TUV SUD Limited
Digitally signed by TUV SUD Limited
Date: 2024.10.15 08:31:14 +01'00'

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5446.453	39.46	54.00	-14.54	RMS	70	286	Horizontal
5455.917	40.48	54.00	-13.52	RMS	0	306	Vertical
5713.708	55.91	68.20	-12.29	Peak	59	267	Vertical
5717.074	55.23	68.20	-12.97	Peak	74	348	Horizontal
5957.048	54.89	68.20	-13.31	Peak	67	388	Horizontal
5980.871	54.14	68.20	-14.06	Peak	51	239	Vertical

Table 553 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

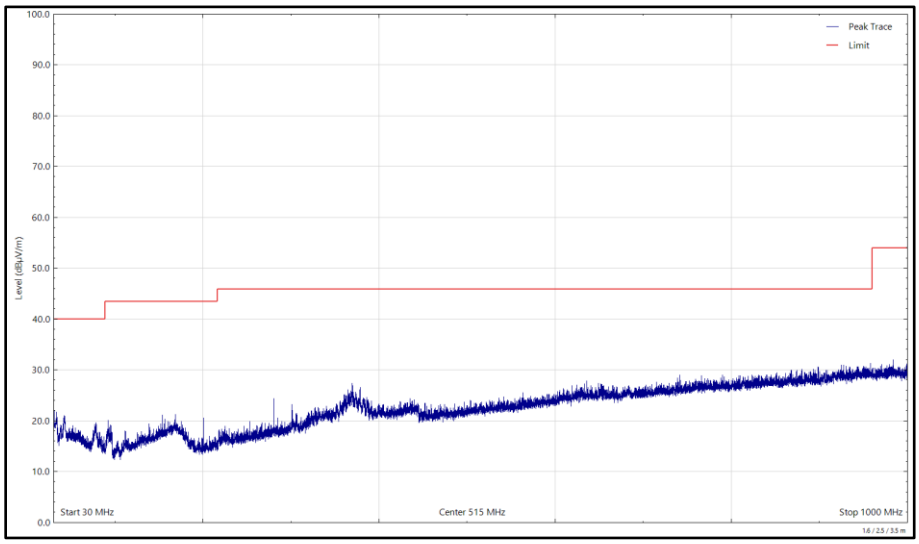

Figure 469 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

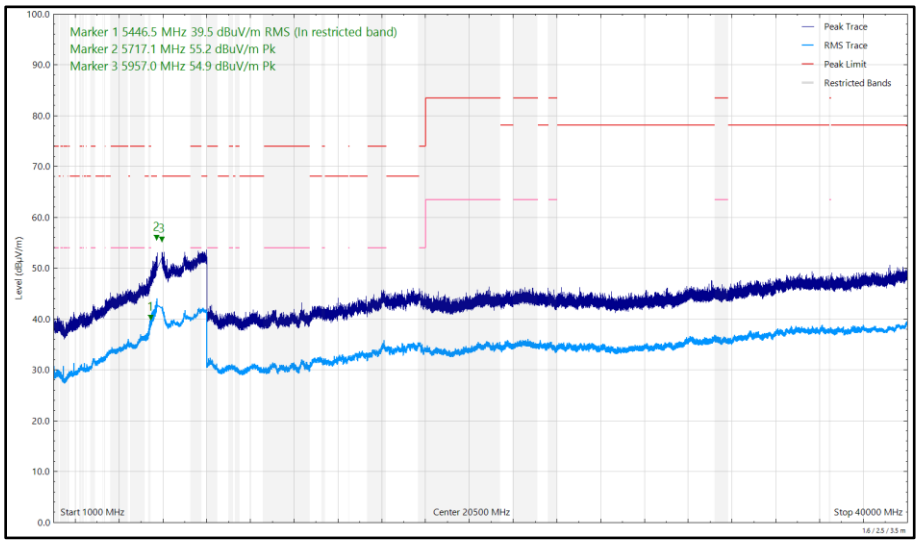

Figure 470 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

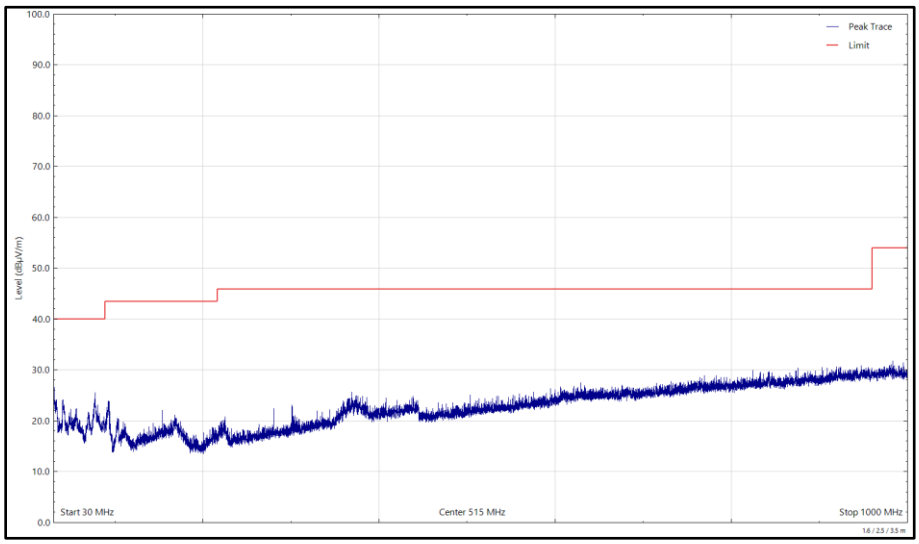

Figure 471 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

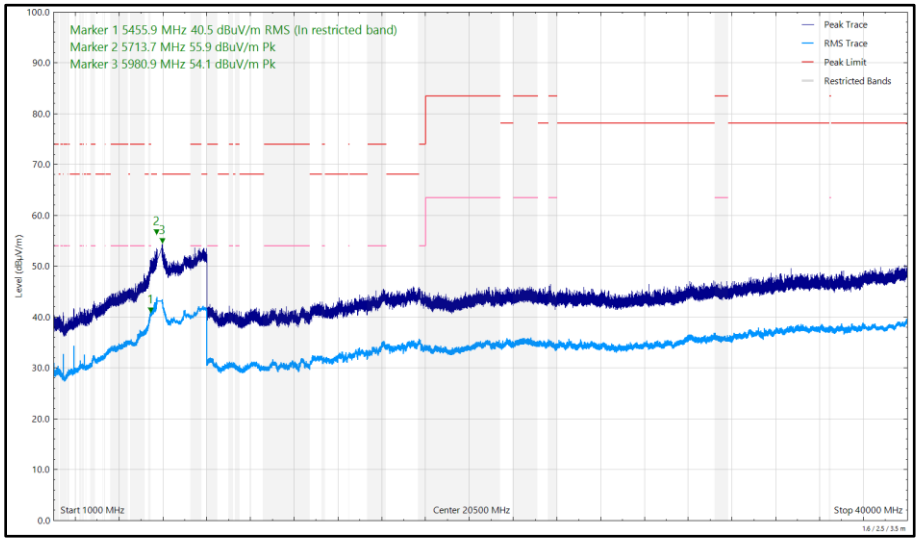

Figure 472 - U-NII-3 - 5825 MHz (CH165), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5106.397	56.57	74.00	-17.43	Peak	360	305	Vertical
5108.070	43.00	54.00	-11.00	RMS	7	309	Vertical
5109.376	40.84	54.00	-13.16	RMS	74	329	Horizontal
5387.561	42.70	54.00	-11.30	RMS	74	317	Horizontal
5390.711	46.01	54.00	-7.99	RMS	0	309	Vertical
5400.265	54.87	74.00	-19.13	Peak	74	315	Horizontal
5429.361	56.72	74.00	-17.28	Peak	1	345	Vertical
5460.019	56.69	68.20	-11.51	Peak	1	333	Vertical
5460.864	53.72	68.20	-14.48	Peak	69	327	Horizontal
15537.906	58.26	74.00	-15.74	Peak	168	115	Vertical
15540.175	43.52	54.00	-10.48	RMS	226	100	Vertical
15540.230	39.77	54.00	-14.23	RMS	268	250	Horizontal

Table 554 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

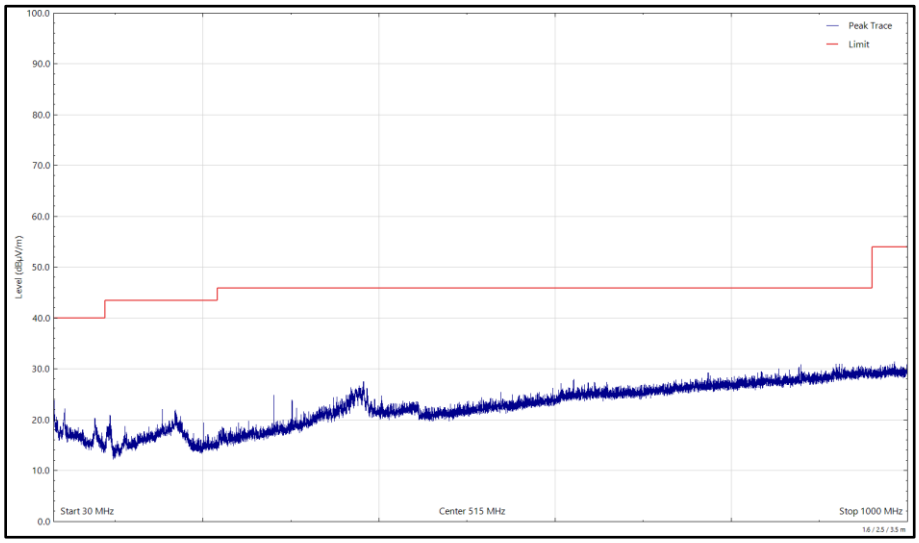

Figure 473 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

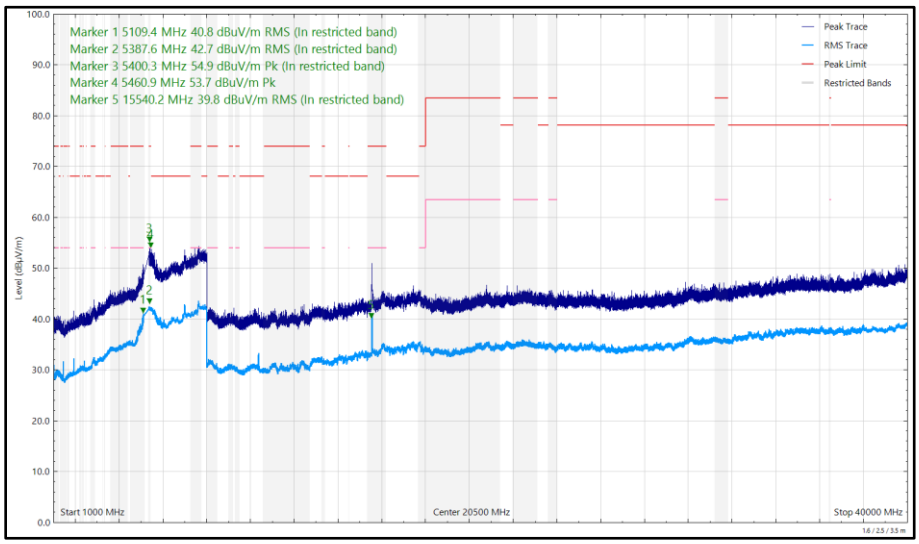

Figure 474 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

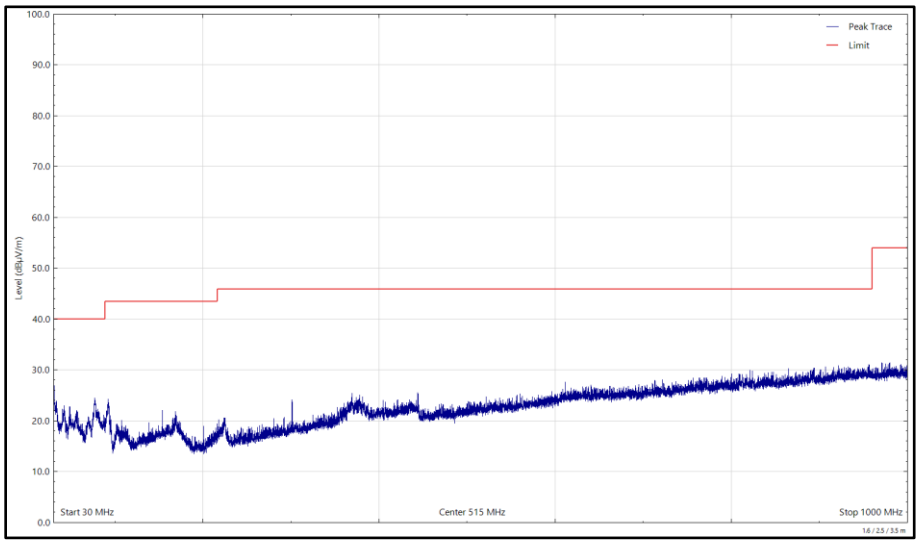

Figure 475 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

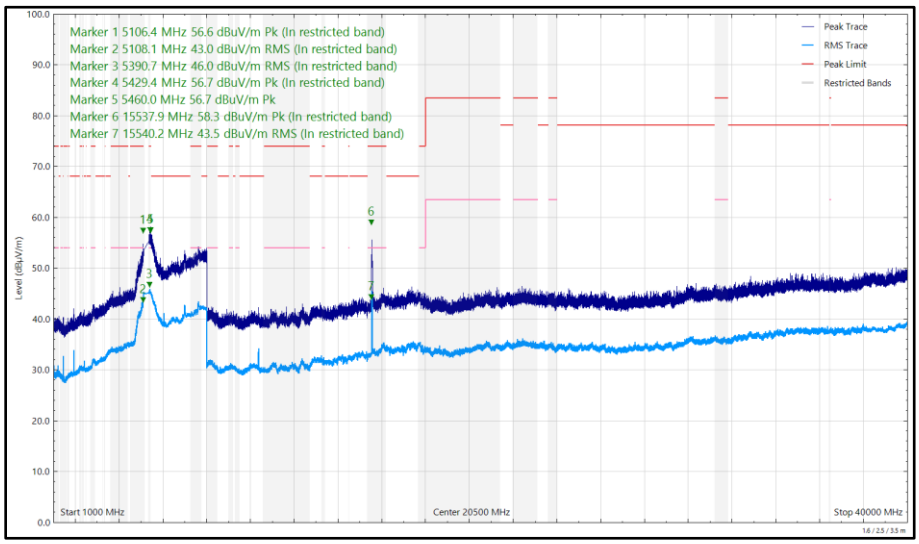

Figure 476 - U-NII-1 - 5180 MHz (CH36), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5458.774	43.59	54.00	-10.41	RMS	0	339	Vertical
5459.041	40.57	54.00	-13.43	RMS	71	316	Horizontal
5703.584	57.10	68.20	-11.10	Peak	360	278	Vertical
5719.801	56.20	68.20	-12.00	Peak	72	392	Horizontal
5950.471	55.02	68.20	-13.18	Peak	46	244	Vertical
5975.368	55.11	68.20	-13.09	Peak	72	391	Horizontal

