TEST REPORT

No. I21N04067-BLE

HMD Global Oy

Smart Phone

Model Name: TA-1446

with

Hardware Version: V01

Software Version: 00WW_0_031

FCC ID: 2AJOTTA-1446

Issued Date: 2022-03-23

Designation Number: CN1210

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 SAICT.

Test Laboratory:

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CONTENTS

1. SUMMARY OF TEST REPORT 3

1.1. TEST ITEMS 3
1.2. TEST STANDARDS 3
1.3. TEST RESULT 3
1.4. TESTING LOCATION 3
1.5. PROJECT DATA 3
1.6. SIGNATURE 3

2. CLIENT INFORMATION 4

2.1. APPLICANT INFORMATION 4
2.2. MANUFACTURER INFORMATION 4

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) 5

3.1. ABOUT EUT 5
3.2. INTERNAL IDENTIFICATION OF EUT 5
3.3. INTERNAL IDENTIFICATION OF AE 5
3.4. GENERAL DESCRIPTION 6

4. REFERENCE DOCUMENTS 7

4.1. DOCUMENTS SUPPLIED BY APPLICANT 7
4.2. REFERENCE DOCUMENTS FOR TESTING 7

5. TEST RESULTS 8

5.1. TESTING ENVIRONMENT 8
5.2. TEST RESULTS 8
5.3. STATEMENTS 8

6. TEST EQUIPMENTS UTILIZED 9

7. LABORATORY ENVIRONMENT 10

8. MEASUREMENT UNCERTAINTY 11

ANNEX A: DETAILED TEST RESULTS 12

A.0 ANTENNA REQUIREMENT 15
A.1 MAXIMUM PEAK OUTPUT POWER 16
A.2 PEAK POWER SPECTRAL DENSITY 17
A.3 6DB BANDWIDTH 19
A.4 BAND EDGES COMPLIANCE 21
A.5 TRANSMITTER SPURIOUS EMISSION - CONDUCTED 23
A.6 TRANSMITTER SPURIOUS EMISSION - RADIATED 29
A.7 AC POWER LINE CONDUCTED EMISSION 35

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1. Summary of Test Report

1.1. Test Items

Product Name	Smart Phone
Model Name	TA-1446
Applicant's name	HMD Global Oy
Manufacturer's Name	HMD Global Oy

1.2. Test Standards

FCC Part15-2019; ANSI C63.10-2013

1.3. Test Result

Pass

Please refer to 5.2 Test Results.

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China

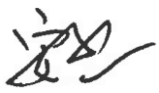
1.5. Project data

Testing Start Date:	2022-02-23
Testing End Date:	2022-03-22

1.6. Signature

Lin Zechuang

(Prepared this test report)



An Ran

(Reviewed this test report)

Zhang Bojun

(Approved this test report)

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2. Client Information

2.1. Applicant Information

Company Name:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland
Contact Person:	Reza Serafat
E-Mail:	reza.serafat@hmdglobal.com
Telephone:	+393 31 6272922
FAX:	/

2.2. Manufacturer Information

Company Name:	HMD Global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland
Contact Person:	Reza Serafat
E-Mail:	reza.serafat@hmdglobal.com
Telephone:	+393 31 6272922
FAX:	/

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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Product Name	Smart Phone
Model Name	TA-1446
Frequency Range	2400MHz~2483.5MHz
Type of Modulation	GFSK
PHY	LE 1M
Number of Channels	40
Antenna Type	Integrated
Antenna Gain	-2.0dBi
Power Supply	3.6V DC by Battery
FCC ID	2AJOTTA-1446
Condition of EUT as received	No abnormality in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version	Receive Date
UT01aa	353906800005705	V01	00WW_0_031	2022-02-14
UT05aa	353906800005689	V01	00WW_0_031	2022-02-14

*EUT ID: is used to identify the test sample in the lab internally.
*UT01aa is used for Conduction test; UT05aa is used for Radiation test and AC Power line Conducted Emission test.

3.3. Internal Identification of AE

AE ID*	Description	AE ID*
AE1	Battery	/
AE2	Charger	/
AE3	USB Cable	/
AE4	Headset	/

AE1

Model	GH5781
Manufacturer	Shenzhen Aerospace Electronic Co.,Ltd
Capacity	2400mAh
Nominal Voltage	3.8V

AE2

Model	A806A-050100U-EU1
Manufacturer	Dongguan Aohai Technology Co., Ltd

AE3

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Model	MO34B1000100
Manufacturer	FKY-QY Electronic Technology Co. Ltd

AE4

Model	JWEP1199-M01H
Manufacturer	JUWEI ELECTRONICS CO.,LTD

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

3.4. General Description

The Equipment under Test (EUT) is a model of Mobile Phone with integrated antenna and battery. It consists of normal options: Lithium Battery, Charger, USB Cable and Headset.

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

Samples undergoing test were selected by the client.

According to the customer's description, TA-1446 is a variant of TA-1471. The main difference between them is that TA-1471 is dual SIM and TA-1446 is Single SIM.

The spot check of output power see ANNEX attached to the end of report.

This difference does not affect the following test cases. All results can be referred to the initial model. The initial model report number is I21N04075-BLE.

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4. Reference Documents

4.1. Documents supplied by applicant

EUT feature information is supplied by the applicant 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: 15.205 Restricted bands of operation; 15.209 Radiated emission limits, general requirements; 15.247 Operation within the bands 902-928MHz, 2400-2483.5 MHz, and 5725-5850 MHz	2019
ANSI C63.10	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	2013

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5. Test Results

5.1. Testing Environment

Normal Temperature: 15~35°C

Relative Humidity: 20~75%

5.2. Test Results

No	Test cases	Sub-clause of Part 15C	Verdict
0	Antenna Requirement	15.203	**P**
1	Maximum Peak Output Power	15.247 (b)	**P**
2	Peak Power Spectral Density	15.247 (e)	**P**
3	6dB Bandwidth	15.247 (a)	**P**
4	Band Edges Compliance	15.247 (d)	**P**
5	Transmitter Spurious Emission - Conducted	15.247 (d)	**P**
6	Transmitter Spurious Emission - Radiated	15.247, 15.205, 15.209	**P**
7	AC Power line Conducted Emission	15.107, 15.207	**P**

See **ANNEX A** for details.

5.3. Statements

SAICT has evaluated the test cases requested by the applicant/manufacturer as listed in section 5.2 of this report, for the EUT specified in section 3, according to the standards or reference documents listed in section 4.2.

Disclaimer:

A. After confirmation with the customer, the sample information provided by the customer may affect the validity of the measurement results in this report, and the impact and consequences arising therefrom shall be borne by the customer.

B. The samples in this report are provided by the customer, and the test results are only applicable to the samples received.

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6. Test Equipments Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2022-12-29	1 year
2	Power Sensor	U2021XA	MY55430013	Keysight	2022-12-29	1 year
3	Data Acquisiton	U2531A	TW55443507	Keysight	/	/
4	RF Control Unit	JS0806-2	21C8060398	Tonscend	2022-05-09	1 year
5	Test Receiver	ESCI	100701	Rohde & Schwarz	2022-08-08	1 year
6	LISN	ENV216	102067	Rohde & Schwarz	2022-07-15	1 year

Radiated test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Loop Antenna	HLA6120	35779	TESEQ	2022-04-25	3 years
2	BiLog Antenna	3142E	0224831	ETS-Lindgren	2024-05-27	3 years
3	Horn Antenna	3117	00066577	ETS-Lindgren	2022-04-02	3 years
4	Horn Antenna	QSH-SL-18 -26-S-20	17013	Q-par	2023-01-06	3 years
5	Horn Antenna	QSH-SL-8-26-40-K-20	17014	Q-par	2023-01-06	3 years
6	Test Receiver	ESR7	101676	Rohde & Schwarz	2022-11-24	1 year
7	Spectrum Analyser	FSV40	101192	Rohde & Schwarz	2023-01-12	1 year
8	Chamber	FACT3-2.0	1285	ETS-Lindgren	2023-05-29	2 years

Test software

No.	Equipment	Manufacturer	Version
1	TechMgr Software	CAICT	2.1.1
2	EMC32	Rohde & Schwarz	10.50.40

EUT is engineering software provided by the customer to control the transmitting signal.
The EUT was programmed to be in continuously transmitting mode.

Anechoic chamber

Fully anechoic chamber by ETS-Lindgren

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7. Laboratory Environment

Semi-anechoic chamber

Temperature	Min. = 15 ˚C, Max. = 35 ˚C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ±4 dB, 3 m distance, from 30 to 1000 MHz

Shielded room

Temperature	Min. = 15 ˚C, Max. = 35 ˚C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-1000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω

Fully-anechoic chamber

Temperature	Min. = 15 ˚C, Max. = 35 ˚C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz，3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

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8. Measurement Uncertainty

Test Name	Uncertainty (*k*=2)	
1. Maximum Peak Output Power	1.32dB	
2. Peak Power Spectral Density	2.32dB	
3. 6dB Bandwidth	66Hz	
4. Band Edges Compliance	1.92dB	
5. Transmitter Spurious Emission - Conducted	30MHz≤f<1GHz	1.41dB
	1GHz≤f<7GHz	1.92dB
	7GHz≤f<13GHz	2.31dB
	13GHz≤f≤26GHz	2.61dB
6. Transmitter Spurious Emission - Radiated	9kHz≤f<30MHz	1.79dB
	30MHz≤f<1GHz	4.86dB
	1GHz≤f<18GHz	4.50dB
	18GHz≤f≤40GHz	2.90dB
7. AC Power line Conducted Emission	150kHz≤f≤30MHz	2.62dB

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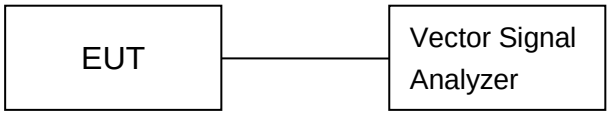
ANNEX A: Detailed Test Results

Test Configuration

The measurement is made according to ANSI C63.10.

1) Conducted Measurements

1. Connect the EUT to the test system correctly.
2. Set the EUT to the required work mode.
3. Set the EUT to the required channel.
4. Set the spectrum analyzer to start measurement.
5. Record the values.

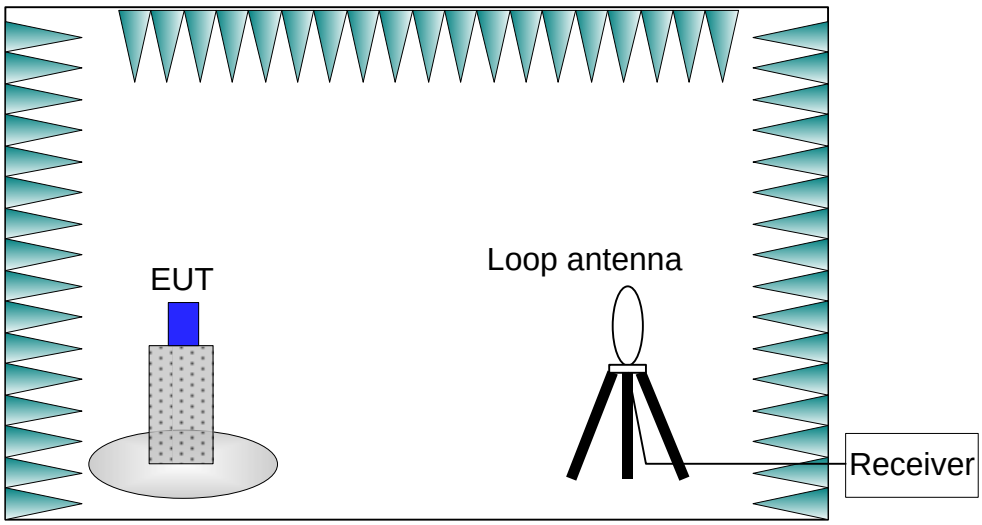


2) Radiated Measurements

Test setup:

9kHz-30MHz：

The EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT and adjusting the receiver antenna polarization.



