

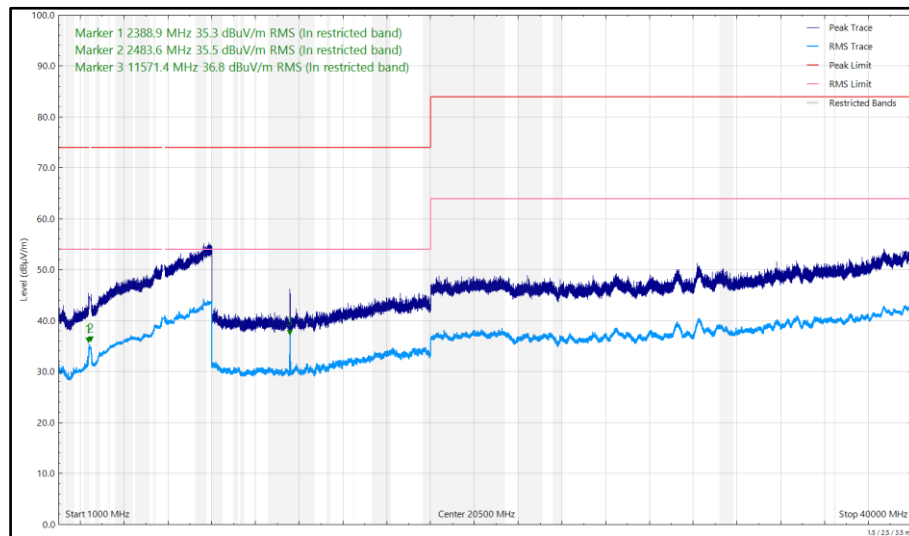


Figure 55 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5785 MHz (CH157), HT20, Core 0, 1 GHz to 40 GHz, Horizontal

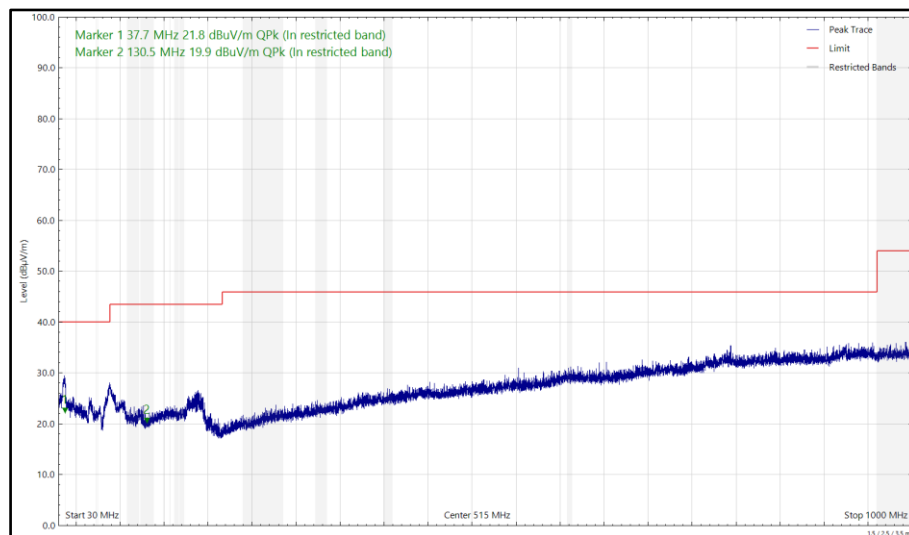


Figure 56 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5785 MHz (CH157), HT20, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

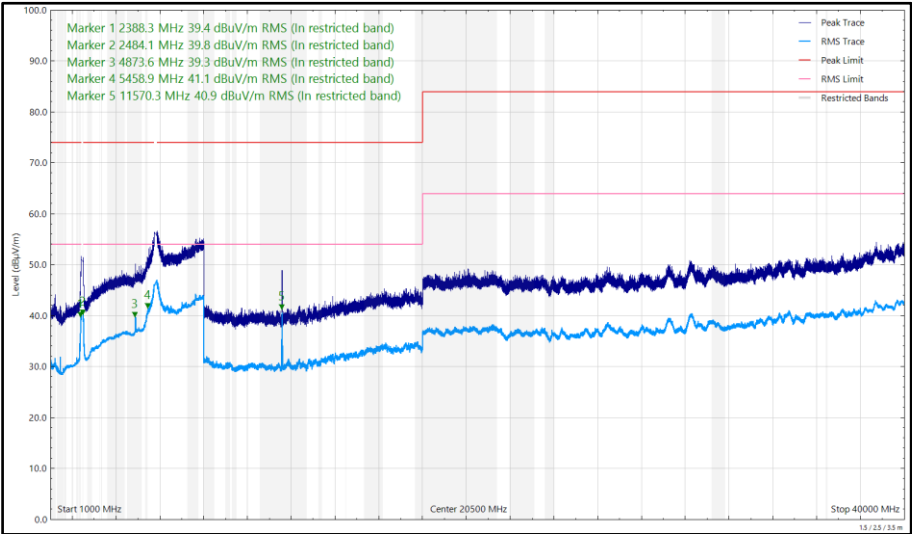


Figure 57 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5785 MHz (CH157), HT20, Core 0, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15 and ISSED RSS-247 and ISSED RSS-GEN

