

FCC Part 15C Compliance Test Report

Test Report no.:	FCC15C_RM-717_12.doc	Date of Report:	21-Sep-2010
Number of pages:	22	Customer's Contact person:	Qiu Rain
Testing laboratory:	TCC Nokia Beijing Laboratory Beijing Economic and Technological Development Area No.5 Donghuan Zhonglu Beijing PRC China 100176 Tel. +86 10 8711 8888 Fax. +86 10 8711 4550	Customer:	Nokia Corporation Beijing Economic and Technological Development Area No.5 Donghuan Zhonglu Beijing PRC China 100176 Tel. +86 10 8711 8888 Fax. +86 10 8711 4550
FCC listing no.:	975940		
IC recognition no.:	661AH-1		
Tested devices/ accessories:	Phone RM-717 / Battery BL-5C / AC-charger AC-3E / Headset WH-102		
FCC ID:	QTLRM-717	IC:	661AB-RM717
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:			

Jia Dongsheng, System Manager

1. Summary for FCC Part 15C Compliance Test Report

Date of receipt	15-Sep-2010
Testing completed	19-Sep-2010
The customer's contact person	Qiu Rain
Test Plan referred to	T:\Projects\RM-717\TestPlan\RS_testplan_RM-717_CR_HW0205.xls
Notes	-
Document name	FCC15C_RM-717_12.doc

1.1. EUT and Accessory Information

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

Product	Type	SN	HW	MV	SW	DUT
Phone	RM-717	004402131696340	0205	-	tw92_10w31SSC	51850
Phone	RM-717	004402131696308	0205	-	tw92_10w31SSC	51852
Battery	BL-5C	0670400382066R12405GL62087	-	-	-	51813
AC-charger	AC-3E	4419298432052200110;0675370	-	-	-	51810
Headset	WH-102	06943249041E2607489	-	-	-	51812

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	PASSED
15.247(d)	A8.5	Band edge compliance of RF emissions	PASSED
15.247(d)	A8.5	Spurious RF conducted emissions	PASSED
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 (a)	20 dB bandwidth	NP
15.247(a)(1)	A8.1 (b)	Carrier frequency separation	NP
15.247(a)(1)(iii)	A8.1 (d)	Number of hopping frequencies	NP
15.247(a)(1)(iii)	A8.1 (d)	Time of occupancy	NP

PASSED

The EUT complies with the essential requirements in the standard.

FAILED

The EUT does not comply with the essential requirements in the standard.

NP

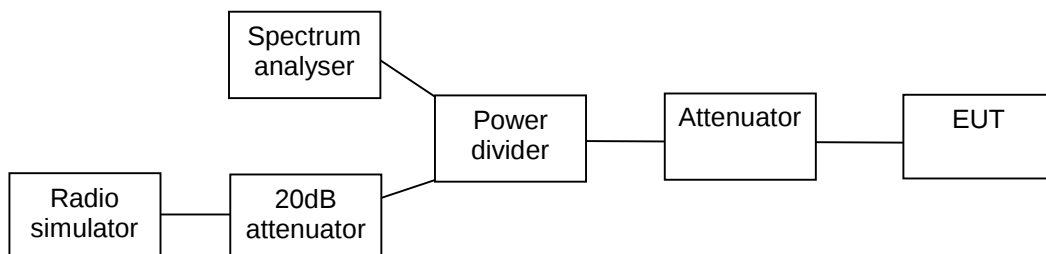
The test was not performed by the TCC Nokia Beijing Laboratory.

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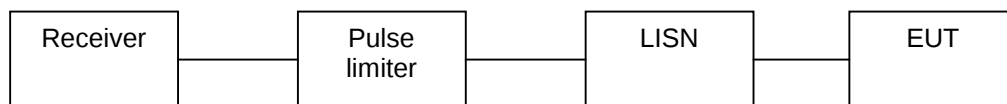
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2. Test setups

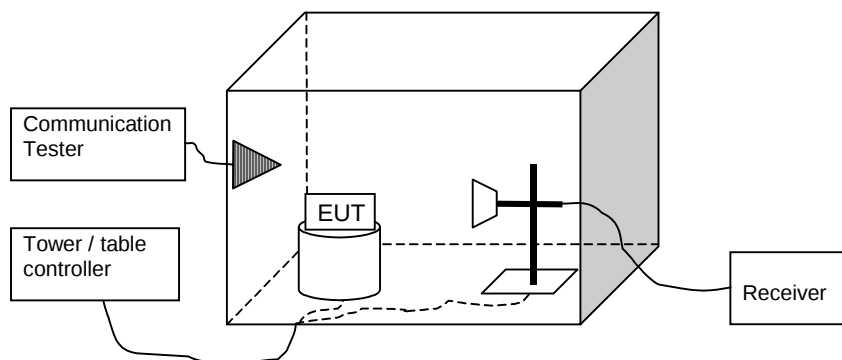
2.1. Conducted RF test setup



2.2. AC powerline conducted emissions test setup



2.3. Radiated test setup



3. Conducted peak output power (FCC §15.247(b)(1), RSS-210 A8.4 (2))

EUT with DUT number	RM-717, DUT51852
Accessories with DUT numbers	BL-5C, DUT51813; AC-3E, DUT51810 ; WH-102, DUT51812
Operation Voltage [V] / [Hz]	Nominal
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	23 / 61 / 100.8
Date of measurements	16-Sep-2010
Measured by	Jia Dongsheng

3.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for conducted peak output power measurements

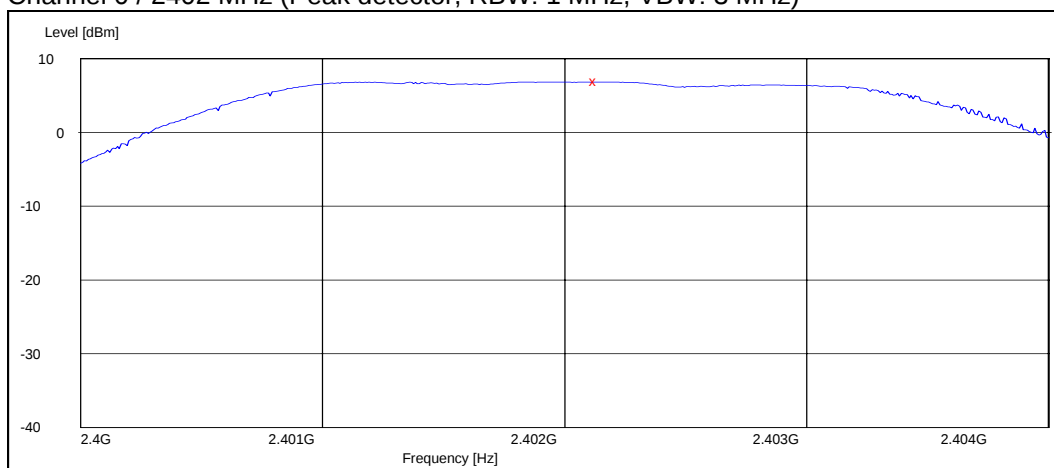
Frequency range [MHz]	Limit [W]	Limit [dBm]
2400 – 2483.5	≤ 1	≤ 30

