

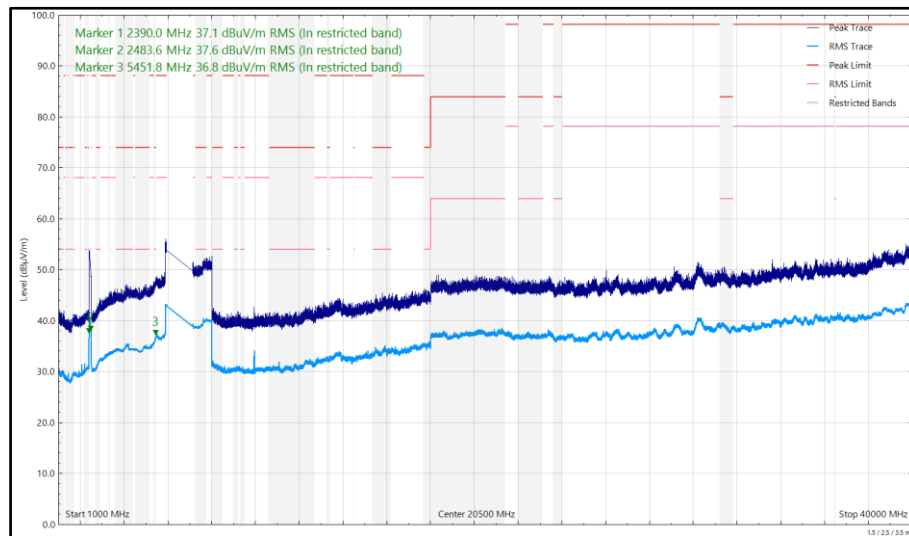


Figure 103 - 2437 MHz (CH6), HT20, Core 0 and 2455 MHz (CH21), Thread, ePA, Core 1 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

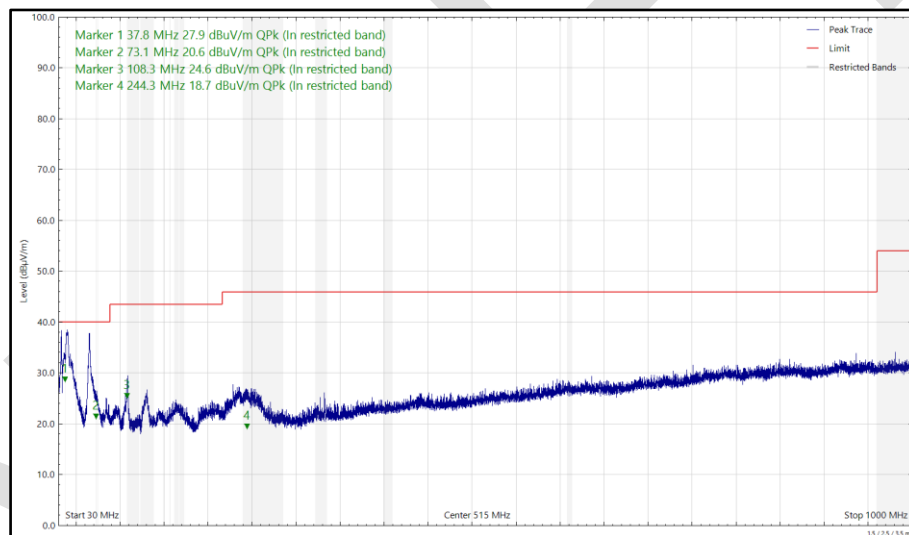


Figure 104 - 2437 MHz (CH6), HT20, Core 0 and 2455 MHz (CH21), Thread, ePA, Core 1 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