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) / RSS-247 Clause 6.6	-20 dBc / -30 dBc
Part 15.407 (b) / RSS-247 Clause 6.2, 7.3.1.3, 7.3.2.3, 7.3.3.3, 7.3.4.4	-27 dBm/MHz peak e.i.r.p
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBµV/m at 3m, Average 54 dBµV/m at 3m (Restricted bands > 1 GHz)

Table 23

6GHz WLAN and 2.4GHz WLAN

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.764	22.40	40.00	-17.60	Q-Peak	51	121	Vertical
38.229	20.47	40.00	-19.53	Q-Peak	88	253	Horizontal
74.465	18.28	40.00	-21.72	Q-Peak	354	294	Vertical
169.656	21.82	43.50	-21.68	Q-Peak	212	378	Vertical
2385.733	35.04	54.00	-18.96	RMS	314	393	Horizontal
2389.716	39.74	54.00	-14.26	RMS	330	397	Vertical
2483.720	34.65	54.00	-19.35	RMS	312	373	Horizontal
2484.726	40.25	54.00	-13.75	RMS	356	249	Vertical
4873.917	37.82	54.00	-16.18	RMS	357	297	Vertical
5454.830	36.90	54.00	-17.10	RMS	315	316	Vertical
5457.817	36.88	54.00	-17.12	RMS	233	327	Horizontal
12350.853	40.67	54.00	-13.33	RMS	81	399	Horizontal
12350.902	41.00	54.00	-13.00	RMS	346	243	Vertical

Table 24 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6175 MHz (CH45), HE20, SU, Core 0, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

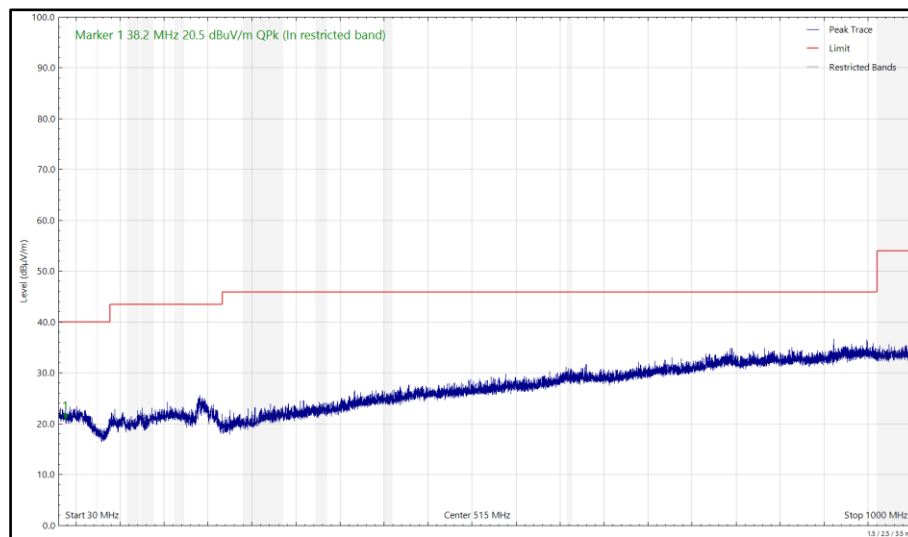


Figure 58 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6175 MHz (CH45), HE20, SU, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

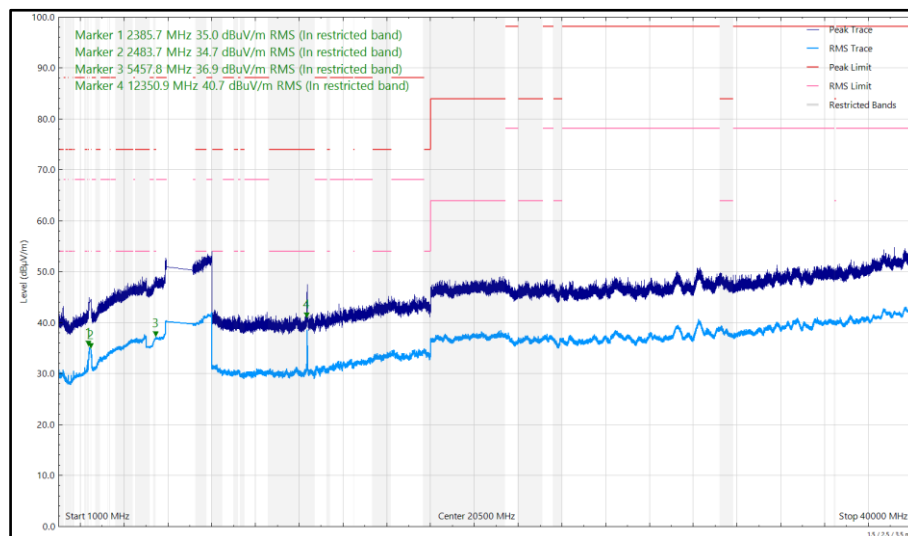


Figure 59 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6175 MHz (CH45), HE20, SU, Core 0, 1 GHz to 40 GHz, Horizontal

