



Test report issued under the responsibility of:
EMITECH MONTPELLIER laboratory
MRA US-EU Designation Number: FR0006
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RADIO TEST REPORT

FCC 47 CFR PART 15
RSS-210: Issue 10
(Partial Tests)

Company : **STMICROELECTRONICS (Rousset) SAS**
Address..... : 190 AVENUE CELESTIN COQ
13106 ROUSSET
FRANCE

Test item description : **NFC card reader evaluation board**
Trade Mark : STMICROELECTRONICS
Manufacturer..... : STMICROELECTRONICS
Model/Type reference..... : STEVAL-25R200SA
FCC ID..... : YCPR200AD1
IC : 8976A-R200AD1
Ratings..... : 5 Vdc

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

Report Reference No : **RR-EVE-24C933-4A**
Test procedure : FCC IC Verification
Diffusion..... : Mr DAUBOIS
Applicant's name : STMICROELECTRONICS
Date of issue..... : October 18, 2024
Total number of pages..... : 63
Revision : 0
Compiled by..... : Morgan PATEY
Approved by (+ signature) : David MONTAULON (Technical Manager)

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

REPORT INDEX:

1. GENERAL INFORMATIONS	3
2. REFERENCE DOCUMENT(S)	4
3. EQUIPMENT TECHNICAL DESCRIPTION	5
3.1. TEST CONDITIONS	5
3.2. EUT MARKING PLATE	5
3.3. E.U.T. GENERAL VIEW	6
3.4. EUT MECHANICAL AND ELECTRICAL DESIGN	8
3.5. EUT INPUT/OUTPUT PORTS	8
3.6. SUPPORTING EQUIPMENT USED DURING TEST	9
3.7. EUT RADIO SPECIFICATIONS	10
4. RESULT SUMMARY	11
5. MEASUREMENT UNCERTAINTY	12
6. TEST CONDITIONS AND RESULTS	13
6.1. RADIATED SPURIOUS EMISSIONS	13
6.2. FIELD STRENGTH IN THE BAND 13.553-13.567MHZ	59

REVISION HISTORY:

Revision	Date	Modified pages	Modifications
0	October 18, 2024	/	Creation

1. GENERAL INFORMATION

This document submits the results of Radio tests performed on the equipment **NFC demo board STEVAL-25R200SA** (denominated hereafter E.U.T.: equipment under test) according to document(s) listed in §2 of this test report.

TESTING PROCEDURE AND TESTING LOCATION:					
Testing Location		EMITECH MONTPELLIER laboratory			
Address.		145 rue de Massacan 34740 VENDARGUES FRANCE			
Test procedure.		FCC IC Verification			
Tested by		Morgan PATEY			
Test supervisor		None			
Date of receipt of test item		N/A			
Date (s) of performance of tests		From May 30 th to 31 st of 2024			
APPLICANT'S GENERAL INFORMATION:					
Company name		STMICROELECTRONICS (Rousset) SAS			
Company address.		190 AVENUE CELESTIN COQ 13106 ROUSSET FRANCE			
Person(s) present during the tests.		No representative for company attended the tests.			
Responsible		Mr DAUBOIS			
GENERAL REMARKS:					
The information in <i>italics</i> 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
OATS	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

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: March 2024

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

FCC Part 15.225

Operation within the bands 13.553-13.567MHz

RSS-210: Issue 10, December 2019 / AMD: April 2020

Licence-Exempt Radio Apparatus: Category I Equipment

RSS-GEN: Issue 5, April 2018 / AMD 1: 2019 / AMD 2: 2021

General Requirements for Compliance of Radio Apparatus

ANSI C 63.10: 2013

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

Although the product standard uses obsolete technical standards, the latest versions of standards achievable by the laboratory will be used for testing.

INFORMATIVE REFERENCES:

The following referenced documents are not necessary for the application of the present test report but they assist the user with regard to a particular subject area.

3. EQUIPMENT TECHNICAL DESCRIPTION

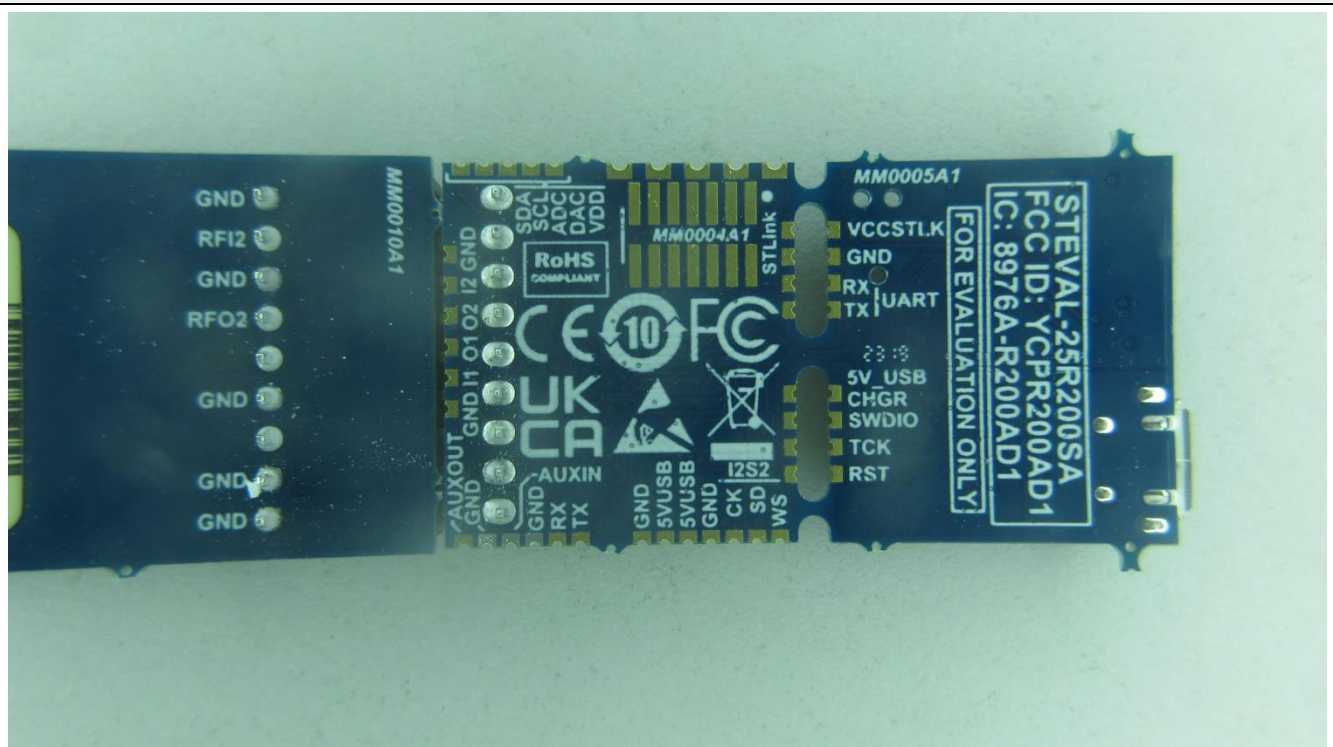
3.1. Test Conditions

Test item description. : NFC card reader evaluation board
Model/Type reference..... : STEVAL-25R200SA
Trade Mark. : STMICROELECTRONICS
Serial number (S/N)..... : Not communicated
Part number (P/N). : Not communicated
Software version..... : *Not communicated*
Firmware version..... : *Not communicated*
Type of sample..... : Pre-serial
Function(s)..... : NFC demo board
Manufacturer name. : STMICROELECTRONICS
Address. : 776 RUE ALBERT CAQUOT
SKY SOPHIA BAT B
06410 BIOT
FRANCE

General product information:

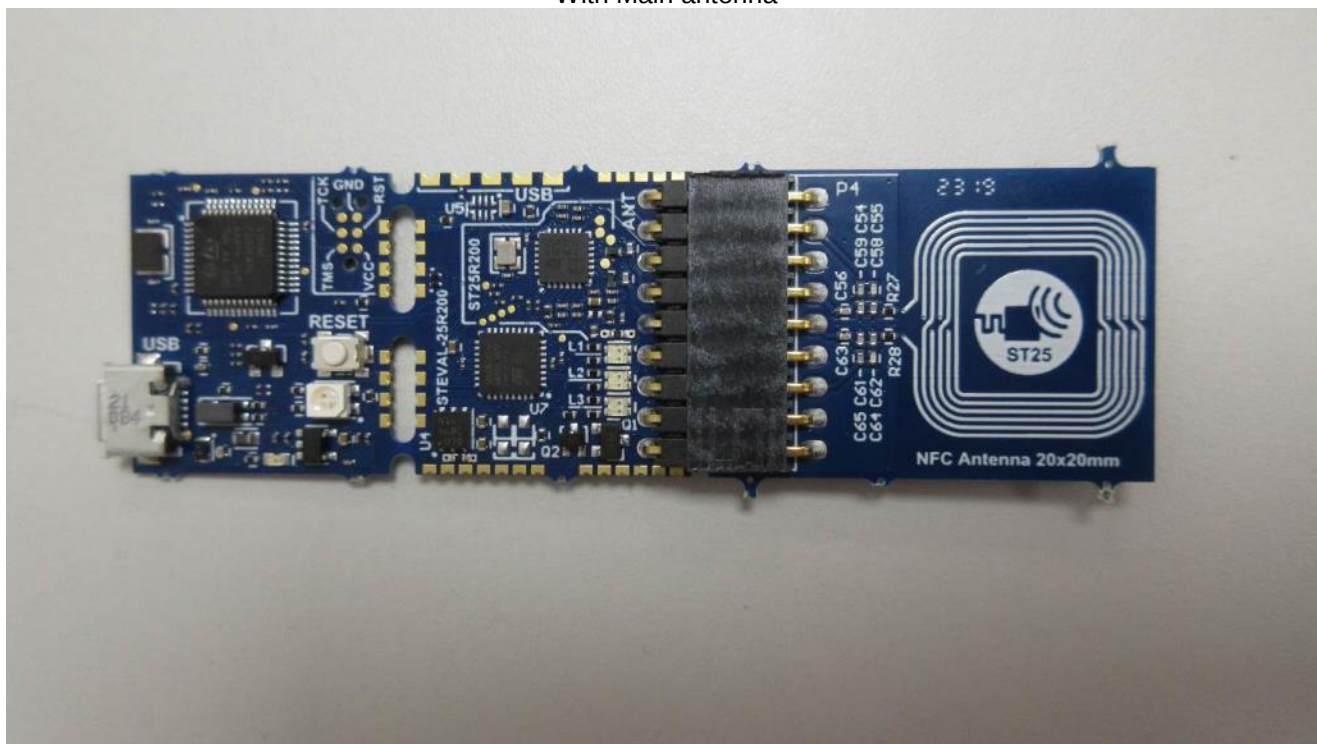
N/A

3.2. EUT Marking plate

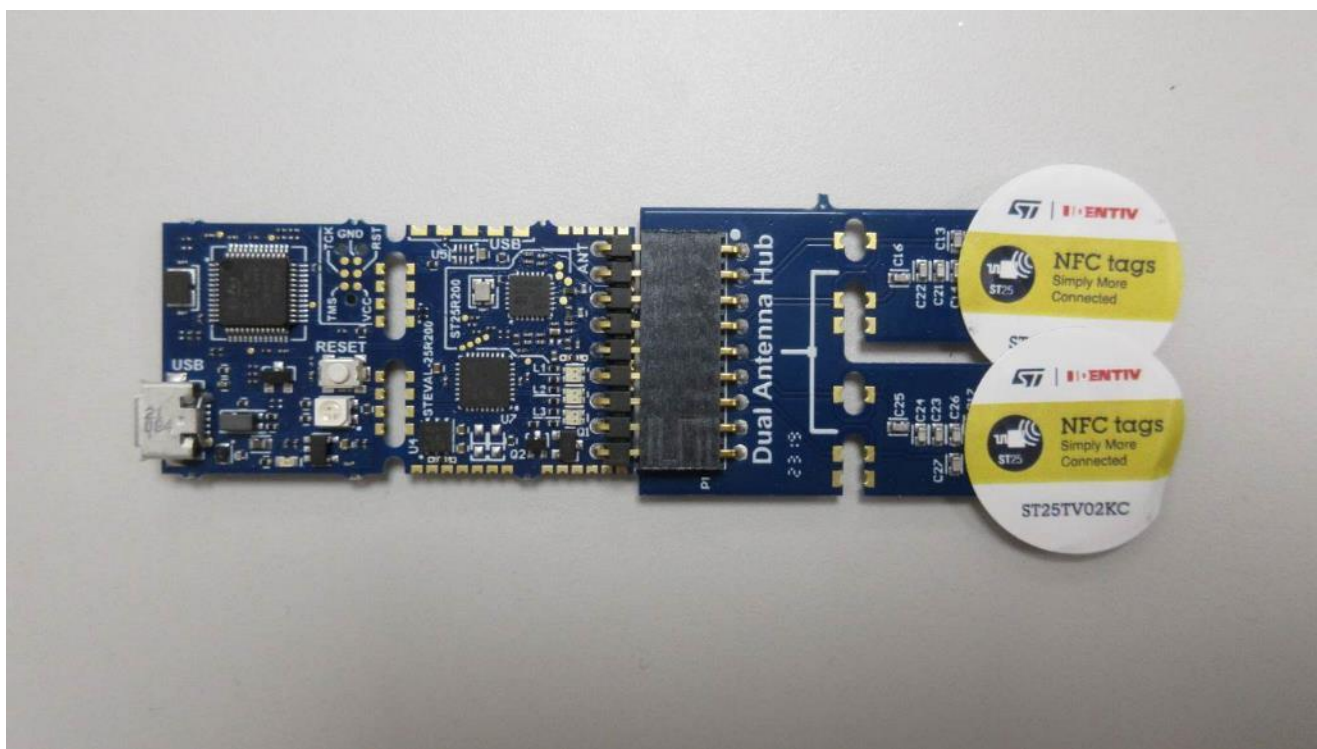


3.3.E.U.T. General view

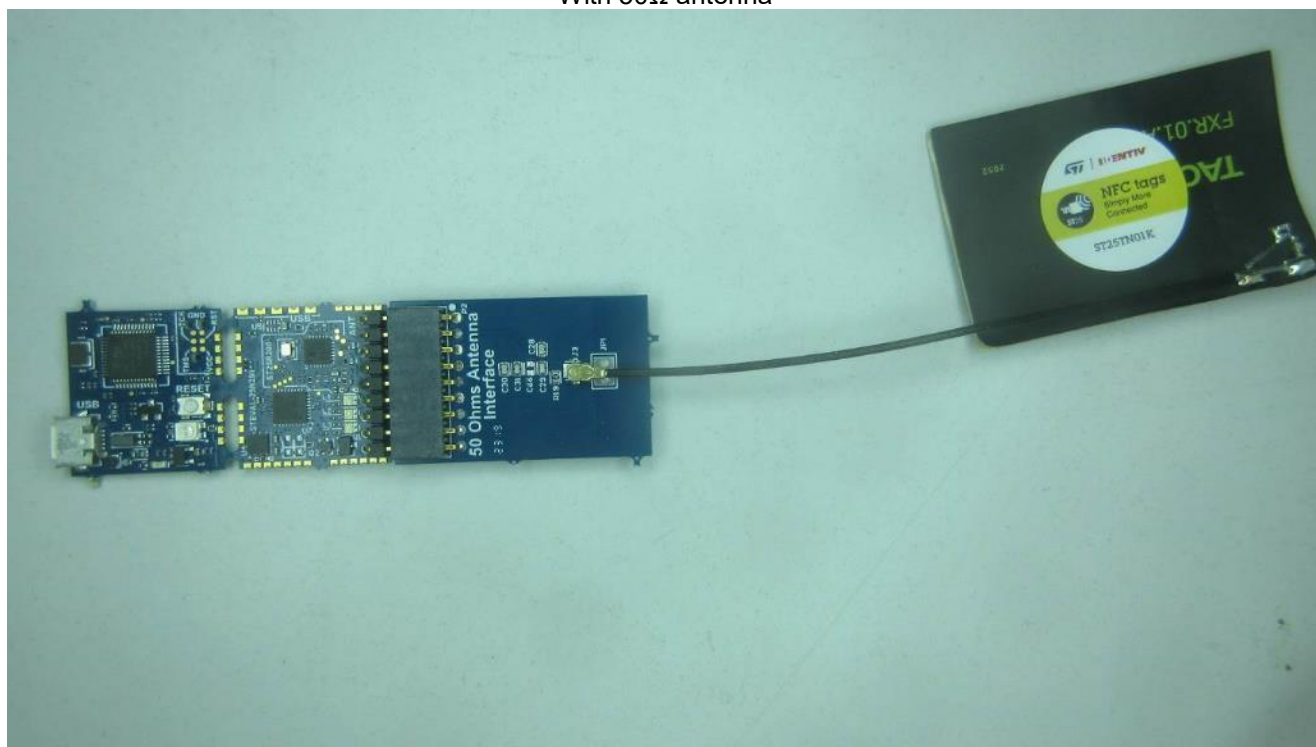
With Main antenna



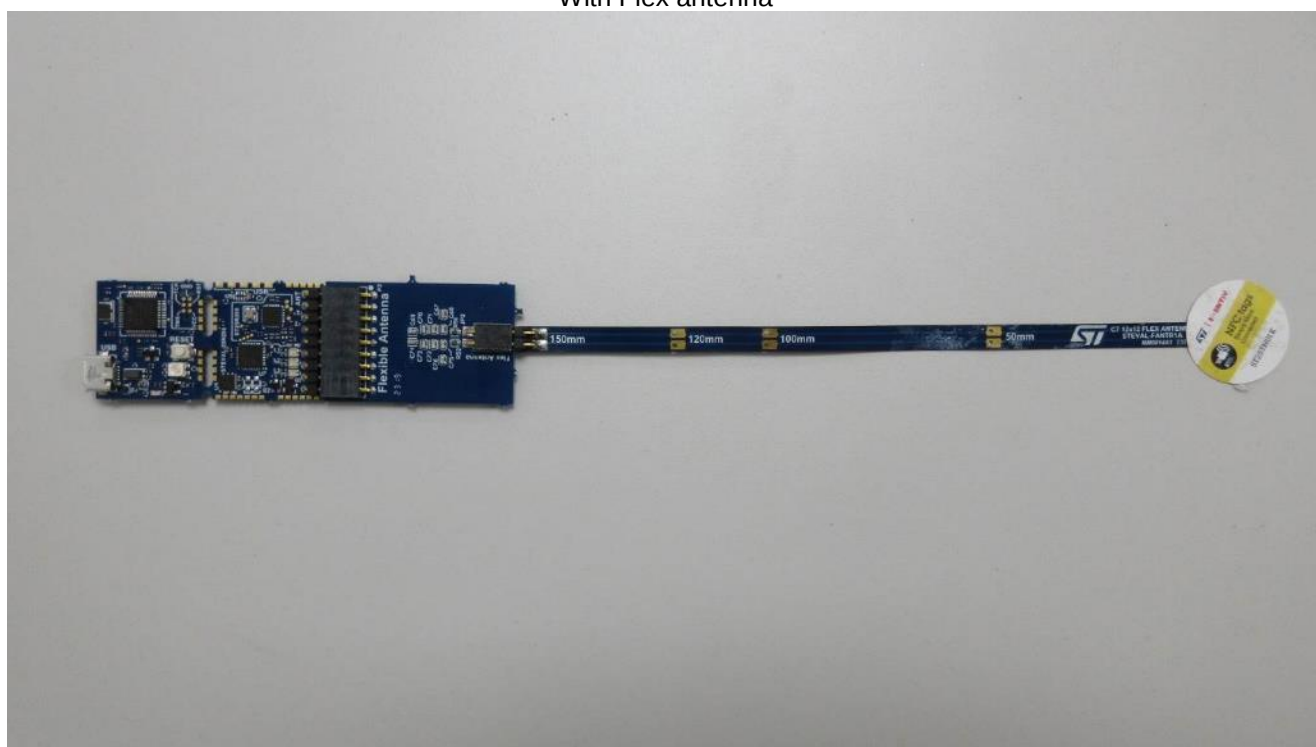
With Dual antenna



With 50Ω antenna



With Flex antenna



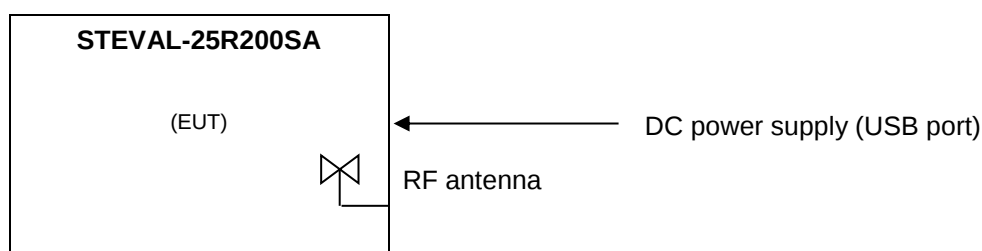
3.4.EUT Mechanical and Electrical Design

Power supply. : 5 Vdc
Power supply range..... : 5 Vdc
Power type..... : USB
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). : +10 to +40
Ground bounding strap..... : No

Comments:

N/A

3.5.EUT Input/Output ports



PORT	NAME	TYPE	LENGTH	CABLE TYPE	COMMENTS
0	Main frame	N/E	N/A	N/A	PCB
1	DC power source	USB	<3m	+/-	5Vdc
2	RF antenna	RF	N/A	N/A	PCB

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

3.6. Supporting Equipment Used During Test

Sample subject to the tests was tested with following equipment.

