



Test report issued under the responsibility of:

EMITECH MONTPELLIER laboratory

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RADIO TEST REPORT

FCC 47 CFR PART 15.247: April 2025

RSS-247, Issue 4: July 2025

ANSI C 63.10: 2020

Company: **INSIGHT SIP**
Address.....: 400 AVENUE ROUMANILLE
GREENSIDE BAT 7
06906 SOPHIA-ANTIPOLIS
FRANCE

Test item description.: **Wi-Fi, BLE, Thread, module**
Trade Mark.: INSIGHT SIP
Manufacturer.: INSIGHT SIP
Model/Type reference......: ISP5261
FCC ID.....: 2AAQS-ISP5261
IC.: 11306A-ISP5261
Ratings.....: 3.14 VDC to 3.46 VDC

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

Report Reference No......: **RR-EVE-24F158-2A**
Test procedure.: FCC IC Certification
Diffusion......: Mr FATTOUH
Applicant's name.: INSIGHT SIP
Date of issue......: January 14, 2026
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Compiled by......: Morgan PATEY
Approved by (+ signature).: David MONTAULON (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.*

REPORT INDEX:	
1. GENERAL INFORMATIONS	3
2. REFERENCE DOCUMENT(S)	4
3. EQUIPMENT TECHNICAL DESCRIPTION	5
3.1. TEST CONDITIONS	5
3.2. E.U.T. MARKING PLATE	5
3.3. E.U.T. MODIFICATION(S)	5
3.4. E.U.T. GENERAL VIEW	6
3.5. E.U.T. MECHANICAL AND ELECTRICAL DESIGN	7
3.6. E.U.T. INPUT/OUTPUT PORTS	7
3.7. SUPPORTING EQUIPMENT USED DURING TEST	8
3.8. EUT RADIO SPECIFICATIONS	9
4. RESULT SUMMARY	10
5. MEASUREMENT UNCERTAINTY	12
6. TEST CONDITIONS AND RESULTS	13
6.1. RADIATED EMISSION LIMITS	13
6.2. 6dB BANDWIDTH & 99% OCCUPIED BANDWIDTH	90
6.3. MAXIMUM PEAK POWER OF THE INTENTIONAL RADIATOR	97
6.4. POWER SPECTRAL DENSITY	121
6.5. BAND-EDGE COMPLIANCE OF EMISSIONS	126
6.6. FREQUENCY STABILITY	131

REVISION HISTORY:			
Revision	Date	Modified pages	Modifications
0	January 14, 2026	/	Creation

This document submits the results of Radio tests performed on the equipment **Wi-Fi, BLE, Thread, module ISP5261** (denominated hereafter E.U.T.: equipment under test) according to document(s) listed in §2 of this test report.

Page 3 on 132

2. REFERENCE DOCUMENT(S)

NORMATIVE REFERENCES:

The following referenced documents are necessary for the application of the present test report.

FCC 47 CFR PART 15.247: April 2025

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

RSS-247, Issue 4: July 2025

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

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

Public Notice DA 00-705

Filing and Measurement Guideline for Frequency Hopping Spread Spectrum Systems.

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. : Wi-Fi, BLE, Thread, module
Model/Type reference..... : ISP5261
Trade Mark. : INSIGHT SIP
Serial number (S/N)..... : Not communicated
Part number (P/N). : Not communicated
Software version. : *N/A*
Firmware version. : *Not communicated*
Type of sample. : Pre-serial
Function(s)..... : Wi-Fi, Bluetooth Low Energy, and Thread, module with integrated
bi-band antenna
Manufacturer name. : INSIGHT SIP
Address..... : 400 AVENUE ROUMANILLE
GREENSIDE BAT 7
06906 SOPHIA-ANTIPOLIS
FRANCE

General product information:
N/A

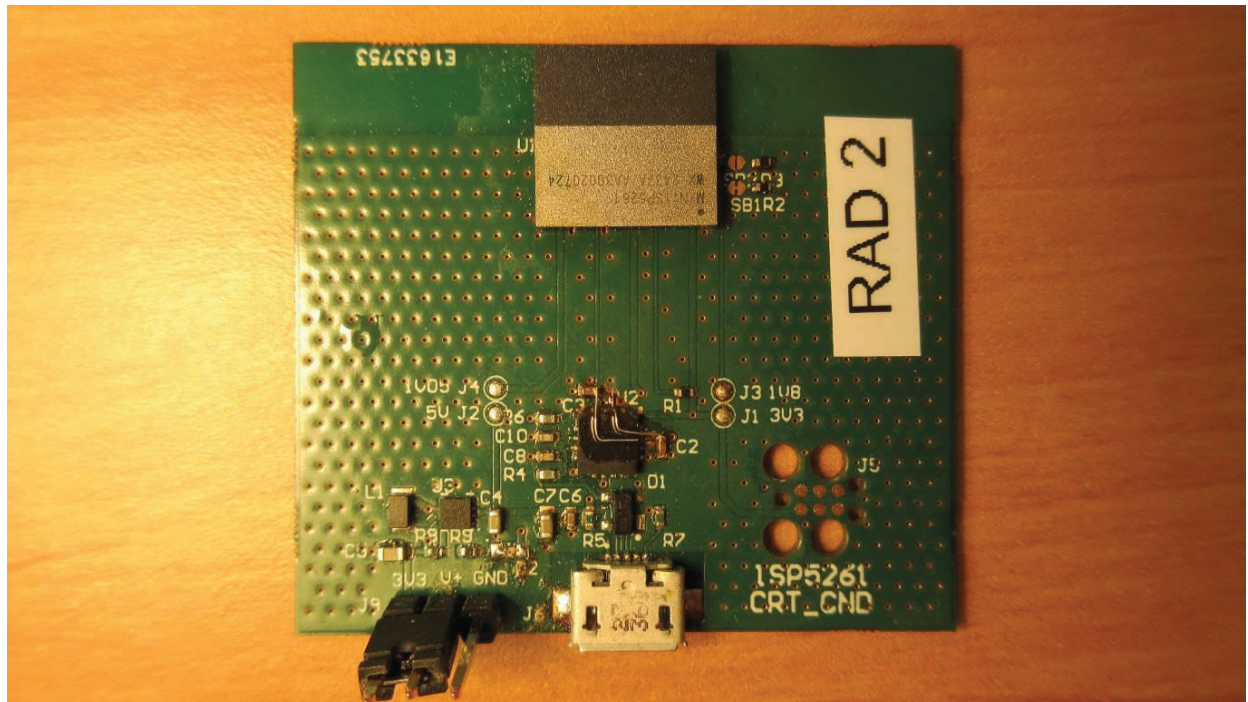
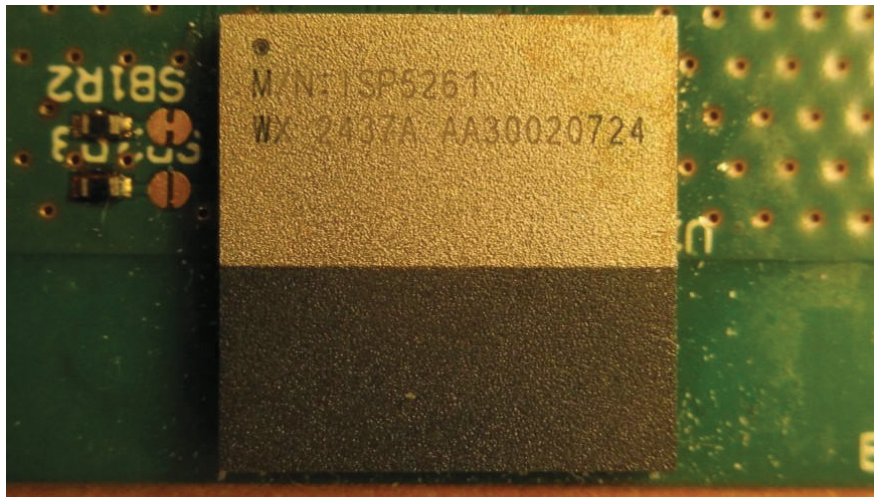
3.2. E.U.T. Marking plate

No marking plate during tests

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

No modification

3.4.E.U.T. General view



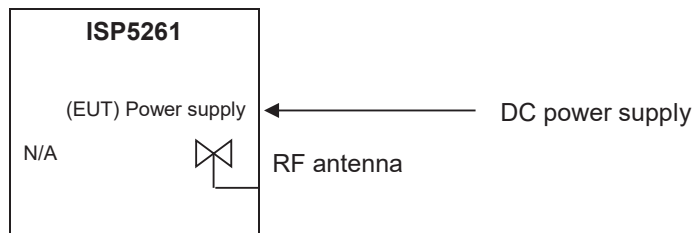
3.5.E.U.T. Mechanical and Electrical Design

Power supply. : 3.3 VDC
 Power supply range..... : 3.14 VDC to 3.46 VDC
 Power type..... : DC
 Power (W)..... : 2 (max)
 Nominal current (A). : 0.6 (max)
 Dimensions (L x W x H) (m). : 0.012 x 0.012 x 0.0018
 Weight (kg). : < 0.01
 Temperature range (°C). : -40 to +85
 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/A	N/A	N/A	RF module
1	DC power supply	DC	N/A	N/A	3.3 VDC
2	RF antenna	RF	N/A	N/A	2.4 GHz

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

3.7. Supporting Equipment Used During Test

Sample subject to the tests was tested with following equipment.

PRODUCT TYPE	MANUFACTURER	MODEL	N°EMITECH / COMMENTS
Laptop	ASUS	S301L	Used to power and program the EUT operation modes

LAPTOP (AE)



3.8. EUT Radio Specifications

a) GENERAL INFORMATIONS	
According to manufacturer's declarations :	
EUT type.....	<i>Transceiver</i>
Technology	<i>Thread</i>
Environmental profile.....	<i>Data transmissions</i>
Temperature range	<i>-40°C to +85°C</i>
Antenna type	<i>Integrated</i>
Antenna Gain.....	<i>-0.5dBi @2450MHz</i> <i>2.15dBi @5500MHz</i>
Comments:	
<i>N/A</i>	
b) TRANSMITTER PARAMETERS (Tx)	
Frequency bands.....	<i>2400 MHz to 2483.5 MHz</i>
RF Power.....	<i>< 10 dBm</i>
Number of channels / Separation	<i>16</i>
Modulation type	<i>802.15.4</i>
Duty cycle	<i>Not communicated</i>
Tested frequency.....	<i>Low channel : 2405 MHz</i> <i>Mid channel : 2440 MHz</i> <i>High channel : 2480 MHz</i>
c) RECEIVER PARAMETERS (Rx)	
Frequency bands.....	<i>2400 MHz to 2483.5 MHz</i>
Category/Class	<i>Not communicated</i>
Bandwidth	<i>2400 MHz to 2483.5 MHz</i>

4. 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		N/A	15.107
Radiated emission limits		N/A	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			

TEST DESIGNATION	SEVERITY	VERDICT	BASIC STANDARDS / COMMENTS
Equipment authorization requirement	Class B	PASS	15.201 / Transmitter part is subject to Certification procedure
Certified operating frequency range		N/A	15.202
Antenna requirement		PASS	15.203 / Dedicated integral antenna
External radio frequency power amplifiers and antenna modifications		N/A	15.204
Restricted bands of operation		PASS	15.204
Conducted limits		N/A	15.207
Radiated emission limits; general requirements		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) Non-FHSS equipment
- Digital modulation system		PASS	a) (2) -6dB BW > 500kHz
- Maximum peak conducted output power		-	b)
- For hopping system in the 2400-2483.5 MHz and 5725-5850 MHz bands		N/A	b) (1) Non-FHSS equipment
- For hopping system in the 902-928MHz band		N/A	b) (2) Non-FHSS equipment
- 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/P	g) See certification documents
- Frequency hopping intelligence		N/P	h) See certification documents
- 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.

Opinion(s) and interpretation(s): N/A

TEST(S) PERFORMED	MODIFICATION(S)
ANSI C63.10	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	$\pm 0.8\text{dB}$	$\pm 1 \text{ dB}$
Power spectral density	$\pm 2.3\text{dB}$	$\pm 3 \text{ dB}$
Occupied bandwidth		
RF power	$\pm 3.8 \%$	$\pm 5 \%$
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
PIRE and power spectral density with diode	$\pm 5.7 \text{ dB}$	$\pm 6 \text{ dB}$
Radiated emission (magnetic field)		
9kHz – 30MHz	$\pm 3.4 \text{ dB}$	$\pm 6 \text{ dB}$
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	$\pm 4.4 \%$	$\pm 5 \%$
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).

6. TEST CONDITIONS AND RESULTS

6.1. Radiated emission limits

Reference standard:	FCC 47 CFR PART 15.209 RSS-247
Test method:	ANSI C63.10
General test setup: For $f < 30\text{MHz}$, 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 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 $f > 30\text{MHz}$, EUT is set on an insulating support at 80cm above the ground reference plane (150cm for $f > 1\text{GHz}$). 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 to 4 m. All frequencies were investigated, where applicable. For portable equipments a research of maximum level is done on the 3 axes. In addition we used the tilt function of antenna mast, in order to find the maximum radiated emission in all directions. Only the highest levels are recorded.	

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Radiated measurement / 0°	9kHz-30MHz	15.209	EMI4799	PASS
Radiated measurement / 45°	9kHz-30MHz	15.209	EMI4800	PASS
Radiated measurement / 90°	9kHz-30MHz	15.209	EMI4801	PASS
Radiated measurement / Thread / Low channel / 30 MHz to 1 GHz / Position 1	30MHz-1GHz	15.209	EMI4561	PASS
Radiated measurement / Thread / Low channel / 30 MHz to 1 GHz / Position 2	30MHz-1GHz	15.209	EMI4562	PASS
Radiated measurement / Thread / Low channel / 30 MHz to 1 GHz / Position 3	30MHz-1GHz	15.209	EMI4563	PASS
Radiated measurement / Thread / Mid channel / 30 MHz to 1 GHz / Position 1	30MHz-1GHz	15.209	EMI4565	PASS
Radiated measurement / Thread / Mid channel / 30 MHz to 1 GHz / Position 2	30MHz-1GHz	15.209	EMI4566	PASS
Radiated measurement / Thread / Mid channel / 30 MHz to 1 GHz / Position 3	30MHz-1GHz	15.209	EMI4567	PASS
Radiated measurement / Thread / High channel / 30 MHz to 1 GHz / Position 1	30MHz-1GHz	15.209	EMI4569	PASS
Radiated measurement / Thread / High channel / 30 MHz to 1 GHz / Position 2	30MHz-1GHz	15.209	EMI4570	PASS
Radiated measurement / Thread / High channel / 30 MHz to 1 GHz / Position 3	30MHz-1GHz	15.209	EMI4571	PASS

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Radiated measurement / Thread / Low channel / 1 GHz to 18 GHz / Position 1	1GHz-18GHz	15.209	EMI4601	PASS
Radiated measurement / Thread / Low channel / 1 GHz to 18 GHz / Position 2	1GHz-18GHz	15.209	EMI4602	PASS
Radiated measurement / Thread / Low channel / 1 GHz to 18 GHz / Position 3	1GHz-18GHz	15.209	EMI4603	PASS
Radiated measurement / Thread / Low channel / 1 GHz to 18 GHz / Position 4	1GHz-18GHz	15.209	EMI4604	PASS
Radiated measurement / Thread / Low channel / 1 GHz to 18 GHz / Position 5	1GHz-18GHz	15.209	EMI4605	PASS
Radiated measurement / Thread / Low channel / 1 GHz to 18 GHz / Position 6	1GHz-18GHz	15.209	EMI4606	PASS
Radiated measurement / Thread / Mid channel / 1 GHz to 18 GHz / Position 1	1GHz-18GHz	15.209	EMI4608	PASS
Radiated measurement / Thread / Mid channel / 1 GHz to 18 GHz / Position 2	1GHz-18GHz	15.209	EMI4609	PASS
Radiated measurement / Thread / Mid channel / 1 GHz to 18 GHz / Position 3	1GHz-18GHz	15.209	EMI4610	PASS
Radiated measurement / Thread / Mid channel / 1 GHz to 18 GHz / Position 4	1GHz-18GHz	15.209	EMI4611	PASS
Radiated measurement / Thread / Mid channel / 1 GHz to 18 GHz / Position 5	1GHz-18GHz	15.209	EMI4612	PASS
Radiated measurement / Thread / Mid channel / 1 GHz to 18 GHz / Position 6	1GHz-18GHz	15.209	EMI4613	PASS
Radiated measurement / Thread / High channel / 1 GHz to 18 GHz / Position 1	1GHz-18GHz	15.209	EMI4615	PASS
Radiated measurement / Thread / High channel / 1 GHz to 18 GHz / Position 2	1GHz-18GHz	15.209	EMI4616	PASS
Radiated measurement / Thread / High channel / 1 GHz to 18 GHz / Position 3	1GHz-18GHz	15.209	EMI4617	PASS
Radiated measurement / Thread / High channel / 1 GHz to 18 GHz / Position 4	1GHz-18GHz	15.209	EMI4618	PASS
Radiated measurement / Thread / High channel / 1 GHz to 18 GHz / Position 5	1GHz-18GHz	15.209	EMI4619	PASS
Radiated measurement / Thread / High channel / 1 GHz to 18 GHz / Position 6	1GHz-18GHz	15.209	EMI4620	PASS
Radiated measurement / Thread / Low channel / 18 GHz to 26.5 GHz / Position 1	18GHz-26.5GHz	15.209	EMI4730	PASS
Radiated measurement / Thread / Low channel / 18 GHz to 26.5 GHz / Position 2	18GHz-26.5GHz	15.209	EMI4743	PASS
Radiated measurement / Thread / Low channel / 18 GHz to 26.5 GHz / Position 3	18GHz-26.5GHz	15.209	EMI4756	PASS
Radiated measurement / Thread / Low channel / 18 GHz to 26.5 GHz / Position 4	18GHz-26.5GHz	15.209	EMI4769	PASS
Radiated measurement / Thread / Low channel / 18 GHz to 26.5 GHz / Position 5	18GHz-26.5GHz	15.209	EMI4795	PASS
Radiated measurement / Thread / Low channel / 18 GHz to 26.5 GHz / Position 6	18GHz-26.5GHz	15.209	EMI4782	PASS
Radiated measurement / Thread / Mid channel / 18 GHz to 26.5 GHz / Position 1	18GHz-26.5GHz	15.209	EMI4731	PASS
Radiated measurement / Thread / Mid channel / 18 GHz to 26.5 GHz / Position 2	18GHz-26.5GHz	15.209	EMI4744	PASS
Radiated measurement / Thread / Mid channel / 18 GHz to 26.5 GHz / Position 3	18GHz-26.5GHz	15.209	EMI4757	PASS

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
Radiated measurement / Thread / Mid channel / 18 GHz to 26.5 GHz / Position 4	18GHz-26.5GHz	15.209	EMI4770	PASS
Radiated measurement / Thread / Mid channel / 18 GHz to 26.5 GHz / Position 5	18GHz-26.5GHz	15.209	EMI4796	PASS
Radiated measurement / Thread / Mid channel / 18 GHz to 26.5 GHz / Position 6	18GHz-26.5GHz	15.209	EMI4783	PASS
Radiated measurement / Thread / High channel / 18 GHz to 26.5 GHz / Position 1	18GHz-26.5GHz	15.209	EMI4732	PASS
Radiated measurement / Thread / High channel / 18 GHz to 26.5 GHz / Position 2	18GHz-26.5GHz	15.209	EMI4745	PASS
Radiated measurement / Thread / High channel / 18 GHz to 26.5 GHz / Position 3	18GHz-26.5GHz	15.209	EMI4758	PASS
Radiated measurement / Thread / High channel / 18 GHz to 26.5 GHz / Position 4	18GHz-26.5GHz	15.209	EMI4771	PASS
Radiated measurement / Thread / High channel / 18 GHz to 26.5 GHz / Position 5	18GHz-26.5GHz	15.209	EMI4797	PASS
Radiated measurement / Thread / High channel / 18 GHz to 26.5 GHz / Position 6	18GHz-26.5GHz	15.209	EMI4784	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: From 9 kHz to 30 MHz, the limit indicated on graphs is calculated with 40 dB/decade extrapolation factor and 51.5 dB conversion factor. From 30 MHz to 1 GHz in restricted bands, quasi-peak limit provided is the limit given in §15.209. Above 1 GHz in restricted bands , average limit provided is the limit given in §15.209. For radiated emissions which don't fall in the restricted bands, the limit is 20 dB under carrier emission level at 3 meter without quasi-peak or averaging. From 18 GHz to 26.5 GHz, in order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.		

TEST EQUIPMENT USED – 9 KHZ TO 30 MHZ					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Rohde & Schwarz	HFH2-Z2	5825	17/08/2022	17/04/2025
Cable	SUCOFLEX	N-3m	14378	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-6,5m	14380	17/08/2023	17/10/2025
Cable	Techniwave	N-8m	18349	17/08/2023	17/10/2025
Receiver	Rohde & Schwarz	ESW8	19536	02/05/2024	02/07/2025
Shielded enclosure	COMTEST	SAC 3m	14494	08/08/2023	08/10/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H1	7562	28/09/2023	28/11/2025
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

TEST EQUIPMENT USED – 30 MHZ TO 26 GHZ					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS-Lindgren	3117	5456	09/09/2022	09/11/2025

CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS lindgren	3142E	14523	27/01/2022	27/03/2025
Antenna	ETS lindgren	3160-09	14690	17/01/2024	17/03/2027
Antenna	AARONIA	Powerlog 70180	15306	04/01/2023	04/03/2026
Cable	JYE BAO	K30K30-5003-40G1	14887	30/01/2024	30/03/2026
Cable	Huber + Suhner	K-5m	14459	20/01/2022	20/03/2025
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	cables and connectors	N-1.5m	4203	03/03/2023	03/05/2025
Cable	/	N-1m	3625	02/05/2023	02/07/2025
Cable	Techniwave	N-2.5m	18350	17/08/2023	17/10/2025
Cable	Techniwave	N-3.5m	18352	17/08/2023	17/10/2025
Cable	Techniwave	N-3.5m	18354	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-3m	14378	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-3m	14379	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-5,5m	14381	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-6,5m	14380	17/08/2023	17/10/2025
Cable	Techniwave	N-8m	18349	17/08/2023	17/10/2025
Filter	Micro-Tronics	HPM 11630	4392	20/10/2023	20/12/2026
Filter	Micro-Tronics	HPM15162	16973	26/06/2023	26/08/2026
Filter	Micro-Tronics	HPM15162	19385	25/03/2024	25/05/2026
Filter	Micro-Tronics	HPM18865	12843	03/12/2024	03/02/2028
Filter	Wainwright Instruments	WRCGV 2402/2480- 2380/2500- 40/10EE-200W	9771	28/09/2023	28/11/2026
Preamplifier	Techniwave	APS16-0087	14040	15/07/2024	15/09/2025
Preamplifier	Wright Technologie	ASL40-B3015	14851	30/01/2024	30/03/2026
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
Receiver	Rohde & Schwarz	FSW43	14830 ⁽¹⁾	31/08/2022	31/04/2025
Shielded enclosure	RAY PROOF	C.V2	1423	10/08/2023	10/10/2026
Shielded enclosure	COMTEST	C.V4	18014	05/11/2024	05/01/2028
Shielded enclosure	COMTEST	SAC 3m	14494	08/08/2023	08/10/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H1	7561	17/12/2024	17/02/2026
Thermohygrometer	Testo	608-H1	7562	28/09/2023	28/11/2025
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

(1) Under derogation EQSDER000S4100139

TEST SETUP PHOTO(S) – EUT POSITION 1



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) – 9 KHZ TO 30 MHZ



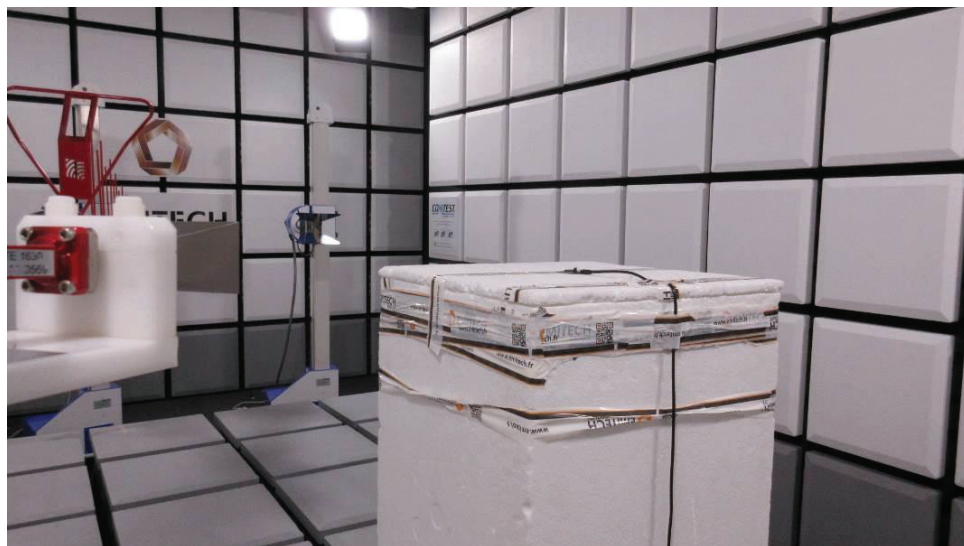
TEST SETUP PHOTO(S) – 30 MHZ TO 1 GHZ



TEST SETUP PHOTO(S) – 1 GHz TO 18 GHz



TEST SETUP PHOTO(S) – 18 GHz TO 26 GHz



RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / 0°						EMI4799	
FREQUENCY (MHz)	PEAK LEVEL (dBµV/m)	AVERAGE LEVEL (dBµV/m)	AVERAGE LIMIT (dBµV/m)	AVERAGE MARGIN (dB)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	QPEAK MARGIN (dB)
0.101	-13.03	N/P	56.06	-69.09	N/A	N/A	N/A
0.133	-19.94	N/P	53.60	-73.53	N/A	N/A	N/A
0.482	-3.60	N/P	42.45	-46.05	N/A	N/A	N/A
0.964	-11.99	N/A	N/A	N/A	N/P	-28.42	-32.36
Comments:		No more spurious emissions detected.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / 45°						EMI4800	
FREQUENCY (MHz)	PEAK LEVEL (dBµV/m)	AVERAGE LEVEL (dBµV/m)	AVERAGE LIMIT (dBµV/m)	AVERAGE MARGIN (dB)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	QPEAK MARGIN (dB)
0.099	-15.46	N/P	56.19	-71.65	N/A	N/A	N/A
0.117	-19.90	N/P	54.77	-74.67	N/A	N/A	N/A
0.483	-4.07	N/P	42.43	-46.49	N/A	N/A	N/A
0.960	-13.19	N/A	N/A	N/A	N/P	-29.65	-32.36
Comments:		No more spurious emissions detected.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / 90°						EMI4801	
FREQUENCY (MHz)	PEAK LEVEL (dBµV/m)	AVERAGE LEVEL (dBµV/m)	AVERAGE LIMIT (dBµV/m)	AVERAGE MARGIN (dB)	QPEAK LEVEL (dBµV/m)	QPEAK LIMIT (dBµV/m)	QPEAK MARGIN (dB)
0.093	-18.04	N/P	56.75	-74.78	N/A	N/A	N/A
0.099	-13.78	N/P	56.22	-69.99	N/A	N/A	N/A
0.483	-7.73	N/P	42.43	-50.16	N/A	N/A	N/A
0.964	-14.74	N/A	N/A	N/A	N/P	-31.17	-32.36
Comments:		No more spurious emissions detected.					

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 30 MHz TO 1 GHz / POSITION 1					EMI4561
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
67.540	Vertical	30.25	N/P	40	-9.75
68.025	Vertical	32.42	N/P	40	-7.58
69.804	Vertical	31.33	N/P	40	-8.67
72.617	Vertical	25.43	N/P	40	-14.57
400.488	Vertical	30.97	N/P	46	-15.03
443.880	Vertical	32.41	N/P	46	-13.59
68.252	Horizontal	28.14	N/P	40	-11.86
69.868	Horizontal	29.87	N/P	40	-10.13
401.005	Horizontal	35.48	N/P	46	-10.52
405.500	Horizontal	33.75	N/P	46	-12.25
443.945	Horizontal	34.99	N/P	46	-11.01
455.909	Horizontal	35.28	N/P	46	-10.72
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 30 MHz TO 1 GHz / POSITION 2					EMI4562
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
68.090	Vertical	33.21	N/P	40	-6.79
69.965	Vertical	31.51	N/P	40	-8.49
72.617	Vertical	26.46	N/P	40	-13.54
310.372	Vertical	33.42	N/P	46	-12.58
443.977	Vertical	31.98	N/P	46	-14.02
456.006	Vertical	30.68	N/P	46	-15.32
70.612	Horizontal	29.74	N/P	40	-10.26
397.384	Horizontal	34.26	N/P	46	-11.74
397.869	Horizontal	35.83	N/P	46	-10.17
400.423	Horizontal	34.59	N/P	46	-11.41
443.913	Horizontal	36.31	N/P	46	-9.69
456.038	Horizontal	36.77	N/P	46	-9.23
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 30 MHz TO 1 GHz / POSITION 3					EMI4563
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
68.090	Vertical	29.09	N/P	40	-10.91
70.418	Vertical	30.46	N/P	40	-9.54
72.617	Vertical	26.06	N/P	40	-13.94
400.908	Vertical	33.63	N/P	46	-12.37
401.652	Vertical	32.49	N/P	46	-13.51
444.010	Vertical	31.78	N/P	46	-14.22
68.219	Horizontal	26.41	N/P	40	-13.59
70.321	Horizontal	28.45	N/P	40	-11.55
443.945	Horizontal	35.95	N/P	46	-10.05
456.038	Horizontal	35.19	N/P	46	-10.81
468.034	Horizontal	34.87	N/P	46	-11.13
479.998	Horizontal	33.12	N/P	46	-12.88
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 30 MHz TO 1 GHz / POSITION 1					EMI4565
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
67.573	Vertical	28.83	N/P	40	-11.17
68.219	Vertical	30.01	N/P	40	-9.99
70.127	Vertical	31.56	N/P	40	-8.44
456.038	Vertical	31.48	N/P	46	-14.52
496.941	Vertical	32.56	N/P	46	-13.44
528.047	Vertical	32.41	N/P	46	-13.59
68.090	Horizontal	29.21	N/P	40	-10.79
69.804	Horizontal	30.63	N/P	40	-9.37
396.252	Horizontal	35.99	N/P	46	-10.01
396.963	Horizontal	36.22	N/P	46	-9.78
443.977	Horizontal	34.66	N/P	46	-11.34
456.006	Horizontal	34.88	N/P	46	-11.12
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 30 MHz TO 1 GHz / POSITION 2					EMI4566
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
67.573	Vertical	27.37	N/P	40	-12.63
68.025	Vertical	32.53	N/P	40	-7.47
70.321	Vertical	31.95	N/P	40	-8.05
72.617	Vertical	27.28	N/P	40	-12.72
444.074	Vertical	31.88	N/P	46	-14.12
455.974	Vertical	31.86	N/P	46	-14.14
68.381	Horizontal	27.09	N/P	40	-12.91
70.192	Horizontal	30.00	N/P	40	-10.00
398.354	Horizontal	32.93	N/P	46	-13.07
443.945	Horizontal	35.34	N/P	46	-10.66
455.974	Horizontal	36.13	N/P	46	-9.87
468.034	Horizontal	32.59	N/P	46	-13.41
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 30 MHz TO 1 GHz / POSITION 3					EMI4567
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
68.155	Vertical	28.60	N/P	40	-11.40
69.804	Vertical	29.54	N/P	40	-10.46
72.681	Vertical	25.66	N/P	40	-14.34
398.321	Vertical	30.73	N/P	46	-15.27
444.042	Vertical	32.89	N/P	46	-13.11
456.038	Vertical	31.58	N/P	46	-14.42
70.321	Horizontal	28.96	N/P	40	-11.04
397.287	Horizontal	34.45	N/P	46	-11.55
401.910	Horizontal	35.10	N/P	46	-10.90
443.977	Horizontal	36.55	N/P	46	-9.45
456.038	Horizontal	35.27	N/P	46	-10.73
479.998	Horizontal	34.03	N/P	46	-11.97
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 30 MHz TO 1 GHz / POSITION 1					EMI4569
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
68.122	Vertical	30.97	N/P	40	-9.03
69.804	Vertical	32.29	N/P	40	-7.71
398.289	Vertical	35.08	N/P	46	-10.92
443.977	Vertical	31.79	N/P	46	-14.21
456.038	Vertical	30.61	N/P	46	-15.39
540.075	Vertical	31.55	N/P	46	-14.45
68.187	Horizontal	27.73	N/P	40	-12.27
70.547	Horizontal	30.11	N/P	40	-9.89
399.744	Horizontal	33.73	N/P	46	-12.27
444.042	Horizontal	35.86	N/P	46	-10.14
456.006	Horizontal	35.87	N/P	46	-10.13
480.030	Horizontal	33.49	N/P	46	-12.51
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 30 MHz TO 1 GHz / POSITION 2					EMI4570
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
68.058	Vertical	31.86	N/P	40	-8.14
70.353	Vertical	31.92	N/P	40	-8.08
72.617	Vertical	27.37	N/P	40	-12.63
399.744	Vertical	32.38	N/P	46	-13.62
443.913	Vertical	31.24	N/P	46	-14.76
539.946	Vertical	30.52	N/P	46	-15.48
69.998	Horizontal	31.57	N/P	40	-8.43
402.234	Horizontal	36.01	N/P	46	-9.99
431.949	Horizontal	33.86	N/P	46	-12.14
443.913	Horizontal	36.79	N/P	46	-9.21
456.006	Horizontal	36.00	N/P	46	-10.00
539.978	Horizontal	33.19	N/P	46	-12.81
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS					
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 30 MHz TO 1 GHz / POSITION 3					EMI4571
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	QPEAK MARGIN (dB)
67.637	Vertical	28.89	N/P	40	-11.11
68.025	Vertical	33.73	N/P	40	-6.27
70.289	Vertical	32.42	N/P	40	-7.58
379.891	Vertical	32.13	N/P	46	-13.87
398.321	Vertical	31.89	N/P	46	-14.11
444.042	Vertical	32.73	N/P	46	-13.27
68.122	Horizontal	27.55	N/P	40	-12.45
70.547	Horizontal	30.68	N/P	40	-9.32
398.321	Horizontal	35.78	N/P	46	-10.22
431.981	Horizontal	33.50	N/P	46	-12.50
443.977	Horizontal	36.12	N/P	46	-9.88
456.103	Horizontal	35.26	N/P	46	-10.74
COMMENT:	When margin between peak measurements and QPeak limit is greater than 6dB, no QPeak measurements were performed.				

