



EUROFINS ETS PRODUCT SERVICE GMBH

TEST - REPORT

**FCC RULES PARTS 15.E
IC RADIO STANDARDS RSS-210 Issue 7**

FCC ID: U9A277IWLAN-V100

Model Name: Mobile Panel 277 IWLAN

Test report no.:G0M20706-1478-C-3



Certificate #1983.01



Eurofins ETS Product Service GmbH
Storkower Str. 38c, 15526 Reichenwalde,
Germany

Phone +49-33631-888 0
Fax +49-33631-888 660

TABLE OF CONTENTS

1	General information	2
1.1	Notes	2
1.2	Testing laboratory	3
1.3	Details of approval holder	3
1.4	Application details	4
1.5	Test item	4
1.6	Test standards	5
2	Technical test	5
2.1	Summary of test results	5
2.2	Test environment	5
2.3	Test equipment utilized	7
2.4	General test procedure	8
2.5	Test results	9
3	Transmitter parameters	10
3.1	RF power output conducted	10
3.2	RF power output radiated (EIRP)	12
3.3	26 dB bandwidth, occupied bandwidth	14
3.4	Peak power spectral density	16
3.5	Peak excursion of the Modulation	17
3.6	Undesirable emission radiated	18
3.7	Spurious emission radiated	20
3.8	AC power line conducted emission	25
3.9	Frequency stability	26
4	Receiver parameters	28
4.1	Radiated emission	28
ANNEX		30

1 General information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.

The test report may only be reproduced or published in full.

Reproduction or publication of extracts from the report requires the prior written approval of the EUROFINS ETS PRODUCT SERVICE GMBH.

Operator:

27.10.2008

W. Treffke

Date

Eurofins-Lab.

Name

Signature

Technical responsibility for area of testing:

27.10.2008

J. Zimmermann

Date

Eurofins

Name

Signature

1.2 Testing laboratory

1.2.1 Location

EUROFINS ETS PRODUCT SERVICE GMBH
Storkower Straße 38c
D-15526 Reichenwalde b. Berlin
Germany
Telephone : +49 33631 888 00
Telefax : +49 33631 888 660

1.2.2 Details of accreditation status

DAR ACCREDITED TESTING LABORATORY
DAR-REGISTRATION NUMBER: DAT-P-268/08

RECOGNIZED NOTIFIED BODY EMC
REGISTRATION NUMBER: BNetzA-bS EMV-07/61

RECOGNIZED NOTIFIED BODY R&TTE
REGISTRATION NUMBER: BNetzA-bS-02/51-53

FCC FILED TEST LABORATORY
REG.-No. 96970

A2LA ACCREDITED TESTING LABORATORY
CERTIFICATE No. 1983.01

BLUETOOTH QUALIFICATION TEST FACILITY (BQTF)
ACCREDITED BY BLUETOOTH QUALIFICATION REVIEW BOARD

INDUSTRY CANADA FILED TEST LABORATORY
REG. No. IC 3470

1.3 Details of approval holder

Name	: Siemens AG A&D AS RD ST Type Test
Street	: Werner-von-Siemens-Str. 50
Town	: 92224 Amberg
Country	: Germany
Telephone	: +49 (9621) 80-3033
Fax	: +49 (9621) 80-3033
Contact	: Herr Alois Gresser
E-Mail	: alois.gresser@siemens.com

1.4 Application details

Date of receipt of application : 14.06.2007
Date of receipt of test item : 14.06.2007
Date of test : 15.06.2007 – 29.08.2007; 17.03.2008 – 19.03.2008

1.5 Test item

Description of test item : Mobile Panel
Type identification : Mobile Panel 277 IWLAN
Hardware version : A5E00244080-01
Software version : 01.00.00.00_02.01
Serial number : Test sample without serial number
Photos : See appendix A.

Technical data

Frequency band	: 5150 - 5250 MHz	5250 - 5350 MHz	5470-5725 MHz	5725 – 5825 MHz
Frequency (ch A)	: 5180 MHz	5260 MHz	5500 MHz	5745 MHz
Frequency (ch B)	: 5220 MHz	5280 MHz	5600 MHz	5765 MHz
Frequency (ch C)	: 5240 MHz	5320 MHz	5700 MHz	5802 MHz
Number of channels	: 4	4	11	4
Antenna Type	: 2 x internal $\frac{1}{4}$ wave antenna			
Antenna Gain	: 2 dBi			
Power supply	: 12 V DC			
Operating mode	: duplex			
Type of modulation	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)			

Manufacturer:

(if applicable)

Name : Siemens AG A&D AS RD ST Type Test
Street : Werner-von-Siemens-Str. 50
Town : 92224 Amberg
Country : Germany

1.6 Test standards

Technical standard : FCC Parts: 15E
IC Standards: RSS 210 Issue 7

2 Technical test**2.1 Summary of test results**

No deviations from the technical specification(s) were ascertained in the course of the tests performed.



or

The deviations as specified in 2.5 were ascertained in the course of the tests performed.

**2.2 Test environment**

Temperature : 25 °C
Relative humidity content : 20 ... 75 %
Air pressure : 86 ... 103 kPa

Canada: Applicants info for the User Manual

The user manual of local area network devices shall contain clear instructions on the restrictions mentioned above, namely that:

- (i) the device for the band 5150-5250 MHz is only for indoor usage to reduce potential for harmful interference to co-channel mobile satellite systems;
- (ii) the maximum antenna gain permitted (for devices in the bands 5250-5350 MHz and 5470-5725 MHz) to comply with the e.i.r.p. limit; and
- (iii) the maximum antenna gain permitted (for devices in the band 5725-5825 MHz) to comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate, as stated in section A9.2(3).

In addition, users should also be cautioned to take note that high-power radars are allocated as primary users (meaning they have priority) of the bands 5250-5350 MHz and 5650-5850 MHz and these radars could cause interference and/or damage to LE-LAN devices.

2.3 Test equipment utilized

No.	Test equipment	Type	Manufacturer
ETS 0012	Biconical Antenna	HK 116	R & S
ETS 0013	LPD Antenna	HL 223	R & S
ETS 0014	Log Periodical Antenna	HL 025	R & S
ETS 0015	Log Periodical Antenna	HL 025	R & S
ETS 0018	Horn antenna	BBHA 9120 D	Schwarzbeck
ETS 0253	Spectrum Analyzer	FSIQ 26	R & S
ETS 0271	Spectrum Analyzer	FSEK 30	R & S
ETS 0288	Artificial mains	ESH2-Z5	R & S
ETS 0294	Biconical antenna	HK 116	R & S
ETS 0295	LPD antenna	HL 223	R & S
ETS 0310	Anechoic chamber	AC 3	Frankonia
ETS 0311	Anechoic chamber	AC 4	Frankonia
ETS 0416	Power Supply	EX752M	TTi
ETS 0476	EMI Test Receiver	ESCS 30	R & S
ETS 0484	Radio communication tester	CMU 200	R & S

2.4 General test procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 5.2 using a 50µH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-2003 6.4 using a spectrum analyzer. The resolution bandwidth of the spectrum analyzer was 100 kHz for measurements below 1 GHz and RBW 1 MHz was used above 1 GHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

FORMULA OF CONVERSION FACTORS for Field strength: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBµV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

Freq. (MHz) METER READING + ACF + CABLE LOSS (to the receiver) = FS

20 dBµV + 10.36 dB + 6 dB = 36.36 dBµV/m @3m

ANSI STANDARD C63.4-2003 6.2.1 MEASUREMENT PROCEDURES: The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table). The UUT was placed in the center of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to at least 10th harmonic of the fundamental.

Peak readings were taken in three (3) orthogonal planes and the highest readings.

Measurements were made by Eurofins Product Service GmbH at the registered open field test site located at Storkower Str. 38c, 15526 Reichenwalde, Germany.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

RF Exposure Compliance Requirements

According to FCC OET Bulletin 65 Edition 97-01 Supplement C and RSS-102 §2.5, this spread spectrum transmitter is categorically excluded from routine environmental evaluation because of the low power level, where there is a high likelihood of compliance with RF exposure standards.

The antenna used for this transceiver must not be co-located or operating in conjunction with any other antenna or transmitter.

ANTENNA & GROUND:

This unit uses internal antennas.

2.5 Test results

☒ 1st test

☐ test after modification

☐ production test

SECT.	TEST CASE	FCC 47CFR PART	IC RSS-	Required	Test passed	Test failed
3	<i>TRANSMITTER PARAMETERS</i>					
3.1	RF power output conducted	15.407 (a)	210 A9.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.2	RF power output radiated (EIRP)	15.407 (a)	210 A9.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.3	Emission bandwidth/ occupied bandwidth	15.407 (a)	210 A9.2	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
3.4	Peak power spectral density	15.407 (a)	210 A9.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.5	Peak excursion of the modulation	15.407 (a)(6)	210 A9.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.6	Undesirable emission radiated	15.407(b)(1-3)	210 A9.3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.7	Spurious emission radiated	15.407 (b)(6) 15.209	210 A2.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.8	AC power line conducted emissions	15.207	Gen 7.2.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3.9	Frequency stability	15.407 (g)	210 A2.1 A9.5(5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4	<i>RECEIVER PARAMETERS</i>					
4.1	Radiated emissions	-	Gen 7.2.3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

3. Transmitter parameters

3.1 RF power output, conducted,

Reference

FCC	CFR part 15.407 (a)(1-4)
IC	RSS-210 A8.4

Method of measurement

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

Limits

FCC	<p>5150-5250 MHz $\leq 50 \text{ mW}$ or $4 \text{ dBm} + 10\log B$</p> <p>5250-5350 MHz $\leq 250 \text{ mW}$ or $11 \text{ dBm} + 10\log B$</p> <p>5470-5725 MHz $\leq 250 \text{ mW}$ or $11 \text{ dBm} + 10\log B$</p> <p>5725-5825 MHz $\leq 1 \text{ W}$ or $17 \text{ dBm} + 10\log B$</p> <p>B is the 26-dB emission bandwidth in MHz</p> <p>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement conforming to the above definitions for the emission in question.</p>
IC	<p>5150-5250 MHz \leq Limit from item 3.2 - 6 dbi</p> <p>5250-5350 MHz $\leq 250 \text{ mW}$ or $11 \text{ dBm} + 10\log B$, whichever power is less.</p> <p>5470-5725 MHz $\leq 250 \text{ mW}$ or $11 \text{ dBm} + 10\log B$, whichever power is less.</p> <p>5725-5825 MHz $\leq 1 \text{ W}$ or $17 \text{ dBm} + 10\log B$, whichever power is less.</p> <p>B is the 99% emission bandwidth in MHz.</p>

Test results

Test conditions	Frequency MHz	[mW]
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5180	44.477
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5220	42.700
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5240	36.832
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5260	40.782
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5280	41.400
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5320	41.936
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5500	39.135
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5600	30.792
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5700	34.123
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5745	41.313
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5765	42.600
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5805	45.604
Measurement uncertainty	< 3 dB	

Test equipment: ETS 0253, ETS 0271

3.2 RF power output, radiated,

Reference

FCC	CFR part 15.407 (a)(3)
IC	RSS-210 A8.4

Method of measurement

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

The power was measured with modulation (declared by the applicant).

Limits

FCC	<p>5150-5250 MHz \leq Limit from item 3.1 + 6 dBi</p> <p>5250-5350 MHz \leq Limit from item 3.1 + 6 dBi</p> <p>5470-5725 MHz \leq Limit from item 3.1 + 6 dBi</p> <p>5725-5825 MHz \leq Limit from item 3.1 + 6 dBi</p> <p>If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. If the measured transmit power is already below the limit a reduction may not be necessary</p>
IC	<p>5150-5250 MHz \leq 200 mW or $10 + 10 \log_{10} B$, whichever power is less.</p> <p>5250-5350 MHz \leq 1.0 W or $17 + 10 \log_{10} B$, whichever power is less.</p> <p>In addition to the above requirements, devices operating in the band 5250-5350 MHz with maximum e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. elevation mask where θ is the angle above the local horizontal plane (of the earth) as shown below:</p> <ul style="list-style-type: none"> (i) -13 dB(W/MHz) for $0^\circ \leq \theta < 8^\circ$ (ii) $-13 - 0.716 (\theta - 8)$ dB(W/MHz) for $8^\circ \leq \theta < 40^\circ$ (iii) $-35.9 - 1.22 (\theta - 40)$ dB(W/MHz) for $40^\circ \leq \theta \leq 45^\circ$ (iv) -42 dB(W/MHz) for $\theta > 45^\circ$ <p>5470-5725 MHz \leq 1.0 W or $17 + 10 \log_{10} B$, whichever power is less.</p> <p>5250-5350 MHz \leq 4.0 W or $23 + 10 \log_{10} B$, whichever power is less.</p> <p>Fixed point-to-point systems for this band are permitted to have an e.i.r.p. greater than 4 W, provided that the higher e.i.r.p. is achieved by employing higher gain antennas, but not higher transmitter output powers. Point-to-multipoint systems, omni-directional applications and multiple co-located transmitters transmitting the same information are prohibited from exceeding 4 W e.i.r.p. However, remote stations of point-to-multipoint systems shall be permitted to operate at greater than 4 W e.i.r.p., under the same conditions as for point-to-point systems.</p>

Test Results

Test conditions	Frequency	EIRP [dBm]
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	--	--
Measurement uncertainty	< 3 dB	

Comment: not required.

Test equipment: --

3.3 26 dB Bandwidth / occupied bandwidth (99%)

Reference

FCC	CFR part 15.407 (a)
IC	RSS-210 A9.2

Method of measurement

Spectrum analyser:

RBW: 100 kHz

Span: > RBW

Limits

FCC	Emission bandwidth: For purpose of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency., That are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emission bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement.
IC	99% Occupied Bandwidth Measurement No restriction limits. But resolution bandwidth within band edge measurement is 1% of the 99 % occupied bandwidth.

Test results 26 dB Bandwidth

Test conditions	Frequency (MHz)	[MHz]
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5180	38.940
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5220	38.540
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5240	31.152
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5260	34.422
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5280	32.140
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5320	30.480
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5500	29.518
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5600	28.941
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5700	25.865
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5745	26.345
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5765	24.660
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5805	26.538
Measurement uncertainty	< 3 dB	

Test results occupied Bandwidth 99%

Test conditions	Frequency (MHz)	(MHz)
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5180	25.00
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5220	20.14
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5240	20.03
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5260	19.71
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5280	19.82
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5320	18.91
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5500	19.55
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5600	19.39
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5700	19.07
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5745	18.58
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5765	18.47
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5805	18.58
Measurement uncertainty	< 3 dB	

See attached diagrams.

System receiver input bandwidth:

The manufacturer declares that the receiver input bandwidth matches to the bandwidth of the transmitter signal.

Test equipment: ETS 0271

Test Report No.: G0M20706-1478-C-3

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

3.4 Peak power spectral density

Reference

FCC	CFR part 15.407 (a)
IC	RSS-210 A9.2

Method of measurement

The same method of determine the conducted output power shall be used to determine the power spectral density. The ratio of peak modulation envelope excursion to peak transmit power meet the 13 dB/MHz limit. The comparison between the two measured levels is made within the same 1 MHz segment.

Limits

FCC	5150-5250 MHz ≤ 4 dBm in any 1 MHz band 5250-5350 MHz ≤ 11 dBm in any 1 MHz band 5470-5725 MHz ≤ 11 dBm in any 1 MHz band 5725-5825 MHz ≤ 17 dBm in any 1 MHz band
IC	5150-5250 MHz ≤ 10 dBm EIRP in any 1 MHz band 5250-5350 MHz ≤ 11 dBm in any 1 MHz band 5470-5725 MHz ≤ 11 dBm in any 1 MHz band 5725-5825 MHz ≤ 17 dBm in any 1 MHz band

Test results

Test conditions	Frequency MHz	[dBm]
T _{nom} = 25°C; V _{nom} = 12 V	5180	3.94
T _{nom} = 25°C; V _{nom} = 12 V	5220	3.53
T _{nom} = 25°C; V _{nom} = 12 V	5240	3.25
T _{nom} = 25°C; V _{nom} = 12 V	5260	4.22
T _{nom} = 25°C; V _{nom} = 12 V	5280	4.12
T _{nom} = 25°C; V _{nom} = 12 V	5320	4.04
T _{nom} = 25°C; V _{nom} = 12 V	5500	3.20
T _{nom} = 25°C; V _{nom} = 12 V	5600	3.03
T _{nom} = 25°C; V _{nom} = 12 V	5700	0.38
T _{nom} = 25°C; V _{nom} = 12 V	5745	0.41
T _{nom} = 25°C; V _{nom} = 12 V	5765	3.95
T _{nom} = 25°C; V _{nom} = 12 V	5805	-0.37
Measurement uncertainty	< 3 dB	

See attached diagrams.

Test equipment: ETS 0271

Test Report No.: G0M20706-1478-C-3

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

3.5 Peak Excursion of the Modulation

Reference

FCC	CFR part 15.407 (a)(6)
IC	RSS-210 A9.2

Method of measurement

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the maximum conducted output power (measured as specific above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

Test results

Test conditions	Frequency MHz	[dB]
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5180	10.94
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5220	10.80
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5240	11.39
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5260	11.31
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5280	10.86
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5320	11.48
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5500	11.26
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5600	11.14
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5700	11.09
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5765	11.34
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5745	11.16
$T_{nom} = 25^{\circ}\text{C}; V_{nom} = 12\text{ V}$	5805	11.12
Measurement uncertainty	< 3 dB	

See attached diagrams.

Test equipment: ETS 0271

3.6 Undesirable emission radiated

Reference

FCC	CFR part 15.407(b) (1-4)
IC	RSS-210 A9.3

Method of measurement

The EUT is connected to the spectrum analyzer via a low loss cable.

The analyzer setting was as following:

Frequency range	RES bandwidth		Video bandwidth	
	Pk	Avg	Pk	Avg
		-		-
40 > f > 1GHz	1 MHz	1 MHz	> 1 MHz	> 1 MHz

Undesirable emission limits: Except as shown in paragraph 15.407(b)(6), the peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits. These limits are on the Effective Isotropic Radiated Transmit Power. The same measurement settings used to measure the transmit power of the fundamental emission may be used here. Within the passband of the antenna an RF conducted measurement may be made. This level, added to the stated antenna gain for each proposed antenna, must comply with the limit.

The ratio of peak modulation envelope excursion to peak transmit power meet the 13 dB/MHz limit. The comparison between the two measured levels is made within the same 1 MHz segment..

Limits

FCC	5150-5250 MHz	an EIRP \leq -27 dBm/MHz band
	5250-5350 MHz	an EIRP \leq -27 dBm/MHz band
	5470-5725 MHz	an EIRP \leq -27 dBm/MHz band
	5725-5825 MHz	an EIRP \leq -17 dBm/MHz band from band edge to 10 MHz above or below the band edge
		an EIRP \leq -27 dBm/MHz band for all other out of band emissions
IC	5150-5250 MHz	an EIRP \leq -27 dBm/MHz band
	5250-5350 MHz	an EIRP \leq -27 dBm/MHz band
	5470-5725 MHz	an EIRP \leq -27 dBm/MHz band
	5725-5825 MHz	an EIRP \leq -17 dBm/MHz band from band edge to 10 MHz above or below the band edge
		an EIRP \leq -27 dBm/MHz band for all other out of band emissions

Test results

Transmitter operates				
Frequency	Result [dBm]	Limit [dBm]	Margin [dB]	Reference level [dBm]
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

Test equipment: --

3.7 Spurious emission radiated

Reference

FCC	CFR part 15.407(b)(5), 15.205, 15.209, 15.35
IC	RSS-210 A8.5

Method of measurement

Spurious emission was measured with modulation (declared by manufacturer).

According to 47 CFR 15, Part 15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Sample Calculation of Limit:

All results are updated by an automatic measuring system in accordance to point 2.3

Calculation of test results:

Such factors like antenna correction, cable loss, external attenuation etc. are already included in the provided measurement results.

The peak and average spurious emission plots was measured with the average limits.

In the Table being listed the critical peak and average value an exhibit the compliance with the above calculated Limits.

If in the column's correction factor states a value then the max. Field strength in the same row is corrected by a value gained from the "Marker-Delta-Method" or the „Duty-Cycle Correction Factor“.

15.35 (c) average value

When the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.

Duty cycle correction = $20 \log (\text{dwell time} / \text{pulse-train time of 100 ms or less})$

The radiated emission measurements were performed from 30 MHz to 40 GHz.

The analyzer setting was as following:

Frequency range	RES bandwidth		Video bandwidth	
	Pk	Avg	Pk	Avg
$f < 1\text{GHz}$	100 kHz	-	100 kHz	-
$f > 1\text{GHz}$	1 MHz	1 MHz	1 MHz	1MHz

Limits

FCC	20 dB below peak output power, emissions which fall in the restricted bands (15.205(a)) must comply the following limits:		
	Frequencies below 1GHz:		
	Frequency of emission	Field strength	Field strength
	[MHz]	[$\mu\text{V} / \text{m}$]	[$\text{dB}\mu\text{V} / \text{m}$]
	30 – 88	100	40.0
	88 – 216	150	43.5
IC	216 – 960	200	46.0
	Above 960	500	54.0
	For frequencies above 1 GHz (Avg measurements): 54.0 $\text{dB}\mu\text{V} / \text{m}$		
	For frequencies above 1 GHz (Pk measurements):		
	Limit + 20 dB = 54.0 $\text{dB}\mu\text{V} / \text{m}$ + 20 dB = 74 $\text{dB}\mu\text{V} / \text{m}$		
	20 dB below peak output power, emissions which fall in the restricted bands of table 1 (RSS-210 §2.7) must also comply with limits specified in tables 2 and 3		

Test results

Summary table with radiated data of the test plots Antenna 1

Freq.	Used Ch.	Frequency Marker [GHz]	Polarization	Δ corrections dB	Max. Field Strength [dB μ V/m]	Compliance Limit [dB μ V/m]	Detector	BW [MHz]	Margin [dB]
4	5180	4.938	V		53.16	74	P	1	-20.84
4	5180	4.938	H		50.70	74	P	1	-23.30
4	5220	7.443	V		52.23	74	P	1	-21.77
4	5220	7.443	H		46.07	74	P	1	-27.93
1	5240	0.130	V		42,74	74	P	0.1	-31.26
1	5240	0.130	H		39.73	74	P	0.1	-34.27
2	5240	0.961	V		43.29	74	P	0.1	-30.71
2	5240	0.233	H		39.17	74	P	0.1	-34.83
3	5240	2.401	V		52.48	74	P	1	--21.52
3	5240	2.401	H		52.57	74	P	1	-21.43
4	5280	4.802	V		51.65	74	P	1	-22.35
4	5280	7.448	H		48.51	74	P	1	-25.49
1	5320	0.130	V		42.69	74	P	0.1	-31.31
1	5320	0.107	H		40.12	74	P	0.1	-33.88
2	5320	0.961	V		43.29	74	P	0.1	-20.71
2	5320	0.233	H		39.24	74	P	0.1	--34.76
3	5320	2.401	V		51.67	74	P	1	-22.33
3	5320	2.401	H		50.68	74	P	1	-23.32
4	5320	4.942	V		52.94	74	P	1	-21.06
4	5500	4.938	V		47.28	74	P	1	-26.72
4	5500	4.938	H		46.62	74	P	1	-27.38
1	5600	0.130	V		42.89	74	P	0.1	-31.11
1	5600	0.130	H		39.70	74	P	0.1	-34.30
2	5600	0.961	V		43.26	74	P	0.1	-30.74
2	5600	0.233	H		39.14	74	P	0.1	-34.86
3	5600	2.401	V		48.83	74	P	1	-25.17
3	5600	2.401	H		48.24	74	P	1	-25.76
4	5600	5.594	V		62.02	74	P	1	-11.98
4	5600	5.594	H		66.23	74	P	1	-7.77
1	5745	0.130	V		42.66	74	P	0.1	-21.34
1	5745	0.130	H		40.95	74	P	0.1	-33.05

Test Report No.: G0M20706-1478-C-3

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Freq.	Used Ch.	Frequency Marker [GHz]	Polarization	Δ corrections dB	Max. Field Strength [dB μ V/m]	Compliance Limit [dB μ V/m]	Detector	BW [MHz]	Margin [dB]
2	5745	0.961	V		43.25	74	P	0.1	-30.75
2	5745	0.233	H		39.38	74	P	0.1	-34.02
3	5745	2.401	V		49.19	74	P	1	-24.81
3	5745	2.401	H		50.11	74	P	1	-23.89
4	5745	4.961	V		48.75	74	P	1	-25.25
4	5745	4.961	H		46.78	74	P	1	-27.22
4	5765	4.802	V		51.29	74	P	1	-22.71
4	5765	4.802	H		49.21	74	P	1	-24.79
4	5805	4.961	V		53.02	74	P	1	-20.98
4	5805	4.864	H		48.65	74	P	1	-25.35

Summary table with radiated data of the test plots Antenna 2

Freq.	Used Ch.	Frequency Marker [GHz]	Polarization	Δ corrections dB	Max. Field Strength [dB μ V/m]	Compliance Limit [dB μ V/m]	Detector	BW [MHz]	Margin [dB]
4	5180	4.961	V		53.62	74	P	1	-20.38
4	5180	4.940	H		50.96	74	P	1	-23.04
4	5220	4.802	V		52.30	74	P	1	-21.70
4	5220	4.802	H		48.35	74	P	1	-25.65
4	5240	5.250	V		55.34	74	P	1	-18.66
4	5240	5.250	H		67.27	74	P	1	-6.73
4	5260	5.242	V		54.25	74	P	1	-19.75
4	5260	5.242	H		64.50	74	P	1	-9.50
4	5280	4.802	V		50.88	74	P	1	-23.12
4	5280	4.802	H		45.87	74	P	1	-28.13
4	5320	4.944	V		48.33	74	P	1	-25.67
4	5320	4.962	H		49.56	74	P	1	-24.44
4	5500	4.942	V		47.11	74	P	1	-26.89
4	5500	4.942	H		45.55	74	P	1	-28.45
4	5600	5.589	V		61.49	74	P	1	-12.51
4	5600	5.594	H		66.89	74	P	1	-7.11
4	5700	4.938	V		52.52	74	P	1	-21.48
4	5700	4.938	H		45.59	74	P	1	-28.41
4	5745	6.989	V		46.42	74	P	1	-27.58

Test Report No.: G0M20706-1478-C-3

Freq.	Used Ch.	Frequency Marker [GHz]	Polarization	Δ corrections dB	Max. Field Strength [dB μ V/m]	Compliance Limit [dB μ V/m]	Detector	BW [MHz]	Margin [dB]
4	5745	7.948	H		45.72	74	P	1	-28.28
4	5765	4.843	V		47.22	74	P	1	-26.78
4	5765	4.843	H		46.31	74	P	1	-27.69
4	5805	4.961	V		46.41	74	P	1	-27.59
4	5805	4.864	H		49.96	74	P	1	-24.04

See attached diagrams

Freq. – Frequency Range:

1:	30	–	200 MHz
2:	200	–	1000 MHz
3:	1	–	4 GHz
4:	4	–	8 GHz
5:	8	–	12 GHz
6:	12	–	17 GHz
7:	17	–	40 GHz

All other not noted test plots do not contain significant test results in relation to the limits.

Test equipment: ETS 0012, ETS 0013, ETS 0015, ETS 0018, ETS 0271, ETS 0253, ETS 0311

3.8 AC power line conducted emissions

Reference

FCC	CFR part 15.207
IC	RSS-Gen 7.2.2

Method of measurement

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits. Compliance with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

Limits

FCC & IC	Frequency of emission	Conducted limit field strength [dB μ V]	
	[MHz]	Quasi Peak	Avg
	0.15 - 0.5	66 to 56	56 - 46
	0.5 - 5	56	46
	5 - 30	60	50

Test results

Frequency	Level	
	Quasi-peak	Average
150 kHz	Lower limit line	Lower limit line

See attached diagrams.

Test equipment: ETS 0288, ETS 0474

3.9 Frequency Stability

Reference

FCC	<p>CFR part 15.407(b)(5)</p> <p>Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.</p>
IC	<p>RSS-210 I7 A2.1</p> <p>The applicant shall ensure frequency stability by showing that an emission is maintained within the band of operation under all normal operating conditions as specified in the user's manual.</p> <p>When the carrier frequency stability is not specified, it need not be tested, provided that the carrier frequency is chosen such that the fundamental modulation products (meaning the nominal bandwidth) lie totally within the bands listed in Tables 2 and do not fall into any restricted band listed in Table 1. Due account shall be taken of carrier frequency drift as a result of aging, temperature, humidity, and supply voltage variations when using frequencies near the band edges.</p>

Limits:	UNII lower band	$5150 \text{ MHz} \leq f \leq 5250 \text{ MHz}$
	UNII middle band	$5250 \text{ MHz} \leq f \leq 5350 \text{ MHz}$
		$5470 \text{ MHz} \leq f \leq 5725 \text{ MHz}$
	UNII Upper band	$5725 \text{ MHz} \leq f \leq 5825 \text{ MHz}$

Test results:

Technical characteristics		5180 MHz	5220 MHz	5240 MHz
25 °C	V_{\min}	5179.956	5219.956	5239.956
	V_{\max}	5179.957	5219.956	5239.958
0 °C	V_{nom}	5179.963	5219.964	5239.965
10 °C	V_{nom}	5179.952	5219.954	5239.961
20 °C	V_{nom}	5179.954	5219.955	5239.953
30 °C	V_{nom}	5179.975	5219.975	5239.976
40 °C	V_{nom}	5179.987	5219.986	5239.987
45 °C	V_{nom}	5180.002	5220.002	5424.000

Technical characteristics		5260 MHz	5280 MHz	5320 MHz
25°C	V_{\min}	5319.957	5279.957	5699.954
	V_{\max}	5319.958	5279.956	5699.954
0°C	V_{nom}	5319.963	5279.964	5699.956
10°C	V_{nom}	5319.961	5279.958	5699.957
20°C	V_{nom}	5319.953	5279.957	5699.949
30°C	V_{nom}	5319.974	5279.976	5699.973
40°C	V_{nom}	5319.988	5279.987	5699.988
45°C	V_{nom}	5320.000	5280.001	5700.001

Technical characteristics		5500 MHz	5600 MHz	5700 MHz
25°C	V_{\min}	5500 MHz	5599.955	5699.954
	V_{\max}	5499.957	5599.956	5699.954
0°C	V_{nom}	5499.957	5599.961	5699.956
10°C	V_{nom}	5499.961	5599.957	5699.957
20°C	V_{nom}	5499.959	5599.950	5699.949
30°C	V_{nom}	5499.951	5599.974	5699.973
40°C	V_{nom}	5499.974	5599.988	5699.988
45°C	V_{nom}	5499.989	5600.000	5700.001

Technical characteristics		5745 MHz	5765 MHz	5805 MHz
25°C	V_{\min}	5744.953	5764.958	5804.951
	V_{\max}	5744.954	5764.957	5804.953
0°C	V_{nom}	5744.956	5764.985	5804.959
10°C	V_{nom}	5744.957	5764.955	5804.953
20°C	V_{nom}	5744.948	5764.957	5804.948
30°C	V_{nom}	5744.973	5764.976	5804.973
40°C	V_{nom}	5744.985	5764.987	5804.987
45°C	V_{nom}	5744.999	5765.002	5804.999

See attached diagrams

Test equipment: ETS 0288, ETS 0474

4 Receiver parameters

4.1 Radiated emissions

Reference

FCC	-
IC	RSS-Gen 7.2.3

Method of measurement

The compliance of the EUT Receiver with the Limits of spurious emissions was performed according to the radiated measurement method.

The spectrum analyser RBW was set to 100 kHz for measurements below 100 kHz and 1.0 MHz above 1.0 GHz. The measurement results are evaluated according to the procedure described in section 2.5 of this test report.

Limits

	Spurious frequency MHz	Field strength microvolt/m at 3 metre
IC	30 – 88	100
	88 – 216	150
	216 – 960	200
	above 960	500

Test Results

	Frequency marker indication [MHz]	Antenna polarization	Worst case emission level [$\mu\text{V/m}$]	Compliance limit [$\mu\text{V/m}$]	Margin
5500 MHz	130,160	V	130,02	150	<u>-19,98</u>
	130,160	H	97,72	150	<u>-52,28</u>
	961,523	V	169,82	500	<u>-330,18</u>
	546,293	H	179,06	200	<u>-20,94</u>
	2401,000	V	317,69	500	<u>-182,31</u>
	2401,000	H	275,74	500	<u>-224,26</u>
	6838,000	V	205,83	500	<u>-294,17</u>
	6918,000	H	195,21	500	<u>-304,79</u>
	11543,000	V	103,28	500	<u>-396,72</u>
	11407,000	H	100,69	500	<u>-399,31</u>
	14044,000	V	118,99	500	<u>-381,01</u>
	14515,000	H	139,96	500	<u>-360,04</u>
	24596,000	V	353,18	500	<u>-146,82</u>
	24577,000	H	369,40	500	<u>-130,60</u>

See attached diagrams

Test equipment: ETS 0014, ETS 0294, ETS 0295, ETS 0310, ETS 0416, ETS 0484

Annex

- A Pictures
- B RF power output conducted
- C Emission bandwidth / Occupied bandwidth
- D Peak power spectral density
- E Peak Excursion of the modulation
- F Spurious emission radiated
- G AC power line conducted emissions
- H Receiver radiated emissions

Annex A

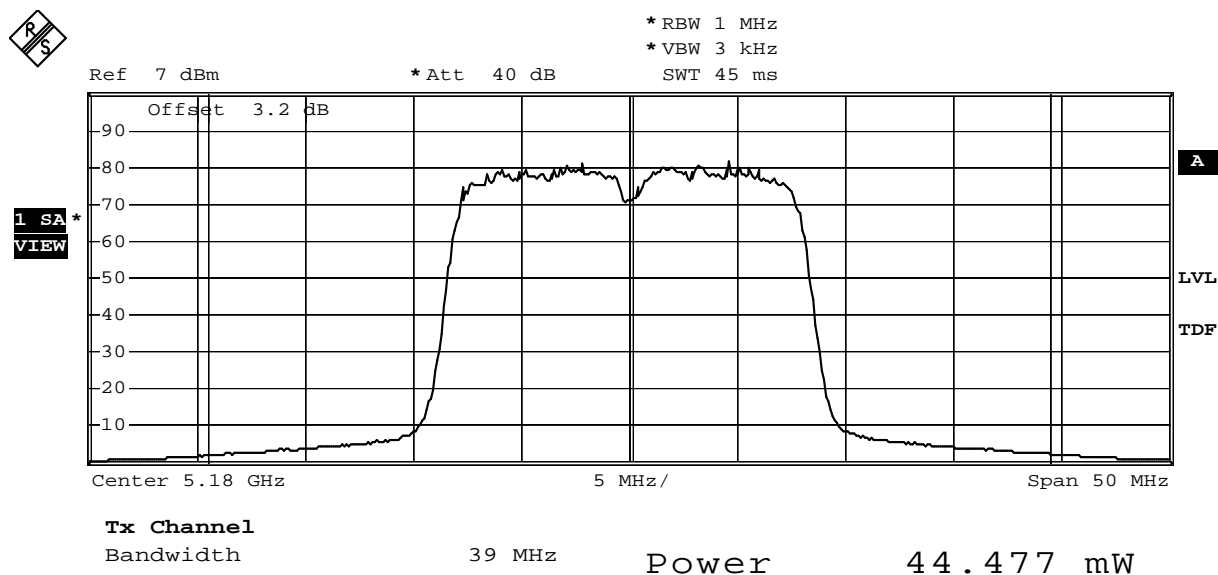
Pictures

Annex B

RF power output conducted

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5180 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 09:06:59

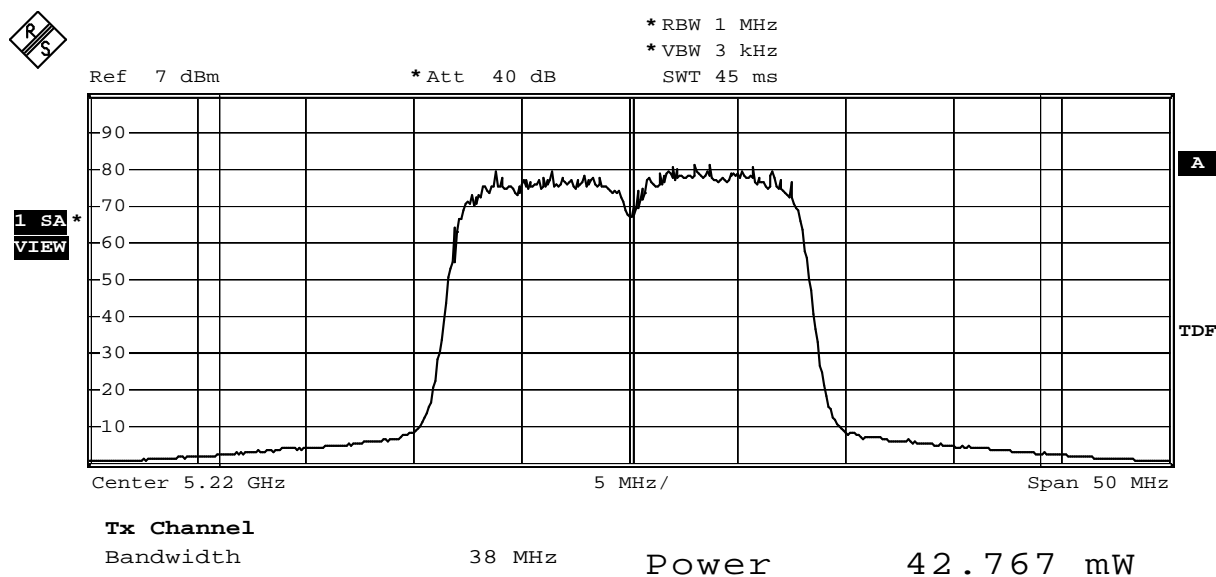
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4) Maximum Conducted Output Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Maximum Conducted Output Power (Method #3)
Comment 2	Channel frequency: 5220 MHz
Comment 3	OFDM / 24 Mbit/s



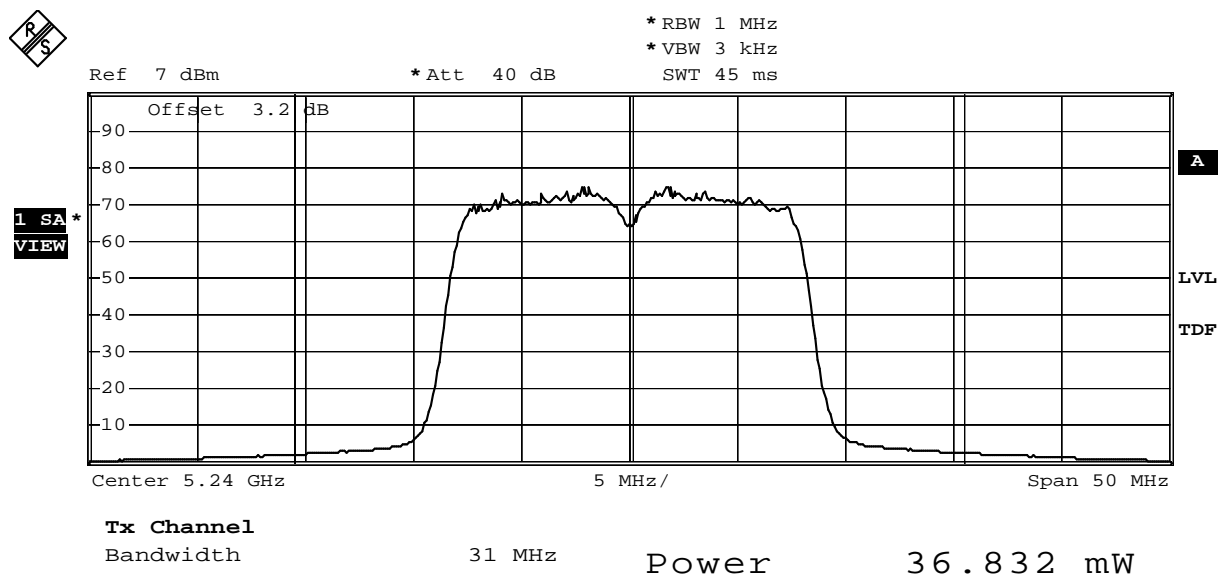
Date: 17.MAR.2008 09:37:22

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5240 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 09:17:35

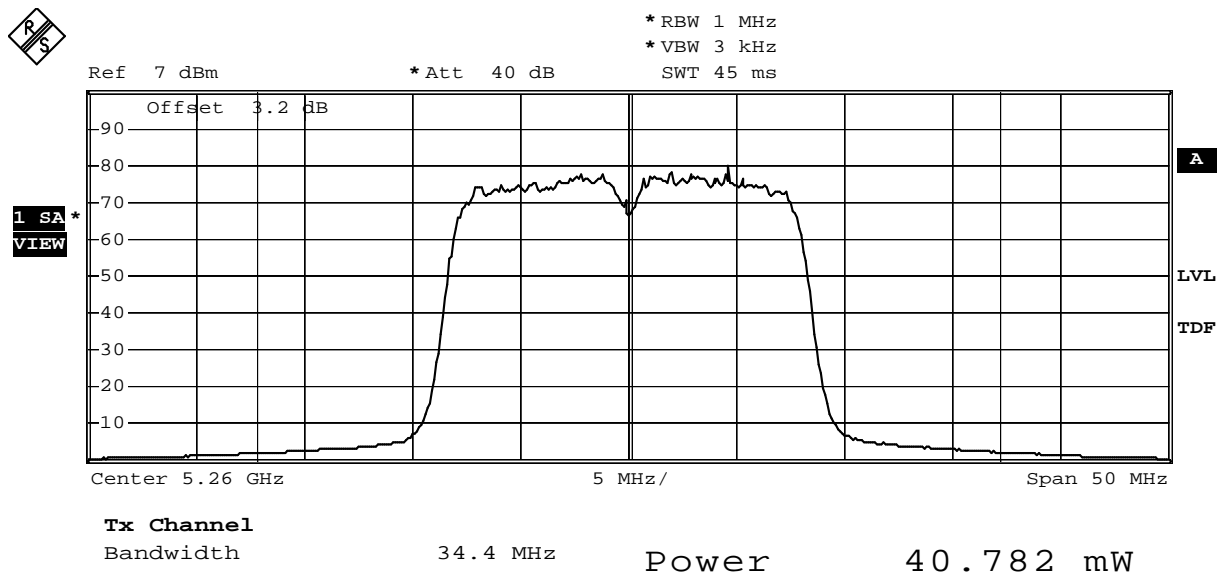
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5260 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 09:21:18

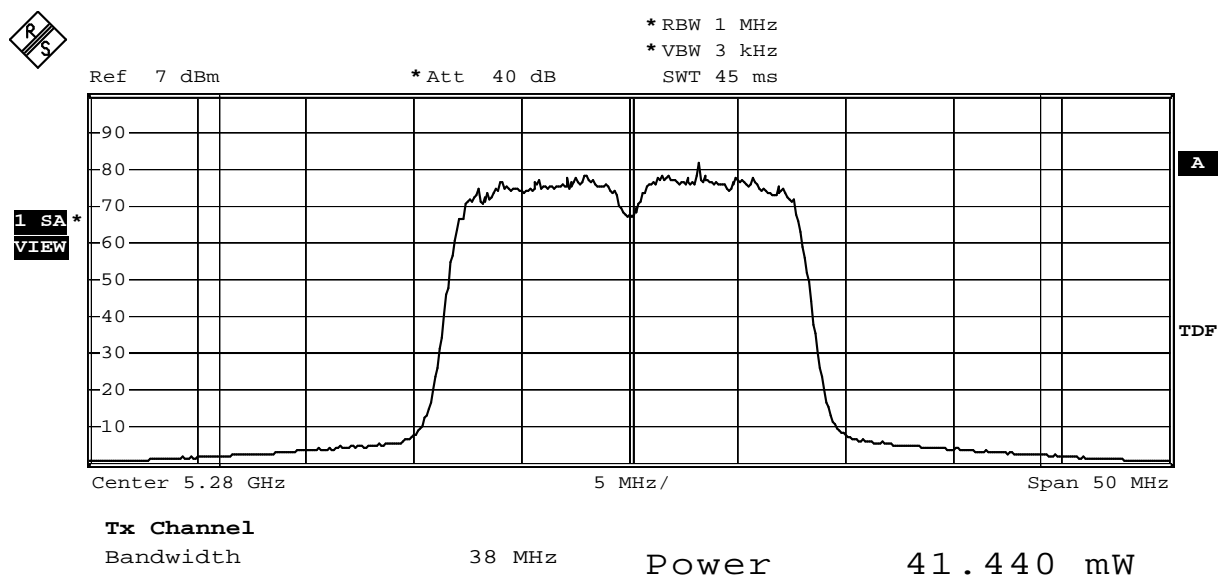
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4) Maximum Conducted Output Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Maximum Conducted Output Power (Method #3)
Comment 2	Channel frequency: 5280 MHz
Comment 3	OFDM / 24 Mbit/s



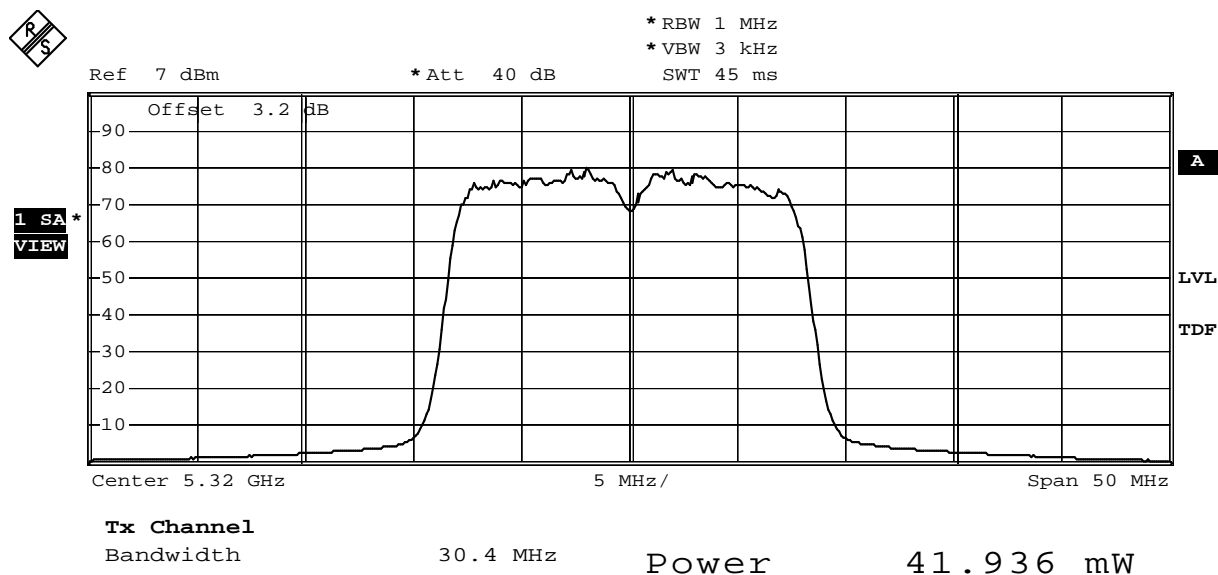
Date: 17.MAR.2008 09:44:06

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5320 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 09:31:34

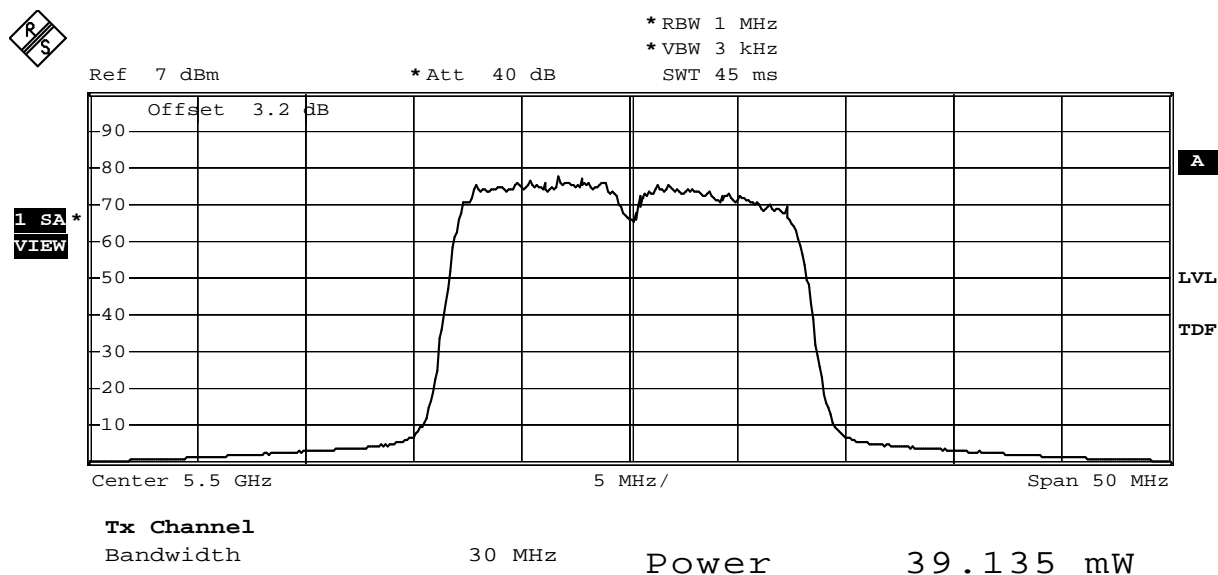
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5500 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 09:34:51

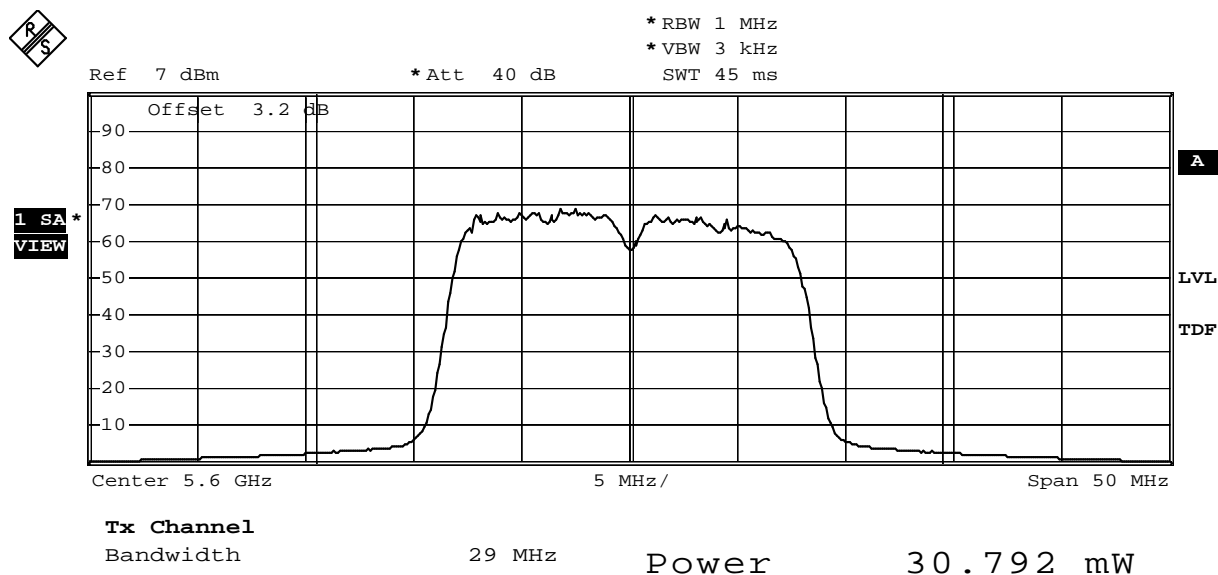
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5600 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 11:44:59

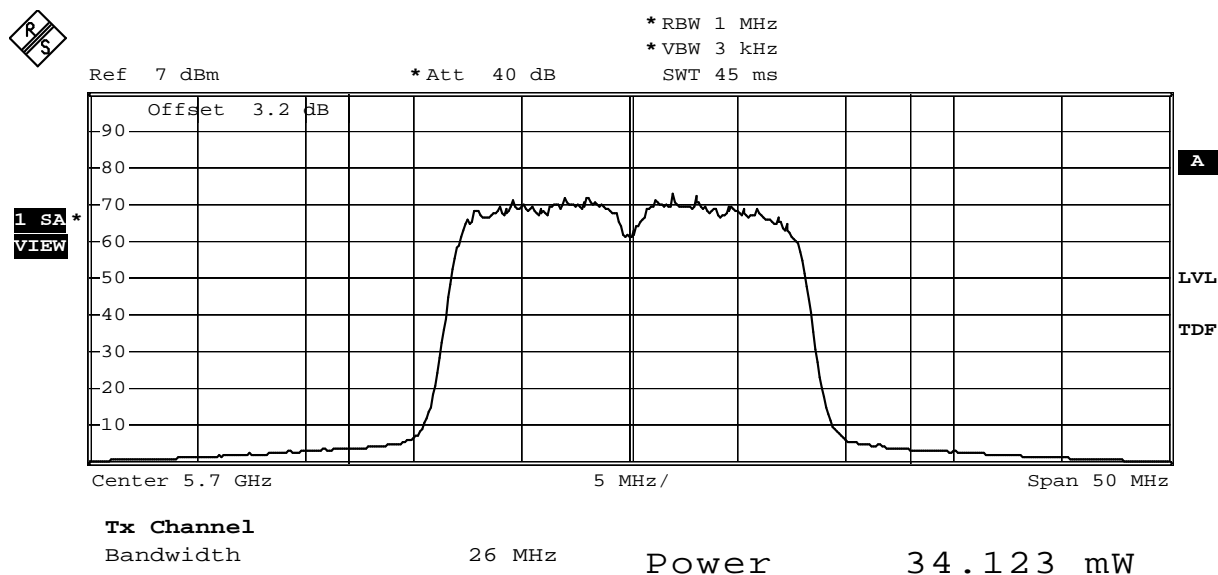
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5700 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 11:47:40

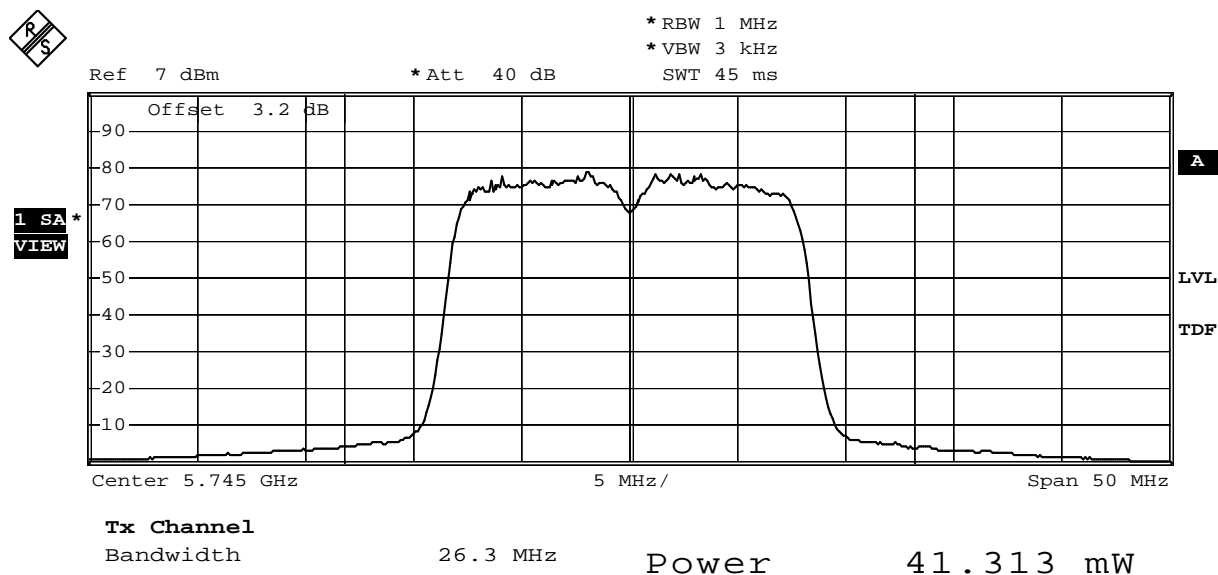
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5745 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 12:21:33

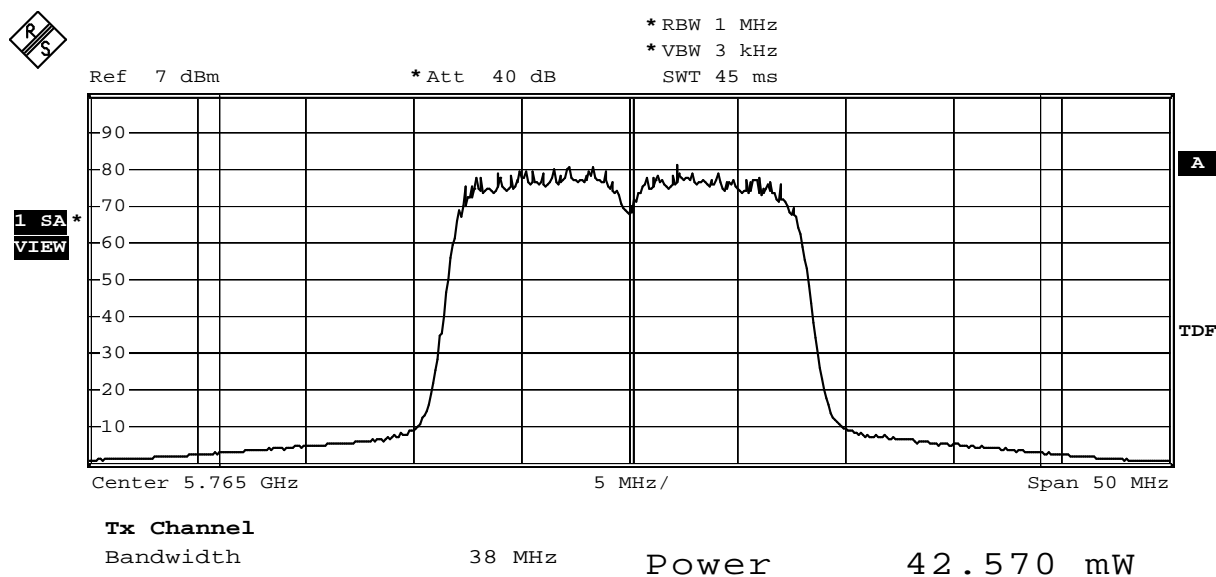
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-4) Maximum Conducted Output Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Maximum Conducted Output Power (Method #3)
Comment 2	Channel frequency: 5765 MHz
Comment 3	OFDM / 24 Mbit/s



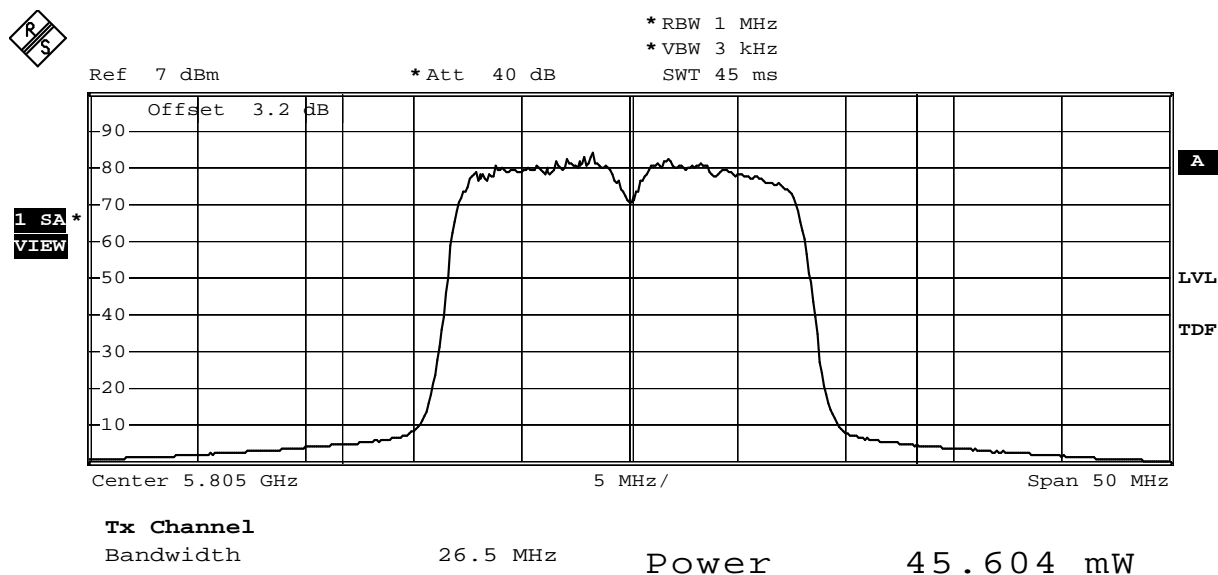
Date: 17.MAR.2008 09:56:33

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(1-4)
Peak Transmit Power

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-4) / DA 02-2138
Comment 1	Peak Transmit Power (Method #3)
Comment 2	Channel : 5805 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 12:24:02

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

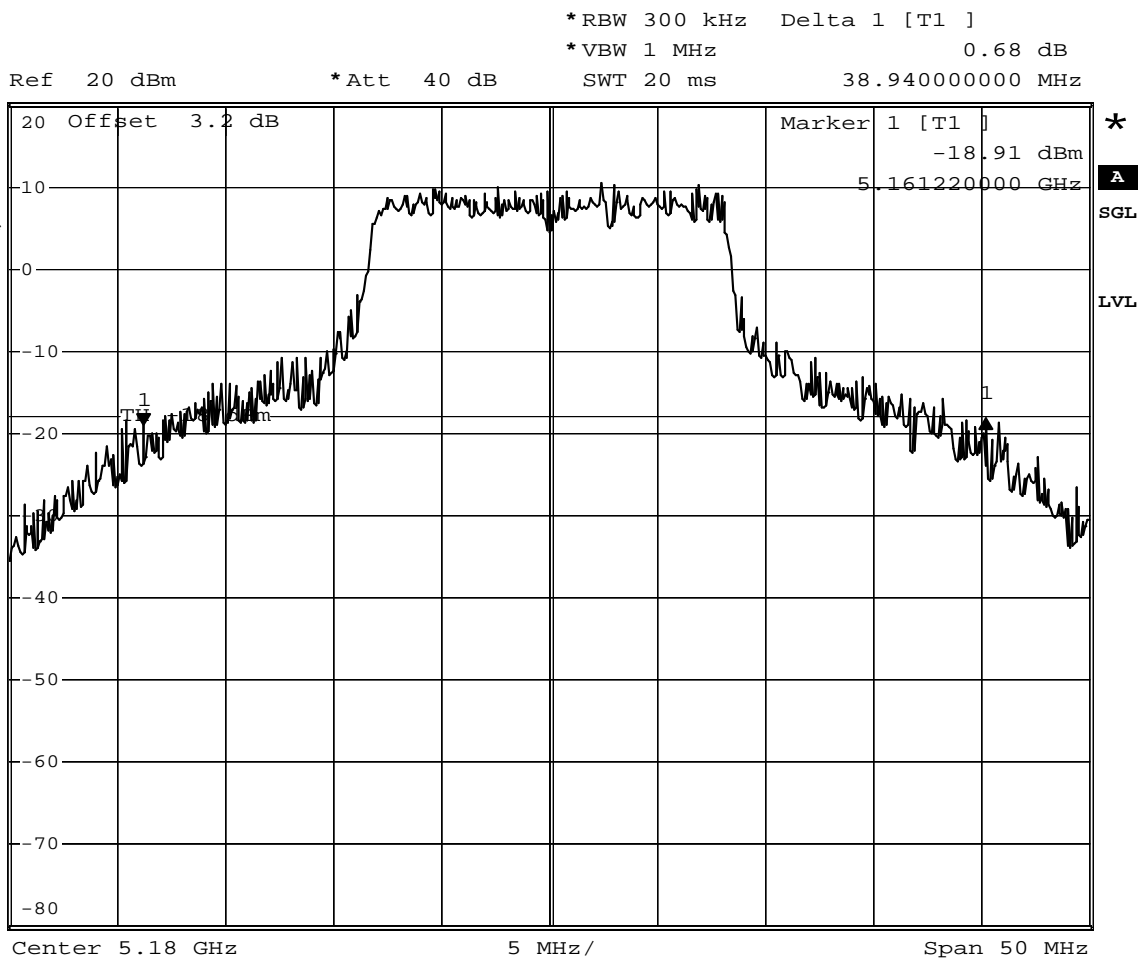
Page 1 of 1

Annex C

Emission bandwidth / Occupied bandwidth

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5180 MHz
Comment 3	OFDM / 24 Mbit/s



Date: 27.AUG.2007 14:38:38

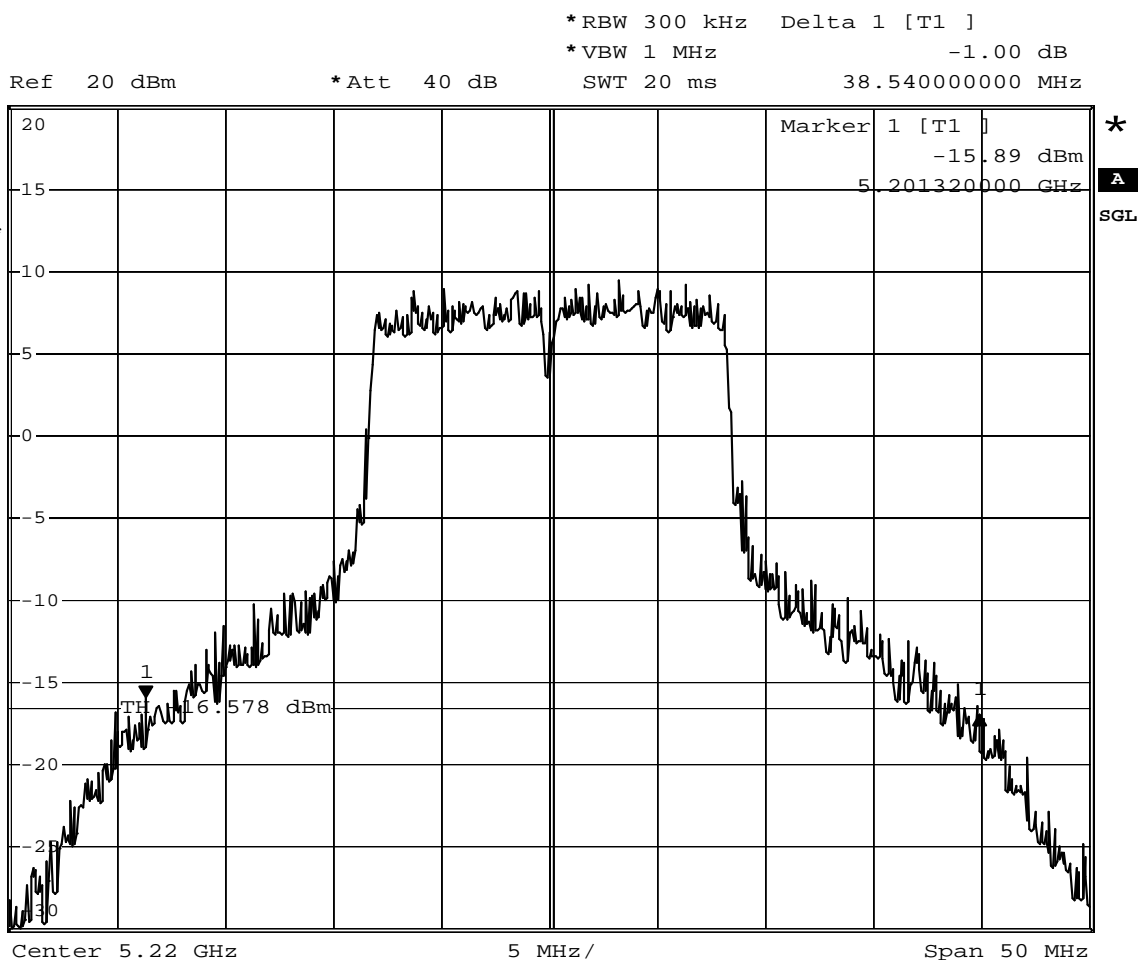
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a) Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel frequency: 5220 MHz
Comment 3	OFDM / 24 Mbit/s



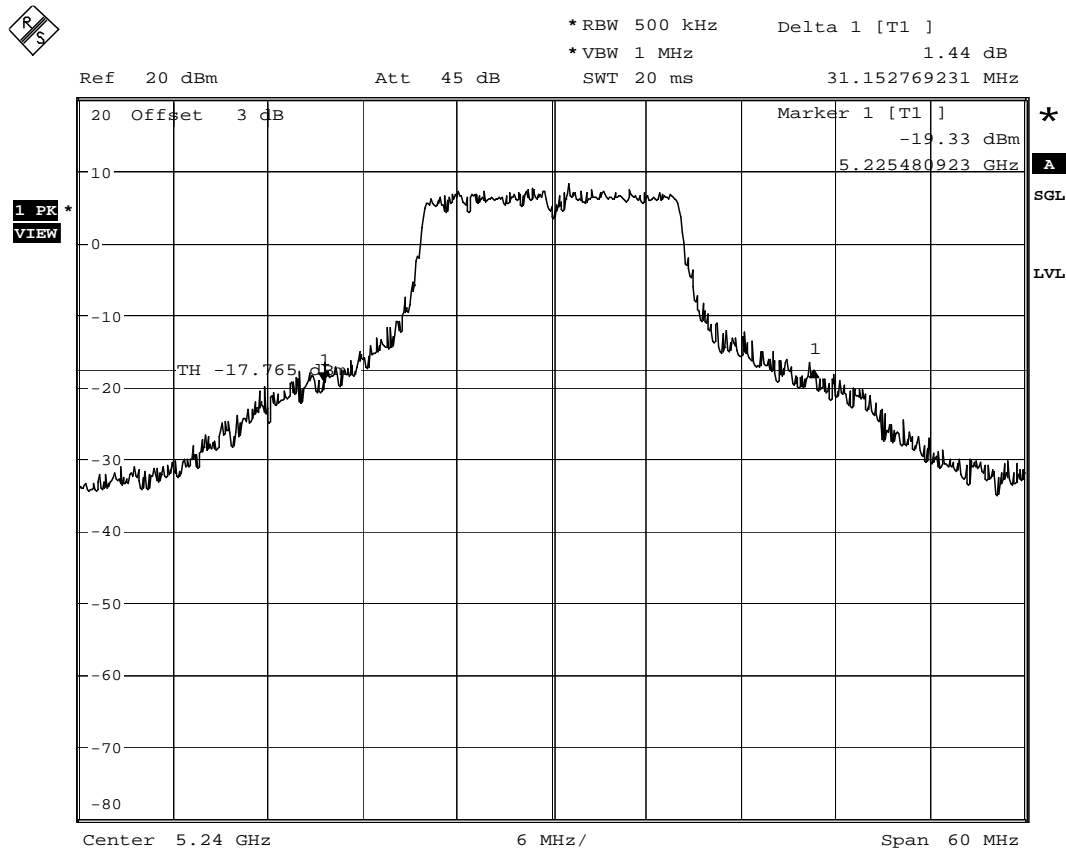
Date: 17.MAR.2008 10:16:49

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5240 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 31.153 MHz

Date: 28.JUL.2007 13:41:01

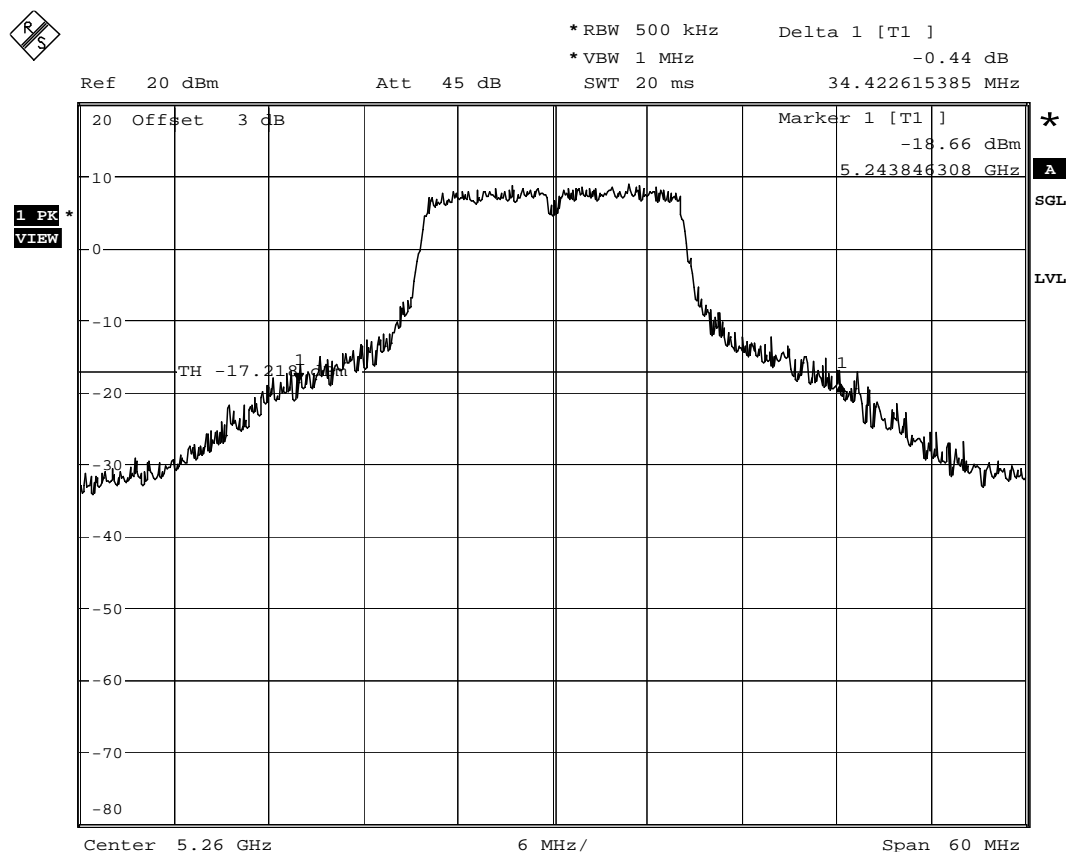
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5260 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 34.423 MHz

Date: 28.JUL.2007 13:43:22

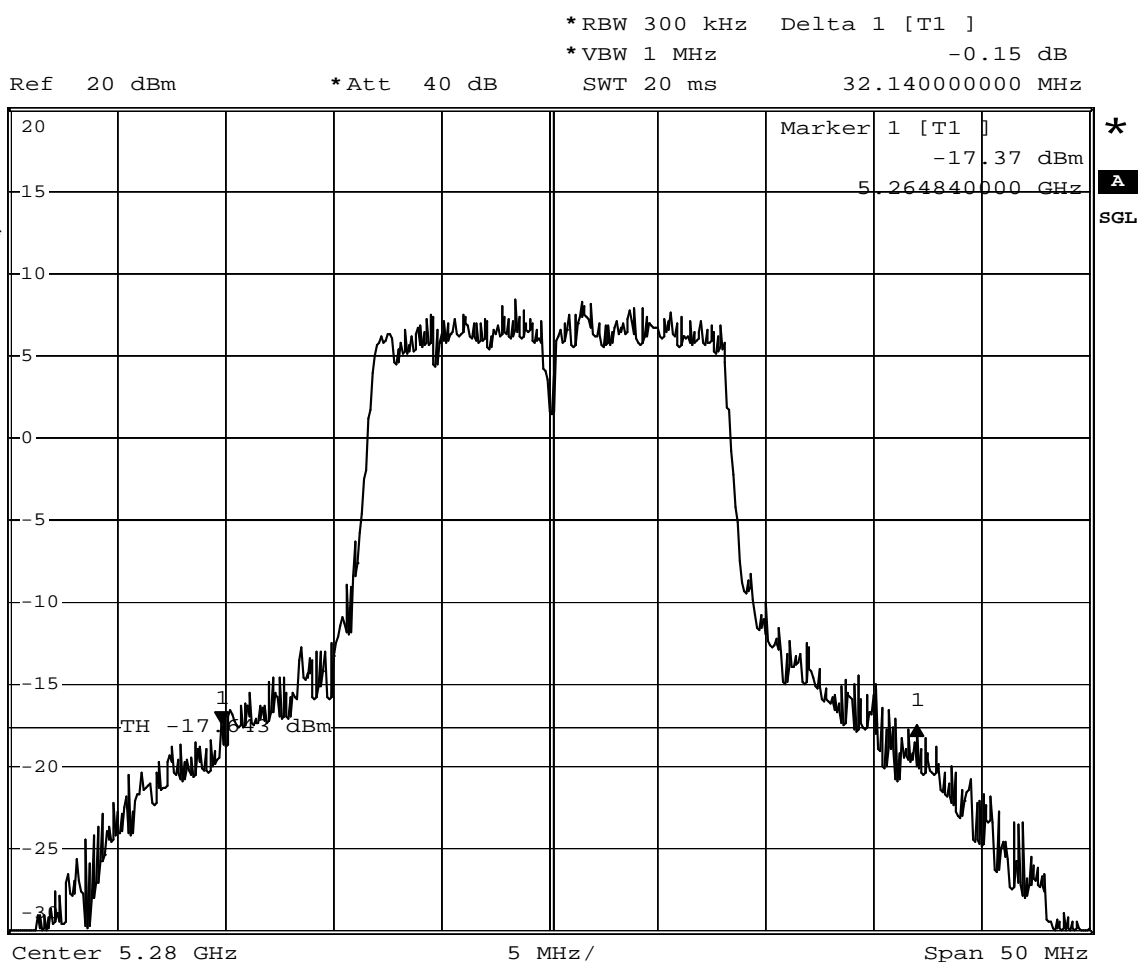
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a) Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel frequency: 5280 MHz
Comment 3	OFDM / 24 Mbit/s



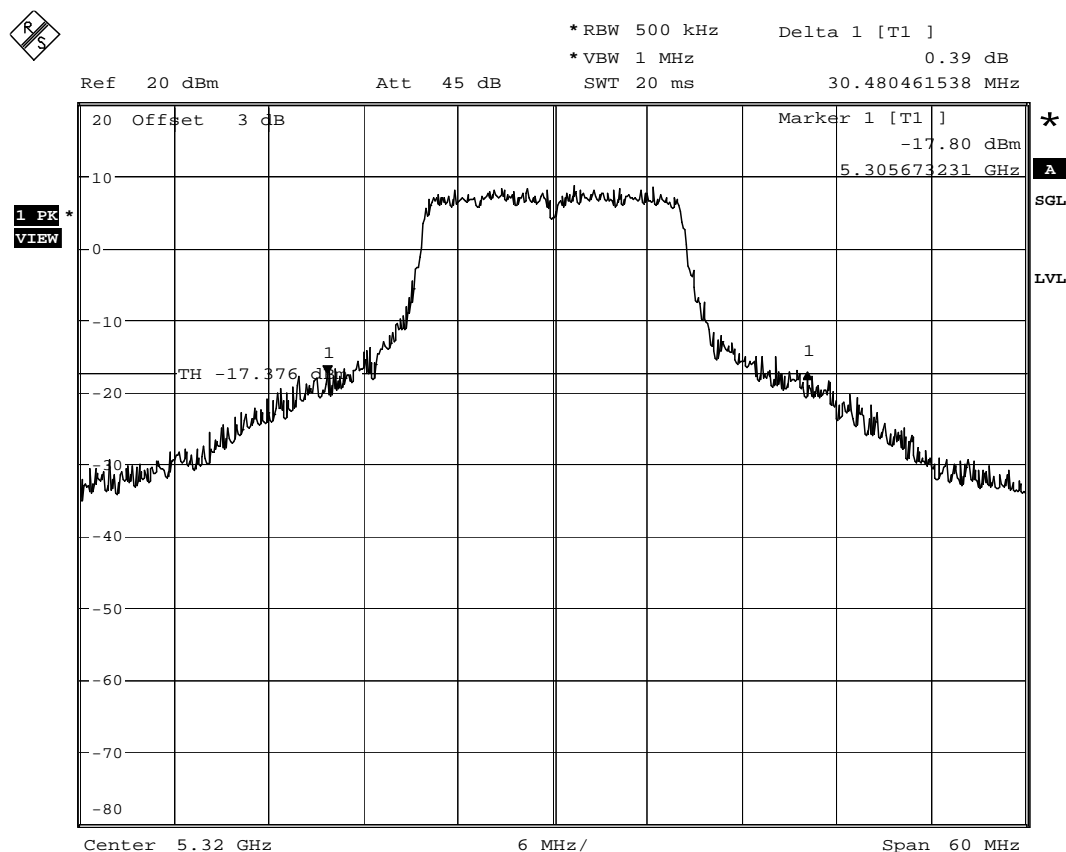
Comment: Emission bandwidth: 32.14 MHz
Date: 17.MAR.2008 10:11:26

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5320 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 30.48 MHz

Date: 28.JUL.2007 13:45:33

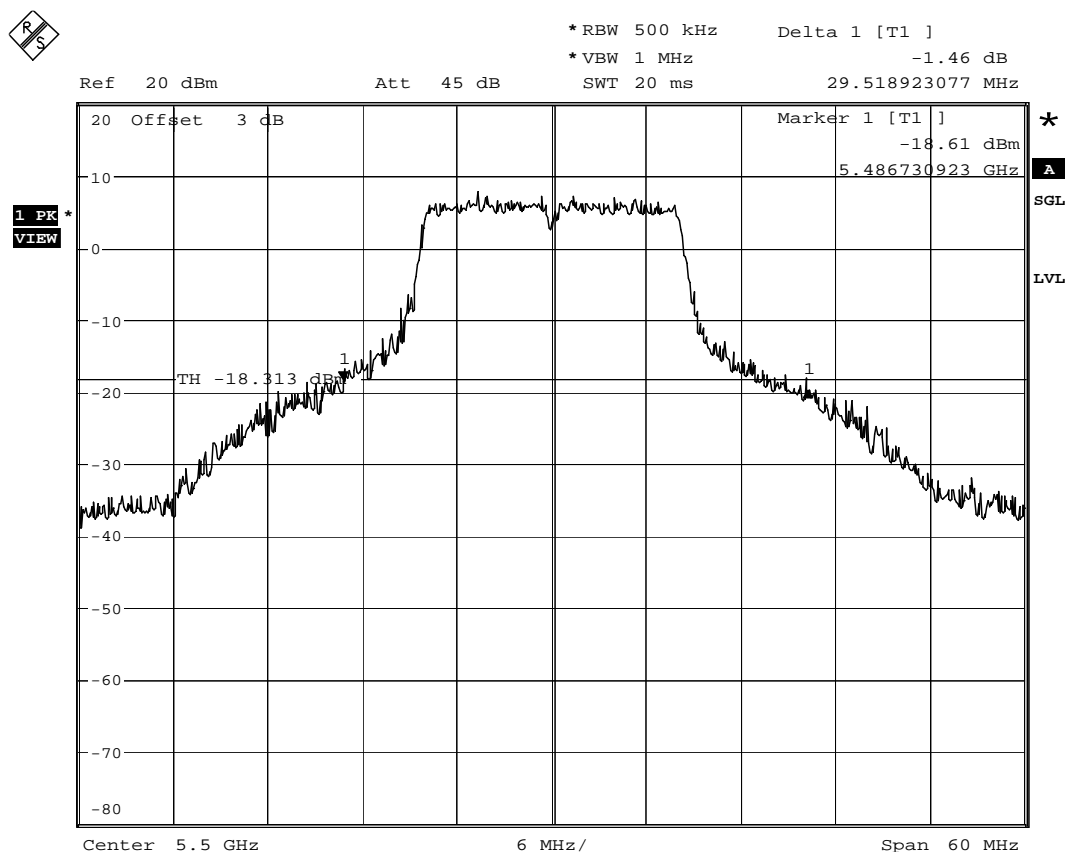
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5500 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 29.519 MHz

Date: 28.JUL.2007 13:52:36

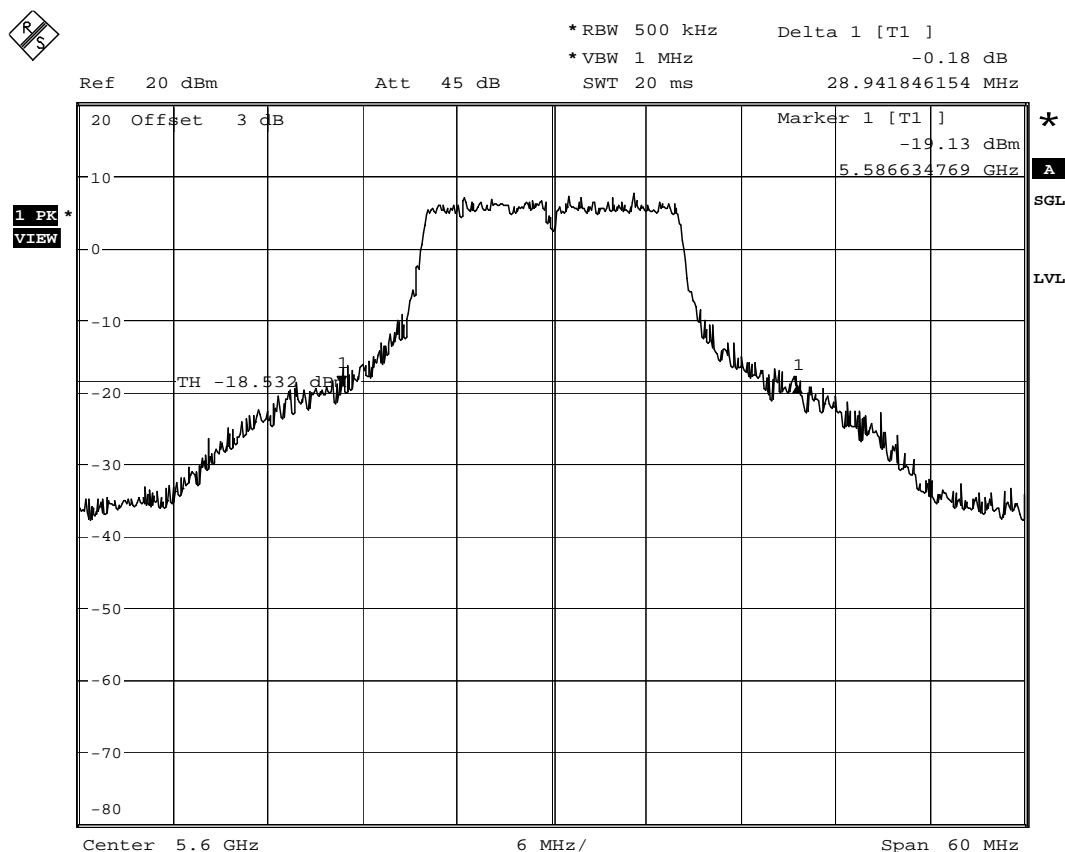
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5600 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 28.942 MHz

Date: 28.JUL.2007 13:57:03

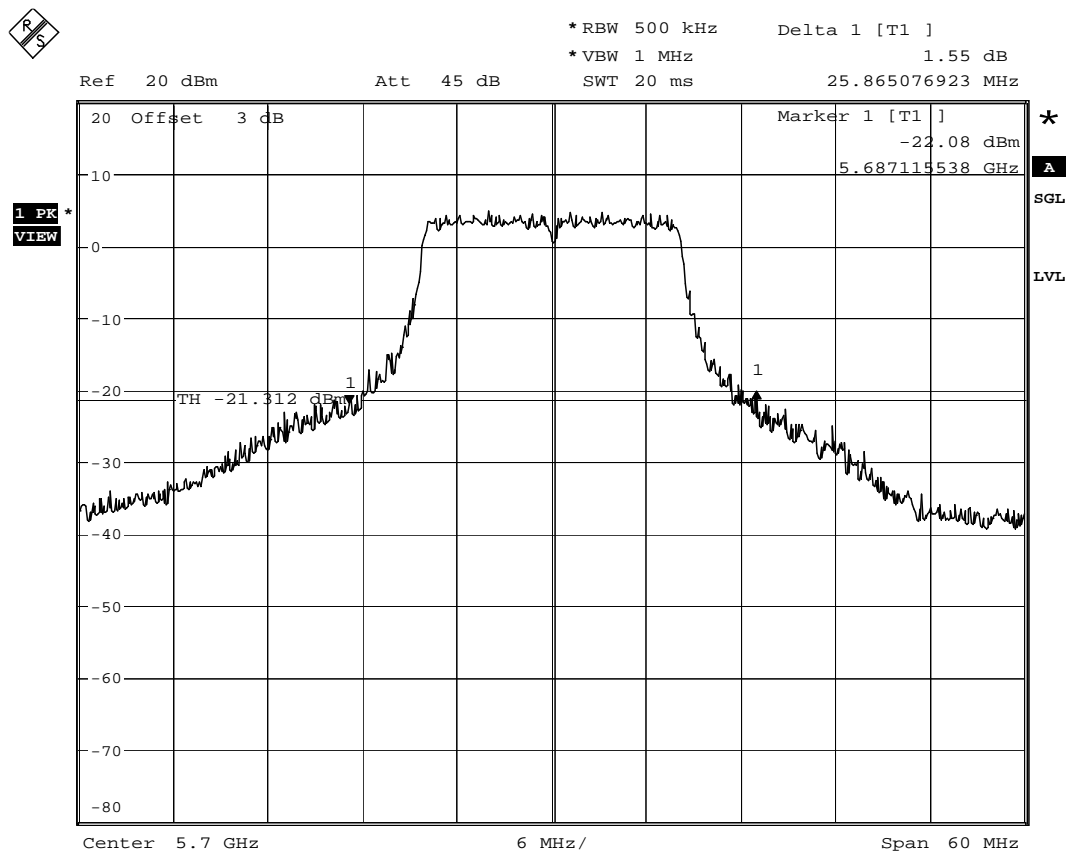
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5700 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 25.865 MHz

Date: 28.JUL.2007 13:59:16

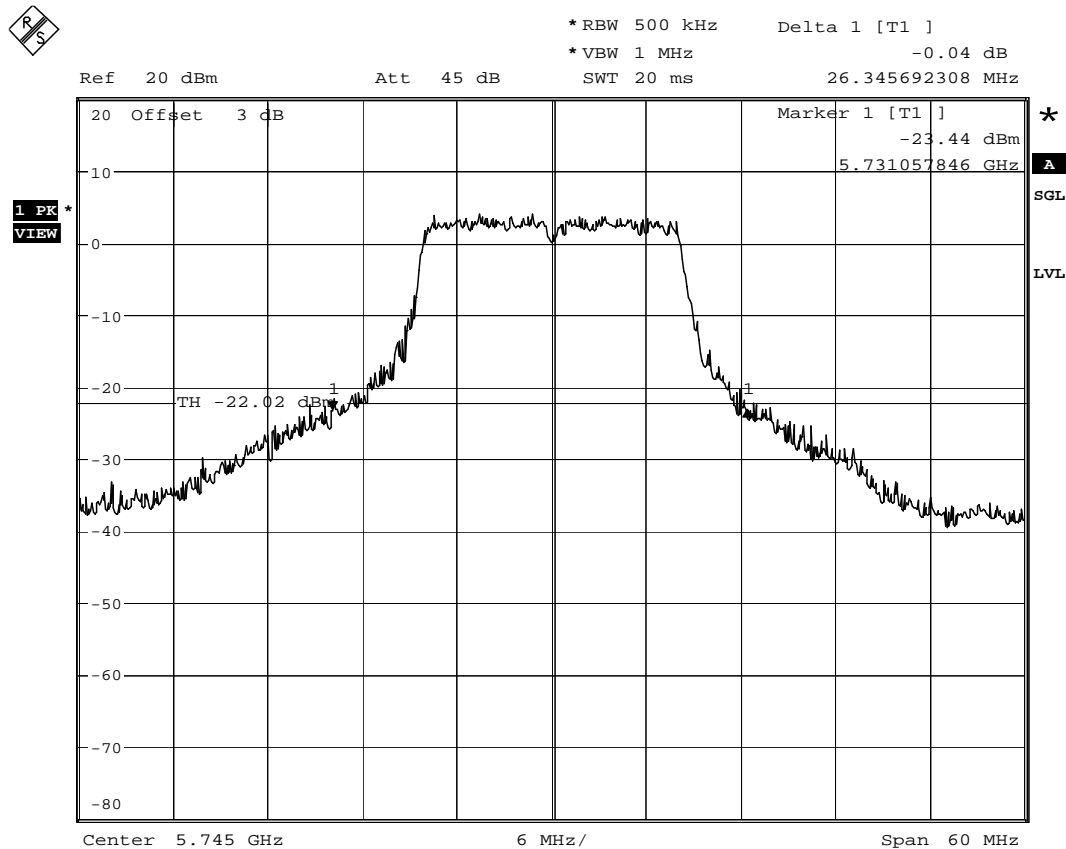
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5745 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 26.346 MHz

Date: 28.JUL.2007 14:02:17

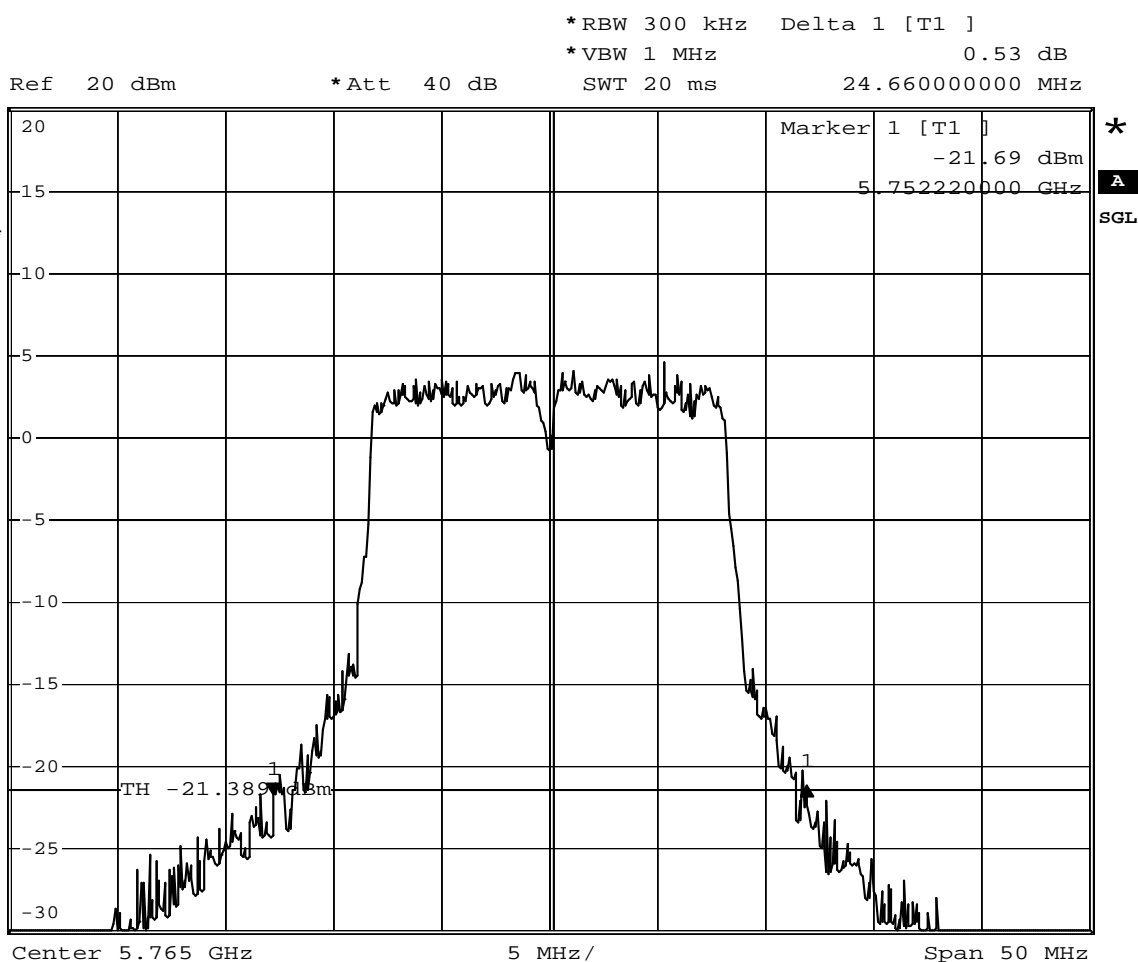
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a) Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel frequency: 5765 MHz
Comment 3	OFDM / 24 Mbit/s



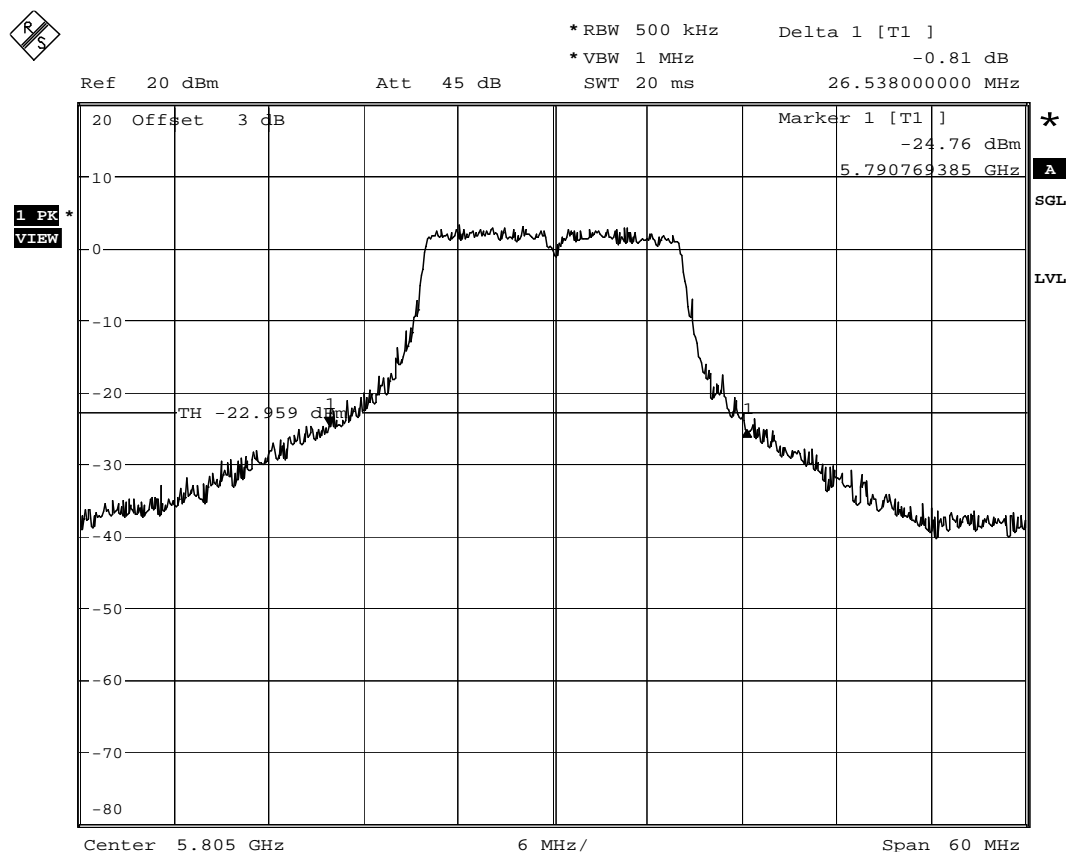
Comment: Emission bandwidth: 24.66 MHz
Date: 17.MAR.2008 10:20:41

Measurement diagram

Eurofins ETS Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)
Emission Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a) / DA 02-2138
Comment 1	26 dB Bandwidth
Comment 2	Channel : 5805 MHz
Comment 3	OFDM / 24 Mbit/s



26 dB bandwidth: 26.538 MHz

Date: 28.JUL.2007 14:05:12

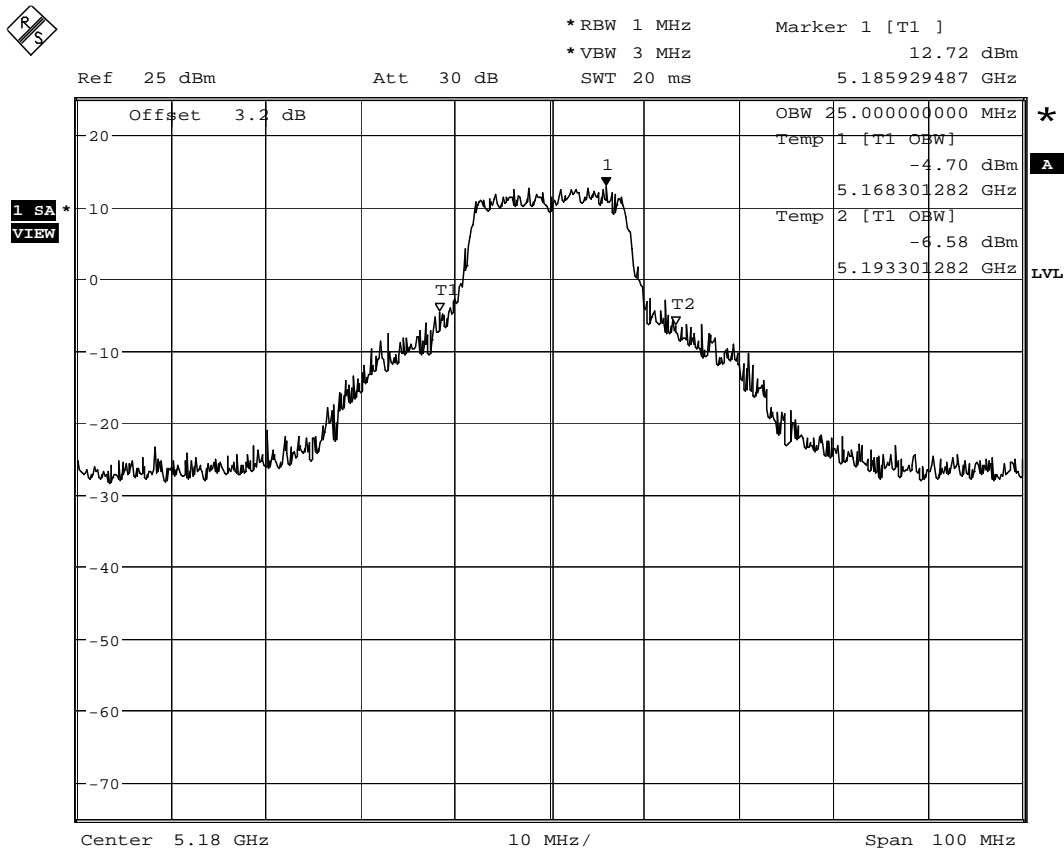
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

RSS Gen
Occupied Bandwidth

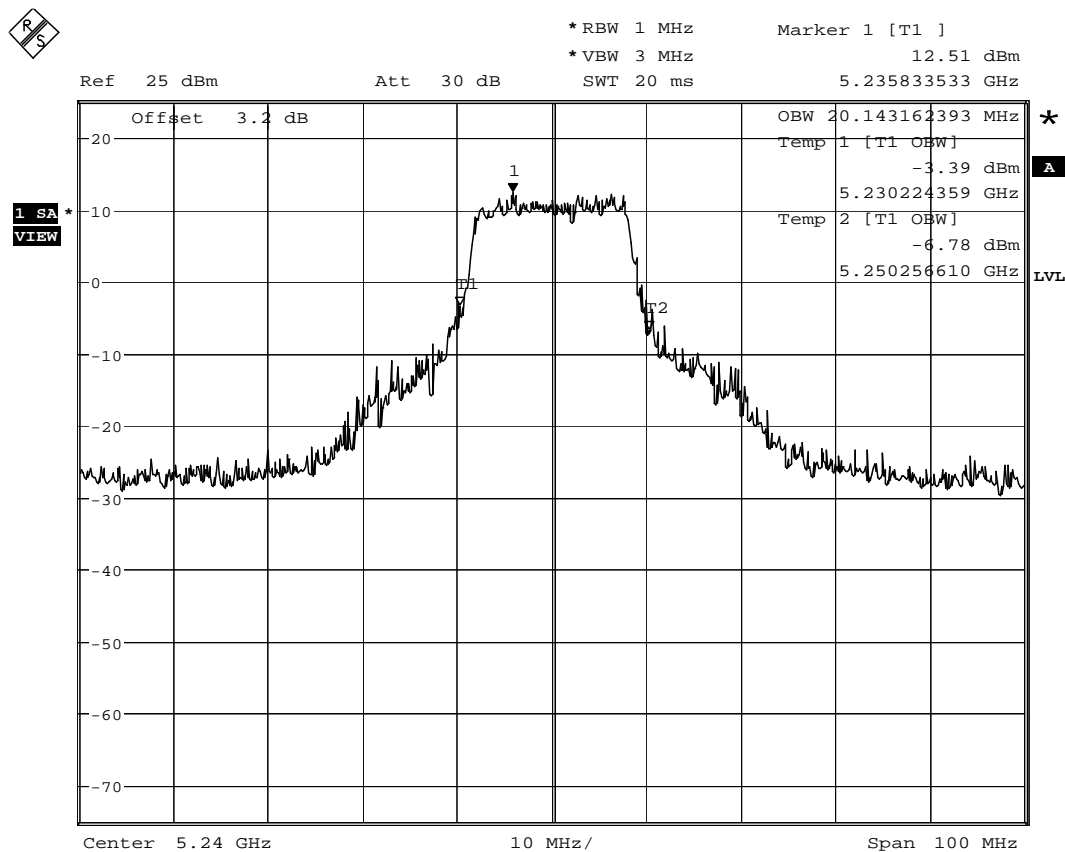
EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5180 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



Occupied bandwidth: 25 MHz
Date: 30.JUL.2007 15:26:39

RSS Gen Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5220 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



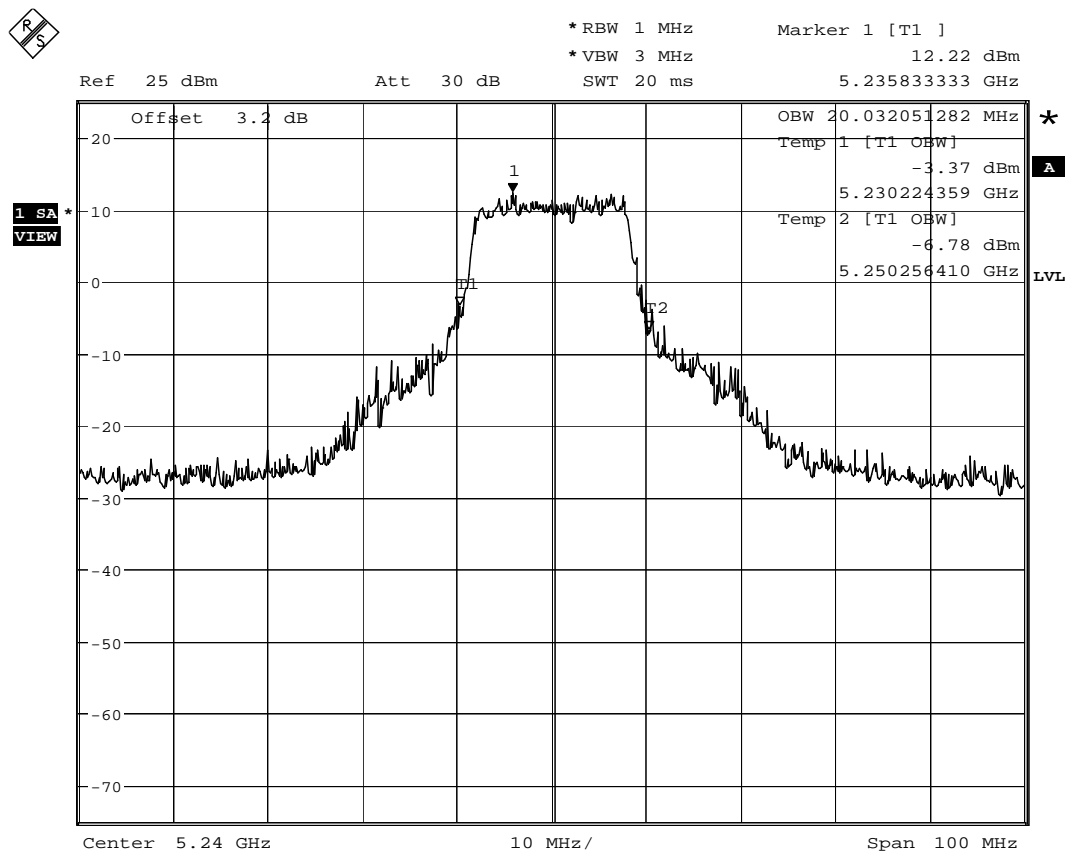
Occupied bandwidth: 20.14 MHz

Date: 17.MAR.2008 14:33:25

Measurement diagram

RSS Gen Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5240 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



Occupied bandwidth: 20.03 MHz

Date: 30.JUL.2007 15:28:51

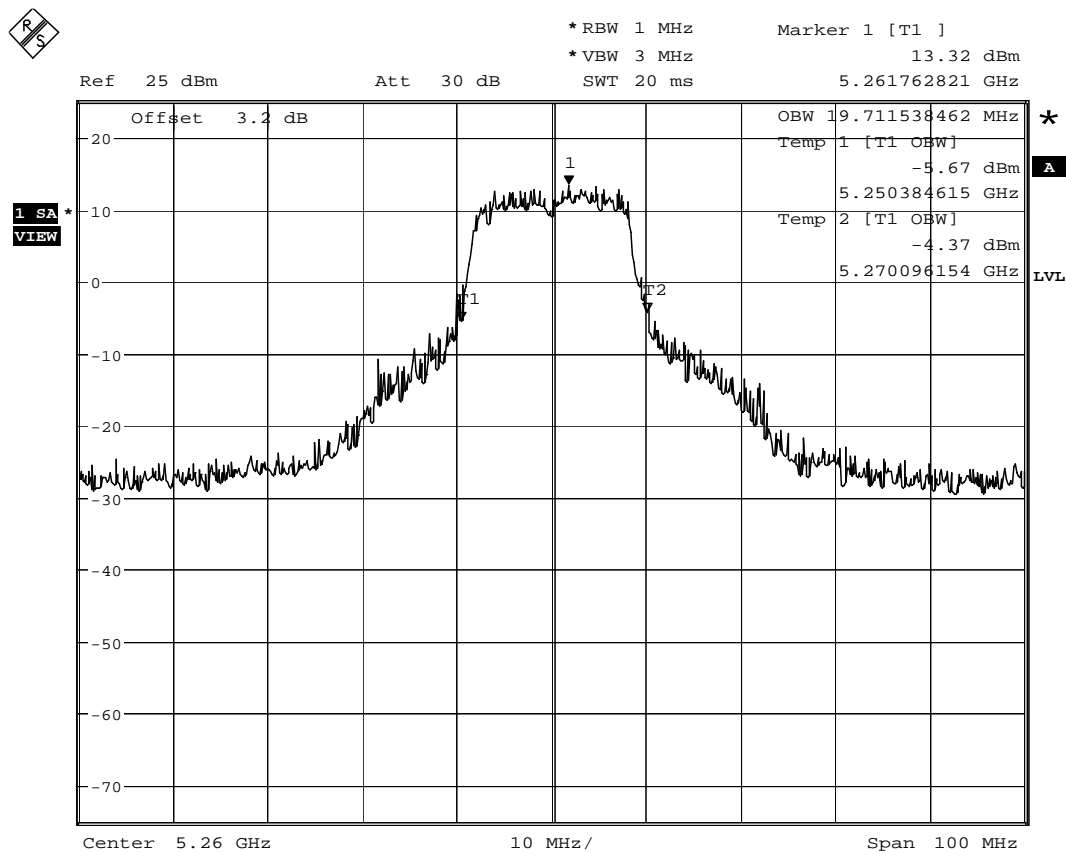
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

RSS Gen Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5260 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



Occupied bandwidth: 19.71 MHz

Date: 30.JUL.2007 15:31:16

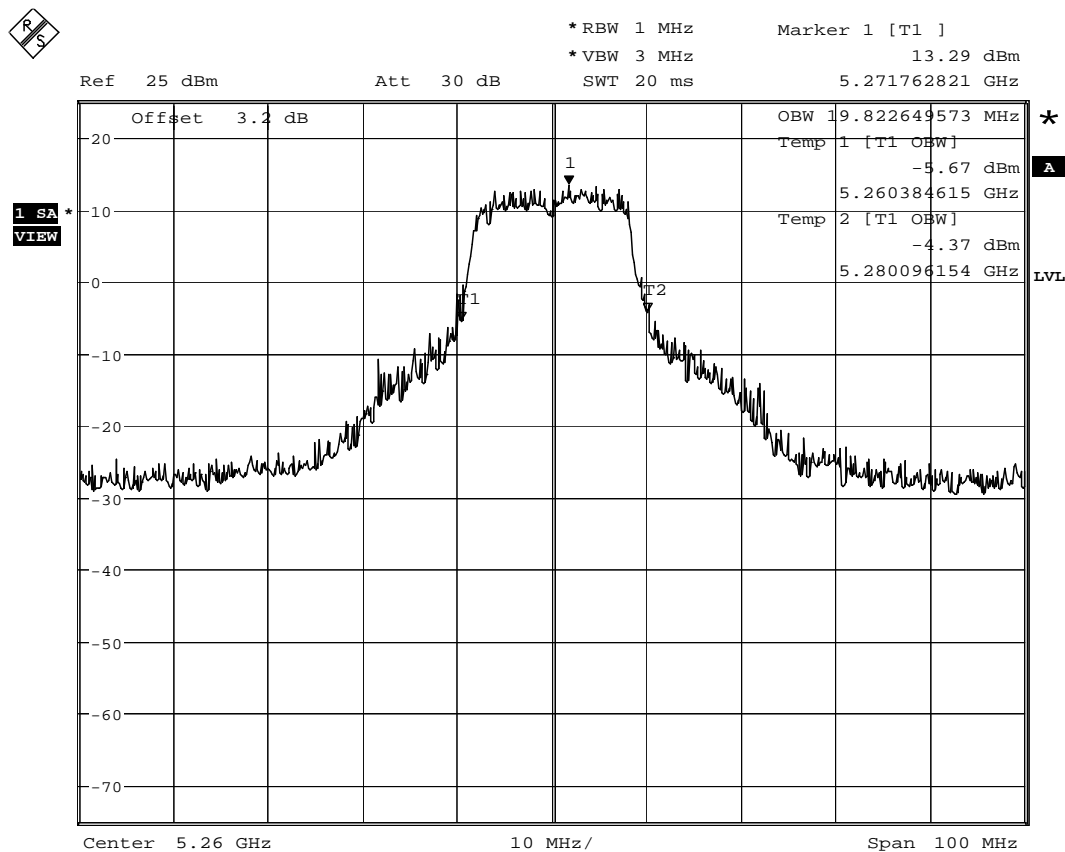
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

RSS Gen Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5280 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



