

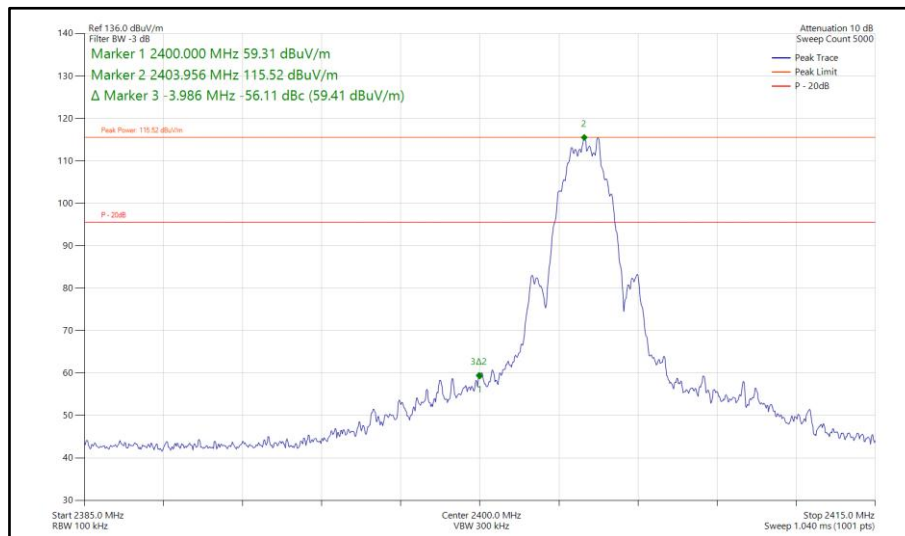


**Figure 588 - Bluetooth LE2M, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2400 MHz**

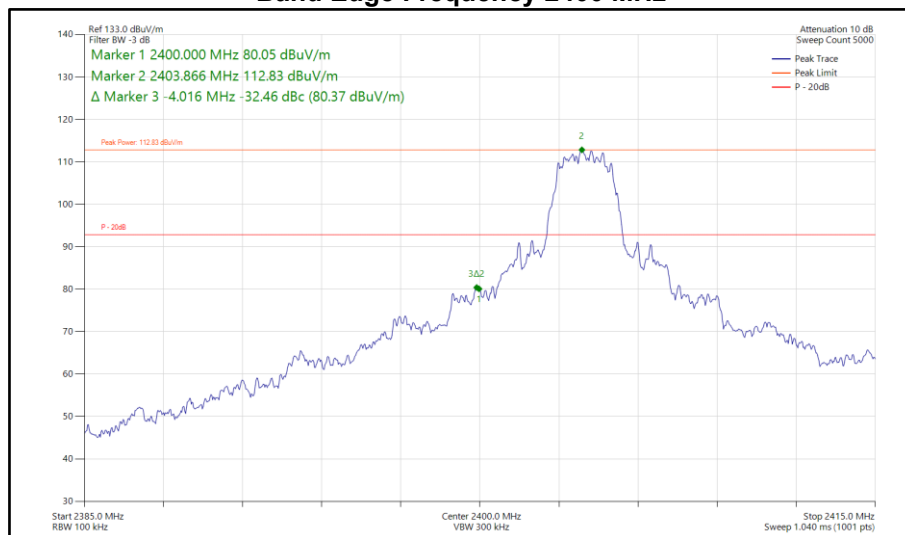
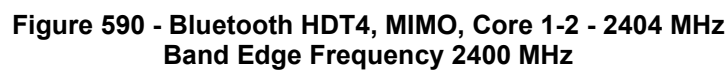


**Figure 589 - Bluetooth HDT3, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2400 MHz**



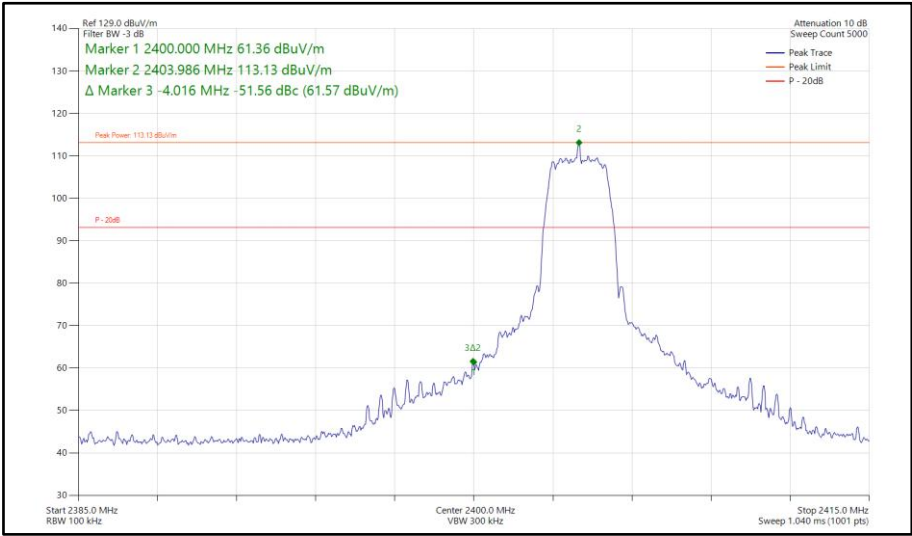


Figure 592 - Bluetooth HDRPS2, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2400 MHz

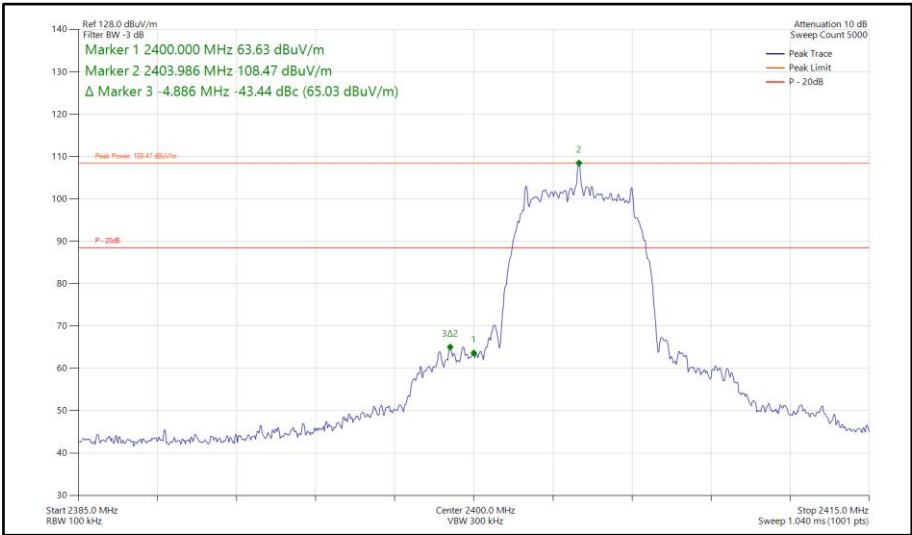


Figure 593 - Bluetooth HDRPM12, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2400 MHz

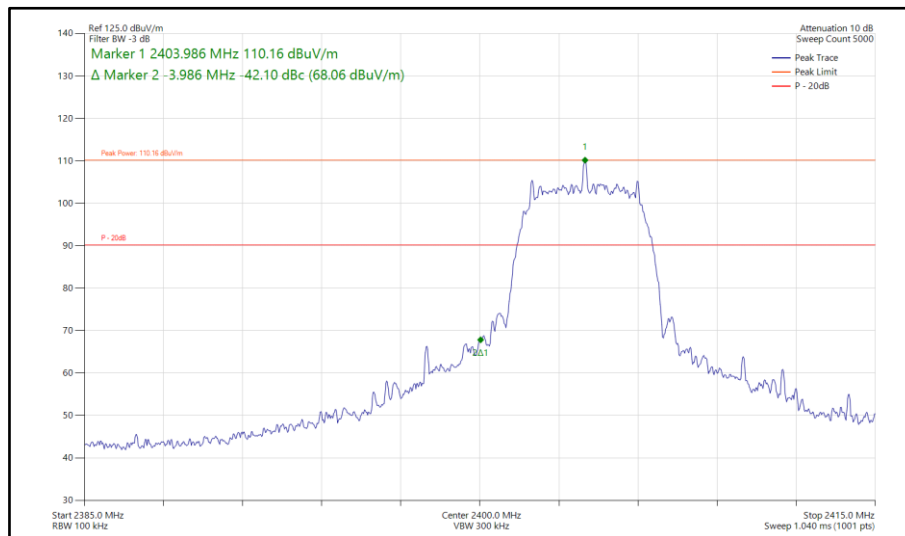


**Figure 594 - Bluetooth XHDRPM8, MIMO, Core 1-2 - 2404 MHz
Band Edge Frequency 2400 MHz**

FCC 47 CFR Part 15, Limit Clause 15.247 (d)

20 dB below the fundamental measured in a 100 kHz bandwidth using a peak detector. If the transmitter complies with the conducted power limits, based on the use of RMS averaging over a time interval, the attenuation required shall be 30 dB below the fundamental instead of 20 dB.

ISED RSS-247, Limit Clause 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 6.5(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.



2.4.7 Test Location and Test Equipment Used

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

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.1 V.	5125	-	O/P Mon
1.0kΩ variable resistive load	Arcol	VRH320 - 1K0	5848	-	TU
3M N Type Cable	Scott Cables	LMR600-NMNM-3.00M	5857	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	5912	12	04-Sep-2026
Test Receiver	Rohde & Schwarz	ESW44	5914	12	17-Jun-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
1500W (300V 12A) AC Power Supply	iTech	IT7324	5957	-	O/P Mon
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
5m Semi-Anechoic Chamber (Dual-Axis), Chamber 15	Albatross Projects	RF Chamber 15	5963	36	23-Apr-2028
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
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 (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	5996	12	23-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
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	14-Sep-2026
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6142	12	14-Sep-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6145	12	06-Jun-2026
Digital Multimeter	Fluke	115	6146	12	05-Jun-2026
Digital Multimeter	Fluke	115	6147	12	05-Jun-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



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
USB Spectrum Analyser	Signal Hound	SA124B	6296	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6297	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221/B	6305	12	23-May-2026
Humidity and Temperature Meter	R.S Components	1364	6346	12	13-Mar-2026
USB Spectrum Analyser	Signal Hound	SA124B	6383	-	TU
Humidity and Temperature Meter	R.S Components	1364	6486	12	01-Jul-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6740	12	27-Apr-2026
1m Cable	Junkosha	MWX241-01000AMSAMS/B	6741	12	27-Apr-2026
8m Cable	Junkosha	MWX221-08000AMSAMS/B	6748	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
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	18-Aug-2026
Handheld Hygrometer	Fluke	971	6837	12	16-Sep-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	Pasternack	PE300-60	6856	-	TU
Cable Assembly	Pasternack	PE300-60	6857	-	TU
Cable Assembly	Pasternack	PE300-60	6858	-	TU
Cable Assembly	Pasternack	PE300-60	6862	-	TU
Cable Assembly	Pasternack	PE300-60	6864	-	TU
Cable Assembly	Pasternack	PE300-60	6866	-	TU
Cable Assembly	Pasternack	PE300-60	6867	-	TU
Cable Assembly	Pasternack	PE300-60	6868	-	TU
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6976	12	05-Apr-2026
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 169

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



2.5 Spurious Radiated Emissions

2.5.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.209 and 15.247 (d)
ISED RSS-247, Clause 2.4 and 6.6
ISED RSS-GEN, Clause 6.13 and 8.9

2.5.2 Equipment Under Test and Modification State

A3428, S/N: FF9MP4FP2G - Modification State 0
A3428, S/N: GJM3XKXYGQ - Modification State 0

2.5.3 Date of Test

16-December-2025 to 20-December-2025

2.5.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 6.3, 6.5 and 6.6.

For frequencies > 1 GHz, plots for average measurements were taken in accordance with ANSI C63.10, clause 11.12.2.5.2.

The EUT was placed on the non-conducting platform in a manner typical of a normal installation.

Ports on the EUT were terminated with loads as described in ANSI C63.4 clause 6.2.4. For EUT's with multiple connectors of the same type, additional interconnecting cables were connected, and pre-scans performed to determine whether the level of the emissions were increased by >2 dB.

In the 30 MHz to 1 GHz range pre-scans were only performed on the mid channel (2440 MHz) only. The tests were conducted in the frequency range and on the channels specified by the customer, ensuring coverage of the worst-case operating modes.

The plots shown are the characterisation of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dB μ V/m) when compared to 20 dBc outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 10 dB of the limits shown on the plots, further investigation was carried out and reported in results tables.

The following conversion can be applied to convert from dB μ V/m to μ V/m:
 $10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$.

Above 18 GHz, the measurement distance was reduced to 1 m. The limit line was increased by $20 \cdot \text{LOG}(3/1) = 9.54$ dB.

Where formal measurements have been necessary, the results have been presented in the emissions table.

2.5.5 Example Test Setup Diagram

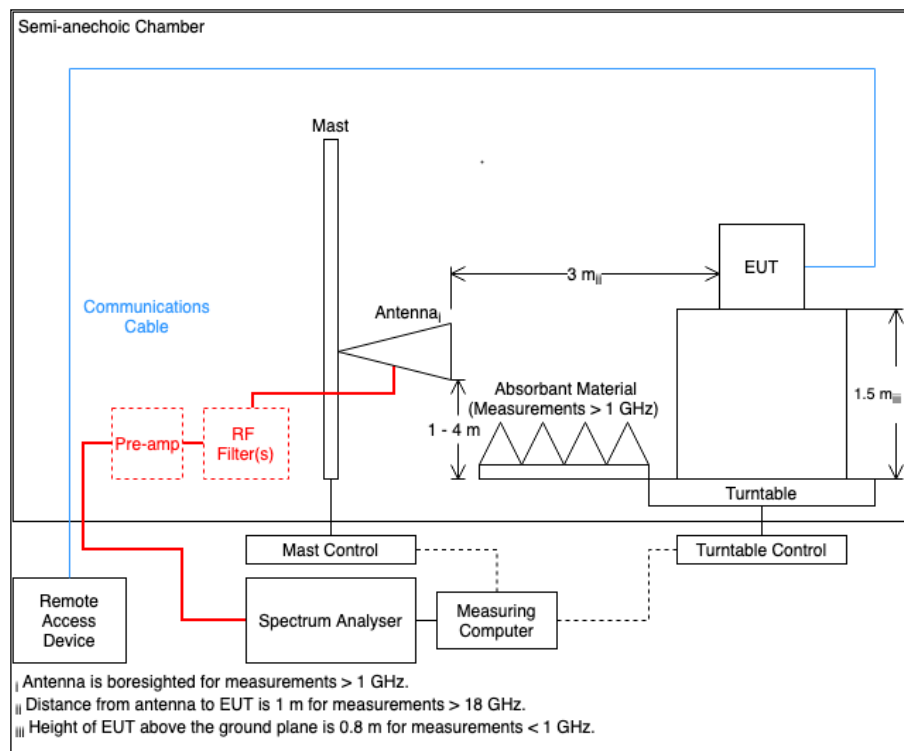


Figure 595

2.5.6 Environmental Conditions

Ambient Temperature	22.1 - 25.4 °C
Relative Humidity	35.7 - 46.8 %



2.5.7 Test Results

2.4 GHz Bluetooth DTS

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 170 - 2402 MHz (CH2402), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz

*No emissions found within 20 dB of the limit.

