

TEST REPORT

Test Report No. : UL-RPT-RP16037413-216A

Applicant* : Lifescan Europe GmbH

Model No. / HVIN* : KF

PMN* : OneTouch Verio Reflect

FCC ID* : 2ACT5-K02 **IC*** : 12202A-K02

Technology : *Bluetooth* – Low Energy

Test Standard(s) : FCC Parts 15.35(c), 15.209(a) & 15.247
Innovation, Science and Economic Development Canada
RSS-247 Issue 4 July 2025,
RSS-Gen Issue 5 February 2021

Test Laboratory : UL International (UK) Ltd, Basingstoke, Hampshire, RG24 8AH,
United Kingdom

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3. The sample tested is in compliance with the above standard(s).
4. The test results in this report are traceable to the national or international standards.
5. All information marked with (*) was provided by the Customer, Applicant or Authorised representative
6. Version 3.0 supersedes all previous versions.

Date of Issue: 18 March 2026

Checked by:



Ben Mercer
Lead Test Engineer, Radio Laboratory

Company Signatory:



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Applicant Information

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Report Revision History

Version Number	Issue Date	Revision Details	Revised By
1.0	11/03/2026	Initial Version	Ben Mercer
2.0	13/03/2026	Corrected engineering statement in Annex A	Ben Mercer
3.0	18/03/2026	Reference to 15.207 removed. Antenna gain corrected	Ben Mercer

Table of Contents

Applicant Information	2
Manufacturer Information.....	Error! Bookmark not defined.
Report Revision History	2
Table of Contents.....	3
1 Attestation of Test Results.....	4
1.1 Description of EUT	4
1.2 General Information	4
1.3 Summary of Test Results	5
1.4 Deviations from the Test Specification	5
2 Summary of Testing.....	6
2.1 Facilities and Accreditation	6
2.2 Methods and Procedures	6
2.3 Calibration and Uncertainty	7
2.4 Sample Calculation	8
2.5 Test and Measurement Equipment	8
3 Equipment Under Test (EUT)	10
3.1 Identification of Equipment Under Test (EUT)	10
3.2 Modifications Incorporated in the EUT	10
3.3 Additional Information Related to Testing	11
3.4 Description of Available Antennas	11
3.5 Description of Test Setup	12
4 Antenna Port Test Results	15
4.1 Duty Cycle	15
4.2 99% Occupied Bandwidth	16
4.3 Minimum 6 dB Bandwidth	18
4.4 Maximum Peak Output Power	20
5 Radiated Test Results.....	21
5.1 Radiated Emissions <1 GHz	21
5.2 Radiated Emissions >1 GHz	24
5.3 Band Edge Radiated Emissions	27
Annex A: Product Identity Declaration / Model Variants.....	30

1 Attestation of Test Results

1.1 Description of EUT

The equipment under test (EUT) was a Blood Glucose meter incorporating a *Bluetooth* LE transceiver.*

1.2 General Information

Specification Reference:	47CFR15.247
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart C (Intentional Radiators) – Section 15.247
Specification Reference:	47CFR15.209
Specification Title:	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart C (Intentional Radiators) – Section 15.209
Specification Reference:	RSS-247 Issue 4 July 2025
Specification Title:	Digital Transmission Systems, Frequency Hopping Systems and Licence-Exempt Local Area Network Devices in 902-928 MHz, 2400-2483.5 MHz, 5150-5350 MHz, and 5470-5895 MHz bands
Specification Reference:	RSS-Gen Issue 5 February 2021
Specification Title:	General Requirements for Compliance of Radio Apparatus
Site Registration:	FCC: 685609, ISEDC: 20903
FCC Lab. Designation No.:	UK2011
ISEDC CABID:	UK0001
Location of Testing:	Units 3 & 4 Horizon, Wade Road, Kingsland Business Park, Basingstoke, Hampshire, RG24 8AH, United Kingdom
Test Dates:	02 March 2026 to 03 March 2026

1.3 Summary of Test Results

FCC Clause (47CFR)	ISED Clause	Transmitter Measurement	Result
Part 15.35(c)	RSS-Gen 8.2	Duty Cycle	Note 1
N/A	RSS-Gen 6.7	99% Occupied Bandwidth	Complied
Part 15.247(a)(2)	RSS-247 6.3.1(a) / RSS-Gen 6.7	Minimum 6 dB Bandwidth	Complied
Part 15.247(b)(3)	RSS-247 6.3.2 / RSS-Gen 6.12	Maximum Peak Output Power	Complied
Part 15.247(e)	RSS-247 6.3.1(b)	Power Spectral Density	Note 2
Part 15.247(d) & 15.209(a)	RSS-247 6.6 / RSS-Gen 6.13 & 8.9	Radiated Emissions	Complied
Part 15.247(d) & 15.209(a)	RSS-247 6.6 / RSS-Gen 6.13 & 8.10	Band Edge Radiated Emissions	Complied

Note(s):

1. Reporting purposes only.
2. In accordance with ANSI C63.10 Section 11.10.1, PSD measurements are not required if the maximum conducted output power is less than the PSD limit of 8 dBm / 3 kHz. The PSD level is therefore deemed be equal to the measured output power.

1.4 Deviations from the Test Specification

For the measurements contained within this test report, there were no deviations from, additions to, or exclusions from the test specification identified above.

2 Summary of Testing

2.1 Facilities and Accreditation

The test site and measurement facilities used to collect data are located at Units 3 & 4 Horizon, Wade Road, Kingsland Business Park, Basingstoke, Hampshire, RG24 8AH, United Kingdom. The following table identifies which facilities were utilised for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

Site 1	X
Site 17	-
Site 32	-
Site 33	-

UL International (UK) Ltd is accredited by the United Kingdom Accreditation Service (UKAS). UKAS is one of the signatories to the International Laboratory Accreditation Co-operation (ILAC) Arrangement for the mutual recognition of test reports. The tests reported herein have been performed in accordance with its terms of accreditation.

2.2 Methods and Procedures

Reference:	ANSI C63.10-2020
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Reference:	#ANSI C63.10-2020/Cor1-2023
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices – Corrigendum 1
Reference:	#ANSI C63.10-2020+C63.10a-2024
Title:	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices – Amendment 1
Reference:	KDB 558074 D01 15.247 Meas Guidance v05r02, April 2, 2019
Title:	Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under Section 15.247 of the FCC Rules

#The use of ANSI C63.10-2020/Cor1-2023 and C63.10a-2024 does not deviate from the testing procedures of ANSI C63.10-2020

2.3 Calibration and Uncertainty

Measuring Instrument Calibration

In accordance with UKAS requirements all the measurement equipment is on a calibration schedule. All equipment was within the calibration period on the date of testing.

