

TEST REPORT
of the accredited test laboratory

TÜV Nr.:M/FG-12/132

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Division:
Medical Technology/
Communication
Technology/ EMC

Department:
Testing Body for
Communication
Technology/ EMC

TÜV®

Applicant: X6D Limited
199 Arch. Makariou III
CY-3030 Limassol
Cyprus

Tested Product: wireless 3D glasses

FCC-ID: AOH-X105RF

IC-ID: 10564A-X105RF

Manufacturer: Balda Solutions Malaysia Sdn Bhd
Malaysia

Output power / field strength: 0,2 mW eirp **power supply:** 3,7 VDC

Frequency range: 2402 - 2480 MHz **Channel separation:** 1 MHz

Standard: FCC: 47 CFR Part 15 (October 1, 2011 edition)
RSS-210 Issue 8, December 2010



Testing Laboratory,
Inspection Body,
Certification Body,
Calibration Laboratory

Notified Body 0408
IC 2932K-1

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DVR 3002476

TUV Austria Services GmbH
Test laboratory for EMC

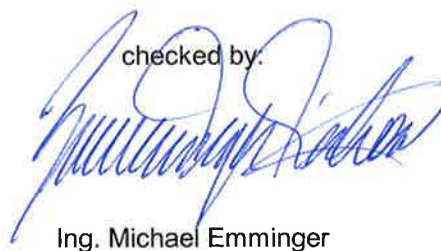
Supervisor of EMC-laboratory:


Ing. Wilhelm Seier



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checked by:


Ing. Michael Emminger

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The results of this test report only refer to the provided equipment.

LIST OF MEASUREMENTS

The complete list of measurements called for in 47 CFR 15 and RSS-210 is given below.

SUBCLAUSE	PARAMETER TO BE MEASURED	PAGE
	Intentional Radiators	
	Test object data	3
15.247(a)(1) A8.1 (b) (d)	Number of channels and channel spacing	4
15.247(a)(1) A8.1 (a)	20 dB Bandwidth	5-7
15.247(b)(1) A8.4 (2)	Maximum Peak RF Power Output (eirp)	8
15.247(a)(1)(iii) A8.1 (d)	Average time of occupancy	9-14
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TEST OBJECT DATA

General EUT Description

This frequency hopping device will be used for the reception of control-signals generated by a wireless emitter for synchronization of the 3D glasses with a 3D screen. It is not only a receiver, but it has the capability for a two-way communication with the wireless emitter. It has no antenna connector, so all technical data were measured radiated.

2.1033 (c) Technical description

2.1033 (4) Type of emission: 812KF1D – Channel bandwidth < 1MHz – Channel spacing 1 MHz.

2.1033 (5) Frequency range: 2402 to 2433 and 2439 to 2480 MHz (channel center frequencies).

2.1033 (6) Power range and Controls: The maximum peak output power is 79,4 μ W and there is no power regulation.

2.1033 (7) Maximum output power rating: 79,4 μ W eirp.

2.1033 (8) DC Voltage and Current: 3,7 V internal battery (5V external for charging only)
maximum current consumption: 30 mA (70mA charging current)

RSS-135 This standard does not apply to:

- 1.1.(a) a receiver that scans radio frequencies for the purpose of enabling its associated transmitter to avoid transmitting in an occupied frequency but which does not have the capability of decoding the message (e.g. converting it to audio voice) contained in the radio signal

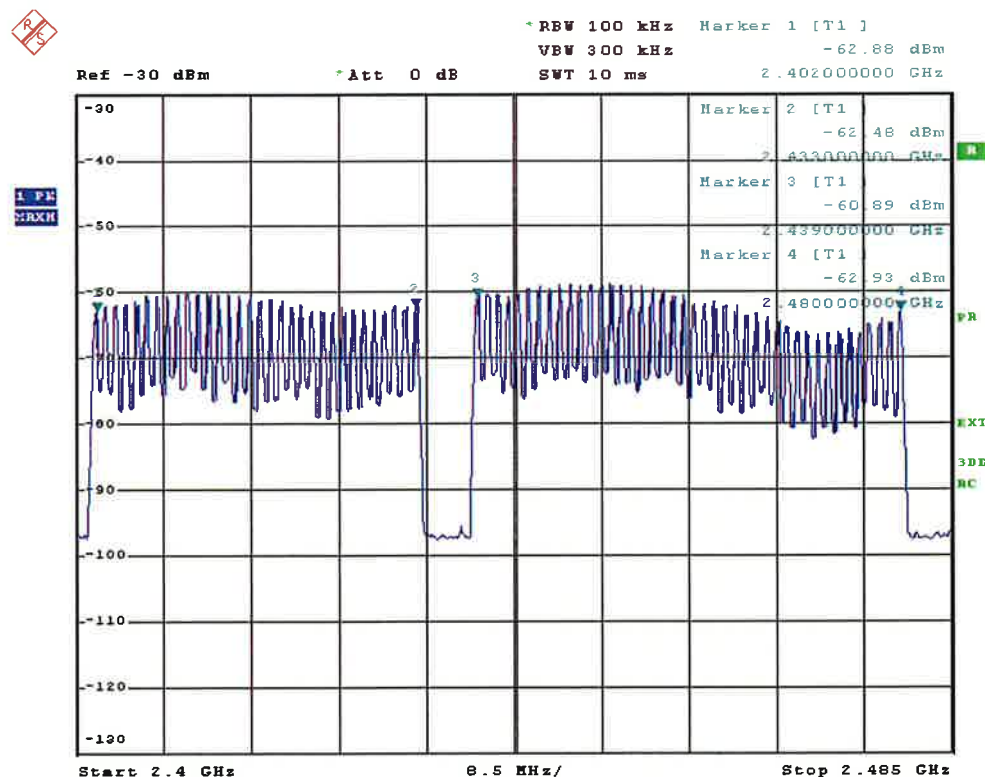
Tests were performed 2nd August 2012.

Number of channels and channel spacing

§ 15.247 (a) (1)
A 8.1 (b) (d)

Radiated Measurement

Rated output power: 79,4 µW



Date: 2.AUG.2012 11:07:07

There are 74 Channels used starting at 2402 till 2433 and 2439 till 2480 each spaced by 1 MHz channel spacing.

LIMIT SUBCLAUSE 15.247(a) (1) – A8.1(a)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

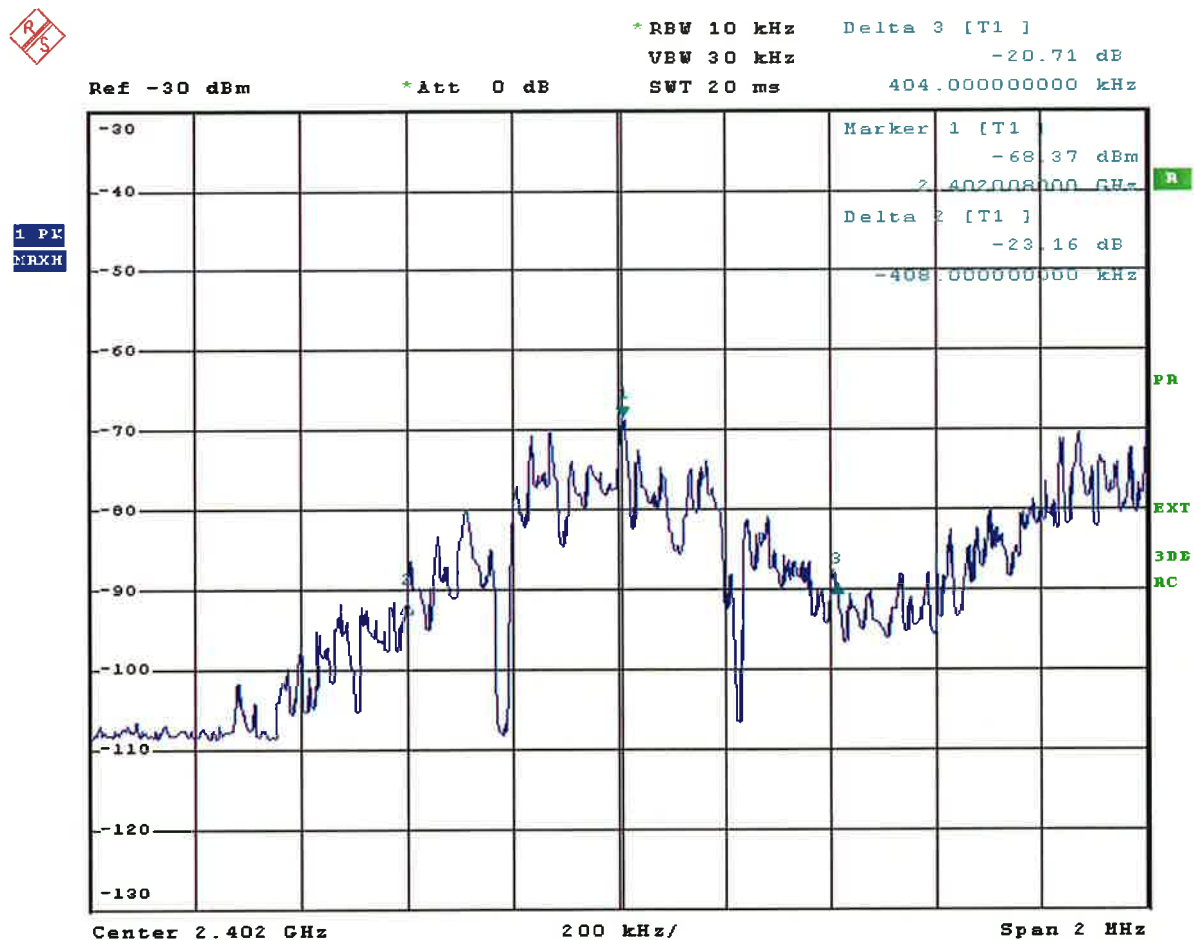
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