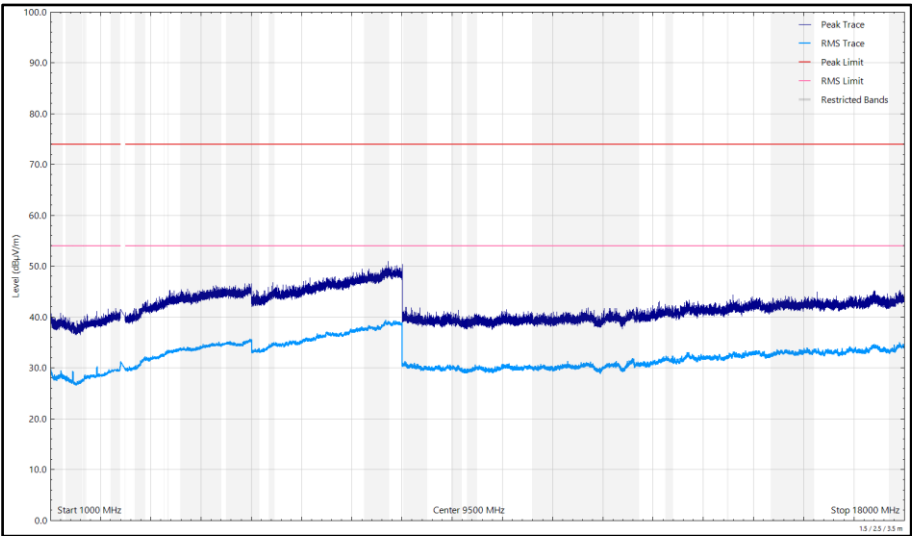


Figure 596 - 2402 MHz (CH2402), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

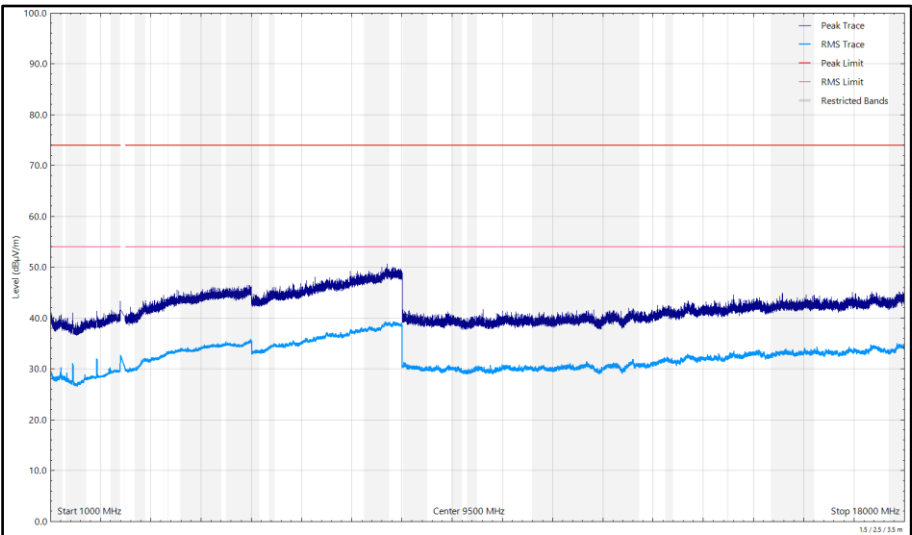


Figure 597 - 2402 MHz (CH2402), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.187	21.27	40.00	-18.73	Q-Peak	113	129	Vertical
42.614	20.78	40.00	-19.22	Q-Peak	171	393	Horizontal
73.039	17.52	40.00	-22.48	Q-Peak	131	353	Horizontal
73.204	24.78	40.00	-15.22	Q-Peak	34	100	Vertical
114.011	21.92	43.50	-21.58	Q-Peak	316	198	Vertical
116.142	19.38	43.50	-24.12	Q-Peak	21	295	Horizontal
136.918	19.99	43.50	-23.51	Q-Peak	0	221	Vertical
137.268	22.58	43.50	-20.92	Q-Peak	308	298	Horizontal

Table 171 - 2440 MHz (CH2440), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

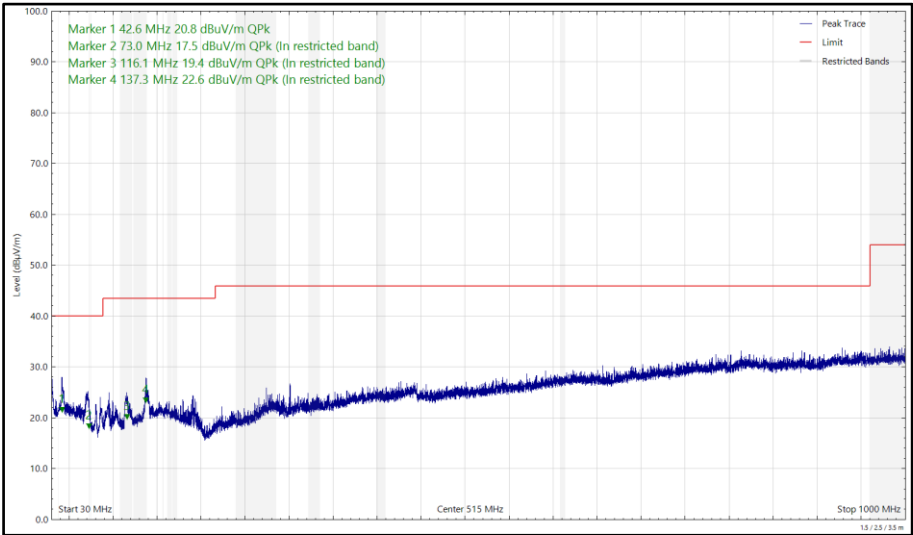


Figure 598 - 2440 MHz (CH2440), LE1M, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

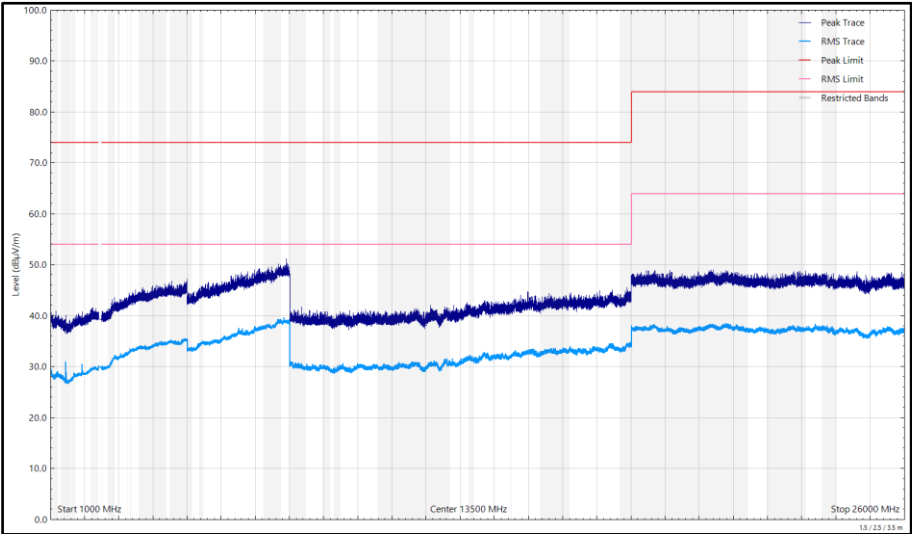


Figure 599 - 2440 MHz (CH2440), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

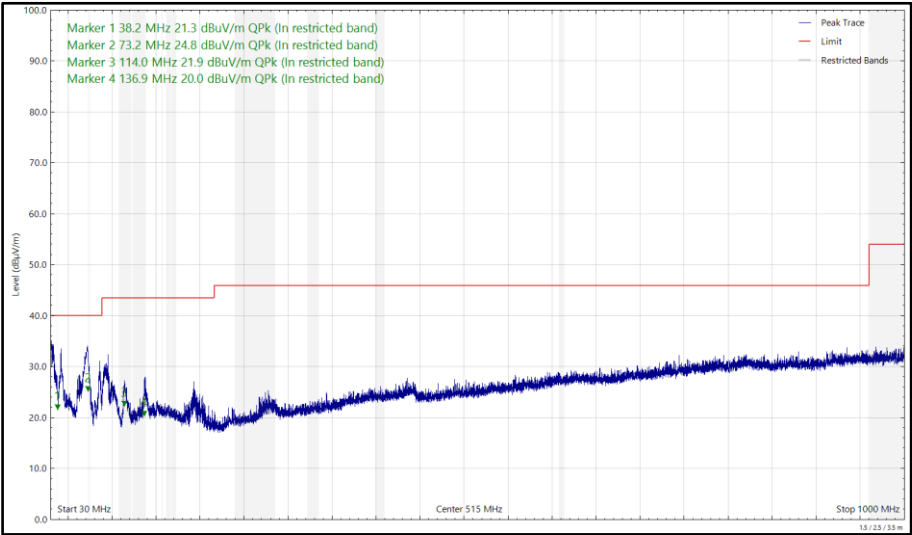


Figure 600 - 2440 MHz (CH2440), LE1M, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

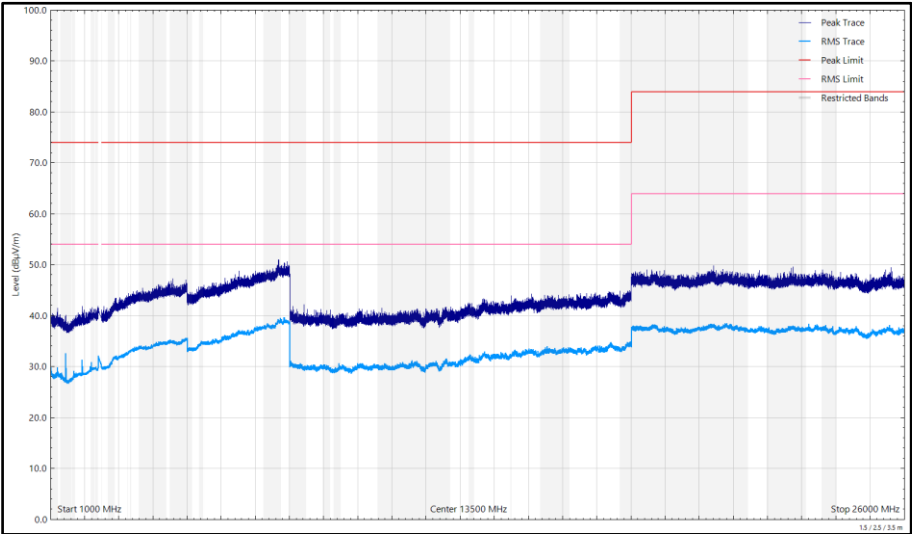


Figure 601 - 2440 MHz (CH2440), LE1M, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
*							

Table 172 - 2480 MHz (CH2480), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz

*No emissions found within 20 dB of the limit.

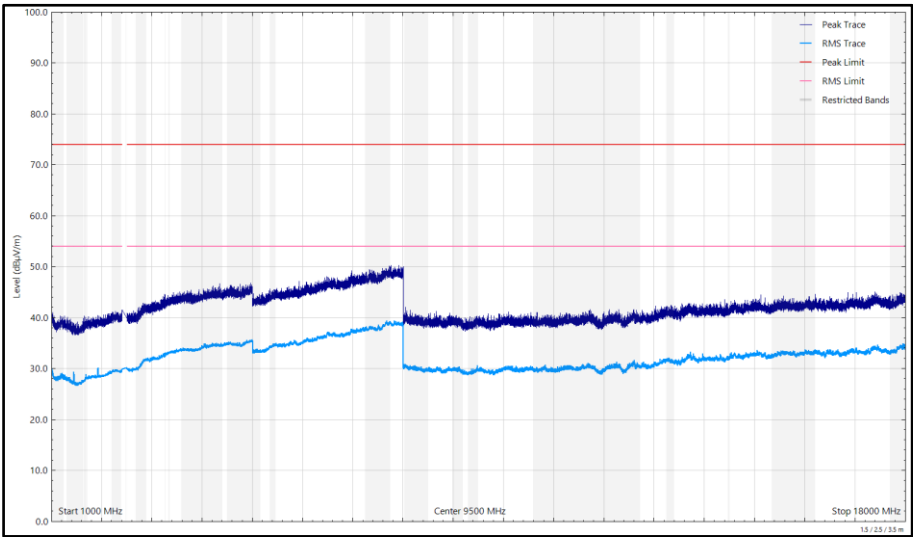


Figure 602 - 2480 MHz (CH2480), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