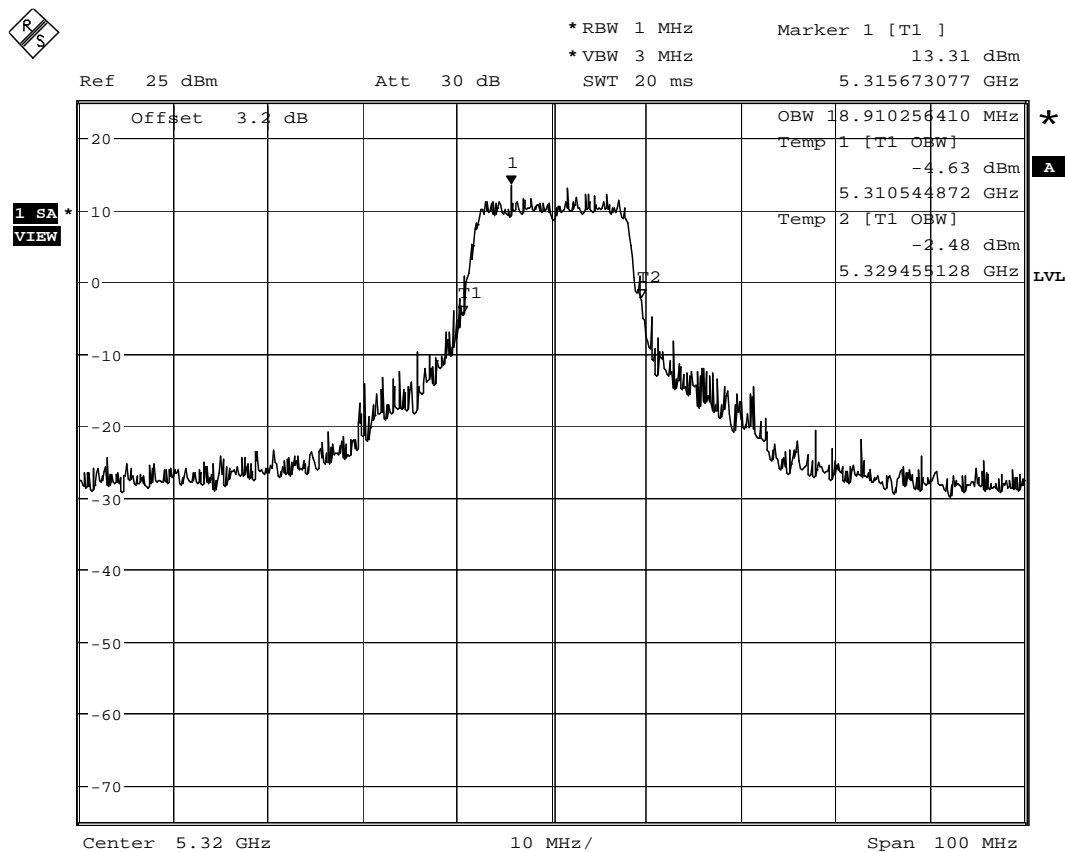
Occupied bandwidth: 19.82 MHz

Date: 17.MAR.2008 14:55:22

Measurement diagram

RSS Gen
Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5320 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



Occupied bandwidth: 18.91 MHz

Date: 30.JUL.2007 15:36:30

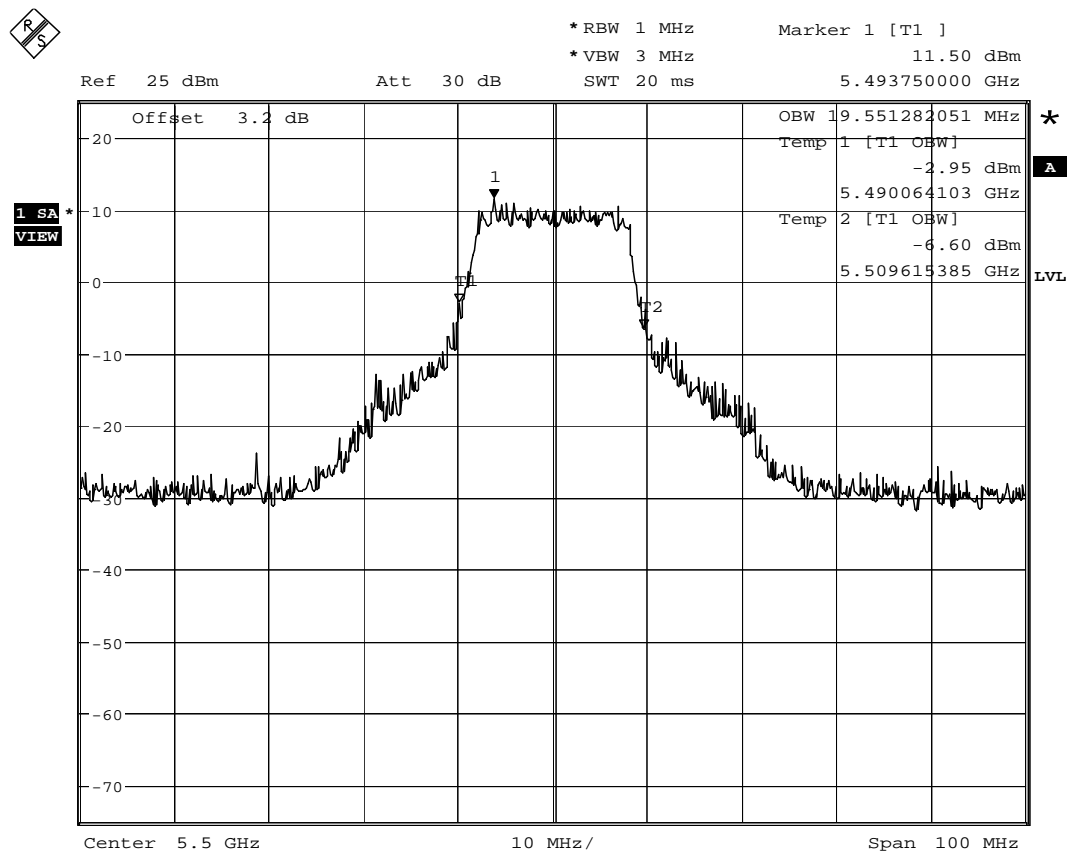
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

RSS Gen
Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5500 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s

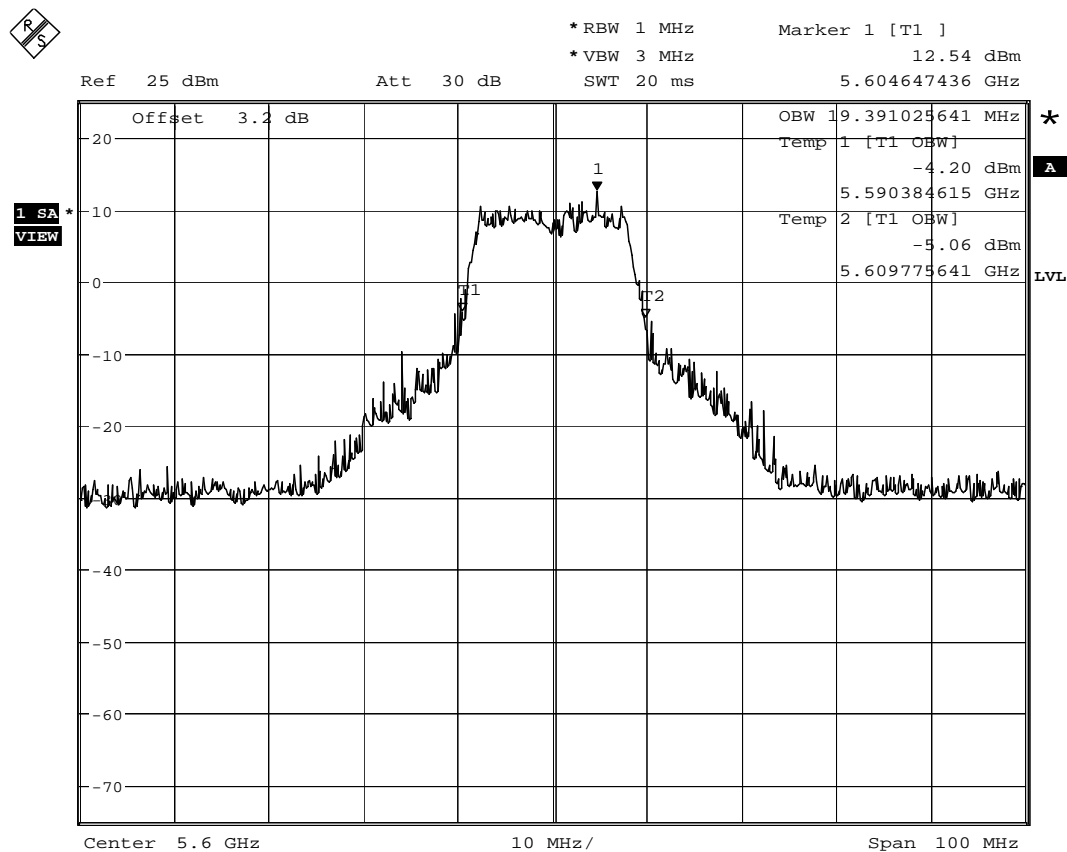


Occupied bandwidth: 19.55 MHz
Date: 30.JUL.2007 15:37:43

Measurement diagram

RSS Gen
Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5600 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s

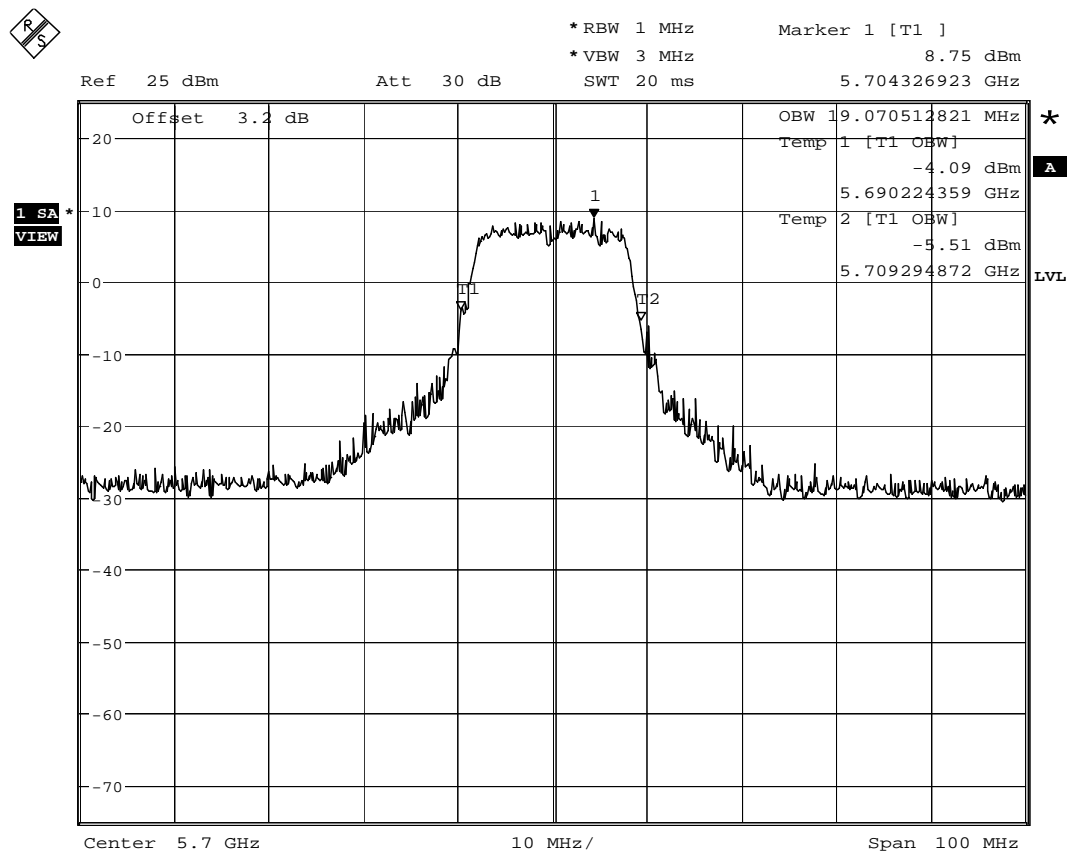


Occupied bandwidth: 19.39 MHz
Date: 30.JUL.2007 15:38:57

Measurement diagram

RSS Gen
Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5700 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s

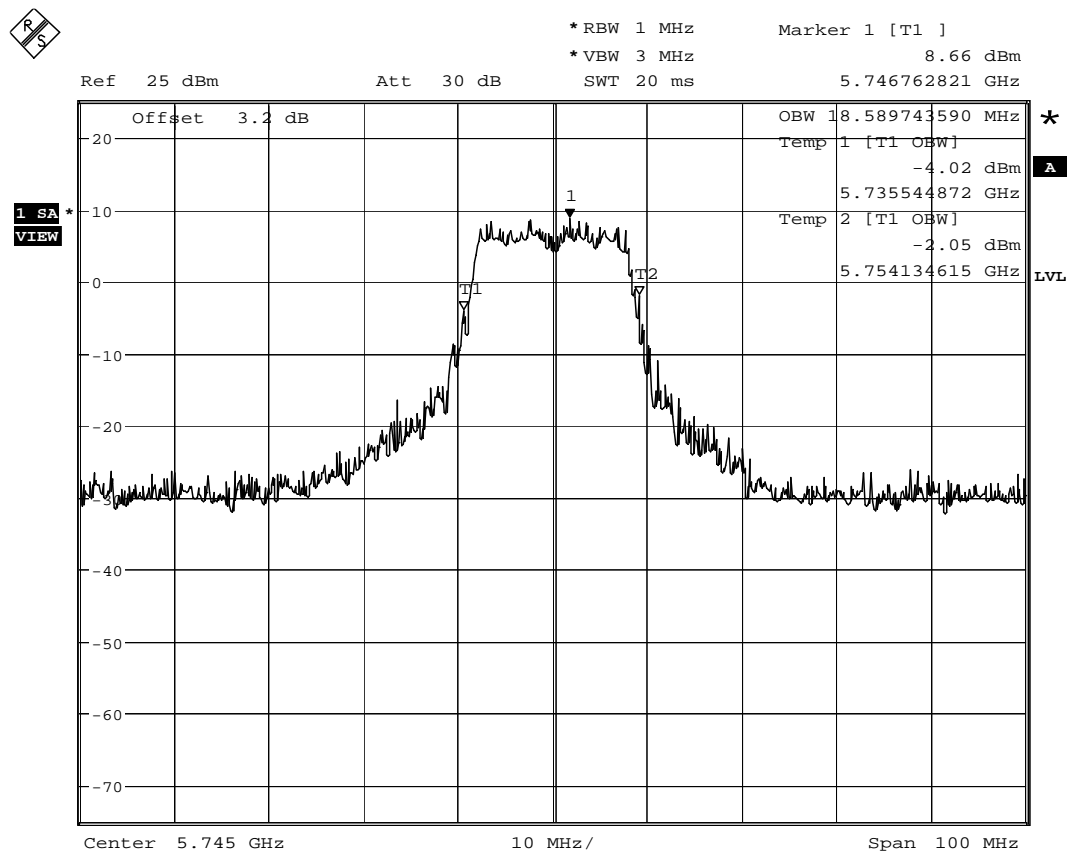


Occupied bandwidth: 19.07 MHz
Date: 30.JUL.2007 15:40:21

Measurement diagram

RSS Gen
Occupied Bandwidth

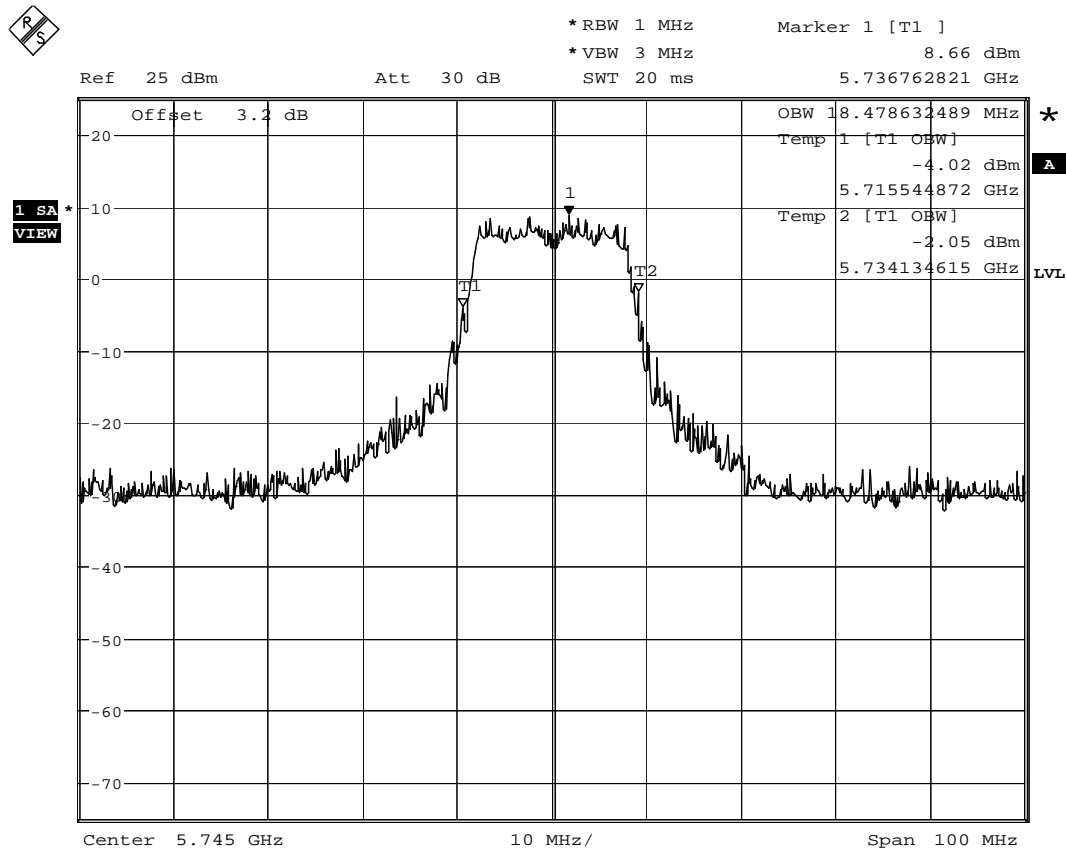
EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5745 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



Occupied bandwidth: 18.59 MHz
Date: 30.JUL.2007 15:41:37

RSS Gen Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	Eurofins ETS Product Service GmbH
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5765 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



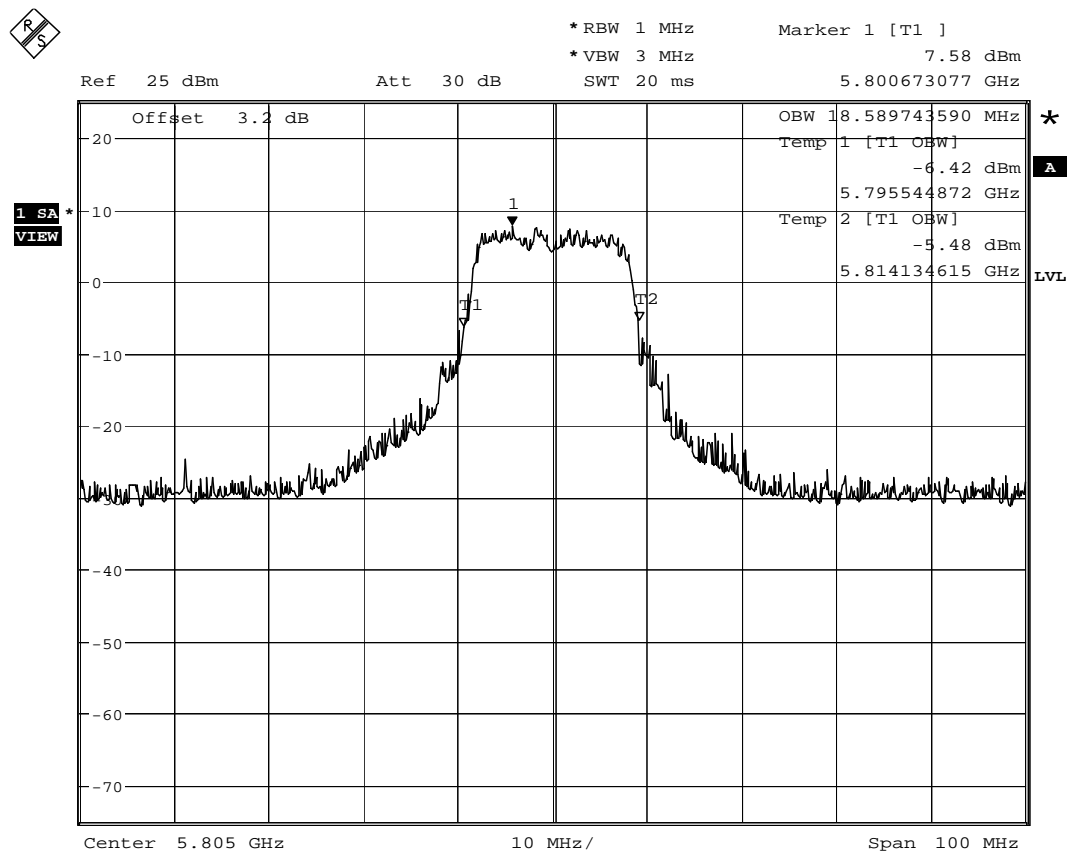
Occupied bandwidth: 18.47 MHz

Date: 17.MAR.2008 15:22:17

Measurement diagram

RSS Gen
Occupied Bandwidth

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	4.4.1 Occupied Bandwidth
Comment 1	Channel.: 5805 MHz
Comment 2	A spectrum analyzer with an integrated 99% power bandwidth function is used
Comment 3	OFDM / 24 Mbit/s



Occupied bandwidth: 18.59 MHz

Date: 30.JUL.2007 15:42:58

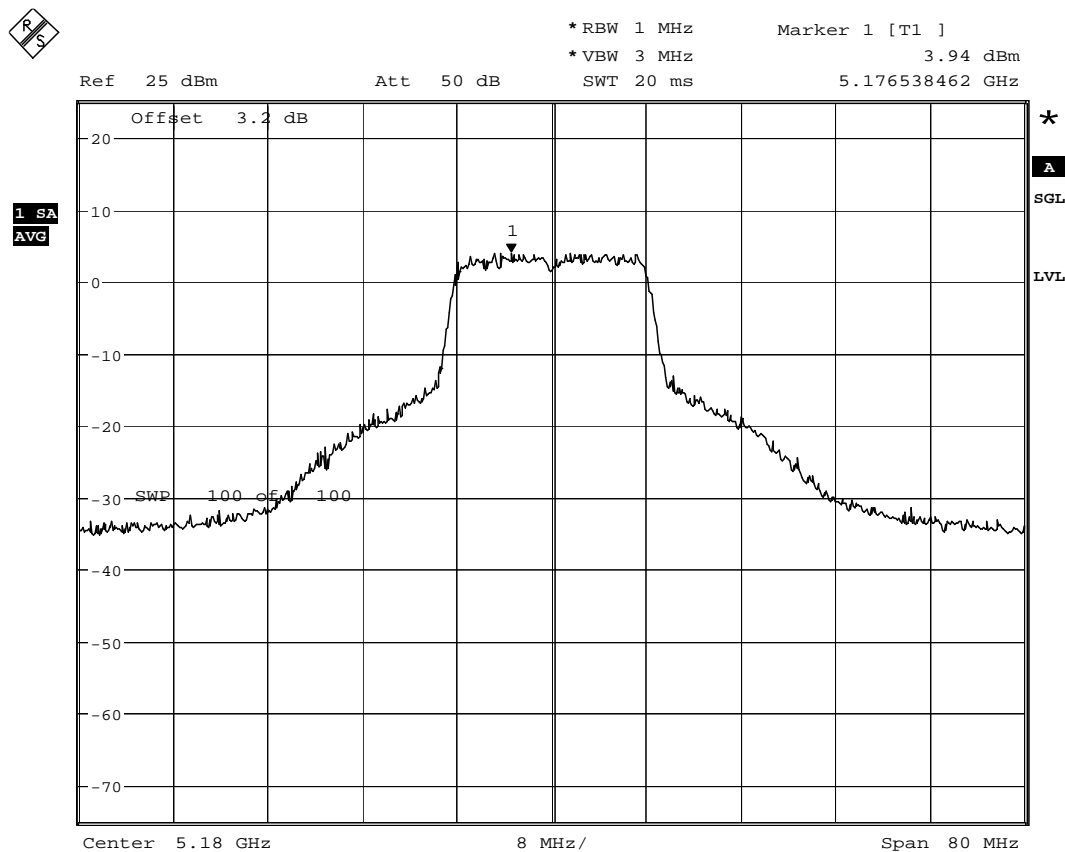
Measurement diagram

Annex D

Peak power spectral density

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5180 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 3.94 dBm

Date: 30.JUL.2007 10:36:17

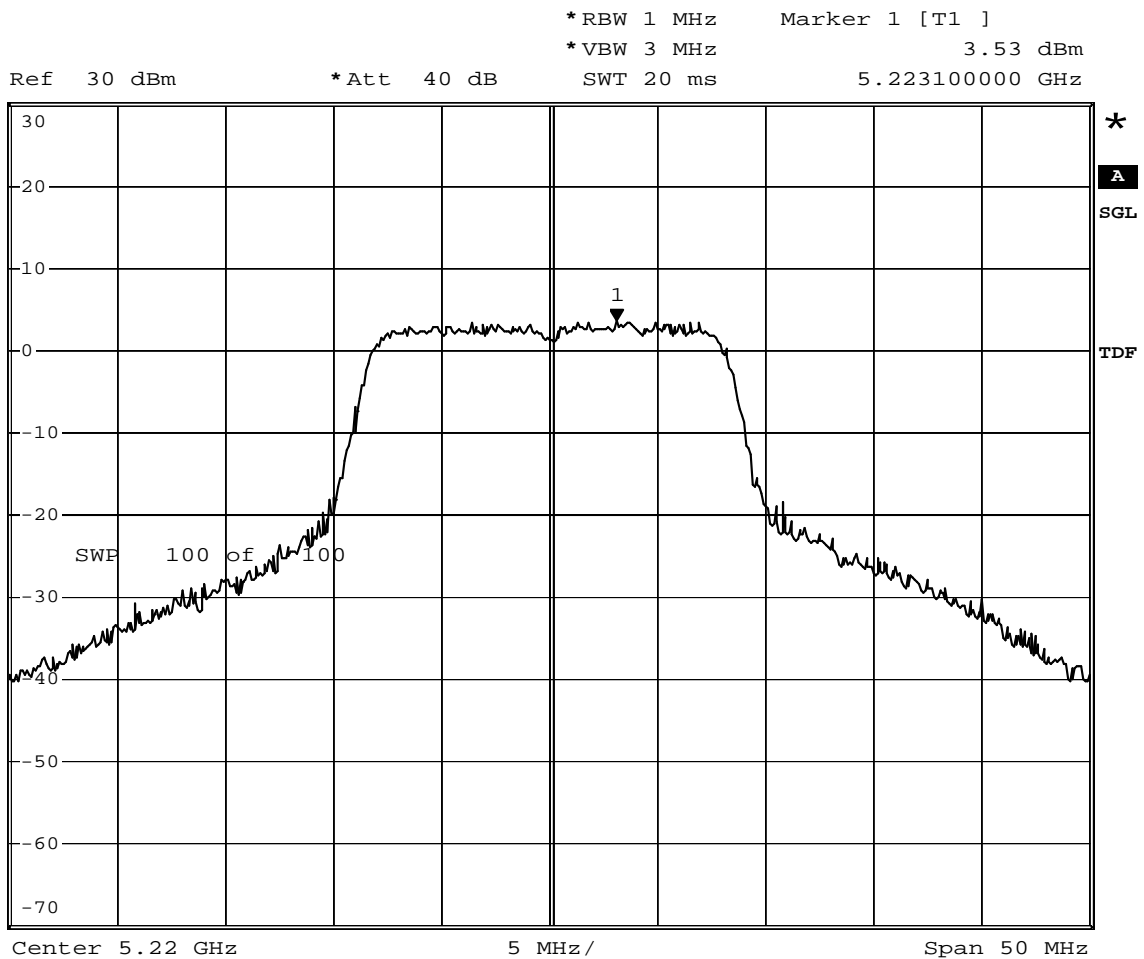
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5) Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel frequency: 5220 MHz
Comment 3	OFDM / 24 Mbit/s



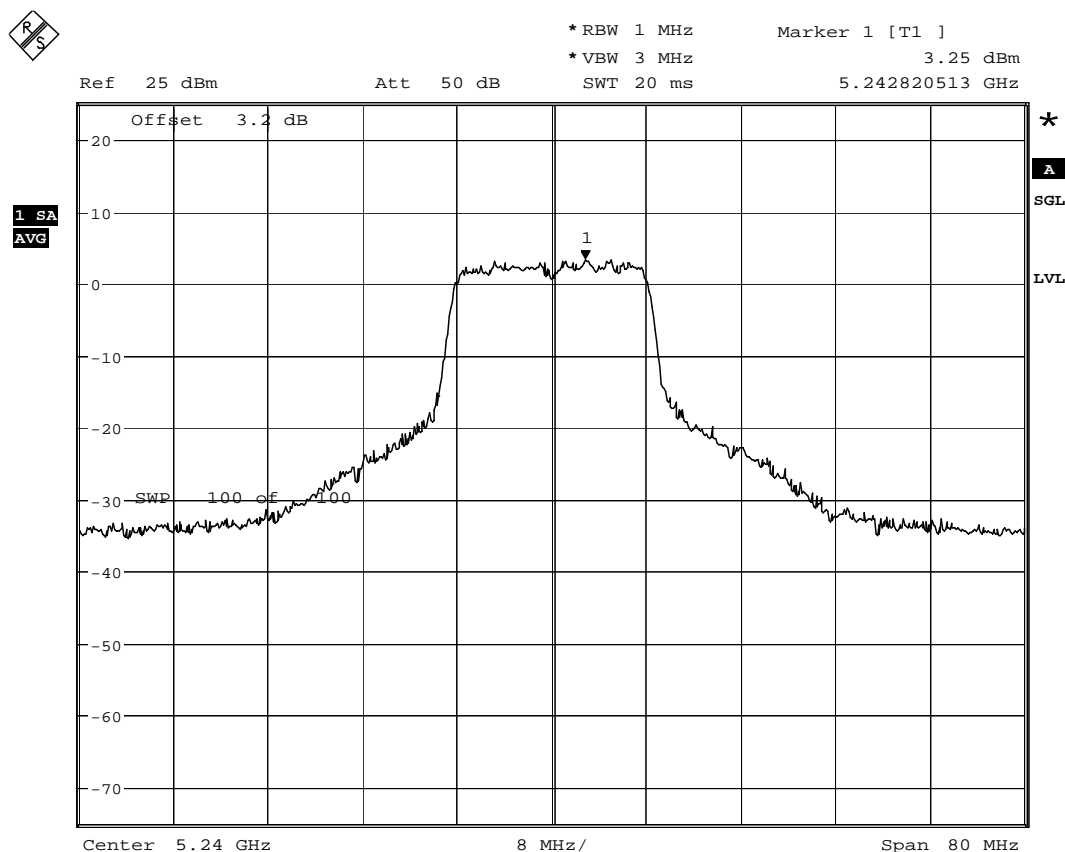
Comment: Peak Power Spectral Density (Method#2): 3.53 dBm at 5.223 GH
 Comment: z
 Date: 17.MAR.2008 10:30:32

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5240 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 3.25 dBm

Date: 30.JUL.2007 10:44:54

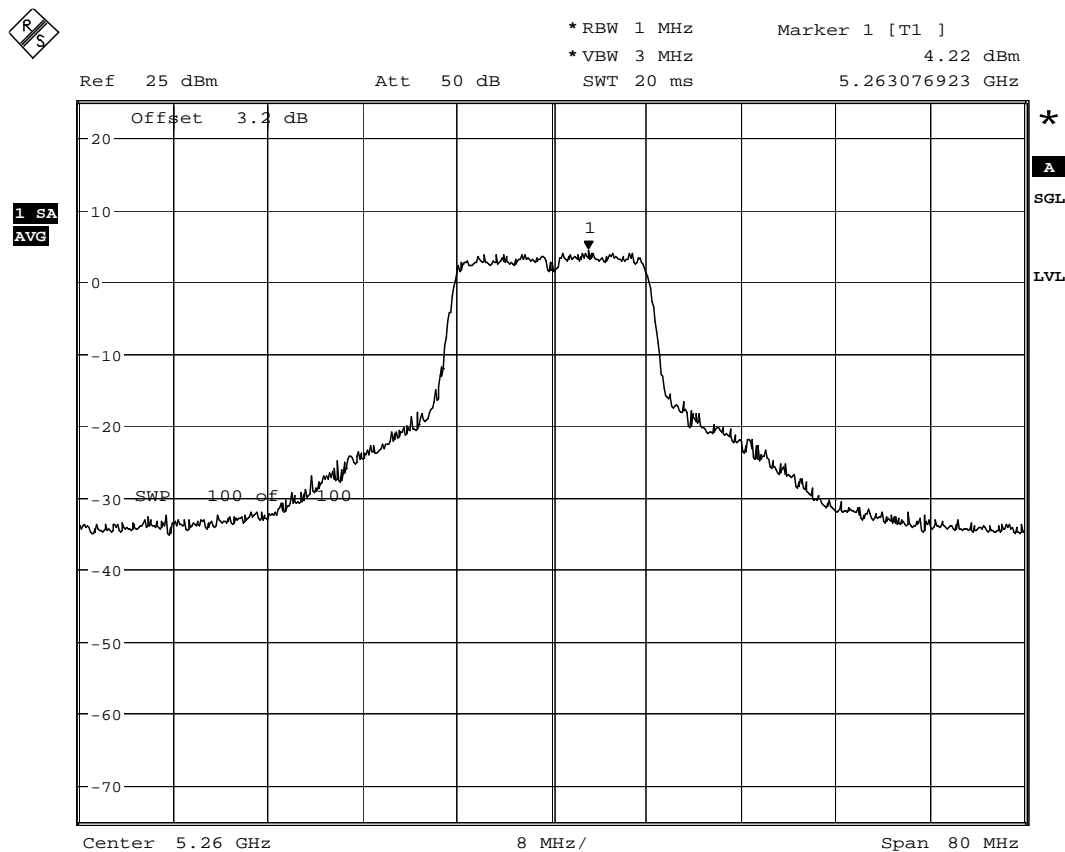
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5260 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 4.22 dBm

Date: 30.JUL.2007 10:49:57

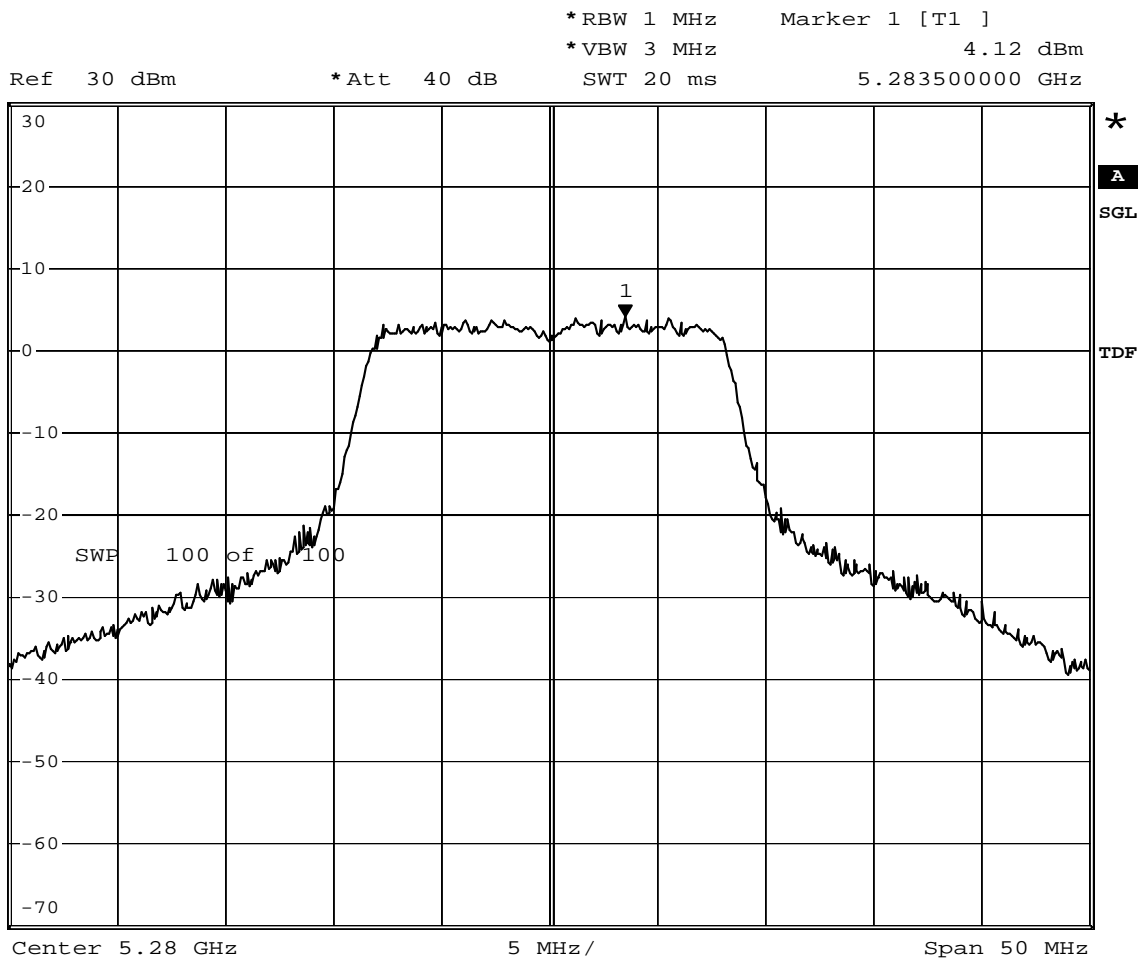
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5) Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel frequency: 5280 MHz
Comment 3	OFDM / 24 Mbit/s



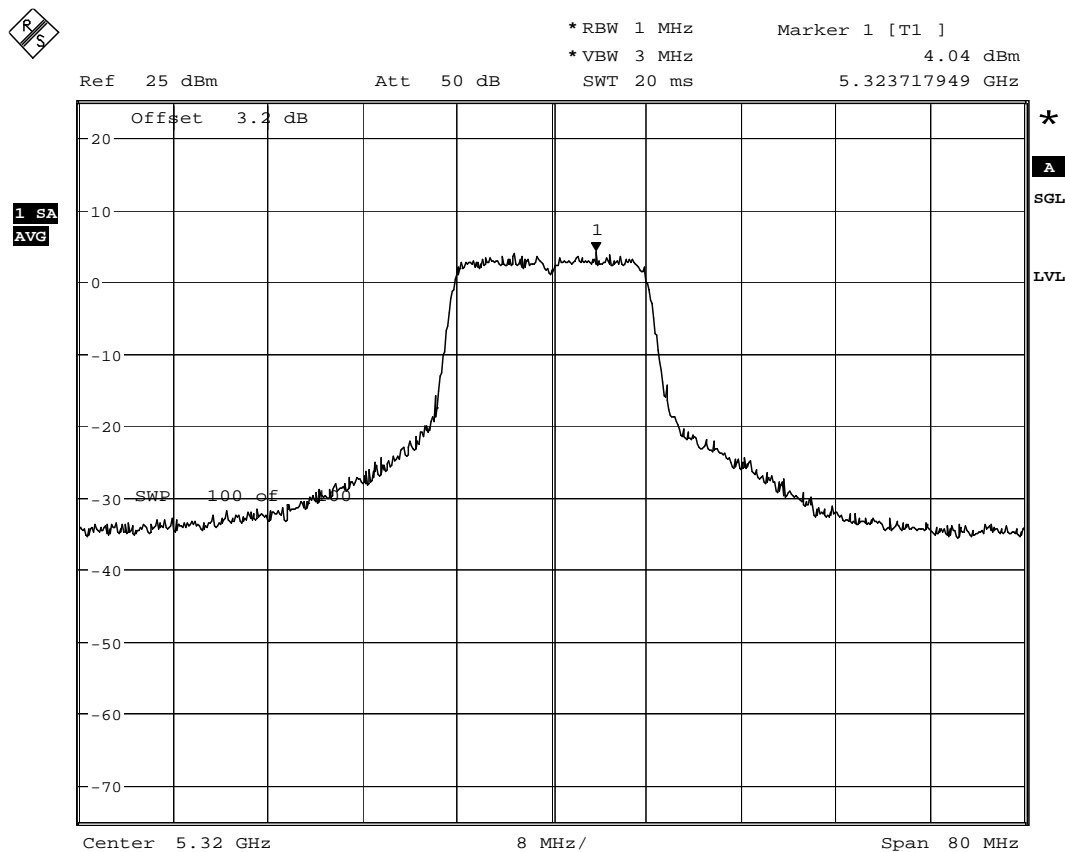
Comment: Peak Power Spectral Density (Method#2): 4.12 dBm at 5.284 GH
 Comment: z
 Date: 17.MAR.2008 10:35:26

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5320 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 4.04 dBm

Date: 30.JUL.2007 10:51:34

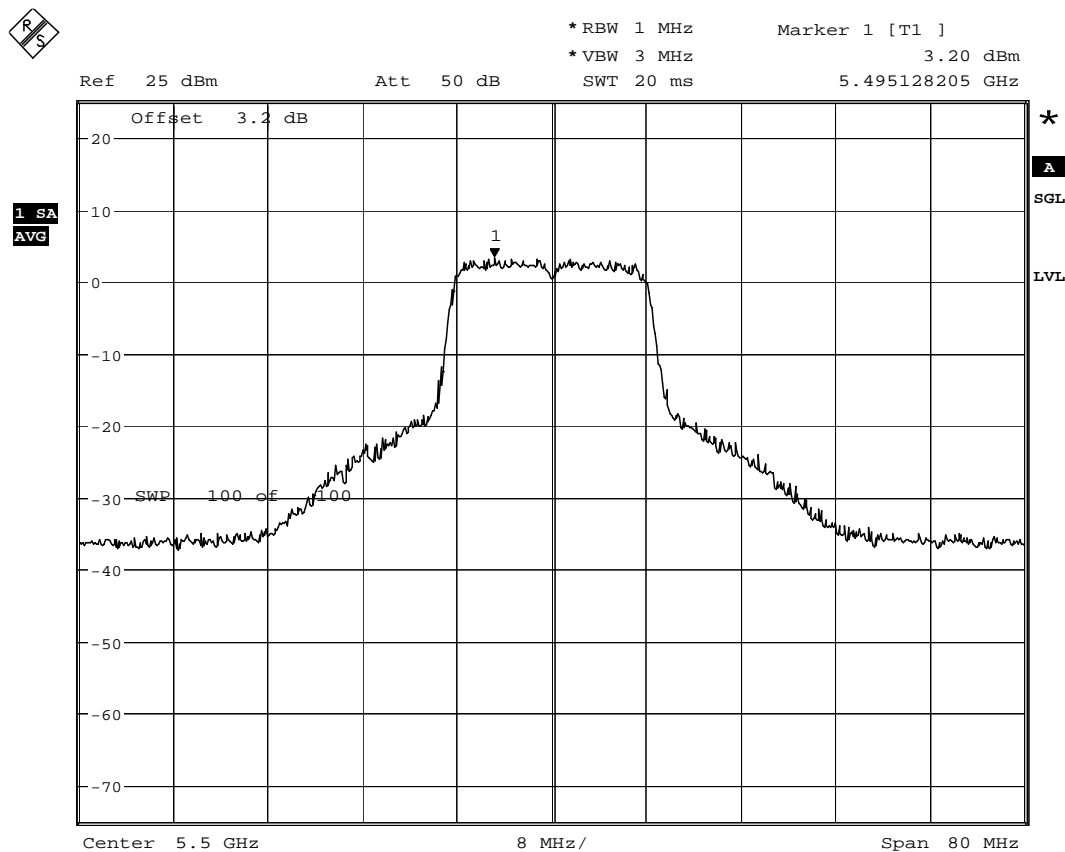
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5500 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 3.2 dBm

Date: 30.JUL.2007 10:53:44

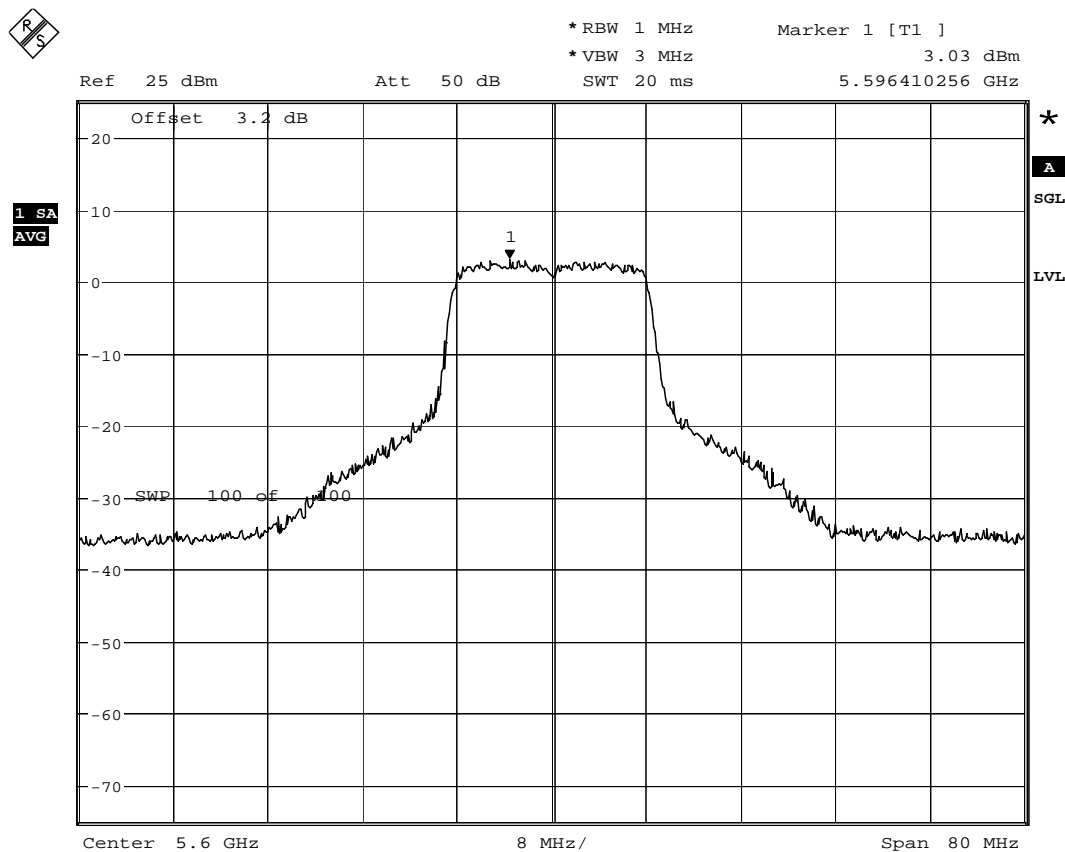
Measurement diagram

 ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5)**Peak Power Spectral Density**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5600 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 3.03 dBm

Date: 30.JUL.2007 11:04:09

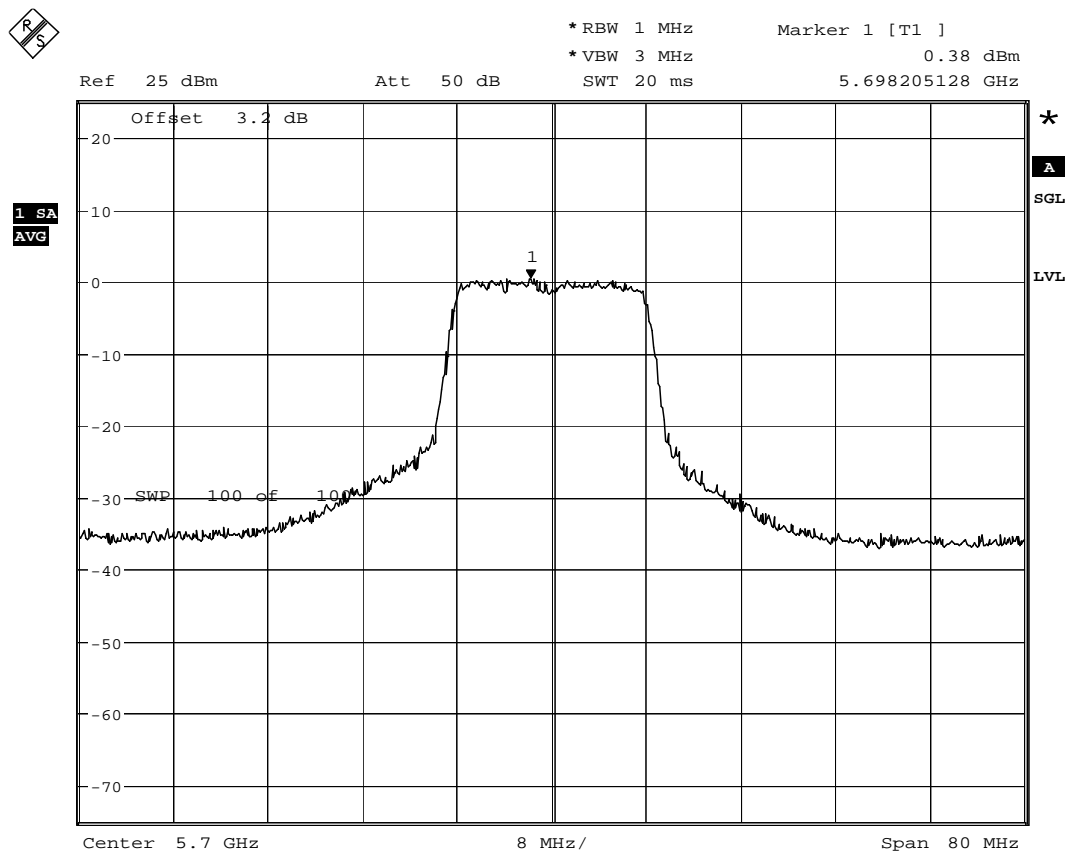
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5700 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 0.38 dBm

Date: 30.JUL.2007 11:05:58

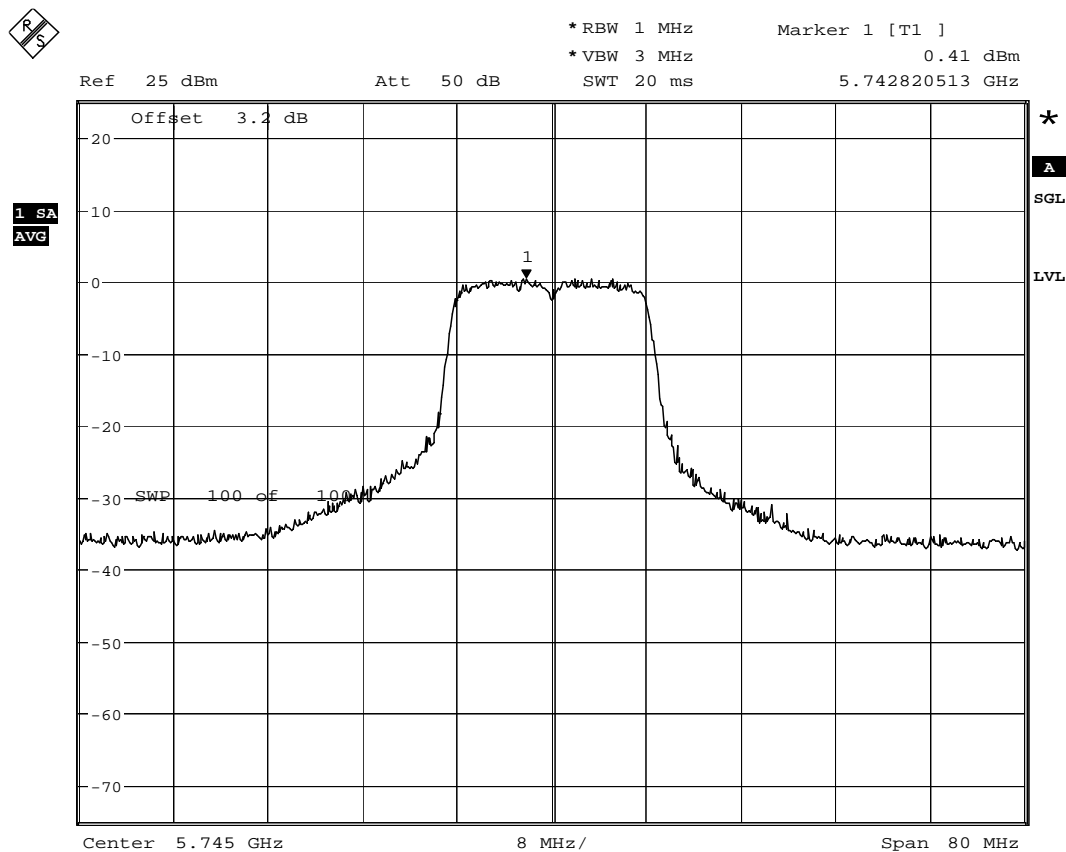
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5745 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): 0.41 dBm

Date: 30.JUL.2007 11:07:18

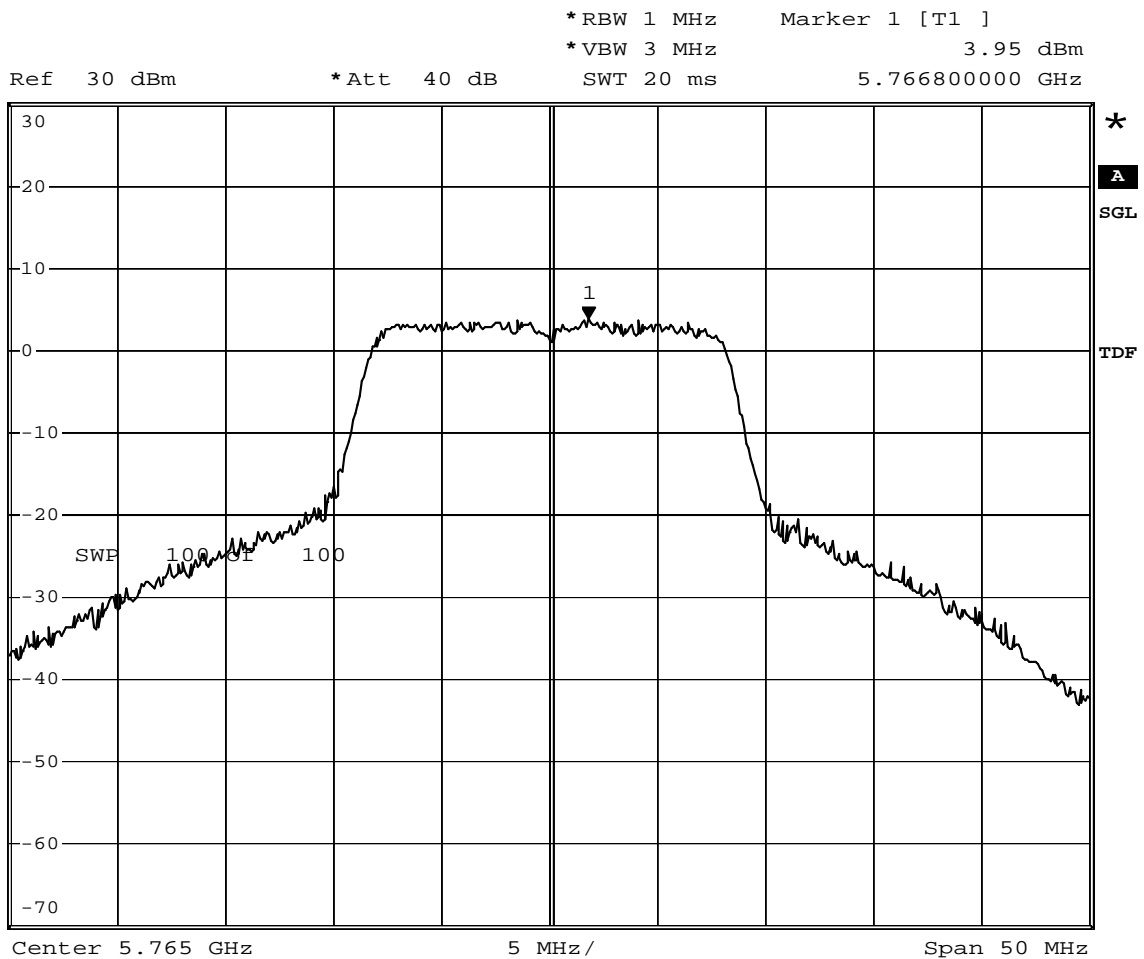
Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(1-5) Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel frequency: 5765 MHz
Comment 3	OFDM / 24 Mbit/s



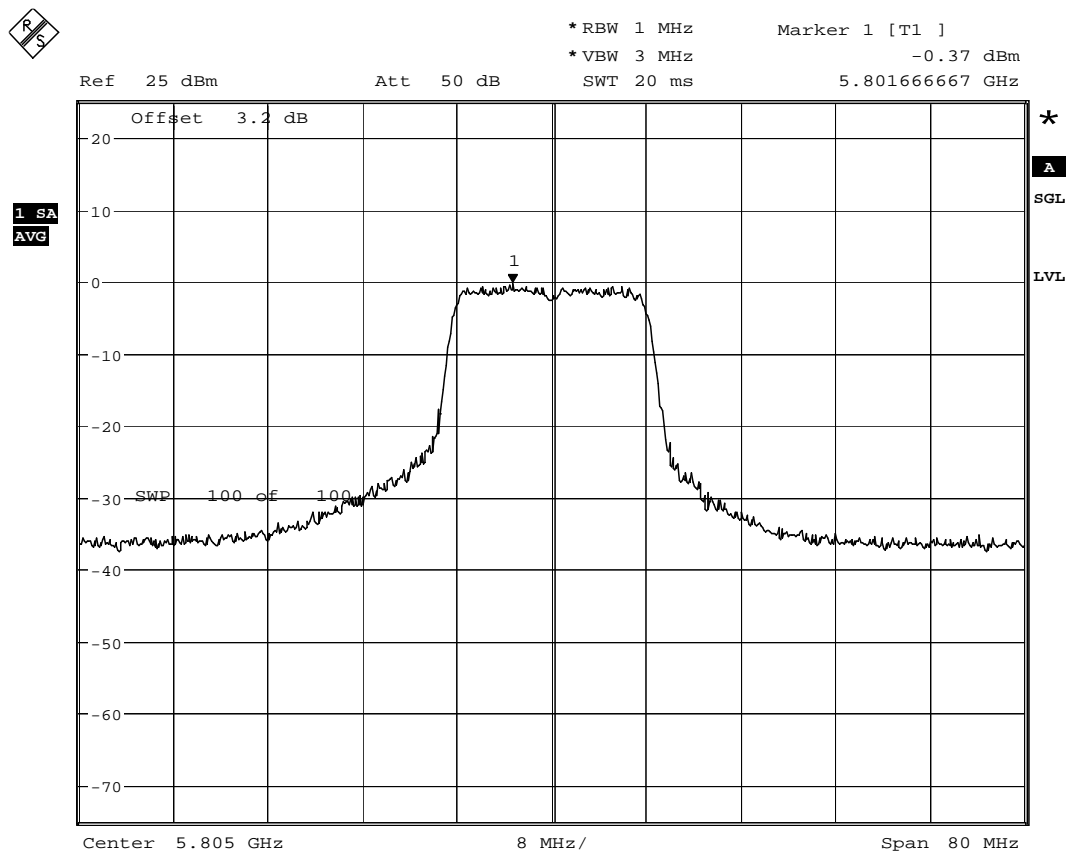
Comment: Peak Power Spectral Density (Method#2): 3.95 dBm at 5.767 GH
 Comment: z
 Date: 17.MAR.2008 10:40:07

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(1-5)
Peak Power Spectral Density

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(1-5) / DA 02-2138
Comment 1	Peak Power Spectral Density (Method #2)
Comment 2	Channel : 5805 MHz
Comment 3	OFDM / 24 Mbit/s



Peak Power Spectral Density (Method#2): -0.37 dBm

Date: 30.JUL.2007 11:08:47

Measurement diagram

ETS Product Service AG
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

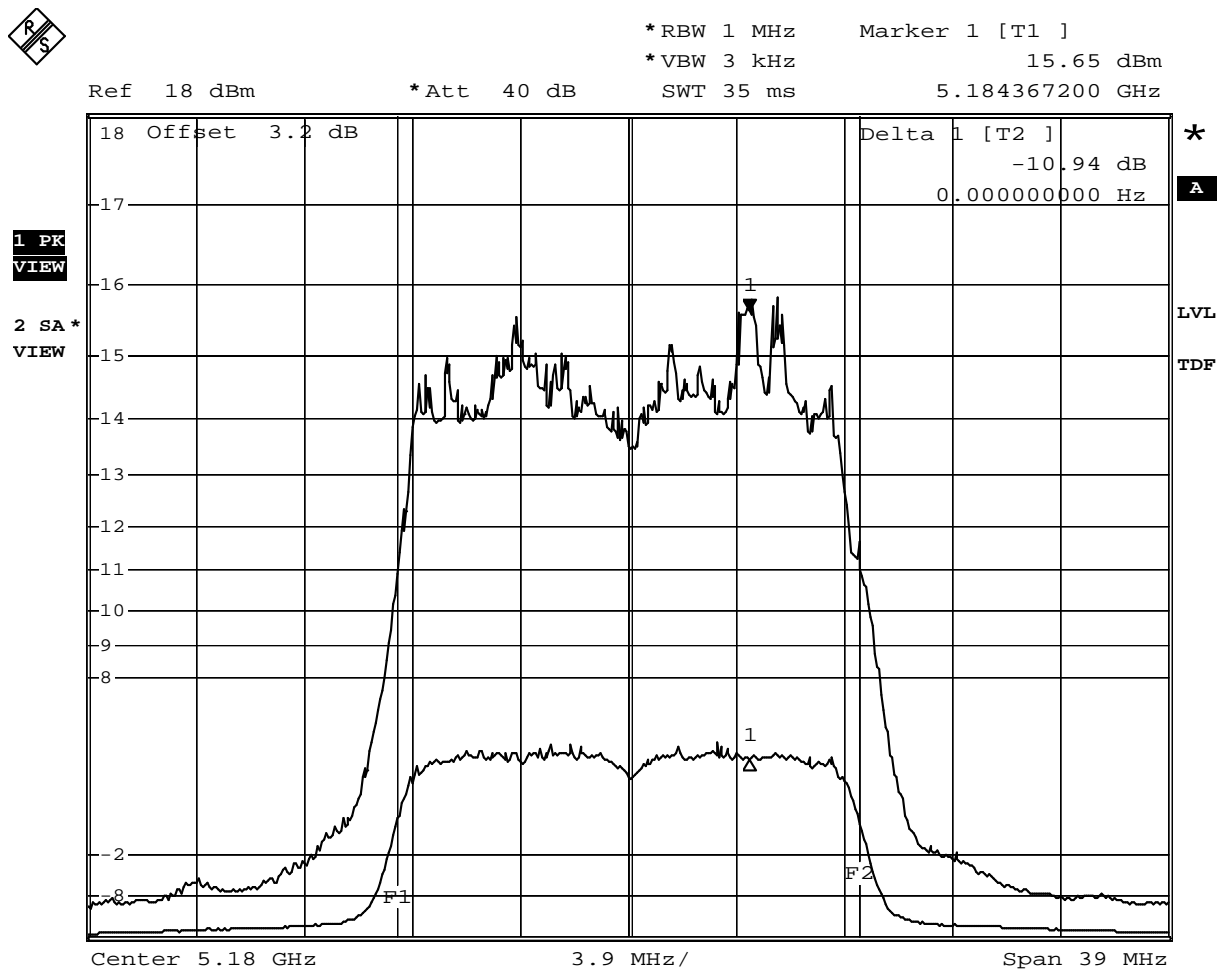
Page 1 of 1

Annex E

Peak Excursion of the modulation

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5180 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=10.94 dB

Date: 27.AUG.2007 14:00:43

Measurement diagram

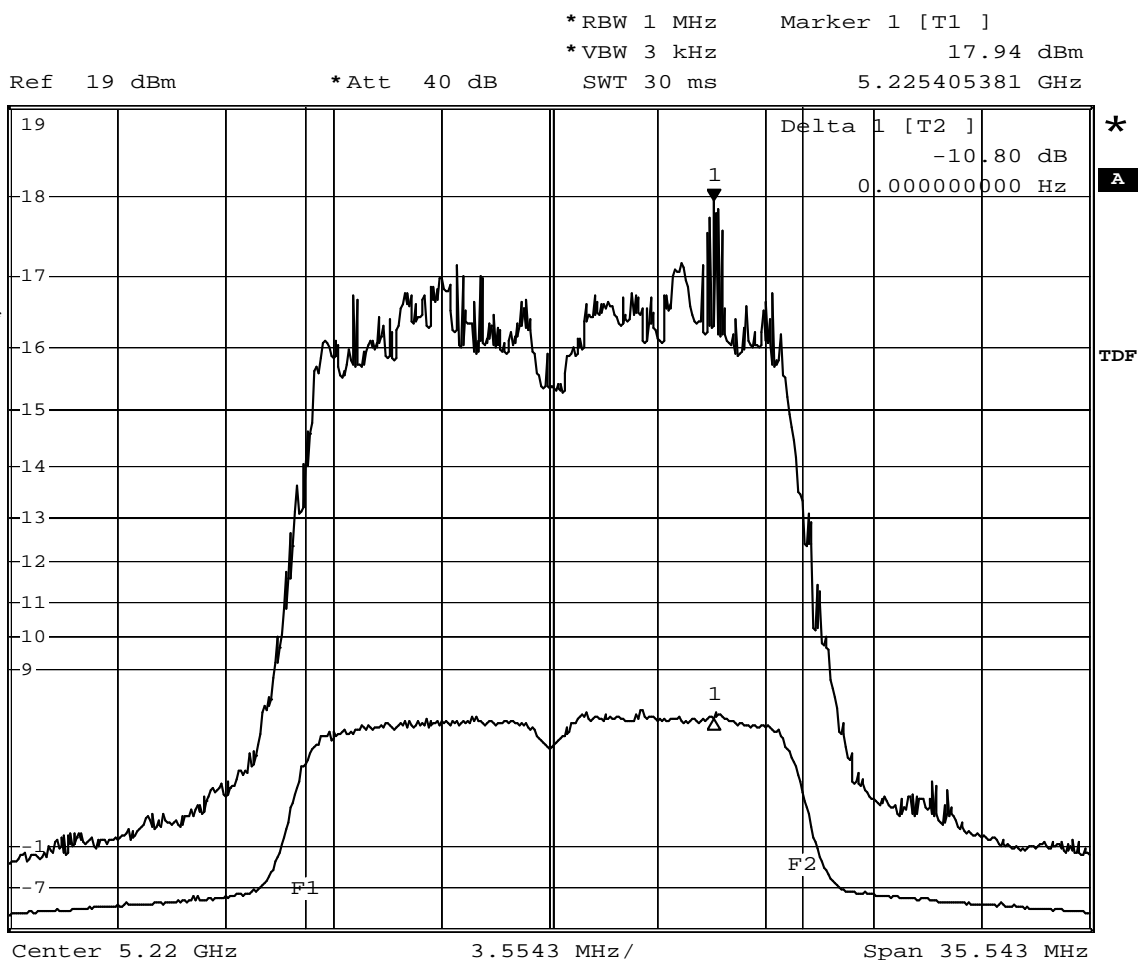
ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(6) Peak Excursion of the Modulation

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel frequency: 5220 MHz
Comment 3	OFDM / 24 Mbit/s



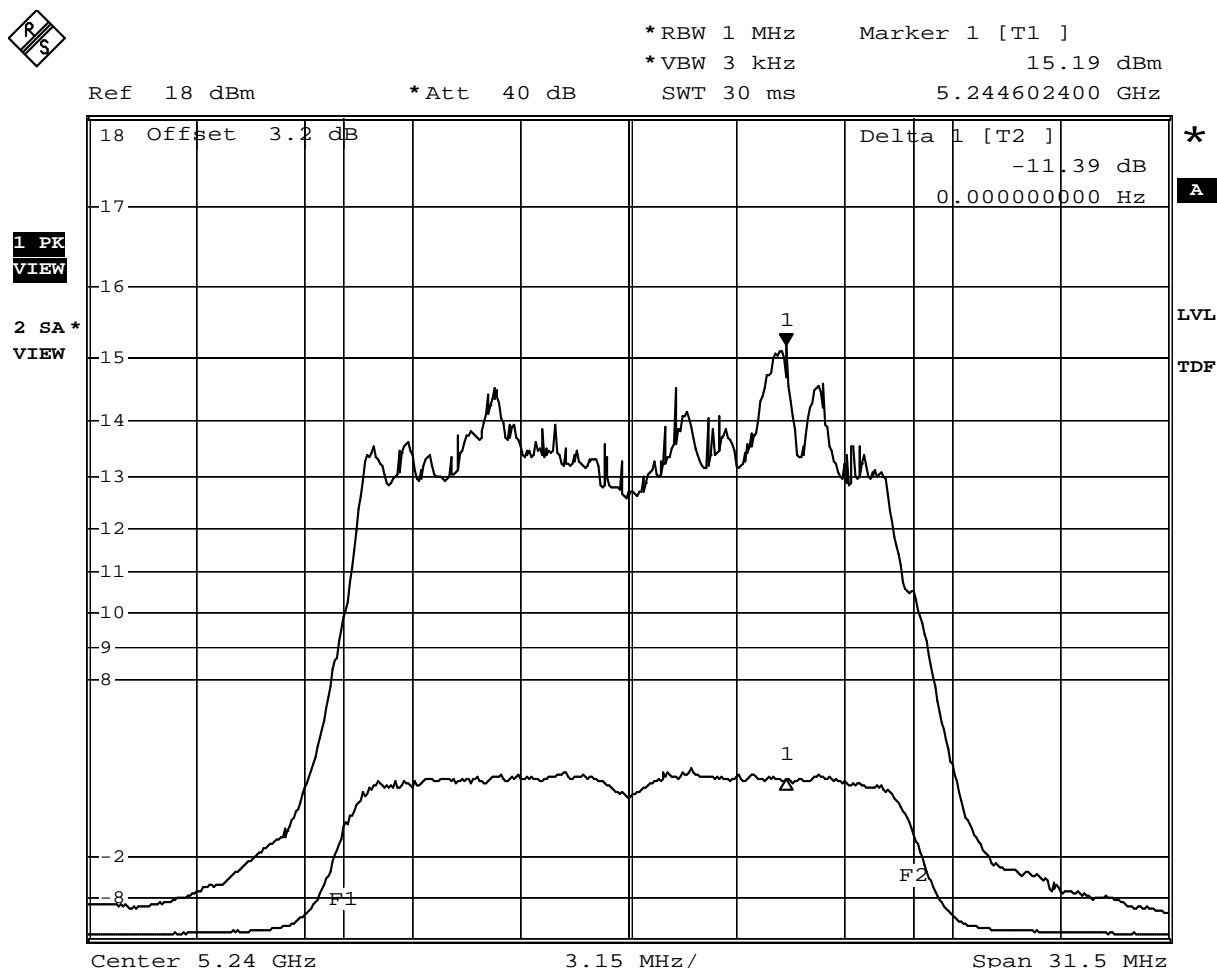
Comment: Maximum peak excursion (method #2)=10.8 dB
 Date: 17.MAR.2008 10:49:51

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5240 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=11.39 dB

Date: 27.AUG.2007 13:54:24

Measurement diagram

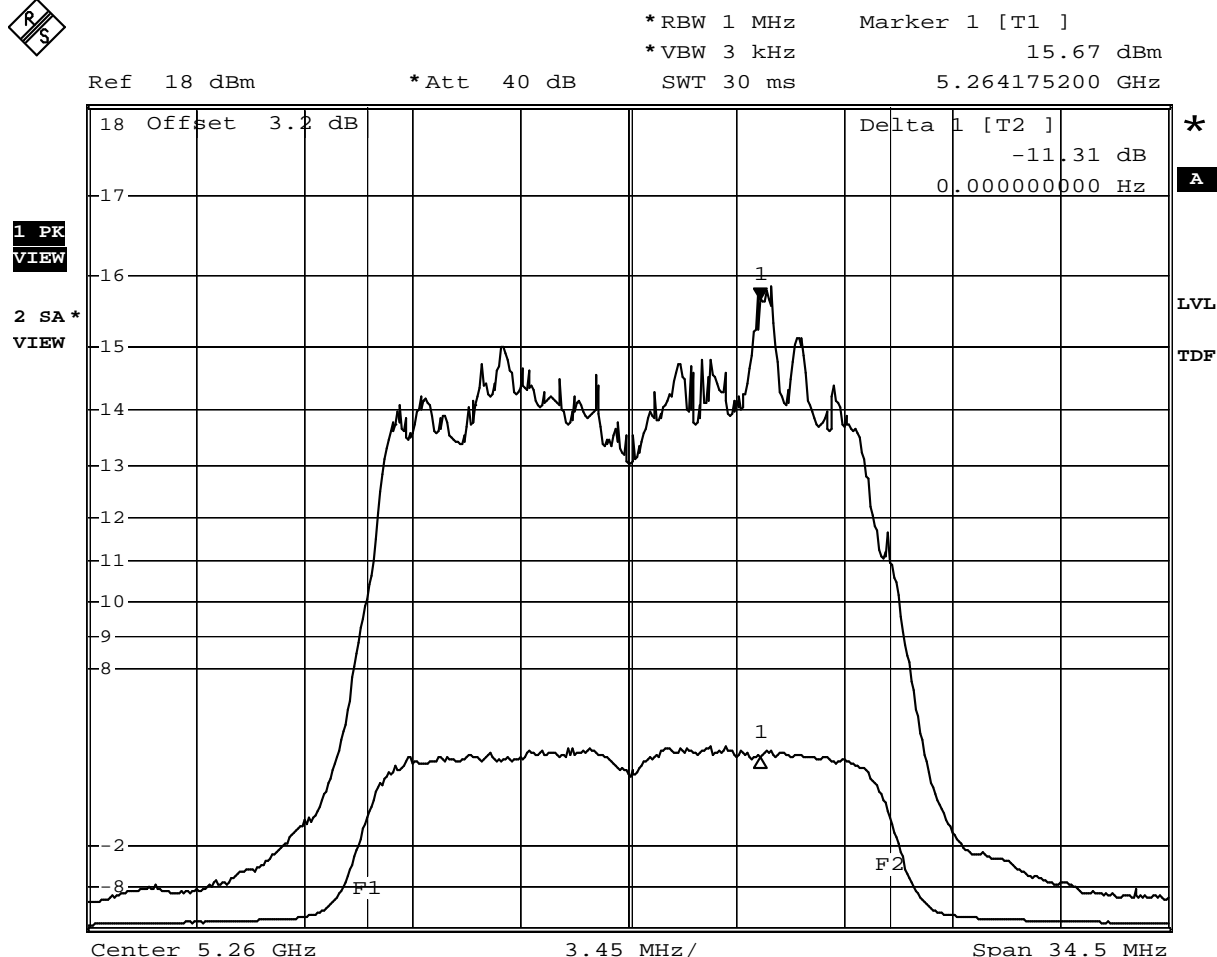
ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5260 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=11.31 dB

Date: 27.AUG.2007 13:50:40

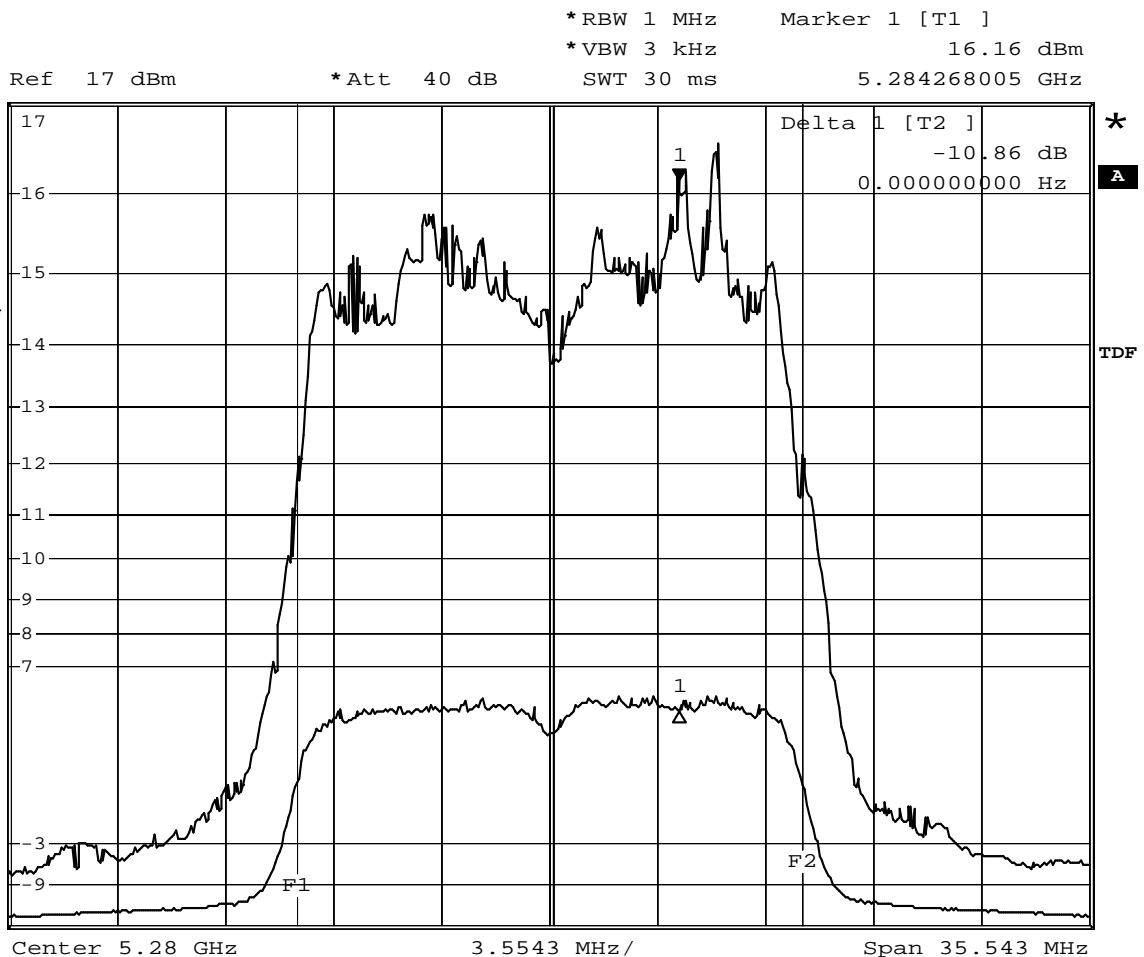
Measurement diagram

ETS Product Service AG
 Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(6) Peak Excursion of the Modulation

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel frequency: 5280 MHz
Comment 3	OFDM / 24 Mbit/s



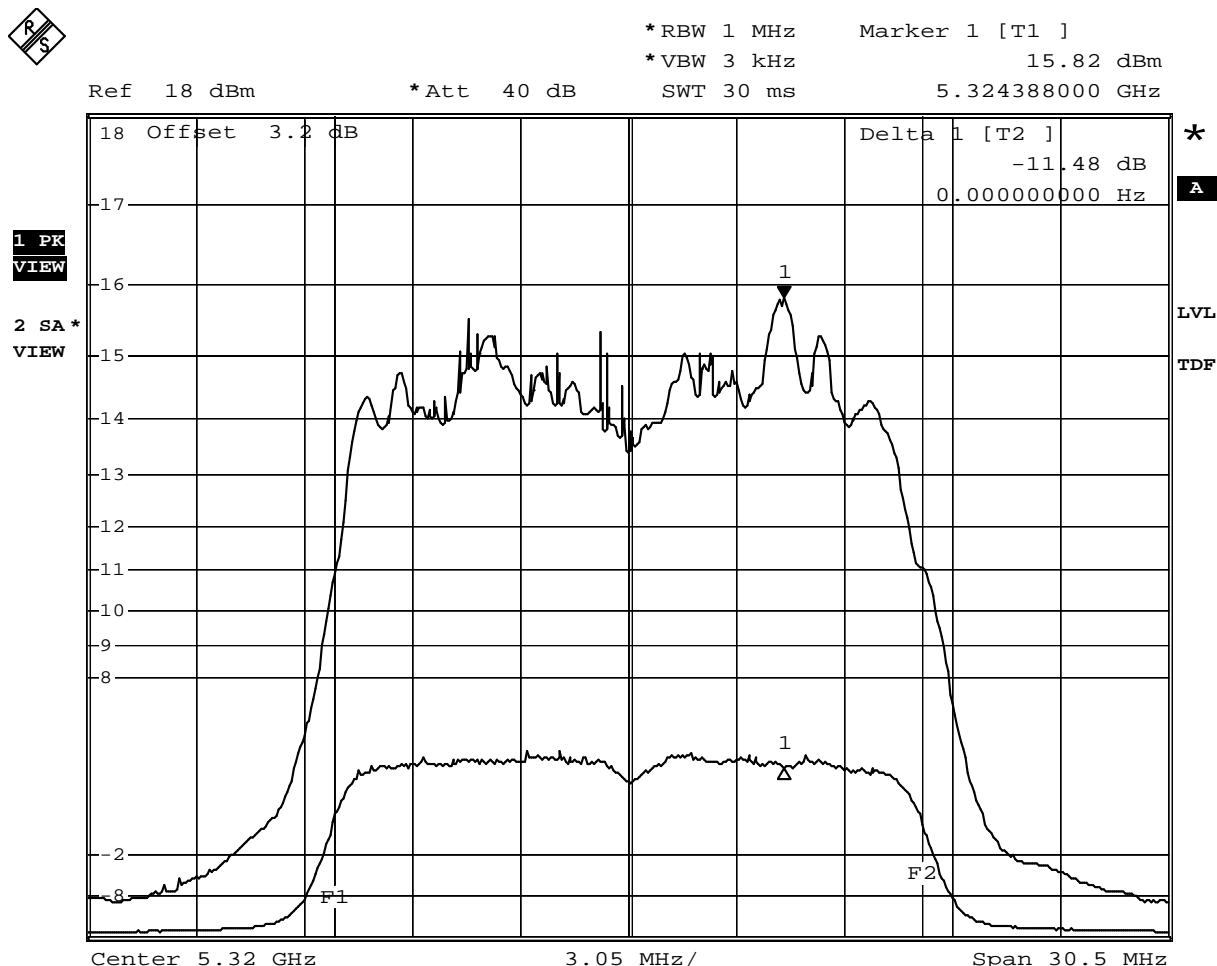
Comment: Maximum peak excursion (method #2)=10.86 dB
 Date: 17.MAR.2008 10:57:05

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5320 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=11.48 dB

Date: 27.AUG.2007 13:44:33

Measurement diagram

ETS Product Service AG

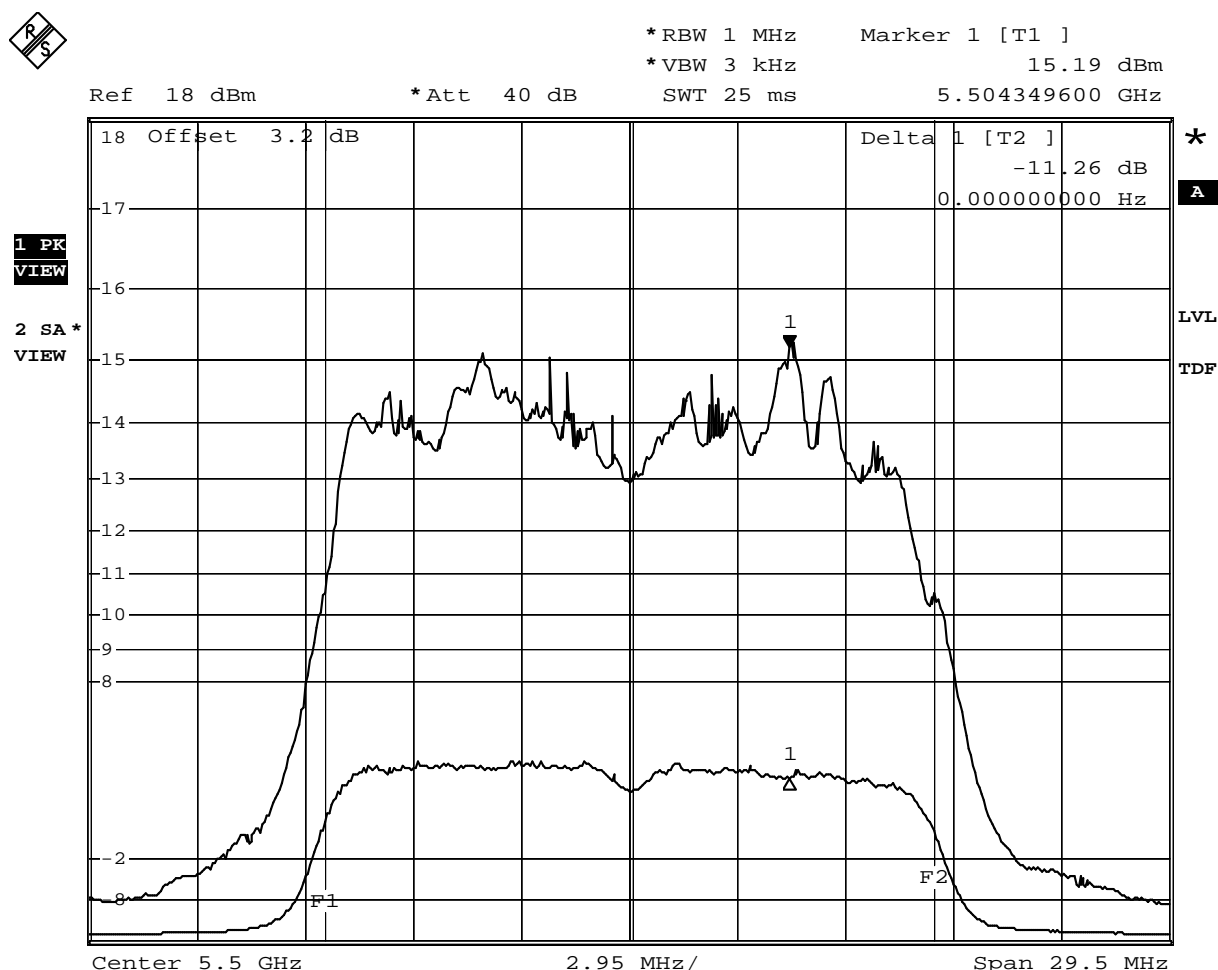
Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(6)

Peak Excursion of the Modulation

EUT Model	Mobile Panel for Industry Automation
Approval Holder	Mobile Panel 277 Wireless
Temperature / Voltage	Siemens AG
Test Site / Operator	23°C / Vnom
Test Specification	ETS Product Service AG
Comment 1	FCC part 15.407(a)(6) / DA 02-2138
Comment 2	Peak Excursion of the Modulation (Method #2)
Comment 3	Channel : 5500 MHz
	OFDM / 24 Mbit/s

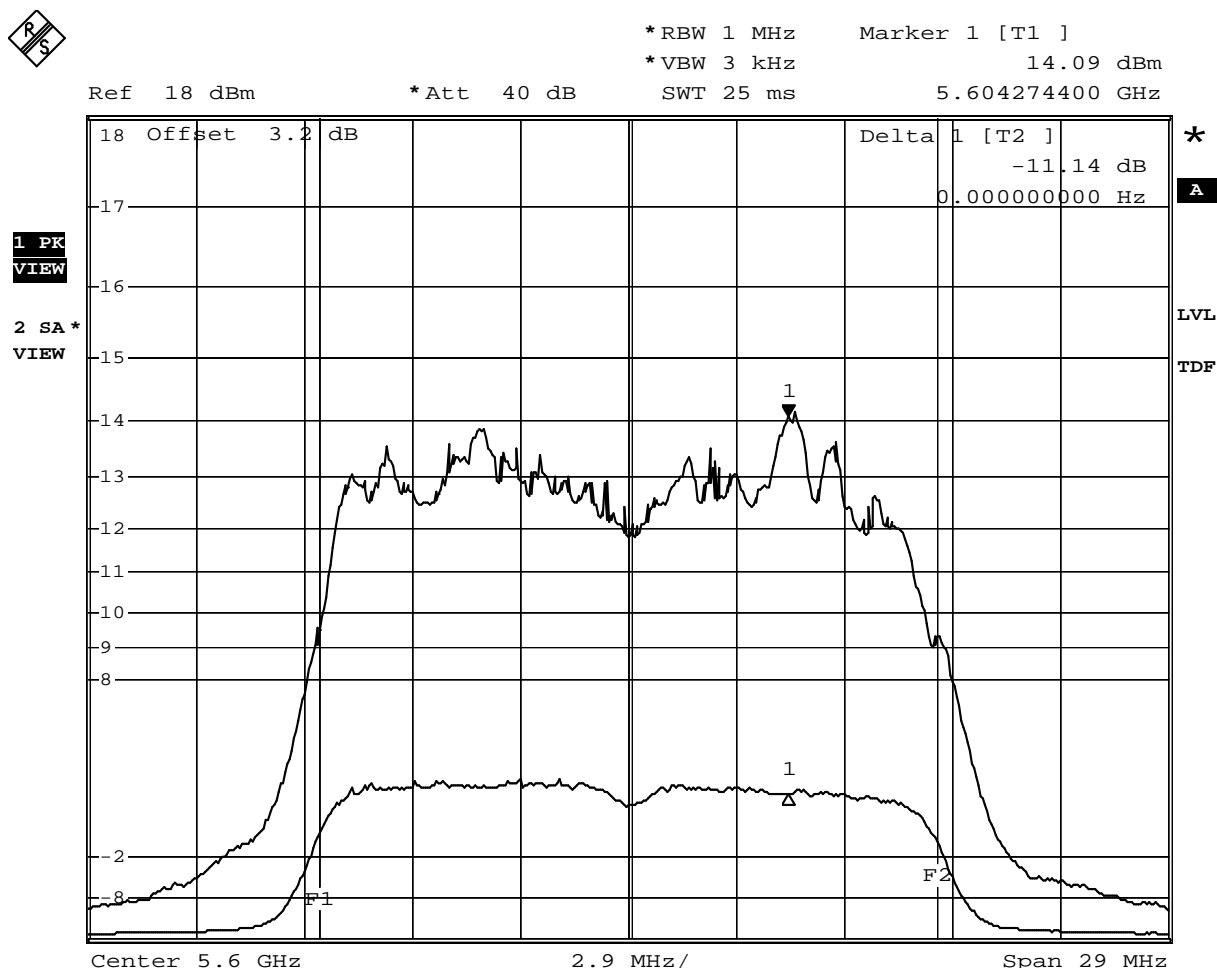


Comment: Maximum peak excursion (method #2)=11.26 dB

Date: 27.AUG.2007 13:31:13

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5600 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=11.14 dB

Date: 27.AUG.2007 13:26:35

Measurement diagram

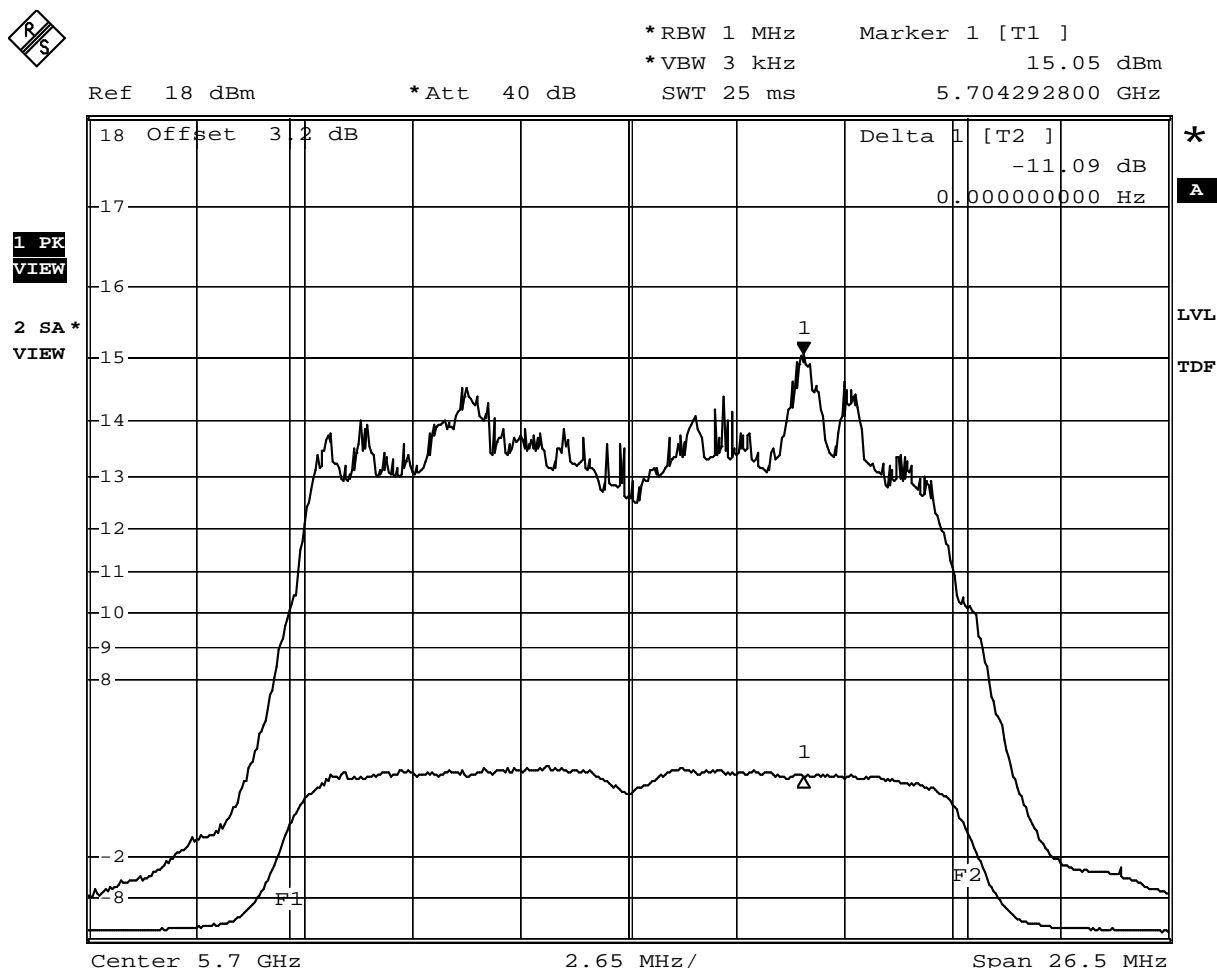
ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5700 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=11.09 dB

Date: 27.AUG.2007 13:22:51

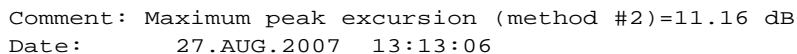
Measurement diagram

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

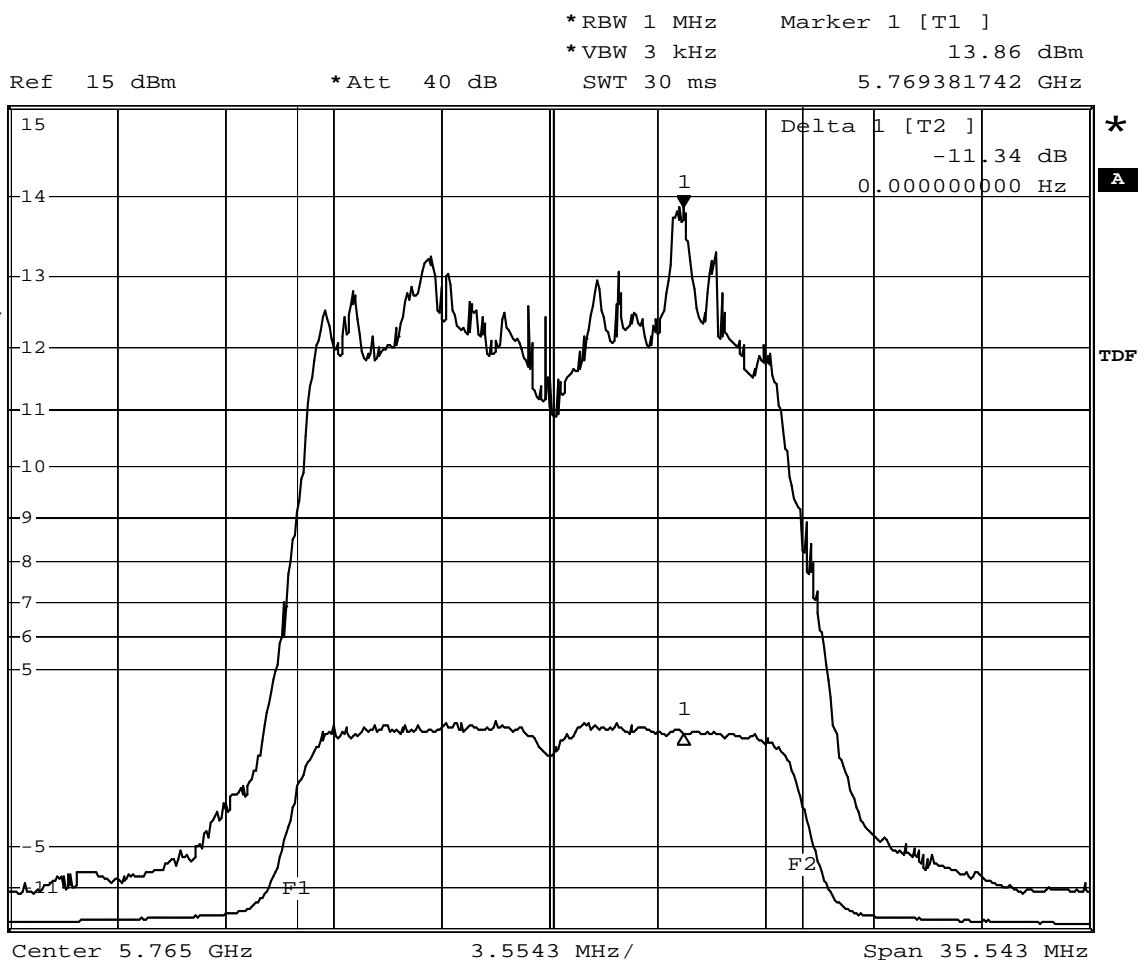
Page 1 of 1

EUT Model	Mobile Panel for Industry Automation
Approval Holder	Mobile Panel 277 Wireless
Temperature / Voltage	Siemens AG
Test Site / Operator	23°C / Vnom
Test Specification	ETS Product Service AG
Comment 1	FCC part 15.407(a)(6) / DA 02-2138
Comment 2	Peak Excursion of the Modulation (Method #2)
Comment 3	Channel : 5745 MHz
	OFDM / 24 Mbit/s



FCC part 15.407(a)(6) Peak Excursion of the Modulation

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel frequency: 5765 MHz
Comment 3	OFDM / 24 Mbit/s



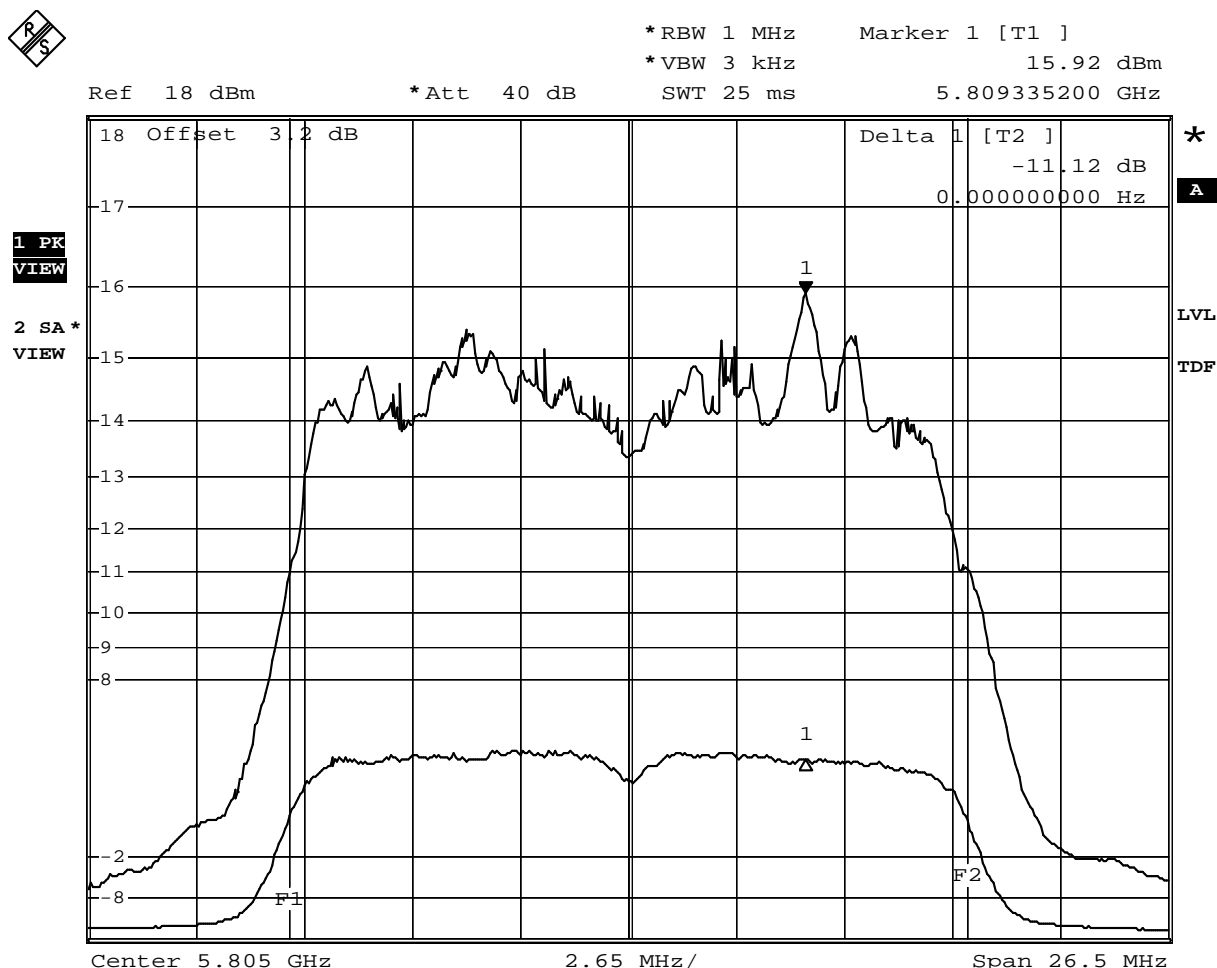
Comment: Maximum peak excursion (method #2)=11.34 dB
 Date: 17.MAR.2008 11:34:22

Measurement diagram

Eurofins ETS Product Service GmbH
 Storkower Str. 38c, D-15526 Reichenwalde, Germany

FCC part 15.407(a)(6)**Peak Excursion of the Modulation**

EUT	Mobile Panel for Industry Automation
Model	Mobile Panel 277 Wireless
Approval Holder	Siemens AG
Temperature / Voltage	23°C / Vnom
Test Site / Operator	ETS Product Service AG
Test Specification	FCC part 15.407(a)(6) / DA 02-2138
Comment 1	Peak Excursion of the Modulation (Method #2)
Comment 2	Channel : 5805 MHz
Comment 3	OFDM / 24 Mbit/s



Comment: Maximum peak excursion (method #2)=11.12 dB

Date: 27.AUG.2007 13:01:24

Measurement diagram

ETS Product Service AG

Storkower Str. 38C, D-15526 REICHENWALDE B. BERLIN

Page 1 of 1

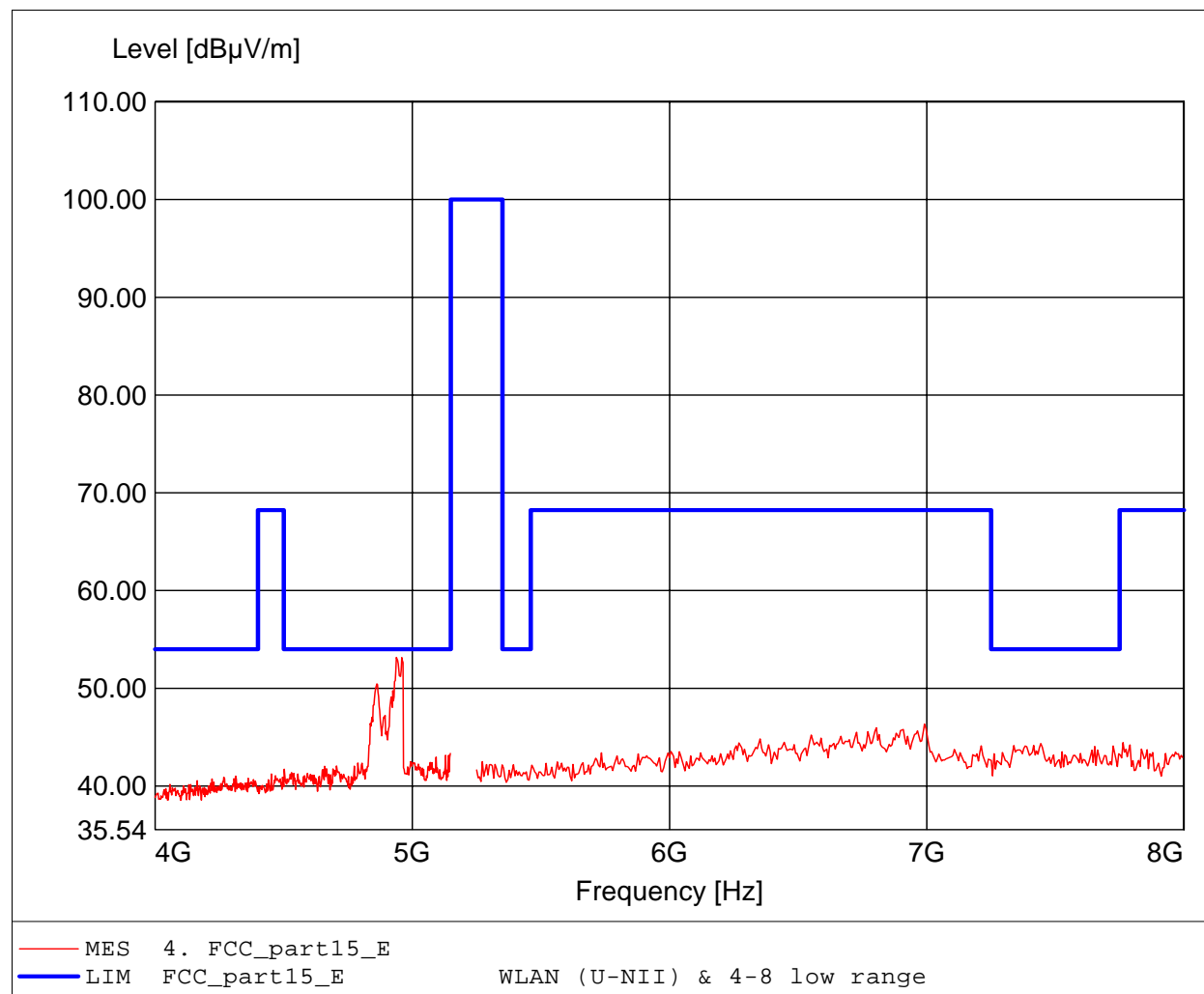
Annex F

Spurious emission radiated

Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

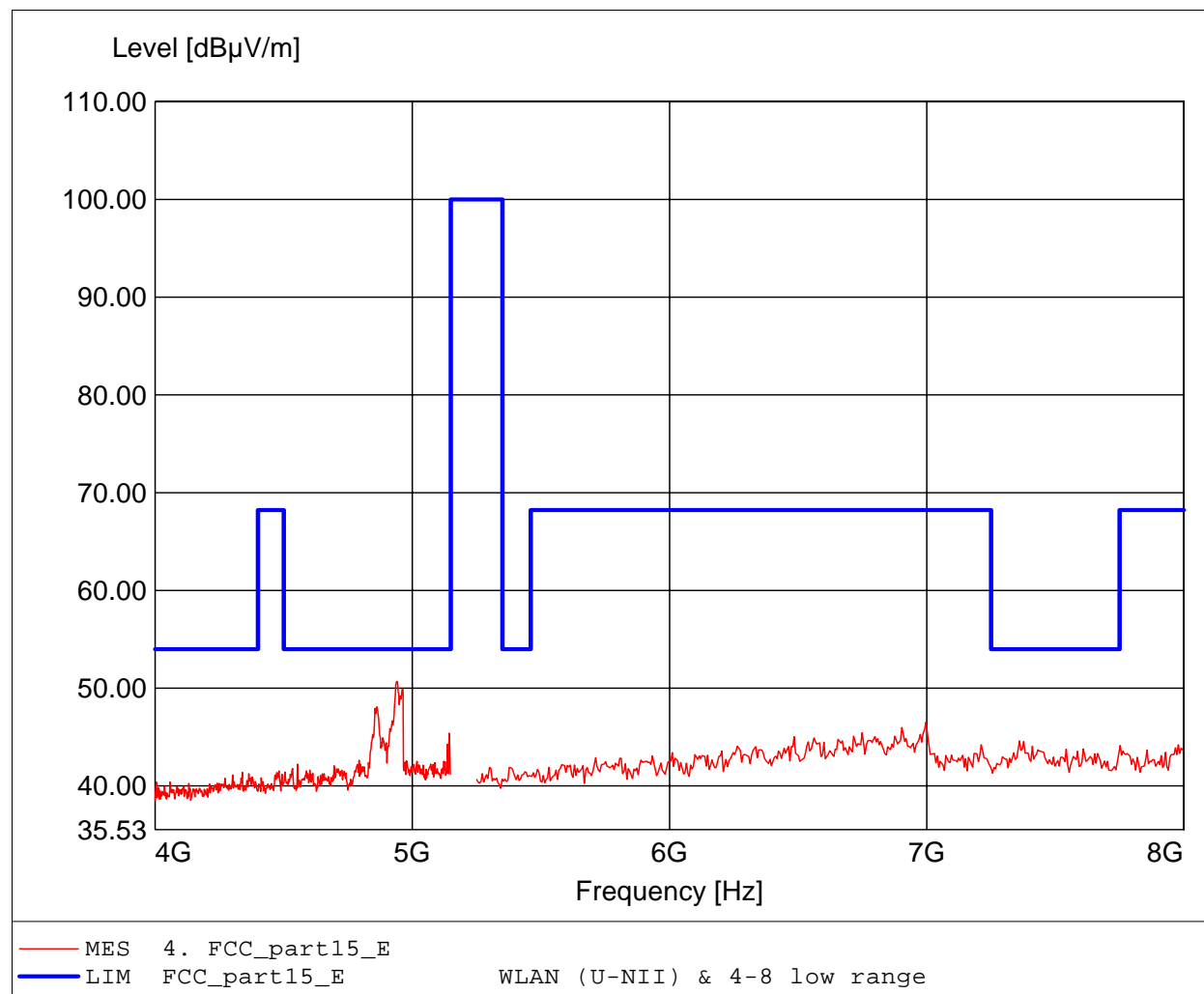
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.938GHz, Emax: 53.16dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

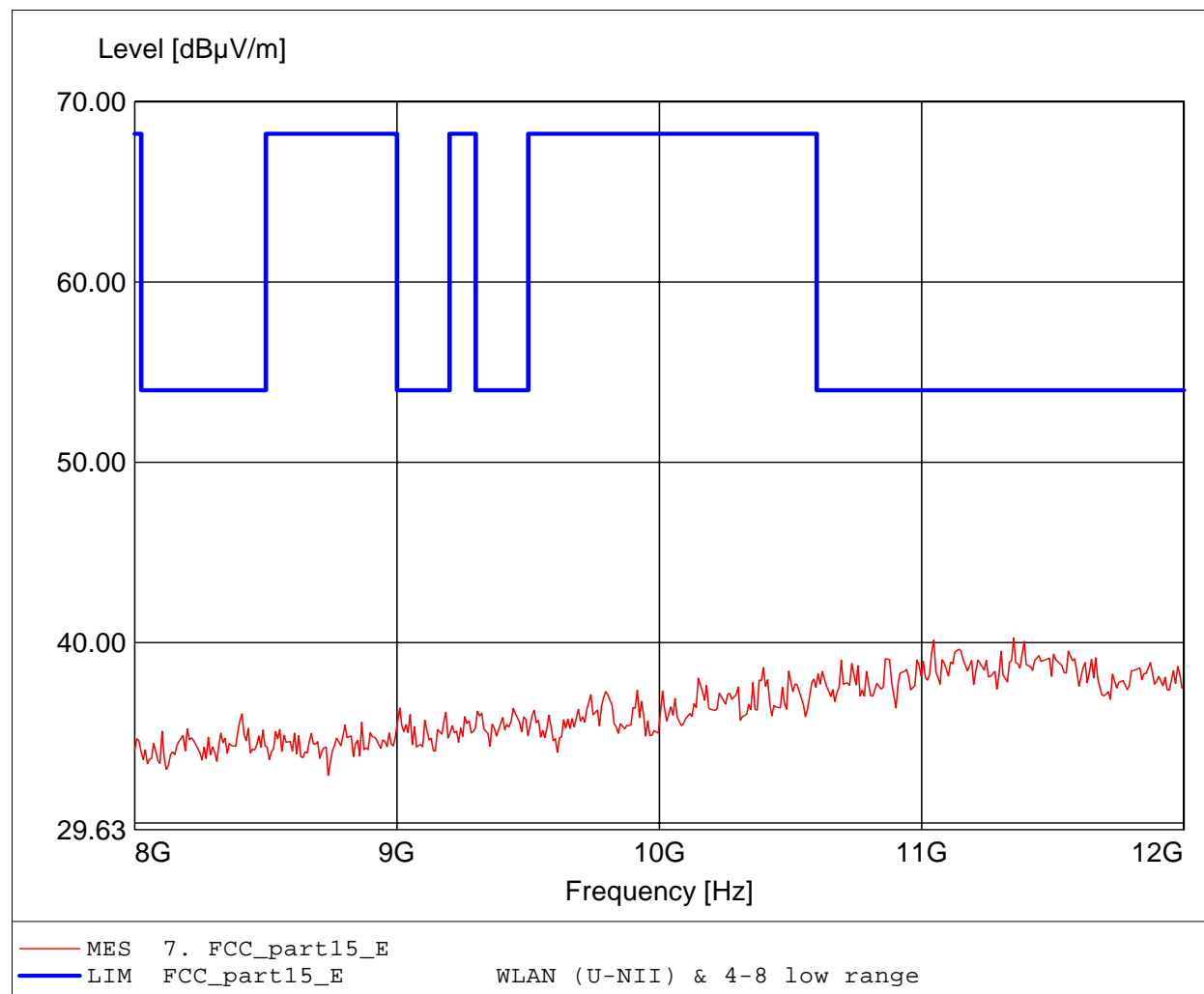
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.940GHz, Emax: 50.70dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

