

FCC Part 15C Compliance Test Report

Test Report no.:	Tre_FCC_0843_03.doc	Date of Report:	04-Nov-2008
Number of pages:	29	Customer's Contact person:	Ole Soerensen
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FCC listing no.:	94436		
IC recognition no.:	3608		
Tested devices/ accessories:	Phone RM-368 / Battery BL-5F, AC charger AC-8E, Headset HS-47		
FCC ID:	QTKRM-368	IC:	661AD-RM368
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart C, ANSI C63.4 (2003), Public Notice DA 00-705, DTS procedures KDB 558074, IC standards RSS-GEN (Issue 2, June 2007) and RSS-210 (Issue 7, June 2007). Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		
Documentation:	The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.		
Test Results:	The EUT complies with the requirements in respect of all parameters subject to the test. The test results relate only to devices specified in this document.		
Date and signature for the contents:			

Petteri Suni, Test System Manager

1. Summary for FCC Part 15C Compliance Test Report

Date of receipt	21-Oct-2008
Testing completed	27-Oct-2008
The customer's contact person	Ole Soerensen
Test Plan referred to	T:\Projects\RM-368\TestPlan_RS\RS_Testplan_RM-368.xls
Notes	
Document name	T:\Projects\RM-368\EMC\Results\FCC\Tre_FCC_0843_03.doc

1.1. EUT and Accessory Information

The EUT is a 7-band (GSM850/900/1800/1900 and WCDMA Band I/II(1900)/VIII) mobile phone with GPRS, EGPRS, Bluetooth and WLAN. Bluetooth and WLAN are tested with maximum rated TX power.

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-368	004401102099377	0342	-	su4.00	41677
Battery	BL-5F	-	-	-	-	41680
AC Charger	AC-8E Friwo	3997918034110300844;0675387	0.3	ver 03		41672
Headset	HS-47	-	-	-	-	41681
Phone	RM-368	004401103820763	0342	-	su4.00	41678
Battery	BL-5F	-	-	-	-	41679
AC Charger	AC-8E Friwo	3997918034110300843;0675387	0.3	ver 03		41673
Headset	HS-47	-	-	-	-	41682

1.2. Summary of Test Results

WLAN:

Section in CFR 47	Section in RSS-GEN or RSS-210	Name of the test	Result
15.247(b)(1)	A8.4 (4)	Conducted peak output power	PASSED
15.247(d)	A8.5	Band edge compliance of RF emissions	NP
15.247(d)	A8.5	Spurious RF conducted emissions	PASSED
15.247(d), 15.209	A8.5	Spurious radiated emissions	PASSED
15.207	7.2.2	AC powerline conducted emissions	PASSED
15.247(a)(2)	A8.2 (1)	6 dB bandwidth	PASSED
15.247(e)	A8.2 (2)	Power spectral density	PASSED

PASSED

FAILED

NP

The EUT complies with the essential requirements in the standard.

The EUT does not comply with the essential requirements in the standard.

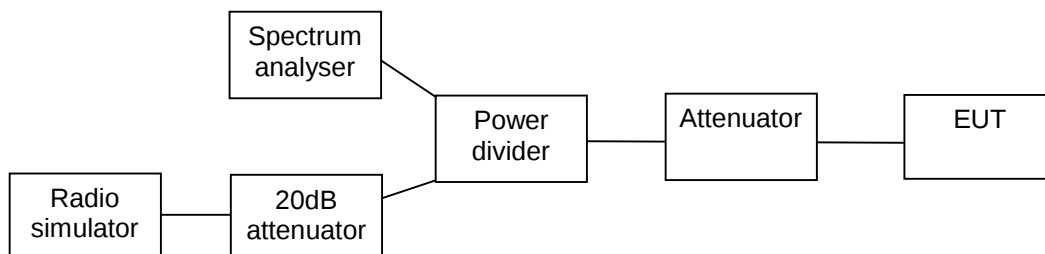
The test was not performed by the TCC Nokia Tampere Laboratory.

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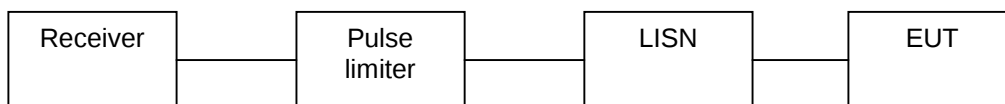
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2. Test setups

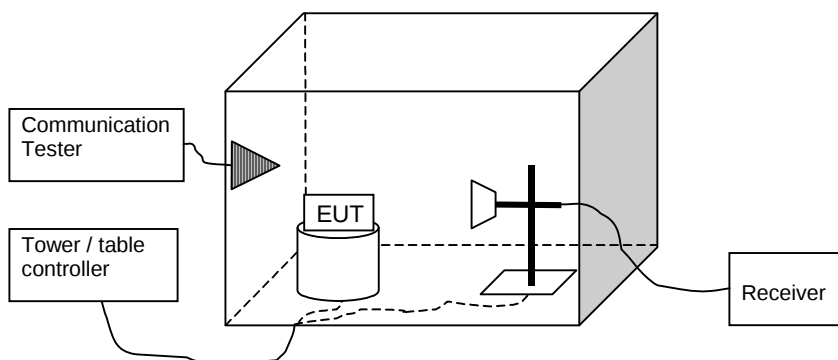
2.1. Conducted RF test setup



2.2. AC powerline conducted emissions test setup



2.3. Radiated test setup



3. Conducted peak output power (FCC §15.247(b)(1), RSS-210 A8.4 (4))

EUT with DUT number	RM-368 DUT 41678
Accessories with DUT numbers	BL-5F DUT 41679 / AC-8E DUT 41673 / HS-47 DUT 41682
Operation Voltage [V] / [Hz]	115/60
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.4
Date of measurements	23-Oct-2008
Measured by	Petteri Suni

3.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for conducted peak output power measurements

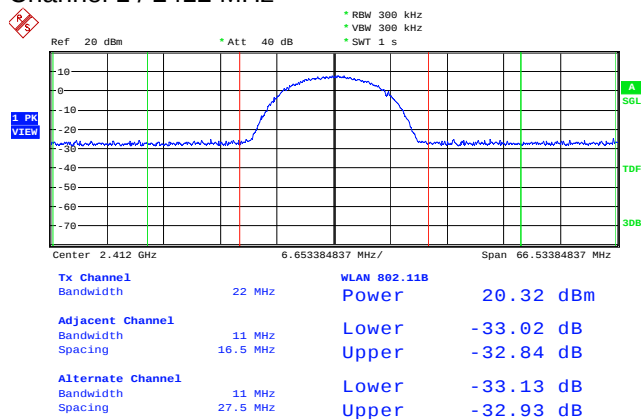
Frequency range [MHz]	Limit [W]	Limit [dBm]
2400 – 2483.5	≤ 1	≤ 30

3.2. WLAN Test results

3.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

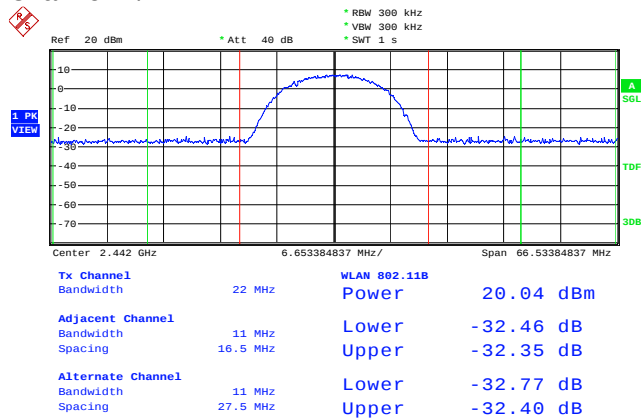
Channel / f_c [MHz]	P [dBm]	P [W]	Result
1 / 2412	20.32	0.108	PASSED
7 / 2442	20.04	0.101	PASSED
11 / 2462	20.32	0.108	PASSED