PRODUCT TYPE	MANUFACTURER	MODEL	N°EMITECH / COMMENTS
NFC TAG Power Bank	STMICROELECTRONICS Xindao B.V.	ST25TV02KC P324.25	Used for NFC communications. Provide the 5Vdc to the demo board

NFC TAG (AE)



POWER BANK (AE)



3.7. EUT Radio Specifications

a) GENERAL INFORMATIONS	
According to manufacturer's declarations :	
EUT type.....	<i>Transceiver</i>
Technology	<i>RFID</i>
Environmental profile.....	<i>Data transmissions</i>
Temperature range.....	<i>+10°C to +40°C</i>
Antenna type	<i>PCB</i>
Antenna Gain.....	<i>Not communicated</i>
Comments:	
<i>N/A</i>	
b) TRANSMITTER PARAMETERS (Tx)	
Frequency bands.....	<i>13.553 MHz to 13.567 MHz</i>
RF Power.....	<i>Not communicated</i>
Number of channels / Separation.....	<i>1</i>
Modulation type	<i>AM</i>
Duty cycle	<i>100%</i>
Tested frequency.....	<i>13.56 MHz</i>
c) RECEIVER PARAMETERS (Rx)	
Frequency bands.....	<i>13.553 MHz to 13.567 MHz</i>

4. RESULT SUMMARY

TEST DESIGNATION	SEVERITY	VERDICT	COMMENTS
GENERAL			
Measurement standards		PASS	15.31
Frequency range of radiated measurements		PASS	15.33
Measurement detector functions and bandwidths		PASS	15.35
UNINTENTIONAL RADIATORS			
Radiated emission limits	Class B	PASS	15.109
INTENTIONAL RADIATORS			
Equipment authorization requirement		PASS	15.201 / Transmitter part is subject to Certification procedure
Antenna requirement		PASS	15.203 / Dedicated integral antenna
Restricted bands of operation		PASS	15.205
Radiated emission limits; general requirements	Class B	PASS	15.209
Additional provisions to the general radiated emission limits		PASS	15.215
Operation within the band 13.110-14.010 MHz.		PASS	15.225
- Field strength in the band 13.553-13.567 MHz		PASS	(a)
- Field strength in the band 13.410-13.553 MHz and 13.567-13.710 MHz		N/P	Customer's request
- Field strength in the band 13.110-13.410 MHz and 13.710-14.010 MHz		N/P	Customer's request
- Field strength outside the band 13.110-14.010 MHz		N/P	Customer's request
- Frequency tolerance of the carrier signal		N/P	Customer's request
- Radio frequency powered tag		N/A	EUT is an RFID reader

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

5. MEASUREMENT UNCERTAINTY

PARAMETER	MAXIMAL EMITECH UNCERTAINTY	MINIMAL STANDARD UNCERTAINTY
Radio frequency	$\pm 1 \times 10^{-7}$	$\pm 1 \times 10^{-7}$
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	$\pm 5 \%$	$\pm 5 \%$
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 spurious emissions

Reference standard:	FCC Part 15.225 & RSS-Gen
Test method:	ANSI C63.10: 2013
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. Only the highest levels are recorded.	

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
9 kHz to 30 MHz / 0° / STEVAL Main Antenna	9kHz-30MHz	15.209	EMI4602	PASS
9 kHz to 30 MHz / 45° / STEVAL Main Antenna	9kHz-30MHz	15.209	EMI4601	PASS
9 kHz to 30 MHz / 90° / STEVAL Main Antenna	9kHz-30MHz	15.209	EMI4600	PASS
9 kHz to 30 MHz / 0° / STEVAL Main Antenna (old version)	9kHz-30MHz	15.209	EMI4604	PASS
9 kHz to 30 MHz / 45° / STEVAL Main Antenna (old version)	9kHz-30MHz	15.209	EMI4605	PASS
9 kHz to 30 MHz / 90° / STEVAL Main Antenna (old version)	9kHz-30MHz	15.209	EMI4606	PASS
9 kHz to 30 MHz / 0° / STEVAL Dual Antenna	9kHz-30MHz	15.209	EMI4608	PASS
9 kHz to 30 MHz / 45° / STEVAL Dual Antenna	9kHz-30MHz	15.209	EMI4609	PASS
9 kHz to 30 MHz / 90° / STEVAL Dual Antenna	9kHz-30MHz	15.209	EMI4610	PASS
9 kHz to 30 MHz / 0° / STEVAL Dual Antenna (old version)	9kHz-30MHz	15.209	EMI4612	PASS
9 kHz to 30 MHz / 45° / STEVAL Dual Antenna (old version)	9kHz-30MHz	15.209	EMI4613	PASS
9 kHz to 30 MHz / 90° / STEVAL Dual Antenna (old version)	9kHz-30MHz	15.209	EMI4614	PASS
9 kHz to 30 MHz / 0° / STEVAL Flex Antenna	9kHz-30MHz	15.209	EMI4616	PASS

TESTED CONFIGURATION	PARAMETER	SEVERITY	RESULT TAB.	VERDICT
9 kHz to 30 MHz / 45° / STEVAL Flex Antenna	9kHz-30MHz	15.209	EMI4617	PASS
9 kHz to 30 MHz / 90° / STEVAL Flex Antenna	9kHz-30MHz	15.209	EMI4618	PASS
9 kHz to 30 MHz / 0° / STEVAL Flex Antenna (old version)	9kHz-30MHz	15.209	EMI4620	PASS
9 kHz to 30 MHz / 45° / STEVAL Flex Antenna (old version)	9kHz-30MHz	15.209	EMI4621	PASS
9 kHz to 30 MHz / 90° / STEVAL Flex Antenna (old version)	9kHz-30MHz	15.209	EMI4622	PASS
9 kHz to 30 MHz / 0° / STEVAL 50 Ohms Antenna	9kHz-30MHz	15.209	EMI4624	PASS
9 kHz to 30 MHz / 45° / STEVAL 50 Ohms Antenna	9kHz-30MHz	15.209	EMI4625	PASS
9 kHz to 30 MHz / 90° / STEVAL 50 Ohms Antenna	9kHz-30MHz	15.209	EMI4626	PASS
9 kHz to 30 MHz / 0° / STEVAL 50 Ohms Antenna (old version)	9kHz-30MHz	15.209	EMI4628	PASS
9 kHz to 30 MHz / 45° / STEVAL 50 Ohms Antenna (old version)	9kHz-30MHz	15.209	EMI4629	PASS
9 kHz to 30 MHz / 90° / STEVAL 50 Ohms Antenna (old version)	9kHz-30MHz	15.209	EMI4630	PASS
30 MHz to 1 GHz / STEVAL Main Antenna	30MHz-1GHz	15.209	EMI4557	PASS
30 MHz to 1 GHz / STEVAL Main Antenna (old version)	30MHz-1GHz	15.209	EMI4558	PASS
30 MHz to 1 GHz / STEVAL Dual Antenna	30MHz-1GHz	15.209	EMI4561	PASS
30 MHz to 1 GHz / STEVAL Dual Antenna (old version)	30MHz-1GHz	15.209	EMI4562	PASS
30 MHz to 1 GHz / STEVAL Flex Antenna	30MHz-1GHz	15.209	EMI4565	PASS
30 MHz to 1 GHz / STEVAL Flex Antenna (old version)	30MHz-1GHz	15.209	EMI4566	PASS
30 MHz to 1 GHz / STEVAL 50 Ohms Antenna	30MHz-1GHz	15.209	EMI4569	PASS
30 MHz to 1 GHz / STEVAL 50 Ohms Antenna (old version)	30MHz-1GHz	15.209	EMI4570	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: From 9 kHz to 30MHz: limit indicated on the curves is calculated with 40 dB/decade extrapolation factor and 51.5 dB conversion factor. From 30MHz to 1GHz Quasi peak limit provided is the limit given in §15.209.		

TEST EQUIPMENT USED – 9 KHz TO 30 MHz					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Rohde & Schwarz	HFH2-Z2	5825	16/08/2022	16/10/2024
Cable	SUCOFLEX	N-3m	14378	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	ESW26	17791	14/02/2023	14/10/2024
Shielded enclosure	COMTEST	SAC 3m	14494	08/08/2023	08/10/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H2	12269	07/06/2022	07/08/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26

Blank cells = Permanent validity

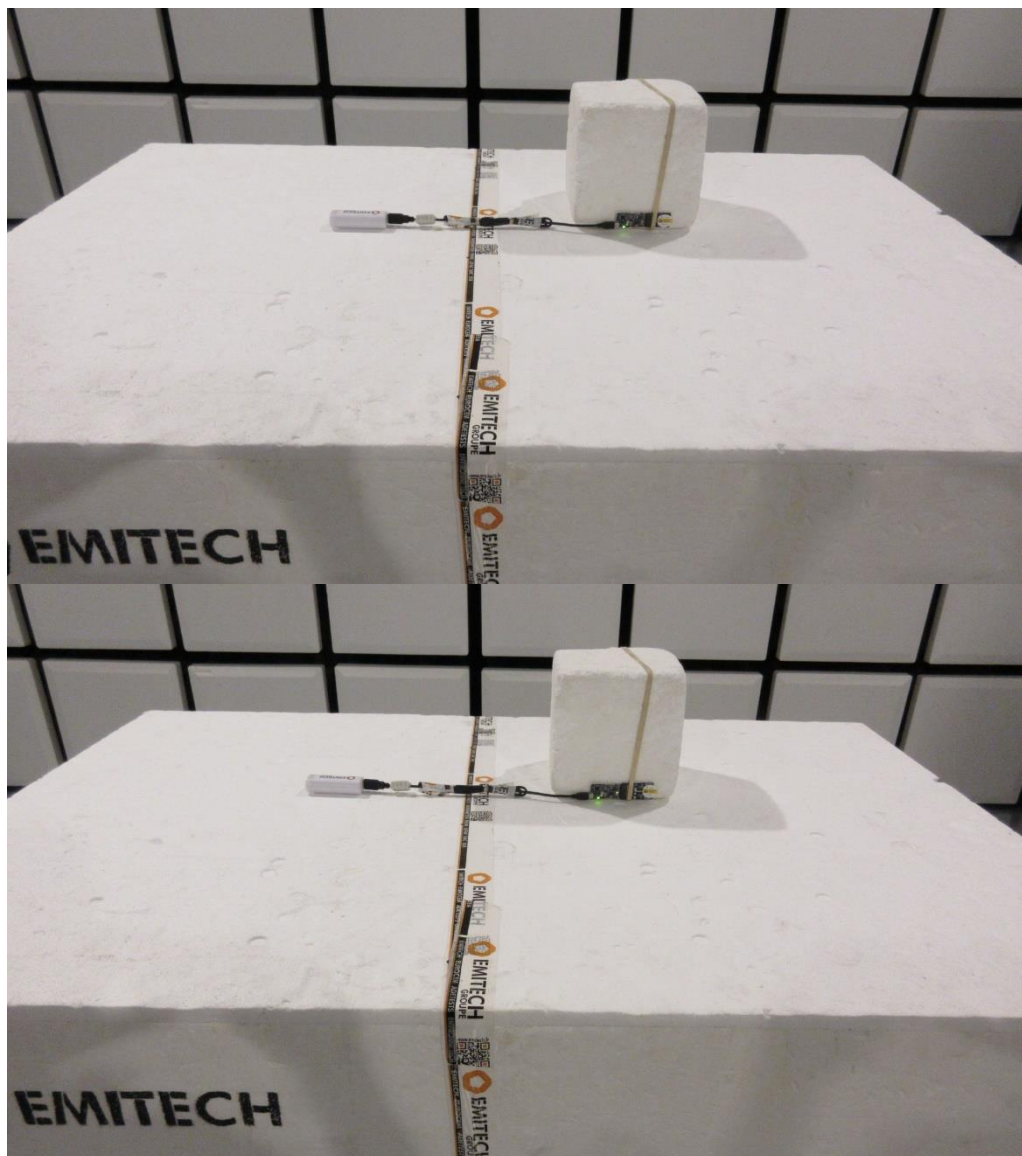
TEST EQUIPMENT USED – 30 MHz TO 1 GHz					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	ETS lindgren	3142E	14523	27/01/2022	27/03/2025
Cable	SUCOFLEX	N-3m	14378	17/08/2023	17/10/2025
Cable	SUCOFLEX	N-6,5m	14380	17/08/2023	17/10/2025
Cable	Techniwave	N-8m	18349	17/08/2023	17/10/2025
Receiver	Rohde & Schwarz	ESW26	17791	14/02/2023	14/10/2024 ⁽¹⁾
Shielded enclosure	COMTEST	SAC 3m	14494	08/08/2023	08/10/2026
Software	Nexio	BAT EMC	0000		
Thermohygrometer	Testo	608-H2	12269	07/06/2022	07/08/2024
Thermohygrometer	Bioblock Scientific	Météostar	0963	25/09/2023	25/11/2025

BAT-EMC software version: V3.18.0.26

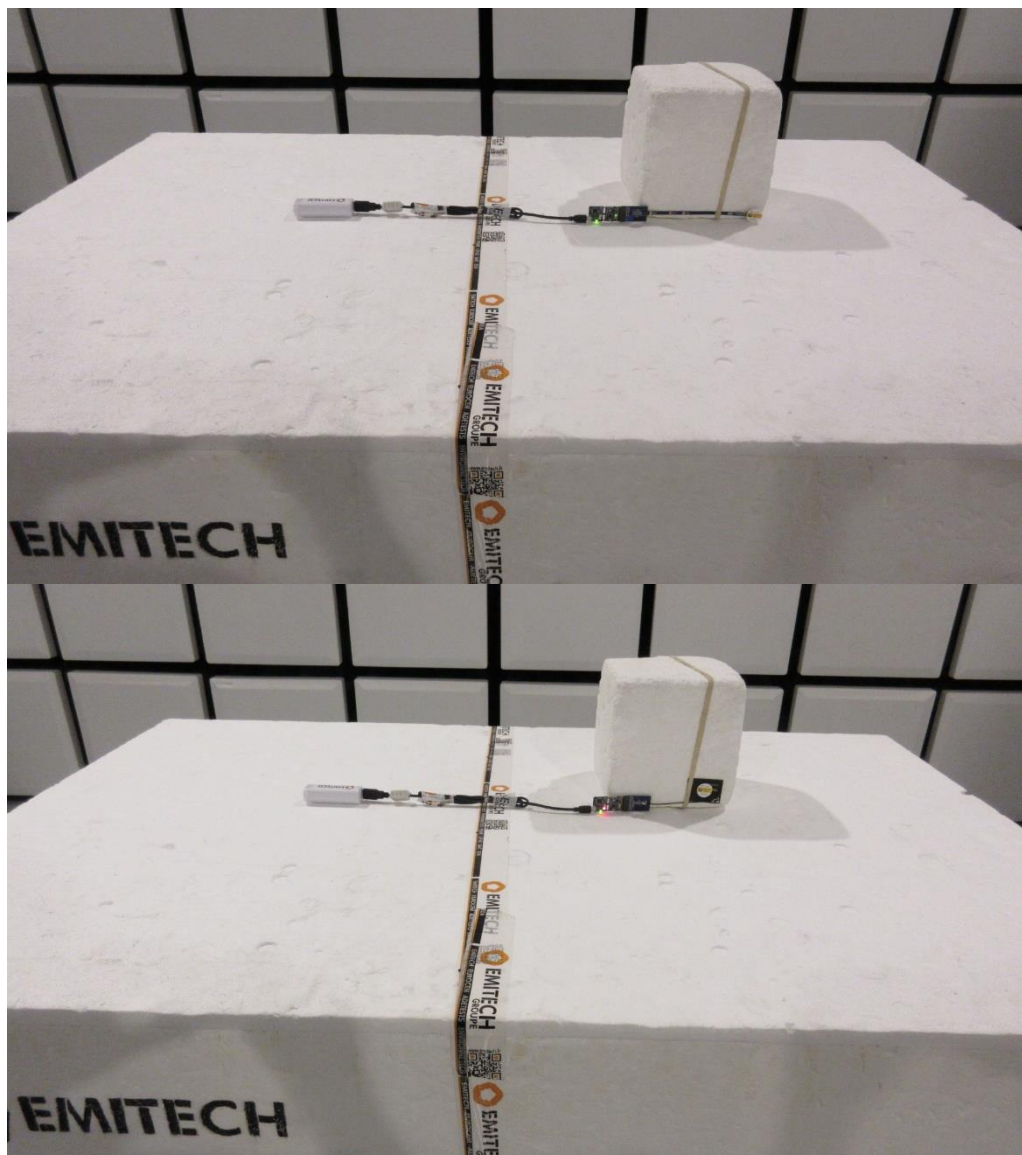
Blank cells = Permanent validity

⁽¹⁾Under derogation EQSDER000S4100118

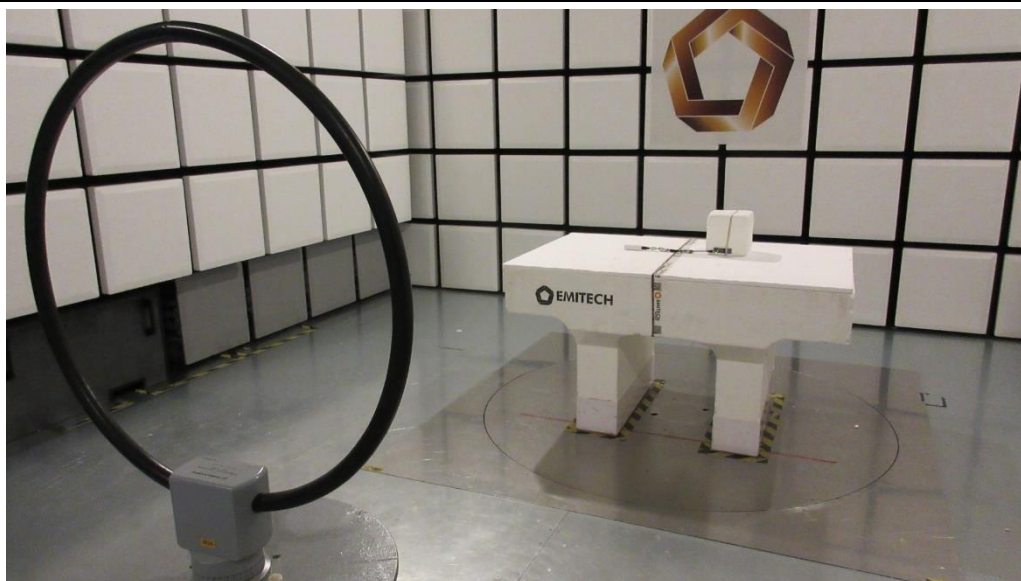
TEST SETUP PHOTO(S) - POSITION



TEST SETUP PHOTO(S) - POSITION



TEST SETUP PHOTO(S) - 9 kHz TO 30 MHz



TEST SETUP PHOTO(S) - 30 MHz TO 1 GHz



RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL MAIN ANTENNA					EMI4602
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL MAIN ANTENNA					EMI4601
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL MAIN ANTENNA					EMI4600
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL MAIN ANTENNA (OLD VERSION)					EMI4604
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL MAIN ANTENNA (OLD VERSION)					EMI4605
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL MAIN ANTENNA (OLD VERSION)					EMI4606
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL DUAL ANTENNA					EMI4608
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL DUAL ANTENNA					EMI4609
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL DUAL ANTENNA					EMI4610
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL DUAL ANTENNA (OLD VERSION)					EMI4612
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL DUAL ANTENNA (OLD VERSION)					EMI4613
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL DUAL ANTENNA (OLD VERSION)					EMI4614
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL FLEX ANTENNA					EMI4616
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL FLEX ANTENNA					EMI4617
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL FLEX ANTENNA					EMI4618
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL FLEX ANTENNA (OLD VERSION)					EMI4620
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL FLEX ANTENNA (OLD VERSION)					EMI4621
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL FLEX ANTENNA (OLD VERSION)					EMI4622
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL 50 OHMS ANTENNA					EMI4624
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL 50 OHMS ANTENNA					EMI4625
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL 50 OHMS ANTENNA					EMI4626
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 0° / STEVAL 50 OHMS ANTENNA (OLD VERSION)					EMI4628
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 45° / STEVAL 50 OHMS ANTENNA (OLD VERSION)					EMI4629
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS - TABULATED RESULTS					
9 kHz TO 30 MHz / 90° / STEVAL 50 OHMS ANTENNA (OLD VERSION)					EMI4630
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LEVEL (dBμA/m)	AVERAGE/QPEAK LIMIT (dBμA/m)	MARGING (dB)
N/A	N/A	N/A	N/A	N/A	N/A
Supplementary information: No spurious emissions were detected.					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL MAIN ANTENNA					EMI4557
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
32.65	Vertical	23.38	N/P	40	-16.62
94.93	Vertical	22.02	N/P	43.5	-21.48
263.62	Vertical	22.53	N/P	46	-23.47
419.56	Vertical	28.29	N/P	46	-17.71
723.44	Vertical	34.10	N/P	46	-11.90
937.79	Vertical	34.60	N/P	46	-11.40
265.14	Horizontal	33.11	N/P	46	-12.89
267.14	Horizontal	32.93	N/P	46	-13.07
270.63	Horizontal	32.79	N/P	46	-13.21
272.54	Horizontal	32.85	N/P	46	-13.15
287.16	Horizontal	32.18	N/P	46	-13.82
726.52	Horizontal	36.48	N/P	46	-9.52
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL MAIN ANTENNA (OLD VERSION)					EMI4558
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
30.06	Vertical	23.03	N/P	40	-16.97
94.09	Vertical	21.60	N/P	43.5	-21.90
94.93	Vertical	27.09	N/P	43.5	-16.41
265.14	Vertical	24.69	N/P	46	-21.31
725.64	Vertical	34.90	N/P	46	-11.10
930.58	Vertical	35.27	N/P	46	-10.73
263.39	Horizontal	35.59	N/P	46	-10.41
265.23	Horizontal	35.40	N/P	46	-10.60
268.89	Horizontal	35.79	N/P	46	-10.21
274.32	Horizontal	35.82	N/P	46	-10.18
717.72	Horizontal	37.35	N/P	46	-8.65
819.61	Horizontal	35.53	N/P	46	-10.47
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL DUAL ANTENNA					EMI4561
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
30.16	Vertical	23.15	N/P	40	-16.85
423.87	Vertical	28.10	N/P	46	-17.90
673.71	Vertical	34.33	N/P	46	-11.67
721.86	Vertical	35.73	N/P	46	-10.27
738.74	Vertical	34.19	N/P	46	-11.81
922.79	Vertical	34.09	N/P	46	-11.91
271.15	Horizontal	34.64	N/P	46	-11.36
678.14	Horizontal	36.37	N/P	46	-9.63
686.52	Horizontal	36.23	N/P	46	-9.77
698.29	Horizontal	36.71	N/P	46	-9.29
726.00	Horizontal	38.23	N/P	46	-7.77
941.25	Horizontal	34.52	N/P	46	-11.48
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

