



Test report issued under the responsibility of:
EMITECH MONTPELLIER laboratory
US-EU MRA Designation Number: FR0006 Registration Number: 954701

RADIO TEST REPORT

FCC 47 CFR PART 15: 2024

Company: **TELECOM DESIGN S.A.**
Address.....: 2 BIS RUE NULLY DE HARCOURT
33610 CANEJAN
FRANCE

Test item description.: **FALL DETECTOR**
Trade Mark.: TELECOM DESIGN
Manufacturer.....: TELECOM DESIGN S.A.
Model/Type reference.....: VB-WTC-10 / Vibby Oak S
FCC ID.....: 2AGMK-WTC10
Ratings.....: 3 VDC

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

Report Reference No.: **RR-EVE-25D053-4A**
Test procedure.: FCC Certification
Diffusion.....: Mr FARADI
Applicant's name.: TELECOM DESIGN S.A.
Date of issue.....: August 12, 2025
Total number of pages.....: 63
Revision.....: 0
Compiled by.....: Morgan PATEY
Approved by (+ signature).....: Olivier HEYER (Deputy 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.*

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REVISION HISTORY:

Revision	Date	Modified pages	Modifications
0	August 12, 2025	/	Creation

1. GENERAL INFORMATIONS

This document submits the results of Radio tests performed on the equipment **Connected necklace/bracelet Vibby Oak** (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 Certification Tested by : Morgan PATEY Test supervisor : None Date of receipt of test item : N/A Date (s) of performance of tests : From June 02 nd to 13 th of 2025					
APPLICANT'S GENERAL INFORMATIONS:					
Company name : TELECOM DESIGN S.A. Company address : 2 BIS RUE NULLY DE HARCOURT 33610 CANEJAN FRANCE Person(s) present during the tests : No representative for company attended the tests. Responsible : Mr FARADI					
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: 2024

Code of federal regulations – Title 47 telecommunication - Part 15- Radio frequency devices

FCC 47 CFR PART 15.247

Operation within the bands 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz

ANSI C63.10: 2020

American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

KDB 558074 D01 DTS v03r03

Guidance for Performing Compliance on Digital Transmission - Systems Operating under §15.247

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. : FALL DETECTOR
Model/Type reference..... : VB-WTC-10 / Vibby Oak S
Trade Mark. : TELECOM DESIGN
Serial number (S/N)..... : Not communicated
Part number (P/N). : Not communicated
Software version..... : *Not communicated*
Firmware version. : *SOFT5293 (used for the test)*
Type of sample. : Pre-serial
Function(s)..... : Transmit an alert to a call centre via a telecare device installed in the house
Manufacturer name. : TELECOM DESIGN S.A.
Address. : 2 BIS RUE NULLY DE HARCOURT
33610 CANEJAN
FRANCE

General product information:
N/A

3.2. E.U.T. Marking plate

No marking plate during tests

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

No modification

3.4. E.U.T. General view



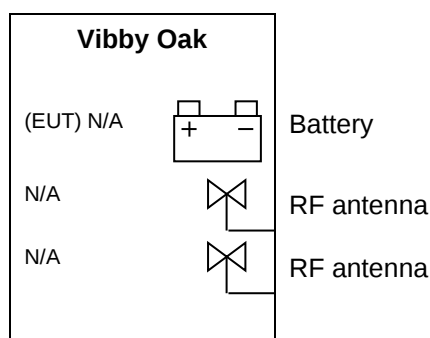
3.5.E.U.T. Mechanical and Electrical Design

Power supply. : 3 VDC
Power supply range..... : 3 VDC
Power type..... : Battery
Power (W)..... : Not communicated
Nominal current (A). : Not communicated
Dimensions (L x W x H) (m). : Not communicated
Weight (kg). : Not communicated
Temperature range (°C). : -20 to +55
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	N/A
1	Battery	DC	N/A	N/A	3 VDC
2	RF antenna	RF	N/A	N/A	2.4 GHz
3	RF antenna	RF	N/A	N/A	906 MHz

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
Phantom arm	SPEAG	SHO-GFPC-V1	Used in bracelet mode

PHANTOM ARM (AE)



3.8. EUT Radio Specifications

a) GENERAL INFORMATIONS	
According to manufacturer's declarations :	
EUT type.....	Transceiver
Technology	Bluetooth
Environmental profile.....	Data transmissions
Temperature range	-20°C to +55°C
Antenna type	Integrated
Antenna Gain.....	-4 dBi
Comments:	
N/A	
b) TRANSMITTER PARAMETERS (Tx)	
Frequency bands.....	2400 MHz to 2483.5 MHz
RF Power.....	Not communicated
Number of channels / Separation	40 channels / 2MHz
Modulation type	GFSK
Duty cycle	Not communicated
Tested frequency	2402 MHz
	2426 MHz
	2480 MHz
c) RECEIVER PARAMETERS (Rx)	
Frequency bands.....	2400 MHz to 2483.5 MHz
Category/Class	Not communicated
Bandwidth	Not communicated

4. RESULT SUMMARY

TEST DESIGNATION	SEVERITY	VERDICT	BASIC STANDARDS / COMMENTS
SUBPART A - GENERAL		PASS	
SUBPART B – UNINTENTIONAL RADIATORS		N/A	
SUBPART C –INTENTIONAL RADIATORS			
Equipment authorization requirement	CLASS B	PASS	15.201 / TRANSMITTER PART IS SUBJECT TO CERTIFICATION PROCEDURE
Antenna requirement		PASS	15.203 / DEDICATED ANTENNA
Restricted bands of operation		PASS	15.205
Conducted limits		N/A	15.207
Radiated emission limits; general requirements		PASS	15.209
Operation within the band 902-928MHz, 2400-2483.5MHz and 5725-5850MHz			15.247
- FREQUENCY HOPPING AND DIGITALLY MODULATED		-	A)
- FREQUENCY HOPPING SYSTEM			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 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 account of uncertainty associated with the results.

TEST(S) PERFORMED	MODIFICATION(S)
FCC part 15.247	N/A
FCC part 15.209, 15.205, 15.215	N/A
ANSI C63.10: 2013	N/A

5. 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)	$\pm 1.5\text{dB}$	$\pm 1.5\text{ dB}$
Power spectral density	$\pm 2.7\text{dB}$	$\pm 3\text{ dB}$
Occupied bandwidth		
RF power	$\pm 3.8\%$	$\pm 5\%$
RF power (EN 300328 / EN 301893)	$\pm 3.8\%$	$\pm 5\%$
Adjacent channel power	$\pm 1.6\text{ dB}$	$\pm 3\text{ dB}$
Sensitivity of receiver (conducted)	$\pm 2.0\text{ dB}$	$\pm 3\text{ dB}$
Blocking	$\pm 4.0\text{ dB}$	$\pm 4\text{ dB}$
Transient		
Amplitude	$\pm 8.5\%$	$\pm 20\%$
At the frequency	$\pm 166\text{ Hz}$	$\pm 250\text{ Hz}$
Conducted emission (spurious)		
$f \leq 1\text{ GHz}$	$\pm 0.8\text{ dB}$	$\pm 3\text{ dB}$
$1\text{ GHz} - 12.75\text{ GHz}$	$\pm 1.6\text{ dB}$	
Radiated power (ERP / EIRP / spurious)		
$f \leq 62.5\text{ MHz}$	$\pm 5.2\text{ dB}$	$\pm 6\text{ dB}$
$62.5\text{ MHz} - 1\text{ GHz}$	$\pm 5.4\text{ dB}$	$\pm 6\text{ dB}$
$1\text{ GHz} - 18\text{ GHz}(-)$	$\pm 5.2\text{ dB}$	$\pm 6\text{ dB}$
$18\text{ GHz} - 40\text{ GHz}$	$\pm 5.8\text{ dB}$	$\pm 6\text{ dB}$
$40\text{ GHz} - 110\text{ GHz}$	$\pm 5.5\text{ dB}$	Between ± 6 to 10 dB
$180-1000\text{ MHz} / 1 - 12.75\text{ GHz}$ (EN 301908-1)	$\pm 2.8 / 2.7\text{ dB}$	$\pm 3\text{ dB}$
RF power (EN 300328 / EN 301893)	$\pm 5.3\text{ dB}$	$\pm 6\text{ dB}$
EIRP and power spectral density with diode	$\pm 5.4\text{ dB}$	$\pm 6\text{ dB}$
Radiated emission (magnetic field)		
$9\text{kHz} - 30\text{MHz}$	$\pm 4.3\text{ dB}$	$\pm 6\text{ dB}$
RF level for a given BER	$\pm 0.8\text{ dB}$	$\pm 1.5\text{ dB}$
Supply voltages	$\pm 2.9\%$	$\pm 3\%$
Temperature	$\pm 0.95\text{ }^{\circ}\text{C}$	$\pm 1\text{ }^{\circ}\text{C}$
Humidity	$\pm 4.6\%$	$\pm 5\%$
Time / Duty cycle	$\pm 4.4\%$	$\pm 5\%$
Adaptivity	$\pm 3.2\text{ dB}$	/
Conducted emission (FCC)		
(Artificial Mains Network) $150\text{kHz} - 30\text{MHz}$	$\pm 3.7\text{ dB}$	/
Radiated emission (electric field for FCC standard)		
$9\text{kHz} - 30\text{MHz}$	$\pm 4.3\text{ dB}$	/
$30\text{MHz} - 1\text{GHz}$	$\pm 5.9\text{ dB}$	/
$1\text{GHz} - 18\text{GHz}$	$\pm 4.8\text{ dB}$	/
$18\text{GHz} - 40\text{GHz}$	$\pm 5.9\text{ dB}$	/
$40\text{GHz} - 140\text{GHz}$	$\pm 5.7\text{ dB}$	/

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

6. TEST CONDITIONS AND RESULTS

6.1. Radiated emission limits

Reference standard:	FCC 47 CFR PART 15.209
Test method:	ANSI C63.10: 2013
General test setup: For $f < 30$ MHz, EUT is set on an insulating support at 80 cm above the ground reference plane. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter in a semi-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. For $f > 30$ MHz, EUT is set on an insulating support at 80 cm above the ground reference plane (150 cm for $f > 1$ GHz). Preliminary (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 at various heights in horizontal and vertical polarities. Final measurements (quasi-peak or average) were then performed in a semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. The EUT was rotated 360° about its azimuth and adjusting the receive antenna height from 1 m to 4 m. All frequencies were investigated, where applicable. For portable equipments: - For frequencies < 1 GHz a research of maximum level is done on 3 axes - For frequencies > 1 GHz styrofoam wedges, precut to the 30°, 60°, and 90° angles, are used to support the EUT in the 6 different orientations. Only the highest levels are recorded.	

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Radiated measurement / 0°	9kHz-30MHz	15.209	EMI4522	PASS
Radiated measurement / 45°	9kHz-30MHz	15.209	EMI4581	PASS
Radiated measurement / 90°	9kHz-30MHz	15.209	EMI4582	PASS
Radiated measurement / Bracelet / BLE / All positions / 30 MHz to 1 GHz	30MHz-1GHz	15.205 & 15.209	EMI4580	PASS
Radiated measurement / Bracelet / BLE / Position 1 / 1 GHz to 18 GHz	1GHz-18GHz	15.205 & 15.209	EMI4591	PASS
Radiated measurement / Bracelet / BLE / Position 2 / 1 GHz to 18 GHz	1GHz-18GHz	15.205 & 15.209	EMI4596	PASS
Radiated measurement / Bracelet / BLE / Position 3 / 1 GHz to 18 GHz	1GHz-18GHz	15.205 & 15.209	EMI4597	PASS
Radiated measurement / Bracelet / BLE / Position 4 / 1 GHz to 18 GHz	1GHz-18GHz	15.205 & 15.209	EMI4598	PASS
Radiated measurement / Bracelet / BLE / Position 5 / 1 GHz to 18 GHz	1GHz-18GHz	15.205 & 15.209	EMI4600	PASS
Radiated measurement / Bracelet / BLE / Position 6 / 1 GHz to 18 GHz	1GHz-18GHz	15.205 & 15.209	EMI4599	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: Measurements were performed in the 18 GHz to 25 GHz range, and no significant emissions were observed above the noise floor.		

TEST EQUIPMENT USED – 9 KHZ TO 30 MHZ					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Rohde & Schwarz	HFH2-Z2	5825	25/04/2025	25/06/2027
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
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

TEST EQUIPMENT USED – 30 MHZ TO 18 GHZ					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Electro Metrics	BIA-30HF	1107	10/04/2025	10/06/2028
Antenna	Rohde & Schwarz	HL223	1137	10/04/2025	10/06/2028
Antenna	AARONIA	Powerlog 70180	15306	04/01/2023	04/03/2026
Cable	SUCOFLEX	N-3m	14378	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-6,5m	14380	17/08/2023	17/10/2025
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	Techniwave	N-8m	18349	17/08/2023	17/10/2025
Filter	Micro-Tronics	HPM18865	12843	03/12/2024	03/02/2028
Filter	Micro-Tronics	HPM15162	16973	26/06/2023	26/08/2026
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	SAC 3m	14494	08/08/2023	08/10/2026
Shielded enclosure	COMTEST	C.V4	18014	05/11/2024	05/01/2028
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

TEST SETUP PHOTO(S)