Channel 1 / 2412 MHz



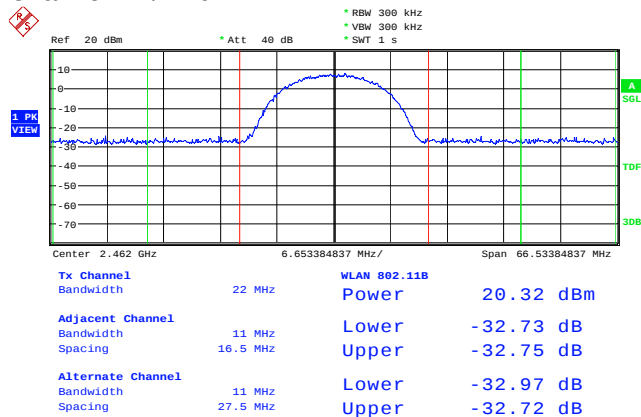
Date: 23.OCT.2008 15:08:45

Channel 7 / 2442 MHz



Date: 23.OCT.2008 14:42:29

Channel 11 / 2462 MHz

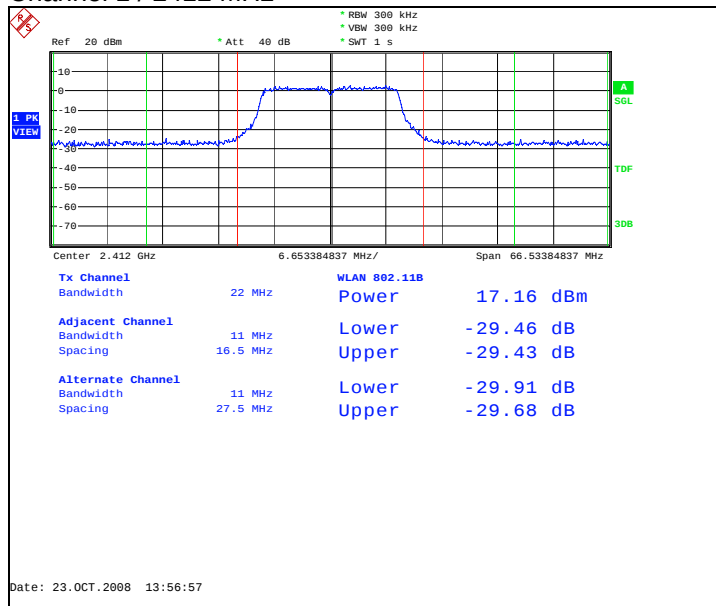


Date: 23.OCT.2008 14:53:47

3.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

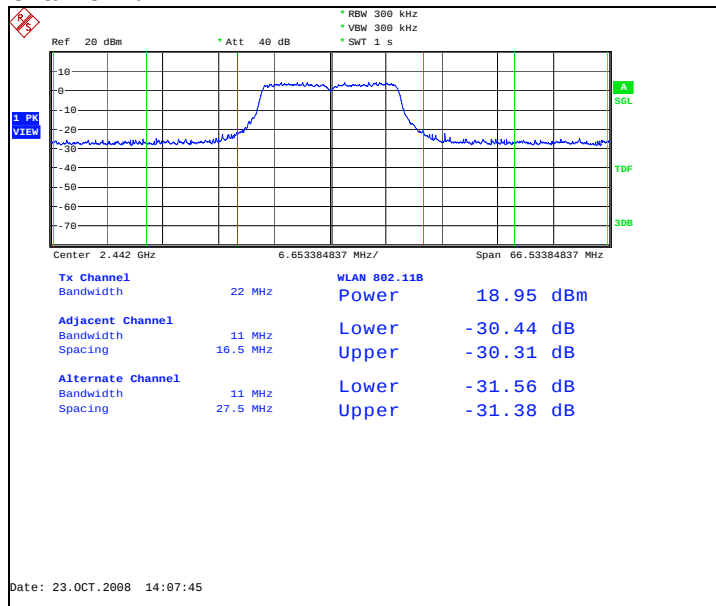
Channel / f _c [MHz]	P [dBm]	P [W]	Result
1 / 2412	17.16	0.052	PASSED
7 / 2442	18.95	0.079	PASSED
11 / 2462	17.01	0.050	PASSED

Channel 1 / 2412 MHz

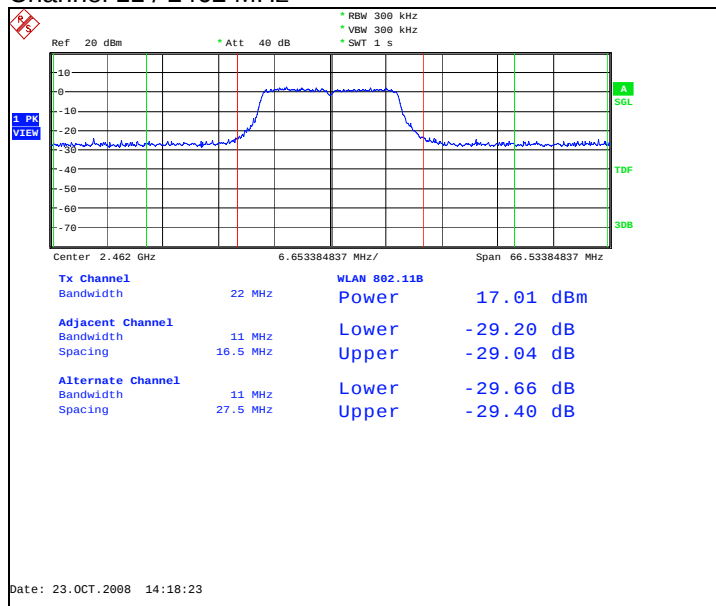


Date: 23.OCT.2008 13:56:57

Channel 7 / 2442 MHz



Channel 11 / 2462 MHz



4. Spurious RF conducted emissions (FCC §15.247(d), RSS-210 A8.5)

EUT with DUT number	RM-368 DUT 41678
Accessories with DUT numbers	BL-5F DUT 41679 / AC-8E DUT 41673 / HS-47 DUT 41682
Operation Voltage [V] / [Hz]	115/60
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.4
Date of measurements	23-Oct-2008
Measured by	Petteri Suni

