

FCC Part 15B Compliance Test Report

Test Report no.:	FCC15B_RM-763_10.docx	Date of Report:	06-Sep-2011
Number of pages:	6	Customer's Contact person:	Ramelli Bruno
Testing laboratory:	TCC Nokia Copenhagen Laboratory Frederikskaj 1790 COPENHAGEN V DENMARK Tel. +45 33 292929 Fax. +45 33 292934	Customer:	Nokia Corporation Lise Meitner Strasse 10 89081 ULM GERMANY Tel. +49 731 1754 0 Fax. +49 731 1754 6800
FCC listing no.:			
IC recognition no.:			
Tested devices/ accessories:	Phone RM-763 / AC-Charger AC-8E / Headset WH-102 / Battery BP-3L / Laptop Lenovo T61 / USB Cable CA-101		
FCC ID:	PPIRM-763	IC:	661U-RM763
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart B, ANSI C63.4 (2003), ICES-003, CISPR 22, RSS-132 (Issue 2, September 2005), RSS-133 (Issue 5, February 2009), RSS-139 (Issue 2, February 2009), RSS-210 (Issue 8, December 2010). 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:			

Christian Andersen System Specialist, EMC

1. Summary for FCC Part 15B Compliance Test Report

Date of receipt	1-Aug-2011
Testing completed	11-Aug-2011
The customer's contact person	Ramelli Bruno
Test Plan referred to	T:\Projects\RM-763\TestPlan\RS_testplan_RM-763.xls
Notes	-
Document name	T:\Projects\RM-763\EMC\FCC15B_RM-763_10.docx

1.1. EUT and Accessory Information

The EUT is a 9-band (GSM850/900/1800/1900) and WCDMA Band (I/II(1900)/IV(1700)/V(850)/VIII/) mobile phone with GPRS, EGPRS, HSDPA, HSUPA and WLAN and Bluetooth.

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-763	004402136210345	0200		vp ch104_11W28	23530
AC-Charger	AC-8E	4090498425930401604;0675387	-	-	-	23727
Headset	WH-102	06943231106m1R61563	-	-	-	23579
Battery	BP-3L	3932131154140100772;0670635	-	-	-	23546
Laptop	Lenovo T61	1S7665D71L3W8321	-	-	-	24950
USB Cable	CA-101	07306351123V1200021	-	-	-	23617

1.2. Summary of Test Results

WLAN:

Section in CFR 47	Section in ICES-003 (RSS-139)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	PASSED
15.109, a	5.5 (6.6)	Radiated emissions	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 Laboratory.

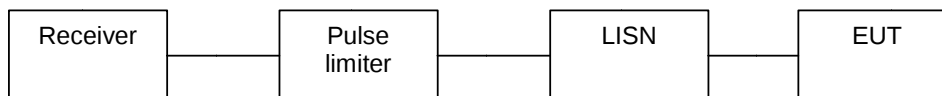
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2. AC powerline conducted emissions (FCC §15.107, ICES-003 section 5.3)

EUT with DUT number	RM-763, DUT 23530
Accessories with DUT numbers	AC-8E, DUT 23727 ; WH-102, DUT 23579 ; BP-3L, DUT 23546 ; Lenovo T61, DUT 24950 ; CA-101, DUT 23617
Operation Voltage [V] / [Hz]	115 / 60
Results	Passed
Remarks	none
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	22 / 41 / 101
Date of measurements	11-Aug-2011
Measured by	Bo Moltved Christiansen

2.1. Test Setup



2.2. Test method and limit

The measurement is made according to ANSI C63.4-2003 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:

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

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

CISPR 22 Class B limits

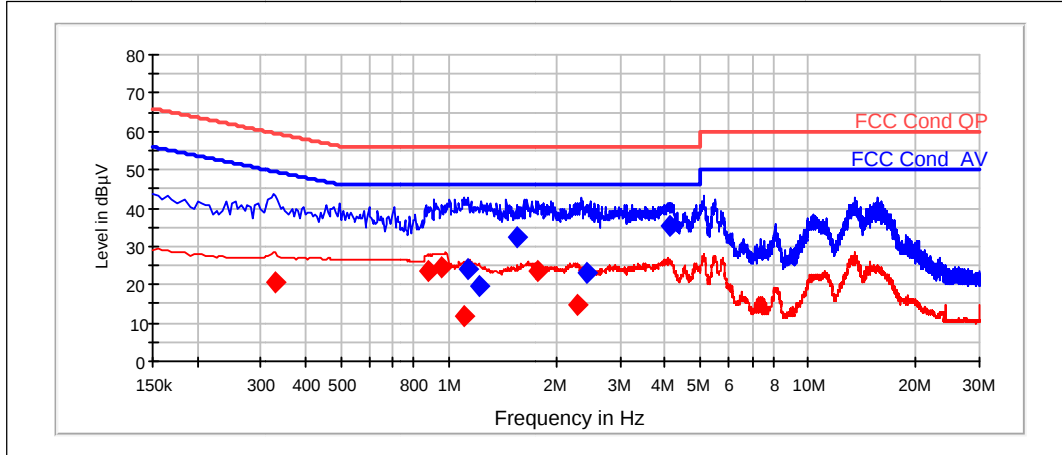
Frequency range [MHz]	Quasi peak limit [dBμV]	Average limit [dBμV]
0.15 - 0.5	66 - 56	56 - 46
0.5 - 5	56	46
5 - 30	60	50

2.3. WLAN Test results

From Phone charger AC-8E

2.3.1 DSSS mode, modulation, 11 Mbps data rate

Channel 40 / 2442 MHz



QuasiPeak (RBW: 9 kHz)

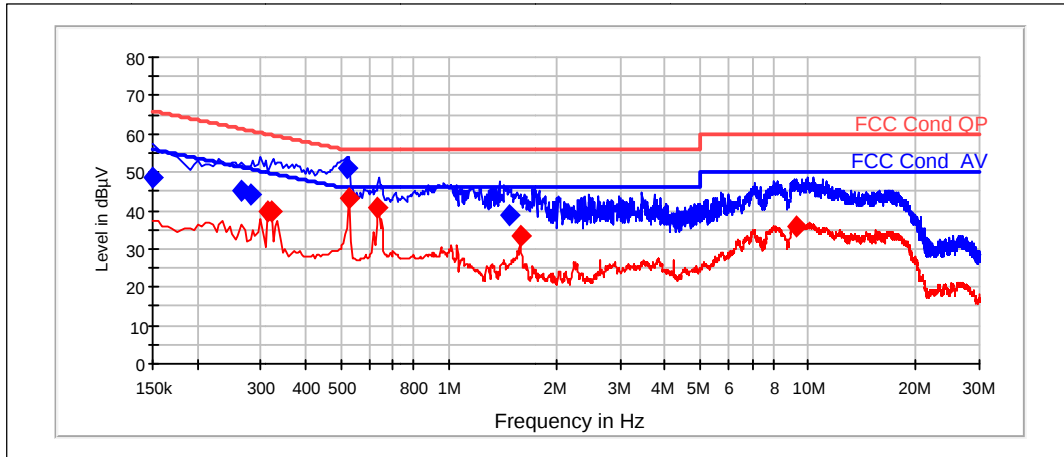
Frequency [MHz]	U [dBμV]	Line	Result
1.125	24.07	N	PASSED
1.21	19.67	N	PASSED
1.55	32.61	N	PASSED
2.425	23.28	N	PASSED
4.11	35.25	N	PASSED

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.33	20.69	N	PASSED
0.88	23.6	N	PASSED
0.95	24.51	N	PASSED
1.1	11.68	N	PASSED
1.765	23.75	N	PASSED
2.275	14.83	N	PASSED

From PC power supply

Channel 40 / 2442 MHz



QuasiPeak (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.15	48.72	N	PASSED
0.265	45.05	N	PASSED
0.28	43.94	N	PASSED
0.52	50.9	L1	PASSED
1.47	38.62	L1	PASSED

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.315	39.76	L1	PASSED
0.32	39.82	L1	PASSED
0.525	43.43	L1	PASSED
0.635	40.7	L1	PASSED
1.585	33.29	L1	PASSED
9.29	36.02	N	PASSED