

FCC Part 15B Compliance Test Report

Test Report no.:	Salo_FCC_0727_04.doc	Date of Report:	23.07.2007
Number of pages:	14	Customer's Contact person:	Bill Griffin
Testing laboratory:	TCC Nokia Salo Laboratory P.O. Box 86 Joensuunkatu 7H / Kiila 1B FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 (0) 7180 45220	Customer:	Nokia Corporation 12278 Scripps Summit Drive SAN DIEGO CA. 92131 USA Tel. +1 858 831 5000 Fax. +1 858 831 6500
FCC listing no.:	533467		
IC recognition no.:	5385		
Tested devices/ accessories:	Phone RM-270 / Battery BL-5C, Data Cable CA-101, AC-Charger AC-3U, Laptop T-30 and Printer C3941A		
FCC ID:	QMNRM-270	IC:	661X-RM270
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 and IC standards RSS-132, RSS-133 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:			

Sami Lehtonen, System Manager

1. Summary for FCC Part 15B Compliance Test Report

Date of receipt	26.06.2007
Testing completed	05.07.2007
The customer's contact person	Bill Griffin
Test Plan referred to	T:\Projects\RM-270\TestPlan_RS\RS_Testplan_RM-270.xls
Notes	-
Document name	T:\Projects\RM-270\EMC\Results\FCC\Salo_FCC_0727_04.doc

1.1. EUT and Accessory Information

The EUT is a 6-band (GSM850/900/1800/1900 and WCDMA Band I/V(850)) mobile phone with GPRS, EGPRS and Bluetooth. GSM and WCDMA bands are tested in idle mode. Bluetooth is tested with maximum rated TX power.

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-270	004401/01/251303/8	4220	-	VP bt3.10	11984
Data Cable	CA-101		1.2	1.1		12050
Battery	BL-5C	0670398360245M513121831069	-	-	-	11983
AC-Charger	AC-3U	4090495306981001058;0675372	-	-	-	11986
Laptop	T-30	99-ZYGY7	-	-	-	11358
Printer H&P LaserJet 5L	C3941A	CNVMO55419	-	-	-	10854

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 Salo Laboratory.

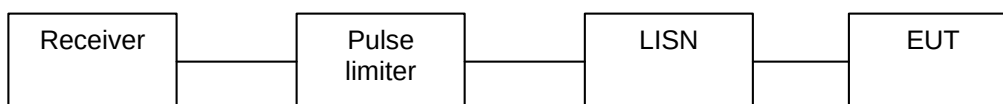
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2. AC powerline conducted emissions (FCC §15.107, ICES-003 section 5.3)

EUT with DUT number	RM-270, DUT 11984
Accessories with DUT numbers	BL-5C, DUT 11983; AC-3U, DUT 11986; CA-101, DUT 12050; C3941A, DUT 10854; T-30, DUT 11338
Operation Voltage [V] / [Hz]	115 / 60
Result	PASSED
Remarks	Phone tested flip open.
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	22 / 42 / 100.5
Date of measurements	05.07.2007
Measured by	Sami Lehtonen

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:

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

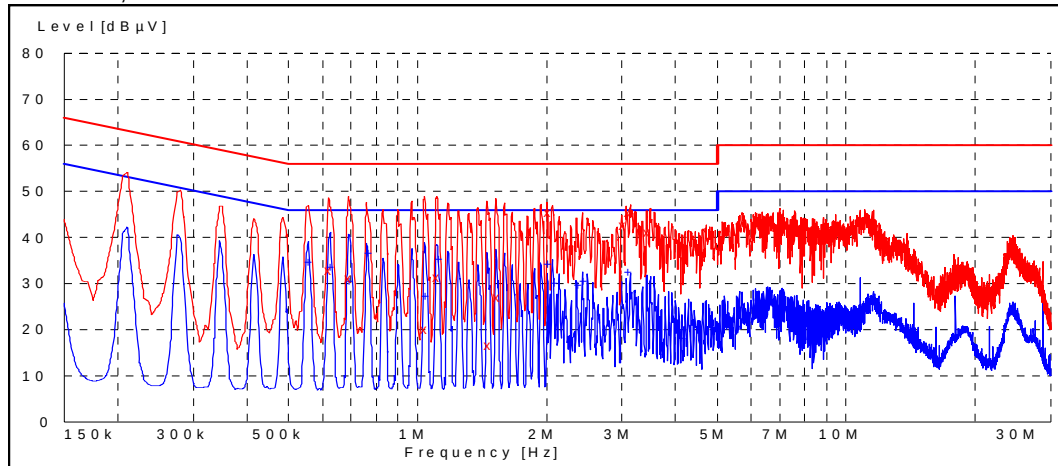
Where U_{RX} is receiver reading and A_{TOT} is total correction factor including cable and pulse limiter attenuations.

