



Amendment to

InterLab®

FCC Measurement/Technical Report

Amendment Reference: MDE_Opti_0611_FCCg-A

Test Laboratory:

7 layers AG
Borsigstrasse 11
40880 Ratingen
Germany
email: info@7Layers.de



DAT-P-192/99-01



Note:

The following test results relate only to the devices specified in this document. This report shall not be reproduced in parts without the written approval of the testing laboratory.

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Chairman of the Supervisory Board:
Markus Becker
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René Schildknecht*

*Registergericht • registered in:
Düsseldorf, HRB 44096
USt-IdNr • VAT Nr:
DE 203159652*

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1 Intention of this amendment

The GSM/UMTS module MO0201 was tested and described in the 7 layers test report MDE_Opti_0611_FCCg, dated 2007-03-09.

The difference to the module MO0202 is the receiver diversity, which is active for the UMTS band FDD2 for MO0202 and which was active for the UMTS band FDD1 for the formerly tested MO0201.

Due to this difference the spurious radiation measurement according to FCC §2.1053 was applied again to the module MO0202.

The radiation did not exceed the limit as you can read from the measurement plots starting at page 6 of this amendment.



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Phone +49 (0)2102 749 0

Responsible for
Accreditation Scope:

B. Petha

Responsible for
this amendment:

A. Pöhl



2 Administrative Data

2.1 Testing Laboratory

Company Name: 7 Layers AG
Address Borsigstr. 11
40880 Ratingen
Germany

This facility has been fully described in a report submitted to the FCC and accepted under the registration number 96716 .

The test facility is also accredited by the following accreditation organisation:
- Deutscher Akkreditierungs Rat DAR-Registration no. DAT-P-192/99-01

Responsible for Accreditation Scope: Dipl.-Ing. Bernhard Retka
Dipl.-Ing. Robert Machulec
Dipl.-Ing. Thomas Hoell

Report Template Version: 2006-08-31

2.2 Project Data

Responsible for testing and this document: Dipl.-Ing. Andreas Petz
Receipt of EUT: 2006-12-12
Date of Test(s): 2007-01-10
Date of Amendment: 2007-03-09

2.3 Applicant Data

Company Name: Option NV
Address: Gaston Geenslaan 14
3001 Leuven
Belgium
Contact Person: Mr. Stefan Lodeweyckx

2.4 Manufacturer Data

Company Name: please see applicant data

Address:

Contact Person:



3 Testobject Data

3.1 General EUT Description

Equipment under Test:	GSM / UMTS module
Type Designation:	MO0202
Kind of Device:	GSM 850/900/1800/1900 + UTRA FDD I/II/V
(optional)	module
Voltage Type:	DC
Nominal Voltage:	3.6 V

General product description:

The Equipment Under Test (EUT) is a GSM 850/900/1800/1900 module and supports EDGE and FDD I/II/V with HSDPA.

The EUT provides the following ports:

Ports

antenna connector
enclosure



3.2 EUT Main components

Type, S/N, Short Descriptions etc. used in this Document

Short Description	Equipment under Test	Type Designation	Serial No.	HW Status	SW Status	Date of Receipt
EUT A (Code: 37180g07)	GSM module	MO0202	SC346CB05A	3.0	1.10.7	2006-12-13

NOTE: The short description is used to simplify the identification of the EUT in this document.

3.3 Ancillary Equipment

For the purposes of this test report, ancillary equipment is defined as equipment which is used in conjunction with the EUT to provide operational and control features to the EUT. It is necessary to configure the system in a typical fashion, as a customer would normally use it. But nevertheless Ancillary Equipment can influence the test results.

Short Description	Equipment under Test	Type Designation	HW Status	SW Status	Serial no.	FCC ID
AE1	Test cradle	Kangaroo Cradle V1	A22 A60	-	71621	-
AE2	External Antenna	Radiall EPA04 - 064	-	-	-	-
AE3	External Antenna	Telsa T01111934	-	-	-	-

3.4 EUT Setups

This chapter describes the combination of EUT's and ancillary equipment used for testing.