TEST SETUP PHOTO(S) – 9 KHZ TO 30 MHZ



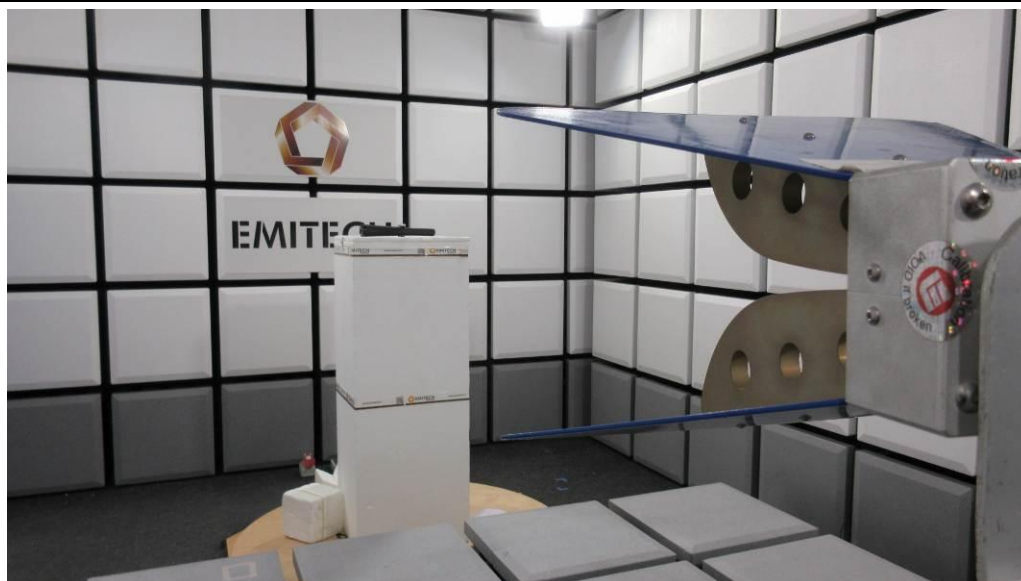
TEST SETUP PHOTO(S) – 30 MHz TO 200 MHz



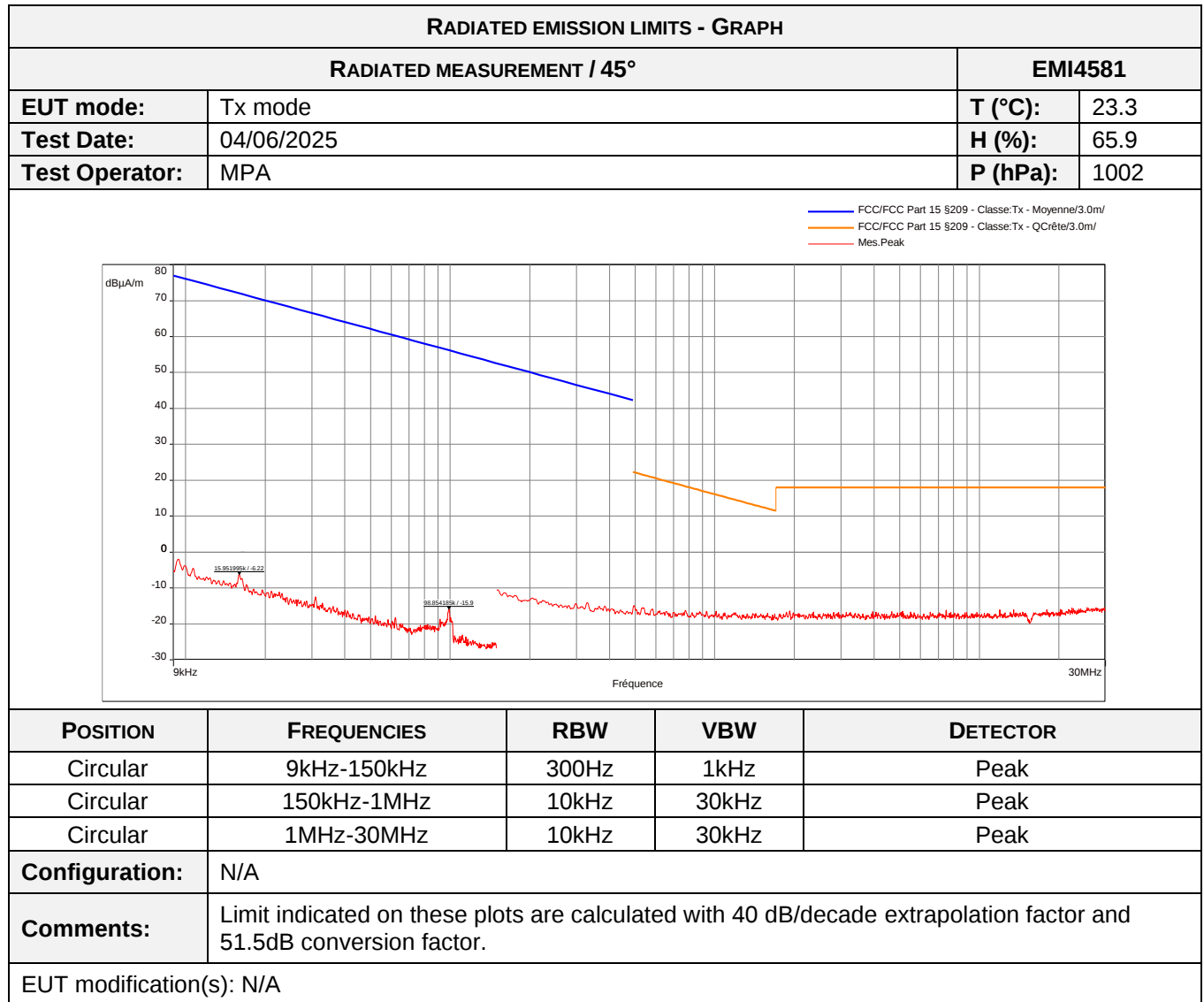
TEST SETUP PHOTO(S) – 200 MHz TO 1 GHz



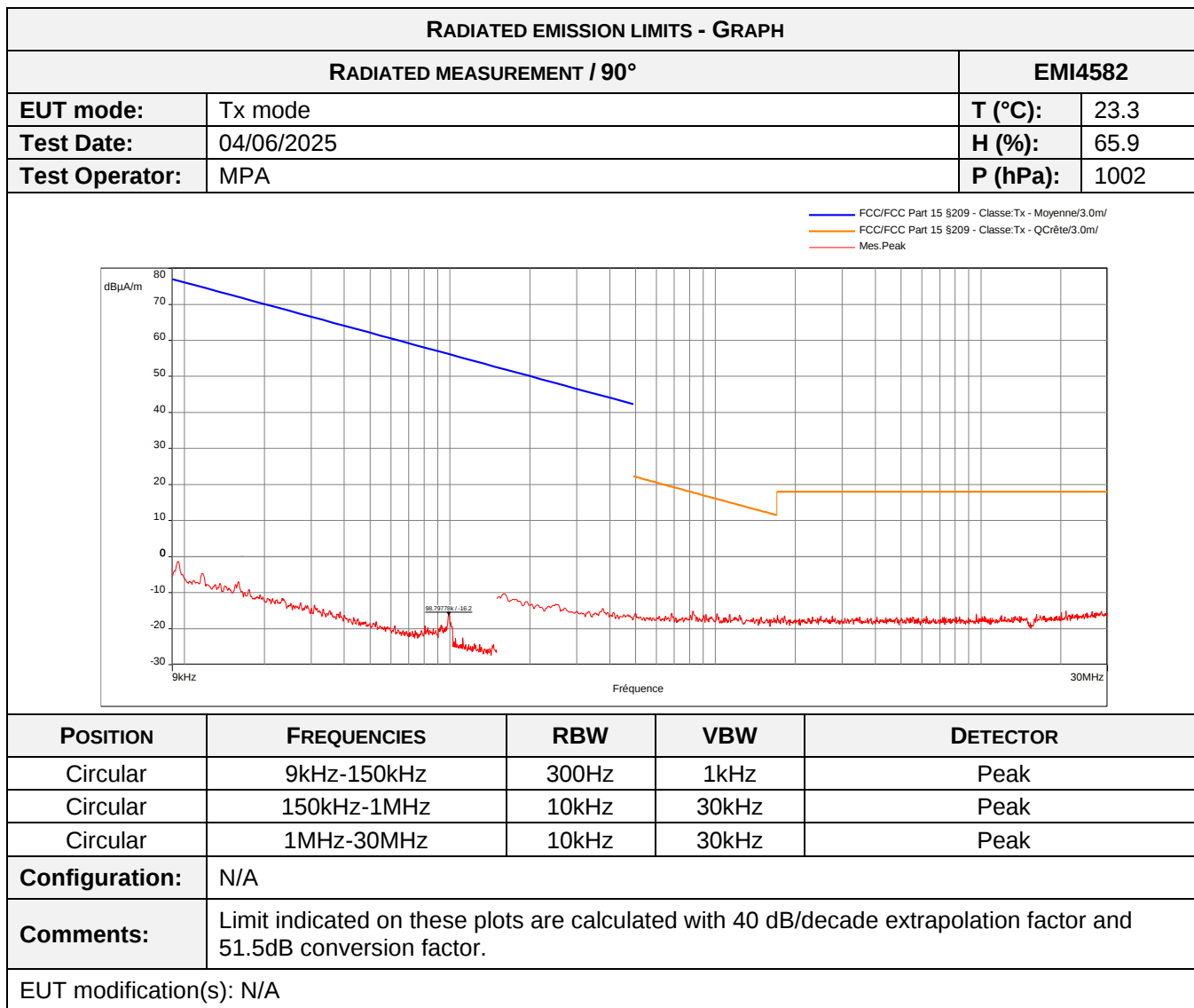
TEST SETUP PHOTO(S) – 1 GHz TO 18 GHz



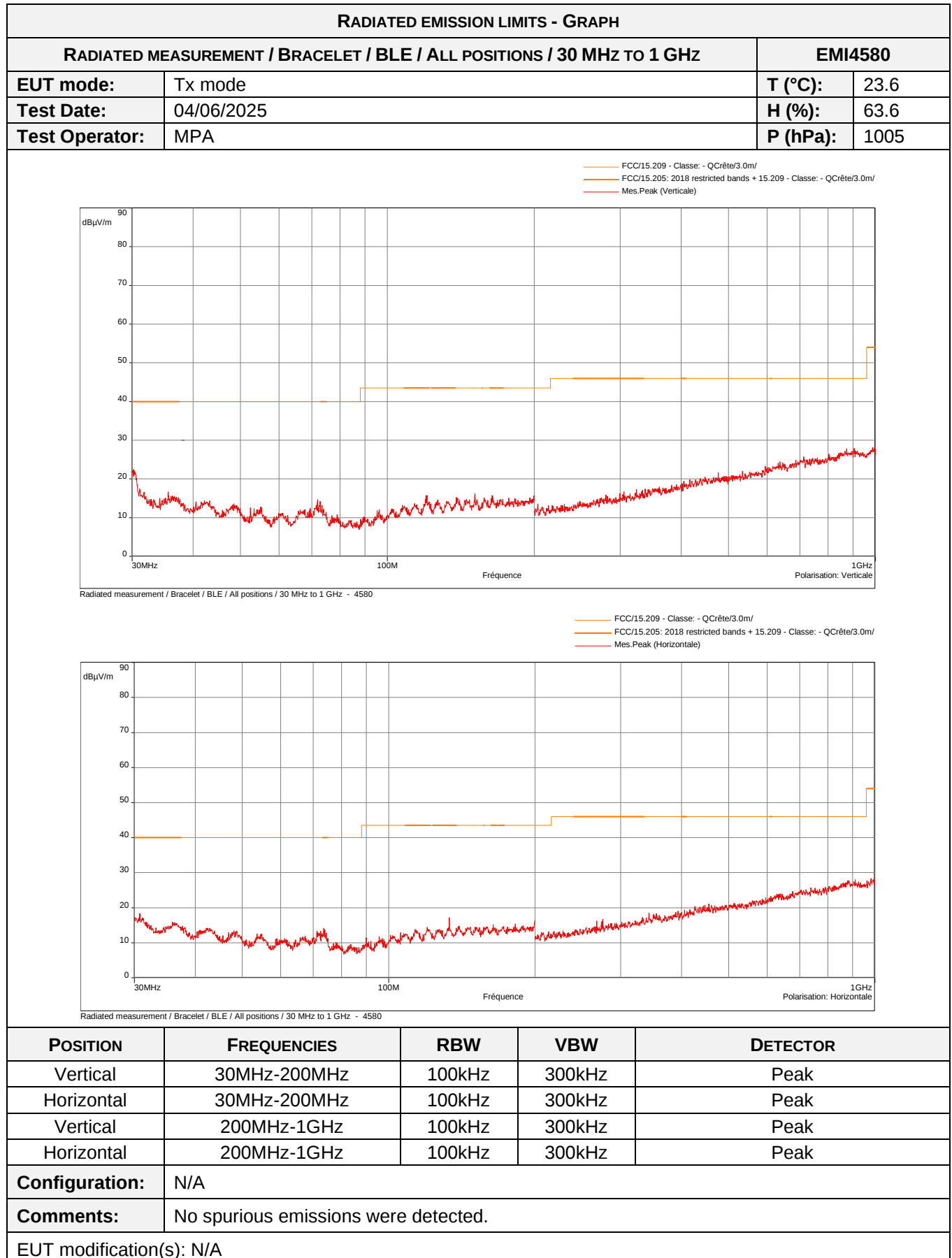
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / 0°						EMI4522	
FREQUENCY (MHz)	PEAK LEVEL (dBµV/m)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	QPEAK MARGIN (dB)	AVERAGE LEVEL (dBµV/m)	AVERAGE LIMIT (dBµV/m)	AVERAGE MARGIN (dB)
0.099	-15.54	N/A	N/A	N/A	N/P	56.14	-71.69
Comments:	No more spurious emissions detected.						



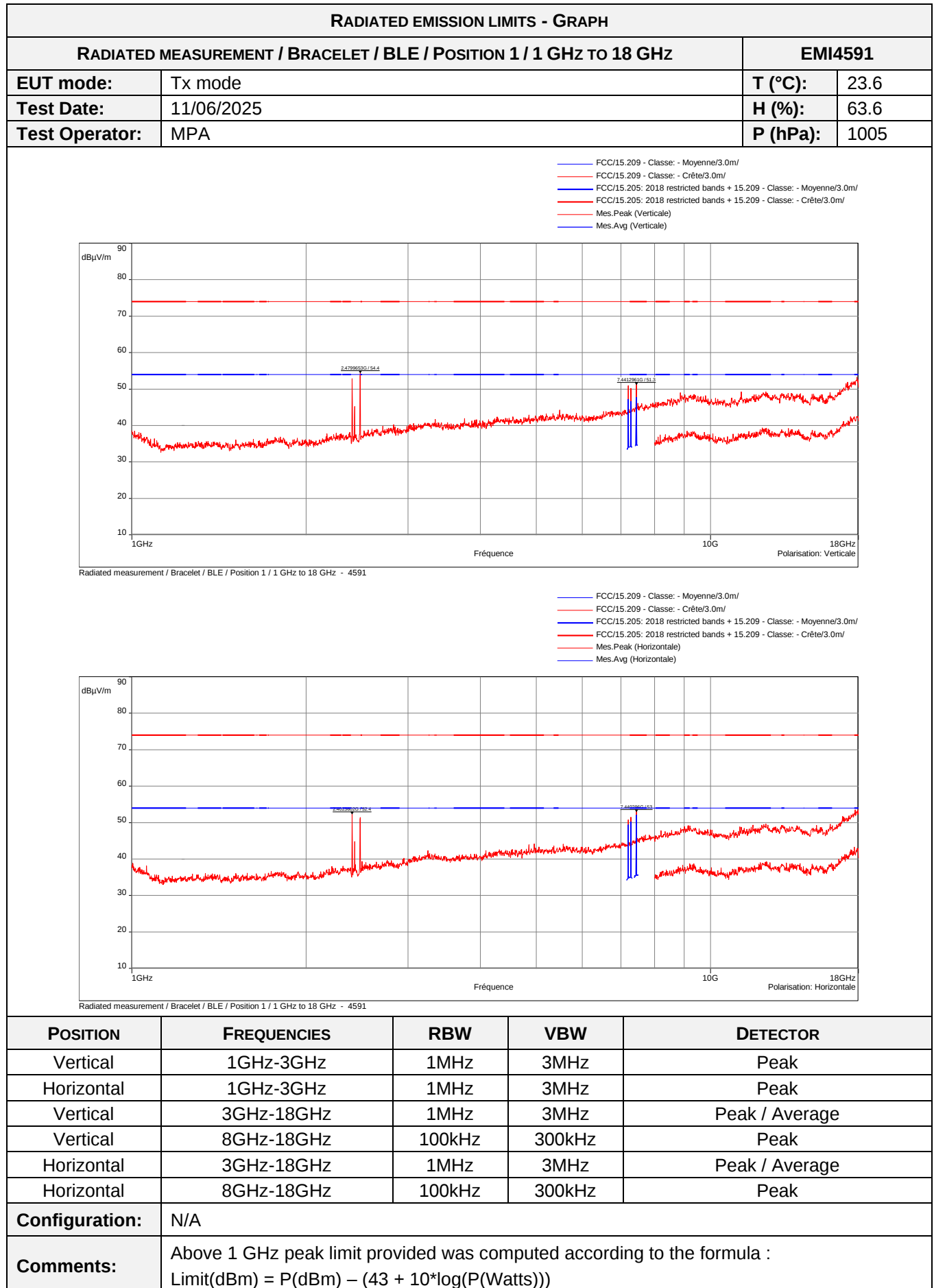
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / 45°						EMI4581	
FREQUENCY (MHz)	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
0.015	-6.22	N/A	N/A	N/A	N/P	72.06	-78.27
0.098	-15.89	N/A	N/A	N/A	N/P	56.18	-72.07
Comments:		No more spurious emissions detected.					



RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / 90°						EMI4582	
FREQUENCY (MHz)	PEAK LEVEL (dBµV/m)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	QPEAK MARGIN (dB)	AVERAGE LEVEL (dBµV/m)	AVERAGE LIMIT (dBµV/m)	AVERAGE MARGIN (dB)
0.098	-16.21	N/A	N/A	N/A	N/P	56.22	-72.43
Comments:		No more spurious emissions detected.					

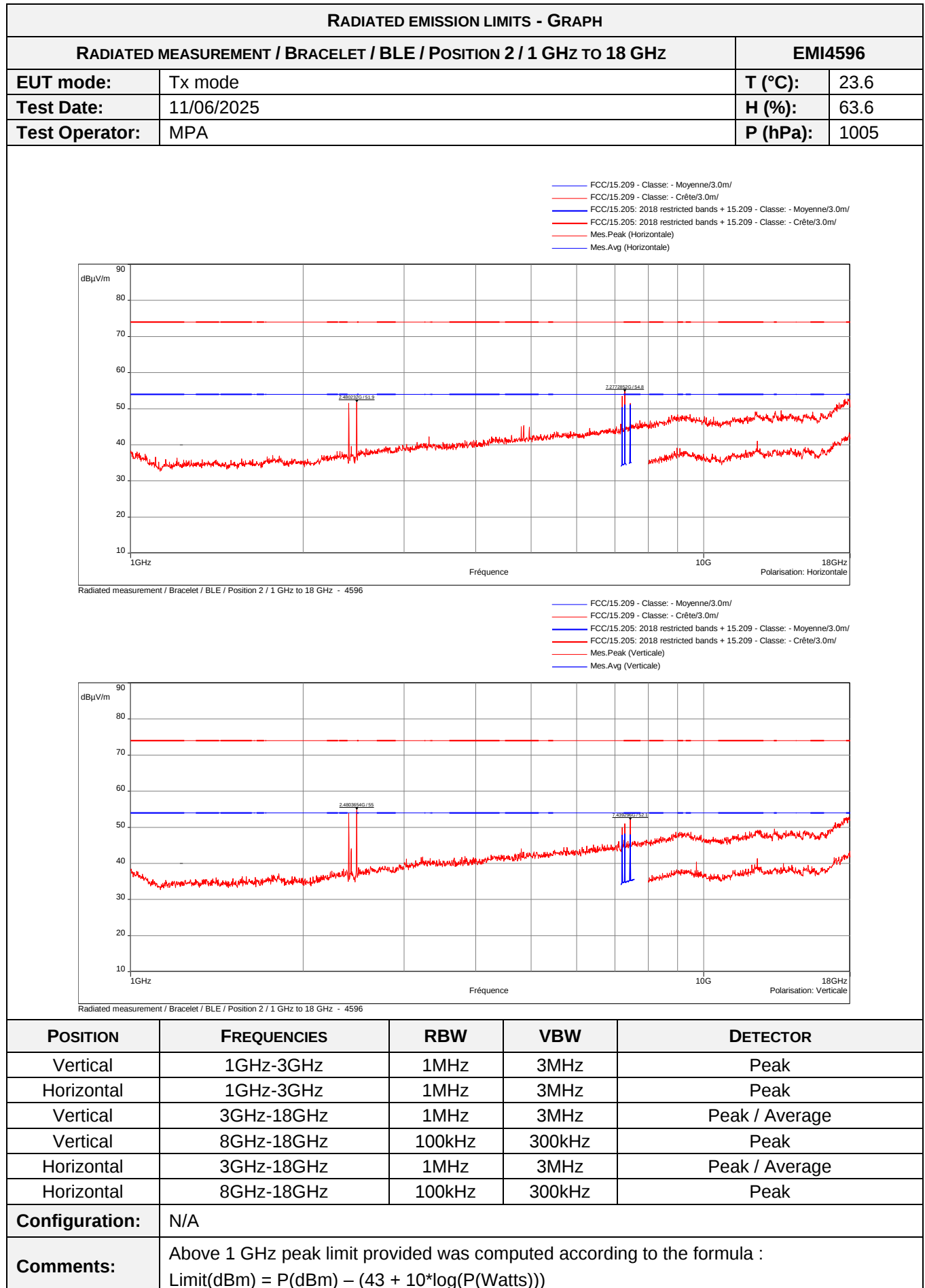


RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / BRACELET / BLE / ALL POSITIONS / 30 MHz TO 1 GHz					EMI4580
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dB μ V/m)	QPEAK LEVEL (dB μ V/m)	QPEAK LIMIT (dB μ V/m)	QPEAK MARGIN (dB)
N/A	N/A	N/A	N/A	N/A	N/A
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed. No spurious were detected.				



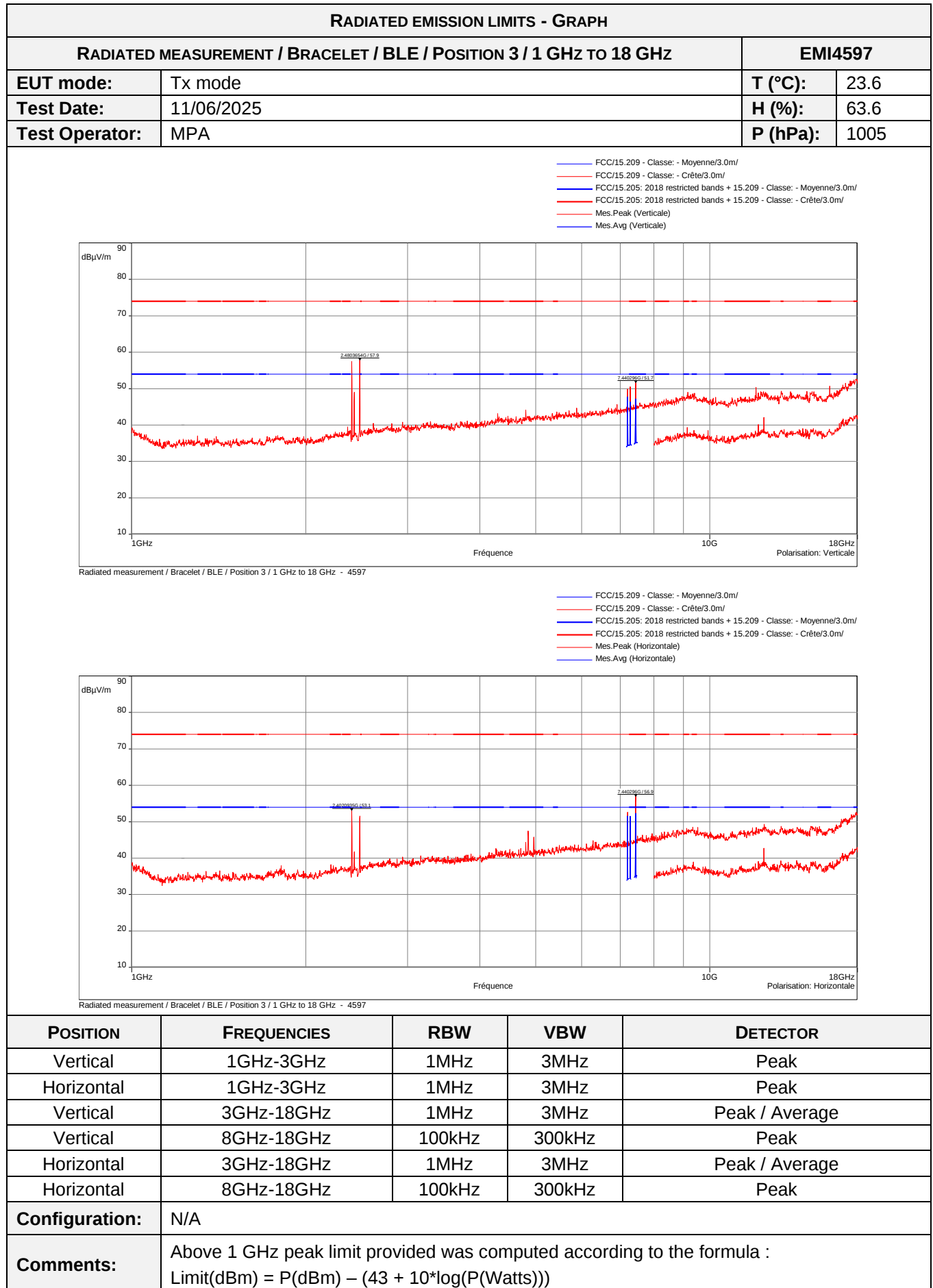
RADIATED EMISSION LIMITS - GRAPH	
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 1 / 1 GHz TO 18 GHz	EMI4591
	with P equal to the minimum permissive License Digital System rf output power (1 Watt). The limit is then converted to dBμV/m using the formula: $EdB_{\mu V/m} = EIRP(dBm) - 20 \cdot \log(D) + 104.8$ where D is the measurement distance in meters (3m). The 2402 MHz, the 2426 MHz, and the 2480 MHz are the main signals carrier frequencies. A reduced RBW of 100 kHz was used for part of the measurement in order to enhance dynamic range, instead of the standard 1 MHz RBW.
EUT modification(s): N/A	

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 1 / 1 GHz TO 18 GHz						EMI4591	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
7206.28	Vertical	50.90	74	-23.10	47.23	54	-6.77
7279.28	Vertical	50.22	74	-23.78	46.69	54	-7.31
7441.29	Vertical	51.29	74	-22.71	47.76	54	-6.24
7205.28	Horizontal	50.74	74	-23.26	49.39	54	-4.61
7278.28	Horizontal	51.47	74	-22.53	50.17	54	-3.83
7440.29	Horizontal	53.03	74	-20.97	52.09	54	-1.91
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emissions detected.						



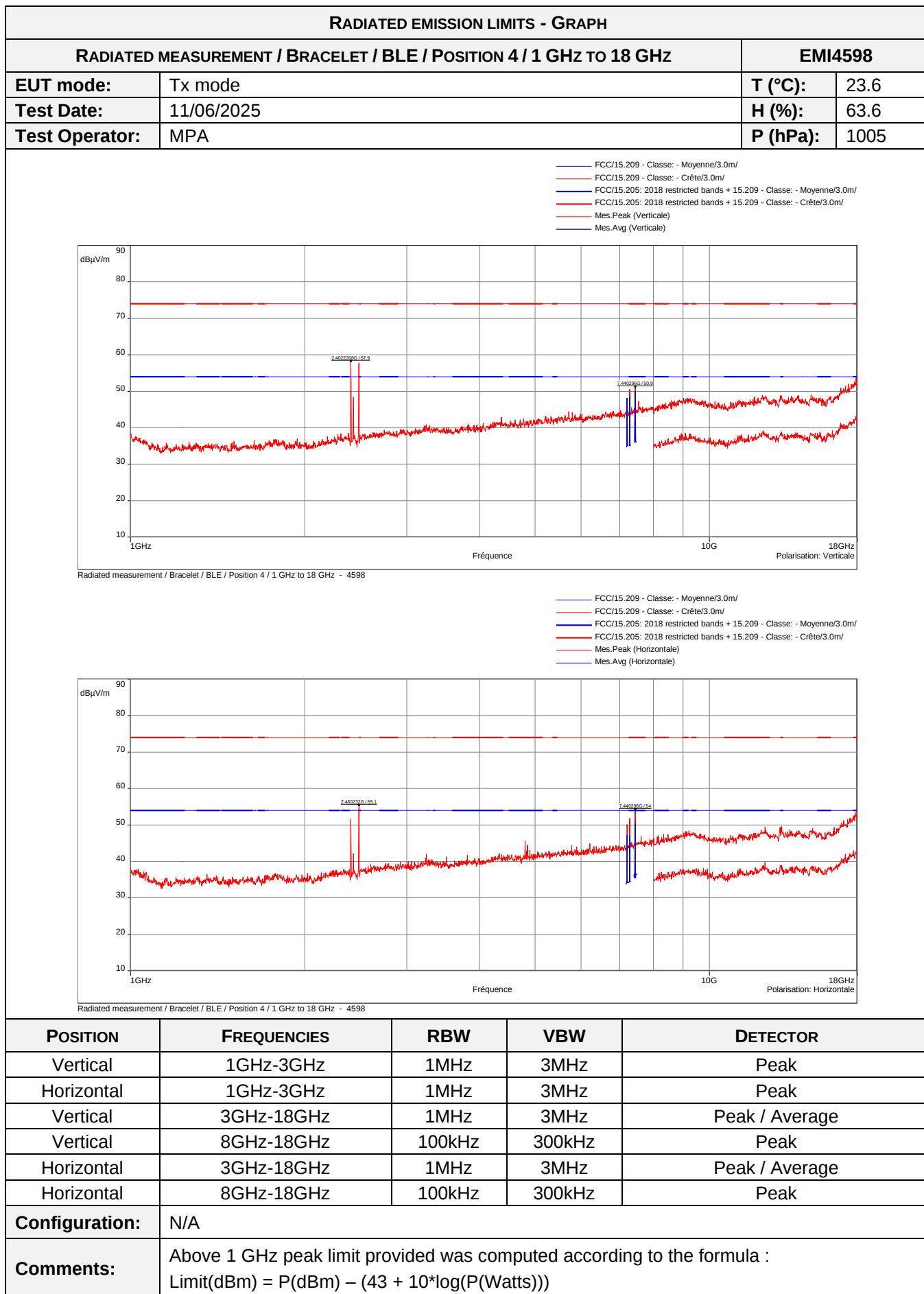
RADIATED EMISSION LIMITS - GRAPH	
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 2 / 1 GHz TO 18 GHz	EMI4596
	with P equal to the minimum permissive License Digital System rf output power (1 Watt). The limit is then converted to dBμV/m using the formula: $EdB_{\mu V/m} = EIRP(dBm) - 20 \cdot \log(D) + 104.8$ where D is the measurement distance in meters (3m). The 2402 MHz, the 2426 MHz, and the 2480 MHz are the main signals carrier frequencies. A reduced RBW of 100 kHz was used for part of the measurement in order to enhance dynamic range, instead of the standard 1 MHz RBW.
EUT modification(s): N/A	

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 2 / 1 GHz TO 18 GHz						EMI4596	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
7206.28	Vertical	50.01	74	-23.99	47.85	54	-6.15
7279.28	Vertical	50.61	74	-23.39	48.20	54	-5.80
7441.29	Vertical	52.11	74	-21.89	47.92	54	-6.08
7205.28	Horizontal	53.52	74	-20.48	50.37	54	-3.63
7278.28	Horizontal	54.81	74	-19.19	51.13	54	-2.87
7440.29	Horizontal	51.45	74	-22.55	51.12	54	-2.88
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emissions detected.						