20dB Bandwidth

§ 15.247 (a) (1)
A8.1 (a)

Radiated Measurement

Rated output power: 79,4 µW 2402 MHz



Date: 2.AUG.2012 11:43:47

20dB Bandwidth: 812 kHz

LIMIT SUBCLAUSE 15.247(a) (1) – A8.1(a)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

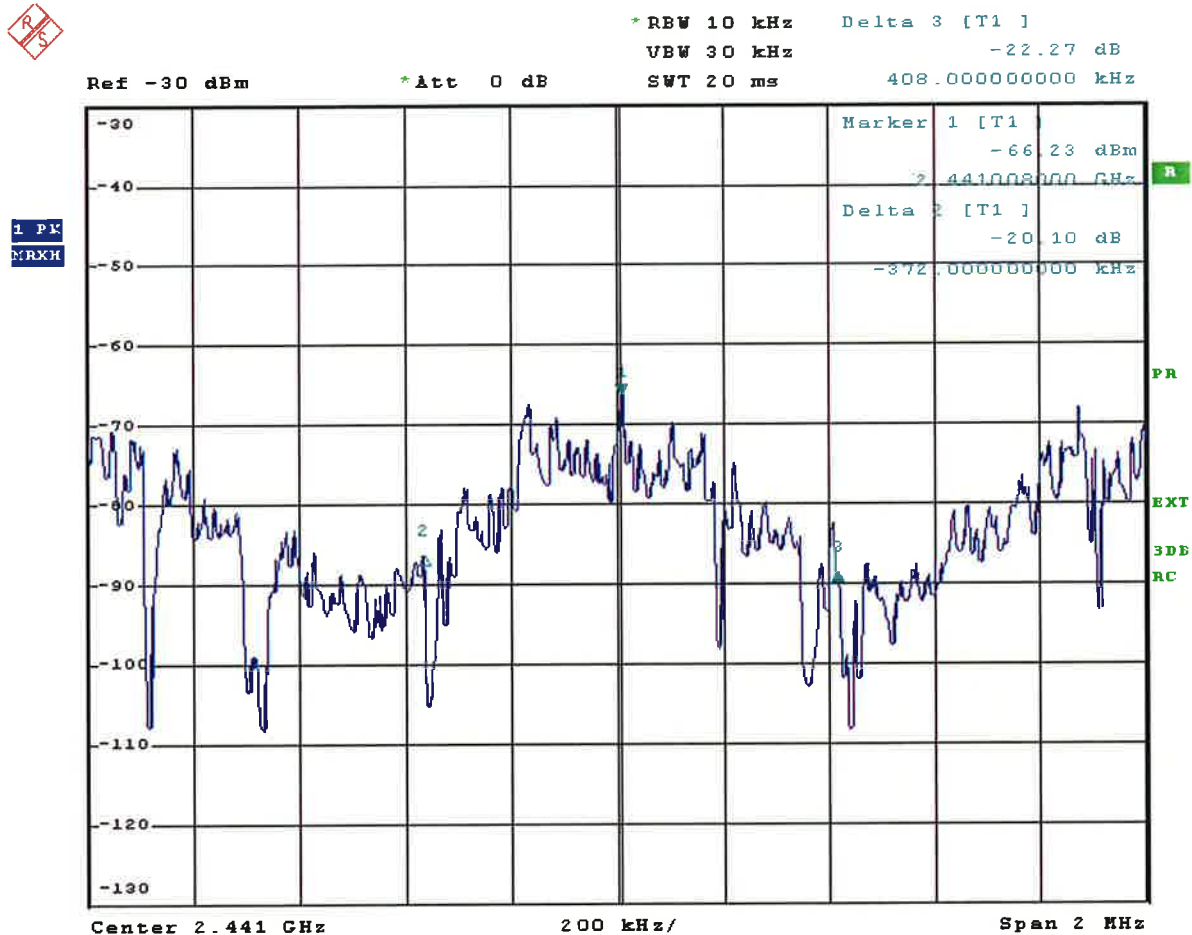
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

20dB Bandwidth

§ 15.247 (a) (1)
A8.1 (a)

Radiated Measurement

Rated output power: 79,4 µW 2441 MHz



Date: 2.AUG.2012 12:06:08

20dB Bandwidth: 780 kHz

LIMIT SUBCLAUSE 15.247(a) (1) – A8.1(a)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

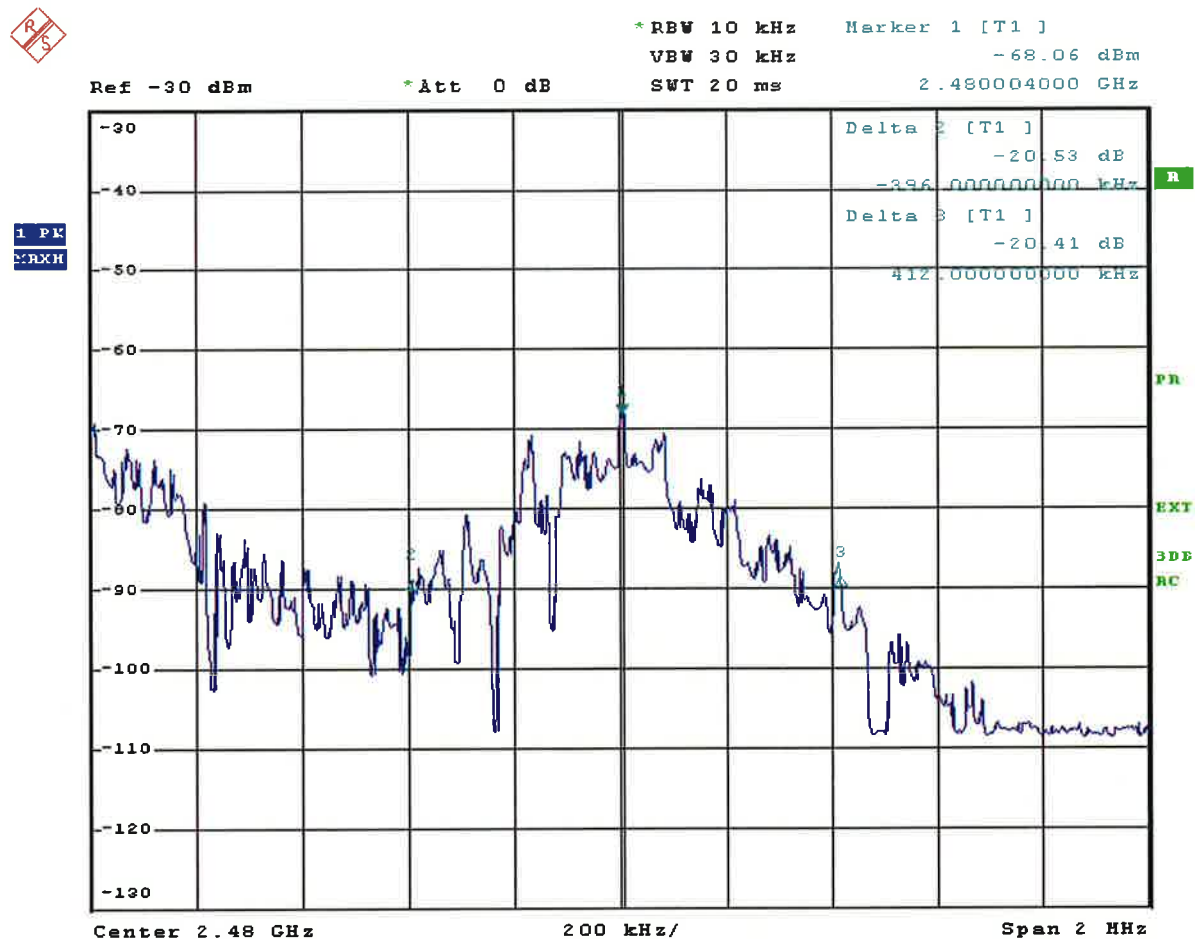
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

20dB Bandwidth

§ 15.247 (a) (1)
A8.1 (a)

Radiated Measurement

Rated output power: 79,4 µW 2480 MHz



Date: 2.AUG.2012 12:37:02

20dB Bandwidth: 808 kHz

LIMIT SUBCLAUSE 15.247(a) (1) – A8.1(a)

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Maximum Peak RF Power Output (EIRP)

**§ 15.247(b)(1)
A8.4(2)**

Radiated Measurement

Rated output power: 79,4 µW

Test conditions		Transmitter power (µW) (eirp)		
		2402 MHz	2441 MHz	2480 MHz
T _{nom} (25)°C	V _{nom} (3,7) V	56,2	79,4	39,8
Maximum deviation from rated output power under normal test conditions (dB)		-1,5	0	-3,0
Measurement uncertainty		± 0,75 dB		

LIMIT SUBCLAUSE 15.247(b)(1) – A8.4(2)

