



Product Service

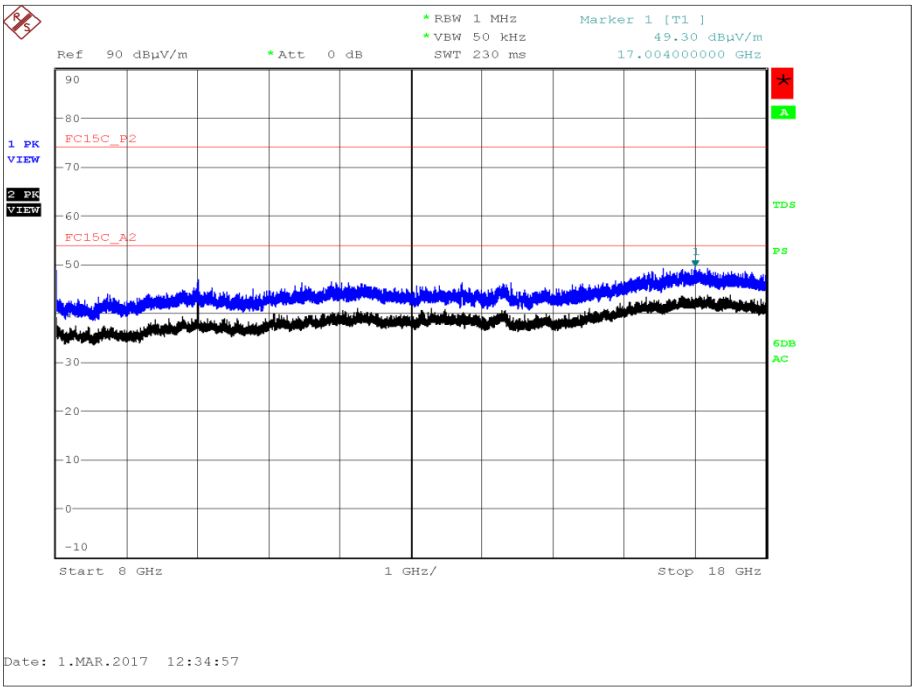


Figure 297 - U-NII 2c - 5500 MHz - 8 GHz to 18 GHz

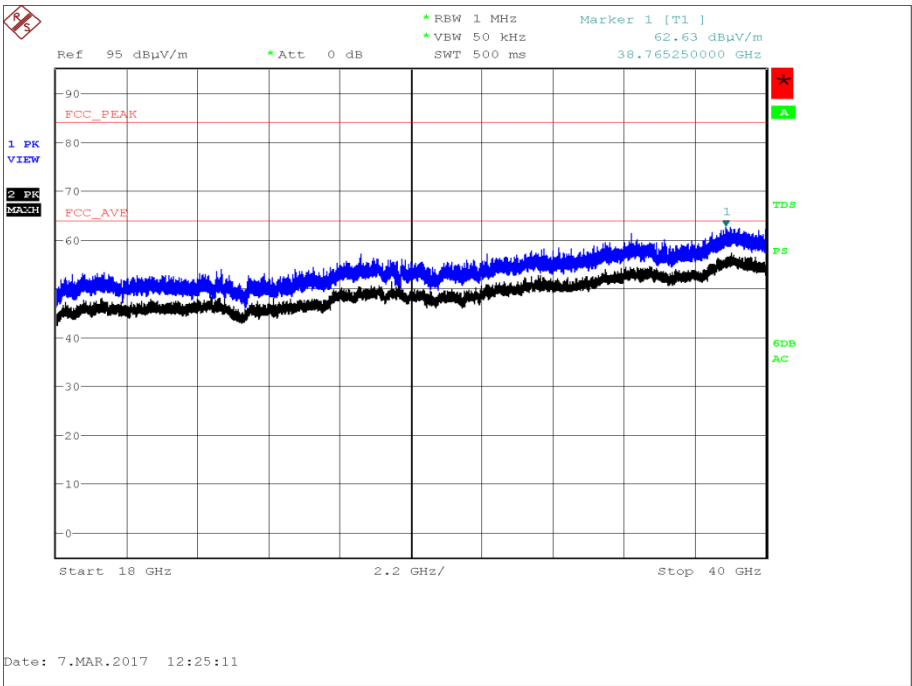


Figure 298 - U-NII 2c - 5500 MHz - 18 GHz to 40 GHz



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
40.089	33.8	40.0	-6.2	360	1.00	Vertical
45.280	34.4	40.0	-5.6	93	1.00	Vertical
57.741	35.2	40.0	-4.8	86	1.00	Vertical
58.763	33.0	40.0	-7.0	67	1.88	Vertical
227.832	40.0	46.0	-6.0	145	1.58	Horizontal
923.016	36.4	46.0	-9.6	360	1.00	Vertical

Table 169 - U-NII 2c - 5600 MHz - 30 MHz to 1 GHz - Emissions Results

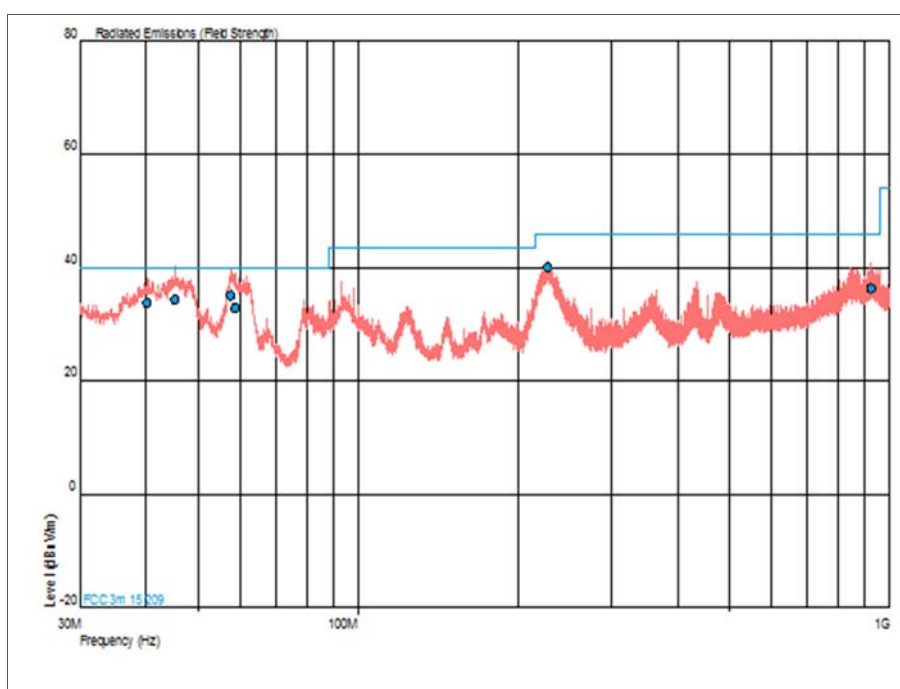


Figure 299 - U-NII 2c - 5600 - 30 MHz to 1 GHz

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

Table 170 - U-NII 2c - 5600 - 1 GHz to 40 GHz - Emissions Results

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

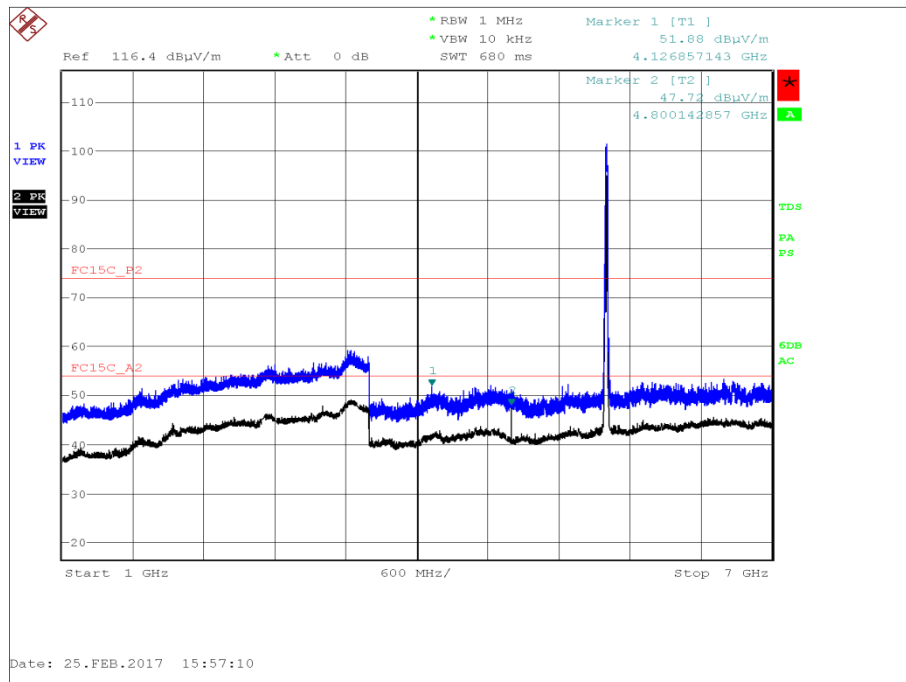


Figure 300 - U-NII 2c - 5600 MHz - 1 GHz to 7 GHz

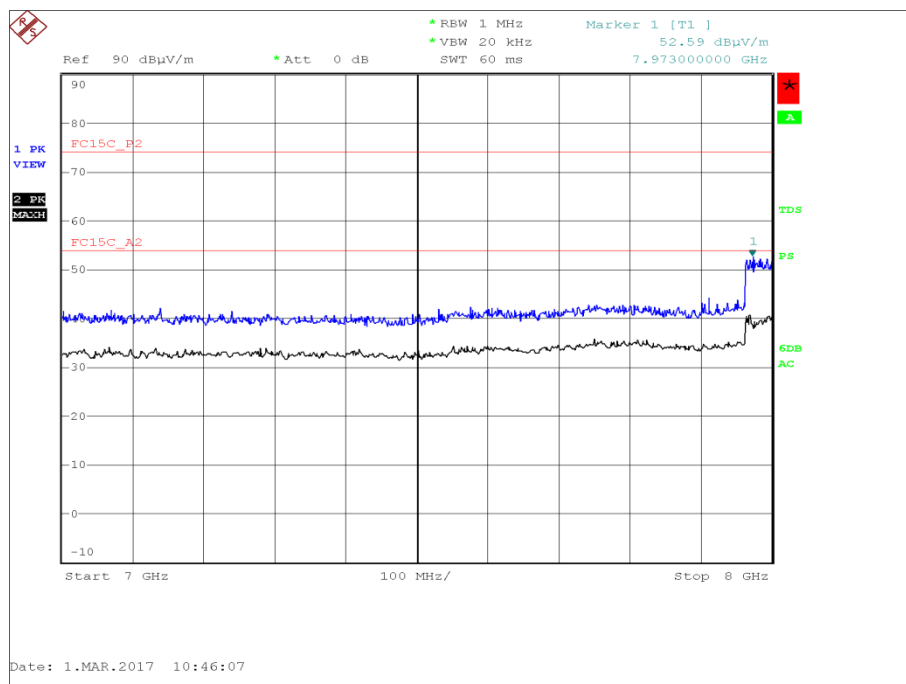


Figure 301 - U-NII 2c - 5600 MHz - 7 GHz to 8 GHz



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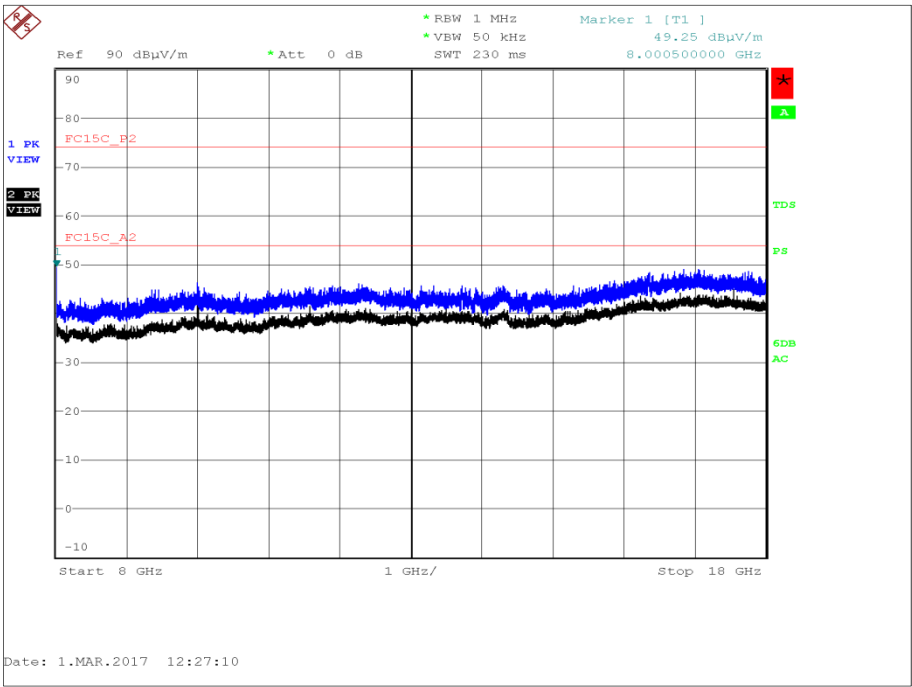


Figure 302 - U-NII 2c - 5600 MHz - 8 GHz to 18 GHz

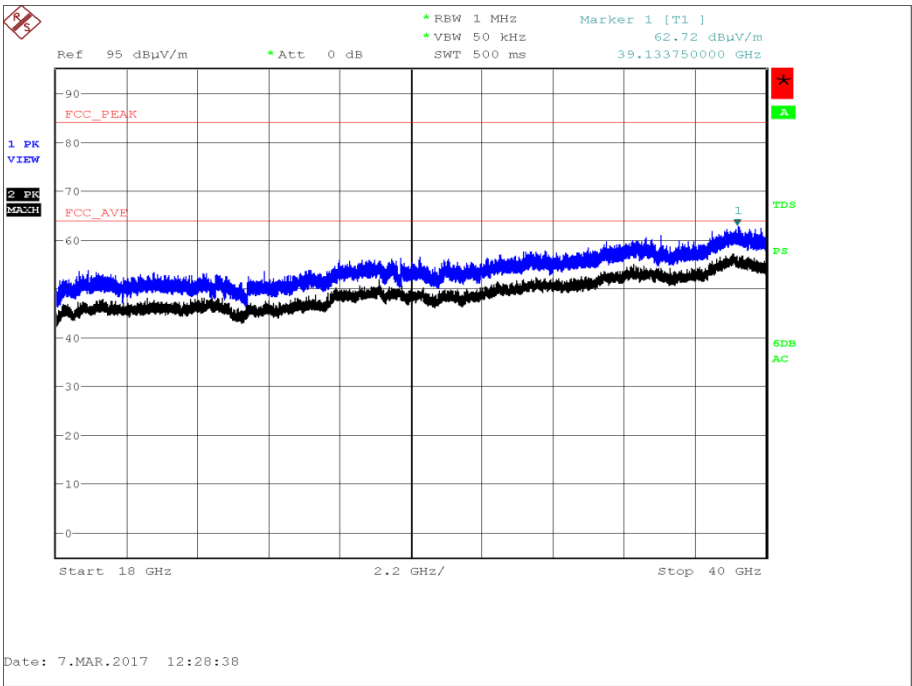


Figure 303 - U-NII 2c - 5600 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
40.429	34.0	40.0	-6.0	38	1.00	Vertical
43.096	34.9	40.0	-5.1	61	1.00	Vertical
45.425	34.1	40.0	-5.9	115	1.00	Vertical
58.034	35.5	40.0	-4.5	103	1.00	Vertical
228.448	32.8	46.0	-13.2	202	1.16	Vertical
927.653	37.1	46.0	-8.9	6	1.00	Vertical

Table 171 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz - Emissions Results

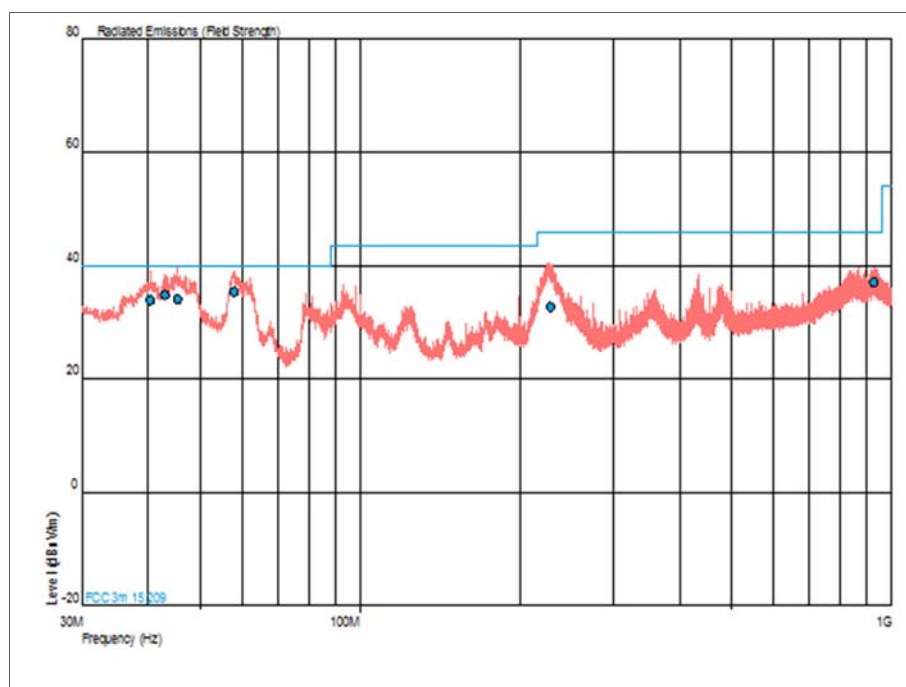


Figure 304 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (µV/m)		Limit (µV/m)		Margin (µV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.885	57.12	52.23	74.00	54.00	16.88	1.77

Table 172 - U-NII 2c - 5700 MHz - 1 GHz to 40 GHz - Emissions Results

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

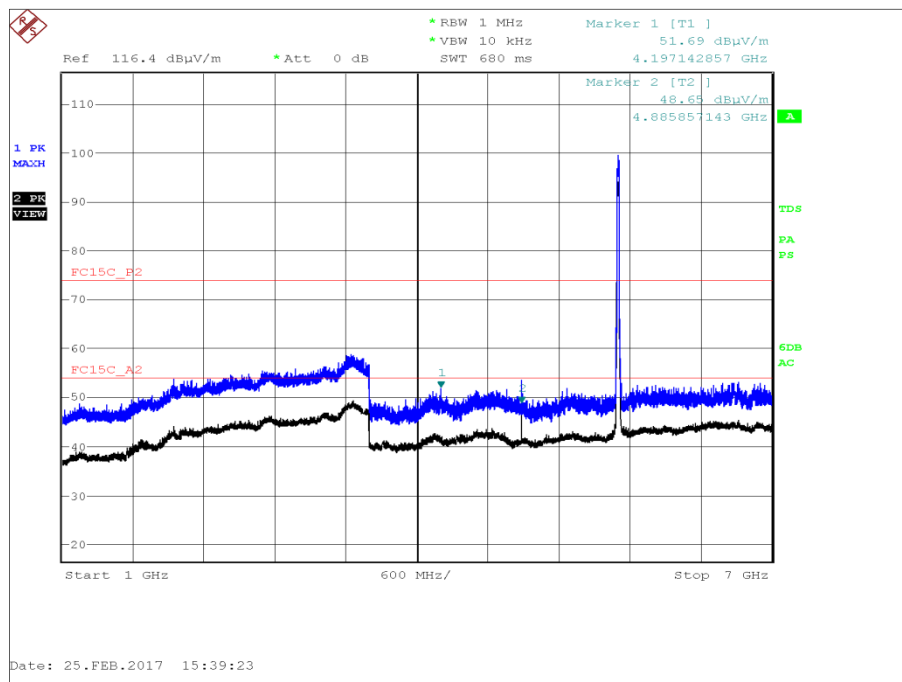


Figure 305 - U-NII 2c - 5700 MHz - 1 GHz to 7 GHz

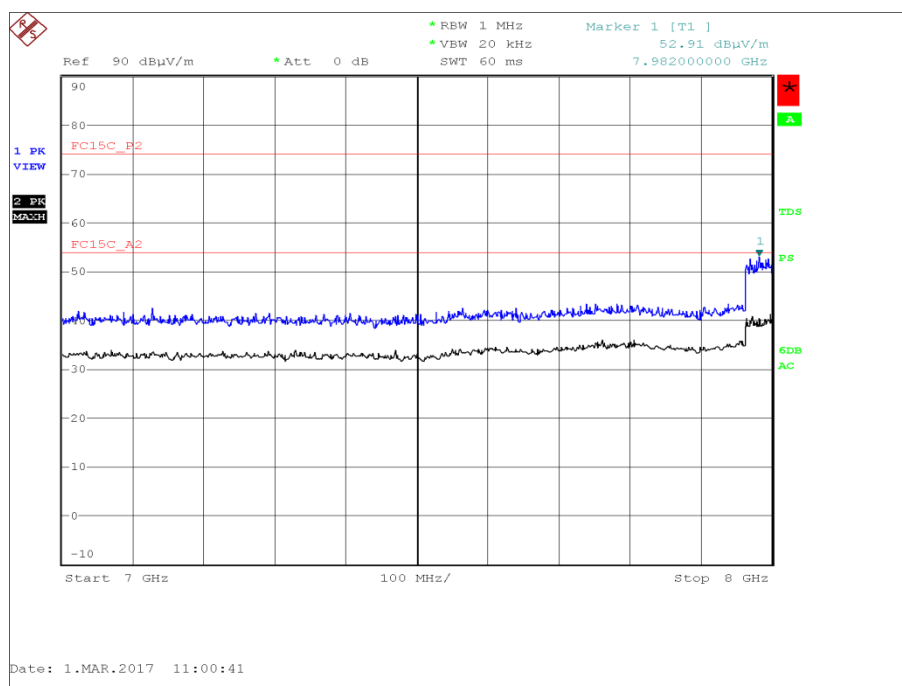


Figure 306 - U-NII 2c - 5700 MHz - 7 GHz to 8 GHz

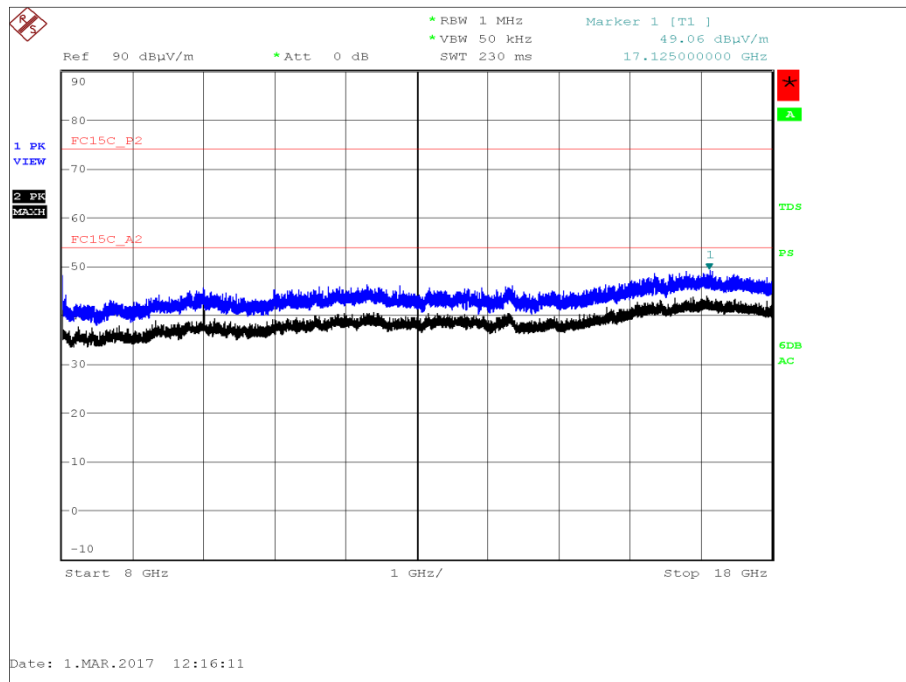


Figure 307 - U-NII 2c - 5700 MHz - 8 GHz to 18 GHz

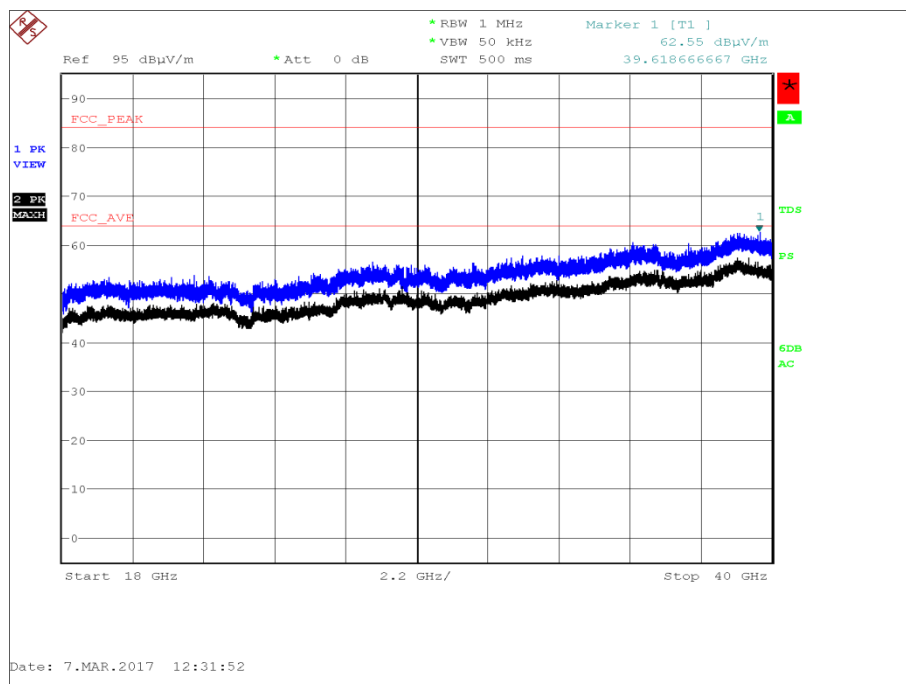


Figure 308 - U-NII 2c - 5700 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
43.872	33.6	40.0	-6.4	106	1.00	Vertical
44.792	34.8	40.0	-5.2	81	1.00	Vertical
45.472	34.4	40.0	-5.6	70	1.00	Vertical
57.502	35.5	40.0	-4.5	77	1.00	Vertical
62.445	31.2	40.0	-8.8	298	1.00	Vertical
227.638	38.7	46.0	-7.3	141	1.00	Horizontal
916.476	34.3	46.0	-11.7	19	1.00	Horizontal

