FCC PART 15C
TEST REPORT
No.I15N01256-BLE

for

Huawei Technologies Co.,Ltd

Smart Phone

Model Name: HUAWEI TAG-L13

With

Hardware Version: Ver.A

Software Version: TAG-L13C464B006_A

FCC ID: QISTAG-L13

Issued Date: Jan 7th, 2016

Test Laboratory:

FCC 2.948 Listed: No.342690

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.

Test Laboratory:

CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT

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@catr.cn, website: www.chinattl.com

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I15N01256-BLE	Rev.0	1st edition	2016-01-07

CONTENTS

1. Test Laboratory

1.1. Testing Location

Location1: CTTL(South Branch)

Address: TCL International E city No. 1001 Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong, China 518000

1.2. Testing Environment

Normal Temperature:	15-35℃
Extreme Temperature:	-20/+55℃
Relative Humidity:	20-75%

1.3. Project data

Testing Start Date:	2015-11-19
Testing End Date:	2016-12-28

1.4. Signature

Xu Ye

(Prepared this test report)

Tang Weisheng

(Reviewed this test report)

Zhang Bojun

(Approvedthis test report)

2. Client Information

2.1. Applicant Information

Company Name:	Huawei Technologies Co.,Ltd
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China
City:	Shenzhen
Postal Code:	/
Country:	China
Telephone:	0086-0755-28970299
Fax:	0086-0755-89650226

2.2. Manufacturer Information

Company Name:	Huawei Technologies Co.,Ltd
Address:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China
City:	Shenzhen
Postal Code:	/
Country:	China
Telephone:	0086-0755-28970299
Fax:	0086-0755-89650226

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

3.1. About EUT

Description	Smart Phone
Model Name	HUAWEI TAG-L13
Market Name	HUAWEI GR3
Frequency Band	2402MHz~2480MHz
Type of Modulation	GFSK
Number of Channels	40
FCC ID	QISTAG-L13

*Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version
EUT1	/	Ver.A	TAG-L13C464B006_A

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

3.3. Internal Identification of AE

AE ID*	Description	Type	SN
AE1	Charger	HW-050100U01_BYD	/
AE2	Charger	HW-050100U01_HUNTKEY	/
AE3	Charger	HW-050100U01_ Phitek	/
AE4	Charger	HW-050100E01_BYD	/
AE5	Charger	HW-050100E01_ HUNTKEY	/
AE6	Charger	HW-050100E01_ Phitek	/
AE7	Charger	HW-050100I01_BYD	/
AE8	Charger	HW-050100I01_ HUNTKEY	/
AE9	Charger	HW-050100R01_BYD	/
AE10	Charger	HW-050100B01_BYD	/
AE11	Charger	HW-050100A01_BYD	/
AE12	Charger	HW-050100R01_ HUNTKEY	/
AE13	Charger	HW-050100B01_ HUNTKEY	/
AE14	Charger	HW-050100A01_ HUNTKEY	/
AE15	Charger	HW-050100R01_ Phitek	/
AE16	Charger	HW-050100B01_ Phitek	/
AE17	Charger	HW-050100A01_ Phitek	/
AE18	Charger	HW-050100Z01_ HUNTKEY	/
AE19	Charger	HW-050100Z01_ Phitek	/
AE20	Charger	HW-050100Z01_BYD	/

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

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.	Oct, 2014
ANSI C63.10	American National Standard for Testing Unlicensed Wireless Devices	Jun,2013

5. Test Results

5.1. Summary of Test Results

No	Test cases	Standard Sub-clause	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	Occupied 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 Powerline Conducted Emission	15.107, 15.207	**P**

See **ANNEX B and ANNEX C** for details.

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. Terms used in the result table

Terms used in Verdict column

P	Pass
NA	Not Available
F	Fail

Abbreviations

AC	Alternating Current
AFH	Adaptive Frequency Hopping
BW	Band Width
E.I.R.P.	equivalent isotropical radiated power
ISM	Industrial, Scientific and Medical
R&TTE	Radio and Telecommunications Terminal Equipment
RF	Radio Frequency
Tx	Transmitter

5.4. Laboratory Environment

Semi-anechoic chamber (23 meters×17 meters×10 meters) did not exceed following limits:

Temperature	Min. = 15 ˚C, Max. = 35 ˚C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz - 1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M
Ground system resistance	< 4
Normalised site attenuation (NSA)	< ± 4 dB, 3m/10m distance, from 30 to 1000 MHz
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Shielded room did not exceed following limits along the EMC testing:

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

6. Test Facilities Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2016-04-21	1 year

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Chamber	FACT5-2.0	4166	ETS-Lindgren	2018-05-13	3 years
2	Test Receiver	ESCI	100701	Rohde & Schwarz	2016-08-10	1 year
3	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2017-01-20	3 years
4	Horn Antenna	3117	00066577	ETS-Lindgren	2016-04-01	3 years
5	Universal Radio Communication Tester	CMU200	114544	Rohde & Schwarz	2016-09-10	1 year
6	Universal Radio Communication Tester	CMW500	152499	Schwarzbeck	2016-07-23	1 year
7	Spectrum Analyser	FSP40	100378	Rohde & Schwarz	2016-12-18	1 year

Anechoic chamber

Fully anechoic chamber by ETS-Lindgren.

ANNEX A: MEASUREMENT RESULTS FOR RECEIVER

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 -2.9 dBi.
The RF transmitter uses an integrate antenna without connector.

A.1 Maximum Average Output Power

Measurement Limit:

Standard	Limit (dBm)
FCC CRF Part 15.247(b)(1)	< 30

Measurement Results:

Mode	Channel	Maximum Peak Output Power（dBm）		Conclusion
GFSK	0	-0.91	Fig.1	P
	19	-1.50	Fig.2	P
	39	-1.46	Fig.3	P

See ANNEX C for test graphs.

Conclusion: Pass

A.2 Peak Power Spectral Density

Measurement Limit:

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

Measurement Results:

Mode	Channel	Peak Power Spectral Density（dBm）		Conclusion
GFSK	0	Fig.4	-17.08	P
	19	Fig.5	-17.72	P
	39	Fig.6	-17.63	P

See ANNEX C for test graphs.

Conclusion: PASS

A.3 Occupied 6dB Bandwidth

Measurement Limit:

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

Measurement Result:

Mode	Channel	Test Results (kHz)		conclusion
GFSK	0	Fig.7	694.6	P
	19	Fig.8	687.4	P
	39	Fig.9	694.6	P

See ANNEX C for test graphs.

Conclusion: PASS

A.4 Band Edges Compliance

Measurement Limit:

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

Measurement Result:

Mode	Channel	Test Results	Conclusion
GFSK	0	Fig.10	P
	39	Fig.11	P

See ANNEX C for test graphs.

Conclusion: Pass

A.5 Transmitter Spurious Emission

A.5.1 Transmitter Spurious Emission - Conducted

Measurement Limit:

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

Measurement Results:

MODE	Channel	Frequency Range	Test Results	Conclusion
GFSK	0	2.402 GHz	Fig.12	P
		30 MHz-3 GHz	Fig.13	P
		3GHz-18GHz	Fig.14	P
	19	2.440 GHz	Fig.15	P
		30 MHz-3 GHz	Fig.16	P
		3GHz-18GHz	Fig.17	P
	39	2.480 GHz	Fig.18	P
		30 MHz-3 GHz	Fig.19	P
		3GHz-18GHz	Fig.20	P
	All channels	18GHz-26GHz	Fig.21	P

See ANNEX C for test graphs.

Conclusion: Pass

A.5.2 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
GFSK	0	1 GHz ~18 GHz	Fig.22	P
	19	9kHz~30MHz	Fig.23	P
		30MHz~1GHz	Fig.24	P
		1 GHz ~18 GHz	Fig.25	P
		18 GHz~ 26.5 GHz	Fig.26	P
	39	1 GHz ~18 GHz	Fig.27	P
	Power(CH0)	2.38 GHz ~ 2.45 GHz	Fig.28	P
	Power(CH78)	2.45 GHz ~ 2.5 GHz	Fig.29	P

GFSK CH0 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14047.000000	56.5	V	11.0	17.5	74.0
15120.000000	57.5	H	12.1	16.5	74.0
15752.000000	58.9	V	12.9	15.1	74.0
16266.000000	59.7	V	13.4	14.3	74.0
16880.000000	59.6	H	14.1	14.4	74.0
17446.000000	59.6	V	14.3	14.4	74.0

Frequency (MHz)	Average-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
14525.000000	44.6	H	11.7	9.4	54.0
15167.000000	45.2	H	12.1	8.8	54.0
15673.000000	46.7	V	12.8	7.3	54.0
16227.000000	47.3	H	13.3	6.7	54.0
16789.000000	47.8	V	14.0	6.2	54.0
17353.000000	47.5	V	14.2	6.5	54.0

GFSK CH19 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBµV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
13999.000000	56.1	H	10.9	17.9	74.0
15111.000000	57.2	V	12.1	16.8	74.0
15675.000000	59.3	H	12.8	14.7	74.0
16207.000000	59.0	V	13.3	15.0	74.0
16715.000000	59.2	H	13.9	14.8	74.0
17416.000000	59.4	V	14.3	14.6	74.0

Frequency (MHz)	Average-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14533.000000	44.5	V	11.8	9.5	54.0
15140.000000	45.2	V	12.1	8.8	54.0
15744.000000	46.6	V	12.9	7.4	54.0
16227.000000	46.9	H	13.3	7.1	54.0
16744.000000	47.2	V	14.0	6.8	54.0
17281.000000	47.1	V	14.1	6.9	54.0

GFSK CH39 (1-18GHz)

Frequency (MHz)	MaxPeak-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14509.000000	56.8	V	11.7	17.2	74.0
15154.000000	57.6	V	12.1	16.4	74.0
15695.000000	59.2	H	12.8	14.8	74.0
16274.000000	58.9	H	13.4	15.1	74.0
16742.000000	59.3	H	14.0	14.7	74.0
17351.000000	59.1	H	14.2	14.9	74.0

Frequency (MHz)	Average-ClearWrite (dBμV/m)	Polarization	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
14551.000000	44.4	V	11.8	9.6	54.0
15132.000000	45.1	V	12.1	8.9	54.0
15753.000000	46.6	V	12.9	7.4	54.0
16227.000000	46.6	H	13.3	7.4	54.0
16744.000000	47.2	V	14.0	6.8	54.0
17361.000000	47.1	V	14.2	6.9	54.0

See ANNEX C for test graphs.

Conclusion: Pass

Note:

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.

The measurement results are obtained as described below:

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

A.6 AC Powerline Conducted Emission

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement Result and limit:

BT (Quasi-peak Limit)-AE1- Traffic

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	66 to 56	Fig.30	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.			

BT (Average Limit)-AE1-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.30	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.			

BT (Quasi-peak Limit)-AE2- Traffic

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

BT (Average Limit)-AE2-Traffic

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

BT (Quasi-peak Limit)-AE3- Traffic

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	66 to 56	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.			

BT (Average Limit)-AE3-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	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.			

BT (Quasi-peak Limit)-AE4- Traffic

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

BT (Average Limit)-AE4-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.33	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.			

BT (Quasi-peak Limit)-AE5- Traffic

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	66 to 56	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.			

BT (Average Limit)-AE5-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	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.			

BT (Quasi-peak Limit)-AE6- Traffic

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	66 to 56	Fig.35	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.			

BT (Average Limit)-AE6-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.35	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.			

BT (Quasi-peak Limit)-AE7- Traffic

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	66 to 56	Fig.36	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.			

BT (Average Limit)-AE7-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.36	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.			

BT (Quasi-peak Limit)-AE8- Traffic

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	66 to 56	Fig.37	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.			

BT (Average Limit)-AE8-Traffic

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.37	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.			

BT (Quasi-peak Limit)-AE1-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.66 to 56	Fig.38	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.			

BT (Average Limit)-AE1-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.38	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.			

BT (Quasi-peak Limit)-AE2-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.67 to 56	Fig.39	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.			

BT (Average Limit)-AE2-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.39	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.			

BT (Quasi-peak Limit)-AE3-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.68 to 56	Fig.40	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.			

BT (Average Limit)-AE3-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.40	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.			

BT (Quasi-peak Limit)-AE4-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.69 to 56	Fig.41	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.			

BT (Average Limit)-AE4-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.41	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.			

BT (Quasi-peak Limit)-AE5-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.70 to 56	Fig.42	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.			

BT (Average Limit)-AE5-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.42	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.			

BT (Quasi-peak Limit)-AE6-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.71 to 56	Fig.43	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.			

BT (Average Limit)-AE6-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.43	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.			

BT (Quasi-peak Limit)-AE7-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.72 to 56	Fig.44	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.			

BT (Average Limit)-AE7-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.44	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.			

BT (Quasi-peak Limit)-AE8-idle

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	Fig.73 to 56	Fig.45	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.			

BT (Average Limit)-AE8-idle

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV) Traffic	Conclusion
0.15 to 0.5	56 to 46	Fig.45	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 ANNEX C for test graphs.