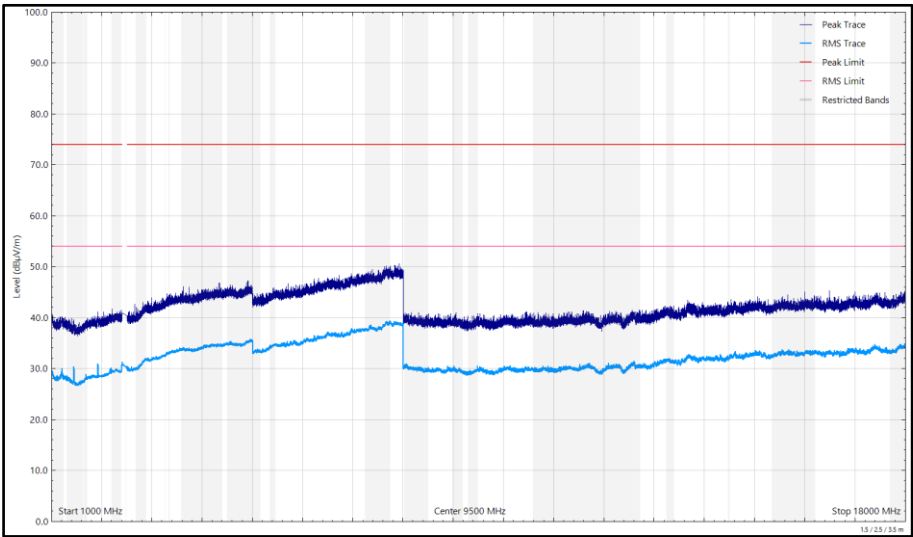


Figure 603 - 2480 MHz (CH2480), LE1M, iPA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4803.875	34.05	54.00	-19.95	RMS	148	132	Vertical

Table 173 - 2402 MHz (CH2402), LE1M, iPA, Core 2, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

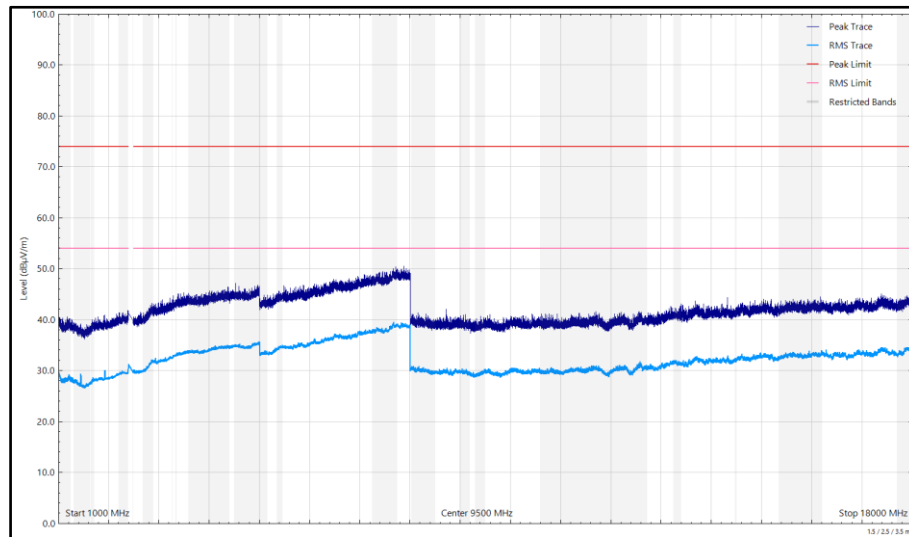


Figure 604 - 2402 MHz (CH2402), LE1M, iPA, Core 2, 1 GHz to 18 GHz, Horizontal

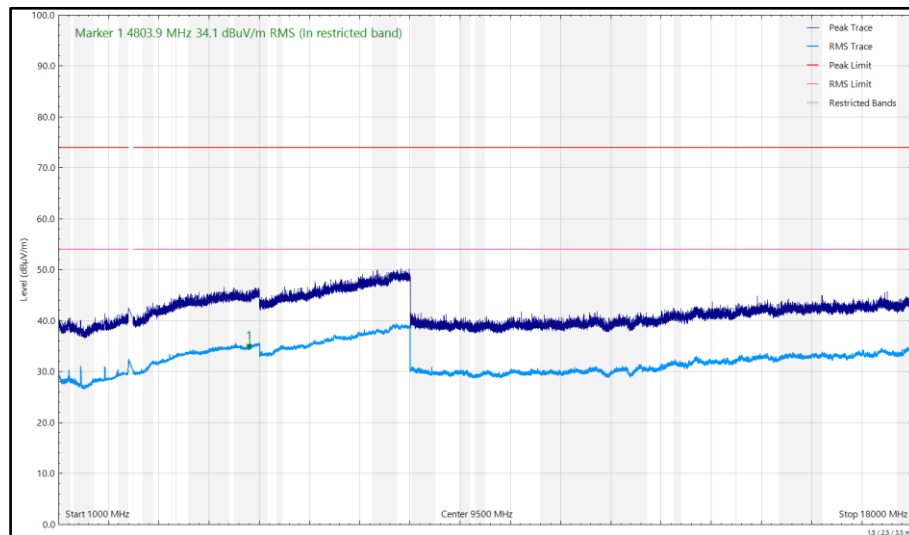


Figure 605 - 2402 MHz (CH2402), LE1M, iPA, Core 2, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.681	20.14	40.00	-19.86	Q-Peak	220	220	Horizontal
73.023	17.55	40.00	-22.45	Q-Peak	149	369	Horizontal
73.046	25.94	40.00	-14.06	Q-Peak	48	100	Vertical
114.512	20.88	43.50	-22.62	Q-Peak	350	288	Horizontal
115.213	22.25	43.50	-21.25	Q-Peak	308	128	Vertical
136.054	19.75	43.50	-23.75	Q-Peak	237	193	Vertical
136.665	20.93	43.50	-22.57	Q-Peak	312	369	Horizontal
268.163	18.93	46.00	-27.07	Q-Peak	354	111	Vertical
4880.956	34.39	54.00	-19.61	RMS	252	100	Vertical

Table 174 - 2440 MHz (CH2440), LE1M, iPA, Core 2, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

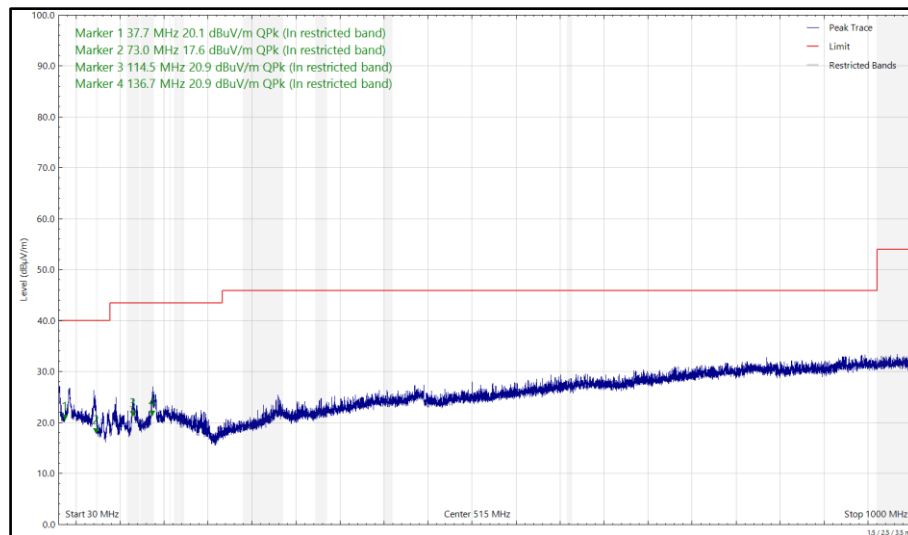


Figure 606 - 2440 MHz (CH2440), LE1M, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

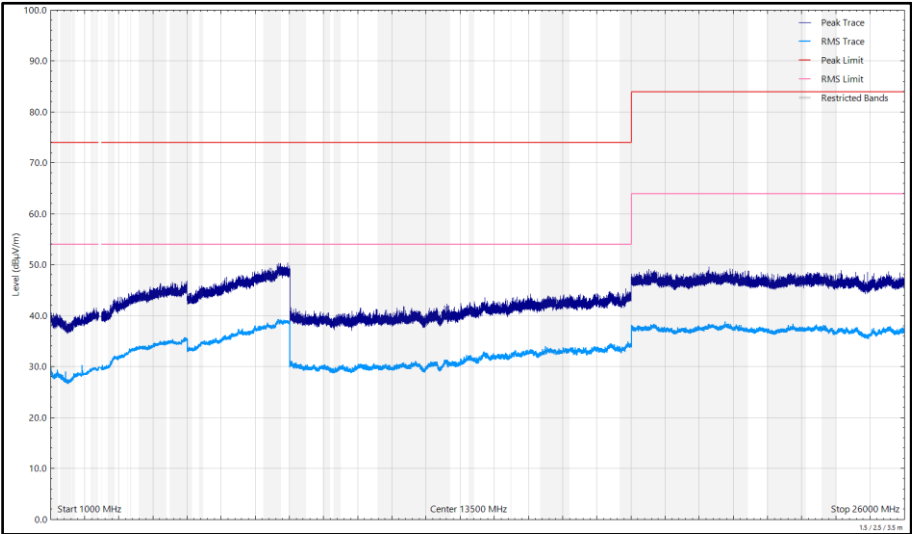


Figure 607 - 2440 MHz (CH2440), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

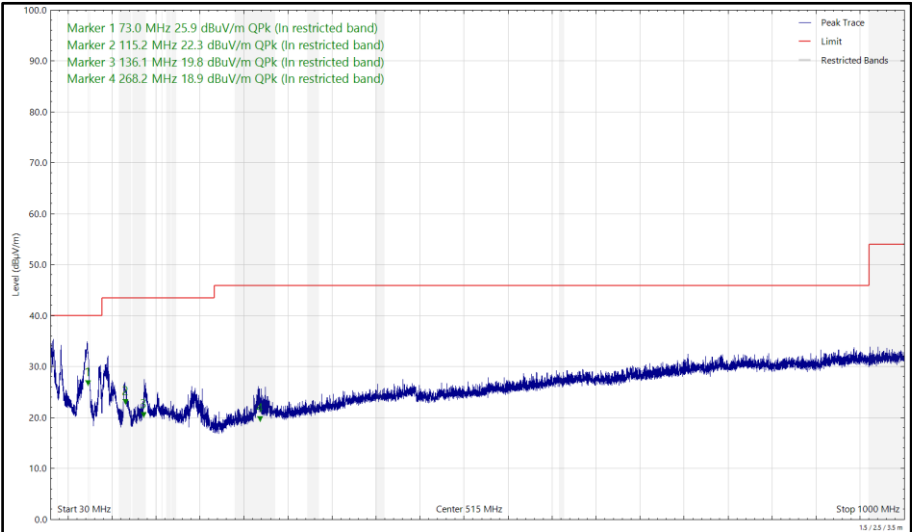


Figure 608 - 2440 MHz (CH2440), LE1M, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

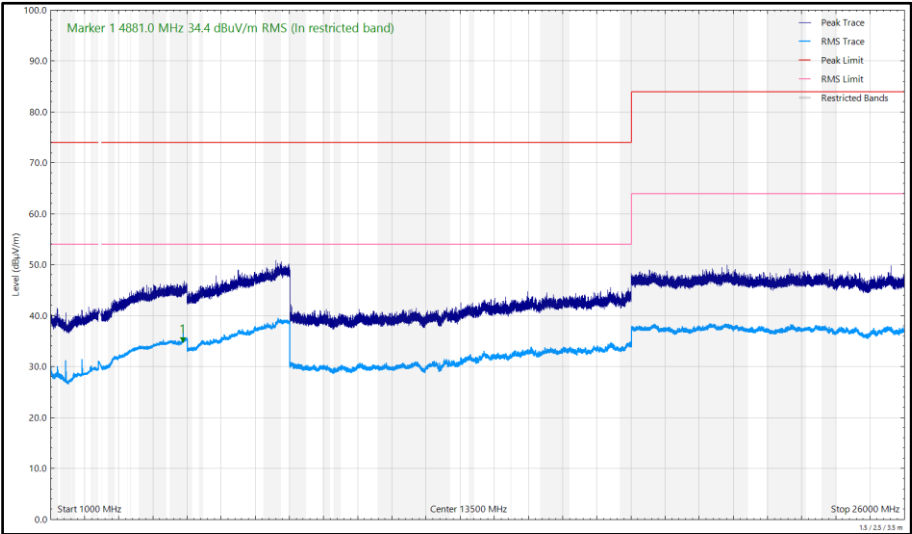


Figure 609 - 2440 MHz (CH2440), LE1M, iPA, Core 2, 1 GHz to 26 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4967.998	34.78	54.00	-19.22	RMS	312	387	Vertical

Table 175 - 2480 MHz (CH2480), LE1M, iPA, Core 2, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

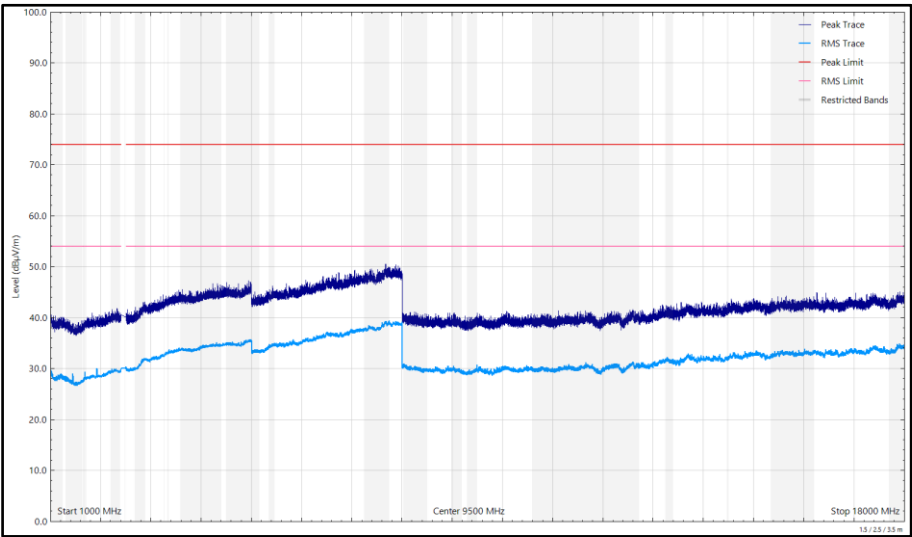


Figure 610 - 2480 MHz (CH2480), LE1M, iPA, Core 2, 1 GHz to 18 GHz, Horizontal

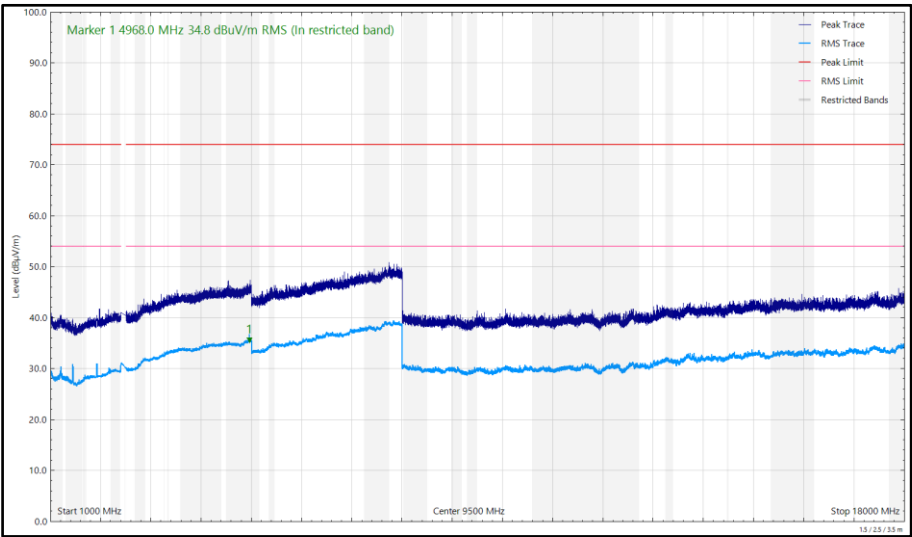


Figure 611 - 2480 MHz (CH2480), LE1M, iPA, Core 2, 1 GHz to 18 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2389.677	38.65	54.00	-15.35	RMS	56	399	Horizontal
2389.892	44.15	54.00	-9.85	RMS	27	361	Vertical
2483.607	38.15	54.00	-15.85	RMS	26	296	Vertical