3.2. Bluetooth Test results

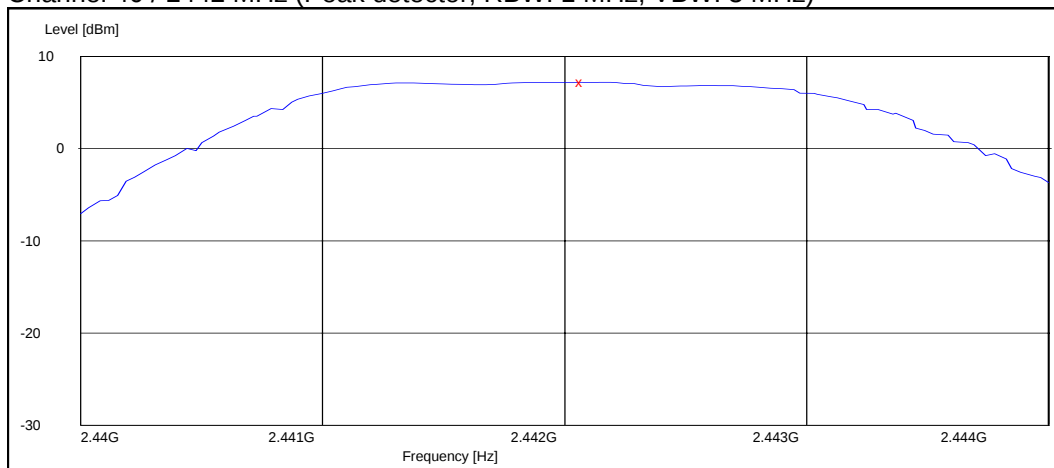
3.2.1 GFSK modulation, PRBS packet type

Channel / f_c [MHz]	P [dBm]	P [mW]	Result
0 / 2402	6.90	4.898	PASSED
40 / 2442	7.20	5.248	PASSED
78 / 2480	7.10	5.129	PASSED

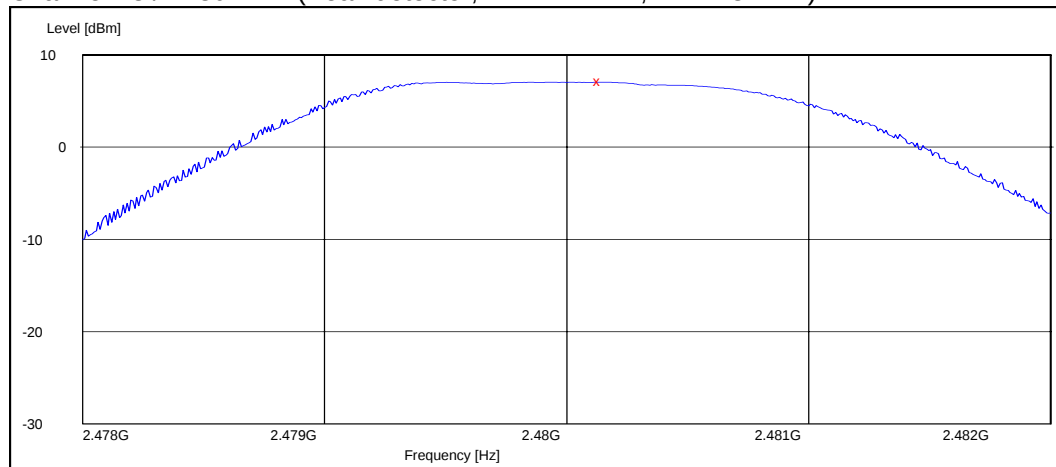
Channel 0 / 2402 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



Channel 40 / 2442 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



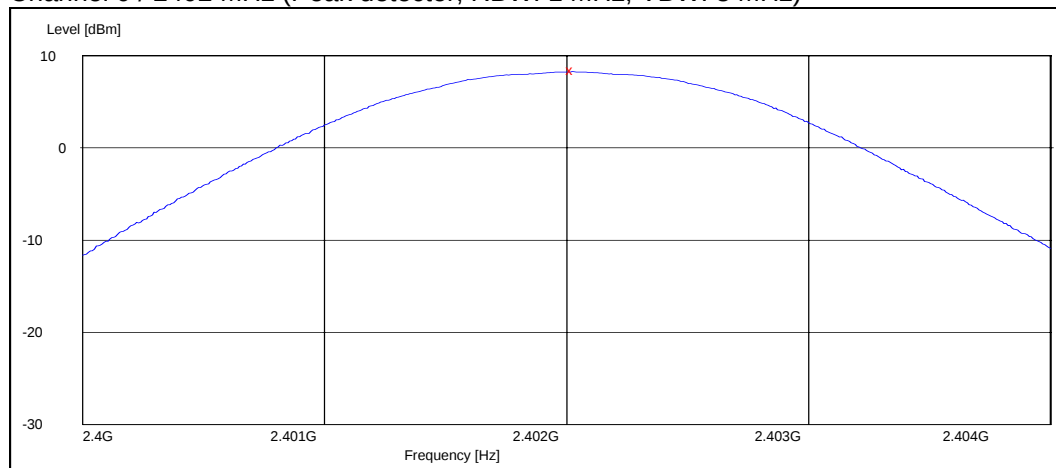
Channel 78 / 2480 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



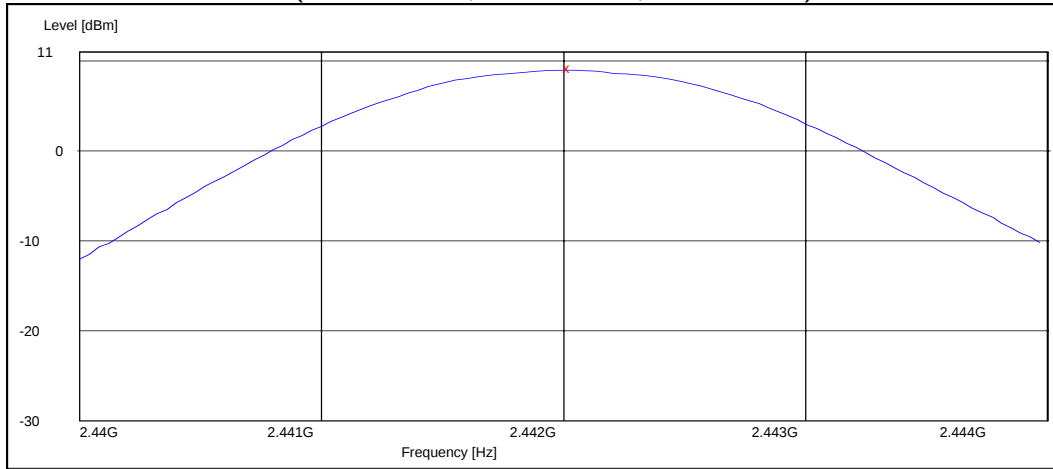
3.2.2 8DPSK modulation, PRBS packet type

