

FCC Part 15C Compliance Test Report

Test Report no.:	Bej_FCC_0750_07.doc	Date of Report:	20.12.2007
Number of pages:	13	Customer's Contact person:	Lehtinen Tero
Testing laboratory:	TCC Nokia Beijing Laboratory Nokia Tower Pacific Century Place 2A Gong Ti Bei Lu Chaoyang District 100027 BEIJING, PRC Tel. +86 10 65392828 Fax. +86 10 65393838	Customer:	Nokia Corporation P.O. Box 86 Joensuukatu 7 FIN-24101 SALO, FINLAND Tel. +358 (0) 7180 08000 Fax. +358 (0) 7180 44277
FCC listing no.:	884453		
IC recognition no.:	4917		
Tested devices/ accessories:	Phone RM-426 / Battery BP-6MT, AC-charger AC-5E, Headset HS-47		
FCC ID:	PYARM-426	IC:	661V-RM426
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 (Issue 2, June 2007) 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:			

Yin Hongpeng, Engineer

1. Summary for FCC Part 15C Compliance Test Report

Date of receipt	11.12.2007
Testing completed	19.12.2007
The customer's contact person	Lehtinen Tero
Test Plan referred to	T:\Projects\RM-426\TestPlan_RS\RS_Testplan_RM-426.xls
Notes	-
Document name	T:\Projects\RM-426\EMC\Results\FCC\Bej_FCC_0750_07.doc

1.1. EUT and Accessory Information

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

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-426	004401012862278	0850	-	151.34.02	50763
Battery	BP-6MT	3932137294110126288;0670551	-	-	-	50764
AC-charger	AC-5E	3943497311080605998;0675540	1.9	-	-	50765
Headset	HS-47	06946307391Q2100254	6.1	5.0	-	50766

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(d)	A8.5	Band edge compliance of RF emissions	NP
15.247(d)	A8.5	Spurious RF conducted emissions	NP
15.247(d), 15.209	A8.5	Spurious radiated emissions	PASSED
15.207	7.2.2	AC powerline conducted emissions	NP
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

WLAN:

Section in CFR 47	Section in RSS-210	Name of the test	Result
15.247(b)(1)	A8.4 (4)	Conducted peak output power	NP
15.247(d)	A8.5	Band edge compliance of RF emissions	NP
15.247(d)	A8.5	Spurious RF conducted emissions	NP
15.247(d), 15.209	A8.5	Spurious radiated emissions	PASSED
15.207	7.2.2	AC powerline conducted emissions	NP
15.247(a)(2)	A8.2 (1)	6 dB bandwidth	NP
15.247(e)	A8.2 (2)	Power spectral density	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.

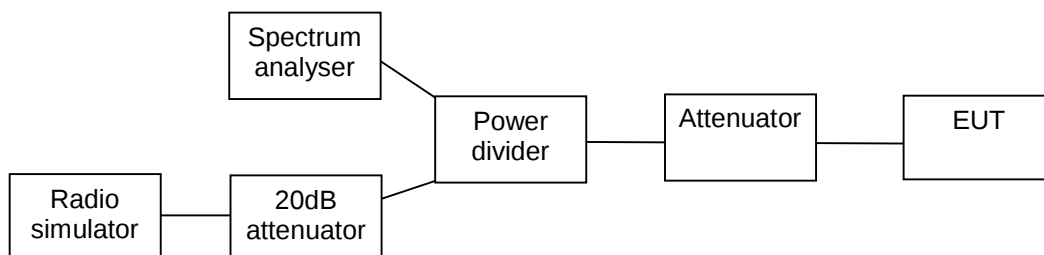
The test was not performed by the TCC Nokia Beijing Laboratory.

