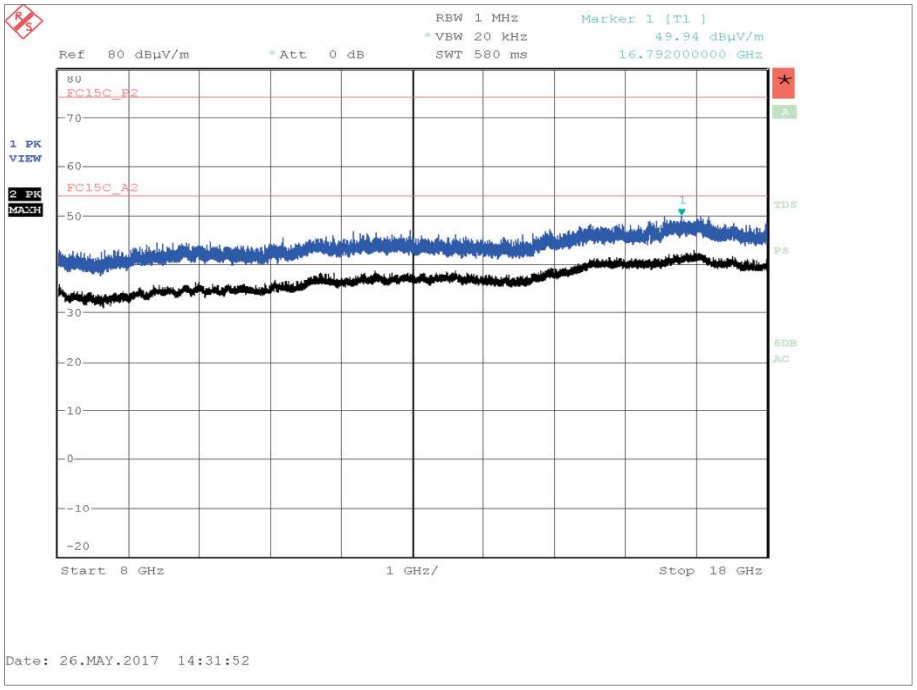

Figure 540 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

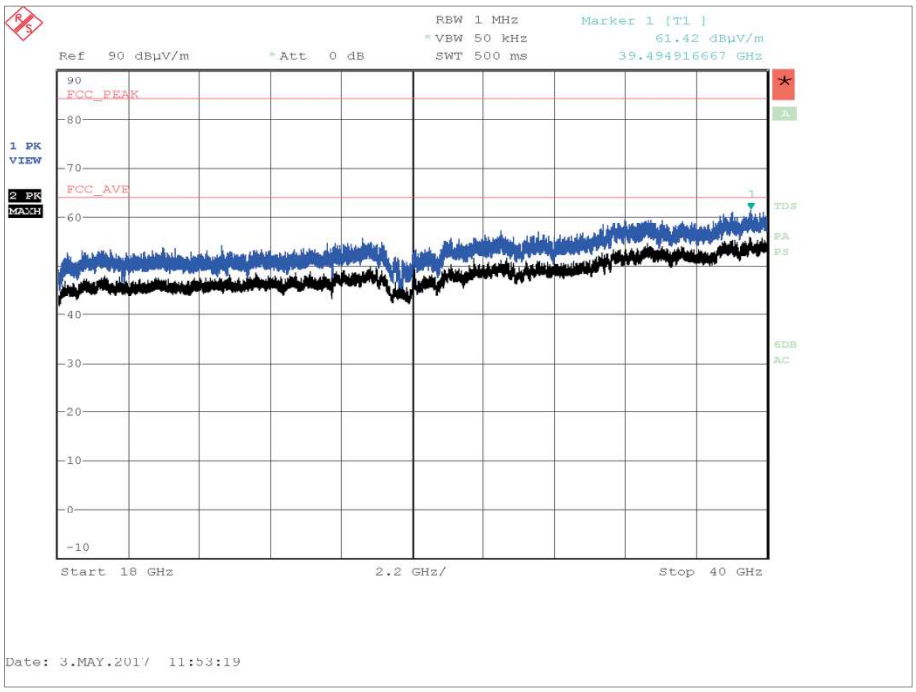

Figure 541 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
30.606	30.0	40.0	-10.0	35	1.00	Vertical
37.500	27.0	40.0	-13.0	259	1.00	Vertical
608.000	31.2	46.0	-14.8	0	1.00	Vertical
609.962	33.4	46.0	-12.6	185	1.00	Vertical
614.000	31.2	46.0	-14.8	162	1.00	Vertical
960.000	34.0	46.0	-12.0	77	1.00	Vertical

