Test report issued under the responsibility of:
EMITECH MONTPELLIER laboratory
MRA US-EU Designation Number: FR0006
Canadian CAB Identifier: FR0003

RADIO TEST REPORT

FCC 47 CFR PART 15: June 2025
FCC part 15.249
RSS-210 Issue 11: June 2025
RSS-Gen Issue 5: April 2018 / AMD1: 2019 / AMD2: 2021
RSP-100 Issue 12: August 2019

Company ..... :	**OBERTHUR CASH PROTECTION**
Address..... :	3 BIS RUE DOCTEUR QUIGNARD 21000 DIJON FRANCE

Test item description. ..... :	**SCM (Security Control Module) for IBNS (Intelligent Banknote Neutralisation System) / ATM device**
Trade Mark. ..... :	OBERTHUR CASH PROTECTION
Manufacturer..... :	OBERTHUR CASH PROTECTION
Model/Type reference..... :	OCPICSDSCM / OCP_I0281 into OCP_ICSD-RM4V
FCC ID..... :	2AXRGOCPICSDSCM
IC. ..... :	26545-OCPICSDSCM
Ratings..... :	2.7Vdc to 3.6Vdc (internal battery)

Testing Laboratory..... :	**EMITECH MONTPELLIER laboratory**
Address..... :	145 rue de Massacan 34740 VENDARGUES FRANCE

Report Reference No..... :	**RR-EVE-25D039-3A**
Test procedure. ..... :	FCC IC Certification
Diffusion..... :	M. EZERZER Hugo
Applicant's name. ..... :	OBERTHUR CASH PROTECTION
Date of issue..... :	July 25, 2025
Total number of pages..... :	30
Revision..... :	0
Compiled by..... :	Célien FOUGEROLLE
Approved by (+ signature). ..... :	David MONTAULON (Laboratory Manager)

Duplication of this test report is only permitted for an integral photographic facsimile. It includes the number of pages referenced here above. This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole manufactured products of the tested sample.

REPORT INDEX:

REVISION HISTORY:

Revision	Date	Modified pages	Modifications
0	July 25, 2025	/	Creation

1. GENERAL INFORMATIONS

This document submits the results of Radio tests performed on the equipment **SCM (Security Control Module) for IBNS (Intelligent Banknote Neutralisation System) / ATM device** (denominated hereafter E.U.T.: equipment under test) according to document(s) listed in §2 of this test report.

TESTING PROCEDURE AND TESTING LOCATION:

Testing Location ..... :	EMITECH MONTPELLIER laboratory
Address. ..... :	145 rue de Massacan 34740 VENDARGUES FRANCE
Test procedure. ..... :	FCC IC Certification
Tested by ..... :	Célien FOUGEROLLE
Test supervisor ..... :	None
Date of receipt of test item ..... :	N/A
Date (s) of performance of tests ..... :	From June the 4th to the 6th of 2025

APPLICANT'S GENERAL INFORMATIONS:

Company name ..... :	OBERTHUR CASH PROTECTION
Company address. ..... :	3 BIS RUE DOCTEUR QUIGNARD 21000 DIJON - FRANCE
Person(s) present during the tests. ..... :	M. PATRU Aurelien M. EZERZER Hugo
Responsible. ..... :	M. EZERZER Hugo

GENERAL REMARKS:

The information in italics is declared by the manufacturer and is under his responsibility
The test results presented in this report relate only to the object tested.
The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

"(see Enclosure #)" refers to additional information appended to the report.
"(see appended table)" refers to a table appended to the report.
Throughout this report the decimal separator is point.

POSSIBLE TEST CASE VERDICTS:

Test case does not apply to the test object.:	N/A
Test case not performed..... :	N/P
Test object does meet the requirement..... :	P (Pass)
Test object does not meet the requirement. ..... :	F (Fail)

DEFINITIONS AND ABBREVIATIONS:

E.U.T.	Equipment Under Test	AE	Ancillary Equipment	Pk	Peak detector
RBW	Resolution BandWidth	VBW	Video BandWidth	QP	Quasi-peak detector
FSOATS	Free Space Open Area Test Site	FAR	Full Anechoic Room	Av	Average detector
VP	Vertical Polarization	HP	Horizontal Polarization	RMS	Root Mean Square
RF	Radio Frequency	N.T.R	Nothing To Report	N/C	Not Communicated
SAC	Semi Anechoic Chamber				

2. REFERENCE DOCUMENT(S)

NORMATIVE REFERENCES:
The following referenced documents are necessary for the application of the present test report. **FCC 47 CFR PART 15: June 2025** Code of federal regulations – Title 47 telecommunication Chapter 1- Federal Communication Commission Part 15- Radio frequency devices **FCC part 15.249** Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHZ, and 24.0-24.25 GHz. **RSS-210 Issue 11: June 2025** Licence-Exempt Radio Apparatus: Category I Equipment **RSS-Gen Issue 5: April 2018 / AMD1: 2019 / AMD2: 2021** General Requirements for Compliance of Radio Apparatus **RSP-100 Issue 12: August 2019** Certification of Radio Apparatus and Broadcasting Equipment **ANSI C63.10: 2020** American National Standard of Procedures for Compliance Testing of unlicensed Wireless Devices. Although the product standard uses obsolete technical standards, the latest versions of standards achievable by the laboratory will be used for testing.
INFORMATIVE REFERENCES:
The following referenced documents are not necessary for the application of the present test report but they assist the user with regard to a particular subject area.

3. EQUIPMENT TECHNICAL DESCRIPTION

3.1. Test Conditions

Test item description. ..... :	SCM (Security Control Module) for IBNS (Intelligent Banknote Neutralisation System) / ATM device
Model/Type reference..... :	OCPICSDSCM / OCP_I0281 into OCP_ICSD-RM4V
Trade Mark. ..... :	OBERTHUR CASH PROTECTION
Serial number (S/N). ..... :	Not communicated
Part number (P/N). ..... :	I1313
Software version. ..... :	*N/A*
Firmware version. ..... :	*L262 8.10*
Type of sample. ..... :	Pre-serial
Function(s)..... :	IBNS devices: ATM protection range of product SCM: ATM safe integrity survey, communication with ICSD devices ICSD: IBNS cassette module, permit to stain banknotes in case of attack detection
Manufacturer name. ..... :	OBERTHUR CASH PROTECTION
Address. ..... :	3 BIS RUE DOCTEUR QUIGNARD 21000 DIJON FRANCE

General product information:

N/A

3.2. E.U.T. Marking plate

3.3. E.U.T. Modification(s)

No modification

3.4. E.U.T. General view

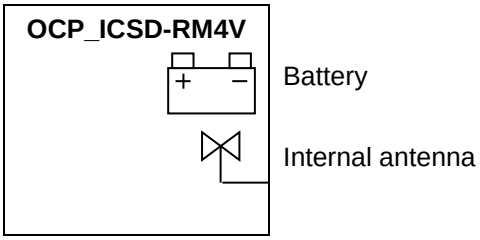
3.5. E.U.T. Mechanical and Electrical Design

Power supply.	:	*3.6Vdc power supply*
Power supply range.	:	*2.7Vdc to 3.6Vdc*
Power type.	:	*Battery powered*
Power (mW).	:	*<2*
Nominal current (µA).	:	*<500*
Dimensions (L x W x H) (m).	:	*0.591 x 0.300 x 0.1397*
Weight (kg).	:	*7.2*
Temperature range (°C).	:	*-20 to +65*
Ground bounding strap.	:	*No*

Comments:

N/A

3.6. E.U.T. Input/Output ports



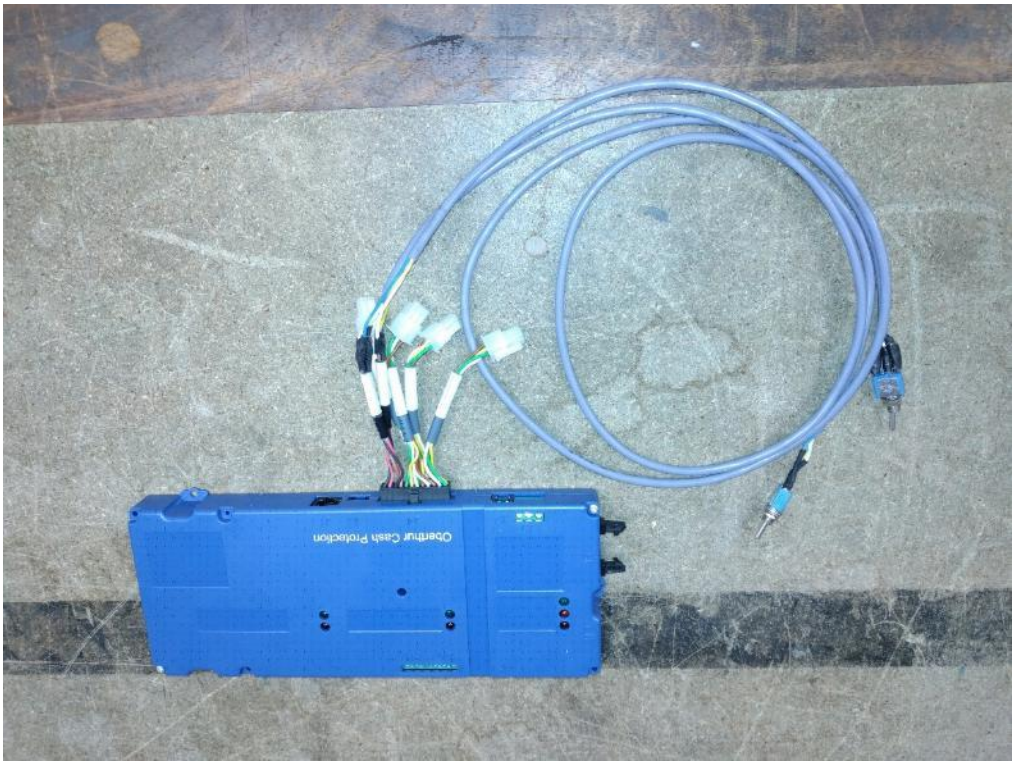
PORT	NAME	TYPE	LENGTH	CABLE TYPE	COMMENTS
0	Main frame	N/E	N/A	Plastic	
1	Battery	DC		2P	3.6Vdc
2	Internal antenna	RF	N/A	N/A	Dedicated antenna

AC/DC :	AC/DC Converter port	AC..... :	Alternative current port	DC..... :	Direct current port
I/O .....:	Input or Output port	TP ..... :	Telecommunication port	RF ..... :	Radio frequency port
N/E .....:	Non Electrical port				

3.7. Supporting Equipment Used During Test

Sample subject to the tests was tested with following equipment.

