

# FCC Test Report

## ANNEX 6 LTE BAND 5

### FCC ID: 2A5LY-IPDA091

Applicant: Guangzhou MUNBYN Information Technology Co., Ltd.  
Address: 329 3rd Floor, Tairong Business Center, No. 63 Xizeng Road, Liwan District, Guangzhou, China.

Manufacturer: Guangzhou MUNBYN Information Technology Co., Ltd.  
Address: 329 3rd Floor, Tairong Business Center, No. 63 Xizeng Road, Liwan District, Guangzhou, China.

EUT: Commercial PDA

Trade Mark: MUNBYN

Model Number: IPDA091, IPDA092

Date of Receipt: Apr. 15, 2022

Test Date: Apr. 15, 2022 – May. 05, 2022

Date of Report: May. 05, 2022

Prepared By: Shenzhen DL Testing Technology Co., Ltd.  
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Applicable Standards: FCC CFR Title 47 Part22 Subpart H  
FCC CFR Title 47 Part24 Subpart E  
FCC CFR Title 47 Part27  
ANSI/TIA-603-E-2016  
FCC KDB 971168 D01 Power Meas. License Digital Systems v03v01  
ANSI C63.26:2015

Test Result: Pass

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## 1. EMISSION TEST RESULTS

### 1.1. -26dB and 99% Occupied Bandwidth

#### 1.1.1. Test Result

EUT Mode Bandwidth	Modulation	Frequency (MHz)	99% Occupied bandwidth (MHz)	-26dB bandwidth (MHz)
LTE Band 5 1.4MHz	QPSK	824.7	1.09	1.27
		836.5	1.10	1.30
		848.3	1.09	1.27
LTE Band 5 1.4 MHz	16-QAM	824.7	1.10	1.29
		836.5	1.10	1.27
		848.3	1.10	1.31
LTE Band 5 3 MHz	QPSK	825.5	2.69	2.92
		836.5	2.69	2.91
		847.5	2.69	2.92
LTE Band 5 3 MHz	16-QAM	825.5	2.69	2.93
		836.5	2.69	2.87
		847.5	2.70	2.94
LTE Band 5 5 MHz	QPSK	826.5	4.50	4.92
		836.5	4.49	4.93
		846.5	4.49	4.93
LTE Band 5 5 MHz	16-QAM	826.5	4.50	4.93
		836.5	4.49	4.80
		846.5	4.47	4.75
LTE Band 5 10 MHz	QPSK	829	9.00	9.75
		836.5	8.98	9.72
		844	9.00	9.72
LTE Band 5 10 MHz	16-QAM	829	8.96	9.69
		836.5	8.97	9.70
		844	8.89	9.34

Note: Measurement Uncertainty:  $\pm 20\text{Hz}$ .

Test plot as follows:

LTE Band 5 Lowest channel

1.4 MHz QPSK



LTE Band 5 Middle channel

1.4 MHz QPSK



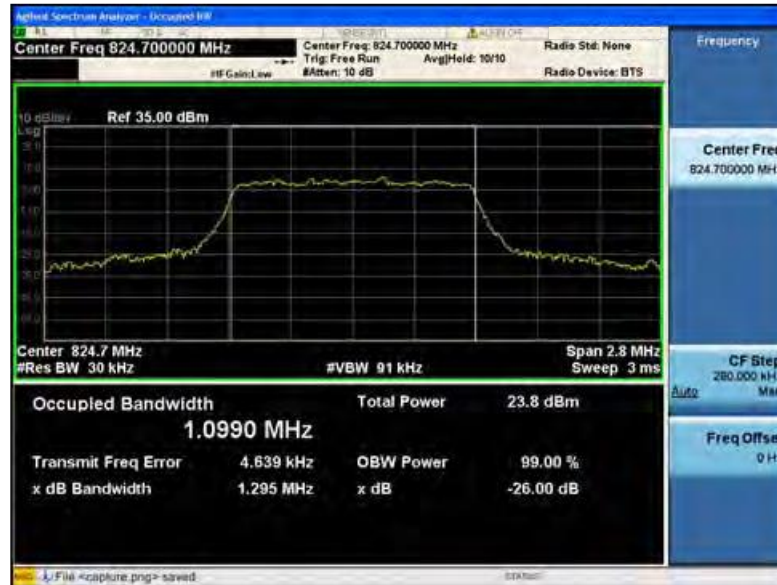
LTE Band 5 Highest channel:

1.4 MHz QPSK



LTE Band 5 Lowest channel

1.4 MHz 16-QAM



LTE Band 5 Middle channel

1.4 MHz 16-QAM



LTE Band 5 Highest channel:

1.4 MHz 16-QAM



LTE Band 5 Lowest channel

3 MHz QPSK



LTE Band 5 Middle channel

3 MHz QPSK



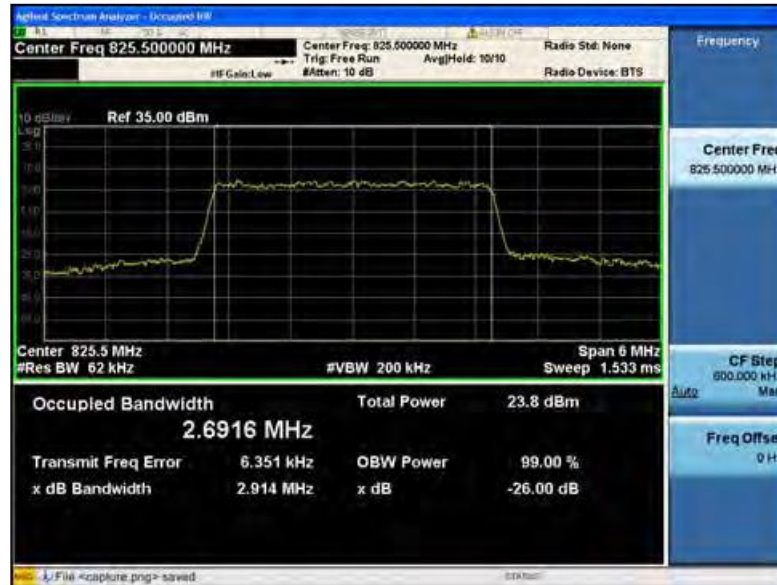
LTE Band 5 Highest channel:

3 MHz QPSK



LTE Band 5 Lowest channel

3 MHz 16-QAM



LTE Band 5 Middle channel

3 MHz 16-QAM



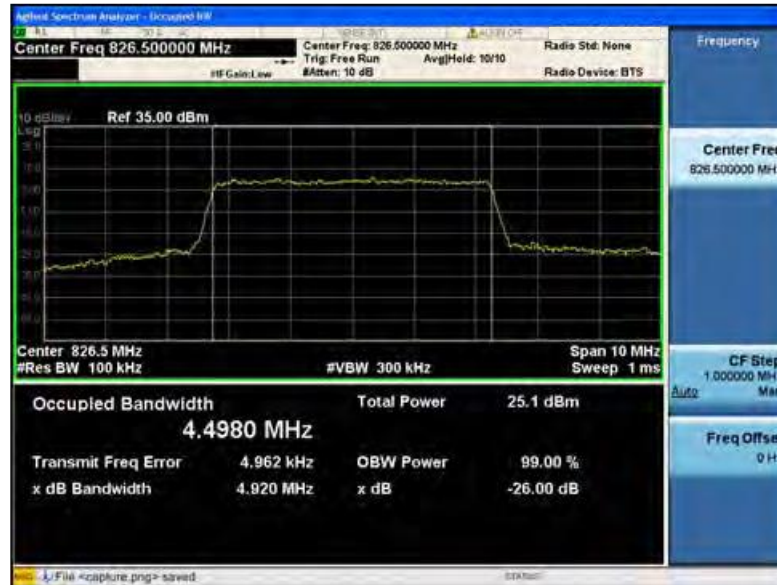
LTE Band 5 Highest channel:

3 MHz 16-QAM



LTE Band 5 Lowest channel

5 MHz QPSK



LTE Band 5 Middle channel

5 MHz QPSK



LTE Band 5 Highest channel:

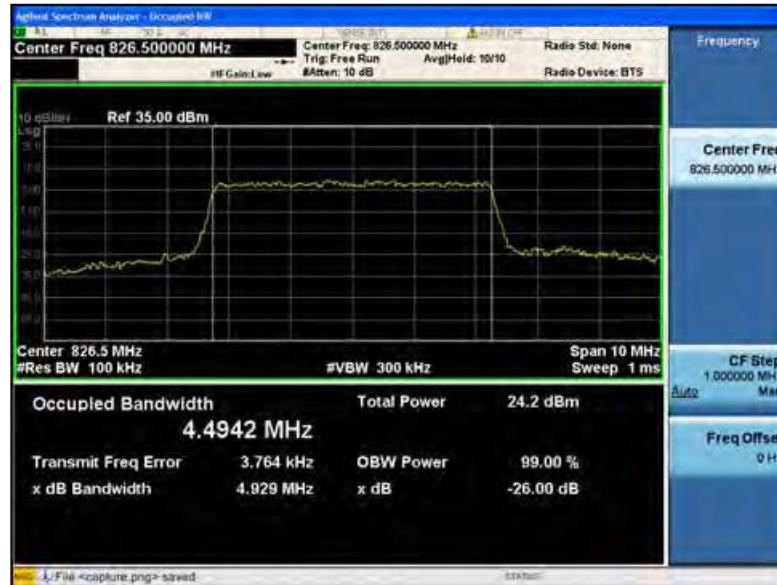
5 MHz QPSK





LTE Band 5 Lowest channel

5 MHz 16-QAM



LTE Band 5 Middle channel

5 MHz 16-QAM



LTE Band 5 Highest channel:

5 MHz 16-QAM



LTE Band 5 Lowest channel

10 MHz QPSK



LTE Band 5 Middle channel

10 MHz QPSK



LTE Band 5 Highest channel:

10 MHz QPSK



LTE Band 5 Lowest channel

10 MHz 16-QAM



LTE Band 5 Middle channel

10 MHz 16-QAM



LTE Band 5 Highest channel:

10 MHz 16-QAM



## 1.2. Conducted Spurious Emissions

### 1.2.1. Test Result

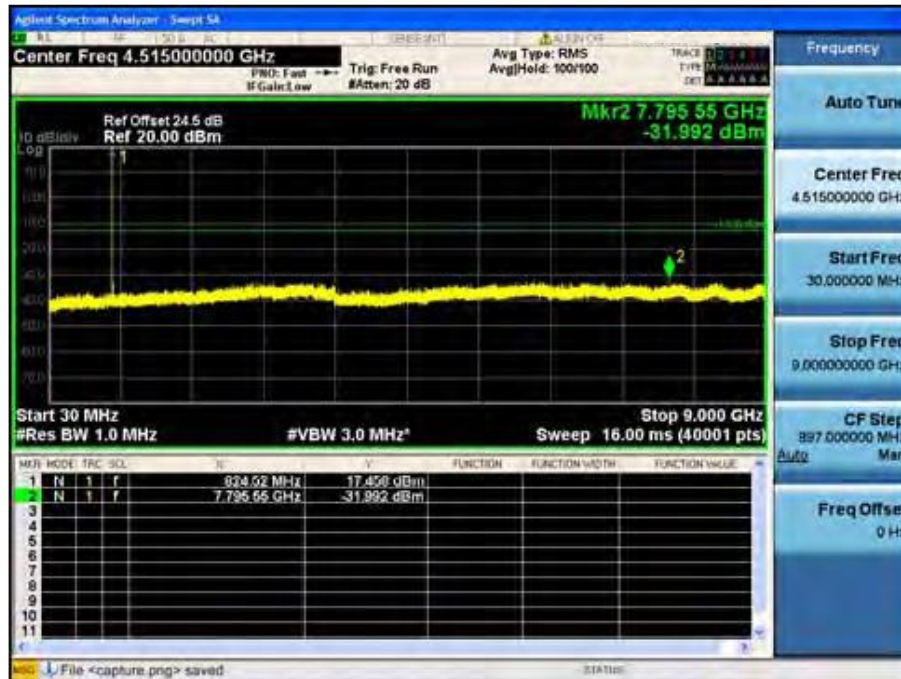
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

For LTE mode, the plot only show the QPSK, RB100's data.