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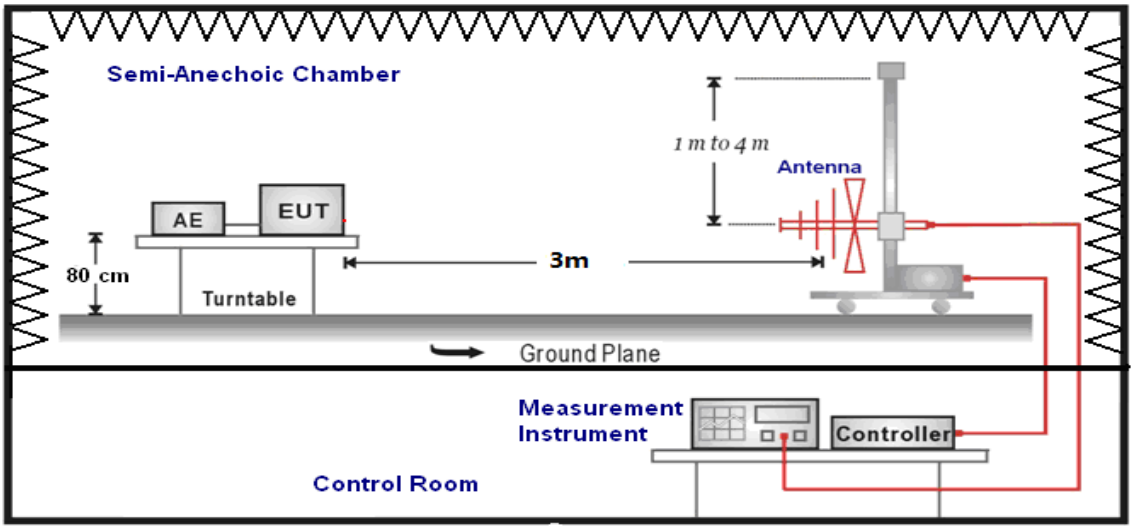
30MHz-1GHz:

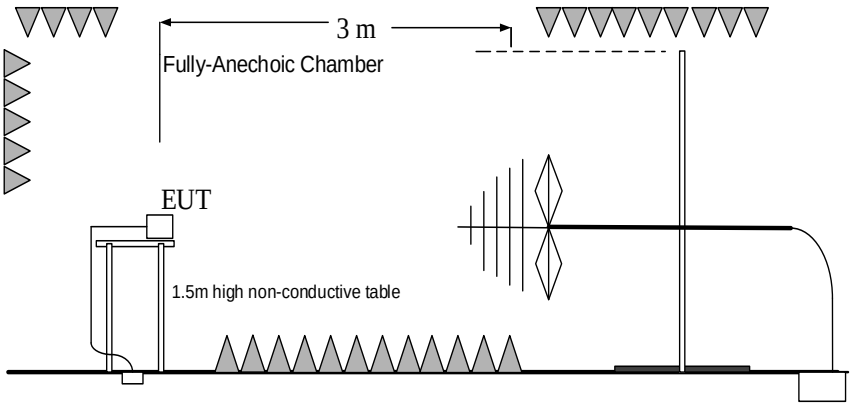
The EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving antenna is 1.0 meter to 4.0 meter above the ground. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT and adjusting the receiver antenna polarization.



Above 1GHz：

EUT was placed on a 1.5 meter high non-conductive table at a 3 meter test distance from the receive antenna. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT and adjusting the receiving antenna polarization.

1GHz-3GHz：



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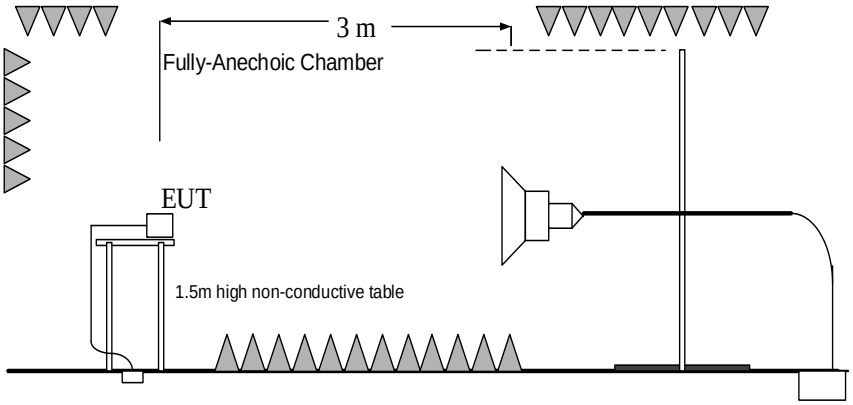
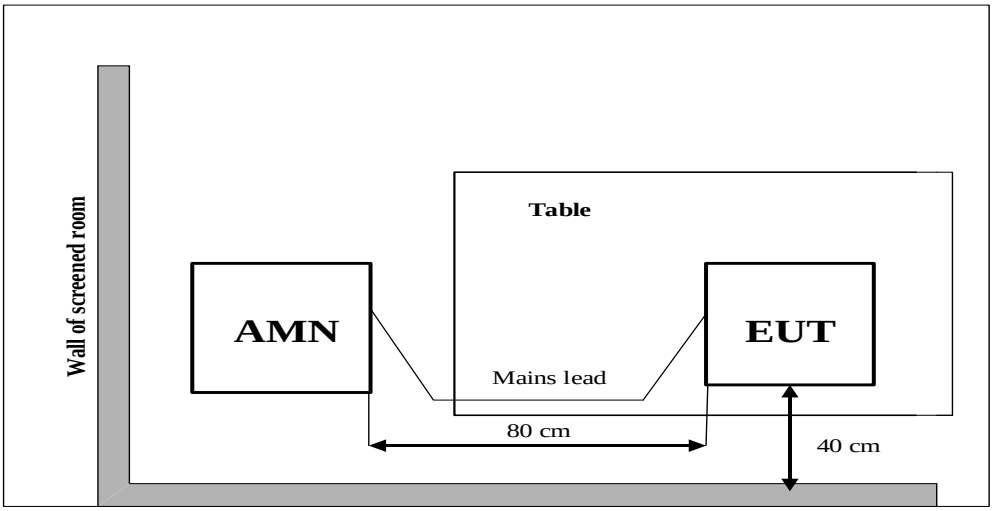
3GHz-40GHz：



3) AC Power line Conducted Emission Measurement

For Bluetooth LE, the EUT is working under test mode. The EUT is commanded to operate at maximum transmitting power.



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A.0 Antenna requirement

Measurement Limit:

Standard	Requirement
FCC CRF Part 15.203	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall 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. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Conclusion: The Directional gains of antenna used for transmitting is -2.0dBi.

The RF transmitter uses an integrate antenna without connector.

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A.1 Maximum Peak Output Power

Method of Measurement: See ANSI C63.10-clause 11.9.1.3

The maximum peak conducted output power may be measured using a broadband peak RF power meter.

Measurement Limit:

Standard	Limit (dBm)	E.I.R.P Limit (dBm)
FCC CRF Part 15.247 (b)	< 30	< 36

Measurement Results:

Mode	Frequency (MHz)	Peak Conducted Output Power (dBm)	E.I.R.P (dBm)	Conclusion
LE 1M	2402 (CH0)	6.87	4.87	**P**
	2440 (CH19)	6.78	4.78	**P**
	2480 (CH39)	5.57	3.57	**P**

Conclusion: Pass

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A.2 Peak Power Spectral Density

Method of Measurement: See ANSI C63.10-clause 11.10.2

Measurement Limit:

Standard	Limit
FCC CRF Part 15.247 (e)	< 8 dBm/3 kHz

Measurement Results:

Mode	Frequency (MHz)	Peak Power Spectral Density (dBm)		Conclusion
LE 1M	2402 (CH0)	Fig.1	-8.80	**P**
	2440 (CH19)	Fig.2	-8.75	**P**
	2480 (CH39)	Fig.3	-10.03	**P**

See below for test graphs.

Conclusion: PASS

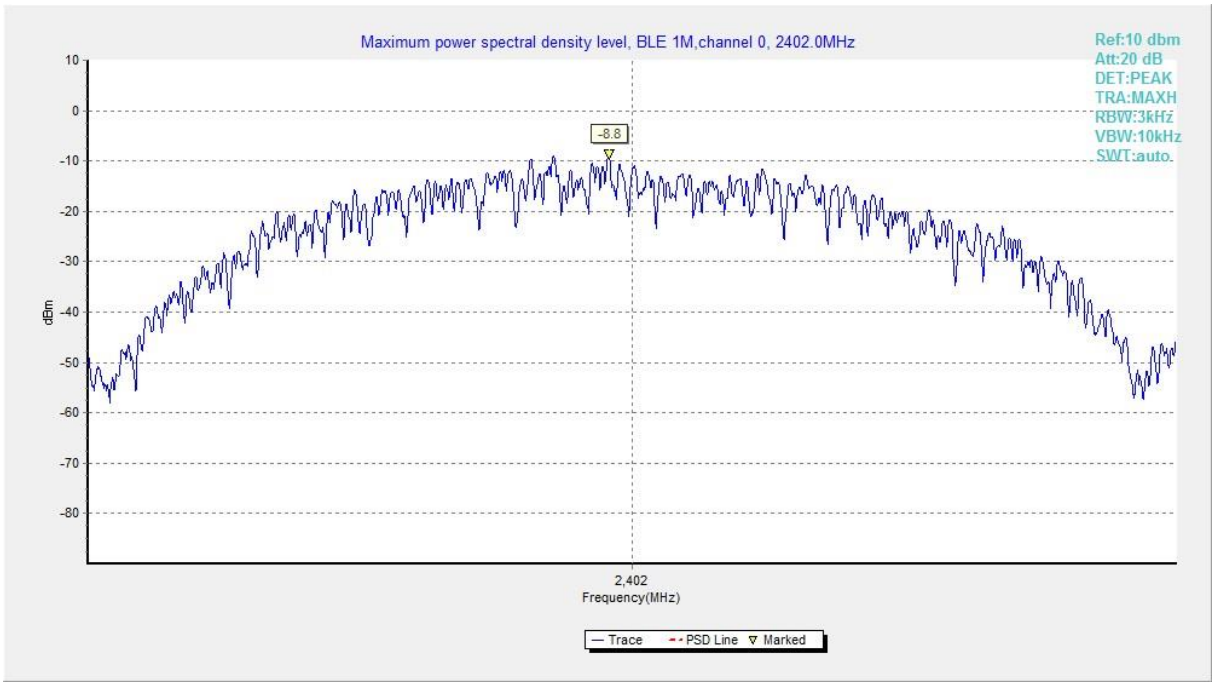

Fig.1 Power Spectral Density (Ch 0), LE 1M

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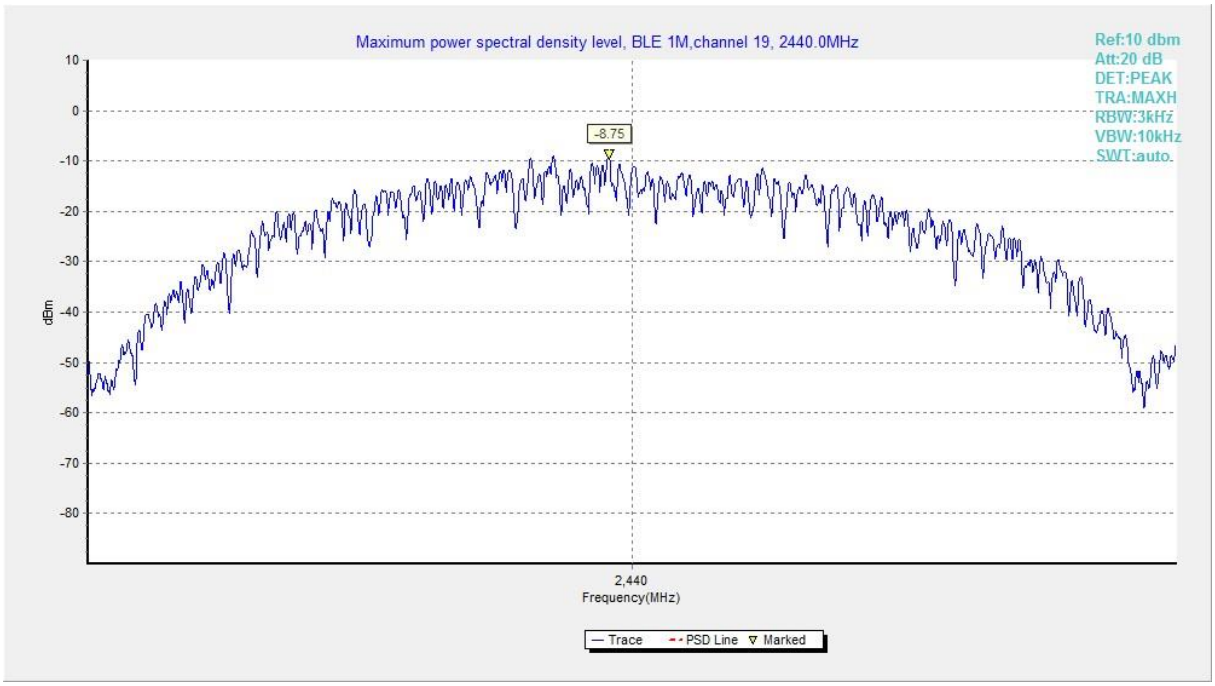

