

FCC and ISED Test Report

Apple Inc
Model: A3468



In accordance with FCC 47 CFR Part 15C,
ISED RSS-247 and ISED RSS-GEN
(Thread)

Prepared for: Apple Inc
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SIGNATURE

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Steven White	Senior Technical Specialist	Authorised Signatory	29 September 2026

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN. The sample tested was found to comply with the requirements defined in the applied rules.

RESPONSIBLE FOR	NAME	DATE	SIGNATURE
Report Generation	Rachael Watkins	29 September 2026	

FCC Accreditation

553713/UK2026 Concorde Park, Fareham Test Laboratory

ISED Accreditation

28798/UK0003 Concorde Park, Fareham Test Laboratory

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with FCC 47 CFR Part 15C: 2025, ISED RSS-247: Issue 4 (2025-07), ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02) for the tests detailed in section 1.3.



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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	29 September 2026

Table 1

1.2 Introduction

Applicant	Apple Inc
Manufacturer	Apple Inc
EUT/Sample Identification	Refer to section 1.6
Test Specification/Issue/Date	FCC 47 CFR Part 15C: 2025 ISED RSS-247: Issue 4 (2025-07) ISED RSS-GEN: Issue 5 (2018-04) + A2 (2021-02)
Start of Test	27-July-2026
Finish of Test	20-September-2026
;Name of Engineer(s)	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair, Jayvir Makwana, Elliot Callender, Arjun Sasikumar, Dulanjan Witharamalage, Manohar Thota, Gridi Bilali, Colin Brain, Tony Baby, Nathan Ocom.
Related Document(s)	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024



1.3 Brief Summary of Results

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 15C, ISED RSS-247 and ISED RSS-GEN is shown below.

Section	Specification Clause			Test Description	Result	Comments/Base Standard
	Part 15C	RSS-247	RSS-GEN			
Configuration and Mode: Thread						
-	15.203	-	-	Antenna Requirement	N/T	The device complies with the provisions of this section, as it uses permanently attached integral antennas.
2.1	15.205	2.4	8.10	Restricted Band Edges	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.2	15.247 (a)(2)	6.3.1	6.7	Emission Bandwidth	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.3	15.247 (b)	6.3.2	6.12	Maximum Conducted Output Power	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.4	15.247 (d)	6.6	-	Authorised Band Edges	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.5	15.209 and 15.247 (d)	2.4 and 6.6	6.13 and 8.9	Spurious Radiated Emissions	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024
2.6	15.247 (e)	6.3.1	6.12	Power Spectral Density	Pass	ANSI C63.10-2020 +Cor.1-2023+C63.10a-2024

Table 2



1.4 Product Information

1.4.1 Technical Description

The equipment under test (EUT) was a portable laptop computer.

1.4.2 Test Modes

The EUT's 2.4 GHz Thread radio supports SISO operation on three different cores and has two power settings: Lower Power "iPA" & High Power "ePA, with operation on Core 2 limited to Lower Power "iPA"

The EUT uses different output power per core, and the antenna gains vary, resulting in a different radiated powers per core.

The EUT was tested in the following modes:

SISO modes:

iPA/ePA - Core 0

iPA/ePA - Core 1

iPA - Core 2

1.4.3 Test Setup

For conducted tests the EUT antennas were disconnected and replaced with U. FL to SMA test cables to enable conducted testing on each core. The loss of these test cables were known and compensated for in any conducted measurements.

For all tests the EUT was put into a continuous transmit test mode with the chipset manufacturer's test commands to ensure the measured signals were representative.

All testing was performed with the EUT powered via a 120 V AC, 60 Hz source

1.4.4 Antenna Gain Table

Antenna Port	Frequency Range (MHz)	Peak Gain (dBi)	Conducted Cable Loss (dB)
Core 0 (WF1)	2402	4.1	0.71
	2441	3.9	0.71
	2480	3.1	0.71
Core 1 (WF3)	2402	4.4	0.71
	2441	4.1	0.71
	2480	3.8	0.71
Core 2 (WF2)	2402	3.4	0.71
	2441	5.4	0.71
	2480	4.7	0.71

Table 3



1.5 Deviations from the Standard

No deviations from the applicable test standard were made during testing.

1.6 Identification of the EUT

The table below details identification of the EUT(s) that have been used to carry out the testing within this report.

Model: A3468		
Serial Number	Hardware Version	Software Version
C7326RXHKY	REV1.0	26A300
CFM3XX2DWM	REV1.0	26A300
D9RD9N9N0R	REV1.0	26A300
D6669733D2	REV1.0	26A300

Table 4

1.7 EUT Modification Record

The table below details modifications made to the EUT during the test programme.

The modifications incorporated during each test are recorded on the appropriate test pages.

Modification State	Description of Modification still fitted to EUT	Modification Fitted By	Date Modification Fitted
Model: A3468, Serial Number: C7326RXHKY			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: CFM3XX2DWM			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: D9RD9N9N0R			
0	As supplied by the customer	Not Applicable	Not Applicable
Model: A3468, Serial Number: D6669733D2			
0	As supplied by the customer	Not Applicable	Not Applicable

Table 5



1.8 Test Location

TÜV SÜD conducted the following tests at our Concorde Park Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: Thread		
Restricted Band Edges	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair	UKAS
Emission Bandwidth	Jayvir Makwana, Elliot Callender, Arjun Sasikumar	UKAS
Maximum Conducted Output Power	Jayvir Makwana, Elliot Callender, Arjun Sasikumar	UKAS
Authorised Band Edges	Vineeth Nagaraj, Akhil Rajendran Bhaskaran Nair	UKAS
Spurious Radiated Emissions	Dulanjan Witharamalage, Manohar Thota, Gridi Bilali, Colin Brain, Tony Baby, Nathan Ocom	UKAS
Power Spectral Density	Jayvir Makwana, Elliot Callender, Arjun Sasikumar	UKAS

Table 6

Office Address:

TÜV SÜD
Concorde Park
Concorde Way
Fareham
Hampshire
PO15 5FG
United Kingdom



2 Test Details

2.1 Restricted Band Edges

2.1.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.205
ISED RSS-247, Clause 2.4
ISED RSS-GEN, Clause 8.10

2.1.2 Equipment Under Test and Modification State

A3468, S/N: D9RD9N9N0R - Modification State 0

2.1.3 Date of Test

27-July-2026

2.1.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 6.10.5 and 11.12.1.

Plots for average measurements were taken in accordance with ANSI C63.10, clause 11.12.2.5.2.

The following conversion can be applied to convert from dB μ V/m to μ V/m:

$10^{(\text{Field Strength in dB}\mu\text{V/m}/20)}$.

2.1.5 Environmental Conditions

Ambient Temperature	23.4 - 24.6 °C
Relative Humidity	36.3 - 41.5 %

2.1.6 Test Results

Thread

iPA - Core 0 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBuV/m)	Average Level (dBuV/m)
Thread	2405	2390	55.38	43.59
Thread	2475	2483.5	54.57	42.70

Table 7 - iPA, Core 0, SISO Restricted Band Edge Results

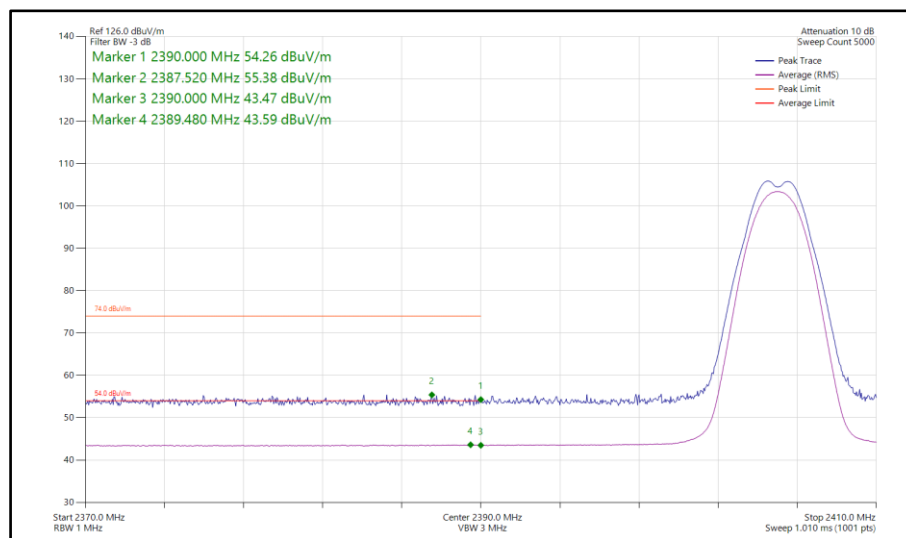


**Figure 1 - Thread, iPA, SISO, Core 0 - 2405 MHz
Band Edge Frequency 2390 MHz**

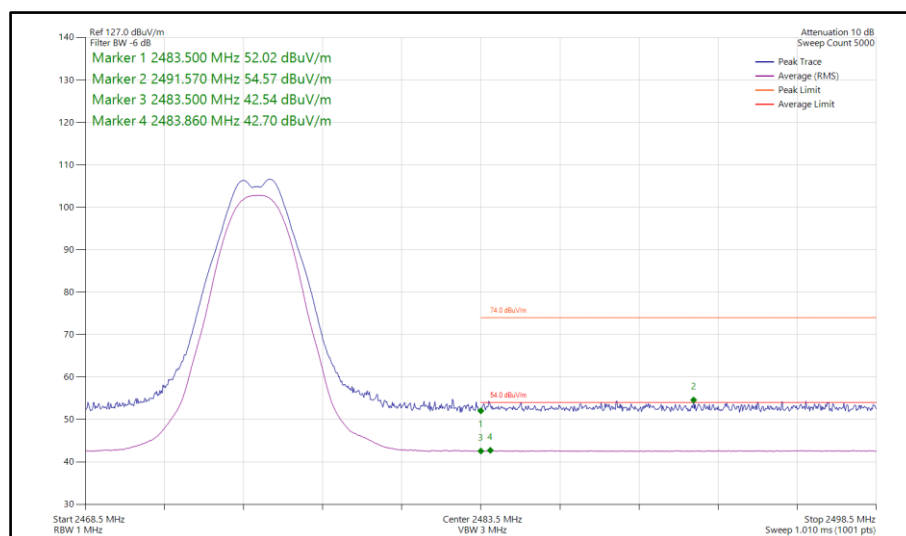


**Figure 2 - Thread, iPA, SISO, Core 0 - 2475 MHz
Band Edge Frequency 2483.5 MHz**



iPA - Core 1 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
Thread	2405	2390	55.53	43.51
Thread	2475	2483.5	55.39	42.69

Table 8 - iPA, Core 1, SISO Restricted Band Edge Results

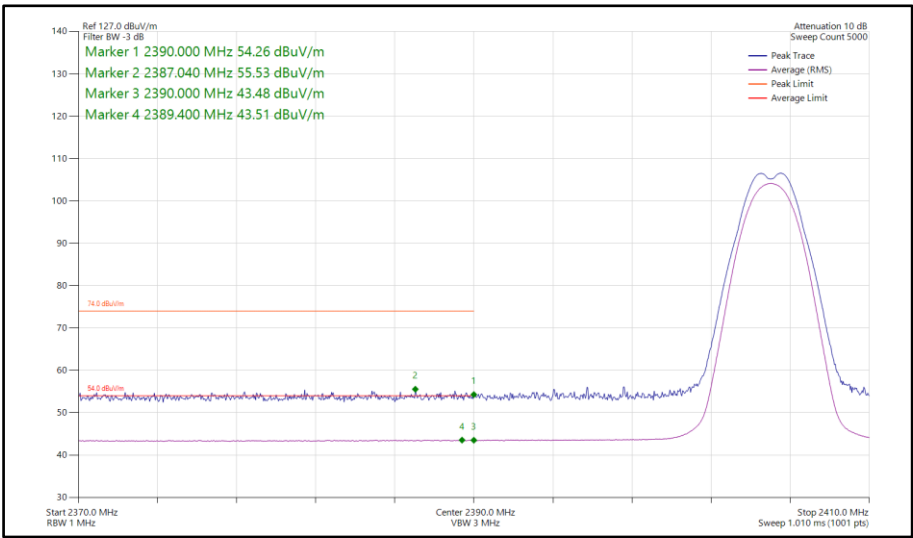


Figure 3 - Thread, iPA, SISO, Core 1 - 2405 MHz
Band Edge Frequency 2390 MHz

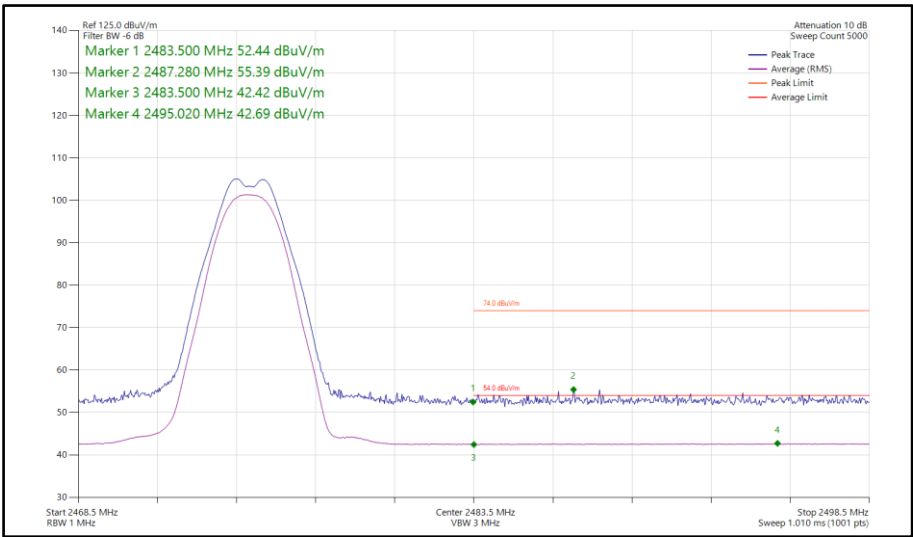


Figure 4 - Thread, iPA, SISO, Core 1 - 2475 MHz
Band Edge Frequency 2483.5 MHz

iPA - Core 2 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dB μ V/m)	Average Level (dB μ V/m)
Thread	2405	2390	55.91	43.56
Thread	2475	2483.5	54.91	42.76