PRODUCT TYPE	MANUFACTURER	MODEL	N°EMITECH / COMMENTS
SCM	OBERTHUR CASH PROTECTION	OCPICSDSCM	Used to initiate radio communication with the E.U.T.

SCM (AE)


3.8. EUT Radio Specifications

a) GENERAL INFORMATIONS

According to manufacturer's declarations :

EUT type..... : *Transceiver*
Technology..... : *SRD*
Environmental profile..... : *Data transmissions*
Temperature range..... : *-20°C to +65°C*
Antenna type ..... : *Dedicated*
Antenna Gain..... : *Not communicated*

Comments:

EUT includes an RF module already certified, see appropriates tests report for full testing results.
FCC ID: 2AXRGOCPICSDSCM
IC: 26545-OCPICSDSCM

b) TRANSMITTER PARAMETERS (TX)

Frequency bands..... : *902 - 928 MHz*
RF Power..... : *-10dBm*
Number of channels / Separation..... : *2*
Modulation type ..... : *GFSK*
Duty cycle ..... : *0.1%*
Tested frequency..... : *Low channel: 915.03MHz*
High channel: 915.6MHz

c) RECEIVER PARAMETERS (RX)

Frequency bands..... : *Low channel: 915.03MHz*
High channel: 915.6MHz
Category/Class ..... : *Category 2*
Bandwidth..... : *150kHz*

4. RESULT SUMMARY

TEST DESIGNATION	SEVERITY	VERDICT	BASIC STANDARDS / COMMENTS
Duty Cycle of Test Signal	-	-	**Used to compute duty cycle correction factor for average spurious measurement.**
Radiated spurious emissions			**ANSI C63.10: 2020**
- Spurious / Tx mode / 0° / All channels	15.209	**PASS**	
- Spurious / Tx mode / 45°/ All channels	15.209	**PASS**	
- Spurious / Tx mode / 90° / All channels	15.209	**PASS**	
- Spurious / Low channel	15.209	**PASS**	
- Spurious / High channel	15.209	**PASS**	
- Spurious / Low channel / F>1GHz	15.209	**PASS**	
- Spurious / High channel / F>1GHz	15.209	**PASS**	
Field strength of fundamental			**ANSI C63.10: 2020**
- Field strength of fundamental - High channel	93.98 dBµV/m	**PASS**	
- Field strength of fundamental - Low channel		**PASS**	

Sample subject to the test complies for tests done with the requirements of the reference document(s) listed in §2 of this test report and, where applicable, with deviation(s) specified in this document.

To declare, or not, the compliance with the specifications, it was not explicitly taken into account of uncertainty associated with the results with the exception of emission tests based on CISPR standards.

TEST(S) PERFORMED	MODIFICATION(S)
ANSI C63.10: 2014	N/A

5. MEASUREMENT UNCERTAINTY

PARAMETER	MAXIMAL EMITECH UNCERTUNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Radio frequency	± 1 x 10^{-7}	±1 x 10^{-7}
Maximum frequency deviation		
300 Hz < audio frequency < 6 kHz	± 1.2 %	± 5 %
6 kHz < audio frequency < 25 kHz	± 1.2 %	± 3 dB
Adjacent channel power	± 1.6 dB	± 3 dB
Sensitivity of receiver (conducted)	± 2.0 dB	± 3 dB
Blocking	± 4.0 dB	± 4 dB
Transient		
Amplitude	± 8.5 %	± 20 %
At the frequency	± 166 Hz	± 250 Hz
Radiated power (ERP / EIRP / spurious)		
f ≤ 62.5 MHz	± 5.2 dB	± 6 dB
62.5 MHz - 1 GHz	± 5.4 dB	± 6 dB
1 GHz - 18 GHz(~)	± 5.2 dB	± 6 dB
18 GHz – 40 GHz	± 5.9 dB	± 6 dB
40 GHz – 110 GHz	± 5.9 dB	Between ± 6 to 10 dB
180-1000 MHz / 1 – 12.75 GHz (EN 301908-1)	± 2.8 / 2.7 dB	± 3 dB
RF power (EN 300328 / EN 301893)	± 5.3 dB	± 6 dB
EIRP and power spectral density with diode	± 5.4 dB	± 6 dB
Radiated emission (magnetic field)		
9kHz – 30MHz	± 4,3 dB	± 6 dB
RF level for a given BER	± 0.8 dB	± 1.5 dB
Supply voltages	± 2,9 %	± 3 %
Temperature	± 0,95 °C	± 1°C
Humidity	± 4,6 %	± 5 %
Time / Duty cycle	± 4.4 %	± 5 %
Adaptivity	± 3.2 dB	/
Conducted emission (FCC)		
(Artificial Mains Network) 150kHz – 30MHz	± 3.7 dB	/
Radiated emission (electric field for FCC standard)		
9kHz – 30MHz	± 4.3 dB	/
30MHz – 1GHz	± 5.9 dB	/
1GHz – 18GHz	± 4,8 dB	/
18GHz – 40GHz	± 5,9 dB	/
40GHz – 140GHz	± 5.7 dB	/
Radiated power (EIRP / spurious) vehicle chamber n°19046		
1 GHz - 6 GHz	± 9.9 dB	± 6 dB
6 GHz - 18 GHz	± 5.9 dB	± 6 dB

For the calculation of expanded uncertainty, the confidence interval is 95 % (k=2).

6. TEST CONDITIONS AND RESULTS

6.1. Duty Cycle of Test Signal

Reference standard:	FCC part 15 RSS 210
Test method:	ANSI C63.10: 2020
Test description: EUT is set on an insulating support at 80cm above the ground reference plane. Measurement are done on a normalized test site.	

TEST EQUIPMENT USED					
CATEGORY	**BRAND**	**TYPE**	**IDENTIFIER**	**CAL. DATE**	**CAL. DUE**
Antenna	ETS lindgren	3143B	17930	10/04/2025	10/06/2028
Attenuator	EMITECH	SUB.V4-H	18112	28/05/2024	28/07/2025
Attenuator	EMITECH	SUB.V4-V	18111	28/05/2024	28/07/2025
Cable	Techniwave	N-1m	18343	17/08/2023	17/10/2025
Cable	Techniwave	N-3.5m	18353	17/08/2023	17/10/2025
Cable	Techniwave	N-4m	18355	17/08/2023	17/10/2025
Converter		2.15	9988		
Receiver	Rohde & Schwarz	ESW26	17791	16/07/2024	16/09/2025
Shielded enclosure	COMTEST	C.V4	18014	05/11/2024	05/01/2028
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H2	12268	18/02/2025	18/04/2027
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26 Blank cells = Permanent validity

DUTY CYCLE OF TEST SIGNAL - GRAPH			
EUT mode:	Tx mode	**T (°C):**	23.1
Test Date:	29/06/2022	**H (%):**	58.4
Test Operator:	CFO	**P (hPa):**	1010

Duty Cycle = 1.245/100 = 0.0011 (1.245%)

Duty Factor = 20 * log(Duty Cycle) = -38.09

Duty cycle test mode is < 98%. A **-38.09** duty cycle correction factor have to be considered for average measurement if needed.

6.2. Radiated spurious emissions

Reference standard:	FCC Part 15.209 RSS-Gen
Test method:	ANSI C63.10: 2020
General test setup: EUT is set on an insulating support at 80cm above the ground reference plane. First (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located in horizontal and vertical polarities and, for SAC method, at various heights. Final measurements (quasi-peak) were then performed in a reference test site that complies to CISPR 16-1-4. The EUT was rotated 360° about its azimuth and, for SAC method, adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarization, where applicable.	

