



# **TEST REPORT**

No. I19N03140-BLE

**TCL Communication Ltd.** 

**Bluetooth Keyboard** 

Model Name: KB20

With

Hardware Version: 1.0

**Software Version: 3615** 

FCC ID: 2ACCJACC04

Issued Date: 2020-01-17

#### 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.

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# 1. Summary of Test Report

## 1.1. Test Items

Description Bluetooth Keyboard

Model Name KB20

Applicant's name TCL Communication Ltd.

Manufacturer's Name TCL Communication Ltd.

## 1.2. Test Standards

FCC Part15-2018; 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: 2020-01-10
Testing End Date: 2020-01-17

# 1.6. Signature

Lin Zechuang

(Prepared this test report)

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(Reviewed this test report)

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(Approved this test report)





# 2. Client Information

# 2.1. Applicant Information

Company Name: TCL Communication Ltd.

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# 2.2. Manufacturer Information

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

### 3.1. About EUT

Description Bluetooth Keyboard

Model Name KB20 Market Name Alcatel

Frequency Range 2400MHz~2483.5MHz

Type of Modulation GFSK Number of Channels 40

Antenna Type Integrated
Antenna Gain 0.55dBi

Power Supply 3.8V DC by Battery FCC ID 2ACCJACC04

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
EUT1	/	1.0	3615	2020-01-06

<sup>\*</sup>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	SN
AE1	Charger	/
AE2	Charger	/
AE3	Battery	/

AE1

Model UC11US

Manufacturer PUAN

Length of DC line /cm

AE2

Model UC11US
Manufacturer CHENGYANG

Length of DC line /cm

AE3

Model 301850
Manufacturer DZH
Capacitance 180mAh





Nominal Voltage

3.8V

\*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 Bluetooth Keyboard 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; 2			
	15.247 Operation within the bands 902-928MHz,			
	2400-2483.5 MHz, and 5725-5850 MHz			
ANSI C63.10	American National Standard of Procedures for Compliance	2013		
	Testing of Unlicensed Wireless Devices			





# 5. Test Results

# 5.1. <u>Testing Environment</u>

Normal Temperature:  $15\sim35^{\circ}C$ Relative Humidity:  $20\sim75\%$ 

# 5.2. <u>Test Results</u>

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

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 Due date	Calibratio n Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2021-01-15	1 year
2	Test Receiver	ESCI	100702	Rohde & Schwarz	2020-06-19	1 year
3	LISN	ENV216	102067	Rohde & Schwarz	2020-07-17	1 year

# Radiated emission test system

	Radiated emission test system						
NO.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period	
1	Loop Antenna	HLA6120	35779	TESEQ	2020-04-25	3 years	
2	BiLog Antenna	3142E	00224831	ETS-Lindgren	2021-05-17	3 years	
3	Horn Antenna	3117	00066577	ETS-Lindgren	2022-04-02	3 years	
4	Test Receiver	ESR7	101676	Rohde & Schwarz	2020-11-27	1 year	
5	Spectrum Analyser	FSV40	101192	Rohde & Schwarz	2021-01-14	1 year	
6	Chamber	FACT3-2.0	1285	ETS-Lindgren	2021-07-19	3 years	
7	Antenna	QSH-SL-18- 26-S-20	17013	Q-par	2023-01-06	3 years	
8	Antenna	QSH-SL-26- 40-K-20	17014	Q-par	2023-01-06	3 years	

### **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 °C, Max. = 35 °C
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 °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

Tomporaturo	Min. = 15 °C, Max. = 35 °C
Temperature	IVIIII. = 15 C, IVIAX. = 35 C
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	Uncert	ainty
RF Output Power - Conducted	±1.32	2dB
2.Power Spectral Density - Conducted	±2.32	2dB
3.Occupied channel bandwidth - Conducted	±66l	-lz
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
	9kHz≤f≤30MHz	±1.70dB
F. Transmitter Churique Emission Dedicted	30MHz≤f≤1GHz	±4.90dB
5. Transmitter Spurious Emission - Radiated	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
	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
FCC CRF Part	connector is prohibited. This requirement does not apply to carrier current devices
15.203	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 0.55 dBi.

The RF transmitter uses an integrate antenna without connector.





# A.1 Maximum Peak Output Power

### Method of Measurement: See ANSI C63.10-clause 11.9.1.1

Use the following spectrum analyzer settings:

- a) Set the RBW = 1 MHz.
- b) Set VBW = 3 MHz.
- c) Set span = 3 MHz.
- d) Sweep time = auto couple.
- e) Detector = peak.
- f) Trace mode = max hold.
- g) Allow trace to fully stabilize.
- h) Use peak marker function to determine the peak amplitude level.

