



**FCC PART 15C
ISED RSS-247
TEST REPORT
No.I21Z70032-EMC09**

for

Samsung Electronics Co., Ltd.

Notebook PC

NP750XDA

with

FCC ID: ZCANP750XDA

ISED Number: 25314-NP750XDA

Hardware Version: REV1.0

Software Version: Windows10-Pro

Issued Date: 2021-03-29

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Test Laboratory:

CTTL, Telecommunication Technology Labs, CAICT

No.52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel: +86(0)10-62304633-2512, Fax: +86(0)10-62304633-2504

Email: cttl_terminals@caict.ac.cn, website: www.chinattl.com

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21Z70032-EMC09	Rev.0	1st edition	2021-03-29

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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISCED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location1: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,
P. R. China 100191

Location2: CTTL(BDA)

Address: No.18A, Kangding Street, Beijing Economic-Technology
Development Area, Beijing, P. R. China 100176

1.3. Testing Environment

Normal Temperature: 15-35℃
Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2021-02-05
Testing End Date: 2021-03-25

1.5. Signature



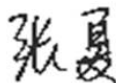
Li Yan

(Prepared this test report)



Zhang Ying

(Reviewed this test report)



Zhang Xia

Deputy Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: Samsung Electronics Co., Ltd.
Address: 19 Chapin Rd., Building D Pine Brook, NJ 07058
Contact: Jenni Chun
Email: j1.chun@samsung.com
Telephone: +1-201-937-4203
Fax: /

2.2. Manufacturer Information

Company Name: Samsung Electronics Co., Ltd.
Address: Samsung R5, Maetan dong 129, Samsung ro
Youngtong gu, Suwon city 443 742, Korea
Contact: Sunghoon Cho
Email: ggobi.cho@samsung.com
Telephone: +82-10-2722-4159
Fax: /

3. PRODUCT INFORMATION

3.1. About EUT

Description	Notebook PC
Model name	NP750XDA
FCC ID	ZCANP750XDA
ISED Number	25314-NP750XDA

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of T CTTL-Telecommunication Technology Labs, CAICT

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version
UT12a	2170032UT12a	REV1.0	Windows10-Pro
UT33a	2170032UT33a	REV1.0	Windows10-Pro

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description		
AE1	AC Adapter	/	/
AE2	Travel Adapter	/	/
AE3	battery	/	/
AE1			
Model	PD-65ABH		
Manufacturer	Chicony Power Technology Co., Ltd.		
Length of cable	/		
AE2			
Model	EP-TA865		
Manufacturer	Dong Yang E & P Inc.		
Length of cable	/		
AE3			
Model	AA-PBSN4AF		
Manufacturer	SDI		

*AE ID: is used to identify the test sample in the lab internally.

3.4. General Description

The Equipment Under Test (EUT) was a Notebook PC with Bluetooth, Bluetooth Low Energy and 802.11 a/b/g/n/ac/ax capabilities in the 2.4 GHz and 5 GHz bands.

Antenna information

Item	Spec.	Vendor	Vendor Model
Antenna	/	Inpaq	/
Antenna	/	Speed	/

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the Client.

3.5. Test Configuration

The software DRTU provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

3.6. Interpretation of the Test Environment

For the test methods, the test environment uncertainty figures correspond to an expansion factor $k=2$.

Measurement Uncertainty

Parameter	Uncertainty
temperature	0.48°C
humidity	2 %
DC voltages	0.003V

4. Reference Documents

4.1. Documents supplied by applicant

EUT parameters, referring to Annex A for detailed information, is supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part15	FCC CFR 47, Part 15, Subpart C:	2019
	15.205 Restricted bands of operation;	
	15.209 Radiated emission limits, general requirements;	
ANSI C63.10	15.247 Operation within the bands 902–928MHz, 2400–2483.5 MHz, and 5725–5850 MHz.	June,2013
	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	
ISED RSS - Gen	Spectrum Management and Telecommunications – Radio Standards Specification	Issue 5 2019
ISED RSS-247	General Requirements for Compliance of Radio Apparatus Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices	Issue 2 2017
KDB 558074 D01	Federal Communications Commission Office of Engineering and Technology Laboratory Division GUIDANCE FOR COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEM, FREQUENCY HOPPING SPREAD SPECTRUM SYSTEM, AND HYBRID SYSTEM DEVICES OPERATING UNDER SECTION 15.247 OF THE FCC RULES	2019

Note: The test methods have no deviation with standards.