CISPR 22 Class B limits

Frequency range [MHz]	Quasi peak limit [dBμV]	Average limit [dBμV]
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)

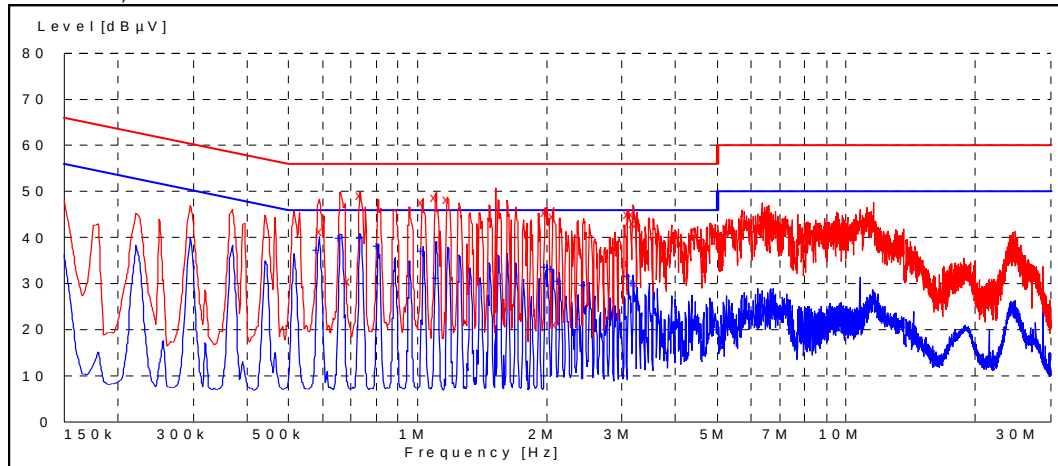
Frequency [MHz]	U [dBμV]	Line	Result
0.630000	32.90	N	PASSED
0.700000	31.10	N	PASSED
1.050000	20.10	N	PASSED
1.125000	31.50	N	PASSED
1.475000	16.60	N	PASSED
1.550000	27.00	N	PASSED
2.040000	45.50	N	PASSED
3.055000	42.60	N	PASSED
3.135000	45.40	N	PASSED
3.490000	41.20	N	PASSED

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.565000	34.70	N	PASSED
0.635000	33.50	N	PASSED
0.705000	30.60	N	PASSED
0.780000	36.70	N	PASSED
1.060000	27.40	N	PASSED
1.135000	35.20	N	PASSED
2.040000	34.30	N	PASSED
2.110000	30.00	N	PASSED
2.405000	29.70	N	PASSED
2.480000	30.60	N	PASSED
3.135000	32.60	N	PASSED

2.4. GSM 1900 Test results

RX mode, channel 661 / 1960.0 MHz



Quasi peak (RBW: 9 kHz)