Setup No.	Combination of EUTs	Description
setup_a01	EUT A + AE1 + AE2 + AE3	

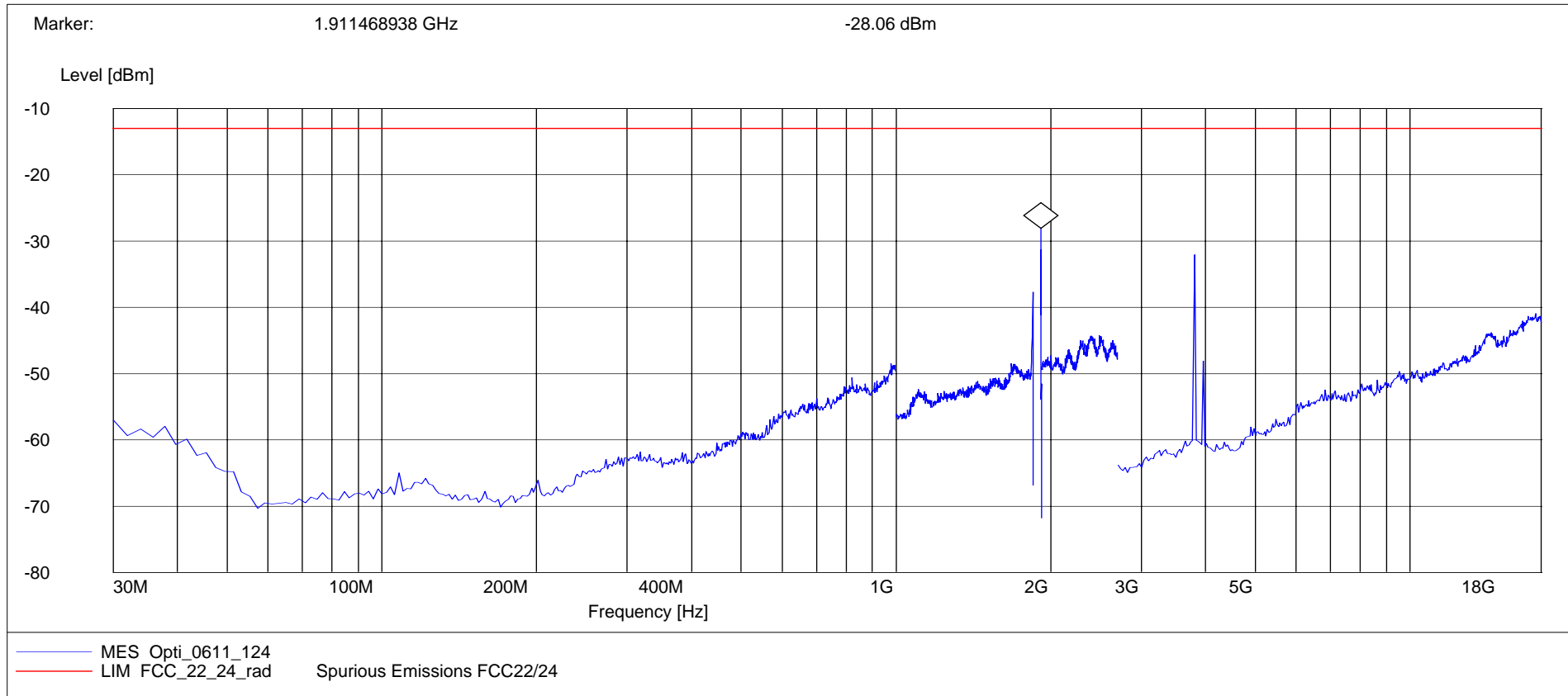


4 Measurement plots

Number of plots: 12

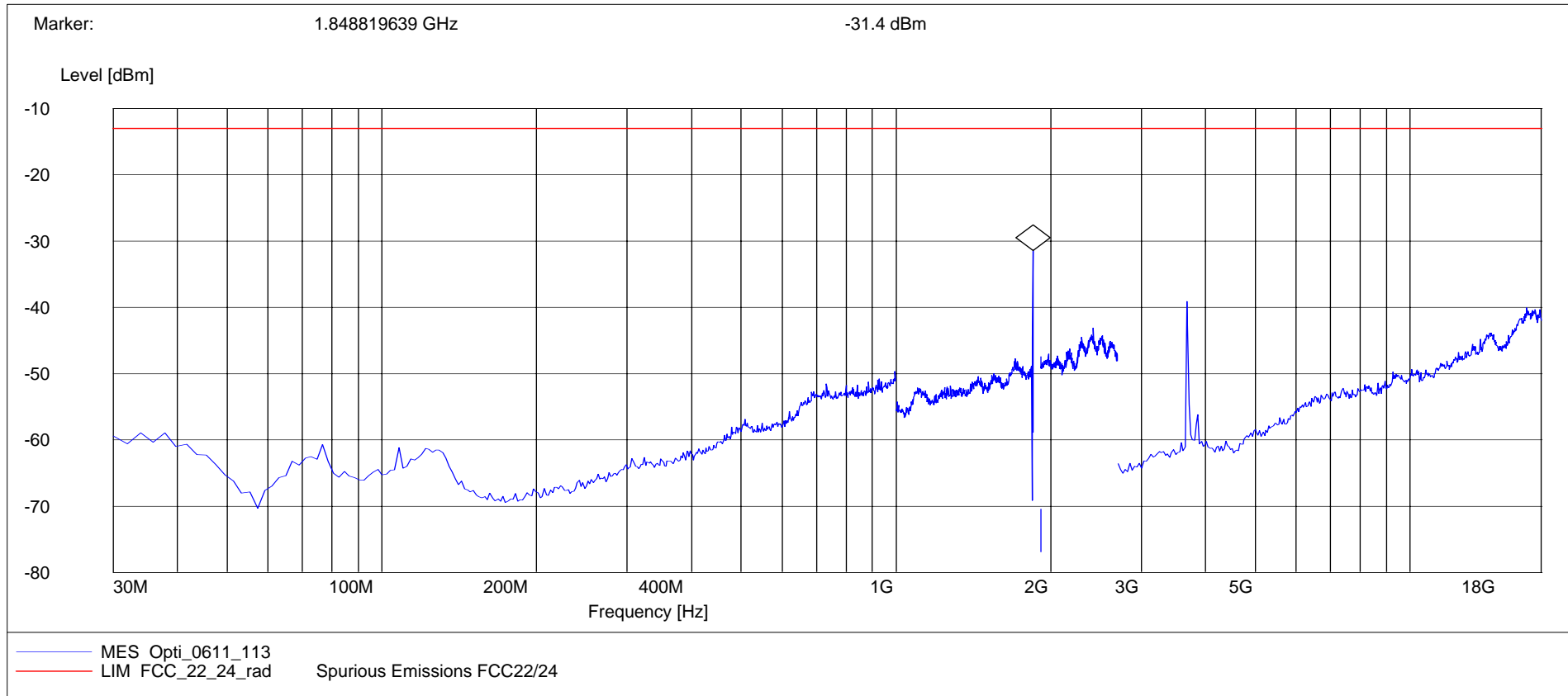
SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-11
Manufacturer: Option
Operating Condition: FDD II TCH 9538, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: kor
Test Specification: FCC 24
Comment: Horizontal antenna polarisation
Horizontal EUT position



