



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 15.247
RSS-247_Issue 2, February 2017

Company: **XPLORER**
Address.....: 40 CHEMIN DU MOULIN
31320 MERVILLA
FRANCE

Test item description: **Device for metal detecting in hobby use**
Trade Mark: XTREM HUNTER
Manufacturer.....: XP METAL DETECTORS
Model/Type reference.....: XTR115 / XTREM HUNTER
FCC ID.....: XFJXTR115
IC: 8392A-XTR115
Ratings.....: 3.4Vdc to 4.2Vdc

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

Report Reference No.....: **RR-EVE-23B416-4A**
Test procedure: FCC IC Certification
Diffusion.....: Mr LOUBET Alain, CEO
Applicant's name: XPLORER
Date of issue.....: October 16, 2023
Total number of pages.....: 78
Revision: 0
Compiled by.....: Alexis TOUZET
Approved by (+ signature).....: Olivier HEYER (Laboratory Manager)



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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.*

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REVISION HISTORY:

Revision	Date	Modified pages	Modifications
0	October 16, 2023	/	Creation

1. GENERAL INFORMATION

This document submits the results of Radio tests performed on the equipment **Wireless metal detection sensor XTR115** (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		Robin GIL & Alexis TOUZET			
Test supervisor		None			
Date of receipt of test item		N/A			
Date (s) of performance of tests		From May 2 nd to July 11 th of 2023			
APPLICANT'S GENERAL INFORMATION:					
Company name		XPLOER			
Company address.		40 CHEMIN DU MOULIN 31320 MERVILLA FRANCE			
Person(s) present during the tests.		No representative for company attended the tests.			
Responsible.		Mr LOUBET Alain, CEO			
GENERAL REMARKS:					
EUT photos and test setup photos are available on annex in test report RR-EVE-23B416-4A Annex. 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: 2017

Code of federal regulations – Title 47 telecommunication

Part 15- Radio frequency devices

FCC part 15.247

Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850MHz. (frequency hopping and digitally modulated)

RSS-247_Issue 2, February 2017

Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence Exempt Local Area Network (LE-LAN) Devices

RSS/CNR-Gen, Issue 5, April 2018, AMD1: 2019, AMD2: 2021

Exigences générales et information relatives à la certification du matériel de radiocommunication

ANSI C 63.10:2013

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. : Device for metal detecting in hobby use
Model/Type reference..... : XTR115 / XTREM HUNTER
Trade Mark. : XTREM HUNTER
FCC ID..... : XFJXTR115
IC. : 8392A-XTR115
Serial number (S/N)..... : Not communicated
Part number (P/N). : Not communicated
Software version..... : *Not communicated*
Firmware version. : *Not communicated*
Type of sample. : Standard equipment
Function(s)..... : Wireless object detection sensor
Manufacturer name. : XP METAL DETECTORS
Address. : 40 chemin du Moulin
31320 MERVILLA
FRANCE

General product information:

N/A

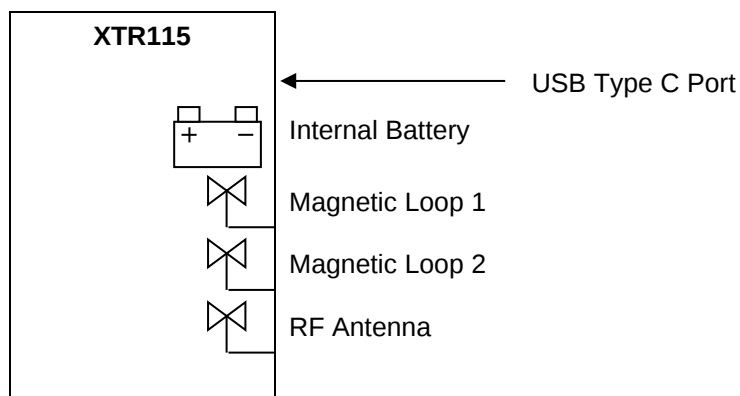
3.2.E.U.T. Mechanical and Electrical Design

Power supply. : 3.7Vdc
Power supply range..... : 3.4Vdc to 4.2Vdc
Power type..... : *Battery powered*
Power (W)..... : 2.2
Nominal current (A). : 0.6
Dimensions (L x W x H) (m). : 0.50 x 0,35 x 1.25
Weight (kg). : 2.6
Temperature range (°C). : -10 to 40
Ground bounding strap..... : No

Comments:

N/A

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



PORT	NAME	TYPE	LENGTH	CABLE TYPE	COMMENTS
0	Main frame	N/E	N/A	Plastic	-
1	USB Type C Port	DC	N/A	N/A	Used for Battery charging (5Vdc)
2	Internal Battery	DC	N/A	N/A	3.7Vdc
3	Magnetic Loop 1	RF	N/A	N/A	From 5kHz to 7.35kHz
4	Magnetic Loop 2	RF	N/A	N/A	From 5kHz to 7.35kHz
5	RF Antenna	RF	N/A	N/A	2.4GHz

AC/DC : AC/DC Converter port

I/O: Input or Output port

N/E: Non Electrical port

AC.....: Alternative current port

TP: Telecommunication port

DC.....: Direct current port

RF: Radio frequency port

3.4. Supporting Equipment Used During Test

Sample subject to the tests was tested with following equipment.

PRODUCT TYPE	MANUFACTURER	MODEL	N°EMITECH / COMMENTS
Remote control	XPLORER	DEUS II	Used to have communication with EUT during the tests
Charger	XPLORER	T038-1	Charging mode

3.5. EUT Radio Specifications

a) GENERAL INFORMATIONS	
According to manufacturer's declarations :	
EUT type.....	Transceiver
Technology	SRD (Metal and object detection sensors) and SRD 2.4GHz
Environmental profile.....	Data transmissions
Temperature range.....	-10°C to +40°C
Antenna type	Integral
Antenna Gain.....	Not communicated
Comments:	
N/A	
b) TRANSMITTER PARAMETERS (Tx)	
Frequency bands.....	2400MHz to 2483.5MHz
RF Power.....	Not communicated
Number of channels / Separation.....	24 channels
Modulation type	GFSK
Duty cycle	Not communicated
Tested frequency.....	2406MHz (Low channel)
	2440MHz (Mid channel)
	2476MHz (High channel)
c) RECEIVER PARAMETERS (Rx)	
Frequency bands.....	2400MHz to 2483.5MHz
Category/Class	Not communicated
Bandwidth.....	2MHz

4. OPINION(S) AND INTERPRETATION(S)

TEST(S) PERFORMED	DEVIATION(S) TO TEST METHOD(S)
FCC part 15.247 subclause d) and RSS-247	N/A
FCC part 15.247 and RSS-247	N/A
FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen	N/A
FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen	The EUT is encapsulated in a casing. We were not able to measure its voltage supply during radiated tests
FCC part 15.109, 15.209, 15.205, 15.215 RSS-247, CNR Gen	N/A
FCC part 15 Radio part 15.215 and RSS Gen	N/A

Comments: N/A

5. RESULT SUMMARY

TEST DESIGNATION	SEVERITY	VERDICT	BASIC STANDARDS / COMMENTS
SUBPART A - GENERAL			
Labeling requirements		PASS	15.19 / See certification documents
Information to user		PASS	15.21 / See certification documents
Home-built devices		N/A	15.23
Kits		N/A	15.25
Special Accessories		PASS	15.27 / See certification documents
Inspection by the Commission		N/A	15.29
Measurement standards		PASS	15.31
Test procedure for CPU boards and computer power supplies		N/A	15.32
Frequency range of radiated measurements		PASS	15.33
Measurement detector functions and bandwidths		PASS	15.35
Transition provisions for compliance with the rules		PASS	15.37 / See certification documents
SUBPART B – UNINTENTIONAL RADIATORS			
Equipment authorization			15.101
- Verification		N/A	
- Declaration of Conformity		N/A	
CPU boards and power supplies used in personal computers		N/A	15.102
Exempted device		N/A	15.103
Information to the user		PASS	15.105 / See certification documents
Conducted limits	Class B	PASS	15.107
Radiated emission limits	Class B	PASS	15.109
Antenna power conduction limits for receivers		N/A	15.111
Power line carrier systems		N/A	15.113
TV interface devices, including cable system terminal devices		N/A	15.115
TV broadcast receivers		N/A	15.117
Cable ready consumer electronics equipment		N/A	15.118
Program blocking technology requirements for TV receivers		N/A	15.120
Scanning receivers and frequency converters used with scanning receivers		N/A	15.121
Labeling of digital cable ready products		N/A	15.123
SUBPART C –INTENTIONAL RADIATORS			
Equipment authorization requirement		PASS	15.201 / Transmitter part is subject to Certification procedure

TEST DESIGNATION	SEVERITY	VERDICT	BASIC STANDARDS / COMMENTS
Certified operating frequency range		N/A	15.202
Antenna requirement		PASS	15.203 / Dedicated and glued antenna
External radio frequency power amplifiers and antenna modifications		N/A	15.204
Restricted bands of operation		PASS	15.204
Conducted limits	Class B	PASS	15.207
Radiated emission limits; general requirements	Class B	PASS	15.209
Tunnel radio systems		N/A	15.211
Modular transmitters		N/A	15.212
Cable locating equipment		N/A	15.213
Cordless telephones		N/A	15.214
Additional provisions to the general radiated emission limits		PASS	15.215
Operation within the band 902-928MHz, 2400-2483.5MHz and 5725-5850MHz			15.247
- Frequency hopping and digitally modulated		-	a)
- Frequency hopping system		N/A	a) (1)
- Digital modulation system		PASS	a) (2)
- Maximum peak conducted output power		-	b)
- For hopping system in the 2400-2483.5 MHz and 5725-5850 MHz bands		N/A	b) (1)
- For hopping system in the 902-928MHz band		N/A	b) (2)
- For system using digital modulation in the 902-928 MHz, 2400-2483.5 MHz and 5725-5850 MHz bands		PASS	b) (3)
- Operation with directional antenna gains > 6 dBi		N/A	c)
- Out-of-band emissions		PASS	d)
- Power spectral density conducted		PASS	e)
- Hybrid system		N/A	f)
- Frequency hopping additional requirements		N/A	g)
- Frequency hopping intelligence		N/A	h)
- RF exposure compliance		PASS	i)

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)
FCC part 15.247 subclause d) and RSS-247	N/A
FCC part 15.247 and RSS-247	N/A
FCC part 15.109, 15.209, 15.205, 15.215, CNR-Gen	N/A
FCC part 15.109, 15.209, 15.205, 15.215 RSS-247, CNR Gen	N/A
FCC part 15 Radio part 15.215 and RSS Gen	N/A

6. MEASUREMENT UNCERTAINTY

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Radio frequency	$\pm 1 \times 10^{-7}$	$\pm 1 \times 10^{-7}$
RF power, conducted		
RF power	$\pm 0.8\text{dB}$	$\pm 1 \text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 1.3\text{dB}$	$\pm 1.5 \text{ dB}$
Power spectral density	$\pm 2.3\text{dB}$	$\pm 3 \text{ dB}$
Occupied bandwidth		
RF power	$\pm 3.8 \%$	$\pm 5 \%$
RF power (EN 300328 / EN 301893)	$\pm 3.8 \%$	$\pm 5 \%$
Maximum frequency deviation		
300 Hz < audio frequency < 6 kHz	$\pm 1.2 \%$	$\pm 5 \%$
6 kHz < audio frequency < 25 kHz	$\pm 1.2 \%$	$\pm 3 \text{ dB}$
Amplitude	$\pm 8.5 \%$	$\pm 20 \%$
At the frequency	$\pm 166 \text{ Hz}$	$\pm 250 \text{ Hz}$
Conducted emission (spurious)		
$f \leq 1 \text{ GHz}$	$\pm 0.8 \text{ dB}$	$\pm 3 \text{ dB}$
1 GHz - 12.75 GHz	$\pm 1.6 \text{ dB}$	
Radiated emission (PAR / PIRE / RNE)		
$f \leq 62.5 \text{ MHz}$	$\pm 5.7 \text{ dB}$	$\pm 6 \text{ dB}$
62.5 MHz - 1 GHz	$\pm 5.8 \text{ dB}$	$\pm 6 \text{ dB}$
1 GHz - 18 GHz	$\pm 5.6 \text{ dB}$	$\pm 6 \text{ dB}$
18 GHz – 40 GHz	$\pm 5.6 \text{ dB}$	$\pm 6 \text{ dB}$
40 GHz – 110 GHz	$\pm 5.9 \text{ dB}$	Between ± 6 to 10 dB
180-1000 MHz / 1 – 12.75 GHz (EN 301 908-1)	$\pm 3.0 / 2.9 \text{ dB}$	$\pm 3 \text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 5.3 \text{ dB}$	$\pm 6 \text{ dB}$
PIRE and power spectral density with diode	$\pm 5.7 \text{ dB}$	$\pm 6 \text{ dB}$
Radiated emission (magnetic field)		
9kHz – 30MHz	$\pm 3.4 \text{ dB}$	$\pm 6 \text{ dB}$
RF level for a given BER	$\pm 0.8 \text{ dB}$	$\pm 1.5 \text{ dB}$
Supply voltages	$\pm 3 \%$	$\pm 3 \%$
Temperature	$\pm 1 \text{ }^{\circ}\text{C}$	$\pm 1^{\circ}\text{C}$
Humidity	$\pm 5 \%$	$\pm 5 \%$
Time / Duty cycle	$\pm 4.4 \%$	$\pm 5 \%$
Adaptivity	$\pm 2.9 \text{ dB}$	/
Conducted emission (FCC)		
(Artificial Mains Network) 150kHz – 30MHz	$\pm 3.4 \text{ dB}$	$\pm 3.4 \text{ dB}$
Radiated emission (electric field for FCC standard)		
9kHz – 30MHz	$\pm 2.7 \text{ dB}$	/
30MHz – 1GHz	$\pm 5.0 \text{ dB}$	/
1GHz – 18GHz	$\pm 5.3 \text{ dB}$	/
18GHz – 40GHz	$\pm 6.1 \text{ dB}$	/
40GHz – 140GHz	$\pm 5.7 \text{ dB}$	/

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

7. TEST CONDITIONS AND RESULTS

7.1. Conducted emission (measurement)

Reference standard:	FCC part 15.107, 15.207 and RSS-Gen
Test method:	ANSI C63.10: 2013
General test setup: EUT is set on an insulating support at 80cm from the ground reference plane. All power was connected to the system through Artificial Mains Network (AMN). The AMN is placed at 80cm from the boundary of the EUT and bonded to a ground reference plane. All tested telecommunications lines (if applicable) were connected to an Asymmetric Artificial Network (AAN) and conducted voltage measurements on telecommunications lines were made at the output of the AAN. Where an AAN was not appropriate or available, measurements were made using a Capacitive Voltage Probe and/or a Current probe. Additional ground terminals (if any) are connected to earth terminal of the AMN.	

TESTED CABLE	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Conducted measurement / 120Vac/60Hz / All channels	150kHz-30MHz	Class B	EMI4181	PASS
Conducted measurement / 120Vac/60Hz / Standby	150kHz-30MHz	Class B	EMI4131	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	See Graph(s)
Relative Humidity	30 to 60 %	See Graph(s)
Atmospheric pressure	N/A	See Graph(s)
Test method deviation: N/A		
Supplementary information: N/A		

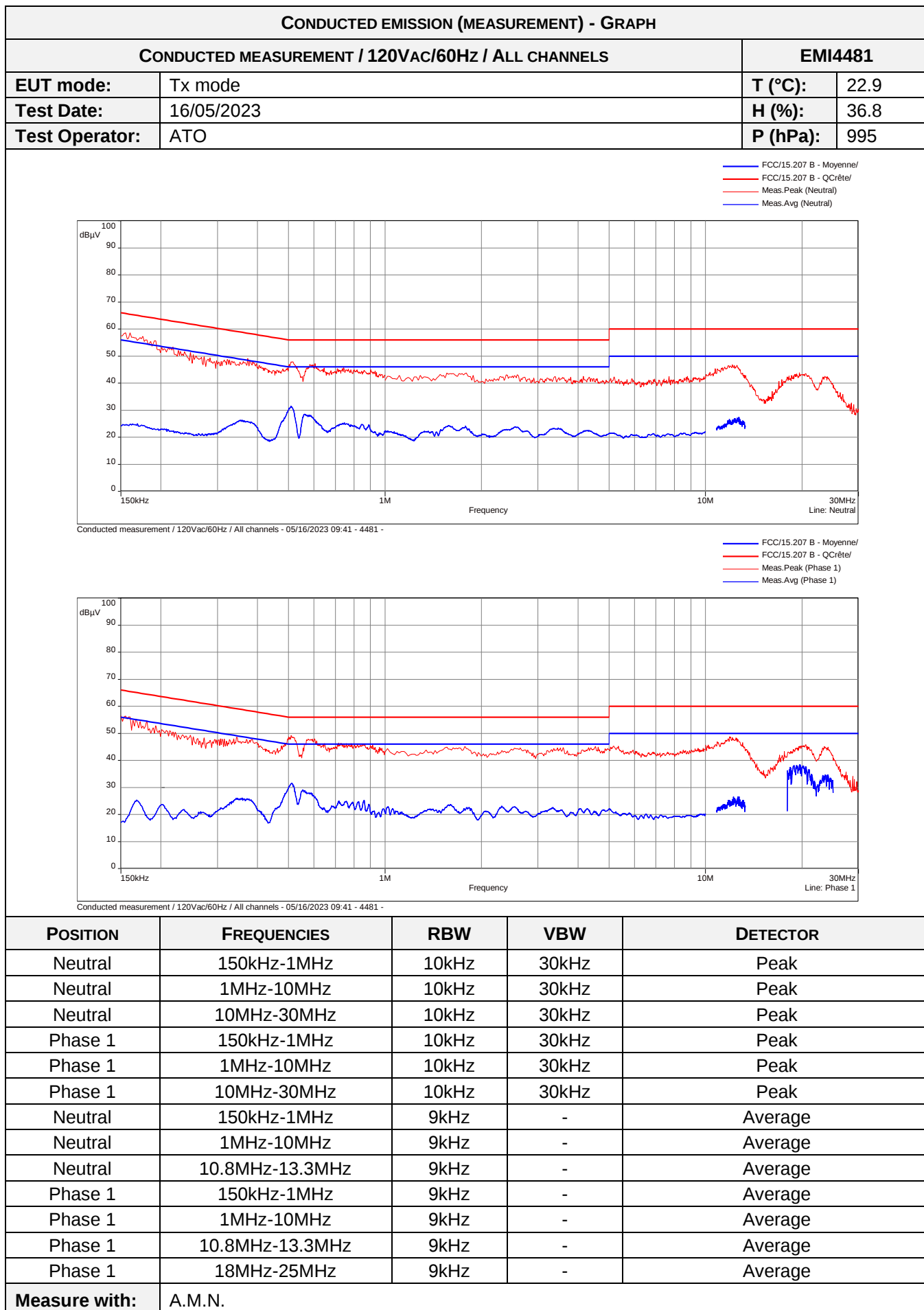
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Artificial hand	EMITECH	Souple	4619	09/08/2022	09/10/2024
Cable	EMITECH	Current absorber sheath	18366	26/01/2022	26/03/2024
Cable	/	N-3m 3GHz	16410	10/11/2021	10/01/2024
LISN	Rohde & Schwarz	ENV216	17925	24/09/2021	24/11/2023
Receiver	Rohde & Schwarz	ESI	9704	21/11/2022	21/01/2024
Thermohygrometer	Testo	608-H2	12268	24/10/2022	24/12/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023

BAT-EMC software version: V3.18.0.26

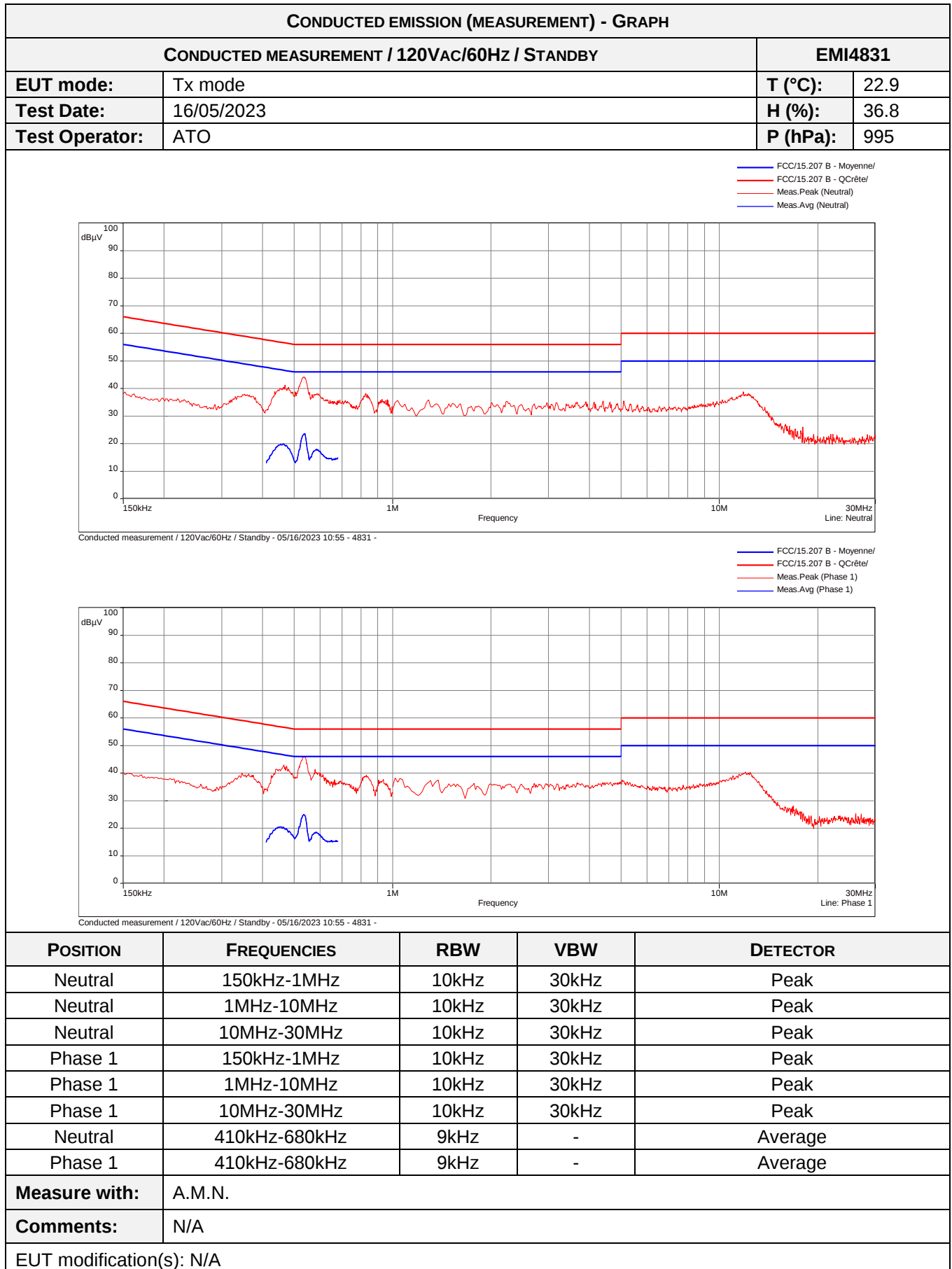
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CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS						
CONDUCTED MEASUREMENT / 120VAC/60Hz / ALL CHANNELS						EMI4481
Terminal	Test Frequency (MHz)	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μV)	Limit dB (μV)	Margin (dB)
Neutral	0.353	Av	9.60	26.31	48.89	-22.58
Neutral	0.509	Av	9.61	31.57	46.00	-14.43
Neutral	0.564	Av	9.61	28.55	46.00	-17.45
Neutral	0.746	Av	9.62	25.34	46.00	-20.66
Neutral	1.577	Av	9.65	24.42	46.00	-21.58
Neutral	12.706	Av	9.87	27.41	50.00	-22.59
Line	0.359	Av	9.60	26.11	48.89	-22.78
Line	0.513	Av	9.61	31.61	46.00	-14.39
Line	0.554	Av	9.61	29.15	46.00	-16.85
Line	12.224	Av	9.86	26.58	50.00	-23.42
Line	19.697	Av	9.94	38.60	50.00	-11.40
Line	24.101	Av	9.99	34.68	50.00	-15.32
Supplementary information: N/A						