Under normal test conditons	1W conducted (4W eirp)
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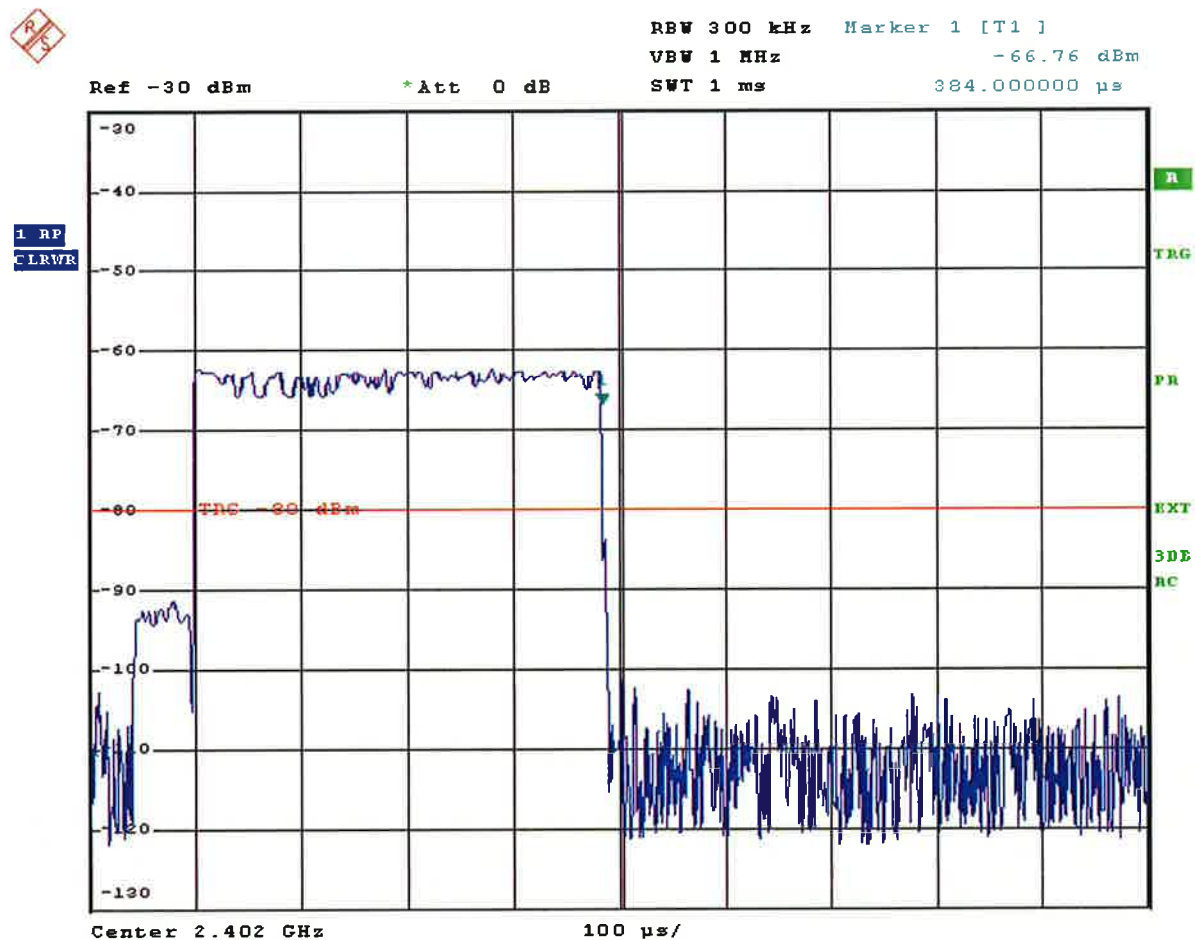
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Average Time of Occupancy

§ 15.247(a)(1)(iii)
A8.1(d)

Radiated Measurement

Rated output power: 79,4 µW 2402 MHz



Date: 2.AUG.2012 12:38:47

The dwell time is constant 384 µs.

LIMIT SUBCLAUSE 15.247(a)(1)(iii) – A8.1(d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

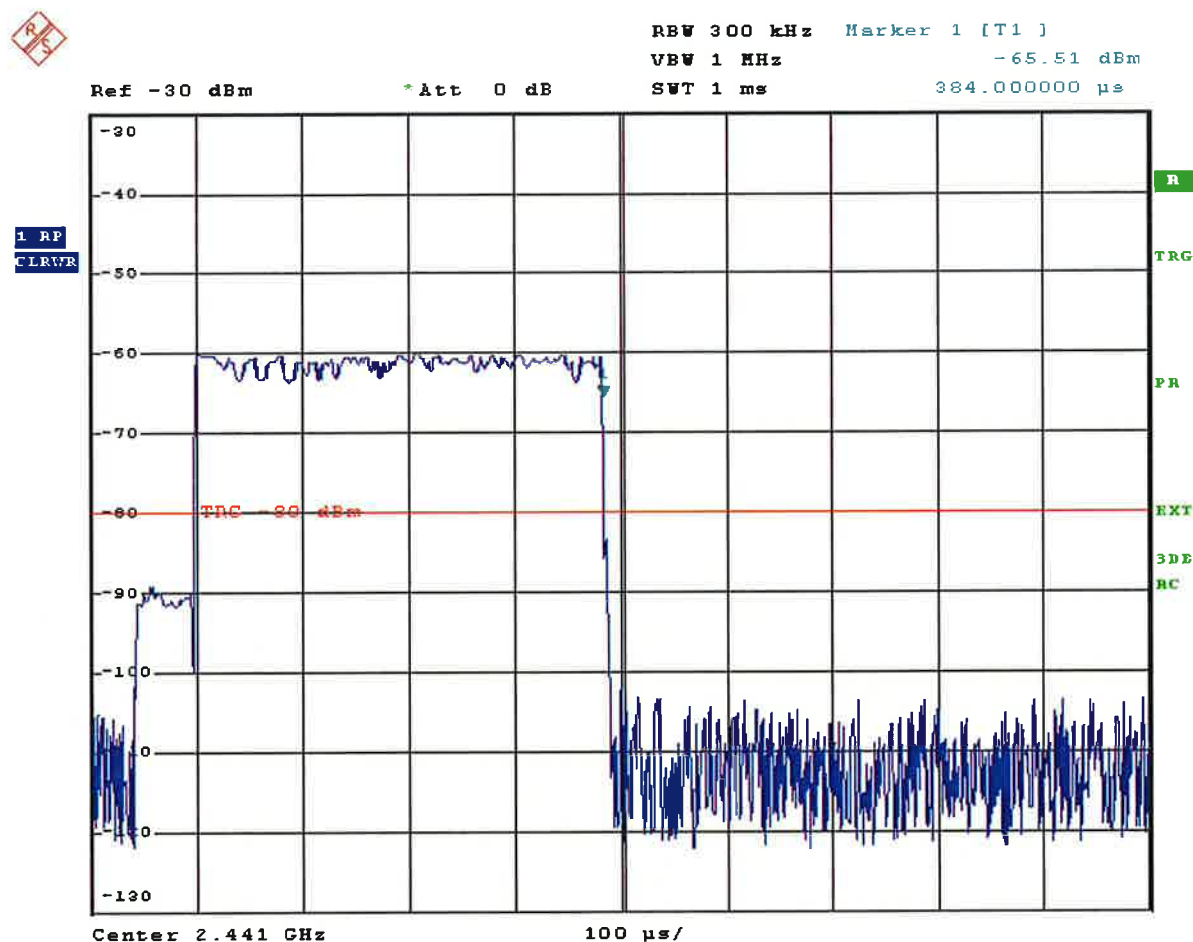
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Average Time of Occupancy

§ 15.247(a)(1)(iii)
A8.1(d)

Radiated Measurement

Rated output power: 79,4 µW 2441 MHz



Date: 2.AUG.2012 12:39:09

The dwell time is constant 384 µs.

LIMIT SUBCLAUSE 15.247(a)(1)(iii) – A8.1(d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

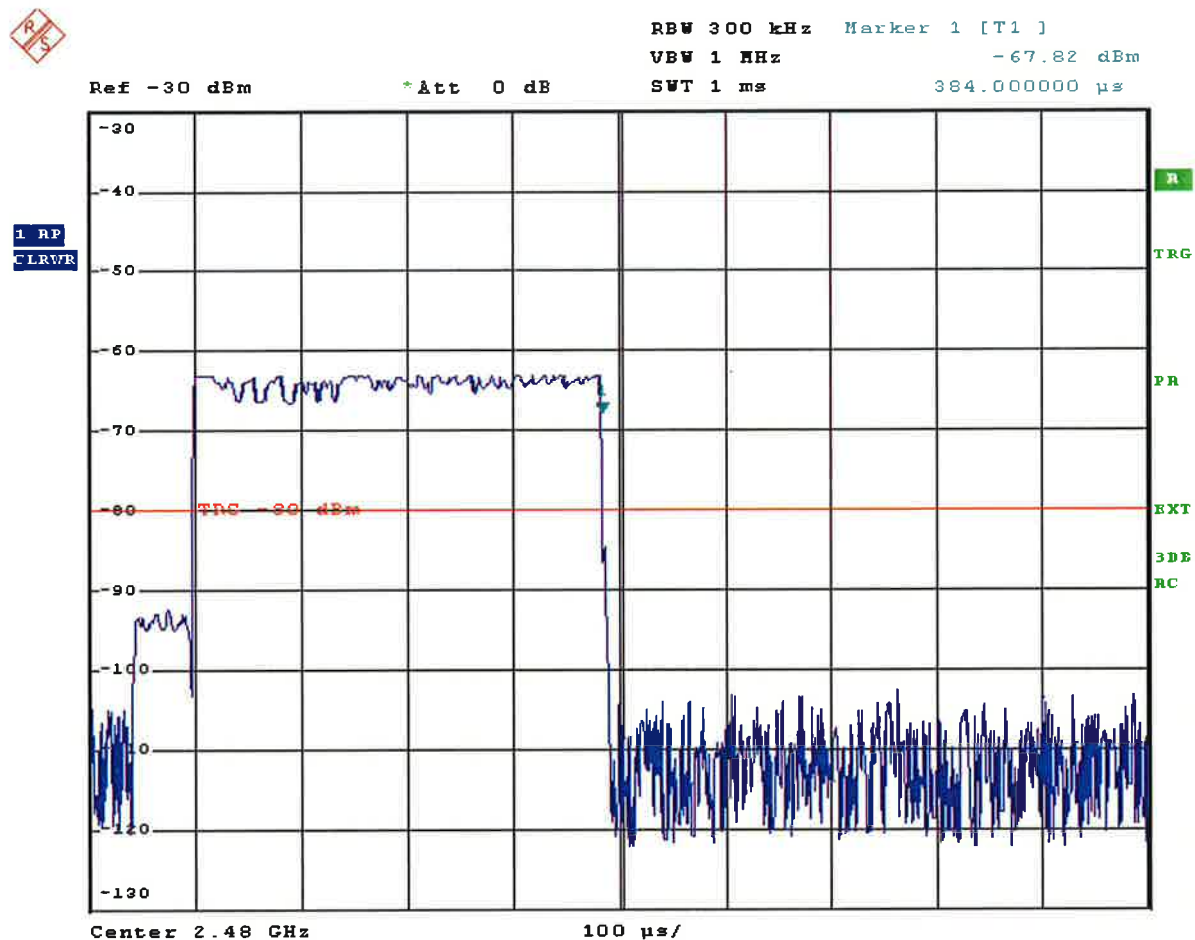
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Average Time of Occupancy