4.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

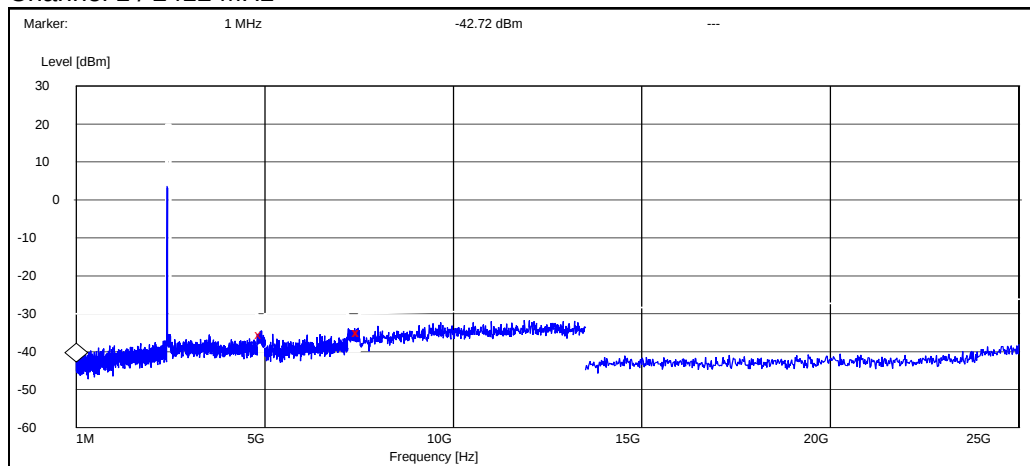
Limits for spurious RF conducted emissions measurements

Frequency range [MHz]	Limit [dBc]
1 – 25000	≤ -20

4.2. WLAN Test results

4.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

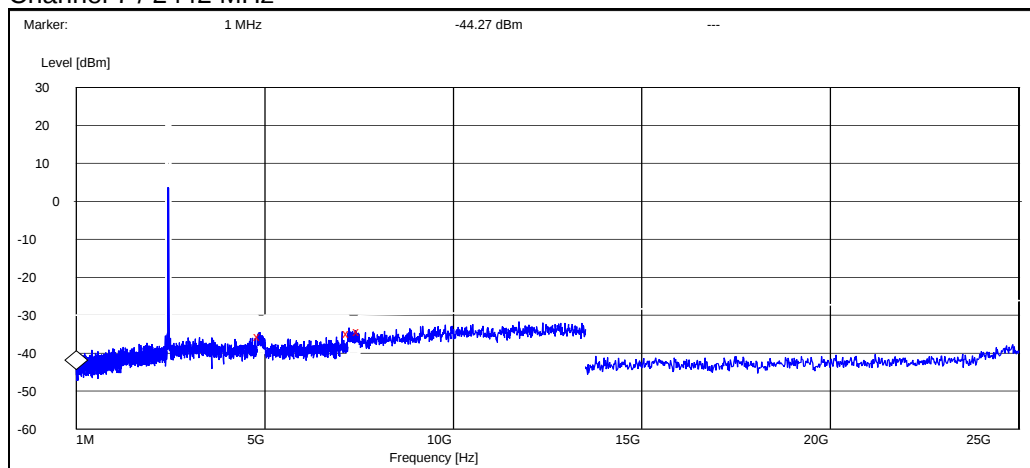
Channel 1 / 2412 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4902.243590	-37.41701	PASSED
7472.115385	-37.91701	PASSED
7500.000000	-37.81701	PASSED

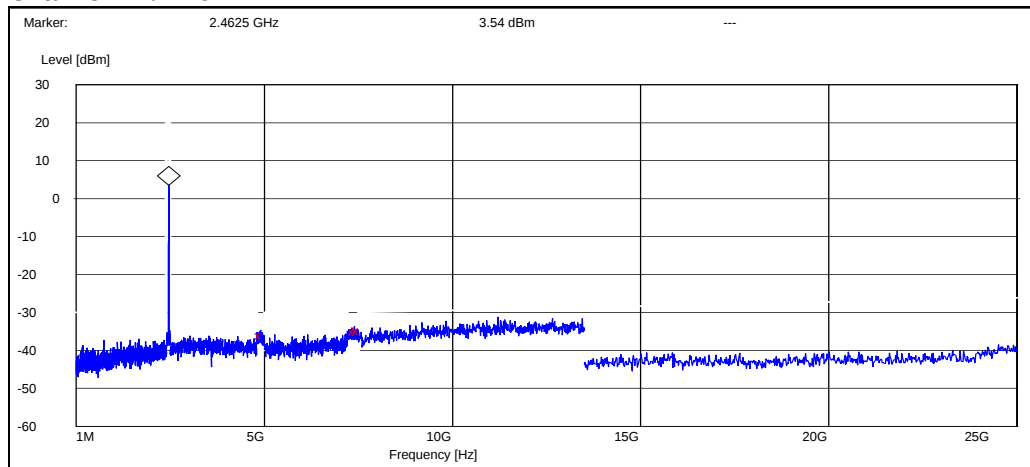
Channel 7 / 2442 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4865.705128	-38.67385	PASSED
7227.403846	-39.47385	PASSED
7500.000000	-40.07385	PASSED

Channel 11 / 2462 MHz

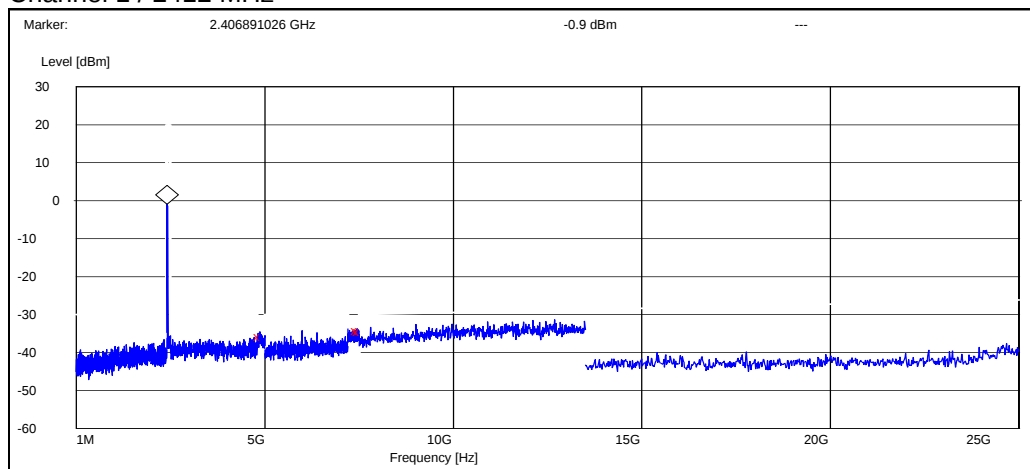


Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4910.576923	-39.541913	PASSED
7391.346154	-38.641913	PASSED
7500.000000	-38.341913	PASSED

4.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

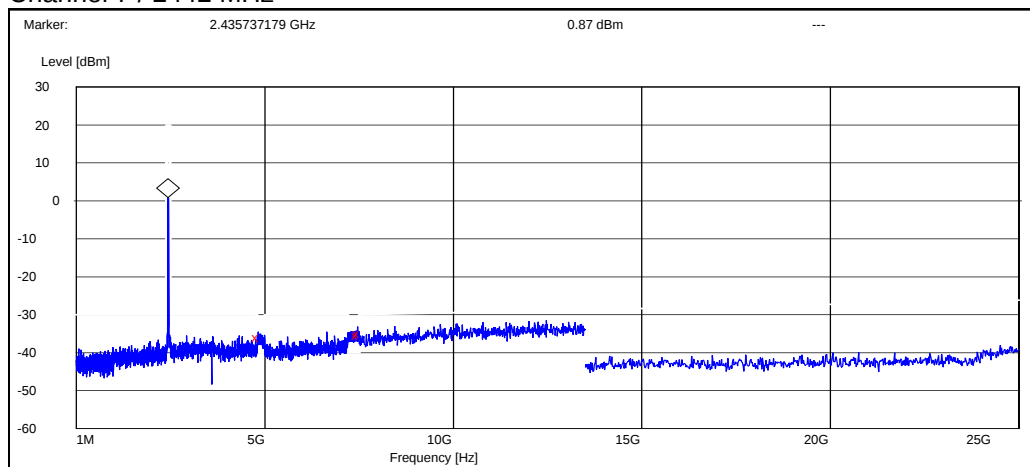
Channel 1 / 2412 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4867.628205	-34.801239	PASSED
7446.634615	-33.301239	PASSED
7500.000000	-33.501239	PASSED