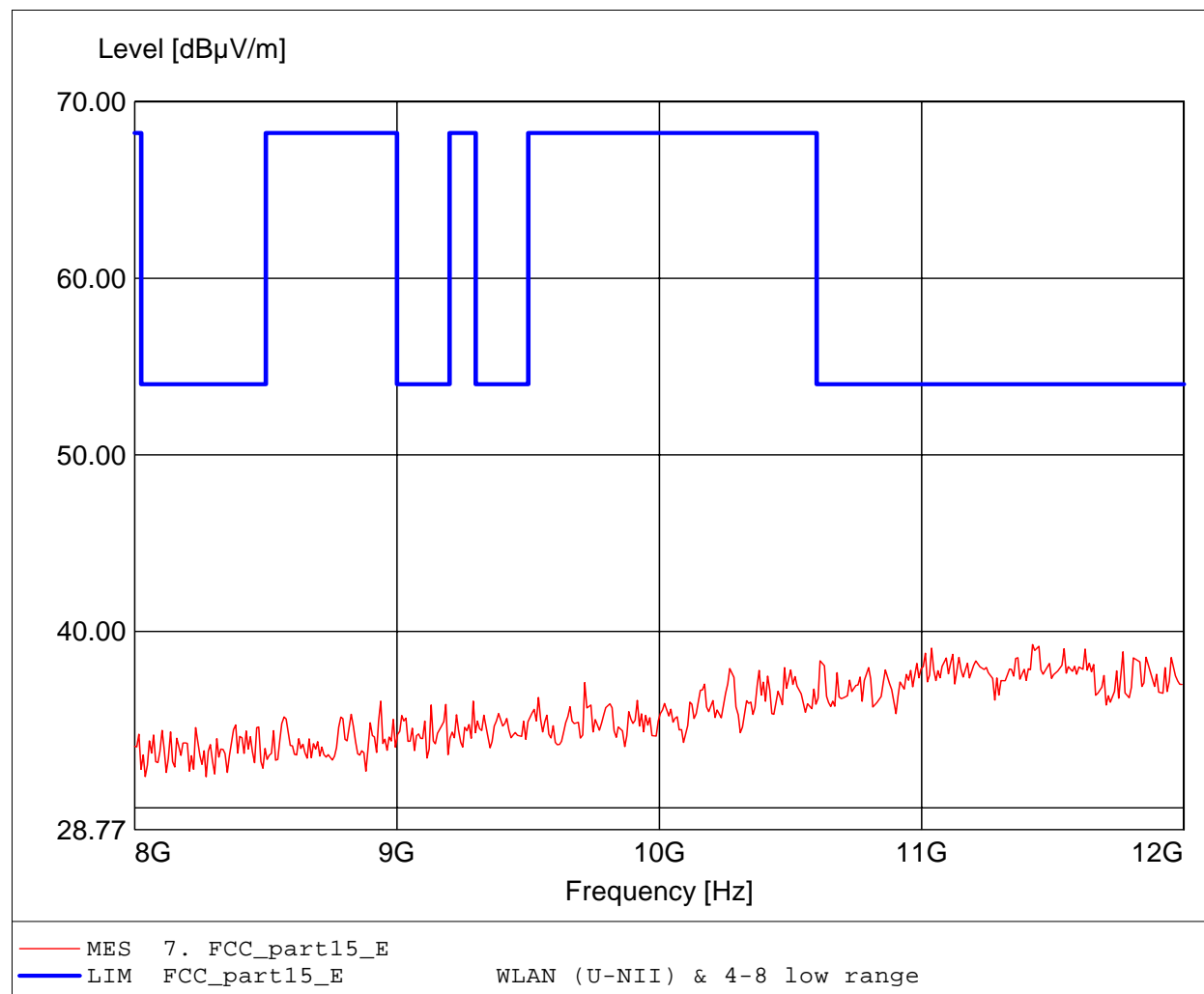
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.351GHz, Emax: 40.27dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

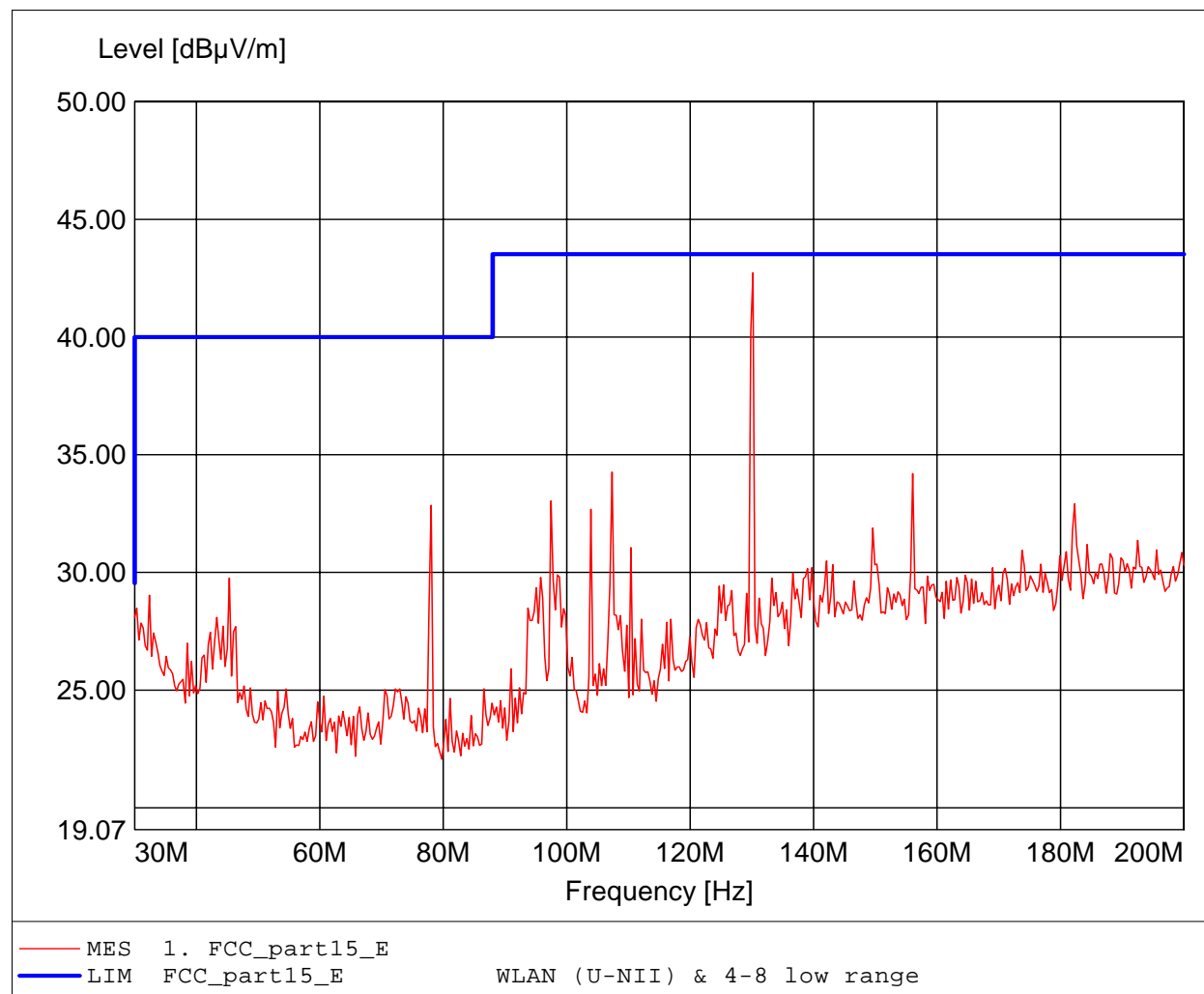
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.423GHz, Emax: 39.25dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

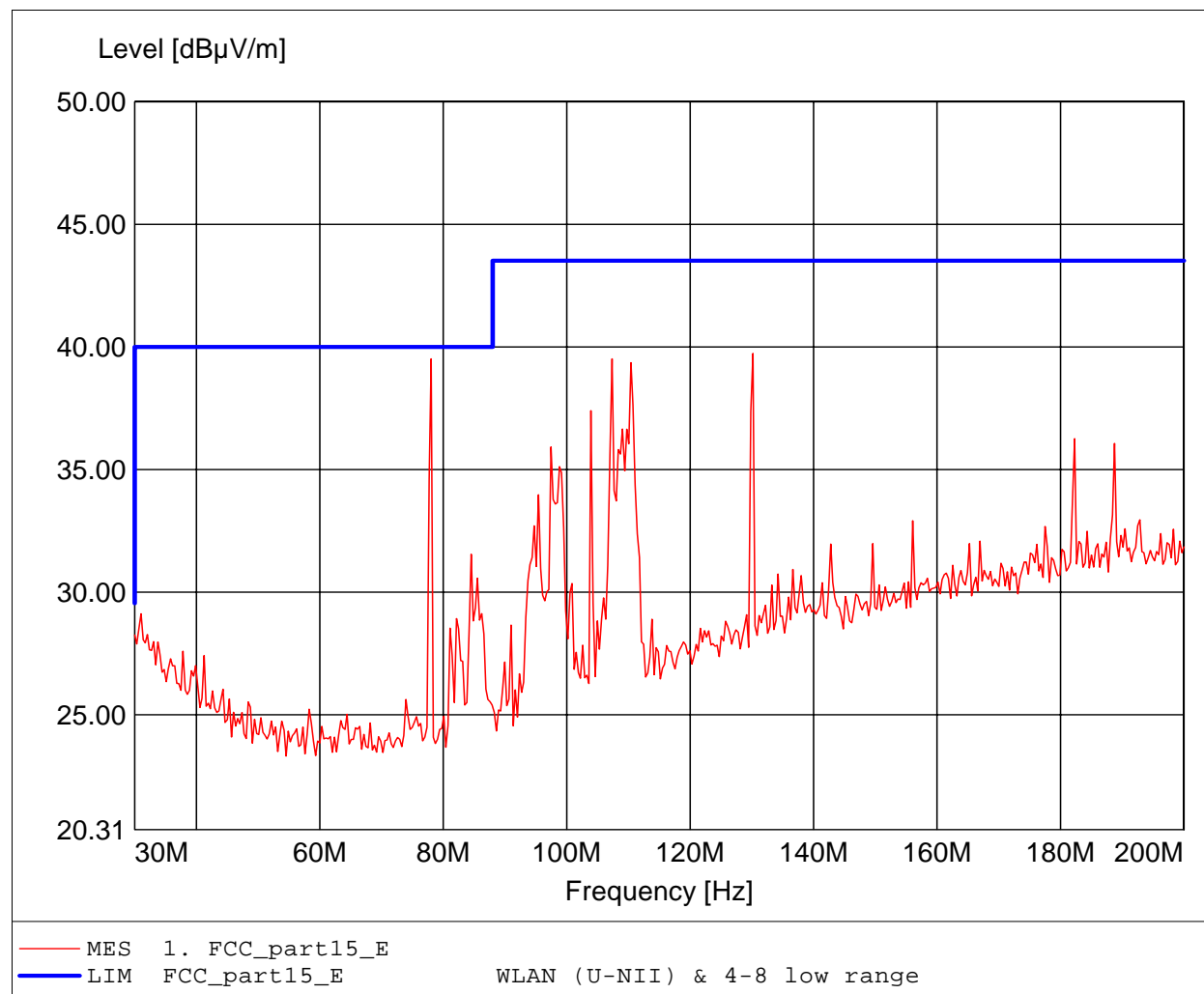
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 130.160MHz, Emax: 42.74dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

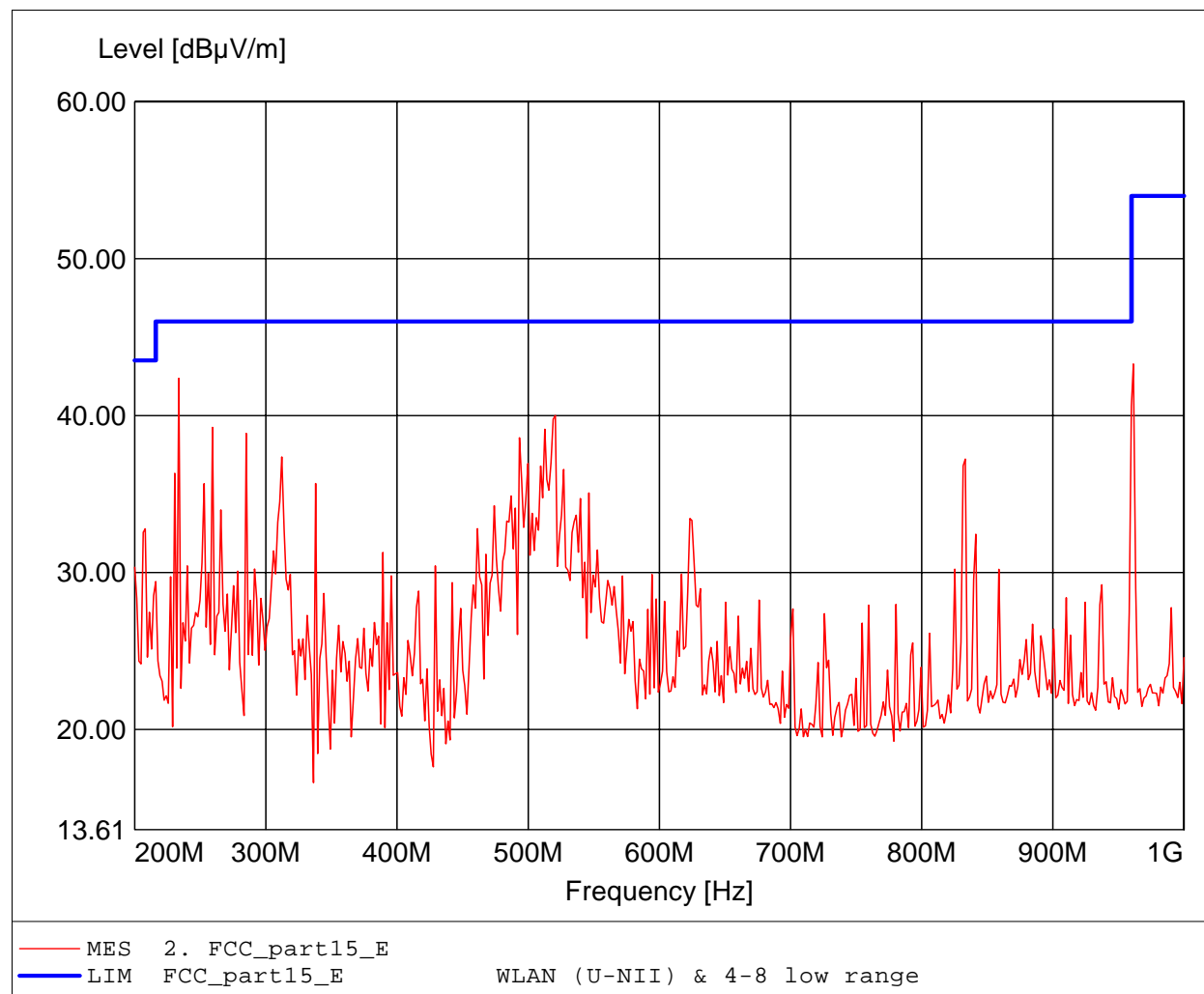
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 130.160MHz, Emax: 39.73dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

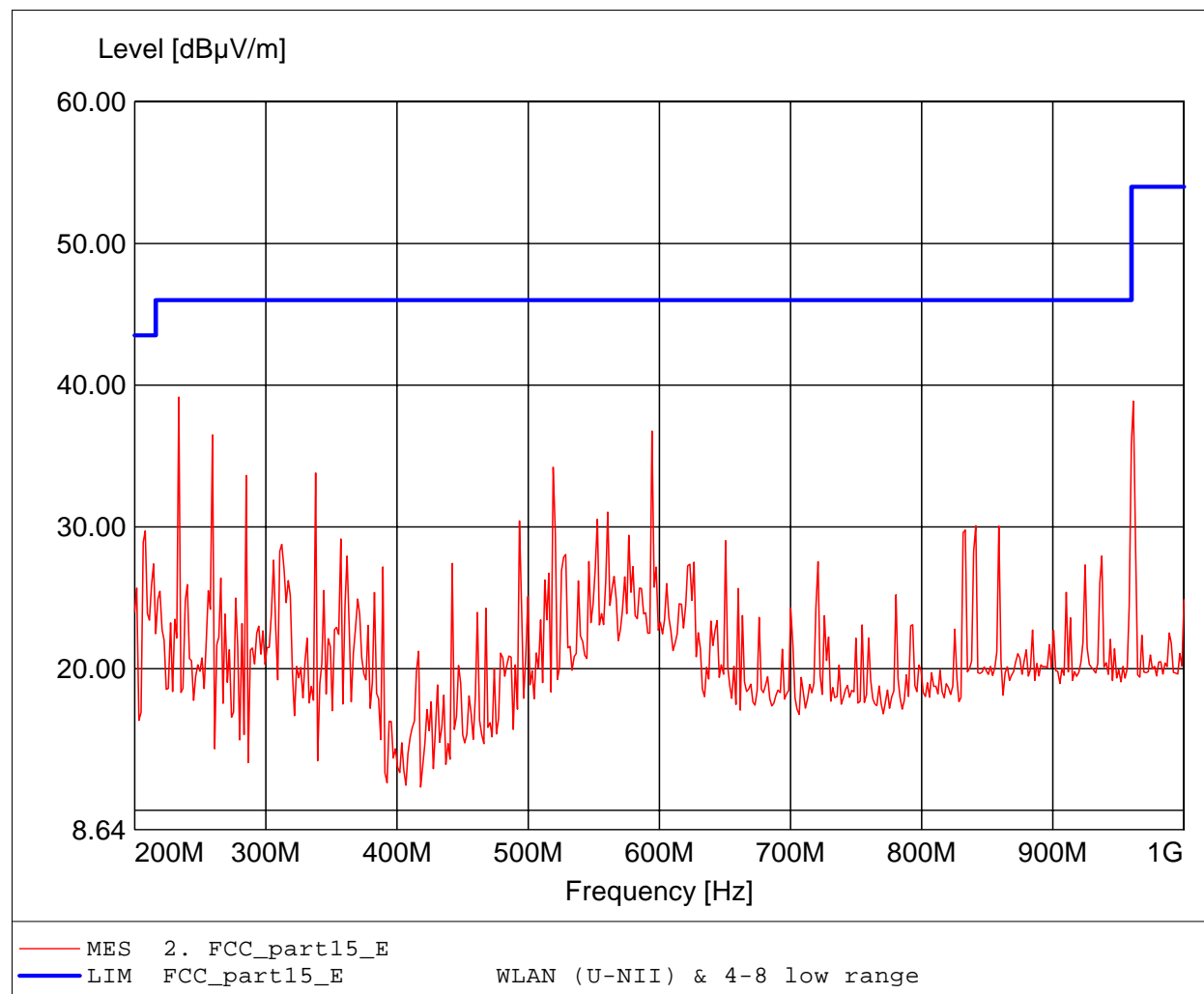
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 961.523MHz, Emax: 43.29dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

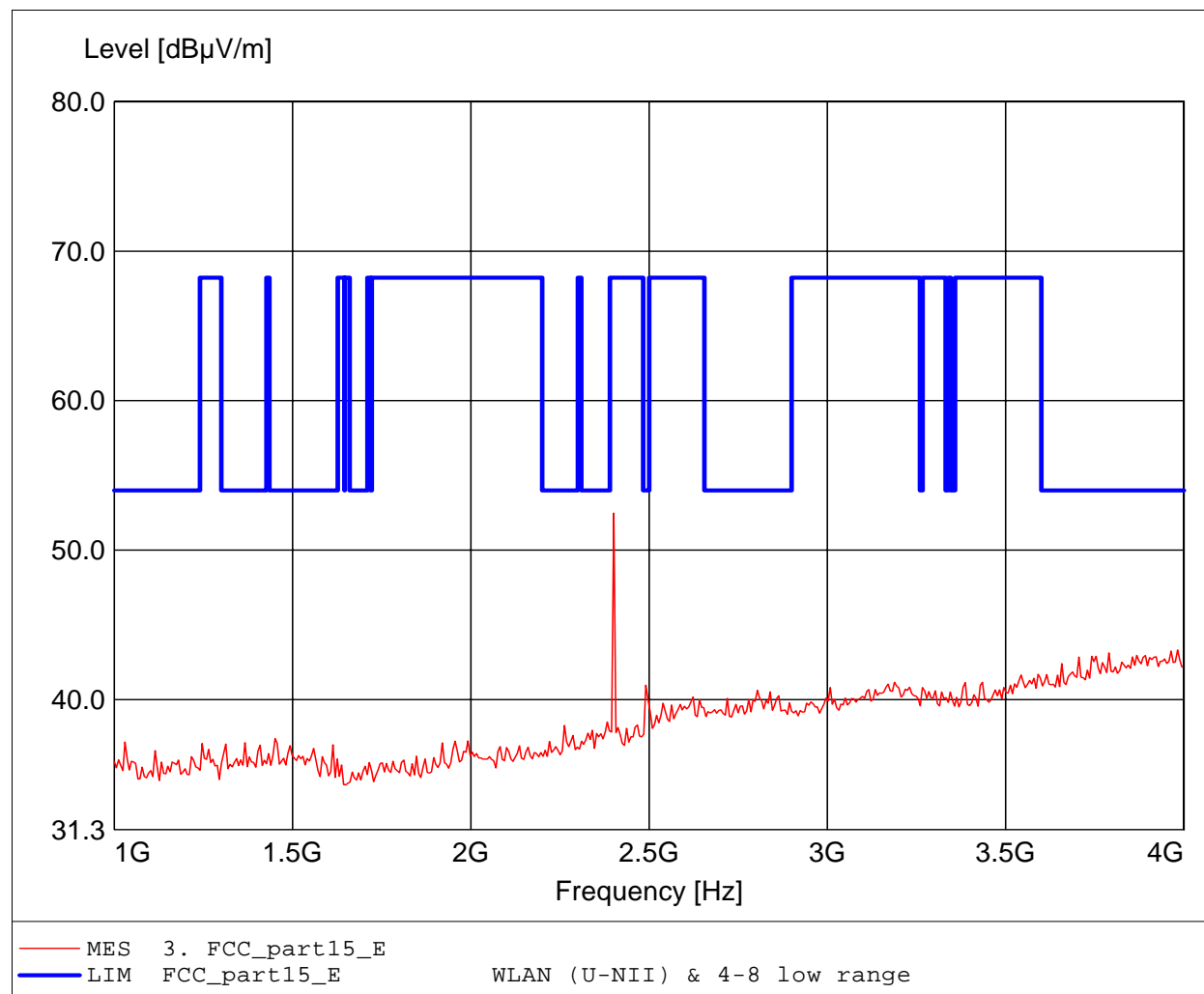
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 233.667MHz, Emax: 39.17dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

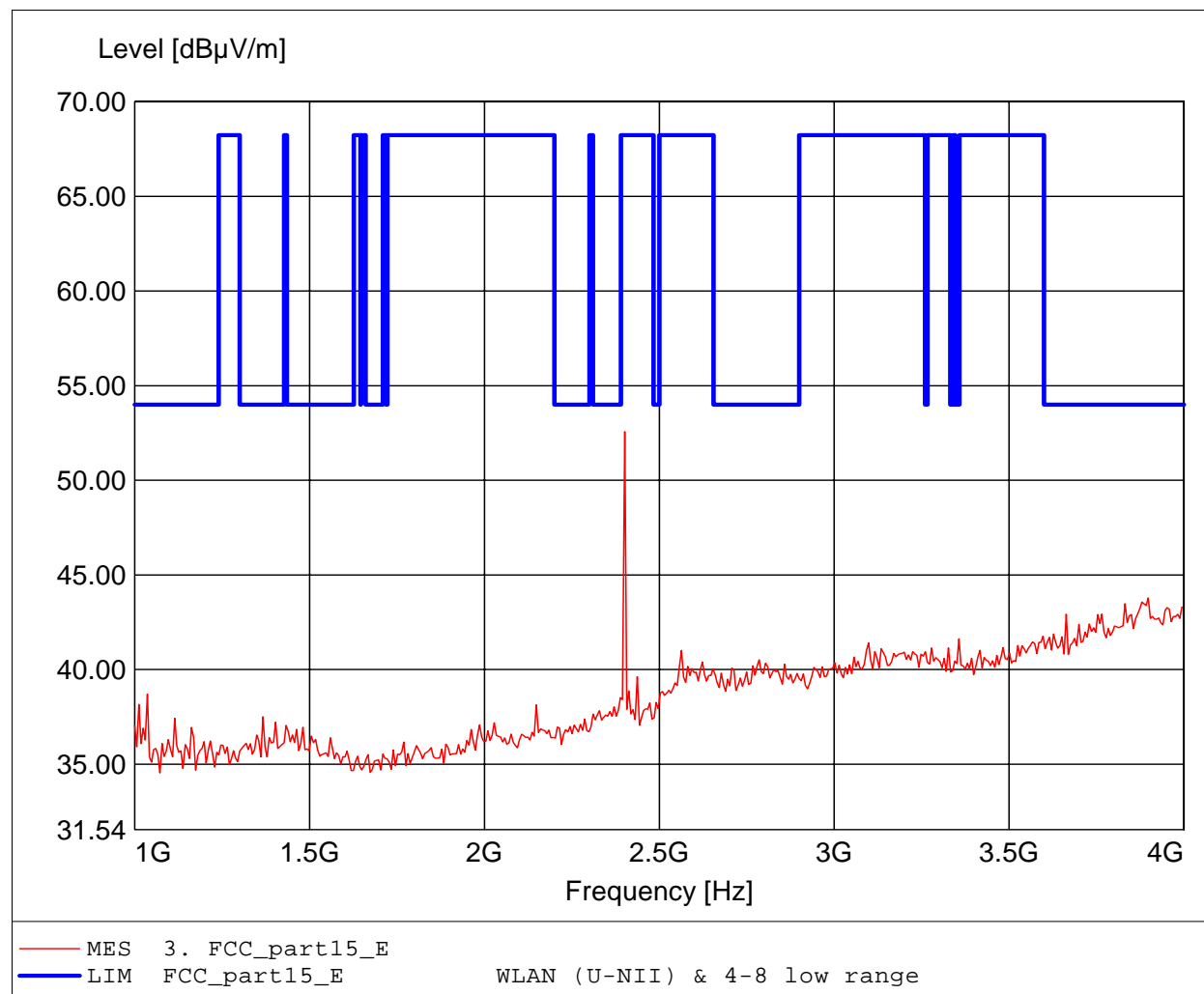
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 52.48dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

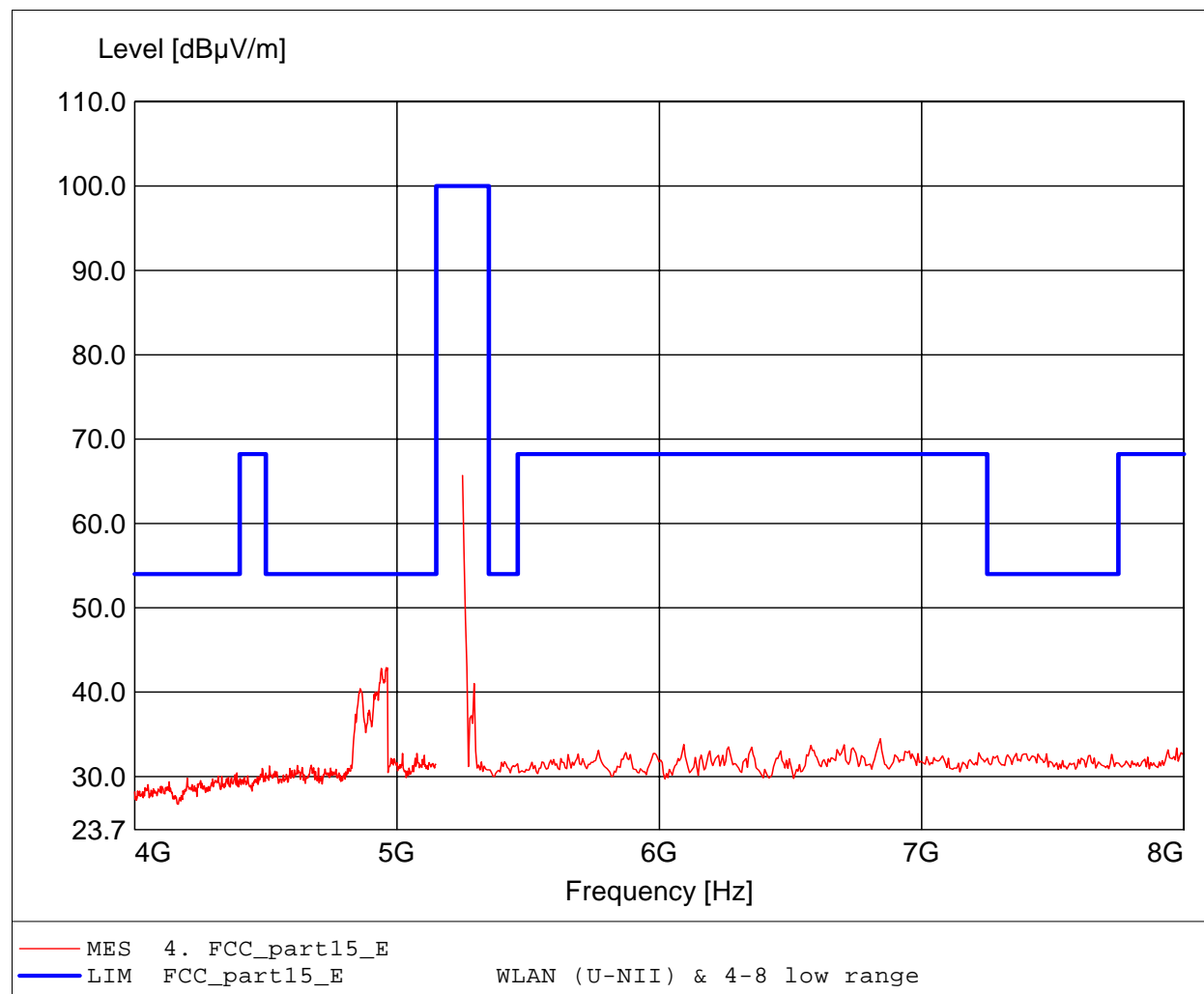
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 52.57dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

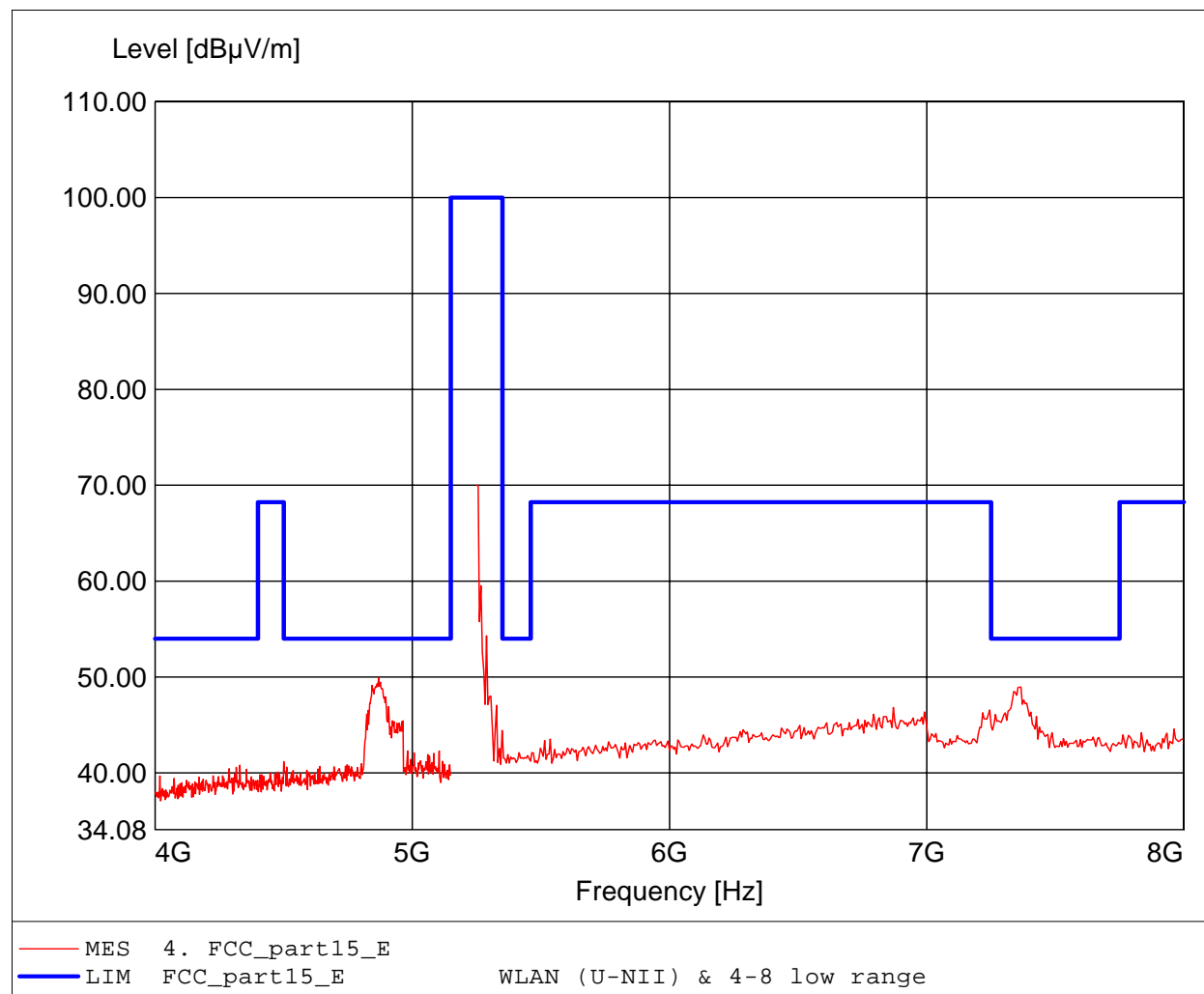
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.250GHz, Emax: 65.69dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

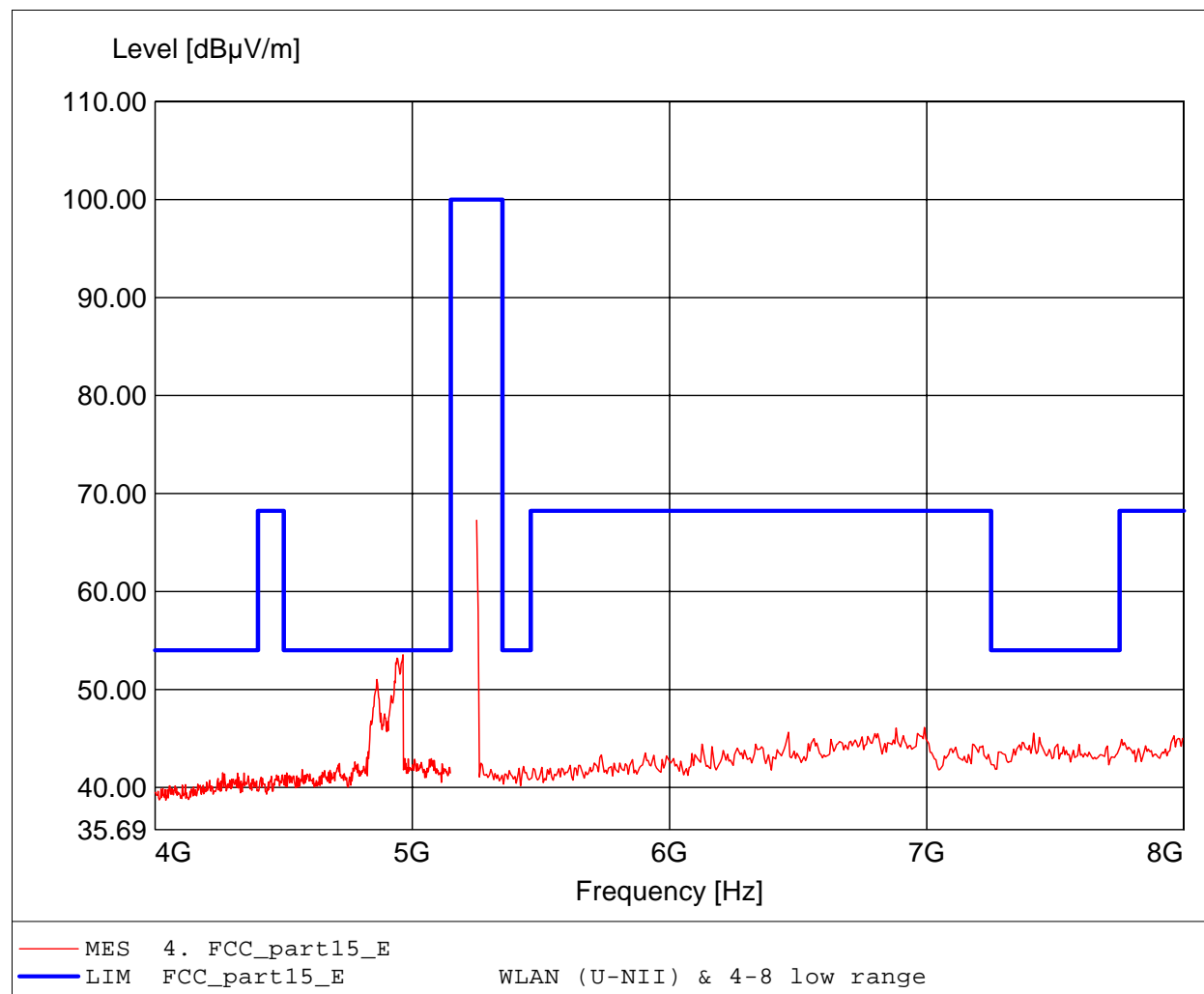
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.250GHz, Emax: 70.01dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

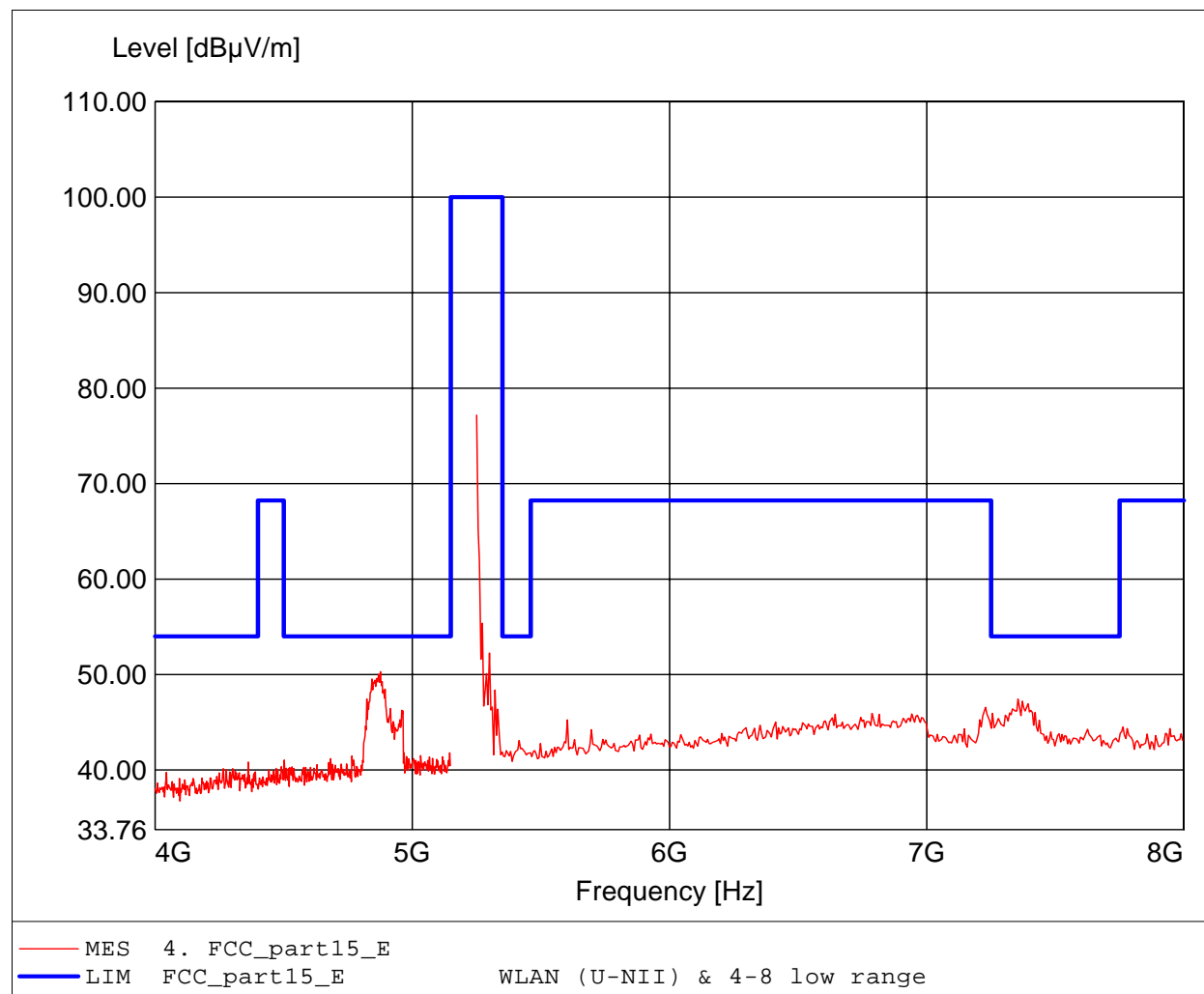
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.250GHz, Emax: 67.27dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

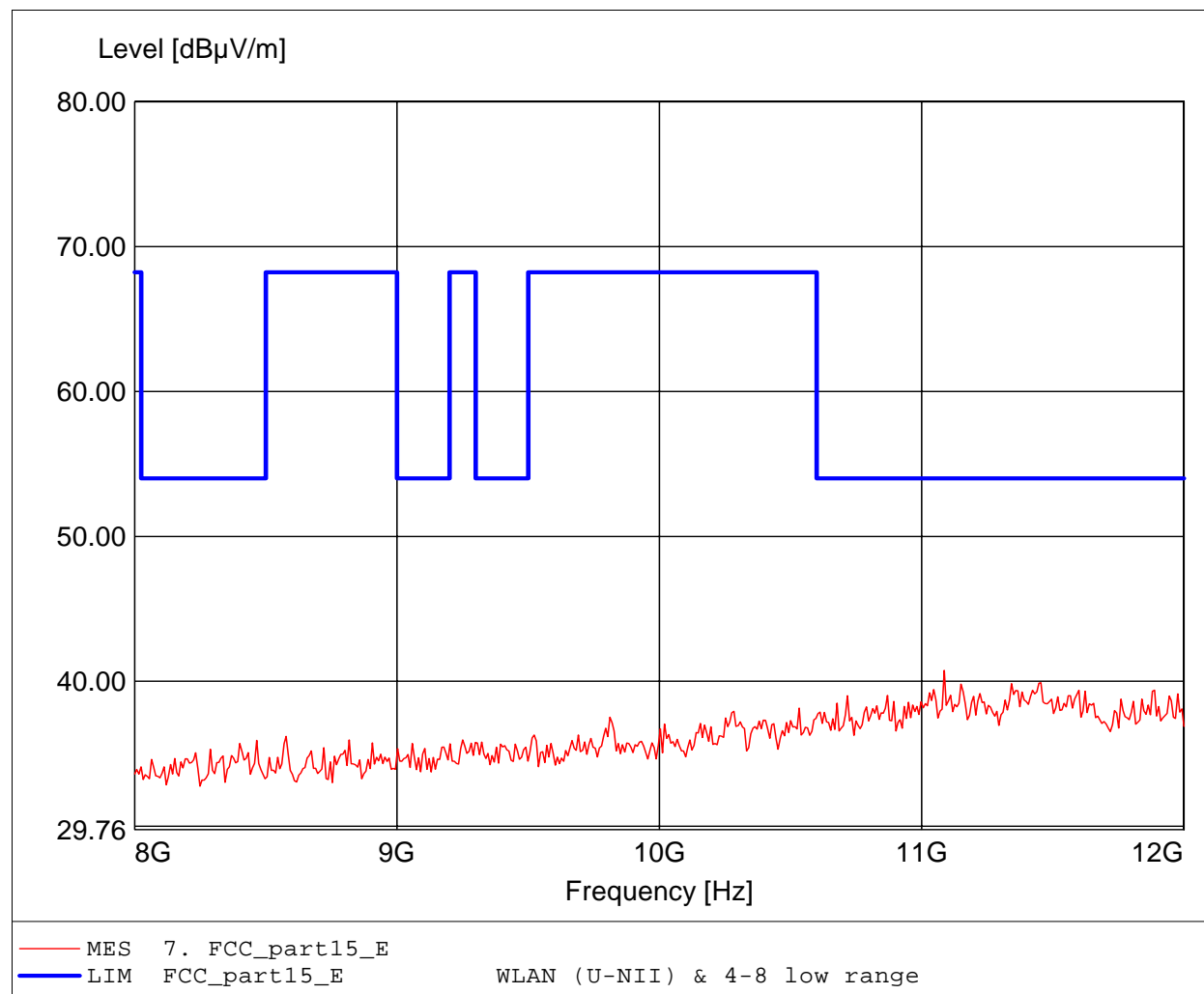
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.250GHz, Emax: 77.18dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

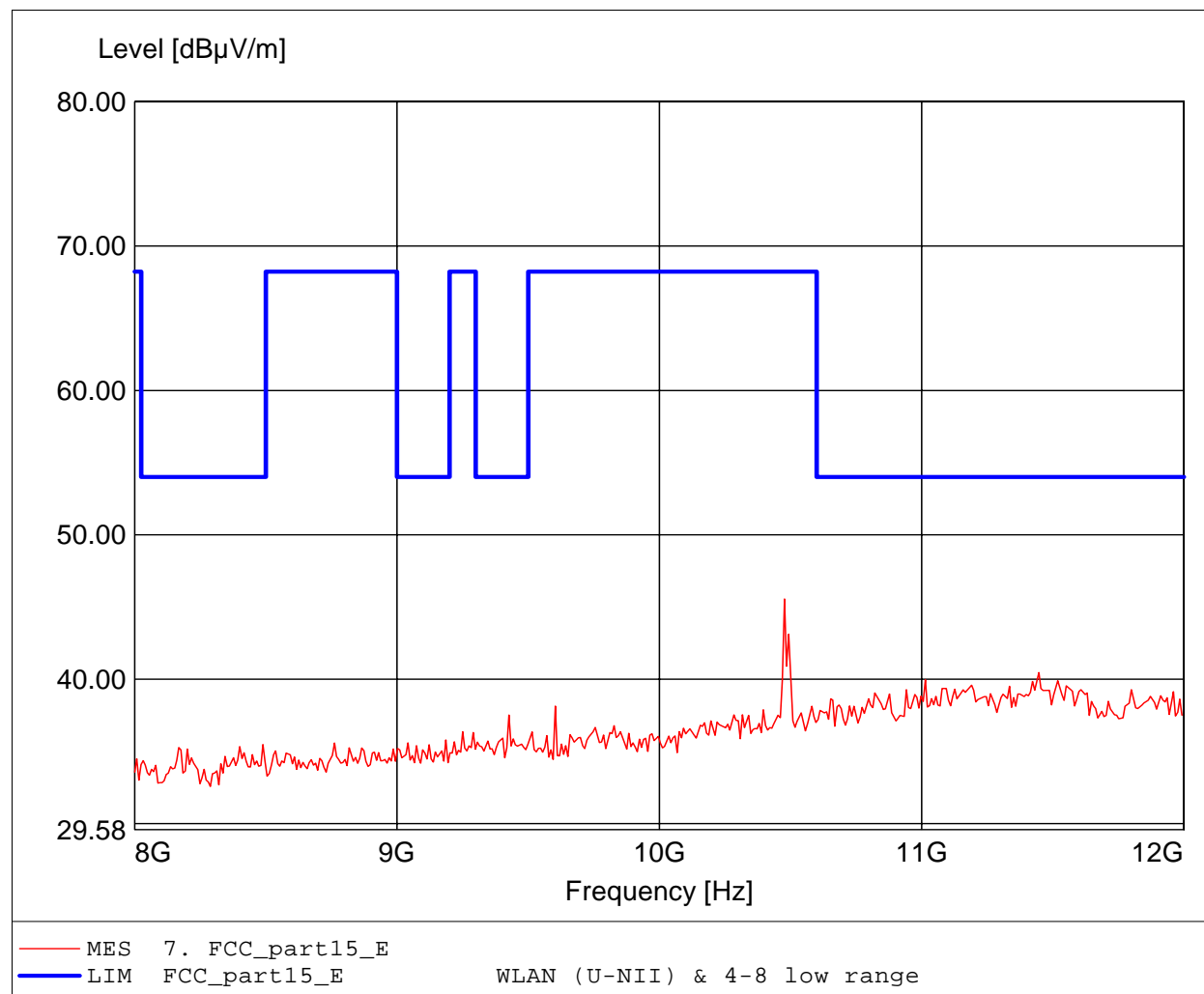
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.086GHz, Emax: 40.75dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

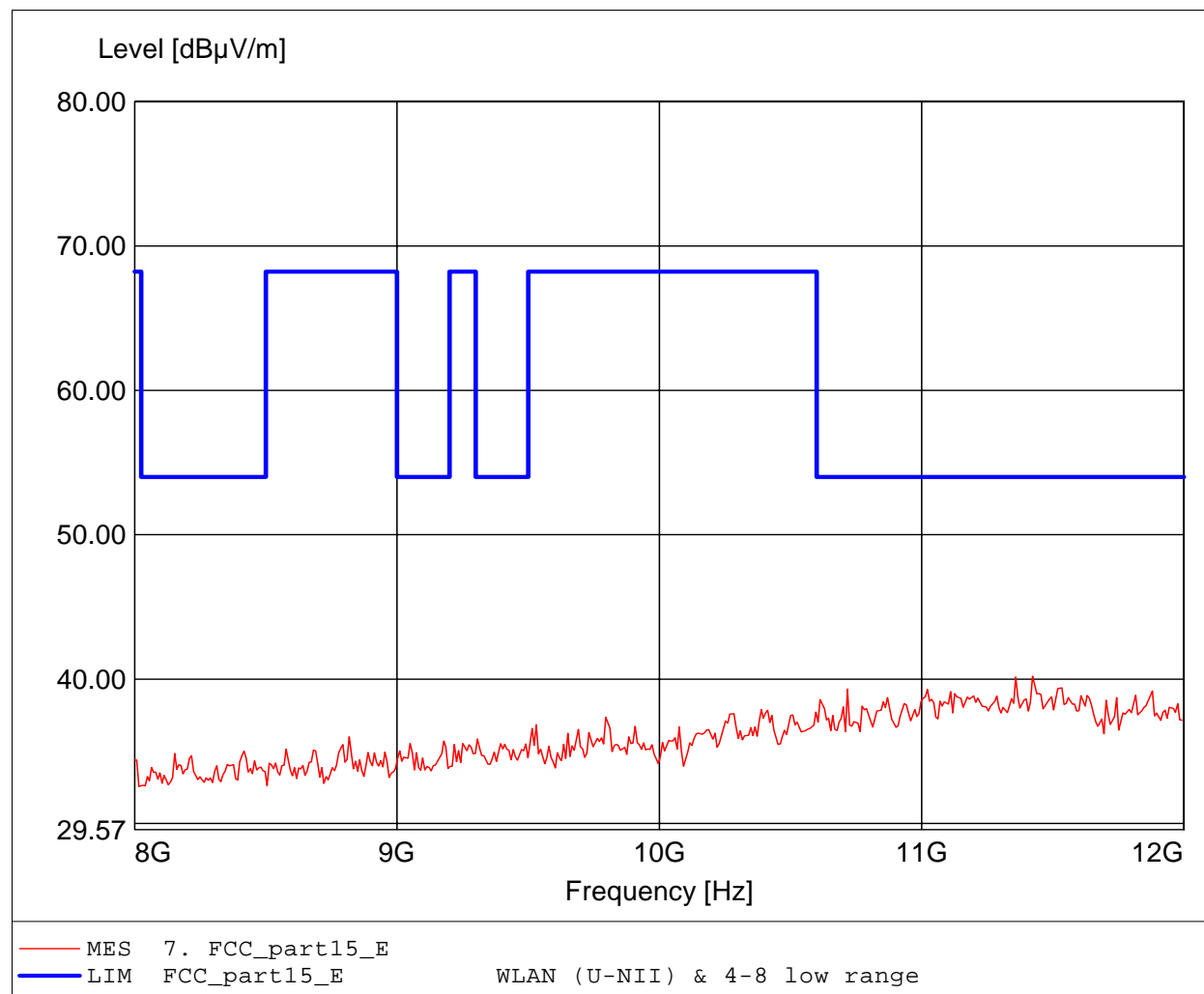
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.477GHz, Emax: 45.56dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

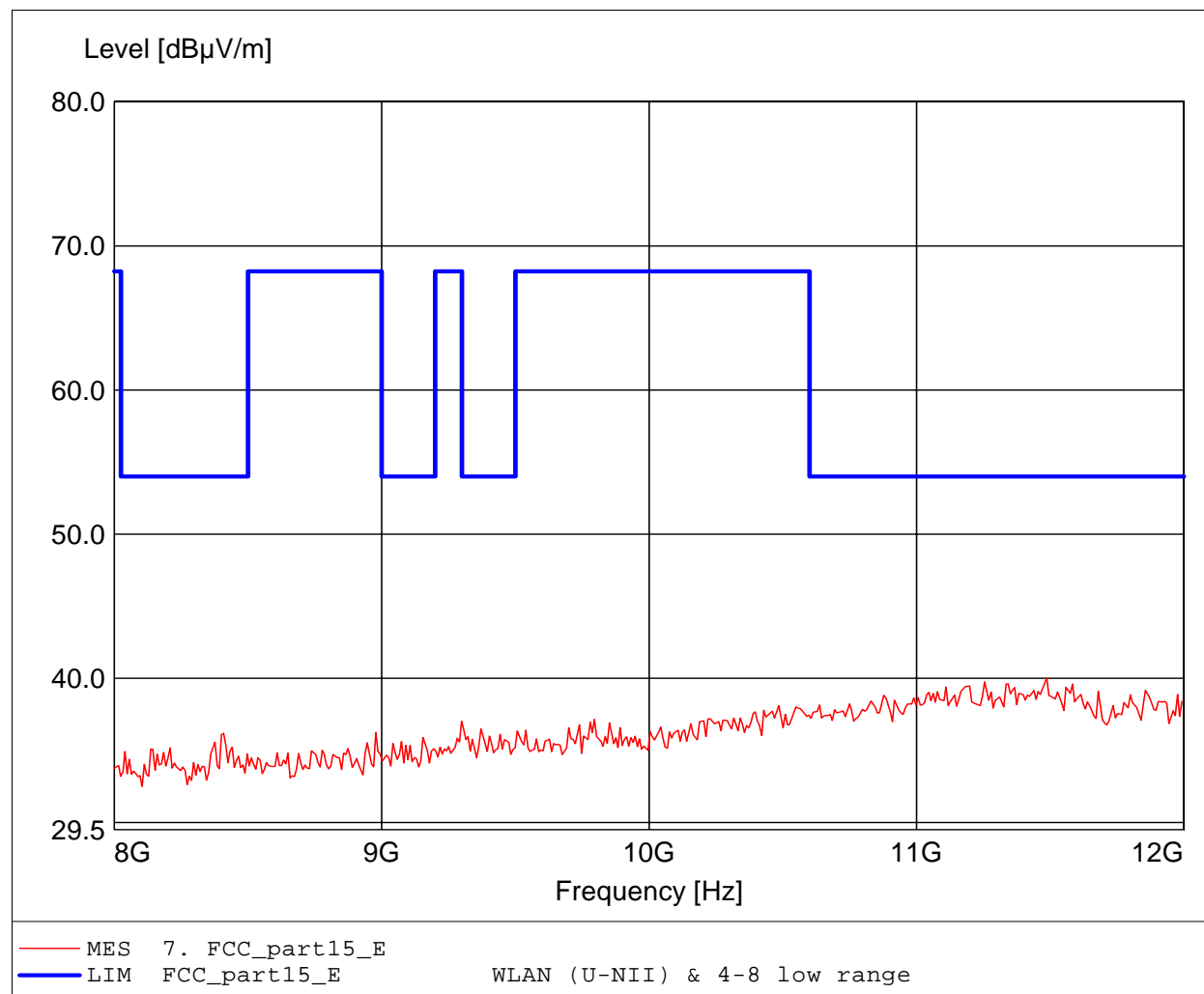
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.423GHz, Emax: 40.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

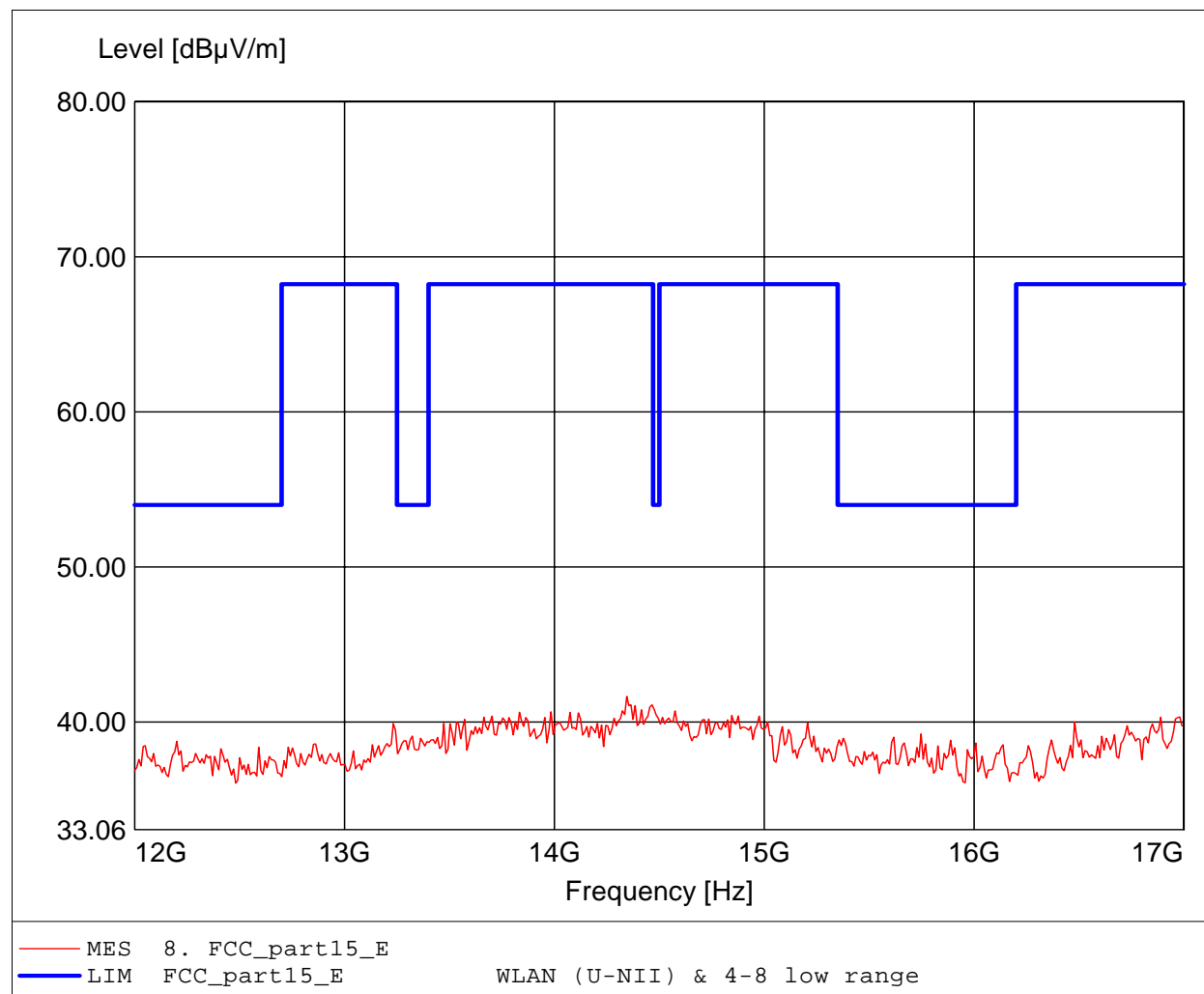
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.487GHz, Emax: 40.02dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

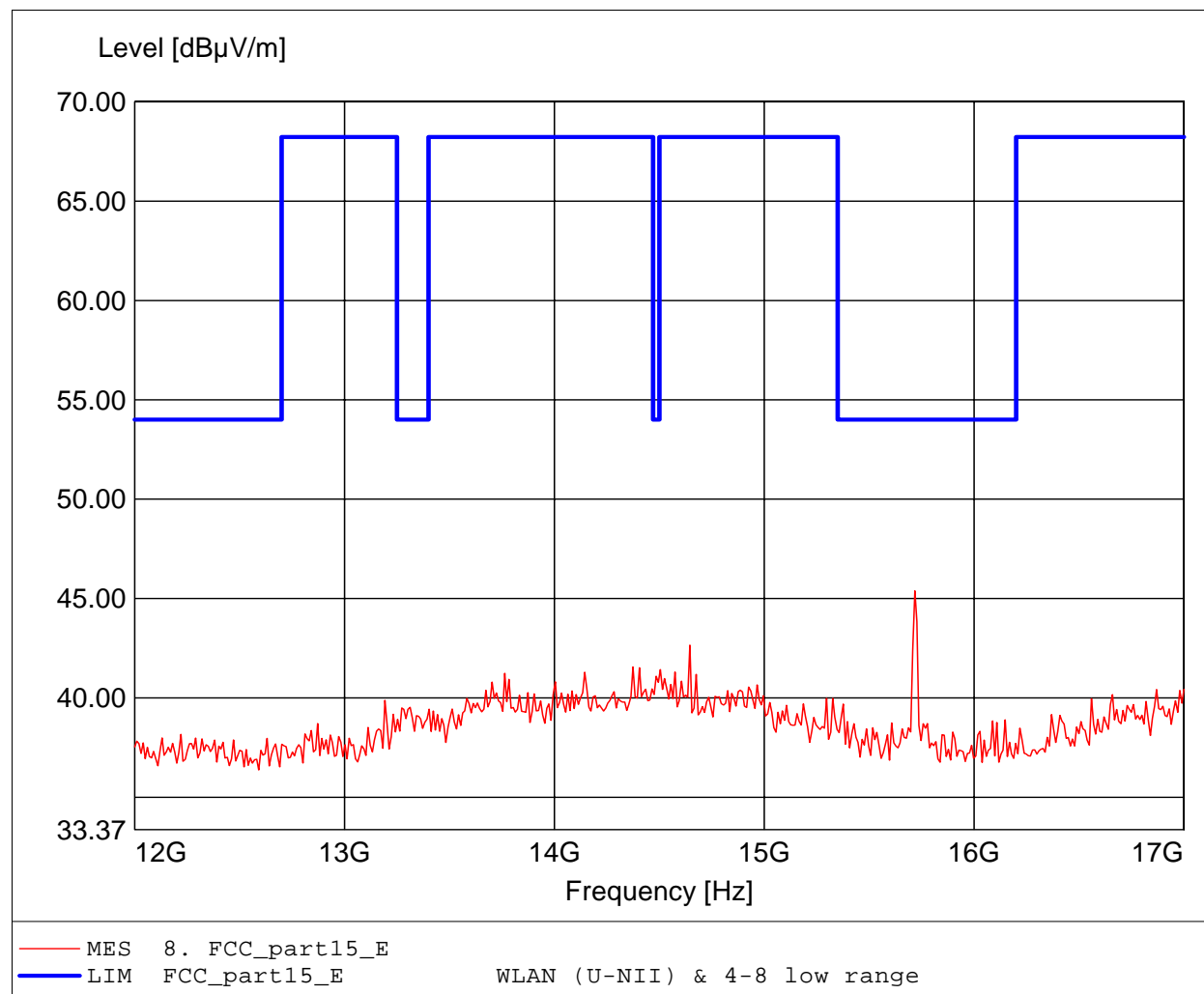
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.345GHz, Emax: 41.65dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

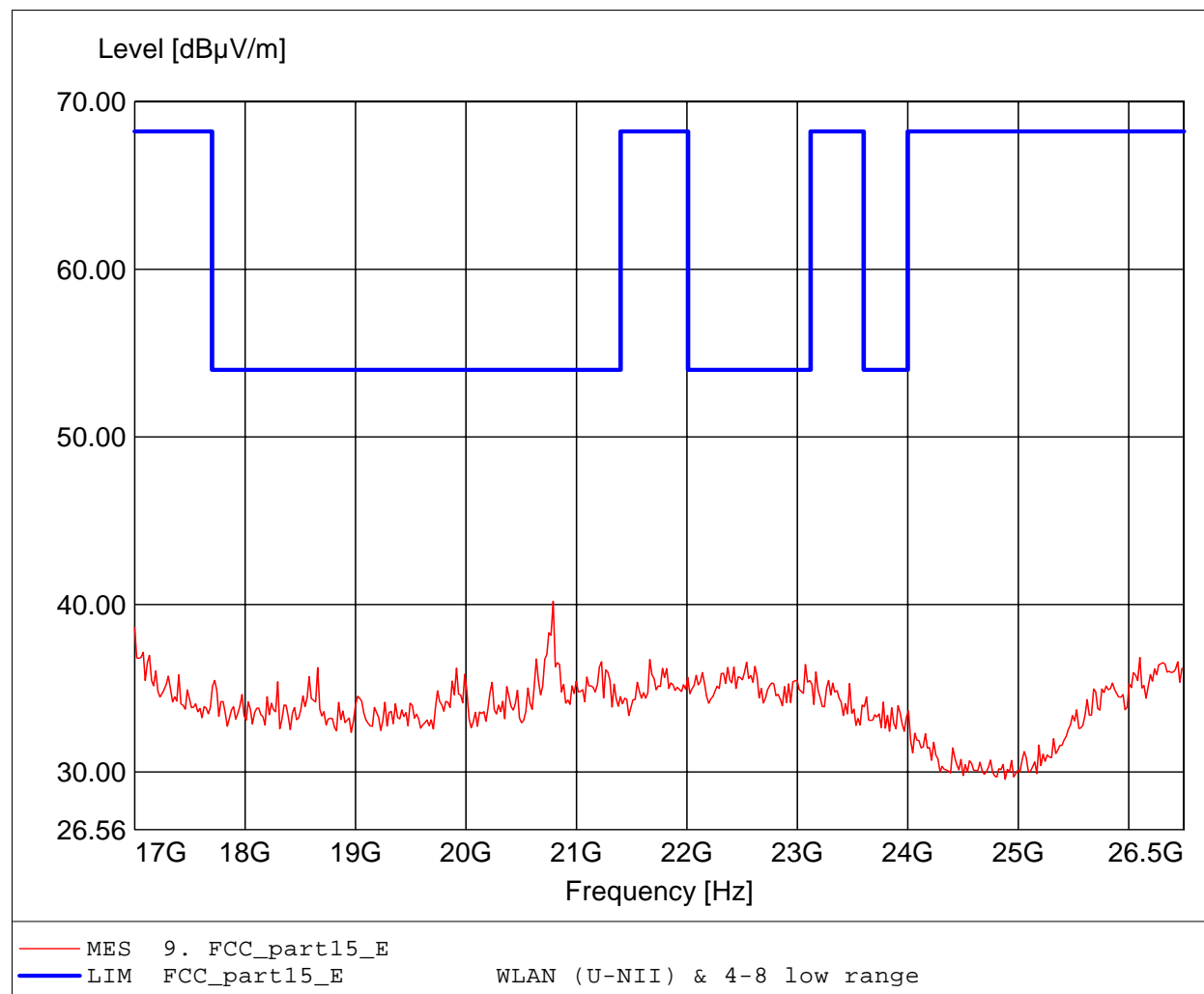
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 15.717GHz, Emax: 45.38dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

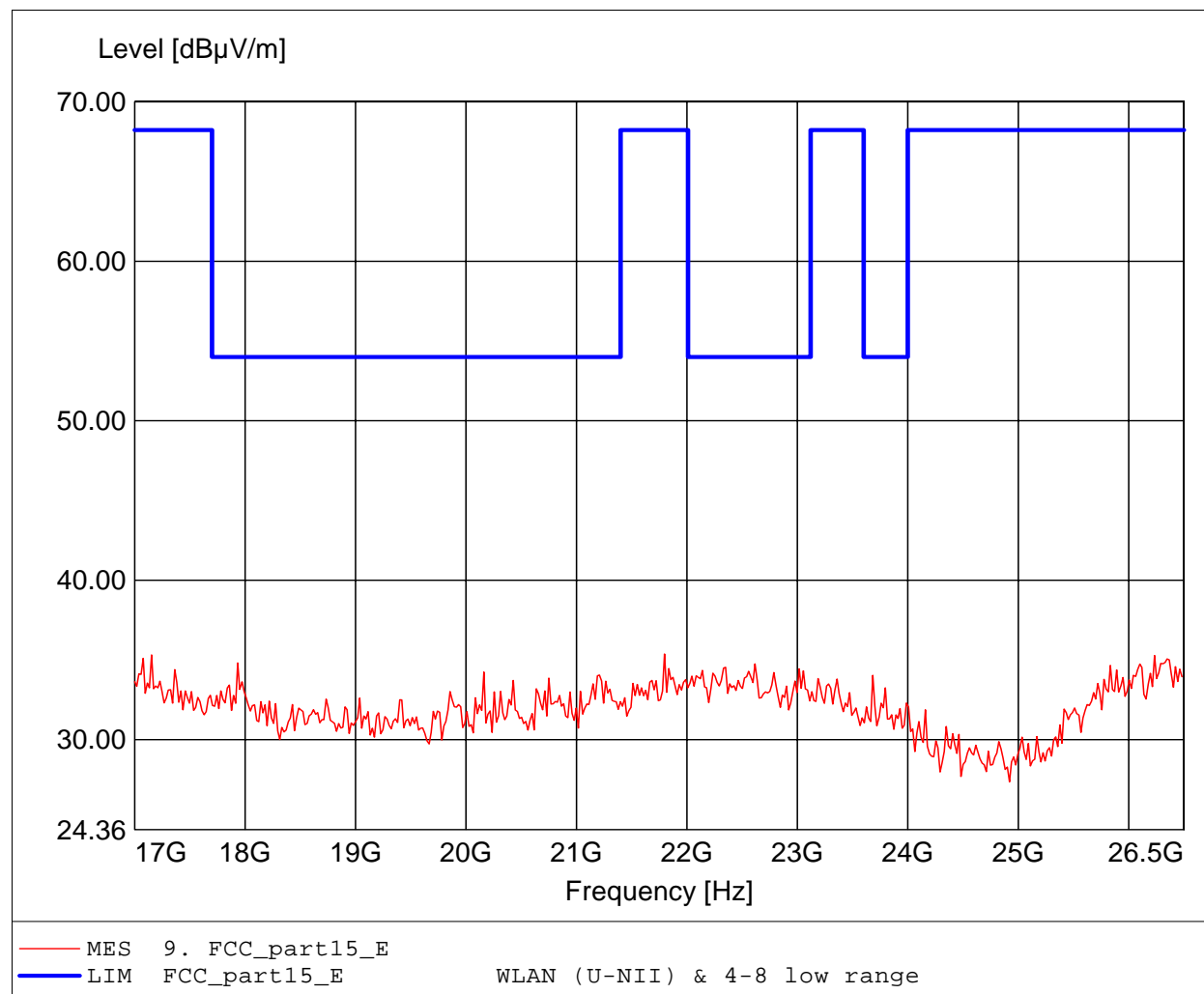
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 20.789GHz, Emax: 40.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

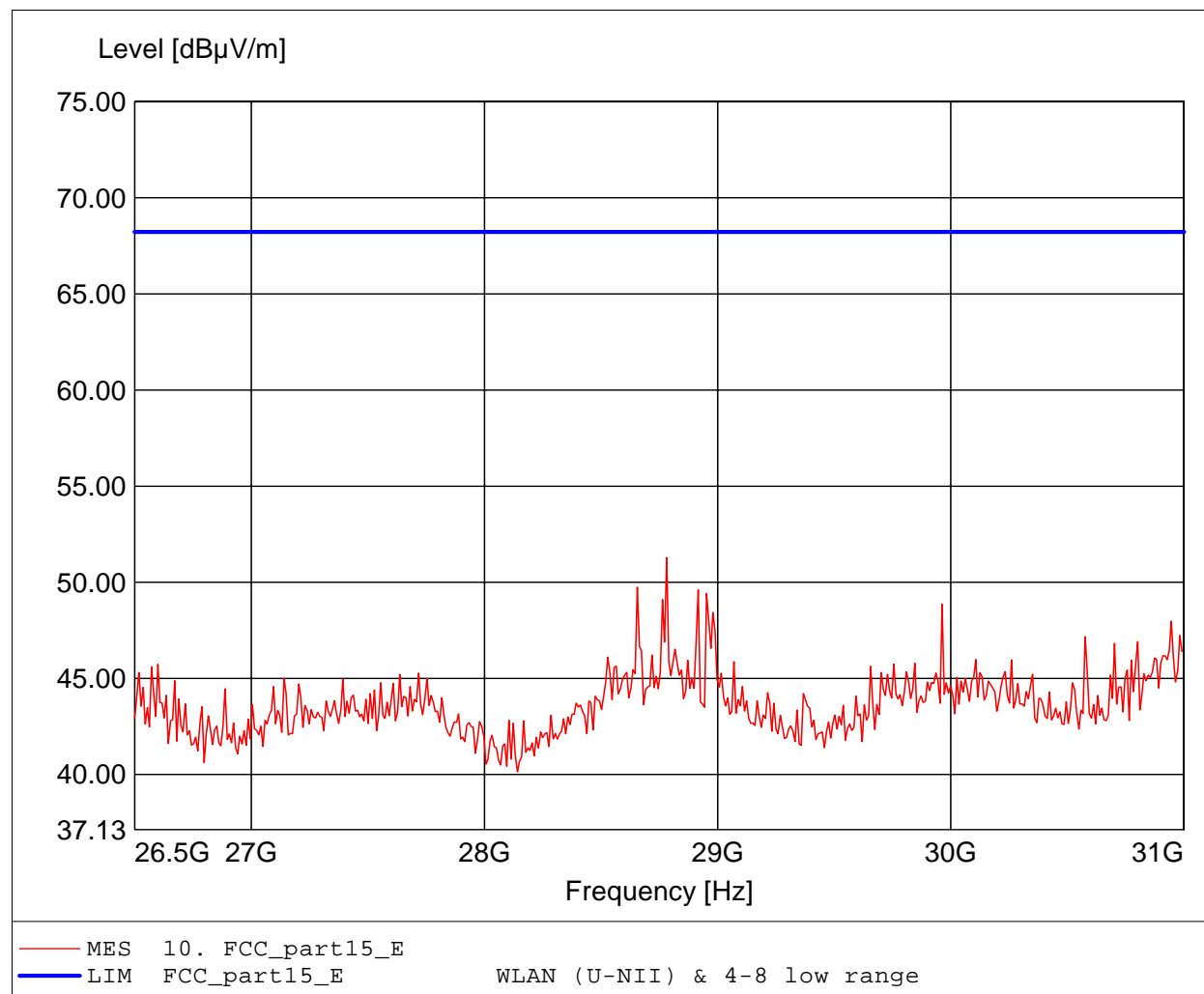
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 21.798GHz, Emax: 35.38dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

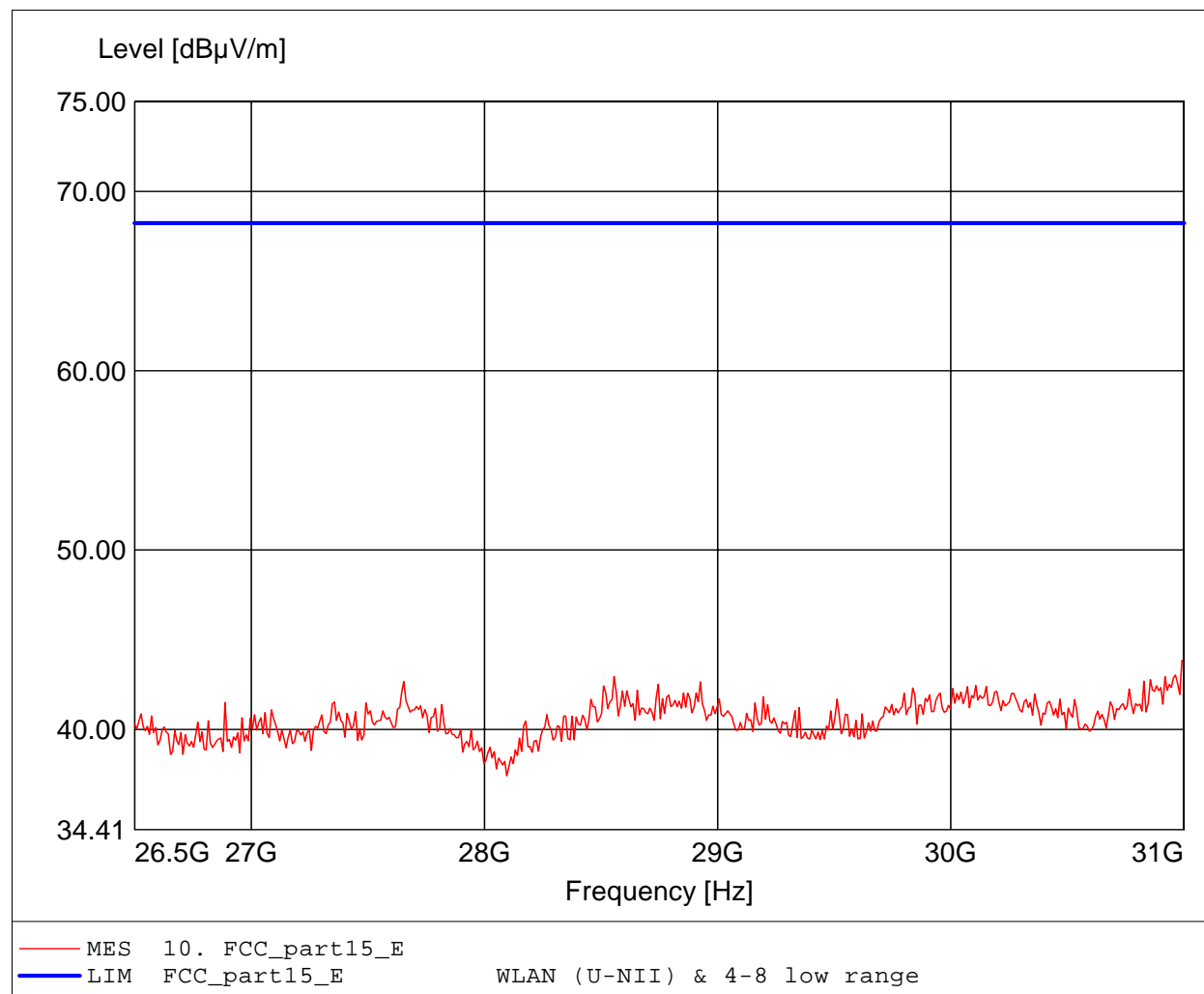
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 28.782GHz, Emax: 51.28dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

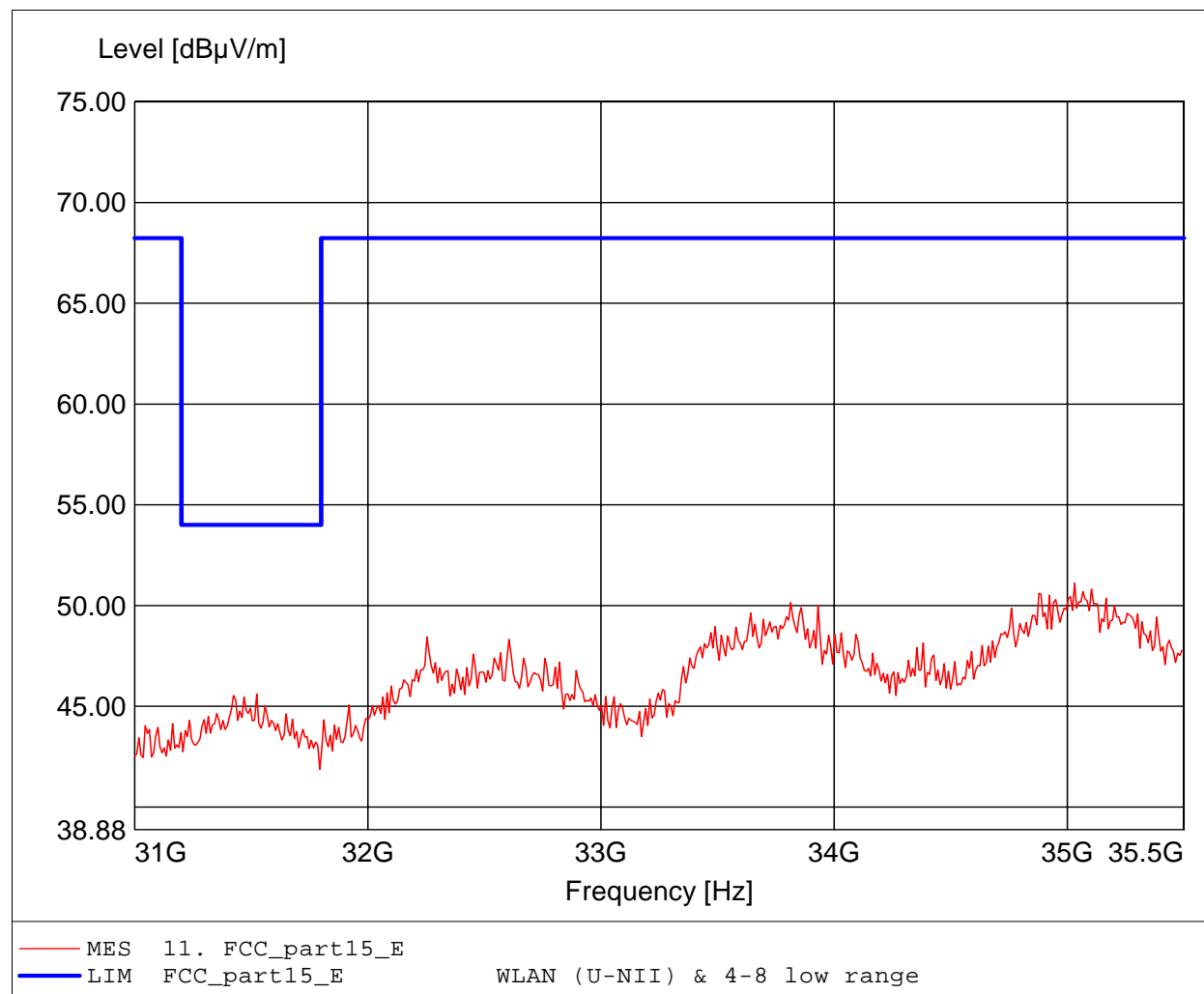
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.991GHz, Emax: 43.86dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

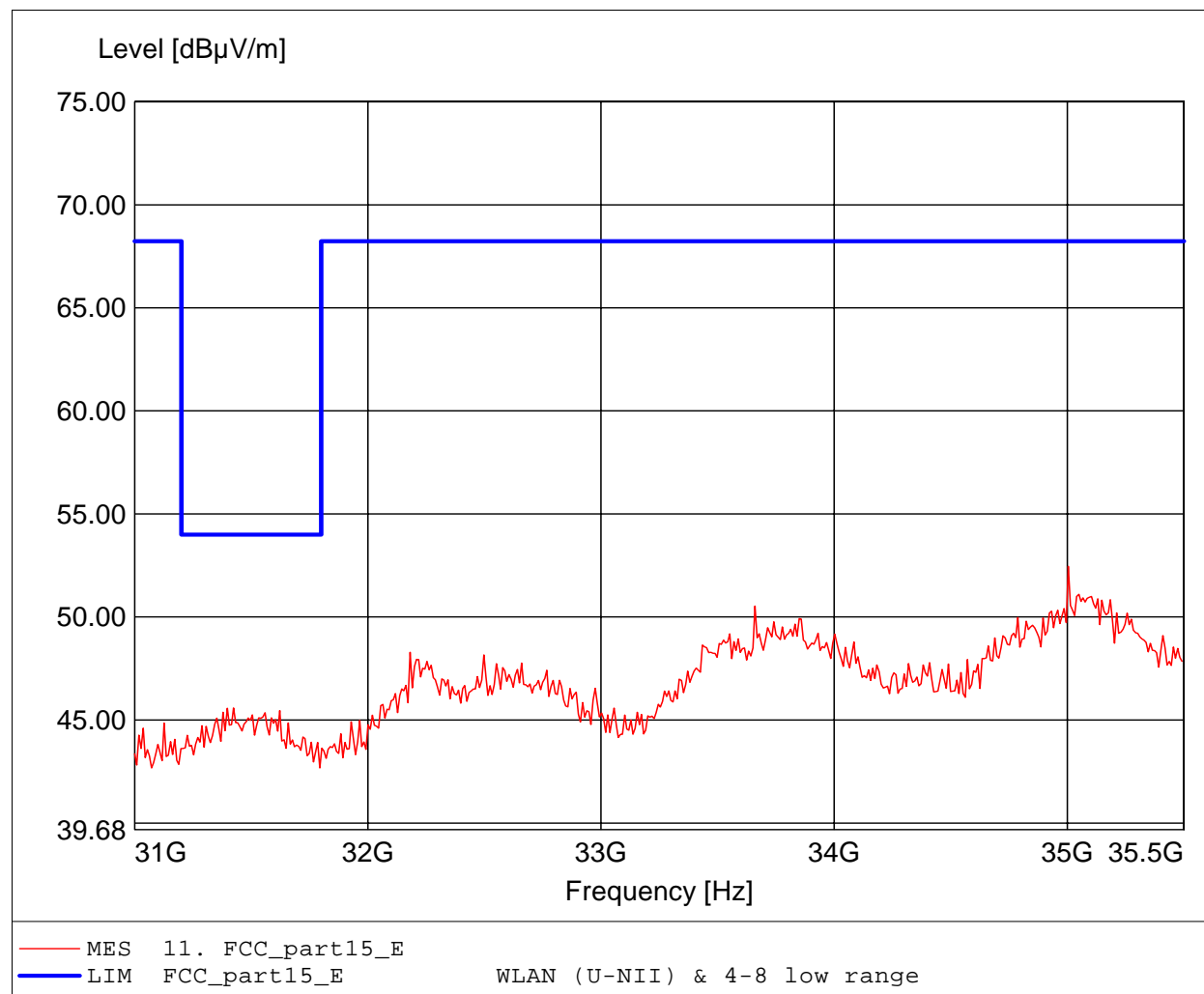
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.031GHz, Emax: 51.11dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

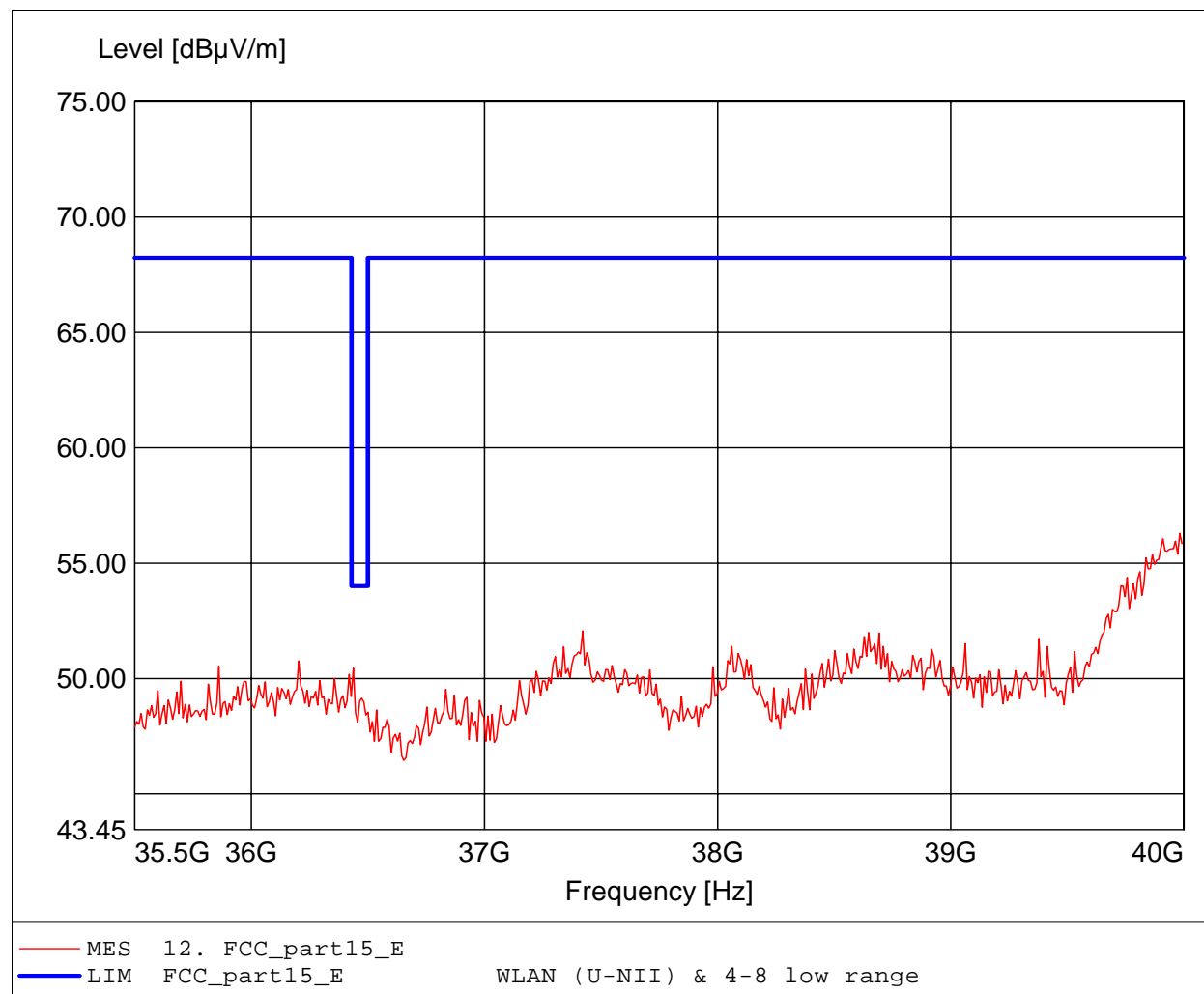
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.004GHz, Emax: 52.46dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

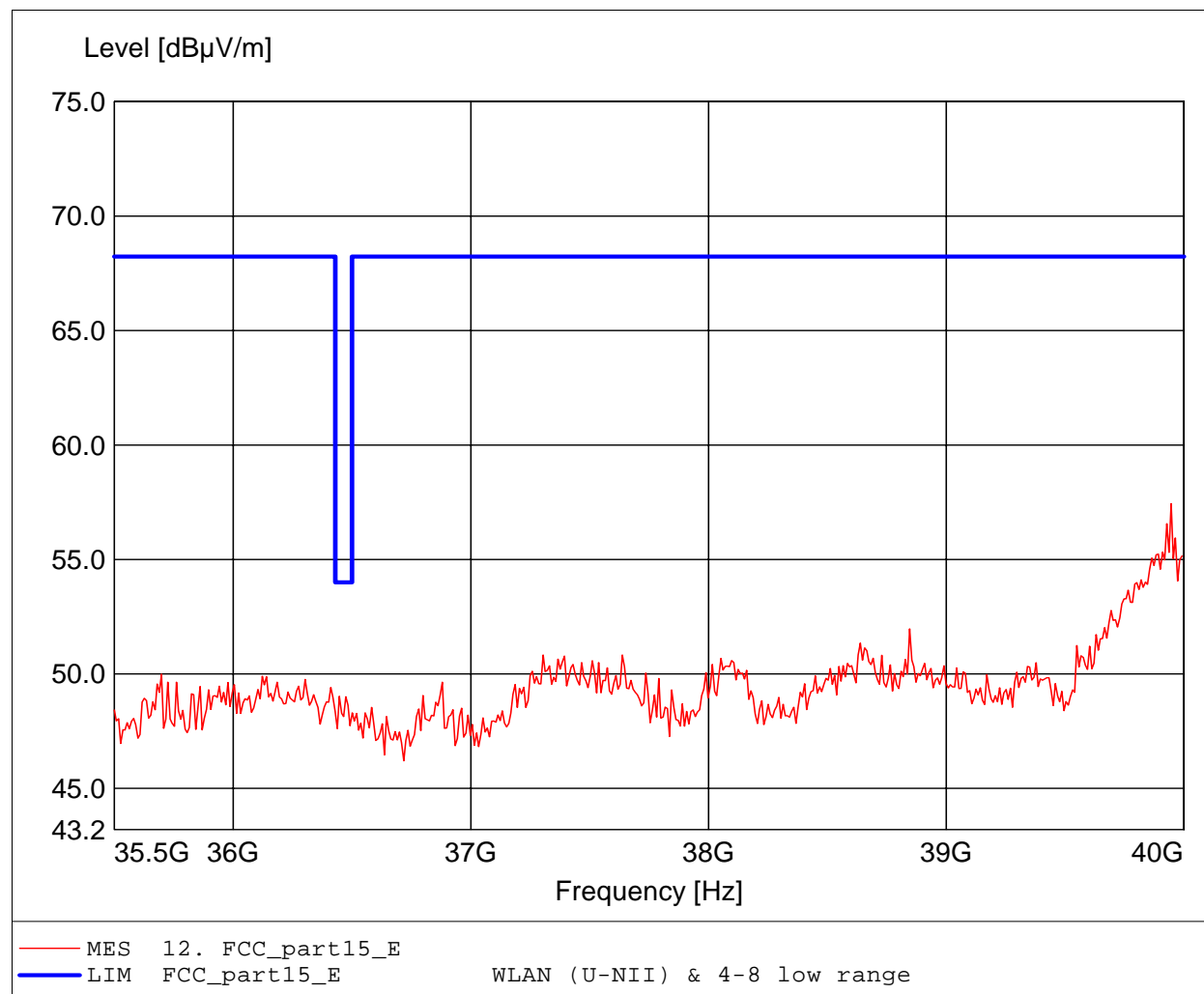
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.982GHz, Emax: 56.29dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

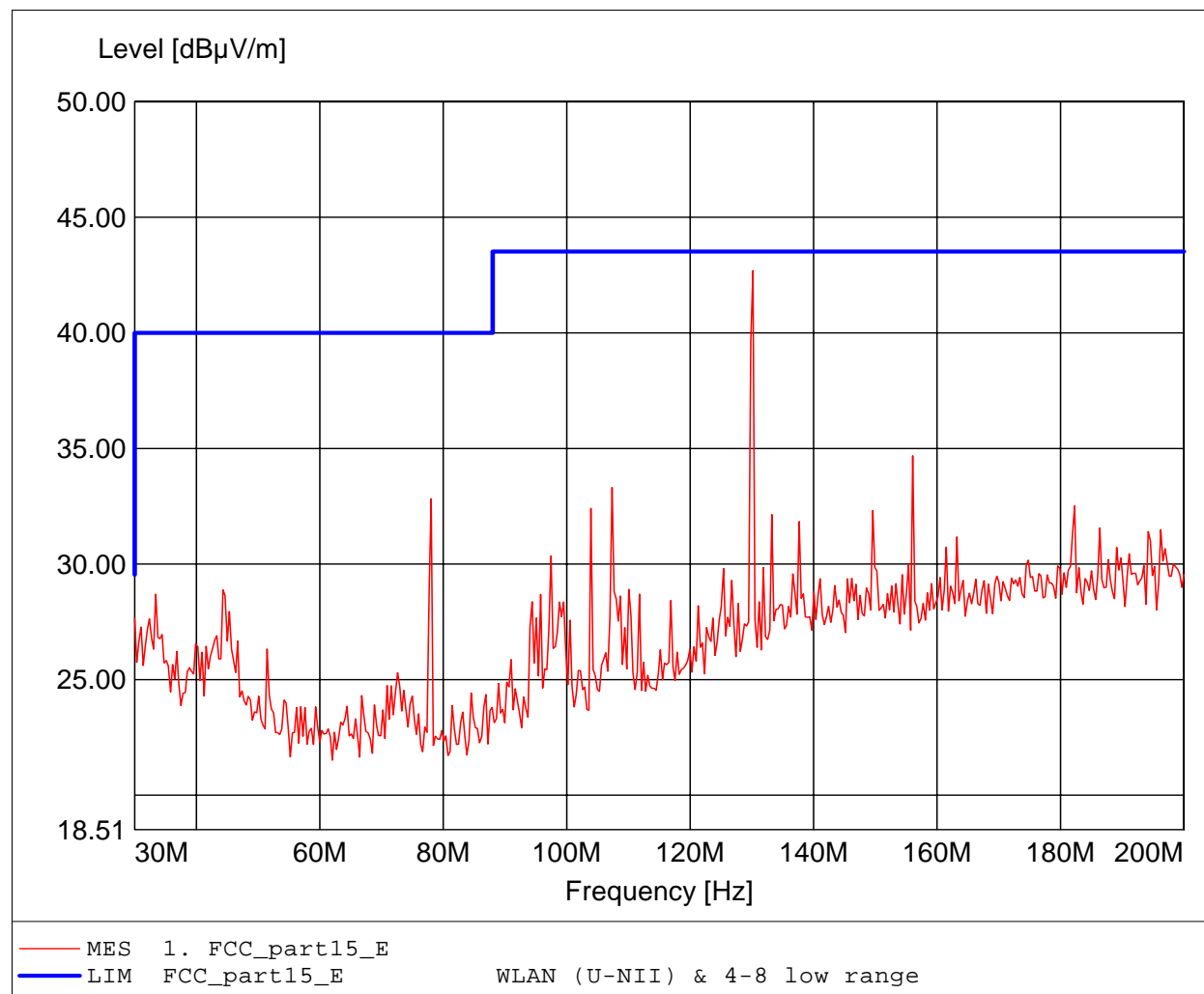
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5240 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.946GHz, Emax: 57.44dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

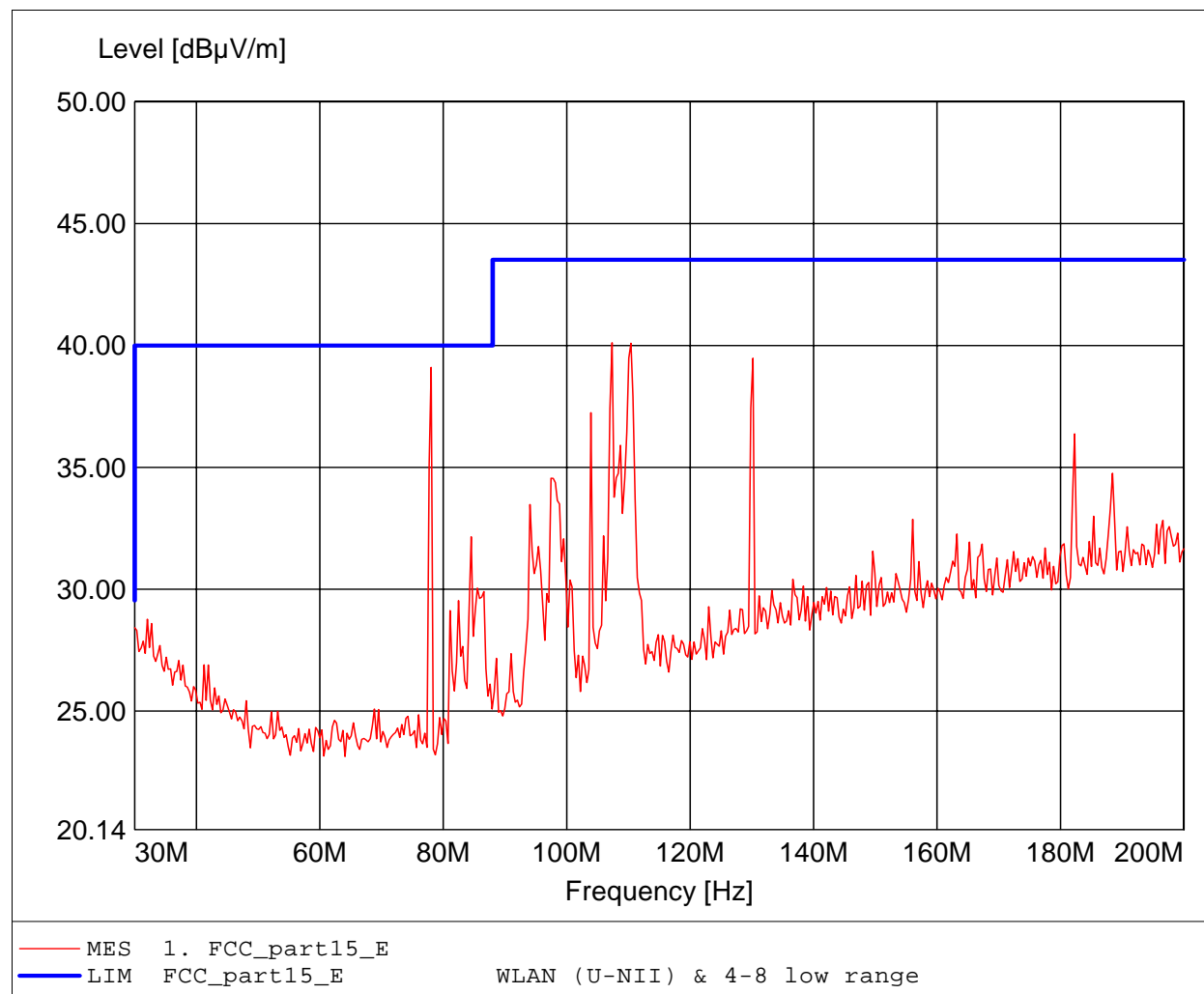
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 130.160MHz, Emax: 42.69dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

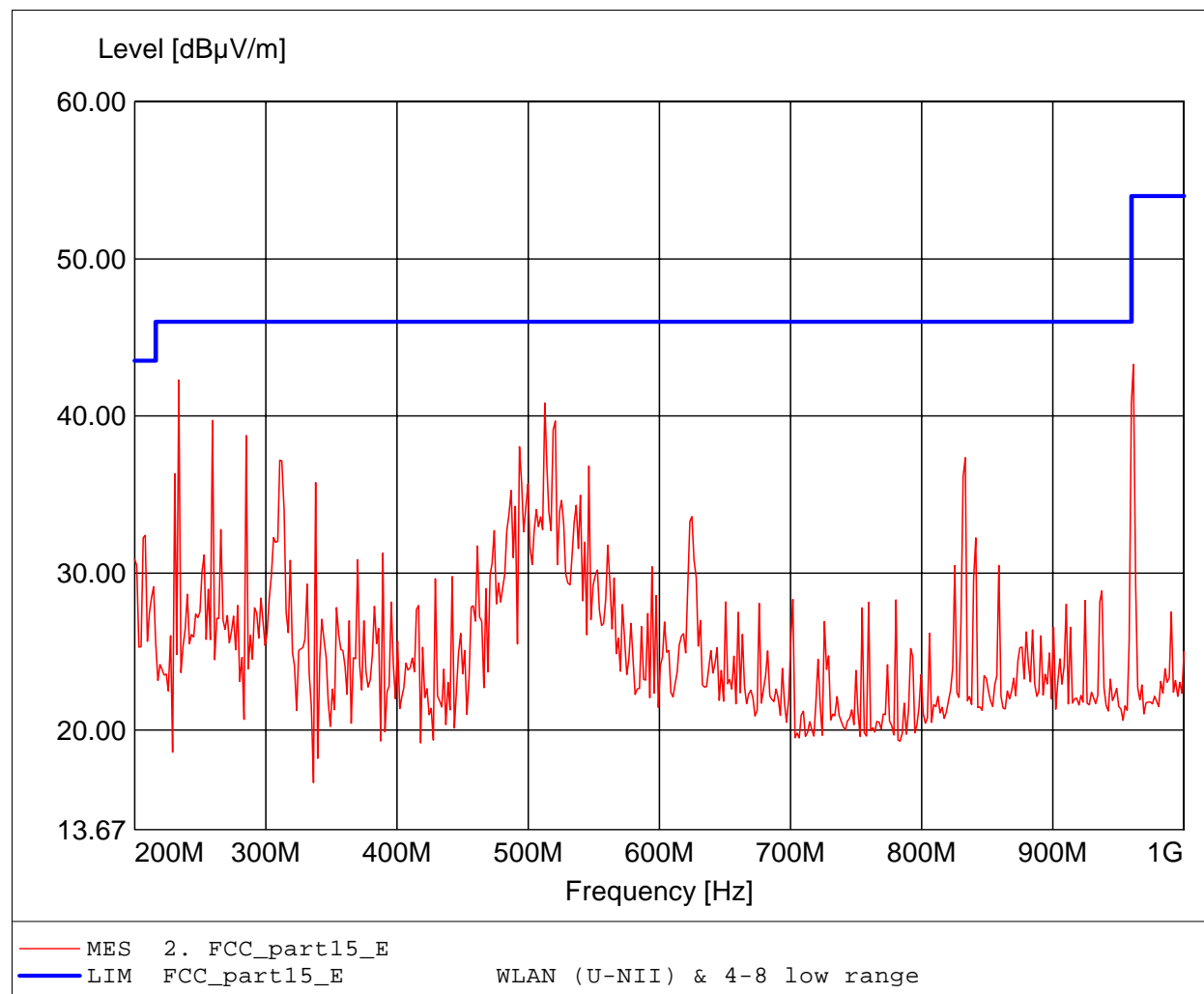
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 107.335MHz, Emax: 40.12dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

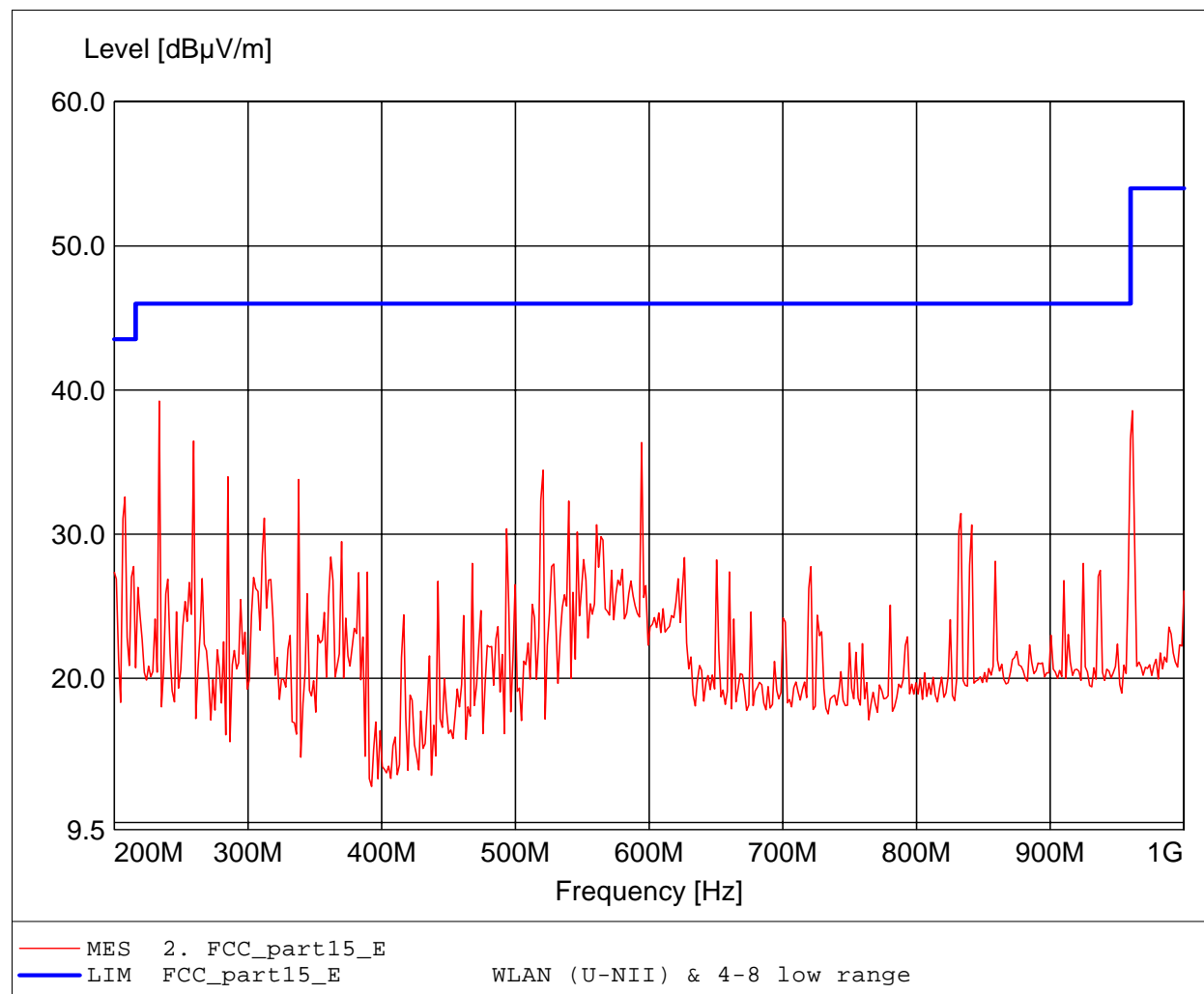
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 961.523MHz, Emax: 43.29dBuV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

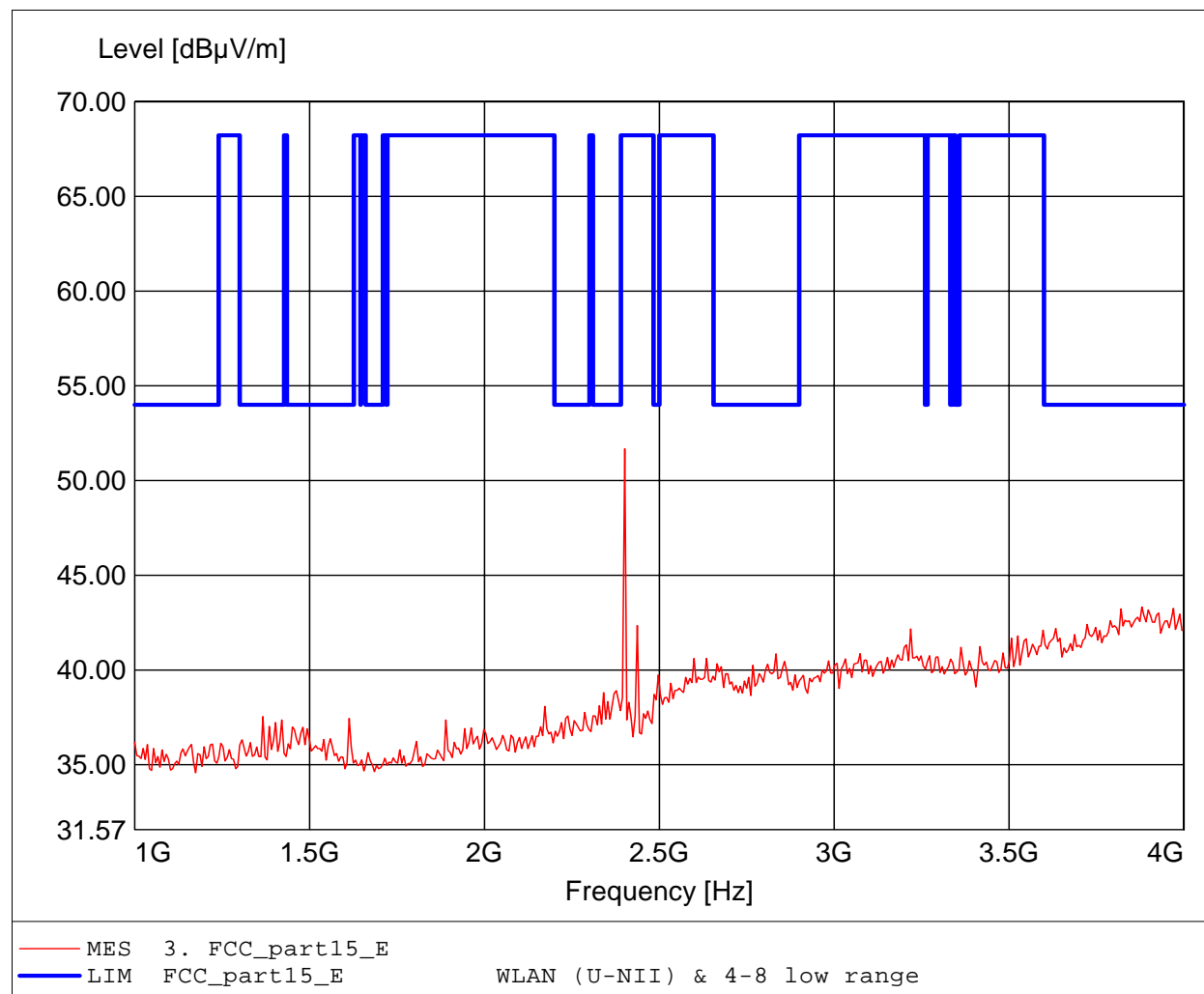
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 233.667MHz, Emax: 39.24dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

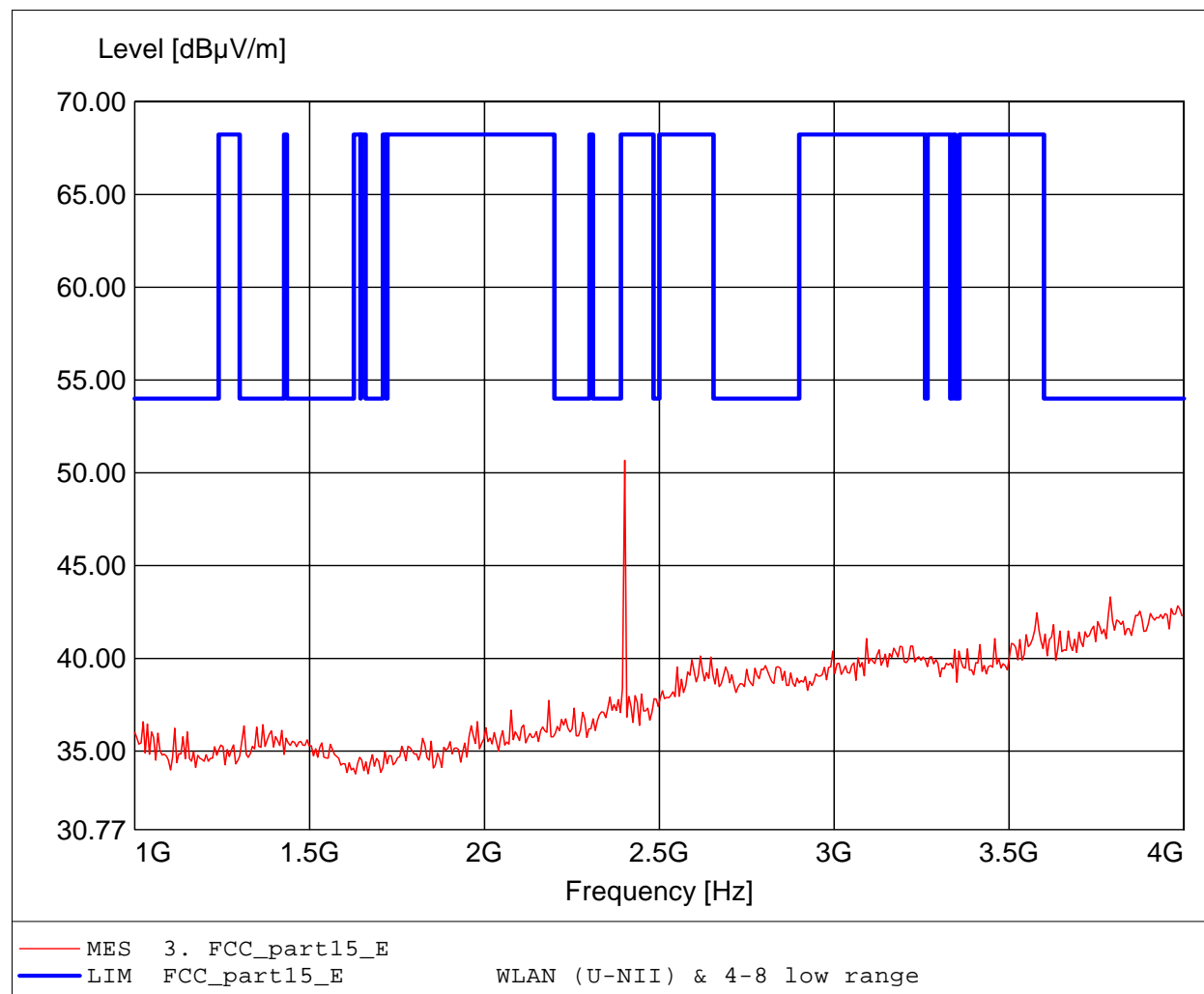
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 51.67dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