Conclusion: Pass

ANNEX B: TEST FIGURE LIST

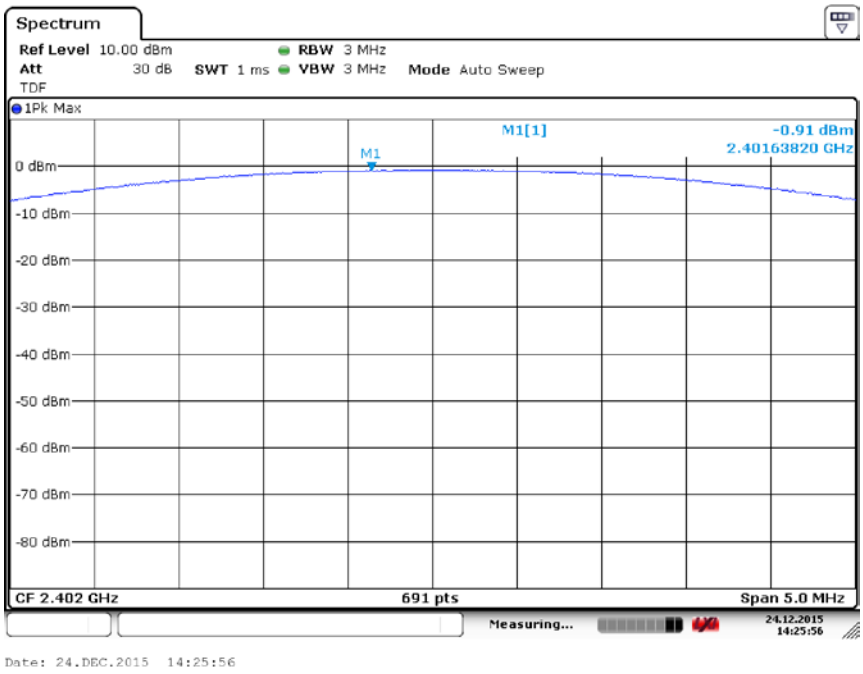

Fig.1 Maximum Peak Output Power(GFSK, Ch 0)

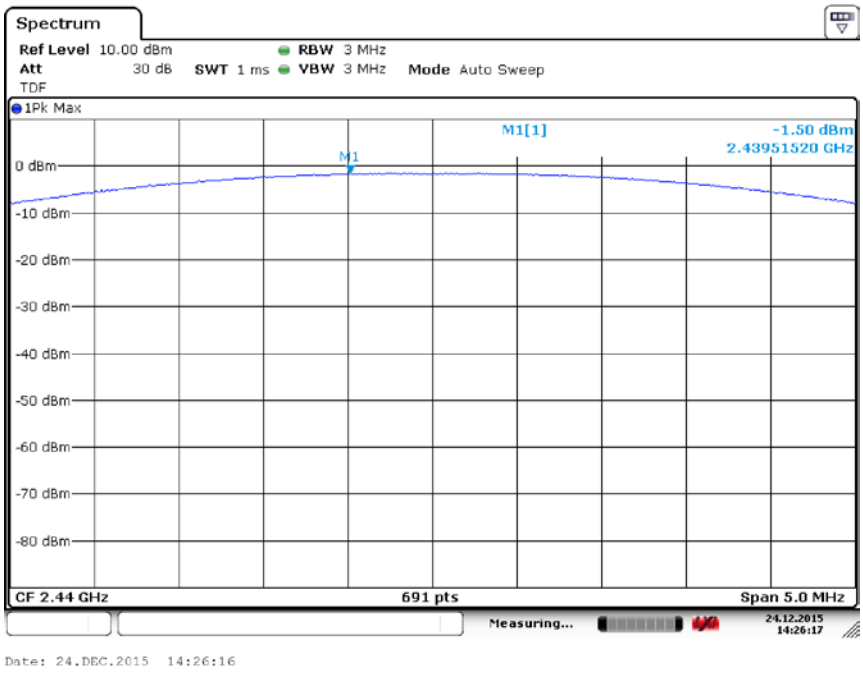

Fig.2 Maximum Peak Output Power(GFSK, Ch 19)

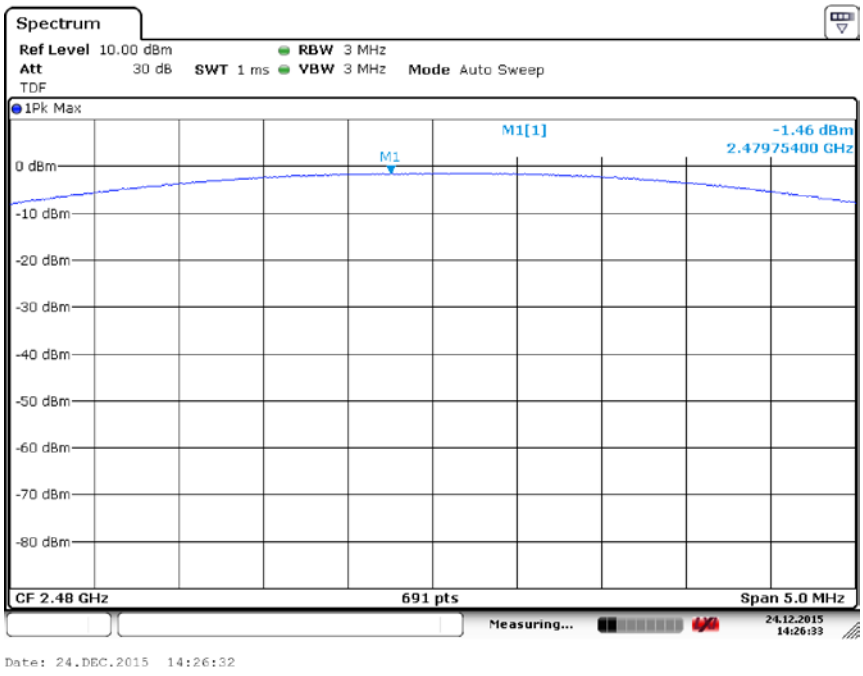

Fig.3 Maximum Peak Output Power(GFSK, Ch 39)

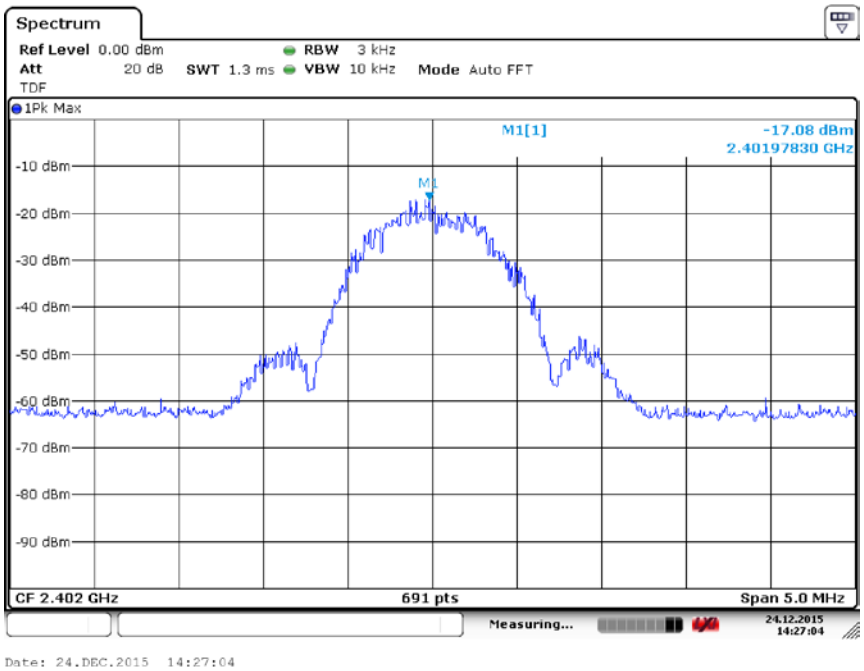

Fig.4 Power Spectral Density (Ch 0)

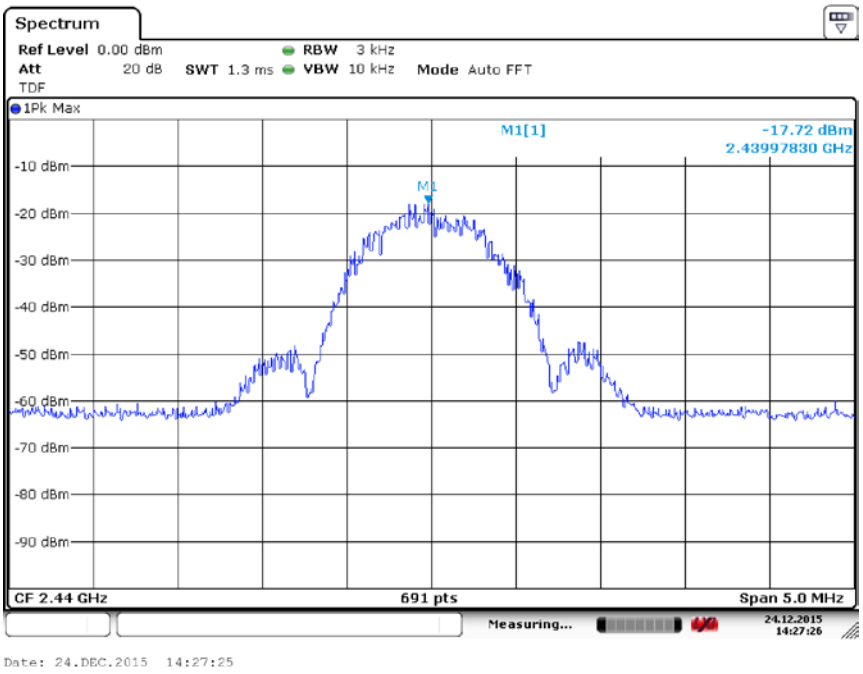

Fig.5 Power Spectral Density (Ch 19)

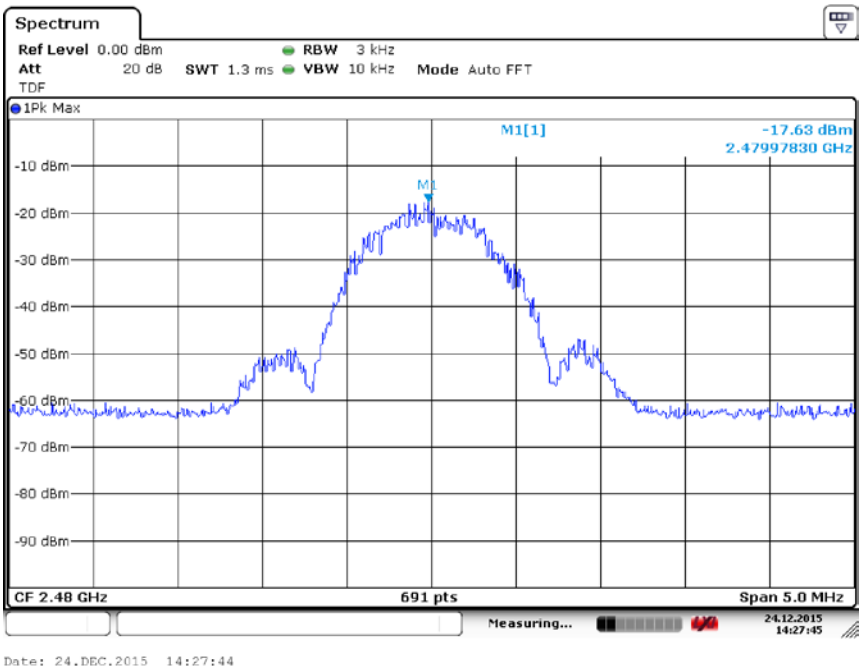

Fig.6 Power Spectral Density (Ch 39)

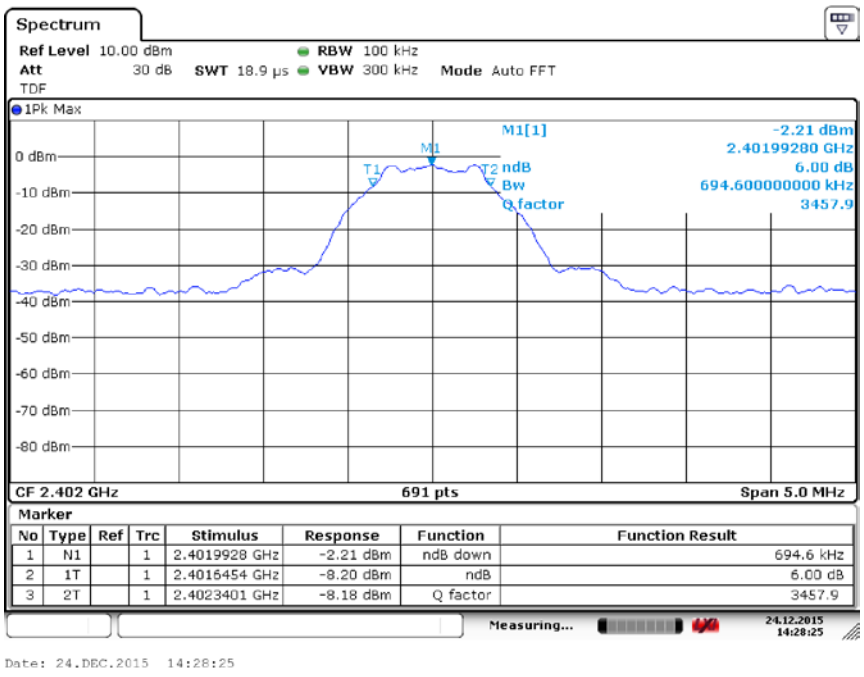

Fig.7 Occupied 6dB Bandwidth (Ch 0)