Table 9 - iPA, Core 2, SISO Restricted Band Edge Results

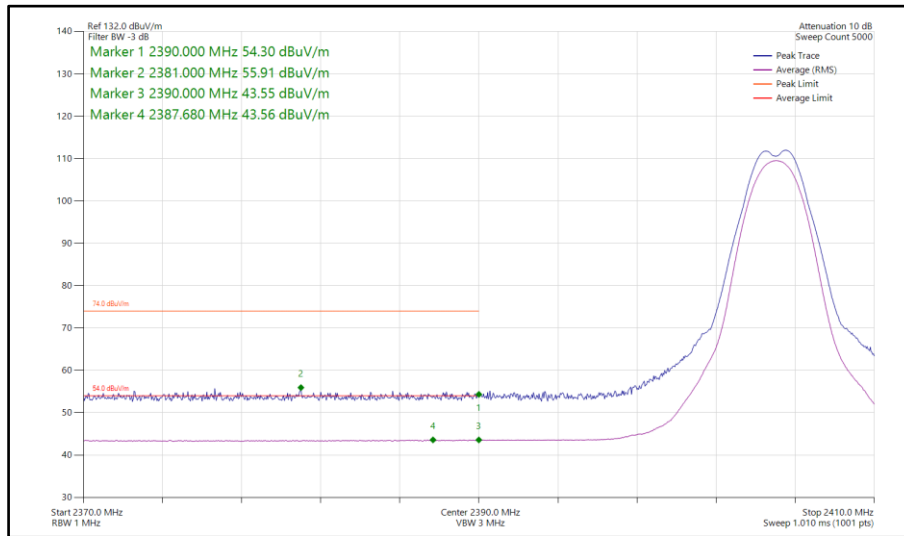


**Figure 5 - Thread, iPA, SISO, Core 2 - 2405 MHz
Band Edge Frequency 2390 MHz**

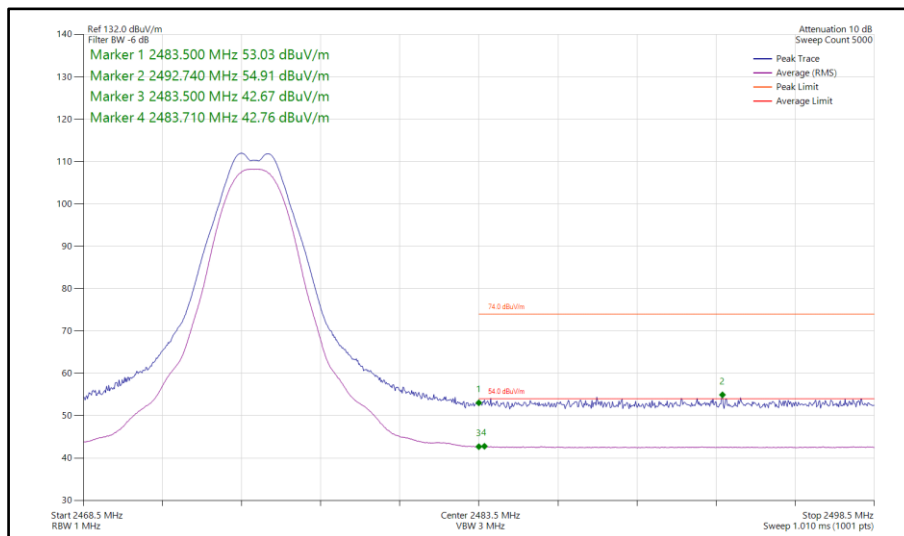


**Figure 6 - Thread, iPA, SISO, Core 2 - 2475 MHz
Band Edge Frequency 2483.5 MHz**

ePA - Core 0 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dB μ V/m)	Average Level (dB μ V/m)
Thread	2405	2390	56.14	44.29
Thread	2475	2483.5	55.30	44.17

Table 10 - ePA, Core 0, SISO Restricted Band Edge Results

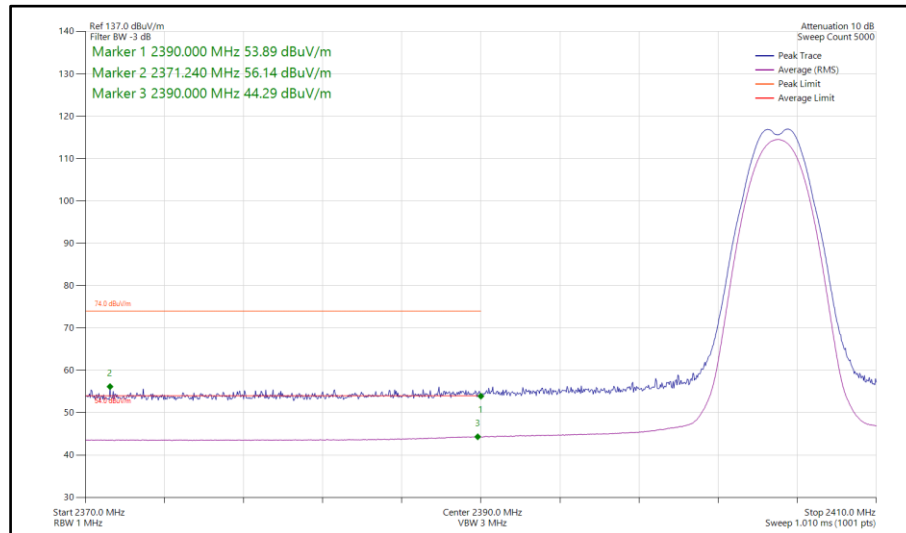


**Figure 7 - Thread, ePA, SISO, Core 0 - 2405 MHz
Band Edge Frequency 2390 MHz**

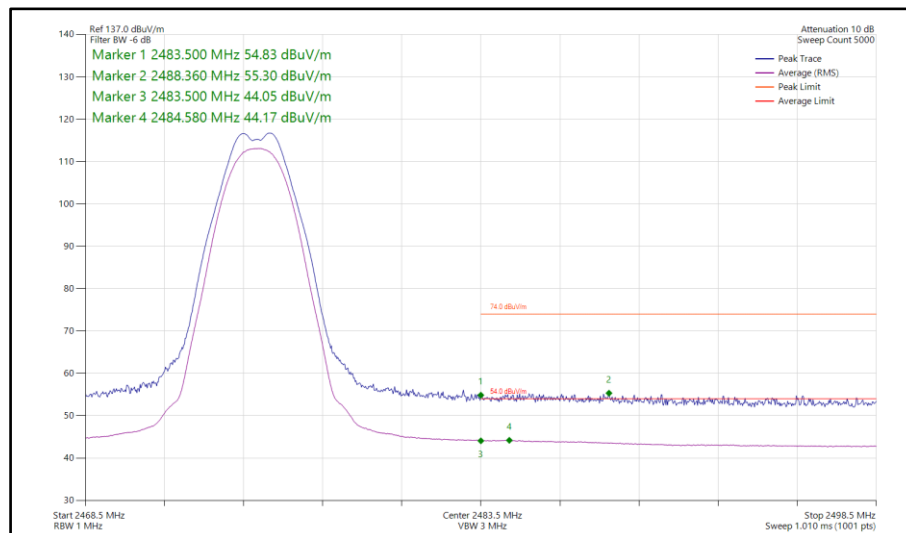


**Figure 8 - Thread, ePA, SISO, Core 0 - 2475 MHz
Band Edge Frequency 2483.5 MHz**

ePA - Core 1 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Peak Level (dBμV/m)	Average Level (dBμV/m)
Thread	2405	2390	55.76	44.38
Thread	2475	2483.5	55.67	43.86

Table 11 - ePA, Core 1, SISO Restricted Band Edge Results

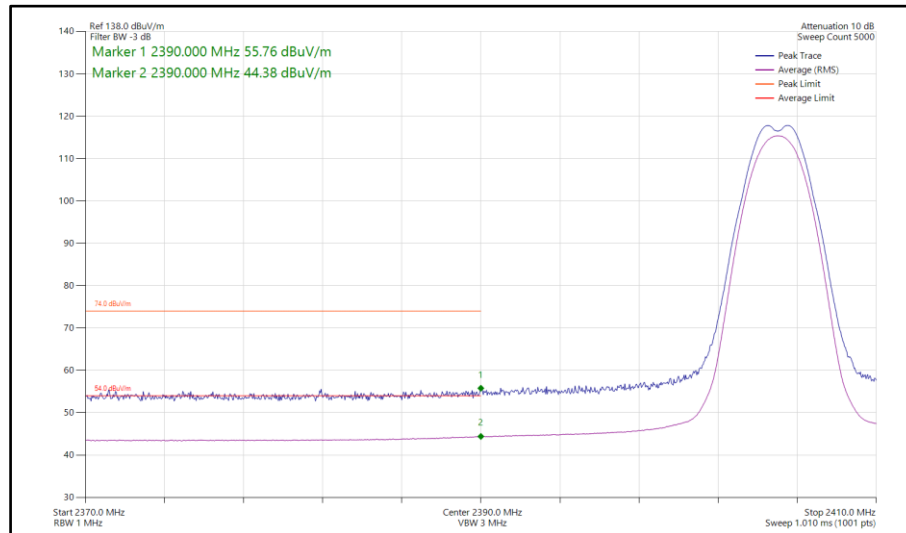


**Figure 9 - Thread, ePA, SISO, Core 1 - 2405 MHz
Band Edge Frequency 2390 MHz**

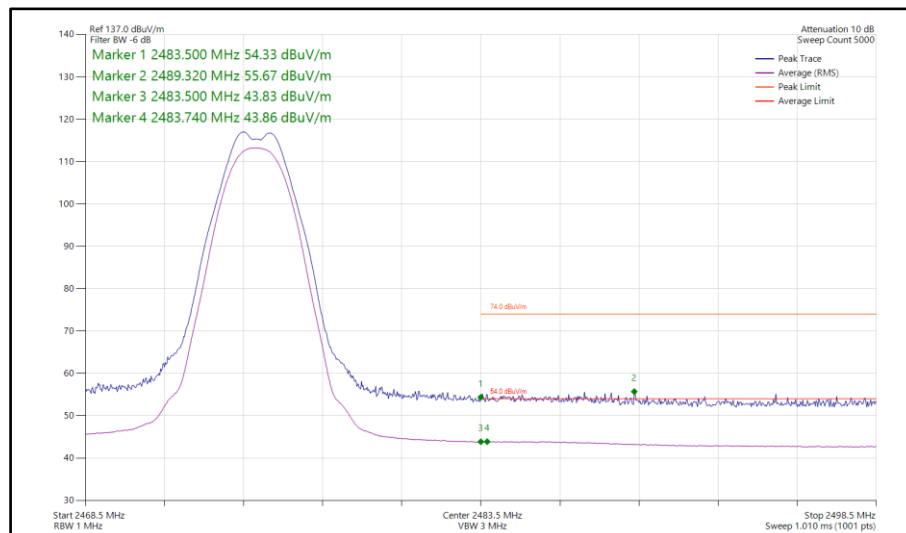


**Figure 10 - Thread, ePA, SISO, Core 1 - 2475 MHz
Band Edge Frequency 2483.5 MHz**



FCC 47 CFR Part 15, Limit Clause 15.209

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 12

ISED RSS-GEN, Limit Clause 8.9

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960*	500

Table 13

*Unless otherwise specified, for all frequencies greater than 1 GHz, the radiated emission limits for licence-exempt radio apparatus stated in applicable RSSs (including RSS-Gen) are based on measurements using a linear average detector function having a minimum resolution bandwidth of 1 MHz. If an average limit is specified for the EUT, then the peak emission shall also be measured with instrumentation properly adjusted for such factors as pulse desensitization to ensure the peak emission is less than 20 dB above the average limit.



2.1.7 Test Location and Test Equipment Used

This test was carried out in RF Chamber 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3 V.	5125	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
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
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	21-Sep-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6146	12	03-Jun-2027
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	08-May-2027
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	18-Aug-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6840	12	23-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6845	12	06-Sep-2026
Humidity & Temperature meter	Fluke	971	7103	12	19-Aug-2026

Table 14

TU - Traceability Unscheduled



2.2 Emission Bandwidth

2.2.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (a)(2)
ISED RSS-247, Clause 6.3.1
ISED RSS-GEN, Clause 6.7

2.2.2 Equipment Under Test and Modification State

A3468, S/N: D6669733D2 - Modification State 0

2.2.3 Date of Test

20-September-2026

2.2.4 Test Method

This test was performed in accordance with ANSI C63.10, clause 11.8.1 for 6 dB BW and 6.9.3 for 99% occupied bandwidth measurements.

2.2.5 Environmental Conditions

Ambient Temperature	21.7 °C
Relative Humidity	44.8 %

2.2.6 Test Results

Thread

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread iPA	Duty Cycle (%):	-
	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	1.640	-	-	-	≥500.0
2440	1.632	-	-	-	≥500.0
2475	1.640	-	-	-	≥500.0

Table 15 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	2.240	-	-	-	-
2440	2.232	-	-	-	-
2475	2.232	-	-	-	-

Table 16 - 99% Bandwidth Results

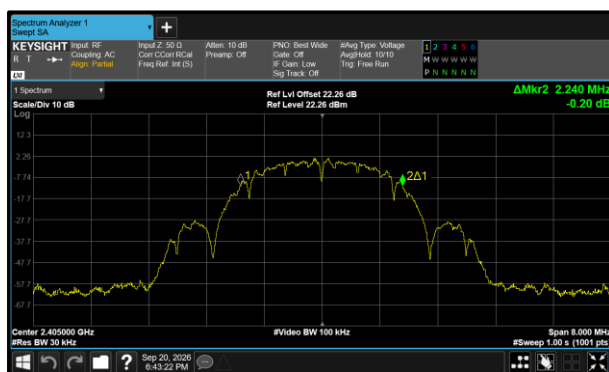


Figure 11 - Core 0 (A) 2405 MHz (CH11) 99% Bandwidth

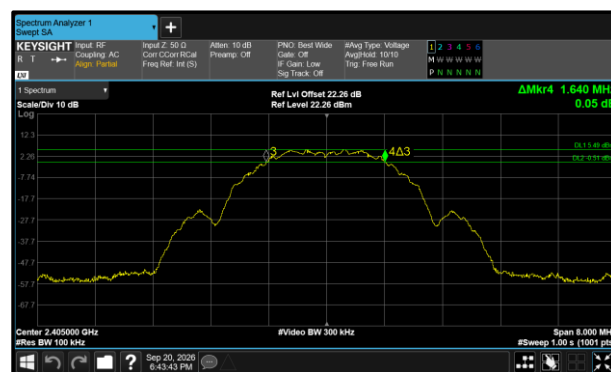


Figure 12 - Core 0 (A) 2405 MHz (CH11) 6 dB Bandwidth



Figure 13 - Core 0 (A) 2440 MHz (CH18) 99% Bandwidth

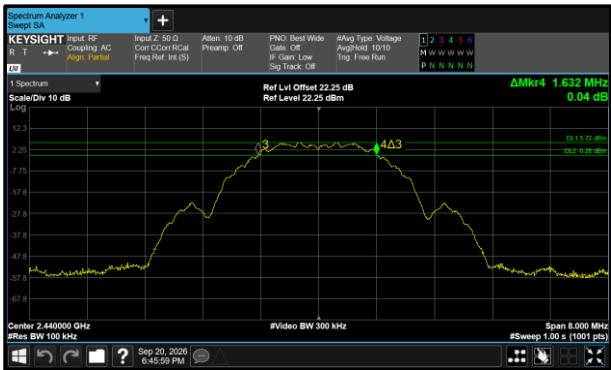


Figure 14 - Core 0 (A) 2440 MHz (CH18) 6 dB Bandwidth



Figure 15 - Core 0 (A) 2475 MHz (CH25) 99% Bandwidth

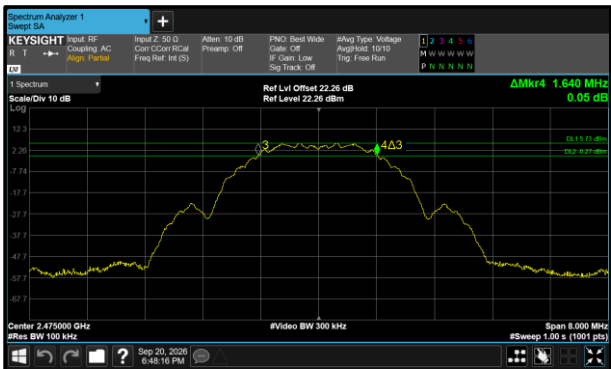


Figure 16 - Core 0 (A) 2475 MHz (CH25) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread iPA	Duty Cycle (%):	-
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	-	1.640	-	-	≥500.0
2440	-	1.632	-	-	≥500.0
2475	-	1.640	-	-	≥500.0