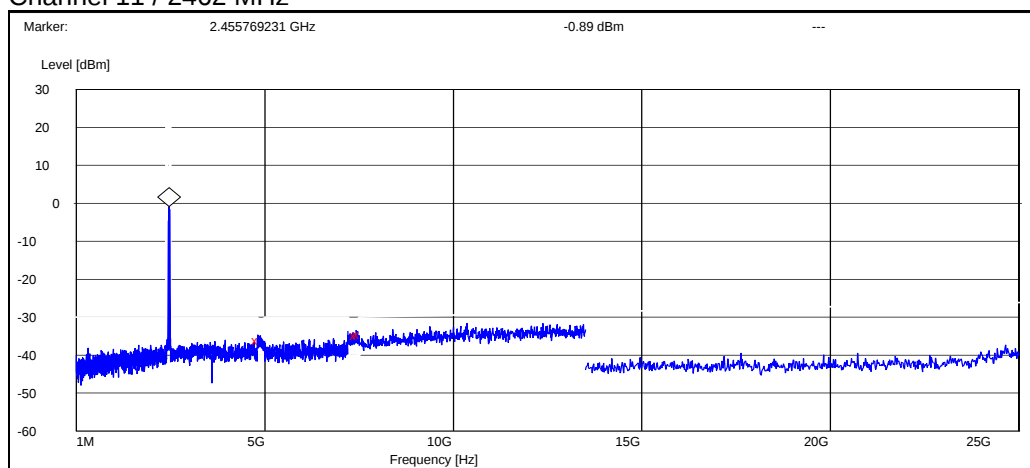
Channel 7 / 2442 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4827.243590	-36.870971	PASSED
7459.134615	-36.170971	PASSED
7500.000000	-35.670971	PASSED

Channel 11 / 2462 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4807.692308	-35.208204	PASSED
7424.038462	-33.908204	PASSED
7500.000000	-33.508204	PASSED

5. Spurious radiated emissions (FCC §15.247(d), §15.209, RSS-210 A8.5)

EUT with DUT number	RM-368 DUT 41677
Accessories with DUT numbers	BL-5F DUT 41680, AC-8E DUT 41672, HS-47 DUT 41681
Operation Voltage [V] / [Hz]	115 / 60
Result	PASSED
Remarks	Slide open
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 99.4
Date of measurements	27-Oct-2008
Measured by	Jari Jantunen

5.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210 as follows:

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with absorbers on the floor and measuring antenna at fixed height using 2-axis EUT position system.

The Final Measurement is performed in the Semi-Anechoic Chamber with conducting metal floor, if the Preliminary Measurement results are closer than 20 dB to the permissible value.

The EUT is placed at nonconductive plate at the turntable center.

For each suspected frequency, the turntable is rotated 360 degrees and antenna is scanned from 1 to 4 m. This is repeated for both horizontal and vertical receive antenna polarizations.

The emissions less than 20 dB below the permissible value are reported.

The measurement results are obtained as described below:

$$E [\mu V/m] = U_{RX} + A_{TOT}$$

Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable loss, antenna factor and preamplifier gain ($A_{TOT} = L_{CABLES} + AF - G_{PREAMP}$).

Limits for spurious radiated emissions measurements (3 m measurement distance)

Frequency range [MHz]	Limit [$\mu\text{V/m}$]	Limit [dB $\mu\text{V/m}$]	Detector
30 – 88	100	40	Quasi peak
88 – 216	150	43.5	Quasi peak
216 – 960	200	46	Quasi peak
960 – 1000	500	54	Quasi peak
Above 1000	500	54	Average
Above 1000	5000	74	Peak

5.2. WLAN Test results

5.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

Channel 1 / 2412 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	38.70	86.10	40.70	-2.0	VERTICAL	PASSED
7236.000000	42.30	130.32	39.70	2.6	VERTICAL	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	25.60	19.05	27.60	-2.0	VERTICAL	PASSED
7236.000000	29.30	29.17	26.70	2.6	VERTICAL	PASSED

Channel 7 / 2442 MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
37.776353	25.40	18.62	39.40	-14.0	VERTICAL	PASSED
73.146092	16.30	6.53	40.10	-23.8	HORIZONTAL	PASSED
109.658717	21.50	11.89	43.50	-22.0	VERTICAL	PASSED

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
7264.523046	43.10	142.89	40.40	2.7	HORIZONTAL	PASSED
7279.063126	42.80	138.04	40.00	2.8	HORIZONTAL	PASSED
7394.291583	43.60	151.36	40.00	3.6	HORIZONTAL	PASSED
7409.817635	43.50	149.62	39.80	3.7	VERTICAL	PASSED
17974.455912	52.70	431.52	33.30	19.4	HORIZONTAL	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
7265.523046	29.60	30.20	26.90	2.7	HORIZONTAL	PASSED
7279.563126	29.90	31.26	27.10	2.8	HORIZONTAL	PASSED
7395.291583	30.30	32.73	26.70	3.6	HORIZONTAL	PASSED
7412.817635	30.30	32.73	26.60	3.7	VERTICAL	PASSED
17981.955912	40.40	104.71	21.00	19.4	HORIZONTAL	PASSED

Channel 11 / 2462 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4924.000000	43.80	154.88	46.10	-2.3	VERTICAL	PASSED
7386.000000	43.60	151.36	40.20	3.4	VERTICAL	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4924.000000	31.40	37.15	33.70	-2.3	VERTICAL	
7386.000000	31.80	38.90	28.40	3.4	HORIZONTAL	

5.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

Channel 1 / 2412 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	39.10	90.16	41.10	-2.0	HORIZONTAL	PASSED
7236.000000	41.70	121.62	39.10	2.6	VERTICAL	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	25.90	19.72	27.90	-2.0	VERTICAL	PASSED
7236.000000	29.60	30.20	27.00	2.6	HORIZONTAL	PASSED

Channel 7 / 2442 MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
32.104810	36.00	63.10	46.20	-10.2	VERTICAL	PASSED
37.535872	27.60	23.99	41.40	-13.8	VERTICAL	PASSED
73.146092	14.70	5.43	38.50	-23.8	HORIZONTAL	PASSED

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4873.245491	41.40	117.49	43.80	-2.4	HORIZONTAL	PASSED
4877.747495	38.80	87.10	41.20	-2.4	HORIZONTAL	PASSED
7306.119238	47.10	226.46	44.20	2.9	HORIZONTAL	PASSED
7316.135271	46.90	221.31	44.00	2.9	HORIZONTAL	PASSED
17983.473948	53.70	484.17	34.30	19.4	VERTICAL	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4870.247495	26.40	20.89	28.80	-2.4	HORIZONTAL	PASSED
4876.745491	27.20	22.91	29.60	-2.4	HORIZONTAL	PASSED
7312.119238	31.90	39.36	29.00	2.9	HORIZONTAL	PASSED
7320.135271	30.60	33.88	27.70	2.9	HORIZONTAL	PASSED
17988.473948	40.50	105.93	21.00	19.5	VERTICAL	PASSED

Channel 11 / 2462 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4924.000000	41.40	117.49	43.70	-2.3	VERTICAL	PASSED
7386.000000	44.30	164.06	40.90	3.4	VERTICAL	PASSED

Average (RBW: 1 MHz, VBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4924.000000	29.10	28.51	31.40	-2.3	VERTICAL	PASSED
7386.000000	32.00	39.81	28.60	3.4	HORIZONTAL	PASSED

6. AC powerline conducted emissions (FCC §15.207, RSS-GEN 7.2.2)

EUT with DUT number	RM-368 DUT 41677
Accessories with DUT numbers	BL-5F DUT 41680, AC-8E DUT 41672, HS-47 DUT 41681
Operation Voltage [V] / [Hz]	115 / 60
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 99.4
Date of measurements	27-Oct-2008
Measured by	Jari Jantunen

6.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-GEN as follows:

The EUT is placed on a wooden table 80 cm above the reference groundplane.

