

### Radiated measurement

Temperature: 23 – 24°C  
 Air Pressure: 1007 – 1016 hPa  
 Humidity: 33 – 35 %

Op. Mode	Setup	Port
op-mode 3-co	Setup_02	Enclosure

Frequency MHz	Polarisation	Corrected value dBµV/m		Limit Peak dBµV/m	Limit AV dBµV/m	Delta to Peak limit/dB	Delta to AV limit dB
		Peak	AV				
2483.50	Vertical + horizontal	56.9	41.5	74.0	54.0	17.1	12.5

Remark: Please see annex for the measurement plot.

Op. Mode	Setup	Port
op-mode 8-co	Setup_02	Enclosure

Frequency MHz	Polarisation	Corrected value dBµV/m		Limit Peak dBµV/m	Limit AV dBµV/m	Delta to Peak limit/dB	Delta to AV limit dB
		Peak	AV				
2483.50	Vertical + horizontal	53.4	39.6	74.0	54.0	20.6	14.4

Remark: None

Op. Mode	Setup	Port
op-mode 12-co	Setup_02	Enclosure

Frequency MHz	Polarisation	Corrected value dBµV/m		Limit Peak dBµV/m	Limit AV dBµV/m	Delta to Peak limit/dB	Delta to AV limit dB
		Peak	AV				
2483.50	Vertical + horizontal	49.7	37.3	74.0	54.0	24.3	16.3

Remark: None

### 3.6.4 Test result: Band edge compliance

FCC Part 15, Subpart C	Op. Mode	Result
	op-mode 1	passed
	op-mode 3	passed
	op-mode 3-co	passed
	op-mode 6	passed
	op-mode 8	passed
	op-mode 8-co	passed
	op-mode 10	passed
	op-mode 12	passed
	op-mode 12-co	passed



### 3.7 Dwell time

**Standard** FCC Part 15, 10-1-09 Edition Subpart C

**The test was performed according to:** FCC §15.31

#### 3.7.1 Test Description

The Equipment Under Test (EUT) was set up to perform the dwell time measurements. The EUT was connected to the spectrum analyzer via a short coax cable. The dwell time is calculated by:

Dwell time = time slot length \* hop rate / number of hopping channels \* 31.6 s

with:

- hop rate =  $1600 * 1/s$  for DH1 packets =  $1600 \text{ s}^{-1}$
- hop rate =  $1600/3 * 1/s$  for DH3 packets =  $533.33 \text{ s}^{-1}$
- hop rate =  $1600/5 * 1/s$  for DH5 packets =  $320 \text{ s}^{-1}$
- number of hopping channels = 79
- $31.6 \text{ s} = 0.4 \text{ seconds multiplied by the number of hopping channels} = 0.4 \text{ s} * 79$

The highest value of the dwell time is reported.

#### 3.7.2 Test Requirements / Limits

FCC Part 15, Subpart C, §15.247 (a) (1) (iii)

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels. 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. Since the Bluetooth technology uses 79 channels this period is calculated to be 31.6 seconds.



### 3.7.3 Test Protocol

Temperature: 23 °C  
Air Pressure: 1020 hPa  
Humidity: 31 %

Op. Mode	Setup	Port
op-mode 2	Setup_03	Temp ant.connector

Packet type	Time slot length ms	Dwell time	Dwell time ms
DH5	2.926	time slot length * 1600/5 /79 * 31.6	374.53

Remark: Please see annex for the measurement plots.

### 3.7.4 Test result: Dwell time

FCC Part 15, Subpart C	Op. Mode	Result
	op-mode 2	passed



### 3.8 Channel separation

**Standard** FCC Part 15, 10-1-09 Edition Subpart C

**The test was performed according to:** FCC §15.31

#### 3.8.1 Test Description

The Equipment Under Test (EUT) was set up to perform the channel separation measurements. The channel separation is independent from the modulation pattern. The EUT was connected to spectrum analyzer via a short coax cable.

Analyzer settings:

- Detector: Peak-Maxhold
- Span: 3 MHz
- Centre Frequency: a mid frequency of the 2.4 GHz ISM band
- Resolution Bandwidth (RBW): 30 kHz
- Video Bandwidth (VBW): 100 kHz
- Sweep Time: Coupled

#### 3.8.2 Test Requirements / Limits

FCC Part 15, Subpart C, §15.247 (a) (1)

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. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.



### 3.8.3 Test Protocol

Temperature: 23 °C  
Air Pressure: 1020 hPa  
Humidity: 31 %

Op. Mode	Setup	Port
op-mode 4	Setup_03	Temp ant.connector

Channel separation MHz	Remarks
1.000	-

Remark: Please see annex for the measurement plot.

### 3.8.4 Test result: Channel separation

FCC Part 15, Subpart C	Op. Mode	Result
	op-mode 4	passed



### 3.9 Number of hopping frequencies

**Standard** FCC Part 15, 10-1-09 Edition Subpart C

**The test was performed according to:** FCC §15.31

#### 3.9.1 Test Description

The Equipment Under Test (EUT) was set up to perform the number of hopping frequencies measurement. The number of hopping frequencies is independent from the modulation pattern.

The EUT was connected to spectrum analyzer via a short coax cable.

Analyzer settings:

- Detector: Peak-Maxhold
- Centre frequency: 2442 MHz
- Frequency span: 84 MHz
- Resolution Bandwidth (RBW): 100 kHz
- Video Bandwidth (VBW): 300 kHz
- Sweep Time: Coupled

#### 3.9.2 Test Requirements / Limits

FCC Part 15, Subpart C, §15.247 (a) (iii)

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

#### 3.9.3 Test Protocol

Temperature: 23 °C  
 Air Pressure: 1020 hPa  
 Humidity: 31 %

Op. Mode	Setup	Port
op-mode 4	Setup_03	Temp ant.connector

Number of hopping channels	Remarks
79	-

Remark: Please see annex for the measurement plot.

#### 3.9.4 Test result: Number of hopping frequencies

FCC Part 15, Subpart C	Op. Mode	Result
	op-mode 4	passed



## 4 Test Equipment

### 1 Test Equipment Details

#### 1.1 List of Used Test Equipment

The calibration, hardware and software states are shown for the testing period.

#### Test Equipment Anechoic Chamber

<b>Lab ID:</b>	<b>Lab 1</b>		
<b>Manufacturer:</b>	Frankonia		
<b>Description:</b>	Anechoic Chamber for radiated testing		
<b>Type:</b>	10.58x6.38x6		
	<i>Calibration Details</i>	<i>Last Execution</i>	<i>Next Exec.</i>
	IC renewal	2009/01/21	2011/01/20
	FCC renewal	2009/01/07	2011/01/06

#### Single Devices for Anechoic Chamber

<i>Single Device Name</i>	<i>Type</i>	<i>Serial Number</i>	<i>Manufacturer</i>
Air compressor	none	-	Atlas Copco
Anechoic Chamber	10.58 x 6.38 x 6	none	Frankonia
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	FCC listing 96716 3m Part15/18		2009/01/07 2011/01/06
	ANSI C64.3 NSA		2009/01/21 2011/01/20
Controller Innco 2000	CO 2000	CO2000/328/12470 406/L	Innco innovative constructions GmbH
EMC camera	CE-CAM/1	-	CE-SYS
EMC camera Nr.2	CCD-400E	0005033	Mitsubishi
Filter ISDN	B84312-C110-E1		Siemens&Matsushita
Filter Universal 1A	BB4312-C30-H3	-	Siemens&Matsushita

## Test Equipment Auxiliary Equipment for Radiated emissions

**Lab ID:** Lab 1  
**Description:** Equipment for emission measurements  
**Serial Number:** see single devices

### Single Devices for Auxiliary Equipment for Radiated emissions

Single Device Name	Type	Serial Number	Manufacturer
Antenna mast	AS 620 P		HD GmbH
Biconical dipole	VUBA 9117	9117108	Schwarzbeck
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2008/10/27 2013/10/26
Broadband Amplifier 18MHz-26GHz	JS4-18002600-32-5P	849785	Miteq
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
Broadband Amplifier 1GHz-4GHz	AFS4-01000400-1Q-10P-4	-	Miteq
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
Broadband Amplifier 30MHz-18GHz	JS4-00101800-35-5P	896037	Miteq
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
Cable "ESI to EMI Antenna"	EcoFlex10	W18.01-2+W38.01-2	Kabel Kusch
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
Cable "ESI to Horn Antenna"	UFB311A+UFB293C	W18.02-2+W38.02-2	Rosenberger Micro-Coax
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
Double-ridged horn	HF 906	357357/001	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2009/04/16 2012/04/15
Double-ridged horn	HF 906	357357/002	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2009/04/28 2012/04/27
Dreheinheit	DE 325		HD GmbH
High Pass Filter	4HC1600/12750-1.5-KK	9942011	Trilithic
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
High Pass Filter	5HC2700/12750-1.5-KK	9942012	Trilithic
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
High Pass Filter	5HC3500/12750-1.2-KK	200035008	Trilithic
	<i>Calibration Details</i>		<i>Last Execution</i>
	Path Calibration		2009/11/16 2010/05/15
Log.-per. Antenna	HL 562 Ultralog	830547/003	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i>
	Standard Calibration		2009/05/27 2012/05/26



### Single Devices for Auxiliary Equipment for Radiated emissions (continued)

Single Device Name	Type	Serial Number	Manufacturer
Loop Antenna	HFH2-Z2	829324/006	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	DKD calibration		2008/10/07    2011/10/06
Pyramidal Horn Antenna 26,5 GHz	3160-09	00083069	EMCO Elektronik GmbH
Pyramidal Horn Antenna 40 GHz	3160-10	00086675	EMCO Elektronik GmbH

### Test Equipment Auxiliary Test Equipment

<b>Lab ID:</b>	<b>Lab 1</b>
<i>Manufacturer:</i>	see single devices
<i>Description:</i>	Single Devices for various Test Equipment
<i>Type:</i>	various
<i>Serial Number:</i>	none

### Single Devices for Auxiliary Test Equipment

Single Device Name	Type	Serial Number	Manufacturer
AC Power Source	Chroma 6404	64040001304	Chroma ATE INC.
Broadband Power Divider N (Aux)	1506A / 93459	LM390	Weinschel Associates
Broadband Power Divider SMA	WA1515	A855	Weinschel Associates
Digital Multimeter 01 (Multimeter)	Voltcraft M-3860M	IJ096055	Conrad Electronics
Digital Multimeter 03 (Multimeter)	Fluke 177	86670383	Fluke Europe B.V.
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Standard calibration		2009/10/07    2011/10/06
Digital Oscilloscope [SA2] (Aux)	TDS 784C	B021311	Tektronix GmbH
Fibre optic link Satellite (Aux)	FO RS232 Link	181-018	Pontis
Fibre optic link Transceiver (Aux)	FO RS232 Link	182-018	Pontis
Isolating Transformer	LTS 604	1888	Thalheimer Transformatorwerke GmbH
Notch Filter Ultra Stable (Aux)	WRCA800/960-6EEK	24	Wainwright
Spectrum Analyser	FSP3	836722/011	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	DKD calibration		2008/10/06    2011/10/05

## Test Equipment Digital Signalling Devices

**Lab ID:** Lab 1  
**Description:** Signalling equipment for various wireless technologies.

### Single Devices for Digital Signalling Devices

Single Device Name	Type	Serial Number	Manufacturer
Bluetooth Signalling Unit CBT CBT		100589	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Standard Calibration		2008/08/14    2011/08/13
Digital Radio Communication Tester	CMD 55	831050/020	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Standard calibration		2008/10/07    2010/10/06
Digital Radio Test Set	6103E	2359	Racal Instruments, Ltd.
Universal Radio Communication Tester	CMU 200	102366	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Standard calibration		2009/02/16    2011/02/15
	<i>HW/SW Status</i>		<i>Date of Start</i> <i>Date of End</i>
	Hardware: B11, B21V14, B21-2, B41, B52V14, B52-2, B53-2, B56V14, B68 3v04, PCMCIA, U65V04 Software: K21 4v21, K22 4v21, K23 4v21, K24 4v21, K42 4v21, K43 4v21, K53 4v21, K56 4v22, K57 4v22, K58 4v22, K59 4v22, K61 4v22, K62 4v22, K63 4v22, K64 4v22, K65 4v22, K66 4v22, K67 4v22, K68 4v22, K69 4v22 Firmware: µP1 8v50 02.05.06 ---		2007/07/16
Universal Radio Communication Tester	CMU 200	837983/052	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Standard calibration		2008/12/01    2011/11/30
	<i>HW/SW Status</i>		<i>Date of Start</i> <i>Date of End</i>
	HW options: B11, B21V14, B21-2, B41, B52V14, B52-2, B53-2, B54V14, B56V14, B68 3v04, B95, PCMCIA, U65V02 SW options: K21 4v11, K22 4v11, K23 4v11, K24 4v11, K27 4v10, K28 4v10, K42 4v11, K43 4v11, K53 4v10, K65 4v10, K66 4v10, K68 4v10, Firmware: µP1 8v40 01.12.05 ---		2007/01/02
	SW: K62, K69		2008/11/03
Vector Signal Generator	SMU200A	100912	Rohde & Schwarz GmbH & Co. KG
	<i>Calibration Details</i>		<i>Last Execution</i> <i>Next Exec.</i>
	Standard calibration		2008/10/28    2011/10/27