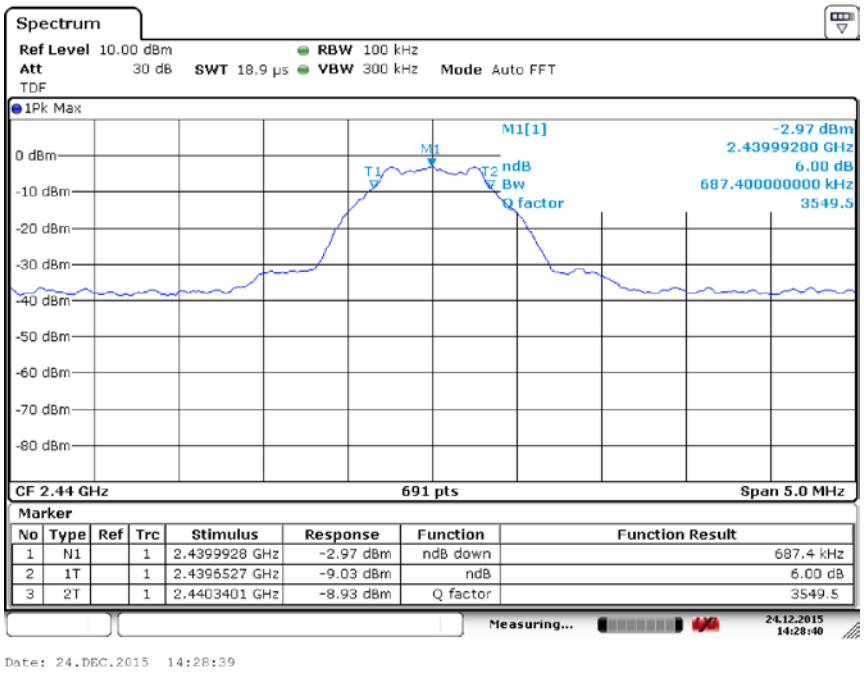

Fig.8 Occupied 6dB Bandwidth (Ch 19)

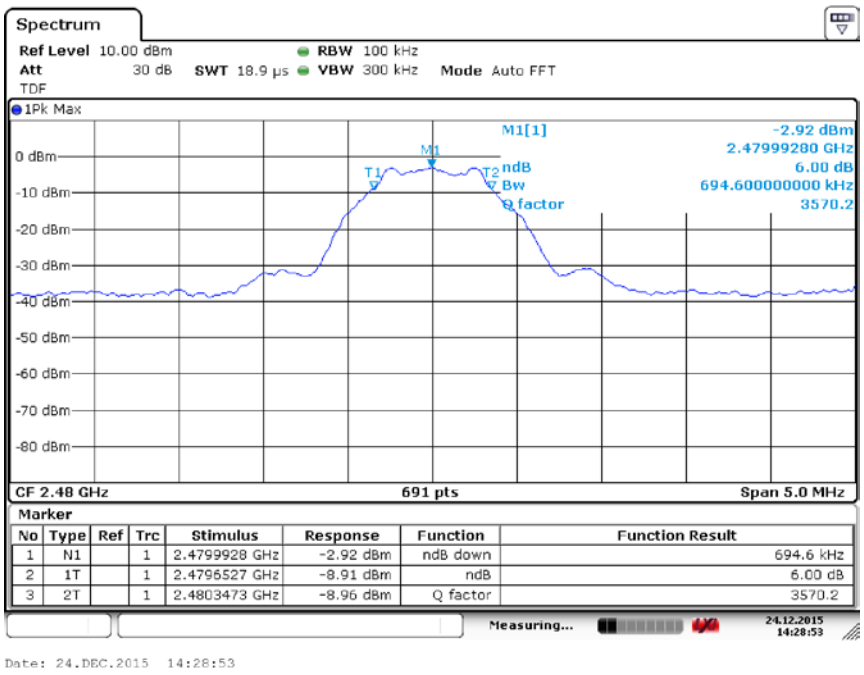

Fig.9 Occupied 6dB Bandwidth (Ch 39)

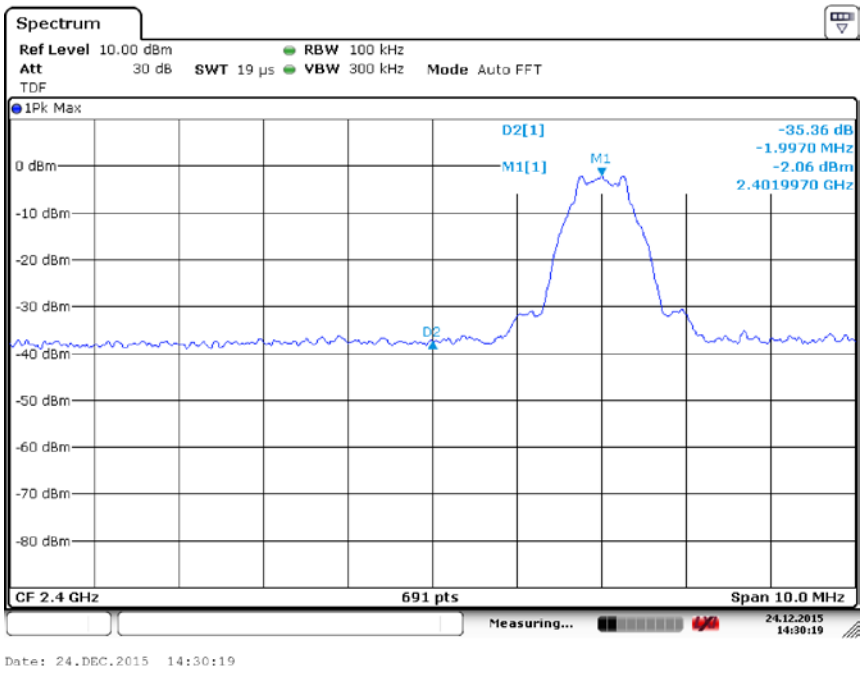

Fig.10 Band Edges (Ch 0)

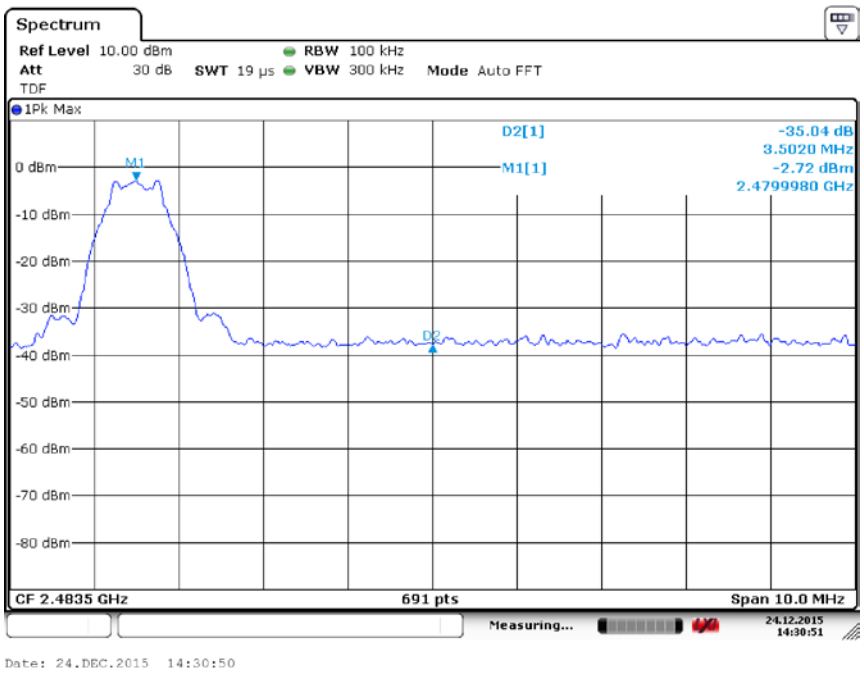

Fig.11 Band Edges (Ch 39)

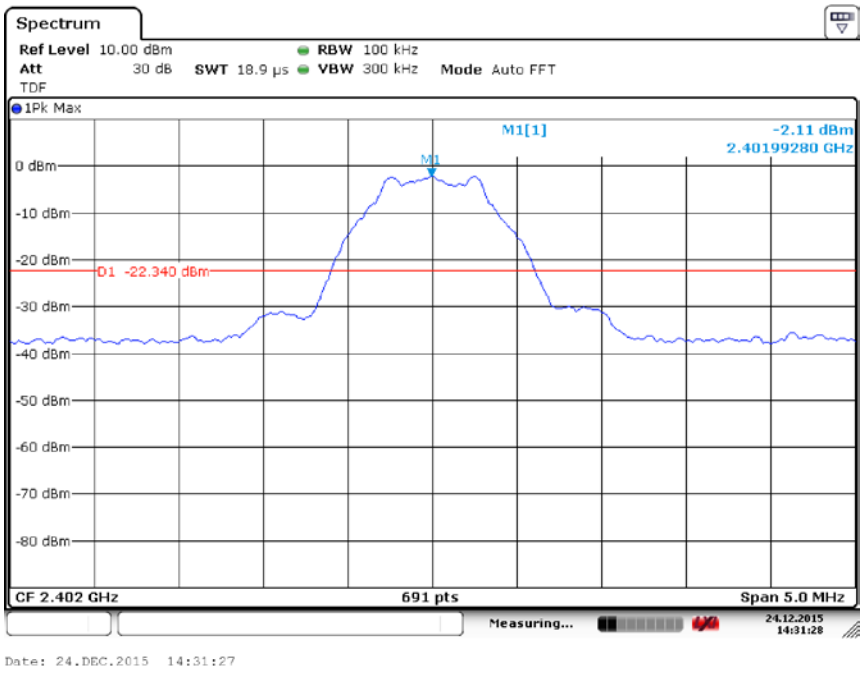

Fig.12 Conducted Spurious Emission (Ch0, Center Frequency)

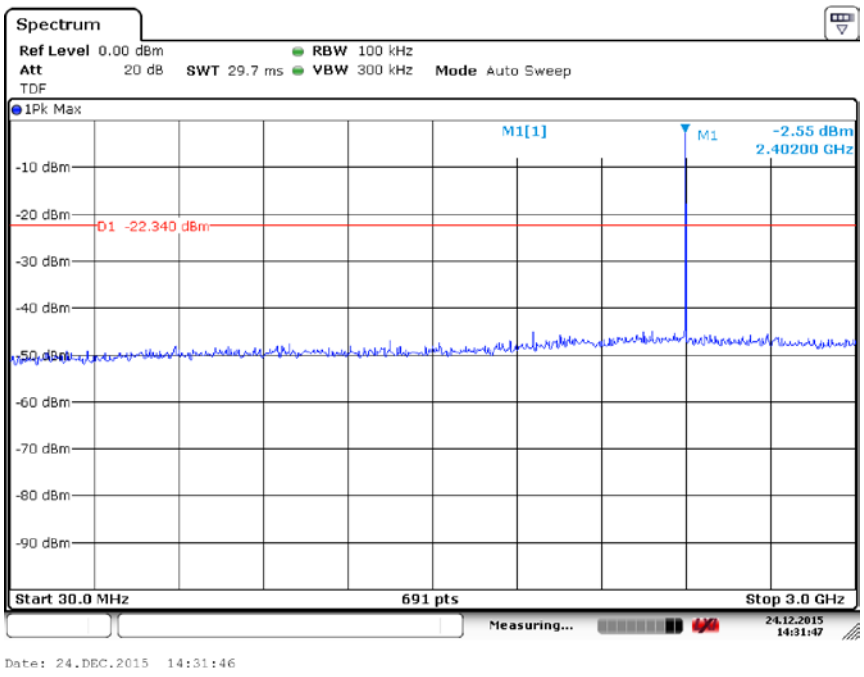

Fig.13 Conducted Spurious Emission (Ch0, 30 MHz-3 GHz)

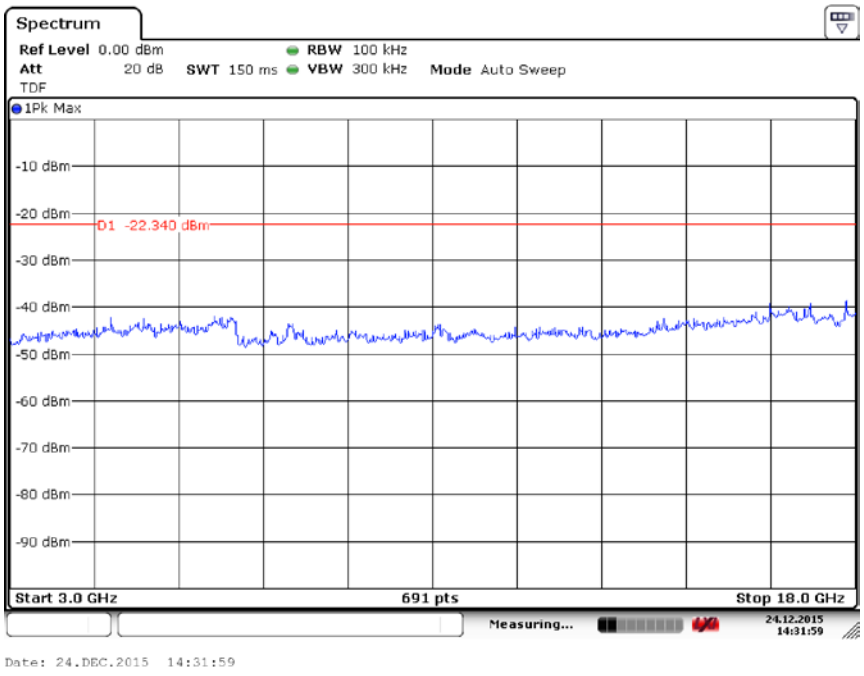

Fig.14 Conducted Spurious Emission (Ch0, 3 GHz-18 GHz)