Table 173 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Emissions Results

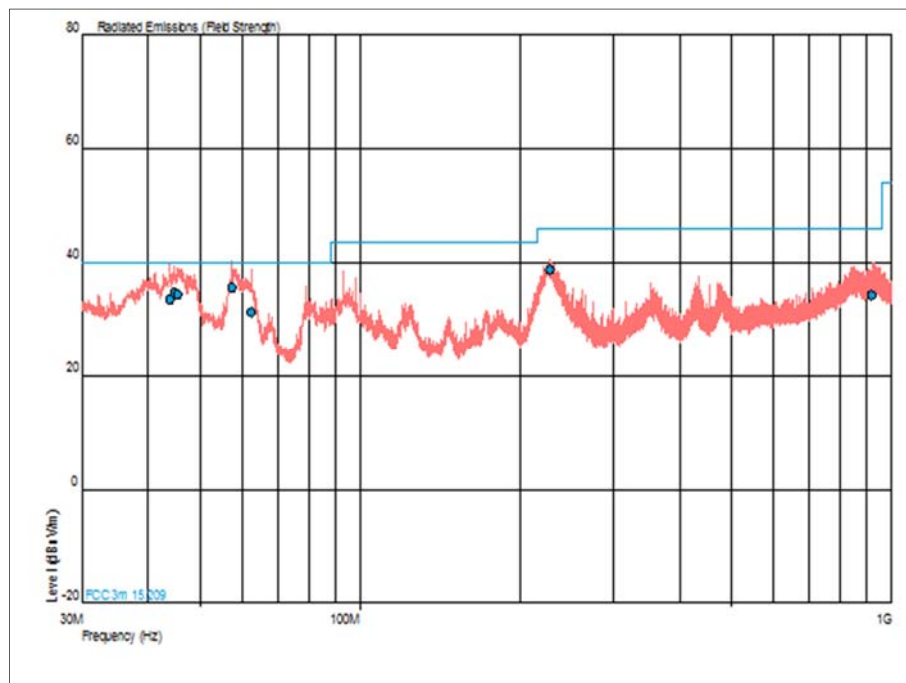


Figure 309 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.924	57.64	53.31	74.00	54.00	16.36	0.69

Table 174 - U-NII 3 – 5745 MHz – 1 GHz to 40 GHz - Emissions Results

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

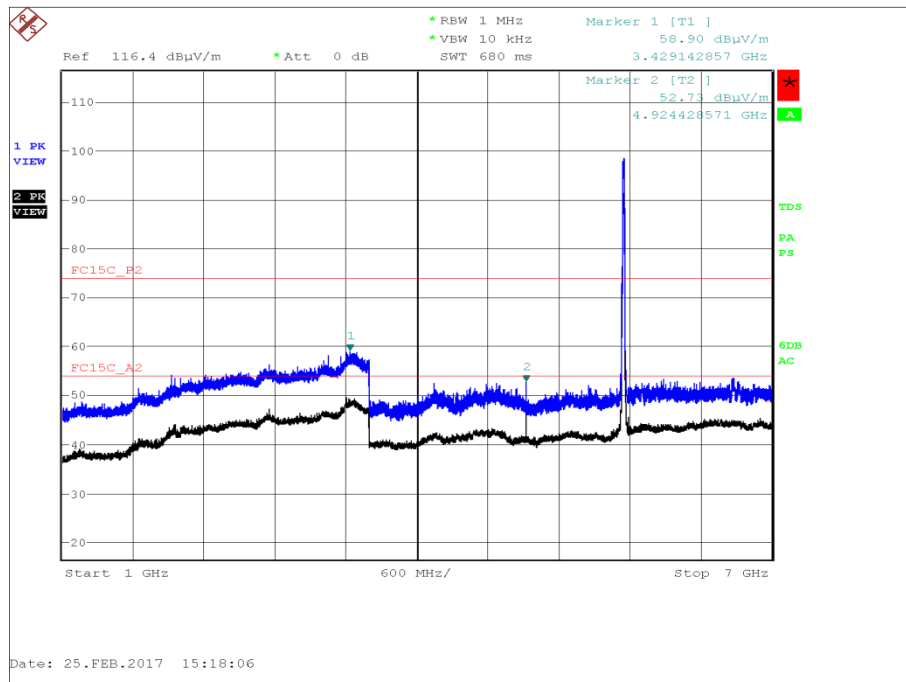


Figure 310 - U-NII 3 - 5745 MHz - 1 GHz to 7 GHz

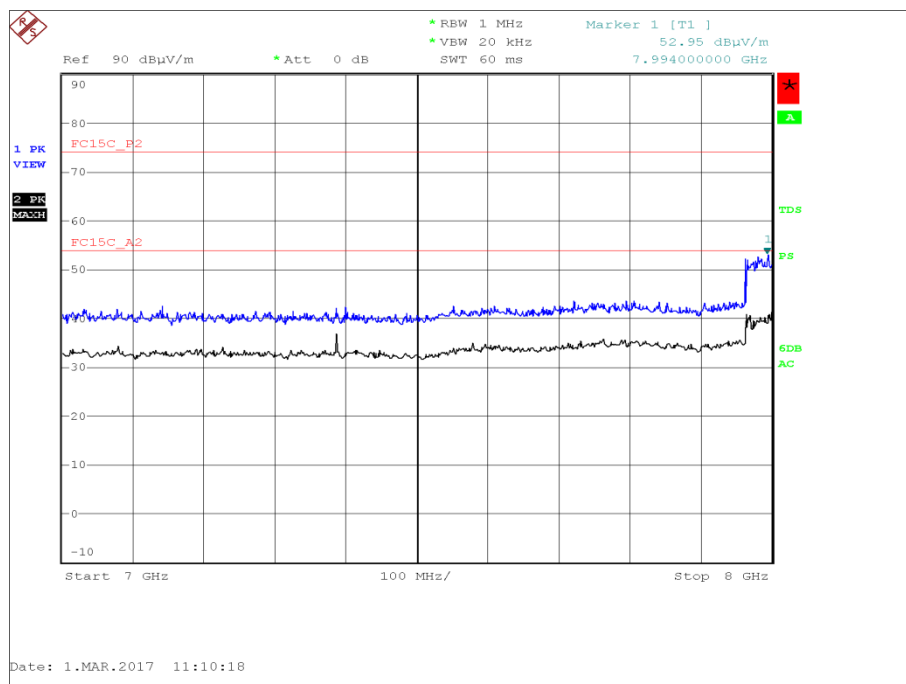


Figure 311 - U-NII 3 - 5745 MHz - 7 GHz to 8 GHz



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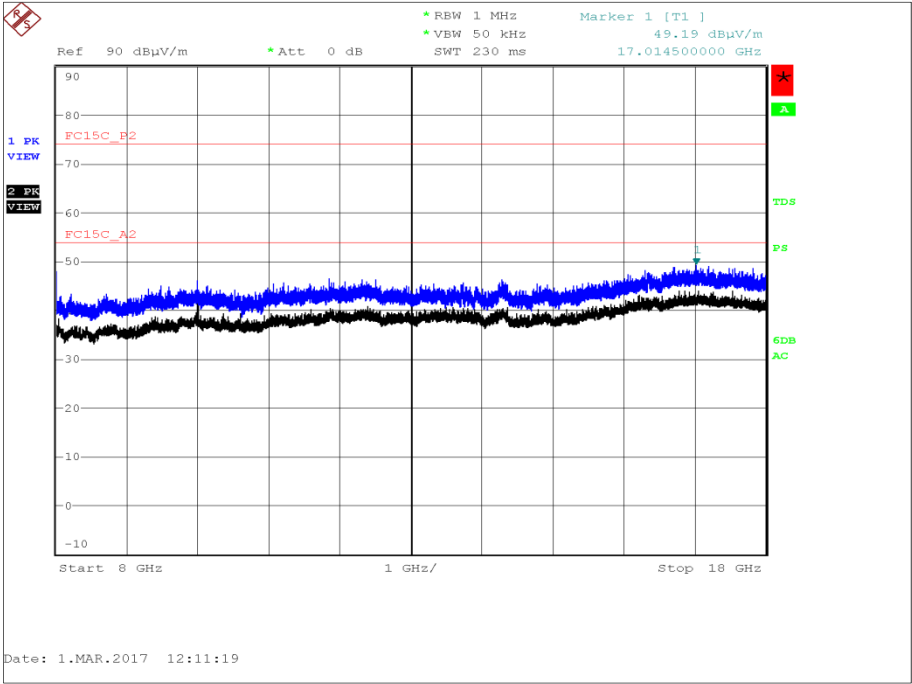


Figure 312 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz

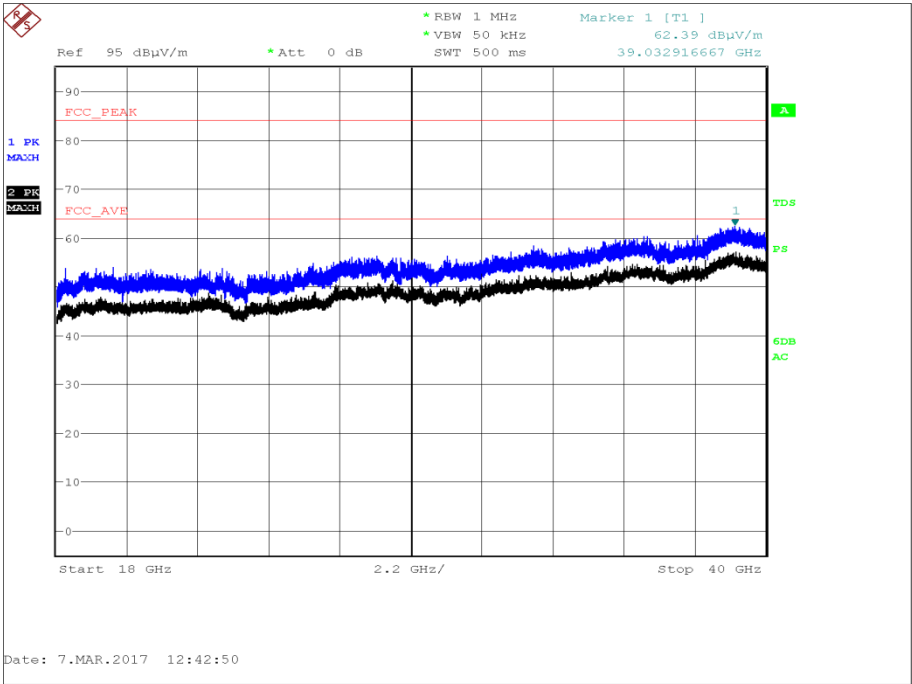


Figure 313 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
41.060	35.2	40.0	-4.8	29	1.17	Vertical
57.347	34.7	40.0	-5.3	19	1.00	Vertical
80.601	27.0	40.0	-13.0	333	1.00	Vertical
98.216	39.5	43.5	-4.0	163	1.00	Vertical
228.139	39.5	46.0	-6.5	179	1.00	Horizontal
474.947	32.3	46.0	-13.7	165	1.00	Vertical

Table 175 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Emissions Results

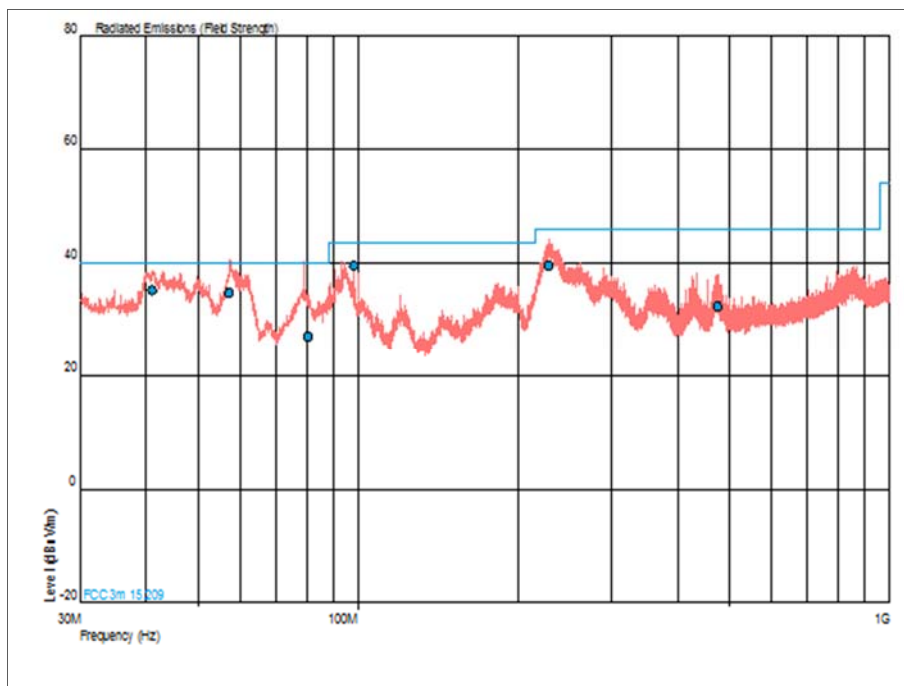


Figure 314 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.958	57.07	53.33	74.00	54.00	16.93	0.67

Table 176 - U-NII 3 - 5785 MHz - 1 GHz to 40 GHz - Emissions Results

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

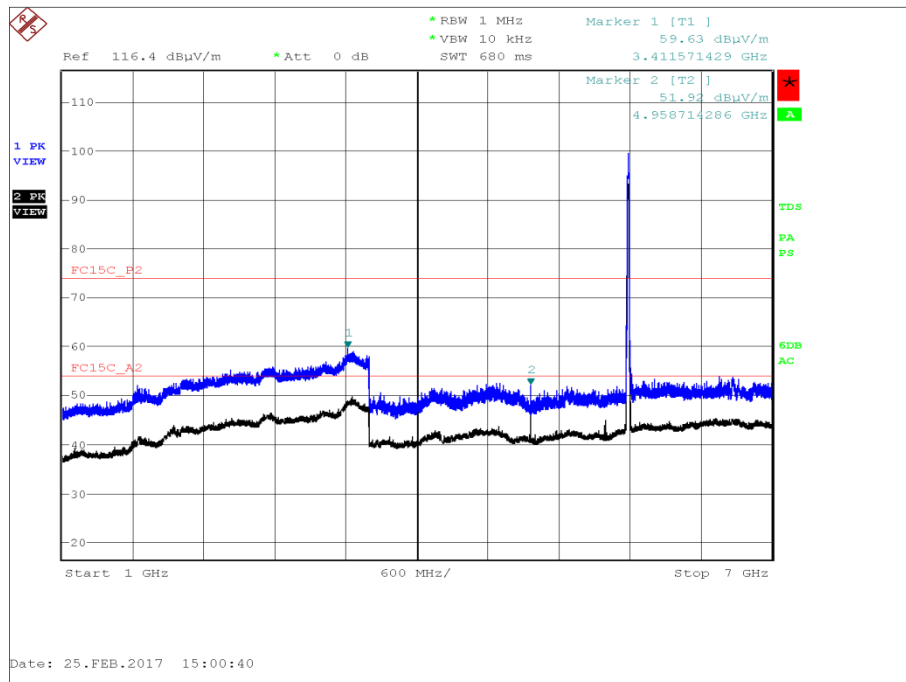


Figure 315 - U-NII 3 - 5785 MHz - 1 GHz to 7 GHz

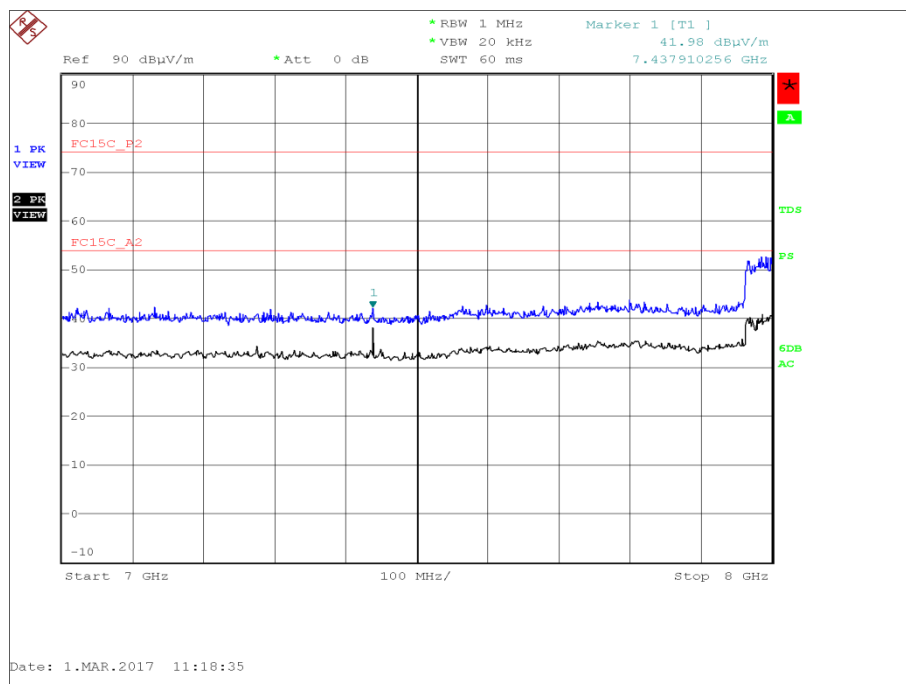


Figure 316 - U-NII 3 - 5785 MHz - 7 GHz to 8 GHz

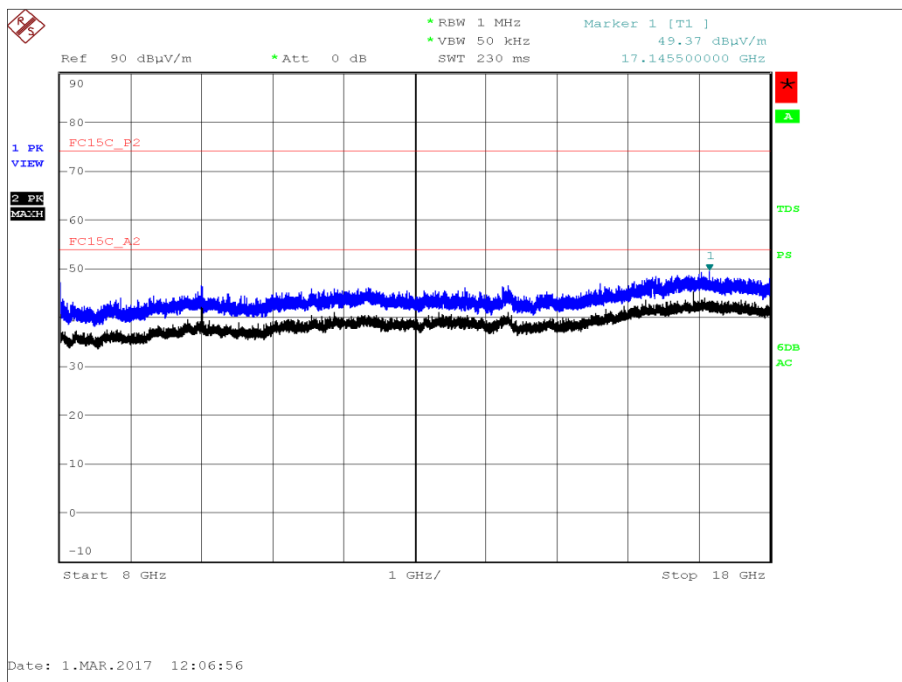


Figure 317 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz

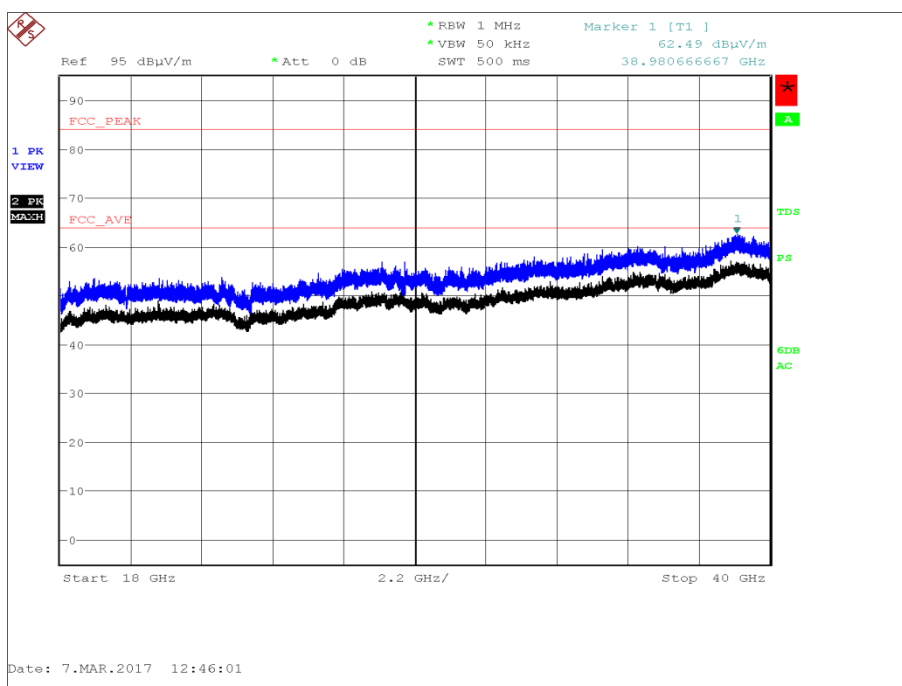


Figure 318 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
40.561	35.0	40.0	-5.0	351	1.00	Vertical
57.403	34.7	40.0	-5.3	36	1.00	Vertical
90.650	36.0	43.5	-7.5	215	1.58	Vertical
98.161	38.8	43.5	-4.7	144	1.09	Vertical
227.832	31.1	46.0	-14.9	61	1.77	Vertical
844.583	36.4	46.0	-9.6	266	1.00	Horizontal