#### **Measurement Limit:**

Standard	Limit (dBm)
FCC 47 CRF Part 15.247(b)	< 30

#### **Measurement Results:**

Mode	Frequency (MHz)	RF output power (dBm)	Conclusion
	2402(CH0)	-1.89	Р
GFSK	2440(CH19)	-1.59	Р
	2480(CH39)	-2.02	Р

**Conclusion: Pass** 





# A.2 Peak Power Spectral Density

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

#### **Measurement Limit:**

Standard	Limit
FCC 47 CRF Part 15.247(e)	< 8 dBm/3 kHz

#### **Measurement Results:**

Mode	Frequency (MHz)	Peak Powe	r Spectral Density (dBm)	Conclusion
	2402(CH0)	Fig.1	-18.83	Р
GFSK	2440(CH19)	Fig.2	-18.46	Р
	2480(CH39)	Fig.3	-19.31	Р

See below for test graphs.

**Conclusion: PASS** 

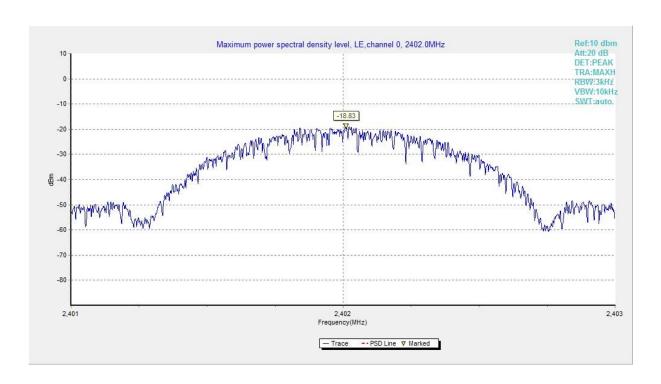


Fig.1 Power Spectral Density (Ch 0)



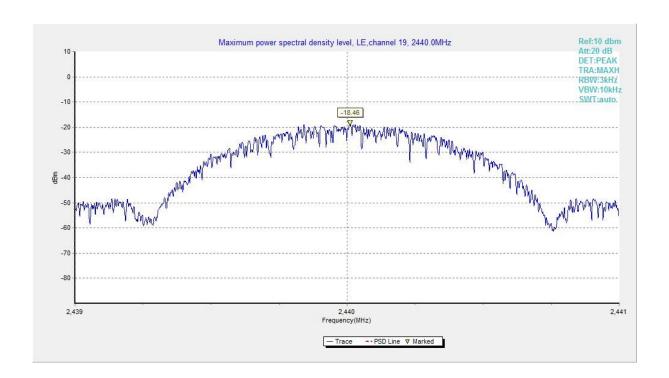


Fig.2 Power Spectral Density (Ch 19)

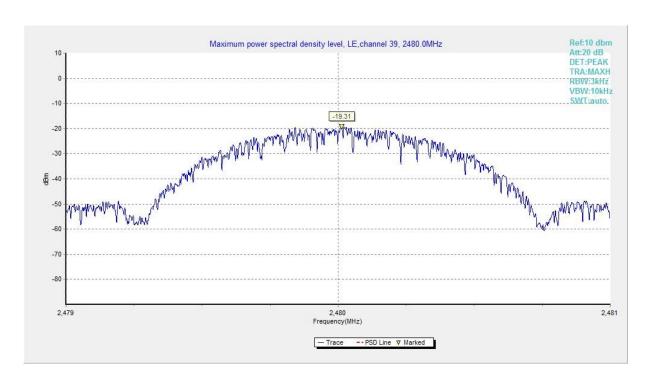


Fig.3 Power Spectral Density (Ch 39)





# 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
	2402(CH0)	Fig.4	718.50	Р
GFSK	2440(CH19)	Fig.5	716.50	Р
	2480(CH39)	Fig.6	723.50	Р

See below for test graphs.