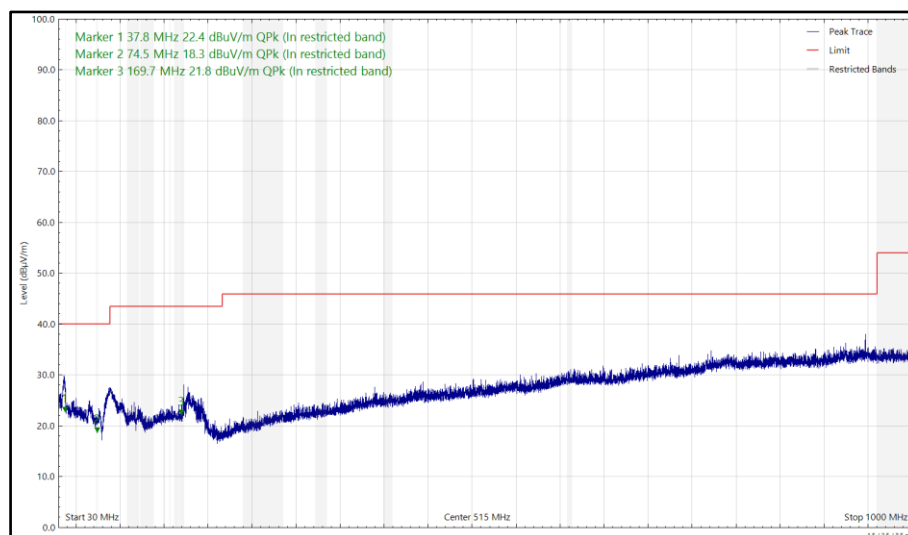


Figure 60 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6175 MHz (CH45), HE20, SU, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

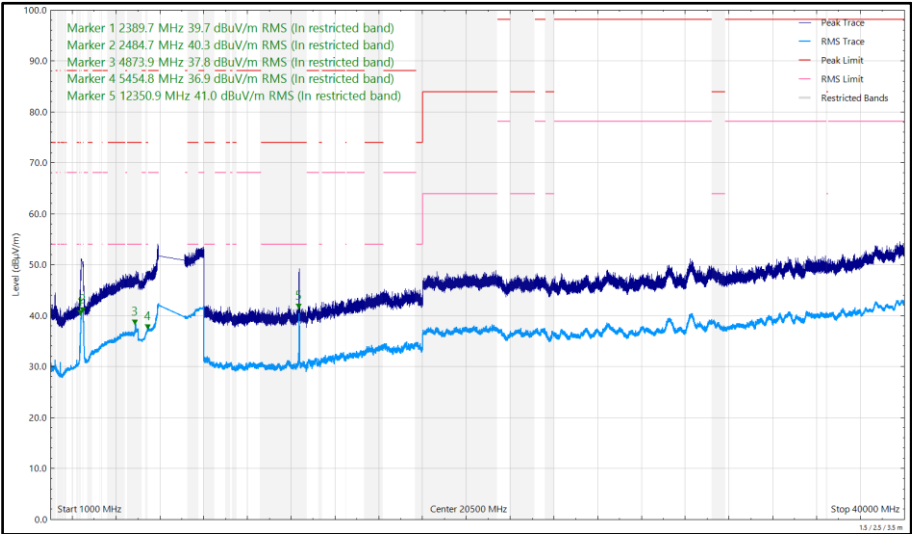


Figure 61 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6175 MHz (CH45), HE20, SU, Core 0, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.635	20.56	40.00	-19.44	Q-Peak	196	400	Horizontal
37.696	22.70	40.00	-17.30	Q-Peak	95	114	Vertical
125.156	19.13	43.50	-24.37	Q-Peak	72	266	Vertical
163.476	22.07	43.50	-21.43	Q-Peak	28	341	Horizontal
168.745	21.98	43.50	-21.52	Q-Peak	134	303	Vertical
2388.161	33.55	54.00	-20.45	RMS	306	357	Horizontal
2389.674	38.44	54.00	-15.56	RMS	355	241	Vertical
2483.607	40.65	54.00	-13.35	RMS	10	252	Vertical
2484.199	35.07	54.00	-18.93	RMS	304	400	Horizontal
4557.769	38.35	54.00	-15.65	RMS	19	275	Vertical
5445.617	36.89	54.00	-17.11	RMS	132	244	Horizontal
5455.822	36.89	54.00	-17.11	RMS	126	378	Vertical
7252.047	55.31	74.00	-18.69	Peak	46	256	Vertical
7260.983	43.92	54.00	-10.08	RMS	48	264	Vertical
7262.625	39.76	54.00	-14.24	RMS	184	112	Horizontal

Table 25 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0, 30 MHz to 40 GHz

No other emissions found within 6 dB of the limit.

