

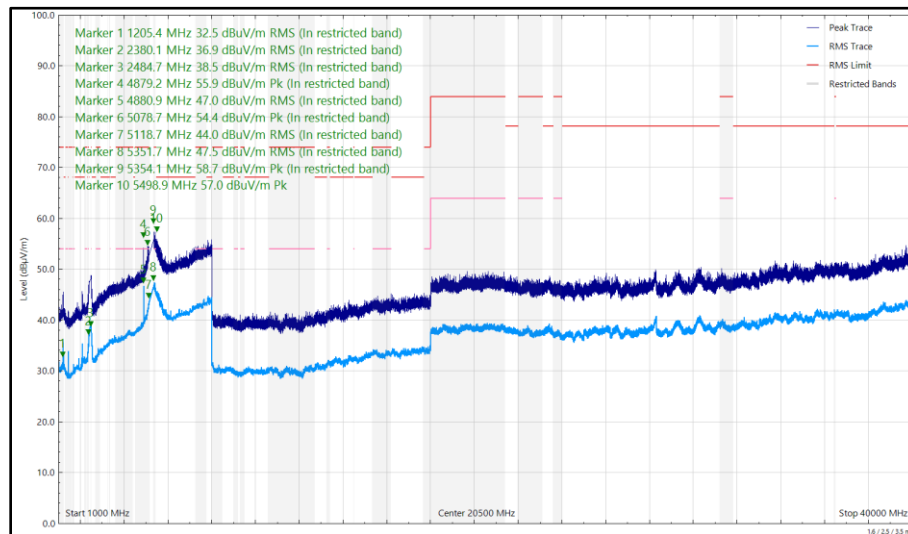


Figure 61 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
282.656	21.62	46.00	-24.38	Q-Peak	323	353	Horizontal
2398.619	57.11	74.00	-16.89	Peak	49	386	Vertical
2484.291	54.56	74.00	-19.44	Peak	28	400	Vertical
4980.295	39.06	54.00	-14.94	RMS	345	307	Vertical
5109.368	53.69	74.00	-20.31	Peak	3	329	Vertical
5116.860	37.64	54.00	-16.36	RMS	118	394	Horizontal
5119.542	41.98	54.00	-12.02	RMS	7	350	Vertical
5355.129	55.67	74.00	-18.33	Peak	353	315	Vertical
5355.567	40.78	54.00	-13.22	RMS	11	100	Vertical
5384.058	38.44	54.00	-15.56	RMS	106	389	Horizontal
5601.567	59.29	74.00	-14.71	Peak	3	269	Vertical

Table 24 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

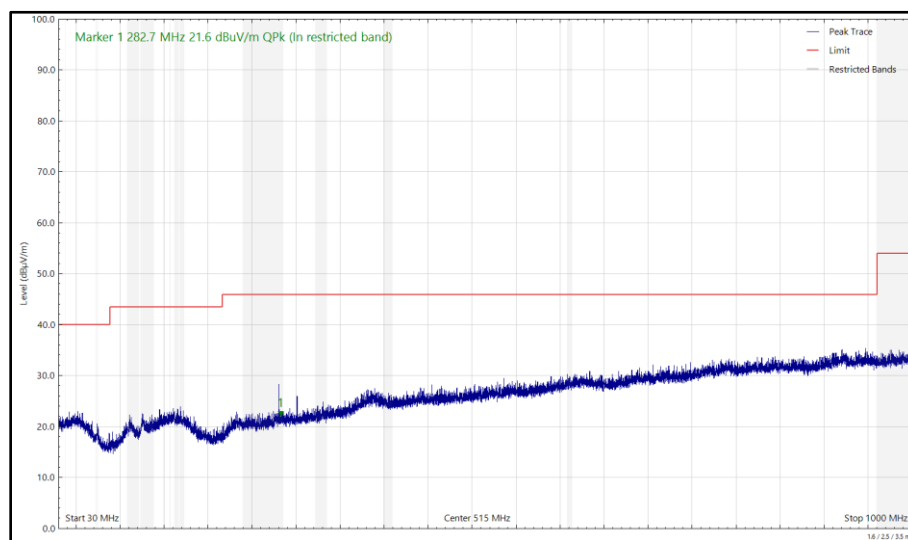


Figure 62 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

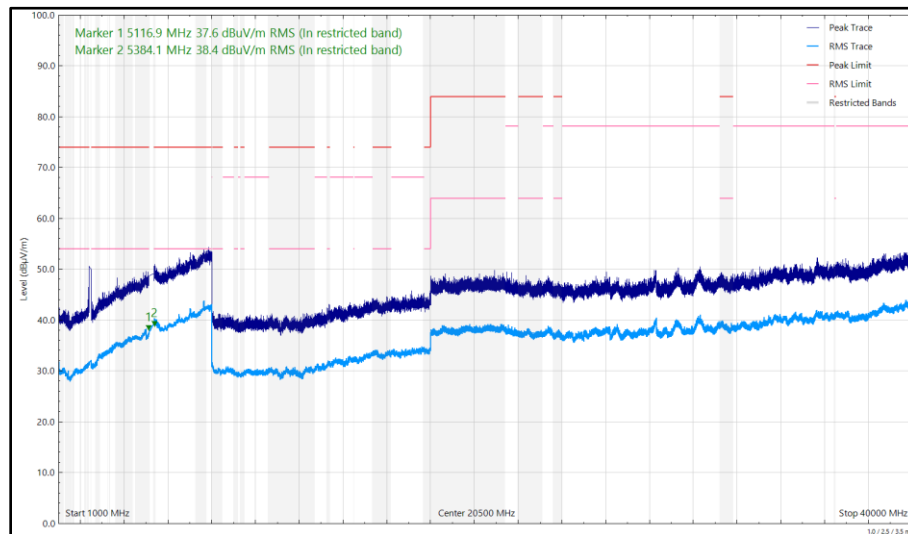


Figure 63 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

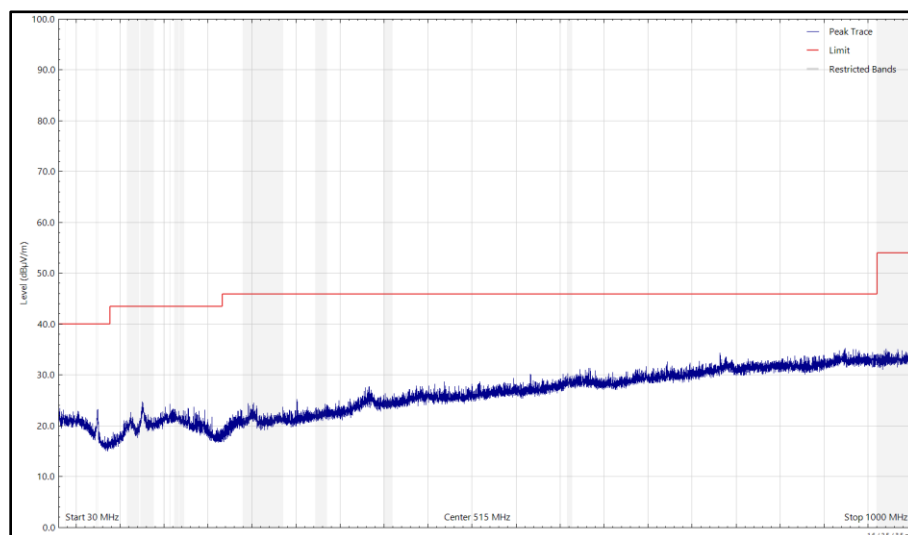


Figure 64 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

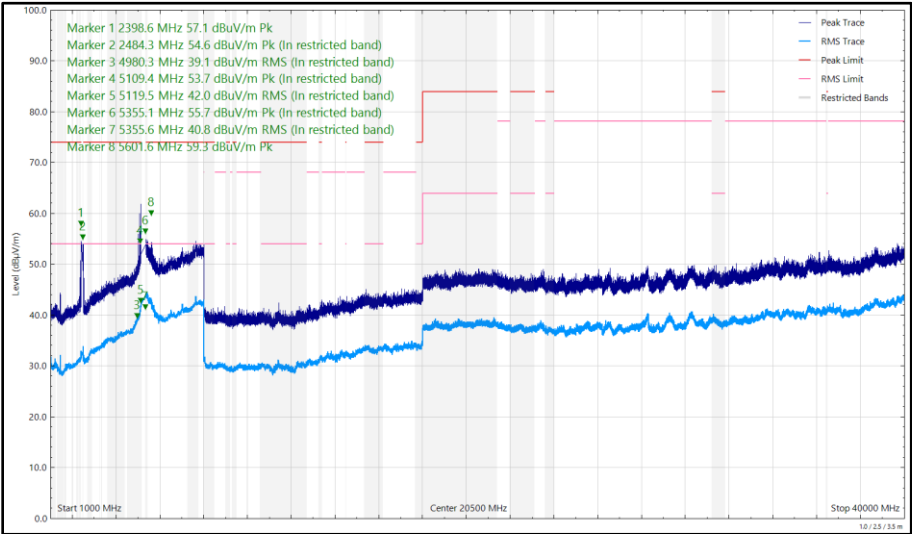


Figure 65 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
282.133	21.74	46.00	-24.26	Q-Peak	97	398	Horizontal
4880.867	40.82	54.00	-13.18	RMS	30	357	Vertical
5110.304	55.64	74.00	-18.36	Peak	3	304	Vertical
5116.392	38.11	54.00	-15.89	RMS	125	347	Horizontal
5119.894	43.42	54.00	-10.58	RMS	4	337	Vertical
5354.275	47.06	54.00	-6.94	RMS	350	312	Vertical
5355.442	57.93	74.00	-16.07	Peak	351	346	Vertical
5365.392	40.90	54.00	-13.10	RMS	293	338	Horizontal

