TEST REPORT

No. I22N00378-BLE

TCL Communication Ltd.

Tablet PC

Model Name: 9132X

with

Hardware Version: PIO

Software Version: CS61

FCC ID: 2ACCJB176

Issued Date: 2022-03-18

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:

Shenzhen Academy of Information and Communications Technology

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1. Summary of Test Report

1.1. Test Items

Description	Tablet PC
Model Name	9132X
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

Please refer to 5.2 Test Results.

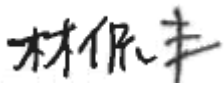
1.4. Testing Location

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:	2022-02-10
Testing End Date:	2022-03-10

1.6. Signature



Lin Kanfeng

(Prepared this test report)

An Ran

(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:	Peter yang
E-Mail:	peter.yang@tcl.com
Telephone:	+86 755 3664 5759
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:	Peter yang
E-Mail:	peter.yang@tcl.com
Telephone:	+86 755 3664 5759
FAX:	0086-755-36612000-81722

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

3.1. About EUT

Description	Tablet PC
Model Name	9132X
Frequency Range	2400MHz~2483.5MHz
Type of Modulation	GFSK
Number of Channels	40
Antenna Type	Integrated
Antenna Gain	1.9 dBi
Power Supply	3.85V DC by Battery
FCC ID	2ACCJB176
Condition of EUT as received	No abnormality in appearance

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version	Receive Date
UT04aa	/	PIO	CS61	2022-02-10
UT02aa	/	PIO	CS61	2022-02-23

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

*UT04aa is used for Conduction test; UT02aa is used for Radiation test.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	Battery	CAC4000018C7
AE2	Adapter	CBA0058AATC5
AE3	Adapter	CBA0058ABTC5
AE4	Adapter	CBA0058AGTC5
AE5	USB Cable	CDA0000162C2
AE6	USB Cable	CDA0000162C1

*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 and Charger. 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.

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.

According to the customer's description, 9132X is a variant product of 9132G. Conduction test results were from the initial model. And Radiation test is new. The initial model report number is I22N00113-BLE.

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	2022-12-29	1 year
2	Power Sensor	U2021XA	MY55430013	Agilent	2022-12-29	1 year
3	Data Acquisiton	U2531A	TW55443507	Agilent	/	/

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Date	Calibration Period
1	LISN	ENV216	102067	R&S	2022-07-15	1 year
2	Test Receiver	ESCI	100702	R&S	2023-01-12	1 year
3	Loop Antenna	HLA6120	35779	TESEQ	2022-04-25	3 year
4	BiLog Antenna	3142E	0224831	ETS-Lindgren	2024-05-27	3 year
5	Horn Antenna	3117	00066577	ETS-Lindgren	2022-04-02	3 year
6	Test Receiver	ESR7	101676	R&S	2022-11-24	1 year
7	Spectrum Analyzer	FSV40	101192	R&S	2023-01-12	1 year
8	Chamber	FACT3-2.0	1285	ETS-Lindgren	2023-05-29	2 year
9	Antenna	QSH-SL-18-26-S-20	17013	Q-par	2023-01-06	3 year
10	Antenna	QSH-SL-18-40-K-SG	15979	Q-par	2023-01-06	3 year

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

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

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 1.9 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:

Mode	Frequency (MHz)	Peak Conducted Output Power (dBm)	E.I.R.P (dBm)	Conclusion
LE-1M	2402 (CH0)	-2.25	-0.35	P
	2440 (CH19)	-0.53	1.37	P
	2480 (CH39)	-1.61	0.29	P
LE-2M	2402 (CH0)	-2.40	-0.50	P
	2440 (CH19)	-0.72	1.18	P
	2480 (CH39)	-1.77	0.13	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	-18.84	P
	2440 (CH19)	Fig.2	-17.26	P
	2480 (CH39)	Fig.3	-18.22	P
LE-2M	2402 (CH0)	Fig.4	-22.72	P
	2440 (CH19)	Fig.5	-21.10	P
	2480 (CH39)	Fig.6	-22.11	P

See below for test graphs.