Table 346 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz

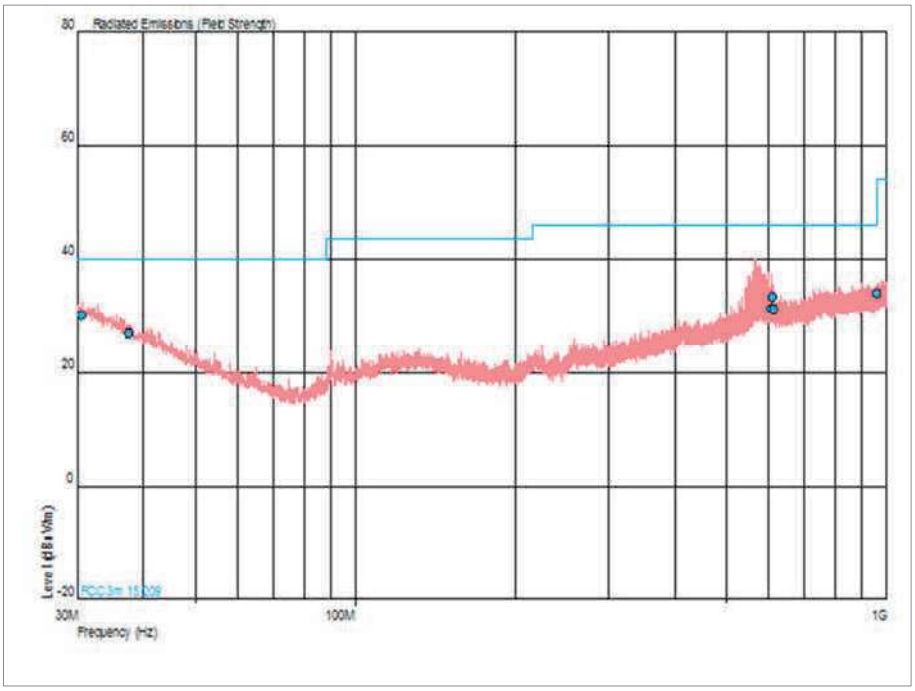

Figure 542 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.104016	1442.12	496.02	5000.00	500.00	3557.88	3.98
5.440047	1341.22	498.31	5000.00	500.00	3658.78	1.69

Table 347 - U-NII 3 - 5785 MHz - 1 GHz to 40 GHz

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

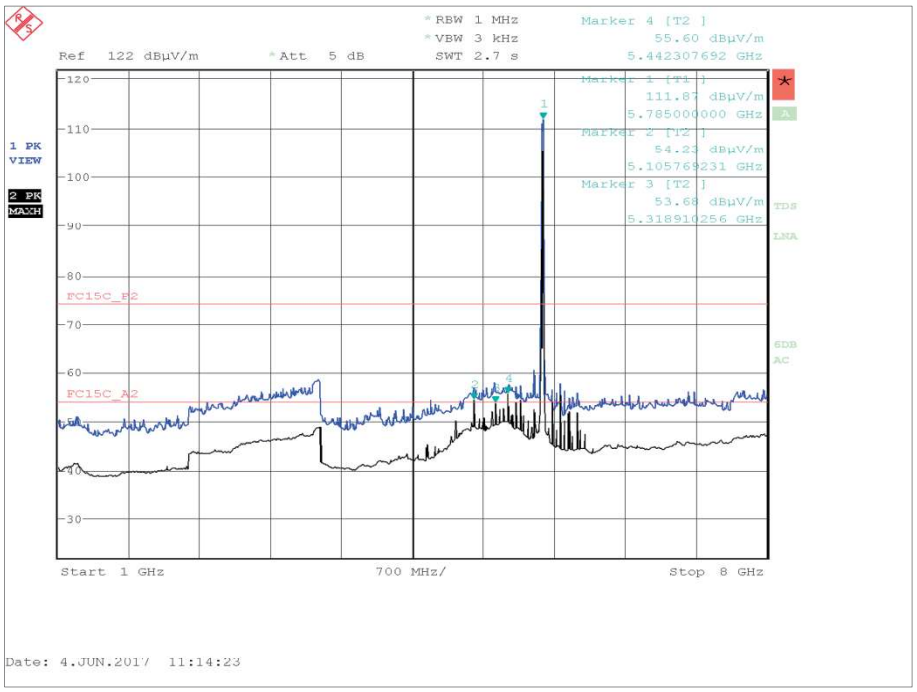

Figure 543 - U-NII 3 - 5785 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