Table 177 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Emissions Results

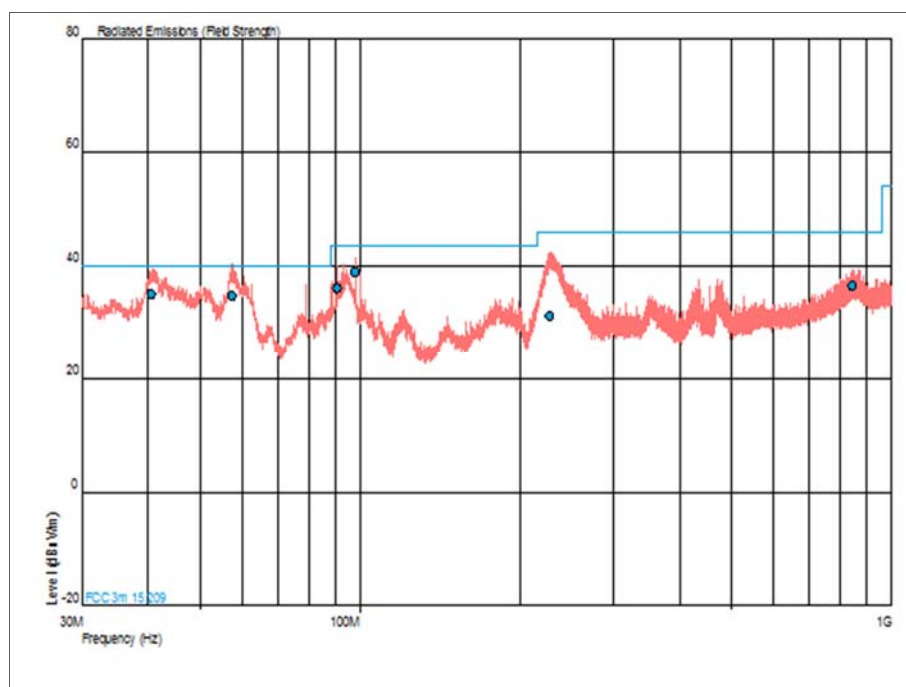


Figure 319 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

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

Table 178 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz - Emissions Results

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

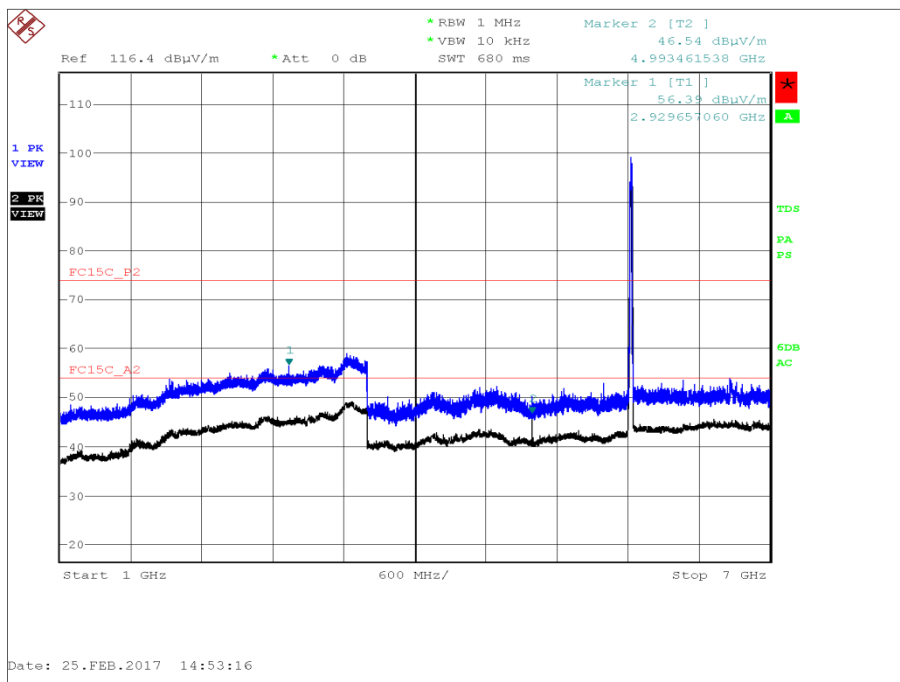


Figure 320 - U-NII 3 - 5825 MHz - 1 GHz to 7 GHz

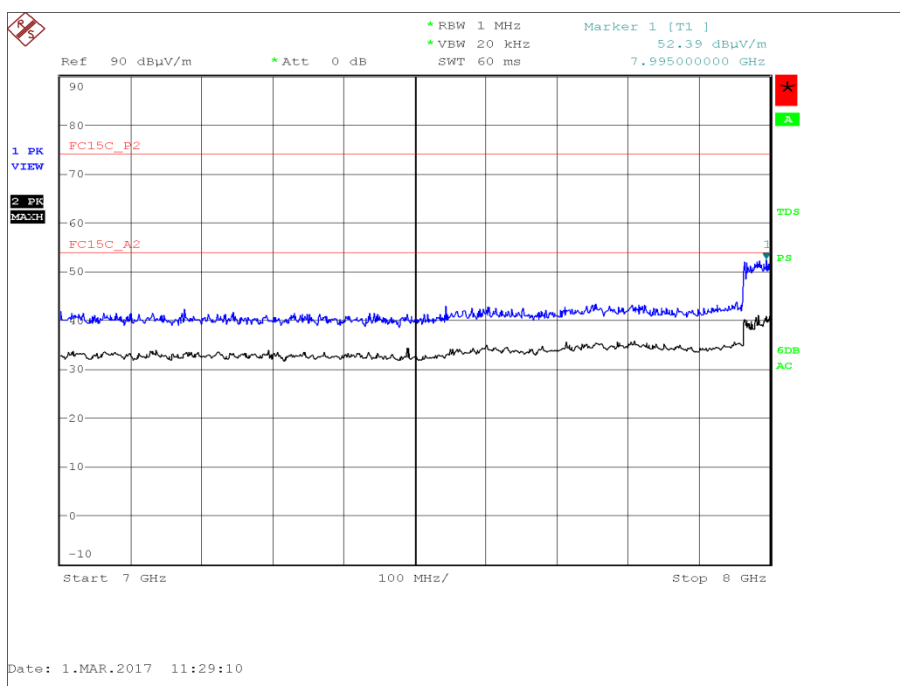


Figure 321 - U-NII 3 - 5825 MHz - 7 GHz to 8 GHz

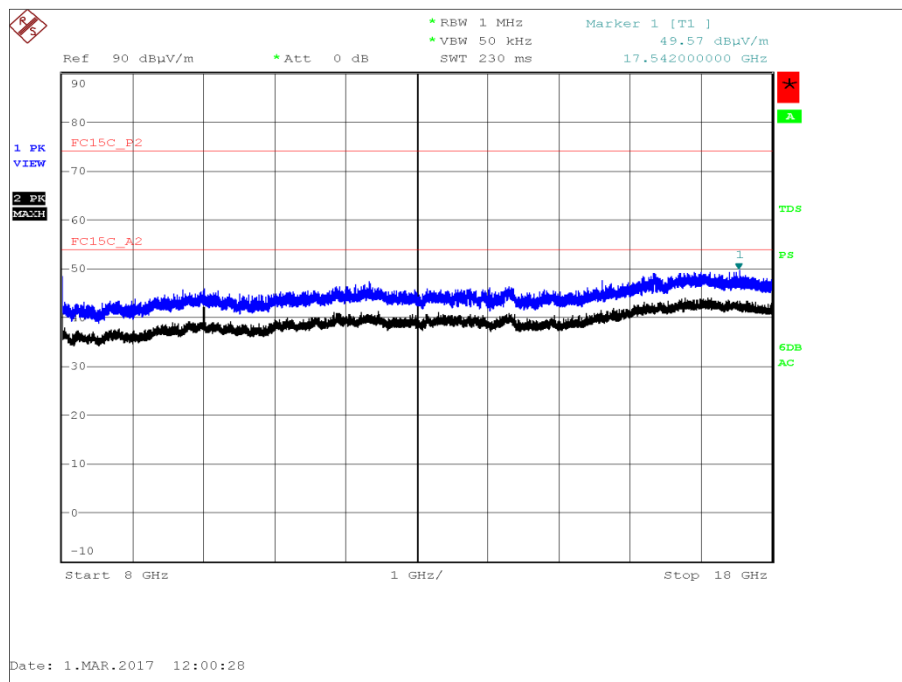


Figure 322 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz

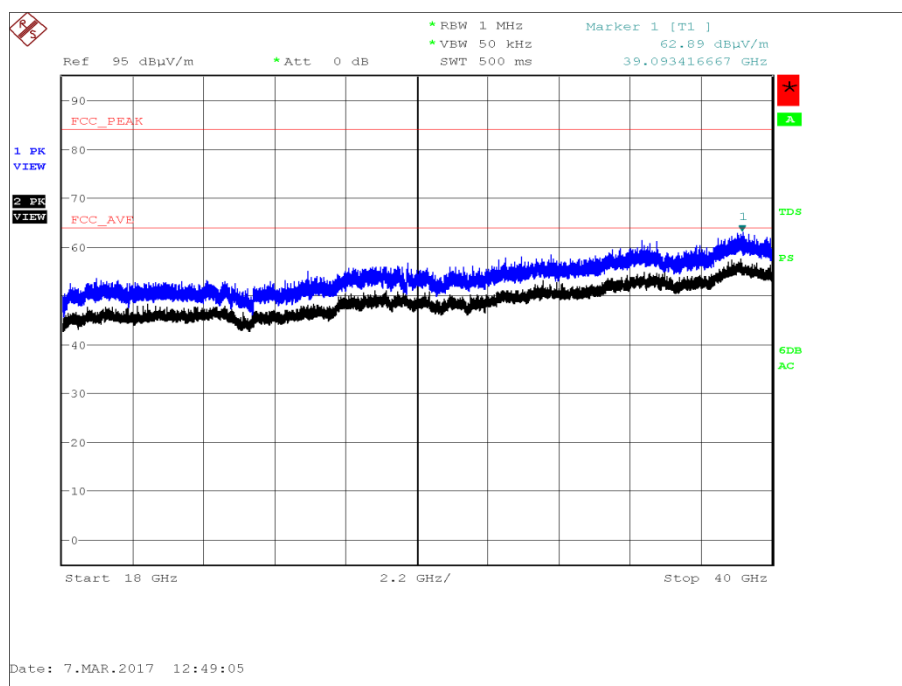


Figure 323 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz



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 179

802.11ac (20 MHz Bandwidth)

Testing was performed on Modulation Coding Scheme 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)	HeigMCS(m)	Polarity
46.500	32.0	40.0	-8.0	236	1.00	Vertical
60.511	28.1	40.0	-11.9	58	1.00	Vertical
79.272	32.0	40.0	-8.0	266	1.90	Vertical
103.611	31.8	43.5	-11.7	43	1.00	Vertical
227.759	39.0	46.0	-7.0	237	1.50	Horizontal
850.687	34.8	46.0	-11.2	234	1.00	Horizontal

Table 180 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz - Emissions Results

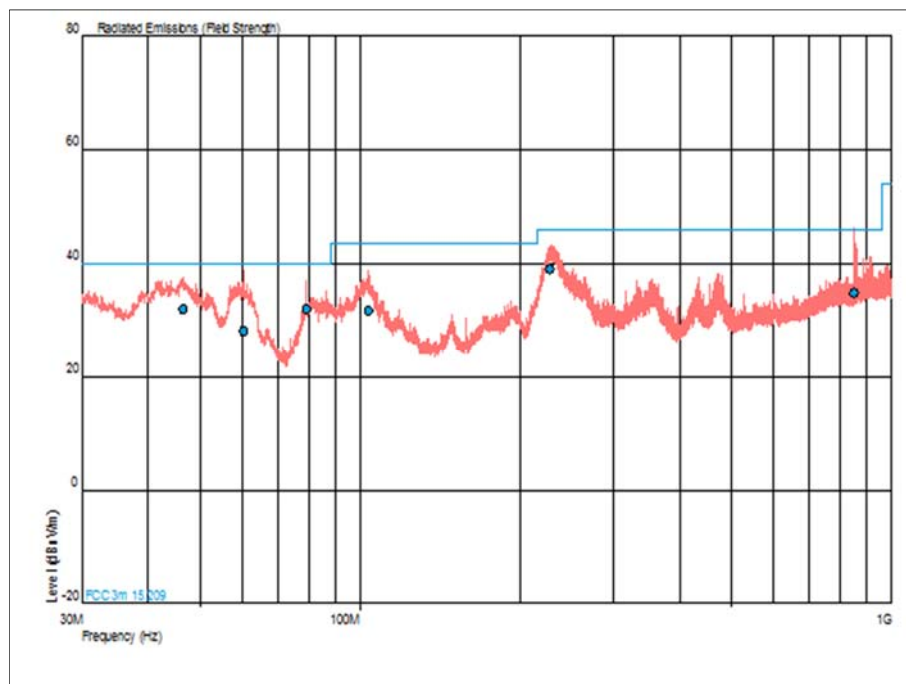


Figure 324 - U-NII 1 - 5180 MHz - 30 MHz to 1 GHz

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

Table 181 - U-NII 1 - 5180 MHz – 1 GHz to 40 GHz - Emissions Results

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



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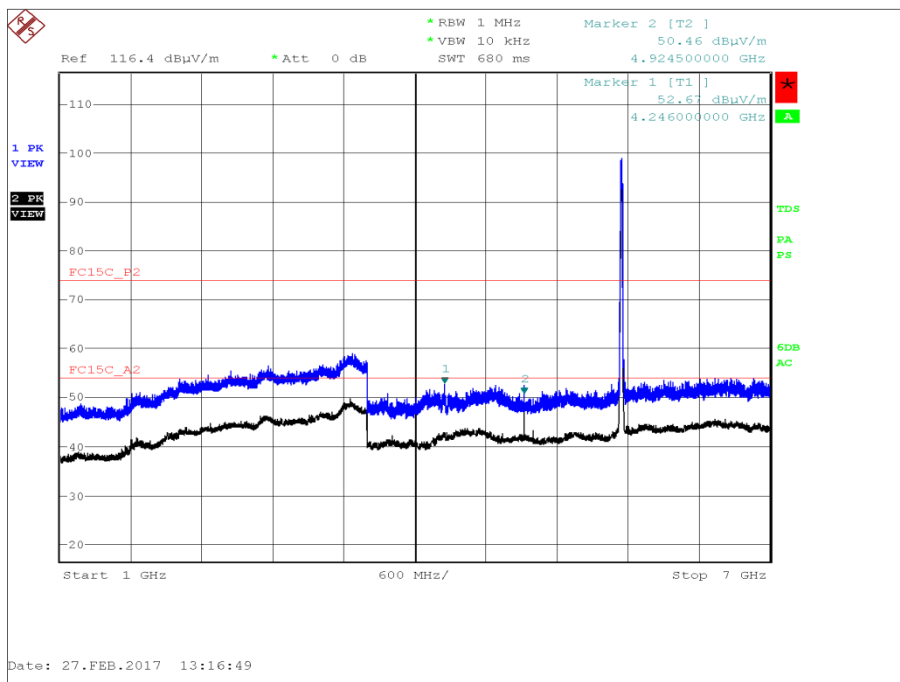


Figure 325 - U-NII 1 - 5180 MHz - 1 GHz to 7 GHz

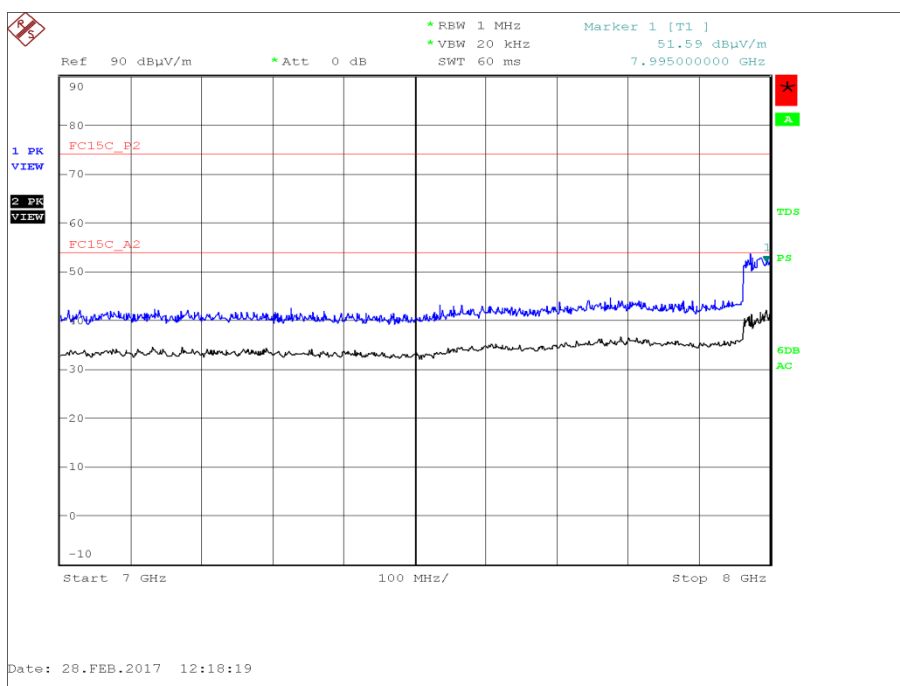


Figure 326 - U-NII 1 - 5180 MHz - 7 GHz to 8 GHz

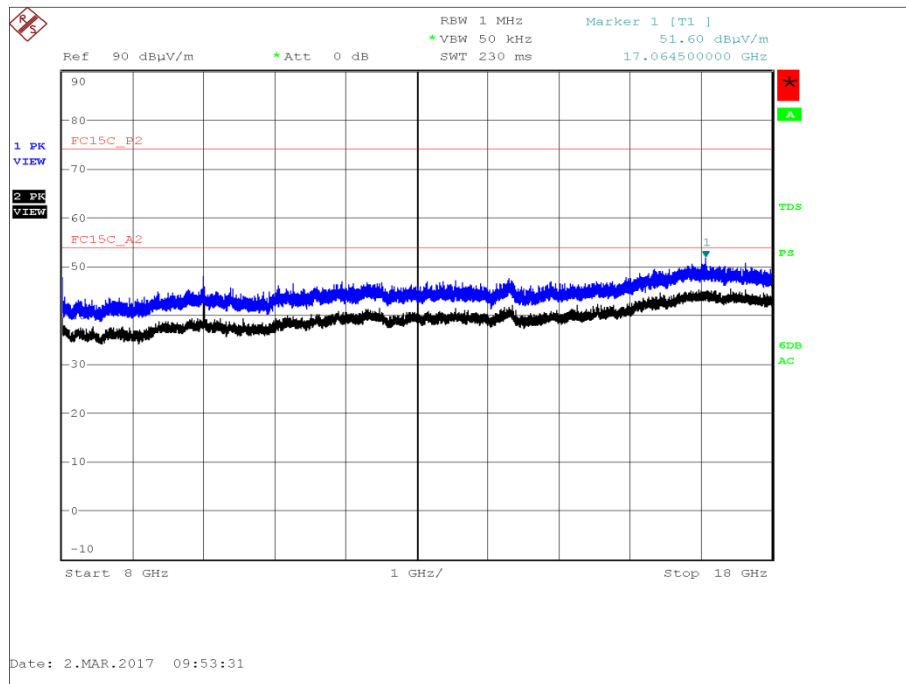


Figure 327 - U-NII 1 - 5180 MHz - 8 GHz to 18 GHz

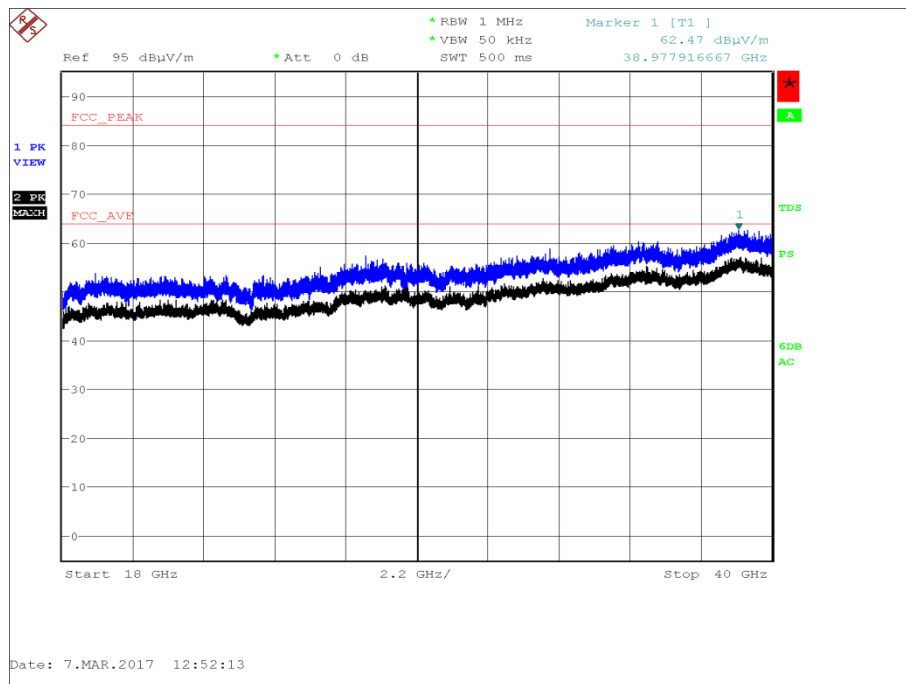


Figure 328 - U-NII 1 - 5180 MHz - 18 GHz to 40 GHz



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.786	32.5	40.0	-7.5	191	1.00	Vertical
56.043	32.7	40.0	-7.3	223	1.00	Vertical
79.220	34.4	40.0	-5.6	291	2.49	Vertical
228.637	39.6	46.0	-6.4	206	1.00	Horizontal
473.372	34.5	46.0	-11.5	353	1.00	Vertical
851.173	34.2	46.0	-11.8	128	1.00	Horizontal

Table 182 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz - Emissions Results

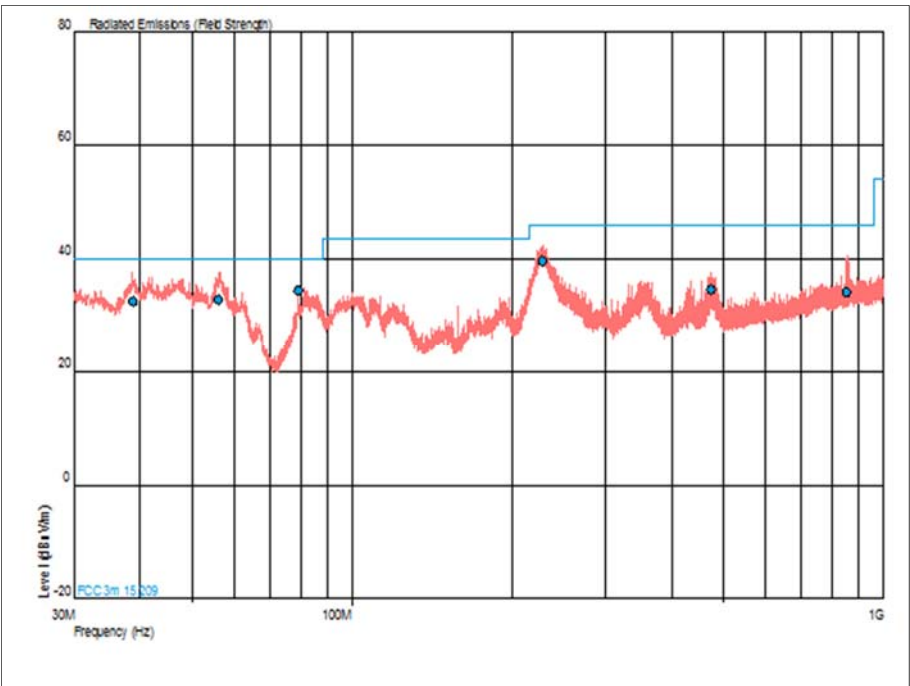


Figure 329 - U-NII 1 - 5200 MHz - 30 MHz to 1 GHz

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

Table 183 - U-NII 1 - 5200 MHz - 1 GHz to 40 GHz - Emissions Results

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



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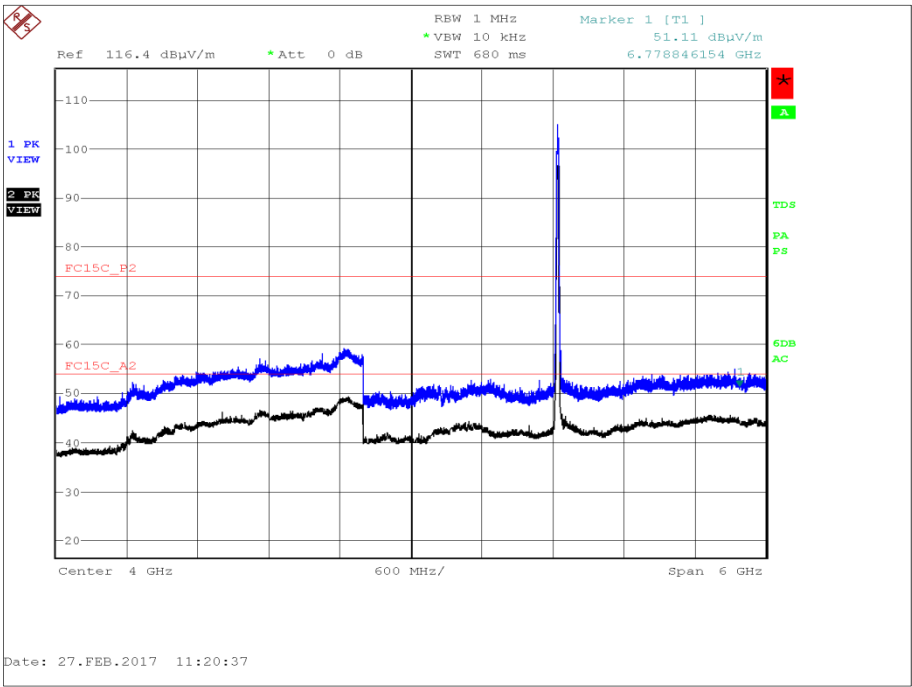