Conclusion: PASS

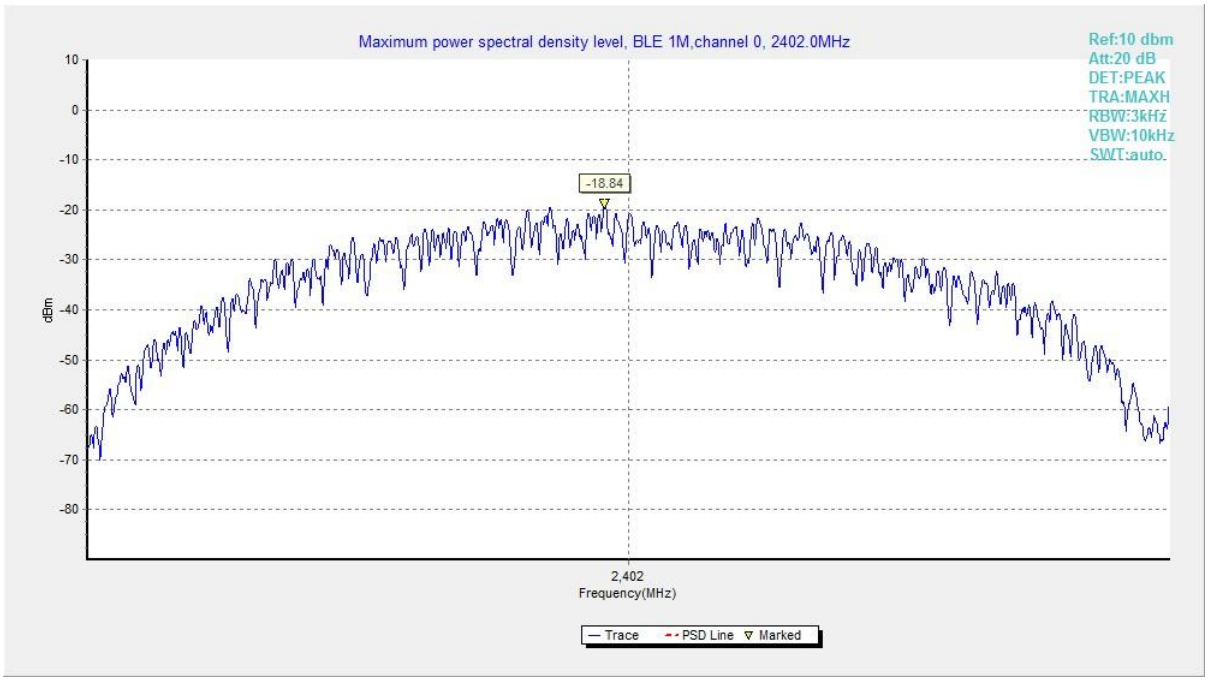


Fig.1 Power Spectral Density (Ch 0), LE 1M

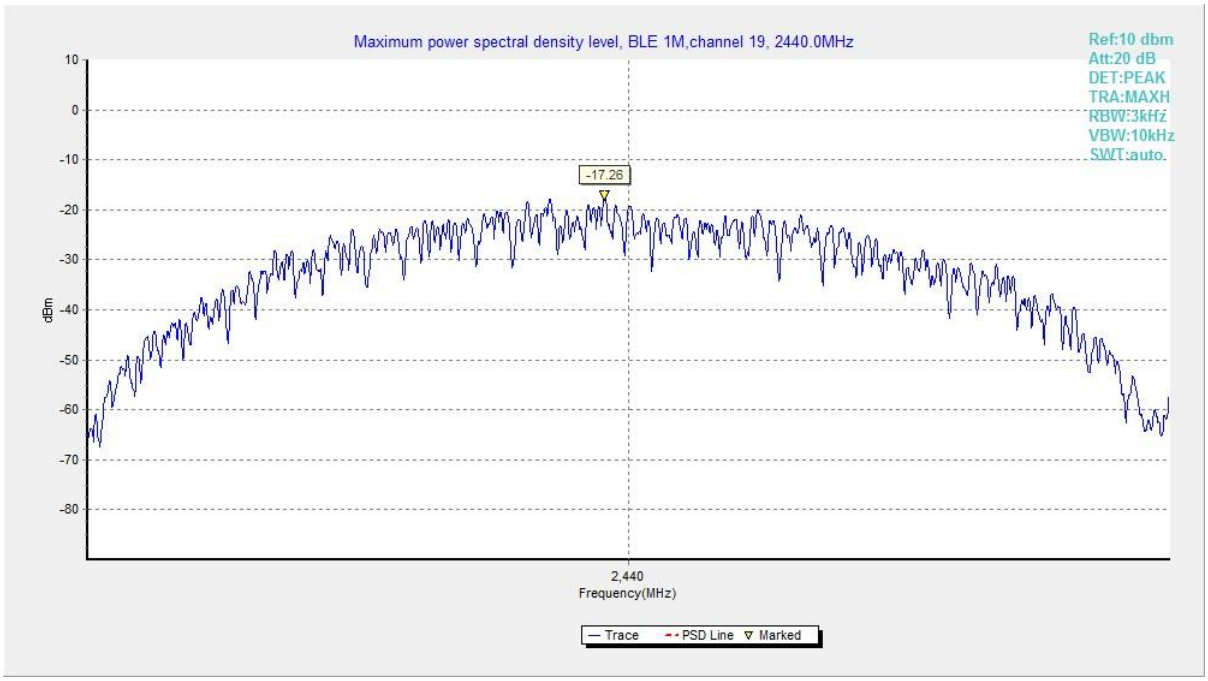


Fig.2 Power Spectral Density (Ch 19), LE 1M

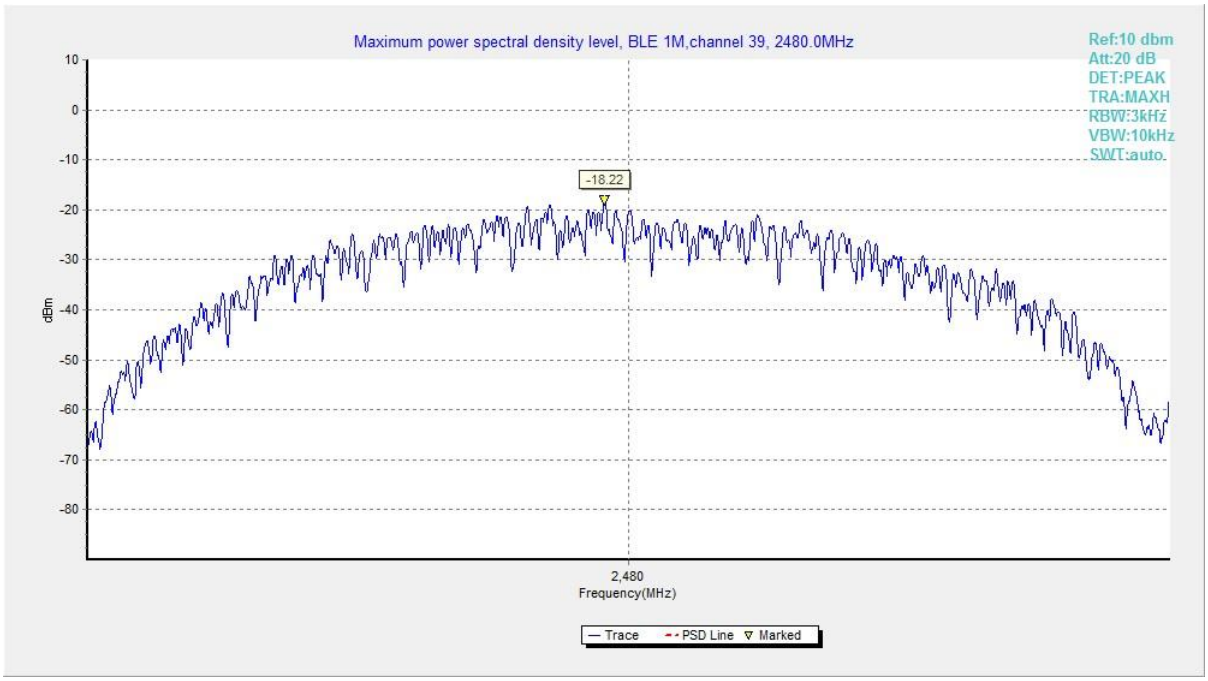


Fig.3 Power Spectral Density (Ch 39), LE 1M

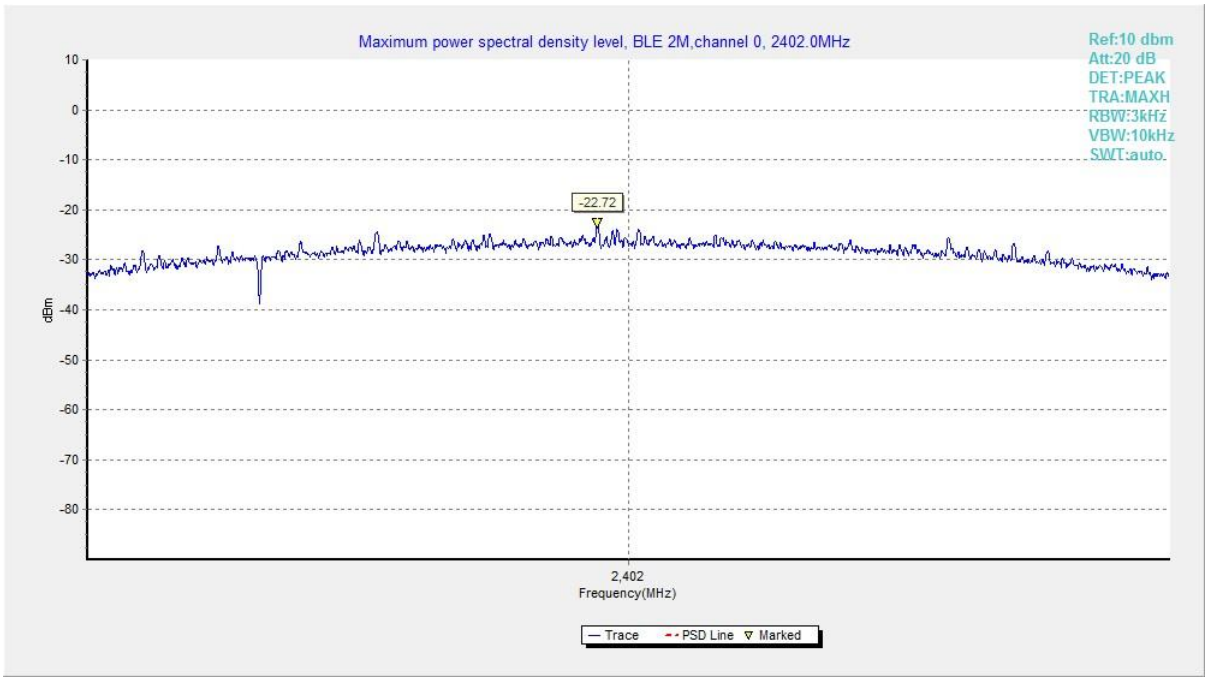


Fig.4 Power Spectral Density (Ch 0), LE 2M

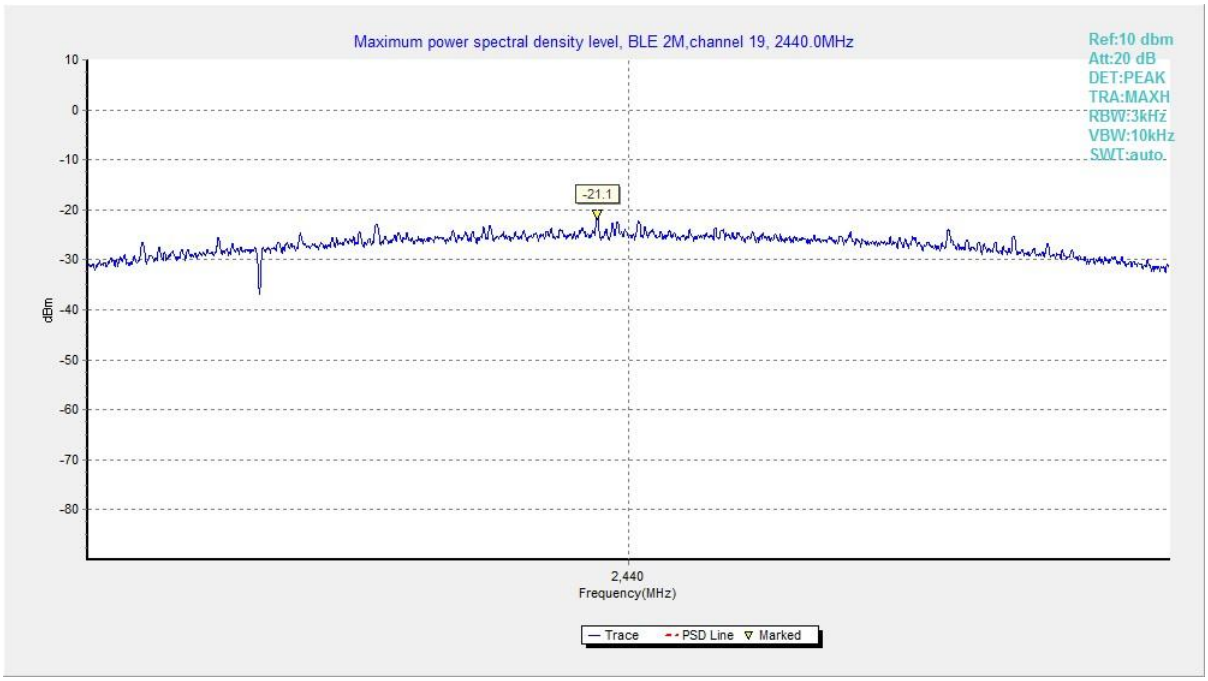


Fig.5 Power Spectral Density (Ch 19), LE 2M

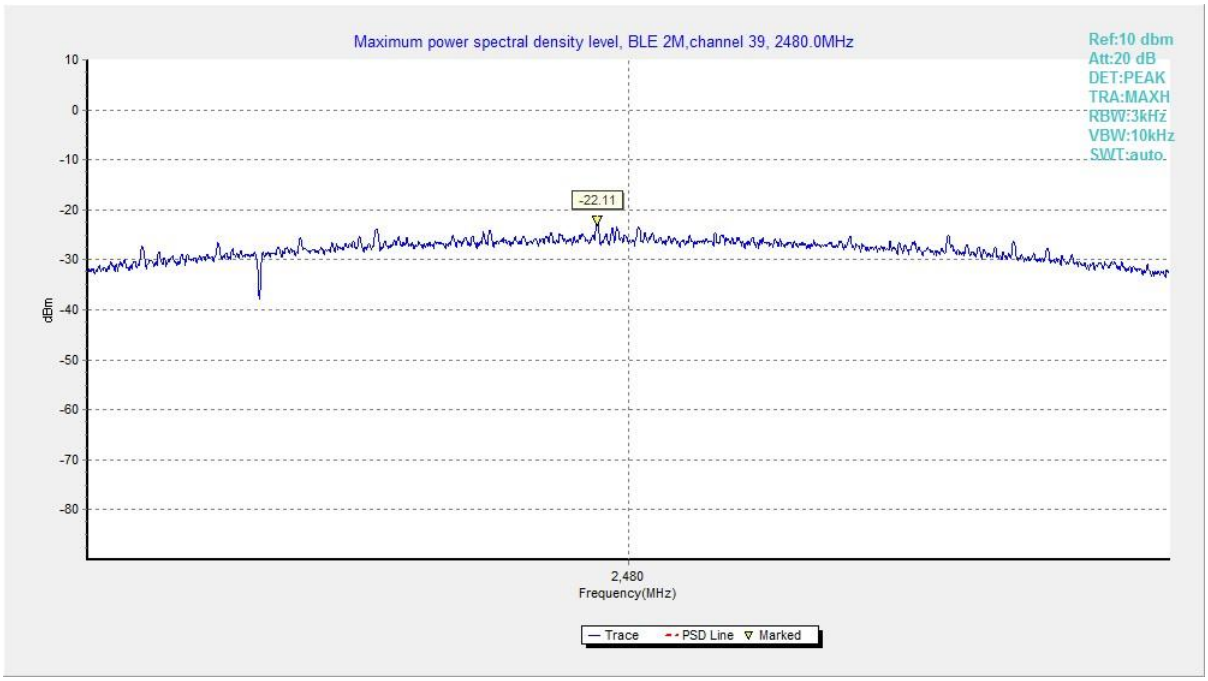


Fig.6 Power Spectral Density (Ch 39), LE 2M

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.7	667.00	P
	2440 (CH19)	Fig.8	667.00	P
	2480 (CH39)	Fig.9	665.50	P
LE-2M	2402 (CH0)	Fig.10	1169.00	P
	2440 (CH19)	Fig.11	1170.50	P
	2480 (CH39)	Fig.12	1172.50	P

See below for test graphs.

Conclusion: PASS

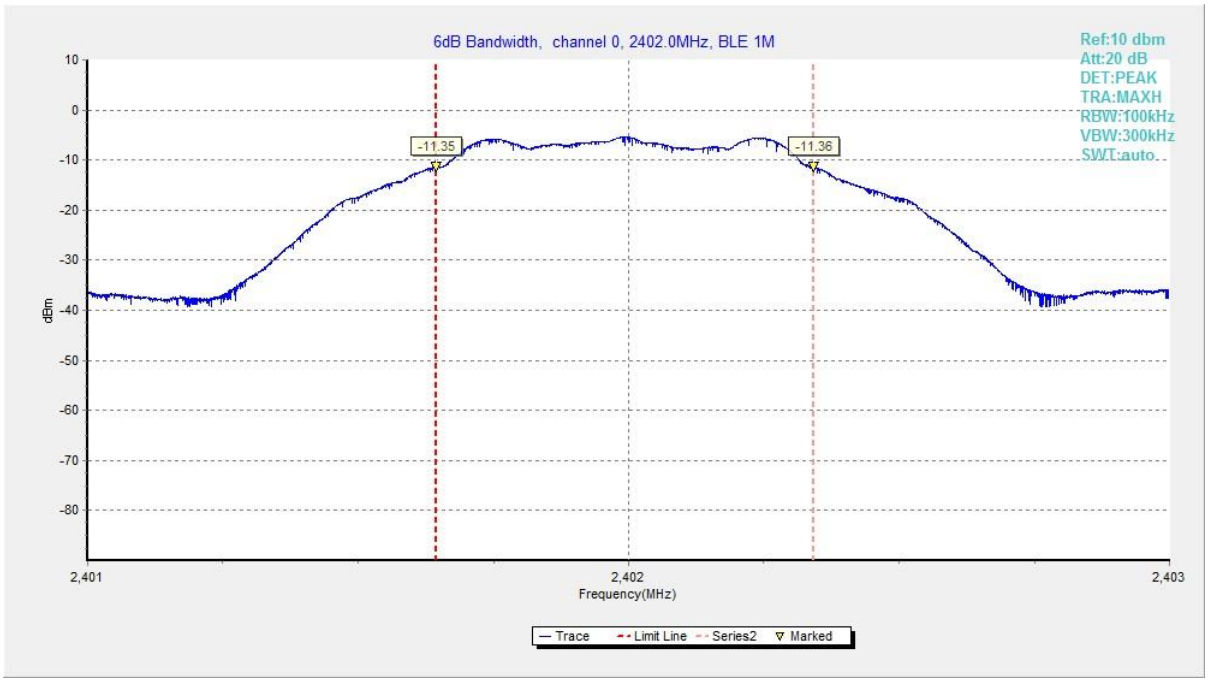


Fig.7 6dB Bandwidth (Ch 0), LE 1M

Fig.8 6dB Bandwidth (Ch 19), LE 1M

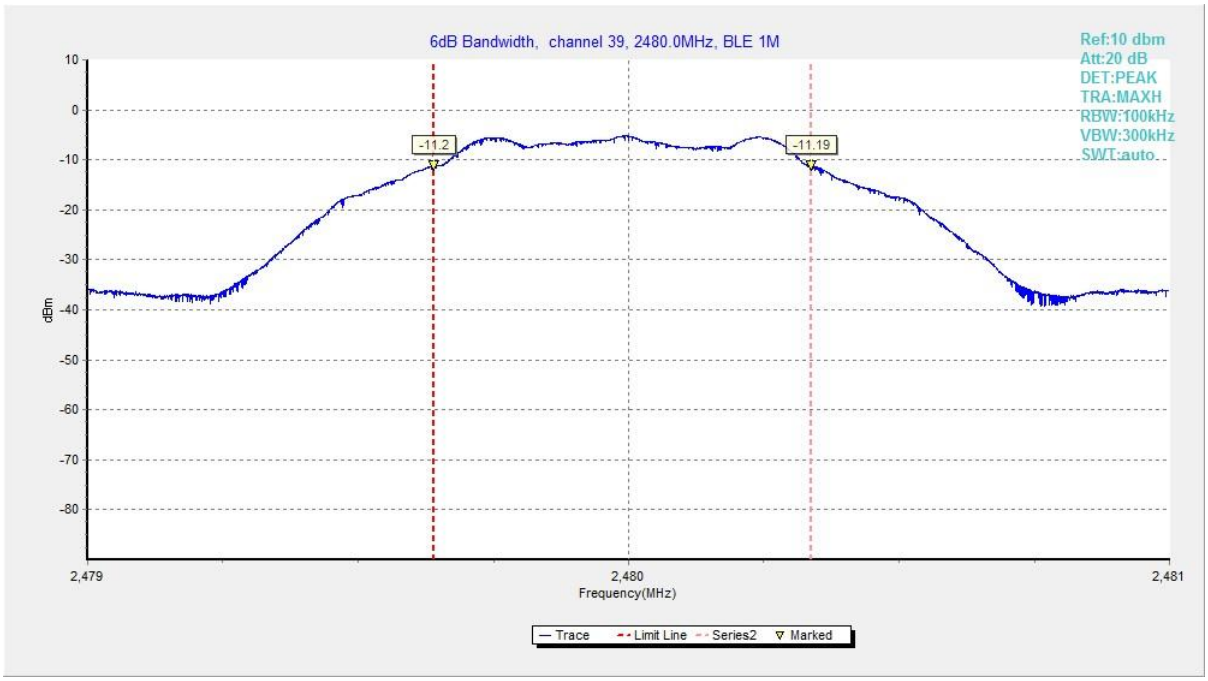


Fig.9 6dB Bandwidth (Ch 39), LE 1M

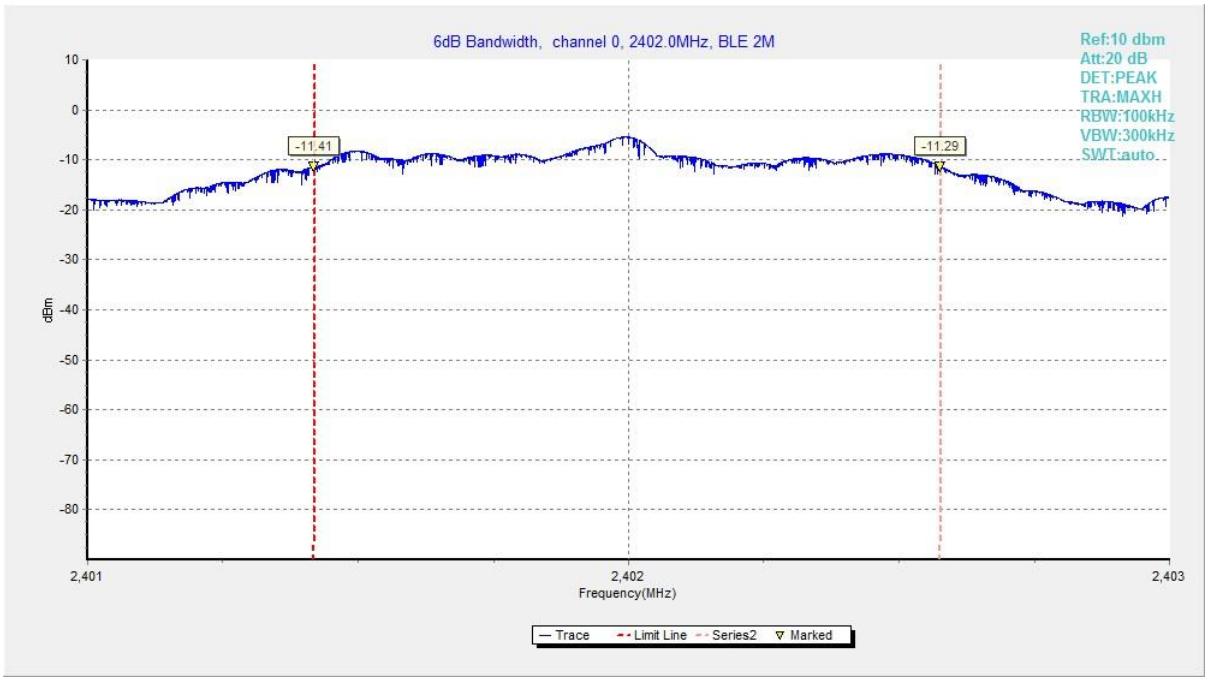


Fig.10 6dB Bandwidth (Ch 0), LE 2M

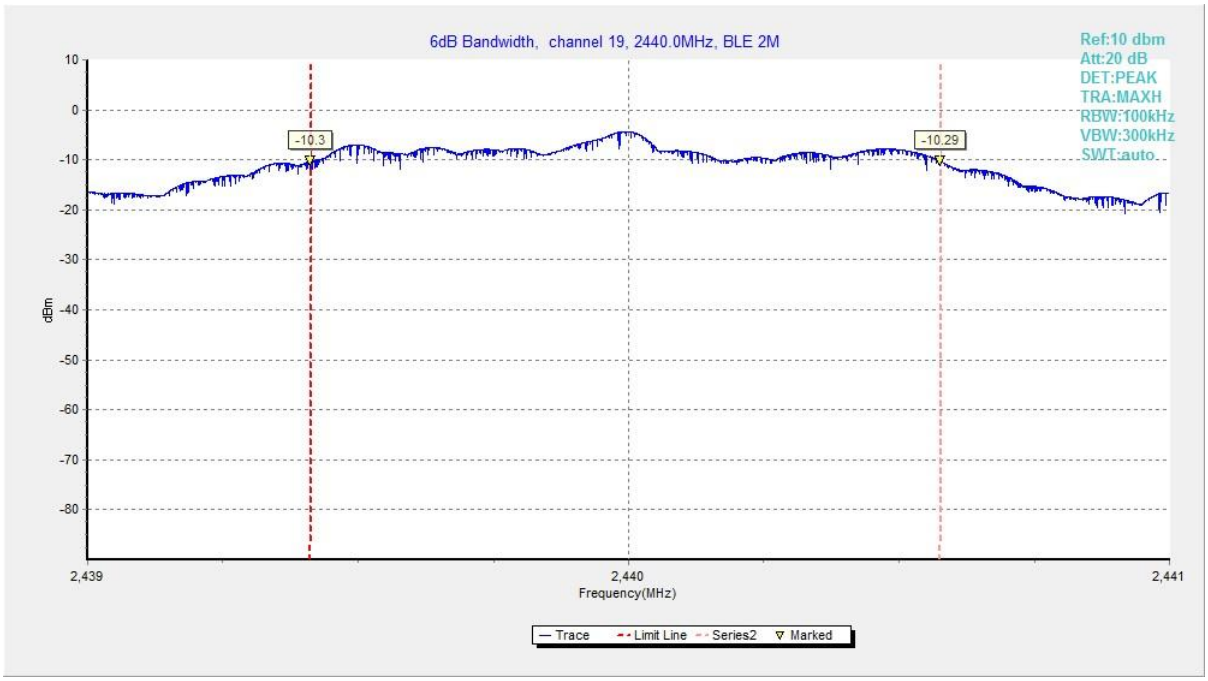


Fig.11 6dB Bandwidth (Ch 19), LE 2M

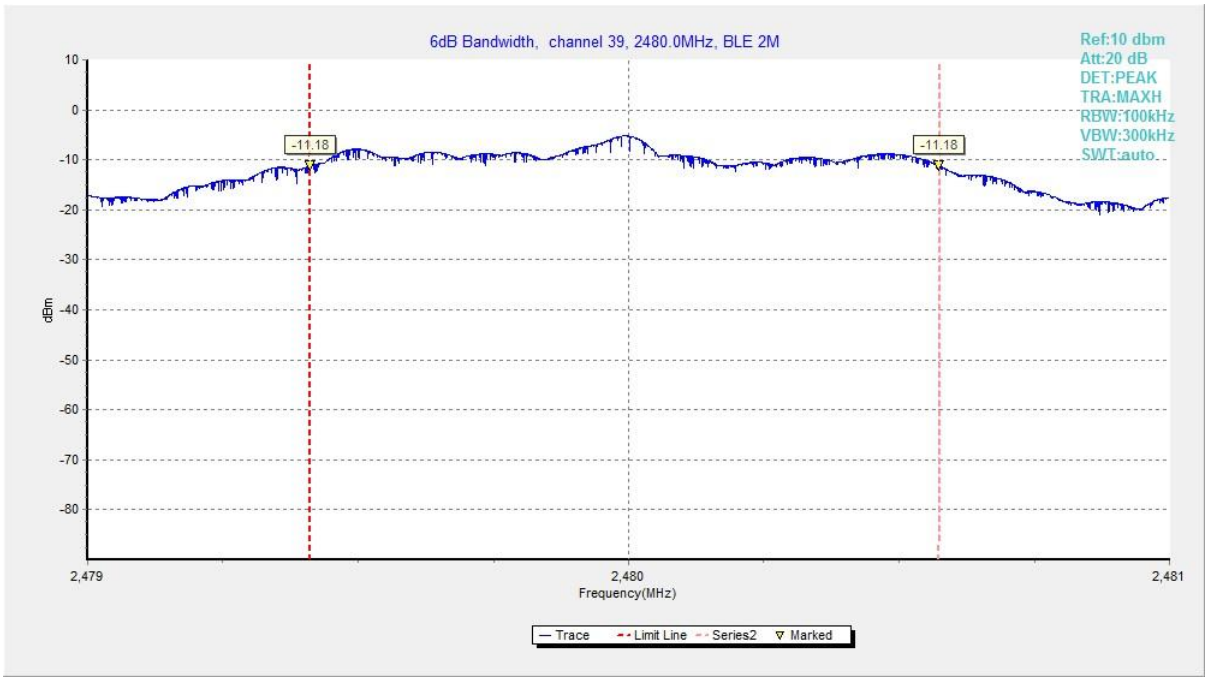


Fig.12 6dB Bandwidth (Ch 39), LE 2M

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.13	56.80	P
	2480 (CH39)	Fig.14	56.95	P
LE-2M	2402 (CH0)	Fig.15	31.59	P
	2480 (CH39)	Fig.16	56.17	P

See below for test graphs.