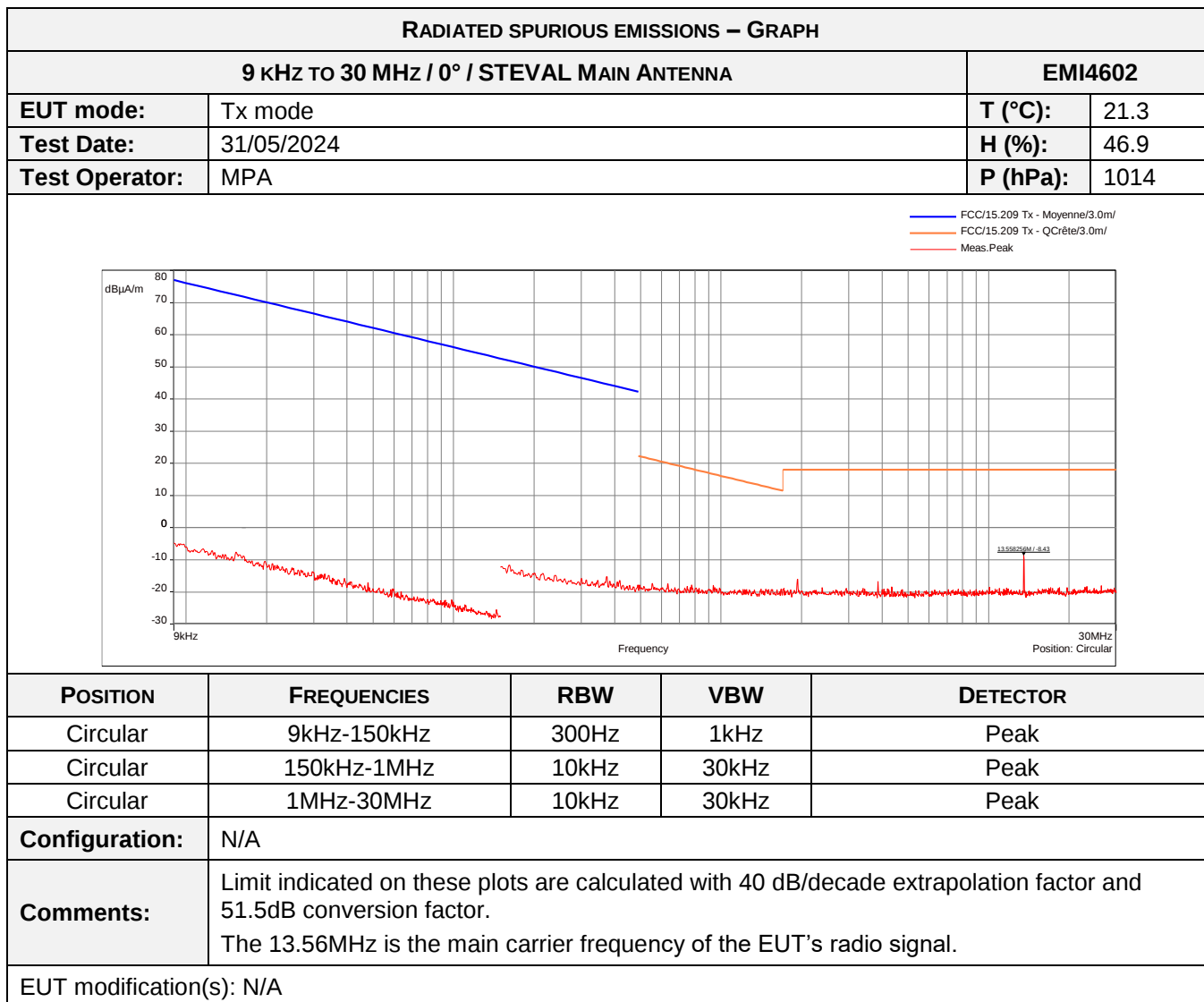
RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL DUAL ANTENNA (OLD VERSION)					EMI4562
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
30.29	Vertical	22.39	N/P	40	-17.61
230.89	Vertical	23.03	N/P	46	-22.97
254.69	Vertical	24.10	N/P	46	-21.90
265.43	Vertical	24.41	N/P	46	-21.59
720.99	Vertical	34.73	N/P	46	-11.27
933.52	Vertical	34.56	N/P	46	-11.44
261.87	Horizontal	35.72	N/P	46	-10.28
267.27	Horizontal	35.40	N/P	46	-10.60
272.73	Horizontal	35.90	N/P	46	-10.10
281.72	Horizontal	35.23	N/P	46	-10.77
725.64	Horizontal	37.29	N/P	46	-8.71
818.25	Horizontal	35.50	N/P	46	-10.50
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

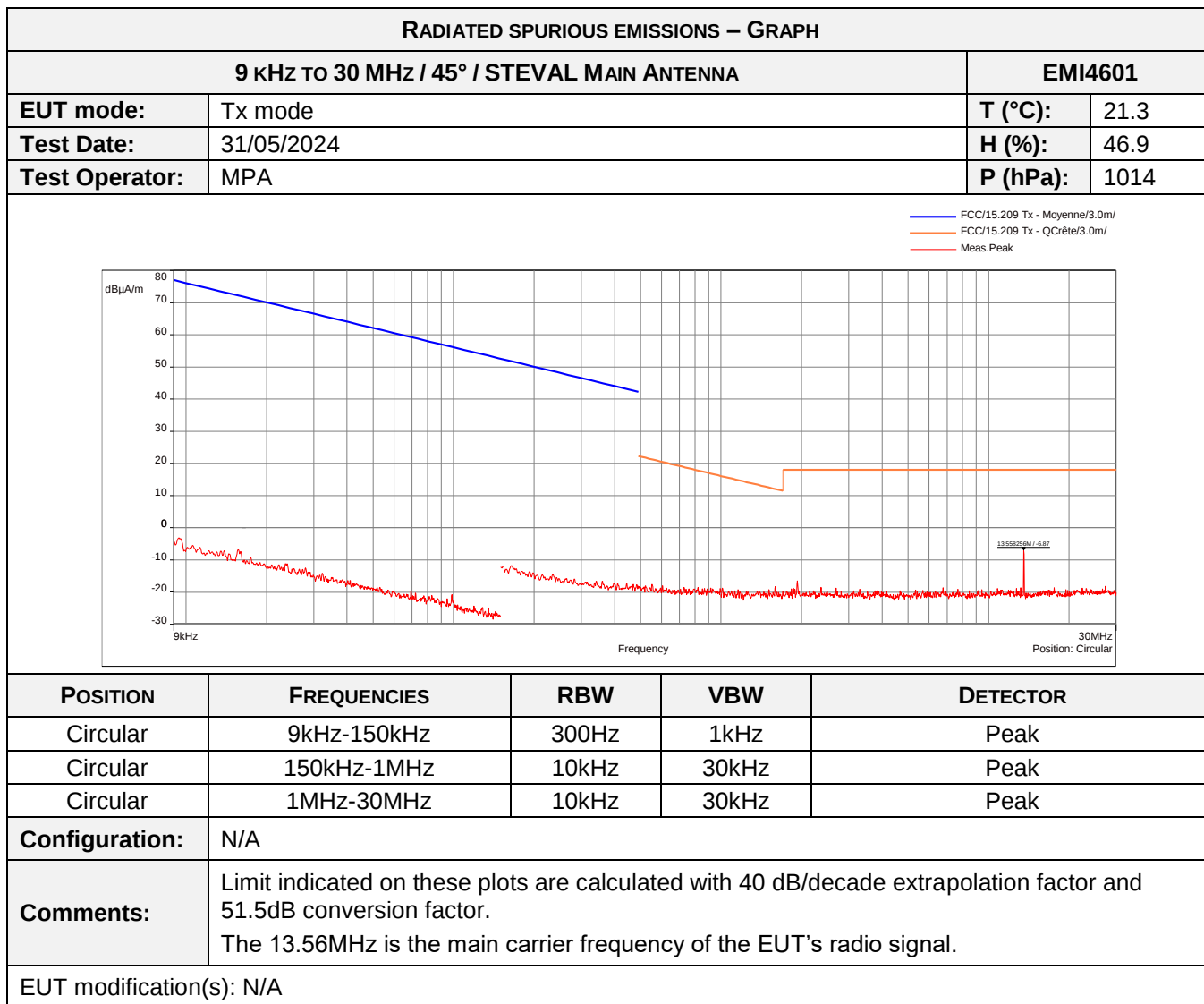
RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL FLEX ANTENNA					EMI4565
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
30.45	Vertical	22.49	N/P	40	-17.51
67.80	Vertical	25.00	N/P	40	-15.00
189.83	Vertical	22.55	N/P	43.5	-20.95
427.94	Vertical	28.06	N/P	46	-17.94
732.27	Vertical	33.72	N/P	46	-12.28
922.85	Vertical	34.14	N/P	46	-11.86
67.80	Horizontal	27.70	N/P	40	-12.30
189.83	Horizontal	31.10	N/P	43.5	-12.40
244.09	Horizontal	32.33	N/P	46	-13.67
269.99	Horizontal	32.36	N/P	46	-13.64
723.96	Horizontal	36.26	N/P	46	-9.74
930.71	Horizontal	34.15	N/P	46	-11.85
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

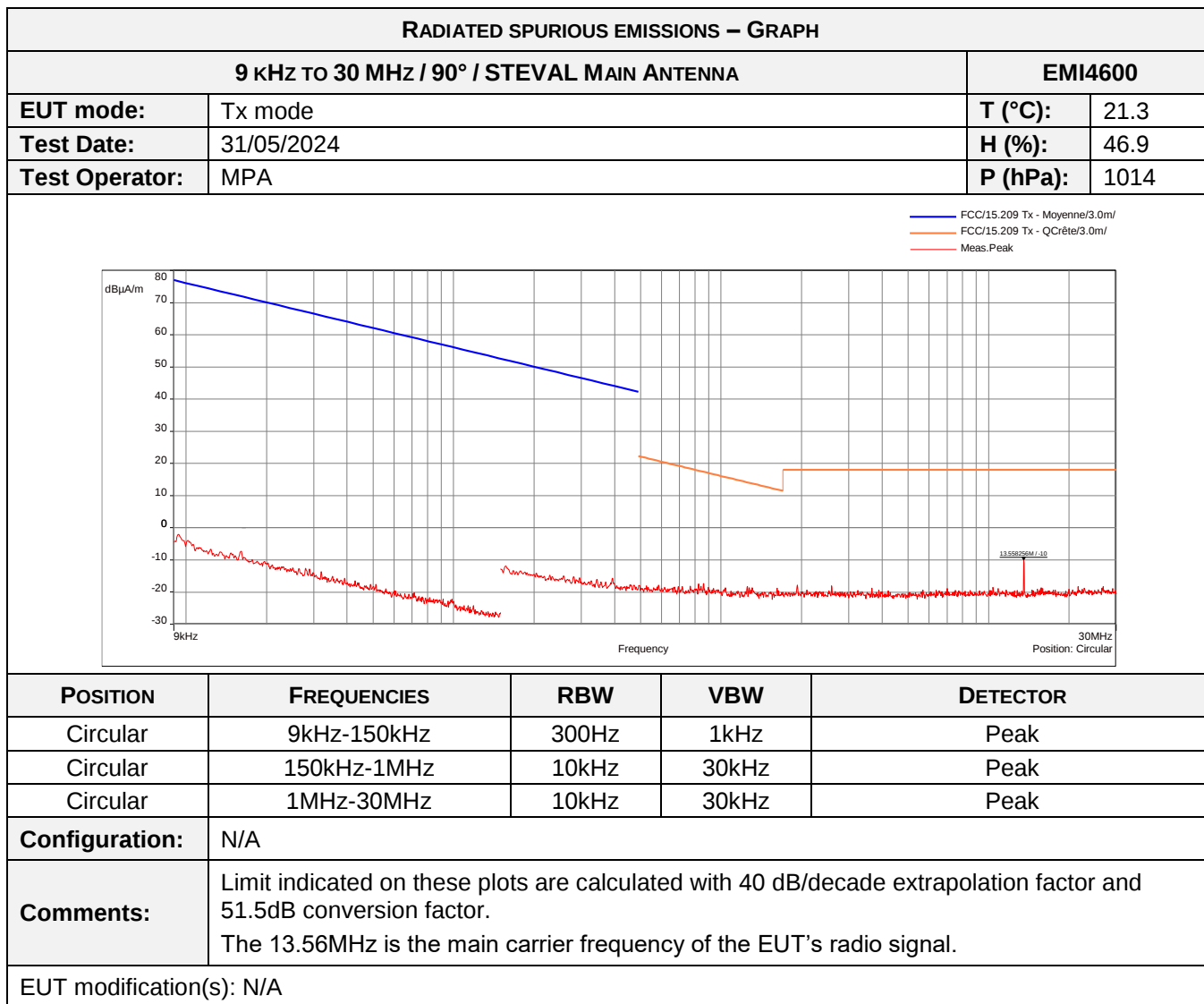
RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL FLEX ANTENNA (OLD VERSION)					EMI4566
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
32.81	Vertical	22.69	N/P	40	-17.31
40.67	Vertical	22.81	N/P	40	-17.19
67.80	Vertical	25.77	N/P	40	-14.23
94.93	Vertical	24.62	N/P	43.5	-18.88
346.75	Vertical	27.17	N/P	46	-18.83
731.85	Vertical	34.85	N/P	46	-11.15
203.41	Horizontal	33.22	N/P	43.5	-10.28
265.94	Horizontal	34.93	N/P	46	-11.07
273.64	Horizontal	35.40	N/P	46	-10.60
275.55	Horizontal	34.87	N/P	46	-11.13
714.78	Horizontal	37.52	N/P	46	-8.48
815.34	Horizontal	36.13	N/P	46	-9.87
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

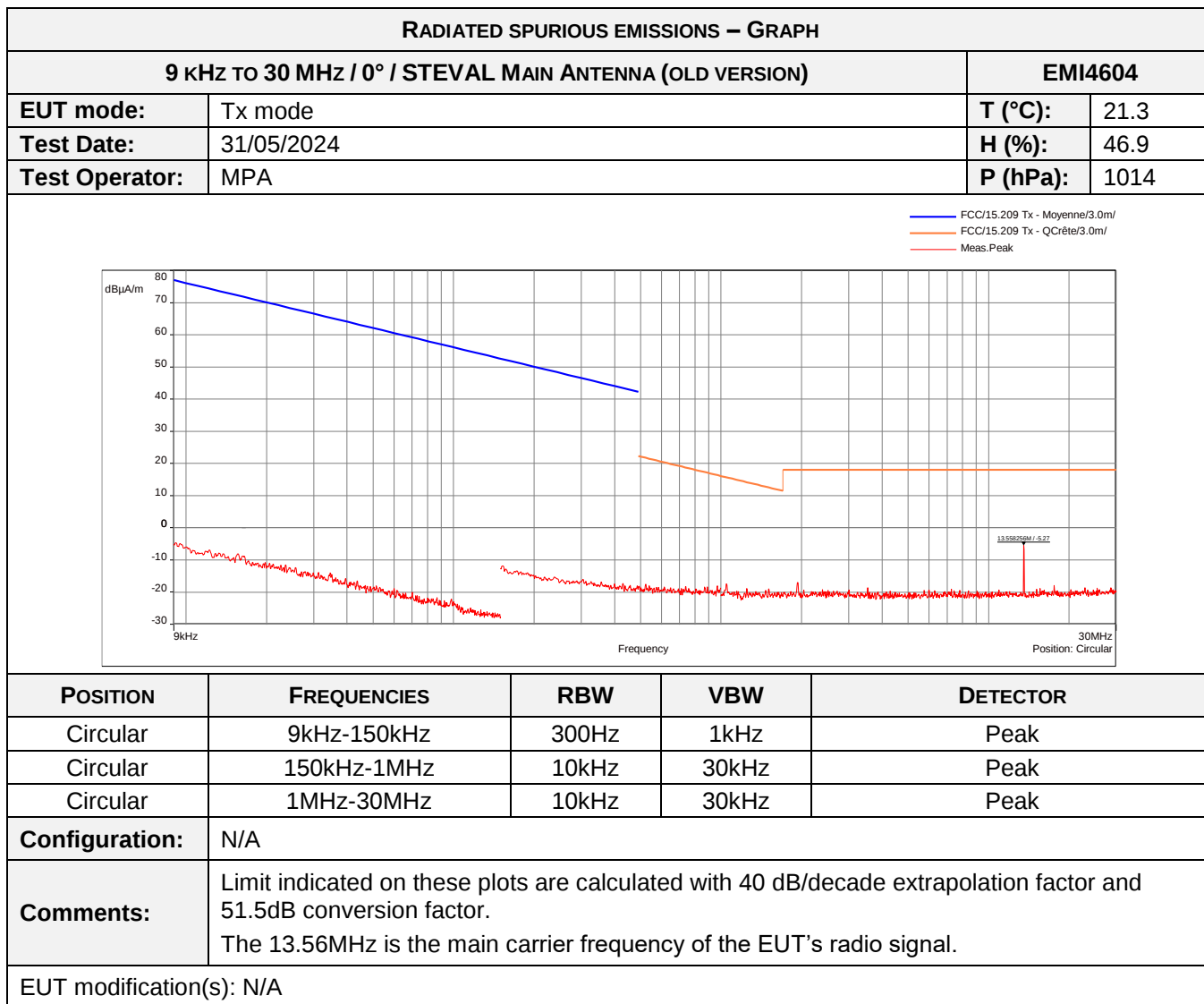
RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL 50 OHMS ANTENNA					EMI4569
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
30.52	Vertical	23.35	N/P	40	-16.65
40.67	Vertical	22.45	N/P	40	-17.55
67.80	Vertical	22.53	N/P	40	-17.47
149.15	Vertical	25.83	N/P	43.5	-17.67
264.04	Vertical	23.35	N/P	46	-22.65
946.81	Vertical	34.56	N/P	46	-11.44
149.15	Horizontal	33.03	N/P	43.5	-10.47
185.08	Horizontal	29.23	N/P	43.5	-14.27
190.90	Horizontal	29.09	N/P	43.5	-14.41
203.41	Horizontal	29.07	N/P	43.5	-14.43
721.25	Horizontal	33.97	N/P	46	-12.03
936.82	Horizontal	34.89	N/P	46	-11.11
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

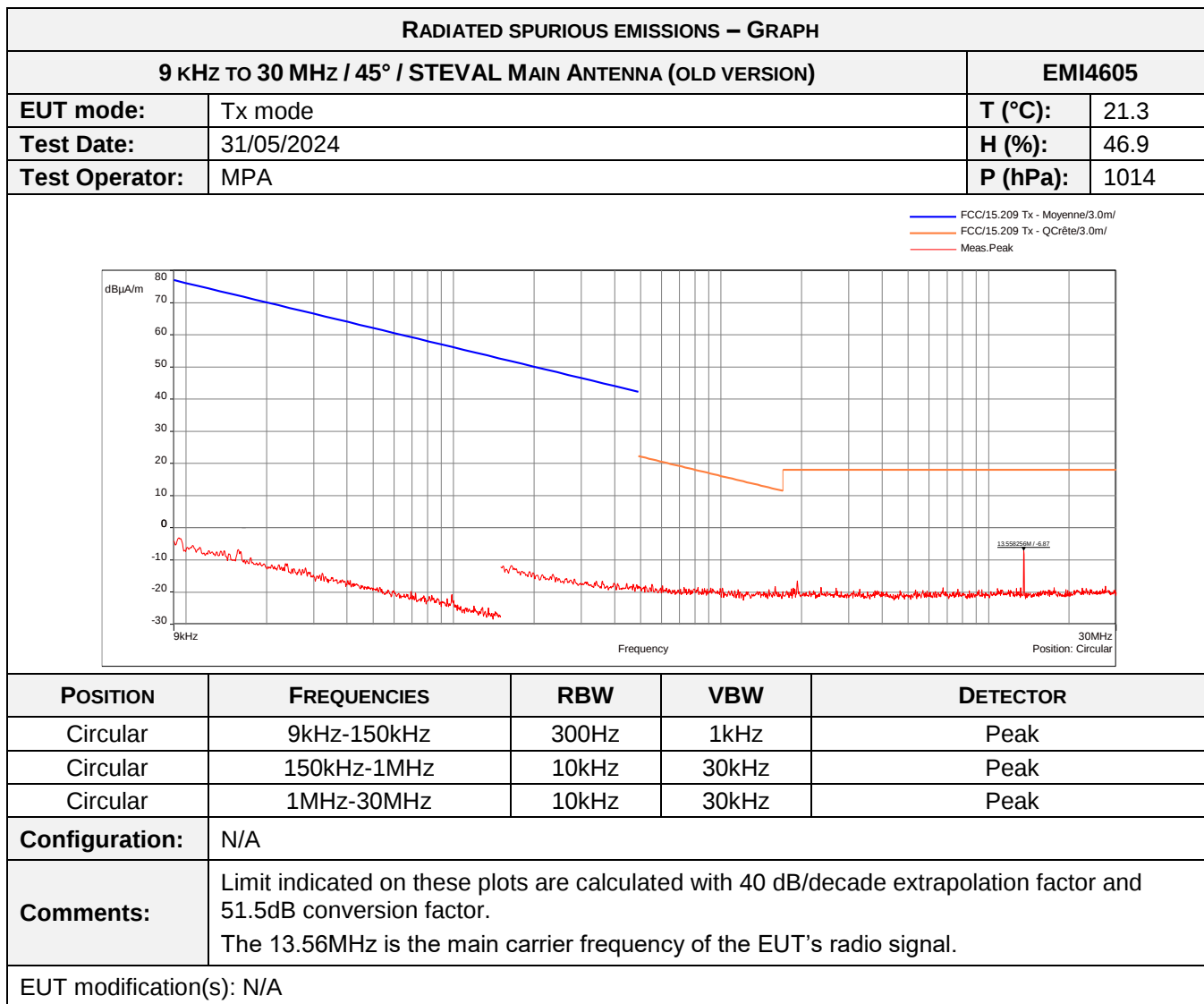
RADIATED SPURIOUS EMISSIONS – TABULATED RESULTS					
30 MHz TO 1 GHz / STEVAL 50 OHMS ANTENNA (OLD VERSION)					EMI4570
FREQUENCY (MHz)	POLARIZATION	PEAK LEVEL (dBμV/m)	QPEAK LEVEL (dBμV/m)	QPEAK LIMIT (dBμV/m)	MARGING (dB)
40.67	Vertical	22.90	N/P	40	-17.10
67.80	Vertical	24.85	N/P	40	-15.15
149.15	Vertical	29.42	N/P	43.5	-14.08
539.27	Vertical	30.08	N/P	46	-15.92
739.80	Vertical	33.47	N/P	46	-12.53
956.80	Vertical	33.95	N/P	46	-12.05
67.80	Horizontal	27.82	N/P	40	-12.18
149.15	Horizontal	36.61	N/P	43.5	-6.89
176.28	Horizontal	30.95	N/P	43.5	-12.55
189.83	Horizontal	29.74	N/P	43.5	-13.76
203.41	Horizontal	31.70	N/P	43.5	-11.80
728.00	Horizontal	35.87	N/P	46	-10.13
Supplementary information: when margin between peak measurements and quasi-peak limit(s) is > 6dB, no quasi-peak measurements were performed					