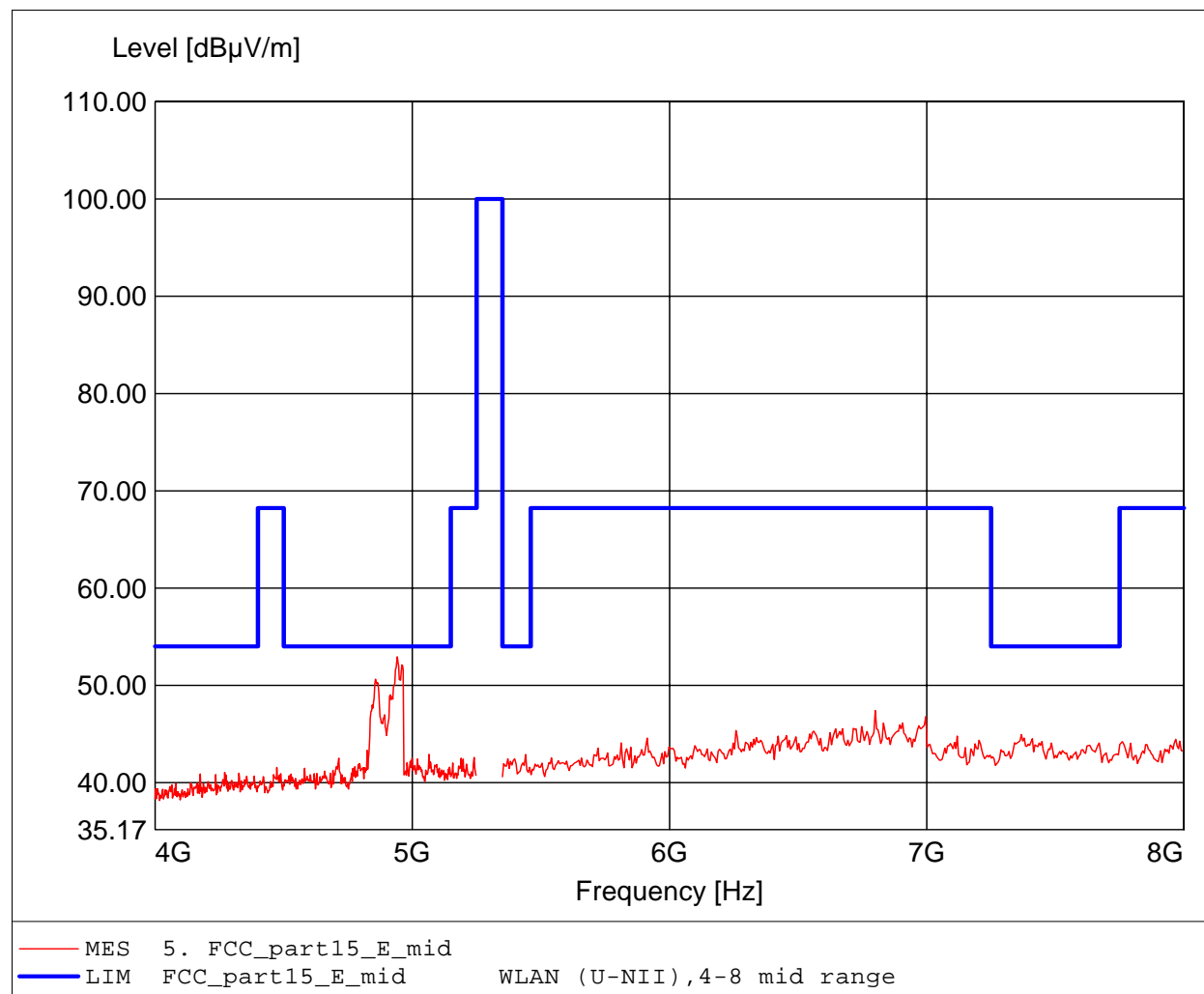
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 50.68dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

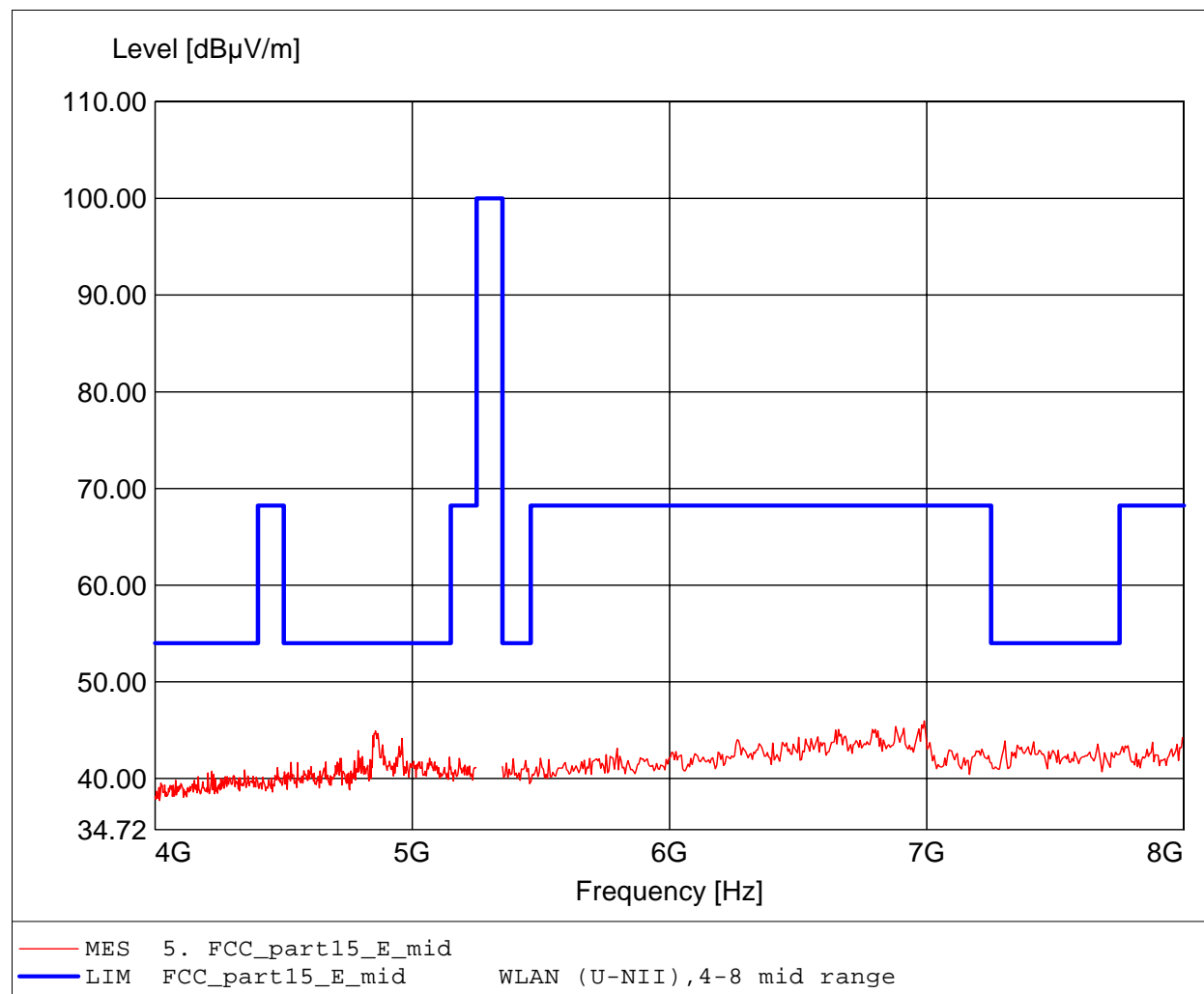
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.942GHz, Emax: 52.94dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

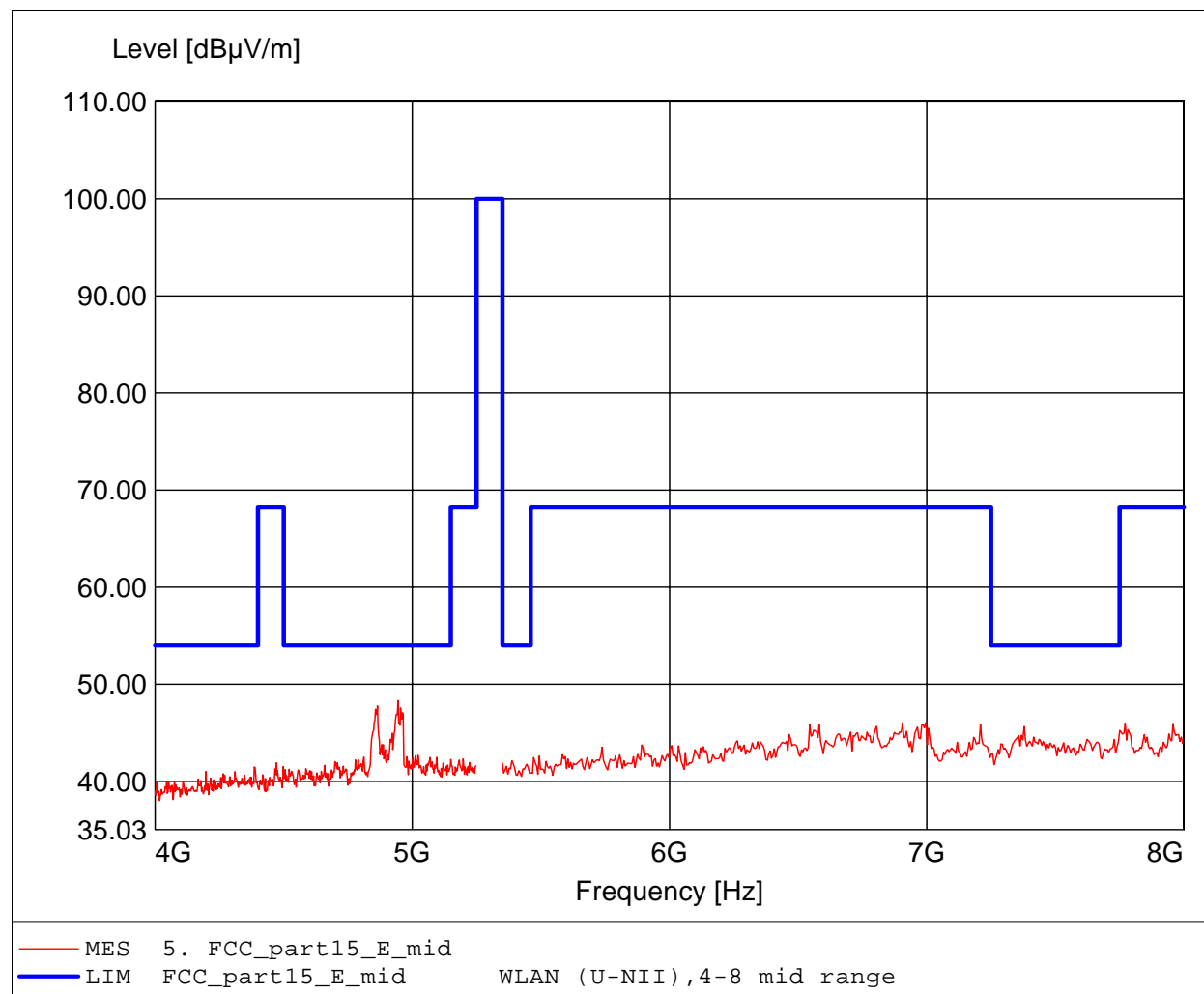
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.991GHz, Emax: 45.96dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

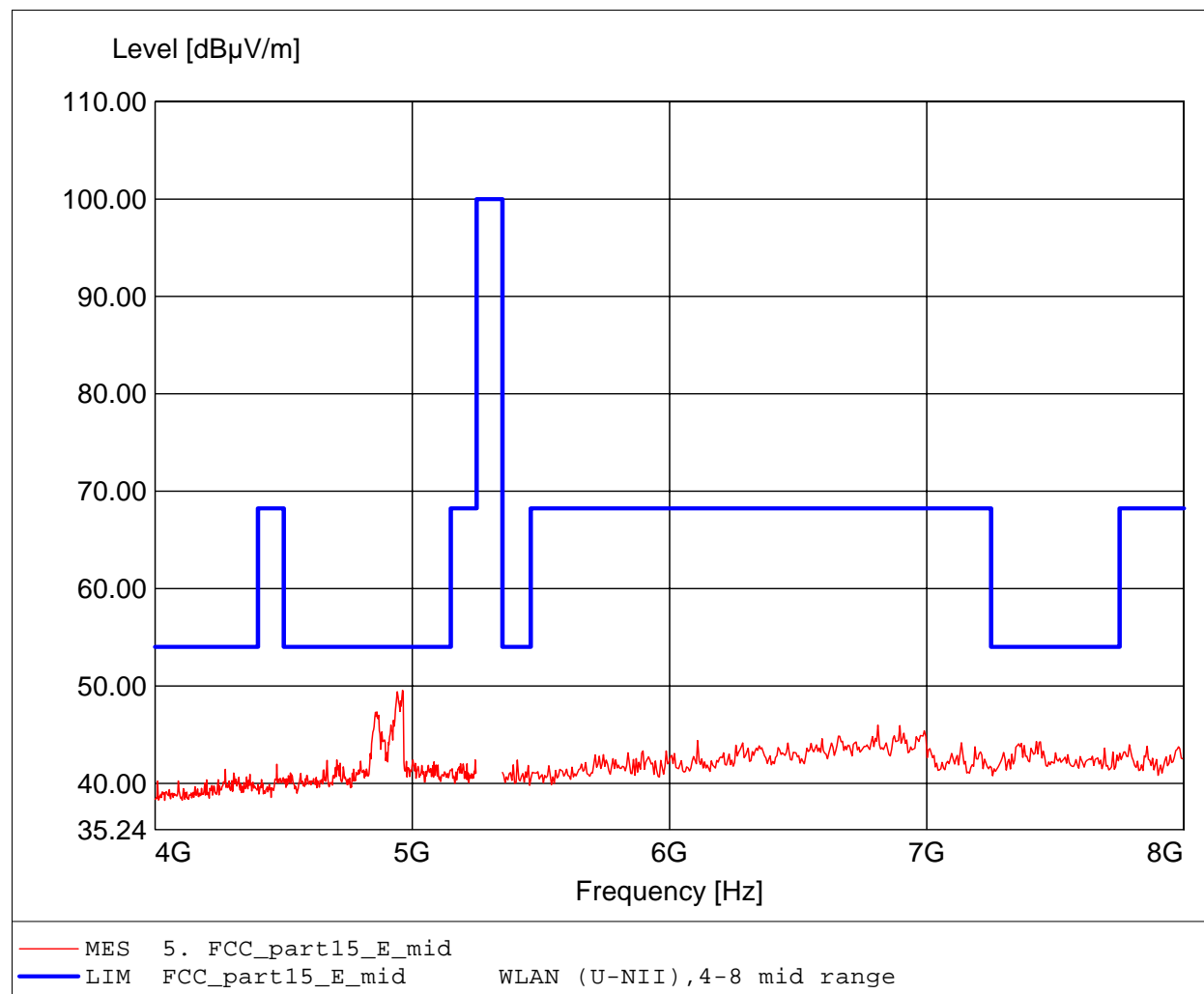
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.944GHz, Emax: 48.33dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

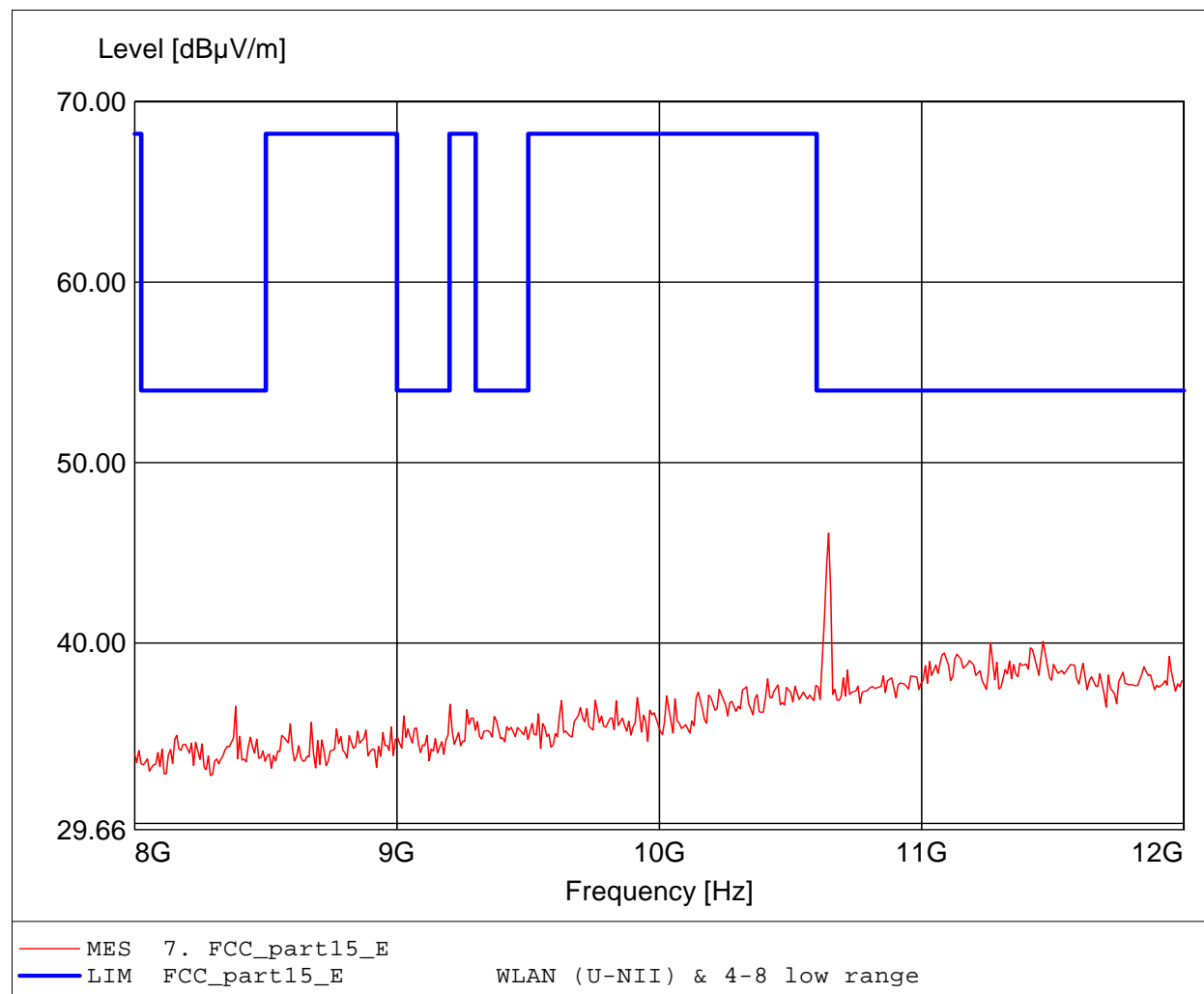
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 49.56dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

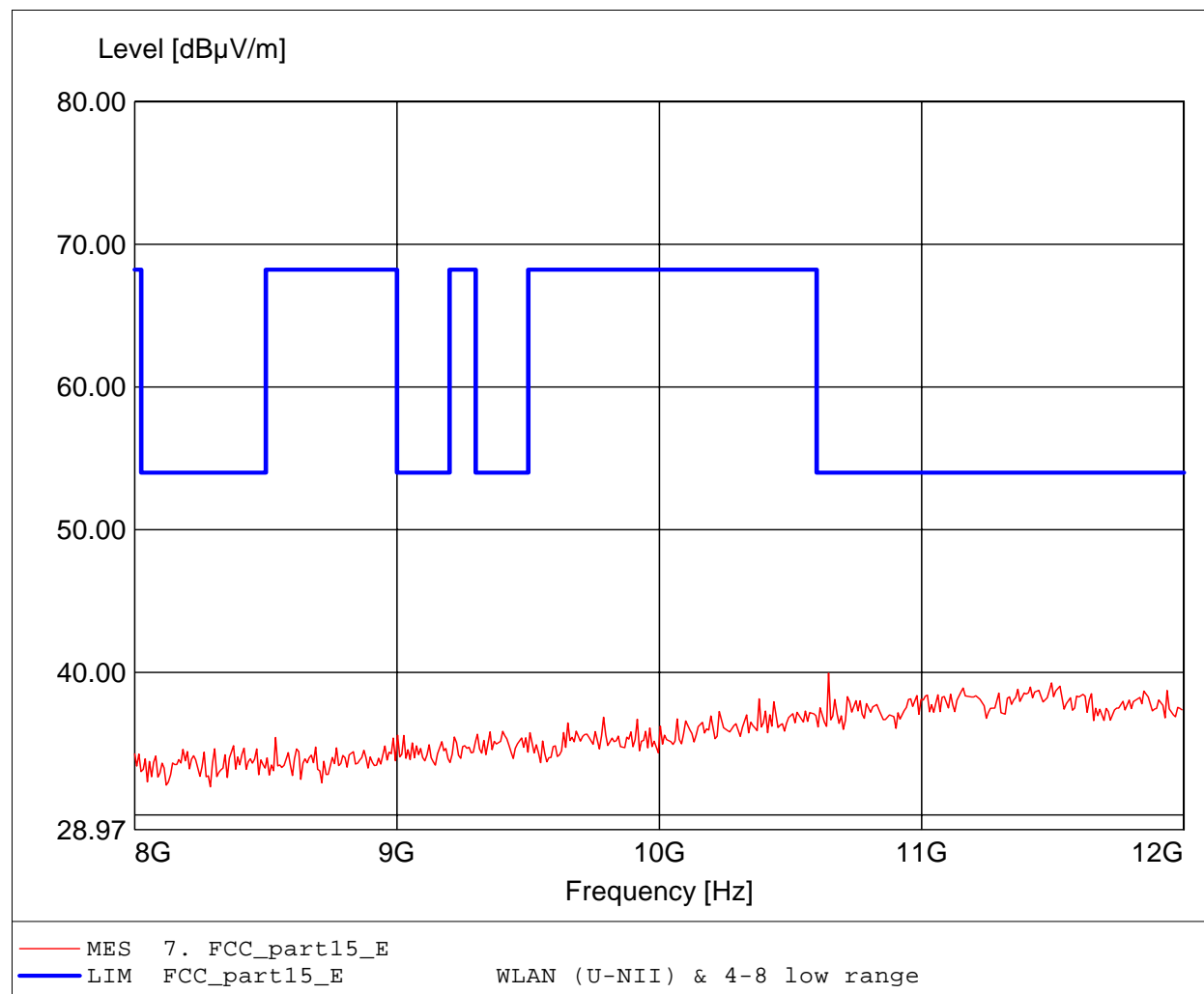
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.645GHz, Emax: 46.09dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

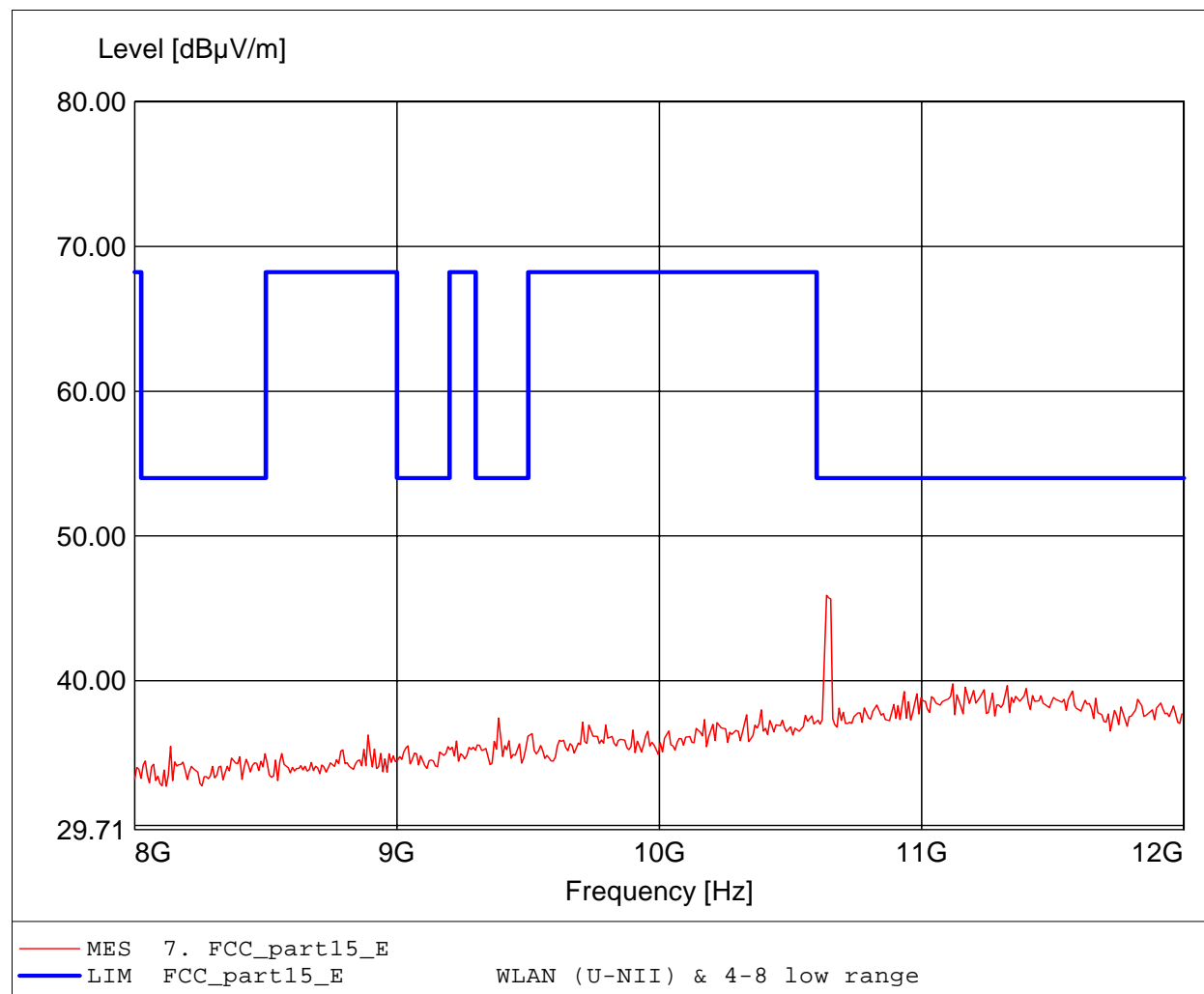
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.645GHz, Emax: 39.94dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

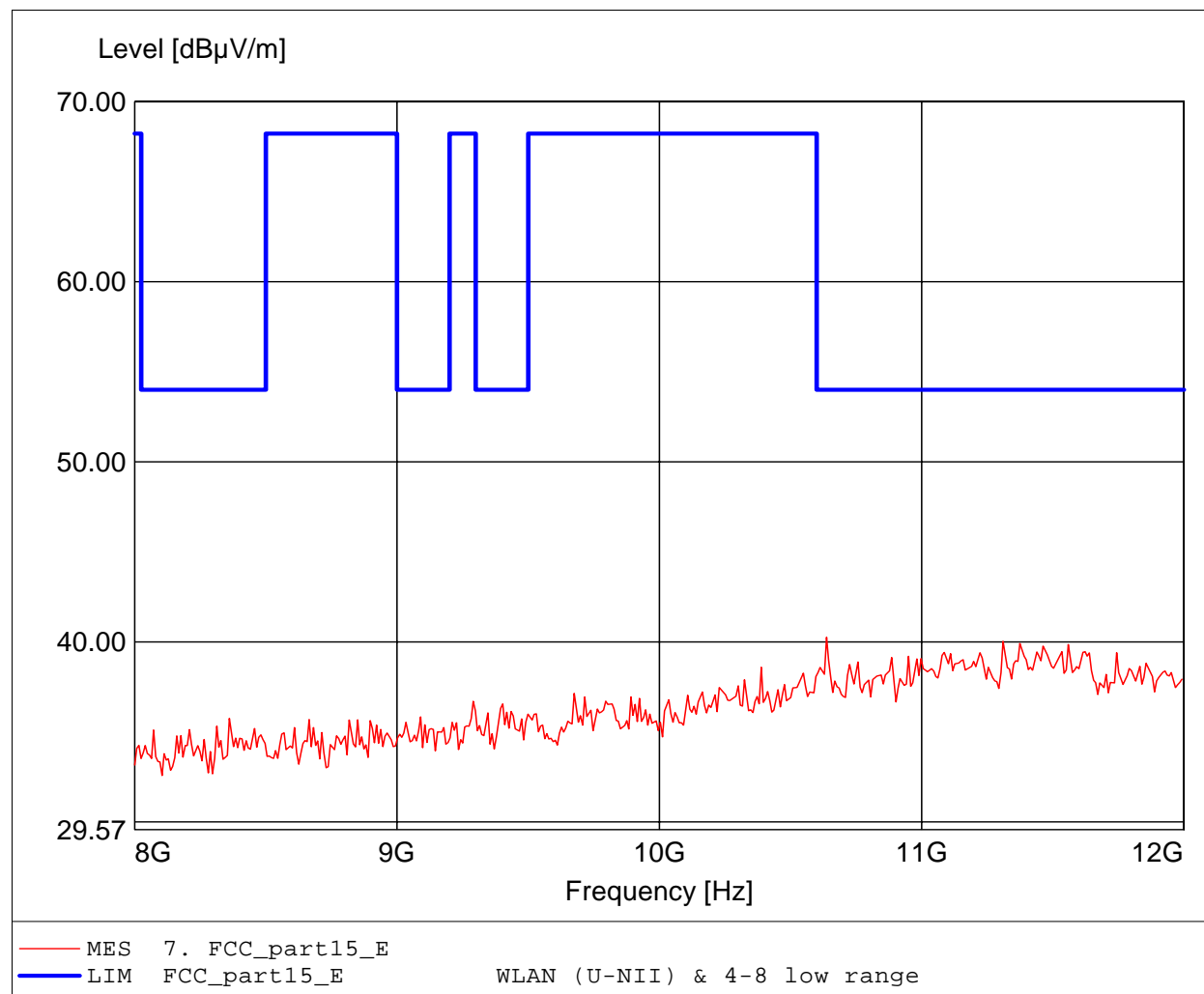
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.637GHz, Emax: 45.90dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

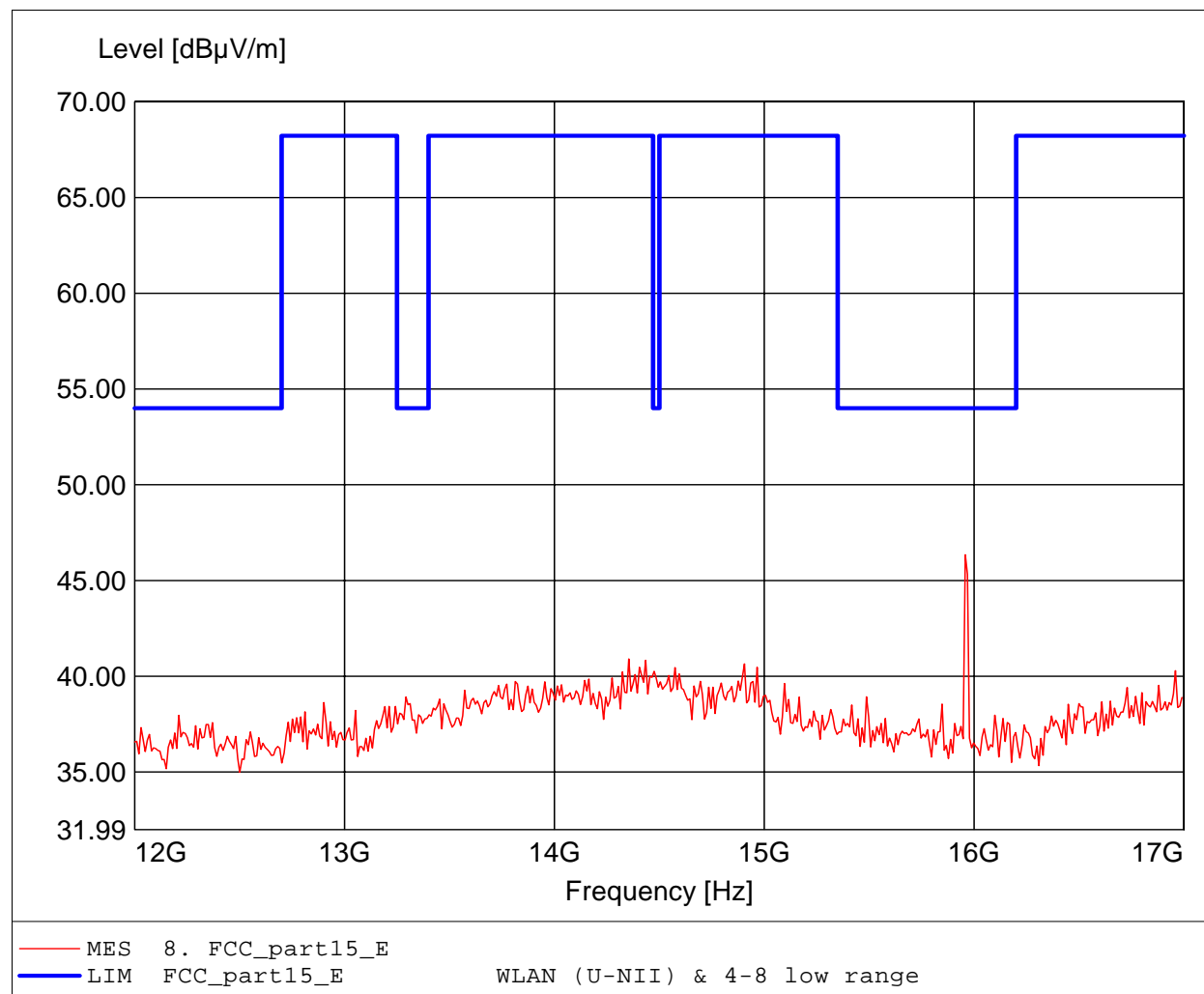
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.637GHz, Emax: 40.25dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

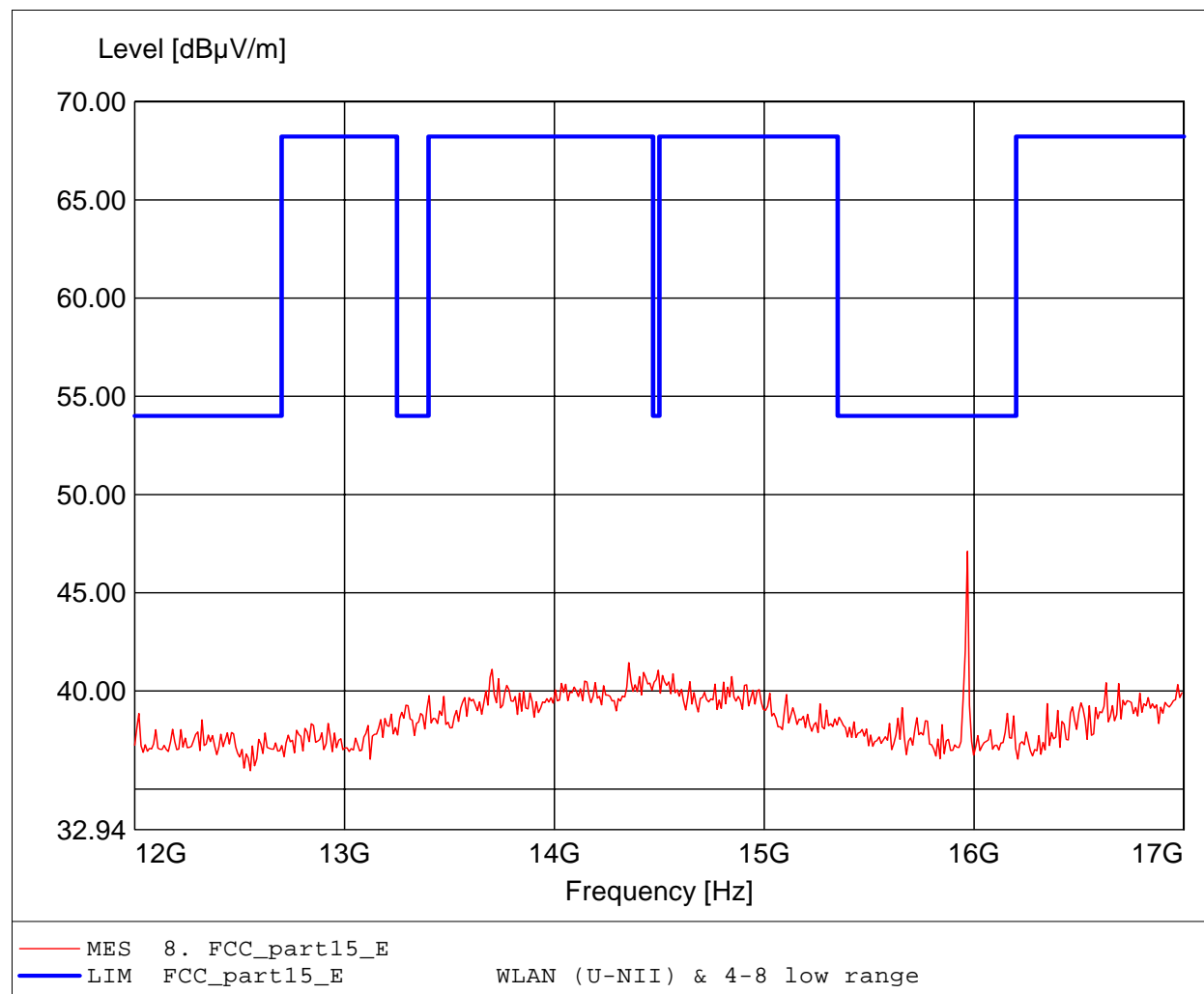
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 15.958GHz, Emax: 46.34dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

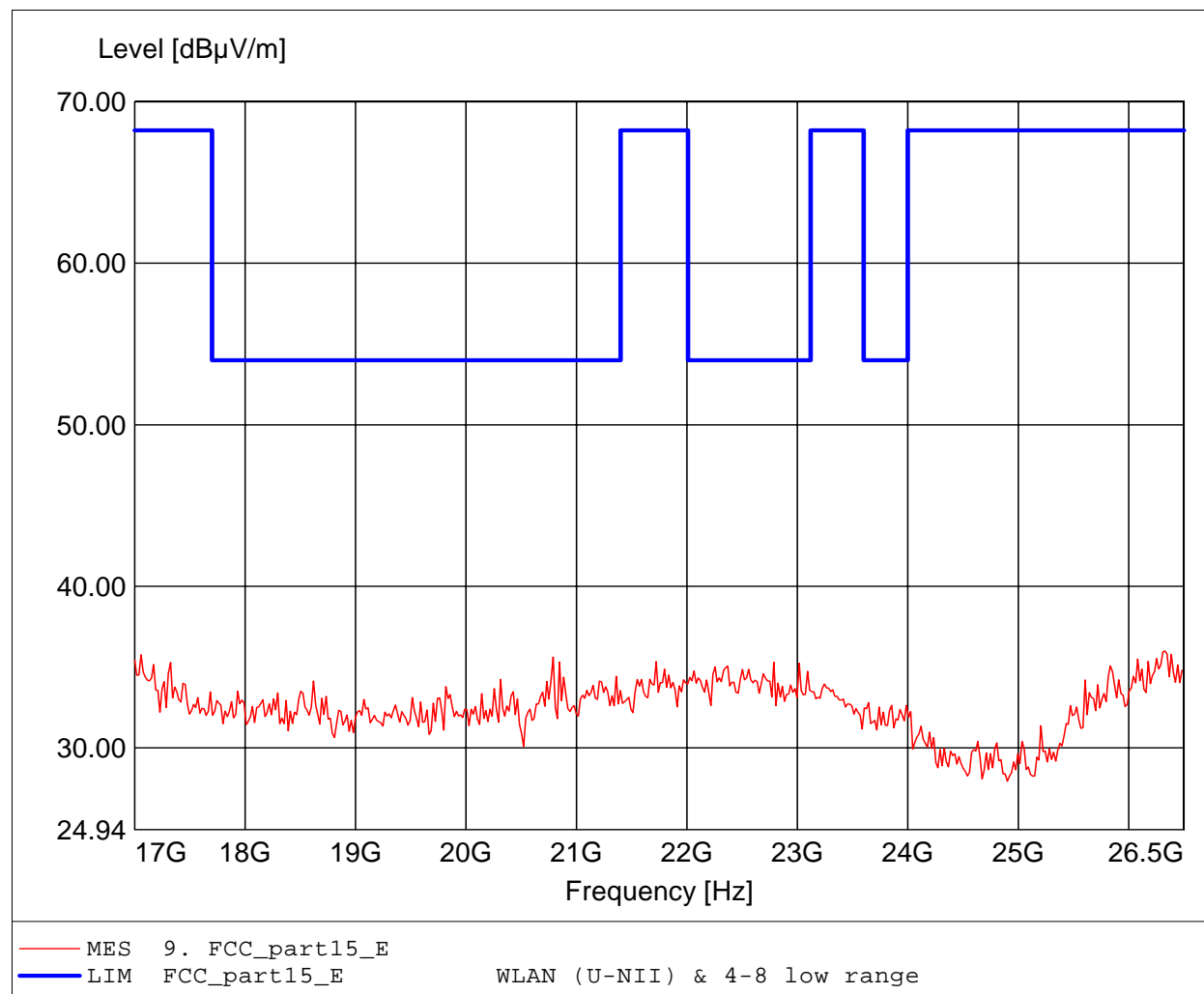
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 15.968GHz, Emax: 47.11dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

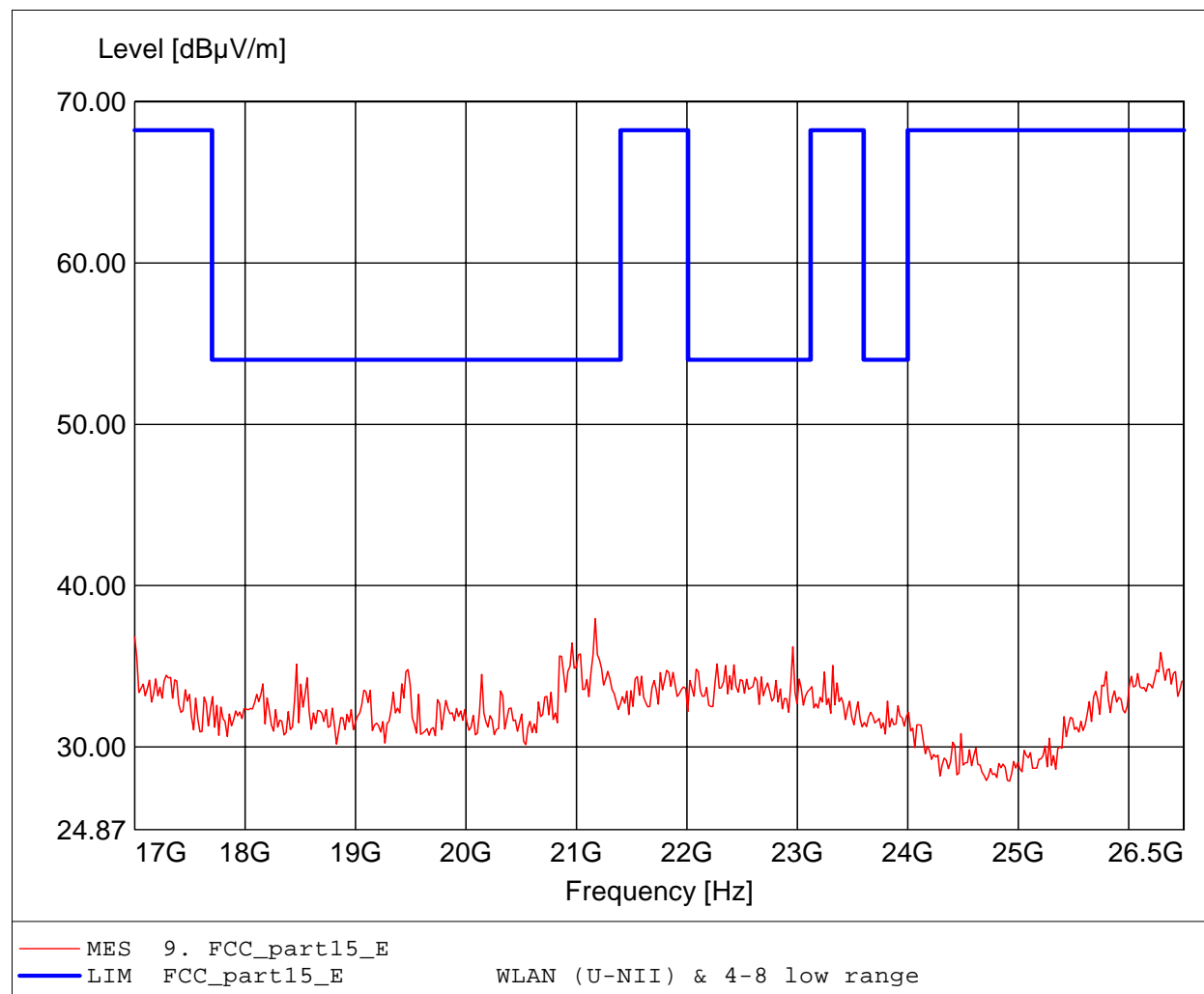
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 26.329GHz, Emax: 36.00dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

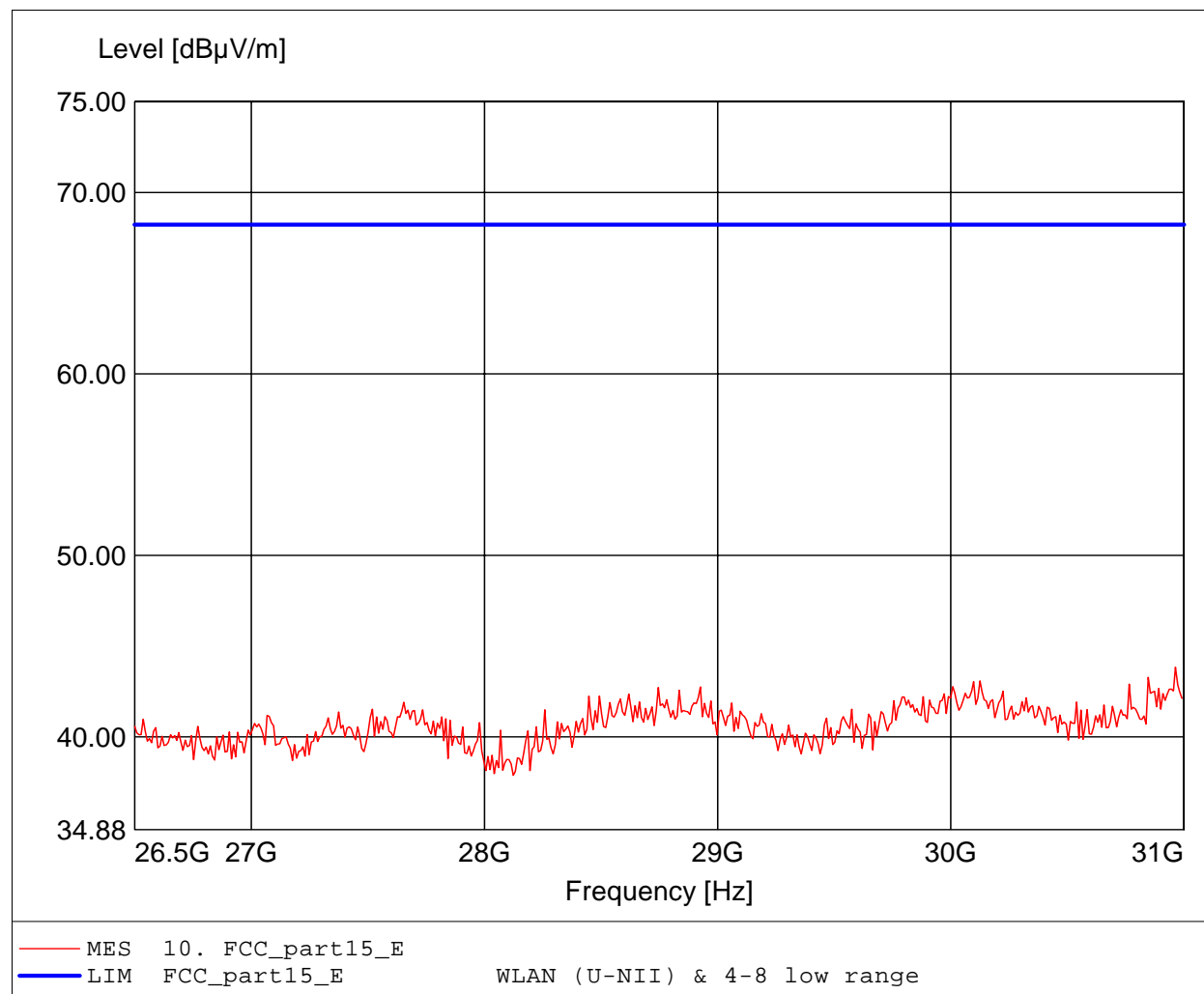
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 21.169GHz, Emax: 37.95dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

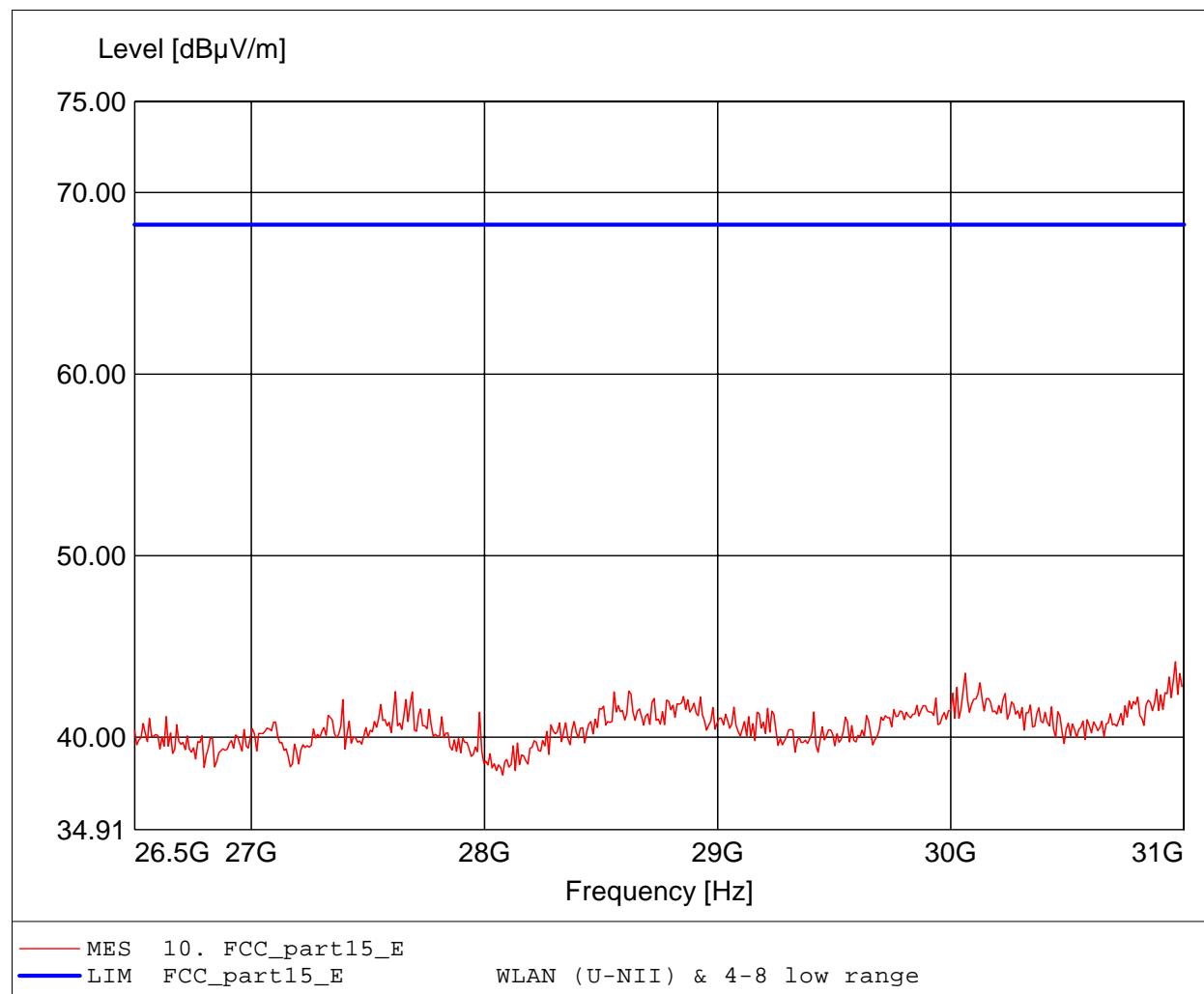
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.964GHz, Emax: 43.83dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

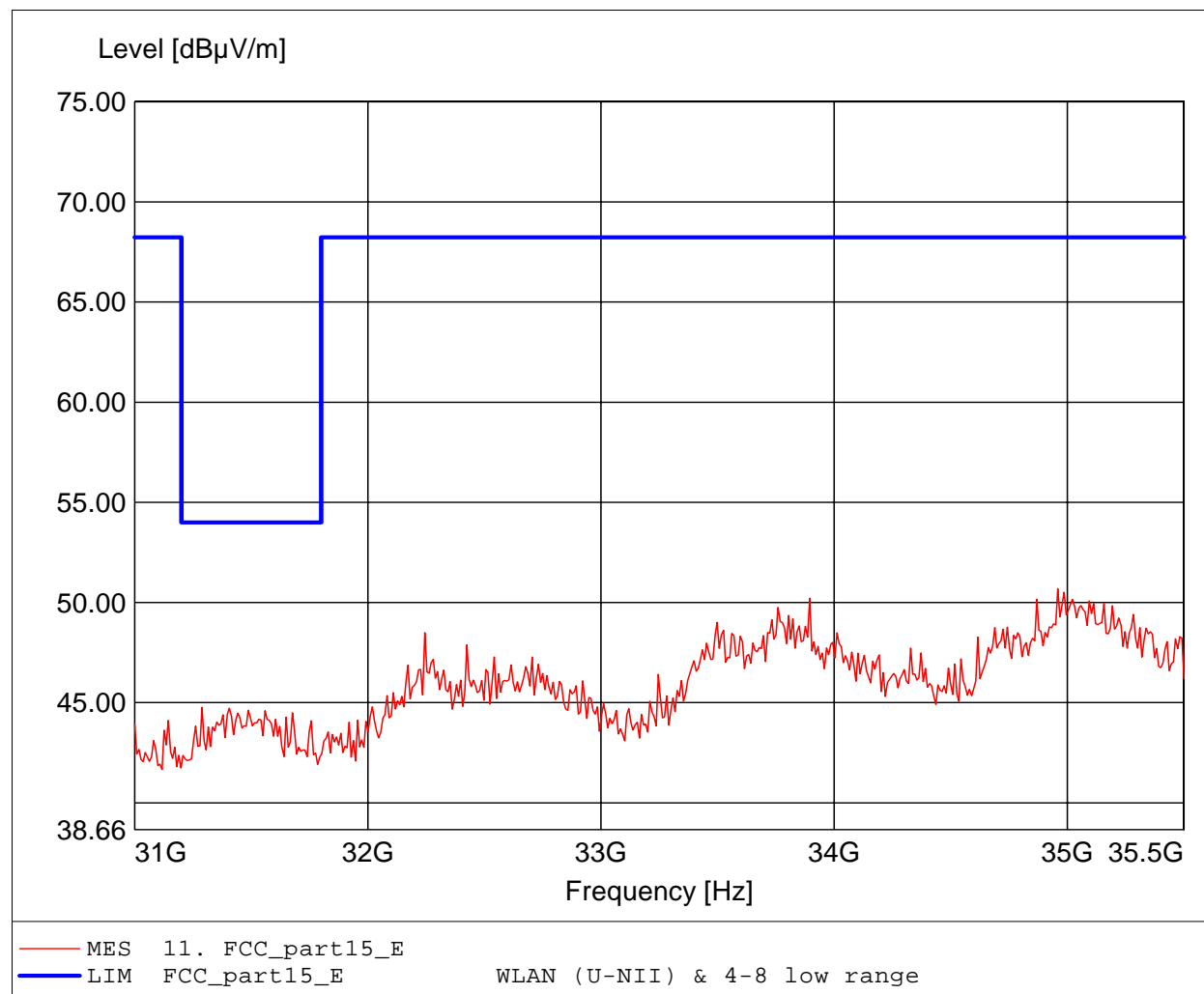
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.964GHz, Emax: 44.16dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

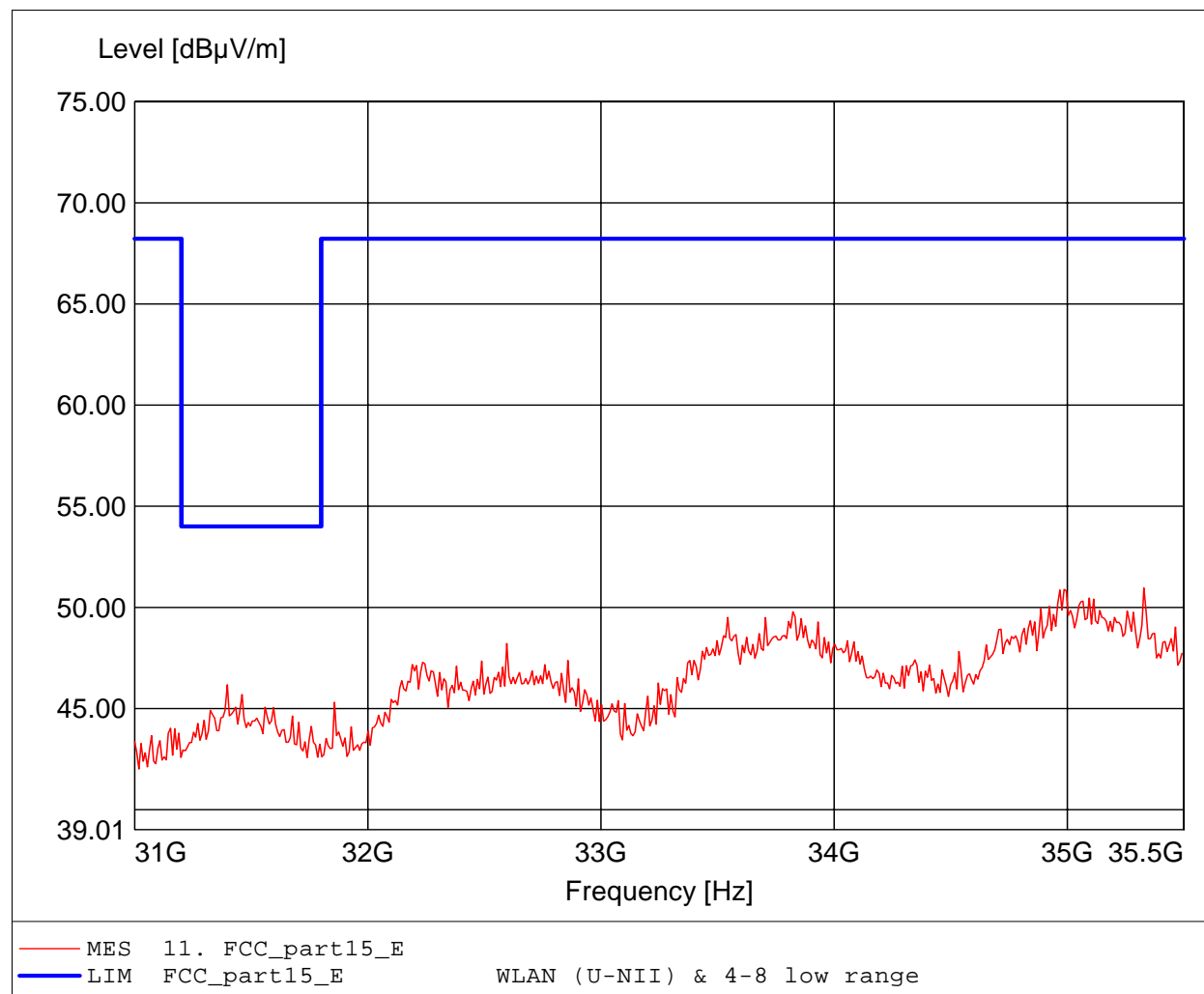
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 34.959GHz, Emax: 50.68dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

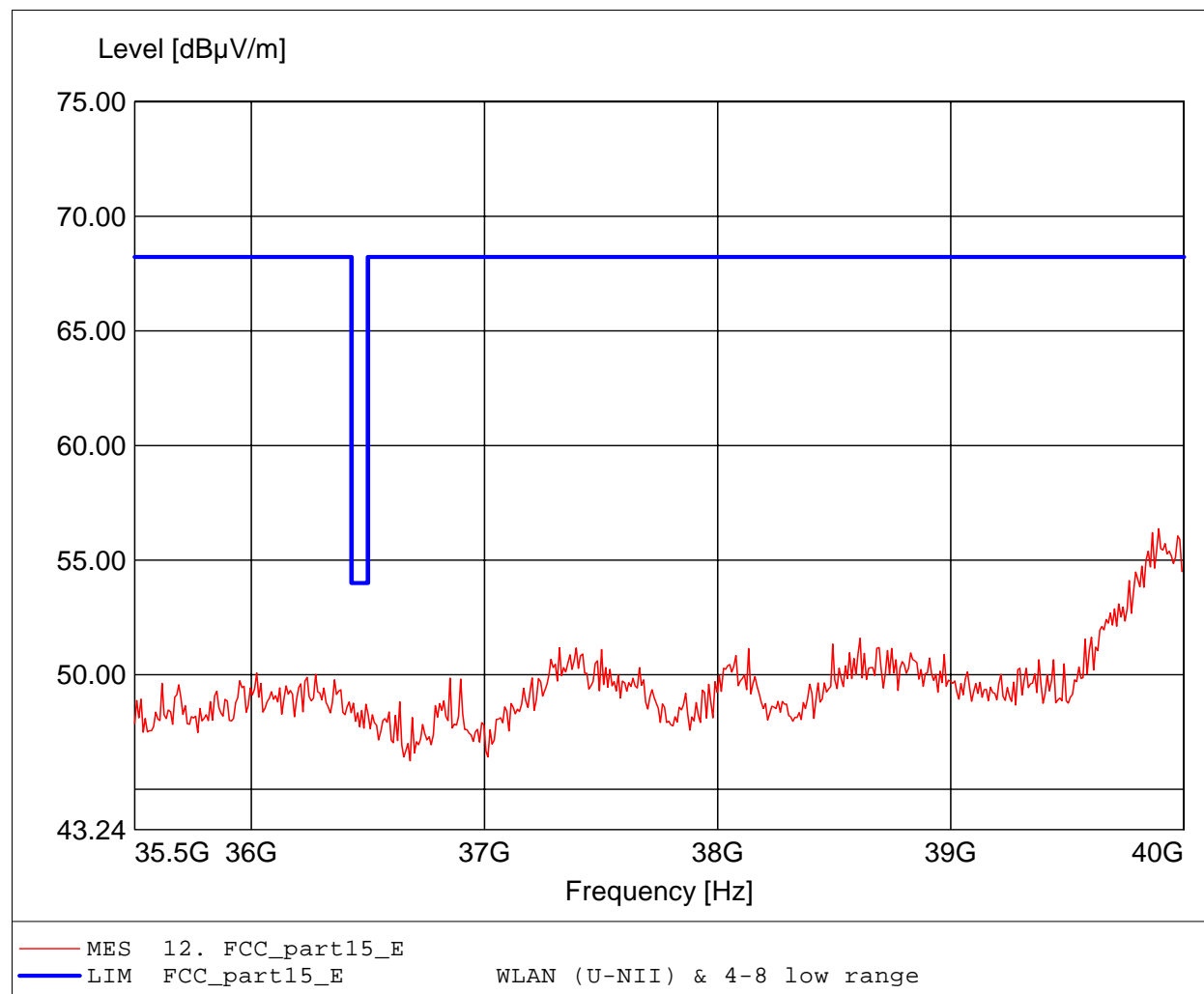
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.329GHz, Emax: 50.96dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

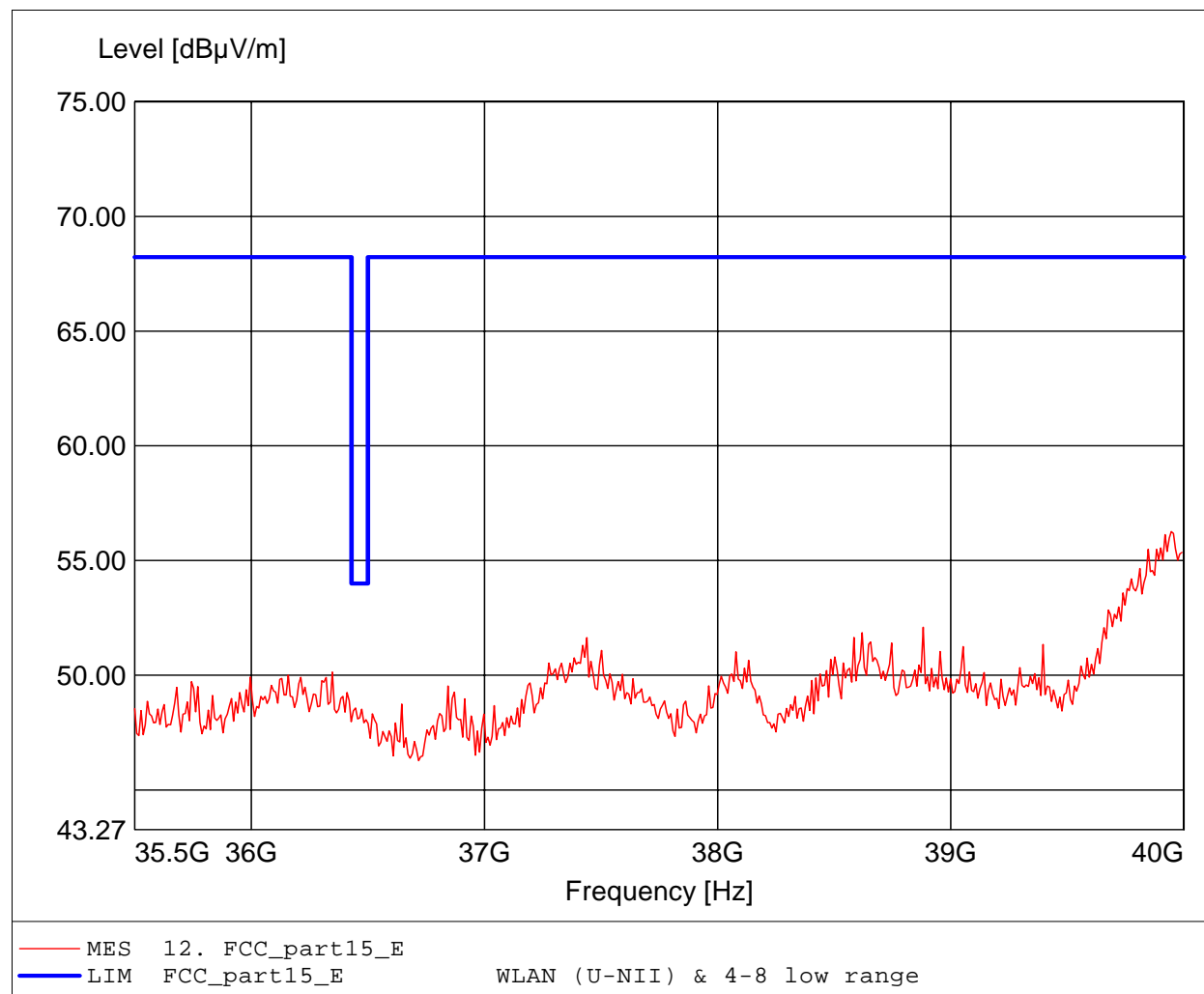
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.892GHz, Emax: 56.37dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

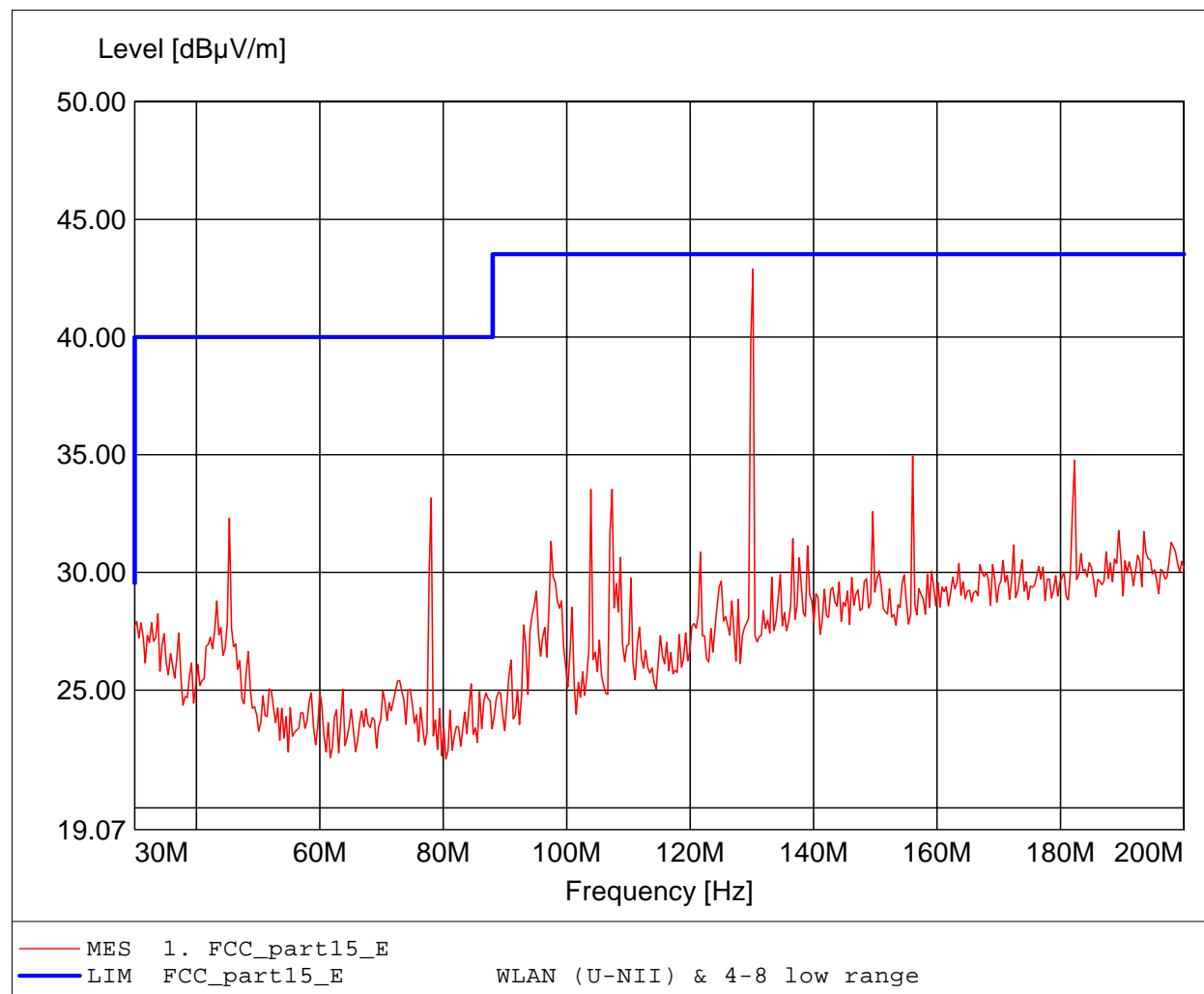
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5320 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.946GHz, Emax: 56.27dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

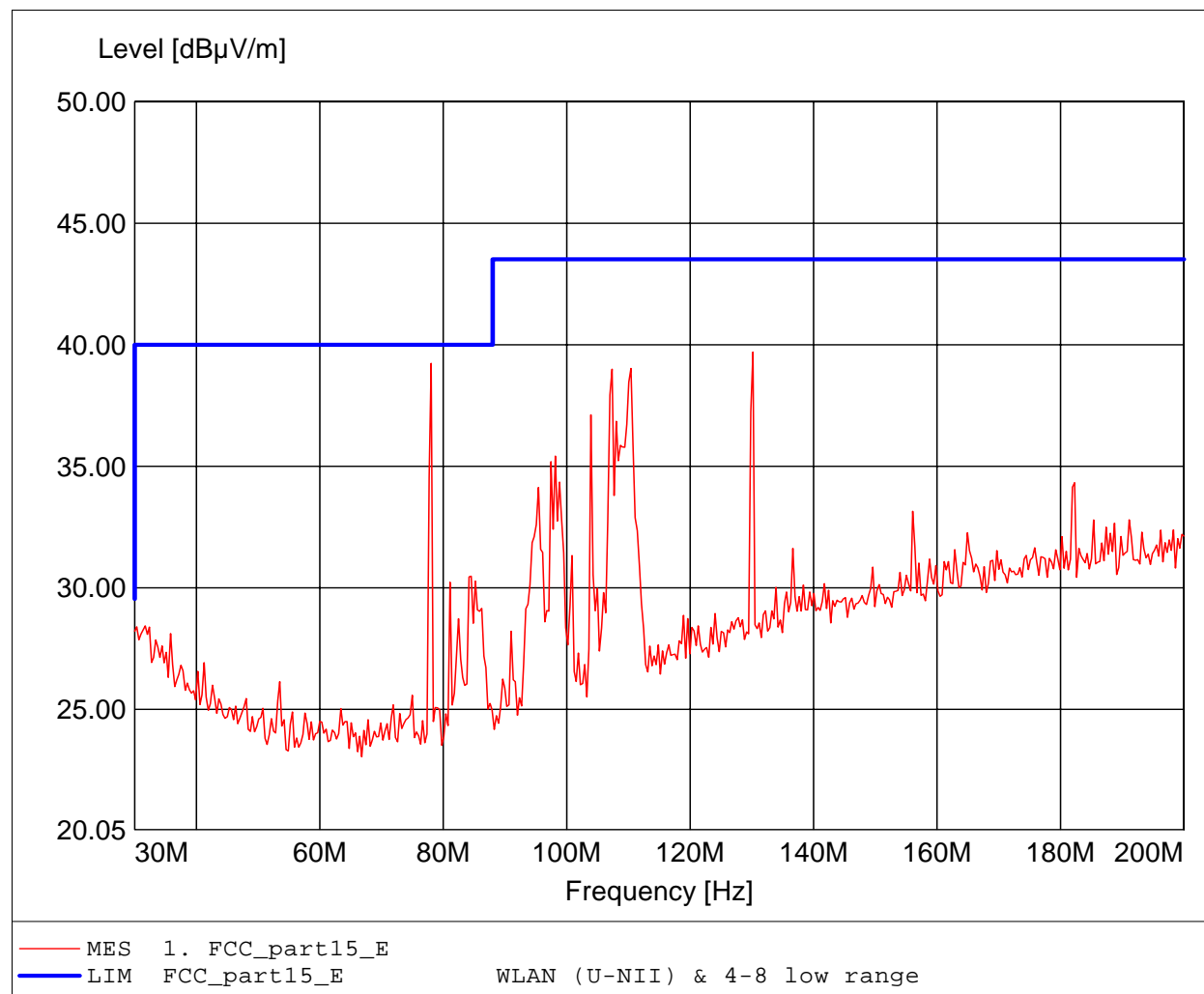
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 130.160MHz, Emax: 42.89dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

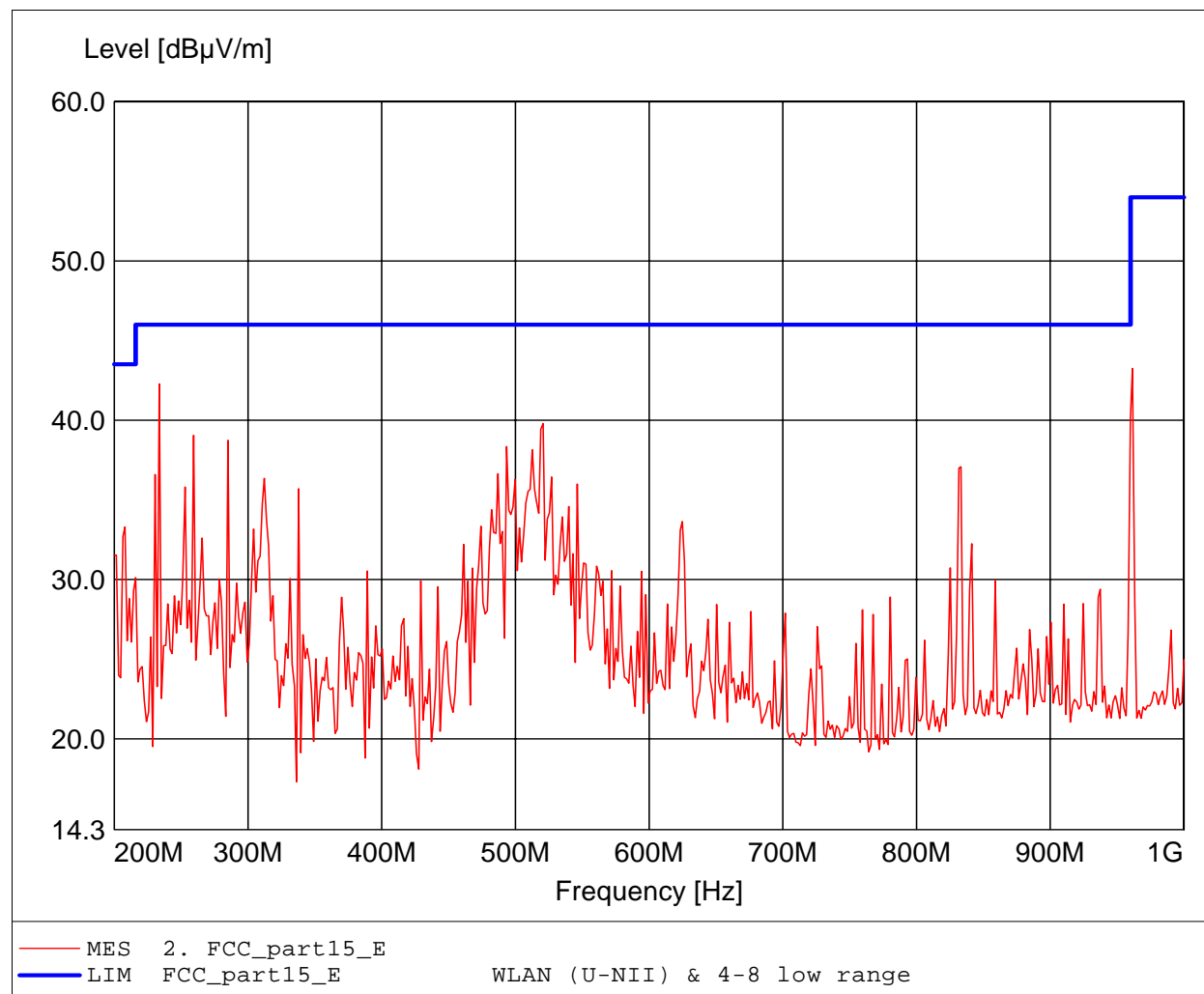
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 130.160MHz, Emax: 39.70dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

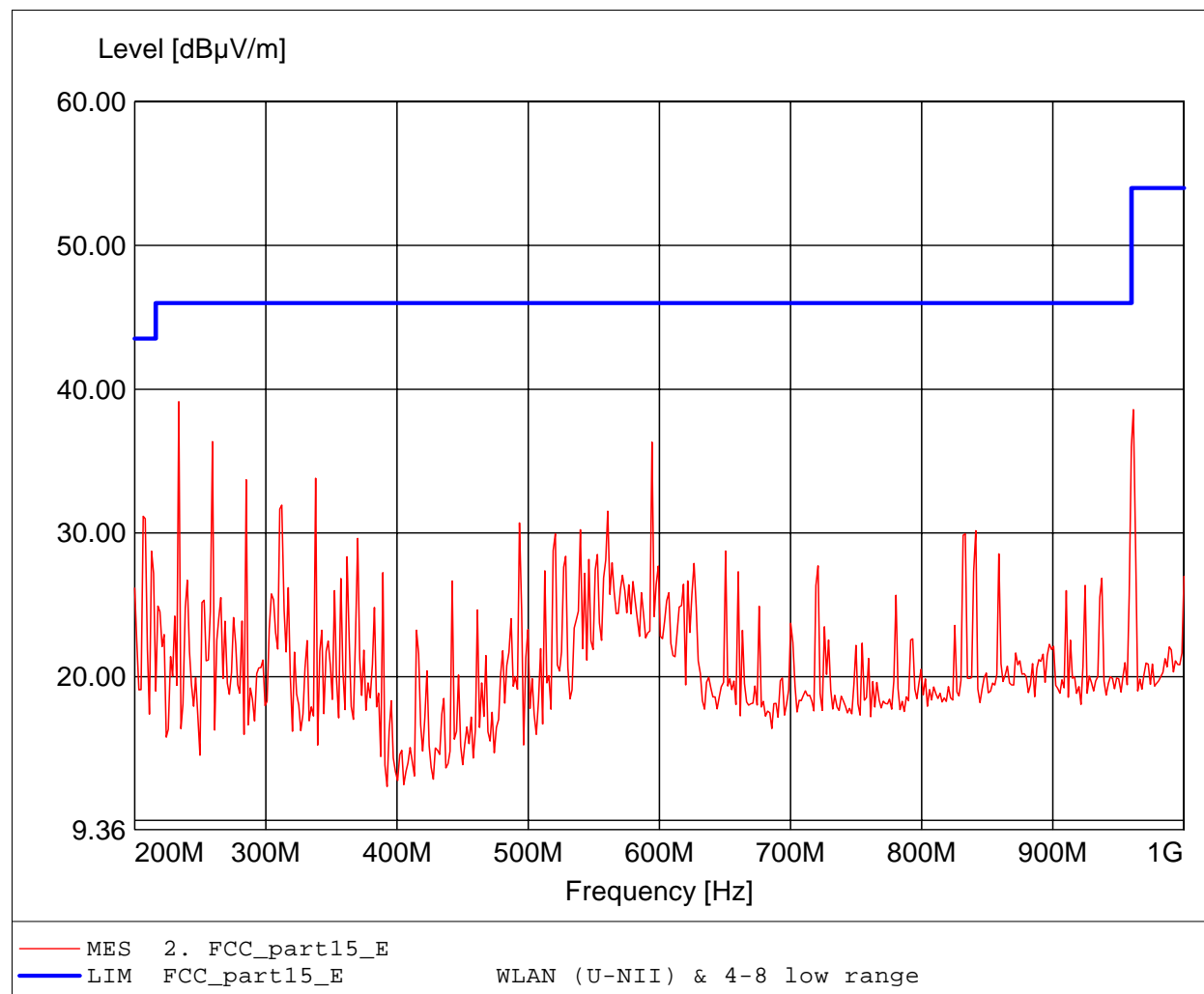
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 961.523MHz, Emax: 43.26dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

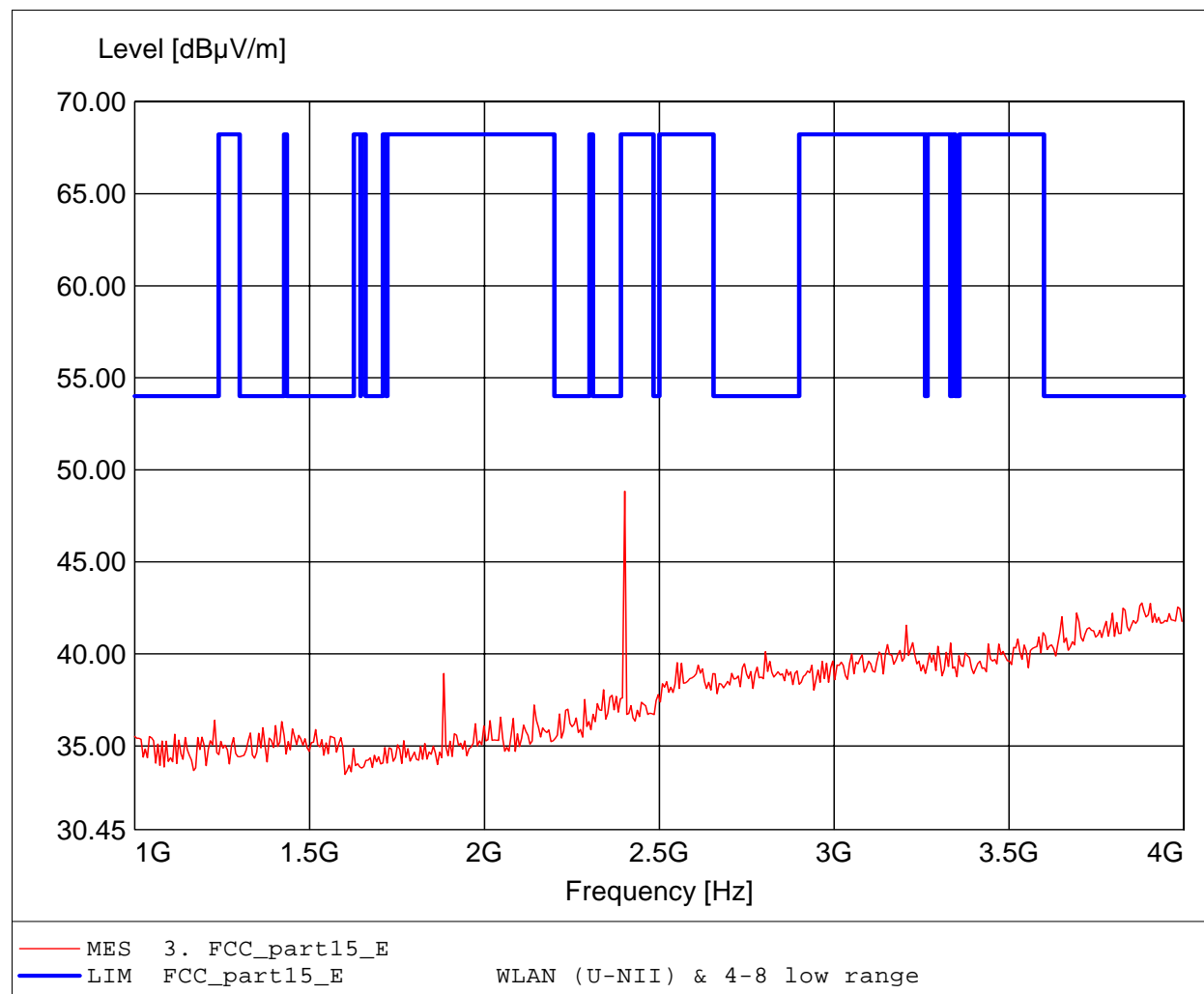
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 233.667MHz, Emax: 39.14dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

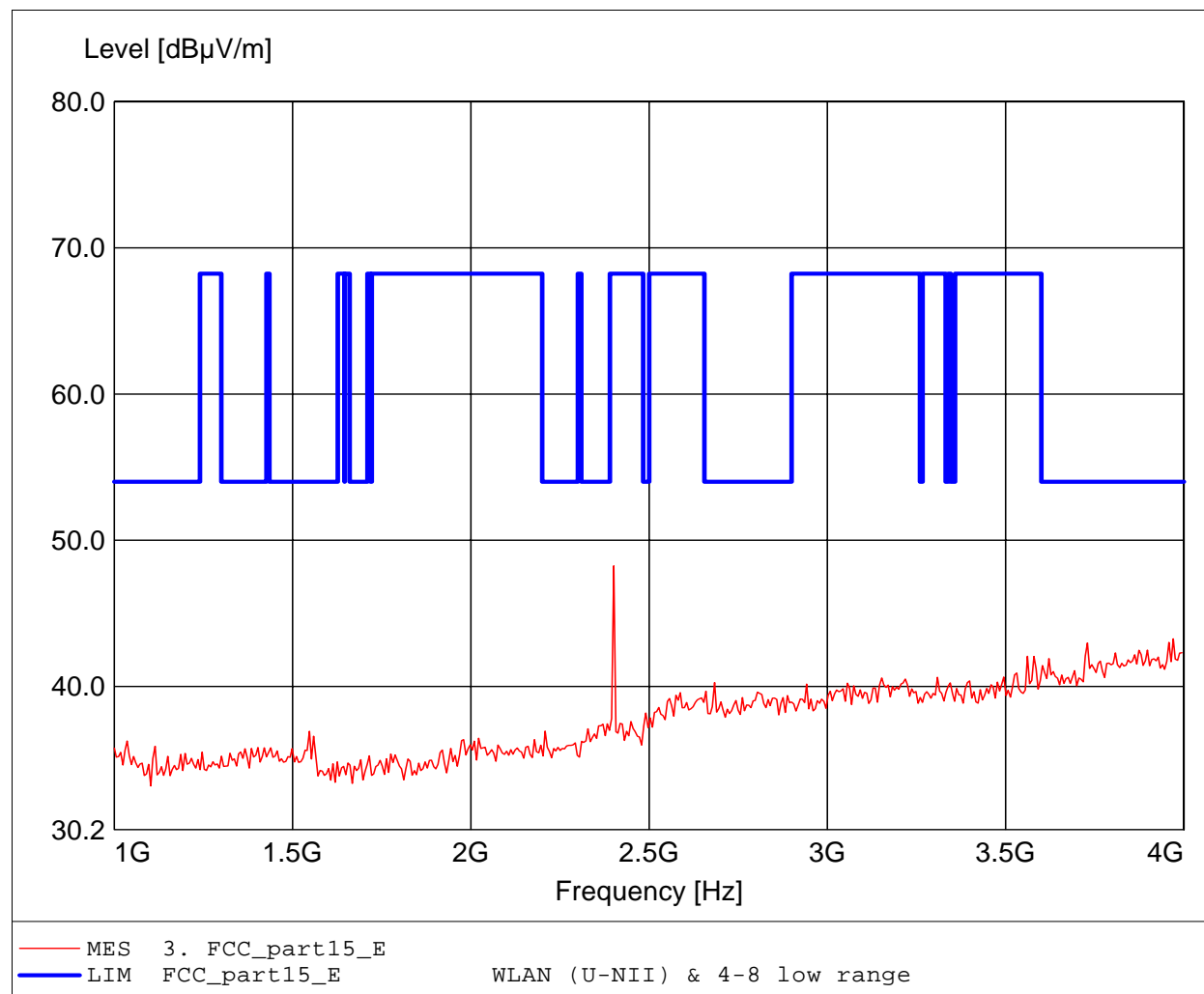
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 48.83dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

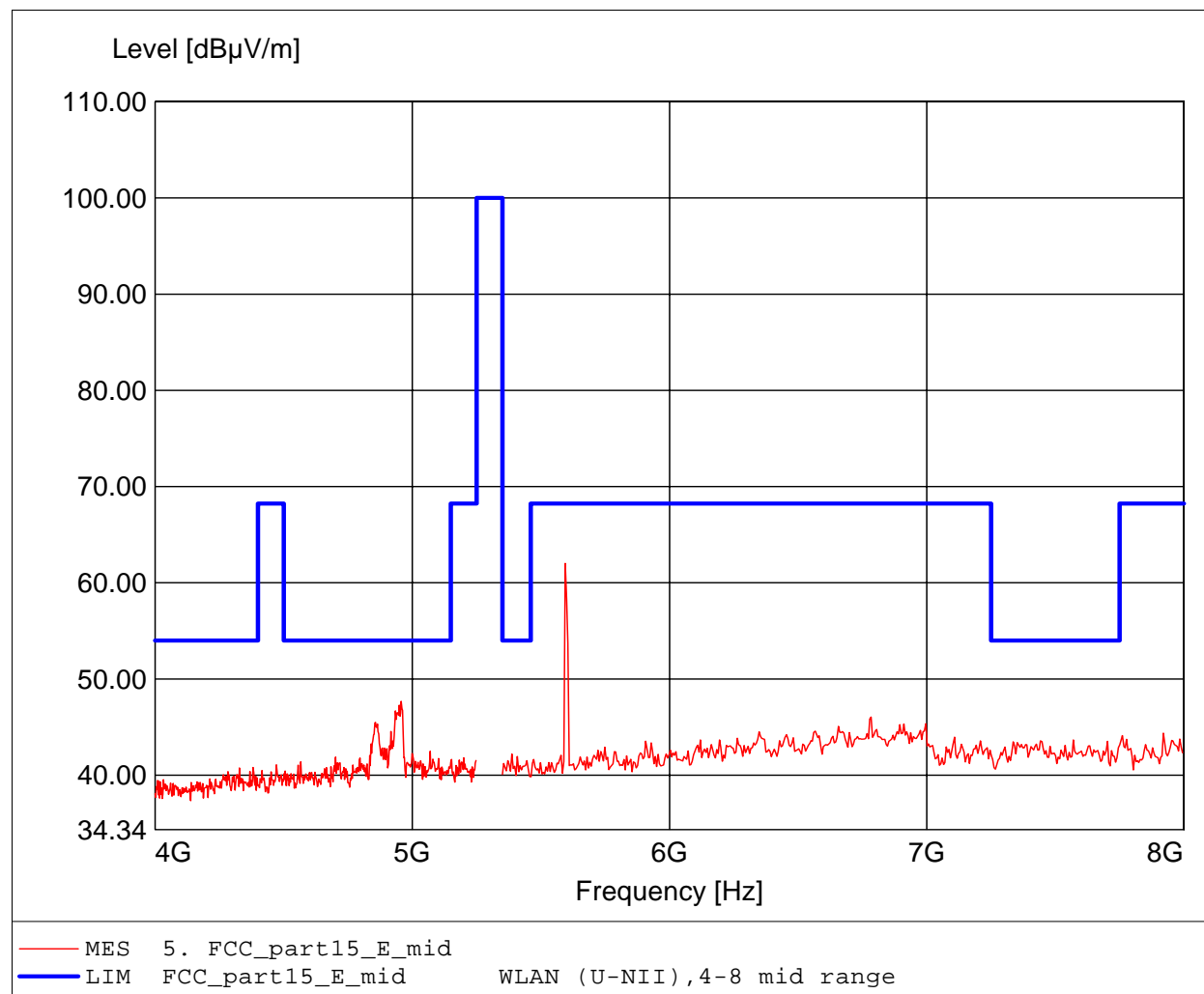
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 48.24dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

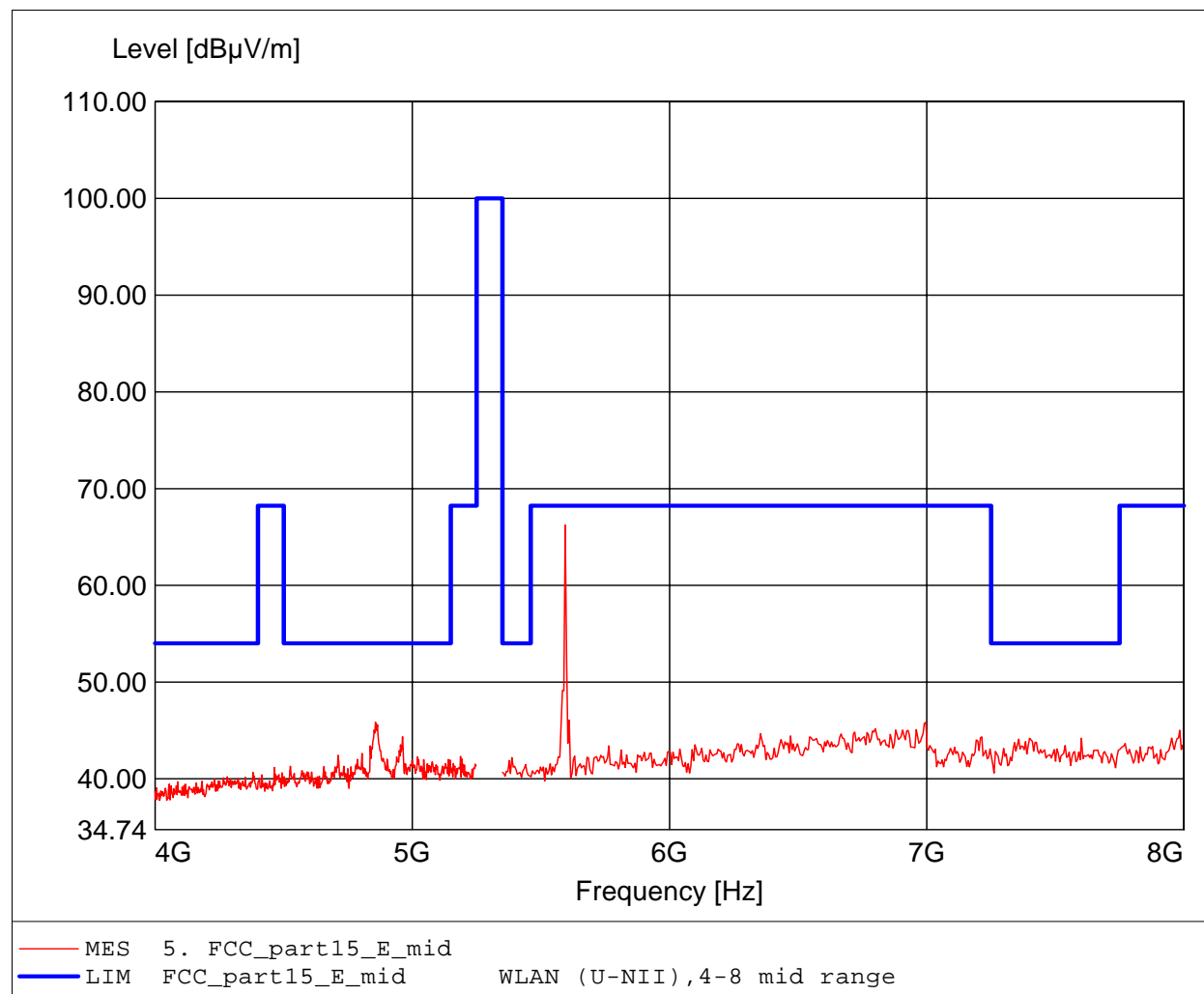
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.594GHz, Emax: 62.02dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

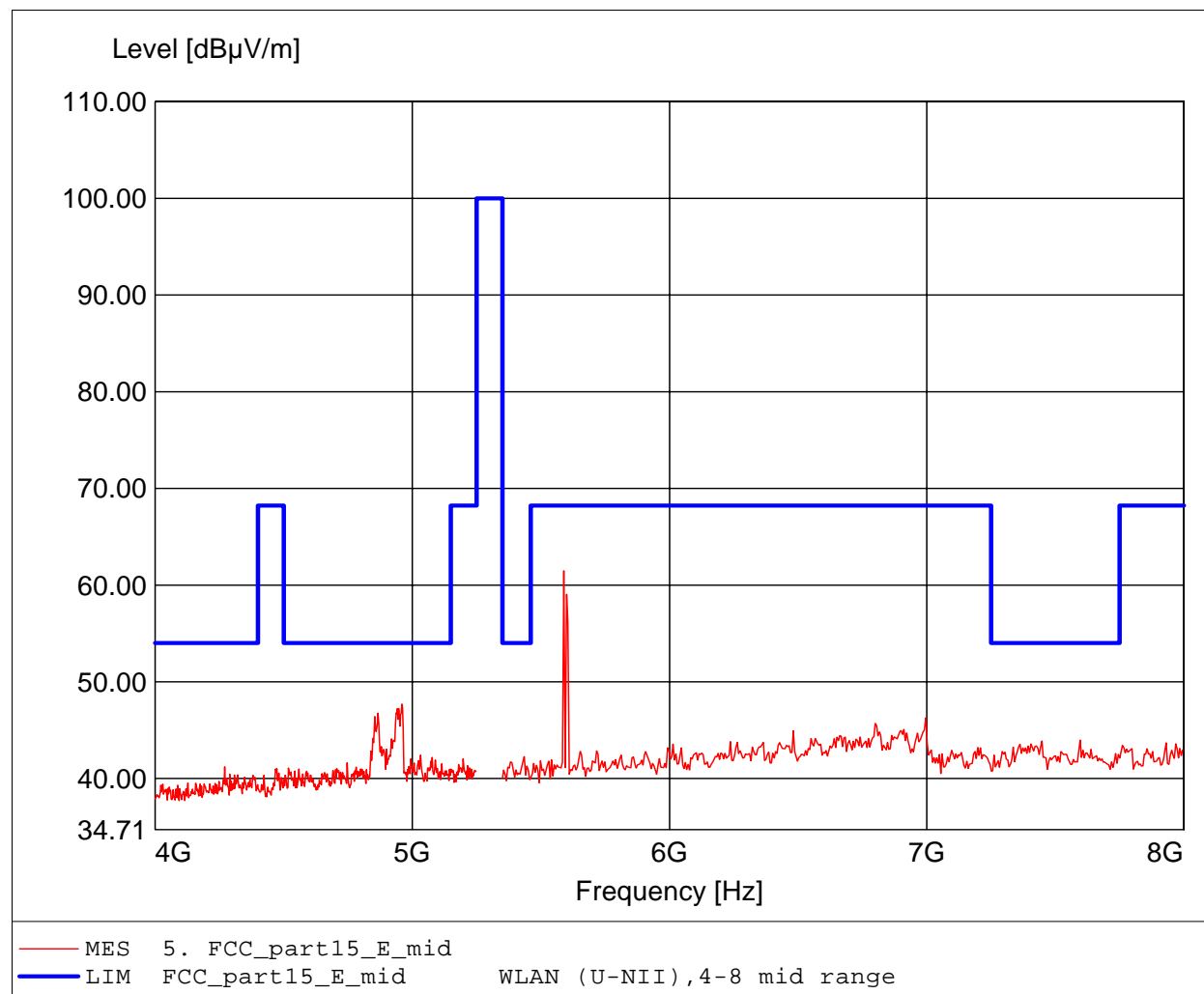
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.594GHz, Emax: 66.23dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

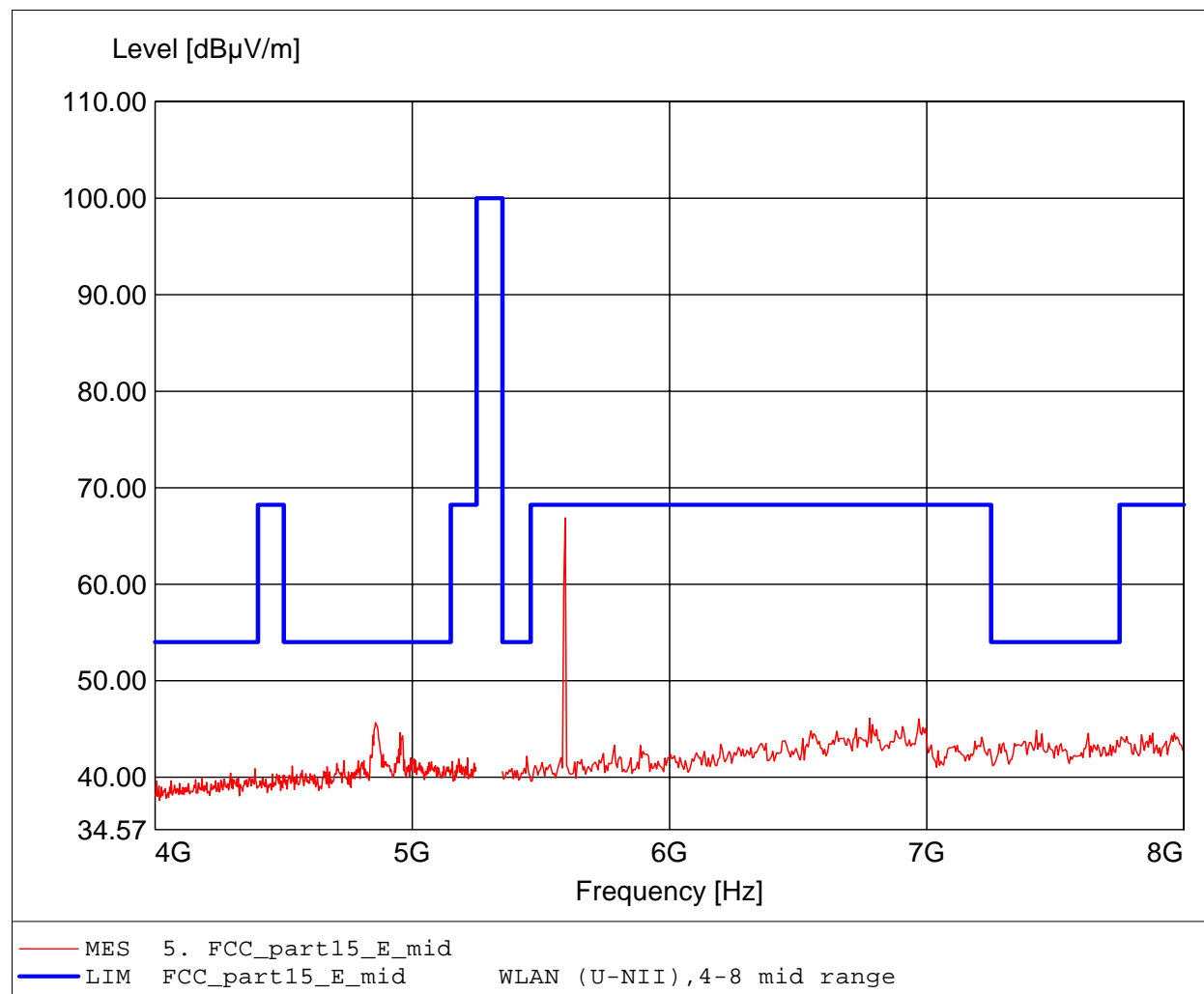
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.589GHz, Emax: 61.49dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

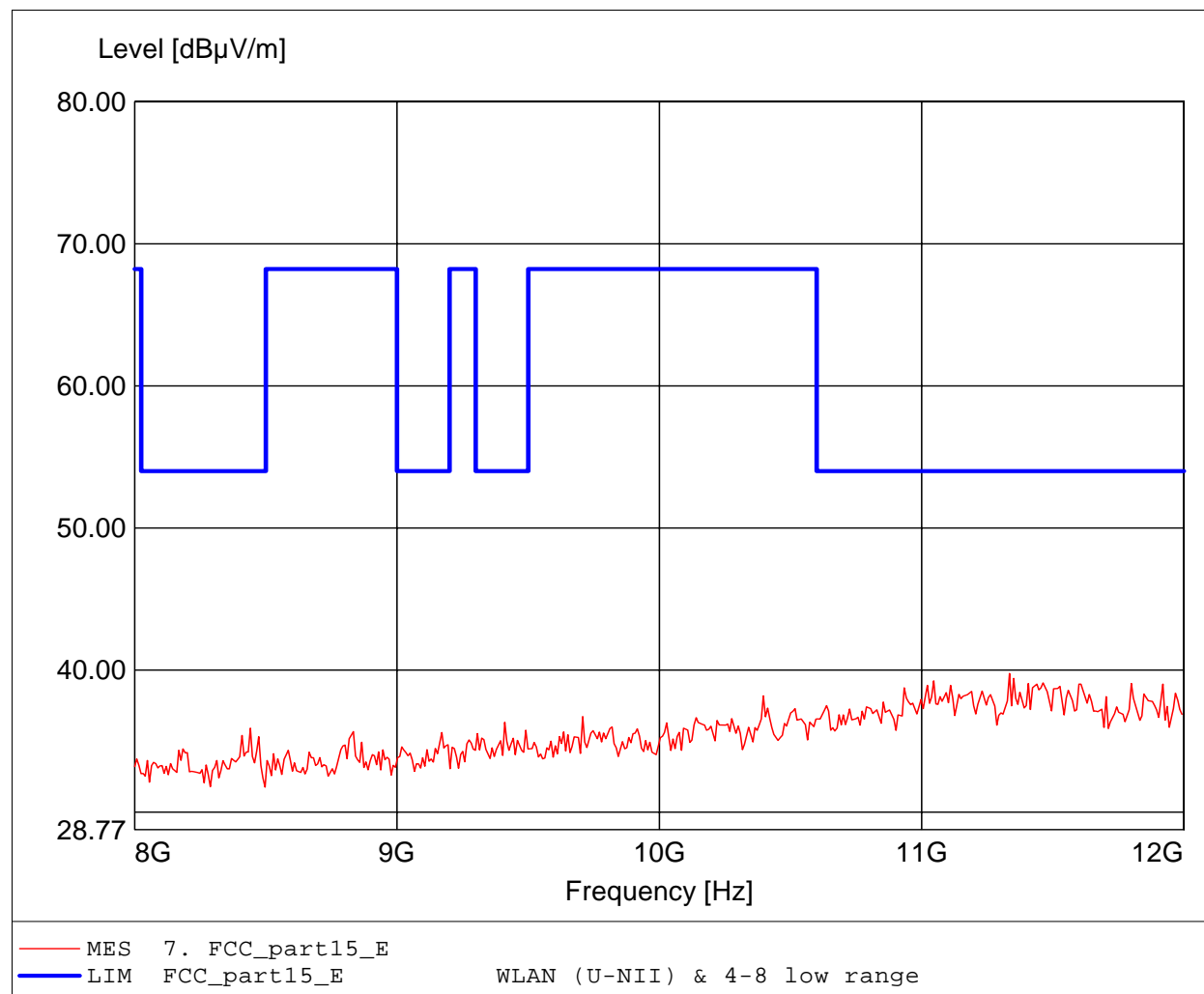
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.594GHz, Emax: 66.89dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

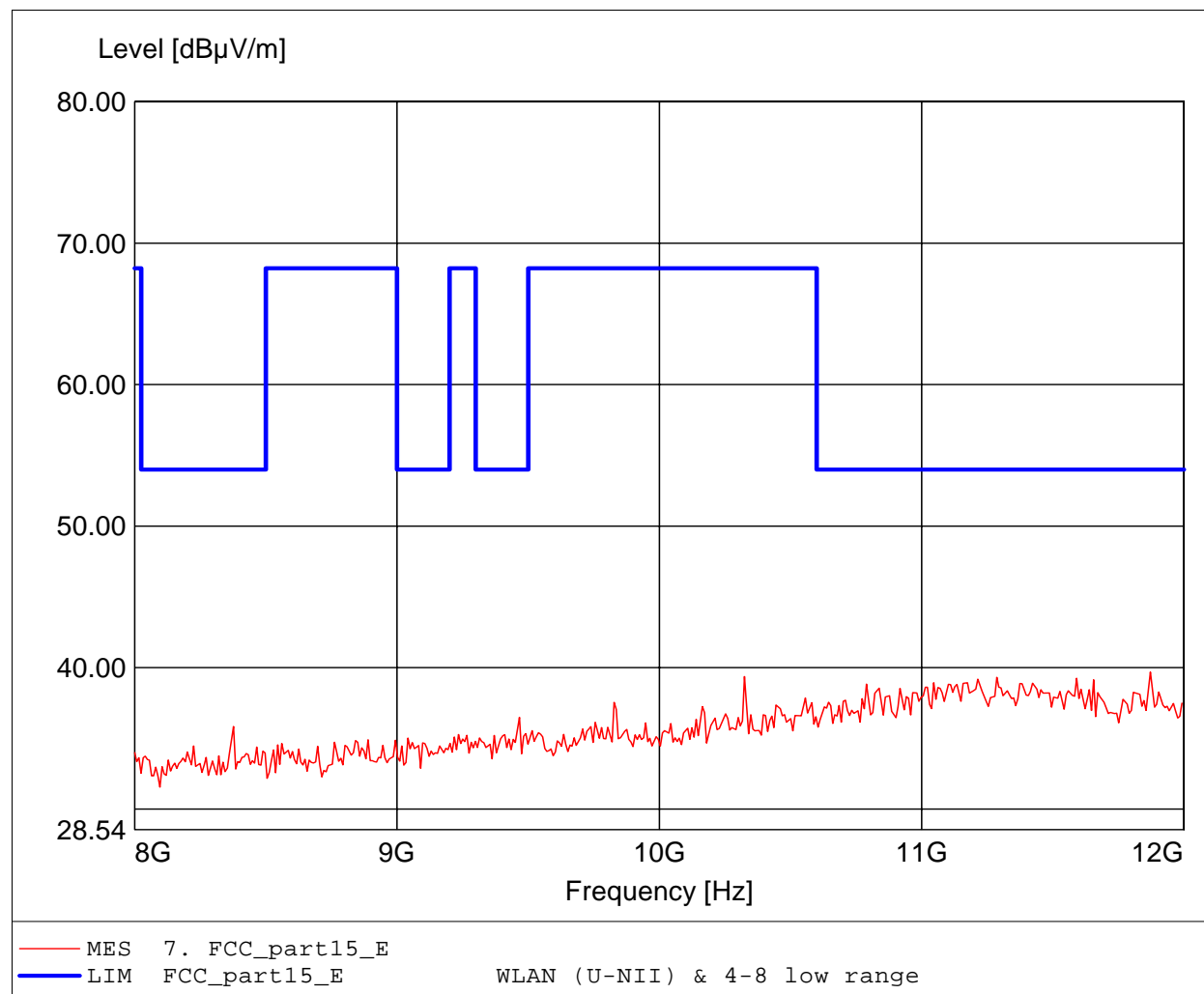
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.335GHz, Emax: 39.76dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

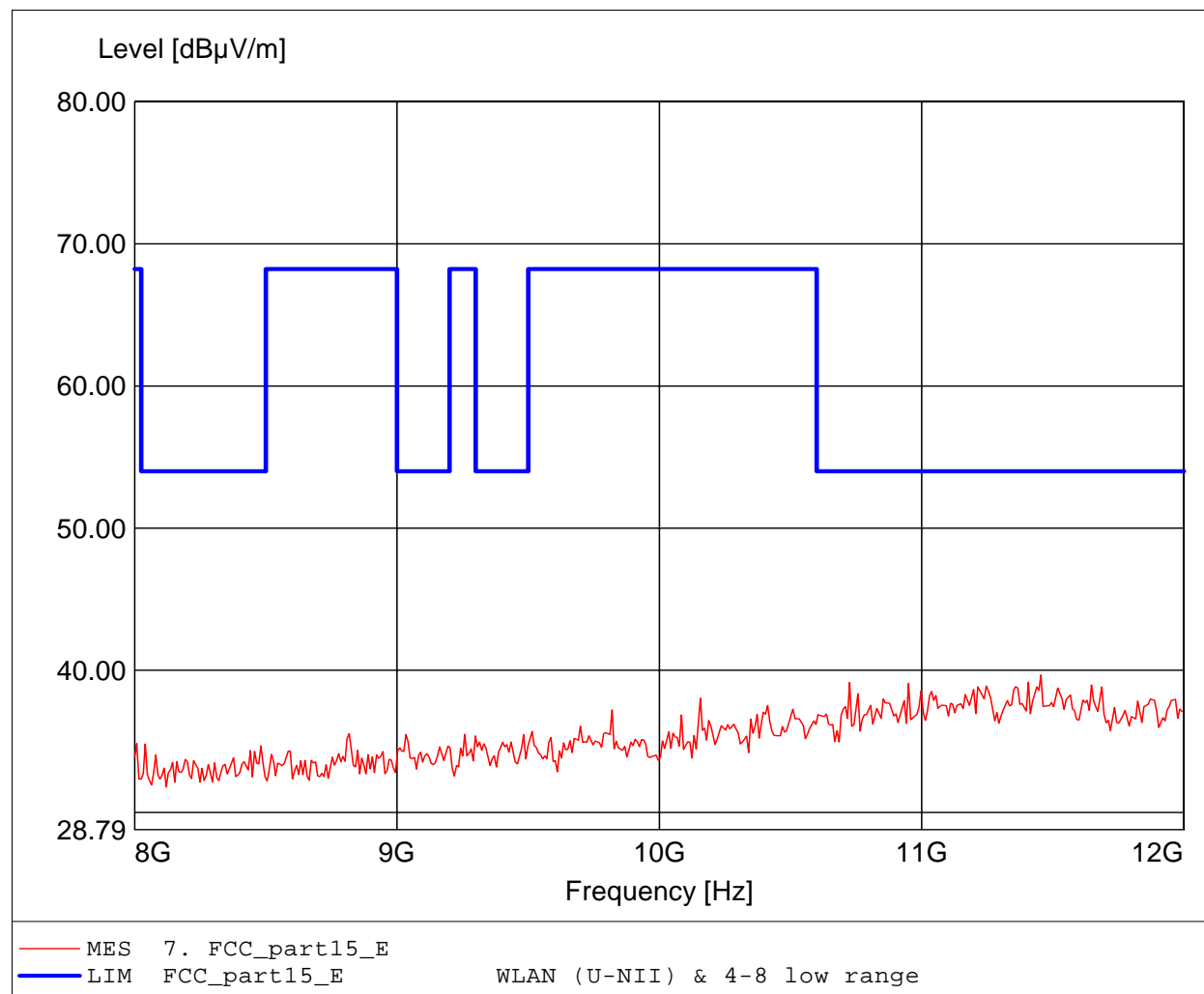
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.872GHz, Emax: 39.67dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