Channel / f_c [MHz]	P [dBm]	P [mW]	Result
0 / 2402	8.50	7.079	PASSED
40 / 2442	9.20	8.318	PASSED
78 / 2480	9.50	8.913	PASSED

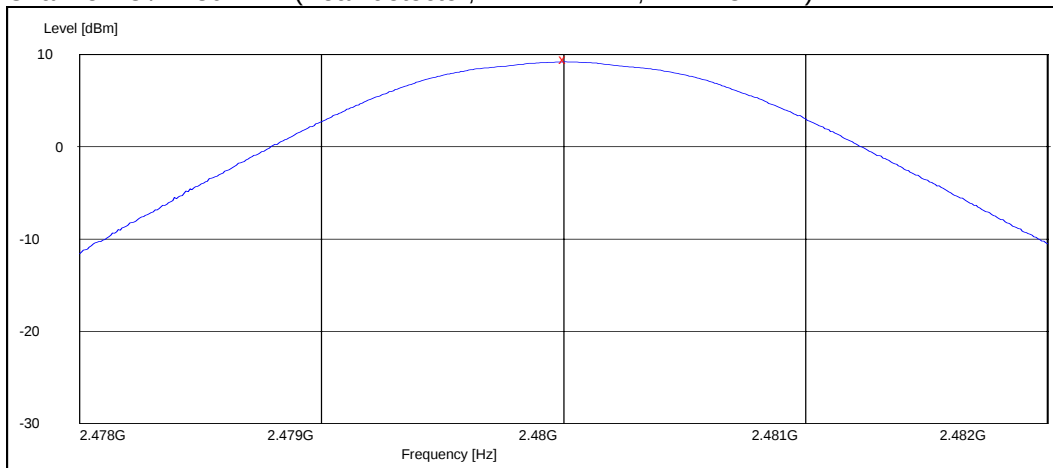
Channel 0 / 2402 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



Channel 40 / 2442 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



Channel 78 / 2480 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



4. Band edge compliance of RF emissions (FCC §15.247(d), RSS-210 A8.5)

EUT with DUT number	RM-717, DUT 51850
Accessories with DUT numbers	BL-5C, DUT 51813 ; AC-3E, DUT 51810 ; WH-102, DUT 51812
Operation Voltage [V] / [Hz]	Nominal
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	21 / 60 / 100.8
Date of measurements	20-Sep-2010
Measured by	Zou Ming

4.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for band edge compliance of RF emissions measurements (3 m measurement distance)

Frequency range [MHz]	Limit Average [dBμV/m]	Limit Peak [dBμV/m]
Below 2390 and above 2483.5	≤ 54	≤ 74

4.2. Bluetooth Test results

4.2.1 GFSK modulation, PRBS packet type

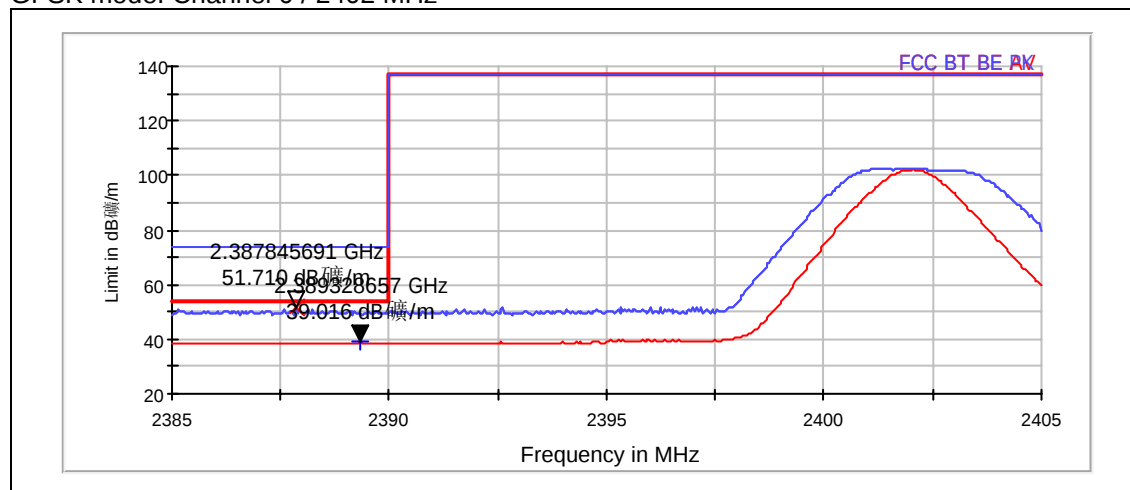
Average (RBW: 1 MHz, VBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	E [μ V/m]	U_{RX} [dB μ V]	A_{TOT} [dB]	Result
0 / 2402	39.02	89.291	37.17	1.85	PASSED
78 / 2480	49.31	291.983	46.8	2.51	PASSED
Hopping on, low end	40.4	104.671	38.55	1.85	PASSED
Hopping on, high end	50.13	321.181	47.62	2.51	PASSED

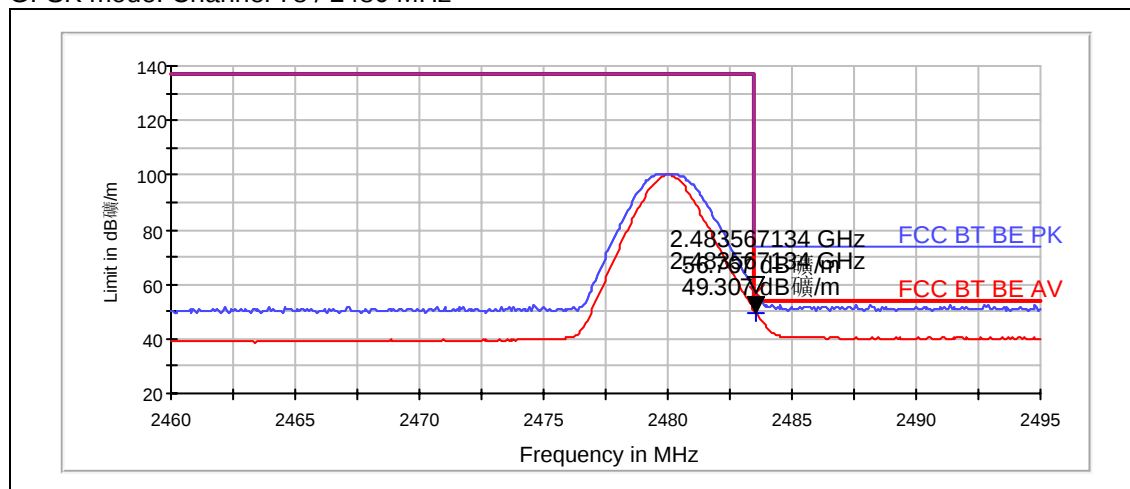
Peak (RBW: 1 MHz, VBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	E [μ V/m]	U_{RX} [dB μ V]	A_{TOT} [dB]	Result
0 / 2402	51.71	385.055	49.86	1.85	PASSED
78 / 2480	56.77	689.208	54.26	2.51	PASSED
Hopping on, low end	55.84	619.465	53.99	1.85	PASSED
Hopping on, high end	56.02	632.151	53.51	2.51	PASSED