Measurement Uncertainty & Decision Rule

Overview

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

Decision Rule

Measurement system instrumentation shall be used with an accuracy specification meeting the accuracy specification limits according to IEC/IECEE OD-5014.

As applicable, unless specified otherwise in this quotation, the compliance "Decision Rule" is based on Simple Acceptance. If the measured value is on the limit, the result is defined as a pass. For further information regarding risk assessment refer to ILAC G8:09/2019.

Measurement Uncertainty

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor such that a confidence level of approximately 95% is maintained. For the purposes of this document "approximately" is interpreted as meaning "effectively" or "for most practical purposes".

Measurement Type	Range	Confidence Level (%)	Calculated Uncertainty
Duty Cycle	2.4 GHz to 2.4835 GHz	95%	±1.14 %
99% Occupied Bandwidth	2.4 GHz to 2.4835 GHz	95%	±2.41 %
Minimum 6 dB Bandwidth	2.4 GHz to 2.4835 GHz	95%	±3.27 %
Conducted Maximum Peak Output Power	2.4 GHz to 2.4835 GHz	95%	±0.61 dB
Radiated Spurious Emissions	9 kHz to 30 MHz	95%	±5.44 dB
Radiated Spurious Emissions	30 MHz to 1 GHz	95%	±4.66 dB
Radiated Spurious Emissions	1 GHz to 25 GHz	95%	±5.06 dB

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty the published guidance of the appropriate accreditation body is followed.

2.4 Sample Calculation

Where relevant, the following calculations were used:

Antenna Port

- The following equation can be used to calculate the duty cycle in the time domain:

$$10 \log (1 / (\text{On Time} / [\text{Period or } 100 \text{ ms whichever is the lesser}])))$$

Radiated Emissions

- The recorded emission level was calculated from the level indicated by the measuring receiver, adjusted by a transducer factor (TDF in dB), calculated using the formula:

$$\text{TDF (dB)} = C_{\text{Att}} (\text{dB}) + \text{AF (dB/m)} - P_{\text{Gain}} (\text{dB})$$

Where:

C_{Att} : conducted path attenuation (cables + attenuators)

AF: antenna factor

P_{Gain} : external preamplifier gain

2.5 Test and Measurement Equipment

Test Equipment Used for Conducted Tests

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2004	Thermohygrometer	Testo	608-H1	45046425	18 Dec 2026	12
M231906	Signal Analyser	Keysight	N9020B	MY63430177	14 Oct 2026	12
A220128	Attenuator	Pasternack	PE7013-10	#2	Calibrated before use	-
M216294	Power Sensor	Boonton	RTP5008	11824	03 Jun 2026	12
A231990	Switching Unit	Mini-Circuits	ZT-400	122110200009	Calibrated before use	-
M241601	Network Analyser	Keysight	P5007B	MY61100200	02 Oct 2026	12

Test Measurement Software/Firmware Used for Conducted Tests

Name	Version	Release Date
Phoenix	4.24	09 January 2026

Test and Measurement Equipment (continued)**Test Equipment Used for Radiated Emissions Tests**

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2040	Thermohygrometer	Testo	608-H1	45124934	18 Dec 2026	12
K0001	3m RSE Chamber	MVG Industries UK Ltd.	N/A	N/A	16 Oct 2026	12
M1874	Test Receiver	Rohde & Schwarz	ESU26	100553	26 Jun 2026	12
A3154	Pre-Amplifier	Com-Power	PAM-103	18020012	08 Oct 2026	12
A222867	Pre-Amplifier	Atlantic Microwave	A-LNAKX-380116-S5S5	220705002	07 Oct 2026	12
A3179	Pre-Amplifier	Hewlett Packard	8449B	3008A00934	08 Oct 2026	12
A2896	Pre Amplifier	Schwarzbeck	BBV 9721	9721-023	04 Apr 2026	12
A2895	Antenna	Schwarzbeck	BBHA 9170	9170-728	08 Apr 2026	12
A553	Antenna	Chase EMC Ltd	CBL6111A	1593	21 Aug 2026	12
A3139	Antenna	Schwarzbeck	HWRD750	00027	10 Oct 2026	12
A3138	Antenna	Schwarzbeck	BBHA 9120 B	00702	10 Oct 2026	12
A3165	Magnetic Loop Antenna	ETS-Lindgren	6502	00224383	25 Mar 2026	12
A2523	Attenuator	AtlanTecRF	AN18W5-10	832827#1	15 Oct 2026	12
A3085	Low Pass Filter	AtlanTecRF	AFL-02000	18051600014	15 Oct 2026	12
A3093	High Pass Filter	AtlanTecRF	AFH-03000	18051800077	15 Oct 2026	12
A227131	High Pass Filter	Micro-Tronics	HPS20722	005	15 Oct 2026	12

Test Equipment Used for Band Edge Radiated Emissions Tests

Asset No.	Instrument	Manufacturer	Type No.	Serial No.	Date Calibration Due	Cal. Interval (Months)
M2040	Thermohygrometer	Testo	608-H1	45124934	18 Dec 2026	12
K0001	3m RSE Chamber	MVG Industries UK Ltd.	N/A	N/A	16 Oct 2026	12
M1874	Test Receiver	Rohde & Schwarz	ESU26	100553	26 Jun 2026	12
A3179	Pre-Amplifier	Hewlett Packard	8449B	3008A00934	08 Oct 2026	12
A3138	Antenna	Schwarzbeck	BBHA 9120 B	00702	10 Oct 2026	12
A2523	Attenuator	AtlanTecRF	AN18W5-10	832827#1	15 Oct 2026	12

Test and Measurement Equipment (continued)**3 Equipment Under Test (EUT)****3.1 Identification of Equipment Under Test (EUT)**

Brand Name*:	OneTouch
Model Name or Number / HVIN*:	KF
PMN*:	OneTouch Verio Reflect
FCC ID*:	2ACT5-K02
ISED Canada Certification Number*:	12202A-K02

Test Sample Serial Number*:	Hardware Version*:	Software Version*:	Date of Receipt:
K2VBRN3K (<i>Conducted #1</i>)	DV1	DTM: host_test_LP_EM_CC2340R21_v2 BLE: 02_02_00 Microcontroller: SI_99.99.95	20 February 2026
K2VBRN2V (<i>Radiated #1</i>)	DV1	DTM: host_test_LP_EM_CC2340R21_v2 BLE: 02_02_00 Microcontroller: SI_99.99.95	20 February 2026

3.2 Modifications Incorporated in the EUT

No modifications were applied to the EUT during testing.