Figure 330 - U-NII 1 - 5200 MHz - 1 GHz to 7 GHz

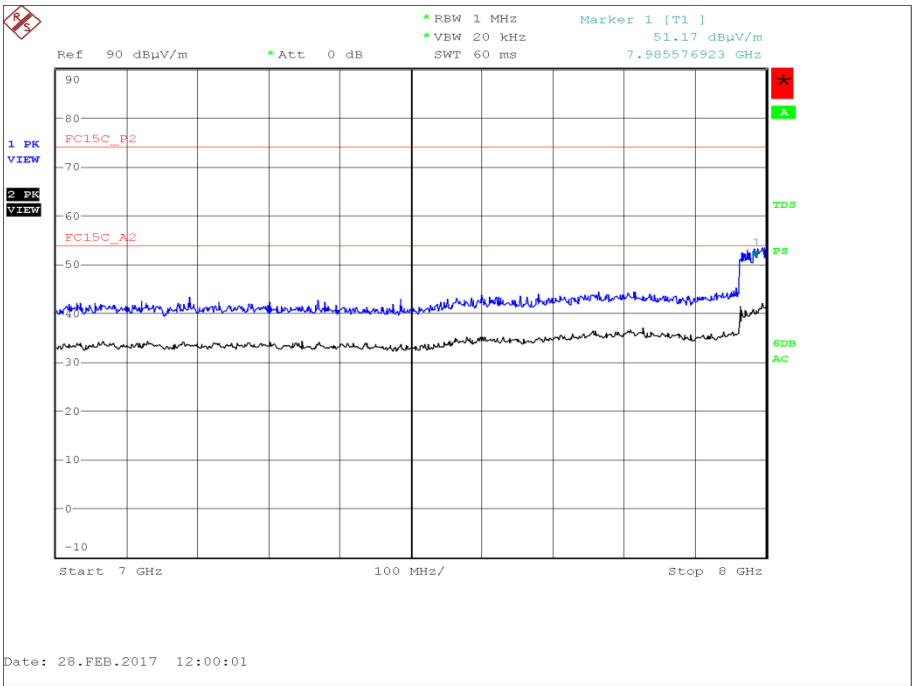


Figure 331 - U-NII 1 - 5200 MHz - 7 GHz to 8 GHz



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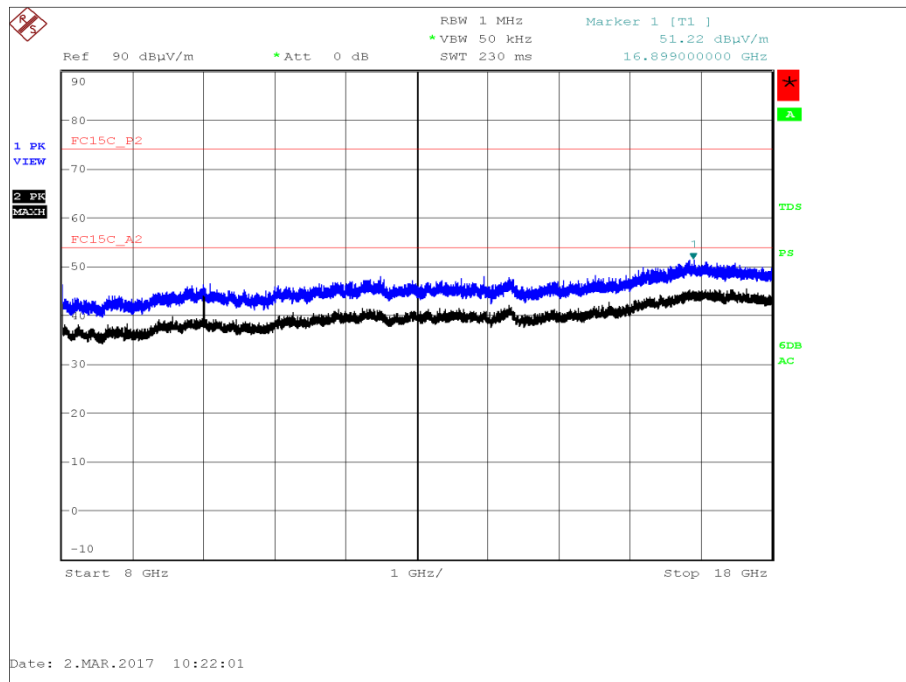


Figure 332 - U-NII 1 - 5200 MHz - 8 GHz to 18 GHz

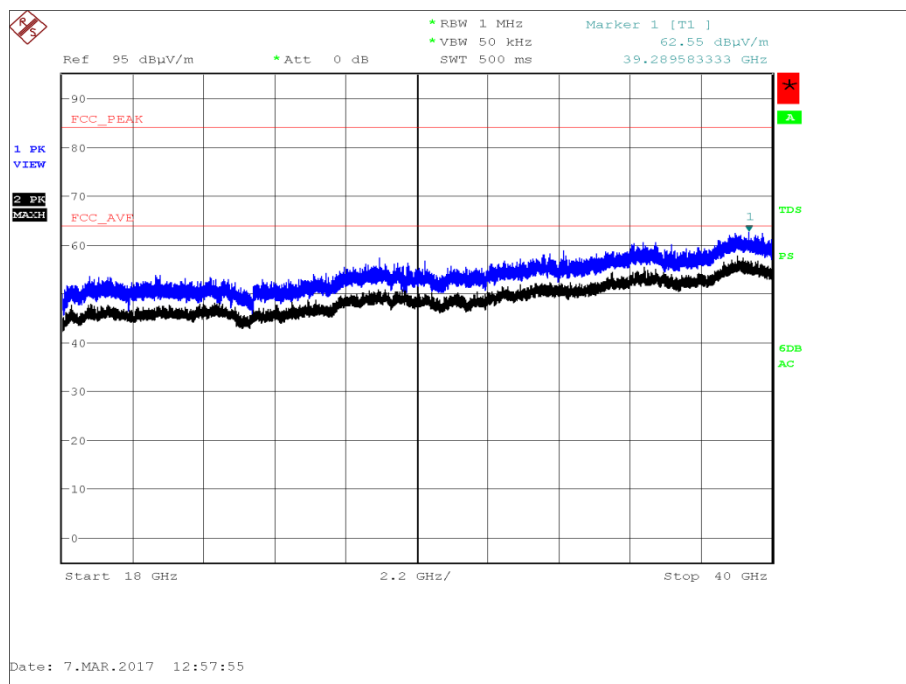


Figure 333 - U-NII 1 - 5200 MHz - 18 GHz to 40 GHz



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.635	32.3	40.0	-7.7	120	1.00	Vertical
47.263	32.5	40.0	-7.5	246	1.00	Vertical
56.200	31.0	40.0	-9.0	305	1.00	Vertical
79.216	33.9	40.0	-6.1	290	2.10	Vertical
227.065	32.4	46.0	-13.6	334	1.00	Vertical
849.944	33.7	46.0	-12.3	305	1.00	Vertical

Table 184 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz - Emissions Results

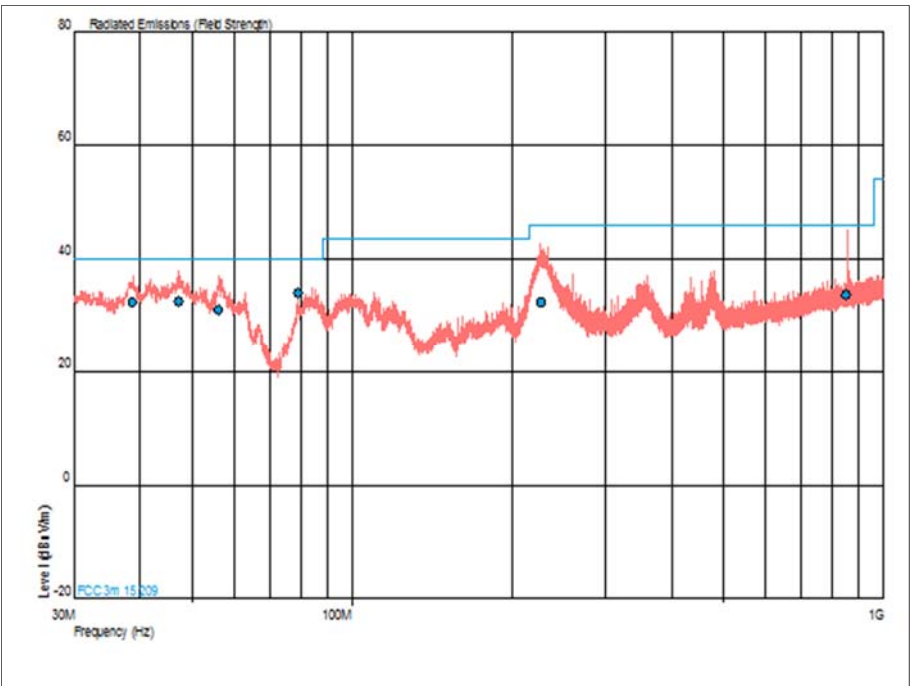


Figure 334 - U-NII 1 - 5240 MHz - 30 MHz to 1 GHz

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

Table 185 - U-NII 1 - 5240 MHz - 1 GHz to 40 GHz - Emissions Results

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

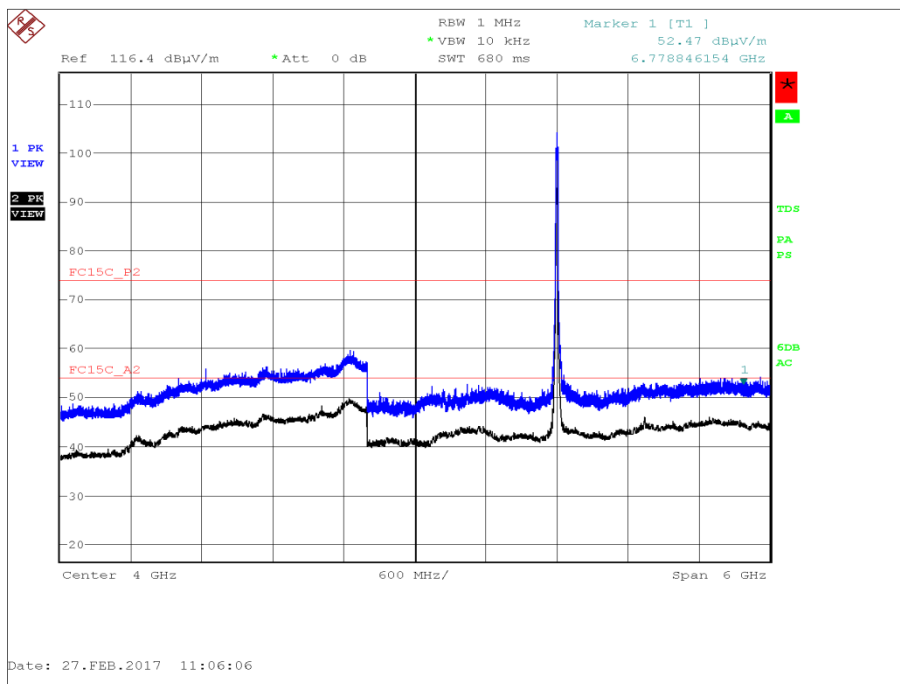


Figure 335 - U-NII 1 - 5240 MHz - 1 GHz to 7 GHz

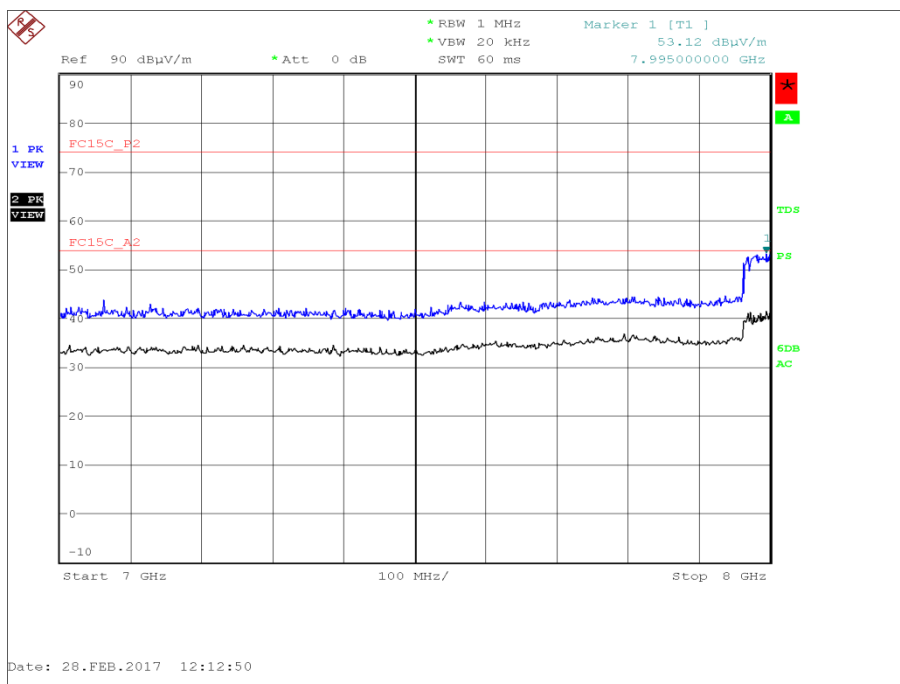


Figure 336 - U-NII 1 - 5240 MHz - 7 GHz to 8 GHz



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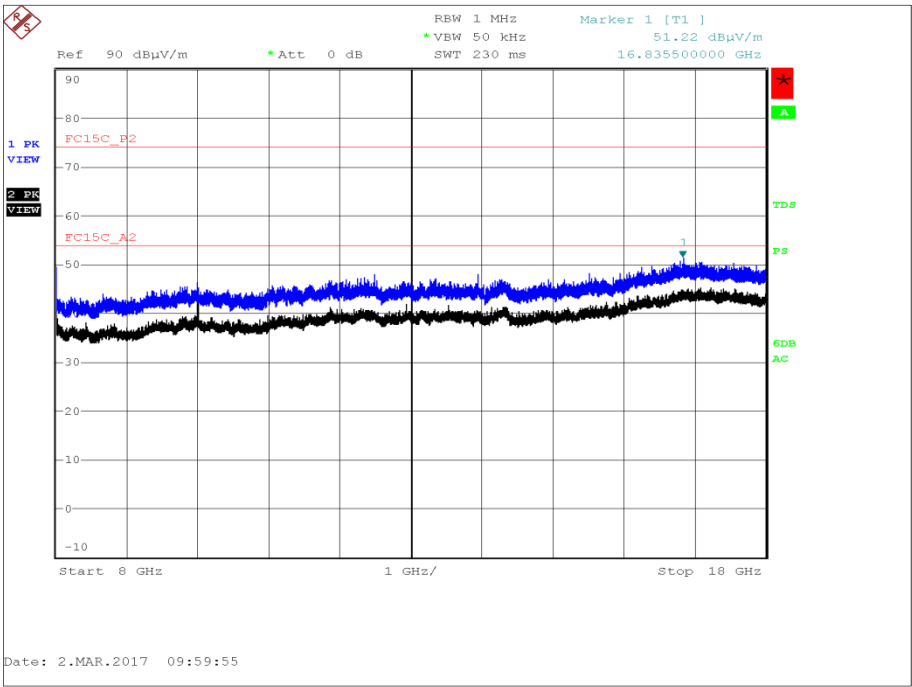


Figure 337 - U-NII 1 - 5240 MHz - 8 GHz to 18 GHz

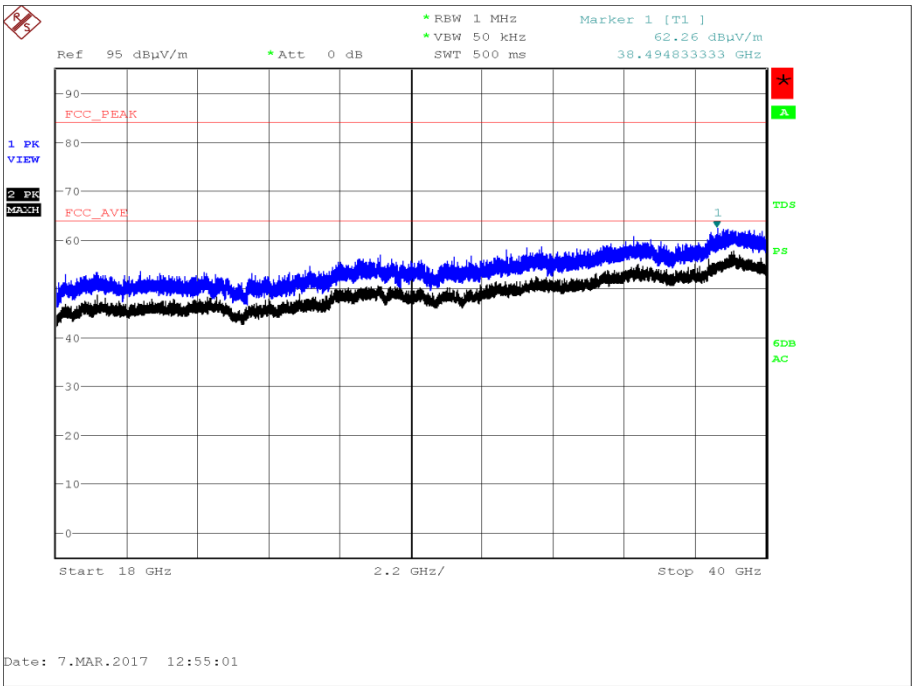


Figure 338 - U-NII 1 - 5240 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
37.960	31.6	40.0	-8.4	317	1.00	Vertical
41.560	32.2	40.0	-7.8	335	1.00	Vertical
57.040	31.4	40.0	-8.6	246	1.46	Vertical
79.232	32.4	40.0	-7.6	76	1.00	Vertical
234.458	29.7	46.0	-16.3	324	1.37	Vertical
851.232	34.3	46.0	-11.7	128	1.00	Horizontal

Table 186 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz - Emissions Results

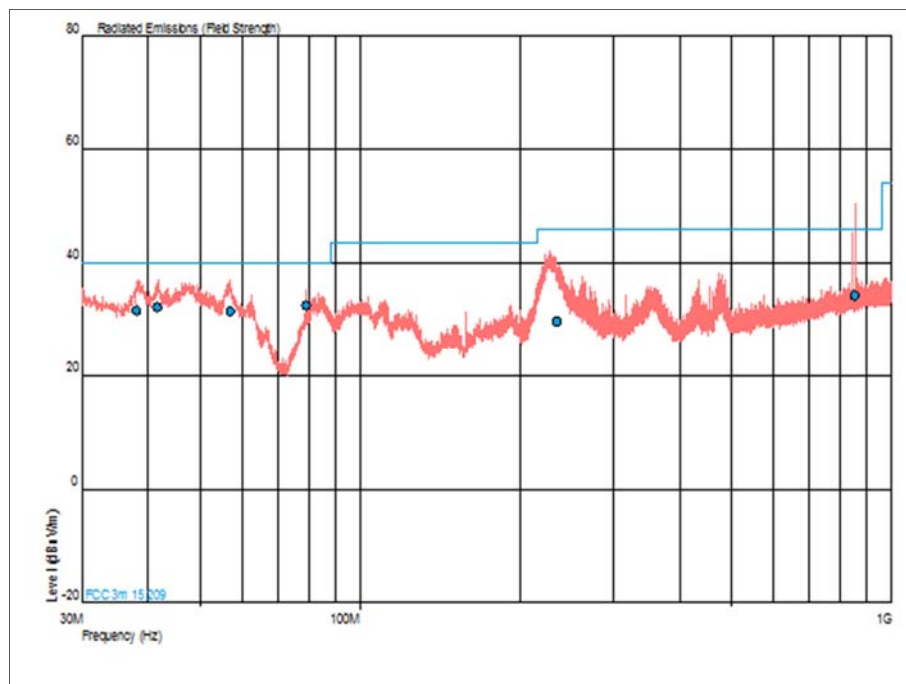


Figure 339 - U-NII 2a - 5260 MHz - 30 MHz to 1 GHz

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

Table 187 - U-NII 2a - 5260 MHz - 1 GHz to 40 GHz - Emissions Results

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



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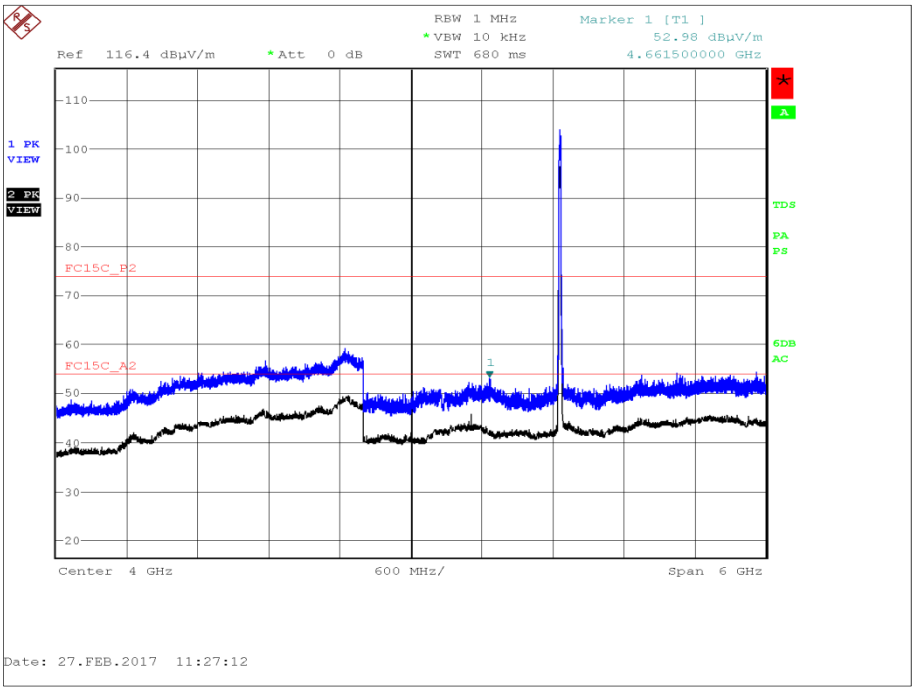


