

FCC Part 15C Compliance Test Report

Test Report no.:	Cph_FCC_0651_01.doc	Date of Report:	22-12-2006
Number of pages:	18	Customer's Contact person:	Daniela Stenhoff
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FCC listing no.:	99059		
IC recognition no.:	4820 and 4820-1		
Tested devices/ accessories:	Phone: RM-268 (HW: 9000), Battery: BP-6M, AC-Charger: AC-4E, Headset: HS-23		
FCC ID:	QTKRM-268	IC:	661AD-RM268
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 and RSS-210. 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:			

Jia Dongsheng, Engineer

1. Summary for FCC Part 15C Compliance Test Report

Date of receipt	18-12-2006
Testing completed	21-12-2006
The customer's contact person	Daniela Stenhoff
Test Plan referred to	T:\Projects\RM-268\TestPlan_RS\RS_Testplan_RM-268.xls
Notes	None
Document name	T:\Projects\RM-268\EMC\Results\FCC\Cph_FCC_0651_01.doc

1.1. EUT and Accessory Information

The EUT is a 3-band (GSM900/1800/1900) mobile phone with GPRS, EGPRS and Bluetooth. Bluetooth is tested with maximum rated TX power.

Product	Type	SN	HW	MV	SW	DUT
Newark	RM-268	353936/01/00001	9000	-	3.00	27742
Battery	BP-6M	0670506393213M442110100083	-	-	-	27743
Headset	HS-23	350853623102	-	-	-	27739
AC-Charger	AC-4E	3943495502070123221;0675384	-	-	-	27839

1.2. Summary of Test Results

Bluetooth:

Section in CFR 47	Section in RSS-GEN or RSS-210	Name of the test	Result
15.247(b)(1)	A8.4 (2)	Conducted peak output power	NP
15.247(c)	A8.5	Band edge compliance of RF emissions	PASSED
15.247(c)	A8.5	Spurious RF conducted emissions	NP
15.247(c), 15.209	A8.5	Spurious radiated emissions	PASSED
15.207	7.2.2	AC powerline conducted emissions	PASSED
15.247(a)(1)	A8.1 (1)	20 dB bandwidth	NP
15.247(a)(1)	A8.1 (2)	Carrier frequency separation	NP
15.247(a)(1)(iii)	A8.1 (4)	Number of hopping frequencies	NP
15.247(a)(1)(iii)	A8.1 (4)	Time of occupancy	NP

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.

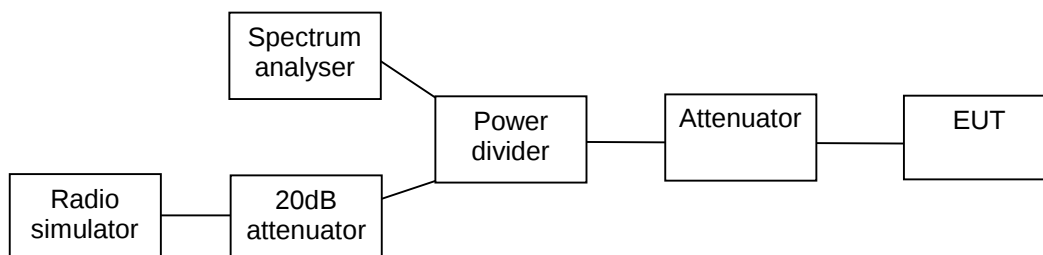
The test was not performed by the TCC Nokia Copenhagen Laboratory.

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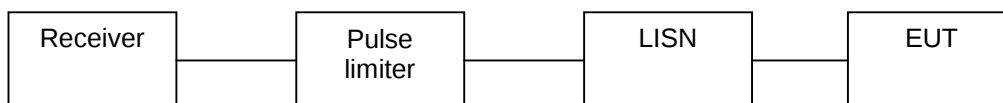
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2. Test setups

