TEST REPORT

No. I20N01092-BLE

TCL Communication Ltd.

Tablet PC

Model Name: 9013A

with

Hardware Version: PIO

Software Version: 1F12

FCC ID: 2ACCJBT18

Issued Date: 2020-06-10

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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1. Summary of Test Report

1.1. Test Items

Description	Tablet PC
Model Name	9013A
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part15-2019; ANSI C63.10-2013

1.3. Test Result

Pass

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:	2020-05-06
Testing End Date:	2020-05-29

1.6. Signature

An Ran

(Prepared this test report)

Tang Weisheng

(Reviewed this test report)

Zhang Bojun

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact Person	Gong Zhizhou
E-Mail	zhizhou.gong@tcl.com
Telephone:	0086-755-36611722
Fax:	0086-755-36612000-81722

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact Person	Gong Zhizhou
E-Mail	zhizhou.gong@tcl.com
Telephone:	0086-755-36611722
Fax:	0086-755-36612000-81722

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

3.1. About EUT

Description	Tablet PC
Model Name	9013A
Brand Name	Alcatel
Frequency Range	2400MHz~2483.5MHz
Type of Modulation	GFSK/ π /4 DQPSK/8DPSK
Number of Channels	79
Antenna Type	Integrated
Antenna Gain	1.08dBi
Power Supply	3.8V DC by Battery
FCC ID	2ACCJBT18
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 used during the test

EUT ID*	IMEI	HW Version	SW Version	Receive Date
UT10aa	355827110200109	PIO	1F12	2020-04-30
UT11aa	355827110200117	PIO	1F12	2020-04-30

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	Type
AE1	Battery	TLp025F7
AE2-1	Charger	UC11US(CBA0058AGAC5)
AE2-2	Charger	UC11US(CBA0058AGAC7)

*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 Tablet PC with integrated antenna and battery.
It consists of normal options: Lithium Battery, Charger and Headset.
Manual and specifications of the EUT were provided to fulfil the test.
Samples undergoing test were selected by the client.

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

5. Test Results

5.1. Testing Environment

Normal Temperature: 15~35℃

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.

6. Test Equipments Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2021-01-15	1 year
2	Power Sensor	U2021XA	MY55430013	Agilent	2021-01-15	1 year
3	Data Acquisiton	U2531A	TW55443507	Agilent	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Date	Calibration Period
1	LISN	ESH2-Z5	100196	R&S	2021-01-02	1 year
2	Test Receiver	ESCI	100701	R&S	2020-08-06	1 year
3	Loop Antenna	HLA6120	35779	TESEQ	2022-05-01	3 year
4	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2021-02-16	3 year
5	Horn Antenna	3117	00066585	ETS-Lindgren	2022-03-04	3 year
6	Test Receiver	ESR7	101675	R&S	2020-07-18	1 year
7	Spectrum Analyzer	FSP 40	100378	R&S	2020-12-12	1 year
8	Chamber	FACT5-2.0	4166	ETS-Lindgren	2021-05-12	3 year
9	Antenna	QSH-SL-1 8-26-S-20	17013	Q-par	2021-01-14	3 year
10	Antenna	QSH-SL-2 6-40-K-20	17014	Q-par	2021-01-10	3 year

Test software

No.	Equipment	Manufacturer	Version
1	TechMgr Software	CAICT	2.1.1
2	EMC32	Rohde & Schwarz	8.53.0
3	EMC32	Rohde & Schwarz	10.01.00

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

7. Laboratory Environment

Semi-anechoic chambe

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 15 %, 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 ℃, Max. = 35 ℃
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 ℃, Max. = 35 ℃
Relative humidity	Min. = 15 %, 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

8. Measurement Uncertainty

Test Name	Uncertainty *(k=2)*	
1. RF Output Power - Conducted	1.32dB	
2. Power Spectral Density - Conducted	2.32dB	
3. Occupied channel bandwidth - Conducted	66Hz	
4. Transmitter Spurious Emission - Conducted	30MHz≤f≤1GHz	1.41dB
	1GHz≤f≤7GHz	1.92dB
	7GHz≤f≤13GHz	2.31dB
	13GHz≤f≤26GHz	2.61dB
5. Transmitter Spurious Emission - Radiated	9kHz≤f≤30MHz	1.70dB
	30MHz≤f≤1GHz	4.90dB
	1GHz≤f≤18GHz	4.60dB
	18GHz≤f≤40GHz	4.10dB
6. AC Power line Conducted Emission	150kHz≤f≤30MHz	3.00dB

ANNEX A: Detailed Test Results

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 1.08 dBi. The RF transmitter uses an integrate antenna without connector.

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:

LE-1M

Mode	Frequency (MHz)	Peak Conducted Output Power (dBm)	E.I.R.P (dBm)	Conclusion
GFSK	2402 (CH0)	5.85	6.93	**P**
	2440 (CH19)	6.10	7.18	**P**
	2480 (CH39)	6.03	7.11	**P**

Conclusion: Pass

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	-8.89	**P**
	2440 (CH19)	Fig.2	-8.78	**P**
	2480 (CH39)	Fig.3	-8.95	**P**

See below for test graphs.

Conclusion: PASS

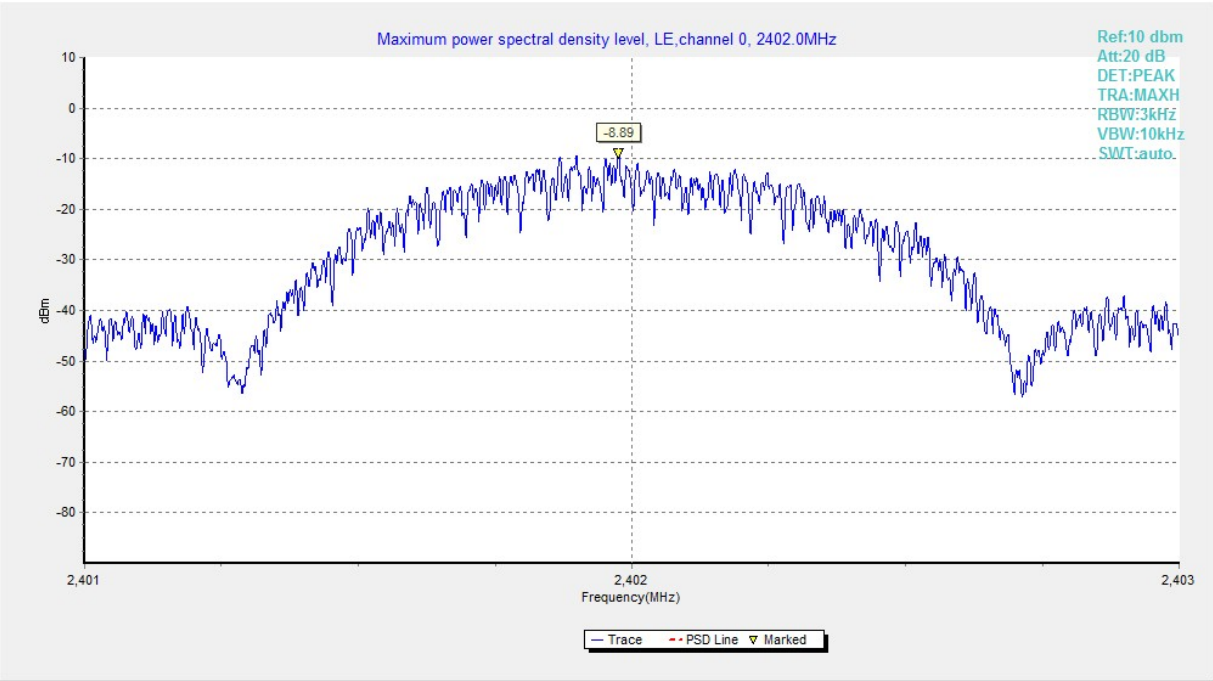

Fig.1 Power Spectral Density (Ch 0), LE 1M

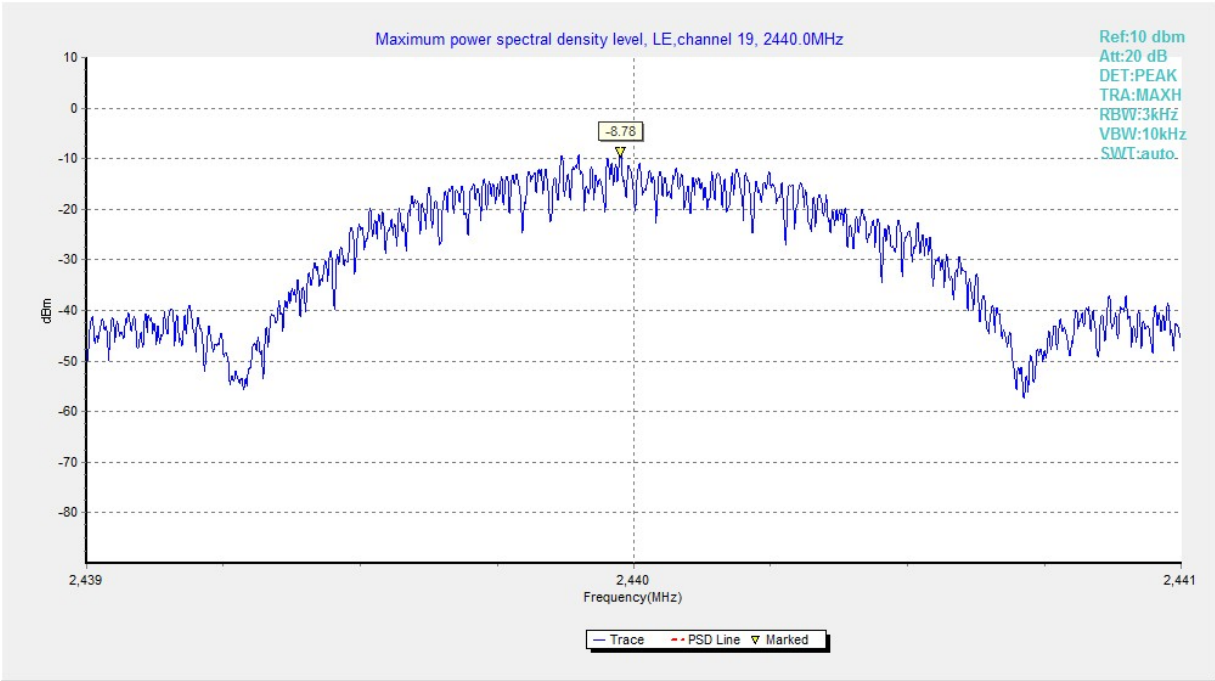

Fig.2 Power Spectral Density (Ch 19), LE 1M

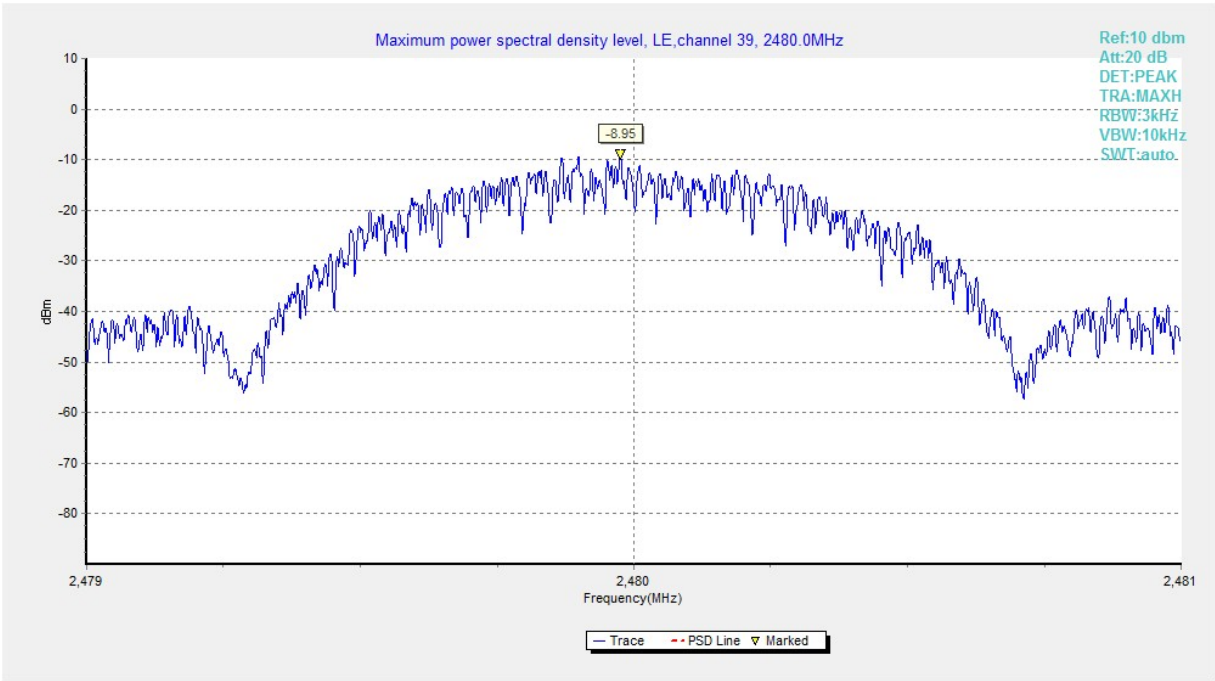

Fig.3 Power Spectral Density (Ch 39), LE 1M

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	678.50	**P**
	2440 (CH19)	Fig.5	680.00	**P**
	2480 (CH39)	Fig.6	674.00	**P**

See below for test graphs.