Table 555 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

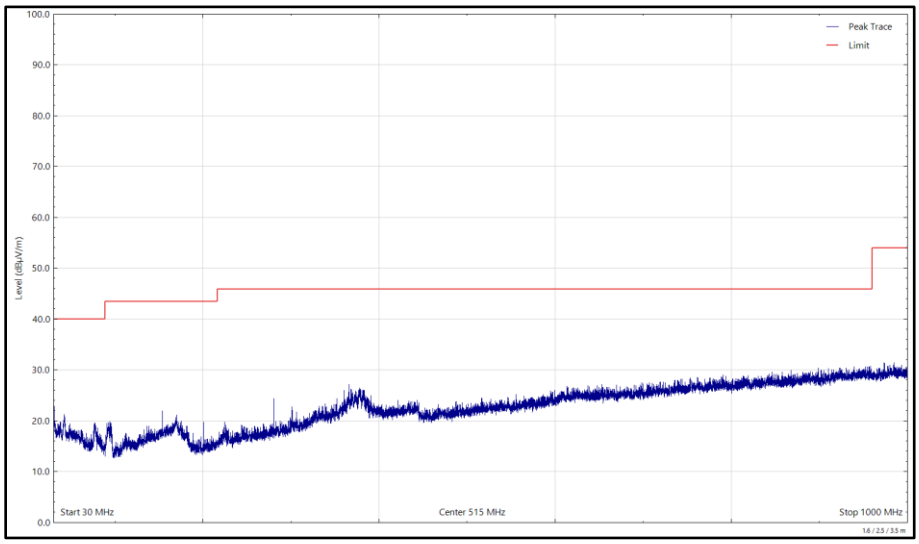

Figure 477 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

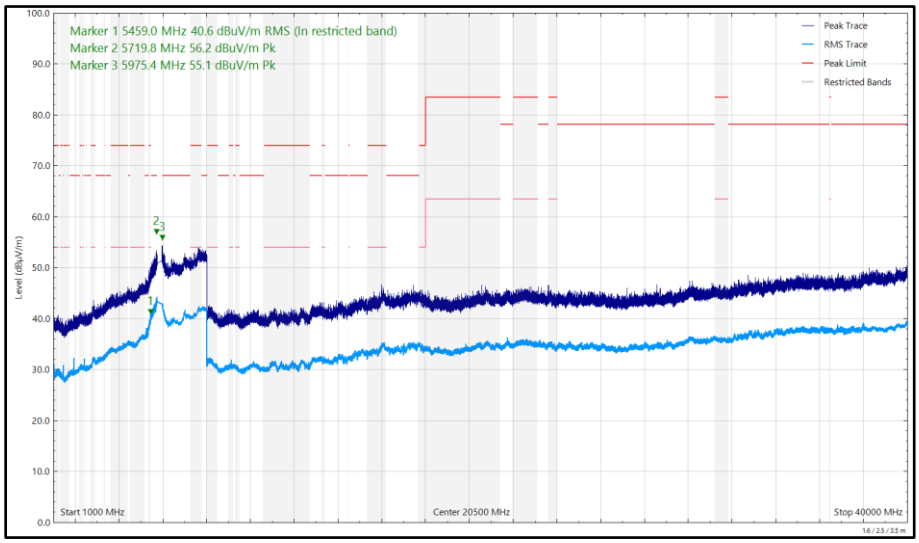

Figure 478 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

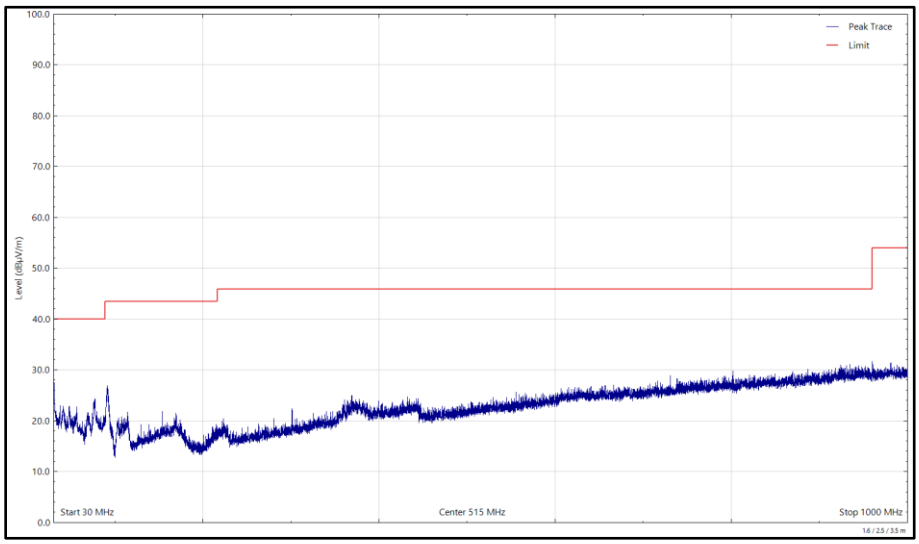

Figure 479 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

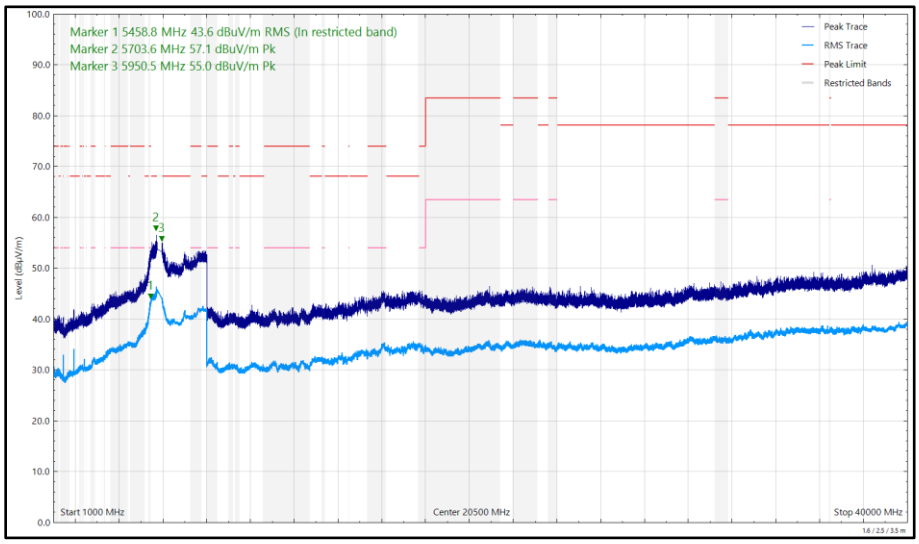

Figure 480 - U-NII-3 - 5825 MHz (CH165), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5107.559	58.48	74.00	-15.52	Peak	7	330	Vertical
5109.120	44.26	54.00	-9.74	RMS	360	323	Vertical
5109.198	40.50	54.00	-13.50	RMS	73	343	Horizontal
5382.394	41.83	54.00	-12.17	RMS	73	292	Horizontal
5391.625	45.54	54.00	-8.46	RMS	360	334	Vertical
5405.989	57.26	74.00	-16.74	Peak	359	308	Vertical
5481.434	57.19	68.20	-11.01	Peak	360	334	Vertical
5528.323	53.35	68.20	-14.85	Peak	72	307	Horizontal
15514.400	46.60	54.00	-7.40	RMS	143	100	Vertical
15514.485	59.37	74.00	-14.63	Peak	144	100	Vertical
15514.885	36.39	54.00	-17.61	RMS	78	366	Horizontal

Table 556 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

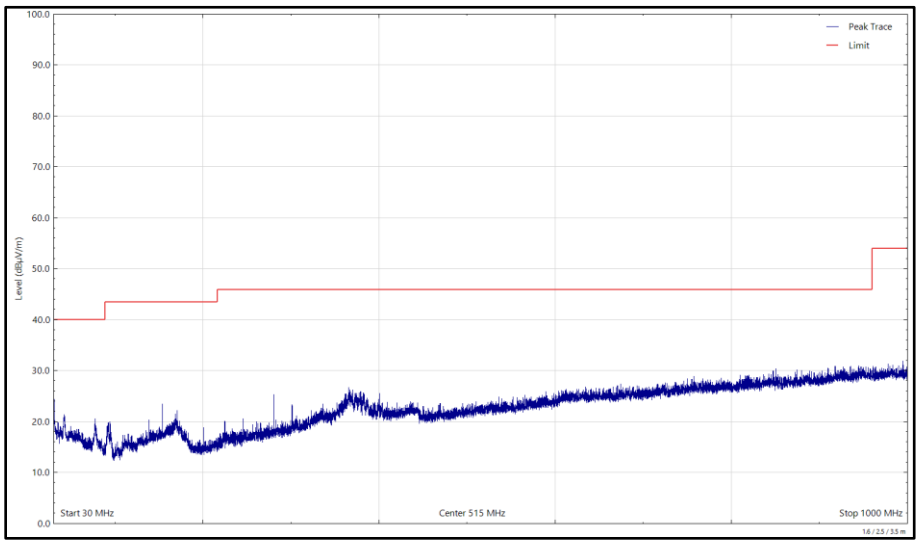

Figure 481 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

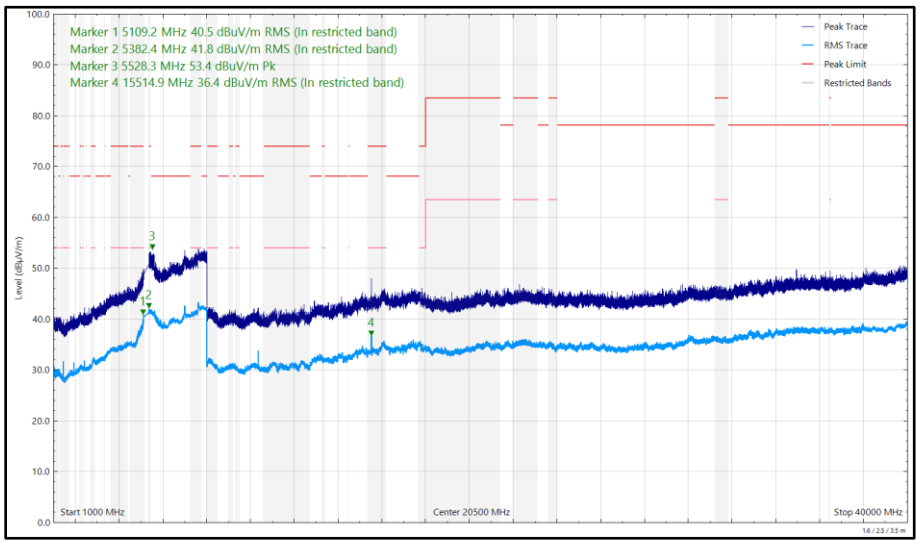

Figure 482 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

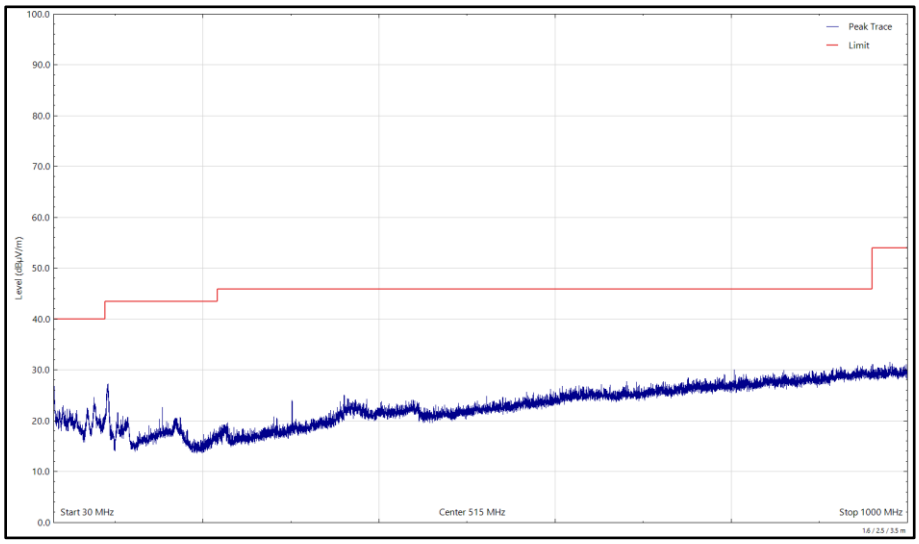

Figure 483 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

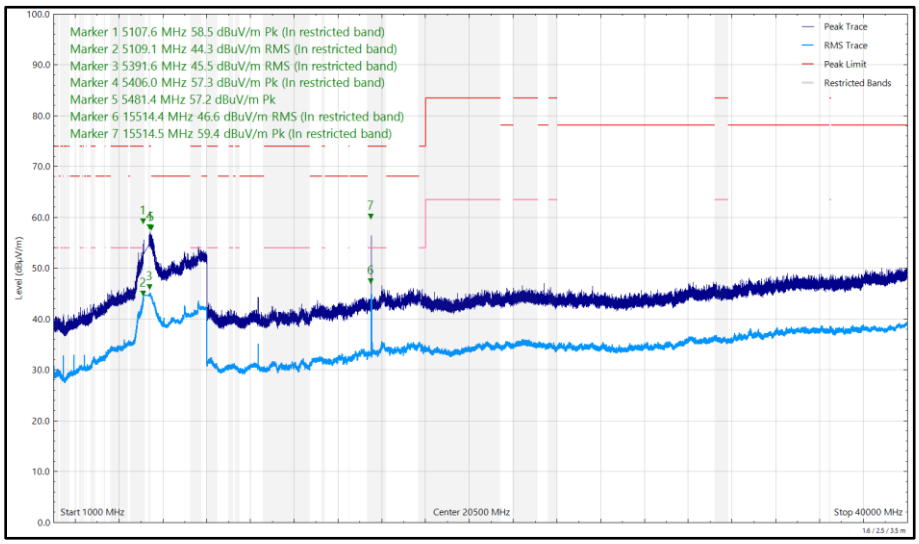

Figure 484 - U-NII-1 - 5180 MHz (CH36), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5449.638	55.33	74.00	-18.67	Peak	360	320	Vertical
5456.258	43.74	54.00	-10.26	RMS	360	328	Vertical
5459.082	40.00	54.00	-14.00	RMS	71	287	Horizontal
5715.458	57.28	68.20	-10.92	Peak	359	270	Vertical
5716.358	55.88	68.20	-12.32	Peak	70	400	Horizontal
5957.862	55.77	68.20	-12.43	Peak	56	300	Vertical
5969.777	53.94	68.20	-14.26	Peak	77	358	Horizontal
17450.465	53.08	68.20	-15.12	Peak	153	110	Vertical