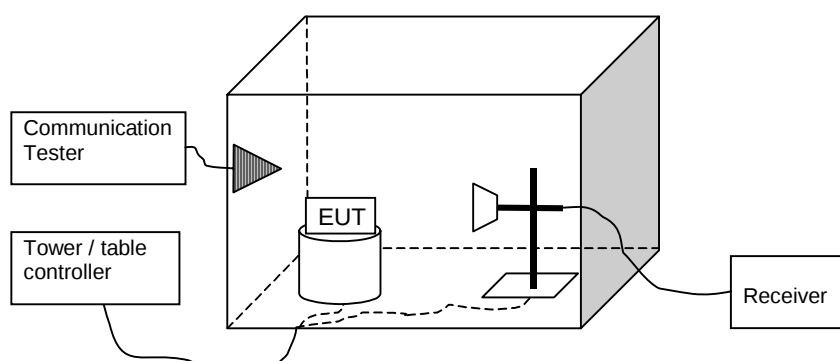
2.1. Conducted RF test setup



2.2. AC powerline conducted emissions test setup



2.3. Spurious radiated emissions test setup



3. Band edge compliance of RF emissions (FCC §15.247(c), RSS-210 A8.5)

EUT with DUT number	RM-268 Dut # 27742
Accessories with DUT numbers	BP-6M Dut # 27743 + HS-23 Dut # 27739 + AC-4E Dut # 27839
Operation Voltage [V] / [Hz]	230V / 50Hz
Result	PASSED
Remarks	None
Temp [°C] / Humidity [%RH] / Air Pressure [mBar]	21.7 / 40.5 / 1034.0
Date of measurements	19-12-2006
Measured by	Jia Dongsheng

3.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for band edge compliance of RF emissions measurements (3 m measurement distance)

Frequency range [MHz]	Limit Average [dBμV/m]	Limit Peak [dBμV/m]
Below 2390 and above 2483.5	≤ 54	≤ 74

3.2. Bluetooth Test results

3.2.1 GFSK modulation, PRBS packet type

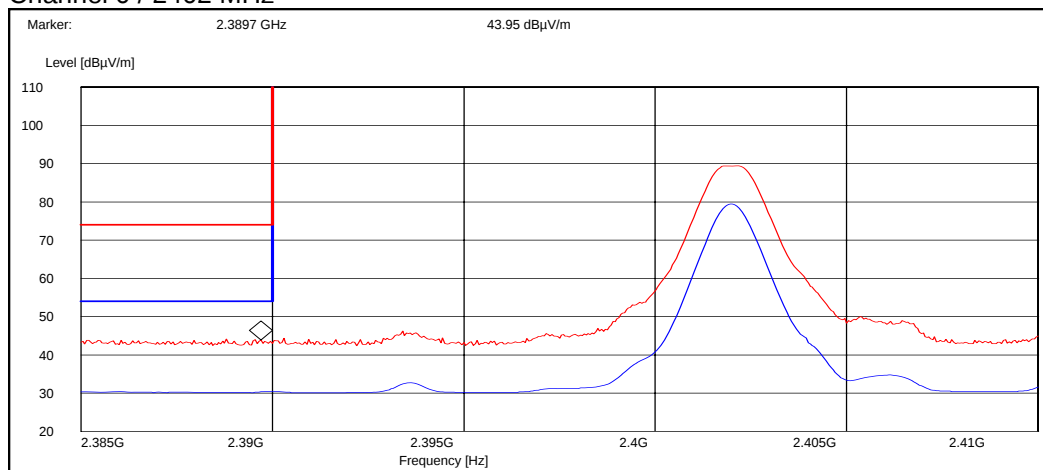
Average (RBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	Result
0 / 2402	30.39	PASSED
78 / 2480	36.47	PASSED
Hopping on, low end	36.57	PASSED
Hopping on, high end	47.28	PASSED

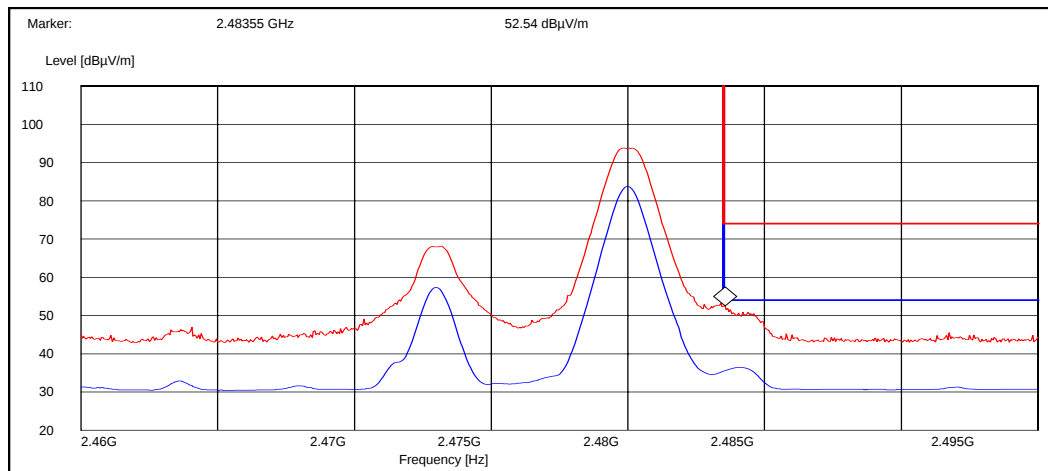
Peak (RBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	Result
0 / 2402	43.95	PASSED
78 / 2480	52.54	PASSED
Hopping on, low end	49.00	PASSED
Hopping on, high end	54.64	PASSED