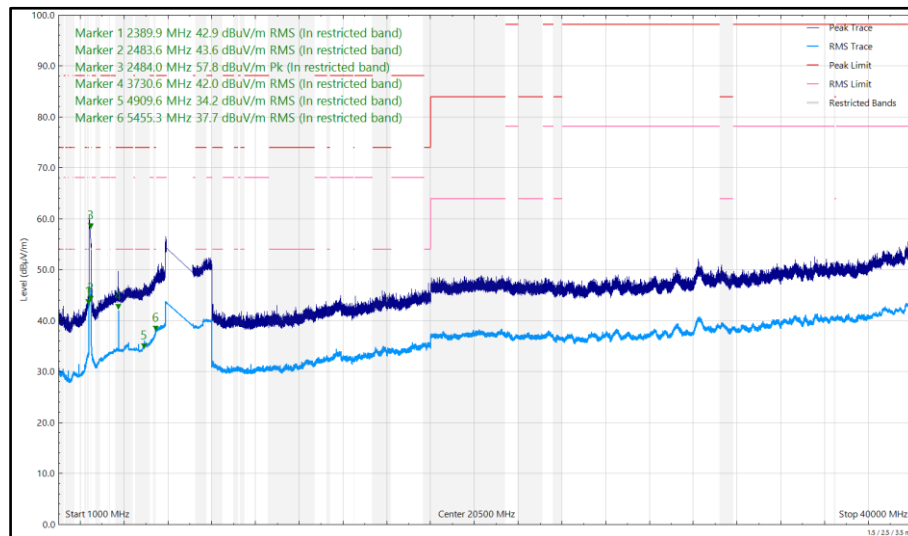


Figure 105 - 2437 MHz (CH6), HT20, Core 0 and 2455 MHz (CH21), Thread, ePA, Core 1 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.903	28.70	40.00	-11.30	Q-Peak	304	100	Vertical
38.207	20.37	40.00	-19.63	Q-Peak	252	110	Horizontal
73.047	20.26	40.00	-19.74	Q-Peak	81	107	Vertical
108.280	24.49	43.50	-19.01	Q-Peak	96	122	Vertical
129.659	20.51	43.50	-22.99	Q-Peak	354	350	Horizontal
165.650	23.06	43.50	-20.44	Q-Peak	346	243	Horizontal
249.458	21.79	46.00	-24.21	Q-Peak	260	100	Vertical
334.437	22.31	46.00	-23.69	Q-Peak	328	303	Horizontal
2388.521	56.01	74.00	-17.99	Peak	354	346	Vertical
2389.864	38.43	54.00	-15.57	RMS	309	371	Horizontal
2389.976	43.77	54.00	-10.23	RMS	360	264	Vertical
2483.514	43.82	54.00	-10.18	RMS	354	367	Vertical
2483.521	38.50	54.00	-15.50	RMS	303	366	Horizontal
2483.582	55.19	74.00	-18.81	Peak	350	266	Vertical
4639.440	35.80	54.00	-18.20	RMS	345	314	Vertical
5455.581	36.75	54.00	-17.25	RMS	49	335	Horizontal
5457.946	37.82	54.00	-16.18	RMS	15	326	Vertical

Table 39 - 2437 MHz (CH6), HT20, Core 1 and 2455 MHz (CH21), Thread, ePA, Core 0 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 1 to 40 GHz

No other emissions found within 12 dB of the limit.

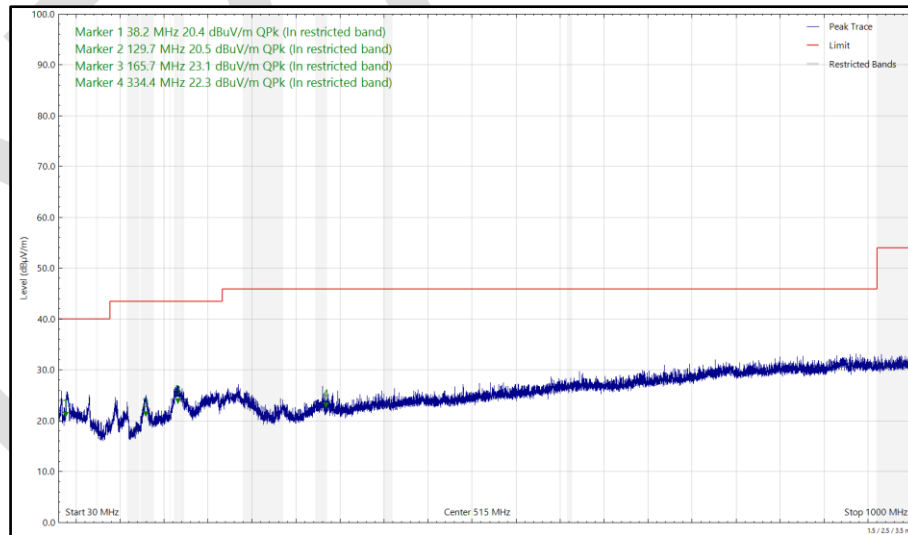


Figure 106 - 2437 MHz (CH6), HT20, Core 1 and 2455 MHz (CH21), Thread, ePA, Core 0 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

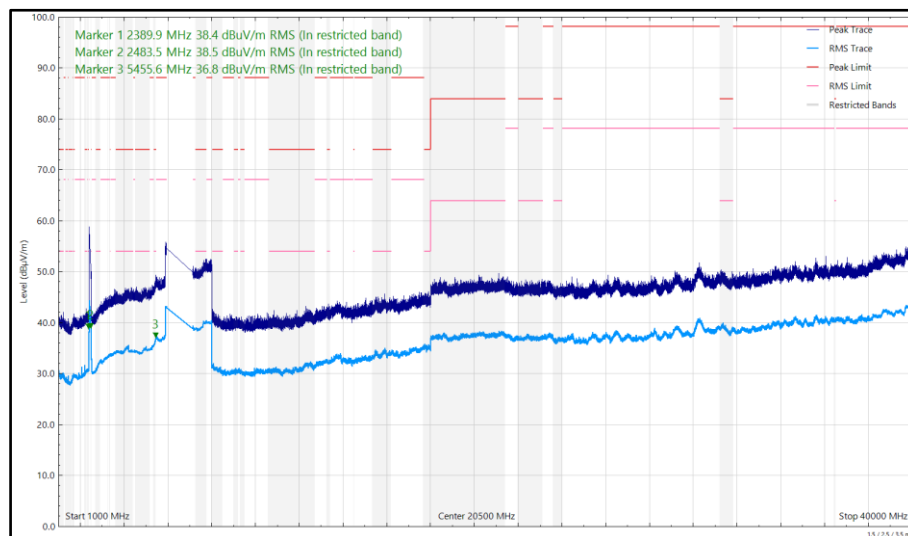


Figure 107 - 2437 MHz (CH6), HT20, Core 1 and 2455 MHz (CH21), Thread, ePA, Core 0 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Horizontal