3.3 Additional Information Related to Testing

Technology Tested:	Bluetooth Low Energy (Digital Transmission System)		
Type of Unit:	Transceiver		
Channel Spacing:	2 MHz		
Modulation:	GFSK		
Data Rate LE1M*:	1 Mbps		
Power Supply Requirement(s)*:	3.0 VDC		
Maximum Conducted Output Power:	-2.03 dBm		
Transmit Frequency Range:	2402 MHz to 2480 MHz		
Mode*:	LE1M		
Transmit Channels Tested:	Channel ID	Channel Number	Channel Frequency (MHz)
	Bottom	37	2402
	Middle	19	2440
	Top	39	2480

3.4 Description of Available Antennas

The radio utilizes an integrated antenna, with the following maximum gain:

Frequency Range (MHz)	Antenna Gain (dBi)
2400-2480	1.24

3.5 Description of Test Setup

Support Equipment

The following support equipment was used to exercise the EUT during testing:

Customer Supplied*:

Description	Brand Name	Model Name or Number	Serial Number
USB to UART Cable	Not marked or stated	Not marked or stated	Not marked or stated

Laboratory Supplied:

Description	Brand Name	Model Name or Number	Serial Number
Support Laptop	Lenovo	ThinkPad L480	PF1EHZQ0
Support Laptop	Lenovo	Thinkpad L480	PF1EHZPL

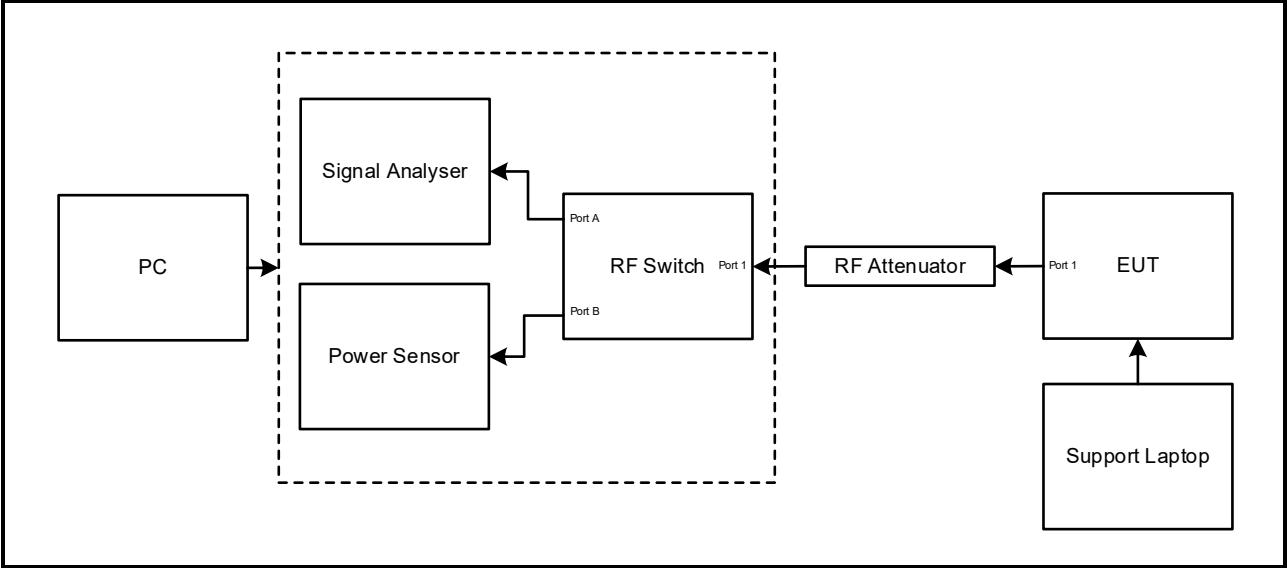
Operating Modes, Configuration and Peripherals