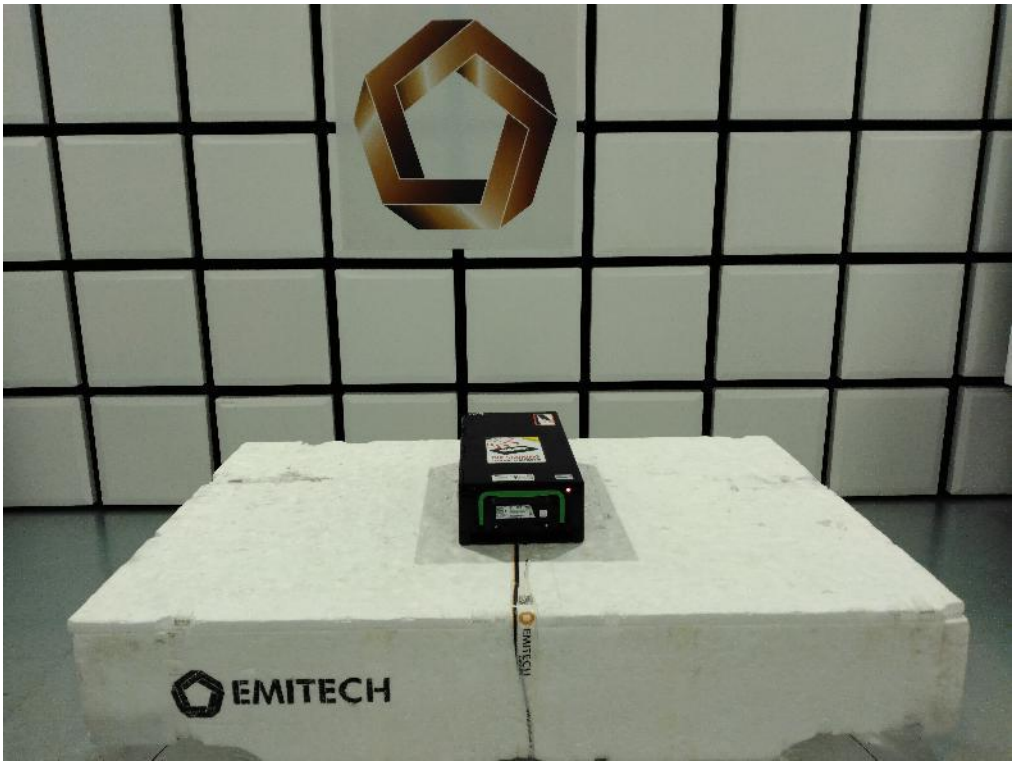
TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Spurious / Tx mode / 0° / All channels	9kHz-30MHz	15.209	EMI4695	**PASS**
Spurious / Tx mode / 45°/ All channels	9kHz-30MHz		EMI4696	**PASS**
Spurious / Tx mode / 90° / All channels	9kHz-30MHz		EMI4697	**PASS**
Spurious / Low channel	30MHz-1GHz	15.209 RSS-Gen	EMI4651	**PASS**
Spurious / High channel	30MHz-1GHz		EMI4652	**PASS**
Spurious / Low channel / F>1GHz	1GHz-10GHz		EMI4710	**PASS**
Spurious / High channel / F>1GHz	1GHz-10GHz		EMI4711	**PASS**

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	10 to 40 °C	See Graph(s)
Relative Humidity	10 to 90 %	See Graph(s)
Atmospheric pressure	N/A	See Graph(s)
Test method deviation: N/A		
Supplementary information: N/A		

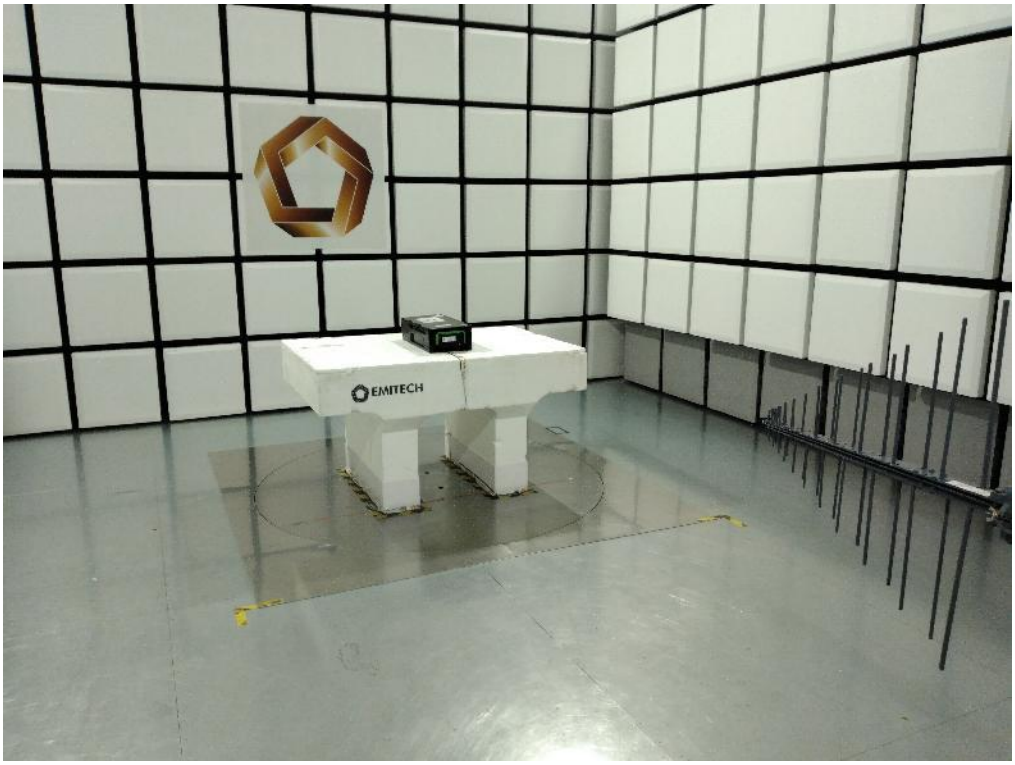
TEST EQUIPMENT USED					
CATEGORY	**BRAND**	**TYPE**	**IDENTIFIER**	**CAL. DATE**	**CAL. DUE**
Antenna	Electro Metrics	BIA-30HF	1107	10/04/2025	10/06/2028
Antenna	Rohde & Schwarz	HFH2-Z2	5825	25/04/2025	25/06/2027
Antenna	Rohde & Schwarz	HL223	1137	10/04/2025	10/06/2028
Antenna	AARONIA	Powerlog 70180	15306	04/01/2023	04/03/2026
Cable	MegaPhase	F135N1N28	16661	16/08/2023	16/10/2025
Cable	MegaPhase	F135N1N28	16662	16/08/2023	16/10/2025
Cable	Techniwave	N-1.5m	18340	17/08/2023	17/10/2025
Cable	Techniwave	N-1.5m	18341	17/08/2023	17/10/2025
Cable	Techniwave	N-1m	18343	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-3m	14378	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-6,5m	14380	17/08/2023	17/10/2025
Cable	Techniwave	N-8m	18349	17/08/2023	17/10/2025
Filter	Micro-Tronics	HPM18865	12843	03/12/2024	03/02/2028
Preamplifier	IMPULSE	CA118-546ACN	9169	01/10/2024	01/12/2025
Receiver	Rohde & Schwarz	ESW26	17791	16/07/2024	16/09/2025
Receiver	Rohde & Schwarz	ESW8	19536	02/05/2024	02/07/2025
Shielded enclosure	COMTEST	C.V4	18014	05/11/2024	05/01/2028
Shielded enclosure	COMTEST	SAC 3m	14494	08/08/2023	08/10/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26 Blank cells = Permanent validity

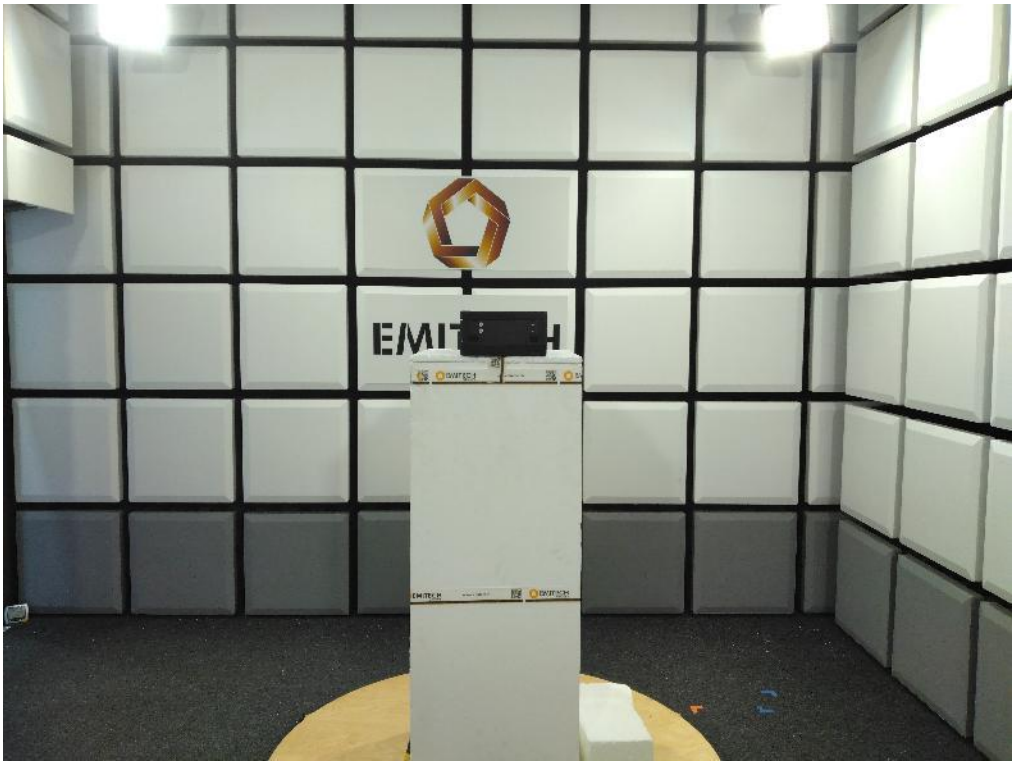
TEST SETUP PHOTO(S) – EUT POSITION FOR F<1GHZ