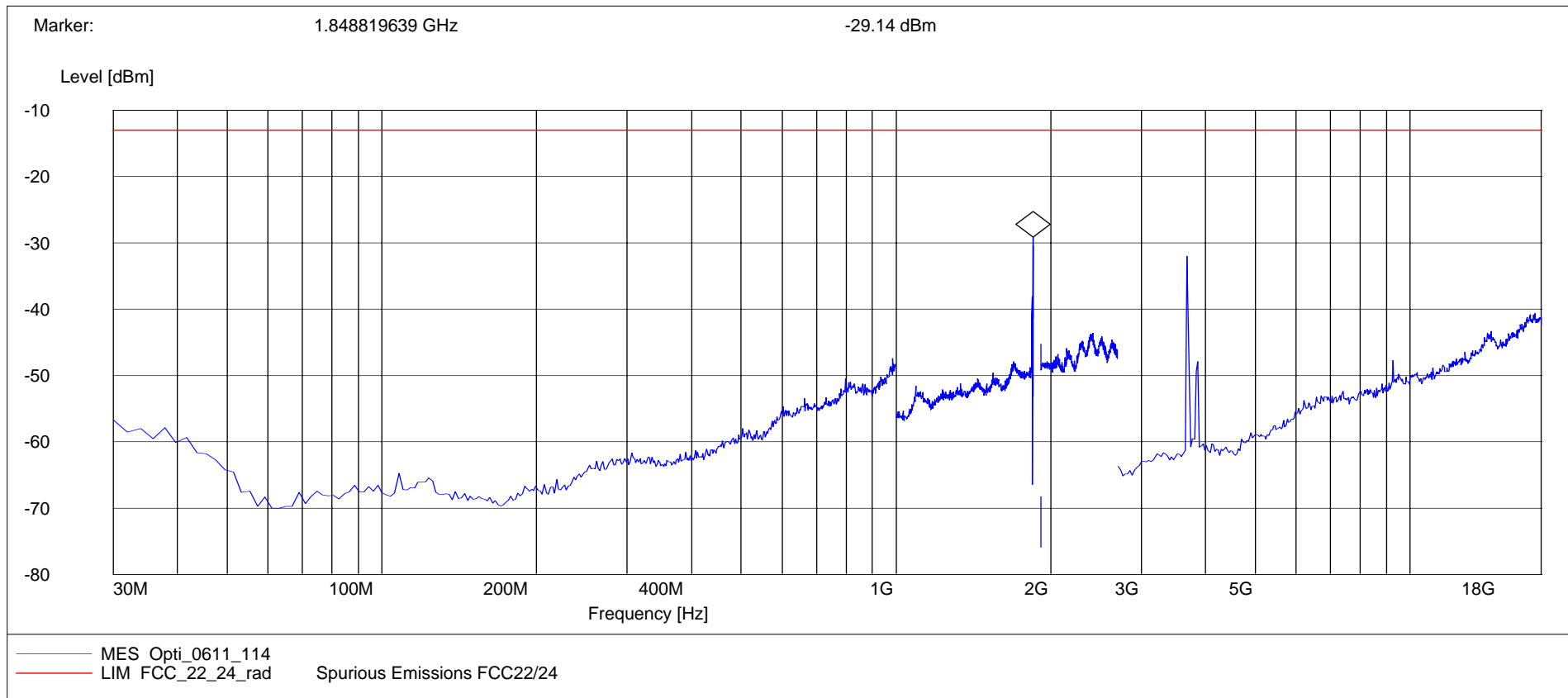
SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9262, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Kor/Pre
Test Specification: FCC 24
Comment: Vertical antenna polarisation
Vertical EUT position