CONDUCTED EMISSION (MEASUREMENT) - TABULATED RESULTS						
CONDUCTED MEASUREMENT / 120VAC/60Hz / STANDBY						EMI4831
Terminal	Test Frequency (MHz)	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μV)	Limit dB (μV)	Margin (dB)
Neutral	0.463	Av	9.61	19.89	46.64	-26.75
Neutral	0.536	Av	9.61	23.60	46.00	-22.40
Neutral	0.586	Av	9.61	18.02	46.00	-27.98
Line	0.452	Av	9.60	20.56	46.82	-26.26
Line	0.535	Av	9.61	25.03	46.00	-20.97
Line	0.583	Av	9.61	18.69	46.00	-27.31
Supplementary information: N/A						



CONDUCTED EMISSION (MEASUREMENT) - GRAPH	
CONDUCTED MEASUREMENT / 120VAC/60Hz / ALL CHANNELS	EMI4481
Comments:	N/A
EUT modification(s): N/A	



7.2.6dB bandwidth

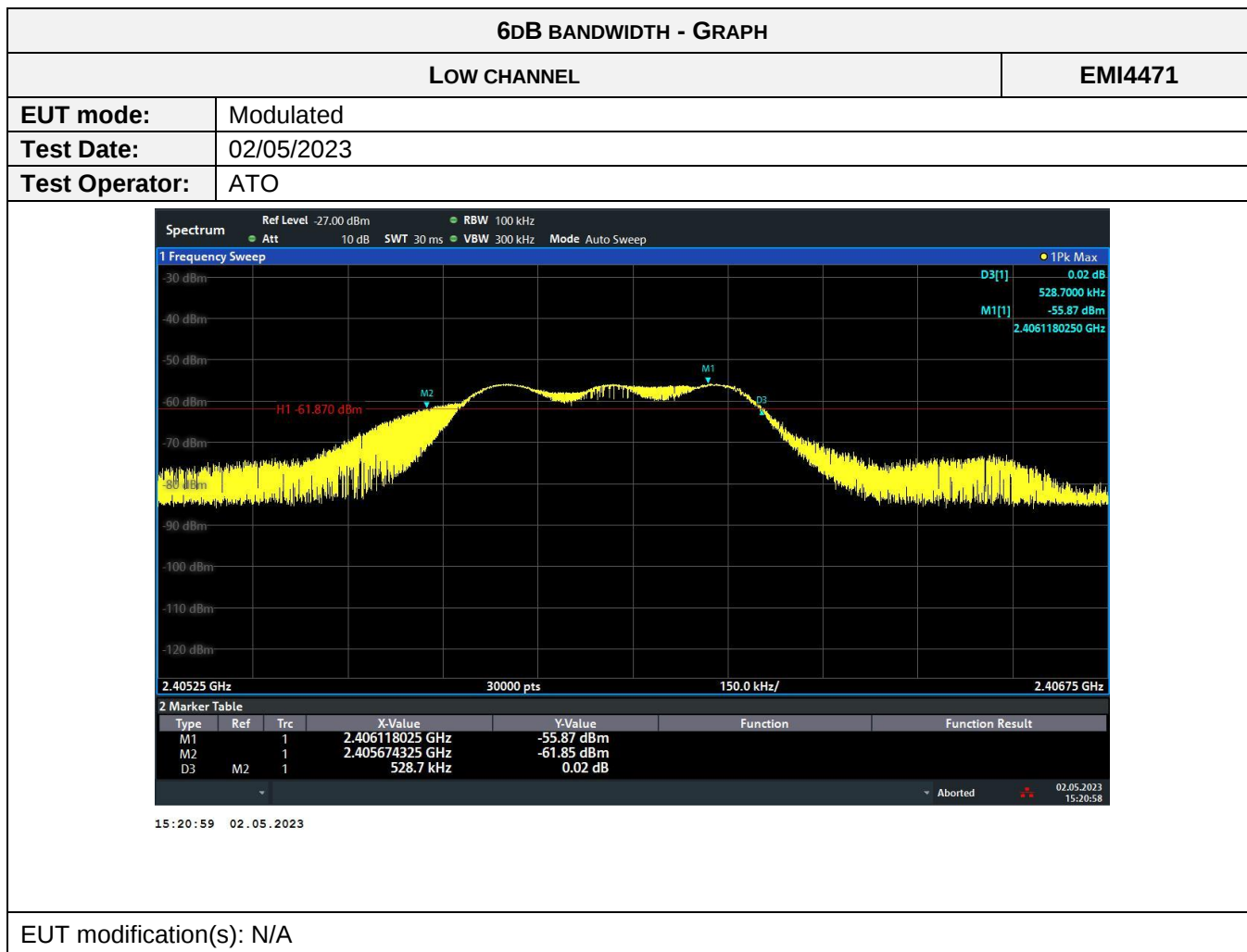
Reference standard:	FCC part 15 Radio part 15.247 and RSS-247
Test method:	FCC part 15.247 and RSS-247
Test description: a) (2): Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz. EUT is connected to the measuring receiver via 50Ω attenuator(s). Tests are done in max-hold mode in order to capture all channels.	

TEST CASE AND CONDITIONS	MODULATION BANDWIDTH	RESULT TAB.	VERDICT
Low channel	528.7 kHz	EMI4471	PASS
Mid channel	532.85 kHz	EMI5097	PASS
High channel	507.55 kHz	EMI5098	PASS

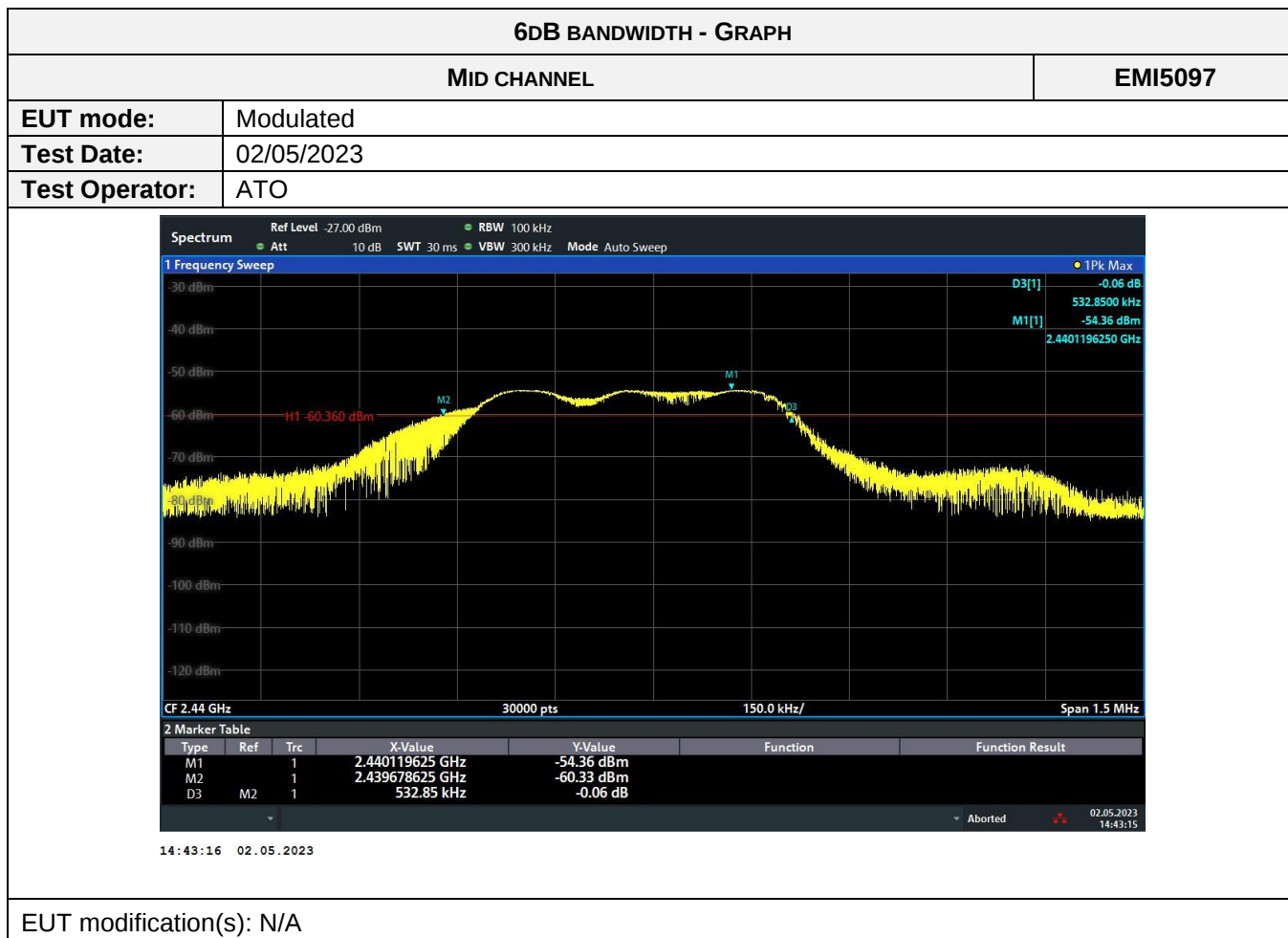
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	24.3 °C
Relative Humidity	20 to 75 %	43.3 %
Atmospheric pressure	N/A	1003 hPa
Test method deviation: N/A		
Supplementary information:		

TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	8387	24/03/2023	24/05/2026
Cable	SUCOFLEX	N-3m	14379	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-5,5m	14381	23/08/2021	23/10/2023
Receiver	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Shielded enclosure	RAY PROOF	C.V1	1123	19/08/2021	19/10/2024
Thermohygrometer	Testo	608-H1	7561	19/06/2023	19/08/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023

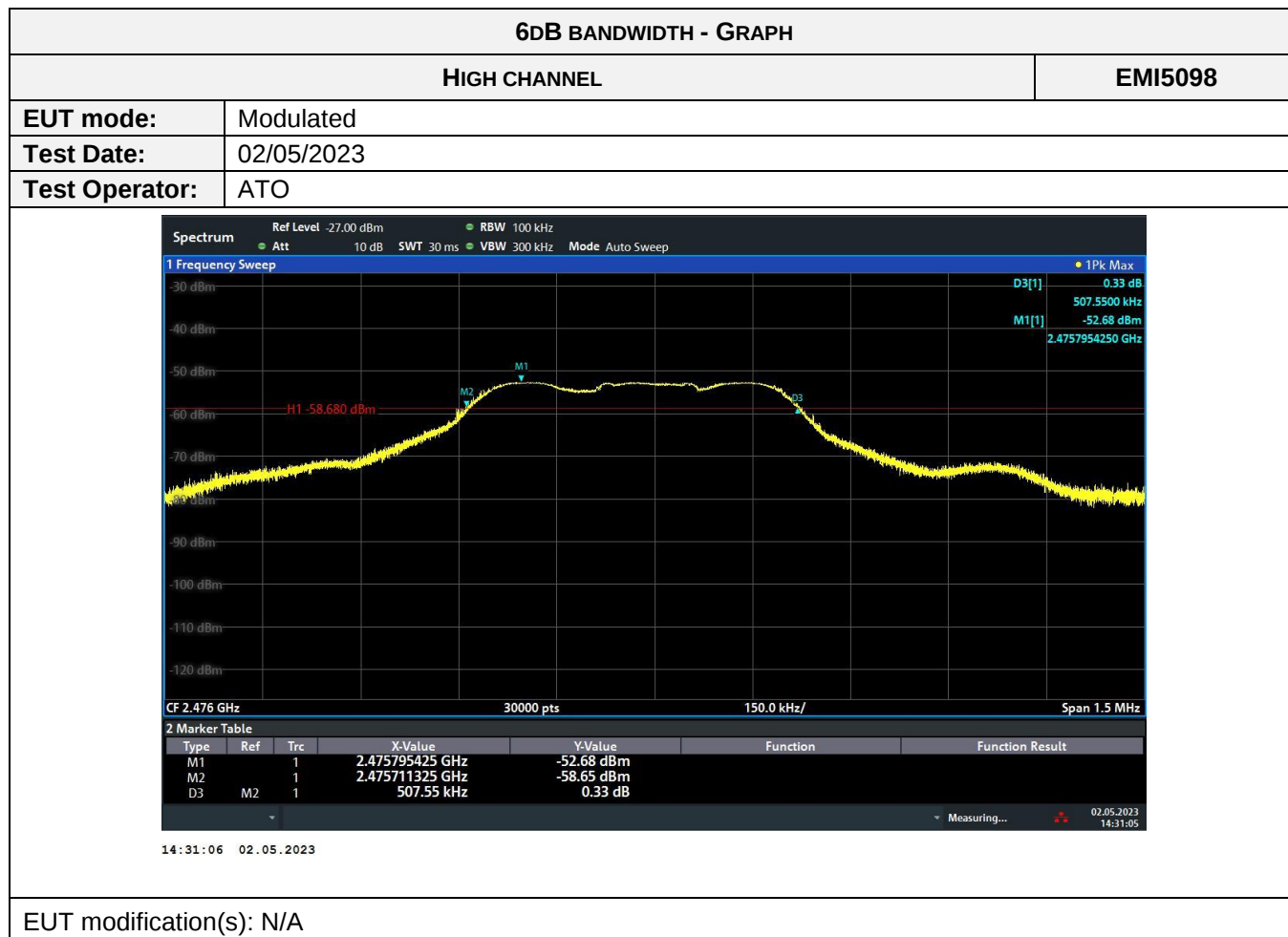
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6dB BANDWIDTH - TABULATED RESULTS			
LOW CHANNEL			
Frequency	RBW	6 dB Bandwidth	Limit
2404 MHz	100kHz	528.7 kHz	>500kHz



6dB BANDWIDTH - TABULATED RESULTS			
MID CHANNEL			
Frequency	RBW	6 dB Bandwidth	Limit
2440 MHz	100kHz	532.85 kHz	>500kHz



6dB BANDWITH - TABULATED RESULTS			
LOW CHANNEL			
Frequency	RBW	6 dB Bandwidth	Limit
2476 MHz	100kHz	507.55 kHz	>500kHz

7.3. Occupied bandwidth

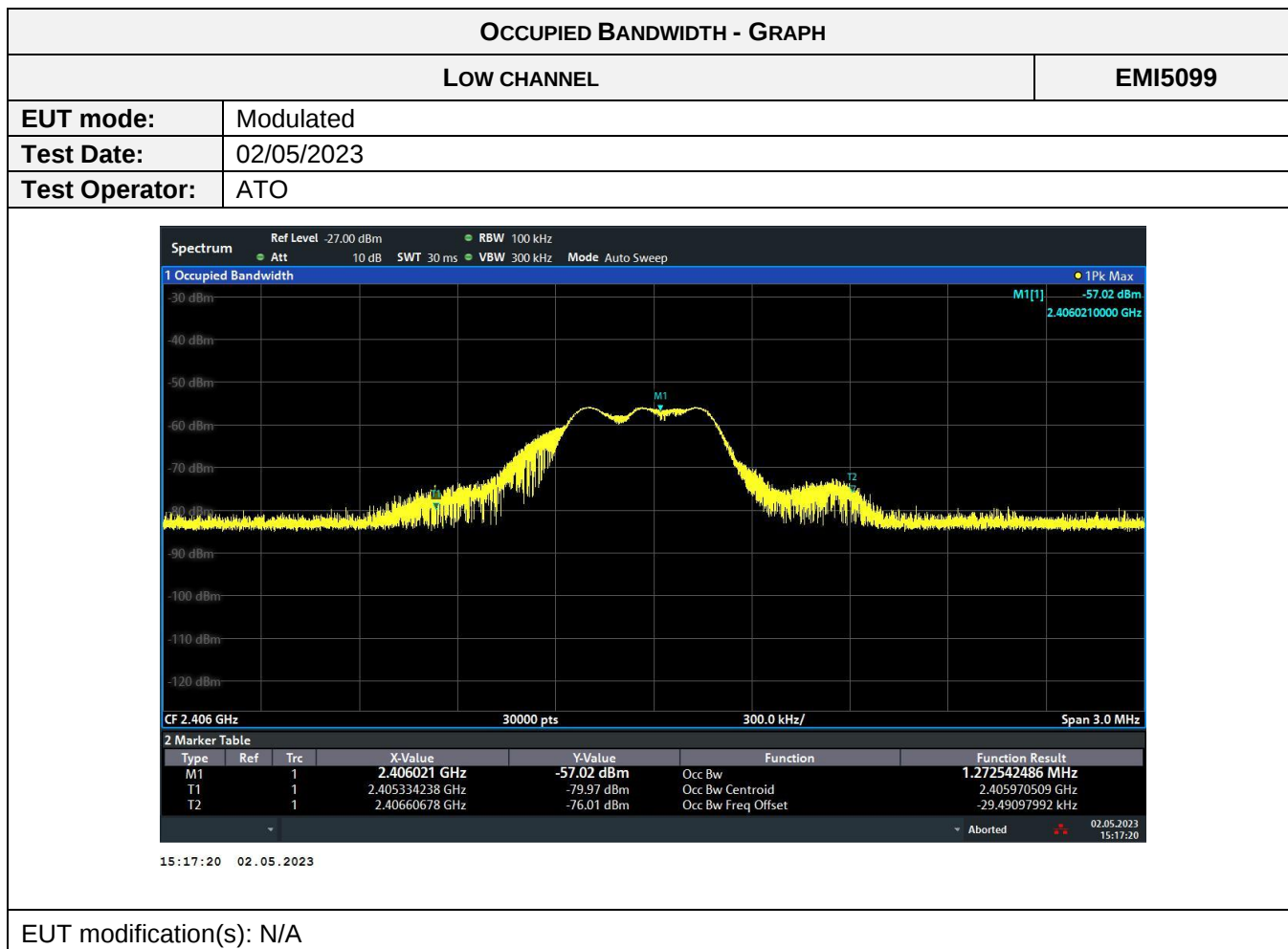
Reference standard:	FCC part 15 Radio part 15.247 and RSS-247
Test method:	FCC part 15.247 and RSS-247
Test description: The occupied bandwidth (OBW) is the Frequency Range in which 99 % of the total mean power of a given emission falls. The residual part of the total power being denoted as β , which, in cases of symmetrical spectra, splits up into $\beta/2$ on each side of the spectrum. Unless otherwise specified, $\beta/2$ is taken as 0,5 %. The maximum occupied bandwidth includes all associated side bands above the appropriate emissions level and the frequency error or drift under extreme test conditions.	