CONTENTS

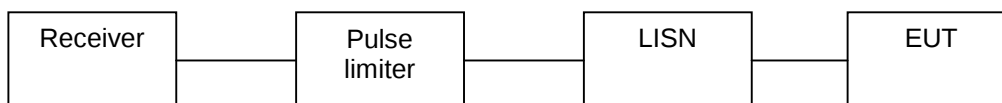
1. Summary for FCC Part 15C Compliance Test Report.....	2
1.1. EUT and Accessory Information	2
1.2. Summary of Test Results	2
2. Test setups.....	4
2.1. Conducted RF test setup	4
2.2. AC powerline conducted emissions test setup.....	4
2.3. Spurious radiated emissions test setup	4
3. Spurious radiated emissions (FCC §15.247(d), §15.209, RSS-210 A8.5).....	5
3.1. Test method and limit.....	5
3.2. Bluetooth Test results	6
4. Spurious radiated emissions (FCC §15.247(d), §15.209, RSS-210 A8.5).....	9
4.1. Test method and limit.....	9
4.2. WLAN Test results	10
5. Test Equipment.....	13
5.1. Conducted measurements	13
5.2. Radiated measurements	13

2. Test setups

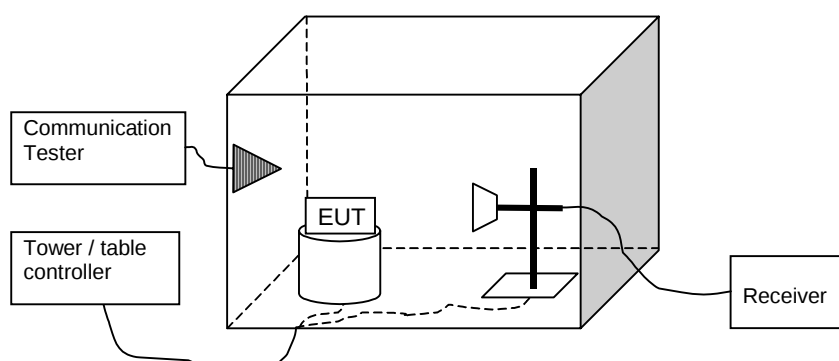
2.1. Conducted RF test setup



2.2. AC powerline conducted emissions test setup



2.3. Spurious radiated emissions test setup



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

EUT with DUT number	RM-426 DUT 50763
Accessories with DUT numbers	BP-6MT DUT 50764; AC-5E DUT 50765; HS-47 DUT 50766
Operation Voltage [V] / [Hz]	220 / 50
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	21 / 17/ 102
Date of measurements	17.12.2007
Measured by	Yin Hongpeng

3.1. 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

3.2. Bluetooth Test results

3.2.1 GFSK modulation, PRBS packet type

Channel 0 / 2402 MHz

Peak (RBW: 1 MHz, VBW: 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	44.60	169.82	36.30	8.3	HORIZONTAL	PASSED
7206.000000	47.10	226.46	34.40	12.7	HORIZONTAL	PASSED

Average (RBW: 1 MHz, VBW: 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	32.60	42.66	24.30	8.3	VERTICAL	PASSED
7206.000000	34.90	55.59	22.20	12.7	VERTICAL	PASSED

Channel 40 / 2442 MHz

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
34.528657	20.20	10.23	44.70	-24.5	VERTICAL	PASSED
38.176353	18.10	8.04	44.70	-26.6	VERTICAL	PASSED
73.146092	14.00	5.01	51.10	-37.1	HORIZONTAL	PASSED

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4850.699399	45.50	188.36	36.70	8.8	VERTICAL	PASSED
7280.059118	47.90	248.31	35.30	12.6	VERTICAL	PASSED
10921.851703	52.50	421.70	31.20	21.3	HORIZONTAL	PASSED
14478.961924	54.00	501.19	31.10	22.9	HORIZONTAL	PASSED
15497.000000	56.10	638.26	29.90	26.2	VERTICAL	PASSED
15994.483968	58.30	822.24	30.90	27.4	VERTICAL	PASSED
16094.190381	59.40	933.25	31.90	27.5	HORIZONTAL	PASSED
17912.817635	61.60	1,202.26	29.30	32.3	VERTICAL	PASSED
17925.849699	61.40	1,174.90	29.00	32.4	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
4849.199399	33.30	46.24	24.50	8.8	VERTICAL	PASSED
7278.559118	35.20	57.54	22.60	12.6	VERTICAL	PASSED
10925.851703	41.70	121.62	20.30	21.4	HORIZONTAL	PASSED
14479.961924	42.80	138.04	19.90	22.9	HORIZONTAL	PASSED
15502.500000	45.70	192.75	19.50	26.2	VERTICAL	PASSED
15989.483968	47.30	231.74	19.90	27.4	VERTICAL	PASSED
16097.190381	48.20	257.04	20.70	27.5	HORIZONTAL	PASSED
17909.817635	51.40	371.54	19.10	32.3	VERTICAL	PASSED
17923.849699	51.40	371.54	19.00	32.4	VERTICAL	PASSED