Fig.2 Power Spectral Density (Ch 19), LE 1M

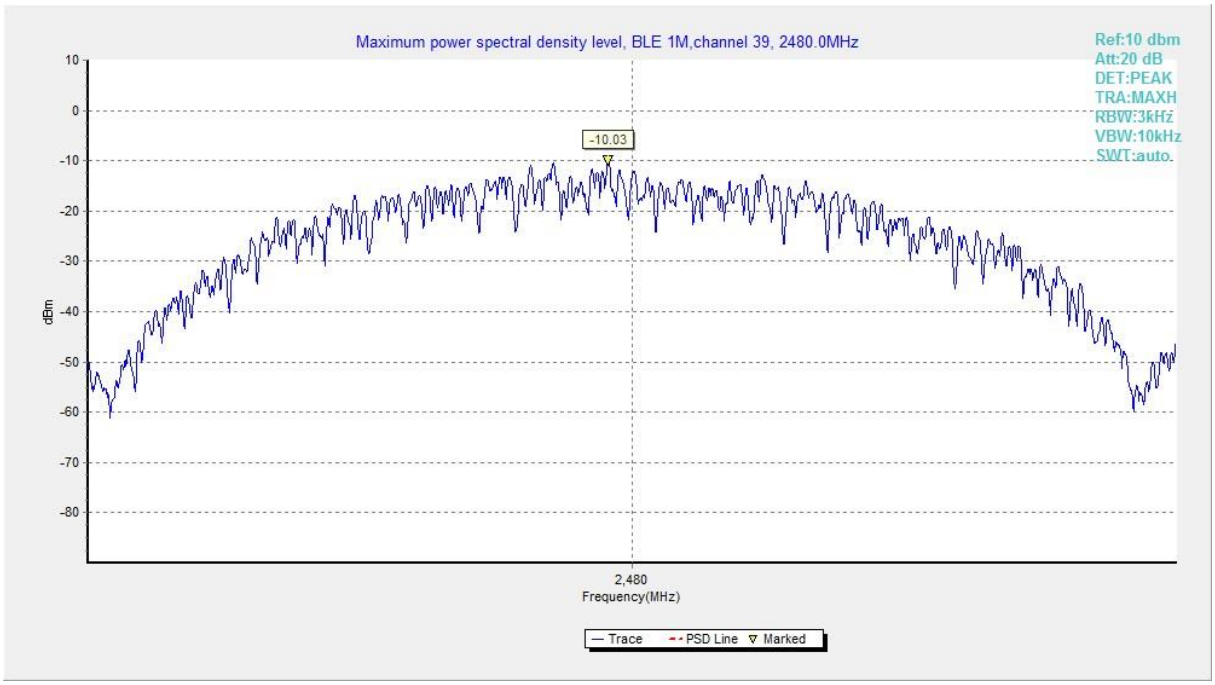

Fig.3 Power Spectral Density (Ch 39), LE 1M

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A.3 6dB Bandwidth

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a)	≥ 500

Measurement Result:

Mode	Frequency (MHz)	Test Results (kHz)		Conclusion
LE 1M	2402 (CH0)	Fig.4	681.50	**P**
	2440 (CH19)	Fig.5	680.00	**P**
	2480 (CH39)	Fig.6	679.00	**P**

See below for test graphs.

Conclusion: PASS

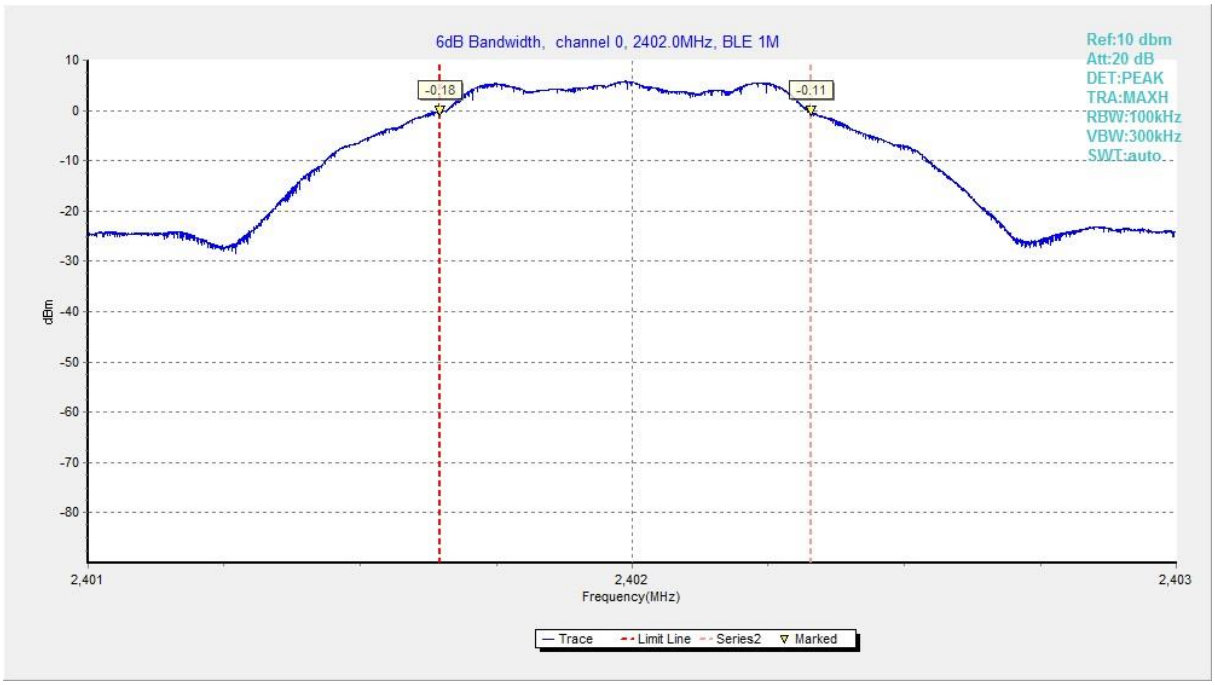

Fig.4 6dB Bandwidth (Ch 0), LE 1M

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Fig.5 6dB Bandwidth (Ch 19), LE 1M

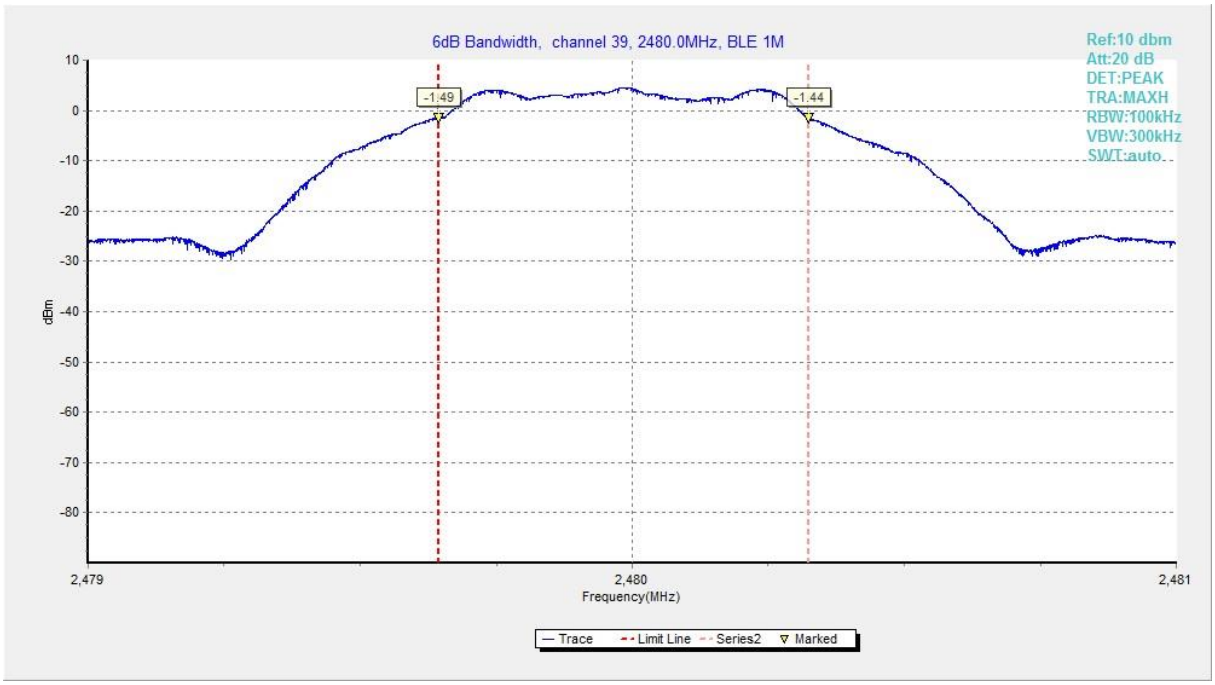

Fig.6 6dB Bandwidth (Ch 39), LE 1M

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A.4 Band Edges Compliance

Measurement Limit:

Standard	Limit (dB)
FCC 47 CFR Part 15.247 (d)	> 20

Measurement Result:

Mode	Frequency (MHz)	Test Results (dB)		Conclusion
LE 1M	2402 (CH0)	Fig.7	60.37	**P**
	2480 (CH39)	Fig.8	63.63	**P**

See below for test graphs.