**Test Equipment Emission measurement devices**

**Lab ID:** Lab 1  
**Description:** Equipment for emission measurements  
**Serial Number:** see single devices

**Single Devices for Emission measurement devices**

Single Device Name	Type	Serial Number	Manufacturer	
Personal Computer	Dell	30304832059	Dell	
Signal Generator	SMR 20	846834/008	Rohde & Schwarz GmbH & Co. KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2007/12/05	2010/12/04
Spectrum Analyzer	ESIB 26	830482/004	Rohde & Schwarz GmbH & Co. KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/12/03	2011/12/02

**Test Equipment Multimeter 12**

**Lab ID:** Lab 2  
**Description:** Ex-Tech 520  
**Serial Number:** 05157876

**Single Devices for Multimeter 12**

Single Device Name	Type	Serial Number	Manufacturer	
Digital Multimeter 12 (Multimeter)	EX520	05157876	Extech Instruments Corp.	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard calibration		2009/10/07	2011/10/06

### Test Equipment Regulatory Bluetooth RF Test Solution

**Lab ID:** Lab 2  
**Description:** Regulatory Bluetooth RF Tests  
**Type:** Bluetooth RF  
**Serial Number:** 001

#### Single Devices for Regulatory Bluetooth RF Test Solution

Single Device Name	Type	Serial Number	Manufacturer	
ADU 200 Relay Box 7	Relay Box	A04380	Ontrak Control Systems Inc.	
Bluetooth Signalling Unit CBT	1153.9000.35	100302	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/08/06	2010/08/05
Power Meter NRVD	857.8008.02	832025/059	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/06/23	2010/06/22
Power Sensor NRV Z1 A	828.3018.03	832279/013	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/06/23	2010/06/22
Power Supply	NGSM 32/10	2725	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/04/28	2010/04/27
Rubidium Frequency Normal MFS	828.3018.03	002	Datum GmbH	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/06/23	2010/06/22
Signal Analyser FSIQ26	1119.6001.26	832695/007	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/06/24	2011/06/23
Signal Generator	SMP03	833680/003	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard Calibration		2009/06/23	2012/06/22
Vector Signal Generator SMIQ03B B	1125.5555.03	832870/017	Rohde & Schwarz GmbH & Co.KG	
	<i>Calibration Details</i>		<i>Last Execution</i>	<i>Next Exec.</i>
	Standard		2007/05/24	2010/05/23

### Test Equipment Shielded Room 07

**Lab ID:** Lab 2  
**Description:** Shielded Room 4m x 6m

### Test Equipment T/H Logger 04

**Lab ID:** Lab 2  
**Description:** Lufft Opus10  
**Serial Number:** 7481

#### Single Devices for T/H Logger 04

Single Device Name	Type	Serial Number	Manufacturer	
ThermoHygro Datalogger Opus10 THI (8152.00) 04 (Environ)		7481	Lufft Mess- und Regeltechnik GmbH	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Standard calibration			2009/01/23	2011/01/22

### Test Equipment Temperature Chamber 01

**Lab ID:** Lab 2  
**Manufacturer:** see single devices  
**Description:** Temperature Chamber KWP 120/70  
**Type:** Weiss  
**Serial Number:** see single devices

#### Single Devices for Temperature Chamber 01

Single Device Name	Type	Serial Number	Manufacturer	
Temperature Chamber Weiss 01	KWP 120/70	59226012190010	Weiss Umwelttechnik GmbH	
<i>Calibration Details</i>			<i>Last Execution</i>	<i>Next Exec.</i>
Specific calibration			2010/03/16	2011/03/15

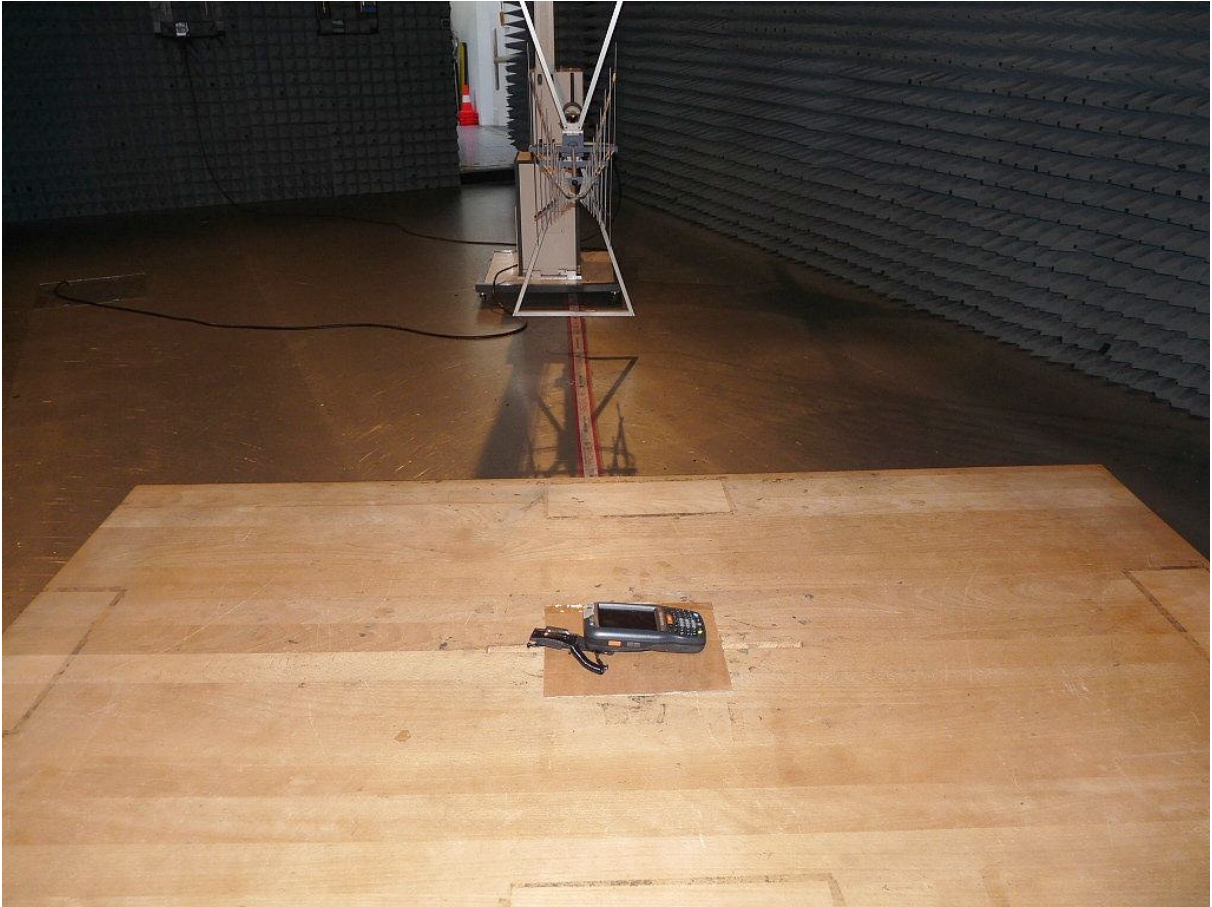
## 5 Photo Report

Detailed photos of the OUT are declared as confidential.



**Photo 1:** Test setup for radiated measurements (Enclosure, below 30 MHz)





**Photo 2:** Test setup for radiated measurements (Enclosure, 30 MHz to 1 GHz)



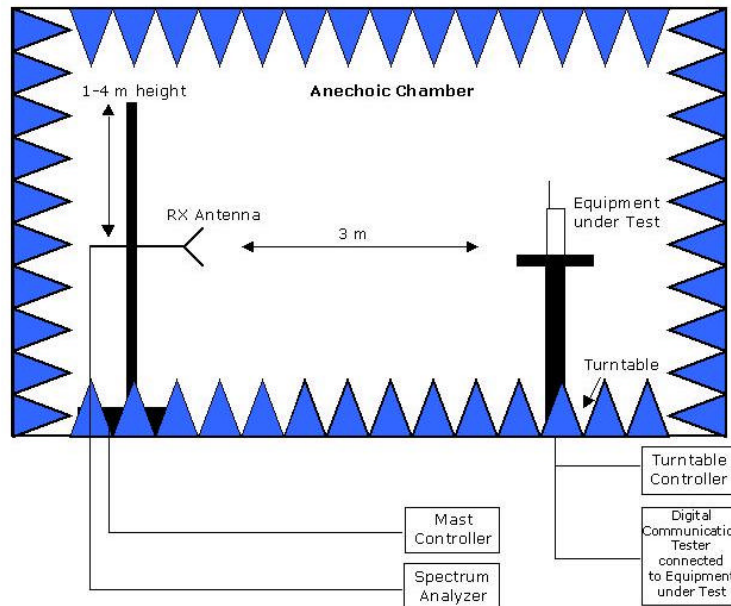
**Photo 3:** Test setup for radiated measurements (Enclosure, above 1 GHz)





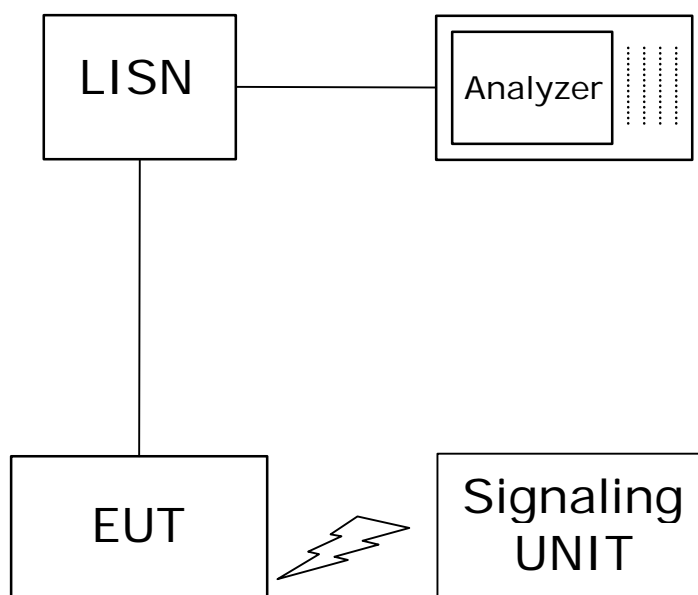
**Photo 4:** Test setup for conducted measurements (AC Port (power line))

## 6 Setup Drawings



*Remark:* Depending on the frequency range suitable antenna types, attenuators or preamplifiers are used.

