

# FCC Test Report

## ANNEX 4 LTE BAND 2

### FCC ID: 2A5EP-S10

Applicant: SZ TPS CO., LTD  
Address: Floor 2, Building 2, No.596, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen, China  
Manufacturer: SZ TPS CO., LTD  
Address: Floor 2, Building 2, No.596, Zhoushi Road, Jiuwei Community, Hangcheng Street, Baoan District, Shenzhen, China  
EUT: Tablet PC  
Trade Mark: N/A  
Model Number: S10, S8-9863A, S7-7731E, Q8-7731E, S10-9863A, W116, P30, M70, M50, SF116, SF133, K116, Q7, Q8, Q10, SQ8, 7 INCH KIDS, N10, W133B, W101, P10, W801, K8, W102, FS8-6753, N4120, A789, RK3126  
Date of Receipt: Feb. 25, 2022  
Test Date: Feb. 25, 2022 – Mar. 20, 2022  
Date of Report: Mar. 20, 2022  
Prepared By: Shenzhen DL Testing Technology Co., Ltd.  
Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone, Baolong Street, Longgang District, Shenzhen, Guangdong, China  
Applicable Standards: FCC CFR Title 47 Part22 Subpart H  
FCC CFR Title 47 Part24 Subpart E  
FCC CFR Title 47 Part27  
ANSI/ TIA/ EIA-603-D-2010  
FCC KDB 971168 D01 Power Meas. License Digital Systems v02v02  
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

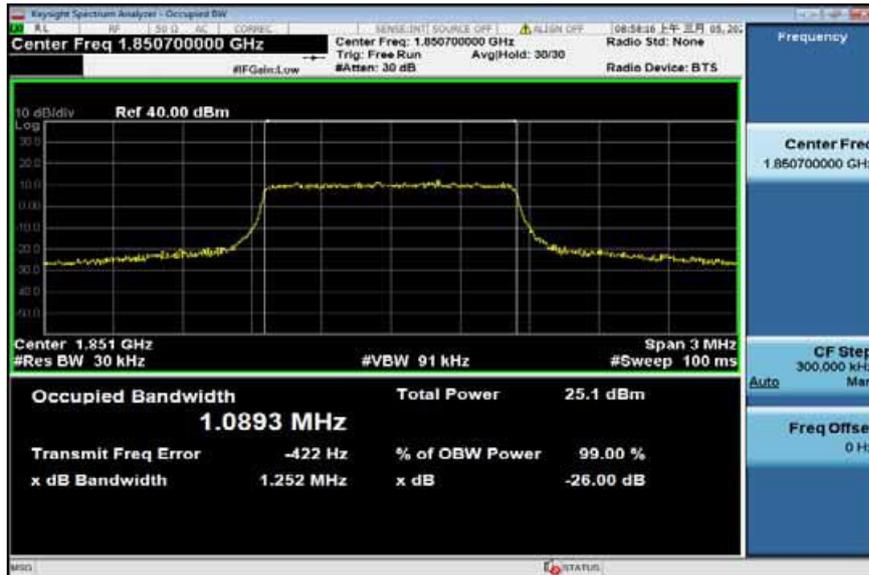
EUT Mode Bandwidth	Modulation	Frequency (MHz)	99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
LTE Band 2 1.4MHz	QPSK	1850.7	1.0893	1.252
		1882.5	1.0888	1.268
		1914.3	1.0897	1.272
LTE Band 2 1.4 MHz	16-QAM	1850.7	1.0898	1.264
		1882.5	1.0878	1.258
		1914.3	1.0903	1.268
LTE Band 2 3 MHz	QPSK	1851.5	2.6933	2.853
		1882.5	2.6944	2.864
		1913.5	2.6947	2.855
LTE Band 2 3 MHz	16-QAM	1851.5	2.6888	2.879
		1882.5	2.6890	2.859
		1913.5	2.6860	2.851
LTE Band 2 5 MHz	QPSK	1852.5	4.5096	5.033
		1882.5	4.5061	4.981
		1912.5	4.5061	5.035
LTE Band 2 5 MHz	16-QAM	1852.5	4.5155	4.964
		1882.5	4.5040	5.016
		1912.5	4.5123	4.954
LTE Band 2 10 MHz	QPSK	1855.0	8.9958	9.625
		1882.5	8.9886	9.594
		1910.0	8.9816	9.661
LTE Band 2 10 MHz	16-QAM	1855.0	8.9899	9.620
		1882.5	8.9960	9.551
		1910.0	8.9817	9.637
LTE Band 2 15 MHz	QPSK	1857.5	13.490	15.72
		1882.5	13.484	14.33
		1907.5	13.492	14.44
LTE Band 2 15 MHz	16-QAM	1857.5	13.474	14.34
		1882.5	13.479	14.32
		1907.5	13.468	14.32
LTE Band 2 20 MHz	QPSK	1860.0	17.922	18.99
		1882.5	17.966	19.04
		1905.0	17.960	19.03
LTE Band 2 20 MHz	16-QAM	1860.0	17.925	19.03
		1882.5	17.974	19.01
		1905.0	17.948	19.04

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

Test plot as follows:

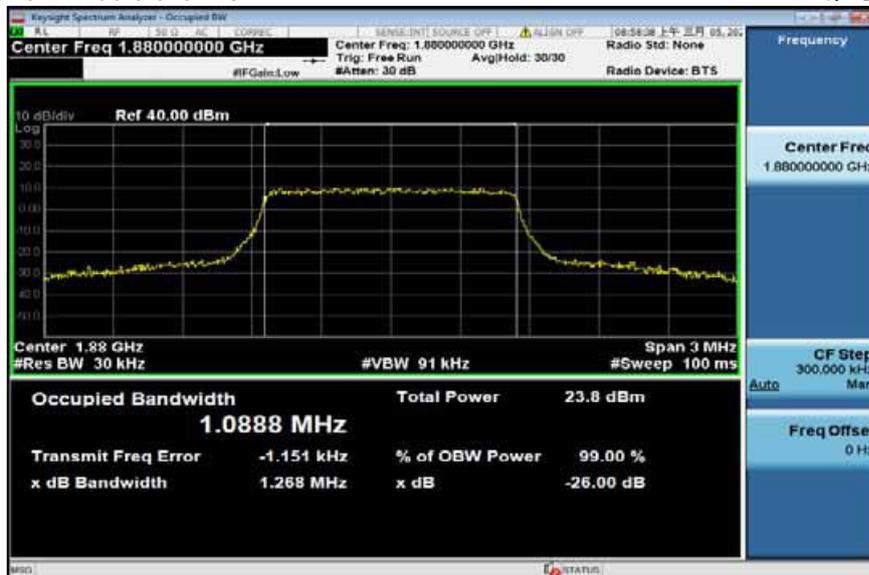
LTE Band 2 Lowest channel

1.4 MHz QPSK



LTE Band 2 Middle channel

1.4 MHz QPSK



LTE Band 2 Highest channel:

1.4 MHz QPSK



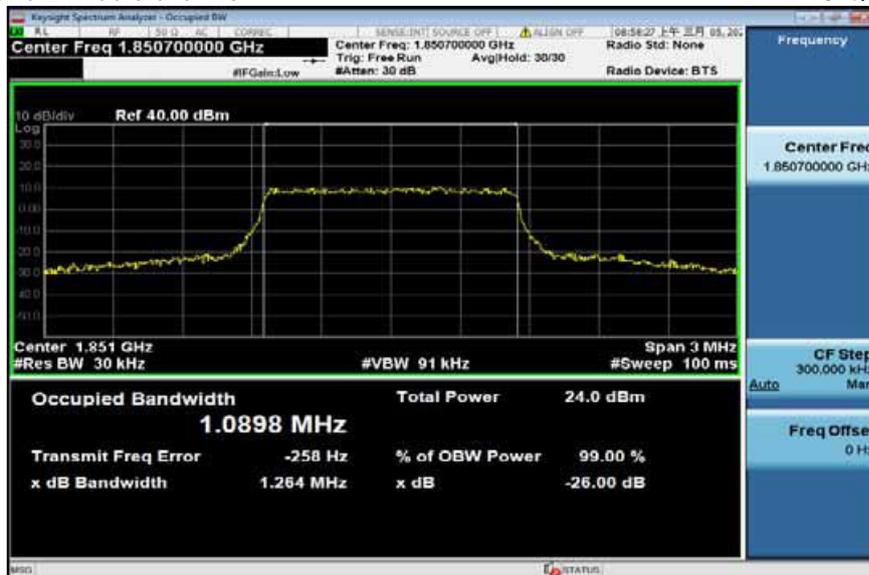
LTE Band 2 Lowest channel

1.4 MHz 16-QAM



LTE Band 2 Middle channel

1.4 MHz 16-QAM



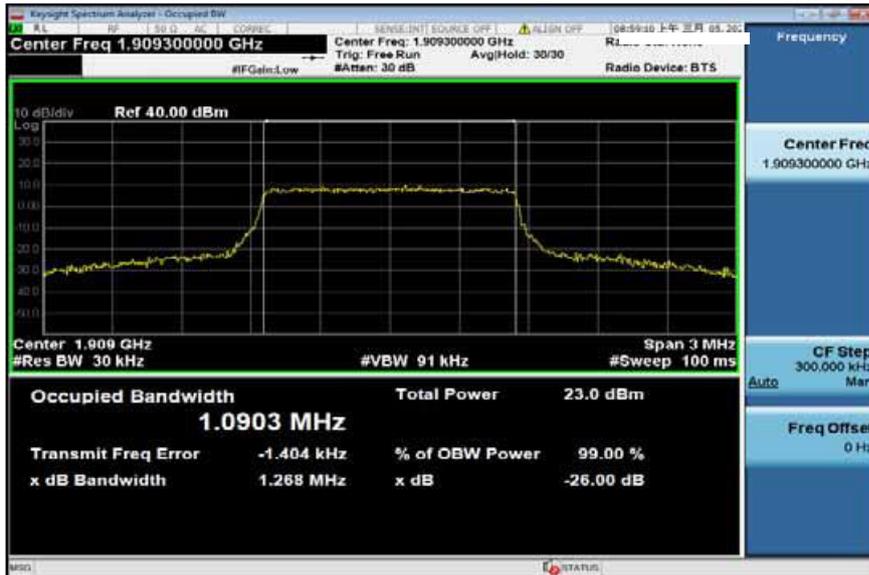
LTE Band 2 Highest channel:

1.4 MHz 16-QAM



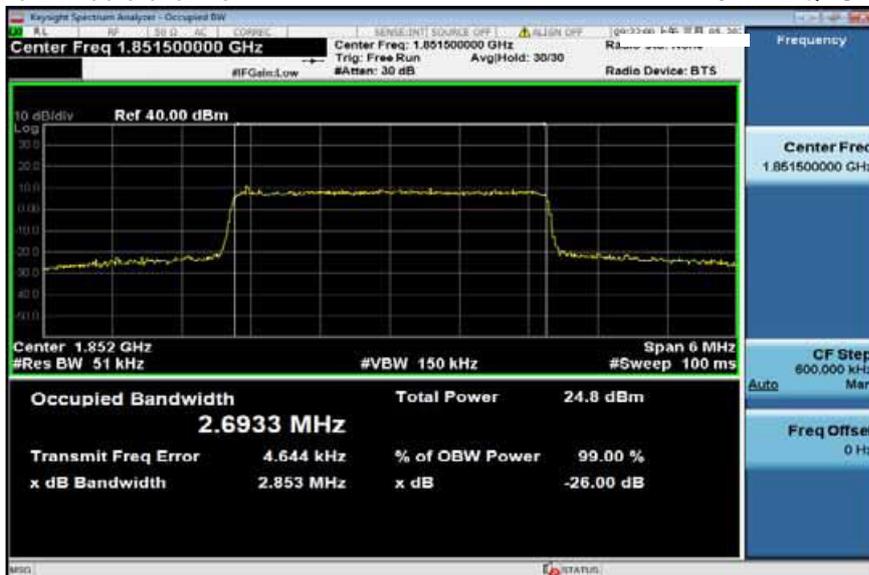
LTE Band 2 Lowest channel

3 MHz QPSK



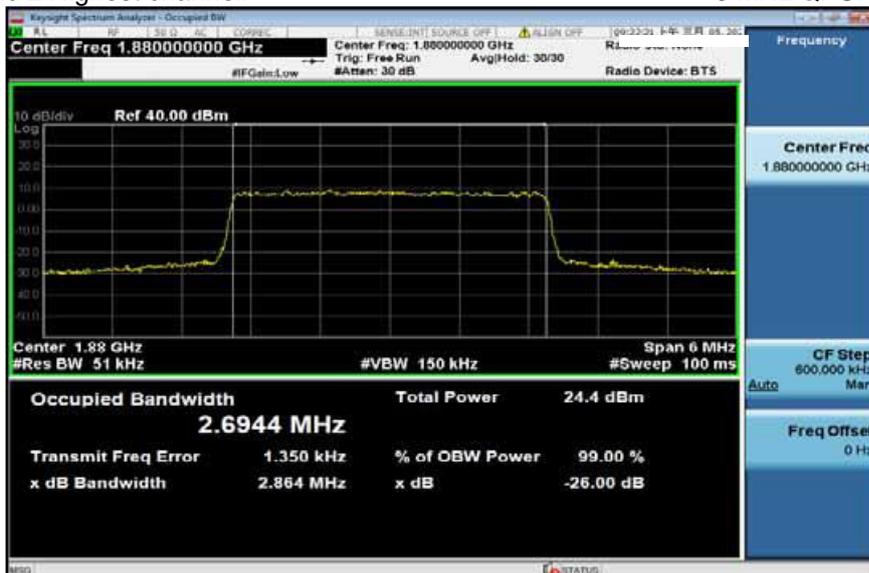
LTE Band 2 Middle channel

3 MHz QPSK



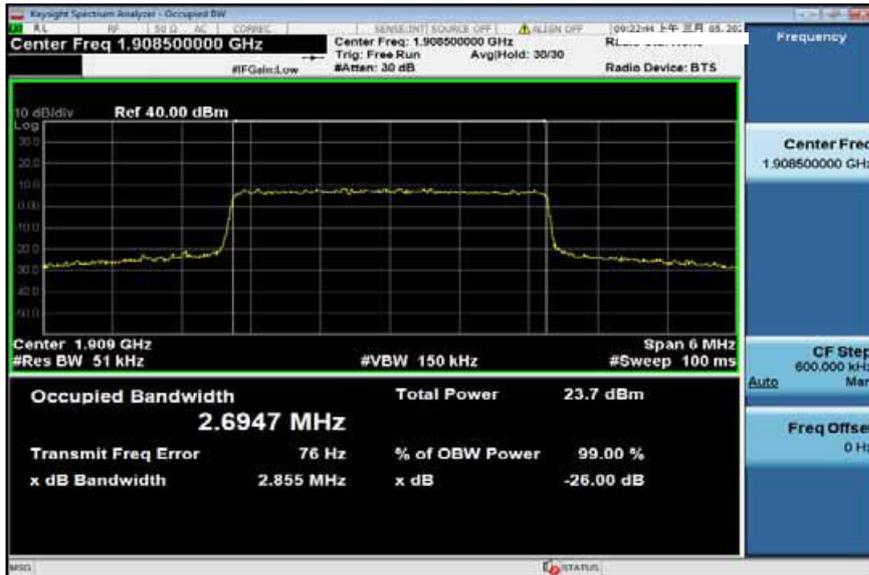
LTE Band 2 Highest channel:

3 MHz QPSK



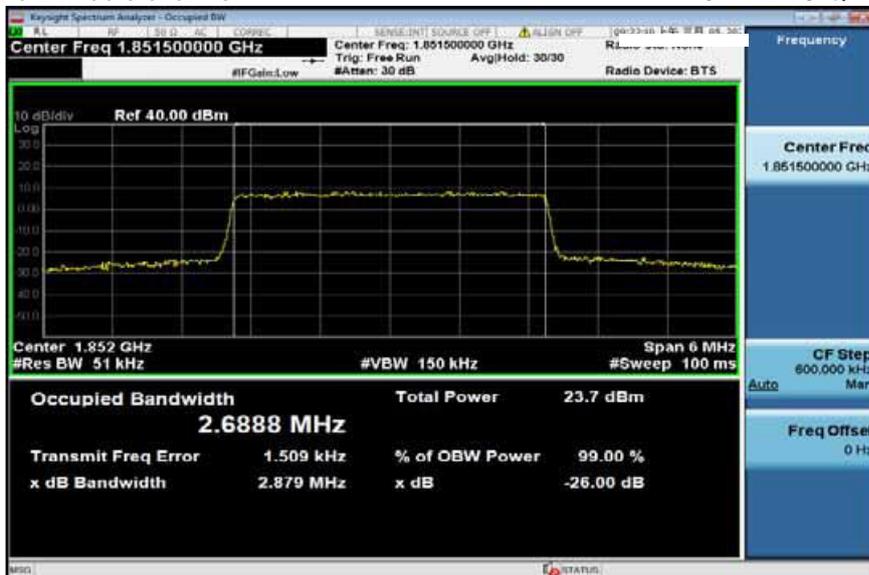
LTE Band 2 Lowest channel

3 MHz 16-QAM



LTE Band 2 Middle channel

3 MHz 16-QAM



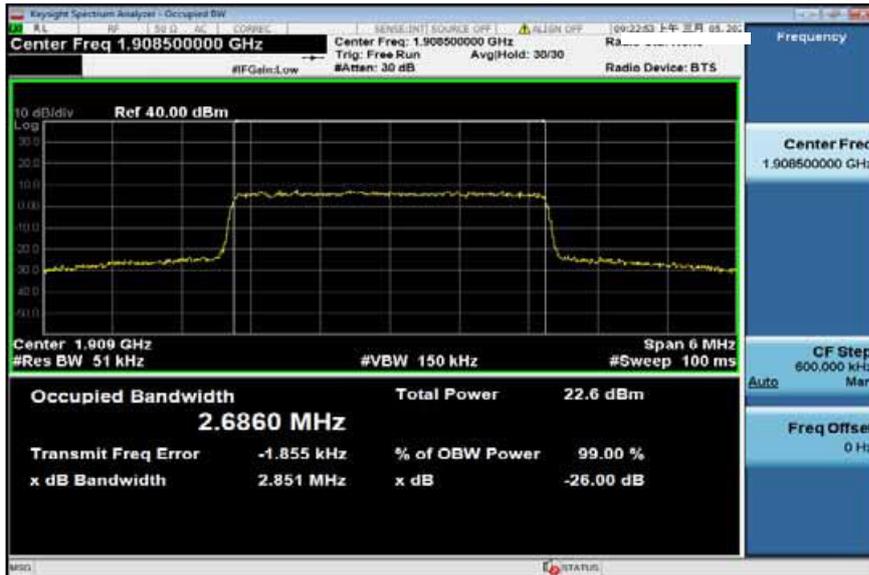
LTE Band 2 Highest channel:

3 MHz 16-QAM



LTE Band 2 Lowest channel

5 MHz QPSK



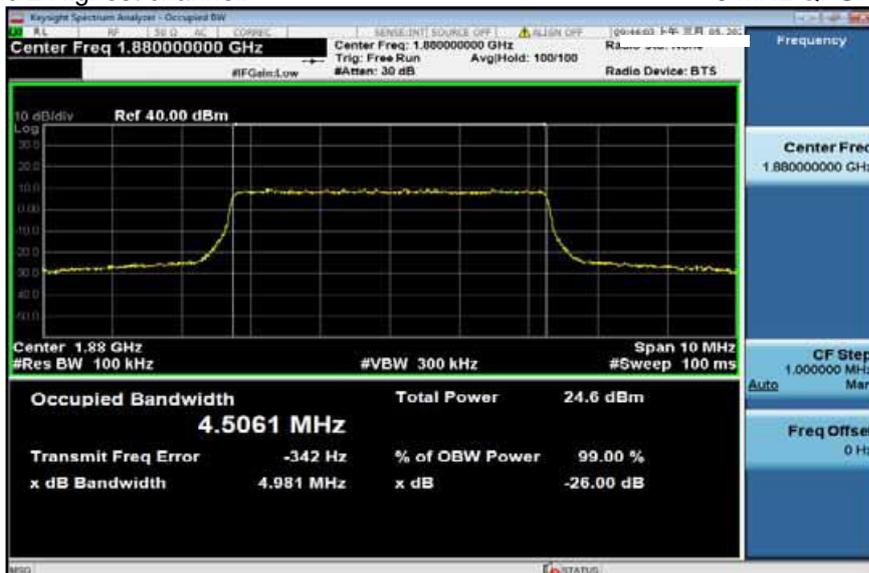
LTE Band 2 Middle channel

5 MHz QPSK



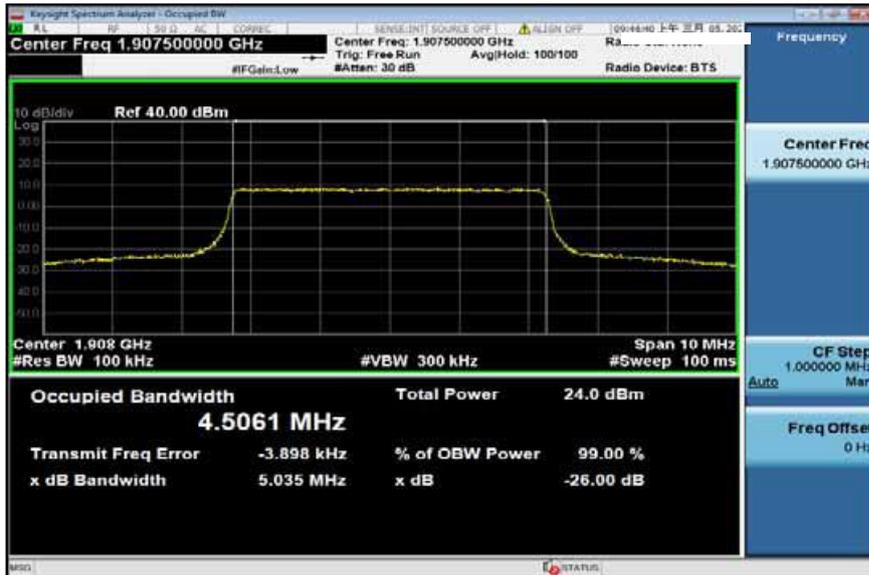
LTE Band 2 Highest channel:

5 MHz QPSK



LTE Band 2 Lowest channel

5 MHz 16-QAM



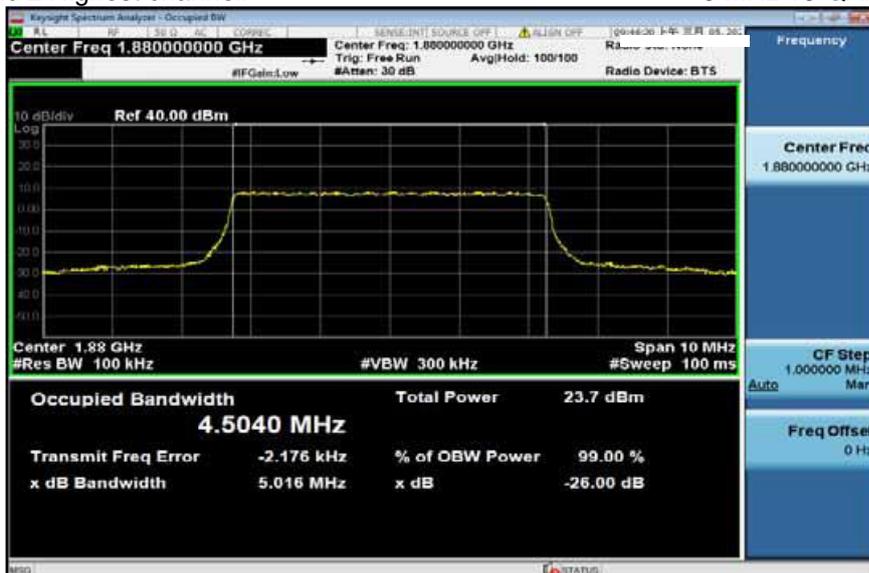
LTE Band 2 Middle channel

5 MHz 16-QAM



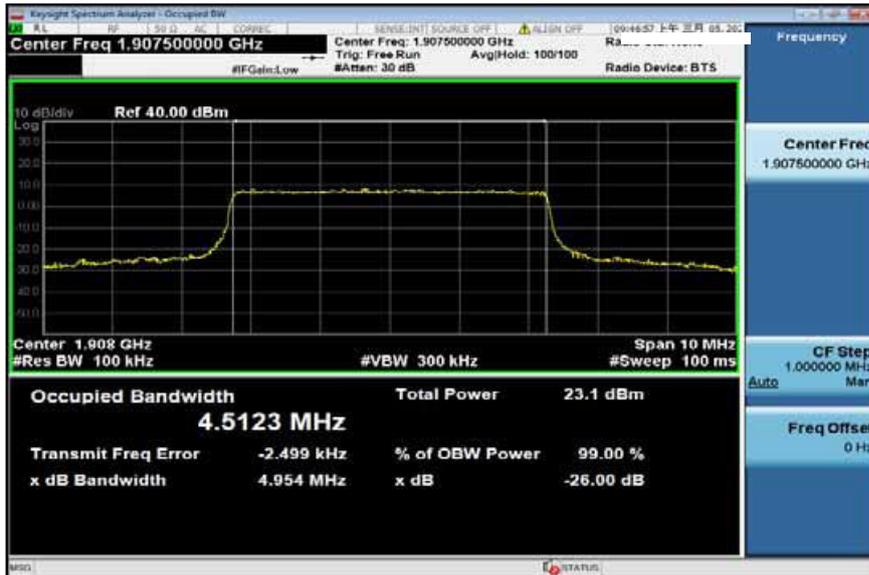
LTE Band 2 Highest channel:

5 MHz 16-QAM



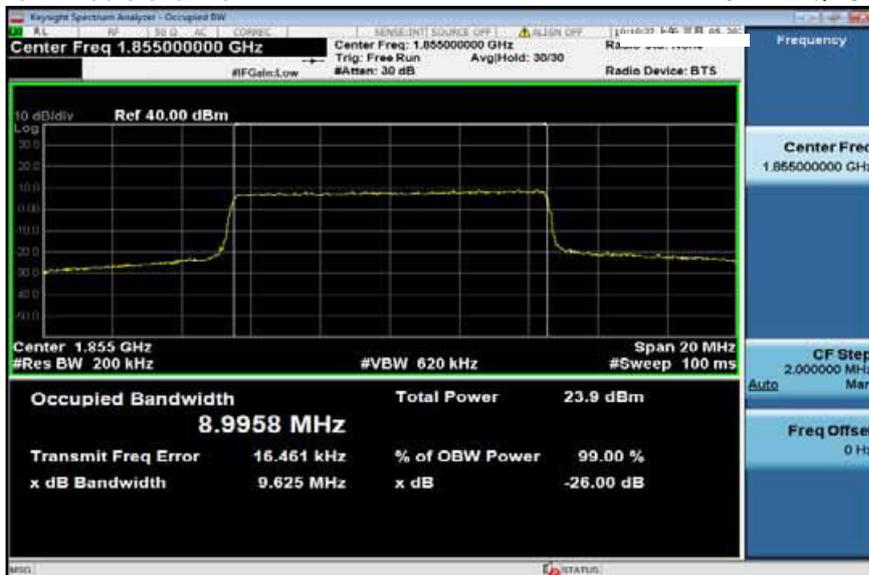
LTE Band 2 Lowest channel

10 MHz QPSK



LTE Band 2 Middle channel

10 MHz QPSK



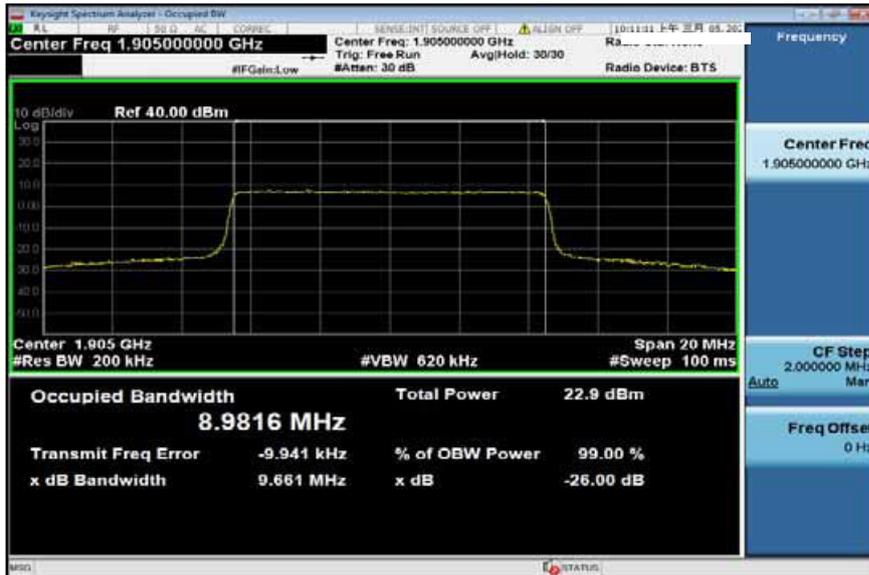
LTE Band 2 Highest channel:

10 MHz QPSK



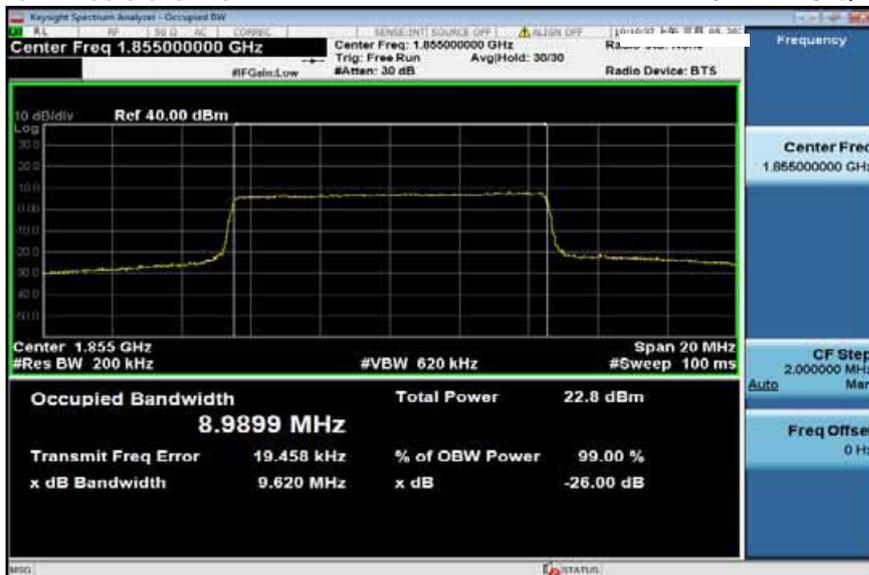
LTE Band 2 Lowest channel

10 MHz 16-QAM



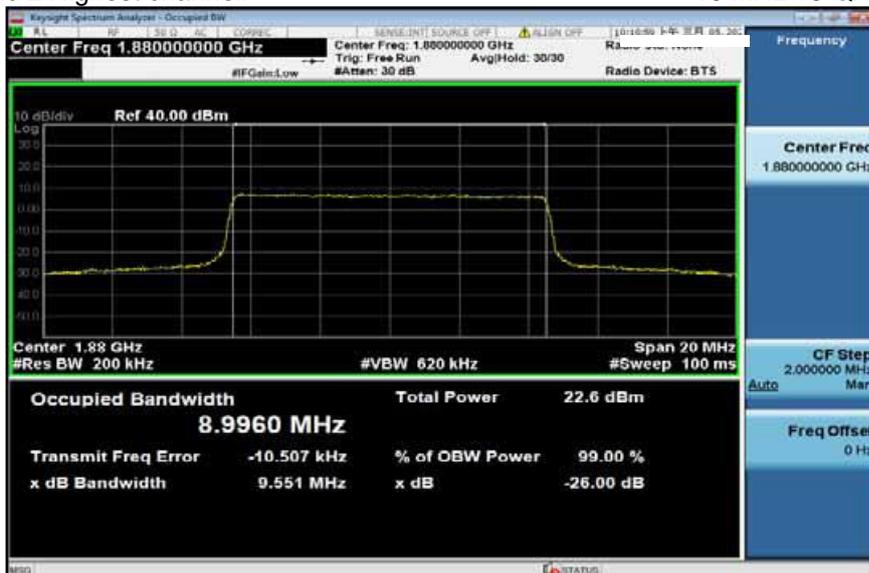
LTE Band 2 Middle channel

10 MHz 16-QAM



LTE Band 2 Highest channel:

10 MHz 16-QAM



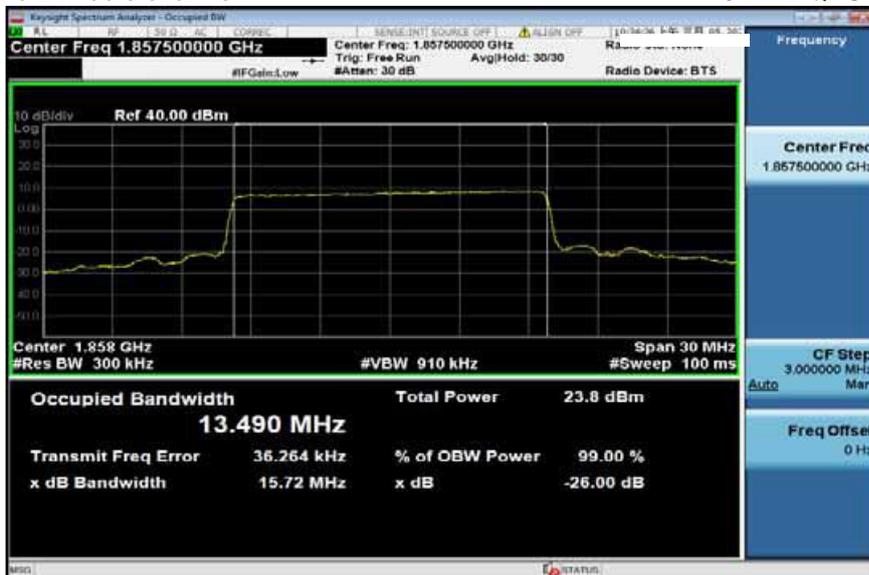
LTE Band 2 Lowest channel

15 MHz QPSK



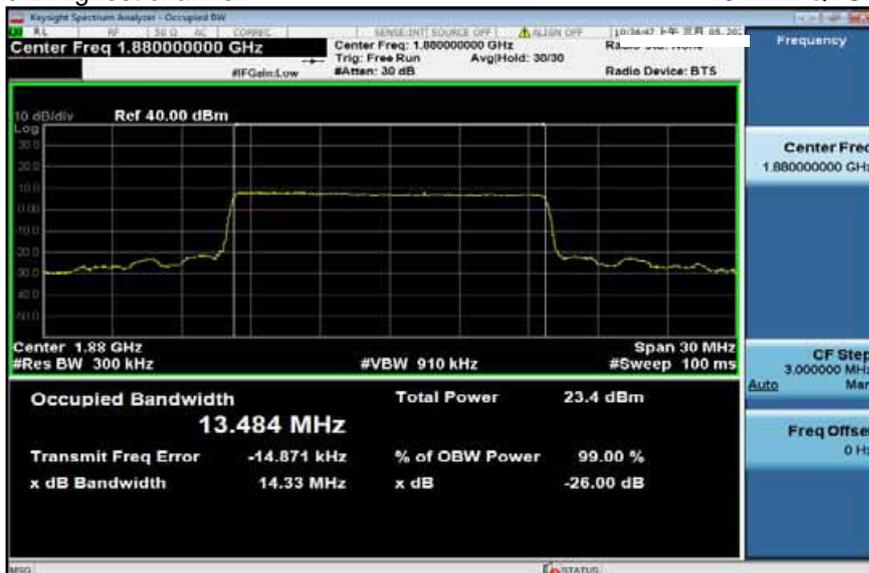
LTE Band 2 Middle channel

15 MHz QPSK



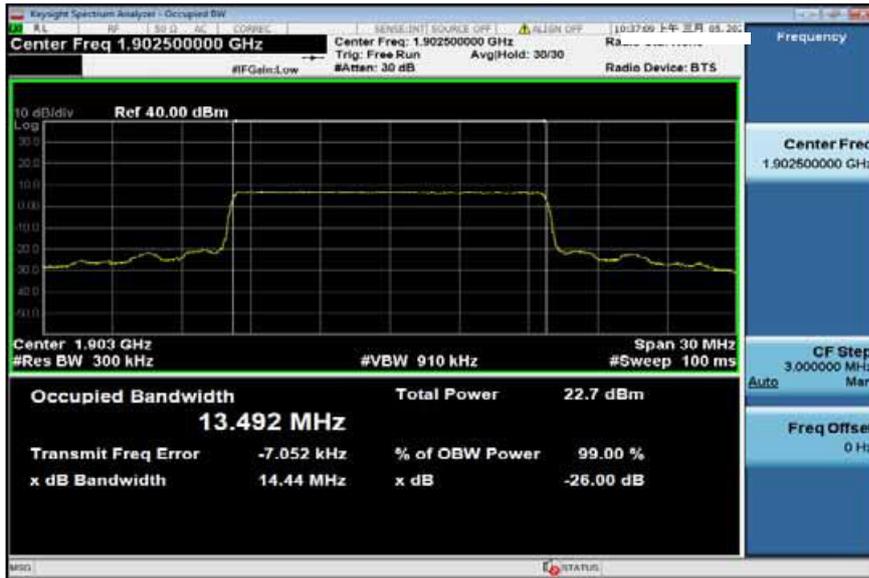
LTE Band 2 Highest channel:

15 MHz QPSK



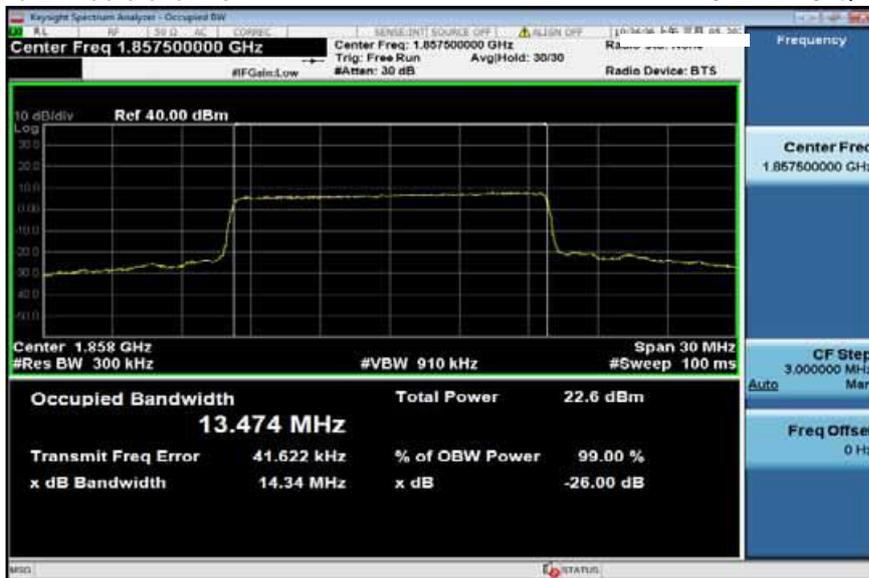
LTE Band 2 Lowest channel

15 MHz 16-QAM



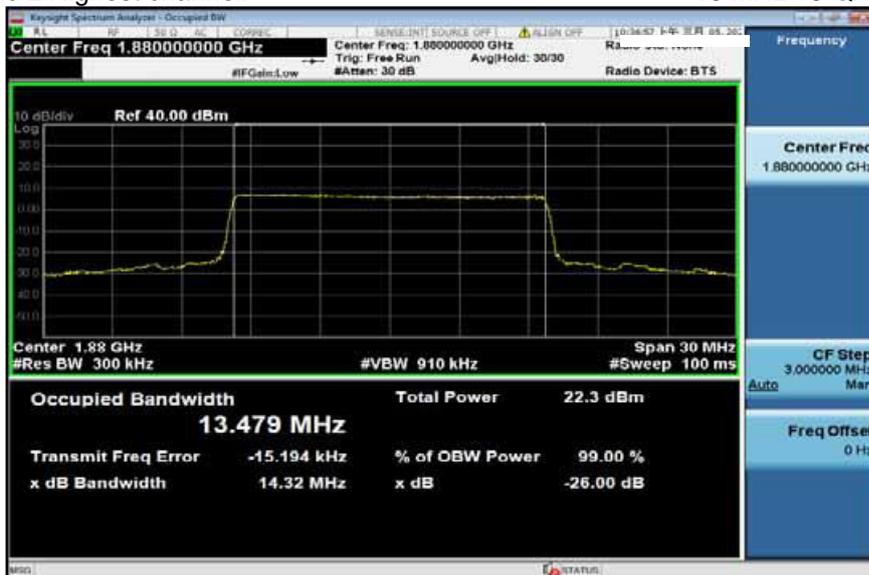
LTE Band 2 Middle channel

15 MHz 16-QAM



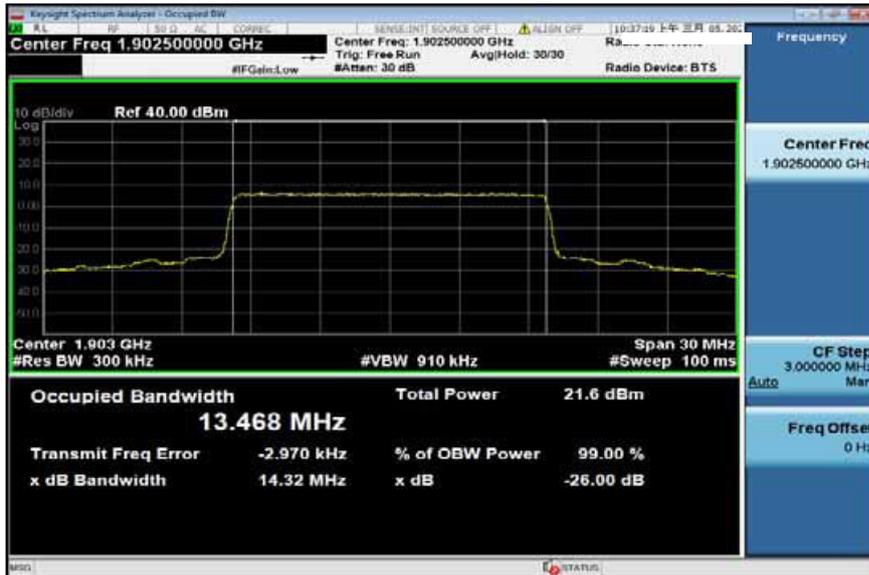
LTE Band 2 Highest channel:

15 MHz 16-QAM



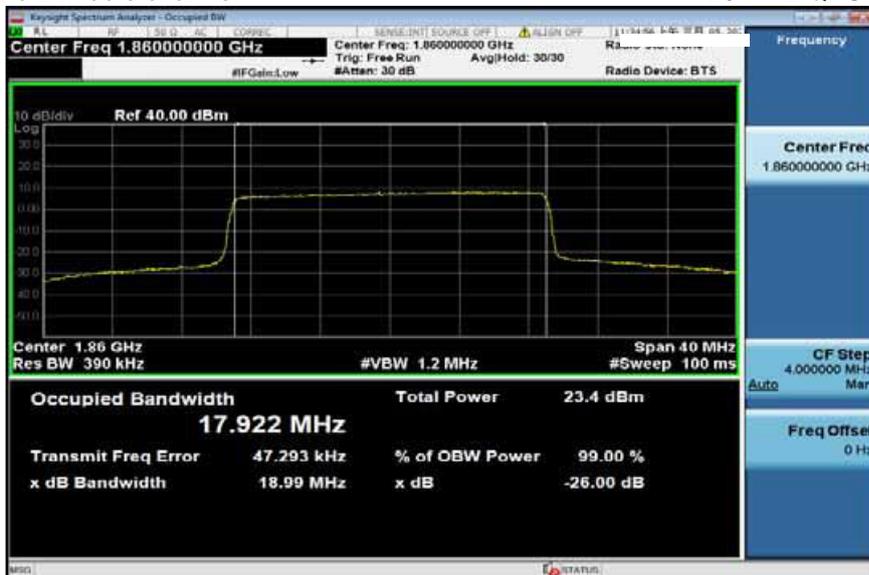
LTE Band 2 Lowest channel

20 MHz QPSK



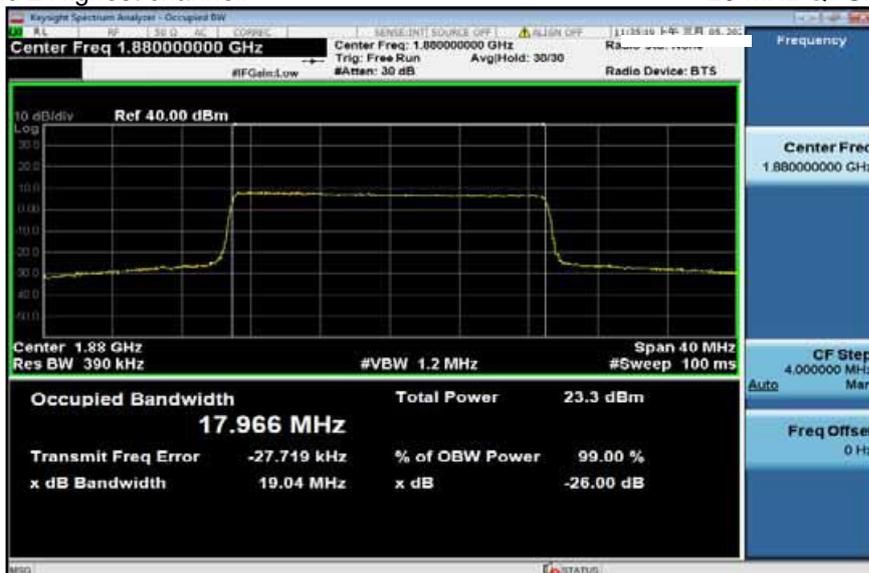
LTE Band 2 Middle channel

20 MHz QPSK



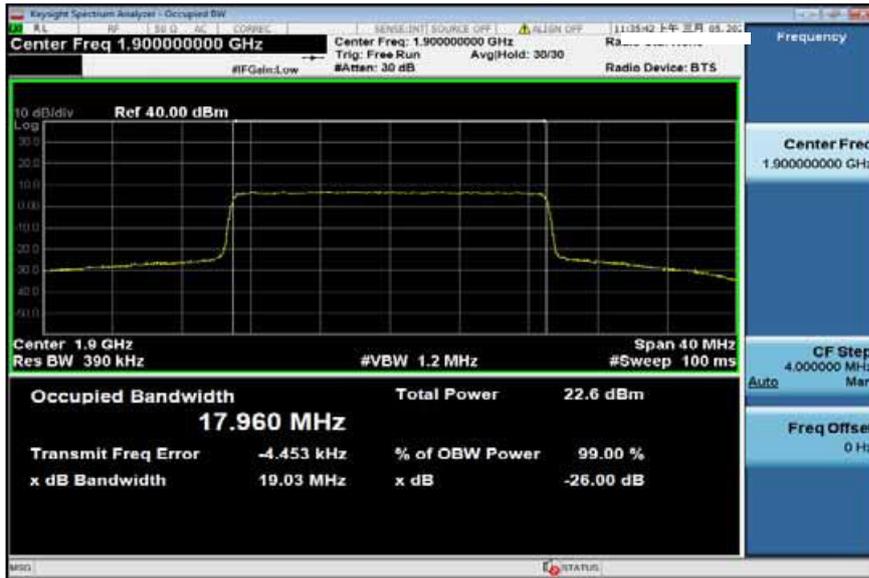
LTE Band 2 Highest channel:

20 MHz QPSK



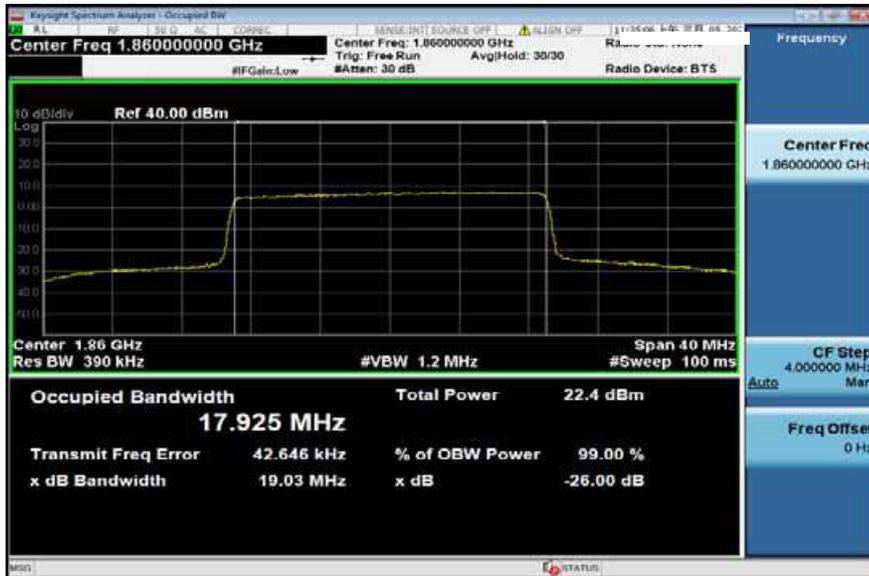
LTE Band 2 Lowest channel

20 MHz 16-QAM



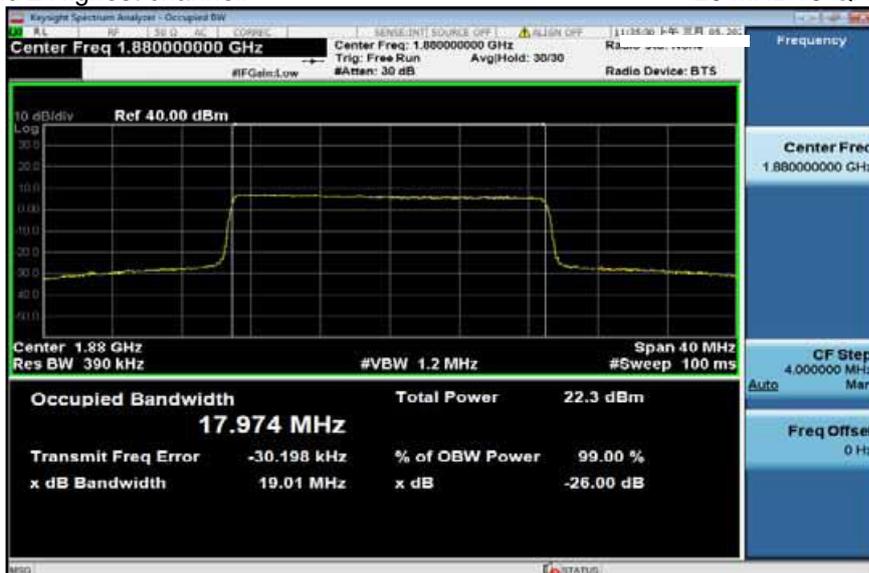
LTE Band 2 Middle channel

20 MHz 16-QAM



LTE Band 2 Highest channel:

20 MHz 16-QAM



## 1.2. Conducted Spurious Emissions

### 1.2.1. Test Result

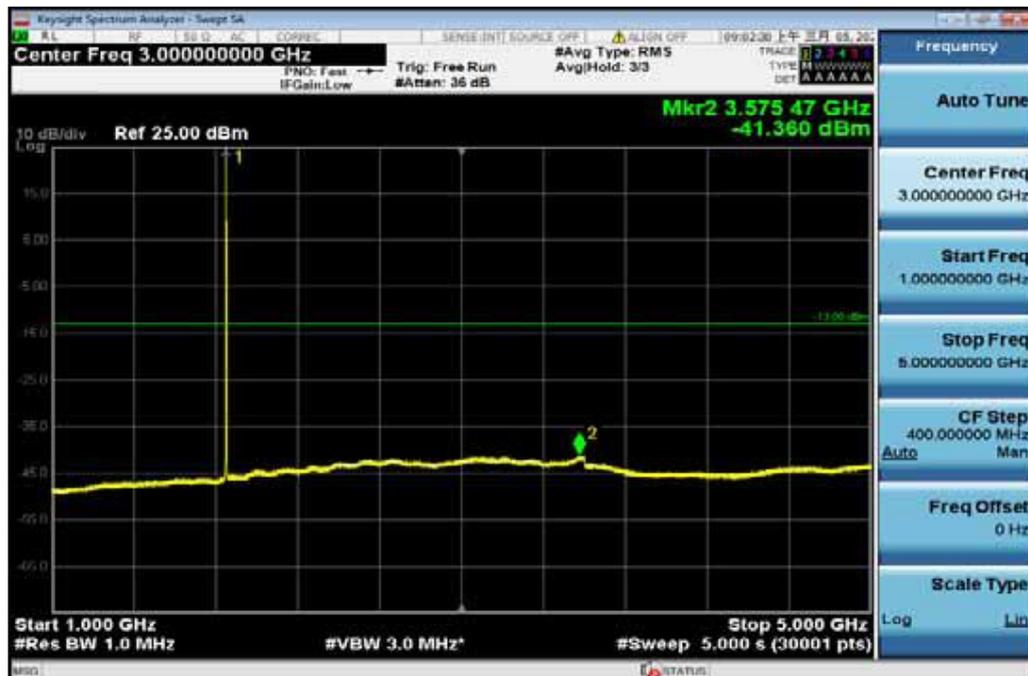
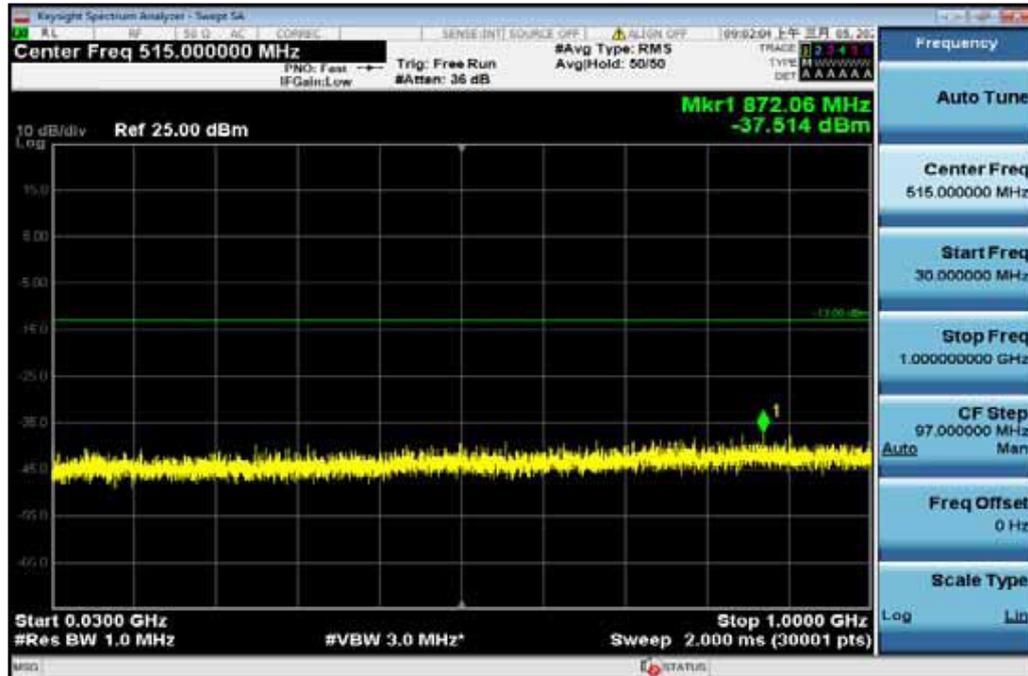
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

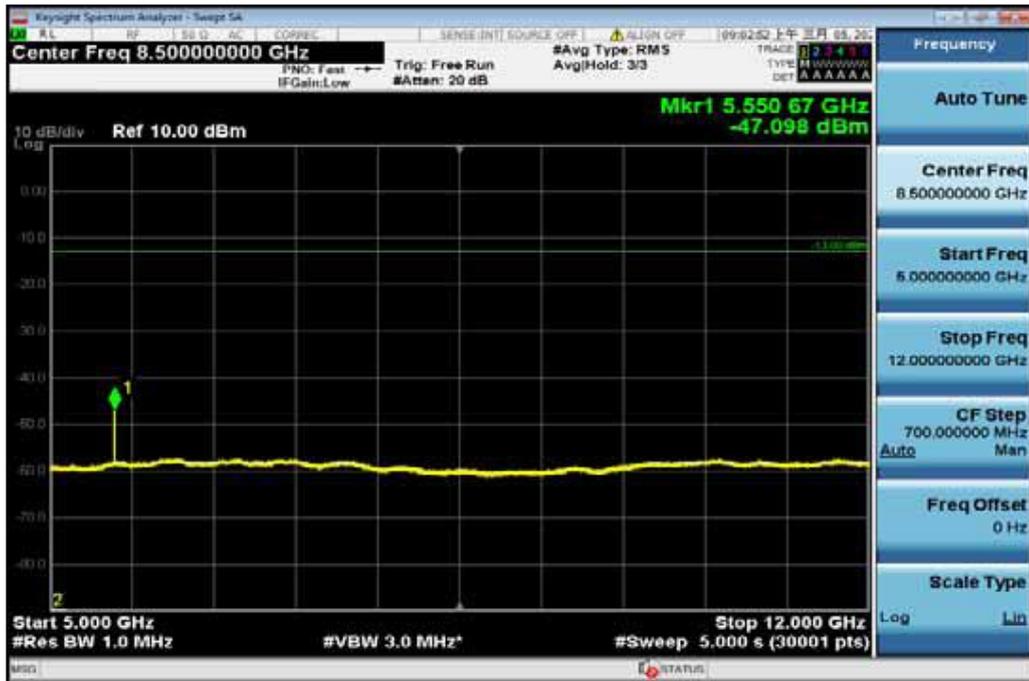
For LTE mode, the plot only show the QPSK,RB100's data.

Pass, the table and plot please see annex.