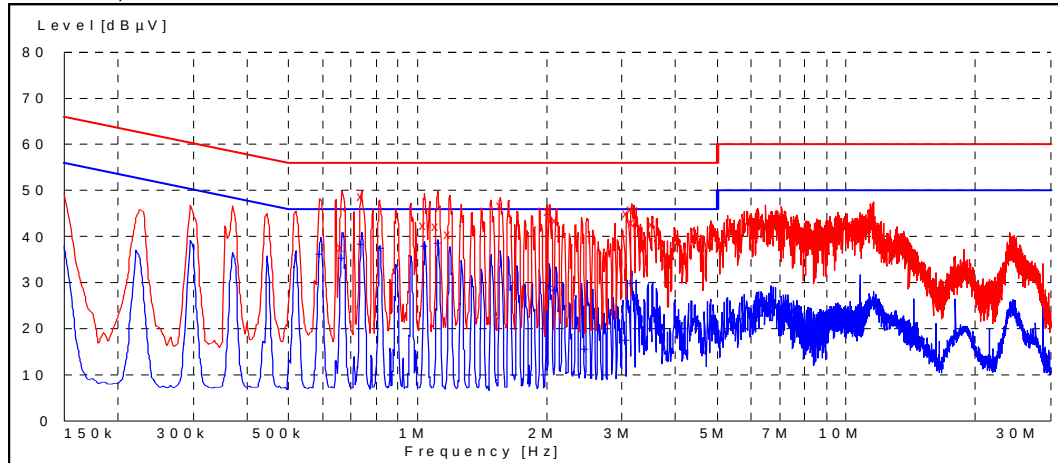
Frequency [MHz]	U [dBμV]	Line	Result
0.600000	41.50	N	PASSED
0.695000	30.60	N	PASSED
0.740000	49.20	N	PASSED
1.035000	47.70	N	PASSED
1.110000	48.70	N	PASSED
1.185000	48.40	N	PASSED
2.015000	45.60	N	PASSED
2.090000	44.50	N	PASSED
2.120000	21.30	L1	PASSED
3.130000	45.20	N	PASSED
3.210000	44.90	N	PASSED
3.230000	43.20	N	PASSED

Average (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.590000	37.20	N	PASSED
0.665000	39.90	N	PASSED
0.740000	40.00	N	PASSED
0.815000	38.20	N	PASSED
1.035000	37.10	N	PASSED
1.115000	31.10	L1	PASSED
2.010000	33.60	N	PASSED
2.085000	33.10	N	PASSED
2.160000	30.60	N	PASSED
2.460000	29.60	N	PASSED
3.130000	31.60	N	PASSED
3.200000	30.20	N	PASSED

2.5. Bluetooth Test results

TX mode, channel 40 / 2442 MHz



Quasi peak (RBW: 9 kHz)

Frequency [MHz]	U [dBμV]	Line	Result
0.670000	37.80	N	PASSED
0.750000	48.80	N	PASSED
1.045000	42.50	N	PASSED
1.120000	42.30	N	PASSED
1.195000	40.50	N	PASSED
1.575000	46.80	N	PASSED
2.045000	45.50	N	PASSED
2.125000	43.40	N	PASSED
3.115000	45.00	N	PASSED
3.190000	45.80	N	PASSED
3.210000	43.20	N	PASSED
3.560000	42.80	N	PASSED

Average (RBW: 9 kHz)