**Conclusion: PASS** 

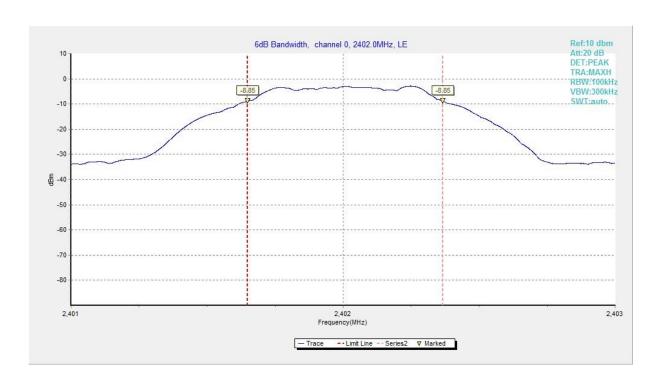


Fig.4 6dB Bandwidth (Ch 0)



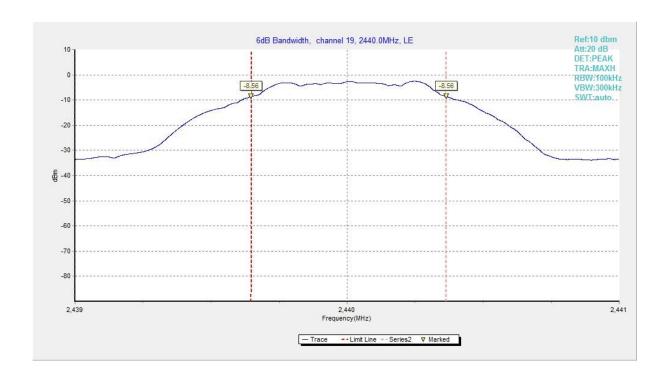


Fig.5 6dB Bandwidth (Ch 19)

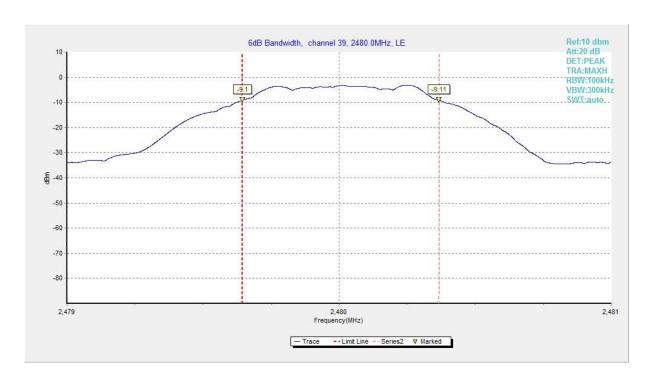


Fig.6 6dB Bandwidth (Ch 39)





# A.4 Band Edges Compliance

# **Measurement Limit:**

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

### **Measurement Result:**

Mode	Frequency (MHz)	Test Results (dBc)		Conclusion
GFSK -	2402(CH0)	Fig.7	45.43	Р
	2480(CH39)	Fig.8	46.99	Р

See below for test graphs.

**Conclusion: PASS** 



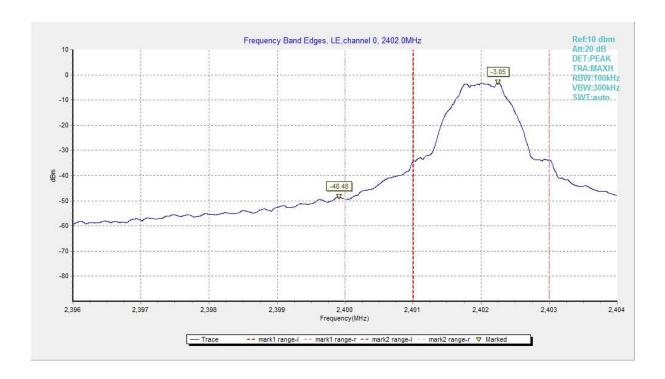


Fig.7 Band Edges (Ch 0)

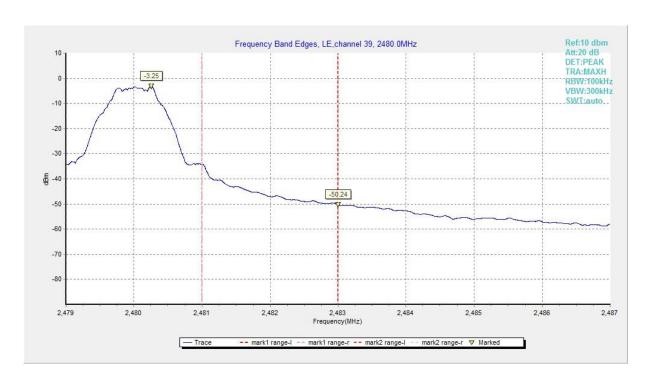


Fig.8 Band Edges (Ch 39)





# A.5 Transmitter Spurious Emission - Conducted

#### **Measurement Limit:**

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

#### **Measurement Results:**

MODE	Channel	Frequency Range	Test Results	Conclusion
		2.402 GHz	Fig.9	Р
	0	1GHz -3GHz	Fig.10	Р
		3GHz-10GHz	Fig.11	Р
		2.440 GHz	Fig.12	Р
	19	1GHz -3GHz	Fig.13	Р
GFSK		3GHz-10GHz	Fig.14	Р
		2.480 GHz	Fig.15	Р
	39	1GHz -3GHz	Fig.16	Р
		3GHz-10GHz	Fig.17	Р
	All channels	30MHz-1GHz	Fig.18	Р
	All Challies	10GHz-26GHz	Fig.19	Р

See below for test graphs.