Conclusion: PASS

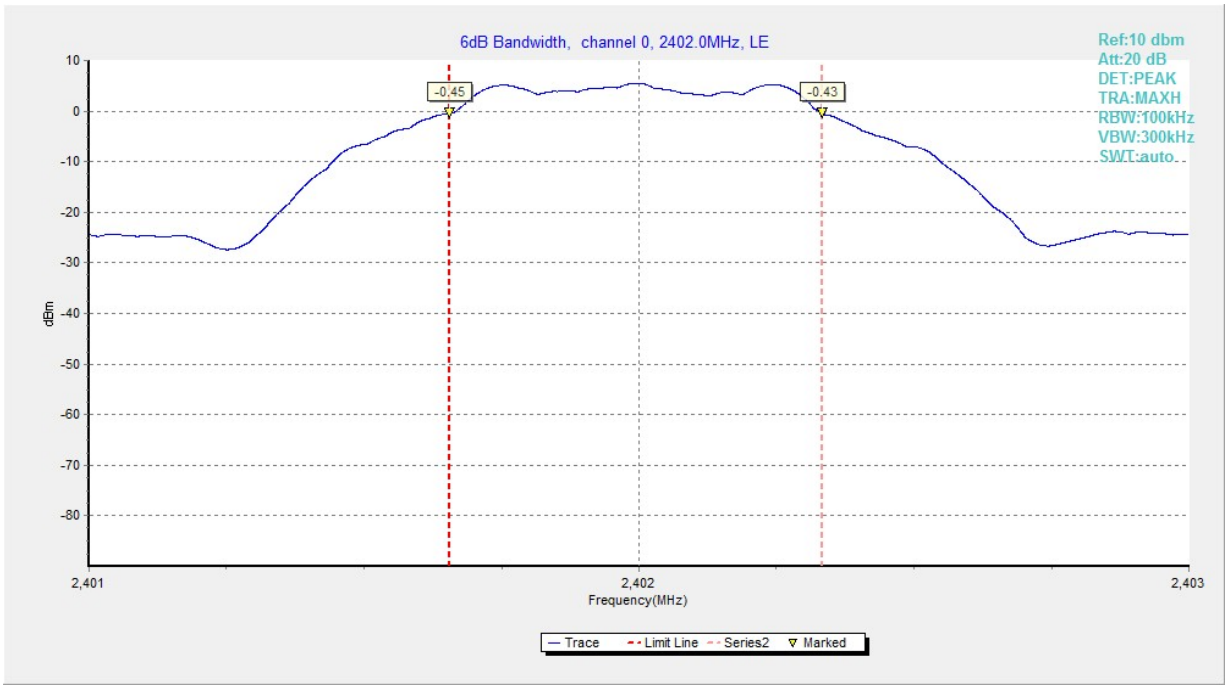

Fig.4 6dB Bandwidth (Ch 0), LE 1M

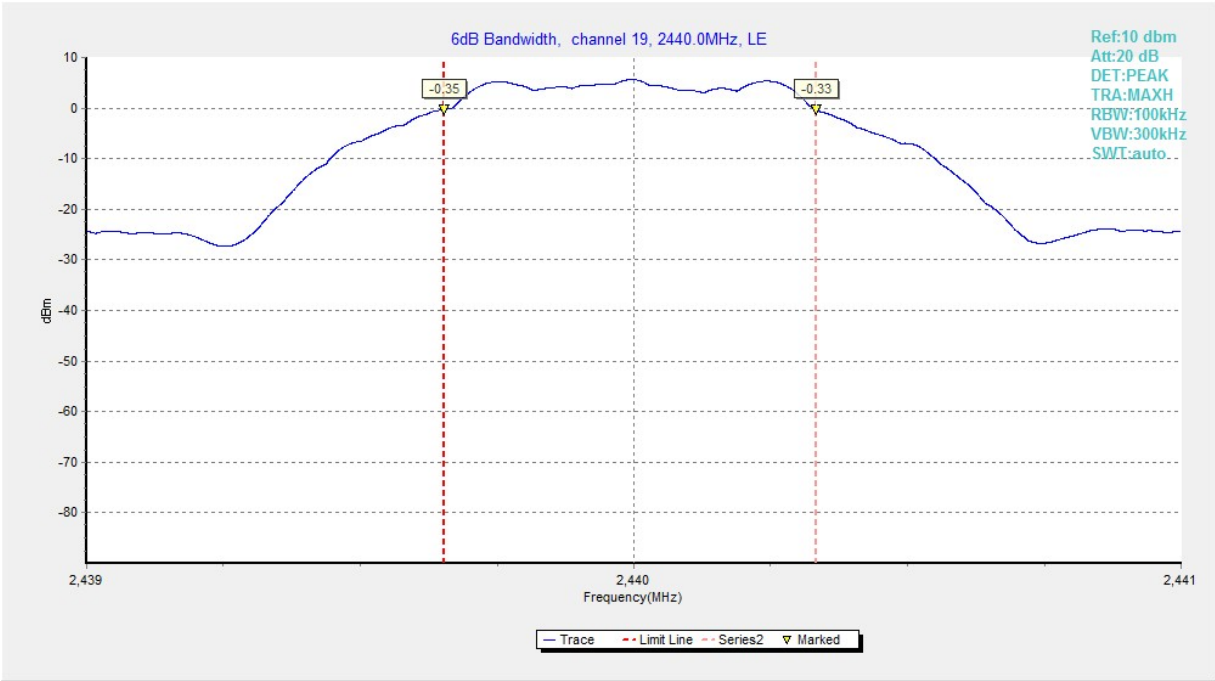

Fig.5 6dB Bandwidth (Ch 19), LE 1M

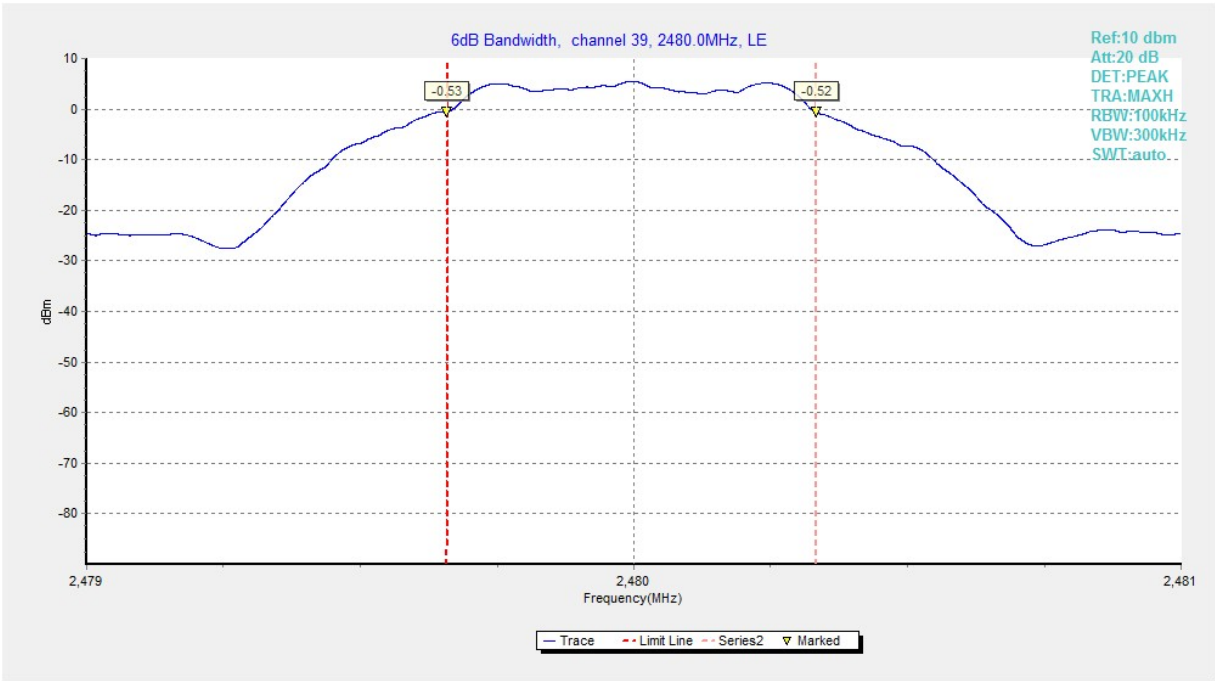

Fig.6 6dB Bandwidth (Ch 39), LE 1M

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.10	57.73	**P**
	2480 (CH39)	Fig.11	65.57	**P**

See below for test graphs.