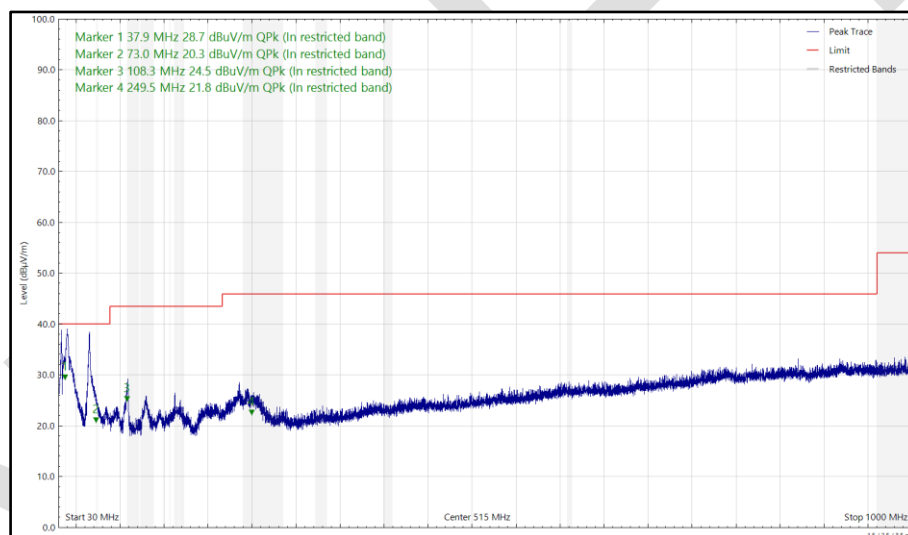


Figure 108 - 2437 MHz (CH6), HT20, Core 1 and 2455 MHz (CH21), Thread, ePA, Core 0 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

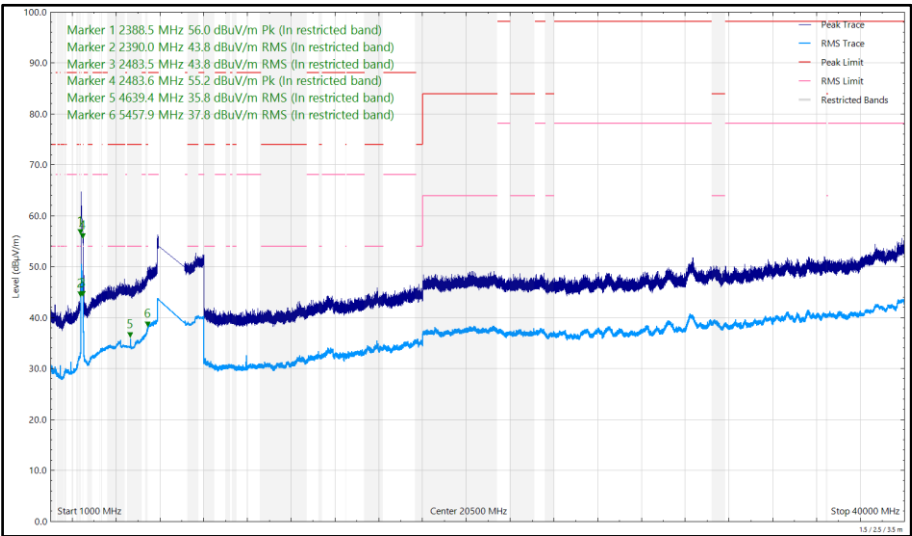


Figure 109 - 2437 MHz (CH6), HT20, Core 1 and 2455 MHz (CH21), Thread, ePA, Core 0 and 6186 MHz (CH6186), DH5, ePA, Core 0 + Core 1, 1 GHz to 40 GHz, Vertical

FCC 47 CFR Part 15, ISED RSS-247, 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 40



2.1.8 Test Location and Test Equipment Used

This test was carried out in RF Chamber 16.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6	5125	-	TU
Cable (K Type 2m)	Junkosha	MWX241-02000KMSKMS/B	5937	12	12-Jun-2026
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5944	24	03-Jan-2027
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	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
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	14-Sep-2026
Digital Multimeter	Fluke	115	6145	12	06-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	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	6203	24	03-Jan-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6215	12	23-Apr-2026
USB Spectrum Analyser	Signal Hound	SA124B	6383	-	TU
DRG Horn Antenna (8-18 GHz)	Schwarzbeck	HWRD750	6458	12	18-May-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	27-Apr-2026
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	12	27-Apr-2026
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	6849	12	06-Nov-2026
Cable Assembly	SpecTech	PE300-60	6858	-	TU
Cable Assembly	SpecTech	PE300-60	6864	-	TU
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6978	12	05-Apr-2026

Table 41

TU - Traceability Unscheduled

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 42

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.