Figure 340 - U-NII 2a - 5260 MHz - 1 GHz to 7 GHz

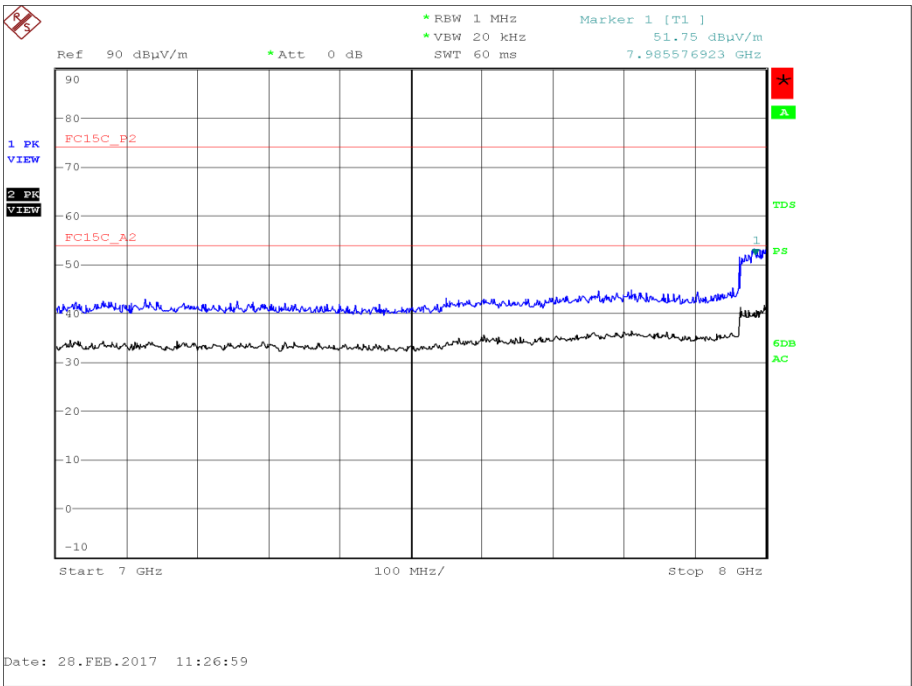


Figure 341 - U-NII 2a - 5260 MHz - 7 GHz to 8 GHz



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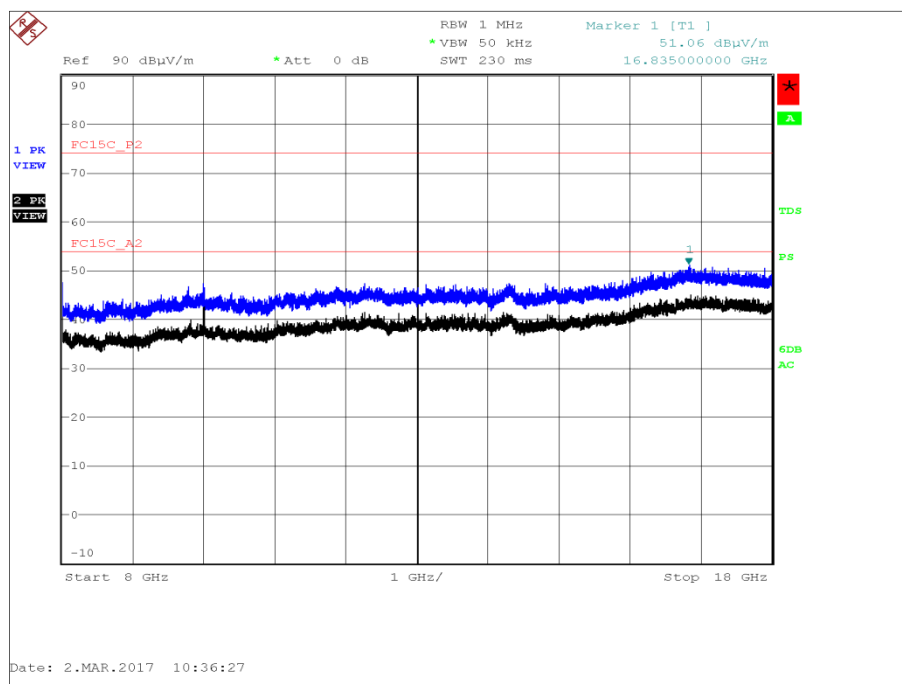


Figure 342 - U-NII 2a - 5260 MHz - 8 GHz to 18 GHz

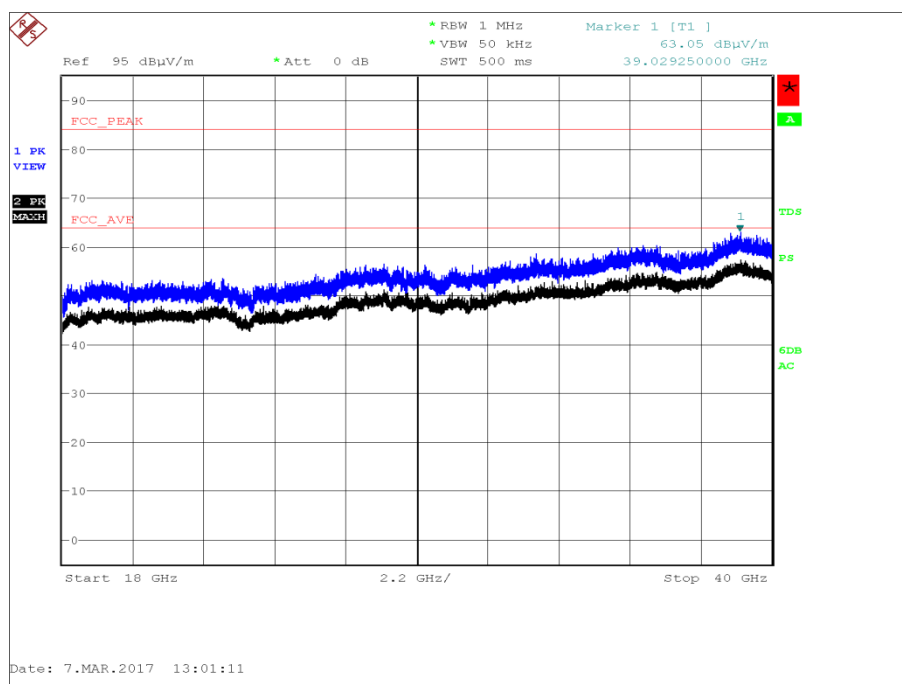


Figure 343 - U-NII 2a - 5260 MHz - 18 GHz to 40 GHz



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.425	32.8	40.0	-7.2	204	1.00	Vertical
56.261	32.9	40.0	-7.1	215	1.00	Vertical
78.303	26.0	40.0	-14.0	310	1.00	Vertical
85.329	29.1	40.0	-10.9	296	2.50	Vertical
225.047	38.1	46.0	-7.9	21	1.00	Horizontal
849.560	39.8	46.0	-6.2	360	1.00	Vertical

Table 188 - U-NII 2a - 5280 MHz - 30 MHz to 1 GHz - Emissions Results

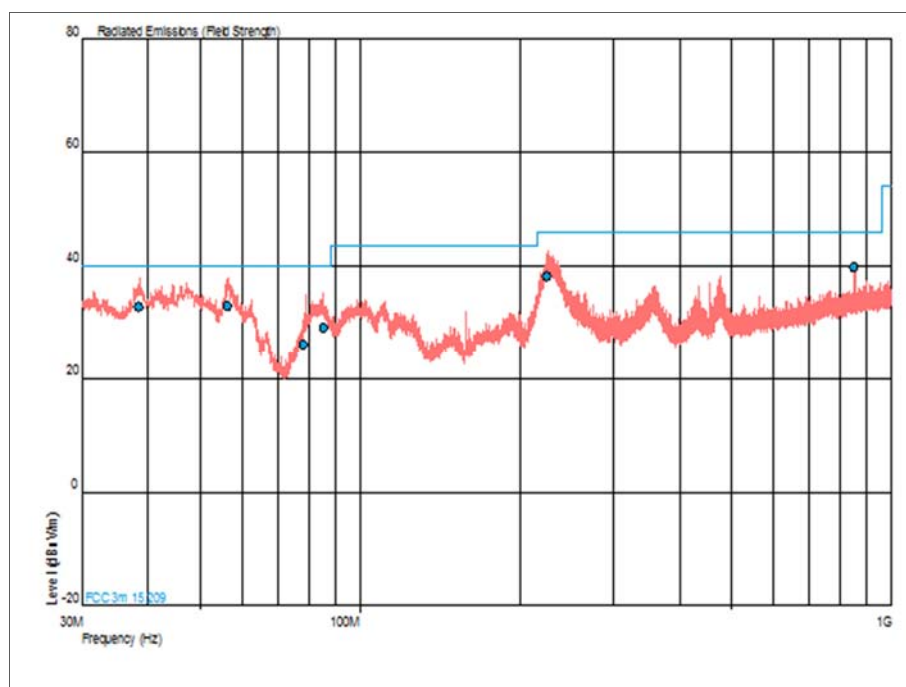


Figure 344 - U-NII 2a - 5280 MHz - 30 MHz to 1 GHz

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

Table 189 - U-NII 2a - 5280 MHz - 1 GHz to 40 GHz - Emissions Results

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



Product Service

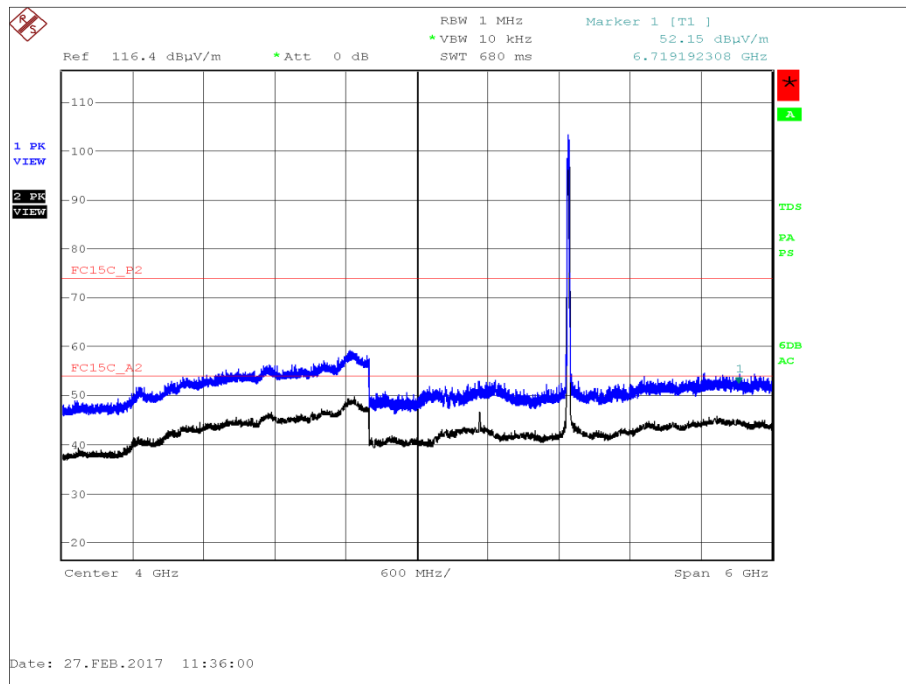


Figure 345 - U-NII 2a - 5280 MHz - 1 GHz to 7 GHz

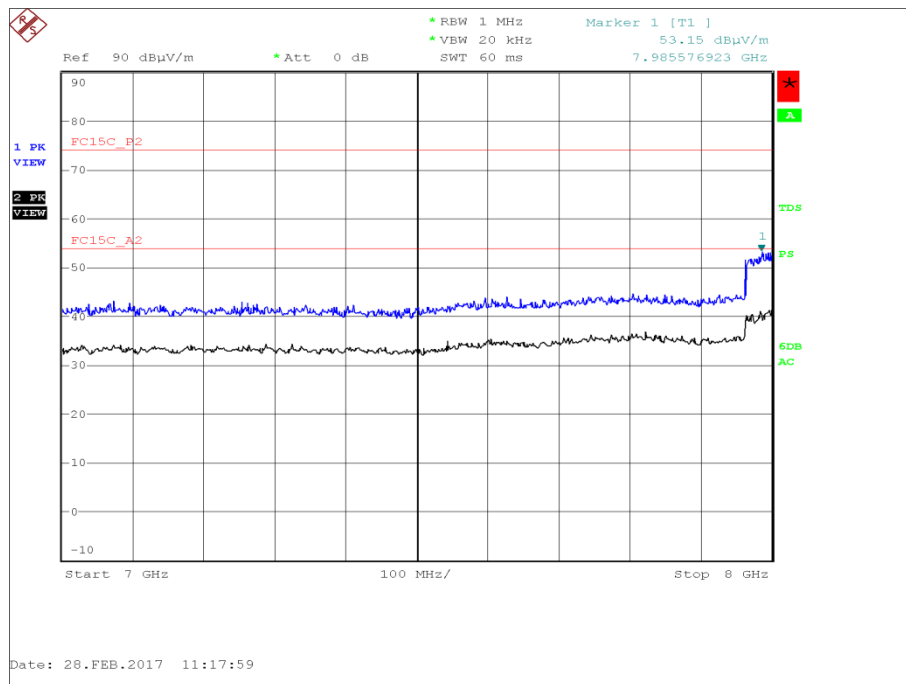


Figure 346 - U-NII 2a - 5280 MHz - 7 GHz to 8 GHz



Product Service

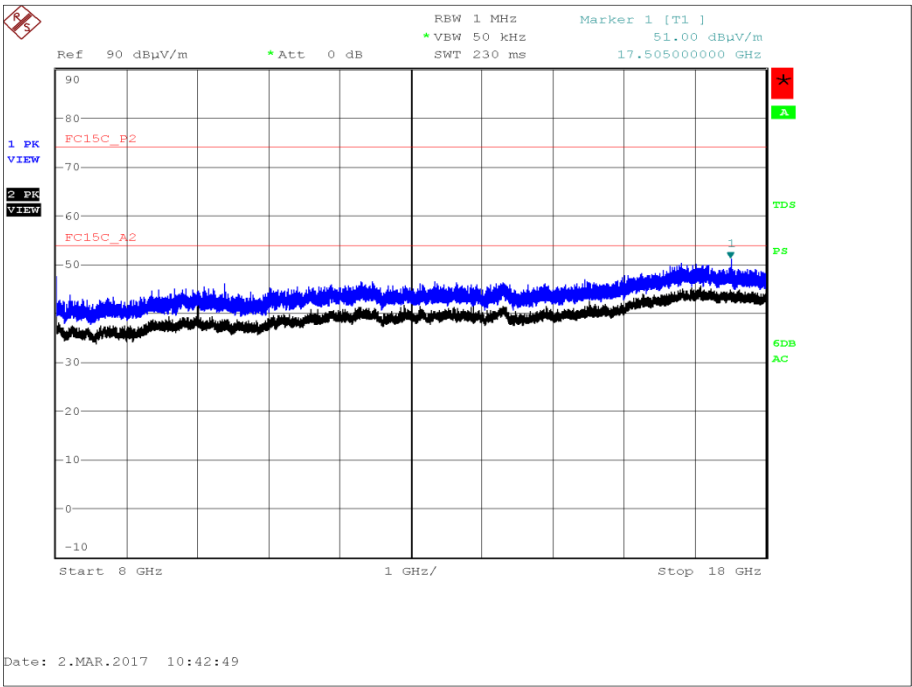


Figure 347 - U-NII 2a - 5280 MHz - 8 GHz to 18 GHz

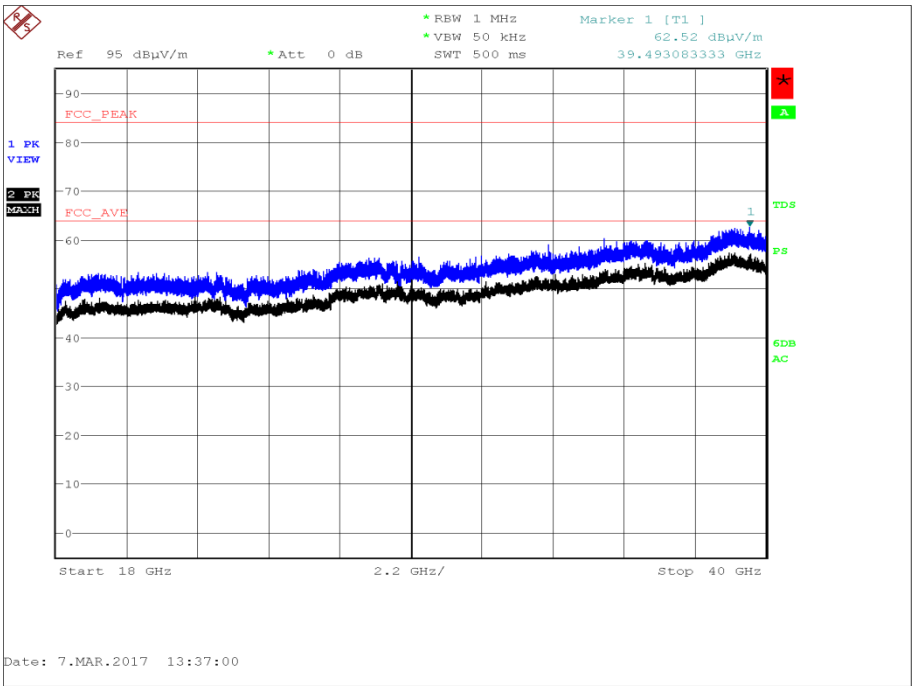


Figure 348 - U-NII 2a - 5280 MHz - 18 GHz to 40 GHz



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.139	31.8	40.0	-8.2	242	1.00	Vertical
46.053	32.0	40.0	-8.0	219	1.00	Vertical
56.636	33.3	40.0	-6.7	238	1.00	Vertical
227.094	37.3	46.0	-8.7	173	1.00	Horizontal
475.136	33.9	46.0	-12.1	360	1.00	Vertical
957.576	34.1	46.0	-11.9	215	1.00	Horizontal

Table 190 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz - Emissions Results