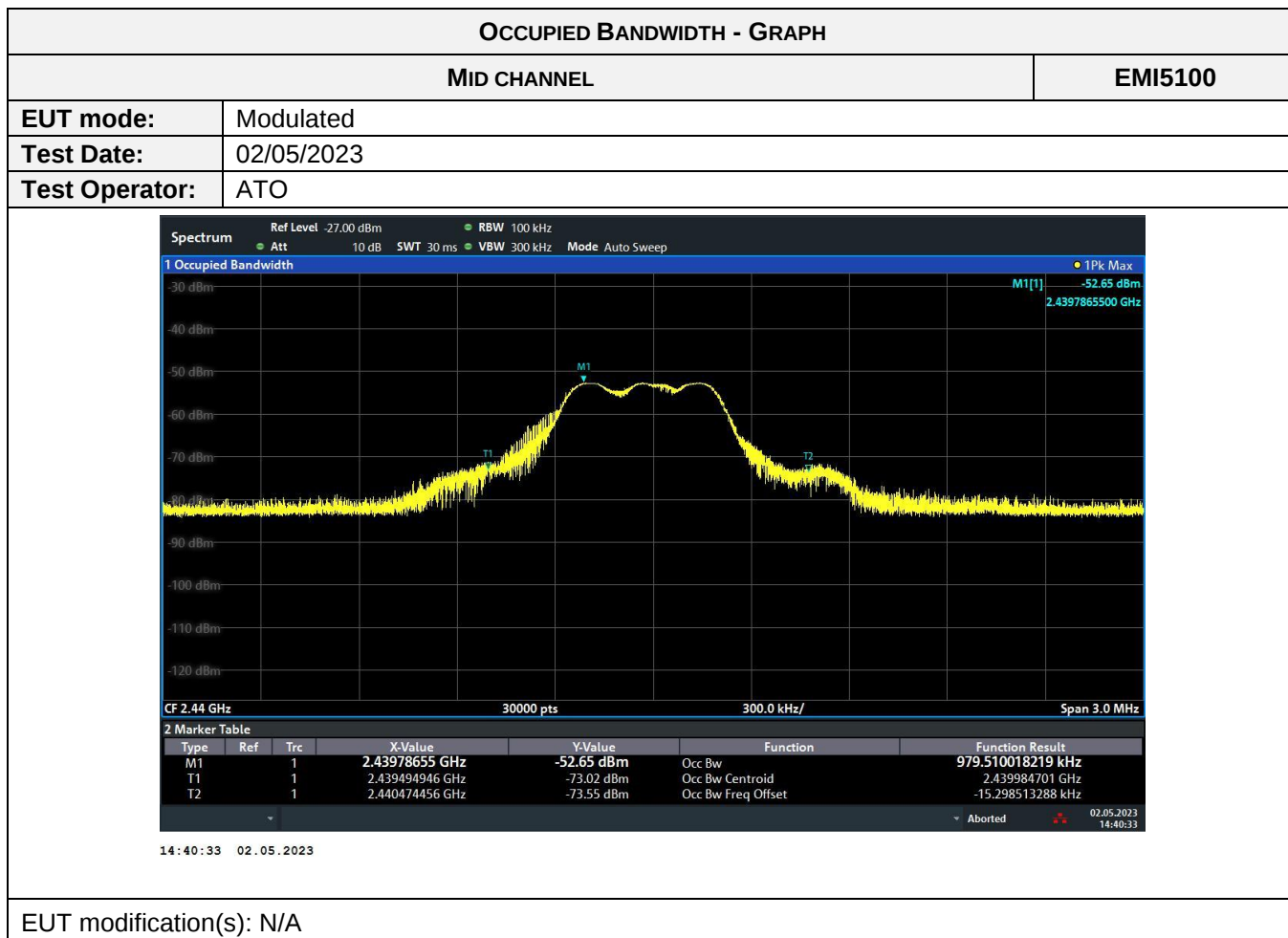
TEST CASE AND CONDITIONS	MODULATION BANDWIDTH	RESULT TAB.	VERDICT
Low channel	1272.54 kHz	EMI5099	N/A
Mid channel	979.51 kHz	EMI5100	N/A
High channel	971.89 kHz	EMI5101	N/A

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	24.3 °C
Relative Humidity	20 to 75 %	43.3 %
Atmospheric pressure	N/A	1003 hPa
Test method deviation: N/A		
Supplementary information:		

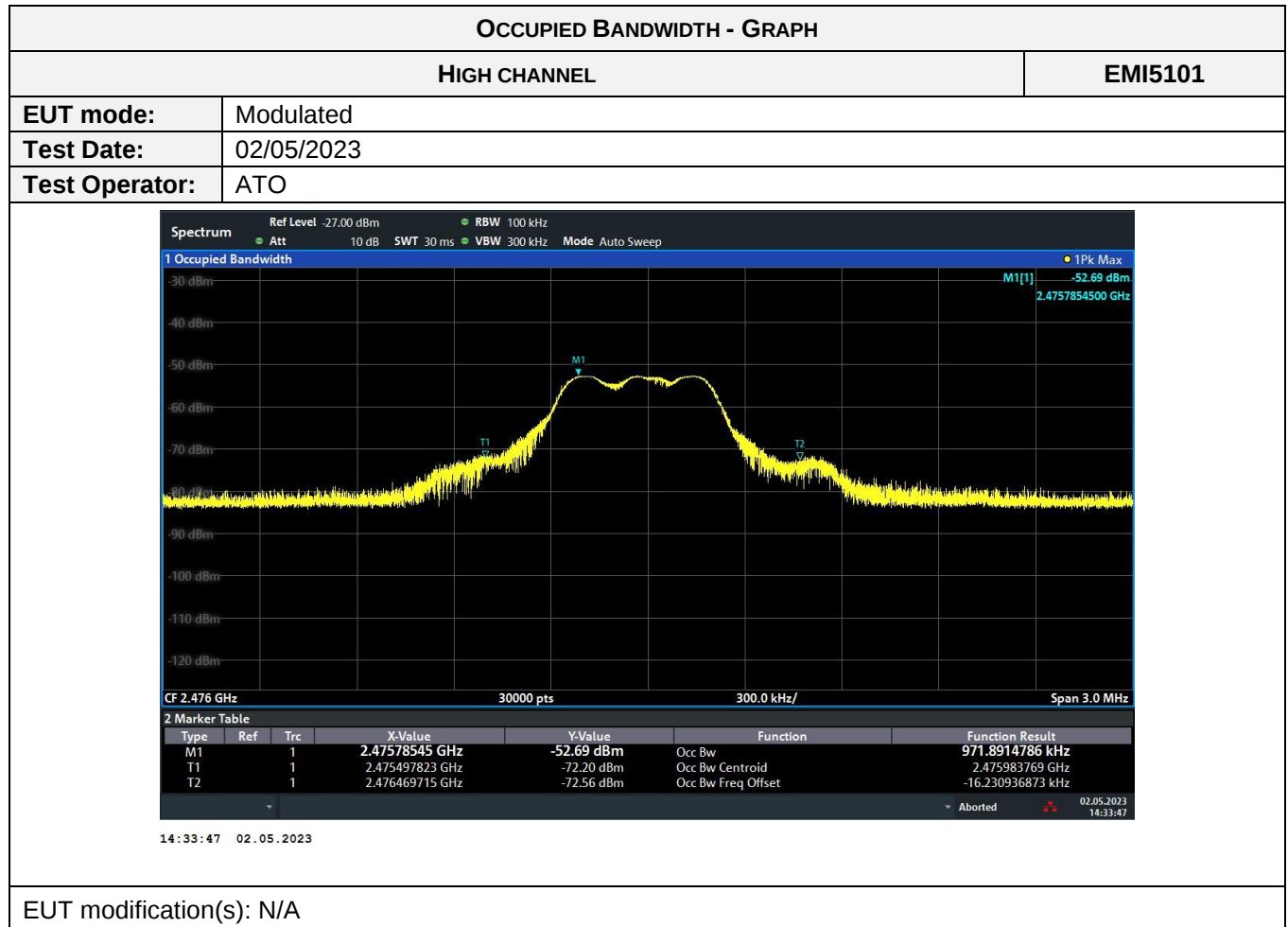
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	8387	24/03/2023	24/05/2026
Cable	SUCOFLEX	N-3m	14379	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-5,5m	14381	23/08/2021	23/10/2023
Receiver	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Shielded enclosure	RAY PROOF	C.V1	1123	19/08/2021	19/10/2024
Thermohygrometer	Testo	608-H1	7561	19/06/2023	19/08/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023

Blank cells = Permanent validity





OCCUPIED BANDWIDTH - TABULATED RESULTS			
LOW CHANNEL			
Frequency	RBW	OBW 99%	Limit
2440 MHz	100 kHz	979.51 kHz	> 500kHz



OCCUPIED BANDWIDTH - TABULATED RESULTS			
LOW CHANNEL			
Frequency	RBW	OBW 99%	Limit
2476 MHz	100 kHz	971.89 kHz	> 500kHz

7.4. Maximum effective isotropic radiated power

Reference standard:	FCC part 15 Radio part 15.247 and RSS-247
Test method:	FCC part 15.247 and RSS-247
Test description: EUT is set on an insulating support at 150cm 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.	

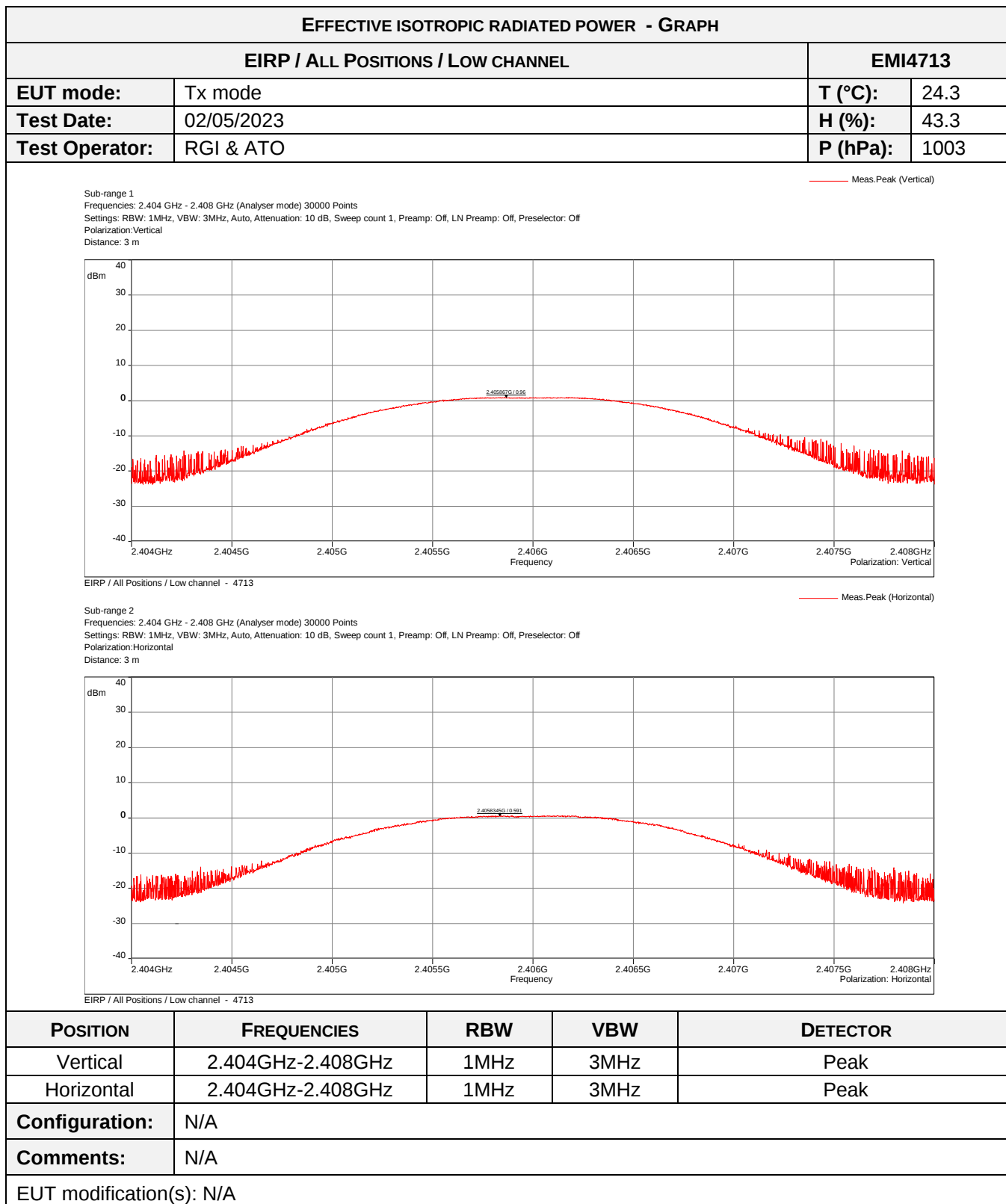
TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
EIRP / All Positions / Low channel	2.404GHz- 2.408GHz	30 dBm	EMI4713	PASS
EIRP / All Positions / Mid channel	2.438GHz- 2.442GHz	30 dBm	EMI4736	PASS
EIRP / All Positions / High channel	2.474GHz- 2.478GHz	30 dBm	EMI4737	PASS

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

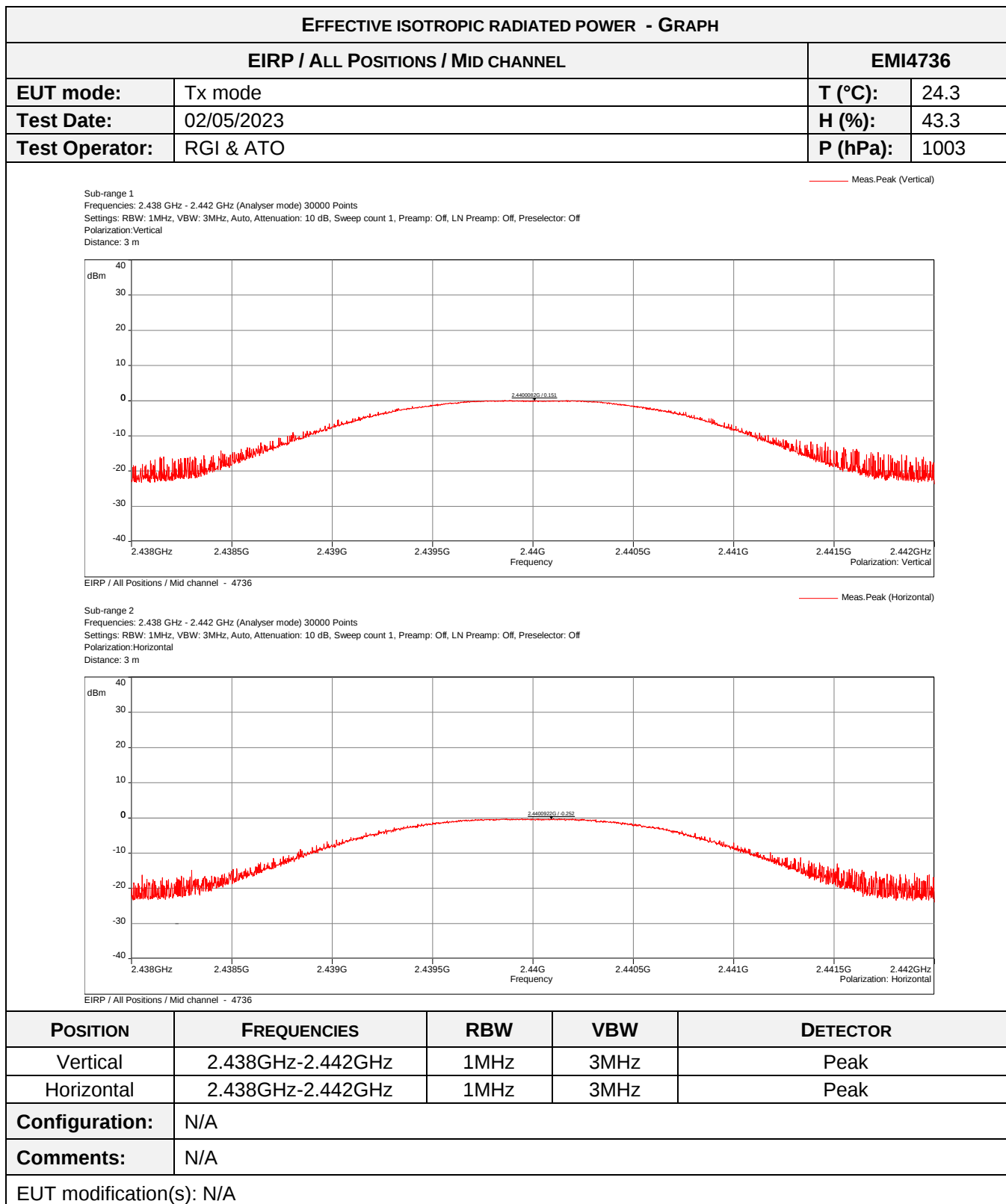
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	8387	24/03/2023	24/05/2026
Attenuator	EMITECH	SUB.V1-H	14780	20/04/2023	20/06/2024
Attenuator	EMITECH	SUB.V1-V	14781	20/04/2023	20/06/2024
Cable	SUCOFLEX	N-3m	14379	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-5,5m	14381	23/08/2021	23/10/2023
Receiver	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Shielded enclosure	RAY PROOF	C.V1	1123	19/08/2021	19/10/2024
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023
Thermohygrometer	Testo	608-H1	7561	16/05/2022	16/07/2023

BAT-EMC software version: V3.18.0.26

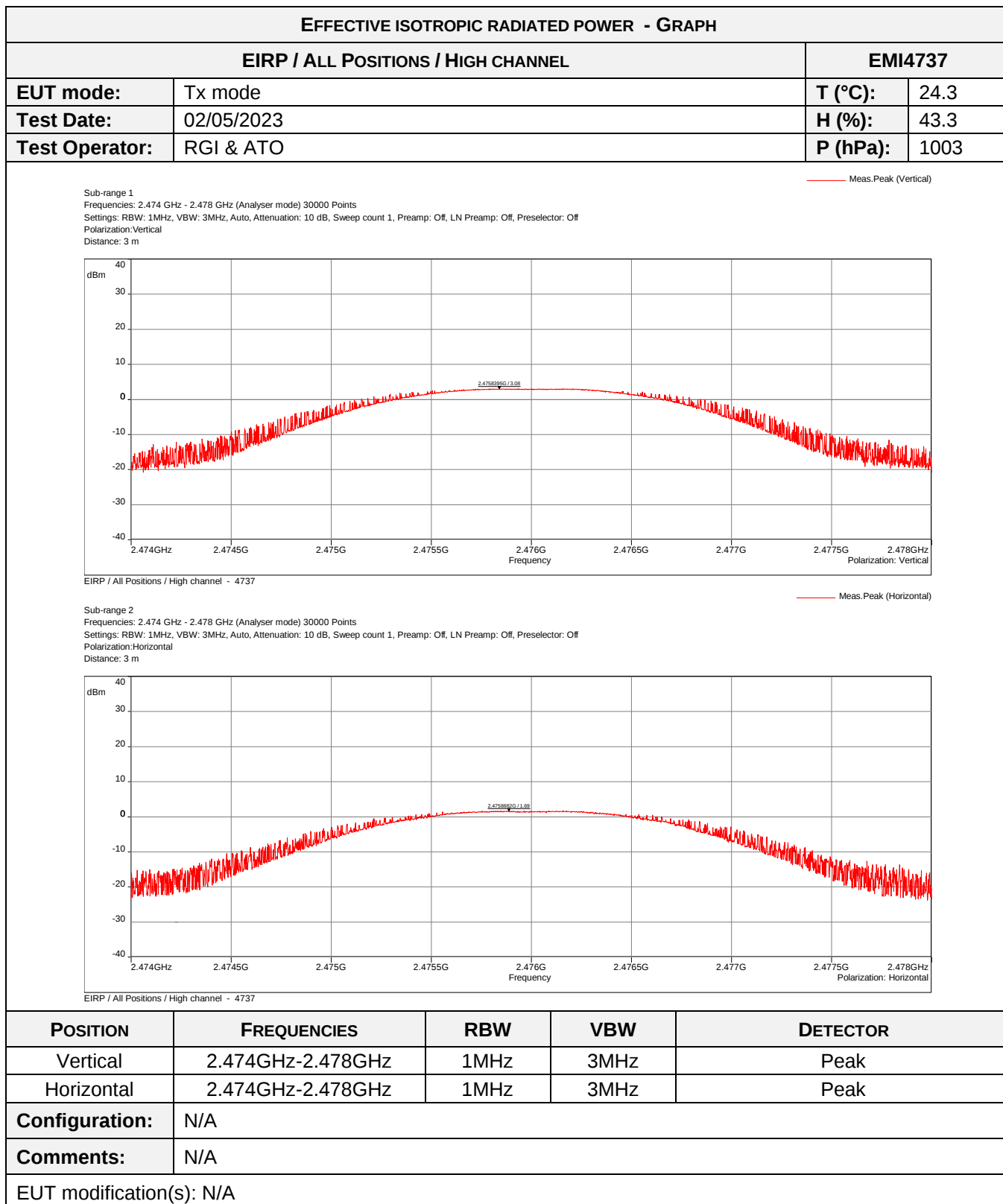
Blank cells = Permanent validity



TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS			
EIRP / ALL POSITIONS / LOW CHANNEL			EMI4713
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2404.00	Vertical	0.96	30.00
2404.00	Horizontal	0.59	30.00



EFFECTIVE ISOTROPIC RADIATED POWER - TABULATED RESULTS			
EIRP / ALL POSITIONS / MID CHANNEL			EMI4736
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2440.00	Vertical	0.151	30.00
2440	Horizontal	-0.252	30.00



EFFECTIVE ISOTROPIC RADIATED POWER - TABULATED RESULTS			
EIRP / ALL POSITIONS / HIGH CHANNEL			EMI4737
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2476.00	Vertical	3.08	30.00
2476.00	Horizontal	1.69	30.00

7.5. Band-edge compliance

Reference standard:	FCC part 15 Radio part 15.247 and RSS-247
Test method:	FCC part 15.247 subclause d) and RSS-247
Test description: d) In any 100 kHz bandwidth outside the frequency band in which the intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. EUT is connected to the measuring receiver via 50Ω attenuator(s). Only the highest levels are recorded.	

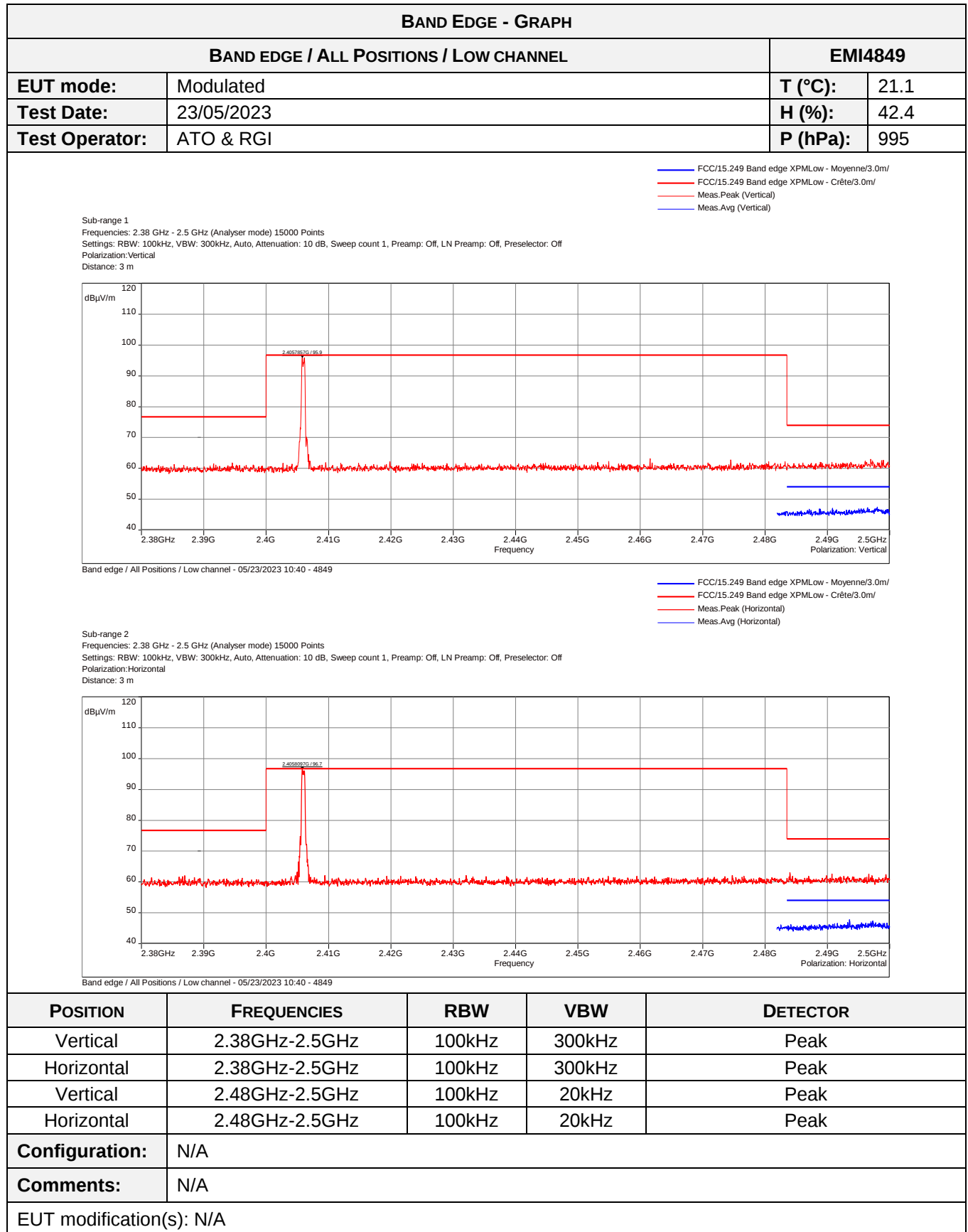
TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Band edge / All Positions / Low channel	2.38GHz-2.5GHz	>20dBc	EMI4849	PASS
Band edge / All Positions / Mid channel	2.38GHz-2.5GHz	>20dBc	EMI4851	PASS
Band edge / All Positions / High channel	2.38GHz-2.5GHz	>20dBc	EMI4853	PASS