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 1 GHz TO 18 GHz / POSITION 1						EMI4601	
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)
1000.27	Vertical	45.68	74	-28.32	N/P	54	N/P
1001.07	Vertical	44.75	74	-29.25	N/P	54	N/P
1598.04	Vertical	43.28	74	-30.72	N/P	54	N/P
3187.01	Vertical	48.10	87.96	-39.86	N/A	N/A	N/A
5325.16	Vertical	45.26	87.96	-42.70	N/A	N/A	N/A
5999.20	Vertical	53.13	87.96	-34.83	N/A	N/A	N/A
4767.12	Horizontal	44.52	74	-29.48	N/P	54	N/P
4900.13	Horizontal	44.61	74	-29.39	N/P	54	N/P
5183.15	Horizontal	44.66	87.96	-43.30	N/A	N/A	N/A
5484.17	Horizontal	45.41	87.96	-42.55	N/A	N/A	N/A
5589.17	Horizontal	45.16	87.96	-42.80	N/A	N/A	N/A
6000.20	Horizontal	49.48	87.96	-38.48	N/A	N/A	N/A
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.						

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 1 GHz TO 18 GHz / POSITION 2						EMI4602	
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)
1006.67	Vertical	46.23	74	-27.77	N/P	54	N/P
1197.75	Vertical	45.39	74	-28.61	N/P	54	N/P
4797.12	Vertical	45.02	74	-28.98	N/P	54	N/P
5283.15	Vertical	44.46	87.96	-43.50	N/A	N/A	N/A
5606.17	Vertical	44.73	87.96	-43.23	N/A	N/A	N/A
6000.20	Vertical	49.95	87.96	-38.01	N/A	N/A	N/A
2525.44	Horizontal	41.24	74	-32.76	N/P	54	N/P
2564.64	Horizontal	43.09	74	-30.91	N/P	54	N/P
4307.09	Horizontal	43.52	74	-30.48	N/P	54	N/P
4537.10	Horizontal	43.46	74	-30.54	N/P	54	N/P
5525.17	Horizontal	44.97	87.96	-42.99	N/A	N/A	N/A
6084.21	Horizontal	45.05	87.96	-42.91	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 1 GHz TO 18 GHz / POSITION 3						EMI4603	
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)
1000.53	Vertical	45.32	74	-28.68	N/P	54	N/P
1002.93	Vertical	45.14	74	-28.86	N/P	54	N/P
1004.80	Vertical	44.76	74	-29.24	N/P	54	N/P
1199.75	Vertical	45.38	74	-28.62	N/P	54	N/P
3185.01	Vertical	48.84	87.96	-39.12	N/A	N/A	N/A
5999.20	Vertical	48.47	87.96	-39.49	N/A	N/A	N/A
1199.48	Horizontal	42.36	74	-31.64	N/P	54	N/P
1593.91	Horizontal	42.57	74	-31.43	N/P	54	N/P
2393.29	Horizontal	40.11	74	-33.89	N/P	54	N/P
2564.77	Horizontal	41.77	74	-32.23	N/P	54	N/P
2993.73	Horizontal	40.37	74	-33.63	N/P	54	N/P
5999.20	Horizontal	48.35	87.96	-39.61	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 1 GHz TO 18 GHz / POSITION 4						EMI4604	
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)
1001.47	Vertical	45.79	74	-28.21	N/P	54	N/P
1002.67	Vertical	45.14	74	-28.86	N/P	54	N/P
1200.81	Vertical	44.67	74	-29.33	N/P	54	N/P
3188.01	Vertical	48.45	74	-25.55	N/P	54	N/P
4790.12	Vertical	44.81	74	-29.19	N/P	54	N/P
6000.20	Vertical	50.16	87.96	-37.80	N/A	N/A	N/A
1196.28	Horizontal	42.14	74	-31.86	N/P	54	N/P
1593.37	Horizontal	43.49	74	-30.51	N/P	54	N/P
1599.24	Horizontal	43.91	74	-30.09	N/P	54	N/P
5117.14	Horizontal	44.46	87.96	-43.50	N/A	N/A	N/A
5482.17	Horizontal	44.81	87.96	-43.15	N/A	N/A	N/A
5999.20	Horizontal	44.92	87.96	-43.04	N/A	N/A	N/A
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.						

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 1 GHz TO 18 GHz / POSITION 5						EMI4605	
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)
1000.40	Vertical	46.83	74	-27.17	N/P	54	N/P
1001.07	Vertical	44.82	74	-29.18	N/P	54	N/P
1001.60	Vertical	44.54	74	-29.46	N/P	54	N/P
1197.48	Vertical	44.81	74	-29.19	N/P	54	N/P
1201.61	Vertical	44.42	74	-29.58	N/P	54	N/P
6000.20	Vertical	46.96	87.96	-41.00	N/A	N/A	N/A
1194.28	Horizontal	42.80	74	-31.20	N/P	54	N/P
2564.64	Horizontal	42.14	74	-31.86	N/P	54	N/P
4280.09	Horizontal	42.88	74	-31.12	N/P	54	N/P
5452.16	Horizontal	44.25	87.96	-43.71	N/A	N/A	N/A
5704.18	Horizontal	44.26	87.96	-43.70	N/A	N/A	N/A
5999.20	Horizontal	46.03	87.96	-41.93	N/A	N/A	N/A
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.						

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 1 GHz TO 18 GHz / POSITION 6						EMI4606	
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)
1002.53	Vertical	44.69	74	-29.31	N/P	54	N/P
1195.61	Vertical	44.48	74	-29.52	N/P	54	N/P
1197.08	Vertical	44.72	74	-29.28	N/P	54	N/P
5427.16	Vertical	44.44	87.96	-43.52	N/A	N/A	N/A
5562.17	Vertical	44.58	87.96	-43.38	N/A	N/A	N/A
5999.20	Vertical	51.40	87.96	-36.56	N/A	N/A	N/A
1201.88	Horizontal	42.42	74	-31.58	N/P	54	N/P
2521.57	Horizontal	43.44	74	-30.56	N/P	54	N/P
2527.30	Horizontal	42.65	74	-31.35	N/P	54	N/P
4884.13	Horizontal	43.72	74	-30.28	N/P	54	N/P
5169.14	Horizontal	44.37	87.96	-43.59	N/A	N/A	N/A
5587.17	Horizontal	43.79	87.96	-44.17	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 1 GHz TO 18 GHz / POSITION 1						EMI4608	
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)
1194.55	Vertical	44.23	74	-29.77	N/P	54	N/P
1200.81	Vertical	44.49	74	-29.51	N/P	54	N/P
1201.48	Vertical	44.78	74	-29.22	N/P	54	N/P
2530.10	Vertical	46.23	74	-27.77	N/P	54	N/P
3192.01	Vertical	47.12	87.73	-40.61	N/A	N/A	N/A
3198.01	Vertical	47.17	87.73	-40.56	N/A	N/A	N/A
1123.47	Horizontal	40.23	74	-33.77	N/P	54	N/P
1597.77	Horizontal	44.40	74	-29.60	N/P	54	N/P
2579.44	Horizontal	40.36	74	-33.64	N/P	54	N/P
2955.20	Horizontal	40.87	87.73	-46.78	N/A	N/A	N/A
3271.02	Horizontal	40.12	87.73	-47.61	N/A	N/A	N/A
3326.02	Horizontal	41.22	87.73	-46.51	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 1 GHz TO 18 GHz / POSITION 2						EMI4609	
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)
1000.00	Vertical	45.43	74	-28.57	N/P	54	N/P
1032.00	Vertical	45.12	74	-28.88	N/P	54	N/P
1196.01	Vertical	45.71	74	-28.29	N/P	54	N/P
1196.95	Vertical	46.04	74	-27.96	N/P	54	N/P
4793.12	Vertical	45.77	74	-28.23	N/P	54	N/P
6000.20	Vertical	49.40	87.73	-38.33	N/A	N/A	N/A
5470.16	Horizontal	43.88	87.73	-45.85	N/A	N/A	N/A
5559.17	Horizontal	44.12	87.73	-43.61	N/A	N/A	N/A
5831.19	Horizontal	44.28	87.73	-43.45	N/A	N/A	N/A
5841.19	Horizontal	43.72	87.73	-44.01	N/A	N/A	N/A
5929.20	Horizontal	43.76	87.73	-43.97	N/A	N/A	N/A
6000.20	Horizontal	46.52	87.73	-41.21	N/A	N/A	N/A
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.						

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 1 GHz TO 18 GHz / POSITION 3						EMI4610	
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)
1000.27	Vertical	44.33	74	-29.67	N/P	54	N/P
1198.55	Vertical	45.21	74	-28.79	N/P	54	N/P
4790.12	Vertical	44.90	74	-29.10	N/P	54	N/P
4799.12	Vertical	47.25	74	-26.75	N/P	54	N/P
5999.2	Vertical	50.08	87.73	-37.65	N/A	N/A	N/A
6964.26	Vertical	46.04	87.73	-41.69	N/A	N/A	N/A
3186.01	Horizontal	44.05	87.73	-43.68	N/A	N/A	N/A
4774.12	Horizontal	43.49	74	-30.51	N/P	54	N/P
5854.19	Horizontal	43.87	87.73	-43.86	N/A	N/A	N/A
5999.2	Horizontal	45.36	87.73	-42.37	N/A	N/A	N/A
6420.23	Horizontal	44.76	87.73	-42.97	N/A	N/A	N/A
6825.26	Horizontal	46.34	87.73	-41.39	N/A	N/A	N/A
Comments:	When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.						

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 1 GHz TO 18 GHz / POSITION 4						EMI4611	
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)
1597.77	Vertical	44.84	74	-29.16	N/P	54	N/P
3199.01	Vertical	46.41	74	-27.59	N/P	54	N/P
4785.12	Vertical	45.98	74	-28.02	N/P	54	N/P
5269.15	Vertical	44.88	74	-29.12	N/P	54	N/P
5681.18	Vertical	44.32	87.73	-43.41	N/A	N/A	N/A
5999.20	Vertical	51.19	87.73	-36.54	N/A	N/A	N/A
1198.01	Horizontal	45.54	74	-28.46	N/P	54	N/P
1200.95	Horizontal	42.13	74	-31.87	N/P	54	N/P
2500.63	Horizontal	41.66	74	-32.34	N/P	54	N/P
4251.08	Horizontal	42.92	74	-31.08	N/P	54	N/P
6000.20	Horizontal	45.76	87.73	-41.97	N/A	N/A	N/A
6274.22	Horizontal	44.20	87.73	-43.53	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 1 GHz TO 18 GHz / POSITION 5						EMI4612	
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)
1004.80	Vertical	43.48	74	-30.52	N/P	54	N/P
1592.84	Vertical	43.64	74	-30.36	N/P	54	N/P
1594.97	Vertical	42.80	74	-31.20	N/P	54	N/P
2540.50	Vertical	42.77	74	-31.23	N/P	54	N/P
4399.09	Vertical	43.81	74	-30.19	N/P	54	N/P
6000.20	Vertical	51.32	87.73	-36.41	N/A	N/A	N/A
3193.01	Horizontal	48.07	74	-25.93	N/P	54	N/P
4796.12	Horizontal	46.07	74	-27.93	N/P	54	N/P
5679.18	Horizontal	44.68	87.73	-43.05	N/A	N/A	N/A
6000.20	Horizontal	48.72	87.73	-39.01	N/A	N/A	N/A
6077.21	Horizontal	44.70	87.73	-43.03	N/A	N/A	N/A
6220.21	Horizontal	44.53	87.73	-43.20	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 1 GHz TO 18 GHz / POSITION 6						EMI4613	
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)
1000.27	Vertical	43.99	74	-30.01	N/P	54	N/P
1001.60	Vertical	44.87	74	-29.13	N/P	54	N/P
1004.40	Vertical	43.54	74	-30.46	N/P	54	N/P
1195.08	Vertical	45.58	74	-28.42	N/P	54	N/P
1196.41	Vertical	43.90	74	-30.10	N/P	54	N/P
6000.20	Vertical	49.17	87.73	-38.56	N/A	N/A	N/A
1001.20	Horizontal	42.40	74	-31.60	N/P	54	N/P
1194.95	Horizontal	41.55	74	-32.45	N/P	54	N/P
1594.04	Horizontal	42.67	74	-31.33	N/P	54	N/P
1598.71	Horizontal	42.52	74	-31.48	N/P	54	N/P
3238.02	Horizontal	41.53	87.73	-46.20	N/A	N/A	N/A
6415.23	Horizontal	44.67	87.73	-43.06	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 1 GHz TO 18 GHz / POSITION 1						EMI4615	
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)
2526.24	Vertical	48.81	74	-25.19	N/P	54	N/P
3198.01	Vertical	46.53	74	-27.47	N/P	54	N/P
6000.20	Vertical	49.6	74	-24.4	N/P	54	N/P
8364.36	Vertical	46.61	74	-27.39	N/P	54	N/P
8984.40	Vertical	47.70	74	-26.30	N/P	54	N/P
9997.47	Vertical	47.98	74	-26.02	N/P	54	N/P
6000.20	Horizontal	45.29	74	-28.71	N/P	54	N/P
6644.24	Horizontal	45.31	74	-28.69	N/P	54	N/P
7559.30	Horizontal	45.65	74	-28.35	N/P	54	N/P
7770.32	Horizontal	46.01	74	-27.99	N/P	54	N/P
8271.35	Horizontal	47.05	74	-26.95	N/P	54	N/P
9306.42	Horizontal	48.31	74	-25.69	N/P	54	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 1 GHz TO 18 GHz / POSITION 2						EMI4616	
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)
1196.68	Vertical	45.87	74	-28.13	N/P	54	N/P
1197.61	Vertical	46.65	74	-27.35	N/P	54	N/P
2519.97	Vertical	45.36	74	-28.64	N/P	54	N/P
3193.01	Vertical	46.28	74	-27.72	N/P	54	N/P
4797.12	Vertical	47.01	74	-26.99	N/P	54	N/P
5999.20	Vertical	46.74	74	-27.26	N/P	54	N/P
1109.34	Horizontal	40.39	74	-33.61	N/P	54	N/P
1596.57	Horizontal	41.85	74	-32.15	N/P	54	N/P
3407.03	Horizontal	41.04	74	-32.96	N/P	54	N/P
3758.05	Horizontal	41.87	74	-32.13	N/P	54	N/P
3887.06	Horizontal	42.25	74	-31.75	N/P	54	N/P
5716.18	Horizontal	44.27	74	-29.73	N/P	54	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 1 GHz TO 18 GHz / POSITION 3						EMI4617	
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)
1002.67	Vertical	46.33	74	-27.67	N/P	54	N/P
2518.63	Vertical	50.55	74	-23.45	N/P	54	N/P
2523.30	Vertical	46.67	74	-27.33	N/P	54	N/P
2523.97	Vertical	47.44	74	-26.56	N/P	54	N/P
2525.04	Vertical	53.05	74	-20.95	N/P	54	N/P
5999.20	Vertical	49.82	74	-24.18	N/P	54	N/P
1000.53	Horizontal	41.77	74	-32.23	N/P	54	N/P
1005.73	Horizontal	40.83	74	-33.17	N/P	54	N/P
1598.17	Horizontal	42.16	74	-31.84	N/P	54	N/P
3419.03	Horizontal	41.35	74	-32.65	N/P	54	N/P
5024.13	Horizontal	43.44	74	-30.56	N/P	54	N/P
6000.20	Horizontal	45.78	74	-28.22	N/P	54	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 1 GHz TO 18 GHz / POSITION 4						EMI4618	
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)
1002.67	Vertical	44.02	74	-29.98	N/P	54	N/P
1202.81	Vertical	44.78	74	-29.22	N/P	54	N/P
5159.14	Vertical	43.44	74	-30.56	N/P	54	N/P
5404.16	Vertical	43.98	74	-30.02	N/P	54	N/P
5554.17	Vertical	44.48	74	-29.52	N/P	54	N/P
5999.20	Vertical	49.18	74	-24.82	N/P	54	N/P
1084.54	Horizontal	41.12	74	-32.88	N/P	54	N/P
1199.35	Horizontal	42.19	74	-31.81	N/P	54	N/P
3195.01	Horizontal	41.14	74	-32.86	N/P	54	N/P
3388.03	Horizontal	41.33	74	-32.67	N/P	54	N/P
4281.09	Horizontal	42.41	74	-31.59	N/P	54	N/P
5999.20	Horizontal	44.97	74	-29.03	N/P	54	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 1 GHz TO 18 GHz / POSITION 5						EMI4619	
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)
1002.53	Vertical	44.33	74	-29.67	N/P	54	N/P
1004.93	Vertical	45.13	74	-28.87	N/P	54	N/P
2521.97	Vertical	43.67	74	-30.33	N/P	54	N/P
2525.44	Vertical	43.66	74	-30.34	N/P	54	N/P
5999.20	Vertical	46.11	74	-27.89	N/P	54	N/P
6337.22	Vertical	44.26	74	-29.74	N/P	54	N/P
4699.11	Horizontal	43.28	74	-30.72	N/P	54	N/P
4848.12	Horizontal	43.08	74	-30.92	N/P	54	N/P
5061.14	Horizontal	43.21	74	-30.79	N/P	54	N/P
5467.16	Horizontal	43.99	74	-30.01	N/P	54	N/P
5679.18	Horizontal	44.08	74	-29.92	N/P	54	N/P
6321.22	Horizontal	44.10	74	-29.90	N/P	54	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 1 GHz TO 18 GHz / POSITION 6						EMI4620	
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)
1004.00	Vertical	46.19	74	-27.81	N/P	54	N/P
1198.81	Vertical	44.74	74	-29.26	N/P	54	N/P
2524.90	Vertical	45.36	74	-28.64	N/P	54	N/P
2525.97	Vertical	45.50	74	-28.50	N/P	54	N/P
4780.12	Vertical	44.59	74	-29.41	N/P	54	N/P
6000.20	Vertical	49.70	74	-24.30	N/P	54	N/P
1001.87	Horizontal	41.45	74	-32.55	N/P	54	N/P
1194.55	Horizontal	41.37	74	-32.63	N/P	54	N/P
1196.55	Horizontal	41.62	74	-32.38	N/P	54	N/P
1596.04	Horizontal	42.84	74	-31.16	N/P	54	N/P
4809.12	Horizontal	43.69	74	-30.31	N/P	54	N/P
6000.20	Horizontal	44.49	74	-29.51	N/P	54	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 18 GHz TO 26.5 GHz / POSITION 1						EMI4730	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 18 GHz TO 26.5 GHz / POSITION 2						EMI4743	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 18 GHz TO 26.5 GHz / POSITION 3						EMI4756	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 18 GHz TO 26.5 GHz / POSITION 4						EMI4769	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 18 GHz TO 26.5 GHz / POSITION 5						EMI4795	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / LOW CHANNEL / 18 GHz TO 26.5 GHz / POSITION 6						EMI4782	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 1						EMI4731	
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)
20178.979	Vertical	53.07	83.52	-30.45	N/P	63.52	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No more spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 2						EMI4744	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 3						EMI4757	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 4						EMI4770	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 5						EMI4796	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / MID CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 6						EMI4783	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 1						EMI4732	
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)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

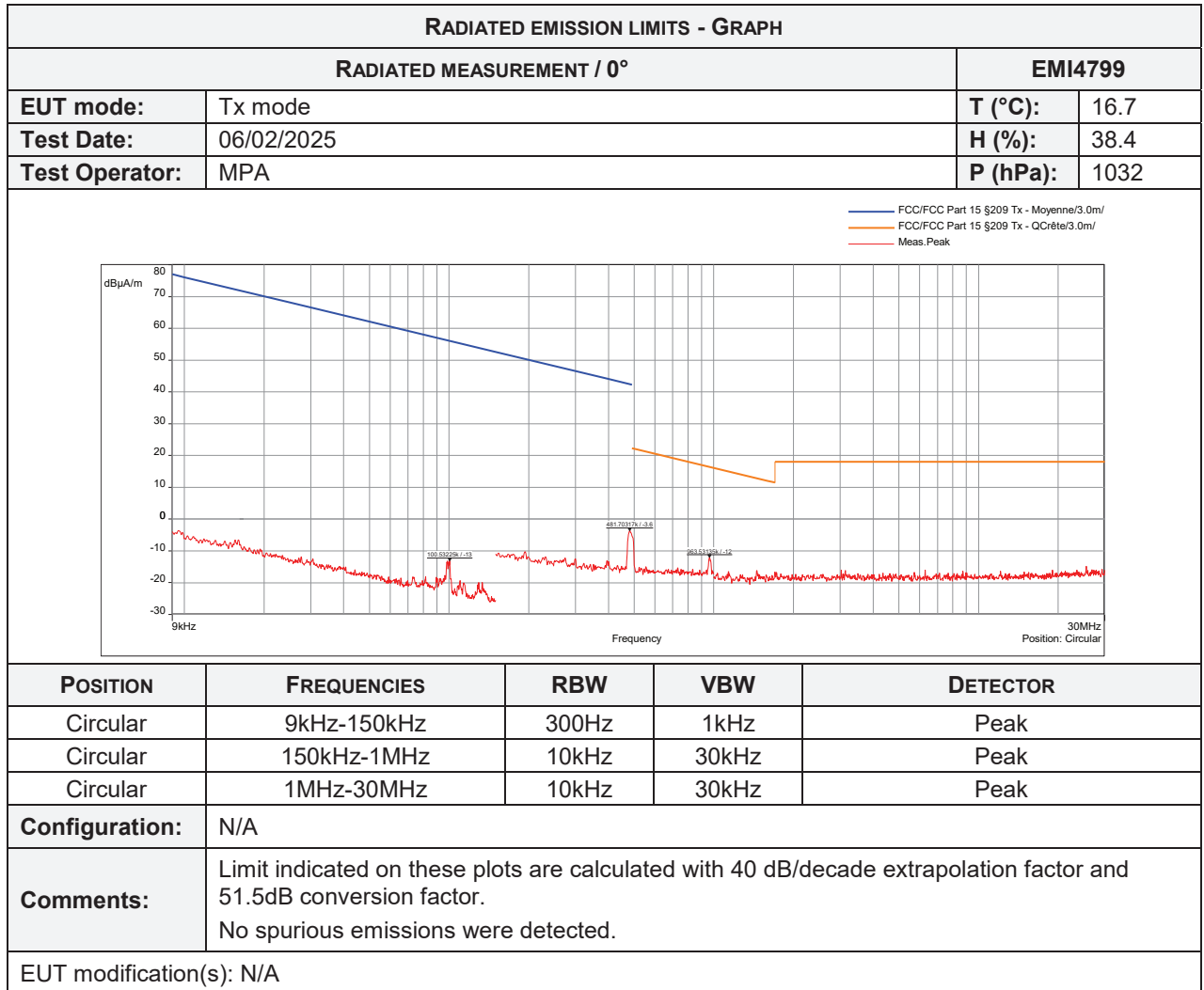
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 18 GHZ TO 26.5 GHZ / POSITION 2						EMI4745	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

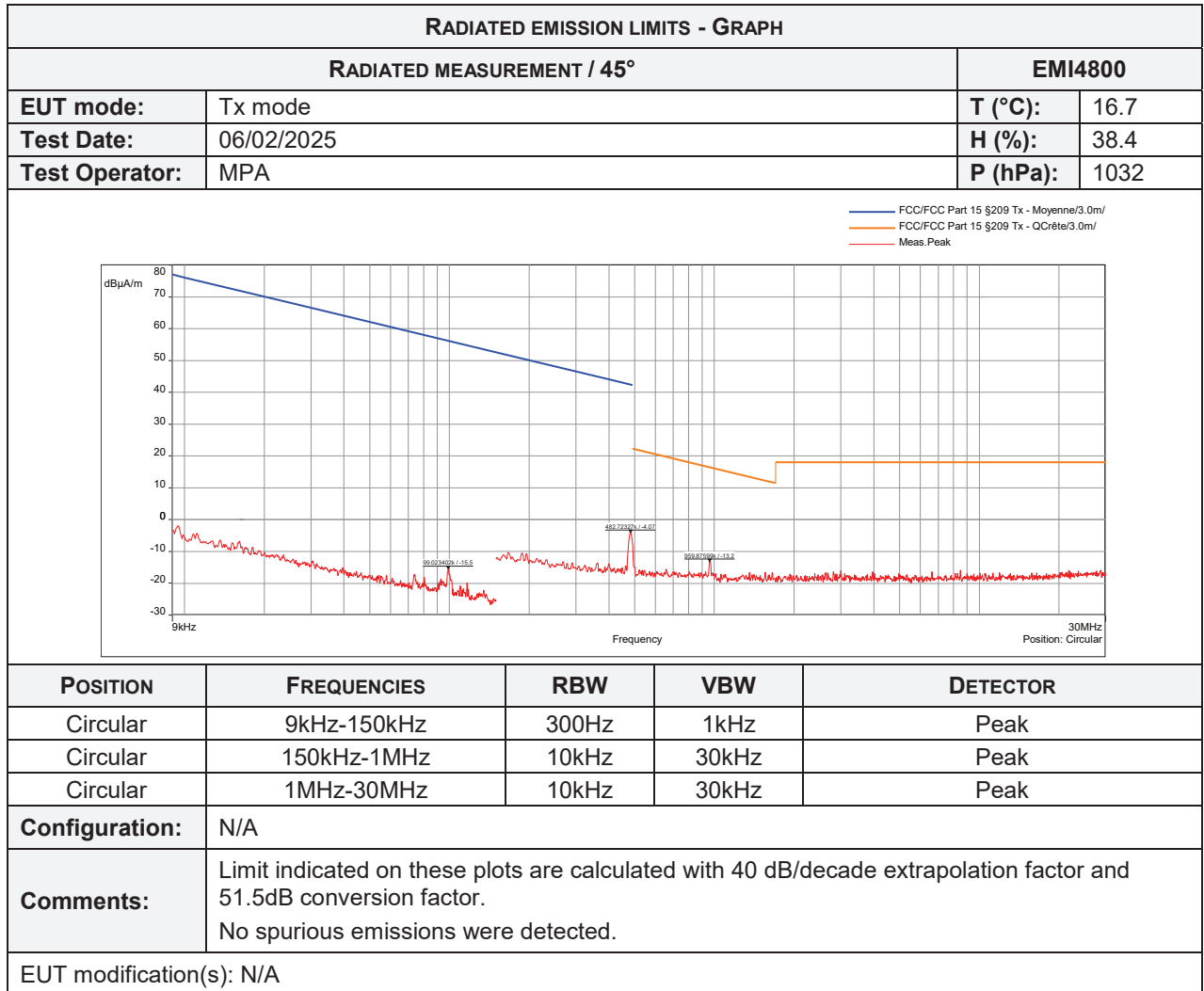
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 18 GHz TO 26.5 GHz / POSITION 3						EMI4758	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

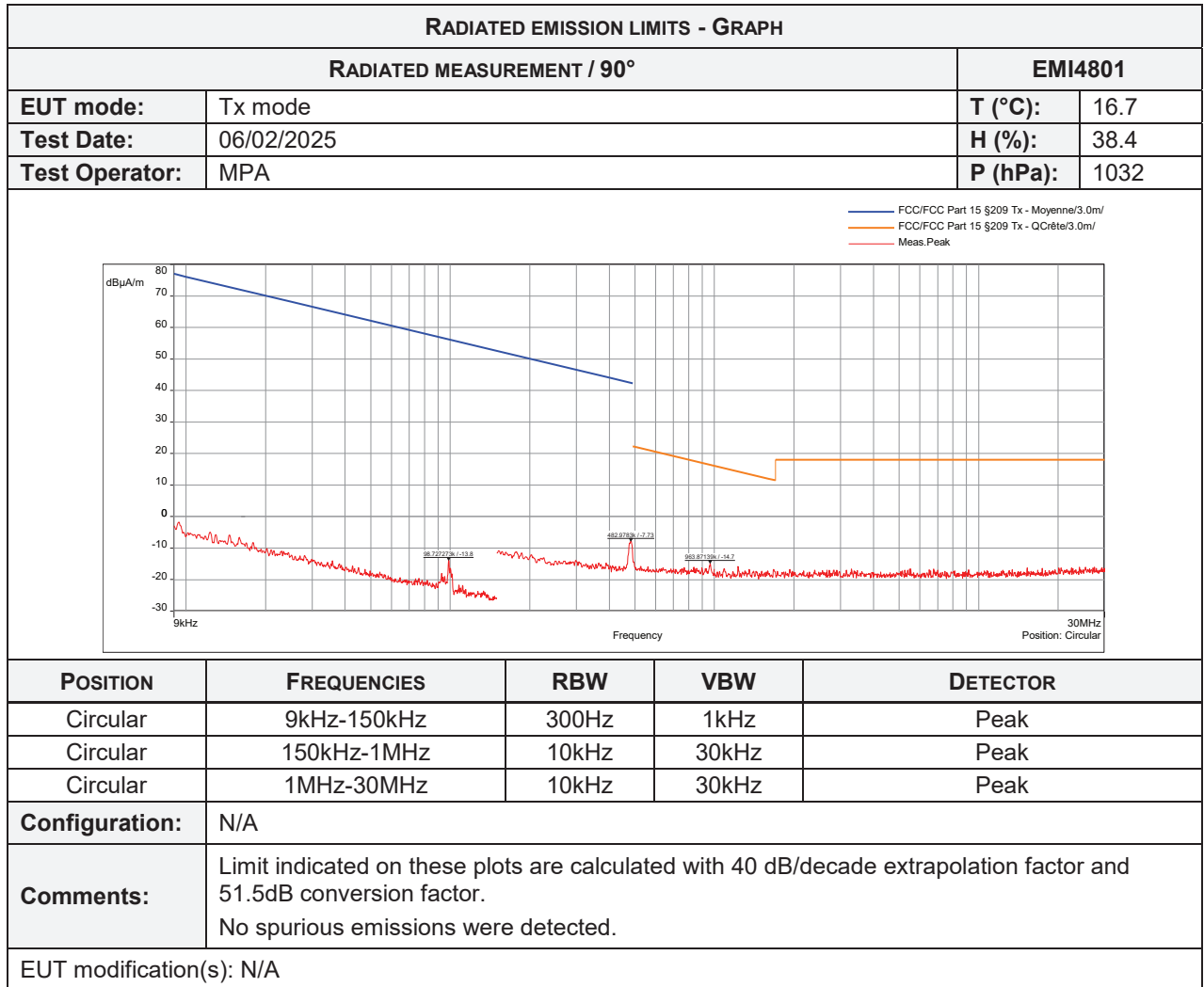
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 18 GHz TO 26.5 GHz / POSITION 4						EMI4771	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