Conclusion: Pass

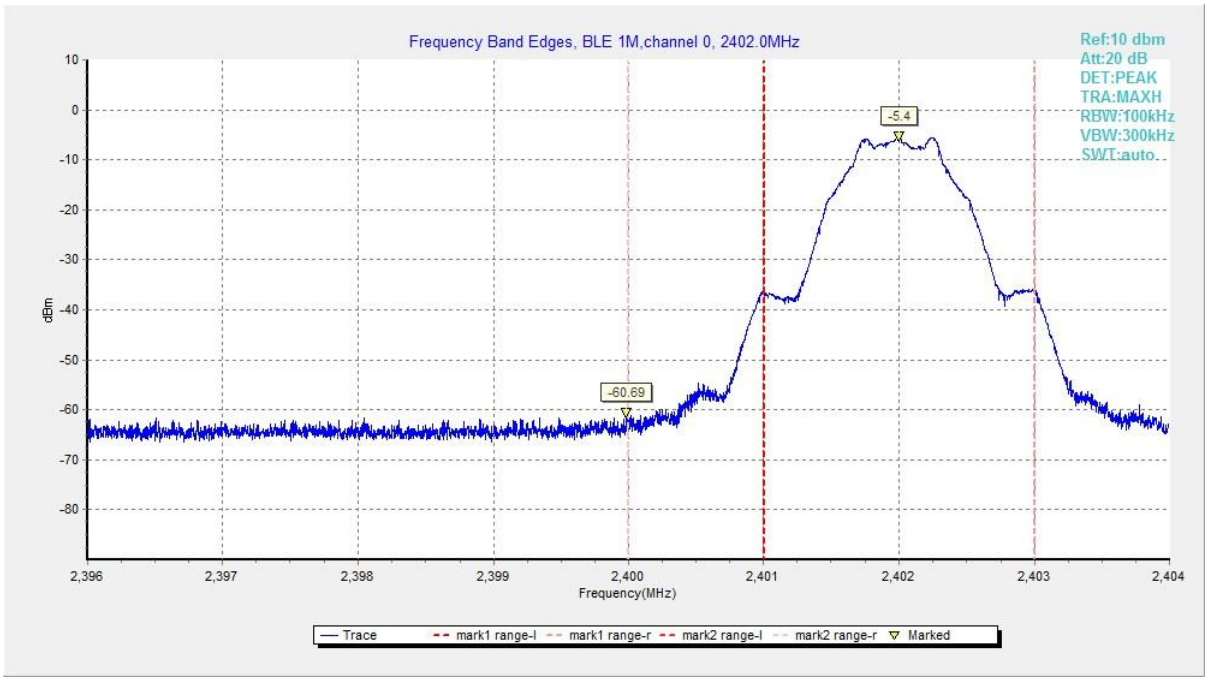


Fig.13 Band Edges (Ch 0), LE 1M

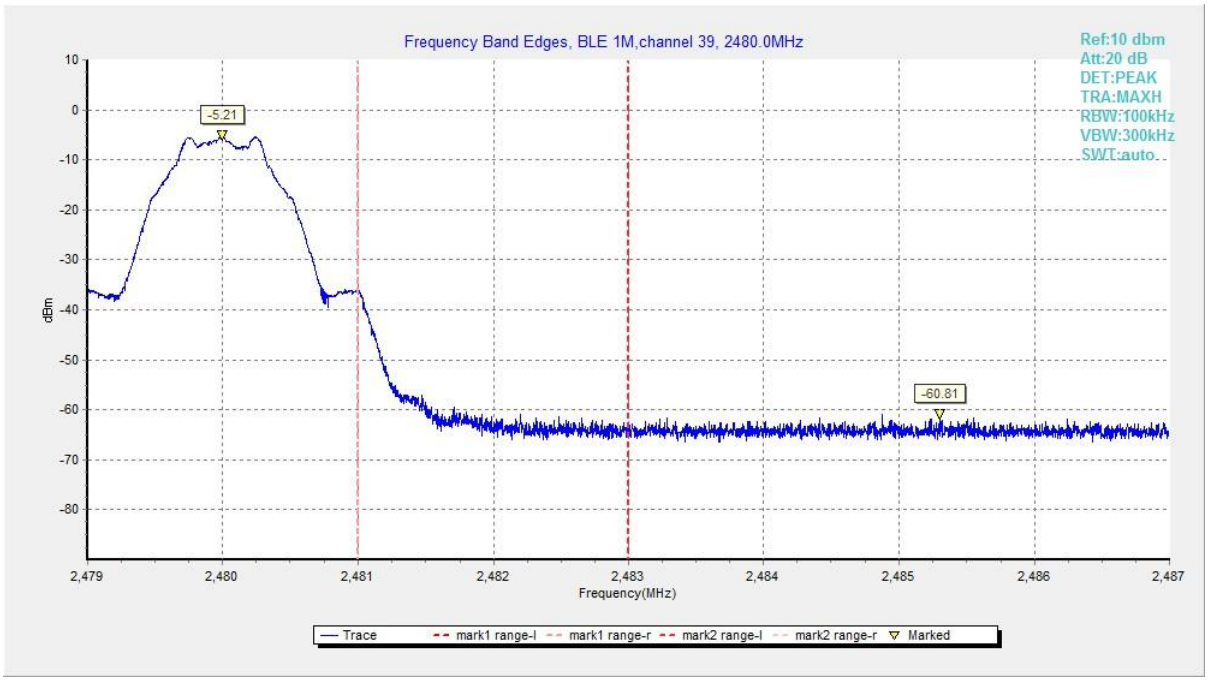


Fig.14 Band Edges (Ch 39), LE 1M

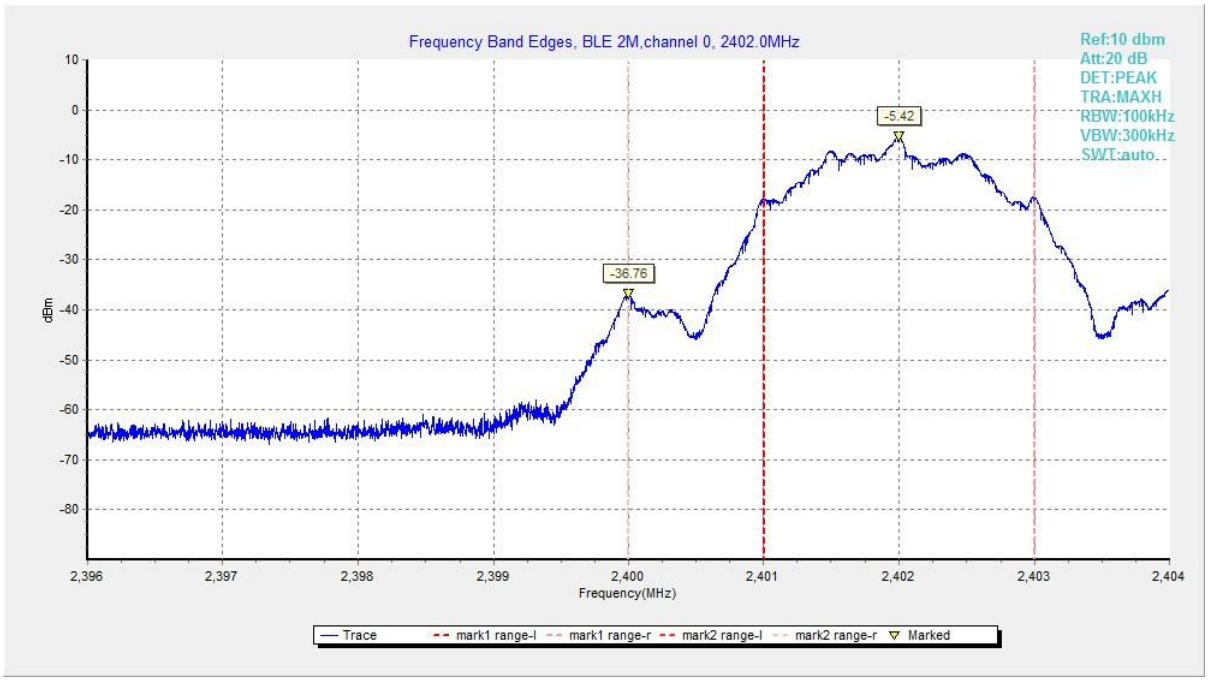


Fig.15 Band Edges (Ch 0), LE 2M

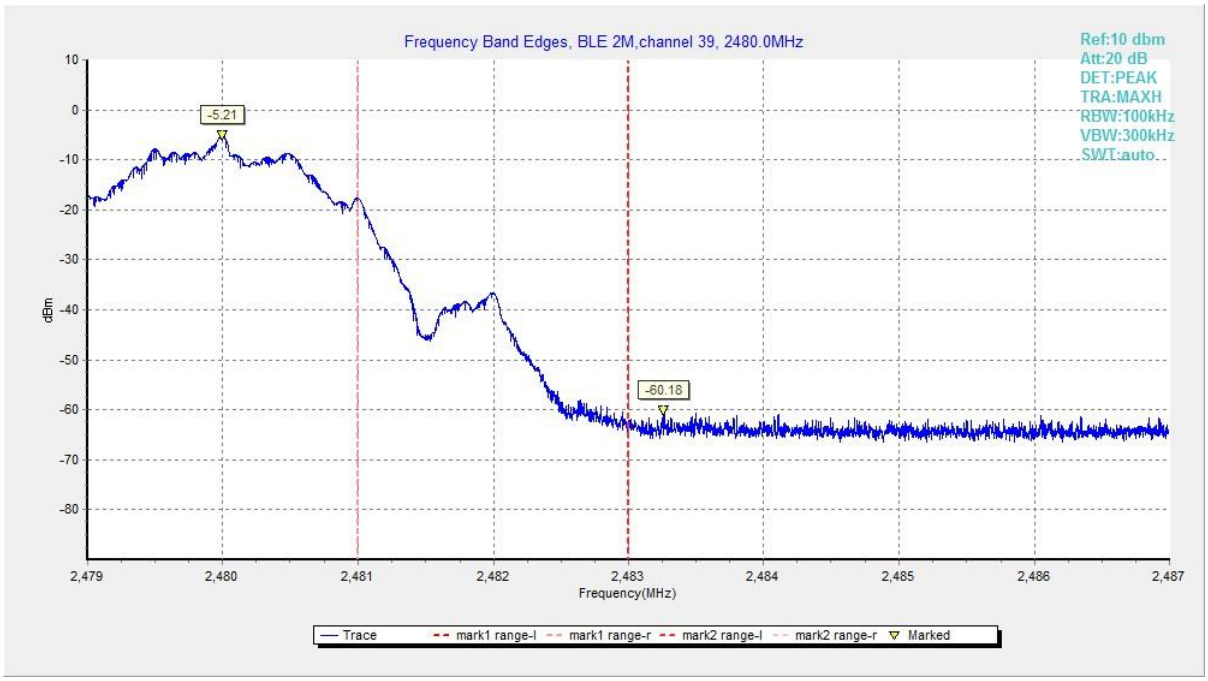


Fig.16 Band Edges (Ch 39), LE 2M

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	1 GHz ~ 3 GHz	Fig.17	P
		3 GHz ~ 10 GHz	Fig.18	P
	19	1 GHz ~ 3 GHz	Fig.19	P
		3 GHz ~ 10 GHz	Fig.20	P
	39	1 GHz ~ 3 GHz	Fig.21	P
		3 GHz ~ 10 GHz	Fig.22	P
	All channels	30 MHz ~ 1 GHz	Fig.23	P
		10 GHz ~ 26 GHz	Fig.24	P
LE-2M	0	1 GHz ~ 3 GHz	Fig.25	P
		3 GHz ~ 10 GHz	Fig.26	P
	19	1 GHz ~ 3 GHz	Fig.27	P
		3 GHz ~ 10 GHz	Fig.28	P
	39	1 GHz ~ 3 GHz	Fig.29	P
		3 GHz ~ 10 GHz	Fig.30	P
	All channels	30 MHz ~ 1 GHz	Fig.31	P
		10 GHz ~ 26 GHz	Fig.32	P

See below for test graphs.