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

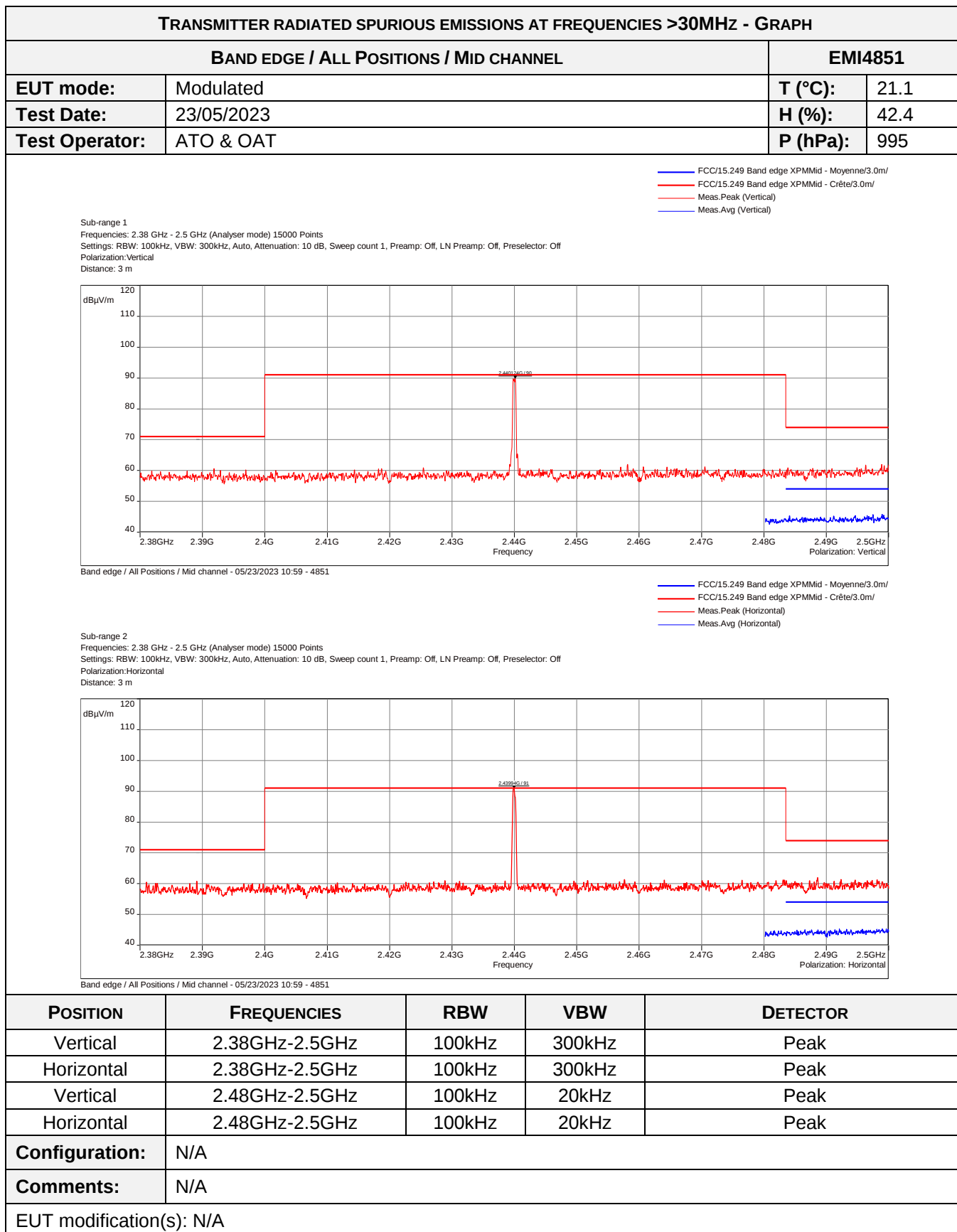
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	8387	24/03/2023	24/05/2026
Attenuator	EMITECH	SUB.V1-H	14780	20/04/2023	20/06/2024
Attenuator	EMITECH	SUB.V1-V	14781	20/04/2023	20/06/2024
Cable	SUCOFLEX	N-3m	14379	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-5,5m	14381	23/08/2021	23/10/2023
Receiver	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Shielded enclosure	RAY PROOF	C.V1	1123	19/08/2021	19/10/2024
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023
Thermohygrometer	Testo	608-H1	7561	16/05/2022	16/07/2023

BAT-EMC software version: V3.18.0.26

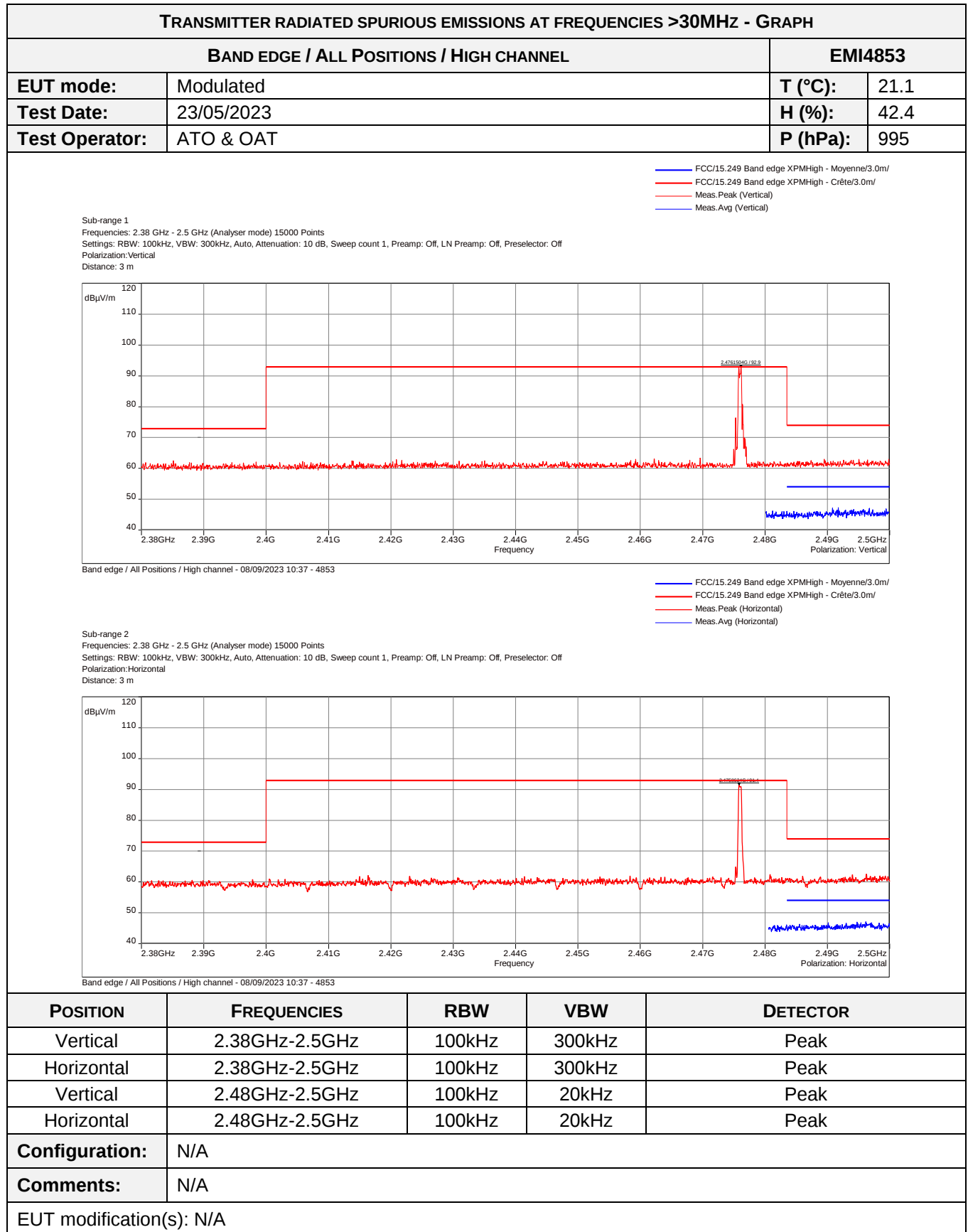
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No spurious emissions were detected.



No spurious emissions were detected.



No spurious emissions were detected.

7.6. Power spectral density

Reference standard:	FCC part 15 Radio part 15.247 and RSS-247
Test method:	FCC part 15.247 and RSS-247
Test description: e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density. EUT is connected to the measuring receiver via 50Ω attenuator(s). Only the highest levels are recorded.	

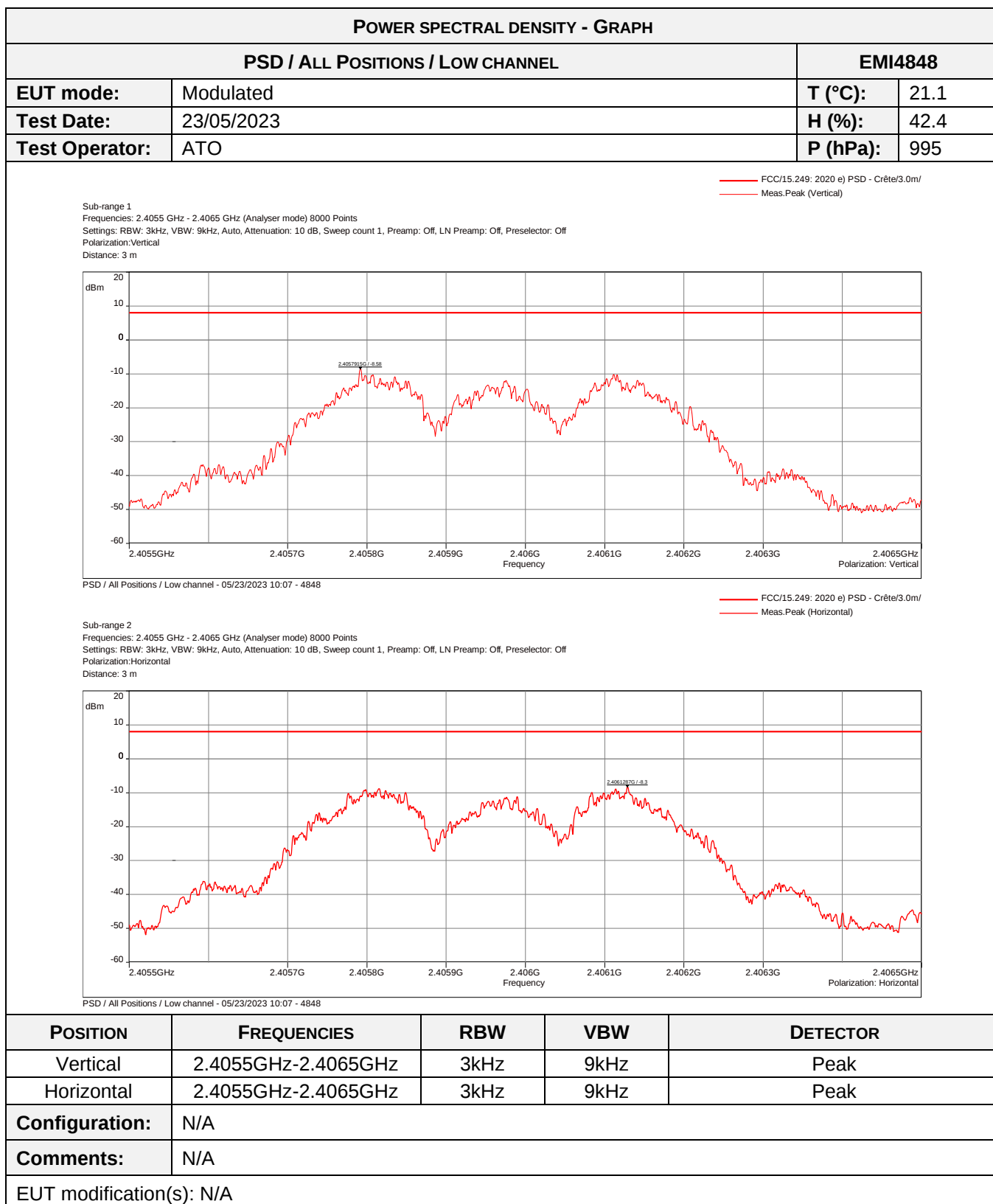
TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
PSD / All Positions / Low channel	2.4055GHz- 2.4065GHz	8dBm/3kHz	EMI4848	PASS
PSD / All Positions / Mid channel	2.4395GHz- 2.4405GHz	8dBm/3kHz	EMI4850	PASS
PSD / All Positions / High channel	2.4755GHz- 2.4765GHz	8dBm/3kHz	EMI4852	PASS

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		

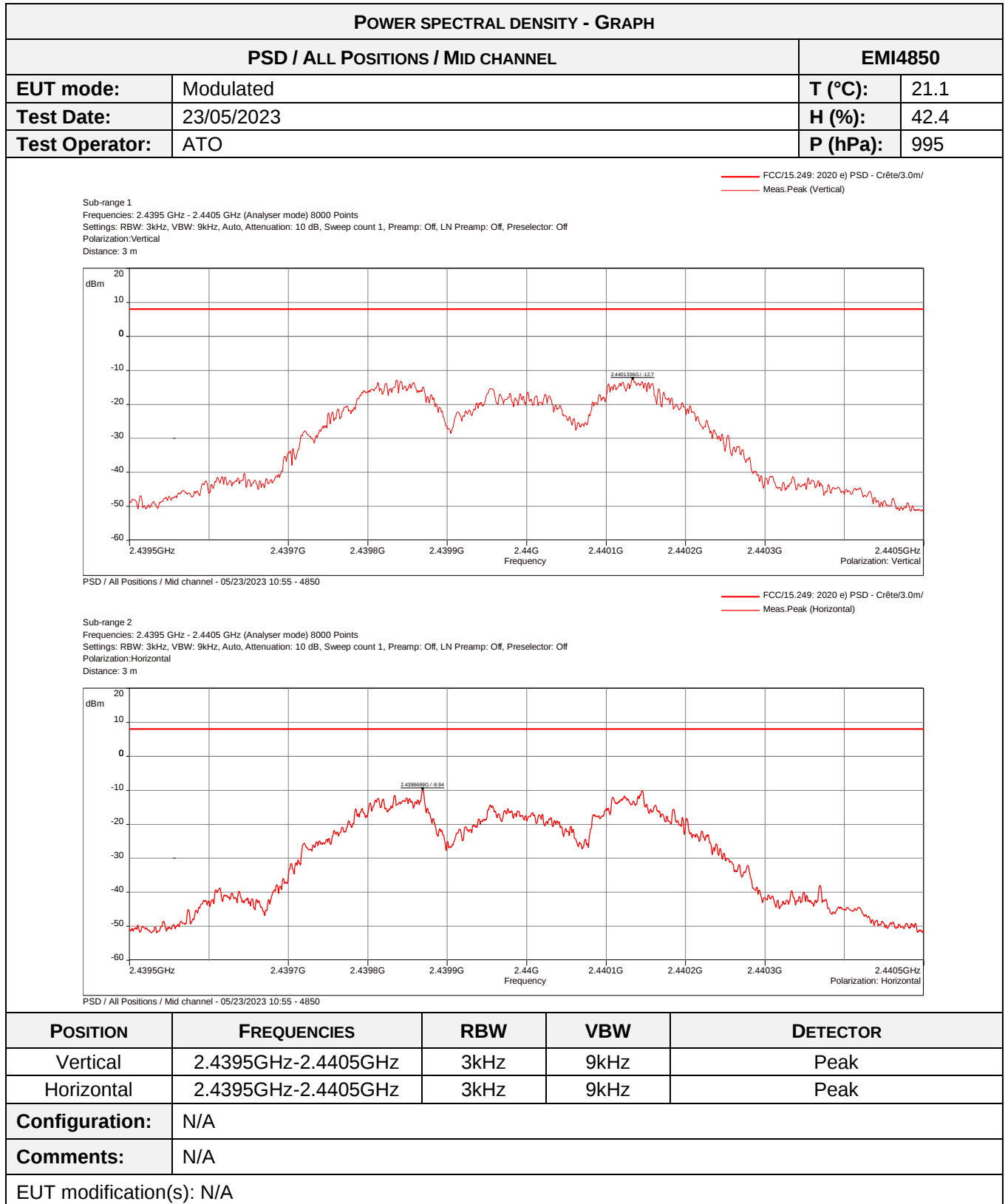
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	8387	24/03/2023	24/05/2026
Attenuator	EMITECH	SUB.V1-H	14780	20/04/2023	20/06/2024
Attenuator	EMITECH	SUB.V1-V	14781	20/04/2023	20/06/2024
Cable	SUCOFLEX	N-3m	14379	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-5,5m	14381	23/08/2021	23/10/2023
Receiver	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Shielded enclosure	RAY PROOF	C.V1	1123	19/08/2021	19/10/2024
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023
Thermohygrometer	Testo	608-H1	7561	16/05/2022	16/07/2023

BAT-EMC software version: V3.18.0.26

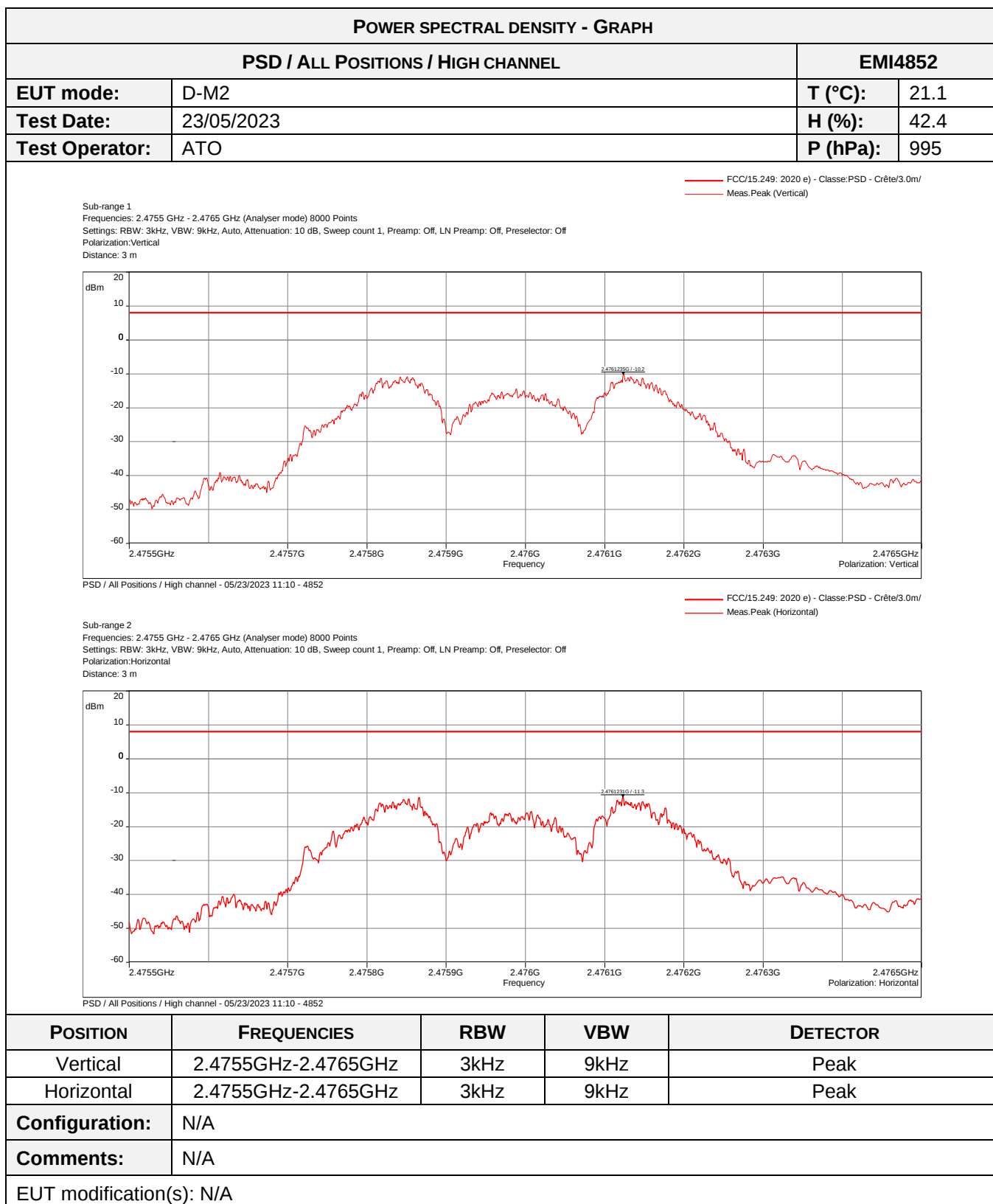
Blank cells = Permanent validity



POWER SPECTRAL DENSITY - TABULATED RESULTS			
PSD / ALL POSITIONS / LOW CHANNEL			EMI4848
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2404.00	Vertical	-8.58	8.00
2404.00	Horizontal	-8.30	8.00



POWER SPECTRAL DENSITY - TABULATED RESULTS			
PSD / ALL POSITIONS / MID CHANNEL			EMI4850
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2440.00	Vertical	-12.7	8.00
2440.00	Horizontal	-9.94	8.00



POWER SPECTRAL DENSITY - TABULATED RESULTS			
PSD / ALL POSITIONS / HIGH CHANNEL			EMI4852
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2476.00	Vertical	-10.2	8.00
2476.00	Horizontal	-11.3	8.00

7.7. Transmitter radiated spurious emissions at frequencies <30MHz

Reference standard:	FCC part 15 Radio part 15.247 and RSS-247
Test method:	ANSI C63.10: 2013
Test description: : Spurious domain emission limits are limits on emissions at frequencies other than those of the carrier and sidebands associated with normal test modulation. EUT is set on an insulating support at 80cm above the ground reference plane. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter in a anechoic chamber. The EUT was rotated 360° in order to maximize radiated levels. Test antenna was oriented in 3 axes (0°, 45° and 90°). Final measurements (quasi-peak) were then performed in a 10-meter Open Area Test Site that complies to CISPR 16 in the same measurement conditions. All frequencies were investigated, where applicable.	