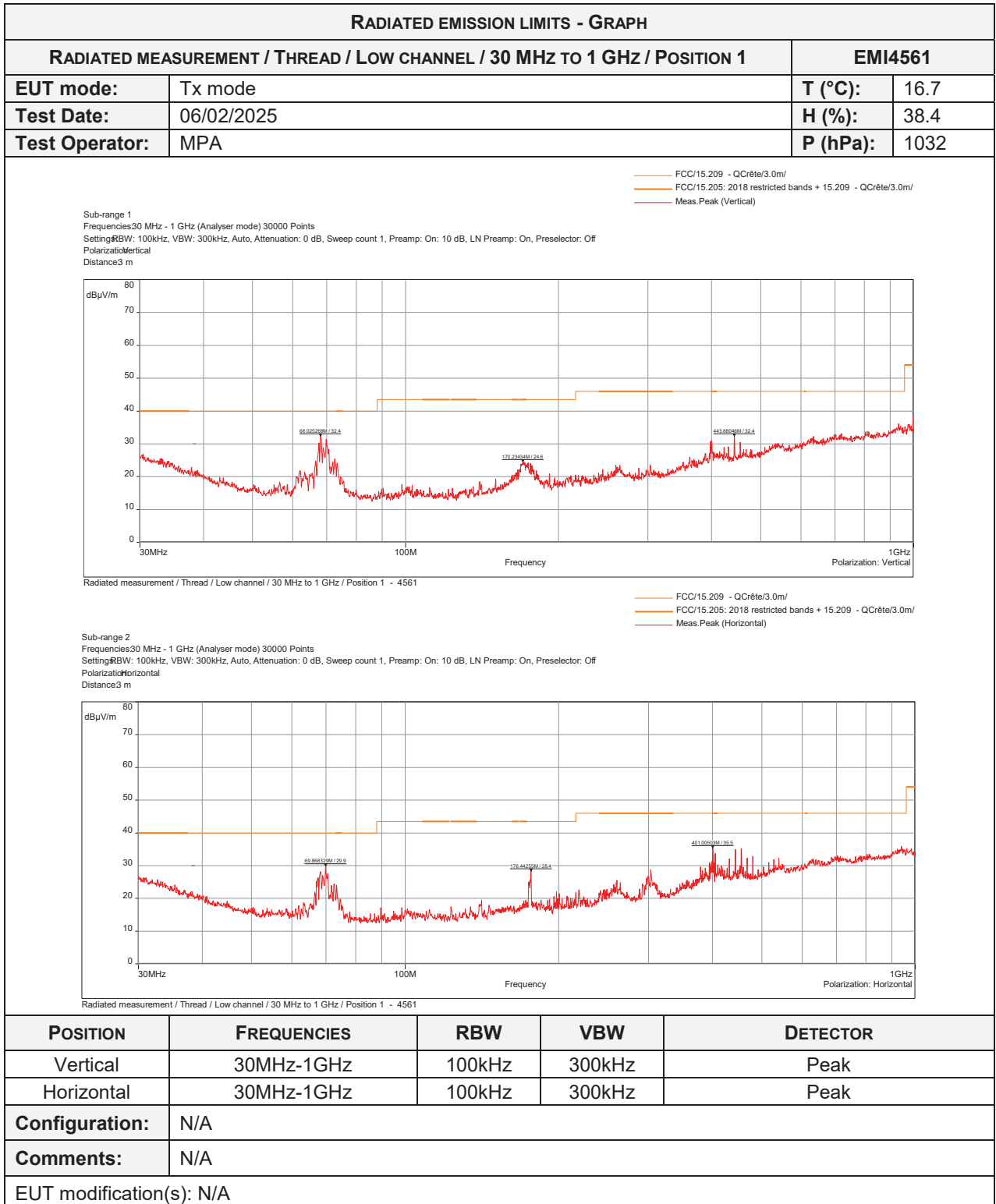
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 18 GHz TO 26.5 GHz / POSITION 5						EMI4797	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	PEAK LIMIT (dBμV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBμV/m)	AVERAGE LIMIT (dBμV/m)	AVERAGE MARGIN (dB)
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

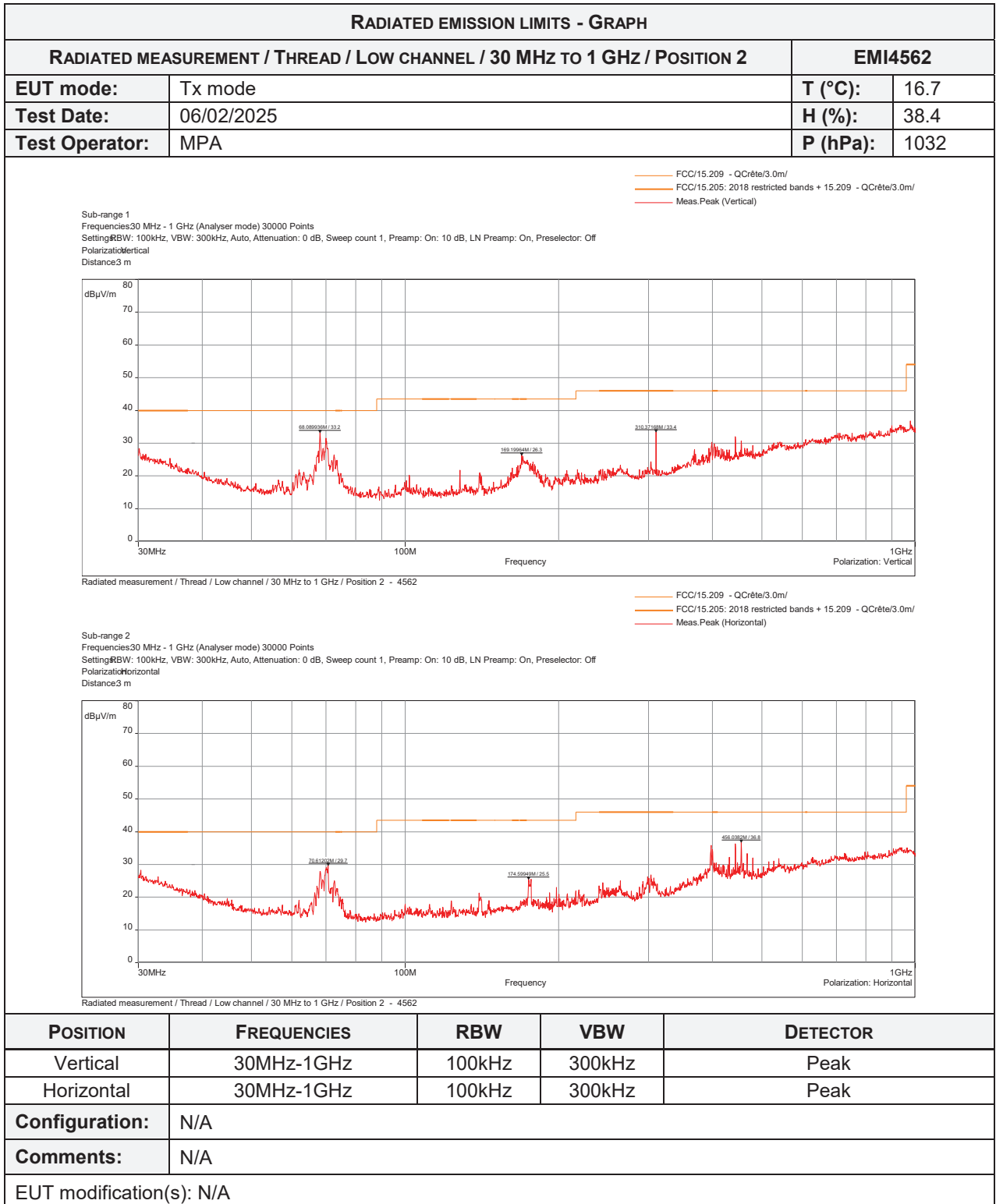
RADIATED EMISSION LIMITS – TABULATED RESULTS							
RADIATED MEASUREMENT / THREAD / HIGH CHANNEL / 18 GHz TO 26.5 GHz / POSITION 6						EMI4784	
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBµV/m)	PEAK LIMIT (dBµV/m)	PEAK MARGIN (dB)	AVERAGE LEVEL (dBµV/m)	AVERAGE LIMIT (dBµV/m)	AVERAGE MARGIN (dB)
21651.277	Horizontal	53.50	83.52	-30.02	N/P	63.52	N/P
Comments:		When margin between peak measurements and Average limit is greater than 6dB, no Average measurements were performed. No spurious emission detected. In order to increase the dynamics of the measurements, these were carried out at a distance of 1 meter and the limit was recalculated.					