Channel 78 / 2480 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	43.70	153.11	38.40	5.3	HORIZONTAL	PASSED
7440.000000	48.30	260.02	36.00	12.3	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
4960.000000	30.80	34.67	25.50	5.3	HORIZONTAL	PASSED
7440.000000	35.40	58.88	23.10	12.3	VERTICAL	PASSED

3.2.2 8DPSK modulation, PRBS packet type

Channel 0 / 2402 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	45.50	188.36	37.20	8.3	VERTICAL	PASSED
7206.000000	47.00	223.87	34.30	12.7	HORIZONTAL	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4804.000000	32.70	43.15	24.40	8.3	VERTICAL	PASSED
7206.000000	34.90	55.59	22.20	12.7	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
38.235872	18.60	8.51	45.20	-26.6	VERTICAL	PASSED
54.488577	14.30	5.19	51.80	-37.5	VERTICAL	PASSED
73.446092	18.90	8.81	55.90	-37.0	HORIZONTAL	PASSED
74.369940	16.50	6.68	53.30	-36.8	HORIZONTAL	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4849.697395	47.40	234.42	38.60	8.8	VERTICAL	PASSED
7281.557114	47.80	245.47	35.20	12.6	VERTICAL	PASSED
13379.755511	53.70	484.17	32.30	21.4	VERTICAL	PASSED
14496.987976	54.30	518.80	31.40	22.9	VERTICAL	PASSED
15497.500000	56.10	638.26	29.90	26.2	HORIZONTAL	PASSED
15985.963928	58.30	822.24	30.90	27.4	VERTICAL	PASSED
16118.232465	59.90	988.55	32.30	27.6	HORIZONTAL	PASSED
17917.843687	61.40	1,174.90	29.00	32.4	HORIZONTAL	PASSED
17918.335671	62.10	1,273.50	29.70	32.4	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
4849.197395	33.50	47.32	24.70	8.8	VERTICAL	PASSED
7276.557114	35.30	58.21	22.70	12.6	VERTICAL	PASSED
13377.255511	42.10	127.35	20.70	21.4	VERTICAL	PASSED
14494.987976	43.20	144.54	20.30	22.9	VERTICAL	PASSED
15502.500000	45.70	192.75	19.50	26.2	HORIZONTAL	PASSED
15984.963928	47.30	231.74	19.90	27.4	VERTICAL	PASSED
16119.732465	48.40	263.03	20.80	27.6	HORIZONTAL	PASSED
17918.835671	51.50	375.84	19.10	32.4	VERTICAL	PASSED
17918.843687	51.50	375.84	19.10	32.4	HORIZONTAL	PASSED

Channel 78 / 2480 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4960.000000	43.80	154.88	38.50	5.3	HORIZONTAL	PASSED
7440.000000	47.60	239.88	35.30	12.3	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
4960.000000	30.90	35.08	25.60	5.3	VERTICAL	PASSED
7440.000000	35.50	59.57	23.20	12.3	VERTICAL	PASSED

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

EUT with DUT number	RM-426 DUT 50763
Accessories with DUT numbers	BP-6MT DUT 50764; AC-5E DUT 50765; HS-47 DUT 50766
Operation Voltage [V] / [Hz]	220 / 50
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	21 / 17/ 102 – 19 / 18 / 101
Date of measurements	17-19.12.2007
Measured by	Yin Hongpeng