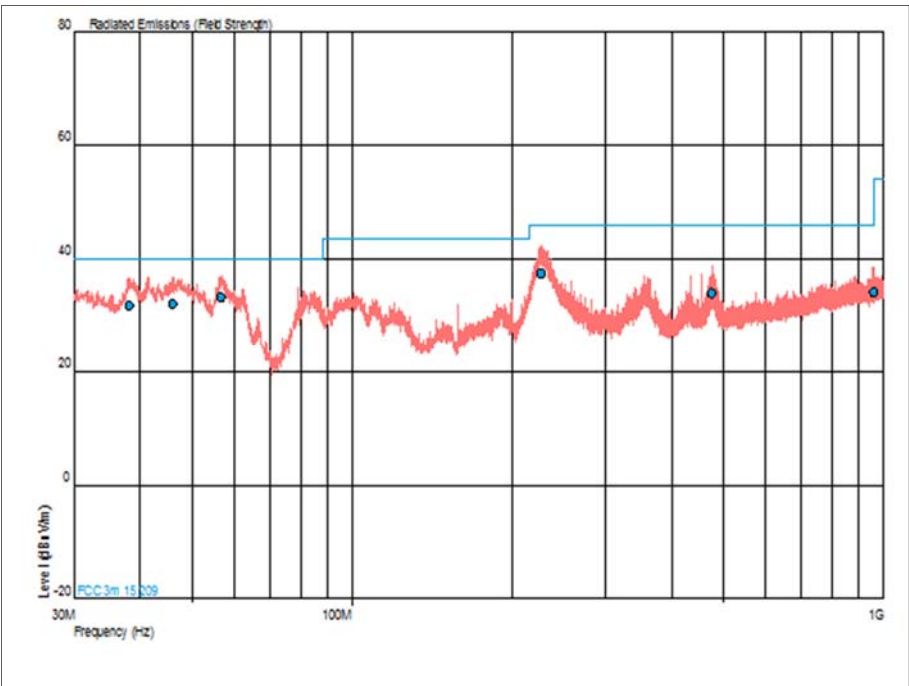


Figure 349 - U-NII 2a - 5320 MHz - 30 MHz to 1 GHz

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

Table 191 - U-NII 2a - 5320 MHz - 1 GHz to 40 GHz - Emissions Results

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



Product Service

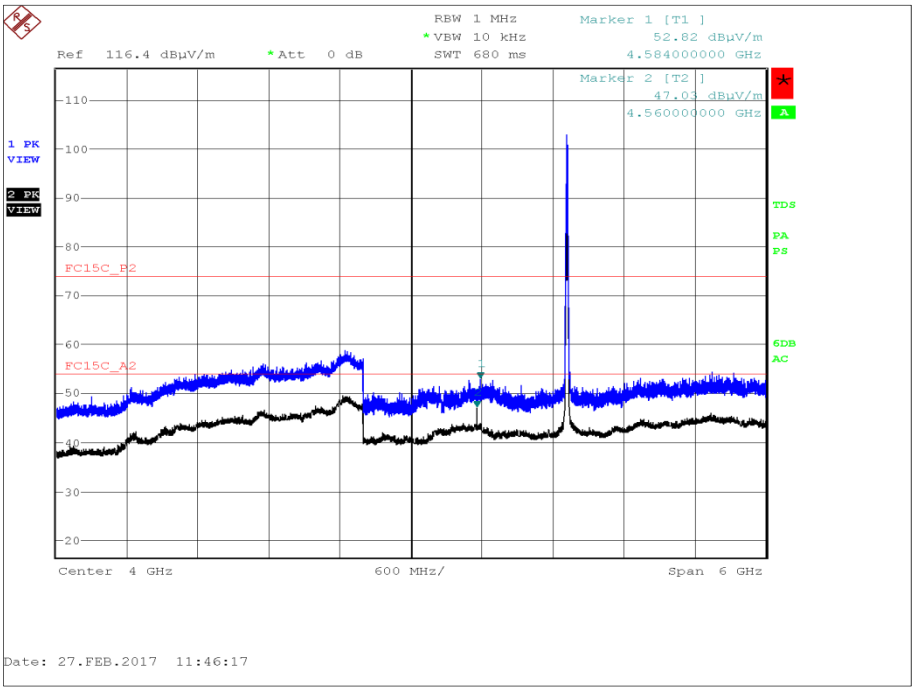


Figure 350 - U-NII 2a - 5320 MHz - 1 GHz to 7 GHz

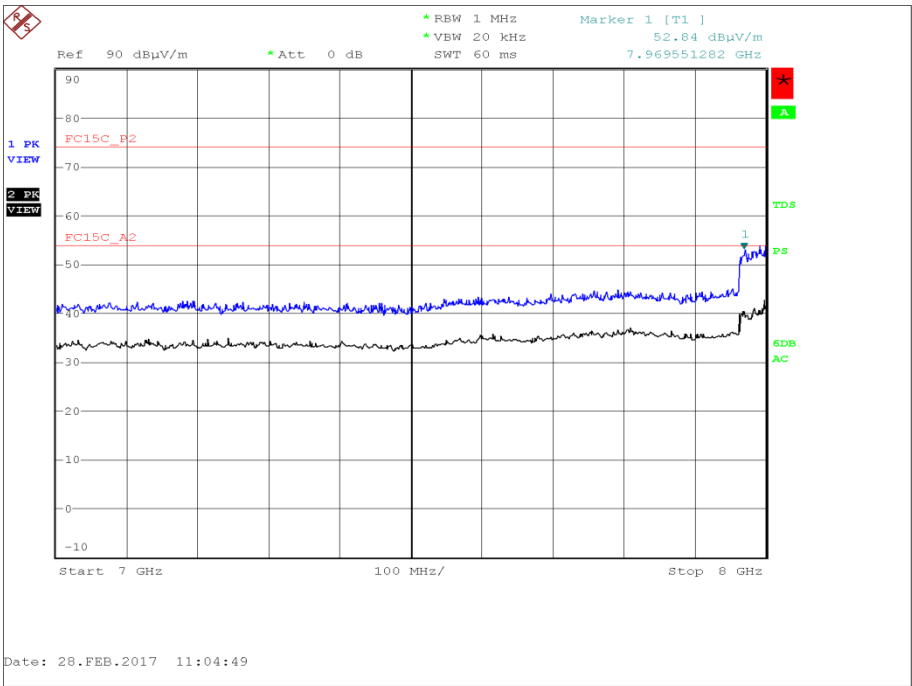


Figure 351 - U-NII 2a - 5320 MHz - 7 GHz to 8 GHz



Product Service

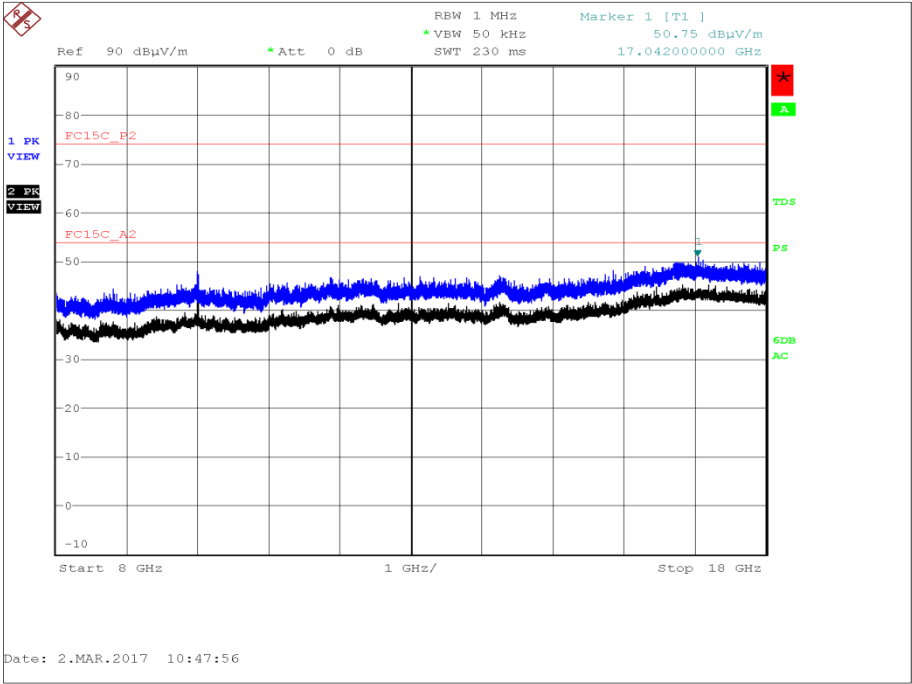


Figure 352 - U-NII 2a - 5320 MHz - 8 GHz to 18 GHz

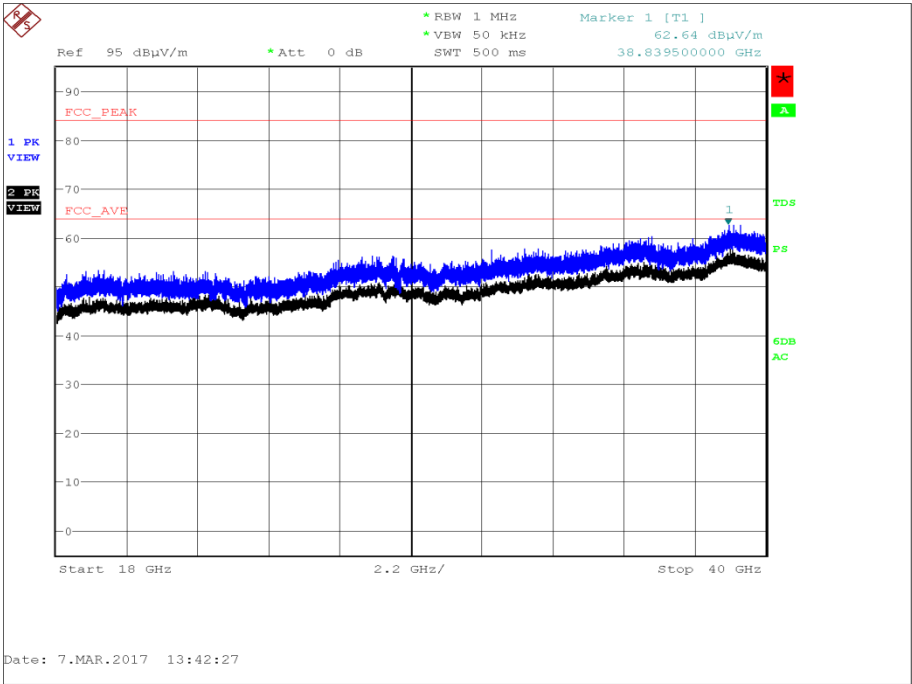


Figure 353 - U-NII 2a - 5320 MHz - 18 GHz to 40 GHz



Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.273	32.2	40.0	-7.8	285	1.00	Vertical
40.768	31.1	40.0	-8.9	315	1.00	Vertical
47.702	32.6	40.0	-7.4	220	1.08	Vertical
56.931	33.4	40.0	-6.6	251	1.00	Vertical
79.239	33.5	40.0	-6.5	270	1.69	Vertical
230.379	31.2	46.0	-14.8	147	1.00	Vertical

Table 192 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz - Emissions Results

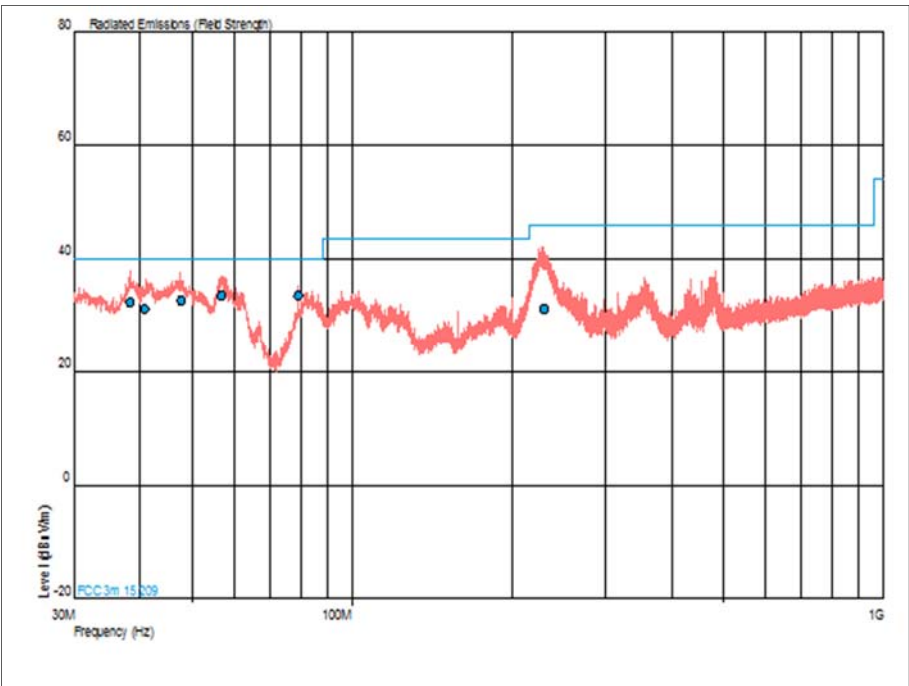


Figure 354 - U-NII 2c - 5500 MHz - 30 MHz to 1 GHz

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

Table 193 - U-NII 2c - 5500 MHz - 1 GHz to 40 GHz - Emissions Results

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



Product Service

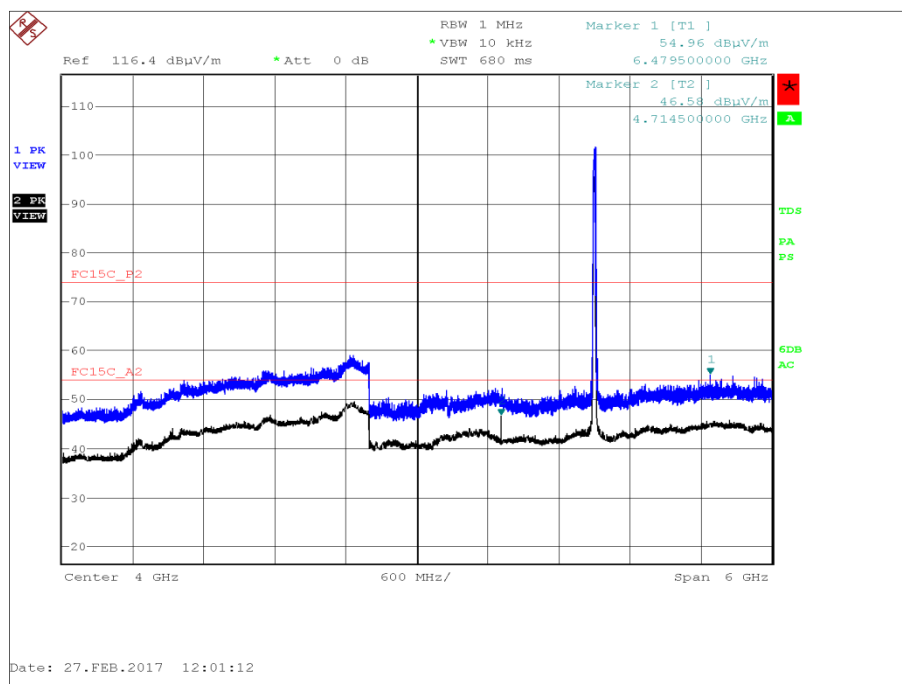


Figure 355 - U-NII 2c - 5500 MHz - 1 GHz to 7 GHz

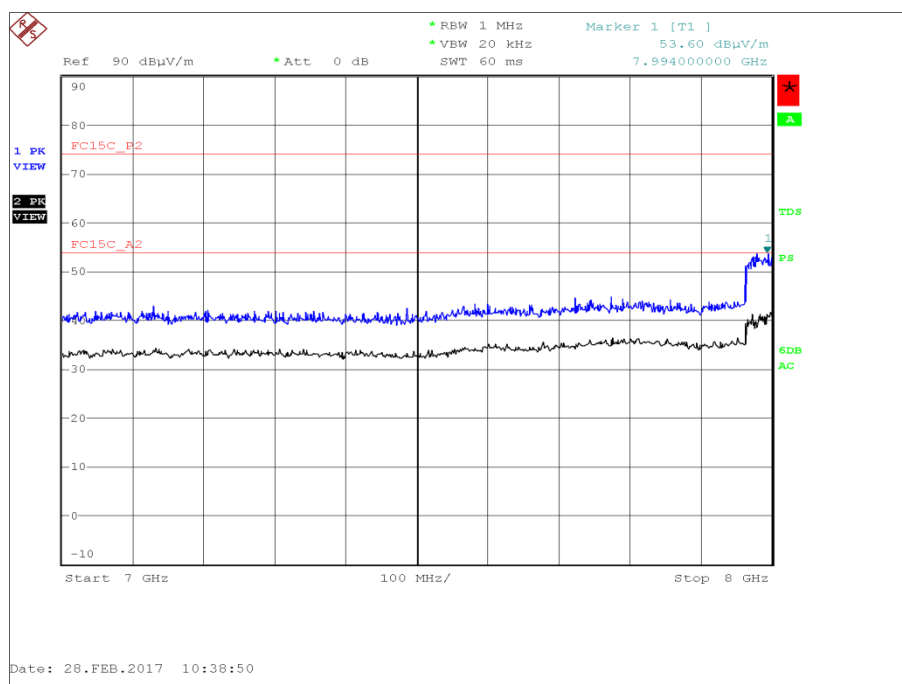


Figure 356 - U-NII 2c - 5500 MHz - 7 GHz to 8 GHz



Product Service

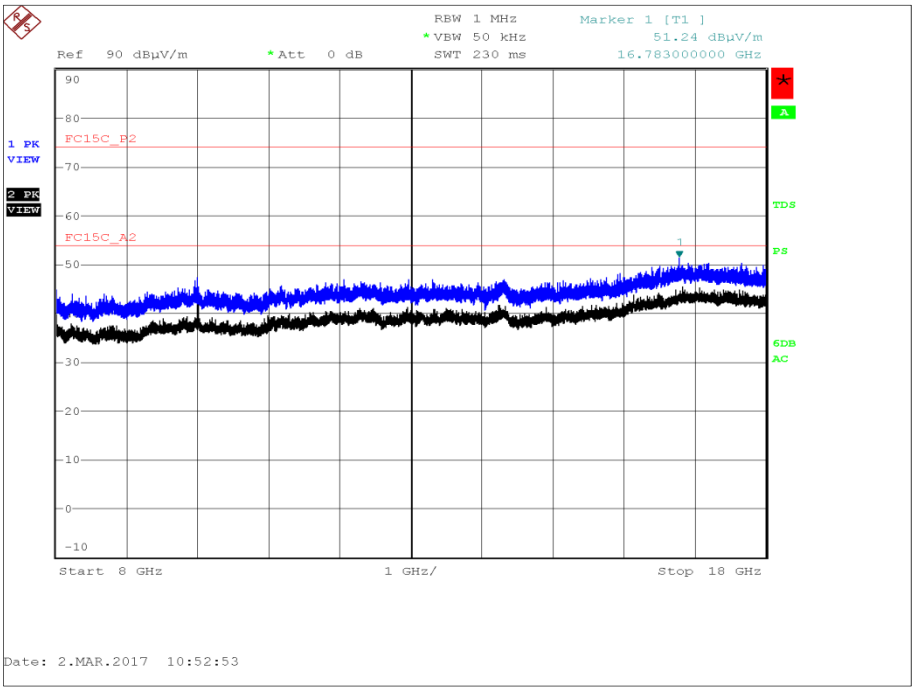


Figure 357 - U-NII 2c - 5500 MHz - 8 GHz to 18 GHz

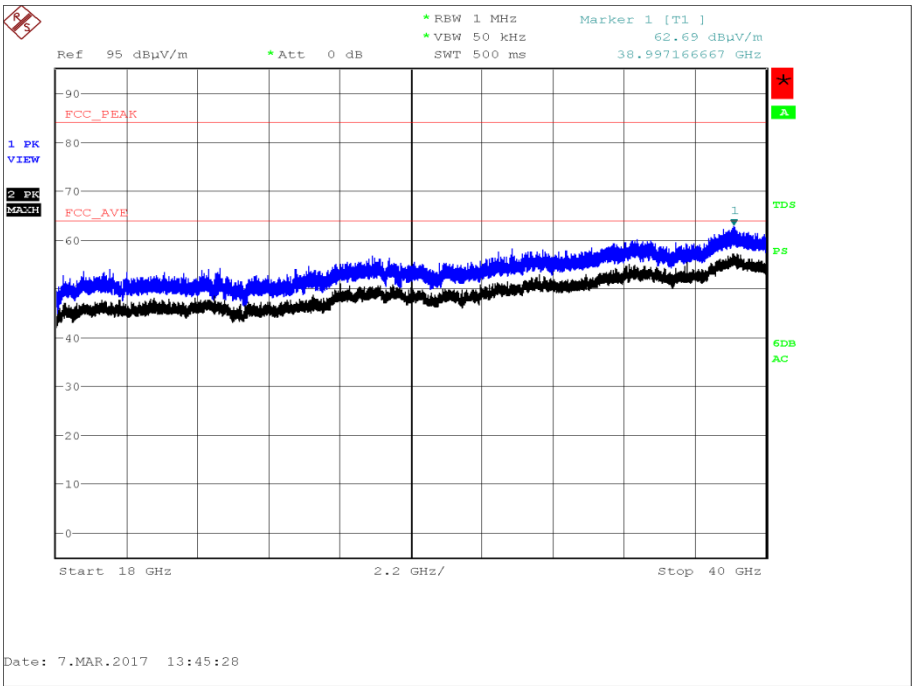


Figure 358 - U-NII 2c - 5500 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.331	33.0	40.0	-7.0	125	1.00	Vertical
46.600	31.8	40.0	-8.2	204	1.00	Vertical
56.771	33.1	40.0	-6.9	243	1.00	Vertical
79.213	32.8	40.0	-7.2	249	1.57	Vertical
225.110	38.7	46.0	-7.3	199	1.00	Horizontal
477.387	33.0	46.0	-13.0	0	1.00	Vertical

Table 194 - U-NII 2c - 5600 - 30 MHz to 1 GHz - Emissions Results

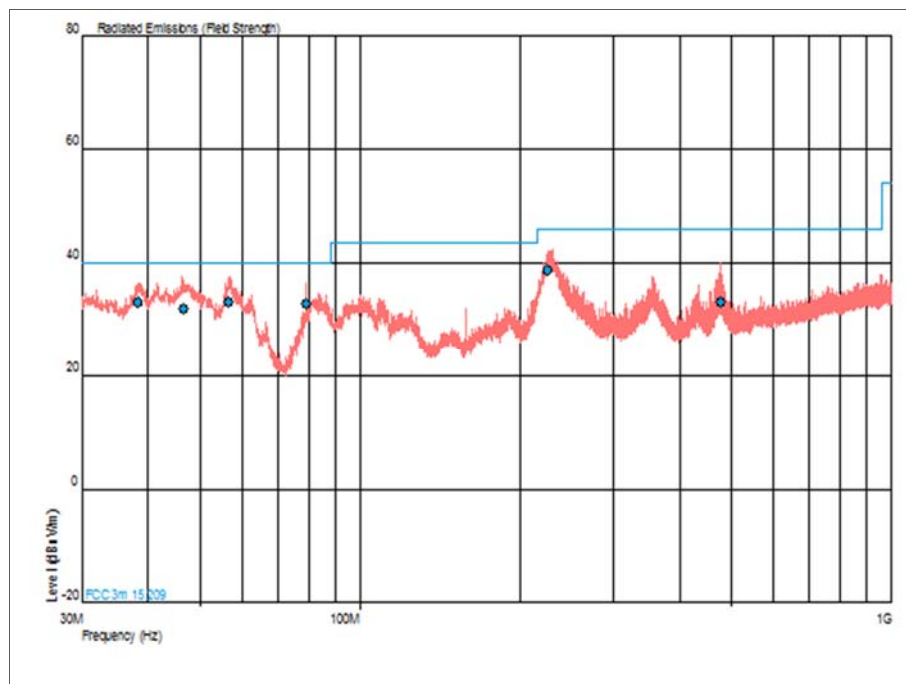


Figure 359 - U-NII 2c - 5600 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.799	55.88	49.72	74.00	54.00	18.12	4.28
16.800	57.82	45.80	74.00	54.00	18.18	8.20

Table 195 - U-NII 2c - 5600 MHz - 1 GHz to 40 GHz - Emissions Results

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

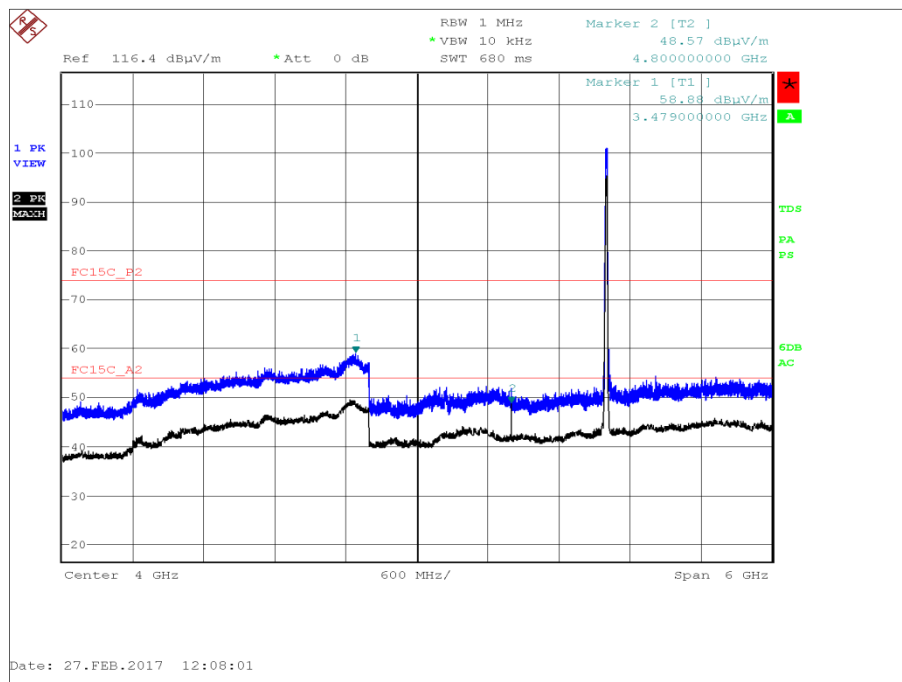


Figure 360 - U-NII 2c - 5600 MHz - 1 GHz to 7 GHz

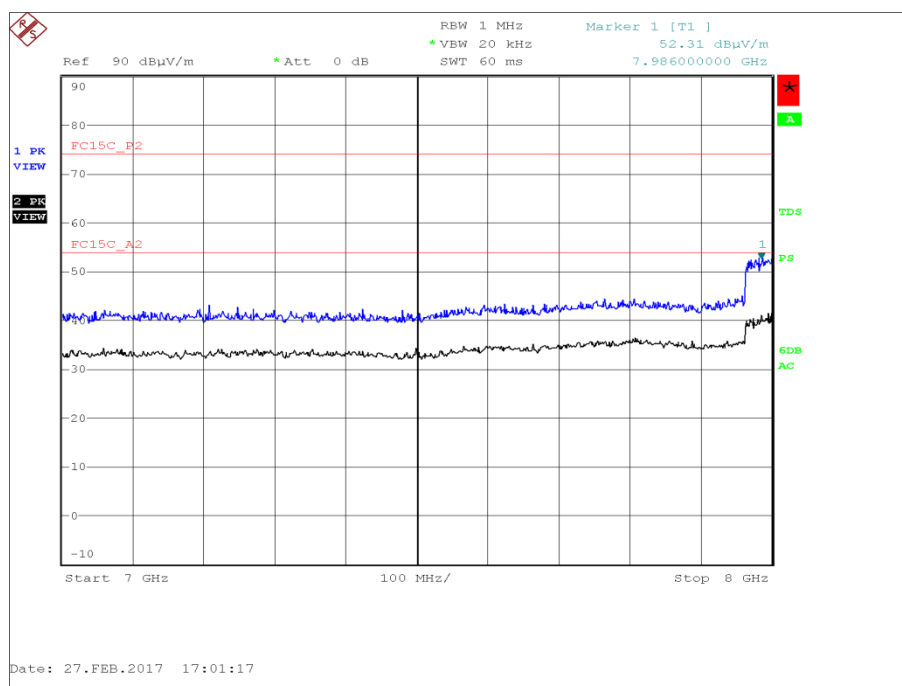


Figure 361 - U-NII 2c - 5600 MHz - 7 GHz to 8 GHz



Product Service

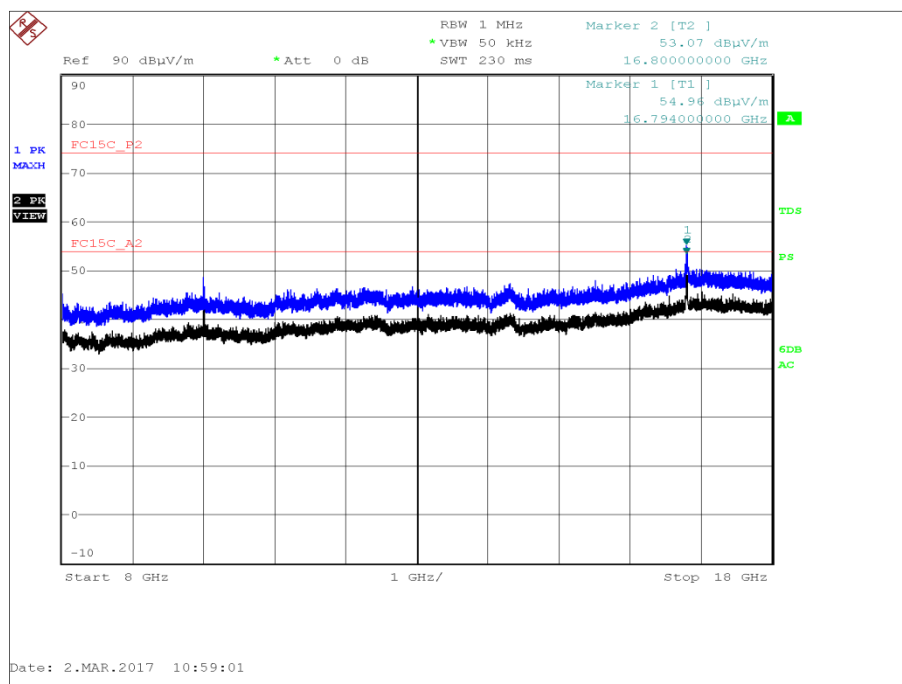


Figure 362 - U-NII 2c - 5600 MHz - 8 GHz to 18 GHz

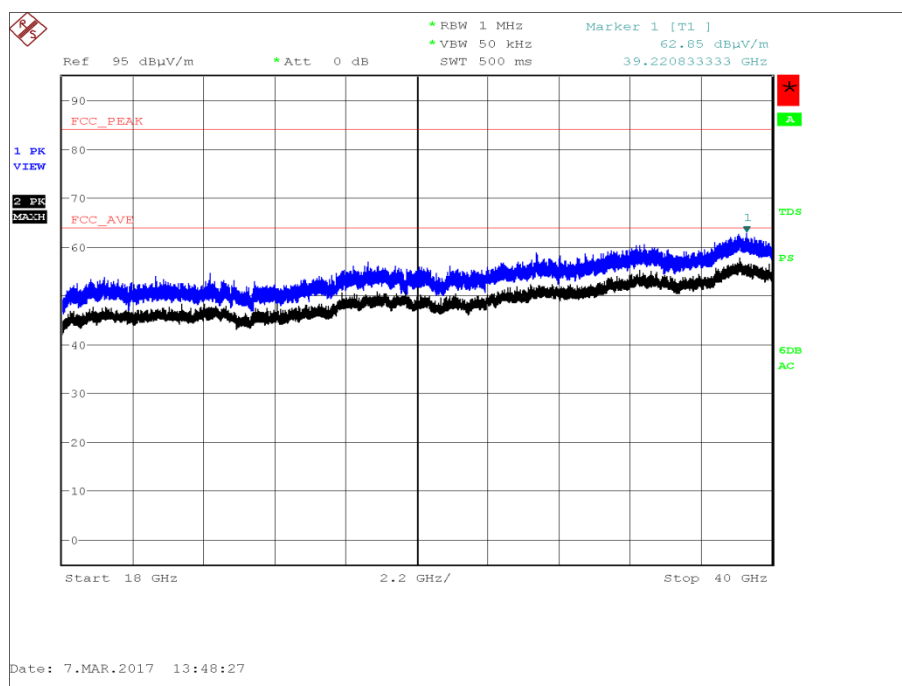


Figure 363 - U-NII 2c - 5600 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
39.097	31.3	40.0	-8.7	237	1.00	Vertical
47.523	31.6	40.0	-8.4	150	1.00	Vertical
56.731	32.4	40.0	-7.6	202	1.00	Vertical
83.494	31.6	40.0	-8.4	108	1.66	Vertical
226.917	39.2	46.0	-6.8	207	1.00	Horizontal
475.809	34.4	46.0	-11.6	17	1.00	Vertical

