

FCC Test Report

ANNEX 5 LTE BAND 4

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

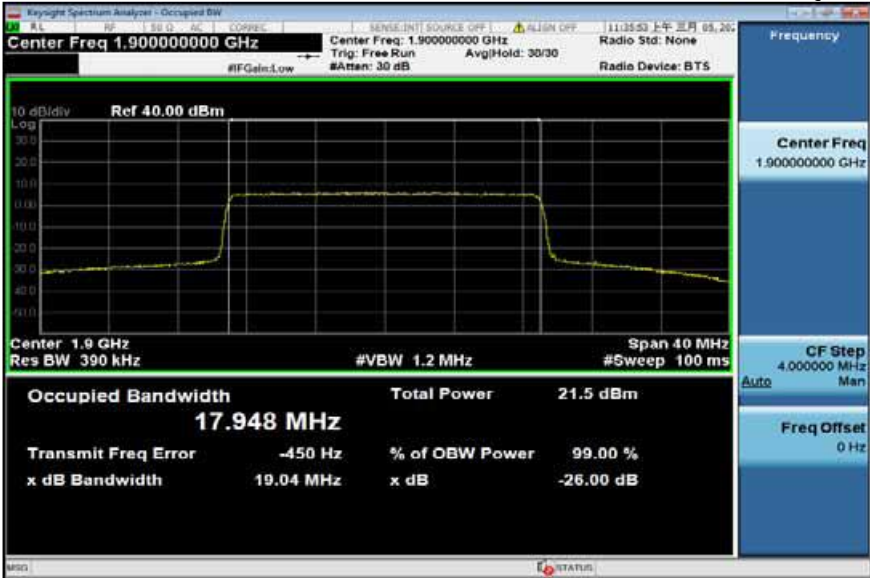
1.1.1. Test Result

EUT Mode Bandwidth	Modulation	Frequency (MHz)	99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
LTE Band 4 1.4MHz	QPSK	1710.7	1.0915	1.247
		1732.5	1.0897	1.256
		1754.3	1.0896	1.255
LTE Band 4 1.4 MHz	16-QAM	1710.7	1.0902	1.272
		1732.5	1.0896	1.265
		1754.3	1.0910	1.260
LTE Band 4 3 MHz	QPSK	1711.5	2.6903	2.860
		1732.5	2.6827	2.854
		1753.5	2.6922	2.862
LTE Band 4 3 MHz	16-QAM	1711.5	2.6897	2.848
		1732.5	2.6846	2.859
		1753.5	2.6889	2.866
LTE Band 4 5 MHz	QPSK	1712.5	4.5047	4.993
		1732.5	4.5063	4.971
		1752.5	4.5067	4.929
LTE Band 4 5 MHz	16-QAM	1712.5	4.5110	4.931
		1732.5	4.5130	4.920
		1752.5	4.5100	5.015
LTE Band 4 10 MHz	QPSK	1715	8.9869	9.616
		1732.5	8.9855	9.607
		1750	8.9953	9.569
LTE Band 4 10 MHz	16-QAM	1715	8.9728	9.599
		1732.5	8.9829	9.620
		1750	8.9931	9.570
LTE Band 4 15 MHz	QPSK	1717.5	13.486	14.43
		1732.5	13.485	14.33
		1747.5	13.466	14.41
LTE Band 4 15 MHz	16-QAM	1717.5	13.477	14.30
		1732.5	13.474	14.34
		1747.5	13.463	14.33
LTE Band 4 20 MHz	QPSK	1720	17.963	19.01
		1732.5	17.965	19.05
		1745	17.925	19.02
LTE Band 4 20 MHz	16-QAM	1720	17.952	19.02
		1732.5	17.961	19.02
		1745	17.943	19.01

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

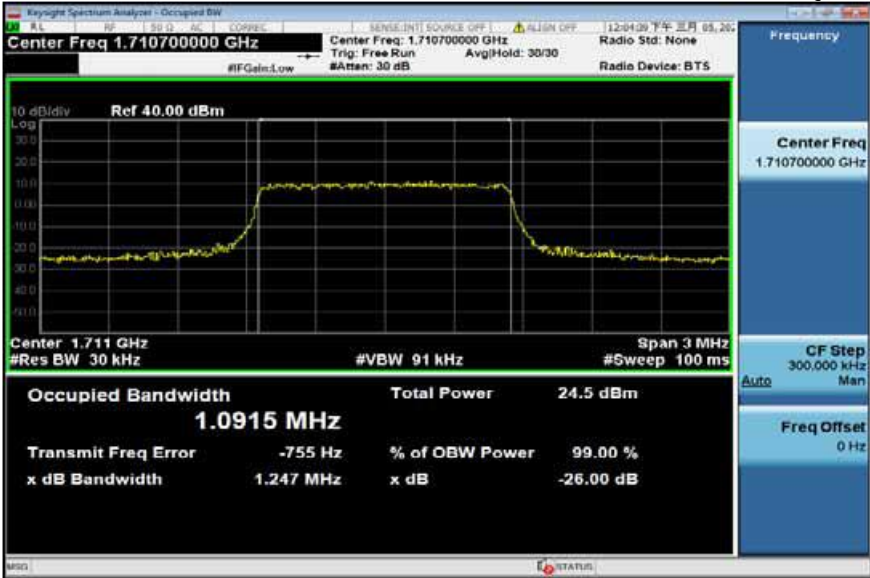
LTE Band 4 Lowest channel

1.4 MHz QPSK



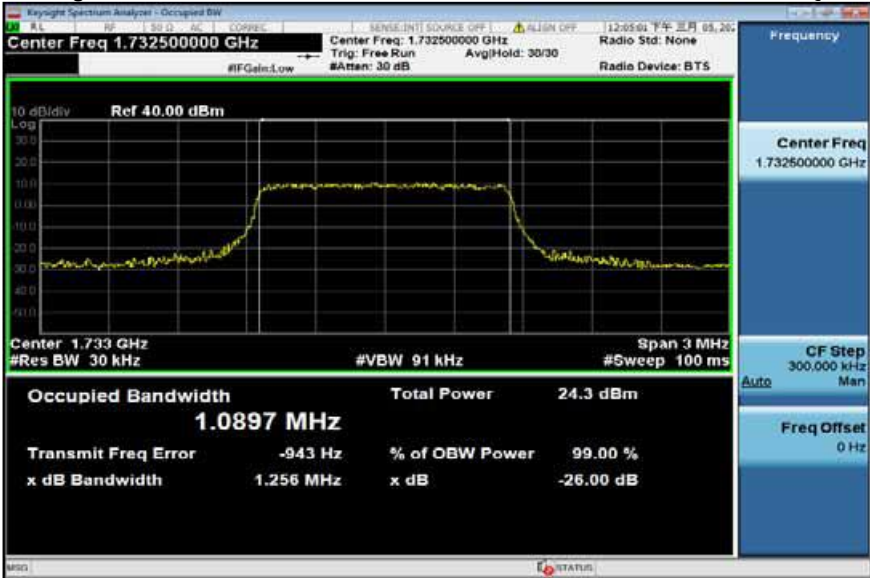
LTE Band 4 Middle channel

1.4 MHz QPSK



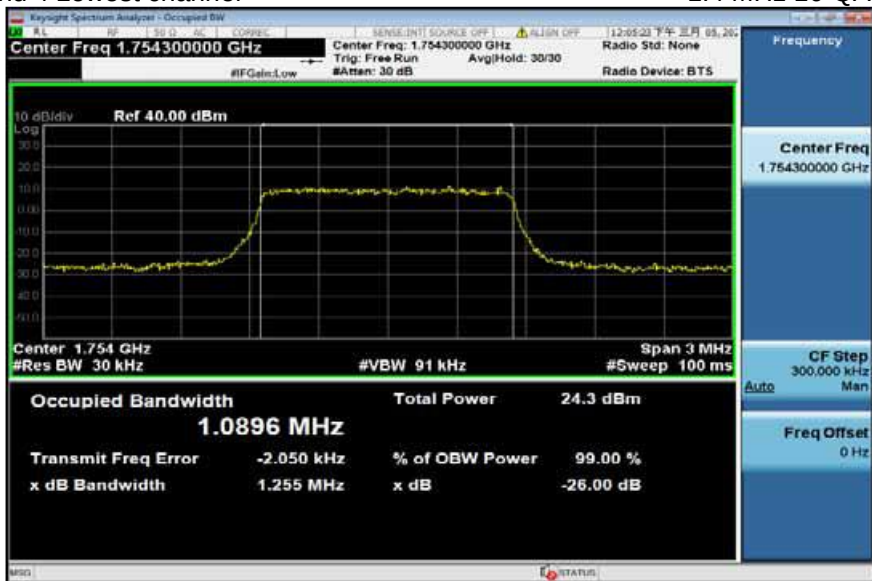
LTE Band 4 Highest channel:

1.4 MHz QPSK



LTE Band 4 Lowest channel

1.4 MHz 16-QAM



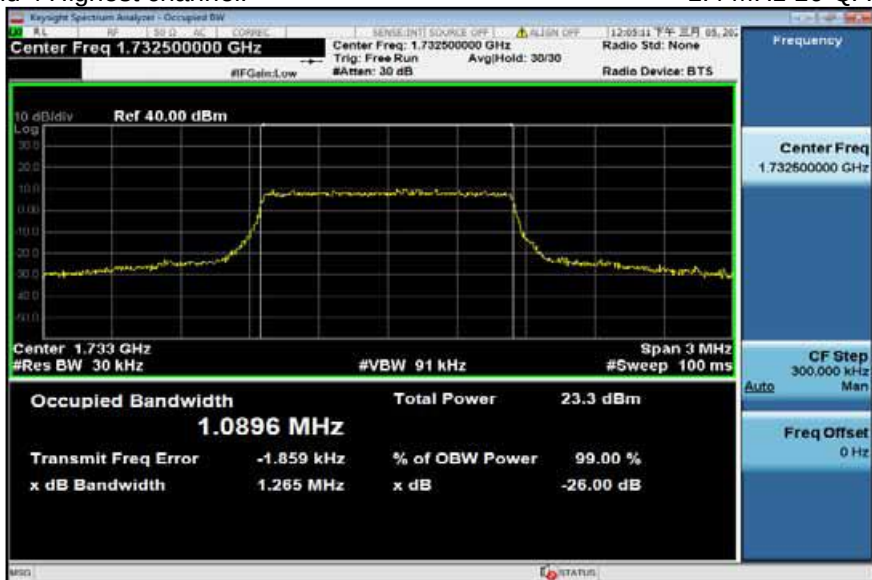
LTE Band 4 Middle channel

1.4 MHz 16-QAM



LTE Band 4 Highest channel:

1.4 MHz 16-QAM



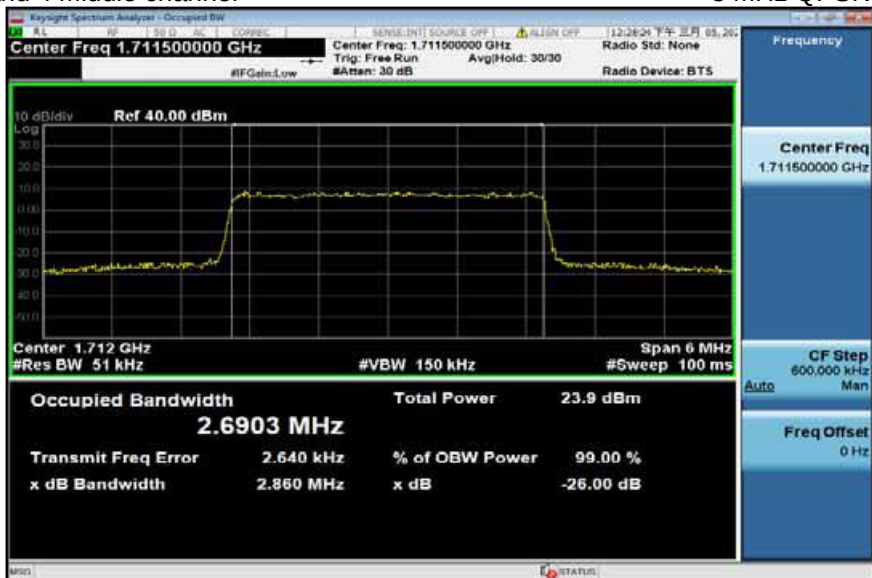
LTE Band 4 Lowest channel

3 MHz QPSK



LTE Band 4 Middle channel

3 MHz QPSK



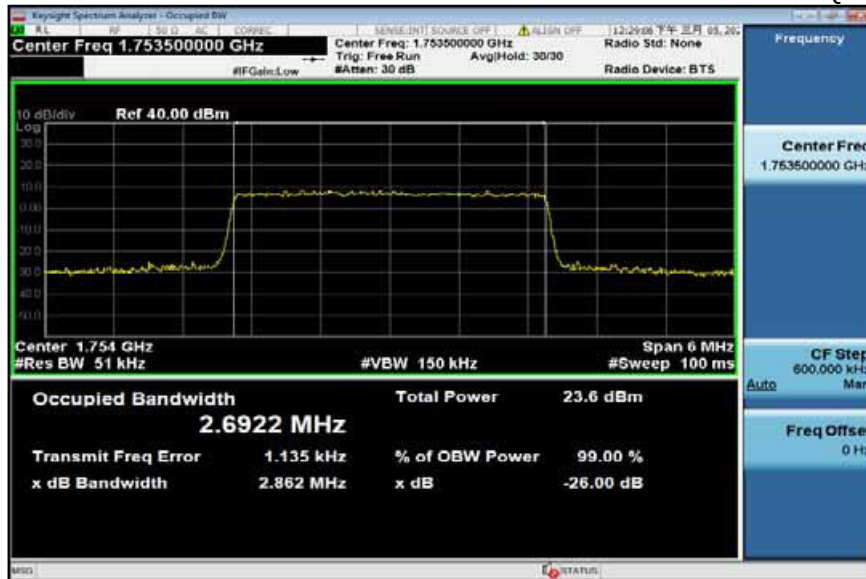
LTE Band 4 Highest channel:

3 MHz QPSK



LTE Band 4 Lowest channel

3 MHz 16-QAM



LTE Band 4 Middle channel

3 MHz 16-QAM



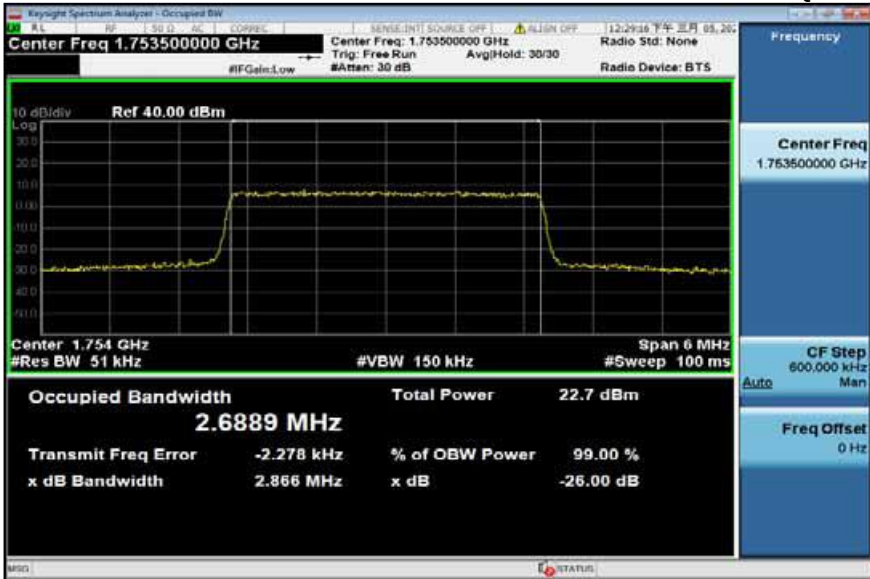
LTE Band 4 Highest channel:

3 MHz 16-QAM



LTE Band 4 Lowest channel

5 MHz QPSK



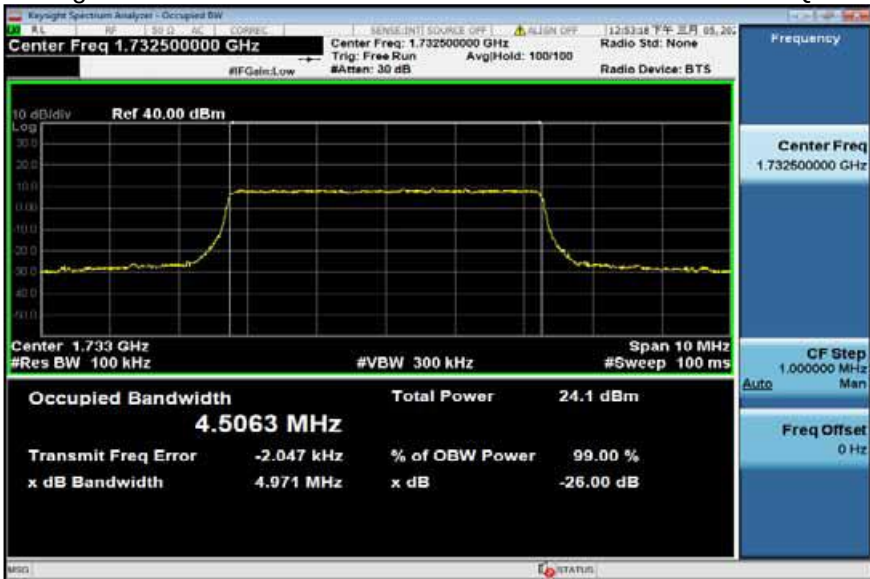
LTE Band 4 Middle channel

5 MHz QPSK



LTE Band 4 Highest channel:

5 MHz QPSK



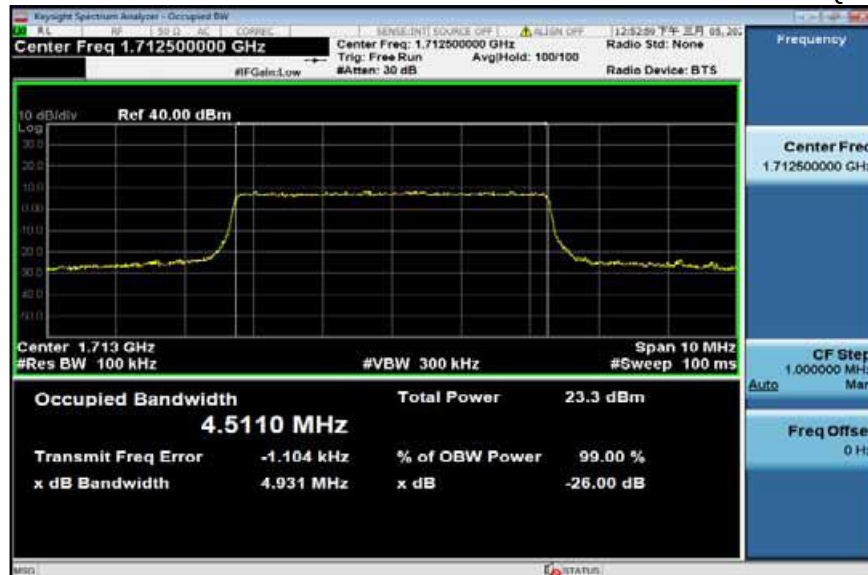
LTE Band 4 Lowest channel

5 MHz 16-QAM



LTE Band 4 Middle channel

5 MHz 16-QAM



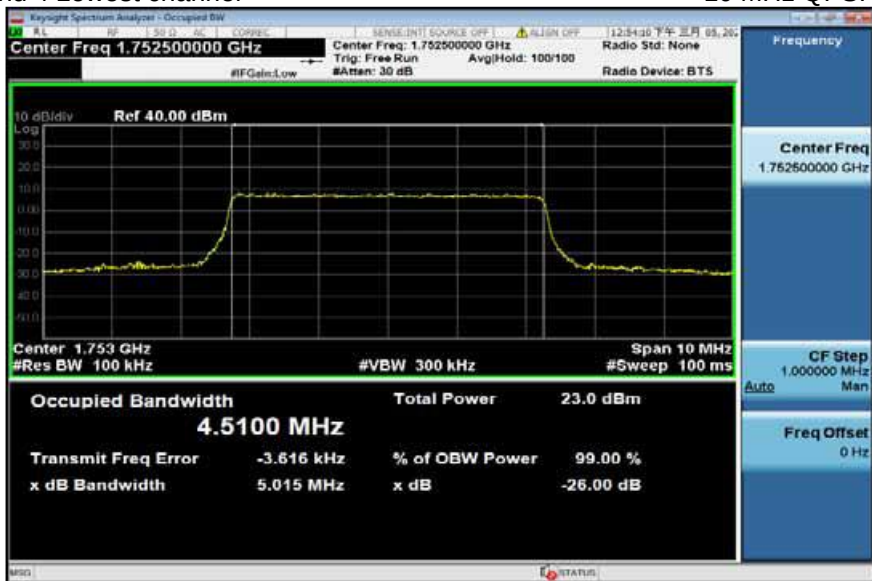
LTE Band 4 Highest channel:

5 MHz 16-QAM



LTE Band 4 Lowest channel

10 MHz QPSK



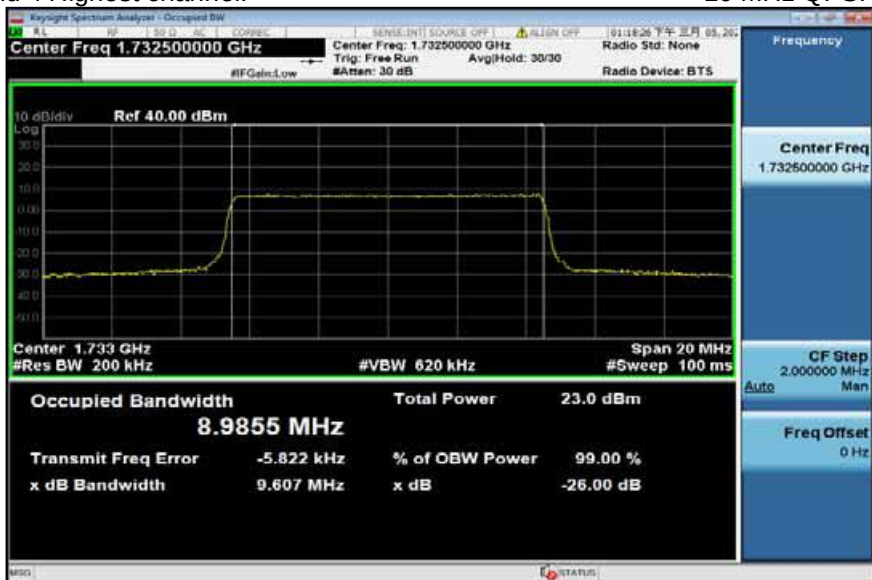
LTE Band 4 Middle channel

10 MHz QPSK



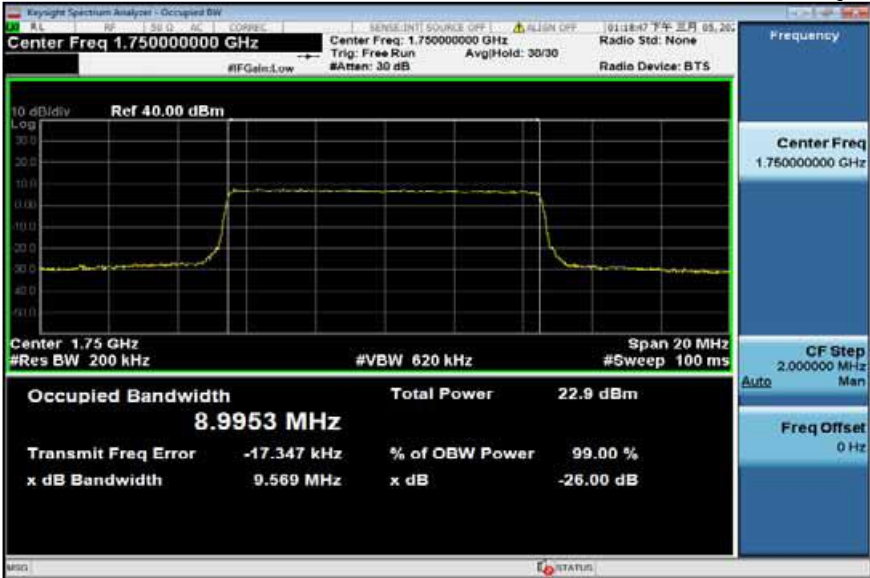
LTE Band 4 Highest channel:

10 MHz QPSK



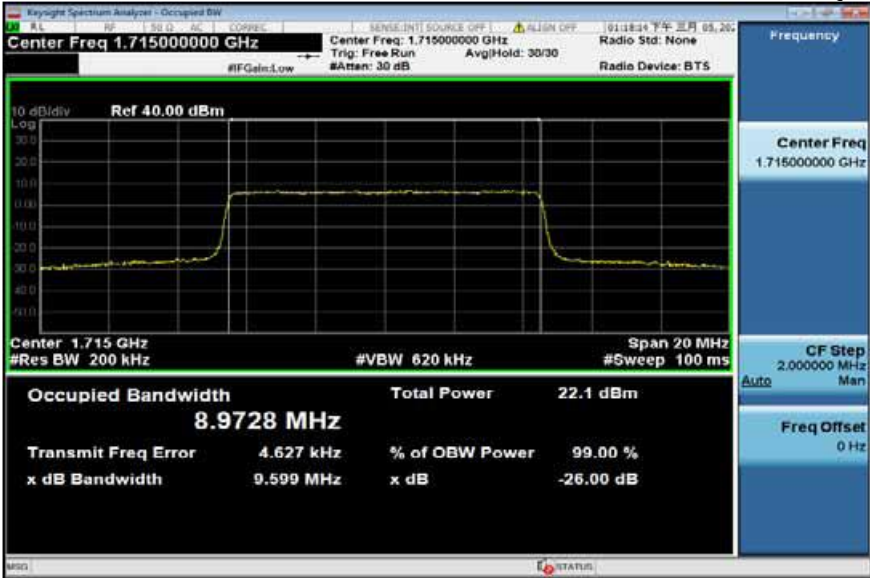
LTE Band 4 Lowest channel

10 MHz 16-QAM



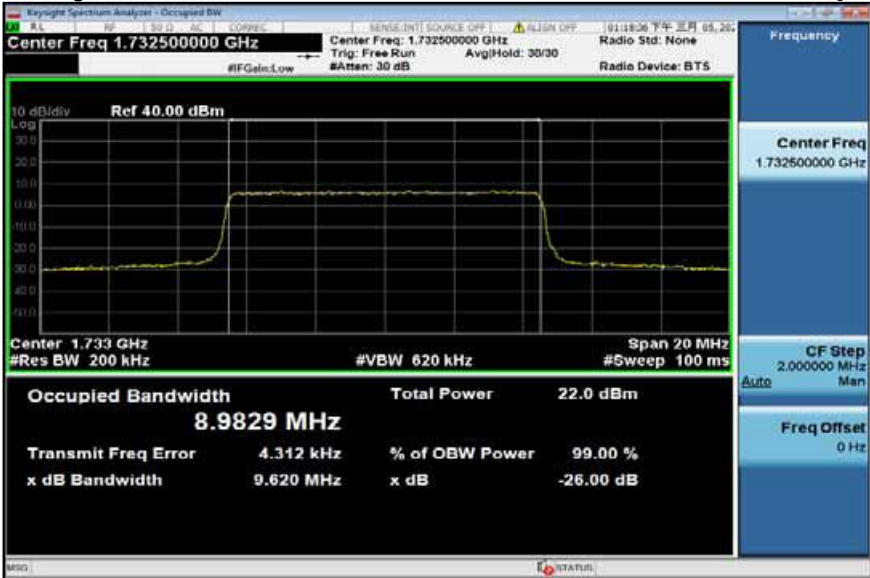
LTE Band 4 Middle channel

10 MHz 16-QAM



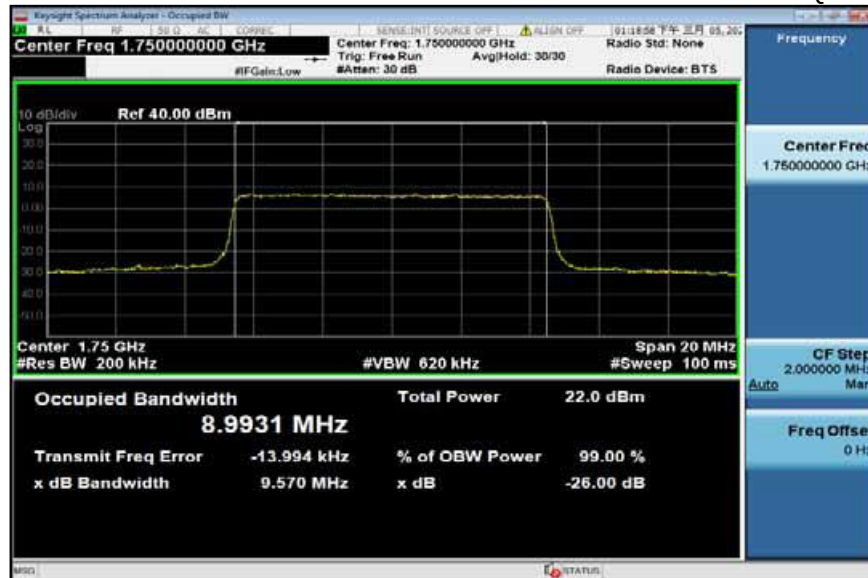
LTE Band 4 Highest channel:

10 MHz 16-QAM



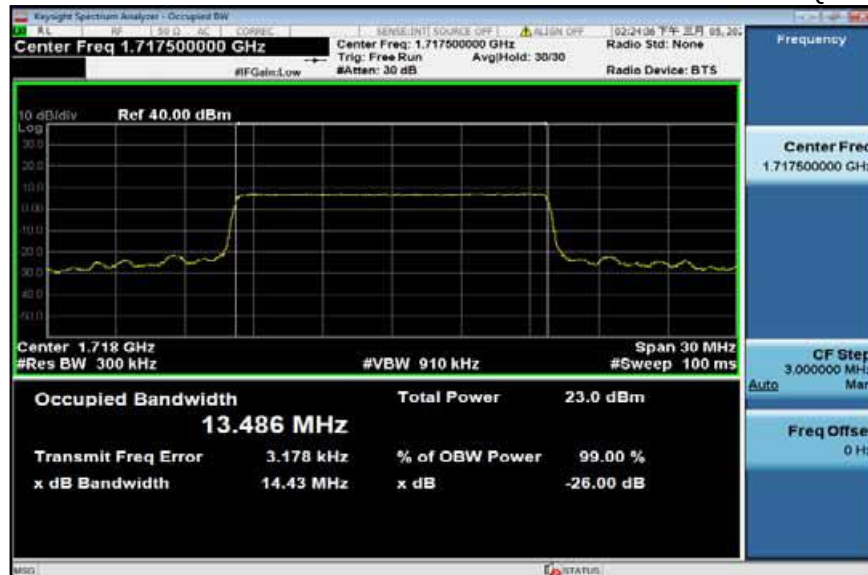
LTE Band 4 Lowest channel

15 MHz QPSK



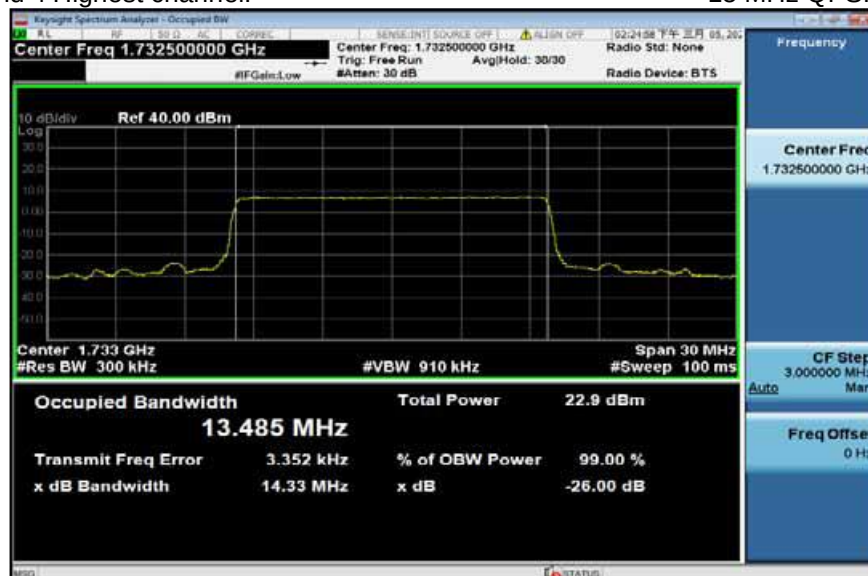
LTE Band 4 Middle channel

15 MHz QPSK



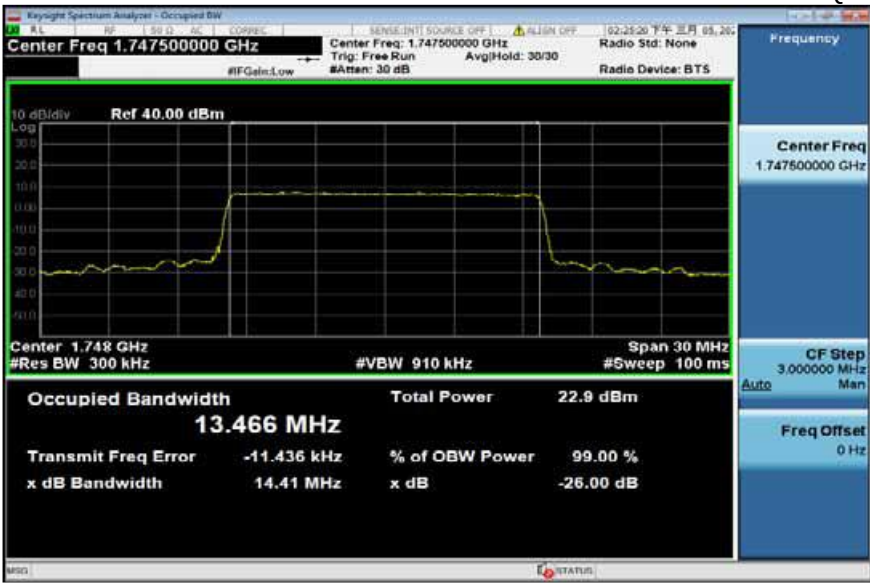
LTE Band 4 Highest channel:

15 MHz QPSK



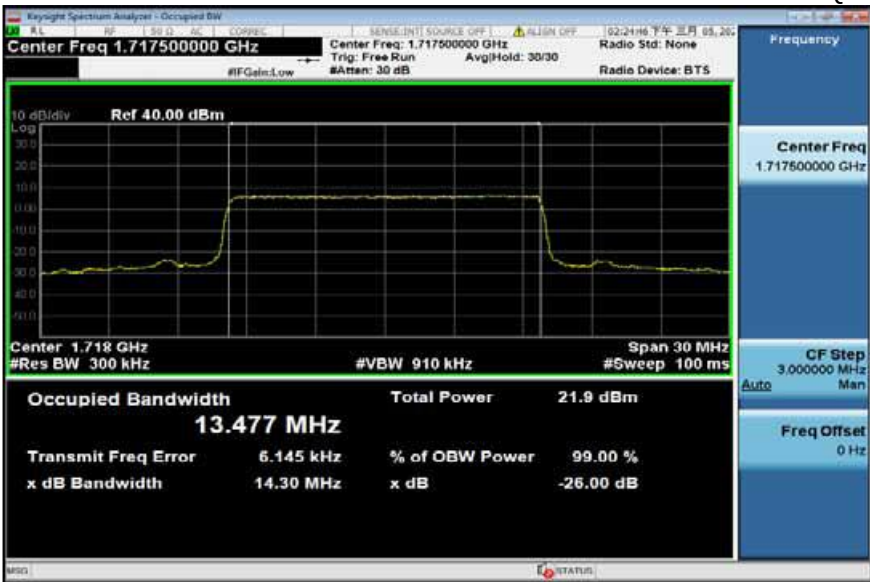
LTE Band 4 Lowest channel

15 MHz 16-QAM



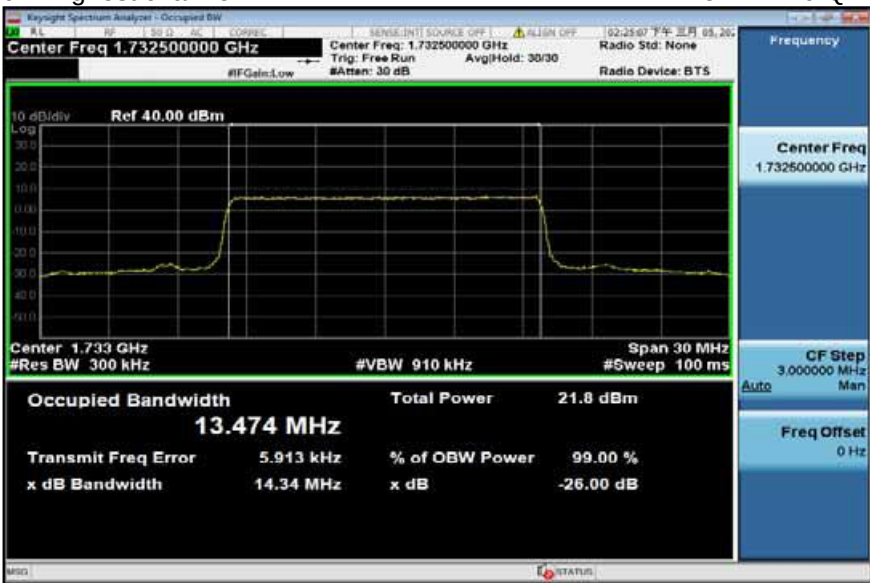
LTE Band 4 Middle channel

15 MHz 16-QAM



LTE Band 4 Highest channel:

15 MHz 16-QAM



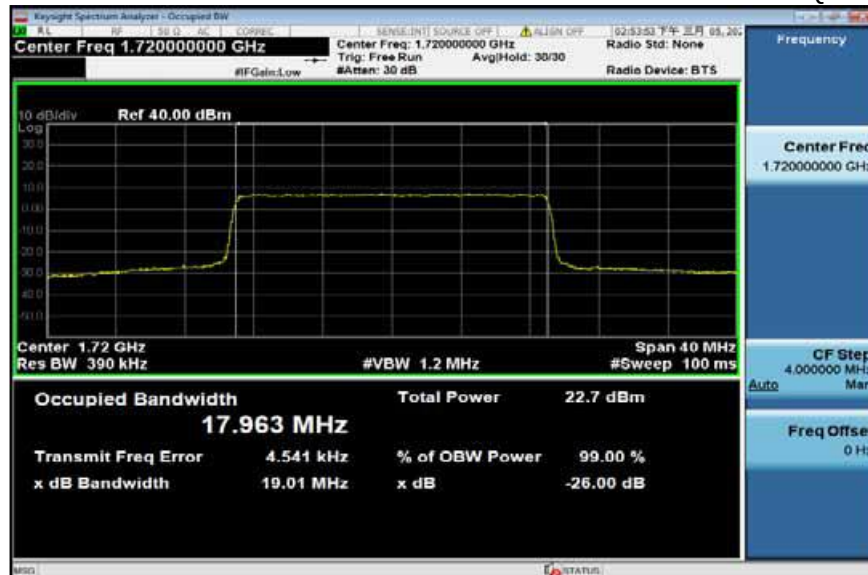
LTE Band 4 Lowest channel

20 MHz QPSK



LTE Band 4 Middle channel

20 MHz QPSK



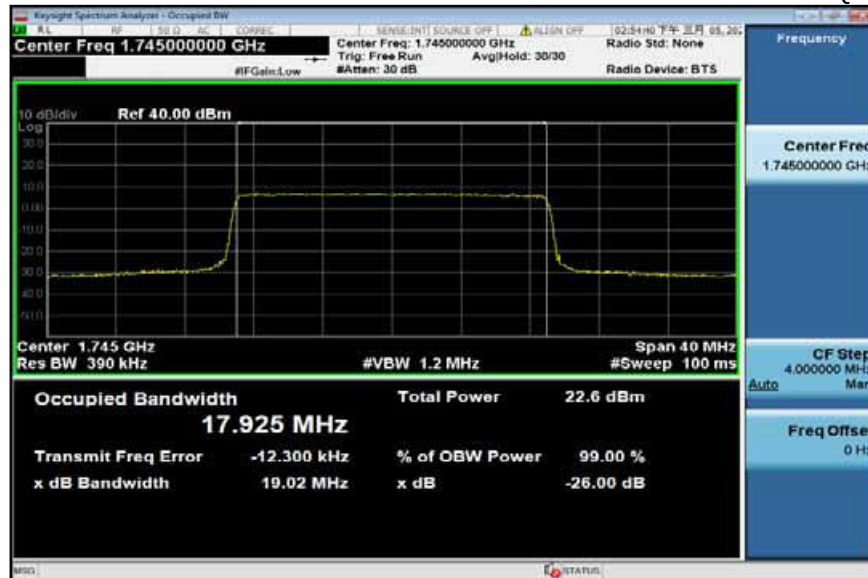
LTE Band 4 Highest channel:

20 MHz QPSK



LTE Band 4 Lowest channel

20 MHz 16-QAM



LTE Band 4 Middle channel

20 MHz 16-QAM



LTE Band 4 Highest channel:

20 MHz 16-QAM



1.2. Conducted Spurious Emissions

1.2.1. Test Result

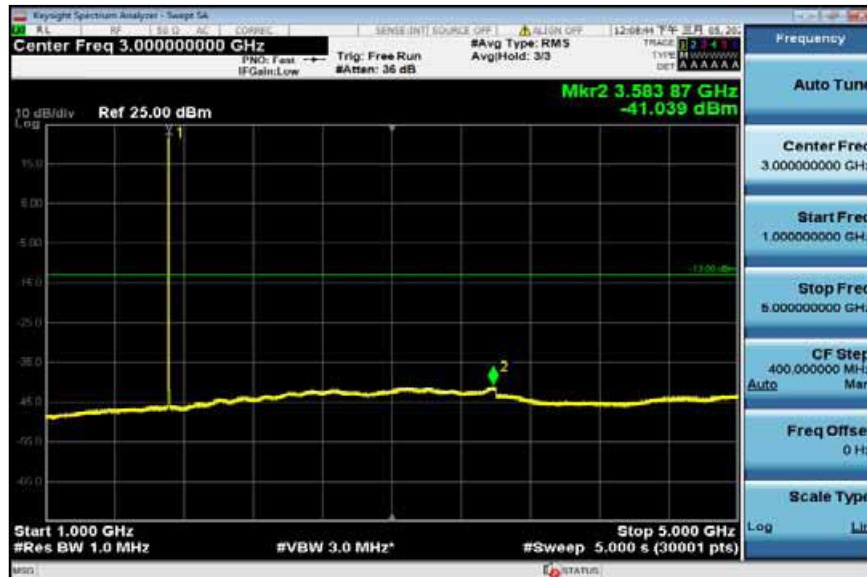
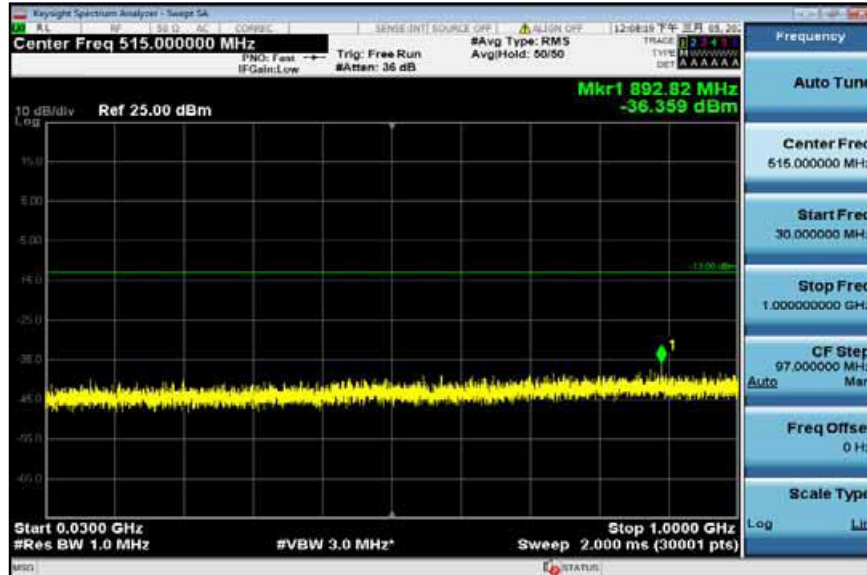
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

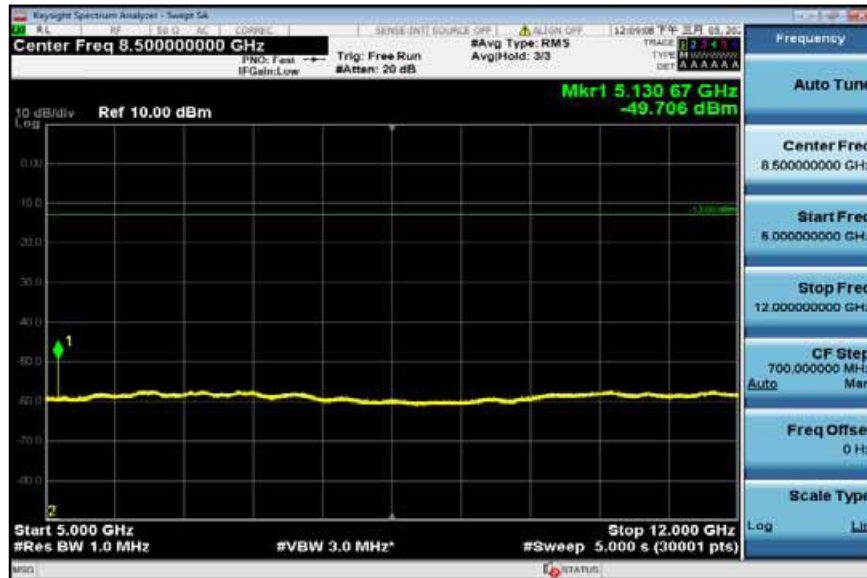
For LTE mode, the plot only show the QPSK,RB100's data.

Pass, the table and plot please see annex.