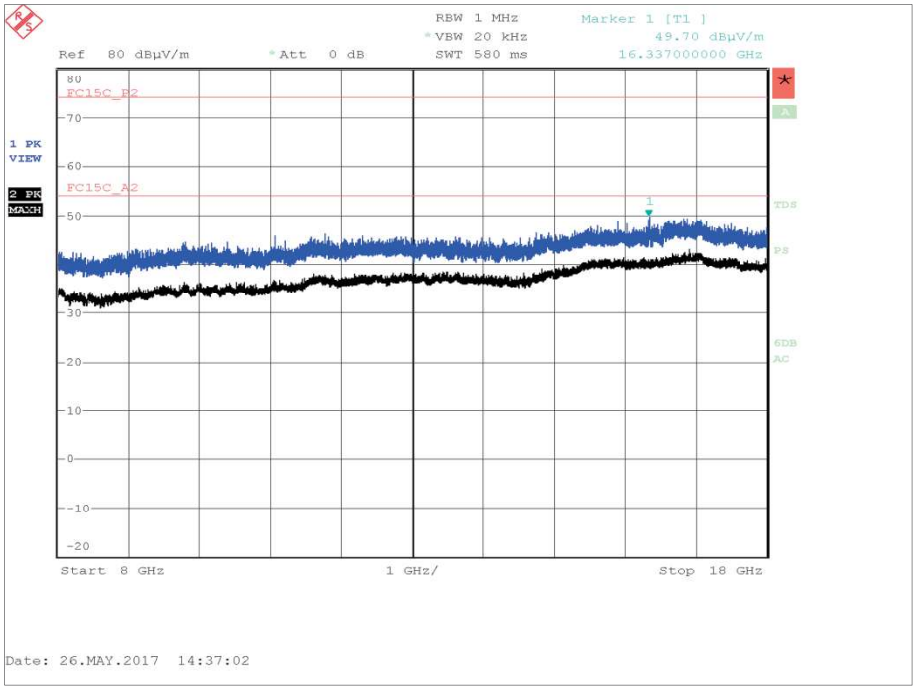

Figure 544 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

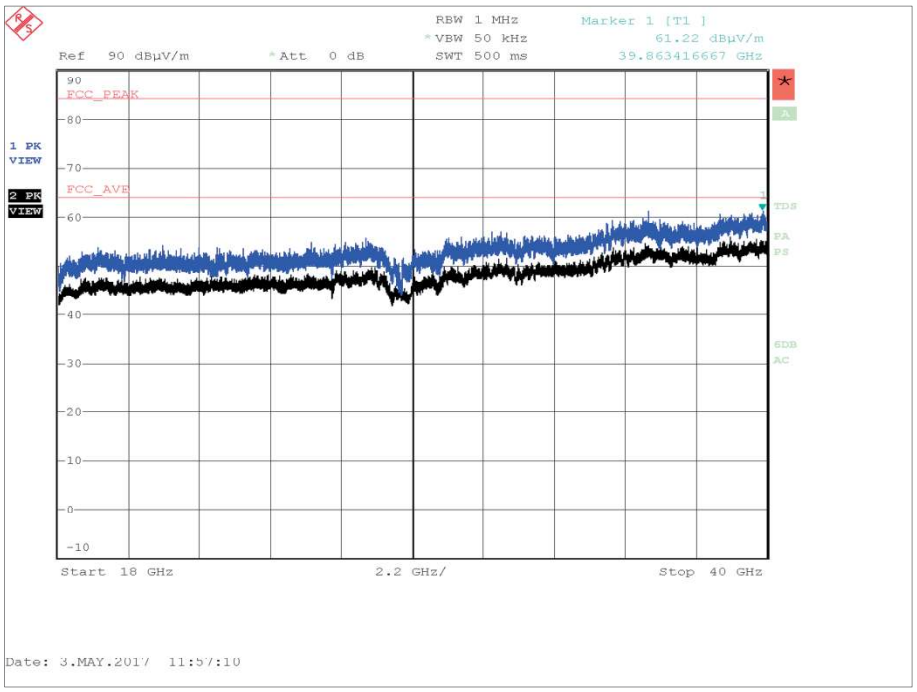

Figure 545 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	Height(m)	Polarity
30.483	30.2	40.0	-9.8	159	1.00	Vertical
37.500	26.9	40.0	-13.1	360	1.00	Vertical
608.000	31.5	46.0	-14.5	172	1.00	Vertical
609.808	31.0	46.0	-15.0	357	1.00	Vertical
614.000	30.9	46.0	-15.1	0	1.00	Vertical
960.000	34.0	46.0	-12.0	132	1.00	Vertical