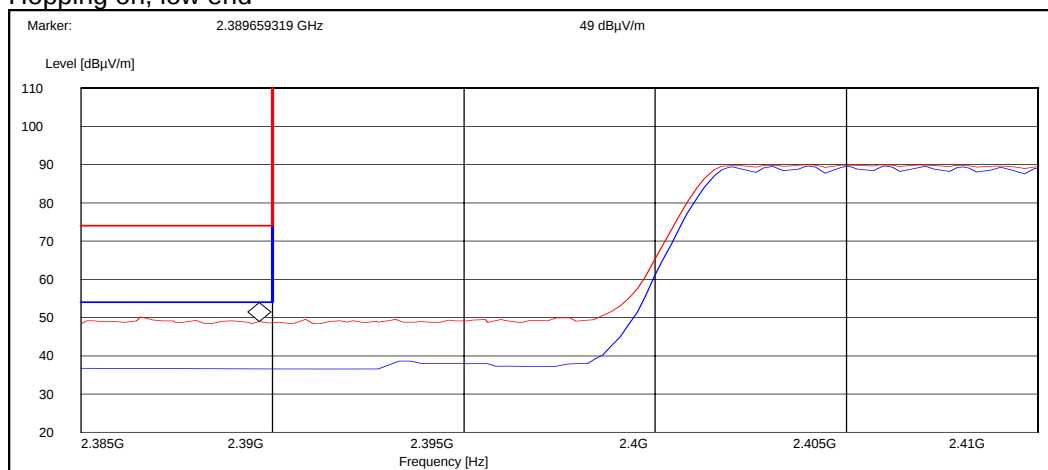
Channel 0 / 2402 MHz



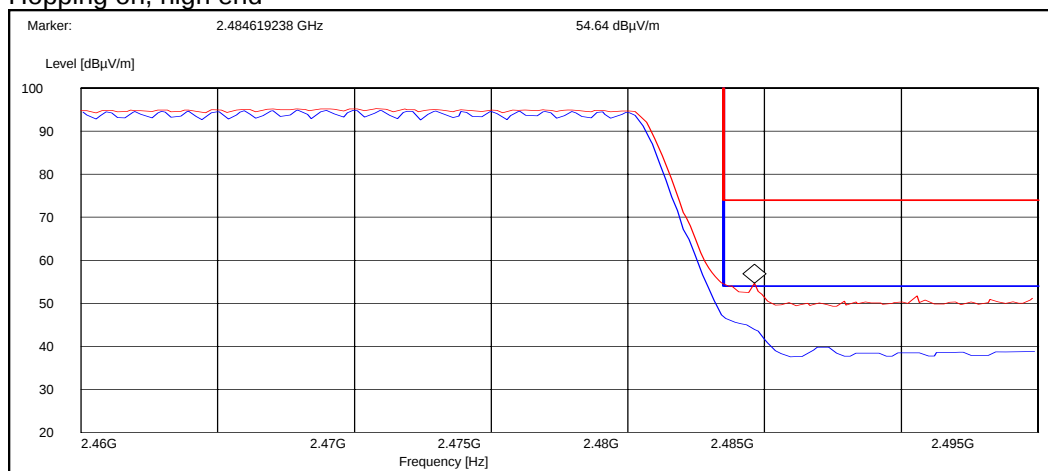
Channel 78 / 2480 MHz



Hopping on, low end



Hopping on, high end



3.2.2 8DPSK modulation, PRBS packet type

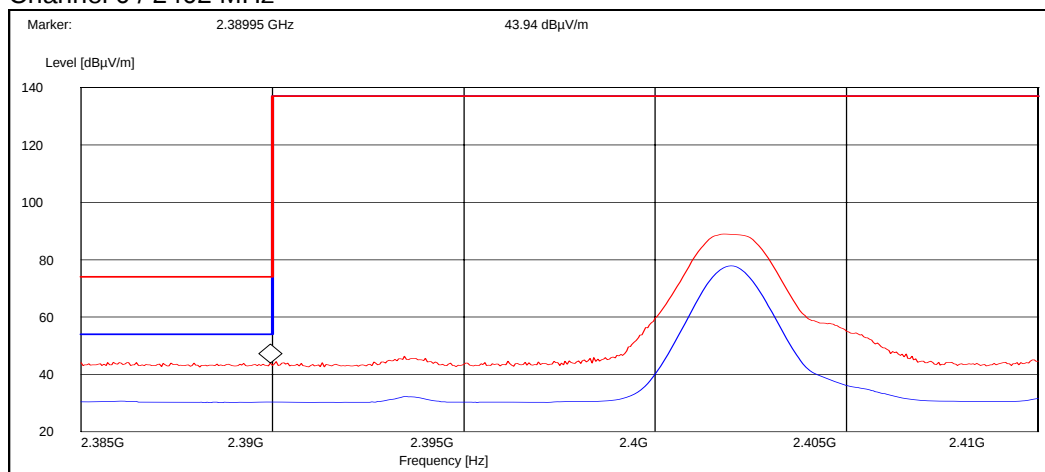
Average (RBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	Result
0 / 2402	30.50	PASSED
78 / 2480	34.99	PASSED
Hopping on, low end	36.62	PASSED
Hopping on, high end	44.96	PASSED