Table 557 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

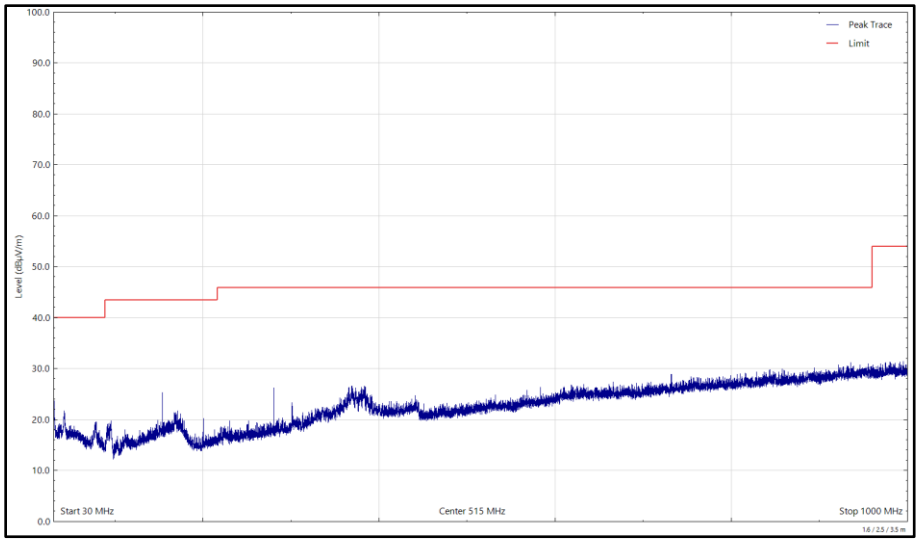

Figure 485 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

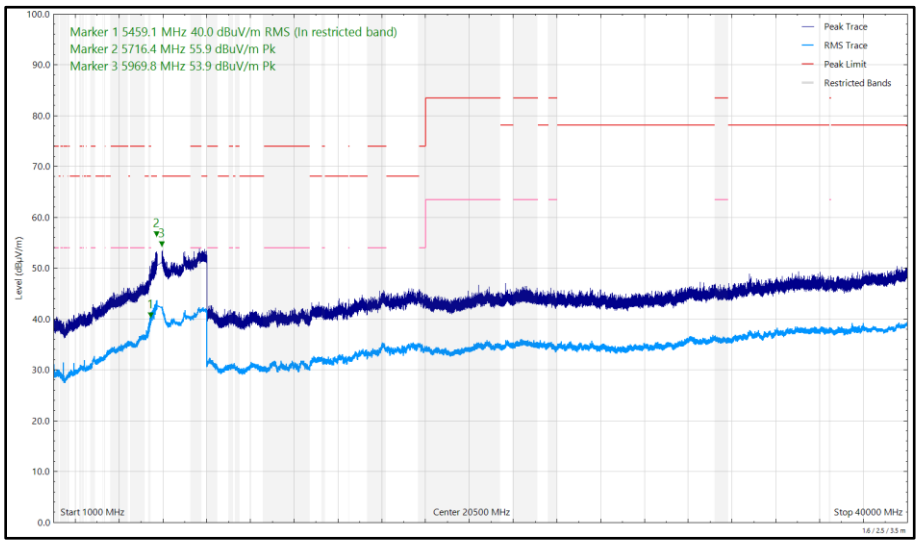

Figure 486 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

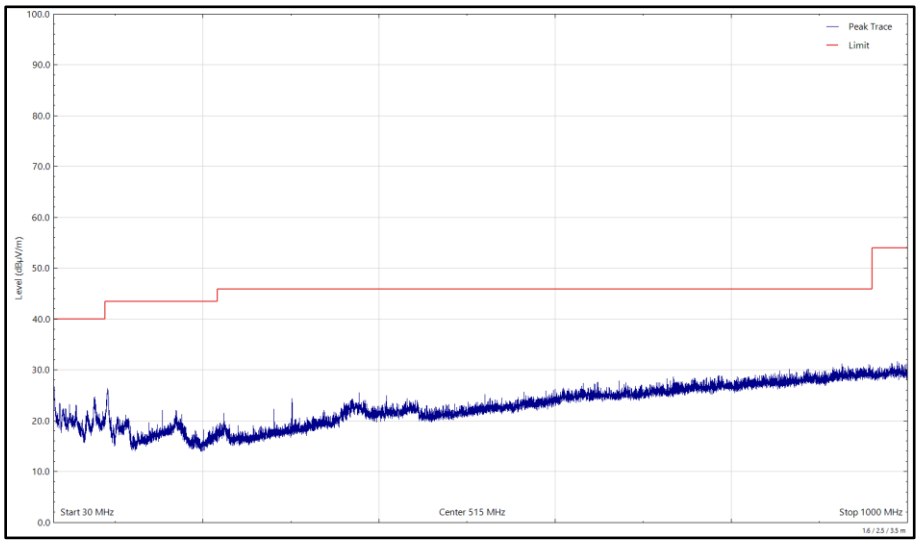

Figure 487 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

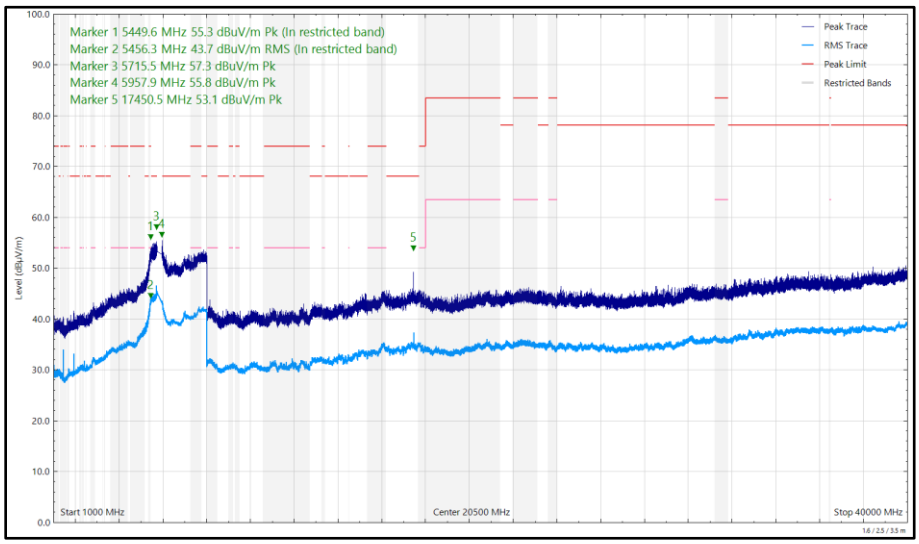

Figure 488 - U-NII-3 - 5825 MHz (CH165), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5143.193	37.01	54.00	-16.99	RMS	68	398	Horizontal
5149.961	40.96	54.00	-13.04	RMS	317	317	Vertical
5390.294	57.85	74.00	-16.15	Peak	358	321	Vertical
5390.740	41.15	54.00	-12.85	RMS	72	359	Horizontal
5390.850	45.75	54.00	-8.25	RMS	357	306	Vertical
5465.778	55.79	68.20	-12.41	Peak	0	331	Vertical
5579.140	51.48	68.20	-16.72	Peak	71	397	Horizontal
15960.380	37.29	54.00	-16.71	RMS	259	237	Horizontal
15960.550	44.12	54.00	-9.88	RMS	209	109	Vertical

Table 558 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

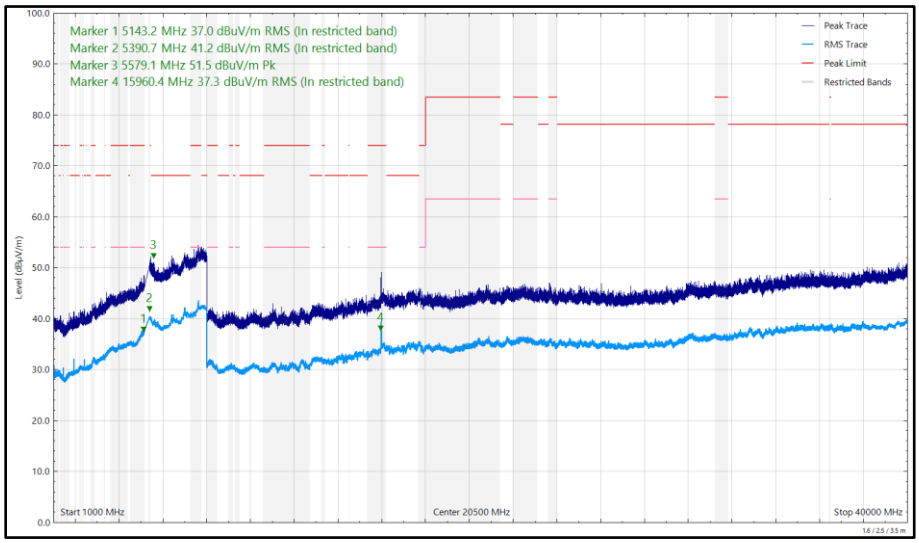

Figure 489 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

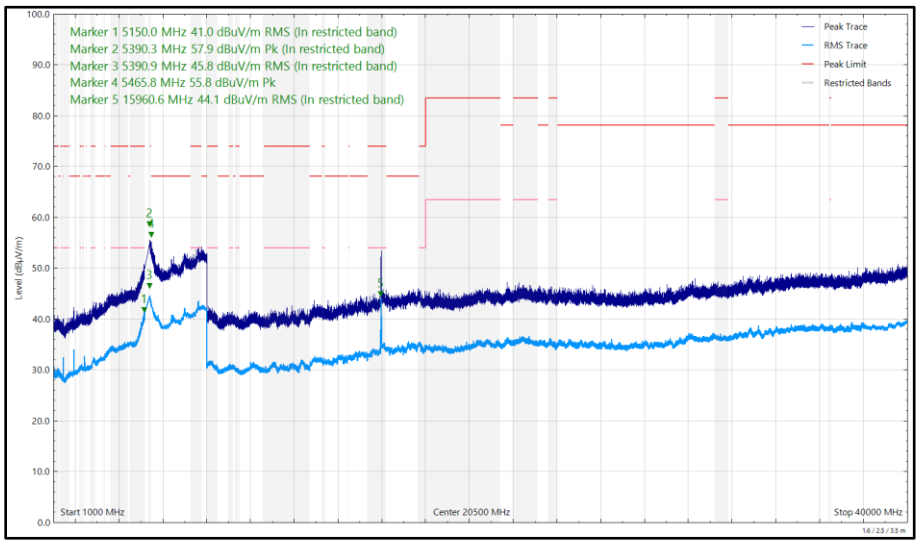

Figure 490 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5342.253	50.79	68.20	-17.41	Peak	68	338	Horizontal
5349.798	55.91	68.20	-12.29	Peak	360	321	Vertical
5407.326	44.32	54.00	-9.68	RMS	360	322	Vertical
5409.712	39.38	54.00	-14.62	RMS	72	389	Horizontal
5769.475	51.15	68.20	-17.05	Peak	289	390	Horizontal
5773.383	51.80	68.20	-16.40	Peak	0	357	Vertical
16503.209	51.70	68.20	-16.50	Peak	211	121	Vertical

Table 559 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

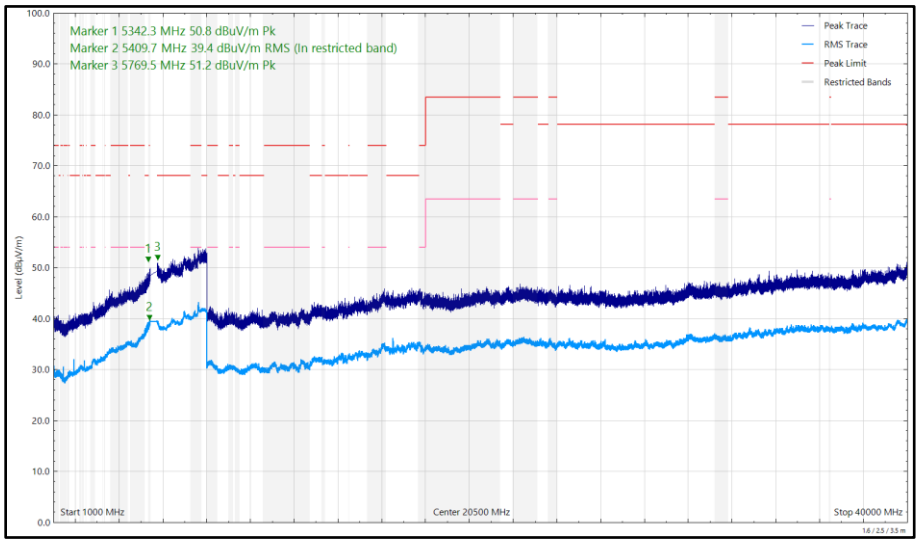

Figure 491 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

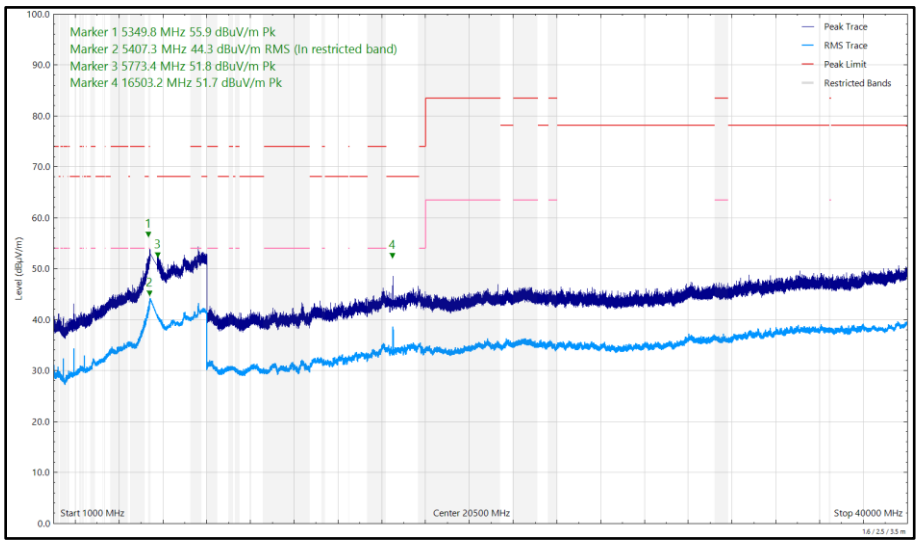

Figure 492 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5444.636	42.87	54.00	-11.13	RMS	360	322	Vertical
5456.359	39.33	54.00	-14.67	RMS	75	397	Horizontal
5461.069	50.85	68.20	-17.35	Peak	114	392	Horizontal
5465.689	55.22	68.20	-12.98	Peak	0	300	Vertical
5763.187	53.35	68.20	-14.85	Peak	64	369	Horizontal
5767.379	56.28	68.20	-11.92	Peak	360	252	Vertical