Table 176 - 2402 MHz (CH2402), LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

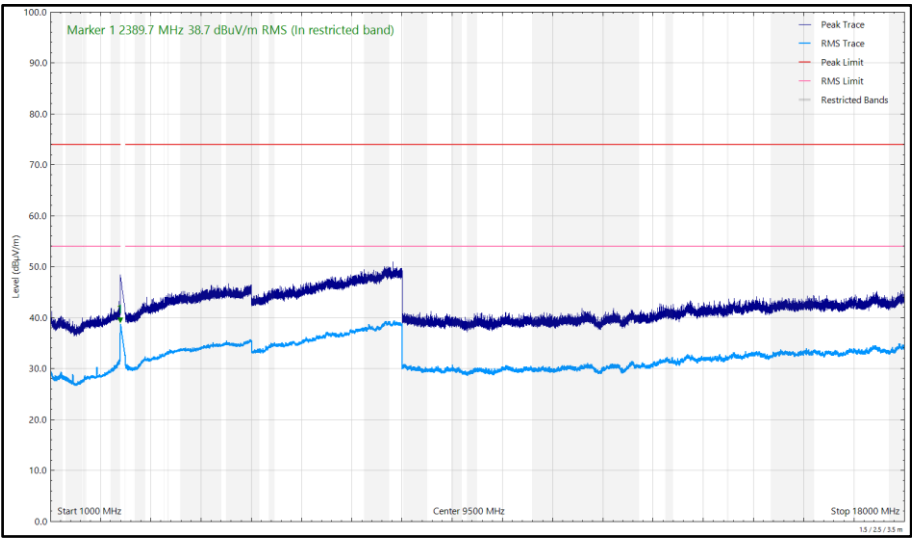


Figure 612 - 2402 MHz (CH2402), LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

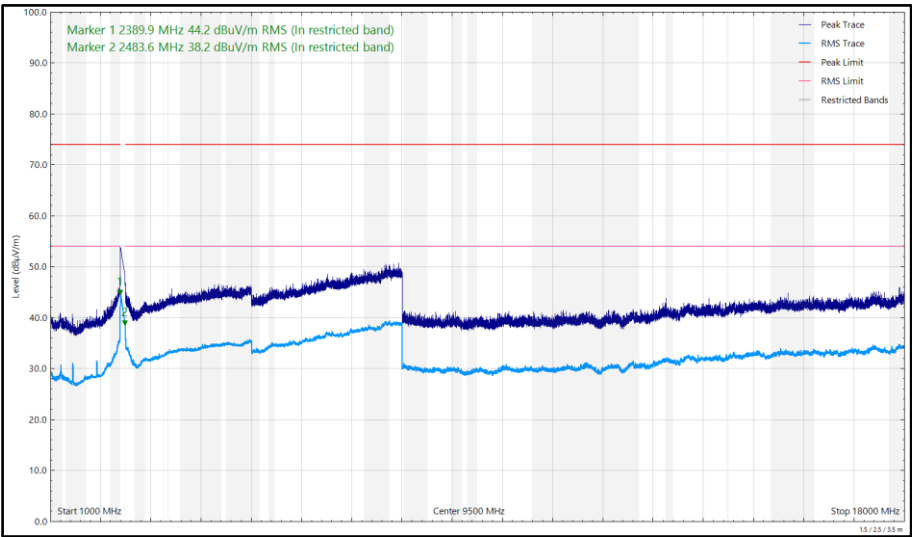


Figure 613 - 2402 MHz (CH2402), LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.839	20.13	40.00	-19.87	Q-Peak	189	212	Horizontal
37.930	20.61	40.00	-19.39	Q-Peak	234	284	Vertical
73.452	24.59	40.00	-15.41	Q-Peak	39	111	Vertical
74.309	17.12	40.00	-22.88	Q-Peak	353	260	Horizontal
113.522	22.21	43.50	-21.29	Q-Peak	345	178	Vertical
114.888	19.60	43.50	-23.90	Q-Peak	331	395	Horizontal
136.191	21.08	43.50	-22.42	Q-Peak	325	240	Horizontal
136.664	22.70	43.50	-20.80	Q-Peak	350	108	Vertical
2389.758	33.69	54.00	-20.31	RMS	61	399	Horizontal
2389.815	39.81	54.00	-14.19	RMS	23	357	Vertical
2483.594	39.94	54.00	-14.06	RMS	18	314	Vertical

Table 177 - 2440 MHz (CH2440), LE1M, ePA, Core 0 + Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

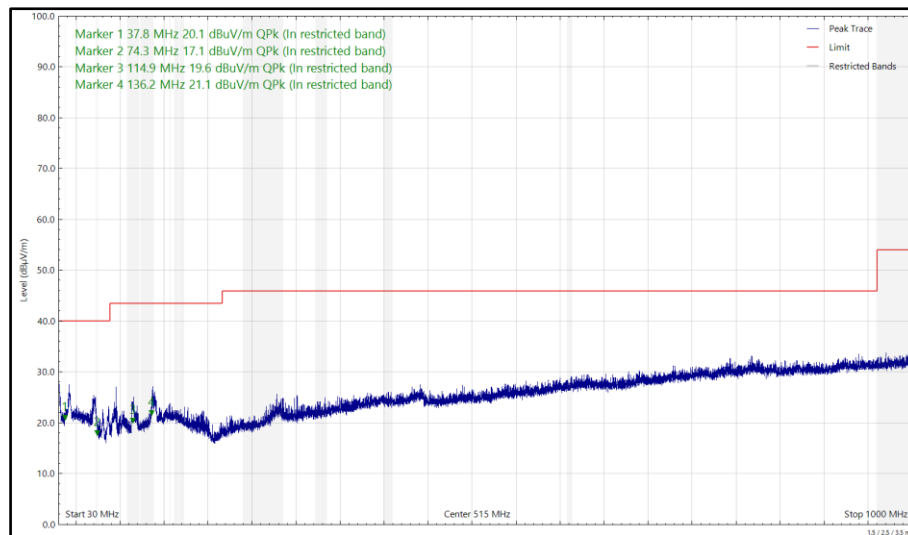


Figure 614 - 2440 MHz (CH2440), LE1M, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

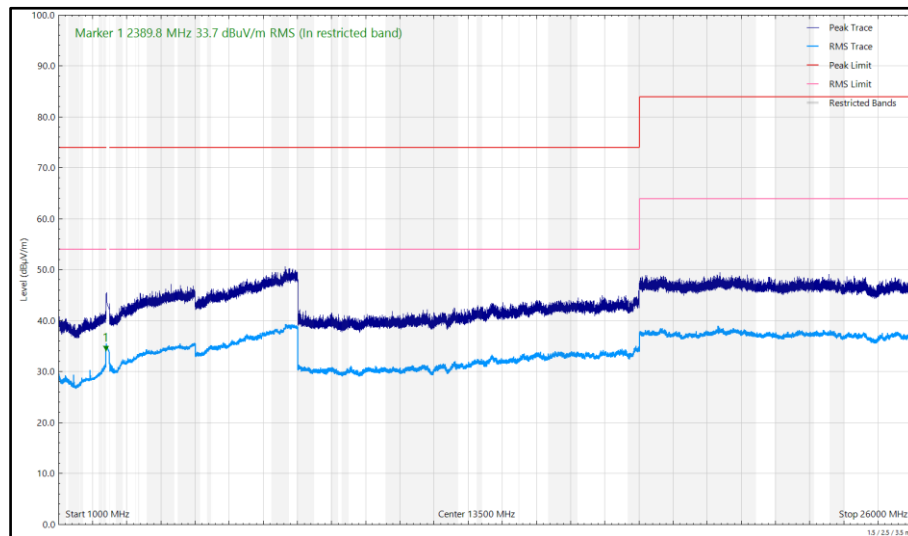


Figure 615 - 2440 MHz (CH2440), LE1M, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

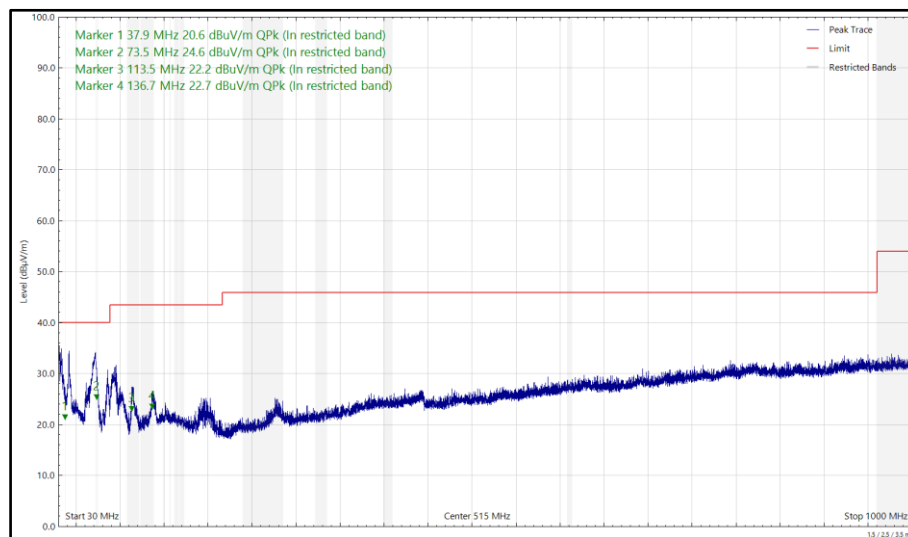


Figure 616 - 2440 MHz (CH2440), LE1M, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

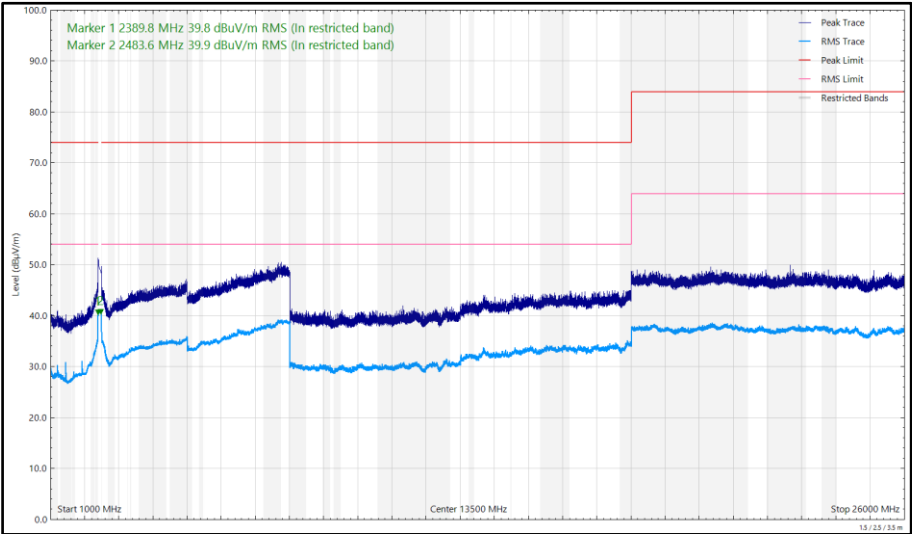


Figure 617 - 2440 MHz (CH2440), LE1M, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2388.866	34.54	54.00	-19.46	RMS	48	399	Horizontal
2389.852	38.63	54.00	-15.37	RMS	25	357	Vertical
2499.022	36.00	54.00	-18.00	RMS	348	323	Vertical

Table 178 - 2480 MHz (CH2480), LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

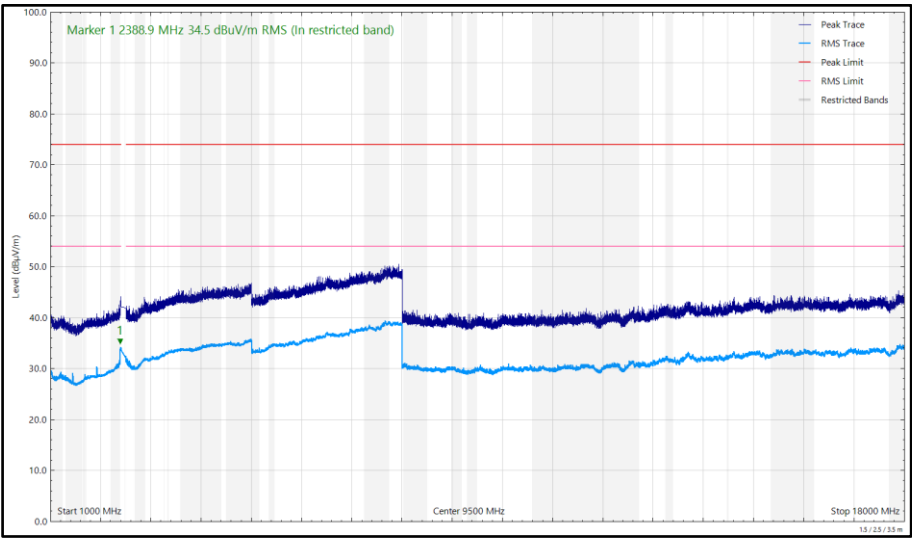


Figure 618 - 2480 MHz (CH2480), LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Horizontal