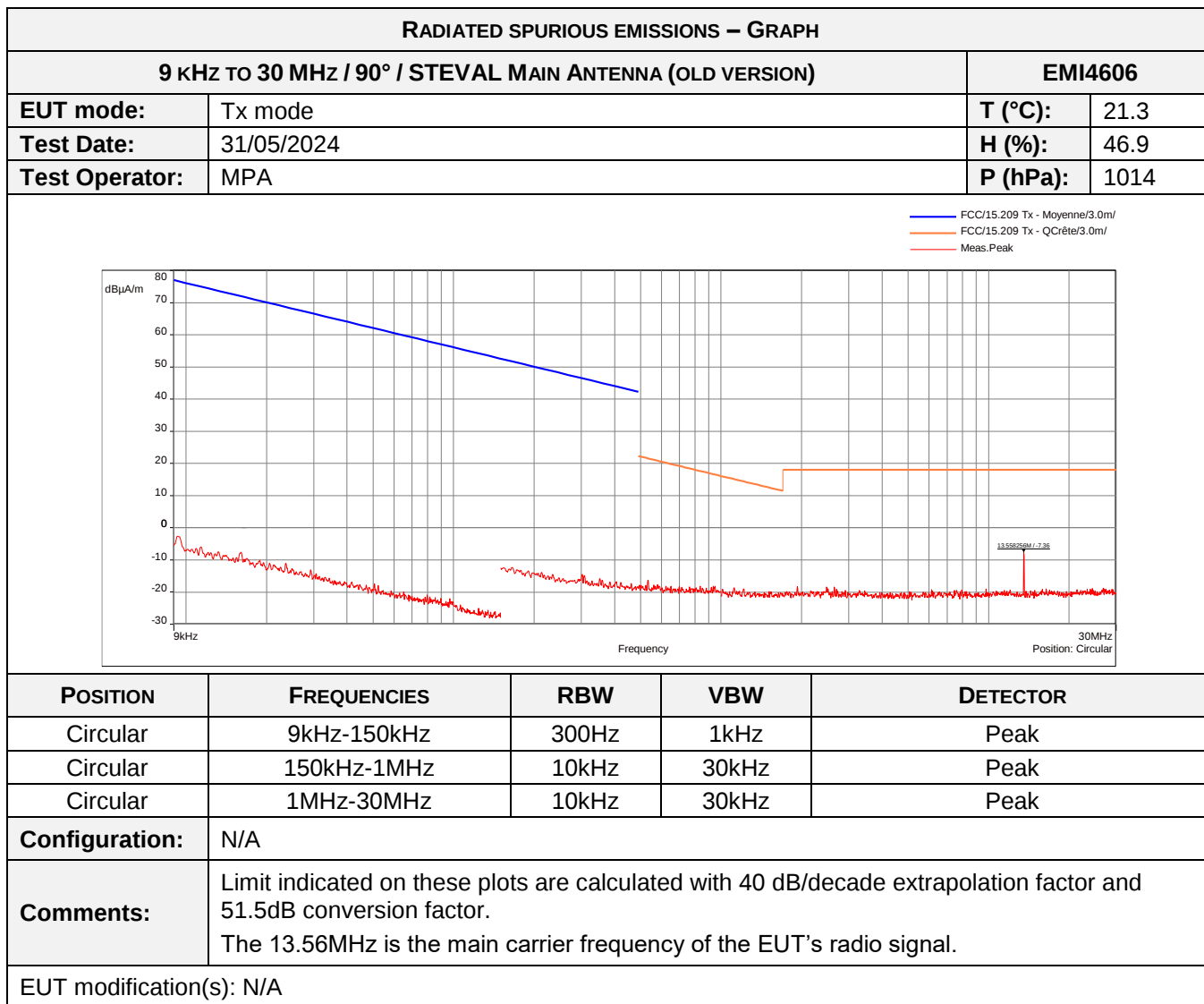


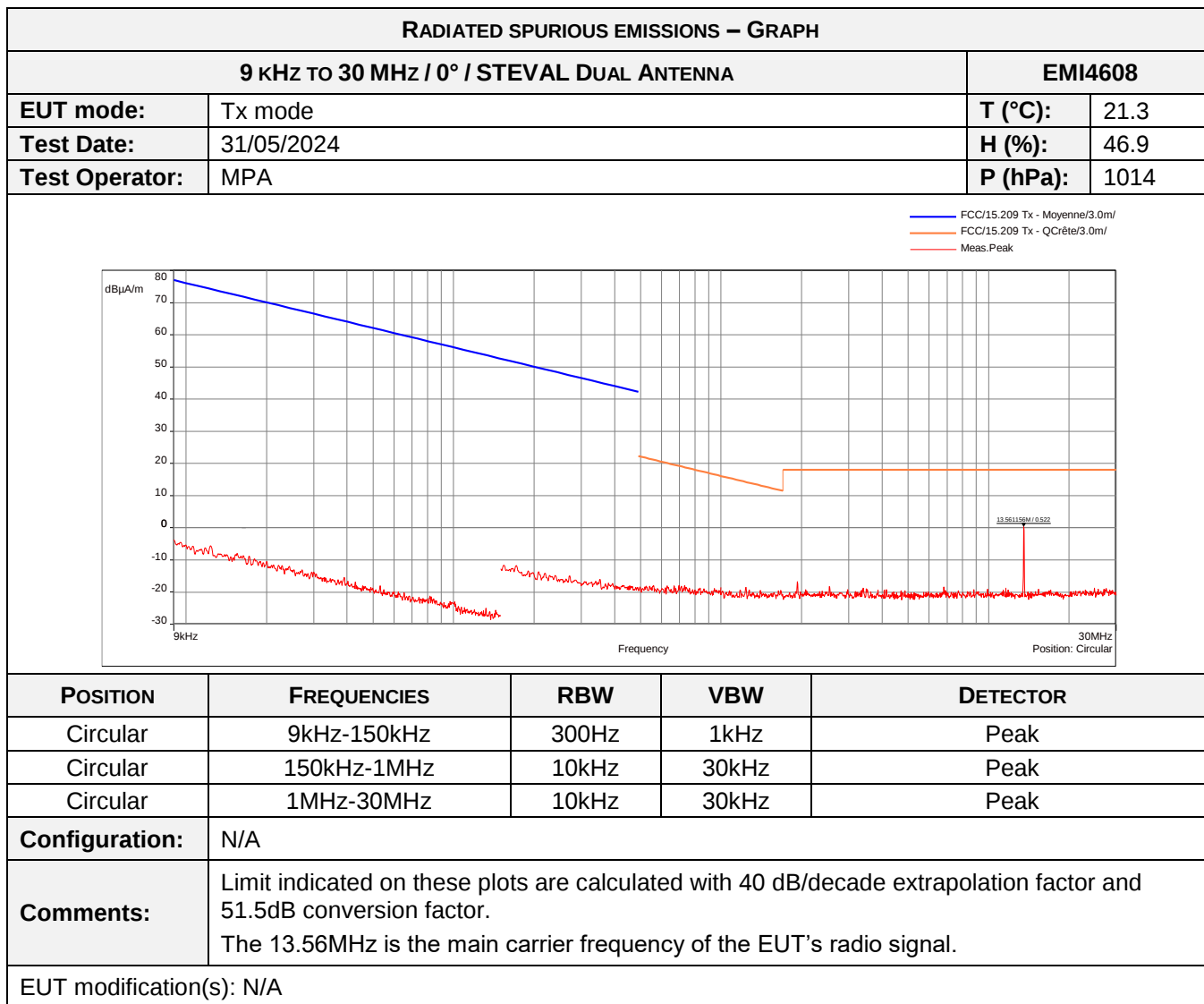


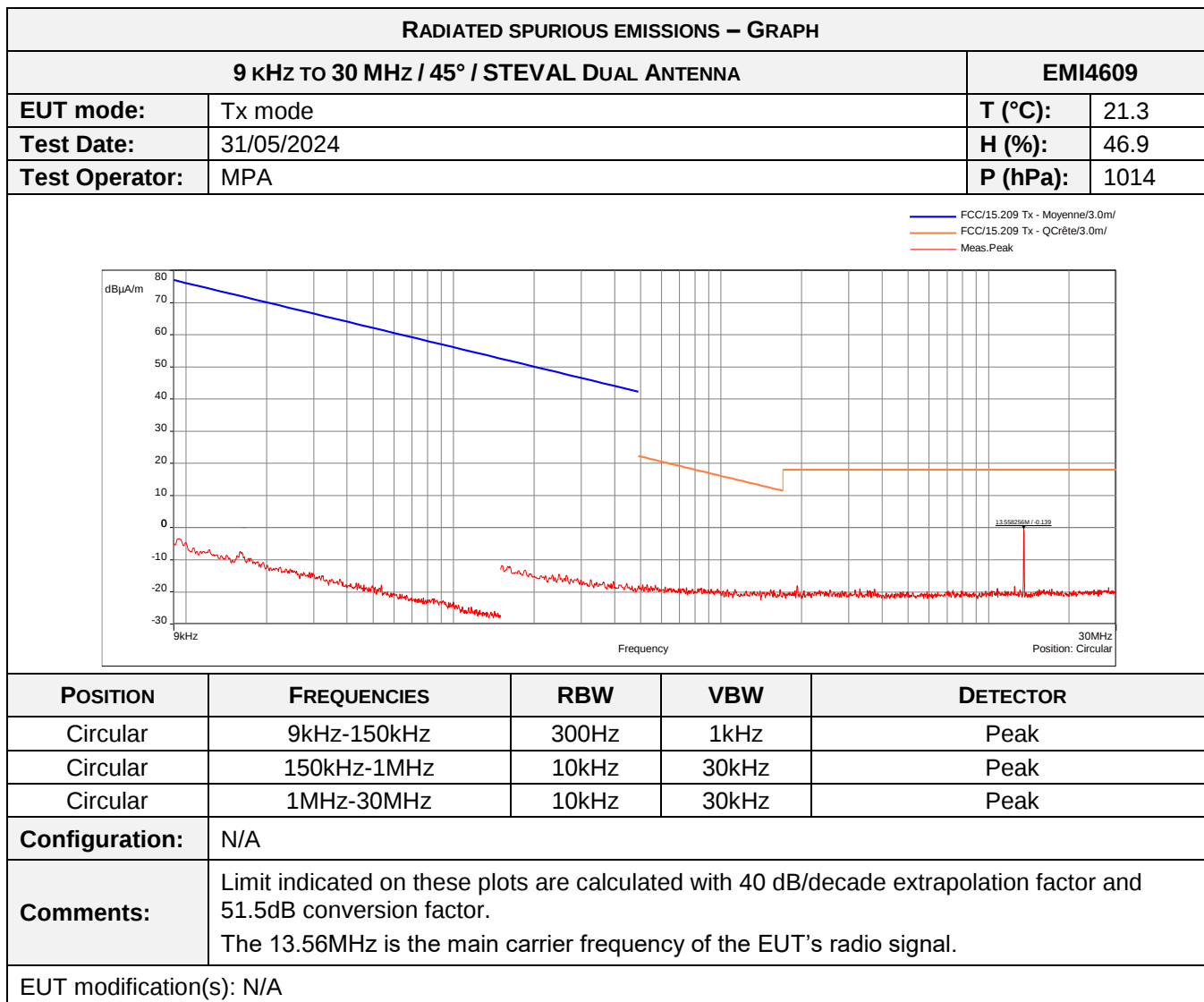


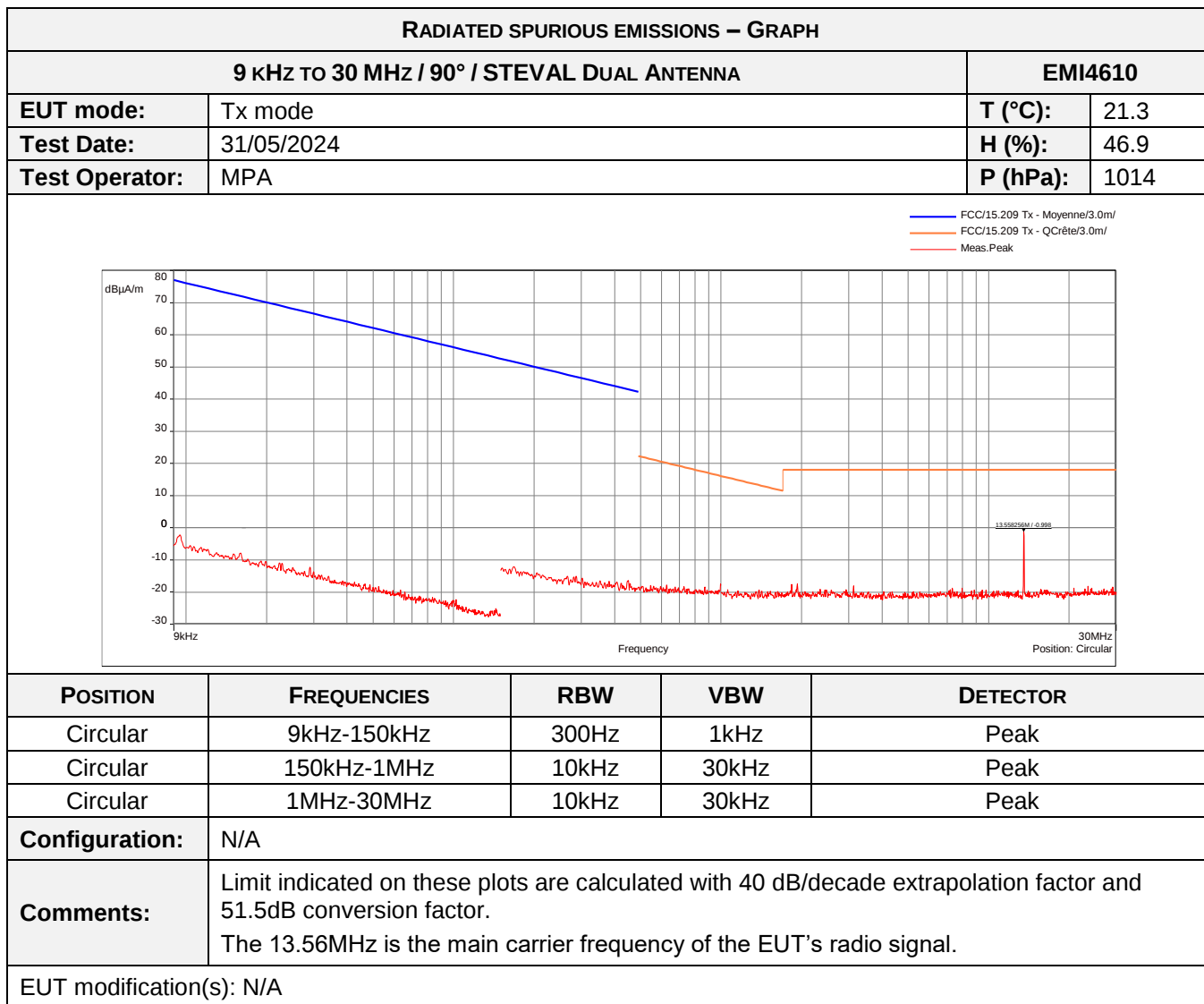


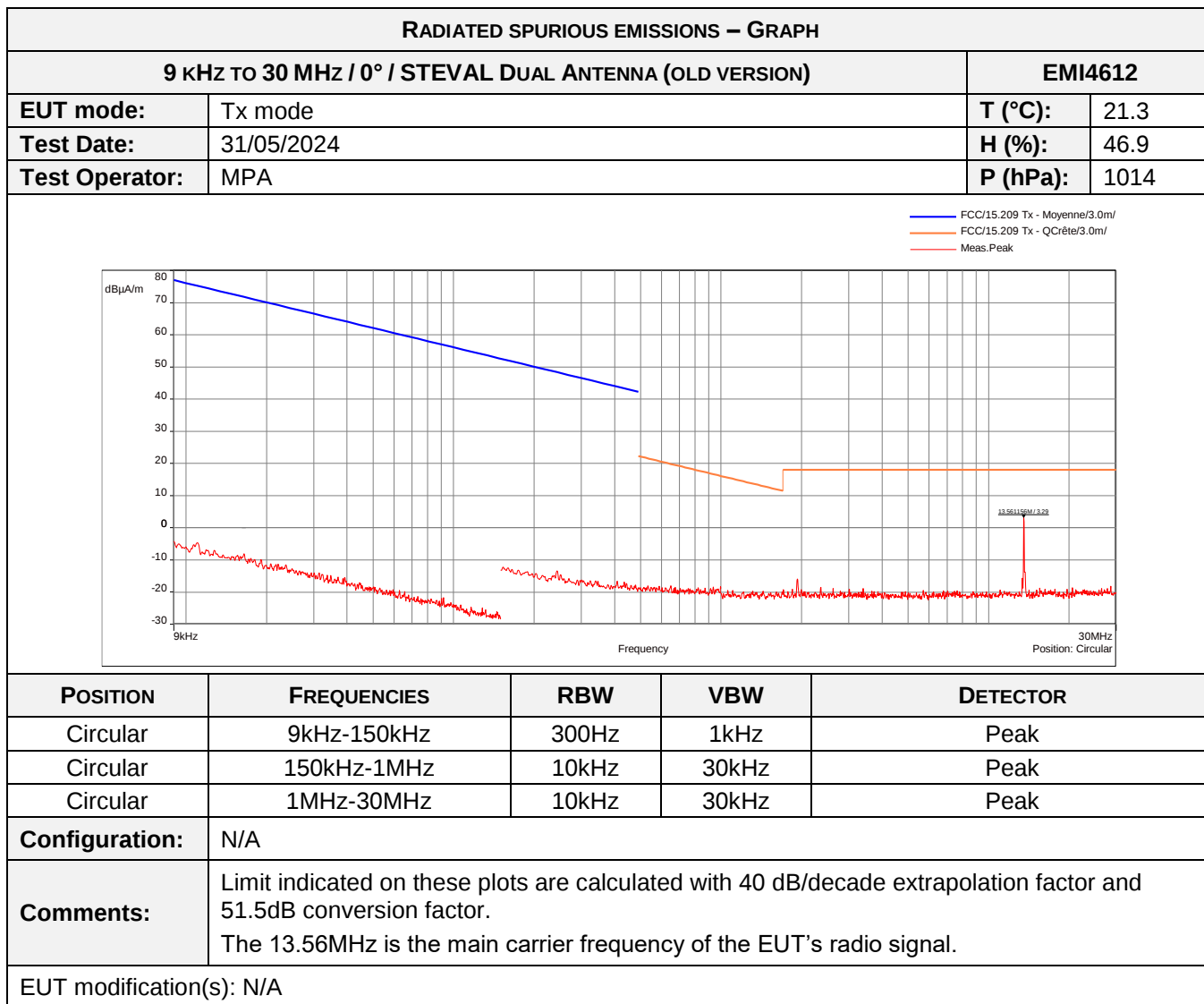


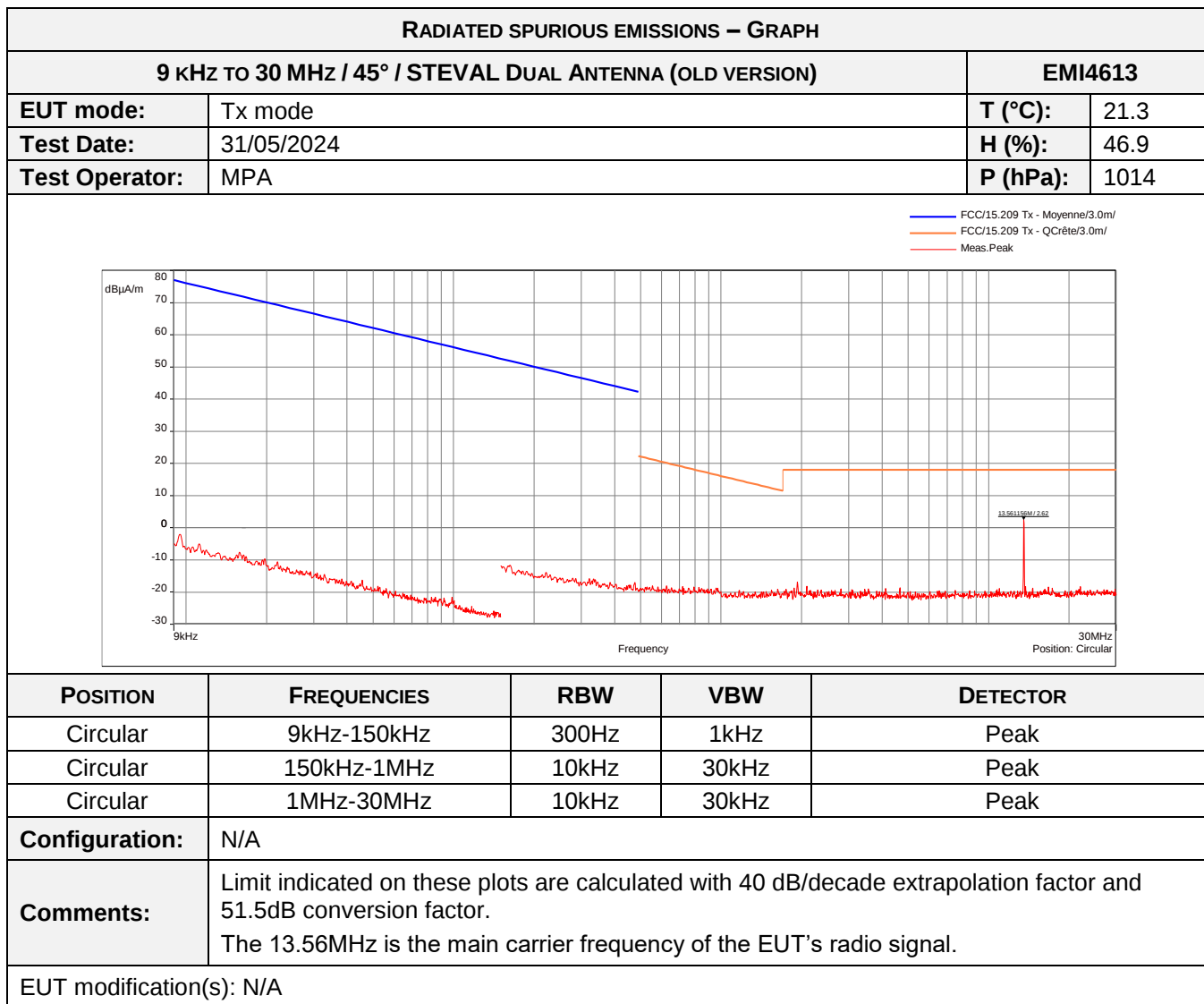


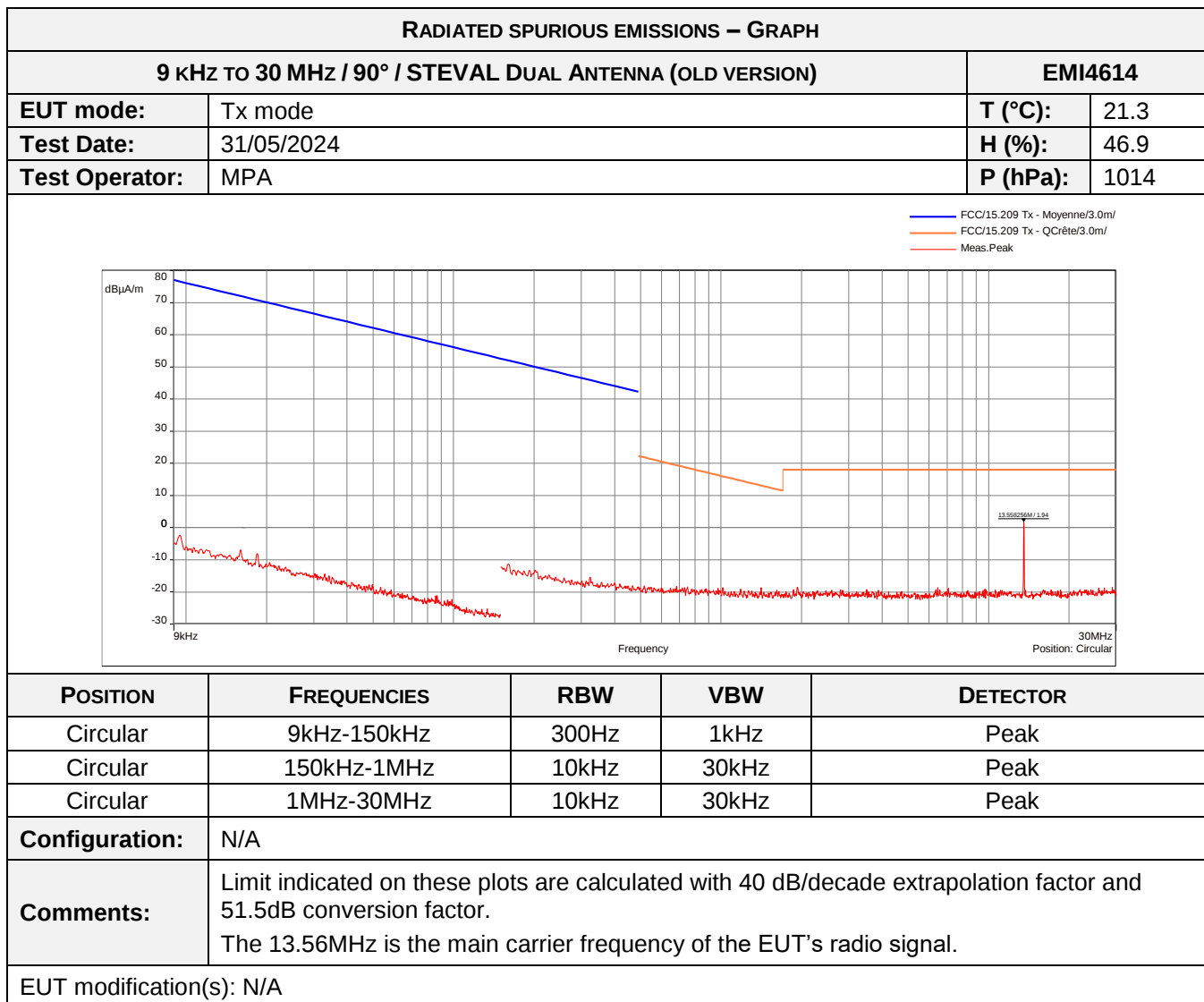


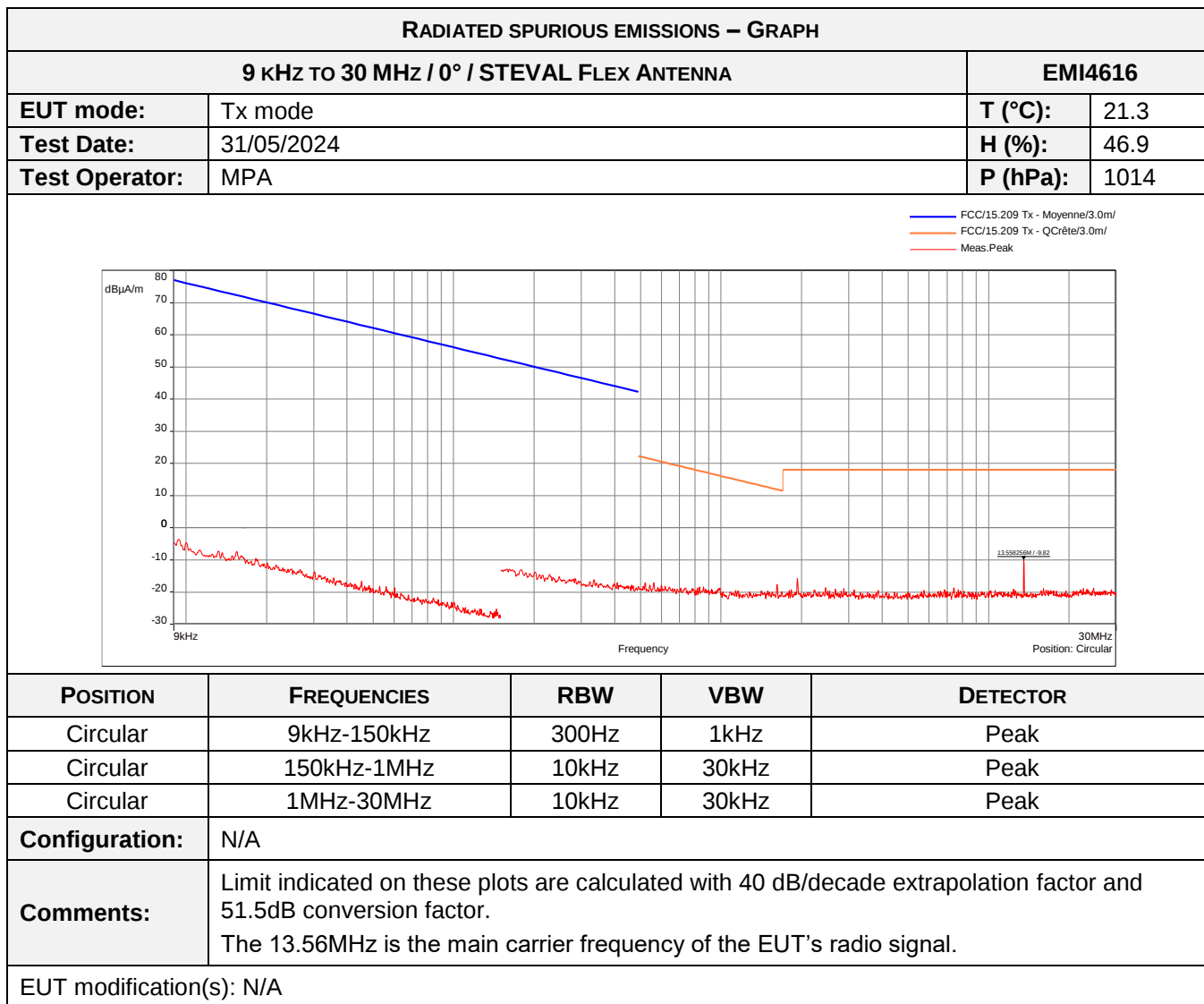


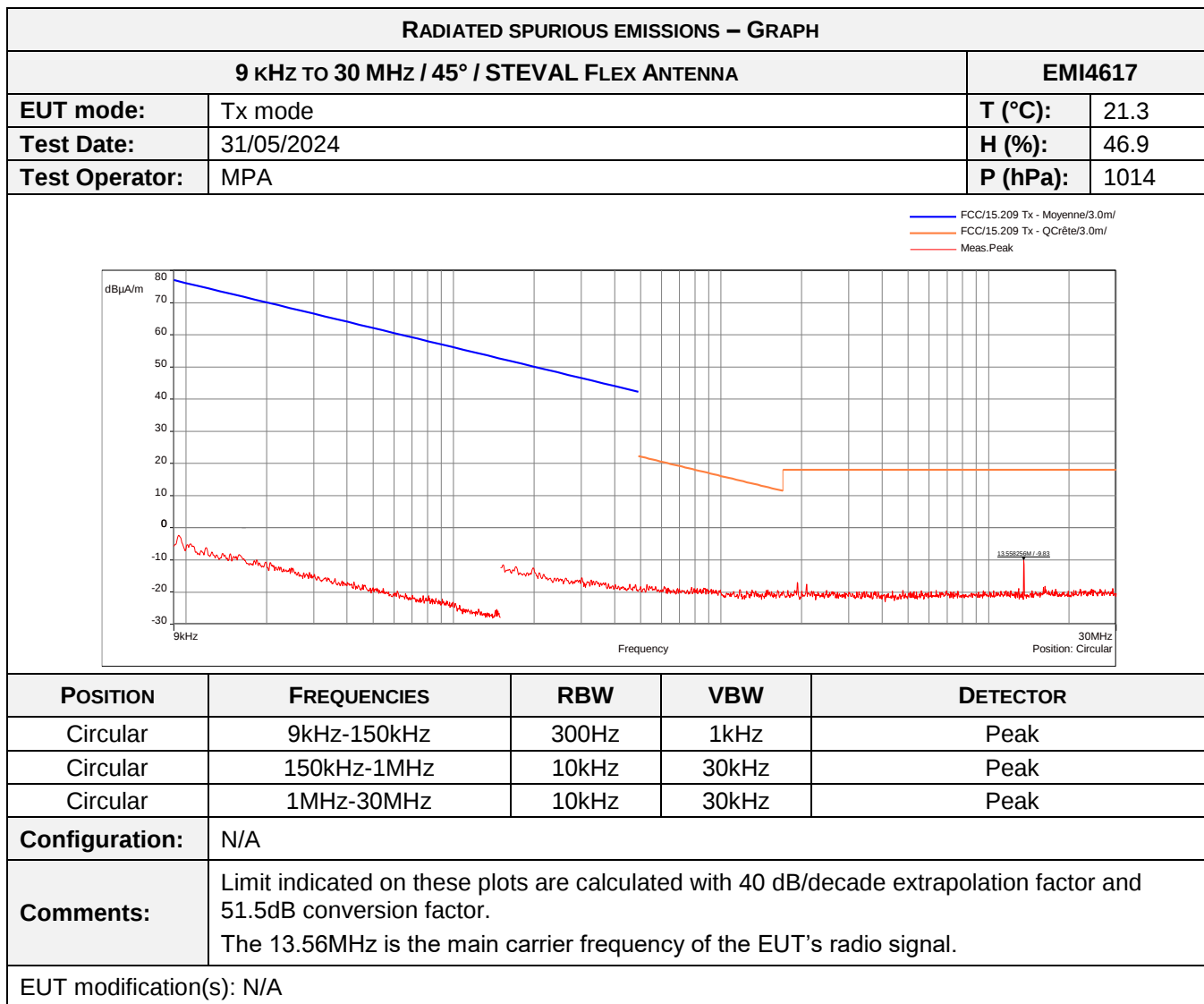


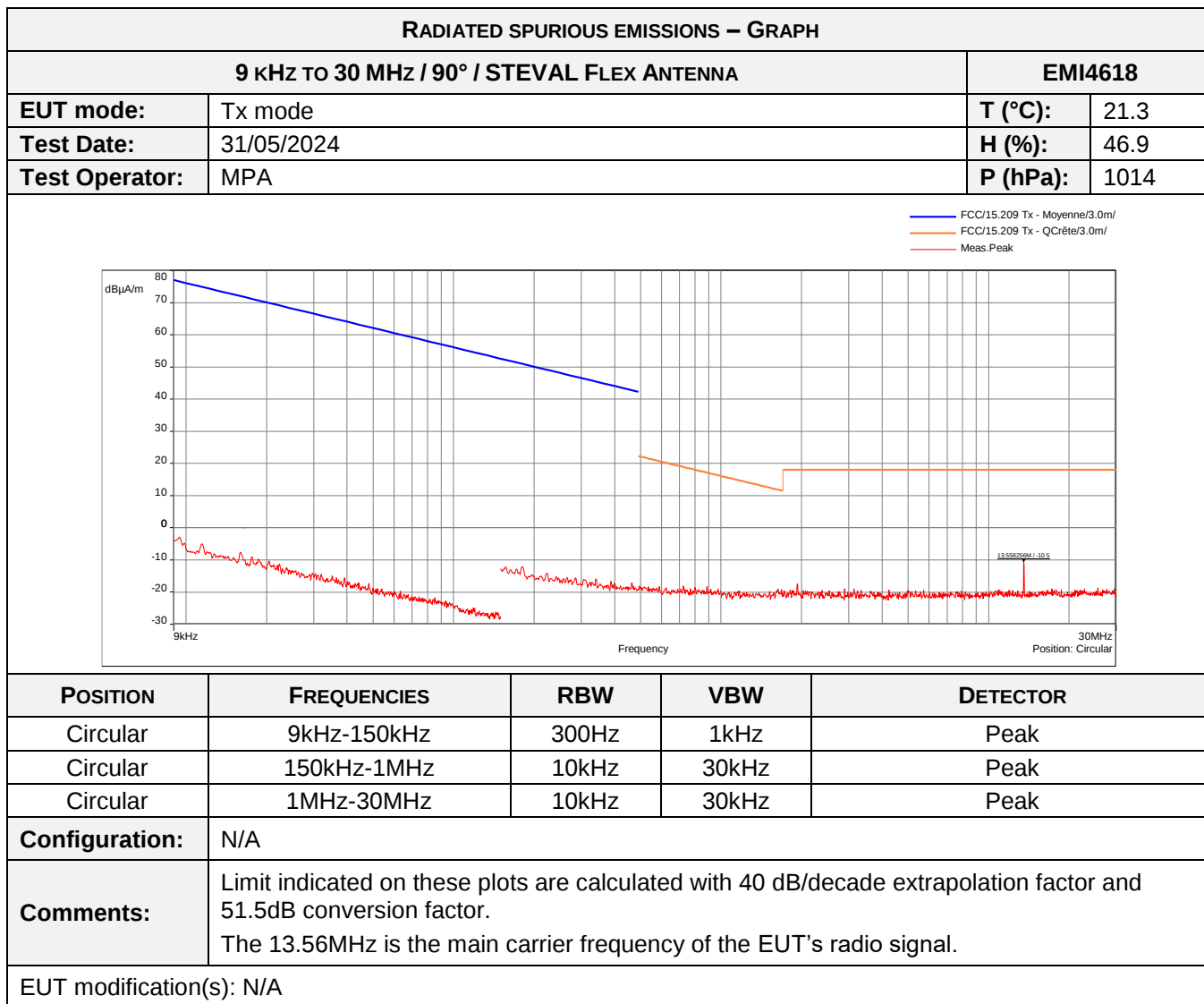


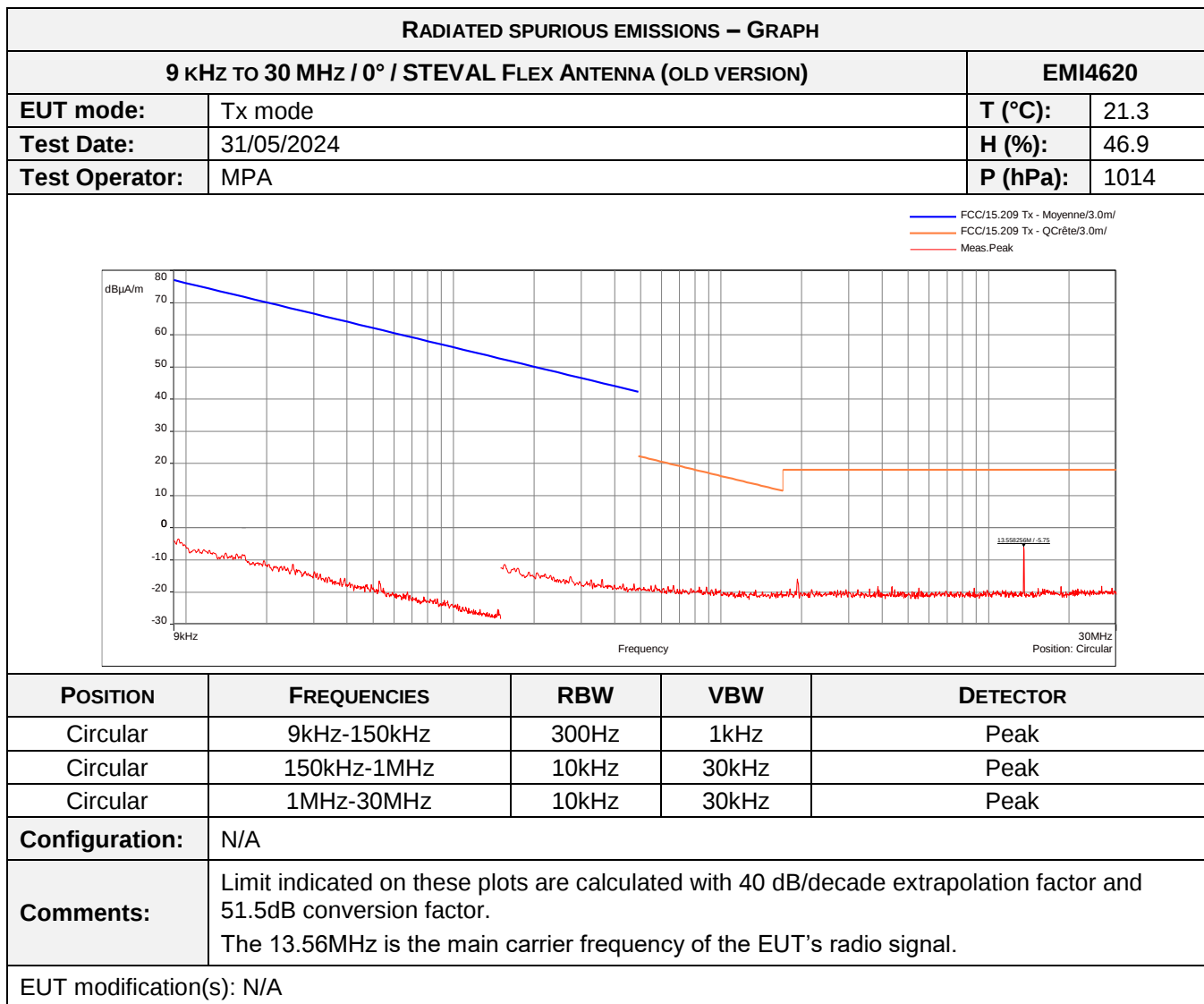


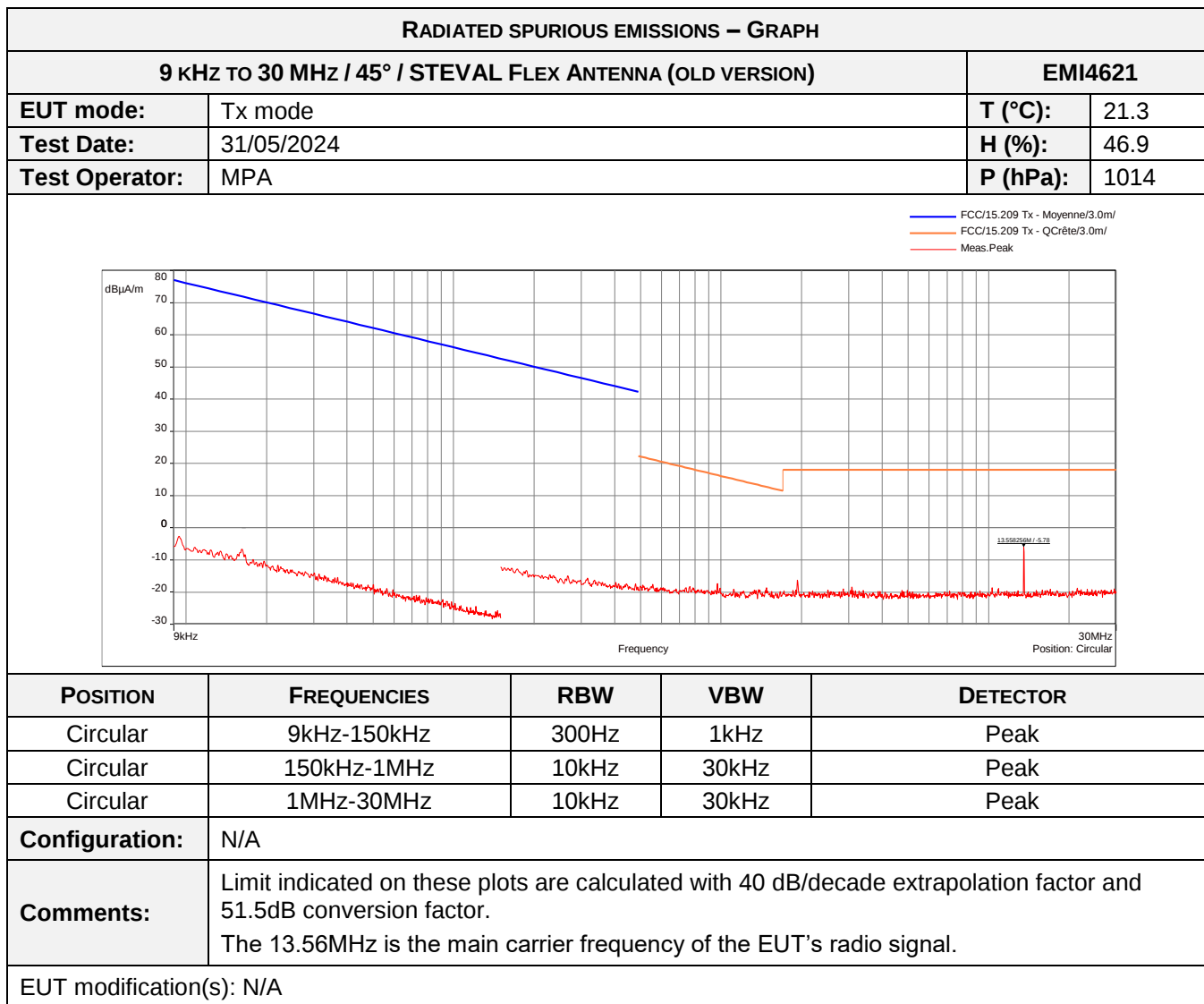


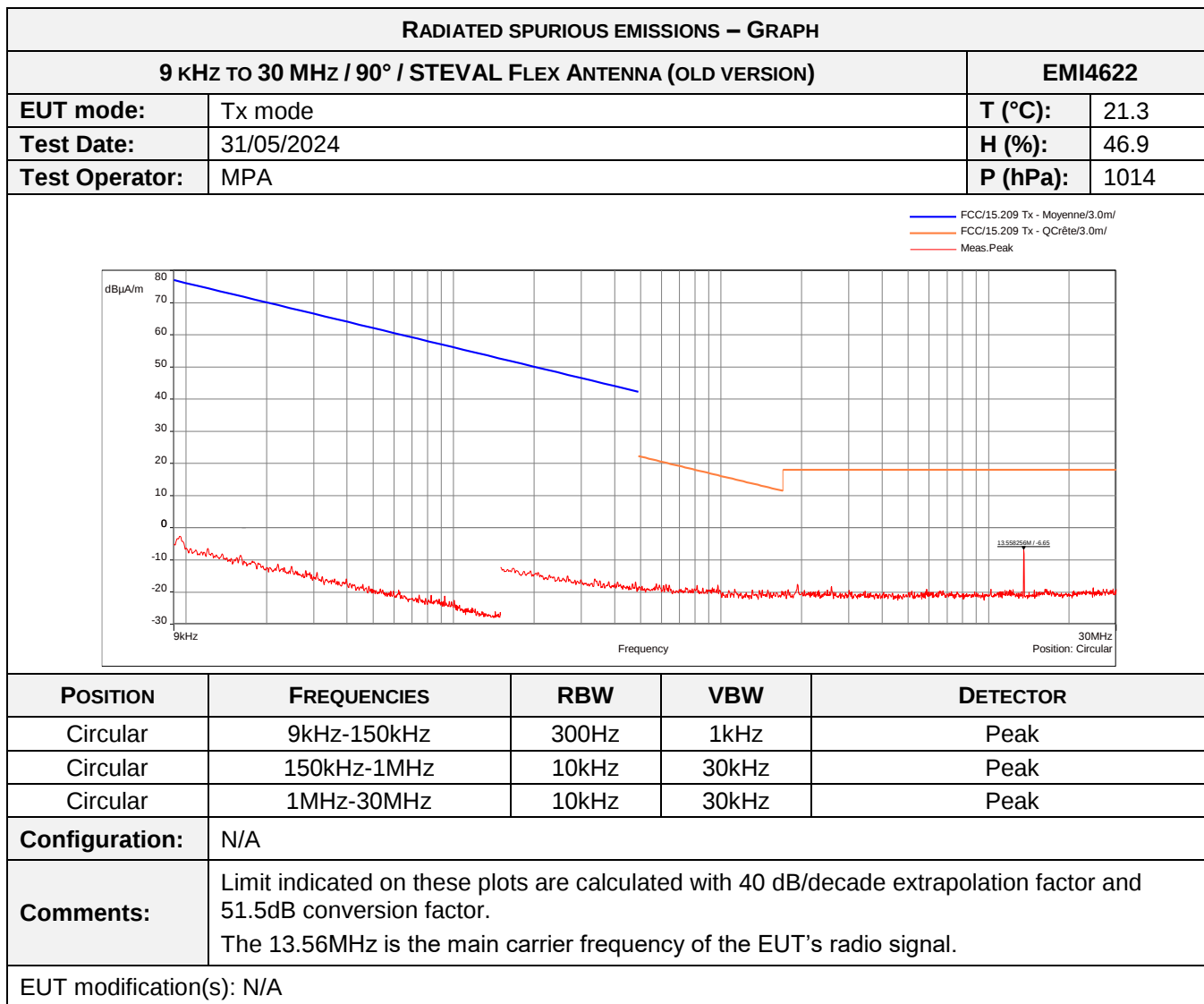


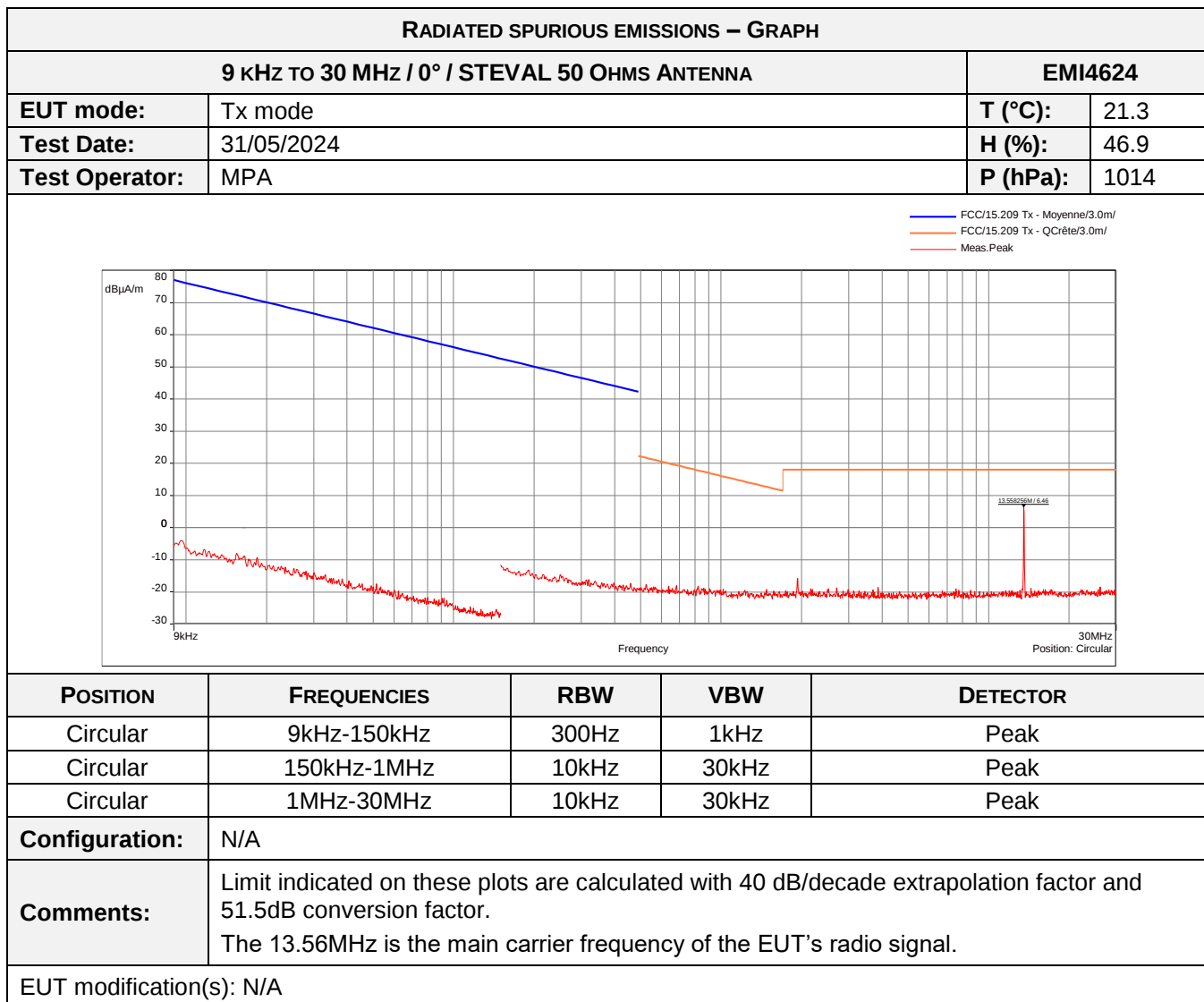


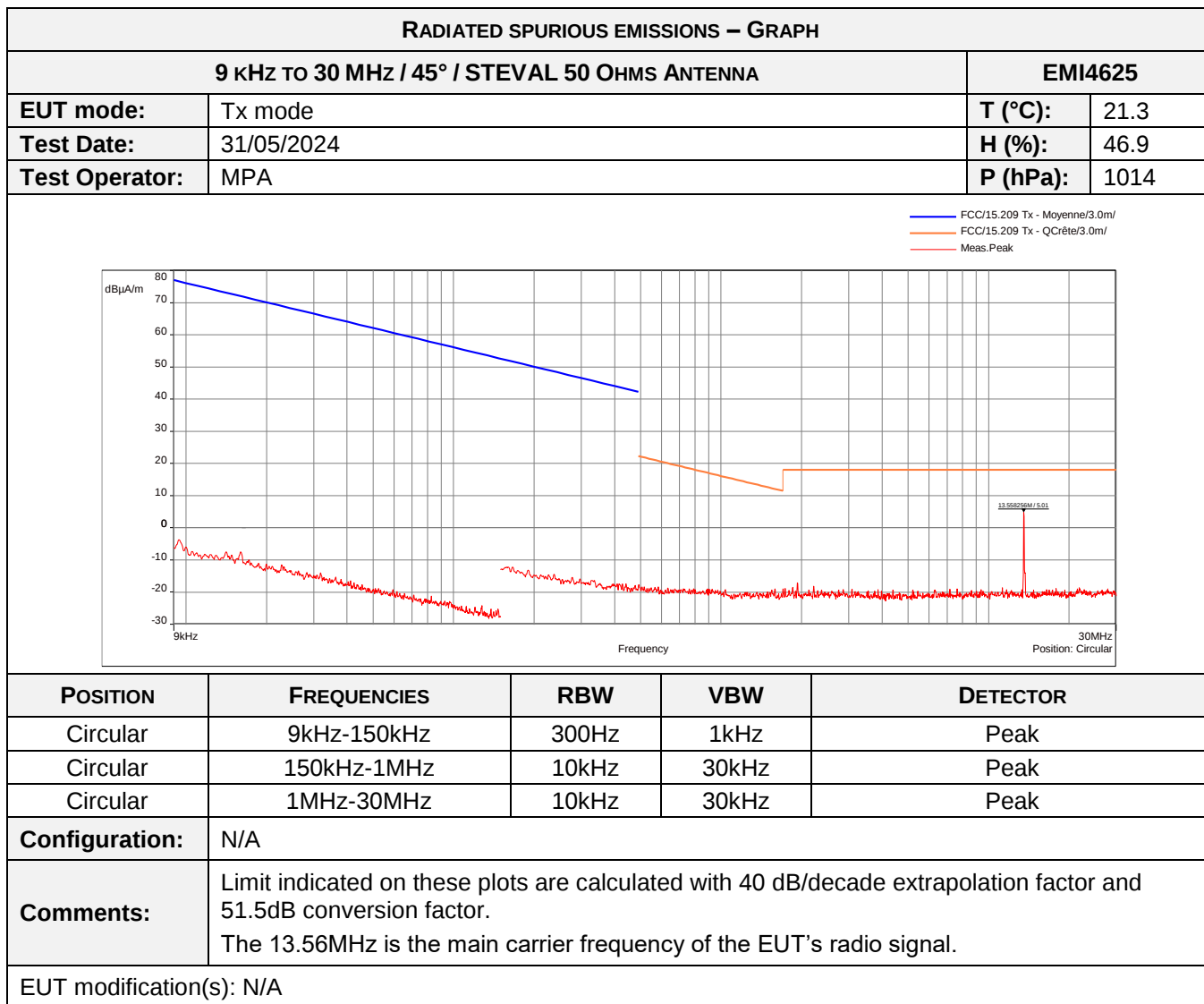


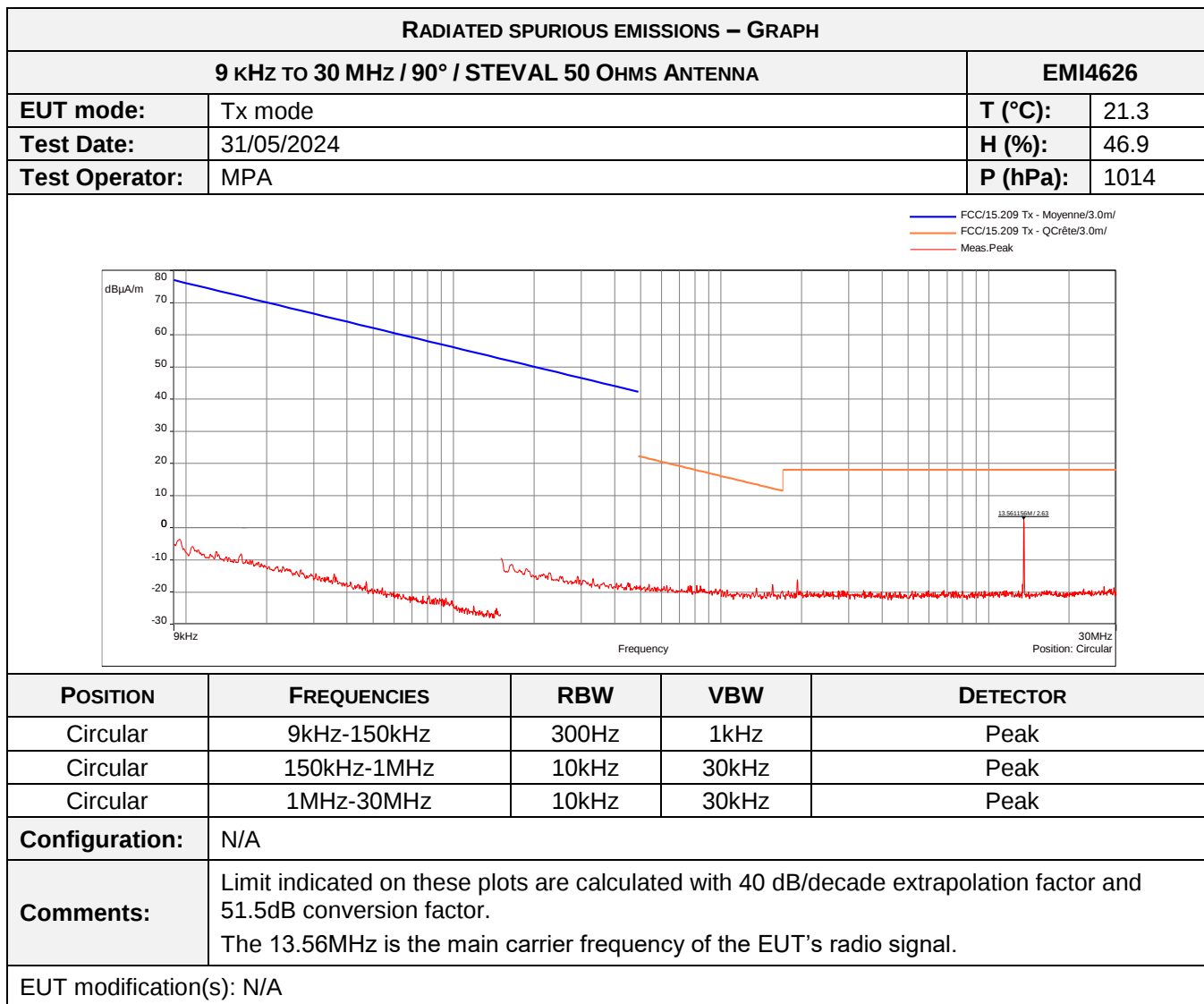


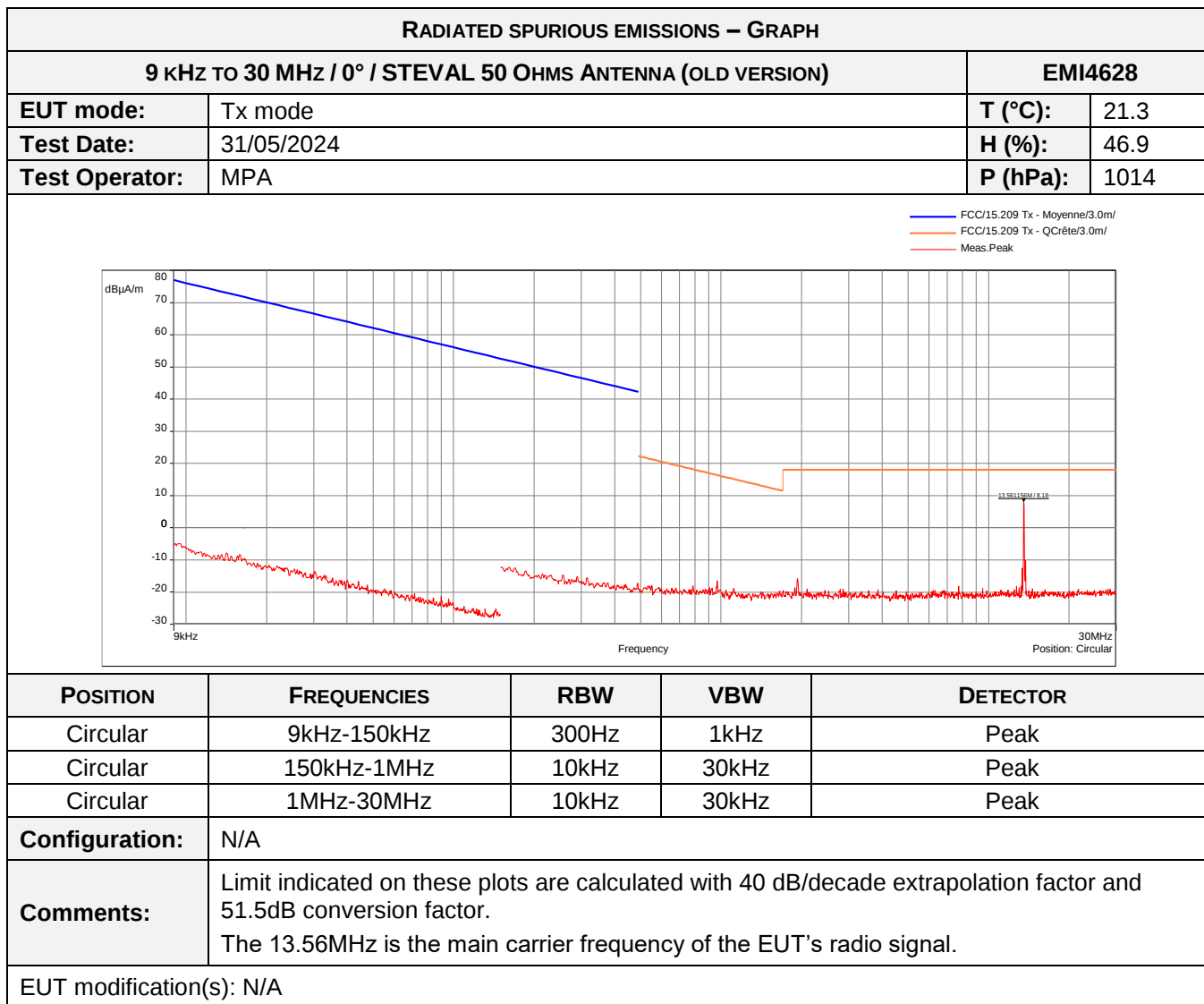


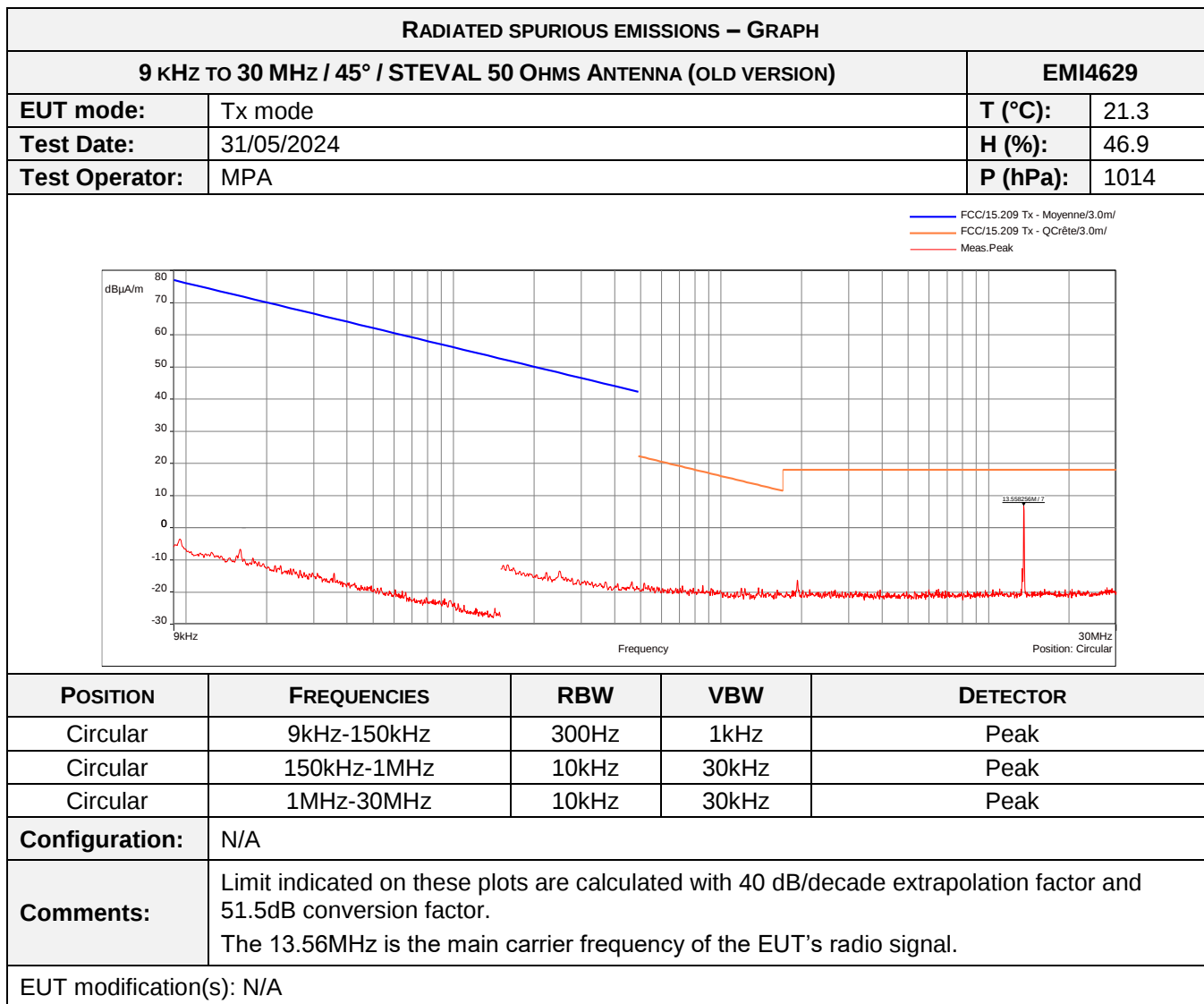


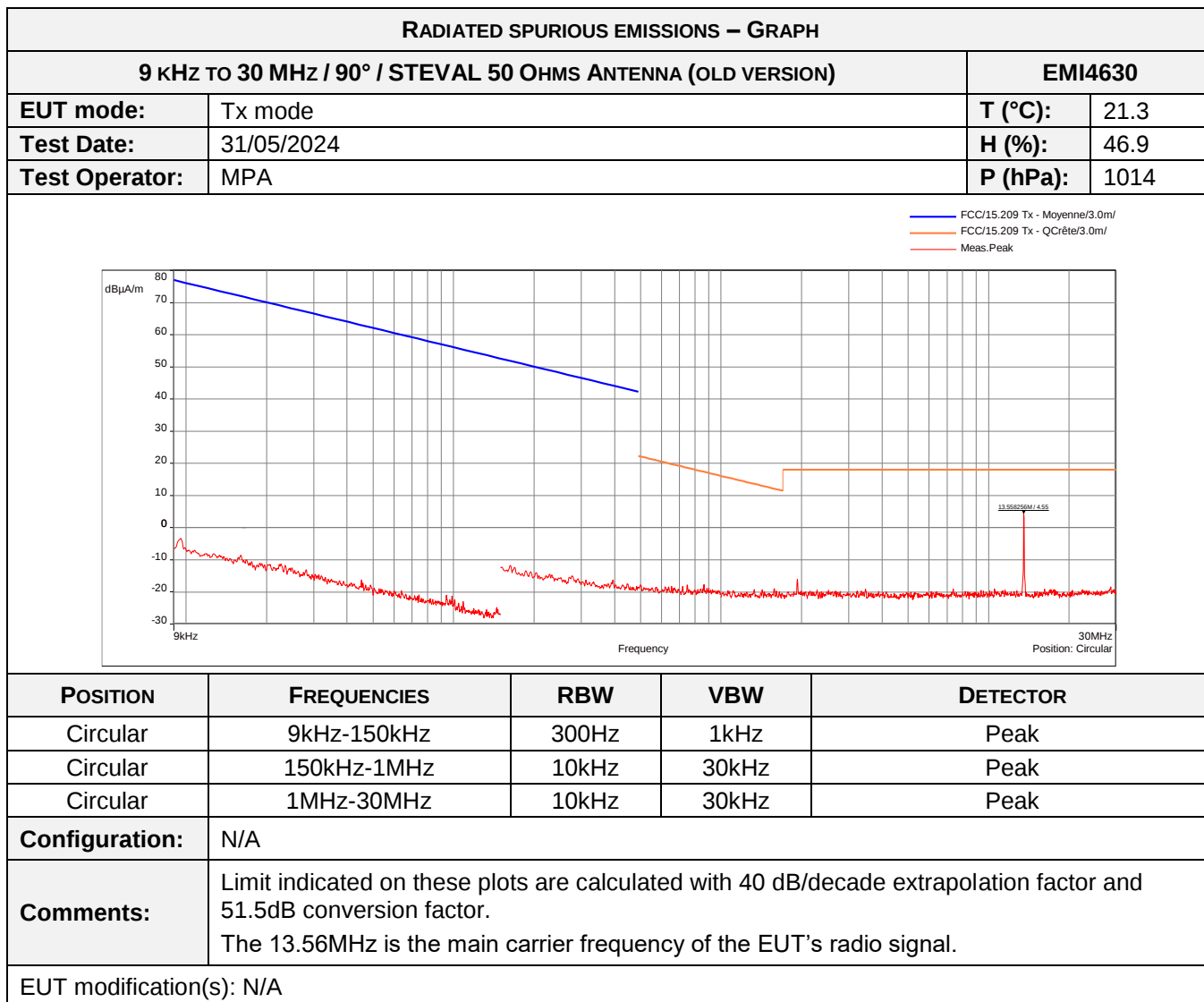


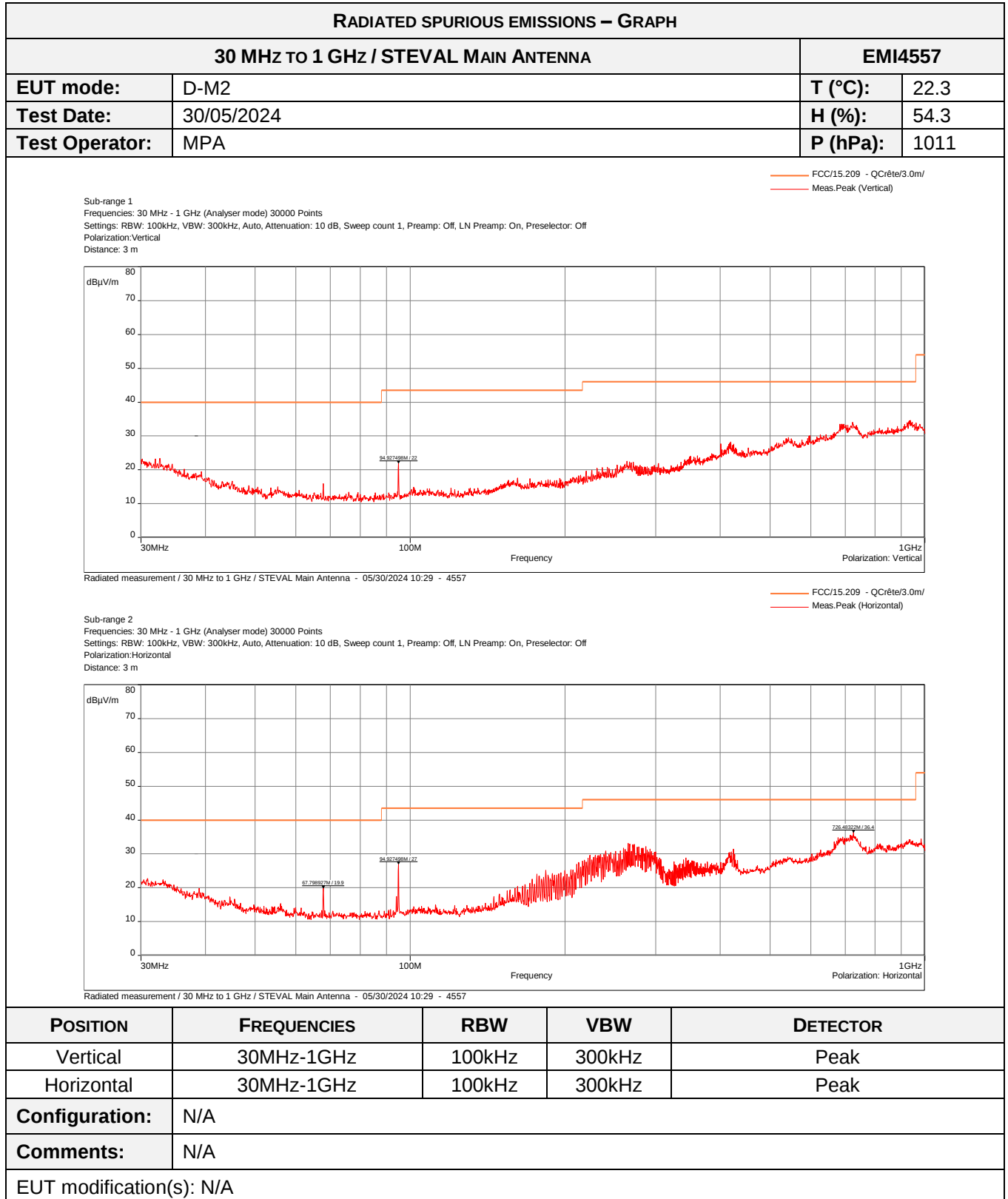


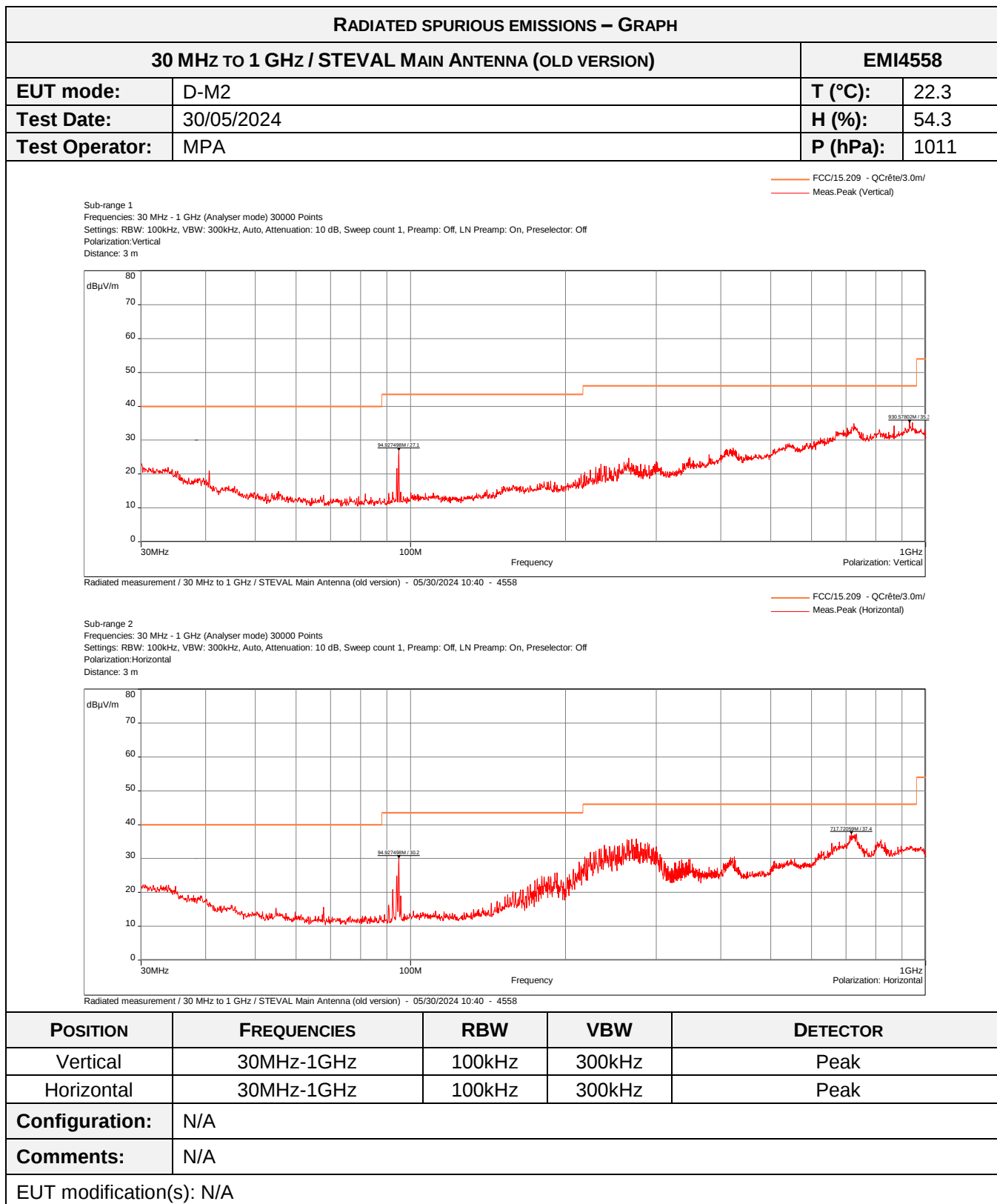


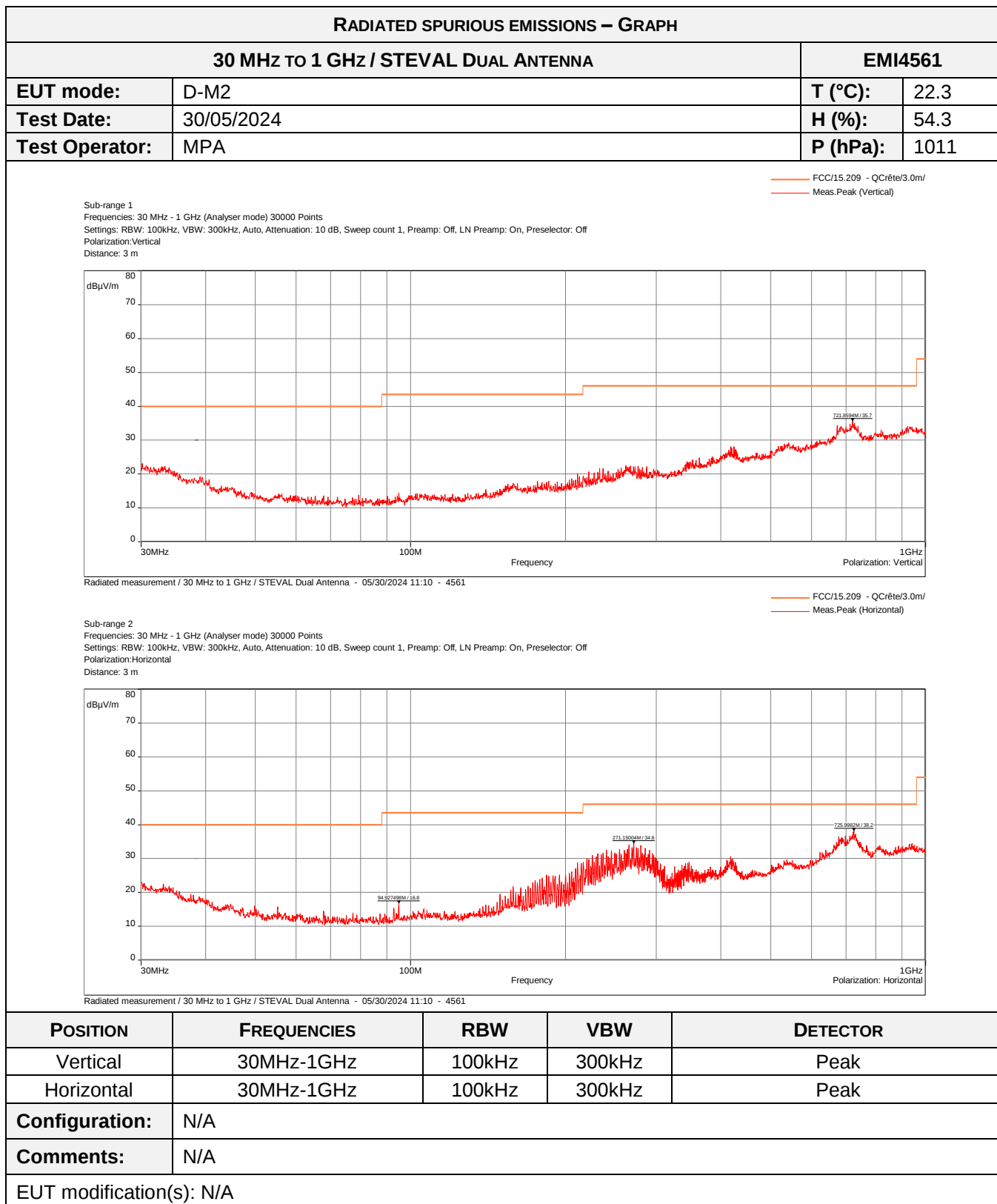


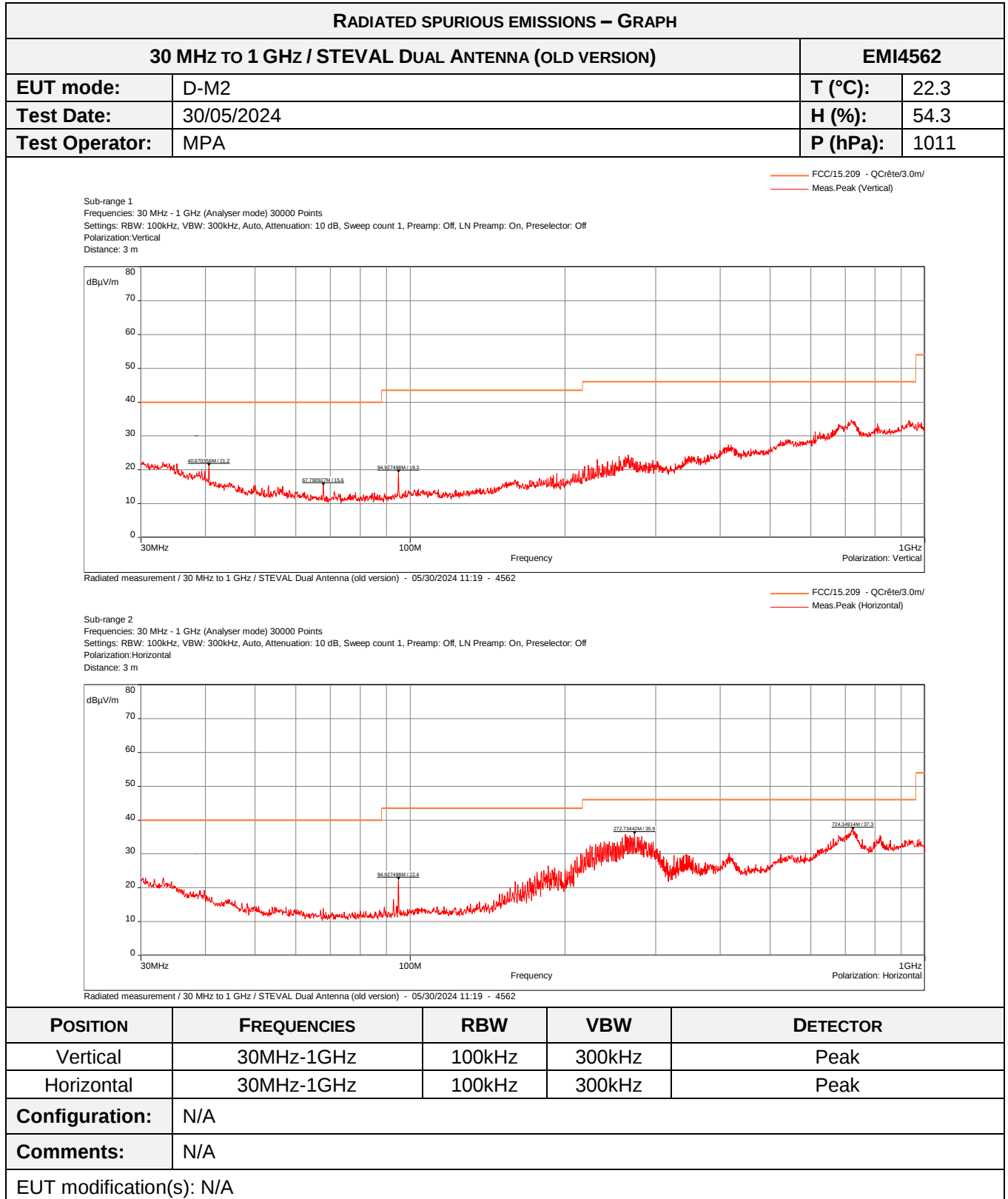


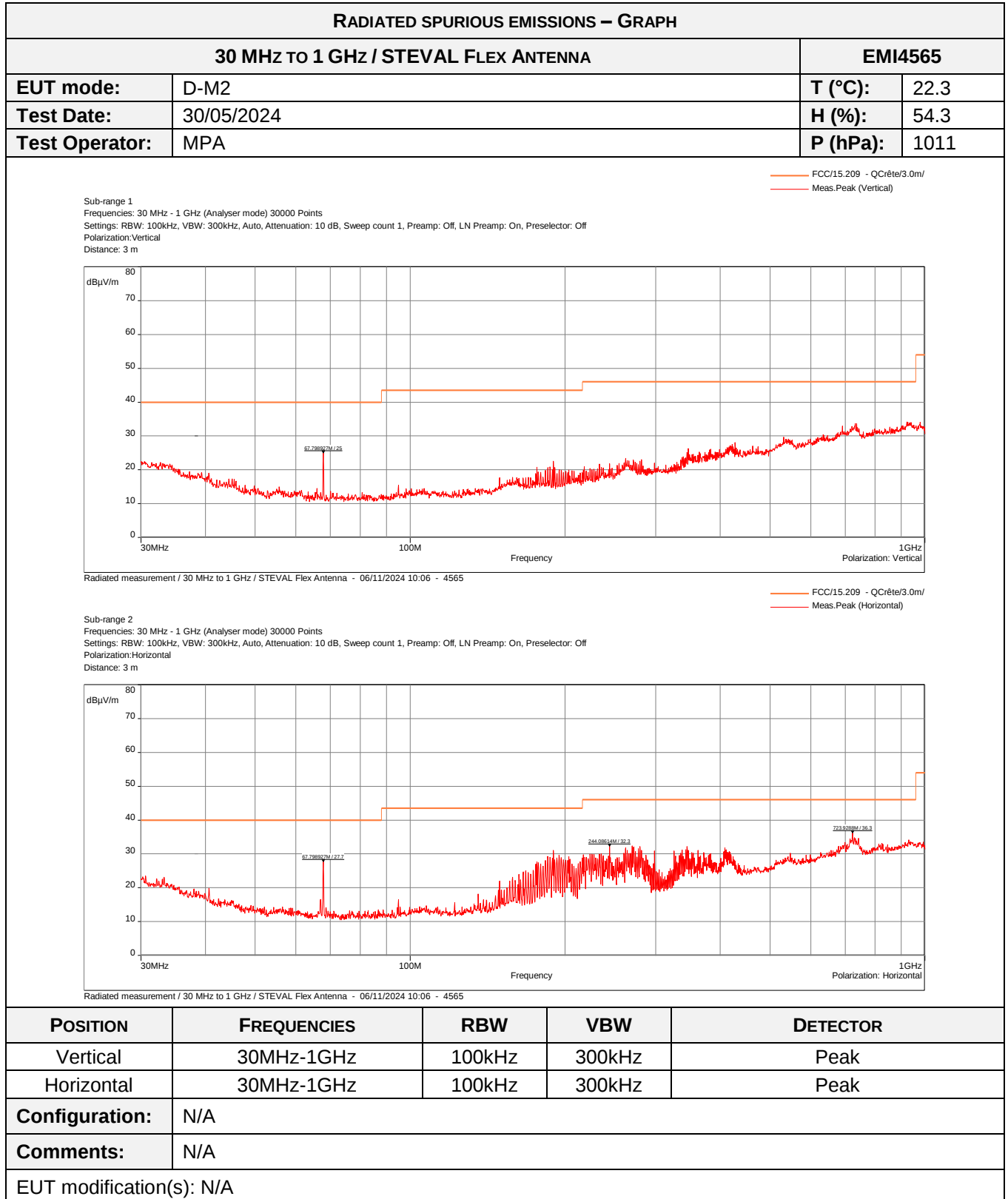


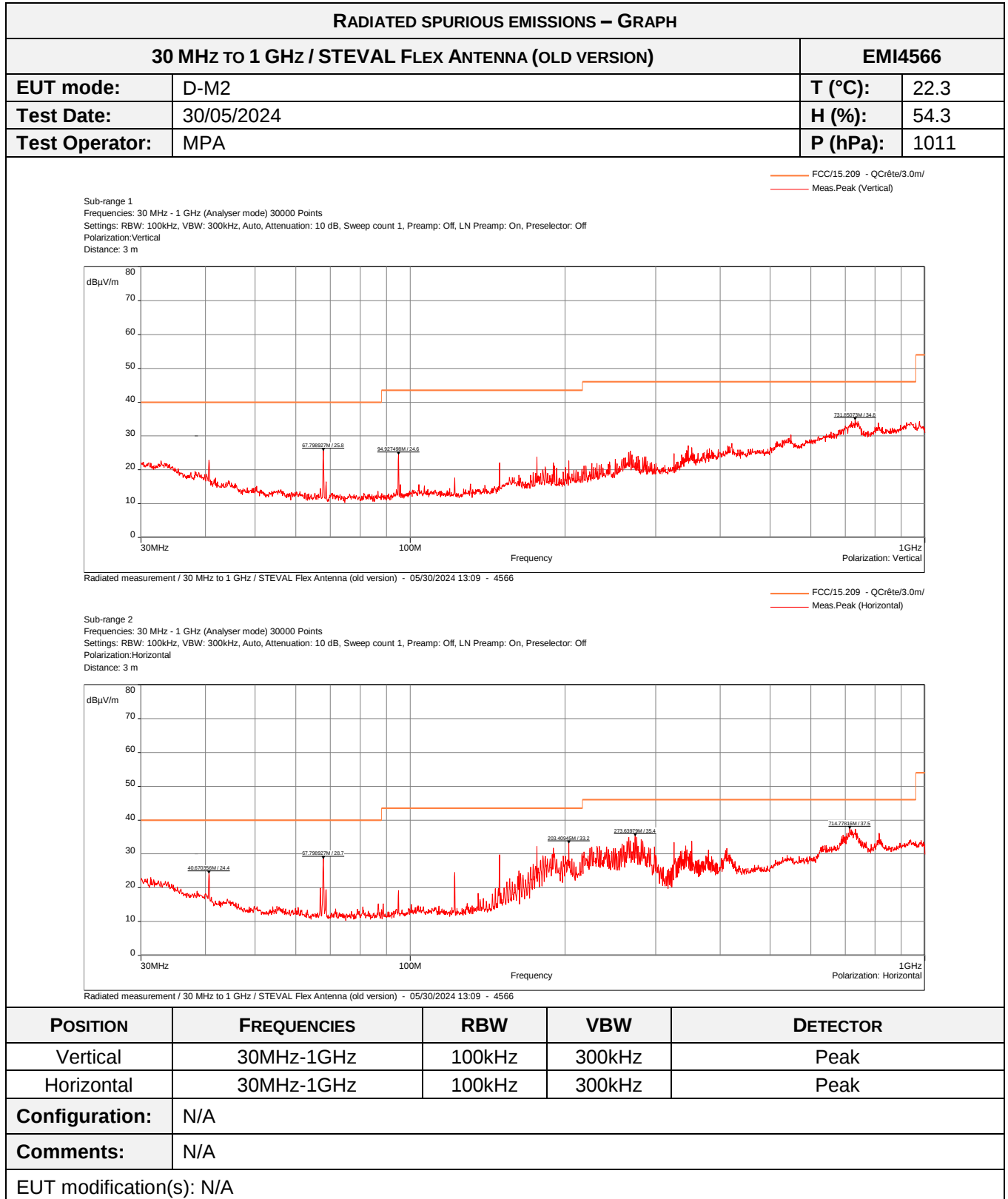


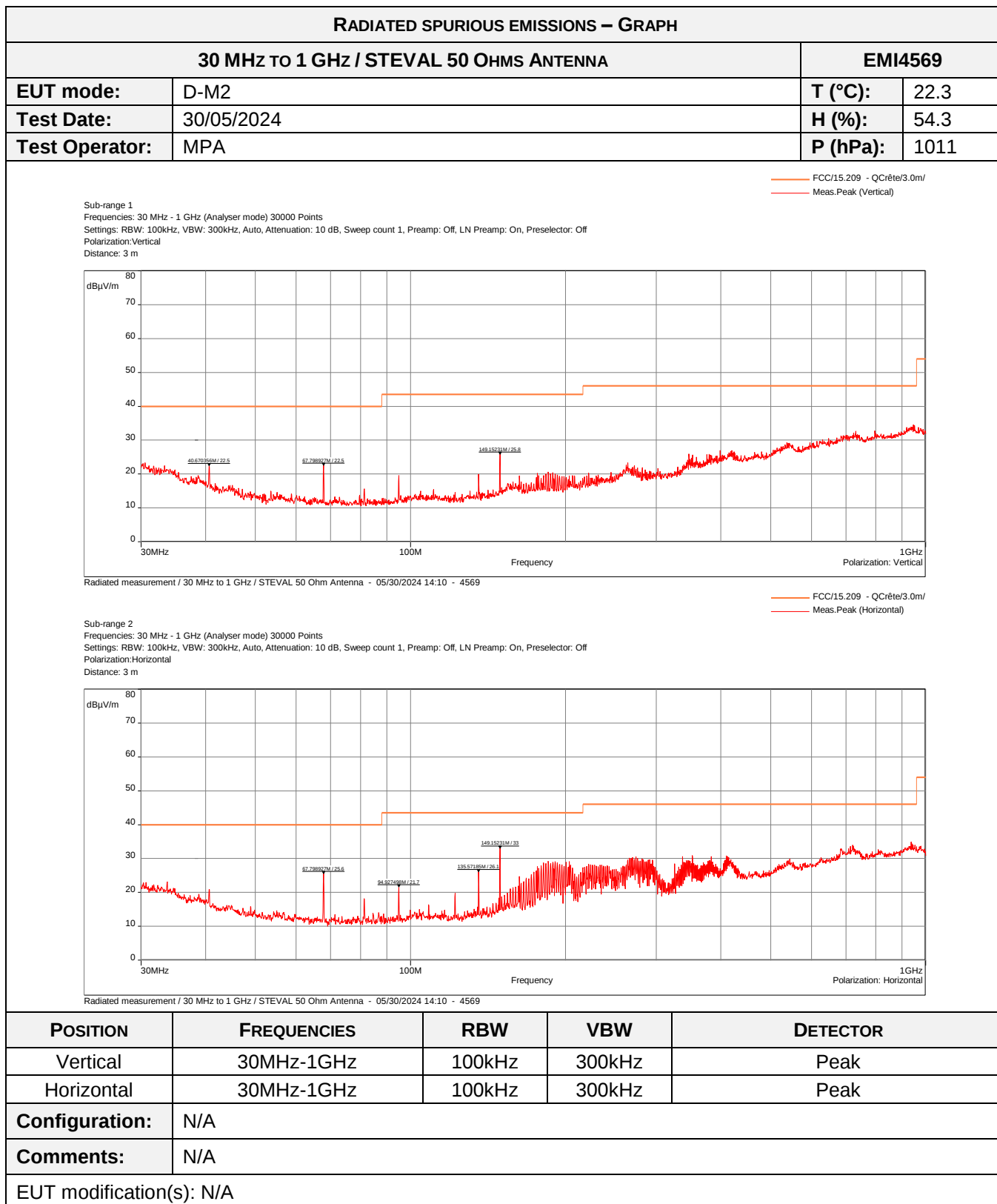


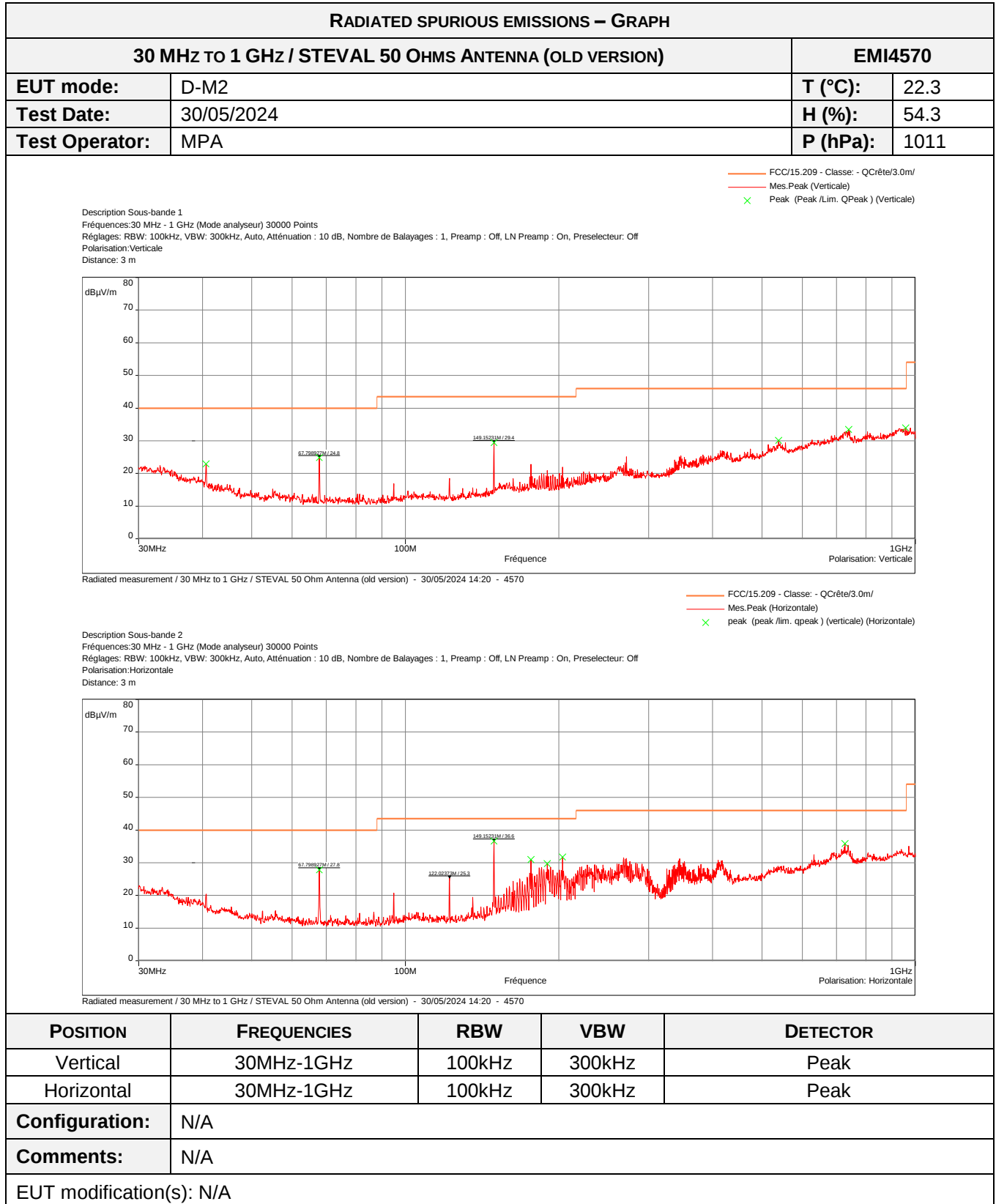












6.2. Field strength in the band 13.553-13.567MHz