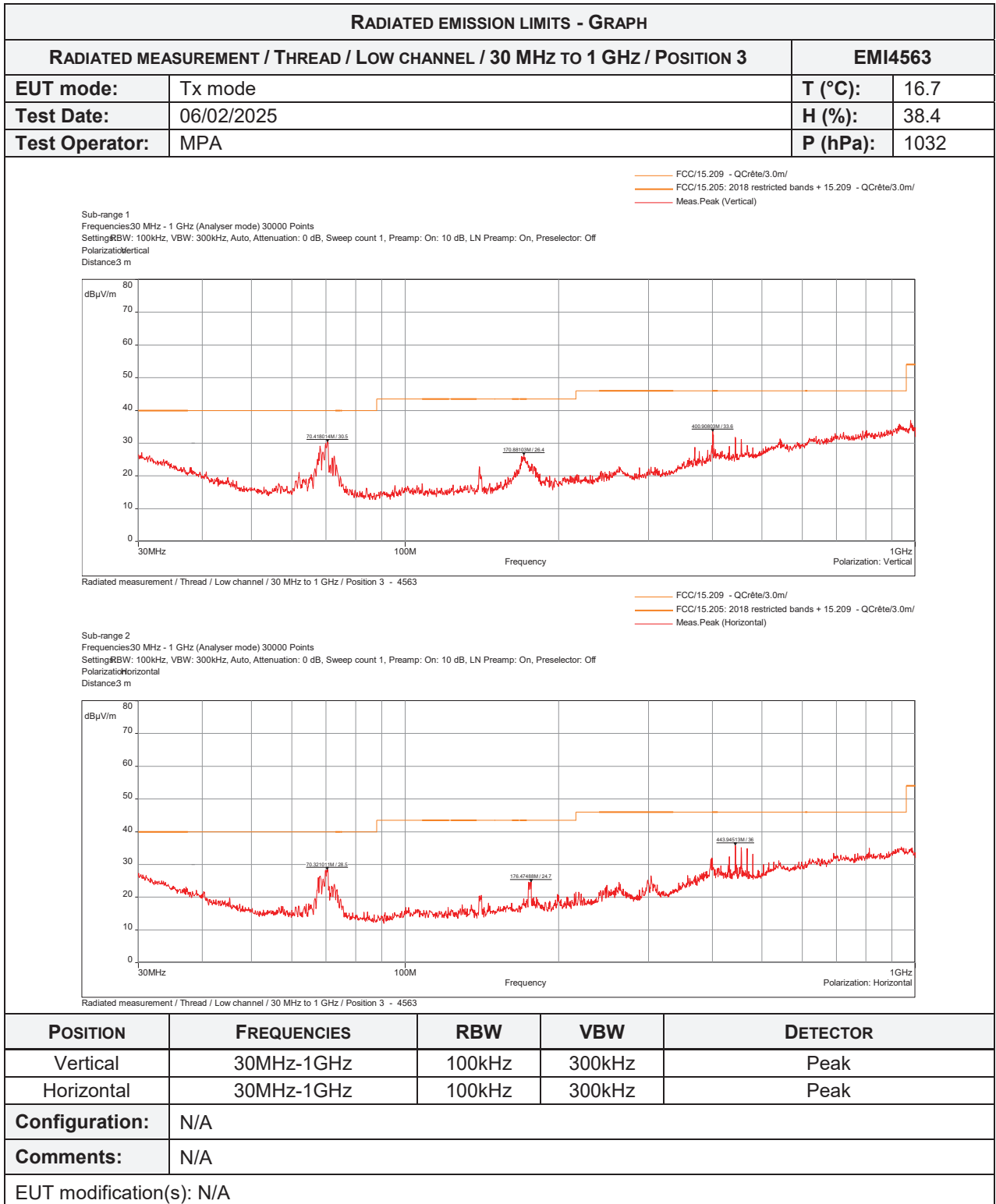


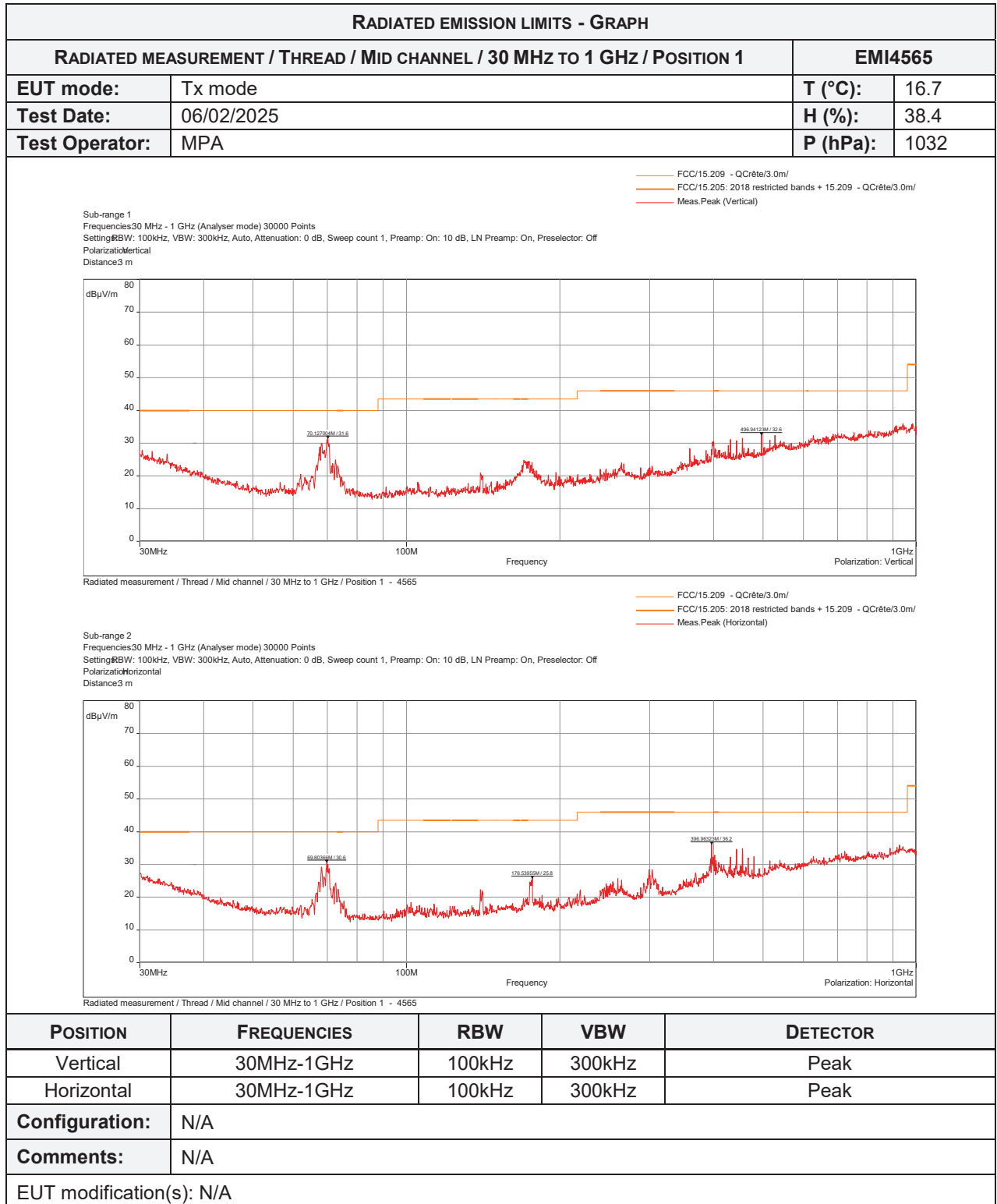


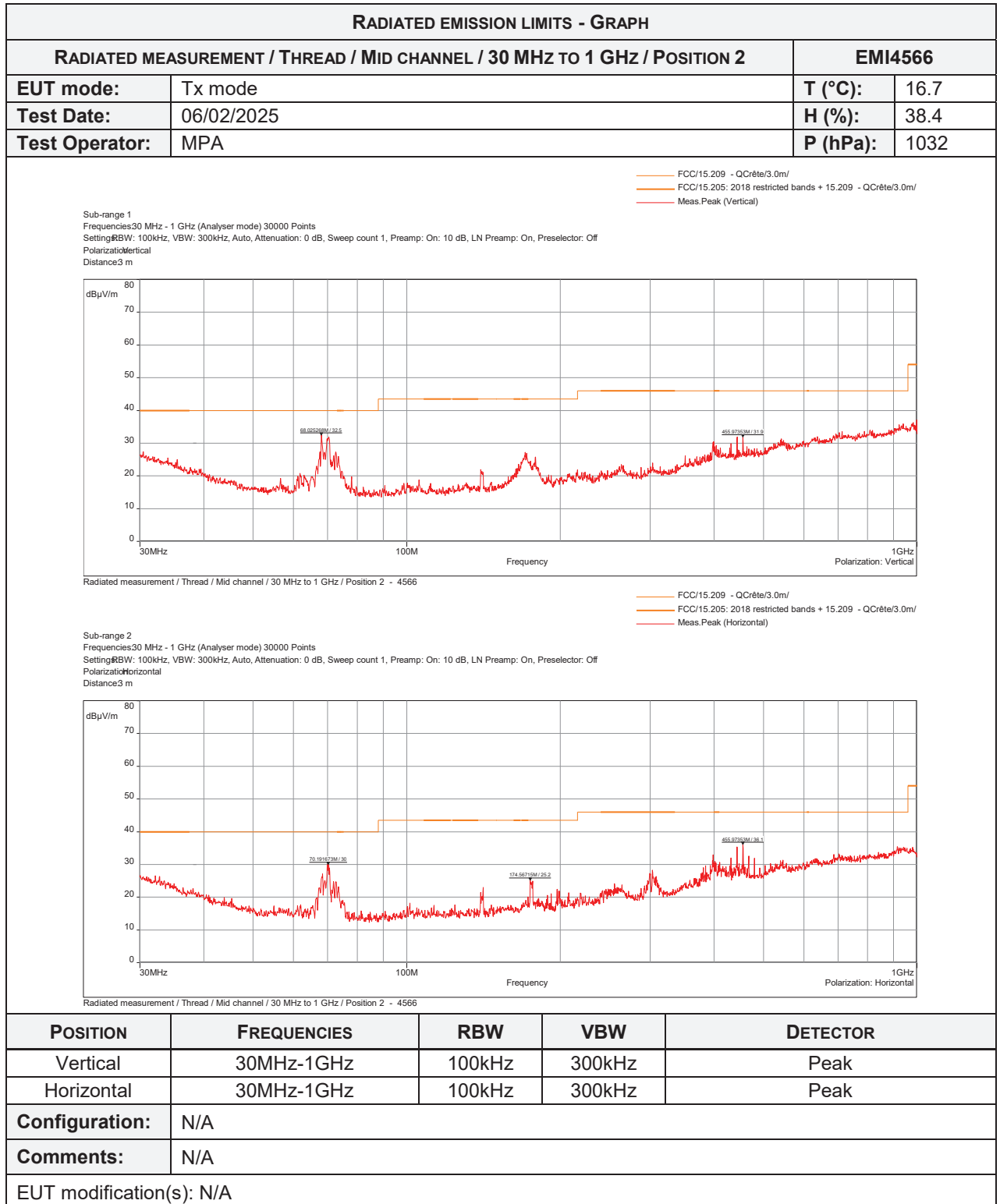


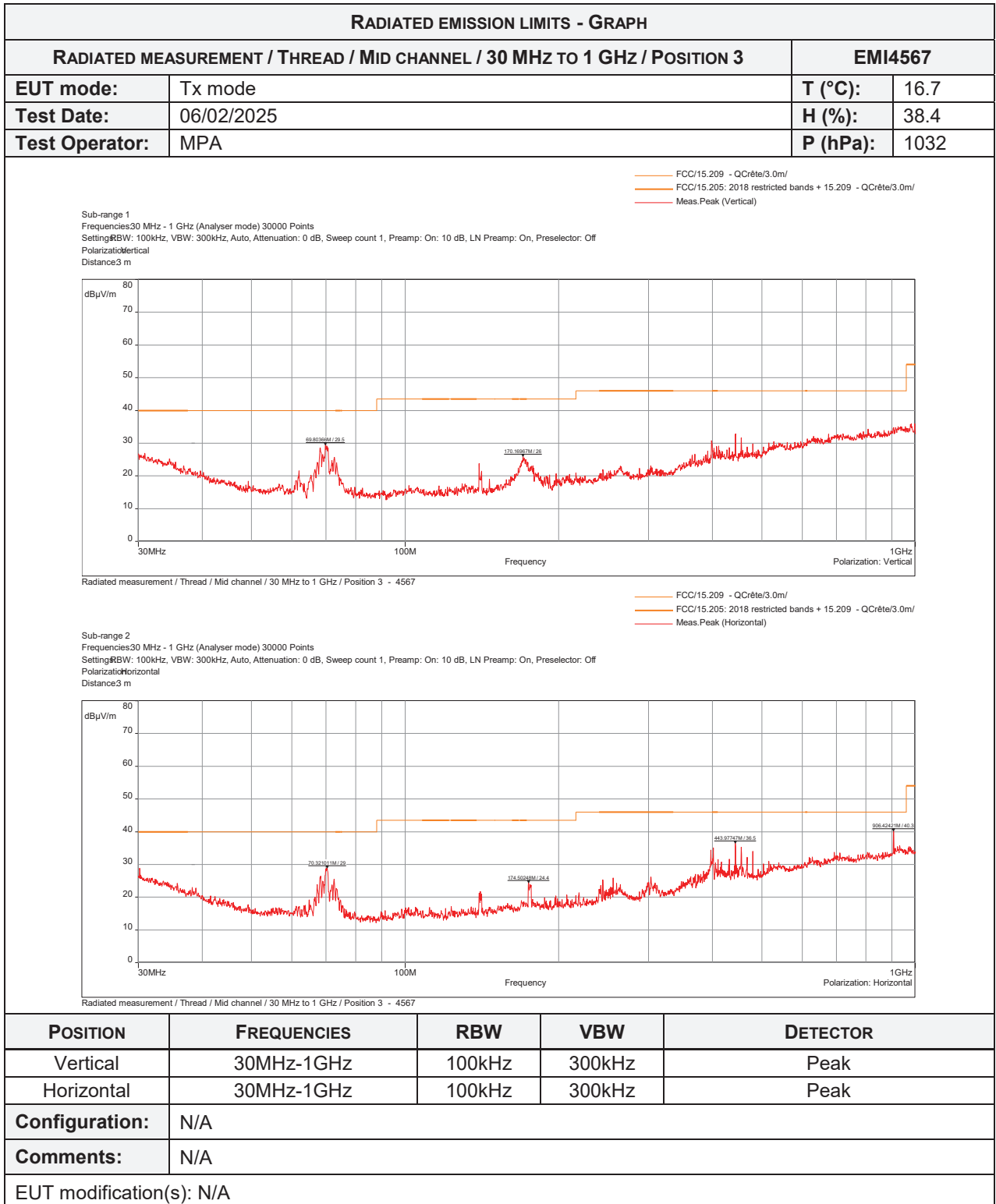


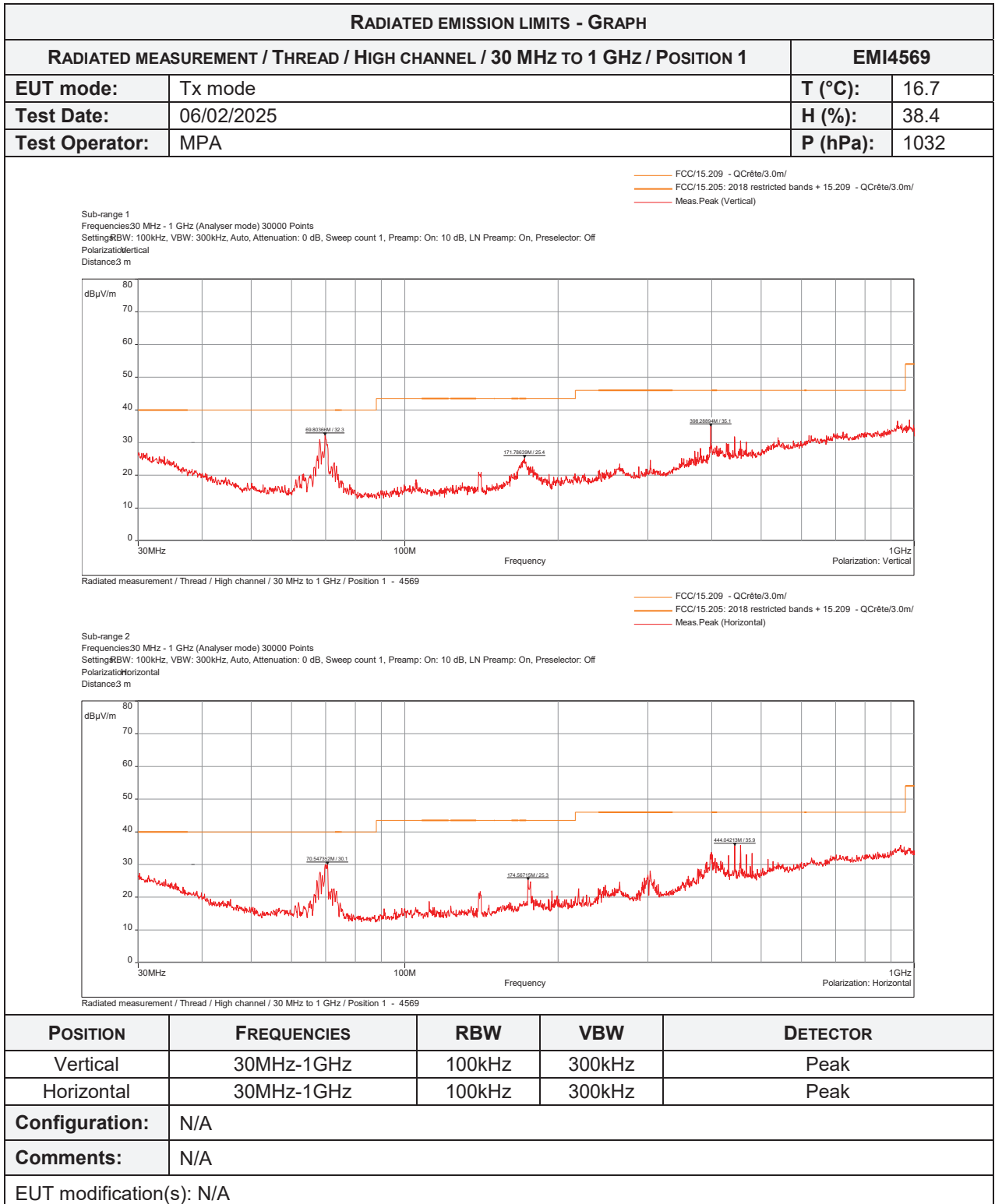


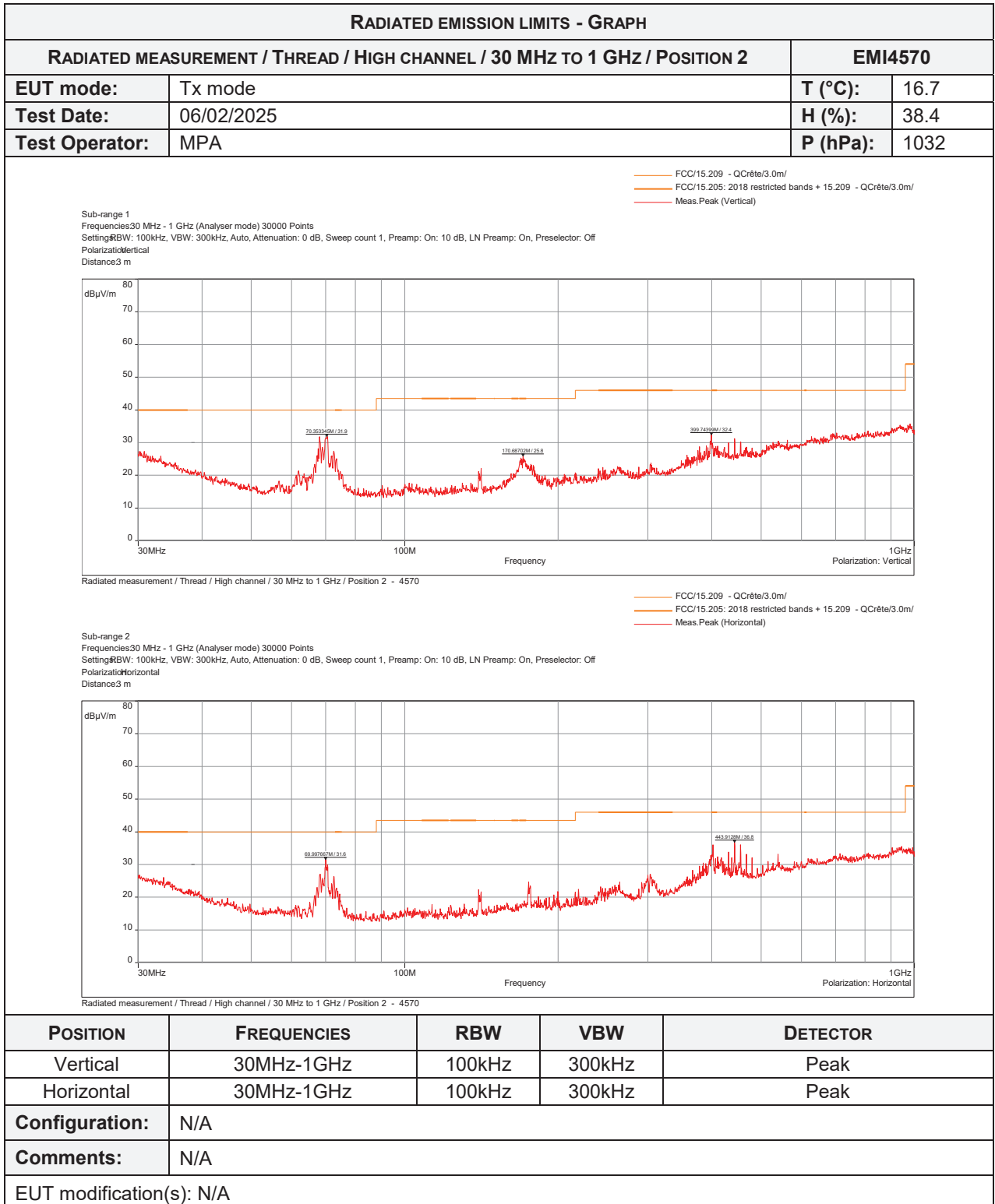


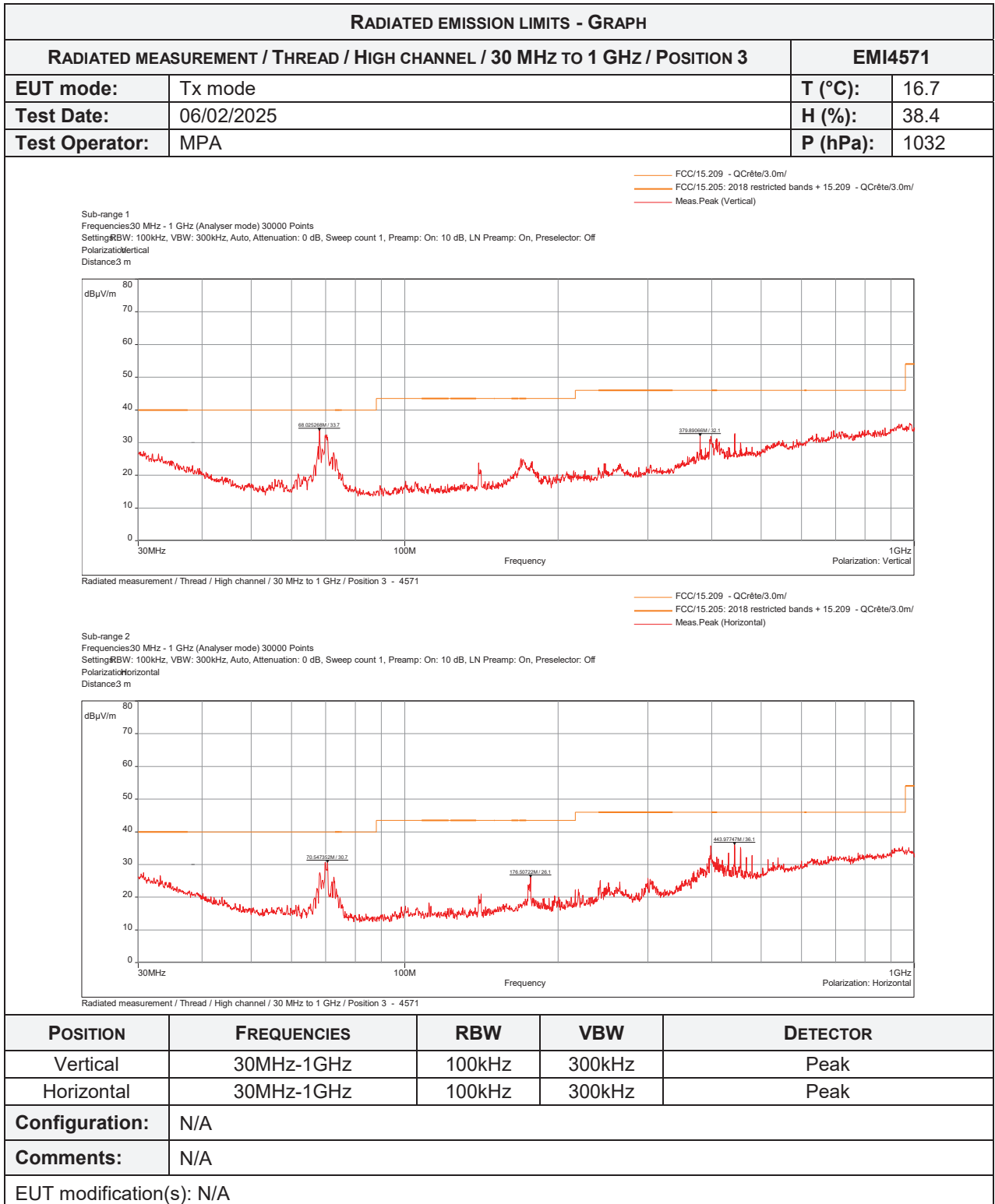


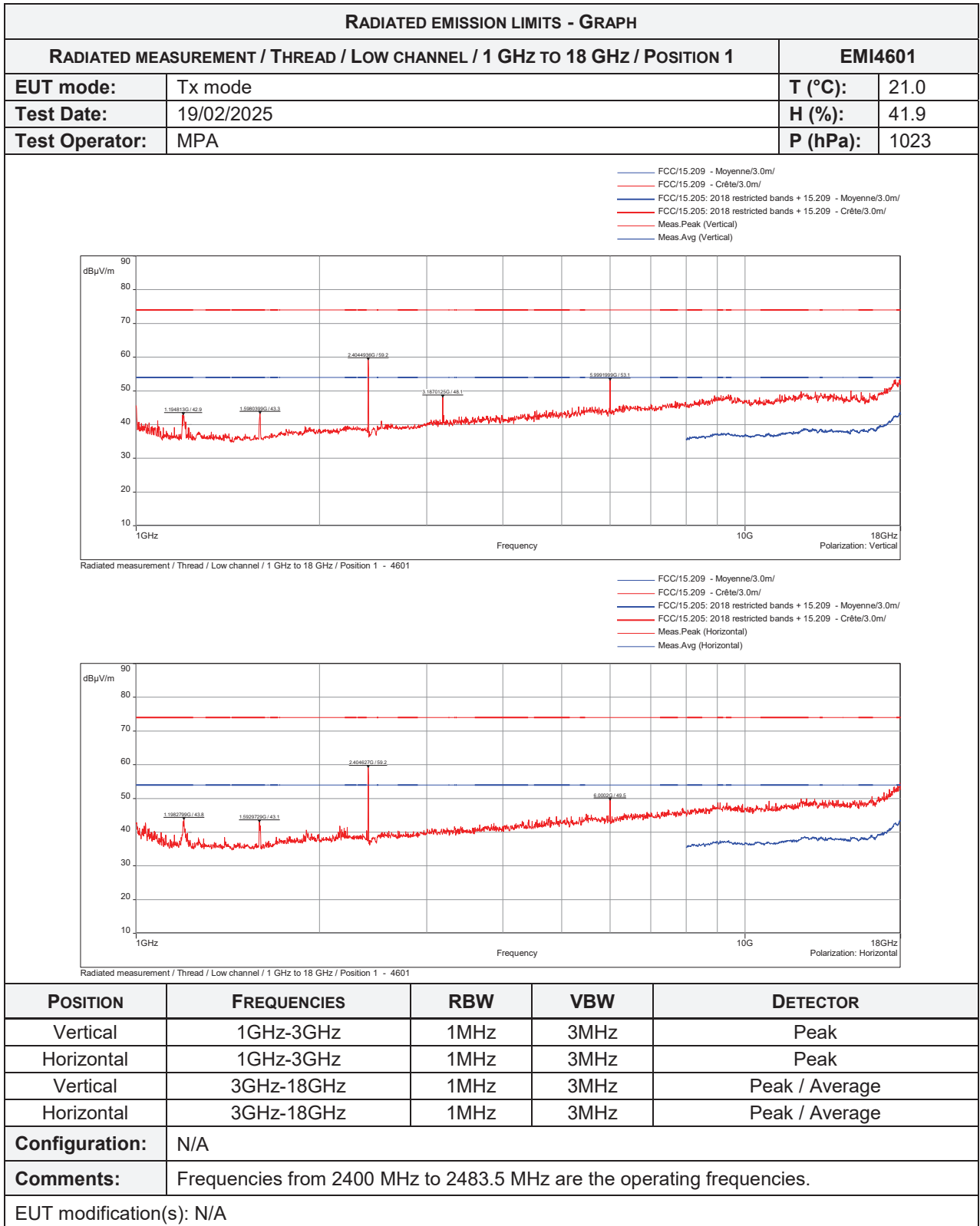


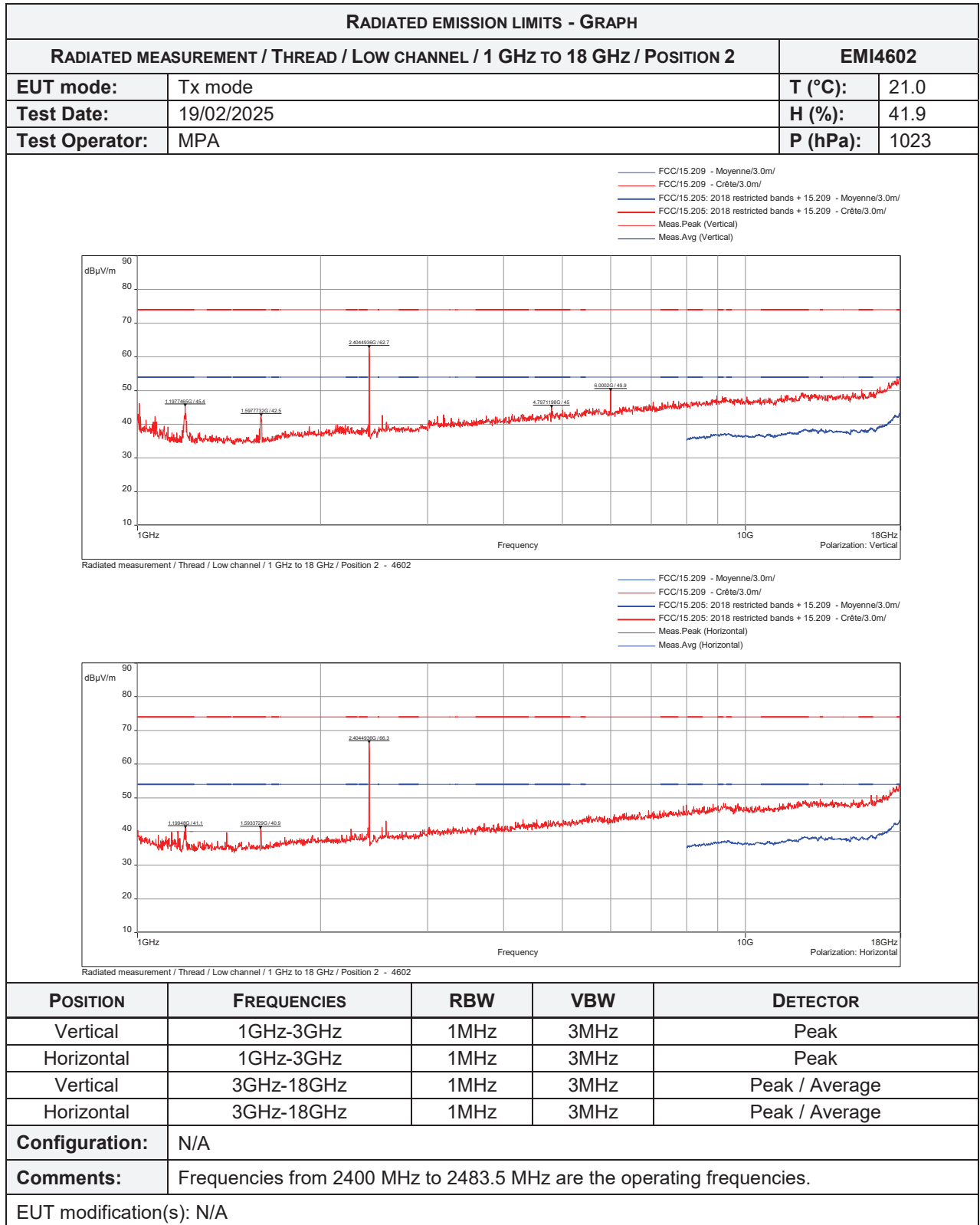


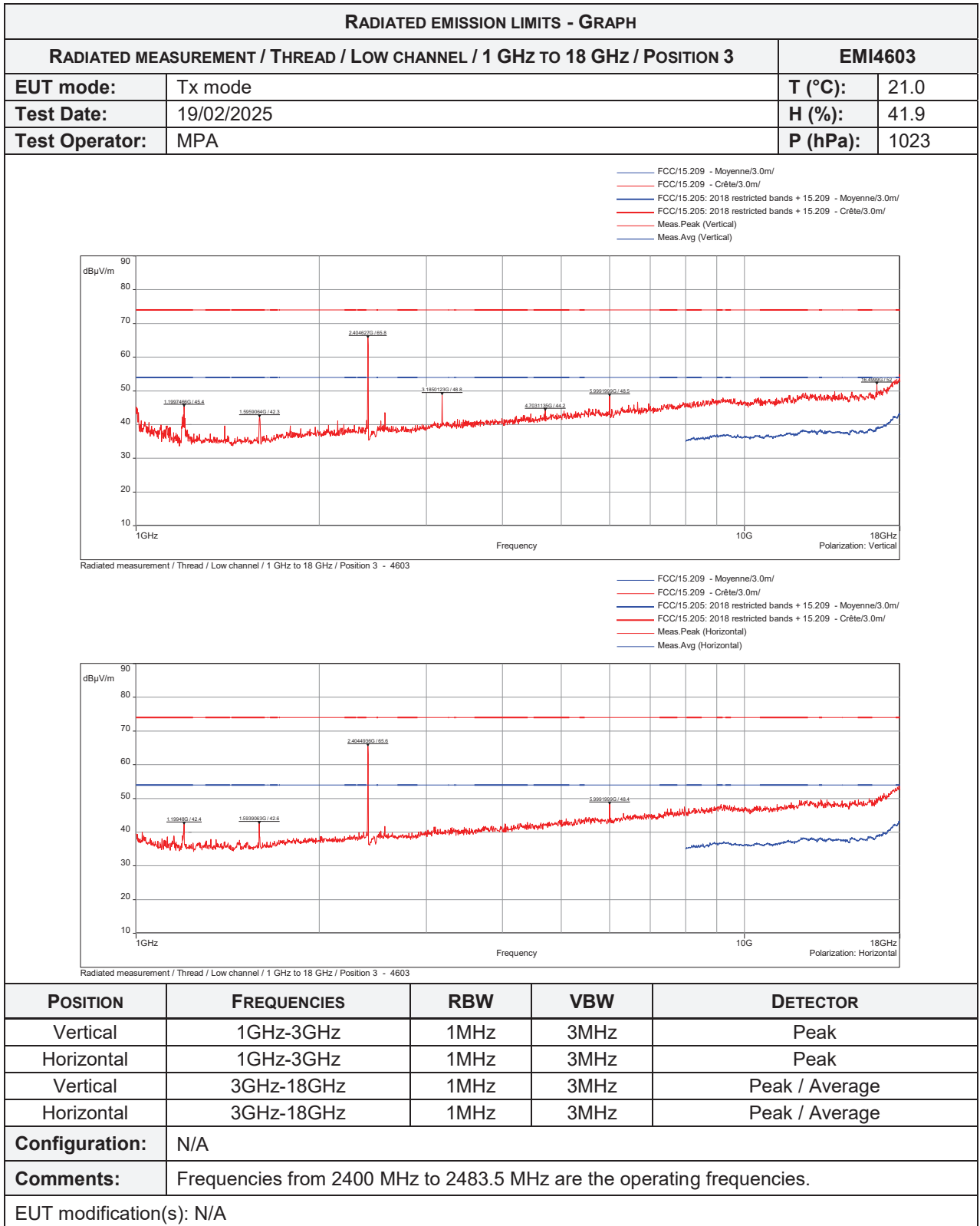


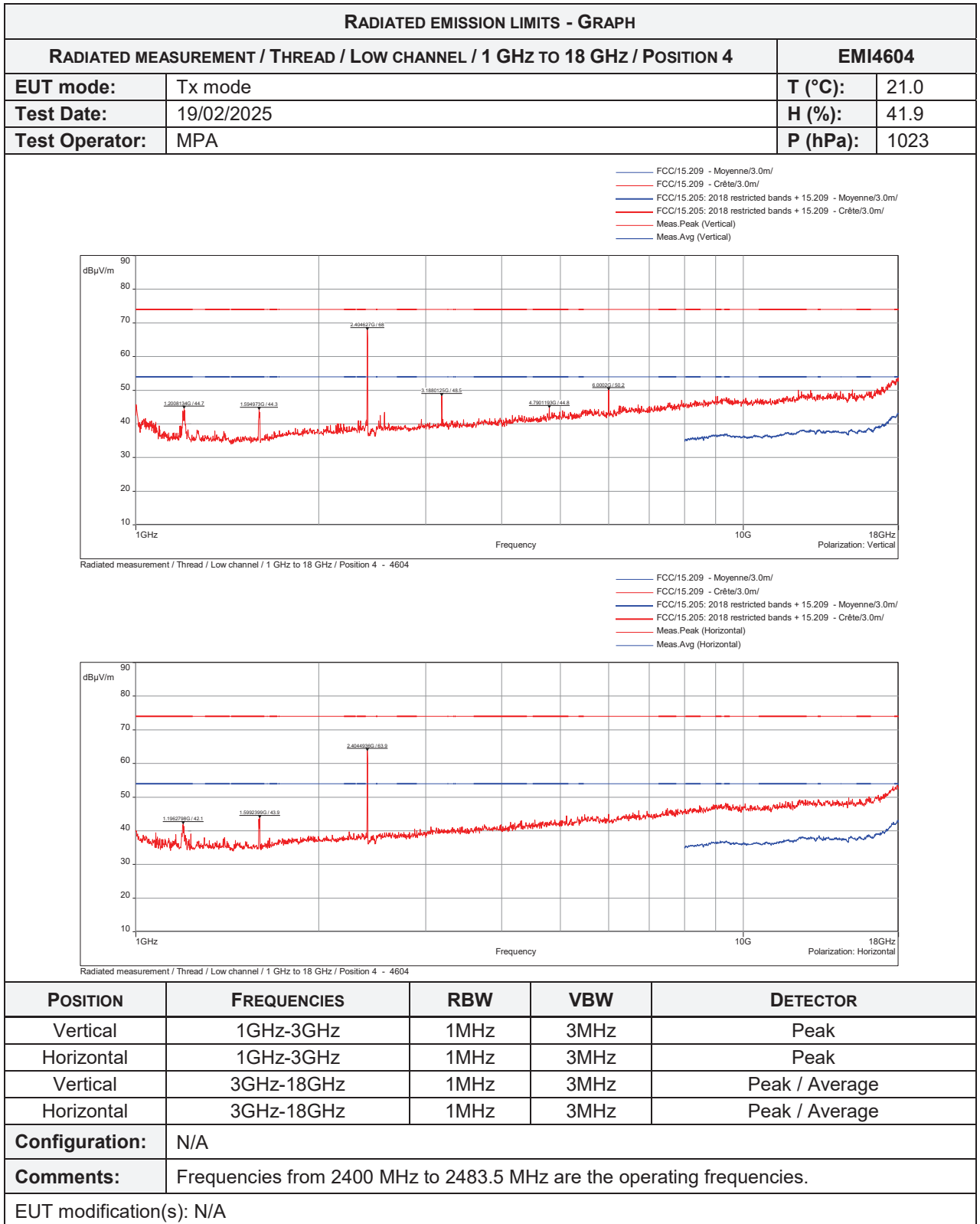


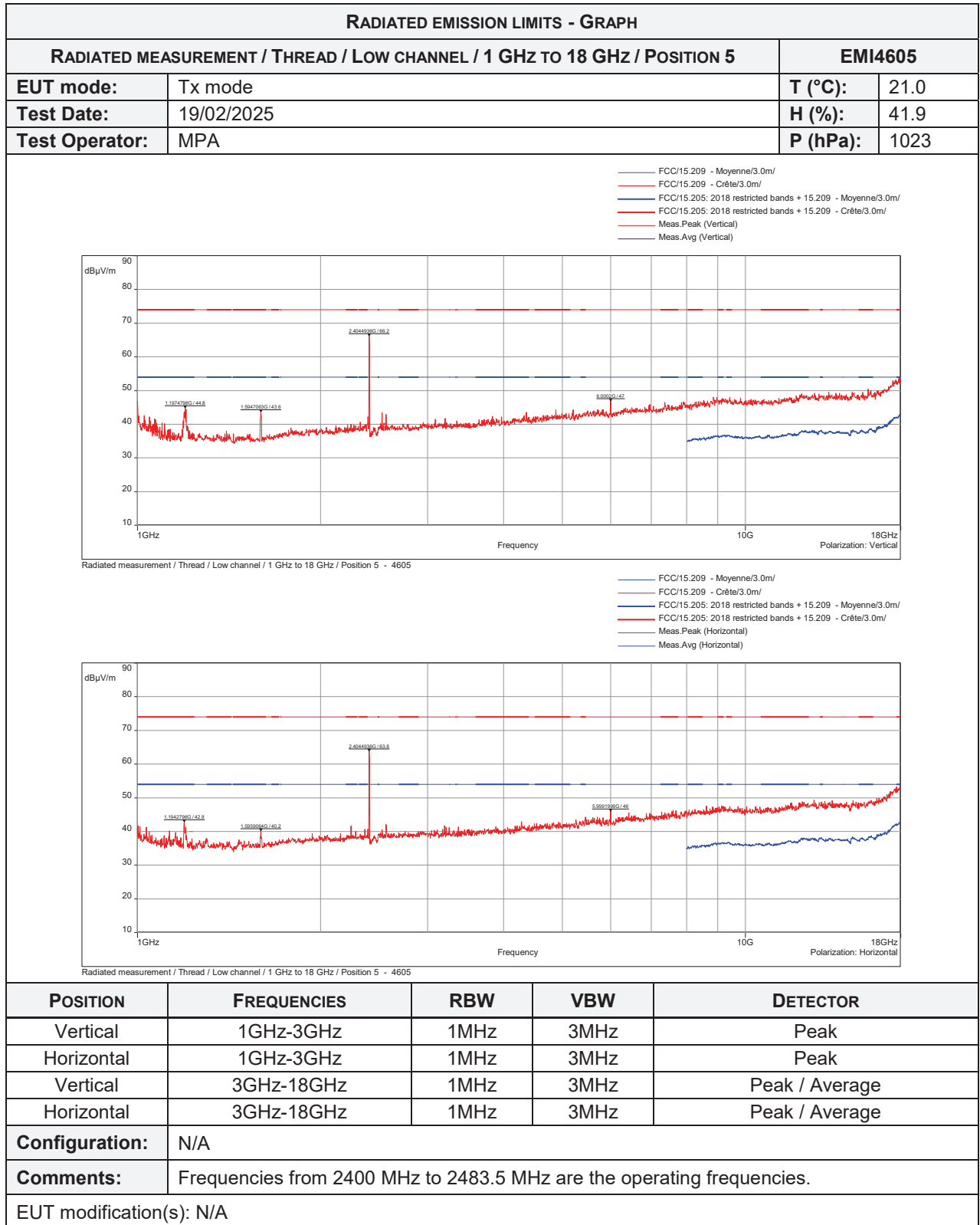


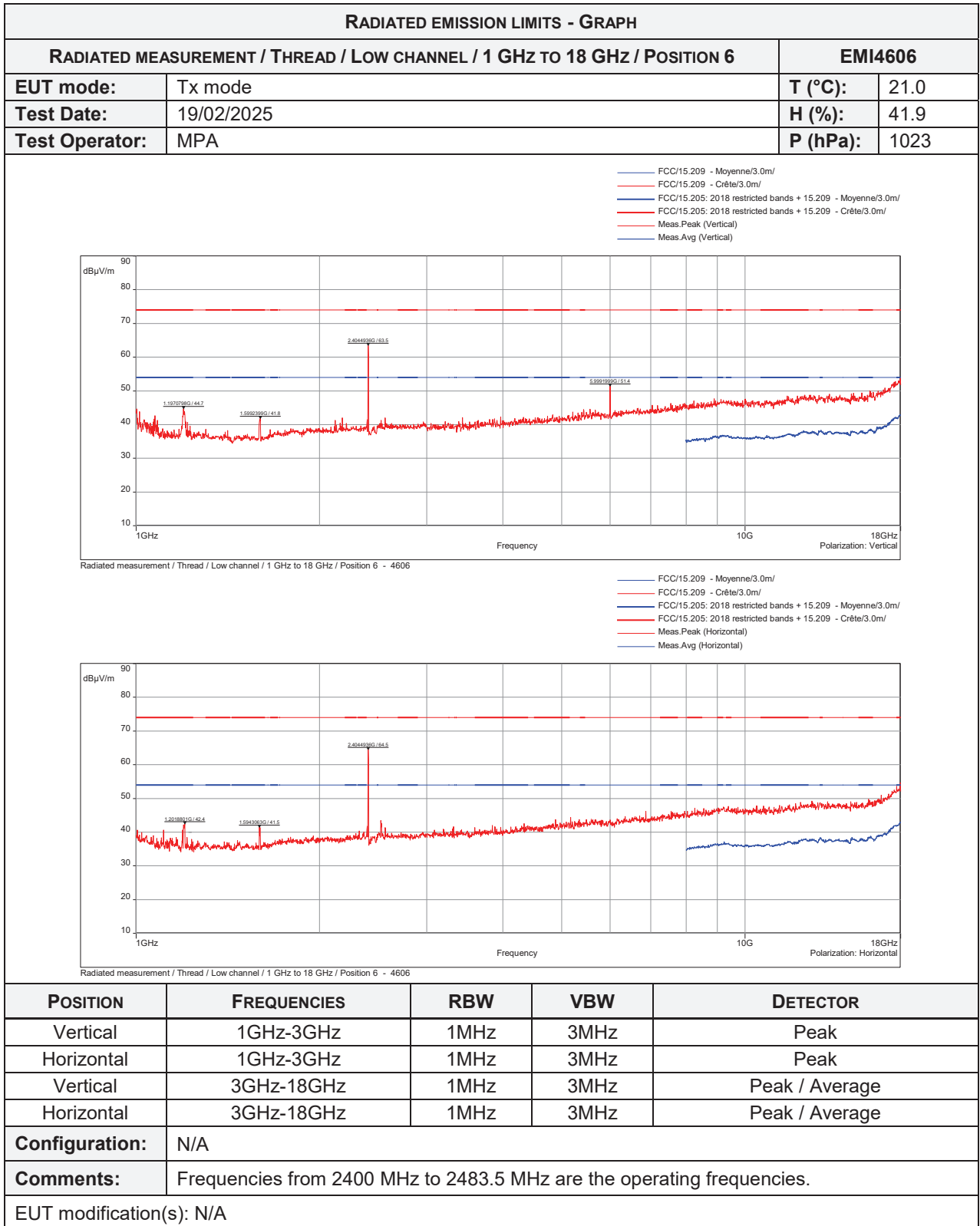