Table 25 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

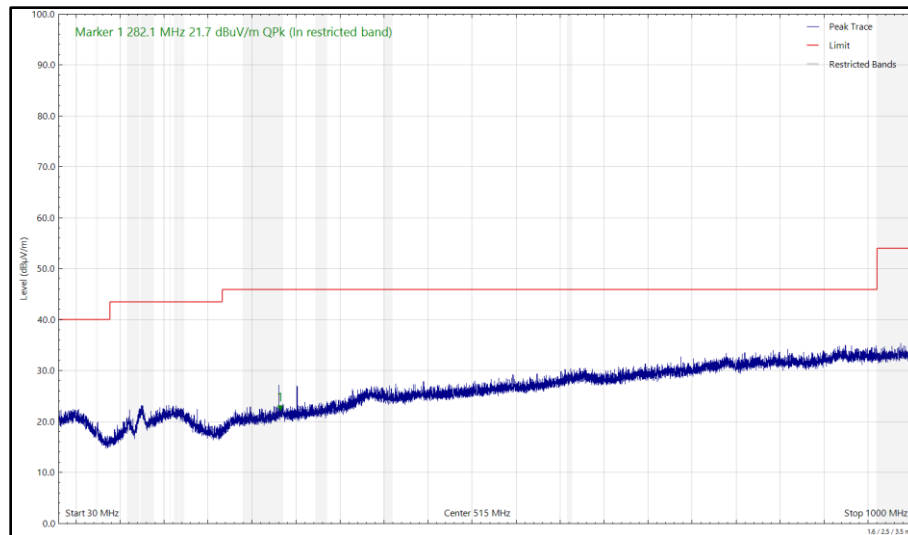


Figure 66 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

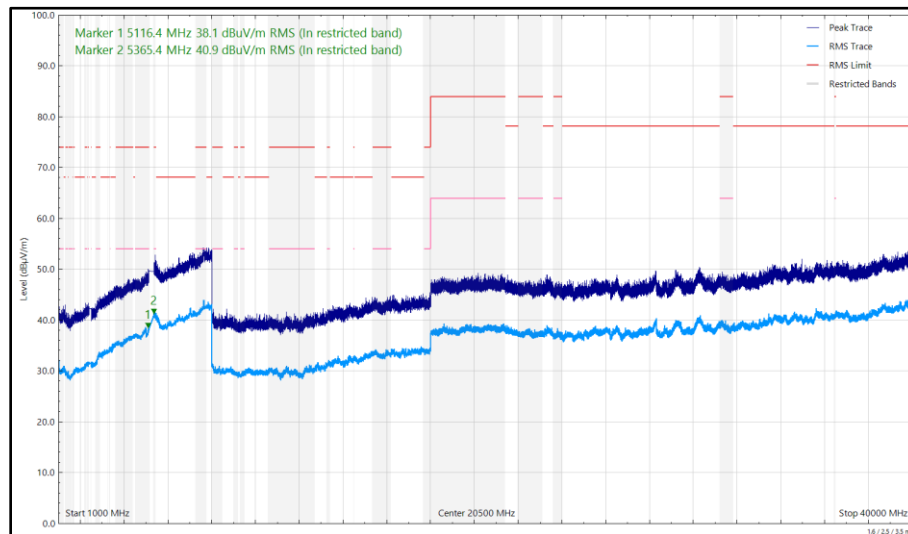


Figure 67 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

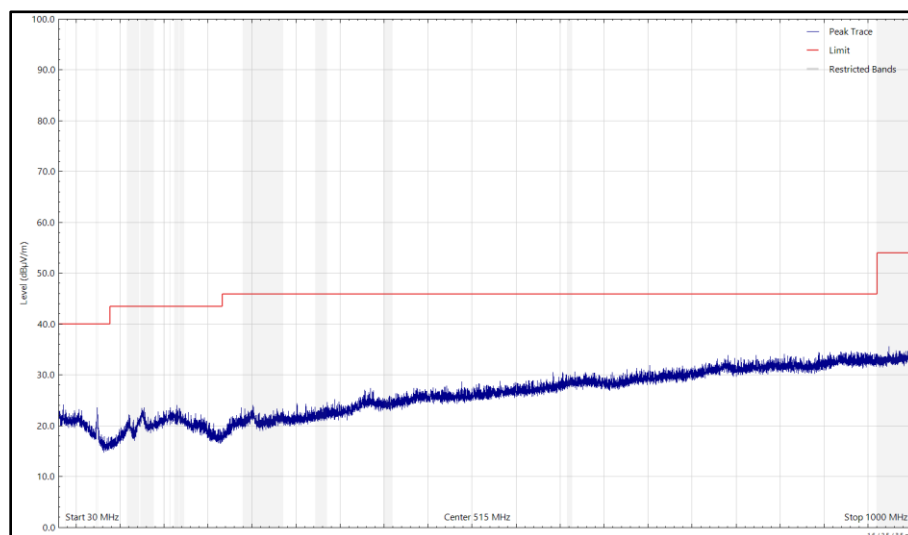


Figure 68 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

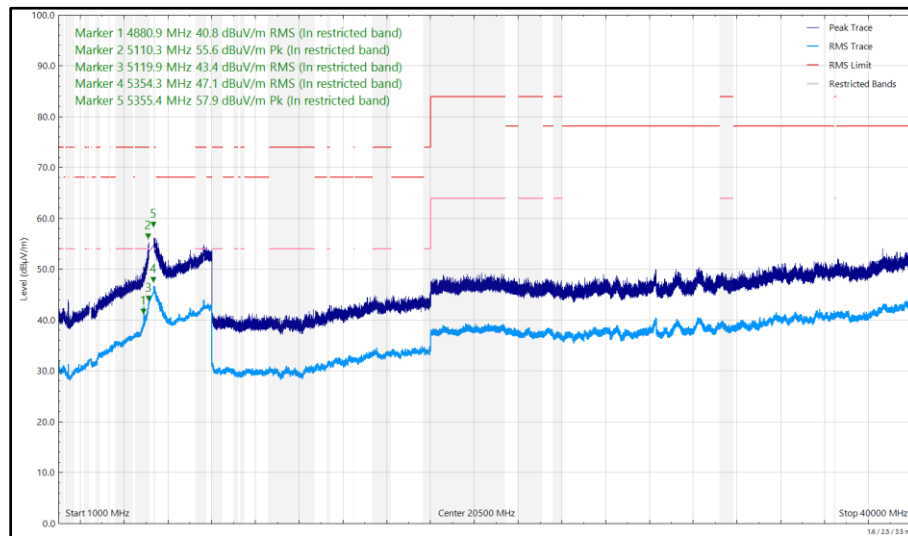


Figure 69 - 5240 MHz (CH48), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1440.152	33.74	54.00	-20.26	RMS	251	187	Vertical
2389.781	37.01	54.00	-16.99	RMS	0	335	Vertical
2483.865	34.87	54.00	-19.13	RMS	56	379	Horizontal
2483.890	38.36	54.00	-15.64	RMS	8	354	Vertical
4879.043	45.15	54.00	-8.85	RMS	326	331	Vertical
4880.873	37.43	54.00	-16.57	RMS	90	199	Horizontal
5399.543	45.36	54.00	-8.64	RMS	350	338	Vertical
5451.722	57.43	74.00	-16.57	Peak	349	329	Vertical
5459.013	41.78	54.00	-12.22	RMS	291	342	Horizontal

Table 26 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

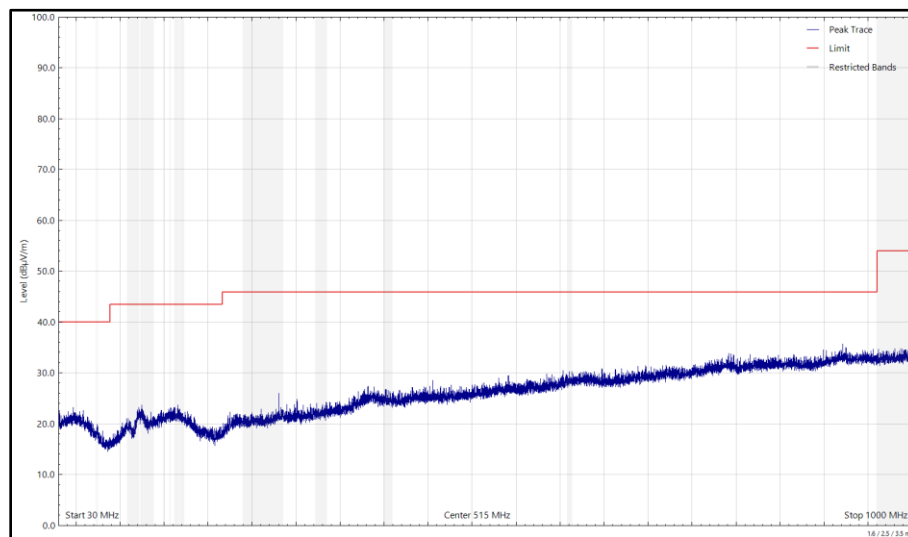


Figure 70 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

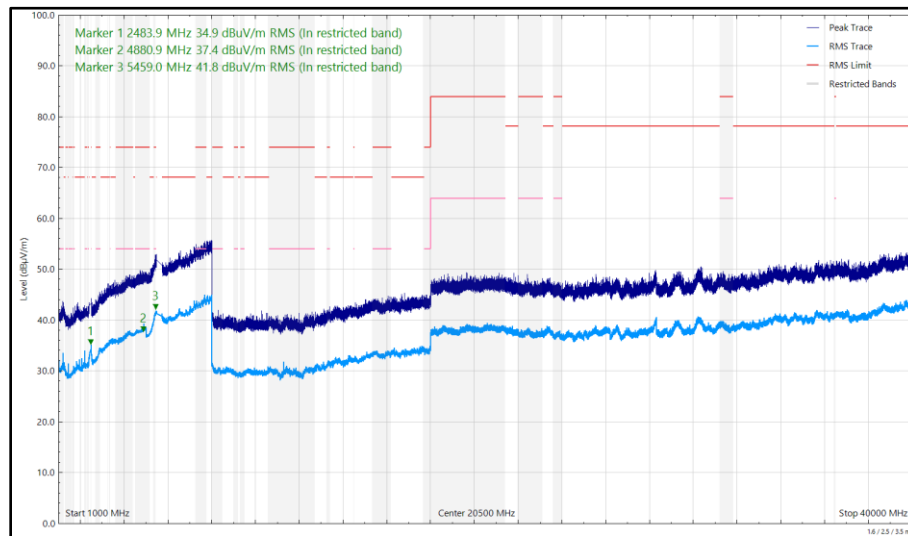


Figure 71 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Horizontal

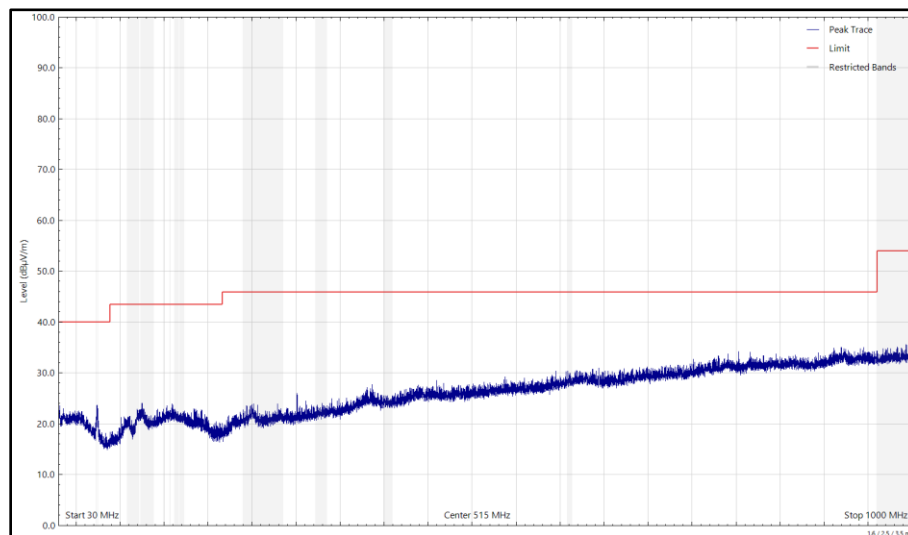


Figure 72 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

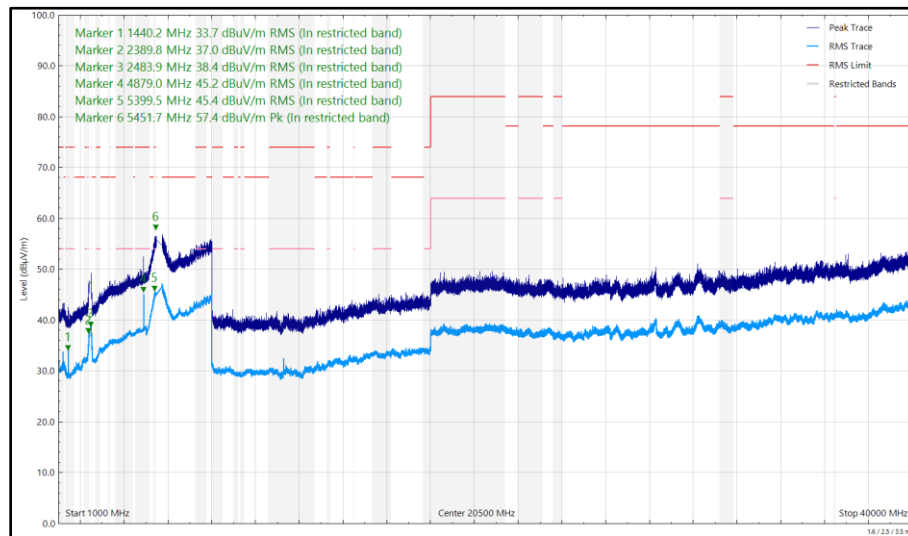


Figure 73 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4879.193	39.99	54.00	-14.01	RMS	27	399	Vertical
5449.734	55.68	74.00	-18.32	Peak	360	249	Vertical
5455.969	43.25	54.00	-10.75	RMS	0	241	Vertical
5461.367	55.55	74.00	-18.45	Peak	358	261	Vertical
5786.412	56.24	74.00	-17.76	Peak	11	268	Vertical