Reference standard:	FCC Part 15.225 a) RSS-210
Test method:	ANSI C63.10: 2013
General test setup: EUT is set on an insulating support at 80cm. Measurements were then performed in a 10-meter Open Area Test Site that complies to CISPR 16. The EUT was rotated 360° in order to maximize radiated levels. Test antenna was oriented in 3 axes (0°, 45° and 90°). For portable equipments a research of maximum level is done on the 3 axes. Only the highest levels are recorded.	

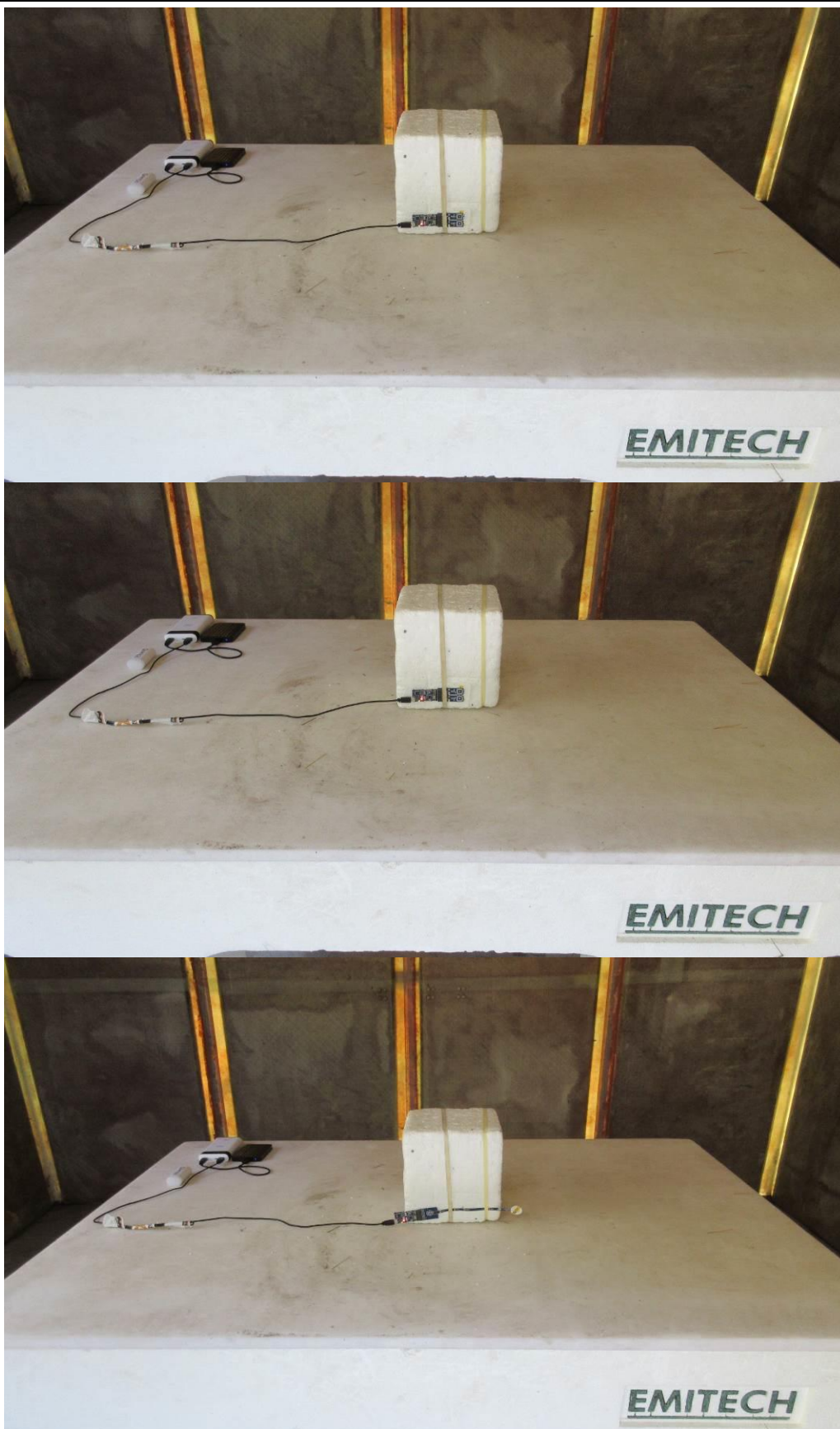
TEST CASE	EUT MODE	SEVERITY	RESULT TAB.	VERDICT
STEVAL Main Antenna	Tx mode	15848µV/m at 30m	EMI4400	PASS
STEVAL Main Antenna (old version)	Tx mode	15848µV/m at 30m	EMI4401	PASS
STEVAL Dual Antenna	Tx mode	15848µV/m at 30m	EMI4402	PASS
STEVAL Dual Antenna (old version)	Tx mode	15848µV/m at 30m	EMI4403	PASS
STEVAL Flex Antenna	Tx mode	15848µV/m at 30m	EMI4404	PASS
STEVAL Flex Antenna (old version)	Tx mode	15848µV/m at 30m	EMI4405	PASS
STEVAL 50 Ohms Antenna	Tx mode	15848µV/m at 30m	EMI4406	PASS
STEVAL 50 Ohms Antenna (old version)	Tx mode	15848µV/m at 30m	EMI4407	PASS

LABORATORY PARAMETERS:	REQUIRED PRIOR TO THE TEST	DURING THE TEST
Ambient Temperature	15 to 35 °C	22.3 °C
Relative Humidity	20 to 75 %	54.3 %