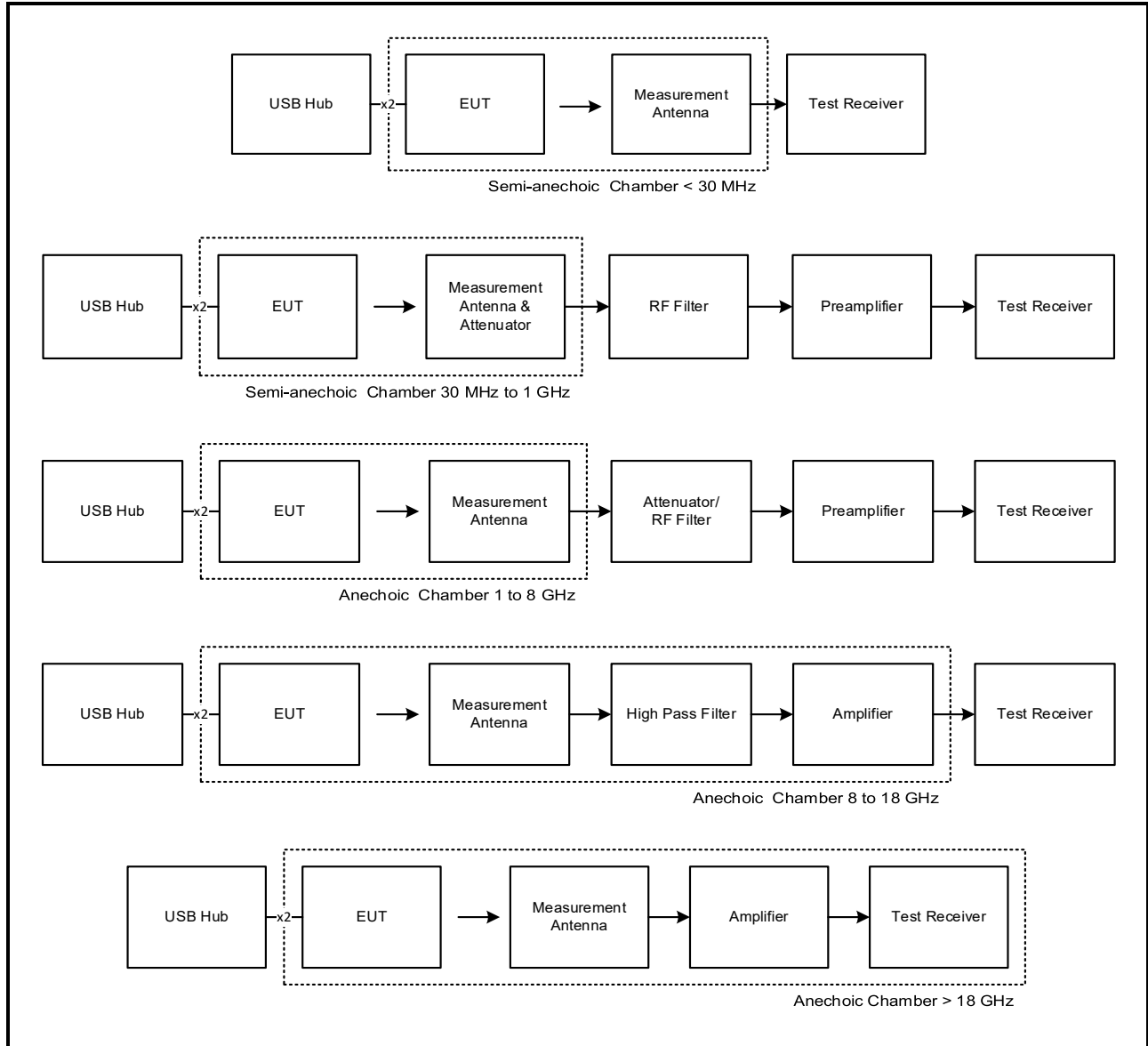
- Transmitting at maximum power in the following *Bluetooth* LE mode with modulation, maximum possible data length available and Pseudorandom Bit Sequence 9:
- Transmit tests: A test laptop with a third party test application 'Btool' was used to place the EUT into *Bluetooth* LE test mode. The EUT was connected to the test laptop via a USB to UART cable. The application was used to enable continuous transmission and to select the test channels as required. For radiated tests, the laptop and cable were removed once the EUT was configured.
- The EUT was powered by an internal CR2032 battery.
- Transmitter radiated spurious emissions tests were performed with the EUT in the worst-case orientation.
- The EUT set configured to transmit at -3 dBm for all tests.

Test Setup Diagrams

Conducted Tests:

Test Setup for Conducted Tests



Test Setup Diagrams (continued)**Radiated Tests:****Test Setup for Radiated Emissions**

4 Antenna Port Test Results

4.1 Duty Cycle

Test Summary:

Test Engineer:	Jerome Moyo	Test Date:	03 March 2026
Test Sample Serial Number:	K2VBRN3K		

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	44

Note(s):

1. To assist with the determination of the average level of spurious emissions field strength, measurements were made of duty cycle to determine the transmission duration and the silent period time of the transmitter.

Results:

Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause:	15.35(c) RSS-Gen 8.2	Test Method:	ANSI C63.10 11.6

Antenna Configuration:	SISO	Mode:	LE
Test Port:	4 (Ant 1)	Rate/Modulation:	LE 1M (GFSK)

Test Frequency (MHz)	Burst Type	Stability	Duty Cycle (%)	Period (ms)	Width (ms)
2402	Constant Tx	< ±2%	100.00	-	-
2440	Constant Tx	< ±2%	100.00	-	-
2480	Constant Tx	< ±2%	100.00	-	-

4.2 99% Occupied Bandwidth**Test Summary:**

Test Engineer:	Jerome Moyo	Test Date:	03 March 2026
Test Sample Serial Number:	K2VBRN3K		

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	44

Note(s):

1. The transmitter output is connected to a signal analyser. The RBW is set in the range of 1% to 5% of the 99% OBW. The VBW is set to $\geq 3 \times \text{RBW}$. The sweep time is coupled. The 99% emission bandwidth was calculated by the test system using the raw trace data from the signal analyser.
2. An example plot on the worst-case channel can be seen below to show setting parameters comply with testing procedure. All other plots are archived on the UL IT server and available for inspection if required.

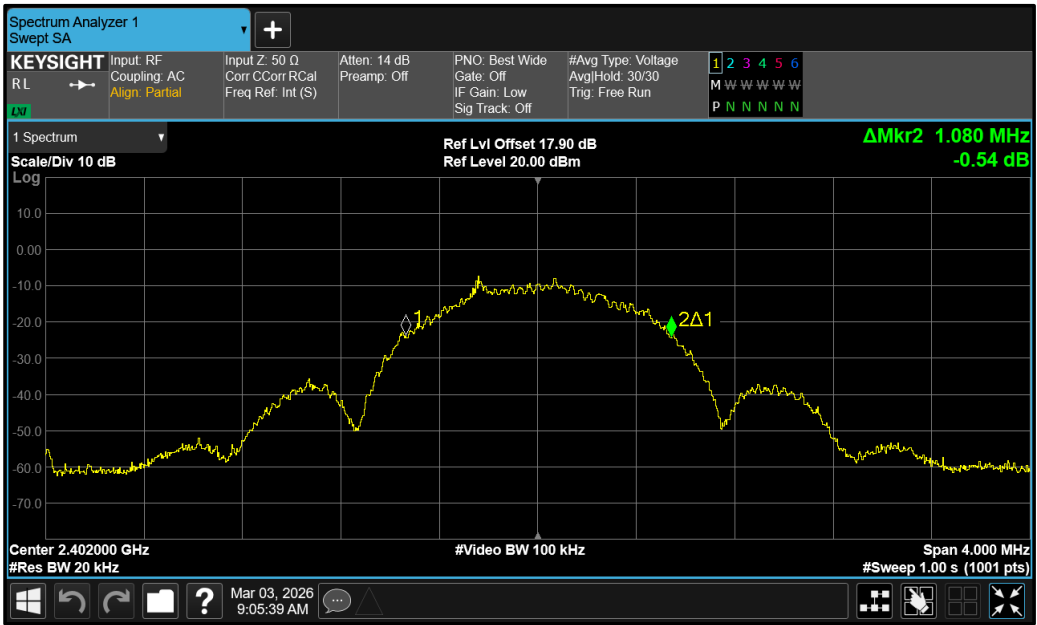
99% Occupied Bandwidth (continued)