Table 27 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

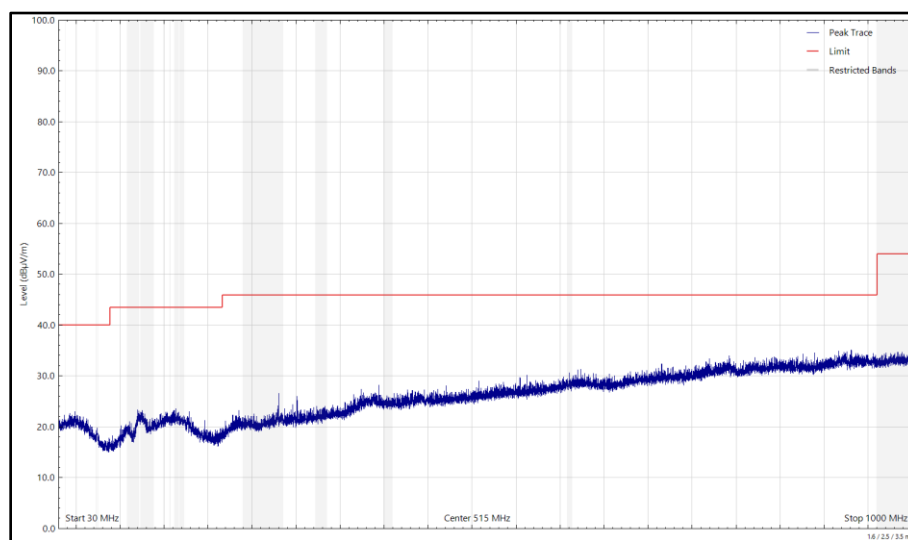


Figure 74 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

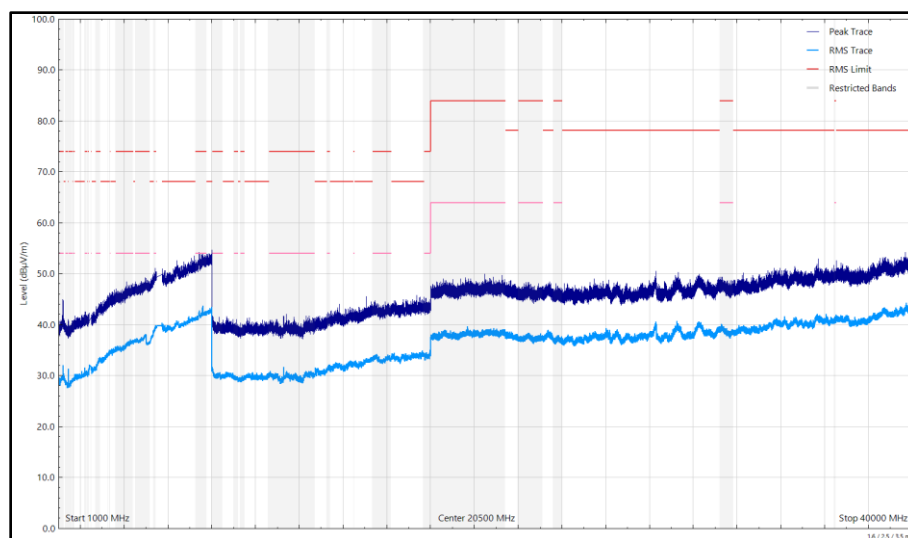


Figure 75 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

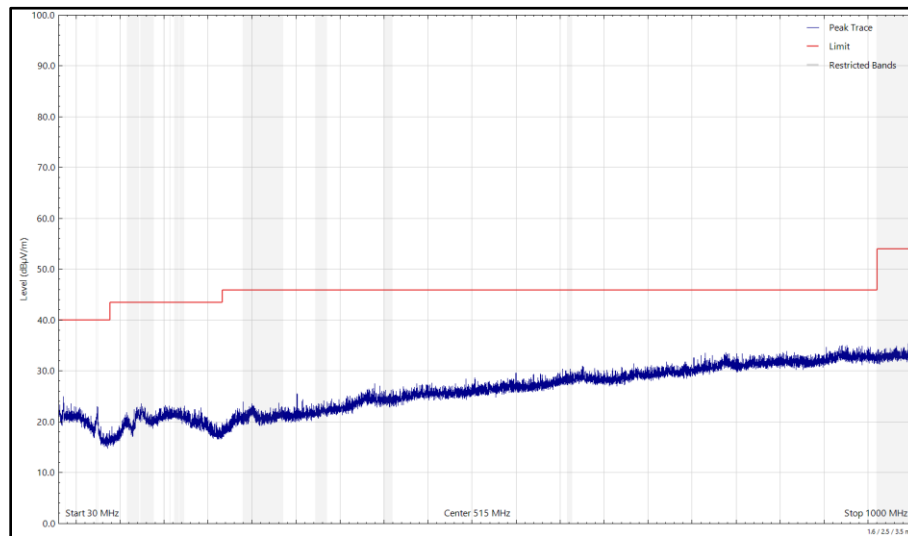


Figure 76 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

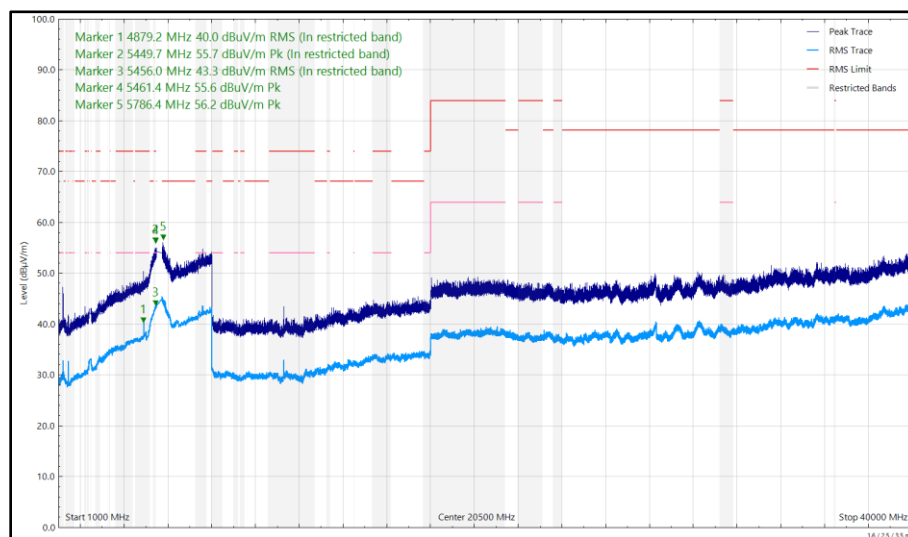


Figure 77 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
173.836	21.06	43.50	-22.44	Q-Peak	193	328	Vertical
280.699	21.79	46.00	-24.21	Q-Peak	71	343	Horizontal
982.356	34.98	54.00	-19.02	Q-Peak	7	395	Horizontal
4880.913	41.01	54.00	-12.99	RMS	32	260	Vertical
5442.399	44.45	54.00	-9.55	RMS	353	373	Vertical
5448.874	57.65	74.00	-16.35	Peak	349	330	Vertical
5453.811	40.68	54.00	-13.32	RMS	290	359	Horizontal
5735.555	58.63	74.00	-15.37	Peak	9	263	Vertical

Table 28 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

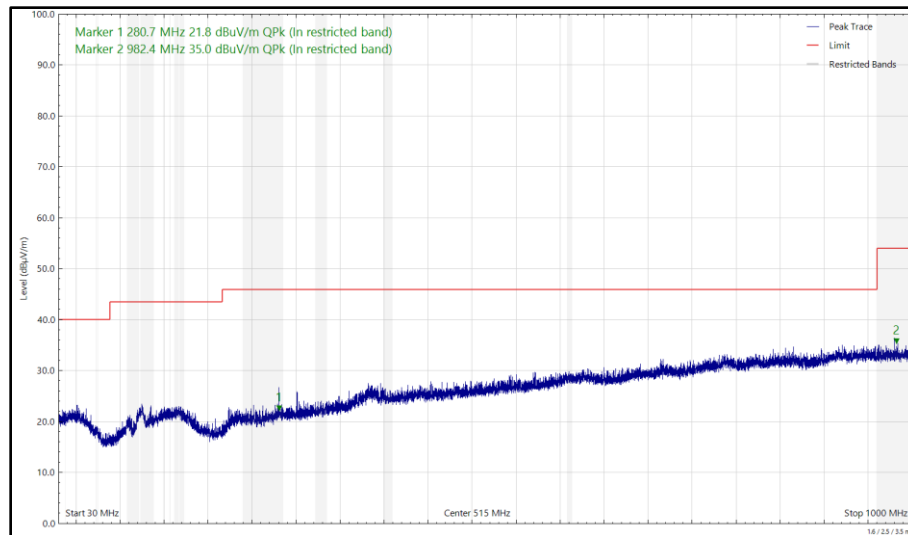


Figure 78 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

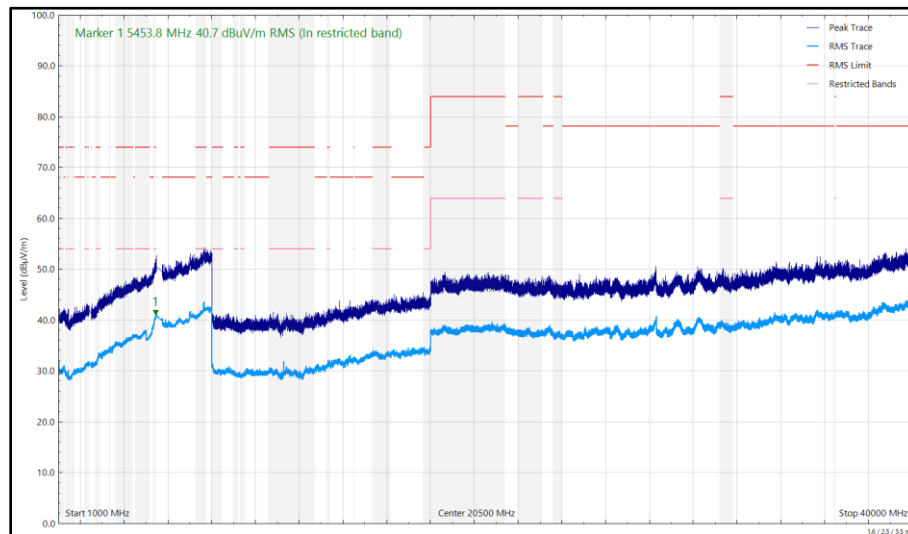


Figure 79 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

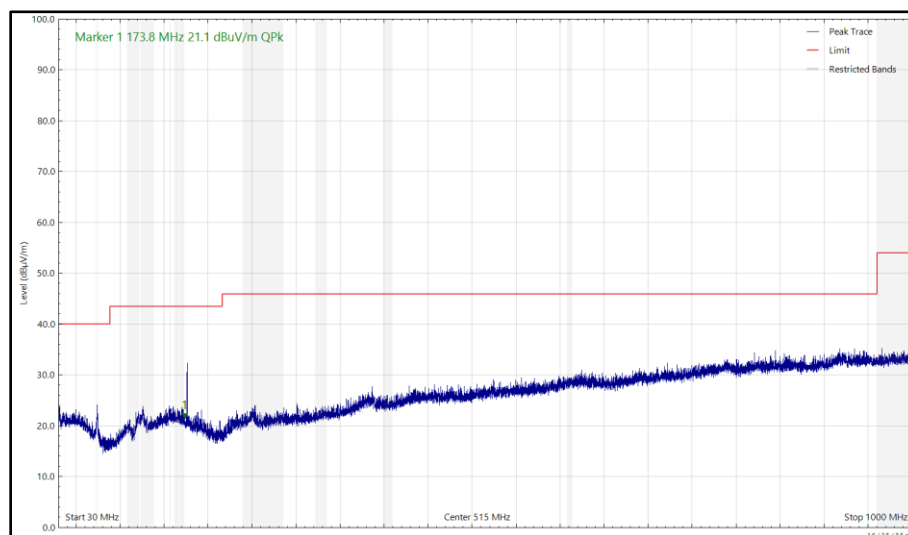


Figure 80 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

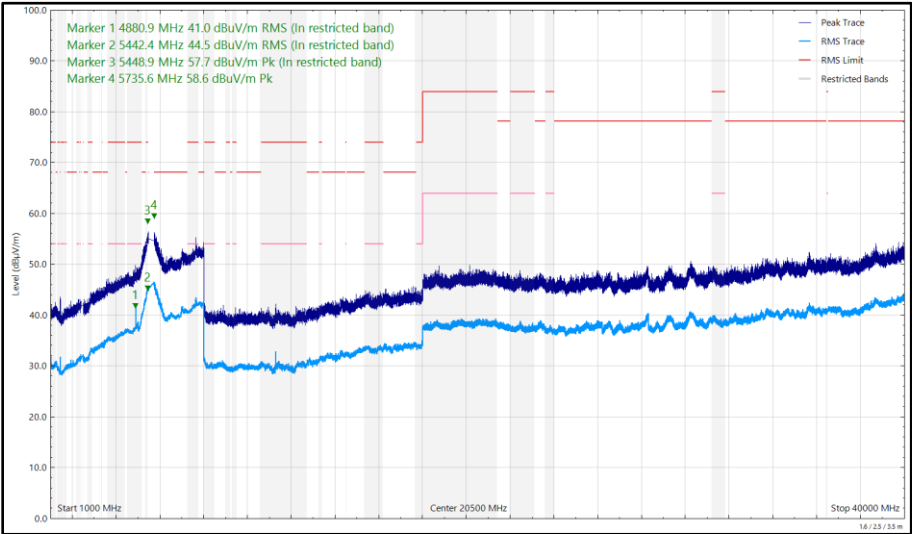


Figure 81 - 5640 MHz (CH128), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
73.320	18.21	40.00	-21.79	Q-Peak	359	300	Vertical
278.082	21.38	46.00	-24.62	Q-Peak	287	400	Horizontal
1440.049	34.17	54.00	-19.83	RMS	141	155	Vertical
2388.829	36.48	54.00	-17.52	RMS	6	366	Vertical
2483.531	33.14	54.00	-20.86	RMS	308	268	Horizontal
2874.619	33.25	54.00	-20.75	RMS	302	238	Vertical
4879.093	45.44	54.00	-8.56	RMS	332	271	Vertical
4891.795	37.45	54.00	-16.55	RMS	302	241	Horizontal
5397.391	43.26	54.00	-10.74	RMS	354	317	Vertical
5410.963	55.65	74.00	-18.35	Peak	355	346	Vertical
5455.342	40.48	54.00	-13.52	RMS	292	328	Horizontal
5724.520	62.54	74.00	-11.46	Peak	7	253	Vertical
5852.307	61.35	74.00	-12.65	Peak	353	253	Vertical