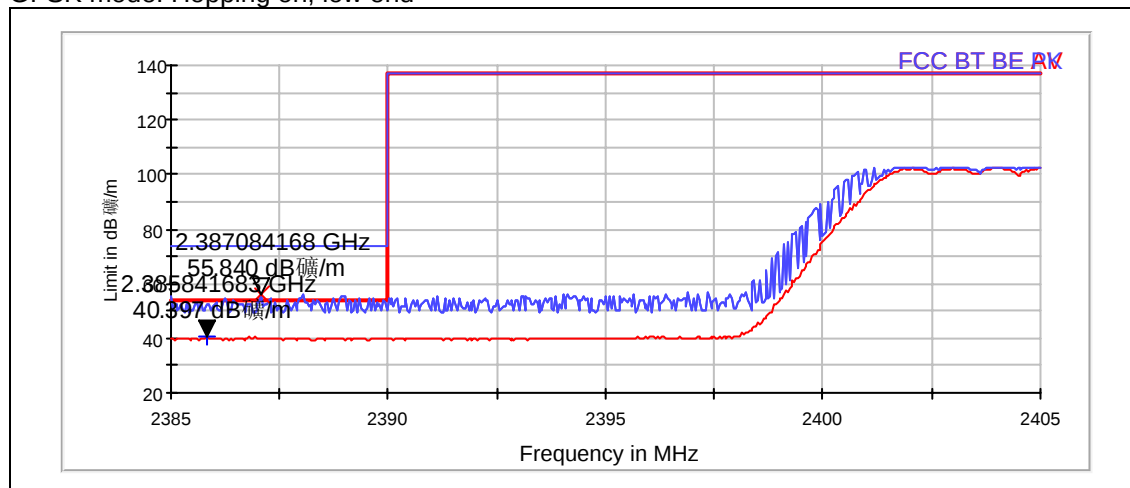
GFSK mode. Channel 0 / 2402 MHz



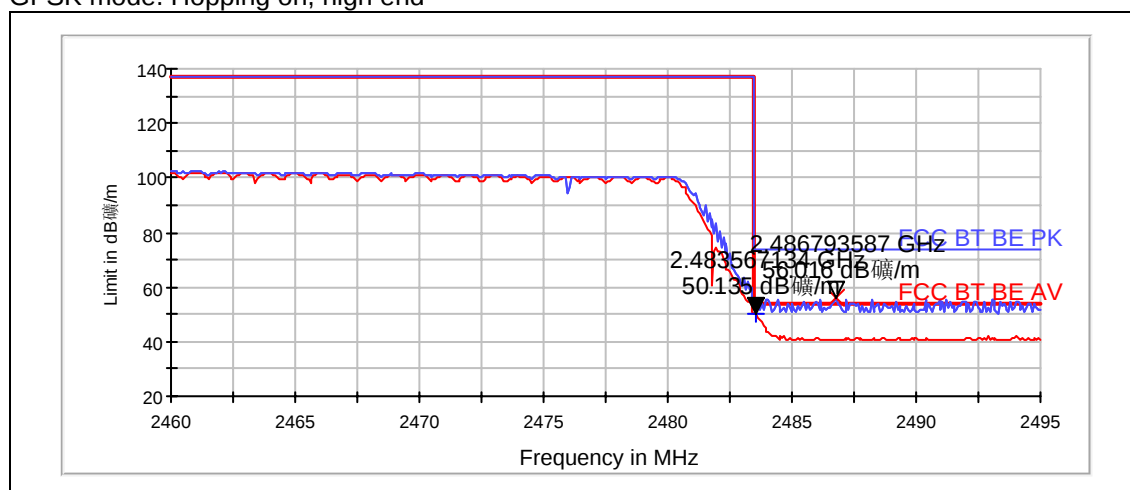
GFSK mode. Channel 78 / 2480 MHz



GFSK mode. Hopping on, low end



GFSK mode. Hopping on, high end



4.2.2 8DPSK modulation, PRBS packet type

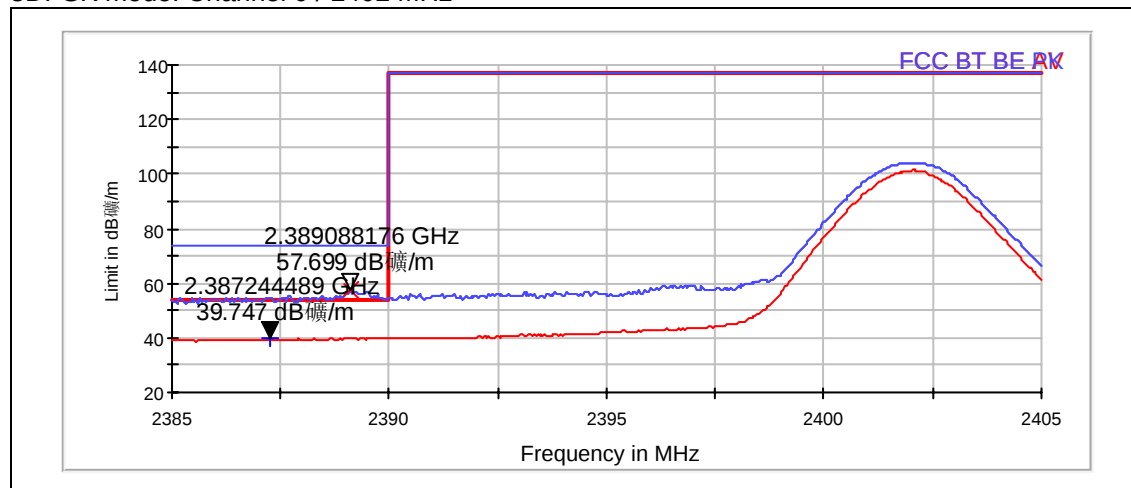
Average (RBW: 1 MHz, VBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	E [μ V/m]	U_{RX} [dB μ V]	A_{TOT} [dB]	Result
0 / 2402	39.75	97.132	37.9	1.85	PASSED
78 / 2480	51.91	394.176	49.4	2.51	PASSED
Hopping on, low end	43.73	153.563	41.88	1.85	PASSED
Hopping on, high end	52.38	416.075	49.87	2.51	PASSED