Conclusion: Pass

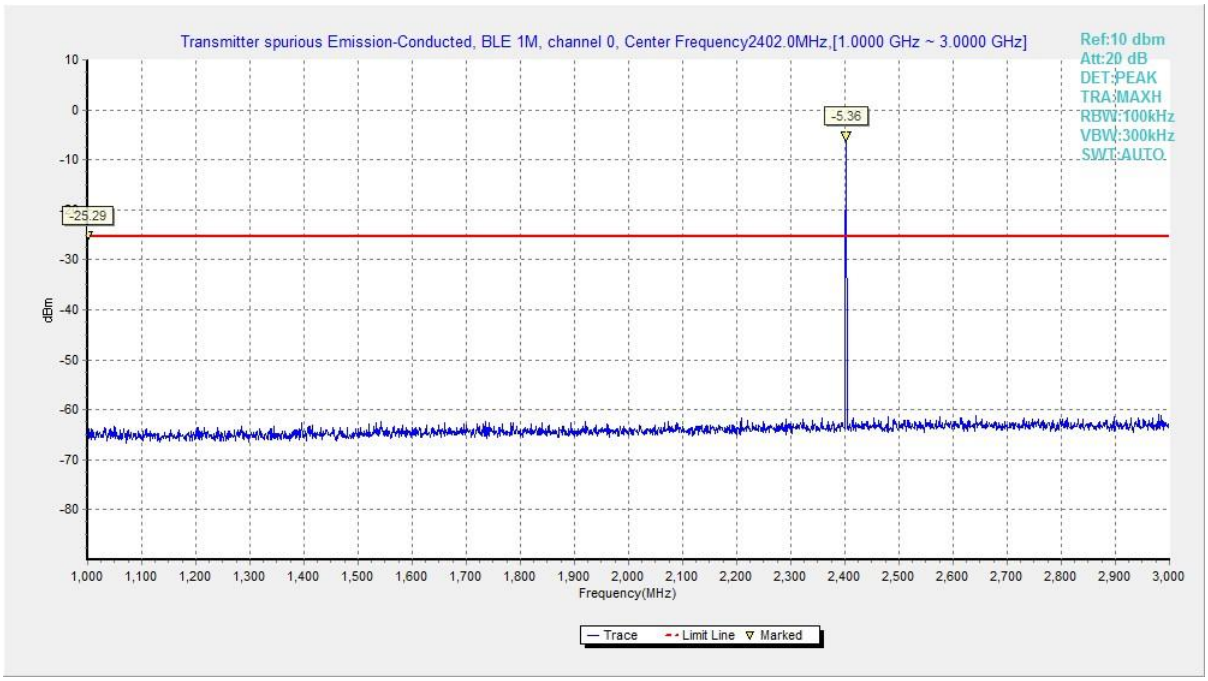


Fig.17 Conducted Spurious Emission (Ch0, 1 GHz-3 GHz), LE 1M

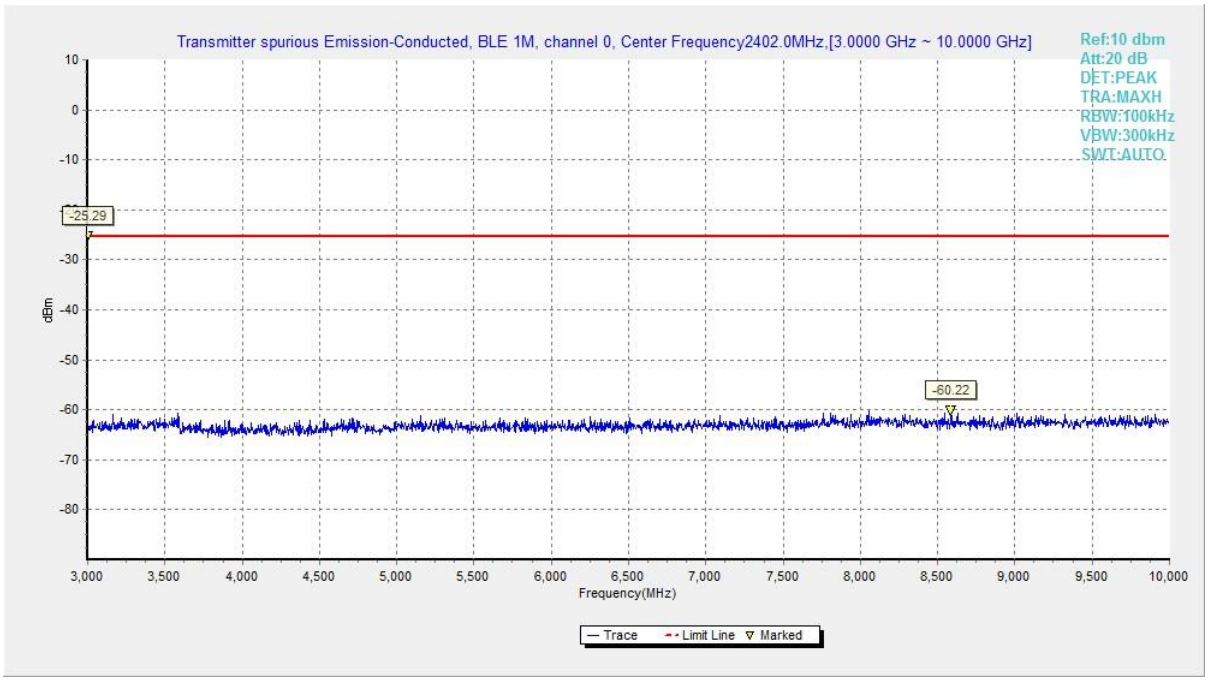


Fig.18 Conducted Spurious Emission (Ch0, 3 GHz-10 GHz), LE 1M

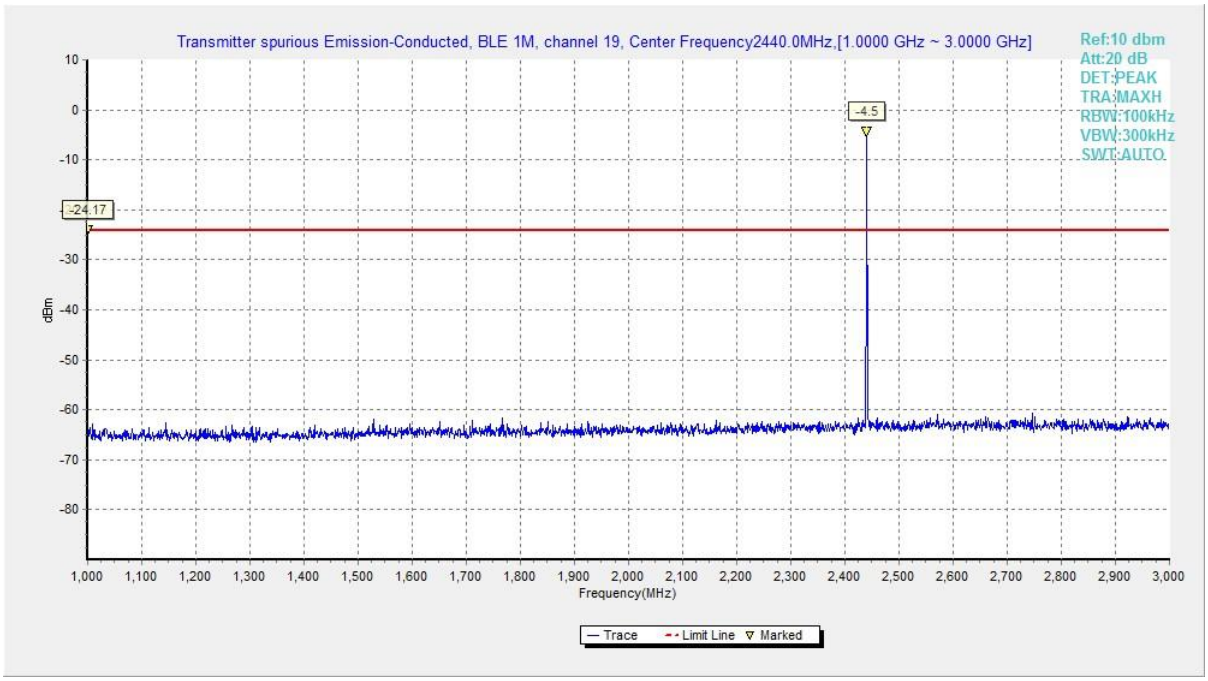


Fig.19 Conducted Spurious Emission (Ch19, 1 GHz-3 GHz), LE 1M

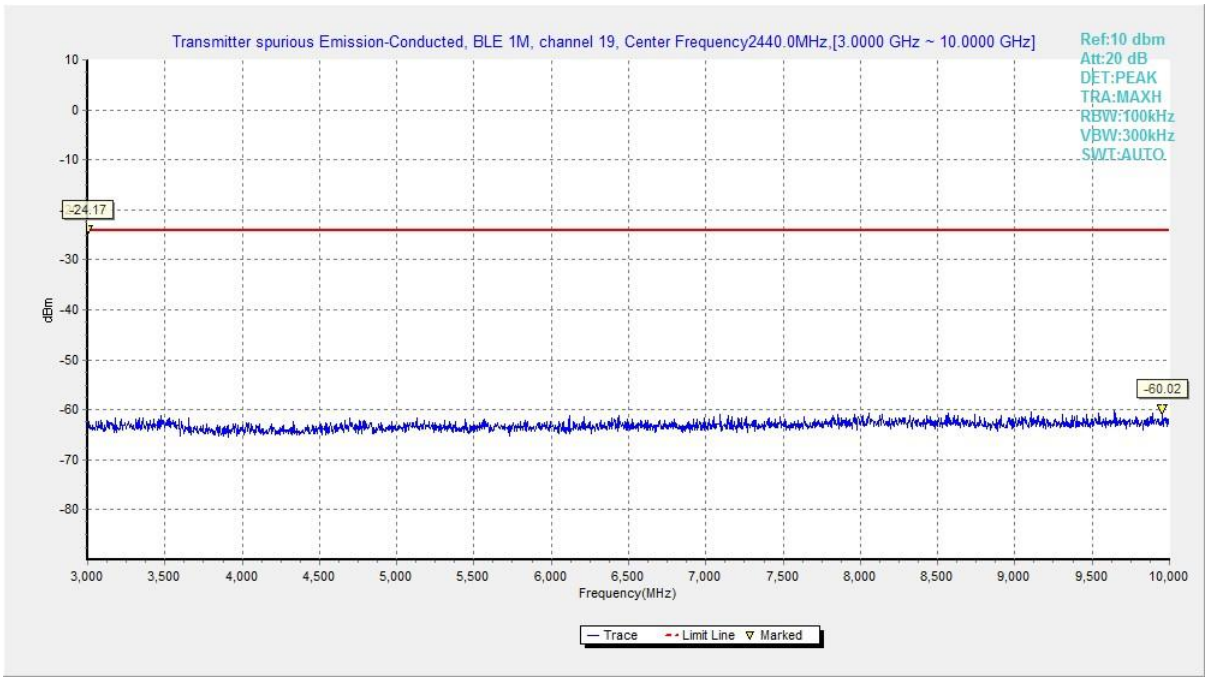


Fig.20 Conducted Spurious Emission (Ch19, 3 GHz-10 GHz), LE 1M

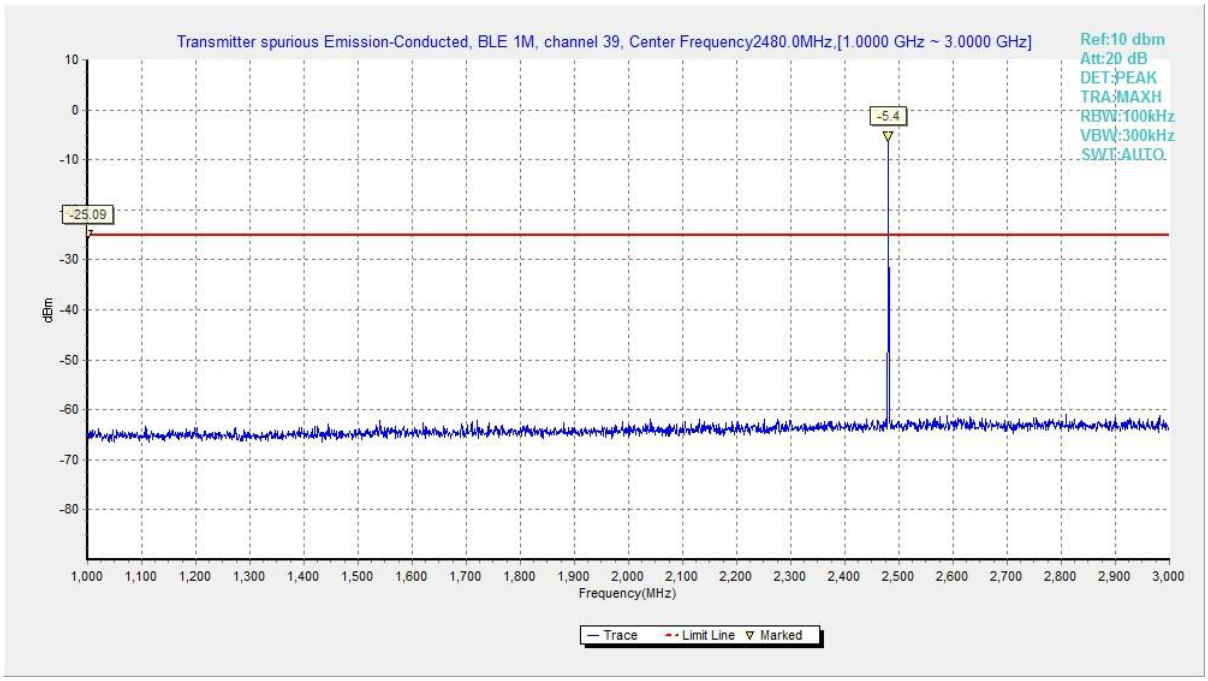


Fig.21 Conducted Spurious Emission (Ch39, 1 GHz-3 GHz), LE 1M

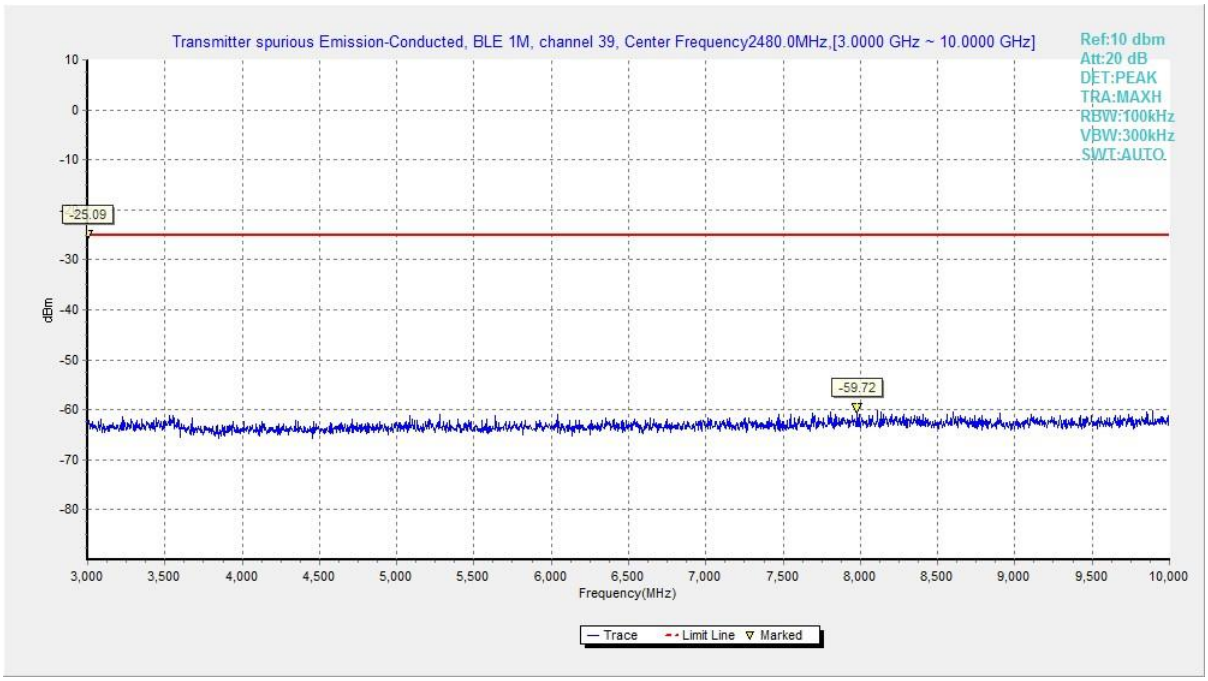


Fig.22 Conducted Spurious Emission (Ch39, 3 GHz-10 GHz), LE 1M

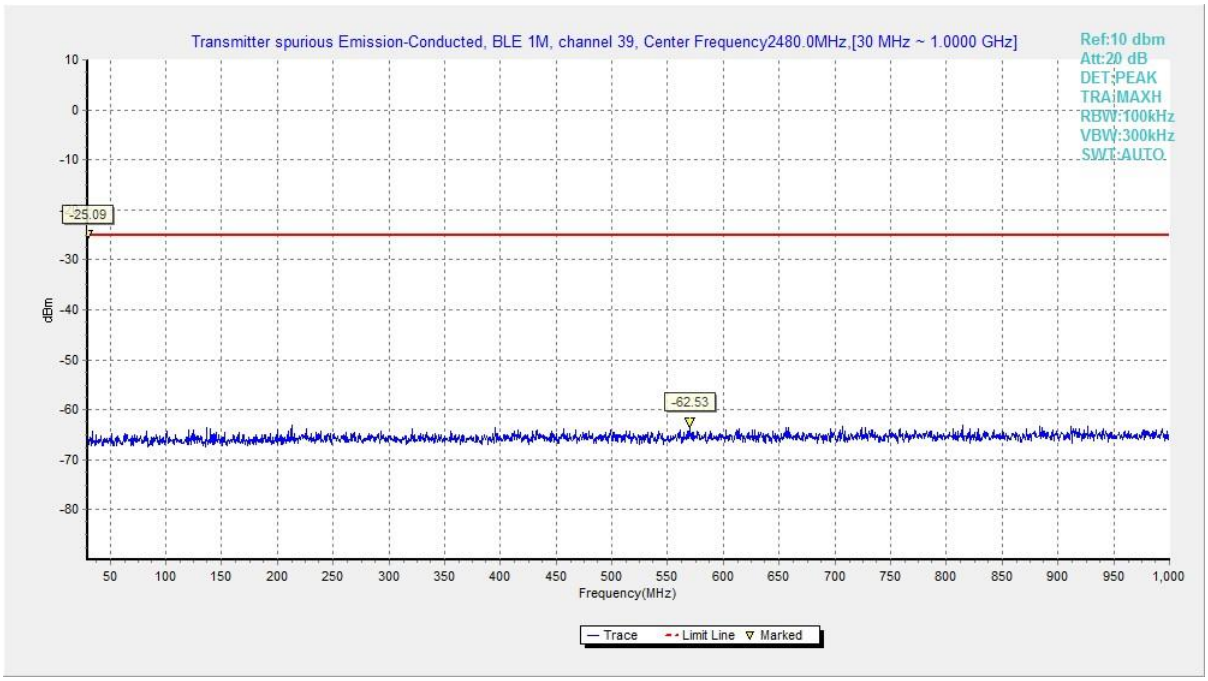


Fig.23 Conducted Spurious Emission (All channels, 30 MHz-1 GHz), LE 1M

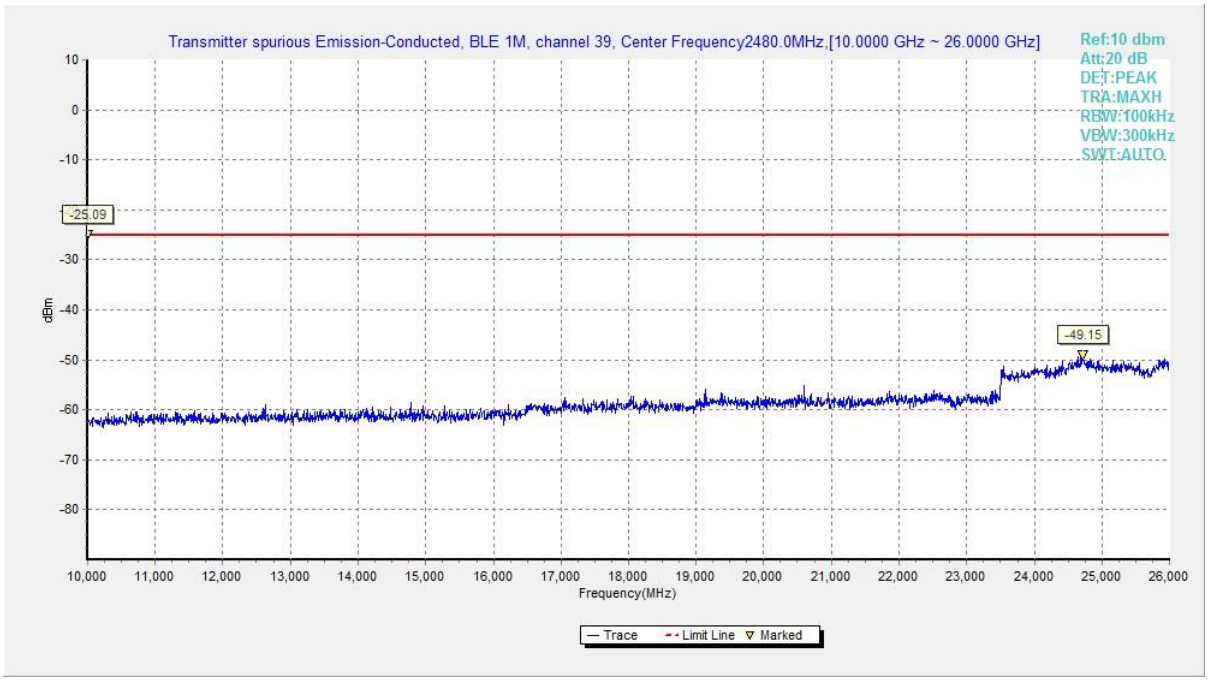


Fig.24 Conducted Spurious Emission (All channels, 10 GHz-26 GHz), LE 1M

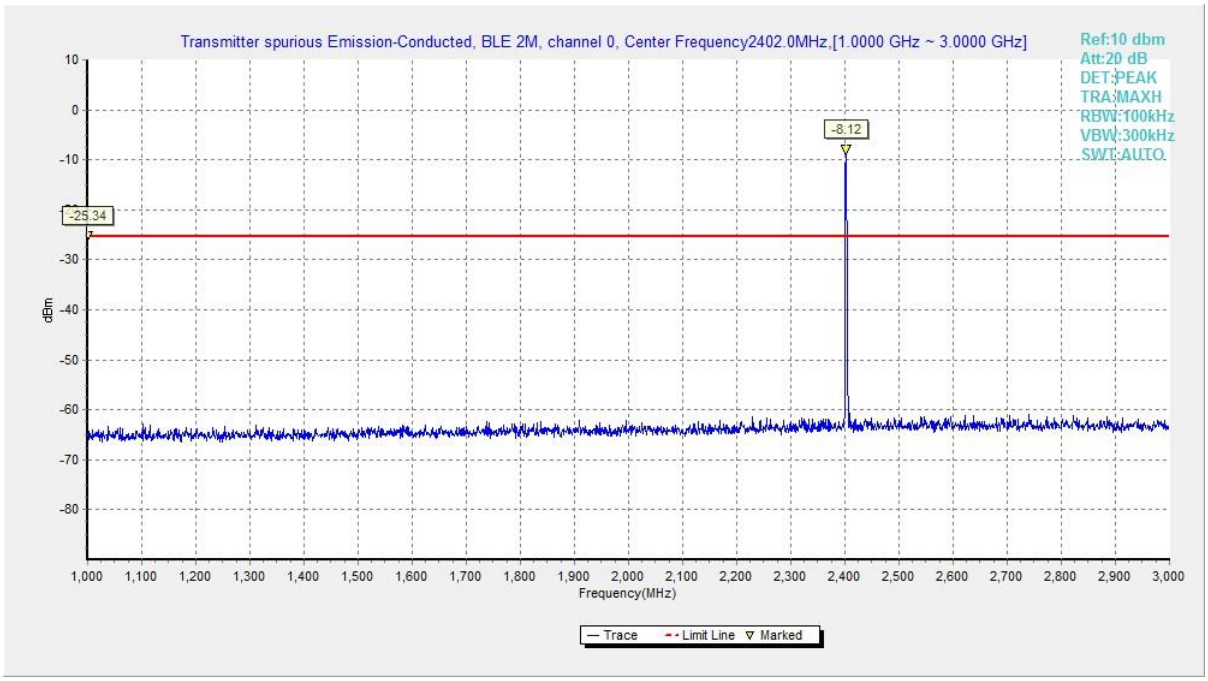


Fig.25 Conducted Spurious Emission (Ch0, 1 GHz-3 GHz), LE 2M

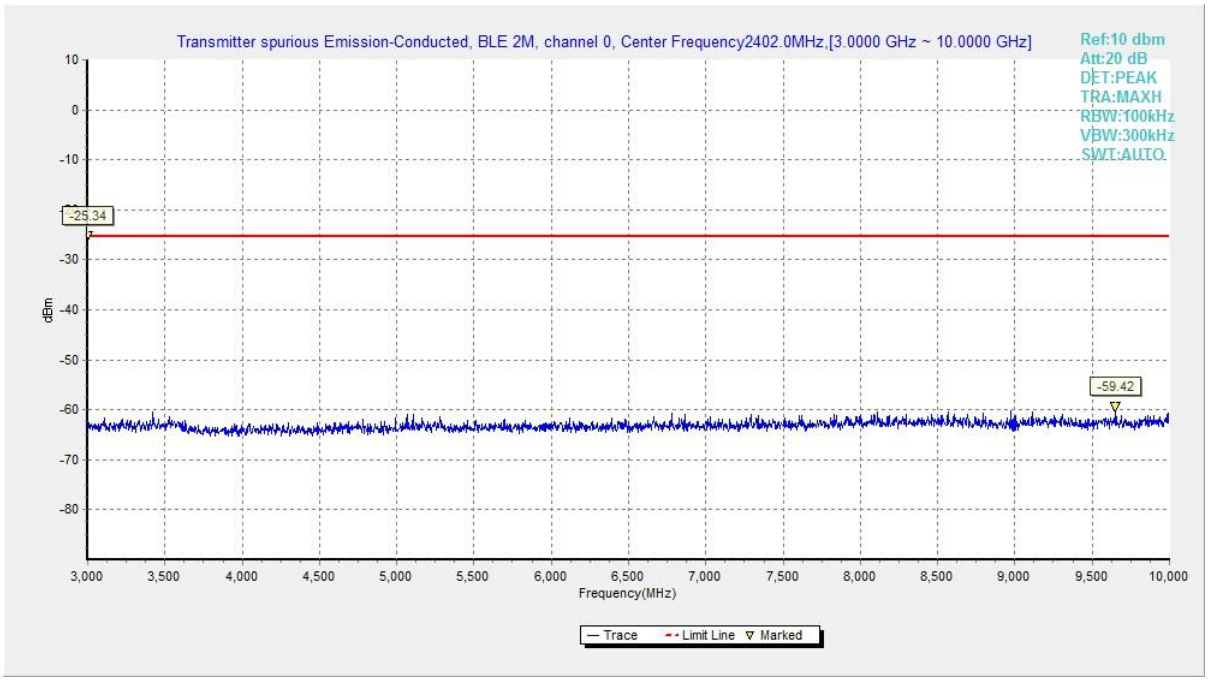


Fig.26 Conducted Spurious Emission (Ch0, 3 GHz-10 GHz), LE 2M

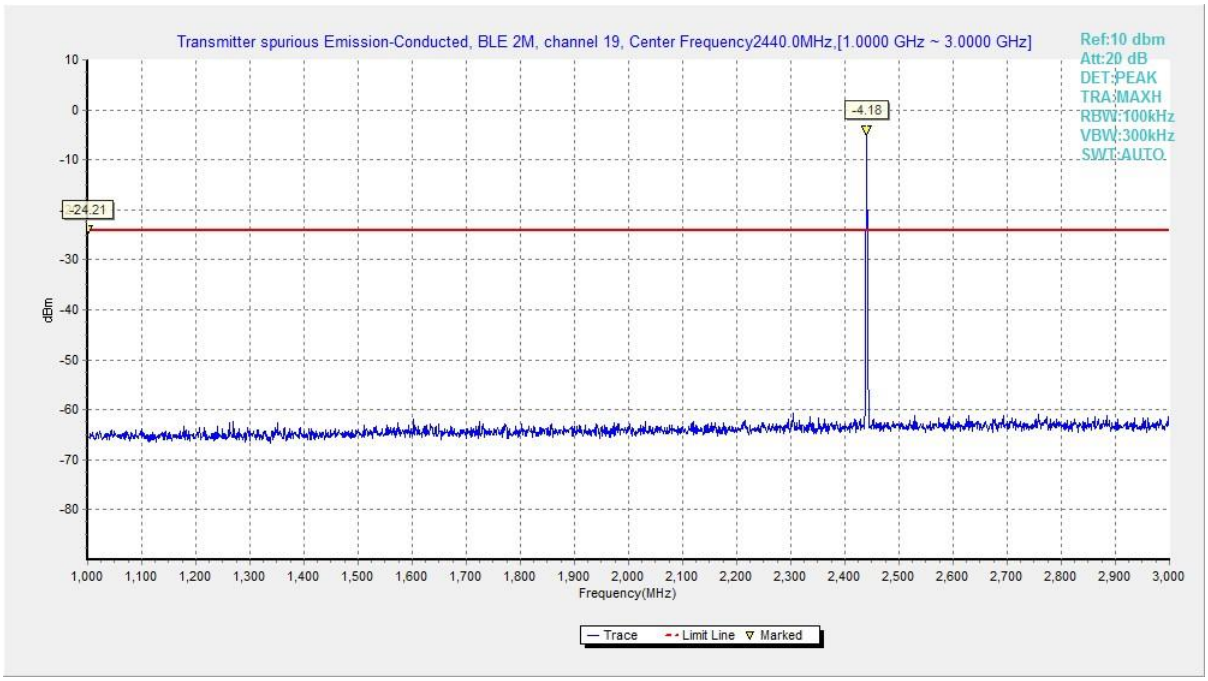


Fig.27 Conducted Spurious Emission (Ch19, 1 GHz-3 GHz), LE 2M