**Drawing 1:** Setup in the Anechoic chamber:  
 Measurements below 1 GHz: Semi-anechoic, conducting ground plane.  
 Measurements above 1 GHz: Fully-anechoic, absorbers on all surfaces



**Drawing 2:** Setup in the shielded room for conducted measurements at AC mains port

## 7 Annex measurement plots

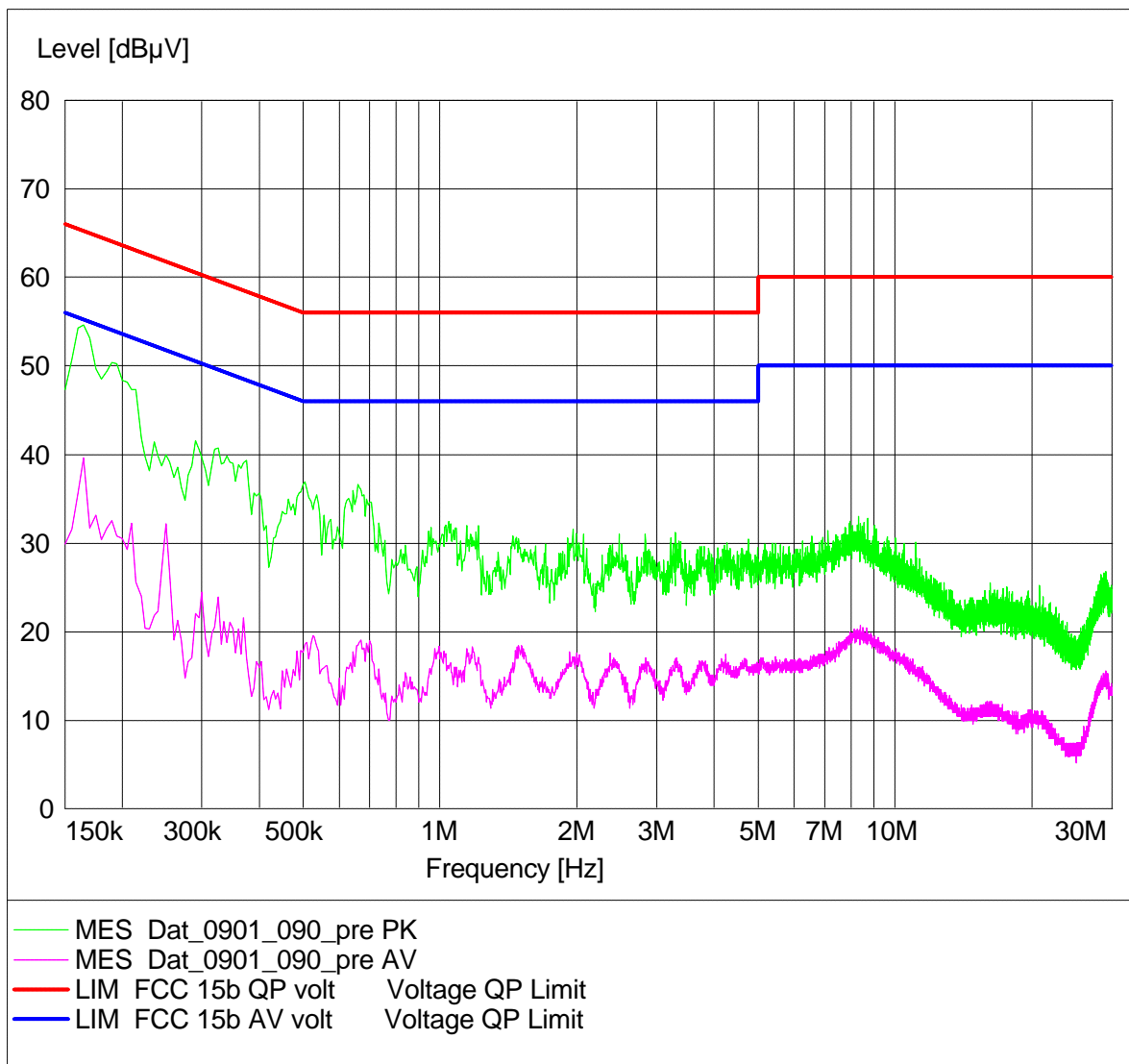
Only plots are included in this report for the results with the lowest margin to the limit. All plots are generated by (semi-)automatic procedures and therefore e.g. the instrument settings are identical if the same tests are performed for different operating modes. The measurement data and also plots of all performed tests are archived within the data storage system of the test laboratory.

### 7.1 AC Mains conducted

#### Op. Mode

op-mode 2-co

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	5.0 kHz	MaxPeak Average	20.0 ms	9 kHz	ESH3-Z5



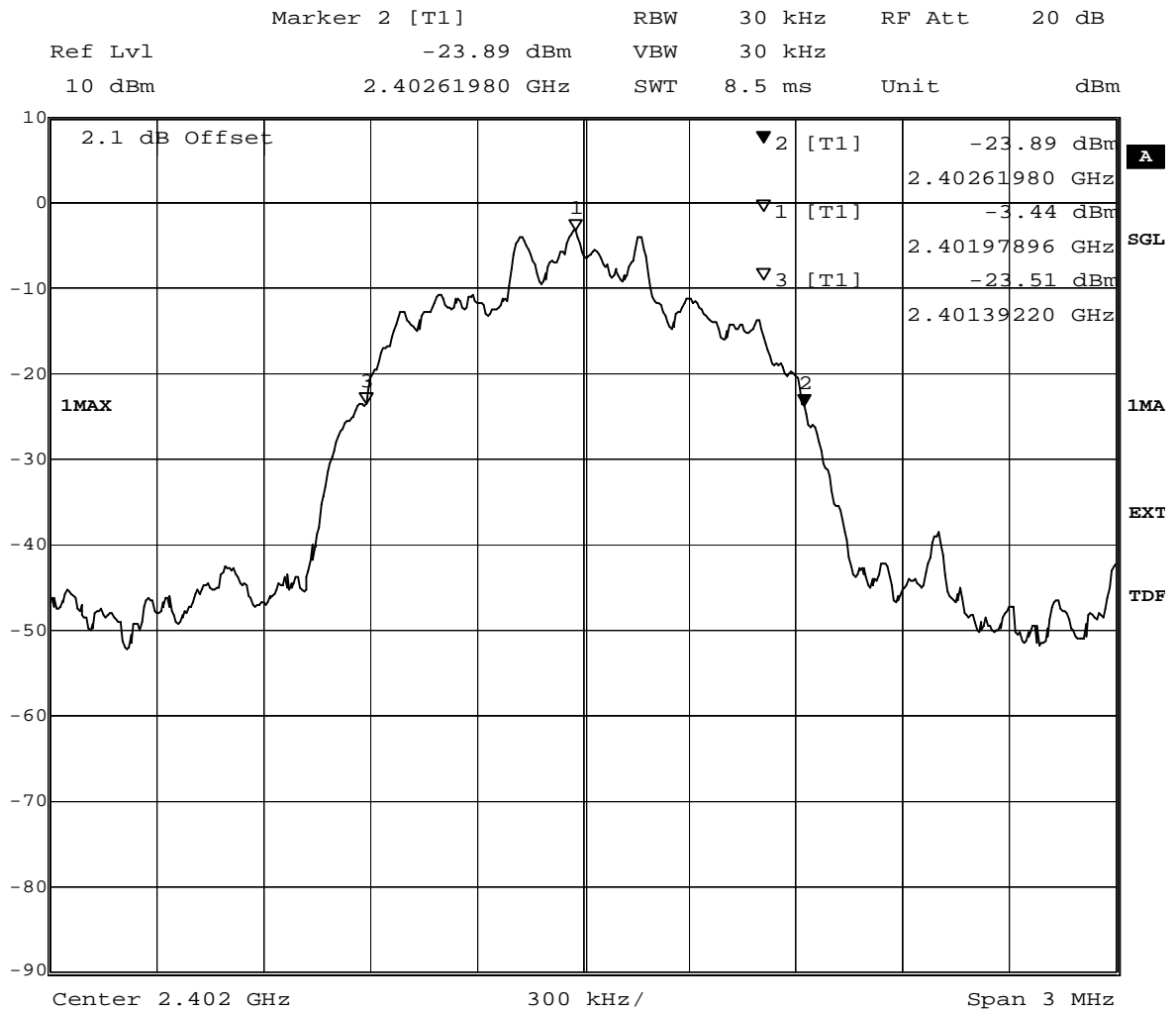


## 7.2 Occupied bandwidth

### 7.2.1 Occupied bandwidth operating mode 6

#### Op. Mode

op-mode 6



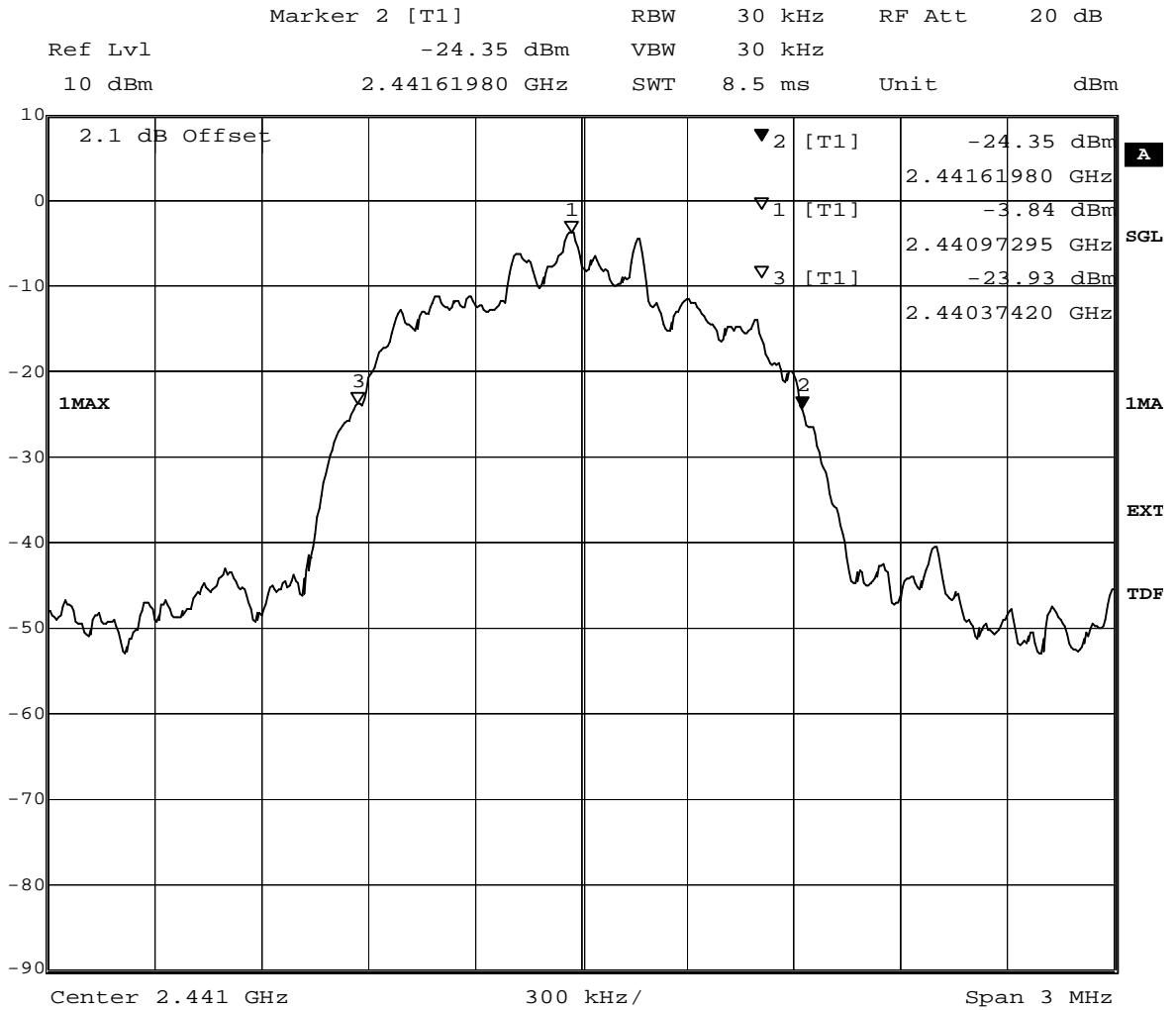
Title: 20dB Bandwidth  
 Comment A: CH B: 2402 MHz; 20dB bandwidth (kHz):1227.6  
 Date: 23.APR.2010 15:16:23



## 7.2.2 Occupied bandwidth operating mode 7

### Op. Mode

op-mode 7



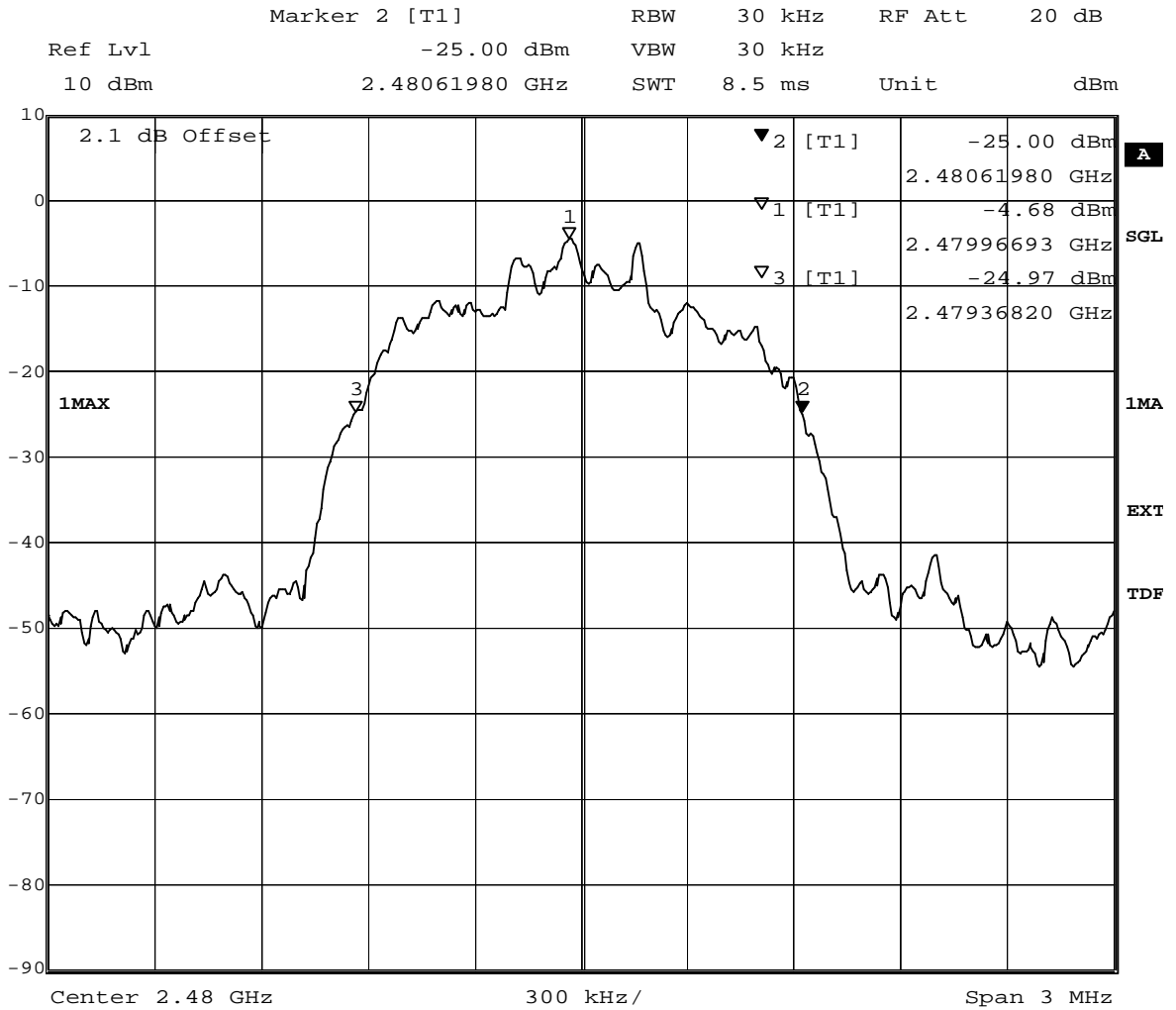
Title: 20dB Bandwidth  
 Comment A: CH M: 2441 MHz; 20dB bandwidth (kHz):1245.6  
 Date: 23.APR.2010 15:33:45