Table 17 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	-	2.240	-	-	-
2440	-	2.232	-	-	-
2475	-	2.240	-	-	-

Table 18 - 99% Bandwidth Results



Figure 17 - Core 1 (B) 2405 MHz (CH11) 99% Bandwidth

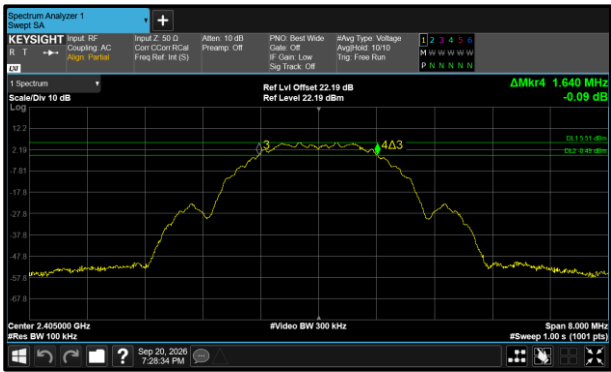


Figure 18 - Core 1 (B) 2405 MHz (CH11) 6 dB Bandwidth



Figure 19 - Core 1 (B) 2440 MHz (CH18) 99% Bandwidth

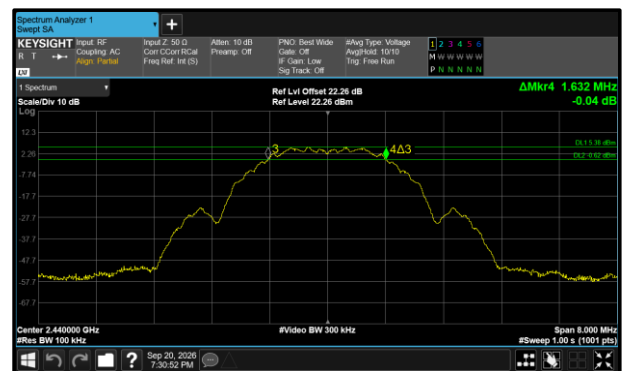


Figure 20 - Core 1 (B) 2440 MHz (CH18) 6 dB Bandwidth



Figure 21 - Core 1 (B) 2475 MHz (CH25) 99% Bandwidth

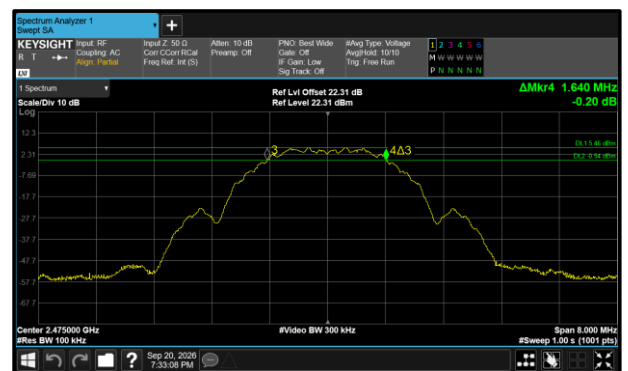


Figure 22 - Core 1 (B) 2475 MHz (CH25) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread iPA	Duty Cycle (%):	-
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	C (Core 2)	Active Chain(s):	2

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	-	-	1.640	-	≥500.0
2440	-	-	1.640	-	≥500.0
2475	-	-	1.640	-	≥500.0

Table 19 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	-	-	2.240	-	-
2440	-	-	2.240	-	-
2475	-	-	2.240	-	-

Table 20 - 99% Bandwidth Results

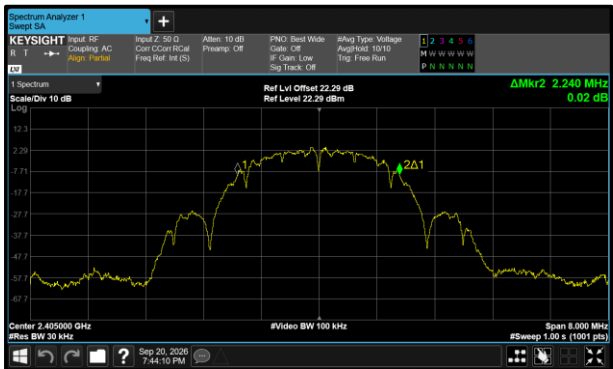


Figure 23 - Core 2 (C) 2405 MHz (CH11) 99% Bandwidth

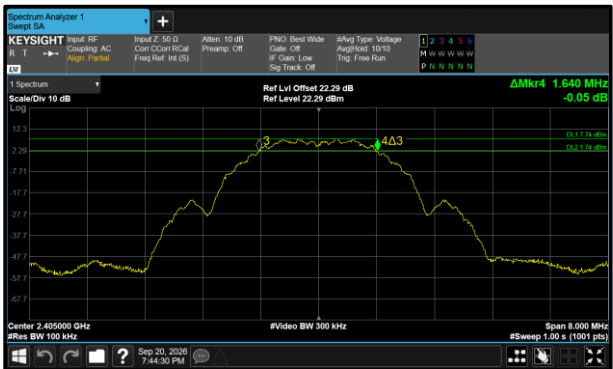


Figure 24 - Core 2 (C) 2405 MHz (CH11) 6 dB Bandwidth



Figure 25 - Core 2 (C) 2440 MHz (CH18) 99% Bandwidth



Figure 26 - Core 2 (C) 2440 MHz (CH18) 6 dB Bandwidth



Figure 27 - Core 2 (C) 2475 MHz (CH25) 99% Bandwidth

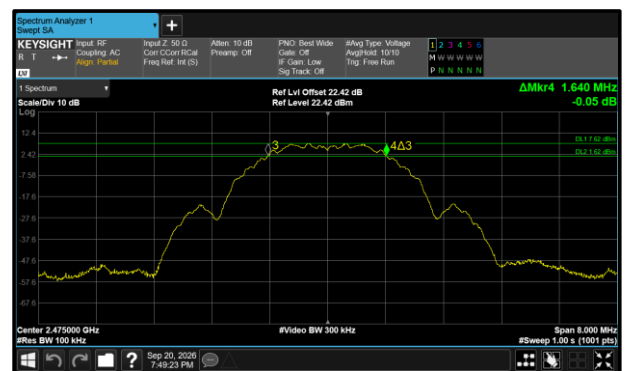


Figure 28 - Core 2 (C) 2475 MHz (CH25) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread ePA	Duty Cycle (%):	-
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	1.616	-	-	-	≥500.0
2440	1.608	-	-	-	≥500.0
2475	1.608	-	-	-	≥500.0

Table 21 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	2.208	-	-	-	-
2440	2.200	-	-	-	-
2475	2.200	-	-	-	-

Table 22 - 99% Bandwidth Results

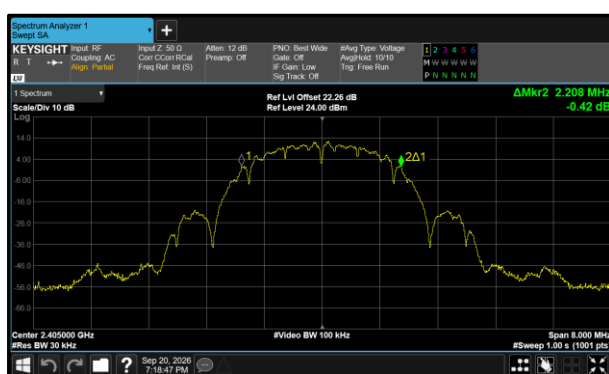


Figure 29 - Core 0 (A) 2405 MHz (CH11) 99% Bandwidth



Figure 30 - Core 0 (A) 2405 MHz (CH11) 6 dB Bandwidth

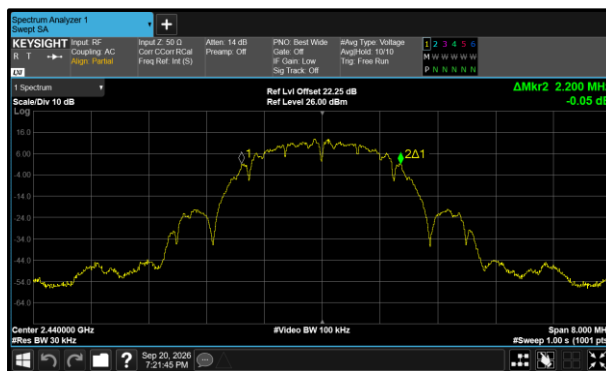


Figure 31 - Core 0 (A) 2440 MHz (CH18) 99% Bandwidth



Figure 32 - Core 0 (A) 2440 MHz (CH18) 6 dB Bandwidth

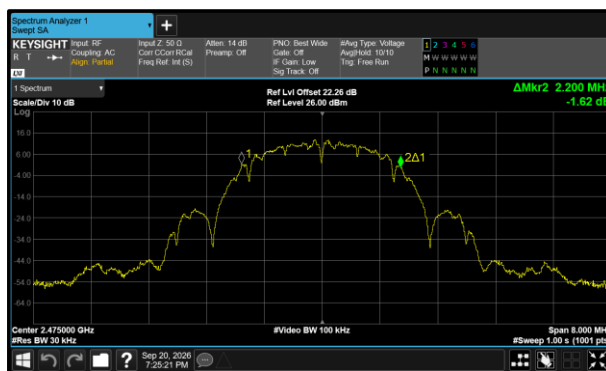


Figure 33 - Core 0 (A) 2475 MHz (CH25) 99% Bandwidth

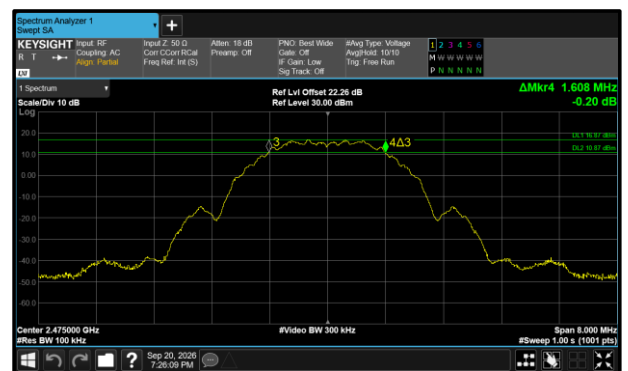


Figure 34 - Core 0 (A) 2475 MHz (CH25) 6 dB Bandwidth



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (a)(2) RSS-247 6.3.1	Test Method(s):	C63.10 6.9.3 C63.10 6.9.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread ePA	Duty Cycle (%):	-
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	-
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	-	1.616	-	-	≥500.0
2440	-	1.616	-	-	≥500.0
2475	-	1.616	-	-	≥500.0

Table 23 - 6 dB Bandwidth Results

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	A	B	C	D	
2405	-	2.208	-	-	-
2440	-	2.200	-	-	-
2475	-	2.200	-	-	-

Table 24 - 99% Bandwidth Results

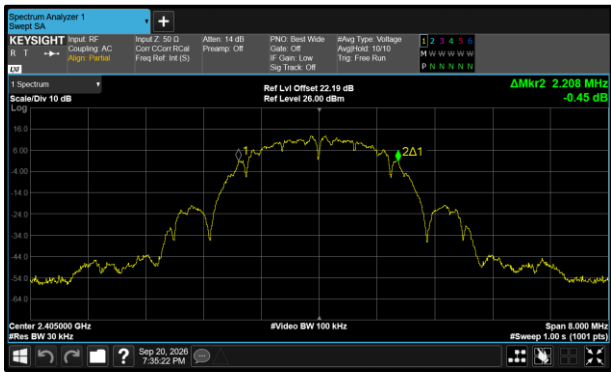


Figure 35 - Core 1 (B) 2405 MHz (CH11) 99% Bandwidth

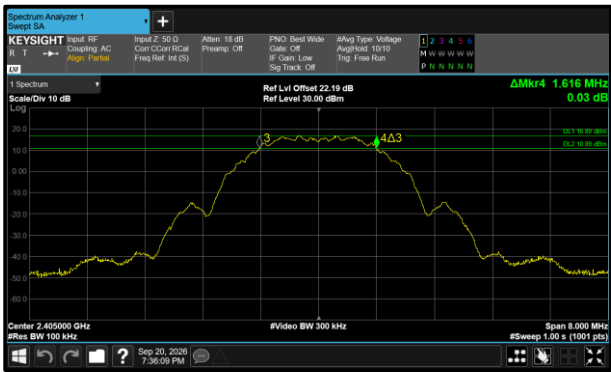


Figure 36 - Core 1 (B) 2405 MHz (CH11) 6 dB Bandwidth

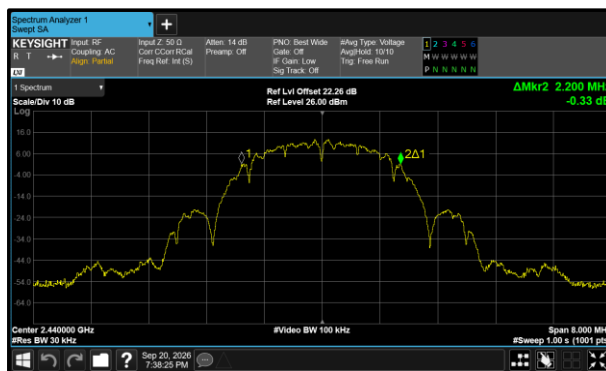


Figure 37 - Core 1 (B) 2440 MHz (CH18) 99% Bandwidth



Figure 38 - Core 1 (B) 2440 MHz (CH18) 6 dB Bandwidth

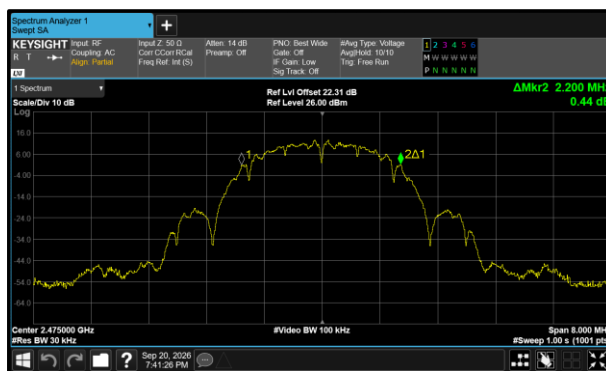


Figure 39 - Core 1 (B) 2475 MHz (CH25) 99% Bandwidth

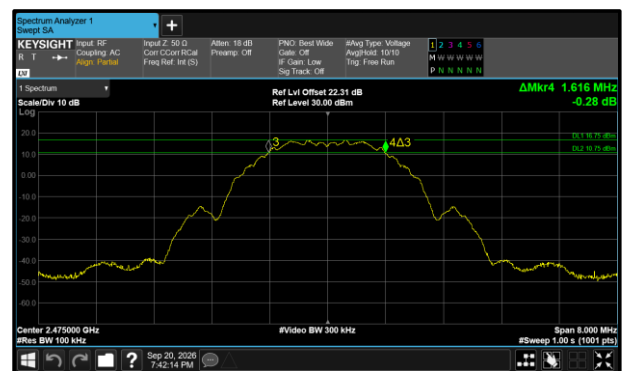


Figure 40 - Core 1 (B) 2475 MHz (CH25) 6 dB Bandwidth

FCC 47 CFR Part 15, Limit Clause 15.247(a)(2) and ISED RSS-247, Clause 6.3.1(a)

The minimum 6 dB bandwidth shall be at least 500 kHz.