Conclusion: Pass

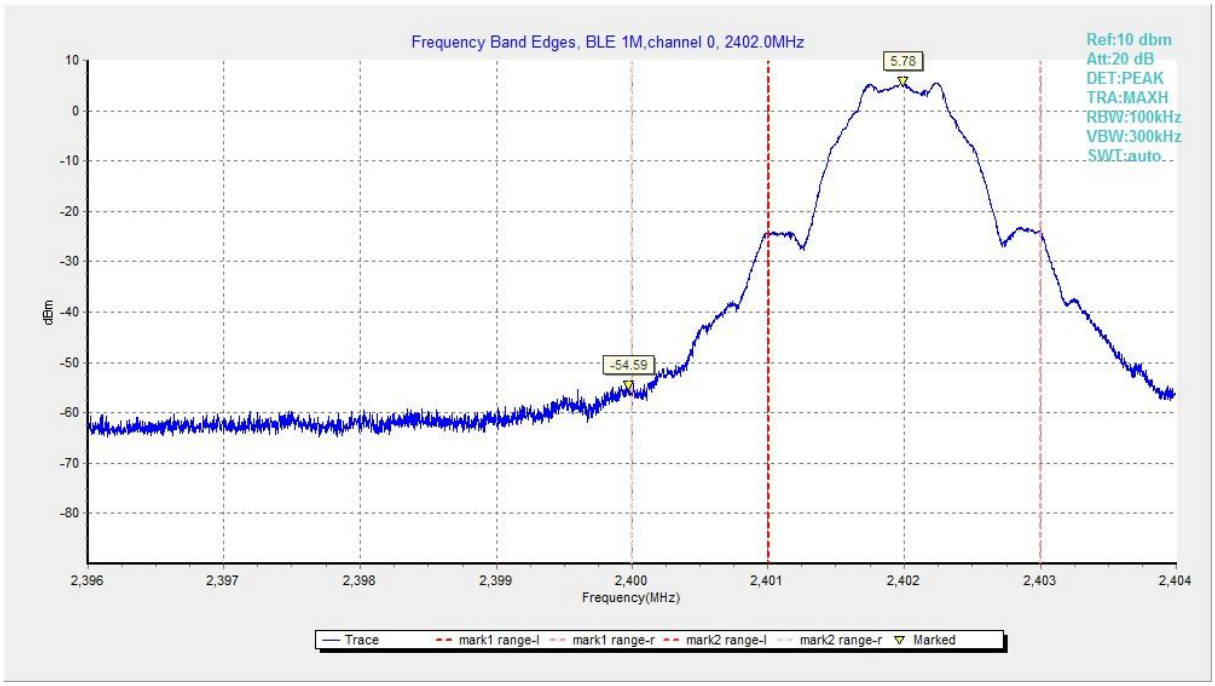

Fig.7 Band Edges (Ch 0), LE 1M

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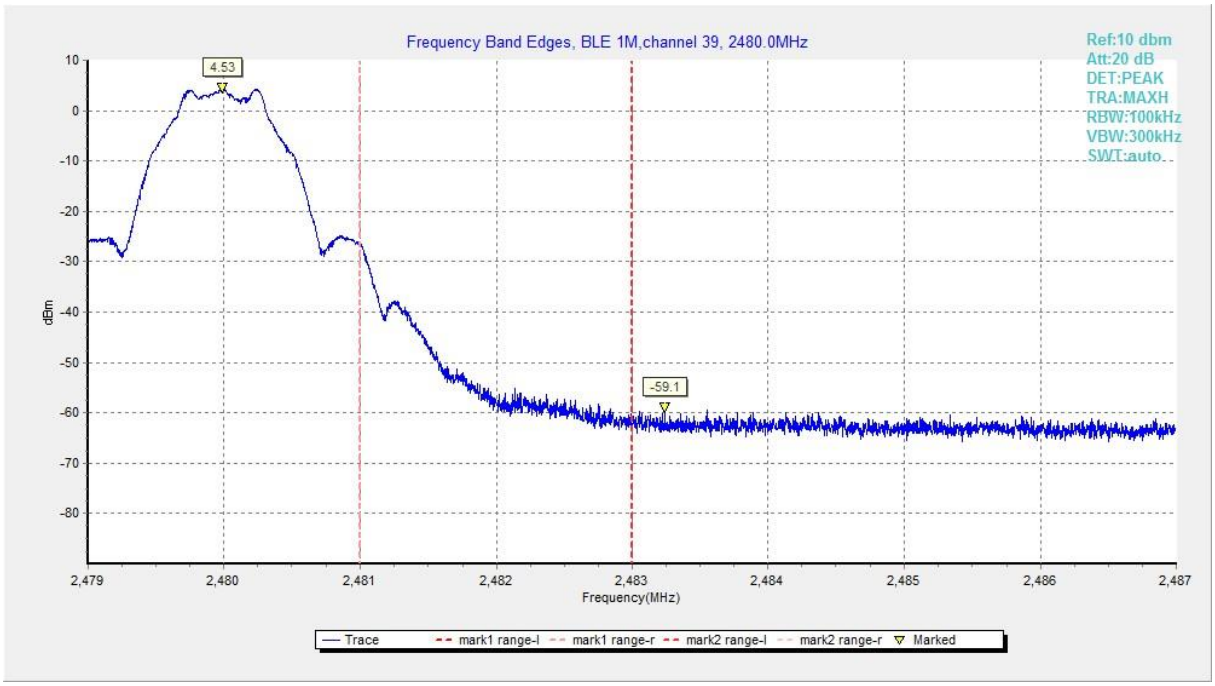

Fig.8 Band Edges (Ch 39), LE 1M

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A.5 Transmitter Spurious Emission - Conducted

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247 (d)	20dB below peak output power in 100kHz bandwidth

Measurement Results:

MODE	Channel	Frequency Range	Test Results	Conclusion
LE 1M	0	2.402 GHz	Fig.9	**P**
		1 GHz ~ 3 GHz	Fig.10	**P**
		3 GHz ~ 10 GHz	Fig.11	**P**
	19	2.440 GHz	Fig.12	**P**
		1 GHz ~ 3 GHz	Fig.13	**P**
		3 GHz ~ 10 GHz	Fig.14	**P**
	39	2.480 GHz	Fig.15	**P**
		1 GHz ~ 3 GHz	Fig.16	**P**
		3 GHz ~ 10 GHz	Fig.17	**P**
	All channels	30 MHz ~ 1 GHz	Fig.18	**P**
		10 GHz ~ 26 GHz	Fig.19	**P**

See below for test graphs.

Conclusion: Pass

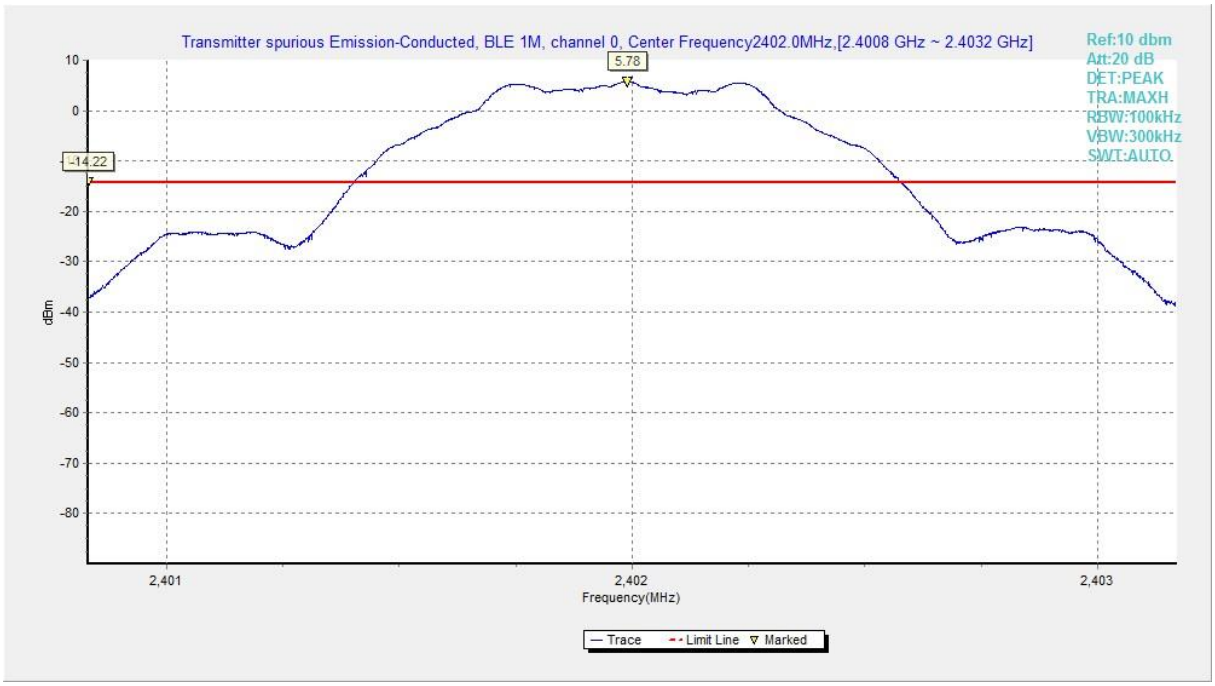

Fig.9 Conducted Spurious Emission (Ch0, Center Frequency), LE 1M

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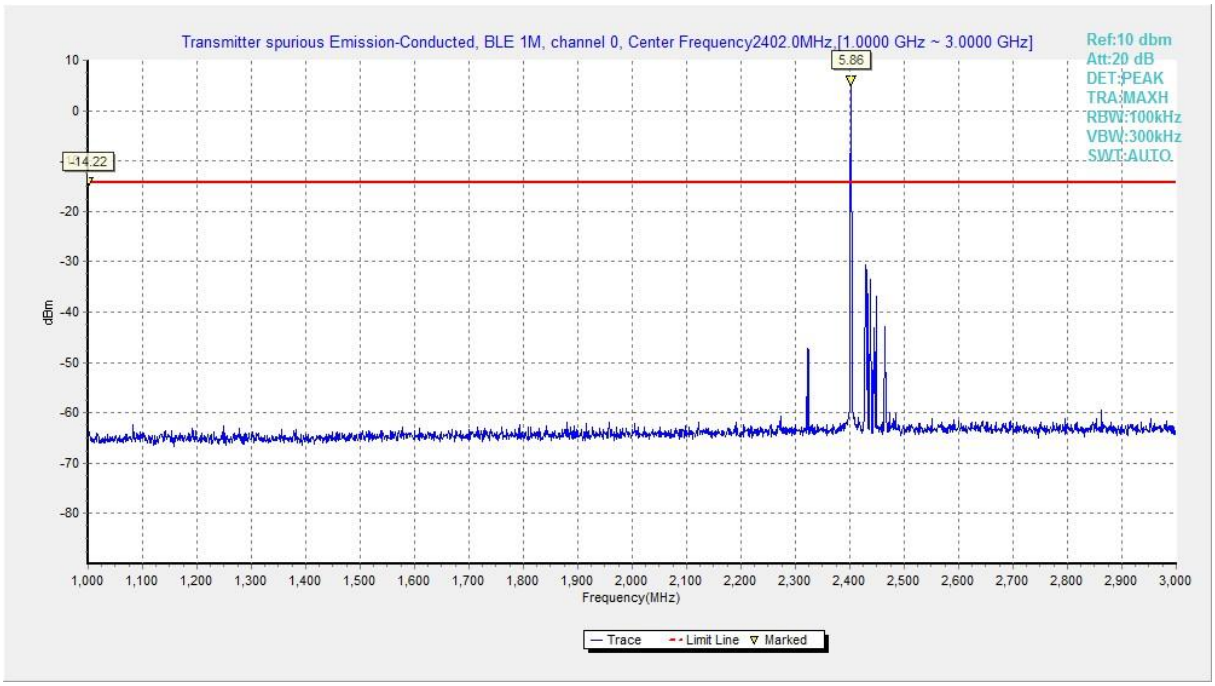