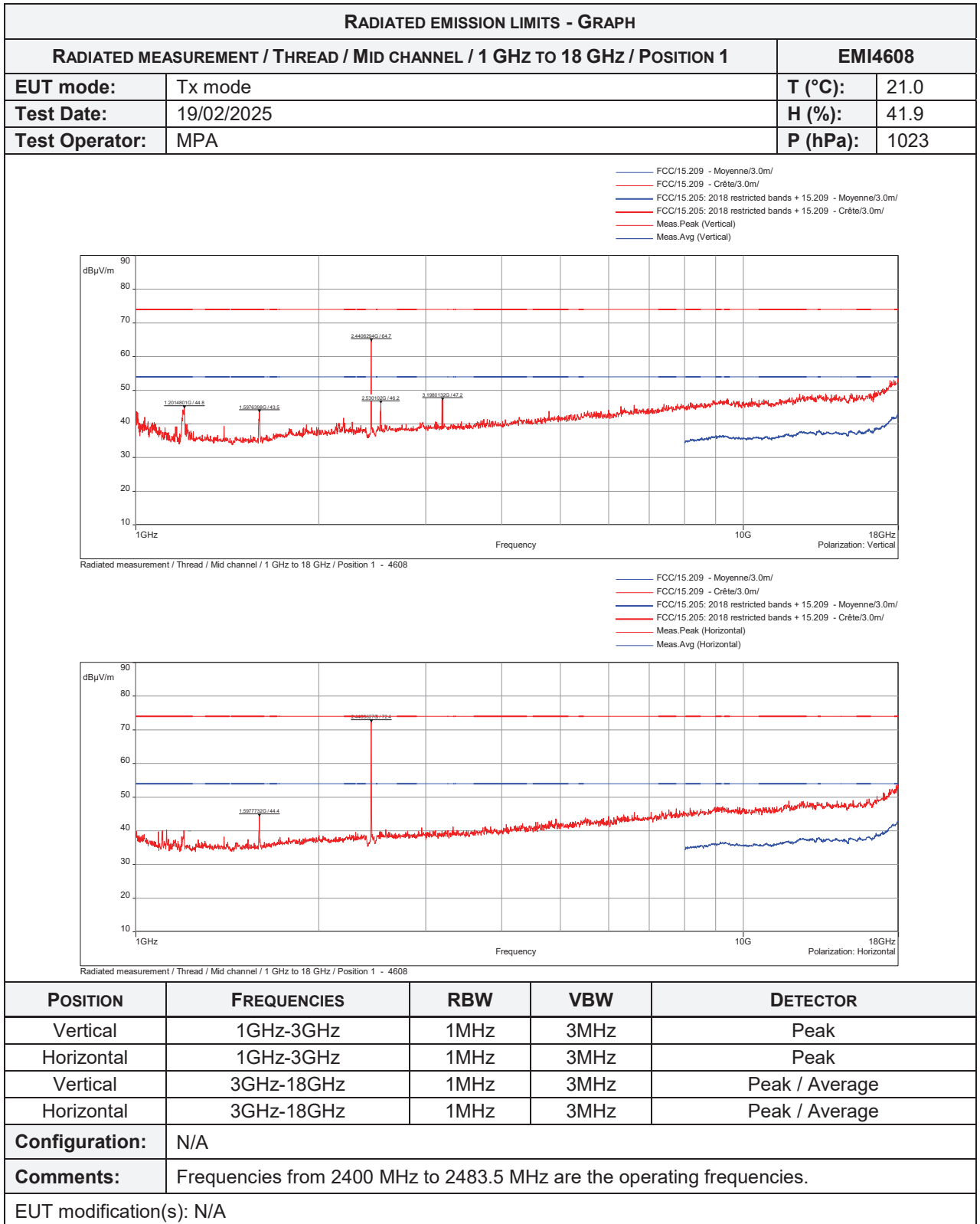


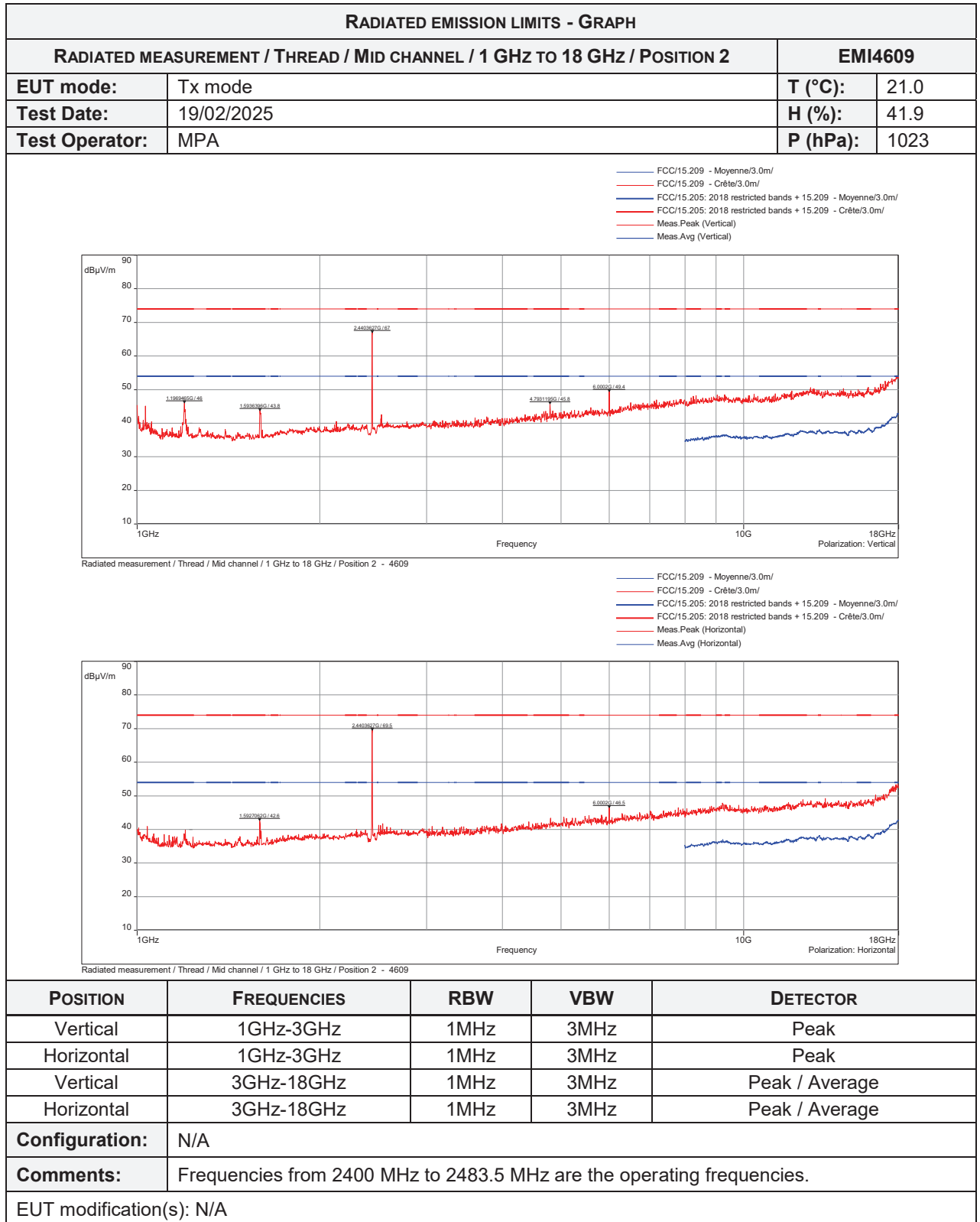


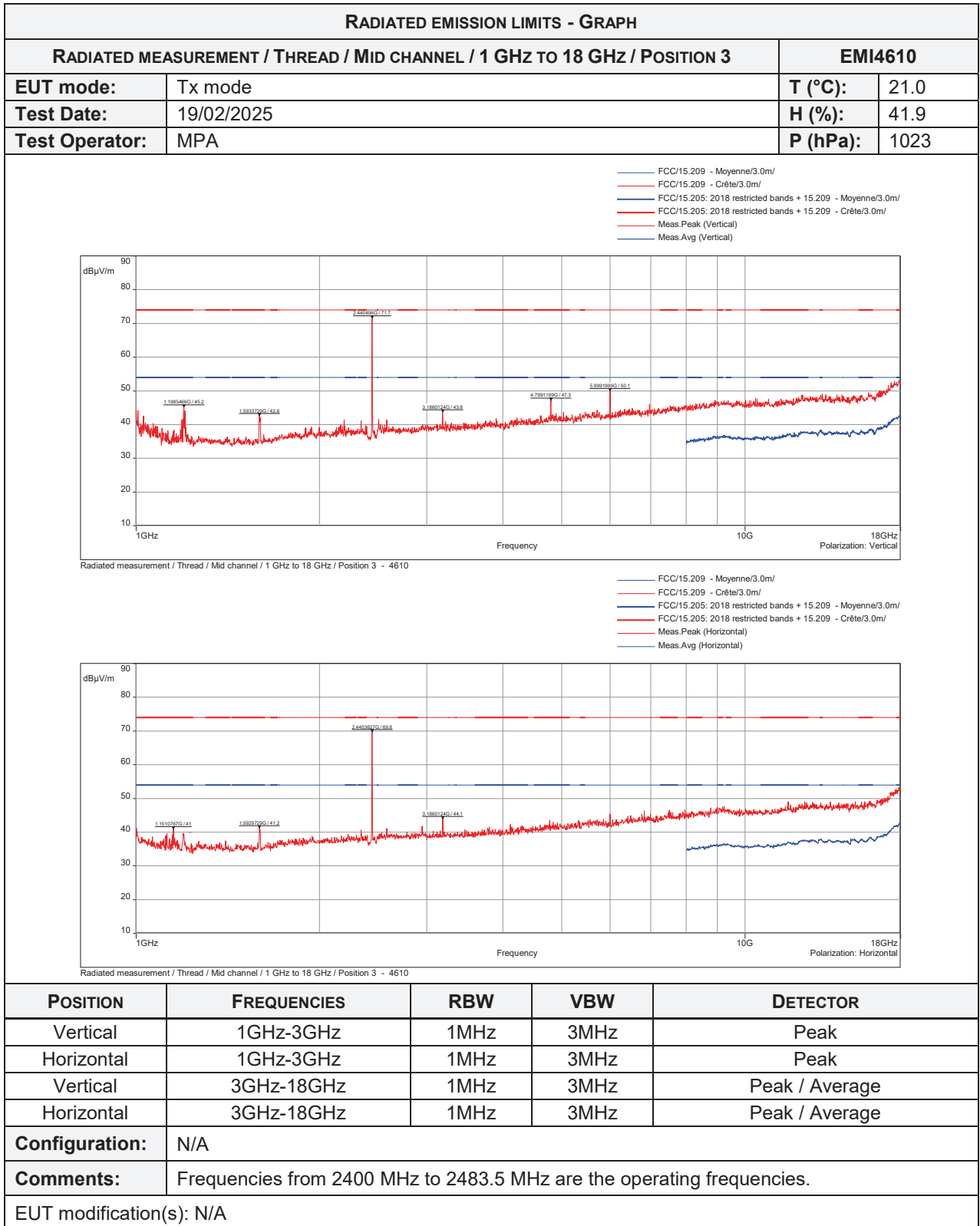


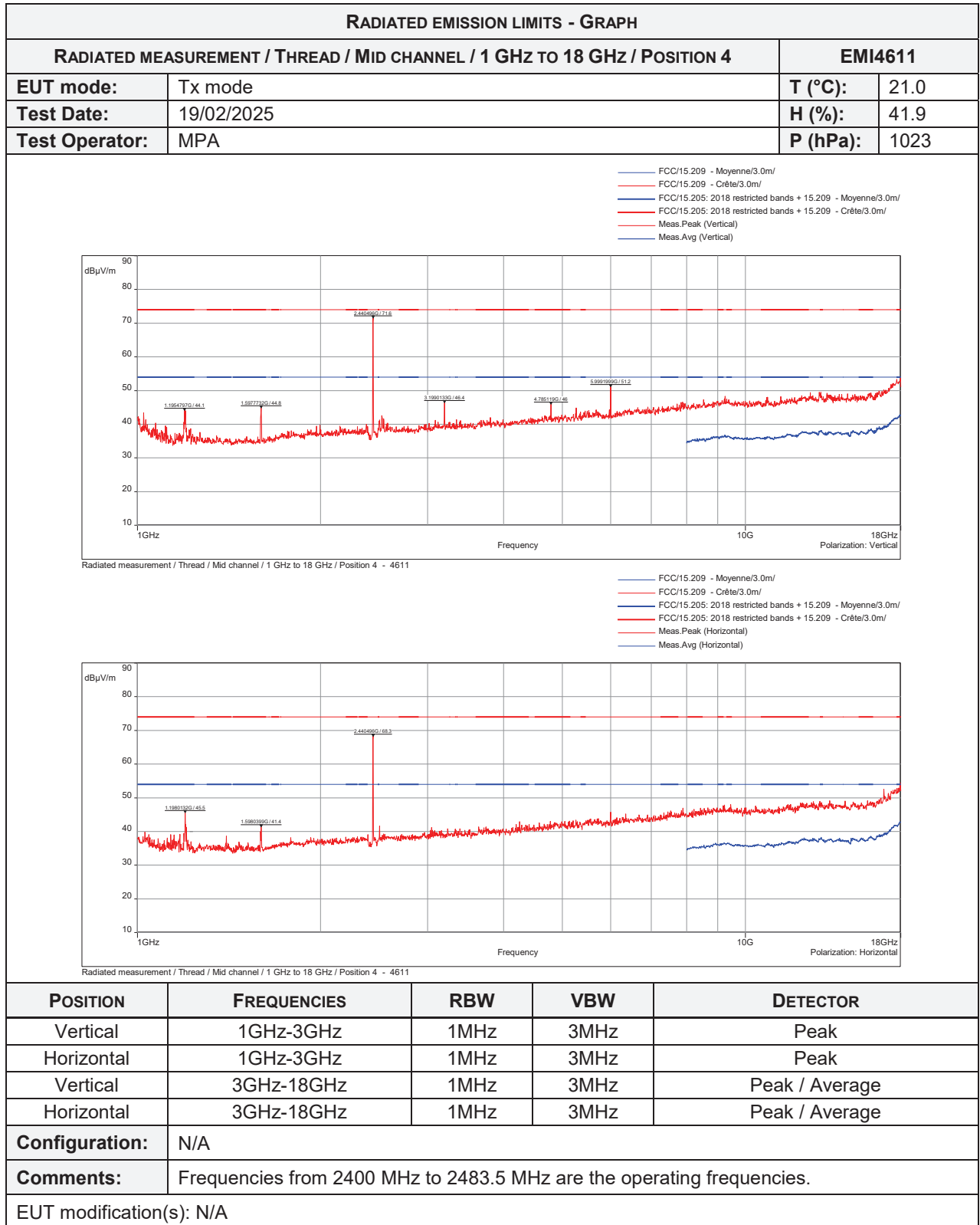


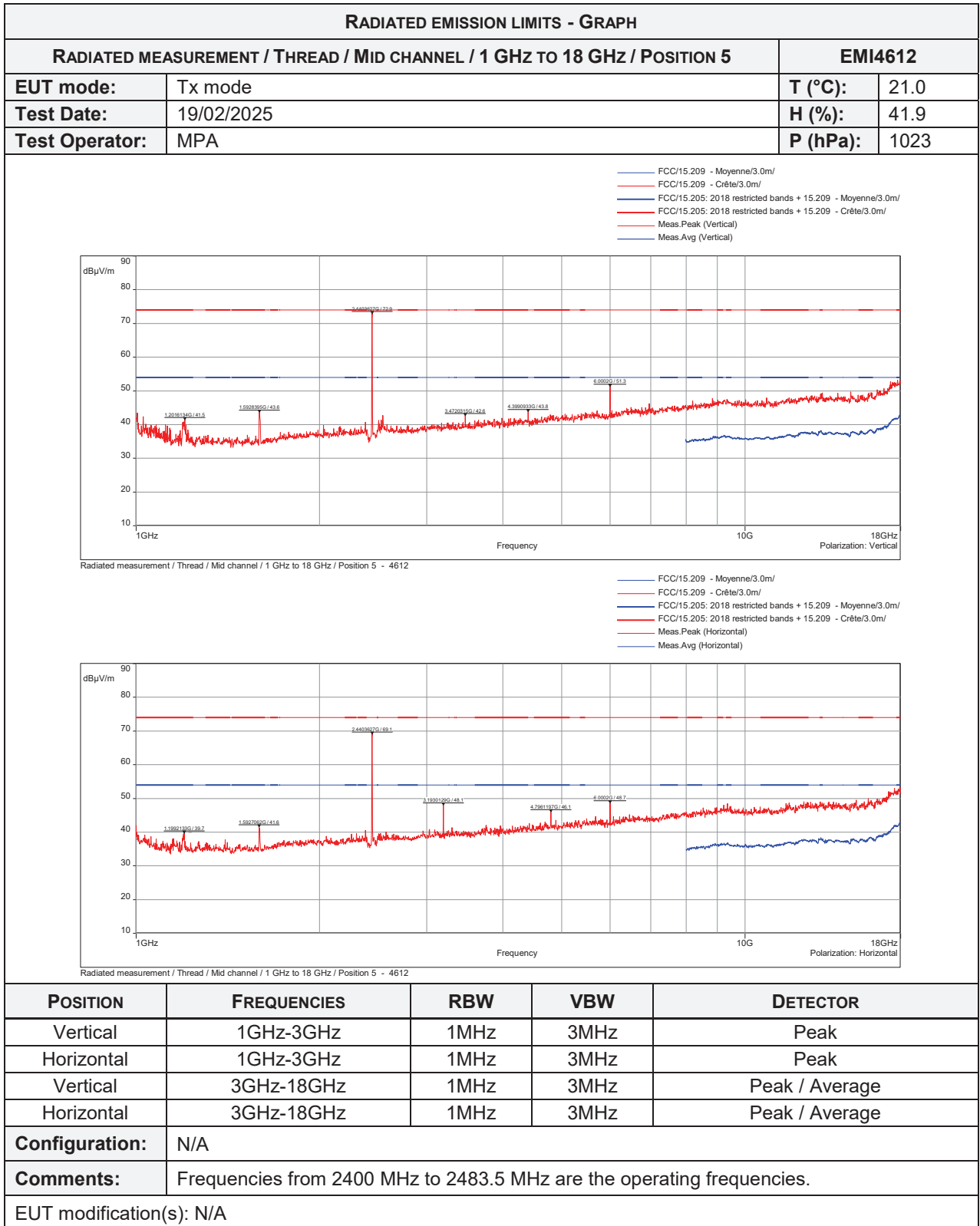


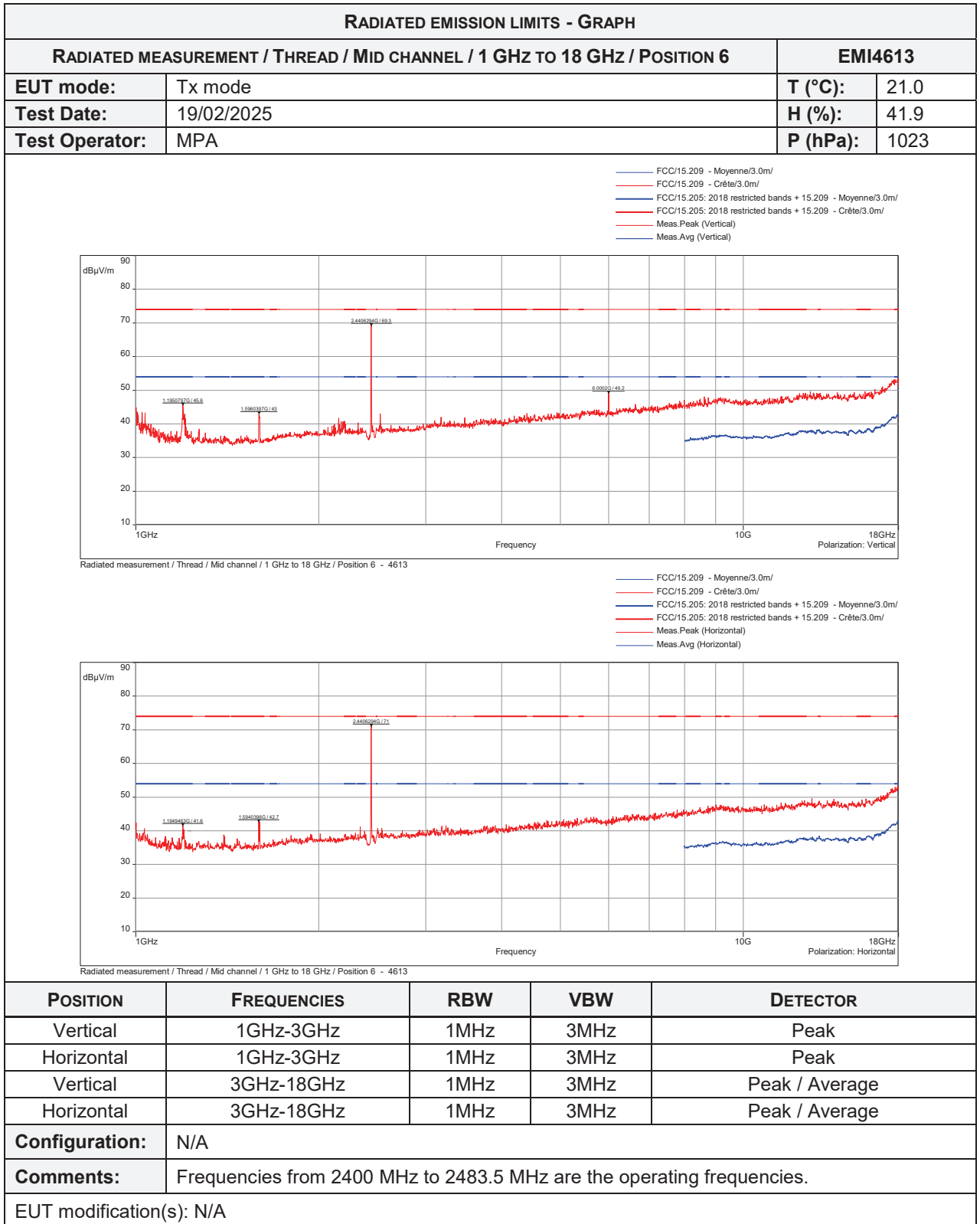


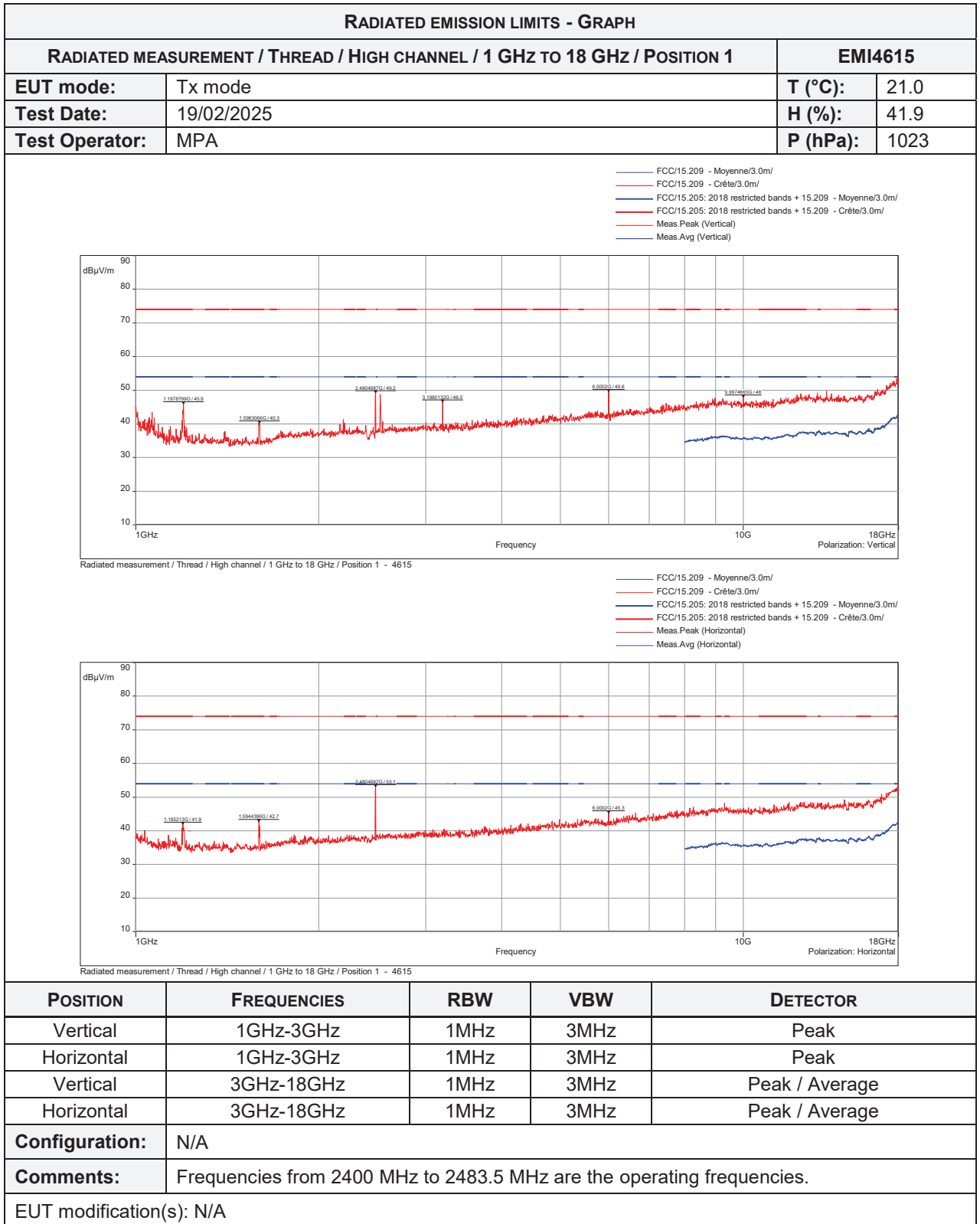


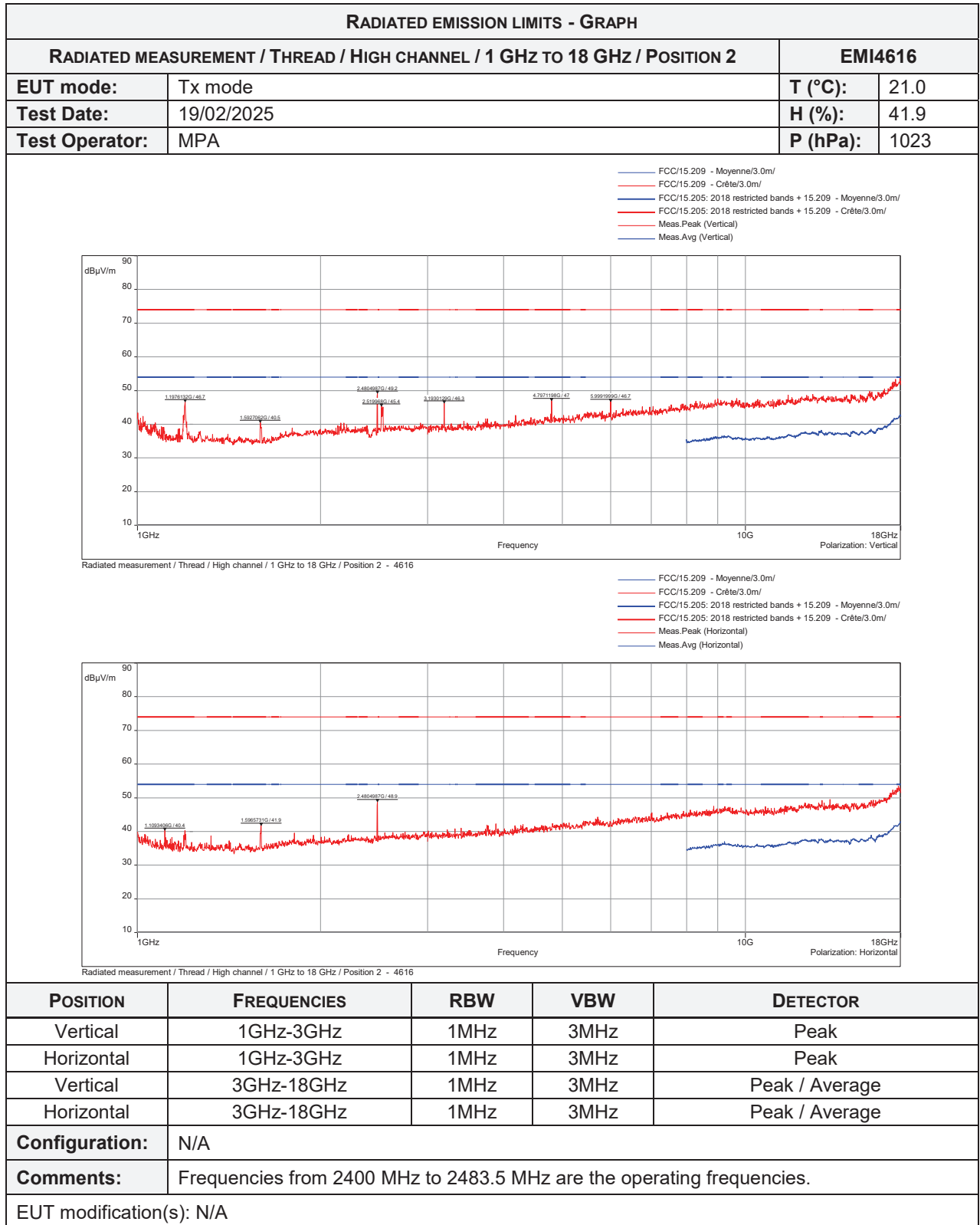


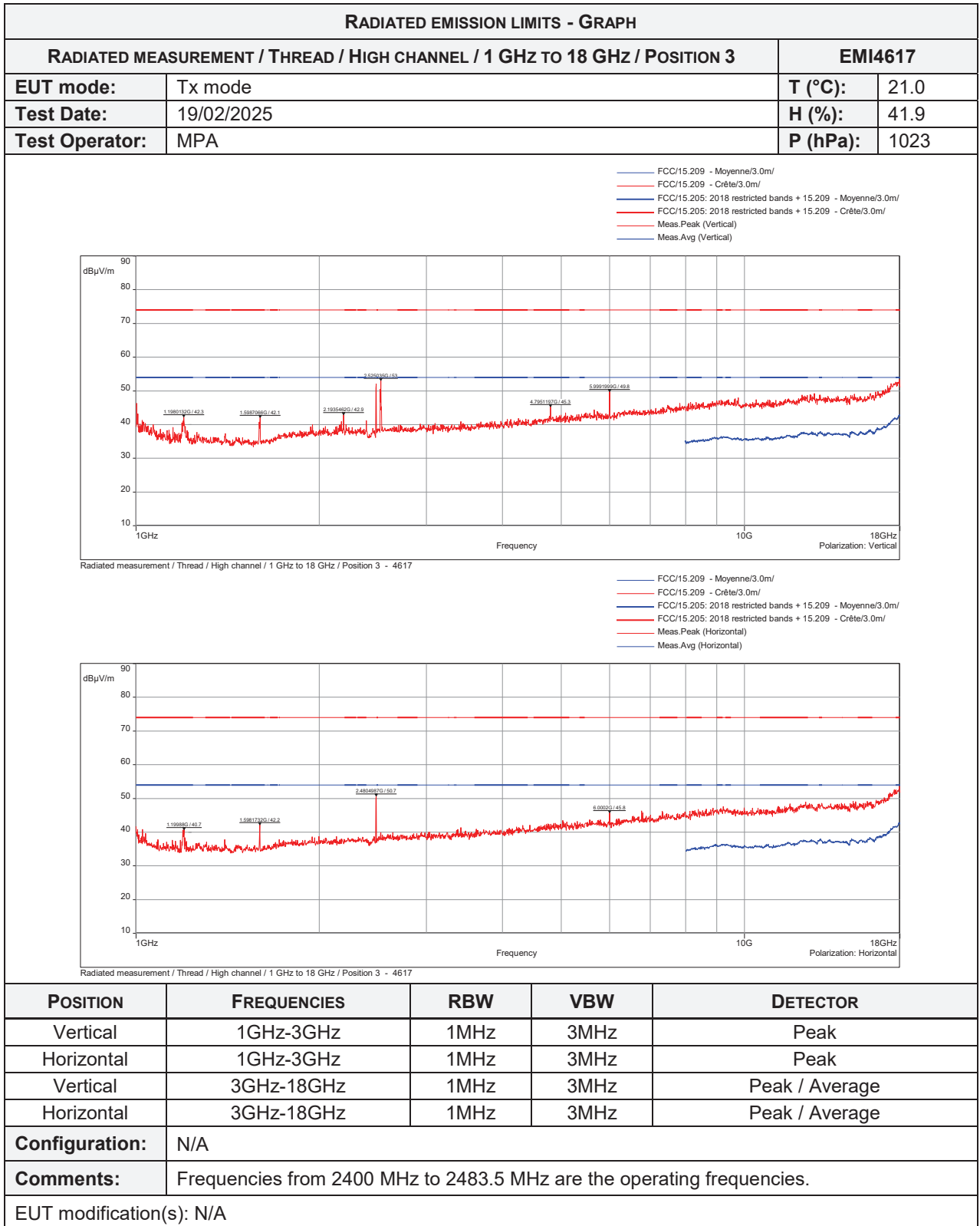


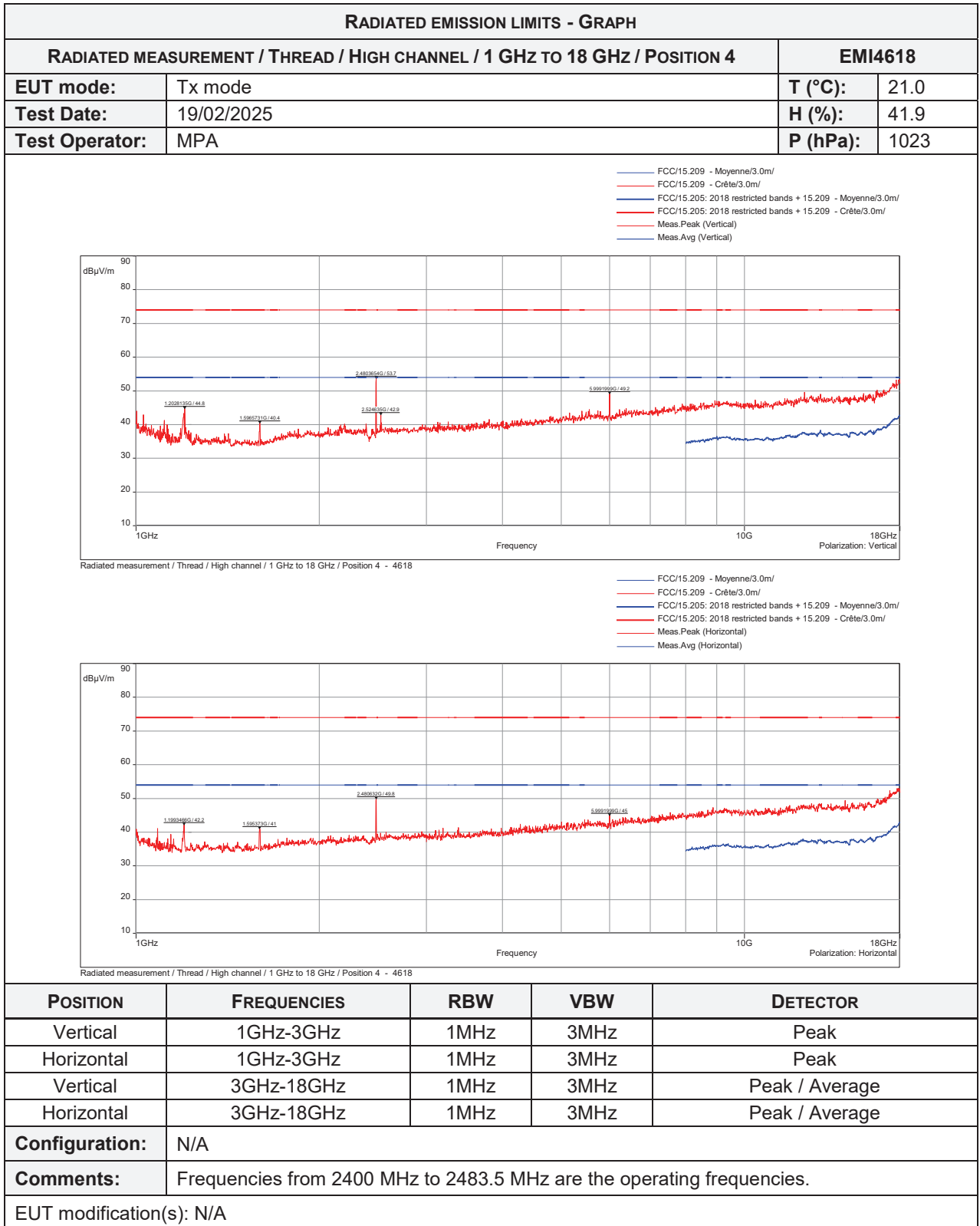


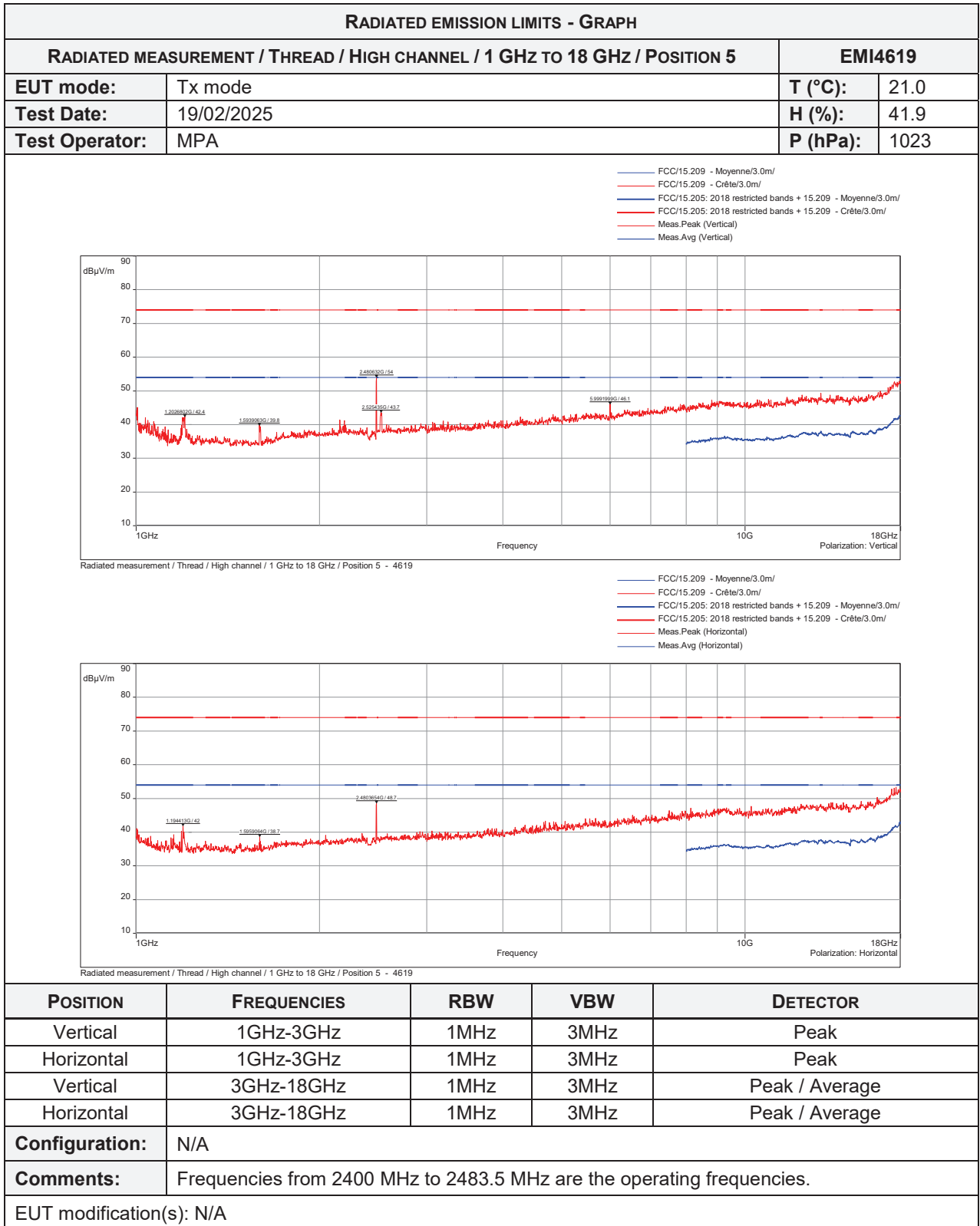


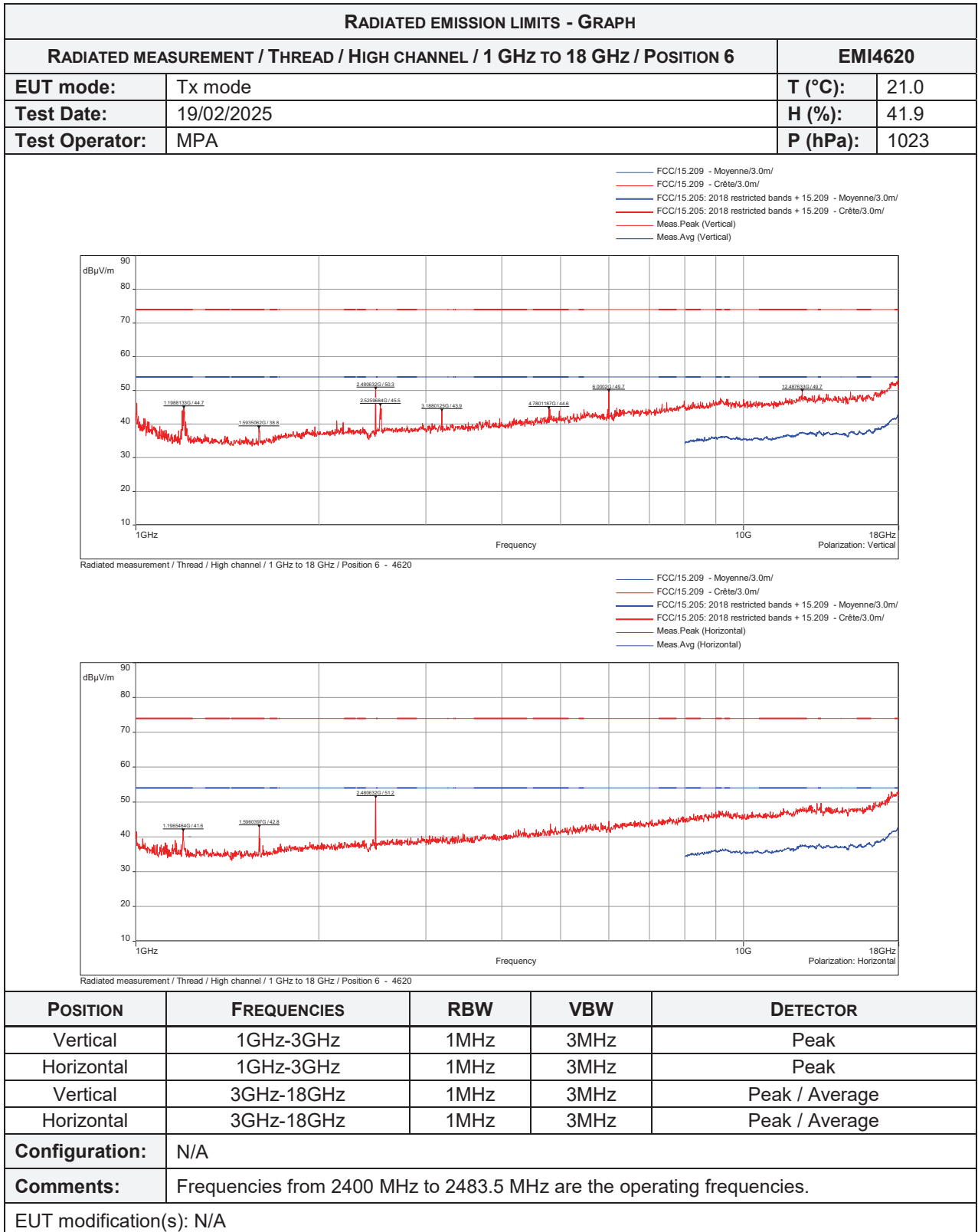