Table 560 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

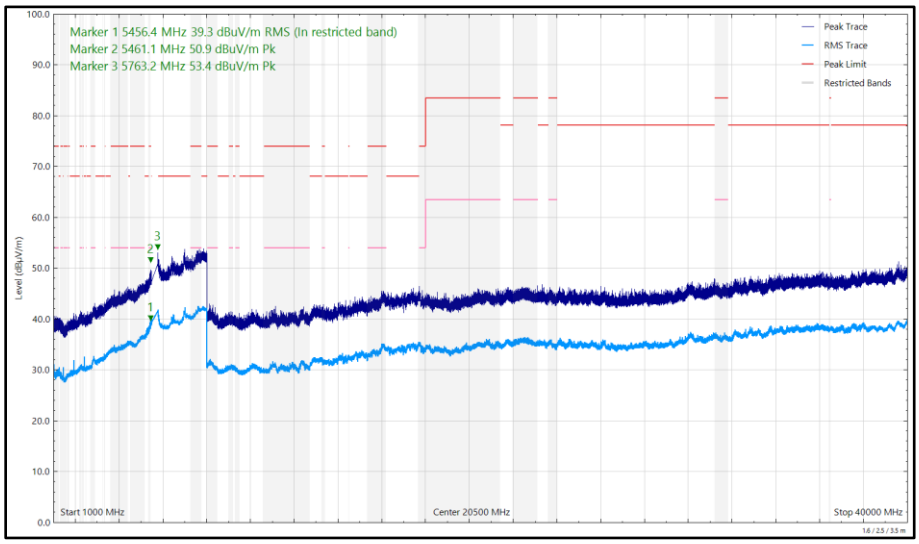

Figure 493 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

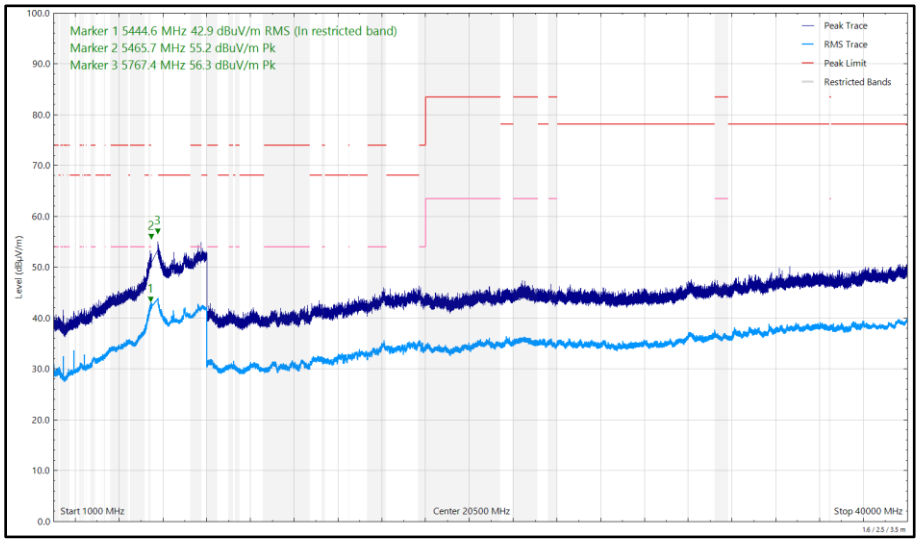

Figure 494 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5444.164	54.66	74.00	-19.34	Peak	0	267	Vertical
5455.749	39.22	54.00	-14.78	RMS	71	353	Horizontal
5457.046	42.92	54.00	-11.08	RMS	360	242	Vertical
5572.892	52.07	68.20	-16.13	Peak	69	400	Horizontal
5575.285	55.73	68.20	-12.47	Peak	360	250	Vertical
5850.887	55.22	68.20	-12.98	Peak	360	268	Vertical
5852.046	53.09	68.20	-15.11	Peak	296	382	Horizontal

Table 561 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

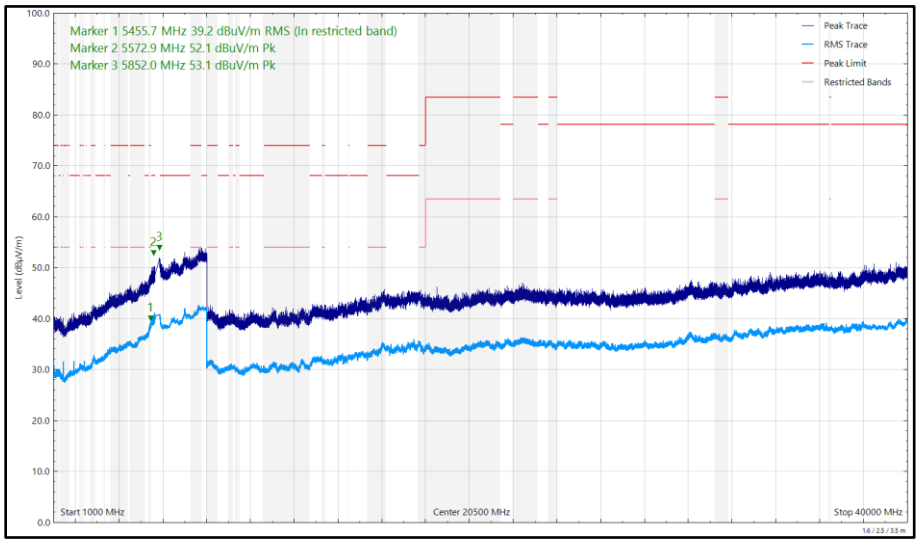

Figure 495 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz, Horizontal

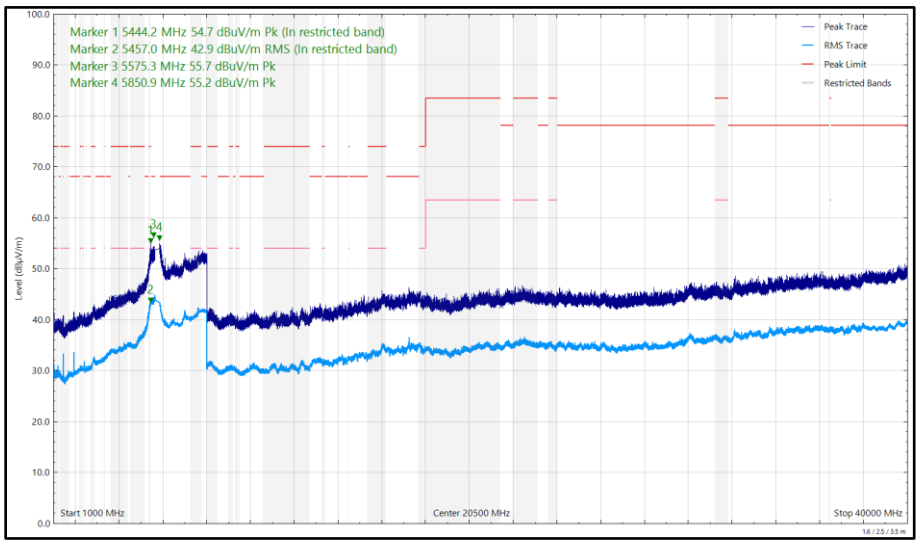

Figure 496 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5142.728	38.47	54.00	-15.53	RMS	71	305	Horizontal
5145.095	40.98	54.00	-13.02	RMS	0	306	Vertical
5390.362	43.21	54.00	-10.79	RMS	76	329	Horizontal
5390.547	44.18	54.00	-9.82	RMS	0	312	Vertical
5423.149	55.77	74.00	-18.23	Peak	0	349	Vertical
5504.953	54.45	68.20	-13.75	Peak	360	340	Vertical
5505.220	53.40	68.20	-14.80	Peak	77	324	Horizontal

Table 562 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

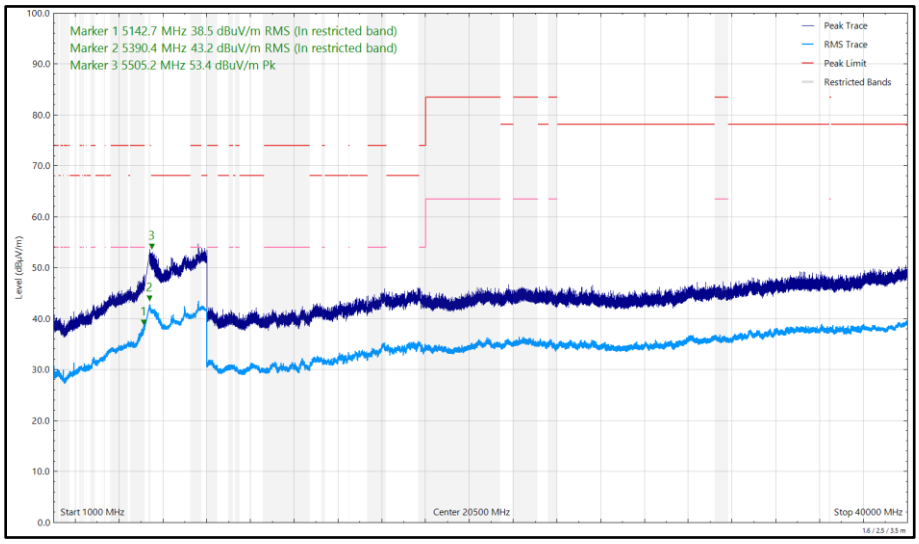

Figure 497 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

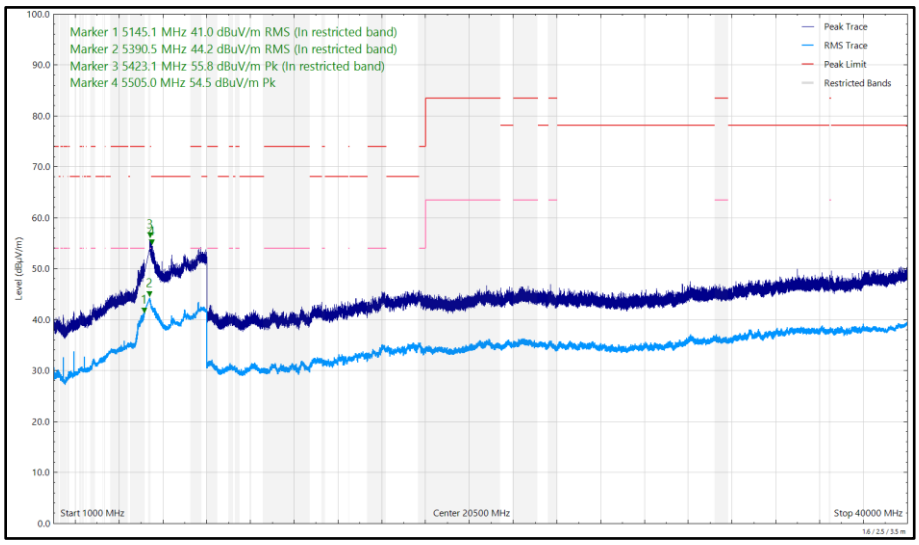

Figure 498 - U-NII-2A - 5320 MHz (CH64), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5343.328	53.94	68.20	-14.26	Peak	360	326	Vertical
5348.856	53.16	68.20	-15.04	Peak	77	294	Horizontal
5406.248	42.78	54.00	-11.22	RMS	72	311	Horizontal
5409.225	43.45	54.00	-10.55	RMS	0	329	Vertical
5880.922	53.34	68.20	-14.86	Peak	61	286	Vertical
5884.271	52.88	68.20	-15.32	Peak	73	382	Horizontal

Table 563 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

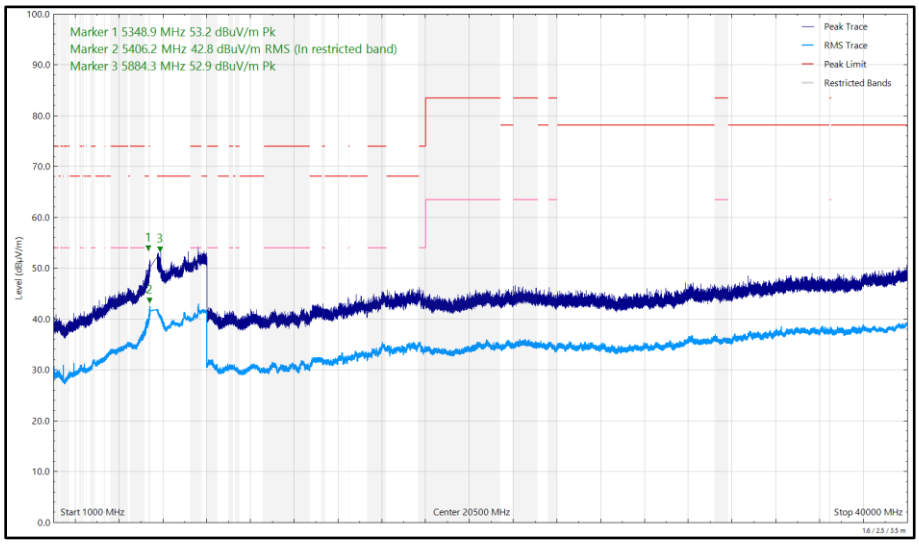

Figure 499 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

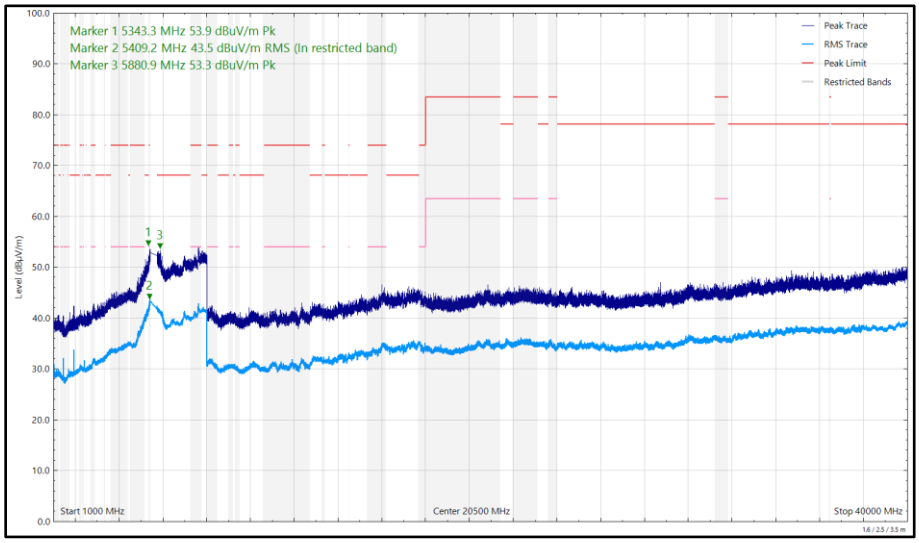

Figure 500 - U-NII-2C - 5500 MHz (CH100), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5441.263	40.38	54.00	-13.62	RMS	72	297	Horizontal
5459.472	40.93	54.00	-13.07	RMS	354	328	Vertical
5462.989	52.20	68.20	-16.00	Peak	81	315	Horizontal
5465.415	52.57	68.20	-15.63	Peak	360	358	Vertical
5765.331	56.43	68.20	-11.77	Peak	54	256	Vertical
5765.677	56.84	68.20	-11.36	Peak	72	354	Horizontal