**Conclusion: Pass** 



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



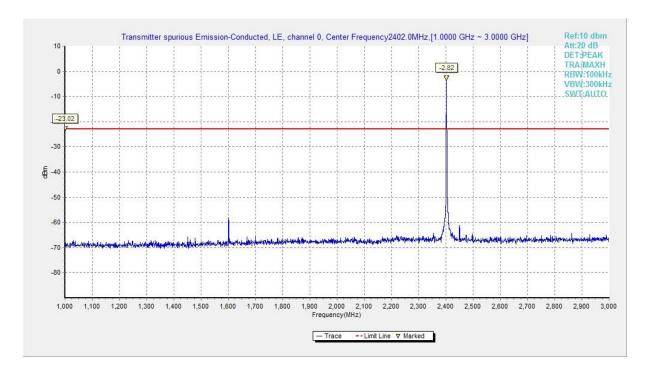


Fig.10 Conducted Spurious Emission (Ch0, 1 GHz-3 GHz)

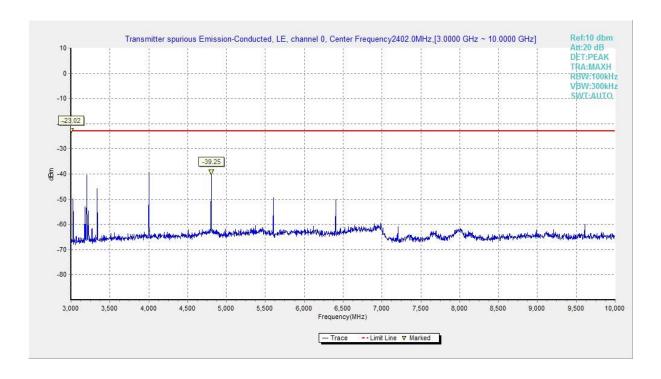


Fig.11 Conducted Spurious Emission (Ch0, 3 GHz-10 GHz)





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

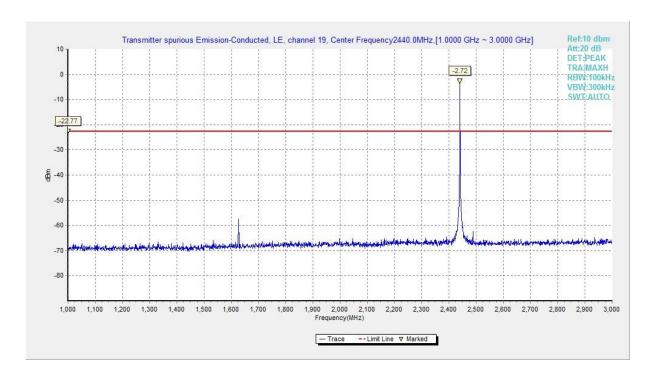


Fig.13 Conducted Spurious Emission (Ch19, 1 GHz-3 GHz)



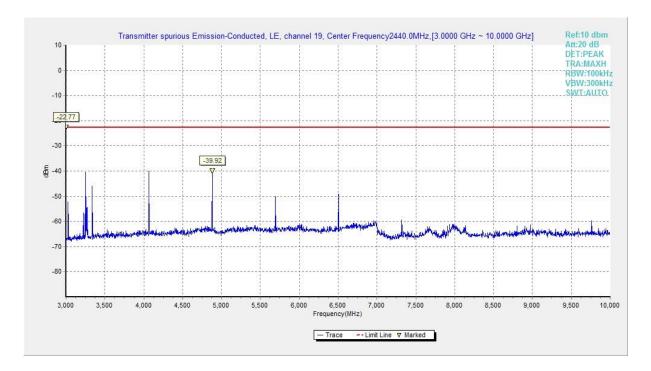


Fig.14 Conducted Spurious Emission (Ch19, 3 GHz-10 GHz)