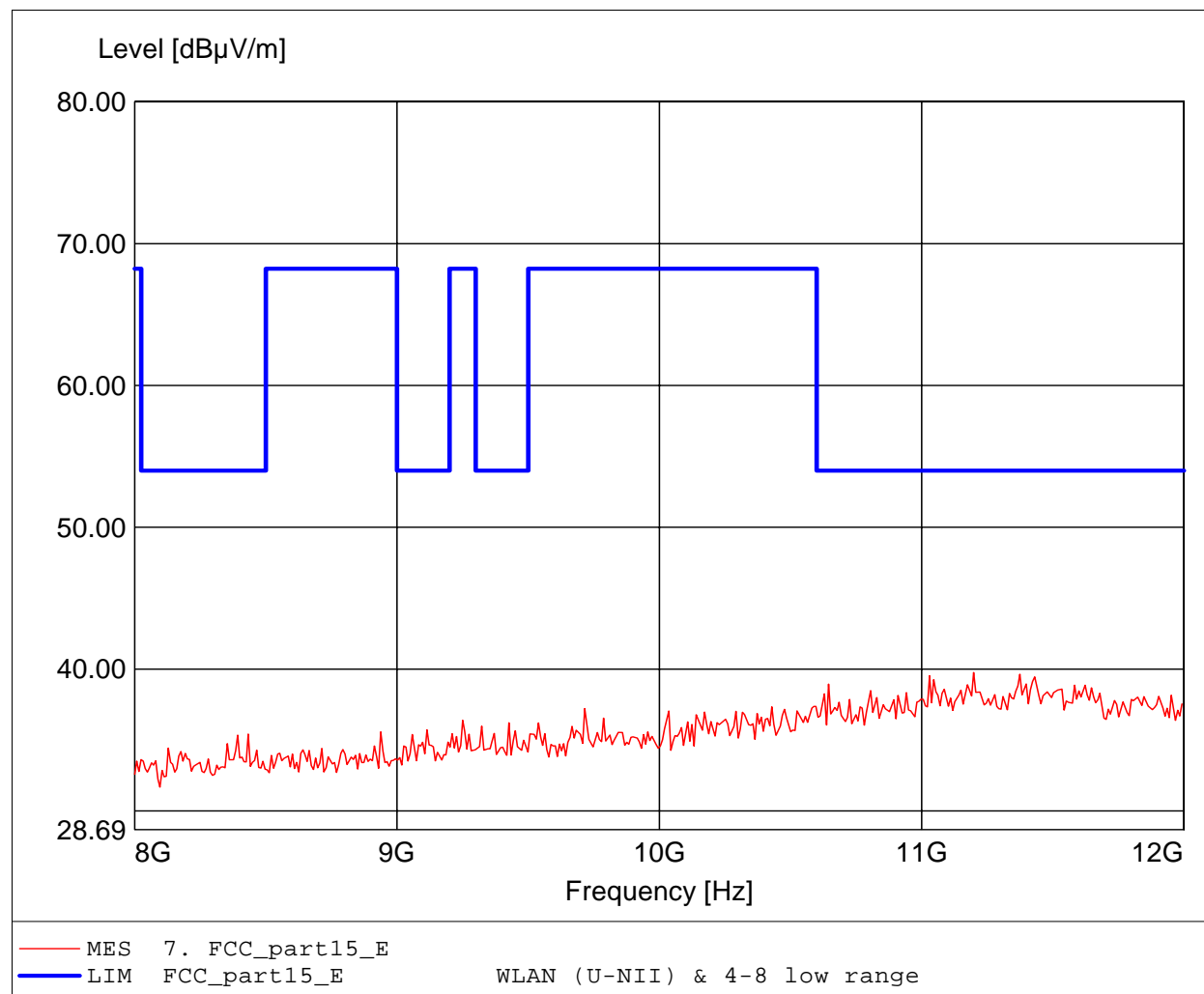
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.455GHz, Emax: 39.67dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

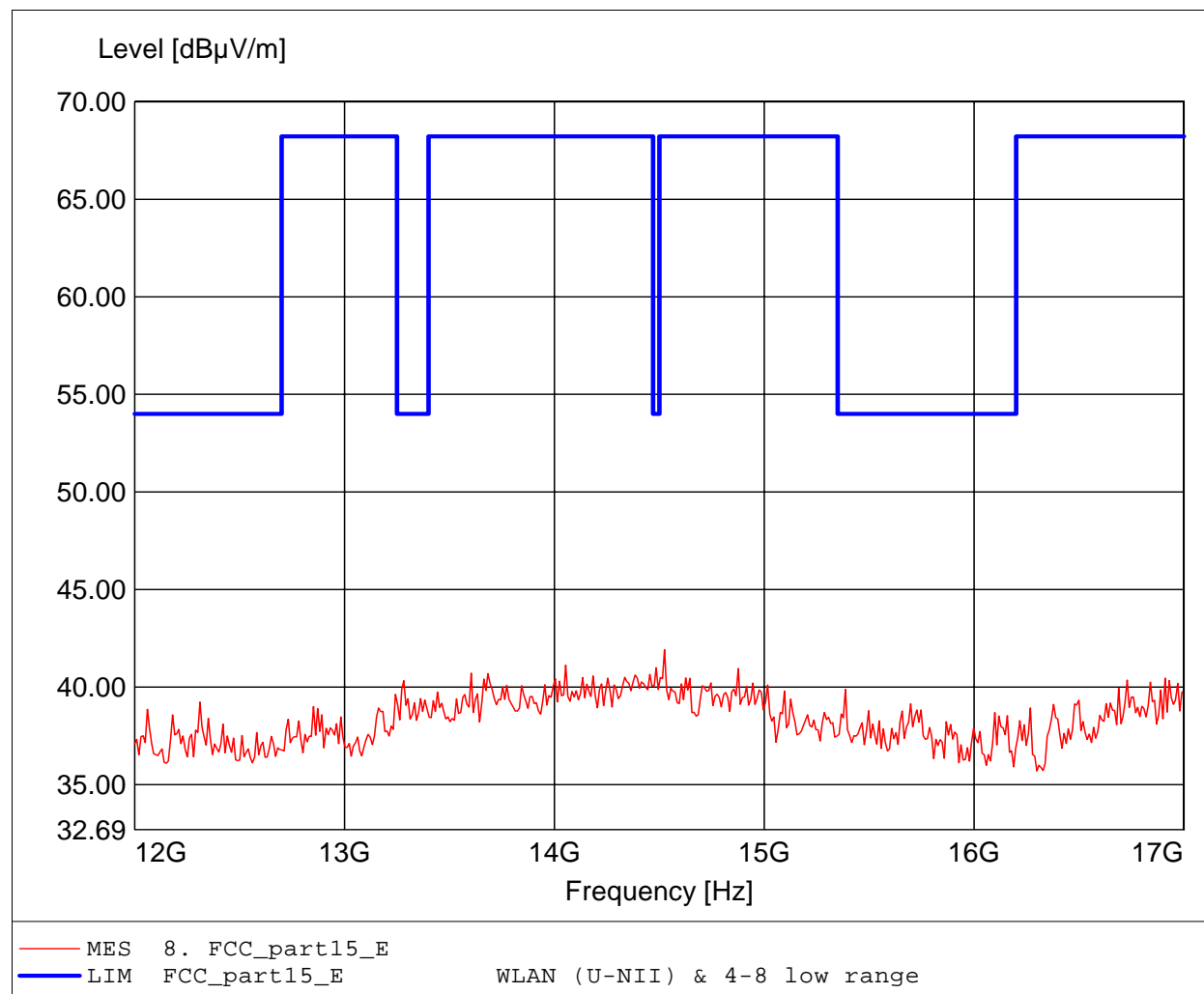
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.198GHz, Emax: 39.77dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

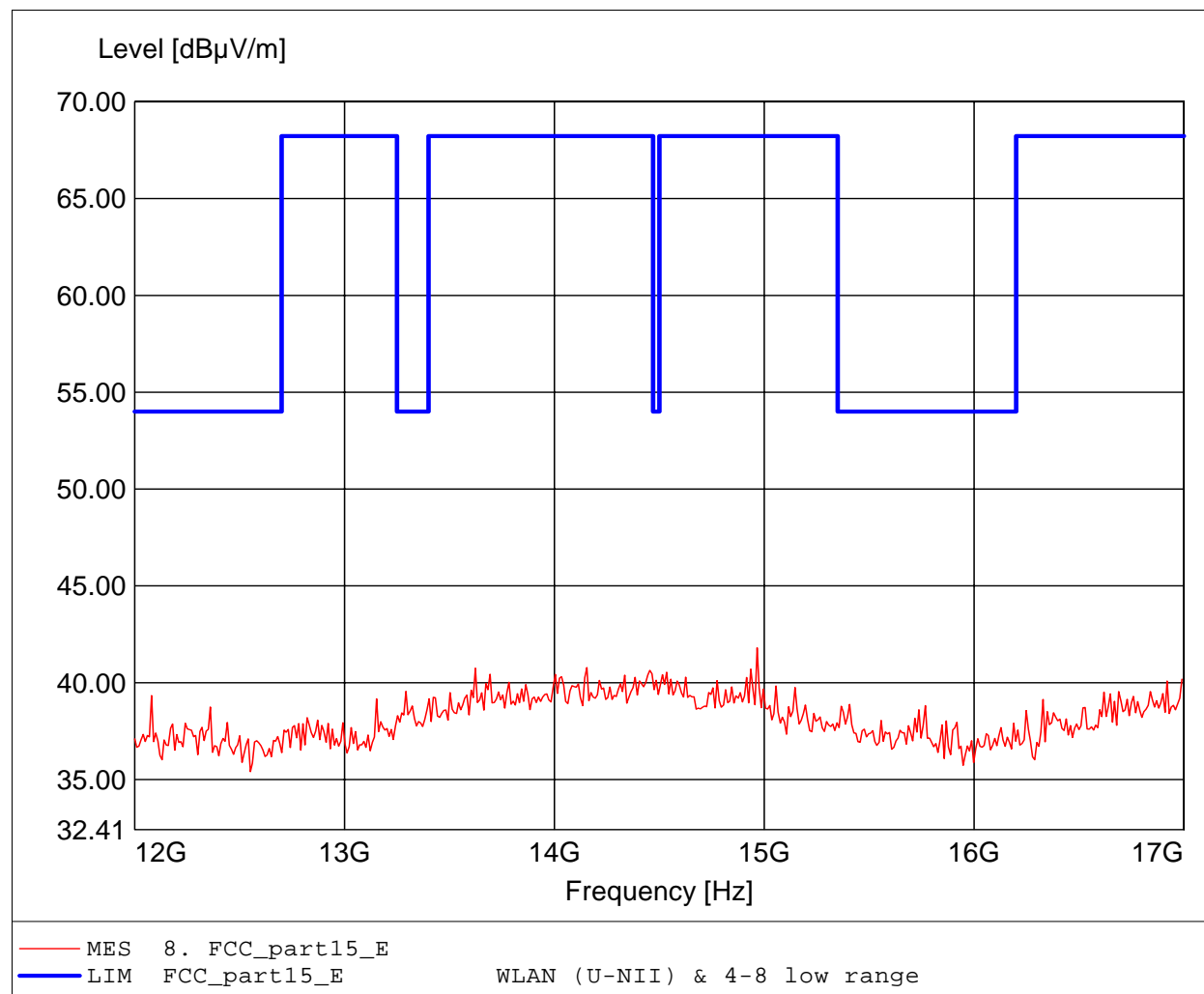
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.525GHz, Emax: 41.92dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

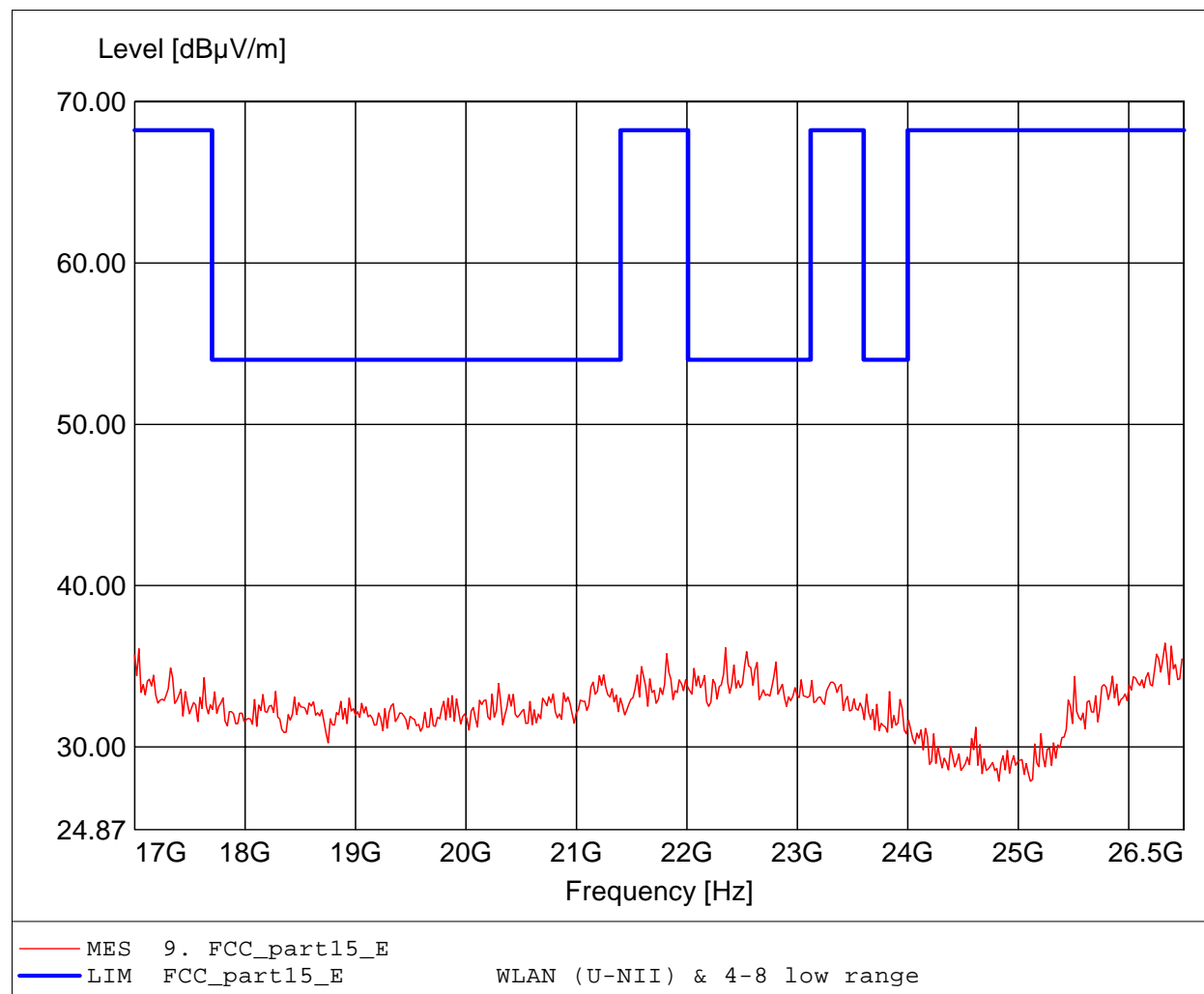
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.966GHz, Emax: 41.80dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

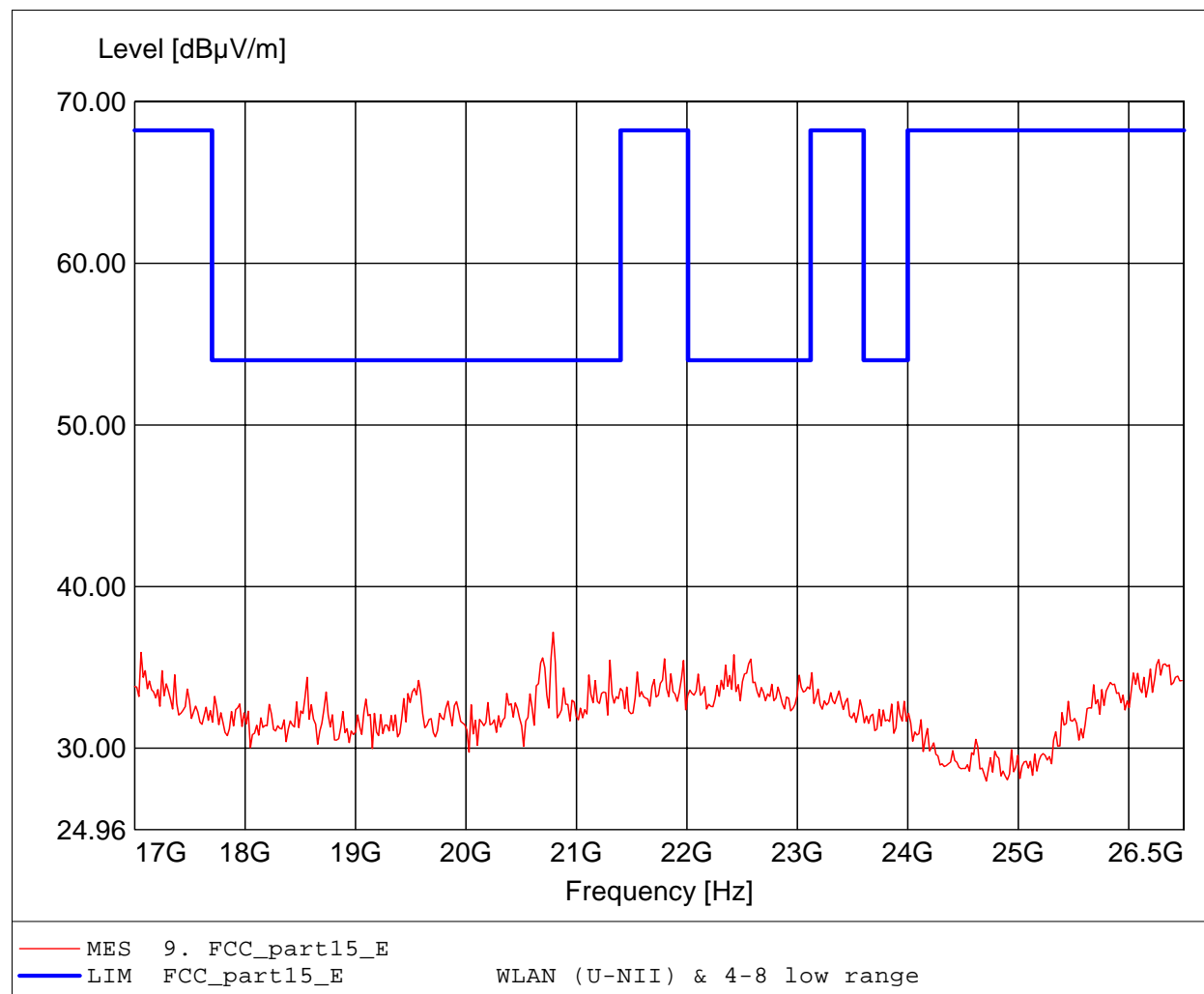
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 26.329GHz, Emax: 36.43dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

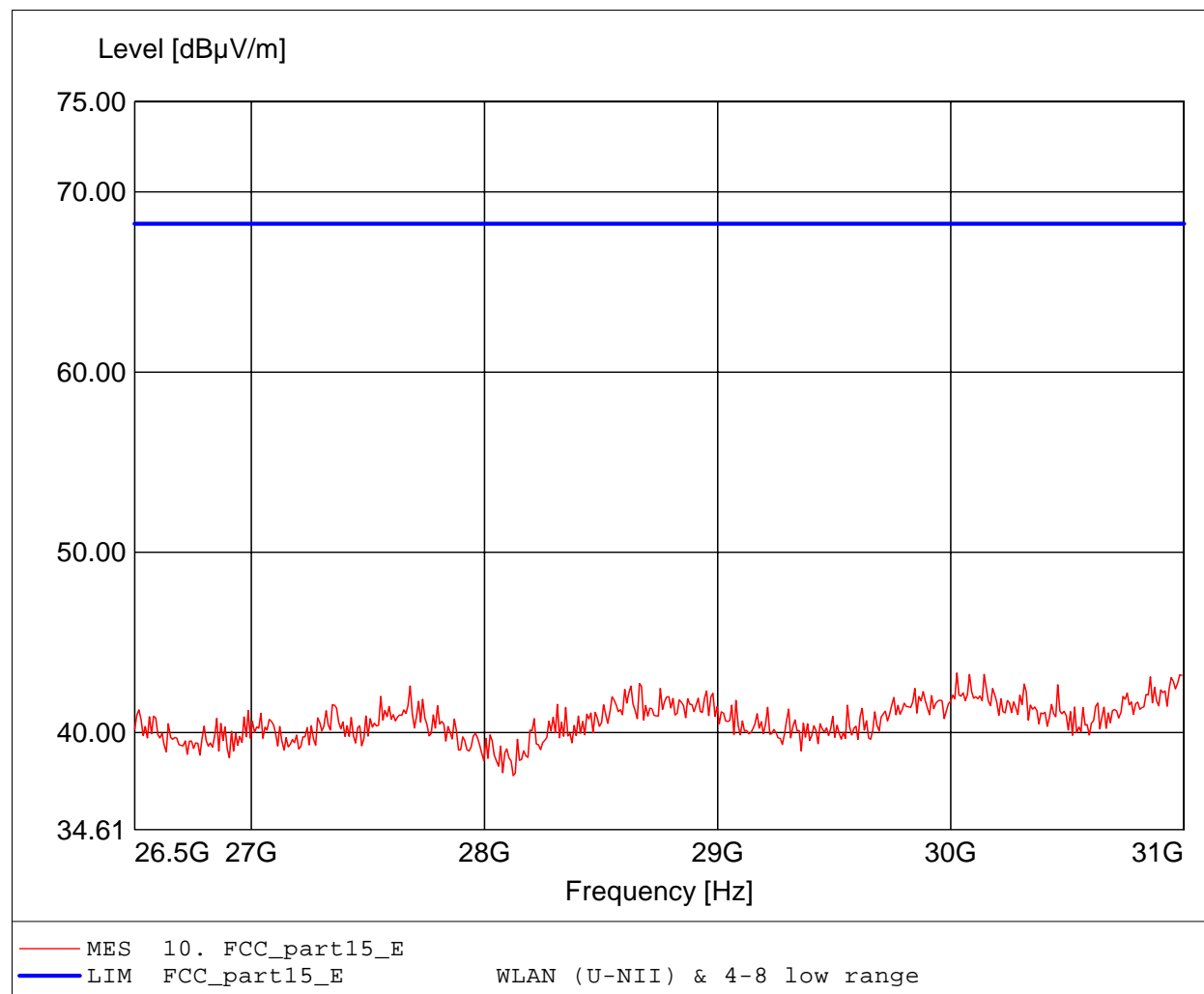
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 20.789GHz, Emax: 37.17dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

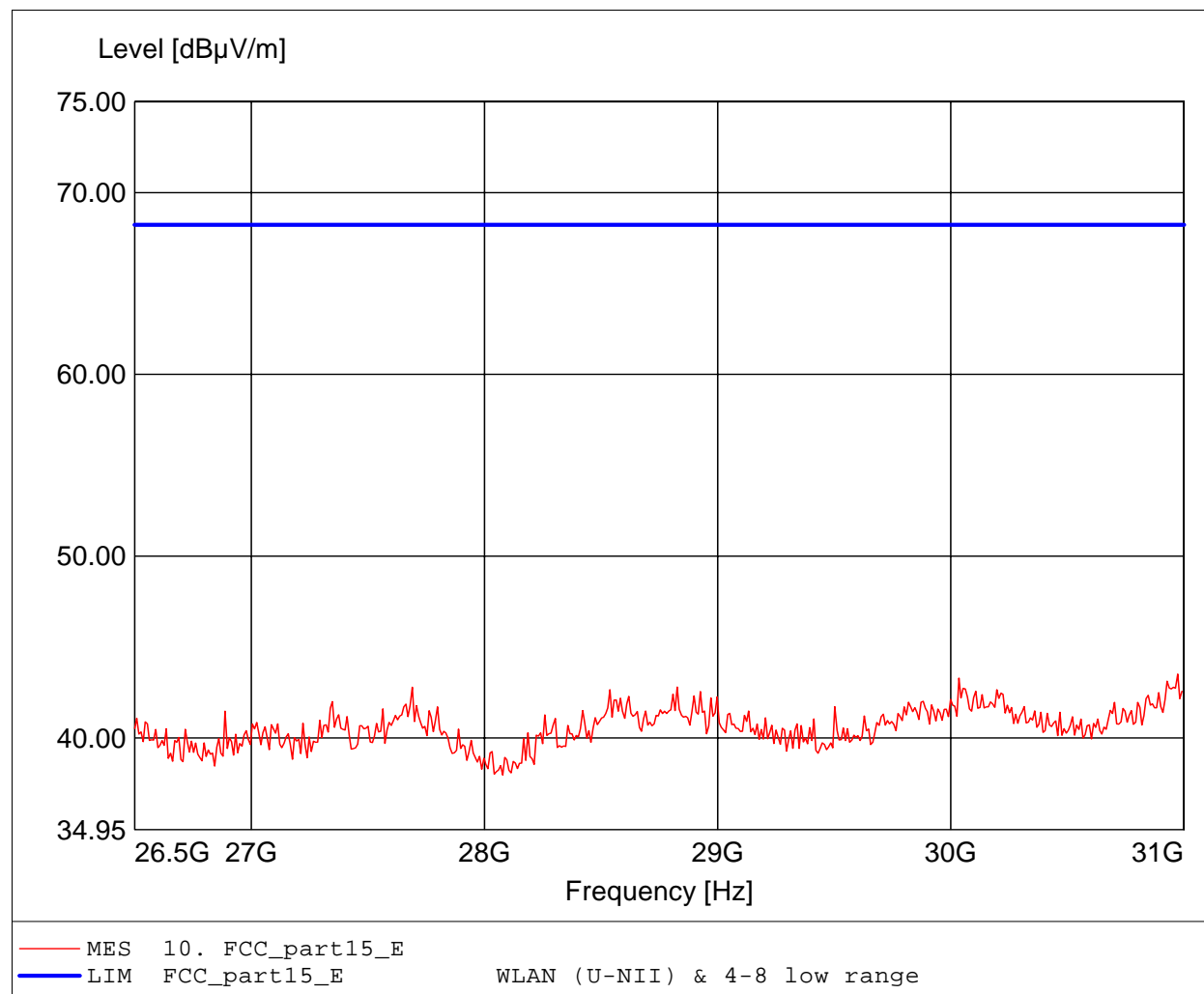
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.026GHz, Emax: 43.30dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

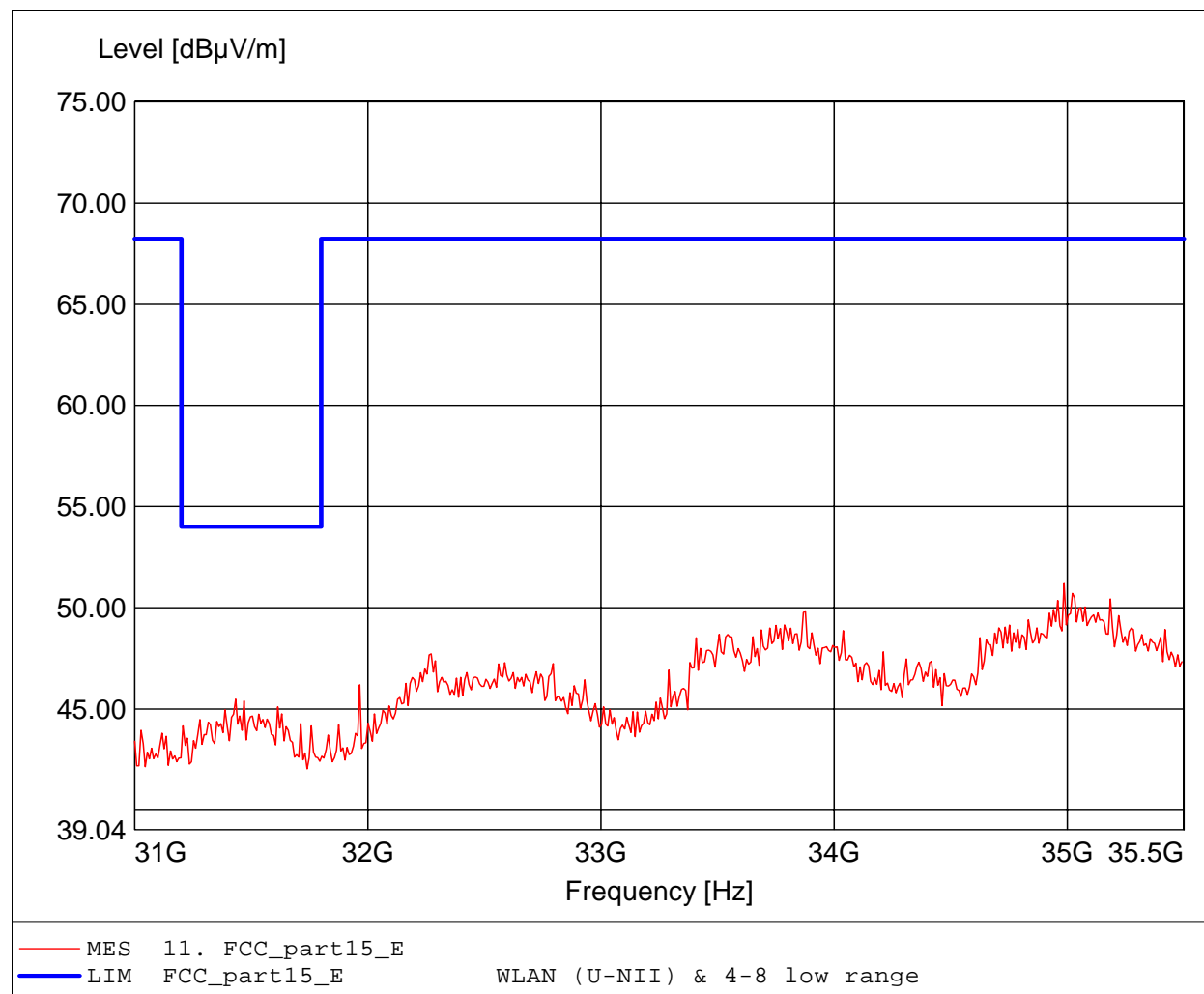
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.973GHz, Emax: 43.51dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

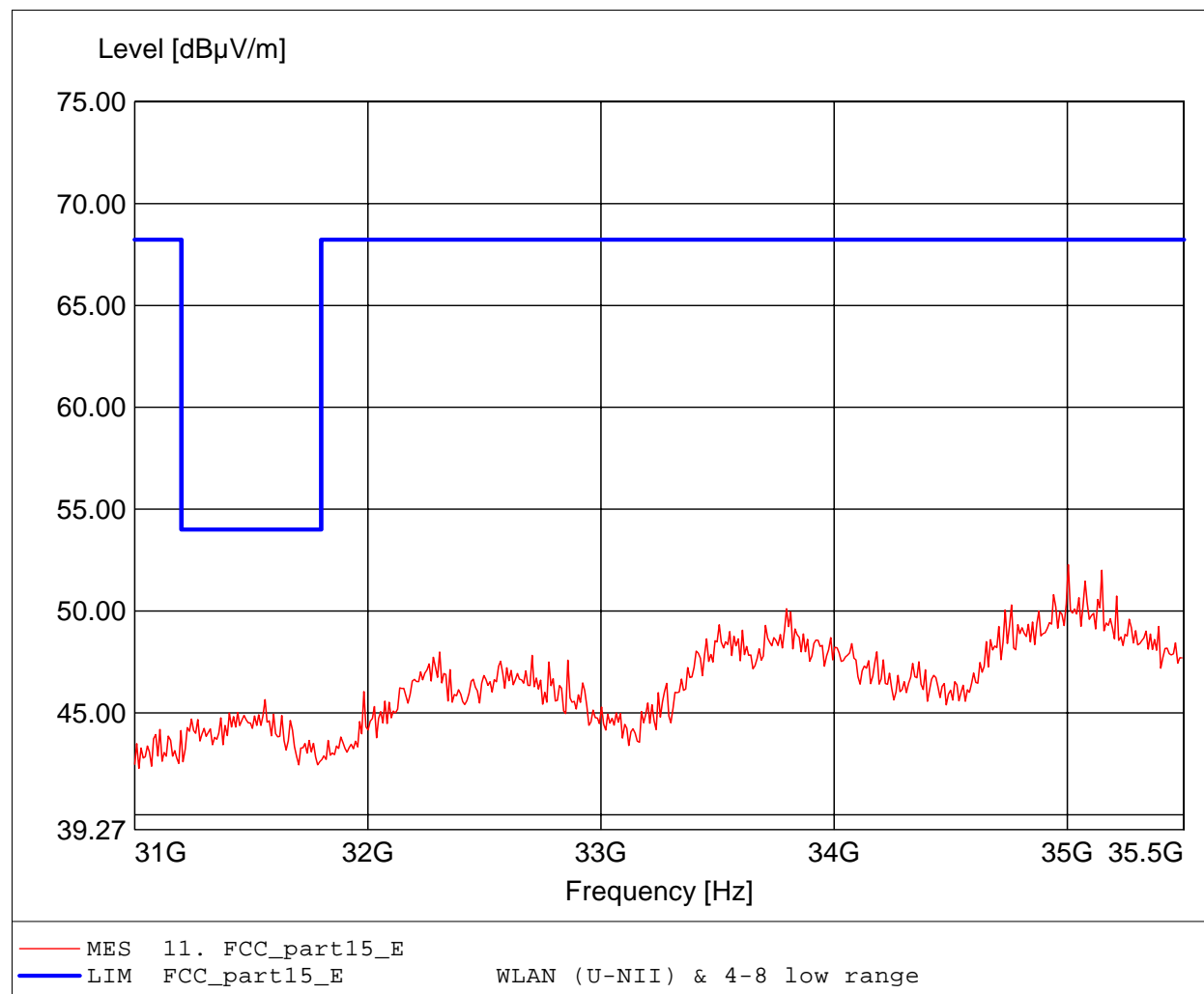
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 34.986GHz, Emax: 51.20dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

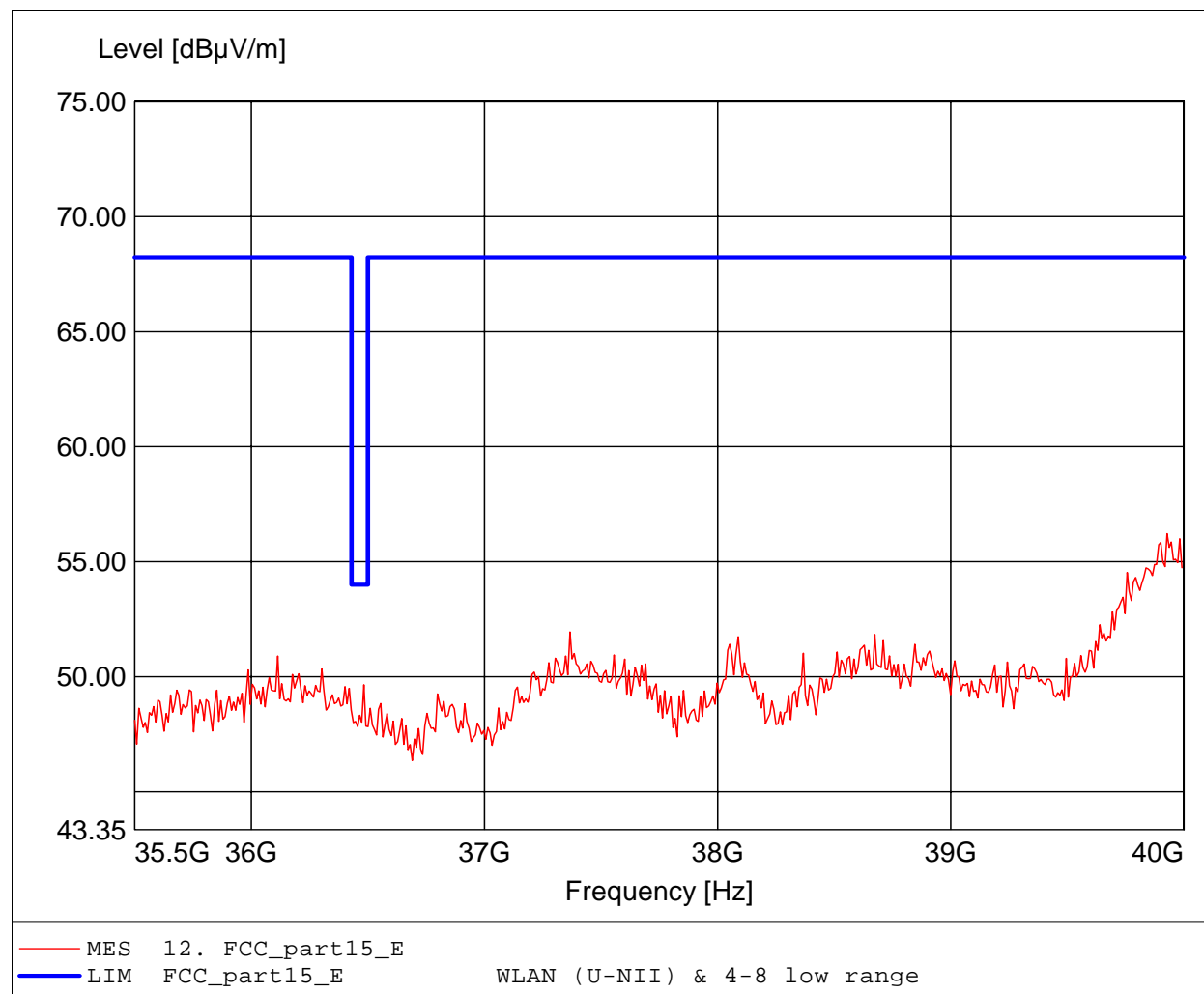
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.004GHz, Emax: 52.27dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

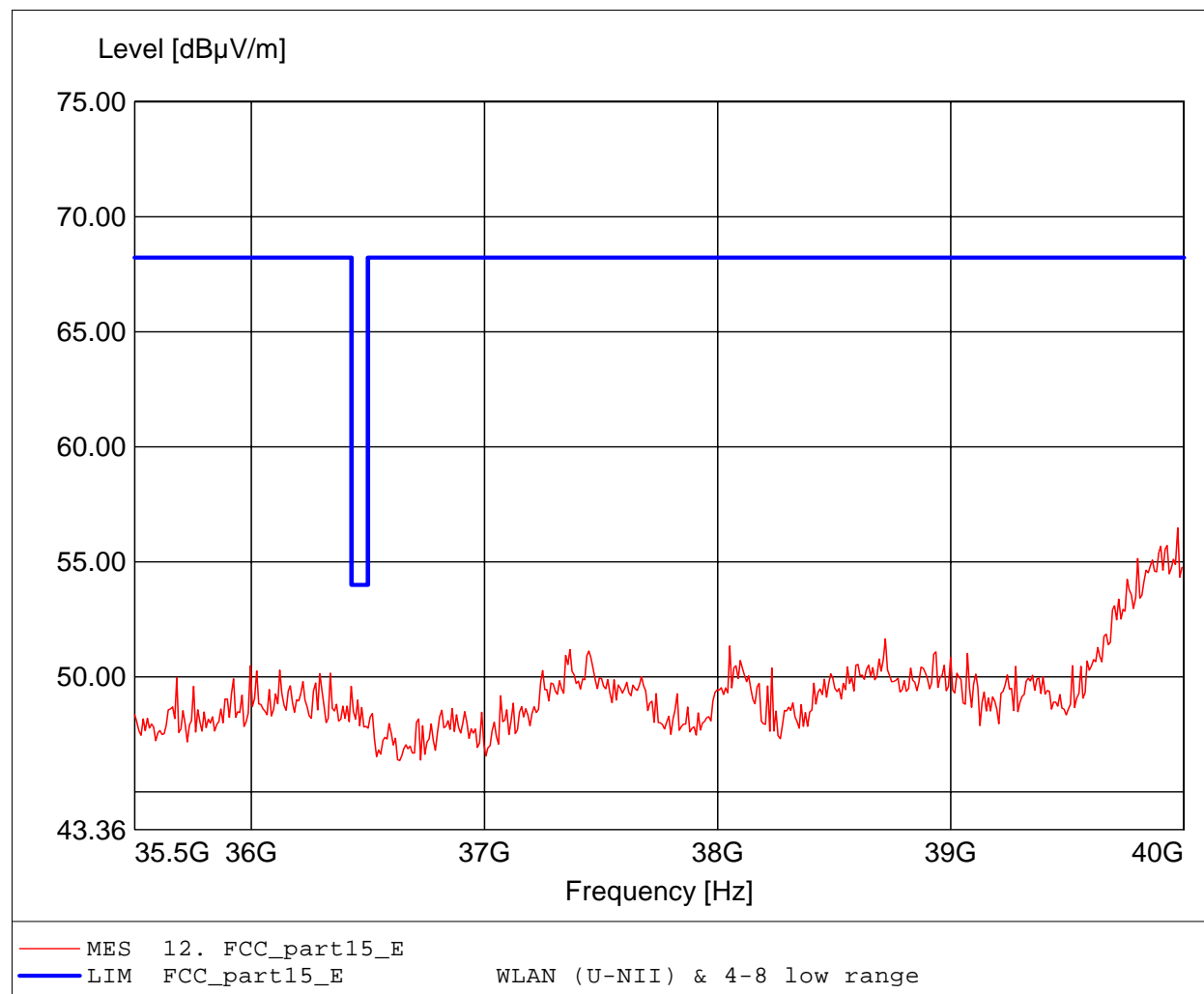
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.928GHz, Emax: 56.22dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

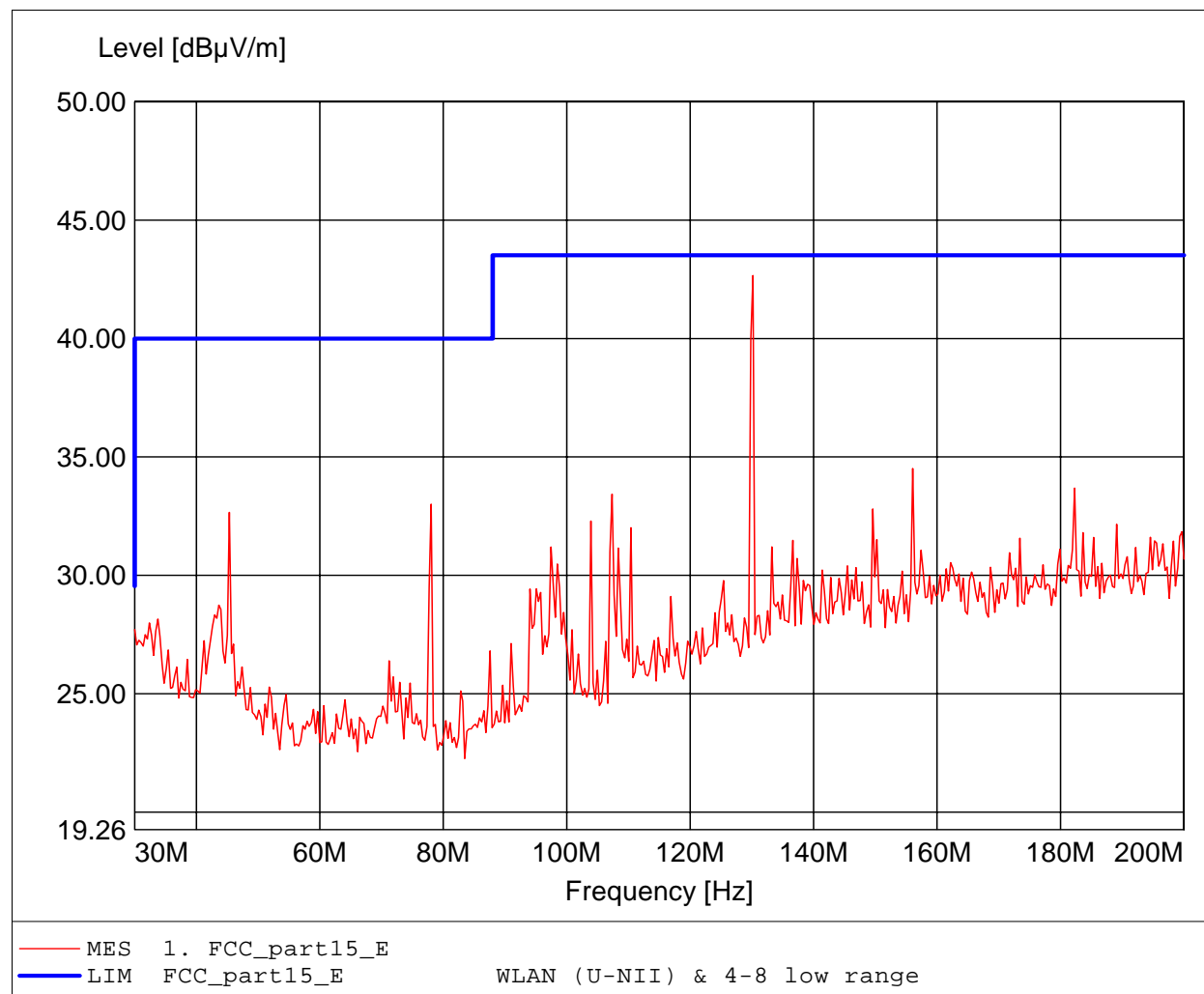
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5600 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.973GHz, Emax: 56.48dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

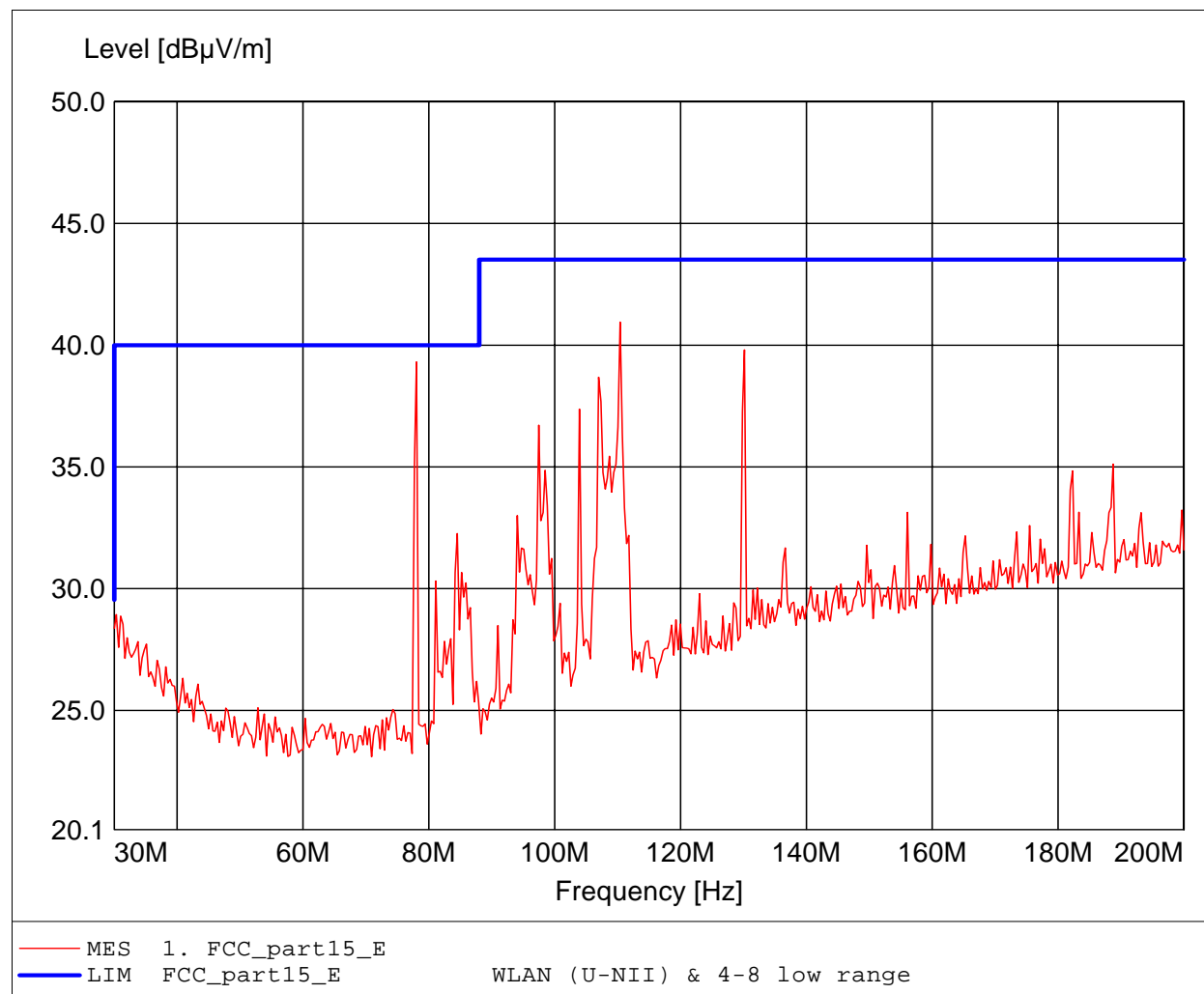
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 130.160MHz, Emax: 42.66dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

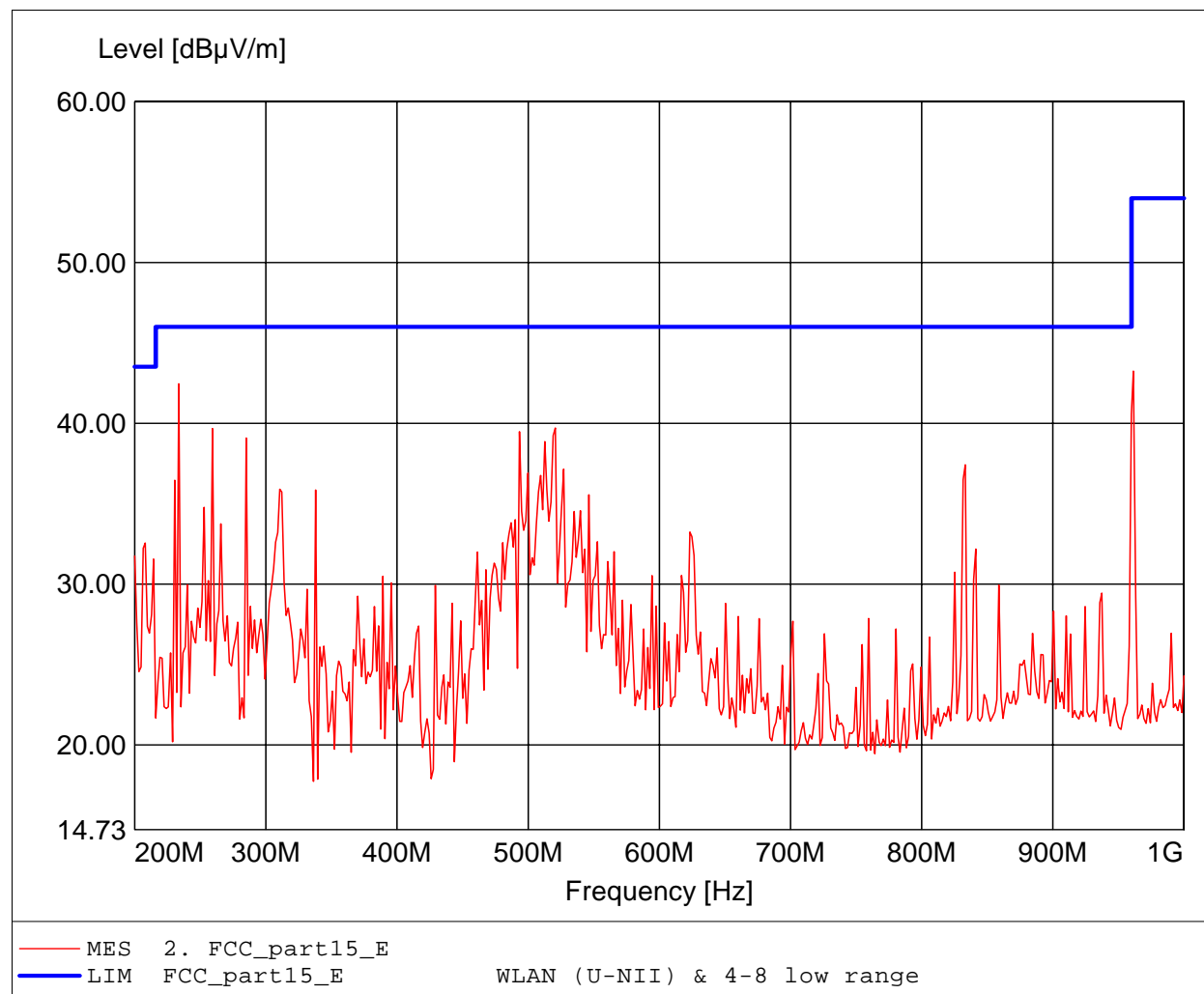
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 110.401MHz, Emax: 40.95dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

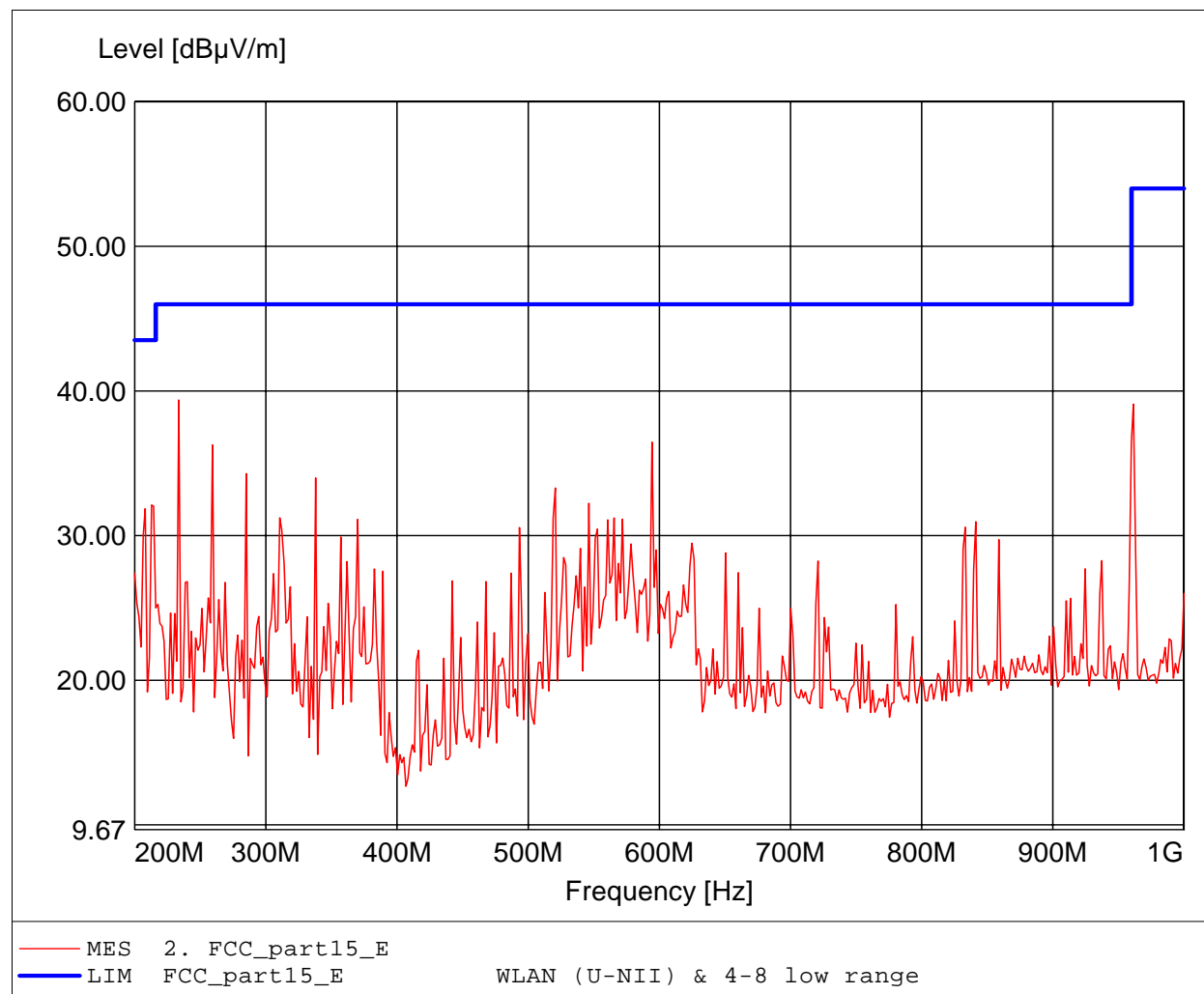
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 961.523MHz, Emax: 43.25dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

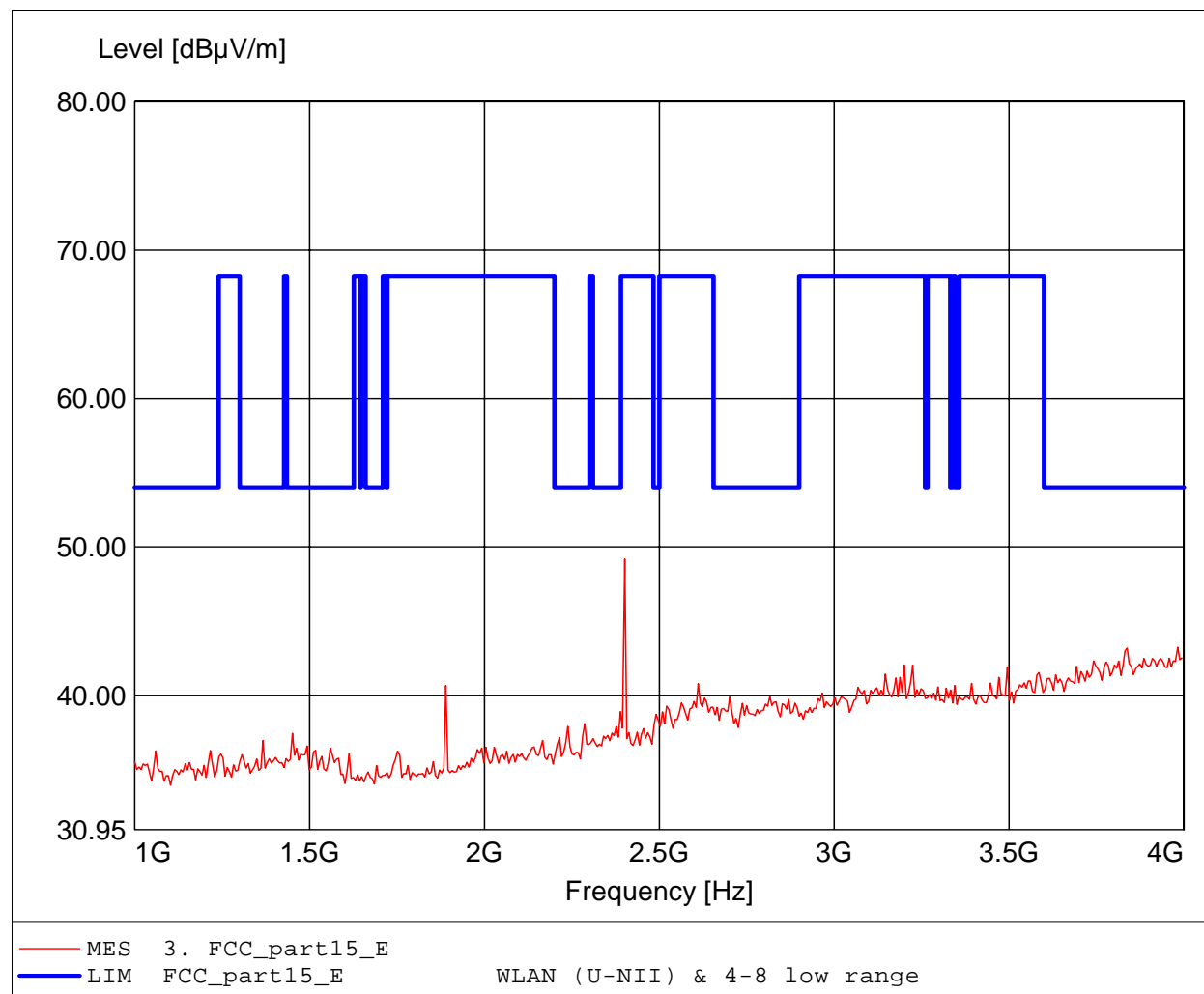
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / Ant.:1 / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407
Comment 1: Dist.: 3m, Ant.: HL 223, amplif.
Comment 2: Freq: 233.667MHz, Emax: 39.38dBµV/m, RBW: 100kHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

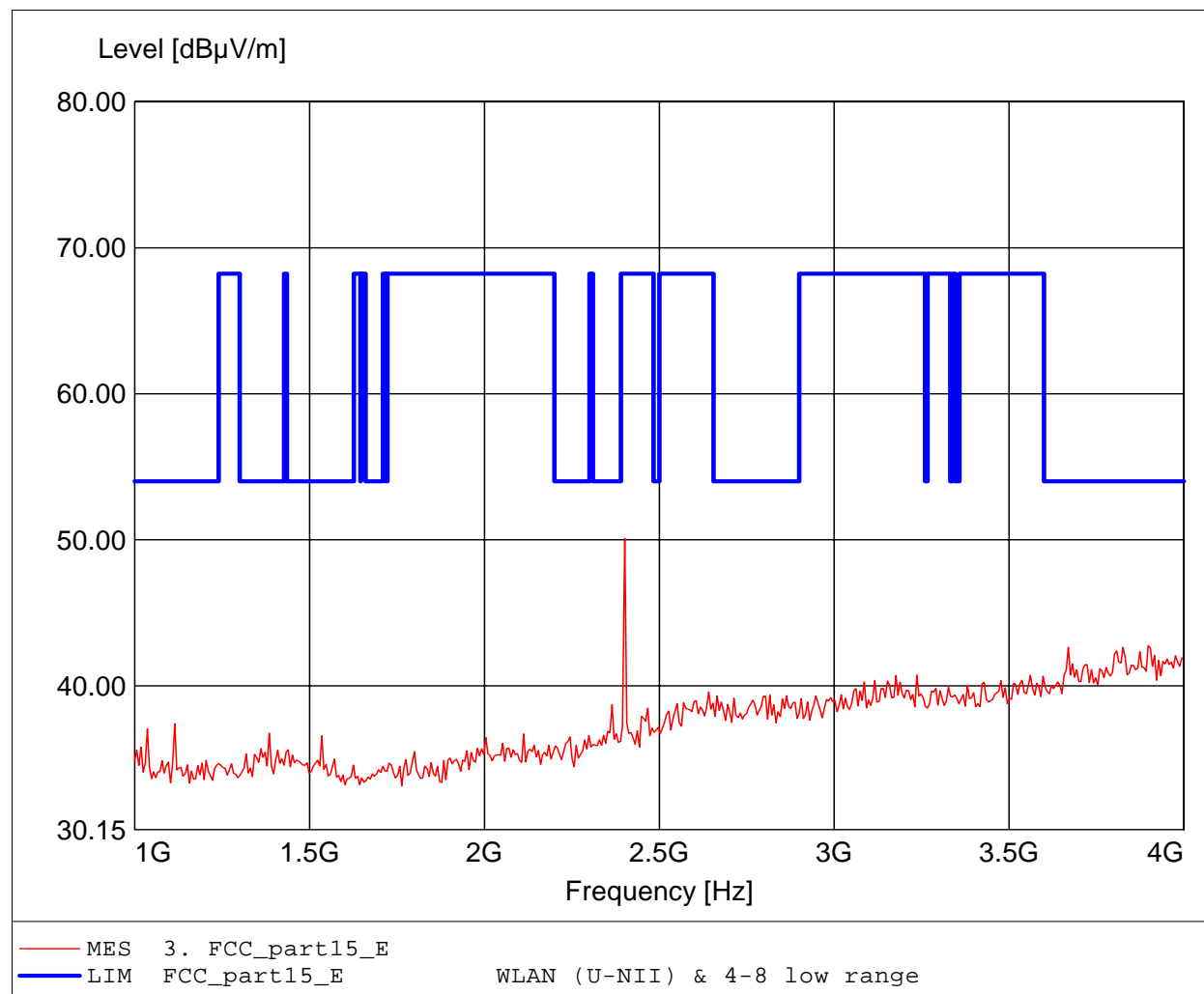
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 49.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

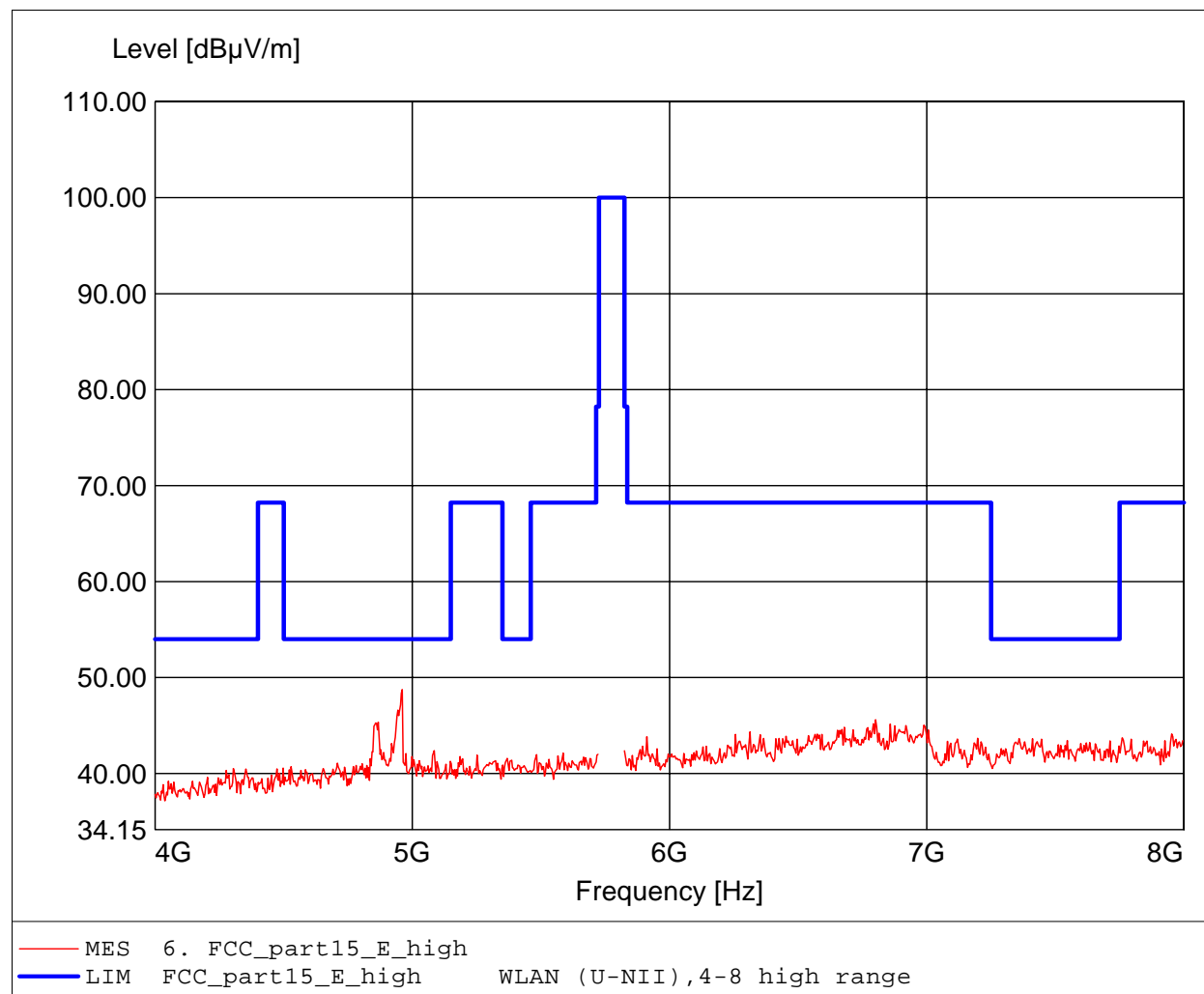
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 2.401GHz, Emax: 50.11dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

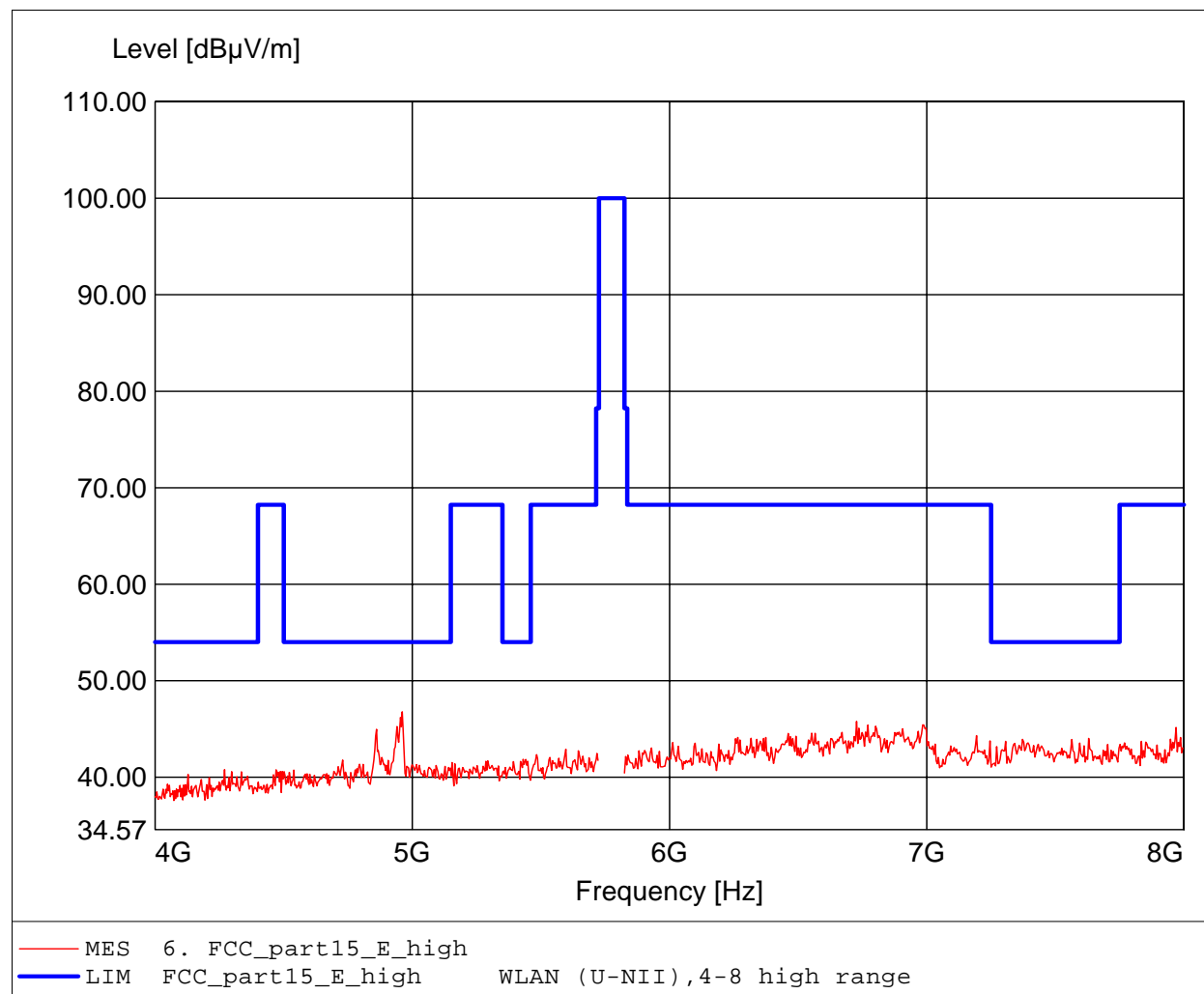
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.961GHz, Emax: 48.75dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

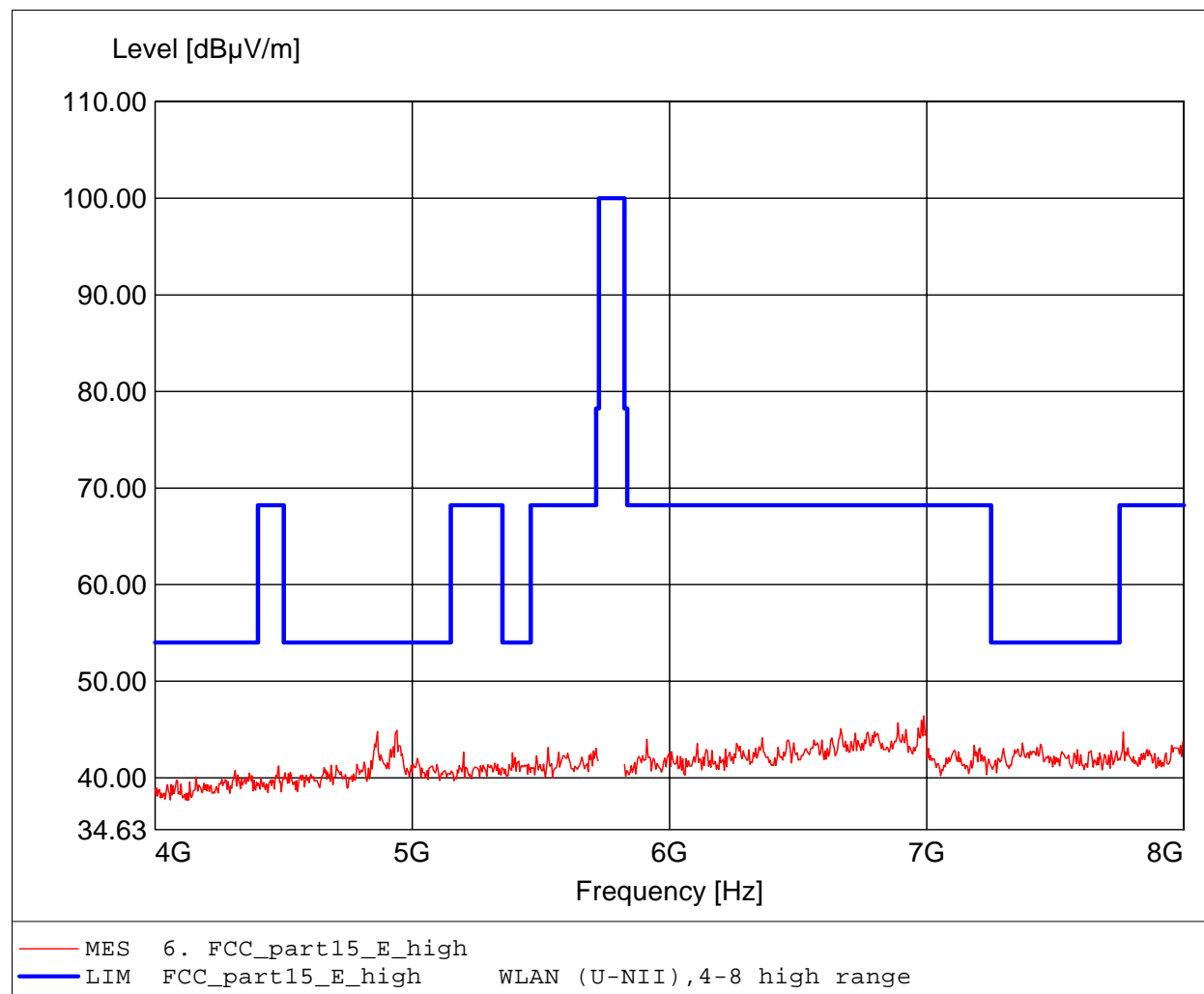
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.961GHz, Emax: 46.78dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

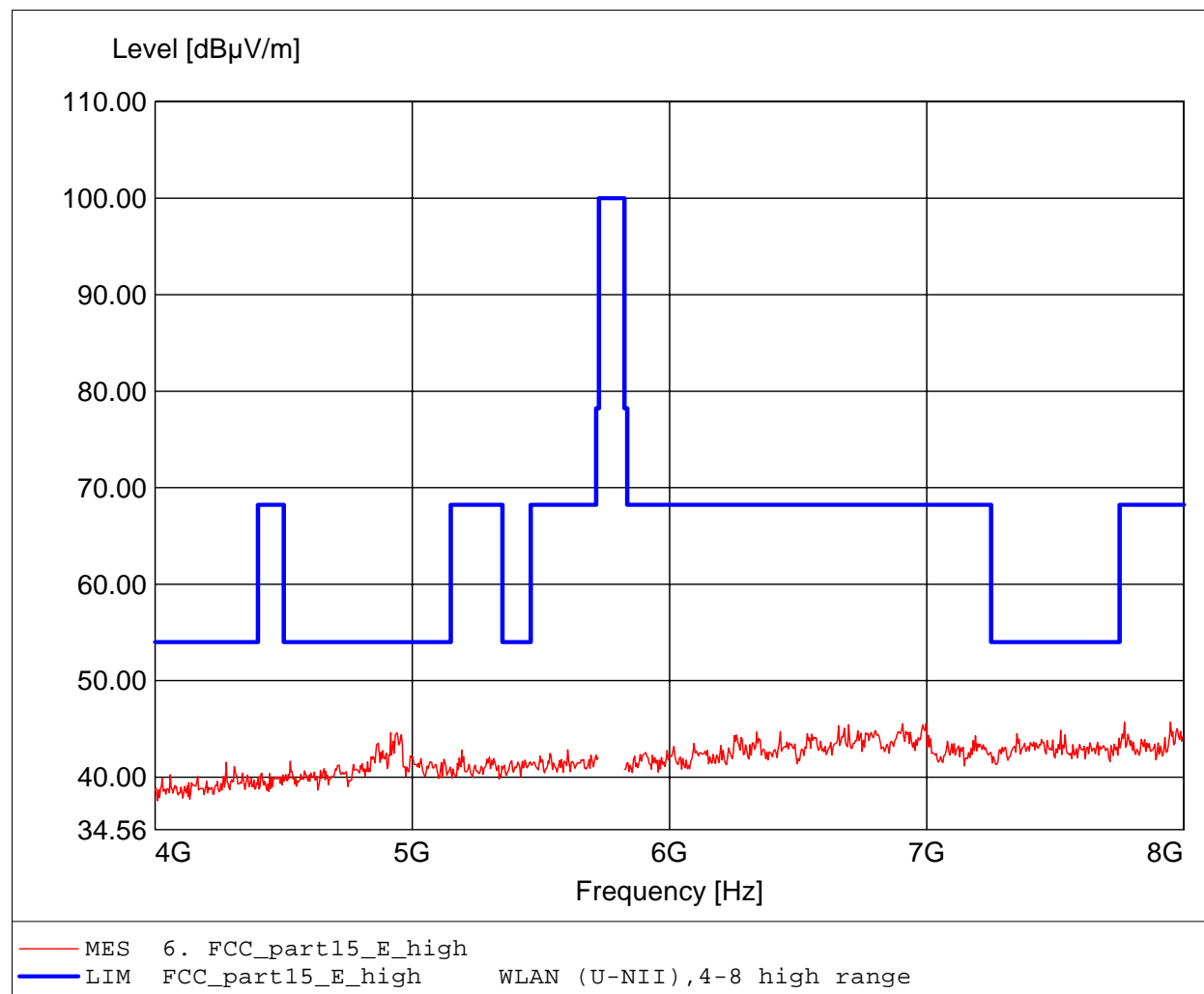
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.989GHz, Emax: 46.42dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

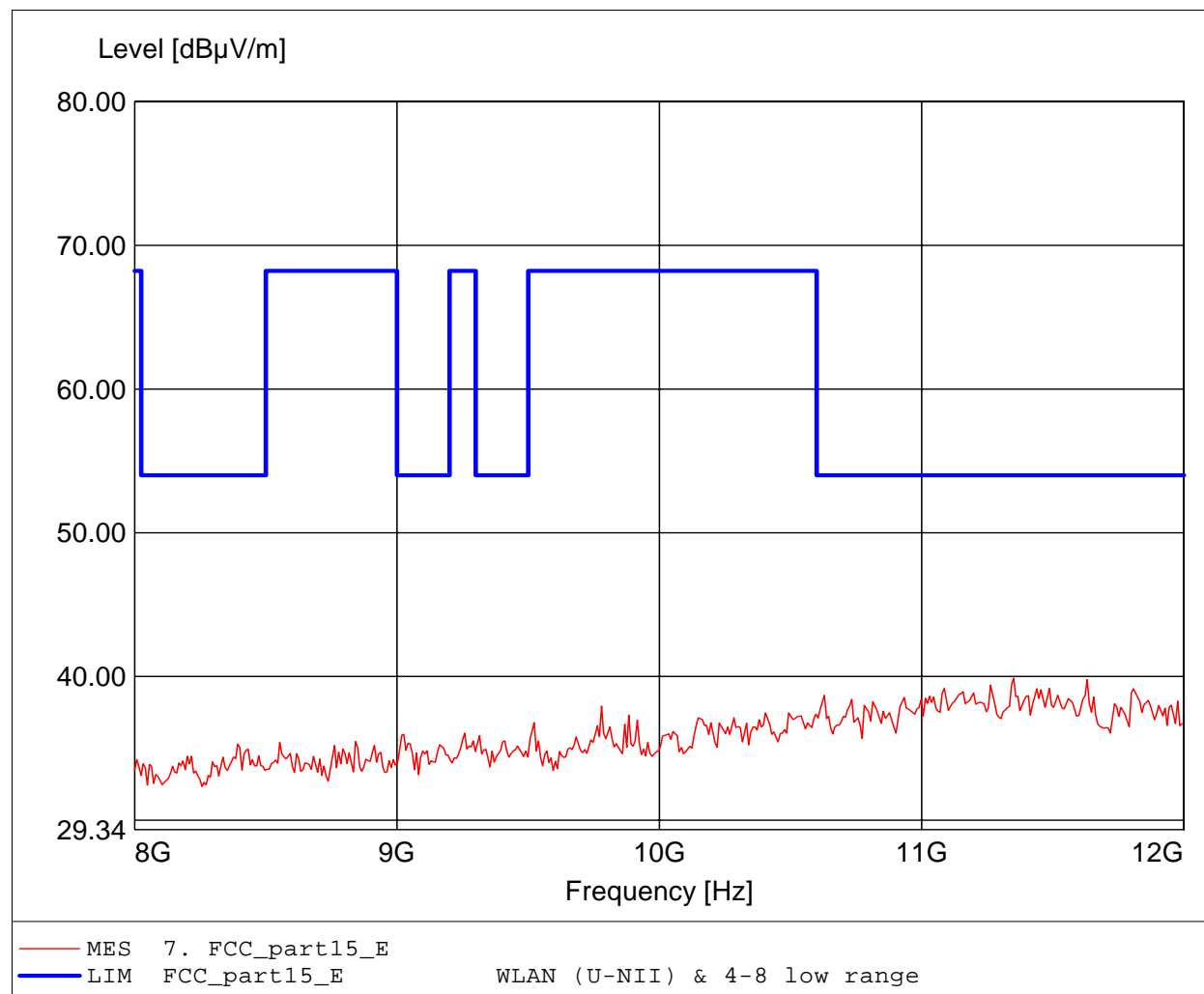
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.948GHz, Emax: 45.72dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

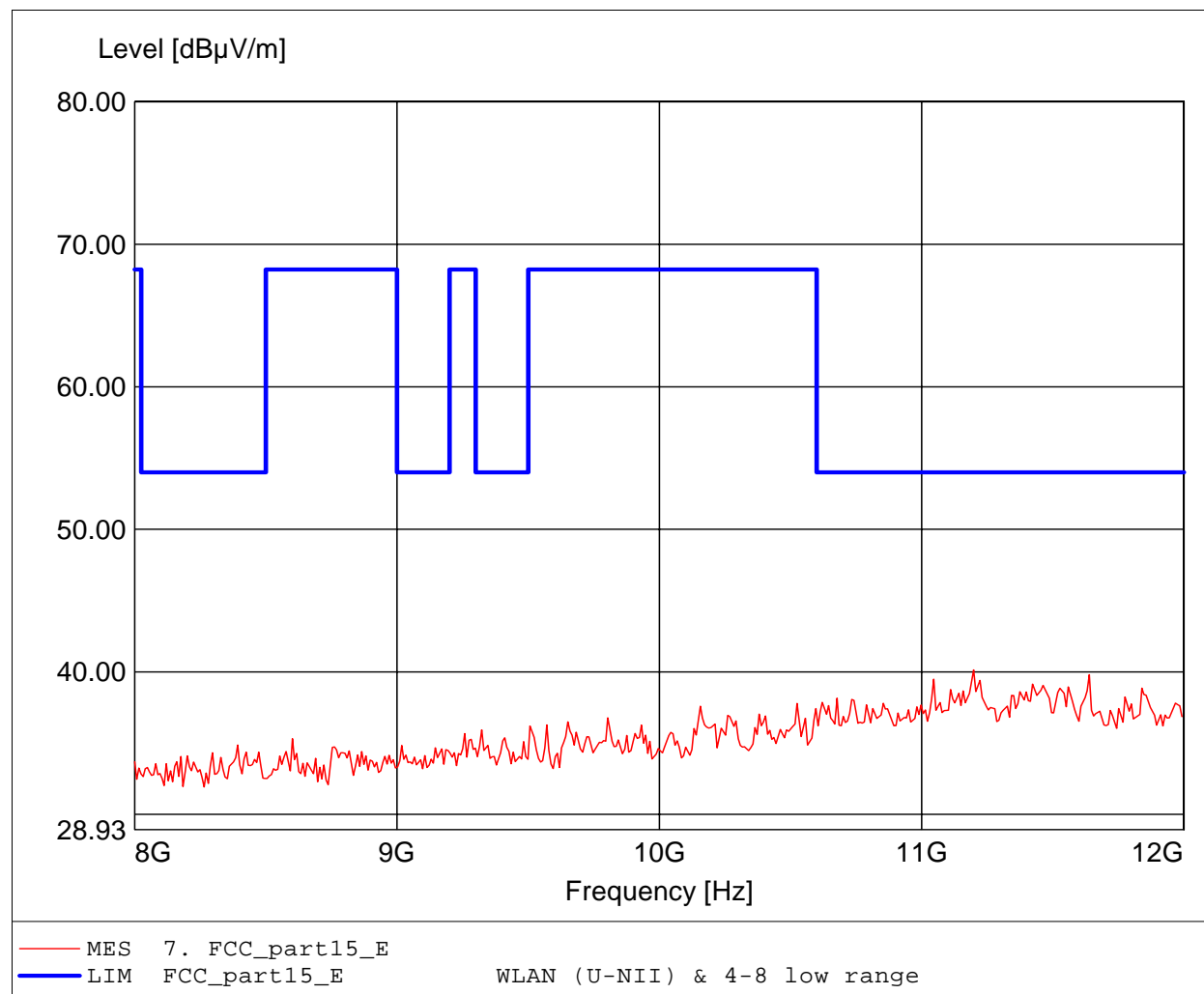
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.351GHz, Emax: 39.89dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

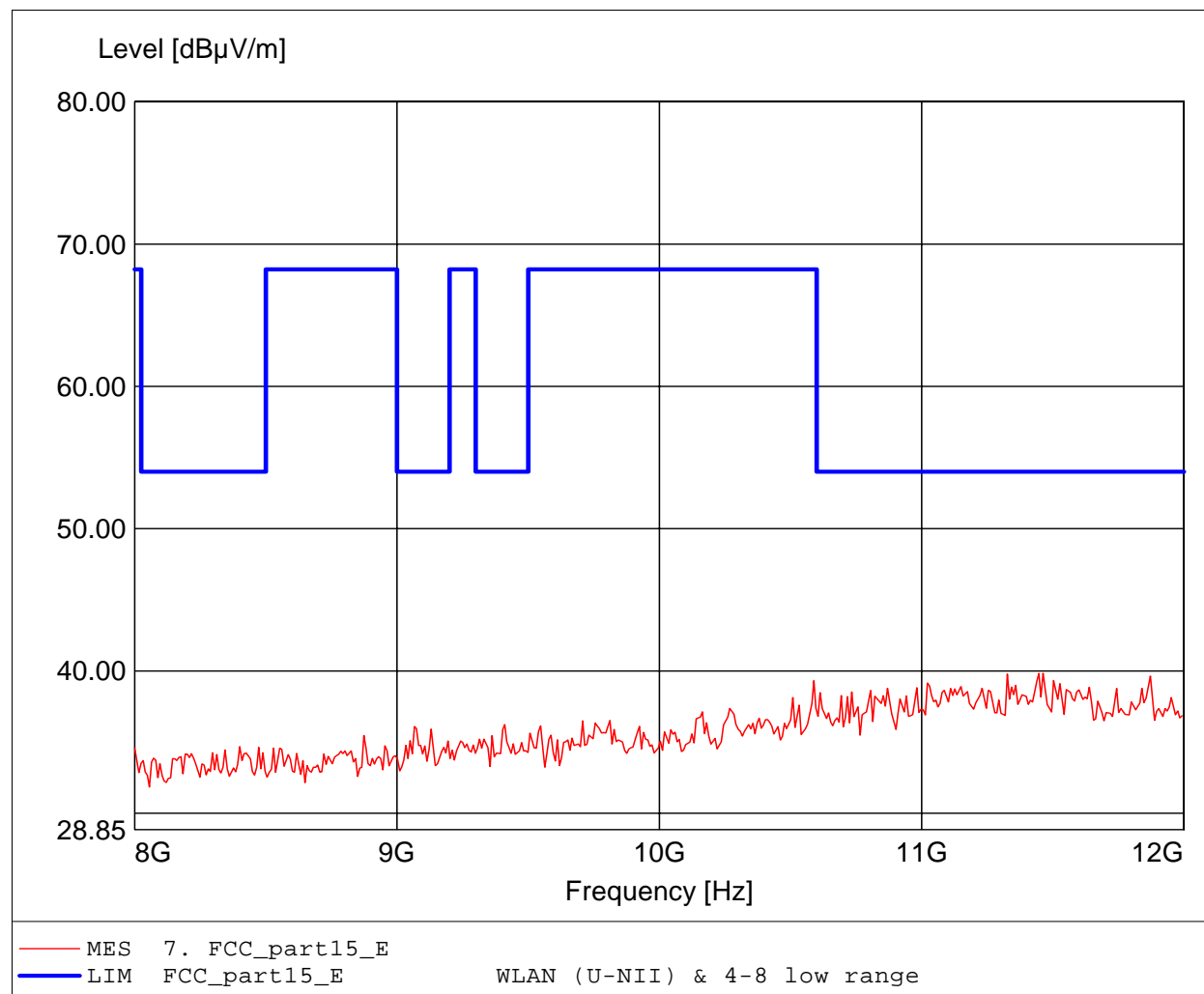
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.198GHz, Emax: 40.14dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

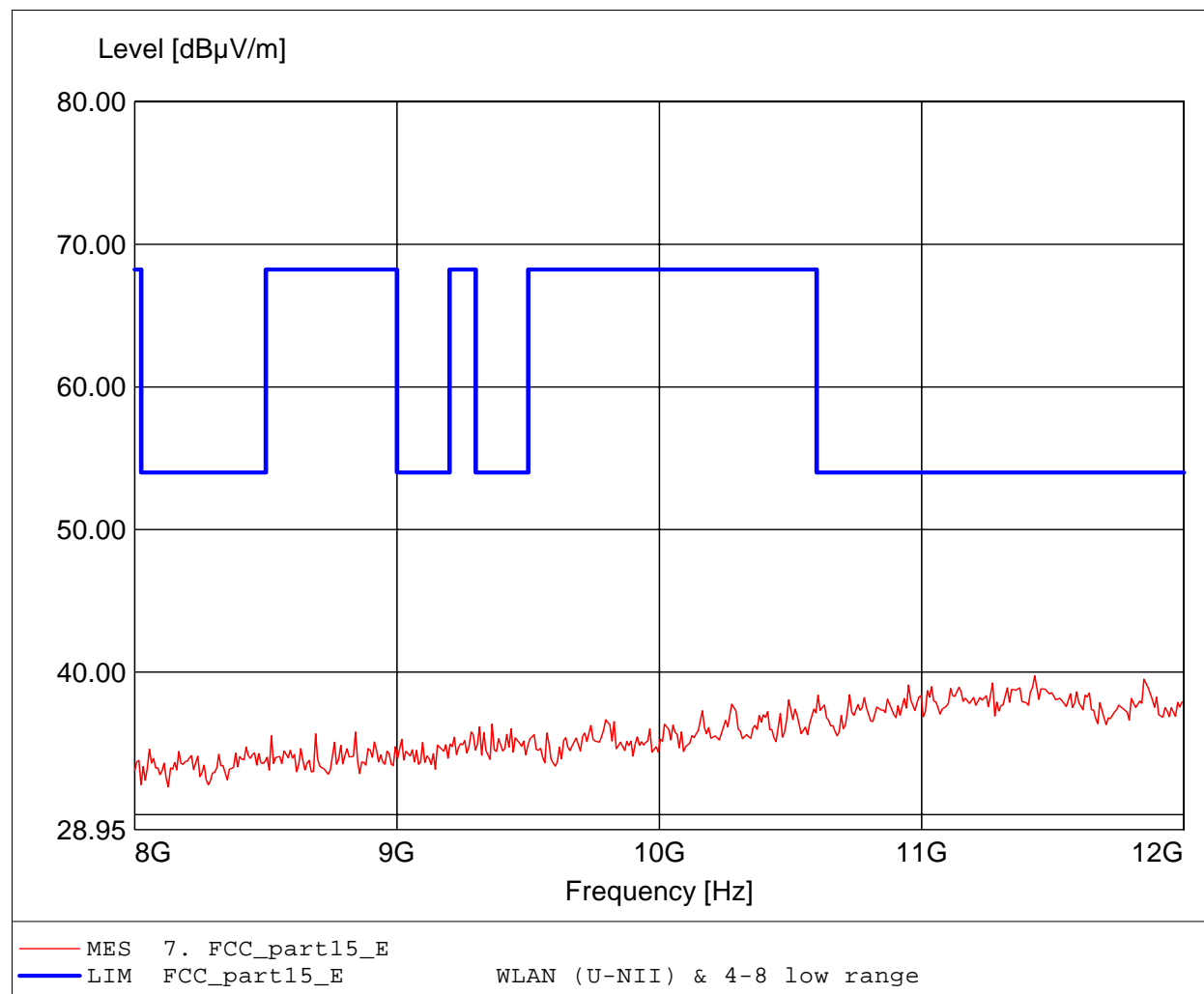
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.463GHz, Emax: 39.83dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

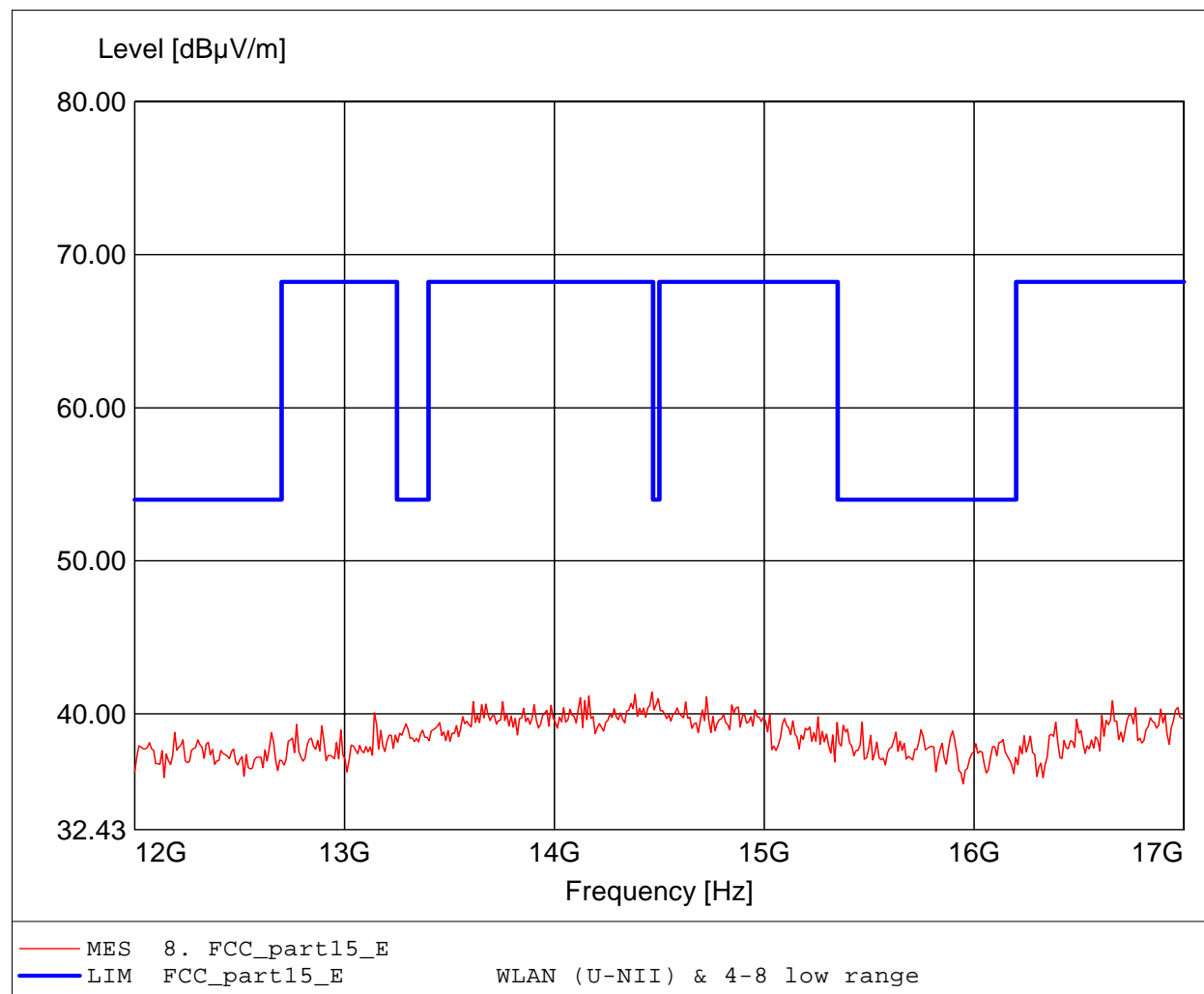
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.431GHz, Emax: 39.74dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

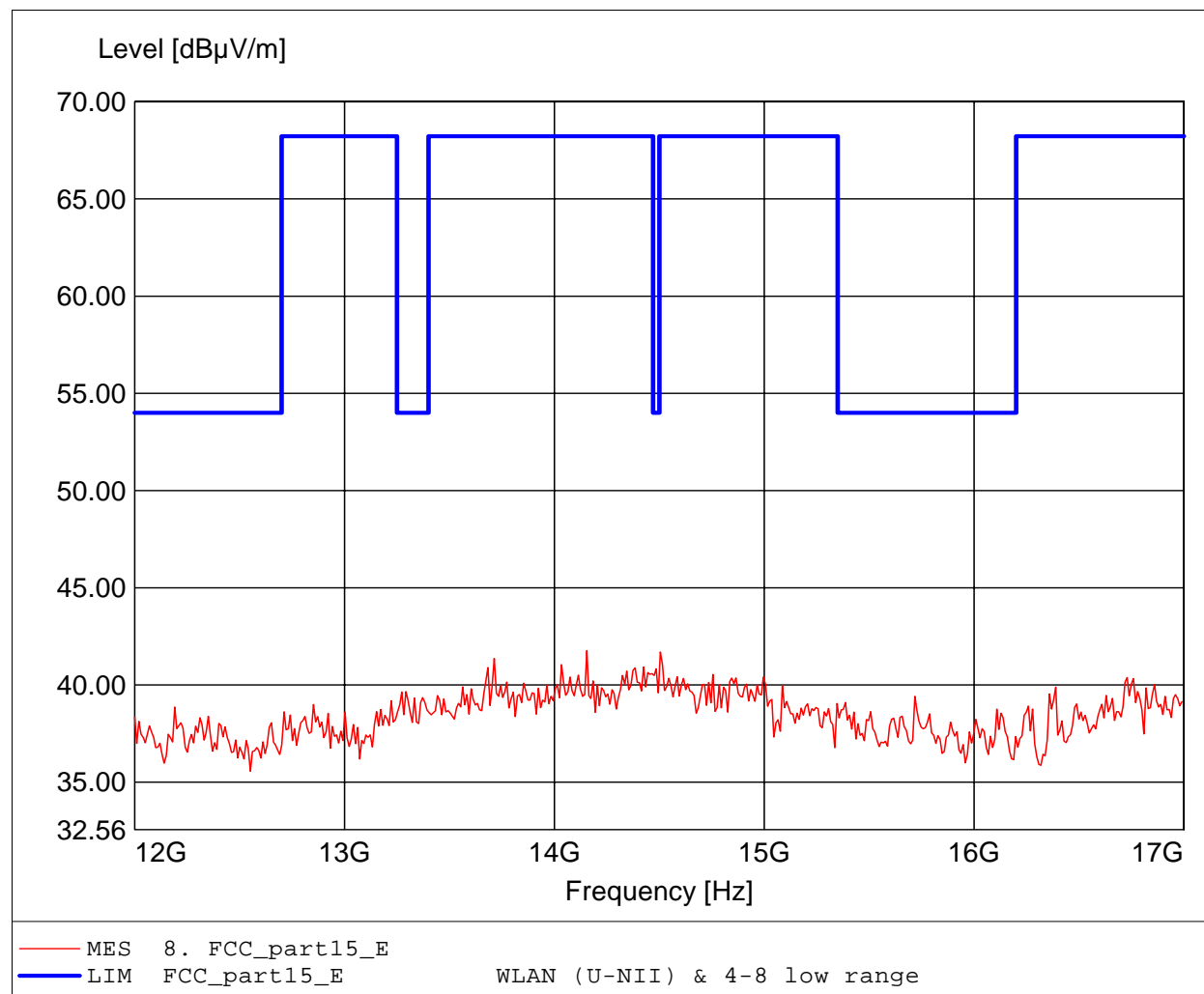
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.465GHz, Emax: 41.44dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

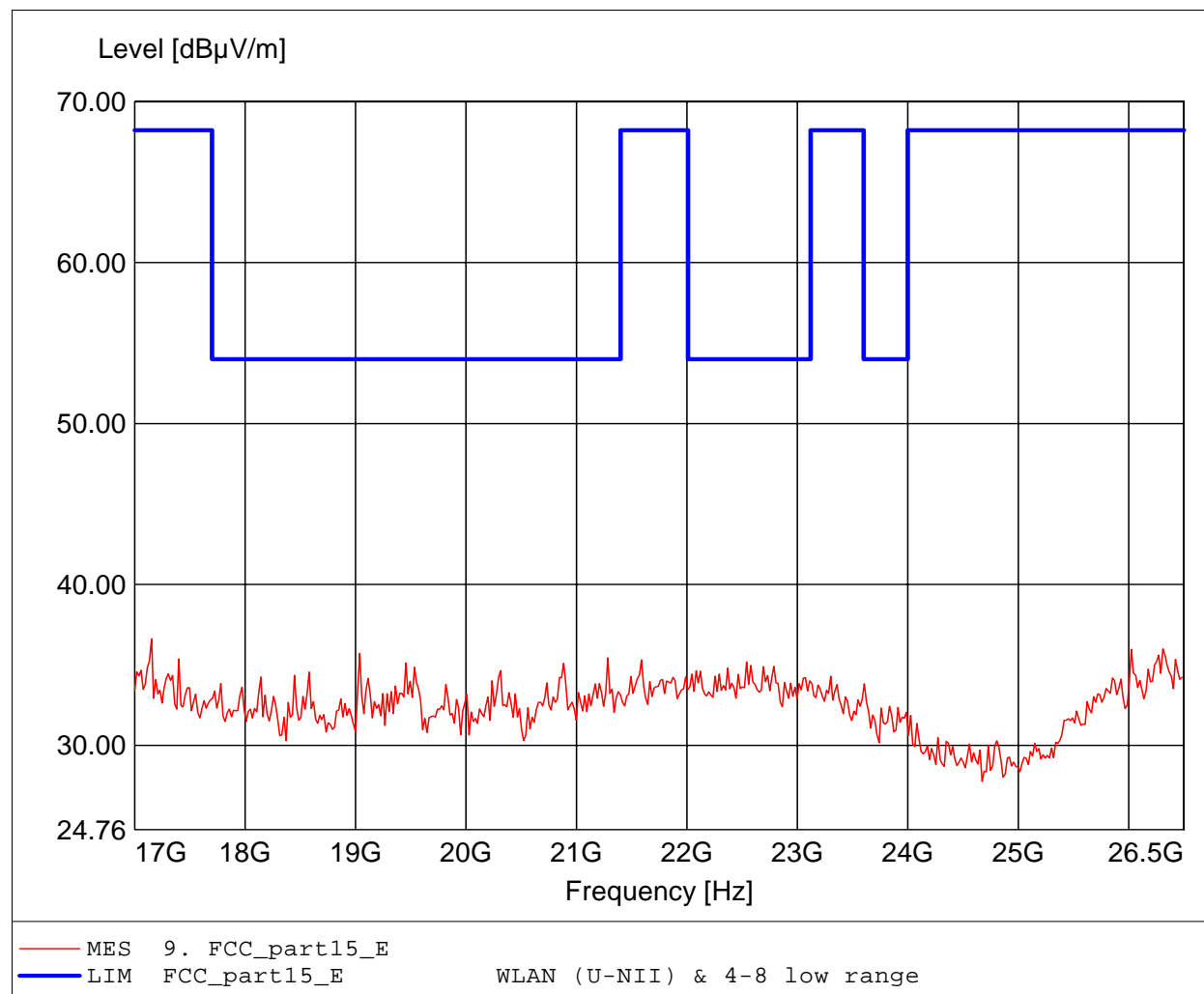
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 14.154GHz, Emax: 41.77dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

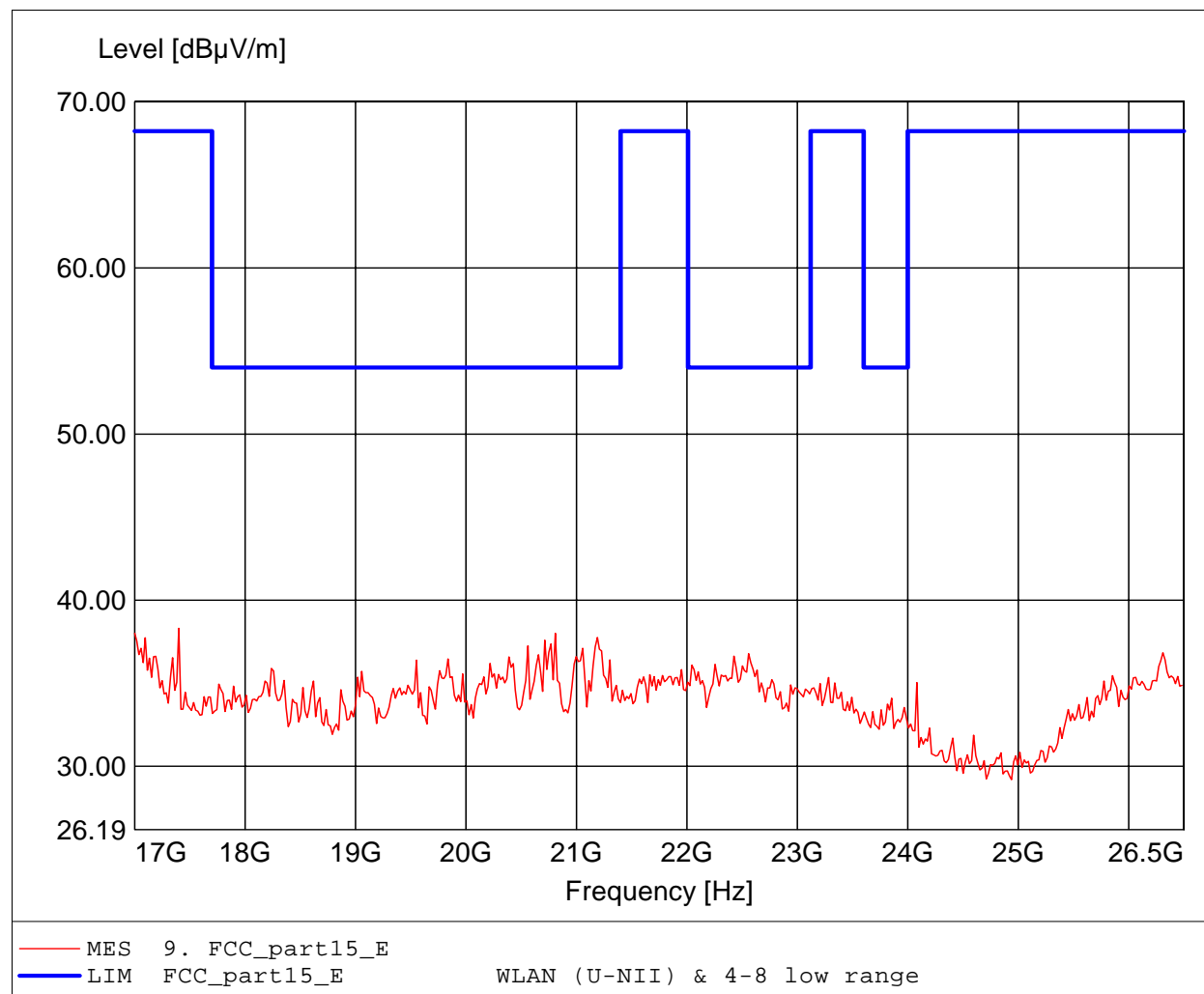
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 17.152GHz, Emax: 36.62dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

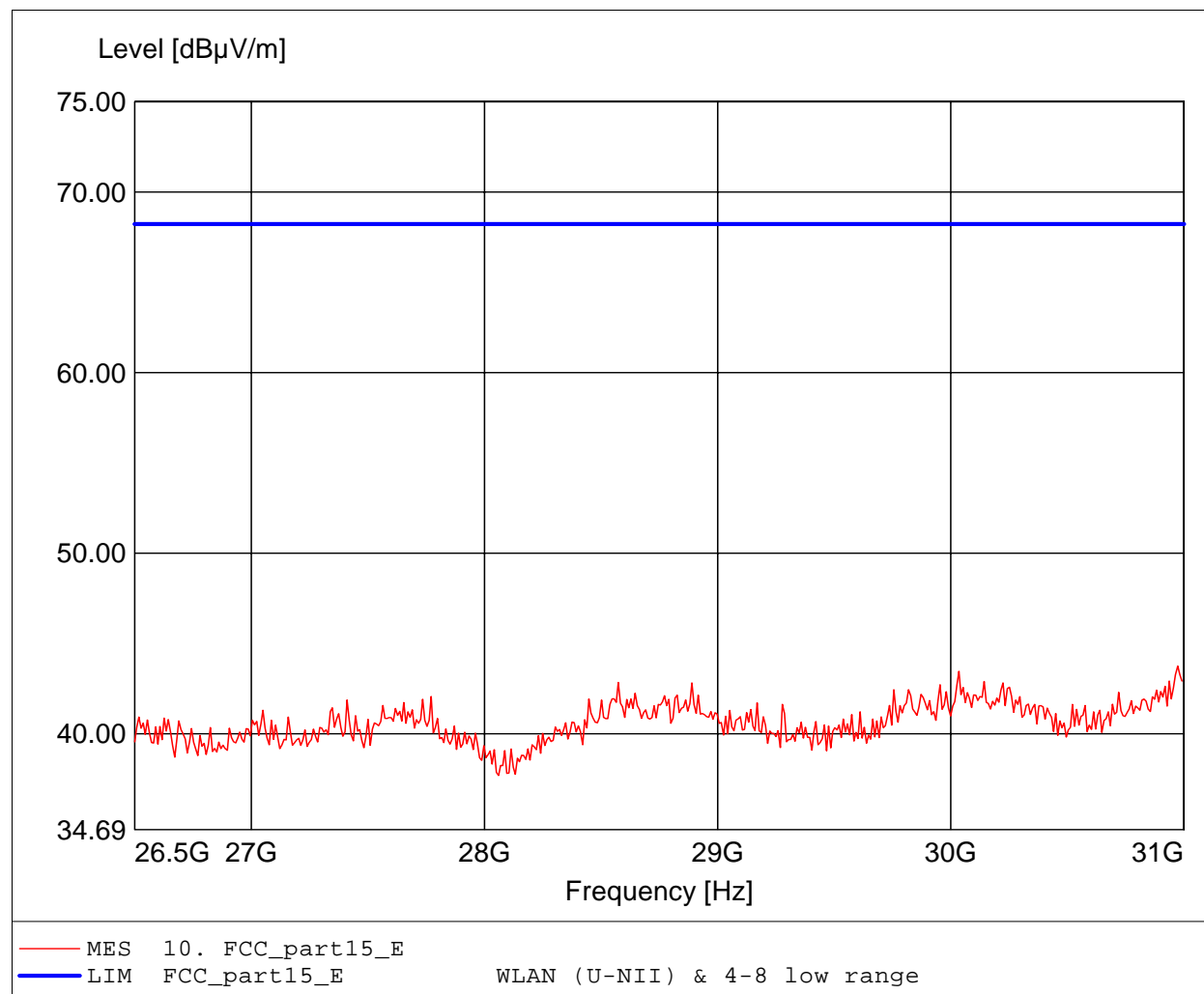
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: HL025, amplif.
Comment 2: Freq: 17.400GHz, Emax: 38.30dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