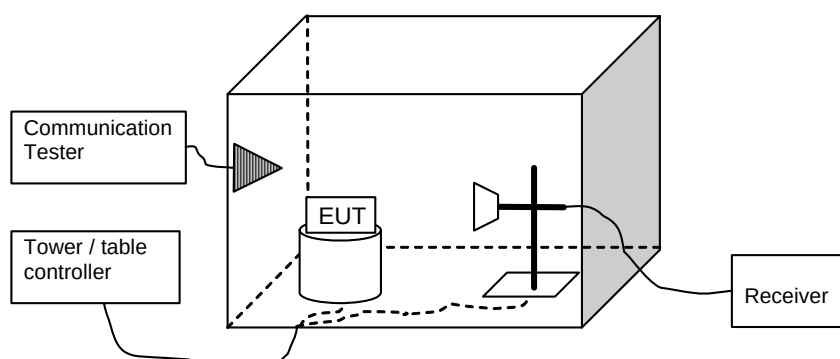
Frequency [MHz]	U [dBμV]	Line	Result
0.600000	36.10	N	PASSED
0.675000	35.30	N	PASSED
0.750000	38.30	N	PASSED
0.830000	37.40	N	PASSED
1.055000	37.90	N	PASSED
1.130000	38.60	N	PASSED
2.055000	29.30	N	PASSED
2.120000	28.30	N	PASSED
2.495000	15.70	N	PASSED
3.105000	17.60	N	PASSED
3.185000	29.90	N	PASSED
3.270000	26.20	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-270, DUT 11984
Accessories with DUT numbers	BL-5C, DUT 11983; AC-3U, DUT 11986; CA-101, DUT 12050; C3941A, DUT 10854; T-30, DUT 11338
Operation Voltage [V] / [Hz]	115 / 60
Result	PASSED
Remarks	Phone tested flip open mode.
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	22 / 41 / 100.3
Date of measurements	05.07.2007
Measured by	Sami Lehtonen

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:

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

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

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3476.800000	44.10	160.32	45.90	-1.8	VERTICAL	PASSED
6953.600000	46.40	208.93	43.60	2.8	HORIZONTAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3476.800000	30.60	33.88	32.40	-1.8	VERTICAL	PASSED
6953.600000	33.00	44.67	30.20	2.8	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
34.107214	29.10	28.51	39.90	-10.8	VERTICAL	PASSED
37.716834	33.50	47.32	46.10	-12.6	VERTICAL	PASSED
47.052705	27.10	22.65	45.70	-18.6	VERTICAL	PASSED
52.283768	24.10	16.03	46.40	-22.3	VERTICAL	PASSED
59.900601	29.80	30.90	55.00	-25.2	VERTICAL	PASSED
87.793988	23.50	14.96	44.30	-20.8	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
2943.889780	38.70	86.10	35.50	3.2	VERTICAL	PASSED
7501.497996	34.80	54.95	30.50	4.3	VERTICAL	PASSED
7977.949900	35.60	60.26	30.00	5.6	VERTICAL	PASSED

RX mode, channel 251 / 893.8 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3575.200000	43.00	141.25	46.30	-3.3	HORIZONTAL	PASSED
7150.400000	46.80	218.78	44.50	2.3	HORIZONTAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3575.200000	29.00	28.18	32.30	-3.3	HORIZONTAL	PASSED
7150.400000	33.40	46.77	31.10	2.3	VERTICAL	PASSED

3.4. GSM 1900 Test results

RX mode, channel 512 / 1930.2 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3860.000000	41.00	112.20	44.60	-3.6	HORIZONTAL	PASSED
7720.000000	47.00	223.87	43.00	4.0	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3860.000000	28.30	26.00	31.90	-3.6	HORIZONTAL	PASSED
7720.000000	34.50	53.09	30.50	4.0	HORIZONTAL	PASSED

RX mode, channel 661 / 1960.0 MHz

Quasi peak (RBW: 120 kHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
39.859719	27.60	23.99	41.50	-13.9	VERTICAL	PASSED
86.774950	35.50	59.57	56.40	-20.9	HORIZONTAL	PASSED
91.322645	38.60	85.11	59.40	-20.8	HORIZONTAL	PASSED
144.147495	21.90	12.45	44.90	-23.0	VERTICAL	PASSED
442.383768	25.90	19.72	45.40	-19.5	VERTICAL	PASSED
567.934269	25.60	19.05	42.60	-17.0	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
2942.891784	38.70	86.10	35.50	3.2	HORIZONTAL	PASSED
7504.000000	34.80	54.95	30.50	4.3	VERTICAL	PASSED
7975.949900	35.70	60.95	30.10	5.6	VERTICAL	PASSED