### 7.2.3 Occupied bandwidth operating mode 8

#### Op. Mode

op-mode 8



Title: 20dB Bandwidth  
 Comment A: CH T: 2480 MHz; 20dB bandwidth (kHz):1251.6  
 Date: 23.APR.2010 15:50:21

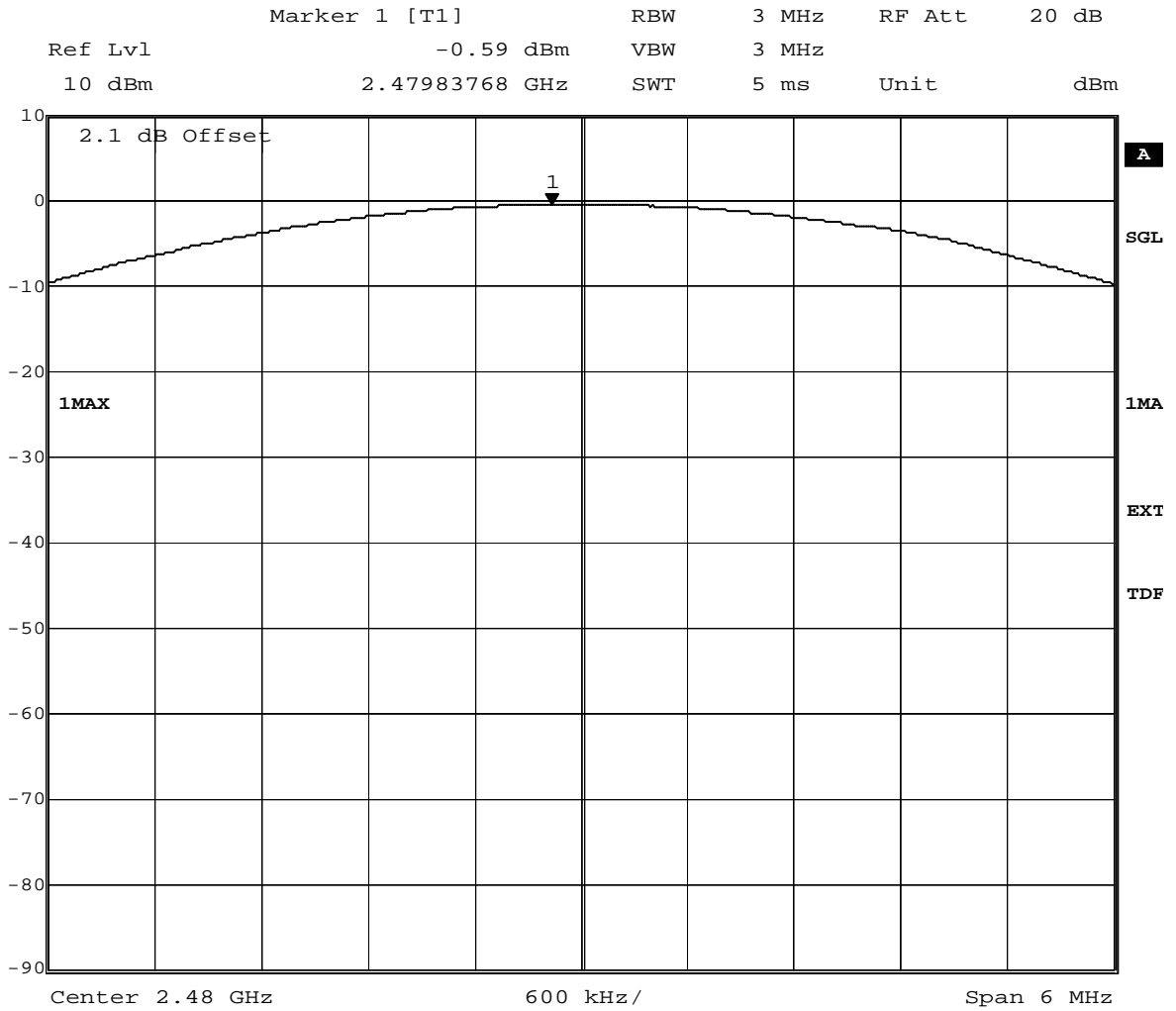


### 7.3 Peak power output

#### 7.3.1 Peak power output operating mode 3

##### Op. Mode

op-mode 3



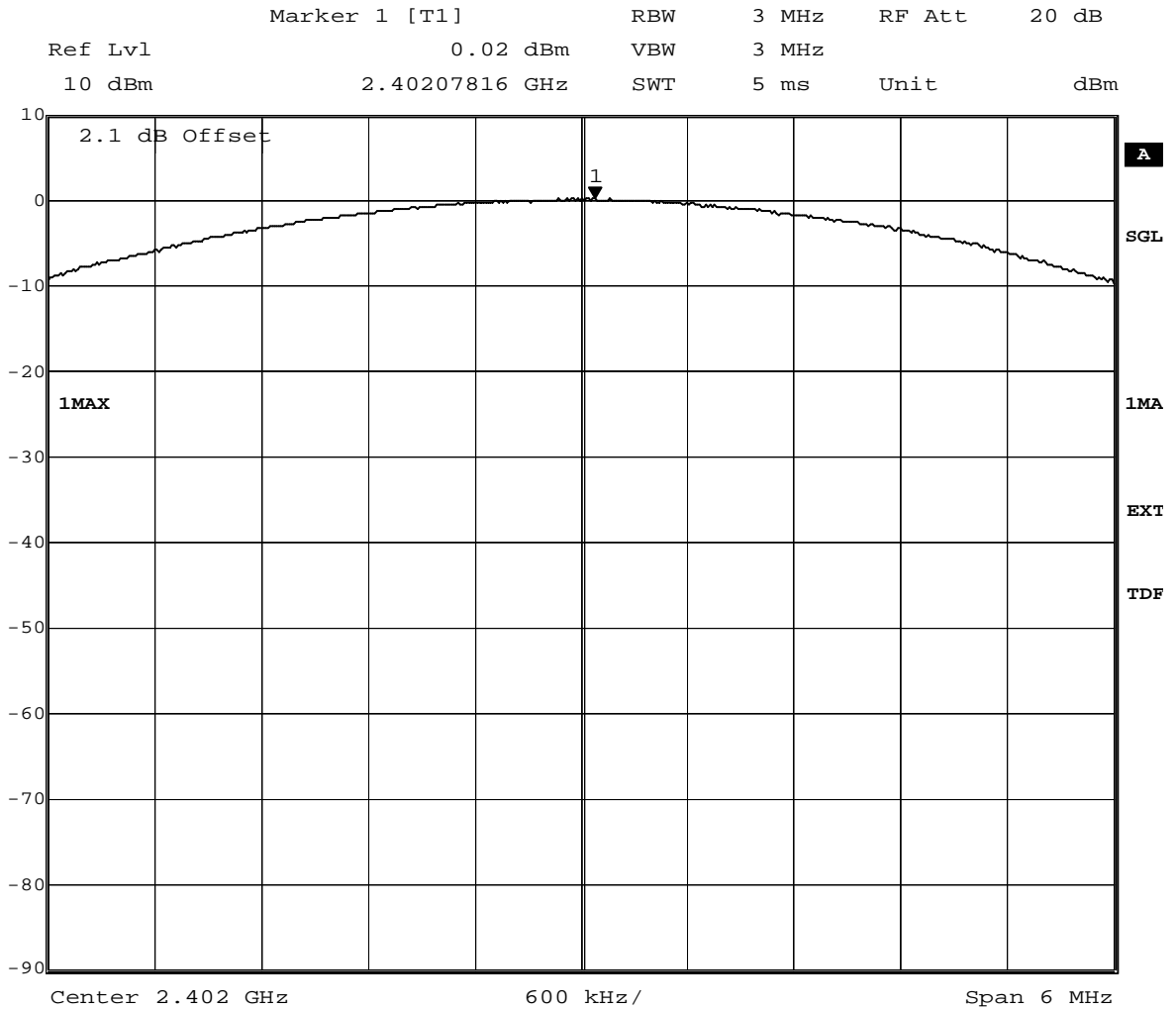
Title: Peak outputpower Power  
Comment A: CH T: 2480 MHz  
Date: 23.APR.2010 13:43:26



### 7.3.2 Peak power output operating mode 6

#### Op. Mode

op-mode 6



Title: Peak outputpower Power  
Comment A: CH B: 2402 MHz  
Date: 23.APR.2010 15:16:50