Atmospheric pressure	N/A	1011 hPa
Test method deviation: N/A		
Supplementary information: Only maximum level is recorded.		

TEST EQUIPMENT USED					
CATEGORY	BRAND	TYPE	IDENTIFIER	CAL. DATE	CAL. DUE
Antenna	Rohde & Schwarz	HFH2-Z2	5825	16/08/2022	16/10/2024
Cable	Huber + Suhner	N-20m	8385	16/08/2023	16/08/2025
Open area test site	EMITECH	Salinelles	3482	21/08/2021	21/10/2024
Receiver	Rohde & Schwarz	ESHS10	3371	04/05/2023	04/07/2024
Thermohygrometer	Testo	608-H2	12269	07/06/2022	07/08/2024
Turntable	Heinrich Deisel	D4420	4038		

Blank cells = Permanent validity

TEST SETUP PHOTO(S)



TEST SETUP PHOTO(S)



TEST SETUP PHOTO(S)



STEVAL MAIN ANTENNA - TABULATED RESULTS				EMI4400
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-15.58	51.58	15848
13.56	45	-15.98	51.58	15848
13.56	90	-14.38	51.58	15848
Comments:	Maximun level at 10 m is -14.38 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 18.04 dBμV/m for a limit at 84 dBμV/m.			

STEVAL MAIN ANTENNA (OLD VERSION) - TABULATED RESULTS				EMI4401
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-18.74	51.58	15848
13.56	45	-19.14	51.58	15848
13.56	90	-17.54	51.58	15848