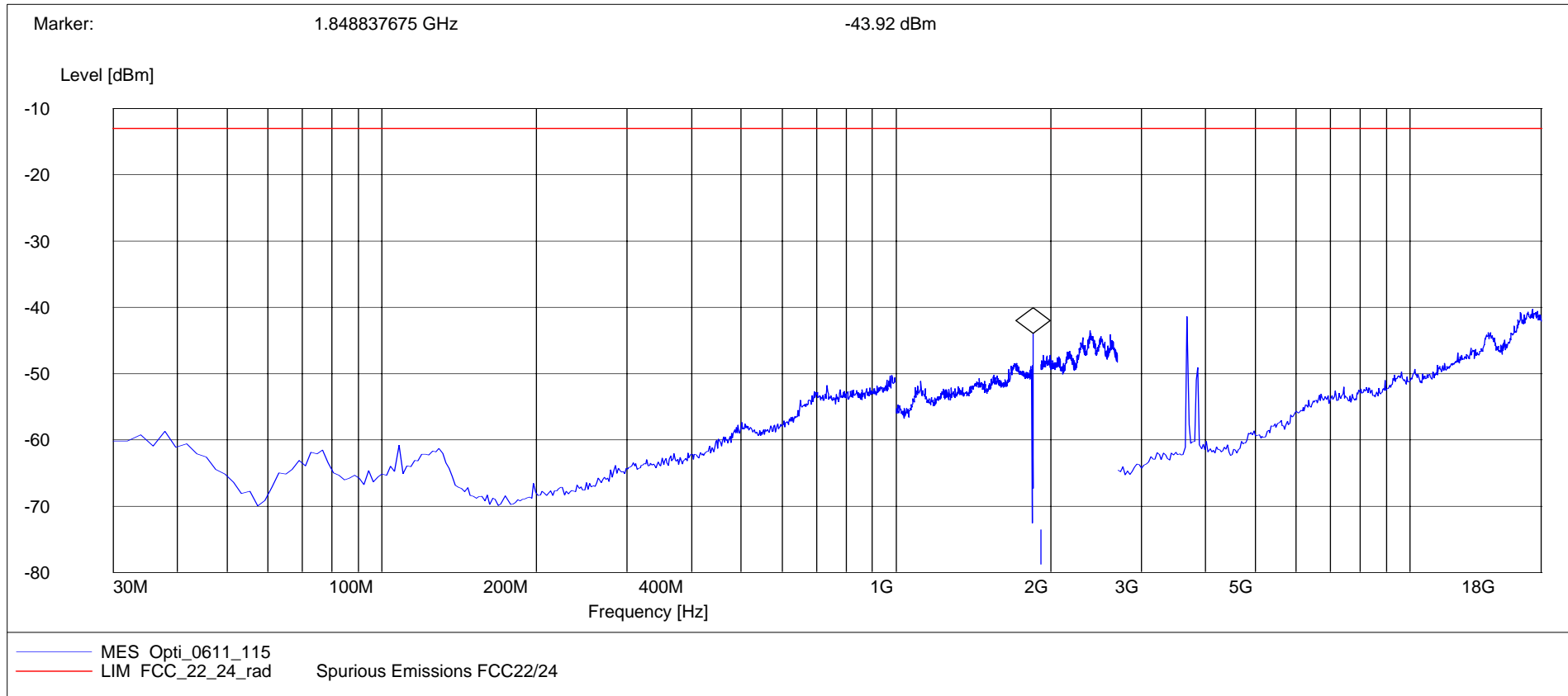
SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9262, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Groe
Test Specification: FCC 24
Comment: Horizontal antenna polarisation
Vertical EUT position



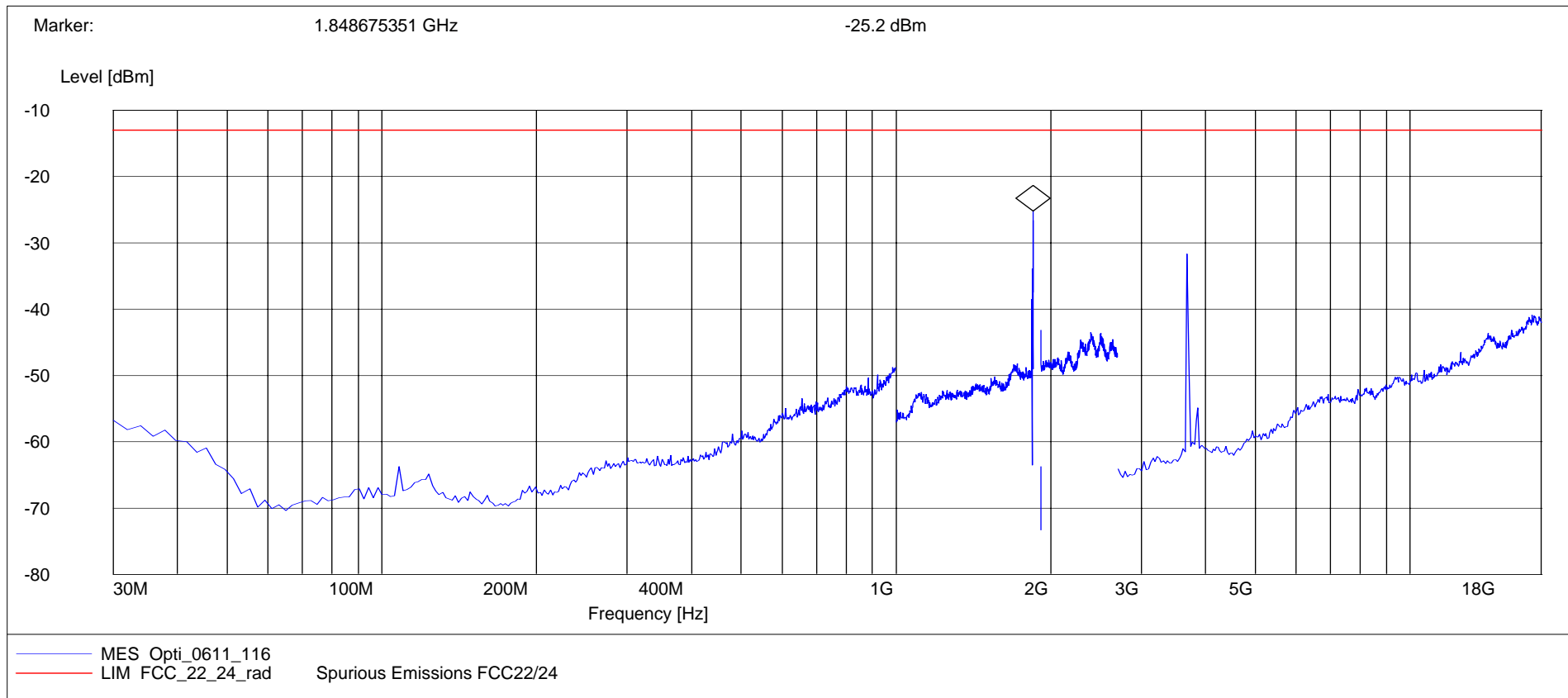
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Test Site: 7Layers, Ratingen
Operator: Groe
Test Specification: FCC 24
Comment: Vertical antenna polarisation
Horizontal EUT position