5. Test Results

5.1. Summary of Test Results

Abbreviations used in this clause:

- P** Pass, The EUT complies with the essential requirements in the standard.
- F** Fail, The EUT does not comply with the essential requirements in the standard
- NA** Not Applicable, The test was not applicable
- NP** Not Performed, The test was not performed by CTTL

SUMMARY OF MEASUREMENT RESULTS	Sub-clause of Part15C	Sub-clause of ISED	Verdict
Radiated Spurious Emission	15.247, 15.205, 15.209	RSS-247 5.5 RSS-Gen 8.9	P
AC Power line Conducted Emission	15.107, 15.207	RSS-Gen 8.8	P

Please refer to **ANNEX C** for detail.

The measurement is made according to ANSI C63.10.

5.2. Statements

CTTL has evaluated the test cases requested by the applicant /manufacturer as listed in section 5.1 of this report for the EUT specified in section 3 according to the standards or reference documents listed in section 4.2

5.3. Test Conditions

T nom	Normal Temperature
T min	Low Temperature
T max	High Temperature
V nom	Normal Voltage

For this report, if the test cases listed above are tested under normal temperature and normal voltage, and also under norm humidity, the specific condition is shown as follows:

Temperature	T nom	26°C
Voltage	V nom	4.0V
Humidity	H nom	20-75%

6. Test Facilities Utilized

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	Test Receiver	ESU26	100376	R&S	1 year	2021-09-04
2	BiLog Antenna	VULB9163	9163-482	Schwarzbeck	1 year	2021-11-04
3	Dual-Ridge Waveguide Horn Antenna	3117	00139065	ETS-Lindgren	1 year	2021-10-11
4	Dual-Ridge Waveguide Horn Antenna	3116	2663	ETS-Lindgren	1 year	2021-08-05
5	Vector Signal Analyzer	FSV40	101047	R&S	1 year	2021-05-18
6	Loop Antenna	HFH2-Z2	829324/007	R&S	1 year	2021-12-10
7	Test Receiver	ESU26	100235	R&S	1 year	2021-02-23

AC Powerline Conducted Emission

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Period	Calibration Due date
1	LISN	ENV216	101459	R&S	1 year	2021-04-09
2	Test Receiver	ESCI	100766	R&S	1 year	2022-03-09

7. Measurement Uncertainty

Radiated Spurious Emission

Measurement Uncertainty:

Frequency Range	Uncertainty(dBm) (k=2)
9kHz-30MHz	/
$30\text{MHz} \leq f \leq 1\text{GHz}$	5.40
$1\text{GHz} \leq f \leq 18\text{GHz}$	4.32
$18\text{GHz} \leq f \leq 40\text{GHz}$	5.26

AC Power-line Conducted Emission

Measurement Uncertainty (k=2)	3.10dB
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ANNEX A: EUT parameters

Disclaimer: The antenna gain provided by the client may affect the validity of the measurement results in this report, and the client shall bear the impact and consequences arising therefrom.

ANNEX B: Antenna Requirements

According to FCC 47 CFR § 15.203:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- (1) The antennas of the EUT are permanently attached.
- (2) The EUT complies with the requirement of §15.203

ANNEX C: Detailed Test Results

C.1. Radiated Spurious Emission

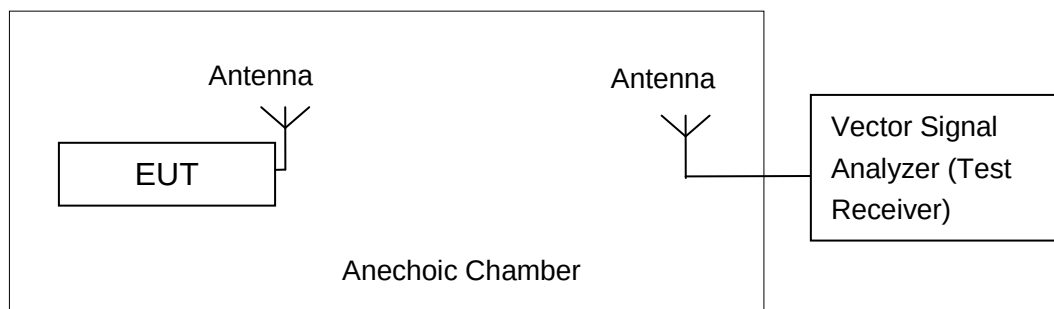
Specification Reference

FCC 47 CFR Part 15.247, 15.205, 15.209 & RSS-247 5.5, RSS-GEN, 8.9

Method of Measurement

Testing was performed in according with ANSI C63.10-2013 and KDB 558074.

The radiated emission test is performed in semi-anechoic chamber. The distance from the EUT to the reference point of measurement antenna is 3m. The test is carried out on both vertical and horizontal polarization and only maximization result of both polarizations is kept. During the test, the turntable is rotated 360° and the measurement antenna is moved from 1m to 4m to get the maximization result.



Note: Emissions below 18GHz were measured at a 3 meter test distance while emission above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.