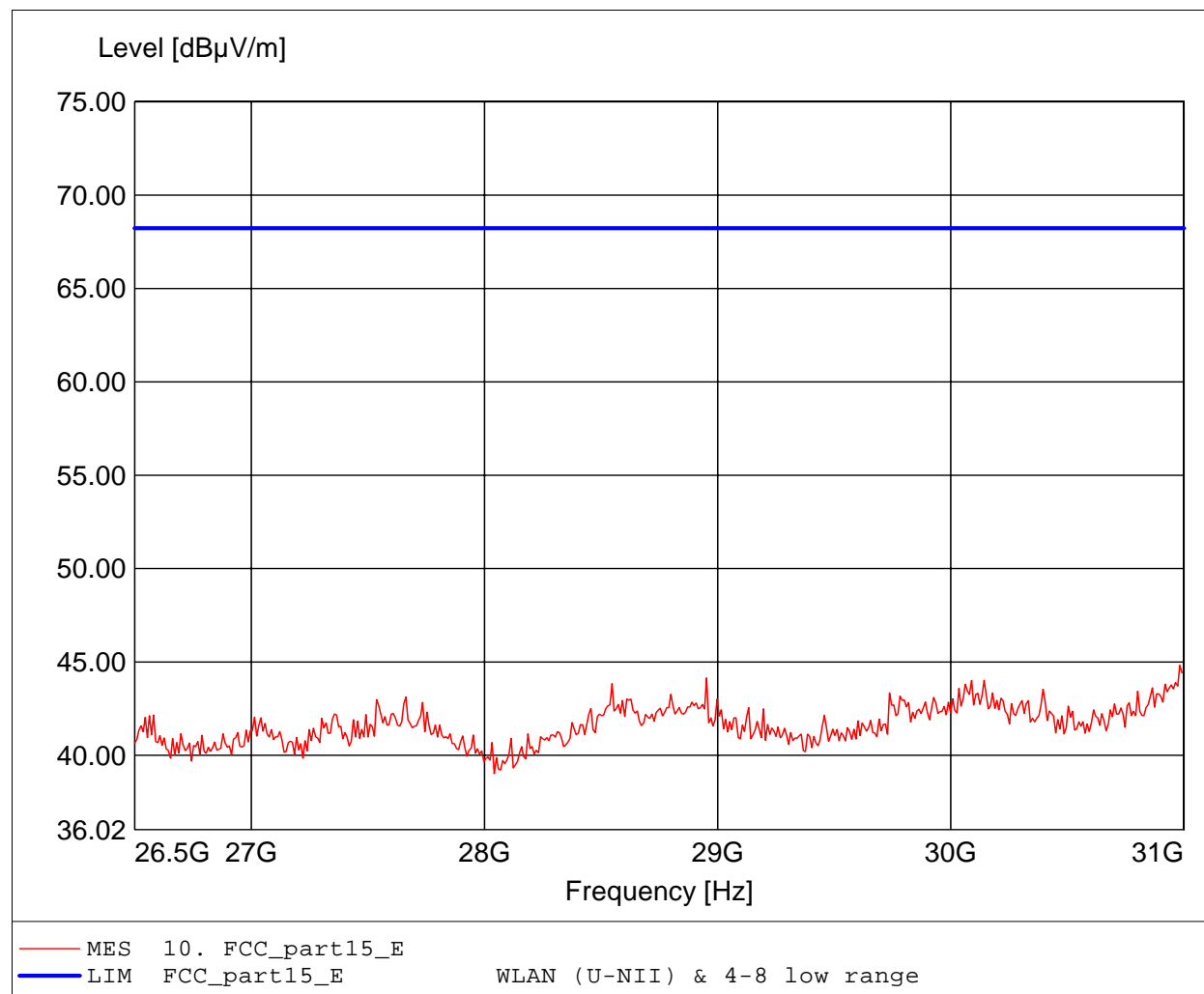
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.973GHz, Emax: 43.75dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

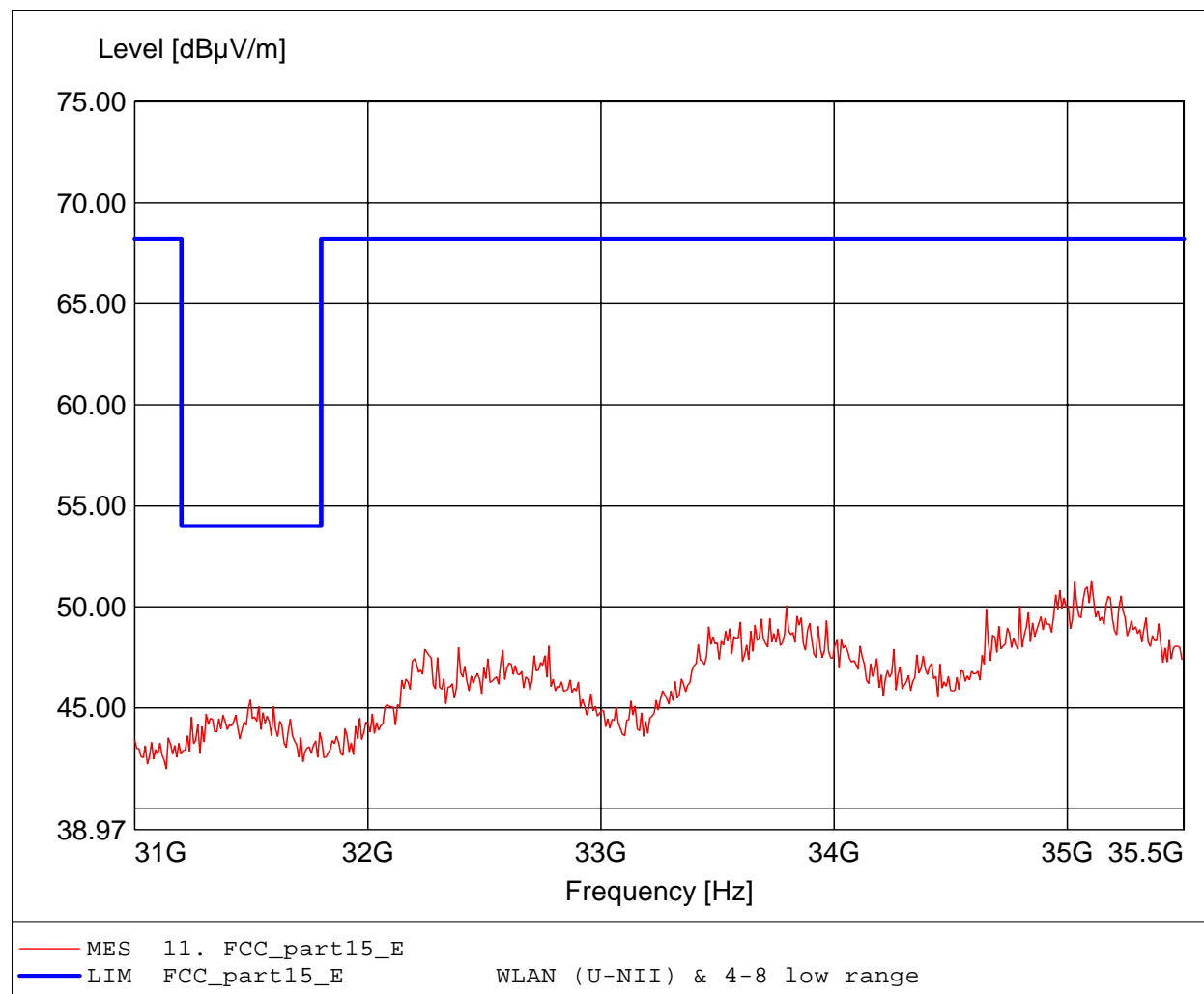
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 30.982GHz, Emax: 44.82dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

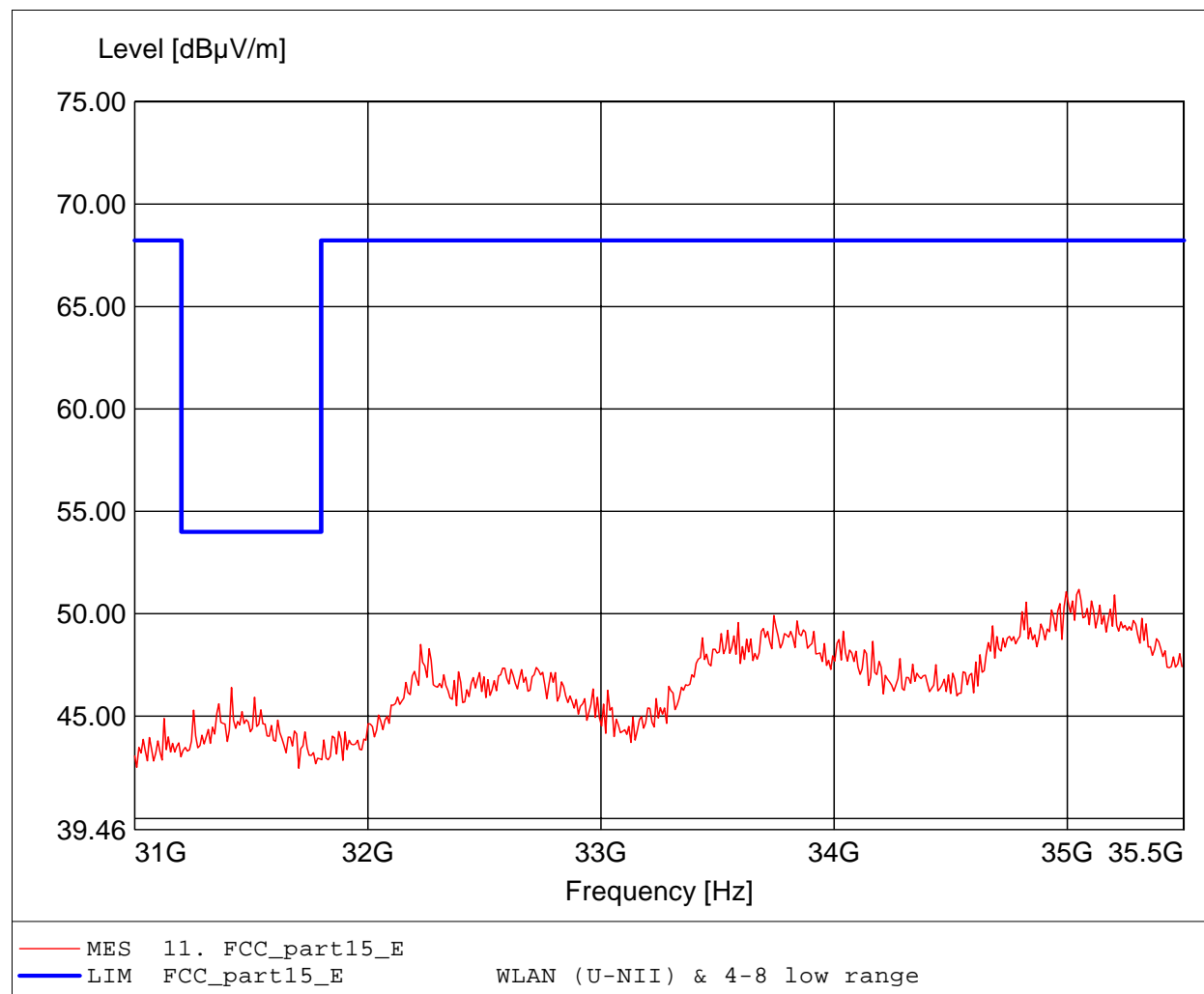
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.103GHz, Emax: 51.29dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

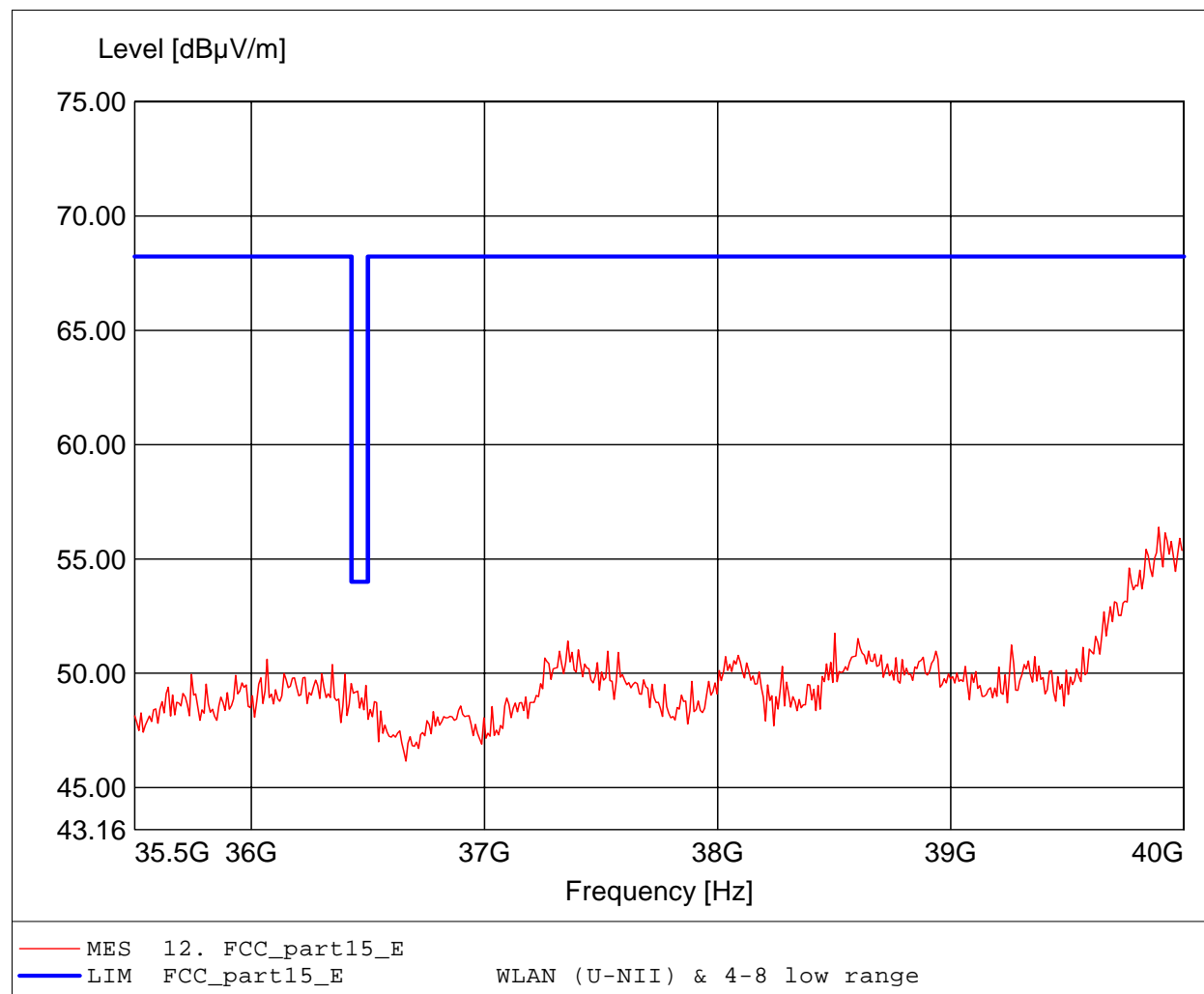
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 35.049GHz, Emax: 51.19dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

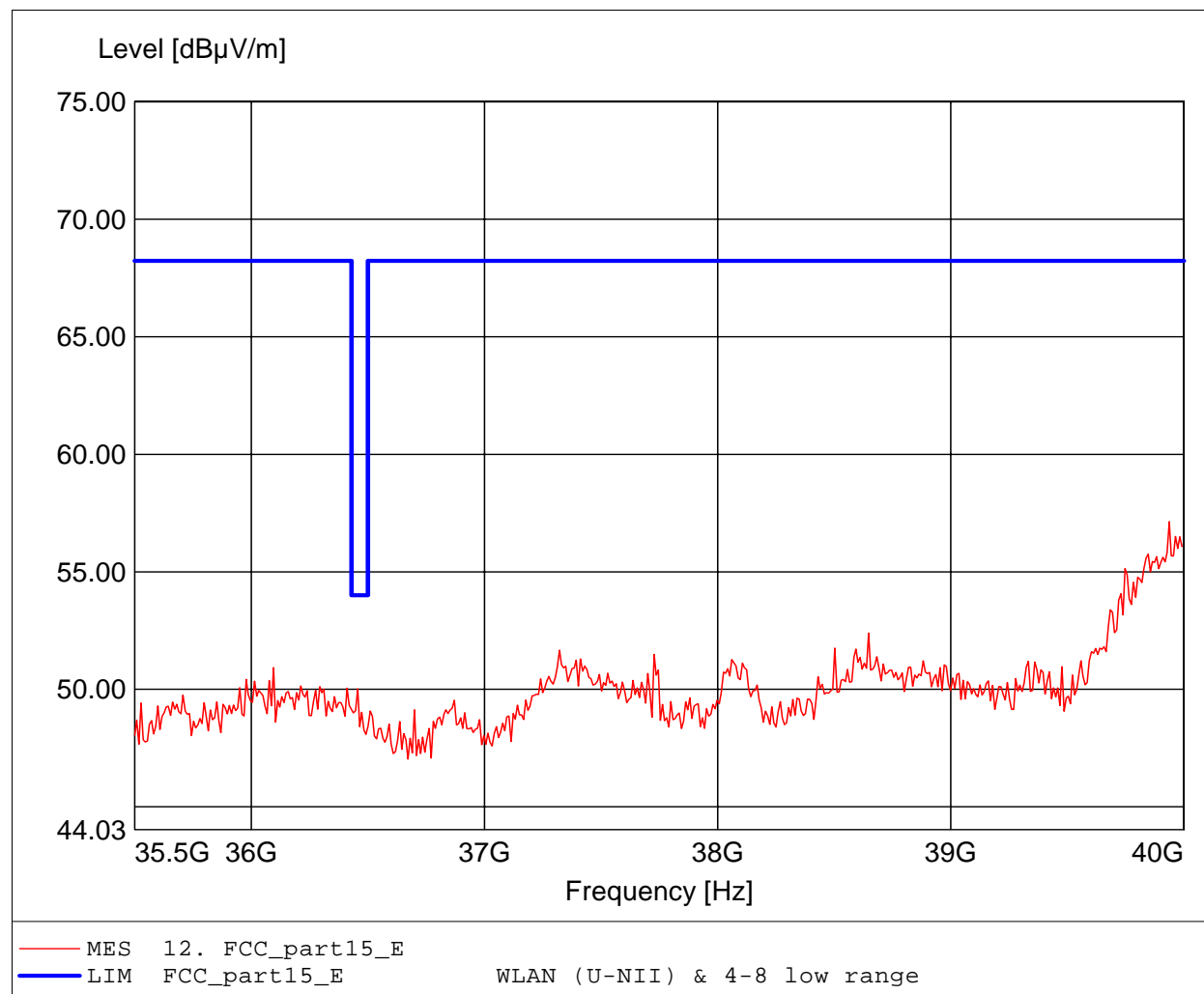
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.892GHz, Emax: 56.39dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

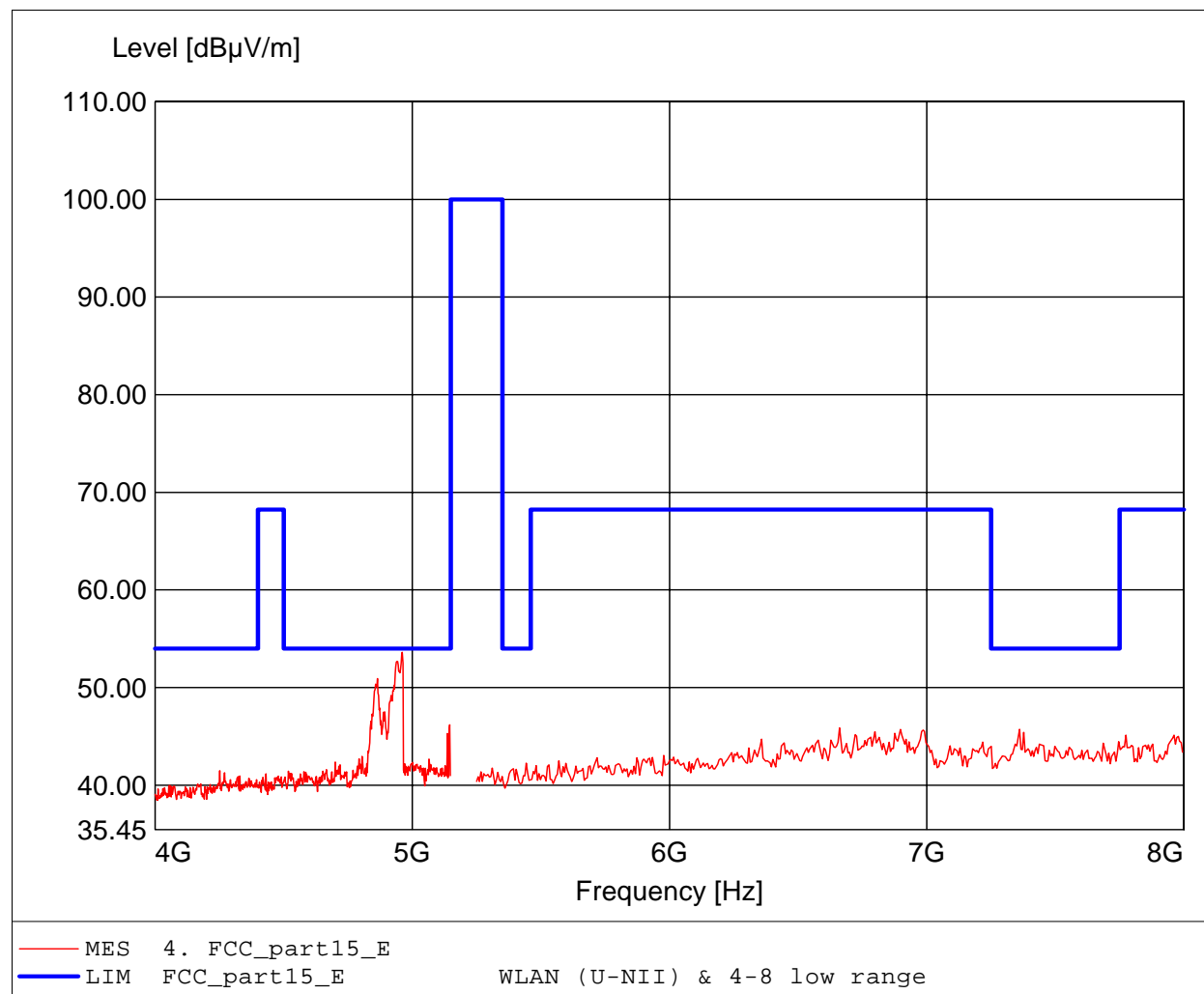
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5745 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 1m, Ant.: Horn 22240-25, amplif.
Comment 2: Freq: 39.937GHz, Emax: 57.13dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

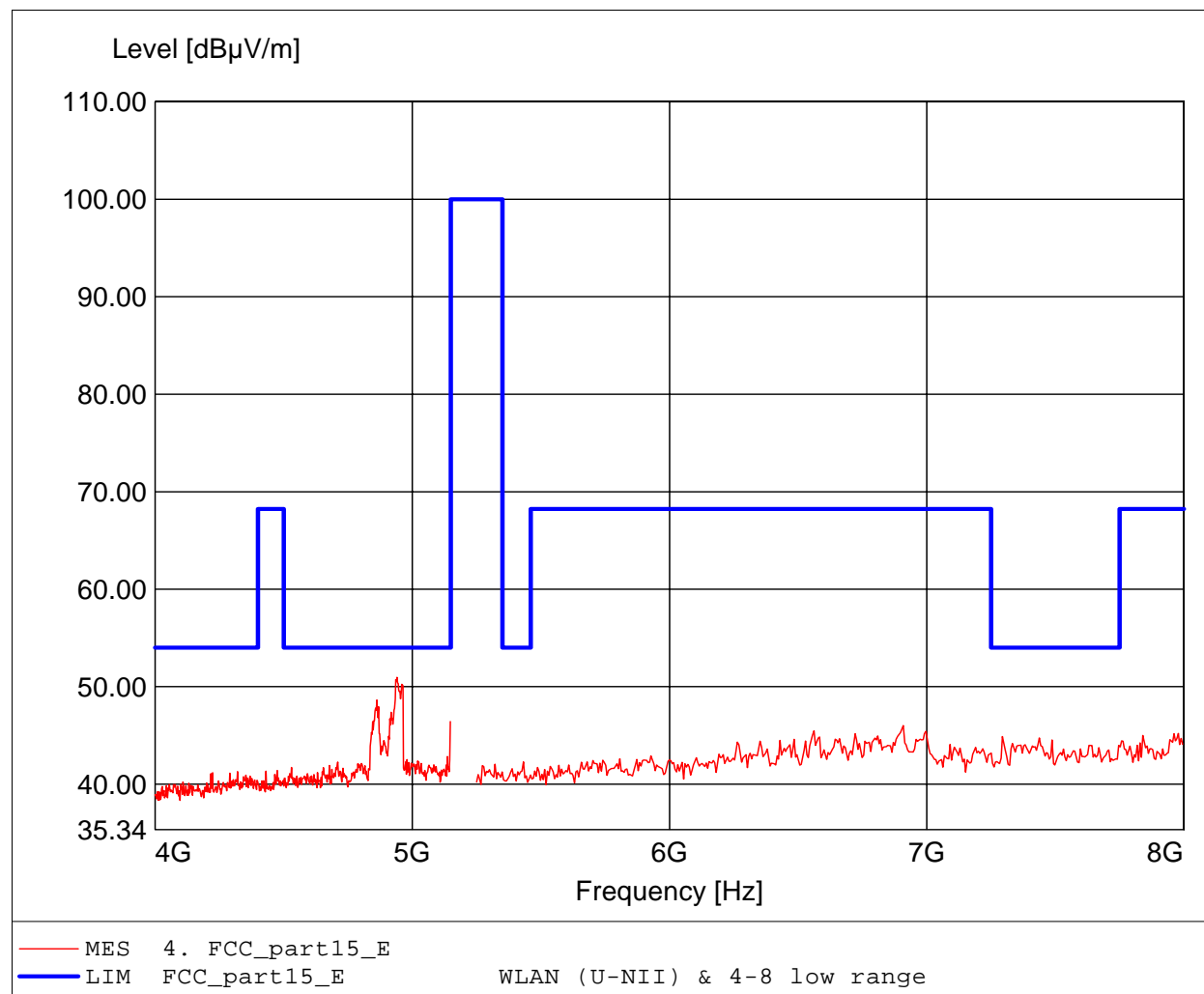
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.961GHz, Emax: 53.62dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

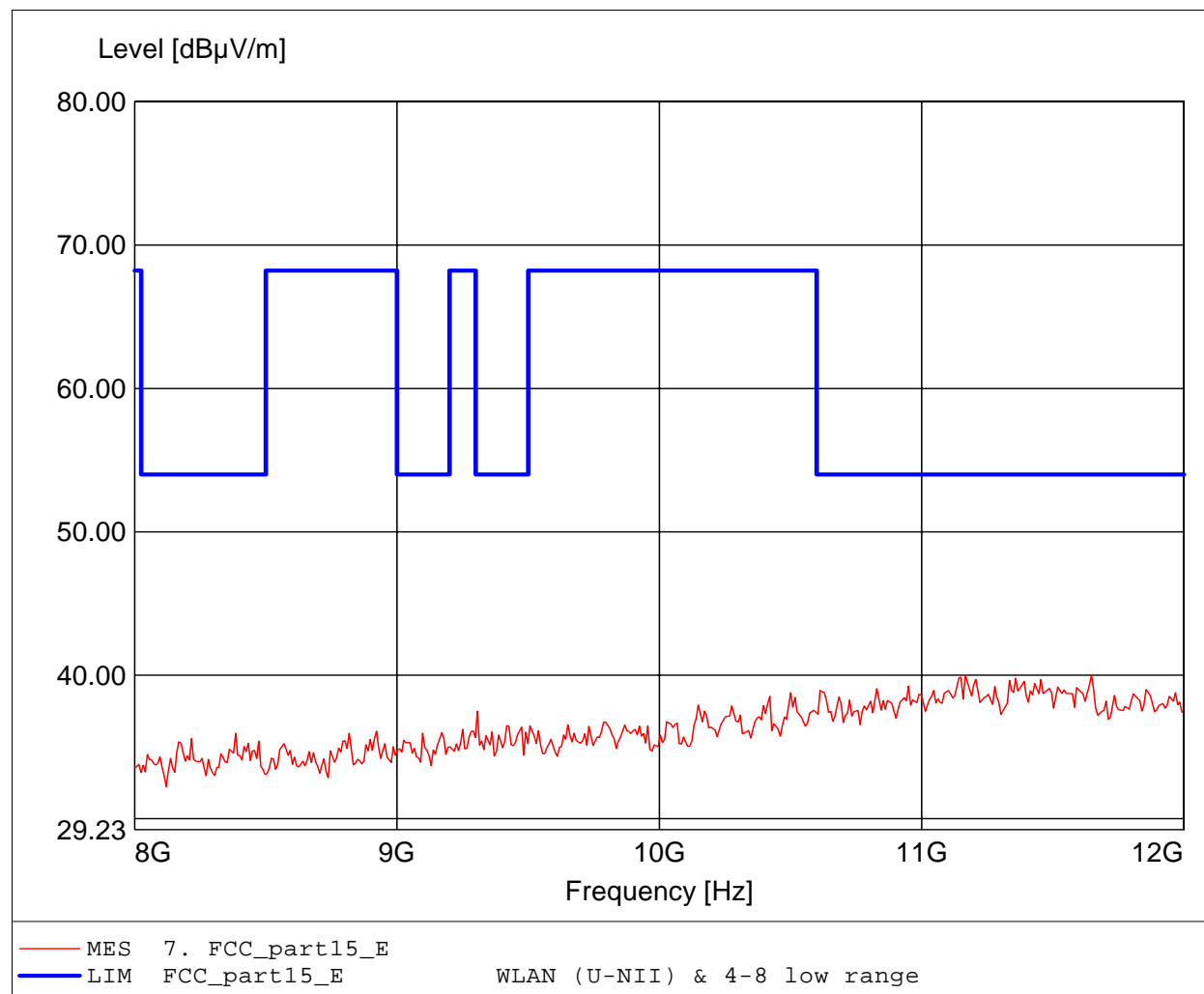
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.940GHz, Emax: 50.96dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

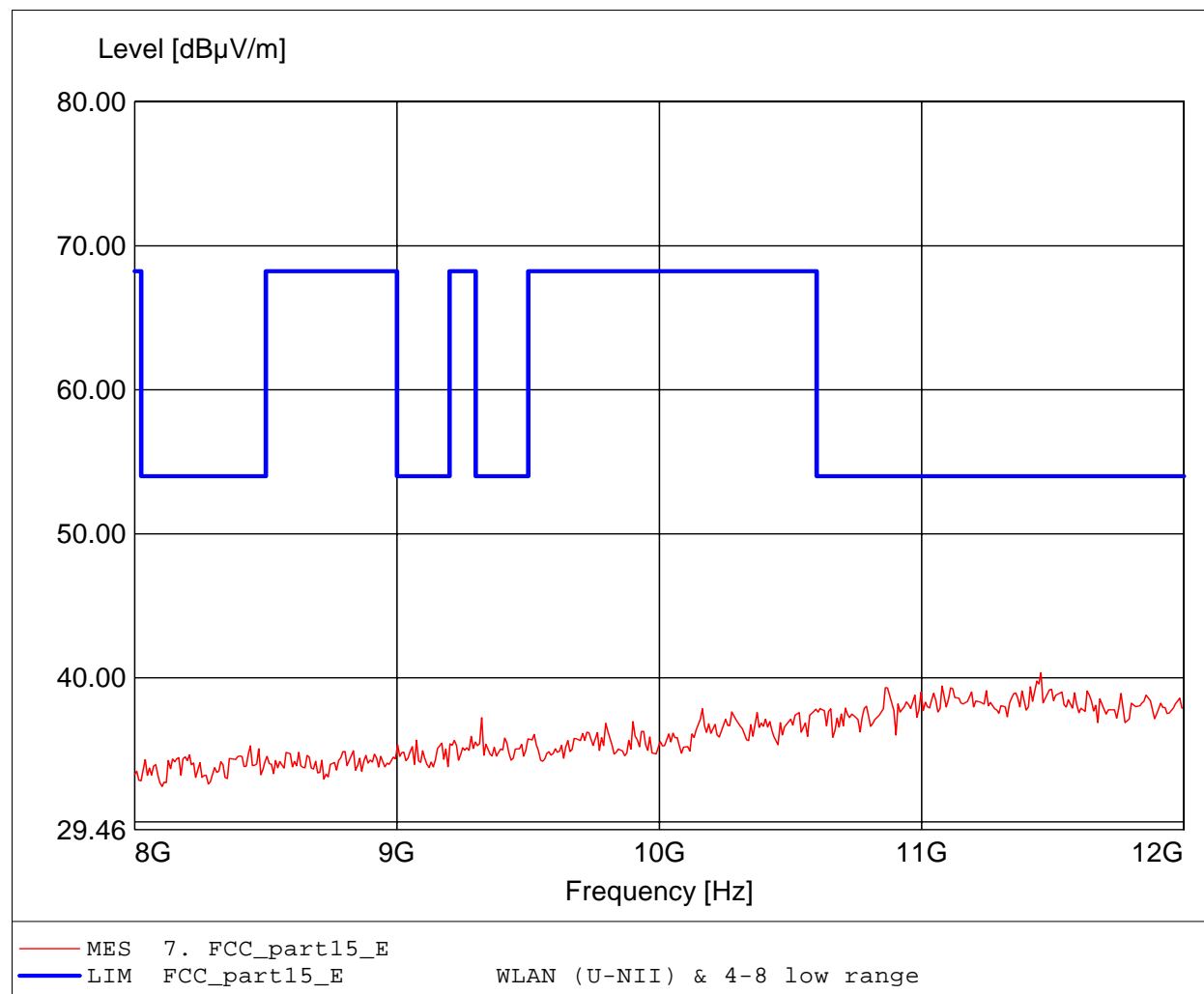
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.647GHz, Emax: 40.01dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

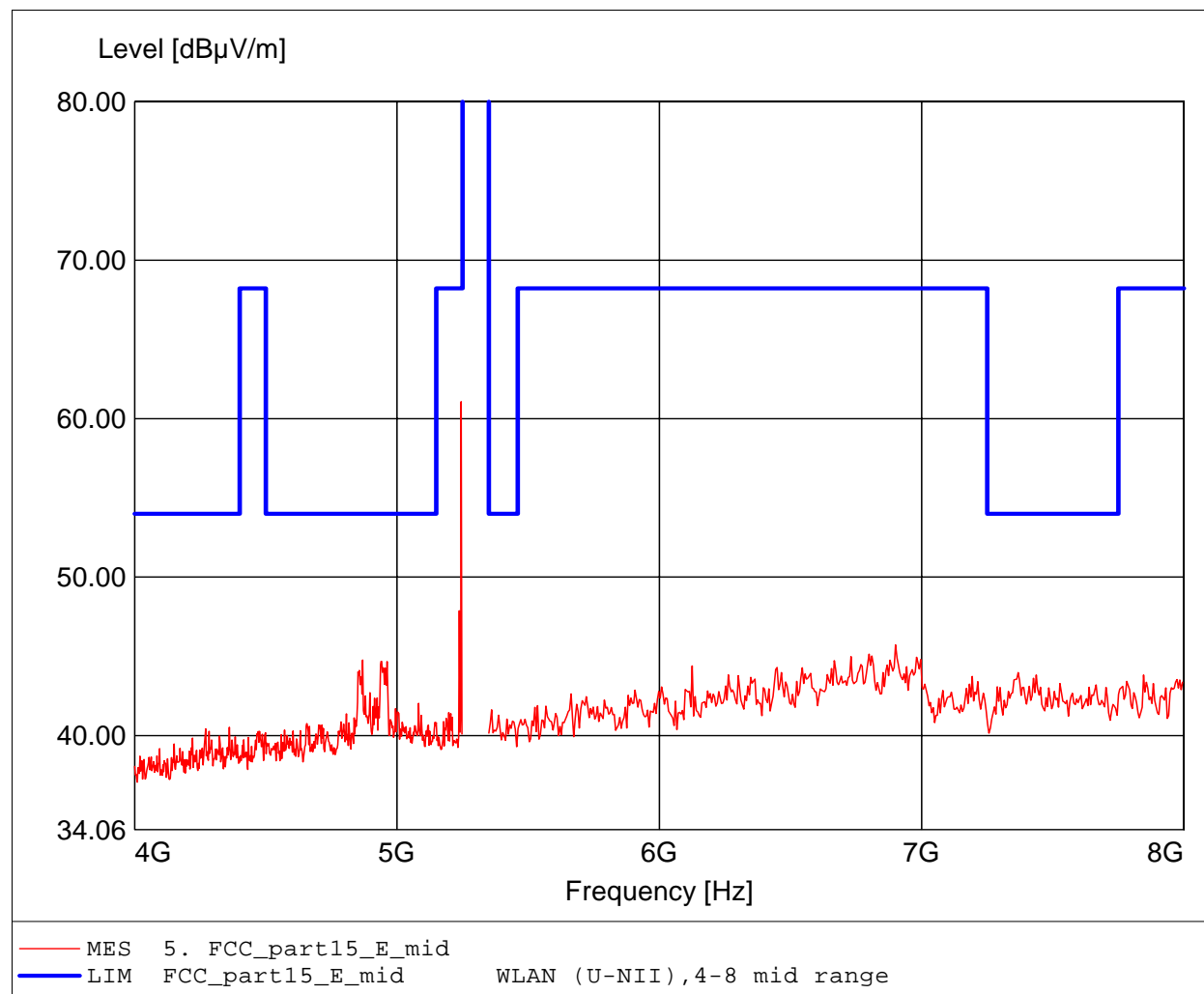
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5180 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.455GHz, Emax: 40.35dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

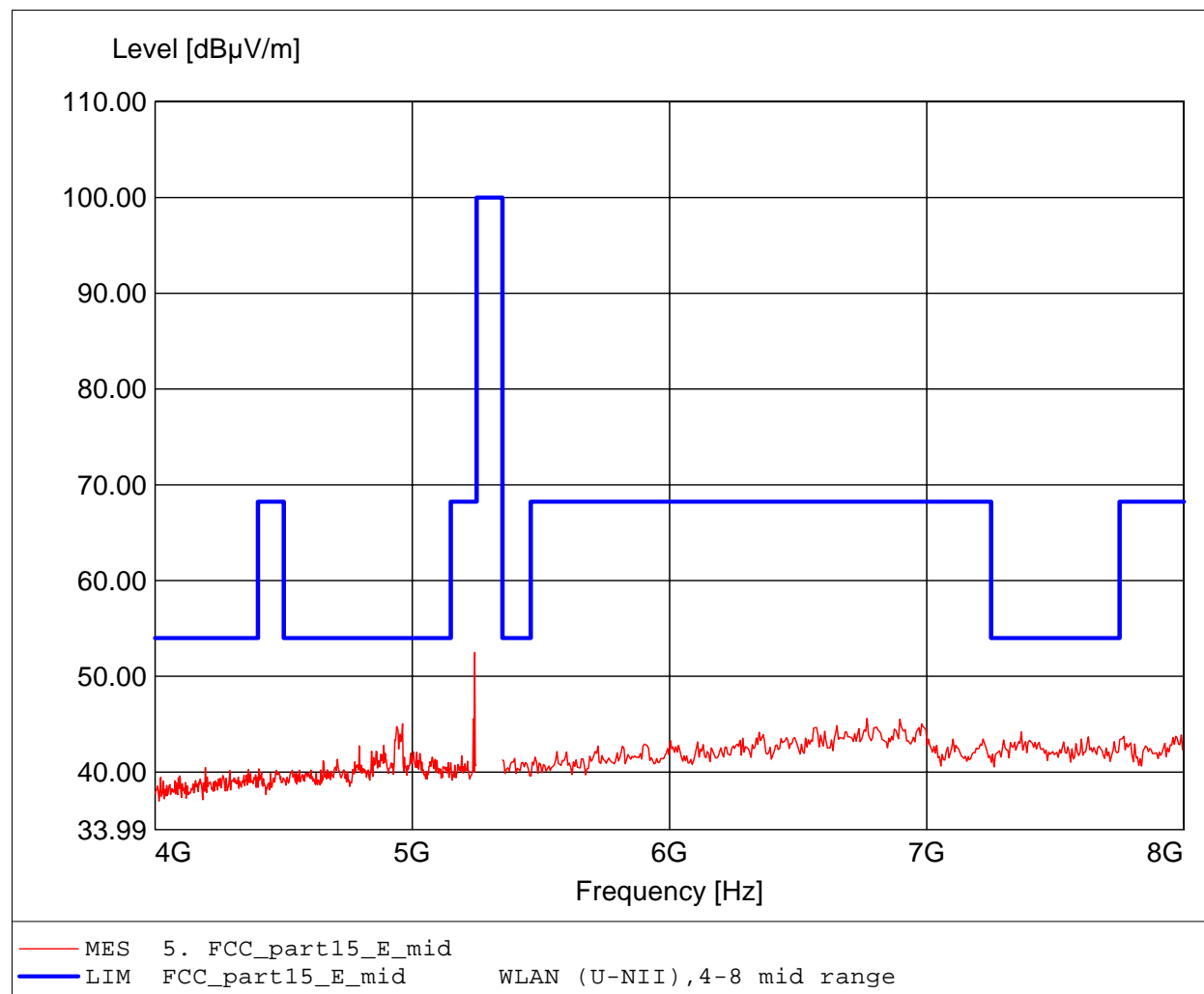
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.245GHz, Emax: 61.08dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

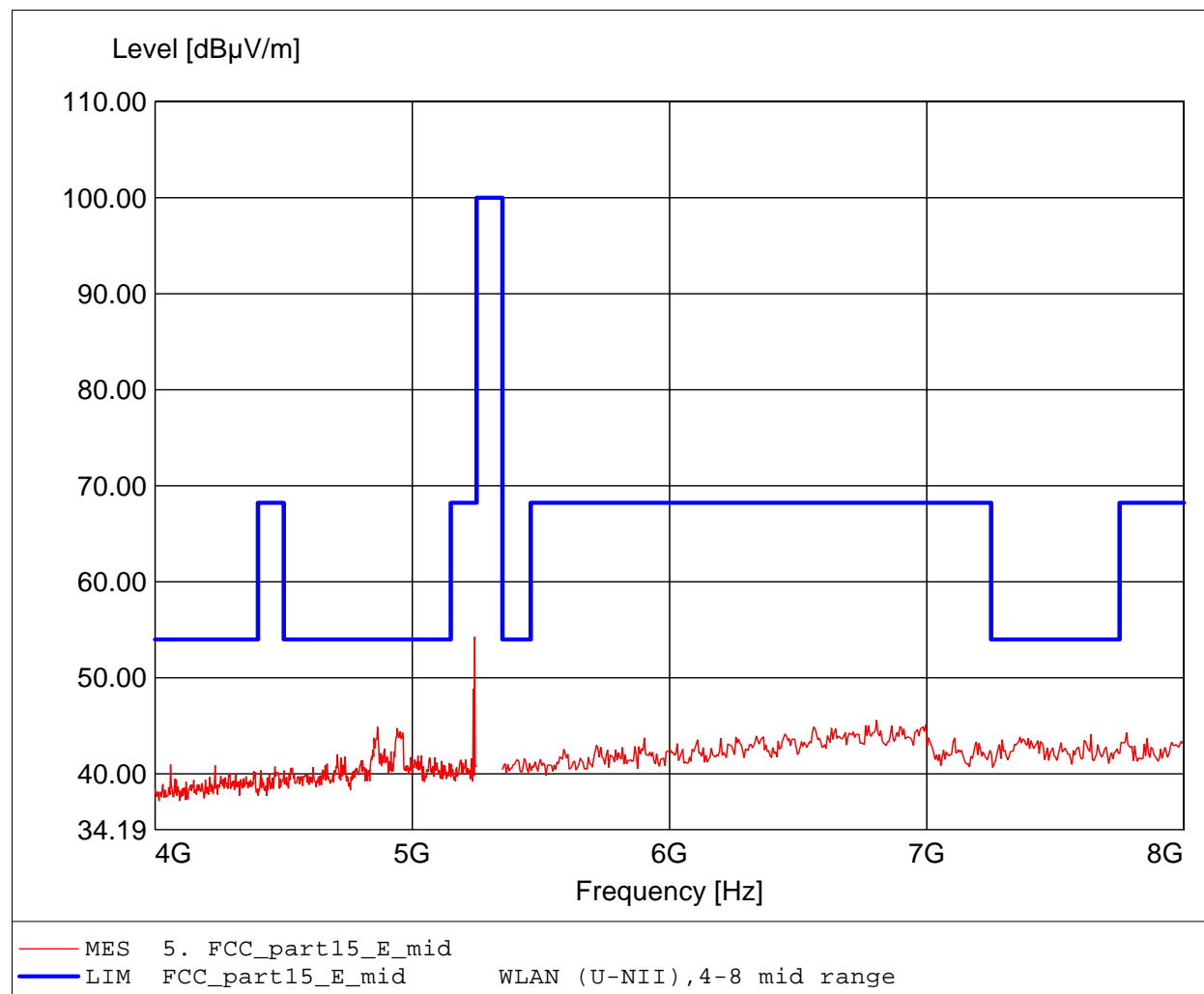
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.242GHz, Emax: 52.49dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

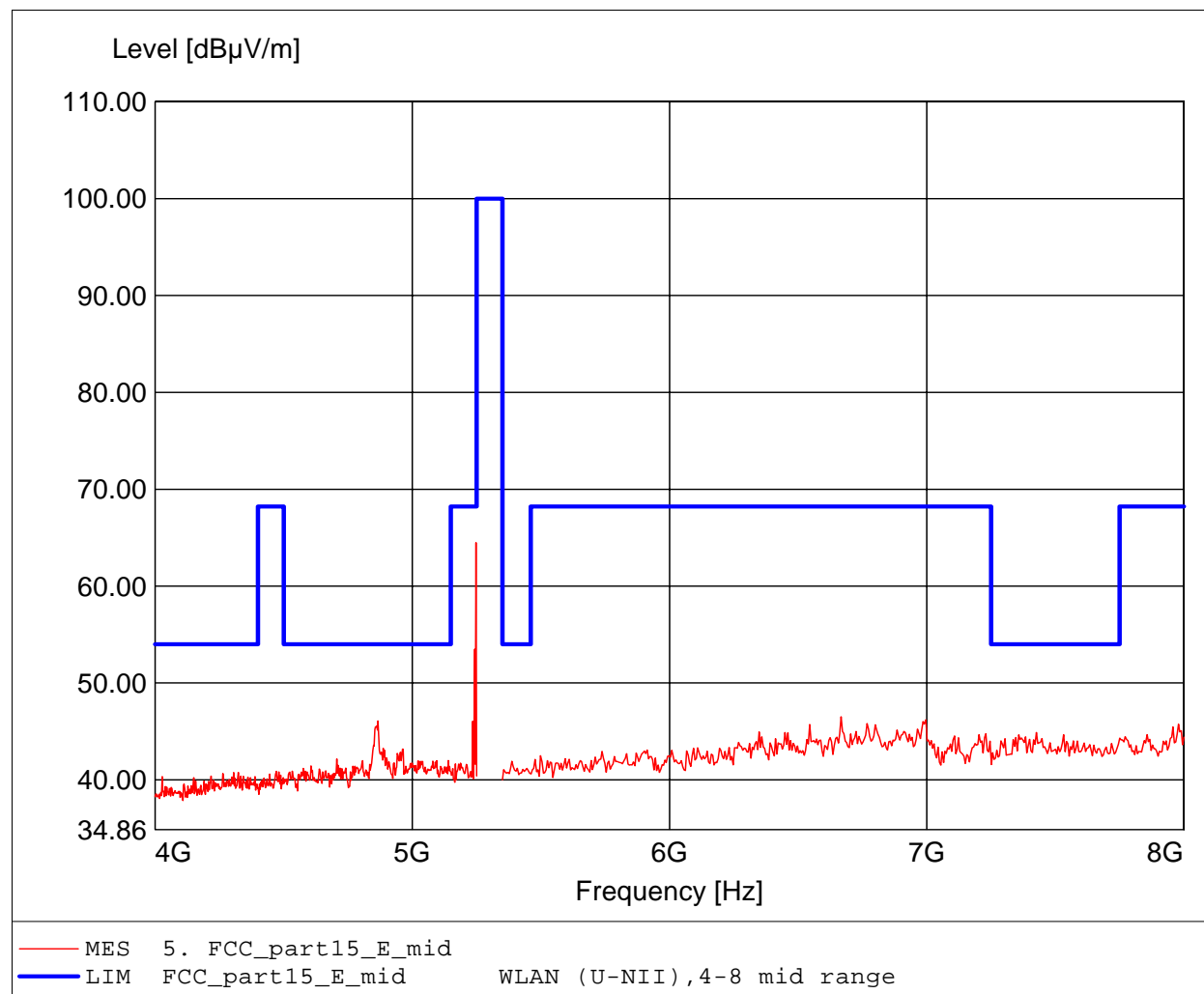
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.242GHz, Emax: 54.25dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

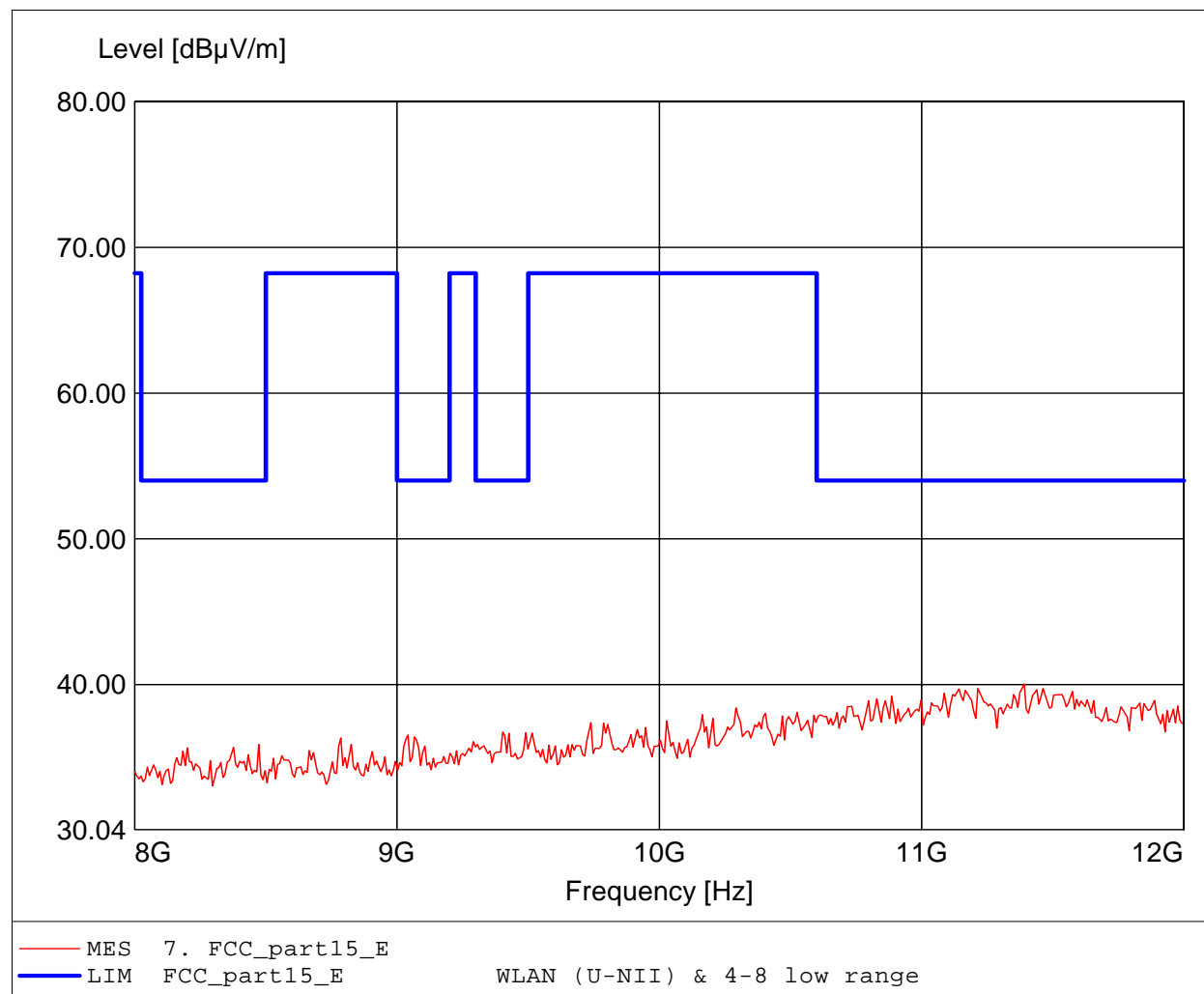
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 5.247GHz, Emax: 64.50dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

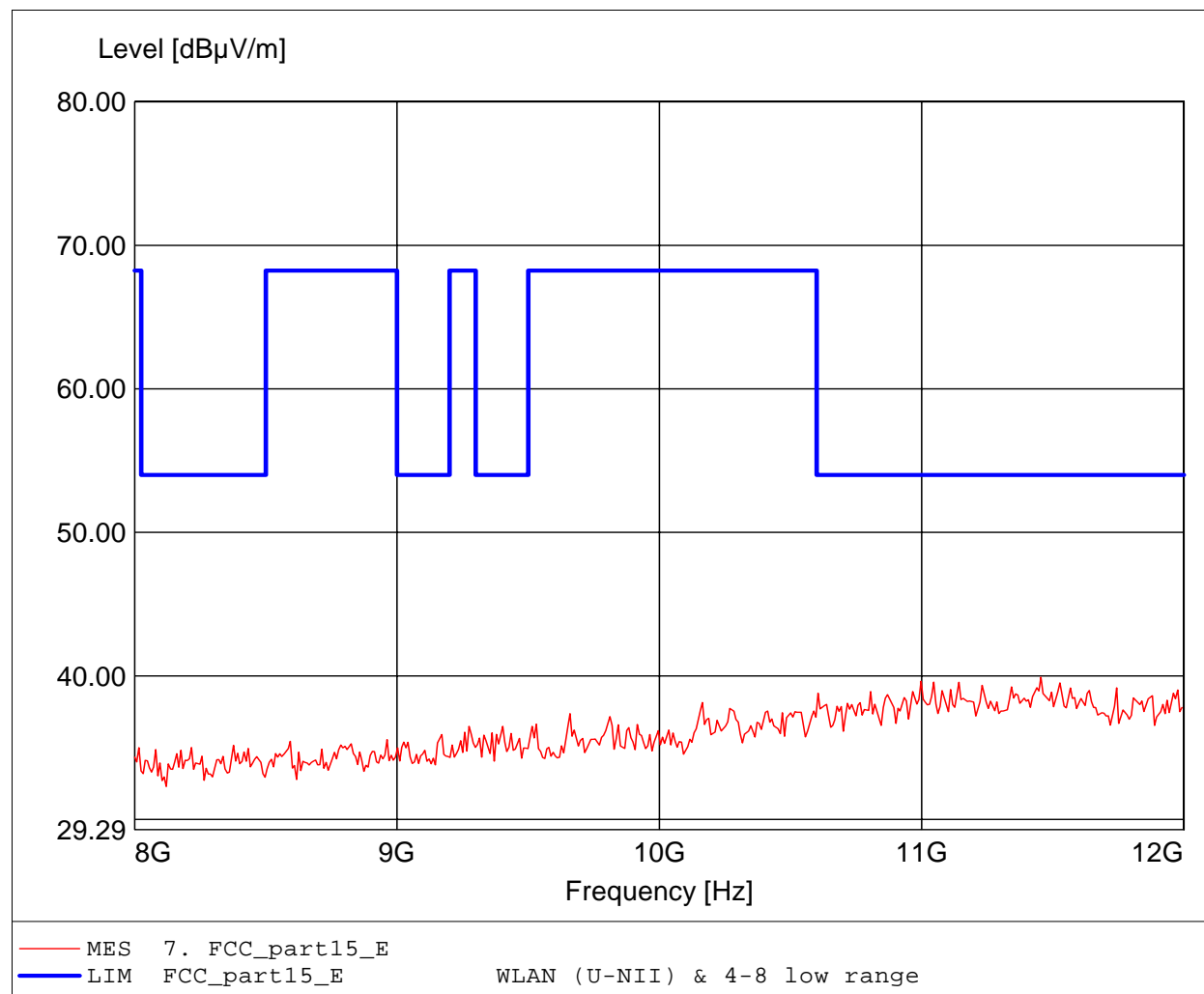
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.391GHz, Emax: 40.04dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

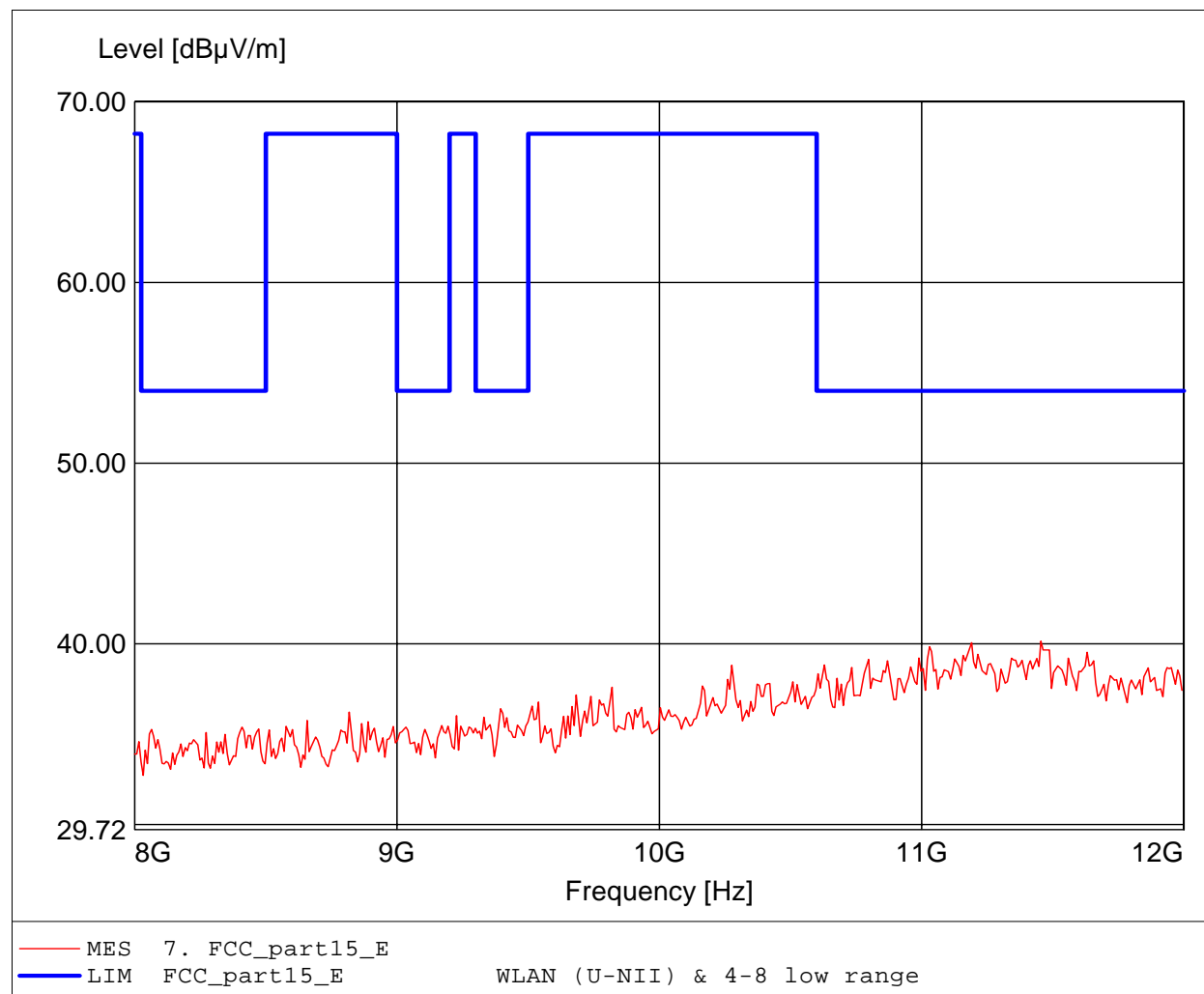
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.455GHz, Emax: 39.91dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

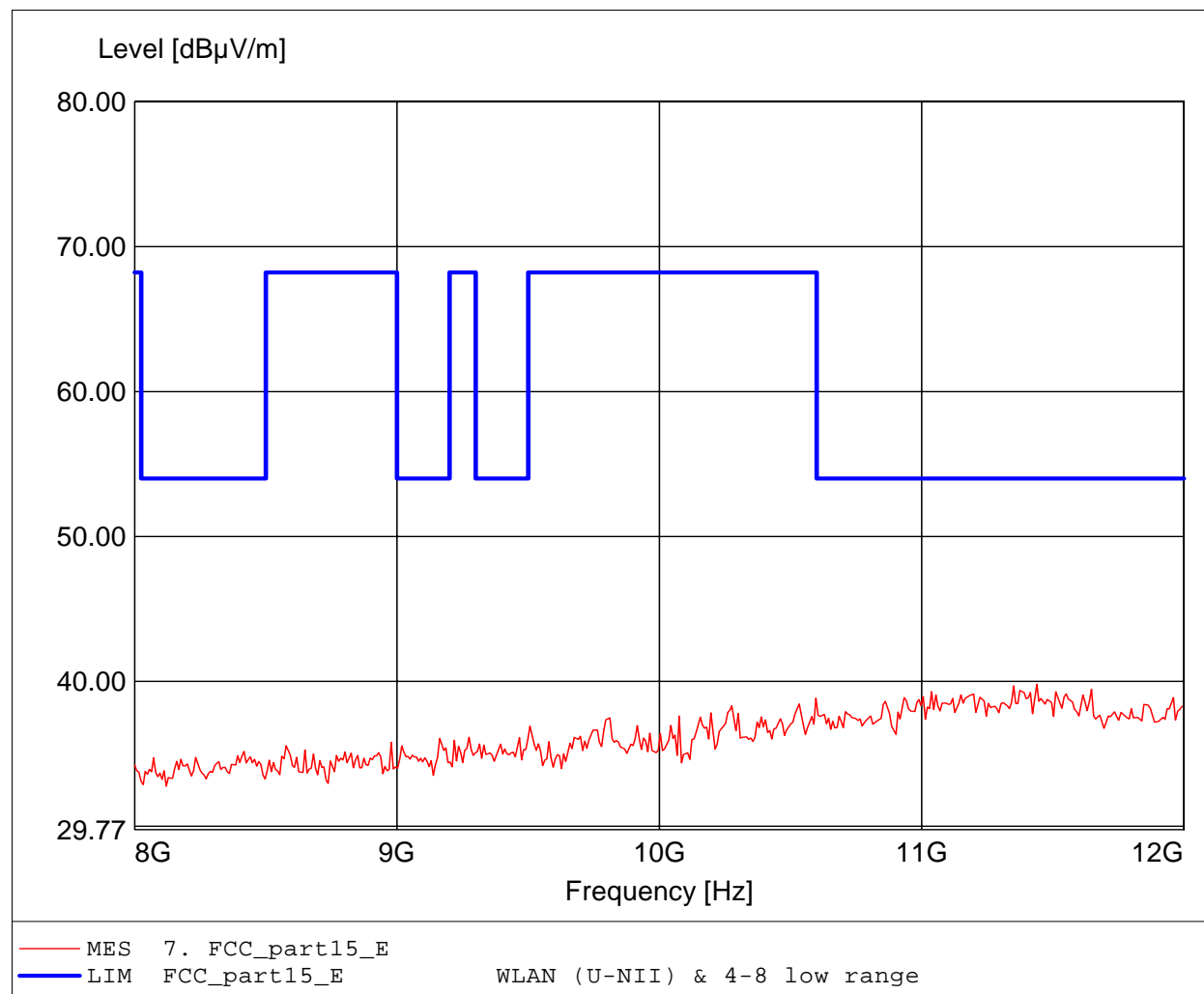
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.455GHz, Emax: 40.15dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

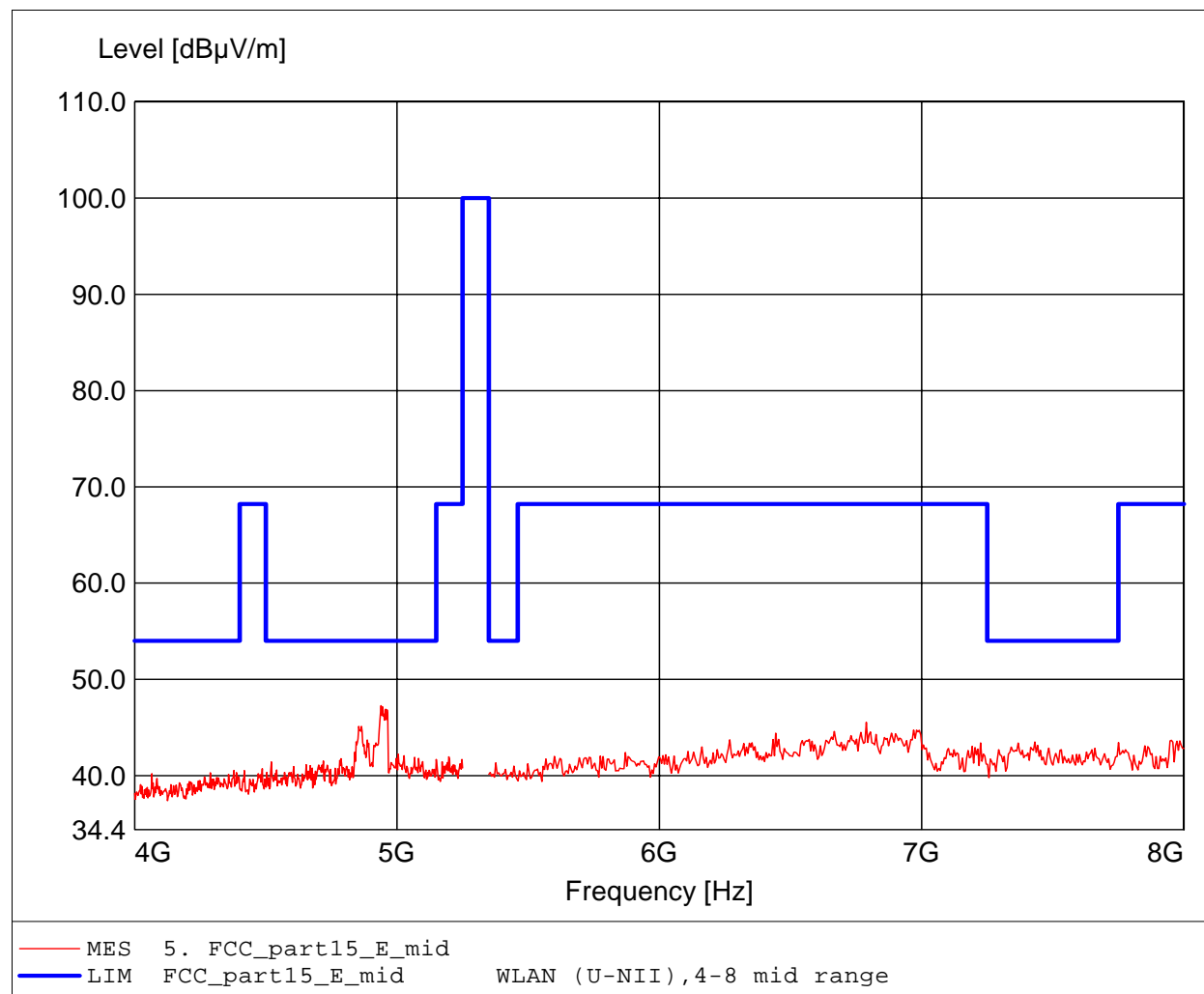
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5260 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.439GHz, Emax: 39.82dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

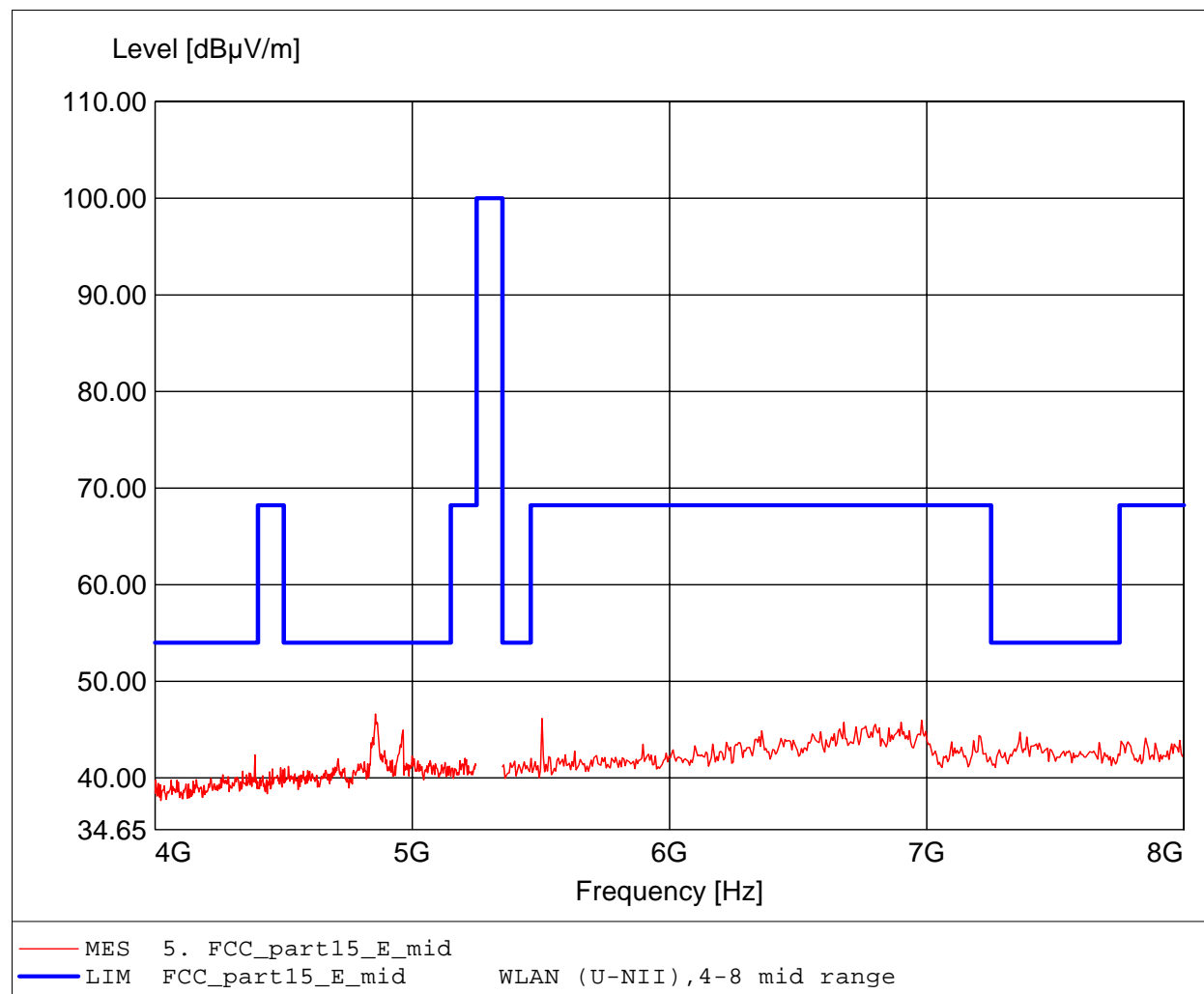
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.939GHz, Emax: 47.28dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

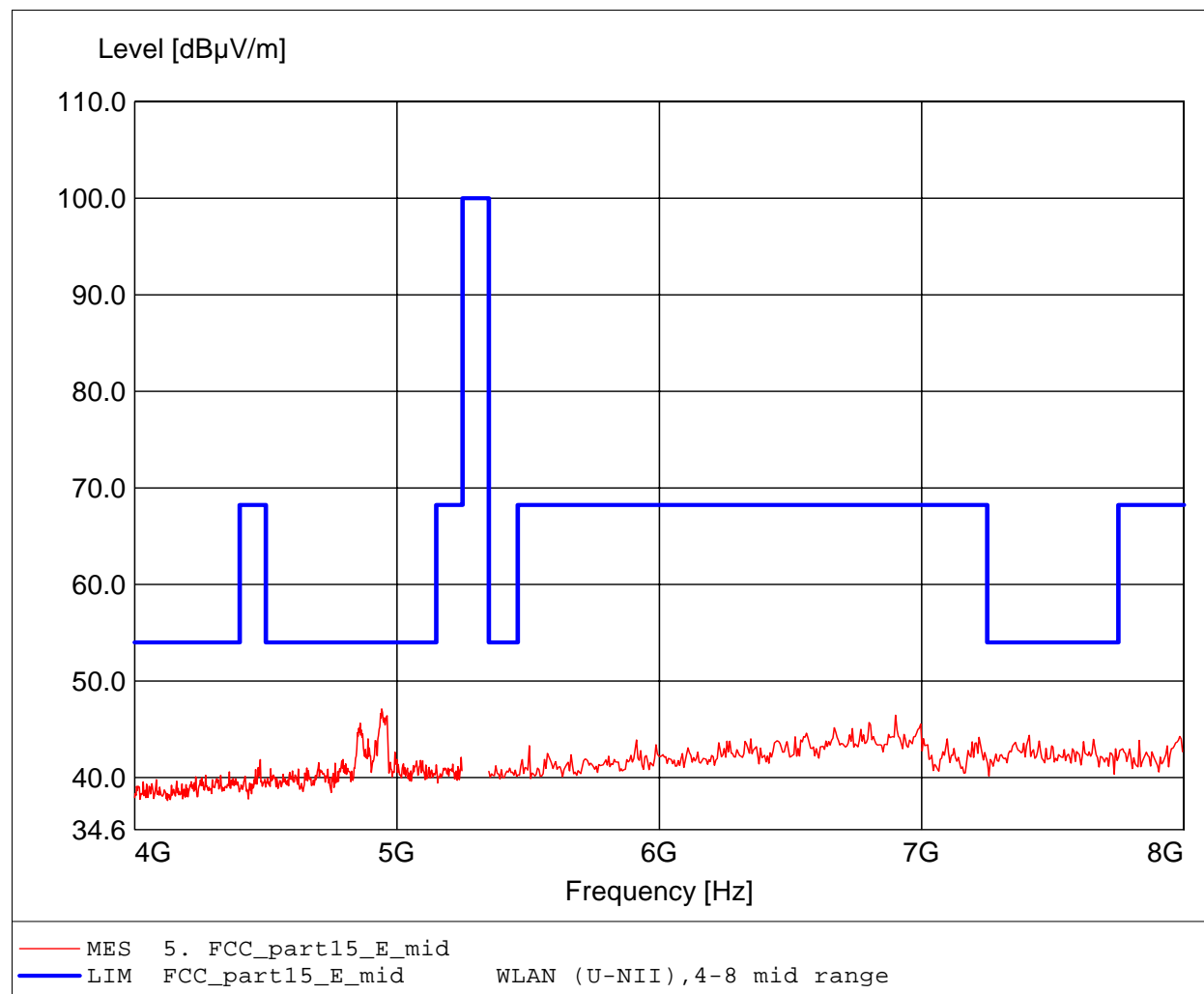
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.857GHz, Emax: 46.62dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

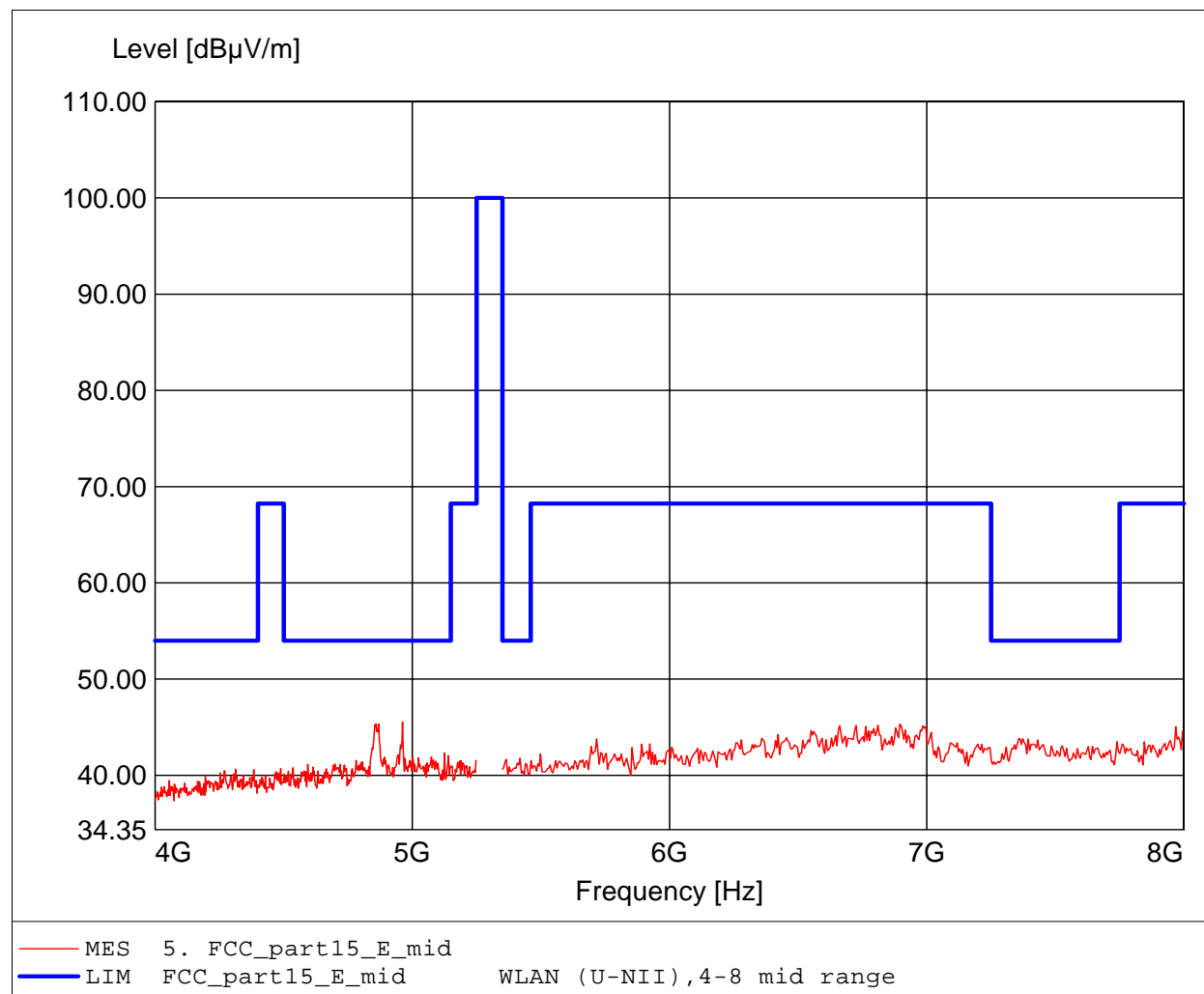
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.942GHz, Emax: 47.11dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

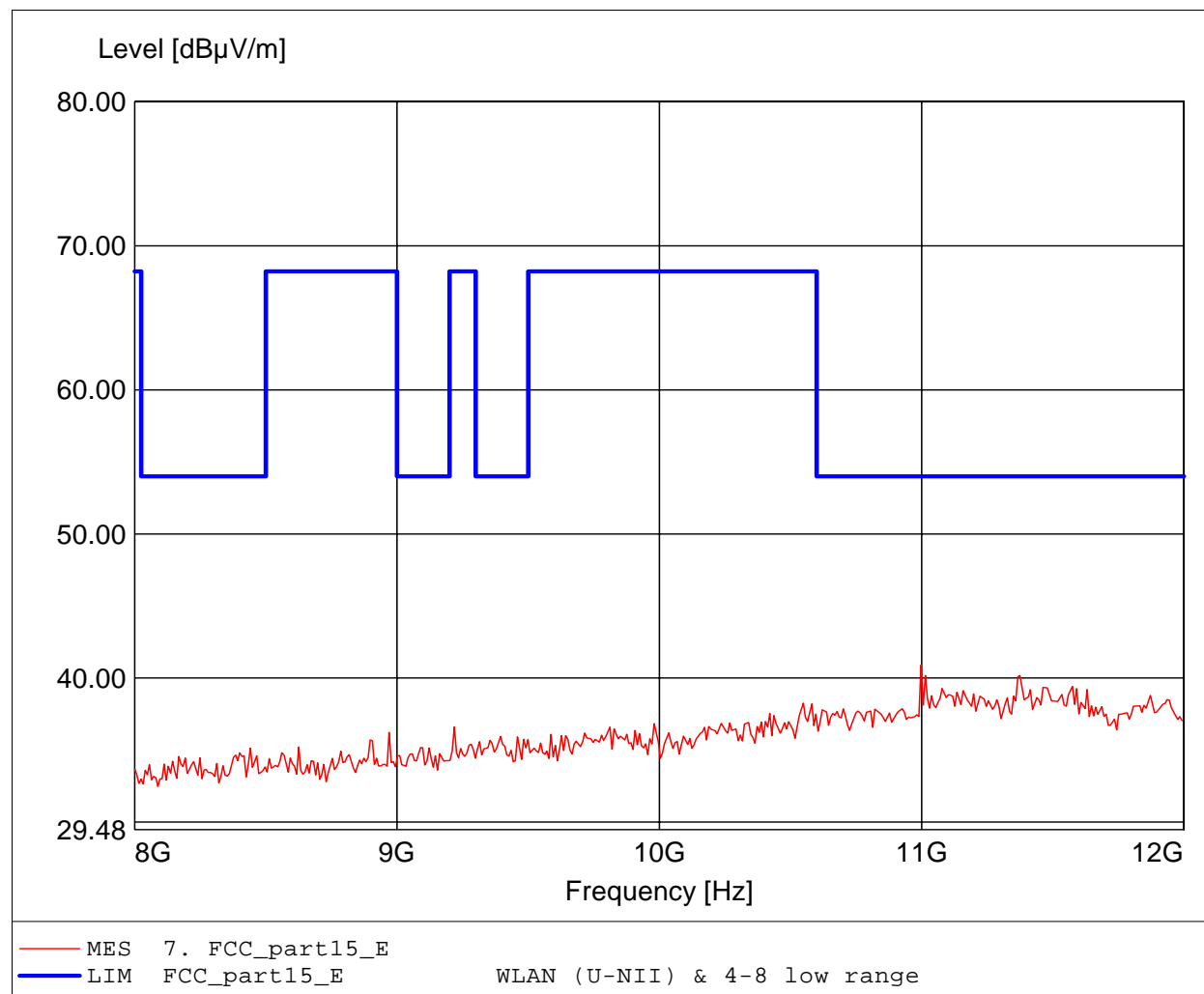
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.962GHz, Emax: 45.55dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

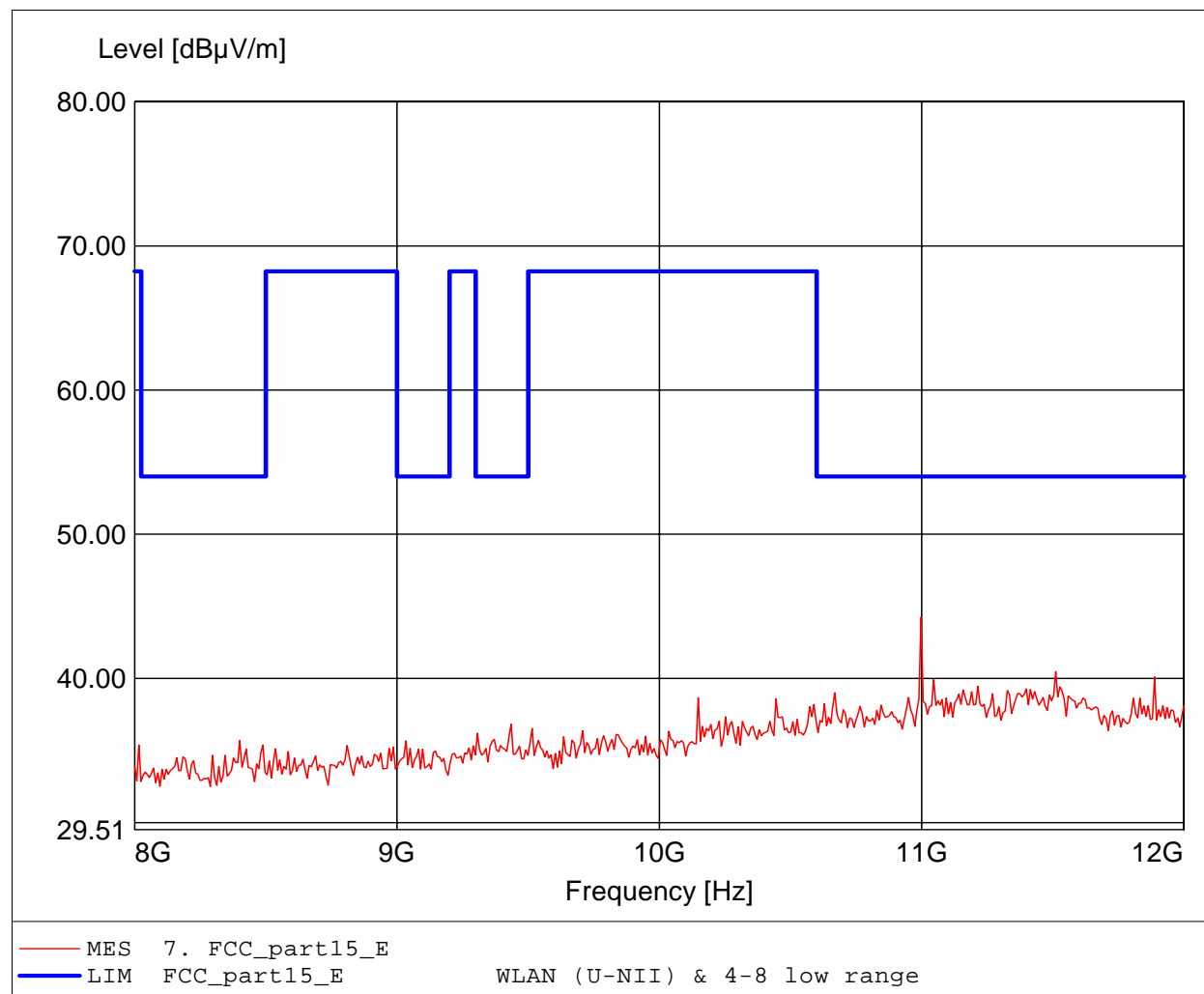
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.998GHz, Emax: 40.90dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

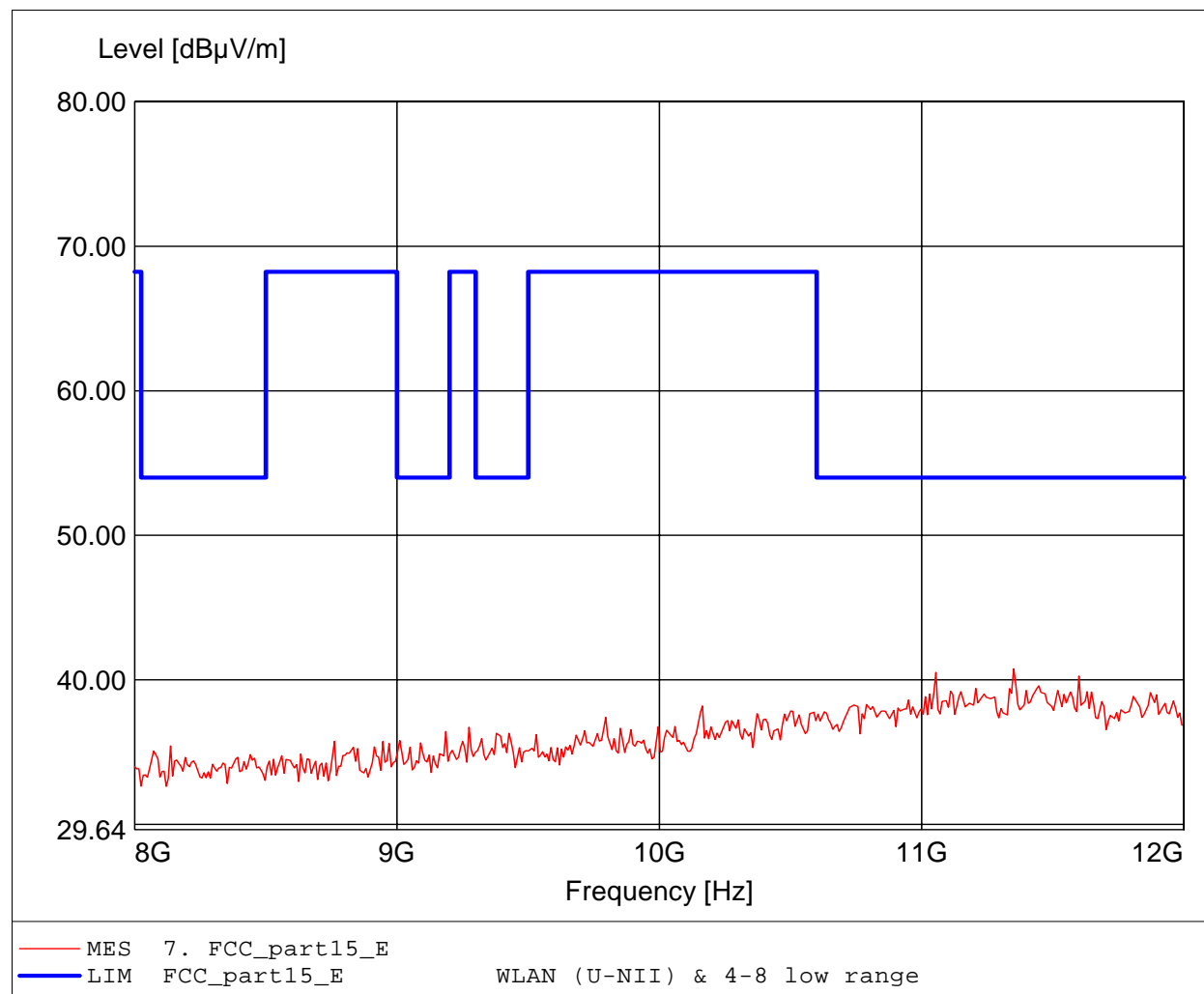
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.998GHz, Emax: 44.23dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

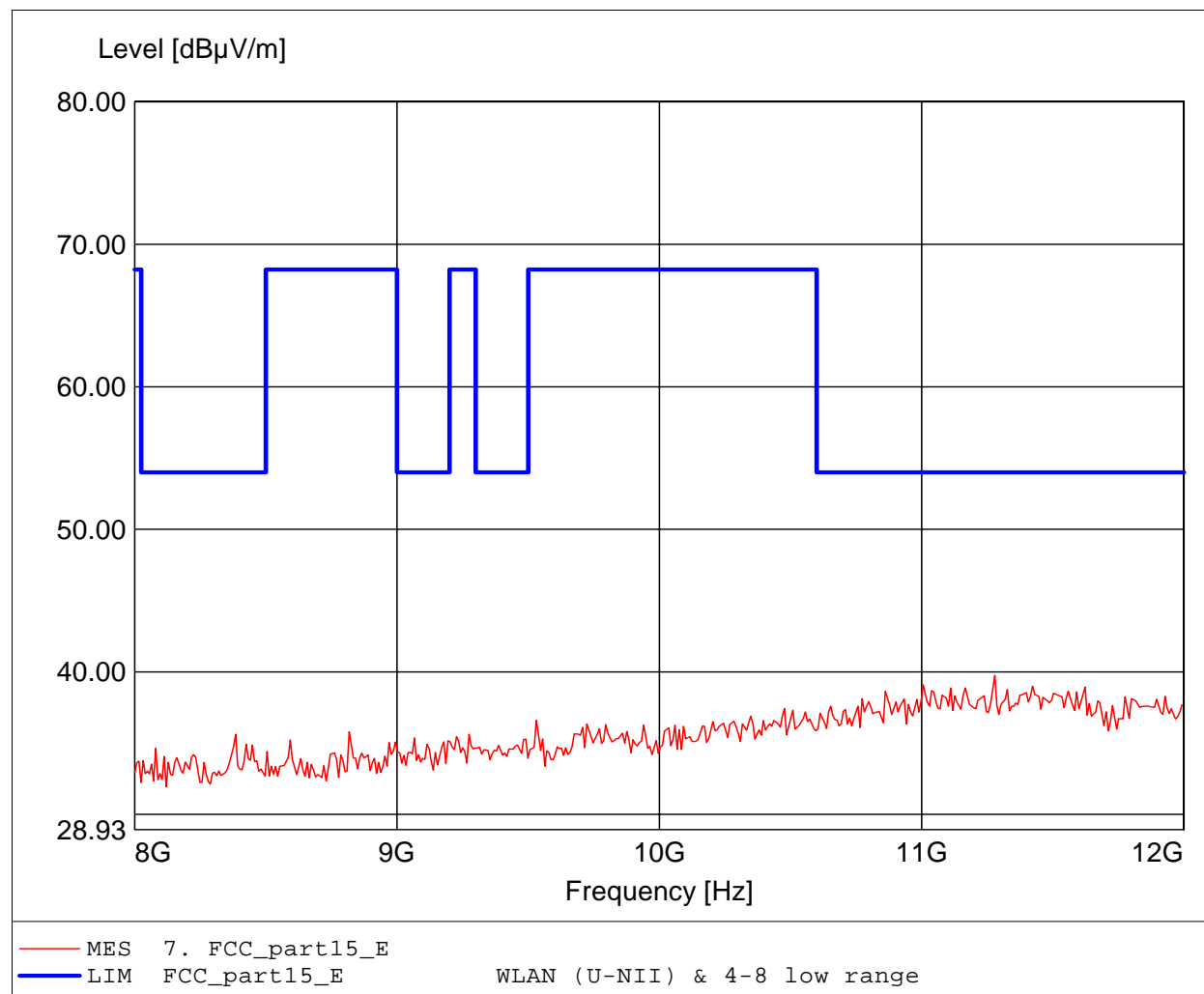
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.351GHz, Emax: 40.76dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

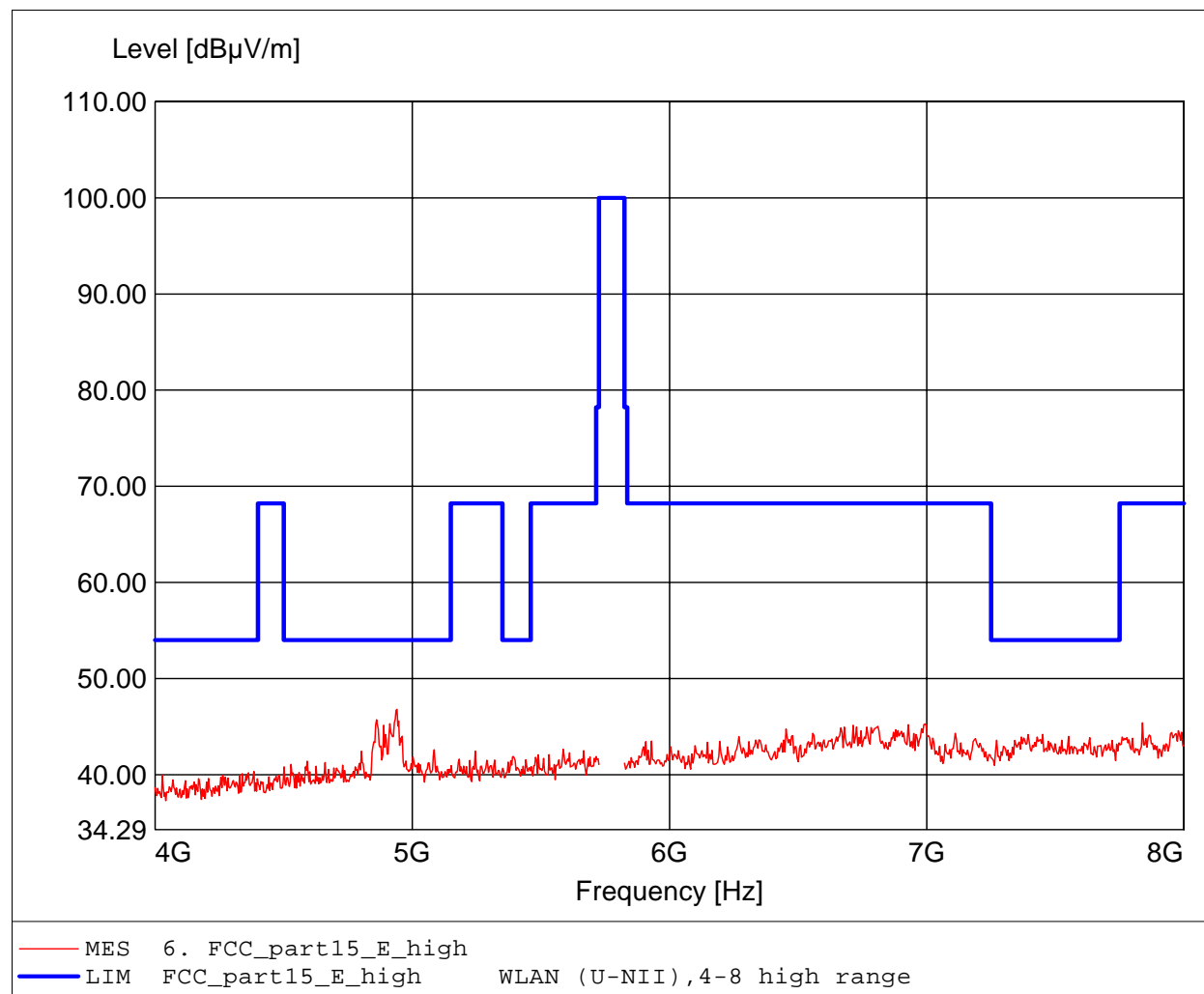
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.279GHz, Emax: 39.74dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

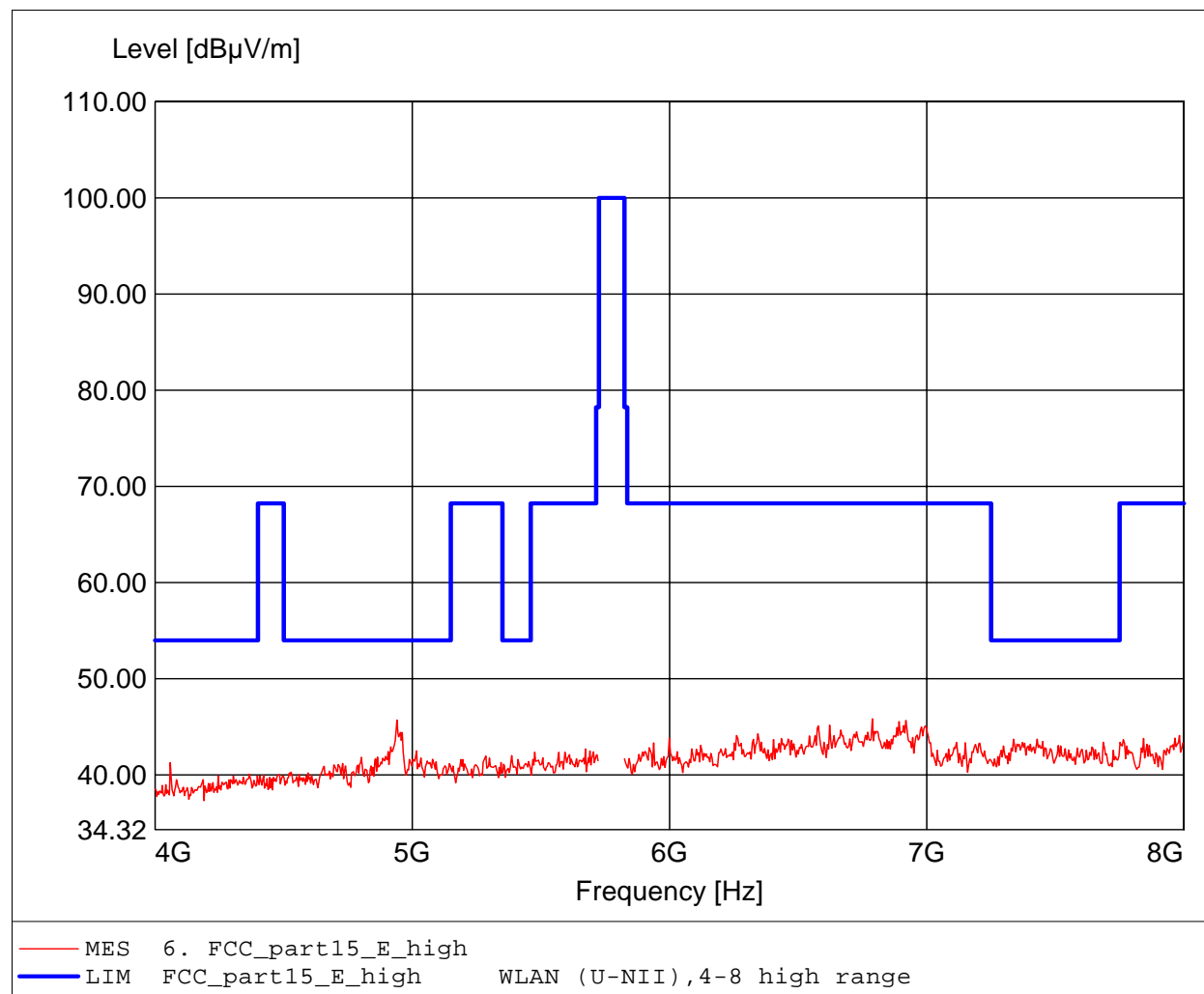
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.940GHz, Emax: 46.80dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

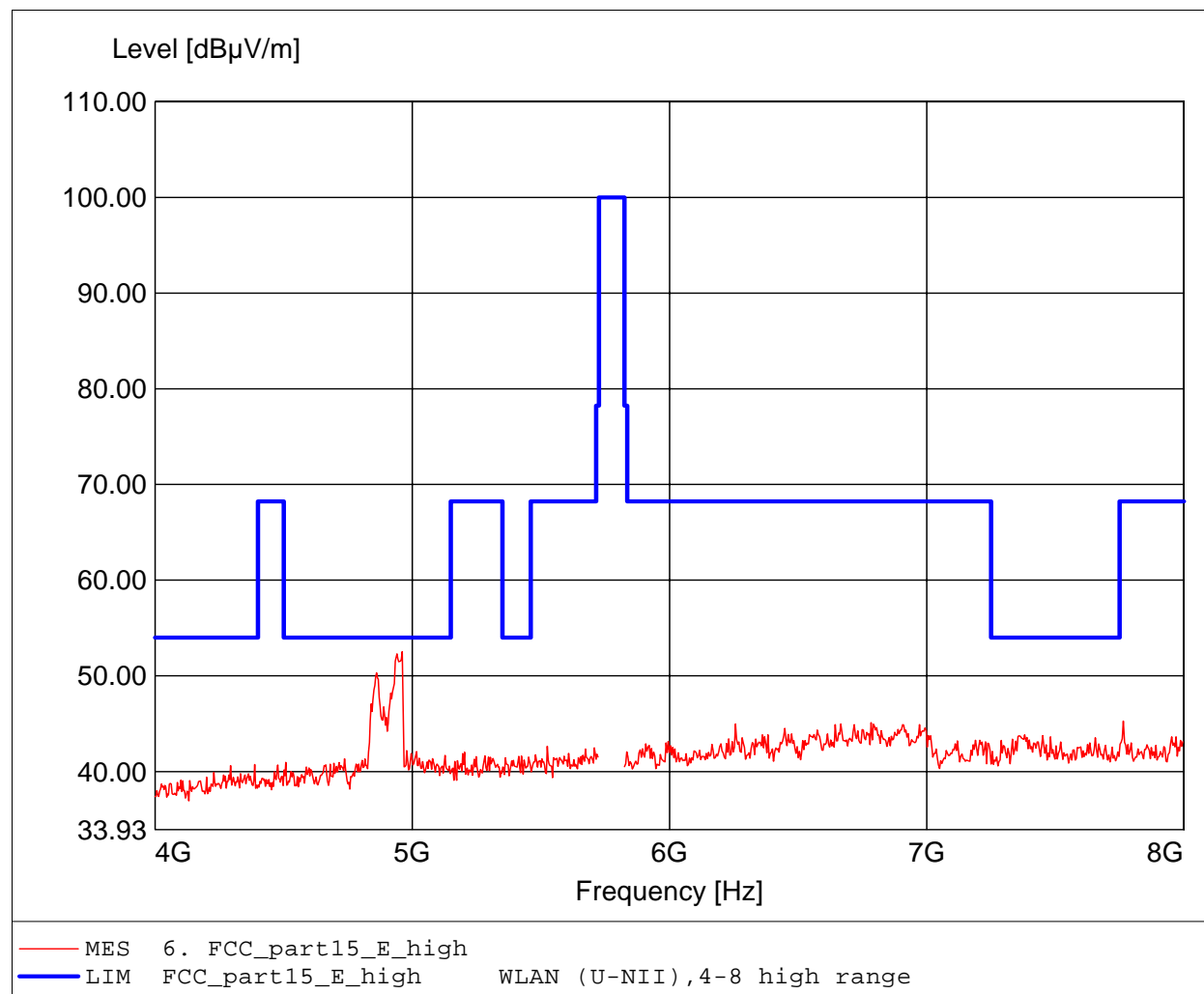
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.788GHz, Emax: 45.85dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

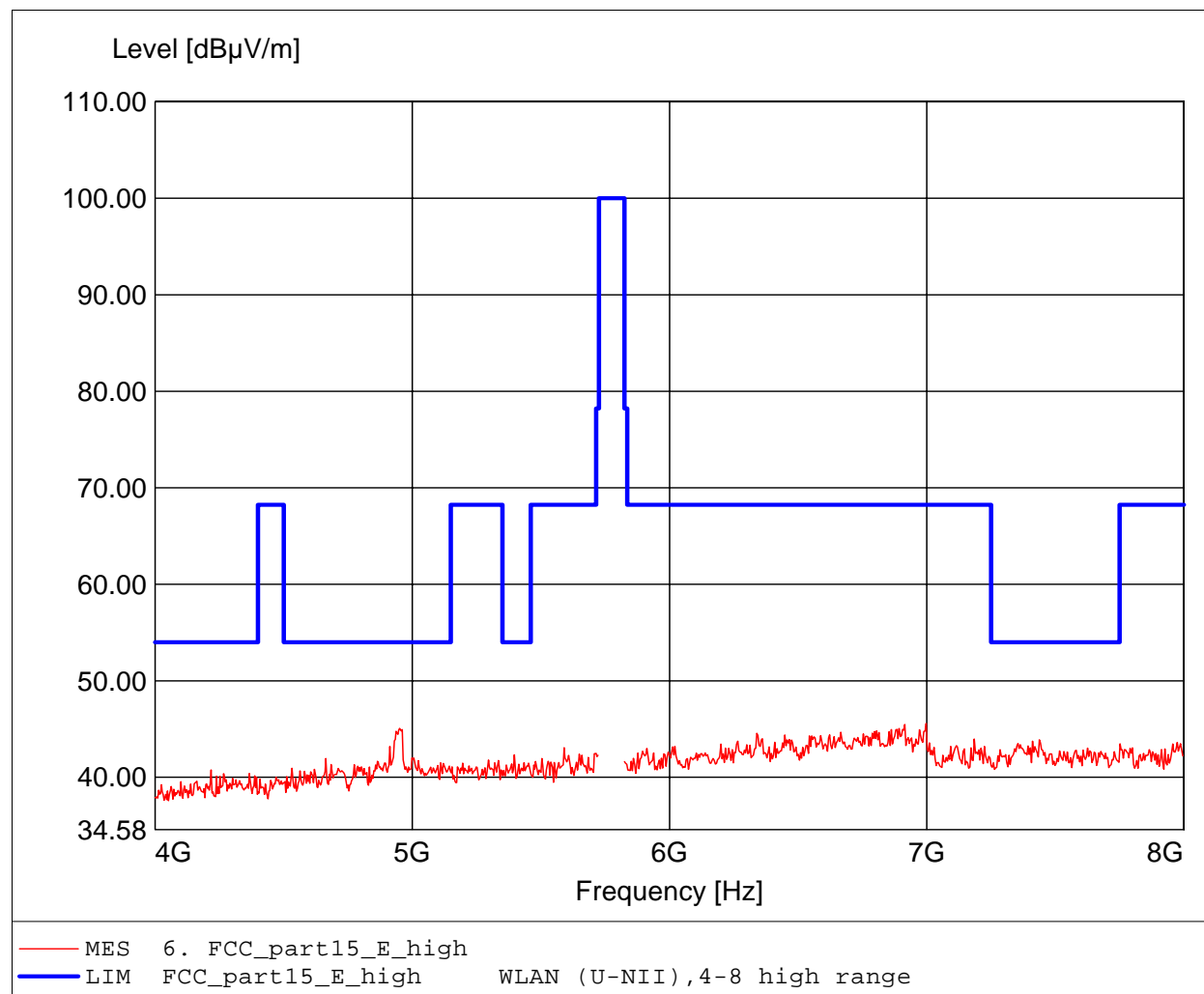
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.961GHz, Emax: 52.52dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

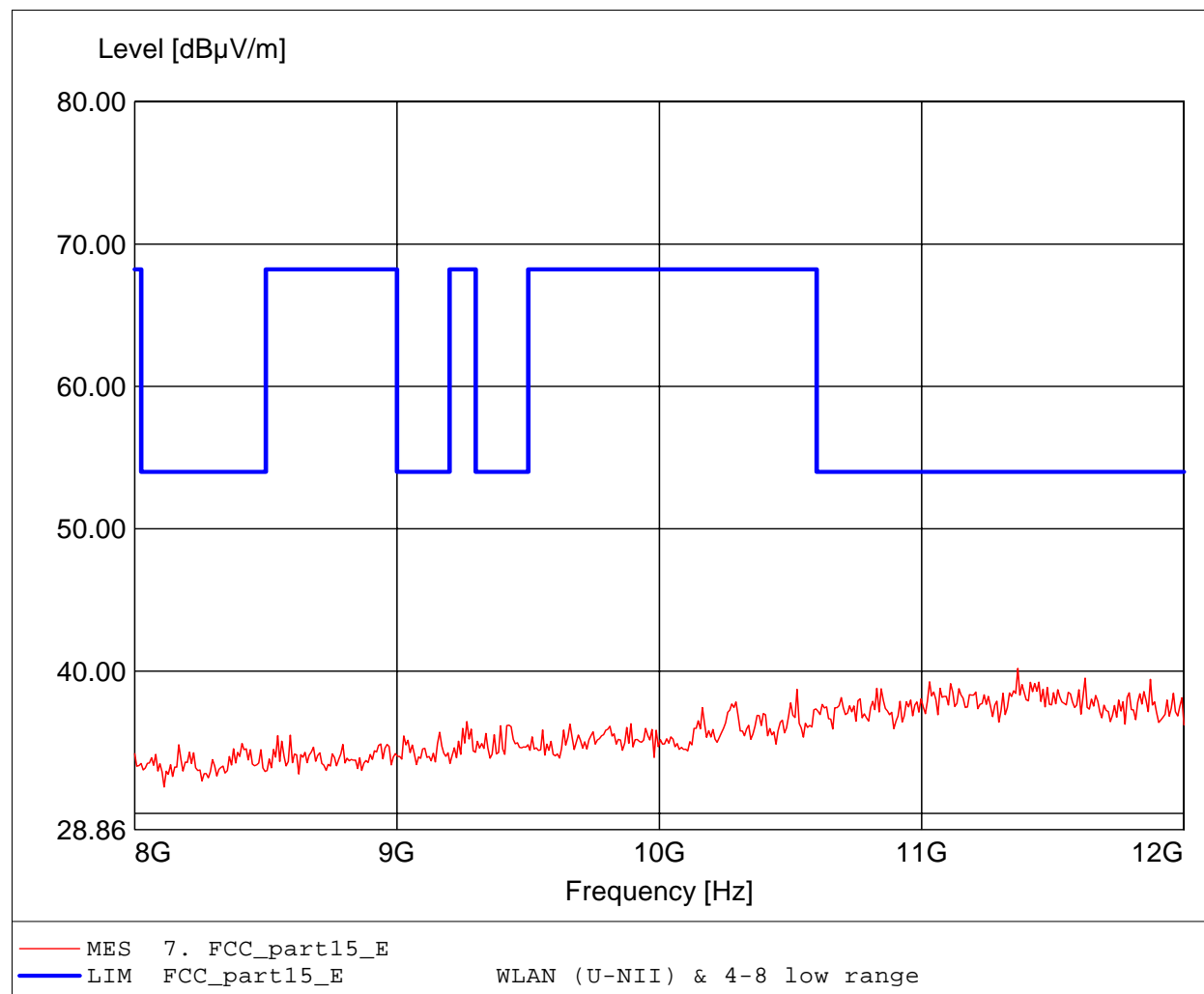
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 6.997GHz, Emax: 45.59dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

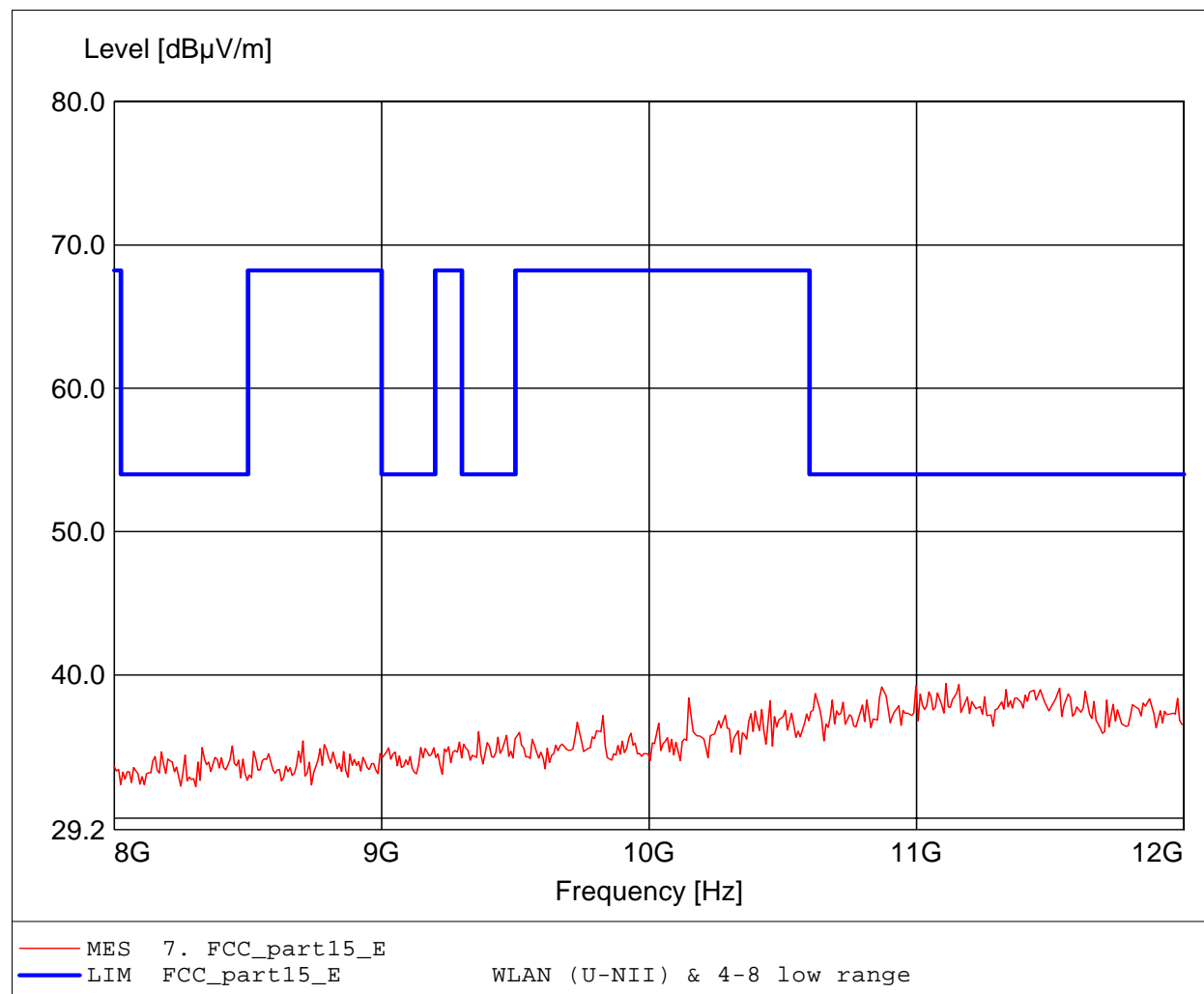
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.367GHz, Emax: 40.18dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