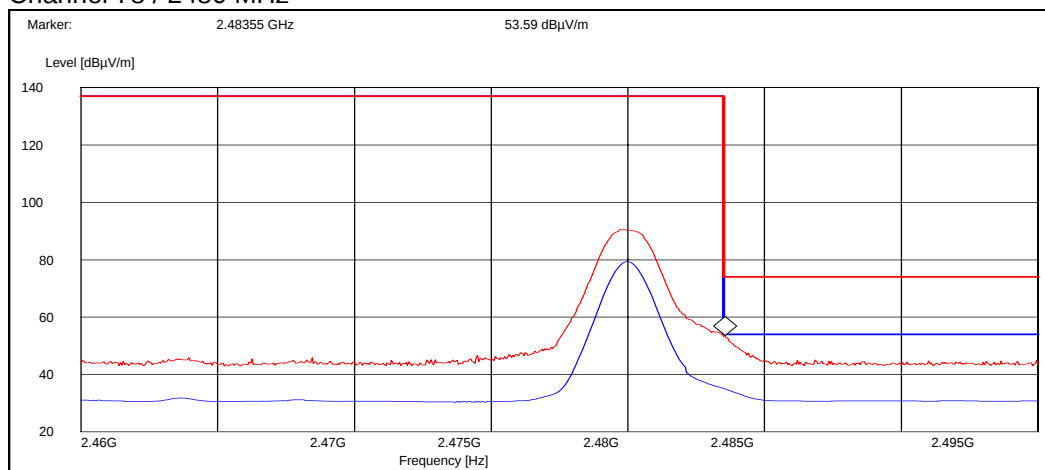
Peak (RBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	Result
0 / 2402	43.94	PASSED
78 / 2480	53.59	PASSED
Hopping on, low end	49.60	PASSED
Hopping on, high end	55.14	PASSED