Comments:	Maximun level at 10 m is -17.54 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 14.88 dBμV/m for a limit at 84 dBμV/m.			

STEVAL DUAL ANTENNA - TABULATED RESULTS				EMI4402
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-19.51	51.58	15848
13.56	45	-16.51	51.58	15848
13.56	90	-18.51	51.58	15848
Comments:	Maximun level at 10 m is -16.51 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 15.51 dBμV/m for a limit at 84 dBμV/m.			

STEVAL DUAL ANTENNA (OLD VERSION) - TABULATED RESULTS				EMI4403
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-16.74	51.58	15848
13.56	45	-14.14	51.58	15848
13.56	90	-15.24	51.58	15848
Comments:	Maximun level at 10 m is -14.14 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 18.28 dBμV/m for a limit at 84 dBμV/m.			

STEVAL FLEX ANTENNA - TABULATED RESULTS				EMI4404
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-12.37	51.58	15848
13.56	45	-14.07	51.58	15848
13.56	90	-11.27	51.58	15848
Comments:	Maximun level at 10 m is -11.27 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 21.15 dBμV/m for a limit at 84 dBμV/m.			

STEVAL FLEX ANTENNA (OLD VERSION) - TABULATED RESULTS				EMI4405
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-16.44	51.58	15848
13.56	45	-18.14	51.58	15848