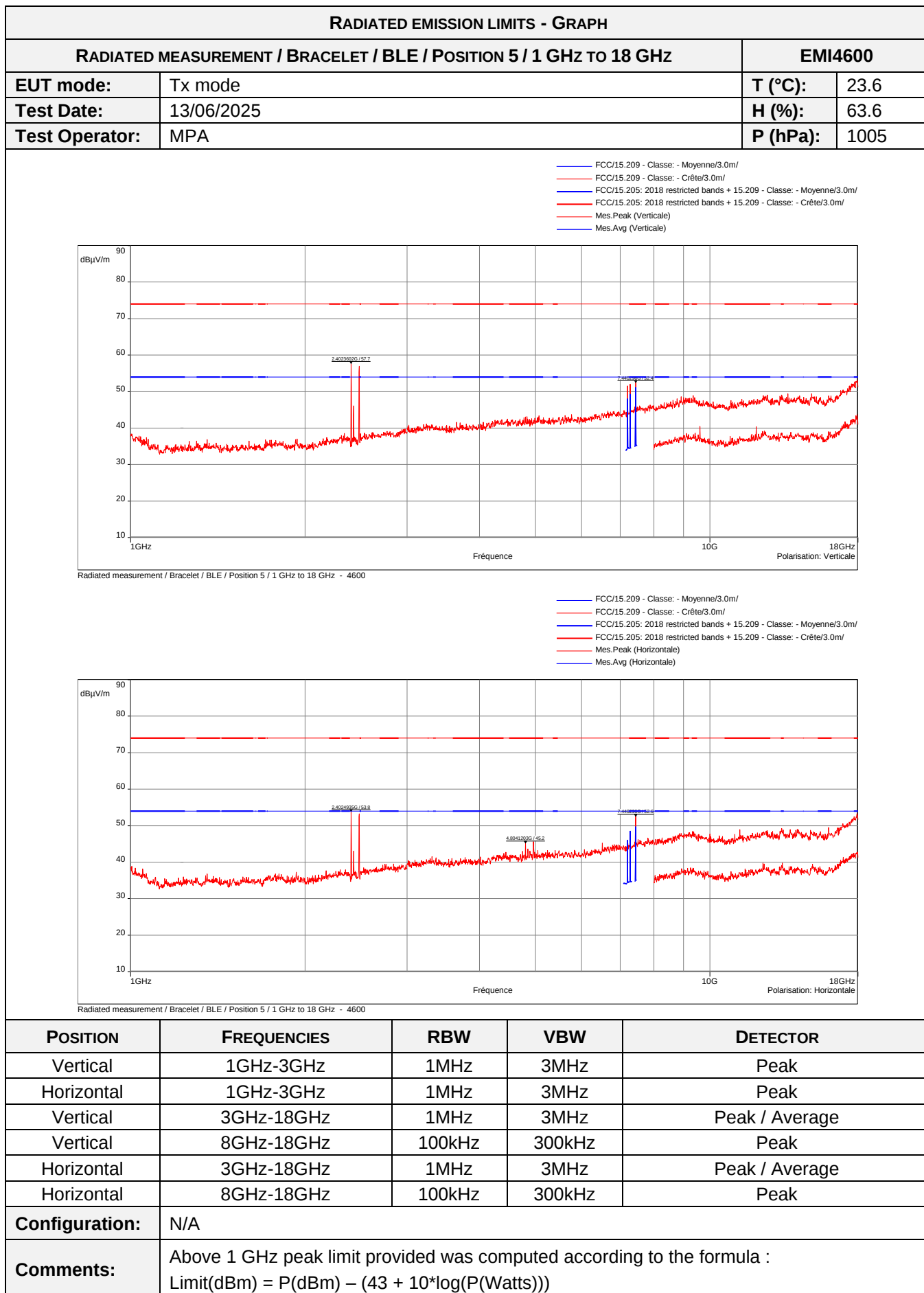
RADIATED EMISSION LIMITS - GRAPH	
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 3 / 1 GHz TO 18 GHz	EMI4597
	with P equal to the minimum permissive License Digital System rf output power (1 Watt). The limit is then converted to dBμV/m using the formula: $EdB_{\mu V/m} = EIRP(dBm) - 20 \cdot \log(D) + 104.8$ where D is the measurement distance in meters (3m). The 2402 MHz, the 2426 MHz, and the 2480 MHz are the main signals carrier frequencies. A reduced RBW of 100 kHz was used for part of the measurement in order to enhance dynamic range, instead of the standard 1 MHz RBW.
EUT modification(s): N/A	

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 3 / 1 GHz TO 18 GHz						EMI4597	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
7206.28	Vertical	49.92	74	-24.08	47.78	54	-6.22
7279.28	Vertical	50.49	74	-23.51	46.32	54	-7.68
7441.29	Vertical	51.69	74	-22.31	47.25	54	-6.75
7205.28	Horizontal	52.60	74	-21.40	51.55	54	-2.45
7278.28	Horizontal	51.26	74	-22.74	51.39	54	-2.61
7440.29	Horizontal	56.98	74	-17.02	52.33	54	-1.67
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emissions detected.						



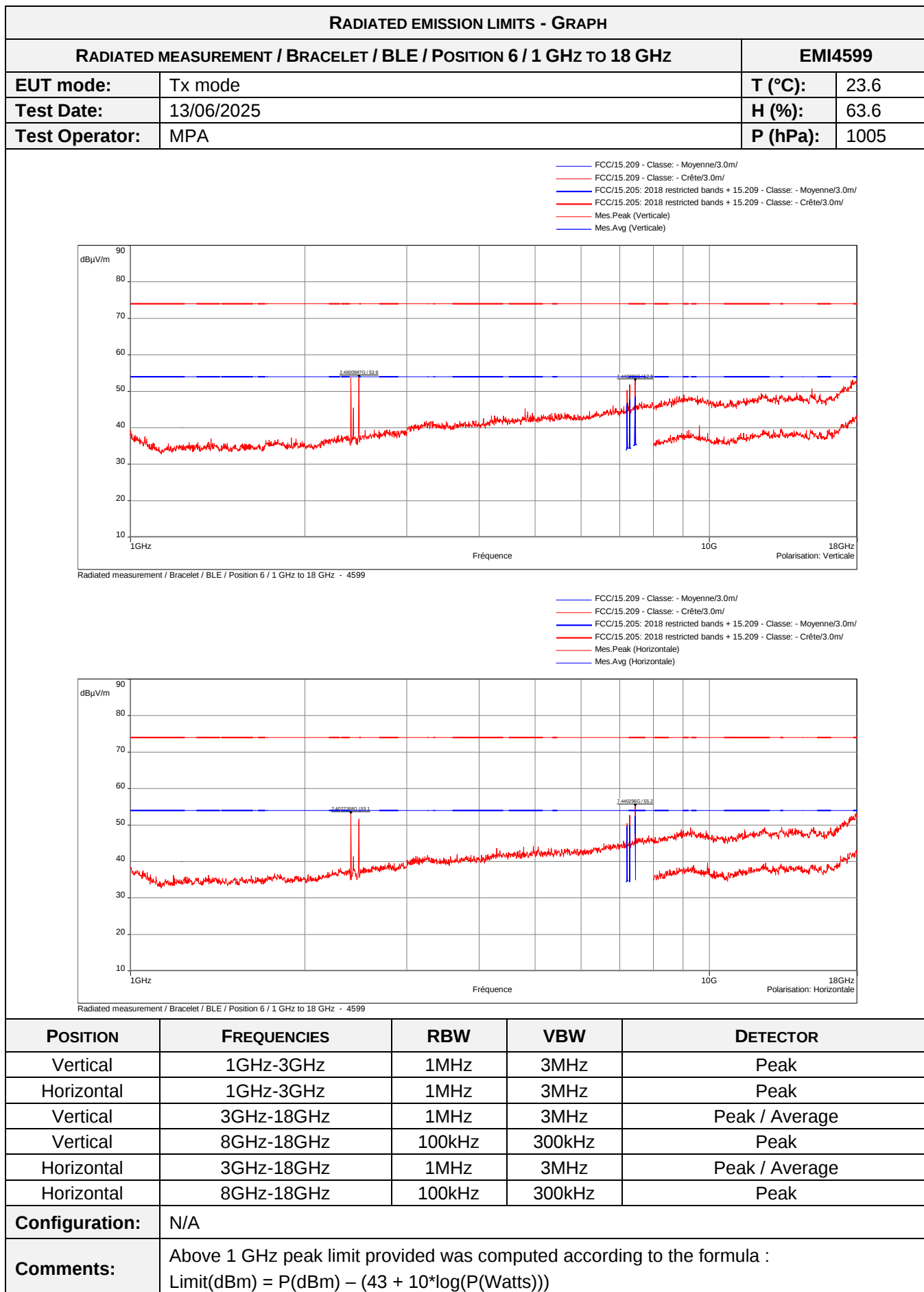
RADIATED EMISSION LIMITS - GRAPH	
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 4 / 1 GHz TO 18 GHz	EMI4598
	with P equal to the minimum permissive License Digital System rf output power (1 Watt). The limit is then converted to dBμV/m using the formula: $EdB_{\mu V/m} = EIRP(dBm) - 20 \cdot \log(D) + 104.8$ where D is the measurement distance in meters (3m). The 2402 MHz, the 2426 MHz, and the 2480 MHz are the main signals carrier frequencies. A reduced RBW of 100 kHz was used for part of the measurement in order to enhance dynamic range, instead of the standard 1 MHz RBW.
EUT modification(s): N/A	

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 4 / 1 GHz TO 18 GHz						EMI4598	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
7206.28	Vertical	46.80	74	-27.20	48.13	54	-5.87
7279.28	Vertical	50.53	74	-23.47	48.29	54	-5.71
7441.29	Vertical	50.91	74	-23.09	49.97	54	-4.03
7205.28	Horizontal	50.12	74	-23.88	47.14	54	-6.86
7278.28	Horizontal	51.83	74	-22.17	46.86	54	-7.14
7440.29	Horizontal	53.99	74	-20.01	50.38	54	-3.62
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emissions detected.						



RADIATED EMISSION LIMITS - GRAPH	
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 5 / 1 GHz TO 18 GHz	EMI4600
	with P equal to the minimum permissive License Digital System rf output power (1 Watt). The limit is then converted to dBμV/m using the formula: $EdB_{\mu V/m} = EIRP(dBm) - 20 \cdot \log(D) + 104.8$ where D is the measurement distance in meters (3m). The 2402 MHz, the 2426 MHz, and the 2480 MHz are the main signals carrier frequencies. A reduced RBW of 100 kHz was used for part of the measurement in order to enhance dynamic range, instead of the standard 1 MHz RBW.
EUT modification(s): N/A	

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 5 / 1 GHz TO 18 GHz						EMI4600	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
7206.28	Vertical	51.56	74	-22.44	48.05	54	-5.95
7279.28	Vertical	52.09	74	-21.91	49.35	54	-4.65
7441.29	Vertical	52.43	74	-21.57	51.16	54	-2.84
7205.28	Horizontal	45.25	74	-28.75	46.04	54	-7.96
7278.28	Horizontal	44.65	74	-29.35	48.50	54	-5.50
7440.29	Horizontal	52.56	74	-21.44	49.69	54	-4.31
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emissions detected.						



RADIATED EMISSION LIMITS - GRAPH	
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 6 / 1 GHz TO 18 GHz	EMI4599
	with P equal to the minimum permissive License Digital System rf output power (1 Watt). The limit is then converted to dBμV/m using the formula: $EdB_{\mu V/m} = EIRP(dBm) - 20 \cdot \log(D) + 104.8$ where D is the measurement distance in meters (3m). The 2402 MHz, the 2426 MHz, and the 2480 MHz are the main signals carrier frequencies. A reduced RBW of 100 kHz was used for part of the measurement in order to enhance dynamic range, instead of the standard 1 MHz RBW.
EUT modification(s): N/A	

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / BRACELET / BLE / POSITION 6 / 1 GHz TO 18 GHz						EMI4599	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
7206.28	Vertical	50.26	74	-23.74	46.62	54	-7.38
7279.28	Vertical	51.78	74	-22.22	47.73	54	-6.27
7441.29	Vertical	52.89	74	-21.11	48.53	54	-5.47
7205.28	Horizontal	50.46	74	-23.54	49.61	54	-4.39
7278.28	Horizontal	52.72	74	-21.28	49.87	54	-4.13
7440.29	Horizontal	55.16	74	-18.84	52.44	54	-1.56
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emissions detected.						

6.2.6dB bandwidth

Reference standard:	FCC part 15 Radio part 15.247, 15.215
Test method:	ANSI C63.10: 2013
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..	

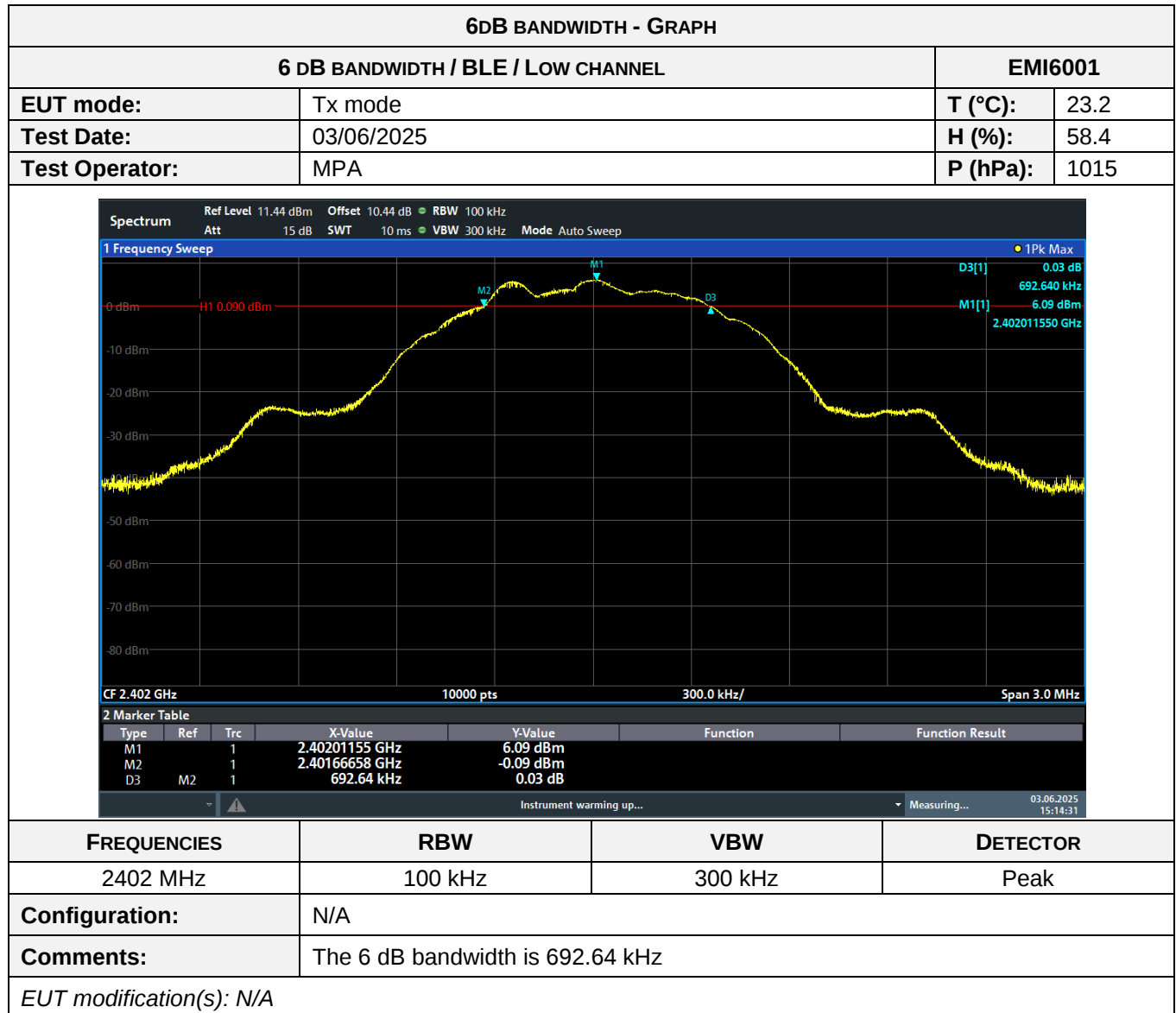
TESTED PARAMETER	RESULT	SEVERITY	RESULT TAB.	VERDICT
6 dB bandwidth / BLE / Low channel	692.64 kHz	≥ 500 kHz	EMI6001	PASS
6 dB bandwidth / BLE / Mid channel	713.64 kHz		EMI6002	PASS
6 dB bandwidth / BLE / High channel	680.94 kHz		EMI6003	PASS