Table 196 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz - Emissions Results

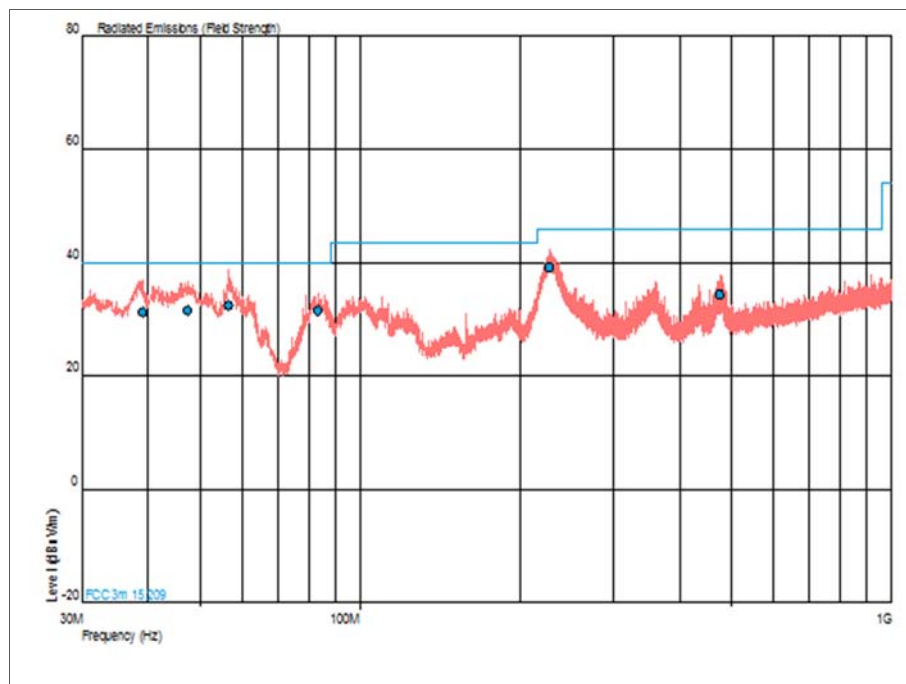


Figure 364 - U-NII 2c - 5700 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.8856	57.41	52.87	74.00	54.00	16.59	1.13

Table 197 - U-NII 2c - 5700 MHz – 1 GHz to 40 GHz - Emissions Results

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

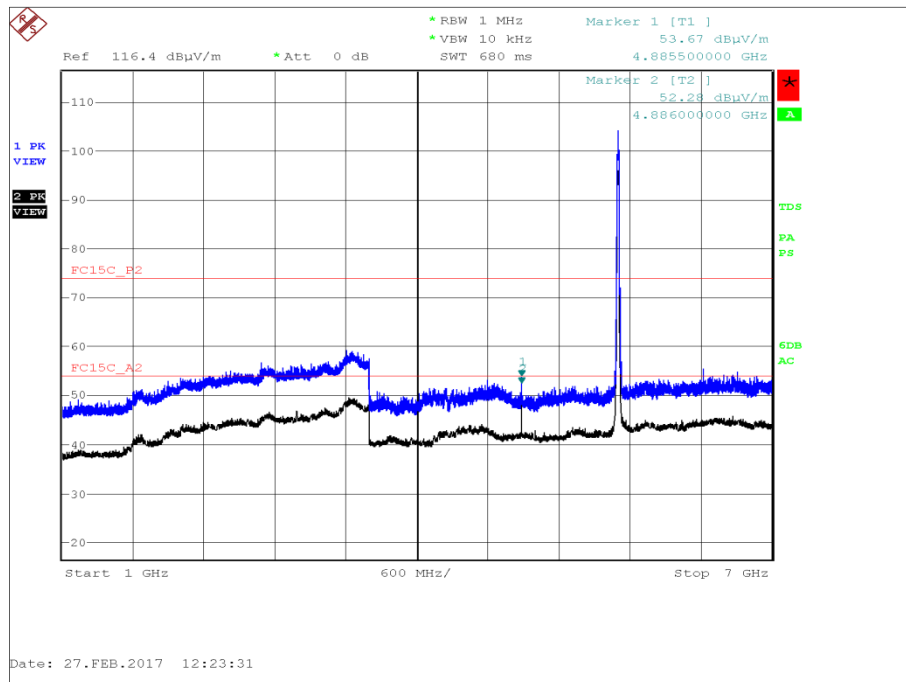


Figure 365 - U-NII 2c - 5700 MHz - 1 GHz to 7 GHz

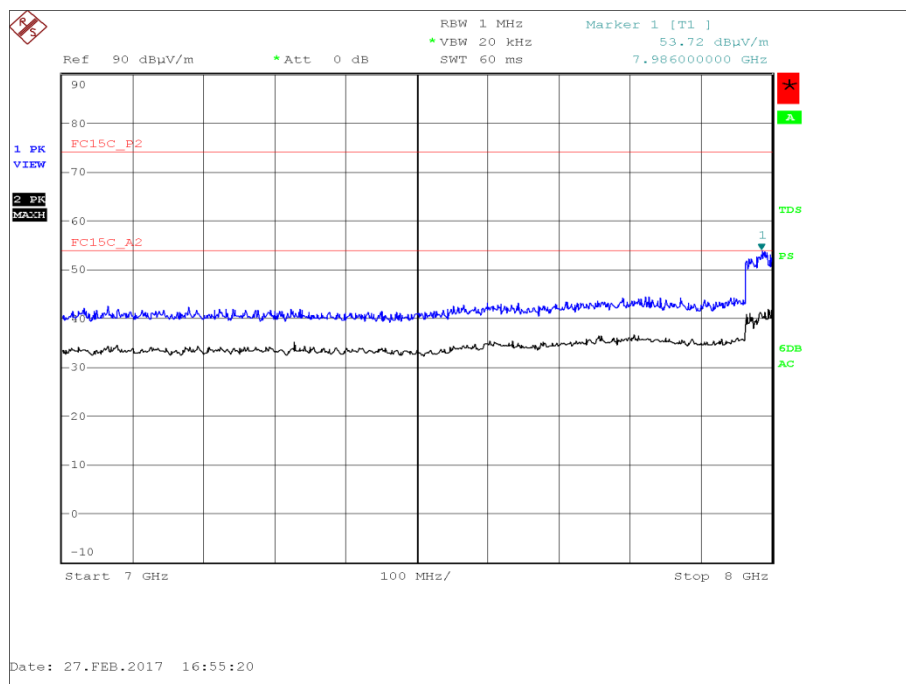


Figure 366 - U-NII 2c - 5700 MHz - 7 GHz to 8 GHz



Product Service

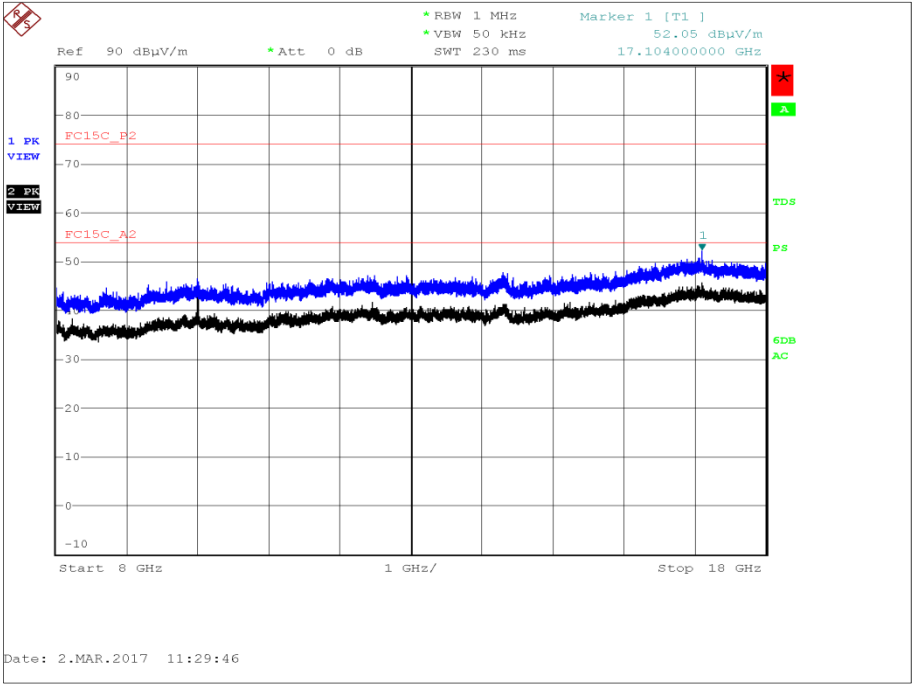


Figure 367 - U-NII 2c - 5700 MHz - 8 GHz to 18 GHz

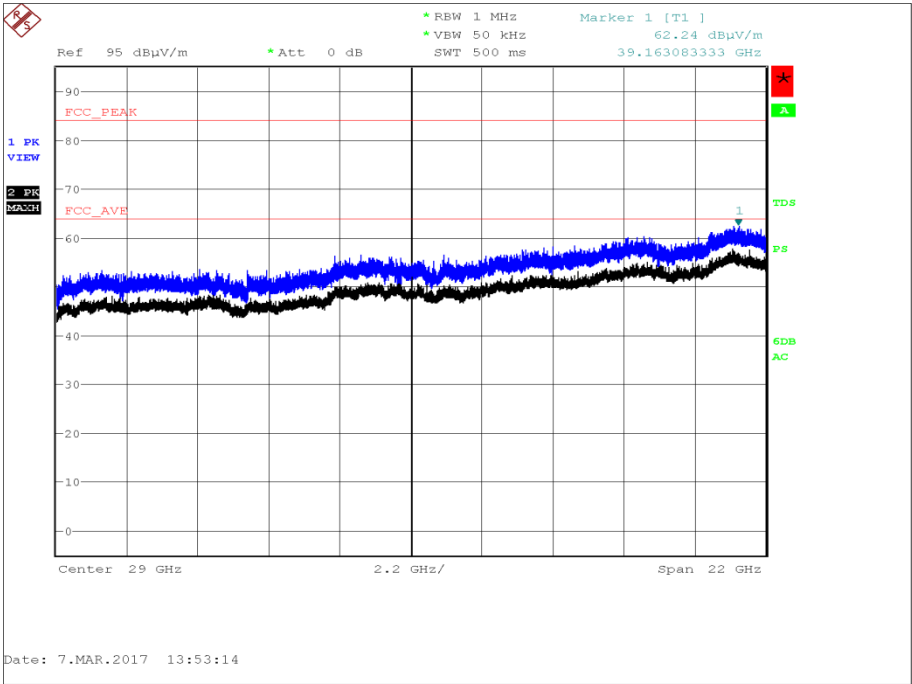


Figure 368 - U-NII 2c - 5700 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
32.927	31.0	40.0	-9.0	131	1.00	Vertical
38.345	32.4	40.0	-7.6	276	1.00	Vertical
48.780	31.2	40.0	-8.8	181	1.00	Vertical
56.186	32.1	40.0	-7.9	207	1.00	Vertical
225.405	38.5	46.0	-7.5	223	1.00	Horizontal
844.667	33.1	46.0	-12.9	47	1.00	Vertical

Table 198 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz - Emissions Results

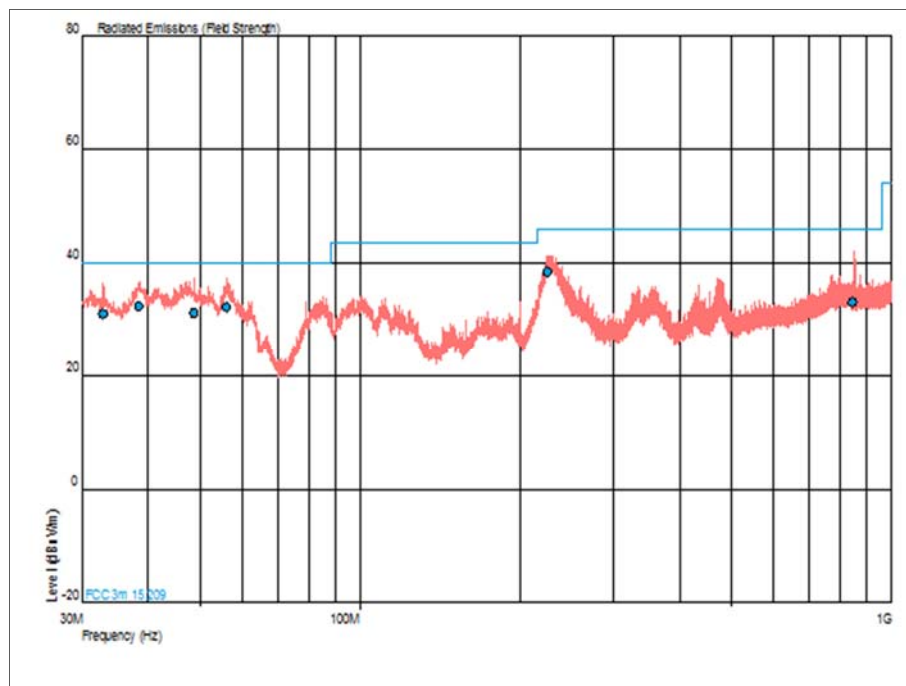


Figure 369 - U-NII 3 - 5745 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.924	57.93	53.50	74.00	54.00	20.50	0.50

Table 199 - U-NII 3 - 5745 MHz - 1 GHz to 40 GHz - Emissions Results

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



Product Service

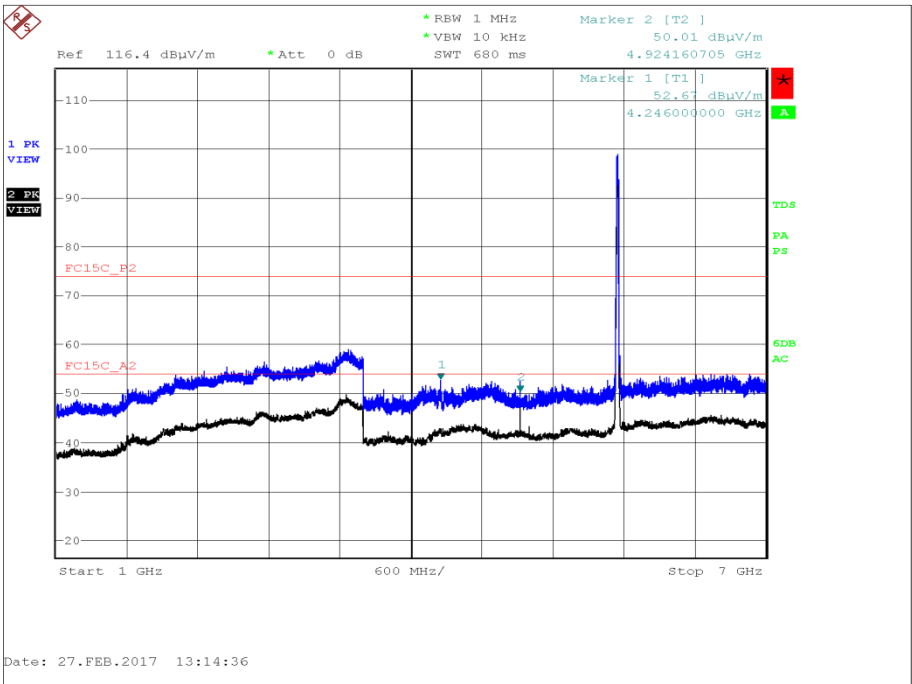


Figure 370 - U-NII 3 - 5745 MHz - 1 GHz to 7 GHz

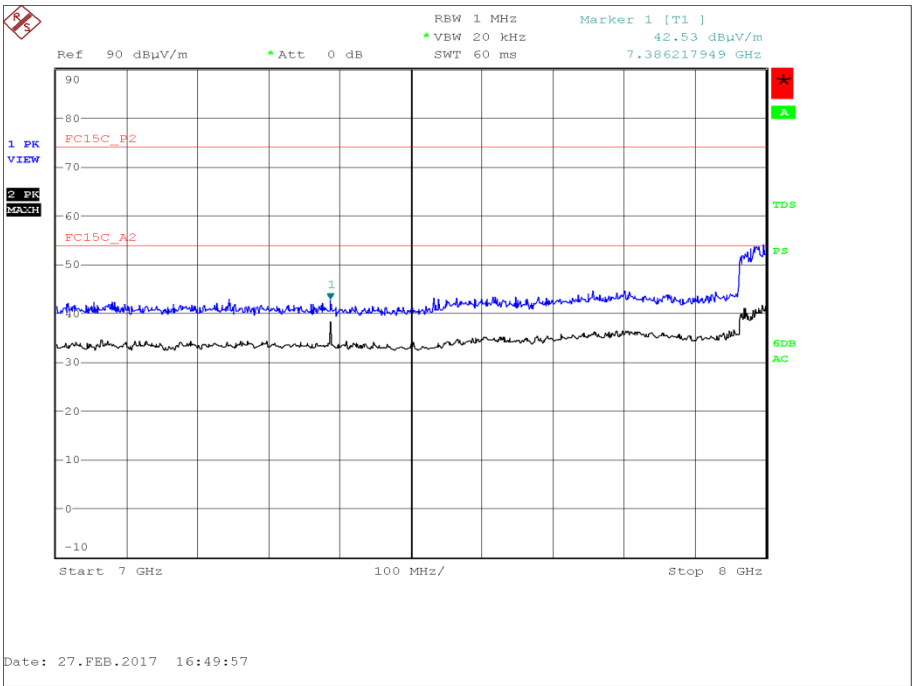


Figure 371 - U-NII 3 - 5745 MHz - 7 GHz to 8 GHz



Product Service

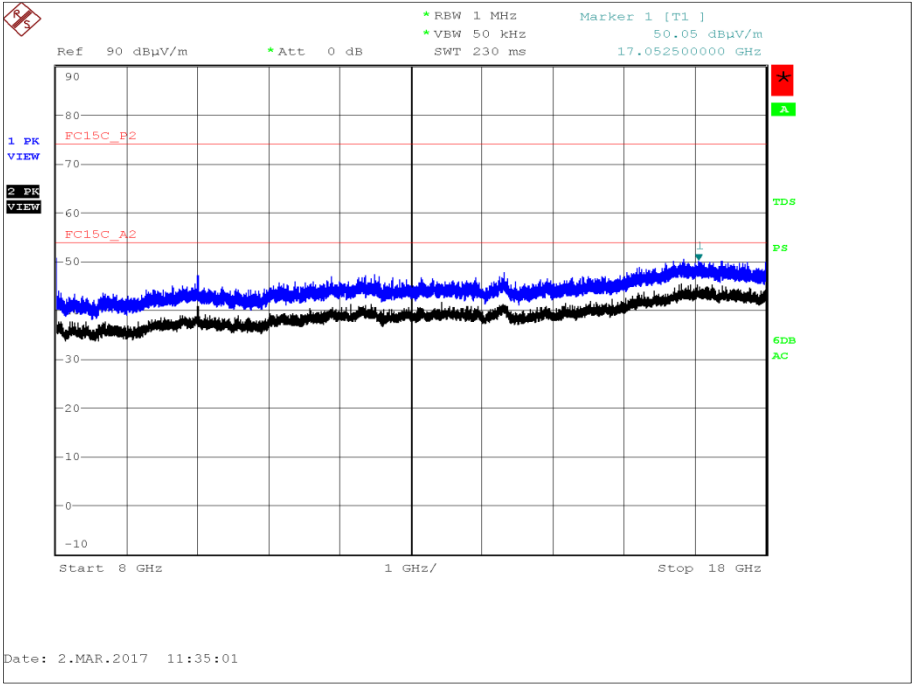


Figure 372 - U-NII 3 - 5745 MHz - 8 GHz to 18 GHz

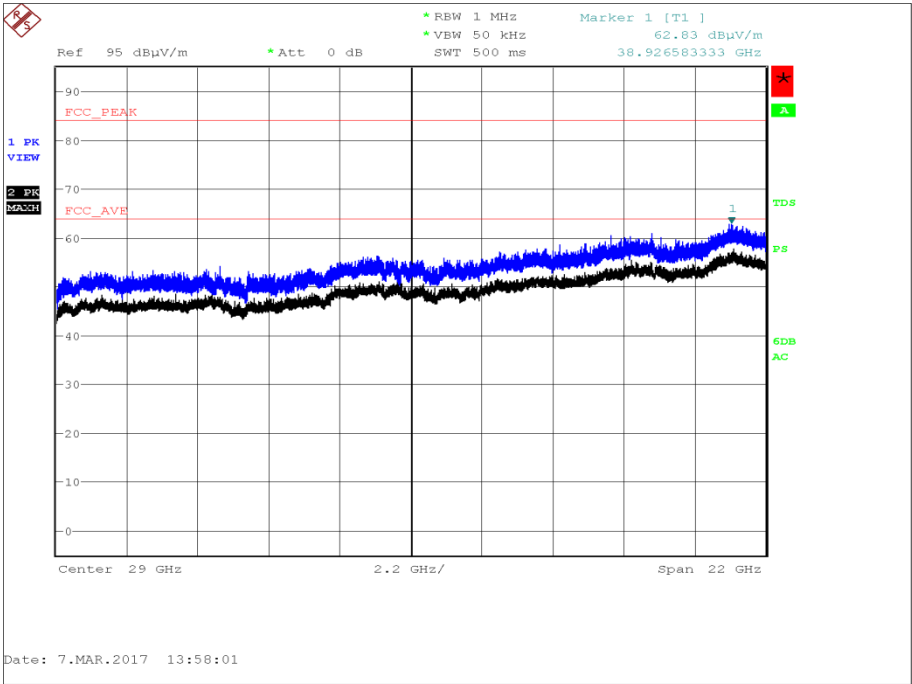


Figure 373 - U-NII 3 - 5745 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
38.161	31.5	40.0	-8.5	212	1.00	Vertical
45.856	31.4	40.0	-8.6	169	1.00	Vertical
55.645	31.7	40.0	-8.3	258	1.00	Vertical
79.203	34.1	40.0	-5.9	278	1.98	Vertical
224.597	39.3	46.0	-6.7	218	1.16	Horizontal
793.779	34.6	46.0	-11.4	46	1.00	Horizontal

Table 200 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz - Emissions Results