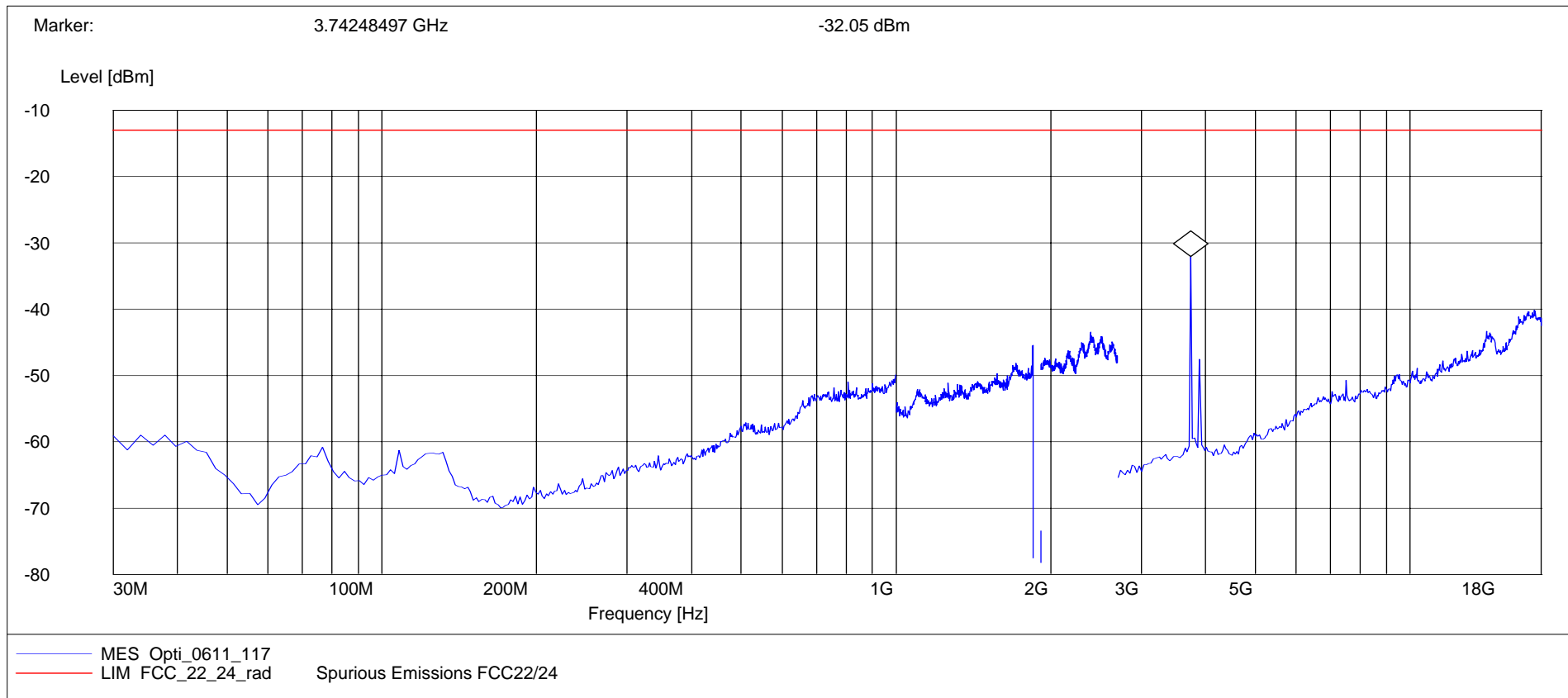
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Operator: Groe
Test Specification: FCC 24
Comment: Horizontal antenna polarisation
Horizontal EUT position



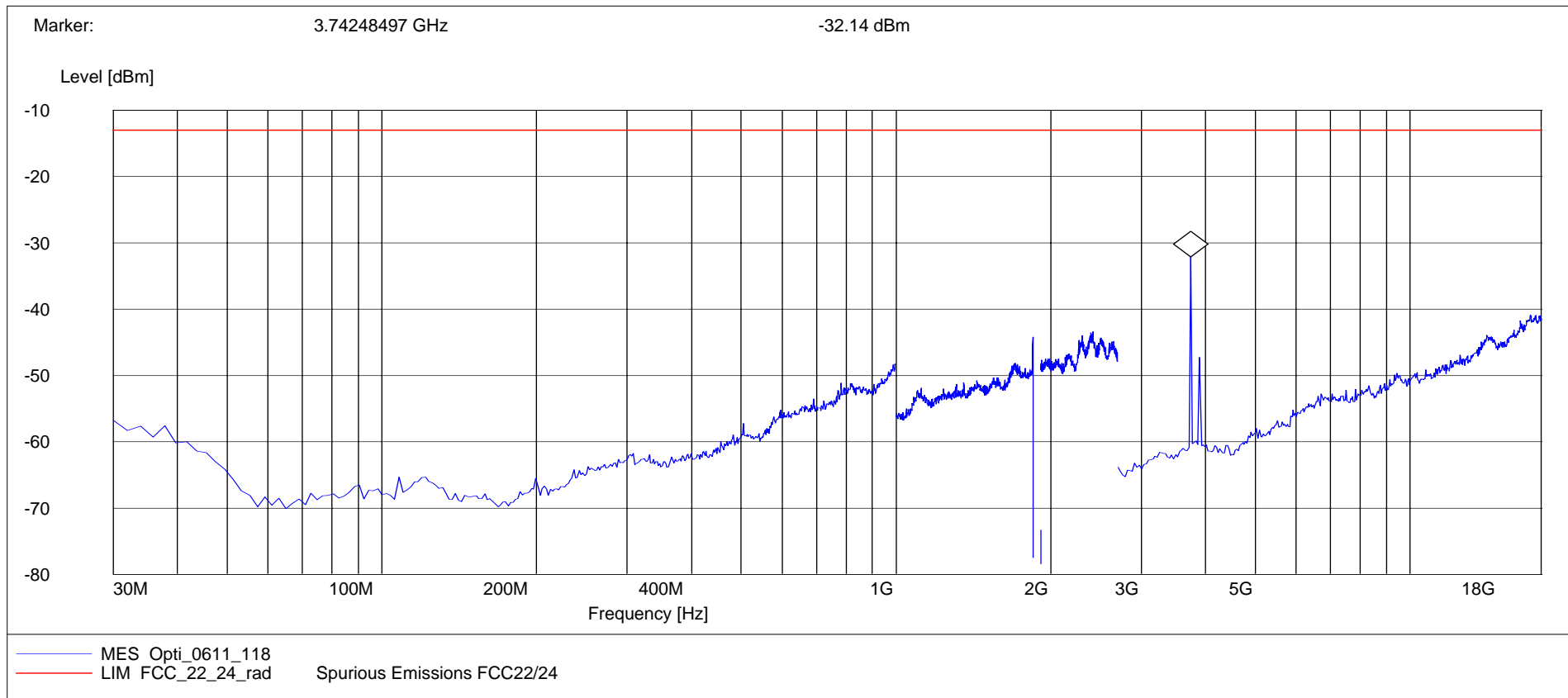
SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9400, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Kor/Pre
Test Specification: FCC 24
Comment: Vertical antenna polarisation
Vertical EUT position