Conclusion: Pass

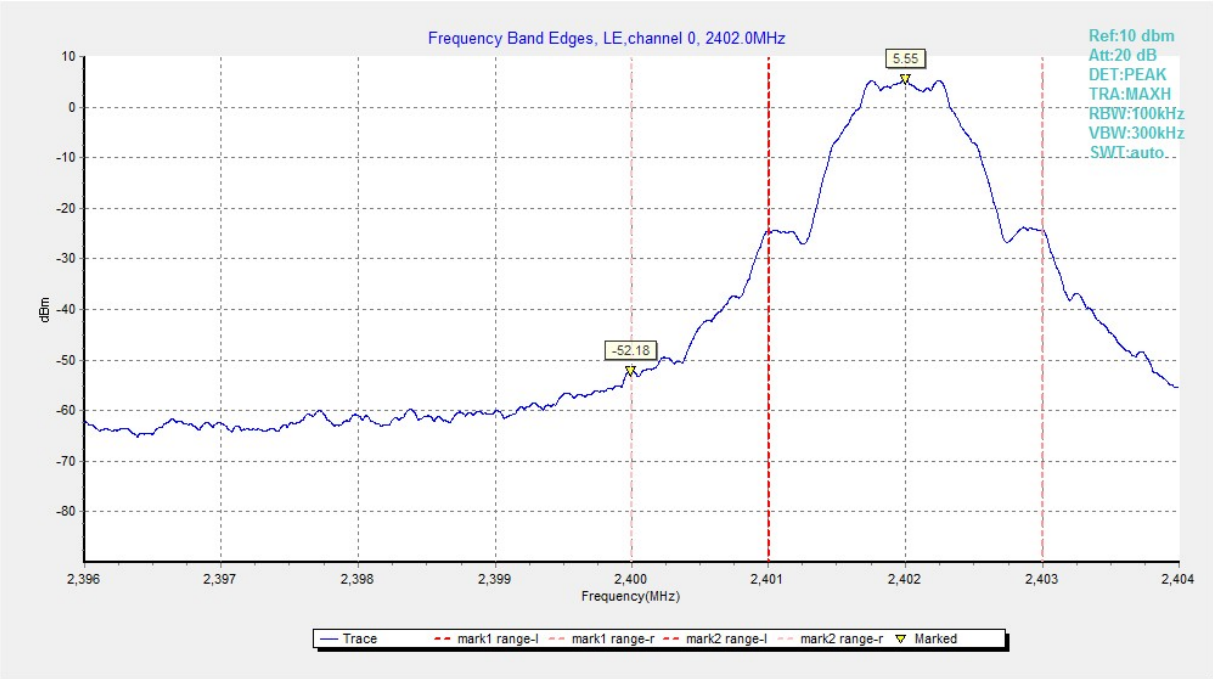

Fig.7 Band Edges (Ch 0), LE 1M

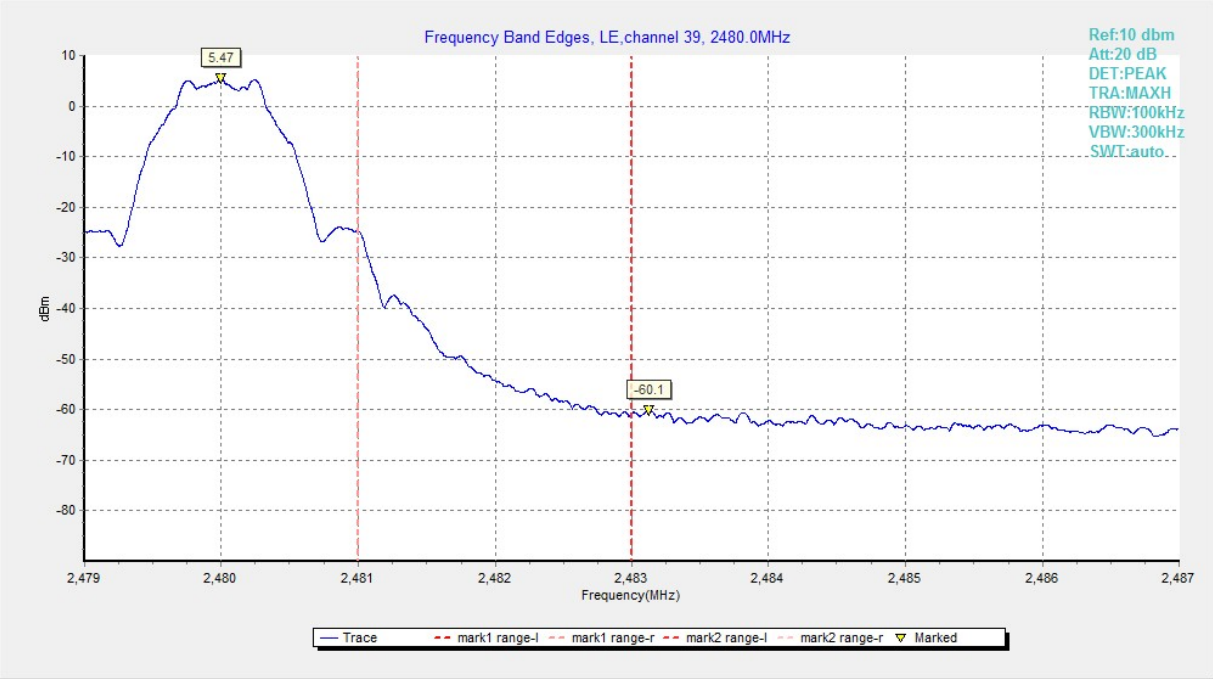

Fig.8 Band Edges (Ch 39), LE 1M

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.12	**P**
		1 GHz ~ 3 GHz	Fig.13	**P**
		3 GHz ~ 10 GHz	Fig.14	**P**
	19	2.440 GHz	Fig.15	**P**
		1 GHz ~ 3 GHz	Fig.16	**P**
		3 GHz ~ 10 GHz	Fig.17	**P**
	39	2.480 GHz	Fig.18	**P**
		1 GHz ~ 3 GHz	Fig.19	**P**
		3 GHz ~ 10 GHz	Fig.20	**P**
	All channels	30 MHz ~ 1 GHz	Fig.21	**P**
		10 GHz ~ 26 GHz	Fig.22	**P**

See below for test graphs.

