

FCC Part 15B Compliance Test Report

Test Report no.:	Cph_FCC_0740_02.doc	Date of Report:	11-10-2007
Number of pages:	14	Customer's Contact person:	Nina Powers Bates
Testing laboratory:	TCC Nokia Copenhagen Laboratory Frederikskaj 1790 COPENHAGEN V DENMARK Tel. +45 33 292929 Fax. +45 33 292934	Customer:	Nokia Corporation Frederikskaj 1790 COPENHAGEN V DENMARK Tel. +45 33 292929 Fax. +45 33 292934
FCC listing no.:	99059		
IC recognition no.:	661AD-1		
Tested devices/ accessories:	Phone: RM-397 (HW: 9014), Battery: BL-6P, AC-Charger: AC-6C, USB data cable: CA-101		
FCC ID:	QTKRM-397	IC:	661AD-RM397
Supplement reports:	None		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart B, ANSI C63.4 (2003), ICES-003, CISPR 22 and IC standards RSS-132 (Issue 2, September 2005), RSS-133 (Issue 3, June 2005) 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:			

Allan F. Henriksen, Engineer

1. Summary for FCC Part 15B Compliance Test Report

Date of receipt	01-10-2007
Testing completed	11-10-2007
The customer's contact person	Nina Powers Bates
Test Plan referred to	T:\Projects\RM-397\TestPlan_RS\RS_Test_Plan_RM-397.xls
Notes	None
Document name	T:\Projects\RM-397\EMC\Results\FCC\Cph_FCC_0740_02.doc

1.1. EUT and Accessory Information

The EUT is a 4-band (GSM850/900/1800/1900) mobile phone with GPRS, EGPRS and Bluetooth. GSM bands are tested in idle mode. Bluetooth is tested with maximum rated TX power.

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-397	004401/01/618043/	9014	-	lyg4.52	26735
Battery	BL6P	3635637355610101619;0670564	-	-	-	26734
AC-Charger	AC-6C	3943497354070614634;0675594	2.2			27076
USB Data Cable	CA-101	07306347316013010418	-	-	-	27077

1.2. Summary of Test Results

GSM 850:

Section in CFR 47	Section in ICES-003 (RSS-132)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	Passed
15.109, a	5.5 (6.6)	Radiated emissions	Passed

GSM 1900:

Section in CFR 47	Section in ICES-003 (RSS-133)	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	Passed
15.109, a	5.5 (9)	Radiated emissions	Passed

Bluetooth:

Section in CFR 47	Section in ICES-003	Name of the test	Result
15.107, a	5.3	AC powerline conducted emissions	Passed
15.109, a	5.5	Radiated emissions	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 Copenhagen Laboratory.

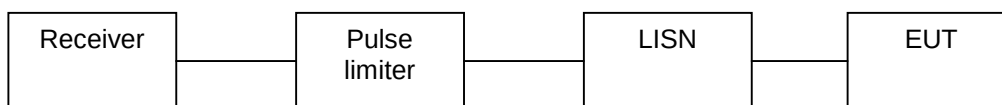
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2. AC powerline conducted emissions (FCC §15.107, ICES-003 section 5.3)

EUT with DUT number	RM-397 Dut 26735
Accessories with DUT numbers	BL-6P Dut 26734 + AC-6C Dut 27076 + CA-101 Dut 27077
Operation Voltage [V] / [Hz]	115 / 60
Result	Passed
Remarks	Continuous data transfer between the phone and the computer was not performed. Charger and data cable can not be connected to the Phone at the same time.
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	22.1 / 38.0 102.9
Date of measurements	10-10-2007
Measured by	Allan F. Henriksen

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:

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

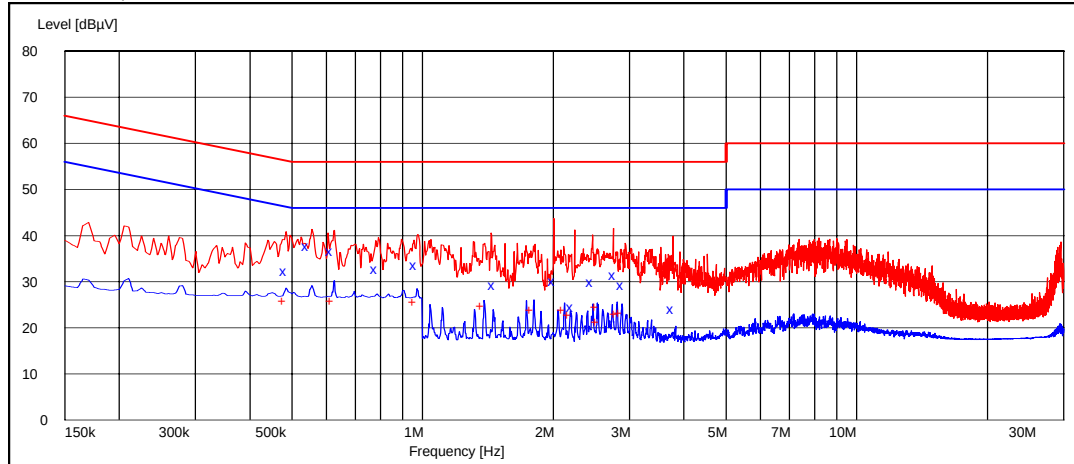
Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable and pulse limiter attenuations.

CISPR 22 Class B limits

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

2.3. GSM 850 Test results

RX mode, channel 190 / 881.6 MHz



Quasi peak (RBW: 9 kHz)

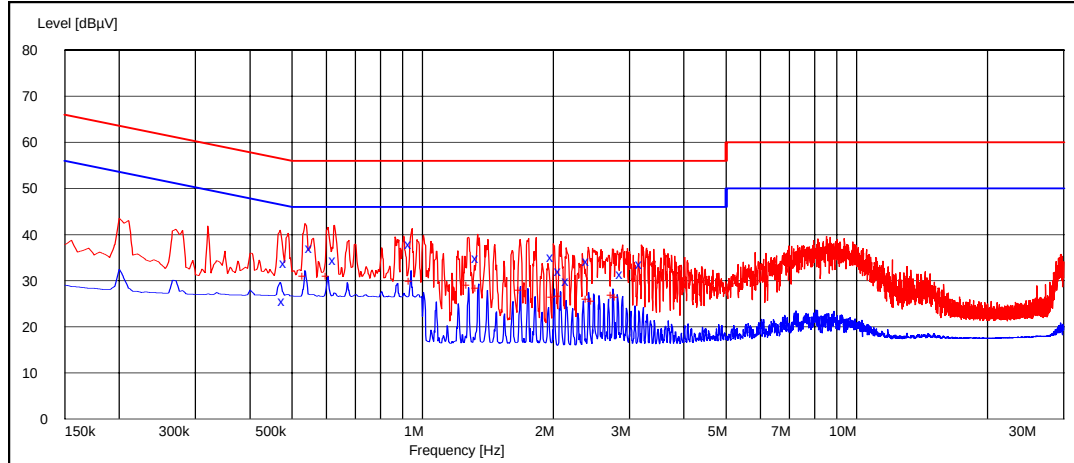
Frequency [MHz]	U [dBμV]	Line	Result
0.485000	32.30	N	Passed
0.545000	37.80	L1	Passed
0.620000	36.70	L1	Passed
0.785000	32.70	L1	Passed
0.965000	33.50	L1	Passed
1.465000	29.20	L1	Passed
2.015000	30.20	L1	Passed
2.215000	24.60	N	Passed
2.465000	30.00	L1	Passed
2.775000	31.50	L1	Passed
2.895000	29.20	L1	Passed
3.780000	24.10	L1	Passed

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.480000	25.80	L1	Passed
0.620000	25.80	L1	Passed
0.960000	25.70	L1	Passed
1.375000	24.70	L1	Passed
1.785000	23.80	L1	Passed
2.110000	23.90	L1	Passed
2.180000	22.70	L1	Passed
2.520000	24.50	L1	Passed
2.525000	21.30	N	Passed
2.790000	23.10	L1	Passed
2.860000	23.20	N	Passed