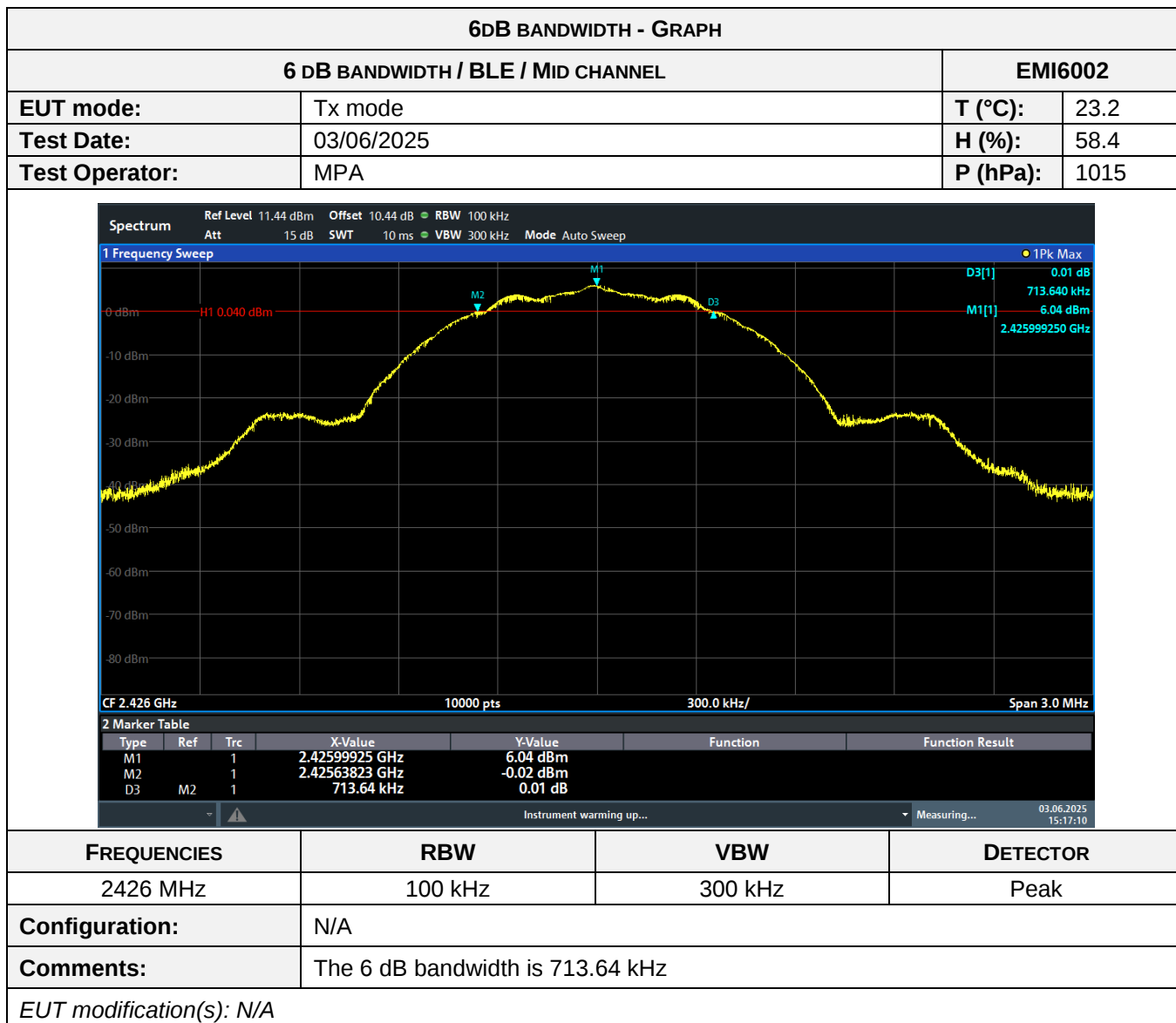
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	See Graph(es)
Relative Humidity	20 to 75 %	See Graph(es)
Atmospheric pressure	N/A	See Graph(es)
TEST METHOD DEVIATION: N/A		
Supplementary information: N/A		

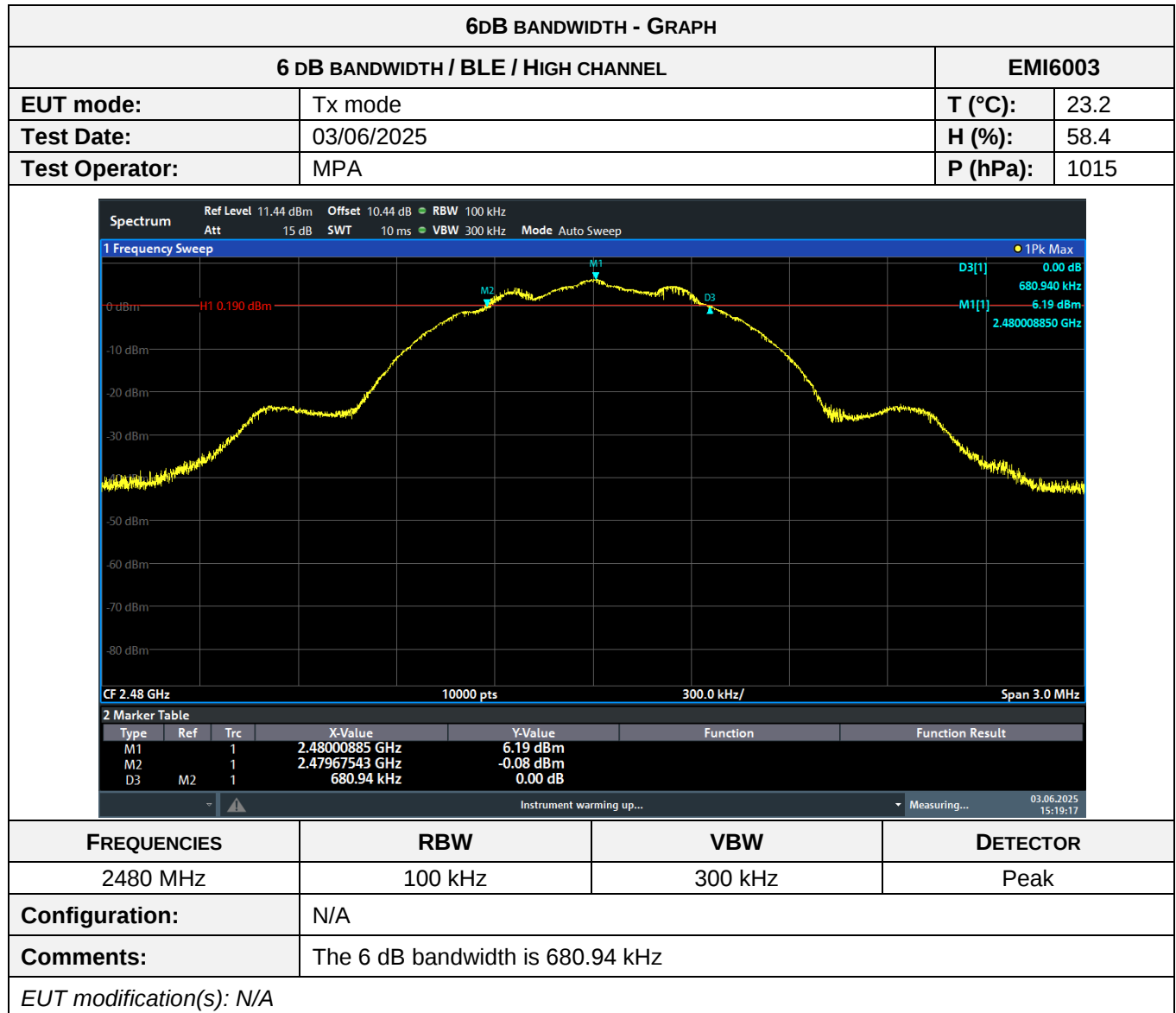
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Attenuator	Techniwave	TWSMA-10dB-18G-SMA	14673	30/01/2023	30/03/2026
Spectrum analyzer	Rohde & Schwarz	FPL1003	16027	12/05/2025	12/07/2026
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027

BAT-EMC software version: V3.18.0.26

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6.3. Maximum peak power of the intentional radiator

Reference standard:	FCC 47 CFR PART 15.247
Test method:	ANSI C63.10 : 2013
Test description: b) (3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode. For EUT without dedicated or integral antenna, EUT is connected to the measuring receiver via 50Ω attenuator(s). Radiated power limit applies to the maximum measured conducted power value adjusted by the antenna gain and beamforming gain. For EUT with integral or dedicated antenna, measurements are done on a normalized test site. EUT is set on an insulating support at 150 cm above the ground reference plane. Measurement is 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: - For frequencies < 1GHz a research of maximum level is done on 3 axes - For frequencies > 1GHz styrofoam wedges, precut to the 30°, 60°, and 90° angles, are used to support the EUT in the 6 different orientations. Only the highest levels are recorded.	

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
EIRP / BLE / Position 1	2.380GHz-2.5035GHz	1 W (30 dBm)	EMI4563	PASS
EIRP / BLE / Position 2			EMI4564	PASS
EIRP / BLE / Position 3			EMI4566	PASS
EIRP / BLE / Position 4			EMI4565	PASS
EIRP / BLE / Position 5			EMI4567	PASS
EIRP / BLE / Position 6			EMI4568	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	AARONIA	Powerlog 70180	15306	04/01/2023	04/03/2026
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
Preamplifier	IMPULSE	CA118-546ACN	9169	01/10/2024	01/12/2025
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	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027

BAT-EMC software version: V3.18.0.26

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TEST SETUP PHOTO(S) – EUT POSITION 2