Results:

Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause:	RSS-Gen 6.7	Test Method:	ANSI C63.10 6.9.3

Antenna Configuration:	SISO	Mode:	LE
Test Port:	4 (Ant 1)	Rate/Modulation:	LE 1M (GFSK)

Test Frequency (MHz)	99% Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2402	-	-	-	1.080	-
2440	-	-	-	1.068	-
2480	-	-	-	1.072	-



Bottom Channel

4.3 Minimum 6 dB Bandwidth

Test Summary:

Test Engineer:	Jerome Moyo	Test Date:	03 March 2026
Test Sample Serial Number:	K2VBRN3K		

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	44

Note(s):

1. The transmitter output is connected to a signal analyser. The resolution bandwidth was set to 100 kHz and video bandwidth 300 kHz. A peak detector was used, sweep time was set to auto and the trace mode was Max Hold. The DTS bandwidth was measured at 6 dB down from the peak of the signal.
2. An example plots on the worst-case channel can be seen below to show setting parameters comply with testing method/procedure. All other plots are archived on the UL IT server and available for inspection if required.

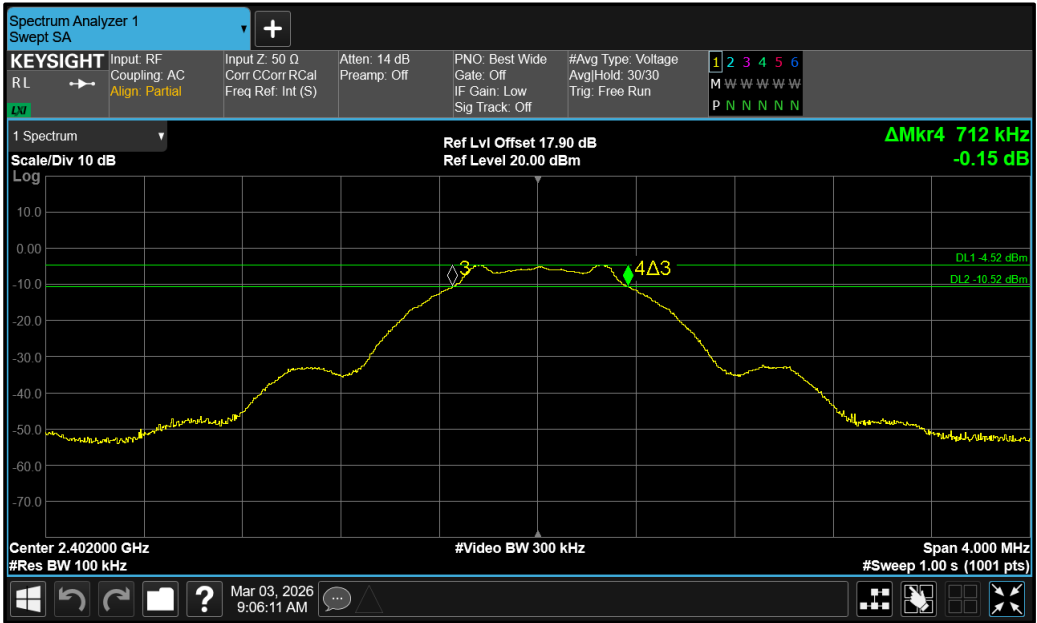
Minimum 6 dB Bandwidth (continued)

Results:

Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause:	15.247 (a)(2) RSS-Gen 6.7 / RSS-247 6.3.1(a)	Test Method:	ANSI C63.10 11.8.1

Antenna Configuration:	SISO	Mode:	LE
Test Port:	4 (Ant 1)	Rate/Modulation:	LE 1M (GFSK)

Test Frequency (MHz)	6 dB Bandwidth (MHz)				Limit (kHz)
	1	2	3	4	
2402	-	-	-	0.712	≥500.0
2440	-	-	-	0.704	≥500.0
2480	-	-	-	0.704	≥500.0



Bottom Channel

4.4 Maximum Peak Output Power

Test Summary:

Test Engineer:	Jerome Moyo	Test Date:	03 March 2026
Test Sample Serial Number:	K2VBRN3K		

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	44

Note(s):

1. The declared antenna gain was added to the conducted peak power to obtain the EIRP.
2. The maximum antenna gain is less than 6 dBi.

Results:

Frequency Range:	2400-2483.5 MHz	Band:	2.4 GHz
Limit Clause:	15.247 (b)(3) RSS-247 6.3.2	Test Method:	ANSI C63.10 Section 11.9.1.2

Antenna Configuration:	SISO	Mode:	LE
Test Port:	4 (Ant 1)	Rate/Modulation:	LE 1M (GFSK)

Test Frequency (MHz)	Maximum Conducted Output Power (dBm)					Limit (dBm)	Margin (dB)	Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	EIRP Margin (dB)
	1	2	3	4	Σ						
2402	-	-	-	-2.18	-	30.00	32.18	1.24	-0.94	36.00	36.94
2440	-	-	-	-2.11	-	30.00	32.11	1.24	-0.87	36.00	36.87
2480	-	-	-	-2.03	-	30.00	32.03	1.24	-0.79	36.00	36.79

5 Radiated Test Results

5.1 Radiated Emissions <1 GHz

Test Summary:

Test Engineer:	John Ferdinand	Test Date:	03 March 2026
Test Sample Serial Number:	K2VBRN2V		

FCC Clause:	Parts 15.247(d) & 15.209(a)
ISED Canada Clause:	RSS-247 6.6 / RSS-Gen 6.13 & 8.9
Test Method Used:	ANSI C63.10 Sections 6.3, 6.4 and 6.5
Frequency Range	9 kHz to 1000 MHz