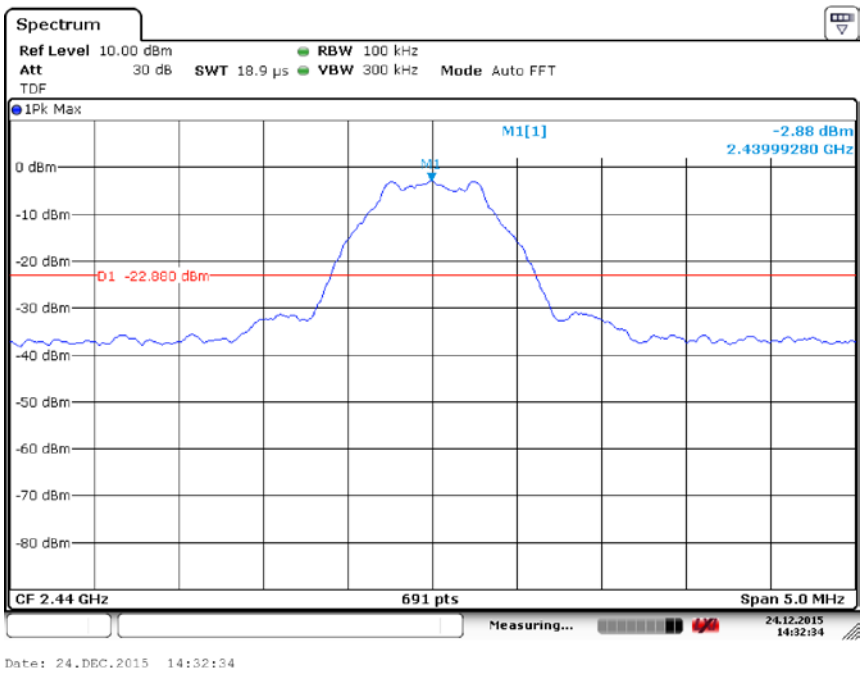

Fig.15 Conducted Spurious Emission (Ch19, Center Frequency)

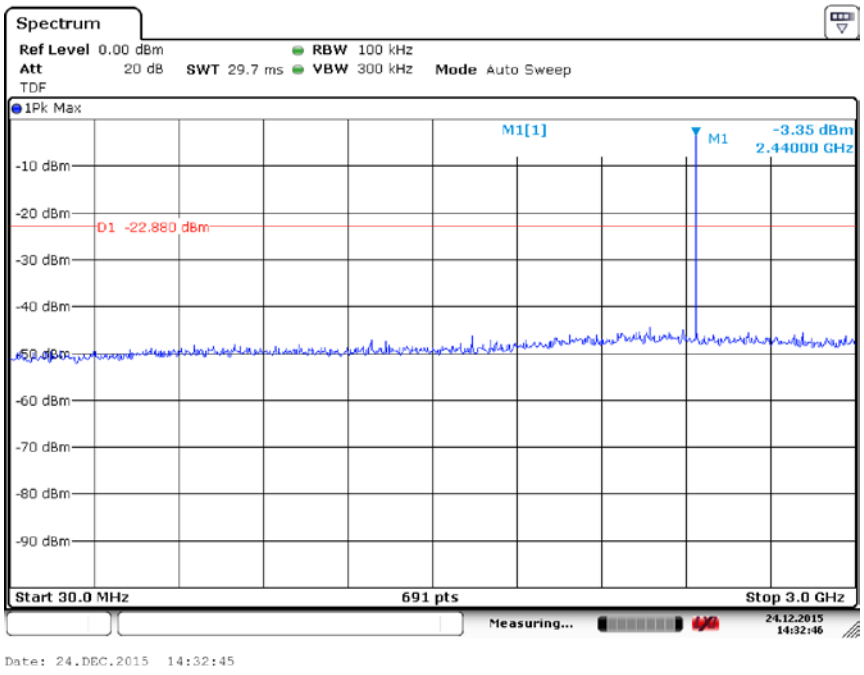

Fig.16 Conducted Spurious Emission (Ch19, 30 MHz-3 GHz)

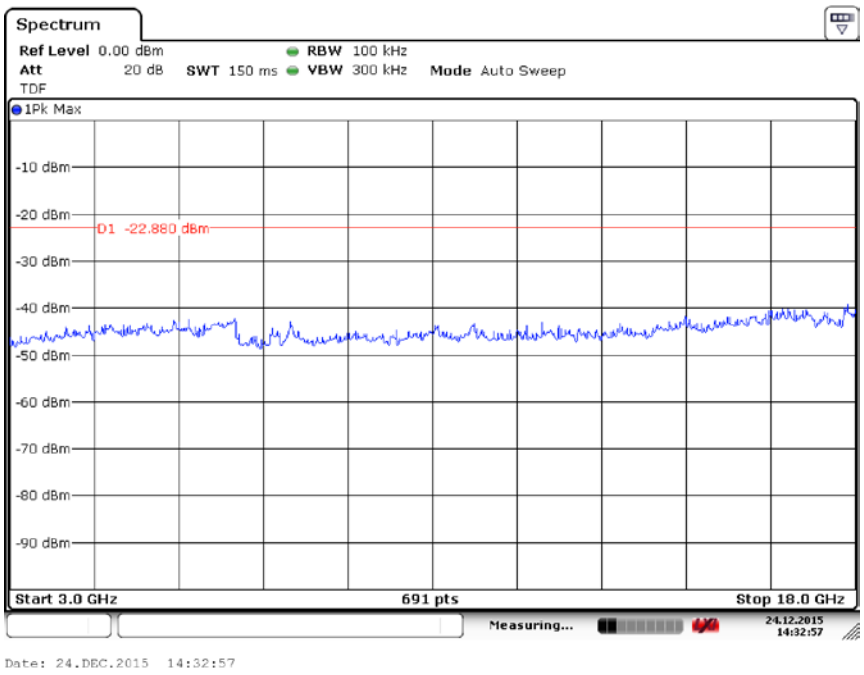

Fig.17 Conducted Spurious Emission (Ch19, 3 GHz-18 GHz)

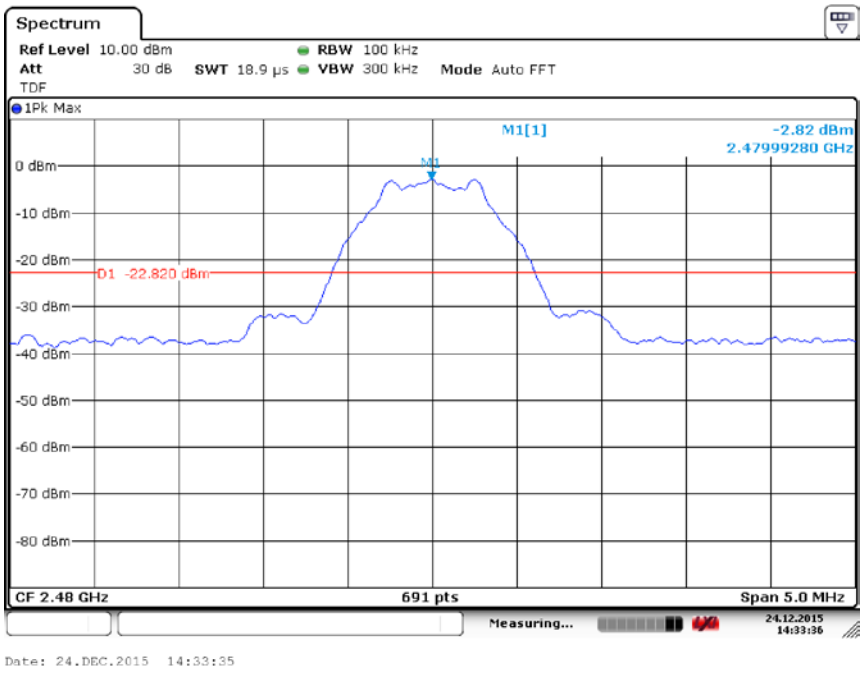

Fig.18 Conducted Spurious Emission (Ch39, Center Frequency)

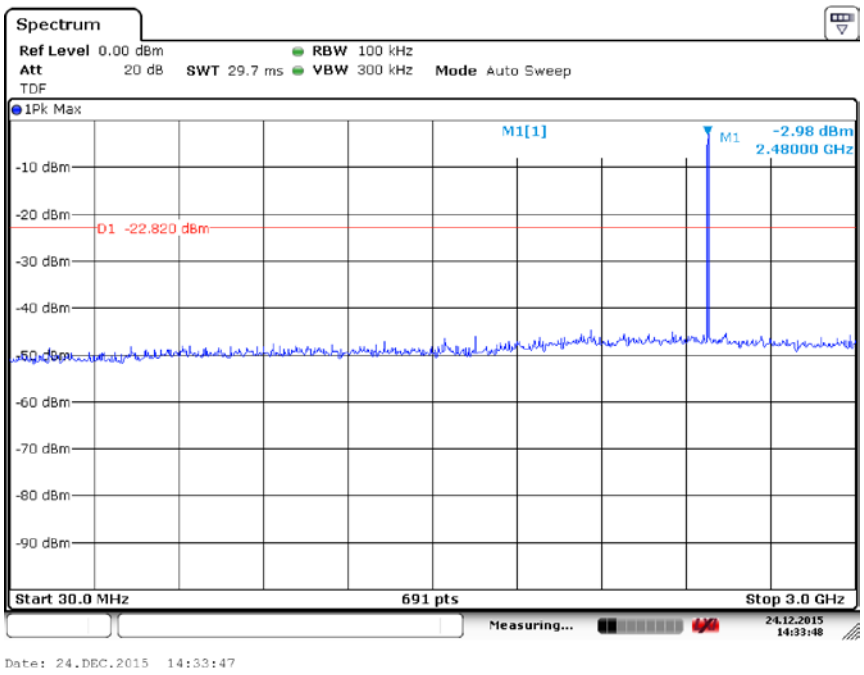

Fig.19 Conducted Spurious Emission (Ch39, 30 MHz-3 GHz)

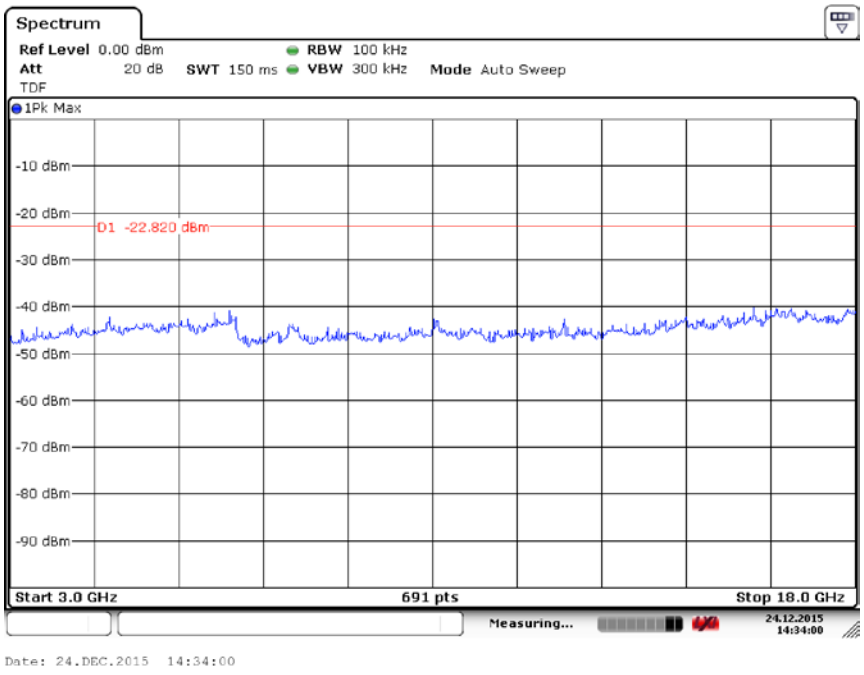

Fig.20 Conducted Spurious Emission (Ch39, 3 GHz-18 GHz)

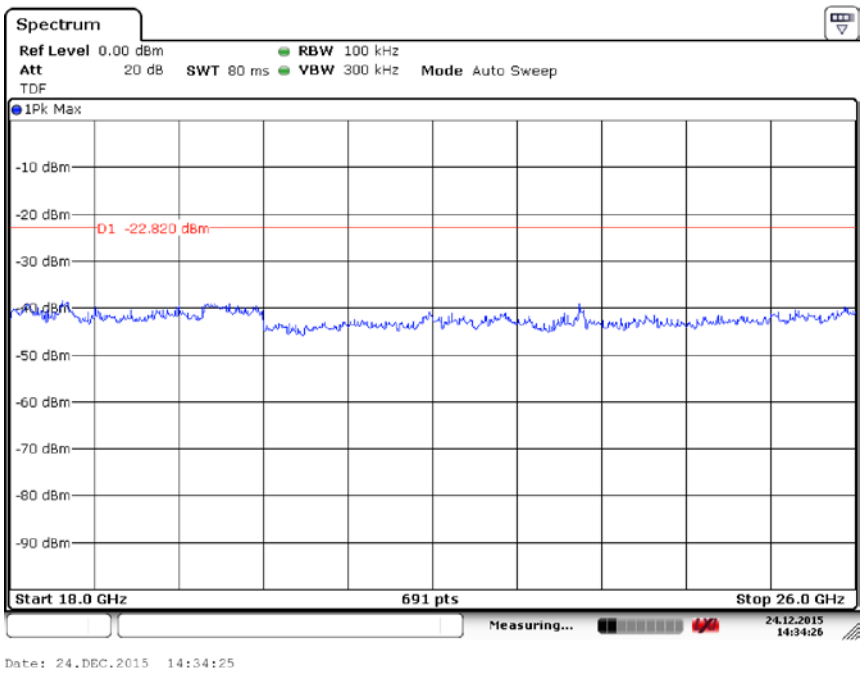

Fig.21 Conducted Spurious Emission (All channels, 18 GHz-26 GHz)