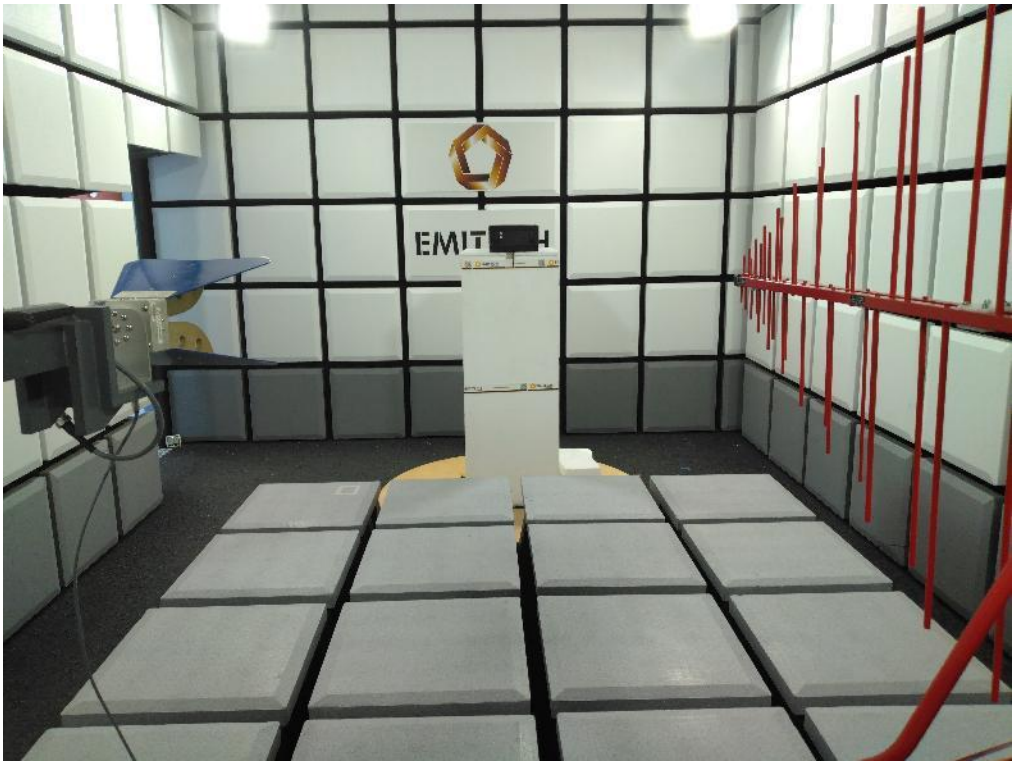


TEST SETUP PHOTO(S) - ICSD DN RM4V - SPURIOUS / LOW CHANNEL / P=-10 / F>1GHZ



TEST SETUP PHOTO(S) - FOR F<30MHZ


TEST SETUP PHOTO(S) – EUT POSITION FOR F>1GHZ


TEST SETUP PHOTO(S) – FOR F>1GHZ


RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / TX MODE / 0° / ALL CHANNELS					EMI4695
FREQUENCY (MHz)	LEVEL (dBµA/m)	PEAK LEVEL (dBµA/m)	QPEAK LIMIT (dBµA/m)	AVG LIMIT (dBµA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / TX MODE / 45°/ ALL CHANNELS					EMI4696
FREQUENCY (MHz)	LEVEL (dBµA/m)	PEAK LEVEL (dBµA/m)	QPEAK LIMIT (dBµA/m)	AVG LIMIT (dBµA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / TX MODE / 90° / ALL CHANNELS					EMI4697
FREQUENCY (MHz)	LEVEL (dBµA/m)	PEAK LEVEL (dBµA/m)	QPEAK LIMIT (dBµA/m)	AVG LIMIT (dBµA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

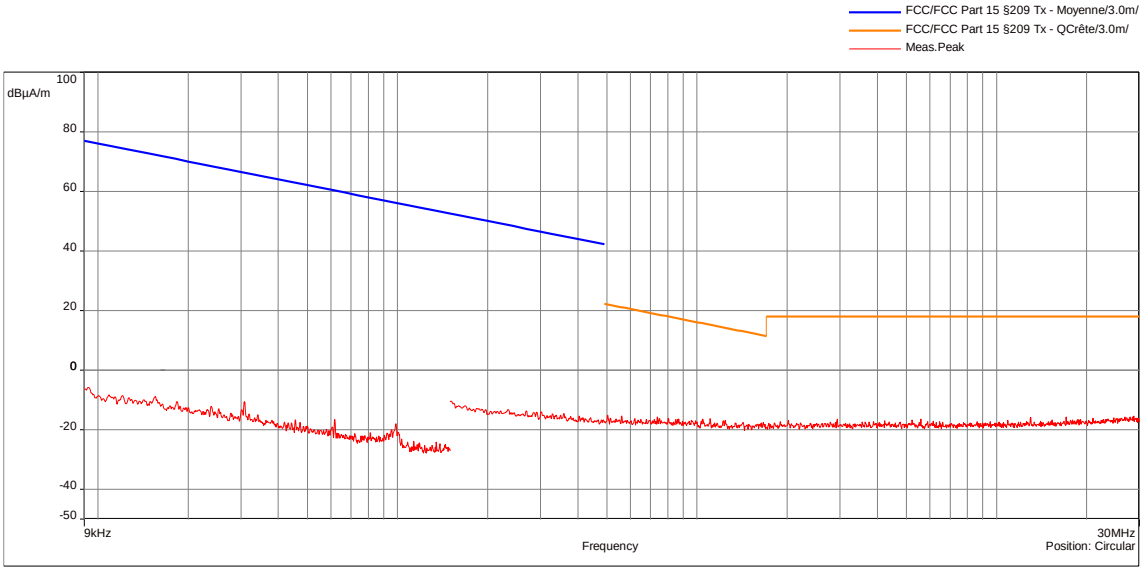
RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / LOW CHANNEL					EMI4651
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBµV/m)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / HIGH CHANNEL					EMI4652
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBµV/m)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / LOW CHANNEL / F>1GHZ				EMI4710	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBµV/m)	AVG LEVEL COMPUTED WITH DUTY FACTOR (dBµV/m)	AVG LIMIT (dBµV/m)	MARGING (dB)
1829.88	Vertical	59.16	21.07	54	-32.93
1829.88	Horizontal	67.61	29.53	54	-24.48
Supplementary information: N/A					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
SPURIOUS / HIGH CHANNEL / F>1GHZ				EMI4711	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBµV/m)	AVG LEVEL COMPUTED WITH DUTY FACTOR (dBµV/m)	AVG LIMIT (dBµV/m)	MARGING (dB)
1830.78	Vertical	59.27	21.18	54	-32.82
1830.78	Horizontal	67.50	29.41	54	-24.59
Supplementary information: N/A					

RADIATED SPURIOUS EMISSIONS - GRAPH			
SPURIOUS / TX MODE / 0° / ALL CHANNELS		EMI4695	
EUT mode:	Tx continuous	**T (°C):**	23.6
Test Date:	05/06/2025	**H (%):**	60.0
Test Operator:	CFO	**P (hPa):**	1005

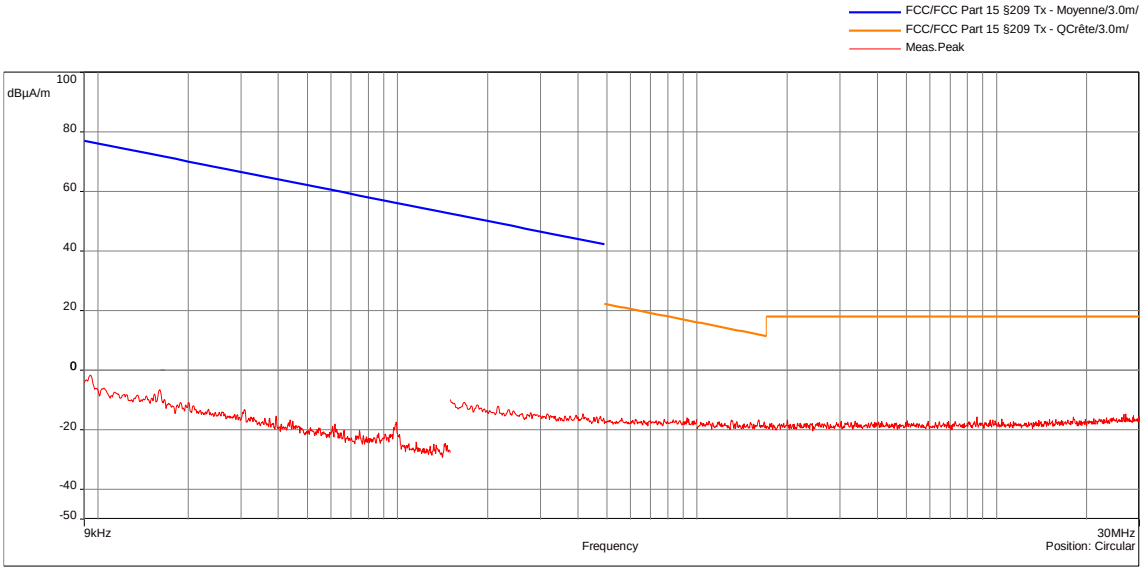


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor. No spurious emissions were detected.