2.2.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
USB Wideband Power Sensor	Boonton	RTP5008	5924	12	27-Feb-2027
Digital Multimeter	Fluke	115	6147	12	03-Jun-2027
MXA Signal Analyser	Keysight Technologies	N9020B	6419	24	16-Jun-2028
Humidity and Temperature Meter	R.S Components	1364	6486	12	23-Jul-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6517	12	25-Feb-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6526	12	25-Feb-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6527	12	25-Feb-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6528	12	25-Feb-2027
USB Wideband Power Sensor	Boonton	RTP5008	6585	12	27-Feb-2027
USB Wideband Power Sensor	Boonton	RTP5008	6586	12	27-Feb-2027
AC Programmable Power Supply	iTech	IT7324	6665	-	O/P Mon
DC Power Module	Keysight Technologies	N6754A	6666	-	O/P Mon
Modular Power System Mainframe	Keysight Technologies	N6701C	6667	-	O/P Mon

Table 25

O/P Mon - Output Monitored using calibrated equipment



2.3 Maximum Conducted Output Power

2.3.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (b)
ISED RSS-247, Clause 6.3.2
ISED RSS-GEN, Clause 6.12

2.3.2 Equipment Under Test and Modification State

A3468, S/N: D6669733D2 - Modification State 0

2.3.3 Date of Test

20-September-2026

2.3.4 Test Method

The test was performed in accordance with ANSI C63.10 clause 11.9.2.3.2 Method AVGPM-G

2.3.5 Environmental Conditions

Ambient Temperature	21.7 °C
Relative Humidity	44.8 %



2.3.6 Test Results

Thread

Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread iPA	Duty Cycle (%):	100.0
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	4.10
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2405	8.71	-	-	-	-	30.00	-21.29
2440	8.89	-	-	-	-	30.00	-21.11
2475	8.93	-	-	-	-	30.00	-21.07

Table 26 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2405	8.71	-	-	-	-	30.00	-21.29	12.81	36.00	-23.19
2440	8.89	-	-	-	-	30.00	-21.11	12.99	36.00	-23.01
2475	8.93	-	-	-	-	30.00	-21.07	13.03	36.00	-22.97

Table 27 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread iPA	Duty Cycle (%):	100.0
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	4.40
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2405	-	8.77	-	-	-	30.00	-21.23
2440	-	8.63	-	-	-	30.00	-21.37
2475	-	8.72	-	-	-	30.00	-21.28

Table 28 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2405	-	8.77	-	-	-	30.00	-21.23	13.17	36.00	-22.83
2440	-	8.63	-	-	-	30.00	-21.37	13.03	36.00	-22.97
2475	-	8.72	-	-	-	30.00	-21.28	13.12	36.00	-22.88

Table 29 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread iPA	Duty Cycle (%):	100.0
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	5.40
Active Port(s):	C (Core 2)	Active Chain(s):	2

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2405	-	-	10.84	-	-	30.00	-19.16
2440	-	-	10.69	-	-	30.00	-19.31
2475	-	-	10.77	-	-	30.00	-19.23

Table 30 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2405	-	-	10.84	-	-	30.00	-19.16	16.24	36.00	-19.76
2440	-	-	10.69	-	-	30.00	-19.31	16.09	36.00	-19.91
2475	-	-	10.77	-	-	30.00	-19.23	16.17	36.00	-19.83

Table 31 - ISED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread ePA	Duty Cycle (%):	100.0
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	4.10
Active Port(s):	A (Core 0)	Active Chain(s):	0

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2405	19.57	-	-	-	-	30.00	-10.43
2440	19.94	-	-	-	-	30.00	-10.06
2475	19.99	-	-	-	-	30.00	-10.01

Table 32 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2405	19.57	-	-	-	-	30.00	-10.43	23.67	36.00	-12.33
2440	19.94	-	-	-	-	30.00	-10.06	24.04	36.00	-11.96
2475	19.99	-	-	-	-	30.00	-10.01	24.09	36.00	-11.91

Table 33 - ISSED Maximum Conducted (average) Output Power Results



Test Configuration			
Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause(s):	15.247 (b)(3) RSS-247 6.3.2	Test Method(s):	C63.10 11.9.2.3.2
Additional Reference(s):	-		

DUT Configuration			
Mode:	Thread ePA	Duty Cycle (%):	100.0
-:	Thread	DCCF (dB):	-
Antenna Configuration:	SISO	Peak Antenna Gain (dBi):	4.40
Active Port(s):	B (Core 1)	Active Chain(s):	1

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)
	A	B	C	D	Σ		
2405	-	19.98	-	-	-	30.00	-10.02
2440	-	19.90	-	-	-	30.00	-10.10
2475	-	19.91	-	-	-	30.00	-10.09

Table 34 - FCC Maximum Conducted (average) Output Power Results

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	A	B	C	D	Σ					
2405	-	19.98	-	-	-	30.00	-10.02	24.38	36.00	-11.62
2440	-	19.90	-	-	-	30.00	-10.10	24.30	36.00	-11.70
2475	-	19.91	-	-	-	30.00	-10.09	24.31	36.00	-11.69

Table 35 - ISED Maximum Conducted (average) Output Power Results

FCC 47 CFR Part 15, Limit Clause 15.247 (b)(3)

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt.

ISED RSS-247, Limit Clause 6.3.2

For DTS operating in the band 902-928 MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W.

For DTS operating in the band 2400-2483.5 MHz, the maximum peak conducted output power shall not exceed 1W, and the e.i.r.p. shall not exceed 4 W, except as provided in RSS-247 section 6.5 a) and b).

As an alternative to a peak power measurement, compliance can be based on a measurement of the maximum conducted output power.



2.3.7 Test Location and Test Equipment Used

This test was carried out in RF Laboratory 14.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
USB Power Sensors, 50MHz to 8GHz	Boonton	RTP5008	5924	12	27-Feb-2027
Digital Multimeter	Fluke	115	6147	12	03-Jun-2027
MXA Signal Analyser	Keysight Technologies	N9020B	6419	24	16-Jun-2028
Humidity and Temperature Meter	R.S Components	1364	6486	12	23-Jul-2027
Signal Conditioning Unit	TUV SUD	SPECTRUM_SCU001	6517	12	25-Feb-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6526	12	25-Feb-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6527	12	25-Feb-2027
SCU Cable Assembly	TUV SUD	SPECTRUM_SCU_CA	6528	12	25-Feb-2027
USB Wideband Power Sensor	Boonton	RTP5008	6585	12	27-Feb-2027
USB Wideband Power Sensor	Boonton	RTP5008	6586	12	27-Feb-2027
AC Programmable Power Supply	iTech	IT7324	6665	-	O/P Mon
DC Power Module	Keysight Technologies	N6754A	6666	-	O/P Mon
Modular Power System Mainframe	Keysight Technologies	N6701C	6667	-	O/P Mon
Digital Thermometer	R.S Components	RS 5511	6739	12	02-Mar-2027
Thermostatic Chamber	Weiss Technik	LabEvent T/500/50/3	7317	24	O/P Mon

Table 36

O/P Mon - Output Monitored using calibrated equipment



2.4 Authorised Band Edges

2.4.1 Specification Reference

FCC 47 CFR Part 15C, Clause 15.247 (d)
ISED RSS-247, Clause 6.6

2.4.2 Equipment Under Test and Modification State

A3468, S/N: CFM3XX2DWM - Modification State 0

2.4.3 Date of Test

27-July-2026

2.4.4 Test Method

The test was performed in accordance with ANSI C63.10, clause 6.10.4.

2.4.5 Environmental Conditions

Ambient Temperature	23.4 - 24.6 °C
Relative Humidity	36.3 - 41.5 %



2.4.6 Test Results

Thread

iPA - Core 0 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Thread	2405	2400	-56.64

Table 37 - iPA, Core 0, SISO Authorised Band Edge Results

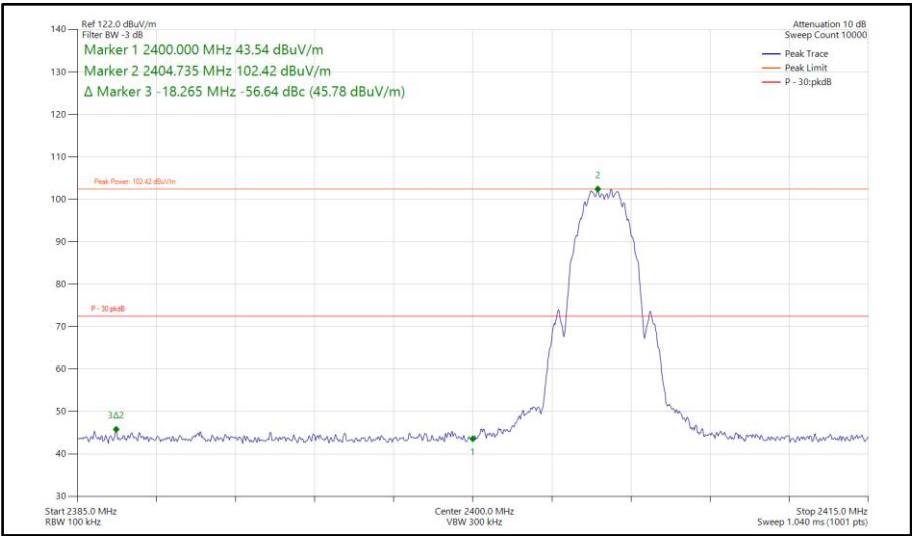


Figure 41 - Thread, iPA, SISO, Core 0 - 2405 MHz
Band Edge Frequency 2400 MHz



iPA - Core 1 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Thread	2405	2400	-57.20

Table 38 - iPA, Core 1, SISO Authorised Band Edge Results

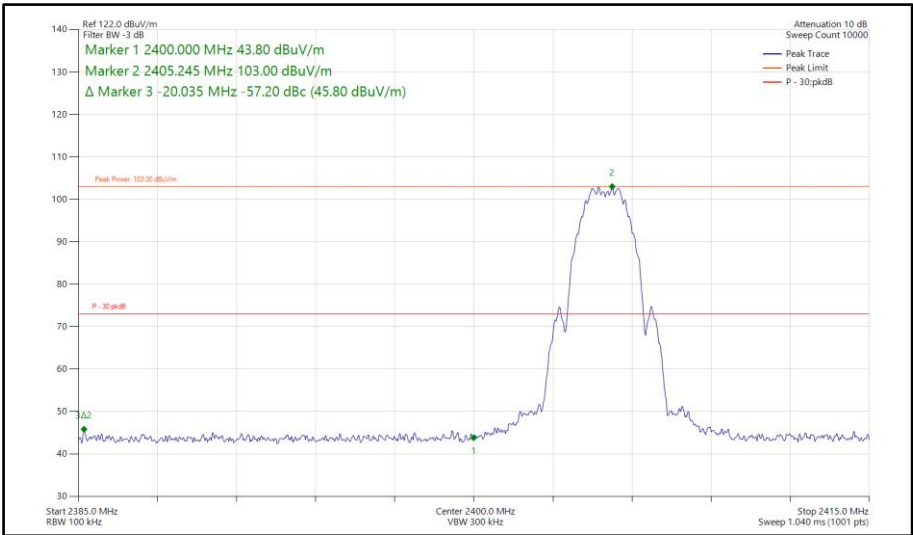


Figure 42 - Thread, iPA, SISO, Core 1 - 2405 MHz
Band Edge Frequency 2400 MHz



iPA - Core 2 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Thread	2405	2400	-59.30

Table 39 - iPA, Core 2, SISO Authorised Band Edge Results

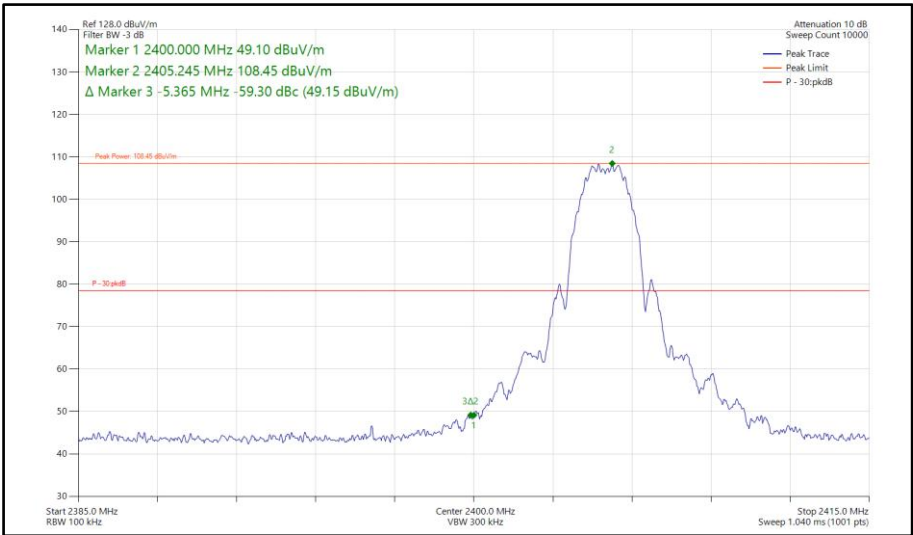


Figure 43 - Thread, iPA, SISO, Core 2 - 2405 MHz
Band Edge Frequency 2400 MHz



ePA - Core 0 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Thread	2405	2400	-65.91