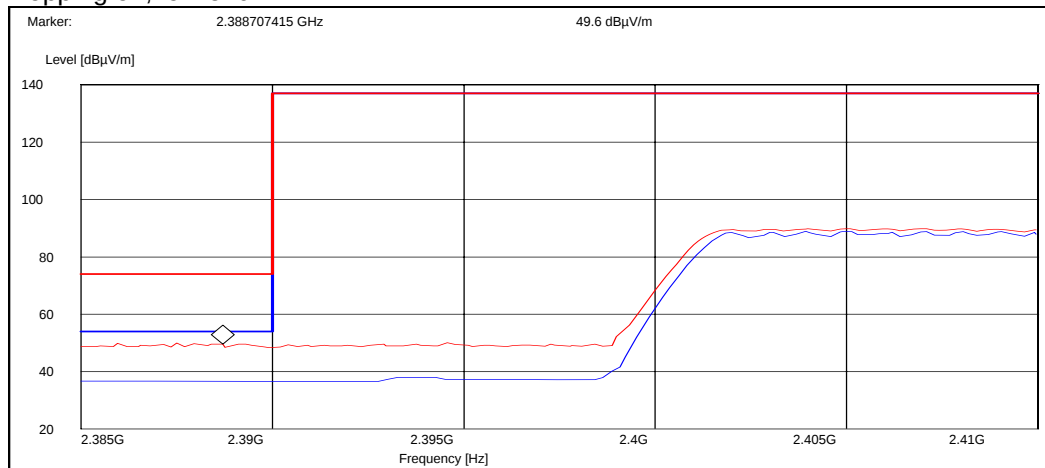
Channel 0 / 2402 MHz



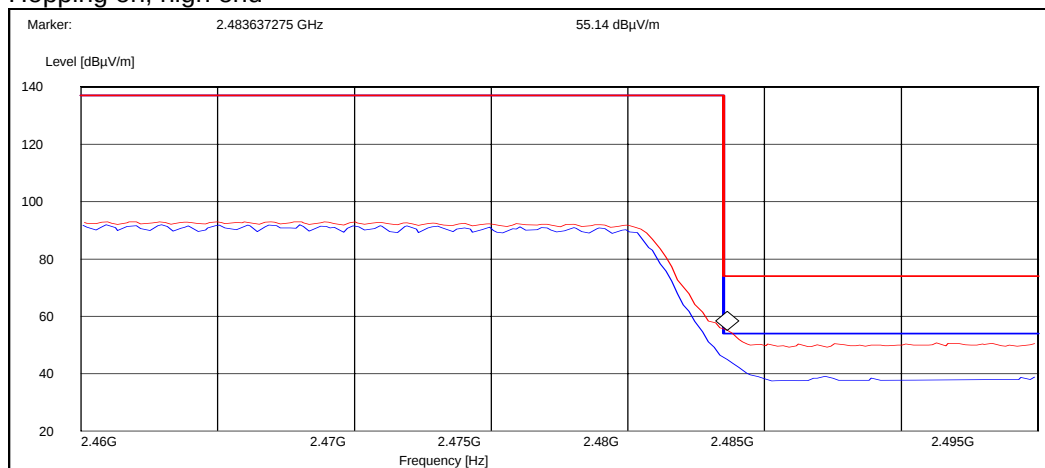
Channel 78 / 2480 MHz



Hopping on, low end



Hopping on, high end



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

EUT with DUT number	RM-268 Dut # 27742
Accessories with DUT numbers	BP-6M Dut # 27743 + HS-23 Dut # 27739 + AC-4E Dut # 27839
Operation Voltage [V] / [Hz]	230V / 50Hz
Result	PASSED
Remarks	Test was done in phone slide open as worst case.
Temp [°C] / Humidity [%RH] / Air Pressure [mBar]	21.7 / 40.5 / 1033.8
Date of measurements	19-12-2006
Measured by	Jia Dongsheng

4.1. Test method and limit

The measurement is made according to Public notice DA 00-705 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

4.2. Bluetooth Test results

4.2.1 GFSK modulation, PRBS packet type

Channel 0 / 2402 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	36.90	69.98	38.90	-2.00	VERTICAL	PASSED
7206.000000	39.40	93.33	35.20	4.20	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	23.70	15.31	25.70	-2.00	VERTICAL	PASSED
7206.000000	26.70	21.63	22.50	4.20	VERTICAL	PASSED

Channel 40 / 2442 MHz

Quasi peak (RBW: 120 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	20.10	10.12	37.90	-17.80	VERTICAL	PASSED
45.690782	18.50	8.41	41.60	-23.10	VERTICAL	PASSED
73.967535	15.70	6.10	42.80	-27.10	HORIZONTAL	PASSED
75.169940	15.40	5.89	42.30	-26.90	HORIZONTAL	PASSED

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4812.127255	44.00	158.49	46.10	-2.10	VERTICAL	PASSED
4843.691383	44.60	169.82	46.80	-2.20	VERTICAL	PASSED
4886.277555	38.60	85.11	40.50	-1.90	VERTICAL	PASSED
4942.381764	43.50	149.62	45.20	-1.70	VERTICAL	PASSED
4945.891784	37.50	74.99	39.20	-1.70	VERTICAL	PASSED
7317.139279	41.20	114.82	36.90	4.30	VERTICAL	PASSED
7419.839679	42.20	128.82	37.30	4.90	VERTICAL	PASSED
17878.761523	57.40	741.31	32.00	25.40	HORIZONTAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4816.127255	24.40	16.60	26.50	-2.10	VERTICAL	PASSED
4845.691383	24.20	16.22	26.40	-2.20	VERTICAL	PASSED
4890.277555	24.00	15.85	25.90	-1.90	VERTICAL	PASSED
4944.881764	24.60	16.98	26.30	-1.70	VERTICAL	PASSED
4947.391784	24.60	16.98	26.30	-1.70	VERTICAL	PASSED
7317.139279	28.20	25.70	23.90	4.30	VERTICAL	PASSED
7422.339679	29.00	28.18	24.10	4.90	VERTICAL	PASSED
17881.261523	44.70	171.79	19.30	25.40	HORIZONTAL	PASSED

Channel 78 / 2480 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	37.80	77.62	39.40	-1.60	VERTICAL	PASSED
7440.000000	41.70	121.62	36.80	4.90	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	24.80	17.38	26.40	-1.60	VERTICAL	PASSED
7440.000000	28.20	25.70	23.30	4.90	VERTICAL	PASSED

4.2.2 8DPSK modulation, PRBS packet type

Channel 0 / 2402 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	48.10	254.10	50.10	-2.00	VERTICAL	PASSED
7206.000000	39.10	90.16	34.90	4.20	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	31.20	36.31	33.20	-2.00	VERTICAL	PASSED
7206.000000	27.00	22.39	22.80	4.20	VERTICAL	PASSED

Channel 40 / 2442 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
38.235872	19.00	8.91	37.10	-18.10	VERTICAL	PASSED