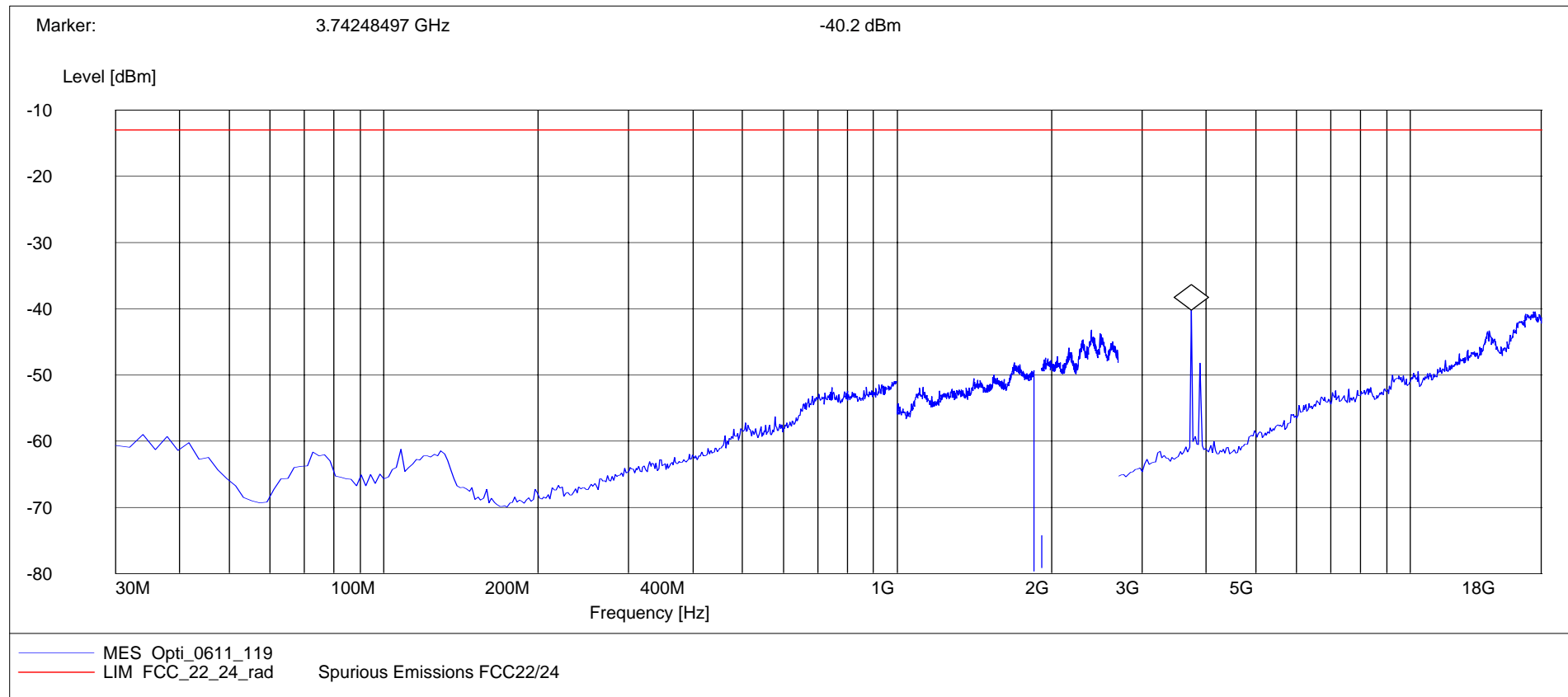
SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9400, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Groe
Test Specification: FCC 24
Comment: Horizontal antenna polarisation
Vertical EUT position