Table 40 - ePA, Core 0, SISO Authorised Band Edge Results

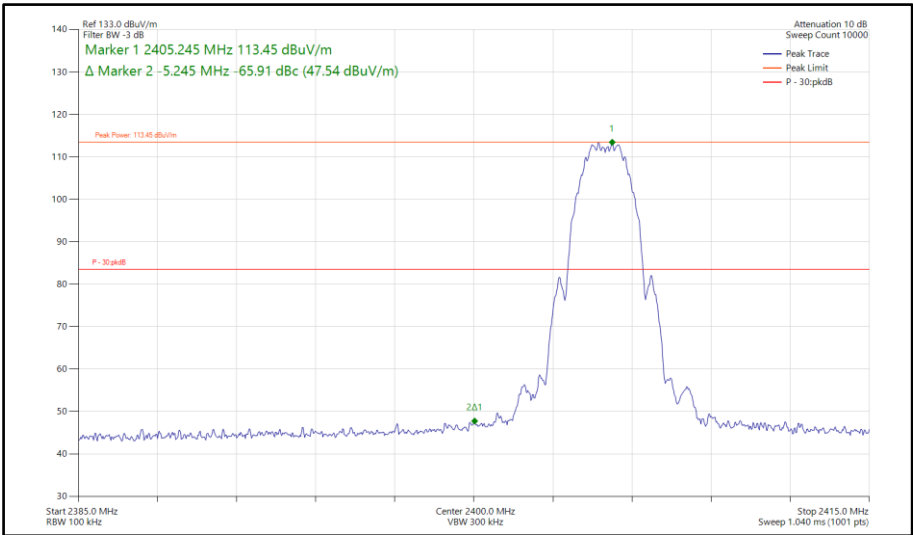


Figure 44 - Thread, ePA, SISO, Core 0 - 2405 MHz
Band Edge Frequency 2400 MHz

ePA - Core 1 (SISO)

Mode	TX Frequency (MHz)	Band Edge Frequency (MHz)	Level (dBc)
Thread	2405	2400	-65.62

Table 41 - ePA, Core 1, SISO Authorised Band Edge Results

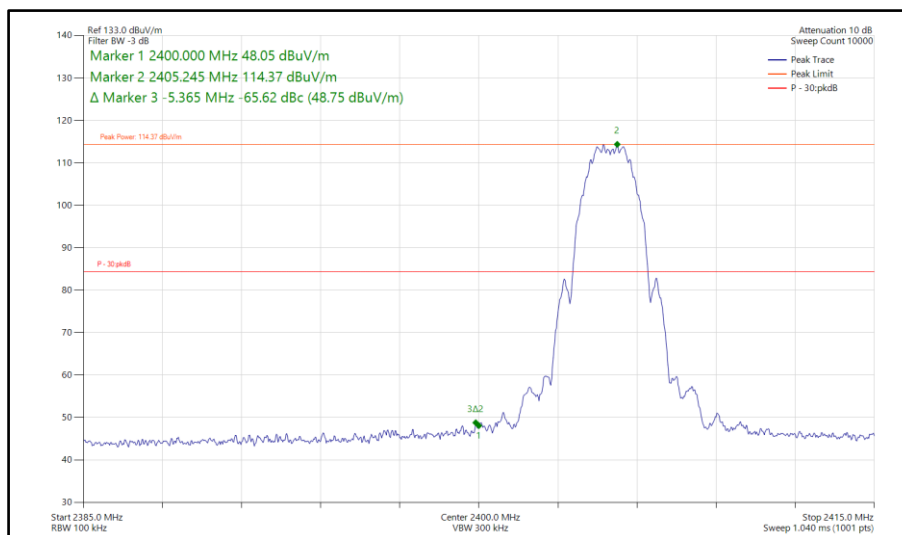


**Figure 45 - Thread, ePA, SISO, Core 1 - 2405 MHz
Band Edge Frequency 2400 MHz**

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 5.4(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 15.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Expiry Date
Emissions Software	TUV SUD	EmX V3.6.3 V.	5125	-	O/P Mon
1500W (300V 12A) AC Power Supply	iTech	IT7324	5956	-	O/P Mon
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
Horn Antenna (1-10 GHz)	Schwarzbeck	BBHA9120B	6141	12	14-Sep-2026
SAC Switch Unit	TUV SUD	TUV_SSU_001	6144	12	05-Dec-2026
Digital Multimeter	Fluke	115	6146	12	03-Jun-2027
EMC Test Receiver	Rohde & Schwarz	ESW44	6333	12	08-May-2027
8M SMA Cable	Junkosha	MWX221-08000AMSAMS/B	6833	12	18-Aug-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6840	12	23-Sep-2026
1m SMA-Type Cable	Junkosha	MWX221-01000AMSAMS/B	6845	12	06-Sep-2026
Humidity & Temperature meter	Fluke	971	7103	12	19-Aug-2026

Table 42

TU - Traceability Unscheduled



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

A3468, S/N: C7326RXHKY - Modification State 0
A3468, S/N: D9RD9N9N0R - Modification State 0

2.5.3 Date of Test

21-August-2026 to 03-September-2026

2.5.4 Test Method

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

Ports on the EUT were terminated with loads as described in ANSI C63.10 clause 6.2.3.

Pre-scans in the 30 MHz to 1 GHz & 18 GHz to 26GHz range were limited to mid channel (2440 MHz).

The plots shown are the characterisation of the EUT. The limits on the plots represent the most stringent case for restricted bands, (74/54 dBuV/m) when compared to 30 dBc outside restricted bands. The limits shown have been used as a threshold to determine where further measurements are necessary. Where results are within 20 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 dBuV/m to uV/m:
 $10^{(\text{Field Strength in dBuV/m}/20)}$

To determine the emission characteristic of the EUT above 18 GHz, the test antenna was swept over all faces of the EUT whilst observing a spectral display. The frequency of any emissions of interest was noted for formal measurement at the correct measurement distance of 1m. This procedure was repeated for all relevant transmit operating channels.

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

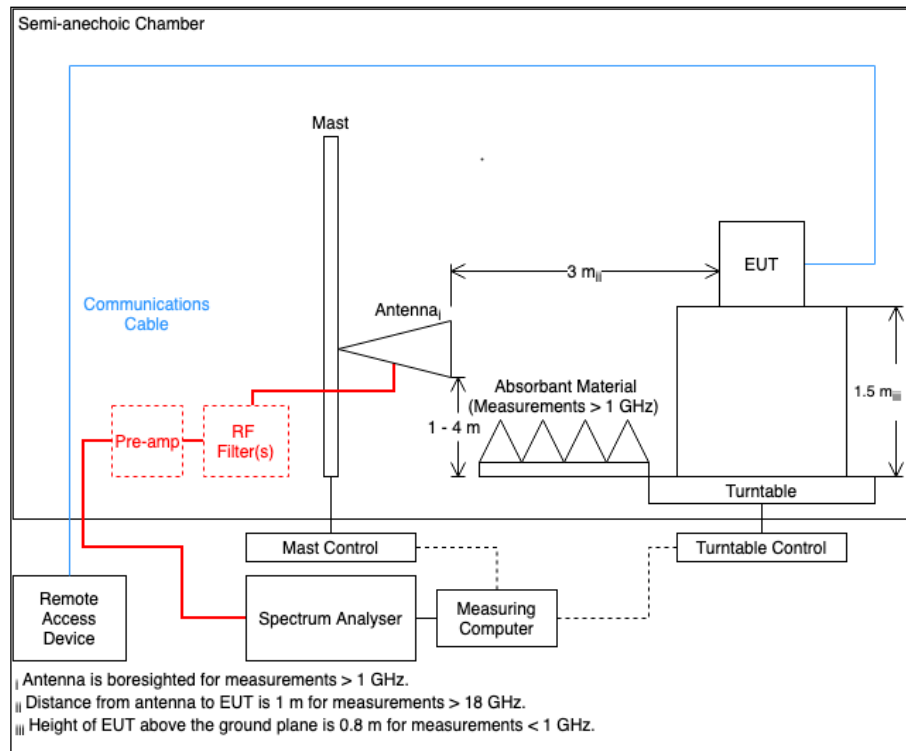


Figure 46

2.5.6 Environmental Conditions

Ambient Temperature	21.5 - 23.6 °C
Relative Humidity	37.4 – 41.5 %

2.5.7 Test Results

Thread

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2485.258	34.00	54.00	-20.00	RMS	360	269	Vertical
4808.915	37.56	54.00	-16.44	RMS	12	288	Vertical

Table 43 - 2405 MHz (CH11), Thread, ePA, Core 0, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

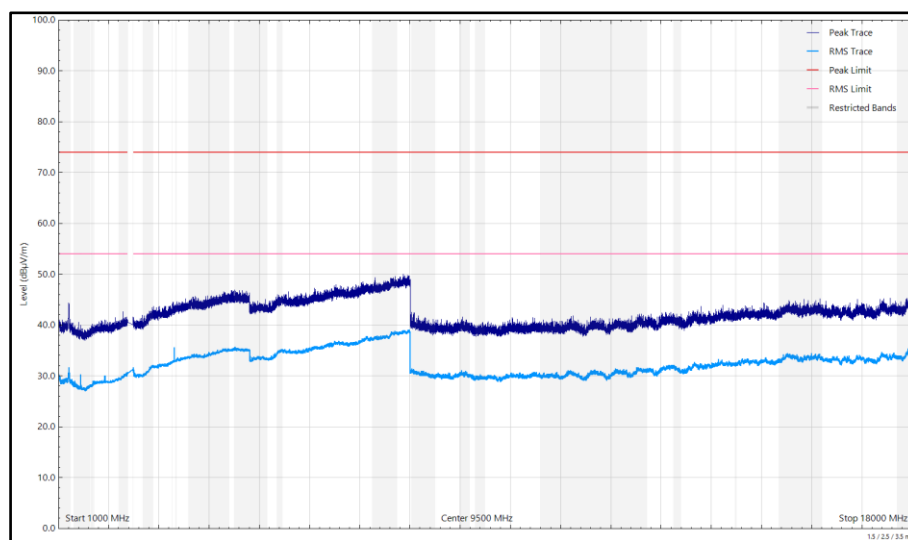


Figure 47 - 2405 MHz (CH11), Thread, ePA, Core 0, 1 GHz to 18 GHz, Horizontal

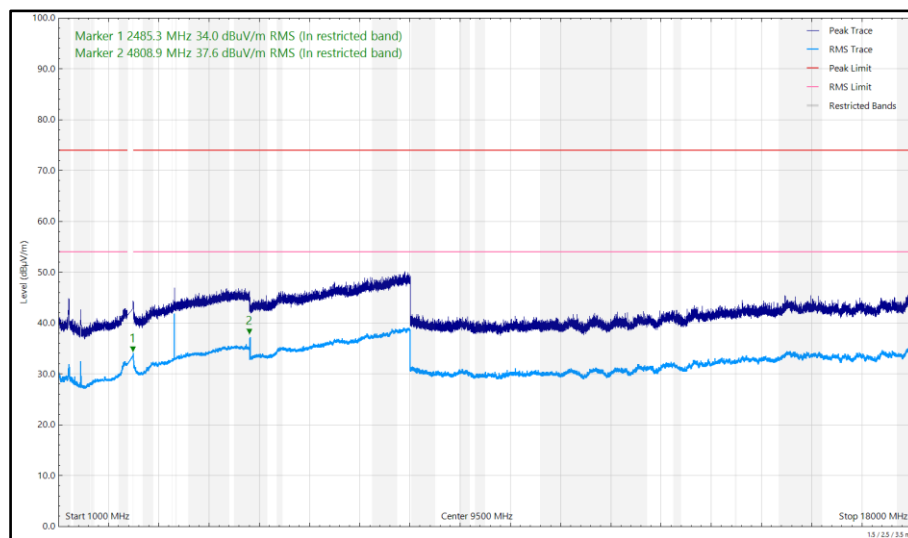


Figure 48 - 2405 MHz (CH11), Thread, ePA, Core 0, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.963	21.52	40.00	-18.48	Q-Peak	4	400	Horizontal
38.124	22.13	40.00	-17.87	Q-Peak	292	153	Vertical
100.707	19.74	43.50	-23.76	Q-Peak	175	129	Vertical
2389.976	34.03	54.00	-19.97	RMS	16	301	Vertical
2484.063	34.95	54.00	-19.05	RMS	354	311	Vertical
4879.032	36.84	54.00	-17.16	RMS	324	249	Vertical

Table 44 - 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

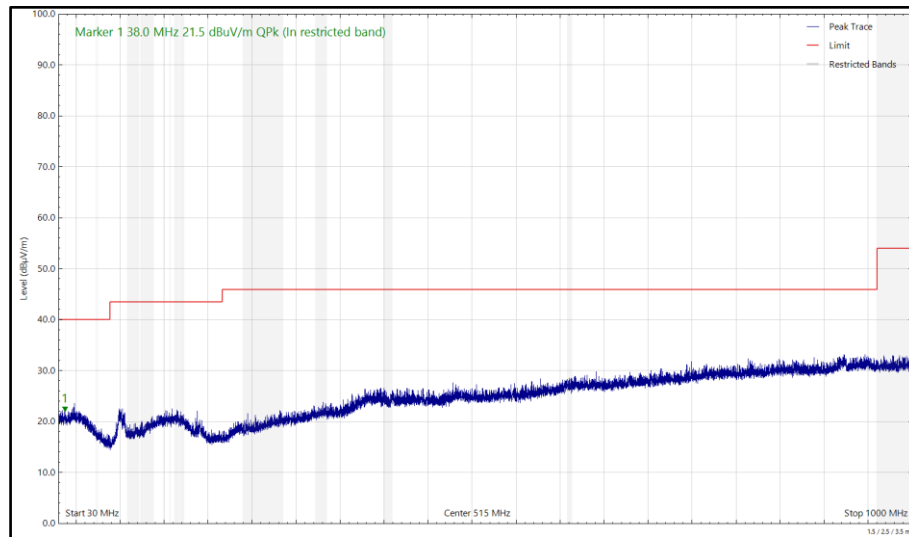


Figure 49 - 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

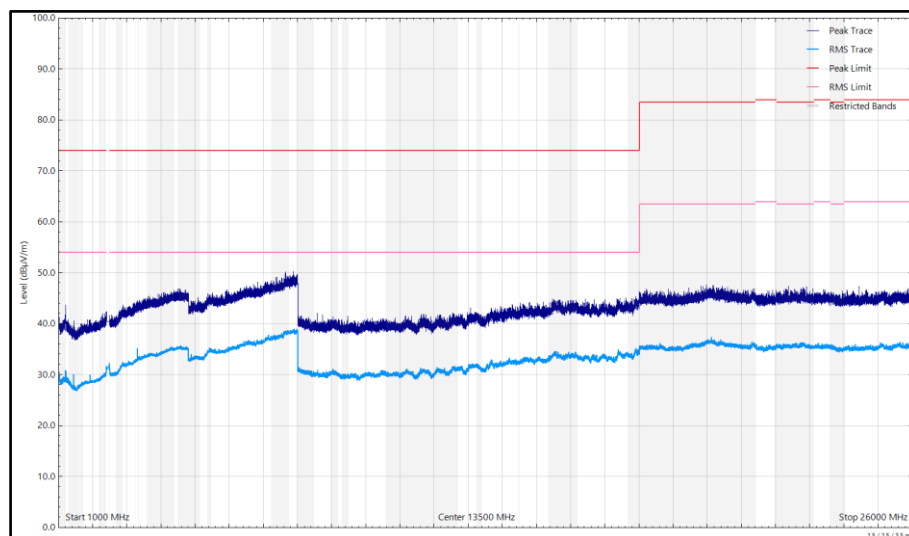


Figure 50 - 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 26 GHz, Horizontal