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4884.267535	47.70	242.66	49.60	-1.90	VERTICAL	PASSED
4884.269539	47.80	245.47	49.70	-1.90	VERTICAL	PASSED
7318.631263	40.70	108.39	36.40	4.30	VERTICAL	PASSED
7320.135271	40.90	110.92	36.70	4.20	VERTICAL	PASSED
7423.345691	43.80	154.88	39.00	4.80	VERTICAL	PASSED
7423.841683	41.40	117.49	36.60	4.80	VERTICAL	PASSED
17873.739479	58.20	812.83	32.80	25.40	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4884.267535	33.20	45.71	35.10	-1.90	VERTICAL	PASSED
4884.269539	32.80	43.65	34.70	-1.90	VERTICAL	PASSED
7319.631263	28.10	25.41	23.90	4.20	VERTICAL	PASSED
7321.135271	28.10	25.41	23.90	4.20	VERTICAL	PASSED
7422.845691	28.90	27.86	24.10	4.80	VERTICAL	PASSED
7423.341683	28.90	27.86	24.10	4.80	VERTICAL	PASSED
17870.239479	44.90	175.79	19.50	25.40	VERTICAL	PASSED

Channel 78 / 2480 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	50.10	319.89	51.70	-1.60	VERTICAL	PASSED
7440.000000	40.80	109.65	35.90	4.90	HORIZONTAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	29.90	31.26	31.50	-1.60	VERTICAL	PASSED
7440.000000	28.30	26.00	23.40	4.90	VERTICAL	PASSED

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

EUT with DUT number	RM-268 Dut # 27742
Accessories with DUT numbers	BP-6M Dut # 27743 + HS-23 Dut # 27739 + AC-4E Dut # 27839
Operation Voltage [V] / [Hz]	230 / 50
Result	Passed
Remarks	None
Temp [°C] / Humidity [%RH] / Air Pressure [mBar]	22.5 / 38.5 1038.0
Date of measurements	18-12-2006
Measured by	Allan F. Henriksen

5.1. Test method and limit

The measurement is made according to Public notice DA 00-705 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.

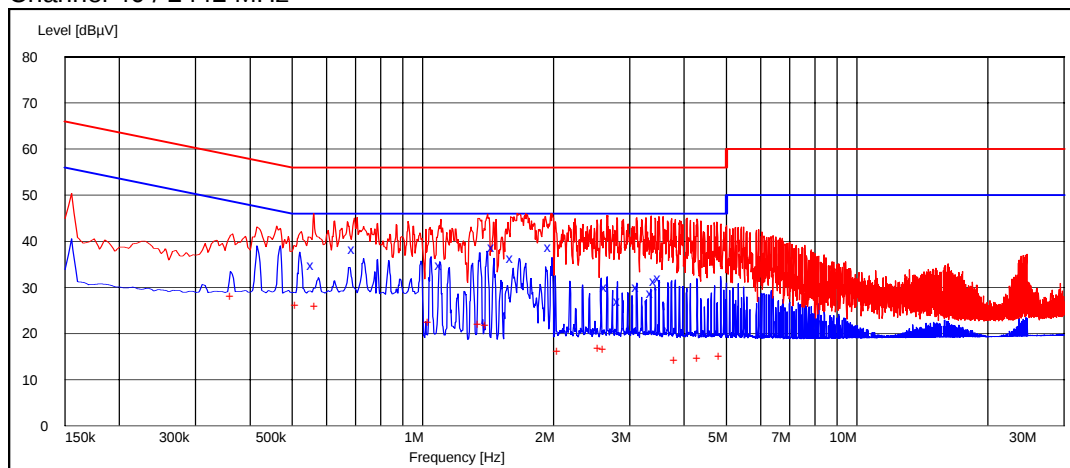
CISPR 22 Class B limits

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

5.2. Bluetooth Test results

5.2.1 GFSK modulation, PRBS packet type

Channel 40 / 2442 MHz



Quasi peak (RBW: 9 kHz)

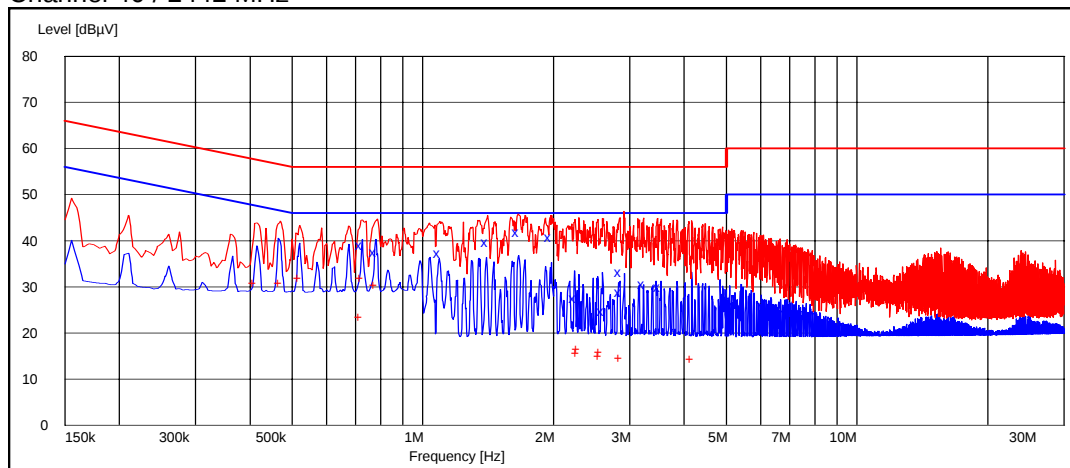
Frequency [MHz]	U [dBμV]	Line	Result
0.560000	34.90	N	Passed
0.695000	38.20	N	Passed
1.105000	34.90	N	Passed
1.460000	38.70	N	Passed
1.610000	36.30	L1	Passed
1.975000	38.70	N	Passed
2.655000	30.20	L1	Passed
2.840000	27.00	L1	Passed
3.140000	30.10	N	Passed
3.390000	28.90	N	Passed
3.450000	31.30	N	Passed
3.530000	32.10	N	Passed