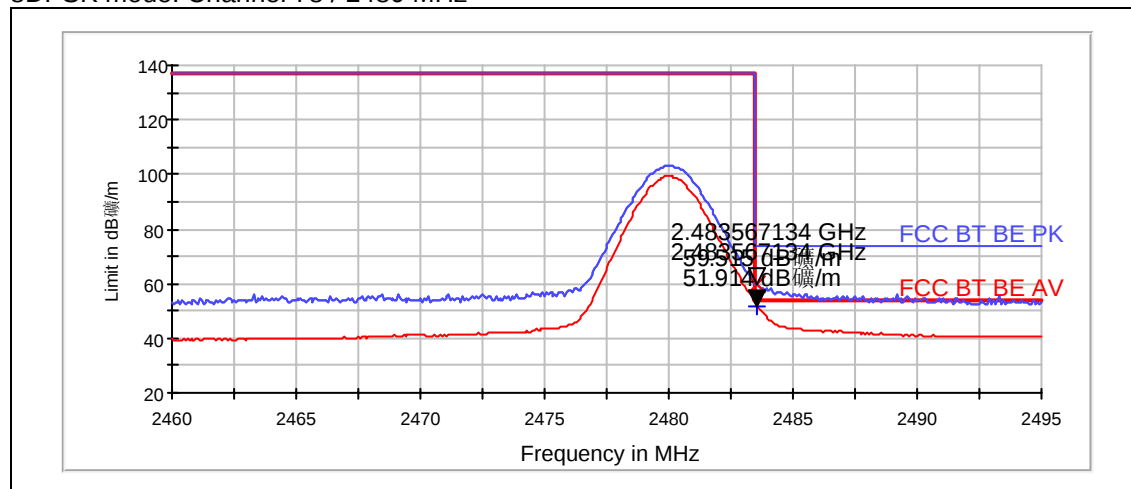
Peak (RBW: 1 MHz, VBW: 1 MHz)

Channel / f_c [MHz]	E [dB μ V/m]	E [μ V/m]	U_{RX} [dB μ V]	A_{TOT} [dB]	Result
0 / 2402	57.7	767.234	55.85	1.85	PASSED
78 / 2480	59.51	945.649	57	2.51	PASSED
Hopping on, low end	57.4	741.19	55.55	1.85	PASSED
Hopping on, high end	58.36	827.694	55.85	2.51	PASSED

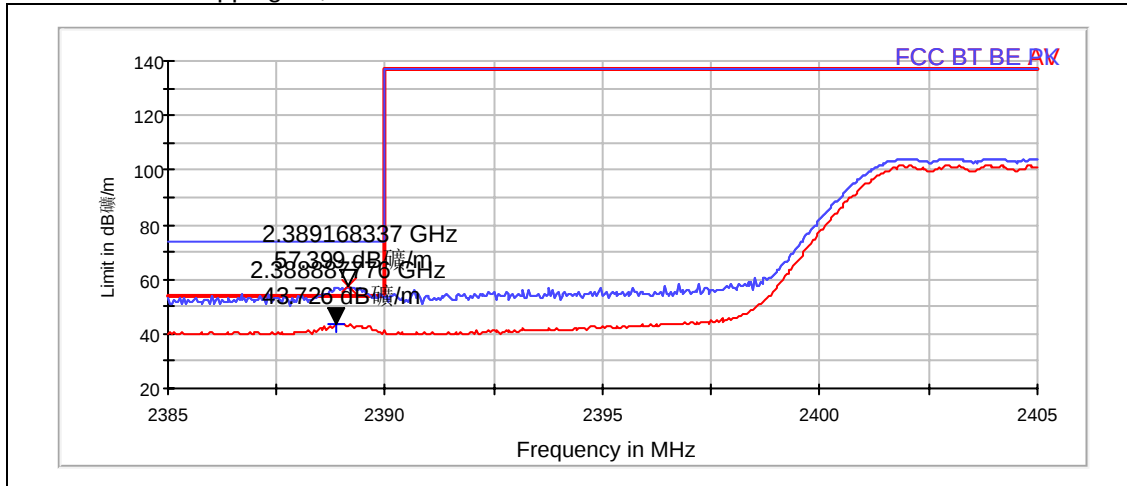
8DPSK mode. Channel 0 / 2402 MHz



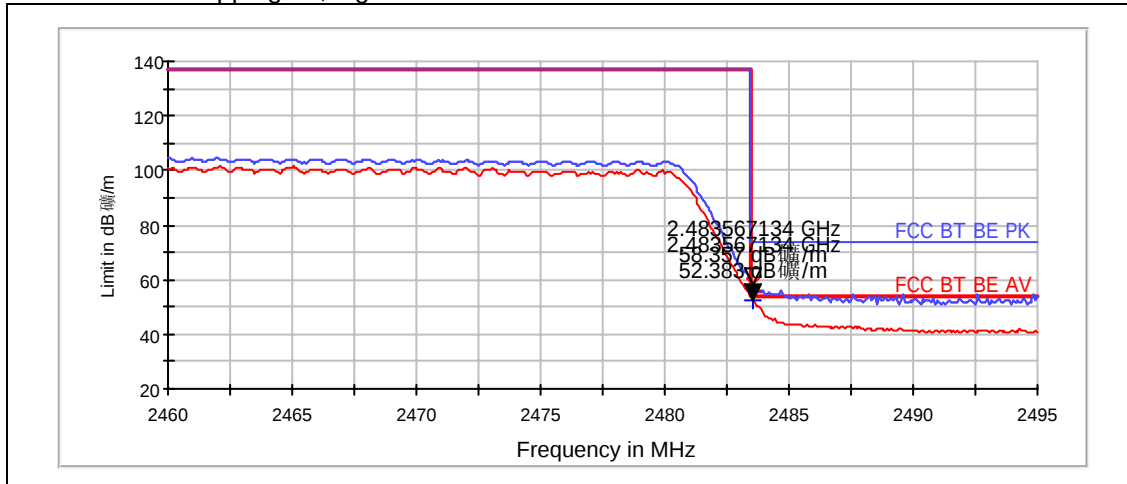
8DPSK mode. Channel 78 / 2480 MHz



8DPSK mode. Hopping on, low end



8DPSK mode. Hopping on, high end



5. Spurious RF conducted emissions (FCC §15.247(d), RSS-A8.5)

EUT with DUT number	RM-717, DUT51852
Accessories with DUT numbers	BL-5C, DUT51813; AC-3E, DUT51810 ; WH-102, DUT51812
Operation Voltage [V] / [Hz]	Nominal
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	23 / 61 / 100.8
Date of measurements	16-Sep-2010
Measured by	Jia Dongsheng

