

FCC Part 15B Compliance Test Report

Test Report no.:	FCC15B_RM-1041_06.docx	Date of Report:	13-Oct-2014
Number of pages:	15	Customer's Contact person:	Helen Hu
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FCC listing no.:	533467		
IC recognition no.:	661V-1		
Tested devices/ accessories:	Phone RM-1041 / Battery BV-T5A / WLC Cover CC-3086 / AC-Charger AC-20E / Headset WH-108		
FCC ID:	QTLRM-1041	IC:	-
Supplement reports:	-		
Testing has been carried out in accordance with:	CFR 47, FCC rules Part 15 Subpart B, ANSI C63.4 (2003), CISPR 22 and IC standards, RSS-GEN (Issue 3, December 2010), RSS-132 (Issue 2, September 2005), RSS-133 (Issue 5, February 2009), RSS-139 (Issue 2, February 2009), RSS-130 (Issue 1, October 2013). 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 Microsoft.		
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:			
	Kalle Hannila, System Manager, EMC		

1. Summary for FCC Part 15B Compliance Test Report

Date of receipt	26-Sep-2014
Testing completed	07-Oct-2014
The customer's contact person	Helen Hu
Test Plan referred to	T:\Projects\RM-1041\TestPlan\RS_testplan_RM-1041.xlsm
Notes	-
Document name	T:\Projects\RM-1041\EMC\FCC15B_RM-1041_06.docx

1.1. EUT and Accessory Information

The EUT is a mobile phone with following features:
GSM/CDMA/WCDMA/WLAN/Bluetooth
The EUT is tested with maximum rated TX power.

Devices under tests

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-1041	353067060029511	0364	-	02042.00000.14372.27013	18673
Battery	BV-T5A	4175354295C1080102660670740	-	-		18674
WLC Cover	CC-3086	-	-	-		18675
AC-Charger	AC-20E	486867246144050013260675628	-	-		18676
Headset	WH-108	2265171	-	-	-	18677

1.2. Summary of Test Results

GSM 850:

Section in CFR 47	Section in RSS-GEN	Name of the test	Result
15.107, a	7.2.4	AC powerline conducted emissions	
15.109, a	6.1	Radiated emissions	PASSED

CDMA 800:

Section in CFR 47	Section in RSS-GEN	Name of the test	Result
15.107, a	7.2.4	AC powerline conducted emissions	
15.109, a	6.1	Radiated emissions	PASSED

CDMA 1900:

Section in CFR 47	Section in RSS-GEN	Name of the test	Result
15.107, a	7.2.4	AC powerline conducted emissions	
15.109, a	6.1	Radiated emissions	PASSED

LTE4:

Section in CFR 47	Section in RSS-GEN	Name of the test	Result
15.107, a	7.2.4	AC powerline conducted emissions	
15.109, a	6.1	Radiated emissions	PASSED

LTE13:

Section in CFR 47	Section in RSS-GEN	Name of the test	Result
15.107, a	7.2.4	AC powerline conducted emissions	
15.109, a	6.1	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 Microsoft Laboratory.

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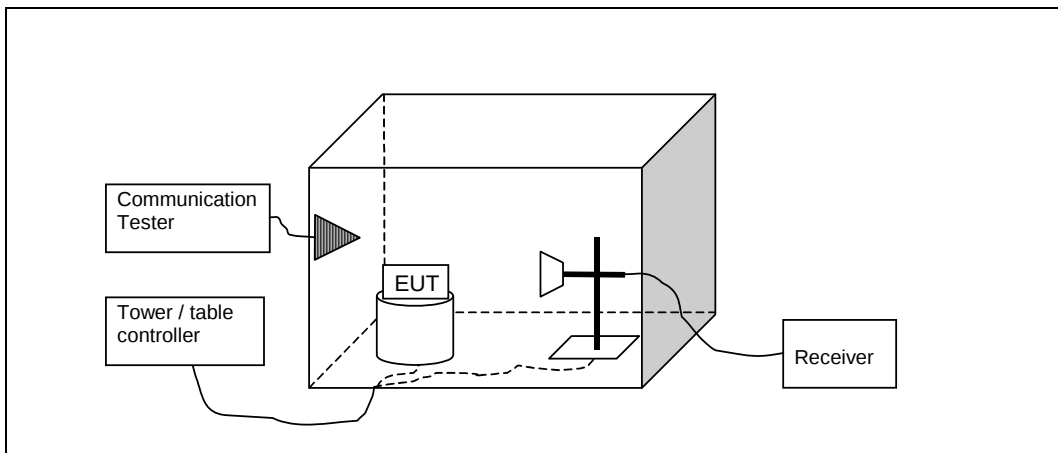
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2. Radiated emissions