Fig.10 Conducted Spurious Emission (Ch0, 1 GHz-3 GHz), LE 1M

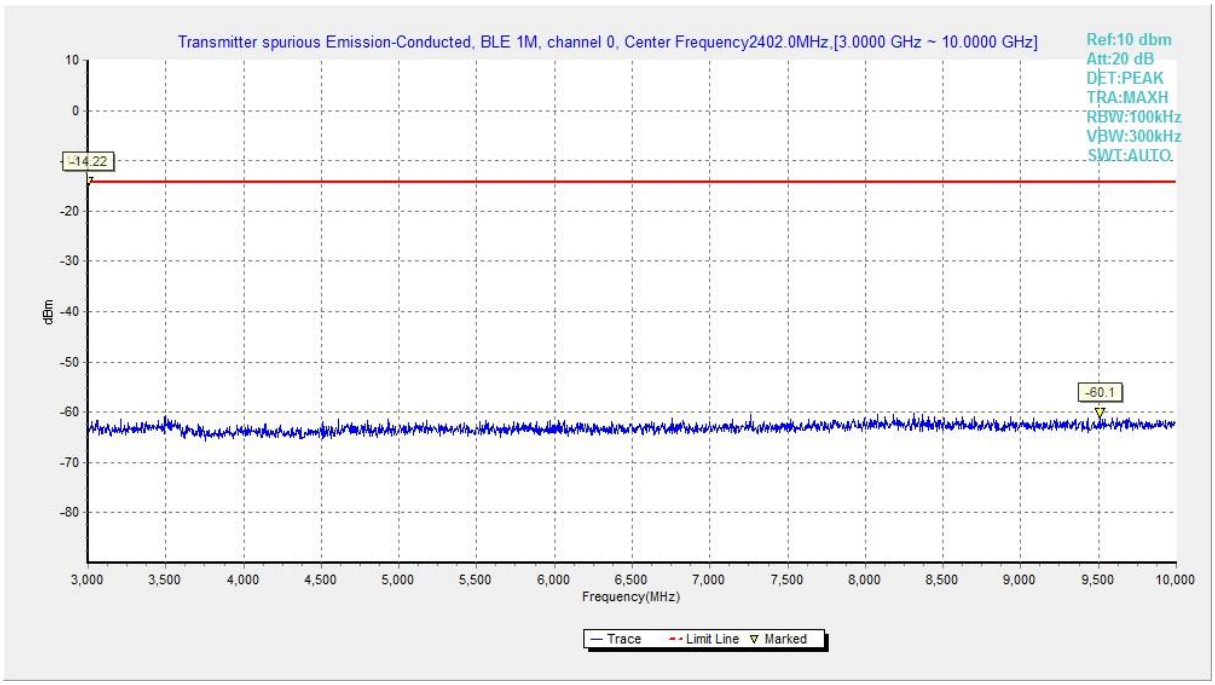

Fig.11 Conducted Spurious Emission (Ch0, 3 GHz-10 GHz), LE 1M

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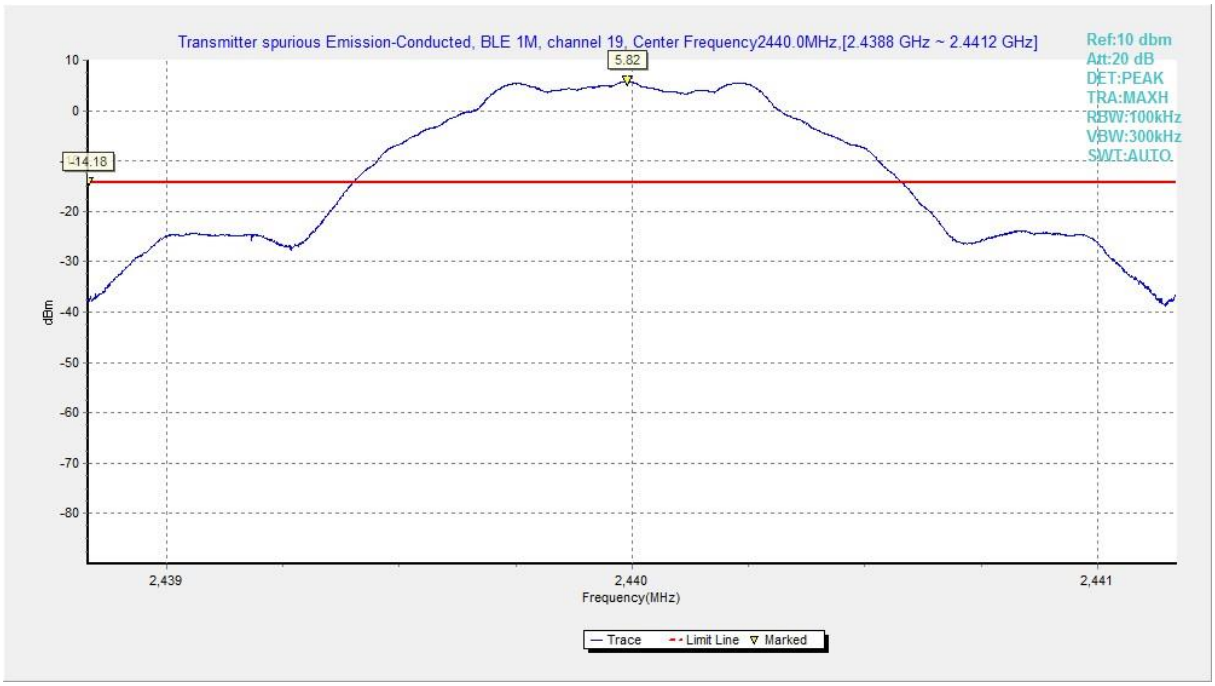

Fig.12 Conducted Spurious Emission (Ch19, Center Frequency), LE 1M

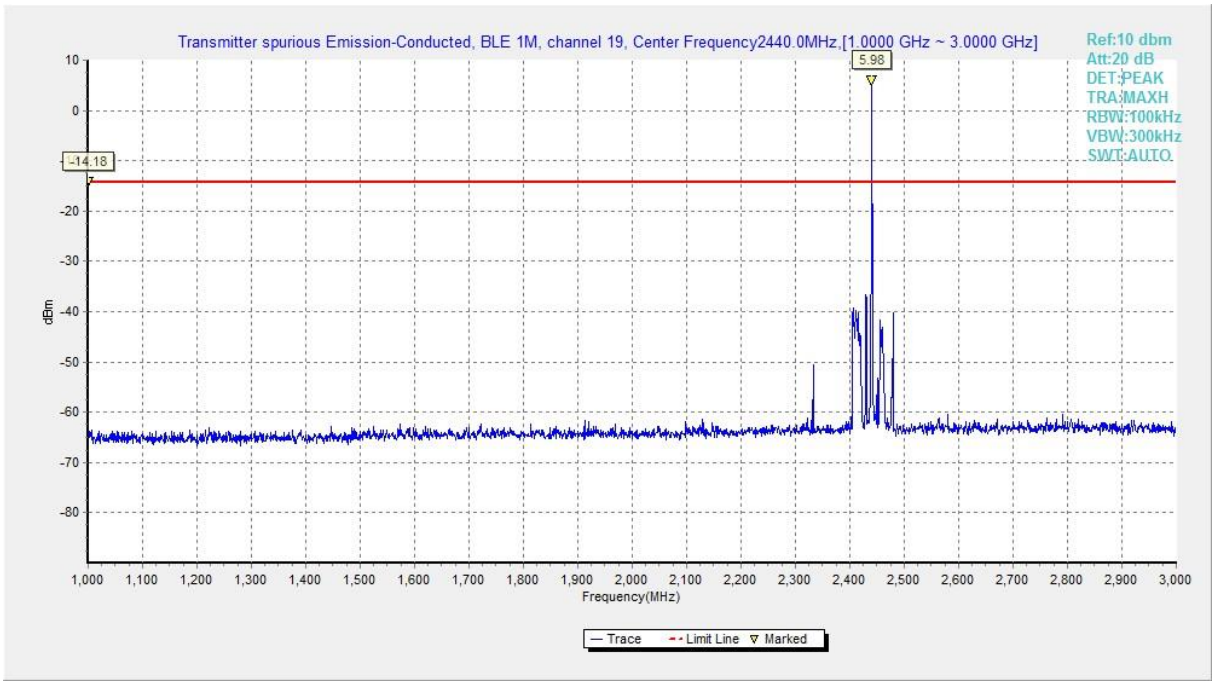

Fig.13 Conducted Spurious Emission (Ch19, 1 GHz-3 GHz), LE 1M

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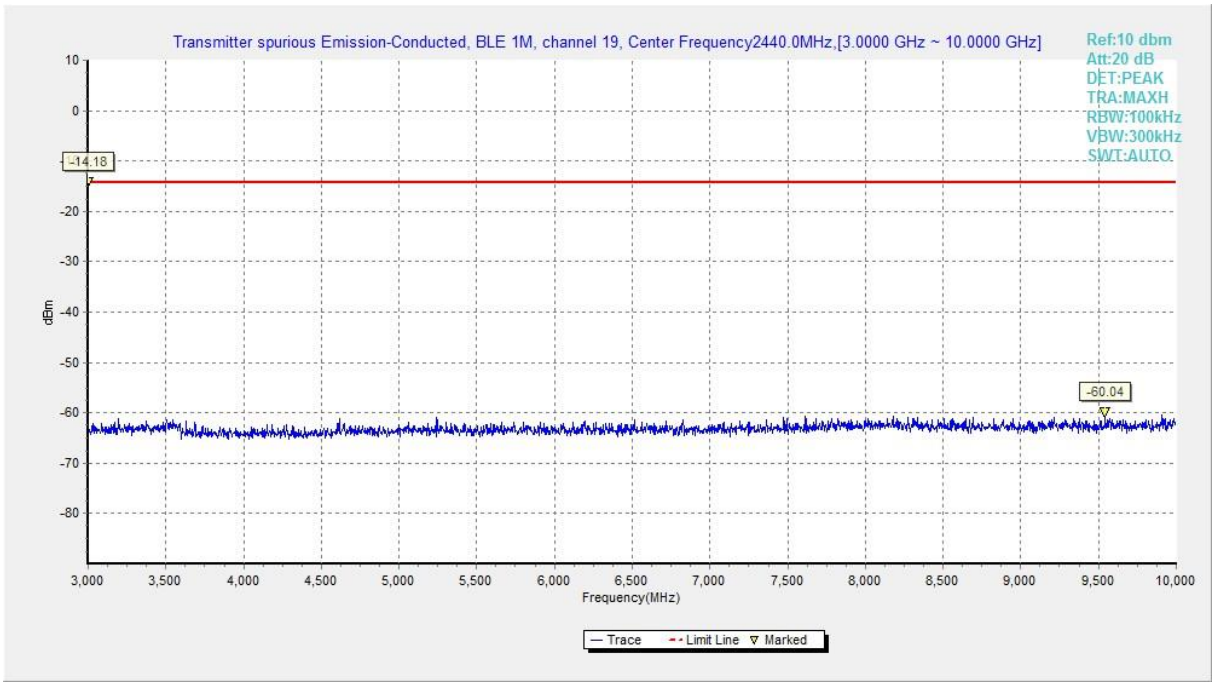