13.56	90	-15.34	51.58	15848
Comments:	Maximun level at 10 m is -15.34 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 17.08 dBμV/m for a limit at 84 dBμV/m.			

STEVAL 50 OHMS ANTENNA - TABULATED RESULTS				EMI4406
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-8.36	51.58	15848
13.56	45	-3.36	51.58	15848
13.56	90	-1.36	51.58	15848
Comments:	Maximun level at 10 m is -1.36 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 31.06 dBμV/m for a limit at 84 dBμV/m.			

STEVAL 50 OHMS ANTENNA (OLD VERSION) - TABULATED RESULTS				EMI4407
Frequency (MHz)	Polarization (°)	Level at 10m (dBμA/m)	Limit at 10m (dBμA/m)	Limit at 30m (μV/m)
13.56	0	-6.64	51.58	15848
13.56	45	-1.64	51.58	15848
13.56	90	0.36	51.58	15848
Comments:	Maximun level at 10 m is 0.36 dBμA/m for a limit at 51.58 dBμA/m. Using an extrapolation factor of 40 dB/dec and a conversion factor of -51.5 dB, level at 30m is 32.78 dBμV/m for a limit at 84 dBμV/m.			

EUT MODIFICATIONS	OPERATOR	TEST DATE	RESULT TAB.
N/A	MPA	30/05/2024	EMI4400
N/A	MPA	30/05/2024	EMI4401
N/A	MPA	30/05/2024	EMI4402
N/A	MPA	30/05/2024	EMI4403
N/A	MPA	30/05/2024	EMI4404
N/A	MPA	30/05/2024	EMI4405
N/A	MPA	30/05/2024	EMI4406
N/A	MPA	30/05/2024	EMI4407

End of test report