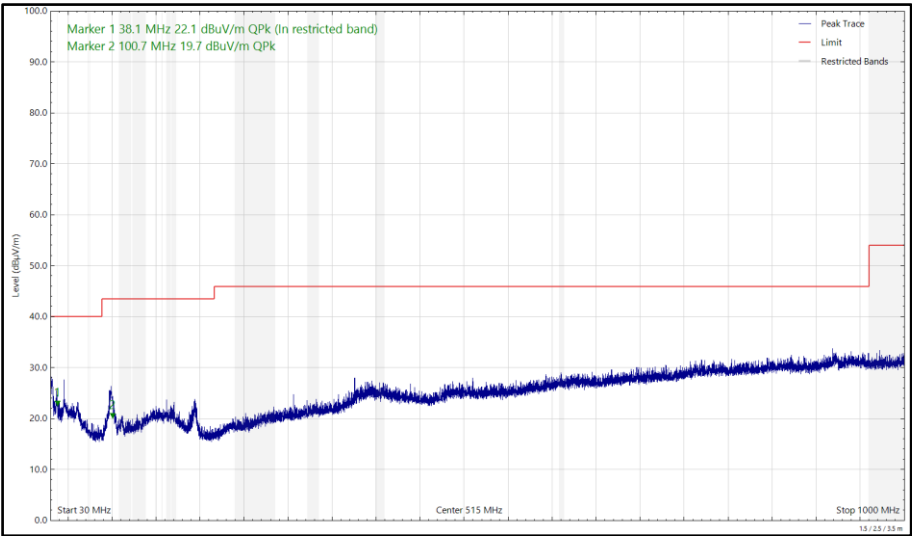


Figure 51 - 2440 MHz (CH18), Thread, ePA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

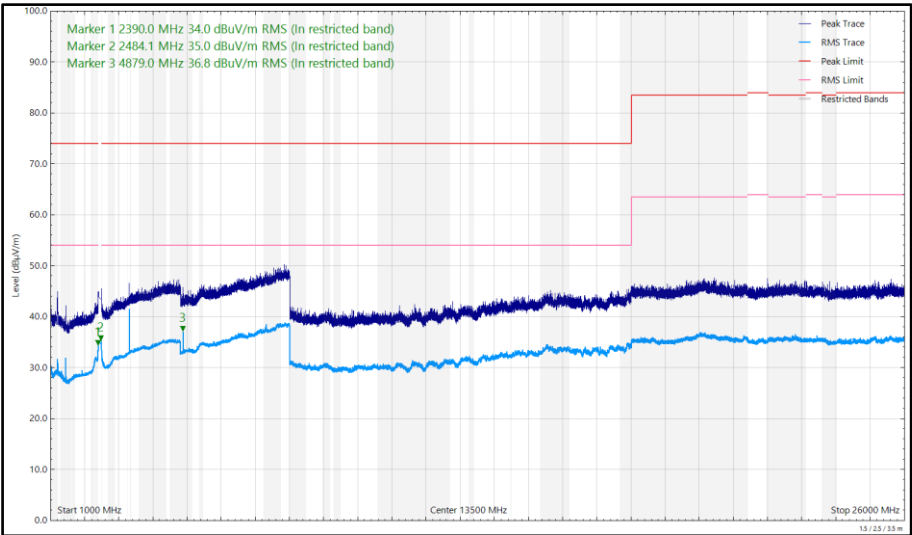


Figure 52 - 2440 MHz (CH18), Thread, ePA, Core 0, 1 GHz to 26 GHz, Vertical



Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
4951.011	37.19	54.00	-16.81	RMS	50	291	Vertical

Table 45 - 2475 MHz (CH25), Thread, ePA, Core 0, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

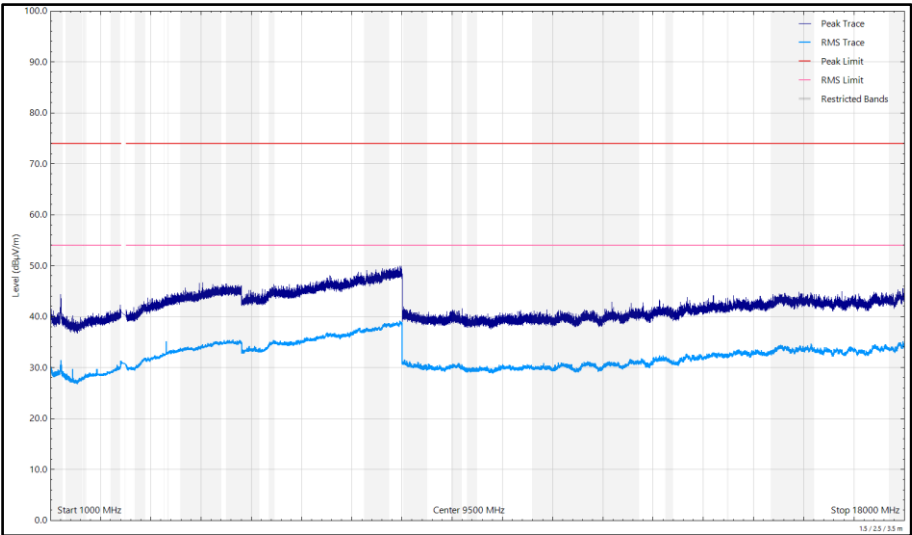


Figure 53 - 2475 MHz (CH25), Thread, ePA, Core 0, 1 GHz to 18 GHz, Horizontal

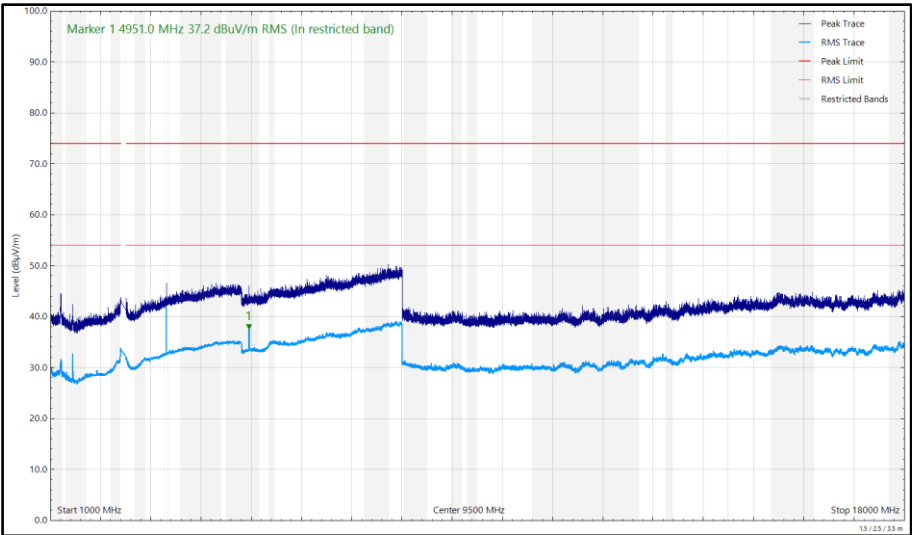


Figure 54 - 2475 MHz (CH25), Thread, ePA, Core 0, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
2486.446	35.21	54.00	-18.79	RMS	350	289	Vertical
4809.014	34.86	54.00	-19.14	RMS	109	121	Vertical

Table 46 - 2405 MHz (CH11), Thread, ePA, Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

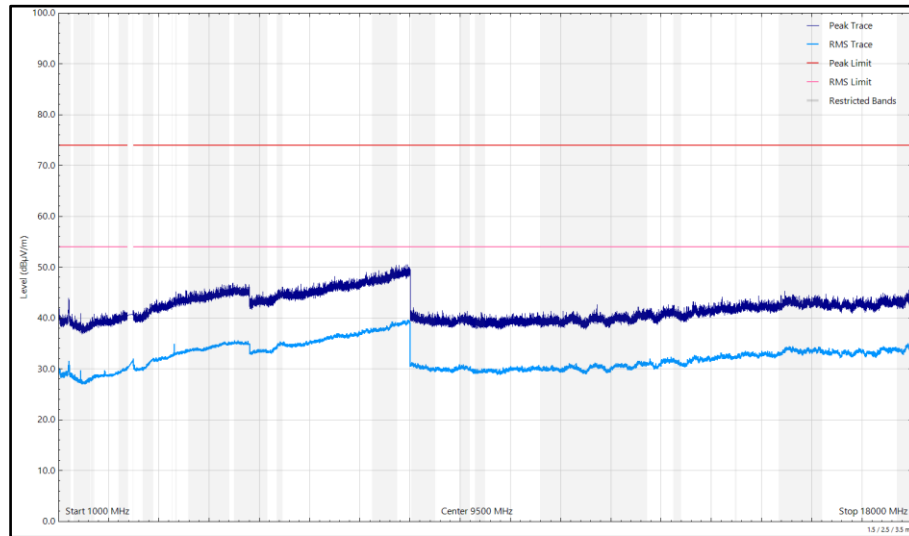


Figure 55 - 2405 MHz (CH11), Thread, ePA, Core 1, 1 GHz to 18 GHz, Horizontal

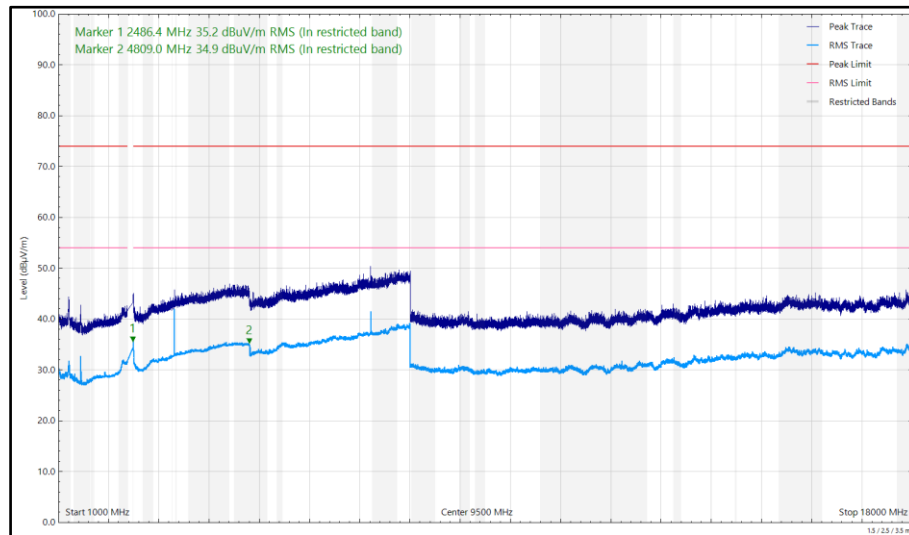


Figure 56 - 2405 MHz (CH11), Thread, ePA, Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
30.784	23.20	40.00	-16.80	Q-Peak	13	179	Vertical
37.658	21.32	40.00	-18.68	Q-Peak	103	337	Horizontal
99.392	22.17	43.50	-21.33	Q-Peak	353	138	Vertical
2389.997	34.62	54.00	-19.38	RMS	347	304	Vertical
2486.892	35.56	54.00	-18.44	RMS	357	255	Vertical
7318.500	37.60	54.00	-16.40	RMS	308	329	Vertical

Table 47 - 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

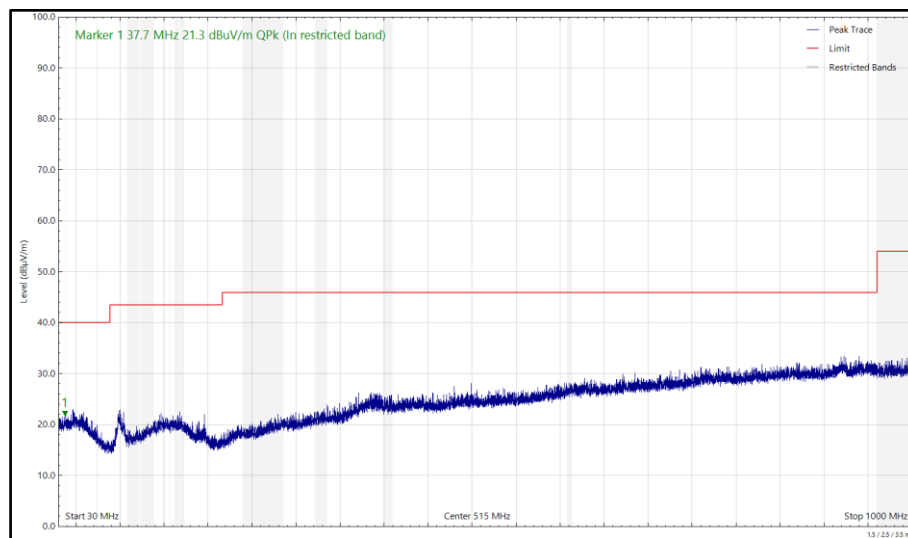


Figure 57 - 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

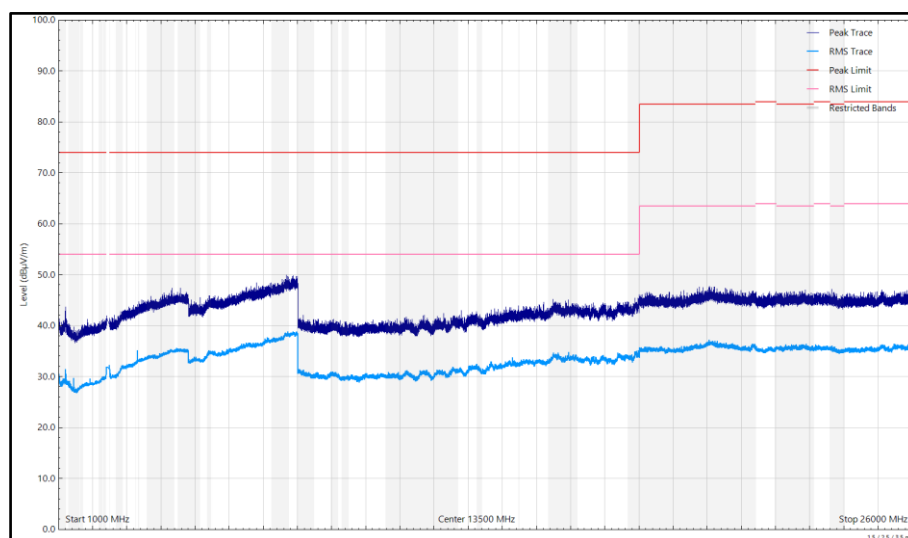


Figure 58 - 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 26 GHz, Horizontal