5.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

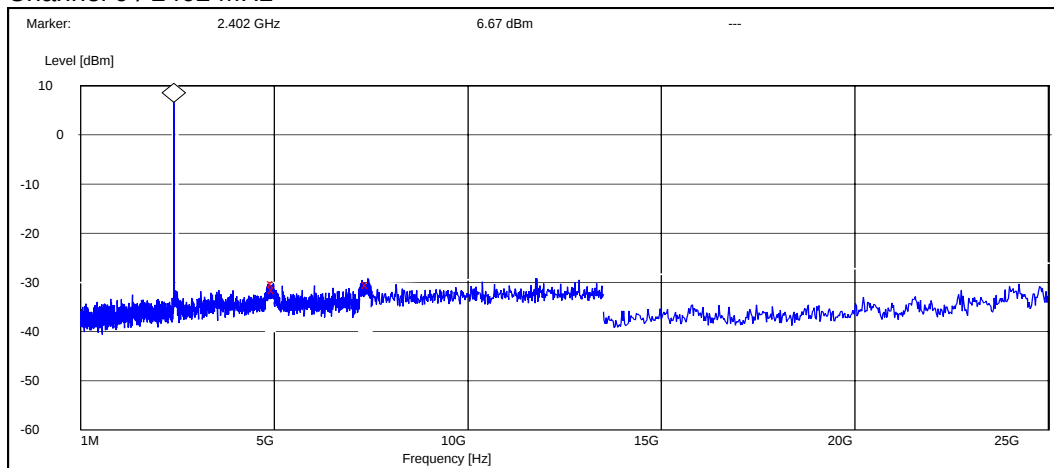
Limits for spurious RF conducted emissions measurements

Frequency range [MHz]	Limit [dBc]
1 – 25000	≤ -20

5.2. Bluetooth Test results

5.2.1 GFSK modulation, PRBS packet type

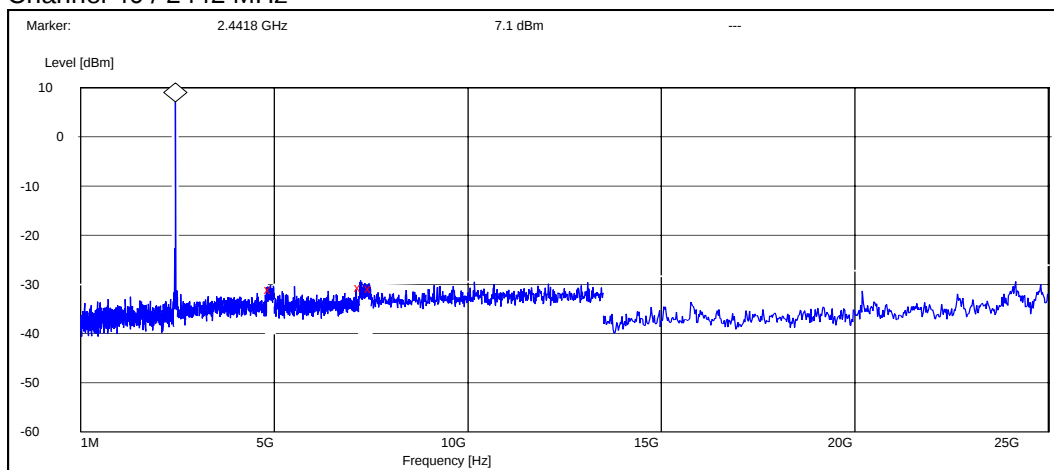
Channel 0 / 2402 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4970.800000	-36.869180	PASSED
5000.000000	-38.169180	PASSED
7417.200000	-36.969180	PASSED

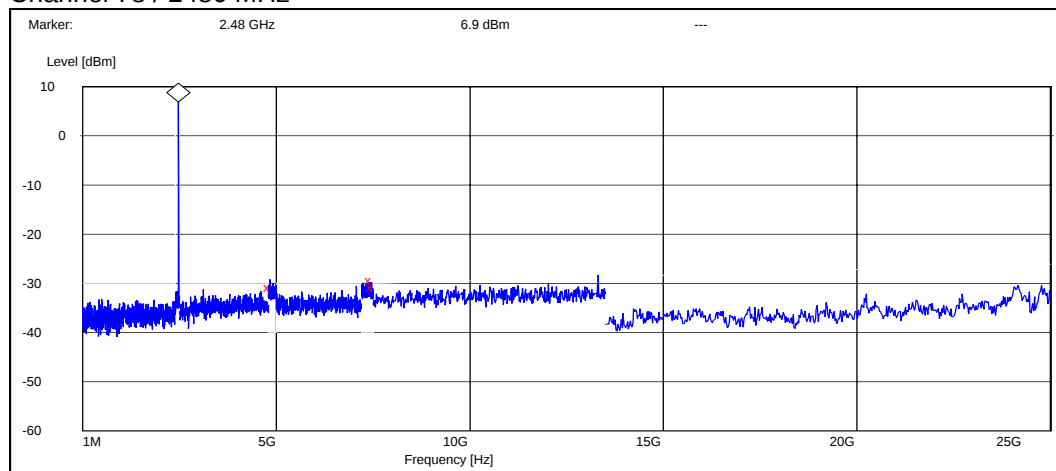
Channel 40 / 2442 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4910.400000	-38.100114	PASSED
7228.800000	-37.700114	PASSED
7500.000000	-37.800114	PASSED

Channel 78 / 2480 MHz

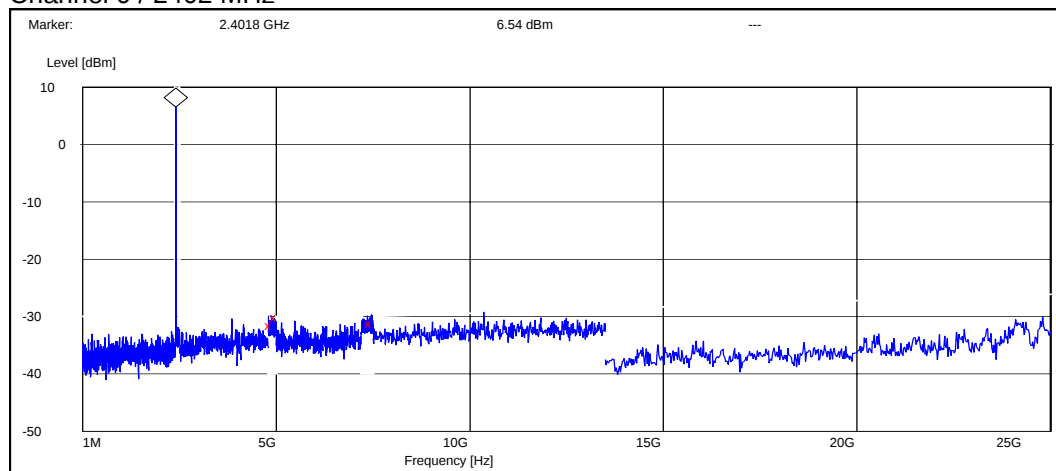


Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4837.600000	-37.704364	PASSED
7458.000000	-36.304364	PASSED
7500.000000	-37.804364	PASSED