2.4. GSM 1900 Test results

RX mode, channel 661 / 1960.0 MHz



Quasi peak (RBW: 9 kHz)

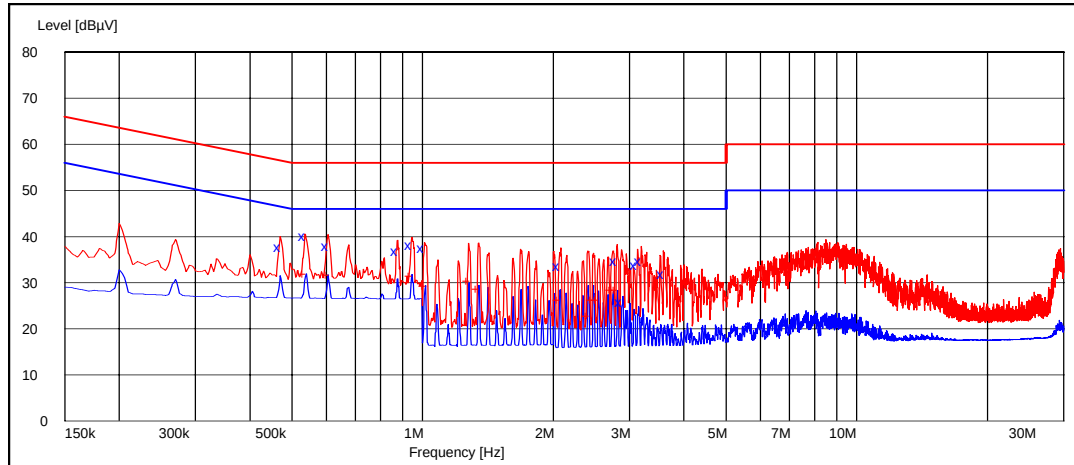
Frequency [MHz]	U [dBμV]	Line	Result
0.480000	25.60	N	Passed
0.485000	33.70	L1	Passed
0.555000	37.10	L1	Passed
0.630000	34.40	L1	Passed
0.940000	37.90	L1	Passed
1.345000	34.80	L1	Passed
2.000000	35.20	L1	Passed
2.085000	32.10	L1	Passed
2.165000	30.00	L1	Passed
2.415000	34.20	L1	Passed
2.885000	31.50	L1	Passed
3.205000	33.60	L1	Passed

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.535000	30.90	L1	Passed
0.605000	30.90	L1	Passed
0.940000	30.00	L1	Passed
1.275000	29.00	L1	Passed
1.340000	28.30	L1	Passed
1.680000	28.00	L1	Passed
2.005000	26.40	L1	Passed
2.075000	26.70	L1	Passed
2.410000	26.00	L1	Passed
2.475000	25.70	N	Passed
2.745000	26.80	L1	Passed
2.810000	26.40	L1	Passed

2.5. Bluetooth Test results

Channel 40 / 2442 MHz



Quasi peak (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.470000	37.80	L1	Passed
0.535000	40.10	L1	Passed
0.605000	37.90	L1	Passed
0.875000	36.90	L1	Passed
0.940000	38.10	L1	Passed
1.005000	37.40	L1	Passed
2.065000	33.60	L1	Passed
2.790000	34.70	L1	Passed
2.875000	25.90	N	Passed
3.115000	33.70	L1	Passed
3.185000	34.60	L1	Passed
3.585000	31.90	L1	Passed

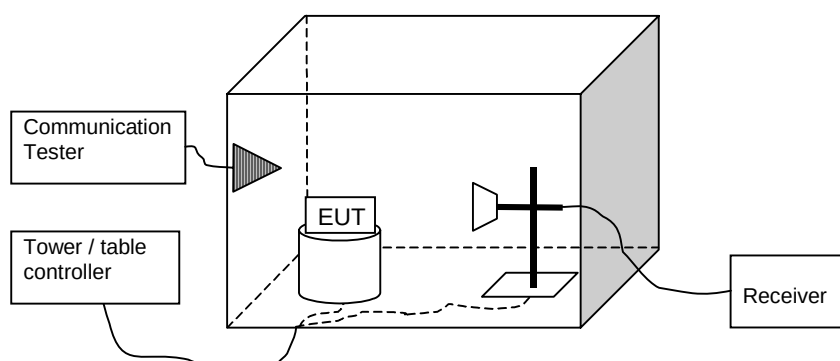
Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.535000	31.90	L1	Passed
0.605000	31.60	L1	Passed
0.940000	31.50	L1	Passed
1.010000	29.40	L1	Passed
1.275000	30.30	L1	Passed
1.345000	28.70	L1	Passed
2.065000	26.20	L1	Passed
2.405000	22.80	L1	Passed
2.465000	26.30	N	Passed
2.530000	26.30	N	Passed
2.730000	28.30	L1	Passed
2.795000	28.50	N	Passed