TEST SETUP PHOTO(S) – EUT POSITION 3



TEST SETUP PHOTO(S) – EUT POSITION 4



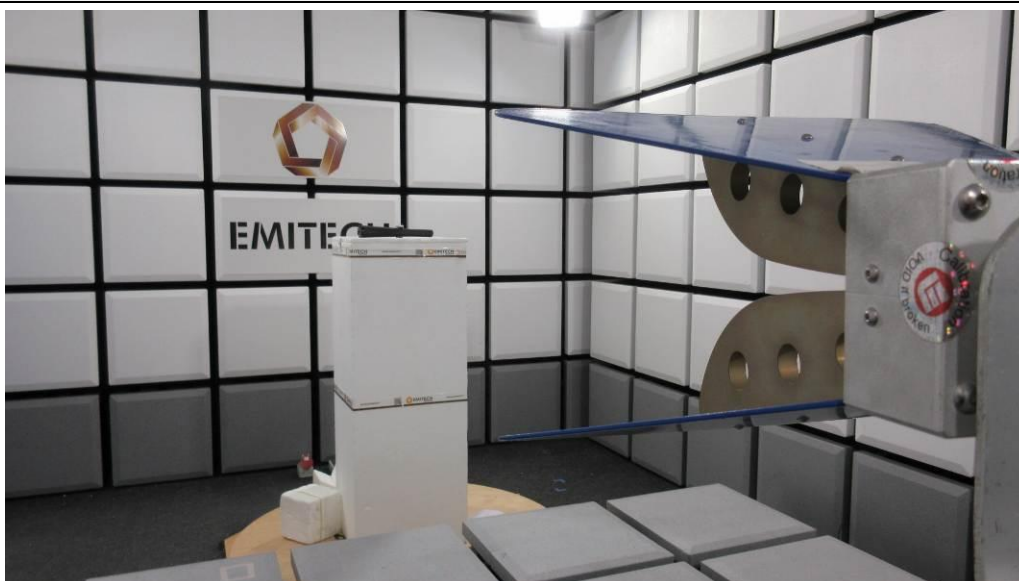
TEST SETUP PHOTO(S) – EUT POSITION 5

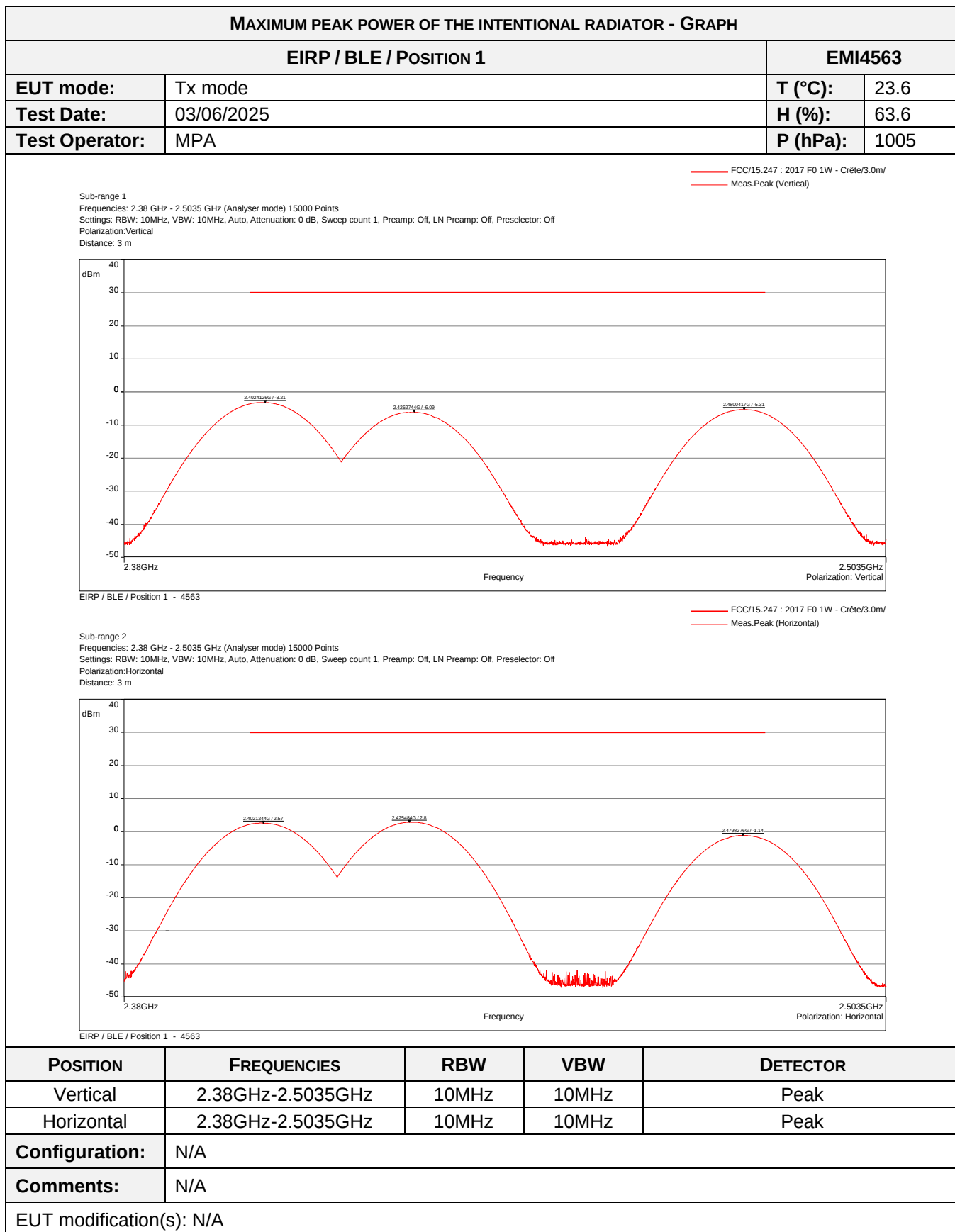


TEST SETUP PHOTO(S) – EUT POSITION 6

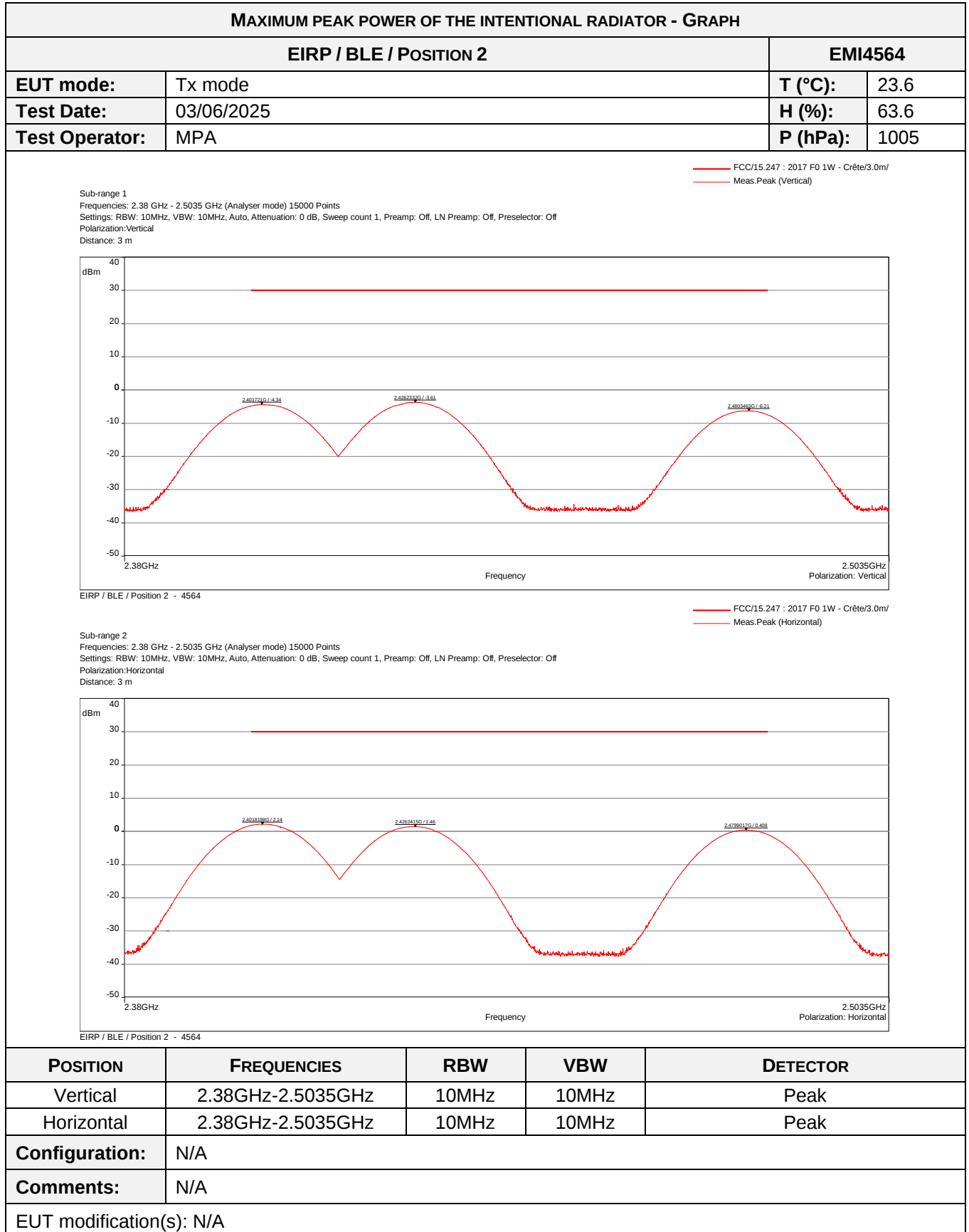


TEST SETUP PHOTO(S)

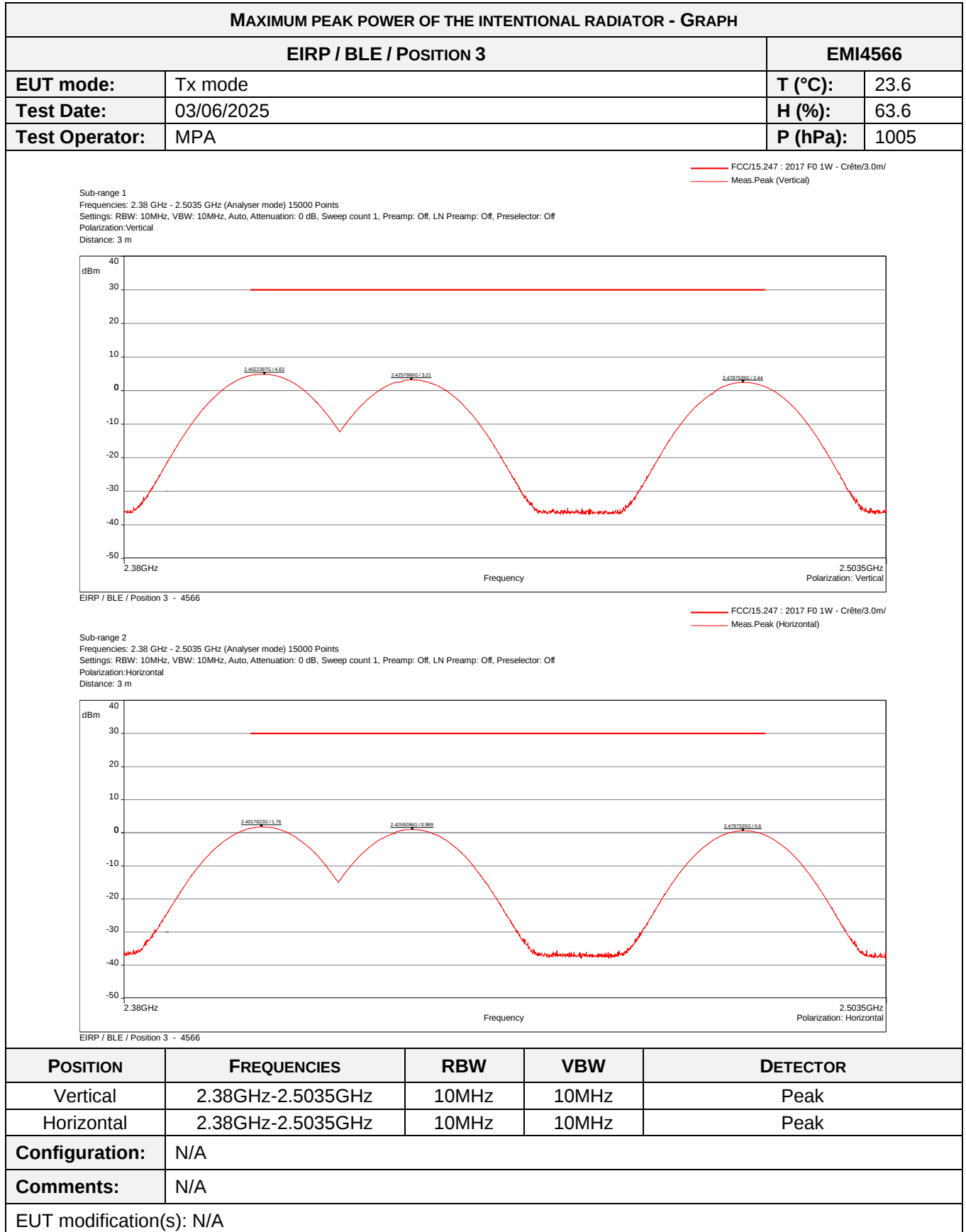




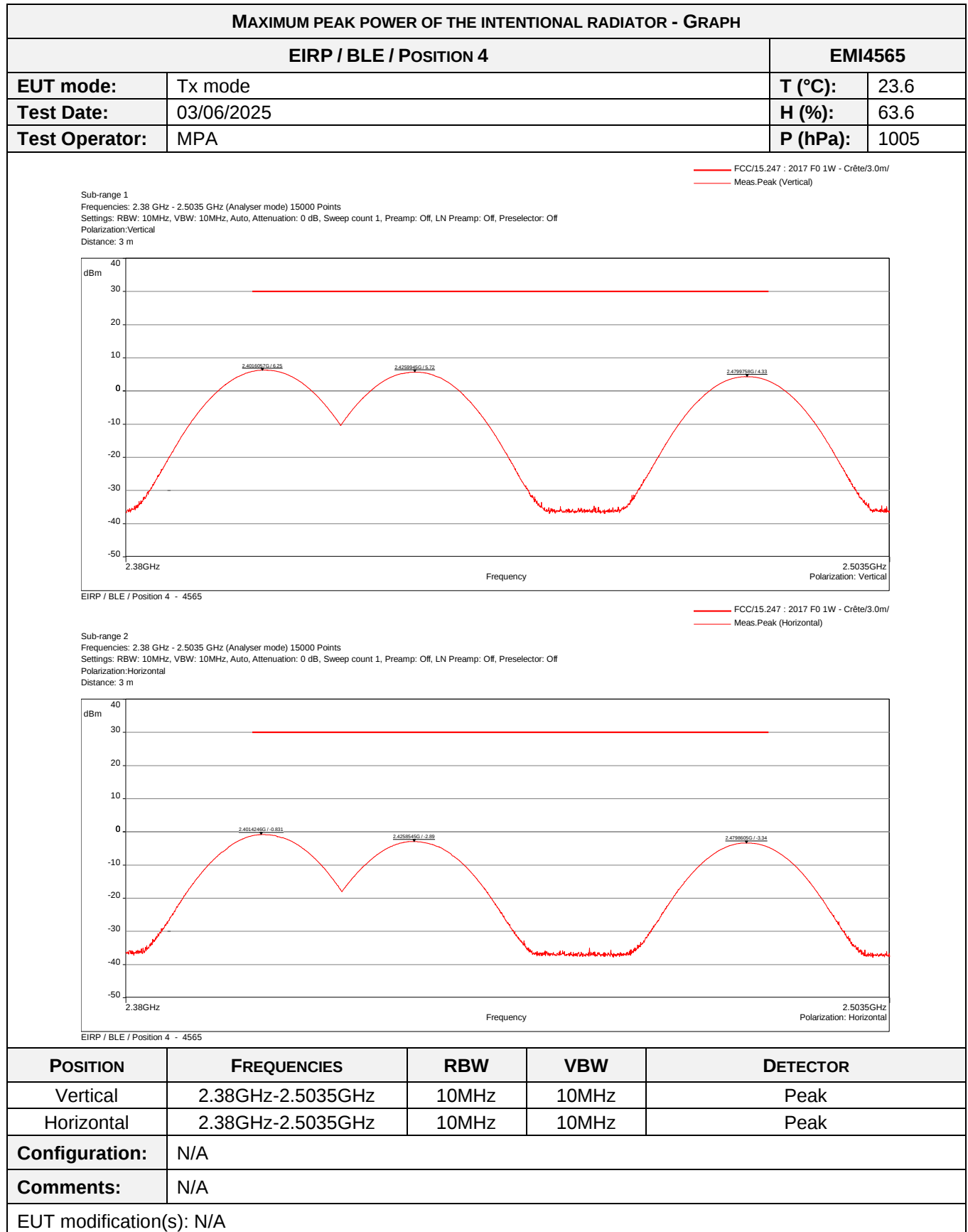
MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR - TABULATED RESULTS			
EIRP / BLE / POSITION 1			EMI4563
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2402	Vertical	-3.21	30
2426	Vertical	-6.09	30
2480	Vertical	-5.31	30
2402	Horizontal	2.57	30
2426	Horizontal	2.80	30
2480	Horizontal	-1.14	30



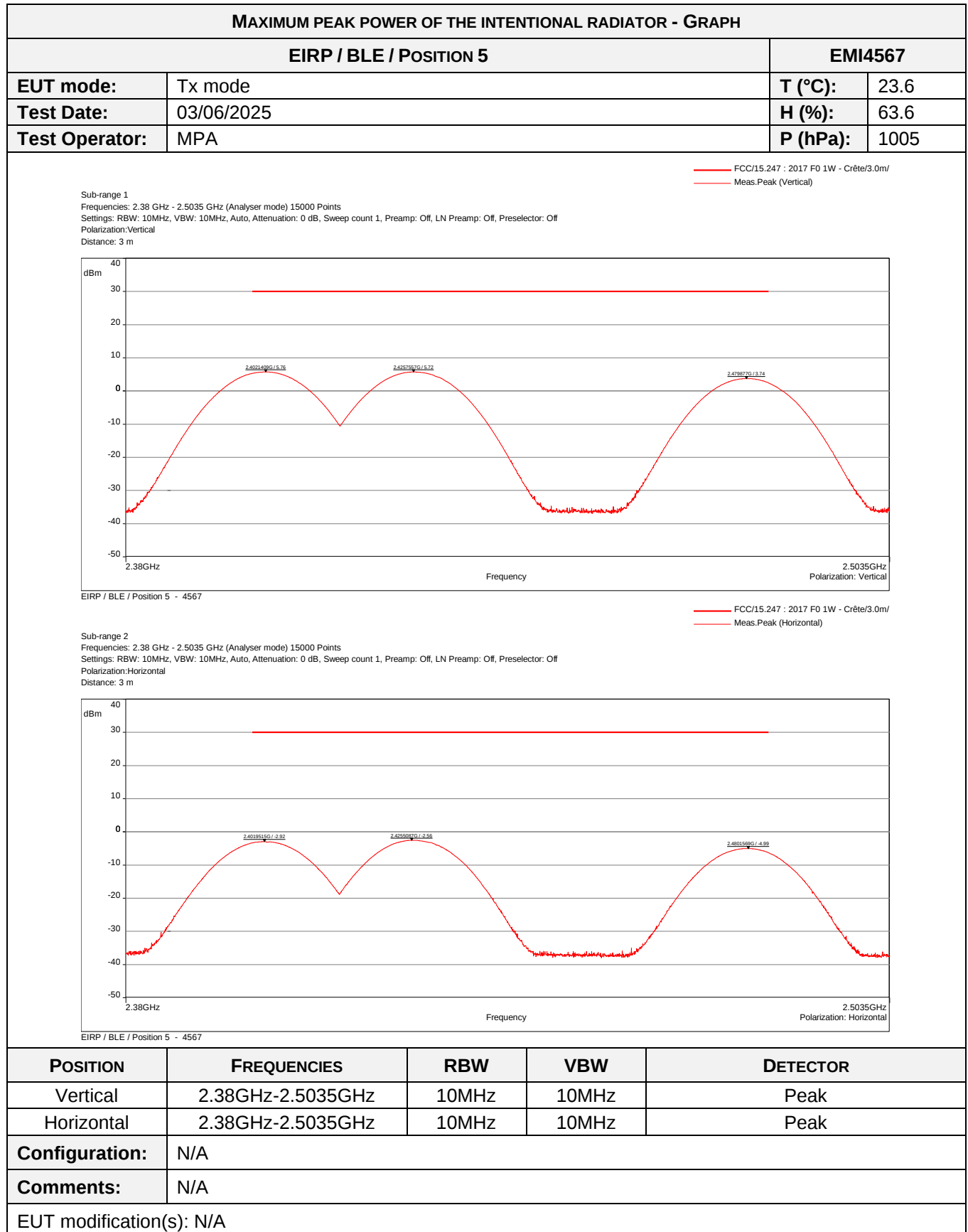
MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR - TABULATED RESULTS			
EIRP / BLE / POSITION 2			EMI4564
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2402	Vertical	-4.34	30
2426	Vertical	-3.61	30
2480	Vertical	-6.21	30
2402	Horizontal	2.14	30
2426	Horizontal	1.46	30
2480	Horizontal	0.41	30