EUT modification(s): N/A

RADIATED SPURIOUS EMISSIONS - GRAPH			
SPURIOUS / TX MODE / 45°/ ALL CHANNELS		EMI4696	
EUT mode:	Tx continuous	**T (°C):**	23.6
Test Date:	05/06/2025	**H (%):**	60.0
Test Operator:	CFO	**P (hPa):**	1005

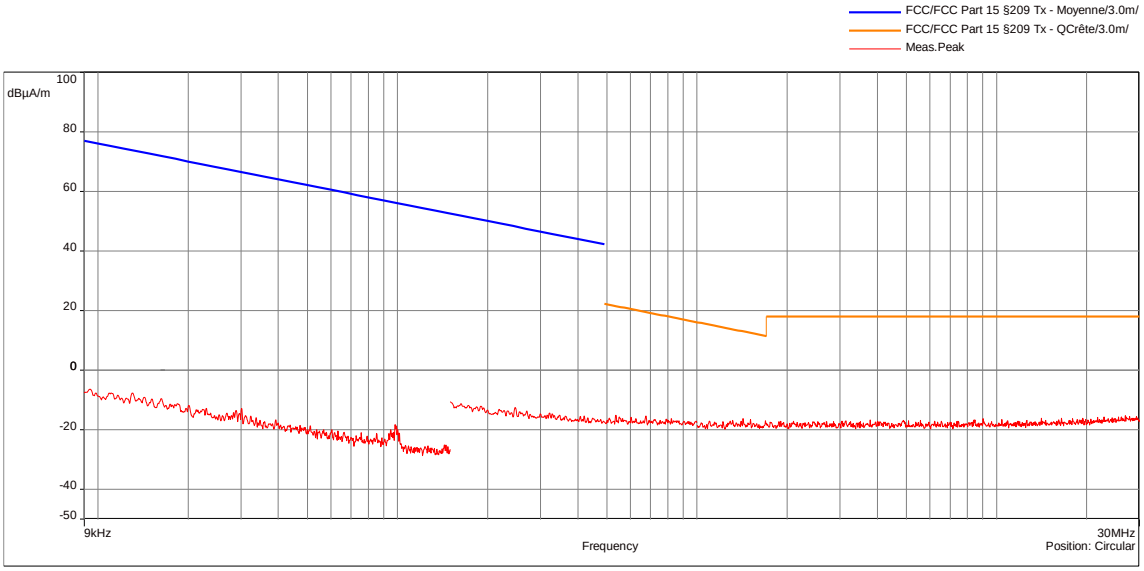


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor. No spurious emissions were detected.

EUT modification(s): N/A

RADIATED SPURIOUS EMISSIONS - GRAPH			
SPURIOUS / TX MODE / 90° / ALL CHANNELS		EMI4697	
EUT mode:	Tx continuous	**T (°C):**	23.6
Test Date:	05/06/2025	**H (%):**	60.0
Test Operator:	CFO	**P (hPa):**	1005

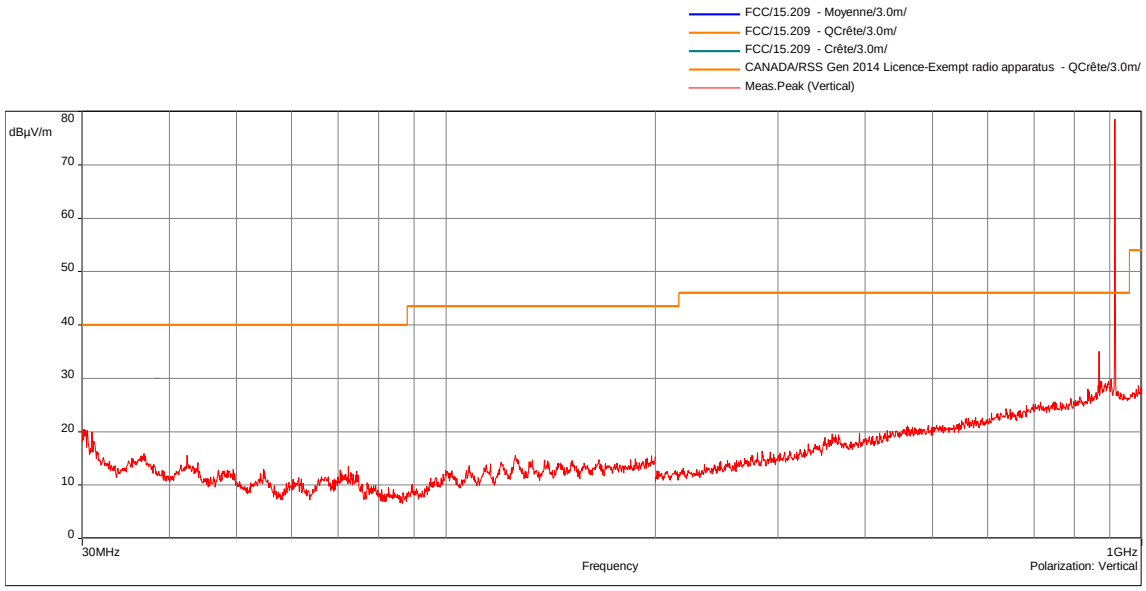


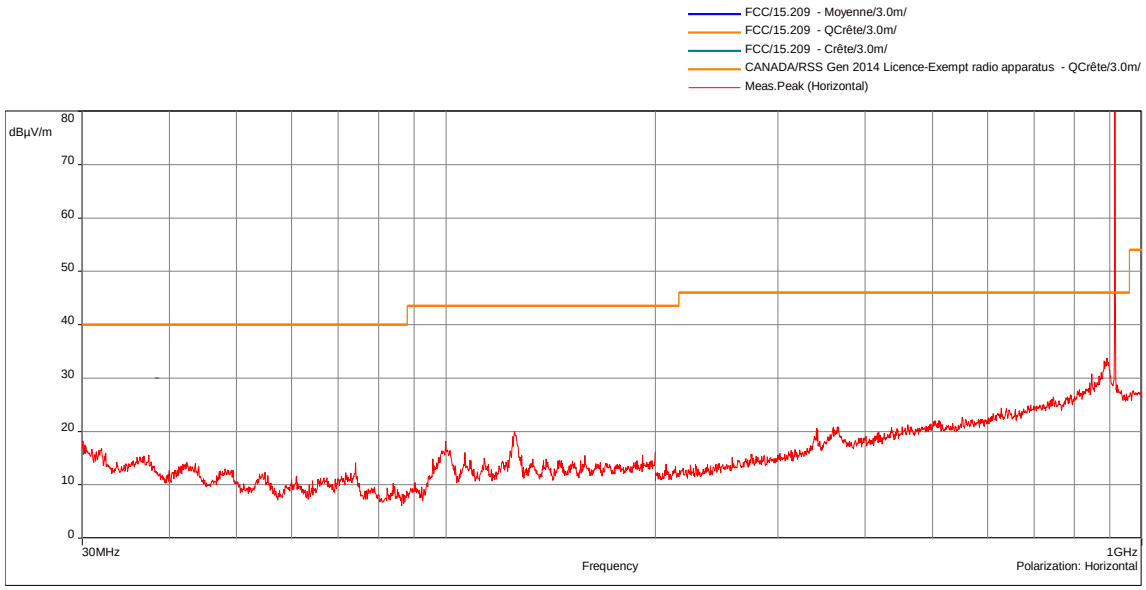
POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Circular	9kHz-150kHz	300Hz	1kHz	Peak
Circular	150kHz-1MHz	10kHz	30kHz	Peak
Circular	1MHz-30MHz	10kHz	30kHz	Peak

Configuration:	N/A
Comments:	Limit indicated on these plots are calculated with 40 dB/decade extrapolation factor and 51.5dB conversion factor. No spurious emissions were detected.

EUT modification(s): N/A

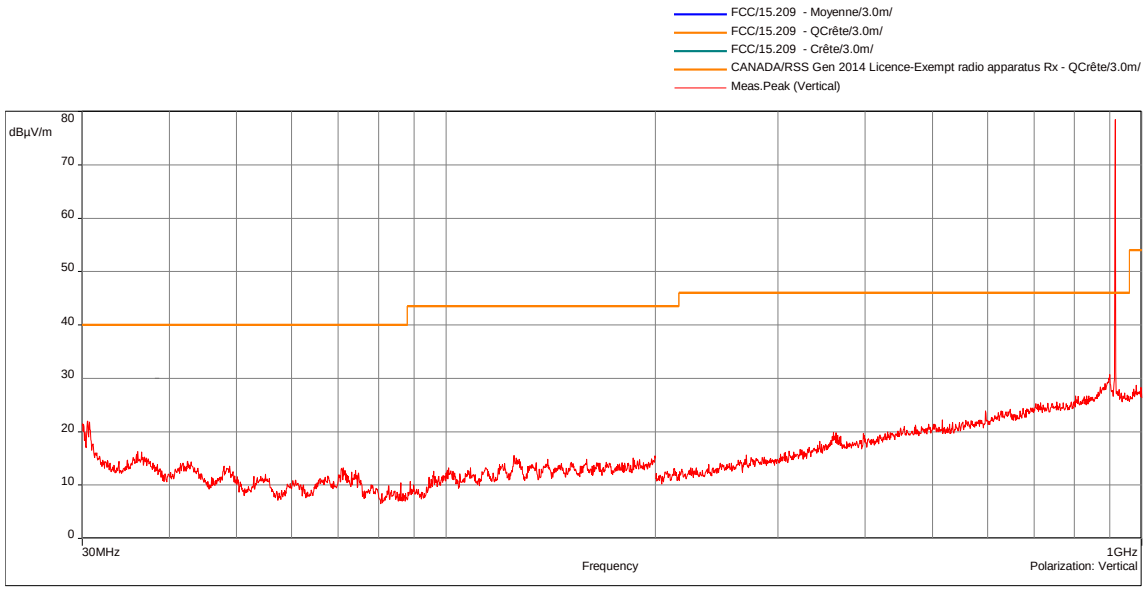
MEASUREMENT OF RADIATED DISTURBANCES - GRAPH			
SPURIOUS / LOW CHANNEL		EMI4651	
EUT mode:	Tx continuous	**T (°C):**	23.5
Test Date:	05/06/2025	**H (%):**	65.7
Test Operator:	CFO	**P (hPa):**	1002