LTE Band 2 Lowest channel

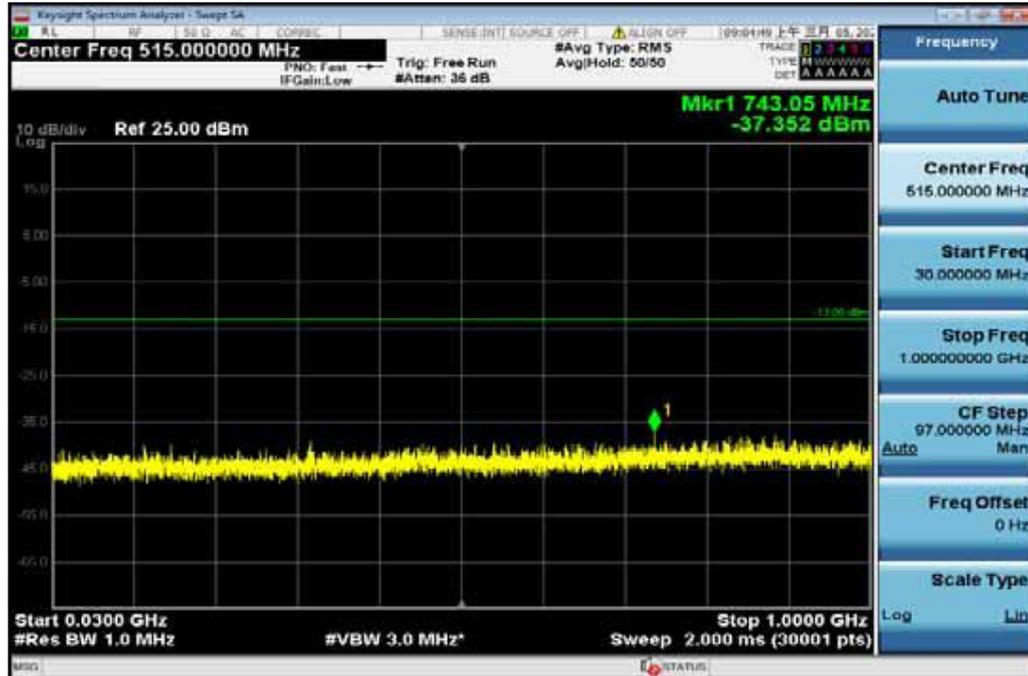
1.4MHz

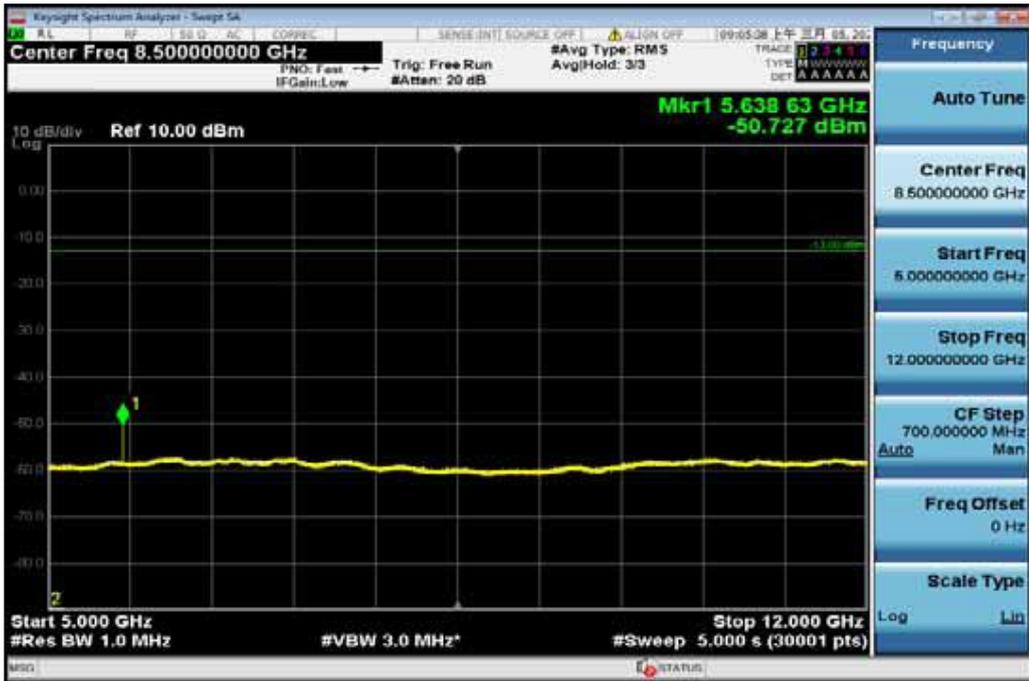




LTE Band 2 middle channel

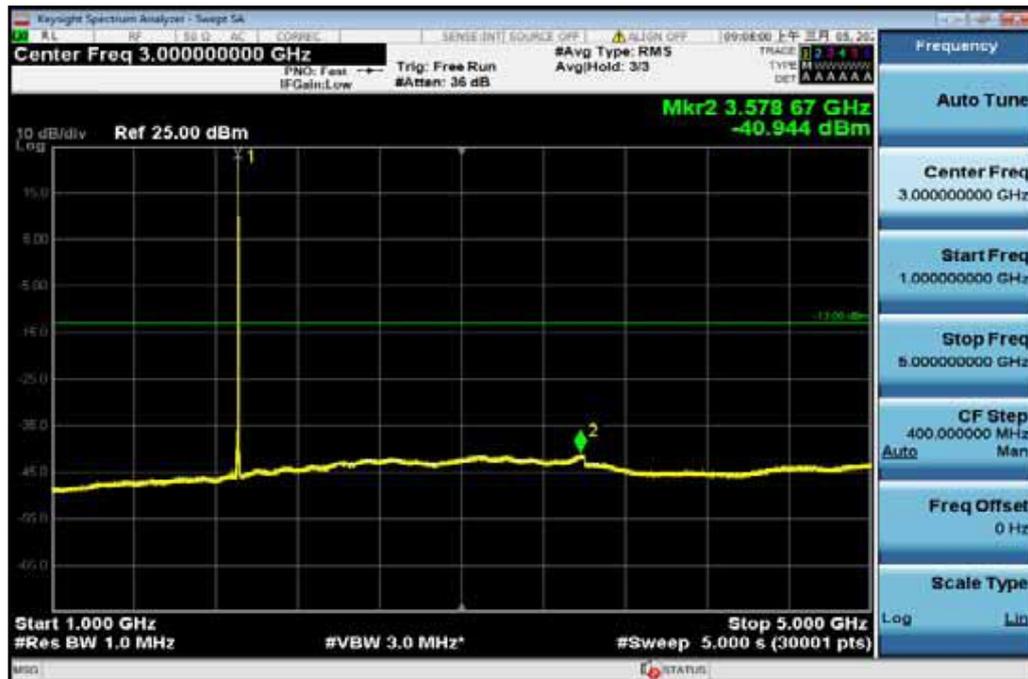
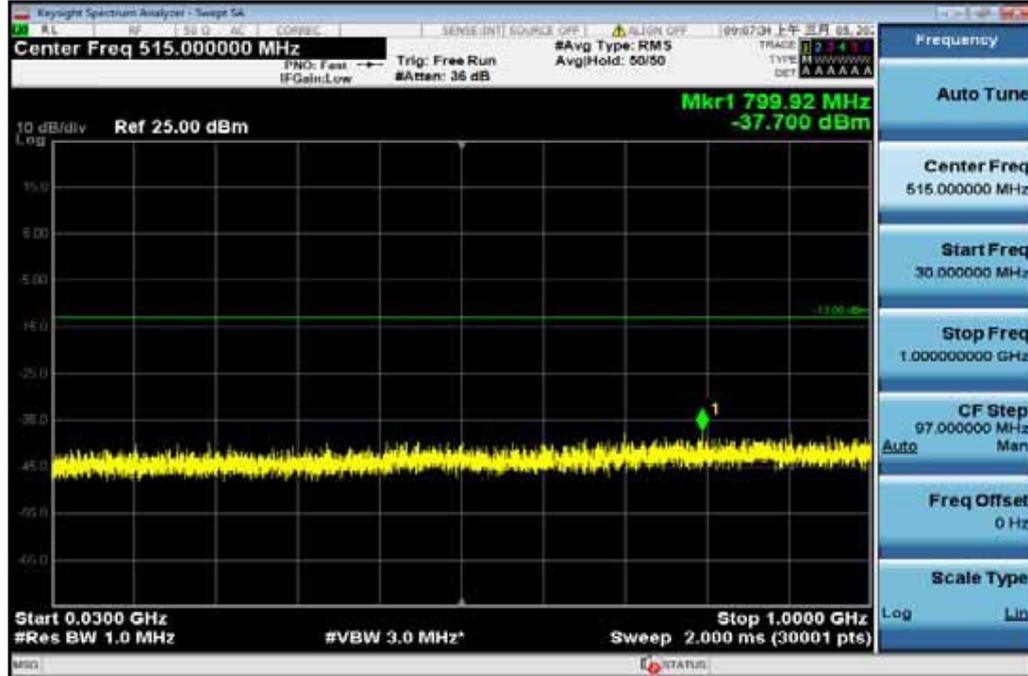
1.4MHz

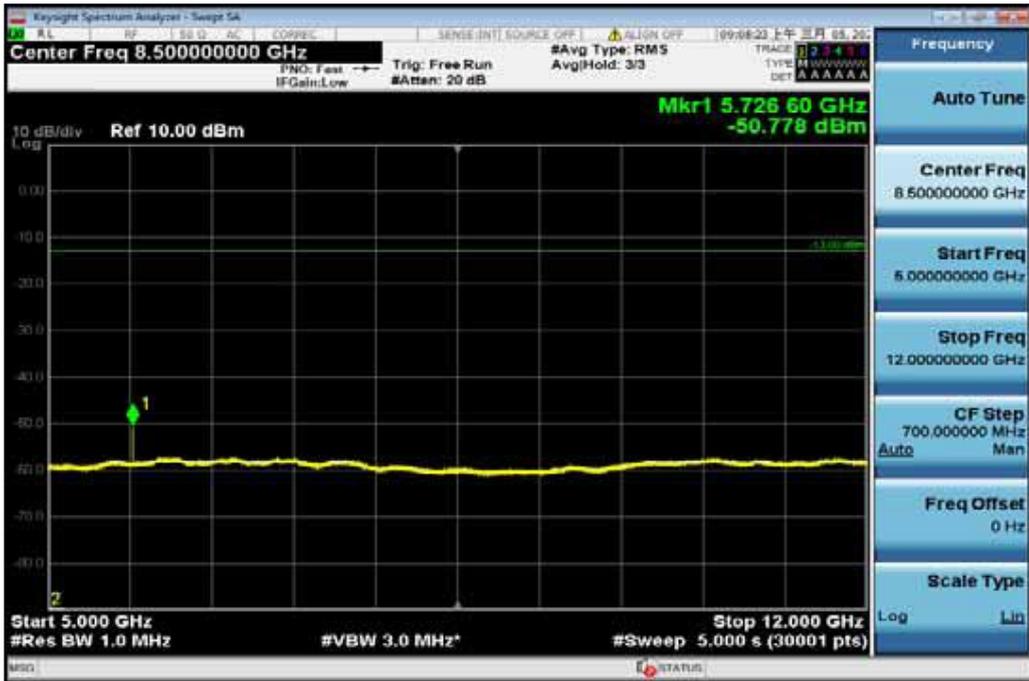




LTE Band 2 high channel

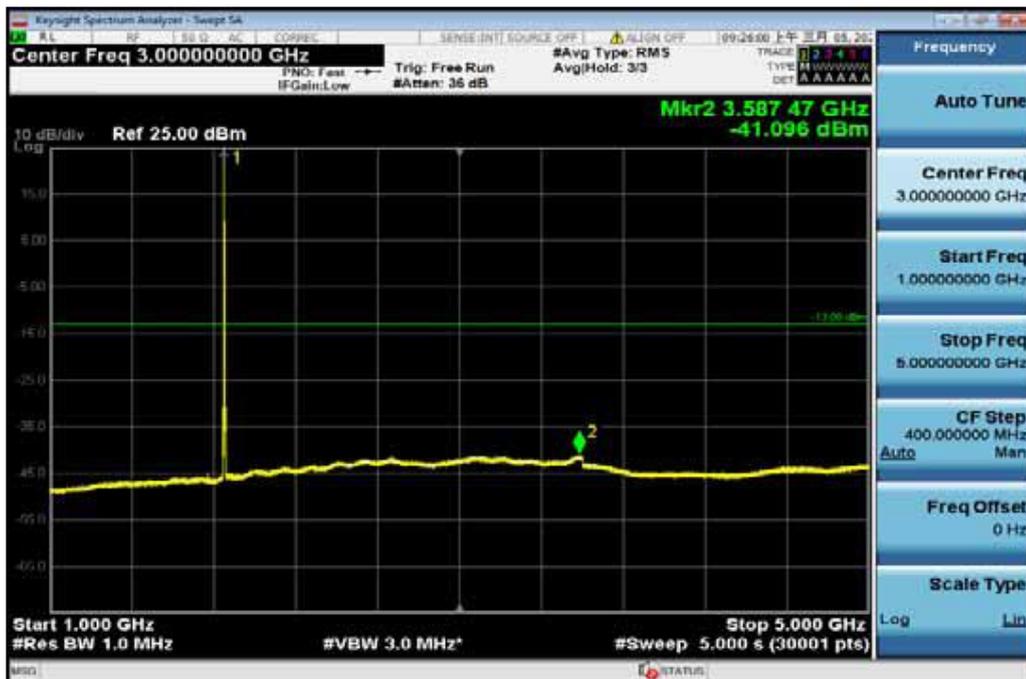
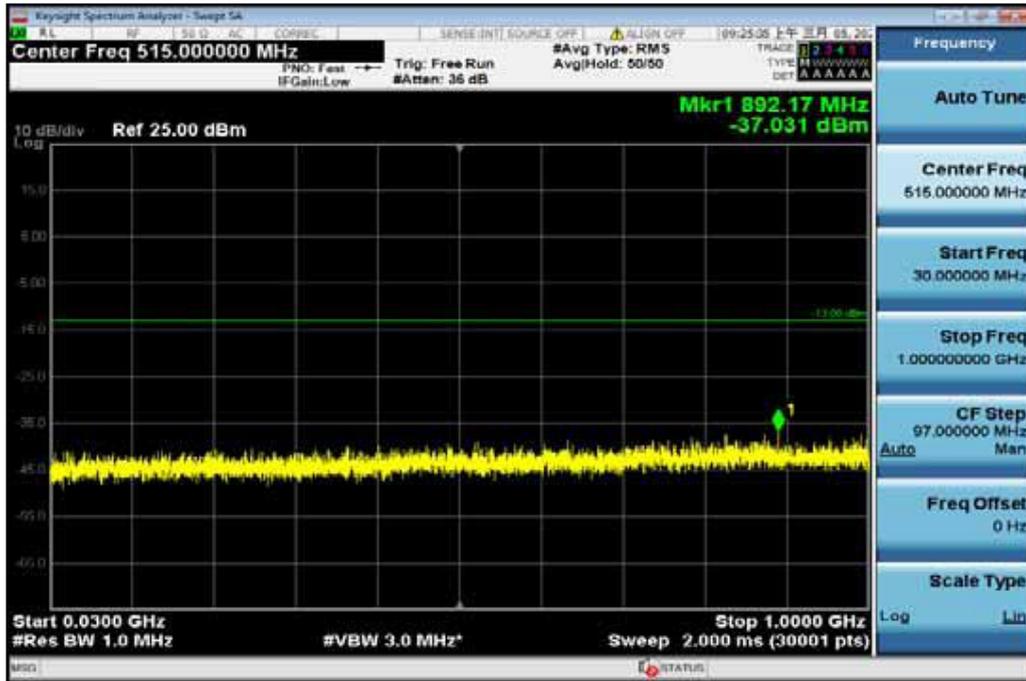
1.4MHz