Table 29 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

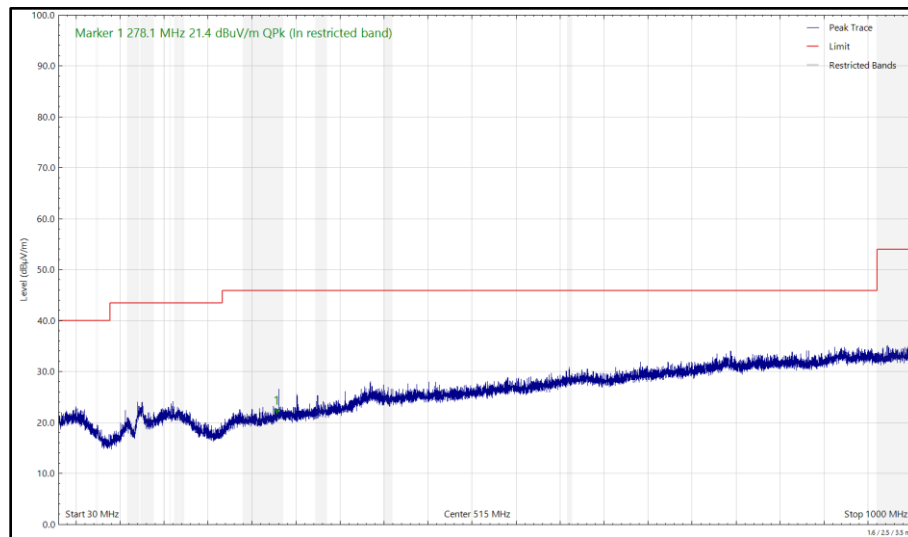


Figure 82 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

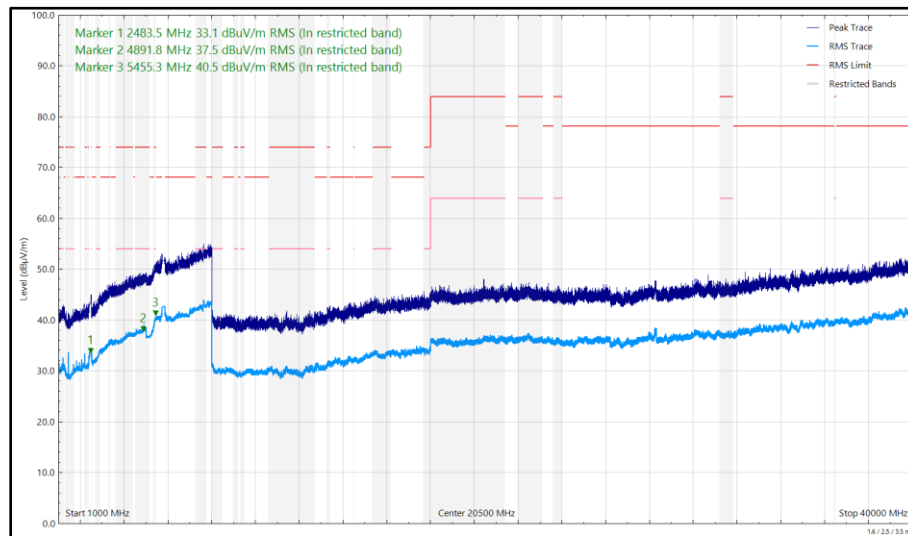


Figure 83 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Horizontal

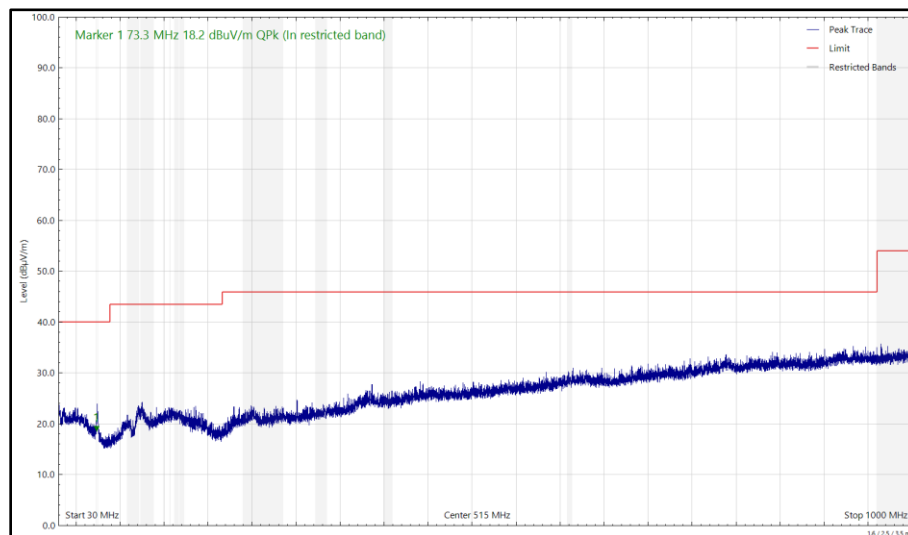


Figure 84 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

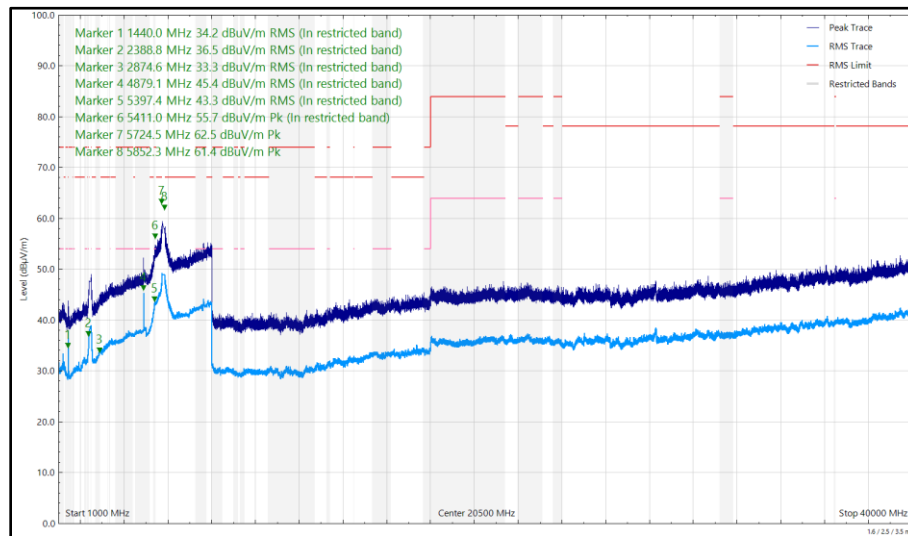


Figure 85 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 0, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
281.086	21.52	46.00	-24.48	Q-Peak	176	390	Horizontal
1440.083	34.18	54.00	-19.82	RMS	247	300	Vertical
5383.096	55.73	74.00	-18.27	Peak	347	319	Vertical
5411.350	44.11	54.00	-9.89	RMS	348	318	Vertical
5437.923	40.01	54.00	-13.99	RMS	252	390	Horizontal
5724.312	60.56	74.00	-13.44	Peak	14	267	Vertical
5858.912	59.75	74.00	-14.25	Peak	6	273	Vertical

Table 30 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

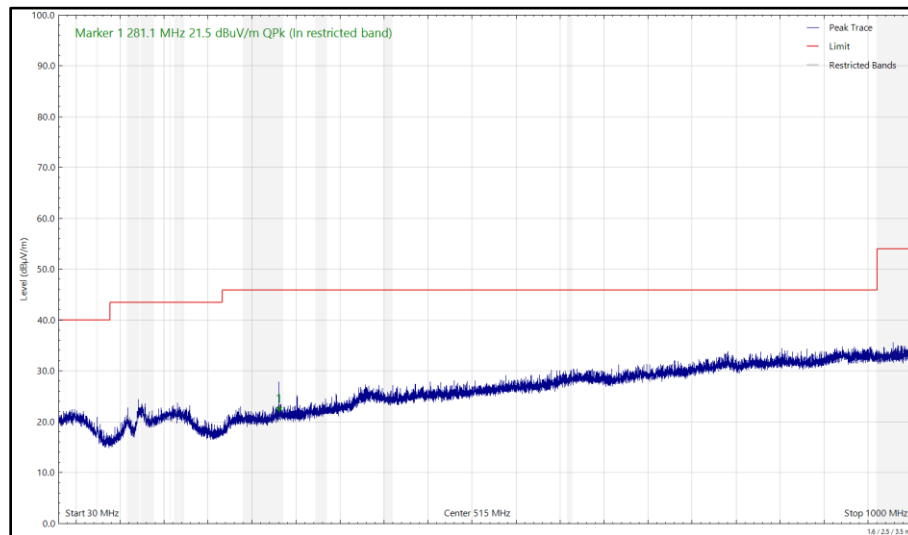


Figure 86 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

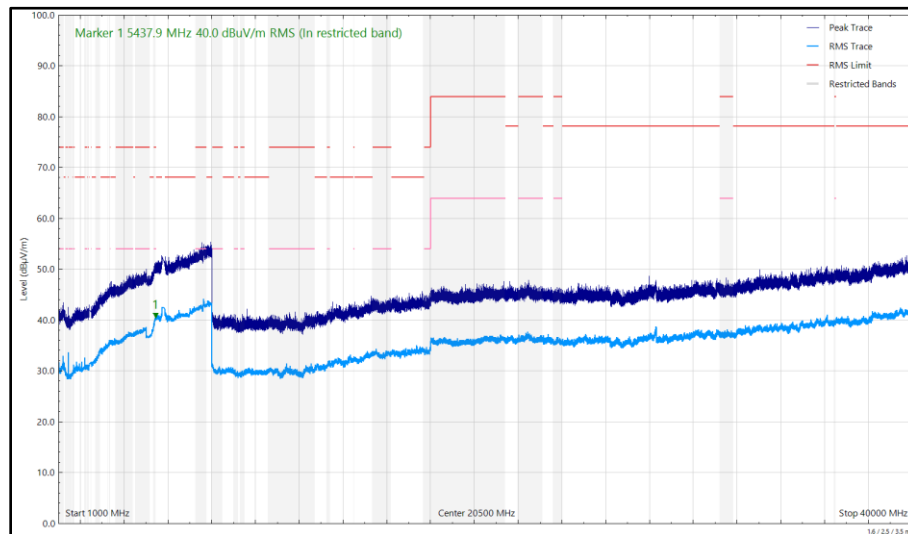


Figure 87 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 1 GHz to 40 GHz, Horizontal

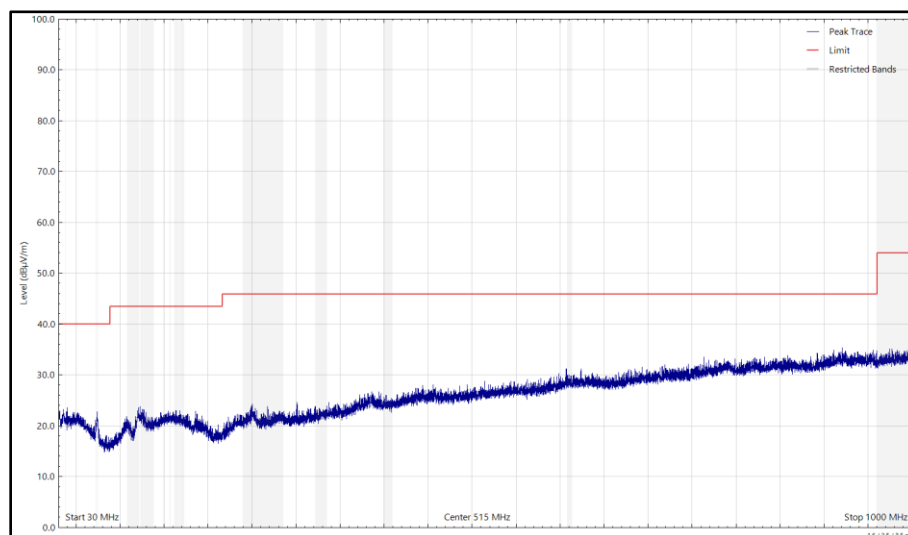


Figure 88 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

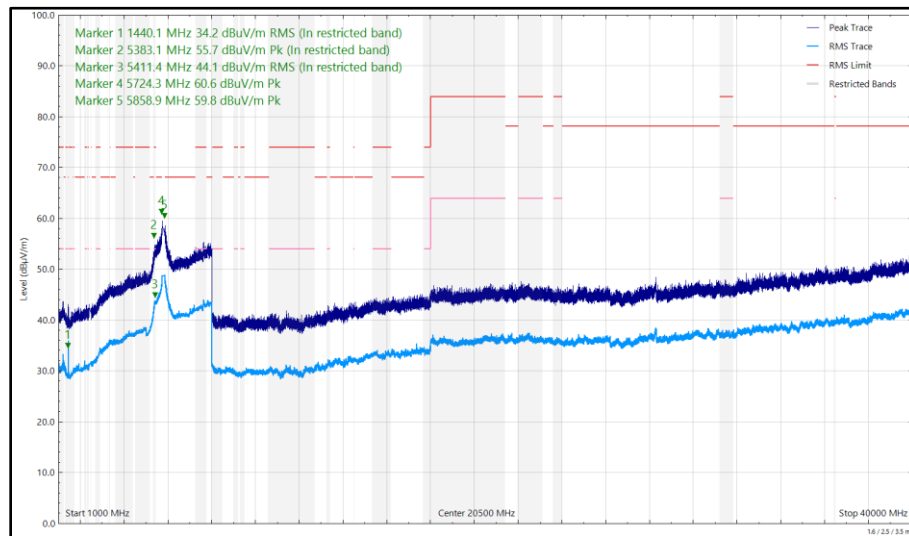


Figure 89 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 1, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
282.667	21.82	46.00	-24.18	Q-Peak	100	357	Horizontal
4880.788	42.68	54.00	-11.32	RMS	0	315	Vertical
5428.304	39.70	54.00	-14.30	RMS	293	332	Horizontal
5430.340	54.52	74.00	-19.48	Peak	354	339	Vertical
5438.545	42.87	54.00	-11.13	RMS	352	246	Vertical
5724.082	59.82	74.00	-14.18	Peak	11	273	Vertical
5850.008	61.20	74.00	-12.80	Peak	2	264	Vertical