Conclusion: Pass

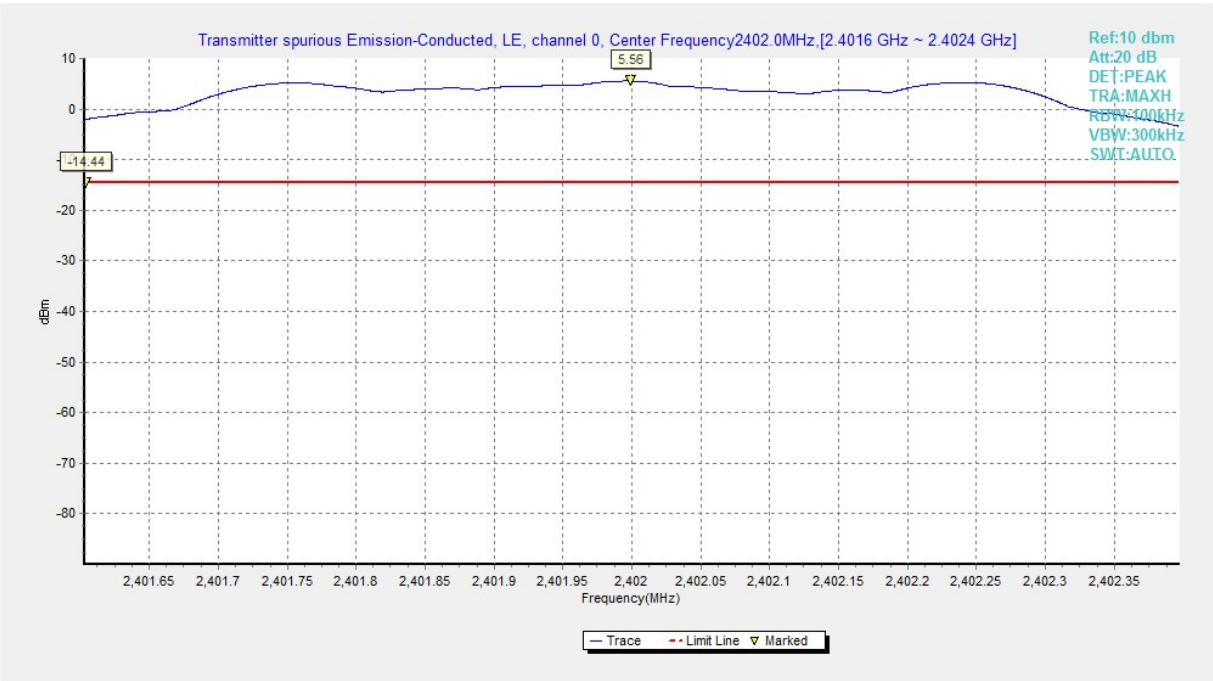

Fig.9 Conducted Spurious Emission (Ch0, Center Frequency), LE 1M

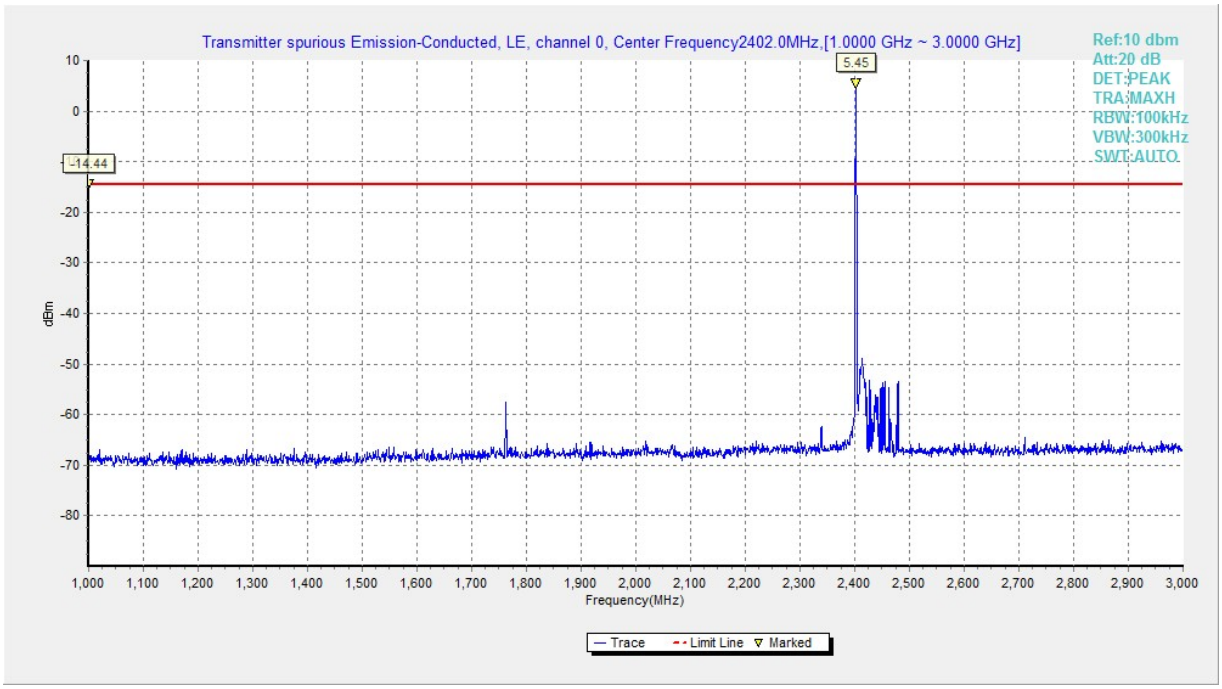

Fig.10 Conducted Spurious Emission (Ch0, 1 GHz-3 GHz), LE 1M

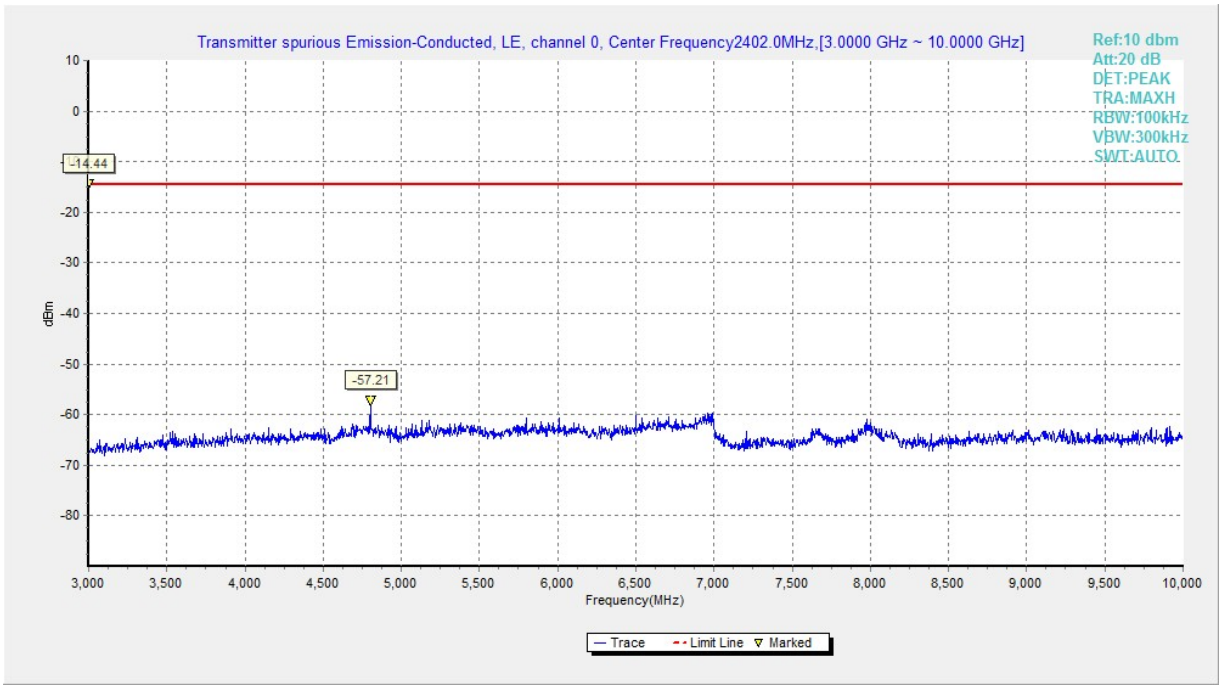

Fig.11 Conducted Spurious Emission (Ch0, 3 GHz-10 GHz), LE 1M

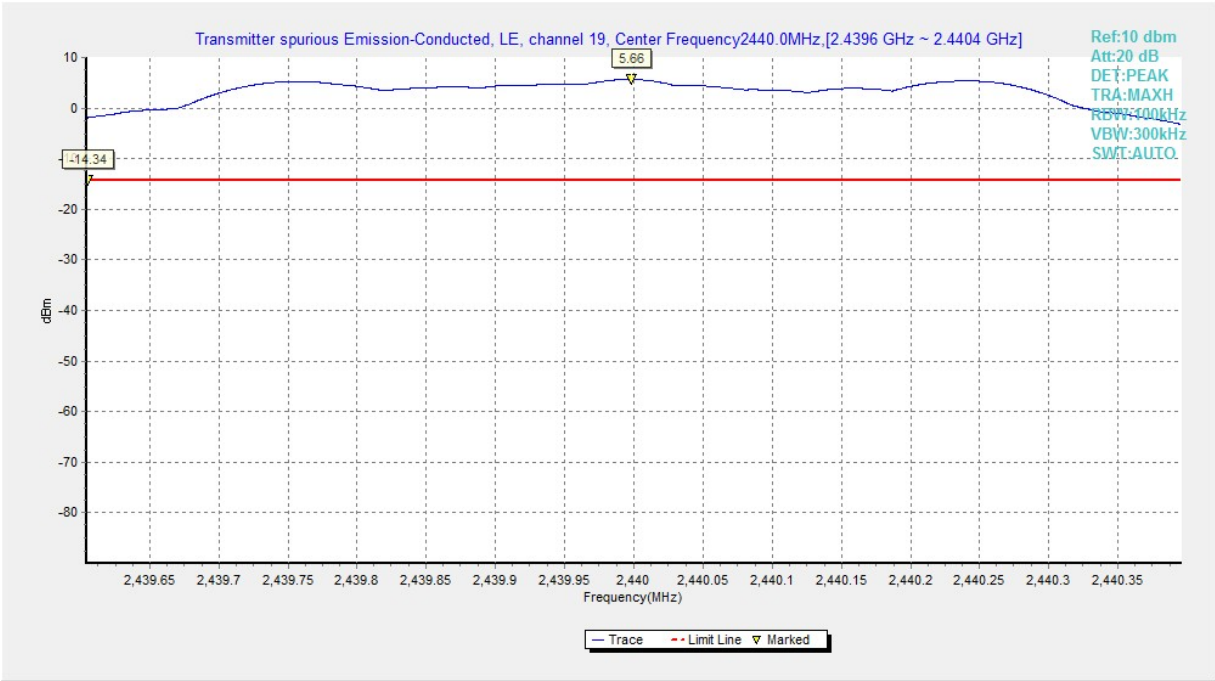

Fig.12 Conducted Spurious Emission (Ch19, Center Frequency), LE 1M

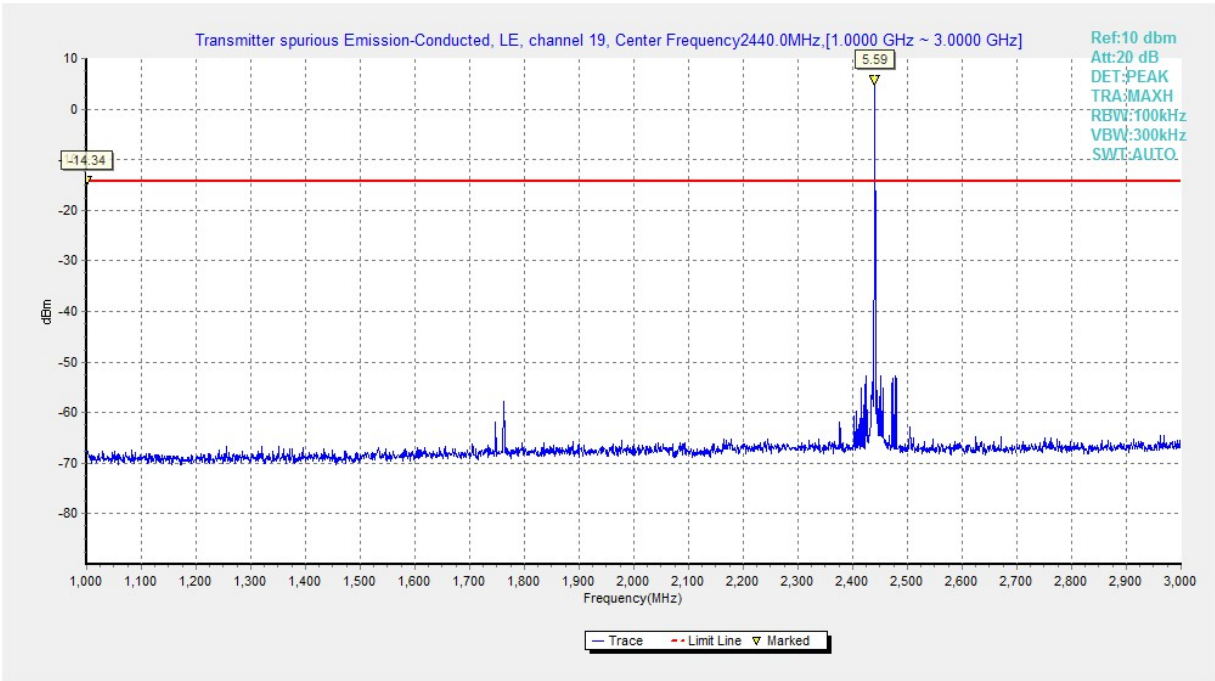

Fig.13 Conducted Spurious Emission (Ch19, 1 GHz-3 GHz), LE 1M

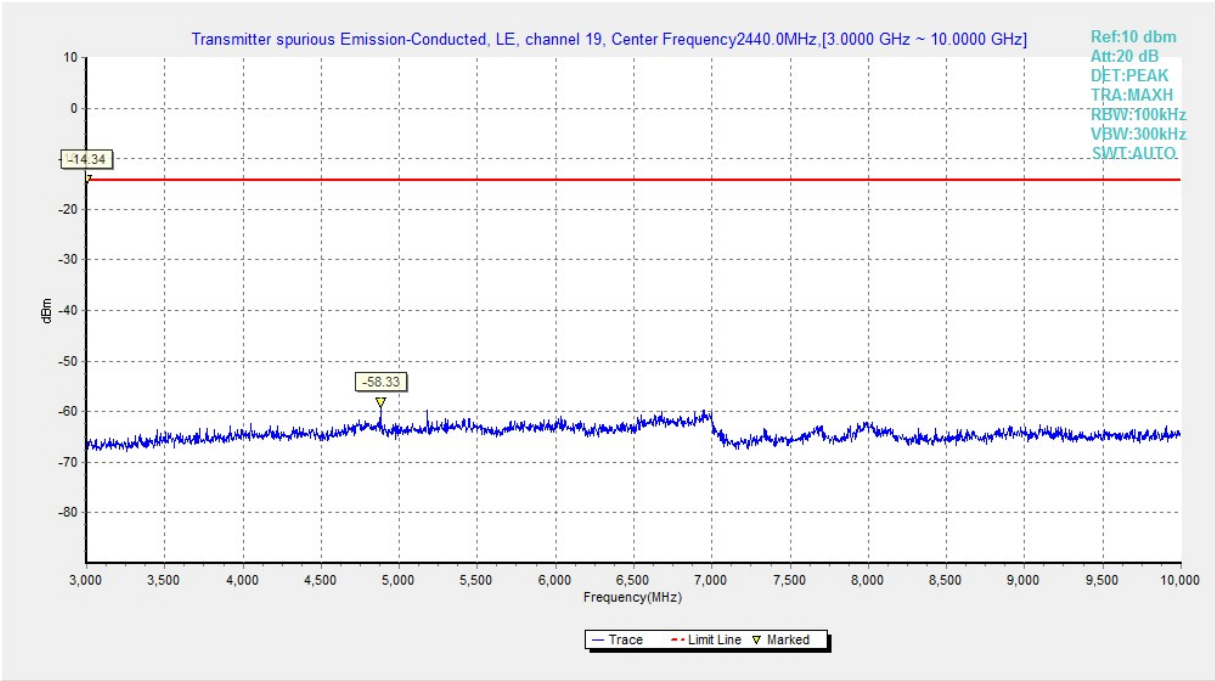

Fig.14 Conducted Spurious Emission (Ch19, 3 GHz-10 GHz), LE 1M

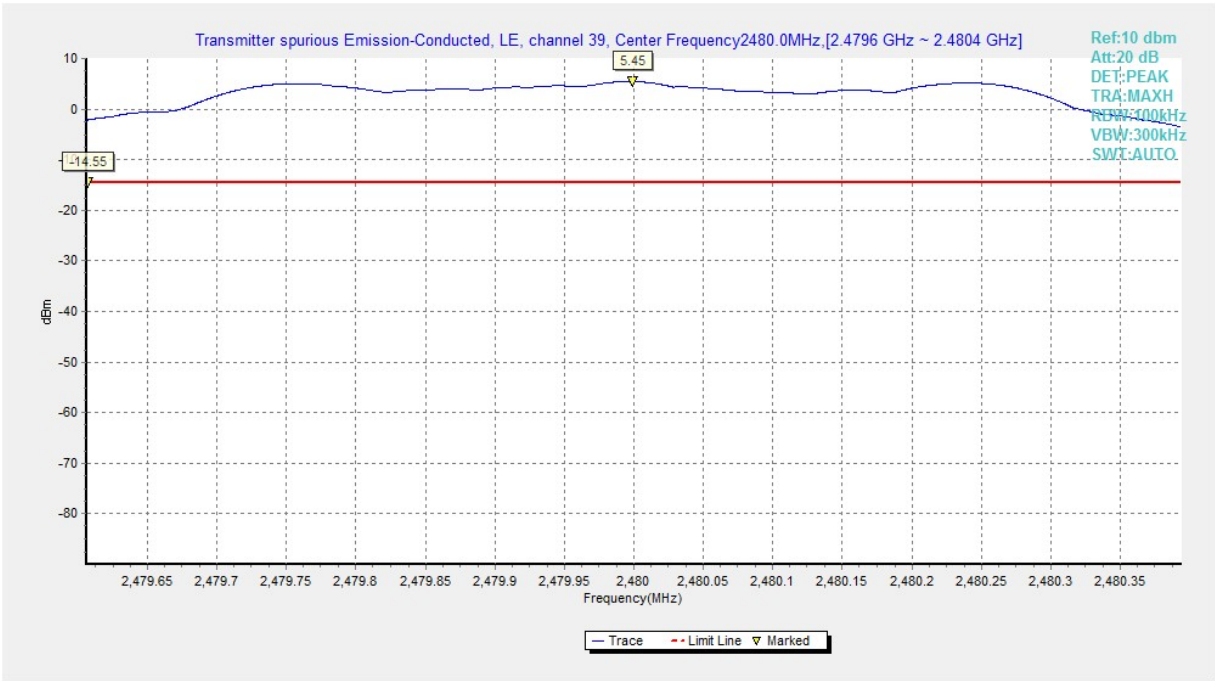

Fig.15 Conducted Spurious Emission (Ch39, Center Frequency), LE 1M

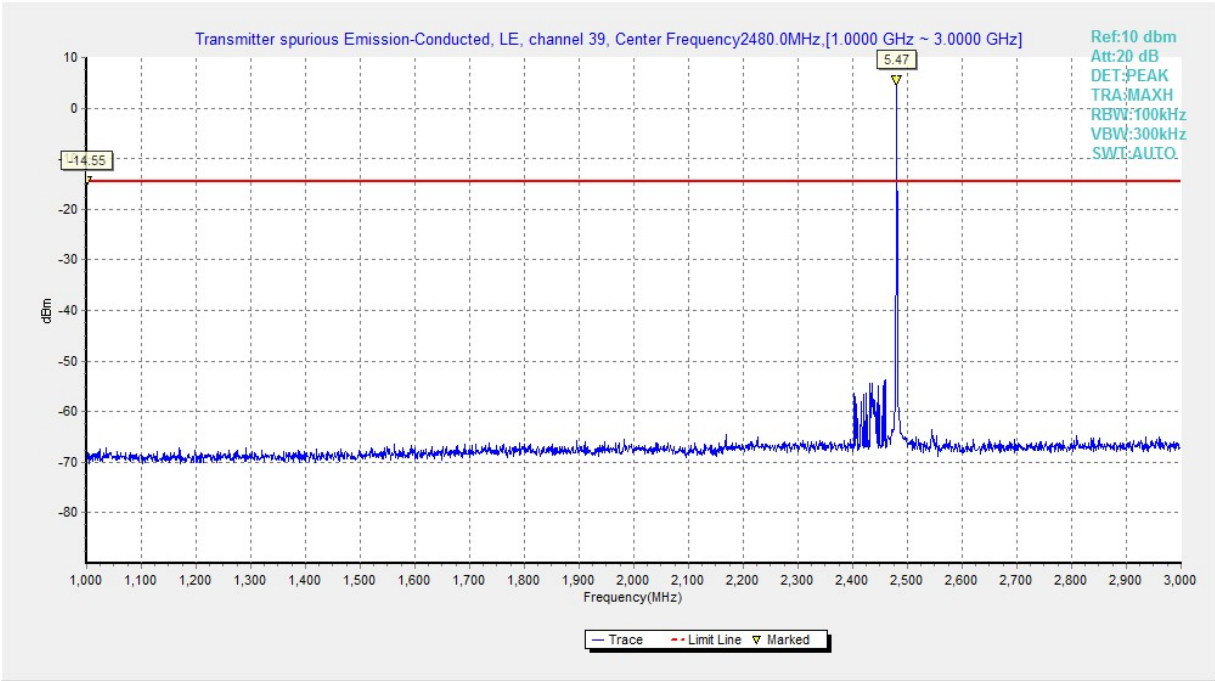

Fig.16 Conducted Spurious Emission (Ch39, 1 GHz-3 GHz), LE 1M

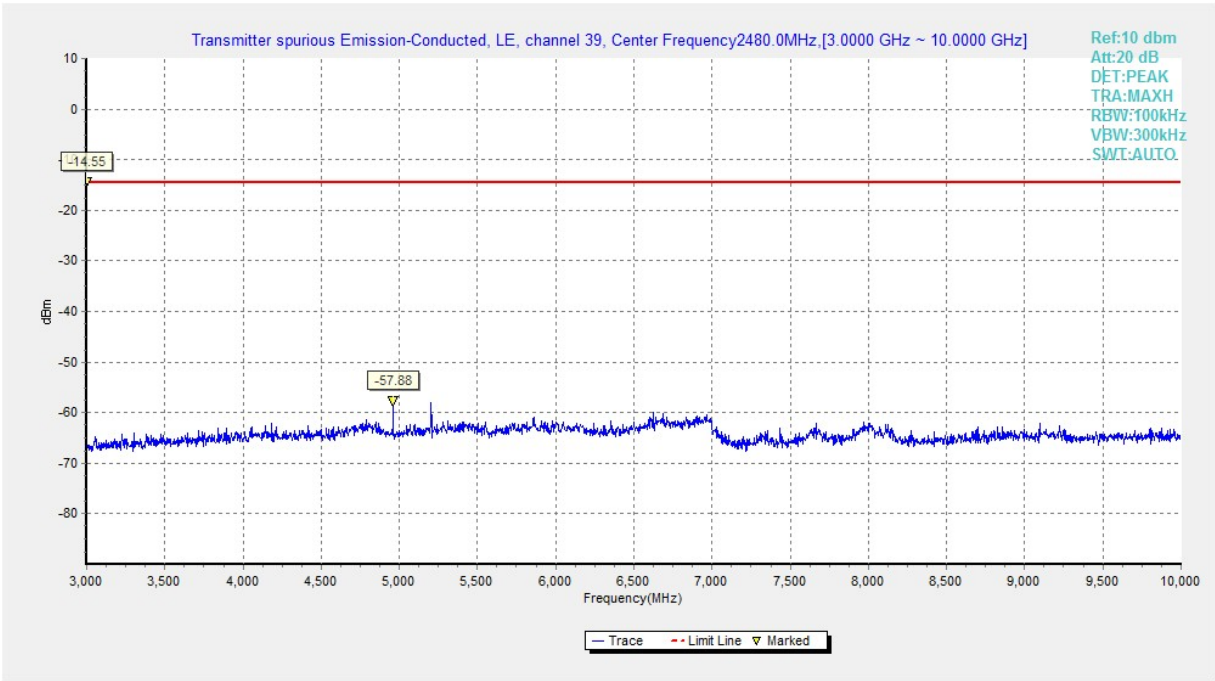

Fig.17 Conducted Spurious Emission (Ch39, 3 GHz-10 GHz), LE 1M

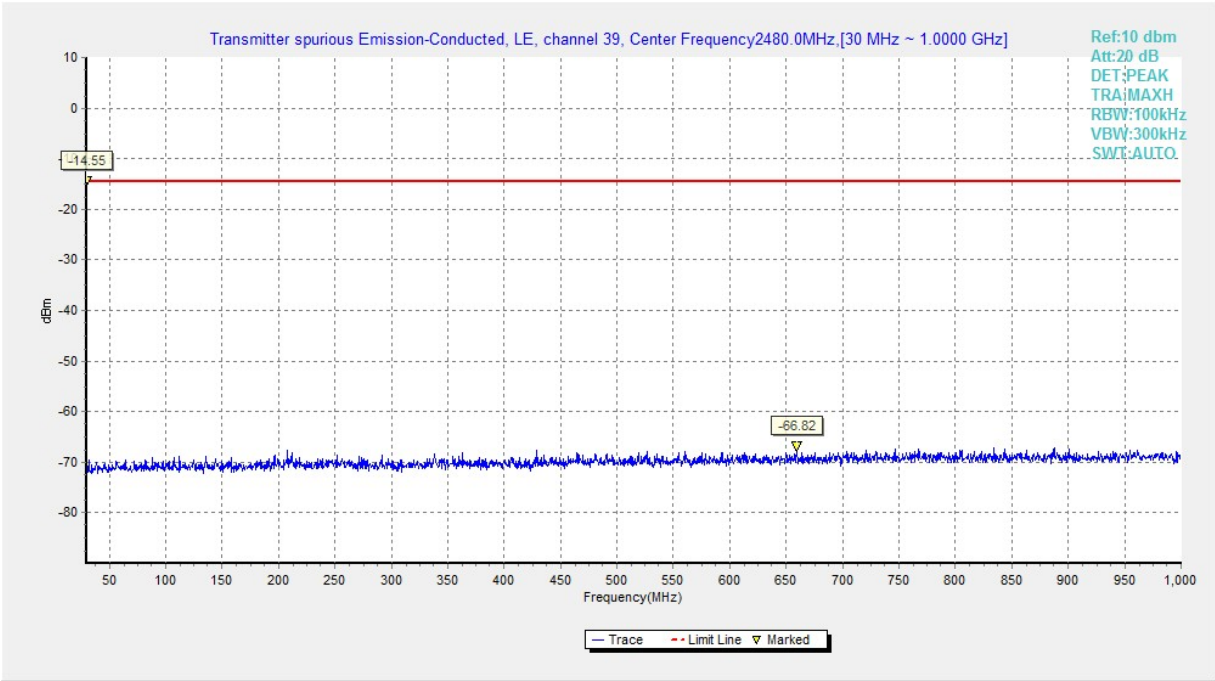

Fig.18 Conducted Spurious Emission (All channels, 30 MHz-1 GHz), LE 1M

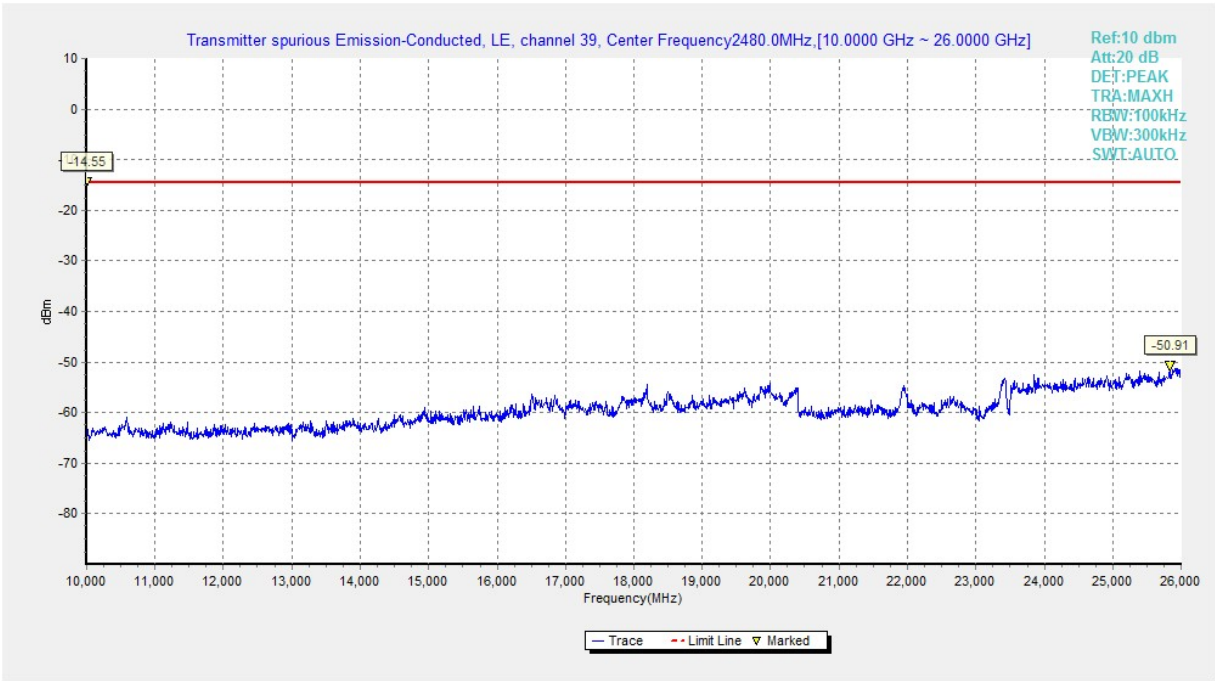

Fig.19 Conducted Spurious Emission (All channels, 10 GHz-26 GHz), LE 1M

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.

Measurement Results:

Mode	Channel	Frequency Range	Test Results	Conclusion
LE-1M	0	1 GHz ~ 3 GHz	Fig.23	**P**
		3 GHz ~ 18 GHz	Fig.24	**P**
	19	9 kHz ~ 30 MHz	Fig.25	**P**
		30 MHz ~ 1 GHz	Fig.26	**P**
		1 GHz ~ 3 GHz	Fig.27	**P**
		3 GHz ~ 18 GHz	Fig.28	**P**
		18 GHz ~ 26.5 GHz	Fig.29	**P**
	39	1 GHz ~ 3 GHz	Fig.30	**P**
		3 GHz ~ 18 GHz	Fig.31	**P**
	Restricted Band(CH0)	2.38 GHz ~ 2.45 GHz	Fig.32	**P**
	Restricted Band(CH39)	2.45 GHz ~ 2.5 GHz	Fig.33	**P**