5.2.2 8DPSK modulation, PRBS packet type

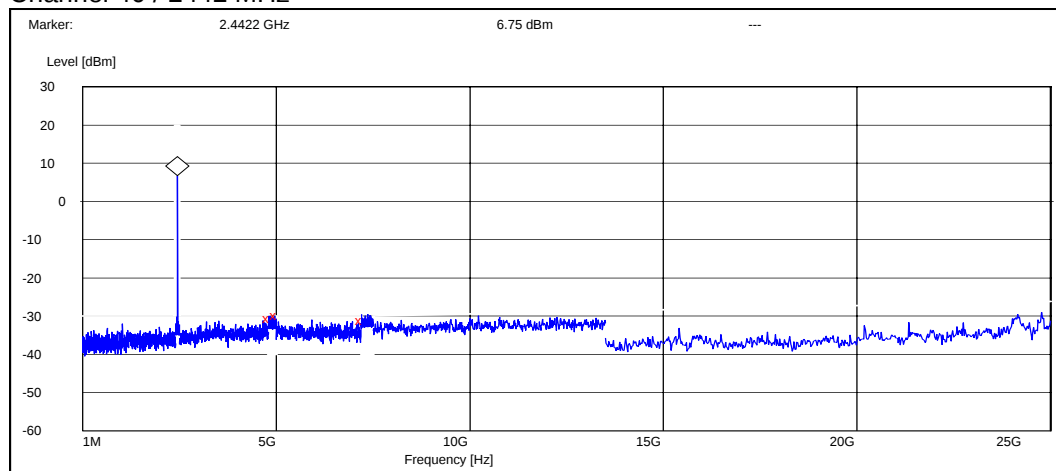
Channel 0 / 2402 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4881.200000	-38.044893	PASSED
5000.000000	-36.744893	PASSED
7464.600000	-37.744893	PASSED

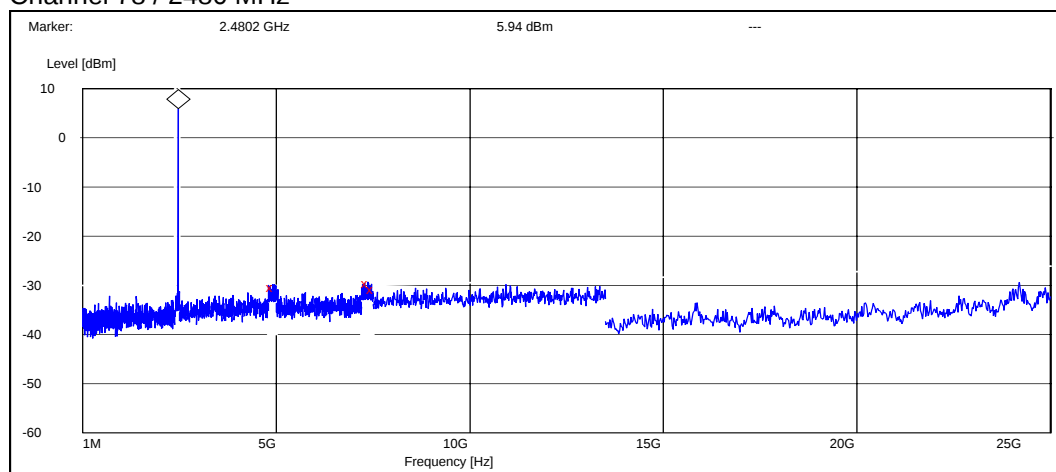
Channel 40 / 2442 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4817.200000	-37.249619	PASSED
5000.000000	-36.549619	PASSED
7205.400000	-37.949619	PASSED

Channel 78 / 2480 MHz



Peak (RBW: 100 kHz, VBW: 100 kHz)

Frequency [MHz]	P [dBc]	Result
4913.200000	-36.338128	PASSED
7373.400000	-35.438128	PASSED
7500.000000	-36.738128	PASSED

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

EUT with DUT number	RM-717, DUT 51850
Accessories with DUT numbers	BL-5C, DUT 51813 ; AC-3E, DUT 51810 ; WH-102, DUT 51812
Operation Voltage [V] / [Hz]	Nominal
Result	PASSED
Remarks	-
Temp [°C] / Humidity [%RH] / Air Pressure [kPa]	21 / 61 / 100.8
Date of measurements	19-Sep-2010
Measured by	Zou Ming

6.1. 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 [$\text{dB}\mu\text{V/m}$]	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

6.2. Bluetooth Test results

6.2.1 GFSK modulation, PRBS packet type

Channel 0 / 2402 MHz

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

Frequency [MHz]	E [$\text{dB}\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [$\text{dB}\mu\text{V}$]	A _{TOT} [dB]	Polarisation	Result
4803.7	55.41	589.386	55.66	-0.25	VERTICAL	PASSED
7205.8	46.33	207.3	41.31	5.02	HORIZONTAL	PASSED

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

Frequency [MHz]	E [$\text{dB}\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [$\text{dB}\mu\text{V}$]	A _{TOT} [dB]	Polarisation	Result
4803.7	41.82	123.353	42.07	-0.25	VERTICAL	PASSED
7205.8	33.37	46.612	28.35	5.02	HORIZONTAL	PASSED

Channel 78 / 2480 MHz

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

Frequency [MHz]	E [$\text{dB}\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [$\text{dB}\mu\text{V}$]	A _{TOT} [dB]	Polarisation	Result
4959.9	47.99	250.842	47.93	0.06	VERTICAL	PASSED
7439.5	50.19	323.147	45.11	5.08	VERTICAL	PASSED

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

Frequency [MHz]	E [$\text{dB}\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [$\text{dB}\mu\text{V}$]	A _{TOT} [dB]	Polarisation	Result
4959.9	35.45	59.204	35.39	0.06	VERTICAL	PASSED
7439.5	35.9	62.373	30.82	5.08	VERTICAL	PASSED