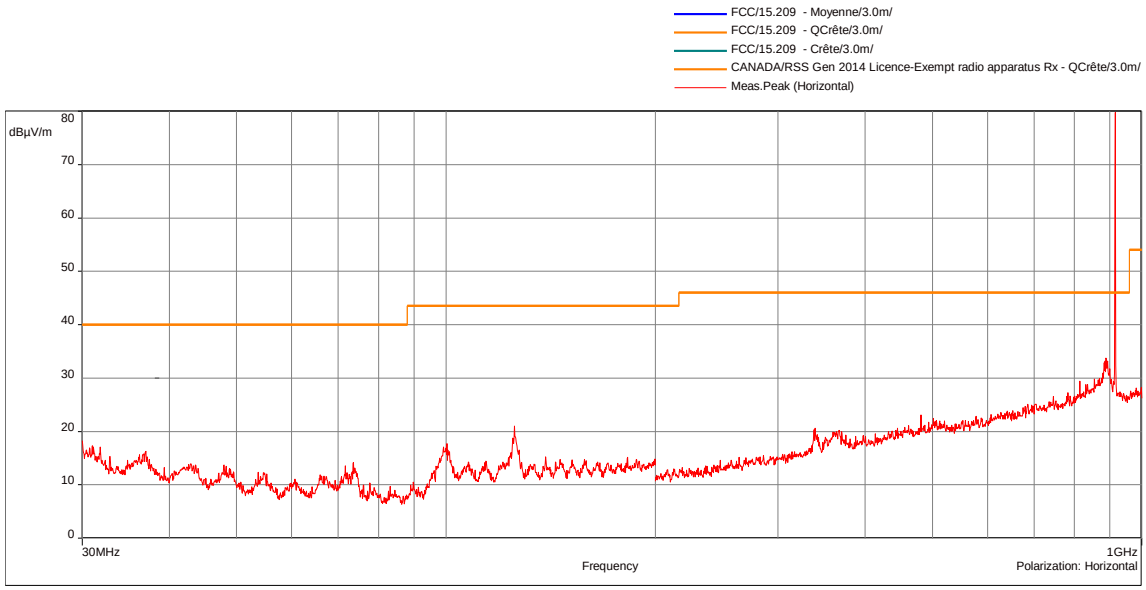




POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	30MHz-200MHz	100kHz	300kHz	Peak
Horizontal	30MHz-200MHz	100kHz	300kHz	Peak
Vertical	200MHz-1GHz	100kHz	300kHz	Peak
Horizontal	200MHz-1GHz	100kHz	300kHz	Peak
Configuration:	N/A			
Comments:	915.03MHz is the operating frequency. No spurious emissions were detected.			
EUT modification(s): N/A				

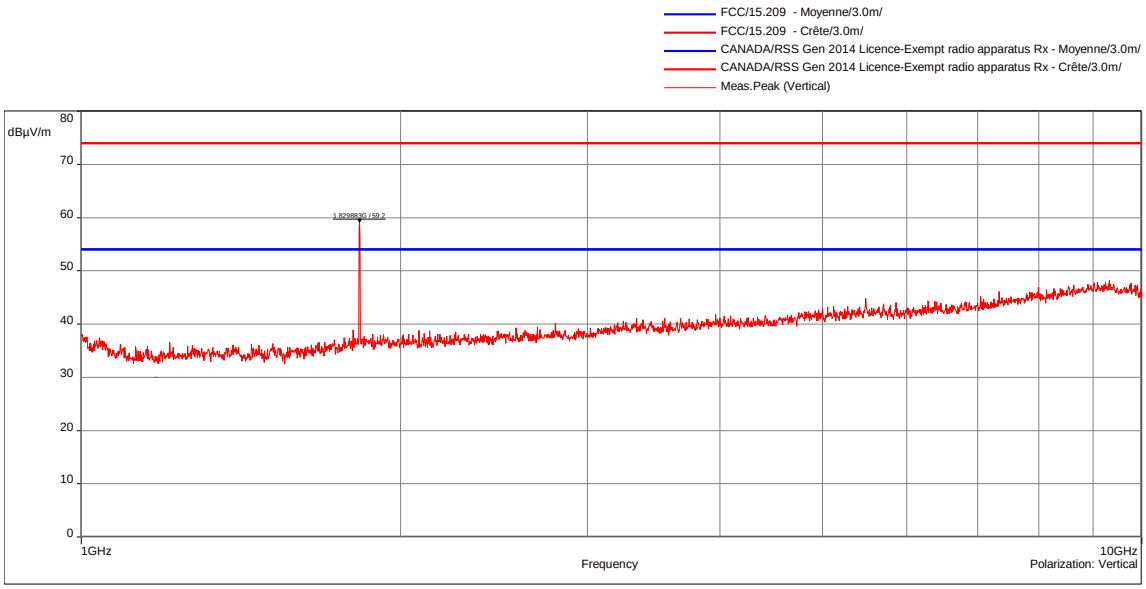
MEASUREMENT OF RADIATED DISTURBANCES - GRAPH			
SPURIOUS / HIGH CHANNEL		EMI4652	
EUT mode:	Tx continuous	**T (°C):**	23.5
Test Date:	05/06/2025	**H (%):**	65.7
Test Operator:	CFO	**P (hPa):**	1002

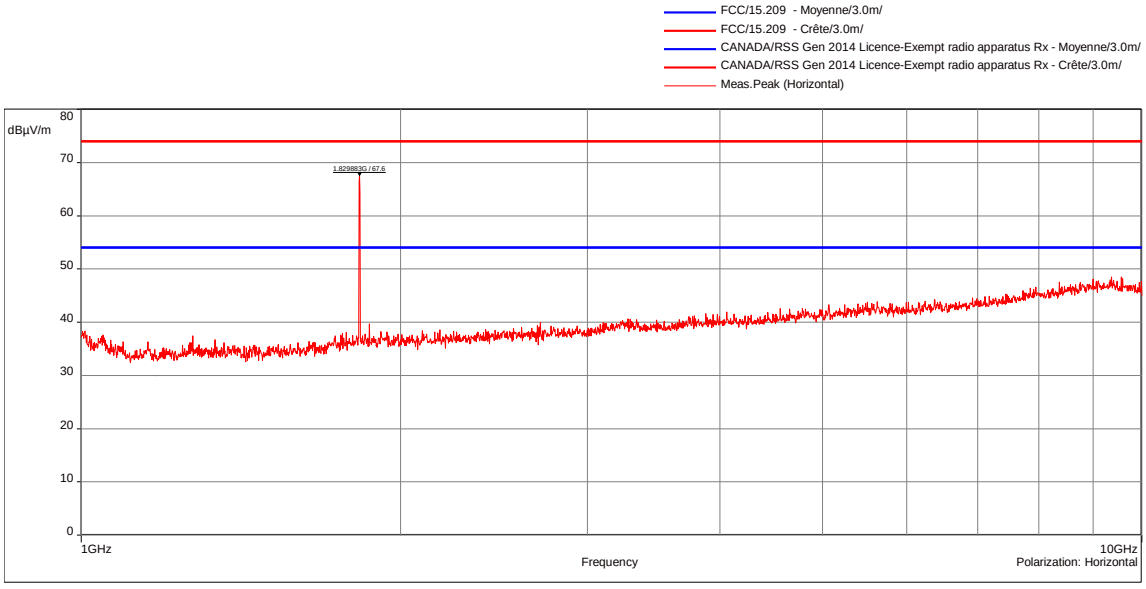




POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	30MHz-200MHz	100kHz	300kHz	Peak
Horizontal	30MHz-200MHz	100kHz	300kHz	Peak
Vertical	200MHz-1GHz	100kHz	300kHz	Peak
Horizontal	200MHz-1GHz	100kHz	300kHz	Peak
Configuration:	N/A			
Comments:	915.6MHz si the operating frequency. No spurious emissions were detected.			
EUT modification(s): N/A				

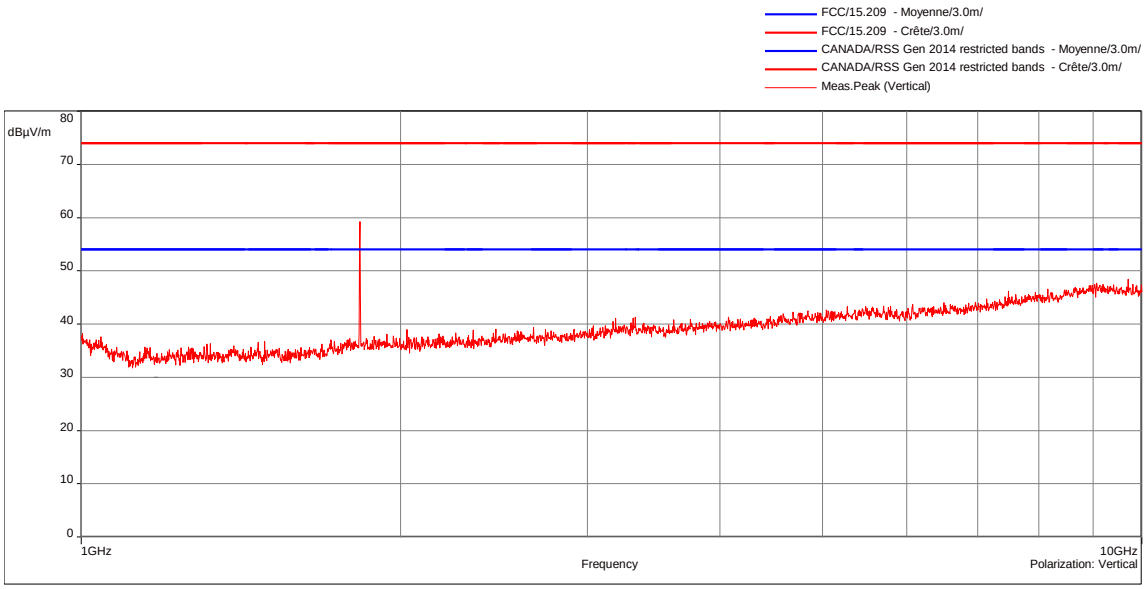
MEASUREMENT OF RADIATED DISTURBANCES - GRAPH			
SPURIOUS / LOW CHANNEL / F>1GHZ		EMI4710	
EUT mode:	Tx continuous	**T (°C):**	23.5
Test Date:	05/06/2025	**H (%):**	65.7
Test Operator:	CFO	**P (hPa):**	1002