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	44

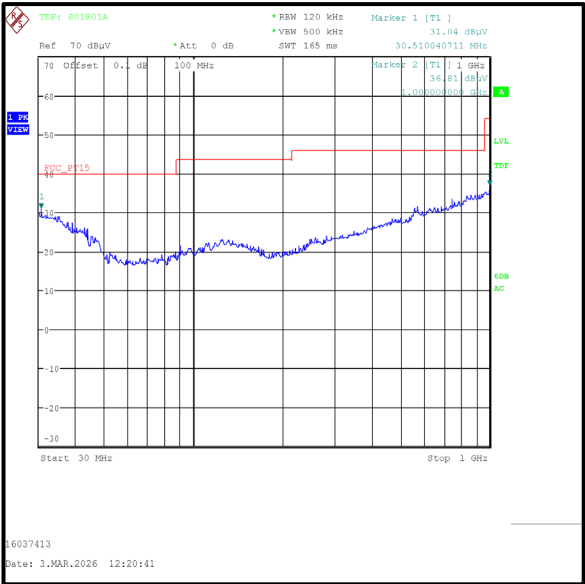
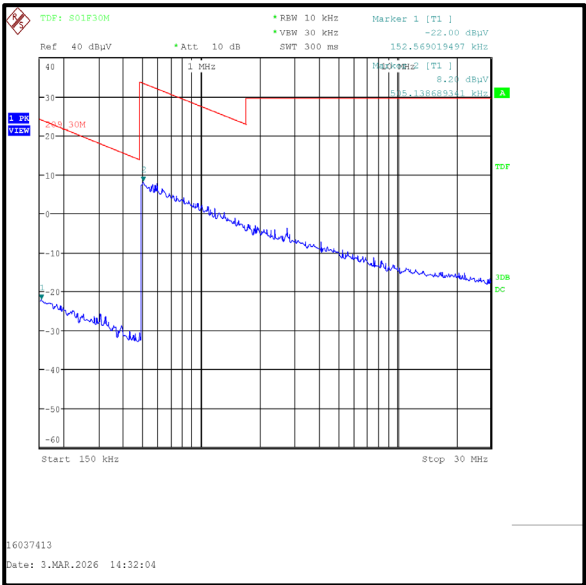
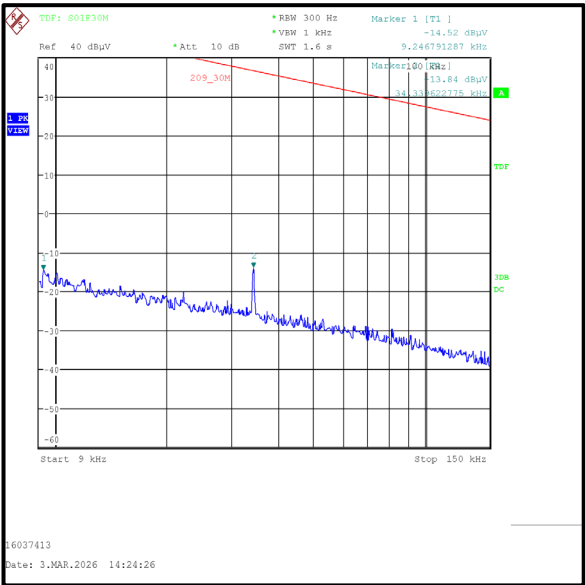
Note(s):

1. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
2. The preliminary scans showed similar emission levels below 1 GHz, for each channel of operation. Therefore, final radiated emissions measurements were performed with the EUT set to the middle channel only.
3. All emissions shown on the pre-scans were investigated and found to be ambient, > 20 dB below the appropriate limit or below the noise floor of the measurement system. Therefore the highest noise floor level has been recorded in the table below.
4. Measurements below 30 MHz were performed in a semi-anechoic chamber (Asset Number K0001) at 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. ANSI C63.10 clause 5.2 states an alternative test site that can demonstrate equivalence to an open area test site may be used for measurements below 30 MHz. Therefore, measurements were performed in a semi-anechoic chamber. The correlation data between semi-anechoic chamber and an open field test site is available upon request.
5. The measured values at 3 metres were extrapolated to the required measurement distances of 300 metres and 30 metres and compared to the specified limits at those distances:
 - a. 9 kHz to 490 kHz: measured value extrapolated from 3 metres to 300 metres by subtracting 80 dB at 40 dB / decade
 - b. 490 kHz to 30 MHz: measured value extrapolated from 3 metres to 30 metres by subtracting 40 dB at 40 dB / decade
6. Measurements from 30 MHz to 1 GHz were performed in a semi-anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 80 cm above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
7. Pre-scans were performed and markers placed on the highest measured levels. The test receiver was configured as follows: For 9 kHz to 150 kHz, the resolution bandwidth was set to 300 Hz and video bandwidth 1 kHz. A peak detector was used and trace mode was Max Hold. For 150 kHz to 30 MHz, the resolution bandwidth was set to 10 kHz and video bandwidth 30 kHz, trace mode was Max Hold. For 30 MHz to 1 GHz, the resolution bandwidth was set to 120 kHz and video bandwidth 500 kHz. A peak detector was used, sweep time was set to auto and trace mode was Max Hold.
8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-Gen Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dB μ V/m, which is equivalent to $Y - 51.5 = Z$ dB μ A/m, which has the same margin, W dB, to the corresponding RSS-Gen Table 6 limit as it has to the 15.209(a) limit.

Radiated Emissions (continued)

Results: Peak / Middle Channel / LE1M

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Polarity
1000.000	36.8	54.0	17.2	Horizontal



5.2 Radiated Emissions >1 GHz

Test Summary:

Test Engineer:	John Ferdinand	Test Date:	02 March 2026
Test Sample Serial Number:	K2VBRN2V		

FCC Clause:	Parts 15.247(d) & 15.209(a)
ISED Canada Clause:	RSS-247 6.6 / RSS-Gen 6.13 & 8.9
Test Method Used:	ANSI C63.10 Sections 6.3, 6.6, 11.11 & 11.12
Frequency Range	1 GHz to 25 GHz

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	43

Note(s):

1. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
2. All other emissions shown on the pre-scans were investigated and found to be ambient, > 20 dB below the appropriate limit or below the noise floor of the measurement system.
3. The emission shown on the 1 GHz to 3 GHz plot is the EUT fundamental.
4. Pre-scans above 1 GHz were performed in a fully anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 metres above the test chamber floor in the centre of the chamber turntable. All measurement antennas were placed at a fixed height of 1.5 metres above the test chamber floor, in line with the EUT.
5. Final measurements above 1 GHz were performed in a semi-anechoic chamber (Asset Number K0001) at a distance of 3 metres. The EUT was placed at a height of 1.5 m above the reference ground plane in the centre of the chamber turntable. Maximum emission levels were determined by height searching the measurement antenna over the range 1 metre to 4 metres.
6. The test receiver resolution bandwidth was set to 1 MHz and video bandwidth 3 MHz. The sweep time was set to auto. Peak and average measurements were performed with their own appropriate detectors during the pre-scan measurements.
7. The reference level for the emission in the non-restricted band was established by following ANSI C63.10 Section 11.11.2 procedure.
8. #In accordance with ANSI C63.10 Section 6.6.4.3, Note 1, if the peak measured value complies with the average limit, it is unnecessary to perform an average measurement.
9. -20 dBc limit applies in non-restricted band as the conducted output power measurements were performed using a peak detector.