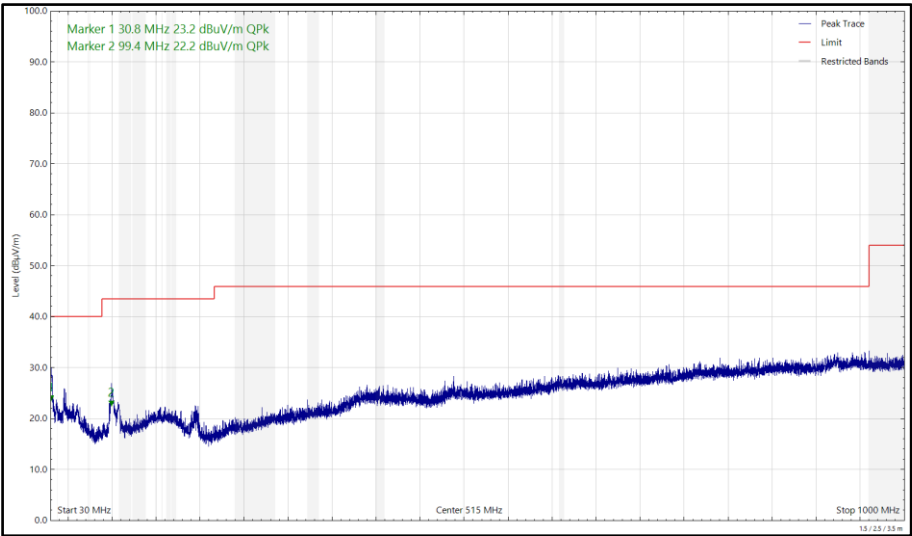


Figure 59 - 2440 MHz (CH18), Thread, ePA, Core 1, 30 MHz to 1 GHz, Vertical (Peak)

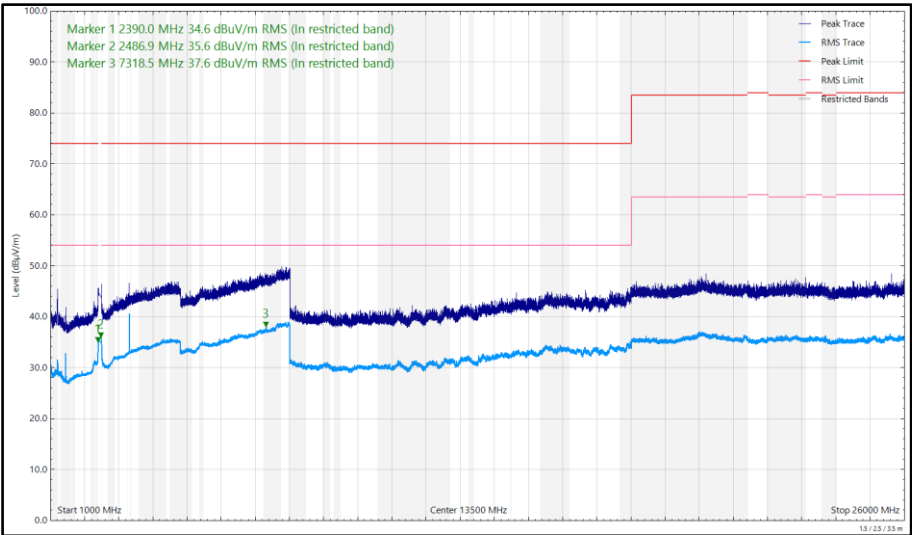


Figure 60 - 2440 MHz (CH18), Thread, ePA, Core 1, 1 GHz to 26 GHz, Vertical



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

Table 48 - 2475 MHz (CH25), Thread, ePA, Core 1, 1 GHz to 18 GHz

*No emissions found within 20 dB of the limit.

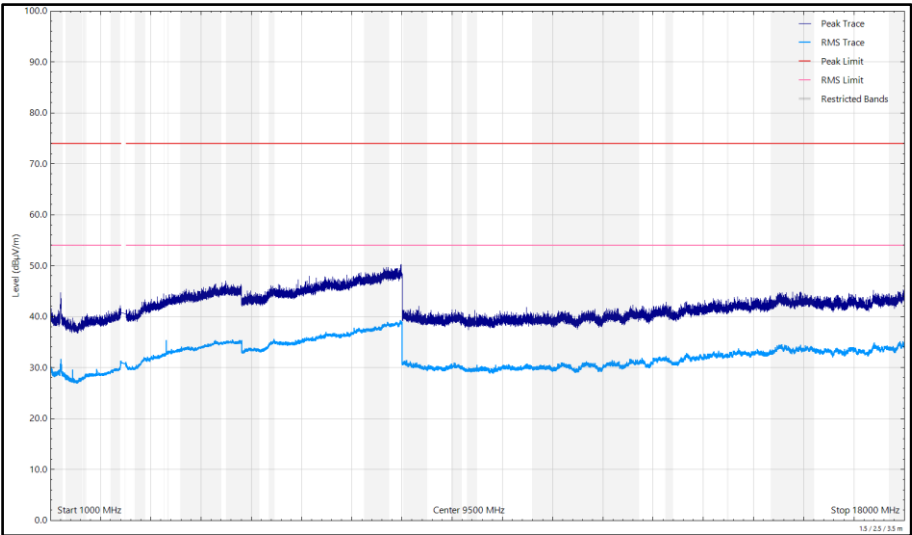


Figure 61 - 2475 MHz (CH25), Thread, ePA, Core 1, 1 GHz to 18 GHz, Horizontal

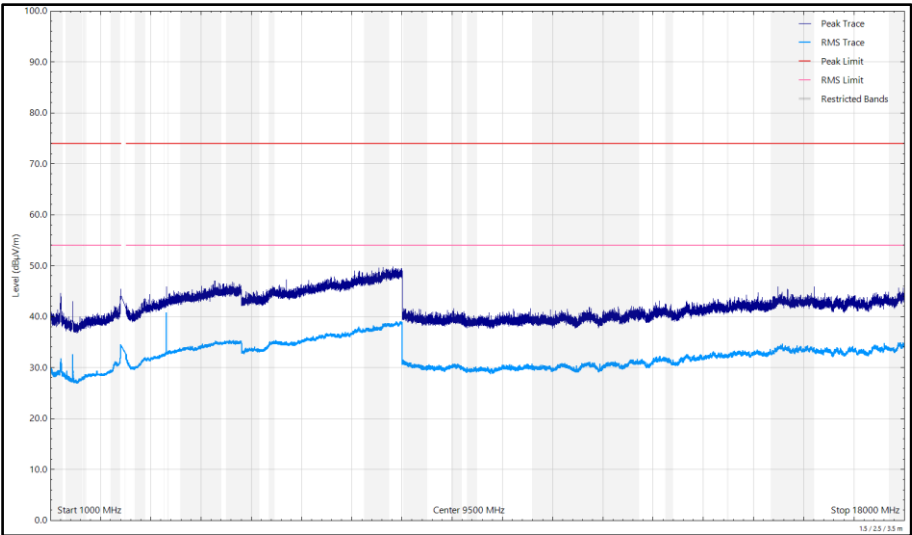


Figure 62 - 2475 MHz (CH25), Thread, ePA, Core 1, 1 GHz to 18 GHz, Vertical



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

Table 49 - 2405 MHz (CH11), Thread, iPA, Core 0, 1 GHz to 18 GHz

*No emissions found within 20 dB of the limit.

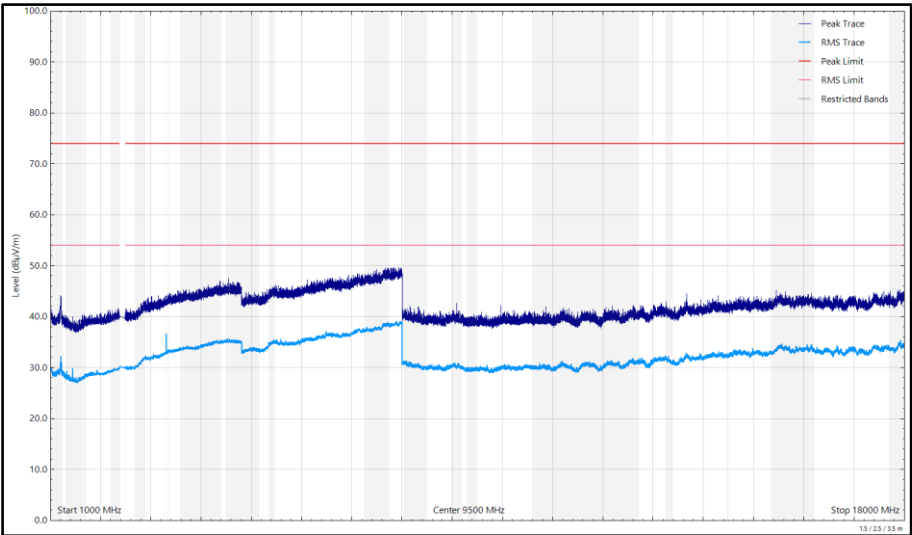


Figure 63 - 2405 MHz (CH11), Thread, iPA, Core 0, 1 GHz to 18 GHz, Horizontal

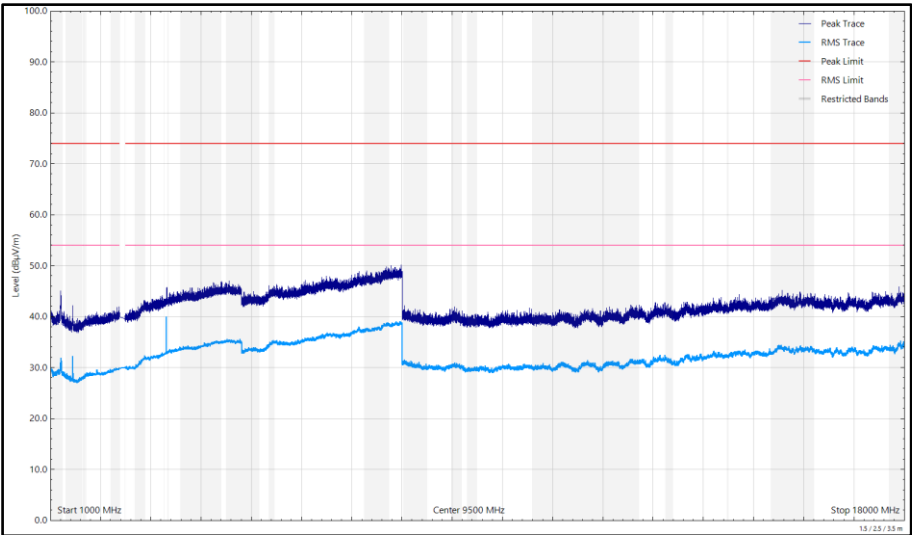


Figure 64 - 2405 MHz (CH11), Thread, iPA, Core 0, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
37.570	21.42	40.00	-18.58	Q-Peak	292	383	Horizontal
37.963	21.57	40.00	-18.43	Q-Peak	354	120	Vertical
99.691	20.95	43.50	-22.55	Q-Peak	360	113	Vertical
103.324	19.04	43.50	-24.46	Q-Peak	0	240	Horizontal

Table 50 - 2440 MHz (CH18), Thread, iPA, Core 0, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

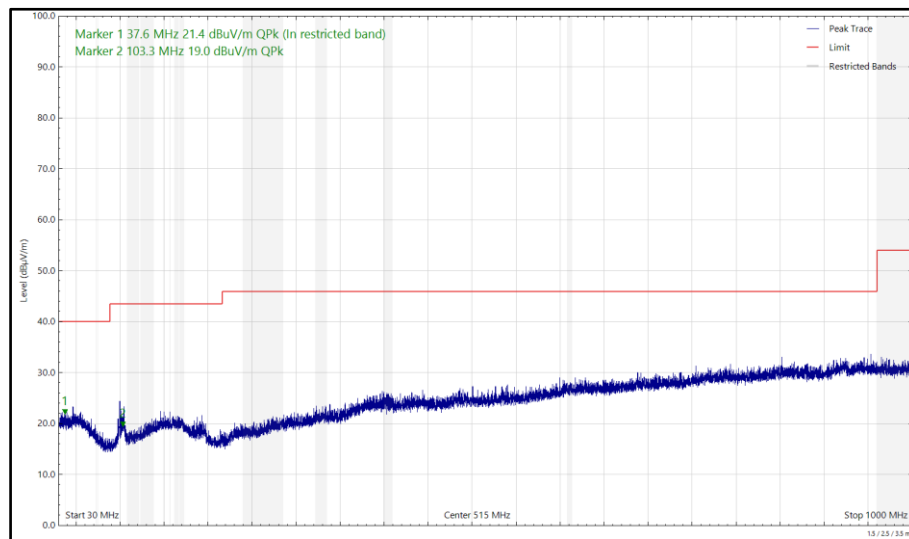


Figure 65 - 2440 MHz (CH18), Thread, iPA, Core 0, 30 MHz to 1 GHz, Horizontal (Peak)

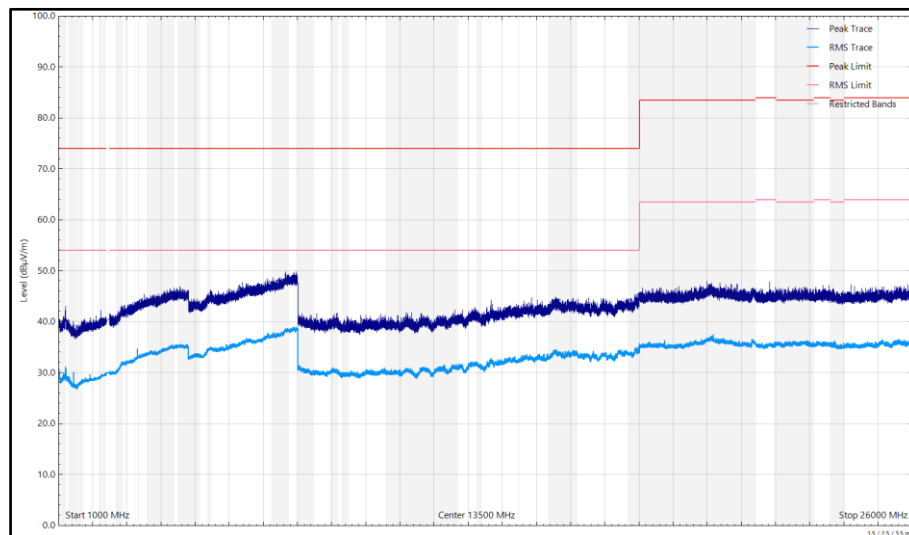


Figure 66 - 2440 MHz (CH18), Thread, iPA, Core 0, 1 GHz to 26 GHz, Horizontal

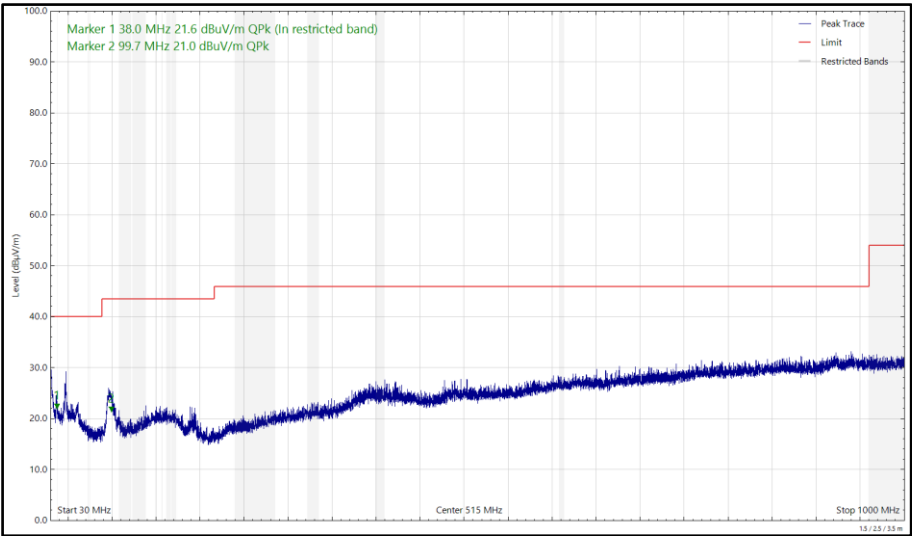


Figure 67 - 2440 MHz (CH18), Thread, iPA, Core 0, 30 MHz to 1 GHz, Vertical (Peak)