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Radiated measurement / All Positions / Standby / 0°	9kHz-30MHz	Tx	EMI4835	PASS
Radiated measurement / All Positions / Standby / 45°	9kHz-30MHz	Tx	EMI4836	PASS
Radiated measurement / All Positions / Standby / 90°	9kHz-30MHz	Tx	EMI4837	PASS
Radiated measurement / All Positions / Standby + charging / 0°	9kHz-30MHz	Tx	EMI4838	PASS
Radiated measurement / All Positions / Standby + charging / 45°	9kHz-30MHz	Tx	EMI4839	PASS
Radiated measurement / All Positions / Standby + charging / 90°	9kHz-30MHz	Tx	EMI4840	PASS
Radiated measurement / All Positions / All Channels + Charging / 0°	9kHz-30MHz	Tx	EMI4841	PASS
Radiated measurement / All Positions / All Channels + Charging / 45°	9kHz-30MHz	Tx	EMI4842	PASS
Radiated measurement / All Positions / All Channels + Charging / 90°	9kHz-30MHz	Tx	EMI4843	PASS
Radiated measurement / All Positions / All Channels / 0°	9kHz-30MHz	Tx	EMI4844	PASS
Radiated measurement / All Positions / All Channels / 45°	9kHz-30MHz	Tx	EMI4845	PASS
Radiated measurement / All Positions / All Channels / 90°	9kHz-30MHz	Tx	EMI4846	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	HFH2-Z2	5825	16/08/2022	16/10/2024
Cable	SUCOFLEX	N-3m	14378	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-6,5m	14380	23/08/2021	23/10/2023
Cable	Techniwave	N-8m	18349	25/01/2022	25/03/2024
Receiver	Rohde & Schwarz	ESW26	17791	08/02/2023	08/04/2024
Shielded enclosure	COMTEST	SAC 3m	14494	23/01/2023	23/03/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H2	12269	07/06/2022	07/08/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023

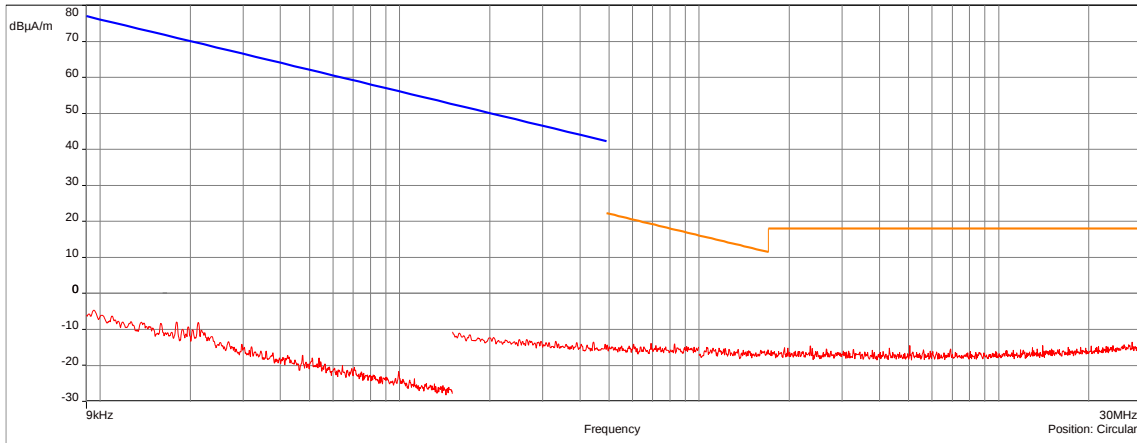
BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

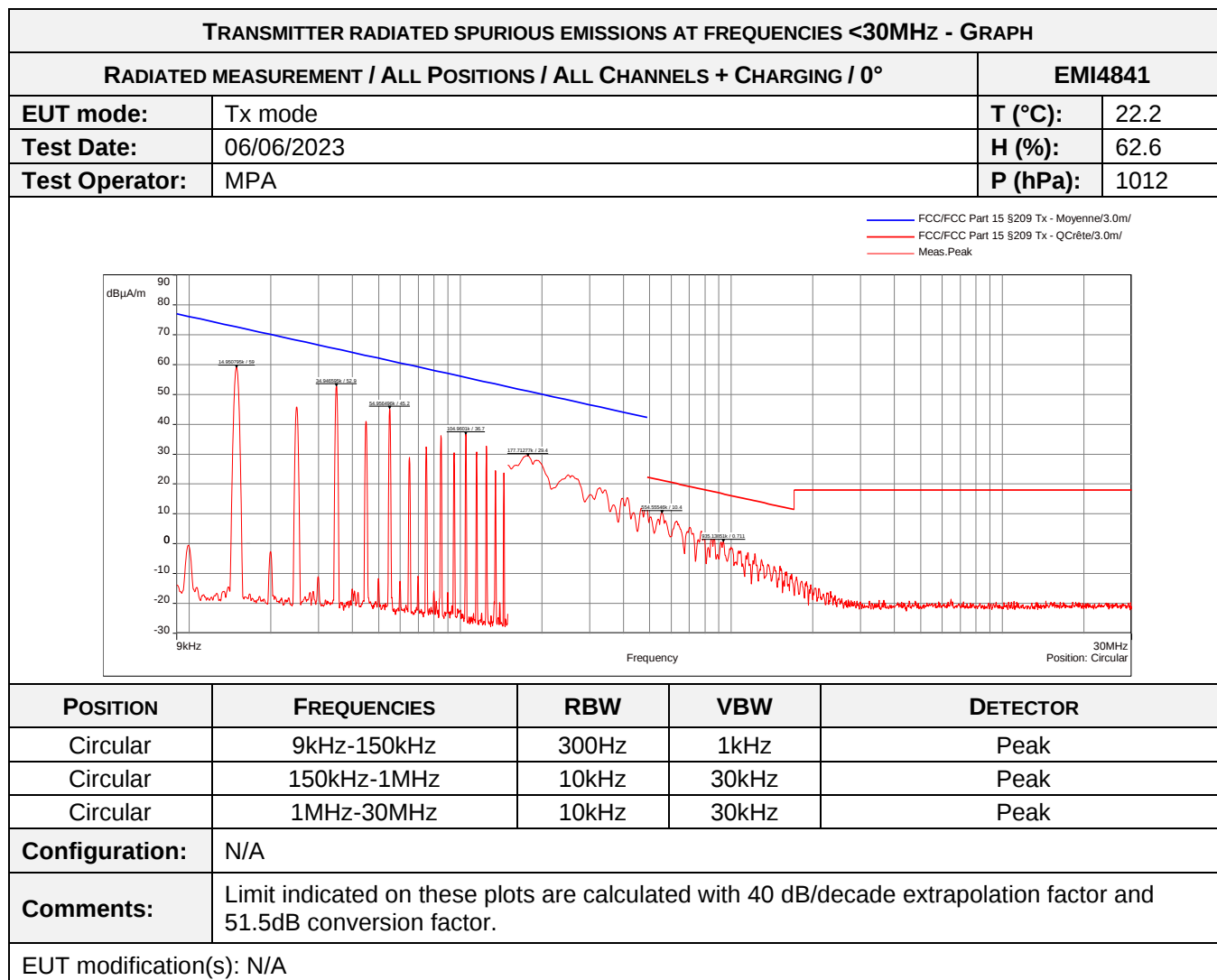
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - TABULATED RESULTS				
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY + CHARGING				
Frequency (kHz)	Preliminary measurement (Pk) (dBμA/m)	Final measurement (OATS) (dBμA/m)	Limit (dBμA/m)	Margin (Level-Limit)
0.015	62.68	N/P	72.59	-9.9
0.025	48.59	N/P	68.15	-19.55
0.035	54.88	N/P	65.23	-10.35
0.045	42.44	N/P	63.04	-20.6
0.055	46.24	N/P	61.3	-15.05
0.085	36.58	N/P	57.52	-20.93
0.105	36.81	N/P	55.68	-18.87
0.125	32.7	N/P	54.17	-21.47
0.176	29.55	N/P	51.18	-21.63
0.555	10.36	N/P	21.23	-10.86
0.704	5.48	N/P	19.16	-13.67
0.776	4.21	N/P	18.31	-14.1
0.846	2.61	N/P	17.55	-14.94
0.935	0.71	N/P	16.69	-15.97
1.000	-1.4	N/P	16.1	-17.5
1.151	-2.93	N/P	14.88	-17.82
1.223	-3.39	N/P	14.35	-17.74
1.293	-5.3	N/P	13.87	-19.17
Supplementary information: When margin between peak measurements and quasi-peak or average limit is > 6dB, so no quasi-peak or average measurements were performed.				
Spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily reported.				

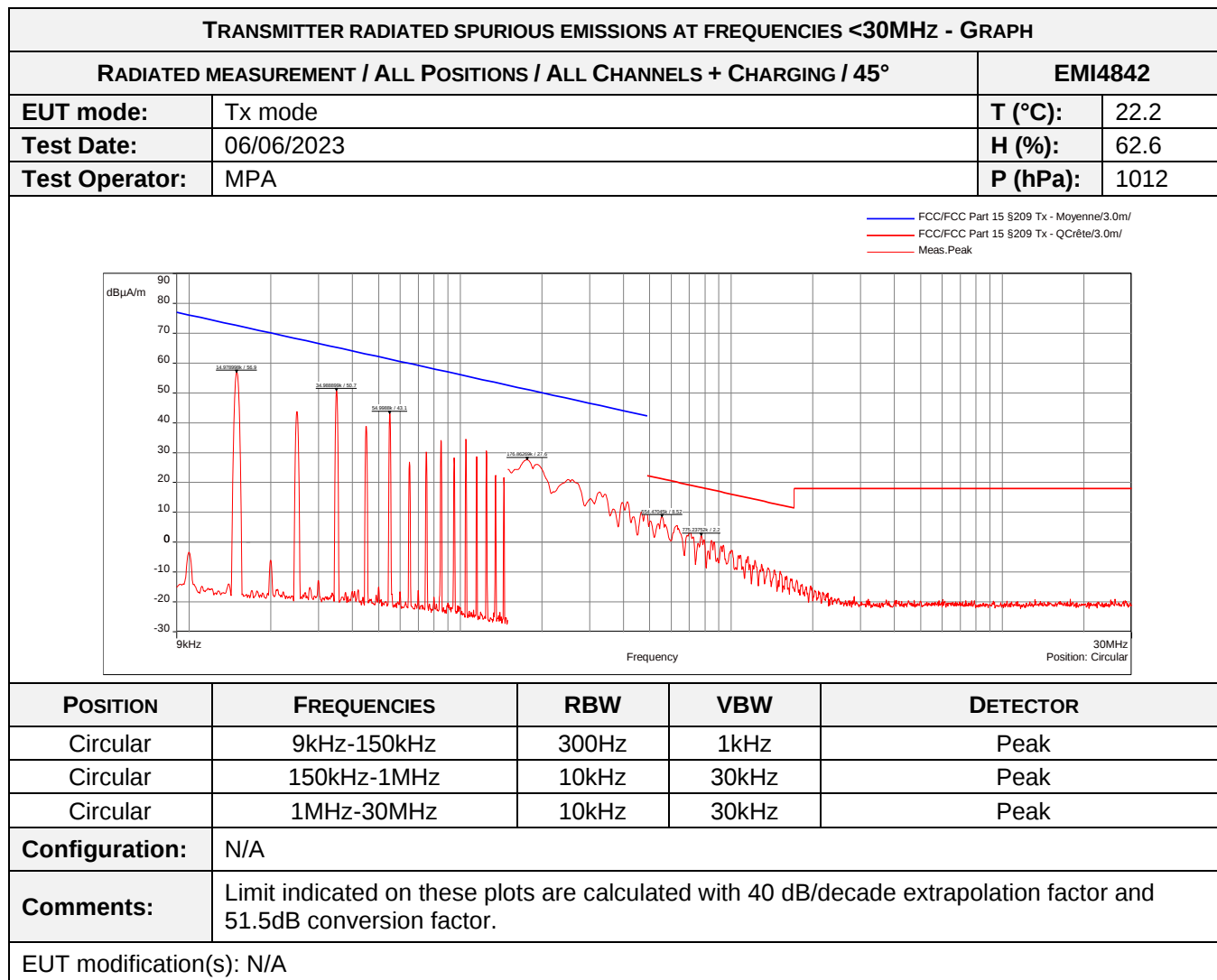
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - TABULATED RESULTS				
RADIATED MEASUREMENT / ALL POSITIONS / ALL CHANNELS				
Frequency (kHz)	Preliminary measurement (Pk) (dBμA/m)	Final measurement (OATS) (dBμA/m)	Limit (dBμA/m)	Margin (Level-Limit)
0.022	67.86	28.71	69.23	-40.52
0.037	50.54	N/P	64.8	-14.25
0.051	55.3	18.04	61.87	-43.83
0.066	43.12	N/P	59.69	-16.58
0.081	44.65	N/P	57.95	-13.3
0.152	32.3	N/P	52.49	-20.2
0.187	32.39	N/P	50.66	-18.28
0.312	21.99	N/P	46.21	-24.22
0.545	9.36	N/P	21.38	-12.01
0.580	12.95	N/P	20.84	-7.89
0.615	11.79	N/P	20.32	-8.53
0.652	5.55	N/P	19.82	-14.27
0.705	9.2	N/P	19.14	-9.94
0.741	8.94	N/P	18.71	-9.77
0.777	4.11	N/P	18.3	-14.19
0.830	5.35	N/P	17.72	-12.36
0.866	5.94	N/P	17.35	-11.42
0.991	2.38	N/P	16.18	-13.8
1.006	0.04	N/P	16.05	-16.02
1.131	-0.04	N/P	15.04	-15.08
1.255	-0.74	N/P	14.13	-14.87
1.293	-3.23	N/P	13.87	-17.1
1.345	-4.84	N/P	13.53	-18.37
1.383	-2.5	N/P	13.29	-15.79
1.418	-4.05	N/P	13.07	-17.13
1.473	-7.42	N/P	12.74	-20.17
1.508	-4.25	N/P	12.54	-16.79
1.542	-5.52	N/P	12.34	-17.86
1.632	-6.69	N/P	11.85	-18.54
1.667	-7.2	N/P	11.67	-18.86
Supplementary information: When margin between peak measurements and quasi-peak or average limit is > 6dB, so no quasi-peak or average measurements were performed.				
Spurious which has more than 20 dB of margin compared to the applicable limit is not necessarily reported.				

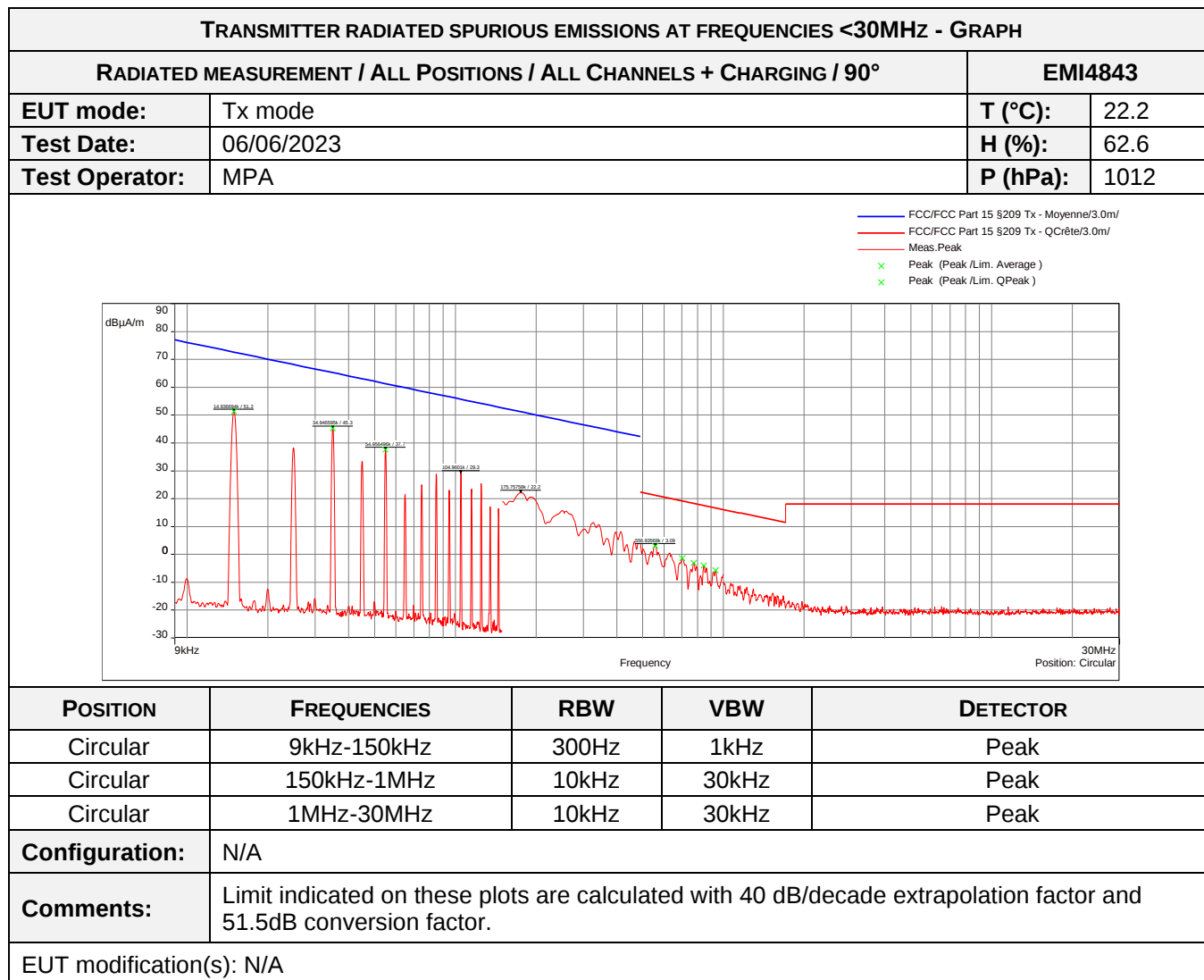
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - GRAPH					
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY / 0°				EMI4835	
EUT mode:	Modulated			T (°C):	21.4
Test Date:	22/05/2023			H (%):	42.6
Test Operator:	ATO			P (hPa):	1005
<					

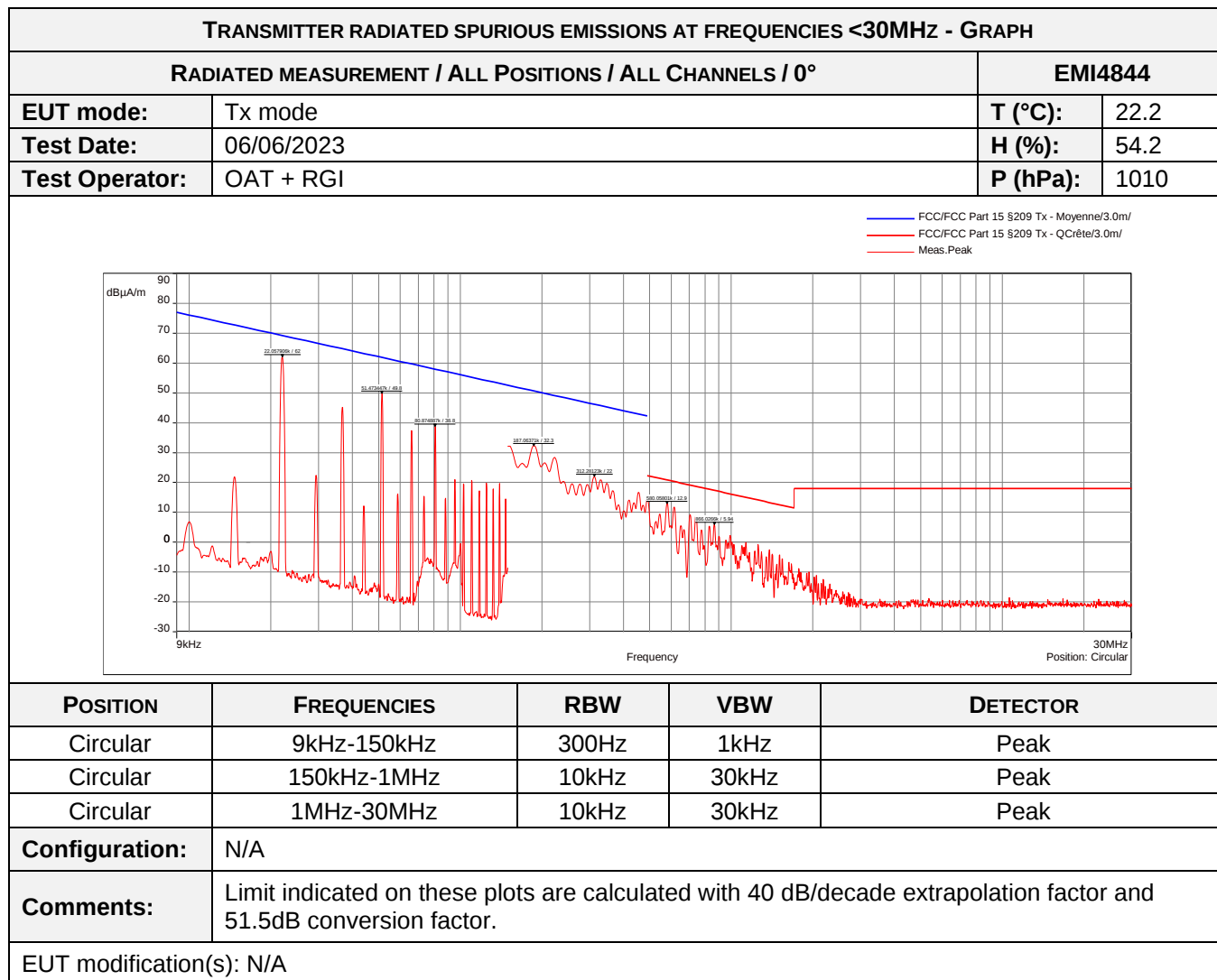
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - GRAPH					
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY / 45°				EMI4836	
EUT mode:	Modulated			T (°C):	21.4
Test Date:	22/05/2023			H (%):	42.6
Test Operator:	ATO			P (hPa):	1005
FCC/FCC Part 15 §209 Tx - Moyenne/3.0m/ FCC/FCC Part 15 §209 Tx - QCrête/3.0m/ Meas.Peak 					
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					

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES <30MHz - GRAPH					
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY + CHARGING / 90°				EMI4840	
EUT mode:	Modulated			T (°C):	21.4
Test Date:	22/05/2023			H (%):	42.6
Test Operator:	ATO			P (hPa):	1005
</					









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7.8. Transmitter radiated spurious emissions at frequencies >30MHz

Reference standard:	FCC part 15 Radio part 15.109, 15.209 & CNR-Gen
Test method:	ANSI C63.10: 2013
General test setup: EUT is set on an insulating support at 150cm 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
Radiated measurement / All Positions / All Frequency	30MHz-1GHz	15.209	EMI4739	PASS
Radiated measurement / All Positions / Standby + Charging	30MHz-1GHz	15.209	EMI4740	PASS
Radiated measurement / All Positions / Standby	30MHz-1GHz	15.209	EMI4741	PASS
Radiated measurement / All Positions / All Frequency + Charging	30MHz-1GHz	15.209	EMI4833	PASS
Radiated measurement / All Positions / Low channel / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4855	PASS
Radiated measurement / All Positions / Mid channel / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4856	PASS
Radiated measurement / All Positions / High channel / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4857	PASS
Radiated measurement / All Positions / Low channel + Charging / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4858	PASS
Radiated measurement / All Positions / Mid channel + Charging / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4859	PASS
Radiated measurement / All Positions / High channel + Charging / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4860	PASS
Radiated measurement / All Positions / Standby / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4861	PASS
Radiated measurement / All Positions / Standby + Charging / 1GHz to 18GHz	1GHz-18GHz	15.209	EMI4862	PASS
Radiated measurement / All Positions / Low channel / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4864	PASS
Radiated measurement / All Positions / Mid channel / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4865	PASS
Radiated measurement / All Positions / High channel / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4866	PASS
Radiated measurement / All Positions / Low channel + Charging / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4867	PASS
Radiated measurement / All Positions / Mid channel + Charging / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4868	PASS
Radiated measurement / All Positions / High channel + Charging / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4869	PASS
Radiated measurement / All Positions / Standby / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4870	PASS