LTE Band 2 Lowest channel

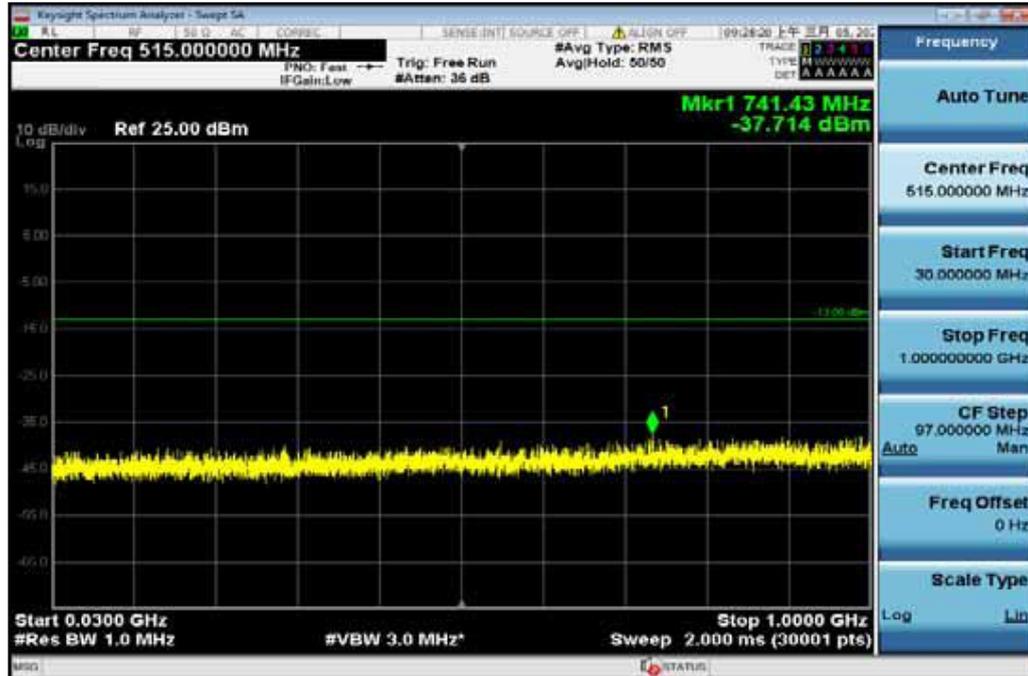
3MHz

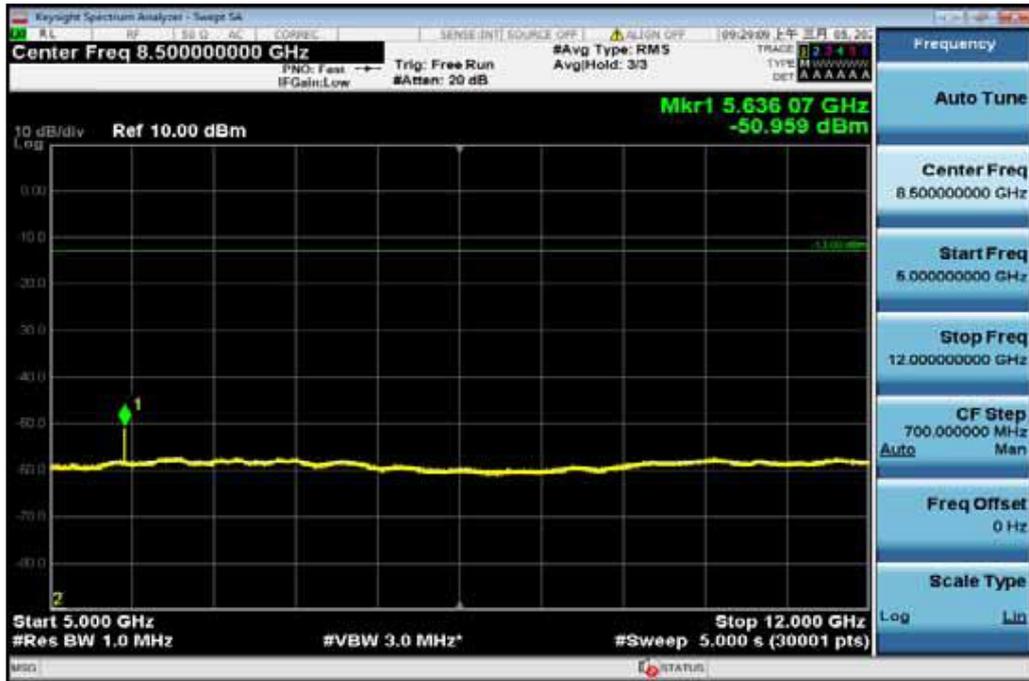




LTE Band 2 middle channel

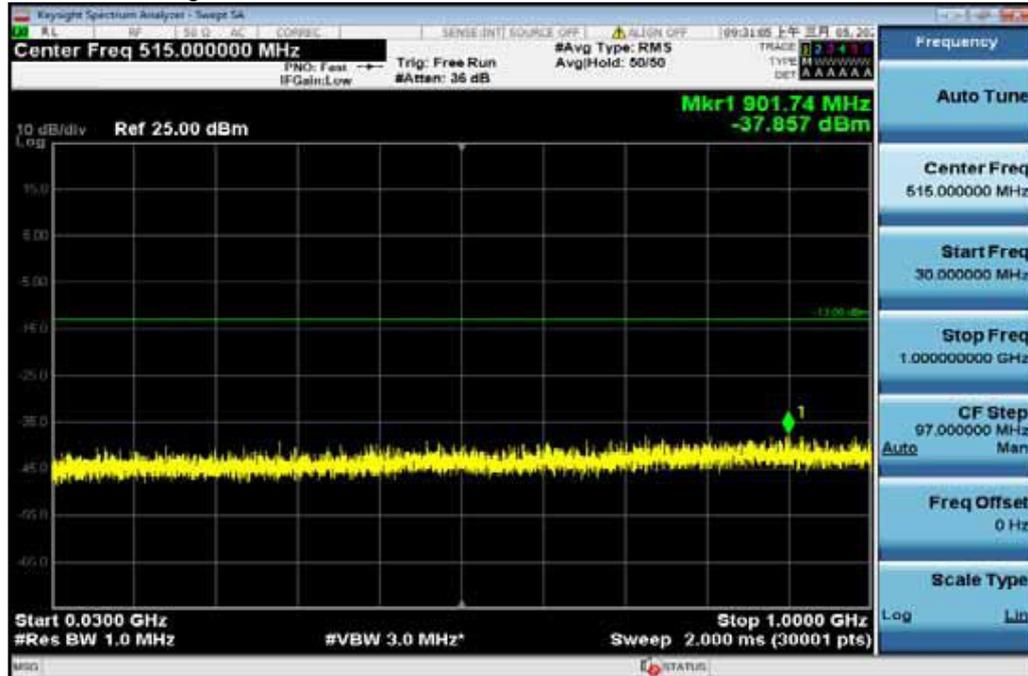
3MHz

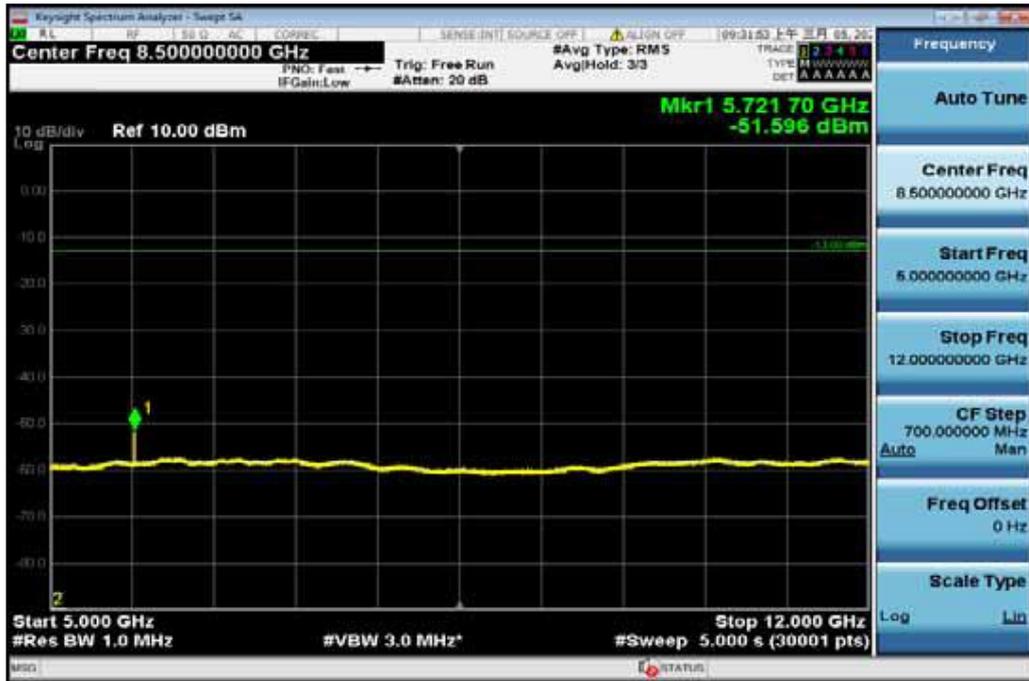




LTE Band 2 high channel

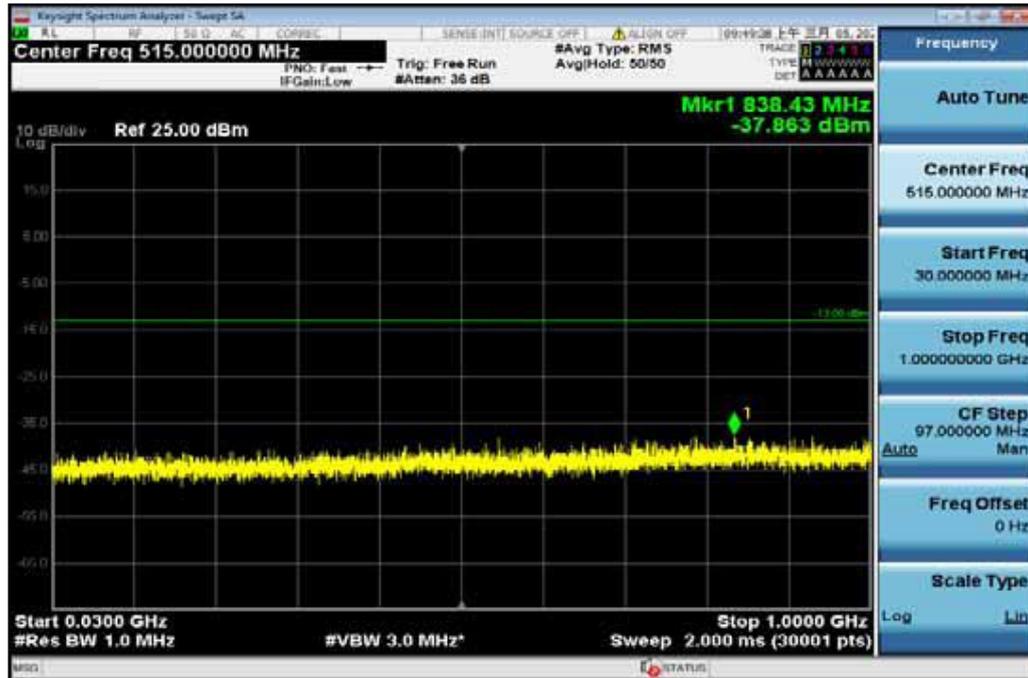
3MHz

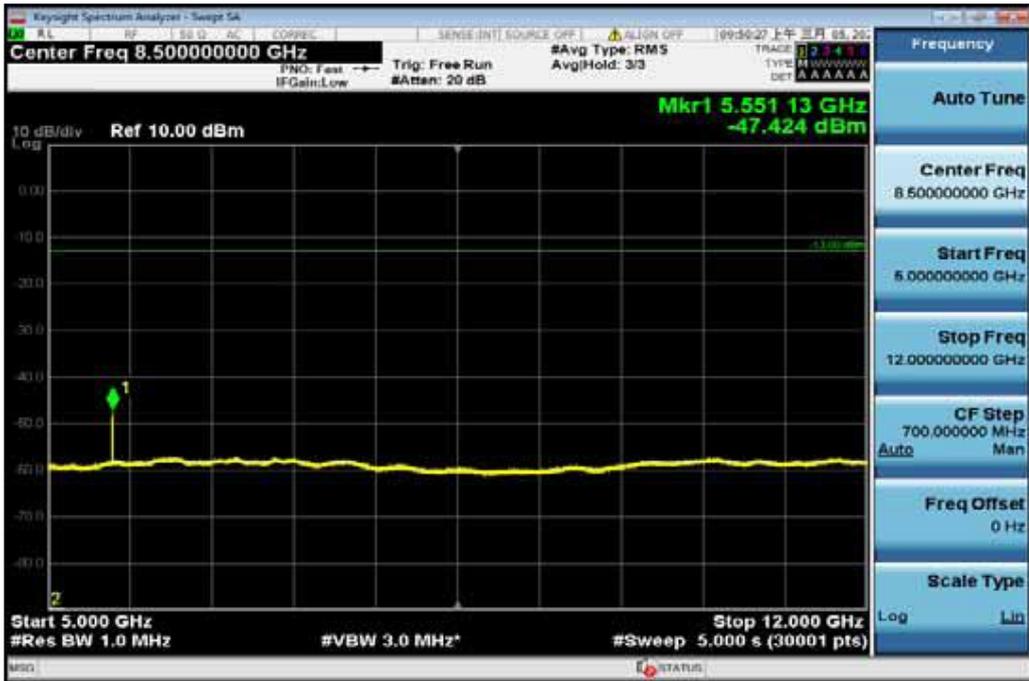




LTE Band 2 Lowest channel

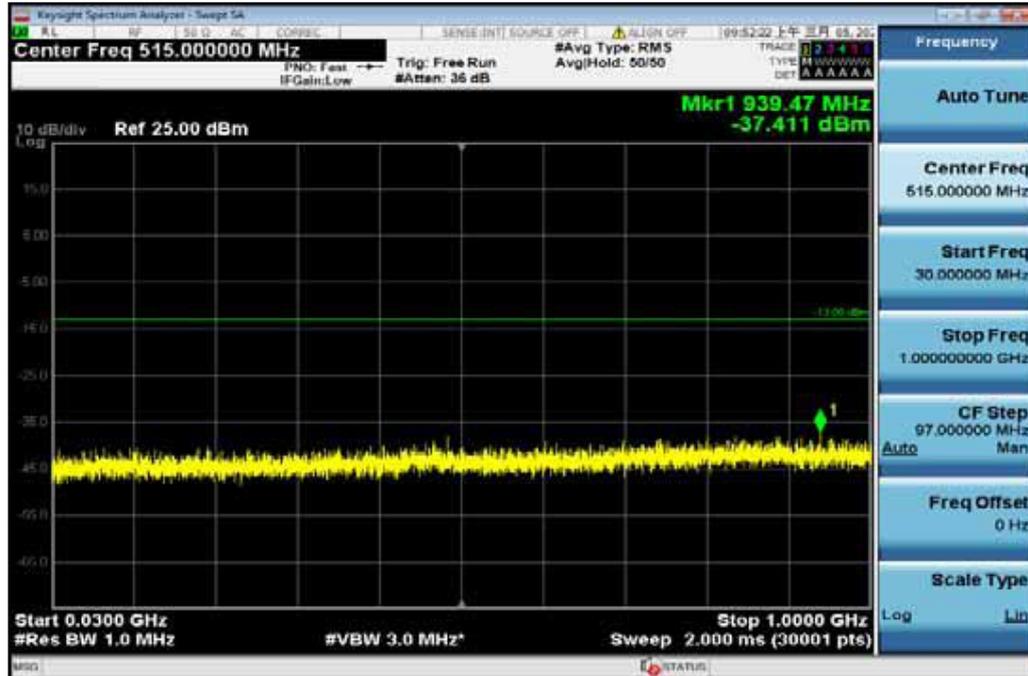
5MHz

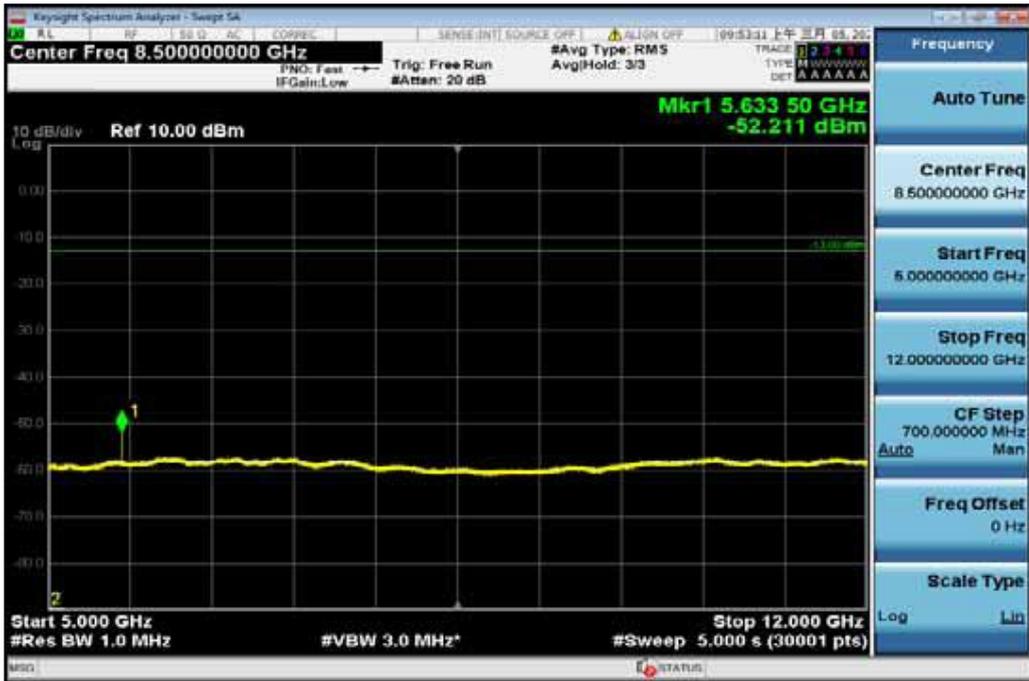




LTE Band 2 middle channel

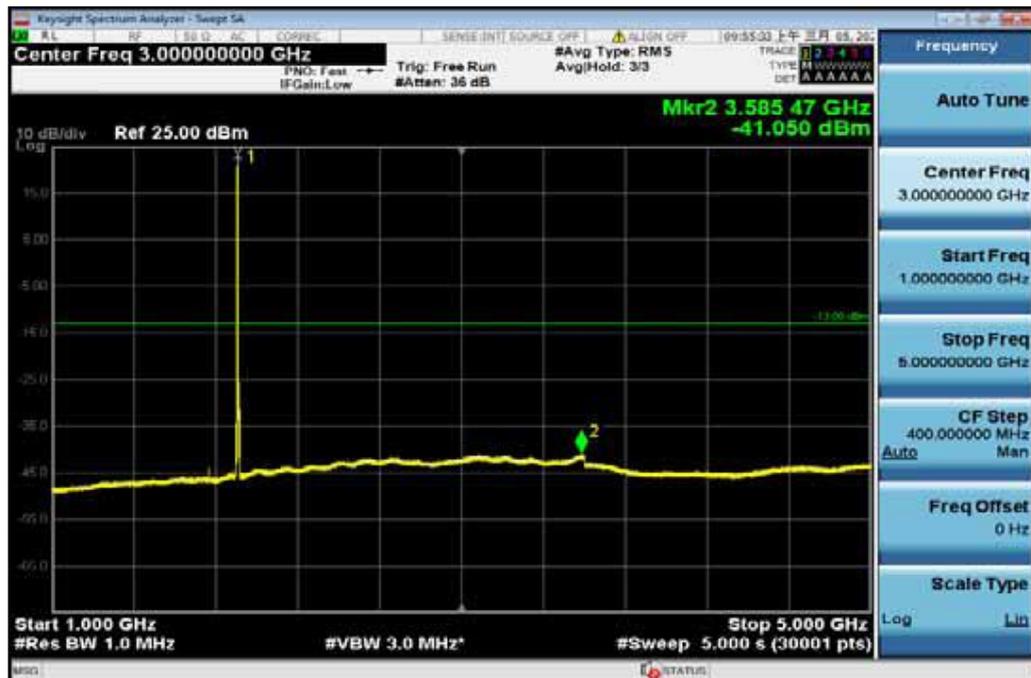
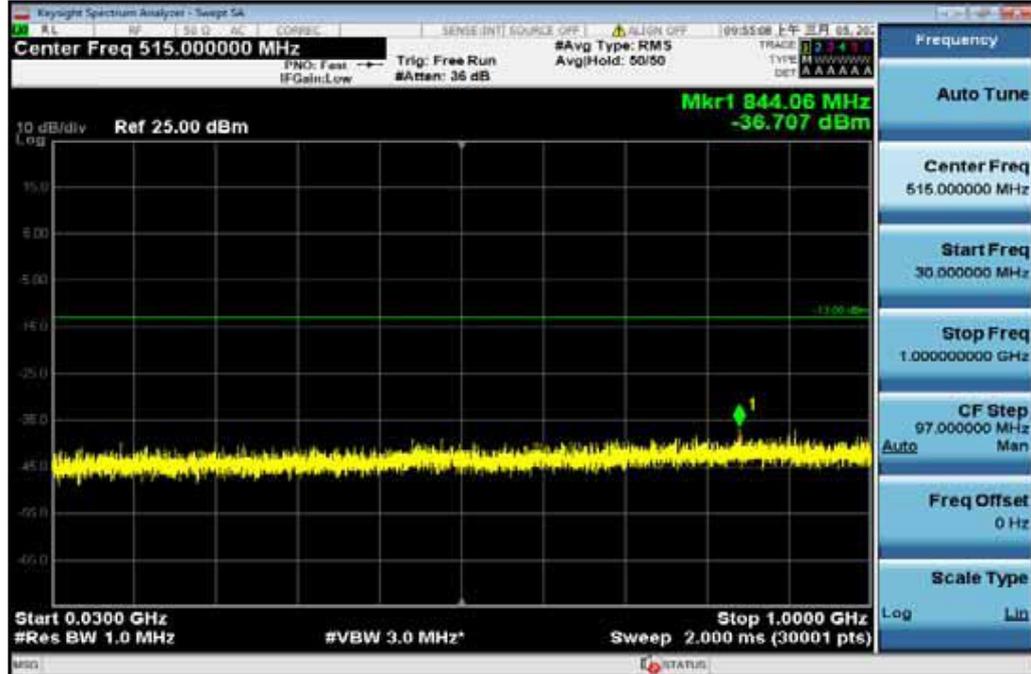
5MHz