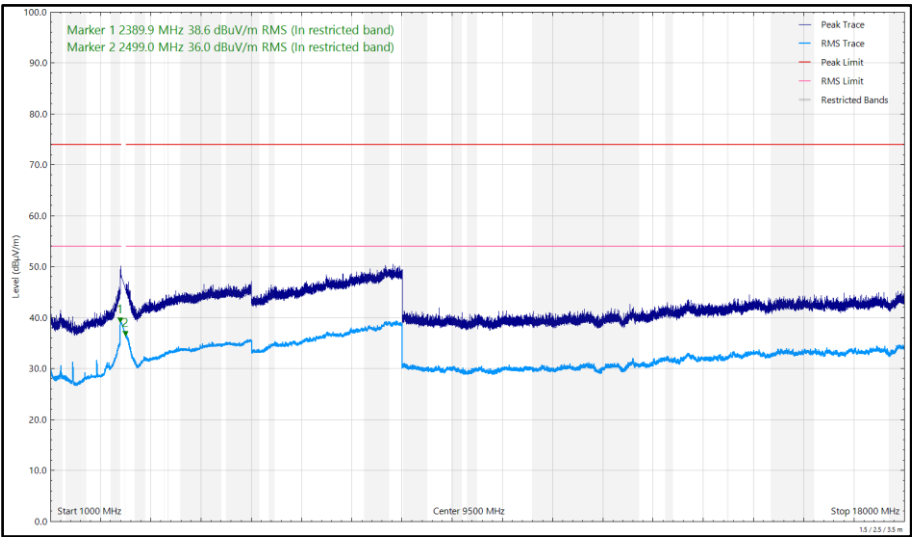


Figure 619 - 2480 MHz (CH2480), LE1M, ePA, Core 0 + Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.800	21.49	40.00	-18.51	Q-Peak	95	130	Vertical
38.165	20.31	40.00	-19.69	Q-Peak	181	241	Horizontal
73.038	25.92	40.00	-14.08	Q-Peak	49	100	Vertical
74.599	16.83	40.00	-23.17	Q-Peak	127	371	Horizontal
115.441	23.63	43.50	-19.87	Q-Peak	288	102	Vertical
135.519	19.78	43.50	-23.72	Q-Peak	334	381	Horizontal
266.398	19.25	46.00	-26.75	Q-Peak	267	143	Vertical
280.122	19.81	46.00	-26.19	Q-Peak	350	260	Horizontal
4211.674	33.93	54.00	-20.07	RMS	26	353	Vertical

Table 179 - 2440 MHz (CH2440), HDR8, iPA, Core 0 + Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

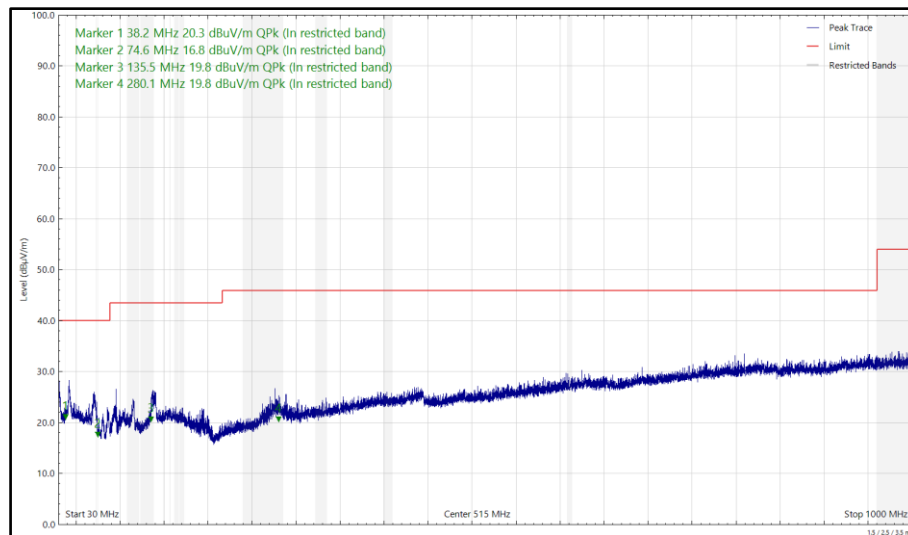


Figure 620 - 2440 MHz (CH2440), HDR8, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

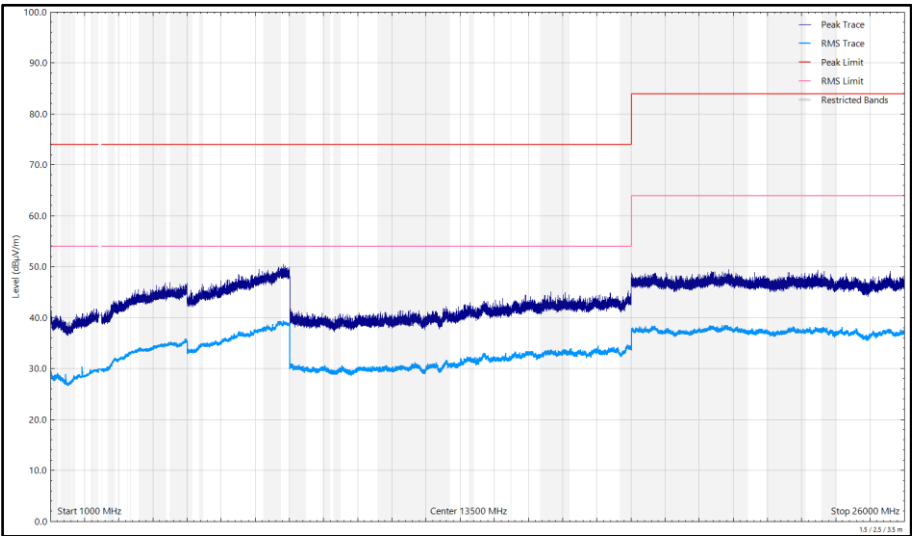


Figure 621 - 2440 MHz (CH2440), HDR8, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

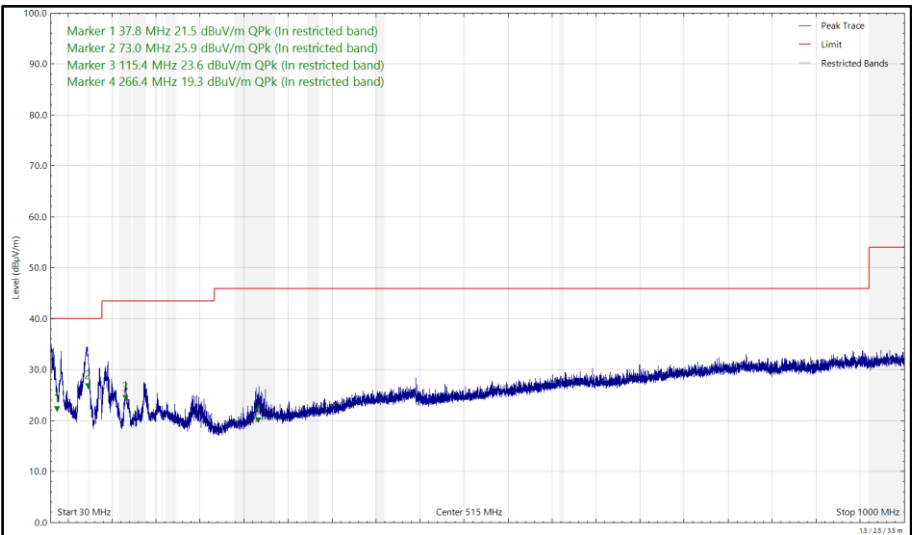


Figure 622 - 2440 MHz (CH2440), HDR8, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

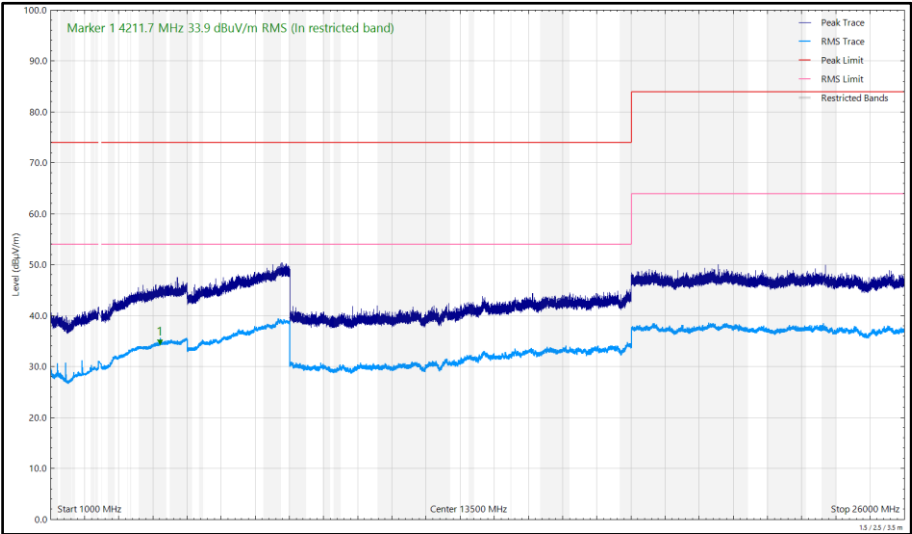


Figure 623 - 2440 MHz (CH2440), HDR8, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.565	21.80	40.00	-18.20	Q-Peak	65	112	Vertical
37.810	20.26	40.00	-19.74	Q-Peak	248	289	Horizontal
73.060	24.54	40.00	-15.46	Q-Peak	133	100	Vertical
73.269	17.49	40.00	-22.51	Q-Peak	153	367	Horizontal
115.465	18.77	43.50	-24.73	Q-Peak	278	271	Horizontal
136.380	22.22	43.50	-21.28	Q-Peak	349	107	Vertical
281.476	20.06	46.00	-25.94	Q-Peak	299	119	Vertical

Table 180 - 2440 MHz (CH2440), HDR8, iPA, Core 2, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

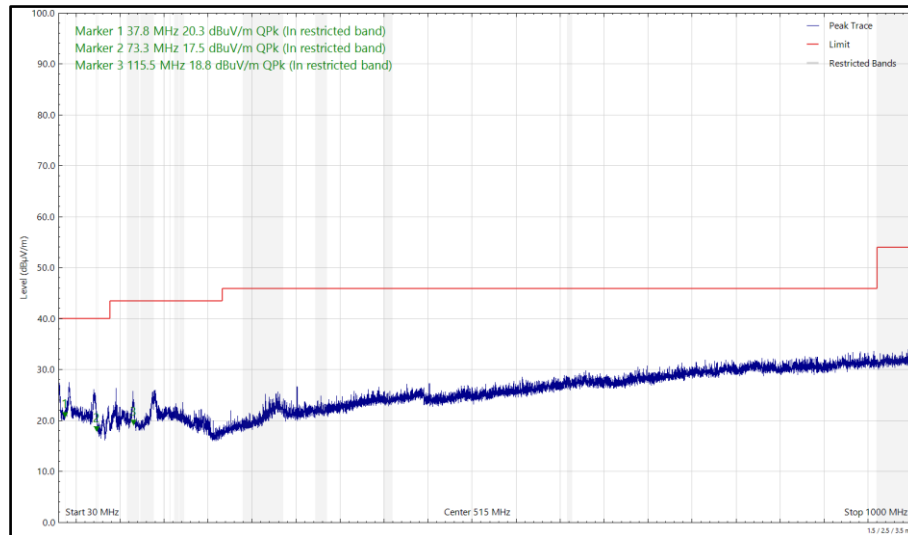


Figure 624 - 2440 MHz (CH2440), HDR8, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

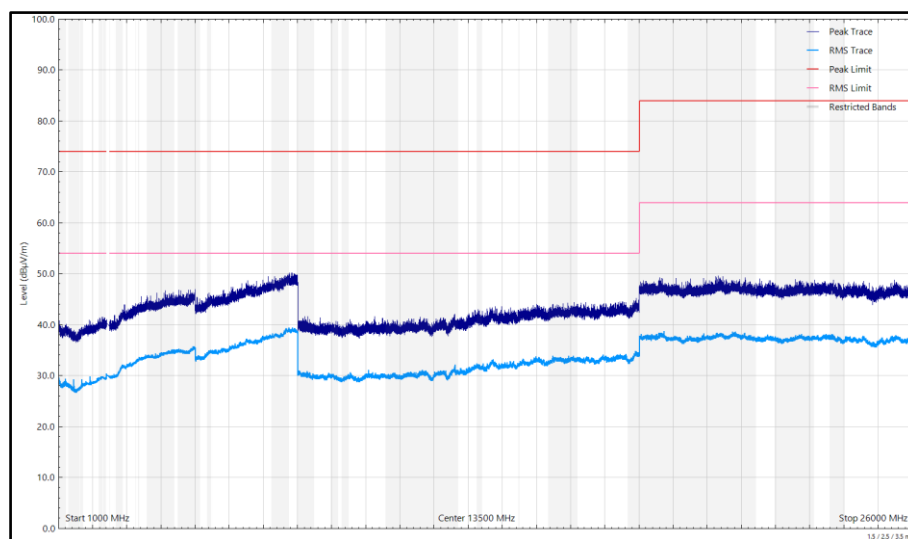


Figure 625 - 2440 MHz (CH2440), HDR8, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

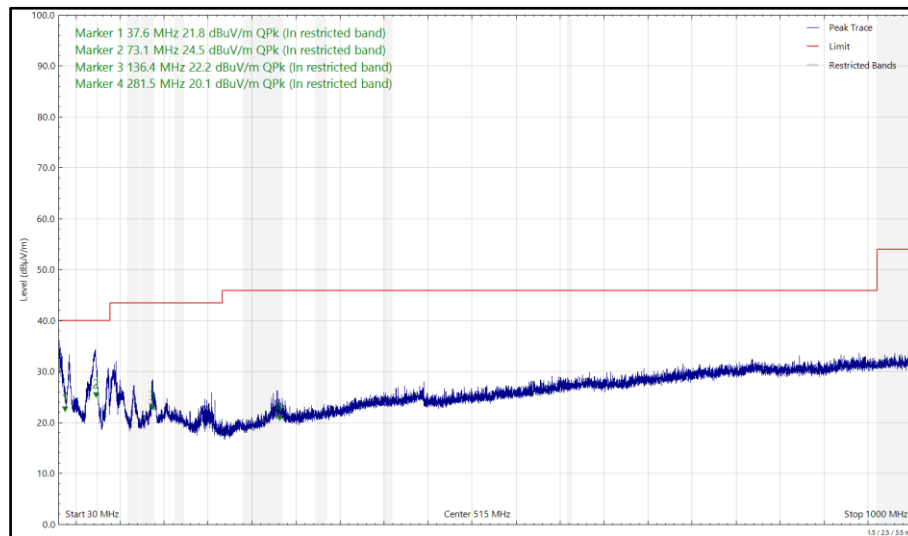


Figure 626 - 2440 MHz (CH2440), HDR8, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