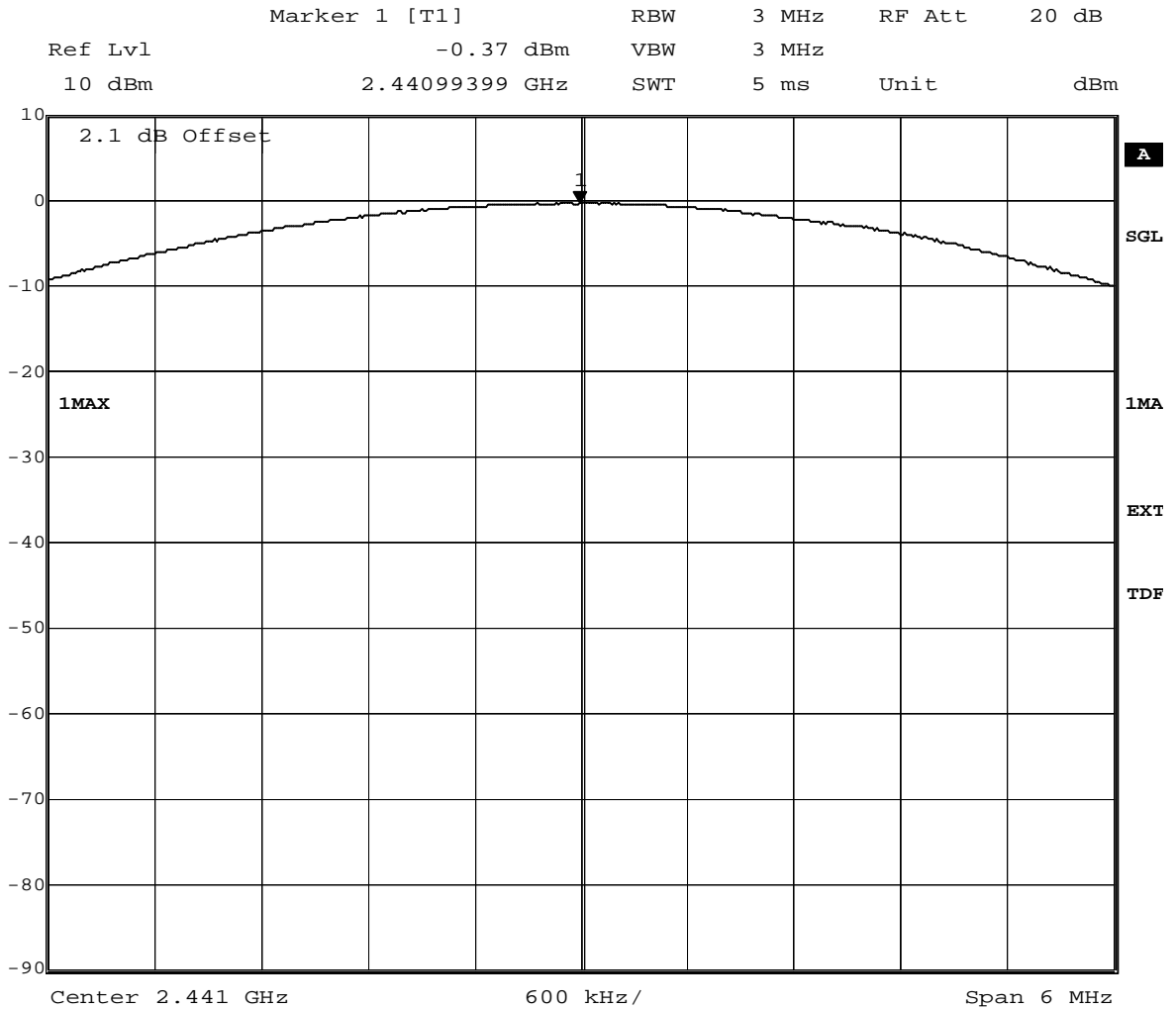




### 7.3.3 Peak power output operating mode 7

#### Op. Mode

op-mode 7



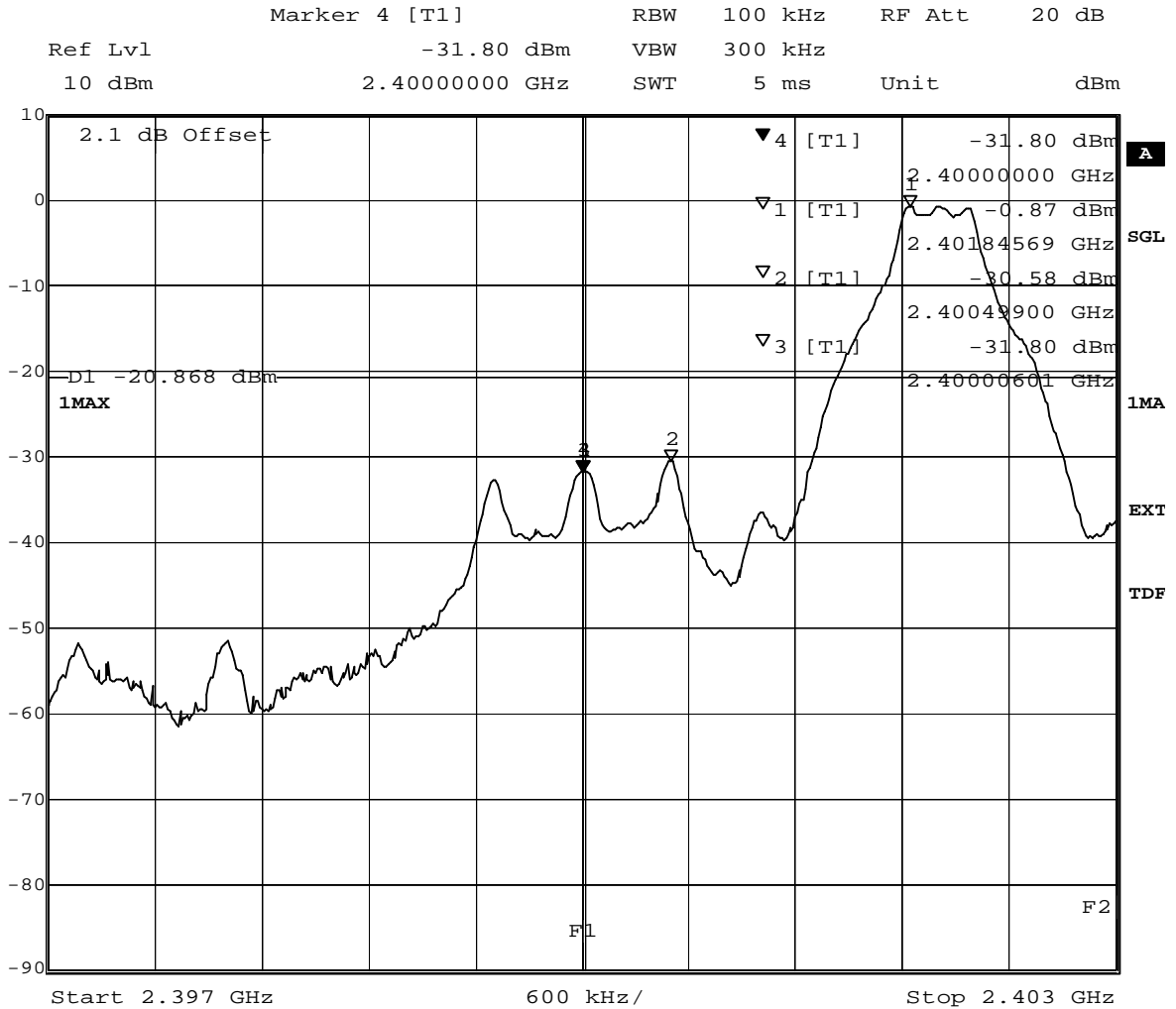
Title: Peak outputpower Power  
Comment A: CH M: 2441 MHz  
Date: 23.APR.2010 15:34:11

## 7.4 Band edge compliance conducted and Spurious RF conducted emissions

### 7.4.1 Band edge compliance conducted operating mode 1

#### Op. Mode

op-mode 1



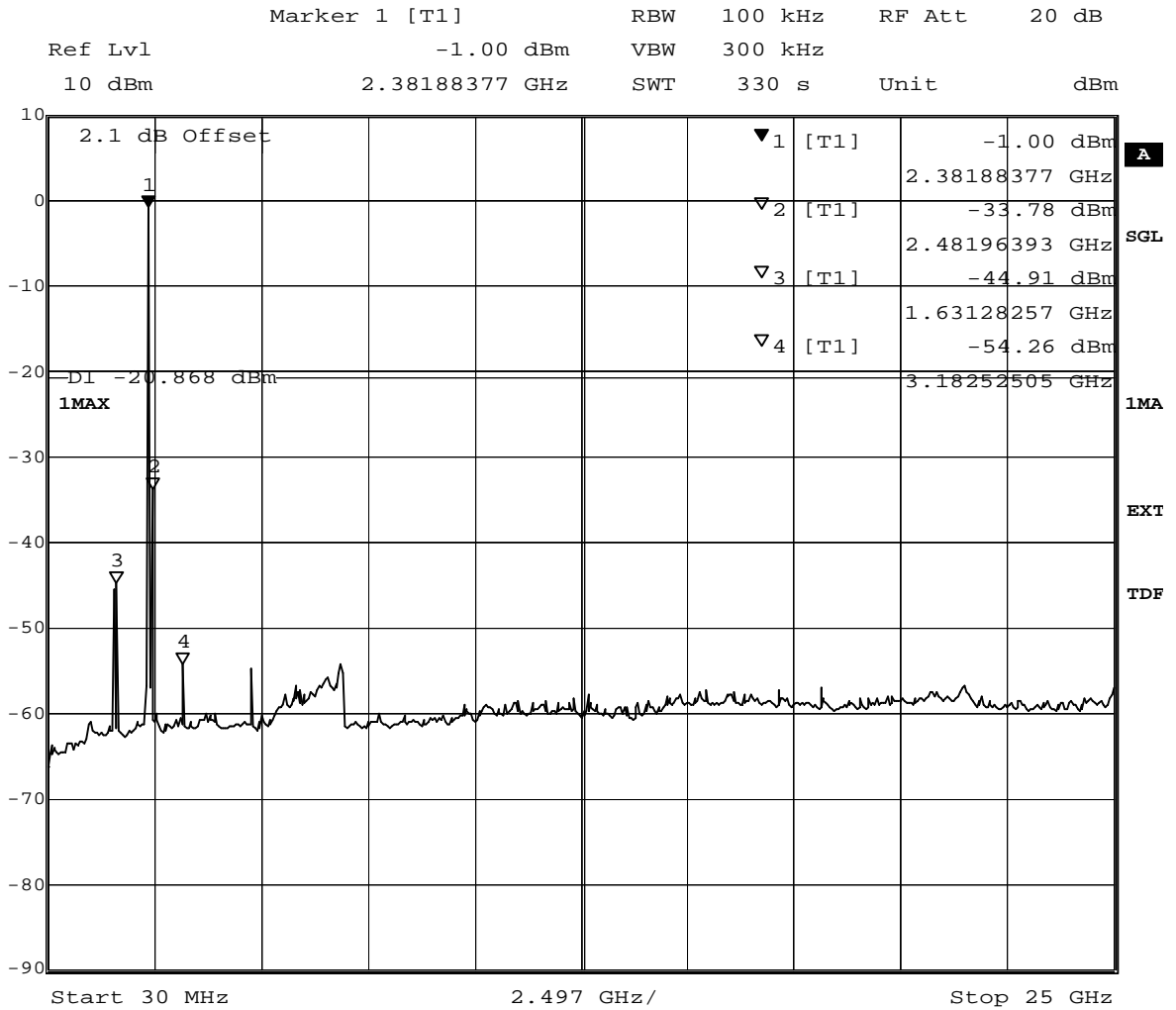
Title: Band Edge Compliance  
 Comment A: CH B: 2402 MHz  
 Date: 23.APR.2010 12:11:17

(determination of reference value for spurious emissions measurement)

### 7.4.2 Spurious RF conducted emissions operating mode 1

#### Op. Mode

op-mode 1



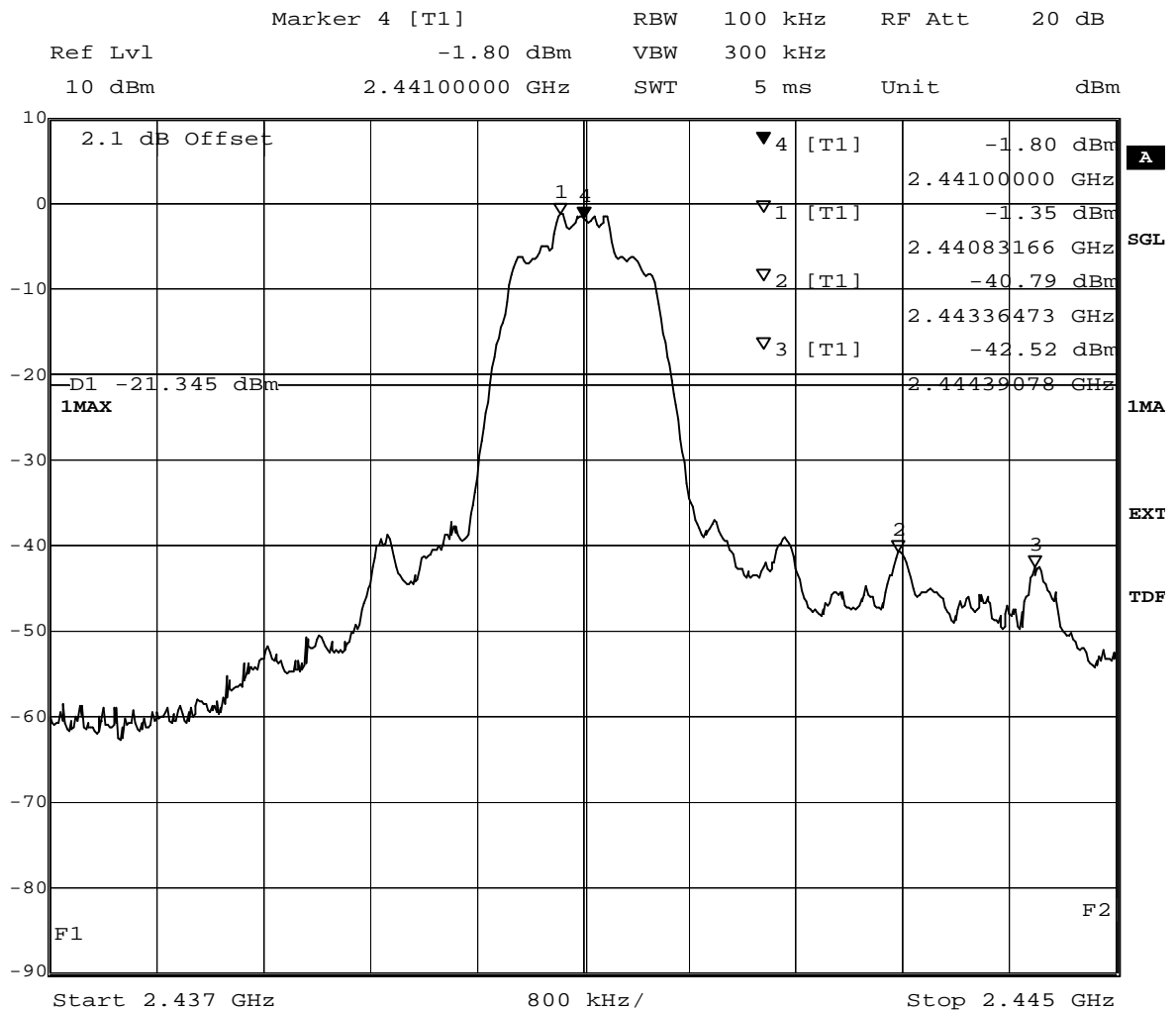
Title: spurious emissions  
 Comment A: CH B: 2402 MHz  
 Date: 23.APR.2010 12:22:56