Measurement Limit

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209 & RSS-247 section 5.5	20dB below peak output power

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency (MHz)	Field strength(μ V/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

Frequency of emission (MHz)	Field strength(dB μ V/m)	Measurement distance(m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Test settings

Frequency of emission (MHz)	RBW/VBW
30-1000	100KHz/300KHz
1000-4000	1MHz/3MHz
4000-18000	1MHz/3MHz
18000-26500	1MHz/3MHz

Sample Calculation

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{Mea}} + A_{\text{Rpl}} = P_{\text{Mea}} + \text{Cable Loss} + \text{Antenna Factor}$$

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

P_{Mea} is the field strength recorded from the instrument.

Test Notes

1. The EUT is operating at its maximum duty cycle and its maximum power control level.
2. Investigation has been done on all channel, modes and modulations/data rates. Only the radiated emissions of the configurations that produced the worst case emissions are reported in this section.

C.1.1 Radiated Spurious Emission- above 1GHz

Speed

Average Measurement results

GFSK 2402MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2387.880	46.41	2.9	32.0	11.55	54.0	7.6	H	248
2388.420	46.42	2.9	32.0	11.56	54.0	7.6	H	92
4803.700	26.38	-33.3	34.1	25.53	54.0	27.6	H	49
7205.800	27.66	-31.2	35.8	23.05	54.0	26.3	H	138
9607.900	28.85	-30.6	36.7	22.74	54.0	25.2	H	248
12010.000	31.78	-28.9	38.7	22.01	54.0	22.2	H	72

GFSK 2440MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2427.780	46.33	2.9	32.0	11.40	54.0	7.7	H	24
2455.140	46.31	2.9	32.1	11.34	54.0	7.7	H	46
4882.000	27.00	-33.3	34.2	26.16	54.0	27.0	H	6
7322.800	29.18	-30.9	35.8	24.25	54.0	24.8	H	5
9763.600	29.72	-30.3	36.9	23.18	54.0	24.3	H	25
12205.300	32.72	-28.0	38.8	21.91	54.0	21.3	H	184

GFSK 2480MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2483.520	48.13	2.9	32.1	13.12	54.0	5.9	H	20
2483.580	47.94	2.9	32.1	12.92	54.0	6.1	H	248
4960.300	25.25	-33.6	34.2	24.66	54.0	28.7	H	49
7439.800	27.00	-31.7	35.9	22.81	54.0	27.0	H	335
9920.200	29.36	-30.0	37.1	22.27	54.0	24.6	H	180
12399.700	31.90	-28.1	38.9	21.05	54.0	22.1	H	8

Peak Measurement results

GFSK 2402MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2376.416	60.18	2.9	32.0	25.33	74.0	13.8	H	242
2374.162	60.25	2.9	32.0	25.41	74.0	13.7	V	88
4804.000	38.24	-33.3	34.1	37.39	74.0	35.8	H	44
7204.500	39.80	-31.2	35.8	35.19	74.0	34.2	V	132
9609.000	41.67	-30.5	36.7	35.57	74.0	32.3	V	242
12009.500	44.47	-28.9	38.7	34.69	74.0	29.5	V	66

GFSK 2440MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2366.000	43.57	-35.3	32.0	46.94	74.0	30.4	H	22
2512.800	43.55	-34.9	32.1	46.31	74.0	30.5	H	44
4882.000	37.93	-33.3	34.2	37.10	74.0	36.1	V	0
7323.000	40.23	-30.9	35.8	35.30	74.0	33.8	H	0
9764.000	40.73	-30.3	36.9	34.19	74.0	33.3	V	22
12205.000	43.74	-28.0	38.8	32.93	74.0	30.3	H	176

GFSK 2480MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2484.120	60.15	2.9	32.1	25.13	74.0	13.9	H	22
2490.605	60.61	2.9	32.1	25.58	74.0	13.4	H	242
4959.000	38.04	-33.6	34.2	37.45	74.0	36.0	H	44
7440.500	38.05	-31.7	35.9	33.86	74.0	35.9	H	330
9921.000	41.15	-30.0	37.1	34.06	74.0	32.8	H	176
12399.500	44.82	-28.1	38.9	33.98	74.0	29.2	V	0

Conclusion: PASS

Note: the spurious emission above 18G is noise only.