Table 348 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

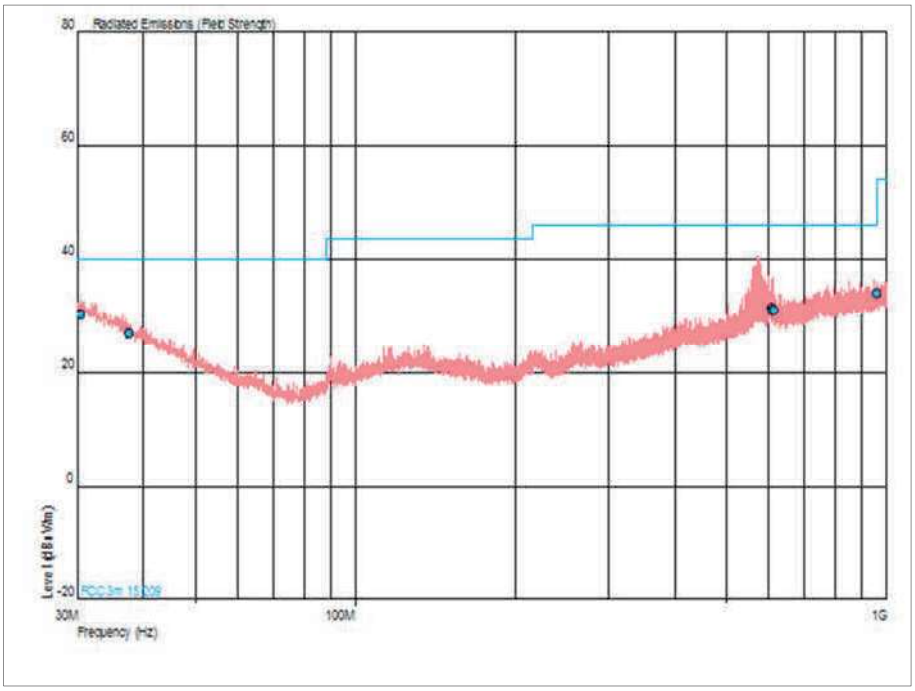

Figure 546 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Horizontal and Vertical

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
5.103946	1146.23	468.27	5000.00	500.00	3853.17	31.73
5.363000	1295.69	457.09	5000.00	500.00	3704.31	42.91
5.399925	984.01	213.06	5000.00	500.00	4015.99	286.94
5.440047	1277.91	479.18	5000.00	500.00	3722.09	20.82