See below for test graphs.

Conclusion: Pass

LE-1M

GFSK CH0 (3-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
7487.500000	44.05	74.00	29.95	V	2.1
9818.500000	45.29	74.00	28.71	H	4.4
10243.500000	46.41	74.00	27.59	H	5.2
13126.500000	47.80	74.00	26.20	H	8.5
14509.500000	49.43	74.00	24.57	H	11.5
17858.500000	51.85	74.00	22.15	V	16.1

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4803.500000	32.74	54.00	21.26	H	-1.1
9826.000000	33.32	54.00	20.68	V	4.4
11484.500000	34.12	54.00	19.88	H	5.9
12933.000000	35.77	54.00	18.23	V	8.6
14504.500000	37.35	54.00	16.65	V	11.5
17896.500000	39.94	54.00	14.06	H	16.3

GFSK CH19 (3-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
8342.500000	44.88	74.00	29.12	V	3.1
9796.500000	45.33	74.00	28.67	H	4.2
10572.500000	46.34	74.00	27.66	H	5.0
13110.000000	48.38	74.00	25.62	V	8.5
14906.000000	49.00	74.00	25.00	H	11.1
16938.500000	51.61	74.00	22.39	V	14.9

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4880.000000	33.66	54.00	20.34	H	-0.9
9826.500000	33.32	54.00	20.68	V	4.4
11464.500000	34.21	54.00	19.79	H	5.8
12965.000000	35.89	54.00	18.11	H	8.5
14508.000000	37.51	54.00	16.49	H	11.5
17878.000000	39.91	54.00	14.09	H	16.3

GFSK CH39 (3-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
8037.000000	44.78	74.00	29.22	V	2.8
9881.500000	45.47	74.00	28.53	V	4.5
11470.500000	46.32	74.00	27.68	H	5.8
12668.500000	48.18	74.00	25.82	H	7.7
14493.500000	49.73	74.00	24.27	V	11.4
17905.500000	52.39	74.00	21.61	H	16.3

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4960.000000	33.07	54.00	20.93	V	-0.9
9820.500000	33.70	54.00	20.30	H	4.4
11498.500000	34.81	54.00	19.19	V	6.1
13310.000000	36.15	54.00	17.85	H	9.0
14878.500000	37.66	54.00	16.34	H	11.0
16915.000000	40.02	54.00	13.98	H	15.0