Inpaq

Average Measurement results

GFSK 2402MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2389.800	46.33	2.9	32.0	11.47	54.0	7.7	V	285
2389.980	46.40	2.9	32.0	11.54	54.0	7.6	V	3
4803.700	23.66	-33.3	34.1	22.81	54.0	30.3	V	239
7205.800	25.99	-31.2	35.8	21.37	54.0	28.0	H	2
9607.900	27.33	-30.6	36.7	21.23	54.0	26.7	H	334
12010.000	30.77	-28.9	38.7	20.99	54.0	23.2	H	43

GFSK 2440MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2434.020	46.57	2.9	32.0	11.63	54.0	7.4	V	306
2447.520	46.59	2.9	32.1	11.63	54.0	7.4	V	131
4882.000	24.07	-33.3	34.2	23.24	54.0	29.9	V	328
7322.800	26.74	-30.9	35.8	21.82	54.0	27.3	V	3
9763.600	27.87	-30.3	36.9	21.33	54.0	26.1	V	43
12205.300	31.32	-28.0	38.8	20.51	54.0	22.7	H	268

GFSK 2480MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2483.580	46.51	2.9	32.1	11.49	54.0	7.5	V	106
2483.820	46.48	2.9	32.1	11.46	54.0	7.5	V	217
4960.300	23.82	-33.6	34.2	23.23	54.0	30.2	V	92
7439.800	25.97	-31.7	35.9	21.78	54.0	28.0	H	112
9920.200	38.39	-30.0	37.1	31.29	54.0	15.6	V	112
12399.700	31.29	-28.1	38.9	20.44	54.0	22.7	H	355

Peak Measurement results

GFSK 2402MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2383.556	59.80	2.9	32.0	24.94	74.0	14.2	V	286
2388.540	59.84	2.9	32.0	24.98	74.0	14.2	H	0
4804.000	34.43	-33.3	34.1	33.57	74.0	39.6	V	242
7206.000	36.65	-31.2	35.8	32.03	74.0	37.4	H	0
9608.000	38.37	-30.6	36.7	32.27	74.0	35.6	V	330
12010.000	41.14	-28.9	38.7	31.37	74.0	32.9	H	44

GFSK 2440MHz

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2335.800	43.79	-35.3	31.9	47.15	74.0	30.2	H	308
2525.600	44.96	-34.7	32.2	47.54	74.0	29.0	V	132
4882.000	35.19	-33.3	34.2	34.36	74.0	38.8	V	330
7323.000	36.90	-30.9	35.8	31.98	74.0	37.1	H	0
9764.000	39.27	-30.3	36.9	32.73	74.0	34.7	H	44
12205.000	42.32	-28.0	38.8	31.52	74.0	31.7	V	264

GFSK 2480MHz

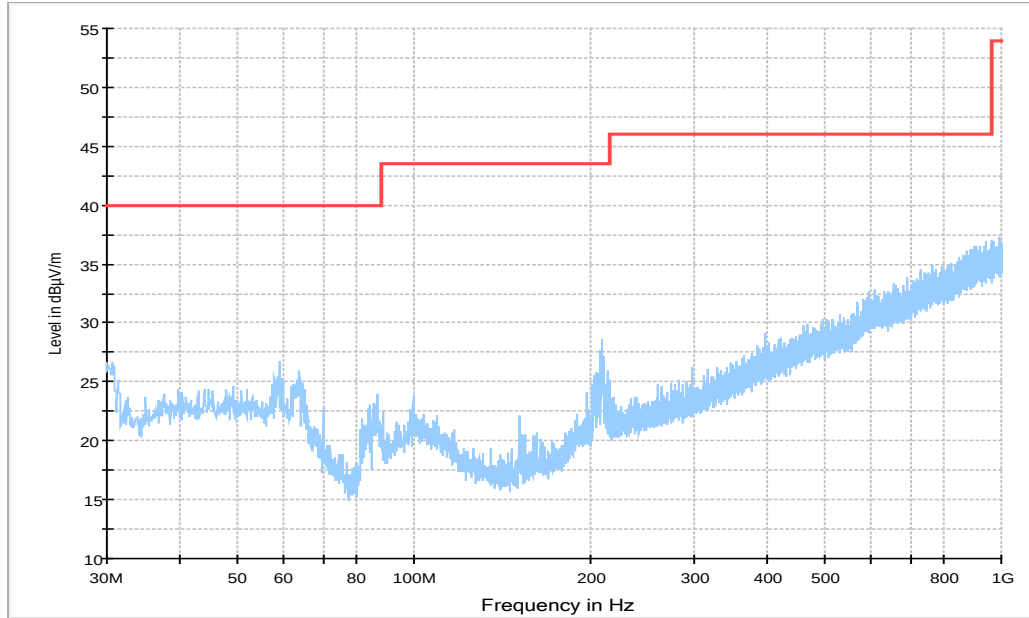
Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)	Turntable angle (deg)
2483.500	59.36	2.9	32.1	24.35	74.0	14.6	H	110
2488.795	60.69	2.9	32.1	25.66	74.0	13.3	H	220
4960.000	34.05	-33.6	34.2	33.46	74.0	40.0	H	88
7440.000	37.75	-31.7	35.9	33.57	74.0	36.2	V	110
9920.000	38.64	-30.0	37.1	31.55	74.0	35.4	V	110
12400.000	42.78	-28.1	38.9	31.93	74.0	31.2	H	352

Conclusion: PASS

Note: the spurious emission above 18G is noise only

C.1.2 Radiated Spurious Emission- Below 1GHz

WOSRT CASE BELOW 1GHz



BELOW 30MHz

There are no emissions found below 30MHz with in 20dB of the limit.