Table 31 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

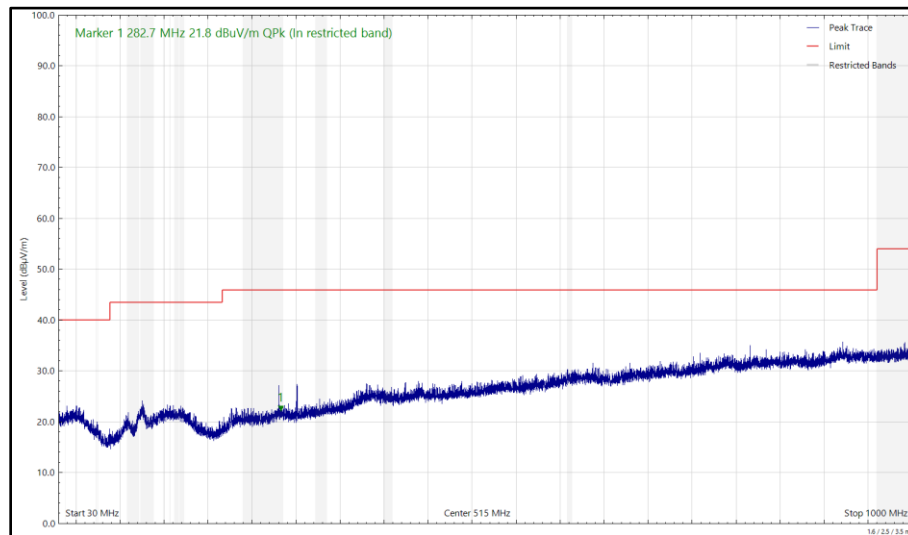


Figure 90 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

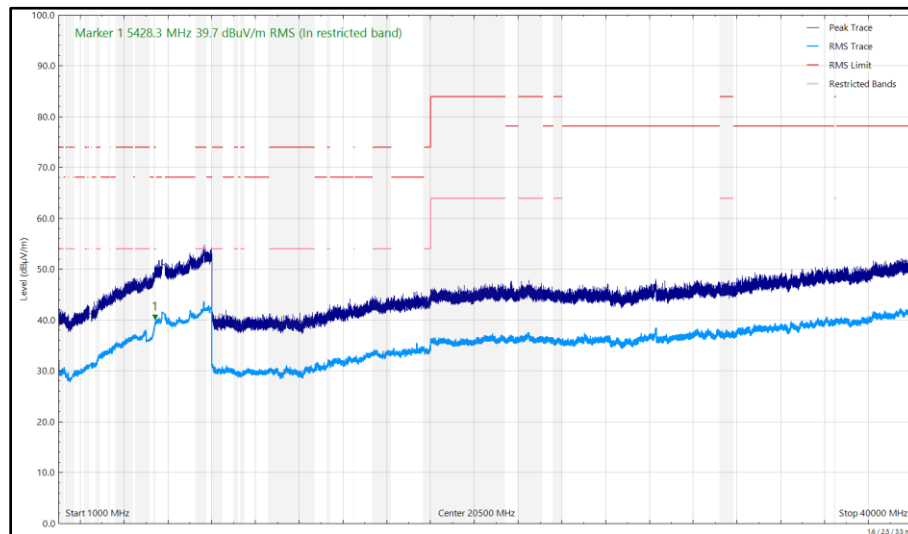


Figure 91 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

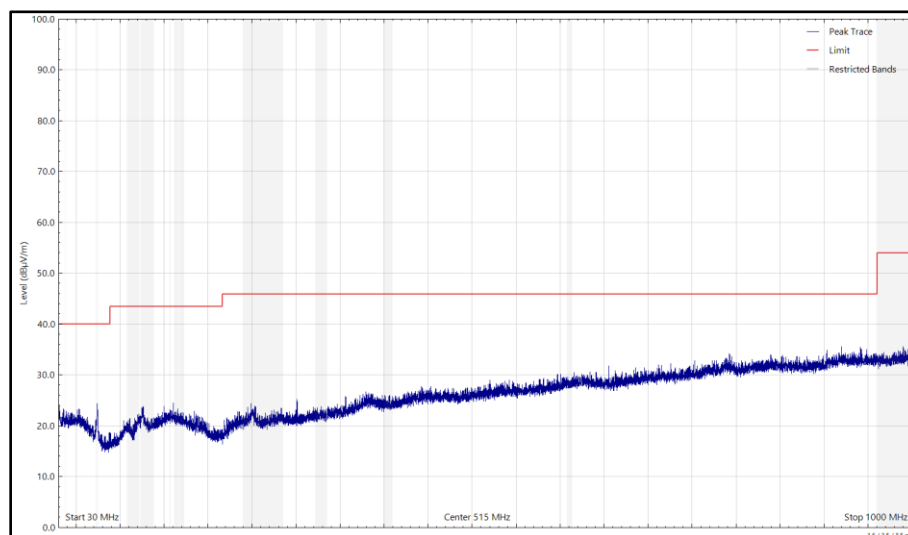


Figure 92 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

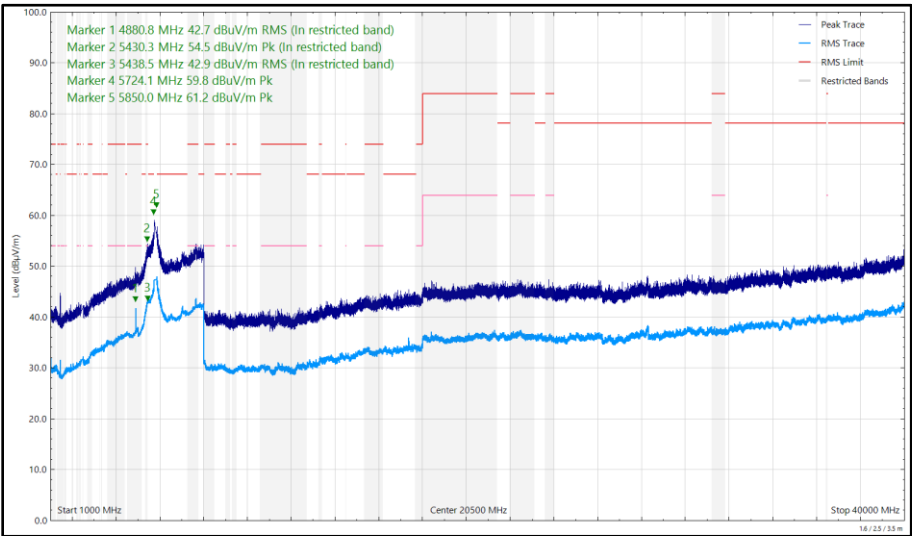


Figure 93 - 5785 MHz (CH157), HT20, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15

The least stringent limit from the applicable rule parts was used to determine compliance for Radiated Emissions testing of multiple transmission sources.

The least stringent applicable limit was:

Clause	Limit
Part 15 247 (d)	-20 dBc
Part 15.407 (b)	-27 dBm e.i.r.p
Part 15.407 (b)	Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.
Part 15.209	Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz)

Table 32

6 GHz WLAN and Thread

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
189.732	18.25	43.50	-25.25	Q-Peak	0	390	Vertical
2483.535	33.57	54.00	-20.43	RMS	359	386	Vertical
4368.264	34.53	54.00	-19.47	RMS	349	371	Horizontal
4878.928	35.30	54.00	-18.70	RMS	47	265	Vertical
4975.791	35.53	54.00	-18.47	RMS	91	321	Horizontal
5126.848	34.75	54.00	-19.25	RMS	349	327	Vertical
5428.411	35.53	54.00	-18.47	RMS	252	329	Horizontal
5454.137	38.69	54.00	-15.31	RMS	6	342	Vertical
7318.590	43.61	54.00	-10.39	RMS	318	227	Vertical
7318.693	42.83	54.00	-11.17	RMS	75	387	Horizontal
8233.320	38.47	54.00	-15.53	RMS	59	259	Vertical
8233.330	36.84	54.00	-17.16	RMS	82	378	Horizontal

Table 33 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

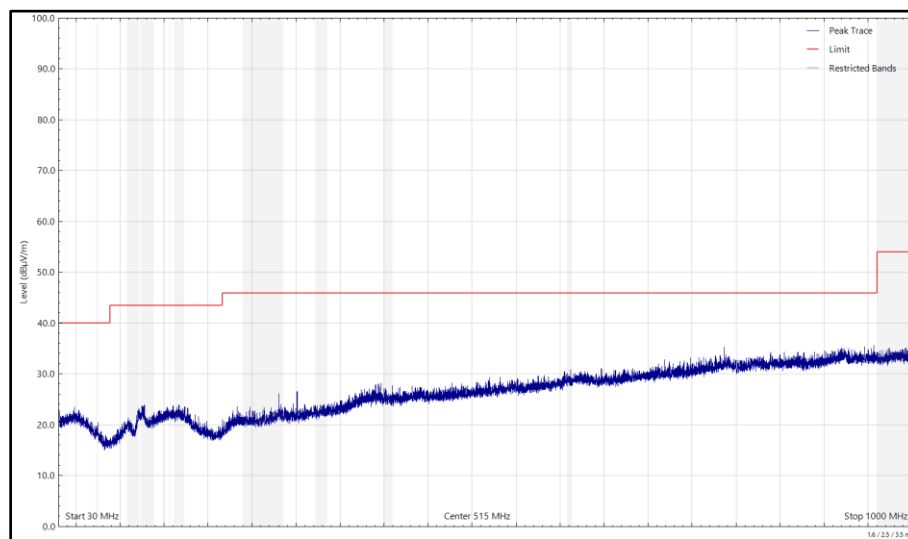


Figure 94 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

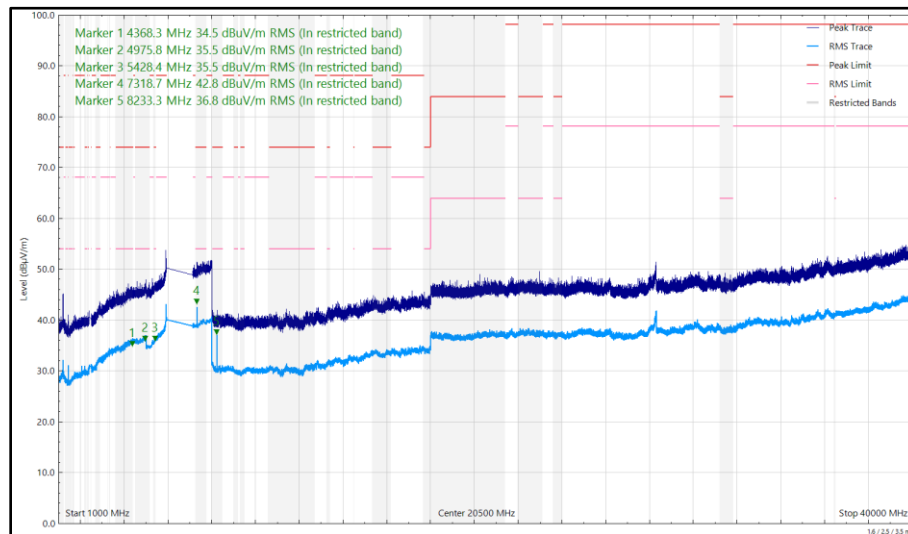


Figure 95 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Horizontal

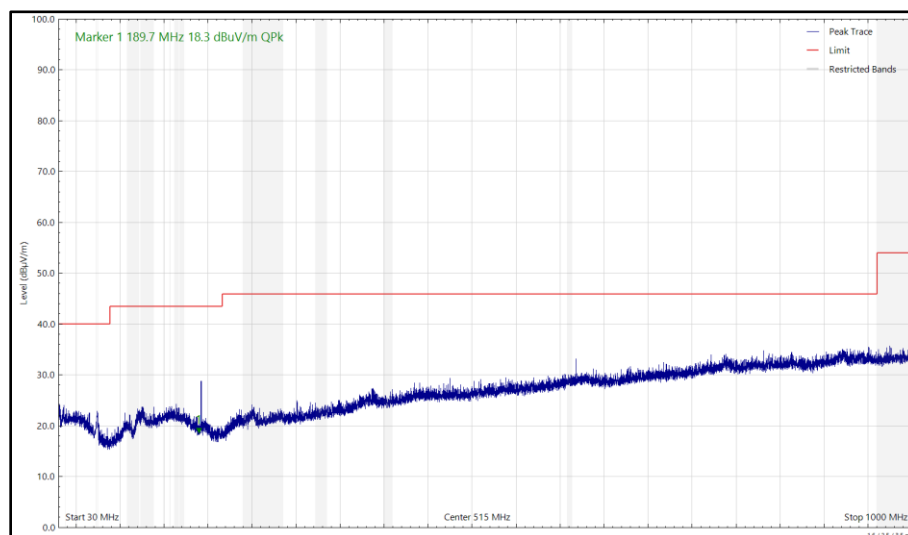


Figure 96 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

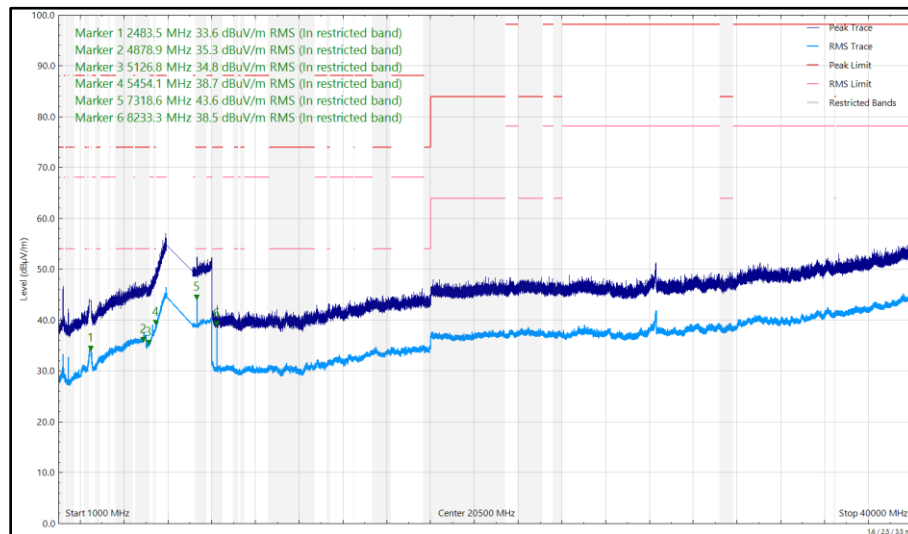


Figure 97 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
73.899	20.86	40.00	-19.14	Q-Peak	110	105	Vertical
280.016	24.04	46.00	-21.96	Q-Peak	92	105	Horizontal
1205.895	34.07	54.00	-19.93	RMS	242	176	Vertical
1440.032	36.02	54.00	-17.98	RMS	254	233	Vertical
5439.586	36.77	54.00	-17.23	RMS	226	339	Horizontal
5453.335	39.67	54.00	-14.33	RMS	356	326	Vertical
8233.305	34.18	54.00	-19.82	RMS	85	399	Horizontal
8233.340	37.86	54.00	-16.14	RMS	34	231	Vertical