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.365000	28.20	N	Passed
0.515000	26.30	N	Passed
0.570000	25.90	N	Passed
1.040000	22.50	L1	Passed
1.355000	22.00	L1	Passed
1.410000	21.90	L1	Passed
2.065000	16.20	N	Passed
2.560000	16.80	N	Passed
2.630000	16.70	N	Passed
3.845000	14.30	N	Passed
4.335000	14.70	N	Passed
4.865000	15.20	N	Passed

5.2.2 8DPSK modulation, PRBS packet type

Channel 40 / 2442 MHz



Quasi peak (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.725000	39.00	L1	Passed
0.780000	37.50	L1	Passed
1.095000	37.30	L1	Passed
1.410000	39.70	N	Passed
1.665000	42.00	N	Passed
1.975000	40.90	N	Passed
2.250000	27.60	L1	Passed
2.610000	24.80	N	Passed
2.855000	28.90	N	Passed
2.860000	33.10	L1	Passed
3.235000	30.50	N	Passed
3.515000	30.00	L1	Passed

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.410000	30.70	N	Passed
0.470000	30.70	N	Passed
0.520000	32.00	N	Passed
0.720000	23.50	L1	Passed
0.725000	32.00	L1	Passed
0.780000	30.30	L1	Passed
2.275000	15.70	N	Passed
2.280000	16.50	N	Passed
2.565000	14.90	N	Passed
2.570000	15.80	N	Passed
2.860000	14.60	N	Passed
4.170000	14.40	N	Passed

6. Test Equipment

6.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
13037	Power Supply 0-15V 10A	EA3012	LP Instruments	15C, 15B
13513	Pulse Limiter 9KHz-30MHz	ESH3Z2	Rohde&Schwarz	15C, 15B
13666	EMI Test Reciever 9KHz-2,5GHz	ESPC	Rohde&Schwarz	15C, 15B
13935	Two Lines Artificial Mains Network	ESH3-Z5	Rohde&Schwarz	15C, 15B
16995	Directional Coupler 20dB 0,5-2,0 GHz SMA Conn.	1538RA-20	Weinschel	15C, 15B
18772	Shielded Chamber	RFD-100	ETS-Lindgren	15C, 15B
19171	Universal Radio Communication Tester	CMU200	Rohde&Schwarz	15C, 15B
11386	System DC Power Supply	HP6632A	Hewlett Packard	22/24, 15C, 15B
19678	Spectrum Analyzer 26 GHz	FSP	Rohde&Schwarz	22/24, 15C, 15B
16601	Universal Radio Communication Tester	CMU200	Rohde&Schwarz	22/24, 15C, 15B
19625	Vötsch Climatic Chamber	VT4002EMC	Vötsch	22/24, 15C, 15B
13357	Rohde & Schwartz Signal Generator	SMP02	Rohde&Schwarz	22/24, 15C, 15B

6.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
18416	Universal Radio Communication Tester	CMU200	Rohde&Schwarz	22/24, 15C, 15B
	Programmable Relay Switching System	-----	Pickering	22/24, 15C, 15B
15742	Programmable Relay Switching System	-----	Pickering	22/24, 15C, 15B
14020	Power Supply Module Relay Switching System 45W	10-910-002	Pickering	22/24, 15C, 15B
15743	Power Supply Module Relay Switching System 50W	10-910L-001	Pickering	22/24, 15C, 15B
16490	RS-232/IEEE-488.2 Interface	10-921-001	Pickering	22/24, 15C, 15B
	RS-232/IEEE-488.2 Interface	10-921-001	Pickering	22/24, 15C, 15B
20078	Relay 2x6 Chnl μ Wave Mux	10-785B-522	Pickering	22/24, 15C, 15B
14021	Relay Dual 6 Chnl μ Wave Mux	10-785-522		22/24, 15C, 15B
	Relay Dual 6 Chnl μ Wave Mux	10-785-522		22/24, 15C, 15B
17644	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24, 15C, 15B
16948	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24, 15C, 15B
16949	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24, 15C, 15B
18792	Multi Device Controller	2090	ETS-EMCO	22/24, 15C, 15B
14963	RF Preampifier 100MHz-4GHz (Metal Chassis)	AFS3-00100400	Miteq/NMP Cph	22/24, 15C, 15B
18861	EMI Test Receiver 20Hz-26,5GHz	ESI	Rohde&Schwarz	22/24, 15C, 15B