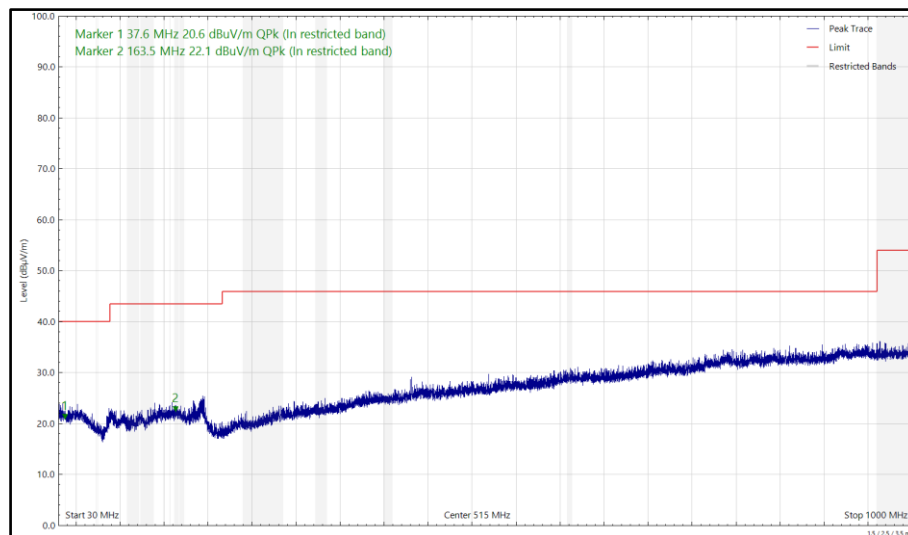


Figure 62 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

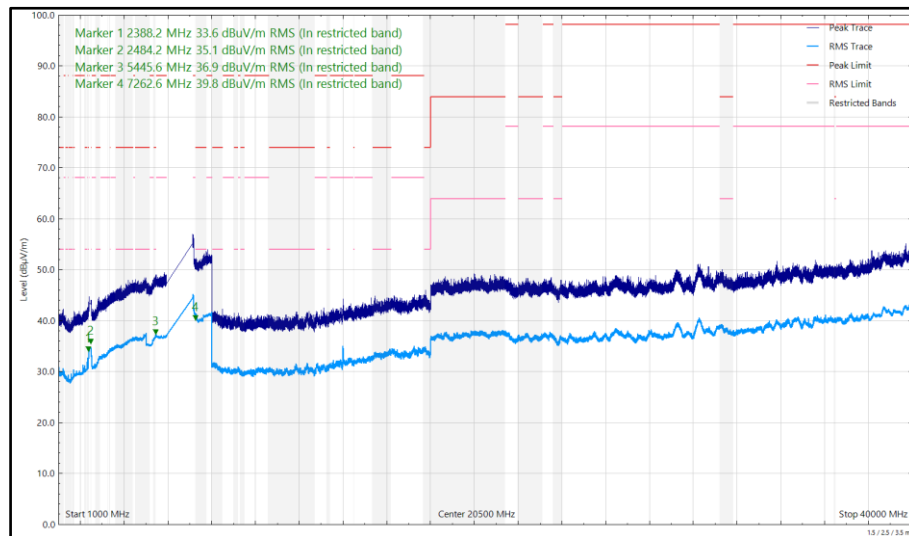


Figure 63 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0, 1 GHz to 40 GHz, Horizontal