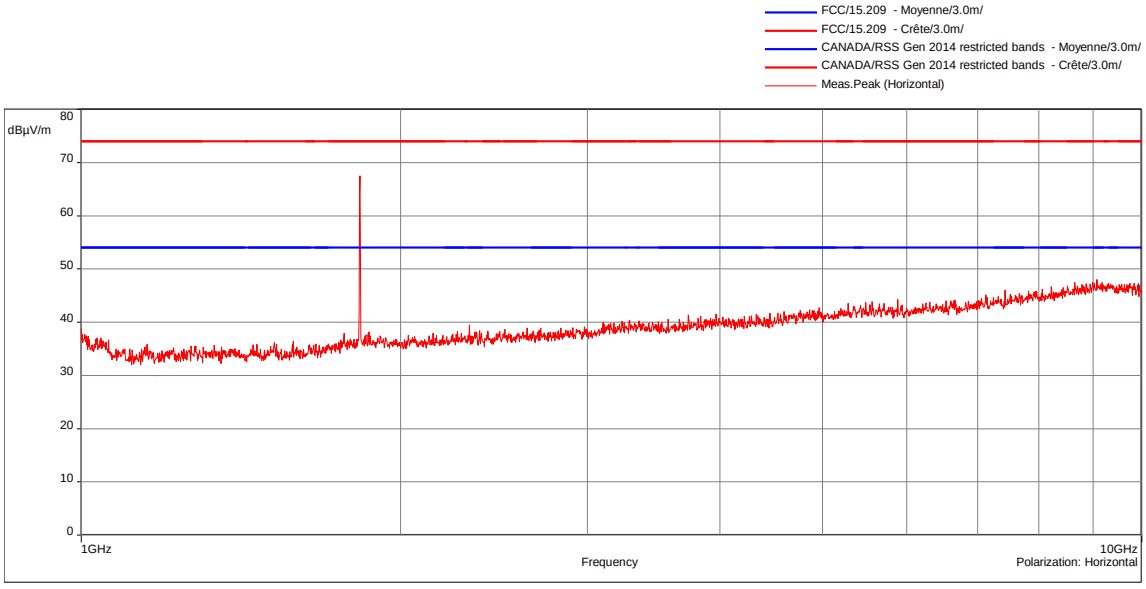




POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	1GHz-10GHz	1MHz	3MHz	Peak
Horizontal	1GHz-10GHz	1MHz	3MHz	Peak
Configuration:	N/A			
Comments:	N/A			
EUT modification(s): N/A				

MEASUREMENT OF RADIATED DISTURBANCES - GRAPH			
SPURIOUS / HIGH CHANNEL / F>1GHZ		EMI4711	
EUT mode:	Tx continuous	**T (°C):**	23.5
Test Date:	05/06/2025	**H (%):**	65.7
Test Operator:	CFO	**P (hPa):**	1002





POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	1GHz-10GHz	1MHz	3MHz	Peak
Horizontal	1GHz-10GHz	1MHz	3MHz	Peak
Configuration:	N/A			
Comments:	N/A			
EUT modification(s): N/A				

6.3. Field strength of fundamental

Reference standard:	FCC Part 15.249 RSS-210
Test method:	ANSI C63.10: 2020
General test setup: EUT is set on an insulating support at 80cm above the ground reference plane. Measurement are done on a normalized test site by the substitution method. The test antenna is oriented in the two polarizations (vertical and horizontal), and the product is rotated at 360° in the horizontal plane (See photo(s) for initial position of the EUT(0°)). If applicable the test antenna was raised and lowered through the specified range of height until a maximum signal level is detected. For portable equipments a research of maximum level is done on the 3 axes. Only the highest levels are recorded.	

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Field strength of fundamental - High channel	914.573MHz-916.573MHz	93.98 dBµV/m	EMI4653	**PASS**
Field strength of fundamental - Low channel	914.01MHz-916.01MHz	93.98 dBµV/m	EMI4655	**PASS**

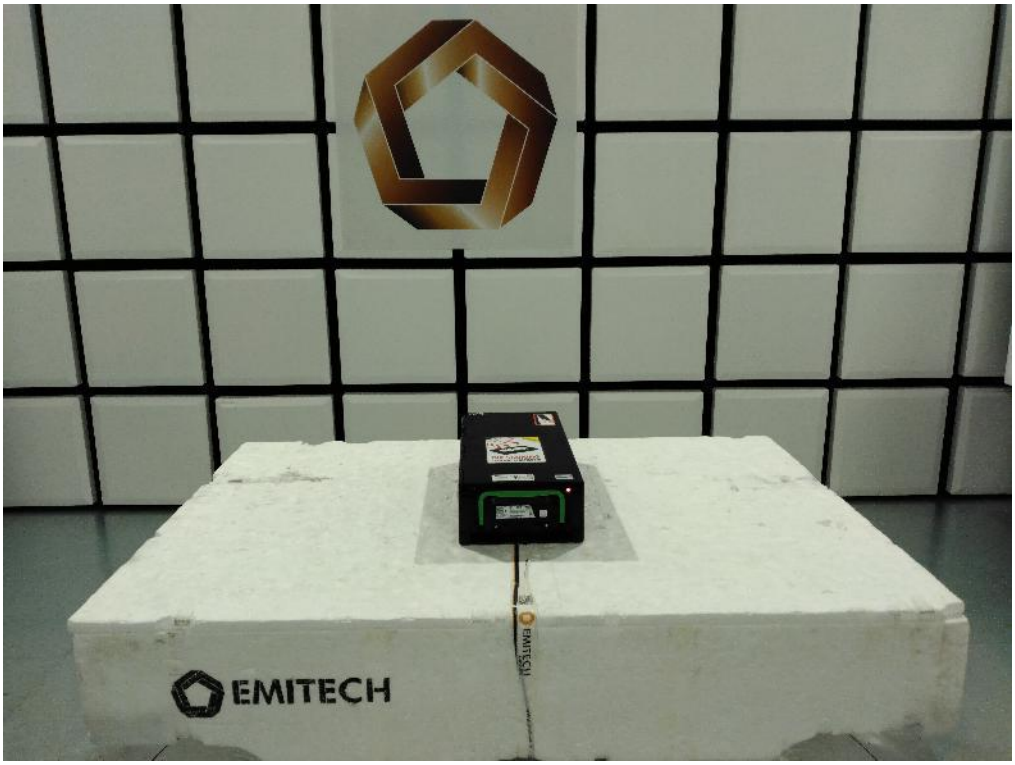
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	*See Graph(s)*
Relative Humidity	20 to 75 %	*See Graph(s)*
Atmospheric pressure	N/A	*See Graph(s)*
Test method deviation: N/A		
Supplementary information: N/A		

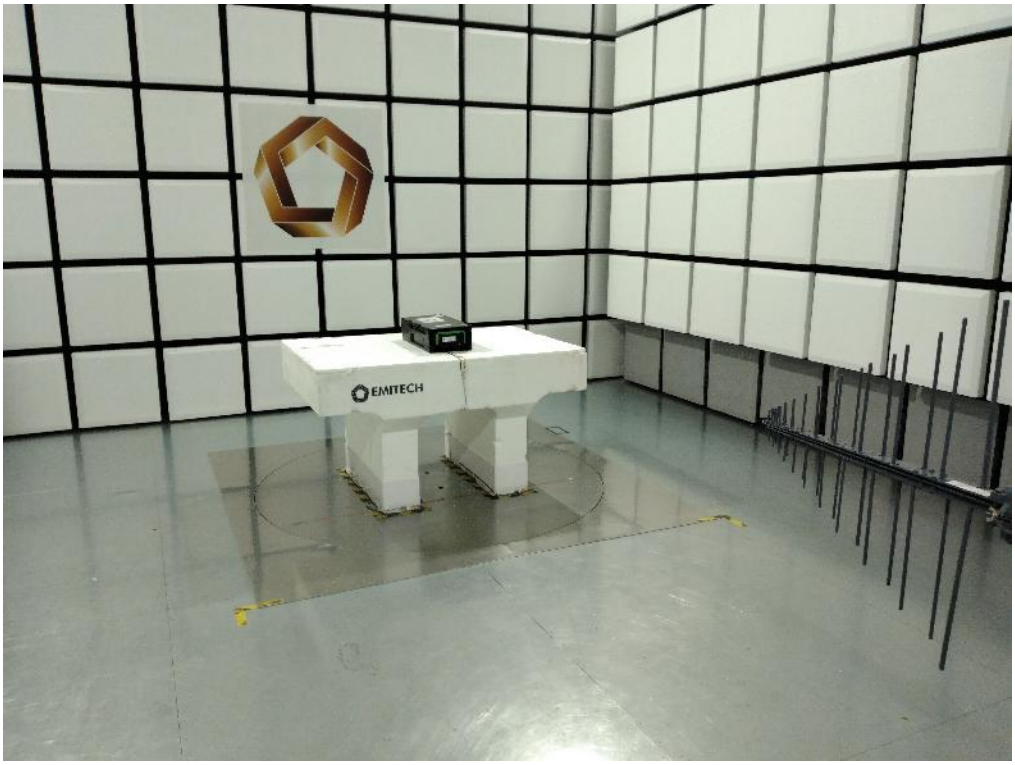
TEST EQUIPMENT USED

CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Rohde & Schwarz	HL223	1137	10/04/2025	10/06/2028
Cable	MegaPhase	F135N1N28	16662	16/08/2023	16/10/2025
Cable	SUCOFLEX	N-3m	14378	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-6,5m	14380	17/08/2023	17/10/2025
Cable	Techniwave	N-8m	18349	17/08/2023	17/10/2025
Receiver	Rohde & Schwarz	ESW8	19536	02/05/2024	02/07/2025
Shielded enclosure	COMTEST	SAC 3m	14494	08/08/2023	08/10/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