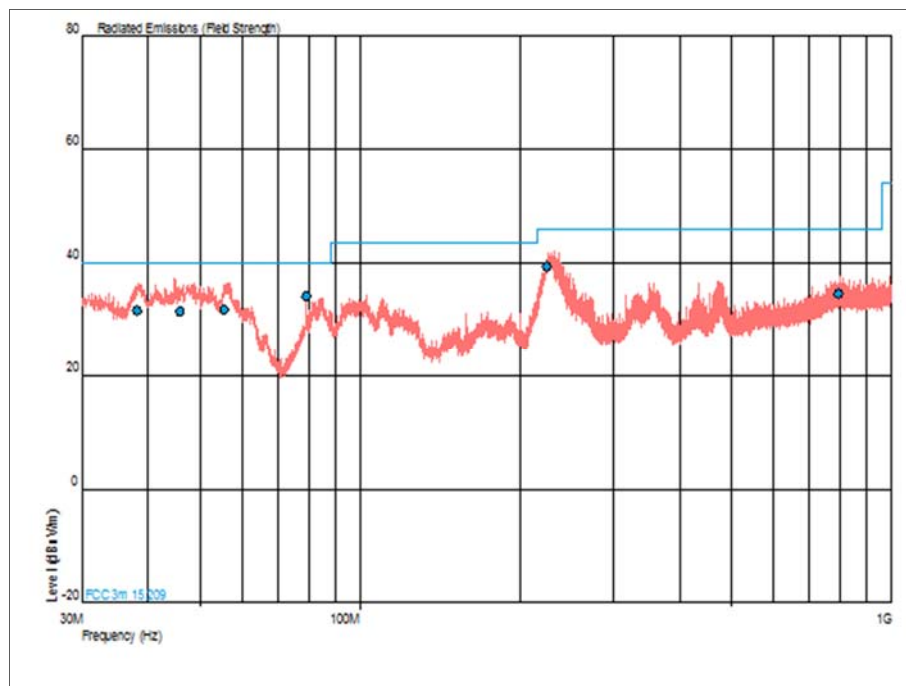


Figure 374 - U-NII 3 - 5785 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.958	58.20	53.99	74.00	54.00	15.80	0.01

Table 201 - U-NII 3 - 5785 - 1 GHz to 40 GHz - Emissions Results

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



Product Service

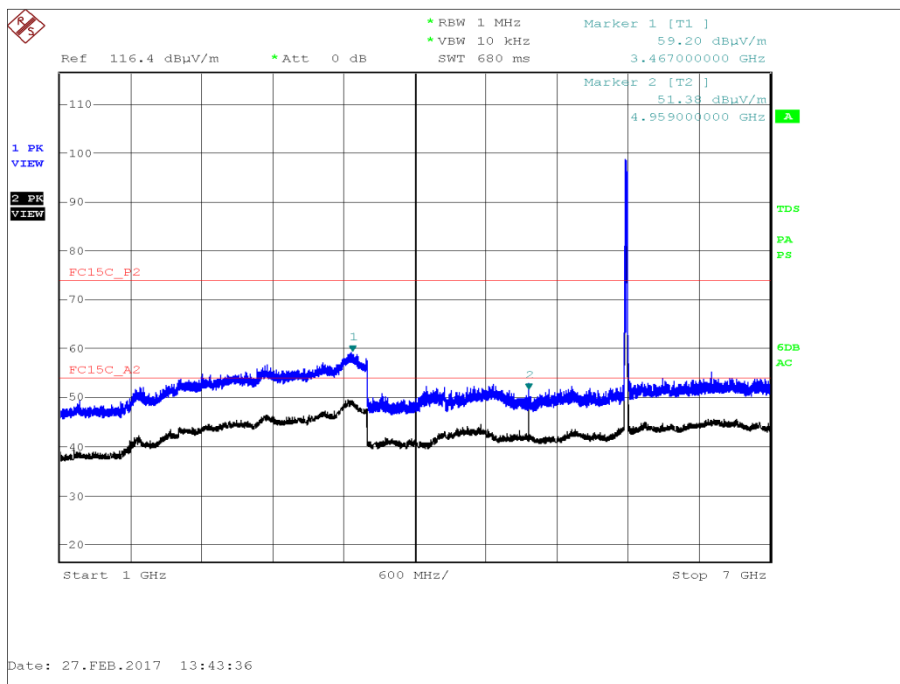


Figure 375 - U-NII 3 - 5785 MHz - 1 GHz to 7 GHz

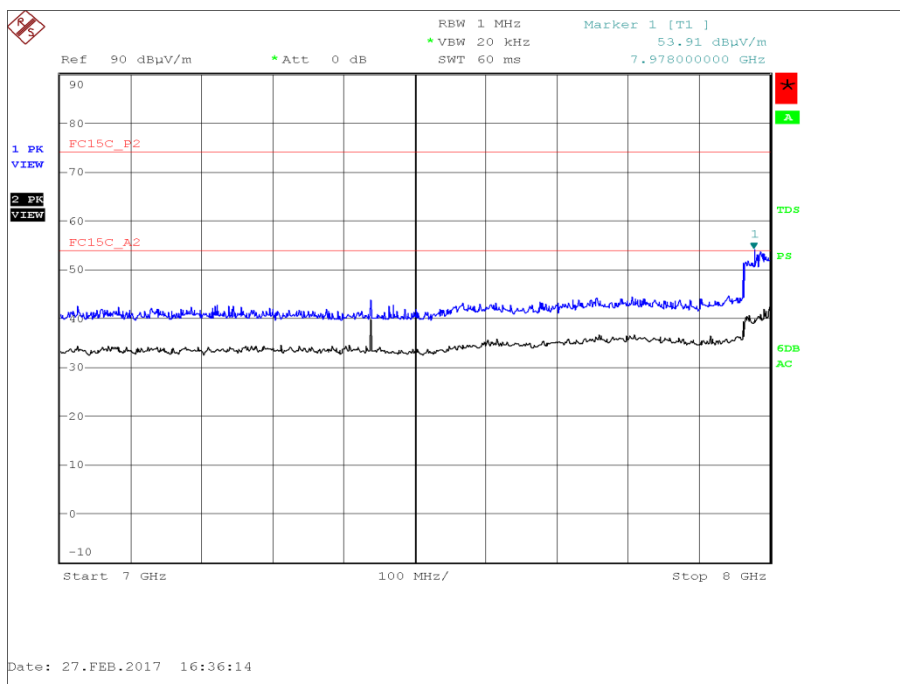


Figure 376 - U-NII 3 - 5785 MHz - 7 GHz to 8 GHz



Product Service

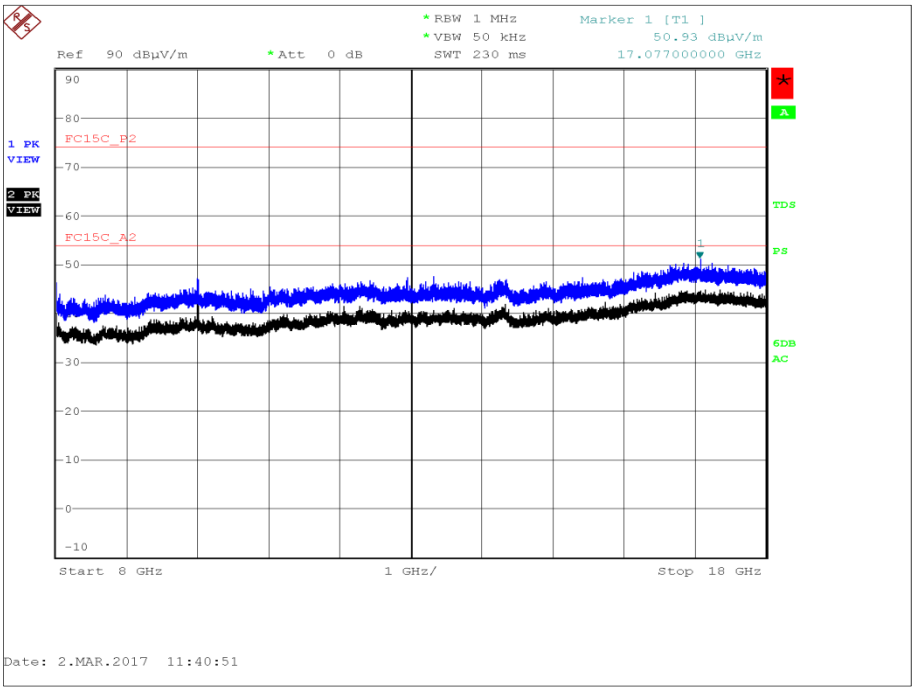


Figure 377 - U-NII 3 - 5785 MHz - 8 GHz to 18 GHz

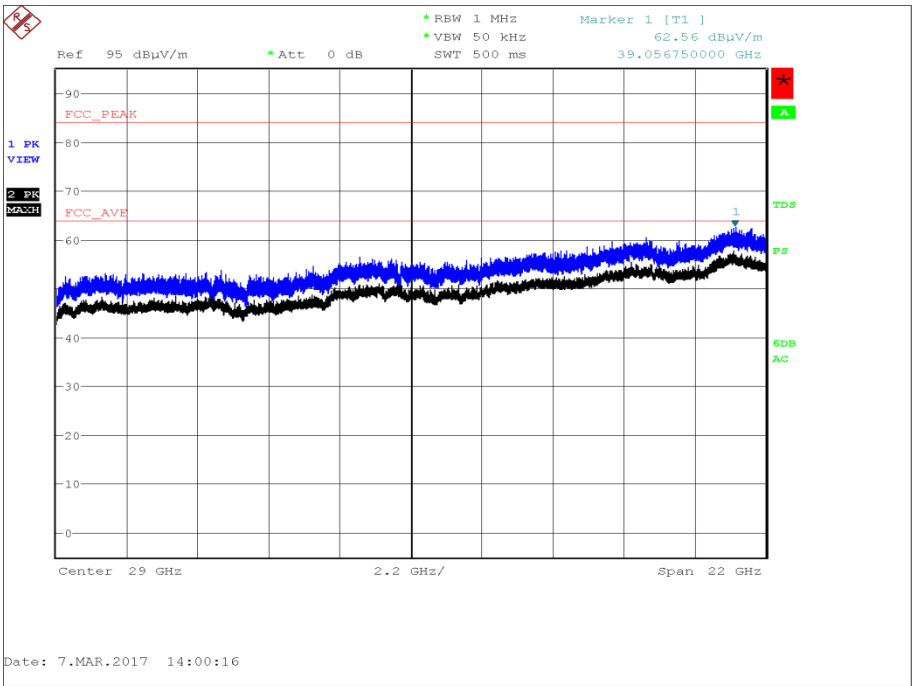


Figure 378 - U-NII 3 - 5785 MHz - 18 GHz to 40 GHz

Frequency (MHz)	QP Level (dBuV/m)	QP Limit (dBuV/m)	QP Margin (dBuV/m)	Angle(Deg)	HeigMCS(m)	Polarity
41.059	31.3	40.0	-8.7	181	1.00	Vertical
52.823	36.6	40.0	-3.4	239	1.00	Vertical
55.447	34.9	40.0	-5.1	213	1.18	Vertical
79.184	32.8	40.0	-7.2	150	1.00	Vertical
228.191	30.2	46.0	-15.8	344	1.36	Vertical
471.127	35.2	46.0	-10.8	2	1.00	Vertical

Table 202 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz - Emissions Results

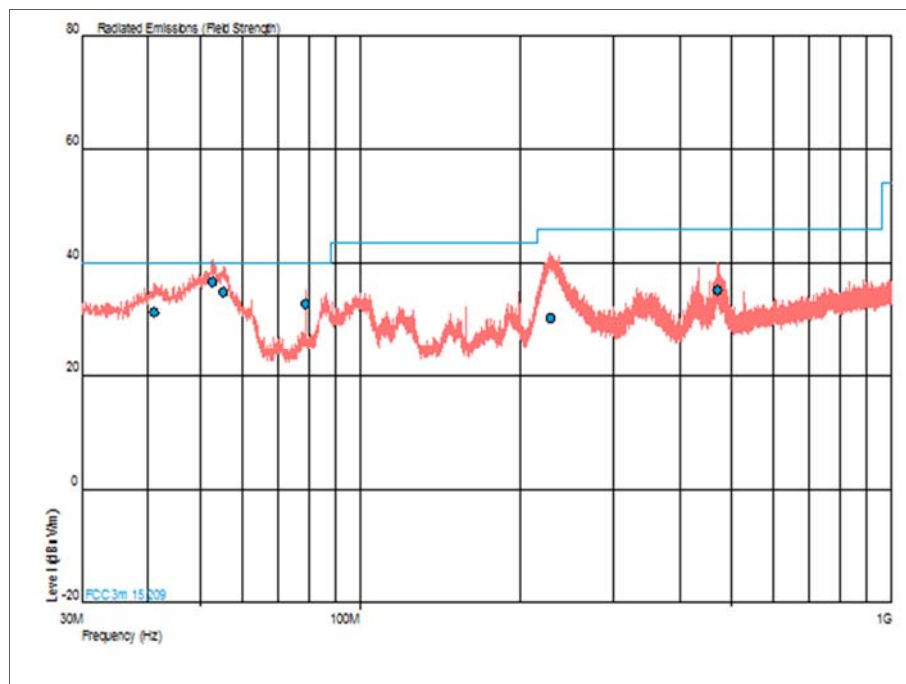


Figure 379 - U-NII 3 - 5825 MHz - 30 MHz to 1 GHz

Frequency (GHz)	Result (μV/m)		Limit (μV/m)		Margin (μV/m)	
	Peak	Average	Peak	Average	Peak	Average
4.9905	56.69	51.48	74.00	54.00	17.31	2.52

Table 203 - U-NII 3 - 5825 MHz - 1 GHz to 40 GHz - Emissions Results

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



Product Service

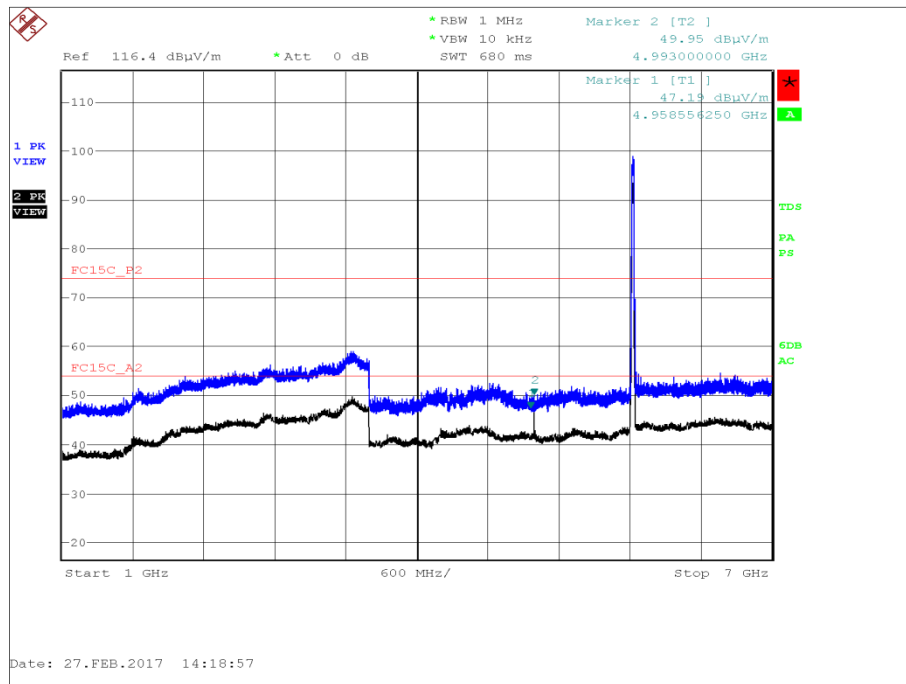


Figure 380 - U-NII 3 - 5825 MHz - 1 GHz to 7 GHz

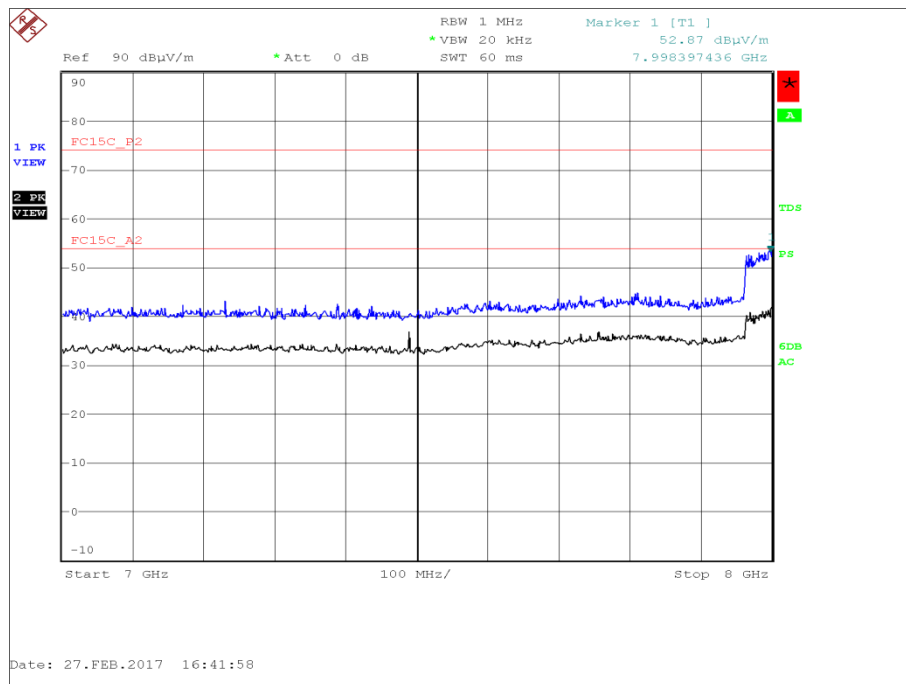


Figure 381 - U-NII 3 - 5825 MHz - 7 GHz to 8 GHz



Product Service

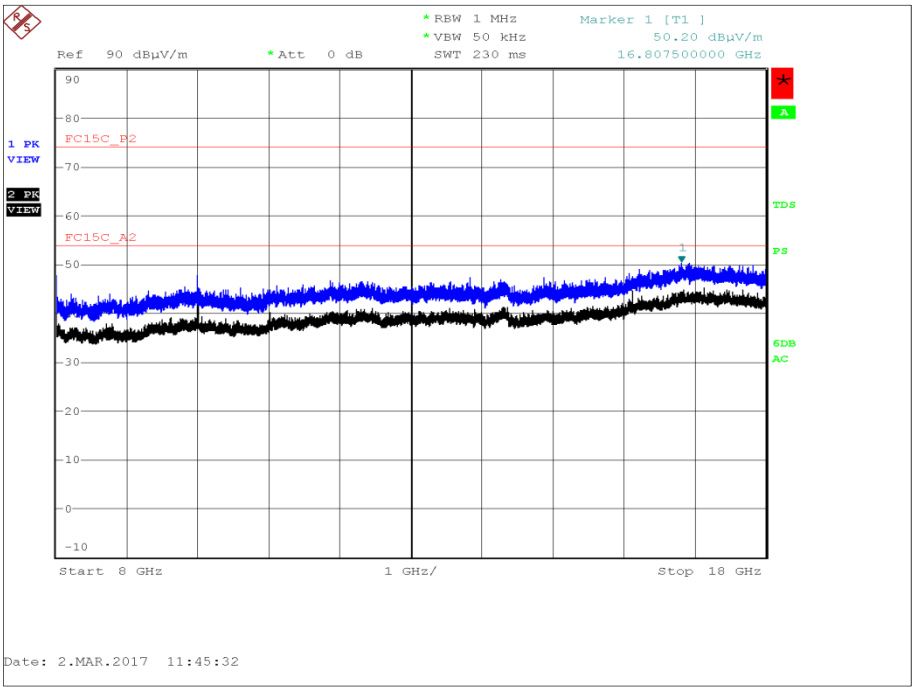


Figure 382 - U-NII 3 - 5825 MHz - 8 GHz to 18 GHz

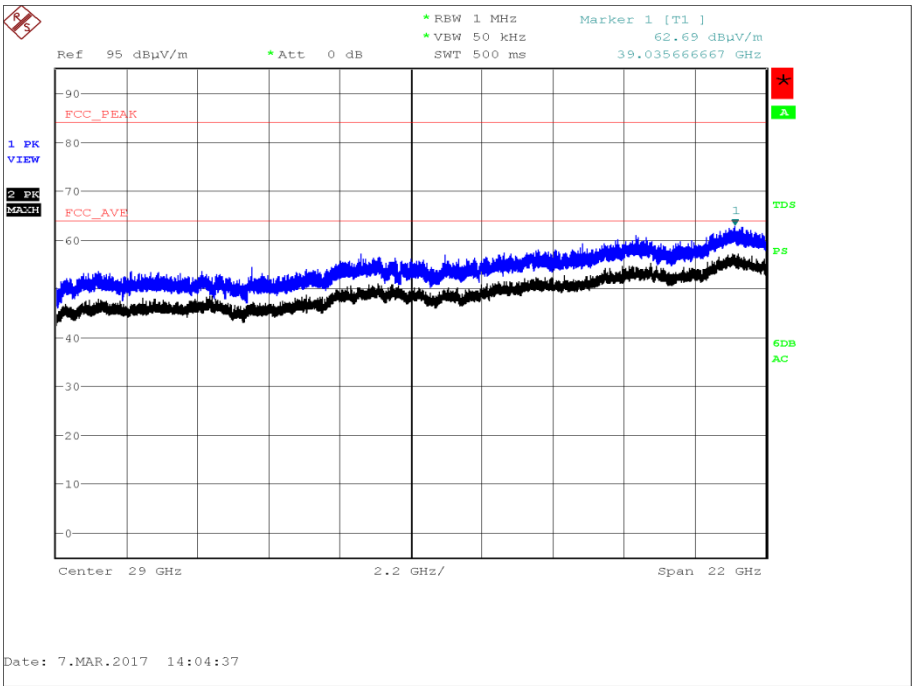


Figure 383 - U-NII 3 - 5825 MHz - 18 GHz to 40 GHz



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 204

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
Pre-Amplifier	Phase One	PS04-0086	1533	12	29-Jul-2017
18GHz - 40GHz Pre-Amplifier	Phase One	PS04-0087	1534	12	23-Jan-2018
Screened Room (5)	Rainford	Rainford	1545	36	20-Dec-2017
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Hygrometer	Rotronic	HYGROPALM 1	2338	12	21-Sep-2017
Multimeter	Iso-tech	IDM101	2417	12	30-Sep-2017
Filter (Hi Pass)	Lorch	9HP7-7000-SR	2833	12	06-Feb-2018
Antenna (Bilog)	Chase	CBL6143	2904	24	11-Jun-2017
Cable (N-N, 8m)	Rhophase	NPS-2302-8000-NPS	3248	-	O/P Mon
HygroPalm	Rotronic	HygroPalm 0	3484	12	17-May-2017
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	12-Nov-2017
Tilt Antenna Mast	matur GmbH	TAM 4.0-P	3916	-	TU
Mast Controller	matur GmbH	NCD	3917	-	TU
1 GHz to 8GHz Low Noise Amplifier	WrigMCSTechnologies	APS04-0085	4365	12	17-Oct-2017
Suspended Substrate Highpass Filter	Advance Power Components	11SH10-3000/X18000-O/O	4411	12	23-Mar-2017
Suspended Substrate Highpass Filter	Advance Power Components	11SH10-3000/X18000-O/O	4412	12	23-Mar-2017
Cable (Yellow, Rx, Km-Km 2m)	Scott Cables	KPS-1501-2000-KPS	4527	6	O/P Mon
Cable (Rx, SMAm-SMAm 0.5m)	Scott Cables	SLSLL18-SMSM-00.50M	4528	6	03-Feb-2017
Double Ridged Waveguide Horn Antenna	ETS-Lindgren	3117	4722	12	17-Feb-2018

Table 205

TU - Traceability Unscheduled

O/P Mon – Output Monitored using calibrated equipment

3 Measurement Uncertainty

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

Test Name	Measurement Uncertainty
Maximum Conducted Output Power	$\pm 0.96 \text{ dB}$
Maximum Conducted Power Spectral Density	$\pm 0.96 \text{ dB}$
Emission Bandwidth	$\pm 1 \text{ MHz}$
Authorised Band Edges	$\pm 6.3 \text{ dB}$
Restricted Band Edges	$\pm 6.3 \text{ dB}$
Spurious Radiated Emissions	30 MHz to 1 GHz: $\pm 5.1 \text{ dB}$ 1 GHz to 40 GHz: $\pm 6.3 \text{ dB}$

Table 206