(FCC 15.109, a, RSS-132 6.1, RSS-133 6.1, RSS-139 6.1, RSS-130 6.1)

EUT with DUT number	RM-1041, DUT 18673
Accessories with DUT numbers	BV-T5A, DUT 18674 ; CC-3086, DUT 18675 ; AC-20E, DUT 18676 ; WH-108, DUT 18677
Operation Voltage [V] / [Hz]	Nominal
Results	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	17 / 45 / 101.4
Date of measurements	05-Oct-2014
Measured by	Sami Lehtonen / Kalle Hannila

2.1.1 Test setup



2.2. 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:

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

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

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

Frequency range [MHz]	Quasi peak limit [dB μ V/m]	Average limit [dB μ V/m]	Peak limit [dB μ V/m]
30 - 230	40	-	-
230 – 1000	47	-	-
1000 - 3000	-	50	70
Above 3000	-	54	74

2.3. GSM 850 test results, FM Radio on

RX mode, channel 128 / 869.2 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3476.9	36.93	70.226	42.73	-5.8	74	37.07	PASSED
6952.4	47.49	236.865	45.29	2.2	74	26.51	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3476.9	24.12	16.069	29.92	-5.8	54	29.88	PASSED
6952.4	34.24	51.523	32.04	2.2	54	19.76	PASSED

RX mode, channel 190 / 881.6 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
30.36	28.66	27.102	36.96	-8.3	40	11.34	PASSED
43.837	22.82	13.836	39.92	-17.1	40	17.18	PASSED
98.016	51.63	381.505	73.53	-21.9	40	-11.63	*PASSED

*98.0 MHz frequency is FM-Radio signal and thus ignored."

RX mode, channel 190 / 881.6 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7818.842	47.36	233.346	42.06	5.3	74	26.64	PASSED
7829.46	47.3	231.739	41.9	5.4	74	26.7	PASSED
7838.579	47.33	232.541	41.93	5.4	74	26.67	PASSED
7857.415	47.69	242.382	42.19	5.5	74	26.31	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7818.842	34.22	51.404	28.92	5.3	54	19.78	PASSED
7829.46	34.37	52.3	28.97	5.4	54	19.63	PASSED
7838.579	34.24	51.523	28.84	5.4	54	19.76	PASSED
7857.415	34.15	50.992	28.65	5.5	54	19.85	PASSED

RX mode, channel 190 / 881.6 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3528	37.4	74.131	42.8	-5.4	74	36.6	PASSED
7052.1	45.89	197.015	42.89	3	74	28.11	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3528	24.73	17.239	30.13	-5.4	54	29.27	PASSED
7052.1	32.48	42.073	29.48	3	54	21.52	PASSED

RX mode, channel 251 / 893.8 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3576.4	37.66	76.384	42.66	-5	74	36.34	PASSED
7149.5	46.81	219.028	43.11	3.7	74	27.19	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3576.4	24.82	17.418	29.82	-5	54	29.18	PASSED
7149.5	33.52	47.424	29.82	3.7	54	20.48	PASSED

2.4. CDMA 800 test results, FM Radio On

RX mode, channel 1013 / 869.7 MHz

2.5. CDMA 1900 test results, FM Radio On

RX mode, channel 25 / 1931.25 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3863.7	37.89	78.433	42.39	-4.5	74	36.11	PASSED
5793.65	43.15	143.714	44.25	-1.1	74	30.85	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3863.7	25.05	17.885	29.55	-4.5	54	28.95	PASSED
5793.65	30.24	32.509	31.34	-1.1	54	23.76	PASSED

RX mode, channel 600 / 1960.0 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
30.09	29.22	28.907	37.32	-8.1	40	10.78	PASSED
43.797	21.86	12.388	38.96	-17.1	40	18.14	PASSED
98.016	45.42	186.638	67.32	-21.9	40	-5.42	*PASSED

*98.0 MHz frequency is FM-Radio signal and thus ignored."