§ 15.247(a)(1)(iii)
A8.1(d)

Radiated Measurement

Rated output power: 79,4 µW 2480 MHz



Date: 2.AUG.2012 12:39:45

The dwell time is constant 384 µs.

LIMIT SUBCLAUSE 15.247(a)(1)(iii) – A8.1(d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

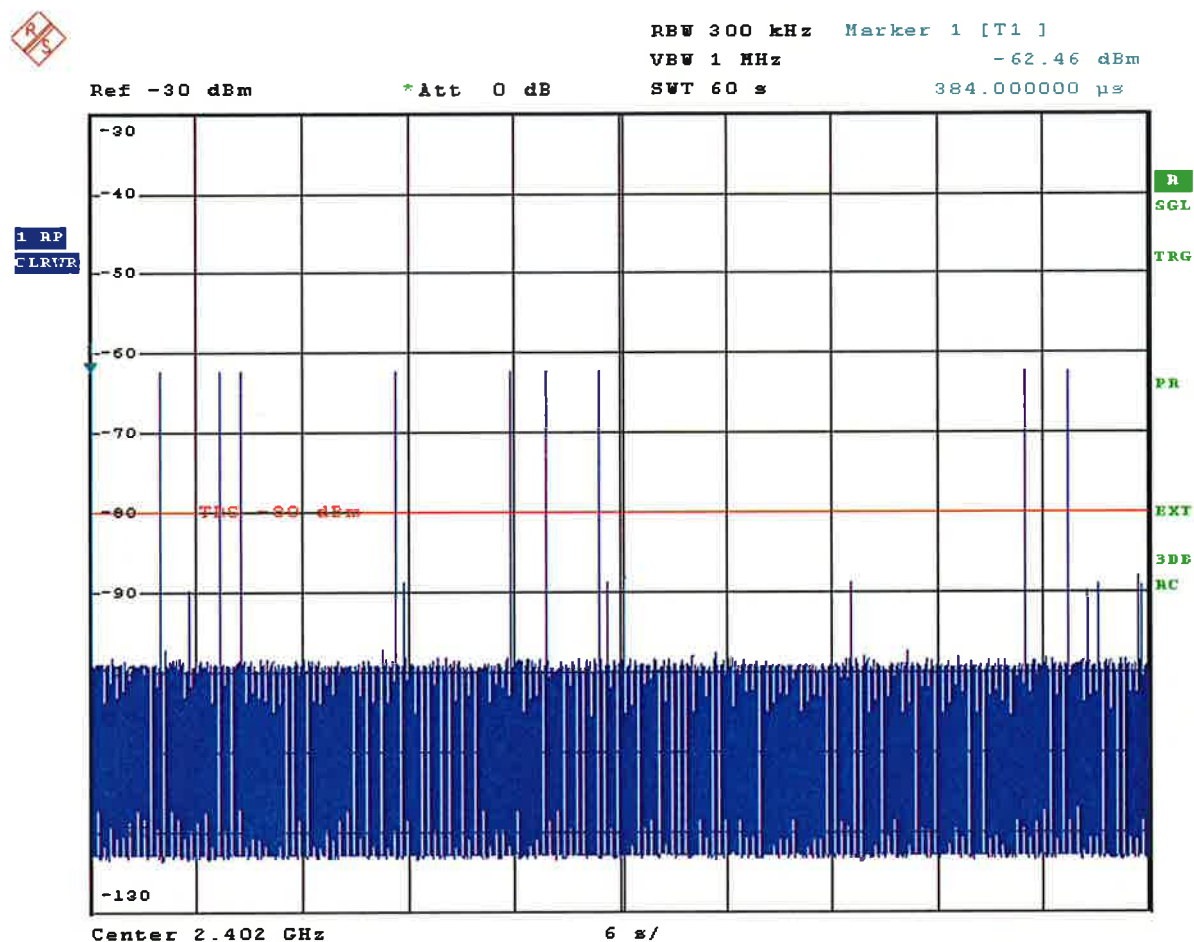
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Average Time of Occupancy

§ 15.247(a)(1)(iii)
A8.1(d)

Radiated Measurement

Rated output power: 79,4 µW 2402 MHz



Date: 2.AUG.2012 12:51:29

Given 74 hopping channels the period of 4 times the channel number multiplied with 0,4 seconds results in 118,4 seconds or nearly 2 minutes. The number of transmissions in one minute was 10, therefore in 2 minutes would be 20 transmissions. Each transmission has a dwell time of 384µs, resulting in an average occupancy of 7,68 ms which is far below 0,4 seconds.

LIMIT SUBCLAUSE 15.247(a)(1)(iii) – A8.1(d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

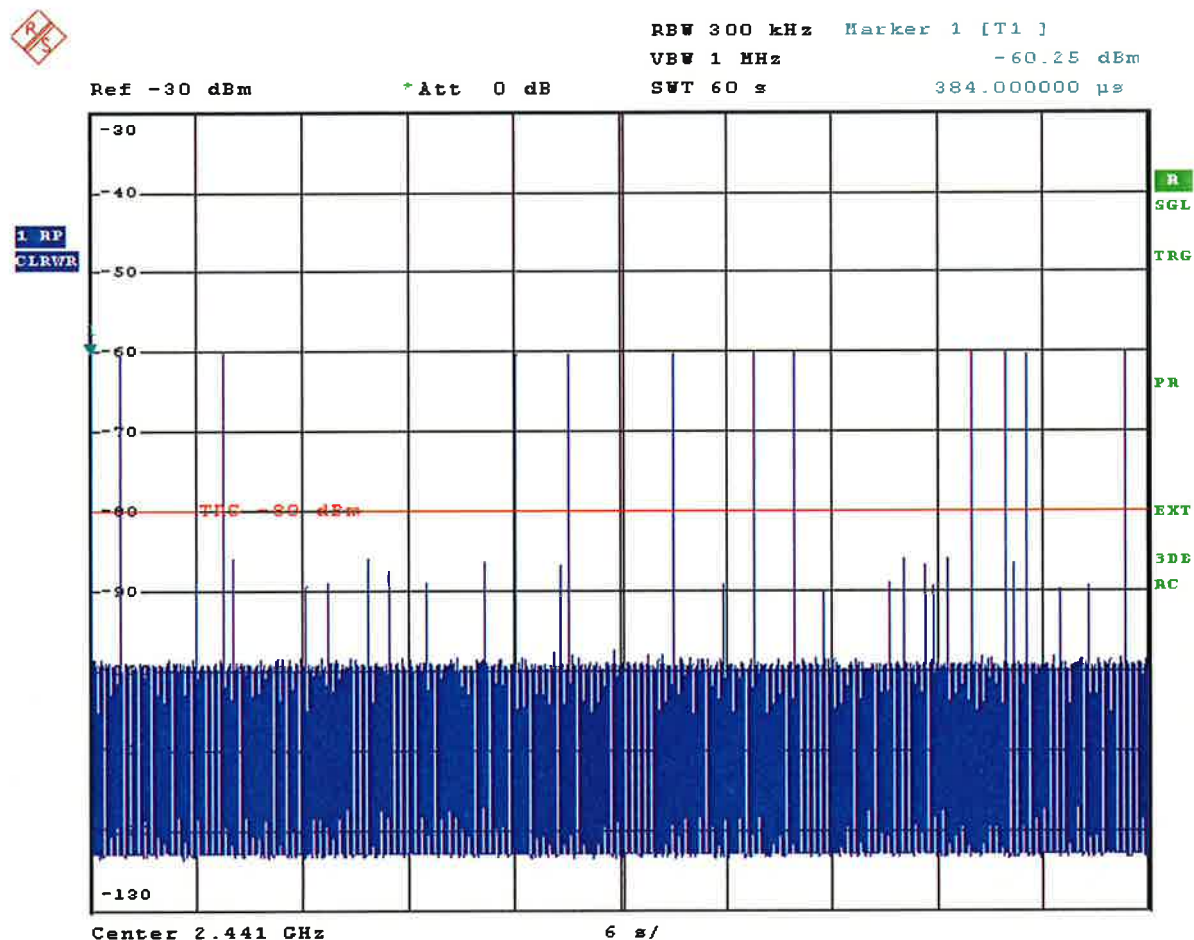
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Average Time of Occupancy

§ 15.247(a)(1)(iii)
A8.1(d)

Radiated Measurement

Rated output power: 79,4 µW 2441 MHz



Date: 2.AUG.2012 12:49:35

Given 74 hopping channels the period of 4 times the channel number multiplied with 0,4 seconds results in 118,4 seconds or nearly 2 minutes. The number of transmissions in one minute was 12, therefore in 2 minutes would be 24 transmissions. Each transmission has a dwell time of 384µs, resulting in an average occupancy of 9,216 ms which is far below 0,4 seconds.