(spurious emissions measurement)

### 7.4.3 Spurious RF conducted emissions operating mode 7

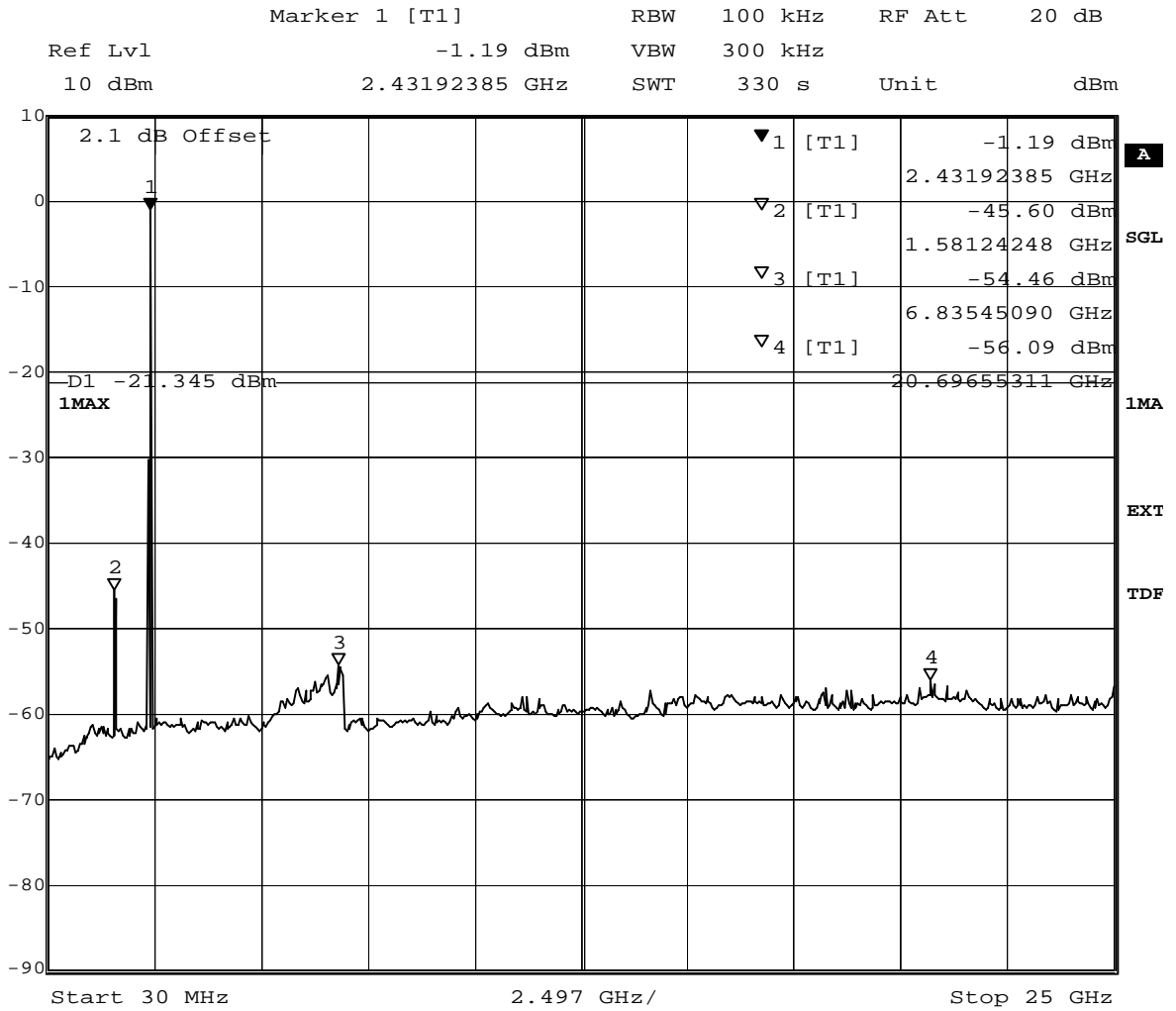
#### Op. Mode

op-mode 7



Title: Band Edge Compliance  
 Comment A: CH M: 2441 MHz  
 Date: 23.APR.2010 15:19:08

(determination of reference value for spurious emissions measurement)



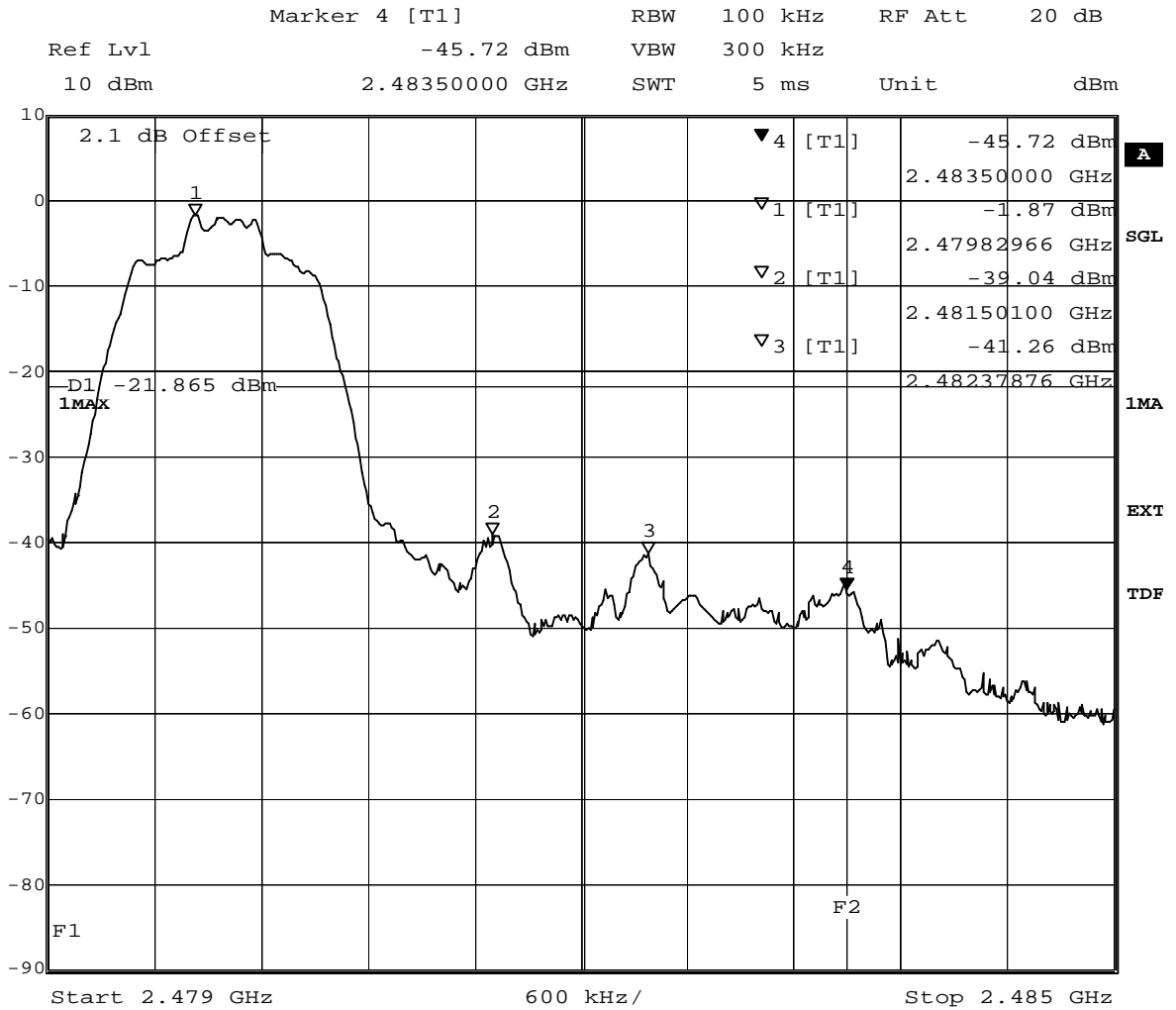
Title: spurious emissions  
 Comment A: CH M: 2441 MHz  
 Date: 23.APR.2010 15:30:47

(spurious emissions measurement)

### 7.4.4 Band edge compliance conducted operating mode 12

#### Op. Mode

op-mode 12



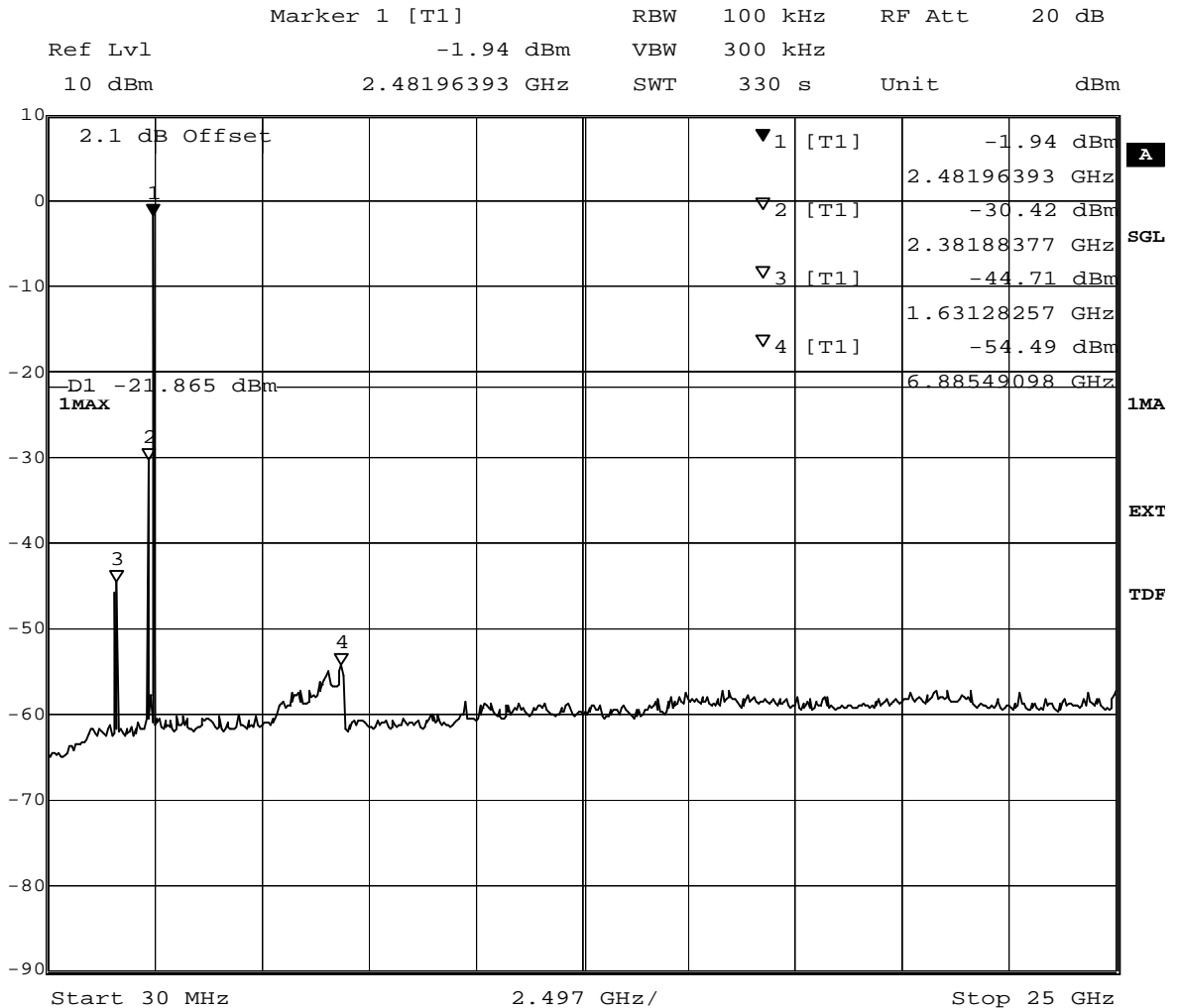
Title: Band Edge Compliance  
 Comment A: CH T: 2480 MHz  
 Date: 23.APR.2010 14:35:51

(determination of reference value for spurious emissions measurement)