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
1960.119	51	354.813	55.8	-4.8	70	19	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
1960.119	39.13	90.469	43.93	-4.8	50	10.87	PASSED

RX mode, channel 600 / 1960.0 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7819.943	47.48	236.592	42.18	5.3	74	26.52	PASSED
7820.042	47.23	229.879	41.93	5.3	74	26.77	PASSED
7837.071	47.1	226.464	41.7	5.4	74	26.9	PASSED
7863.524	47	223.872	41.4	5.6	74	27	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7819.943	34.3	51.88	29	5.3	54	19.7	PASSED
7820.042	34.25	51.582	28.95	5.3	54	19.75	PASSED
7837.071	34.29	51.82	28.89	5.4	54	19.71	PASSED
7863.524	34.13	50.874	28.53	5.6	54	19.87	PASSED

RX mode, channel 600 / 1960.0 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3920.1	38.23	81.564	42.43	-4.2	74	35.77	PASSED
5879.9	43.34	146.893	44.54	-1.2	74	30.66	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3920.1	25.48	18.793	29.68	-4.2	54	28.52	PASSED
5879.9	30.37	32.999	31.57	-1.2	54	23.63	PASSED

RX mode, channel 1175 / 1988.75 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3976.6	38.17	81.003	42.47	-4.3	74	35.83	PASSED
5964.65	44.27	163.493	45.37	-1.1	74	29.73	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
3976.6	25.3	18.408	29.6	-4.3	54	28.7	PASSED
5964.65	30.99	35.441	32.09	-1.1	54	23.01	PASSED

2.6. LTE4 test results, GPS Receiver On

RX mode, channel 1975 / 2112.5 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
4223.7	38.19	81.19	42.09	-3.9	74	35.81	PASSED
6335.5	45.34	184.927	45.54	-0.2	74	28.66	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
4223.7	25.74	19.364	29.64	-3.9	54	28.26	PASSED
6335.5	32.21	40.785	32.41	-0.2	54	21.79	PASSED

RX mode, channel 2175 / 2132.5 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
30.18	28.88	27.797	37.08	-8.2	40	11.12	PASSED
44.949	21.36	11.695	39.26	-17.9	40	18.64	PASSED
85	19.21	9.131	41.31	-22.1	40	20.79	PASSED

RX mode, channel 2175 / 2132.5 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7827.555	47.65	241.268	42.25	5.4	74	26.35	PASSED
7835.169	48.52	266.686	43.12	5.4	74	25.48	PASSED
7838.977	46.96	222.844	41.56	5.4	74	27.04	PASSED
7852.603	47.76	244.343	42.26	5.5	74	26.24	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7827.555	34.39	52.42	28.99	5.4	54	19.61	PASSED
7835.169	34.36	52.24	28.96	5.4	54	19.64	PASSED
7838.977	34.32	52	28.92	5.4	54	19.68	PASSED
7852.603	34.18	51.168	28.68	5.5	54	19.82	PASSED

RX mode, channel 2375 / 2152.5 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
4305.9	40.18	102.094	42.98	-2.8	74	33.82	PASSED
6457.2	45.72	193.197	45.32	0.4	74	28.28	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
4305.9	26.72	21.677	29.52	-2.8	54	27.28	PASSED
6457.2	32.66	42.954	32.26	0.4	54	21.34	PASSED

2.7. LTE13 test results, GPS Receiver On

RX mode, channel 5205 / 748.5 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
748.12	44.08	159.956	50.98	-6.9	47	2.92	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
1497	36.08	63.68	42.98	-6.9	70	33.92	PASSED
2243.7	40.66	107.895	42.56	-1.9	70	29.34	PASSED
2246.9	40.85	110.281	42.65	-1.8	70	29.15	PASSED
3000.8	37.63	76.12	42.33	-4.7	74	36.37	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
1497	22.89	13.948	29.79	-6.9	50	27.11	PASSED
2243.7	27.91	24.86	29.81	-1.9	50	22.09	PASSED
2246.9	28.02	25.177	29.82	-1.8	50	21.98	PASSED
3000.8	24.63	17.041	29.33	-4.7	54	29.37	PASSED