Eq. No	Equipment	Type	Manufacturer	Used in
18860	Ultra Broadband Antenna Ultralog 30-3000MHz	HL562	Rohde&Schwarz	22/24, 15C, 15B
19830	Ultra Broadband Antenna Ultralog 30-3000MHz	HL562	Rohde&Schwarz	22/24, 15C, 15B
18773	Shielded Chamber	RFD-100	ETS-Lindgren	22/24, 15C, 15B
18774	Shielded Chamber	RFSD-F/A-100	ETS-Lindgren	22/24, 15C, 15B
19151	High Pass Filter 3GHz WHK3.0/18G-10ss	WHJS3000-10SS	Wainwright	22/24, 15C, 15B
13937	Ultra Stable Notch Filter 850MHz	WRCA902.4-0.2/40-6SS	Wainwright Instruments	22/24, 15C, 15B
13936	Ultra Stable Notch Filter 1747,5MHz	WRCD1747.5-0.2/40- 10SS	Wainwright Instruments	22/24, 15C, 15B
13917	Highpass Filter 1000-3000MHz 50OHM SMA Conn	WHKS1000-10SS	Wainwright Instruments	22/24, 15C, 15B
14188	Ultra Stable Notch Filter 902,4MHz	WRCA902.4-0.2/40-6SS	Wainwright	22/24, 15C, 15B
14187	Ultra Stable Notch Filter 1747,5MHz	WRCD1747.5-0.2/40- 10SS	Wainwright	22/24, 15C, 15B
16633	Ultra Stable Notch Filter 1880,0MHz	WRCD1880.0-0.2/40- 10SS	Wainwright	22/24, 15C, 15B
19587	BT/WLAN Band Reject Filter	WRCG2400/2483- 2390/2493-35/10SS	Wainwright	22/24, 15C, 15B
	WDCMA Band 4 filter	WRCG1737/1743- 1733/1747-40/6SS	Wainwright	22/24, 15C, 15B
	WDCMA Band 5&6 filter	WRCG832/83/-825/845- 40/5SS	Wainwright	22/24, 15C, 15B
	WDCMA Band 8 filter	WRCG894.6/900.6- 890.6/904.6-40/80SS	Wainwright	22/24, 15C, 15B
18323	Band reject filter 1947-1953MHz 40dB	WRCG1947/1953- 1940/1960-40/6SS	Wainwright	22/24, 15C, 15B
20031	Double Ridged Broadband Horn	BBHA 9120 D	SCHWARZBECK	22/24, 15C, 15B
15190	Infra Red Remote Control Unit	4630	Emco	22/24, 15C, 15B
14993	EMI Test Receiver 9KHz- 2750MHz	ESCS30	Rohde&Schwarz	22/24, 15C, 15B
15191	Turntable Contoller Unit	G-800SDX	YAESU	22/24, 15C, 15B
14900	Antenna Controller	HD100	HD GmbH	22/24, 15C, 15B
15105	Attenuator 30dB DC-1000MHz 50 Ohm Nf - Nm	NAT-30	Mini-Circuits	22/24, 15C, 15B
13302	Spectrum Analyzer 9KHz- 12.8GHz	HP8596E	Hewlett Packard	22/24, 15C, 15B
11584	Spectrum analyzer 50Hz- 6,5GHz	HP8561B	Hewlett Packard	22/24, 15C, 15B
13134	Tracking generator	HP85645A	Hewlett Packard	22/24, 15C, 15B
19374	Resonant Dipole Antenna 850MHz SMA m Conn.	-----	NMP Cph	22/24, 15C, 15B
19375	Resonant Dipole Antenna 1900MHz SMA m Conn.	-----	NMP Cph	22/24, 15C, 15B
11487	Network analyzer 300KHz- 3,0GHz	HP8753A	Hewlett Packard	22/24, 15C, 15B
14807	S - Parameter Test Set 300KHz- 6GHz	HP85047A	Hewlett Packard	22/24, 15C, 15B
17277	Multimeter Digital 6 1/2 Digit	AT34401A	Agilent Technologies	22/24, 15C, 15B