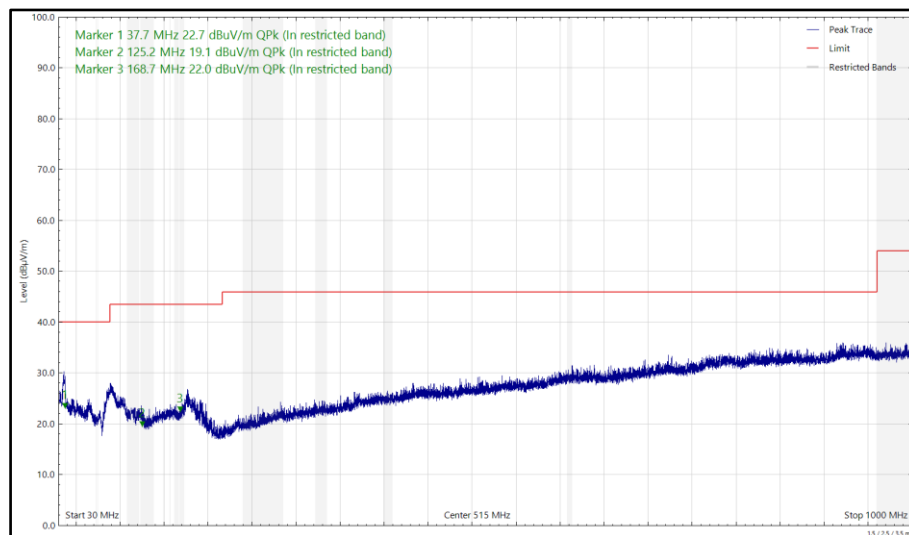


Figure 64 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

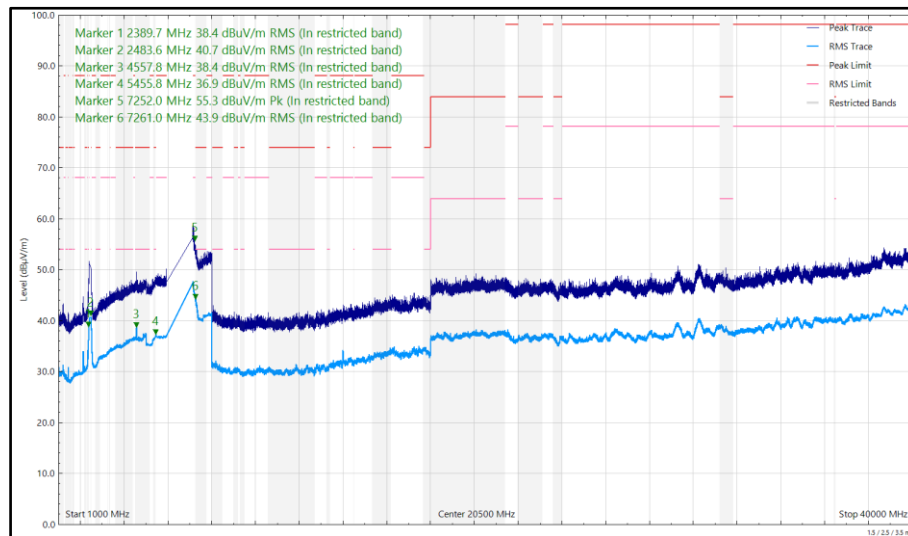


Figure 65 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0, 1 GHz to 40 GHz, Vertical

2.4 GHz WLAN, 5 GHz WLAN and 2.4 GHz Bluetooth

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.786	23.53	40.00	-16.47	Q-Peak	313	160	Vertical
74.969	18.33	40.00	-21.67	Q-Peak	236	230	Vertical
75.034	18.50	40.00	-21.50	Q-Peak	309	106	Horizontal
108.580	24.46	43.50	-19.04	Q-Peak	353	285	Horizontal
113.565	26.22	43.50	-17.28	Q-Peak	69	107	Vertical
168.555	22.64	43.50	-20.86	Q-Peak	188	311	Horizontal
171.357	23.12	43.50	-20.38	Q-Peak	337	113	Vertical
240.974	22.13	46.00	-23.87	Q-Peak	183	158	Horizontal
2312.542	30.65	54.00	-23.35	CISPR Avg	233	124	Vertical
2312.572	32.42	54.00	-21.58	CISPR Avg	2	386	Horizontal
4874.000	39.71	54.00	-14.29	RMS	354	260	Vertical
4900.209	38.48	54.00	-15.52	CISPR Avg	28	258	Vertical
11278.500	39.93	54.00	-14.07	RMS	334	225	Vertical
11279.700	37.67	54.00	-16.33	RMS	81	346	Horizontal