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



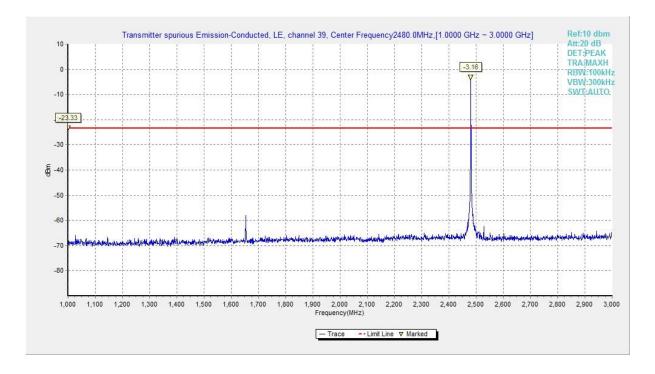


Fig.16 Conducted Spurious Emission (Ch39, 1 GHz-3 GHz)

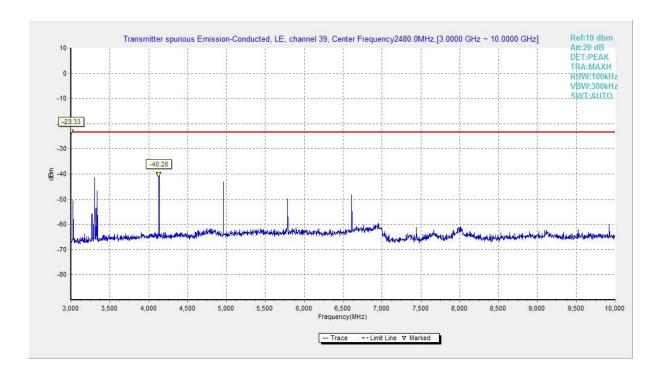


Fig.17 Conducted Spurious Emission (Ch39, 3 GHz-10 GHz)



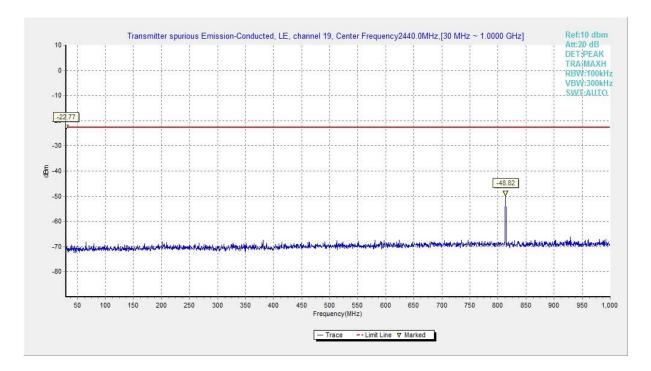


Fig.18 Conducted Spurious Emission (All channels, 30 MHz-1 GHz)

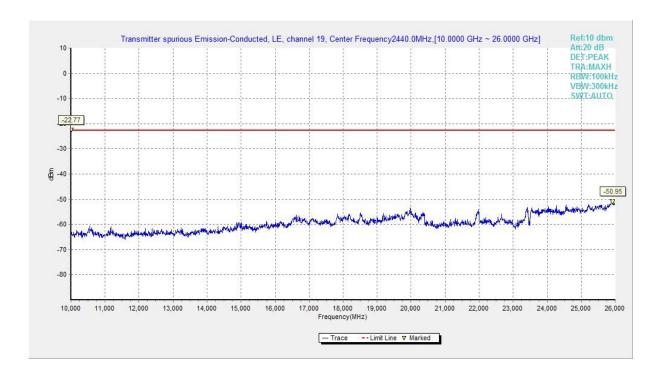


Fig.19 Conducted Spurious Emission (All channels, 10 GHz-26 GHz)





# 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	RBW/VBW	Sweep Time(s)
(MHz)		
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
	0	1 GHz ~3 GHz	Fig.20	Р
		3 GHz ~18 GHz	Fig.21	Р
	19	1 GHz ~3 GHz	Fig.22	Р
	19	3 GHz ~18 GHz	Fig.23	Р
	39  Restricted Band(CH0)  Restricted Band(CH39)	1 GHz ~3 GHz	Fig.24	Р
GFSK		3 GHz ~18 GHz	Fig.25	Р
		2.38 GHz ~ 2.45 GHz	Fig.26	Р
		2.45 GHz ~ 2.5 GHz	Fig.27	Р
		9 kHz ~30 MHz	Fig.28	Р
	All channels	30 MHz ~1 GHz	Fig.29	Р
		18 GHz ~ 26.5 GHz	Fig.30	Р