Table 564 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

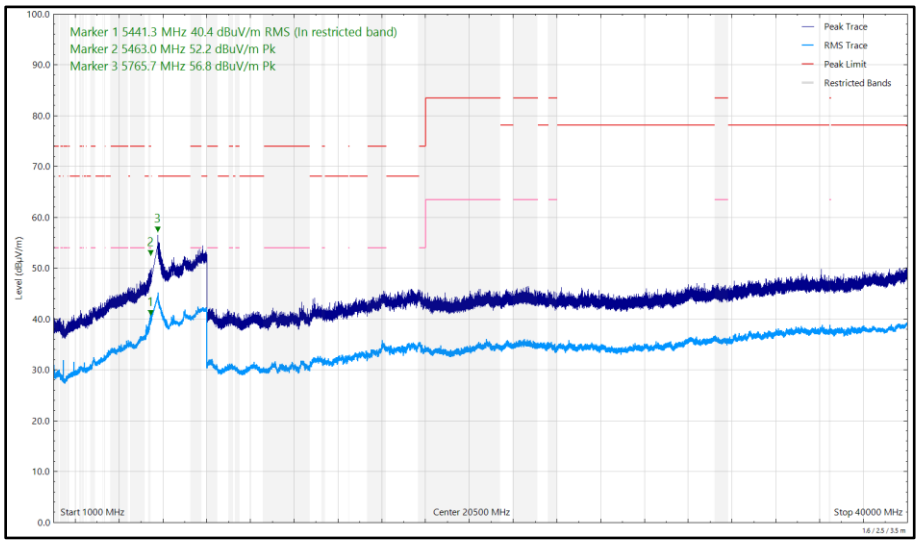

Figure 501 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

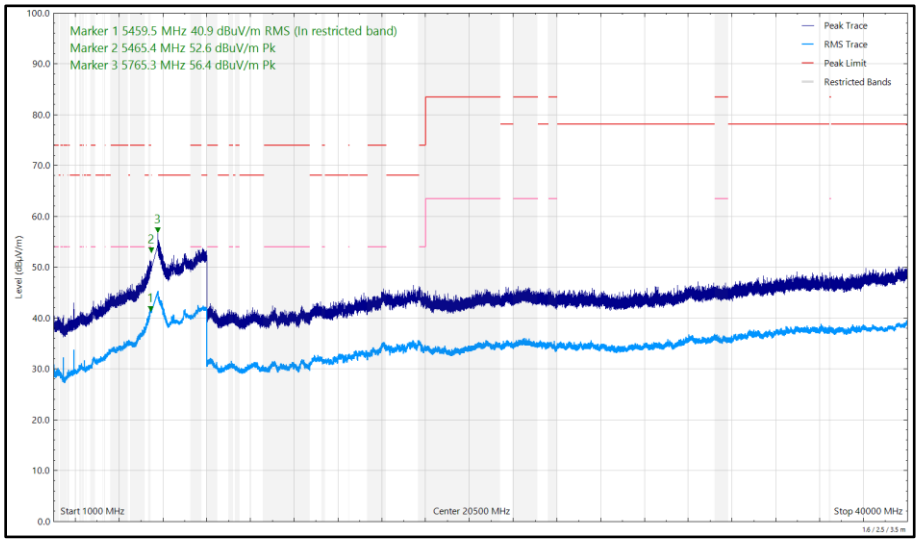

Figure 502 - U-NII-2C - 5700 MHz (CH140), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5455.727	39.84	54.00	-14.16	RMS	78	280	Horizontal
5456.324	40.80	54.00	-13.20	RMS	2	305	Vertical
5479.733	53.90	68.20	-14.30	Peak	0	324	Vertical
5593.220	54.50	68.20	-13.70	Peak	75	338	Horizontal
5862.244	56.17	68.20	-12.03	Peak	56	318	Vertical
5890.667	54.70	68.20	-13.50	Peak	74	390	Horizontal

Table 565 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

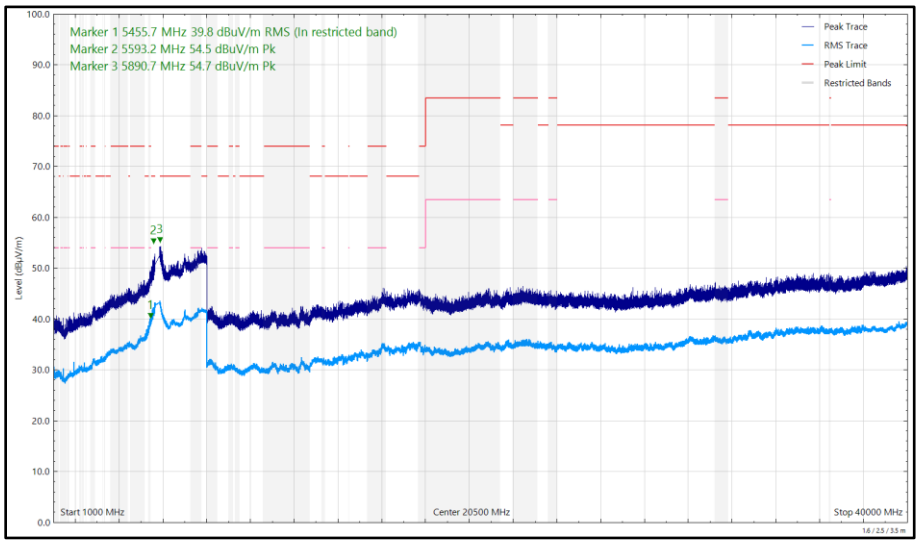

Figure 503 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 1, 1 GHz to 40 GHz, Horizontal

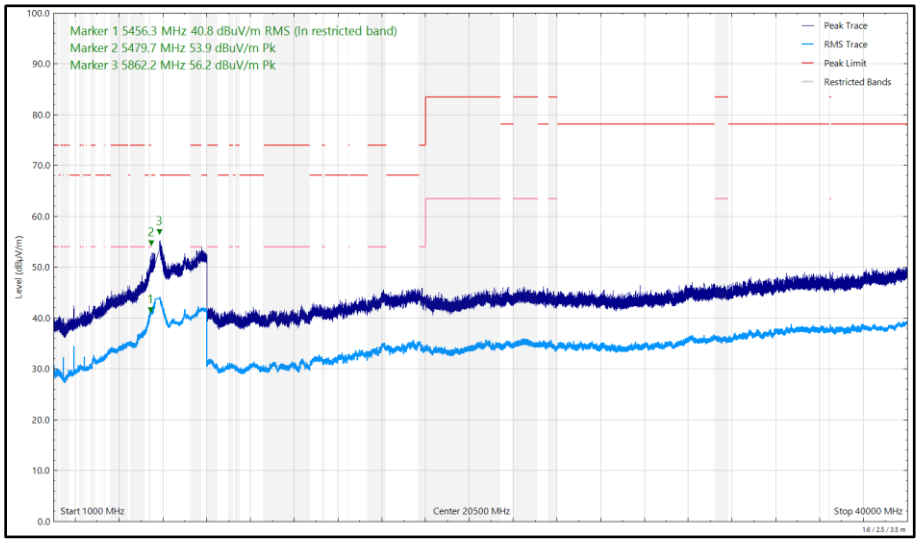

Figure 504 - U-NII-3 - 5745 MHz (CH149), 802.11a, Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5330.939	57.64	68.20	-10.56	Peak	354	331	Vertical
5335.398	53.51	68.20	-14.69	Peak	67	338	Horizontal
5400.021	59.30	74.00	-14.70	Peak	359	326	Vertical
5405.924	43.20	54.00	-10.80	RMS	69	301	Horizontal
5408.448	47.33	54.00	-6.67	RMS	0	331	Vertical
5759.848	54.81	68.20	-13.39	Peak	69	390	Horizontal
5760.615	54.51	68.20	-13.69	Peak	360	260	Vertical

Table 566 - U-NII-2C - 5500 MHz (CH100), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

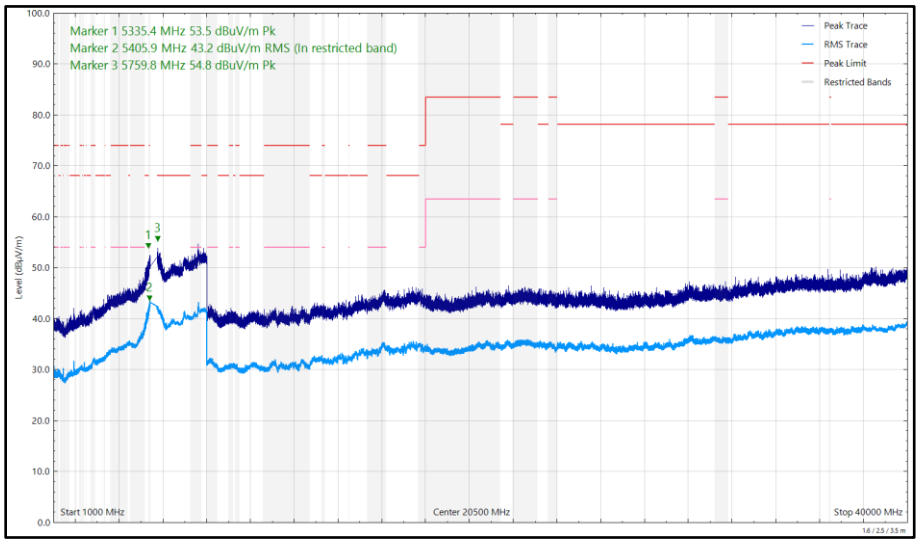

Figure 505 - U-NII-2C - 5500 MHz (CH100), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

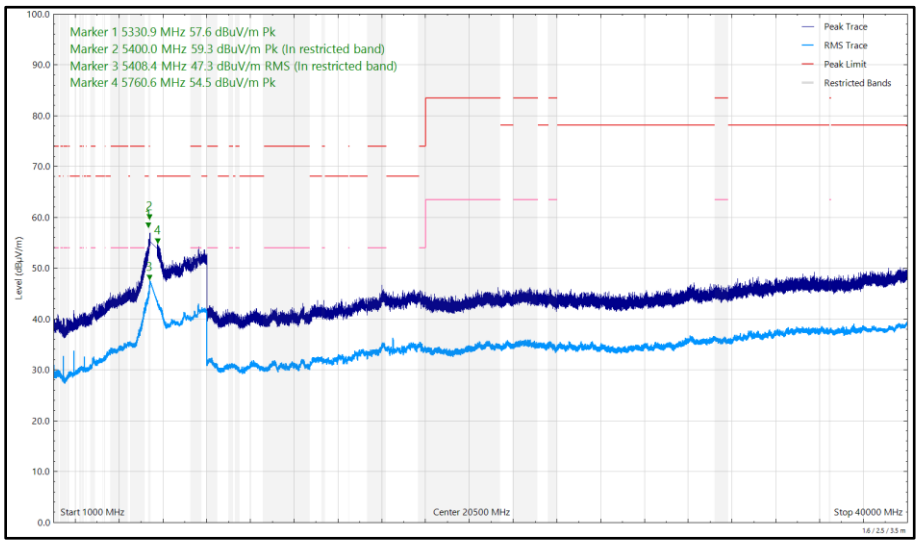

Figure 506 - U-NII-2C - 5500 MHz (CH100), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5440.234	41.55	54.00	-12.45	RMS	72	309	Horizontal
5443.770	44.84	54.00	-9.16	RMS	357	329	Vertical
5455.488	57.12	74.00	-16.88	Peak	359	343	Vertical
5461.851	53.35	68.20	-14.85	Peak	78	311	Horizontal
5462.531	57.75	68.20	-10.45	Peak	360	341	Vertical
5761.505	58.56	68.20	-9.64	Peak	360	252	Vertical
5762.133	57.16	68.20	-11.04	Peak	68	385	Horizontal

Table 567 - U-NII-2C - 5700 MHz (CH140), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

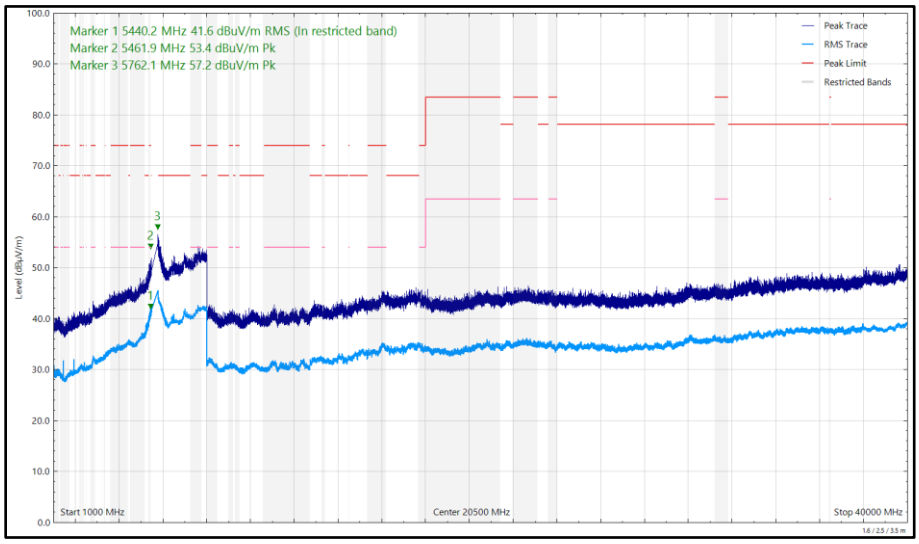

Figure 507 - U-NII-2C - 5700 MHz (CH140), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