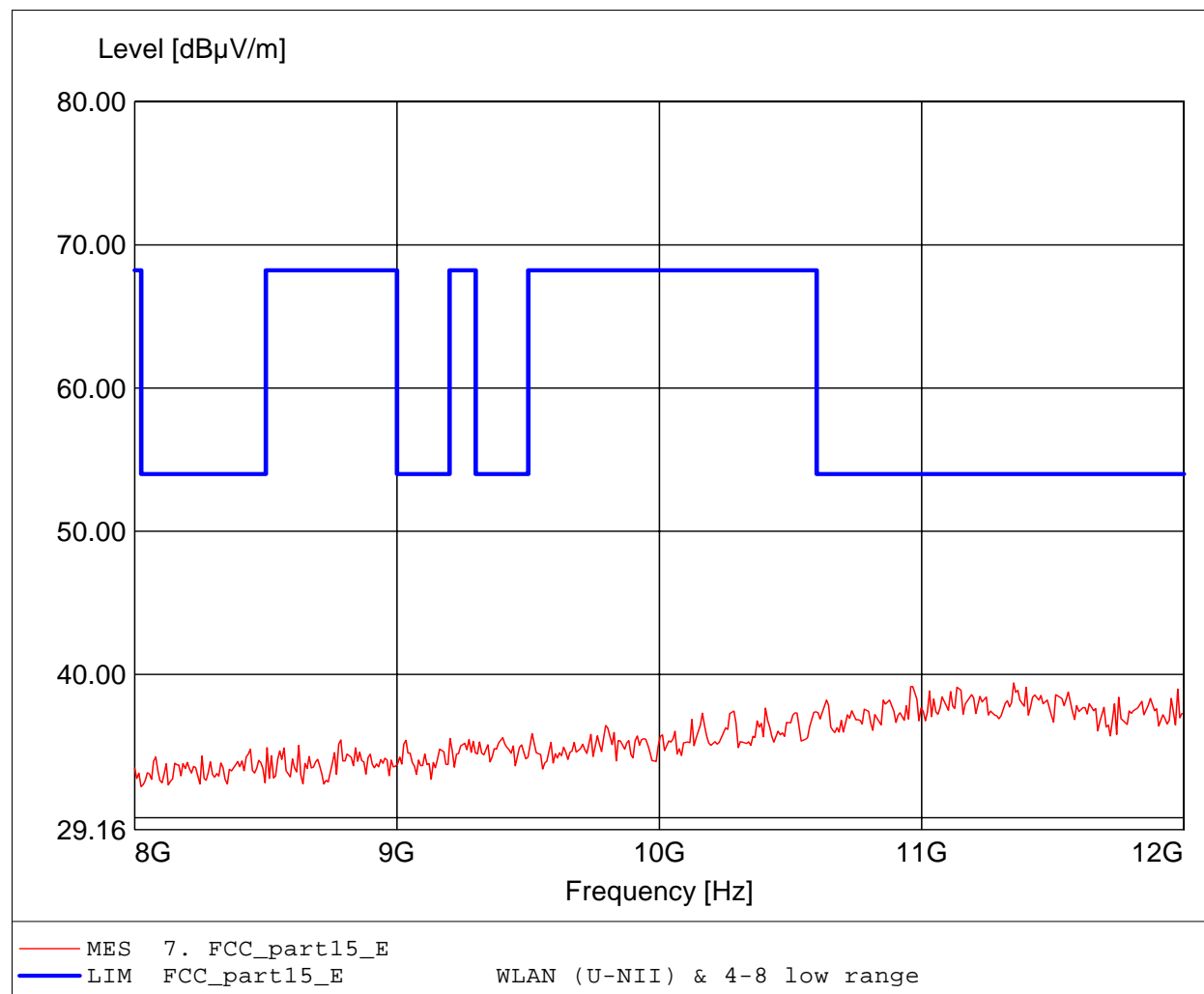
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.110GHz, Emax: 39.40dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

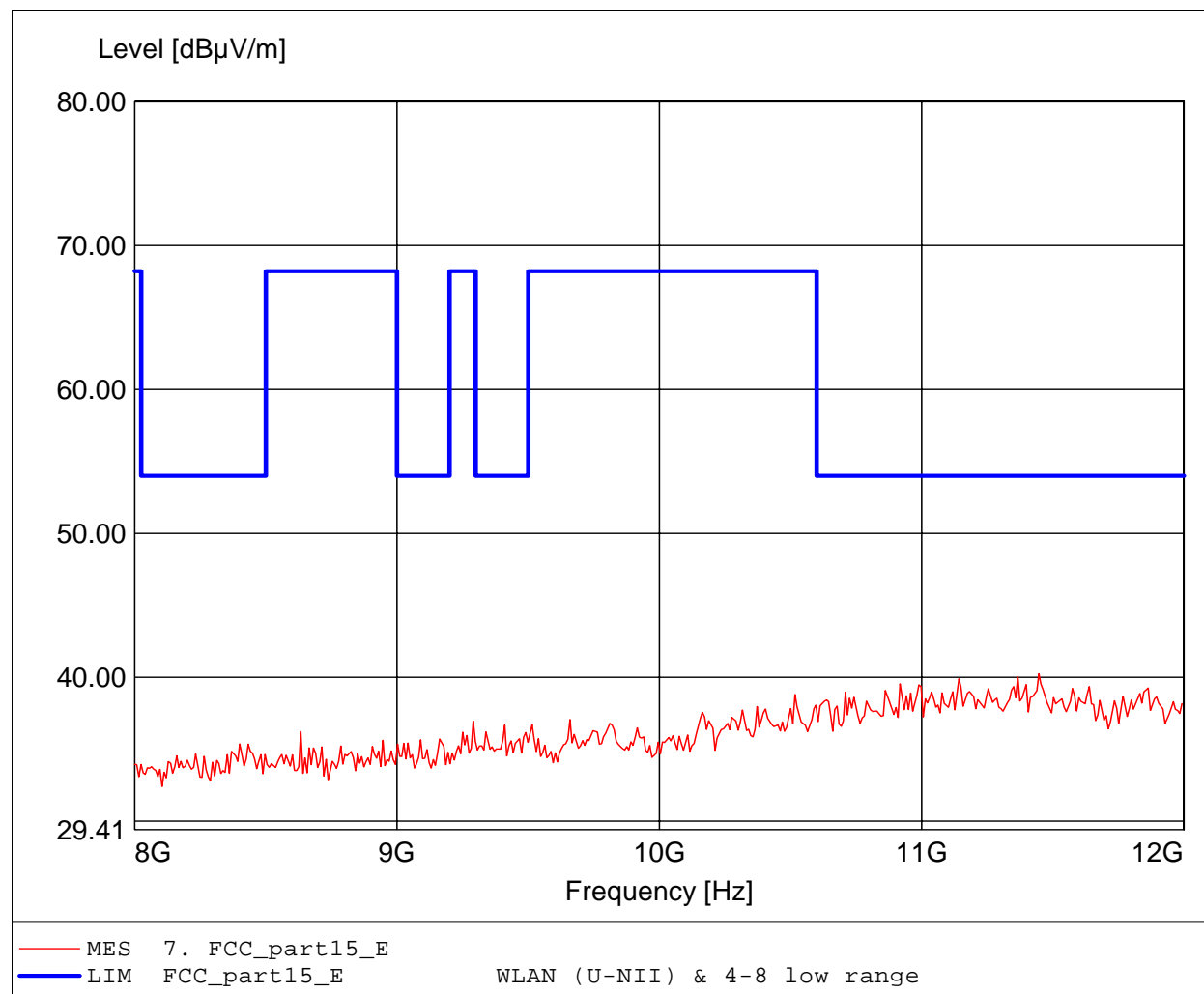
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.351GHz, Emax: 39.41dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

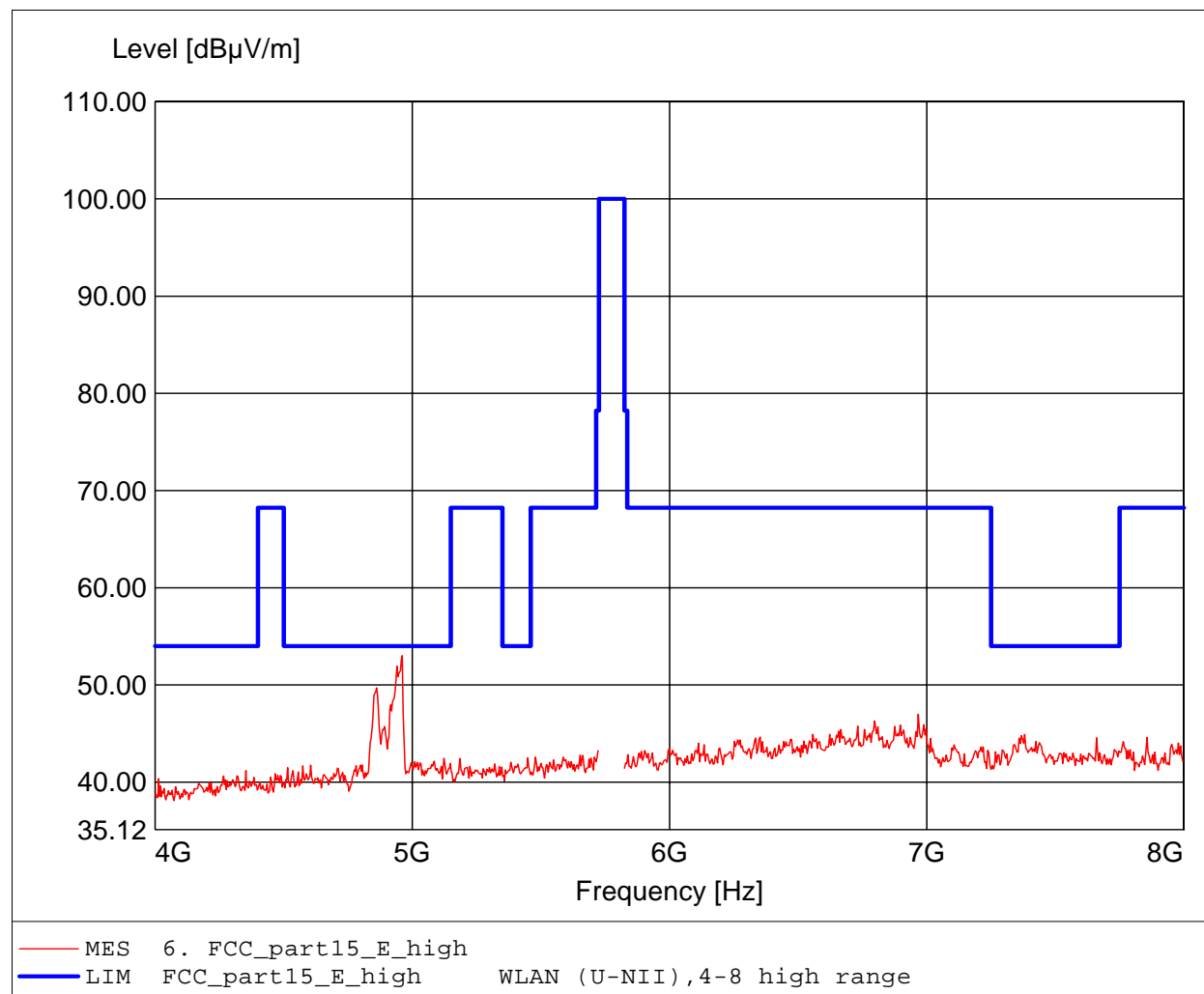
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5700 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.447GHz, Emax: 40.25dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

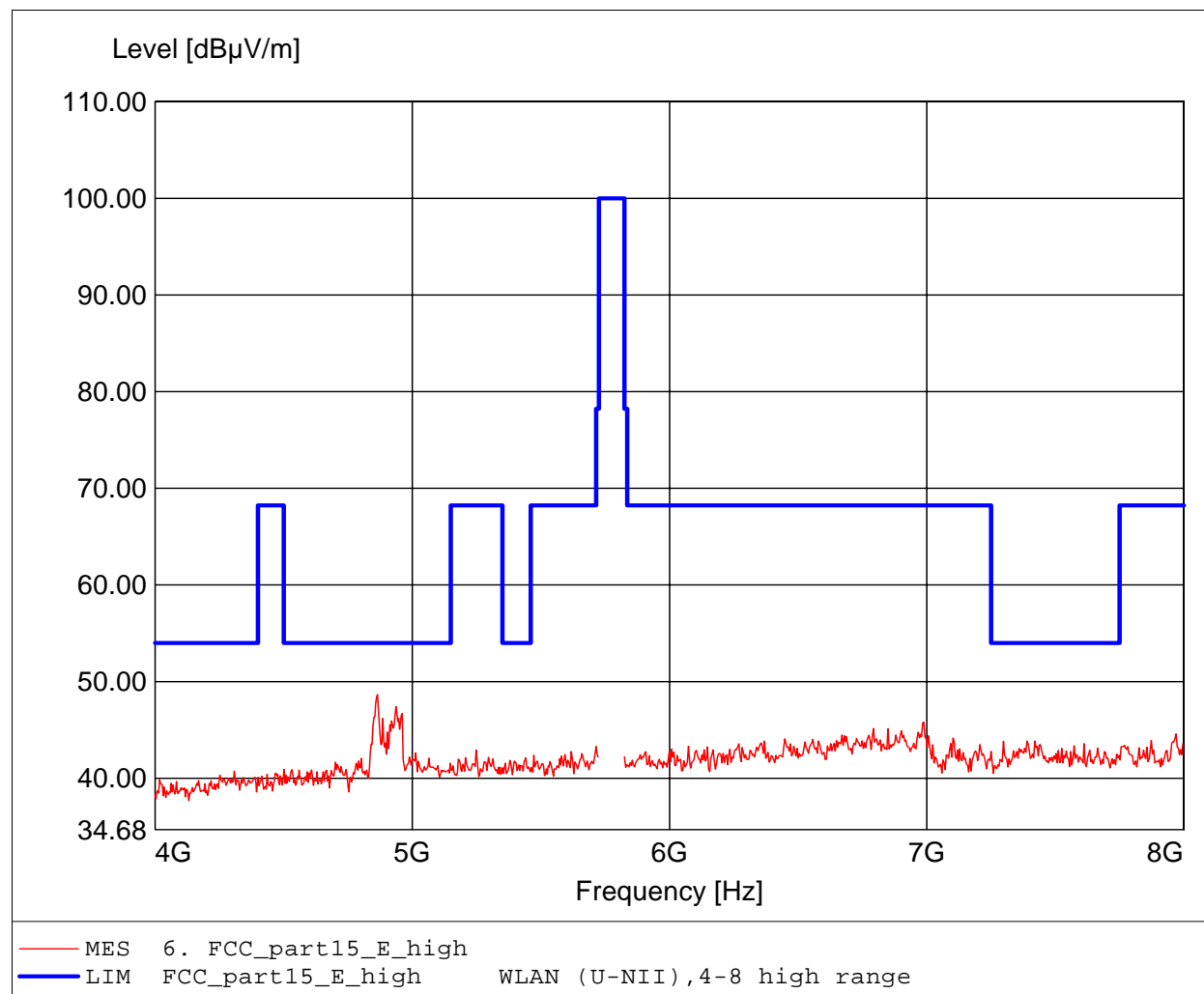
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.961GHz, Emax: 53.02dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

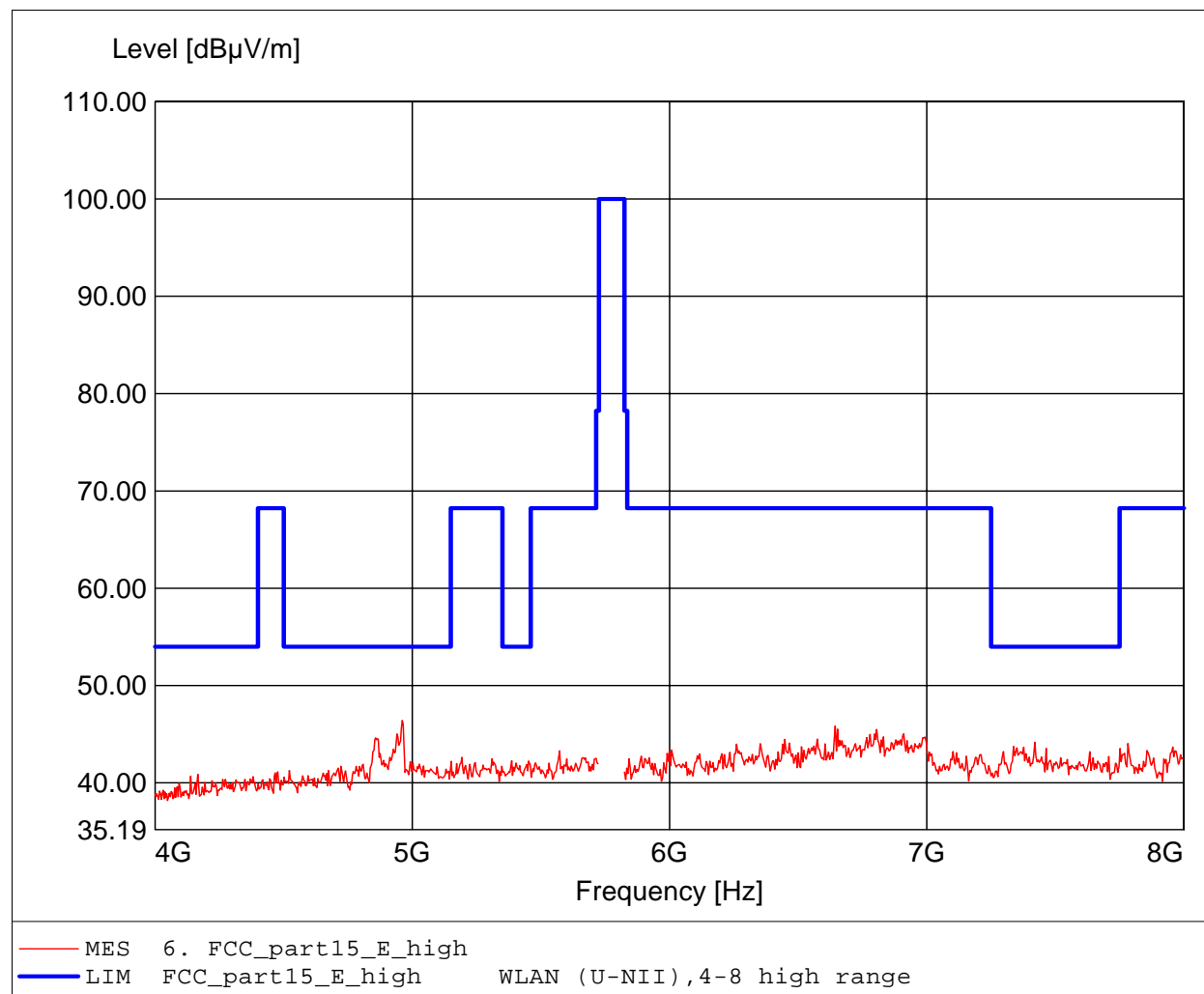
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.864GHz, Emax: 48.65dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

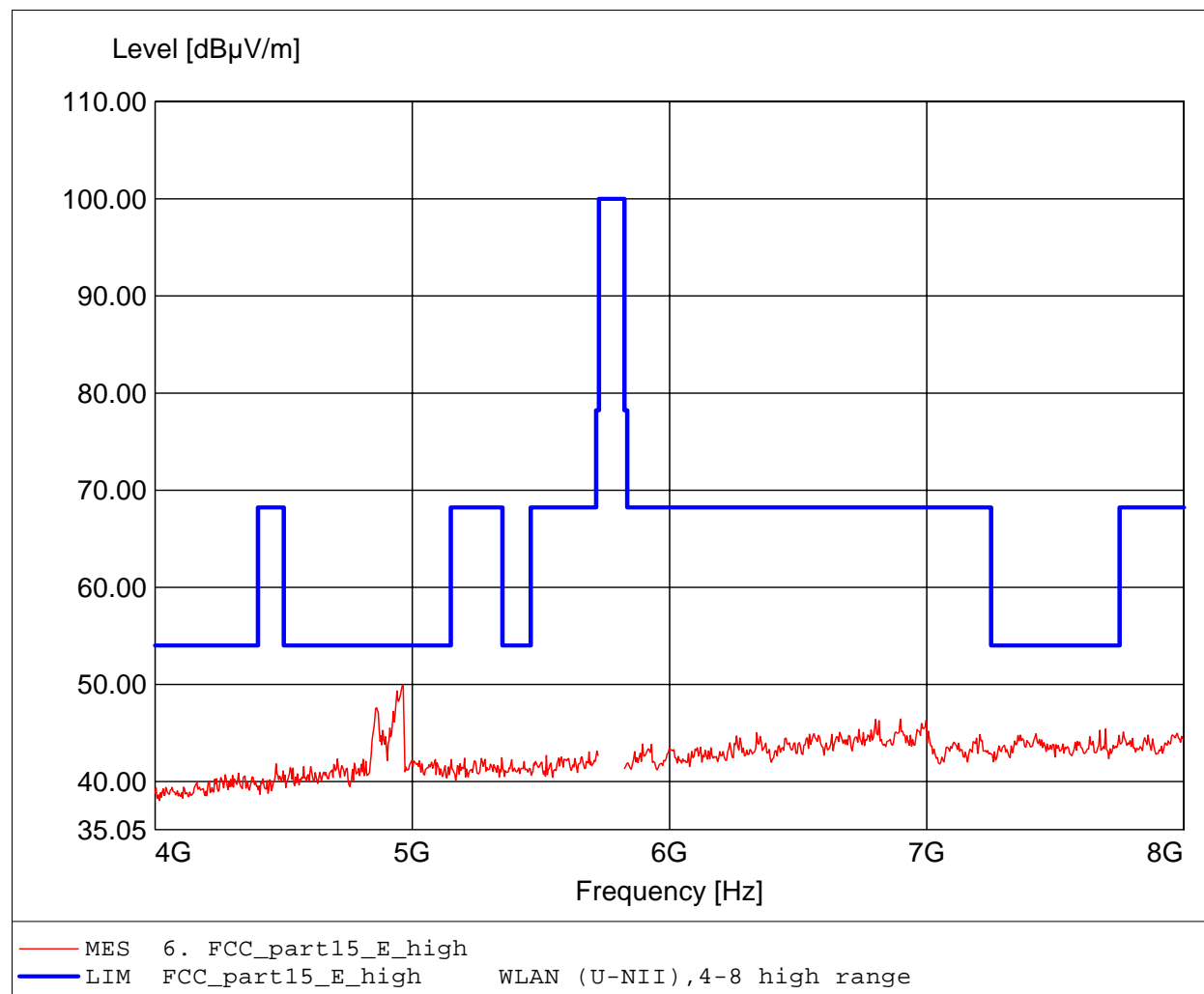
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.961GHz, Emax: 46.41dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

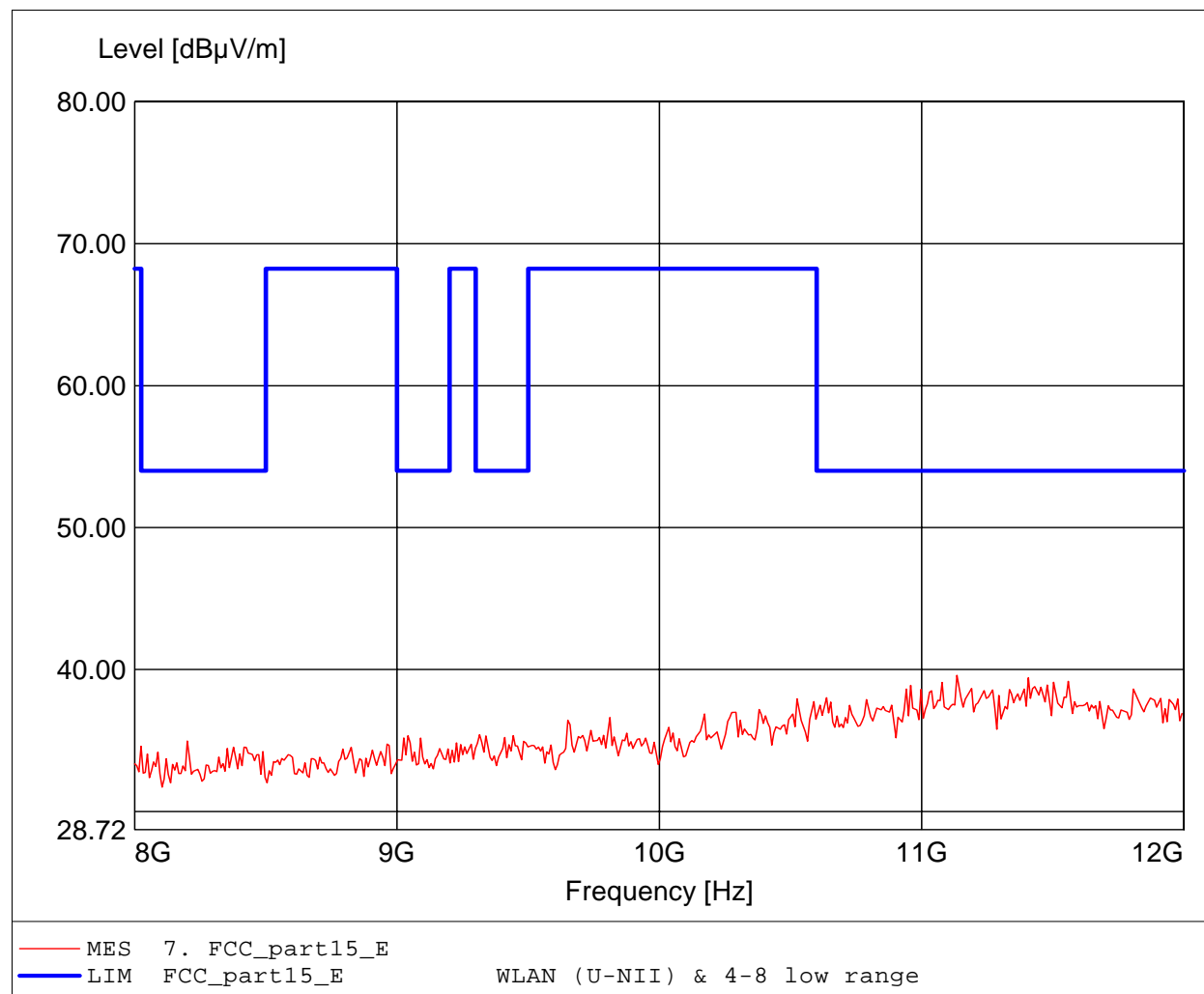
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.964GHz, Emax: 49.96dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

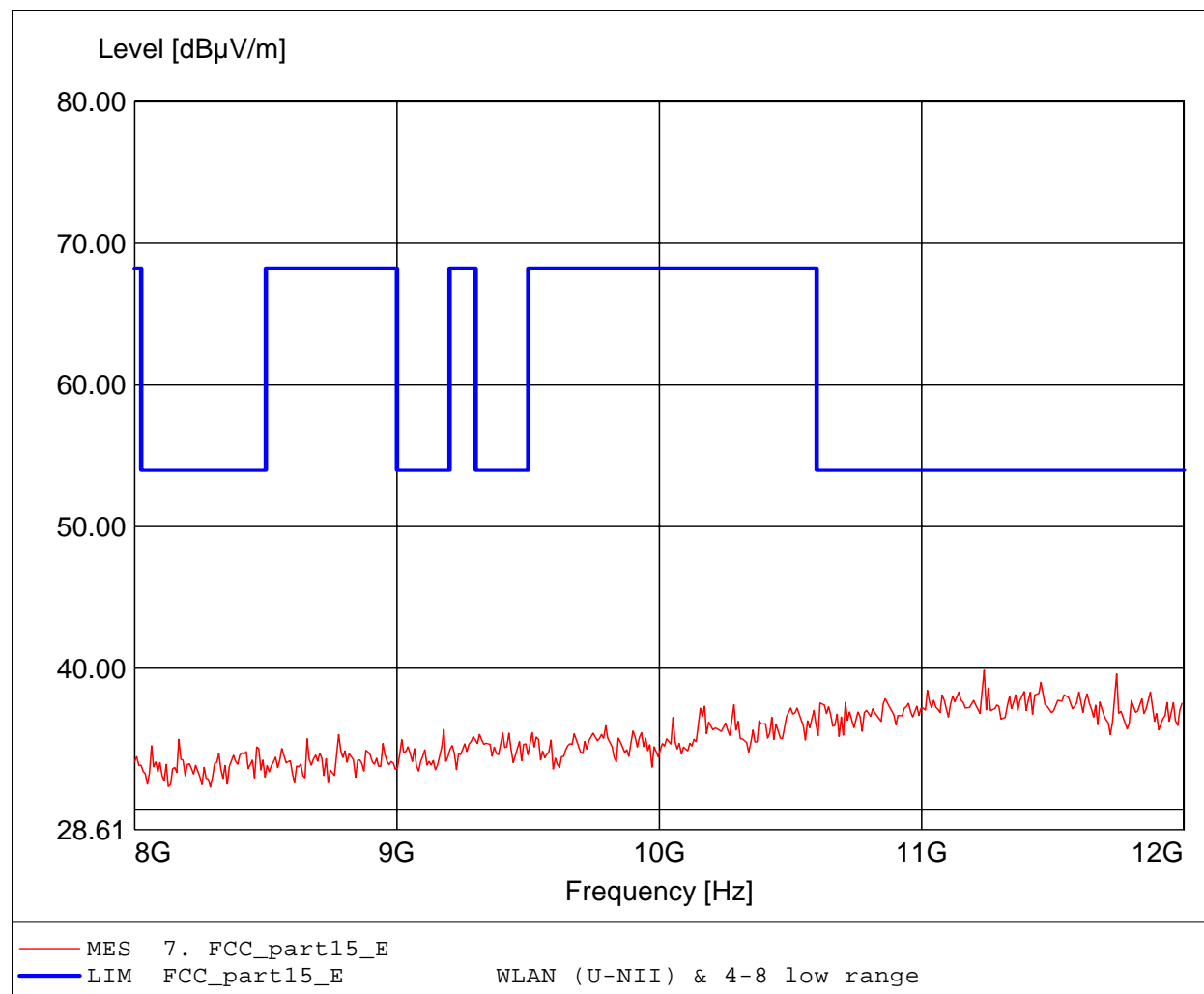
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.134GHz, Emax: 39.60dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

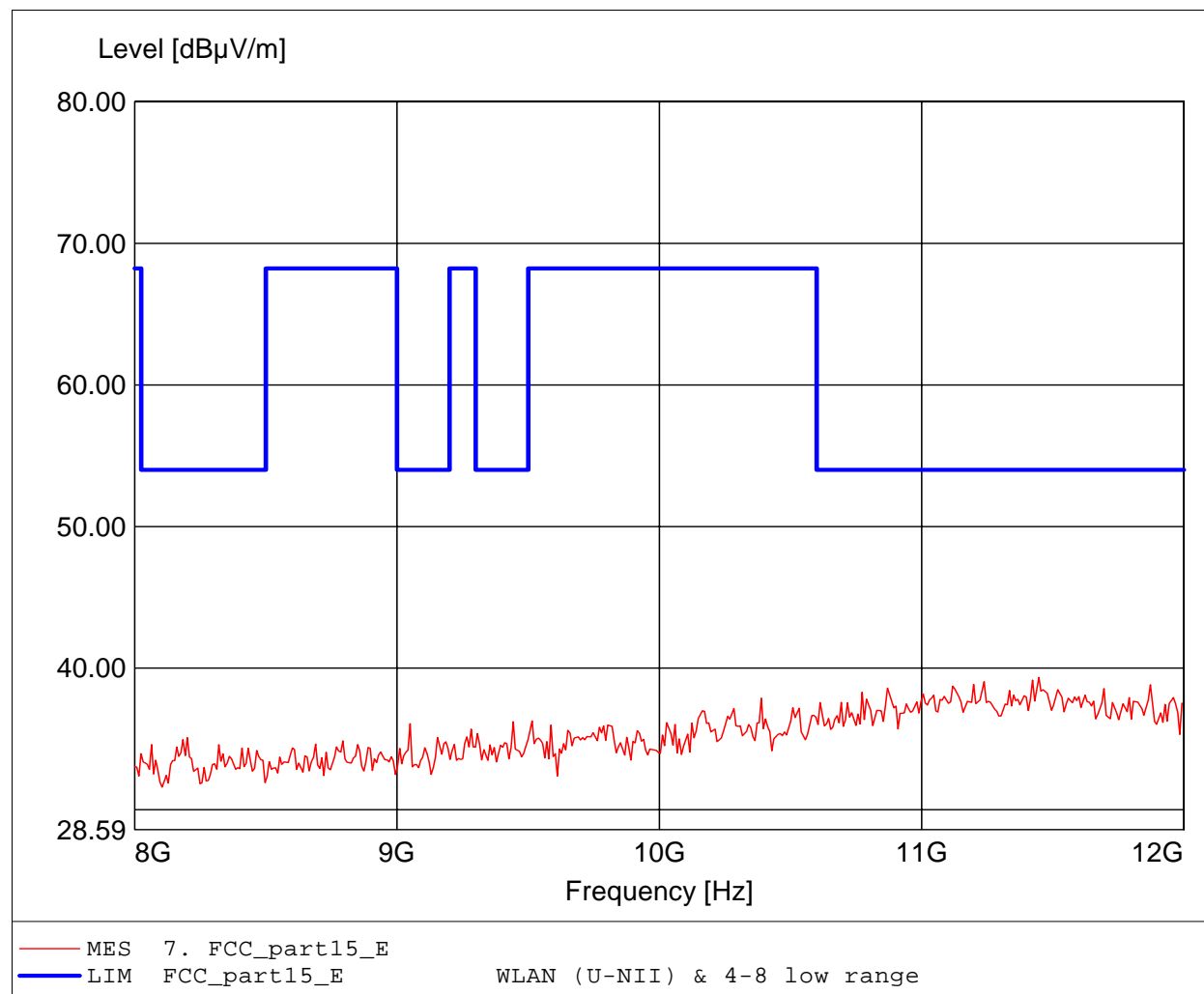
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:1 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.238GHz, Emax: 39.87dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

FCC RULES PART 15, SUBPART E

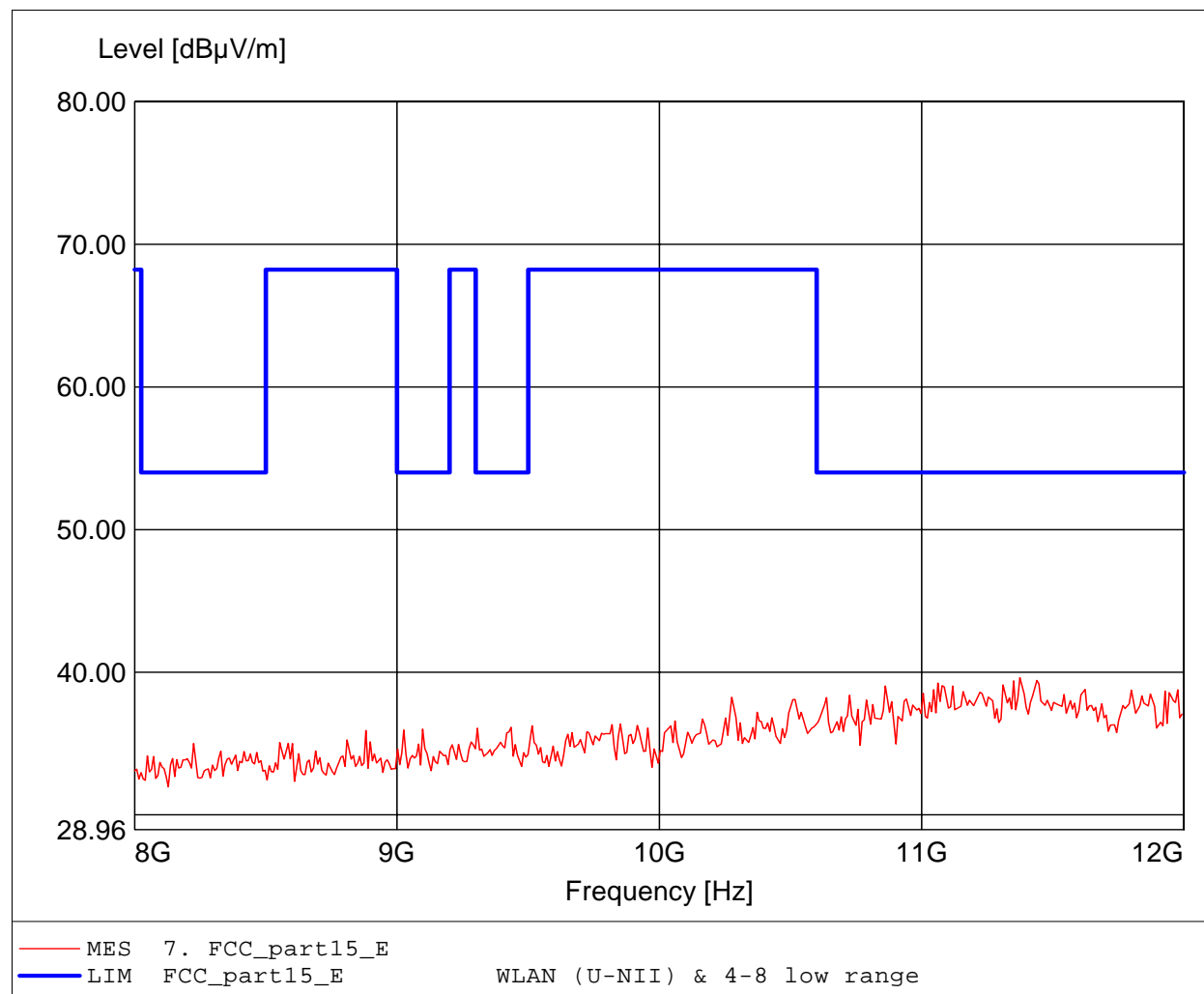
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.447GHz, Emax: 39.33dBuV/m, RBW: 1MHz



Spurious emissions Field Strength

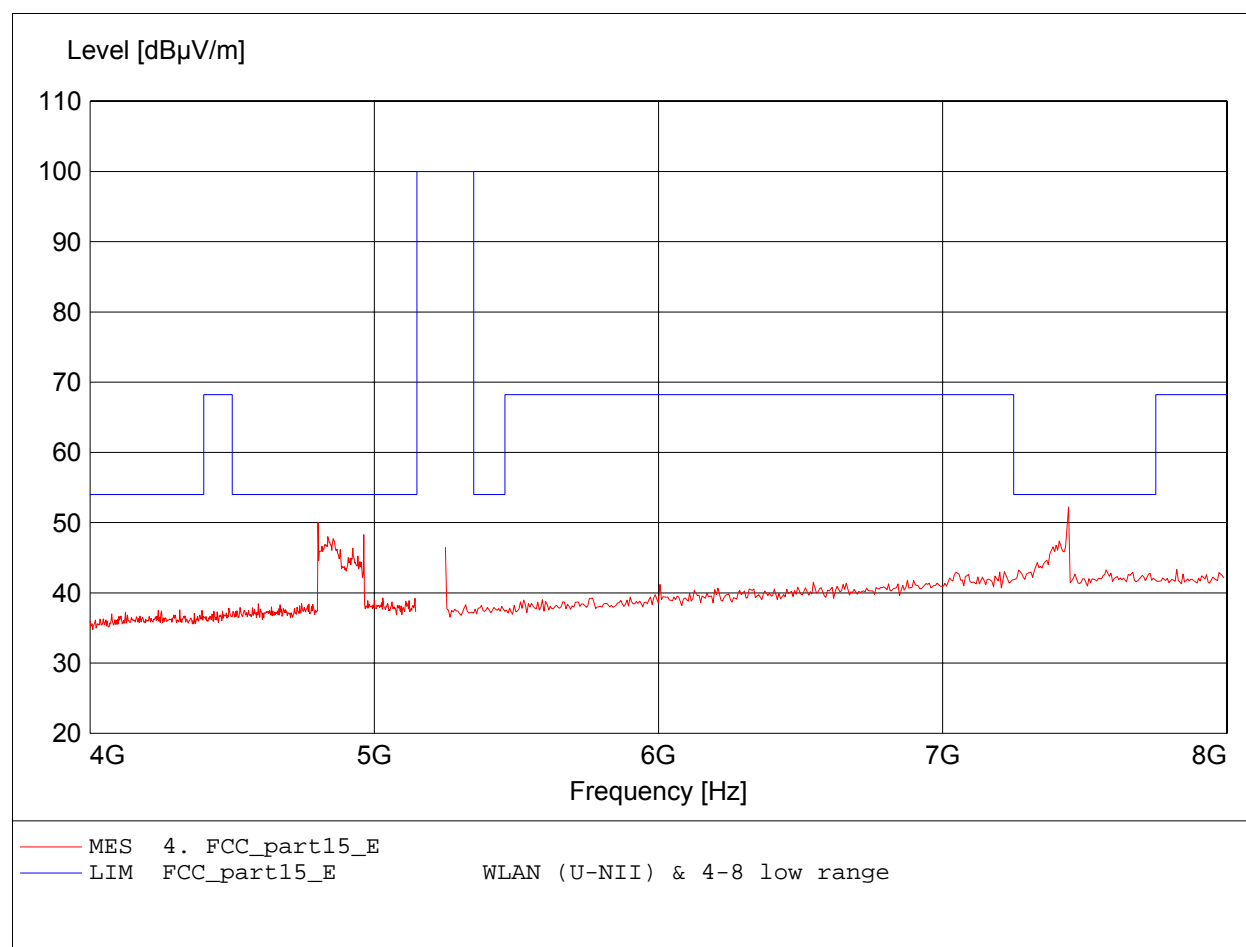
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / Ant.:2 / 802.11a / 5805 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.375GHz, Emax: 39.62dBuV/m, RBW: 1MHz



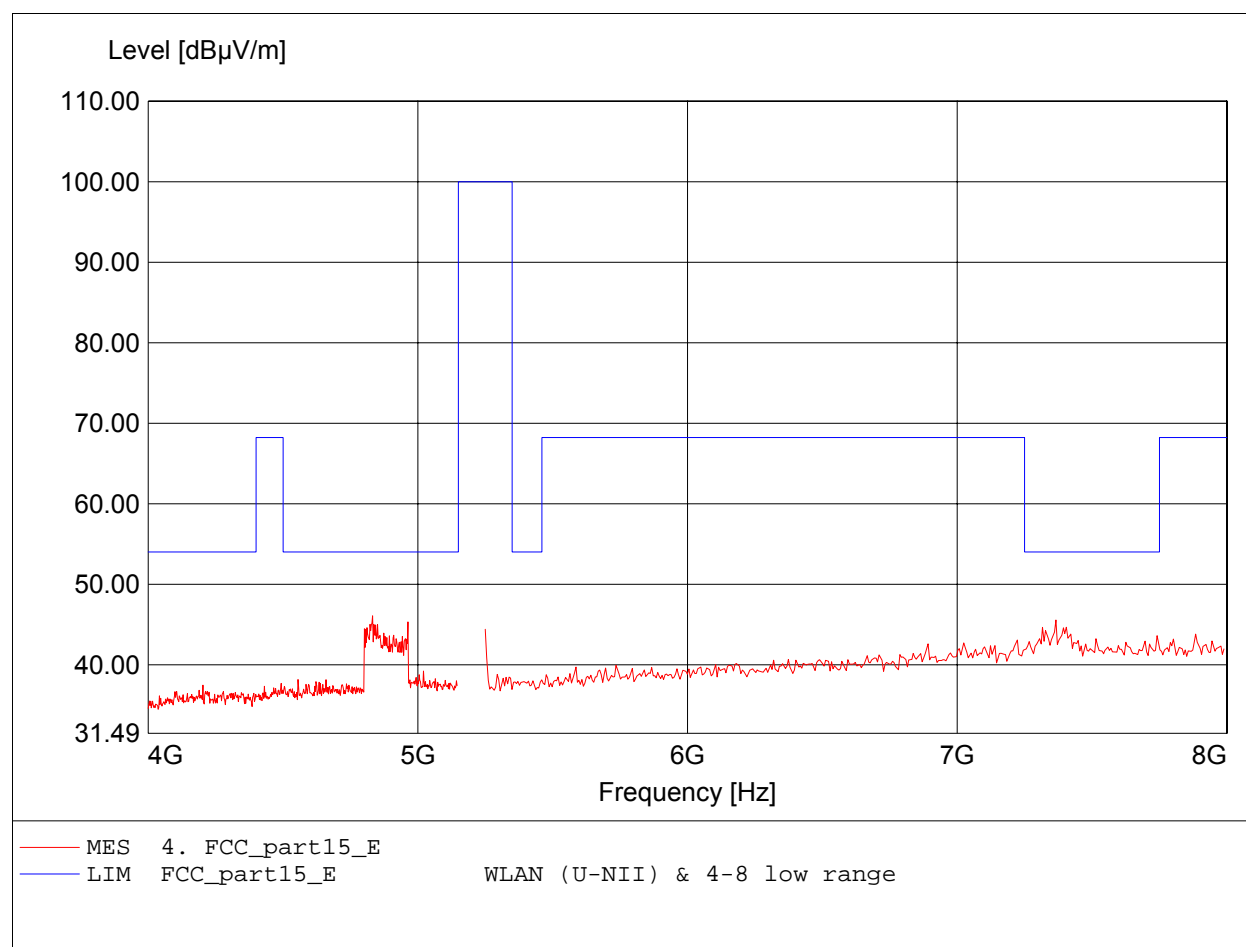
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.443GHz, Emax: 52.23dBµV/m, RBW: 1MHz



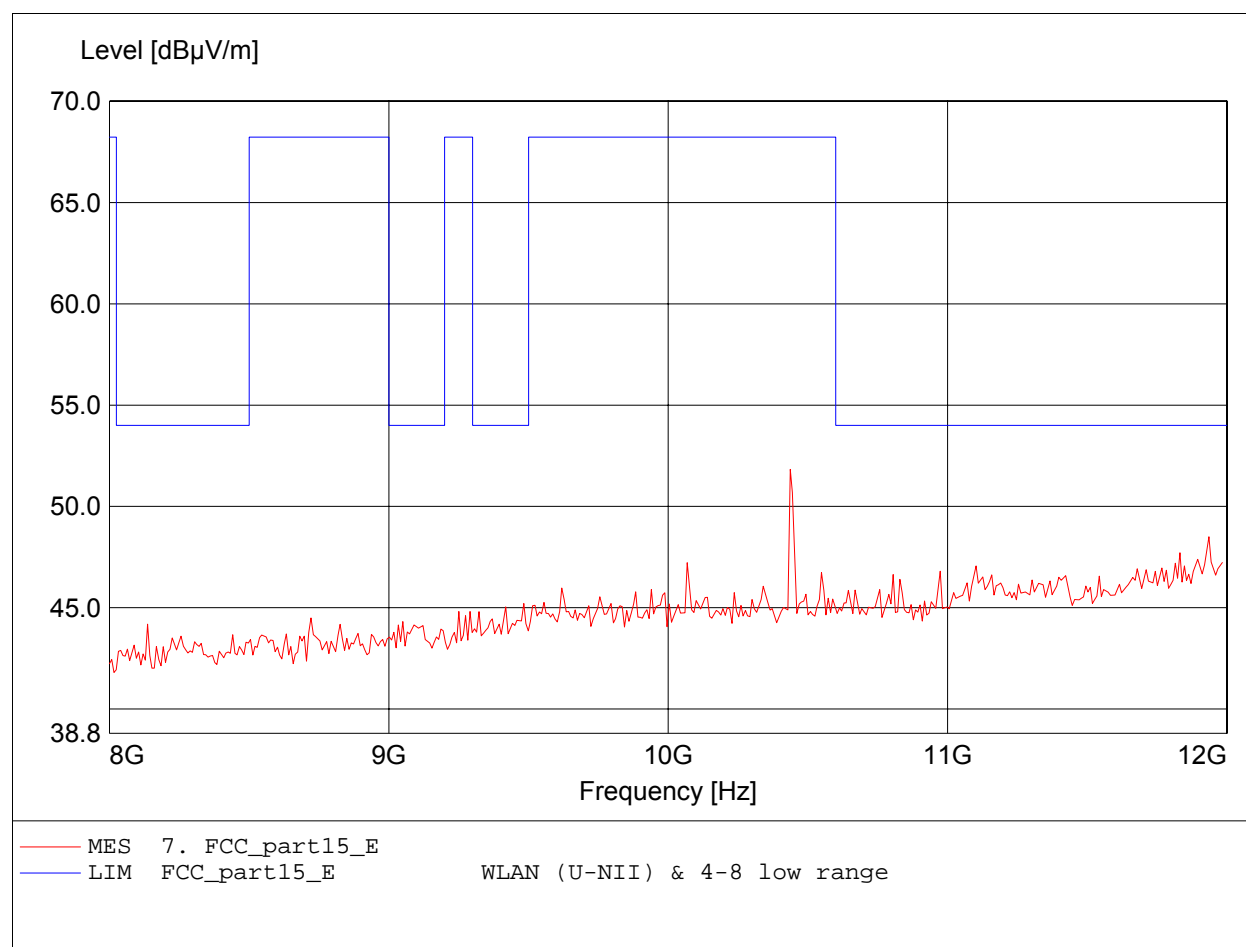
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.832GHz, Emax: 46.07dBµV/m, RBW: 1MHz



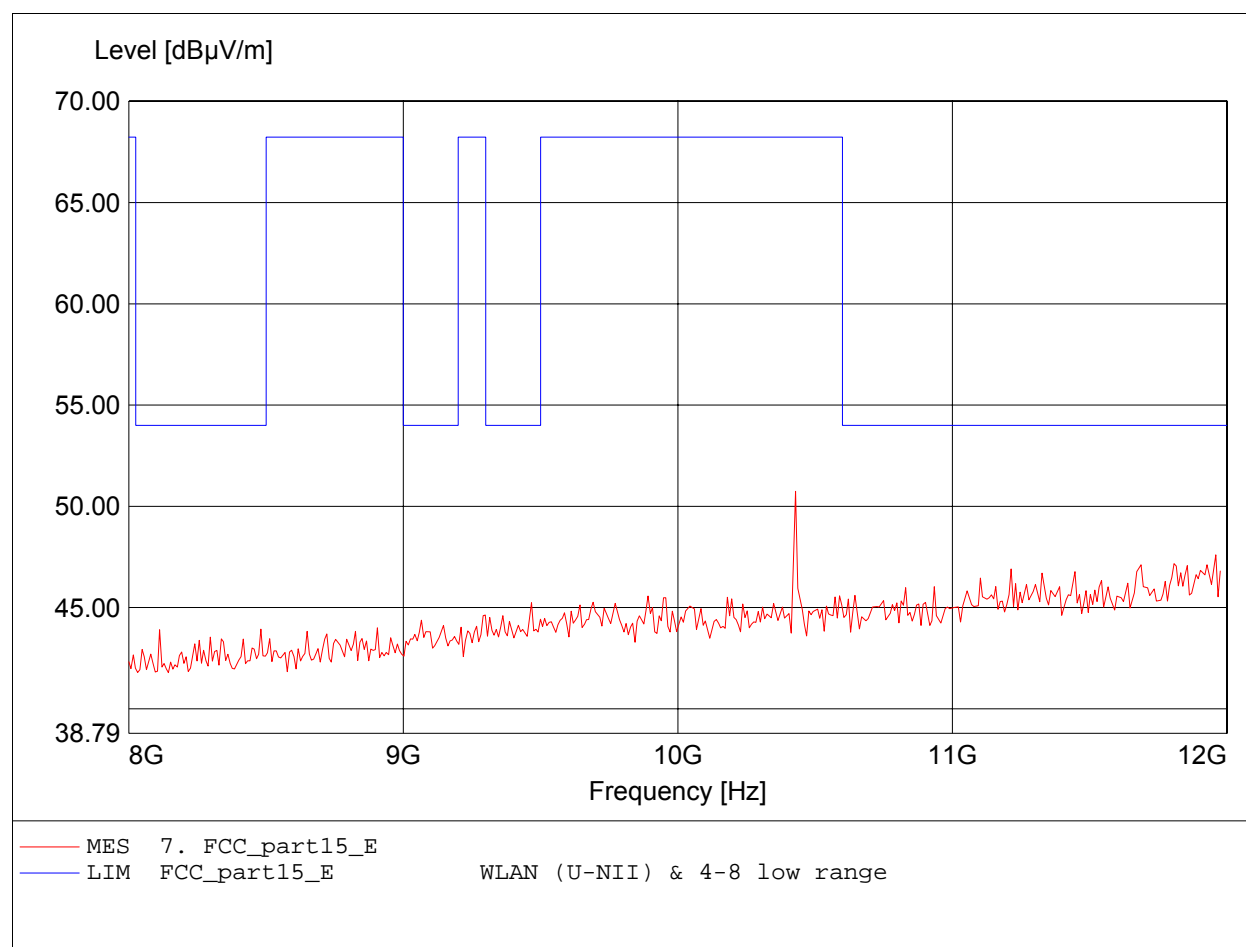
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.437GHz, Emax: 51.83dBµV/m, RBW: 1MHz



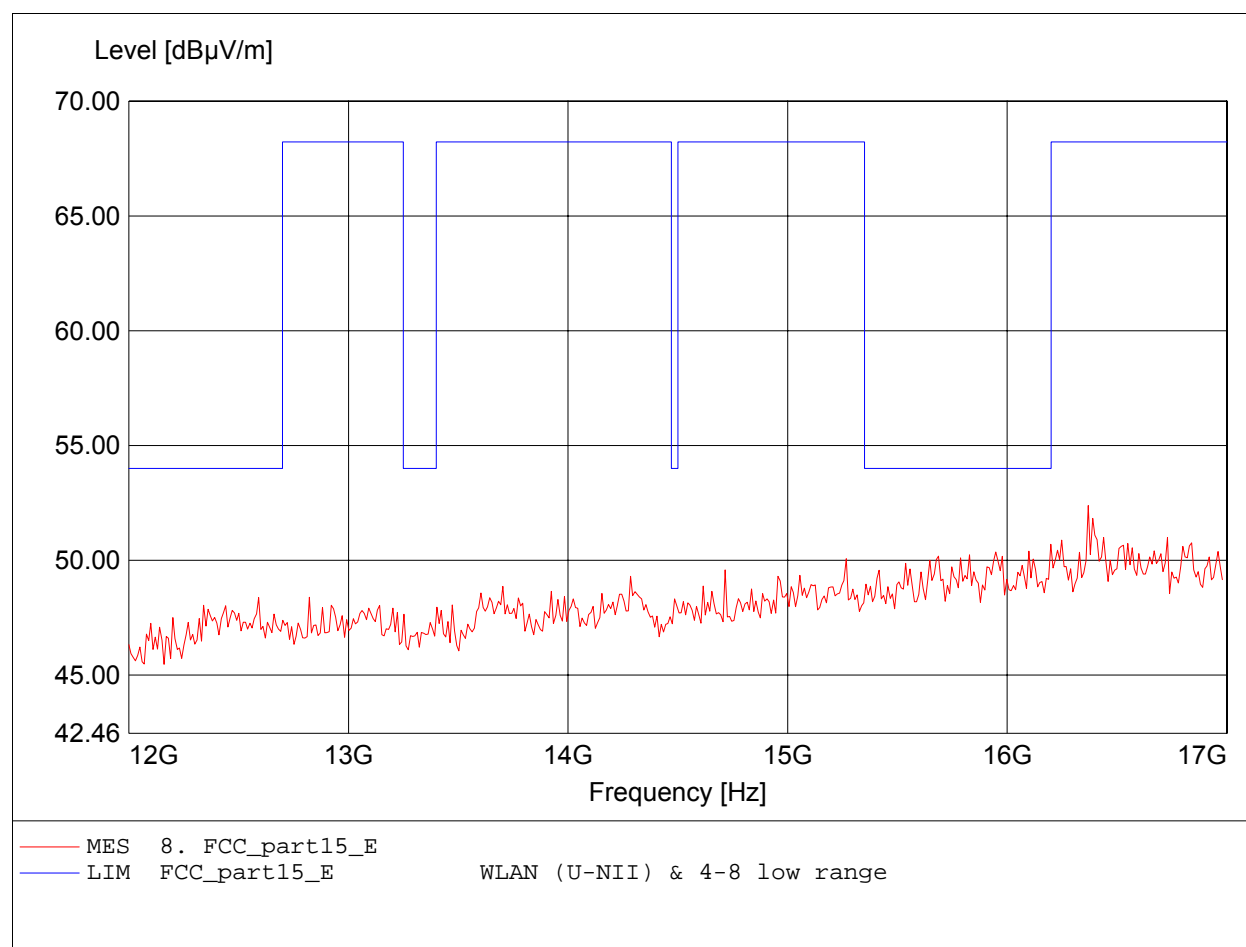
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.429GHz, Emax: 50.74dBµV/m, RBW: 1MHz



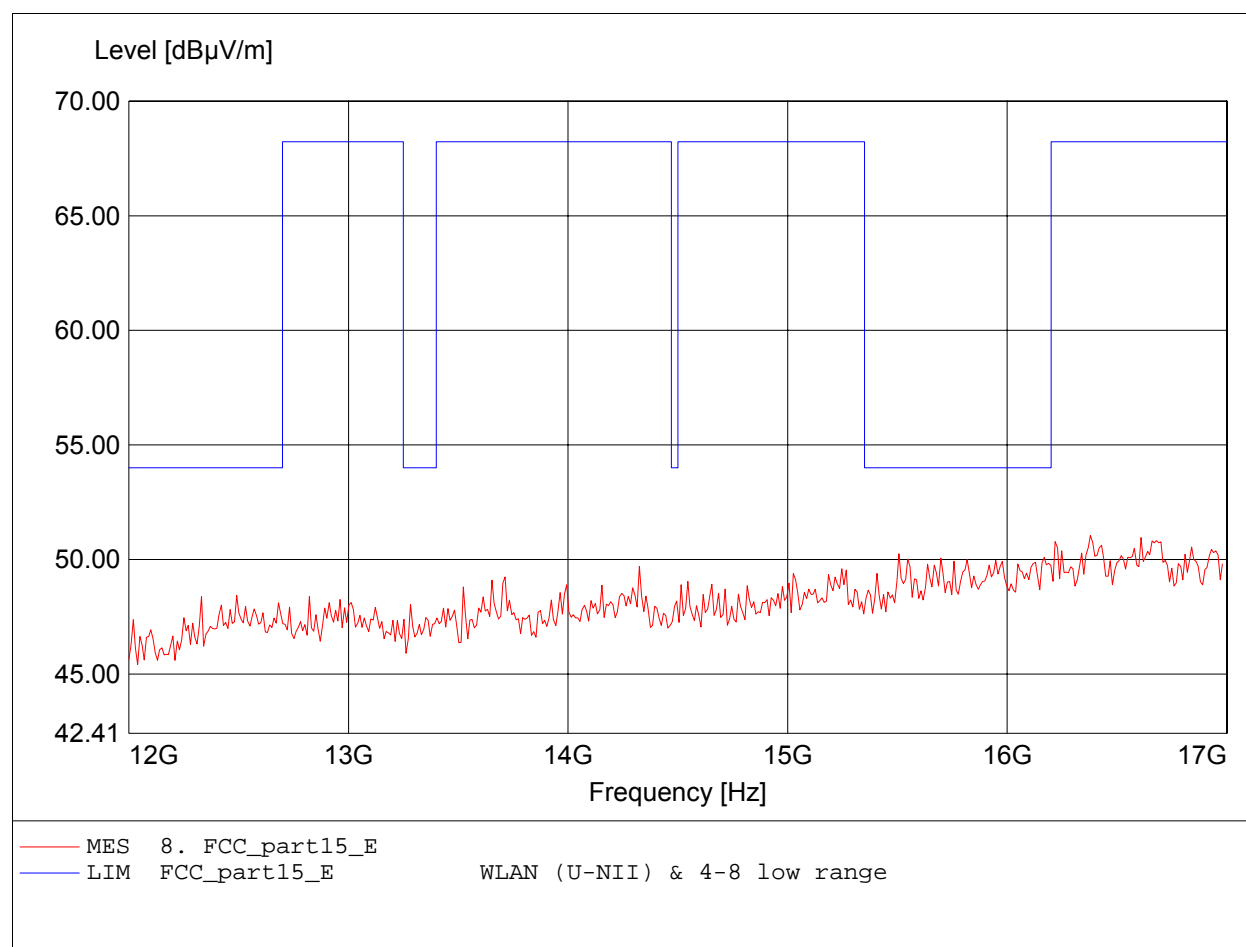
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.369GHz, Emax: 52.39dBµV/m, RBW: 1MHz



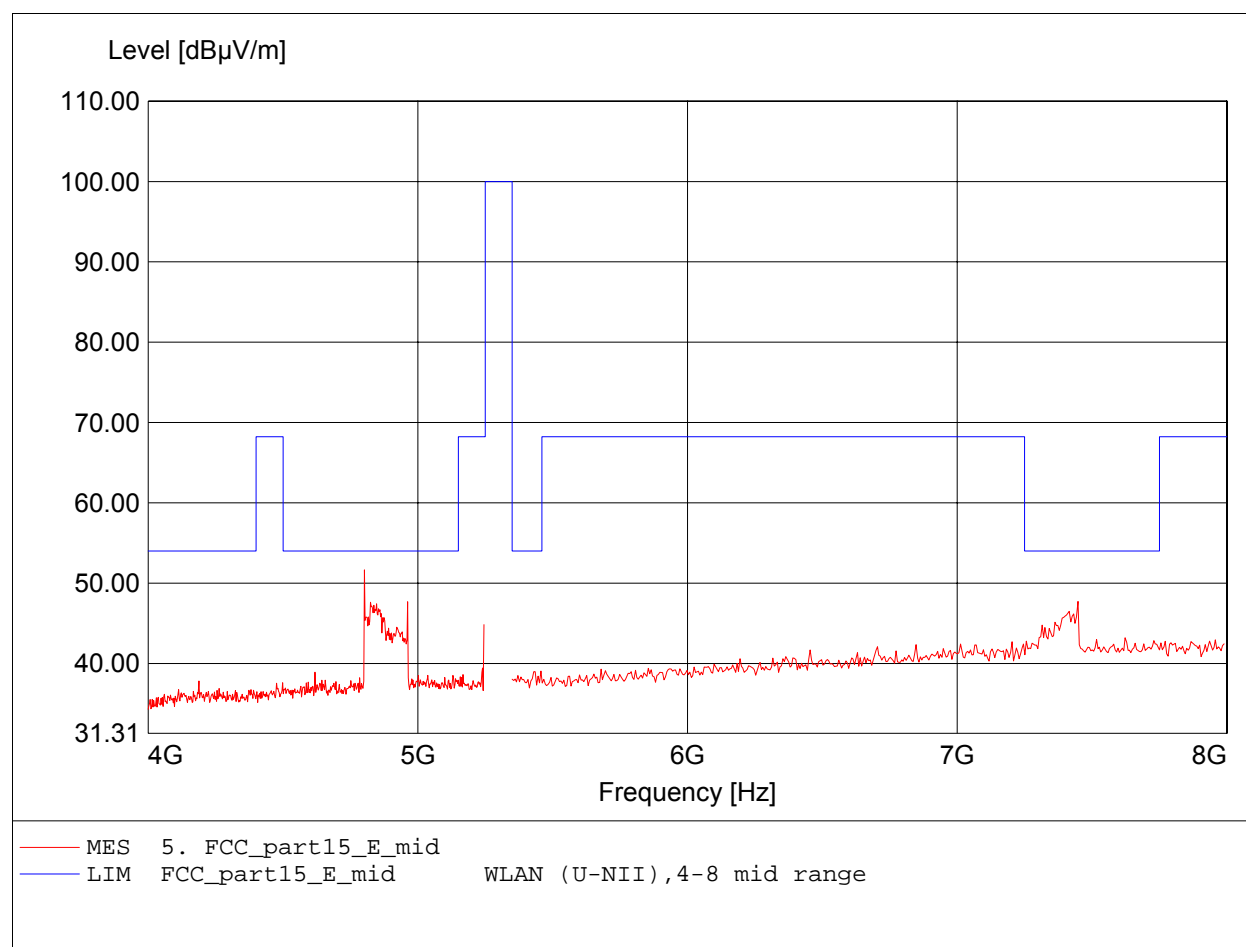
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.379GHz, Emax: 51.04dBµV/m, RBW: 1MHz



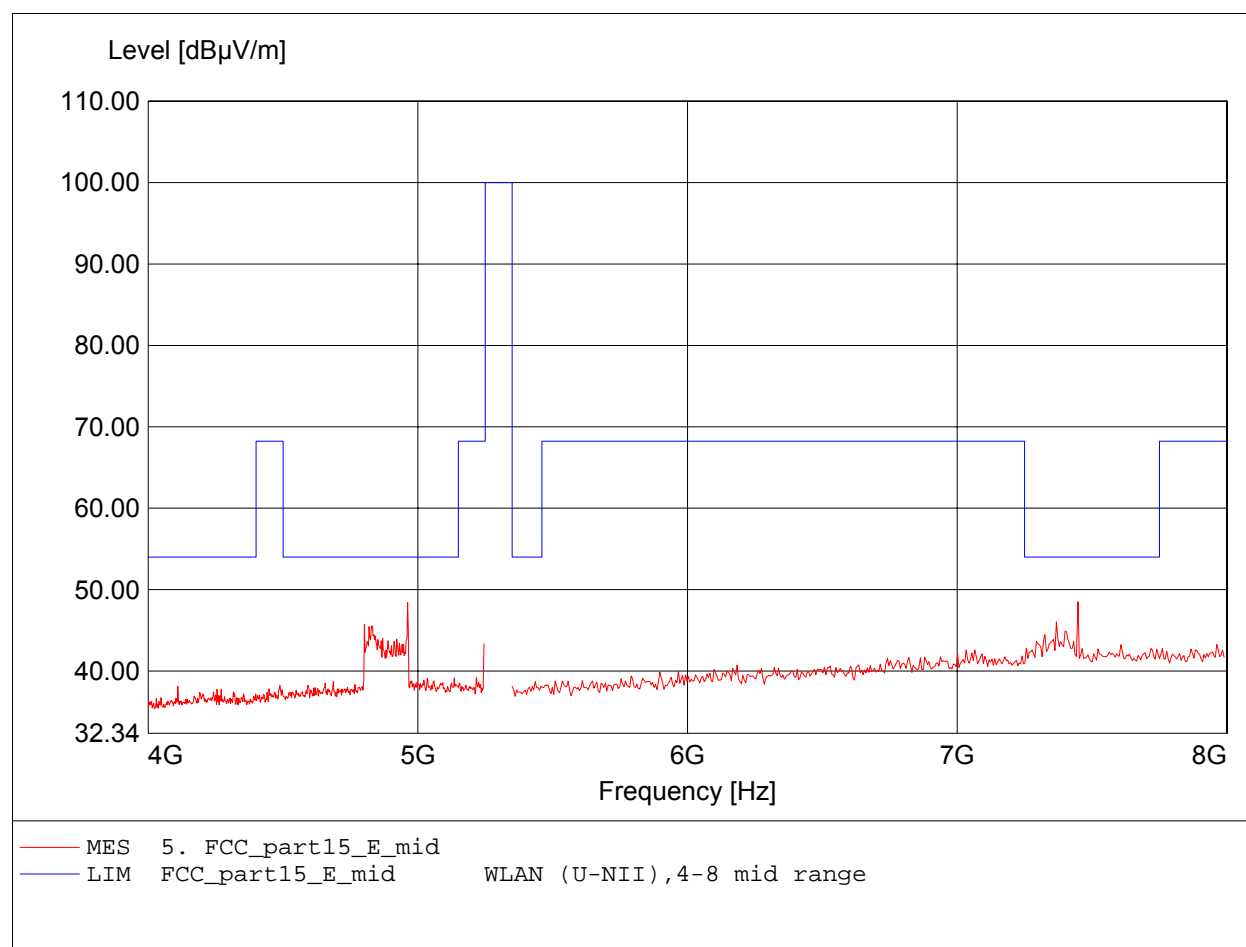
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 51.65dBµV/m, RBW: 1MHz



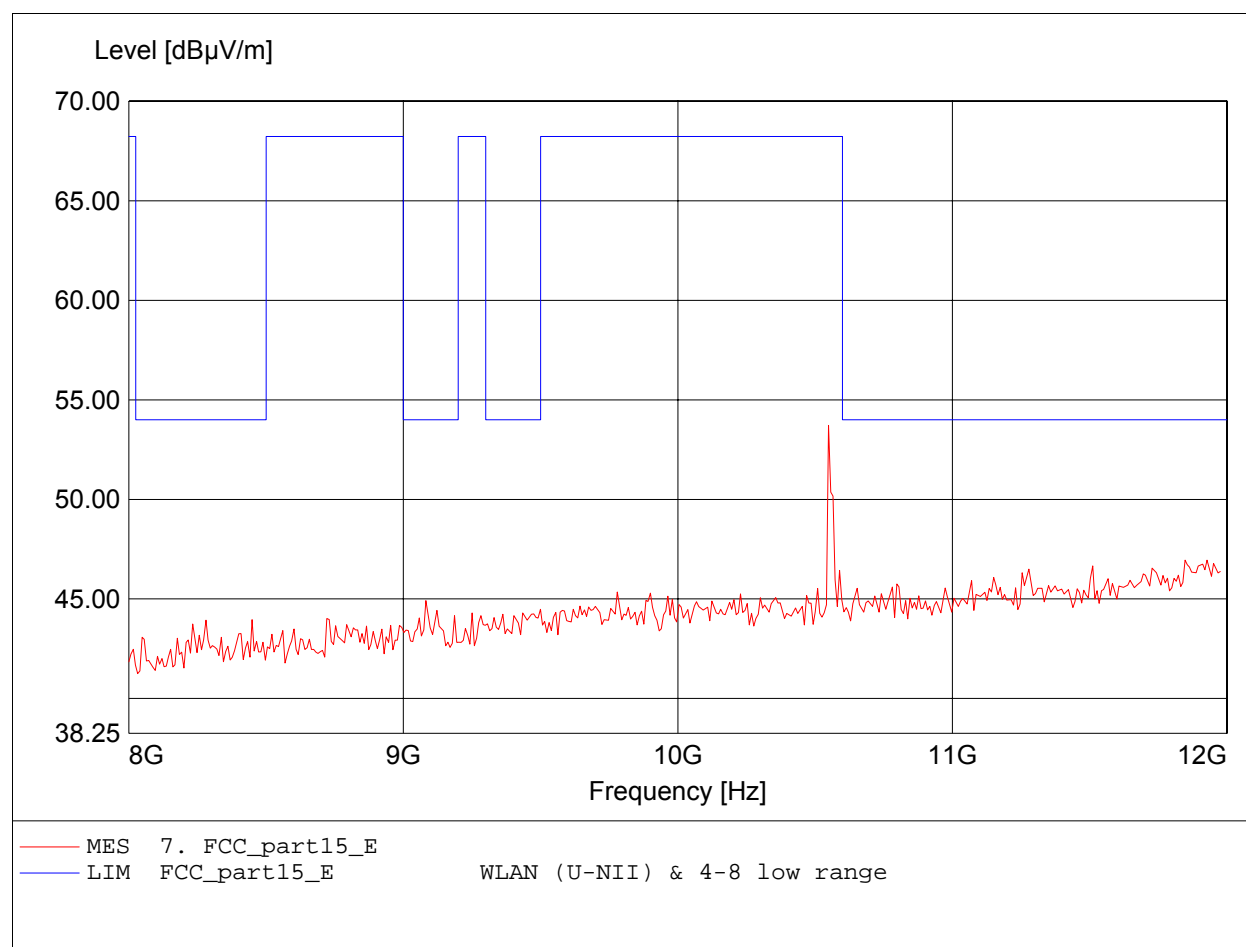
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 7.448GHz, Emax: 48.51dBµV/m, RBW: 1MHz



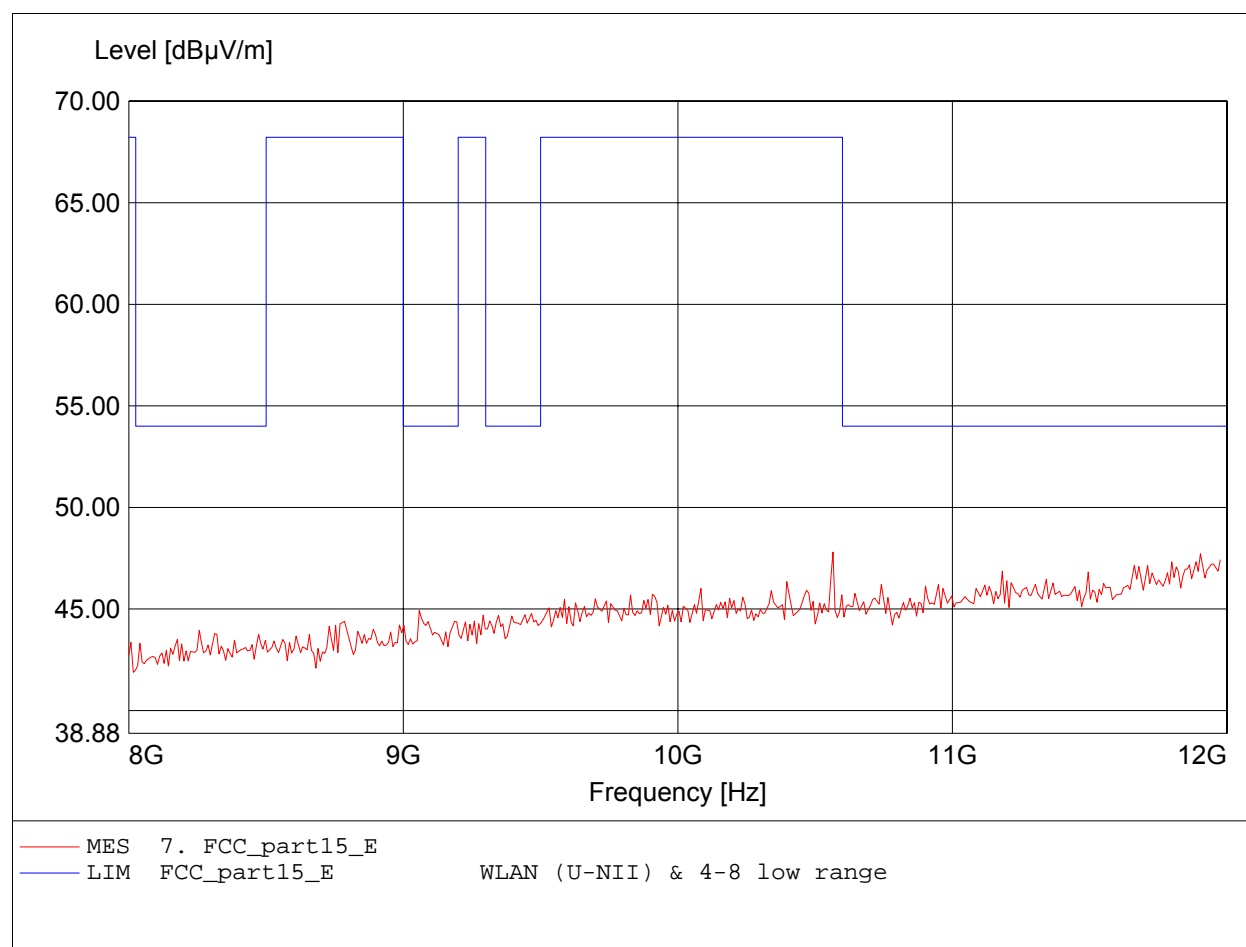
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.549GHz, Emax: 53.72dBµV/m, RBW: 1MHz



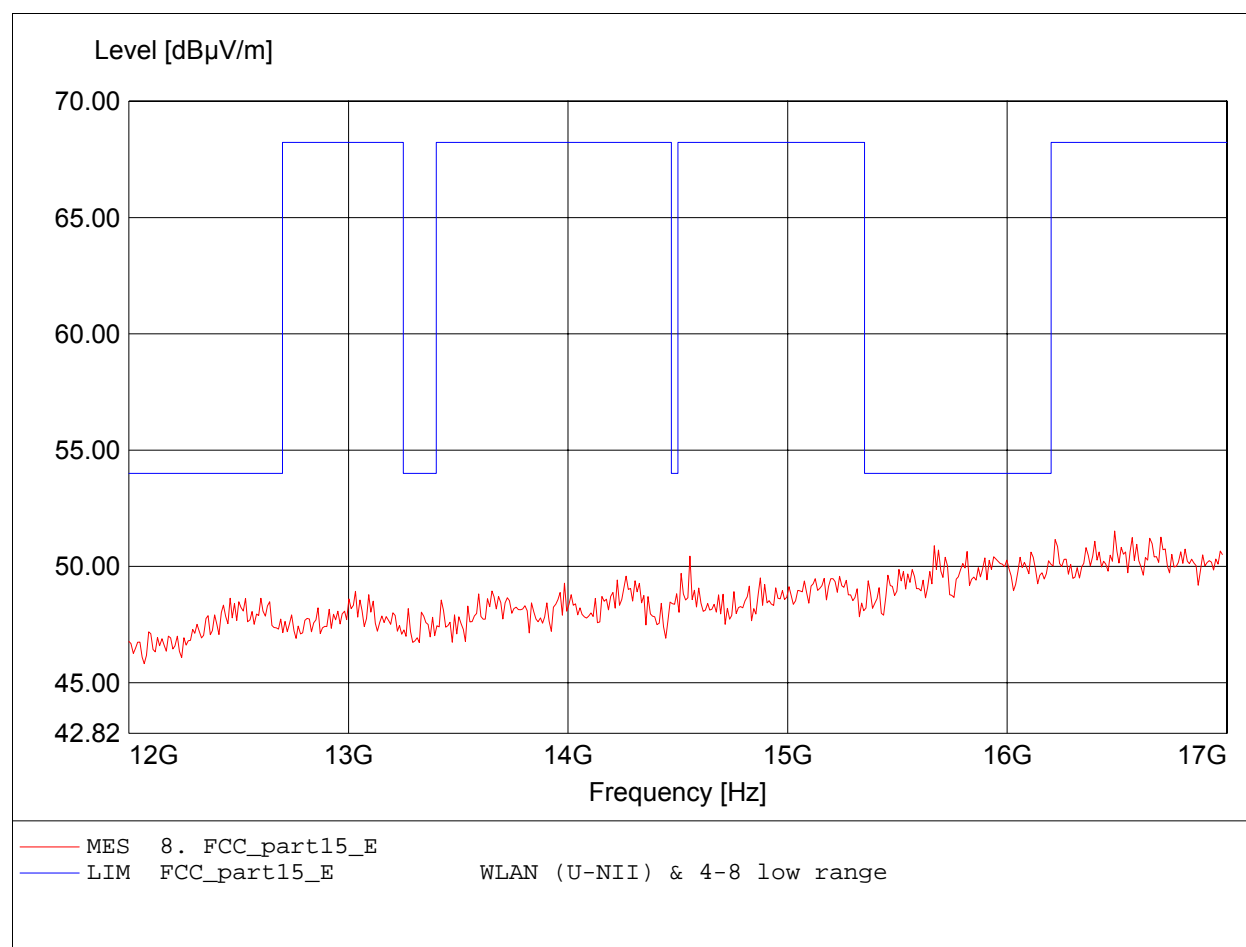
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.565GHz, Emax: 47.80dBµV/m, RBW: 1MHz



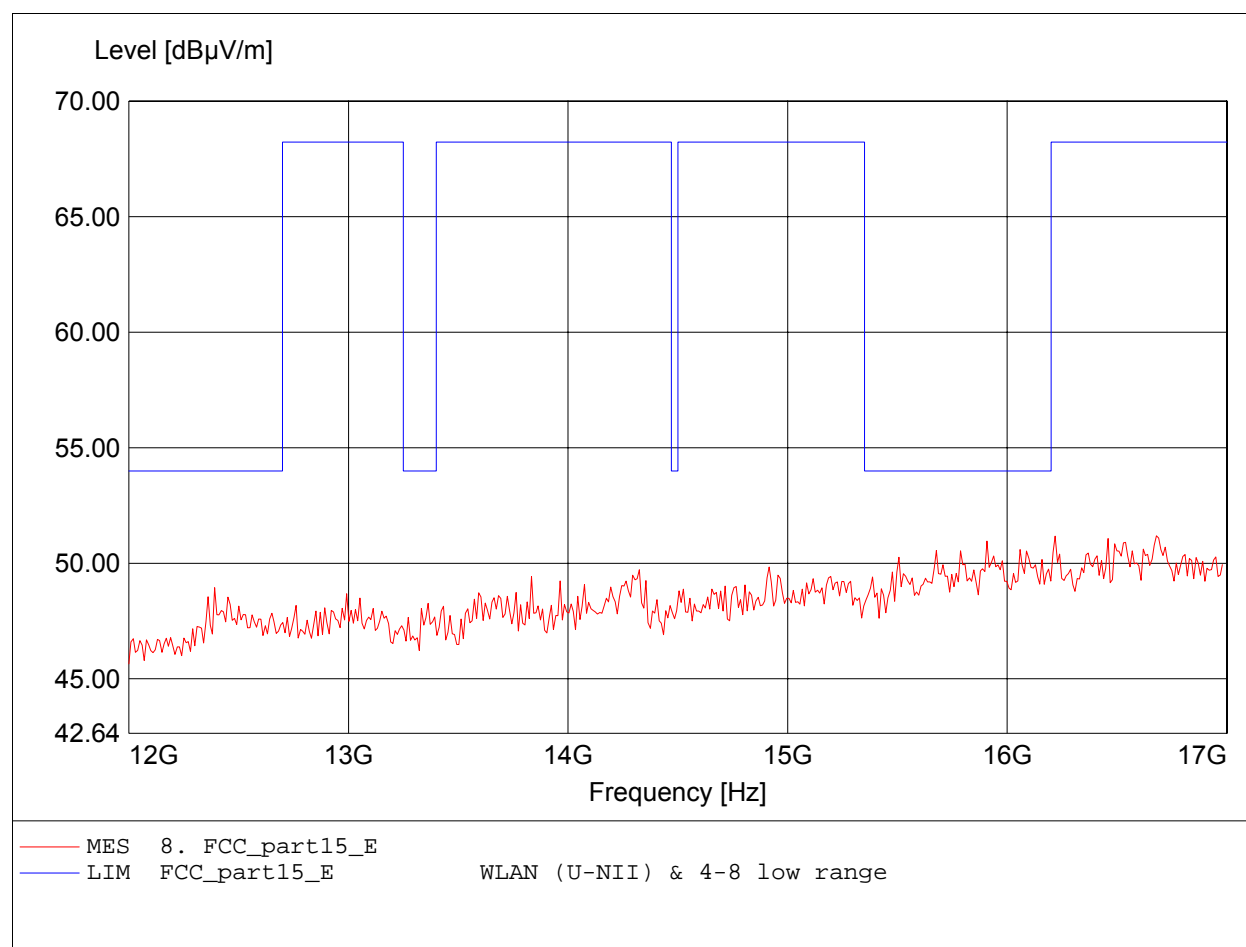
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.489GHz, Emax: 51.52dBµV/m, RBW: 1MHz



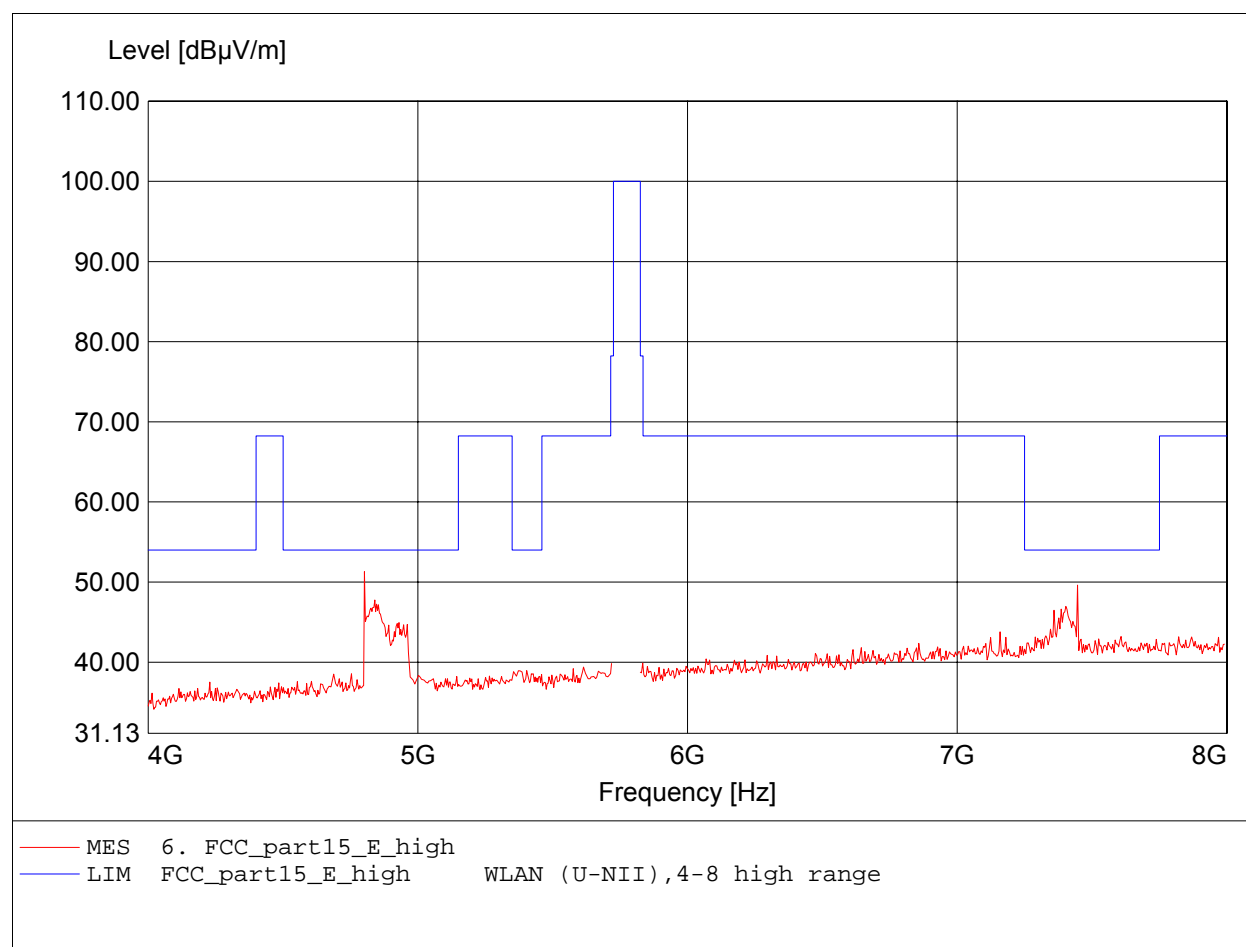
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.679GHz, Emax: 51.19dBµV/m, RBW: 1MHz



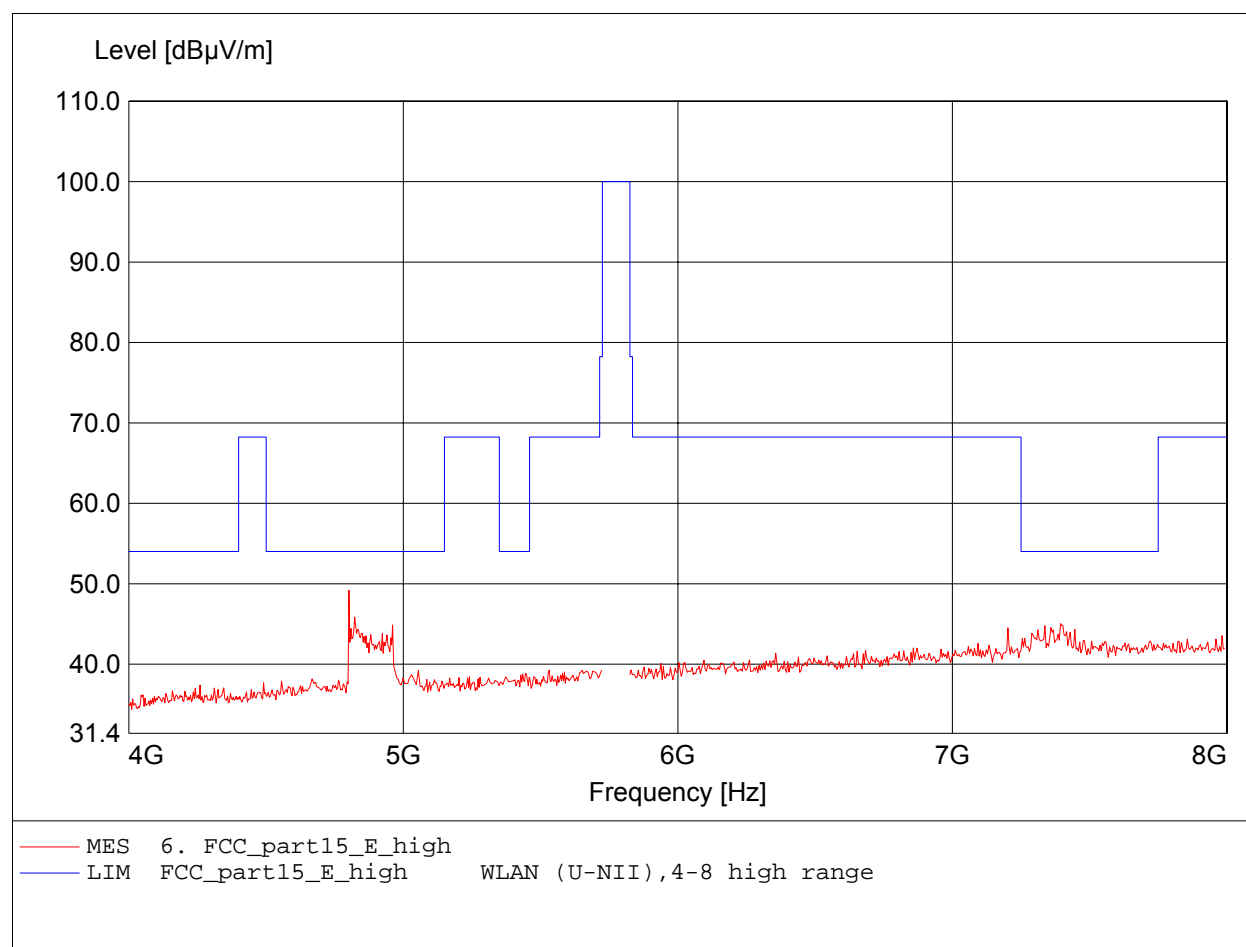
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 51.29dBµV/m, RBW: 1MHz



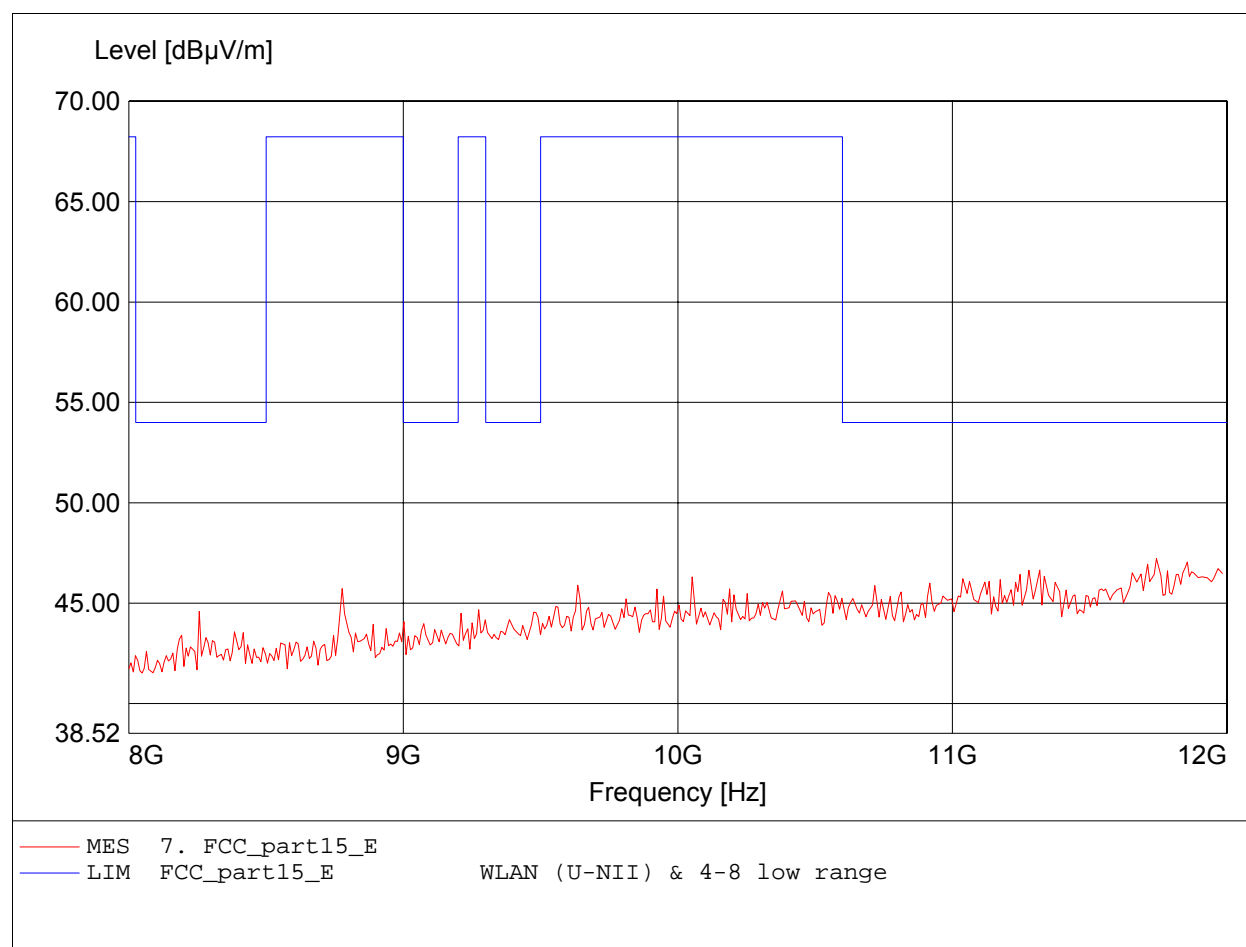
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 49.21dBµV/m, RBW: 1MHz



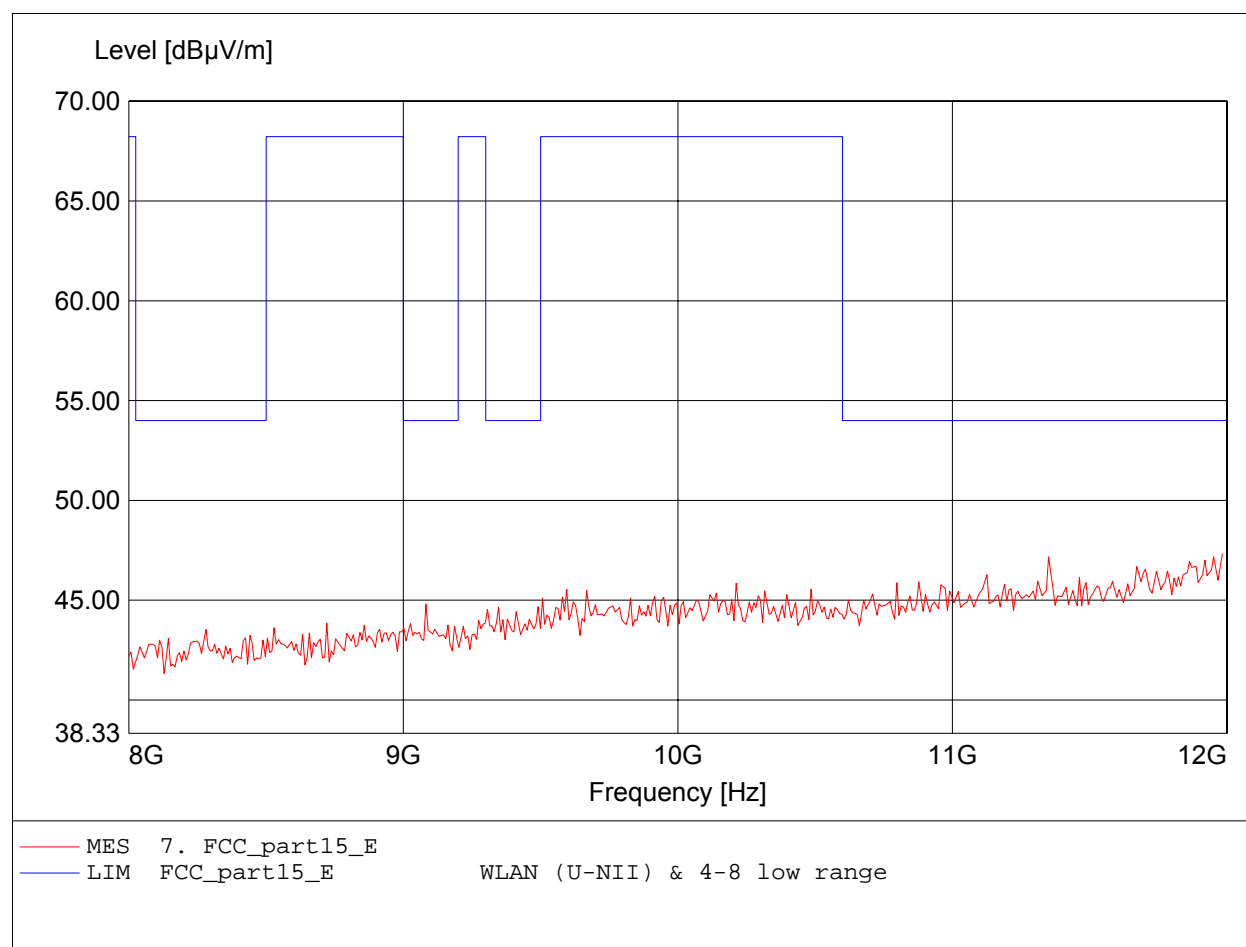
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.743GHz, Emax: 47.22dBµV/m, RBW: 1MHz



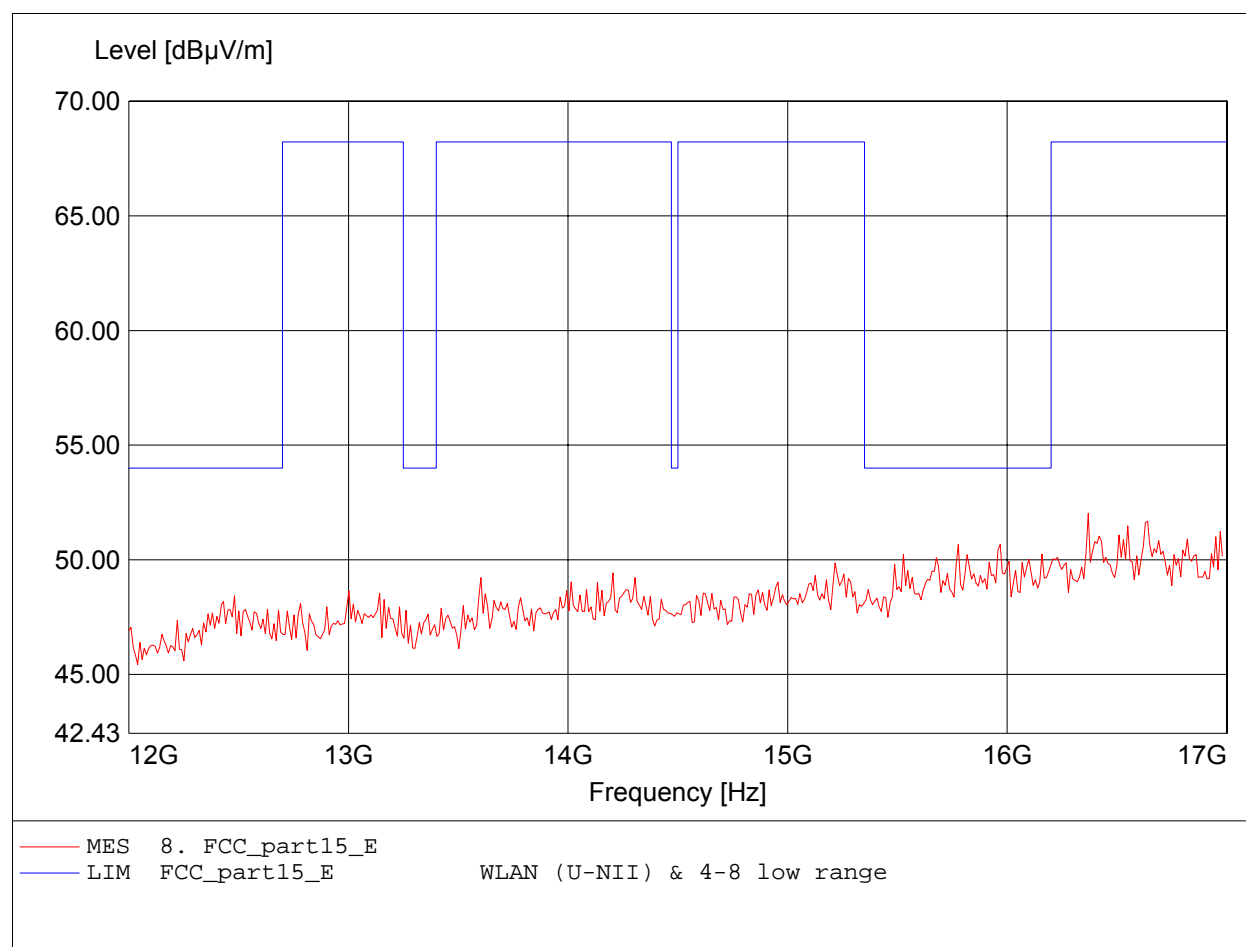
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.984GHz, Emax: 47.32dBµV/m, RBW: 1MHz



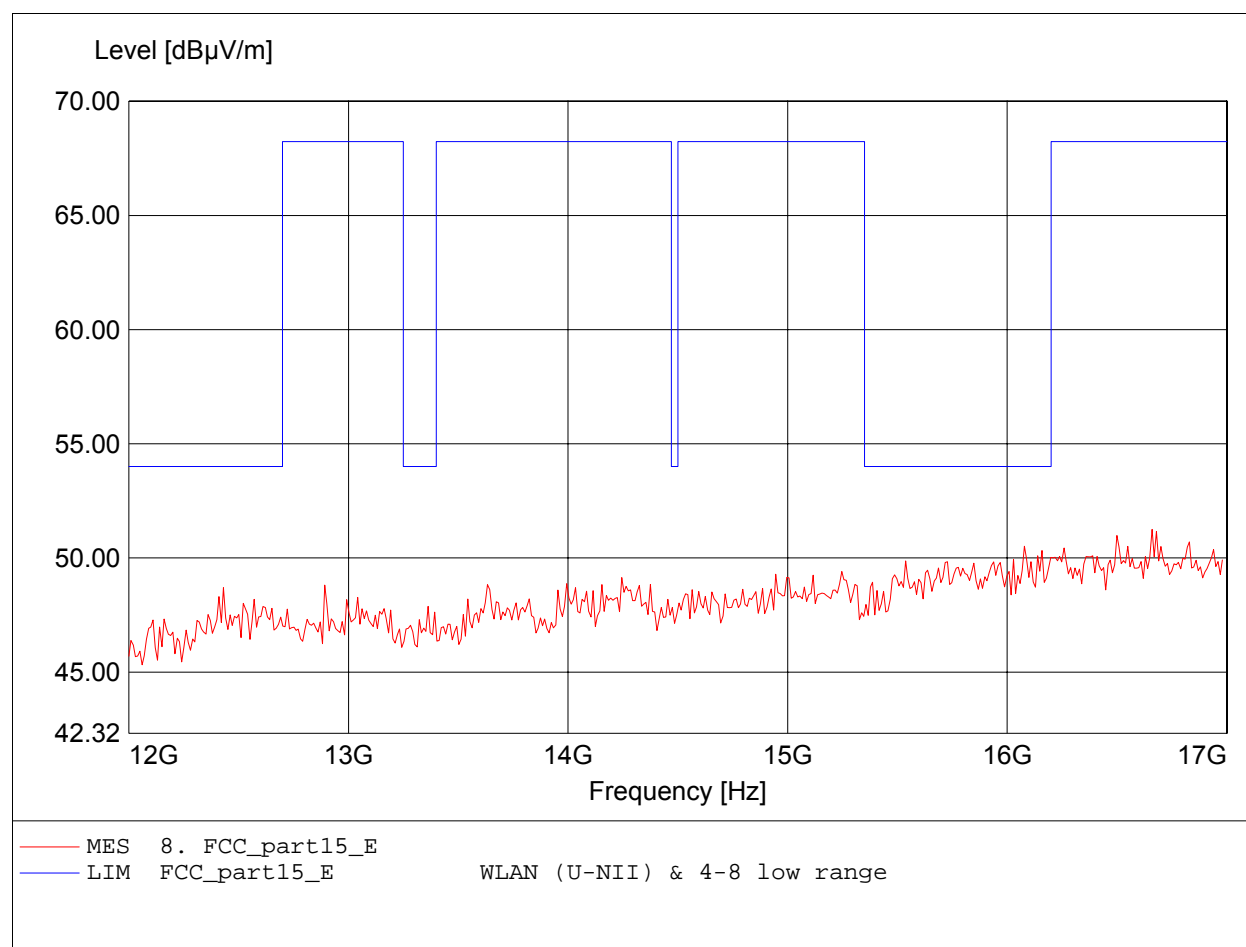
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.369GHz, Emax: 52.01dBµV/m, RBW: 1MHz



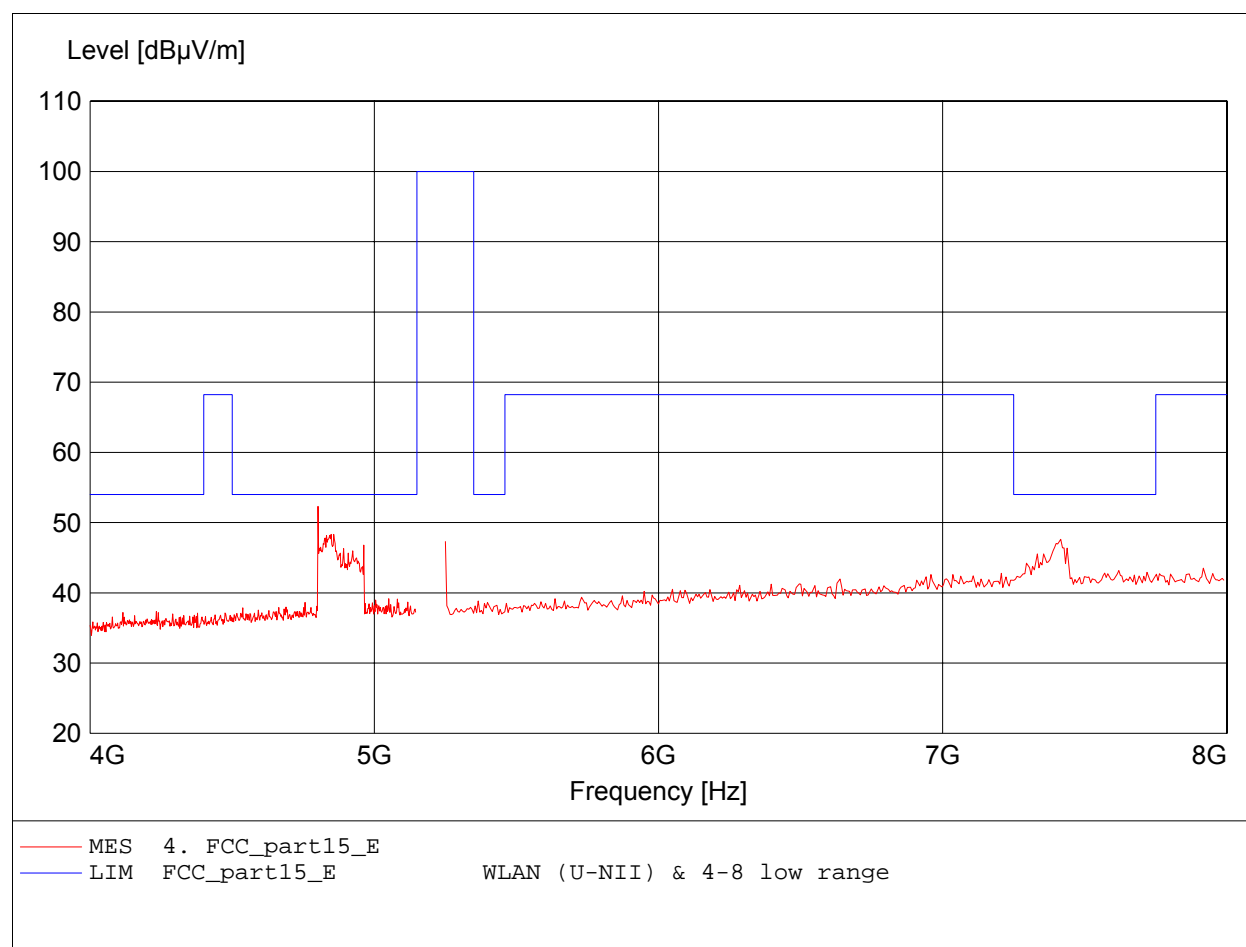
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 1 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.659GHz, Emax: 51.25dBµV/m, RBW: 1MHz



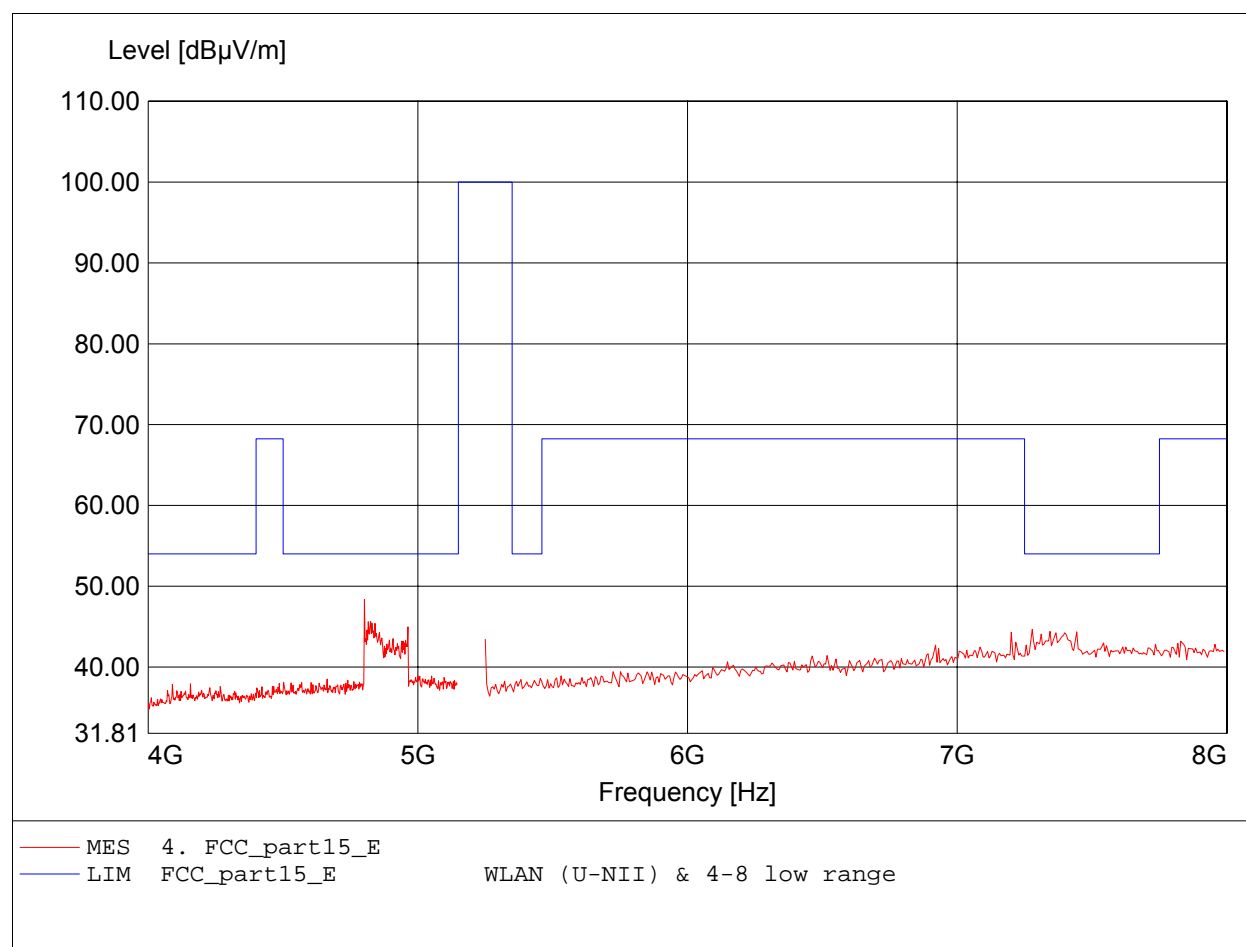
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 52.30dBμV/m, RBW: 1MHz



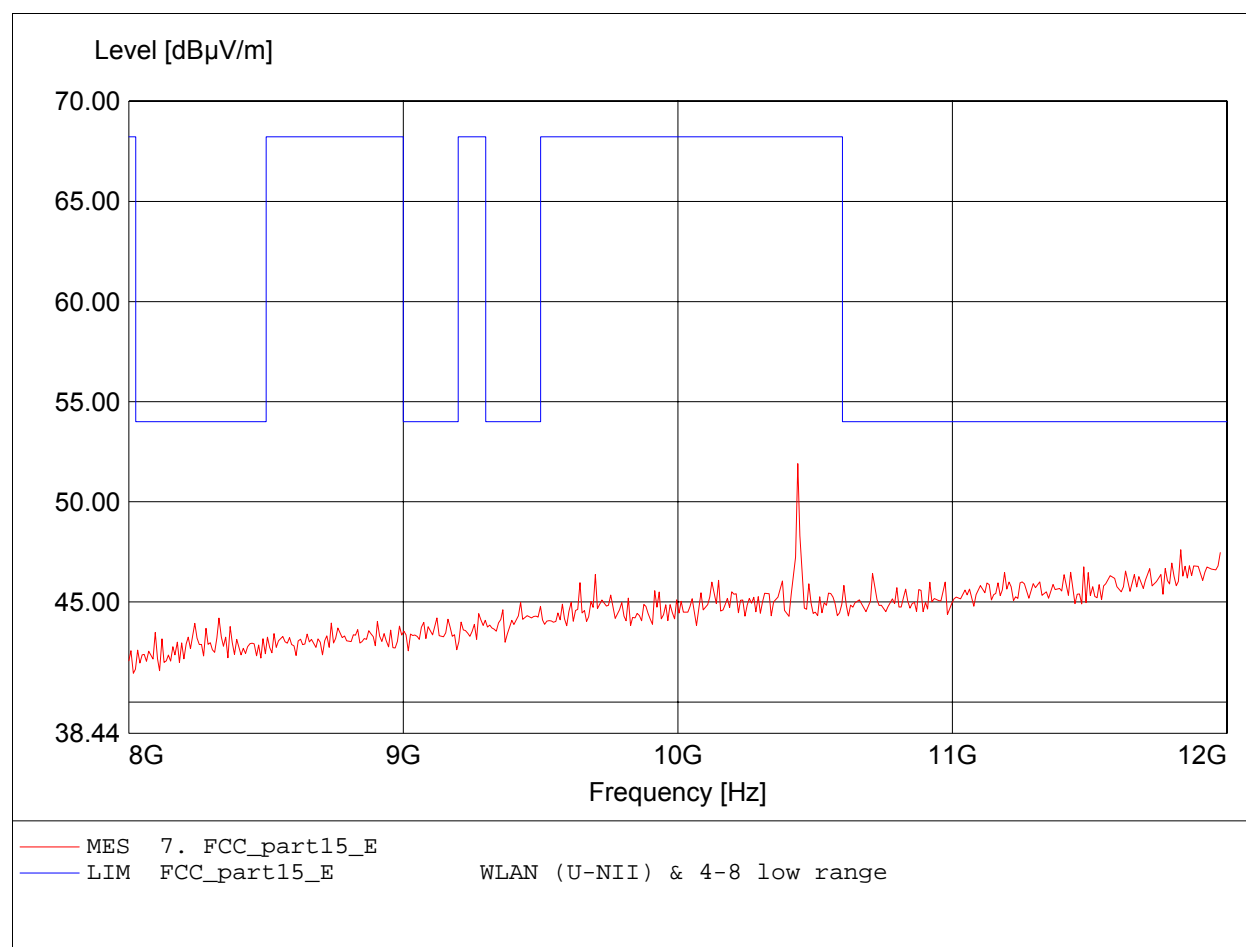
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 48.35dBµV/m, RBW: 1MHz