RX mode, channel 5230 / 751.0 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
30.21	29.24	28.973	37.44	-8.2	40	10.76	PASSED
45	20.61	10.728	38.51	-17.9	40	19.39	PASSED
85	19.48	9.419	41.58	-22.1	40	20.52	PASSED
749.142	40.71	108.518	53.61	-12.9	47	6.29	PASSED

RX mode, channel 5230 / 751.0 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7815.234	47.43	235.234	42.23	5.2	74	26.57	PASSED
7825.951	47.17	228.297	41.77	5.4	74	26.83	PASSED
7836.672	47.82	246.037	42.42	5.4	74	26.18	PASSED
7857.919	47.22	229.615	41.72	5.5	74	26.78	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
7815.234	34.09	50.641	28.89	5.2	54	19.91	PASSED
7825.951	34.23	51.464	28.83	5.4	54	19.77	PASSED
7836.672	34.2	51.286	28.8	5.4	54	19.8	PASSED
7857.919	34.07	50.524	28.57	5.5	54	19.93	PASSED

RX mode, channel 5255 / 753.5 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
1505.7	35.66	60.674	42.66	-7	70	34.34	PASSED
2261.3	41.2	114.815	43	-1.8	70	28.8	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Limit [dBμV/m]	Margin	Results
1505.7	22.82	13.836	29.82	-7	50	27.18	PASSED
2261.3	28.04	25.235	29.84	-1.8	50	21.96	PASSED

3. Test Equipment

3.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
6039	USB Interface	5541765	Testo	22/24/27, 15C, 15B
6044	V-network	ESH3-Z6	R&S	-
2059	V-network	ESH3-Z6	R&S	-
1759	LISN 50 µH	ESH3-Z5	R&S	22/24/27, 15C, 15B
2097	Pulse Limiter	ESH3-Z2	R&S	22/24/27, 15C, 15B
1999	Receiver	ESIB26	R&S	22/24/27, 15C, 15B
2180	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
2390	Directional Coupler	DC2600	AR	-
-	RF immunity / Emission Software	EMC32	R&S	22/24/27, 15C, 15B
2060	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
1759	LISN 50 µH	ESH3-Z5	R&S	15C, 15B
2039	Power Supply	PL330QMD	Thurlby	15C, 15B
6036	Data Logger	175-H2	Testo	22/24/27, 15C, 15B
2359	Temperature Test Chamber	VT4002	Vötsch	22/24/27
2352	Spectrum Analyzer	FSP-30	R&S	22/24/27, 15C
6109	Communication Tester	CMU200	R&S	22/24/27, 15C
6246	Power Supply	66332A	HP	22/24/27, 15C
1992	Signal Generator	83630B	Agilent	15C, 15B
6098	Signal Generator	8648C	Agilent	-
6046	Attenuator 10dB	8493C	Agilent	22/24/27, 15C
6047	Attenuator 20dB	8493C	Agilent	22/24/27, 15C
6045	Power splitter	11667B	Agilent	22/24/27, 15C
6247	Communication Tester	CBT	R&S	22/24/27, 15C 15B
6052	Communication Tester	CMU200	R&S	22/24/27, 15C 15B
6248	Power Supply	6632B	-	22/24/27, 15C 15B
6106	Spectrum Analyzer	FSP-30	R&S	22/24/27, 15C 15B
6113	Signal Generator	SMF100A	R&S	22/24/27, 15C 15B
6202	Temperature Test Chamber	VT4002	Vötsch	22/24/27, 15C 15B
6122	Power Splitter	11667B	Agilent	22/24/27, 15C 15B
6134	Attenuator 10dB	BW-S10-2W263+	Mini-Circuits	22/24/27, 15C
6136	Attenuator 20dB	BW-S20-2W263+	Mini-Circuits	22/24/27, 15C
6103	Bluetooth tester	CBT	R&S	22/24/27, 15C 15B
6250	Power Supply	6651A	Agilent	22/24/27, 15C 15B
6108	Communication Tester	CMU200	R&S	22/24/27, 15C 15B
6105	Spectrum Analyzer	FSV-30	R&S	22/24/27, 15C 15B
6251	Temperature Test Chamber	VT4002	Vötsch	22/24/27, 15C 15B
6243	Power Splitter	1167B	Agilent	22/24/27, 15C 15B
6245	Attenuator 10dB	BW-S10-2W263+	Mini-Circuits	22/24/27, 15C 15B
6244	Attenuator 20dB	BW-S20-2W263+	Mini-Circuits	22/24/27, 15C 15B