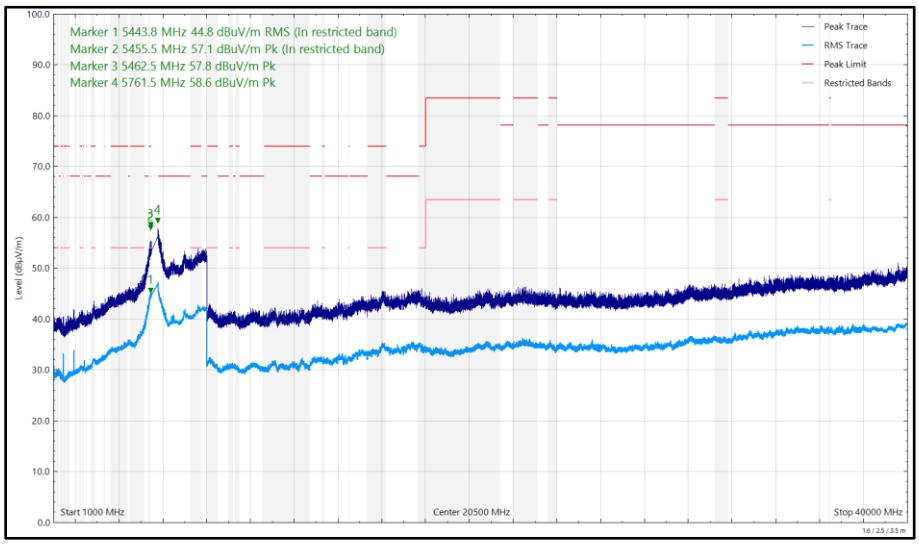

Figure 508 - U-NII-2C - 5700 MHz (CH140), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5444.078	41.26	54.00	-12.74	RMS	73	333	Horizontal
5444.126	57.02	74.00	-16.98	Peak	2	343	Vertical
5455.696	44.31	54.00	-9.69	RMS	0	315	Vertical
5597.889	55.54	68.20	-12.66	Peak	69	360	Horizontal
5618.748	56.66	68.20	-11.54	Peak	0	315	Vertical
5856.768	56.57	68.20	-11.63	Peak	359	256	Vertical
5860.898	56.08	68.20	-12.12	Peak	74	388	Horizontal

Table 568 - U-NII-3 - 5745 MHz (CH149), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

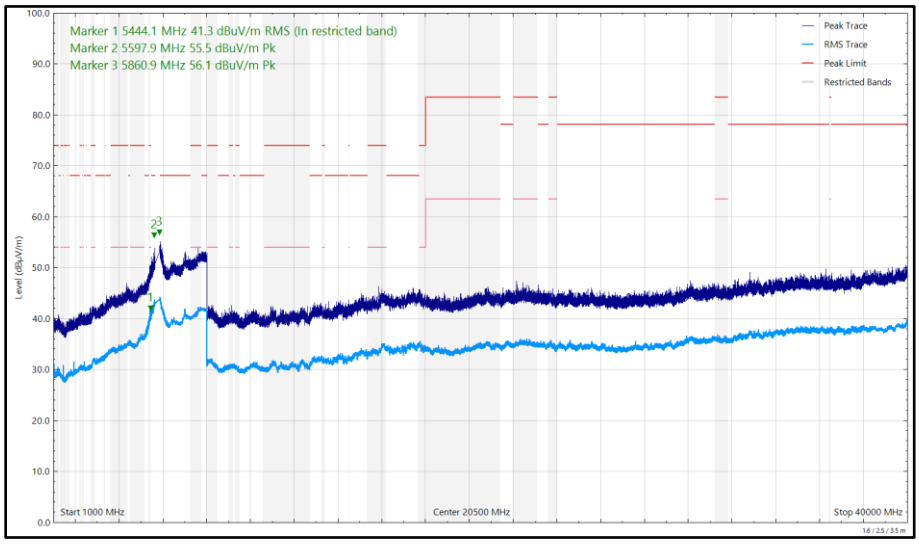

Figure 509 - U-NII-3 - 5745 MHz (CH149), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

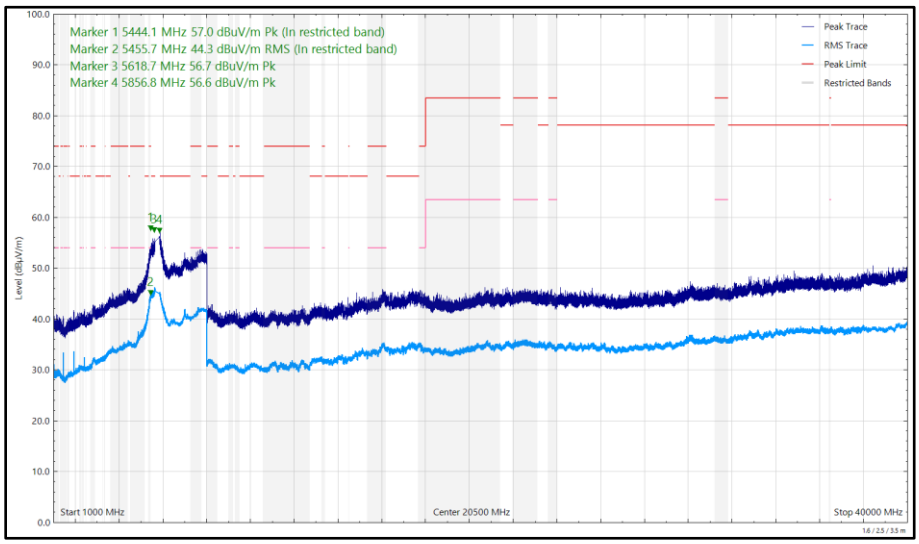

Figure 510 - U-NII-3 - 5745 MHz (CH149), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5330.038	52.98	68.20	-15.22	Peak	78	309	Horizontal
5348.826	57.09	68.20	-11.11	Peak	0	348	Vertical
5406.607	43.26	54.00	-10.74	RMS	74	315	Horizontal
5408.693	59.18	74.00	-14.82	Peak	0	330	Vertical
5409.443	46.34	54.00	-7.66	RMS	1	323	Vertical
5749.375	53.79	68.20	-14.41	Peak	67	368	Horizontal
5759.247	54.86	68.20	-13.34	Peak	360	270	Vertical
16474.570	53.16	68.20	-15.04	Peak	211	111	Vertical

Table 569 - U-NII-2C - 5500 MHz (CH100), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

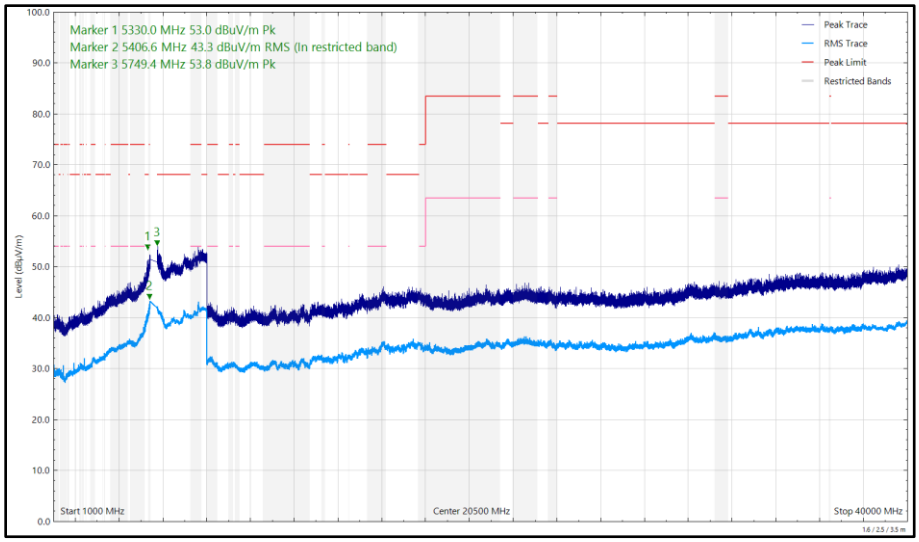

Figure 511 - U-NII-2C - 5500 MHz (CH100), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

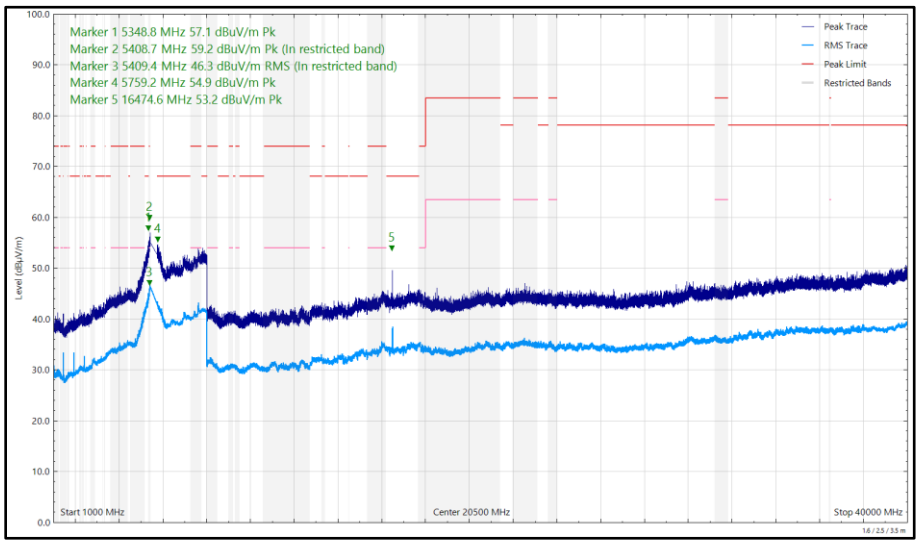

Figure 512 - U-NII-2C - 5500 MHz (CH100), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5426.314	56.87	74.00	-17.13	Peak	357	315	Vertical
5450.703	40.71	54.00	-13.29	RMS	73	379	Horizontal
5454.158	44.51	54.00	-9.49	RMS	359	342	Vertical
5460.619	56.66	68.20	-11.54	Peak	0	311	Vertical
5469.747	54.13	68.20	-14.07	Peak	74	303	Horizontal
5761.422	57.58	68.20	-10.62	Peak	359	324	Vertical
5764.177	56.69	68.20	-11.51	Peak	66	396	Horizontal

Table 570 - U-NII-2C - 5700 MHz (CH140), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

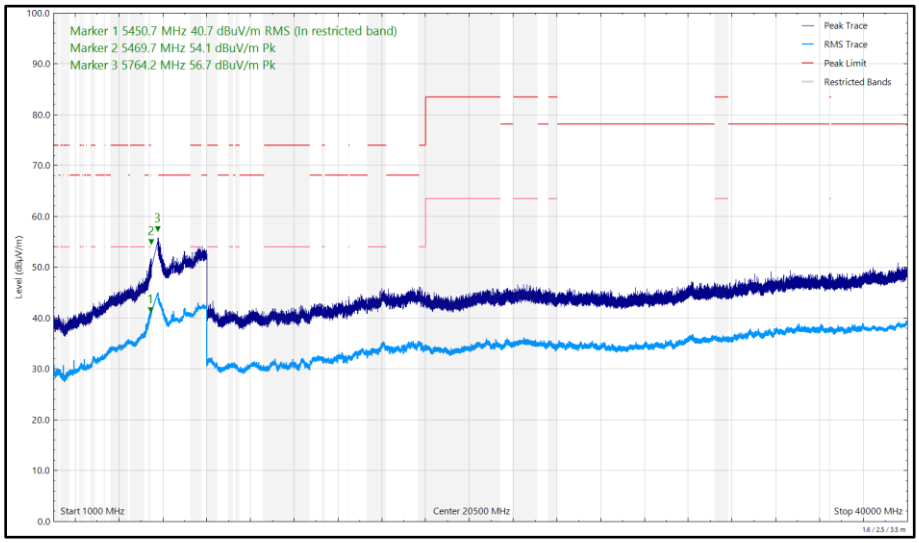

Figure 513 - U-NII-2C - 5700 MHz (CH140), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

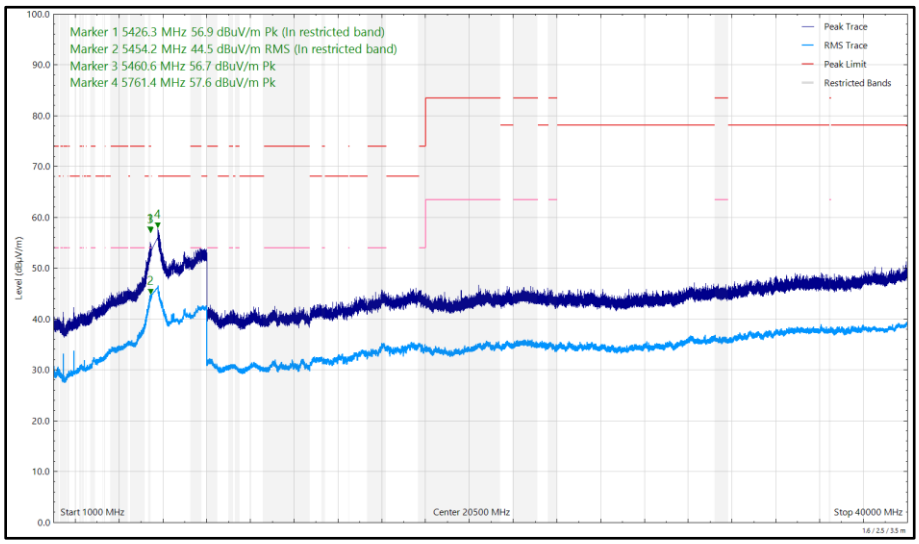

Figure 514 - U-NII-2C - 5700 MHz (CH140), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5441.025	56.83	74.00	-17.17	Peak	357	338	Vertical
5442.978	43.91	54.00	-10.09	RMS	357	346	Vertical
5457.046	40.88	54.00	-13.12	RMS	74	320	Horizontal
5583.789	57.17	68.20	-11.03	Peak	360	327	Vertical
5585.013	53.90	68.20	-14.30	Peak	76	378	Horizontal
5855.375	56.06	68.20	-12.14	Peak	69	400	Horizontal
5857.509	56.88	68.20	-11.32	Peak	0	268	Vertical
17210.630	53.93	68.20	-14.27	Peak	238	108	Vertical