4.1. Test method and limit

The measurement is made according to DTS procedures KDB 558074 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. WLAN Test results

4.2.1 DSSS mode, QPSK modulation, 11 Mbps data rate

Channel 1 / 2412 MHz

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	49.20	288.40	40.50	8.7	HORIZONTAL	PASSED
7236.000000	47.60	239.88	34.90	12.7	VERTICAL	PASSED

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	39.20	91.20	30.50	8.7	HORIZONTAL	PASSED
7236.000000	34.50	53.09	21.80	12.7	HORIZONTAL	PASSED

Channel 7 / 2442 MHz

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
38.235872	20.50	10.59	47.10	-26.6	VERTICAL	PASSED
73.286573	16.40	6.61	53.50	-37.1	HORIZONTAL	PASSED

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
4884.269539	48.50	266.07	41.00	7.5	HORIZONTAL	PASSED
7279.053106	48.00	251.19	35.40	12.6	HORIZONTAL	PASSED
14491.475952	55.10	568.85	32.20	22.9	HORIZONTAL	PASSED
14500.000000	54.90	555.90	32.00	22.9	HORIZONTAL	PASSED
15476.459920	57.20	724.44	31.40	25.8	VERTICAL	PASSED
15986.467936	58.60	851.14	31.20	27.4	VERTICAL	PASSED
16194.386774	60.50	1,059.25	31.80	28.7	VERTICAL	PASSED
17872.245491	61.60	1,202.26	29.90	31.7	VERTICAL	PASSED

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

Frequency [MHz]	E [dB $\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [dB μV]	A _{TOT} [dB]	Polarisation	Result
-----------------	-------------------------	-----------------------	-------------------------------------	-----------------------	--------------	--------

4883.769539	35.50	59.57	28.00	7.5	HORIZONTAL	PASSED
7280.553106	34.70	54.33	22.10	12.6	HORIZONTAL	PASSED
14490.475952	41.70	121.62	18.80	22.9	HORIZONTAL	PASSED
14497.000000	41.80	123.03	18.90	22.9	HORIZONTAL	PASSED
15478.459920	43.20	144.54	17.30	25.9	VERTICAL	PASSED
15986.967936	45.60	190.55	18.20	27.4	VERTICAL	PASSED
16194.886774	47.50	237.14	18.80	28.7	VERTICAL	PASSED
17870.245491	48.80	275.42	17.10	31.7	VERTICAL	PASSED

Channel 11 / 2462 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4924.000000	46.90	221.31	40.50	6.4	HORIZONTAL	PASSED
7386.000000	47.30	231.74	35.20	12.1	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
4924.000000	35.40	58.88	29.00	6.4	HORIZONTAL	PASSED
7386.000000	34.90	55.59	22.80	12.1	VERTICAL	PASSED

4.2.2 OFDM mode, BPSK modulation, 6 Mbps data rate

Channel 1 / 2412 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	46.30	206.54	37.60	8.7	HORIZONTAL	PASSED
7236.000000	47.30	231.74	34.60	12.7	HORIZONTAL	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4824.000000	35.40	58.88	26.70	8.7	HORIZONTAL	PASSED
7236.000000	34.30	51.88	21.60	12.7	VERTICAL	PASSED

Channel 7 / 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
38.176353	20.90	11.09	47.50	-26.6	VERTICAL	PASSED
73.086573	17.10	7.16	54.20	-37.1	HORIZONTAL	PASSED
277.957315	23.00	14.13	55.60	-32.6	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
4851.699399	45.80	194.98	37.10	8.7	VERTICAL	PASSED

7282.561122	47.60	239.88	35.10	12.5	VERTICAL	PASSED
10960.419840	53.10	451.86	31.90	21.2	VERTICAL	PASSED
14493.995992	54.70	543.25	31.80	22.9	VERTICAL	PASSED
15475.443888	55.60	602.56	29.80	25.8	HORIZONTAL	PASSED
15685.376754	58.50	841.40	31.90	26.6	VERTICAL	PASSED
16084.674349	59.90	988.55	32.40	27.5	VERTICAL	PASSED
17909.815631	62.50	1,333.52	30.20	32.3	HORIZONTAL	PASSED