Table 34 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

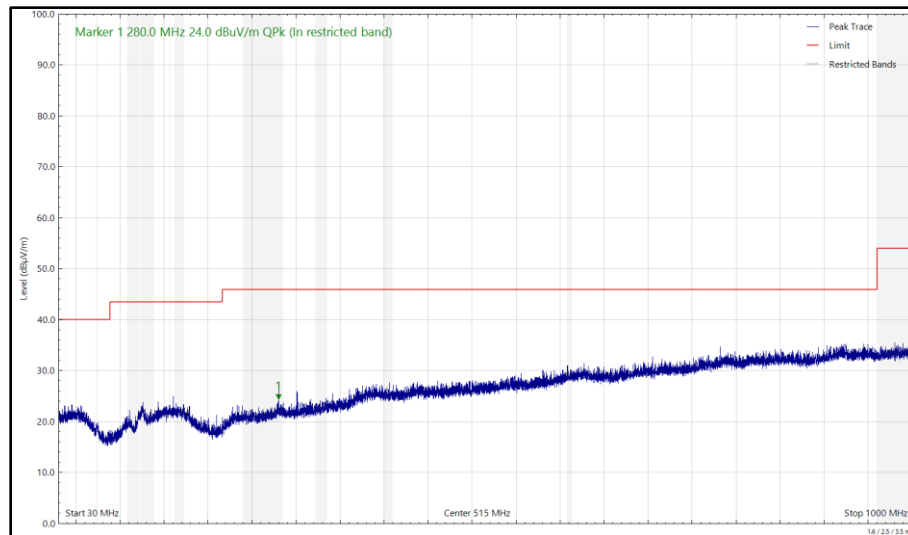


Figure 98 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

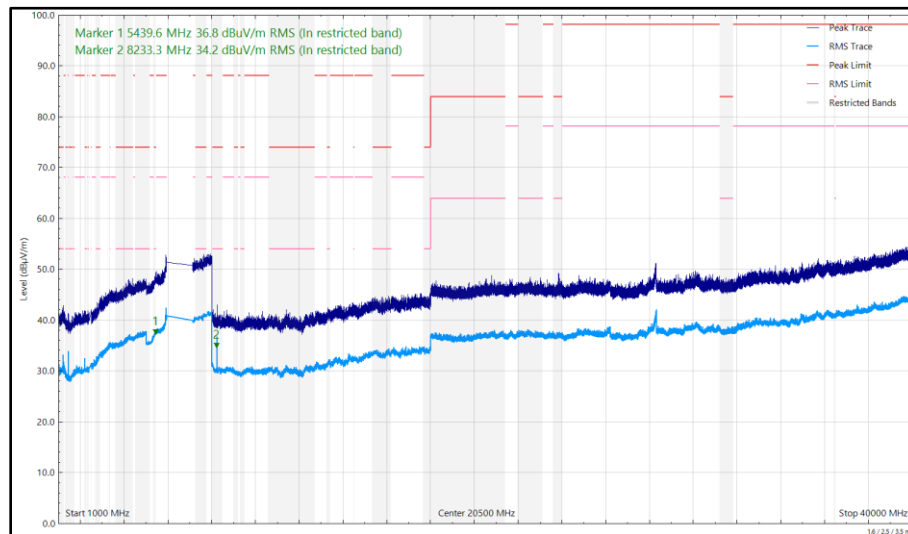


Figure 99 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

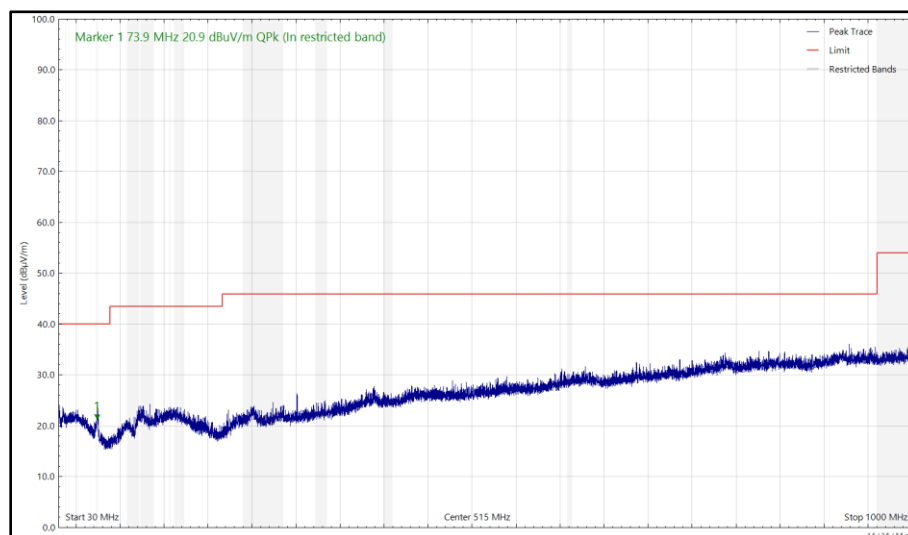


Figure 100 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

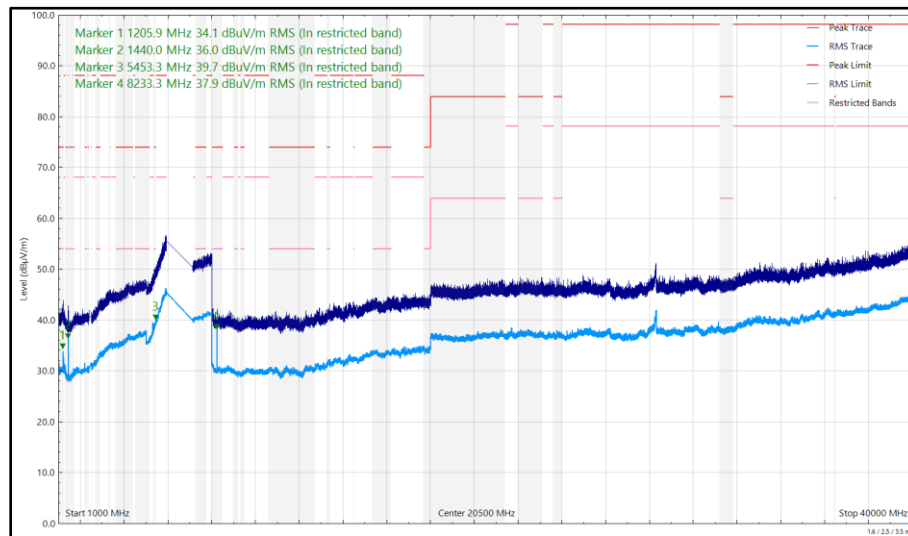


Figure 101 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
283.541	21.75	46.00	-24.25	Q-Peak	348	400	Horizontal
4880.833	36.58	54.00	-17.42	RMS	352	204	Vertical
5453.276	35.77	54.00	-18.23	RMS	314	373	Horizontal
5458.001	39.06	54.00	-14.94	RMS	351	308	Vertical
7318.853	39.80	54.00	-14.20	RMS	20	249	Vertical
8233.300	38.15	54.00	-15.85	RMS	70	100	Vertical
8233.315	36.64	54.00	-17.36	RMS	83	392	Horizontal

Table 35 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

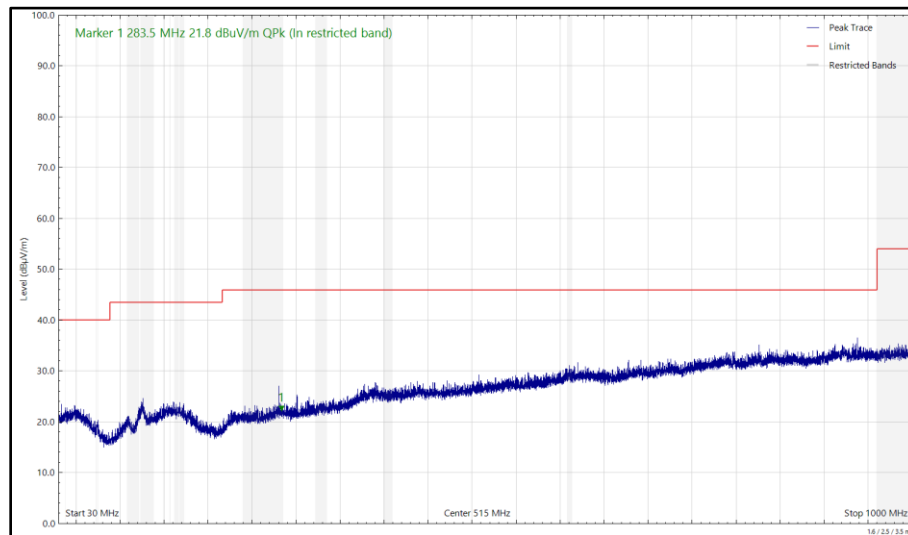


Figure 102 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

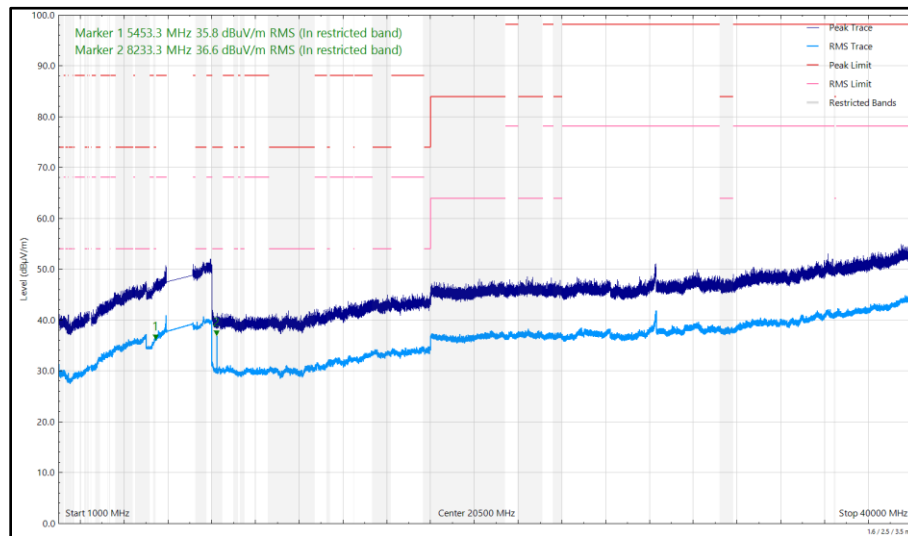


Figure 103 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

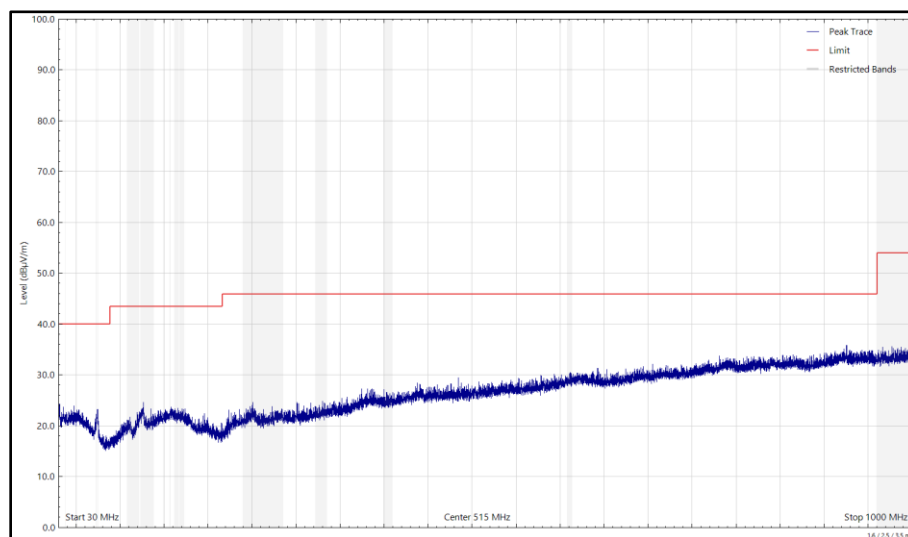


Figure 104 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

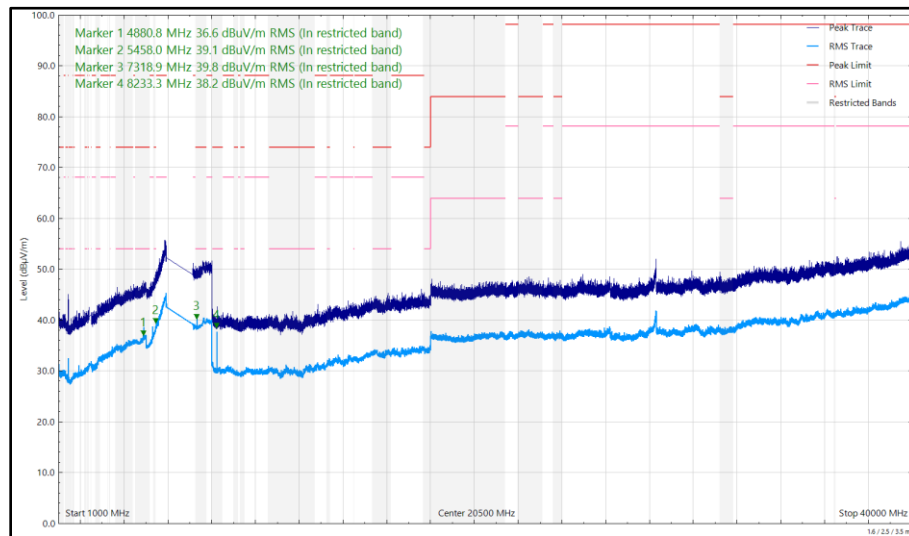


Figure 105 - 6175 MHz (CH45), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1206.170	32.44	54.00	-21.56	RMS	101	158	Vertical
1440.160	35.50	54.00	-18.50	RMS	266	244	Vertical
2389.822	36.51	54.00	-17.49	RMS	344	294	Vertical
2483.748	37.75	54.00	-16.25	RMS	338	279	Vertical
5445.010	40.06	54.00	-13.94	RMS	249	323	Horizontal
7254.418	42.55	54.00	-11.45	RMS	58	255	Vertical
7266.201	42.34	54.00	-11.66	RMS	76	391	Horizontal