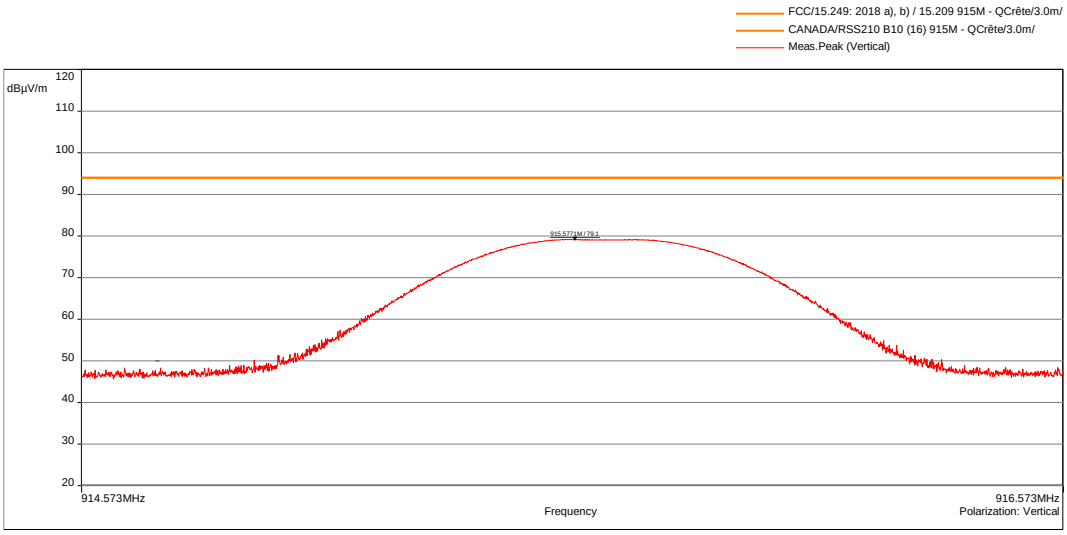
BAT-EMC software version: V3.18.0.26 Blank cells = Permanent validity

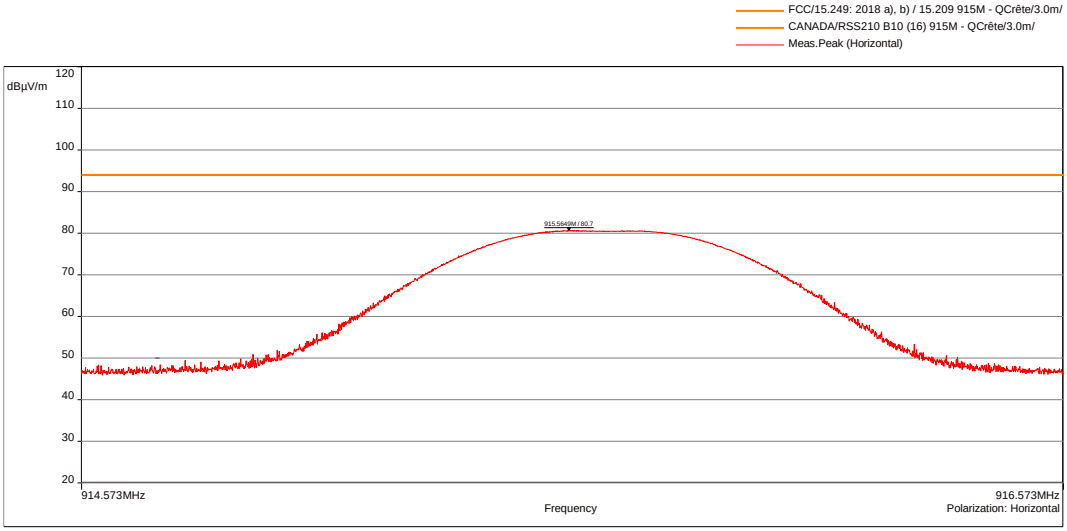
TEST SETUP PHOTO(S) - FIELD STRENGTH OF FUNDAMENTAL





FIELD STRENGTH OF FUNDAMENTAL - GRAPH			
FIELD STRENGTH OF FUNDAMENTAL - HIGH CHANNEL		EMI4653	
EUT mode:	Tx continuous	**T (°C):**	23.5
Test Date:	05/06/2025	**H (%):**	61.6
Test Operator:	CFO	**P (hPa):**	1002

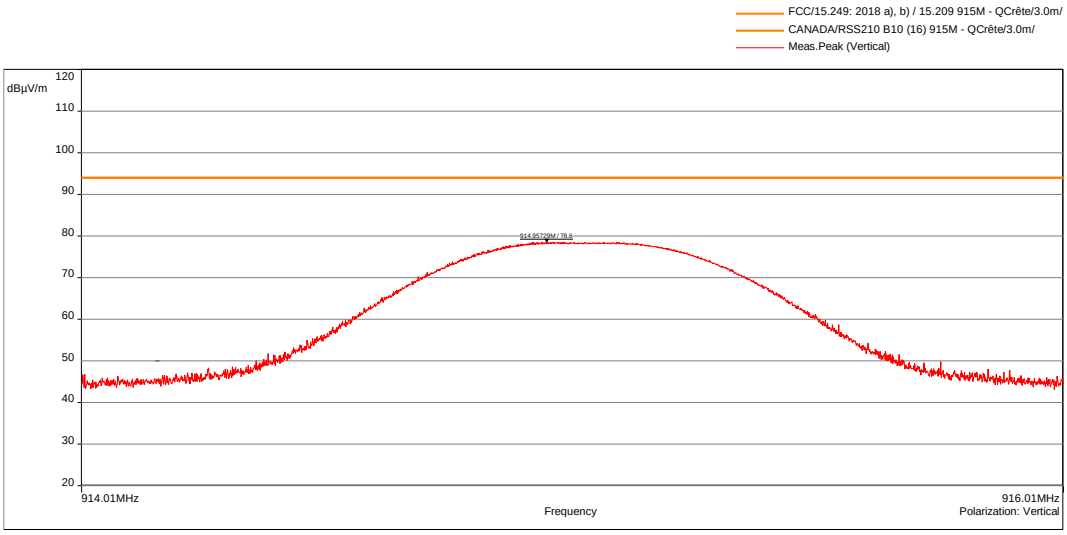


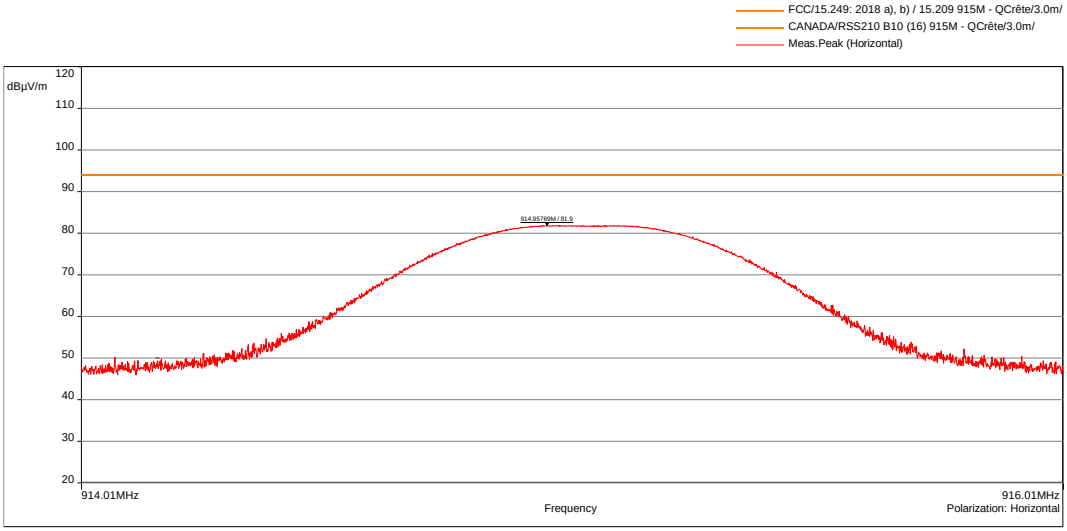


POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	914.573MHz-916.573MHz	300kHz	900kHz	Peak
Horizontal	914.573MHz-916.573MHz	300kHz	900kHz	Peak
Configuration:	N/A			
Comments:	N/A			
EUT modification(s): N/A				

FIELD STRENGTH OF FUNDAMENTAL - TABULATED RESULTS				
FIELD STRENGTH OF FUNDAMENTAL - HIGH CHANNEL				EMI4653
Frequency (MHz)	**Polarization**	**Level (dBµV/m)**	**Limit (dBµV/m)**	**Margin (dB)**
915.6	Vertical	79.1	93.98	-14.88
915.6	Horizontal	80.7	93.98	-13.28

FIELD STRENGTH OF FUNDAMENTAL - GRAPH			
FIELD STRENGTH OF FUNDAMENTAL - LOW CHANNEL		EMI4655	
EUT mode:	Tx continuous	**T (°C):**	23.5
Test Date:	04/06/2025	**H (%):**	61.6
Test Operator:	CFO	**P (hPa):**	1002





POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	914.01MHz-916.01MHz	300kHz	900kHz	Peak
Horizontal	914.01MHz-916.01MHz	300kHz	900kHz	Peak
Configuration:	N/A			
Comments:	PV: 86.1 PH: 89.4			
EUT modification(s): N/A				

FIELD STRENGTH OF FUNDAMENTAL - TABULATED RESULTS				
FIELD STRENGTH OF FUNDAMENTAL - LOW CHANNEL				EMI4655
Frequency (MHz)	**Polarization**	**Level (dBµV/m)**	**Limit (dBµV/m)**	**Margin (dB)**
915.03	Vertical	78.6	93.98	-15.38
915.03	Horizontal	81.9	93.98	-12.08

End of test report