The EUT is connected via LISN to a test power supply.

The measurement results are obtained as described below:

$$U [dB\mu V] = U_{RX} + A_{TOT}$$

Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable and pulse limiter attenuations.

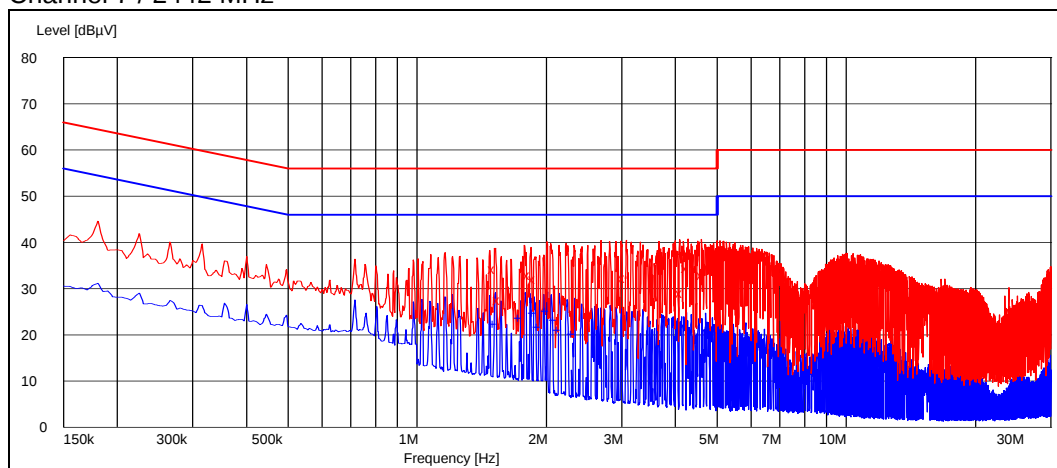
CISPR 22 Class B limits

Frequency range [MHz]	Quasi peak limit [dBμV]	Average limit [dBμV]
0.15 - 0.5	66 - 56	56 - 46
0.5 - 5	56	46
5 - 30	60	50

6.2. WLAN Test results

6.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

Channel 7 / 2442 MHz



Quasi peak (RBW: 9 kHz)

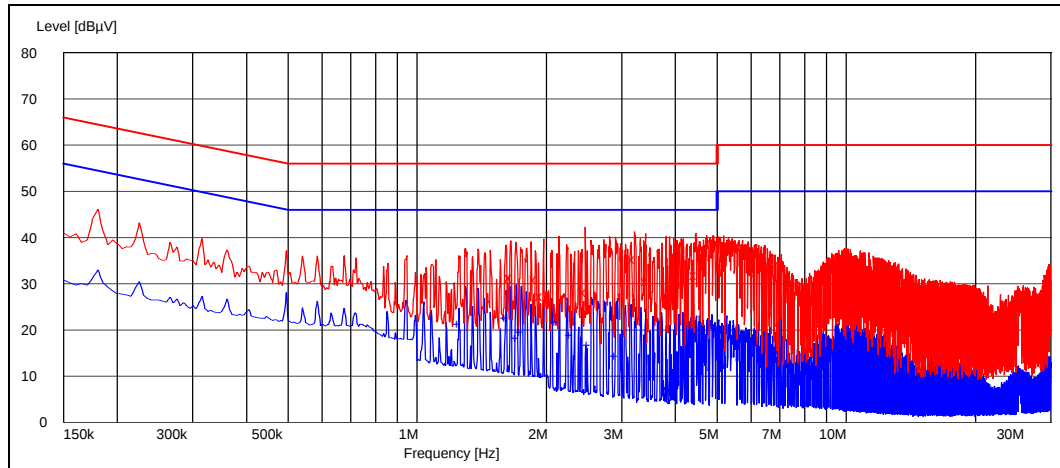
Frequency [MHz]	U [dBμV]	Line	Result
1.515000	34.10	L1	PASSED
1.555000	27.50	L1	PASSED
1.825000	32.90	L1	PASSED
1.880000	32.00	L1	PASSED
3.045000	32.20	N	PASSED
4.140000	29.00	N	PASSED
4.270000	34.40	L1	PASSED
4.635000	32.90	L1	PASSED

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
1.520000	22.30	L1	PASSED
1.740000	23.70	L1	PASSED
1.875000	24.60	L1	PASSED
1.925000	21.70	L1	PASSED
2.015000	25.10	L1	PASSED
2.100000	23.20	L1	PASSED
2.145000	21.00	L1	PASSED
2.315000	20.10	L1	PASSED

6.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

Channel 7 / 2442 MHz



Quasi peak (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
1.655000	31.50	N	PASSED
1.660000	31.10	N	PASSED
1.890000	31.00	L1	PASSED
1.955000	27.40	L1	PASSED
2.470000	28.10	L1	PASSED
3.210000	35.30	L1	PASSED
3.440000	30.50	N	PASSED
4.470000	31.80	N	PASSED

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
1.255000	21.30	L1	PASSED
1.615000	22.50	L1	PASSED
1.710000	18.20	L1	PASSED
1.750000	19.60	L1	PASSED
2.110000	21.70	N	PASSED
2.285000	18.90	N	PASSED
2.510000	16.80	N	PASSED
2.910000	14.30	N	PASSED

7. 6 dB bandwidth (FCC §15.247(a)(2), RSS-210 A8.2 (1))

EUT with DUT number	RM-368 DUT 41678
Accessories with DUT numbers	BL-5F DUT 41679 / AC-8E DUT 41673 / HS-47 DUT 41682
Operation Voltage [V] / [Hz]	115/60
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.4
Date of measurements	23-Oct-2008
Measured by	Petteri Suni

7.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for 6 dB bandwidth measurements