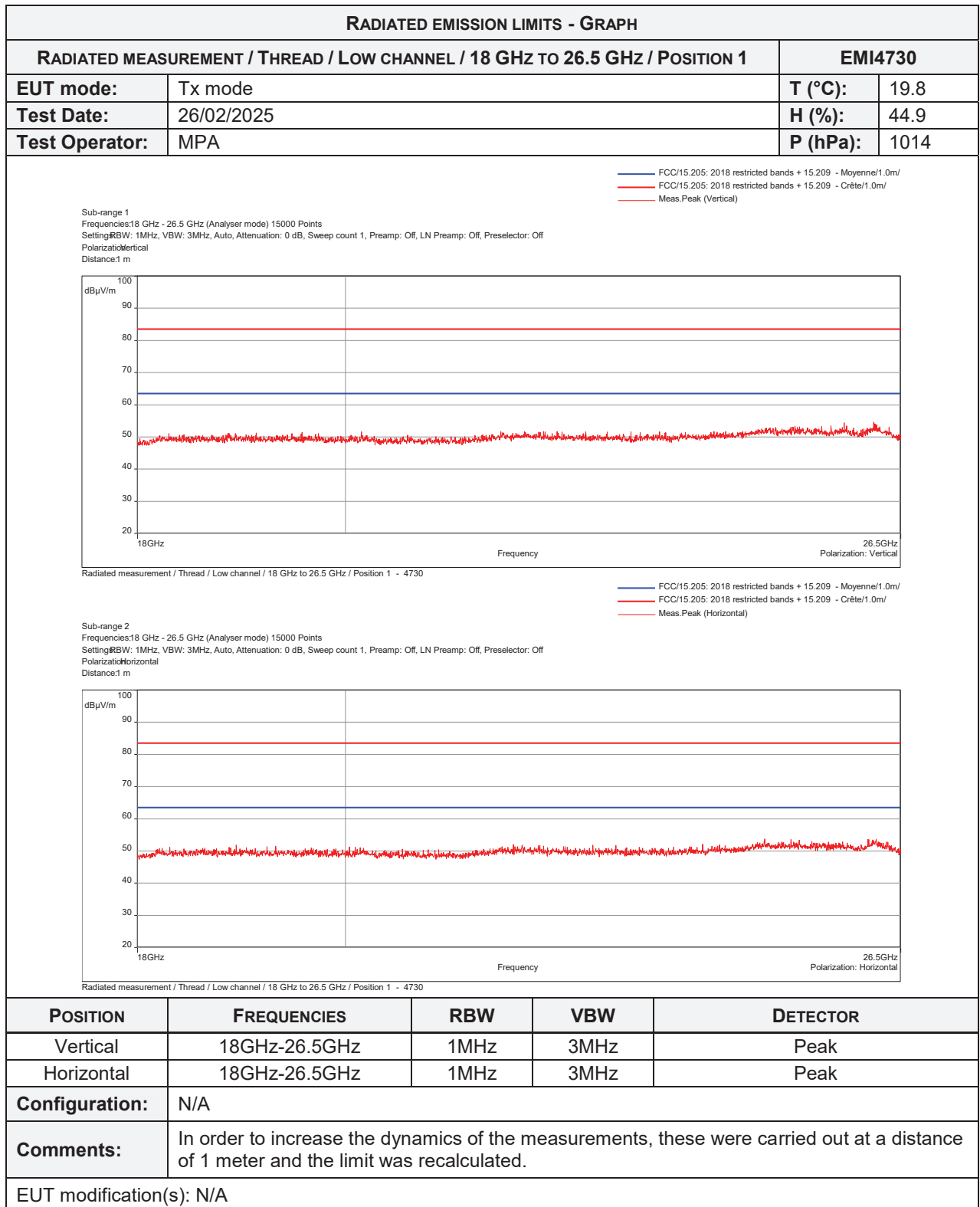


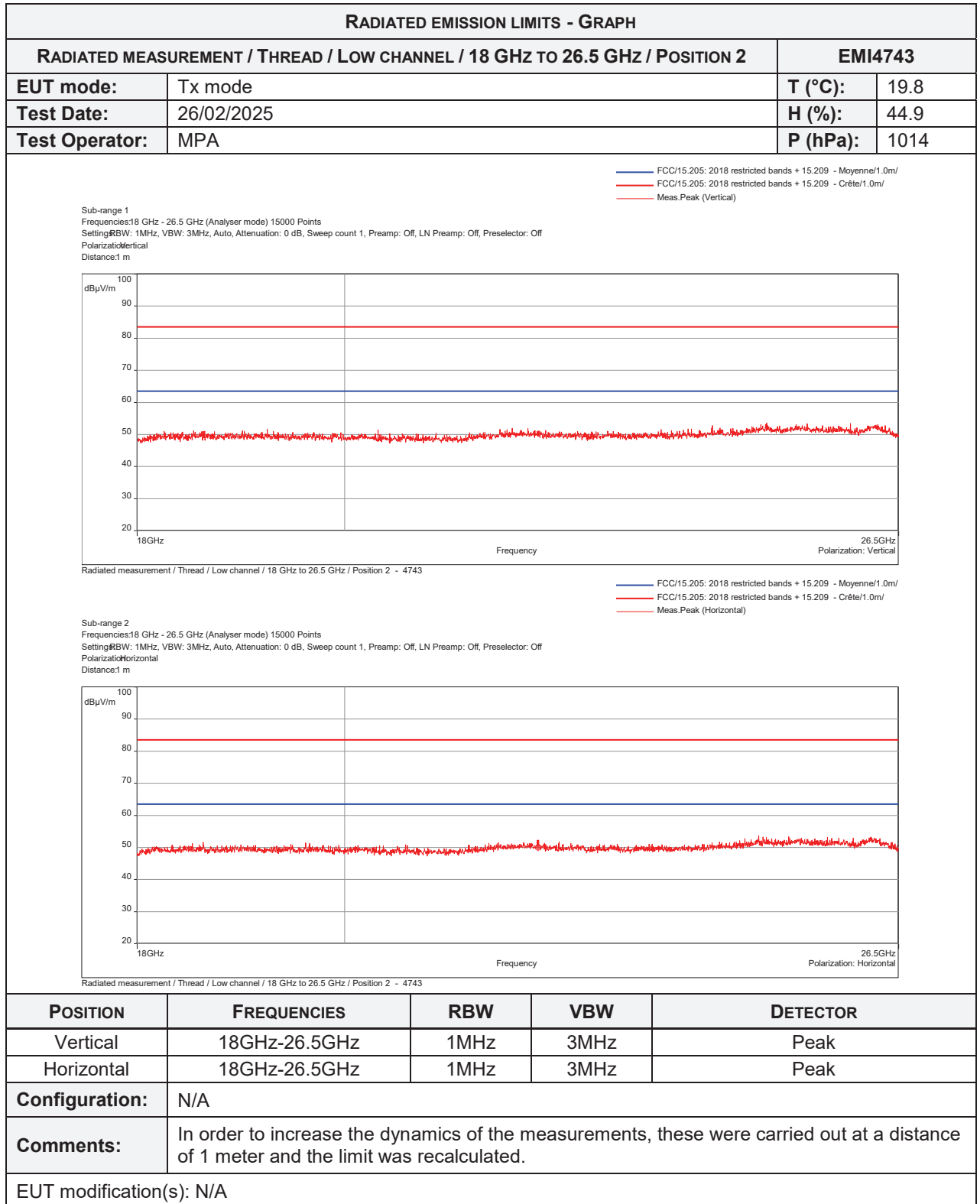


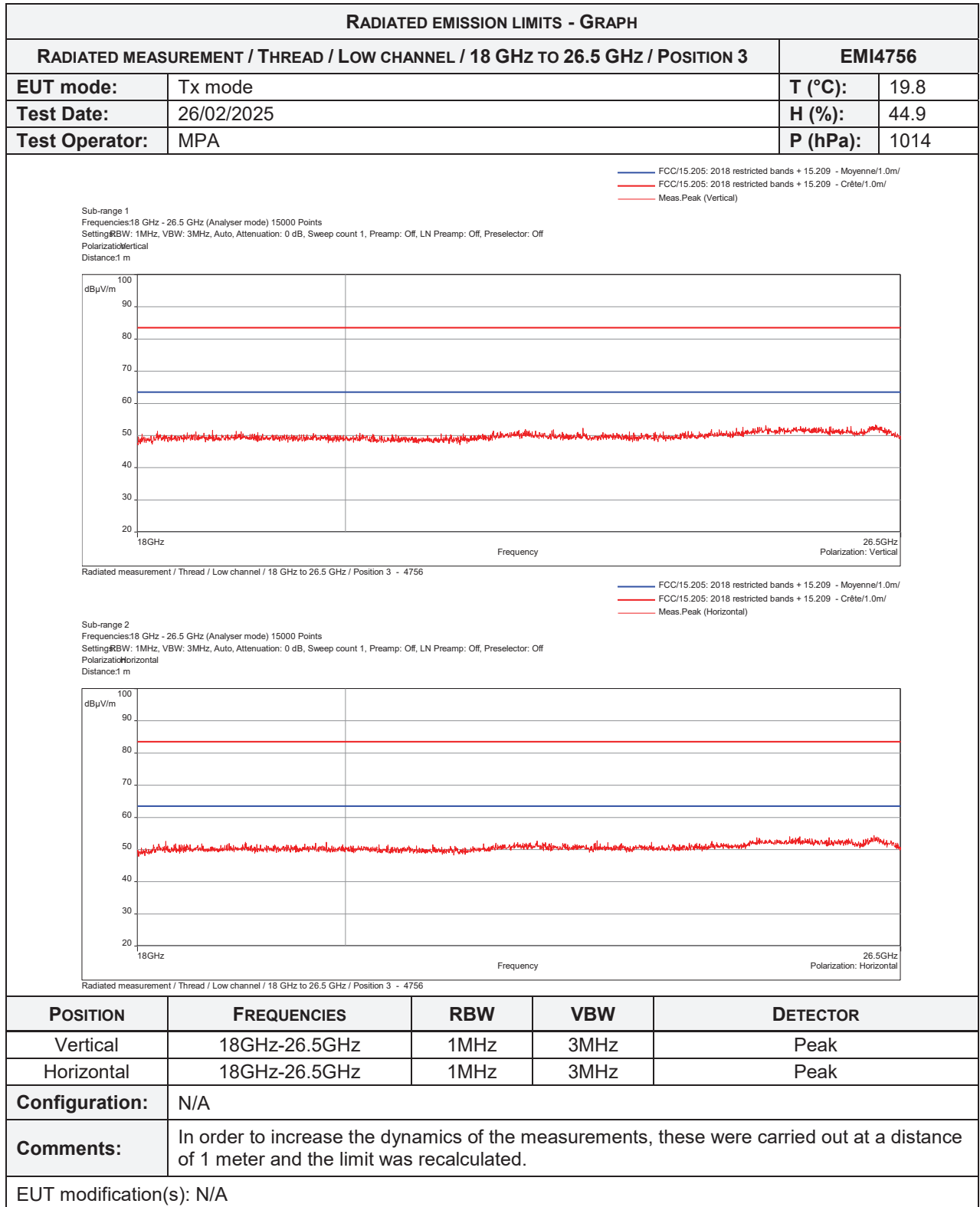


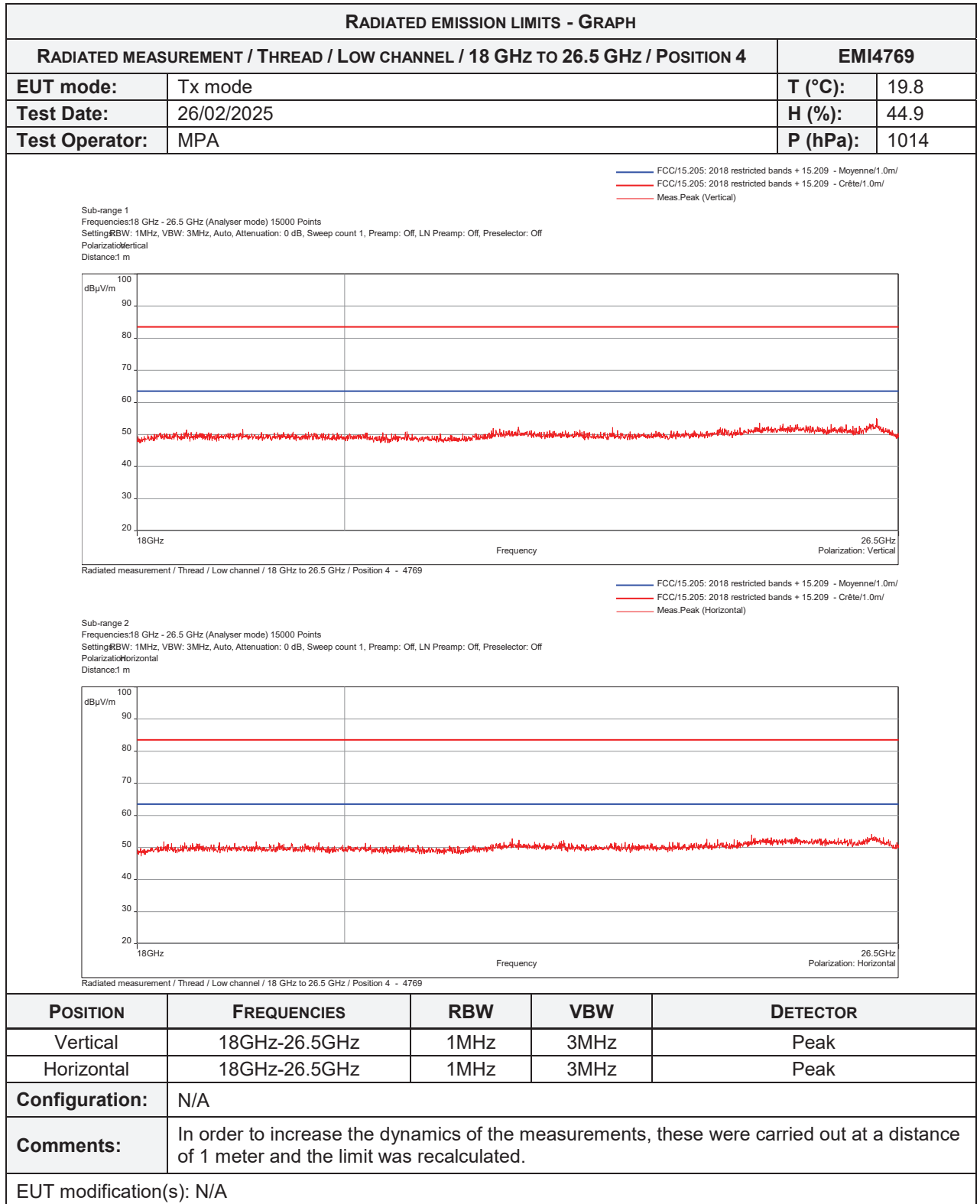


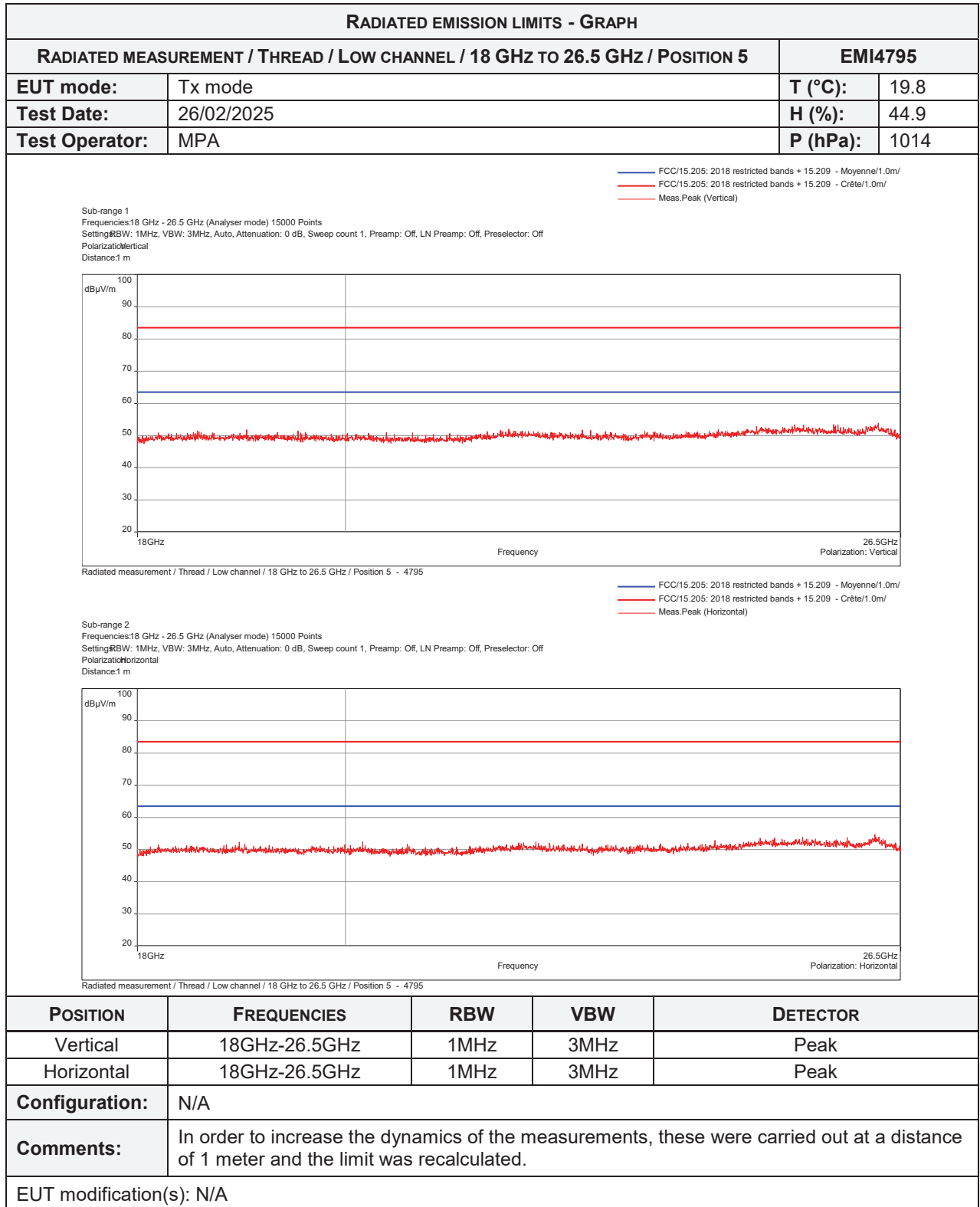


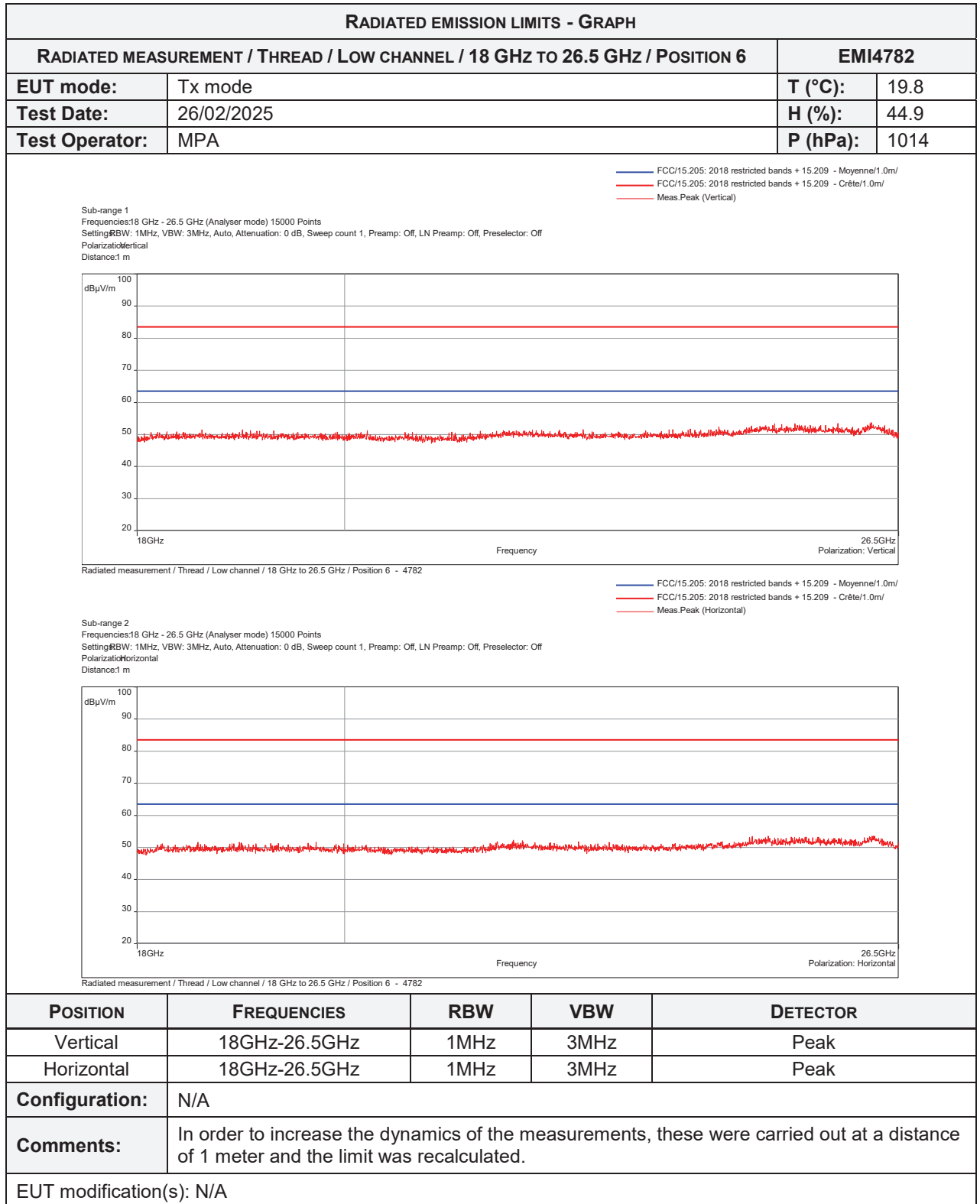


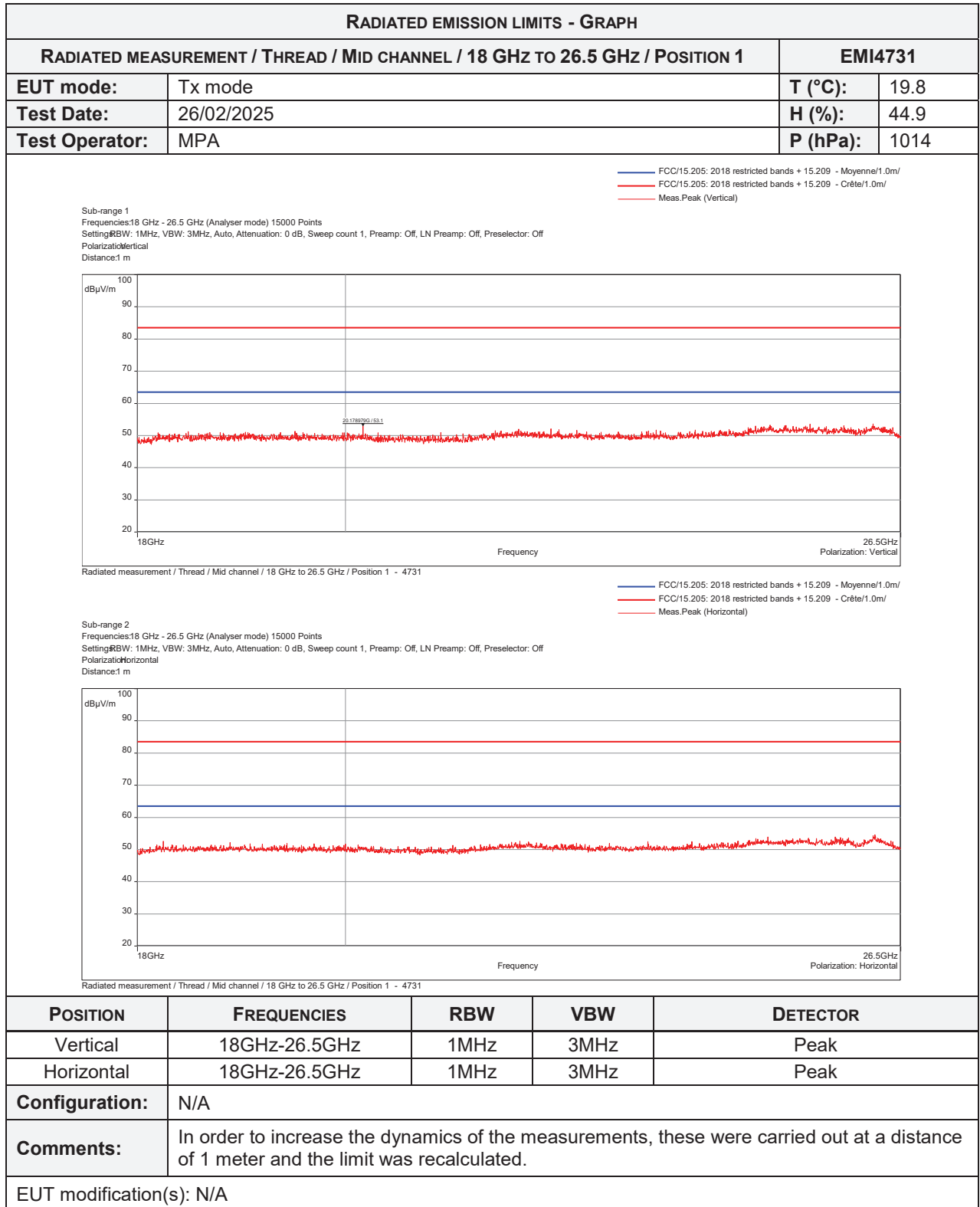


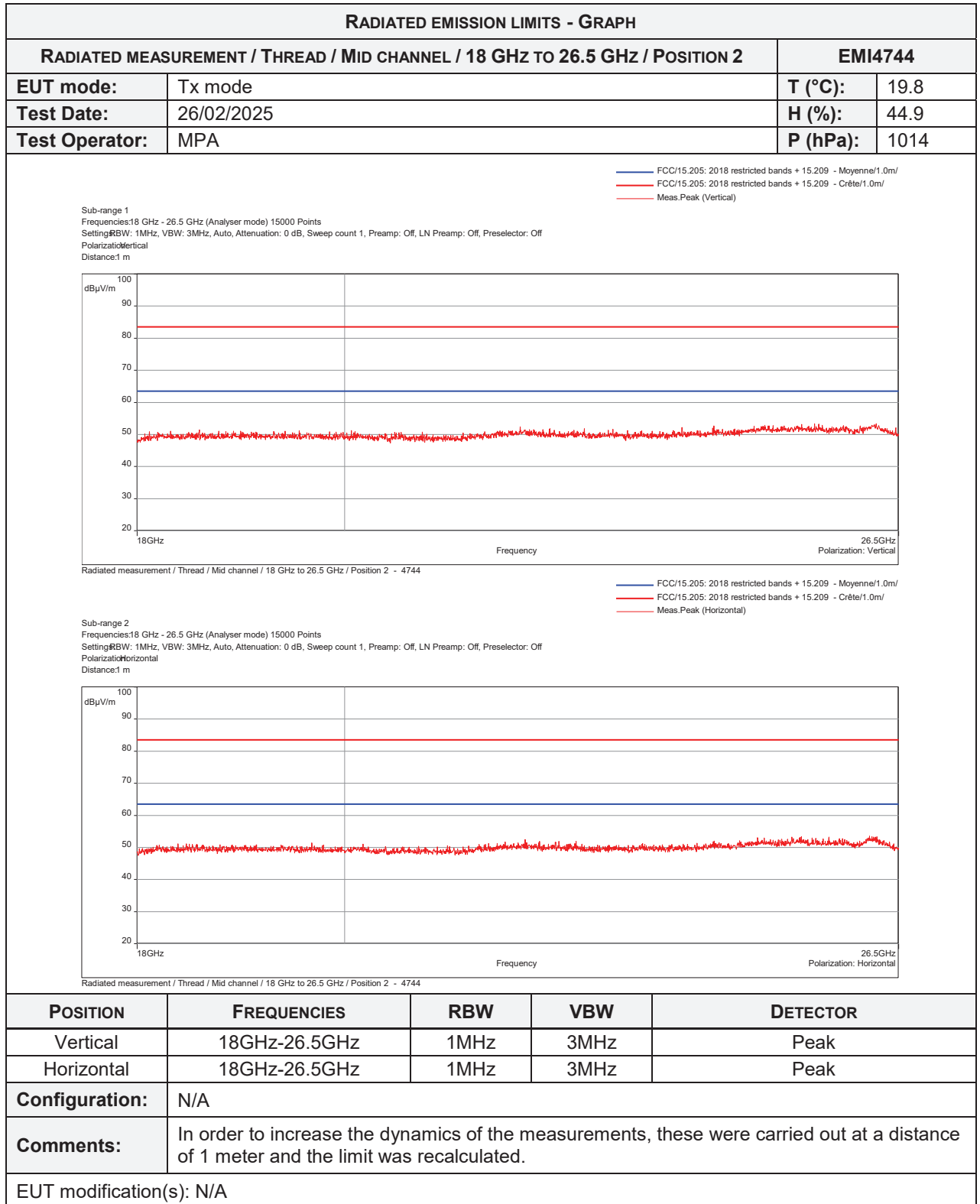


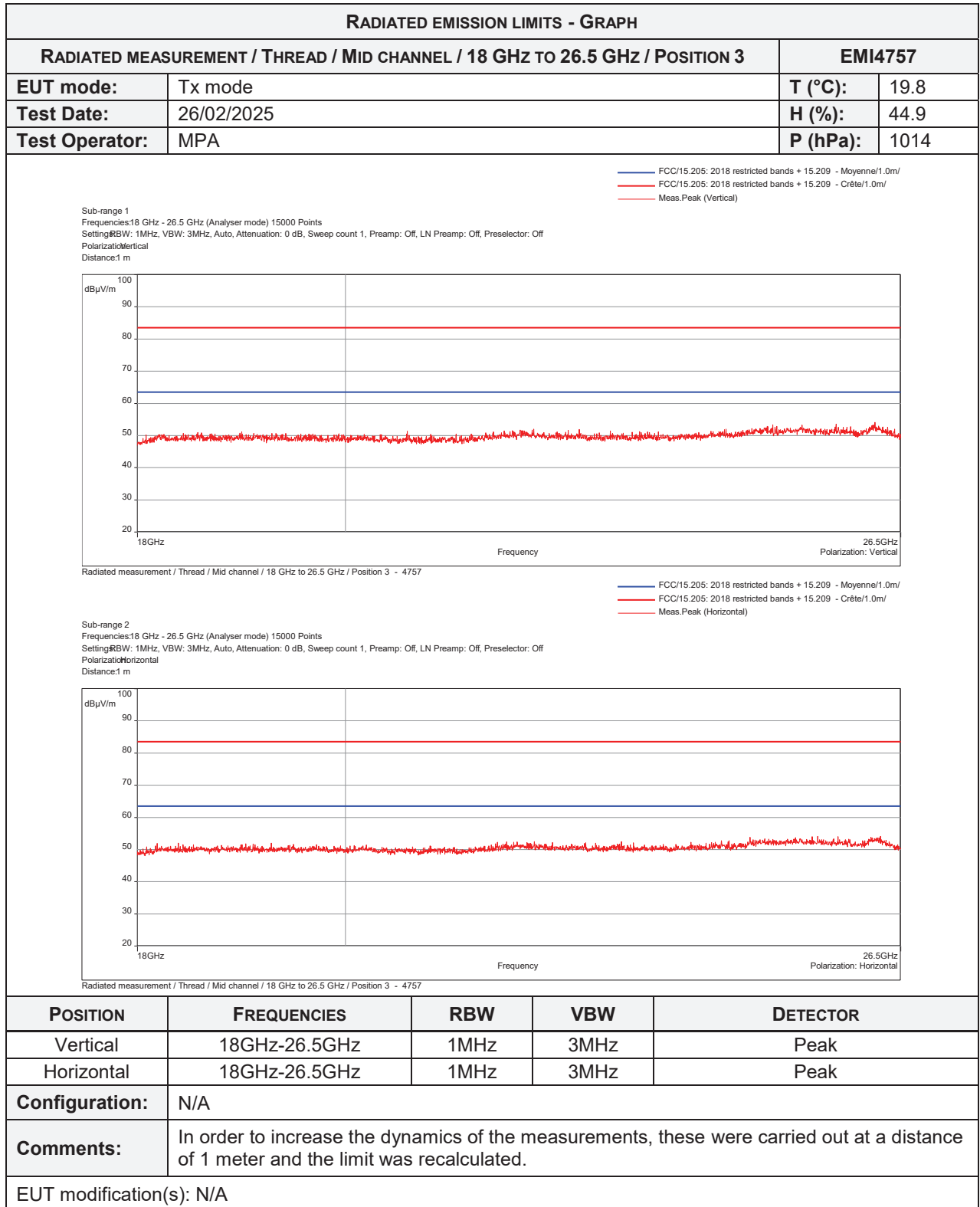


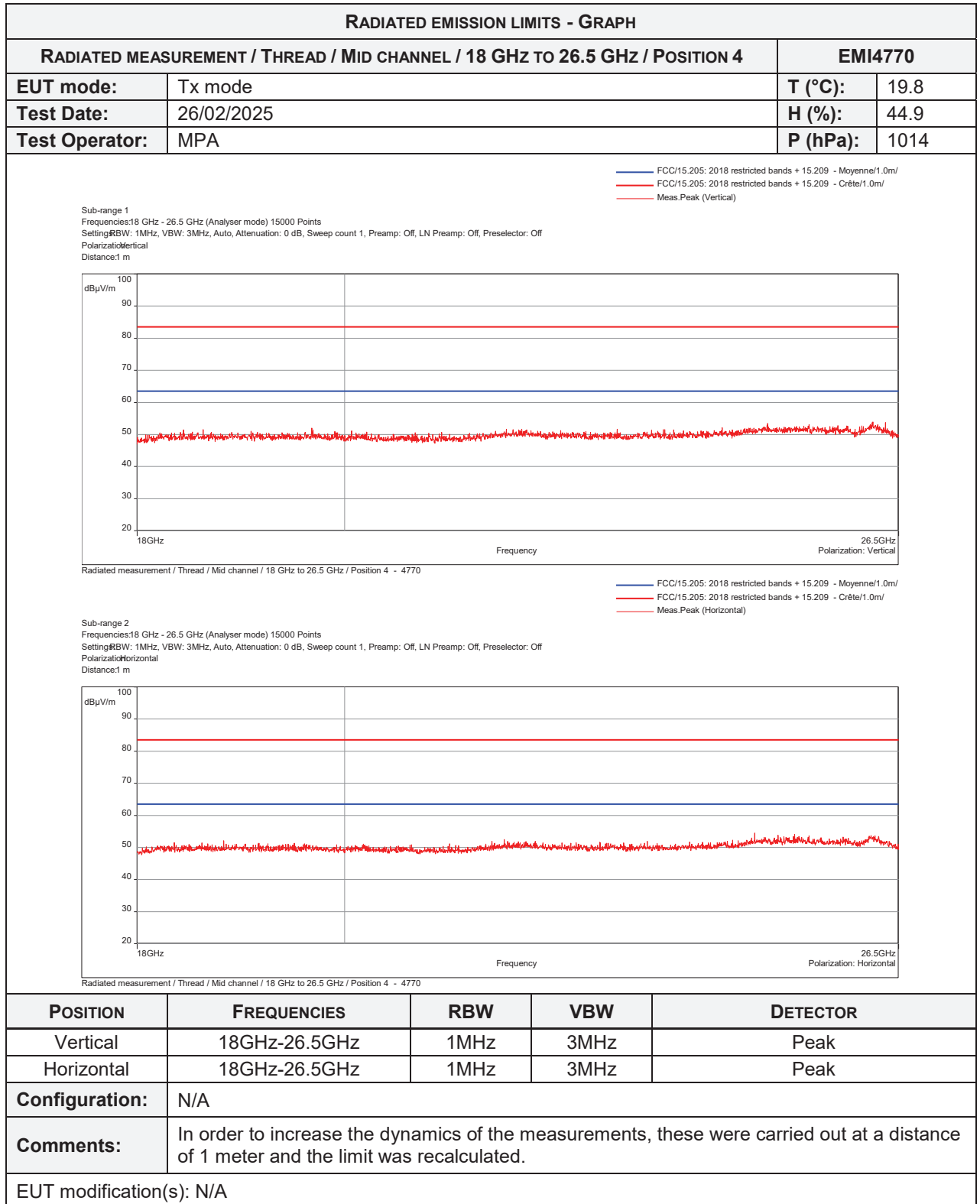


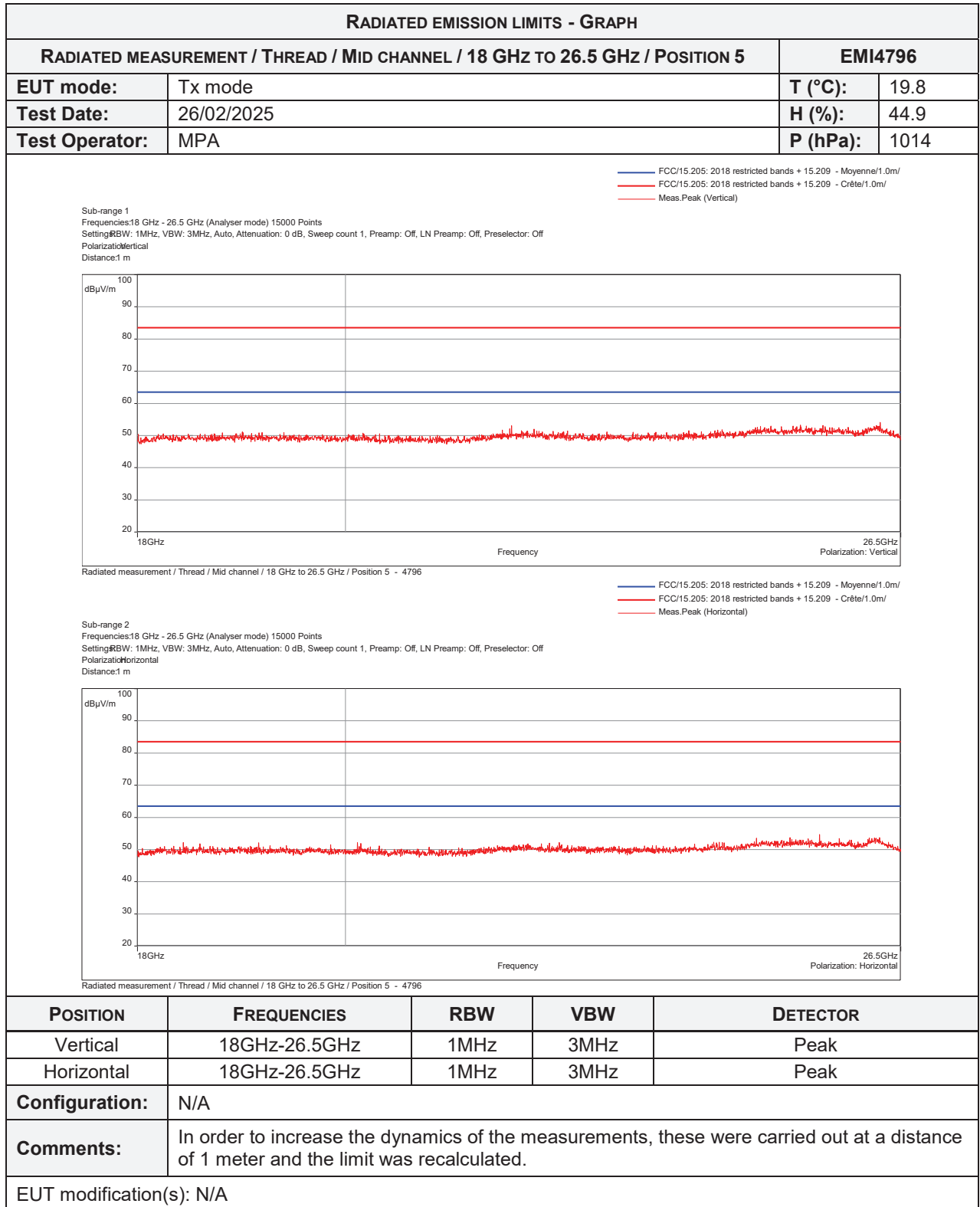


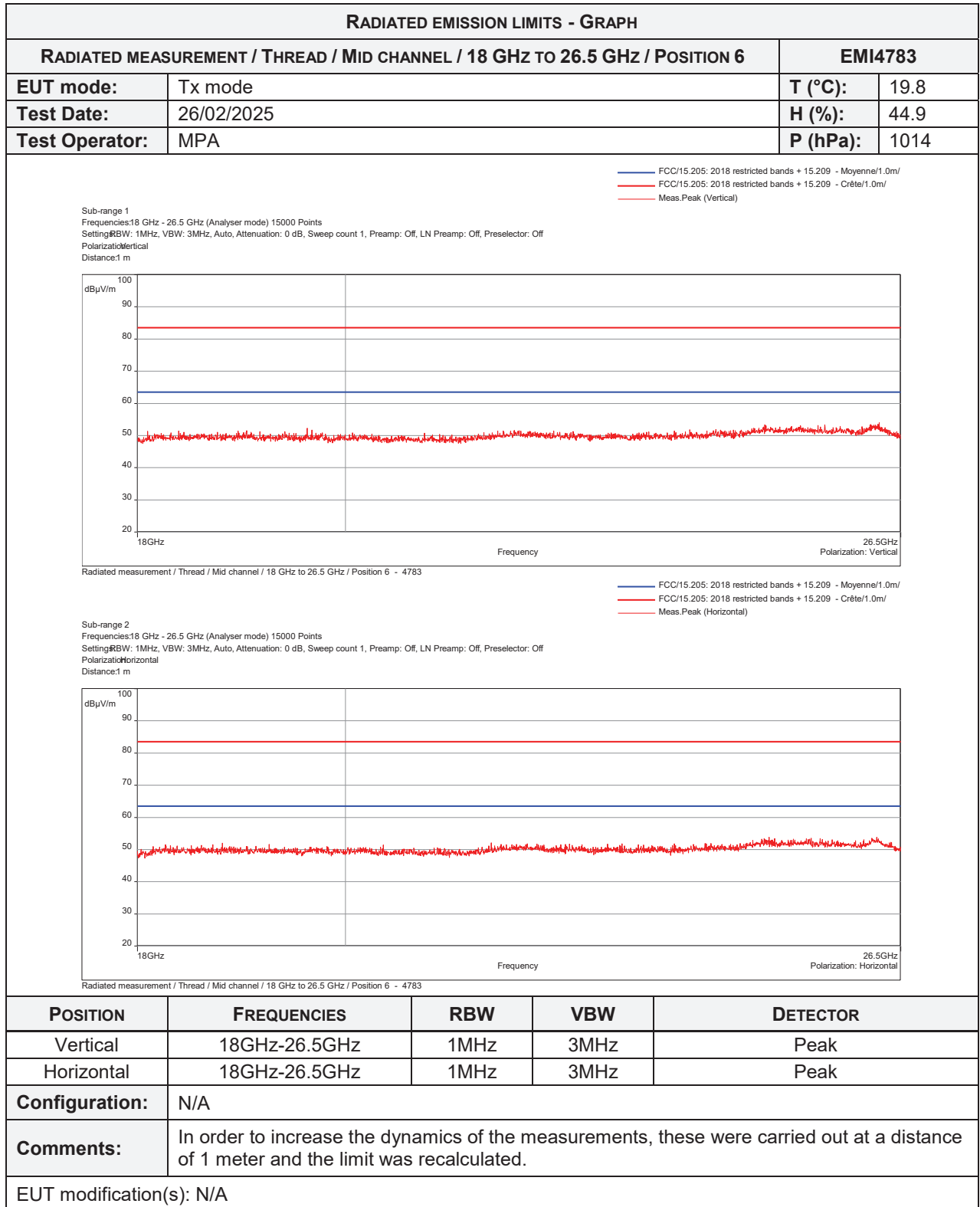


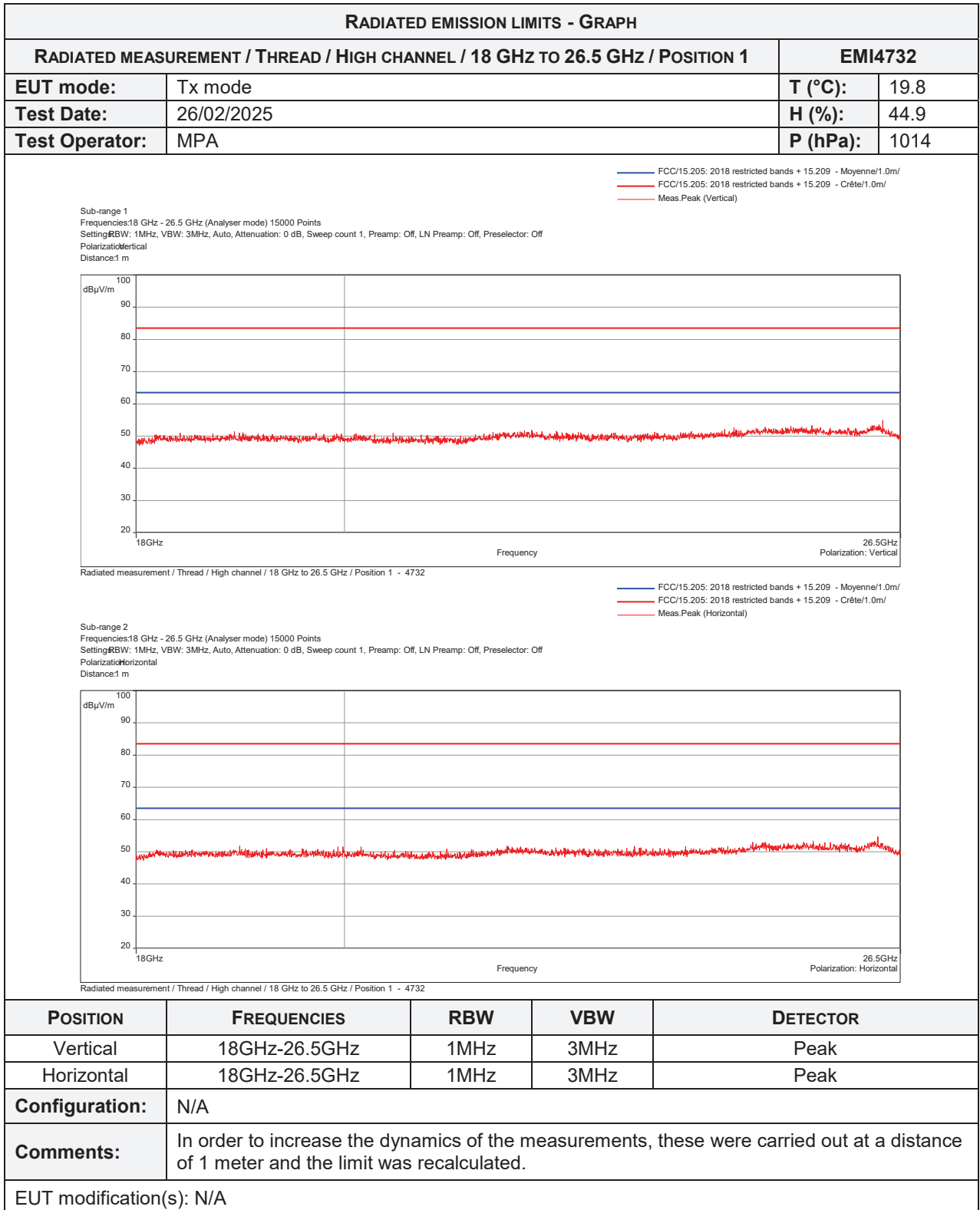