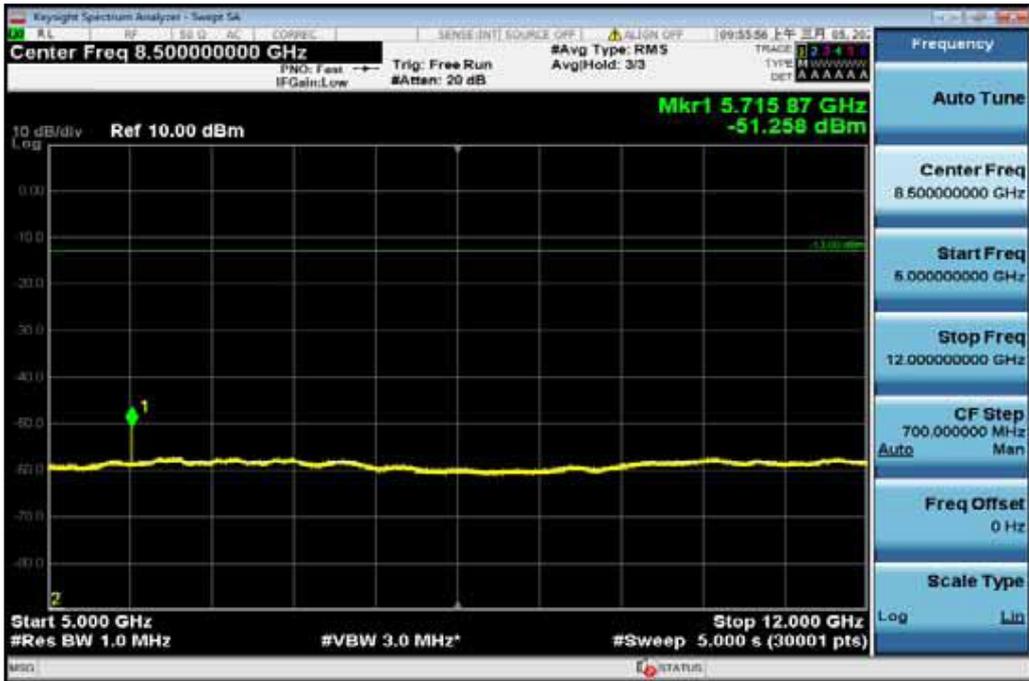




LTE Band 2 high channel

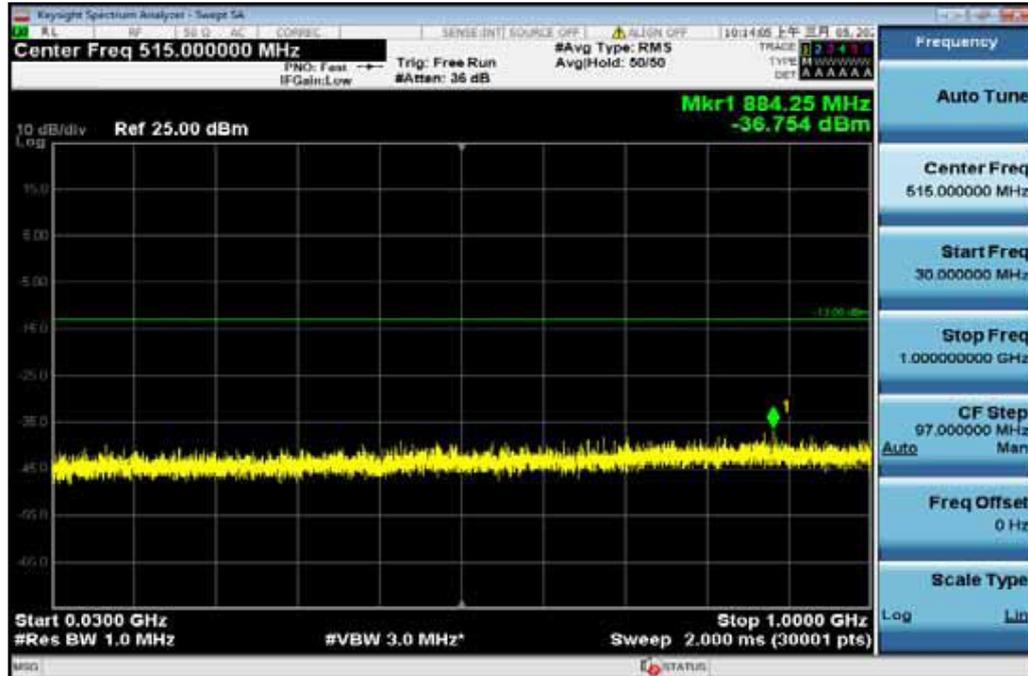
5MHz

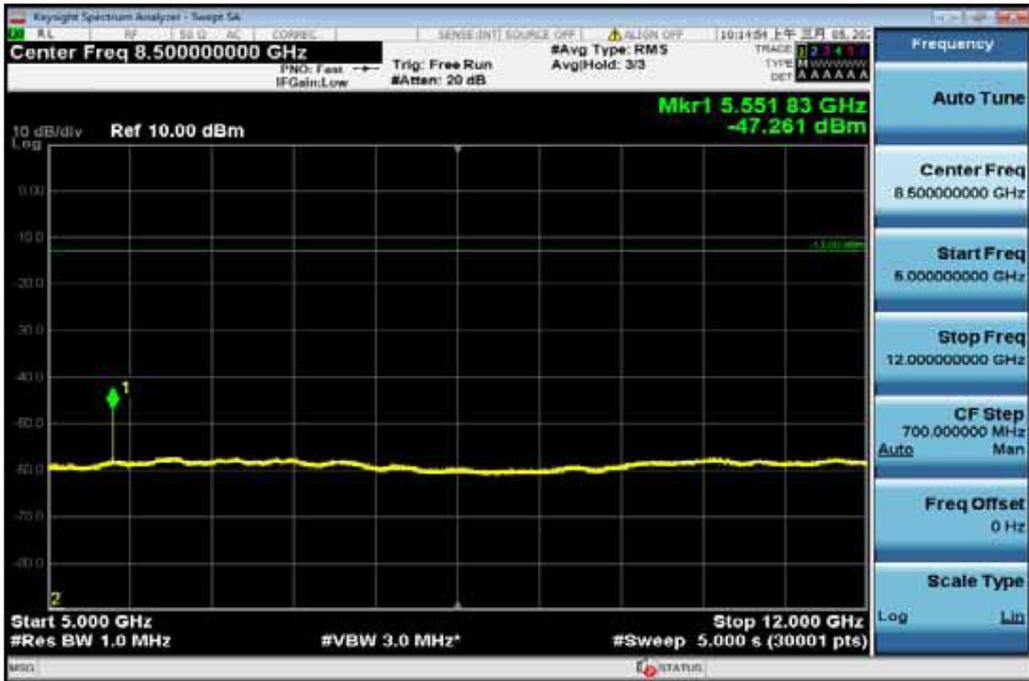




LTE Band 2 Lowest channel

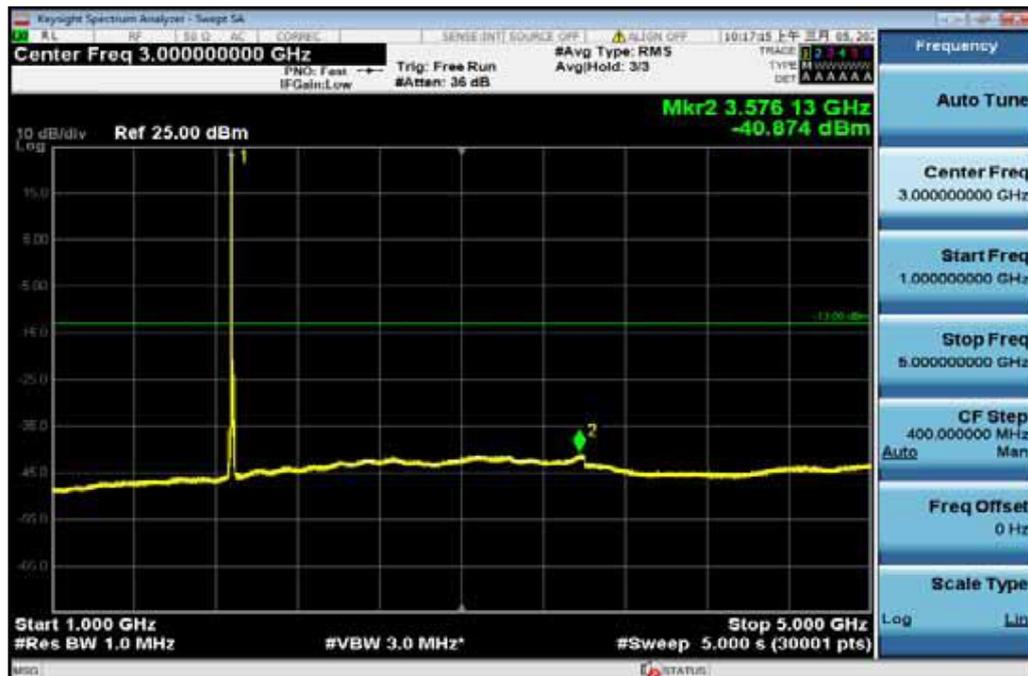
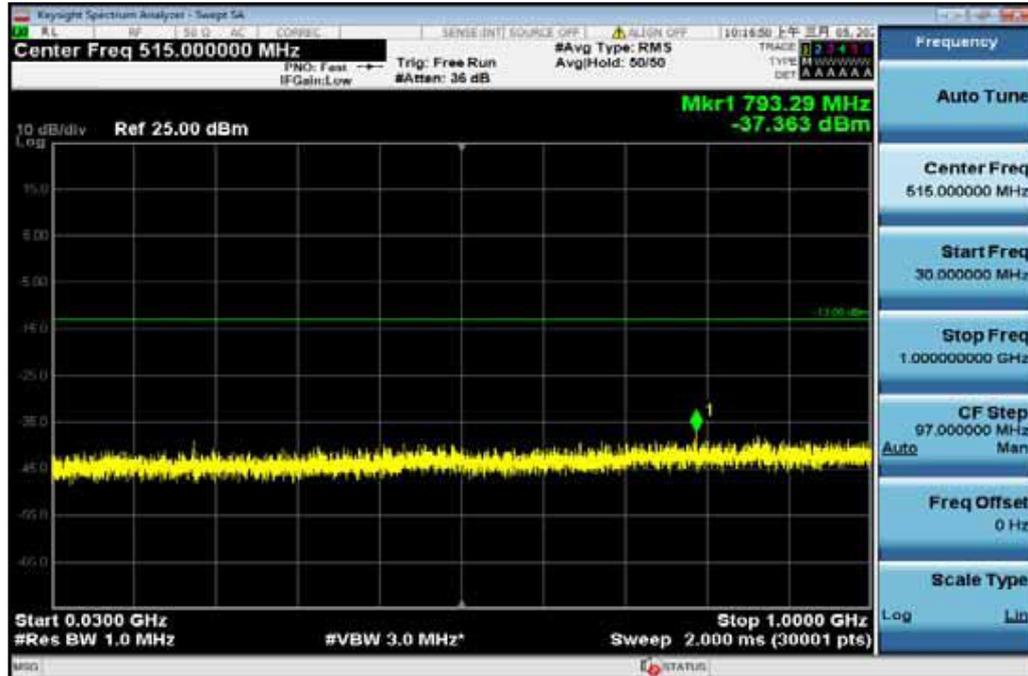
10MHz

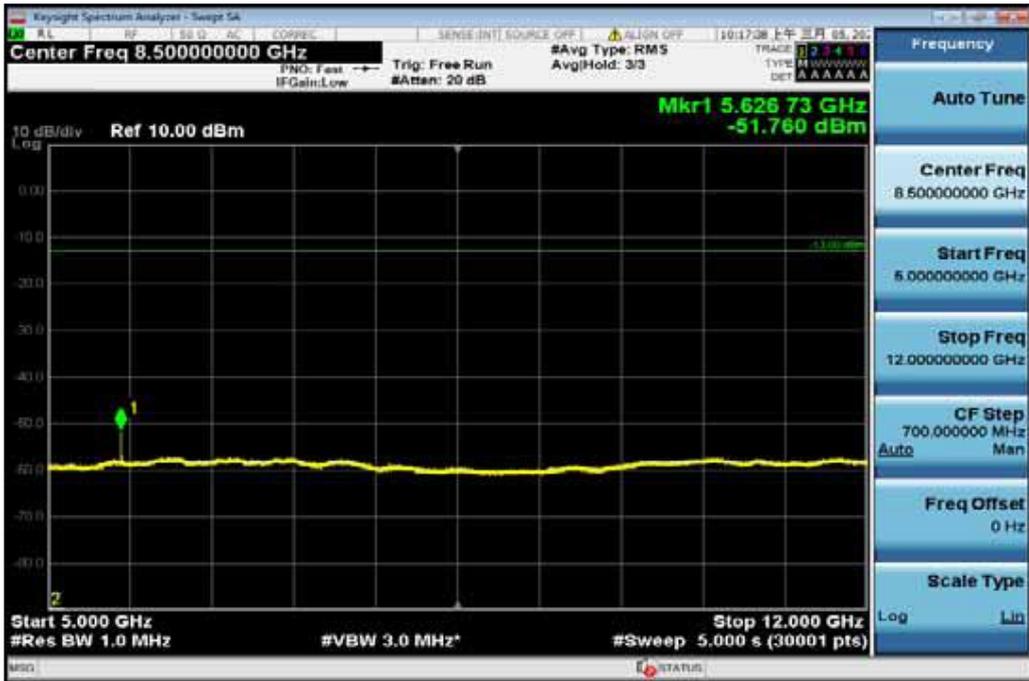




LTE Band 2 middle channel

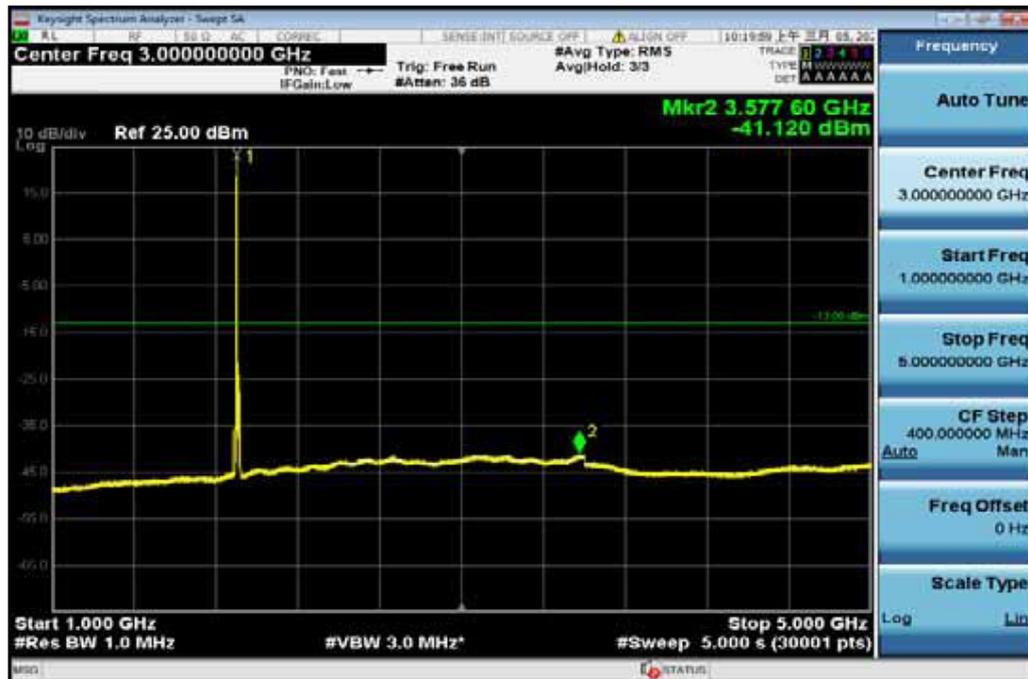
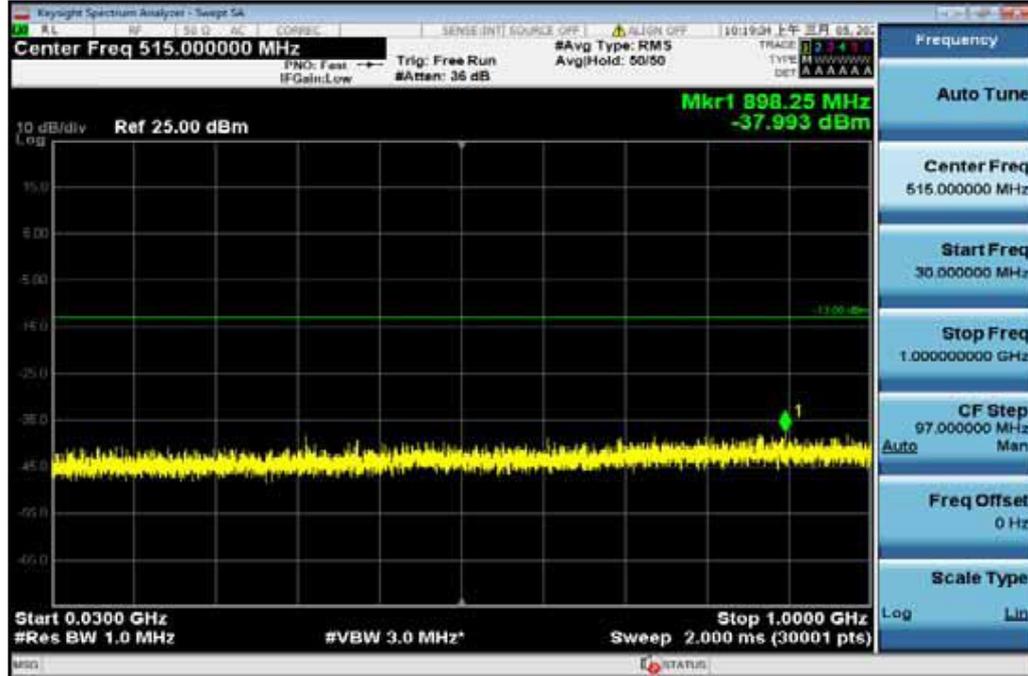
10MHz