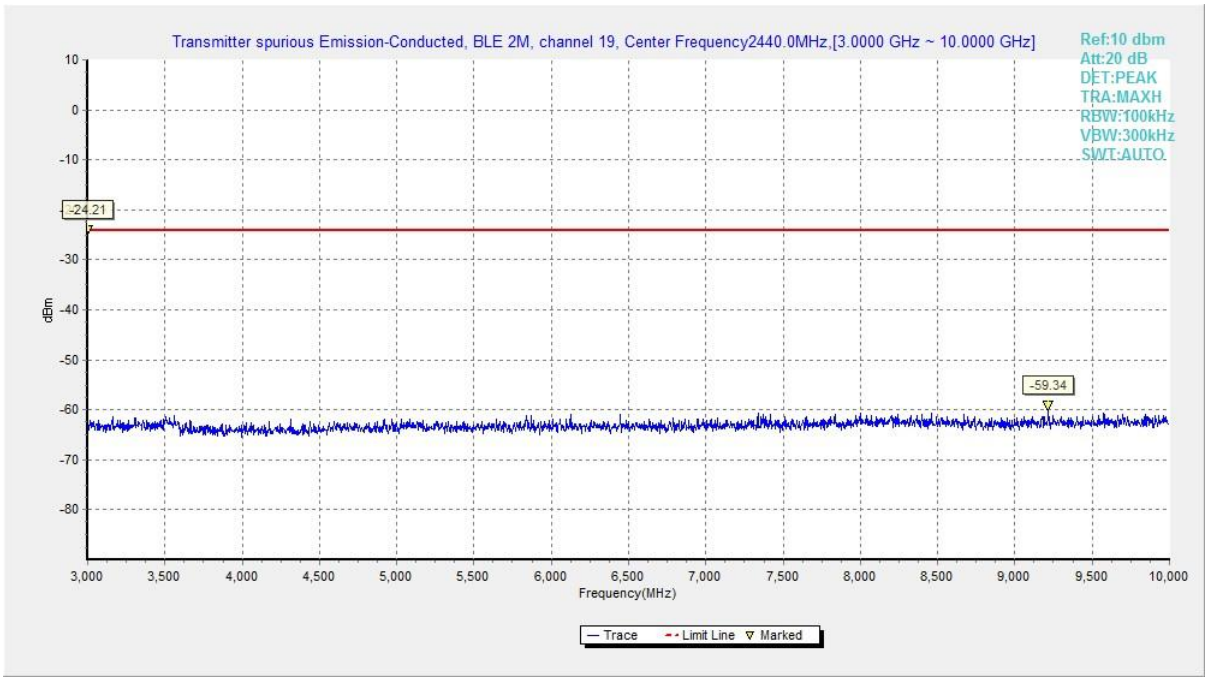


Fig.28 Conducted Spurious Emission (Ch19, 3 GHz-10 GHz), LE 2M

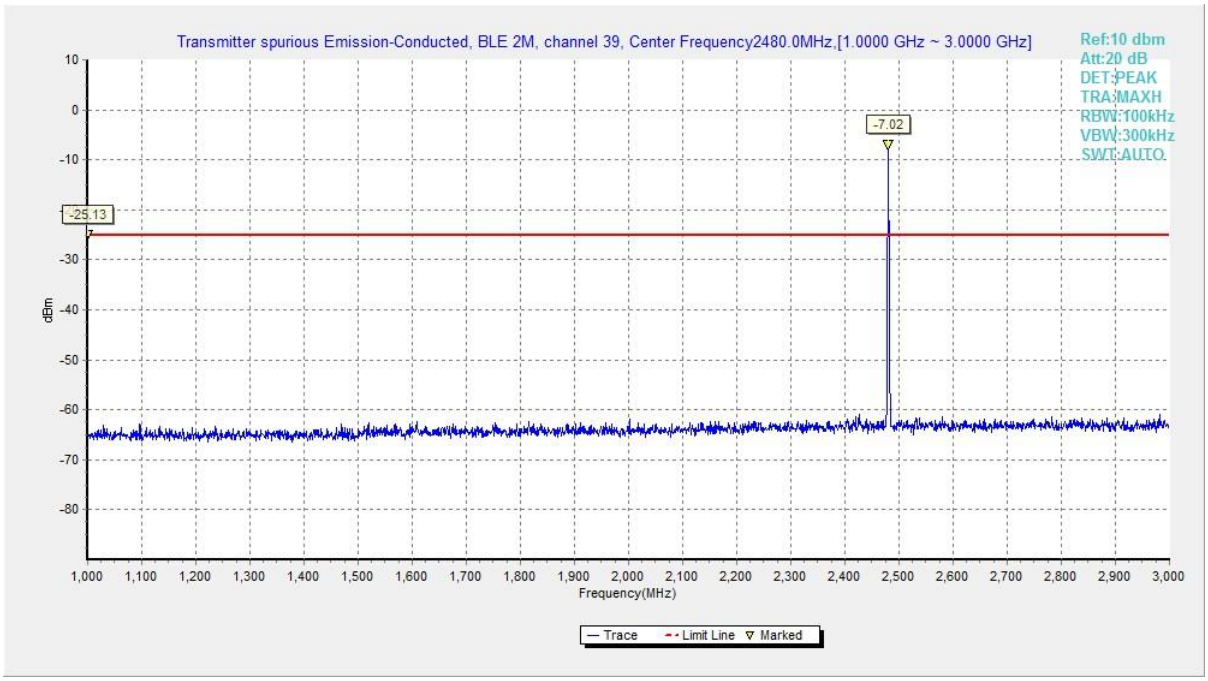


Fig.29 Conducted Spurious Emission (Ch39, 1 GHz-3 GHz), LE 2M

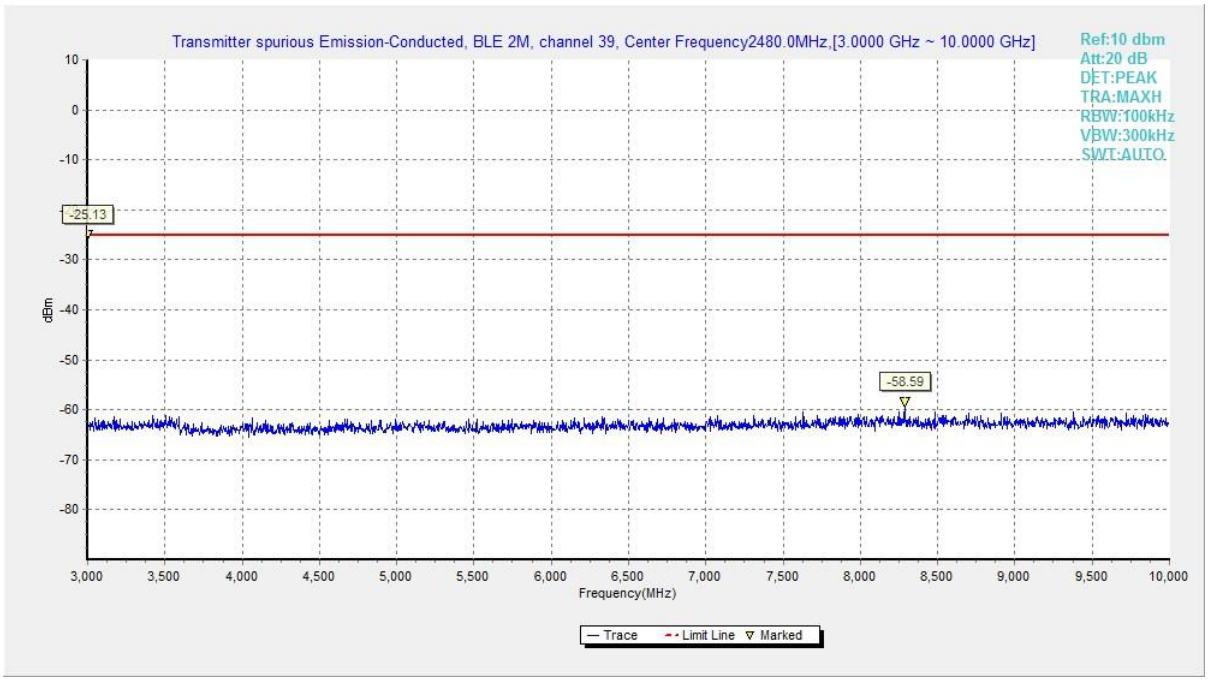


Fig.30 Conducted Spurious Emission (Ch39, 3 GHz-10 GHz), LE 2M

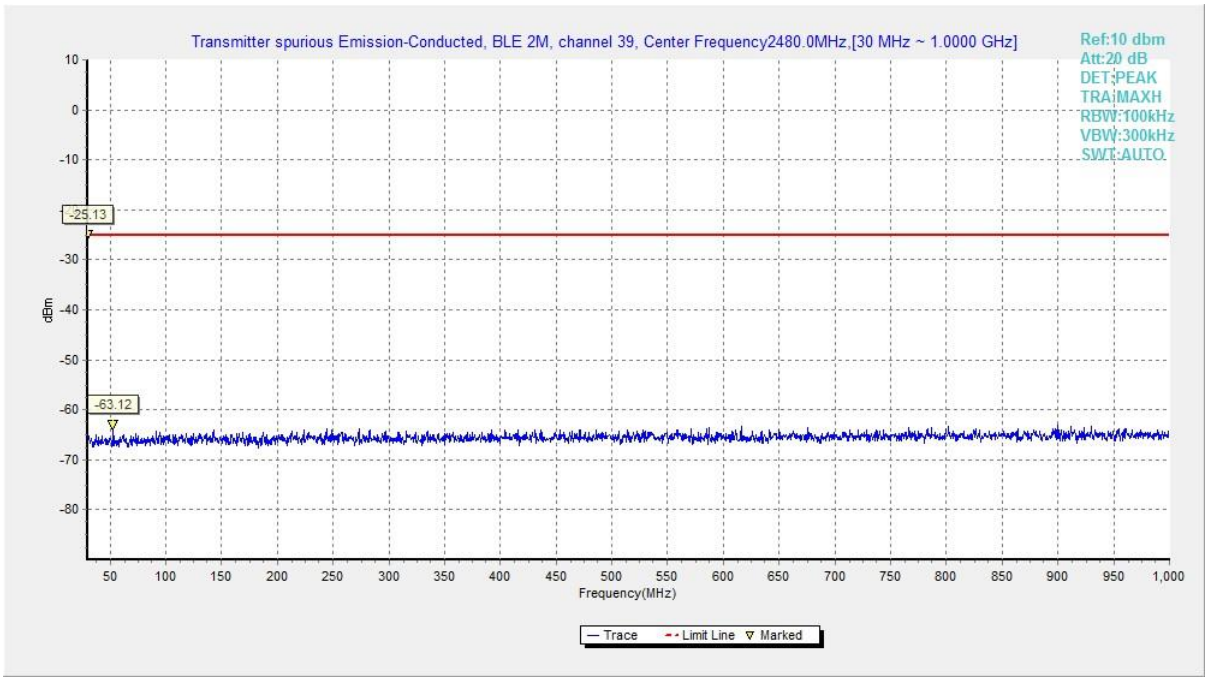


Fig.31 Conducted Spurious Emission (All channels, 30 MHz-1 GHz), LE 2M

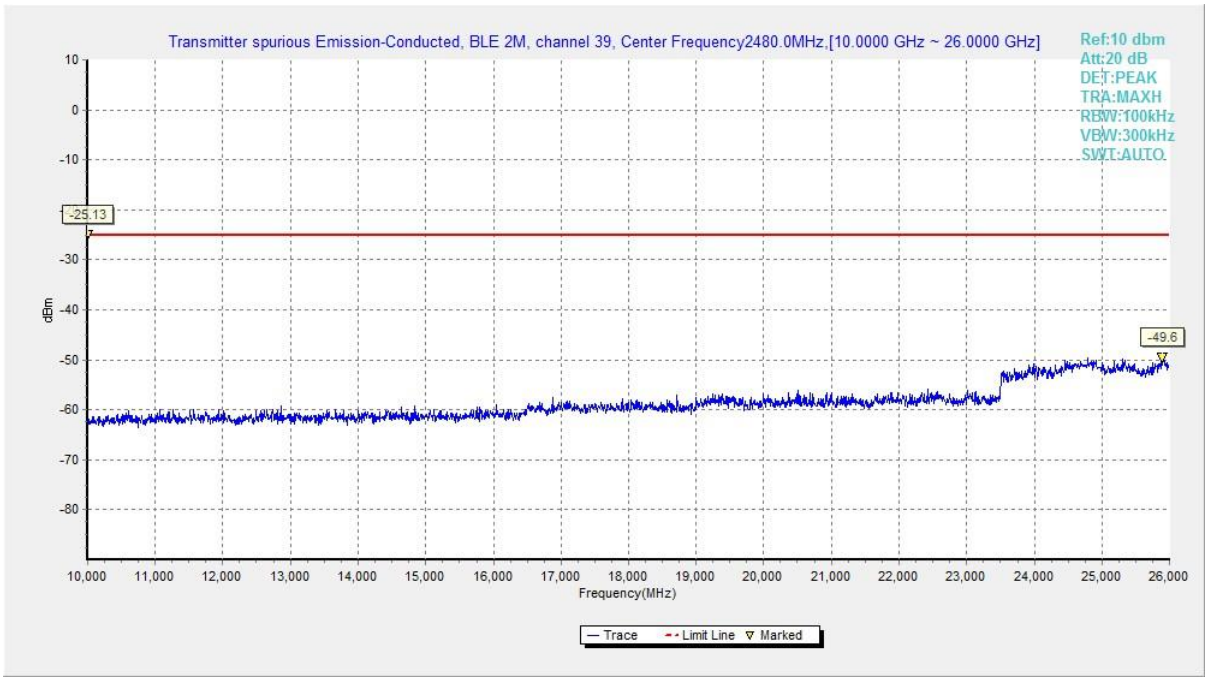


Fig.32 Conducted Spurious Emission (All channels, 10 GHz-26 GHz), LE 2M

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 ~ 18 GHz	Fig.33	P
	19	9 kHz ~ 30 MHz	Fig.34	P
		30 MHz ~ 1 GHz	Fig.35	P
		1 GHz ~ 18 GHz	Fig.36	P
		18 GHz ~ 26.5 GHz	Fig.37	P
	39	1 GHz ~ 18 GHz	Fig.38	P
	Restricted Band(CH0)	2.38 GHz ~ 2.45 GHz	Fig.39	P
	Restricted Band(CH39)	2.45 GHz ~ 2.5 GHz	Fig.40	P
LE-2M	0	1 GHz ~ 18 GHz	Fig.41	P
	19	9 kHz ~ 30 MHz	Fig.42	P
		30 MHz ~ 1 GHz	Fig.43	P
		1 GHz ~ 18 GHz	Fig.44	P
		18 GHz ~ 26.5 GHz	Fig.45	P
	39	1 GHz ~ 18 GHz	Fig.46	P
	Restricted Band(CH0)	2.38 GHz ~ 2.45 GHz	Fig.47	P
	Restricted Band(CH39)	2.45 GHz ~ 2.5 GHz	Fig.48	P

See below for test graphs.
Conclusion: Pass

Worst Case Result