C.1.3 Band Edges Compliance– Radiated

Speed:

Mode	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	2.31GHz ~2.45GHz	Fig.1	P
	39	2.45GHz ~2.5GHz	Fig.2	P

Inpaq

Mode	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	2.31GHz ~2.45GHz	Fig.3	P
	39	2.45GHz ~2.5GHz	Fig.4	P

Conclusion: PASS

Test graphs as below

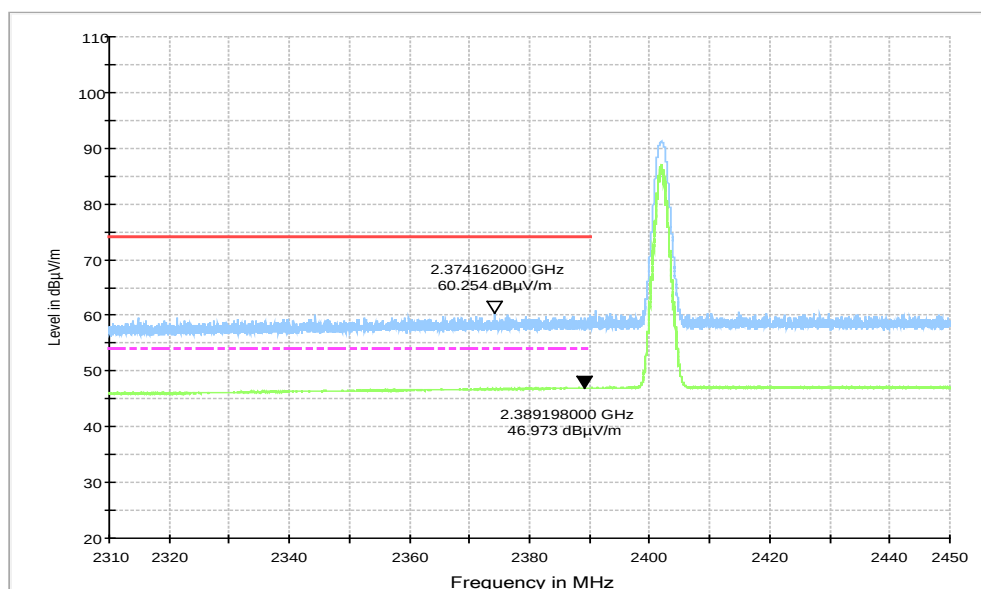


Fig.1. Frequency Band Edges: GFSK, 2402 MHz, 2.31 GHz – 2.45GHz