Table 349 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz

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

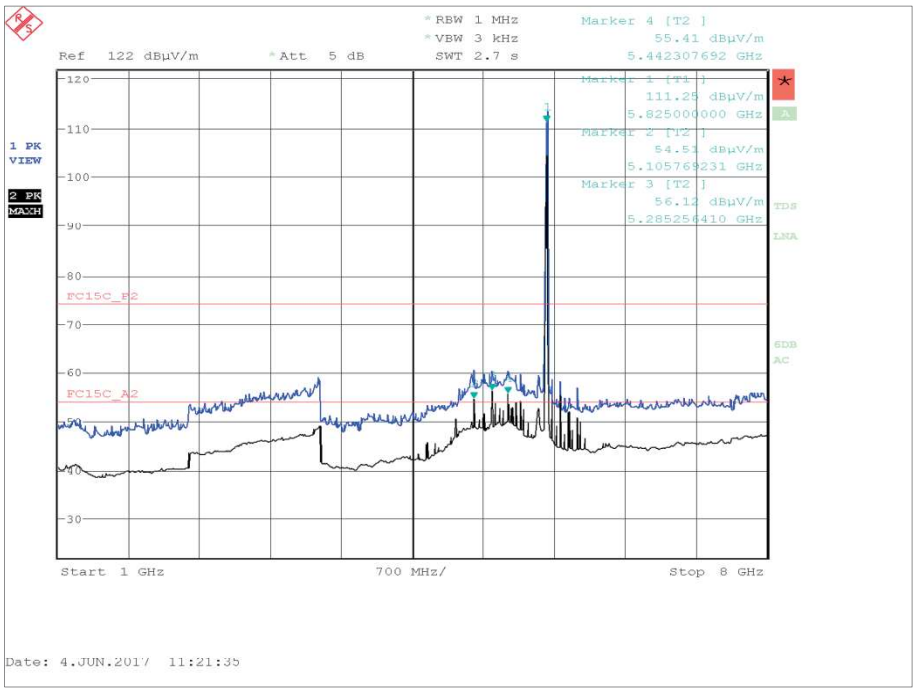

Figure 547 - U-NII 3 - 5825 MHz - 1 GHz to 8 GHz - Horizontal and Vertical

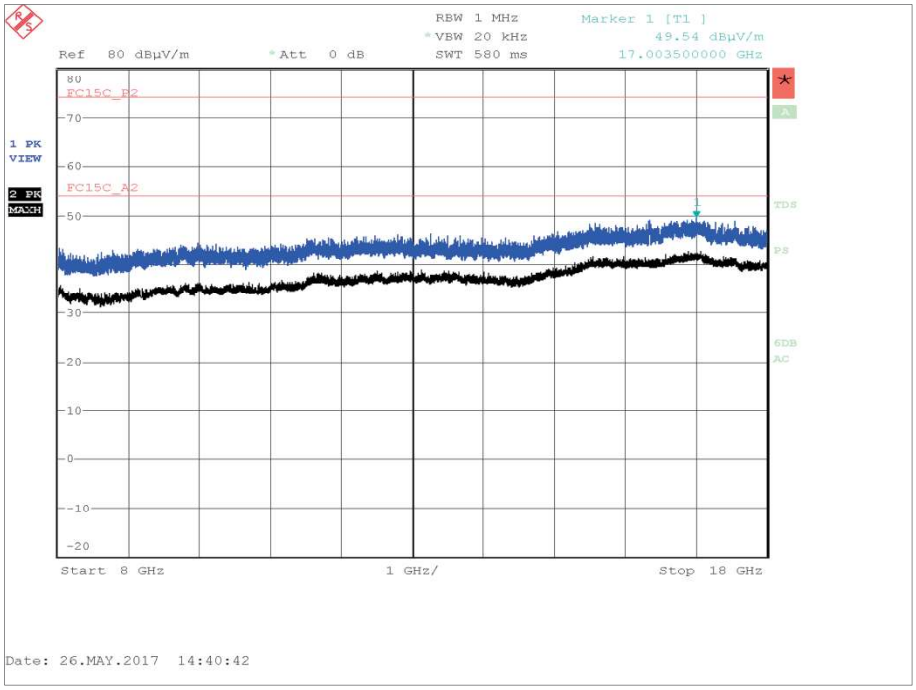

Figure 548 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz - Horizontal and Vertical