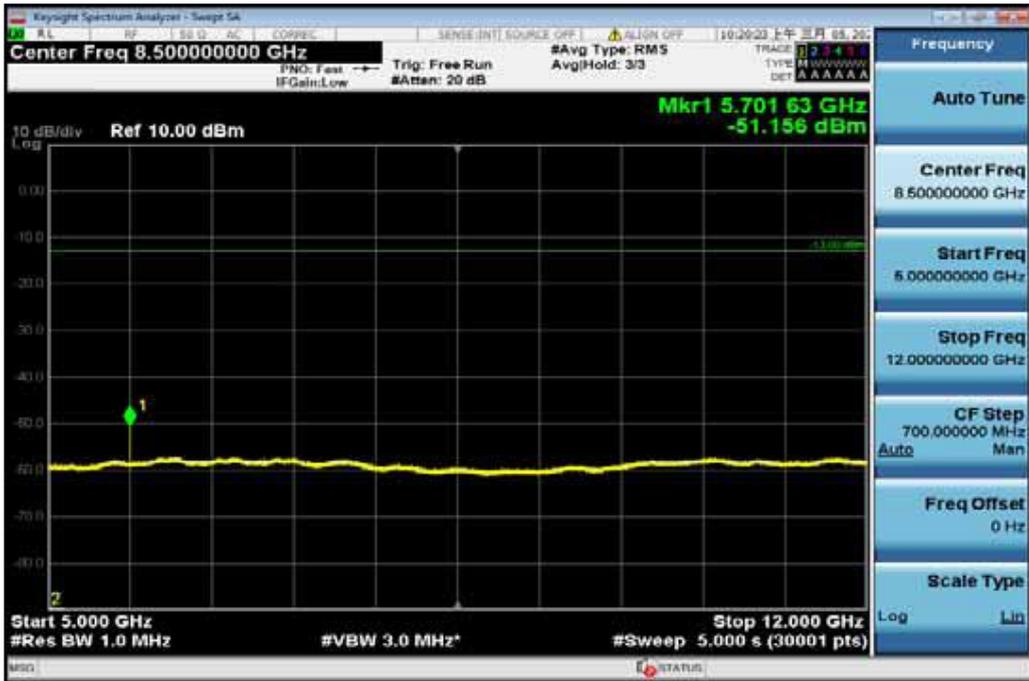




LTE Band 2 high channel

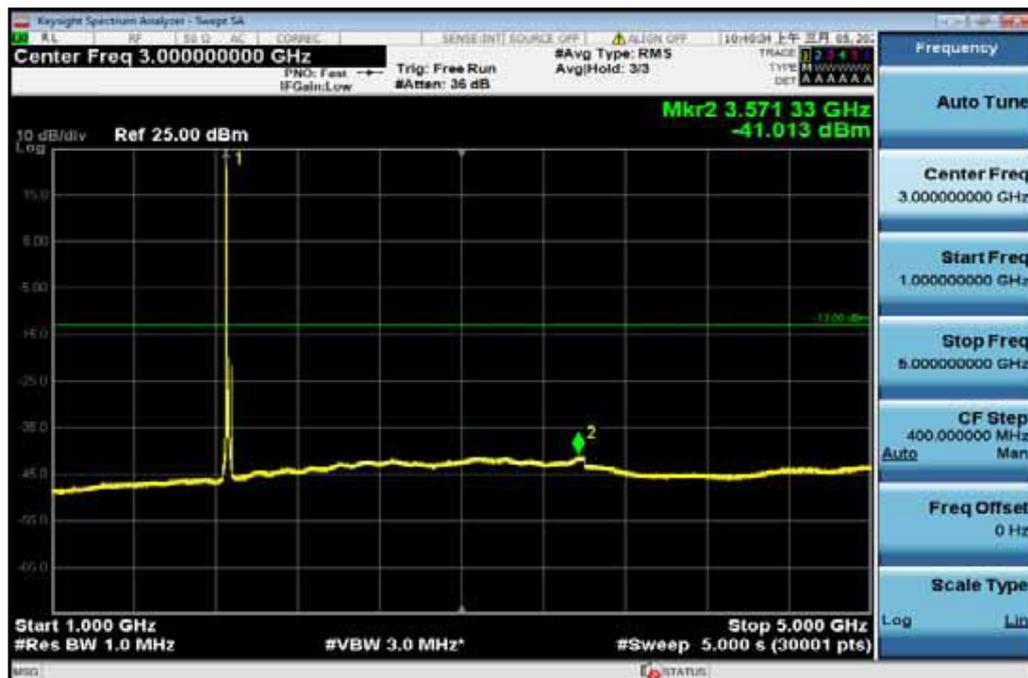
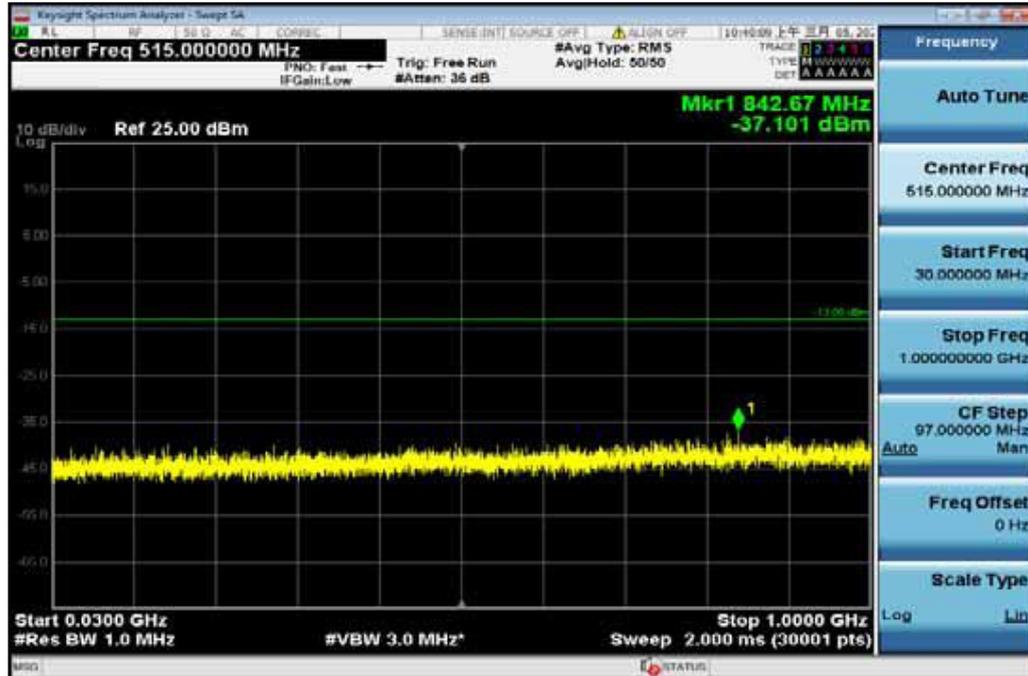
10MHz

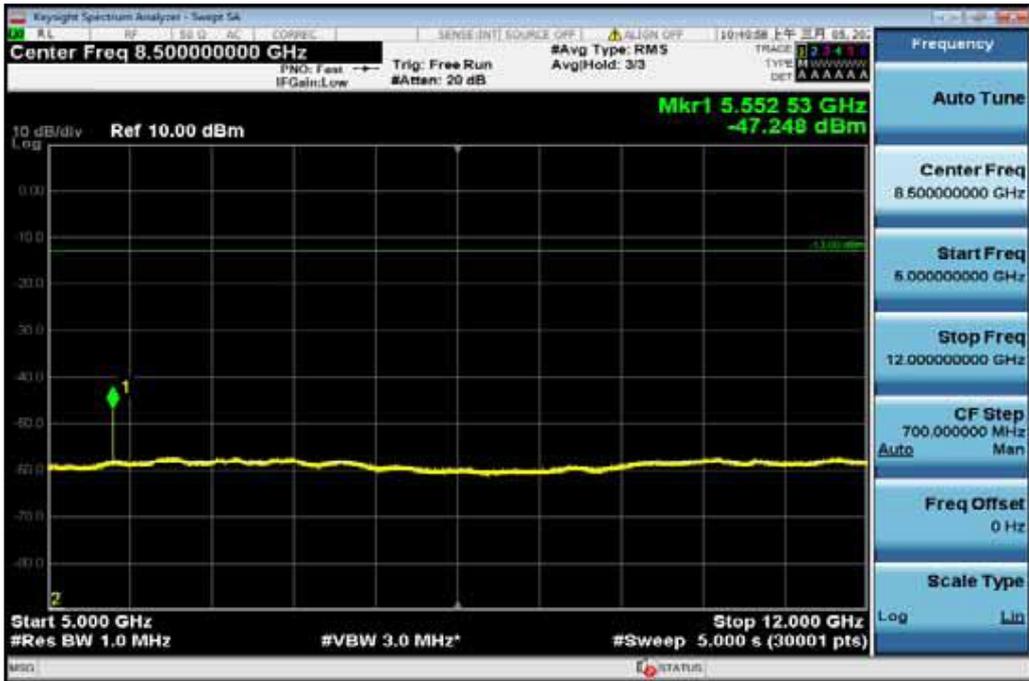




LTE Band 2 Lowest channel

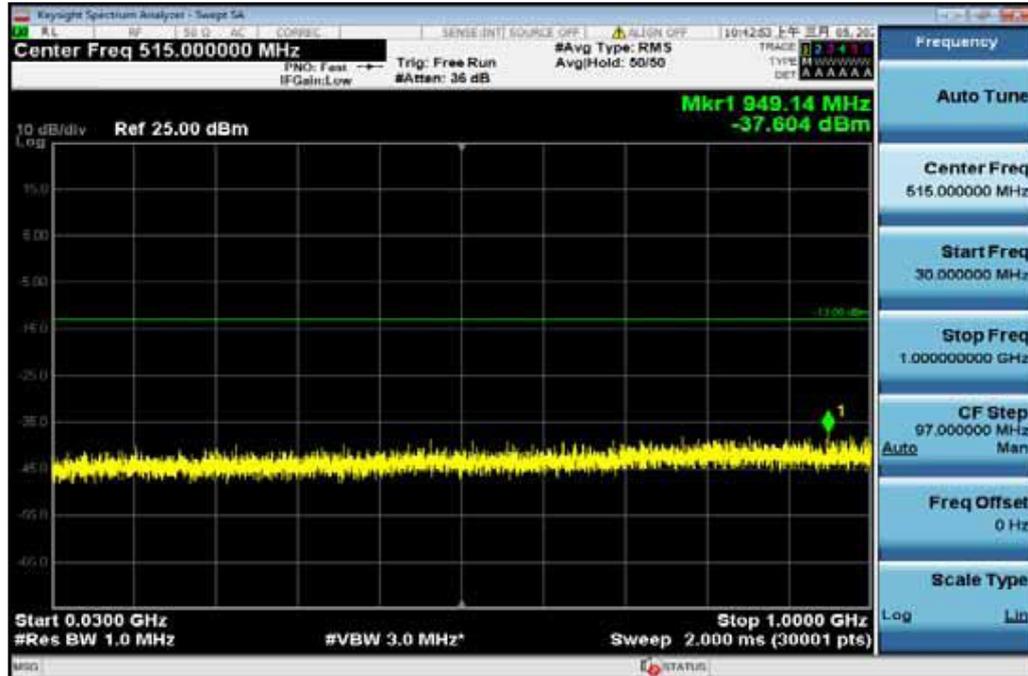
15MHz





LTE Band 2 middle channel

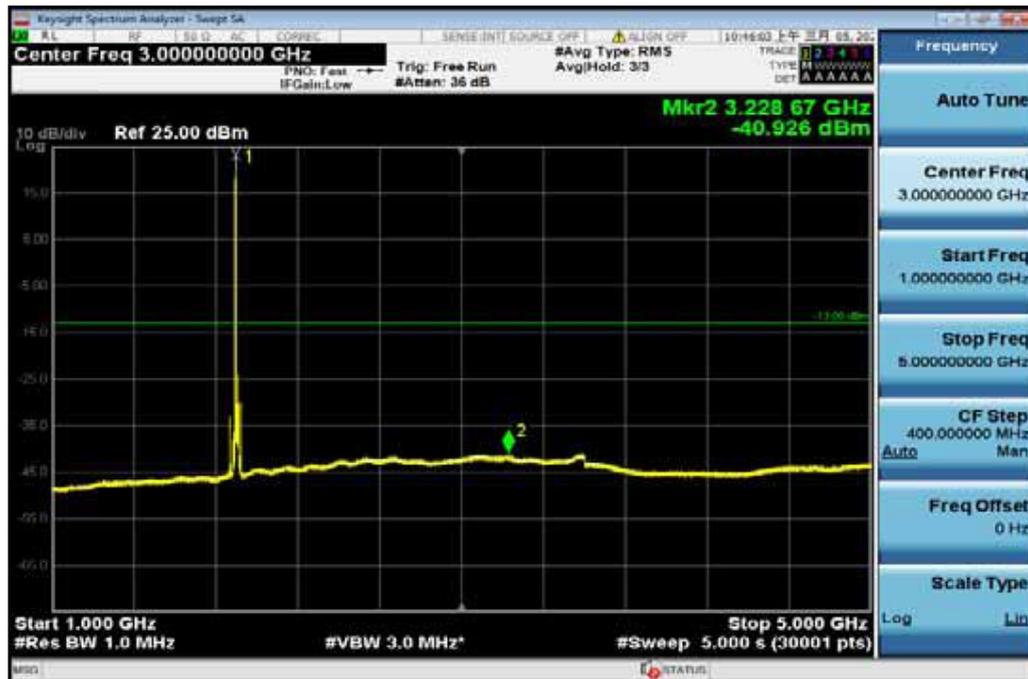
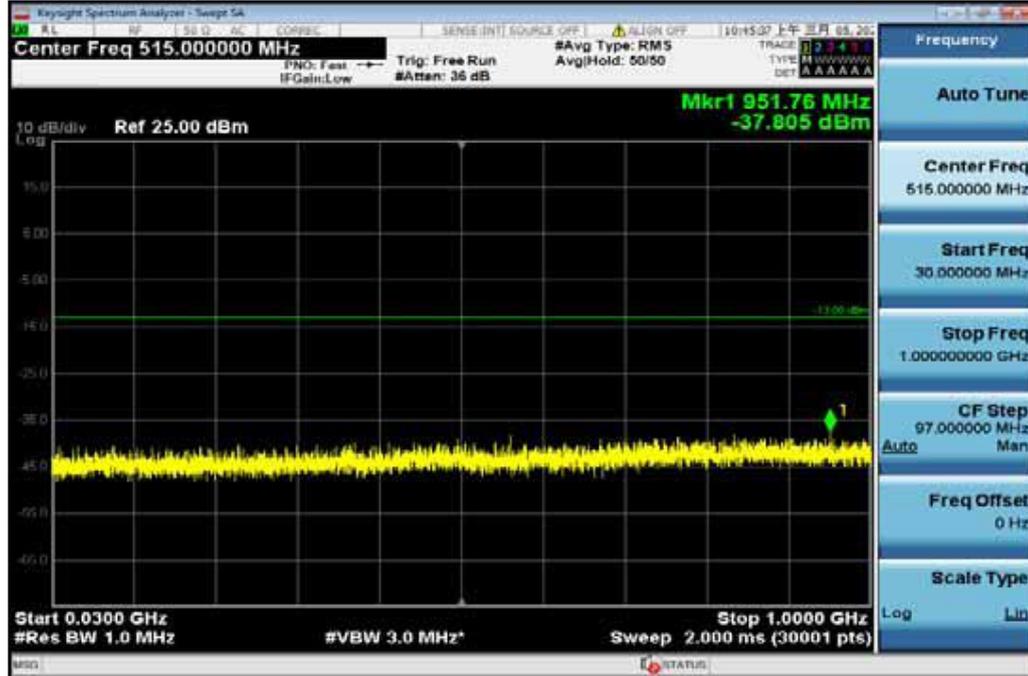
15MHz

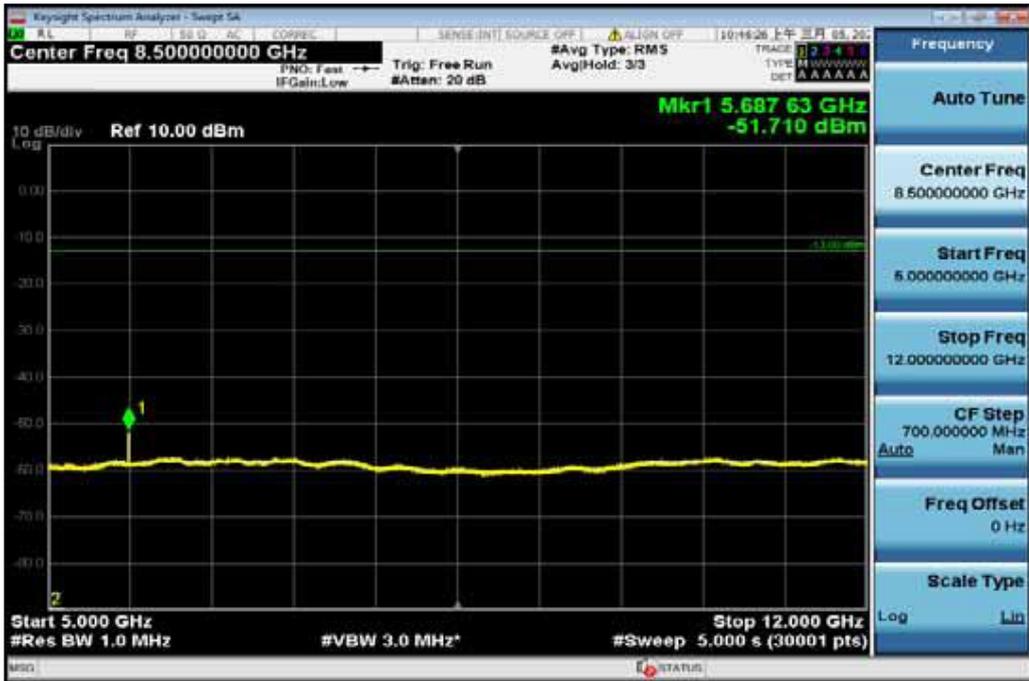




LTE Band 2 high channel

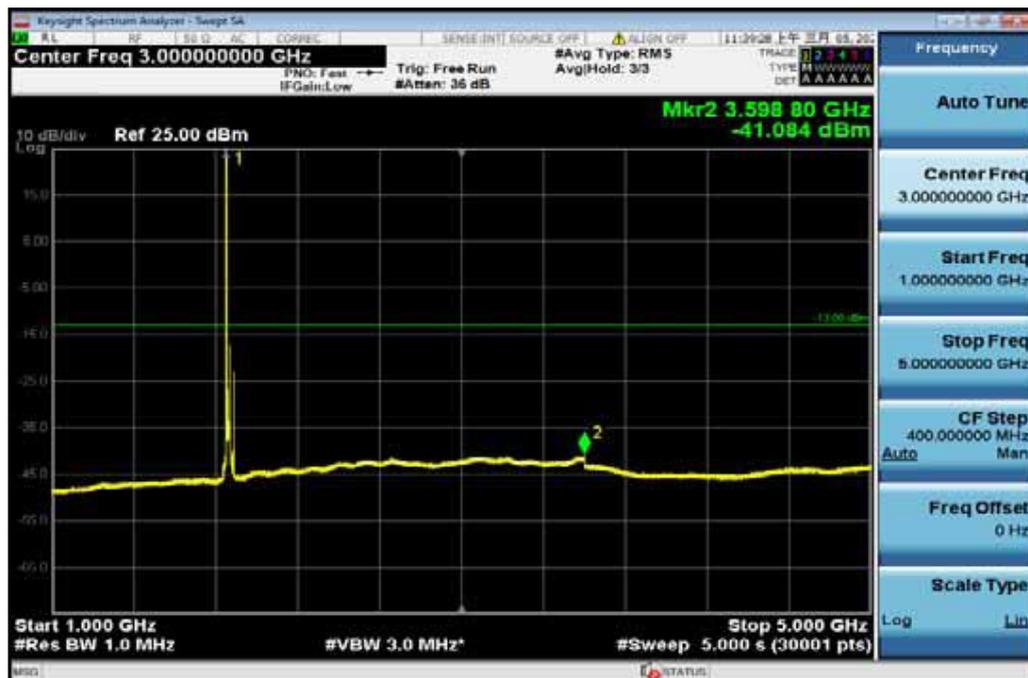
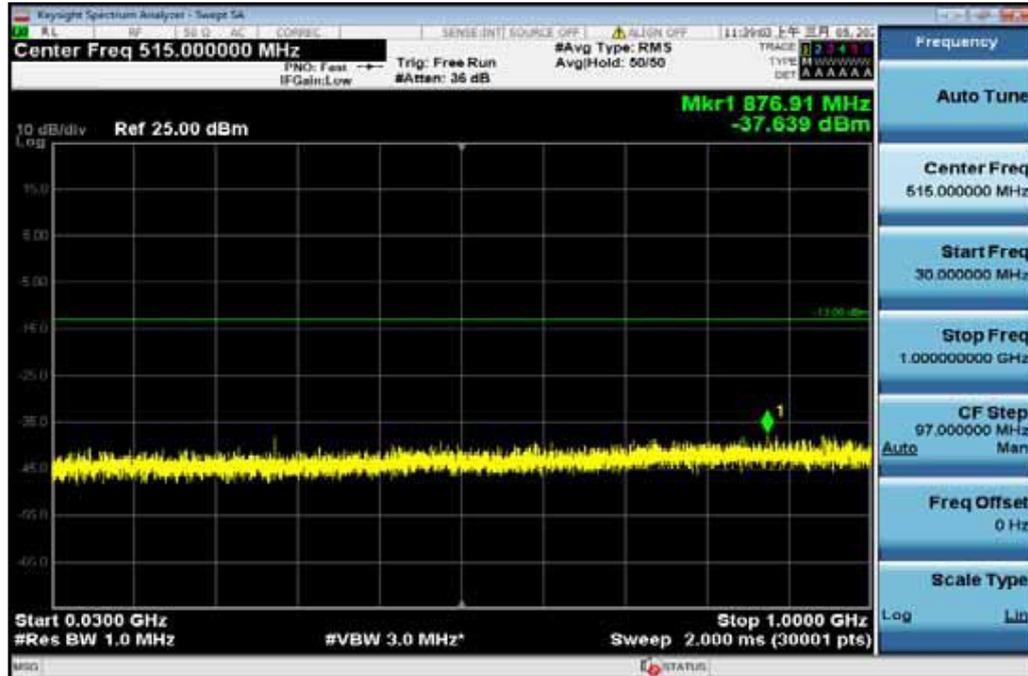
15MHz