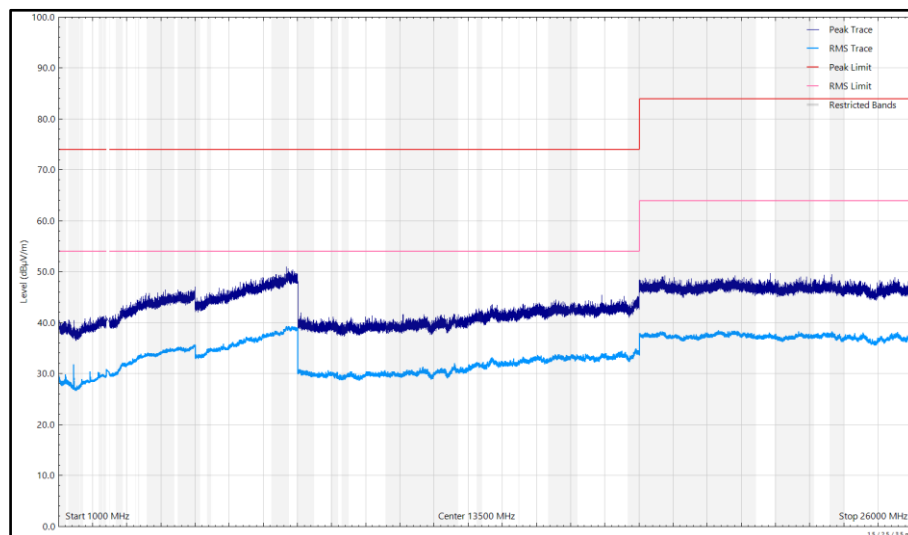


Figure 627 - 2440 MHz (CH2440), HDR8, iPA, Core 2, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.706	20.11	40.00	-19.89	Q-Peak	203	343	Horizontal
37.951	20.33	40.00	-19.67	Q-Peak	294	381	Vertical
73.071	24.66	40.00	-15.34	Q-Peak	45	171	Vertical
115.064	21.04	43.50	-22.46	Q-Peak	360	263	Horizontal
115.680	22.50	43.50	-21.00	Q-Peak	268	117	Vertical
136.542	21.67	43.50	-21.83	Q-Peak	321	256	Horizontal
266.966	18.94	46.00	-27.06	Q-Peak	291	209	Vertical
2389.572	36.46	54.00	-17.54	RMS	12	312	Vertical
2483.695	36.40	54.00	-17.60	RMS	30	355	Vertical

Table 181 - 2440 MHz (CH2440), HDR8, ePA, Core 0 + Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

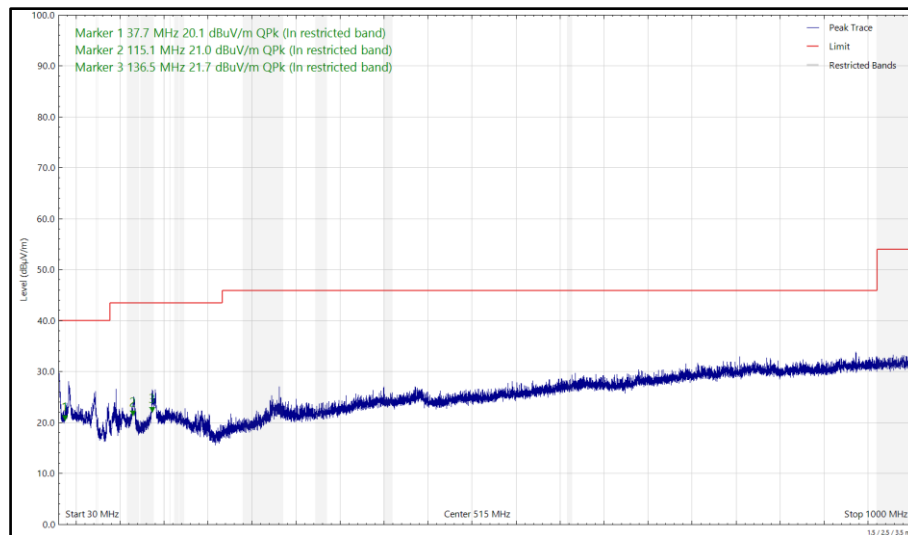


Figure 628 - 2440 MHz (CH2440), HDR8, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

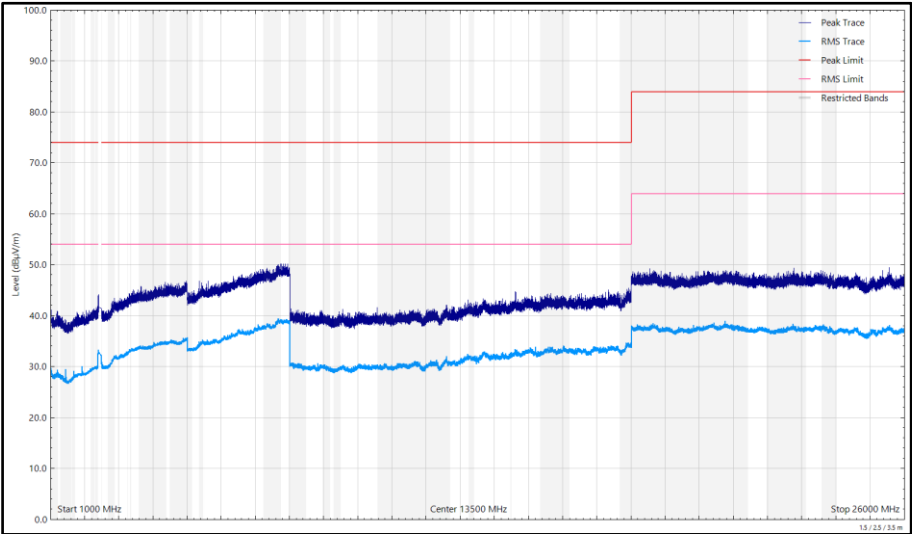


Figure 629 - 2440 MHz (CH2440), HDR8, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

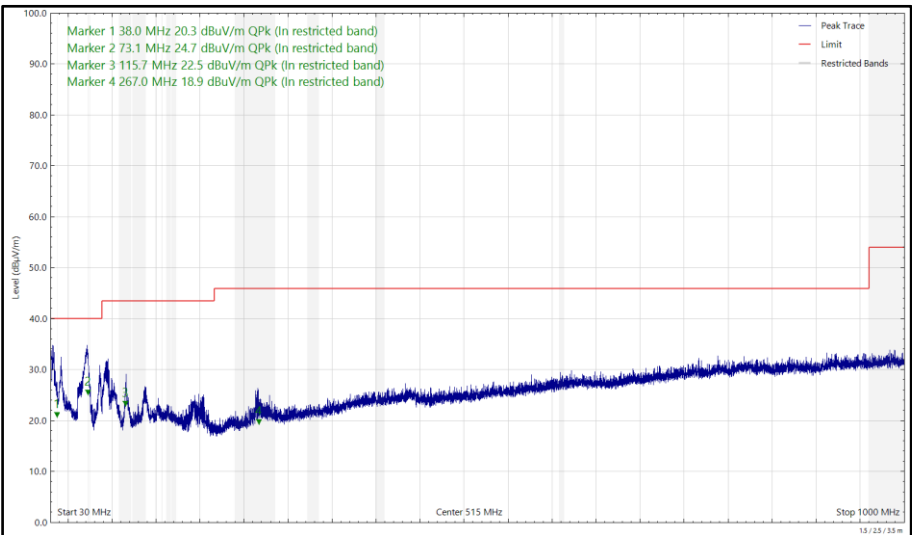


Figure 630 - 2440 MHz (CH2440), HDR8, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

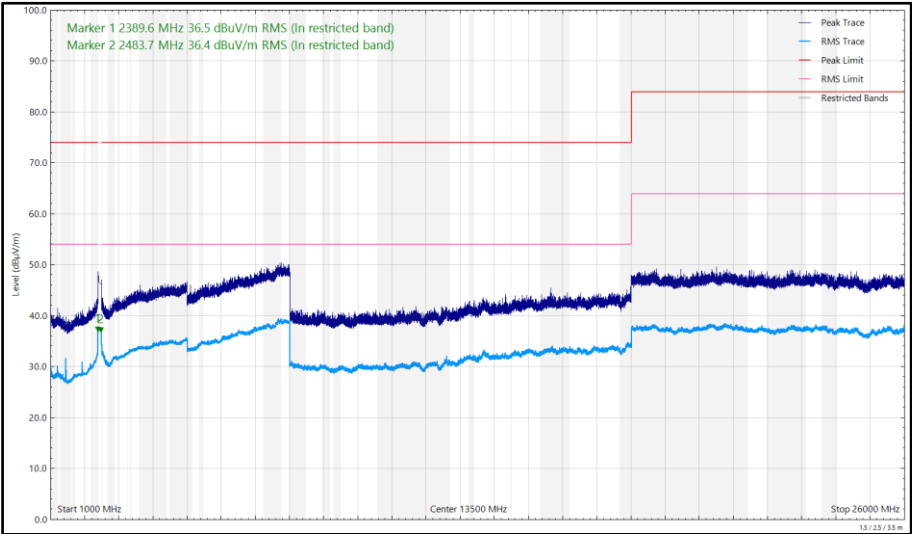


Figure 631 - 2440 MHz (CH2440), HDR8, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.717	21.64	40.00	-18.36	Q-Peak	206	156	Vertical
73.021	25.36	40.00	-14.64	Q-Peak	27	103	Vertical
73.975	16.96	40.00	-23.04	Q-Peak	255	280	Horizontal
114.614	22.99	43.50	-20.51	Q-Peak	322	129	Vertical
114.660	20.40	43.50	-23.10	Q-Peak	211	309	Horizontal
136.715	21.94	43.50	-21.56	Q-Peak	296	319	Horizontal
136.995	22.44	43.50	-21.06	Q-Peak	355	100	Vertical

Table 182 - 2440 MHz (CH2440), HDT4, iPA, Core 0 + Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

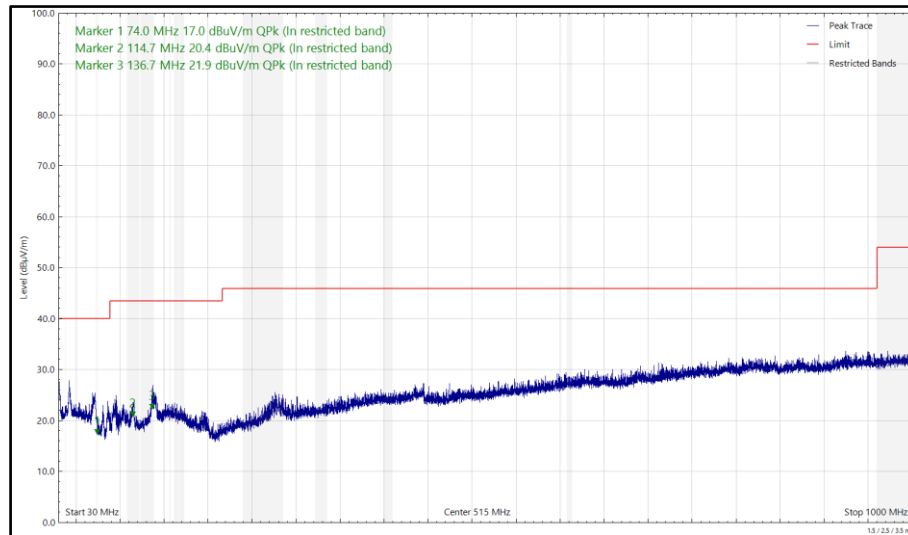


Figure 632 - 2440 MHz (CH2440), HDT4, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

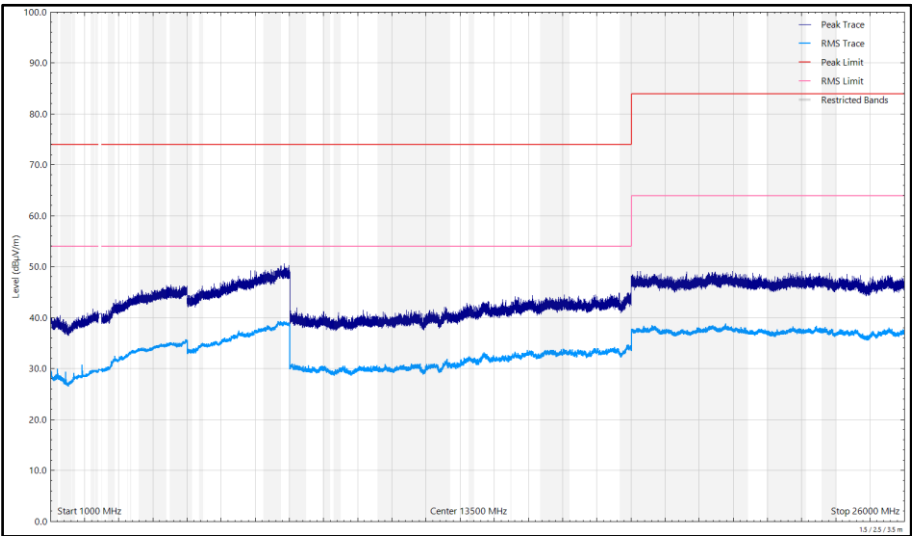


Figure 633 - 2440 MHz (CH2440), HDT4, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