LTE Band 4 Lowest channel

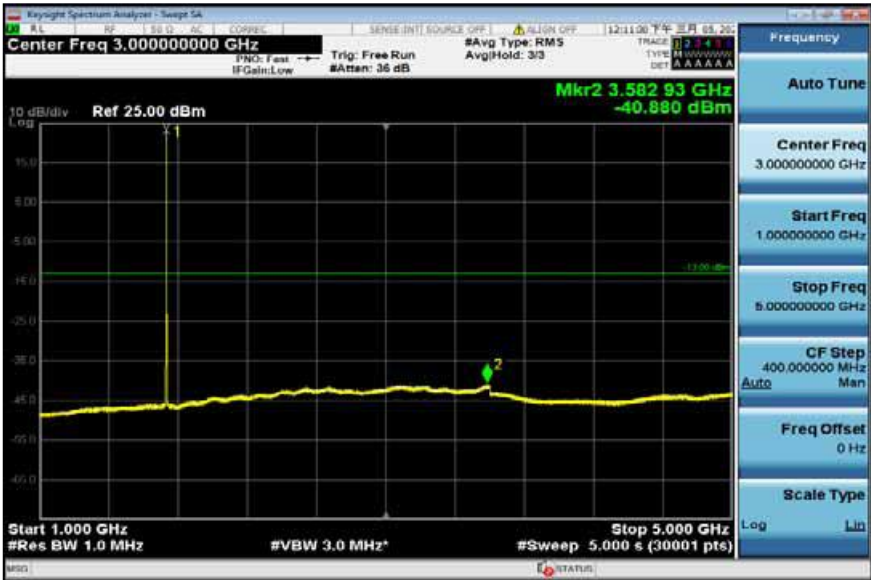
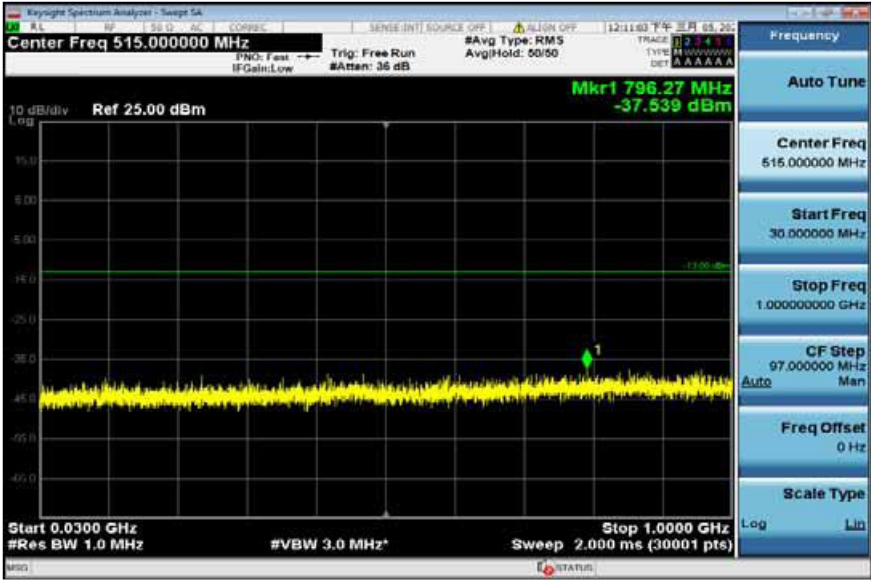
1.4MHz