### **Worst Case Result**

# GFSK CH0 (1-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
10047.00	45.20	74.00	28.80	Н	4.9
11000.50	46.13	74.00	27.87	Н	5.1
12625.50	47.31	74.00	26.69	V	7.7
14512.00	49.59	74.00	24.41	Н	11.5
15956.50	49.70	74.00	24.30	Н	13.3
17611.50	51.17	74.00	22.83	Н	15.6

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
3202.50	39.45	54.00	14.55	V	-3.3
4003.50	39.34	54.00	14.66	Н	-2.4
5604.50	40.47	54.00	13.53	V	0.4
12880.50	37.91	54.00	16.09	Н	8.3
14824.50	38.85	54.00	15.15	Н	10.7
17515.00	41.02	54.00	12.98	Н	14.9



# **GFSK CH19 (1-18GHz)**

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
4068.00	45.49	74.00	28.51	Н	-2.4
12283.50	46.85	74.00	27.15	Н	7.1
13534.50	47.64	74.00	26.36	V	8.8
14846.00	48.24	74.00	25.76	V	10.8
16587.50	50.50	74.00	23.50	Н	14.8
17945.00	51.41	74.00	22.59	V	16

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
3254.50	39.61	54.00	14.39	V	-3.3
4068.00	41.79	54.00	12.21	Н	-2.4
5695.50	38.77	54.00	15.23	V	0.5
14466.00	39.25	54.00	14.75	V	11.2
16163.00	39.97	54.00	14.03	Н	14.3
17889.00	41.14	54.00	12.86	Н	16.2

# GFSK CH39 (1-18GHz)

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
9783.00	45.43	74.00	28.57	V	4.2
11571.50	46.22	74.00	27.78	Н	6.5
12655.00	47.09	74.00	26.91	V	7.6
14484.50	48.65	74.00	25.35	V	11.3
16092.00	48.76	74.00	25.24	V	13.9
17617.50	51.06	74.00	22.94	Н	15.6

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Corr. (dB)
3306.50	36.42	54.00	17.58	Н	-3.2
4133.50	40.05	54.00	13.95	Н	-2.4
5786.50	36.06	54.00	17.94	V	0.4
14167.00	38.14	54.00	15.86	Н	10.7
15468.00	38.45	54.00	15.55	Н	11.8
17912.50	41.93	54.00	12.07	Н	16.3





#### 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=  $P_{\text{Mea}}$  +Cable Loss +Antenna Factor-Gain of the preamplifier.

See below for test graphs.

**Conclusion: Pass** 



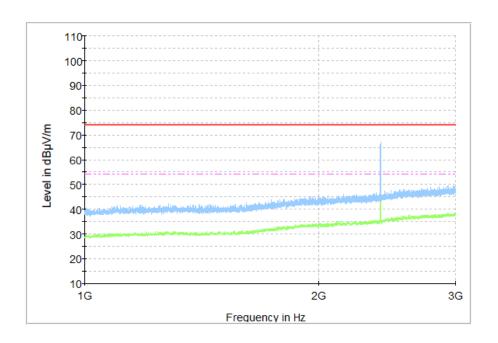


Fig.20 Radiated Spurious Emission (GFSK, Ch0, 1 GHz ~3 GHz)

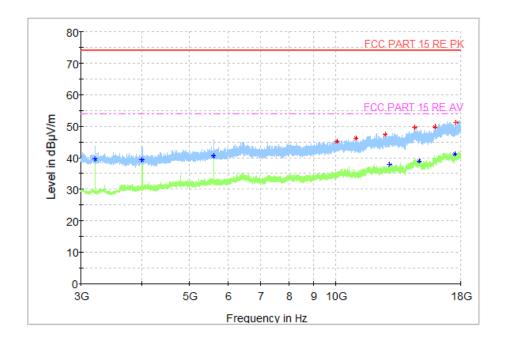


Fig.21 Radiated Spurious Emission (GFSK, Ch0, 3 GHz ~18 GHz)



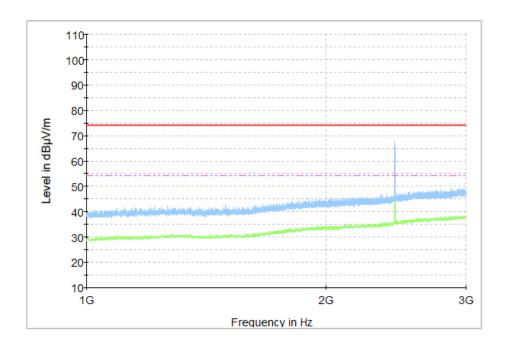


Fig.22 Radiated Spurious Emission (GFSK, Ch19, 1 GHz ~3 GHz)