LE-1M CH19 (1-18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB)
2871.600000	48.05	74.00	25.95	H	10.67
3559.800000	36.71	74.00	37.29	V	-13.04
6082.400000	40.17	74.00	33.83	V	-6.32
9830.400000	46.32	74.00	27.68	V	-0.35
14233.200000	51.15	74.00	22.85	H	6.66
17994.000000	54.12	74.00	19.88	V	13.95

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB)
2871.600000	35.81	54.00	18.19	H	10.67
3559.800000	22.87	54.00	31.13	V	-13.04
6082.400000	27.62	54.00	26.38	V	-6.32
9830.400000	33.20	54.00	20.80	V	-0.35
14233.200000	38.48	54.00	15.52	H	6.66
17994.000000	41.74	54.00	12.26	V	13.95

LE-2M CH19 (1-18GHz)

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB)
2923.600000	47.10	74.00	26.90	H	10.64
3438.600000	34.63	74.00	39.37	H	-13.95
4587.300000	37.95	74.00	36.05	V	-9.74
7320.000000	42.86	74.00	31.14	V	-1.75
14284.800000	51.54	74.00	22.46	H	6.36
17954.800000	54.49	74.00	19.51	H	14.72

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	Corr. (dB)
2923.600000	34.85	54.00	19.15	H	10.64
3438.600000	22.23	54.00	31.77	H	-13.95
4587.300000	24.56	54.00	29.44	V	-9.74
7320.000000	30.93	54.00	23.07	V	-1.75
14284.800000	39.19	54.00	14.81	H	6.36
17954.800000	41.65	54.00	12.35	H	14.72