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Radiated measurement / All Positions / Standby + Charging / 18GHz to 26.5GHz	18GHz-26.5GHz	15.209	EMI4871	PASS

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY + CHARGING						EMI4740
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
31.29	Vertical	Pk	24.29	33.73	40.00	-6.27
35.46	Vertical	Pk	21.96	31.93	40.00	-8.07
64.88	Vertical	Pk	14.44	29.88	40.00	-10.12
130.30	Horizontal	Pk	15.33	28.45	43.50	-15.05
131.30	Horizontal	Pk	15.40	28.64	43.50	-14.86
257.56	Horizontal	Pk	21.73	28.35	46.00	-17.65
Supplementary information: N/A						

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / ALL FREQUENCY + CHARGING						EMI4833
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
34.74	Vertical	QP	22.36	27.48	40.00	-12.52
35.46	Vertical	QP	21.96	27.77	40.00	-12.23
39.21	Vertical	Pk	19.97	33.46	40.00	-6.54
61.94	Horizontal	Pk	14.82	32.71	40.00	-7.29
62.62	Horizontal	Pk	14.69	60.62	40.00	20.62
77.07	Horizontal	Pk	14.27	31.55	40.00	-8.45
Supplementary information: N/A						

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / LOW CHANNEL / 1GHz to 18GHz						EMI4855
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
4810.68	Vertical	Av	0.67	47.55	54.00	-6.45
7216.92	Vertical	Av	6.27	53.18	54.00	-0.82
4810.68	Horizontal	Av	0.67	39.20	54.00	-14.8
7218.42	Horizontal	Av	6.27	52.68	54.00	-1.32
Supplementary information: N/A						

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / MID CHANNEL / 1GHz TO 18GHz						EMI4856
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
4879.68	Vertical	Av	0.91	46.94	54.00	-7.06
7318.93	Vertical	Av	6.31	53.32	54.00	-0.68
4879.68	Horizontal	Av	0.91	39.39	54.00	-14.61
7318.93	Horizontal	Av	6.31	51.95	54.00	-2.05
Supplementary information: N/A						

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / HIGH CHANNEL / 1GHz TO 18GHz						EMI4857
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
4951.69	Vertical	Av	0.90	47.89	54.00	-6.11
7428.44	Vertical	Av	6.46	52.47	54.00	-1.53
4951.69	Horizontal	Av	0.90	47.02	54.00	-6.98
7428.44	Horizontal	Av	4.46	50.30	54.00	-3.70
Supplementary information: N/A						

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / LOW CHANNEL + CHARGING / 1GHz TO 18GHz						EMI4857
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
4810.68	Vertical	Av	0.67	40.12	54.00	-13.88
7216.92	Vertical	Av	6.27	52.55	54.00	-1.45
4810.68	Horizontal	Av	0.67	41.95	54.00	-12.05
7218.42	Horizontal	Av	6.27	53.69	54.00	-0.31
Supplementary information: N/A						

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / MID CHANNEL + CHARGING / 1GHz TO 18GHz						EMI4858
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
4879.68	Vertical	Av	0.91	47.68	54.00	-6.32
7318.93	Vertical	Av	6.31	53.32	54.00	-0.68
4879.68	Horizontal	Av	0.91	41.30	54.00	-12.7
7318.93	Horizontal	Av	6.31	52.05	54.00	-1.95
Supplementary information: N/A						

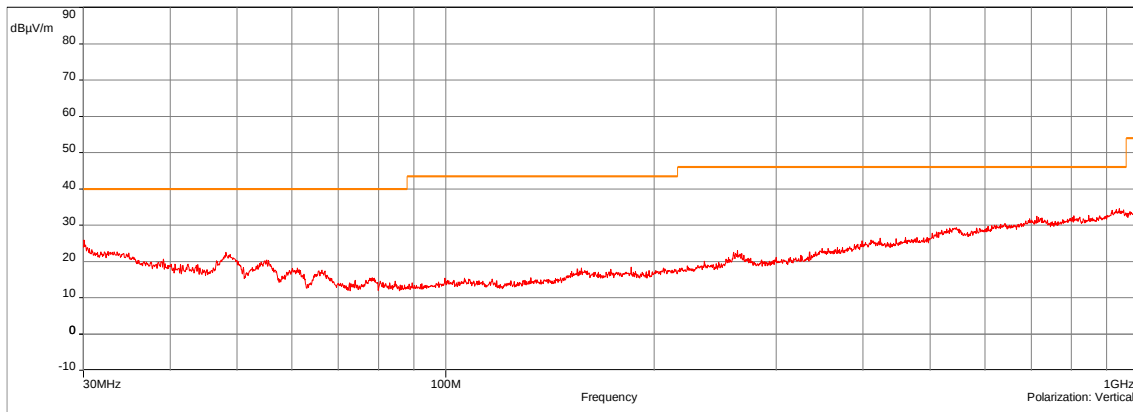
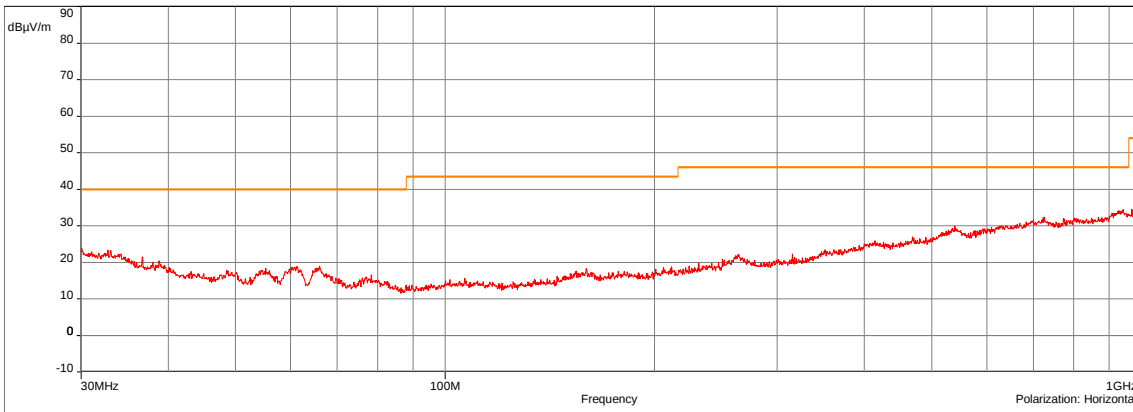
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - TABULATED RESULTS						
RADIATED MEASUREMENT / ALL POSITIONS / HIGH CHANNEL + CHARGING / 1GHz TO 18GHz						EMI4859
Test Frequency (MHz)	Polarization	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Level dB (μA)	Limit dB (μA)	Margin (dB)
4951.69	Vertical	Av	0.90	49.42	54.00	-4.58
7428.44	Vertical	Av	6.46	51.51	54.00	-2.49
9903.69	Vertical	Av	8.25	48.87	54.00	-5.13
4951.69	Horizontal	Av	0.90	48.75	54.00	-5.25
7428.44	Horizontal	Av	4.46	49.55	54.00	-4.45
9903.69	Horizontal	Av	8.25	45.02	54.00	-8.98
Supplementary information: N/A						

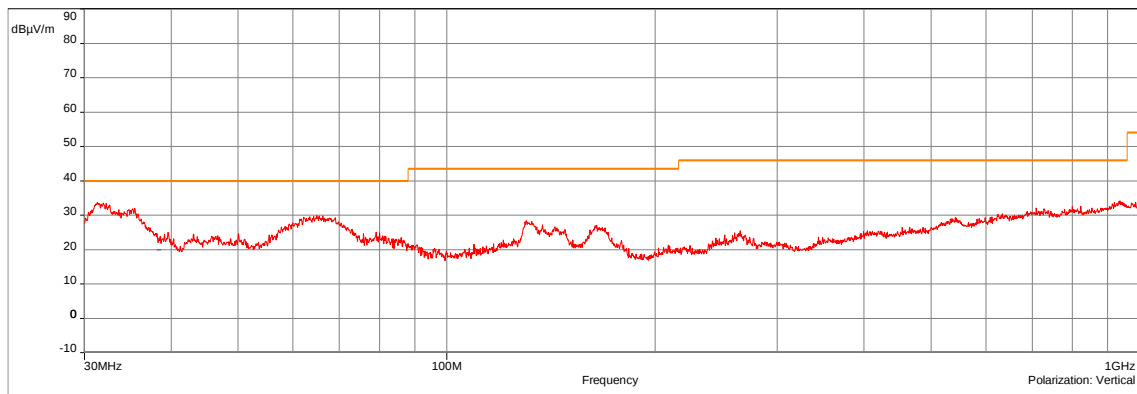
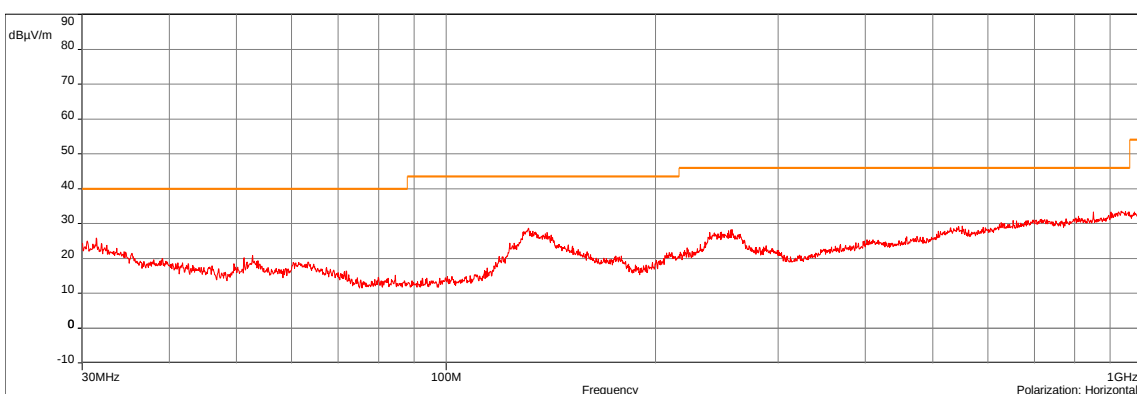
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	See Graph(s)
Relative Humidity	20 to 75 %	See Graph(s)
Atmospheric pressure	N/A	See Graph(s)
Test method deviation: N/A		
Supplementary information: N/A		

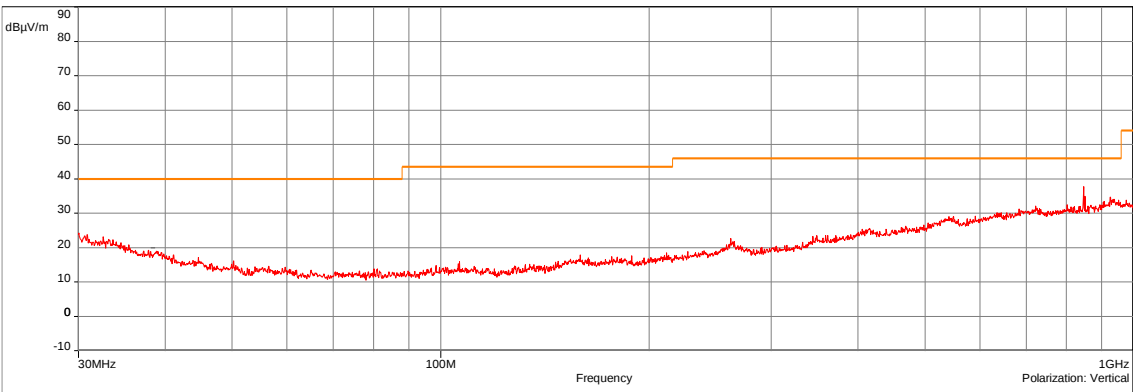
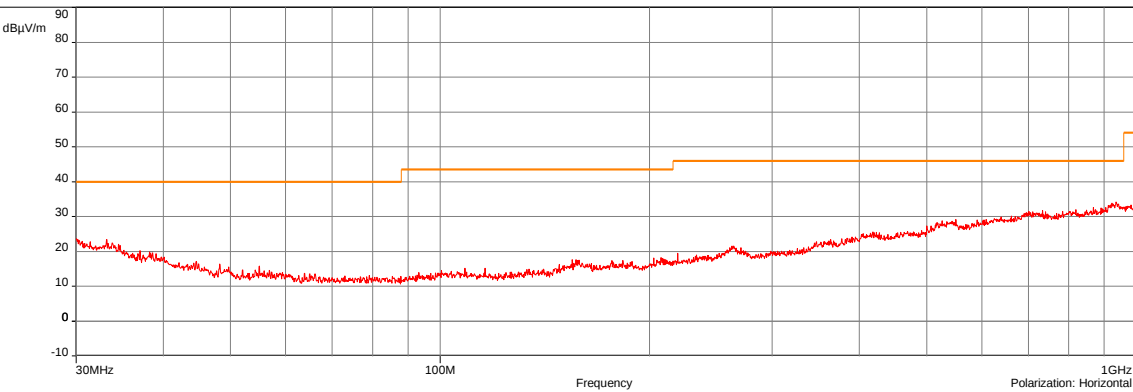
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	8387	24/03/2023	24/05/2026
Antenna	ETS lindgren	3142E	14523	27/01/2022	27/03/2025
Antenna	ETS lindgren	3160-09	14690	07/01/2022	07/03/2025
Attenuator	EMITECH	SUB.V1-H	14780	20/04/2023	20/06/2024
Attenuator	EMITECH	SUB.V1-V	14781	20/04/2023	20/06/2024
Cable	JYE BAO	K30K30-5003-40G1	14887	20/04/2023	20/06/2025
Cable	Huber + Suhner	K-5m	14460	19/01/2022	19/03/2024
Cable	cables and connectors	N-1.5m	4203	03/03/2023	03/05/2025
Cable	SUCOFLEX	N-3m	14378	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-3m	14379	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-5,5m	14381	23/08/2021	23/10/2023
Cable	SUCOFLEX	N-6,5m	14380	23/08/2021	23/10/2023
Cable	Techniwave	N-8m	18349	25/01/2022	25/03/2024
Filter	Micro-Tronics	HPM 11630	4392	22/11/2021	22/01/2025
Filter	Micro-Tronics	HPM 15162	10273	26/11/2021	26/01/2025
Filter	Wainwright Instruments	WRCGV 2402/2480- 2380/2500- 40/10EE-200W	9771	15/03/2022	15/05/2025
Preamplifier	Wright Technologie	ASL40-B3015	14851	20/04/2023	20/06/2024
Preamplifier	IMPULSE	CA118-546ACN	9169	27/04/2022	27/12/2023
Receiver	Rohde & Schwarz	ESW26	17791	08/02/2023	08/04/2024
Receiver	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Receiver	Rohde & Schwarz	FSW43	14830	10/08/2022	10/10/2024
Shielded enclosure	RAY PROOF	C.V1	1123	19/08/2021	19/10/2024
Shielded enclosure	RAY PROOF	C.V2	1423	04/10/2019	04/12/2023
Shielded enclosure	COMTEST	SAC 3m	14494	08/07/2020	08/01/2024
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H1	7561	19/05/2022	19/09/2023
Thermohygrometer	Testo	608-H2	12269	07/06/2022	07/08/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023