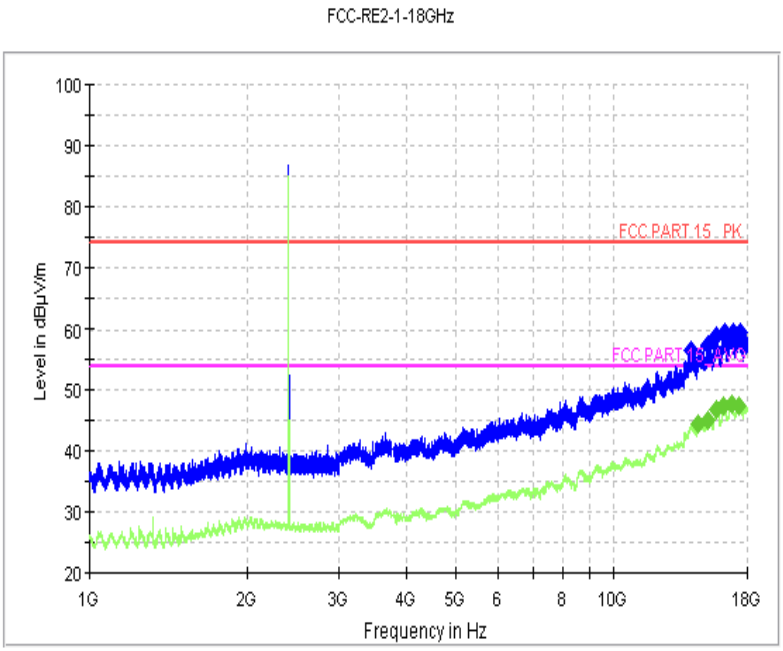

Fig.22 Radiated Spurious Emission (Ch0, 1 GHz-18 GHz)

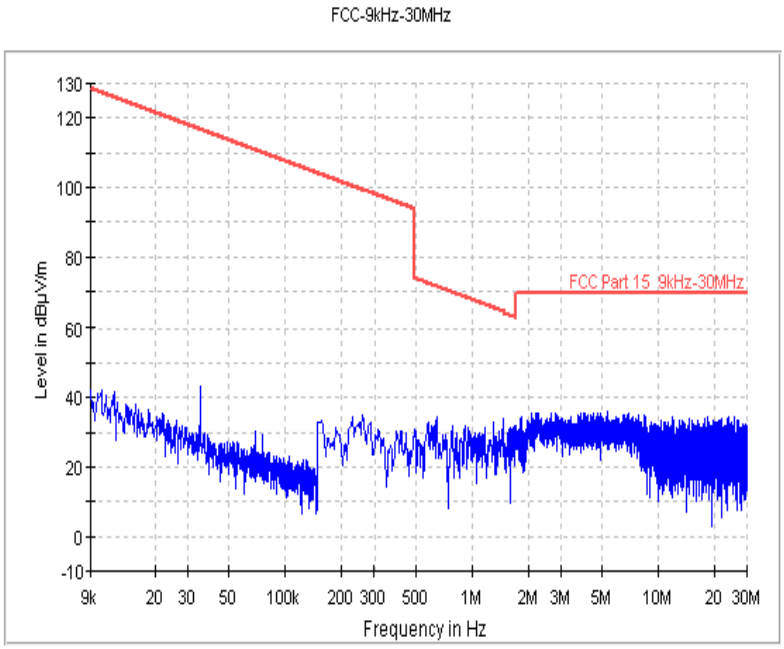

Fig.23 Radiated Spurious Emission (Ch19, 9 kHz ~30MHz)

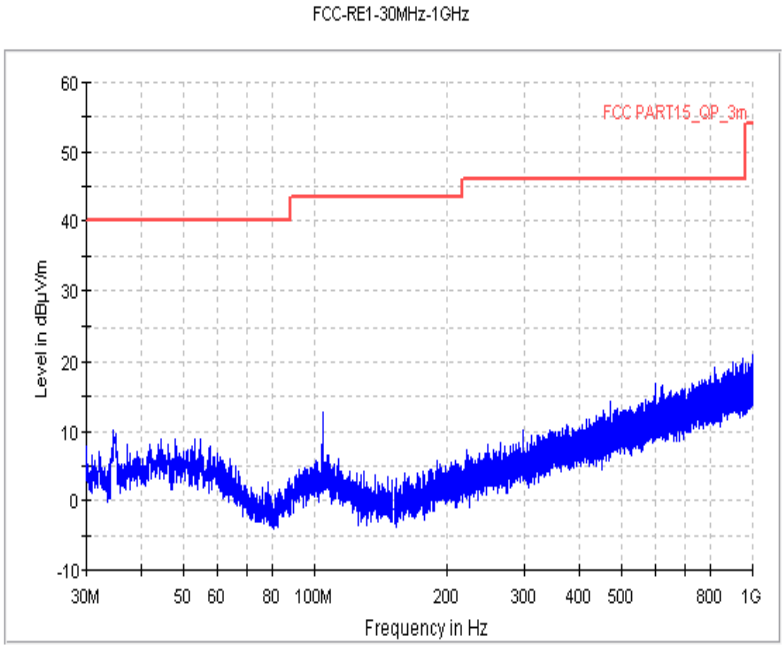

Fig.24 Radiated Spurious Emission (Ch19, 30 MHz ~1 GHz,AE1)

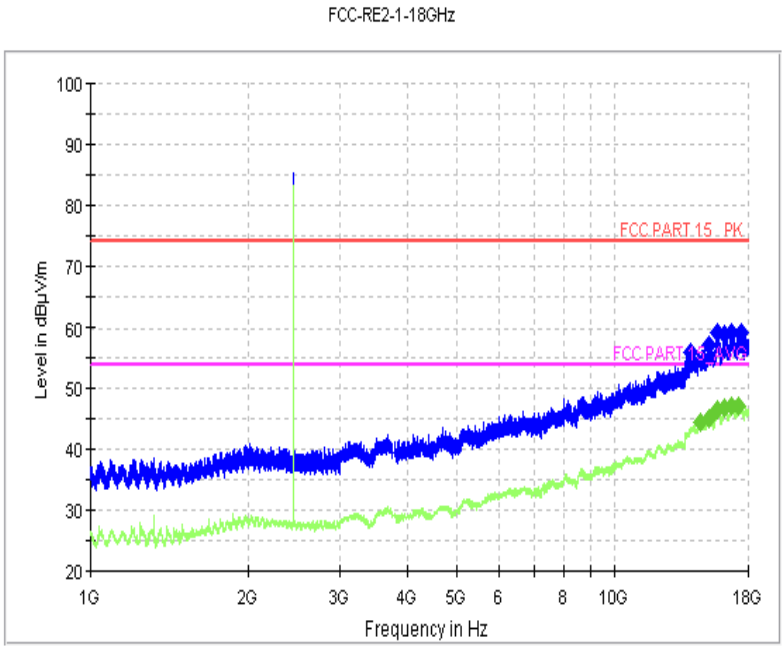

Fig.25 Radiated Spurious Emission (Ch19, 1 GHz-18 GHz)

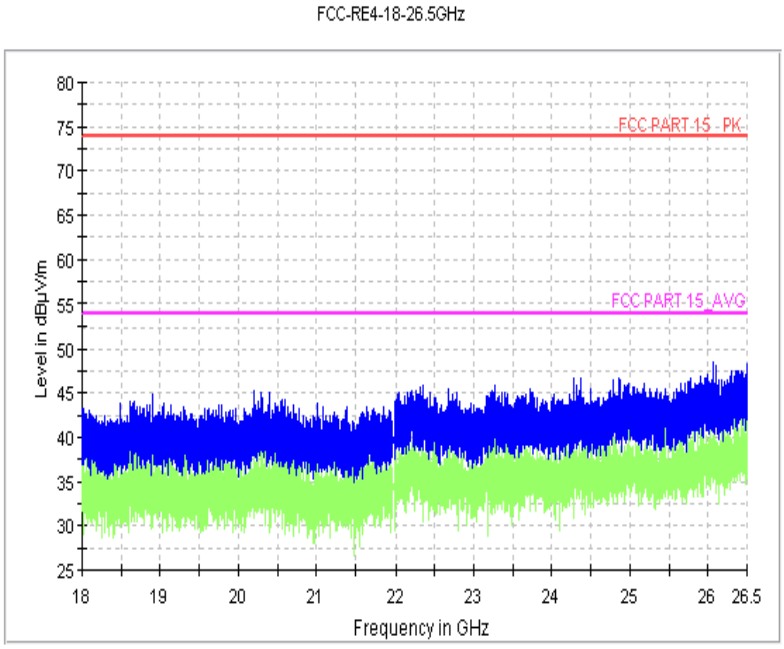

Fig.26 Radiated Spurious Emission (Ch19, 18 GHz-26.5 GHz)

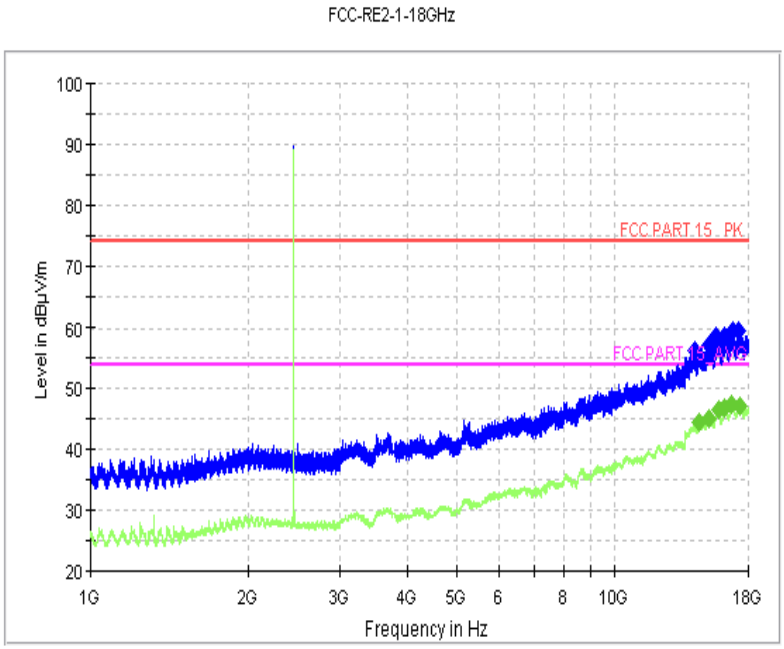

Fig.27 Radiated Spurious Emission (Ch39, 1 GHz-18 GHz)

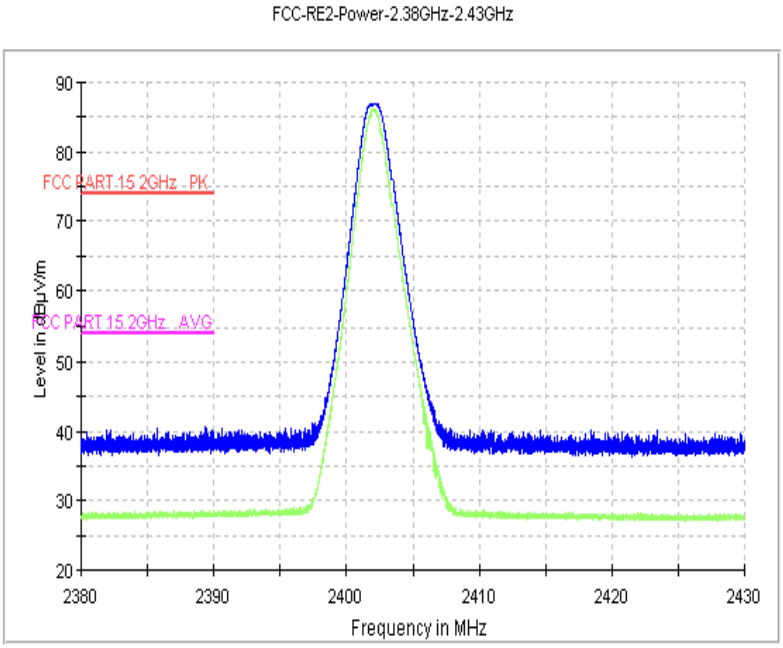

Fig.28 Radiated Emission Power (GFSK, Ch0, 2380GHz~2450GHz)

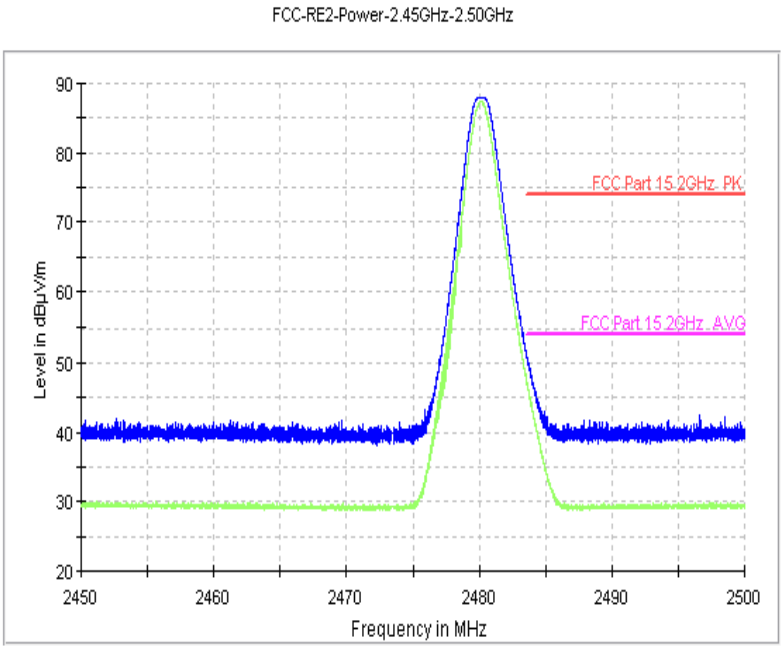

Fig.29 Radiated Emission Power (GFSK, Ch39, 2450GHz~2500GHz)