Table 26 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

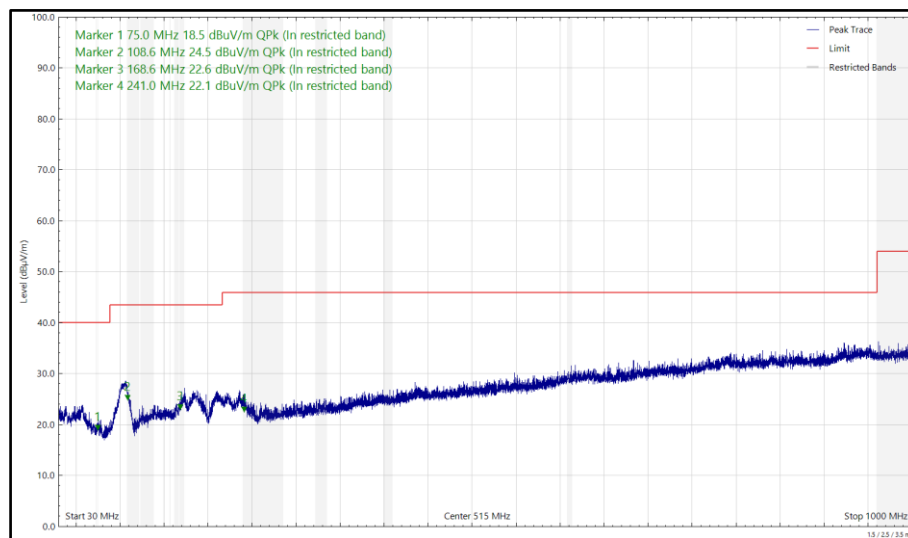


Figure 66 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

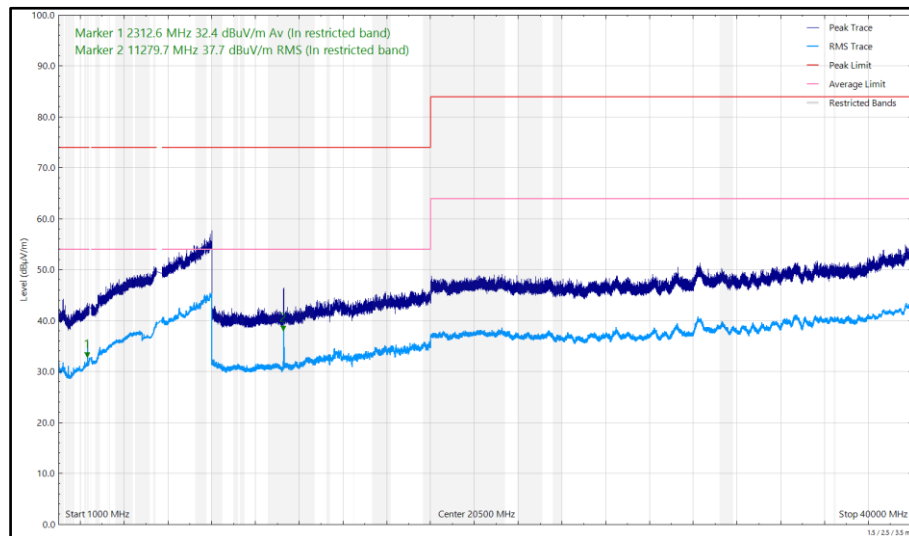


Figure 67 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

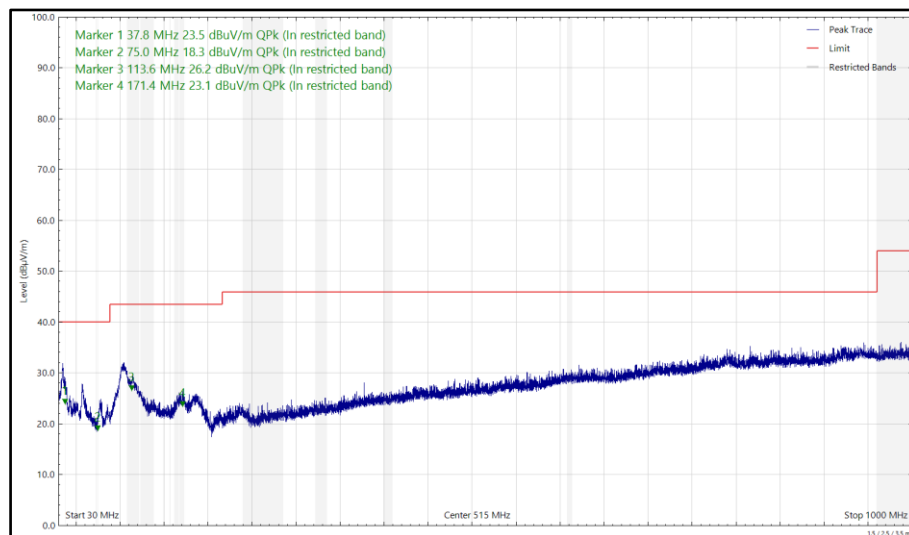


Figure 68 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

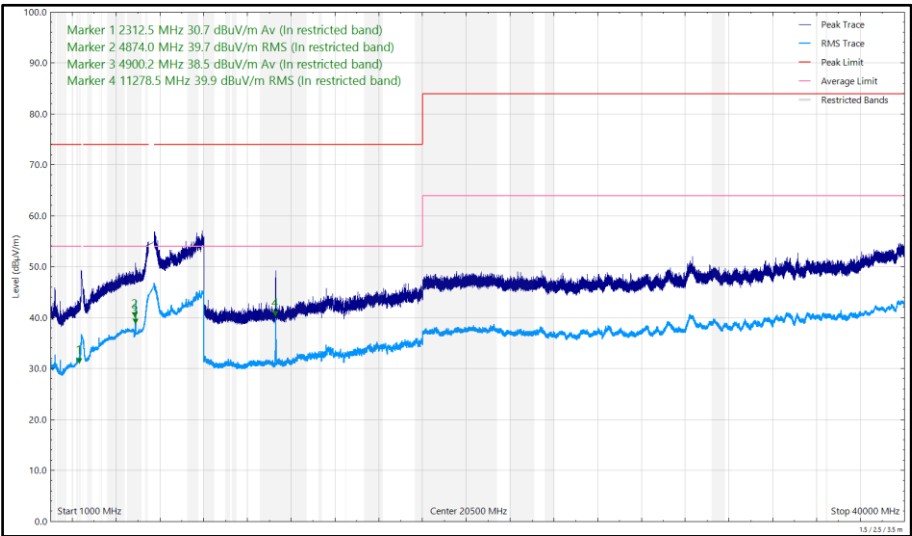


Figure 69 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 5640 MHz (CH128), HT20, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15 and ISSED RSS-247 and ISSED RSS-GEN

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) / RSS-247 Clause 6.6	-20 dBc / -30 dBc
Part 15.407 (b) / RSS-247 Clause 6.6, 7.3.1.3, 7.3.2.3, 7.3.3.3, 7.3.4.4	-27 dBm e.i.r.p
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBuV/m at 3m, Average 54 dBuV/m at 3m (Restricted bands > 1 GHz)
Part 15.407 (b) / RSS-247 Clause 7.3.2.3	-27 dBm e.i.r.p
Part 15.407 (b) / RSS-247 Clause 7.3.3.3	-27 dBm e.i.r.p
Part 15.407 (b) / RSS-247 Clause 7.3.4.4	-27 dBm e.i.r.p

Table 27

2.4 GHz WLAN, 6 GHz WLAN and 2.4 GHz Bluetooth

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.608	22.66	40.00	-17.34	Q-Peak	134	113	Vertical
38.190	20.59	40.00	-19.41	Q-Peak	226	390	Horizontal
73.904	18.07	40.00	-21.93	Q-Peak	318	400	Horizontal
74.457	18.25	40.00	-21.75	Q-Peak	162	226	Vertical
108.092	22.85	43.50	-20.65	Q-Peak	331	258	Horizontal
109.057	24.29	43.50	-19.21	Q-Peak	78	103	Vertical
164.760	22.01	43.50	-21.49	Q-Peak	270	381	Vertical
170.846	22.75	43.50	-20.75	Q-Peak	350	274	Horizontal
2312.180	30.25	54.00	-23.75	CISPR Avg	66	100	Vertical
2318.963	26.32	54.00	-27.68	CISPR Avg	233	109	Horizontal
4555.349	34.14	54.00	-19.86	CISPR Avg	343	378	Vertical
4899.580	39.66	54.00	-14.34	CISPR Avg	4	333	Vertical

Table 28 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 30 MHz to 40 GHz

No other emissions found within 20 dB of the limit.