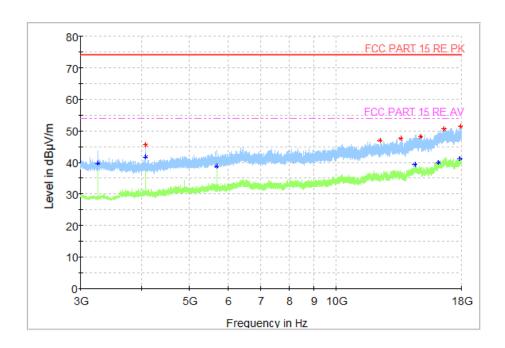


Fig.23 Radiated Spurious Emission (GFSK, Ch19, 3 GHz ~18 GHz)



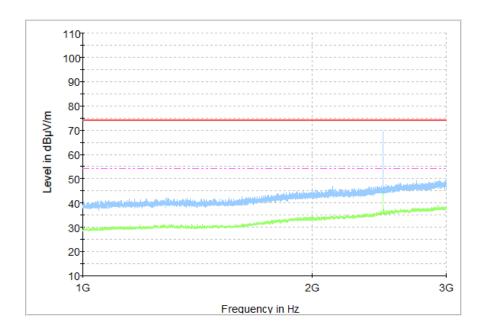


Fig.24 Radiated Spurious Emission (GFSK, Ch39, 1 GHz ~3 GHz)

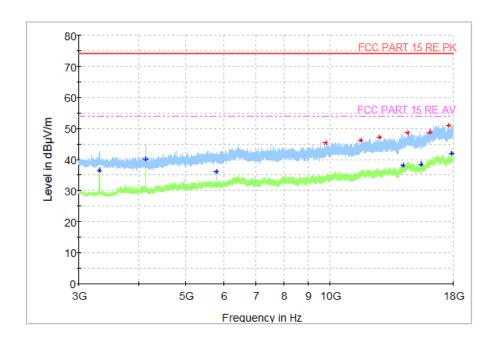


Fig.25 Radiated Spurious Emission (GFSK, Ch39, 3 GHz ~18 GHz)



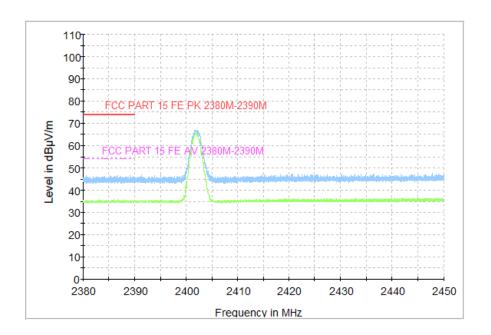


Fig.26 Radiated Band Edges (GFSK, Ch0, 2380GHz~2450GHz)

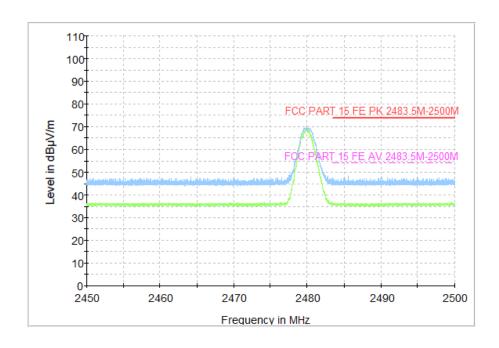


Fig.27 Radiated Band Edges (GFSK, Ch39, 2450GHz~2500GHz)



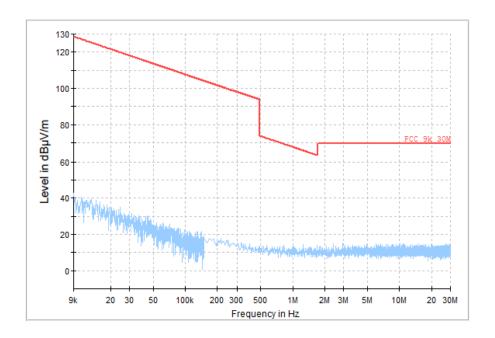


Fig.28 Radiated Spurious Emission (All Channels, 9 kHz-30 MHz)

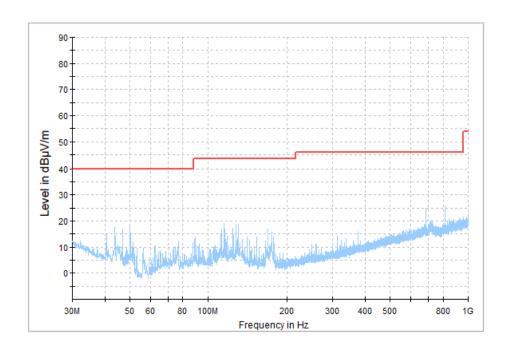


Fig.29 Radiated Spurious Emission (All Channels, 30 MHz-1 GHz)