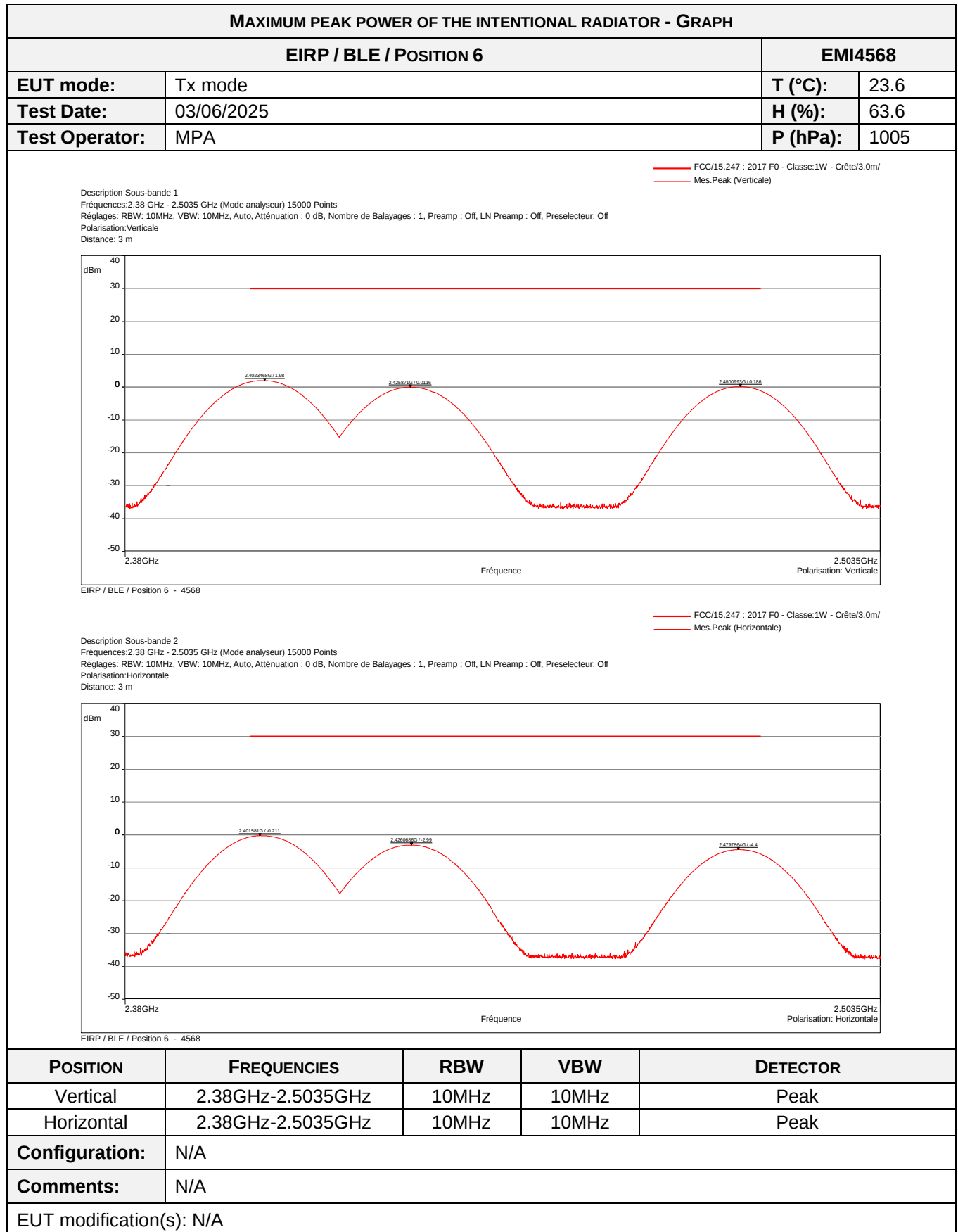
MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR - TABULATED RESULTS			
EIRP / BLE / POSITION 3			EMI4566
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2402	Vertical	4.83	30
2426	Vertical	3.21	30
2480	Vertical	2.44	30
2402	Horizontal	1.76	30
2426	Horizontal	0.99	30
2480	Horizontal	0.60	30



MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR - TABULATED RESULTS			
EIRP / BLE / POSITION 4			EMI4565
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2402	Vertical	6.25	30
2426	Vertical	5.72	30
2480	Vertical	4.33	30
2402	Horizontal	-0.83	30
2426	Horizontal	-2.89	30
2480	Horizontal	-3.34	30



MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR - TABULATED RESULTS			
EIRP / BLE / POSITION 5			EMI4567
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2402	Vertical	5.76	30
2426	Vertical	5.72	30
2480	Vertical	3.74	30
2402	Horizontal	-2.92	30
2426	Horizontal	-2.56	30
2480	Horizontal	-4.99	30



MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR - TABULATED RESULTS			
EIRP / BLE / POSITION 6			EMI4568
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)
2402	Vertical	1.98	30
2426	Vertical	0.01	30
2480	Vertical	0.19	30
2402	Horizontal	-0.21	30
2426	Horizontal	-2.99	30
2480	Horizontal	-4.40	30

6.4. Power Spectral Density

Reference standard:	FCC part 15 Radio part 15.247
Test method:	ANSI C63.10: 2013
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. For EUT without dedicated or integral antenna, EUT is connected to the measuring receiver via 50Ω attenuator(s). Radiated power limit applies to the maximum measured conducted power value adjusted by the antenna gain and beamforming gain. For EUT with integral or dedicated antenna, measurements are done on a normalized test site. EUT is set on an insulating support at 150 cm above the ground reference plane. Measurement is 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: - For frequencies < 1GHz a research of maximum level is done on 3 axes - For frequencies > 1GHz styrofoam wedges, precut to the 30°, 60°, and 90° angles, are used to support the EUT in the 6 different orientations. Only the highest levels are recorded.	

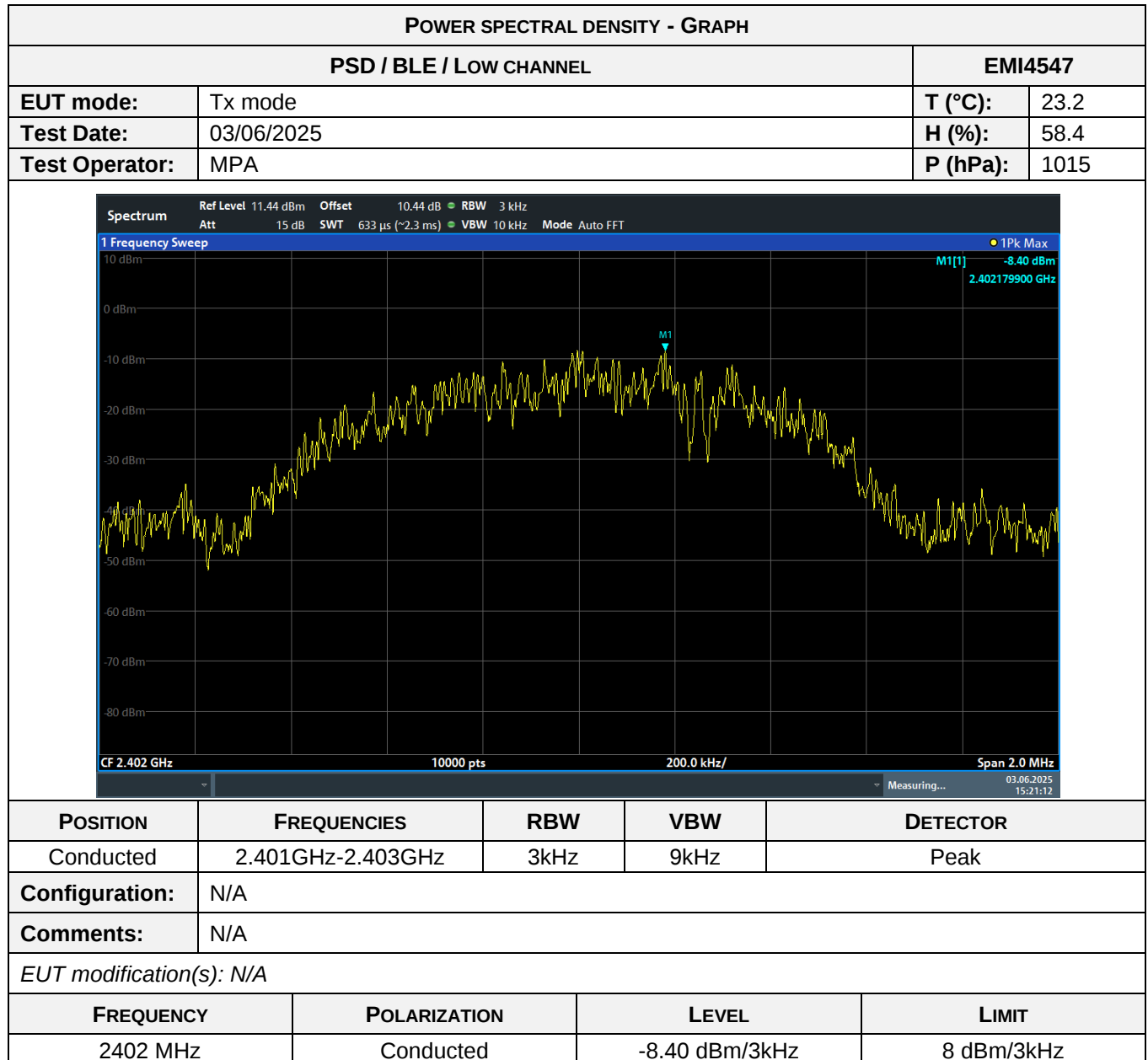
TESTED CONFIGURATION	RESULT	SEVERITY	RESULT TAB.	VERDICT
PSD / BLE / Low channel	-8.40 dBm/3kHz	8 dBm/3kHz	EMI4547	PASS
PSD / BLE / Mid channel	-7.18 dBm/3kHz		EMI4548	PASS
PSD / BLE / High channel	-10.99dBm/3kHz		EMI4549	PASS

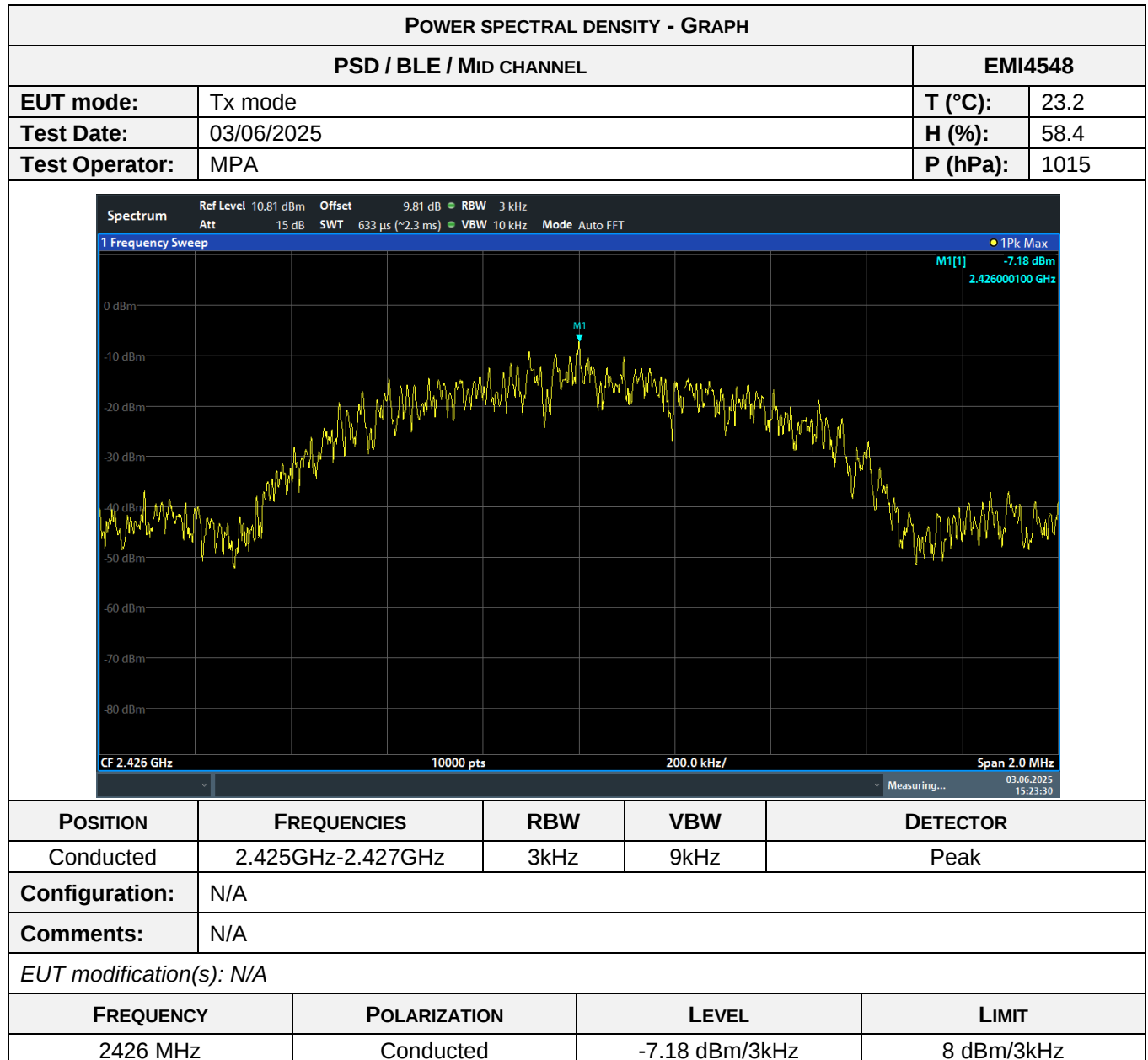
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	See Graph(s)
Relative Humidity	20 to 75 %	See Graph(s)
Atmospheric pressure	N/A	See Graph(s)
TEST METHOD DEVIATION: N/A		
Supplementary information: N/A		