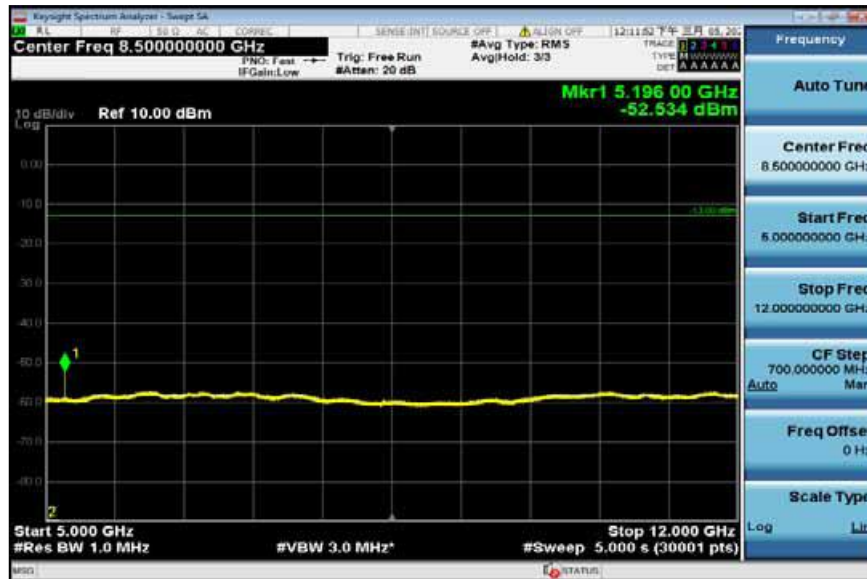




LTE Band 4 middle channel

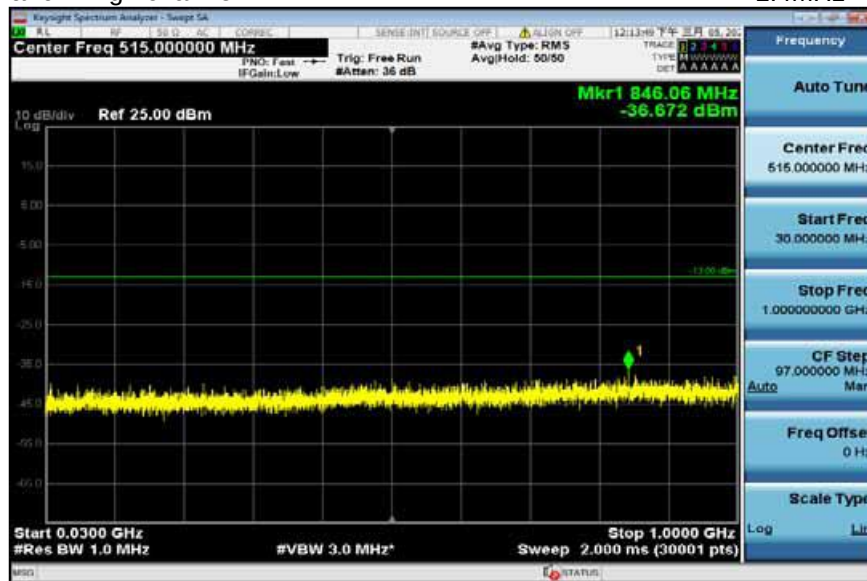
1.4MHz

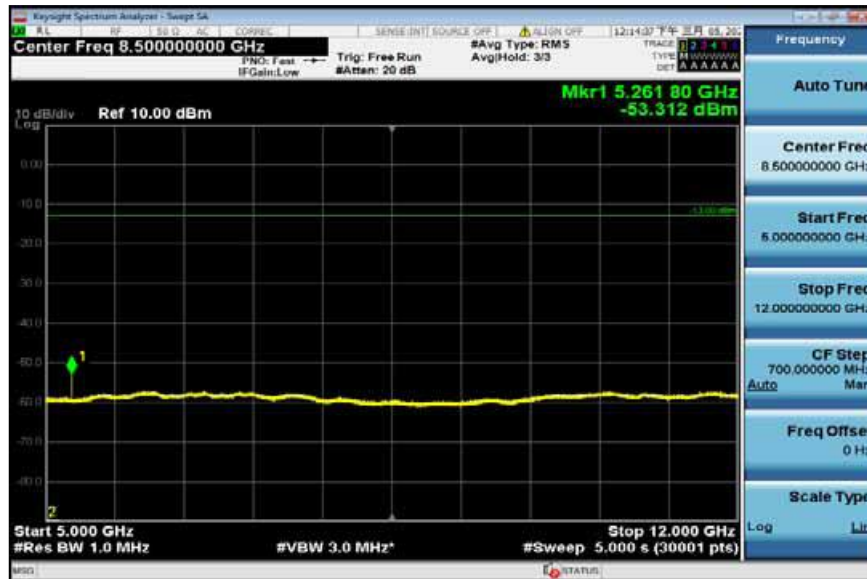




LTE Band 4 high channel

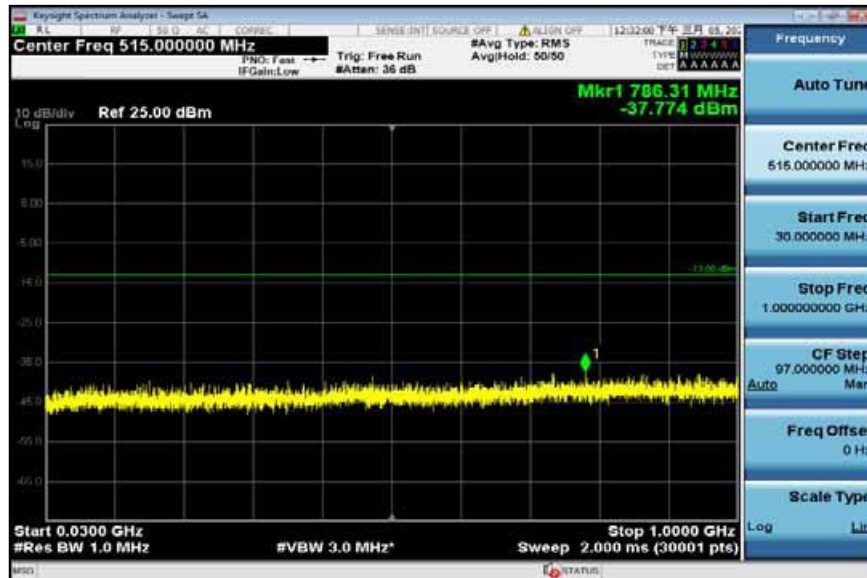
1.4MHz

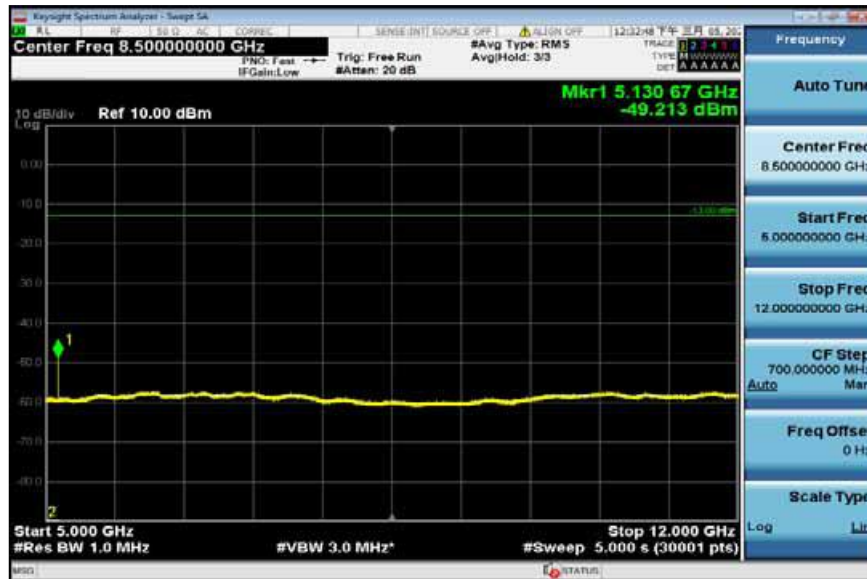




LTE Band 4 Lowest channel

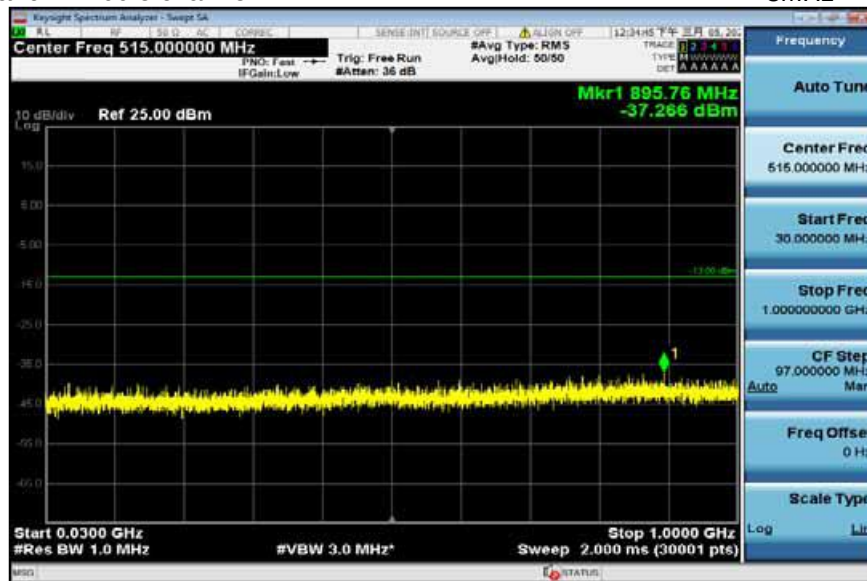
3MHz

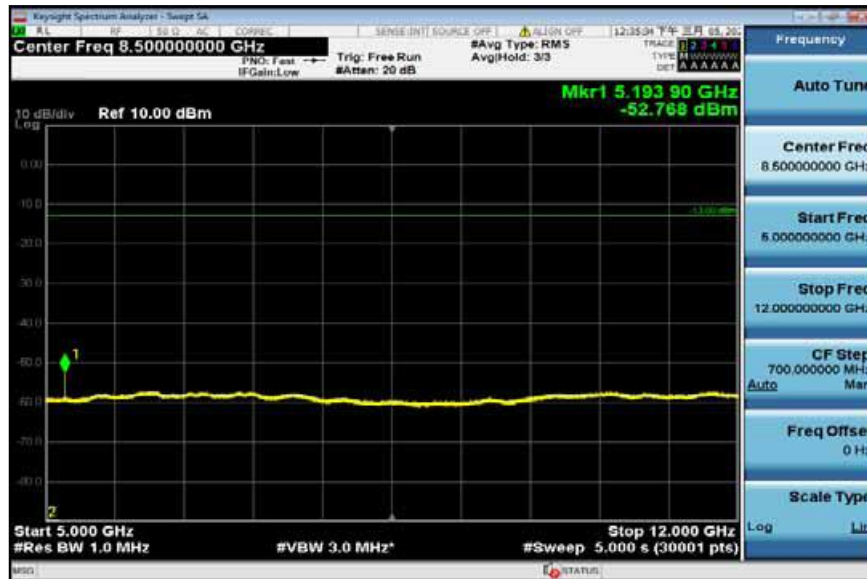




LTE Band 4 middle channel

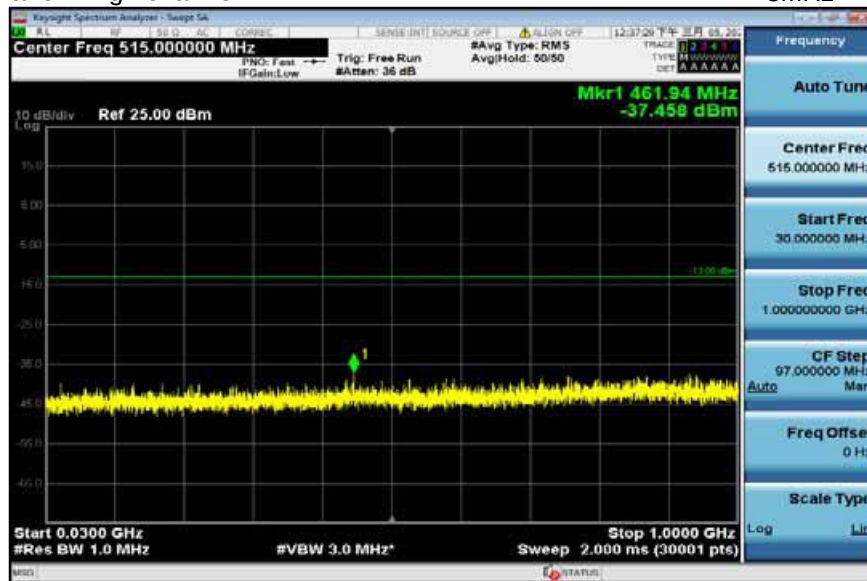
3MHz

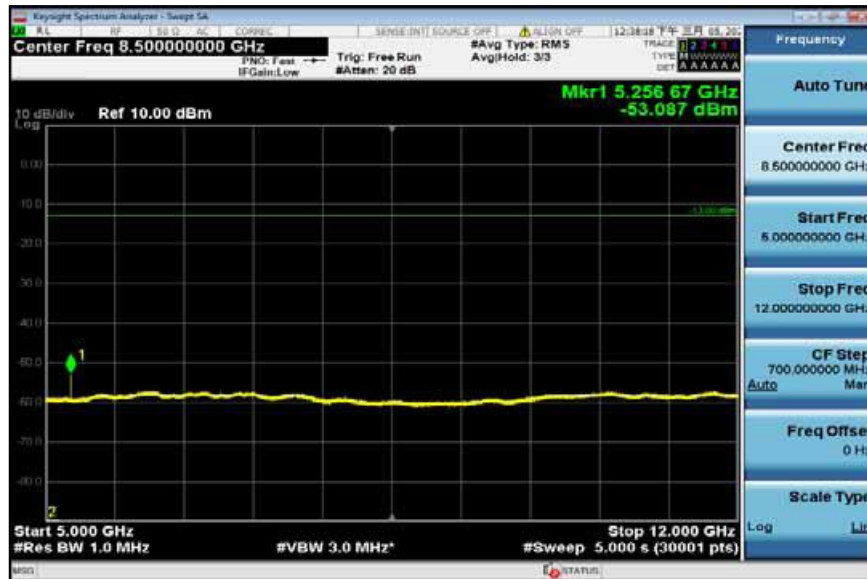




LTE Band 4 high channel

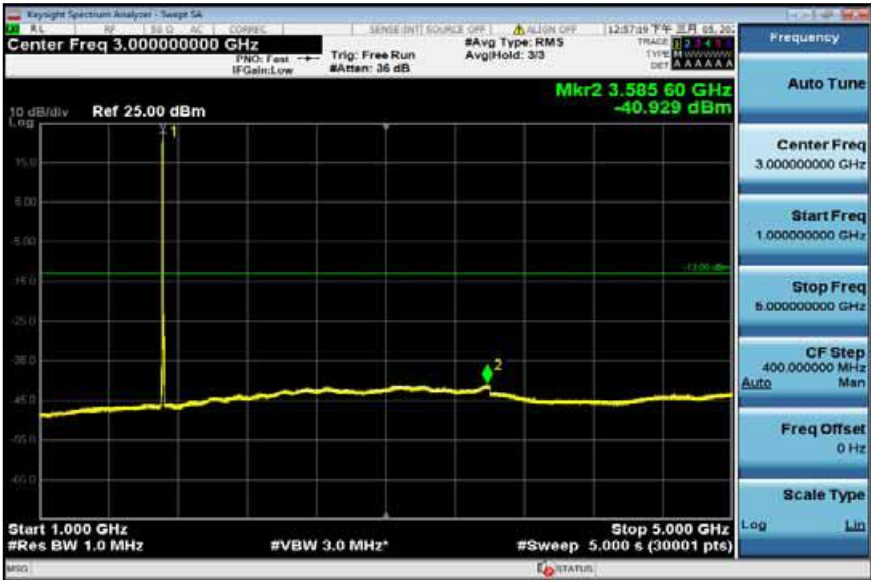
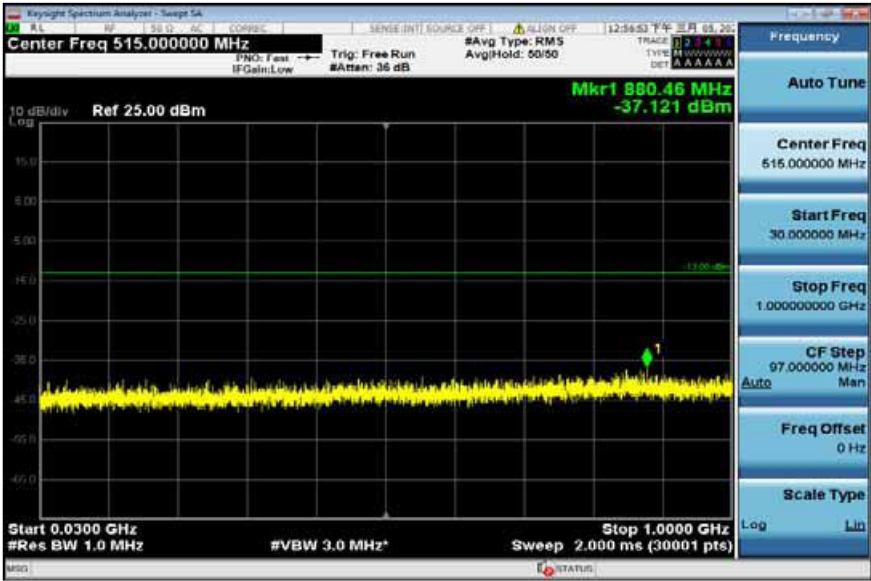
3MHz