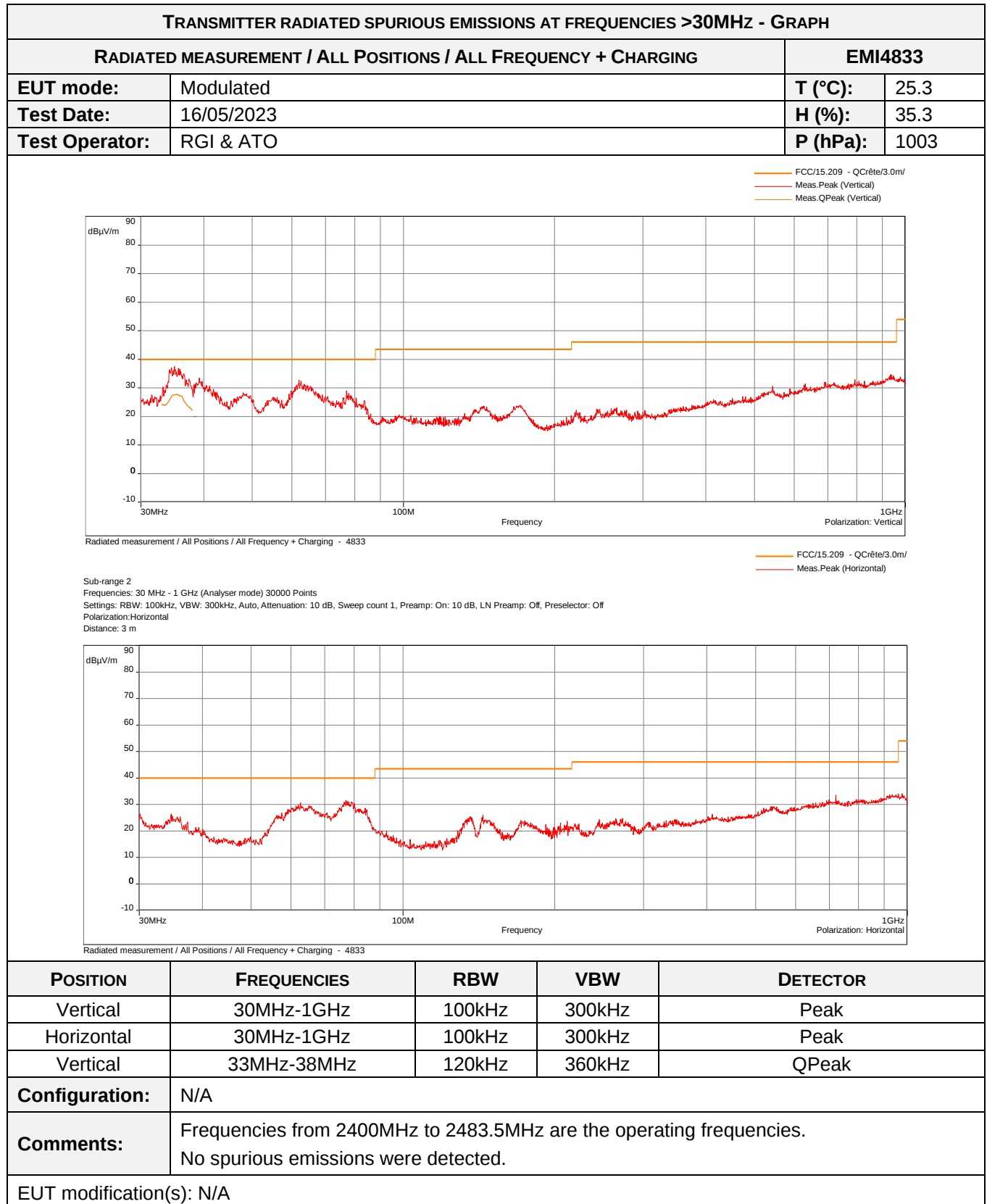
BAT-EMC software version: V3.18.0.26

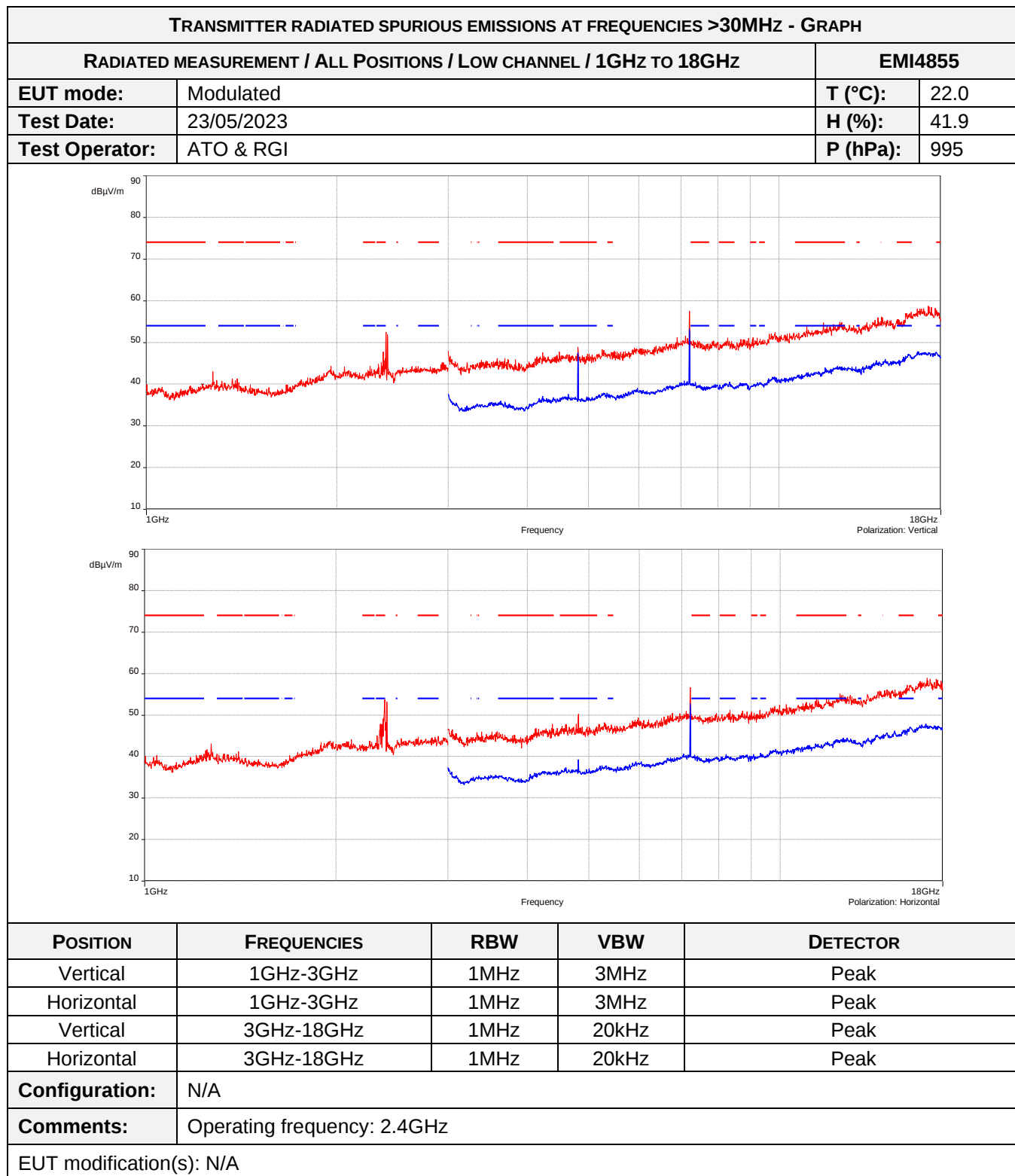
Blank cells = Permanent validity

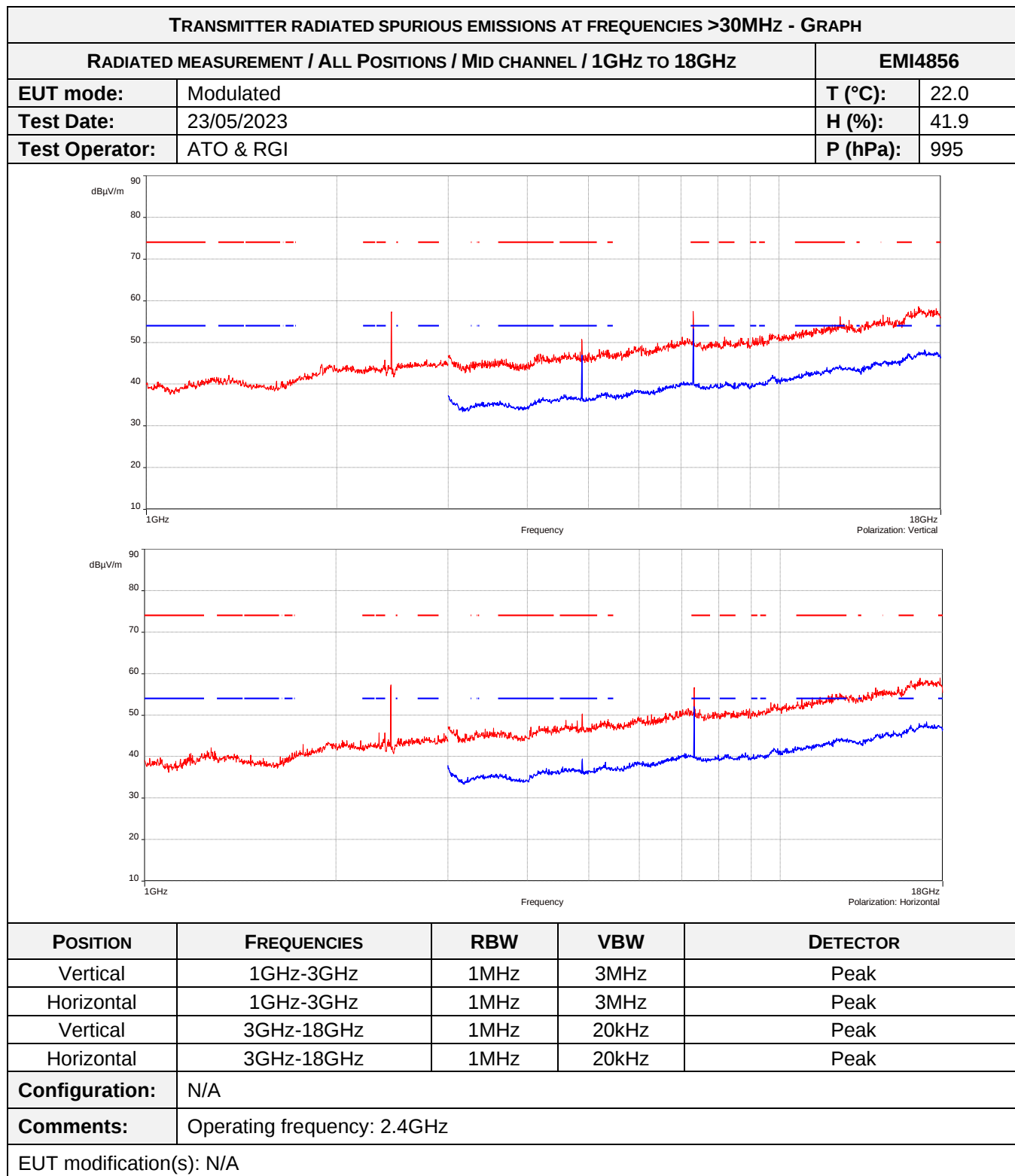
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / ALL FREQUENCY			EMI4739	
EUT mode:	Modulated	T (°C):	25.3	
Test Date:	02/05/2023	H (%):	35.3	
Test Operator:	RGI & ATO	P (hPa):	1003	
Sub-range 1 Frequencies: 30 MHz - 1 GHz (Analyser mode) 30000 Points Settings: RBW: 100kHz, VBW: 300kHz, Auto, Attenuation: 10 dB, Sweep count 1, Preamp: On: 10 dB, LN Preamp: Off, Preselector: Off Polarization: Vertical Distance: 3 m  Radiated measurement / All Positions / All Frequency - 4739 Sub-range 2 Frequencies: 30 MHz - 1 GHz (Analyser mode) 30000 Points Settings: RBW: 100kHz, VBW: 300kHz, Auto, Attenuation: 10 dB, Sweep count 1, Preamp: On: 10 dB, LN Preamp: Off, Preselector: Off Polarization: Horizontal Distance: 3 m  Radiated measurement / All Positions / All Frequency - 4739				
POSITION	FREQUENCIES	RBW	VBW	DETECTOR
Vertical	30MHz-1GHz	100kHz	300kHz	Peak
Horizontal	30MHz-1GHz	100kHz	300kHz	Peak
Configuration:	N/A			
Comments:	Frequencies from 2400MHz to 2483.5MHz are the operating frequencies. No spurious emissions were detected.			
EUT modification(s): N/A				

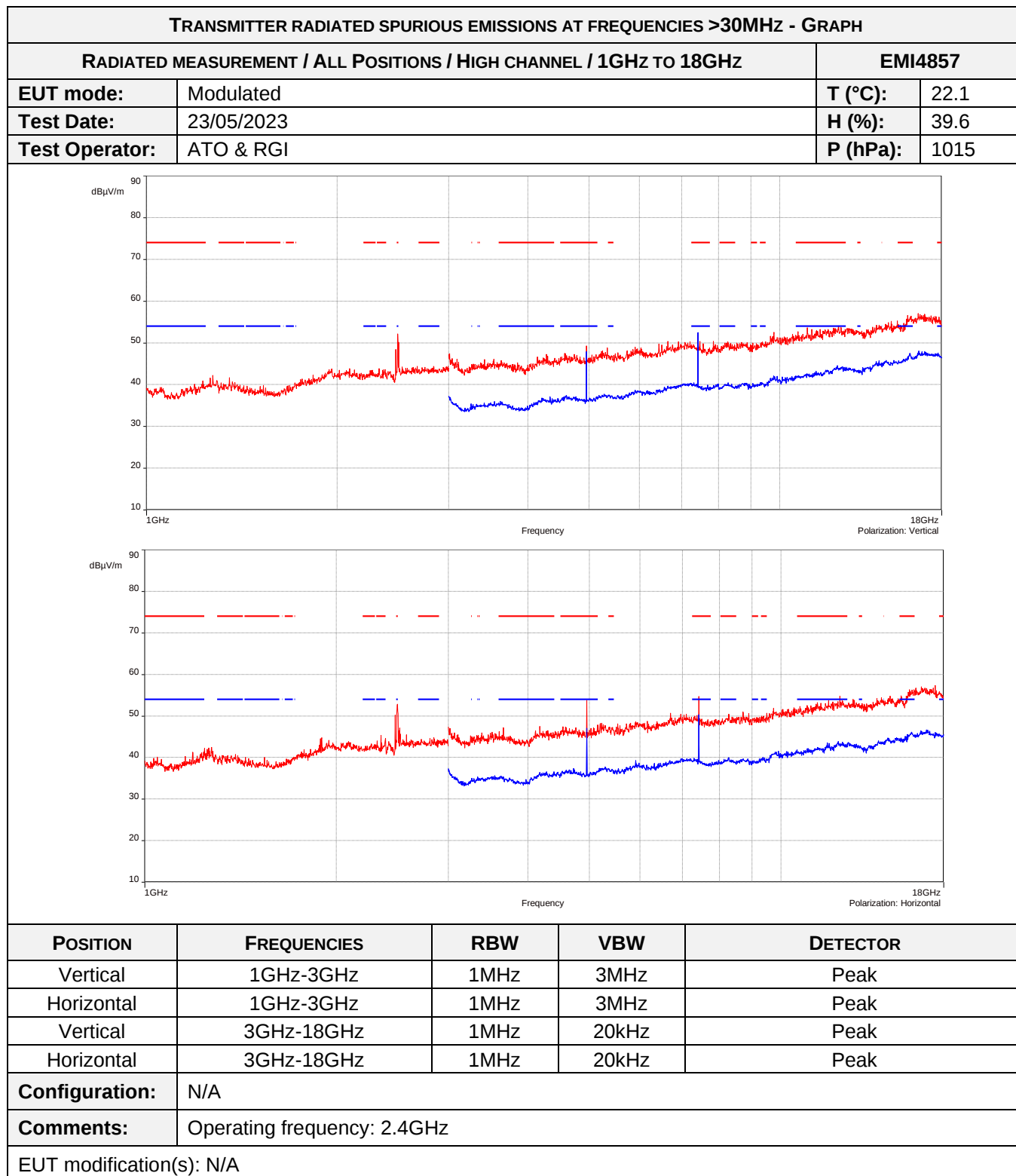
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH					
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY + CHARGING				EMI4740	
EUT mode:	Modulated			T (°C):	25.3
Test Date:	02/05/2023			H (%):	35.3
Test Operator:	RGI & ATO			P (hPa):	1003
Sub-range 1 Frequencies: 30 MHz - 1 GHz (Analyser mode) 30000 Points Settings: RBW: 100kHz, VBW: 300kHz, Auto, Attenuation: 10 dB, Sweep count 1, Preamp: On: 10 dB, LN Preamp: Off, Preselector: Off Polarization:Vertical Distance: 3 m  Radiated measurement / All Positions / Standby + Charging - 4740 Sub-range 2 Frequencies: 30 MHz - 1 GHz (Analyser mode) 30000 Points Settings: RBW: 100kHz, VBW: 300kHz, Auto, Attenuation: 10 dB, Sweep count 1, Preamp: On: 10 dB, LN Preamp: Off, Preselector: Off Polarization:Horizontal Distance: 3 m  Radiated measurement / All Positions / Standby + Charging - 4740					
POSITION	FREQUENCIES	RBW	VBW	DETECTOR	
Vertical	30MHz-1GHz	100kHz	300kHz	Peak	
Horizontal	30MHz-1GHz	100kHz	300kHz	Peak	
Configuration:	N/A				
Comments:	Frequencies from 2400MHz to 2483.5MHz are the operating frequencies. No spurious emissions were detected.				
EUT modification(s): N/A					

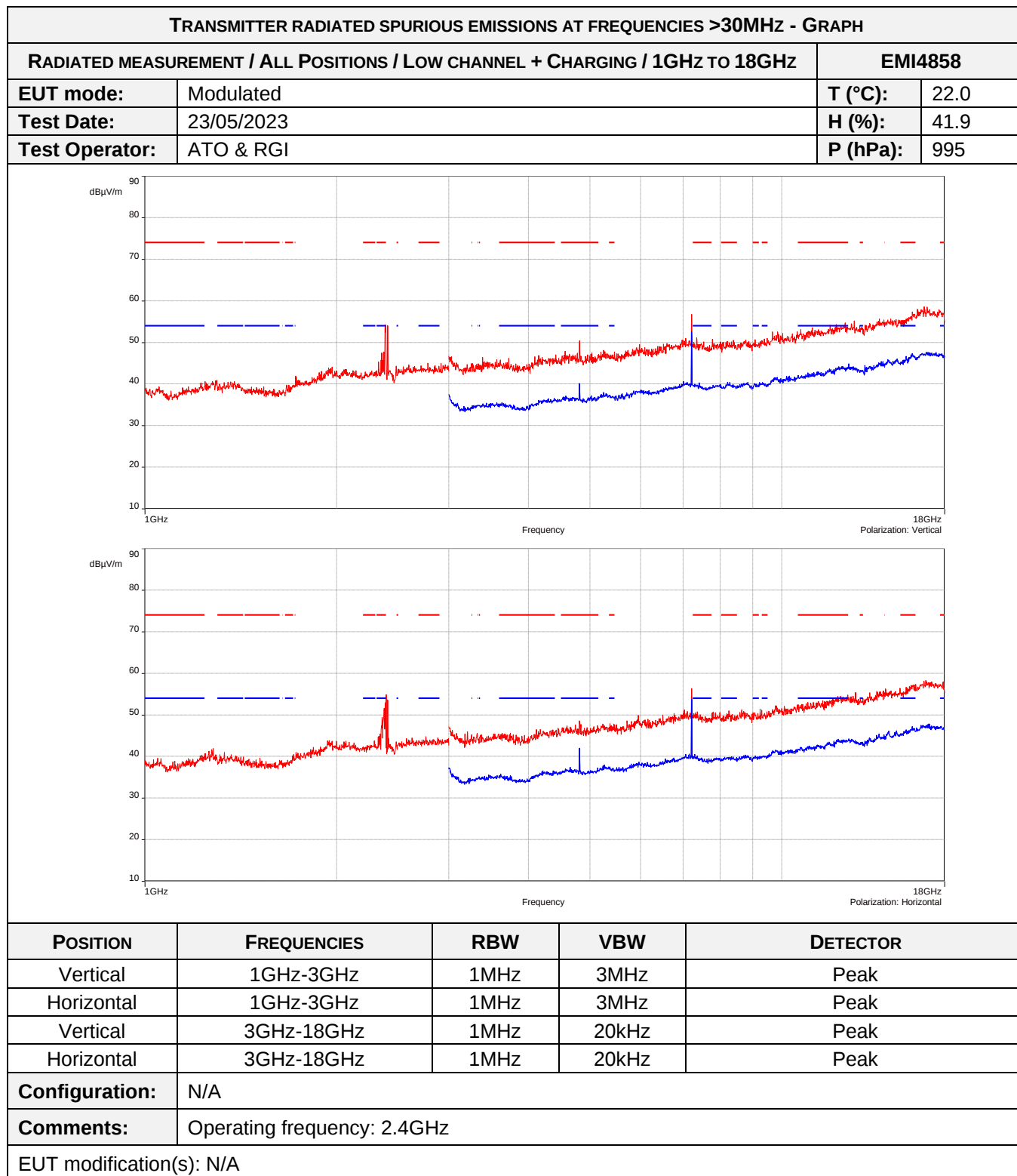
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH					
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY				EMI4741	
EUT mode:	Modulated			T (°C):	25.3
Test Date:	02/05/2023			H (%):	35.3
Test Operator:	RGI & ATO			P (hPa):	1003
Sub-range 1 Frequencies: 30 MHz - 1 GHz (Analyser mode) 30000 Points Settings: RBW: 100kHz, VBW: 300kHz, Auto, Attenuation: 10 dB, Sweep count 1, Preamp: On: 10 dB, LN Preamp: Off, Preselector: Off Polarization:Vertical Distance: 3 m  Radiated measurement / All Positions / Standby - 4741 Sub-range 2 Frequencies: 30 MHz - 1 GHz (Analyser mode) 30000 Points Settings: RBW: 100kHz, VBW: 300kHz, Auto, Attenuation: 10 dB, Sweep count 1, Preamp: On: 10 dB, LN Preamp: Off, Preselector: Off Polarization:Horizontal Distance: 3 m  Radiated measurement / All Positions / Standby - 4741					
POSITION	FREQUENCIES	RBW	VBW	DETECTOR	
Vertical	30MHz-1GHz	100kHz	300kHz	Peak	
Horizontal	30MHz-1GHz	100kHz	300kHz	Peak	
Configuration:	N/A				
Comments:	Frequencies from 2400MHz to 2483.5MHz are the operating frequencies. No spurious emissions were detected.				
EUT modification(s): N/A					