3. Radiated emissions (FCC §15.109, ICES-003 section 5.5, RSS-132 6.6, RSS-133 9)

EUT with DUT number	RM-397 Dut 26735
Accessories with DUT numbers	BL-6P Dut 26734 + AC-6C Dut 27076 + CA-101 Dut 27077
Operation Voltage [V] / [Hz]	115 / 60
Result	Passed
Remarks	Continuous data transfer was active between the phone and the computer during the test.
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	22.1 / 38.0 102.9
Date of measurements	10-10-2007
Measured by	Allan F. Henriksen

3.1. Test setup



3.2. Test method and limit

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

The measurement is performed in the Semi-Anechoic Chamber with conducting metal floor.

The measurement distance is 3 m.

The EUT is placed on a nonconductive plate at 80 cm height.

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:

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

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

CISPR 22 and FCC Part 15 Class B limits (3 m measurement distance)

Frequency range [MHz]	Quasi peak limit [dBμV/m]	Average limit [dBμV/m]	Peak limit [dBμV/m]
30 – 230	40	-	-
230 – 1000	47	-	-
Above 1000	-	54	74

3.3. GSM 850 Test results

RX mode, channel 128 / 869.2 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3476.800000	38.00	79.43	40.20	-2.2	VERTICAL	Passed
6953.600000	45.00	177.83	38.90	6.1	HORIZONTAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3476.800000	25.50	18.84	27.70	-2.2	VERTICAL	Passed
6953.600000	31.60	38.02	25.50	6.1	VERTICAL	Passed

RX mode, channel 190 / 881.6 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
54.929058	29.00	28.18	52.50	-23.5	VERTICAL	Passed
61.162525	31.70	38.46	56.10	-24.4	VERTICAL	Passed
255.611022	37.20	72.44	55.70	-18.5	VERTICAL	Passed
799.999198	34.10	50.70	41.00	-6.9	VERTICAL	Passed
826.251303	25.30	18.41	31.40	-6.1	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
2295.089178	42.50	133.35	36.50	6.0	VERTICAL	Passed
2981.467936	40.40	104.71	28.80	11.6	VERTICAL	Passed

RX mode, channel 251 / 893.8 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3575.200000	38.50	84.14	40.30	-1.8	VERTICAL	Passed
7150.400000	41.70	121.62	34.70	7.0	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3575.200000	25.50	18.84	27.30	-1.8	VERTICAL	Passed
7150.400000	28.70	27.23	21.70	7.0	VERTICAL	Passed

3.4. GSM 1900 Test results

RX mode, channel 512 / 1930.2 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3860.000000	40.50	105.93	40.80	-0.3	VERTICAL	Passed
7720.000000	42.90	139.64	34.40	8.5	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
3860.000000	27.30	23.17	27.60	-0.3	VERTICAL	Passed
7720.000000	29.40	29.51	20.90	8.5	VERTICAL	Passed

RX mode, channel 661 / 1960.0 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
60.741082	29.80	30.90	54.30	-24.5	VERTICAL	Passed
257.315230	38.50	84.14	57.00	-18.5	VERTICAL	Passed
796.091182	34.00	50.12	41.00	-7.0	VERTICAL	Passed
825.251303	25.80	19.50	32.00	-6.2	VERTICAL	Passed
877.155511	24.60	16.98	30.50	-5.9	VERTICAL	Passed
887.173547	24.30	16.41	30.00	-5.7	VERTICAL	Passed