### 7.4.5 Spurious RF conducted emissions operating mode 12

#### Op. Mode

op-mode 12



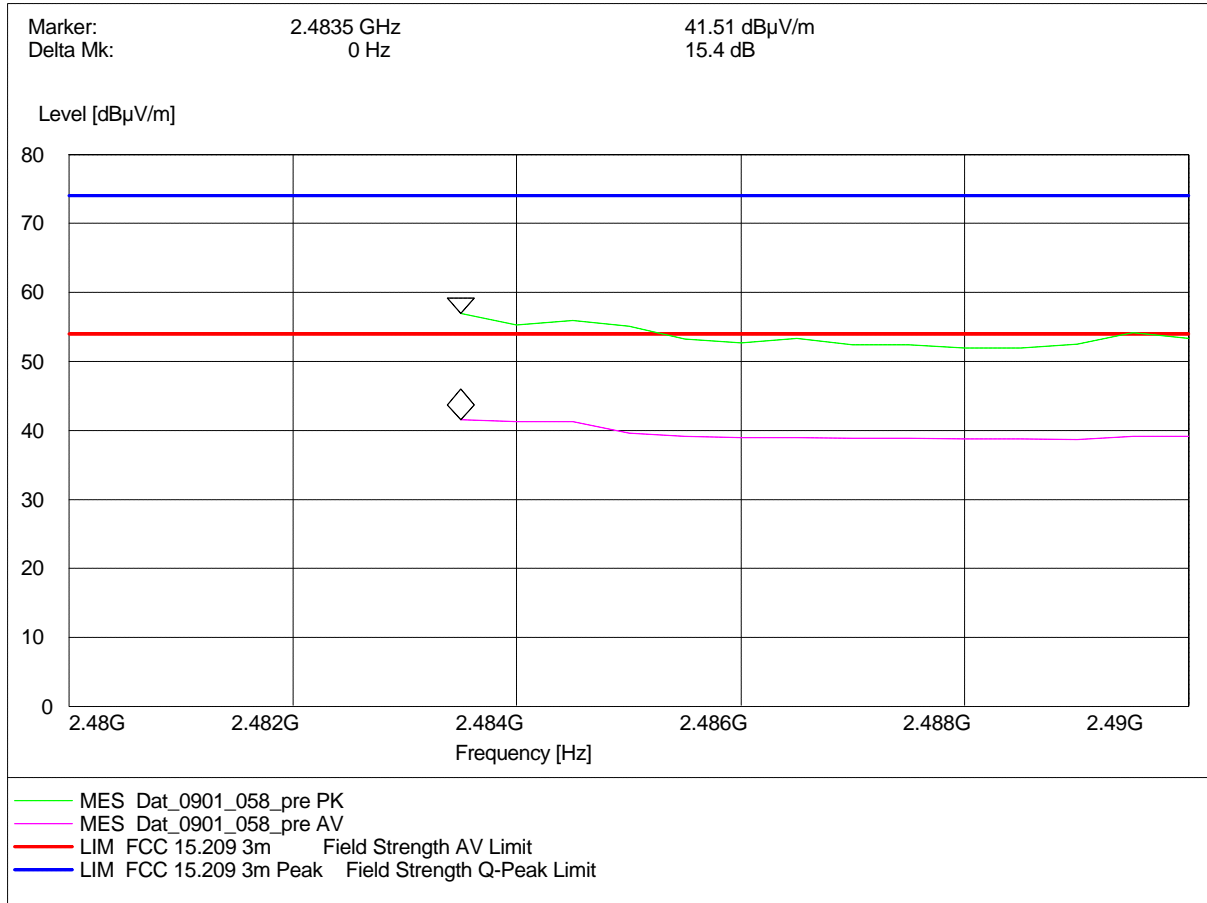
Title: spurious emissions  
 Comment A: CH T: 2480 MHz  
 Date: 23.APR.2010 14:47:29

(spurious emissions measurement)

## 7.5 Band edge compliance radiated

### Op. Mode

op-mode 3-co



Radiated measurement (higher band edge)

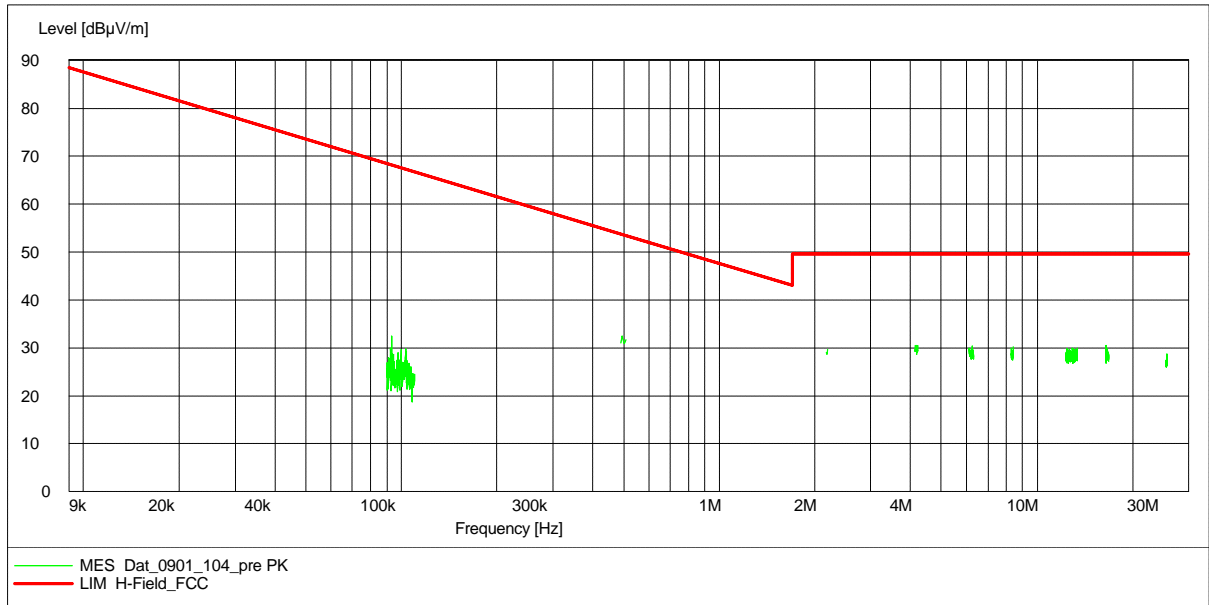


## 7.6 Radiated emissions (f < 30 MHz)

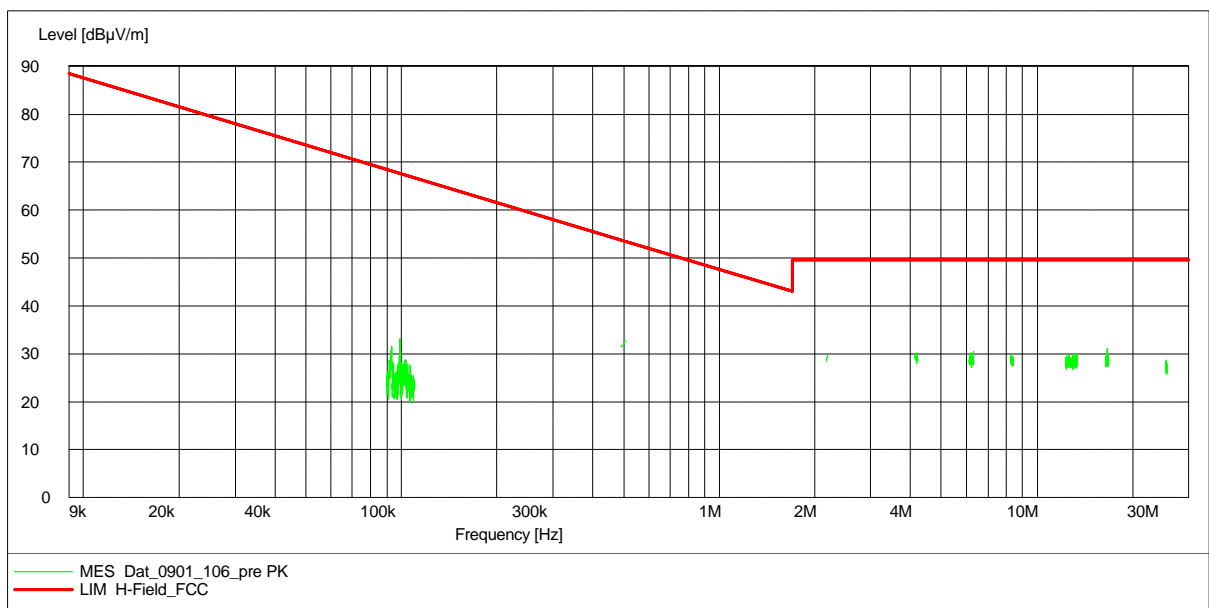
### Op. Mode

op-mode 2-co

Antenna position 90°  
EUT position front side



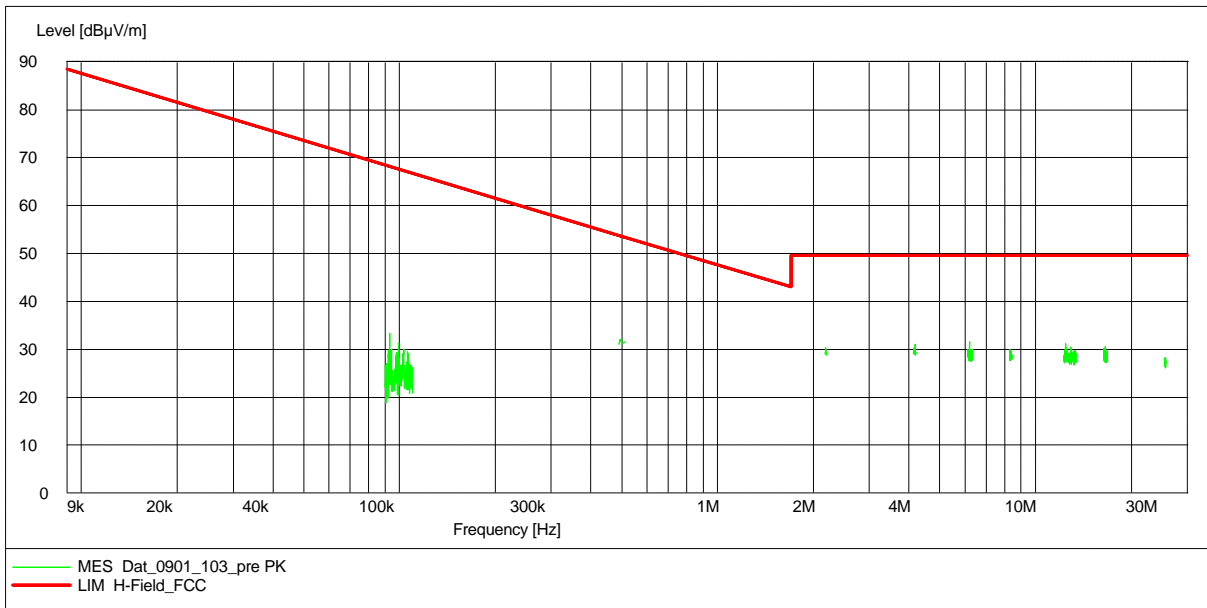
Antenna position 90°  
EUT position right side