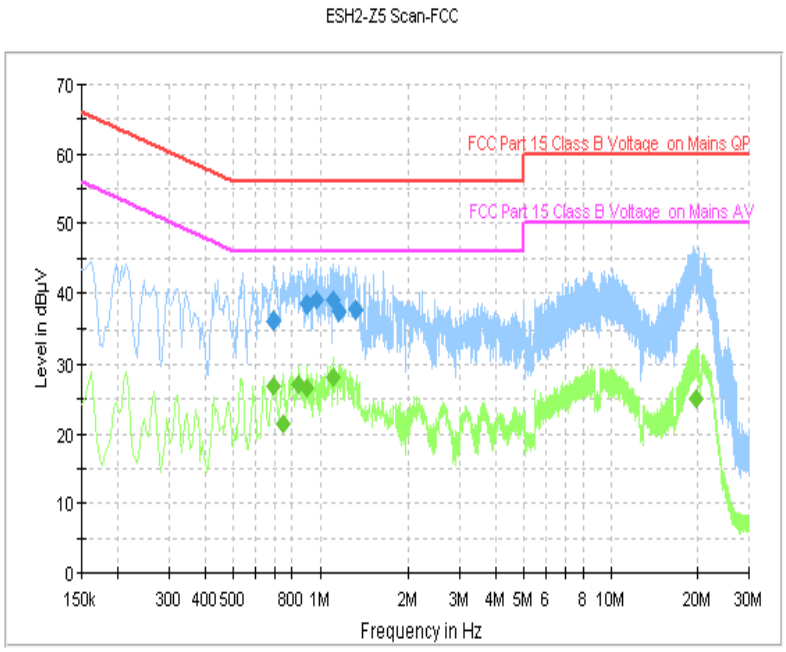

Fig. 30 AC Power line Conducted Emission (Traffic, AE1)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.694000	36.1	GND	N	10.0	19.9	56.0
0.898000	38.4	GND	L1	10.1	17.6	56.0
0.974000	39.1	GND	L1	10.1	16.9	56.0
1.114000	39.0	GND	L1	10.1	17.0	56.0
1.158000	37.3	GND	L1	10.1	18.7	56.0
1.326000	37.7	GND	L1	10.1	18.3	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.690000	27.0	GND	L1	10.0	19.0	46.0
0.746000	21.4	GND	L1	10.0	24.6	46.0
0.846000	27.1	GND	L1	10.0	18.9	46.0
0.898000	26.6	GND	L1	10.1	19.4	46.0
1.114000	28.2	GND	L1	10.1	17.8	46.0
19.694000	25.0	GND	L1	10.5	25.0	50.0

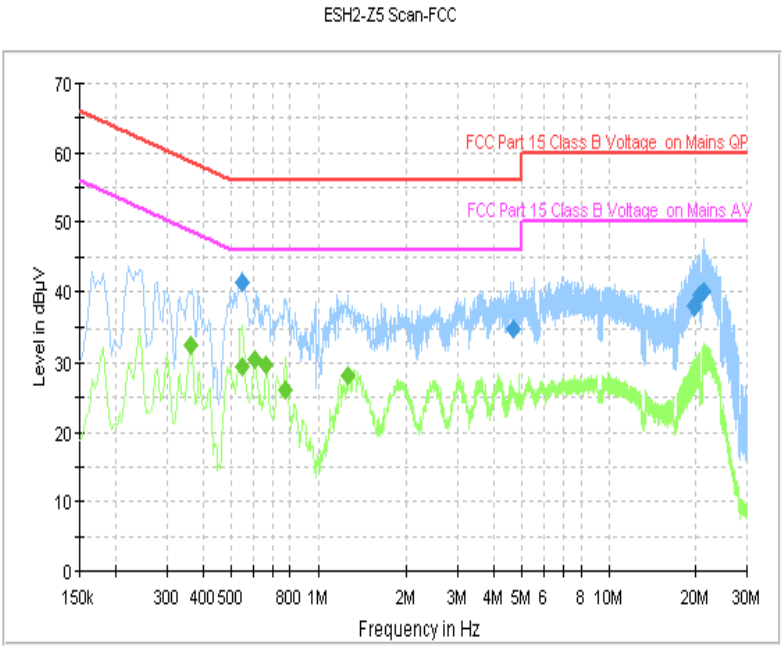

Fig. 31 AC Power line Conducted Emission (Traffic, AE2)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.550000	41.4	GND	L1	10.1	14.6	56.0
4.686000	34.8	GND	L1	10.2	21.2	56.0
19.694000	38.0	GND	L1	10.5	22.0	60.0
20.598000	39.5	GND	L1	10.6	20.5	60.0
21.186000	39.9	GND	L1	10.6	20.1	60.0
21.322000	40.1	GND	L1	10.6	19.9	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.362000	32.5	GND	N	10.1	16.2	48.7
0.550000	29.4	GND	N	10.1	16.6	46.0
0.606000	30.4	GND	N	10.1	15.6	46.0
0.662000	29.8	GND	N	10.0	16.2	46.0
0.774000	26.1	GND	N	10.1	19.9	46.0
1.266000	28.2	GND	N	10.1	17.8	46.0

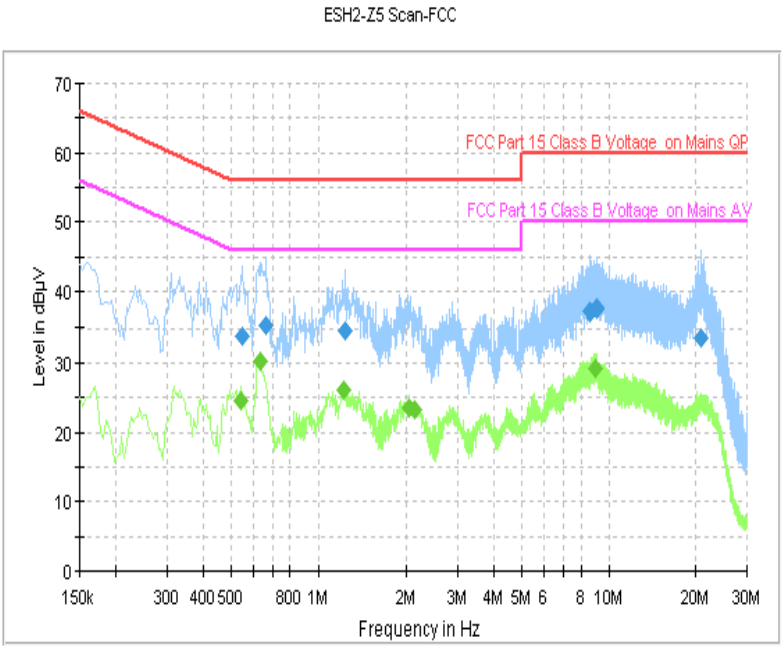

Fig. 32 AC Power line Conducted Emission (Traffic, AE3)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.546000	33.8	GND	N	10.1	22.2	56.0
0.662000	35.5	GND	L1	10.0	20.5	56.0
1.242000	34.6	GND	L1	10.1	21.4	56.0
8.634000	37.1	GND	L1	10.3	22.9	60.0
9.114000	37.8	GND	L1	10.3	22.2	60.0
20.878000	33.7	GND	N	10.7	26.3	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.542000	24.4	GND	L1	10.1	21.6	46.0
0.634000	30.1	GND	L1	10.0	15.9	46.0
1.222000	26.2	GND	L1	10.1	19.8	46.0
2.050000	23.5	GND	L1	10.1	22.5	46.0
2.126000	23.1	GND	L1	10.1	22.9	46.0
8.946000	29.1	GND	L1	10.3	20.9	50.0

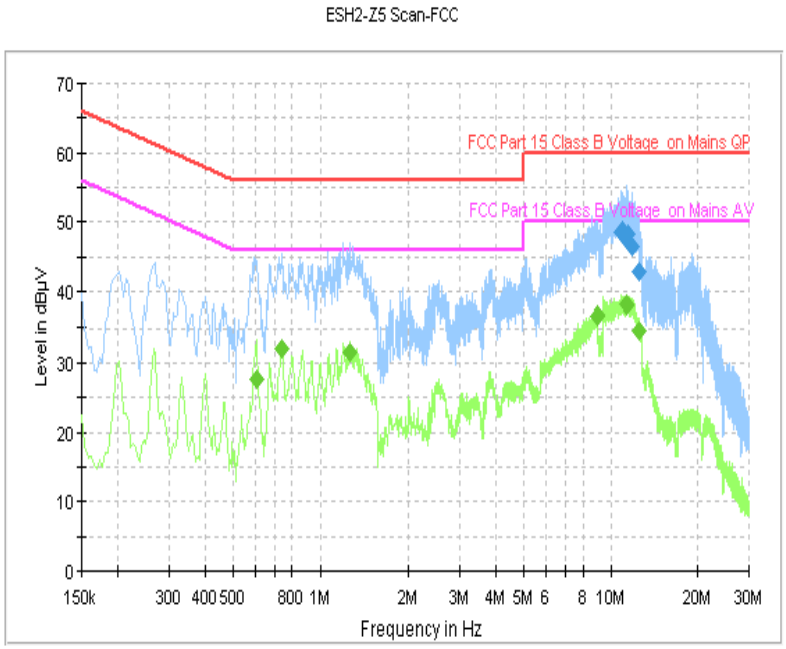

Fig. 33 AC Power line Conducted Emission (Traffic, AE4)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
10.842000	48.6	GND	L1	10.3	11.4	60.0
10.910000	48.9	GND	L1	10.3	11.1	60.0
11.394000	47.6	GND	L1	10.3	12.4	60.0
11.454000	48.3	GND	L1	10.3	11.7	60.0
11.858000	46.4	GND	L1	10.4	13.6	60.0
12.522000	42.8	GND	L1	10.4	17.2	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.602000	27.6	GND	L1	10.0	18.4	46.0
0.734000	32.0	GND	L1	10.0	14.0	46.0
1.266000	31.6	GND	L1	10.1	14.4	46.0
8.962000	36.6	GND	L1	10.3	13.4	50.0
11.302000	38.2	GND	L1	10.3	11.8	50.0
12.454000	34.6	GND	L1	10.4	15.4	50.0

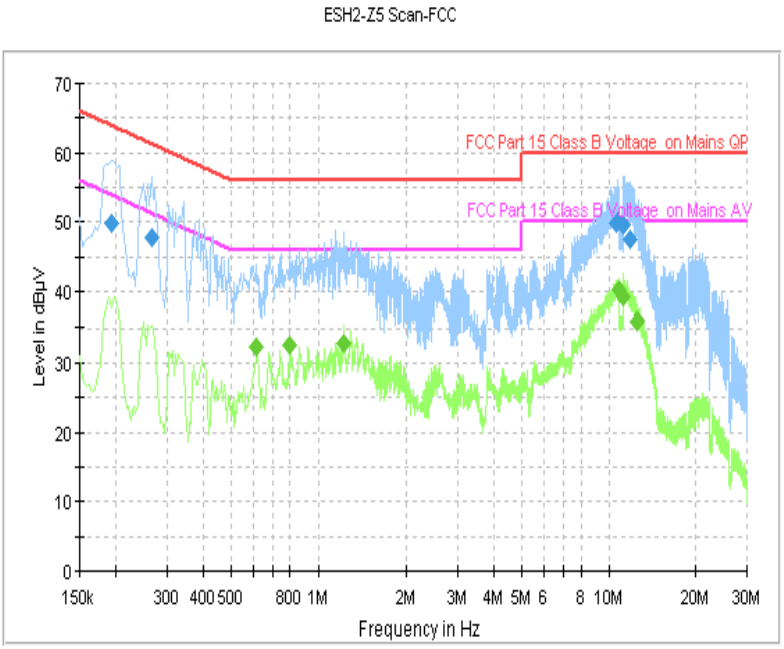

Fig. 34 AC Power line Conducted Emission (Traffic, AE5)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.194000	49.8	GND	L1	10.0	14.1	63.9
0.266000	47.9	GND	L1	10.0	13.4	61.2
10.594000	49.8	GND	L1	10.3	10.2	60.0
10.738000	50.1	GND	L1	10.3	9.9	60.0
11.258000	49.5	GND	L1	10.3	10.5	60.0
11.882000	47.6	GND	L1	10.4	12.4	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.614000	32.3	GND	N	10.0	13.7	46.0
0.798000	32.5	GND	L1	10.1	13.5	46.0
1.230000	32.8	GND	L1	10.1	13.2	46.0
10.826000	40.3	GND	L1	10.3	9.7	50.0
11.258000	39.4	GND	L1	10.3	10.6	50.0
12.458000	35.9	GND	L1	10.4	14.1	50.0