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

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
2985.467936	53.40	467.74	41.70	11.7	VERTICAL	Passed
3523.050100	38.20	81.28	40.50	-2.3	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
2295.089178	42.60	134.90	36.60	6.0	VERTICAL	Passed
2987.967936	40.40	104.71	28.80	11.6	VERTICAL	Passed
3527.550100	25.30	18.41	27.60	-2.3	VERTICAL	Passed

RX mode, channel 810 / 1989.8 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3980.000000	39.80	97.72	40.20	-0.4	VERTICAL	Passed
7960.000000	42.20	128.82	33.10	9.1	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3980.000000	27.00	22.39	27.40	-0.4	VERTICAL	Passed
7960.000000	29.90	31.26	20.80	9.1	VERTICAL	Passed

3.5. Bluetooth Test results

TX mode, channel 0 / 2402 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	37.30	73.28	36.60	0.7	VERTICAL	Passed
7206.000000	41.00	112.20	33.90	7.1	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	24.90	17.58	24.20	0.7	VERTICAL	Passed
7206.000000	28.00	25.12	20.90	7.1	VERTICAL	Passed

TX mode, 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
125.892385	19.50	9.44	44.80	-25.3	VERTICAL	Passed
255.611022	32.00	39.81	56.30	-24.3	VERTICAL	Passed

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

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
7343.183367	42.30	130.32	34.30	8.0	VERTICAL	Passed
7404.305611	41.90	124.45	33.40	8.5	HORIZONTAL	Passed
7415.329659	42.50	133.35	34.30	8.2	VERTICAL	Passed
17472.947896	53.30	462.38	29.50	23.8	VERTICAL	Passed
17858.719439	59.90	988.55	30.90	29.0	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
7341.183367	29.40	29.51	21.50	7.9	VERTICAL	Passed
7400.305611	29.10	28.51	20.50	8.6	HORIZONTAL	Passed
7418.329659	29.90	31.26	21.80	8.1	VERTICAL	Passed
17476.947896	40.50	105.93	16.70	23.8	VERTICAL	Passed
17857.719439	46.80	218.78	17.80	29.0	VERTICAL	Passed

TX mode, channel 78 / 2480 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
4960.000000	38.60	85.11	37.30	1.3	HORIZONTAL	Passed
7440.000000	42.80	138.04	34.60	8.2	VERTICAL	Passed

Average (RBW: 1 MHz)

Frequency [MHz]	E [dB μ V/m]	E [μ V/m]	U _{RX} [dB μ V]	A _{TOT} [dB]	Polarisation	Result
4960.000000	26.50	21.13	25.20	1.3	VERTICAL	Passed
7440.000000	29.50	29.85	21.30	8.2	VERTICAL	Passed

4. Test Equipment

4.1. 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	22/24/27, 15C, 15B
19678	Spectrum Analyzer 26 GHz	FSP	Rohde&Schwarz	22/24/27, 15C, 15B
16601	Universal Radio Communication Tester	CMU200	Rohde&Schwarz	22/24/27, 15C, 15B
19625	Vötsch Climatic Chamber	VT4002EMC	Vötsch	22/24/27, 15C, 15B
13357	Rohde & Schwartz Signal Generator	SMP02	Rohde&Schwarz	22/24/27, 15C, 15B
20168	Bluetooth EDR Tester	CBT	Rohde&Schwarz	22/24/27, 15C, 15B