Fig.14 Conducted Spurious Emission (Ch19, 3 GHz-10 GHz), LE 1M

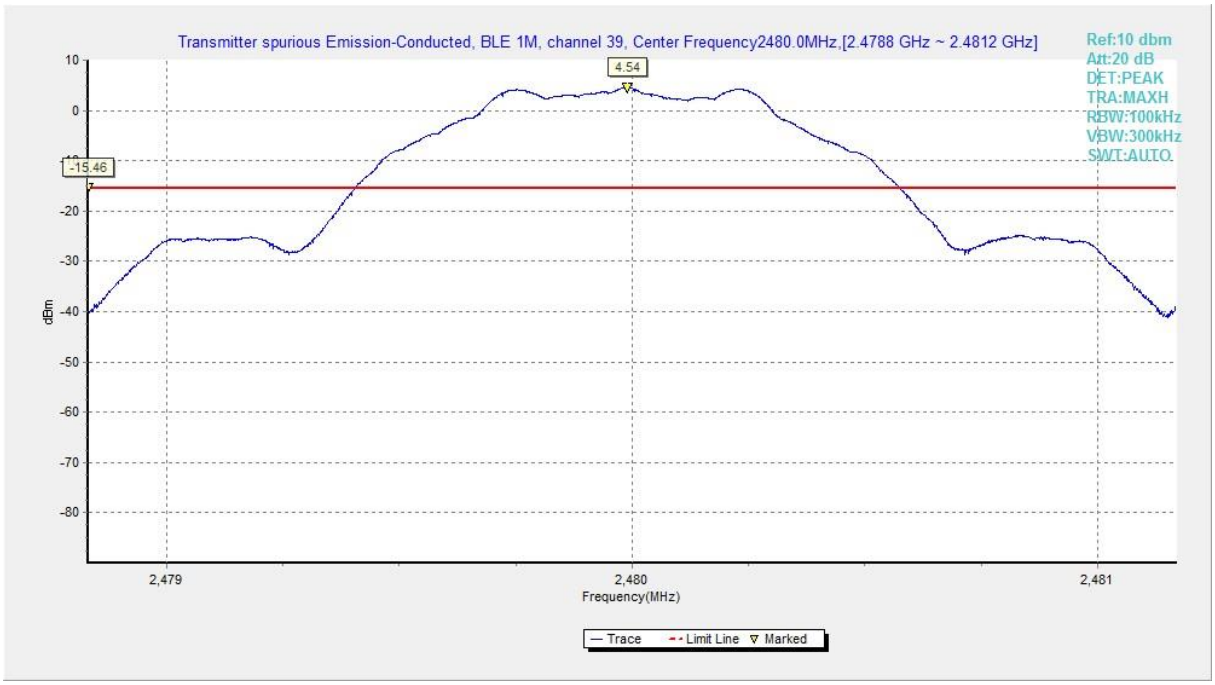

Fig.15 Conducted Spurious Emission (Ch39, Center Frequency), LE 1M

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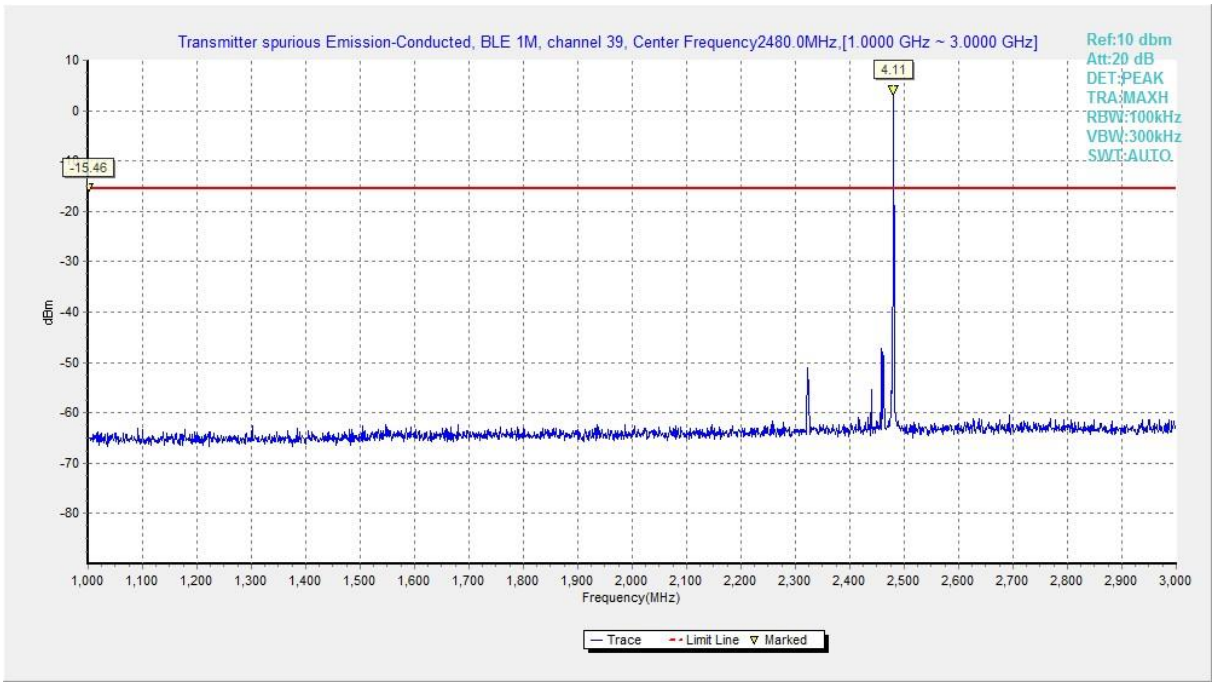

Fig.16 Conducted Spurious Emission (Ch39, 1 GHz-3 GHz), LE 1M

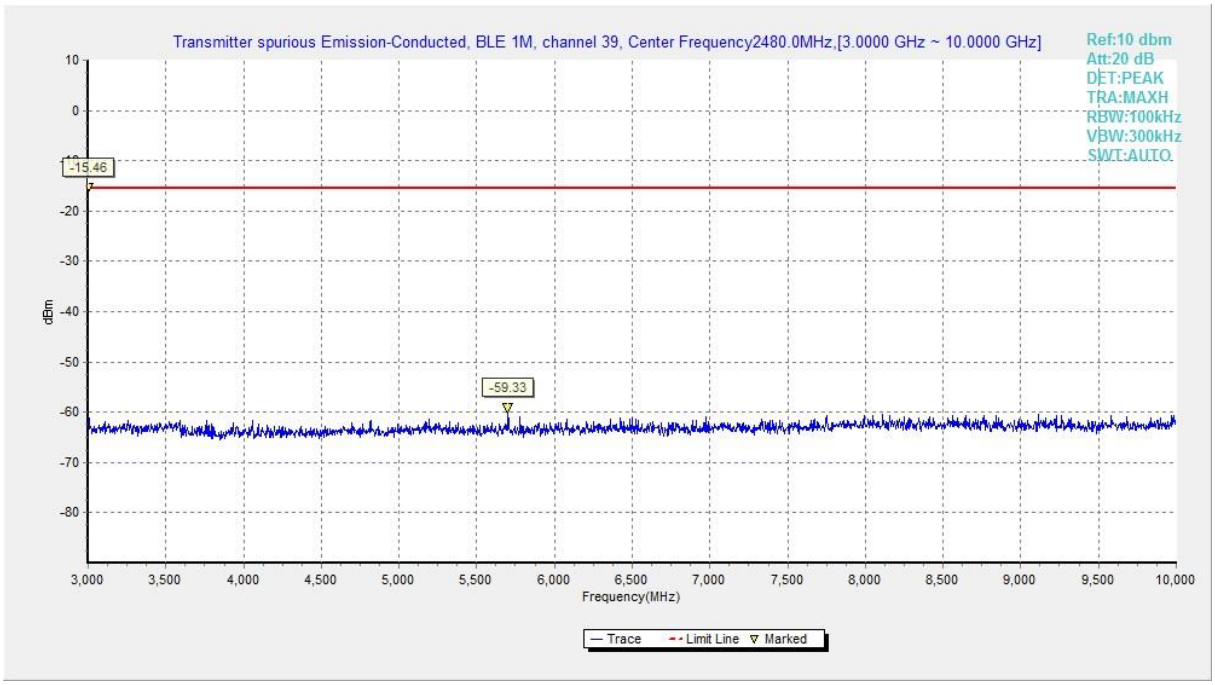

Fig.17 Conducted Spurious Emission (Ch39, 3 GHz-10 GHz), LE 1M

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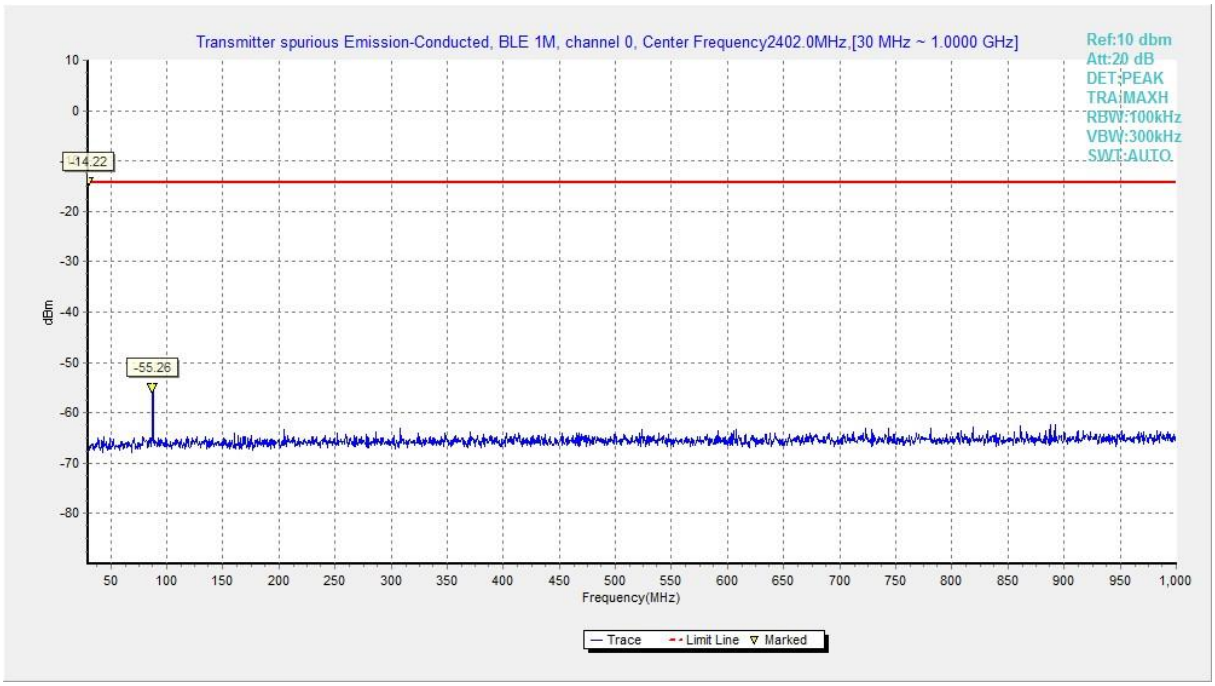

Fig.18 Conducted Spurious Emission (All channels, 30 MHz-1 GHz), LE 1M

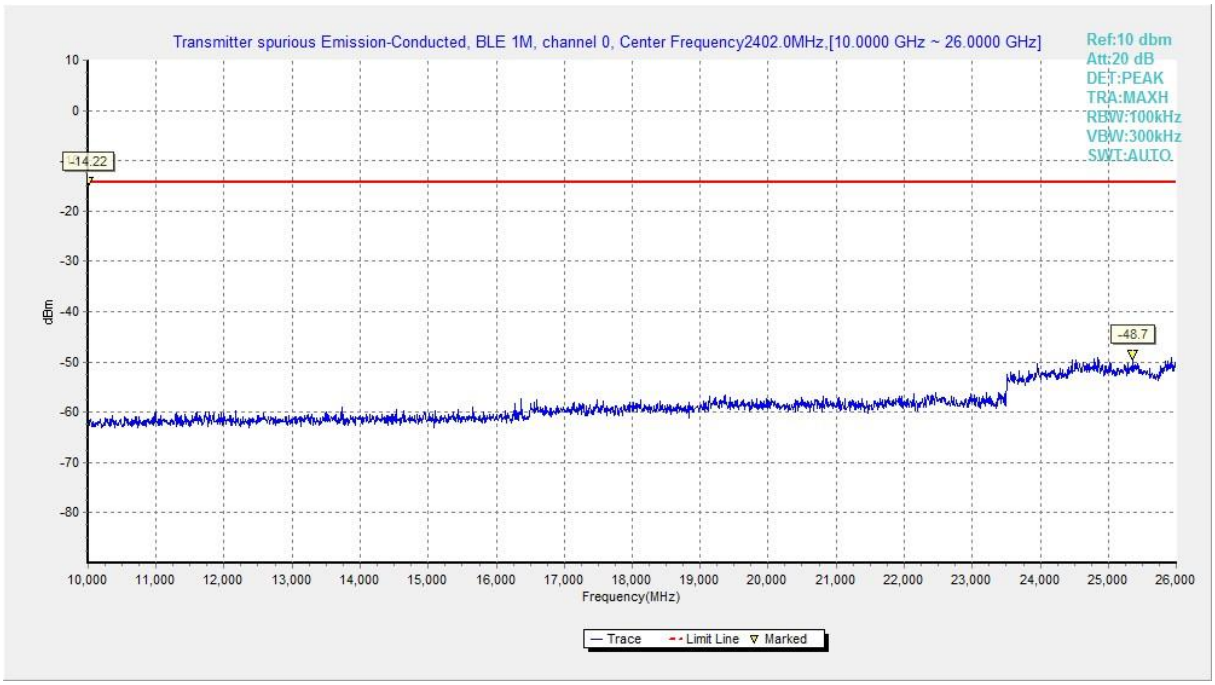

Fig.19 Conducted Spurious Emission (All channels, 10 GHz-26 GHz), LE 1M

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A.6 Transmitter Spurious Emission - Radiated

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247, 15.205, 15.209	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 of emission (MHz)	Field strength (μV/m)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Test Condition:

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

Frequency of emission (MHz)	RBW/VBW	Sweep Time (s)
30-1000	120kHz/300kHz	5
1000-4000	1MHz/3MHz	15
4000-18000	1MHz/3MHz	40
18000-26500	1MHz/3MHz	20

Note: According to the performance evaluation, the radiated emission margin of EUT is over 20dB in the band from 9kHz to 30MHz. Therefore, the measurement starts from 30MHz to tenth harmonic. The measurement results include the horizontal polarization and vertical polarization measurements.