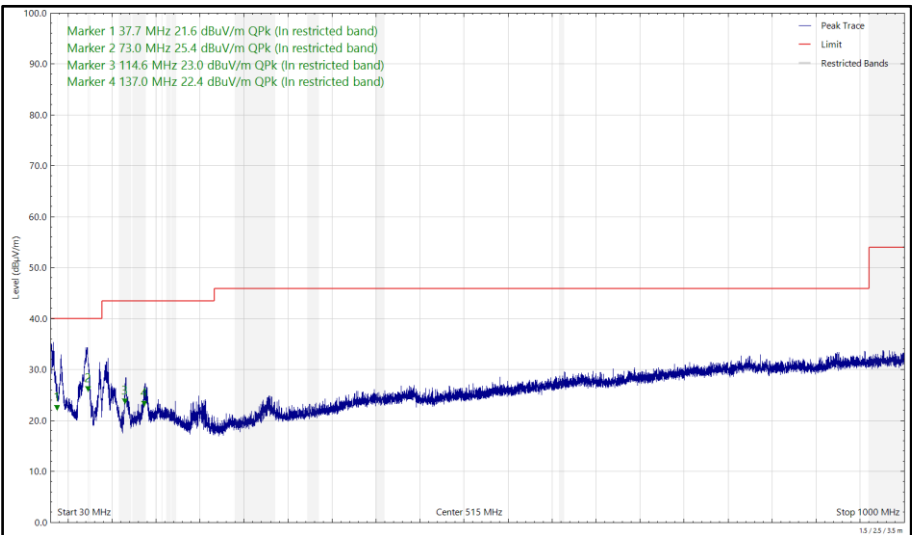


Figure 634 - 2440 MHz (CH2440), HDT4, iPA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

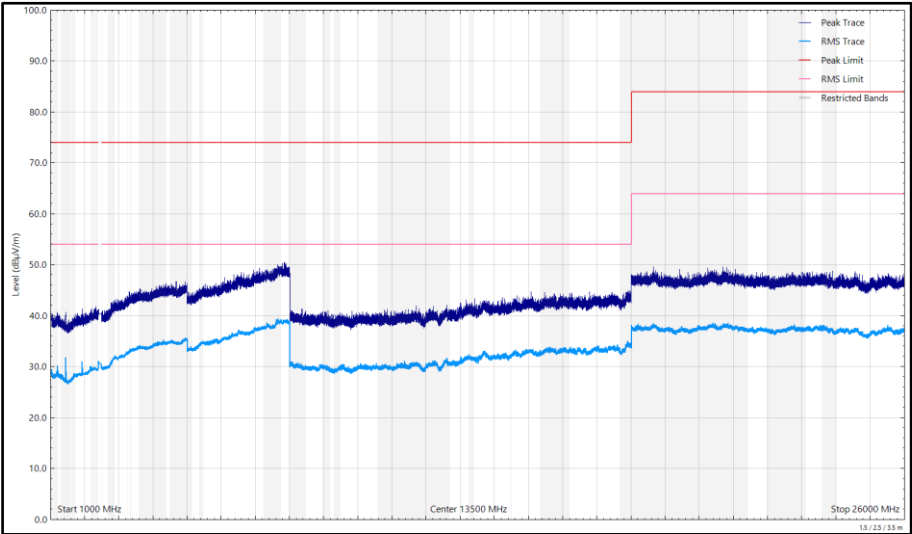


Figure 635 - 2440 MHz (CH2440), HDT4, iPA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.677	21.02	40.00	-18.98	Q-Peak	14	211	Vertical
38.167	20.26	40.00	-19.74	Q-Peak	87	389	Horizontal
73.074	24.47	40.00	-15.53	Q-Peak	224	119	Vertical
74.482	16.93	40.00	-23.07	Q-Peak	49	279	Horizontal
114.530	19.52	43.50	-23.98	Q-Peak	0	390	Horizontal
115.222	23.95	43.50	-19.55	Q-Peak	305	100	Vertical
135.276	20.45	43.50	-23.05	Q-Peak	301	198	Horizontal
136.392	22.59	43.50	-20.91	Q-Peak	350	100	Vertical
608.559	27.17	46.00	-18.83	Q-Peak	247	291	Vertical

Table 183 - 2440 MHz (CH2440), HDT4, iPA, Core 2, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

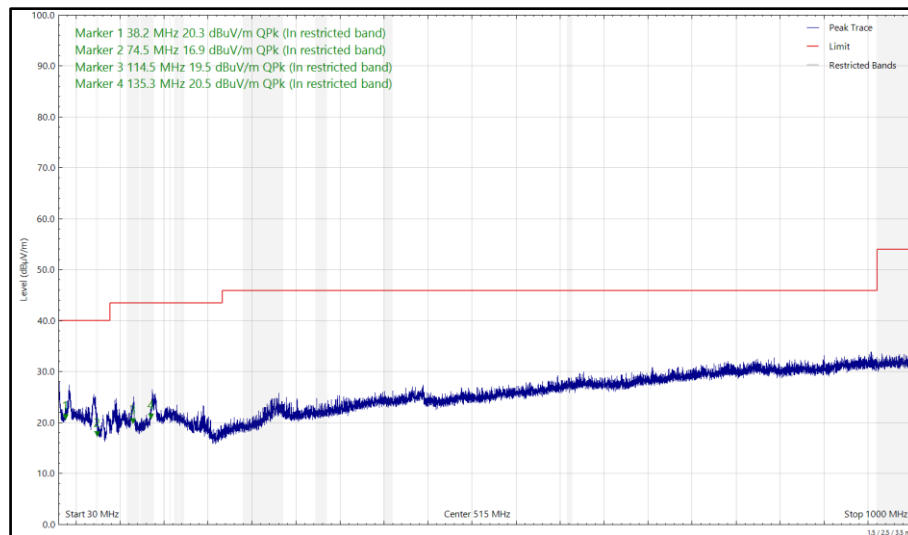


Figure 636 - 2440 MHz (CH2440), HDT4, iPA, Core 2, 30 MHz to 1 GHz, Horizontal (Peak)

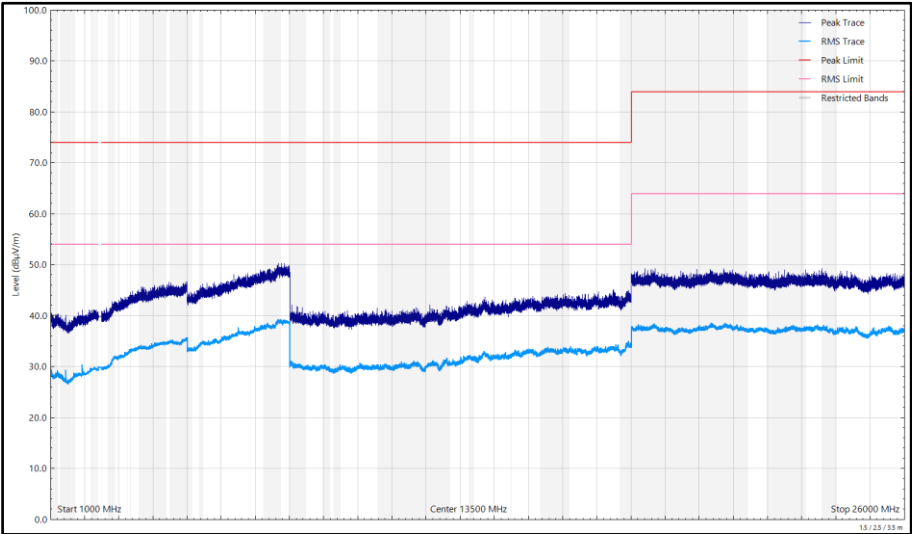


Figure 637 - 2440 MHz (CH2440), HDT4, iPA, Core 2, 1 GHz to 26 GHz, Horizontal

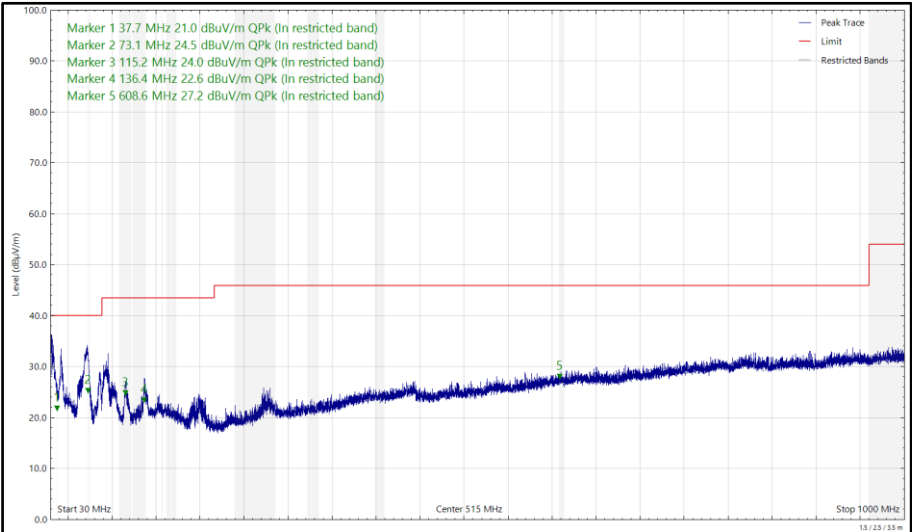


Figure 638 - 2440 MHz (CH2440), HDT4, iPA, Core 2, 30 MHz to 1 GHz, Vertical (Peak)

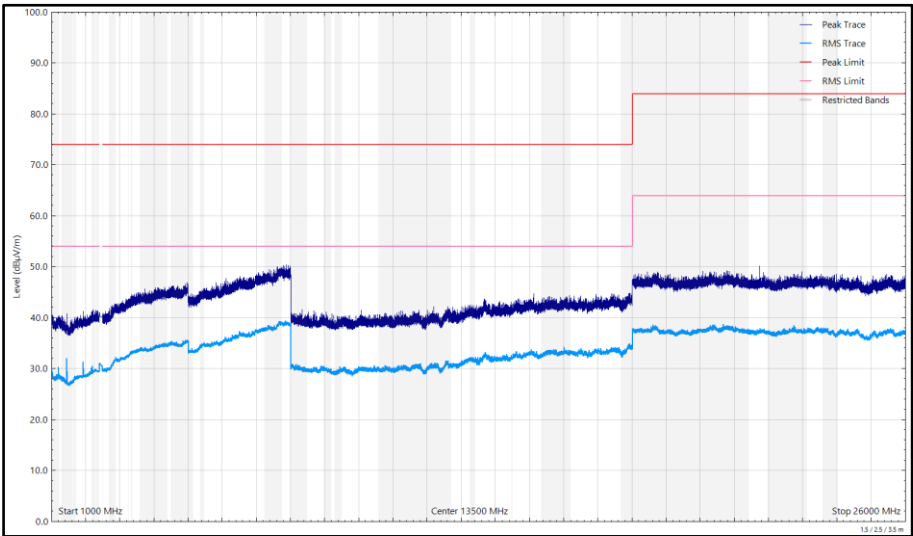


Figure 639 - 2440 MHz (CH2440), HDT4, iPA, Core 2, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.892	21.60	40.00	-18.40	Q-Peak	144	129	Vertical
73.045	24.49	40.00	-15.51	Q-Peak	176	127	Vertical
73.221	17.59	40.00	-22.41	Q-Peak	163	359	Horizontal
114.644	20.27	43.50	-23.23	Q-Peak	203	320	Horizontal
115.207	23.48	43.50	-20.02	Q-Peak	272	105	Vertical
133.784	19.15	43.50	-24.35	Q-Peak	259	400	Horizontal
265.584	18.85	46.00	-27.15	Q-Peak	72	160	Vertical
2389.970	34.29	54.00	-19.71	RMS	10	347	Vertical
2483.695	34.71	54.00	-19.29	RMS	42	386	Vertical

Table 184 - 2440 MHz (CH2440), HDT4, ePA, Core 0 + Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

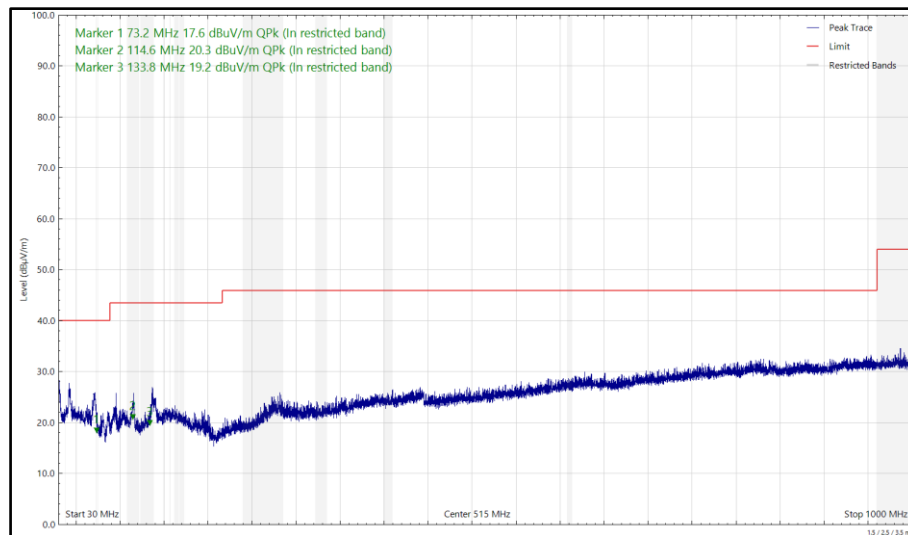


Figure 640 - 2440 MHz (CH2440), HDT4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

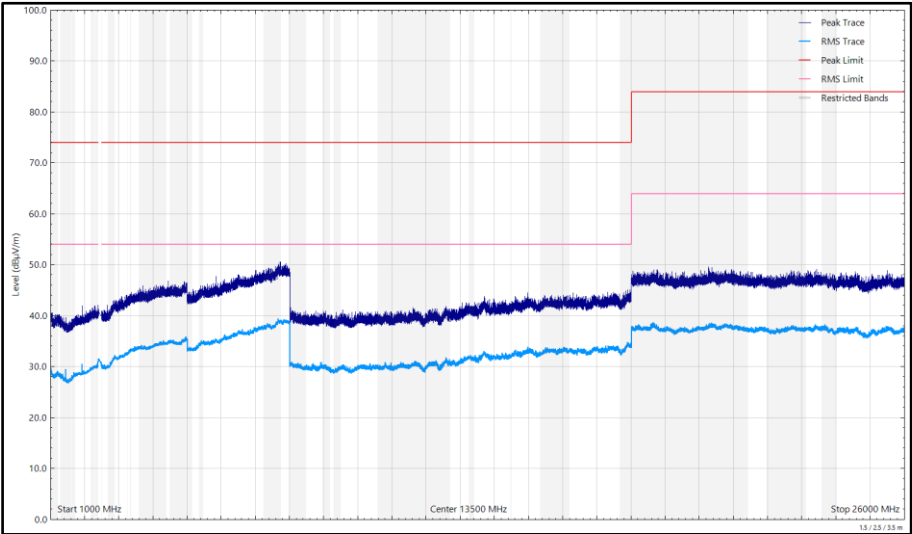


Figure 641 - 2440 MHz (CH2440), HDT4, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Horizontal