LIMIT SUBCLAUSE 15.247(a)(1)(iii) – A8.1(d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

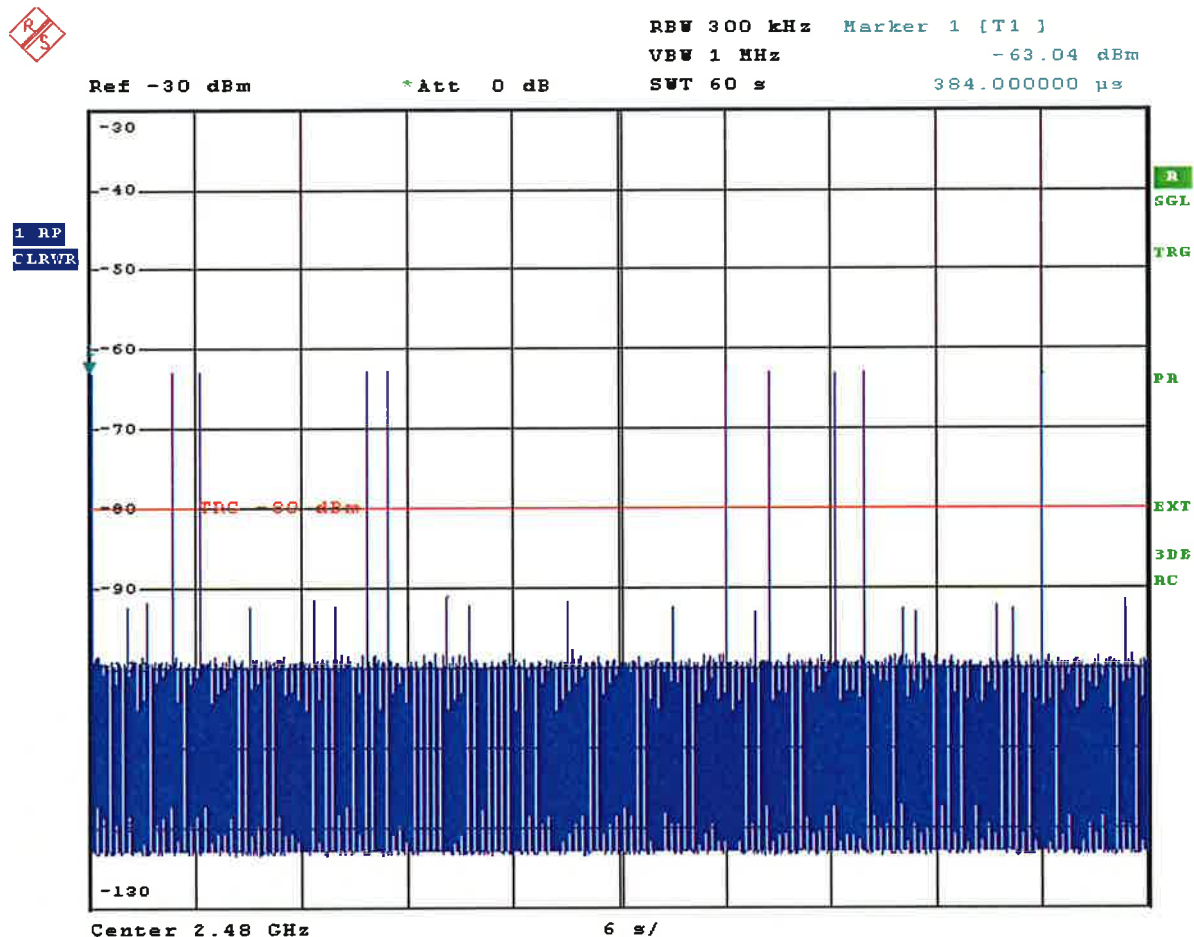
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Average Time of Occupancy

§ 15.247(a)(1)(iii)
A8.1(d)

Radiated Measurement

Rated output power: 79,4 µW 2480 MHz



Date: 2.AUG.2012 12:44:02

Given 74 hopping channels the period of 4 times the channel number multiplied with 0,4 seconds results in 118,4 seconds or nearly 2 minutes. The number of transmissions in one minute was 11, therefore in 2 minutes would be 22 transmissions. Each transmission has a dwell time of 384µs, resulting in an average occupancy of 8,448 ms which is far below 0,4 seconds.

LIMIT SUBCLAUSE 15.247(a)(1)(iii) – A8.1(d)

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

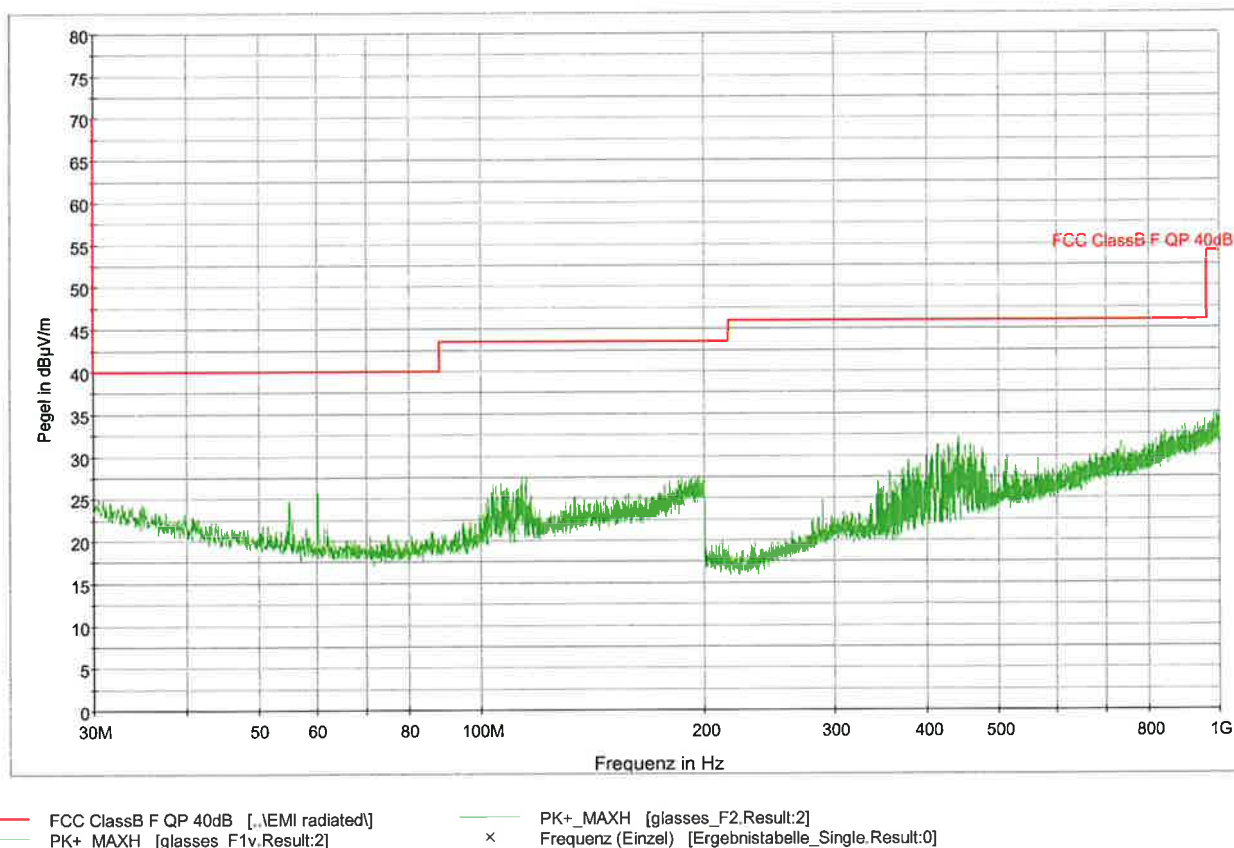
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-126; NT-150; NT-207; NT-500; NT-520; NT-550

Out-of-band Emission

§ 15.247(d)
A8.5

Measurement with Peak-Detector:

Frequency hopping active



LIMIT

SUBCLAUSE 15.247(d) – A8.5

In any 100 kHz bandwidth outside the frequency band in which the radio device is operating.