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

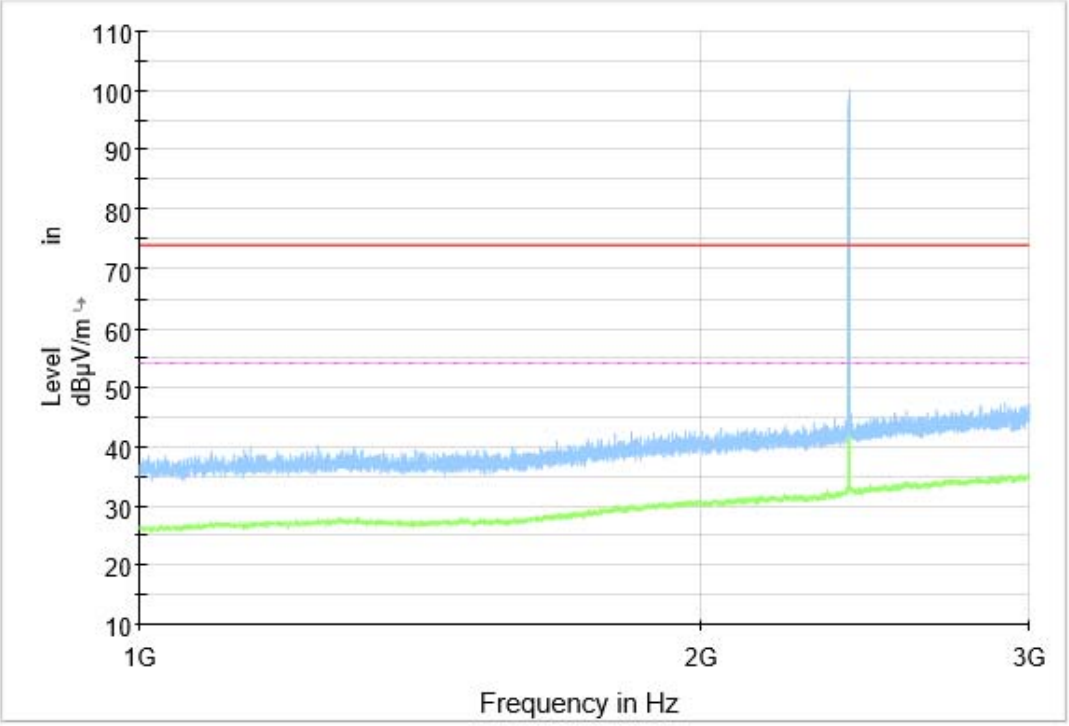

Fig.20 Radiated Spurious Emission (Ch0, 1 GHz - 3 GHz), 1M

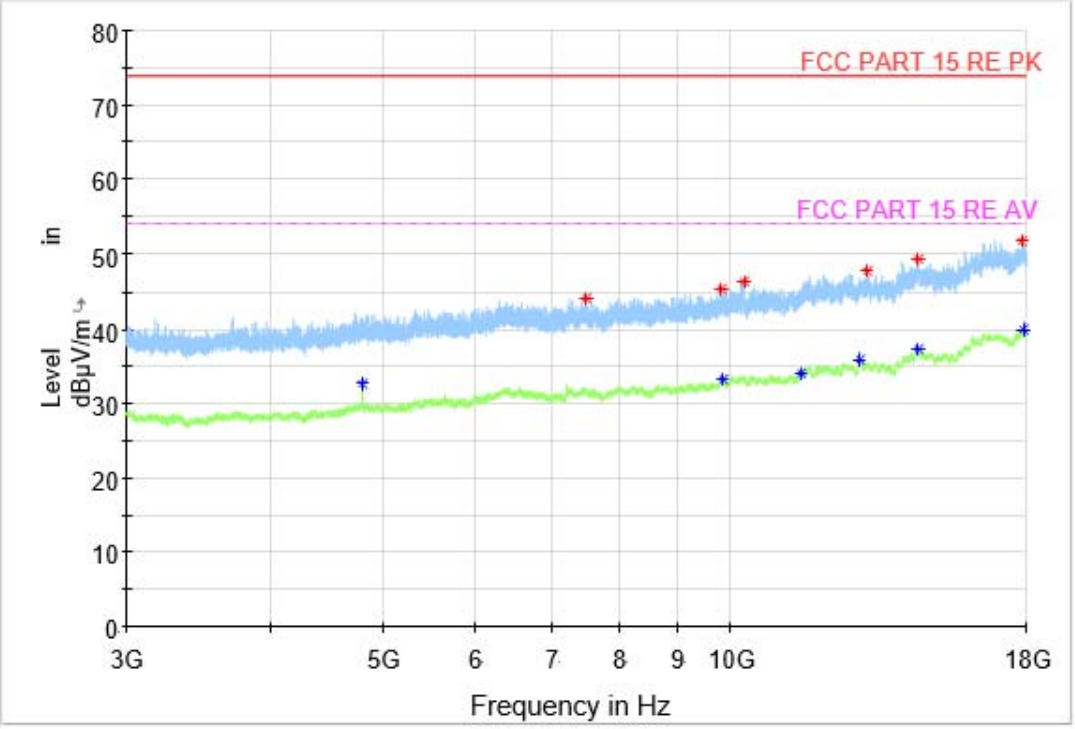

Fig.21 Radiated Spurious Emission (Ch0, 3 GHz - 18 GHz), 1M

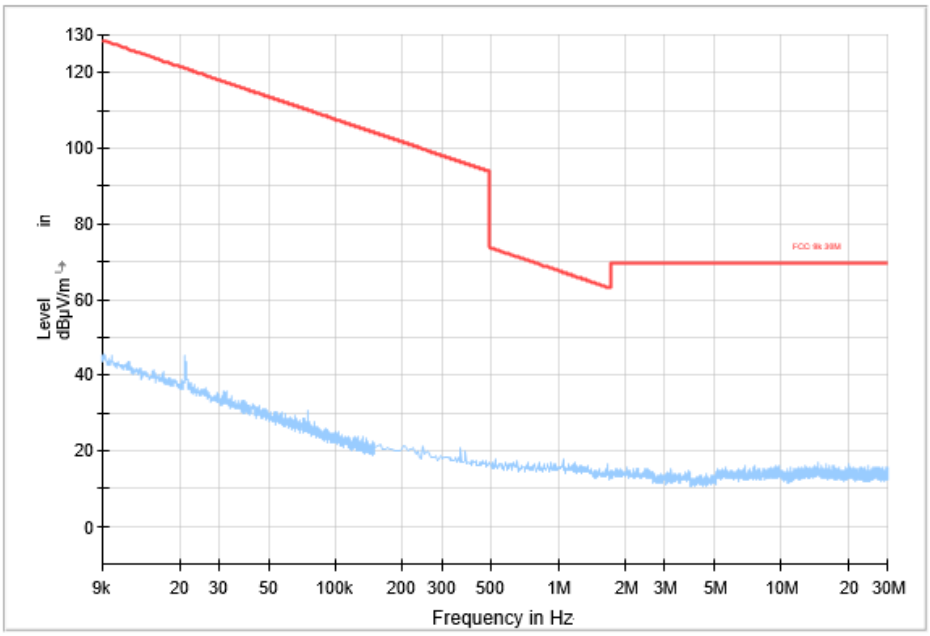

Fig.22 Radiated Spurious Emission (Ch19, 9 kHz - 30 MHz), 1M

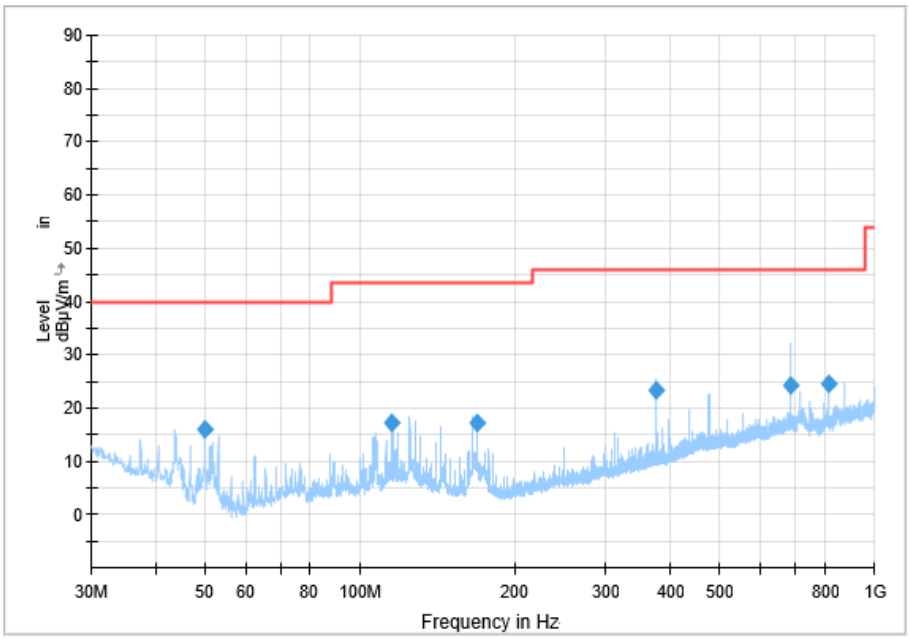

Fig.23 Radiated Spurious Emission (Ch19, 30 MHz - 1 GHz), 1M

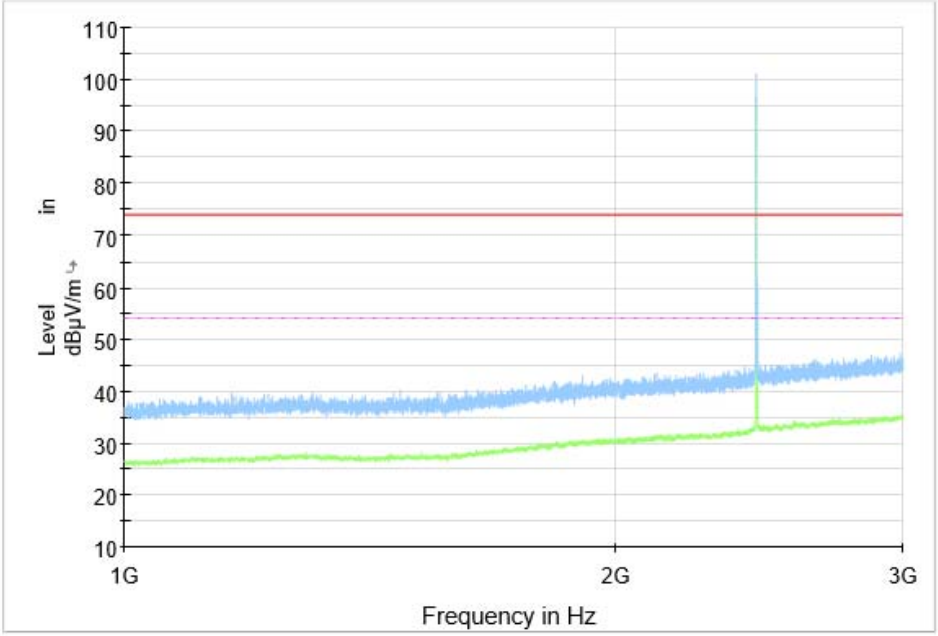

Fig.24 Radiated Spurious Emission (Ch19, 1 GHz - 3 GHz), 1M

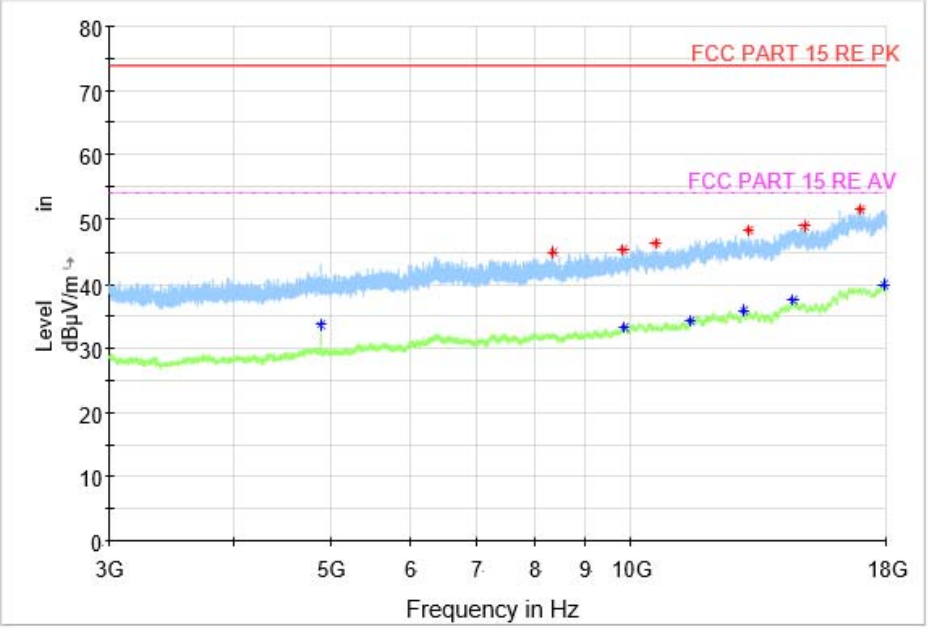

Fig.25 Radiated Spurious Emission (Ch19, 3 GHz - 18 GHz), 1M

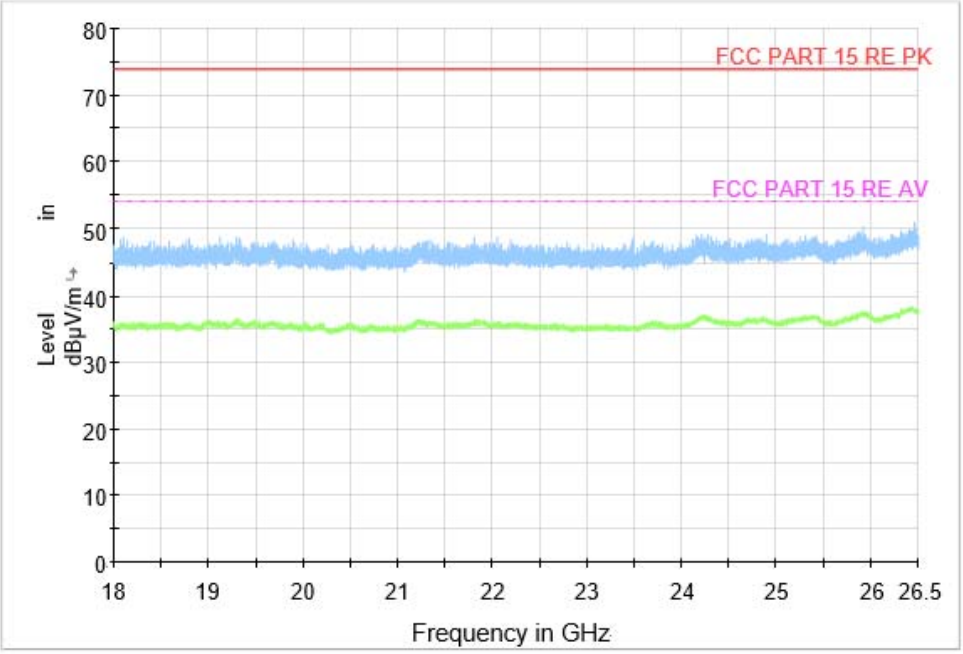

Fig.26 Radiated Spurious Emission (Ch19, 18 GHz - 26.5 GHz), 1M

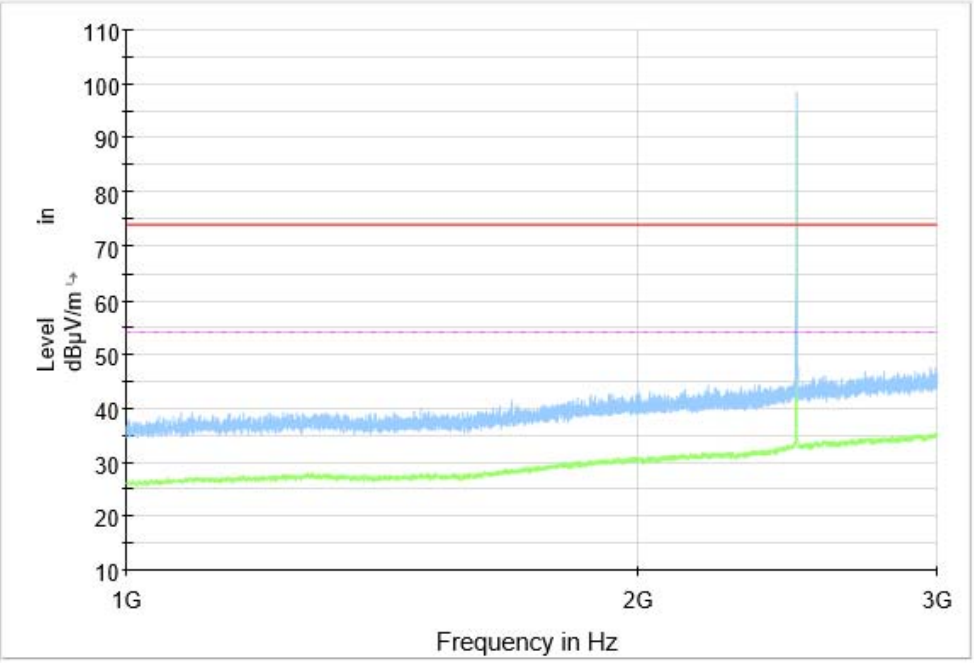

Fig.27 Radiated Spurious Emission (Ch39, 1 GHz - 3 GHz), 1M

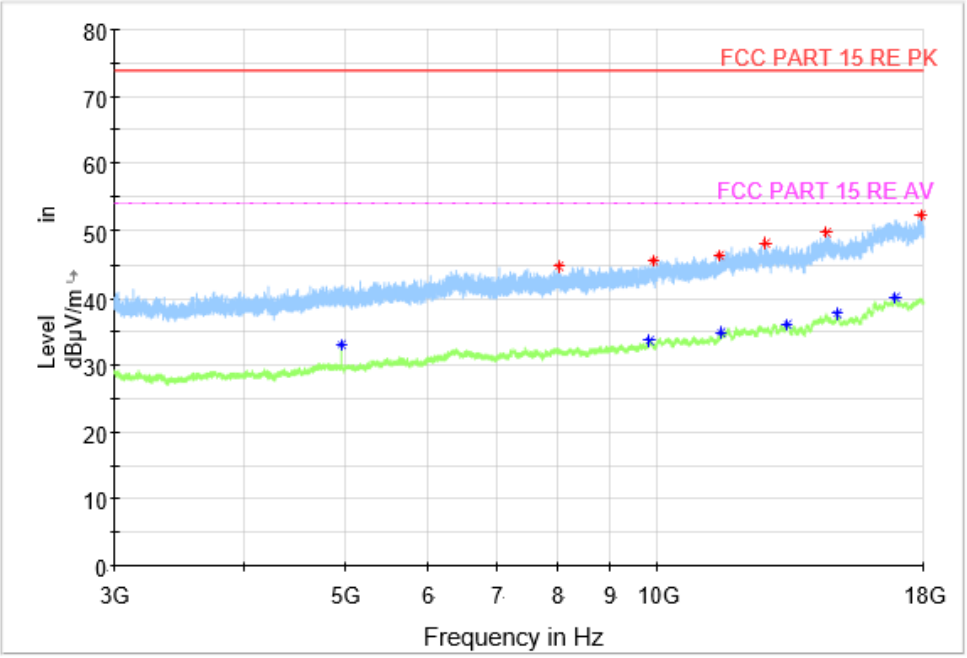

Fig.28 Radiated Spurious Emission (Ch39, 3 GHz - 18 GHz), 1M

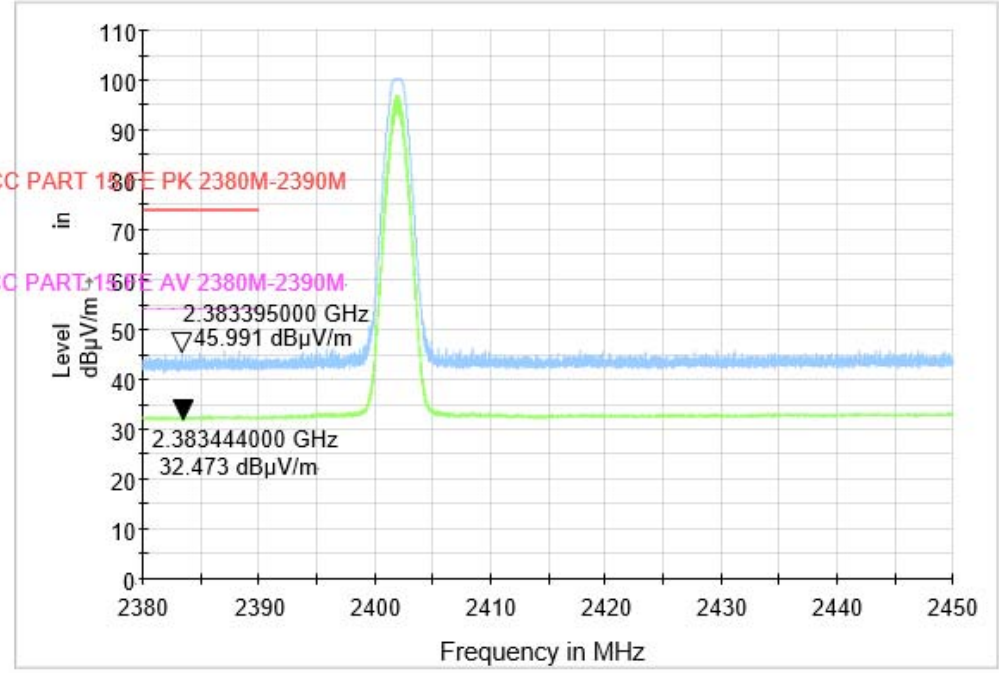