Table 36 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

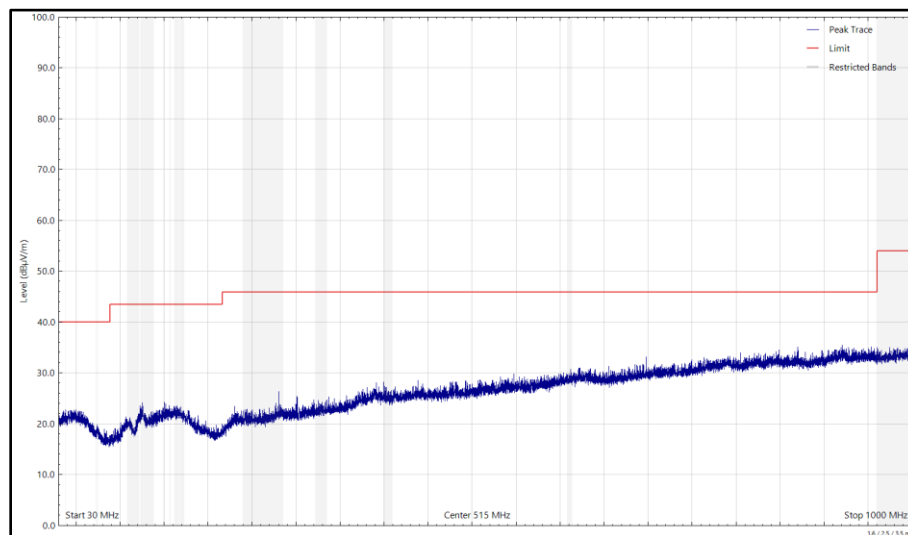


Figure 106 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

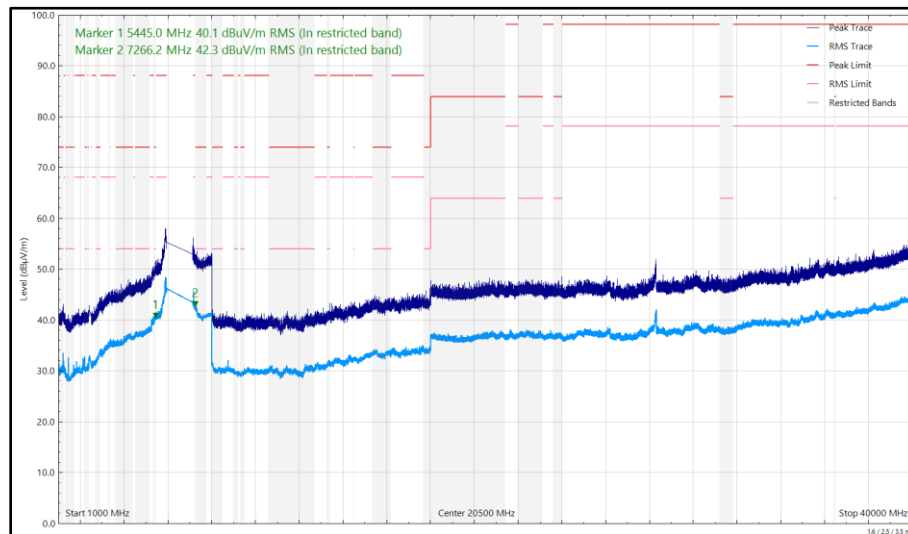


Figure 107 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Horizontal

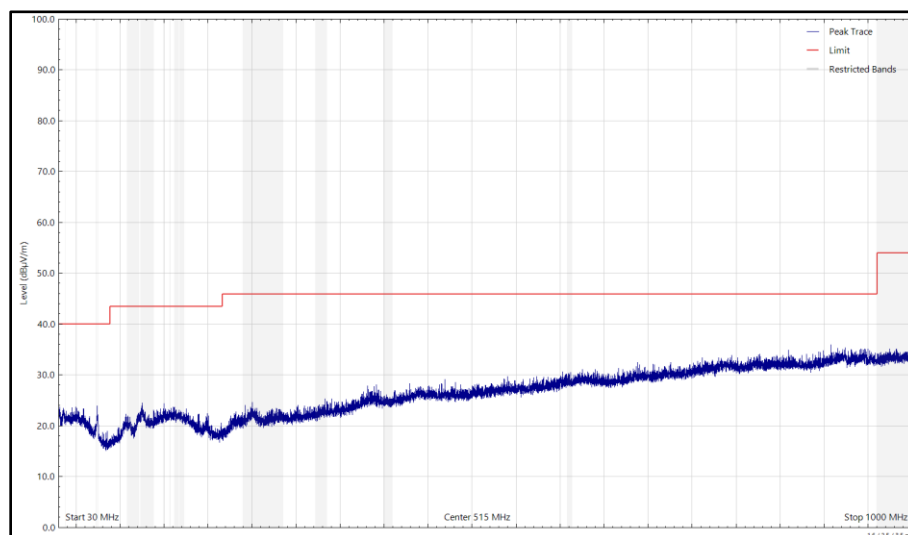


Figure 108 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 30 MHz to 1 GHz, Vertical (Peak)

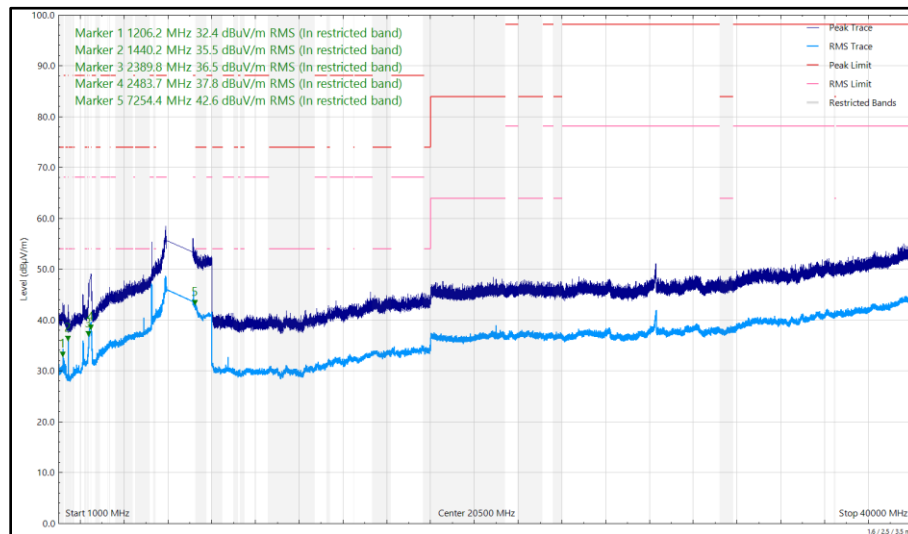


Figure 109 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core0, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4361.904	34.55	54.00	-19.45	RMS	301	104	Horizontal
5056.118	35.98	54.00	-18.02	RMS	140	396	Vertical
5092.507	35.81	54.00	-18.19	RMS	359	227	Horizontal
5420.898	37.30	54.00	-16.70	RMS	247	149	Horizontal
5456.563	38.07	54.00	-15.93	RMS	360	240	Vertical
7318.630	42.30	54.00	-11.70	RMS	55	241	Vertical
7318.706	41.27	54.00	-12.73	RMS	78	358	Horizontal

Table 37 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

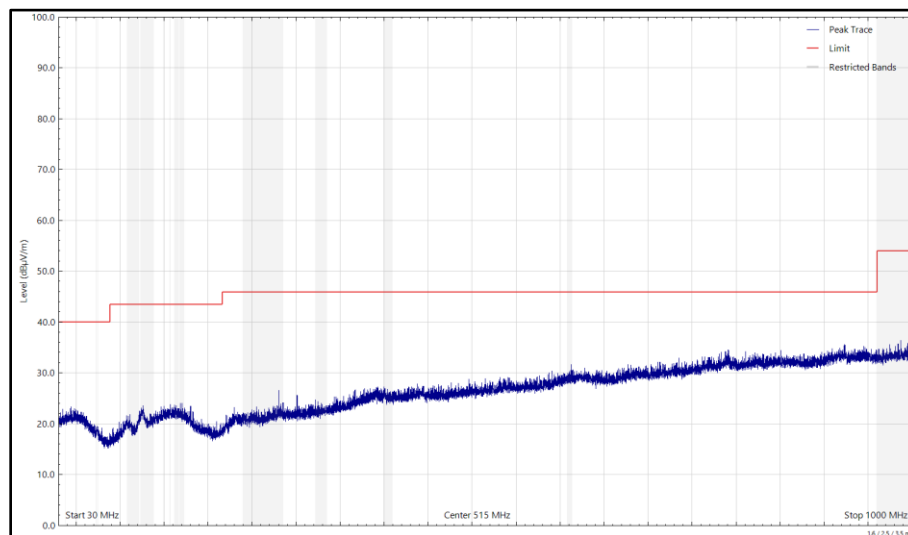


Figure 110 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Horizontal (Peak)

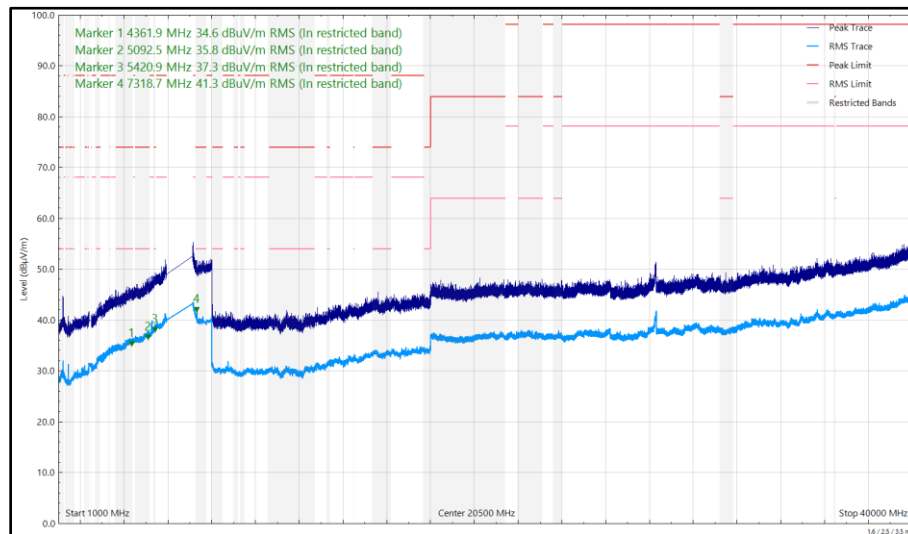


Figure 111 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Horizontal

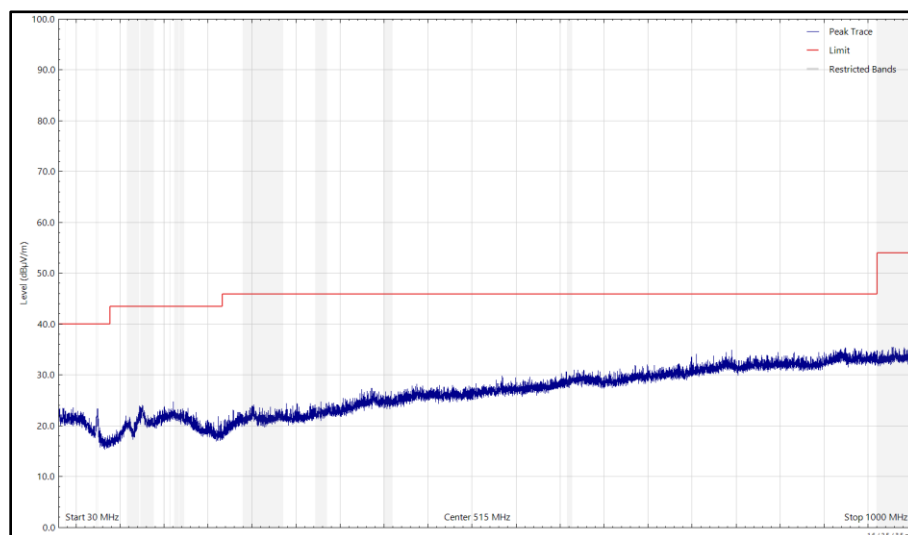


Figure 112 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 30 MHz to 1 GHz, Vertical (Peak)