At least 20dB below the power in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

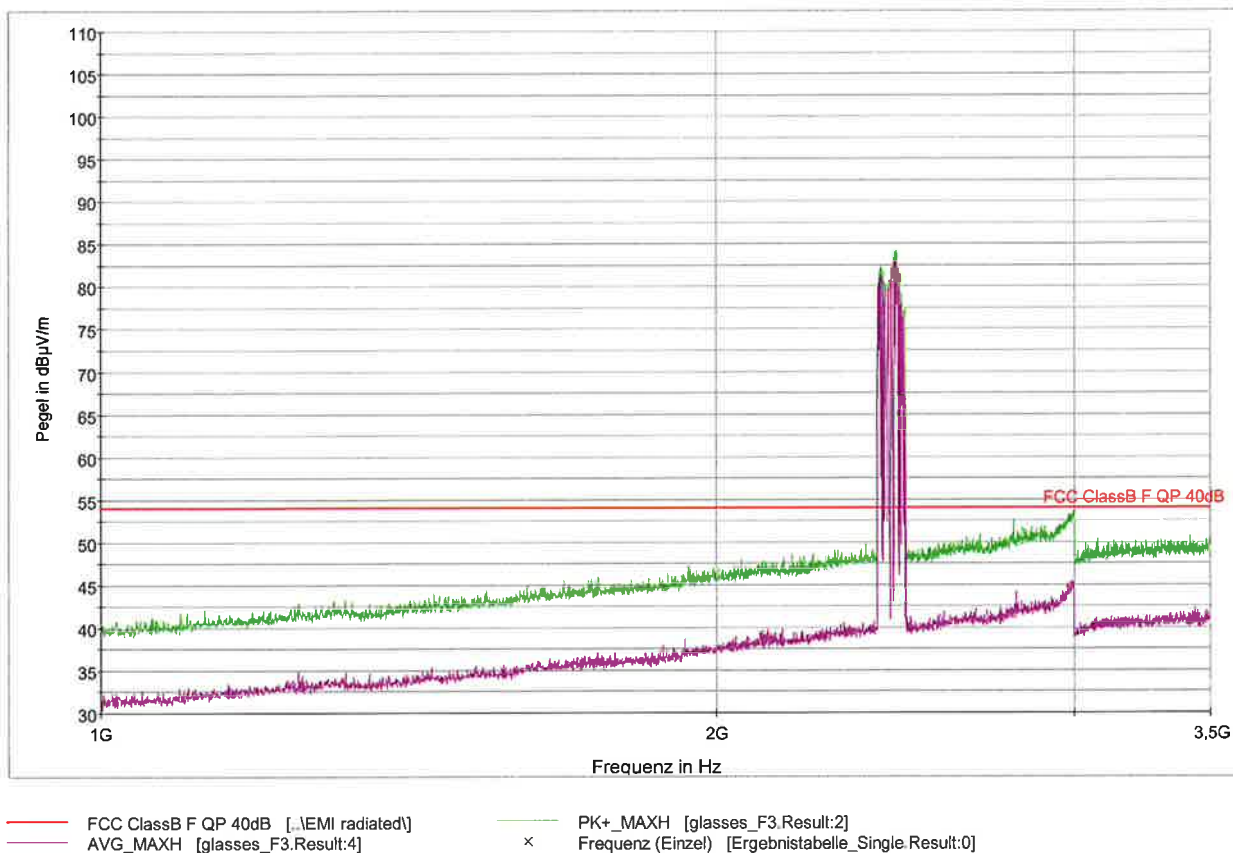
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-207

Out-of-band Emission

§ 15.247(d)
A8.5

Measurement with Peak-Detector (green line) and Average detector (magenta line):

Frequency hopping active



LIMIT

SUBCLAUSE 15.247(d) – A8.5

In any 100 kHz bandwidth outside the frequency band in which the radio device is operating.

At least 20dB below the power in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

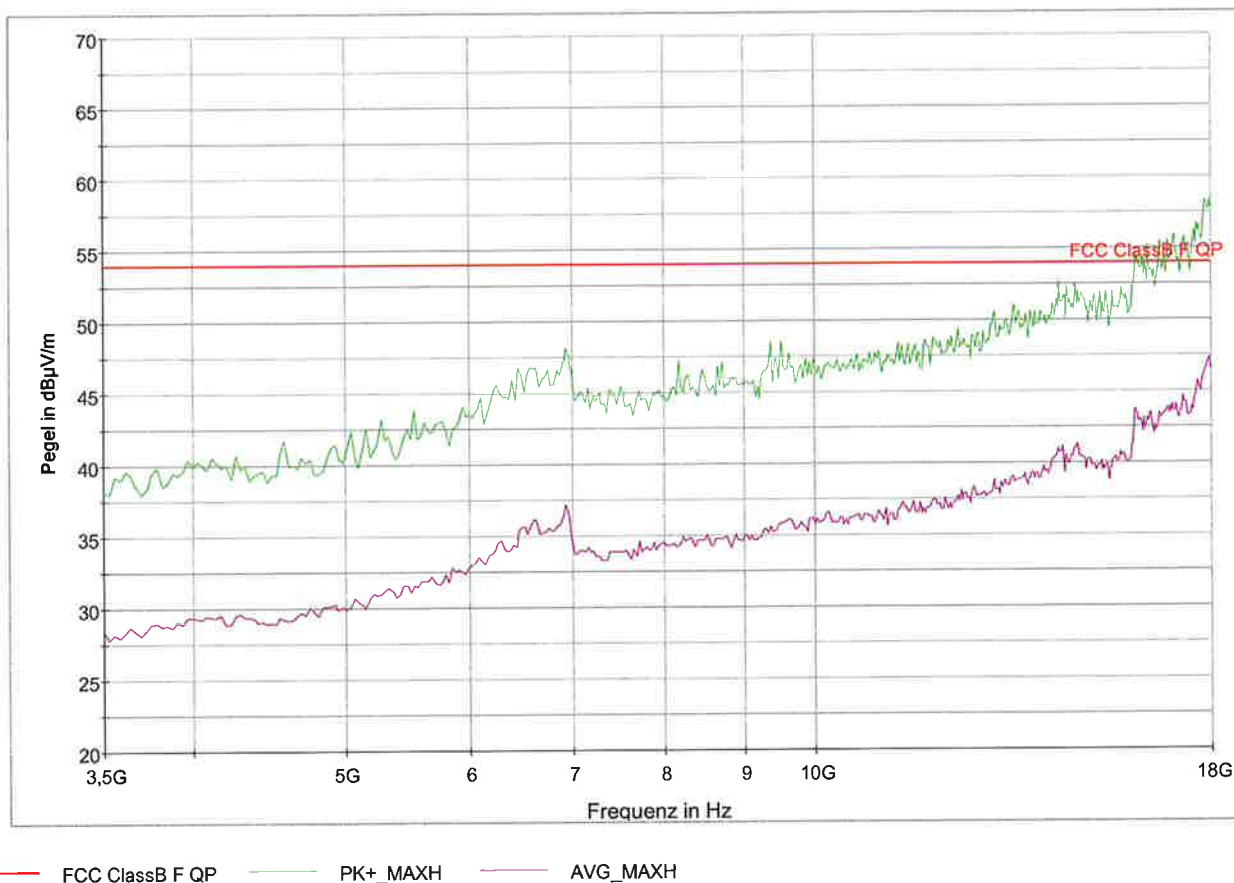
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-207

Out-of-band Emission

§ 15.247(d)
A8.5

Measurement with Peak-Detector (green line) and Average detector (magenta line):

Frequency hopping active



LIMIT

SUBCLAUSE 15.247(d) – A8.5

In any 100 kHz bandwidth outside the frequency band in which the radio device is operating.	At least 20dB below the power in the 100 kHz bandwidth within the band that contains the highest level of the desired power.
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Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-207

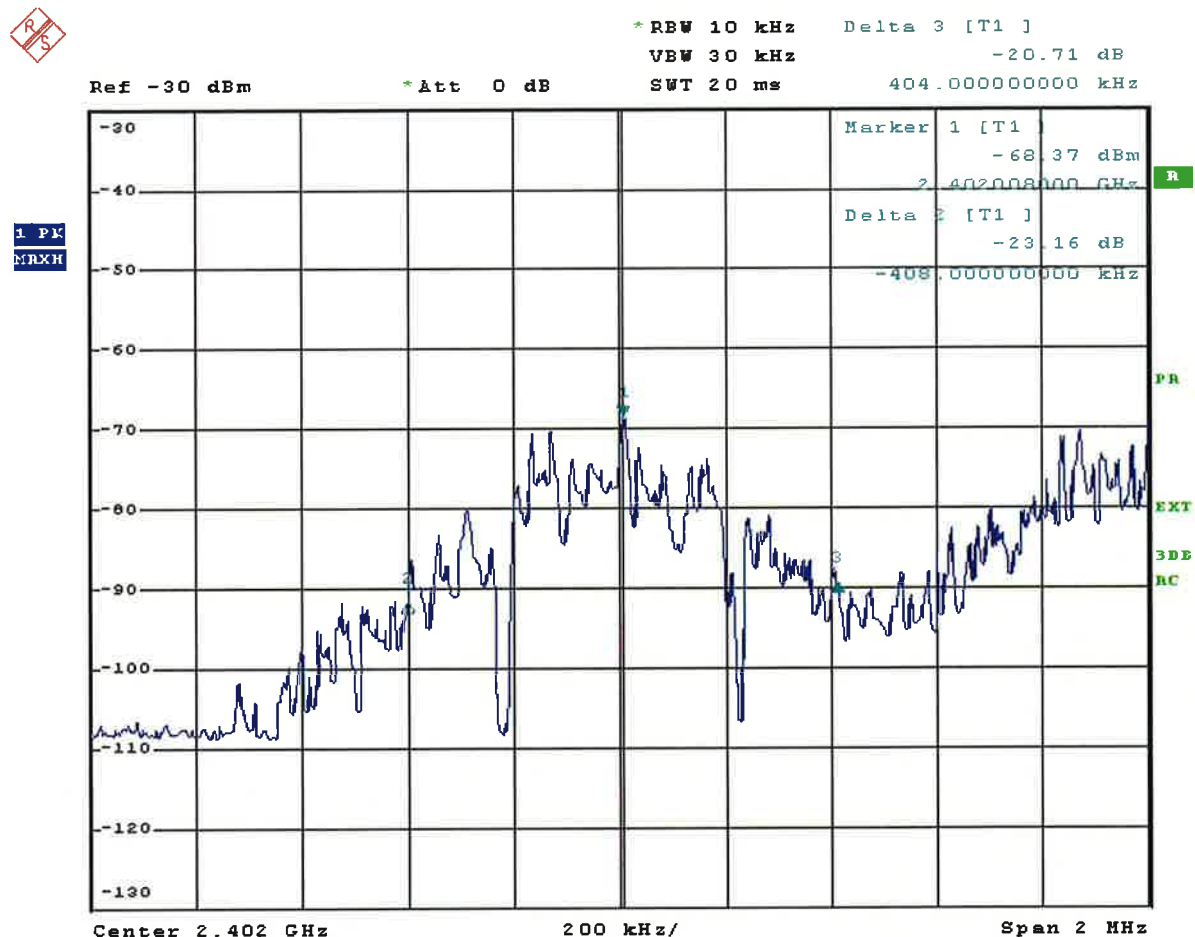
Although the measurements were made up to the tenth harmonic, the curve above is ending at 18 GHz. The tests above 18 GHz are not automatized and therefore we were not able to plot the spectrum analyzer display. Above 18 GHz no emissions above noise level were found.