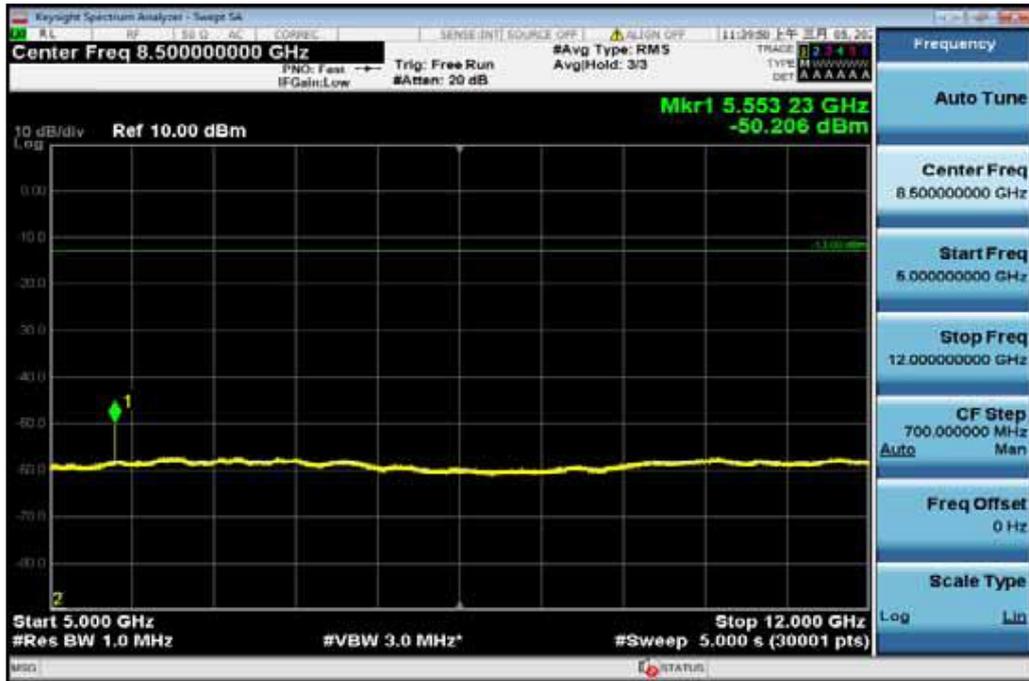




LTE Band 2 Lowest channel

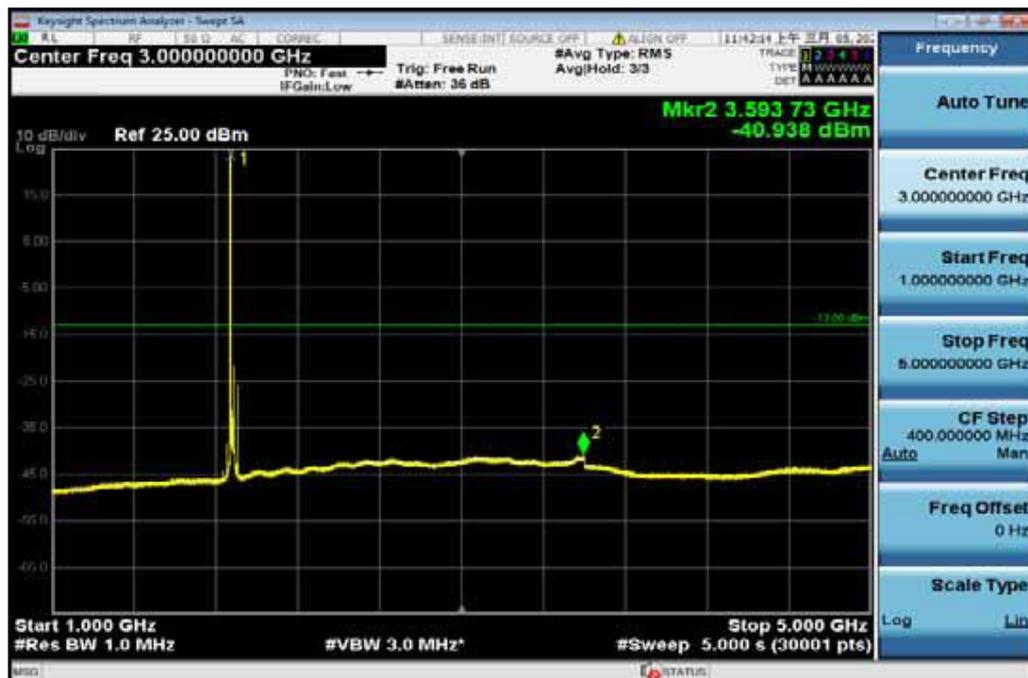
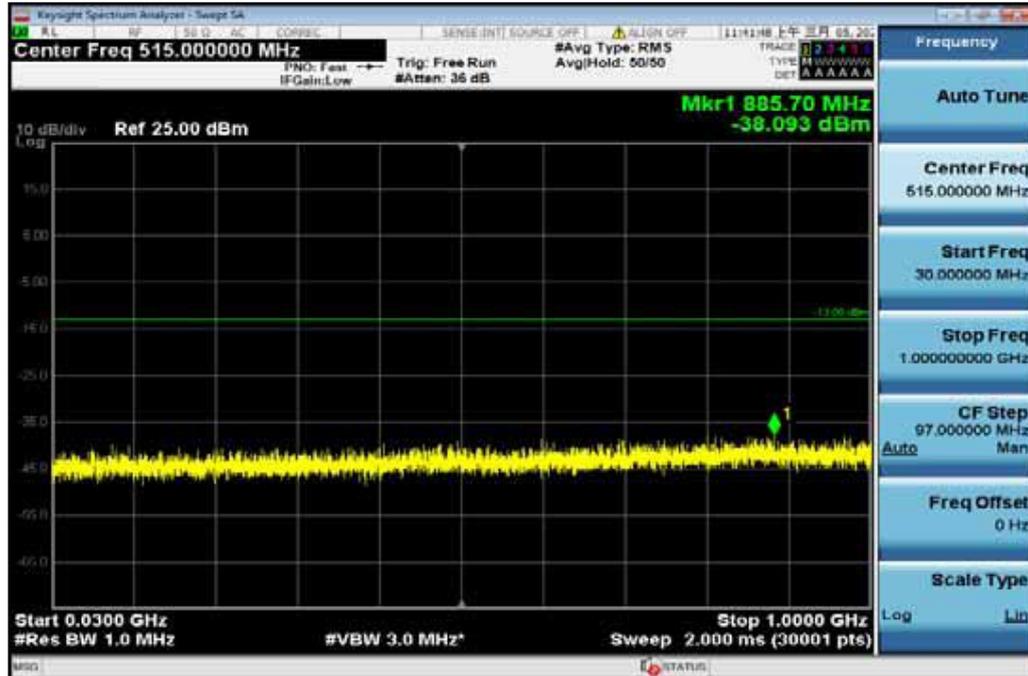
20MHz

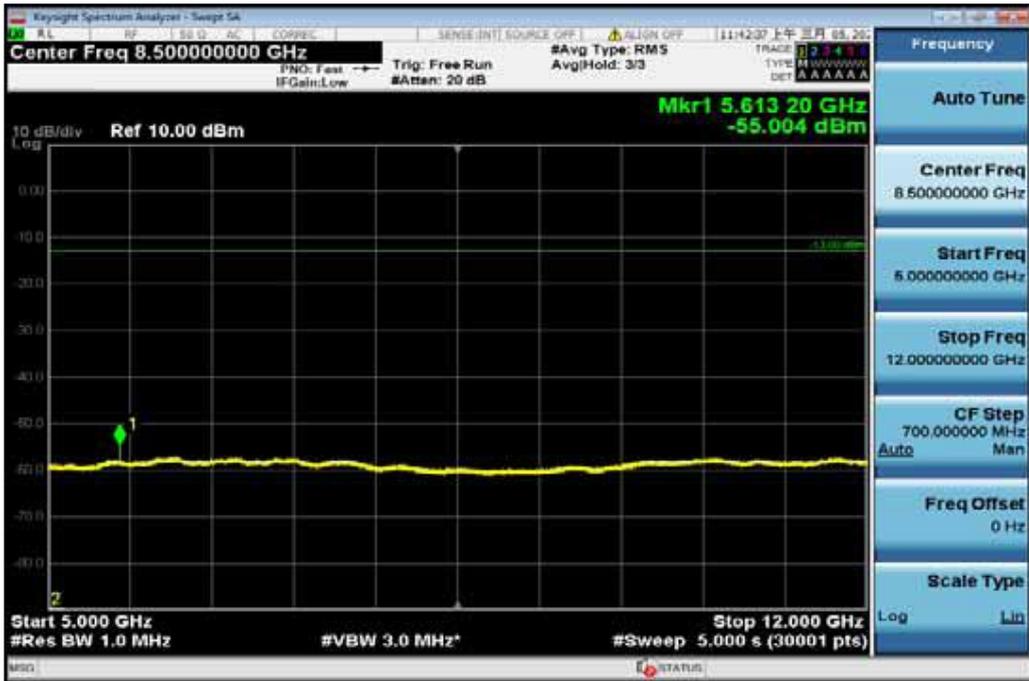




LTE Band 2 middle channel

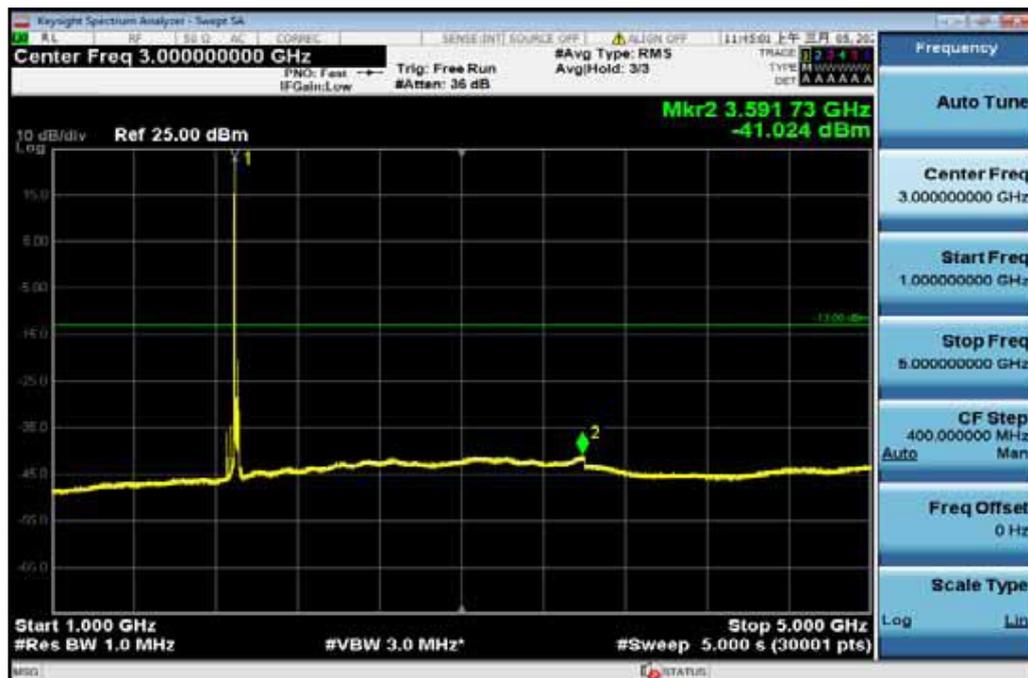
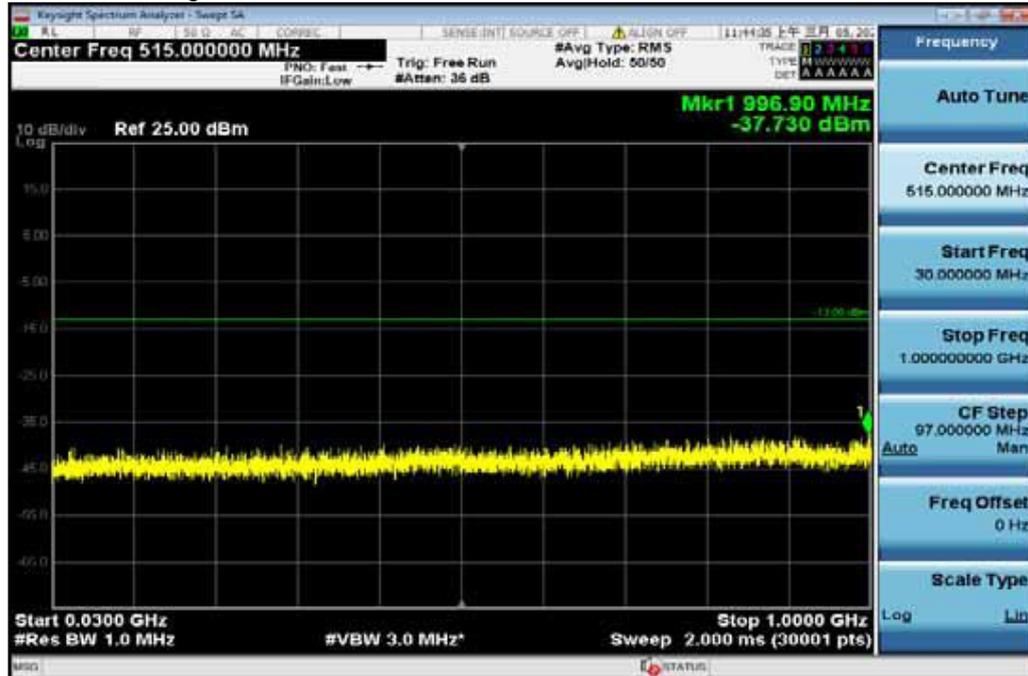
20MHz

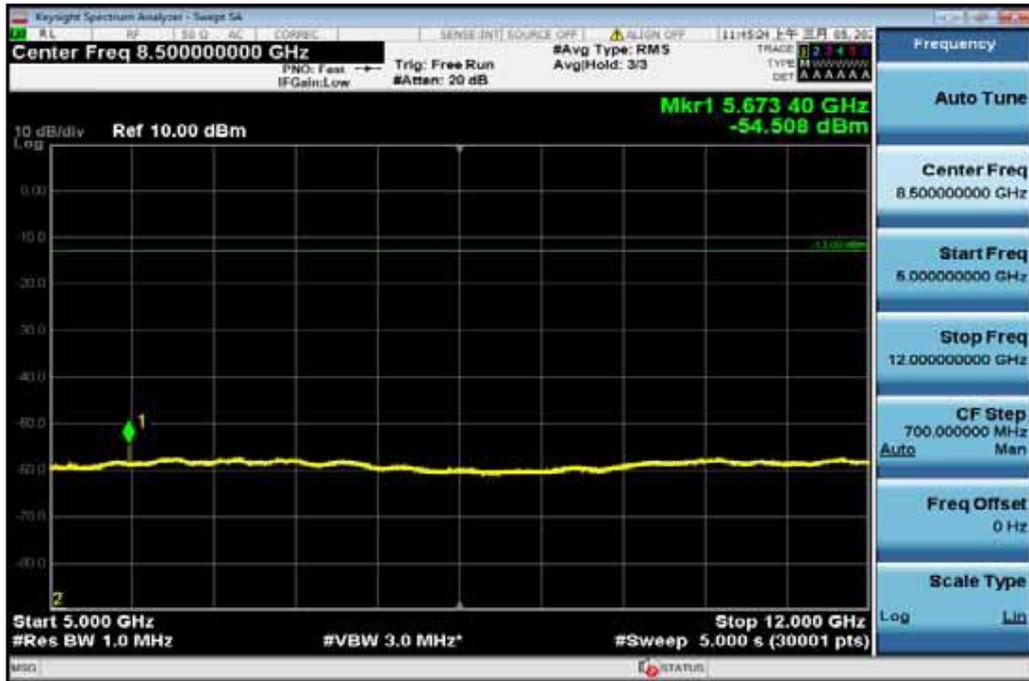




LTE Band 2 high channel

20MHz





















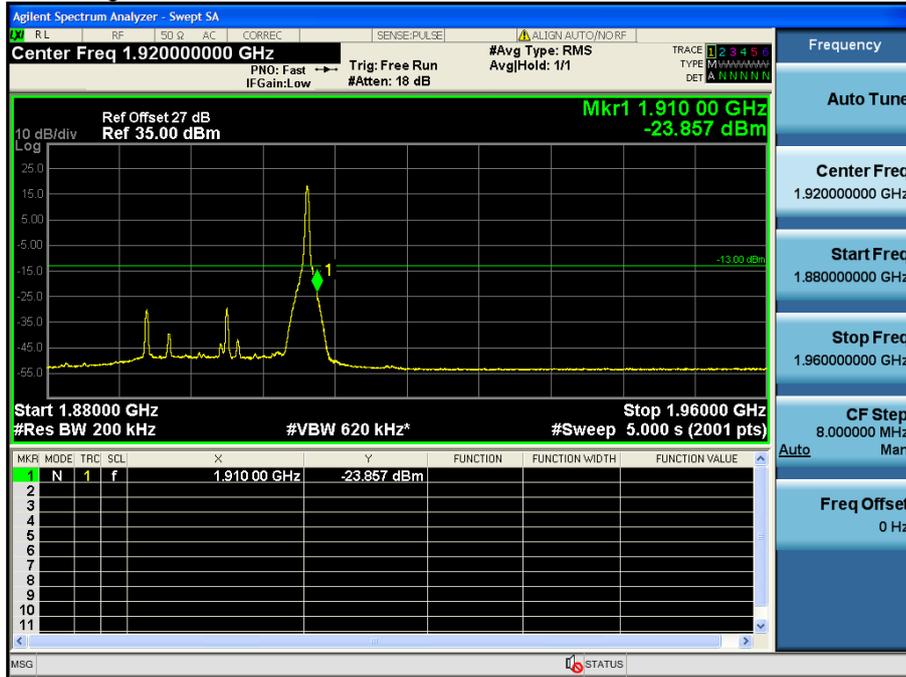






LTE Band 2 Highest channel:

20MHz 1RB



LTE Band 2 Highest channel:

20MHz 75RB



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