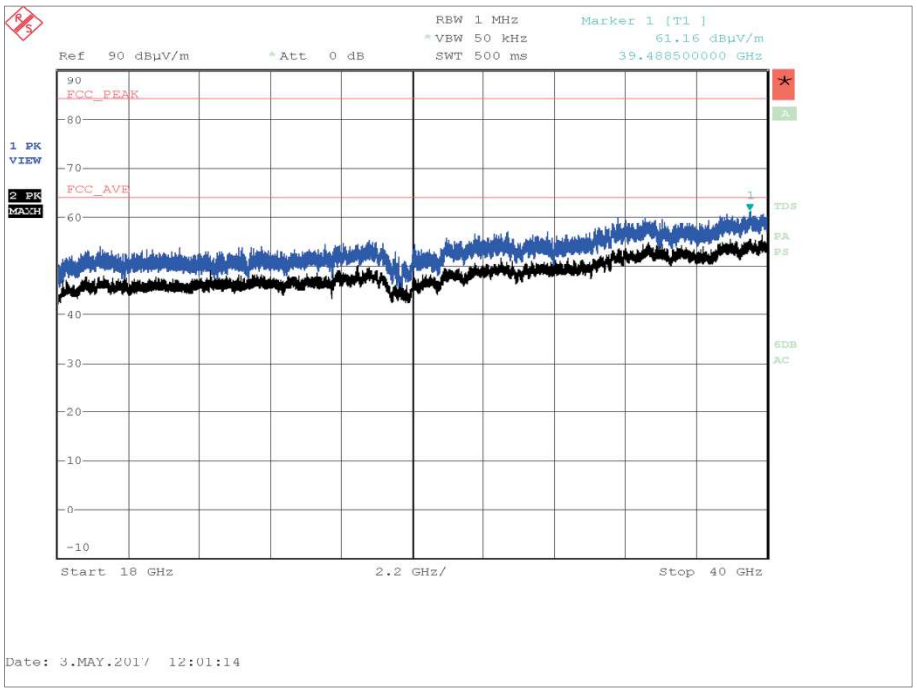

Figure 549 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz - Horizontal and Vertical

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

Emissions not falling within the restricted bands listed in FCC 47 CFR Part 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 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.

Emissions within the restricted bands listed in FCC 47 CFR Part 15.209:

Frequency (MHz)	Field Strength (μV/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:

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.

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

2.6.7 Test Location and Test Equipment Used

This test was carried out in EMC Chamber 5.

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Due
Antenna 18-40GHz (Double Ridge Guide)	Link Microtek Ltd	AM180HA-K-TU2	230	24	12-Feb-2018
Hygrometer	Rotronic	A1	1388	12	13-Apr-2017
Pre-Amplifier	Phase One	PS04-0086	1533	12	29-Jul-2017
18GHz - 40GHz Pre-Amplifier	Phase One	PSO4-0087	1534	12	23-Jan-2018
Screened Room (5)	Rainford	Rainford	1545	36	20-Dec-2017
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Hygromer	Rotronic	A1	2138	12	02-Feb-2018
Antenna (Bilog)	Chase	CBL6143	2904	24	11-Jun-2017
Signal Generator (10MHz to 40GHz)	Rohde & Schwarz	SMR40	3171	12	02-Nov-2017
Cable (N-N, 8m)	Rhophase	NPS-2302-8000-NPS	3248	-	O/P Mon
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
TRUE RMS MULTIMETER	Fluke	179	4006	12	13-Dec-2017
Suspended Substrate Highpass Filter	Advance Power Components	11SH10-3000/X18000-O/O	4411	12	22-May-2017
Cable (Rx, Km-Km 2m)	Scott Cables	KPS-1501-2000-KPS	4526	6	23-Jul-2017
Cable (Yellow, Rx, Km-Km 2m)	Scott Cables	KPS-1501-2000-KPS	4527	-	TU
Cable (Rx, SMAm-SMAm 0.5m)	Scott Cables	SLSLL18-SMSM-00.50M	4528	6	03-Feb-2017
Receiver	Keysight Technologies	N9038A MXE	4629	12	06-Sep-2017
Double Ridged Waveguide Horn Antenna	ETS-Lindgren	3117	4722	12	17-Feb-2018
Double Ridge Broadband Horn Antenna	Schwarzbeck	BBHA 9120 B	4848	12	17-Feb-2018

Table 350

TU - Traceability Unscheduled

3 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Maximum Conducted Output Power	± 0.96 dB
Maximum Conducted Power Spectral Density	± 0.96 dB
Emission Bandwidth	±753.12 kHz
Authorised Band Edges	± 6.3 dB
Restricted Band Edges	± 6.3 dB
Spurious Radiated Emissions	30 MHz to 1 GHz: ± 5.1 dB 1 GHz to 40 GHz: ± 6.3 dB