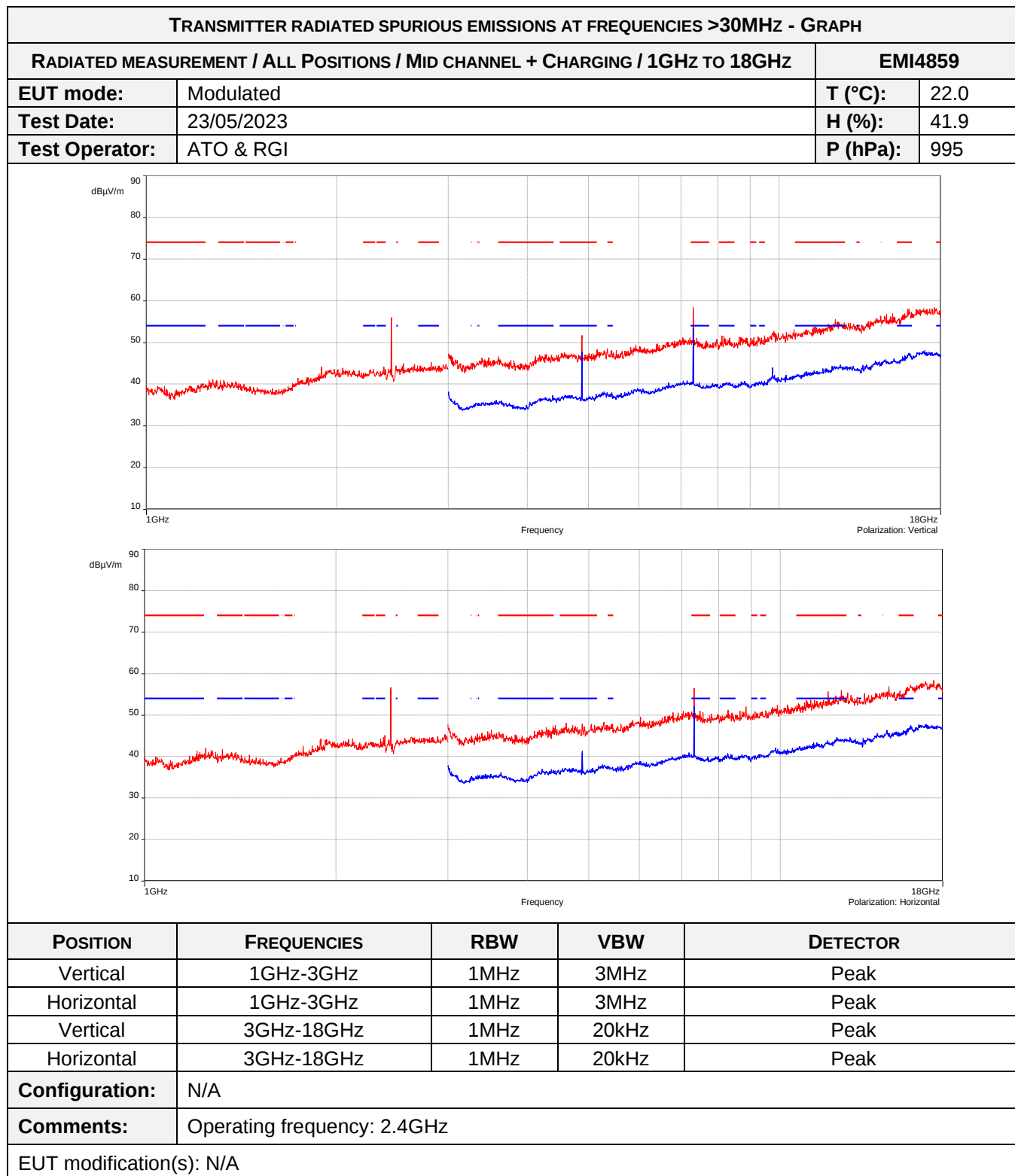


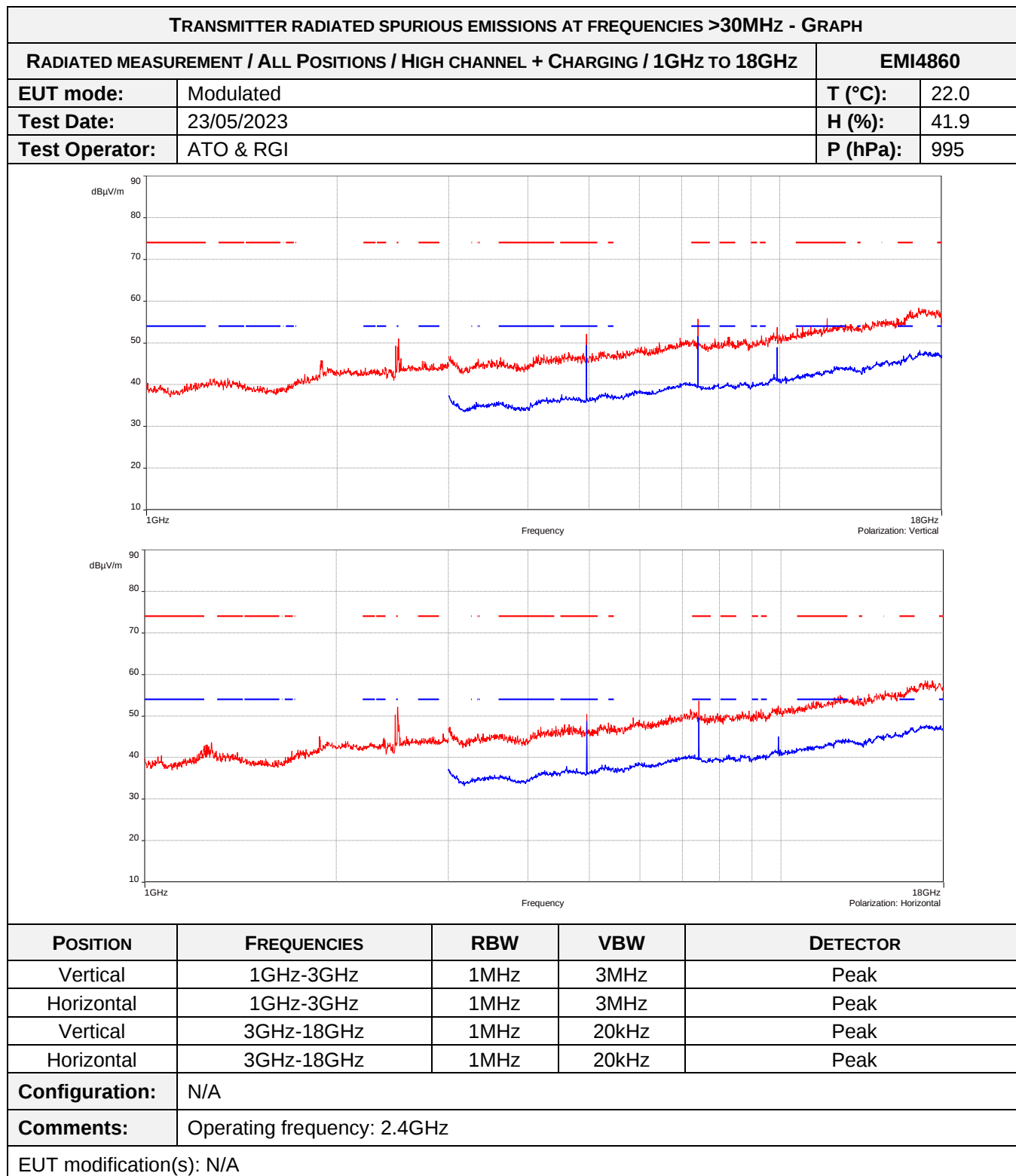


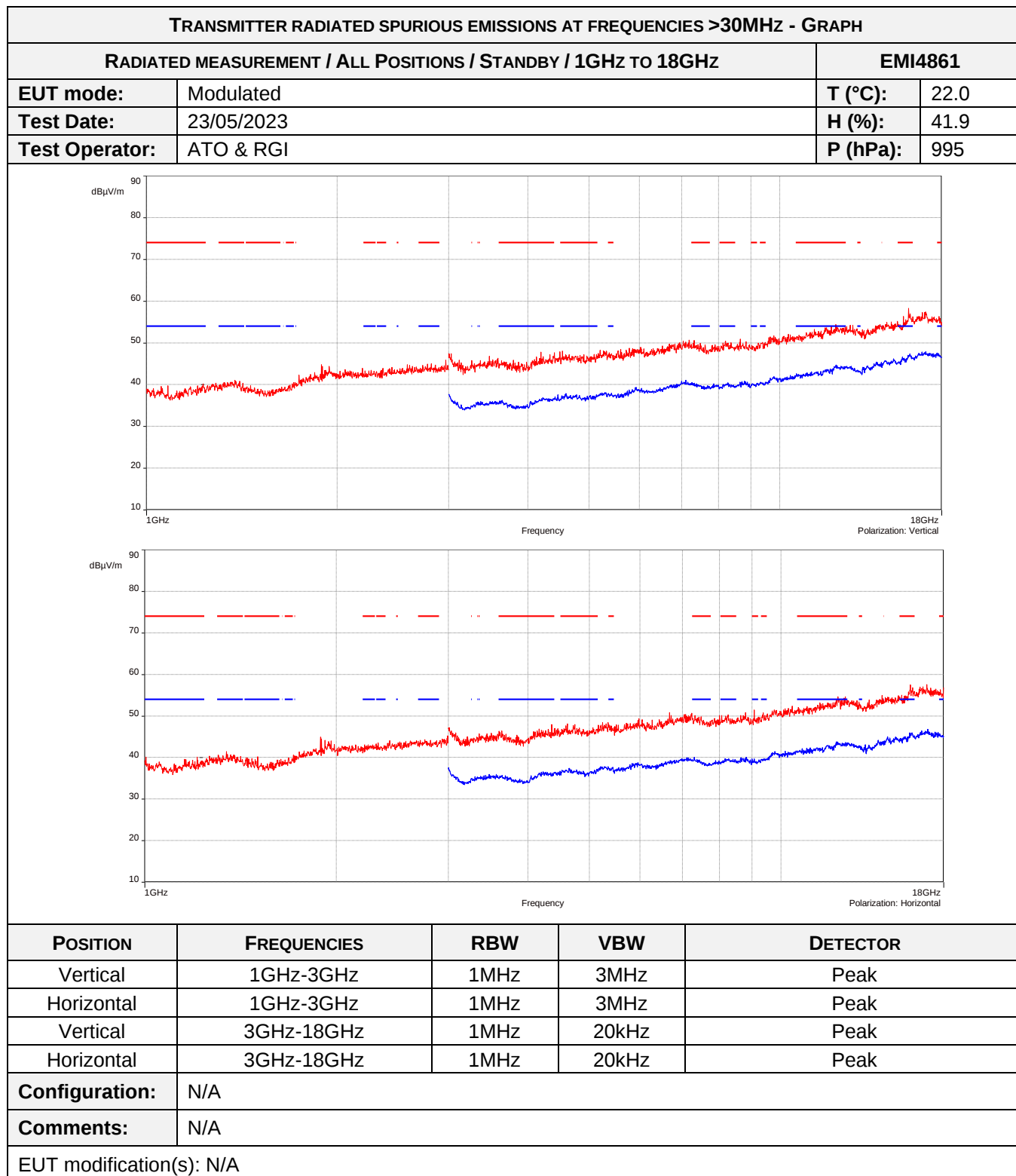


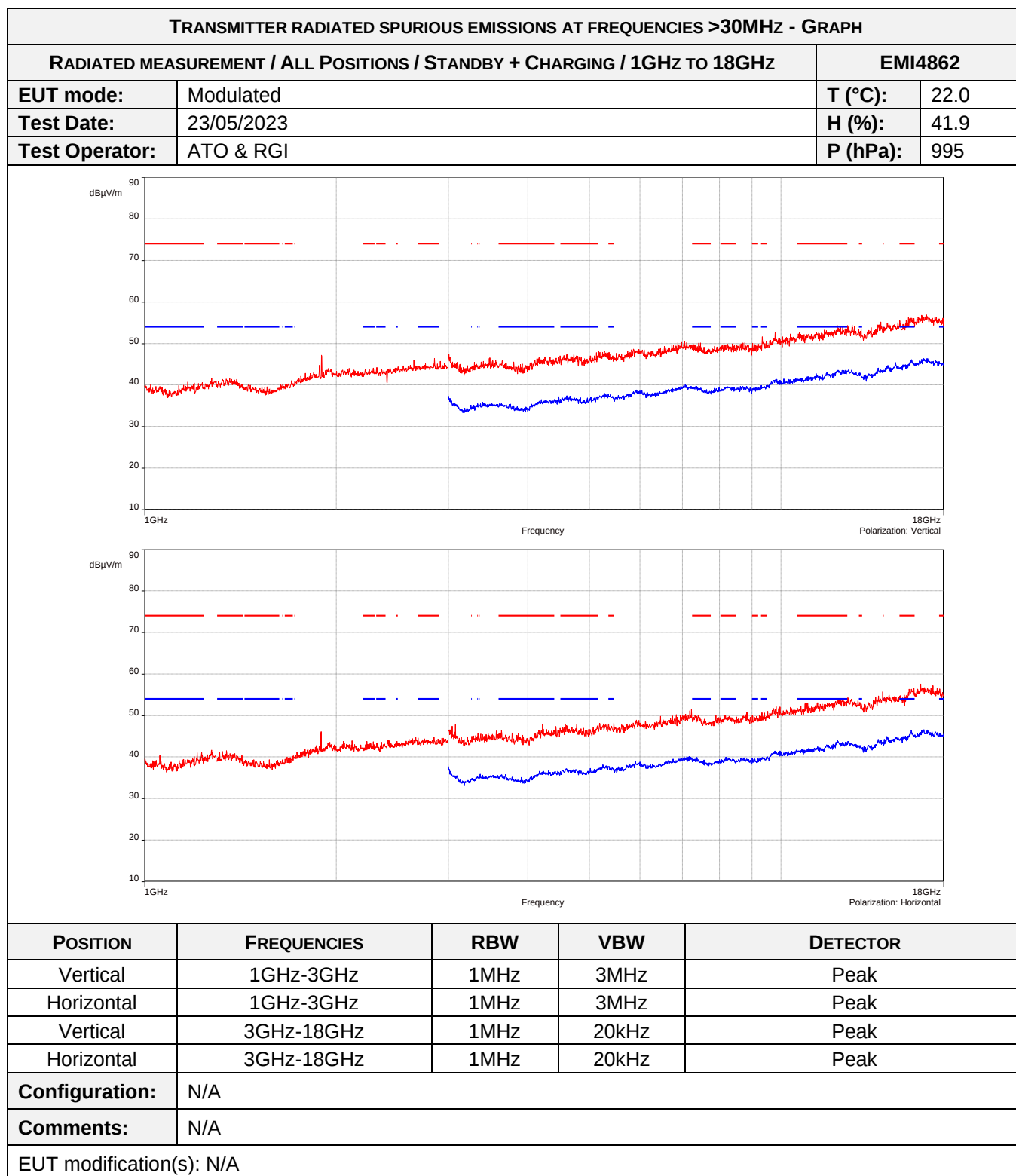






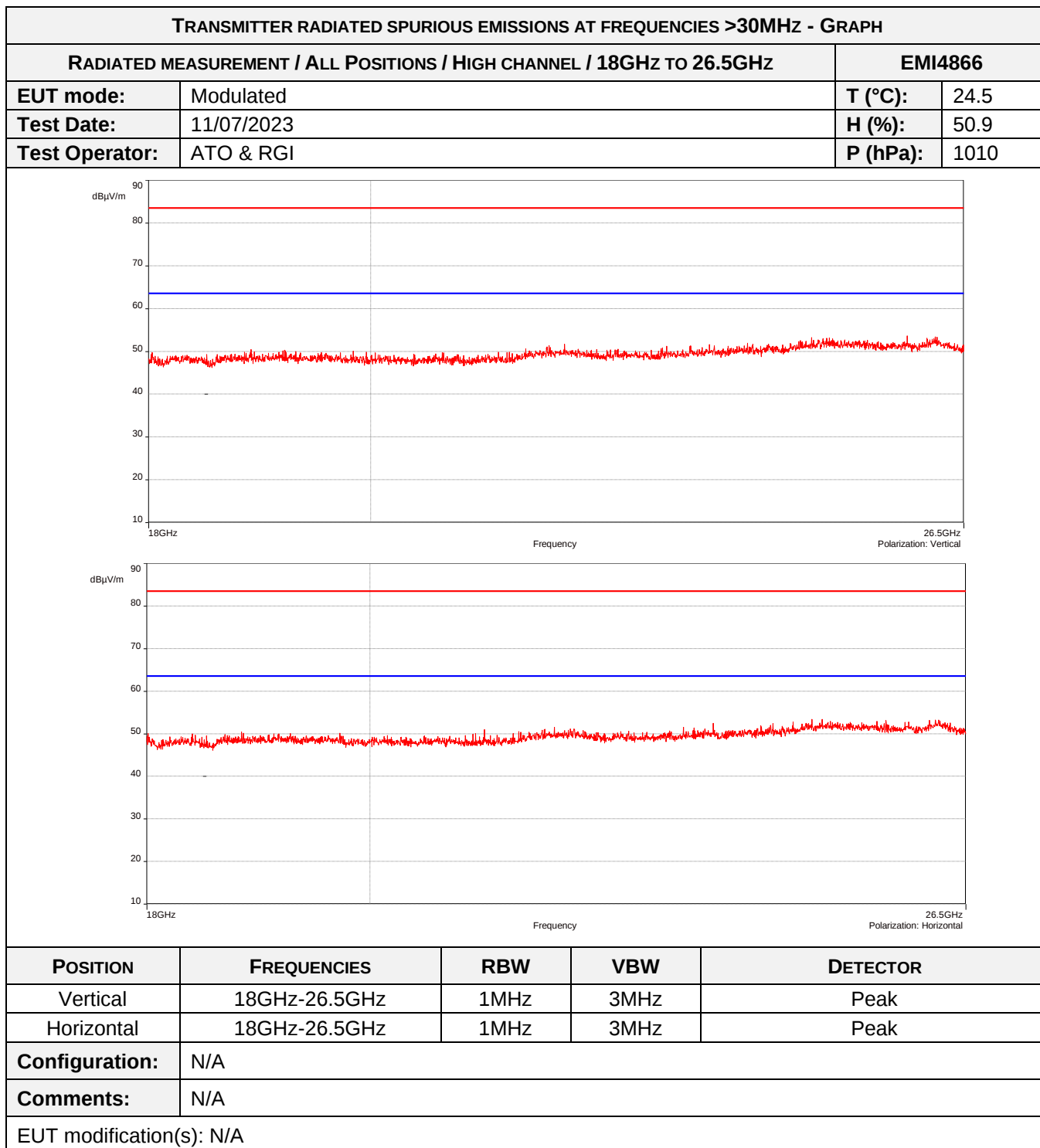






TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / Low CHANNEL / 18GHz TO 26.5GHz			EMI4864	
EUT mode:	Modulated		T (°C):	24.5
Test Date:	11/07/2023		H (%):	50.9
Test Operator:	ATO & RGI		P (hPa):	1010
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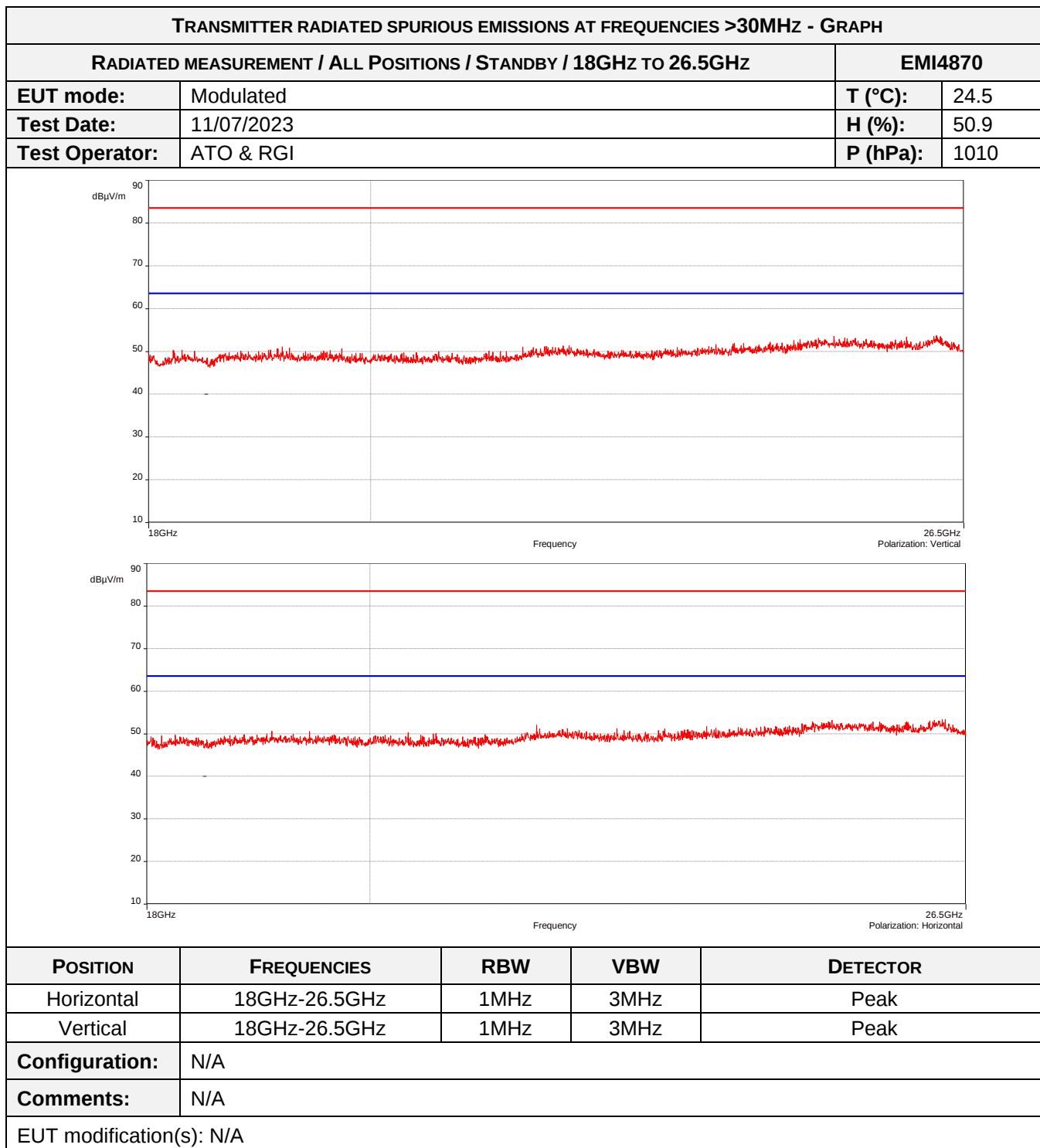
TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / MID CHANNEL / 18GHZ TO 26.5GHZ			EMI4865	
EUT mode:	Modulated		T (°C):	24.5
Test Date:	11/07/2023		H (%):	50.9
Test Operator:	ATO & RGI		P (hPa):	1010
</				



TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / LOW CHANNEL + CHARGING / 18GHZ TO 26.5GHZ			EMI4867	
EUT mode:	Modulated		T (°C):	24.5
Test Date:	11/07/2023		H (%):	50.9
Test Operator:	ATO & RGI		P (hPa):	1010
</				

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / MID CHANNEL + CHARGING / 18GHZ TO 26.5GHZ			EMI4868	
EUT mode:	Modulated		T (°C):	24.5
Test Date:	11/07/2023		H (%):	50.9
Test Operator:	ATO & RGI		P (hPa):	1010
<				

TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHZ - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / HIGH CHANNEL + CHARGING / 18GHZ TO 26.5GHZ			EMI4869	
EUT mode:	Modulated		T (°C):	24.5
Test Date:	11/07/2023		H (%):	50.9
Test Operator:	ATO & RGI		P (hPa):	1010



TRANSMITTER RADIATED SPURIOUS EMISSIONS AT FREQUENCIES >30MHz - GRAPH				
RADIATED MEASUREMENT / ALL POSITIONS / STANDBY + CHARGING / 18GHz TO 26.5GHz			EMI4871	
EUT mode:	Modulated		T (°C):	24.5
Test Date:	11/07/2023		H (%):	50.9
Test Operator:	ATO & RGI		P (hPa):	1010

7.9. Frequency error

Reference standard:	FCC part 15 Radio part 15.215 and RSS Gen
Test method:	FCC part 15 Radio part 15.215 and RSS Gen
Test description: Frequency error is the difference between the measured unmodulated carrier frequency under extreme conditions and the nominal Centre Frequency as stated by the manufacturer. This measurement procedure only applies if the EUT can generate an unmodulated carrier. EUT is set inside the climatic enclosure. It is connected to the measuring receiver via 50Ω attenuator(s). RBW=200Hz	

TEST CASE	EUT MODE	SEVERITY	RESULT TAB.	VERDICT
Low channel / 25°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7434	PASS
Low channel / 25°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7435	PASS
Low channel / 25°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7436	PASS
Mid channel / 25°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7437	PASS
Mid channel / 25°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7438	PASS
Mid channel / 25°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7439	PASS
High channel / 25°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7440	PASS
High channel / 25°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7441	PASS
High channel / 25°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7442	PASS
Low channel / -5°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7443	PASS
Low channel / -5°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7444	PASS
Low channel / -5°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7445	PASS
Mid channel / -5°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7446	PASS
Mid channel / -5°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7447	PASS
Mid channel / -5°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7448	PASS
High channel / -5°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7449	PASS
High channel / -5°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7450	PASS
High channel / -5°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7451	PASS
Low channel / 40°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7452	PASS
Low channel / 40°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7453	PASS
Low channel / 40°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7454	PASS
Mid channel / 40°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7455	PASS
Mid channel / 40°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7456	PASS
Mid channel / 40°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7457	PASS
High channel / 40°C/ 3.7Vdc	Continuous Tx	0.001 %	EMI7458	PASS
High channel / 40°C/ 4.2Vdc	Continuous Tx	0.001 %	EMI7459	PASS
High channel / 40°C/ 3.4Vdc	Continuous Tx	0.001 %	EMI7460	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	24.5 °C
Relative Humidity	20 to 75 %	35.9 %
Atmospheric pressure	N/A	1003 hPa
Test method deviation: N/A		
Supplementary information: EUT power supply is replaced by a stabilized power supply.		

TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	EMITECH	3.5 cm	4653		
Cable	N	3m	16418	07/10/2021	07/12/2023
Climatic enclosure	CLIMATS	EXCAL 7714-HA	14261	01/09/2022	01/11/2023
Multimeter	Keysight	34460A	12431	05/05/2021	05/07/2023
Power supply	TTI	TSX-1820P	4365		
Spectrum analyzer	Rohde & Schwarz	FPL1007	17908	02/11/2022	02/01/2024
Thermohygrometer	Testo	608-H1	7561	16/05/2022	16/07/2023
Thermohygrometer	Bioblock Scientific	Météostar	0963	07/06/2021	07/08/2023
Thermometer contactless	GHM Greisinger	GMH 3710	12968	28/02/2023	28/04/2025

Blank cells = Permanent validity

FREQUENCY ERROR - TABULATED RESULTS				
TEST CASE	FREQUENCY	FREQUENCY ERROR	LIMIT	RESULT TAB.
Low channel / 25°C/ 3.7Vdc	2.40597274 GHz	0 %	0.001 %	EMI7434
Low channel / 25°C/ 4.2Vdc	2.40597424 GHz	0.00006 %	0.001 %	EMI7435
Low channel / 25°C/ 3.4Vdc	2.40597334 GHz	0.00002 %	0.001 %	EMI7436
Mid channel / 25°C/ 3.7Vdc	2.43998986 GHz	0 %	0.001 %	EMI7437
Mid channel / 25°C/ 4.2Vdc	2.43998816 GHz	0.00007%	0.001 %	EMI7438
Mid channel / 25°C/ 3.4Vdc	2.43998796 GHz	0.00008%	0.001 %	EMI7439
High channel / 25°C/ 3.7Vdc	2.475987225 GHz	0 %	0.001 %	EMI7440
High channel / 25°C/ 4.2Vdc	2.47598764 GHz	0.00002%	0.001 %	EMI7441
High channel / 25°C/ 3.4Vdc	2.47598864 GHz	0.00006%	0.001 %	EMI7442
Low channel / -5°C/ 3.7Vdc	2.405983337 GHz	0.00044 %	0.001 %	EMI7443
Low channel / -5°C/ 4.2Vdc	2.40598345 GHz	0.00045 %	0.001 %	EMI7444
Low channel / -5°C/ 3.4Vdc	2.405983275 GHz	0.00044 %	0.001 %	EMI7445
Mid channel / -5°C/ 3.7Vdc	2.43998734 GHz	0.00010%	0.001 %	EMI7446
Mid channel / -5°C/ 4.2Vdc	2.43998605 GHz	0.00016%	0.001 %	EMI7447
Mid channel / -5°C/ 3.4Vdc	2.43998674 GHz	0.00013%	0.001 %	EMI7448
High channel / -5°C/ 3.7Vdc	2.47598764 GHz	0.00002%	0.001 %	EMI7449
High channel / -5°C/ 4.2Vdc	2.475987678 GHz	0.00002%	0.001 %	EMI7450
High channel / -5°C/ 3.4Vdc	2.47598705 GHz	0.00001%	0.001 %	EMI7451
Low channel / 40°C/ 3.7Vdc	2.40595995 GHz	0.00053 %	0.001 %	EMI7452
Low channel / 40°C/ 4.2Vdc	2.40595465 GHz	0.00075 %	0.001 %	EMI7453
Low channel / 40°C/ 3.4Vdc	2.405956502 GHz	0.00067 %	0.001 %	EMI7454
Mid channel / 40°C/ 3.7Vdc	2.43996585 GHz	0.00098%	0.001 %	EMI7455
Mid channel / 40°C/ 4.2Vdc	2.43996574 GHz	0.00099%	0.001 %	EMI7456
Mid channel / 40°C/ 3.4Vdc	2.4399664 GHz	0.00096%	0.001 %	EMI7457
High channel / 40°C/ 3.7Vdc	2.47597496 GHz	0.00050%	0.001 %	EMI7458
High channel / 40°C/ 4.2Vdc	2.47597512 GHz	0.00049%	0.001 %	EMI7459
High channel / 40°C/ 3.4Vdc	2.47597485 GHz	0.00050%	0.001 %	EMI7460

End of test report