Fig.29 Radiated Band Edges (Ch0, 2380GHz - 2450GHz), 1M

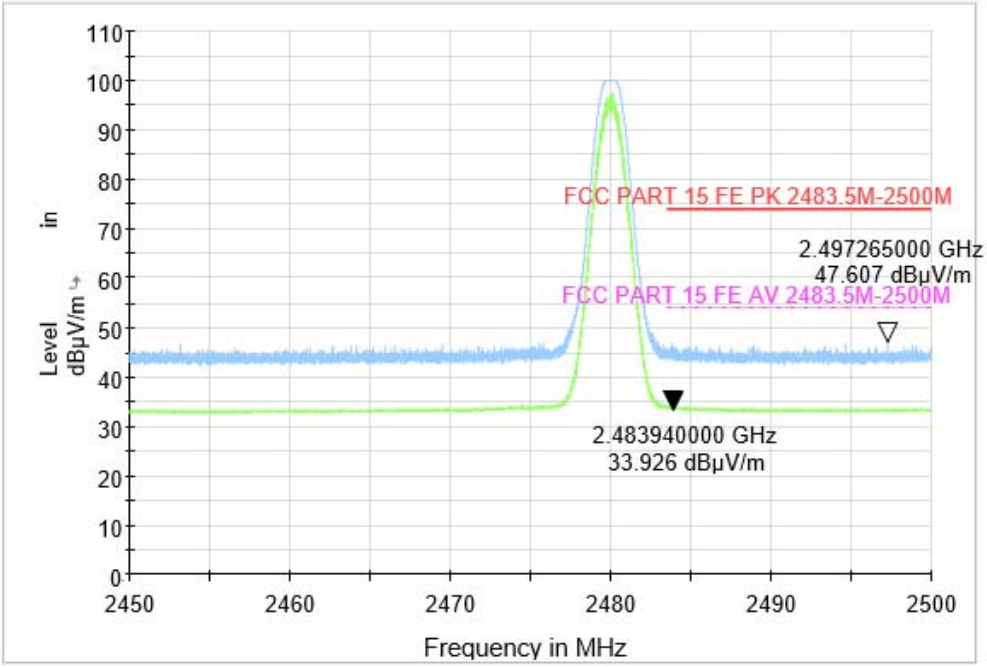

Fig.30 Radiated Band Edges (Ch39, 2450GHz - 2500GHz), 1M

A.7 AC Power line Conducted Emission

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

LE-1M

BLE (Quasi-peak Limit) – AE2-1

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.31	Fig.32	**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.				

BLE (Average Limit) – AE2-2

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.31	Fig.32	**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.				

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

LE-1M

BLE (Quasi-peak Limit) – AE2-2

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.33	Fig.34	**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.				

BLE (Average Limit) – AE2-2

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.33	Fig.34	**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: The measurement results include the L1 and N measurements.

See below for test graphs.