Radiated Emissions (continued)**Results: Bottom Channel / Peak / LE1M**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
4803.853	53.5	54.0 [#]	0.5	Horizontal

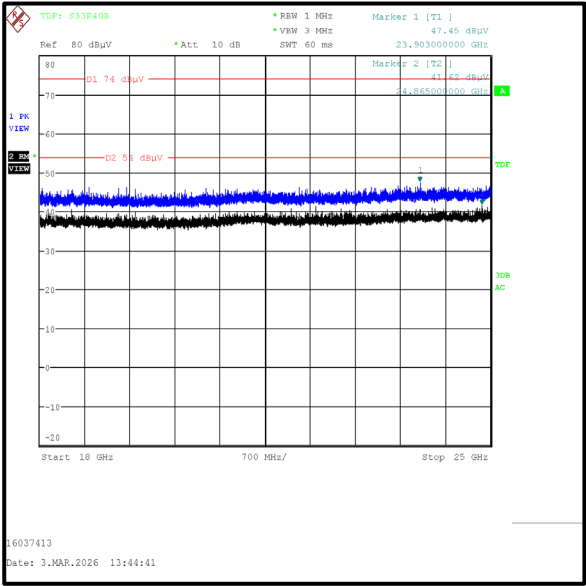
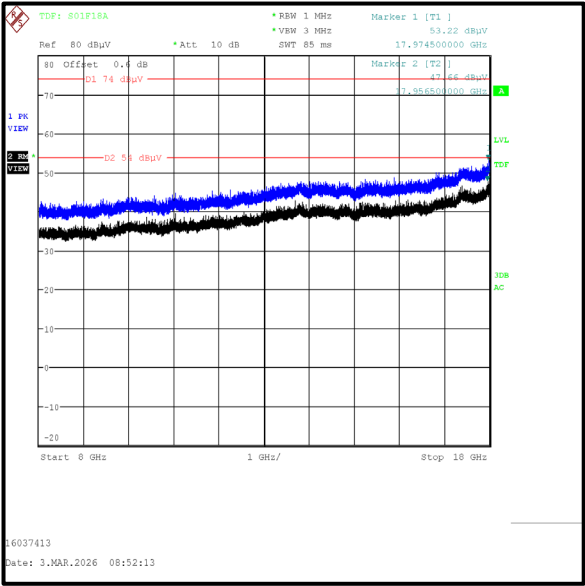
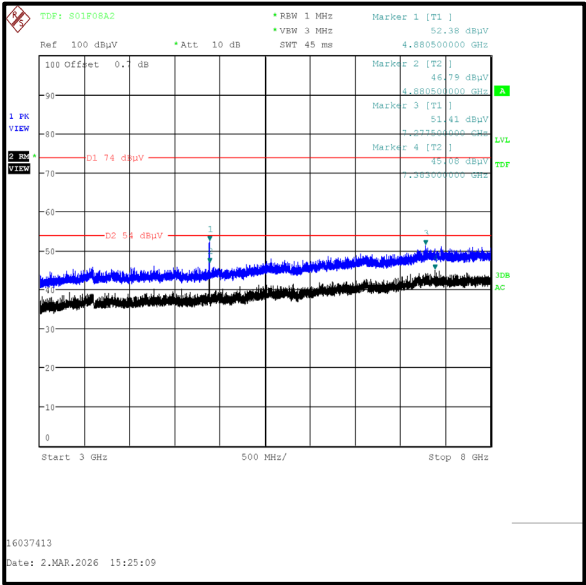
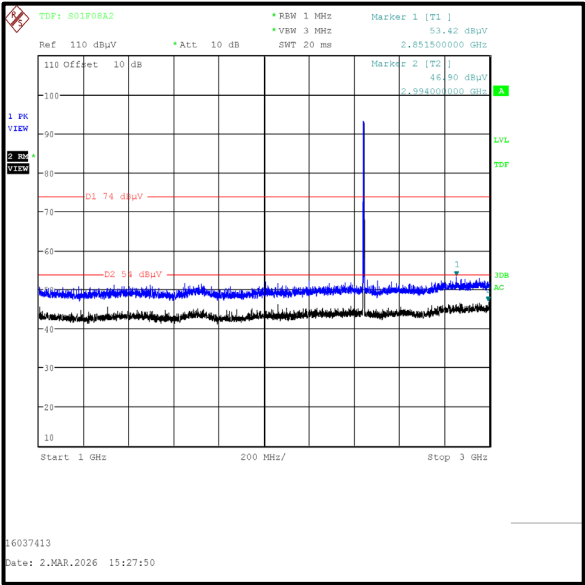
Results: Middle Channel / Peak / LE1M

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
4879.290	53.6	54.0 [#]	0.6	Horizontal
7316.17	52.0	54.0 [#]	2.0	Horizontal

Results: Top Channel / Peak / LE1M

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
4959.475	52.7	54.0 [#]	1.3	Horizontal
7440.597	51.5	54.0 [#]	2.5	Horizontal

Radiated Emissions (continued)



Note: The plots are pre-scans and for indication purposes only. For final measurements, see accompanying tables.