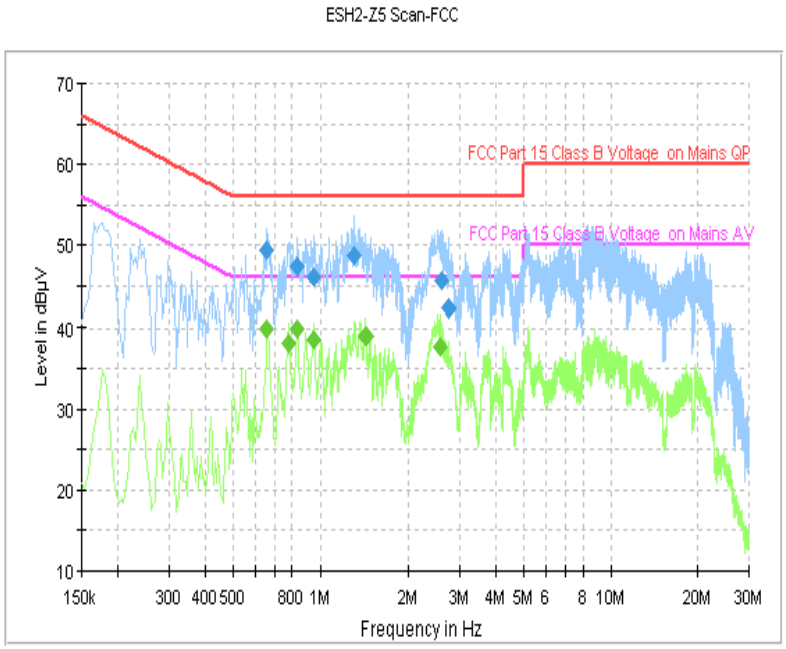

Fig. 35 AC Power line Conducted Emission (Traffic, AE6)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.654000	49.3	GND	L1	10.0	6.7	56.0
0.830000	47.4	GND	L1	10.0	8.6	56.0
0.954000	46.1	GND	L1	10.1	9.9	56.0
1.306000	48.6	GND	L1	10.1	7.4	56.0
2.590000	45.7	GND	L1	10.2	10.3	56.0
2.738000	42.3	GND	L1	10.1	13.7	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.654000	39.9	GND	L1	10.0	6.1	46.0
0.778000	38.0	GND	L1	10.1	8.0	46.0
0.830000	39.8	GND	L1	10.0	6.2	46.0
0.954000	38.5	GND	L1	10.1	7.5	46.0
1.434000	39.0	GND	L1	10.1	7.0	46.0
2.574000	37.6	GND	L1	10.2	8.4	46.0

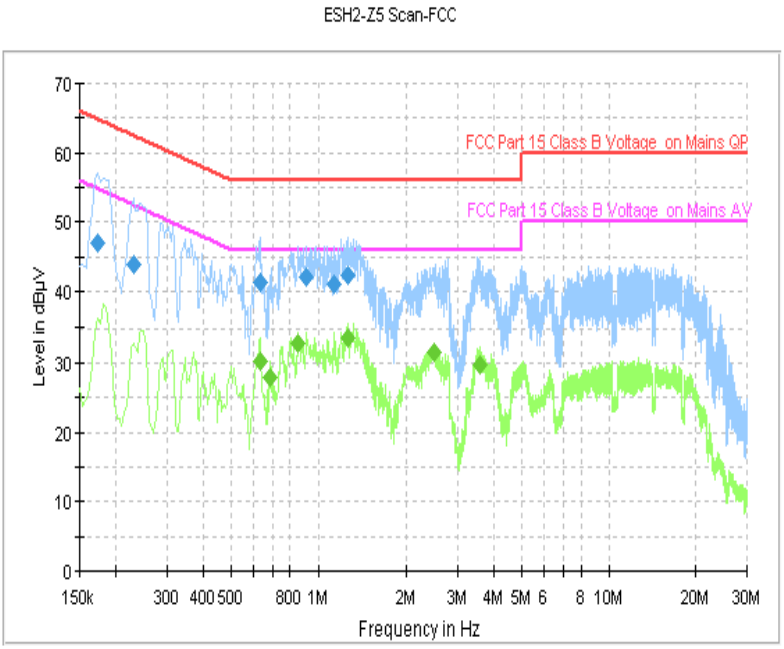

Fig. 36 AC Power line Conducted Emission (Traffic, AE7)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.174000	47.1	GND	L1	10.0	17.7	64.8
0.230000	44.0	GND	L1	10.0	18.4	62.4
0.630000	41.2	GND	L1	10.0	14.8	56.0
0.914000	42.0	GND	L1	10.1	14.0	56.0
1.138000	41.0	GND	L1	10.1	15.0	56.0
1.262000	42.3	GND	L1	10.1	13.7	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.630000	30.2	GND	L1	10.0	15.8	46.0
0.686000	28.0	GND	L1	10.0	18.0	46.0
0.854000	32.9	GND	L1	10.0	13.1	46.0
1.262000	33.6	GND	L1	10.1	12.4	46.0
2.478000	31.5	GND	L1	10.2	14.5	46.0
3.574000	29.6	GND	L1	10.2	16.4	46.0

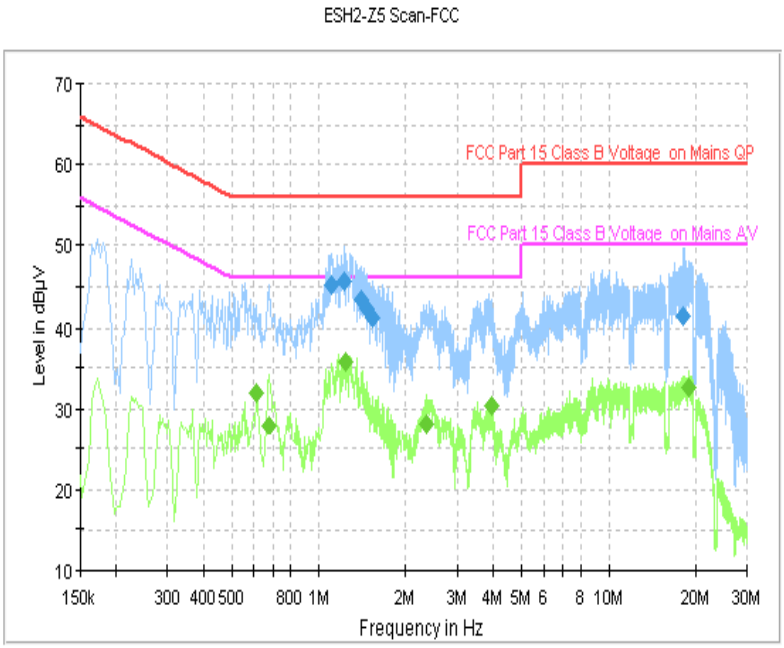

Fig. 37 AC Power line Conducted Emission (Traffic, AE8)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
1.114000	45.3	GND	L1	10.1	10.7	56.0
1.226000	45.7	GND	L1	10.1	10.3	56.0
1.394000	43.4	GND	L1	10.1	12.6	56.0
1.470000	42.3	GND	L1	10.1	13.7	56.0
1.530000	41.2	GND	L1	10.1	14.8	56.0
18.046000	41.5	GND	L1	10.5	18.5	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.614000	32.0	GND	N	10.0	14.0	46.0
0.674000	27.8	GND	N	10.0	18.2	46.0
1.234000	35.8	GND	L1	10.1	10.2	46.0
2.366000	28.2	GND	L1	10.1	17.8	46.0
3.942000	30.3	GND	L1	10.2	15.7	46.0
18.914000	32.6	GND	L1	10.5	17.4	50.0

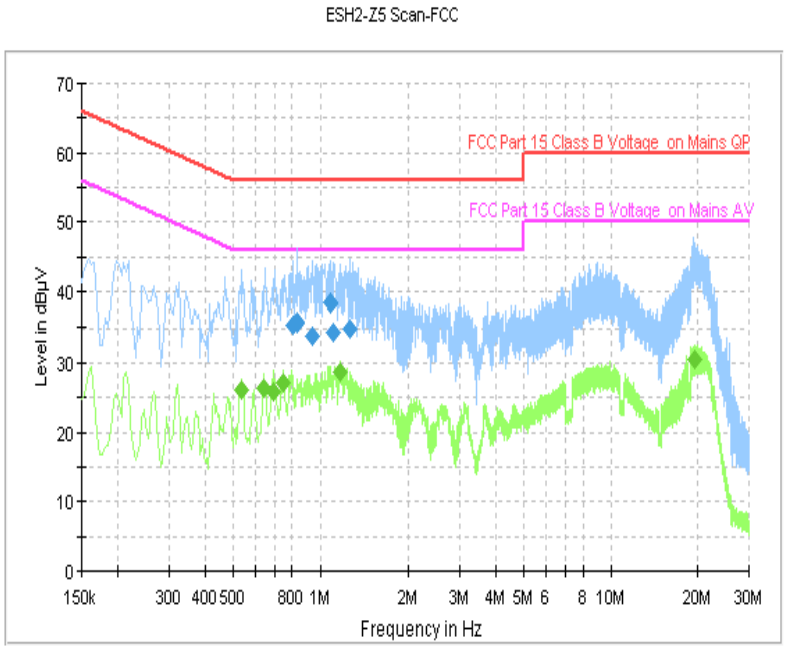

Fig. 38 AC Power line Conducted Emission (Idle, AE1)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.806000	35.5	GND	N	10.1	20.5	56.0
0.830000	35.6	GND	N	10.0	20.4	56.0
0.938000	33.7	GND	N	10.1	22.3	56.0
1.082000	38.6	GND	L1	10.1	17.4	56.0
1.106000	34.3	GND	N	10.1	21.7	56.0
1.266000	34.9	GND	N	10.1	21.1	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.538000	26.1	GND	L1	10.1	19.9	46.0
0.638000	26.3	GND	L1	10.0	19.7	46.0
0.690000	25.8	GND	L1	10.0	20.2	46.0
0.746000	27.1	GND	L1	10.0	18.9	46.0
1.174000	28.6	GND	L1	10.1	17.4	46.0
19.466000	30.5	GND	L1	10.5	19.5	50.0

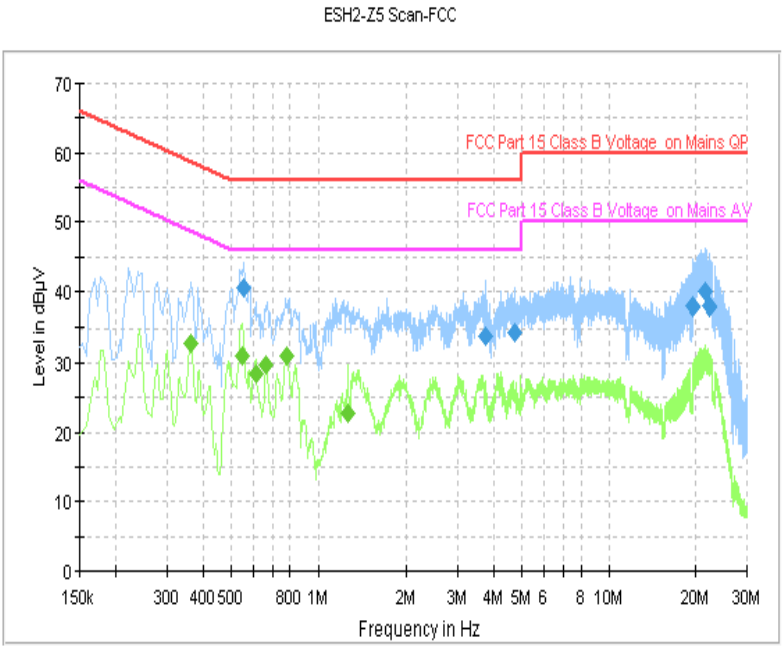

Fig. 39 AC Power line Conducted Emission (Idle, AE2)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.554000	40.5	GND	N	10.1	15.5	56.0
3.738000	33.8	GND	N	10.2	22.2	56.0
4.750000	34.4	GND	L1	10.2	21.6	56.0
19.594000	37.9	GND	L1	10.5	22.1	60.0
21.426000	40.1	GND	L1	10.6	19.9	60.0
22.314000	37.9	GND	L1	10.6	22.1	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.362000	32.7	GND	N	10.1	16.0	48.7
0.550000	30.9	GND	N	10.1	15.1	46.0
0.610000	28.3	GND	N	10.0	17.7	46.0
0.662000	29.7	GND	N	10.0	16.3	46.0
0.782000	31.1	GND	N	10.1	14.9	46.0
1.266000	22.8	GND	N	10.1	23.2	46.0

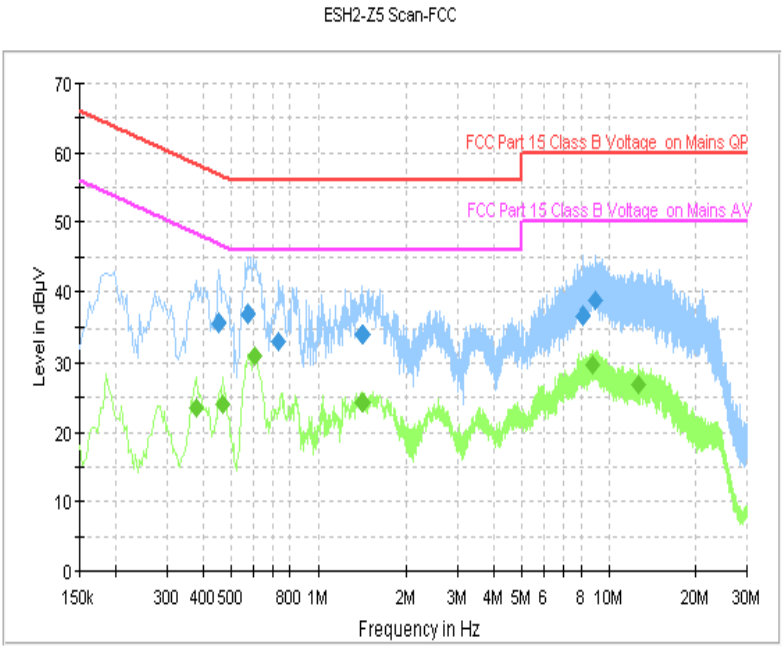

Fig. 40 AC Power line Conducted Emission (Idle, AE3)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.454000	35.5	GND	N	10.1	21.3	56.8
0.570000	37.0	GND	L1	10.1	19.0	56.0
0.730000	33.0	GND	L1	10.0	23.0	56.0
1.422000	34.1	GND	L1	10.1	21.9	56.0
8.170000	36.6	GND	L1	10.3	23.4	60.0
9.014000	38.9	GND	L1	10.3	21.1	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.378000	23.4	GND	L1	10.0	24.9	48.3
0.470000	23.9	GND	L1	10.0	22.6	46.5
0.602000	31.0	GND	L1	10.0	15.0	46.0
1.410000	24.3	GND	L1	10.1	21.7	46.0
8.774000	29.6	GND	L1	10.3	20.4	50.0
12.682000	26.8	GND	L1	10.4	23.2	50.0