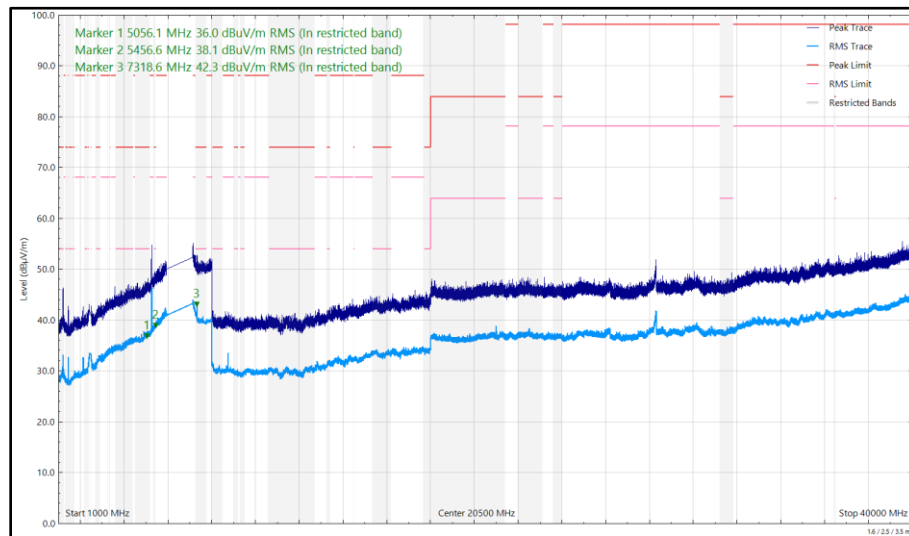


Figure 113 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core1, ePA, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4879.193	37.10	54.00	-16.90	RMS	36	217	Vertical
5459.890	38.61	54.00	-15.39	RMS	299	100	Vertical
5459.932	38.56	54.00	-15.44	RMS	7	100	Horizontal
7258.095	40.37	54.00	-13.63	RMS	76	379	Horizontal
7321.118	41.62	54.00	-12.38	RMS	58	275	Vertical

Table 38 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 40 GHz

No other emissions found within 10 dB of the limit.

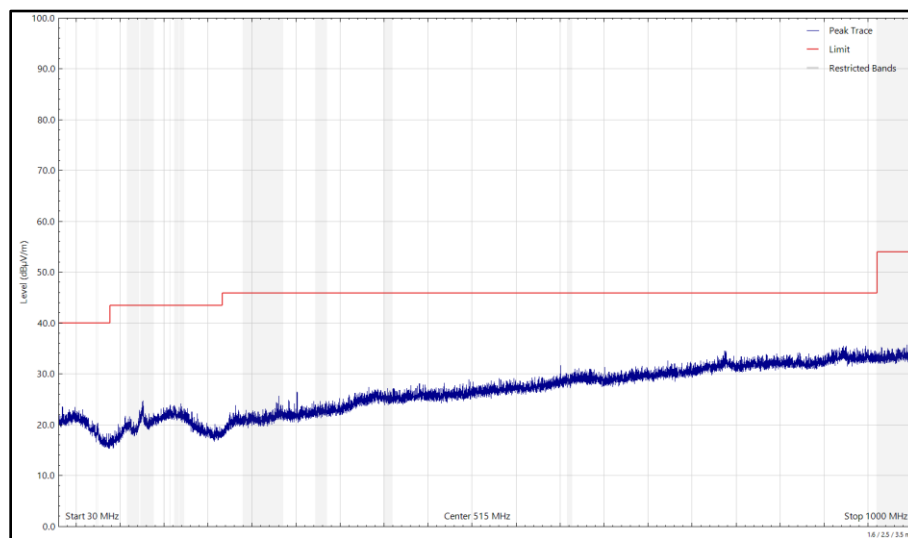


Figure 114 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Horizontal (Peak)

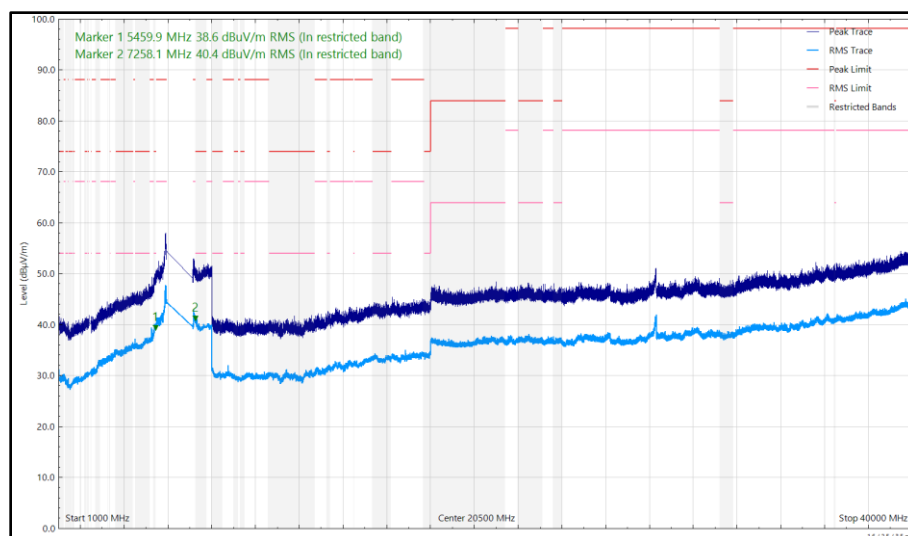


Figure 115 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Horizontal

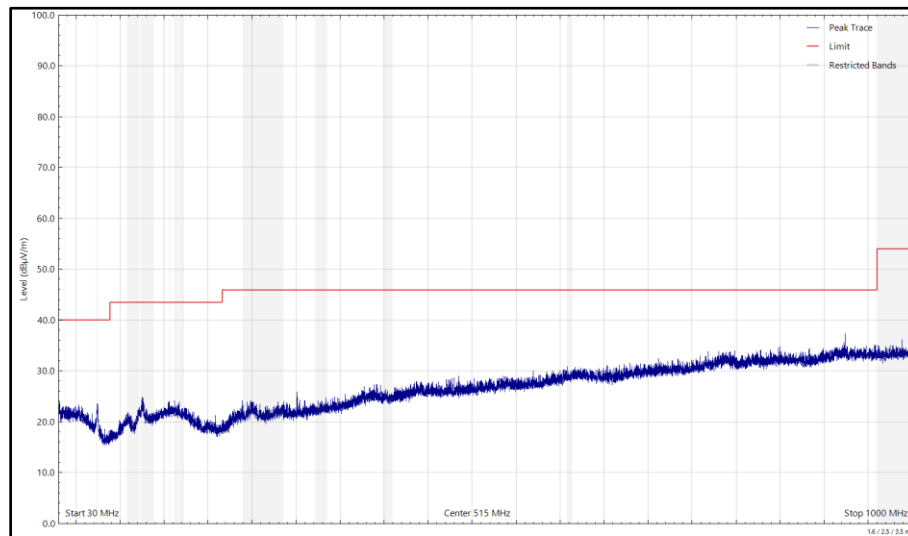


Figure 116 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 30 MHz to 1 GHz, Vertical (Peak)

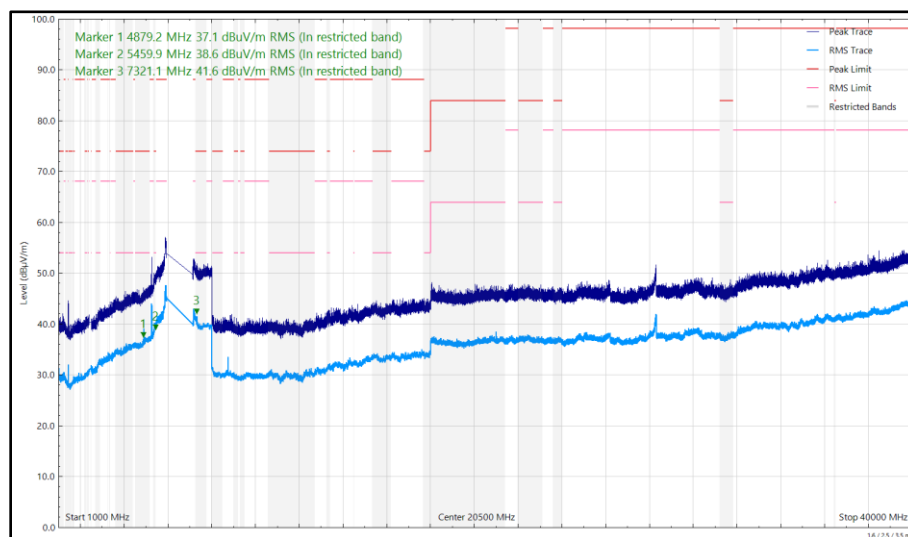


Figure 117 - 6995 MHz (CH209), HE20, SU, CDD, Core 0 + Core 1 and 2440 MHz (CH18), Core 2, iPA, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15

The least stringent limit from the applicable rule parts was used to determine compliance for Radiated Emissions testing of multiple transmission sources.

The least stringent applicable limit was:

Clause	Limit
Part 15 247 (d)	-20 dBc
Part 15.407 (b)	Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.
Part 15.209	Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz)

Table 39



2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14, RF Chamber 15 and RF Chamber 17.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Cable (18 GHz)	Rosenberger	LU7-071-1000	5102	12	21-Nov-2024
Emissions Software	TUV SUD	EmX V3.4.2	5125	-	Software
Test Receiver	Rohde & Schwarz	ESW44	5914	12	24-May-2025
Cable (K Type 2m)	Junkosha	MWX241-0200KMSKMS/B	5935	12	10-Jun-2025
Cable (K Type 2m)	Junkosha	MWX241-0200KMSKMS/B	5937	12	10-Jun-2025
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5939	12	05-May-2025
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	12	05-May-2025
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5943	24	24-May-2026
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5944	24	24-May-2026
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	26-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5959	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	TU
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	28-Apr-2025
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5964	-	TU
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5966	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5967	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5968	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5997	12	13-Sep-2025
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6006	12	20-May-2025
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	20-May-2025
Cable (N to N 1m)	Junkosha	MWX221-01000AMSAMS/B	6009	12	20-May-2025
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6017	12	12-Sep-2025
Cable (N to N 3m)	Junkosha	MWX221-03000NMSNMS/A	6025	12	20-May-2025



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6140	12	05-May-2025
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	05-May-2025
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	11-Dec-2024
Digital Multimeter	Fluke	115	6146	12	06-Jun-2025
Digital Multimeter	Fluke	115	6147	12	06-Jun-2025
Humidity & Temperature meter	R.S Components	1364	6148	12	29-Jul-2025
Humidity & Temperature meter	R.S Components	1364	6149	12	12-Aug-2025
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6189	24	31-Aug-2024*
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	22-Dec-2024
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2024
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6194	12	23-Apr-2025
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	23-Apr-2025
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	03-Jun-2025
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6200	12	03-Jun-2025
Attenuator 4dB	Pasternack	PE7074-4	6201	24	24-May-2026
Attenuator 4dB	Pasternack	PE7074-4	6203	24	24-May-2026
Attenuator 4dB	Pasternack	PE7074-4	6204	24	20-Jun-2026
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	23-Apr-2025
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6215	12	23-Apr-2025
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	6296	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6297	-	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	6323	12	04-Feb-2025
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	6324	12	04-Feb-2025
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	16-Feb-2025
Digital Multimeter	Fluke	115	6345	12	24-Jul-2025
Humidity and Temperature Meter	R.S Components	1364	6346	12	06-Mar-2025
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6349	12	07-May-2025
8 GHz High Pass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6427	12	23-Apr-2025



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	10-Feb-2025
Horn Antenna (1–8 GHz)	Schwarzbeck	BBHA 9120 B	6457	12	05-May-2025
DRG Horn Antenna (8-18 GHz)	Schwarzbeck	HWRD750	6458	12	05-May-2025
Coax cable sma to sma with N-Type adapter	TUV SUD	N/A	6637	12	23-Apr-2025
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
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	01-Feb-2025
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	01-Feb-2025
6.5m Cable	Junkosha	MWX221-06500AMSAMS/B	6744	12	01-Feb-2025
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
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	29-May-2025
AC Programmable Power Supply	iTech	IT7324	6812	-	O/P Mon
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	18-Jul-2025
1M SMA Cable	Junkosha	MWX221-01000AMSAMS/B	6832	12	14-Aug-2025
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6834	12	14-Aug-2025

Table 40

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

*NOTE: Only used within calibration period.



3 Measurement Uncertainty

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

Test Name	Measurement Uncertainty
Radiated Spurious Emissions (Simultaneous Transmission)	30 MHz to 1 GHz: ± 5.2 dB 1 GHz to 40 GHz: ± 6.3 dB

Table 41

Measurement Uncertainty Decision Rule – Accuracy Method

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115:2021, Clause 4.4.3 (Procedure 2). The measurement results are directly compared with the test limit to determine conformance with the requirements of the standard.

Risk: The uncertainty of measurement about the measured result is negligible with regard to the final pass/fail decision. The measurement result can be directly compared with the test limit to determine conformance with the requirement (compare IEC Guide 115). The level of risk to falsely accept and falsely reject items is further described in ILAC-G8.