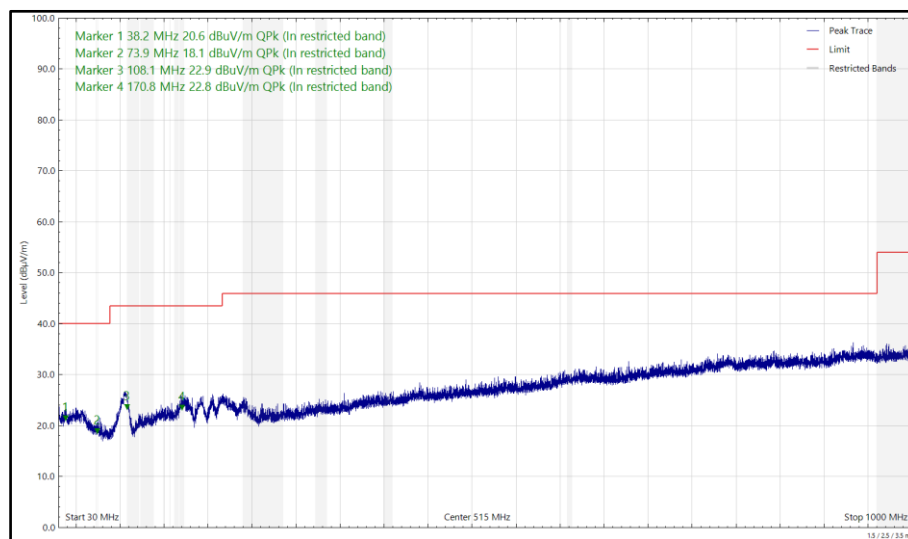


Figure 70 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Horizontal (Peak)

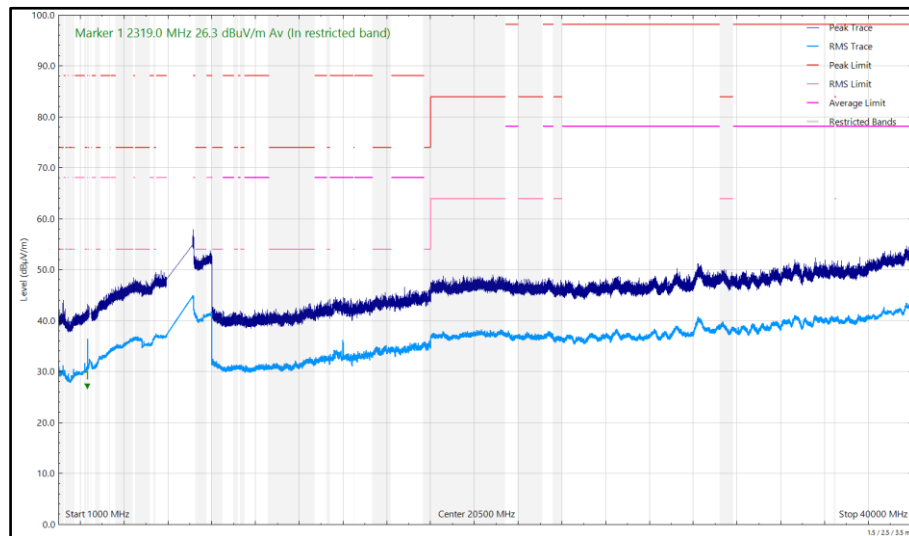


Figure 71 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Horizontal

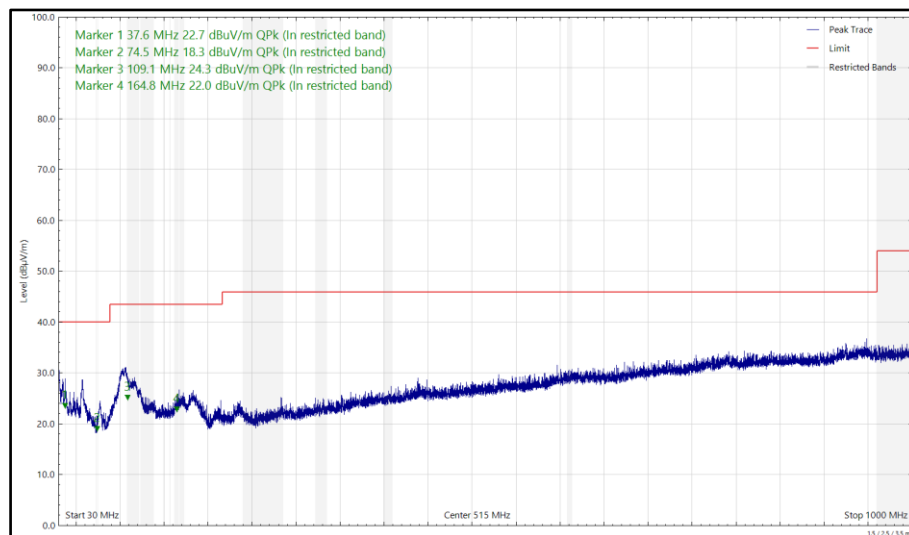


Figure 72 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 30 MHz to 1 GHz, Vertical (Peak)