Channel 40 / 2442 MHz

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

Frequency [MHz]	E [$\text{dB}\mu\text{V/m}$]	E [$\mu\text{V/m}$]	U _{RX} [$\text{dB}\mu\text{V}$]	A _{TOT} [dB]	Polarisation	Result
44.109	29.91	31.282	42.24	-12.33	VERTICAL	PASSED
44.488	29.95	31.449	42.51	-12.56	VERTICAL	PASSED
70.832	29.76	30.747	48.95	-19.19	HORIZONTAL	PASSED
71.002	29.59	30.175	48.77	-19.18	HORIZONTAL	PASSED
71.121	29.69	30.525	48.86	-19.17	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
2801.802	50.66	341.271	42.77	7.89	VERTICAL	PASSED
2815.734	50.86	349.221	42.09	8.77	VERTICAL	PASSED
3924.452	41.49	118.741	42.9	-1.41	HORIZONTAL	PASSED
4884.268	52.29	411.766	52.25	0.04	VERTICAL	PASSED
17985.772	58.65	855.953	39.62	19.03	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
2801.802	37.78	77.437	29.89	7.89	VERTICAL	PASSED
2815.734	38.3	82.205	29.53	8.77	VERTICAL	PASSED
3924.452	28.35	26.14	29.76	-1.41	HORIZONTAL	PASSED
4884.268	38.35	82.699	38.31	0.04	VERTICAL	PASSED
17985.772	45.72	193.086	26.69	19.03	HORIZONTAL	PASSED

6.2.2 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	48.96	280.543	49.21	-0.25	VERTICAL	PASSED
7205.9	48.33	260.946	43.31	5.02	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
4804	35.73	61.129	35.98	-0.25	VERTICAL	PASSED
7205.9	34.82	55.062	29.8	5.02	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
4960.5	49.81	309.314	49.74	0.07	VERTICAL	PASSED
7439.2	50.05	318.053	44.97	5.08	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
4960.5	35.64	60.506	35.57	0.07	VERTICAL	PASSED
7439.2	35.86	62.065	30.78	5.08	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
33.186	22.9	13.956	27.49	-4.59	VERTICAL	PASSED
44.019	27.14	22.756	39.41	-12.27	VERTICAL	PASSED
44.028	27.43	23.513	39.71	-12.28	VERTICAL	PASSED
44.038	27.57	23.9	39.85	-12.28	VERTICAL	PASSED
70.982	22.53	13.383	41.71	-19.18	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
2373.437	54.86	553.159	50.92	3.94	VERTICAL	PASSED
2887.173	51.2	363.078	42.09	9.11	VERTICAL	PASSED
3918.64	41.63	120.642	43.04	-1.41	HORIZONTAL	PASSED
3937.374	40.95	111.596	42.5	-1.55	HORIZONTAL	PASSED
17849.199	58.55	845.766	40.66	17.89	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
2373.437	33.43	46.935	29.49	3.94	VERTICAL	PASSED
2887.173	38.28	82.035	29.17	9.11	VERTICAL	PASSED
3918.64	28.36	26.179	29.77	-1.41	HORIZONTAL	PASSED
3937.374	28.2	25.695	29.75	-1.55	HORIZONTAL	PASSED
17849.199	45.14	180.697	27.25	17.89	HORIZONTAL	PASSED

7. Test Equipment

7.1. Conducted measurements

Eq. No	Equipment	Type	Manufacturer	Used in
-	RF Emission Software	ES-K1 v.1.71	R&S	22/24/27, 15C, 15B
BJPC00020	DC Power supply	Hp6632B	HP	22/24/27, 15C
BJPCPT0040	Receiver	ESCS30	R&S	15C,15B
BJPCPT0069	LISN 50 µH	ESH3-Z5	R&S	15C,15B
BJPCPT0073	Signal Generator	SMR 20	R&S	22/24/27, 15C, 15B
BJPCPT0079	LISN 50 µH	ESH3-Z5	R&S	15C,15B
BJPCPT0131	Communication Tester	CMU200	R&S	15C,15B
BJPCPT0191	Pulse Limiter	ESH3-Z2	R&S	15C,15B
BJPCTC0017	Communication Tester	CMU200	R&S	22/24/27, 15C, 15B
BJPCTC0067	Bluetooth Tester	CBT	R&S	22/24/27, 15C
BJPCTC0089	Temperature Test chamber	VT4002	Votsch industrietechnik	22/24/27, 15C
BJPCTC0090	FSP spectrum analyzer	FSP30	R&S	22/24/27, 15C
BJPCTC0094	GPB-RS232 convertor	GPB-RS232	NI	22/24/27, 15C

7.2. Radiated measurements

Eq. No	Equipment	Type	Manufacturer	Used in
-	BT / WLAN Antenna	SPA 2400/75/9/0/V	Huber-Suhner	15C, 15B
-	BT / WLAN Antenna	SPA 2400/75/9/0/V	Huber-Suhner	15C, 15B
-	RF Emission Software	ES-K1 v.1.71	R&S	22/24/27, 15C, 15B
BJPCPT0072	Receiver	ESI B26	R&S	22/24/27, 15C, 15B
BJPCPT0130	Relay Switch Unit	TS-RSP	R&S	22/24/27, 15C, 15B
BJPCPT0150	High Pass Filter	WHKS1200-10SS	Wainwright	22/24/27, 15C, 15B
BJPCPT0151	Band Reject Filter	WRCD1880/2000-0.2/40-5SSK	Wainwright	24, 15B
BJPCPT0154	Band Reject Filter	WRCT2402/2480-2400/2483.5-30-20SS	Wainwright	15C, 15B
BJPCPT0162	Antenna	HF906	R&S	22/24/27, 15C, 15B
BJPCTC0007	Antenna	HL562	R&S	22/24/27, 15C, 15B
BJPCTC0029	Antenna	HF906	R&S	22/24/27, 15C, 15B
BJPCTC0034	Band Reject Filter	WRCT 800/880-0.2/40-5SSK	Wainwright	22, 15B
BJPCTC0049	Preamplifier	Blma 0118-1A-Bt	Bonn	22/24/27, 15C, 15B
BJPCTC0055	Communication Tester	CMU200	R&S	22/24/27,15C,15B
BJPCTC0058	Bluetooth Tester	CBT	R&S	15C, 15B
BJPCTC0064	Band Reject Filter	WRCG1877/1883-1870/1890-40/6SS	Wainwright	24, 15B
BJPCTC0065	Band Reject Filter	WRCG832/838-825/845-40/5SS	Wainwright	27, 15B
BJPCTC0071	Multi-Device Controller	2090	EMCO	22/24/27, 15C, 15B
BJPCTC0072	Anechoic Chamber	3 m Semi / Full Anechoic Chamber	ETS	22/24/27, 15C, 15B
BJPCTC0073	MAST	Model-TR/POL	ETS	22/24/27, 15C, 15B
BJPCTC0074	MAST	Model 2070-2	ETS	22/24/27, 15C, 15B
BJPCTC0075	Turntable	Model 2188	ETS-EMCO	22/24/27, 15C, 15B
BJPCTC0096	Preamplifier	AFS4-00100300-20-23P-6	Miteq	22/24/27, 15C, 15B