Out-of-band Emission

§ 15.247(d)
A8.5

Measurement with Peak-Detector:

Frequency: 2402 MHz – Band Edge measurement



Date: 2.AUG.2012 11:43:47

LIMIT SUBCLAUSE 15.247(d) – A8.5

In any 100 kHz bandwidth outside the frequency band in which the radio device is operating.	At least 20dB below the power in the 100 kHz bandwidth within the band that contains the highest level of the desired power.
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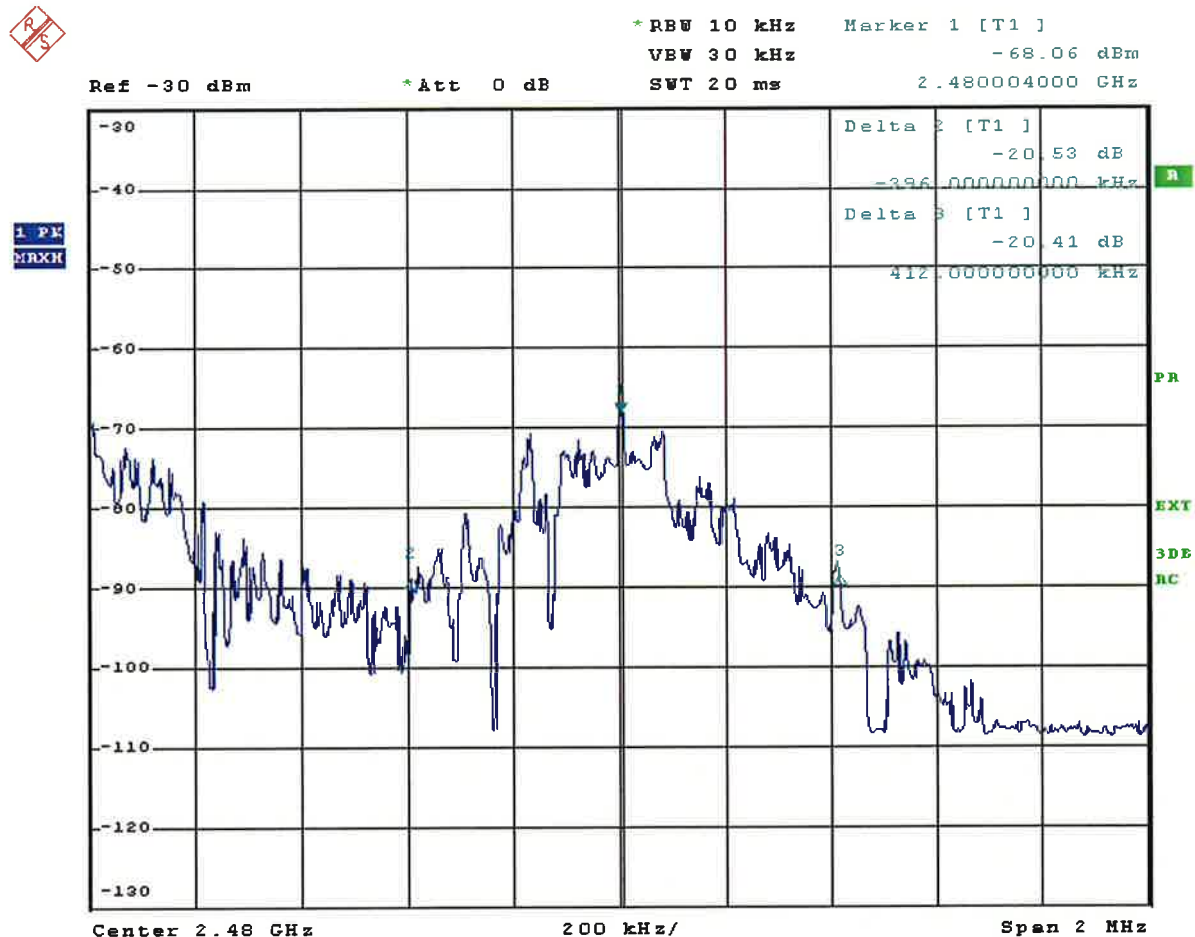
Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-207

Out-of-band Emission

§ 15.247(d)
A8.5

Measurement with Peak-Detector:

Frequency: 2480 MHz – Band Edge measurement



Date: 2.AUG.2012 12:37:02

LIMIT SUBCLAUSE 15.247(d) – A8.5

In any 100 kHz bandwidth outside the frequency band in which the radio device is operating.	At least 20dB below the power in the 100 kHz bandwidth within the band that contains the highest level of the desired power.
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Test Equipment used: NT-100; NT-110; NT-111; NT-112; NT-125; NT-207

Emissions in restricted bands

§ 15.209(a)

As the limit 15.209 was checked during "Out-of-band Emission" measurements, no additional measurements were performed.

Maximum permissible Exposure

§ 15.247(i)

This kind of radio equipment is categorically excluded from routine environmental evaluation.

Appendix 1

Test equipment used

☐	Anechoic Chamber with 3m measurement distance	NT-100	☐	ESVP - Test receiver 20 - 1000 MHz	NT-201
☐	Stripline according to ISO 11452-5	NT-108	☐	ESCI - Test receiver 9 kHz - 7 GHz	NT-203/1
☐	MA 240 - Antenna mast 1 - 4 m height	NT-110	☐	ESI26 - Test receiver 20 Hz - 26,5 GHz	NT-207
☐	DS 412 - Turntable 0 - 400 ° Azimuth	NT-111	☐	Digital Radio Tester CTS55	NT-208
☐	HD 100 Controller Mast+Turntable	NT-112	☐	Noise-gen., ITU-R 559-2 20 Hz - 20 kHz	NT-209
☐	HUF-Z3 - Log. Per. Antenna 200 - 1000 MHz	NT-121	☐	CMTA - Radiocommunication analyzer ; 0,1 - 1000 MHz	NT-210
☐	HFH-Z2 - Loop Antenna 9 kHz - 30 MHz	NT-122	☐	3271 - Spectrum analyzer 100 Hz - 26,5 GHz	NT-211
☐	HFH-Z6 - Rod Antenna 9 kHz - 30 MHz	NT-123	☐	Digital Radio Tester Aeroflex 3920	NT-212/1
☐	3121C - Dipole Antenna 28 - 1000 MHz	NT-124	☐	2855S - Communication analyzer	NT-213
☐	3115 - Horn Antenna 1 - 18 GHz (immunity)	NT-125	☐	Mixer M28HW 26,5 GHz - 40 GHz	NT-214
☐	3116 - Horn Antenna 18 - 40 GHz	NT-126	☐	Diode Detector 0,01 GHz - 26,5 GHz	NT-215
☐	SAS-200/543 - Bicon. Antenna 20 MHz - 300 MHz	NT-127	☐	RubiSource T&M Timing reference	NT-216
☐	AT-1080 - Log. Per. Antenna 80 - 1000 MHz	NT-128	☐	Radiocommunication analyzer SWR 1180 MD	NT-217
☐	HK-116 - bicon. Antenna 20 MHz - 300 MHz	NT-129	☐	Mixer M19HWD 40 GHz - 60 GHz	NT-218
☐	HK-116 - bicon. Antenna 20 MHz - 300 MHz	NT-130	☐	Mixer M12HWD 60 GHz - 90 GHz	NT-219
☐	3146 - Log. Per. Antenna 200 - 1000 MHz	NT-131	☐	DSO9104 Digital scope	NT-220/1
☐	Loop Antenna H-Field	NT-132	☐	TPS 2014 Digital scope	NT-222
☐	Horn Antenna 500 MHz - 2900 MHz	NT-133	☐	Artificial Ear according to IEC 60318	NT-224
☐	Horn Antenna 500 MHz - 6000 MHz	NT-133/1	☐	1 kHz Sound calibrator	NT-225
☐	Log. per. Antenna 800 MHz - 2500 MHz	NT-134	☐	B10 - Harmonics and flicker analyzer	NT-232
☐	Log. per. Antenna 800 MHz - 2500 MHz	NT-135	☐	SRM-3000 Spectrum analyzer	NT-233
☐	BiConiLog Antenna 26 MHz - 2000 MHz	NT-137	☐	SRM-3006 Spectrum analyzer	NT-233/1a
☐	Conical Dipol Antenna PCD8250	NT-138	☐	E-field probe SRM 75 MHz - 3 GHz	NT-234
☐	HF 906 - Horn Antenna 1 - 18 GHz (emission)	NT-139	☐	Field Meter NBM-500 incl. E- and H-Field probes	NT-240a-d
☐	HZ-1 Antenna tripod	NT-150	☐	Hall-Teslameter ETM-1	NT-241
☐	BN 1500 Antenna tripod	NT-151	☐	EFA-3 H-field- / E-field probe	NT-243
☐	Ant. tripod for EN61000-4-3 Model TP1000A	NT-156	☐	Field Meter EMR-200 100 kHz - 3 GHz	NT-244
☐	Power quality analyzer Fluke 1760 (complete set)	NT-160 - NT-172	☐	E-field probe 100 kHz - 3 GHz	NT-245
☐	Spectrum analyzer - FSP7 9 kHz - 7 GHz	NT-200	☐	H-field probe 300 kHz - 30 MHz	NT-246