4.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
18416	Universal Radio Communication Tester	CMU200	Rohde&Schwarz	22/24/27, 15C, 15B
	Programmable Relay Switching System	-----	Pickering	22/24/27, 15C, 15B
15742	Programmable Relay Switching System	-----	Pickering	22/24/27, 15C, 15B
14020	Power Supply Module Relay Switching System 45W	10-910-002	Pickering	22/24/27, 15C, 15B
15743	Power Supply Module Relay Switching System 50W	10-910L-001	Pickering	22/24/27, 15C, 15B
16490	RS-232/IEEE-488.2 Interface	10-921-001	Pickering	22/24/27, 15C, 15B
	RS-232/IEEE-488.2 Interface	10-921-001	Pickering	22/24/27, 15C, 15B
20078	Relay 2x6 Chnl µWave Mux	10-785B-522	Pickering	22/24/27, 15C, 15B
14021	Relay Dual 6 Chnl µWave Mux	10-785-522		22/24/27, 15C, 15B
	Relay Dual 6 Chnl µWave Mux	10-785-522		22/24/27, 15C, 15B
17644	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24/27, 15C, 15B
16948	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24/27, 15C, 15B
16949	Dual 6 Channel MUX Microwave Relay SMA 50 Ohm	10-785-522	Pickering	22/24/27, 15C, 15B
18792	Multi Device Controller	2090	ETS-EMCO	22/24/27, 15C, 15B
14963	RF Preamplifier 100MHz-4GHz (Metal Chassis)	AFS3-00100400	Miteq/NMP Cph	22/24/27, 15C, 15B
18861	EMI Test Receiver 20Hz-26,5GHz	ESI	Rohde&Schwarz	22/24/27, 15C, 15B
20335	Ultra Broadband Antenna Ultralog 30-3000MHz	HL562	Rohde&Schwarz	22/24/27, 15C, 15B

Eq. No	Equipment	Type	Manufacturer	Used in
18773	Shielded Chamber	RFD-100	ETS-Lindgren	22/24/27, 15C, 15B
18774	Shielded Chamber	RFSD-F/A-100	ETS-Lindgren	22/24/27, 15C, 15B
19151	High Pass Filter 3GHz WHK3.0/18G-10ss	WHJS3000-10SS	Wainwright	22/24/27, 15C, 15B
13937	Ultra Stable Notch Filter 850MHz	WRCA902.4-0.2/40-6SS	Wainwright Instruments	22/24/27, 15C, 15B
13936	Ultra Stable Notch Filter 1747,5MHz	WRCD1747.5-0.2/40-10SS	Wainwright Instruments	22/24/27, 15C, 15B
14114	Highpass filter	WHK1000-12SS	Wainwright Instruments	22/24/27, 15C, 15B
14188	Ultra Stable Notch Filter 902,4MHz	WRCA902.4-0.2/40-6SS	Wainwright	22/24/27, 15C, 15B
14187	Ultra Stable Notch Filter 1747,5MHz	WRCD1747.5-0.2/40-10SS	Wainwright	22/24/27, 15C, 15B
16633	Ultra Stable Notch Filter 1880,0MHz	WRCD1880.0-0.2/40-10SS	Wainwright	22/24/27, 15C, 15B
19587	BT/WLAN Band Reject Filter	WRCG2400/2483-2390/2493-35/10SS	Wainwright	22/24/27, 15C, 15B
20115	WDCMA Band 2 filter		Wainwright	24, 15C, 15B
20114	WDCMA Band 4 filter	WRCG1737/1743-1733/1747-40/6SS	Wainwright	27, 15C, 15B
20116	WDCMA Band 5&6 filter	WRCG832/83/-825/845-40/5SS	Wainwright	22, 15C, 15B
18323	Band reject filter 1947-1953MHz 40dB	WRCG1947/1953-1940/1960-40/6SS	Wainwright	22/24/27, 15C, 15B
20031	Double Ridged Broadband Horn	BBHA 9120 D	SCHWARZBECK	22/24/27, 15C, 15B
19966	Magnetic Loop Antenna 9 kHz - 30 MHz	HFH2-Z2	Rohde&Schwarz	15C, 15B
14993	EMI Test Receiver 9KHz-2750MHz	ESCS30	Rohde&Schwarz	22/24/27, 15C, 15B
15191	Turntable Contoller Unit	G-800SDX	YAESU	22/24/27, 15C, 15B
14900	Antenna Controller	HD100	HD GmbH	22/24/27, 15C, 15B
19374	Resonant Dipole Antenna 850MHz SMA m Conn.	-----	NMP Cph	22/24/27, 15C, 15B
19375	Resonant Dipole Antenna 1900MHz SMA m Conn.	-----	NMP Cph	22/24/27, 15C, 15B
20168	Bluetooth EDR Tester	CBT	Rohde&Schwarz	22/24/27, 15C, 15B