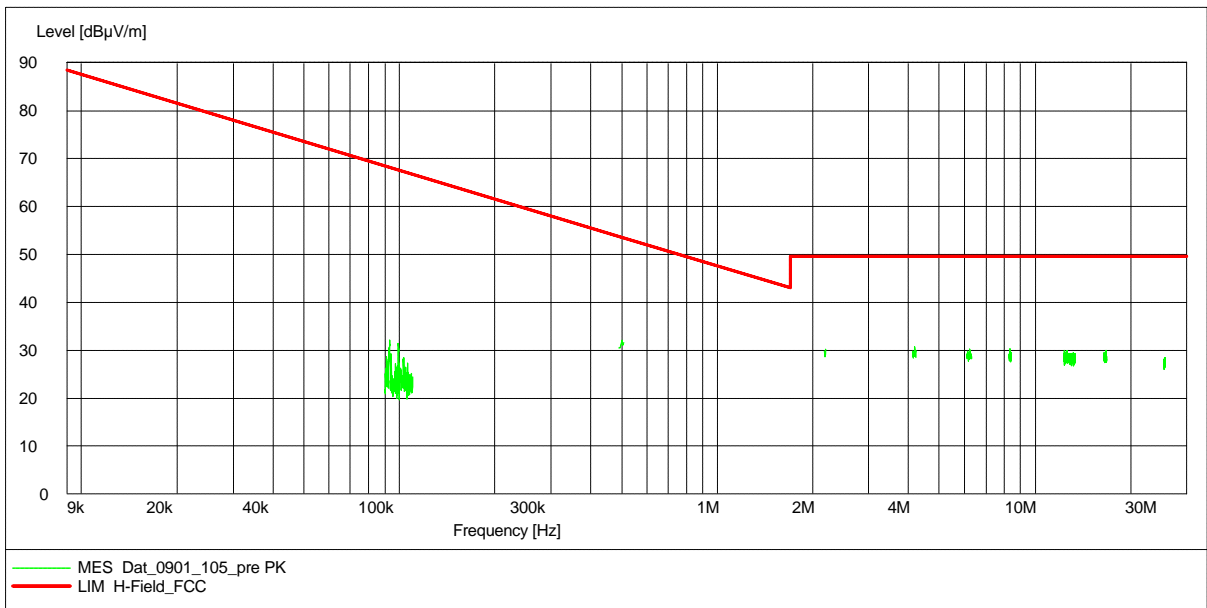
**Op. Mode**

op-mode 2-co

Antenna position 0°  
EUT position front side



Antenna position 0°  
EUT position right side

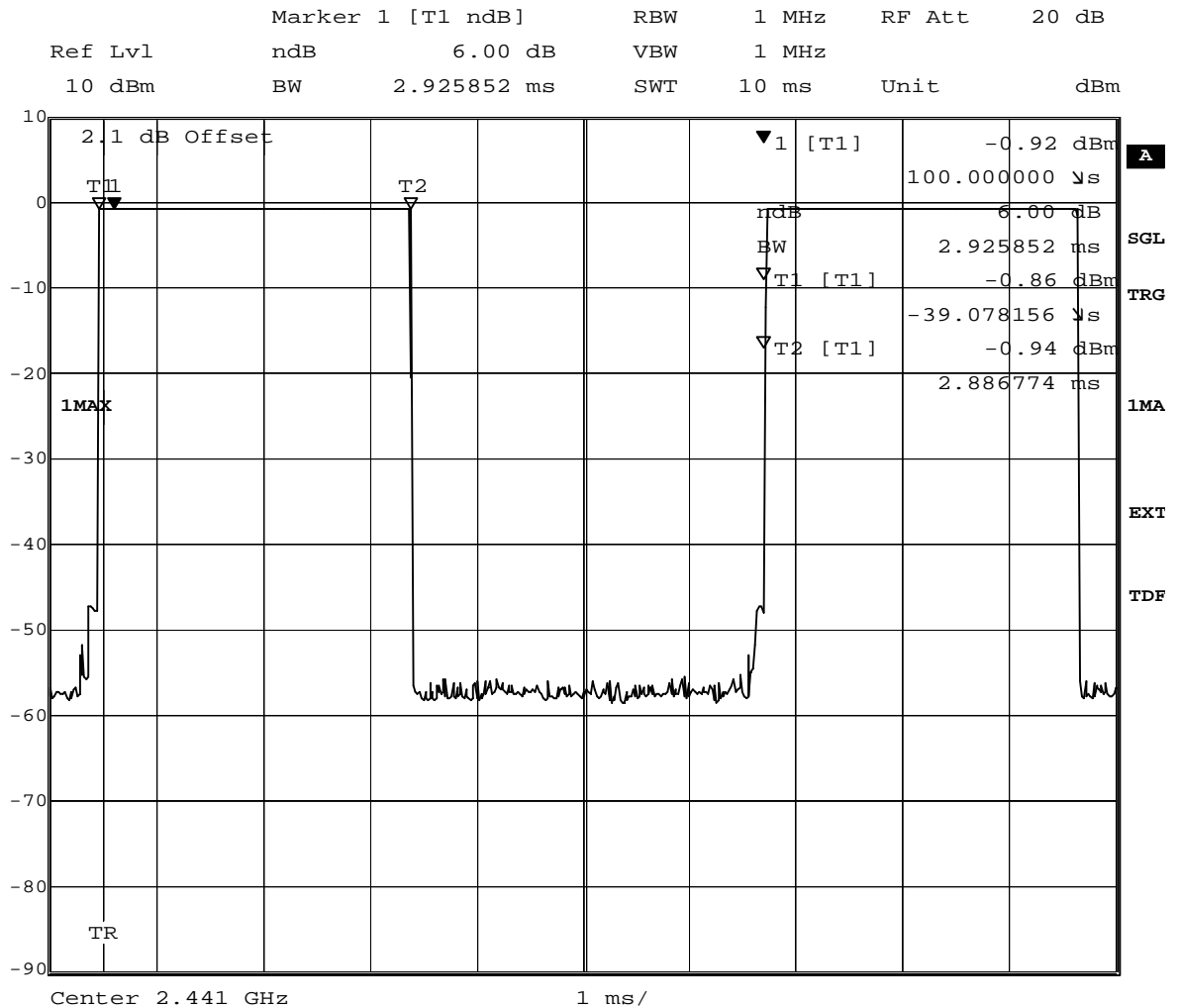




## 7.7 Dwell time

### Op. Mode

op-mode 2 Time slot measurement of a DH5 packet

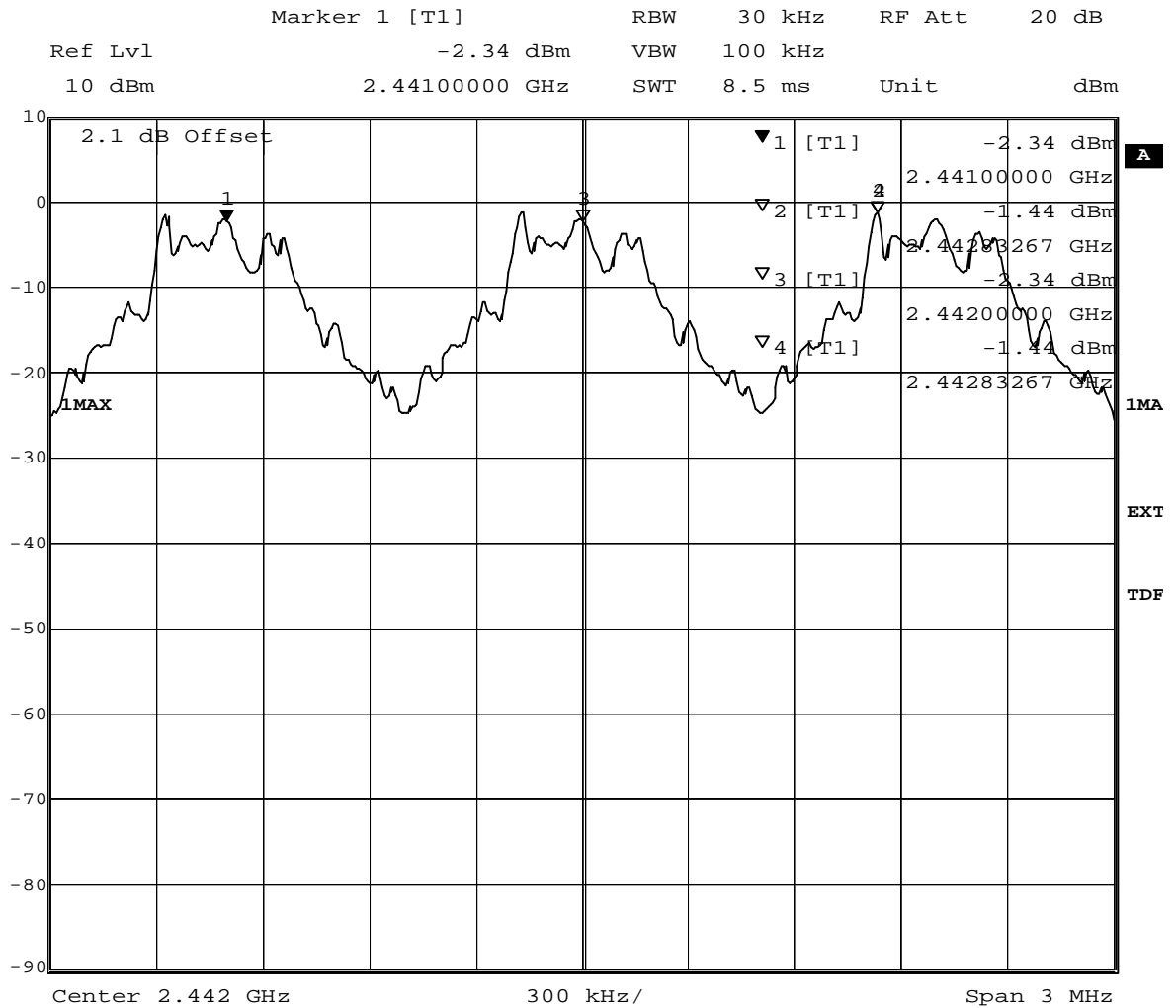


Title: Dwell time  
 Comment A: CH M: 2441 MHz  
 Date: 23.APR.2010 13:47:11

## 7.8 Channel separation

### Op. Mode

op-mode 4



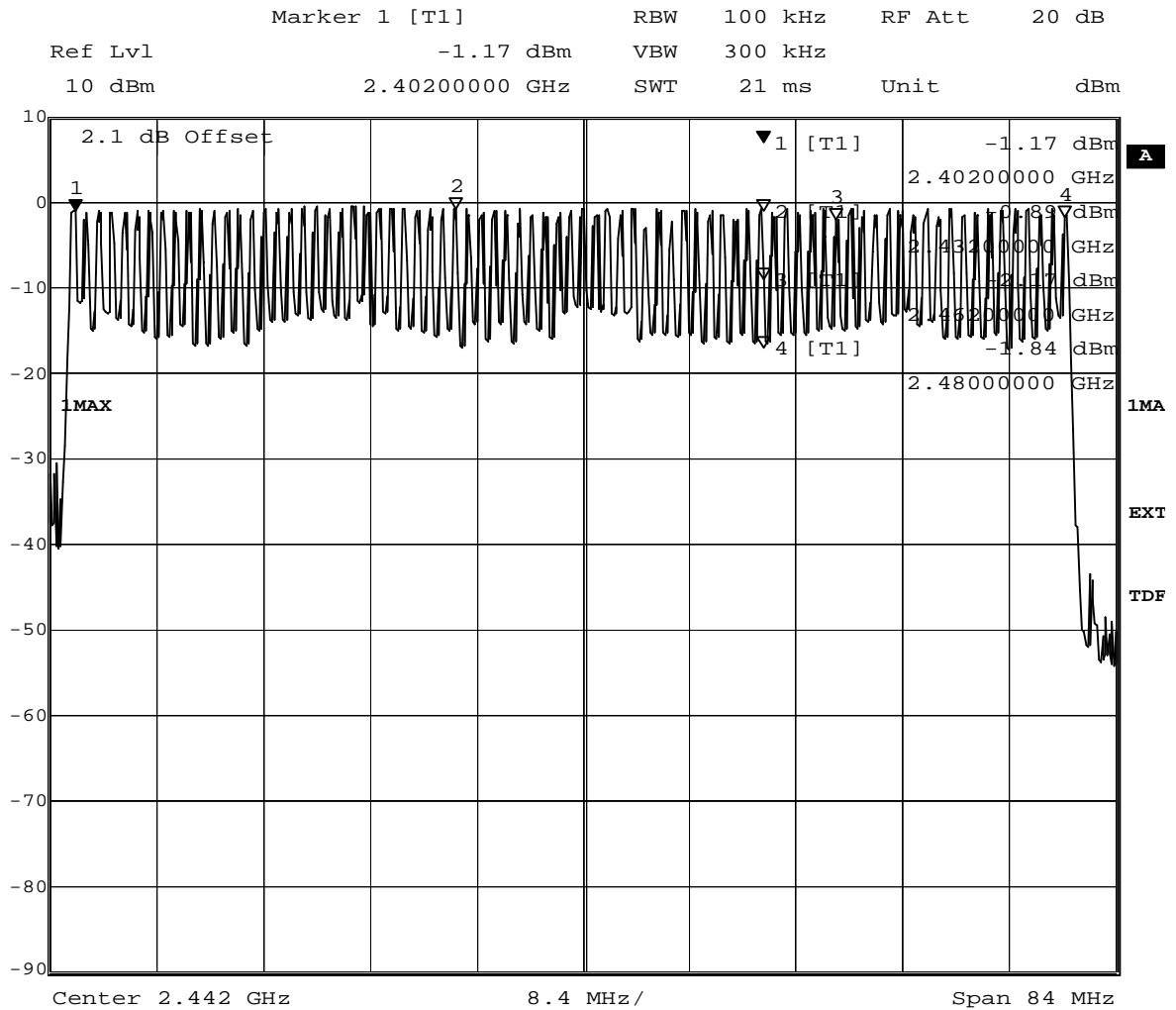
Title:            Number of hopping frequencies  
 Comment A:    CH H: Hopping  
 Date:           23.APR.2010 13:50:05



## 7.9 Number of hopping frequencies

### Op. Mode

op-mode 4



Title: Number of hopping frequencies  
Comment A: CH H: Hopping  
Date: 23.APR.2010 13:52:25