Division Medical
Technology/
Communication
Technology/ EMC

Department: FG

Test report number:
M/FG-12/132

Page: 1 of 3

Date: 27.09.2012

Checked by: 

Appendix 1 (continued)

Test equipment used

☐	E-field probe 3 MHz – 18 GHz	NT-247	☐	VCS 500-M6 Surge-Generator	NT-326
☐	H-field probe 27 MHz – 1 GHz	NT-248	☐	BTA-250 - RF-Amplifier 9 kHz - 220 MHz / 250 W	NT-330
☐	ELT-400 1 Hz – 400 kHz	NT-249	☐	T82-50 RF-Amplifier 2 GHz – 8 GHz	NT-331
☐	MDS 21 - Absorbing clamp 30 - 1000 MHz	NT-250	☐	500W1000M7 - RF-Amplifier 80 - 1000 MHz / 500 W	NT-332
☐	FCC-203I EM Injection clamp	NT-251	☐	AS0102-65R - RF-Amplifier 1 GHz - 2 GHz	NT-333
☐	FCC-203I-DCN Ferrite decoupling network	NT-252	☐	APA01 – RF-Amplifier 0,5 GHz – 2,5 GHz	NT-334
☐	PR50 Current Probe	NT-253	☐	Preamplifier 1 GHz - 4 GHz	NT-335
☐	PR630 Current Probe	NT-254	☐	Preamplifier for GPS MKU 152 A	NT-336
☐	Fluke 87 V True RMS Multimeter	NT-260	☐	Preamplifier 100 MHz – 23 GHz	NT-337
☐	Model 2000 Digital Multimeter	NT-261	☐	DC Block 10 MHz – 18 GHz Model 8048	NT-338
☐	Fluke 87 V Digital Multimeter	NT-262/1	☐	2-97201 Electronic load	NT-341
☐	ESH2-Z5-U1 Artificial mains network 4x25A	NT-300	☐	TSX3510P - Power supply 0-30 V / 0 - 10 A	NT-344
☐	ESH3-Z5-U1 Artificial mains network 2x10A	NT-301	☐	TSX3510P - Power supply 0-30 V / 0 - 10 A	NT-345
☐	ESH3-Z6-U1 Artificial mains network 1x100A	NT-302	☐	VDS 200 Mobil-impuls-generator	NT-350
☐	ESH3-Z6-U1 Artificial mains network 1x100A	NT-302a	☐	LD 200 Mobil-impuls-generator	NT-351
☐	PHE 4500/B Power amplifier	NT-304	☐	MPG 200 Mobil-Impuls-Generators	NT-352
☐	EZ10 T-Artificial Network	NT-305	☐	EFT 200 Mobil-impuls-generator	NT-353
☐	SMG - Signal generator 0,1 - 1000 MHz	NT-310	☐	AN 200 S1 Artificial Network	NT-354
☐	SMA100A - Signal generator 9 kHz - 6 GHz	NT-310/1	☐	FP-EFT 32M 3 ph. Coupling filter (Burst)	NT-400/1
☐	PM 5518 TXVPS Video generator	NT-311	☐	PHE 4500 - Mains impedance network	NT-401
☐	RefRad Reference generator	NT-312	☐	IP 6.2 Coupling filter for data lines (Surge)	NT-403
☐	SMP 02 Signal generator 10 MHz - 20 GHz	NT-313	☐	TK 9421 High Power Volt. Probe 150 kHz - 30 MHz	NT-409
☐	40 MHz Arbitrary Generator TGA1241	NT-315	☐	ESH2-Z3 - Probe 9 kHz - 30 MHz	NT-410
☐	Artificial mains network NSLK 8127-PLC	NT-316	☐	IP 4 - Capacitive clamp (Burst)	NT-411
☐	PEFT - Burst generator up to 4 kV	NT-320	☐	Highpass-Filter 100 MHz – 3 GHz	NT-412
☐	ESD 30 System up to 25 kV	NT-321	☐	Highpass-Filter 600 MHz – 4 GHz	NT-413
☐	PSURGE 4.1 Surge generator	NT-324	☐	Highpass-Filter 1250 MHz – 4 GHz	NT-414
☐	TRANSIENT 1000 Immunity test system	NT-325	☐	Highpass-Filter 1800 MHz – 16 GHz	NT-415

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Appendix 1 (continued)

Test equipment used

☐	Highpass-Filter 3500 MHz – 18 GHz	NT-416	☐	FCC-801-S25 Coupling decoupling network	NT-462
☐	RF-Attenuator 10 dB DC – 18 GHz / 50 W	NT-417	☐	FCC-801-T4 Coupling decoupling network	NT-463
☐	RF-Attenuator 6 dB DC – 18 GHz / 50 W	NT-418	☐	FCC-801-C1 Coupling decoupling network	NT-464
☐	RF-Attenuator 3 dB DC – 18 GHz / 50 W	NT-419	☐	F-16A - Current probe 1kHz - 70MHz	NT-465
☐	RF-Attenuator 20 dB DC - 1000 MHz / 25 W	NT-421	☐	95242-1 – Current probe 1 MHz – 400 MHz	NT-468
☐	RF-Attenuator 30 dB DC - 1000 MHz / 1 W	NT-423	☐	94106-1L-1 – Current probe 100 kHz – 450 MHz	NT-471
☐	RF-Attenuator 30 dB	NT-424	☐	GA 1240 Power amplifier according to EN 61000-4-16	NT-480
☐	RF-Attenuator 6 dB DC - 1000 MHz / 1 W	NT-425	☐	Coupling networks according to EN 61000-4-16	NT-481 - NT-483
☐	RF-Attenuator 6 dB DC - 1000 MHz / 1 W	NT-426	☐	Van der Hoofden Test Head	NT-484
☐	RF-Attenuator 6 dB	NT-428	☐	PC P4 3 GHz Test computer	NT-500
☐	RF-Attenuator 0 dB - 81 dB	NT-429	☐	PC P4 1700 MHz Notebook	NT-505
☐	WRU 27 - Band blocking 27 MHz	NT-430	☐	Monitoring camera with Monitor	NT-511
☐	WHJ450C9 AA - High pass 450 MHz	NT-431	☐	ES-K1 Version 1.71 SP2 Test software	NT-520
☐	WHJ250C9 AA - High pass 250 MHz	NT-432	☐	EMC32 Version 9.01 Test software	NT-520/1
☐	RF-Load 150 W	NT-433	☐	SRM-TS Version 1.3 software for SRM-3000	NT-522
☐	Impedance transducer 1:4 ; 1:9 ; 1:16	NT-435	☐	SRM-TS Version 1.2 software for SRM-3006	NT-522/1
☐	RF-Attenuator DC – 18 GHz 6 dB	NT-436	☐	SPS-PHE Test software V2.5 voltage fluctuations/harmonics	NT-525
☐	RF-Attenuator DC – 18 GHz 6 dB	NT-437	☐	SPS-EM Test software V4.0 EN61000-4-11	NT-527
☐	RF-Attenuator DC – 18 GHz 10 dB	NT-438	☐	Noise power test apparatus according to EN 55014	NT-530
☐	RF-Attenuator DC – 18 GHz 20 dB	NT-439	☐	Vertical coupling plane (ESD)	NT-531
☐	I+P 7780 Directional coupler 100 - 2000 MHz	NT-440	☐	Test cable #4 for EN 61000-4-6	NT-553
☐	ESH3-Z2 - Pulse limiter 9 kHz - 30 MHz	NT-441	☐	Test cable #3 for conducted emission	NT-554
☐	Power Divider 6 dB/1 W/50 Ohm	NT-443	☐	Test cable #5+#6 ESD-cable (2x470k)	NT-555 + NT-556
☐	Directional coupler 0,1 MHz – 70 MHz	NT-444	☐	Test cable #8 Sucoflex 104EA	NT-559
☐	Directional coupler 0,1 MHz – 70 MHz	NT-445	☐	Test cable #9 (for outdoor measurements)	NT-580
☐	Tube imitations according to EN 55015	NT-450	☐	Test cable #10 (for outdoor measurements)	NT-581
☐	FCC-801-M3-16A Coupling decoupling network	NT-458	☐	Test cable #13 Sucoflex 104PE	NT-584
☐	FCC-801-M2-50A Coupling decoupling network	NT-459	☐	Test cable #21 for SRM-3000	NT-592
☐	FCC-801-M5-25 Coupling decoupling network	NT-460	☐	Shield chamber	NT-600
☐	FCC-801-AF10 Coupling decoupling network	NT-461	☐	Climatic chamber	M-1200

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