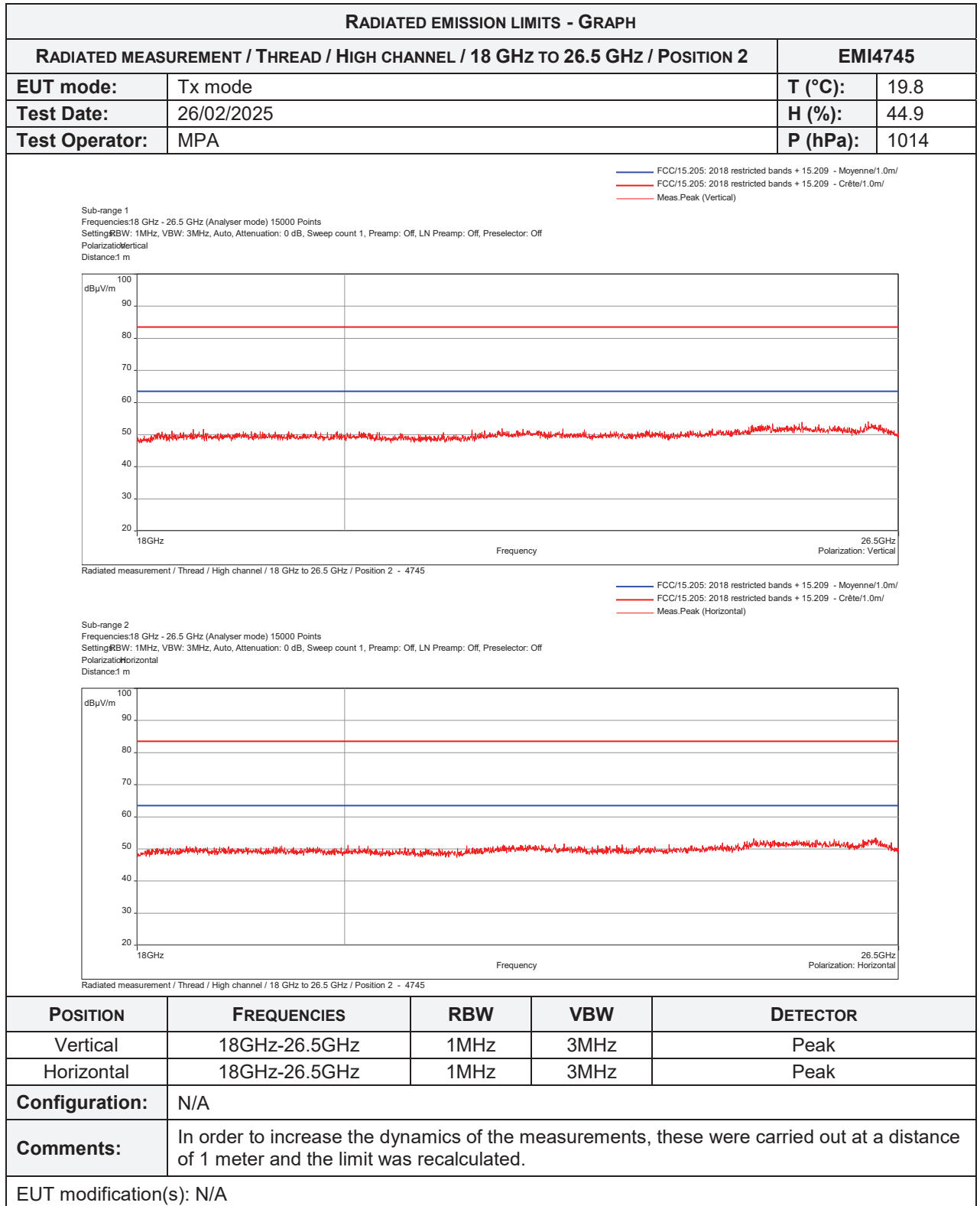


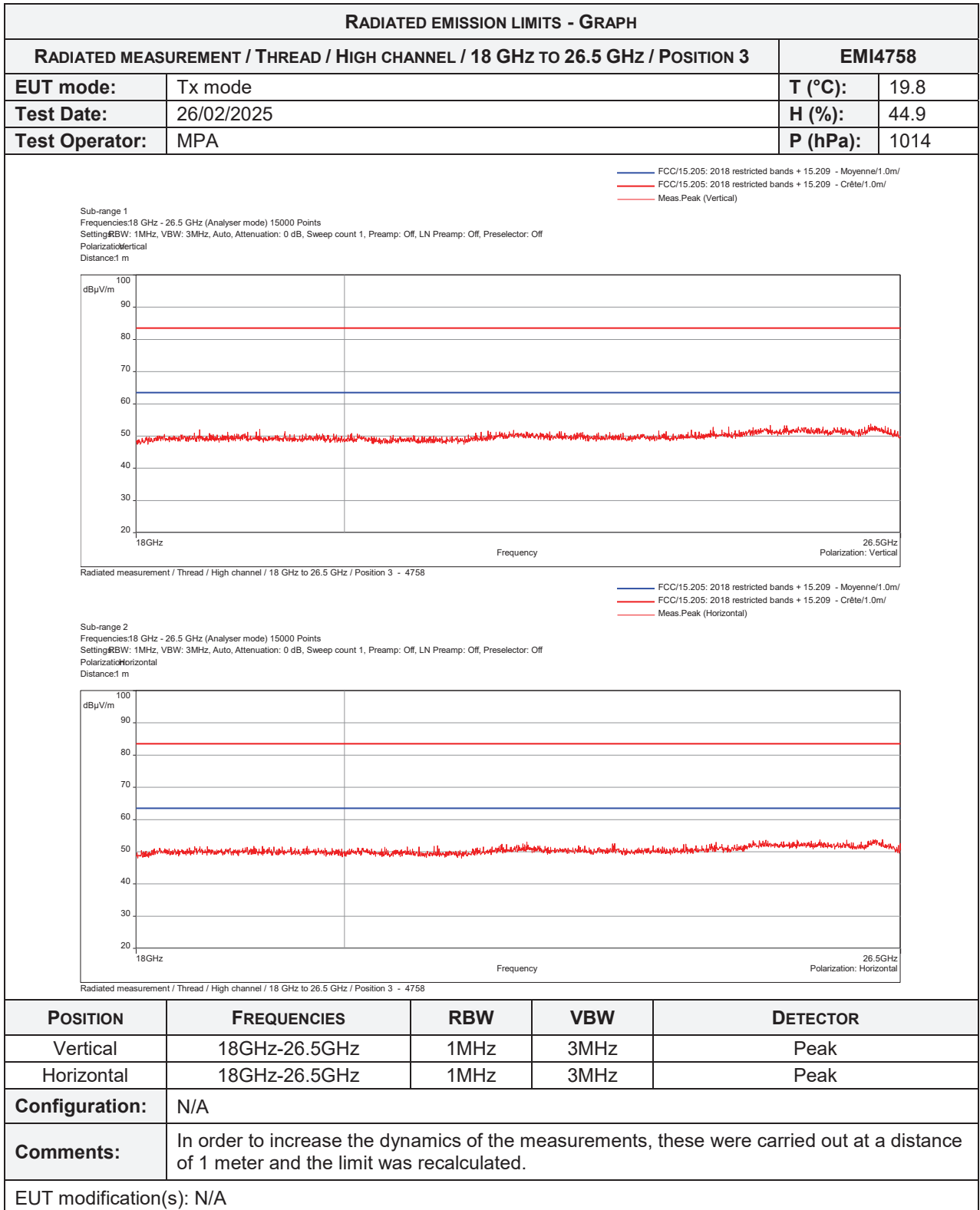


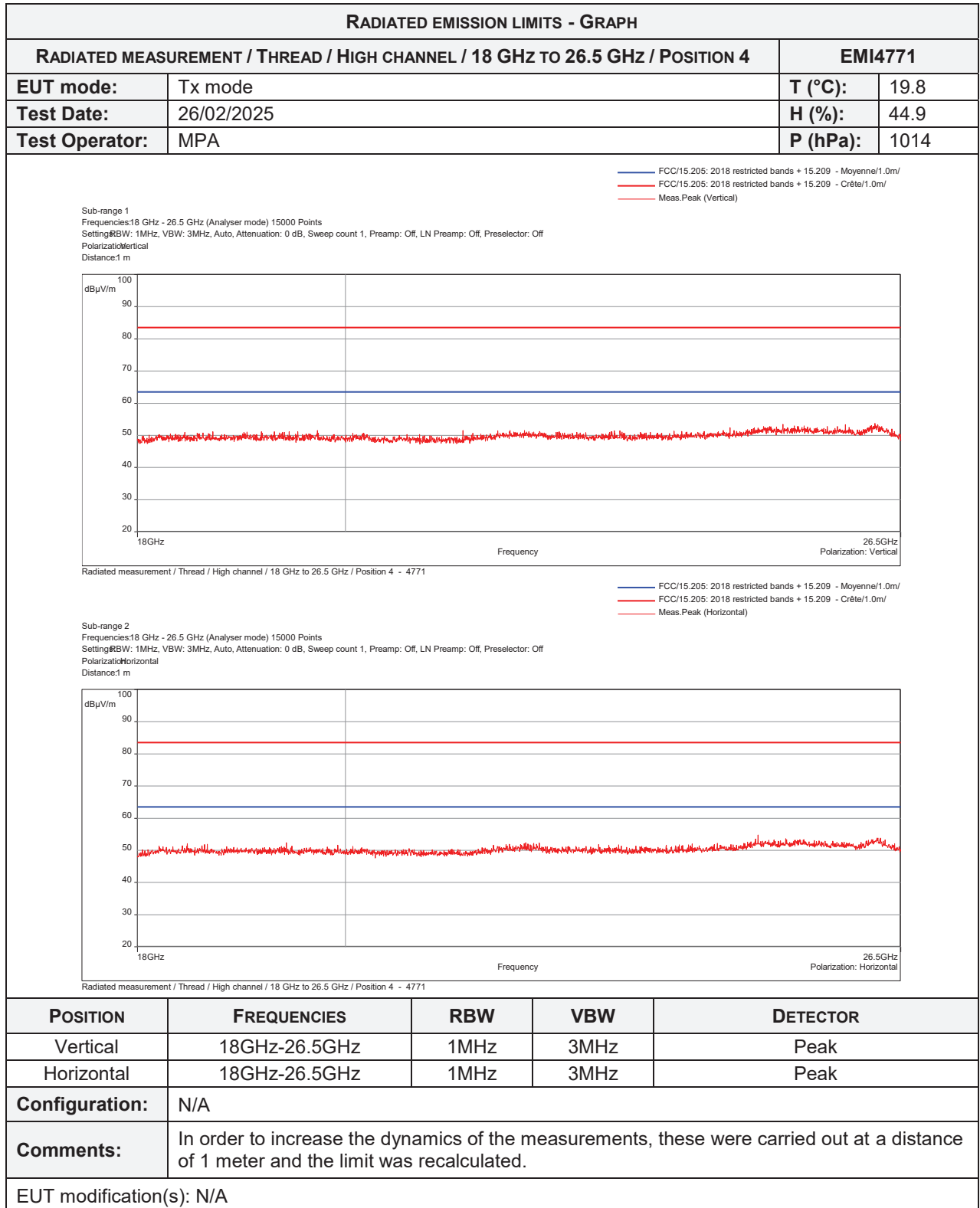


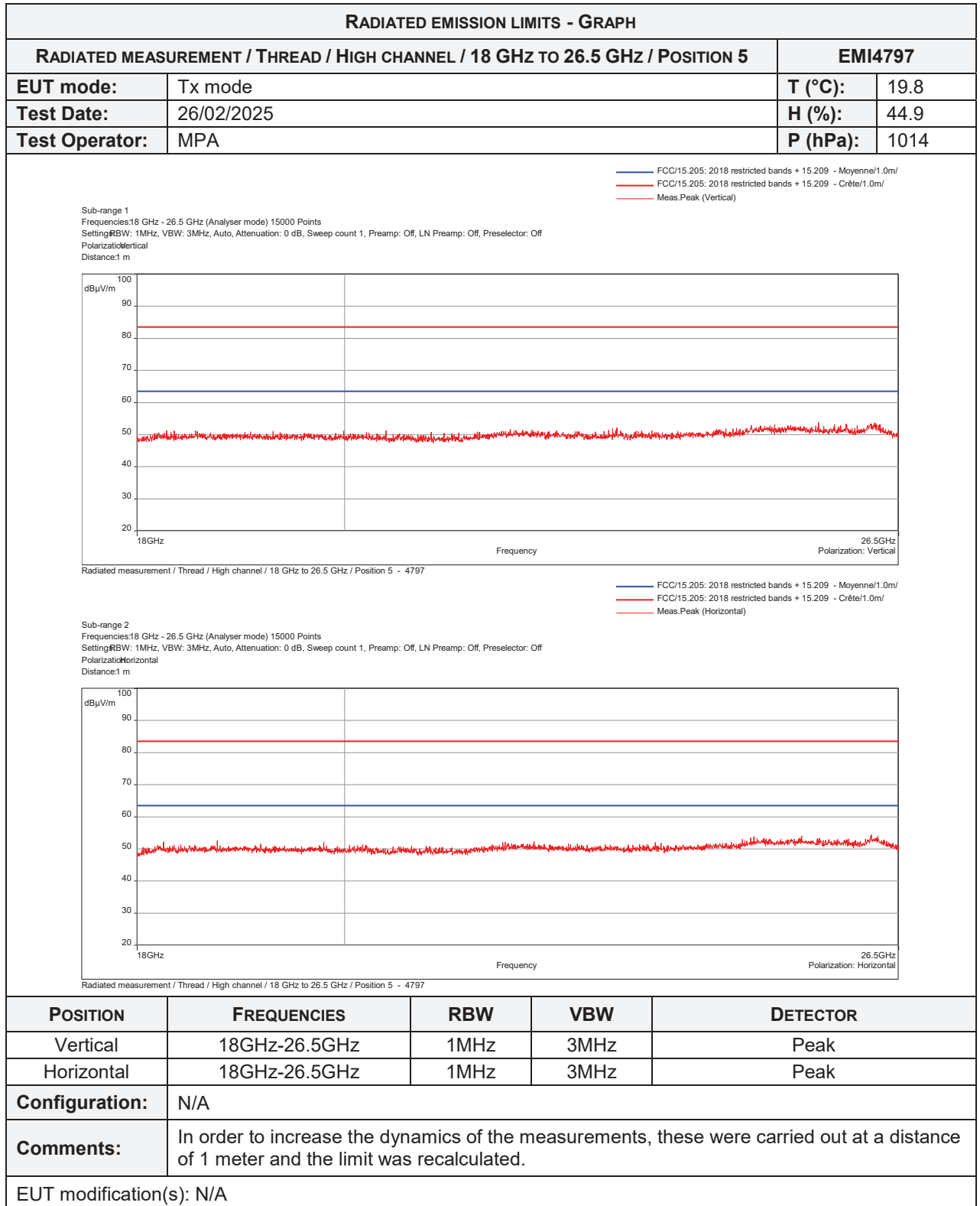


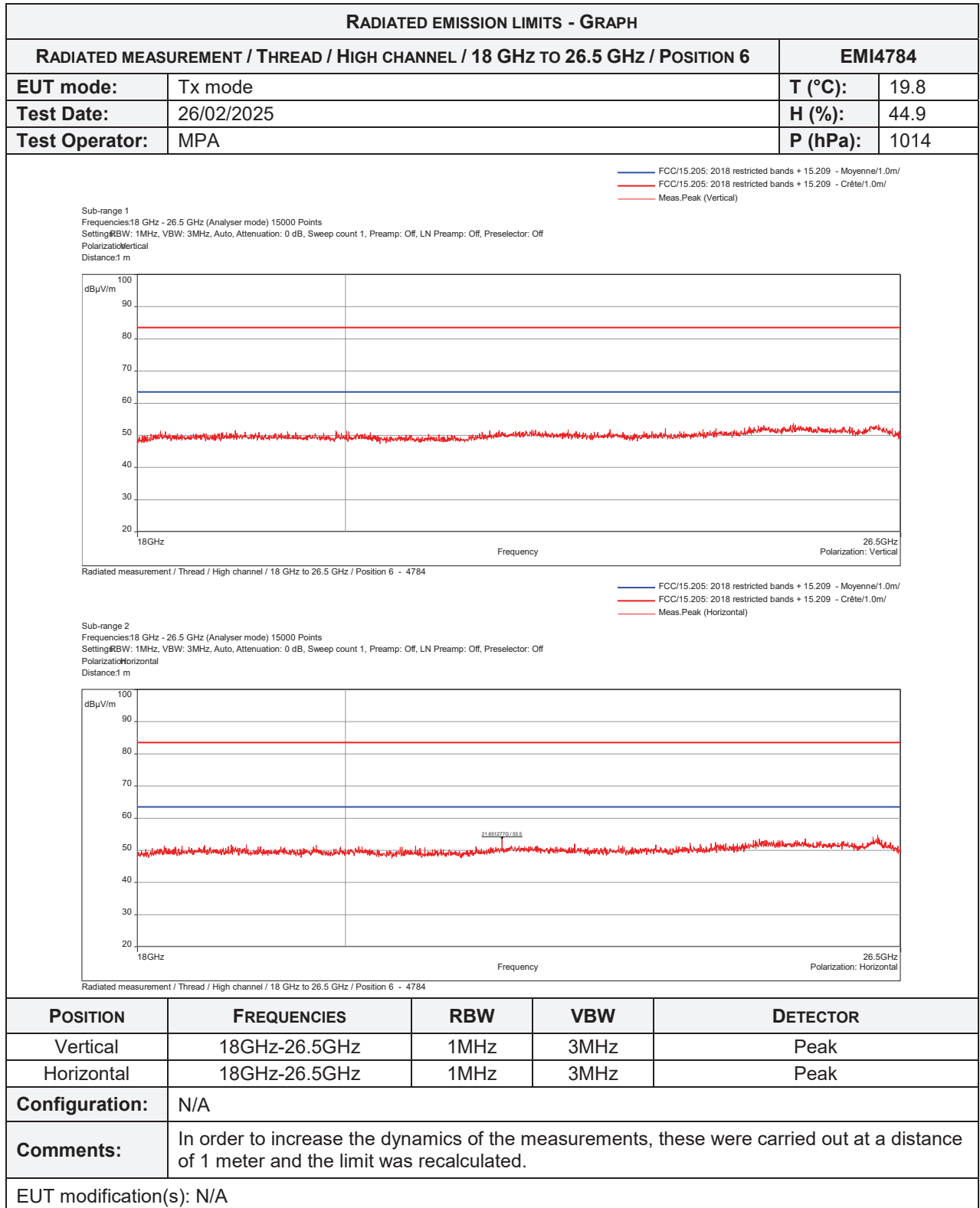












6.2.6dB bandwidth & 99% Occupied Bandwidth

Reference standard:	FCC part 15 Radio part 15.247 RSS-247 & RSS-GEN
Test method:	ANSI C63.10
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.. 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. EUT is connected to the measuring receiver via 50Ω attenuator(s).	