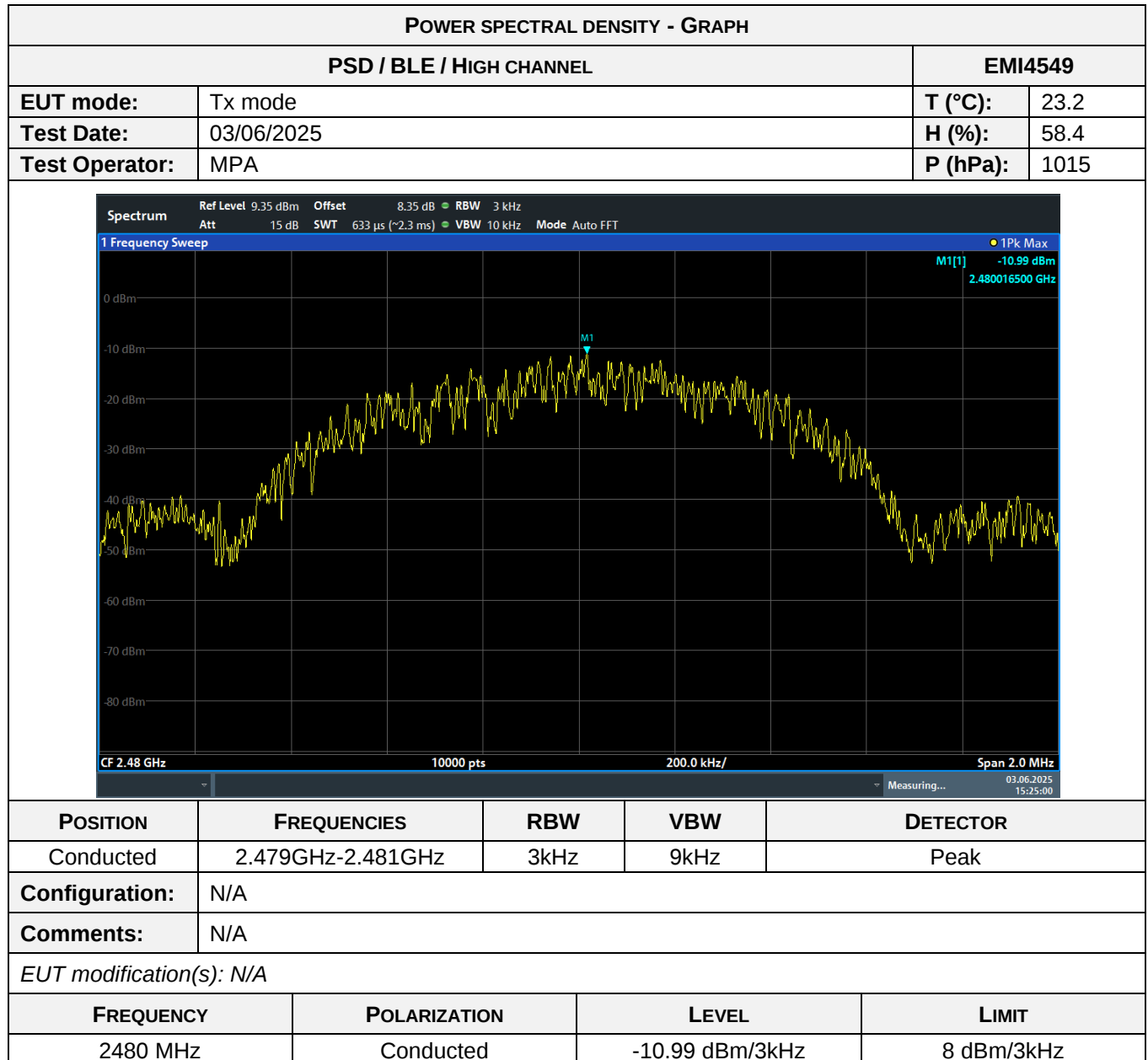
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Attenuator	Techniwave	TWSMA-10dB-18G-SMA	14673	30/01/2023	30/03/2026
Spectrum analyzer	Rohde & Schwarz	FPL1003	16027	12/05/2025	12/07/2026
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025
Thermohygrometer	Testo	608-H2	12269	18/02/2025	18/04/2027

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity







6.5. Band-edge compliance of emissions

Reference standard:	FCC part 15 Radio part 15.247
Test method:	ANSI C63.10: 2013
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 / BLE	2.38GHz- 2.5035GHz	20 dBc	EMI4575	PASS

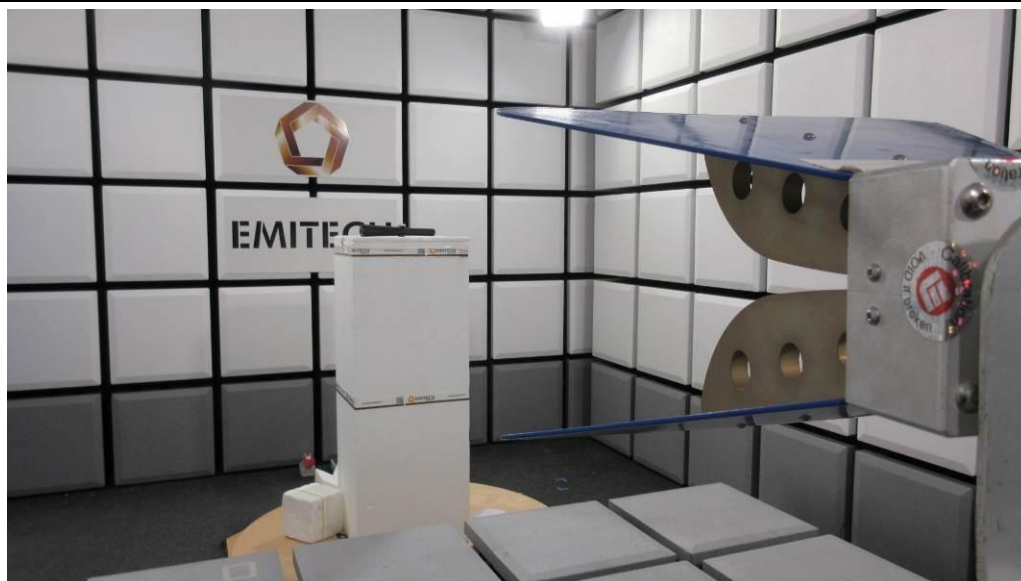
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	See Graph(s)
Relative Humidity	20 to 75 %	See Graph(s)
Atmospheric pressure	N/A	See Graph(s)
TEST METHOD DEVIATION: N/A		
Supplementary information: Measurement was performed in the worst-case position and azimuth.		

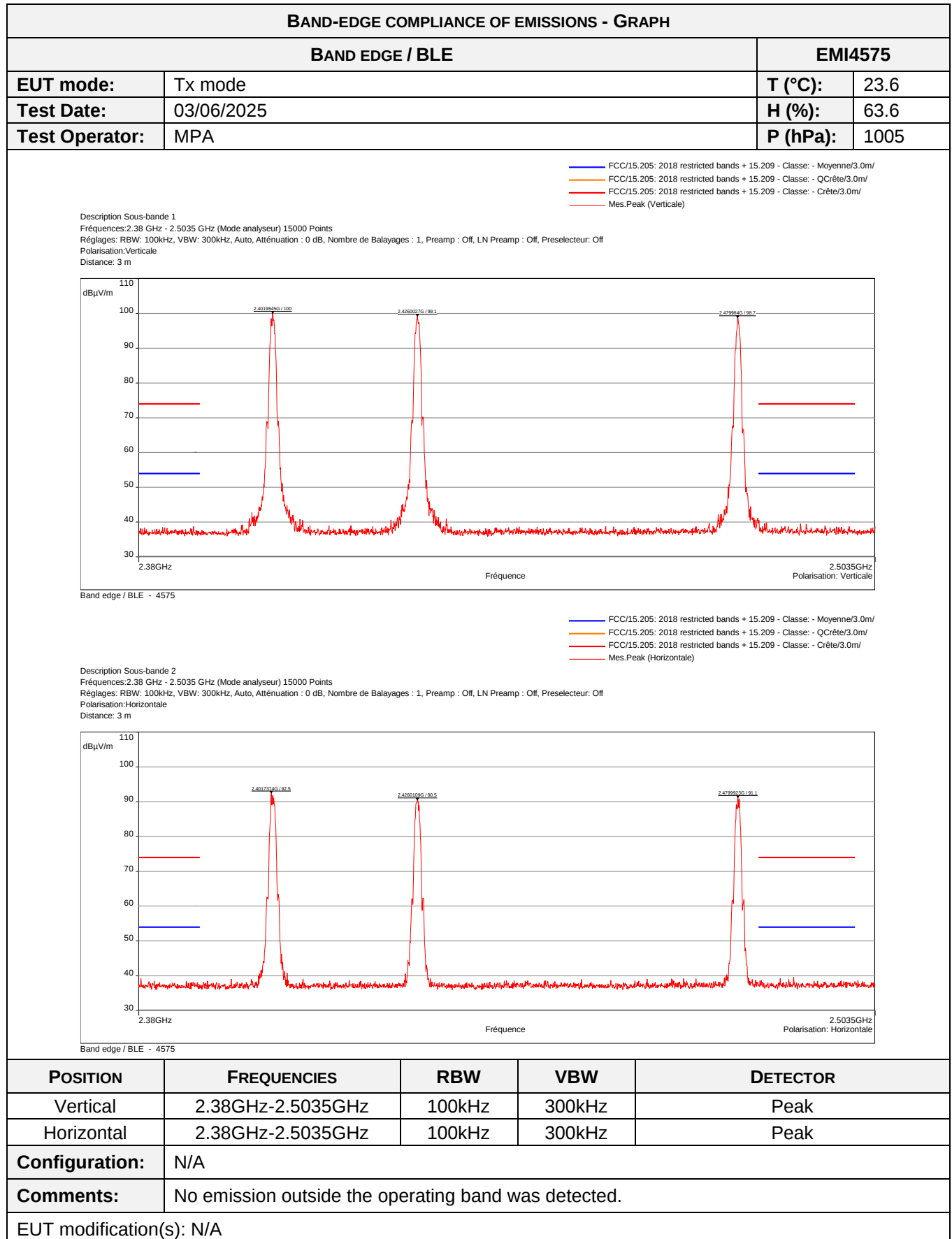
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	AARONIA	Powerlog 70180	15306	04/01/2023	04/03/2026
Attenuator	Radiall	R412710124	17329	17/08/2023	17/10/2026
Cable	Techniwave	N-1.5m	18340	17/08/2023	17/10/2025
Cable	Techniwave	N-1.5m	18341	17/08/2023	17/10/2025
Cable	Techniwave	N-1m	18343	17/08/2023	17/10/2025
Preamplifier	IMPULSE	CA118-546ACN	9169	01/10/2024	01/12/2025
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	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) – BAND EDGE





6.6. Frequency Stability

Reference standard:	FCC part 15 Radio part 15.215
Test method:	ANSI C63.10: 2013
General test setup: The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation. EUT is set inside the climatic enclosure. EUT is connected to the measuring receiver via 50Ω attenuator(s).	

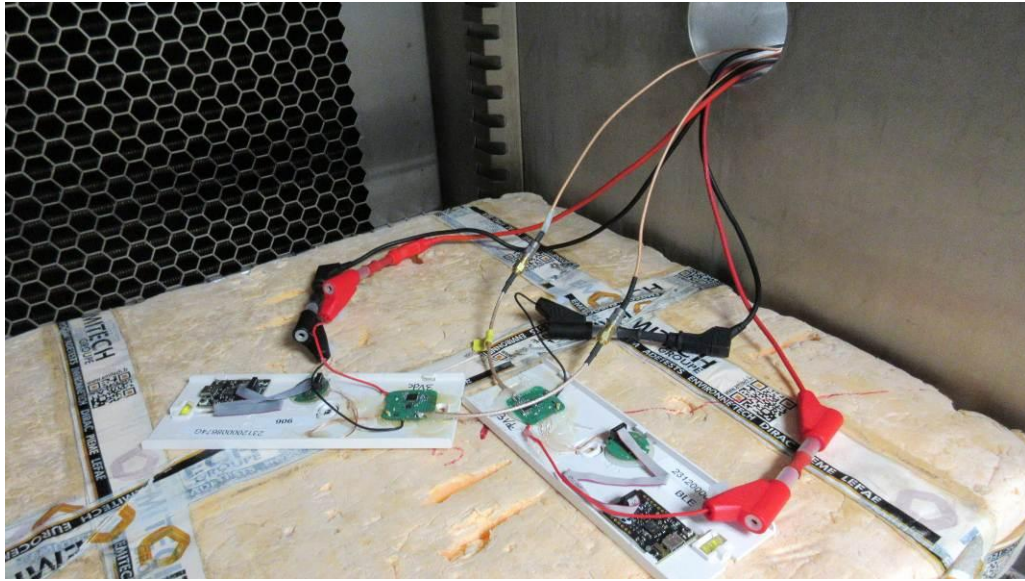
TEST CASE	EUT MODE	SEVERITY	RESULT TAB.	VERDICT
Tx mode	Tx mode	2400MHz-2483.5MHz	EMI5000	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	23.3 °C
Relative Humidity	20 to 75 %	65.9 %
Atmospheric pressure	N/A	1002 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
Attenuator	Techniwave	TWSMA-10dB-18G-SMA	14673	30/01/2023	30/03/2026
Cable	MegaPhase	N-3m	14852	09/06/2025	09/08/2027
Cable	Radiall	SMA-1m	16563	16/08/2023	16/10/2025
Cable	Radiall	SMA-1m	16564	11/12/2023	11/02/2026
Climatic enclosure	CLIMATS	EXCAL 7714-HA	14261	03/10/2024	03/12/2025
Power supply	TTI	PL303QMD	8496		
Spectrum analyzer	Rohde & Schwarz	FPL1003	16027	12/05/2025	12/07/2026

Blank cells = Permanent validity

TEST SETUP PHOTO(S)



FREQUENCY STABILITY - TABULATED RESULTS

TX MODE				EMI5000
TEST CASE	TEMPERATURE (°C)	POWER SUPPLY (VDC)	FREQUENCY (MHz)	FREQUENCY ERROR (kHz)
Normal conditions	+25	3.00	2401.992099	-
			2426.003918	
			2479.997828	
Extremes voltage tests conditions		2.55	2401.994161	+2.062
			2426.000289	-3.629
			2479.997925	+0.097
		3.45	2401.992337	+0.238
			2426.001859	-2.059
			2479.998001	+0.173
Extremes temperature tests conditions	-20	3.00	2401.988914	-3.185
Extremes temperature tests conditions	+55		2426.005090	+1.172
			2479.998786	+0.958
		2401.988687	-3.412	
		2426.005075	+1.157	
		2479.997446	-0.382	

EUT MODIFICATIONS	OPERATOR	TEST DATE	RESULT TAB.
N/A	MPA	04/06/2025	EMI5000

End of test report