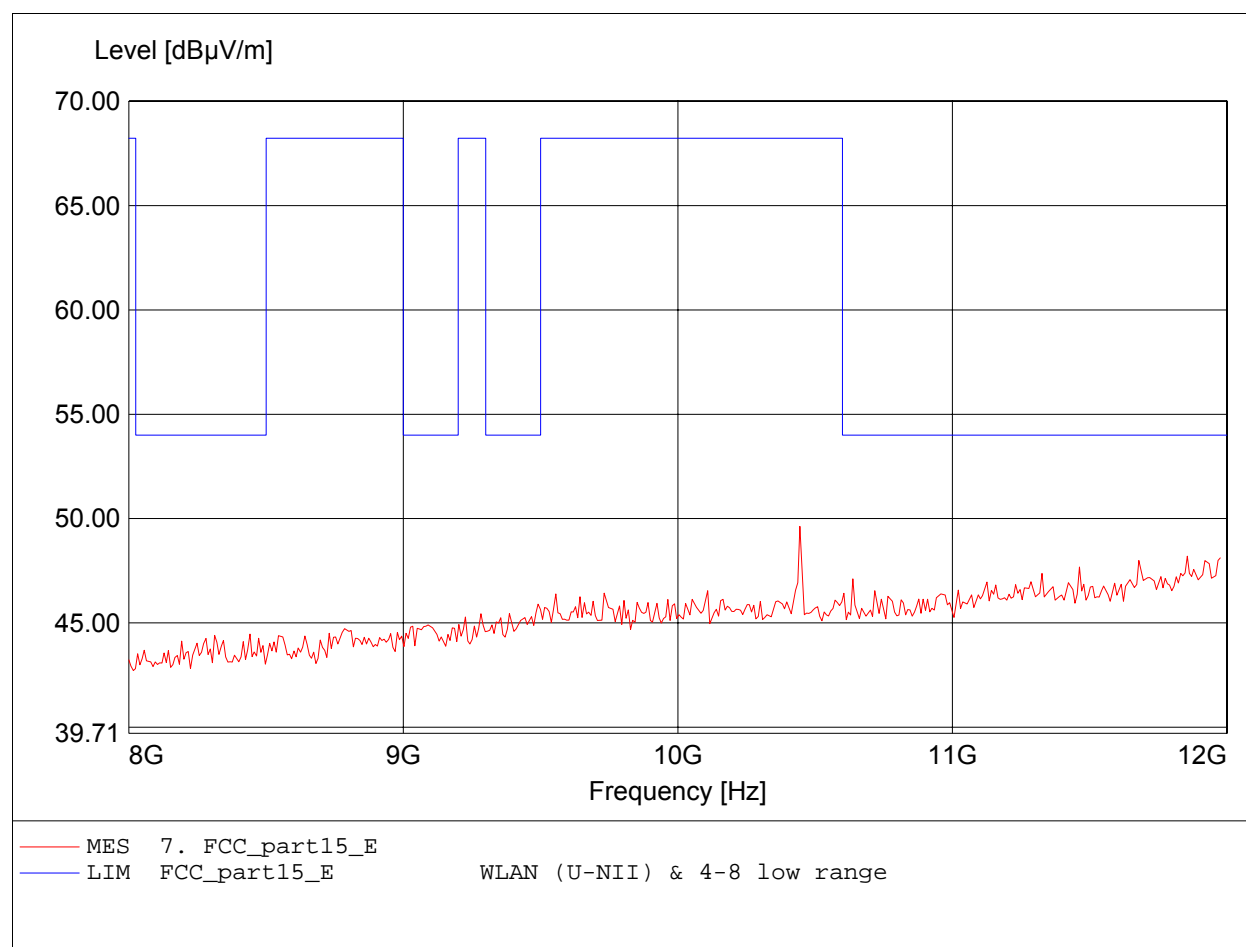
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.437GHz, Emax: 51.90dBµV/m, RBW: 1MHz



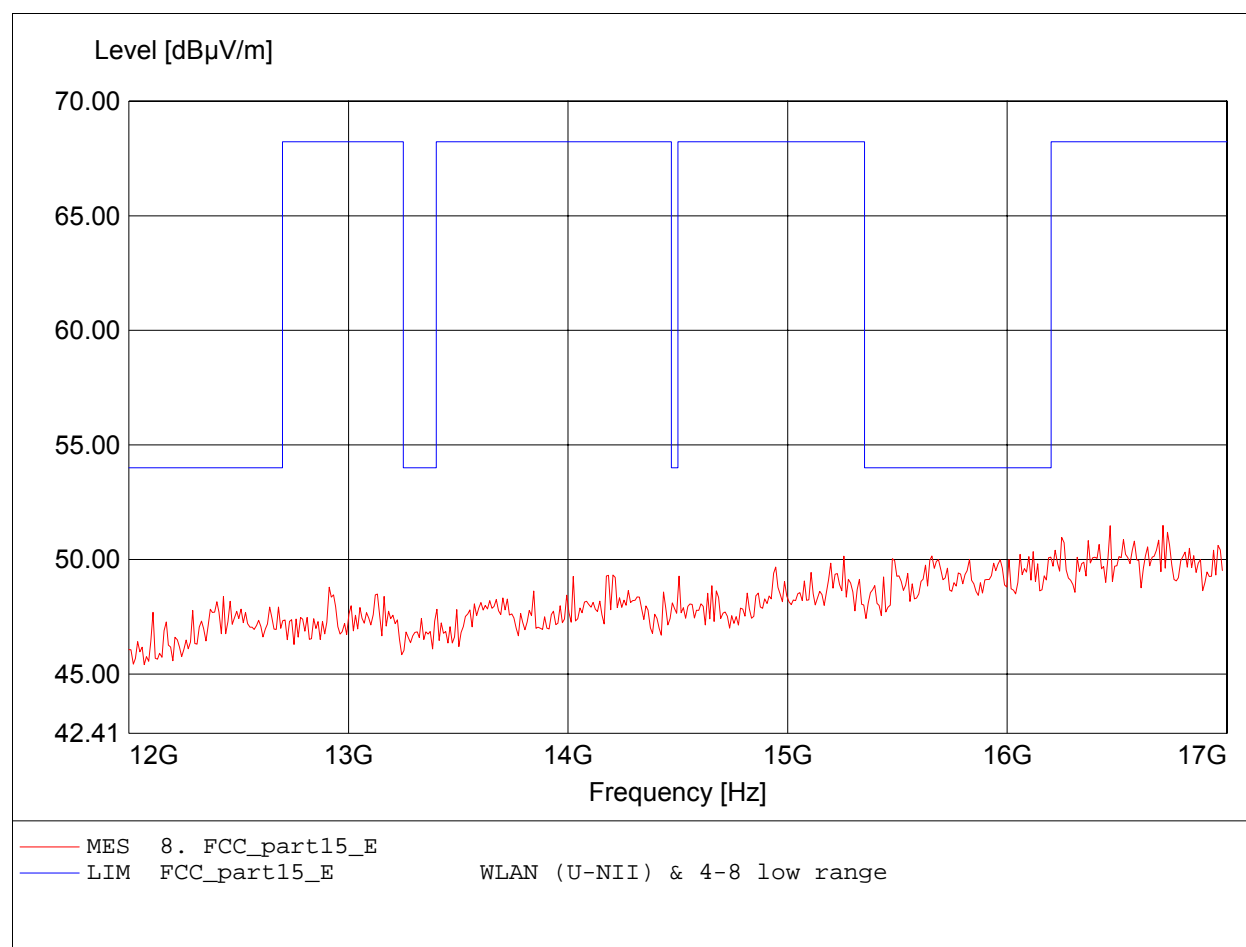
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.445GHz, Emax: 49.63dBµV/m, RBW: 1MHz



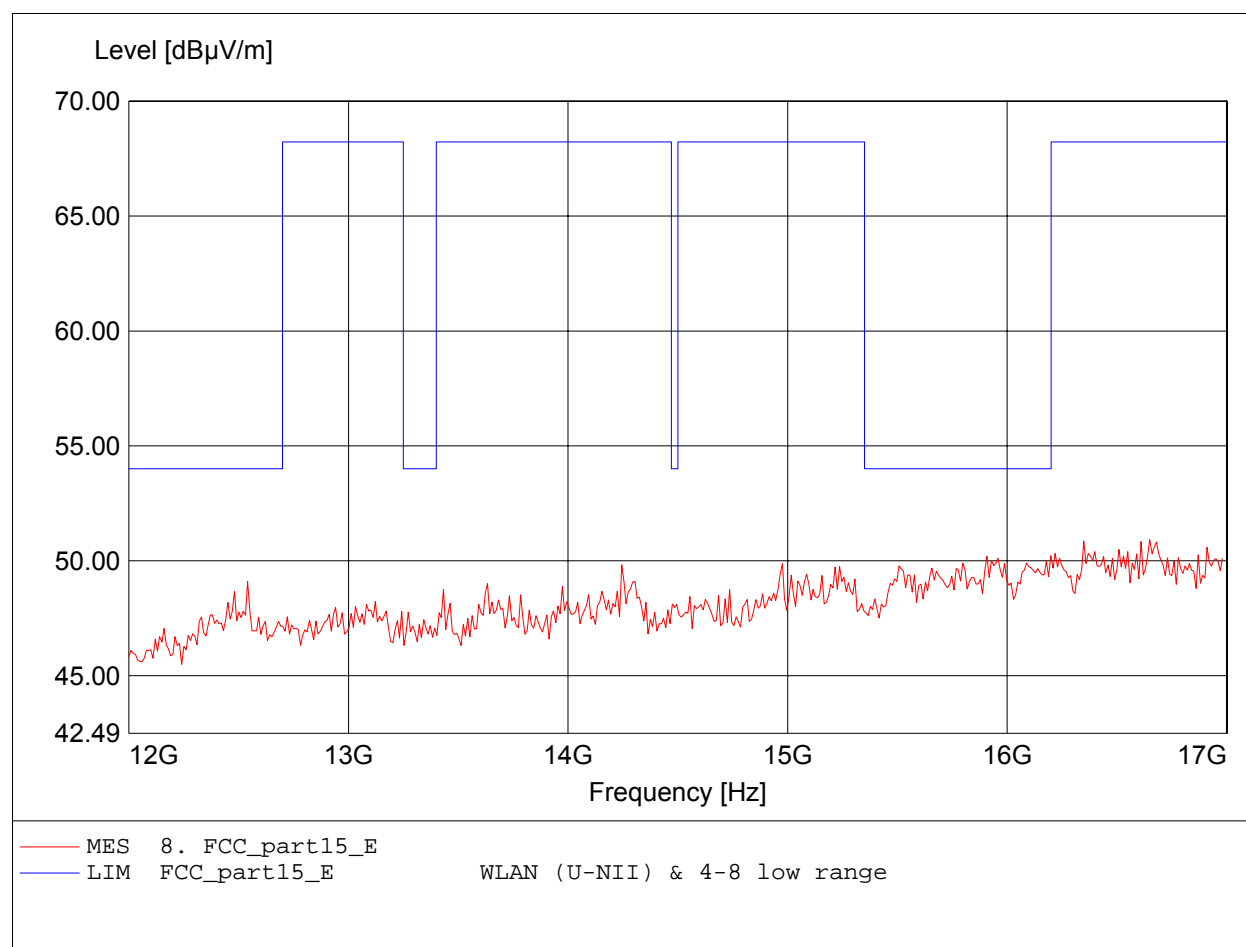
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.709GHz, Emax: 51.49dBµV/m, RBW: 1MHz



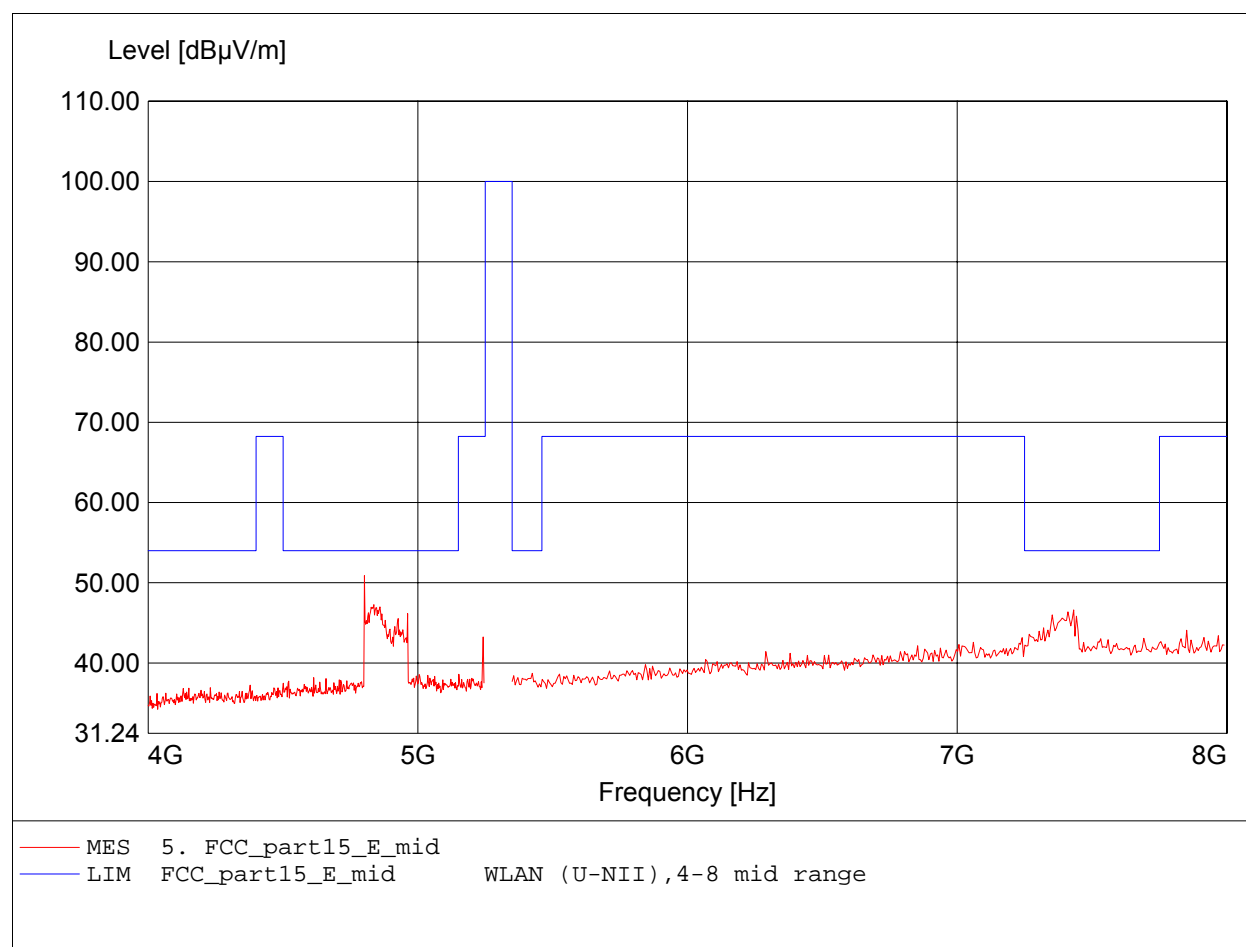
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5220 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.649GHz, Emax: 50.92dBµV/m, RBW: 1MHz



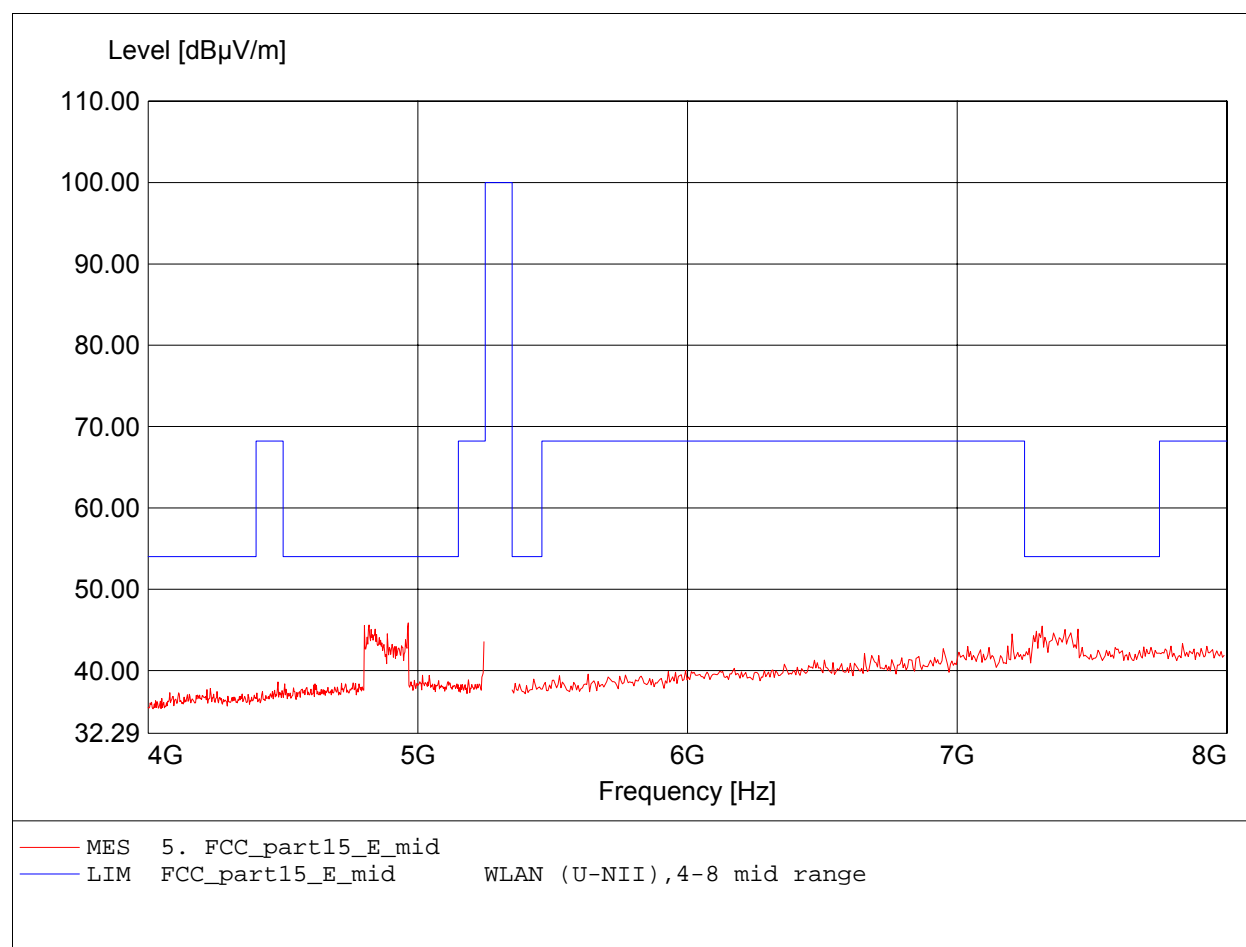
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.802GHz, Emax: 50.88dBµV/m, RBW: 1MHz



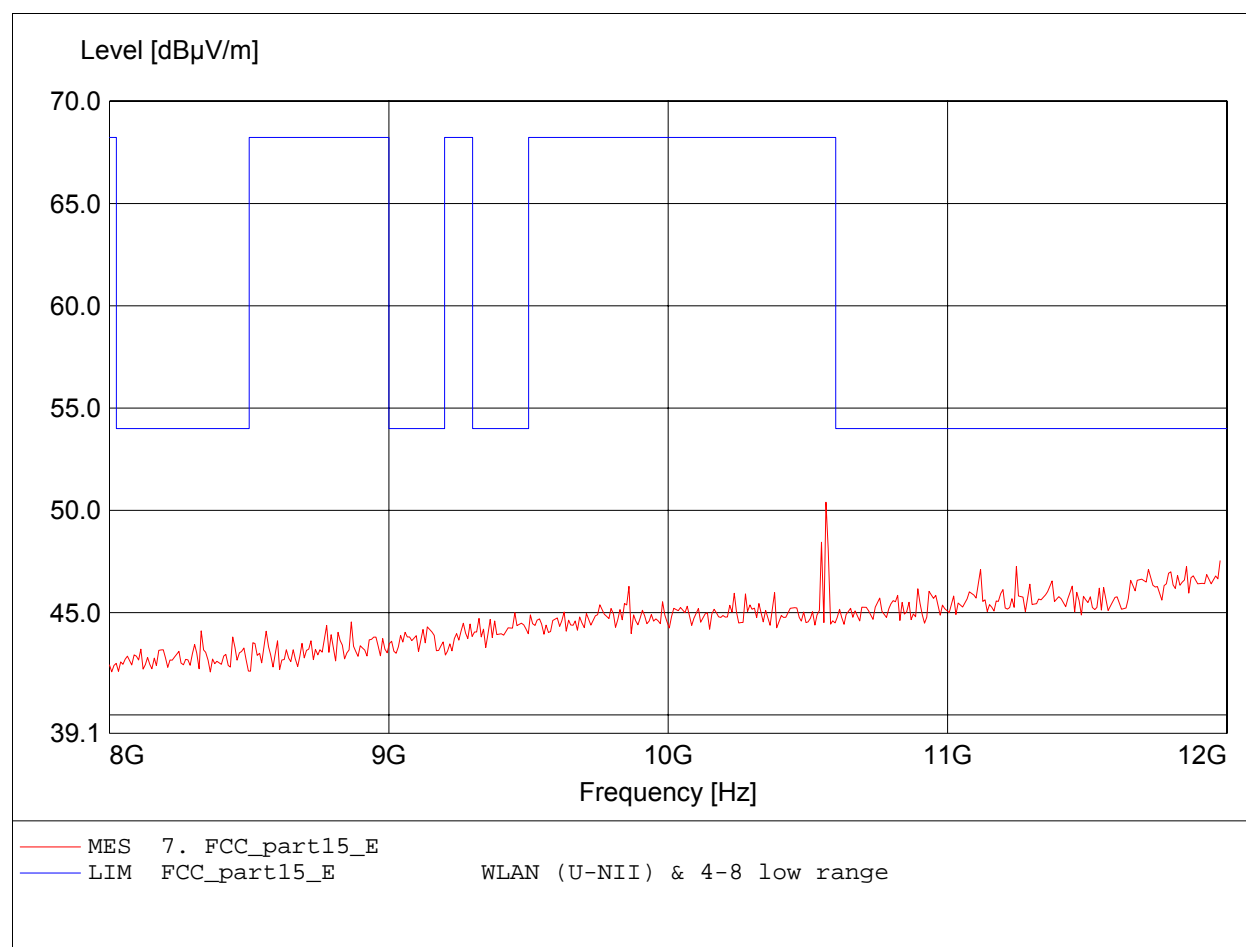
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.964GHz, Emax: 45.87dBµV/m, RBW: 1MHz



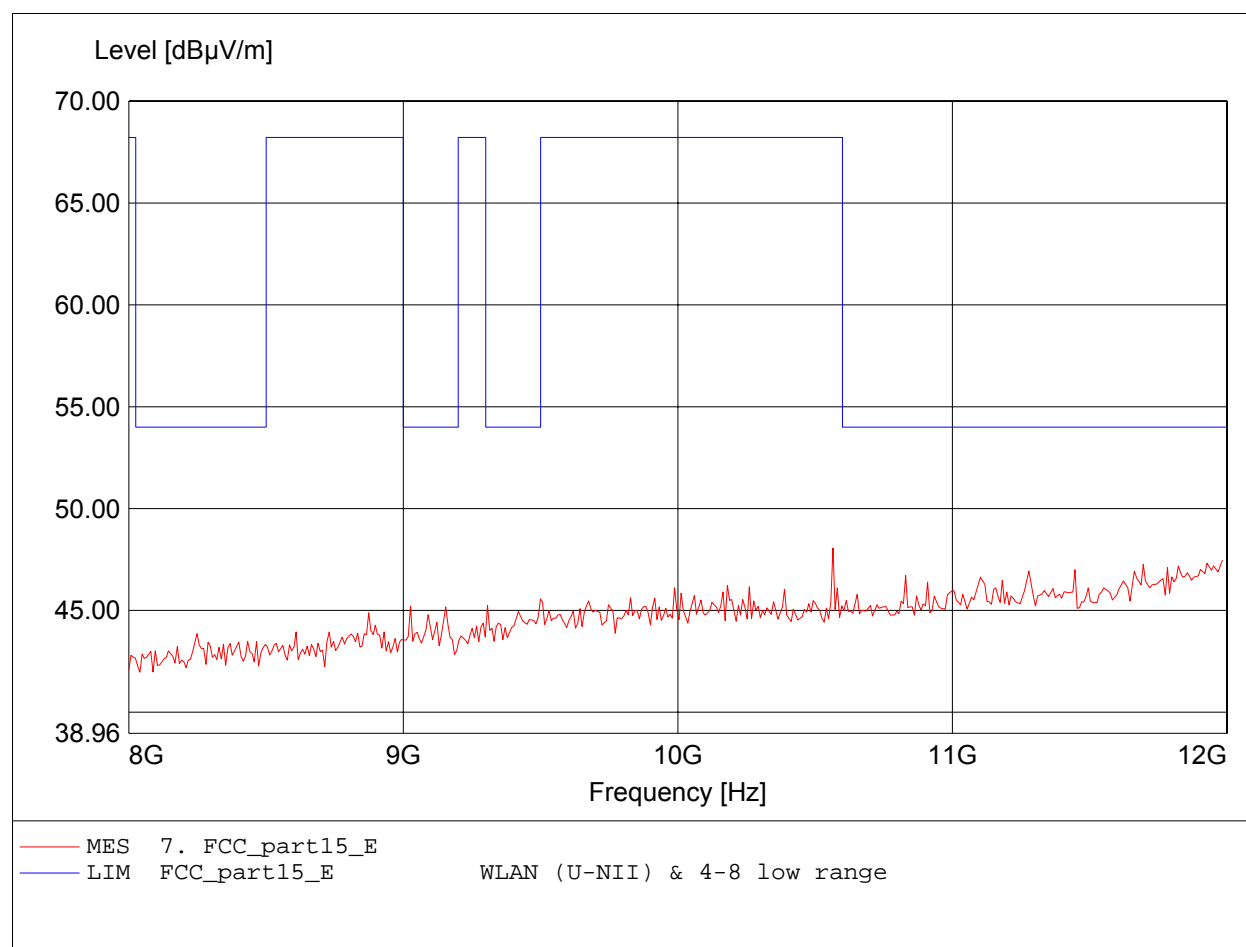
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.565GHz, Emax: 50.40dBµV/m, RBW: 1MHz



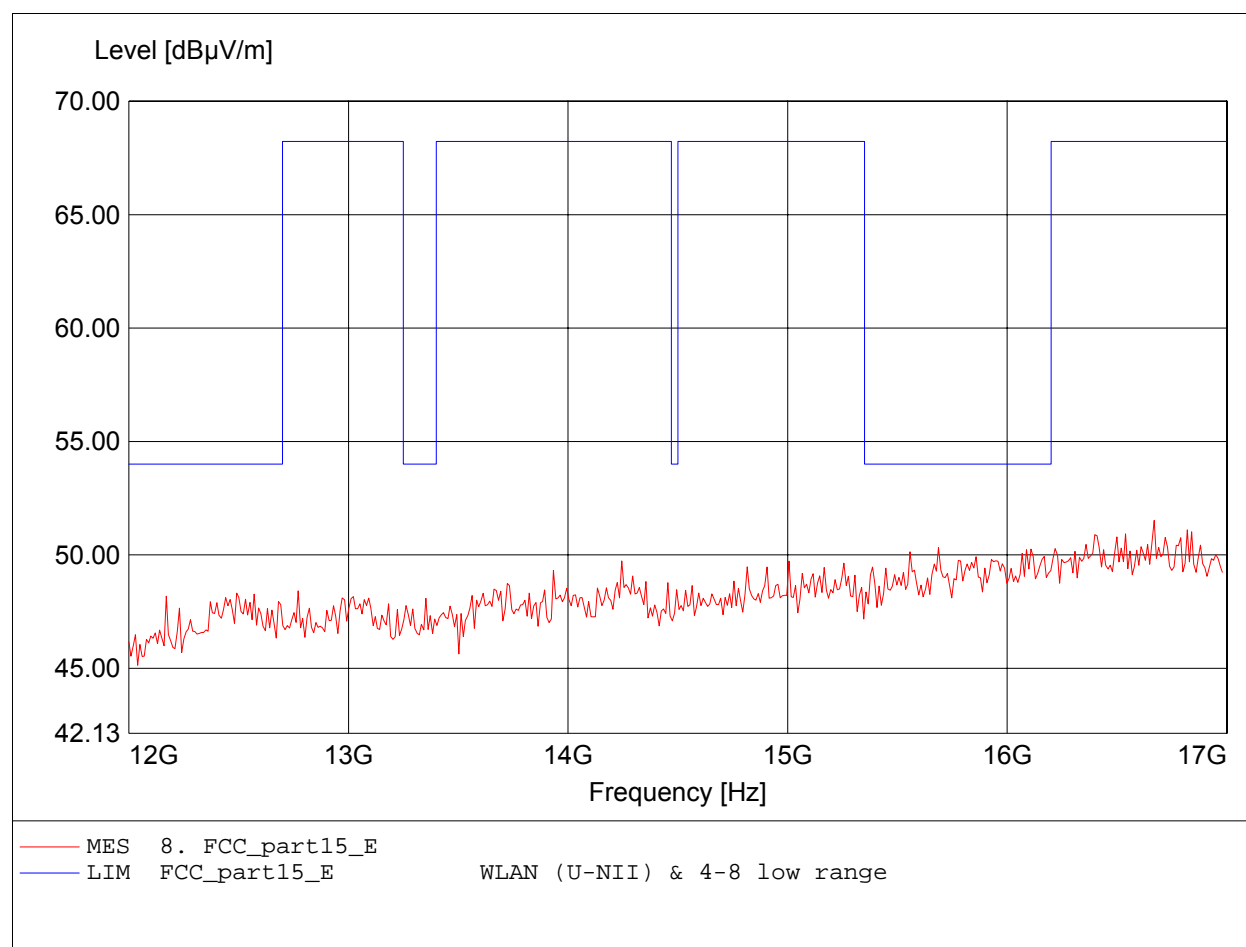
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 10.565GHz, Emax: 48.06dBµV/m, RBW: 1MHz



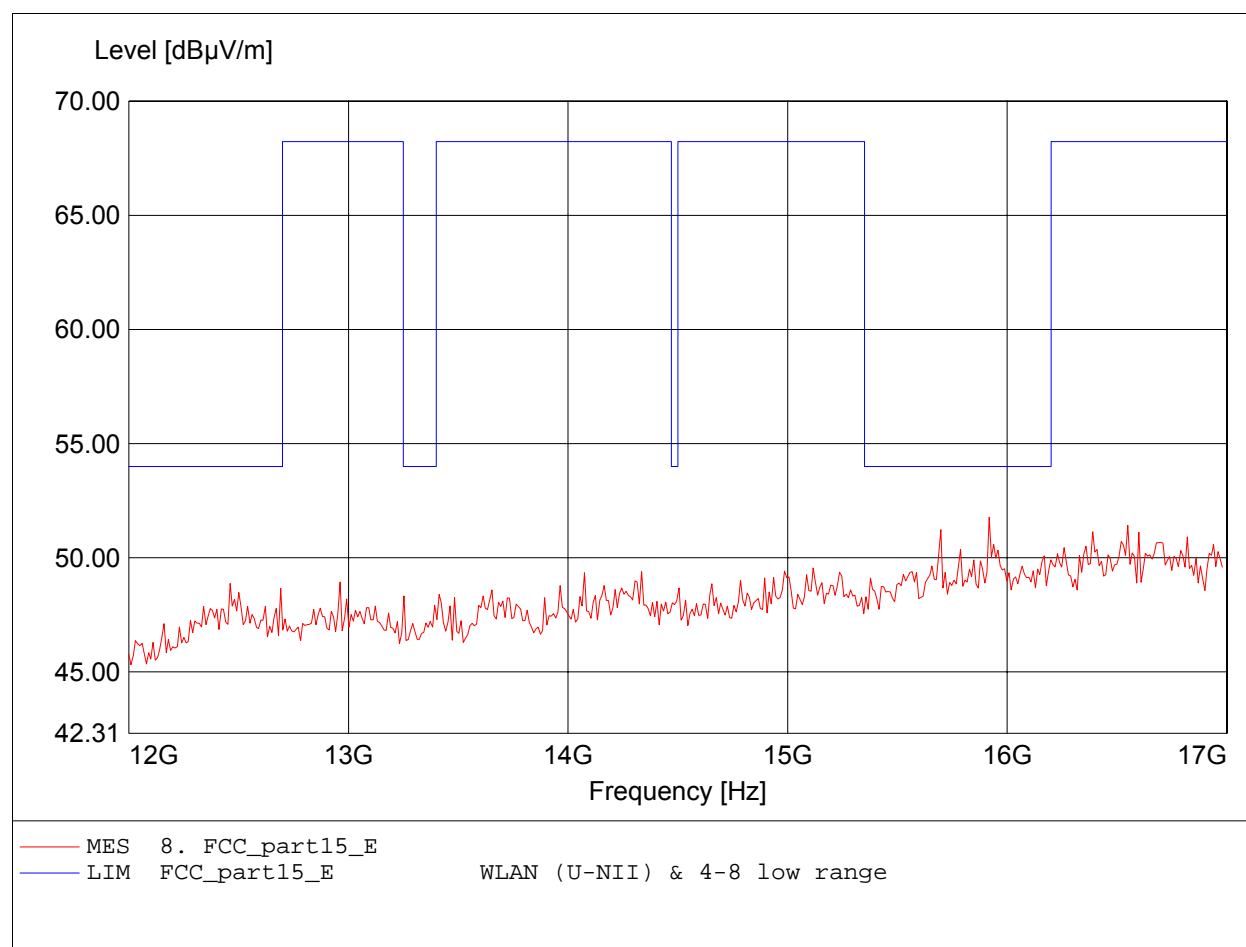
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.669GHz, Emax: 51.51dBµV/m, RBW: 1MHz



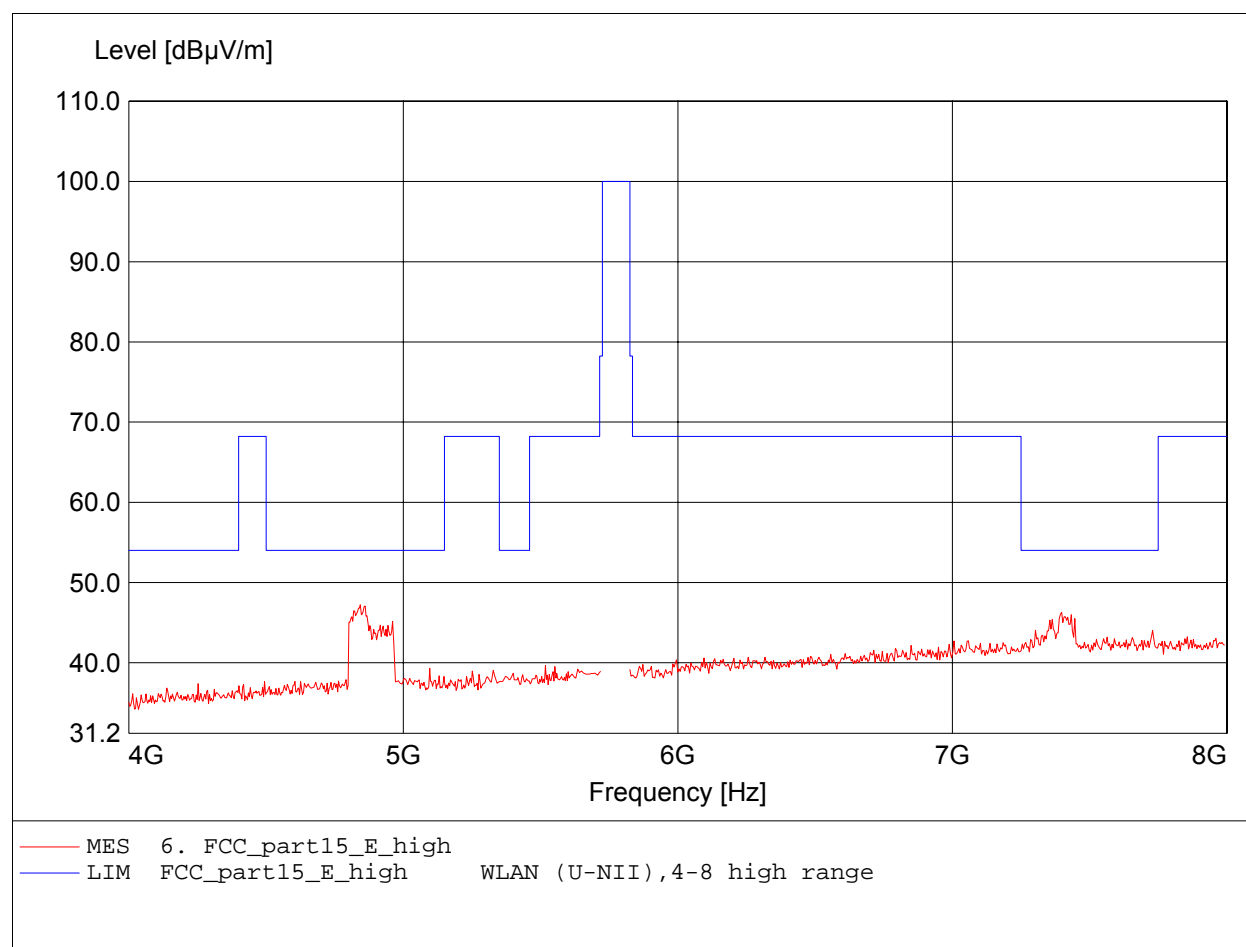
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5280 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 15.918GHz, Emax: 51.78dBµV/m, RBW: 1MHz



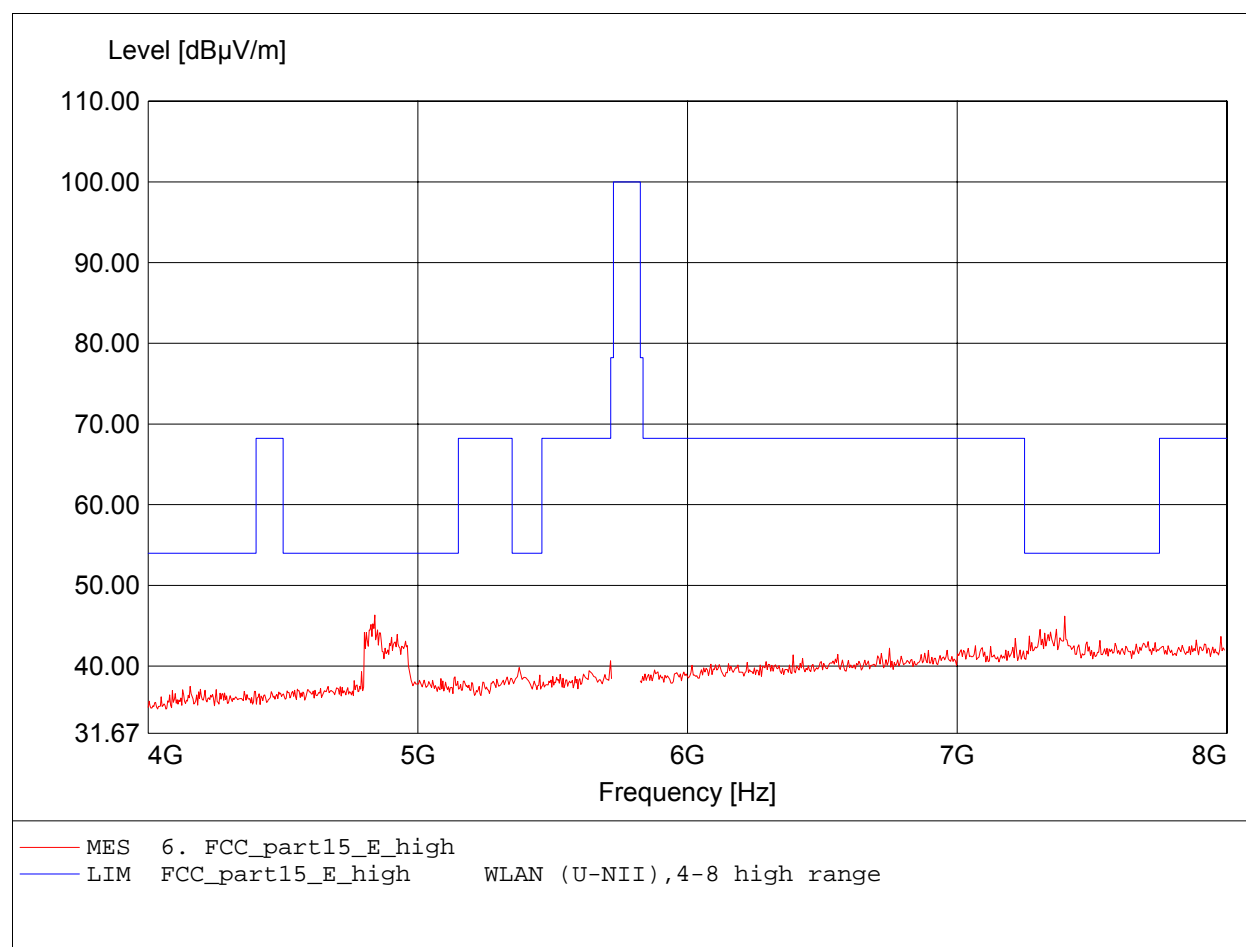
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.843GHz, Emax: 47.22dBµV/m, RBW: 1MHz



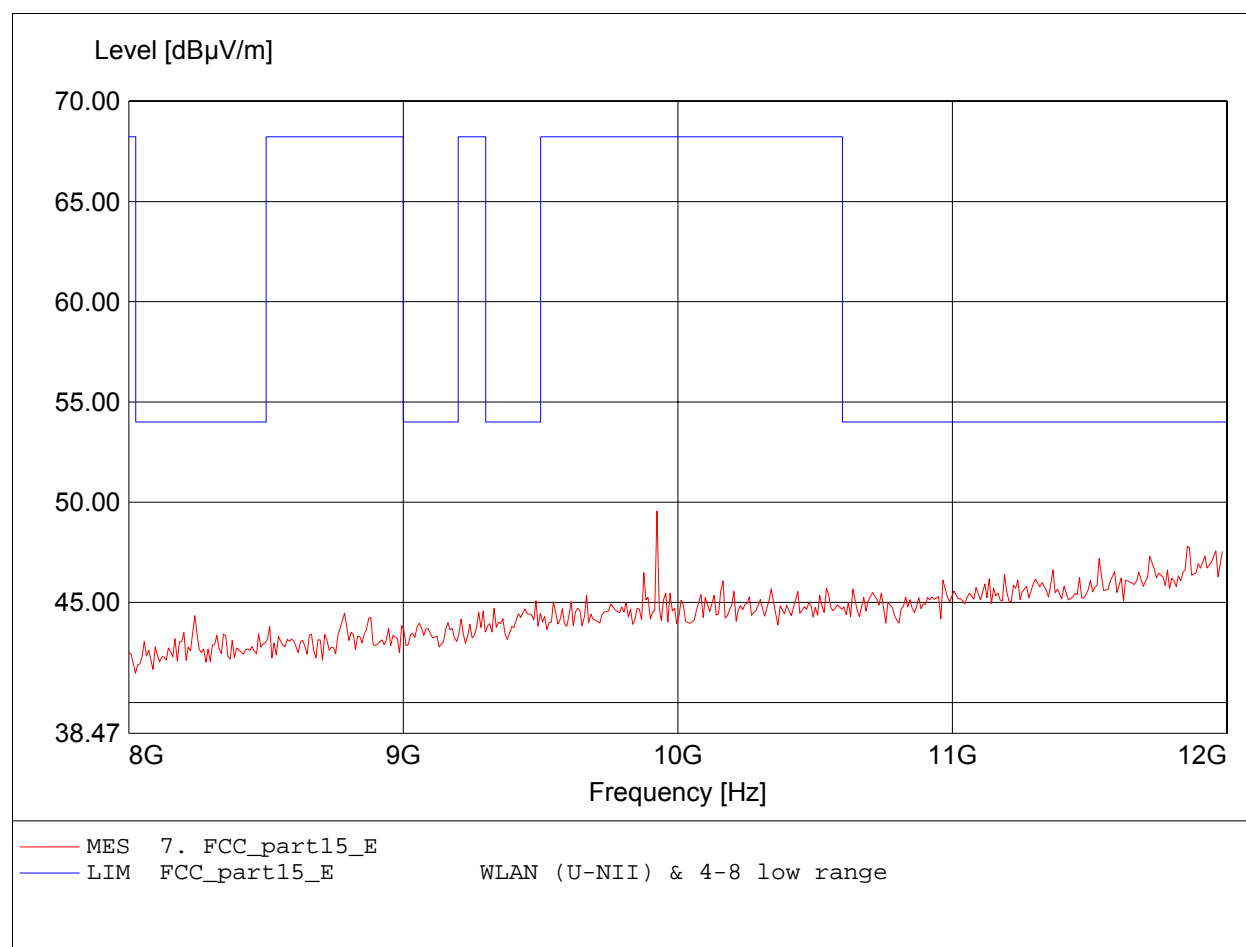
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 4.840GHz, Emax: 46.31dBµV/m, RBW: 1MHz



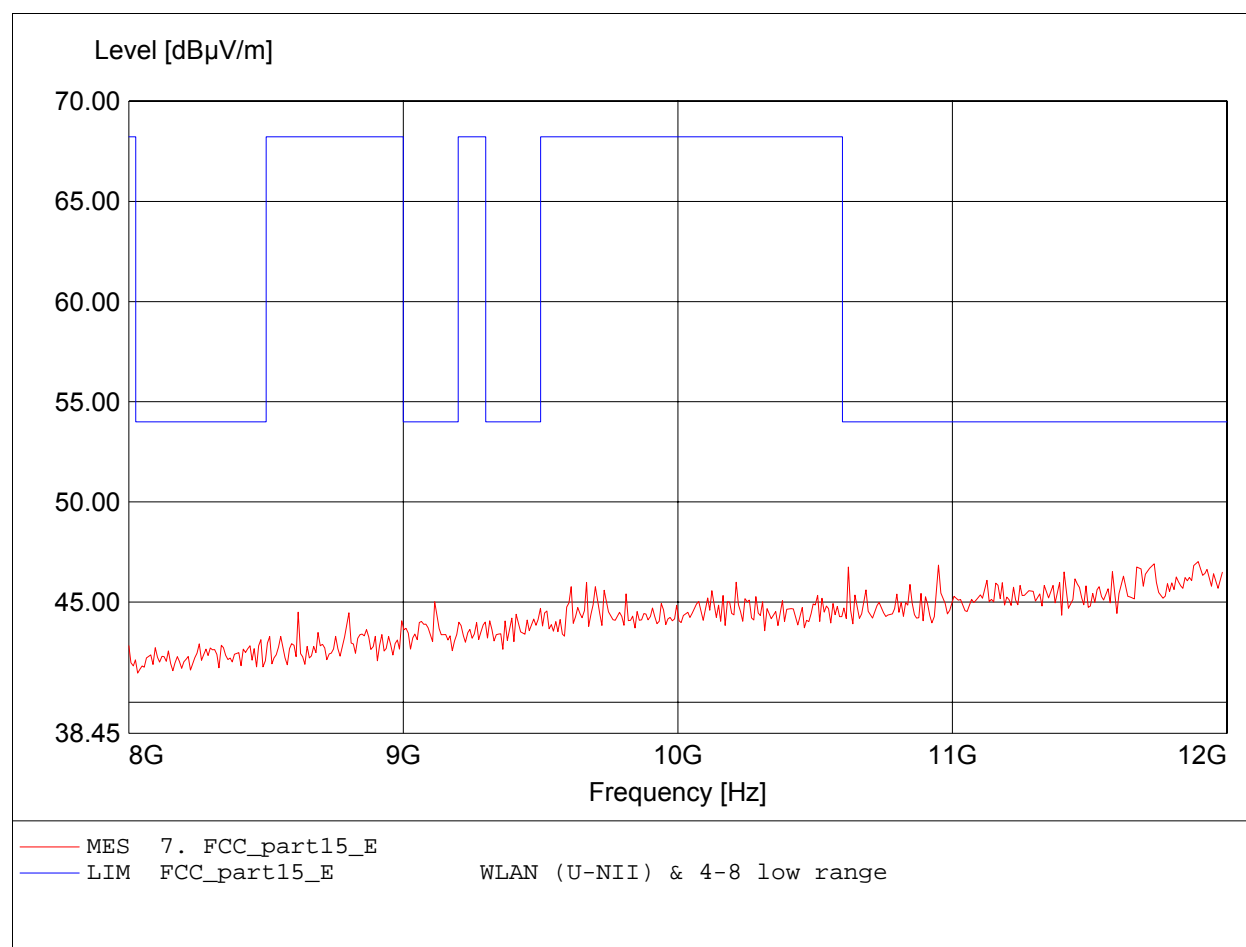
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 9.924GHz, Emax: 49.56dBµV/m, RBW: 1MHz



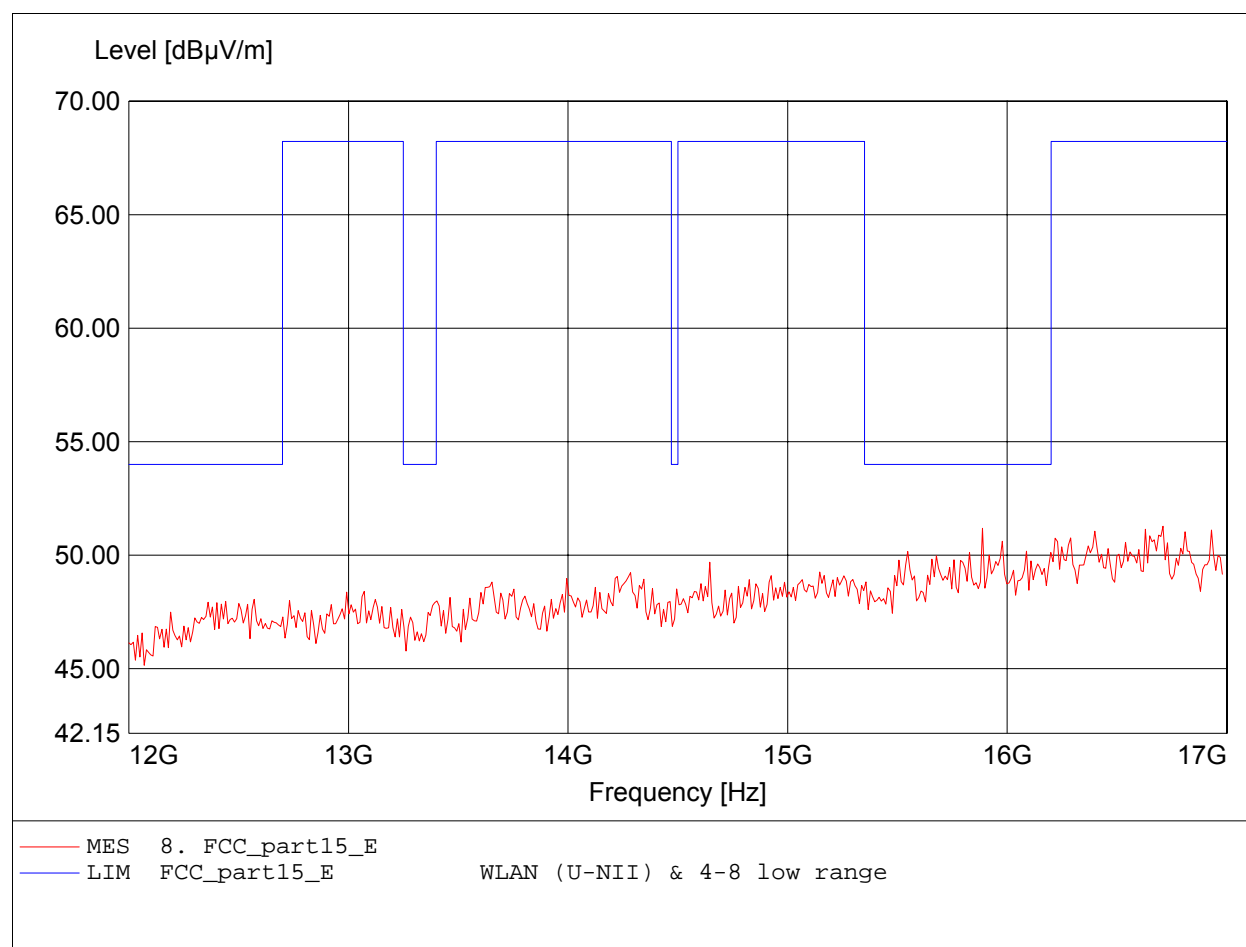
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.+HP.
Comment 2: Freq: 11.896GHz, Emax: 47.02dBµV/m, RBW: 1MHz



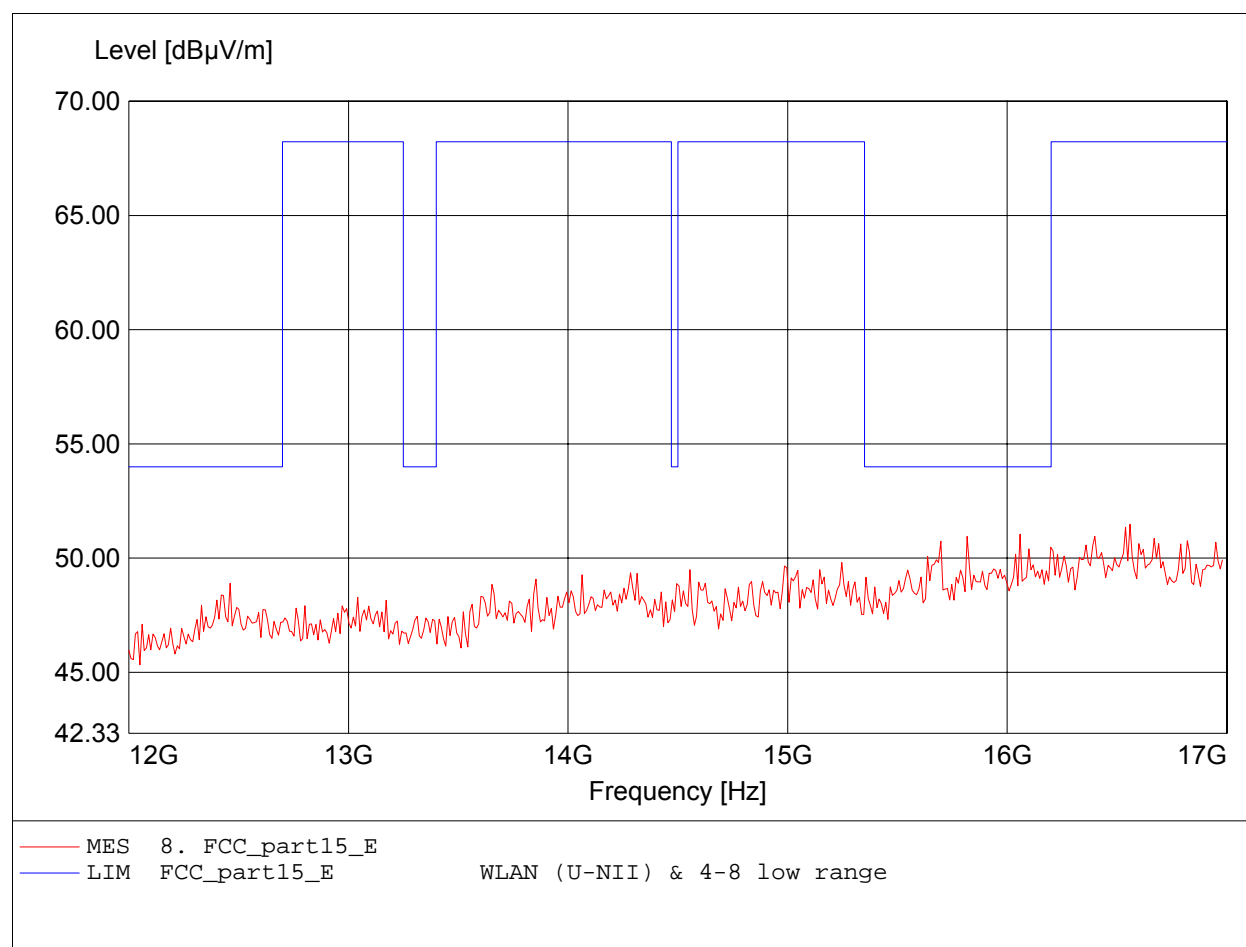
Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.709GHz, Emax: 51.28dBµV/m, RBW: 1MHz



Spurious emissions Field Strength
FCC RULES PART 15, SUBPART E

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Panel 277 IWLAN / Ant.: 2 / 802.11a / 5765 MHz
Test Site / Operator: ETS / Mr. Meng
Test Conditions: 23°C / Unom.: 12 V DC (AC/DC-adaptor)
Test Specification: according to §15.407, peak detector
Comment 1: Dist.: 3m, Ant.: BBHA9120D, amplif.
Comment 2: Freq: 16.559GHz, Emax: 51.48dBµV/m, RBW: 1MHz

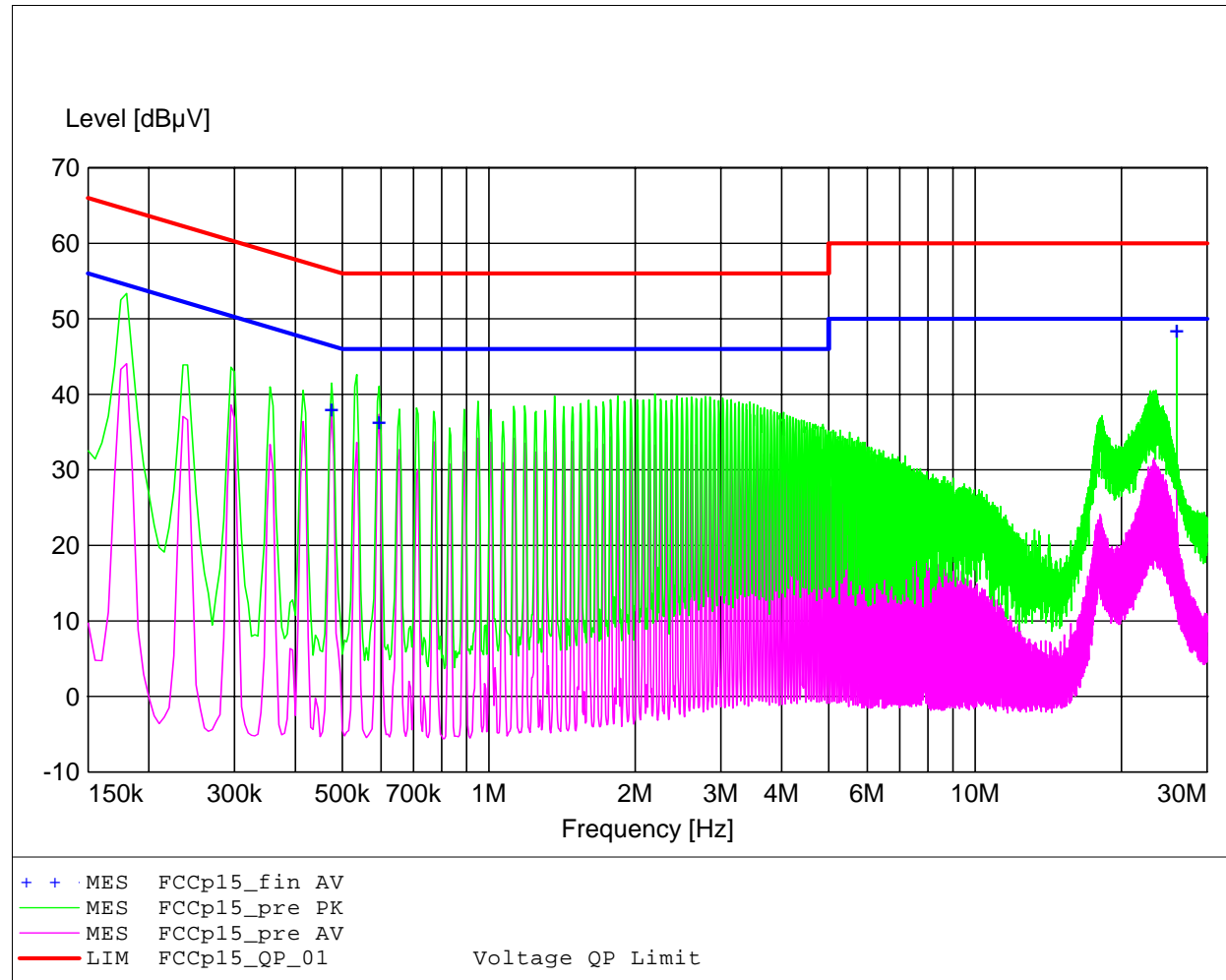


Annex G

AC power line conducted emissions

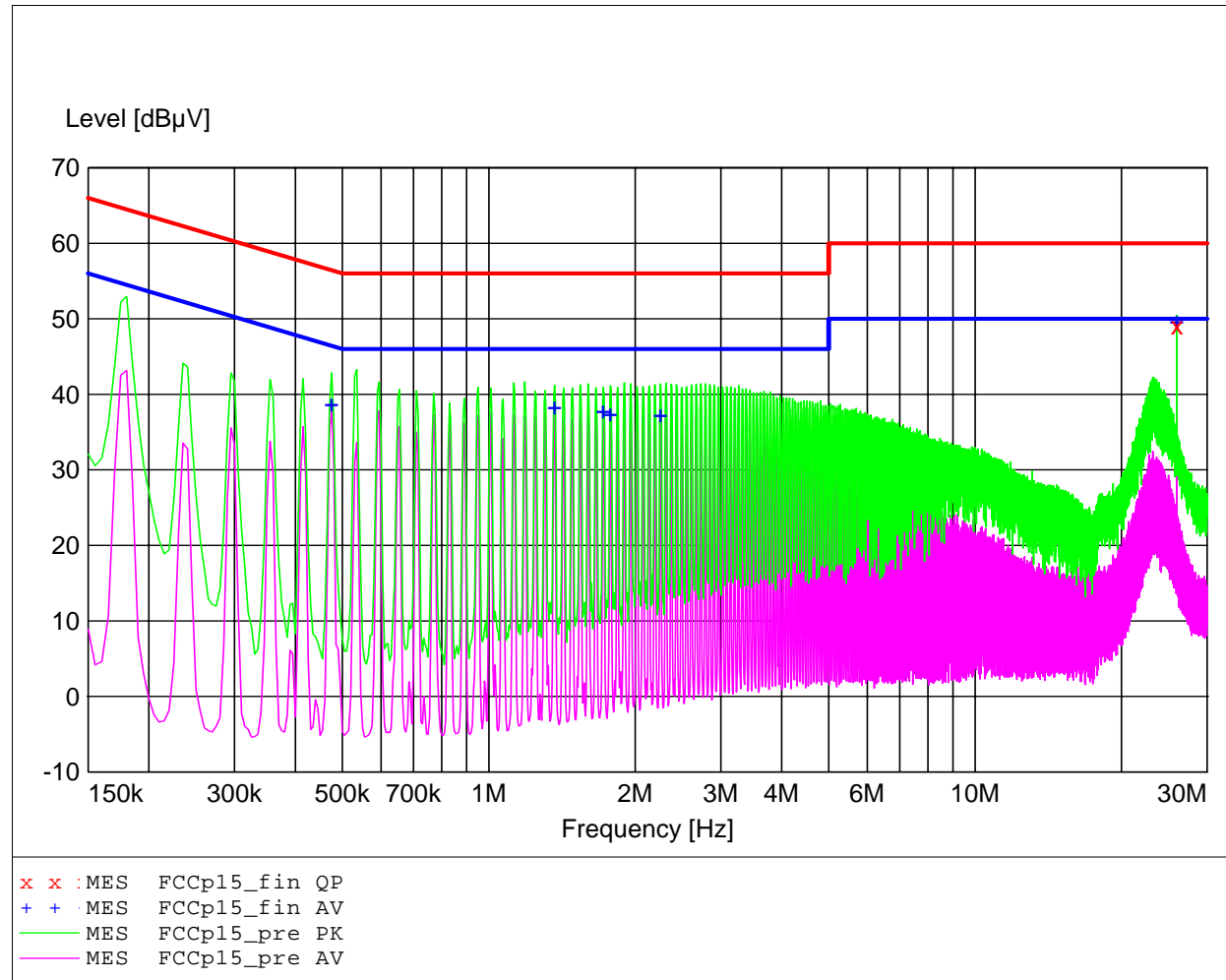
EMI voltage test in the ac-mains according to FCC part 15

EUT: Mobile Panel 277 I WLAN
Manufacturer: Siemens AG A&D SE RD 51
Operating Condition: Unom: 120 VAC (AC/DC adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: 6AV6645-0DC01-0AX0
mode: charging



EMI voltage test in the ac-mains according to FCC part 15

EUT: Mobile Panel 277 I WLAN
Manufacturer: Siemens AG A&D SE RD 51
Operating Condition: Unom: 120 VAC (AC/DC adaptor), Tnom: 23°C
Test Site: ETS
Operator: Mr. Marquardt
Test Specification: V-Network: ESH2-Z5 (N/L1)
Comment: model: 6AV6645-0DC01-0AX0
mode: charging



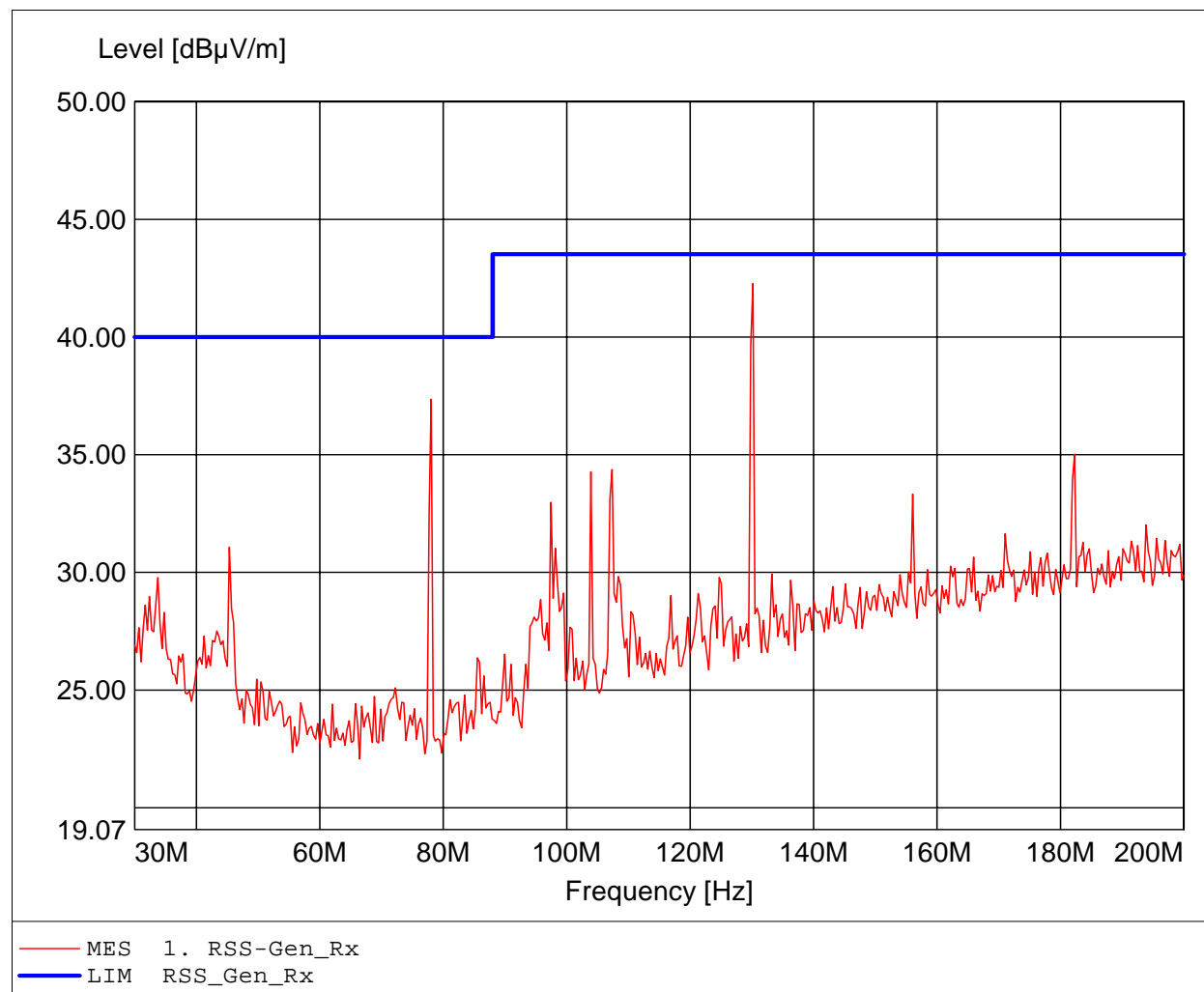
Annex H

Receiver radiated emissions

Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

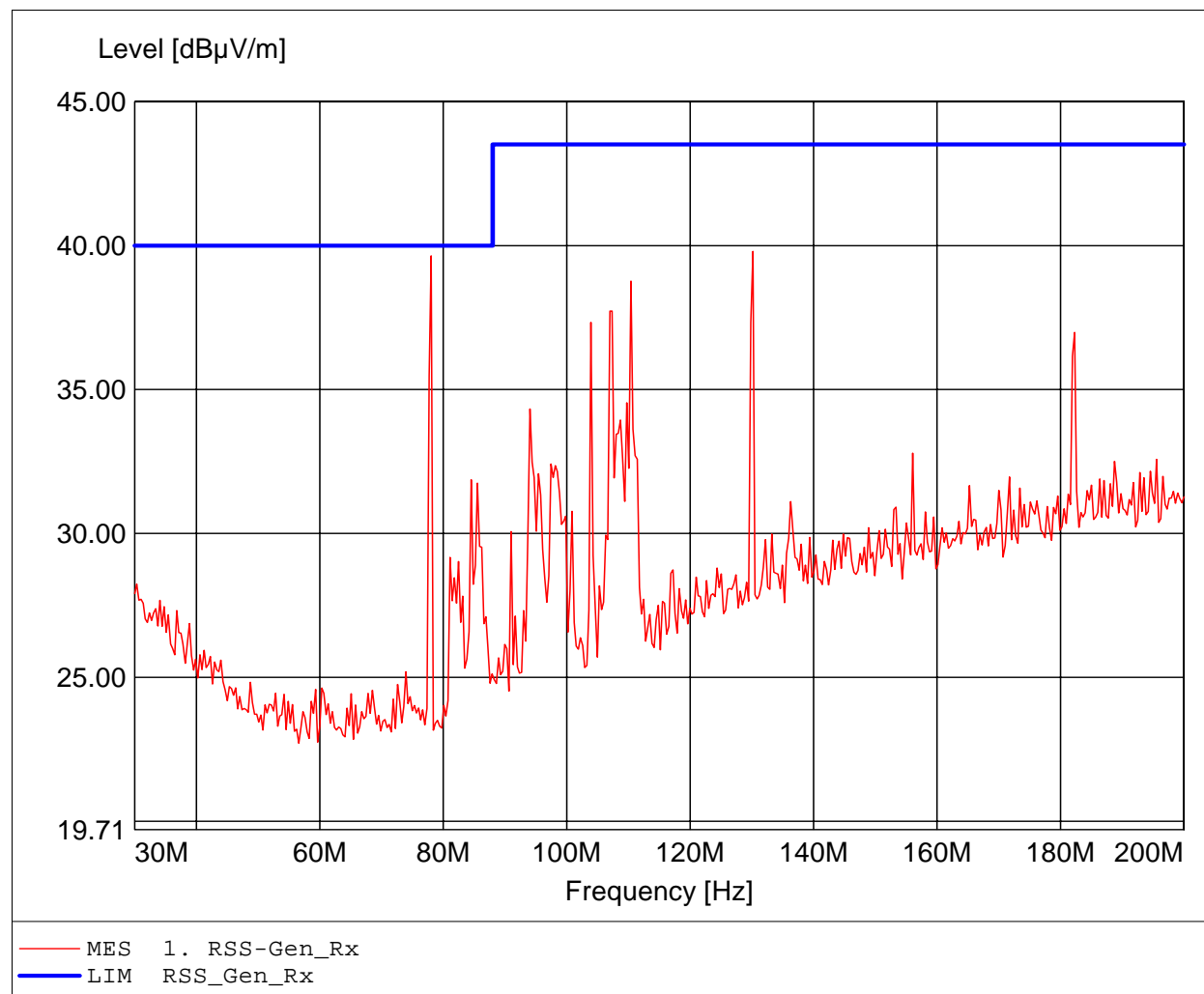
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:130.160MHz Emax:42.28dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

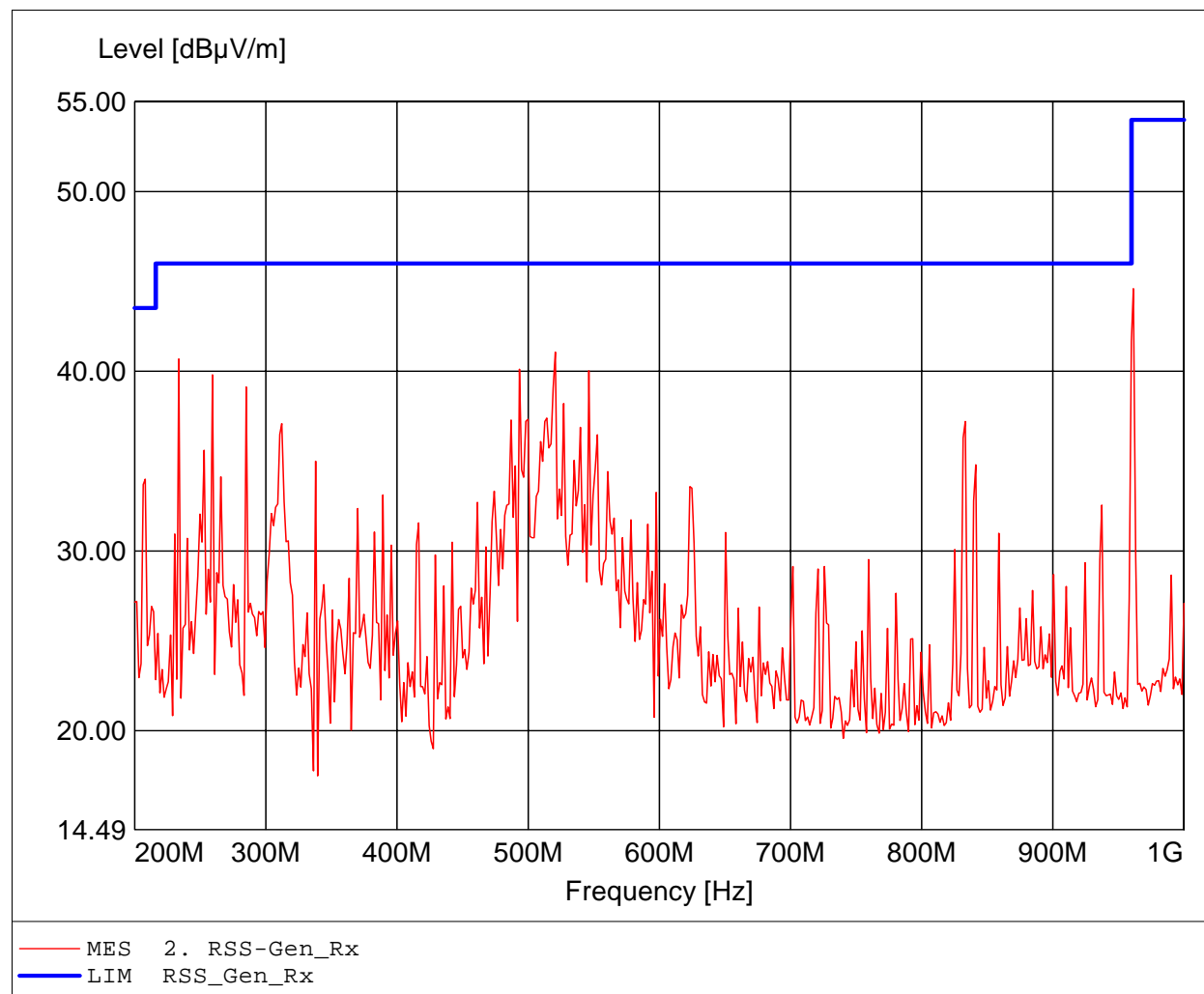
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq:130.160MHz Emax:39.80dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

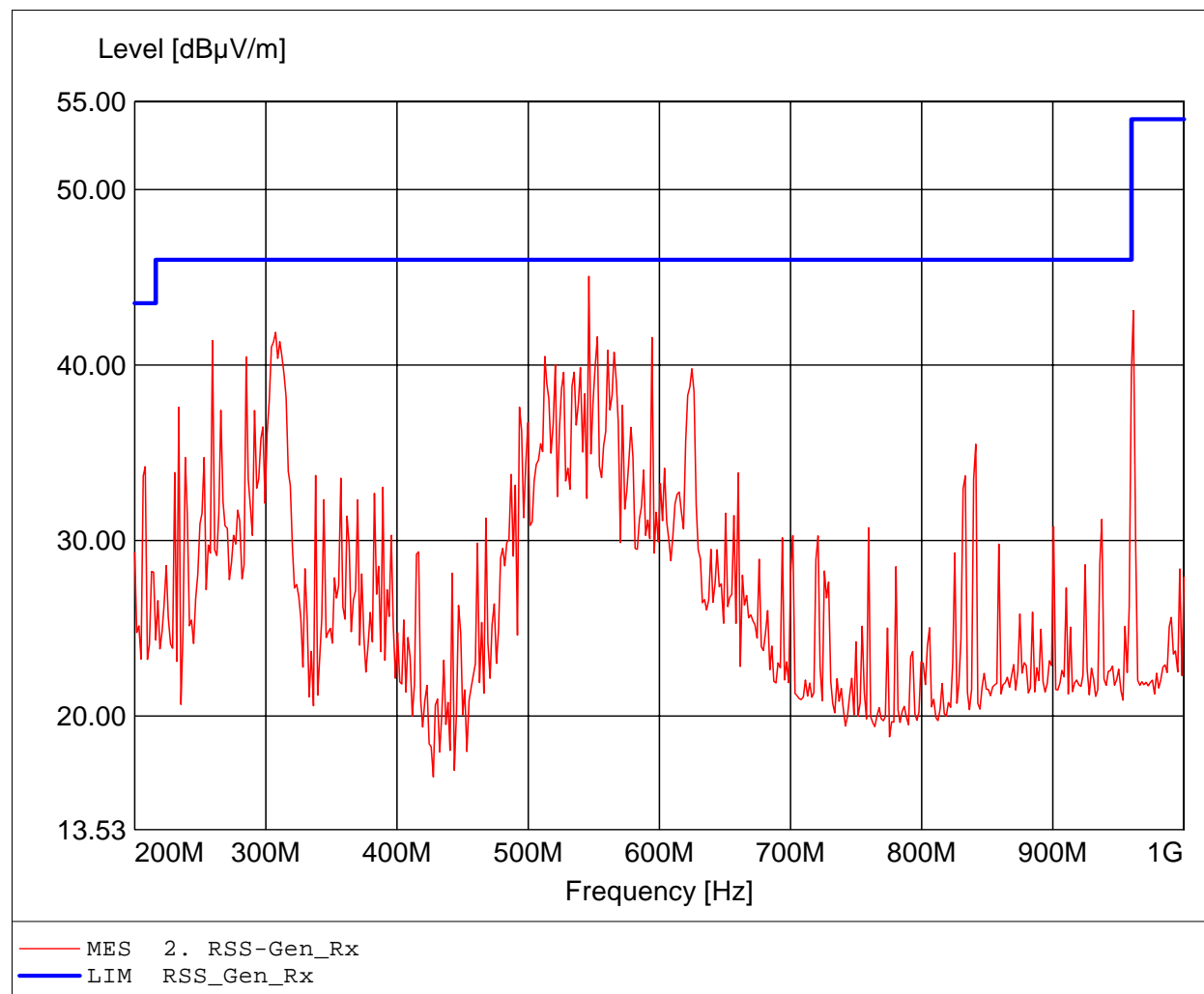
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:961.523MHz Emax:44.60dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

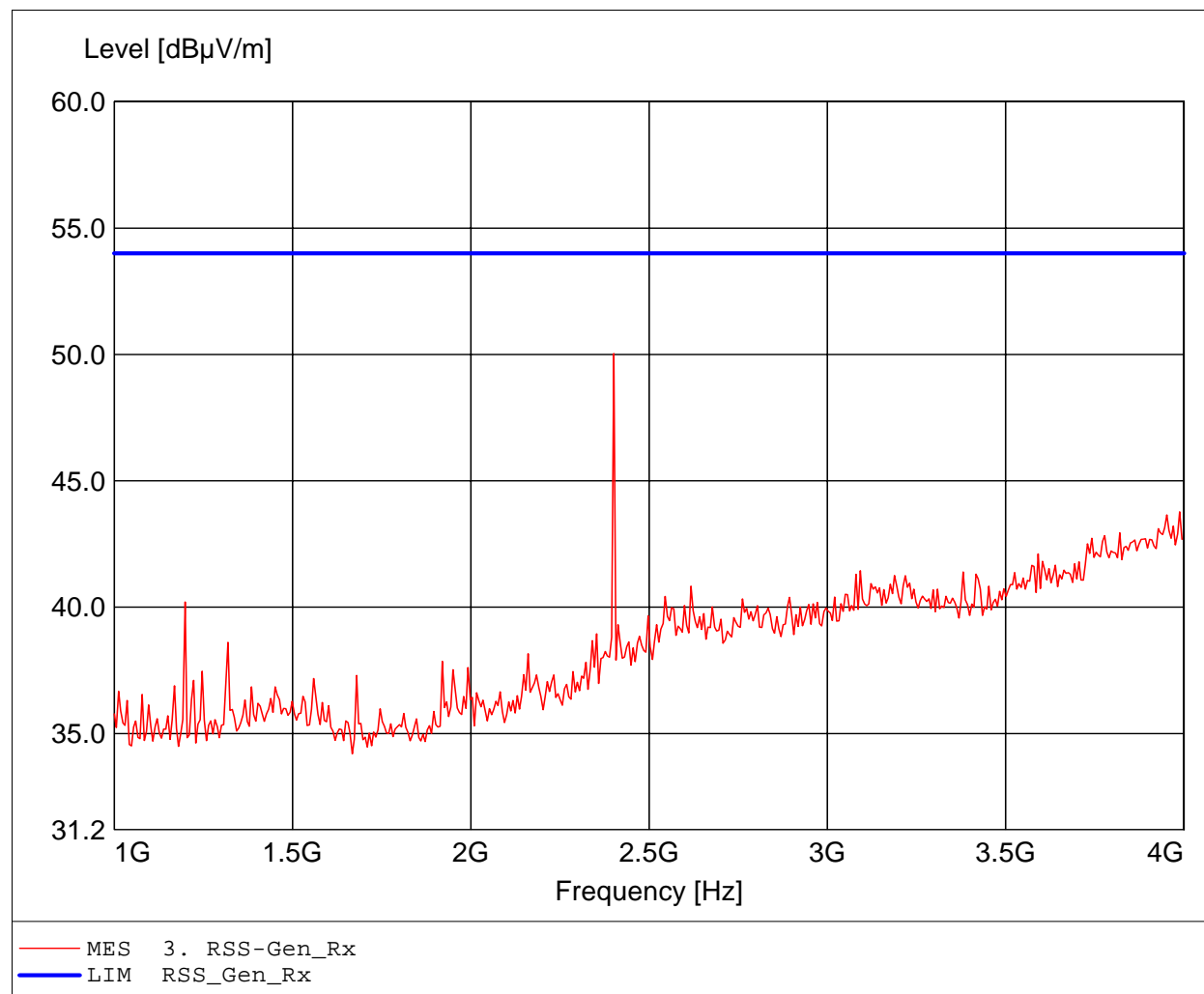
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:546.293MHz Emax:45.06dBuV/m RBW: 100 kHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

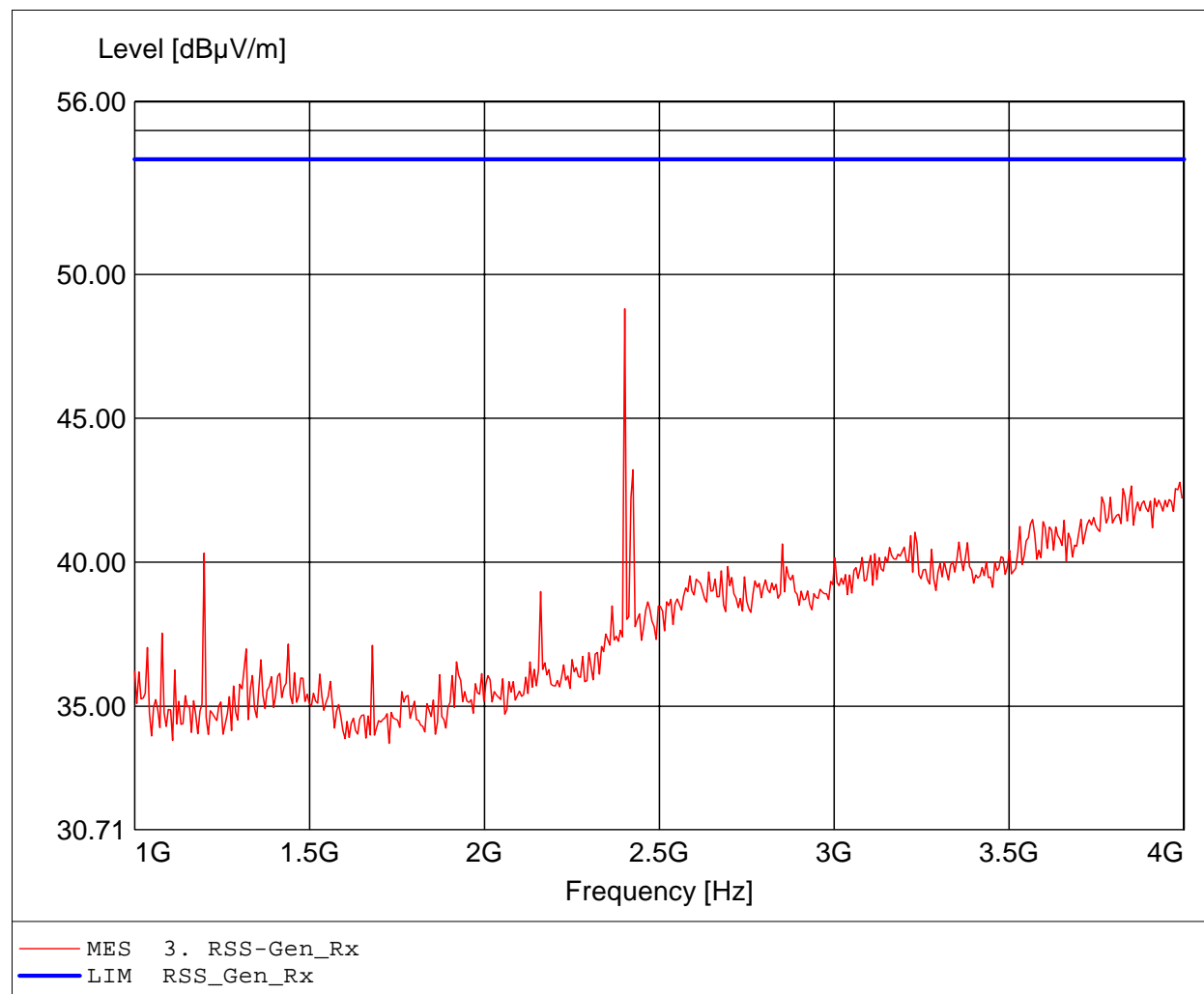
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:2.401GHz Emax:50.04dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

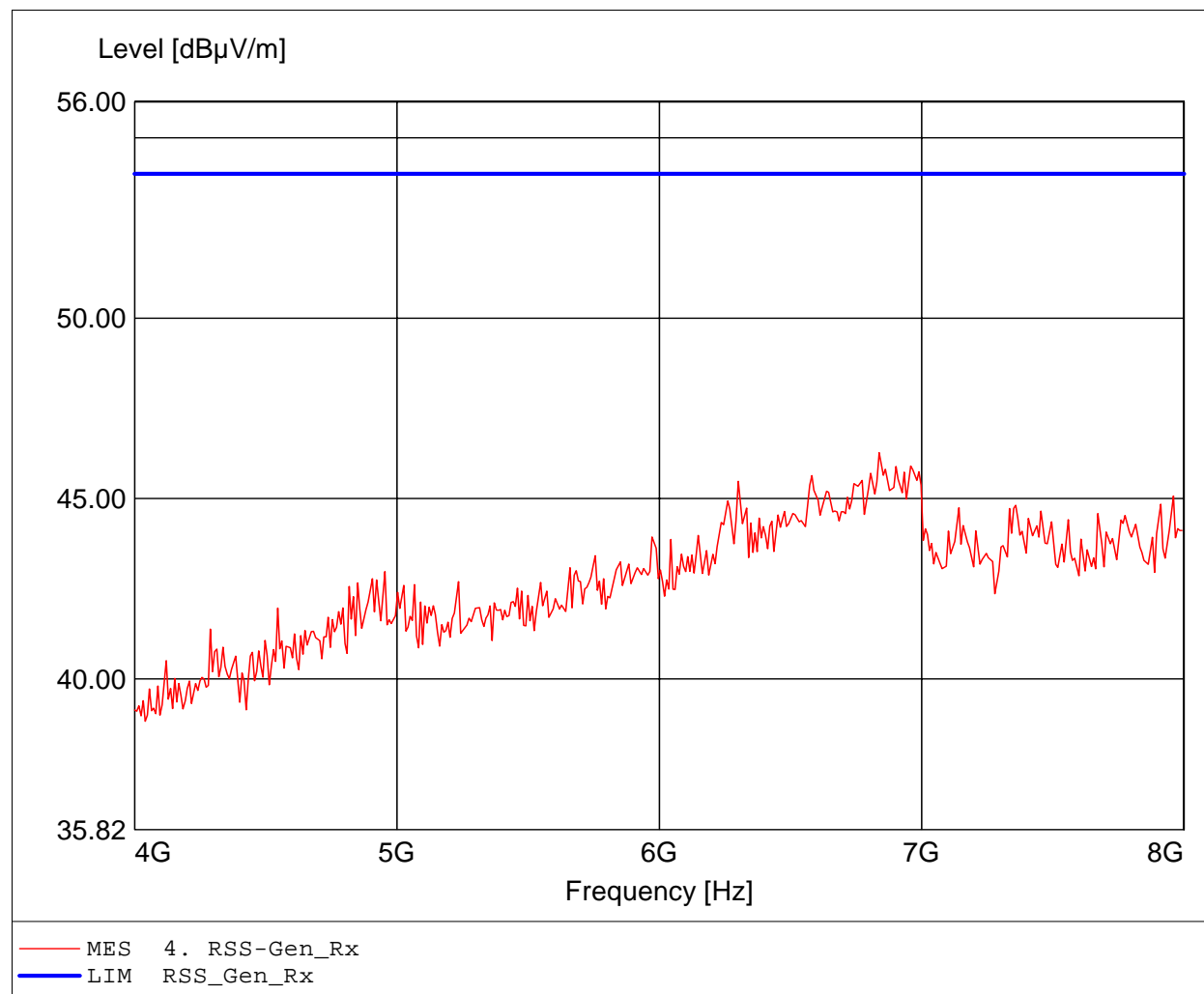
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:2.401GHz Emax:48.81dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

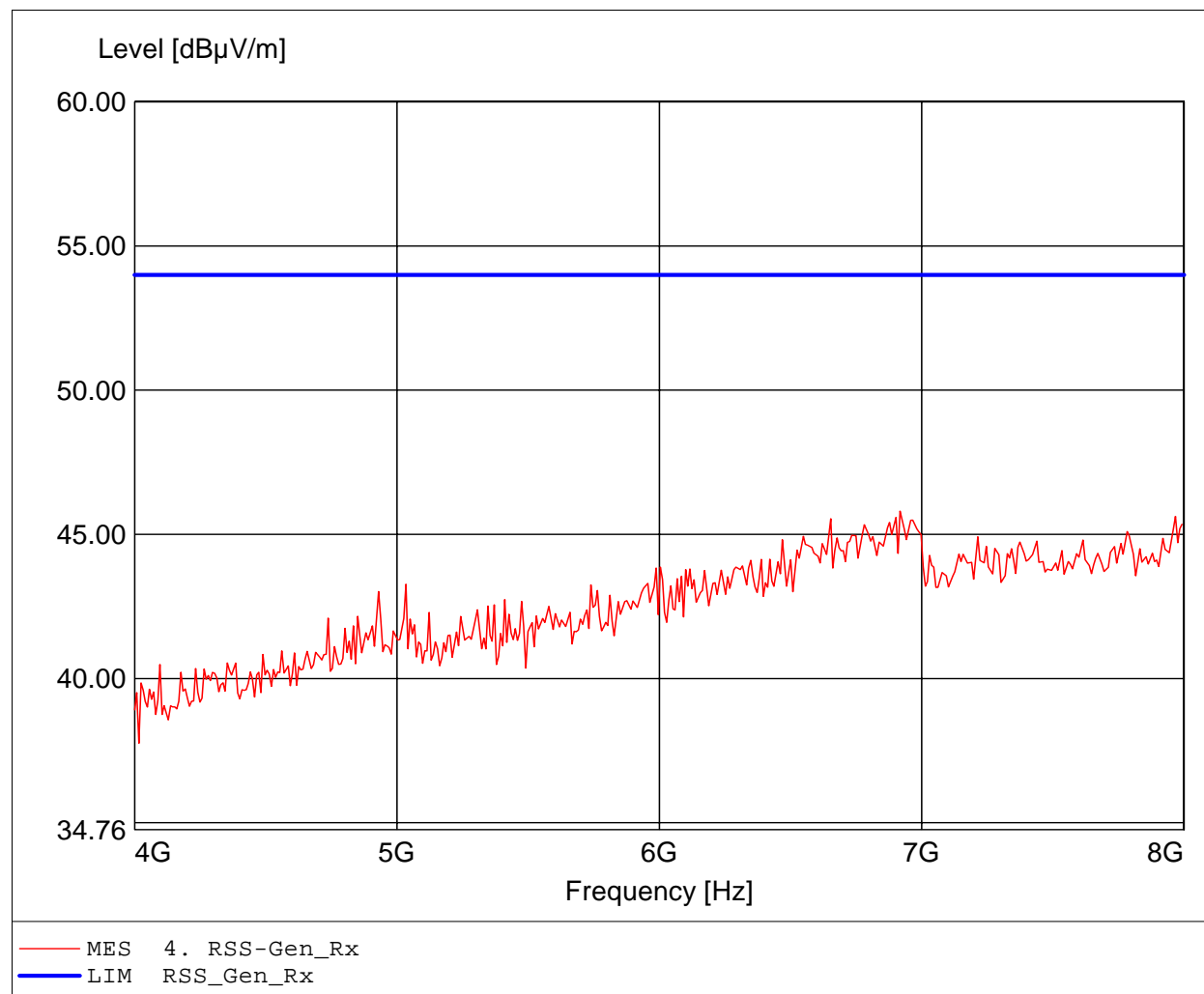
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:6.838GHz Emax:46.27dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

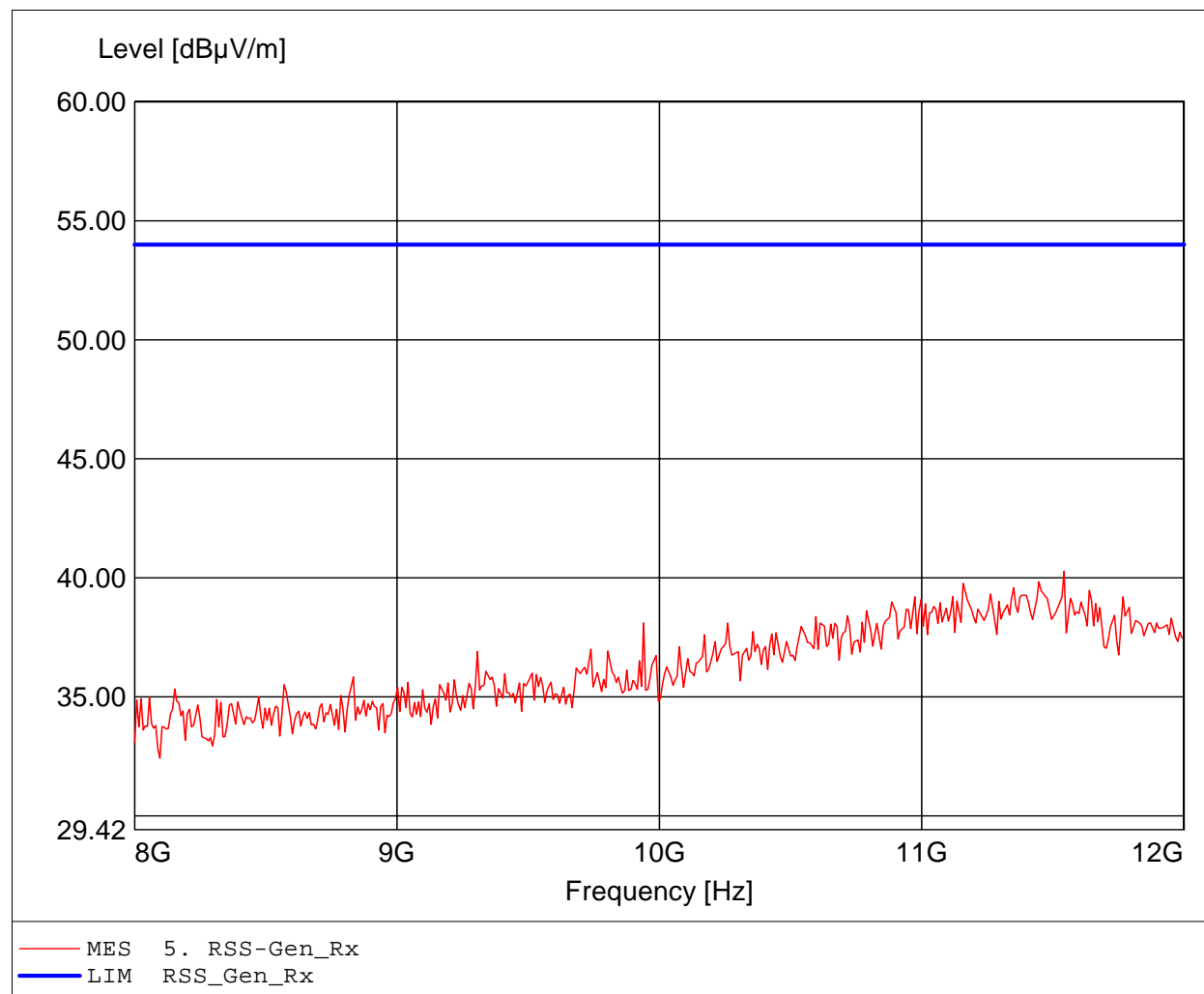
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:6.918GHz Emax:45.81dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

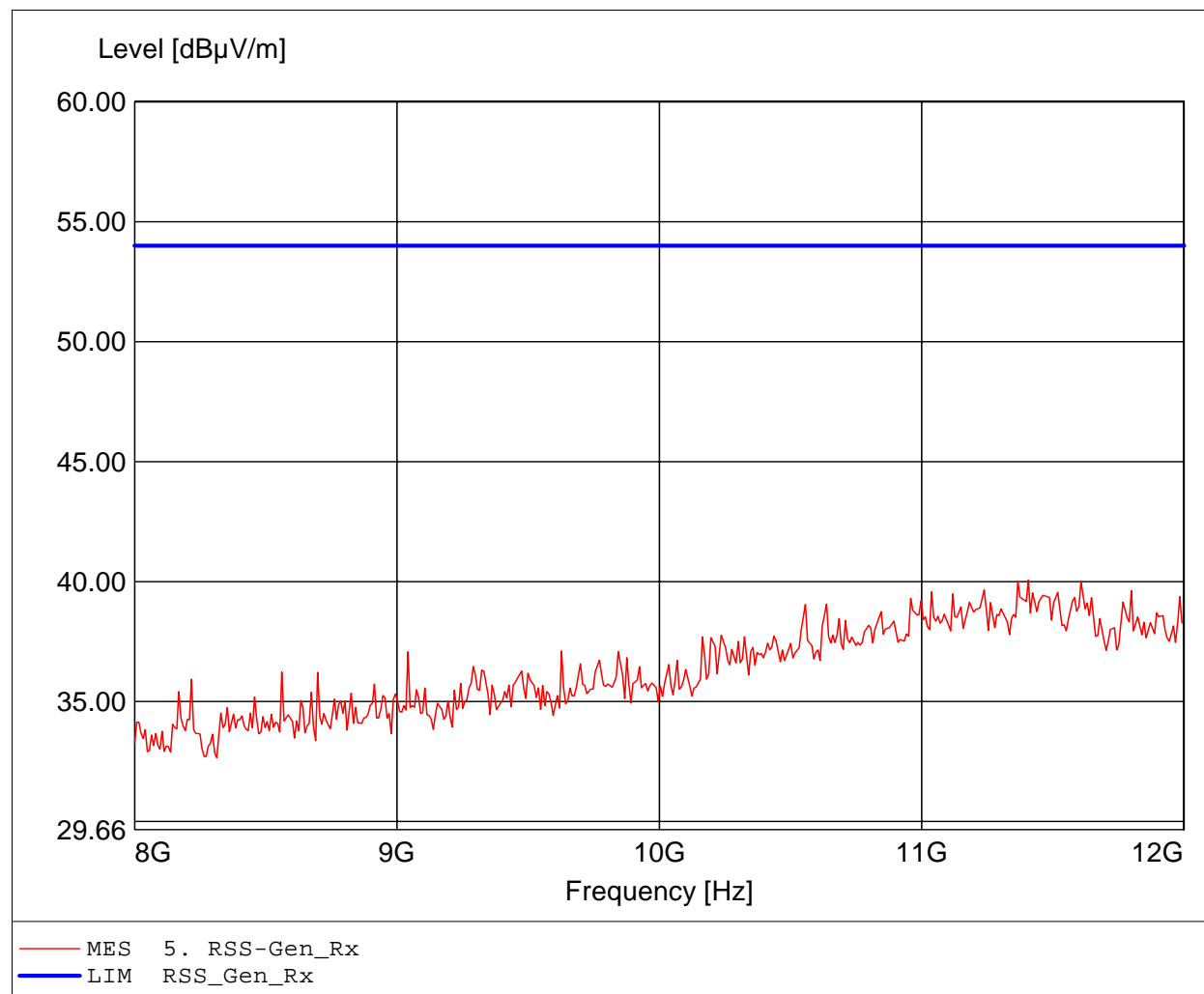
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:11.543GHz Emax:40.28dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

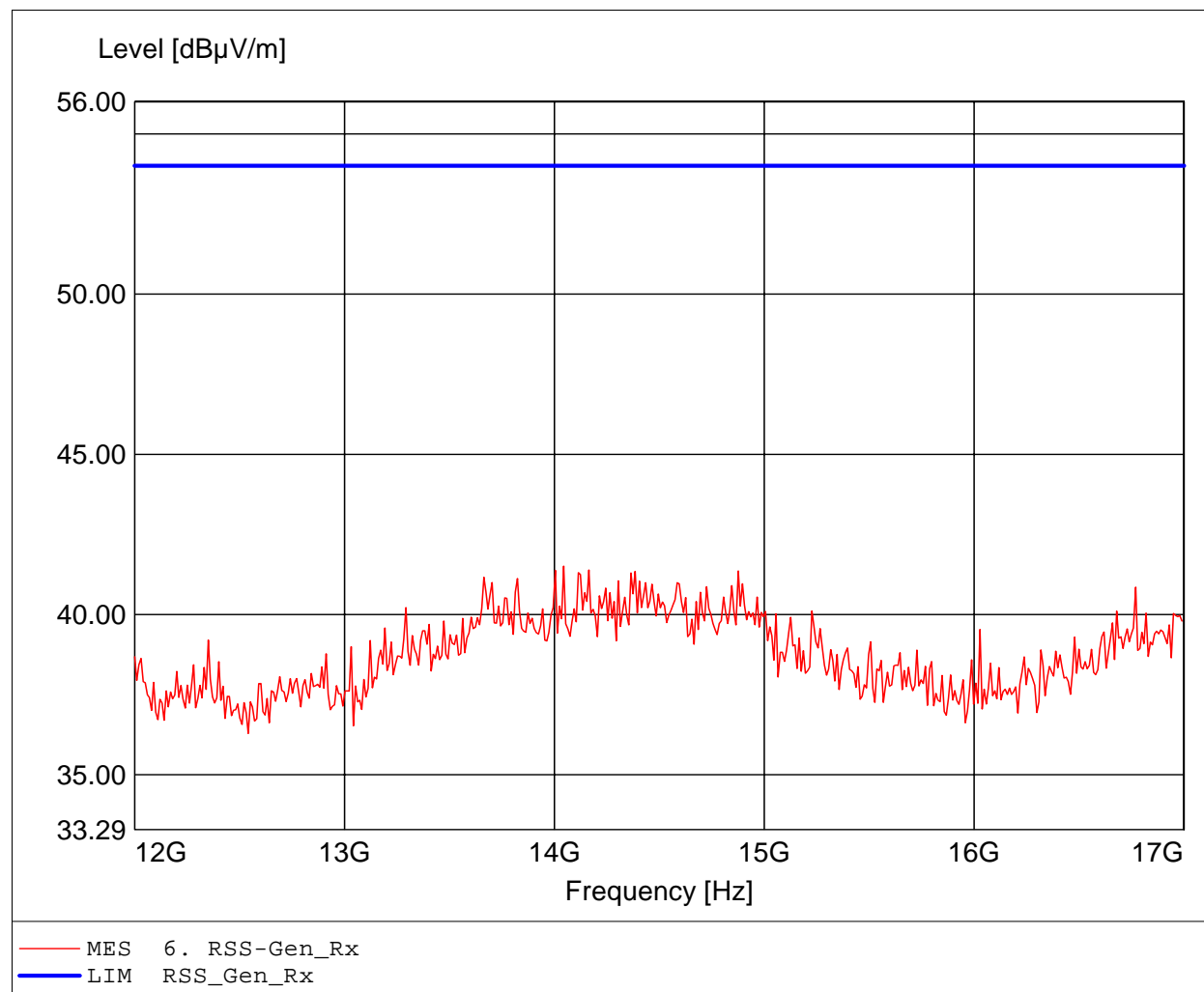
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:11.407GHz Emax:40.06dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

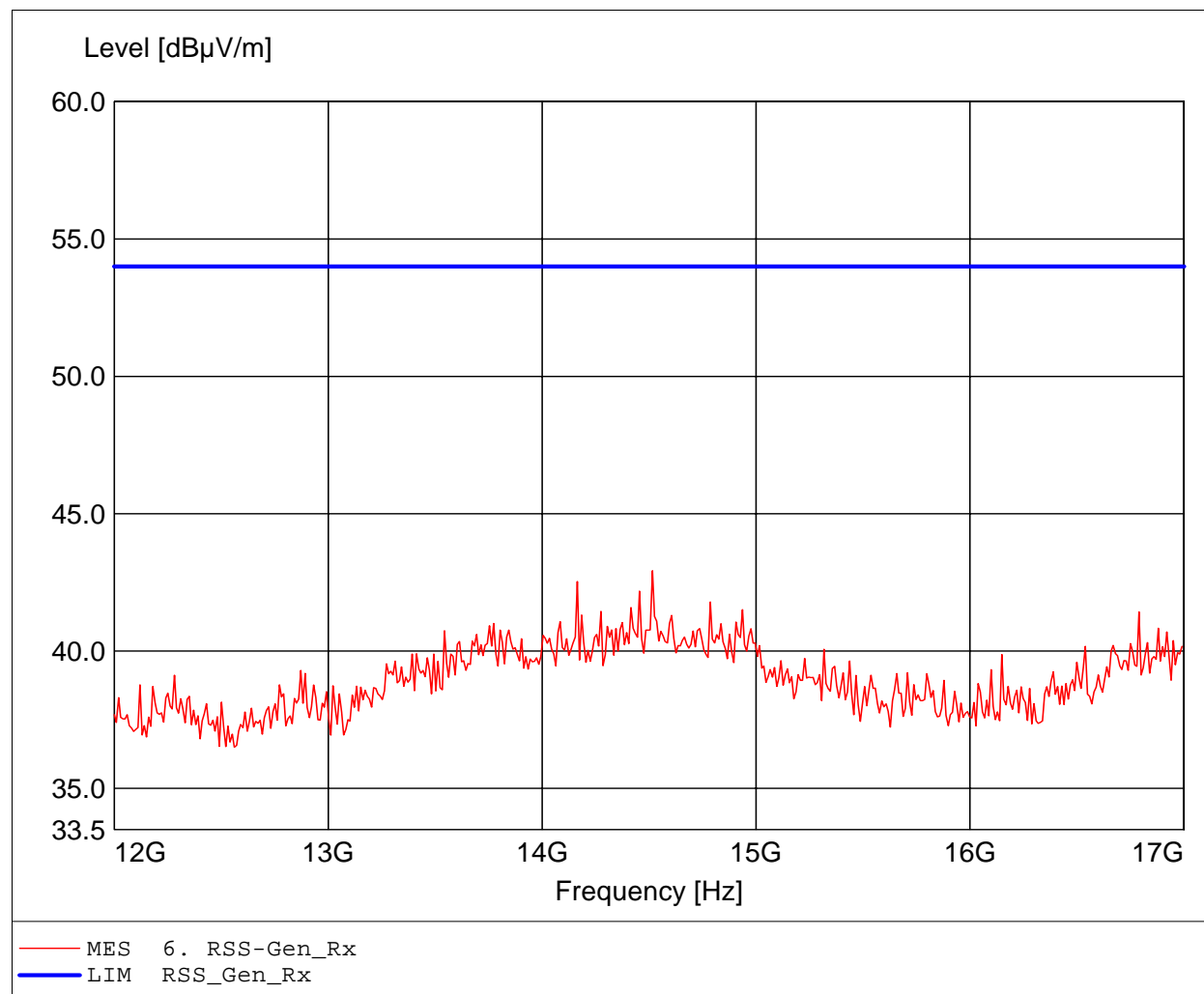
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:14.044GHz Emax:41.51dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

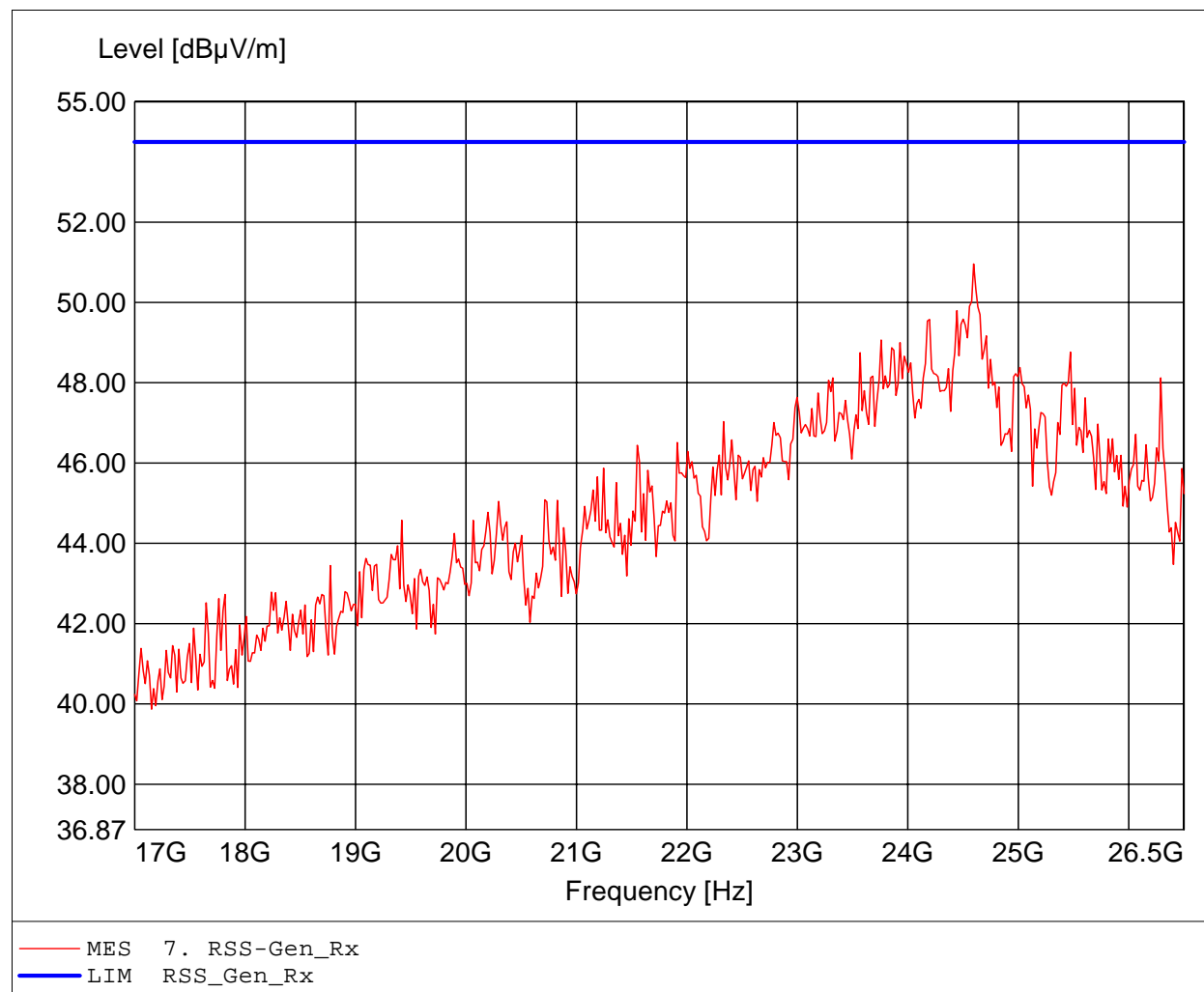
Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.
Comment 2: Freq:14.515GHz Emax:42.92dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:24.596GHz Emax:50.96dBuV/m RBW: 1 MHz



Field Strength under normal conditions

Standards Industry Canada, RSS-GEN

Approval Holder: Siemens AG A&D SE RD 51
EUT: Mobile Panel
Model: Mobile Pannel 277 IWLAN / 802.11a / 5500 MHz
Test Site / Operator: ETS / Mr. Meng
Test Condition: 25°C / Unom: 12 V DC (AC/DC-adaptor)
Test Specification: according to RSS-Gen Issue 1
Comment 1: Dist.: 3m, Ant.: HL025, ampl.
Comment 2: Freq:24.577GHz Emax:51.35dBuV/m RBW: 1 MHz