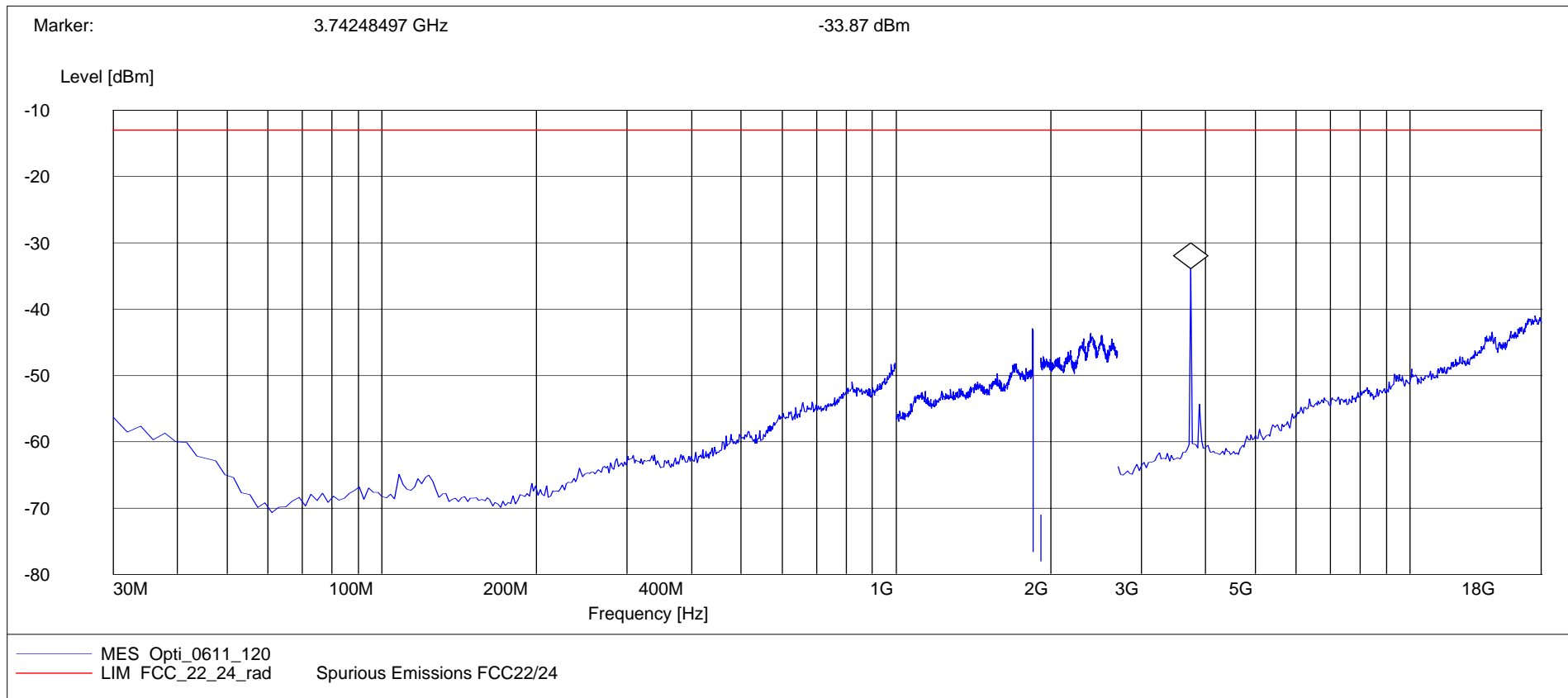
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EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9400, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Groe
Test Specification: FCC 24
Comment: Vertical antenna polarisation
Horizontal EUT position



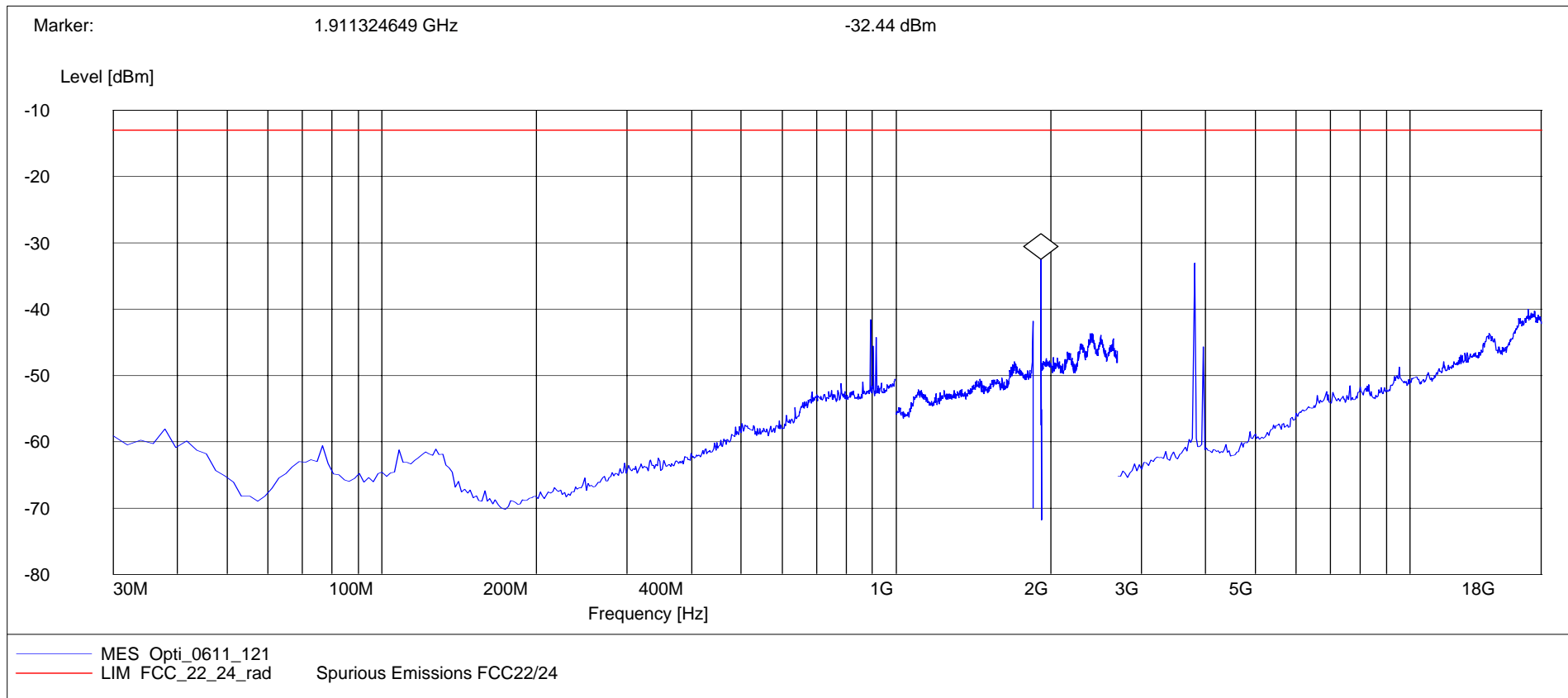
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Comment: Horizontal antenna polarisation
Horizontal EUT position