Table 571 - U-NII-3 - 5745 MHz (CH149), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

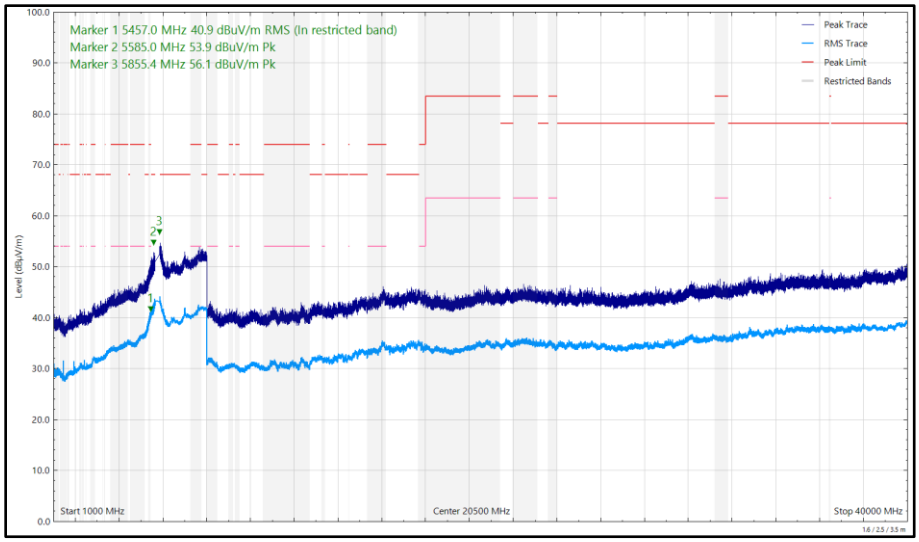

Figure 515 - U-NII-3 - 5745 MHz (CH149), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

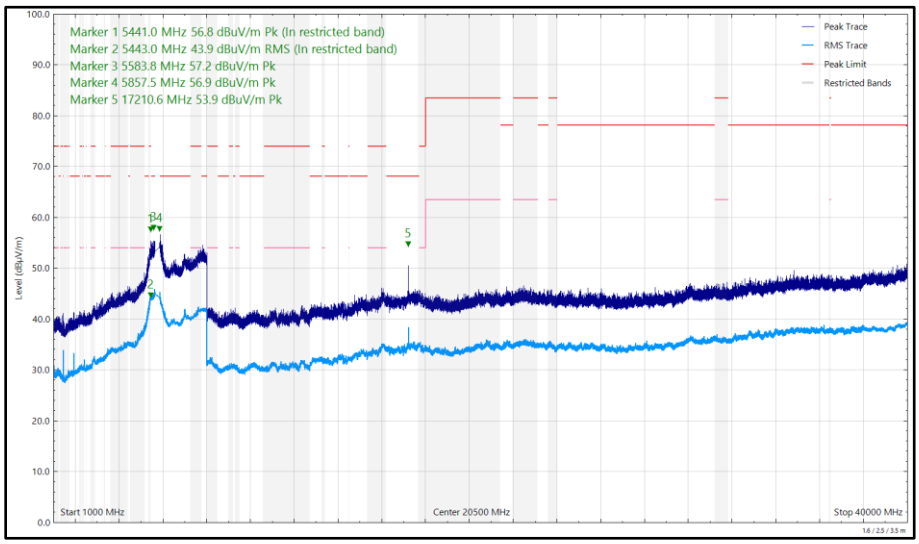

Figure 516 - U-NII-3 - 5745 MHz (CH149), HE20, RU26-0, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4232.448	33.98	54.00	-20.02	RMS	63	304	Vertical
5145.625	38.09	54.00	-15.91	RMS	307	385	Horizontal
5148.973	42.19	54.00	-11.81	RMS	6	248	Vertical
5391.011	41.74	54.00	-12.26	RMS	75	327	Horizontal
5391.303	45.46	54.00	-8.54	RMS	360	269	Vertical
5401.493	57.29	74.00	-16.71	Peak	0	250	Vertical
5462.713	55.77	68.20	-12.43	Peak	7	274	Vertical
5462.716	52.35	68.20	-15.85	Peak	81	320	Horizontal
15937.670	36.70	54.00	-17.30	RMS	277	358	Horizontal
15938.610	42.24	54.00	-11.76	RMS	206	100	Vertical

Table 572 - U-NII-2A - 5320 MHz (CH64), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

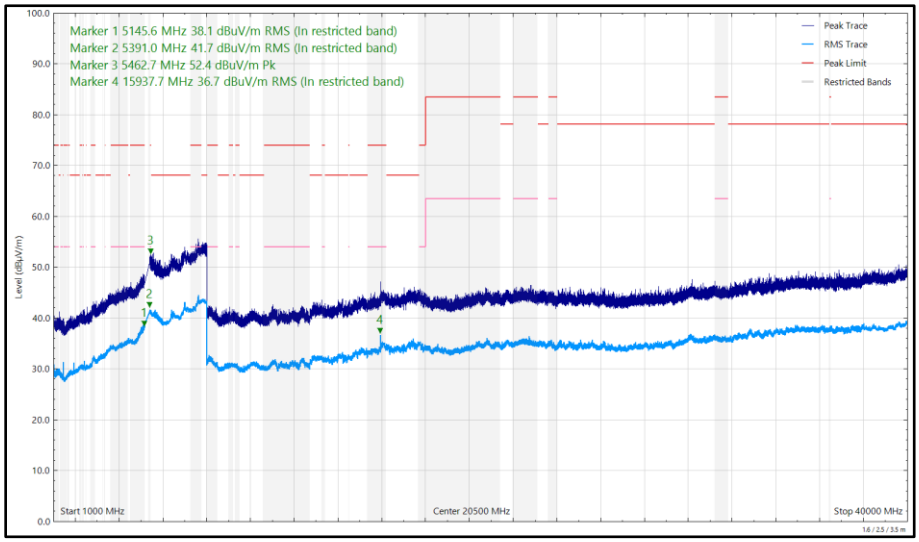

Figure 517 - U-NII-2A - 5320 MHz (CH64), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

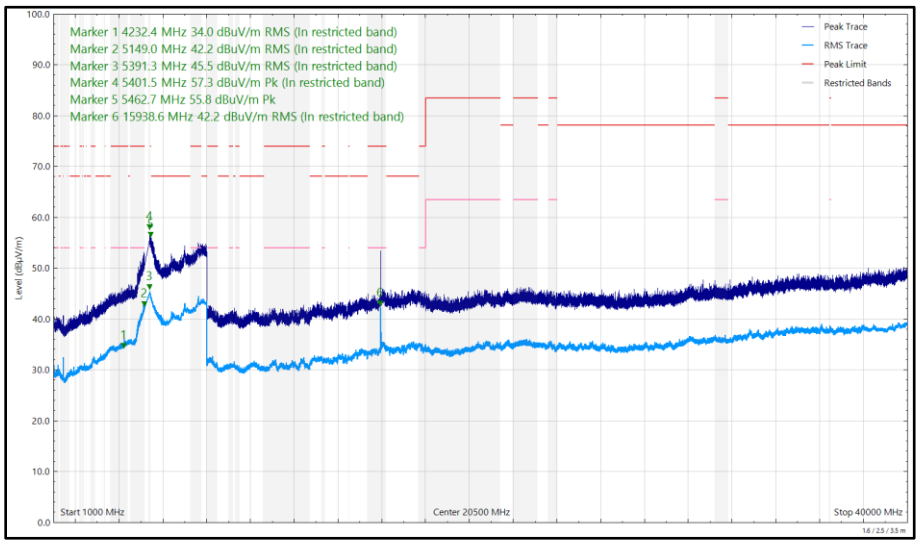

Figure 518 - U-NII-2A - 5320 MHz (CH64), HE20, RU52-37, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
5093.734	55.35	74.00	-18.65	Peak	9	330	Vertical
5144.743	38.80	54.00	-15.20	RMS	71	317	Horizontal
5144.842	43.16	54.00	-10.84	RMS	7	317	Vertical
5390.937	42.60	54.00	-11.40	RMS	74	328	Horizontal
5391.689	46.85	54.00	-7.15	RMS	0	268	Vertical
5393.349	58.17	74.00	-15.83	Peak	0	268	Vertical
5462.034	57.94	68.20	-10.26	Peak	0	261	Vertical
5464.609	53.77	68.20	-14.43	Peak	73	317	Horizontal
15959.794	35.62	54.00	-18.38	RMS	277	359	Horizontal
15960.490	40.06	54.00	-13.94	RMS	206	101	Vertical

Table 573 - U-NII-2A - 5320 MHz (CH64), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz

No other emissions found within 10 dB of the limit.

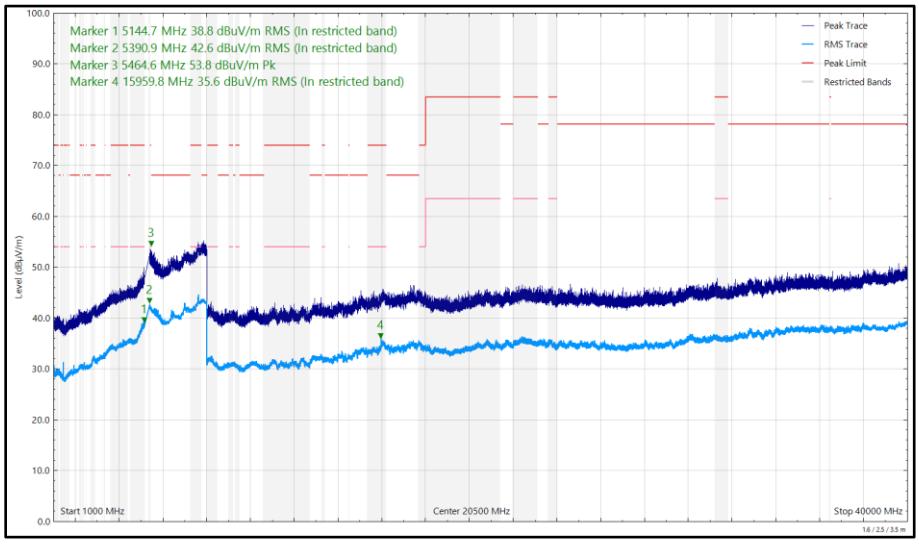

Figure 519 - U-NII-2A - 5320 MHz (CH64), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

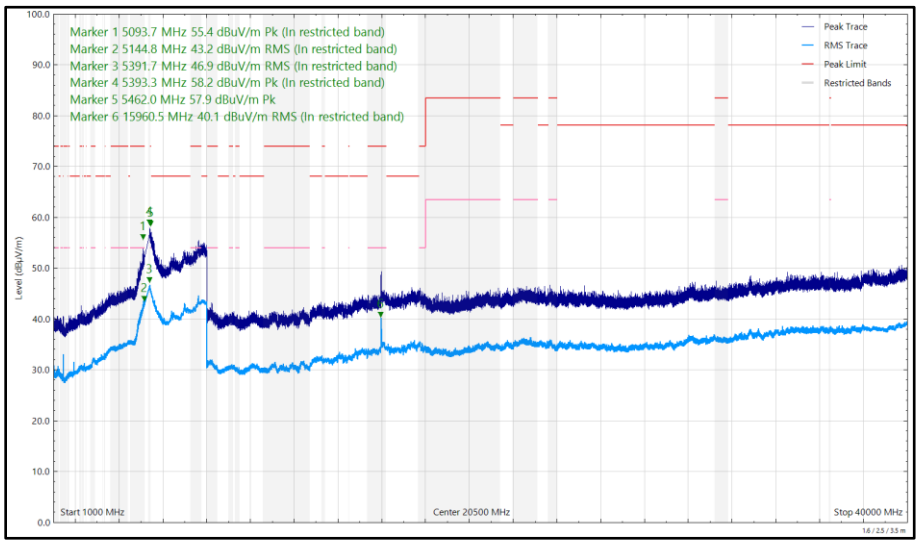

Figure 520 - U-NII-2A - 5320 MHz (CH64), HT20, CDD, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

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) at 3m	Field Strength Limit (dBµV/m) at 3m
30 to 88	100	40.00
88 to 216	150	43.52
216 to 960	200	46.02
Above 960	500	53.98

Table 574 - Radiated Emissions Limit Table (FCC)

2.6.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 17 and RF Chamber 18.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5939	12	05-May-2025
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	20-May-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	11-Dec-2024
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-2025
Attenuator 4dB	Pasternack	PE7074-4	6204	24	20-Jun-2026
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	06-Jan-2025
USB Spectrum Analyser	Signal Hound	SA124B	6295	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6298	-	TU
Cable (SMA to SMA 8m)	Junkosha	MWX221-08000AMSAMS/B	6318	12	18-Feb-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	6324	12	04-Feb-2025
Digital Multimeter	Fluke	115	6345	12	24-Jul-2025
Humidity and Temperature Meter	R.S Components	1364	6346	12	06-Mar-2025
8 GHz High Pass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6427	12	23-Apr-2025
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	10-Feb-2025
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	07-Feb-2026
AC Power Supply	iTech	IT7324	6657	-	O/P Mon
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	28-Jan-2026
Mast and Turntable Controller	Maturo Gmbh	FCU3.0	6659	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6660	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6661	-	TU
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	01-Feb-2025
Double Ridge Active Horn Antenna (18-40 GHz	Com-Power	AHA-840	6771	24	17-Jan-2025
Pre Amp 8 - 18 GHz	Wright Technologies	APS06-0061	6783	12	23-Apr-2025
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	18-Jul-2025
Cable Assembly	SpecTech	PE300-60	6861	-	TU
Cable Assembly	SpecTech	PE300-60	6862	-	TU
Cable Assembly	SpecTech	PE300-60	6863	-	TU

Table 575

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

2.7 Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

2.7.1 Specification Reference

FCC 47 CFR Part 15E, Clause 15.407 (h)(2)(iii)(iv)

2.7.2 Equipment Under Test and Modification State

A3403, S/N: C57342PMXW - Modification State 0

2.7.3 Date of Test

29-September-2024 to 30-September-2024

2.7.4 Test Method

This test was performed in accordance with FCC KDB 905462 D02, clause 7.8.3.

Radar Pulse Type 0 was then transmitted, and the Spectrum monitored. The transmissions from the UUT were observed for a period of 12 seconds after the final injected Radar Pulse.