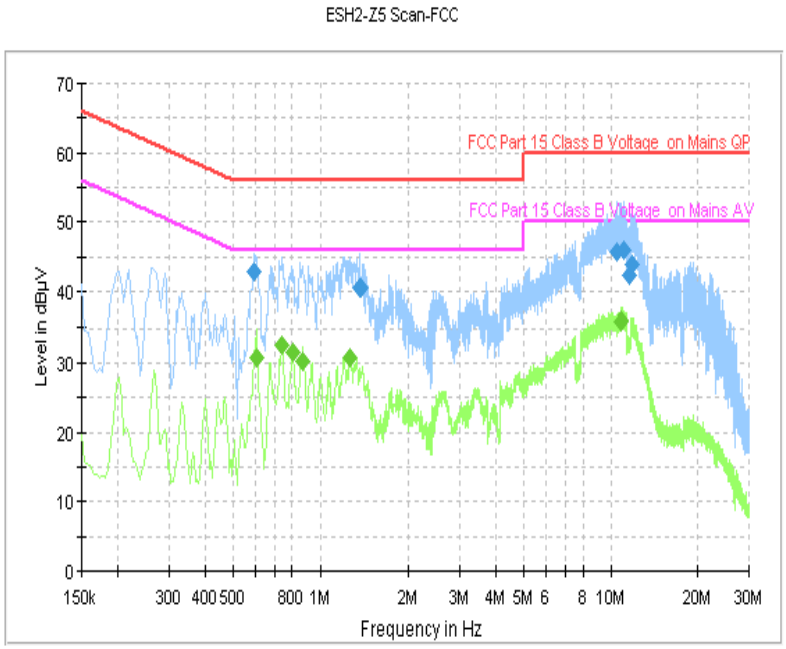

Fig. 41 AC Power line Conducted Emission (Idle, AE4)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.590000	42.8	GND	L1	10.1	13.2	56.0
1.374000	40.5	GND	L1	10.1	15.5	56.0
10.482000	45.8	GND	L1	10.3	14.2	60.0
11.102000	45.9	GND	L1	10.3	14.1	60.0
11.626000	42.3	GND	N	10.4	17.7	60.0
11.782000	43.9	GND	L1	10.3	16.1	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.602000	30.8	GND	L1	10.0	15.2	46.0
0.738000	32.6	GND	L1	10.0	13.4	46.0
0.806000	31.6	GND	L1	10.1	14.4	46.0
0.866000	30.2	GND	L1	10.1	15.8	46.0
1.274000	30.9	GND	L1	10.1	15.1	46.0
10.866000	36.0	GND	L1	10.3	14.0	50.0

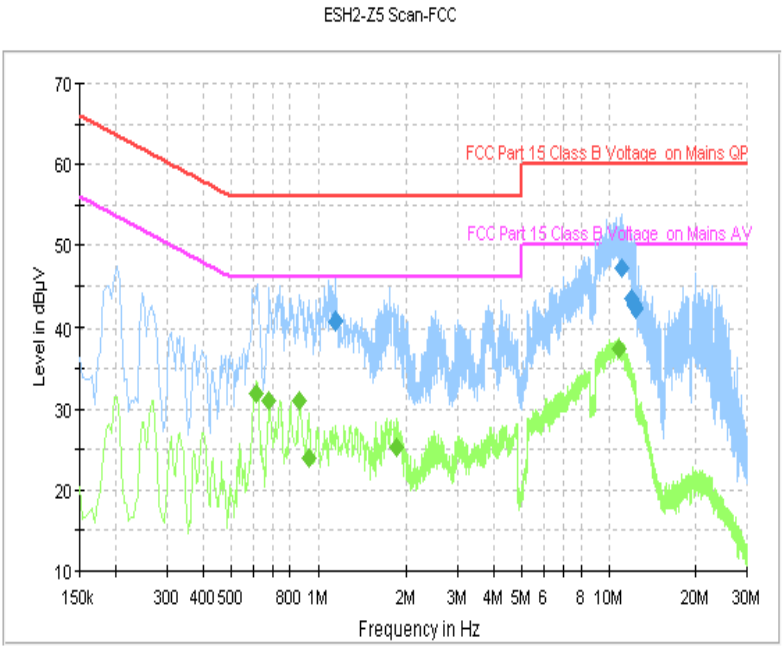

Fig. 42 AC Power line Conducted Emission (Idle, AE5)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
1.154000	40.8	GND	L1	10.1	15.2	56.0
11.122000	47.3	GND	L1	10.3	12.7	60.0
12.038000	43.4	GND	L1	10.4	16.6	60.0
12.282000	42.7	GND	L1	10.4	17.3	60.0
12.298000	42.5	GND	L1	10.4	17.5	60.0
12.338000	42.4	GND	L1	10.4	17.6	60.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.610000	31.8	GND	L1	10.0	14.2	46.0
0.678000	31.1	GND	L1	10.0	14.9	46.0
0.862000	31.1	GND	L1	10.0	14.9	46.0
0.926000	24.0	GND	L1	10.1	22.0	46.0
1.850000	25.4	GND	L1	10.1	20.6	46.0
10.834000	37.4	GND	L1	10.3	z12.6	50.0

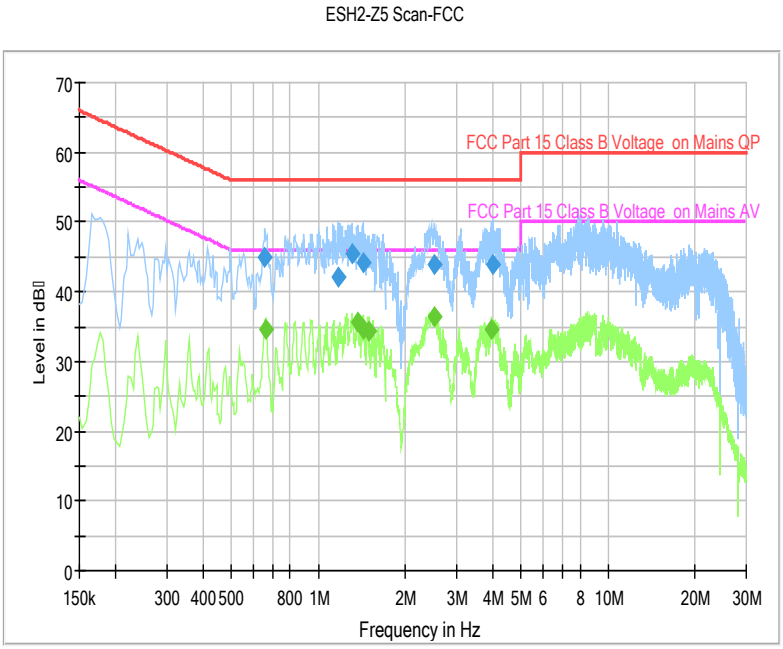

Fig. 43 AC Power line Conducted Emission (Idle, AE6)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.654000	44.9	GND	L1	10.0	11.1	56.0
1.170000	42.0	GND	N	10.1	14.0	56.0
1.306000	45.4	GND	L1	10.1	10.6	56.0
1.426000	44.0	GND	L1	10.1	12.0	56.0
2.518000	43.8	GND	N	10.2	12.2	56.0
3.998000	43.8	GND	N	10.2	12.2	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.658000	34.5	GND	N	10.0	11.5	46.0
1.370000	35.7	GND	L1	10.1	10.3	46.0
1.434000	34.6	GND	L1	10.1	11.4	46.0
1.490000	34.4	GND	L1	10.1	11.6	46.0
2.506000	36.3	GND	N	10.2	9.7	46.0
3.966000	34.6	GND	L1	10.2	11.4	46.0

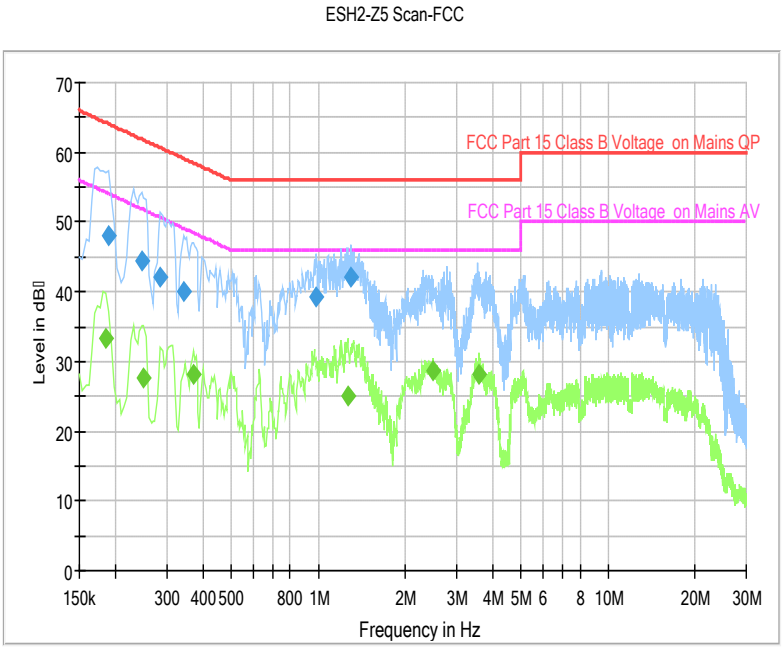

Fig. 44 AC Power line Conducted Emission (Idle, AE7)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.190000	47.9	GND	L1	10.0	16.1	64.0
0.246000	44.5	GND	L1	10.0	17.4	61.9
0.286000	42.2	GND	L1	10.0	18.5	60.6
0.342000	40.2	GND	L1	10.0	19.0	59.2
0.986000	39.2	GND	L1	10.1	16.8	56.0
1.290000	42.0	GND	L1	10.1	14.0	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.186000	33.4	GND	L1	10.0	20.8	54.2
0.250000	27.5	GND	L1	10.0	24.2	51.8
0.370000	28.1	GND	L1	10.0	20.4	48.5
1.266000	25.2	GND	L1	10.1	20.8	46.0
2.482000	28.6	GND	L1	10.2	17.4	46.0
3.578000	28.0	GND	L1	10.2	18.0	46.0

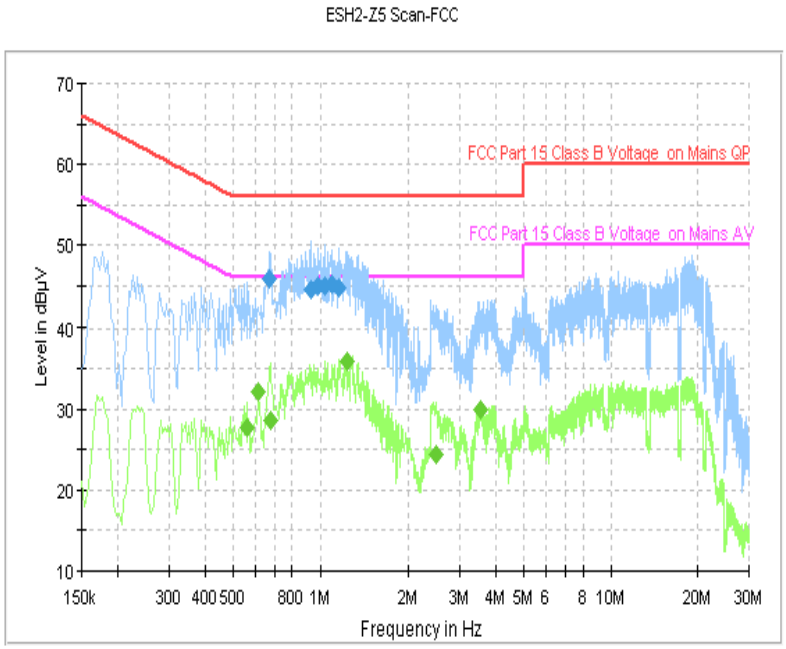

Fig. 45 AC Power line Conducted Emission (Idle, AE8)

MEASUREMENT RESULT: " QuasiPeak "

Frequency (MHz)	QuasiPeak (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.666000	45.9	GND	L1	10.0	10.1	56.0
0.926000	44.6	GND	L1	10.1	11.4	56.0
0.982000	44.9	GND	L1	10.1	11.1	56.0
1.042000	45.0	GND	L1	10.1	11.0	56.0
1.102000	45.1	GND	L1	10.1	10.9	56.0
1.166000	44.8	GND	L1	10.1	11.2	56.0

MEASUREMENT RESULT: " Average "

Frequency (MHz)	Average (dBuV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.558000	27.6	GND	L1	10.1	18.4	46.0
0.614000	32.1	GND	N	10.0	13.9	46.0
0.674000	28.7	GND	L1	10.0	17.3	46.0
1.234000	35.8	GND	L1	10.1	10.2	46.0
2.478000	24.3	GND	L1	10.2	21.7	46.0
3.534000	29.9	GND	L1	10.2	16.1	46.0

ANNEX C: Persons involved in this testing

Test Name	Tester
Maximum Peak Output Power	Xu Ye, Tang Weisheng
Peak Power Spectral Density	Xu Ye, Tang Weisheng
Occupied 6dB Bandwidth	Xu Ye, Tang Weisheng
Band Edges Compliance	Xu Ye, Tang Weisheng
Transmitter Spurious Emission - Conducted	Xu Ye, Tang Weisheng
Transmitter Spurious Emission - Radiated	Xu Ye, Tang Weisheng
AC Powerline Conducted Emission	Xu Ye, Tang Weisheng

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