RX mode, channel 810 / 1989.8 MHz

Peak (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3980.000000	41.70	121.62	44.80	-3.1	HORIZONTAL	PASSED
7960.000000	48.50	266.07	42.90	5.6	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
3980.000000	28.70	27.23	31.80	-3.1	HORIZONTAL	PASSED
7960.000000	35.50	59.57	29.90	5.6	VERTICAL	PASSED

3.5. Bluetooth Test results

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	44.60	169.82	44.10	0.5	VERTICAL	PASSED
7206.000000	46.80	218.78	44.10	2.7	VERTICAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	30.90	35.08	30.40	0.5	VERTICAL	PASSED
7206.000000	33.50	47.32	30.80	2.7	VERTICAL	PASSED

Channel 40 / 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
38.195391	12.60	4.27	31.30	-18.7	VERTICAL	PASSED
50.621844	9.40	2.95	36.30	-26.9	VERTICAL	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4830.155311	43.80	154.88	42.90	0.9	VERTICAL	PASSED
7330.155311	47.20	229.09	44.10	3.1	VERTICAL	PASSED
12509.010020	52.80	436.52	42.10	10.7	VERTICAL	PASSED
13296.593186	53.30	462.38	41.10	12.2	HORIZONTAL	PASSED
15356.709419	54.60	537.03	38.80	15.8	HORIZONTAL	PASSED
15912.321643	54.70	543.25	37.60	17.1	HORIZONTAL	PASSED
16161.820641	55.60	602.56	38.10	17.5	VERTICAL	PASSED
17909.813627	56.00	630.96	37.80	18.2	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
4830.655311	31.10	35.89	30.20	0.9	VERTICAL	PASSED
7331.155311	34.30	51.88	31.20	3.1	VERTICAL	PASSED
12506.510020	39.50	94.41	28.80	10.7	VERTICAL	PASSED
13292.593186	40.00	100.00	27.90	12.1	HORIZONTAL	PASSED
15357.709419	40.70	108.39	24.90	15.8	HORIZONTAL	PASSED
15907.321643	41.60	120.23	24.40	17.2	HORIZONTAL	PASSED
16160.320641	42.40	131.83	24.90	17.5	VERTICAL	PASSED
17907.313627	43.20	144.54	25.10	18.1	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	42.80	138.04	43.20	-0.4	HORIZONTAL	PASSED
7440.000000	47.80	245.47	44.10	3.7	HORIZONTAL	PASSED

Average (RBW: 1 MHz)

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	30.20	32.36	30.60	-0.4	VERTICAL	PASSED
7440.000000	34.60	53.70	30.90	3.7	VERTICAL	PASSED

4. Test Equipment

4.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
1742	EMI Test Receiver	ESMI	R&S	15C, 15B
1759	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
1872	Thermo- Hygrograph	00.02520.150700	Lambrecht	15C, 15B
1916	Radio Communication tester	CMTA84	R&S	15C, 15B
2039	Power Supply	PL330QMD	THURLBY	15C, 15B
2060	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
2068	CDN-Antenna line	S1	NMP	15C, 15B
2097	Pulse Limiter	ESH3-Z2	R&S	15C, 15B
2111	Multimeter	TX3	Tektronix	15C, 15B
2156	Digital Radio Communication Tester	CMU200	R&S	15C, 15B
2206	Signal generator	SMX	R&S	15C, 15B
2335	GPIB Switch 2 to 1	-	National Instruments	15C, 15B
2347	Digital Radio Communication Tester	CMU200	R&S	22/24, 15C, 15B
2352	Spectrum Analyzer	FSP	R&S	22/24, 15C
2359	Temperature Test system	VT4002	Vötsch Industrietechnik	22/24
2360	Serial Bus Converter	Serial 488A	IO Tech	22/24
2362	Power Supply	NGPX 70/5	R&S	22/24
2388	Bluetooth Tester	CBT	R&S	15C, 15B
-	RF Emission Software	ES-K1 v.1.71	R&S	22/24, 15C, 15B