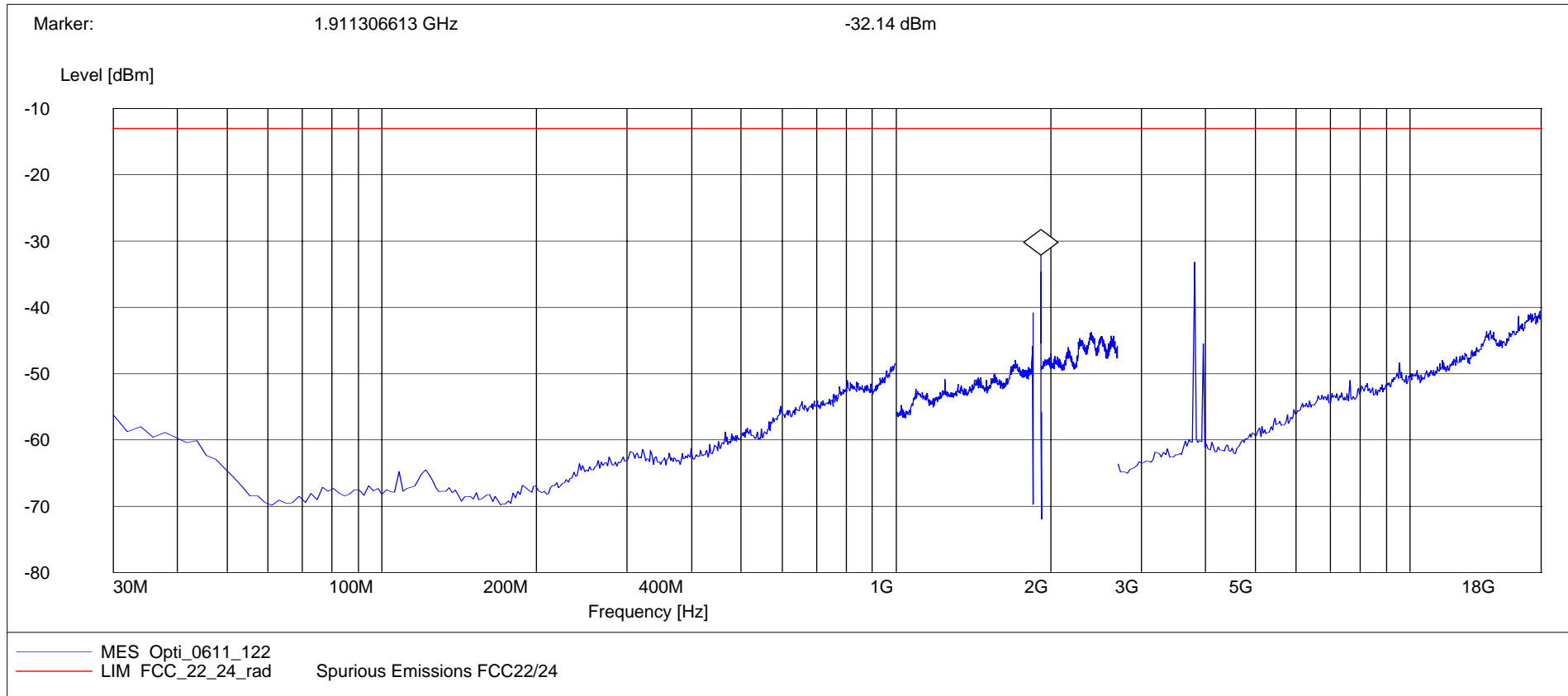
SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9538, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Kor/Pre
Test Specification: FCC 24
Comment: Vertical antenna polarisation
Vertical EUT position



SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
Manufacturer: Option
Operating Condition: FDD II TCH 9538, Radiall + Telsa antenna, Voltage= 3,6V
Test Site: 7Layers, Ratingen
Operator: Groe
Test Specification: FCC 24
Comment: Horizontal antenna polarisation
Vertical EUT position



SPURIOUS EMISSIONS RADIATED

EUT: Mo0202 (37180g07) / 2007-01-10
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Test Specification: FCC 24
Comment: Vertical antenna polarisation
Horizontal EUT position