3.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
2388	Bluetooth Tester	CBT	R&S	15B
10479	Communication Tester	CMW500	R&S	22/24/27, 15C, 15B
2347	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
2009	Signal Generator	SMP 22	R&S	22/24/27, 15C, 15B
2348	Controller	G-1000DXC	Yaesu	22/24/27, 15C, 15B
2349	Computer Controller	g-1000DXC	Yaesu	22/24/27, 15C, 15B
2116	Controller	EMCO 2090	ETS	22/24/27, 15C, 15B
2109	Power Supply	PL330QMD	Thurlby	22/24/27, 15C, 15B
2353	Receiver	ESIB26	R&S	22/24/27, 15C, 15B
6115	Open switch and control unit	OSP 130	R&S	22/24/27, 15C 15B
6116	Open switch and control unit	OSP 150	R&S	22/24/27, 15C 15B

Eq. No	Equipment	Type	Manufacturer	Used in
6117	Open switch and control unit	OSP 150	R&S	22/24/27, 15C 15B
6131	Notch Filter	WRCT902.4-0.4/40-8SS	Wainwright	22/24/27, 15C 15B
6130	Notch Filter	WRCD1880-1.1.25/50-10SS	Wainwright	22/24/27
6159	Band Reject Filter	WRCD1747.8-0.4/40-5SS	Wainwright	22/24/27, 15C, 15B
6158	Band Reject Filter	WRCT836.6-0.4/40-8SS	Wainwright	22/24/27, 15C, 15B
6197	Band Reject Filter	WRCJV2531/2539-2523/2547-60/12SS	Wainwright	22/24/27, 15C, 15B
2231	Band Reject Filter	WRCG1947/1953-1940/1960-40/6SS	Wainwright	22/24/27, 15C, 15B
2391	Band Reject Filter	WRCG1729.4/1735.4-1722.4/1742.4-40/6SS	Wainwright	27
2386	Band Reject Filter	WRCG1764.4/1770.4-1760.4/1774.4-40/6SS	Wainwright	22/24/27, 15C, 15B
2385	Band Reject Filter	WRCG1744.4/1750.4-1740.4/1754.4-40/6SS	Wainwright	22/24/27, 15C, 15B
2357	Band Reject Filter	WRCG2400/2483-2390/2493-35/10SS	Wainwright	15C
2188	Preamplifier	AFS4-00100300-20-23P-6	Miteq	22/24/27, 15C, 15B
6195	High Pass Filter	-	Wainwright	22/24/27, 15C, 15B
2364	Band Reject Filter	WRCG1877/1883 - 1870/1890-40/6SS	Wainwright	24
2361	Anechoic Chamber	3 m Semi / Full Anechoic Chamber	Euroshield	22/24/27, 15C, 15B
6212	Antenna Array system	-	TCC	22/24/27, 15C, 15B
-	RF immunity / Emission Software	EMC32	R&S	22/24/27, 15C, 15B
6089	Antenna	HFH2-Z2	R&S	15C, 15B
2027	CDN	M2 (modified) DC1	MEB	22/24/27, 15C, 15B
2028	CDN	M3 (modified) DC2	MEB	22/24/27, 15C, 15B
2176	CDN	CDN 801-M3	Lüthi	22/24/27, 15C, 15B
2135	CDN	CDN 801-M3	Lüthi	22/24/27, 15C, 15B
2029	Power Supply	PL330	Thurlby	22/24/27, 15C
6038	Data Logger	Testo 580	Testo	22/24/27, 15C, 15B
6037	Data Logger	175-H2	Testo	22/24/27, 15C, 15B
6039	USB Interface	5541765	Testo	22/24/27, 15C, 15B