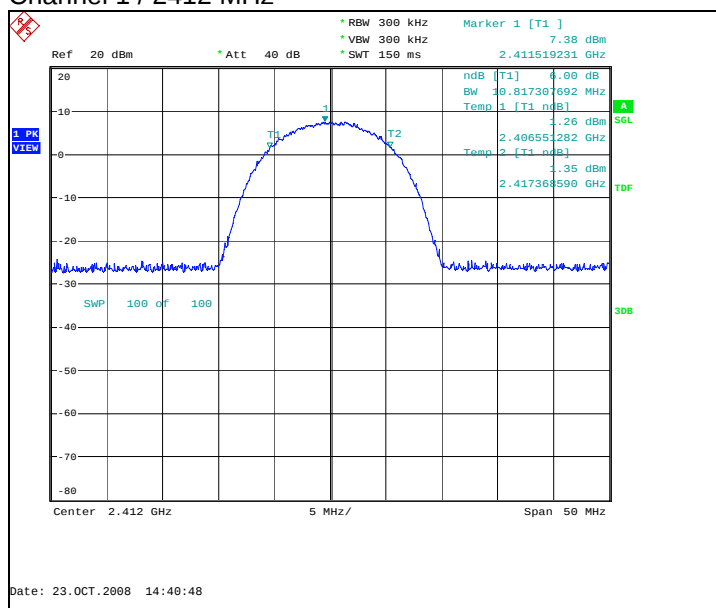
Limit [kHz]
≥ 500

7.2. WLAN test results

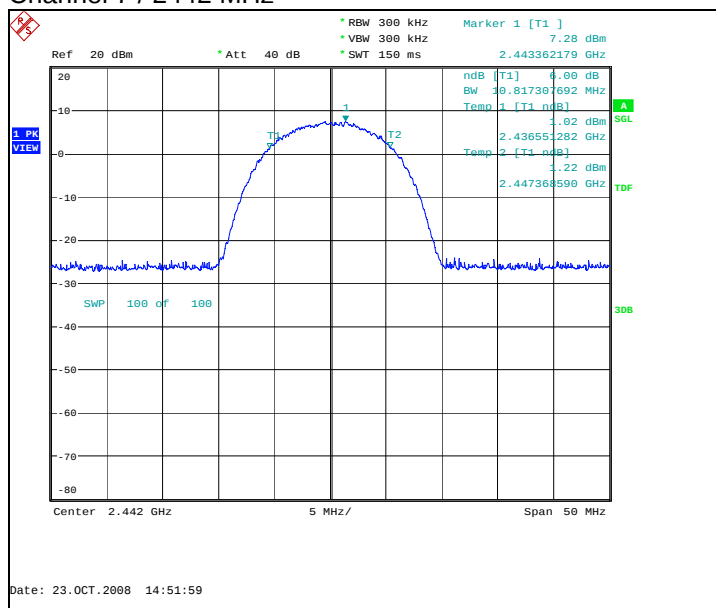
7.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

Channel / f_c [MHz]	6 dB bandwidth [kHz]	Result
1	10817.308	PASSED
7	10817.308	PASSED
11	10817.308	PASSED

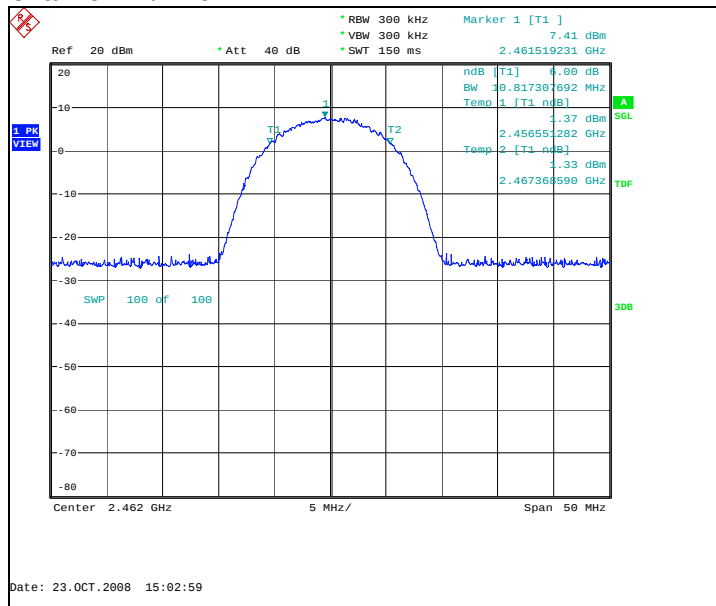
Channel 1 / 2412 MHz



Channel 7 / 2442 MHz



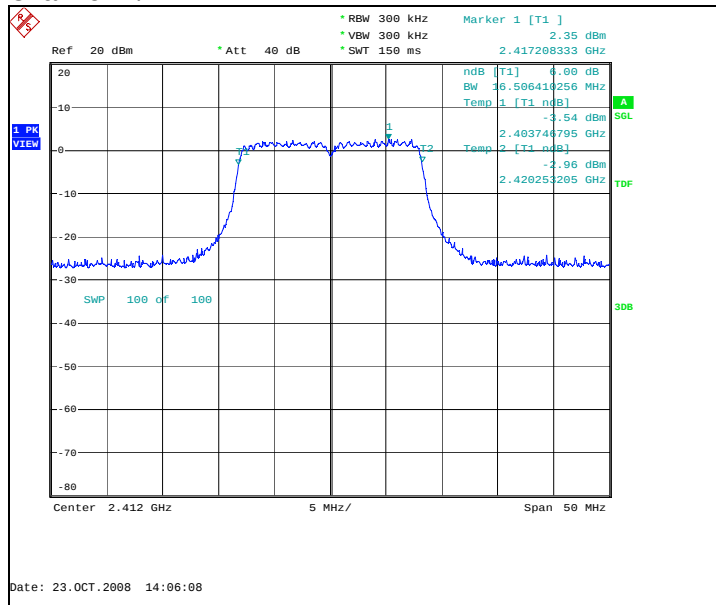
Channel 11 / 2462 MHz



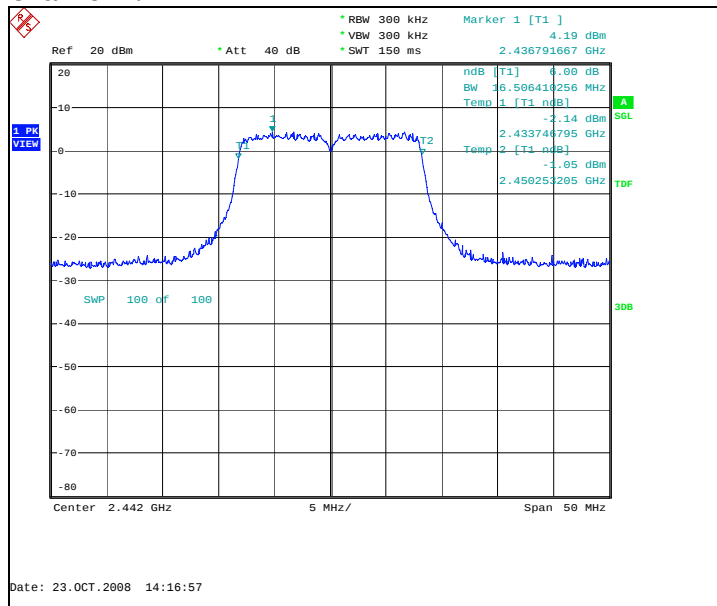
7.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

Channel / f _c [MHz]	6 dB bandwidth [kHz]	Result
1	16506.410	PASSED
7	16506.410	PASSED
11	16506.410	PASSED