4.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
1748	Log. per. Antenna	HL025	R&S	22/24, 15C
1749	Log. per. Antenna	HL025	R&S	22/24, 15C
1875	Thermo- Hygrograph	00.02520.150700	Lambrecht	22/24, 15C, 15B
1917	Radio Communication tester	CMTA84	R&S	22/24, 15C, 15B
1933	Precision half-wave dipole antennas	HZ-13	R&S	22/24, 15C
1938	Precision half-wave dipole antennas	HZ-12	R&S	22/24, 15C
2006	Radiation Reference Source	VSQ	MEB	22/24, 15C, 15B
2009	Signal generator	SMP 22	R&S	22/24, 15C, 15B
2019	Multimeter	34401A	HP	22/24, 15C, 15B
2027	Coupling and Decoupling Network	M2 (modified) DC1	MEB	22/24, 15C, 15B
2028	Coupling and Decoupling Network	M3 (modified) DC2	MEB	22/24, 15C, 15B
2029	Power Supply	PL330	THURLBY	22/24, 15C, 15B
2043	Band Reject Filter	WRCA824/849-0,2-6SS	Wainwright	22/24, 15C, 15B
2047	Band Reject Filter	WRCC1800/2000-0,2-10SS	Wainwright	22/24, 15C, 15B
2051	High Pass Filter	4HC1700-1-KK	R&S	22/24, 15C
2057	Log. per. Antenna	HL025	R&S	22/24, 15C

Eq. No	Equipment	Type	Manufacturer	Used in
2109	Power Supply	PL330QMD	THURLBY	22/24, 15C, 15B
2110	Multimeter	34401A	HP	22/24, 15C, 15B
2112	Multimeter	TX3	Tektronix	22/24, 15C, 15B
2116	Controller	EMCO MODEL 2090	ETS	22/24, 15C, 15B
2133	Power Meter	NRVS	R&S	22/24, 15C
2134	Power Sensor	NRV-Z32	R&S	22/24, 15C
2135	Coupling and Decoupling Network	CDN 801-M3	LÜTHI	22/24, 15C, 15B
2138	Ultra Broadband Antenna	HL562	R&S	22/24, 15C, 15B
2140	Biconical Antenna	EMCO93110B	EMCO	22/24, 15C
2142	Log.-per.-dipol Antenna	3146	EMCO	22/24, 15C
2144	Attenuator	6803.17B	Huber-Suhner	22/24, 15C, 15B
2150	High Pass Filter	F-15041	RLC ELECTRONICS	22/24, 15C
2176	Coupling and Decoupling Network	CDN 801-M3	LÜTHI	22/24, 15C, 15B
2180	Digital Radio Communication Tester	CMU200	R&S	22/24, 15C, 15B
2188	Preamplifier	AFS4-00100300-20-23P-6	MITEQ	22/24, 15C, 15B
2330	EMI Test receiver	ESIB26	R&S	22/24, 15C, 15B
2334	GPIO Switch 2 to 1	-	National Instruments	22/24, 15C, 15B
2348	Yaesu controller	G-1000DXC	YAESU	22/24, 15C, 15B
2349	Computer controller (Yaesu)	GS-232B	YAESU	22/24, 15C, 15B
2350	Preamplifier	AMF-6D-020180-29-20P	MITEQ	22/24, 15C
2361	Anechoic chamber	3 meter semi/full anechoic chamber	Euroshield	22/24, 15C, 15B
2398	Horn antenna	HF906	R&S	22/24, 15C
2363	Band Reject Filter	WRCG 832/838-825/845/5SS	Wainwright	22/24
2364	Band Reject Filter	WRCG1877/1883 - 1870/1890-40/6SS	Wainwright	22/24
2365	Relay Switch Unit	TS-RSP	R&S	22/24, 15C, 15B
2366	Relay Switch Unit	TS-RSP	R&S	22/24, 15C, 15B
2384	Band Reject Filter	WRCG832/838-825/845-40/5SS	Wainwright	22/24
2388	Bluetooth Tester	CBT	R&S	15C, 15B
-	RF Emission Software	ES-K1 v.1.71	R&S	22/24, 15C, 15B