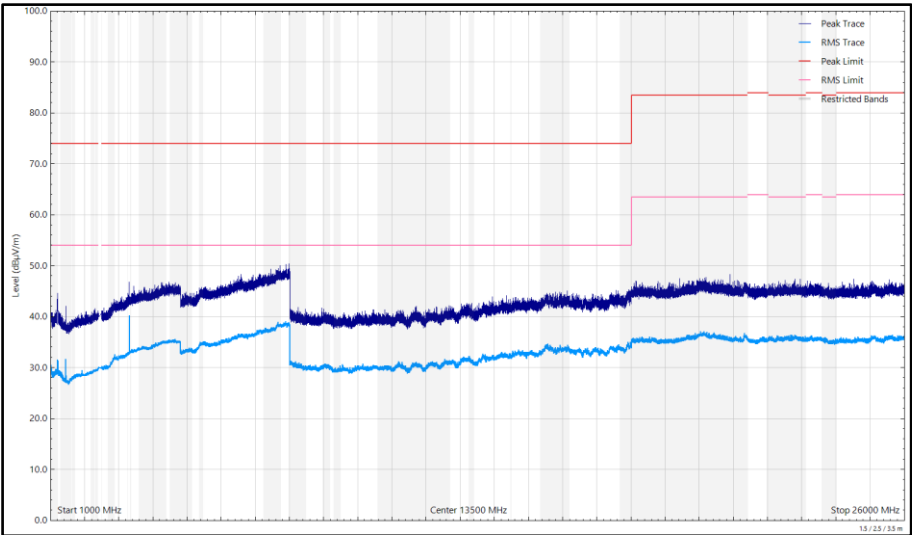


Figure 68 - 2440 MHz (CH18), Thread, iPA, Core 0, 1 GHz to 26 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.126	36.45	54.00	-17.55	RMS	37	191	Vertical
1440.173	34.13	54.00	-19.87	RMS	2	324	Vertical

Table 51 - 2475 MHz (CH25), Thread, iPA, Core 0, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

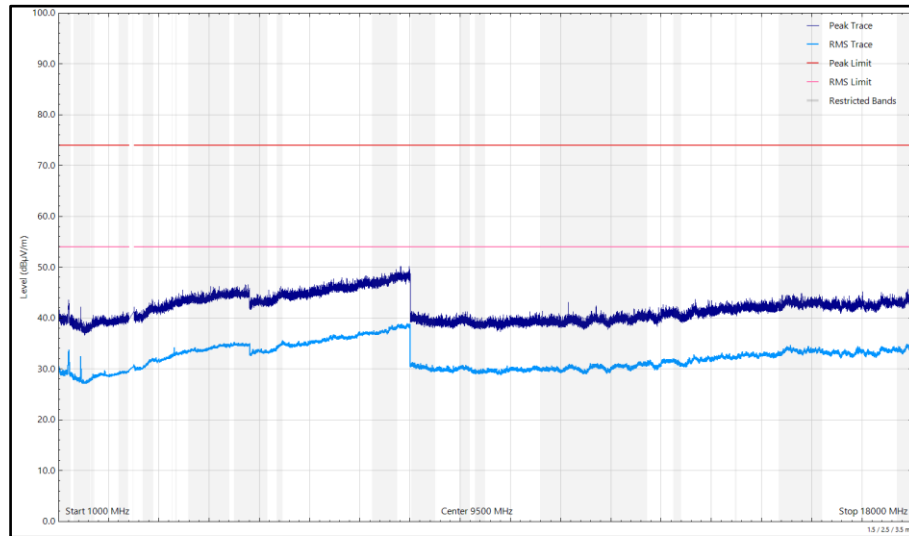


Figure 69 - 2475 MHz (CH25), Thread, iPA, Core 0, 1 GHz to 18 GHz, Horizontal

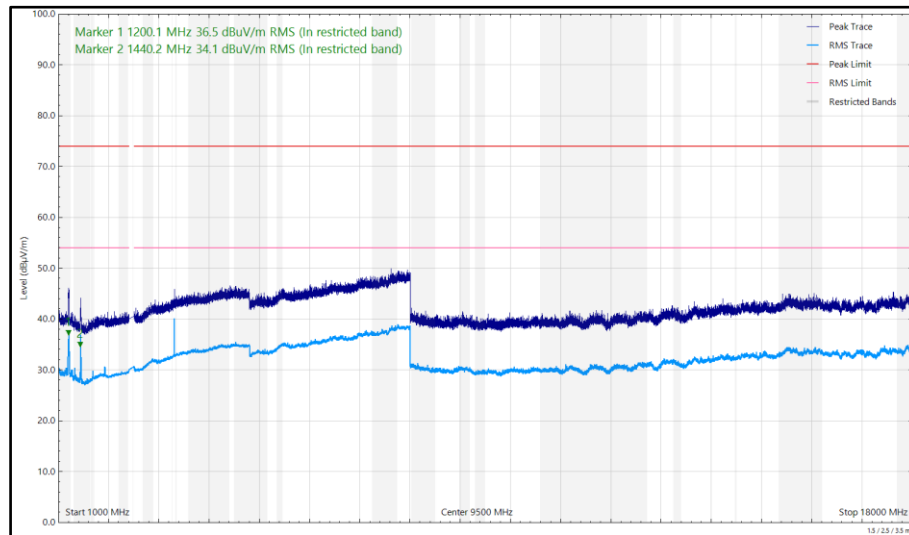


Figure 70 - 2475 MHz (CH25), Thread, iPA, Core 0, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
1200.164	35.12	54.00	-18.88	RMS	349	335	Vertical
1440.144	31.48	54.00	-22.52	RMS	352	330	Horizontal
1440.179	36.57	54.00	-17.43	RMS	123	222	Vertical

Table 52 - 2405 MHz (CH11), Thread, iPA, Core 1, 1 GHz to 18 GHz

No other emissions found within 20 dB of the limit.

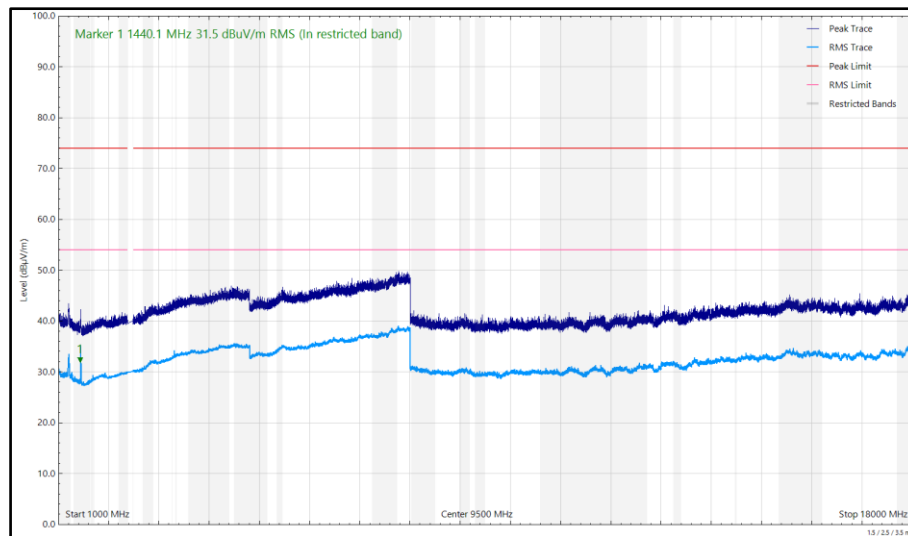


Figure 71 - 2405 MHz (CH11), Thread, iPA, Core 1, 1 GHz to 18 GHz, Horizontal

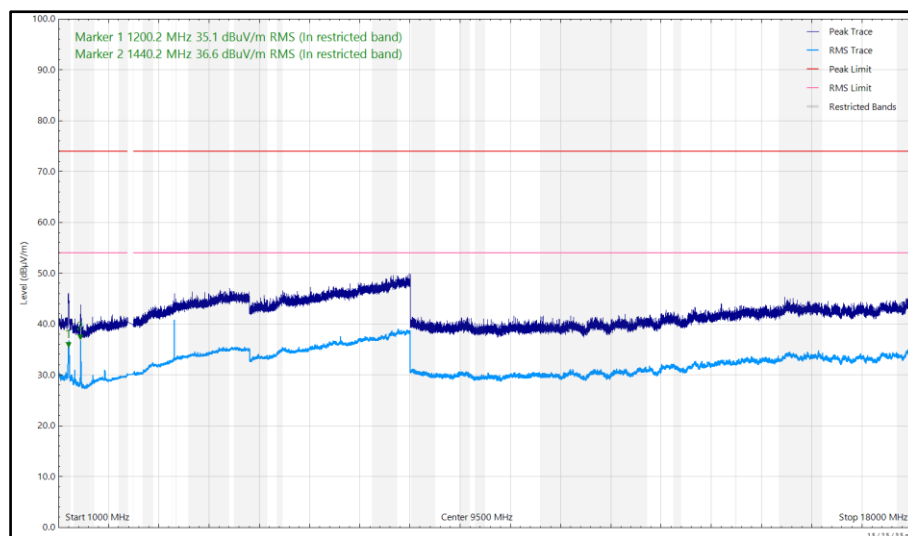


Figure 72 - 2405 MHz (CH11), Thread, iPA, Core 1, 1 GHz to 18 GHz, Vertical

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Angle (°)	Height (cm)	Polarisation
38.167	21.68	40.00	-18.32	Q-Peak	136	117	Vertical
51.612	22.07	40.00	-17.93	Q-Peak	2	366	Horizontal
94.446	20.29	43.50	-23.21	Q-Peak	358	357	Horizontal
94.968	18.91	43.50	-24.59	Q-Peak	311	321	Vertical
1200.077	35.28	54.00	-18.72	RMS	106	205	Vertical
1440.233	36.60	54.00	-17.40	RMS	119	220	Vertical

Table 53 - 2440 MHz (CH18), Thread, iPA, Core 1, 30 MHz to 26 GHz

No other emissions found within 20 dB of the limit.

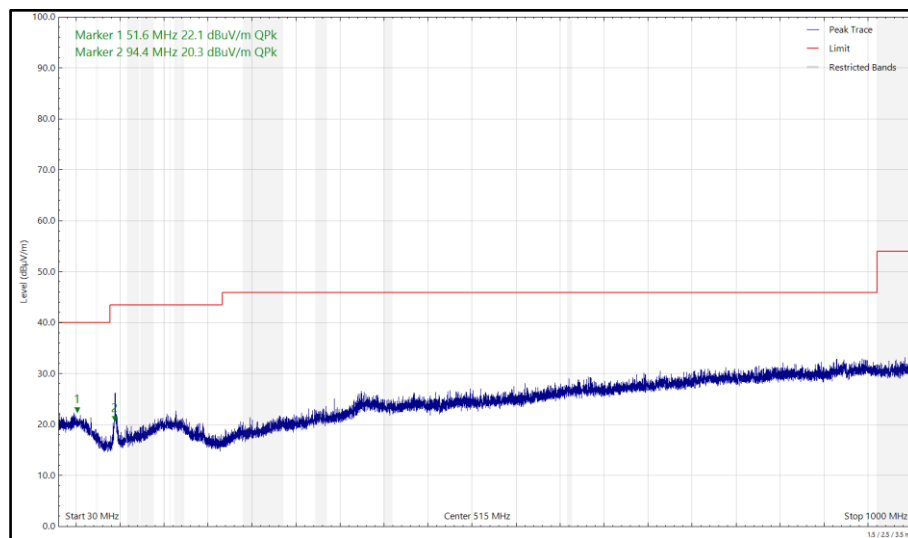


Figure 73 - 2440 MHz (CH18), Thread, iPA, Core 1, 30 MHz to 1 GHz, Horizontal (Peak)

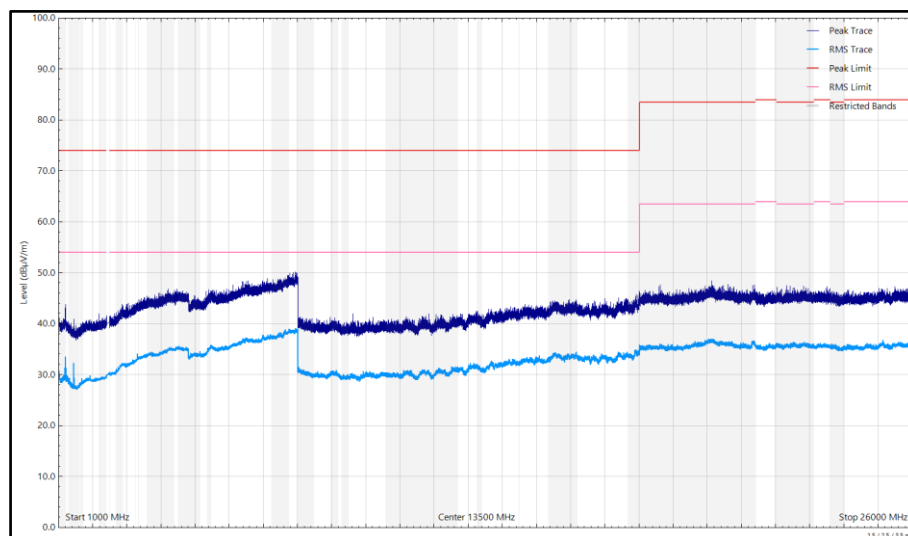


Figure 74 - 2440 MHz (CH18), Thread, iPA, Core 1, 1 GHz to 26 GHz, Horizontal