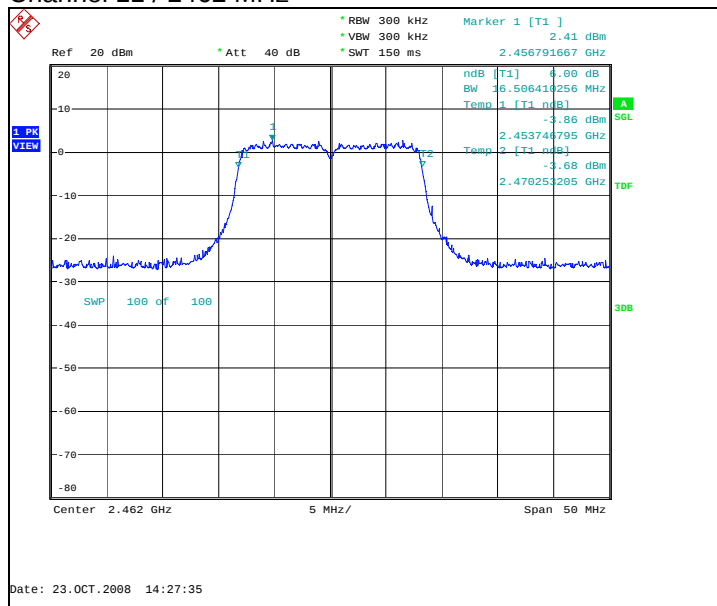
Channel 1 / 2412 MHz



Channel 7 / 2442 MHz



Channel 11 / 2462 MHz



8. Power spectral density (FCC §15.247(e), RSS-210 A8.2 (2))

EUT with DUT number	RM-368 DUT 41678
Accessories with DUT numbers	BL-5F DUT 41679 / AC-8E DUT 41673 / HS-47 DUT 41682
Operation Voltage [V] / [Hz]	115/60
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	20 / 45 / 101.4
Date of measurements	23-Oct-2008
Measured by	Petteri Suni

8.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for power spectral density measurements

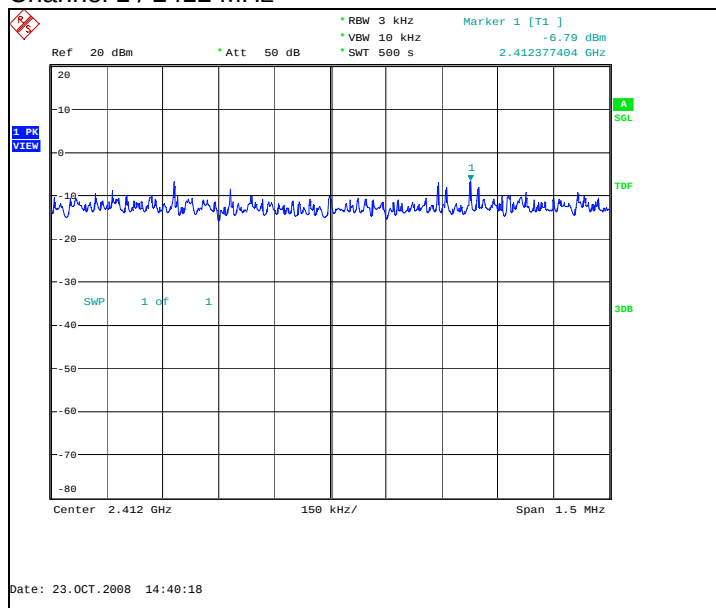
Limit [dBm] @ 3 kHz
≤ 8

8.2. WLAN test results

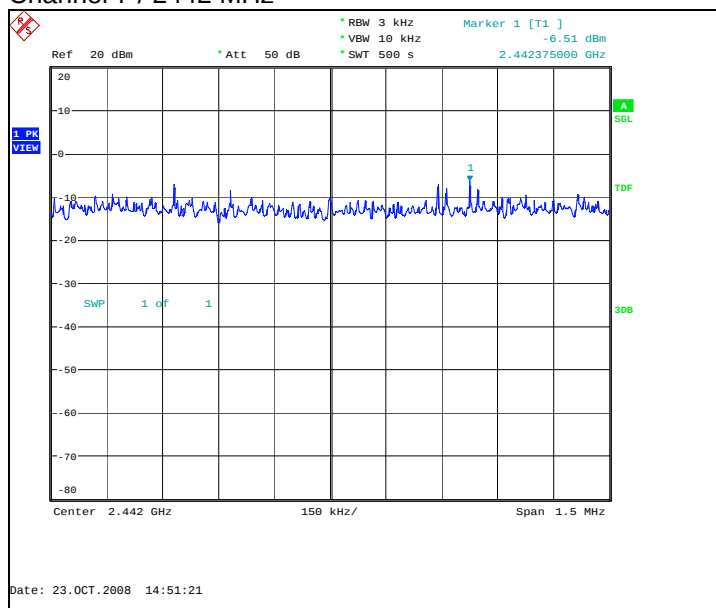
8.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

Channel / f_c [MHz]	P [dBm]	Result
1 / 2412	-6.79	PASSED
7 / 2442	-6.51	PASSED
11 / 2462	-6.75	PASSED