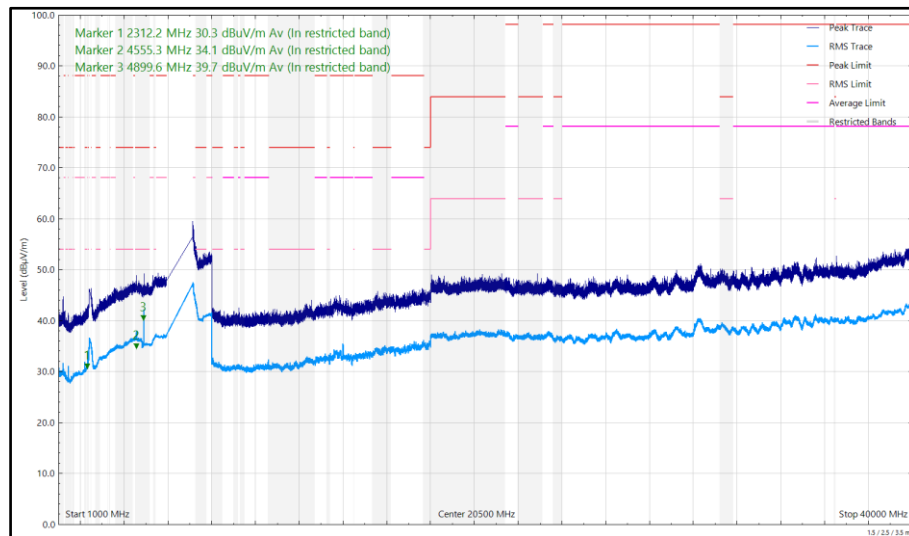


Figure 73 - 2437 MHz (CH6), HT20, Core 1 (Dedicated) and 6995 MHz (CH209), HE20, SU, Core 0 and 2450 MHz (CH48), DH5, iPA, Core 0 (Common), 1 GHz to 40 GHz, Vertical



FCC 47 CFR Part 15 and ISED RSS-247 and ISED RSS-248 and ISED RSS-GEN

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) / RSS-247 Clause 6.6	-20 dBc / -30 dBc
Part 15.407 (b) / RSS-248 Clause 4.6.2	Peak: -7 dBm/MHz e.i.r.p, Average: -27 dBm/MHz e.i.r.p.
Part 15.209 / RSS-GEN Clause 8.9	Peak: 74 dBμV/m at 3m, Average 54 dBμV/m at 3m (Restricted bands > 1 GHz)

Table 29



2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 14, Chamber 16 and RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.1	5125	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	04-Sep-2026
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5937	12	12-Jun-2026
1500W (300V 12A) AC Power Supply	iTech	IT7324	5955	-	TU
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	TU
5m Semi-Anechoic Chamber (Dual-Axis)	Albatross Projects	RF Chamber 14	5958	36	23-Apr-2028
Compact Antenna Mast	Maturo Gmbh	CAM4.0-P	5959	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5962	-	TU
3m Semi-Anechoic Chamber, Chamber16	Albatross Projects	RF Chamber 16	5972	36	07-May-2028
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5973	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5974	-	TU
Turntable	Maturo Gmbh	TT1.5SI	5975	-	TU
Cable (N to N 8m)	Junkosha	MWX221-08000NMSNMS/A	6006	12	29-May-2026
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6008	12	23-May-2026
Horn Antenna (1-10.5 GHz)	Schwarzbeck	BBHA9120B	6140	12	14-Sep-2026
Digital Multimeter	Fluke	115	6147	12	05-Jun-2026
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6189	24	26-Sep-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6190	12	11-Dec-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6191	12	18-Dec-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6194	12	23-Apr-2026
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6200	12	24-Apr-2026
Attenuator 4dB	Pasternack	PE7074-4	6204	24	13-Mar-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6215	12	23-Apr-2026
USB Spectrum Analyser	Signal Hound	SA124B	6296	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	23-May-2026
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6315	12	27-Apr-2026
Humidity and Temperature Meter	R.S Components	1364	6346	12	13-Mar-2026
USB Spectrum Analyser	Signal Hound	SA124B	6383	-	TU
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9168	6456	24	13-Mar-2027



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
DRG Horn Antenna (8-18 GHz)	Schwarzbeck	HWRD750	6458	12	18-May-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	27-Apr-2026
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	6795	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	6796	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	6805	12	24-Jul-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6847	12	06-Nov-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6848	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6849	12	06-Nov-2026
Cable Assembly	SpecTech	PE300-60	6857	-	TU
Cable Assembly	Pasternack	PE300-60	6858	-	TU
Cable Assembly	Pasternack	PE300-60	6864	-	TU
Cable Assembly	SpecTech	PE300-60	6866	-	TU
Cable Assembly	SpecTech	PE300-60	6867	-	TU
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6977	12	05-Apr-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6978	12	05-Apr-2026

Table 30

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

Table 31

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.