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

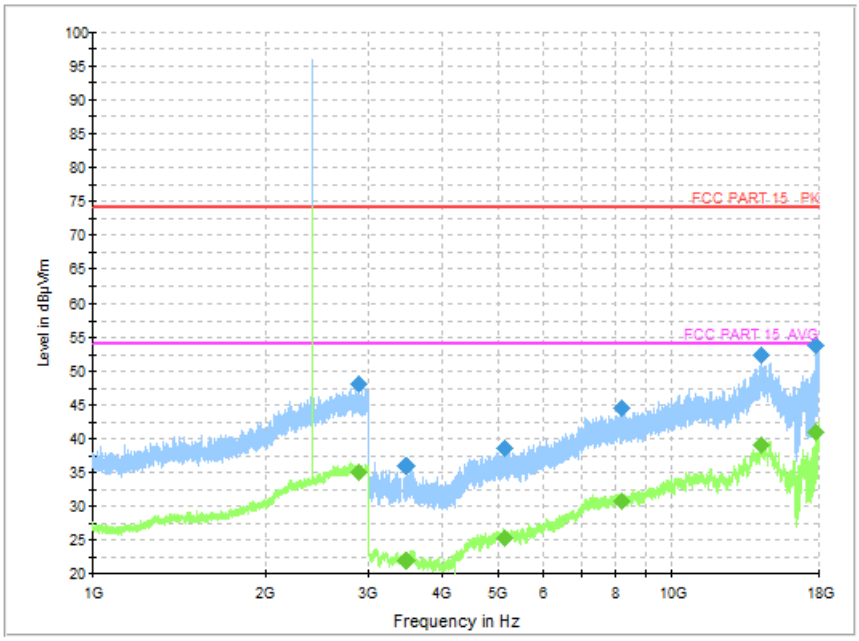


Fig.33 Radiated Spurious Emission (Ch0, 1 GHz - 18 GHz), 1M

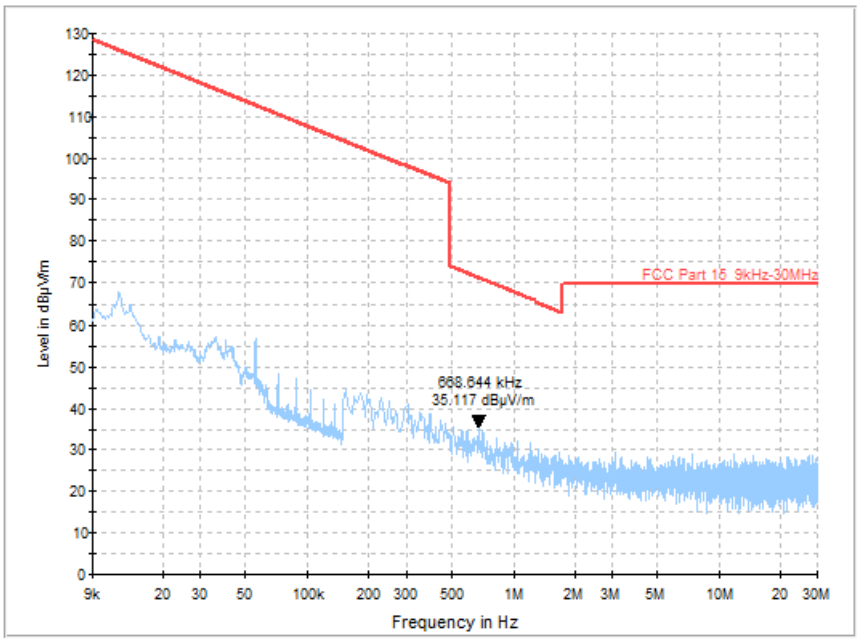


Fig.34 Radiated Spurious Emission (Ch19, 9 kHz - 30 MHz), 1M

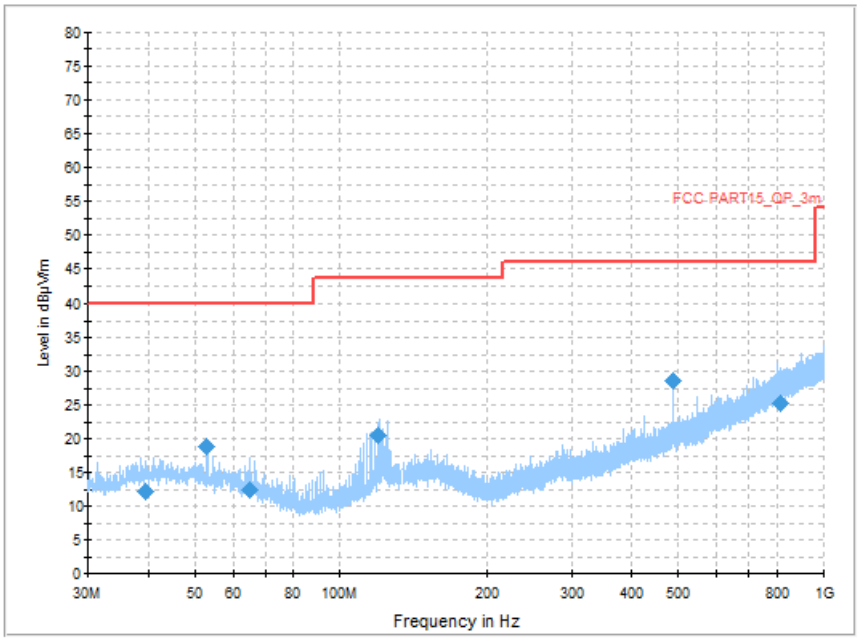


Fig.35 Radiated Spurious Emission (Ch19, 30 MHz - 1 GHz), 1M

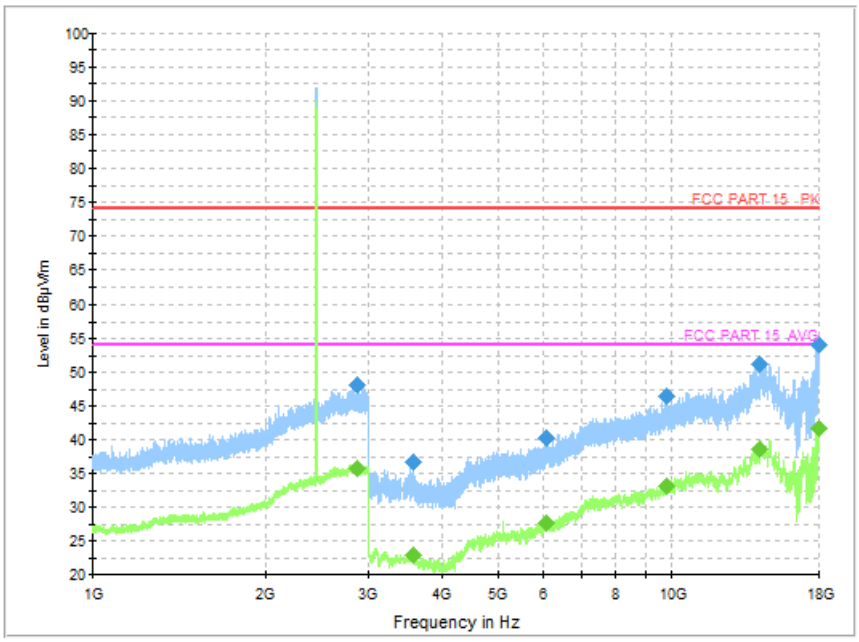


Fig.36 Radiated Spurious Emission (Ch19, 1 GHz - 18 GHz), 1M

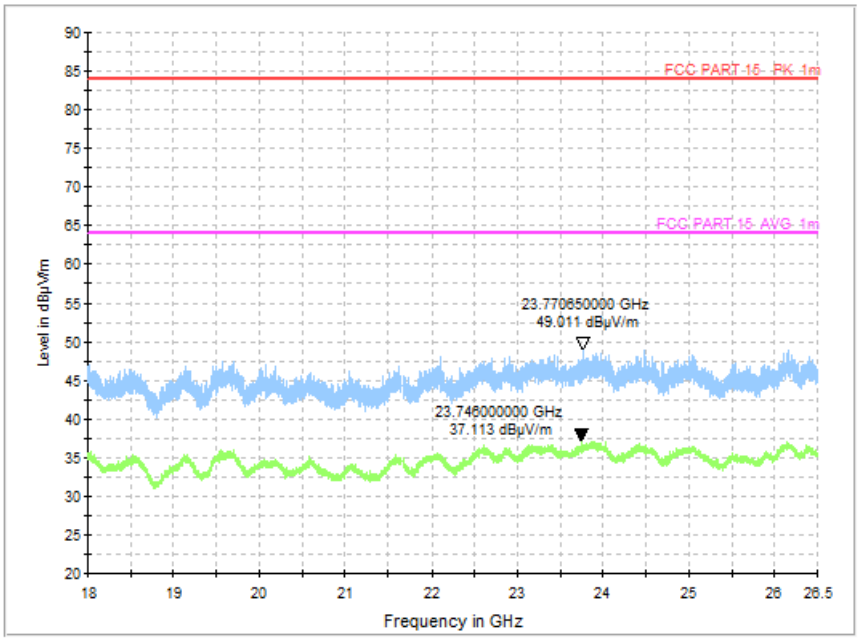


Fig.37 Radiated Spurious Emission (Ch19, 18 GHz - 26.5 GHz), 1M

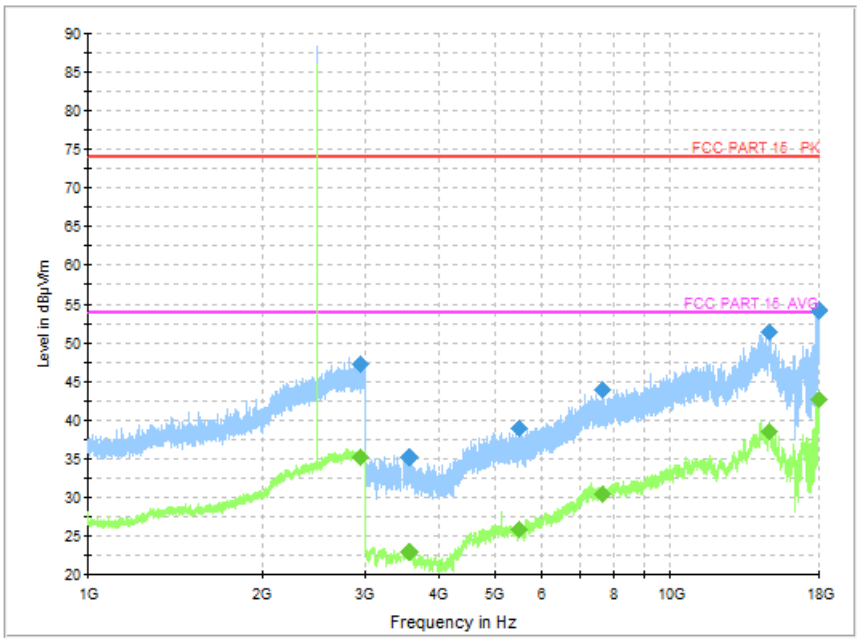


Fig.38 Radiated Spurious Emission (Ch39, 1 GHz - 18 GHz), 1M

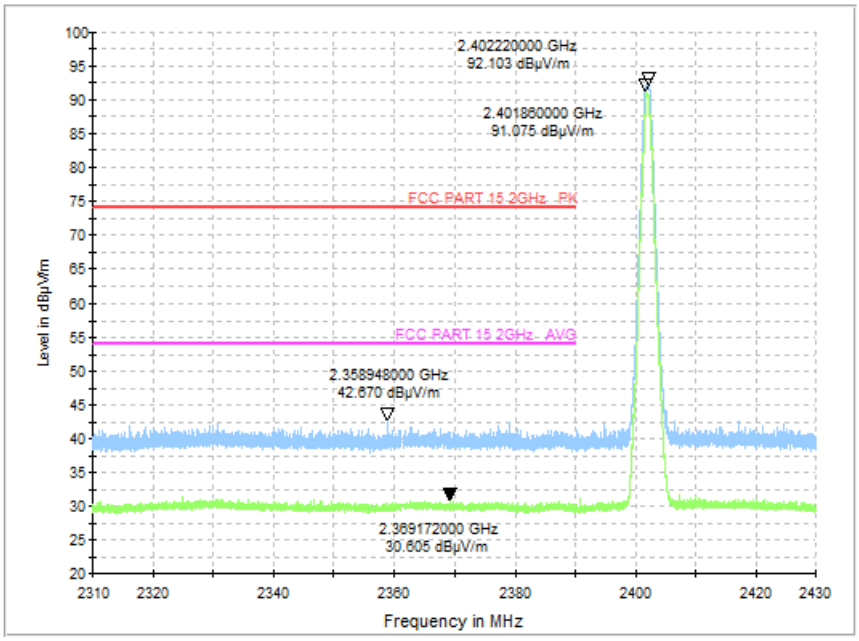


Fig.39 Radiated Band Edges (Ch0, 2380GHz - 2450GHz), 1M

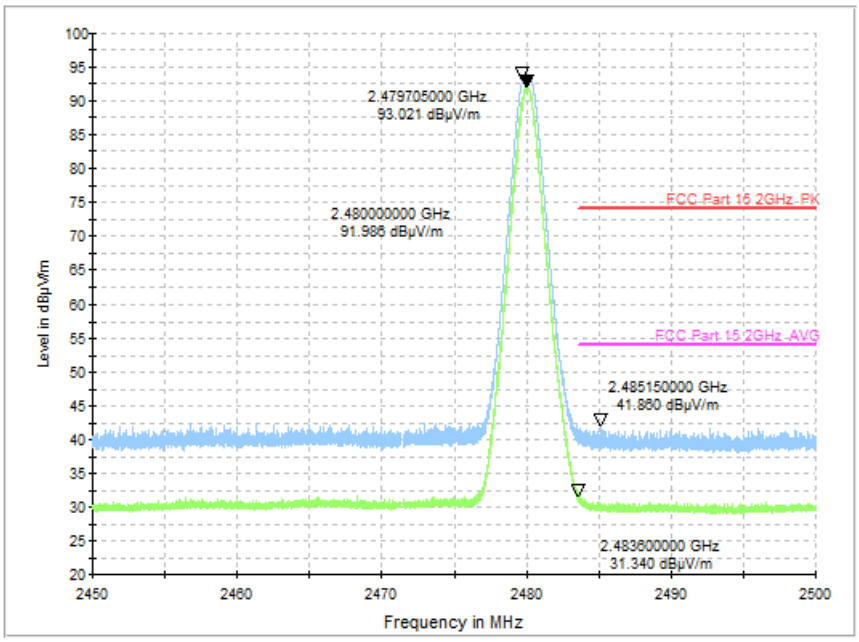


Fig.40 Radiated Band Edges (Ch39, 2450GHz - 2500GHz), 1M

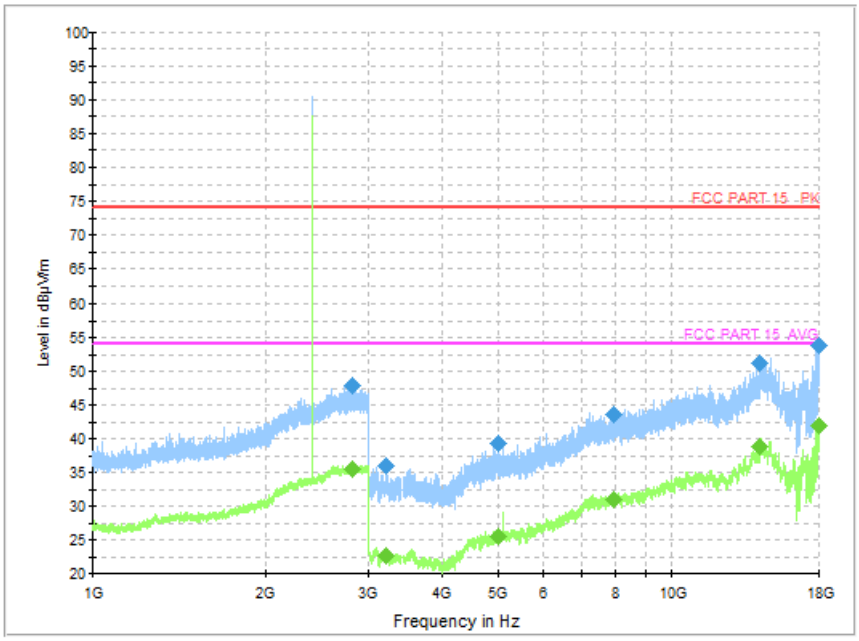


Fig.41 Radiated Spurious Emission (Ch0, 1 GHz - 18 GHz), 2M

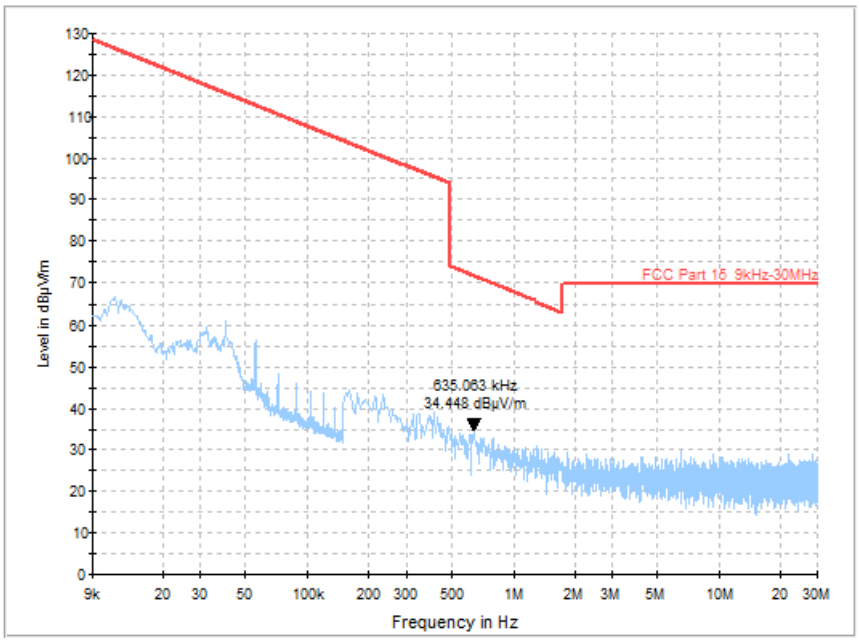


Fig.42 Radiated Spurious Emission (Ch19, 9 kHz - 30 MHz), 2M

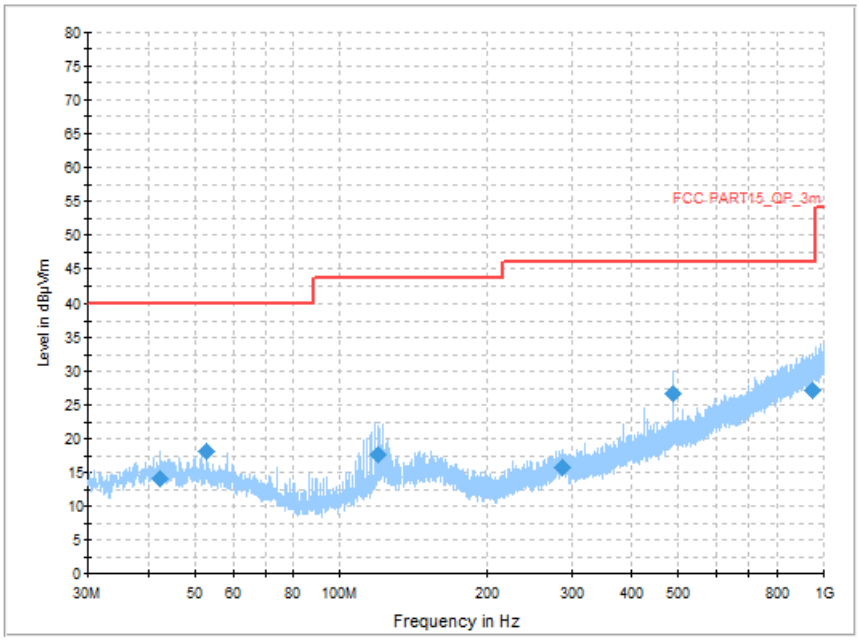


Fig.43 Radiated Spurious Emission (Ch19, 30 MHz - 1 GHz), 2M

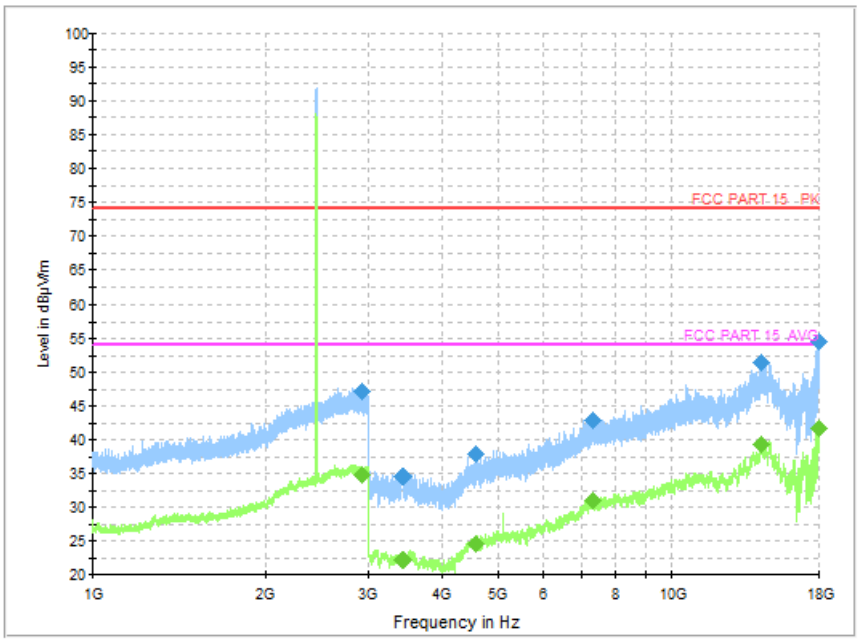


Fig.44 Radiated Spurious Emission (Ch19, 1 GHz - 18 GHz), 2M

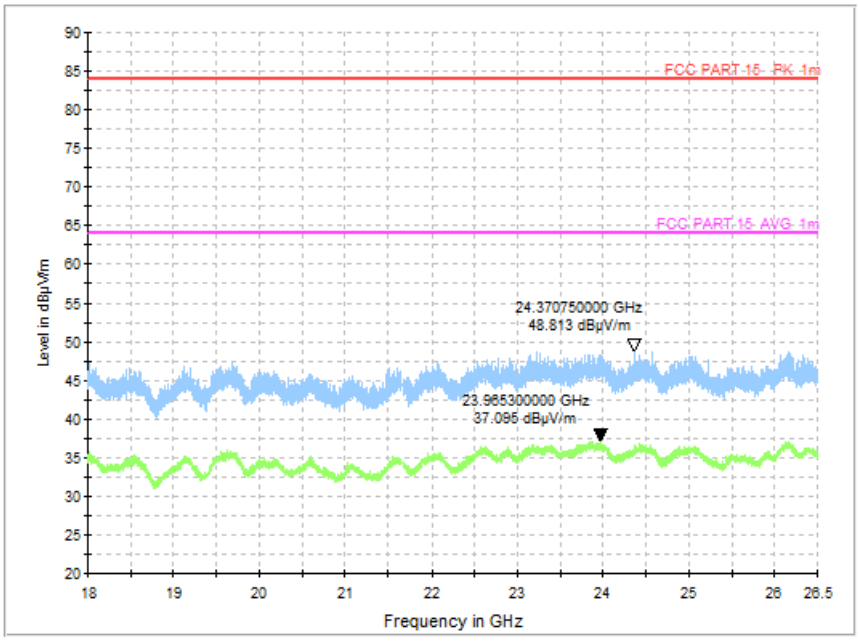


Fig.45 Radiated Spurious Emission (Ch19, 18 GHz - 26.5 GHz), 2M

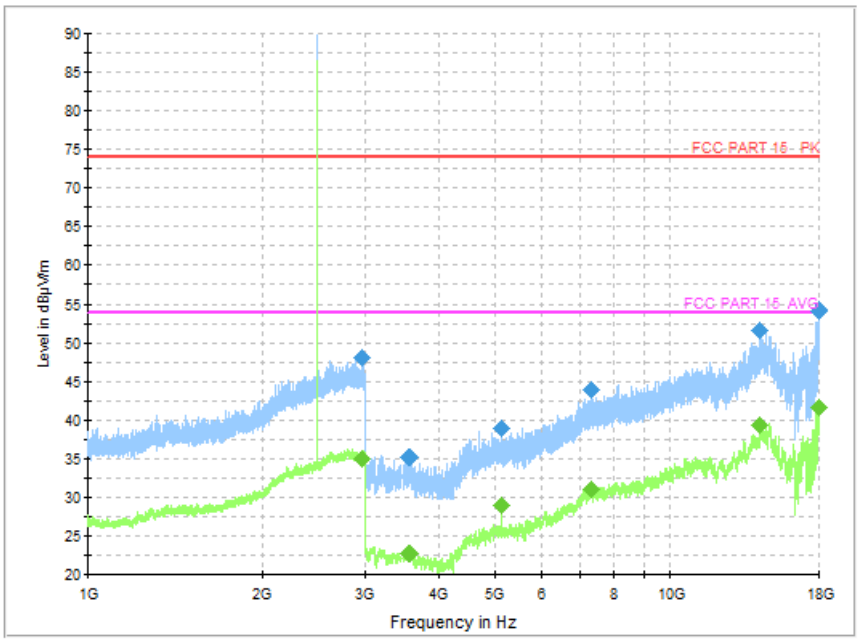


Fig.46 Radiated Spurious Emission (Ch39, 1 GHz - 18 GHz), 2M

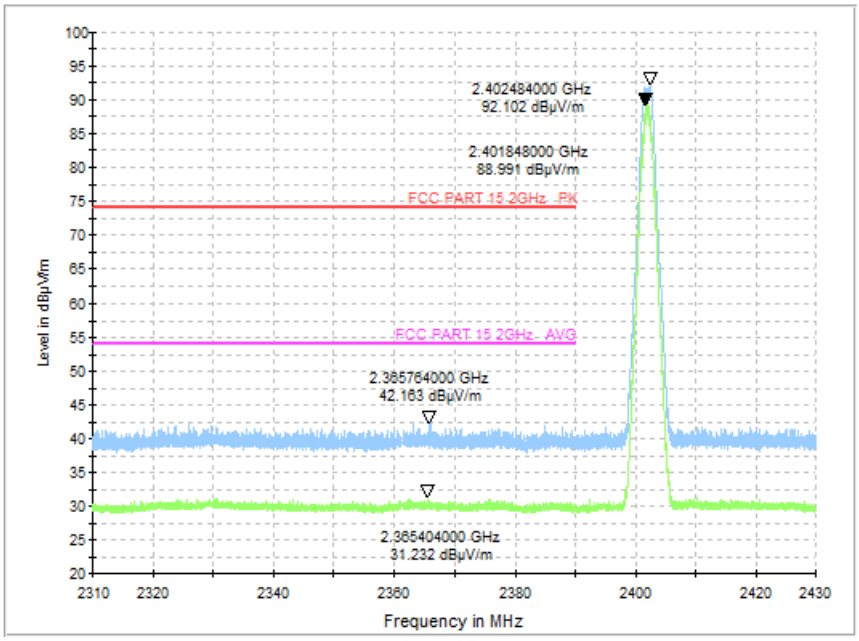


Fig.47 Radiated Band Edges (Ch0, 2380GHz - 2450GHz), 2M

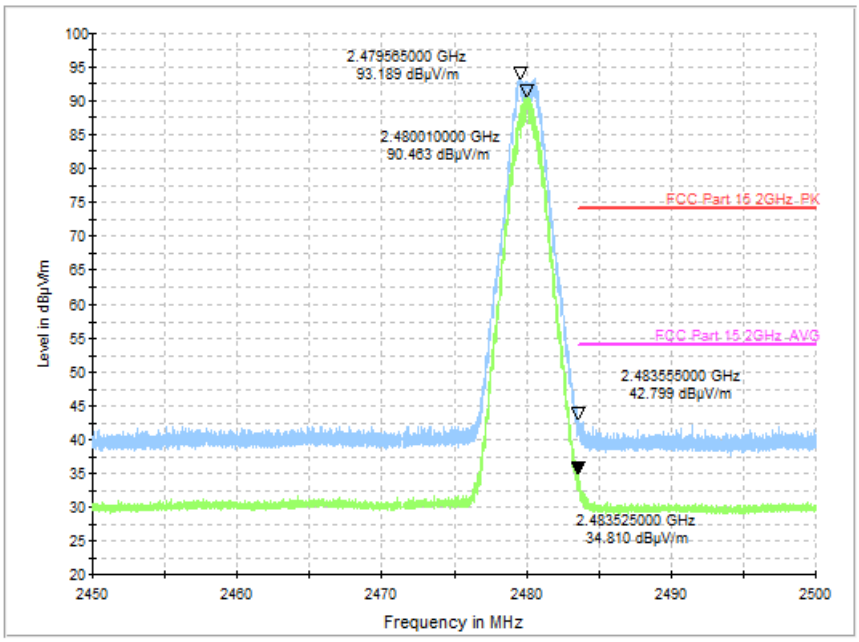


Fig.48 Radiated Band Edges (Ch39, 2450GHz - 2500GHz), 2M

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

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	66 to 56	Fig.49	Fig.50	**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

Frequency range (MHz)	Average-peak Limit (dBμV)	Result (dBμV)		Conclusion
		Traffic	Idle	
0.15 to 0.5	56 to 46	Fig.49	Fig.50	**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