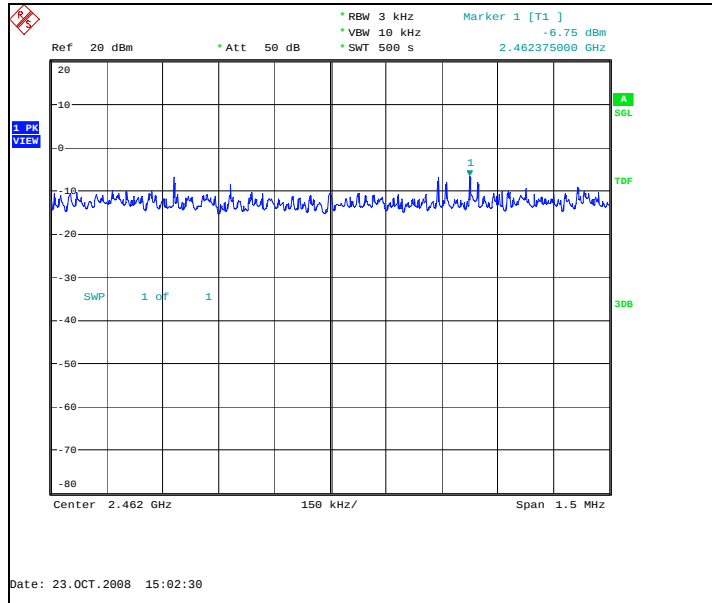
Channel 1 / 2412 MHz



Channel 7 / 2442 MHz



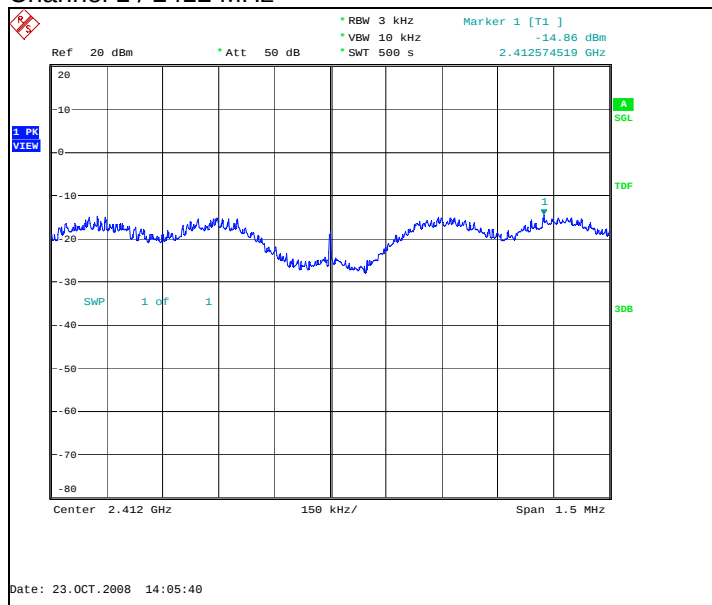
Channel 11 / 2462 MHz



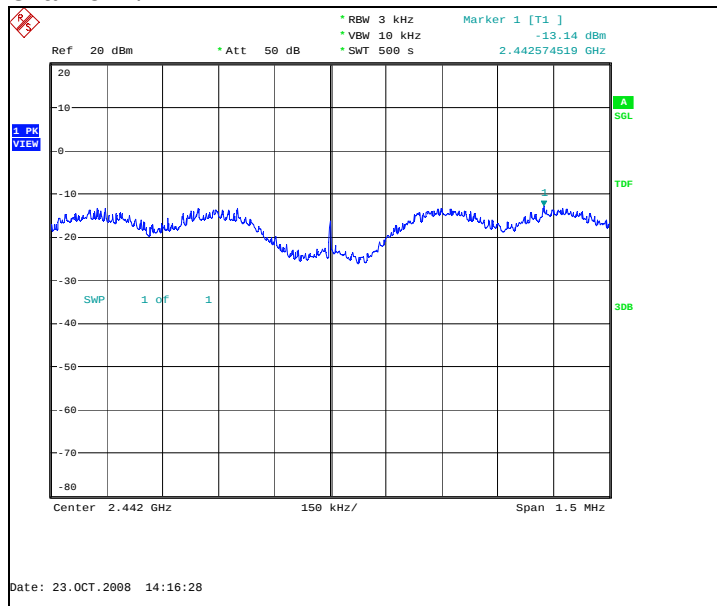
8.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

Channel / f_c [MHz]	P [dBm]	Result
1 / 2412	-14.86	PASSED
7 / 2442	-13.14	PASSED
11 / 2462	-14.62	PASSED

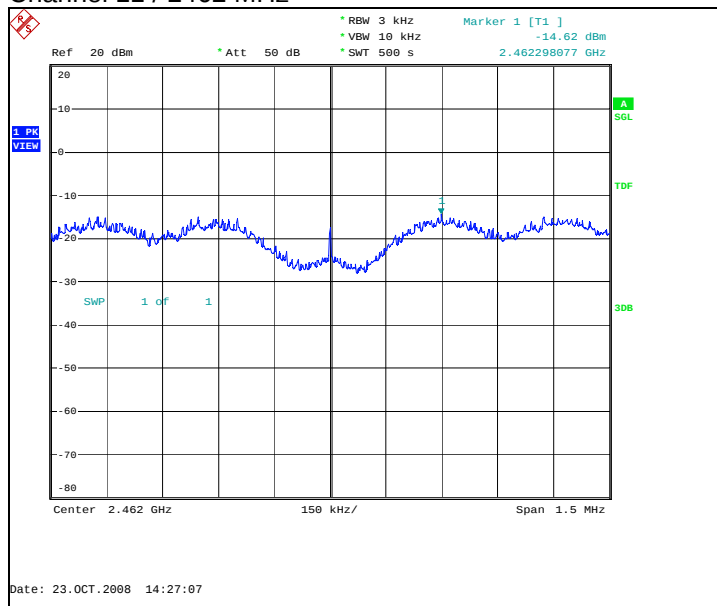
Channel 1 / 2412 MHz



Channel 7 / 2442 MHz



Channel 11 / 2462 MHz



9. Test Equipment

9.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
TM30597	Power splitter	11667A	Agilent	22/24/27, 15C
TM37499	Power splitter	11667A	Agilent	22/24/27, 15C
TM38111	Multimeter	34401A	Agilent	22/24/27, 15C
TM38112	DC power supply	6632A	Agilent	22/24/27, 15C
TM22901	Attenuator	8496A	Agilent	22/24/27, 15C
TM30636	Artificial mains net	L2-16	PMM	15C, 15B
TM37678	Radio communication tester	CMU-200	R&S	22/24/27, 15C, 15B
TM37773	Radio communication tester	CMU-200	R&S	22/24/27, 15C, 15B
TM30600	Pulse Limiter	ESH3-Z2	R&S	15C, 15B
TM26490	LISN 50 μ H	ESH3-Z5	R&S	15C, 15B
TM37610	Spectrum analyzer	FSU	R&S	22/24/27, 15C
TM22835	Multimeter	87	Fluke	15C, 15B
TM37500	Microwave switch system	7116-MSW	Keithley	22/24/27, 15C, 15B
TM22638	Power supply	OL63743-901	Transmatic	22/24/27, 15C, 15B
	Temperature chamber	VT4002	Vötsch	22/24/27, 15C
2058	EMI Test receiver	ESPC	R&S	15C, 15B
2001	Bluetooth tester	CBT	R&S	22/24/27, 15C, 15B
2002	Radio communication tester	CMU-200	R&S	22/24/27, 15C, 15B

9.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
TM30599	3m semi-anechoic chamber		TDK	22/24/27, 15C, 15B
TM38845	EMI receiver	ESI 40	R&S	22/24/27, 15C, 15B
TM37498	Preamplifier	AMF-5D-020180-26-10P	MITEQ	22/24/27, 15C, 15B
TM37523	Preamplifier	AMF-4D-10M-3G-25-20P	MITEQ	22/24/27, 15C, 15B
TM37516	Biconilog antenna	HL562	R&S	22/24/27, 15C, 15B
TM26496	Double ridged waveguide antenna	3115	EMCO	22/24/27, 15C, 15B
TM39158	Horn antenna	3116	EMCO	22/24/27, 15C, 15B
TM26492	Reference dipole set	UHAP/VHAP	Schwarzbeck	22/24/27, 15C, 15B
TM37501	Dipole antenna	3125-870	EMCO	22/24/27
TM37502	Dipole antenna	3125-1880	EMCO	22/24/27
TM37773	Radio communication tester	CMU-200	R&S	22/24/27, 15C, 15B
TM38631	Signal generator	83640L	Agilent	22/24/27, 15C, 15B
TM38066	High pass filter	4HC3000/18000-3-KK	Trilithic	22/24/27, 15C, 15B
TM26511	Tunable notch filter	WRCA870	Wainwright	22/24/27
TM38215	Tunable notch filter	WRCD1850/1910-0.2/40	Wainwright	22/24/27
TM38214	Band reject filter	WRCT 2402/2480-2400/2483.5-30	Wainwright	15C
TM30642	Mast/Turntable controller	HD-100	Deisel	22/24/27, 15C, 15B
TM26500	Turntable	DS412	Deisel	22/24/27, 15C, 15B
TM38842	Antenna mast controller	2090	EMCO	22/24/27, 15C, 15B
TM38843	Antenna mast	2075	EMCO	22/24/27, 15C, 15B
TM38114	DC power supply	6632A	Agilent	22/24/27, 15C, 15B
TM38323	Preamplifier	PA-02 18-26 GHz	EMC Automation	22/24/27, 15C, 15B
TM37678	Radio communication tester	CMU-200	R&S	22/24/27, 15C, 15B
TM22638	Power supply	OL63743-901	Transmatic	22/24/27, 15C, 15B
TM23892	Yaesu controller	G-1000SDX	Yaesu	22/24/27, 15C, 15B
2001	Bluetooth tester	CBT	R&S	22/24/27, 15C, 15B

Eq. No	Equipment	Type	Manufacturer	Used in
2002	Radio communication tester	CMU-200	R&S	22/24/27, 15C, 15B