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Measurement Results:

Mode	Channel	Frequency Range	Test Results	Conclusion
LE 1M	0	1 GHz ~ 18 GHz	Fig.20	**P**
	19	1 GHz ~ 18 GHz	Fig.21	**P**
	39	1 GHz ~ 18 GHz	Fig.22	**P**
	Restricted Band(CH0)	2.38 GHz ~ 2.45 GHz	Fig.23	**P**
	Restricted Band(CH39)	2.45 GHz ~ 2.5 GHz	Fig.24	**P**
	All channels	9 kHz ~30 MHz	Fig.25	**P**
		30 MHz ~1 GHz	Fig.26	**P**
		18 GHz ~ 26.5 GHz	Fig.27	**P**

Worst Case Result

LE 1M CH0 (1-18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB)
10419.857143	47.56	74.00	26.44	V	9.0
11494.714286	48.74	74.00	25.26	V	10.1
12546.000000	47.95	74.00	26.05	H	11.3
14867.142857	51.82	74.00	22.18	H	13.0
15882.857143	51.92	74.00	22.08	H	14.0
17010.857143	54.86	74.00	19.14	V	18.4

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB)
10419.857143	38.43	54.00	15.57	V	9.0
11494.714286	38.38	54.00	15.62	V	10.1
12546.000000	38.09	54.00	15.91	H	11.3
14867.142857	40.41	54.00	13.59	H	13.0
15882.857143	42.26	54.00	11.74	H	14.0
17010.857143	44.40	54.00	9.60	V	18.4

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of “reference path loss”, and Antenna Factor, the gain of the preamplifier, the cable loss. P_{Mea} is the field strength recorded from the instrument.

The measurement results are obtained as described below:

Result = P_{Mea} + Cable Loss + Antenna Factor - Gain of the preamplifier

See below for test graphs.

Conclusion: Pass

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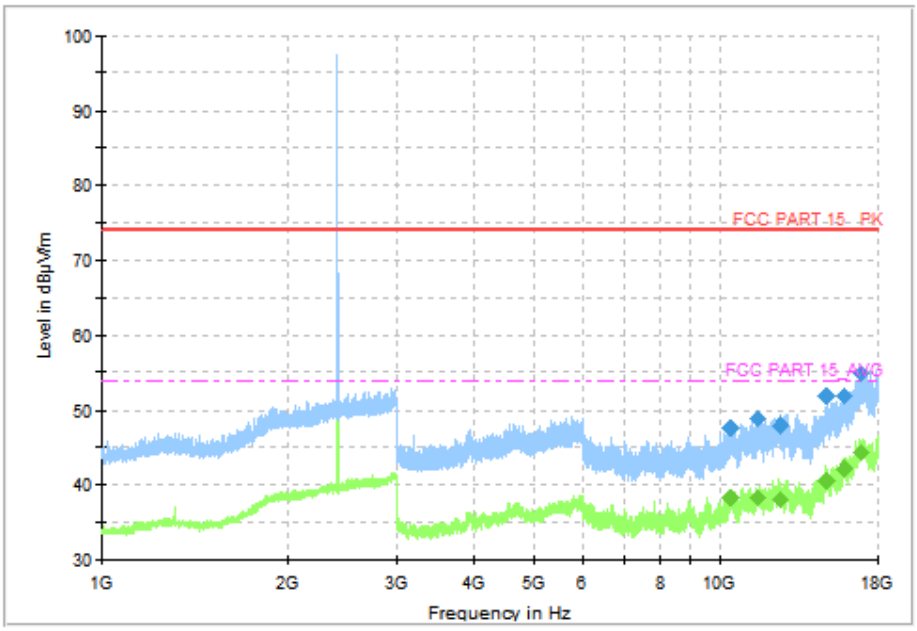

Fig.20 Radiated Spurious Emission (Ch0, 1 GHz - 18 GHz), LE 1M

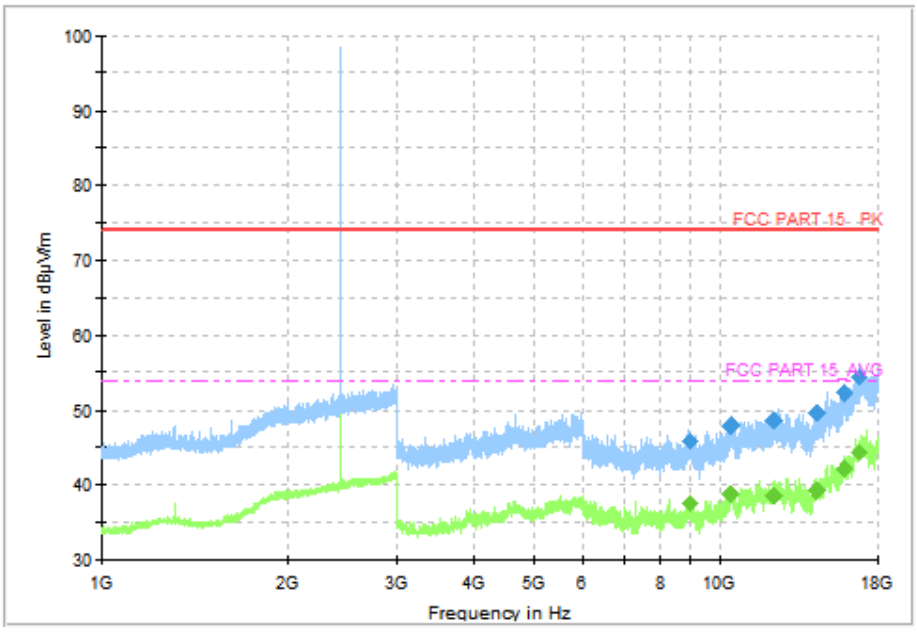

Fig.21 Radiated Spurious Emission (Ch19, 1 GHz - 18 GHz), LE 1M

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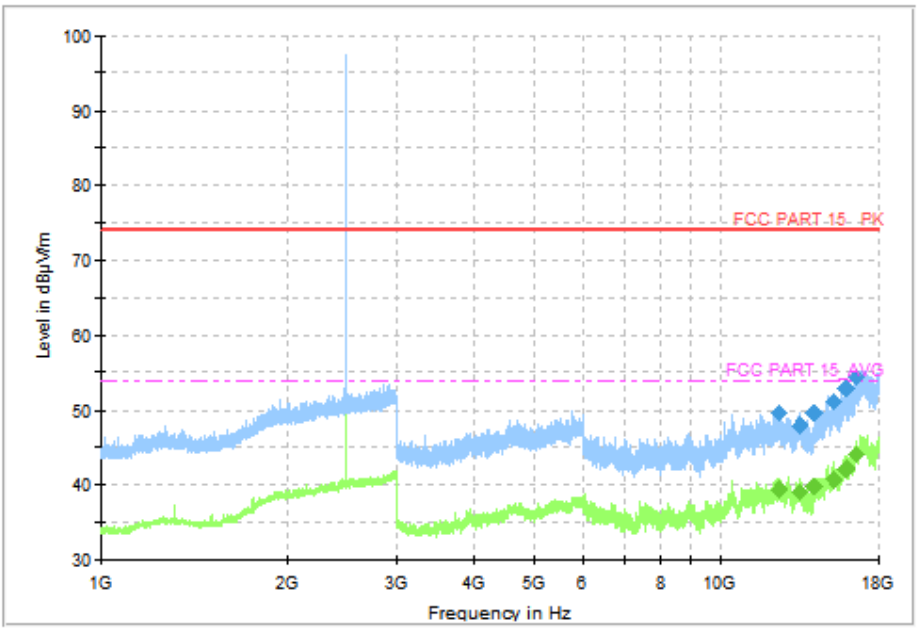

Fig.22 Radiated Spurious Emission (Ch39, 1 GHz - 18 GHz), LE 1M

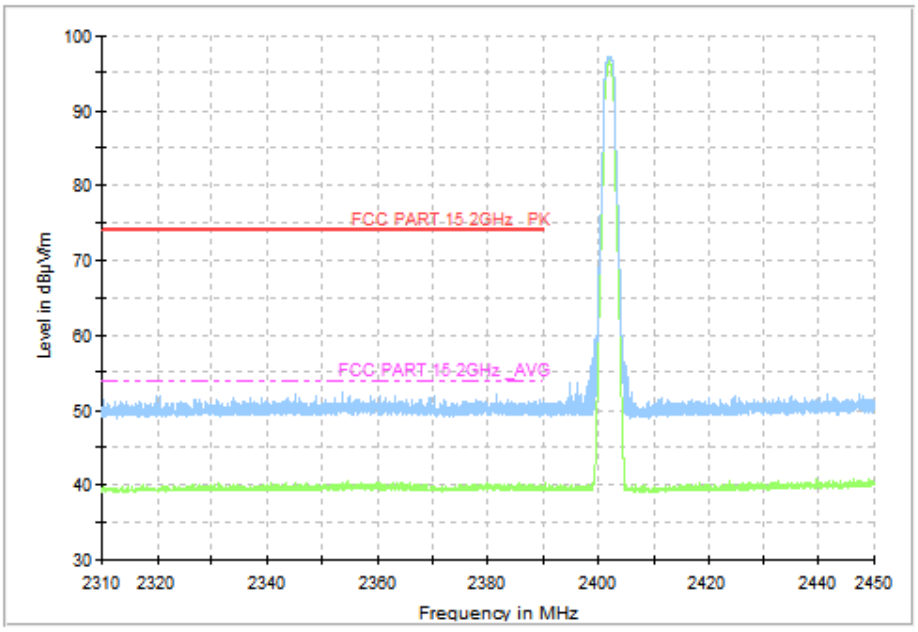

Fig.23 Radiated Band Edges (Ch0, 2380GHz - 2450GHz), 1M

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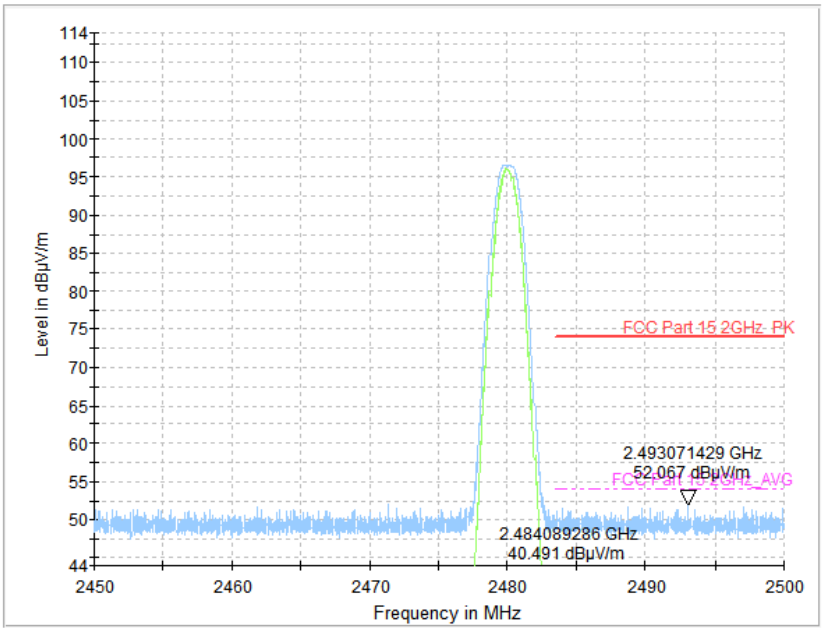