Table 351

ANNEX A

POWER TABLE VALUES USED FOR TESTING

Mode	Channel	Test Name				
		Maximum Conducted Output Power	Maximum Conducted Power Spectral Density	Emission Bandwidth	Restricted & Authorised Band Edge	Spurious Radiated Emissions
802.11a	36	20	20	20	17	20
	40	20	20	20	N/A	20
	48	20	20	20	N/A	20
	52	20	20	20	N/A	20
	60	20	20	20	N/A	20
	64	20	20	20	18	20
	100	20	20	20	20	20
	116	20	20	20	N/A	20
	140	20	20	20	20	20
	149	20	20	20	20	20
	157	20	20	20	N/A	20
	165	20	20	20	20	20
802.11n (20 MHz Bandwidth)	36	20	20	20	18	20
	40	20	20	20	N/A	20
	48	20	20	20	N/A	20
	52	20	20	20	N/A	20
	60	20	20	20	N/A	20
	64	20	20	20	20	20
	100	20	20	20	20	20
	116	20	20	20	N/A	20
	140	20	20	20	20	20
	149	20	20	20	20	20
	157	20	20	20	N/A	20
	165	20	20	20	20	20
802.11n (40 MHz Bandwidth)	38	20	20	20	16	20
	46	20	20	20	N/A	20
	54	20	20	20	N/A	20
	62	20	20	20	16	20
	102	20	20	20	17	20
	118	20	20	20	N/A	20
	134	20	20	20	20	20
	151	20	20	20	20	20
	159	20	20	20	20	20

Table 352 – Power Settings per Test for ANT795-6MT

Mode	Channel	Test Name				
		Maximum Conducted Output Power	Maximum Conducted Power Spectral Density	Emission Bandwidth	Restricted & Authorised Band Edge	Spurious Radiated Emissions
802.11a	36	17	17	17	17	17
	40	17	17	17	N/A	17
	48	17	17	17	N/A	17
	52	17	17	17	N/A	17
	60	17	17	17	N/A	17
	64	17	17	17	17	17
	100	17	17	17	17	17
	116	17	17	17	N/A	17
	140	17	17	17	17	17
	149	17	17	17	17	17
	157	17	17	17	N/A	17
	165	17	17	17	17	17
802.11n (20 MHz Bandwidth)	36	17	17	17	17	17
	40	17	17	17	N/A	17
	48	17	17	17	N/A	17
	52	17	17	17	N/A	17
	60	17	17	17	N/A	17
	64	17	17	17	17	17
	100	17	17	17	17	17
	116	17	17	17	N/A	17
	140	17	17	17	17	17
	149	17	17	17	17	17
	157	17	17	17	N/A	17
	165	17	17	17	17	17
802.11n (40 MHz Bandwidth)	38	17	17	17	14	17
	46	17	17	17	N/A	17
	54	17	17	17	N/A	17
	62	17	17	17	14	17
	102	17	17	17	14	17
	118	17	17	17	N/A	17
	134	17	17	17	17	17
	151	17	17	17	17	17
	159	17	17	17	17	17

Table 353 – Power Settings per Test for ANT793-6DG

Mode	Channel	Test Name				
		Maximum Conducted Output Power	Maximum Conducted Power Spectral Density	Emission Bandwidth	Restricted & Authorised Band Edge	Spurious Radiated Emissions
802.11a	36	14	14	14	14	14
	40	14	14	14	N/A	14
	48	14	14	14	N/A	14
	52	14	14	14	N/A	14
	60	14	14	14	N/A	14
	64	14	14	14	14	14
	100	14	14	14	14	14
	116	14	14	14	N/A	14
	140	14	14	14	14	14
	149	14	14	14	14	14
	157	14	14	14	N/A	14
	165	14	14	14	14	14
802.11n (20 MHz Bandwidth)	36	14	14	14	14	14
	40	14	14	14	N/A	14
	48	14	14	14	N/A	14
	52	14	14	14	N/A	14
	60	14	14	14	N/A	14
	64	14	14	14	14	14
	100	14	14	14	12	14
	116	14	14	14	N/A	14
	140	14	14	14	14	14
	149	14	14	14	14	14
	157	14	14	14	N/A	14
	165	14	14	14	14	14
802.11n (40 MHz Bandwidth)	38	14	14	14	10	14
	46	14	14	14	N/A	14
	54	14	14	14	N/A	14
	62	14	14	14	11	14
	102	14	14	14	11	14
	118	14	14	14	N/A	14
	134	14	14	14	14	14
	151	14	14	14	14	14
	159	14	14	14	14	14

Table 354 – Power Settings per Test for ANT793-8DK + 10m Cable