5.3 Band Edge Radiated Emissions

Test Summary:

Test Engineer:	John Ferdinand	Test Date:	02 March 2026
Test Sample Serial Number:	K2VBRN2V		

FCC Clause:	Parts 15.247(d) & 15.209(a)
ISED Canada Clause:	RSS-247 6.6 / RSS-Gen 6.13
Test Method Used:	ANSI C63.10 Sections 7.5, 11.11 & 11.12

Environmental Conditions:

Temperature (°C):	21
Relative Humidity (%):	43

Note(s):

1. The final measured value, for the given emission, in the table below incorporates the calibrated antenna factor and cable loss.
2. As the lower band edge is adjacent to a non-restricted band, only peak measurements are required. In accordance with ANSI C63.10 Section 11.11.1, the test method in Section 11.11.3 was followed: the test receiver resolution bandwidth was set to 100 kHz and video bandwidth 300 kHz. A peak detector was used, sweep time was set to auto and trace mode was Max Hold. The test receiver was left to sweep for a sufficient length of time in order to maximise the carrier level and out-of-band emissions. A marker and corresponding reference level line were placed on the peak of the carrier. As the maximum peak conducted output power was measured using an peak detector in accordance with ANSI C63.10 Section 11.9.1.1 an out-of-band limit line was placed 20 dB (ANSI C63.10 Section 11.11.1(a)) below the peak level. A marker was placed on the band edge spot frequencies. Marker frequency and levels were recorded.
3. As the upper band edge is adjacent to a restricted band, both peak and average measurements were recorded by placing a marker at the edge of the band. For peak measurements the test receiver resolution bandwidth was set to 1 MHz and the video bandwidth 3 MHz. A peak detector was used, sweep time was set to auto and trace mode was Max Hold. For average measurements the test receiver resolution bandwidth was set to 1 MHz and the video bandwidth 3 MHz. An RMS detector was used, sweep time was set to auto and trace mode was Max Hold. A marker was placed on the band edge spot frequencies and a second marker placed on the highest emission level in the adjacent restricted band of operation (where a higher level emission was present). Marker frequencies and levels were recorded.
4. There is a restricted band 10 MHz below the lower band edge. The test receiver was set up as follows: the RBW set to 1 MHz, the VBW set to 3 MHz, with the sweep time set to auto couple. Peak and average measurements were performed with peak and RMS detectors respectively. Markers were placed on the highest point on each trace.
5. # -20 dBc limit.

Band Edge Radiated Emissions (continued)**Results: Peak / LE1M**

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
2400.0	46.5	72.4 [#]	25.9	Horizontal
2483.5	50.2	74.0	23.8	Horizontal
2485.904	51.3	74.0	22.7	Horizontal

Results: Average / LE1M

Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
2483.5	46.3	54.0	7.7	Horizontal
2499.599	46.8	54.0	7.2	Horizontal

Results: 2310 MHz to 2390 MHz Restricted Band / Peak

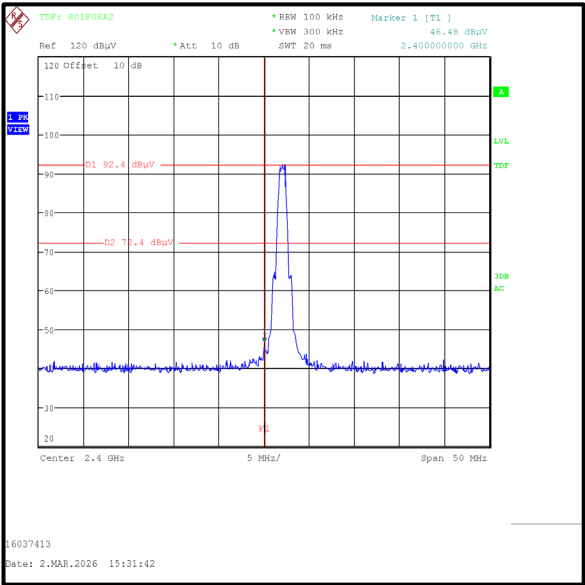
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
2379.231	52.7	74.0	21.3	Horizontal

Results: 2310 MHz to 2390 MHz Restricted Band / Average

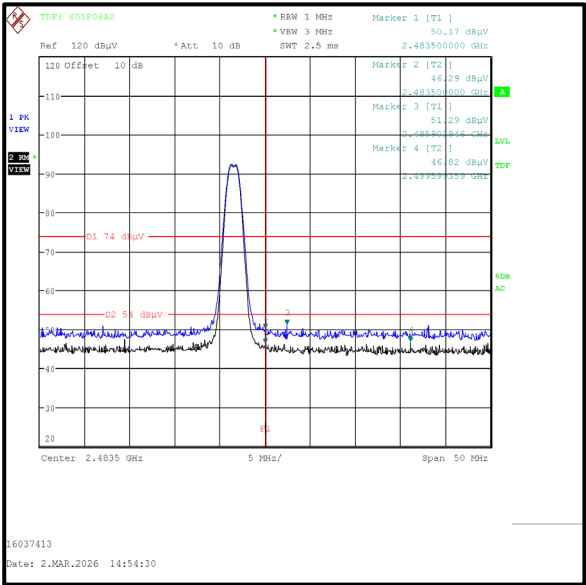
Frequency (MHz)	Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Polarity
2351.410	47.7	54.0	6.3	Horizontal

Band Edge Radiated Emissions (continued)

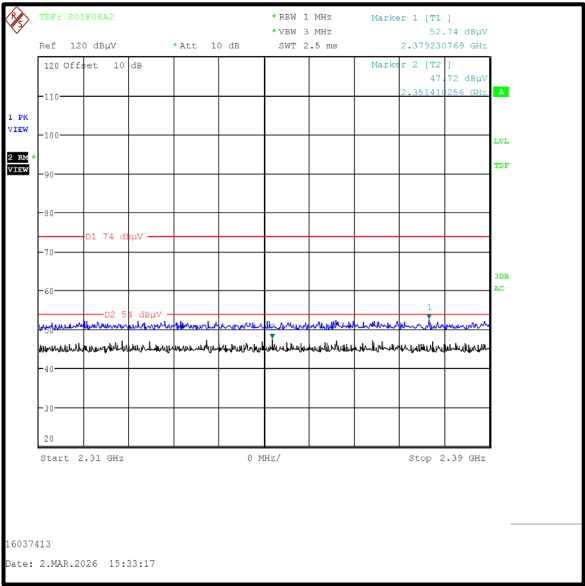
Results: LE1M



Lower Band Edge



Upper Band Edge



2310 MHz to 2390 MHz Restricted Band

--- END OF REPORT ---

Annex A: Product Identity Declaration / Model Variants

(Annex excluded from UKAS accreditation)

No.	Product Name	Unique Identification / Type / Description	Extent of Test
1	OneTouch Verio Reflect	White Plastic	Tested in full
2	OneTouch Ultra Plus Reflect	Blue Plastic	Not tested
Engineering statement for untested variants / product family:			
The customer declared that products 1 & 2 are identical from an RF perspective.			

--- END OF ANNEX ---