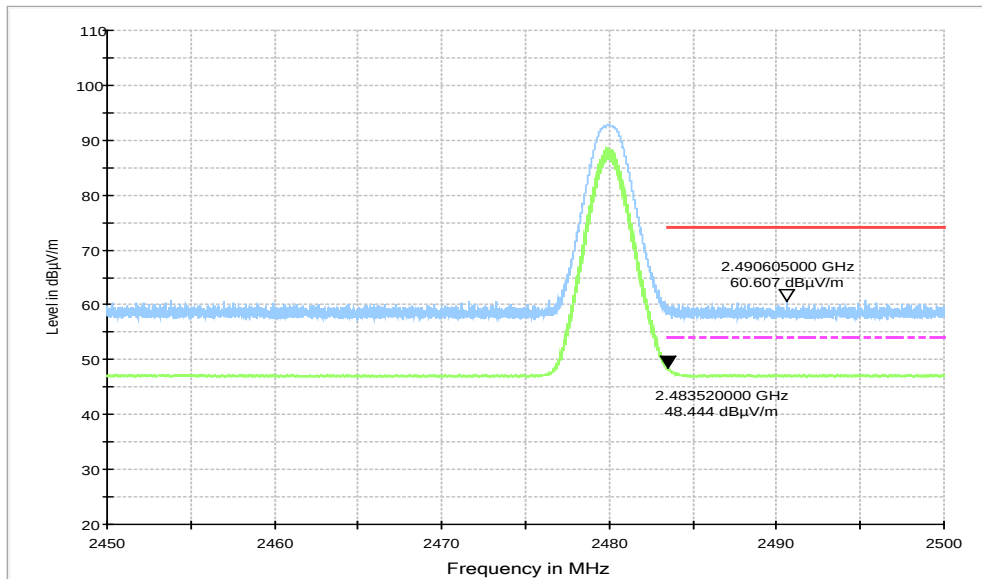


Fig.2. Frequency Band Edges: GFSK, 2480 MHz, 2.45 GHz - 2.50GHz

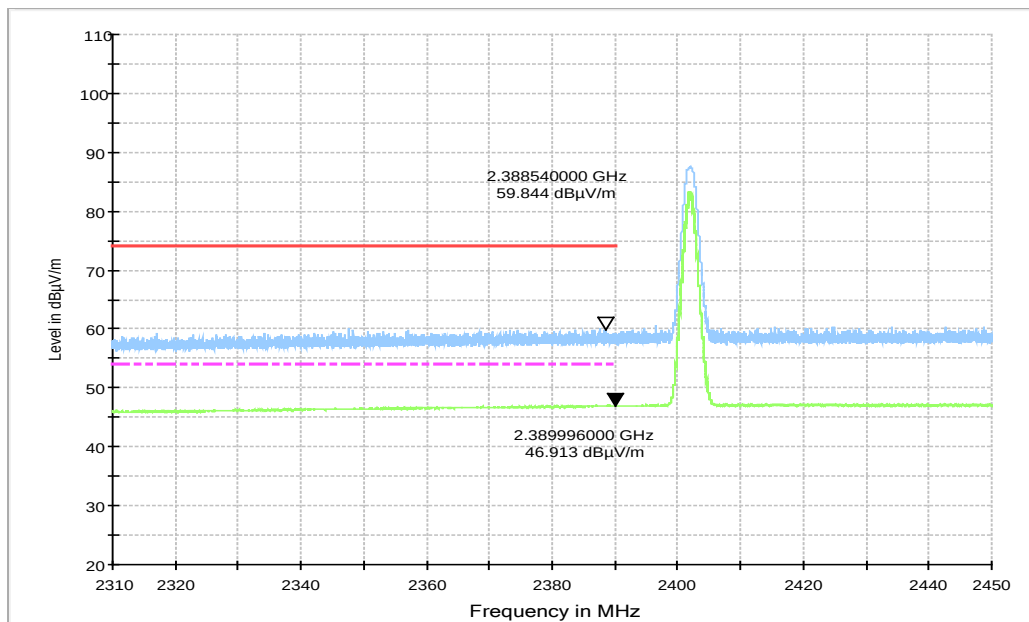


Fig.3. Frequency Band Edges: GFSK, 2402 MHz, 2.31 GHz - 2.45GHz

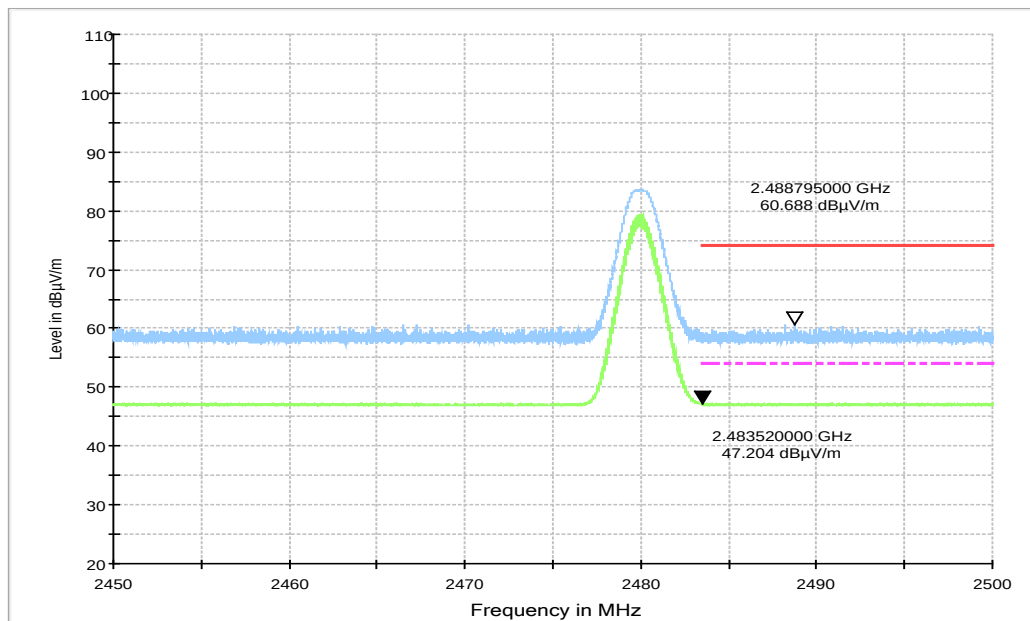


Fig.4. Frequency Band Edges: GFSK, 2480 MHz, 2.45 GHz - 2.50GHz

C.2. AC Power line Conducted Emission

Specification Reference

FCC 47 CFR Part 15.207, 15.107& RSS-GEN, 8.8

Method of Measurement:

See Clause 6.2 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

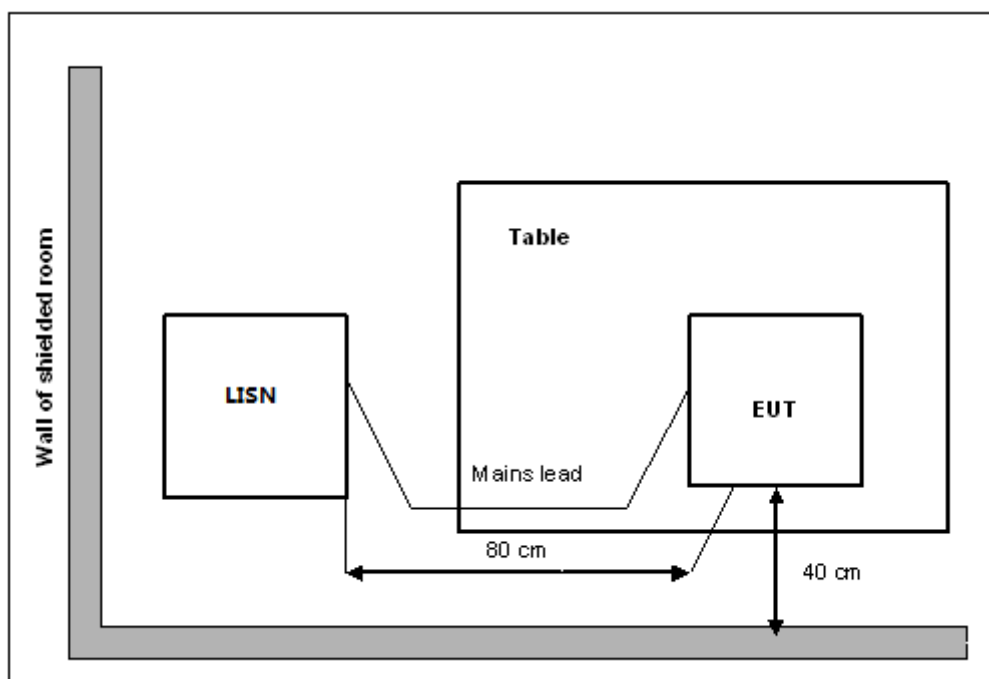
The measurement bandwidth is:

Frequency of Emission (MHz)	RBW/VBW
0.15-30	9kHz

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Setup



EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state.

The EUT is powered by an AC/travel adapter.

Measurement Result and limit:
Bluetooth (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		bluetooth	Idle	
0.15 to 0.5	66 to 56	Fig.C.2.1	Fig.C.2.2	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Bluetooth (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		bluetooth	Idle	
0.15 to 0.5	56 to 46	Fig.C.2.1	Fig.C.2.2	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Note: all modes have been tested and the worst results shown here.

Conclusion: Pass

Test graphs as below:

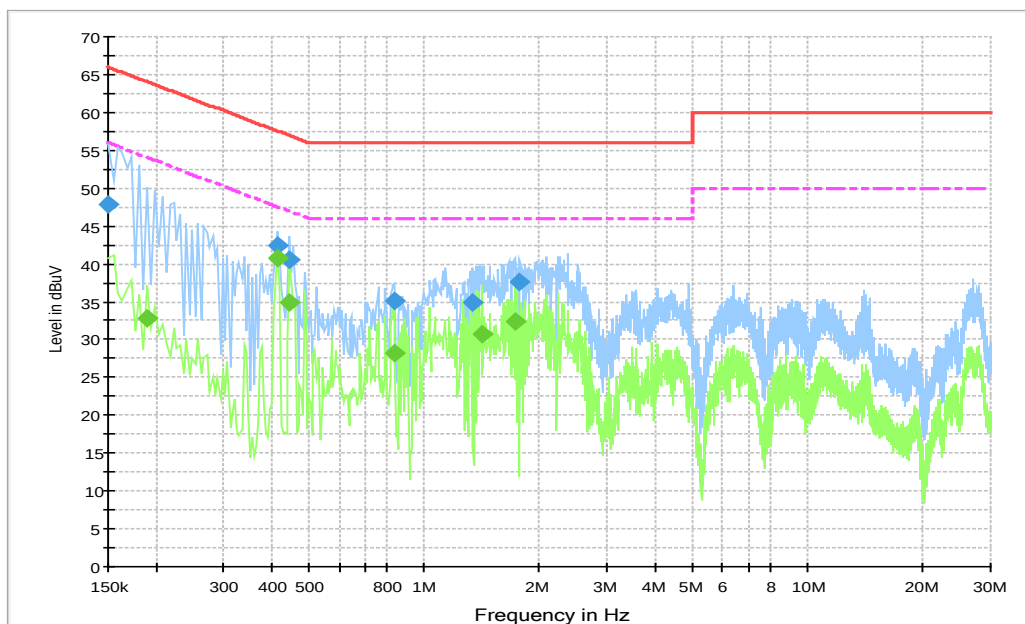


Fig.C.2.1 AC Powerline Conducted Emission- bluetooth

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	47.9	1000.	9.000	L1	19.8	18.1	66.0
0.415500	42.4	1000.	9.000	N	19.9	15.1	57.5
0.447000	40.5	1000.	9.000	L1	19.9	16.4	56.9
0.834000	35.0	1000.	9.000	N	19.8	21.0	56.0
1.333500	34.9	1000.	9.000	N	19.7	21.1	56.0
1.779000	37.6	1000.	9.000	N	19.7	18.4	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.190500	32.9	1000.0	9.000	N	20.0	21.1	54.0
0.415500	40.7	1000.0	9.000	N	19.9	6.9	47.5
0.447000	34.9	1000.0	9.000	L1	19.9	12.0	46.9
0.834000	28.1	1000.0	9.000	L1	19.8	17.9	46.0
1.410000	30.8	1000.0	9.000	L1	19.7	15.2	46.0
1.720500	32.3	1000.0	9.000	L1	19.7	13.7	46.0

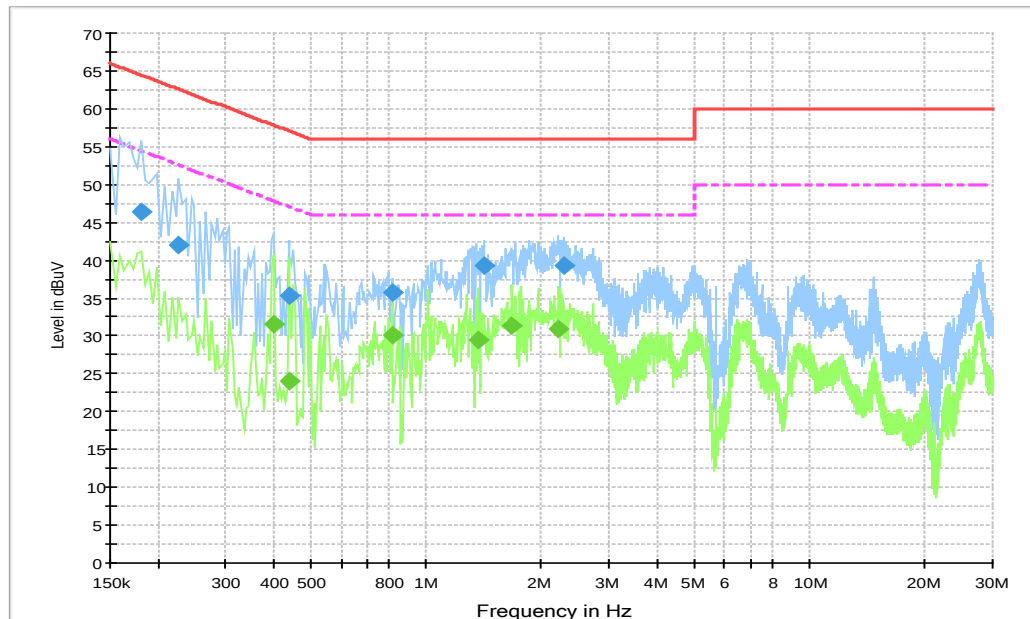


Fig.C.2.2 AC Powerline Conducted Emission-Idle

Note: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.181500	46.3	1000.	9.000	N	20.0	18.1	64.4
0.226500	41.9	1000.	9.000	N	19.9	20.7	62.6
0.438000	35.4	1000.	9.000	L1	19.9	21.7	57.1
0.816000	35.8	1000.	9.000	L1	19.8	20.2	56.0
1.414500	39.3	1000.	9.000	L1	19.7	16.7	56.0
2.278500	39.3	1000.	9.000	L1	19.6	16.7	56.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.402000	31.6	1000.0	9.000	N	19.9	16.2	47.8
0.438000	24.0	1000.0	9.000	L1	19.9	23.1	47.1
0.816000	30.1	1000.0	9.000	L1	19.8	15.9	46.0
1.360500	29.5	1000.0	9.000	L1	19.7	16.5	46.0
1.675500	31.3	1000.0	9.000	L1	19.7	14.7	46.0
2.220000	30.9	1000.0	9.000	L1	19.6	15.1	46.0

*****END OF REPORT*****