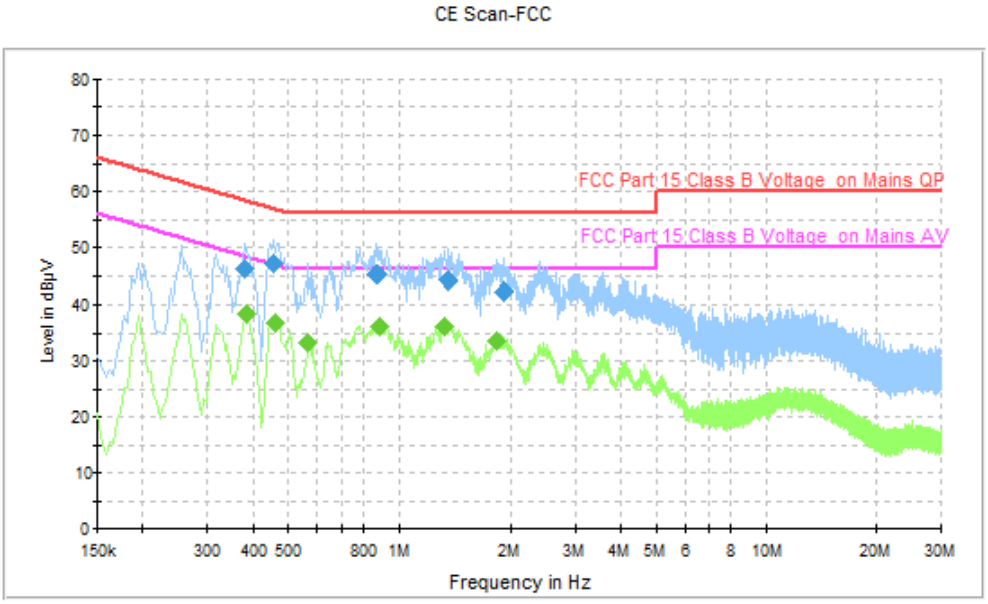


Fig.49 AC Power line Conducted Emission (Traffic, AE2, 120V), 1M

Measurement Results: Quasi Peak

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.378000	46.0	GND	L1	9.8	12.3	58.3
0.454000	47.0	GND	L1	9.8	9.8	56.8
0.870000	45.1	GND	L1	9.8	10.9	56.0
0.878000	45.1	GND	L1	9.8	10.9	56.0
1.370000	44.1	GND	L1	9.8	11.9	56.0
1.918000	42.2	GND	L1	9.8	13.8	56.0

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.386000	38.4	GND	L1	9.8	9.8	48.1
0.462000	36.9	GND	L1	9.8	9.8	46.7
0.566000	33.1	GND	L1	9.8	12.9	46.0
0.886000	36.2	GND	L1	9.8	9.8	46.0
1.330000	36.1	GND	L1	9.8	9.9	46.0
1.838000	33.7	GND	L1	9.8	12.3	46.0

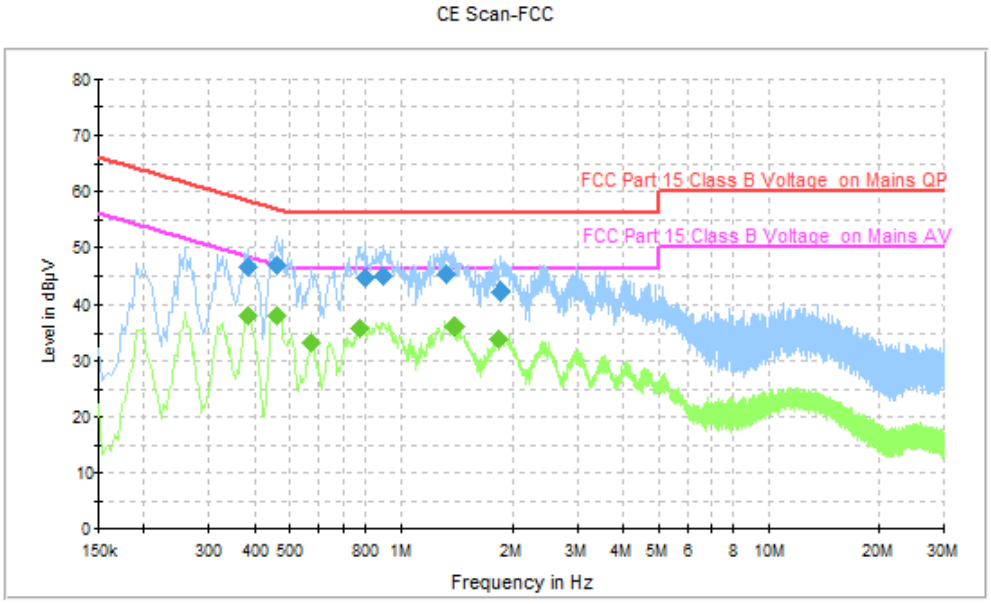


Fig.50 AC Power line Conducted Emission (Idle, AE2, 120V), 1M

Measurement Results: Quasi Peak

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.382000	46.4	GND	L1	9.8	11.8	58.2
0.462000	46.6	GND	L1	9.8	10.0	56.7
0.802000	44.6	GND	L1	9.8	11.4	56.0
0.902000	44.8	GND	L1	9.8	11.2	56.0
1.330000	45.2	GND	L1	9.8	10.8	56.0
1.858000	42.3	GND	L1	9.8	13.7	56.0

Measurement Results: Average

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.382000	37.9	GND	L1	9.8	10.3	48.2
0.458000	38.0	GND	L1	9.8	8.7	46.7
0.570000	33.4	GND	L1	9.8	12.6	46.0
0.778000	35.9	GND	L1	9.8	10.1	46.0
1.394000	36.1	GND	L1	9.8	9.9	46.0
1.834000	34.0	GND	L1	9.8	12.0	46.0

ANNEX B: Spot Check of Output Power

Company Name: TCL Communication Ltd.
Product Name: Tablet PC
Model Name: 9132G, 9132X

Spot Check of Different Mode

Model	Mode	Frequency (MHz)	Conducted Power (dBm)
9132G	LE 1M	2440 (CH19)	-0.53
	BR (GFSK)	2441 (CH39)	5.58
	802.11b	2437 (CH6)	16.44
	802.11a	5260 (Ch52)	15.89
		5825 (CH165)	15.51
9132X	LE 1M	2440 (CH19)	-0.64
	BR (GFSK)	2441 (CH39)	5.51
	802.11b	2437 (CH6)	16.39
	802.11a	5260 (Ch52)	15.82
		5825 (CH165)	15.45

Note: Spot check test data included for the variants based on worst-case results reported in the original FCC ID filing. 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. This condition applies to the reports I22N00113.

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