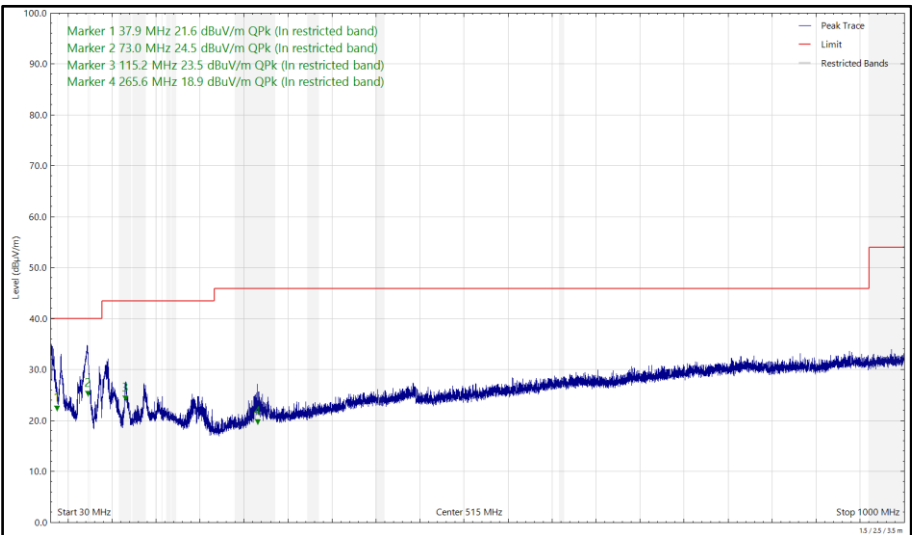


Figure 642 - 2440 MHz (CH2440), HDT4, ePA, Core 0 + Core 1, 30 MHz to 1 GHz, Vertical (Peak)

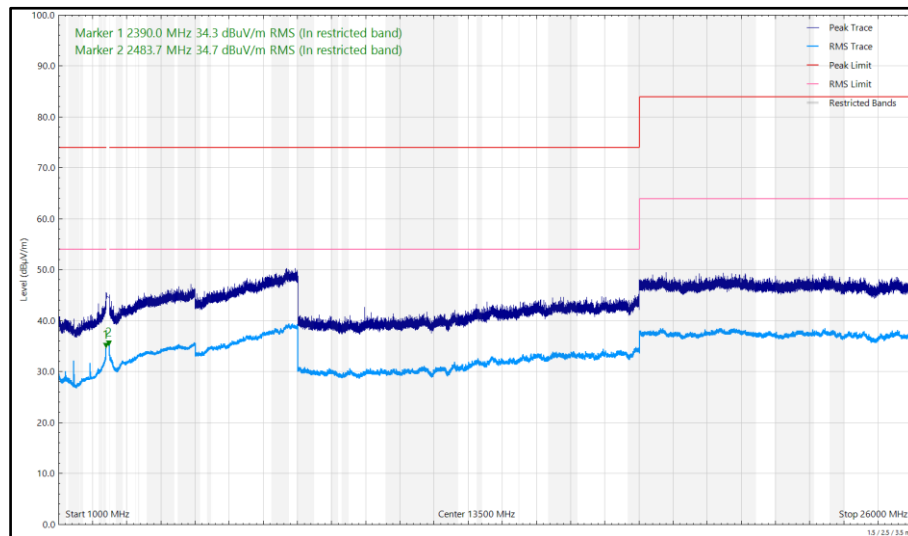


Figure 643 - 2440 MHz (CH2440), HDT4, ePA, Core 0 + Core 1, 1 GHz to 26 GHz, Vertical

FCC 47 CFR Part 15, Limit Clause 15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in 15.209(a)

ISED RSS-247, Limit Clause 6.6

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 6.3.2, the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

In addition, radiated emissions which fall in the restricted bands, as defined in RSS-GEN, clause 8.10, must also comply with the radiated emission limits specified in RSS-GEN clause 8.9.



2.5.8 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 V3.6	5125	-	TU
EMI Test Receiver	Rohde & Schwarz	ESW44	5911	12	29-Oct-2026
DRG Horn Antenna (7.5-18GHz)	Schwarzbeck	HWRD750	5940	12	18-May-2026
TRILOG Super Broadband Test Antenna	Schwarzbeck	VULB 9168	5943	24	05-Sep-2027
Mast & Turntable Controller	Maturo Gmbh	FCU3.0	5960	-	TU
Tilt Antenna Mast	Maturo Gmbh	BAM4.5-P	5961	-	TU
Cable (SMA to SMA 1m)	Junkosha	MWX221-01000AMSAMS/A	6007	12	06-Jun-2026
Digital Multimeter	Fluke	115	6145	12	06-Jun-2026
Humidity & Temperature meter	R.S Components	1364	6149	12	28-Aug-2026
Double Ridge Active Horn Antenna (18-40 GHz)	Com-Power	AHA-840	6188	24	31-Jul-2026
8GHz Highpass Filter	Wainwright	WHKX 7150 8000 18000 50SS	6195	12	23-Apr-2026
Pre Amp 8 - 18 GHz	Wright Technologies	APS06 0061	6198	12	09-Jun-2026
Attenuator 4dB	Pasternack	PE7074-4	6201	24	05-Sep-2027
Cable (SMA to SMA 20cm)	TUV SUD	MH-FH 8-18	6214	12	23-Apr-2026
EMI Test Receiver	Rohde & Schwarz	ESW44	6294	12	24-Feb-2026
USB Spectrum Analyser	Signal Hound	SA124B	6295	-	TU
USB Spectrum Analyser	Signal Hound	SA124B	6298	-	TU
Digital Multimeter	Fluke	115	6345	12	24-Jul-2026
Humidity and Temperature Meter	R.S Components	1364	6346	12	13-Mar-2026
1m Coaxial Cable Assy	Junkosha	MWX221-01000AMSAMS/A	6354	12	15-Apr-2026
3m Semi-Anechoic Chamber	Albatross Projects	Chamber 18	6597	36	08-May-2028
AC Power Supply	iTech	IT7324	6657	-	TU
3m Semi-Anechoic Chamber	Albatross Projects	RF Chamber 17	6658	36	07-May-2028
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
2m Cable	Junkosha	MWX241-02000KMSKMS/B	6742	12	27-Apr-2026



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Turntable	Maturo Gmbh	TT1.5SI	6797	-	TU
AC Programmable Power Supply	iTech	IT7324	6812	-	TU
Broad-Band Horn Antenna 1-10GHz N	Schwarzbeck	BBHA9120B	6825	12	14-Sep-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6846	12	23-Oct-2026
8m SMA-Type Cable	Junkosha	MWX221-08000AMSAMS/B	6850	12	23-Oct-2026
Cable Assembly	SpecTech	PE300-60	6859	-	TU
Cable Assembly	SpecTech	PE300-60	6860	-	TU
Cable Assembly	SpecTech	PE300-60	6861	-	TU
Cable Assembly	SpecTech	PE300-60	6863	-	TU
SAC Switch Unit	TUV SUD	TUV_SSU_004 PLC	6886	12	02-Dec-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6975	12	05-Apr-2026
RF Amplifier BROADBAND AMPL/SMA/RoHS	Mini-Circuits	ZX60-83LN12+	6979	12	05-Apr-2026

Table 185

TU - Traceability Unscheduled



2.6 Power Spectral Density

2.6.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (e)
ISED RSS-247, Clause 6.3.1
ISED RSS-GEN, Clause 6.12

2.6.2 Equipment Under Test and Modification State

A3428, S/N: G9F4Y6NJ31 - Modification State 0

2.6.3 Date of Test

19-December-2025 to 08-January-2026

2.6.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 11.10.2.

Where the EUT duty cycle was < 98 % and repeatable within 2 %, the spectrum analyser was set to trace (power) averaging and a duty cycle correction was added as calculated in the result tables below (Method AVGPS-2).

MIMO output port summing was performed in accordance with KDB 662911 D01 E)2)b).

2.6.5 Environmental Conditions

Ambient Temperature	24.5 - 25.2 °C
Relative Humidity	42.4 - 53.1 %



2.6.6 Test Results

2.4 GHz Bluetooth DTS

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-7.74	-	-	-	-	8.00	-15.74
2441	3.0	-8.56	-	-	-	-	8.00	-16.56
2480	3.0	-7.81	-	-	-	-	8.00	-15.81

Table 186 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-10.44	-	-	-	-	8.00	-18.44
2441	3.0	-9.96	-	-	-	-	8.00	-17.96
2476	3.0	-10.42	-	-	-	-	8.00	-18.42

Table 187 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-14.47	-	-	-	-	8.00	-22.47
2441	3.0	-15.10	-	-	-	-	8.00	-23.10
2478	3.0	-15.21	-	-	-	-	8.00	-23.21

Table 188 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.2
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-16.22	-	-	-	-	8.00	-24.22
2441	3.0	-16.65	-	-	-	-	8.00	-24.65
2475	3.0	-16.17	-	-	-	-	8.00	-24.17

Table 189 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-9.90	-	-	-	-	8.00	-17.90
2440	3.0	-10.73	-	-	-	-	8.00	-18.73
2480	3.0	-10.16	-	-	-	-	8.00	-18.16

Table 190 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-7.94	-	-	-	8.00	-15.94
2441	3.0	-	-7.87	-	-	-	8.00	-15.87
2480	3.0	-	-7.78	-	-	-	8.00	-15.78

Table 191 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	77.9
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-10.39	-	-	-	8.00	-18.39
2441	3.0	-	-10.43	-	-	-	8.00	-18.43
2476	3.0	-	-11.00	-	-	-	8.00	-19.00

Table 192 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-14.64	-	-	-	8.00	-22.64
2441	3.0	-	-14.51	-	-	-	8.00	-22.51
2478	3.0	-	-15.08	-	-	-	8.00	-23.08

Table 193 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.3
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-16.47	-	-	-	8.00	-24.47
2441	3.0	-	-16.64	-	-	-	8.00	-24.64
2475	3.0	-	-17.11	-	-	-	8.00	-25.11

Table 194 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-10.25	-	-	-	8.00	-18.25
2440	3.0	-	-10.19	-	-	-	8.00	-18.19
2480	3.0	-	-10.09	-	-	-	8.00	-18.09

Table 195 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.00

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-	-4.67	-	-	8.00	-12.67
2441	3.0	-	-	-3.64	-	-	8.00	-11.64
2480	3.0	-	-	-3.90	-	-	8.00	-11.90

Table 196 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.00

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-	-6.67	-	-	8.00	-14.67
2441	3.0	-	-	-6.01	-	-	8.00	-14.01
2476	3.0	-	-	-6.64	-	-	8.00	-14.64

Table 197 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 8PSK (HDT4)	Duty Cycle (%):	93.8
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.00

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-	-10.95	-	-	8.00	-18.95
2441	3.0	-	-	-10.16	-	-	8.00	-18.16
2478	3.0	-	-	-10.63	-	-	8.00	-18.63

Table 198 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.00

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-	-12.60	-	-	8.00	-20.60
2441	3.0	-	-	-12.67	-	-	8.00	-20.67
2475	3.0	-	-	-13.06	-	-	8.00	-21.06

Table 199 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	iPA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	C (Core 2)	Peak Antenna Gain (dBi):	5.00

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	-	-10.32	-	-	8.00	-18.32
2440	3.0	-	-	-10.60	-	-	8.00	-18.60
2480	3.0	-	-	-10.74	-	-	8.00	-18.74

Table 200 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	1.63	-	-	-	-	8.00	-6.37
2441	3.0	2.13	-	-	-	-	8.00	-5.87
2480	3.0	2.06	-	-	-	-	8.00	-5.94

Table 201 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-3.17	-	-	-	-	8.00	-11.17
2441	3.0	-3.35	-	-	-	-	8.00	-11.35
2476	3.0	-3.27	-	-	-	-	8.00	-11.27

Table 202 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 8PSK (HDT4)	Duty Cycle (%):	93.4
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-7.30	-	-	-	-	8.00	-15.30
2441	3.0	-7.09	-	-	-	-	8.00	-15.09
2478	3.0	-7.21	-	-	-	-	8.00	-15.21

Table 203 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA 16QAM (HDRPM12)	Duty Cycle (%):	93.1
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-7.88	-	-	-	-	8.00	-15.88
2441	3.0	-8.10	-	-	-	-	8.00	-16.10
2475	3.0	-7.75	-	-	-	-	8.00	-15.75

Table 204 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA GFSK (LE 1M)	Duty Cycle (%):	84.7
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	A (Core 0)	Peak Antenna Gain (dBi):	5.80

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-2.12	-	-	-	-	8.00	-10.12
2440	3.0	-2.08	-	-	-	-	8.00	-10.08
2480	3.0	-2.10	-	-	-	-	8.00	-10.10

Table 205 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (2-DH5)	Duty Cycle (%):	76.6
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2402	3.0	-	2.19	-	-	-	8.00	-5.81
2441	3.0	-	2.07	-	-	-	8.00	-5.93
2480	3.0	-	2.03	-	-	-	8.00	-5.97

Table 206 - Maximum Power Spectral Density Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (e) RSS-247 6.3.1	Test Method(s):	C63.10 11.10.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	ePA $\pi/4$ DQPSK (8-DH5)	Duty Cycle (%):	78.0
Antenna Configuration:	SISO	DCCF (dB):	-
Active Port(s):	B (Core 1)	Peak Antenna Gain (dBi):	2.20

Test Frequency (MHz)	RBW (kHz)	PSD (dBm/RBW)					Limit (dBm/3 kHz)	Margin (dB)
		A	B	C	D	Σ		
2404	3.0	-	-3.20	-	-	-	8.00	-11.20
2441	3.0	-	-3.32	-	-	-	8.00	-11.32
2476	3.0	-	-3.27	-	-	-	8.00	-11.27

Table 207 - Maximum Power Spectral Density Results