Pass, the table and plot please see annex.

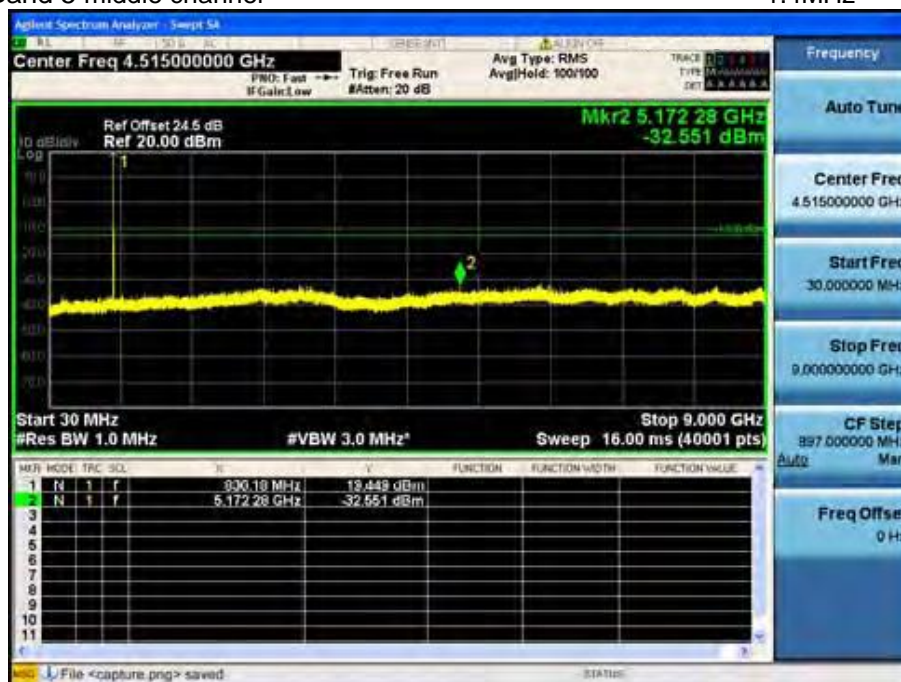
LTE Band 5 Lowest channel

1.4MHz



LTE Band 5 middle channel

1.4MHz



LTE Band 5 high channel

1.4MHz



LTE Band 5 Lowest channel

3MHz



LTE Band 5 middle channel

3MHz



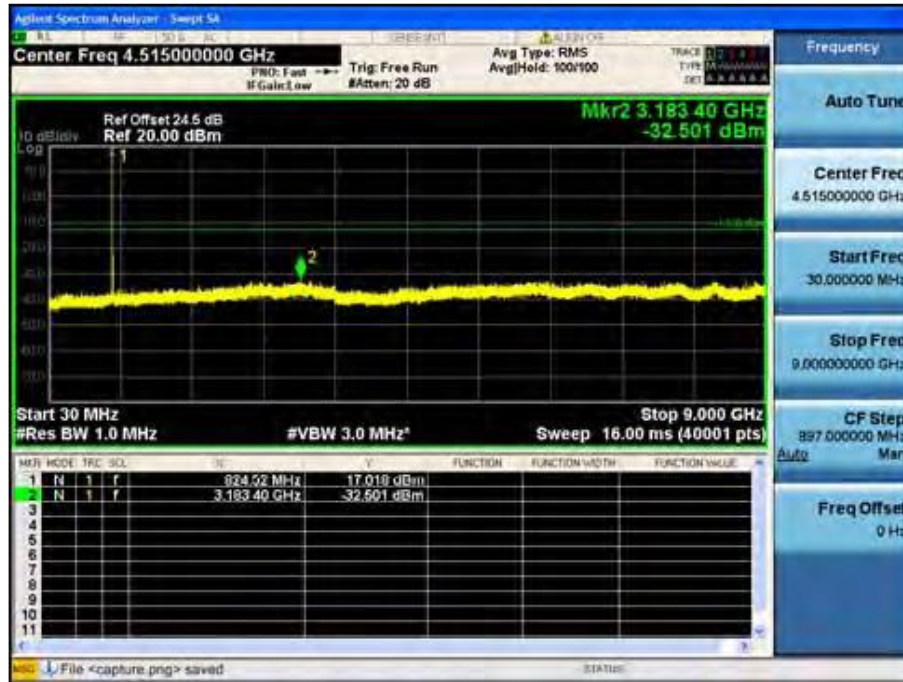
LTE Band 5 high channel

3MHz



LTE Band 5 Lowest channel

5MHz



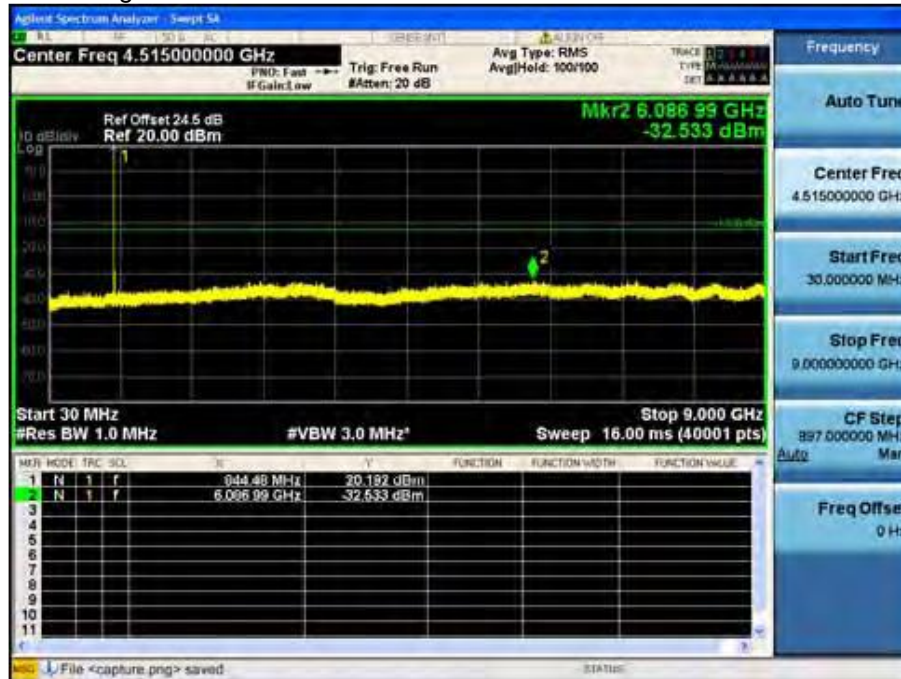
LTE Band 5 middle channel

5MHz



LTE Band 5 high channel

5MHz



LTE Band 5 Lowest channel

10MHz





LTE Band 5 middle channel

10MHz



LTE Band 5 high channel

10MHz



### 1.3. Conducted Out of Band Emissions

#### 1.3.1. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

LTE Band 5 Lowest channel

1.4MHz 1RB



LTE Band 5 Lowest channel

1.4MHz 6RB



LTE Band 5 Highest channel:

1.4MHz 1RB



LTE Band 5 Highest channel:

1.4MHz 6RB





LTE Band 5 Highest channel:

3MHz 1RB



LTE Band 5 Highest channel:

3MHz 15RB



LTE Band 5 Lowest channel

5MHz 1RB



LTE Band 5 Lowest channel

5MHz 25RB



LTE Band 5 Highest channel:

5MHz 1RB



LTE Band 5 Highest channel:

5MHz 25RB



LTE Band 5 Lowest channel

10MHz 1RB



LTE Band 5 Lowest channel

10MHz 50RB





LTE Band 5 Highest channel:

10MHz 1RB



LTE Band 5 Highest channel:

10MHz 50RB



\*\*\*\*\* END \*\*\*\*\*