It was checked that all transmissions stopped within the 10 second period defined from the point of the end of the final Radar pulse + 10 seconds. In addition, the aggregate on time during the first 200ms and the following 9.8 seconds of the Channel Move Time was computed.

The markers on the trace data correspond to the following time periods:

Yellow - End Of Radar Burst, (T0)
Purple - End Of Channel Move Time, (T0 + 10 seconds)

To verify the non-occupancy period, the external trigger was used to trigger a 30-minute sweep from the moment the radar burst sequence was injected. It was verified that no transmissions occurred on the test channel during this time period.

2.7.5 Environmental Conditions

Ambient Temperature	22.9 - 24.9 °C
Relative Humidity	40.4 - 43.7 %

2.7.6 Test Results

5 GHz WLAN – Master to Client

The equipment under test was a Client without Radar Detection.

This test was performed in the following mode of operation: 802.11ax HE160.

The equipment was set up as shown in the diagram below. The EUT was configured to run iPerf, transmitting UDP to the client laptop. The channel loading was set to >17% by adjusting the bandwidth specified in the iPerf UDP transfer.

To calibrate the level of the radar at the input to the companion device, the companion device was replaced by the spectrum analyser and the output of the PXI RF generator adjusted to give -62 dBm.

Radar Type	Pulse Width (µs)	PRI (µs)	Number of Pulses
0	1	1428	18

Table 576 - Radar Pulse Type 0 Characteristics

Manufacturer	Model	Serial Number	FCC ID
ASUS	GT-AXE11000	M8IG0X400285XVN	MSQ-RTAXJF00

Table 577 - Details of Master Device used to support testing

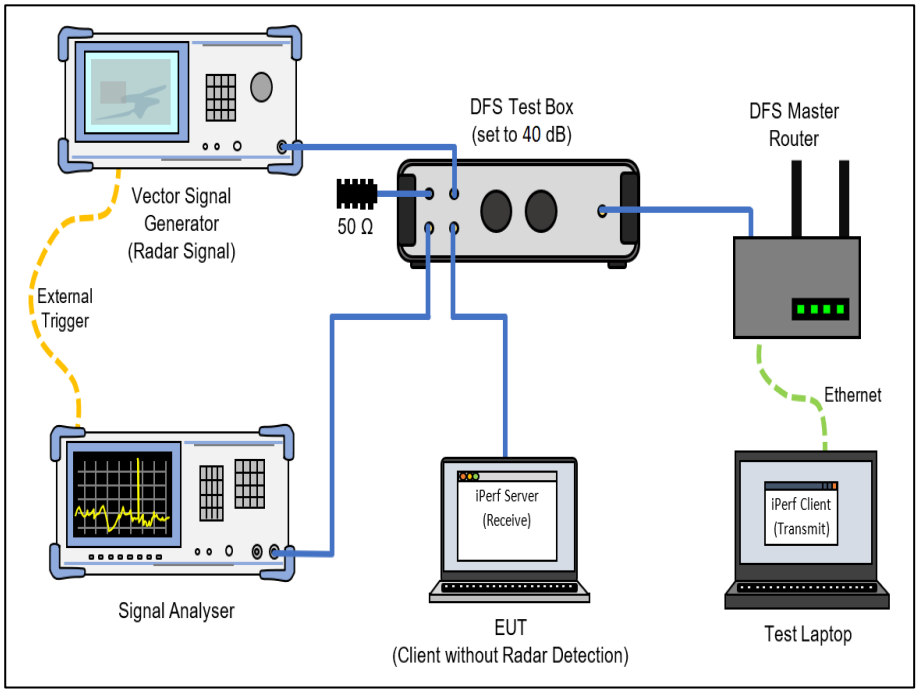

Figure 521 - Test Equipment Setup Diagram for Client without Radar Detection with Injection at the Master

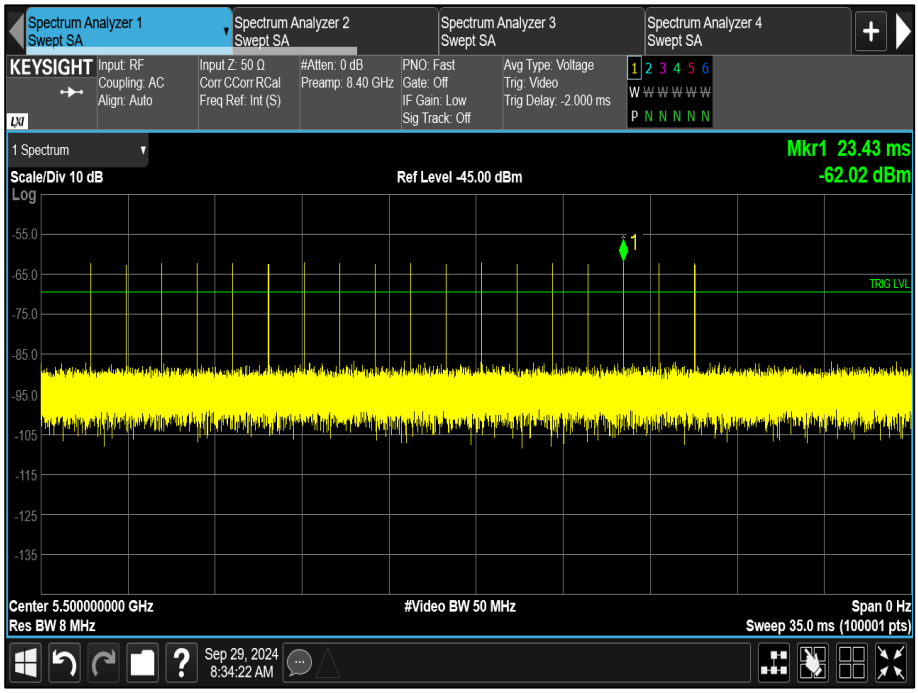

Figure 522 - Verification of Radar Type 0

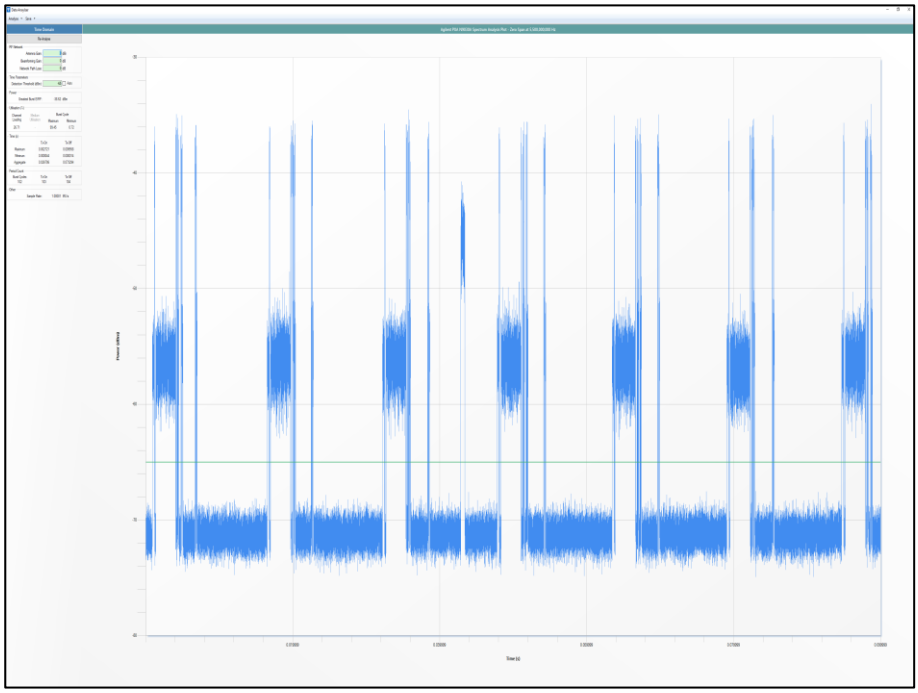

Figure 523 - Channel Loading

The channel loading was 26.71%

Maximum Transmit Power	Value (Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

Table 578 - DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Test Parameter	Result
Test Channel	CH114 (5570 MHz), Control CH100 (5500 MHz)
Channel Move Time	0.883
Channel Closing Time (Aggregate Time During 200 ms)	10.440
Channel Closing Time (Aggregate Time During 200 ms to 10 s)	5.040
Channel Closing Time (Aggregate Time During 10 s)	15.480
Transmission Observed During Non-Occupancy Period	No

Table 579 - In-Service Monitoring Test Results

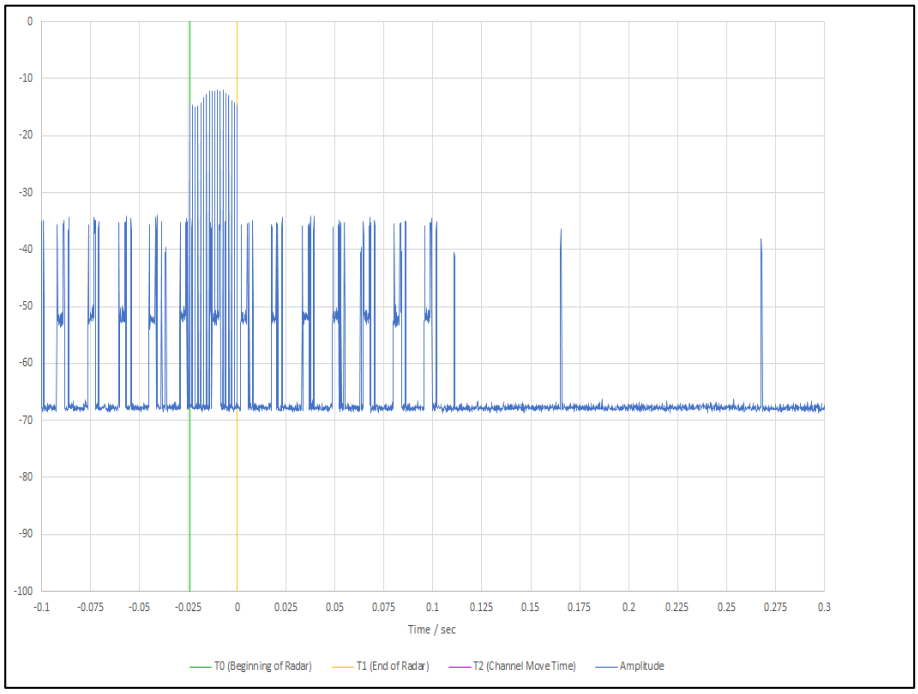

Figure 524 - First 200 ms of Channel Shutdown Period

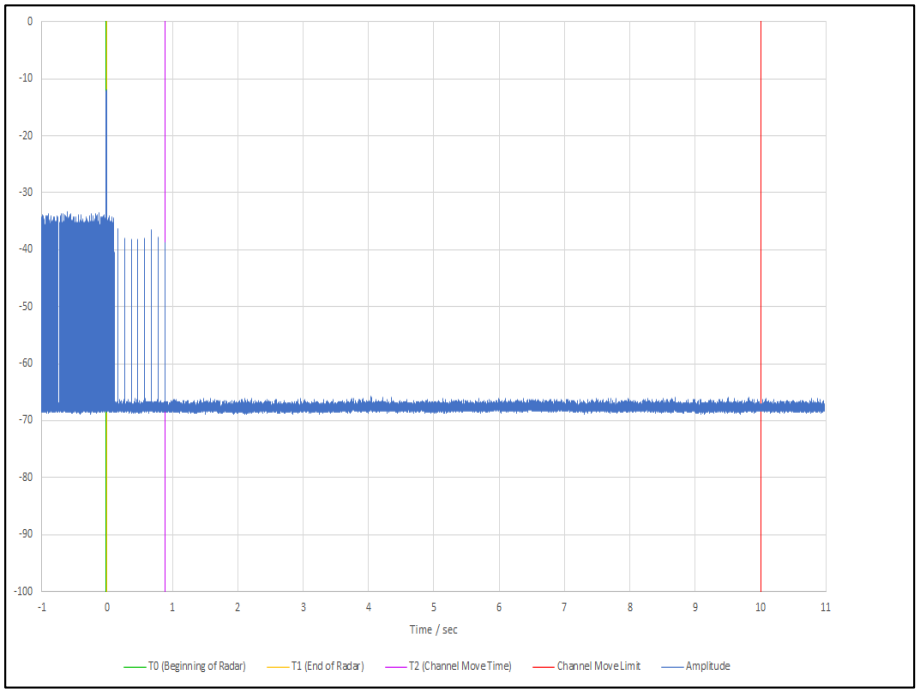

Figure 525 - First 12 s of Channel Shutdown Period

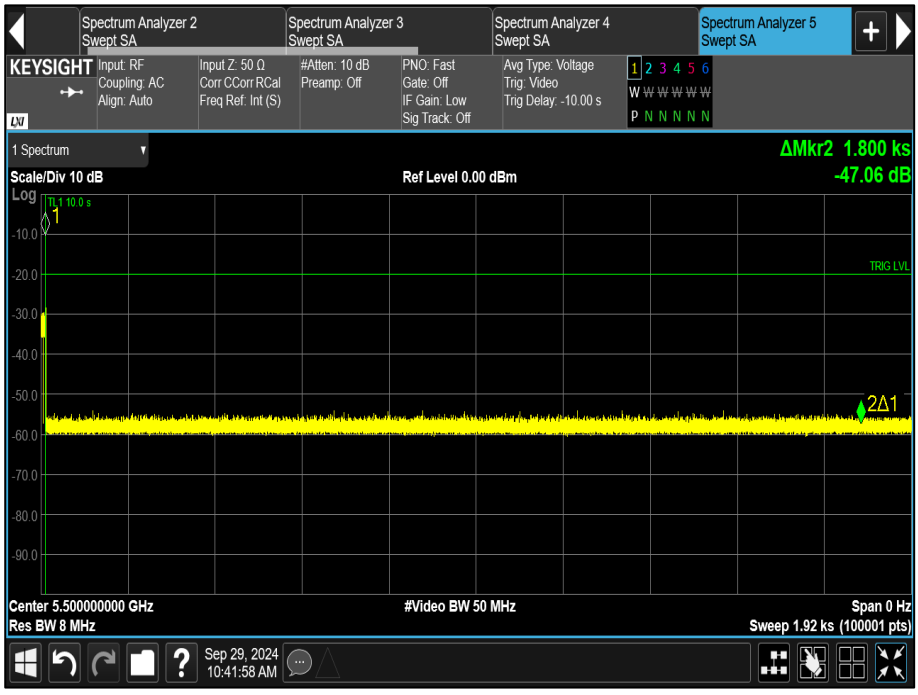

Figure 526 - 30 minute Non-Occupancy Period