TESTED PARAMETER	RESULT	SEVERITY	RESULT TAB.	VERDICT
6 dB bandwidth / Low channel	1578.40 kHz	≥ 500 kHz	EMI6001	PASS
6 dB bandwidth / Mid channel	1590.72 kHz		EMI6002	PASS
6 dB bandwidth / High channel	1569.92 kHz		EMI6003	PASS
99% OBW / Low channel	2397.46 kHz	Within the band	EMI6004	PASS
99% OBW / Mid channel	2402.10 kHz		EMI6005	PASS
99% OBW / High channel	2253.05 kHz		EMI6006	PASS

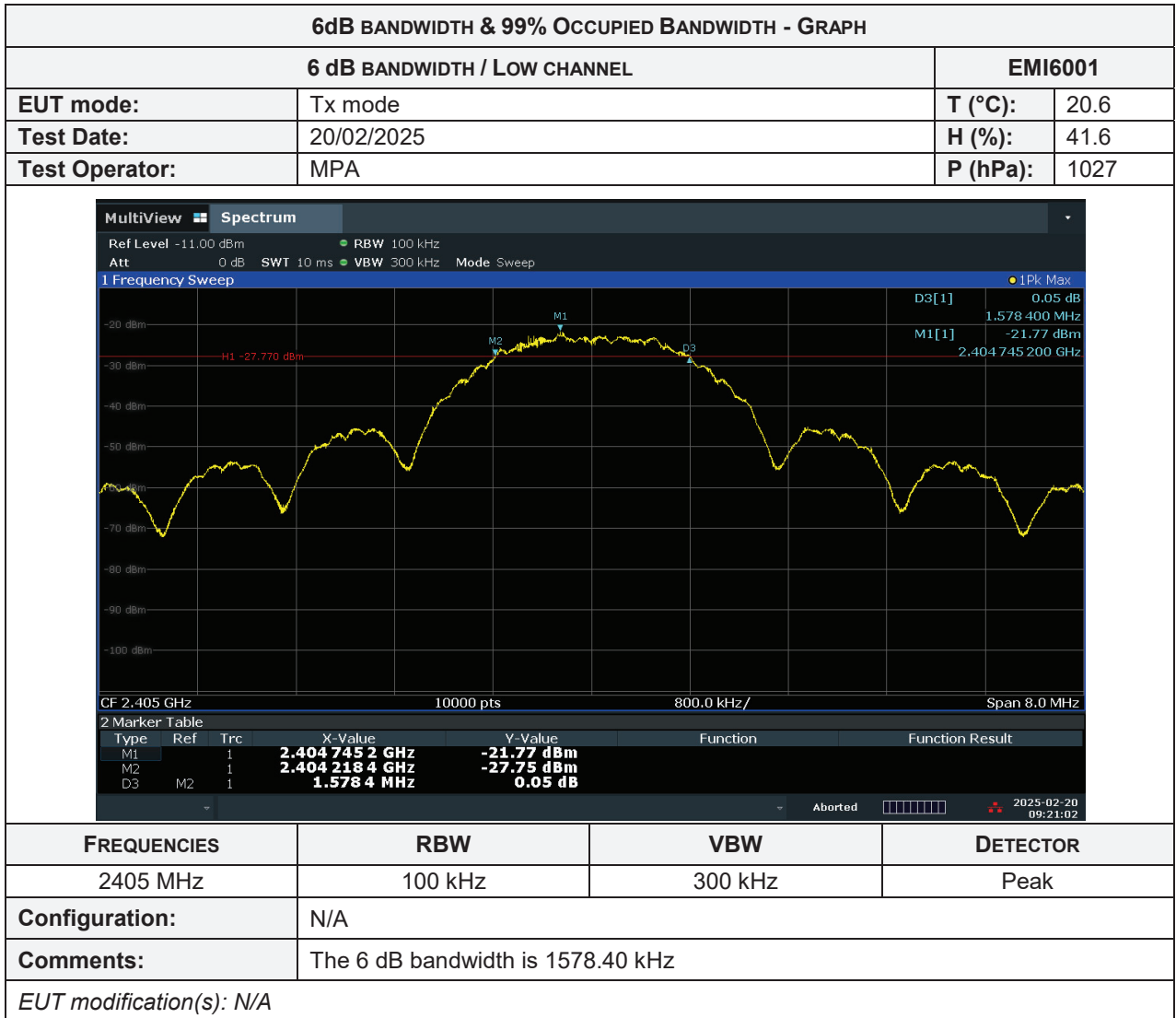
LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	See Graph(es)
Relative Humidity	20 to 75 %	See Graph(es)
Atmospheric pressure	N/A	See Graph(es)
Test method deviation: N/A		
Supplementary information: N/A		

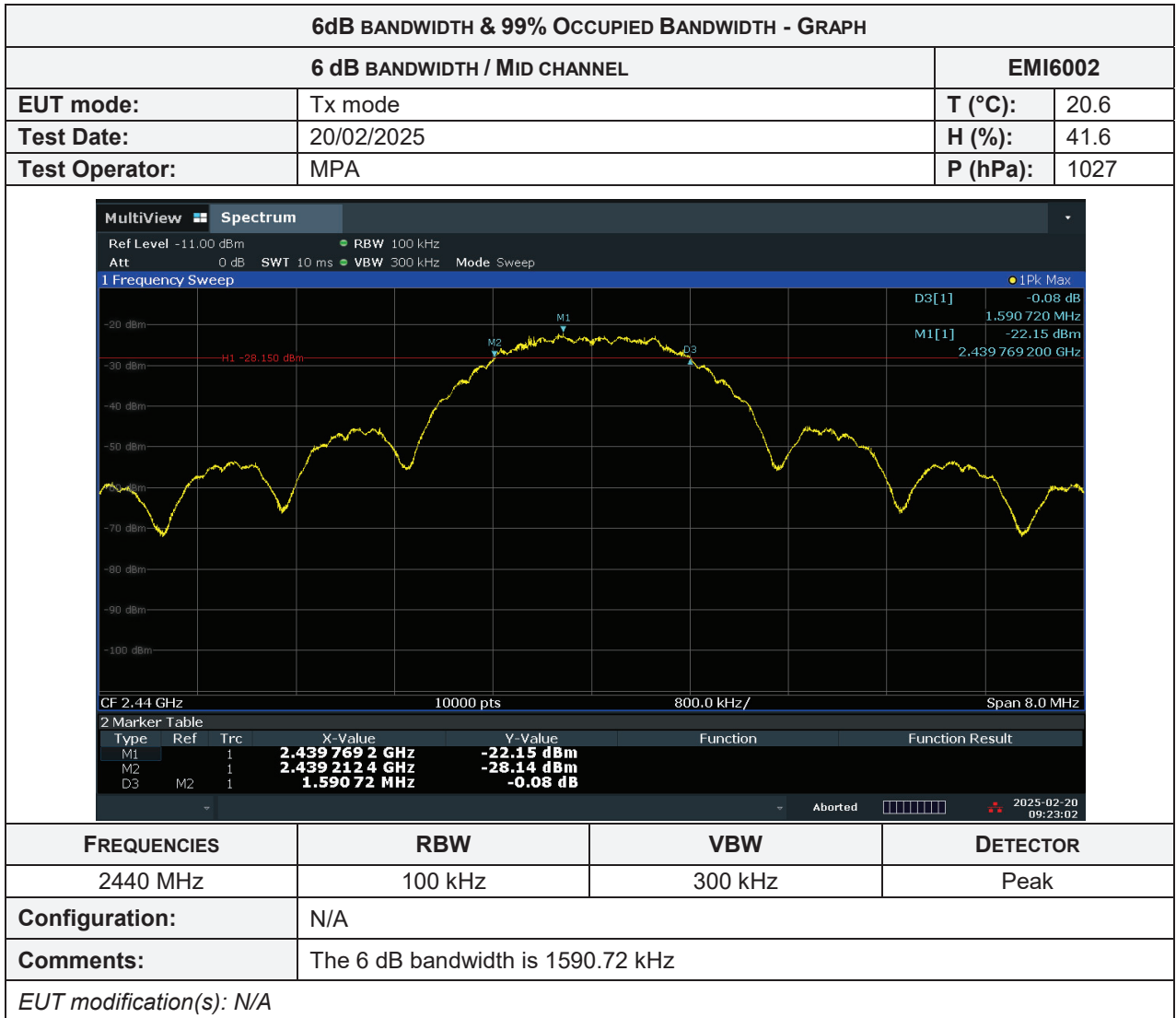
TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Attenuator	Techniwave	TWSMA-10dB-18G-SMA	14673	30/01/2023	30/03/2026
Attenuator	Techniwave	TWSMA-20dB-18G-SMA	14679	07/03/2023	07/05/2026
Cable	Radiall	SMA-1m	16563	16/08/2023	16/10/2025
Spectrum analyzer	Rohde & Schwarz	FSW43	14830 ⁽¹⁾	31/08/2022	31/04/2025
Thermo-Hygromètre	Testo	608-H1	19386	08/03/2024	08/05/2026
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

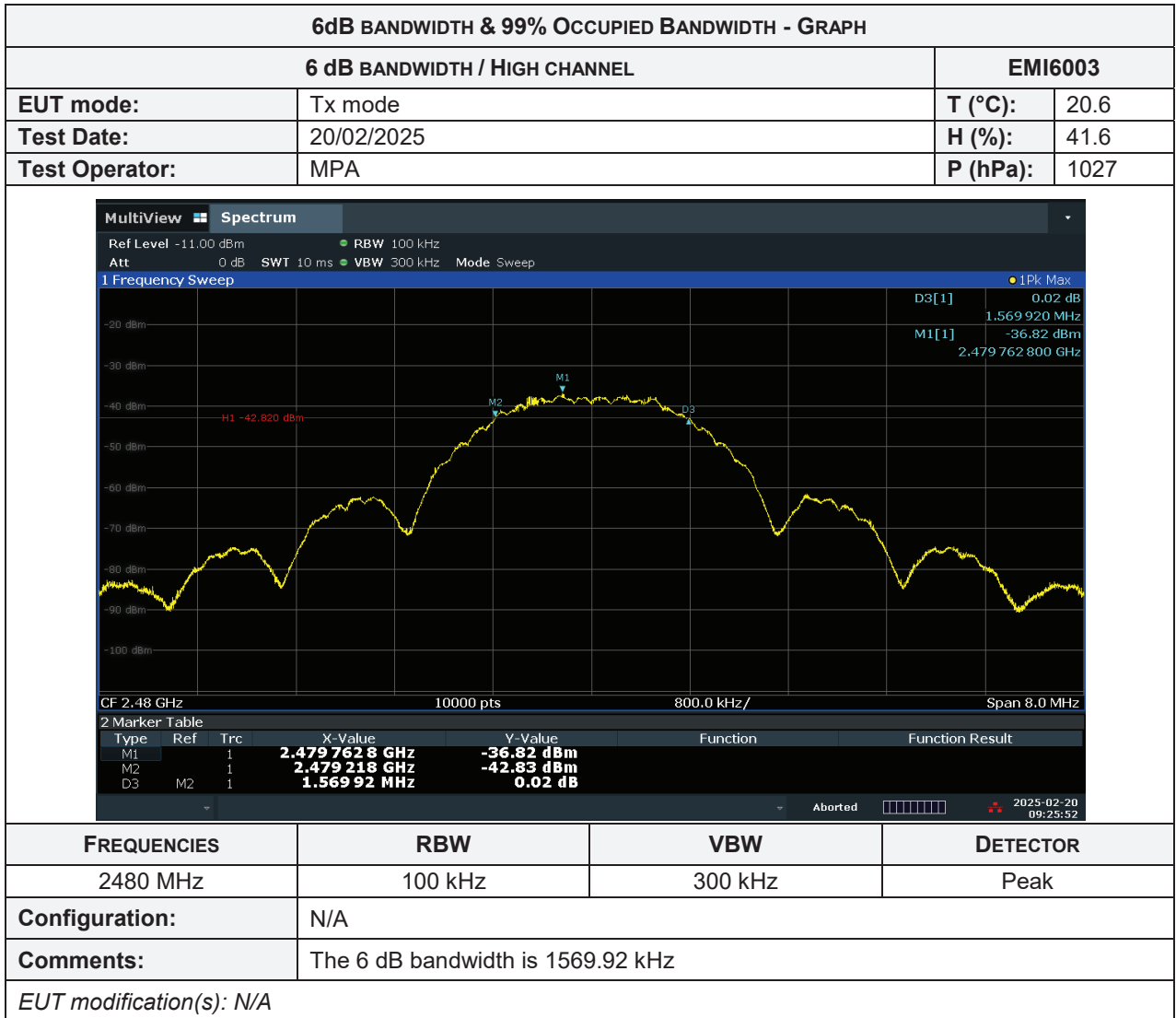
BAT-EMC software version: V3.18.0.26

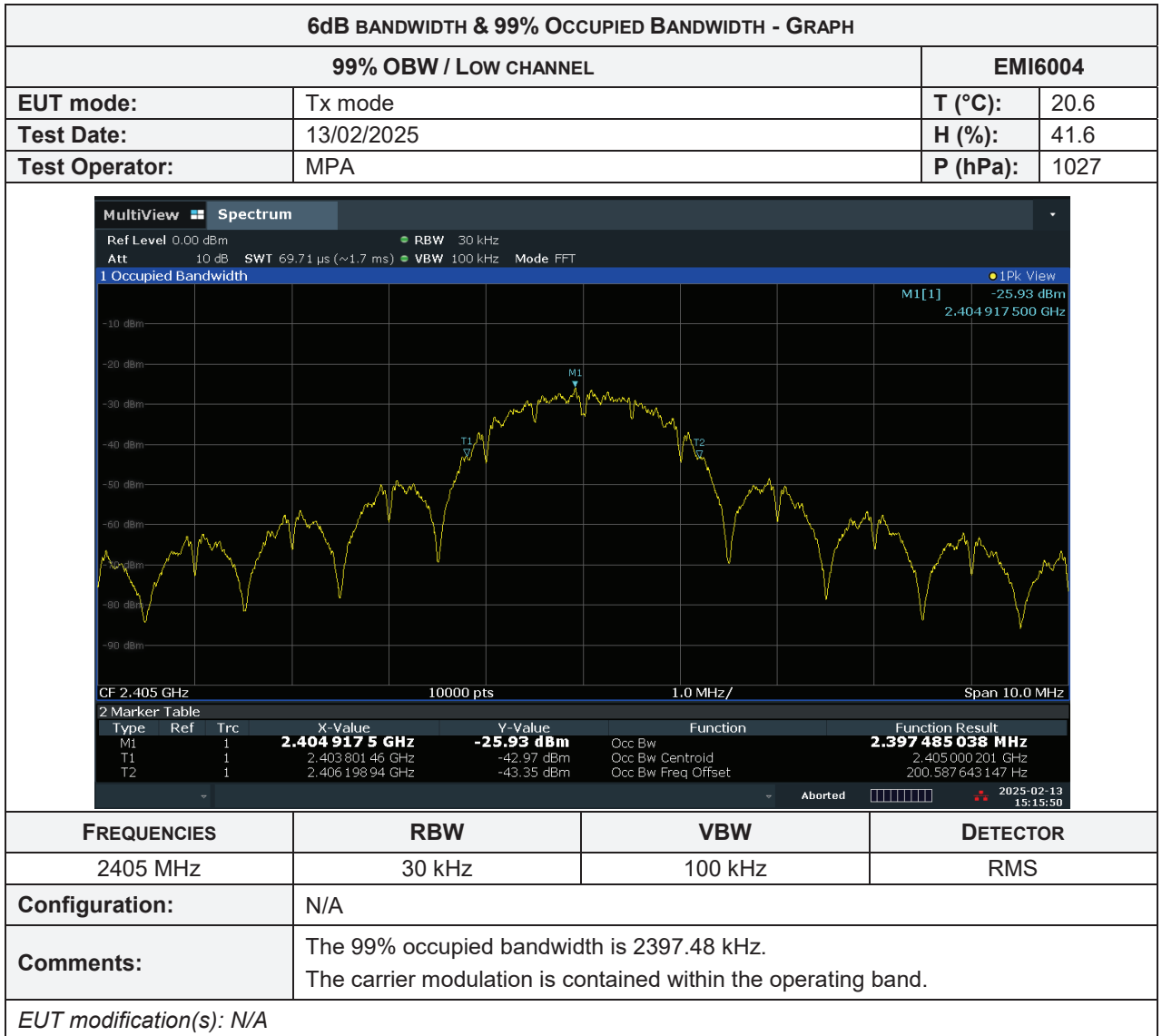
Blank cells = Permanent validity

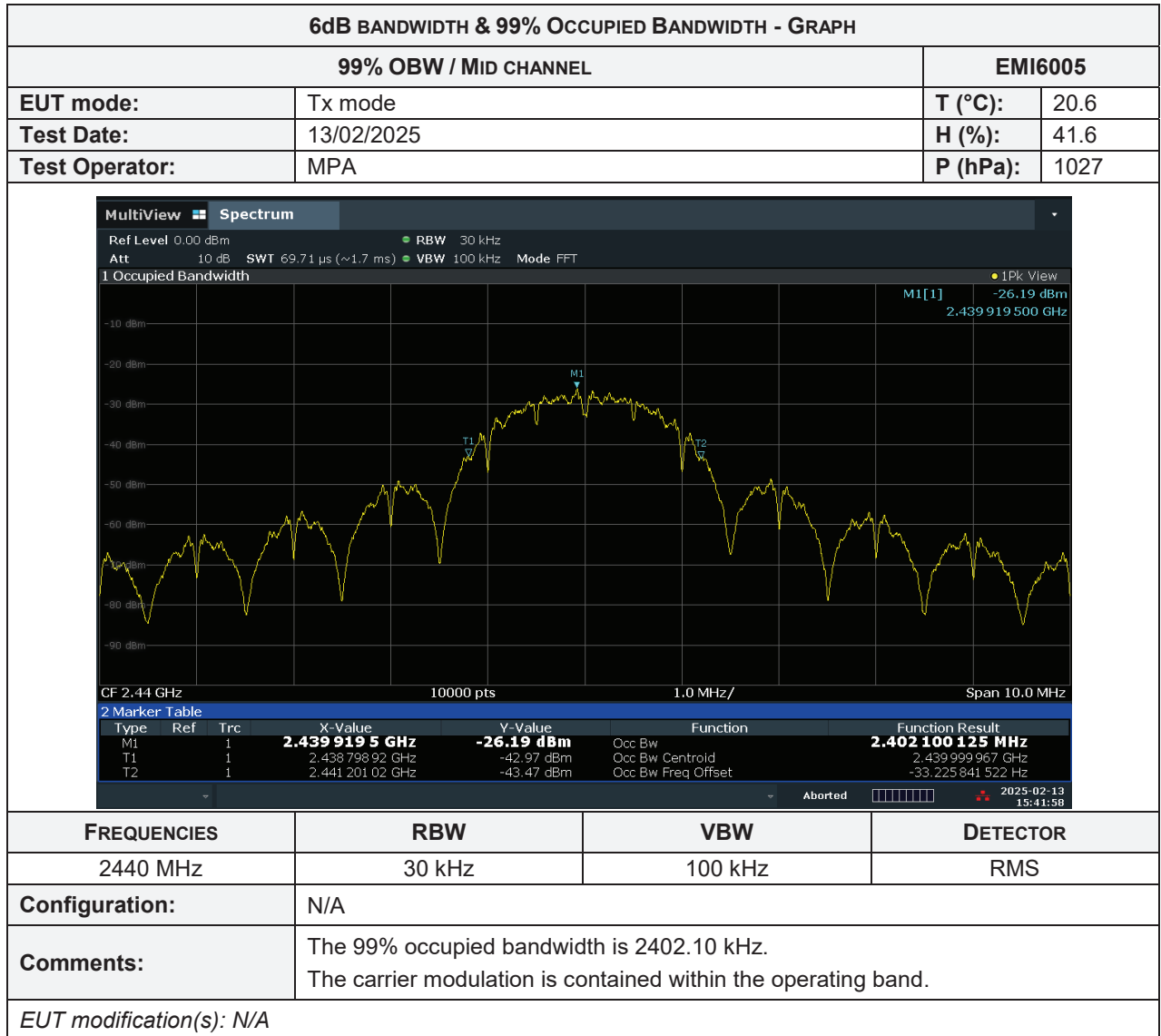
(1) Under derogation EQSDER000S4100139

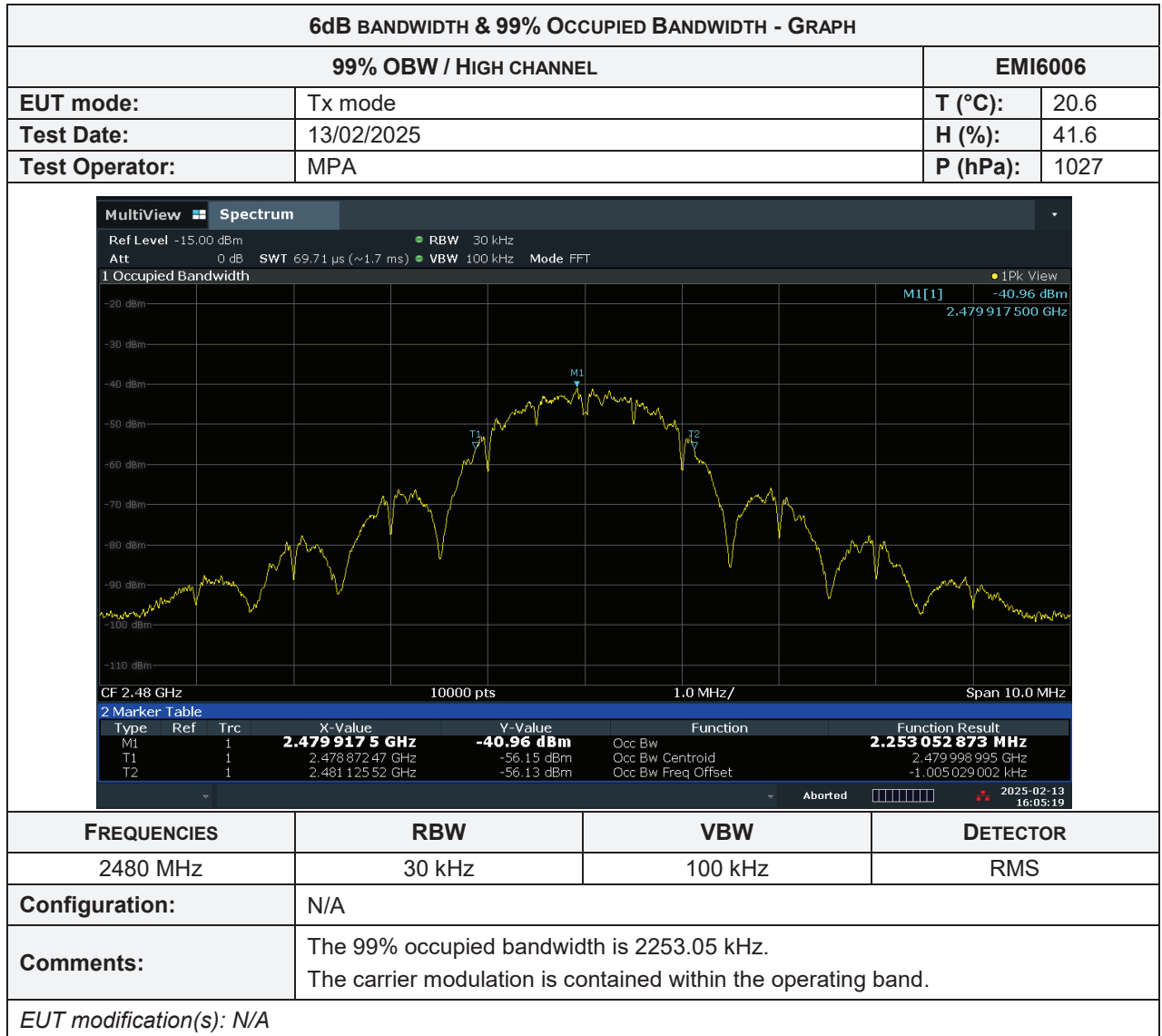












6.3. Maximum peak power of the intentional radiator

Reference standard:	FCC 47 CFR PART 15.247 RSS-247
Test method:	ANSI C63.10
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
RF output power / Thread / Low channel / Position 1	2.38GHz-2.43GHz	1 W (30 dBm)	EMI4685	PASS
RF output power / Thread / Low channel / Position 2			EMI4686	PASS
RF output power / Thread / Low channel / Position 3			EMI4687	PASS
RF output power / Thread / Low channel / Position 4			EMI4688	PASS
RF output power / Thread / Low channel / Position 5			EMI4689	PASS
RF output power / Thread / Low channel / Position 6			EMI4690	PASS
RF output power / Thread / Mid channel / Position 1	2.415GHz-2.465GHz		EMI4692	PASS
RF output power / Thread / Mid channel / Position 2			EMI4693	PASS
RF output power / Thread / Mid channel / Position 3			EMI4694	PASS
RF output power / Thread / Mid channel / Position 4			EMI4695	PASS

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
RF output power / Thread / Mid channel / Position 5	2.455GHz-2.505GHz		EMI4696	PASS
RF output power / Thread / Mid channel / Position 6			EMI4697	PASS
RF output power / Thread / High channel / Position 1			EMI4699	PASS
RF output power / Thread / High channel / Position 2			EMI4700	PASS
RF output power / Thread / High channel / Position 3			EMI4701	PASS
RF output power / Thread / High channel / Position 4			EMI4702	PASS
RF output power / Thread / High channel / Position 5			EMI4703	PASS
RF output power / Thread / High channel / Position 6			EMI4704	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	<i>See Graph(s)</i>
Relative Humidity	20 to 75 %	<i>See Graph(s)</i>
Atmospheric pressure	N/A	<i>See Graph(s)</i>
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
Attenuator	EMITECH	SUB.V4-H	18112	03/06/2024	03/08/2025
Attenuator	EMITECH	SUB.V4-V	18111	03/06/2024	03/08/2025
Cable	/	N-1m	3625	02/05/2023	02/07/2025
Cable	Techniwave	N-2.5m	18350	17/08/2023	17/10/2025
Cable	Techniwave	N-3.5m	18352	17/08/2023	17/10/2025
Receiver	Rohde & Schwarz	FSW43	14830 ⁽¹⁾	31/08/2022	31/04/2025
Shielded enclosure	COMTEST	C.V4	18014	05/11/2024	05/01/2028
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H1	7562	28/09/2023	28/11/2025
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

(1) Under derogation EQSDER000S4100139

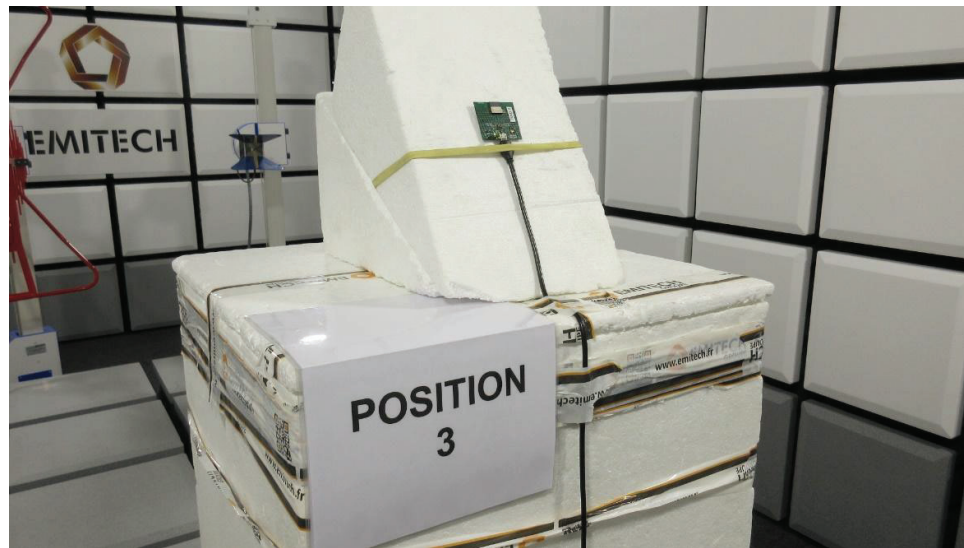
TEST SETUP PHOTO(S) – EUT POSITION 1



TEST SETUP PHOTO(S) – EUT POSITION 2



TEST SETUP PHOTO(S) – EUT POSITION 3



TEST SETUP PHOTO(S) – EUT POSITION 4