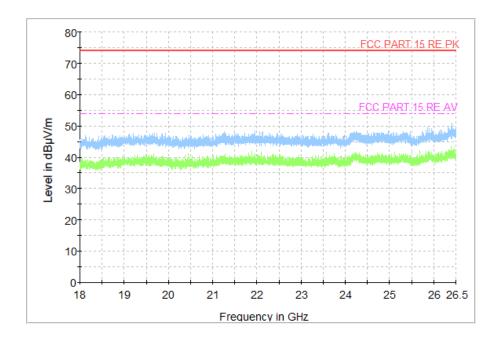


Fig.30 Radiated Spurious Emission (All Channels, 18 GHz-26.5 GHz)





### A.7 AC Power line Conducted Emission

#### **Test Condition:**

Voltage (V)	Frequency (Hz)
120	60

#### **Measurement Result and limit:**

BLE (Quasi-peak Limit)

Frequency range	Quasi-peak	Result (dBμV)		Conclusion
(MHz)	Limit (dBμV)	Traffic	ldle	Conclusion
0.15 to 0.5	66 to 56			
0.5 to 5	56	Fig.31	Fig.32	Р
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)

Frequency range	Average-peak	Result (dBμV)		Canalysian
(MHz)	Limit (dBμV)	Traffic	ldle	Conclusion
0.15 to 0.5	56 to 46			
0.5 to 5	46	Fig 31	Fig 32	Р
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** 



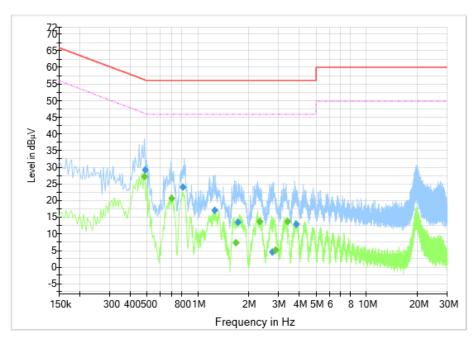


Fig.31 AC Power line Conducted Emission (Traffic)

### Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.484	29.23	56.27	27.04	N	9.6
0.812	24.06	56.00	31.94	N	9.6
1.256	17.10	56.00	38.90	N	9.7
1.724	13.50	56.00	42.50	N	9.7
2.748	4.59	56.00	51.41	N	9.7
3.808	12.91	56.00	43.09	N	9.7

#### **Measurement Results: Average**

measurement Results : Average						
Frequency	Average	Limit	Margin	Line	Corr.	
(MHz)	(dBµV)	(dBµV)	(dB)		(dB)	
0.158	25.43	55.57	30.14	N	9.6	
0.212	22.80	53.13	30.33	N	9.6	
0.644	26.49	46.00	19.51	N	9.6	
0.976	15.12	46.00	30.88	N	9.7	
1.924	20.30	46.00	25.70	N	9.7	
14.152	25.53	50.00	24.47	N	9.8	



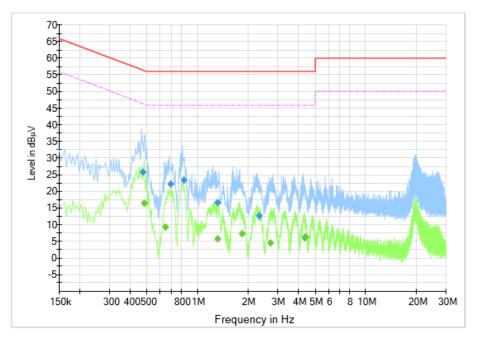


Fig.32 AC Power line Conducted Emission (Idle)

### Measurement Results: Quasi Peak

Frequency (MHz)	Quasi Peak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.472	25.86	56.48	30.62	N	9.6
0.692	22.29	56.00	33.71	N	9.6
0.828	23.48	56.00	32.52	N	9.6
1.316	16.67	56.00	39.33	N	9.7
2.320	12.71	56.00	43.30	N	9.7
4.340	6.20	56.00	49.80	N	9.7

### **Measurement Results: Average**

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.480	16.48	46.34	29.86	L1	9.6
0.644	9.22	46.00	36.78	L1	9.6
1.308	5.68	46.00	40.32	L1	9.7
1.828	7.27	46.00	38.73	L1	9.7
2.704	4.55	46.00	41.45	L1	9.7
4.372	6.29	46.00	39.71	L1	9.7

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