Fig.24 Radiated Band Edges (Ch39, 2450GHz - 2500GHz), 1M

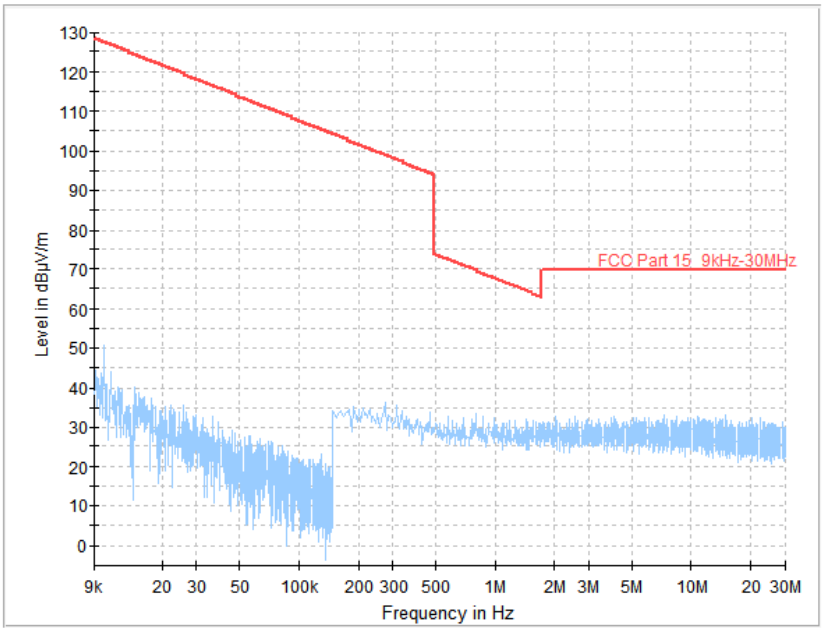

Fig.25 Radiated Spurious Emission (All Channels, 9 kHz-30 MHz), LE 1M

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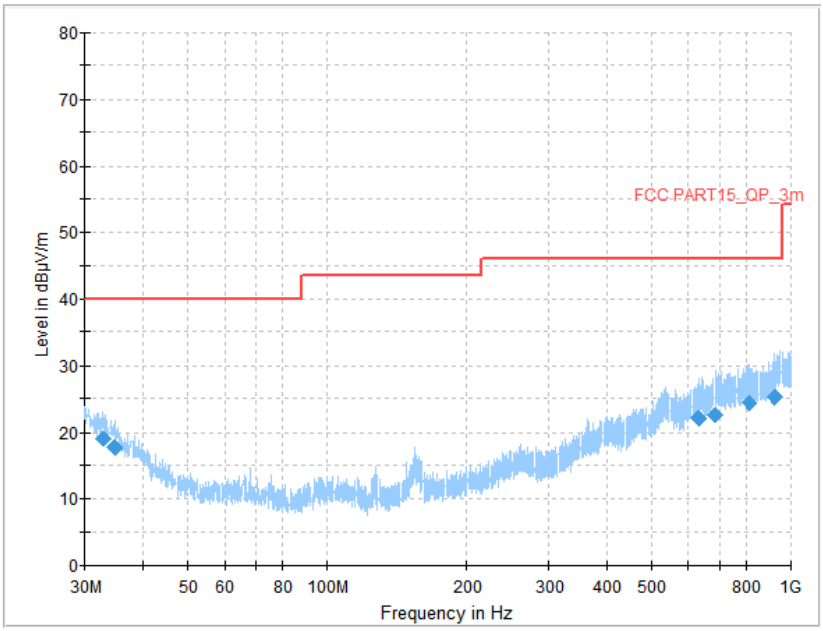

Fig.26 Radiated Spurious Emission (All Channels, 30 MHz-1 GHz), LE 1M

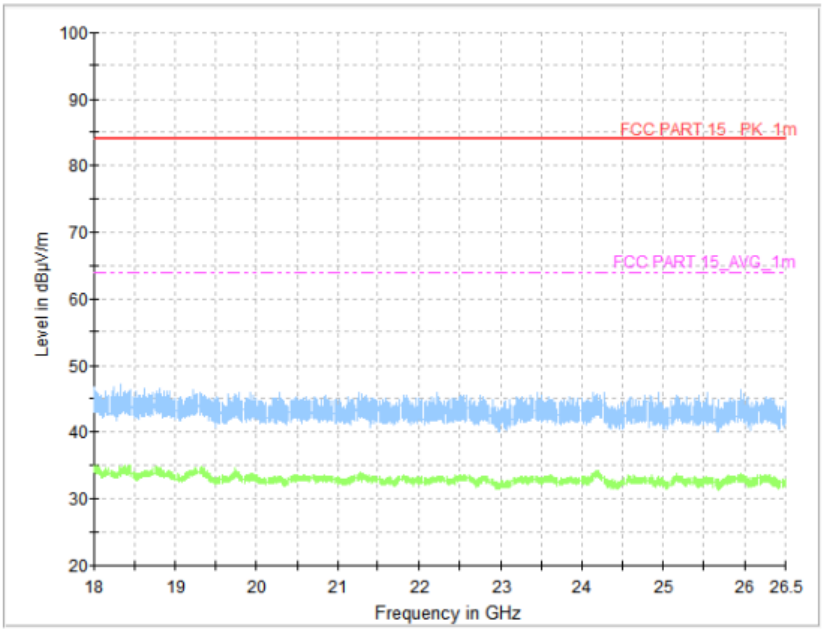

Fig.27 Radiated Spurious Emission (All Channels, 18 GHz-26.5 GHz), LE 1M

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A.7 AC Power line Conducted Emission

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

BLE -AE2, AE3, AE4

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average-peak Limit (dBμV)	Result (dBμV)		Conclusion
			Traffic	Idle	
0.15 to 0.5	66 to 56	56 to 46	Fig.28	Fig.29	**P**
0.5 to 5	56	46			
5 to 30	60	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.					

Note: The measurement results include the L1 and N measurements.

See below for test graphs.

Conclusion: Pass

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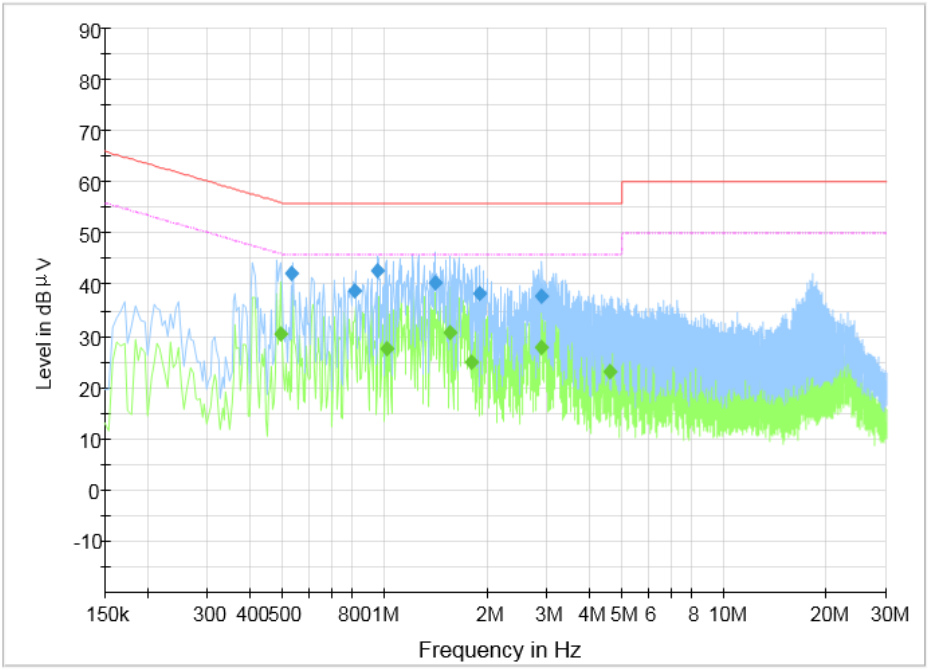

Fig.28 AC Power line Conducted Emission (Traffic), LE 1M

Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.533550	42.16	56.00	13.84	L1	ON	9.5
0.814993	38.76	56.00	17.24	L1	ON	9.5
0.955950	42.85	56.00	13.15	L1	ON	9.5
1.412464	40.35	56.00	15.65	L1	ON	9.6
1.906886	38.33	56.00	17.67	L1	ON	9.6
2.895964	37.72	56.00	18.28	L1	ON	9.6

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.495407	30.31	46.08	15.77	L1	ON	9.5
1.015886	27.62	46.00	18.38	L1	ON	9.6
1.552714	30.7	46.00	15.30	L1	ON	9.6
1.804307	24.78	46.00	21.22	N	ON	9.6
2.895964	27.68	46.00	18.32	L1	ON	9.6
4.584621	23.03	46.00	22.97	L1	ON	9.6

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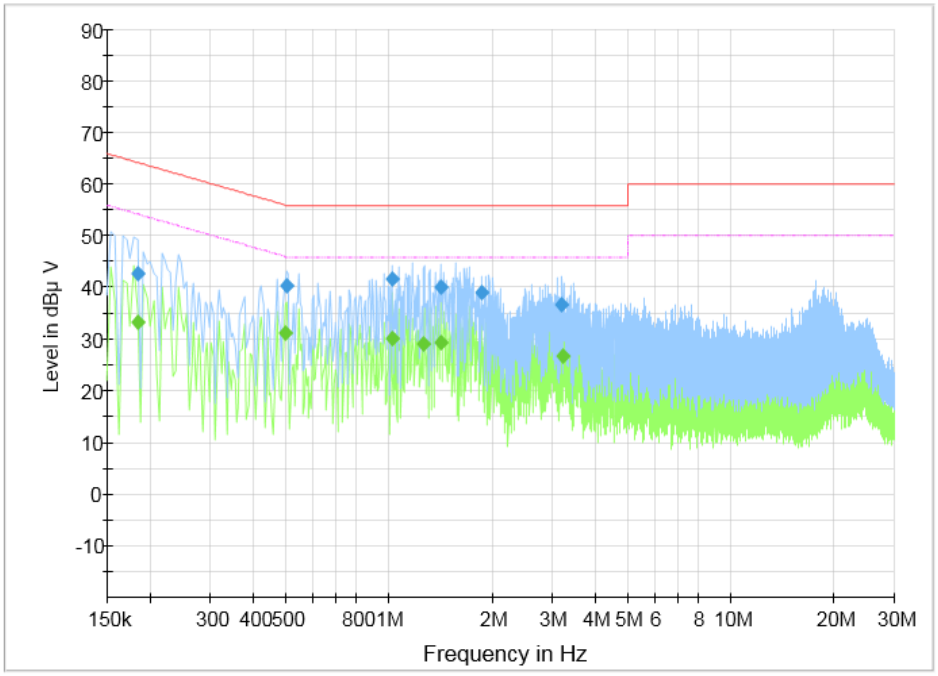

Fig.29 AC Power line Conducted Emission (Idle), LE 1M

Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.18435	42.68	64.29	21.61	L1	ON	9.5
0.503936	40.47	56.00	15.53	L1	ON	9.5
1.024414	41.57	56.00	14.43	L1	ON	9.6
1.420993	40.23	56.00	15.77	L1	ON	9.6
1.868507	39.04	56.00	16.96	L1	ON	9.6
3.202993	36.81	56.00	19.19	L1	ON	9.6

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.18435	33.41	54.29	20.88	L1	ON	9.5
0.499436	31.19	46.01	14.82	L1	ON	9.5
1.019914	30.27	46.00	15.73	L1	ON	9.6
1.267007	29.02	46.00	16.98	L1	ON	9.6
1.420993	29.26	46.00	16.74	L1	ON	9.6
3.211993	26.66	46.00	19.34	L1	ON	9.6

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

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ANNEX- Spot Check of Output Power

Company Name: HMD Global Oy
Product Name: Smart Phone
Model Name: TA-1471(FCC ID: 2AJOTTA-1471)、TA-1446(FCC ID: 2AJOTTA-1446)

Differences between models

TA-1446 is a variant of TA-1471. The main difference between them is that TA-1471 is dual SIM and TA-1446 is Single SIM.

Spot Check of Different Mode

Model	Mode	Frequency (MHz)	Conducted Output Power（dBm）
TA-1471	LE 1M	2402(CH0)	6.87
	BR(GFSK)	2402(CH0)	7.31
	802.11b	2437 (CH6)	16.40
TA-1446	LE 1M	2402(CH0)	6.93
	BR(GFSK)	2402(CH0)	7.26
	802.11b	2437 (CH6)	16.11

Note: Spot check test data included for the variants based on worst-case results reported in the original.
From the above data, it can be concluded that the conducted output power of the variant is less than or near to the original. And the variant test data can refer to the original report (***I21N04075***).

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