Conclusion: Pass

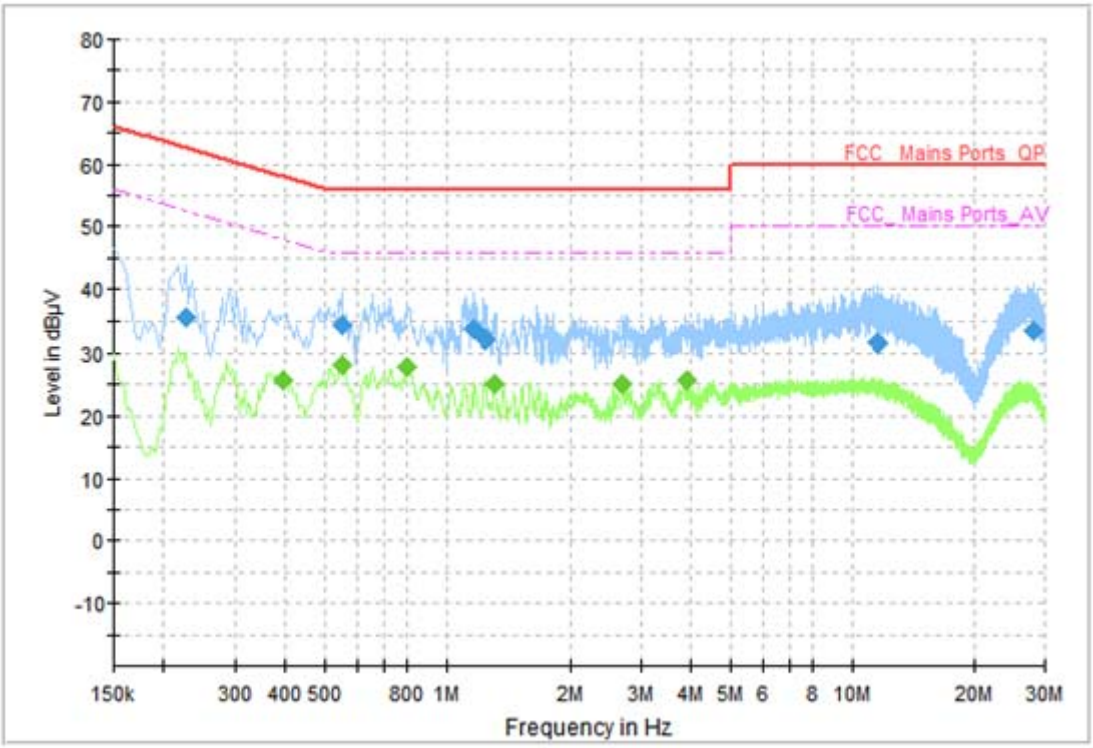

Fig.31 AC Power line Conducted Emission (Traffic, AE2-1, 120V), 1M

Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.226000	35.55	62.60	27.05	N	ON	9.6
0.550000	34.22	56.00	21.78	N	ON	9.7
1.166000	33.79	56.00	22.21	N	ON	9.7
1.250000	32.22	56.00	23.78	N	ON	9.7
11.526000	31.55	60.00	28.45	N	ON	9.9
28.150000	33.42	60.00	26.58	L1	ON	10.0

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.394000	25.64	47.98	22.34	N	ON	9.6
0.550000	28.09	46.00	17.91	N	ON	9.6
0.798000	27.78	46.00	18.22	N	ON	9.6
1.318000	25.15	46.00	20.85	N	ON	9.7
2.694000	25.05	46.00	20.95	N	ON	9.7
3.882000	25.63	46.00	20.37	N	ON	9.7

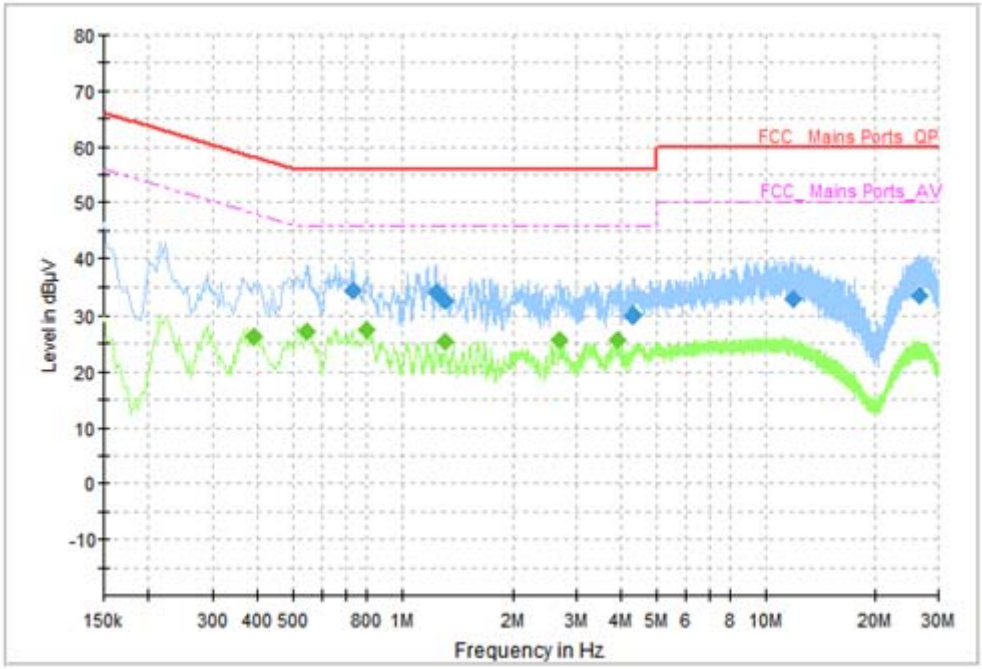

Fig.32 AC Power line Conducted Emission (Idle, AE2-1, 120V), 1M

Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.730000	34.20	56.00	21.80	N	ON	9.6
1.242000	34.06	56.00	21.94	N	ON	9.6
1.314000	32.37	56.00	23.63	N	ON	9.6
4.290000	30.01	56.00	25.99	N	ON	9.6
11.934000	32.87	60.00	27.13	N	ON	9.6
26.742000	33.26	60.00	26.74	N	ON	9.7

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.390000	26.38	48.06	21.69	N	ON	9.6
0.546000	27.26	46.00	18.74	N	ON	9.6
0.798000	27.67	46.00	18.33	L1	ON	9.6
1.314000	25.44	46.00	20.56	N	ON	9.6
2.706000	25.79	46.00	20.21	L1	ON	9.6
3.878000	25.77	46.00	20.23	N	ON	9.7

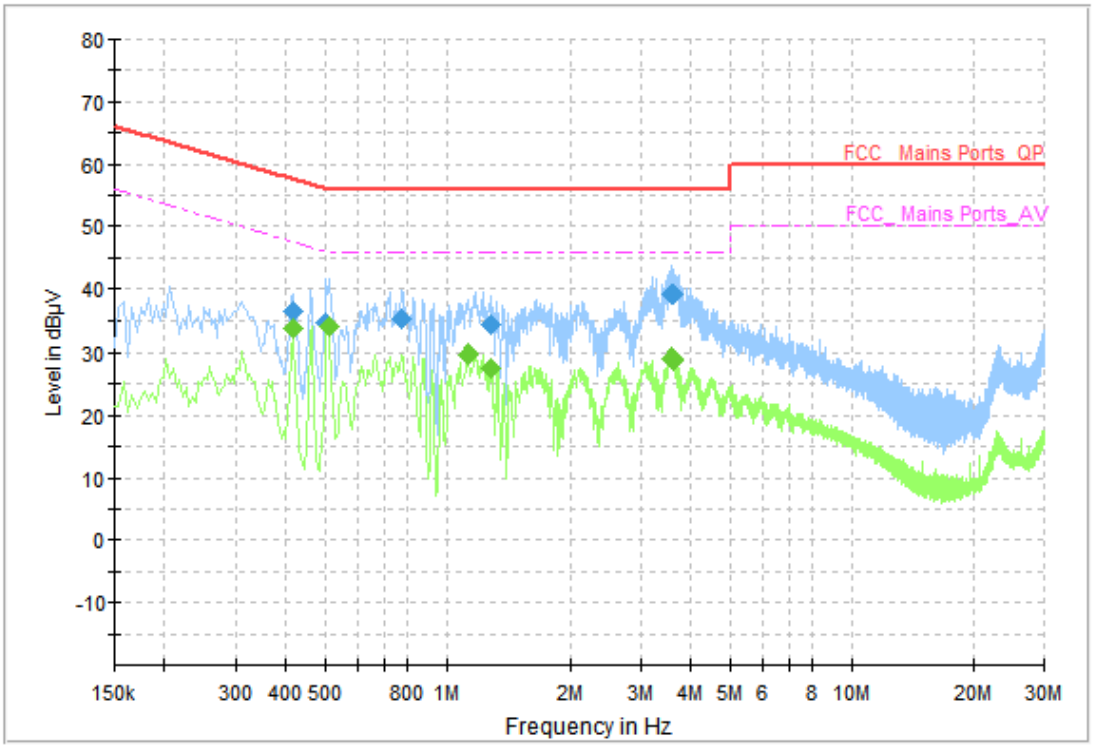

Fig.33 AC Power line Conducted Emission (Traffic, AE2-2, 120V), 1M

Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.414000	36.25	57.57	21.32	L1	ON	9.7
0.502000	34.46	56.00	21.54	L1	ON	9.7
0.770000	35.32	56.00	20.68	N	ON	9.7
1.290000	34.33	56.00	21.67	N	ON	9.7
3.586000	39.00	56.00	17.00	N	ON	9.7
3.630000	39.20	56.00	16.80	N	ON	9.7

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.414000	33.63	47.57	13.94	N	ON	9.7
0.510000	33.86	46.00	12.14	N	ON	9.7
1.130000	29.62	46.00	16.38	N	ON	9.7
1.282000	27.71	46.00	18.29	N	ON	9.7
3.586000	29.14	46.00	16.86	N	ON	9.7
3.622000	28.63	46.00	17.37	N	ON	9.7

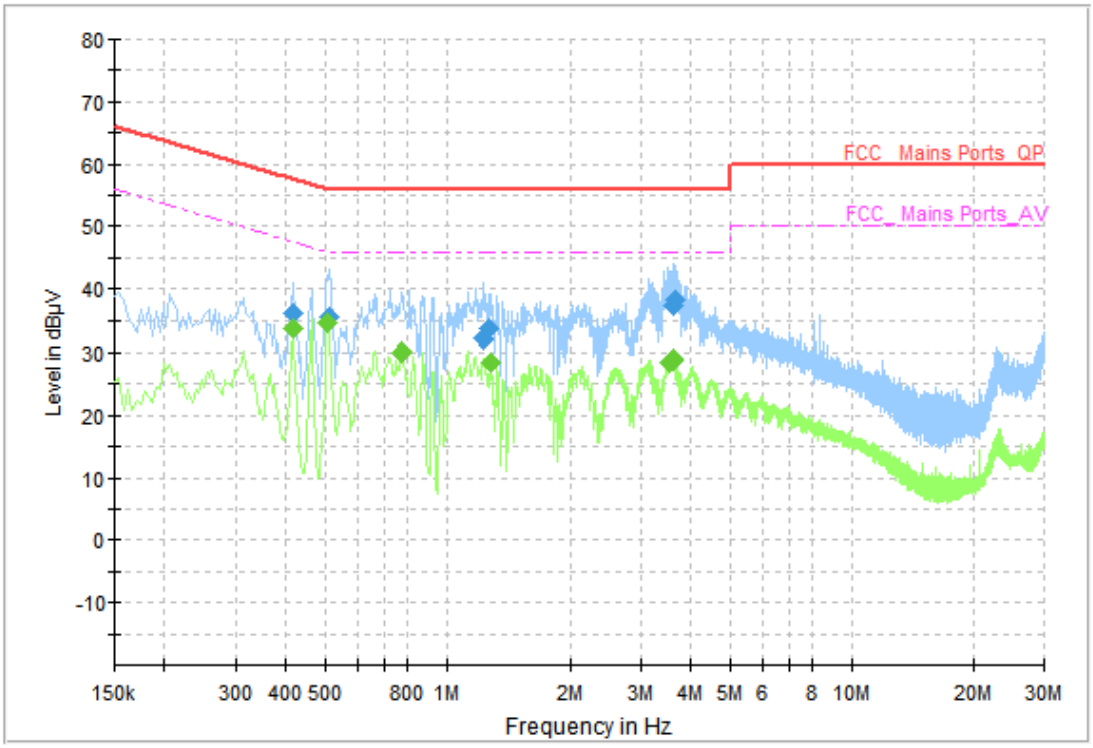

Fig.34 AC Power line Conducted Emission (Idle, AE2-2, 120V), 1M

Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.414000	36.13	57.57	21.44	L1	ON	9.6
0.510000	35.35	56.00	20.65	L1	ON	9.6
1.238000	32.21	56.00	23.79	L1	ON	9.7
1.278000	33.59	56.00	22.41	N	ON	9.7
3.602000	37.47	56.00	18.53	N	ON	9.7
3.670000	38.21	56.00	17.79	N	ON	9.8

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.414000	33.67	47.57	13.90	L1	ON	9.6
0.506000	34.56	46.00	11.44	L1	ON	9.6
0.774000	29.90	46.00	16.10	L1	ON	9.7
1.286000	28.56	46.00	17.44	L1	ON	9.7
3.530000	28.47	46.00	17.53	N	ON	9.7
3.626000	28.71	46.00	17.29	L1	ON	9.7

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