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4852.199399	32.80	43.65	24.10	8.7	VERTICAL	PASSED
7281.561122	34.80	54.95	22.20	12.6	VERTICAL	PASSED
10959.419840	40.10	101.16	18.80	21.3	VERTICAL	PASSED
14495.495992	41.80	123.03	18.90	22.9	VERTICAL	PASSED
15473.443888	43.20	144.54	17.40	25.8	HORIZONTAL	PASSED
15692.376754	44.70	171.79	18.10	26.6	VERTICAL	PASSED
16089.674349	47.00	223.87	19.50	27.5	VERTICAL	PASSED
17908.815631	49.00	281.84	16.70	32.3	HORIZONTAL	PASSED

Channel 11 / 2462 MHz

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

Frequency [MHz]	E [dBμV/m]	E [μV/m]	U _{RX} [dBμV]	A _{TOT} [dB]	Polarisation	Result
4924.000000	44.20	162.18	37.80	6.4	HORIZONTAL	PASSED
7386.000000	50.30	327.34	38.20	12.1	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
4924.000000	32.40	41.69	26.00	6.4	HORIZONTAL	PASSED
7386.000000	34.90	55.59	22.80	12.1	VERTICAL	PASSED

5. Test Equipment

5.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
BJPCPT0039	LISN	ESH3-Z5	BJPCPT0039	15C, 15B
BJPCPT0040	TEST RECEIVER	ESCS30	BJPCPT0040	15C, 15B
BJPCPT0069	LISN	ESH3-Z5	BJPCPT0069	15C, 15B
BJPCPT0079	LISN	ESH3-Z5	BJPCPT0079	15C, 15B
BJPCPT0191	PULSE LIMITER	ESH3-Z2	BJPCPT0191	15C, 15B

5.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
BJPCPT0129	Relay Unit	TS-RSP	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCPT0130	Relay Unit	TS-RSP	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCPT0080	Device Controller	EMCO2090	ETS-EMCO	22/24/27, 15C, 15B
BJPCTC0048	RF Preamplifier 10MHz-3GHz (Metal chassis)	AFS4-00100300-10-10P-4	MITEQ	22/24/27, 15C, 15B
BJPCTC0007	Ultra Broadband Antenna 30MHz-3000MHz	HL562	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCPT0162	Horn Antenna 1GHz-18GHz	HF906	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCTC0029	Horn Antenna 1GHz-18GHz	HF906	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCTC0049	RF preamplifier 3GHz-18GHz	BLMA-0118-1A-BT	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCTC0046	Shielding Enclosure	3M Test Site	ETS-Lindgren	22/24/27, 15C, 15B
BJPCTC0047	Turntable	Model 2088-1.23	ETS-EMCO	22/24/27, 15C, 15B
BJPCPT0072	EMI Test Receiver 20Hz- 26.5GHz	ESIB26	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCPT0150	High Pass filter	WHKS 1200-10SS	Wainwright instruments	22/24/27, 15C, 15B
BJPCTC0034	Notch Filter	WRCT800/880-0.2/40- 5SSK	Wainwright instruments	22, 15B
BJPCPT0151	Notch Filter	WRCD1800/2000-0.2/40- 5SSK	Wainwright instruments	24, 15B
BJPCTC0017	Radio Communication Tester	CMU200	Rohde&Schwarz	22/24/27, 15C, 15B
BJPCPT0154	Filter	WRCT2402/2480- 2400/2483.5-30-20SS	Wainwright instruments	15C, 15B
BJPCTC0058	Bluetooth tester	CBT	Rohde&Schwarz	15C, 15B
BJPCTC0064	WCDMA II FILTER	WRCG1877/1883- 1870/1890-40/6SS	Wainwright instruments	24, 15B
BJPCTC0065	WCDMA V FILTER	WRCG832/838-825/845- 40/5SS	Wainwright instruments	22, 15B