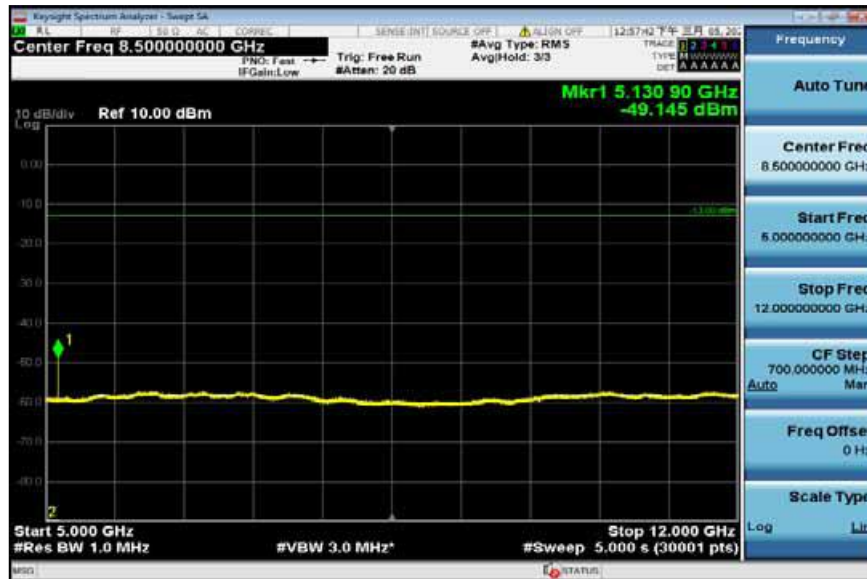




LTE Band 4 Lowest channel

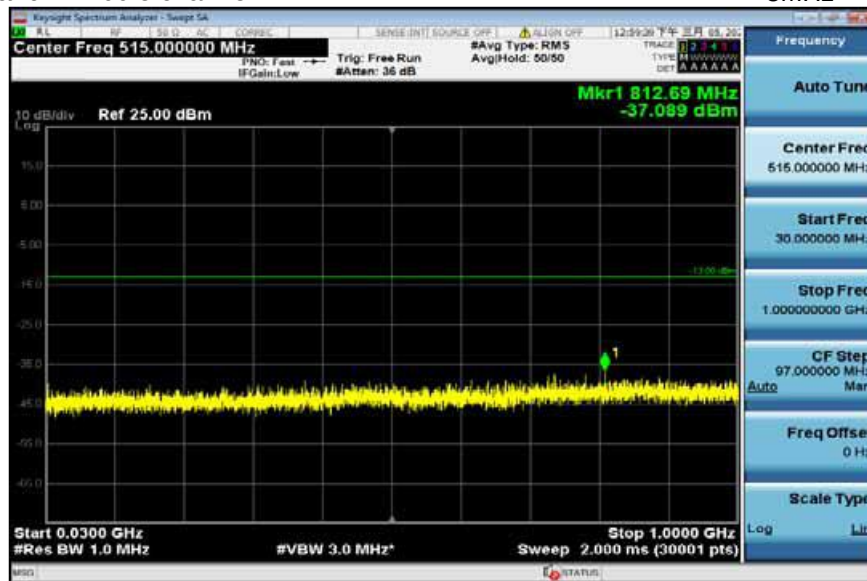
5MHz

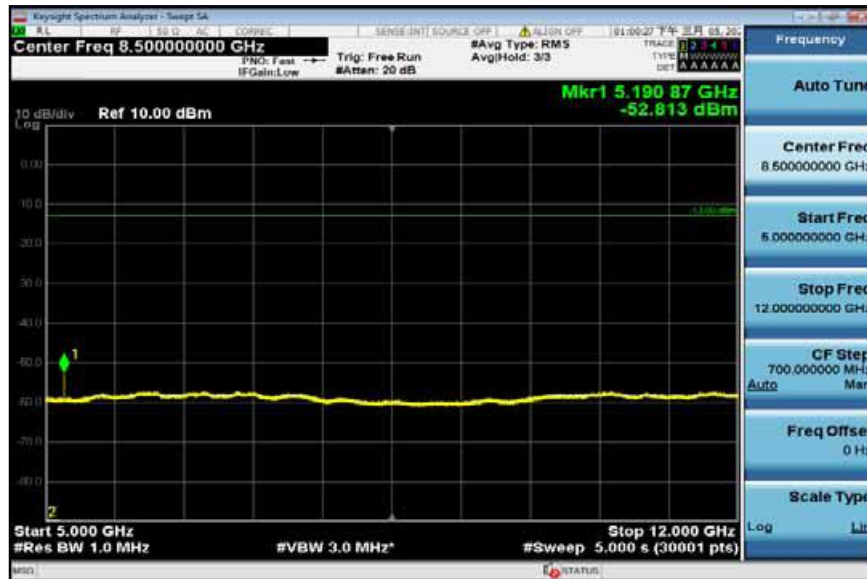




LTE Band 4 middle channel

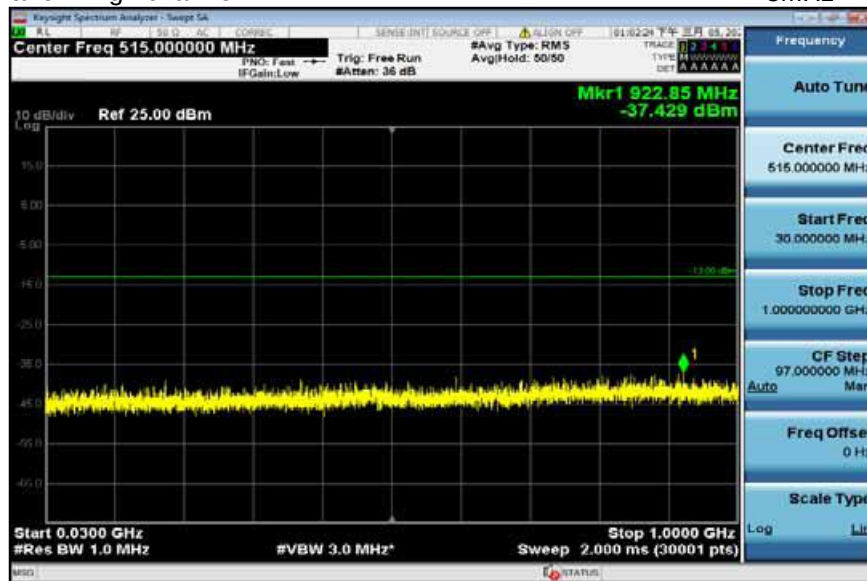
5MHz





LTE Band 4 high channel

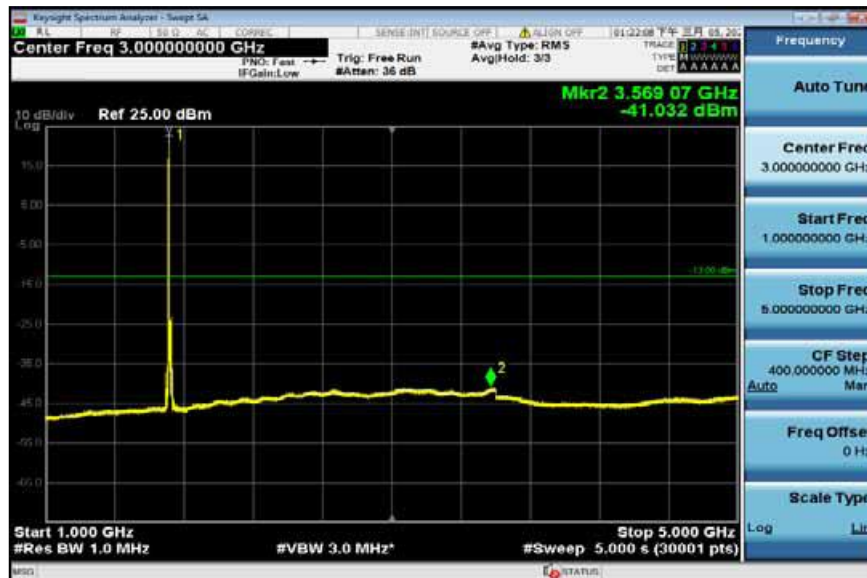
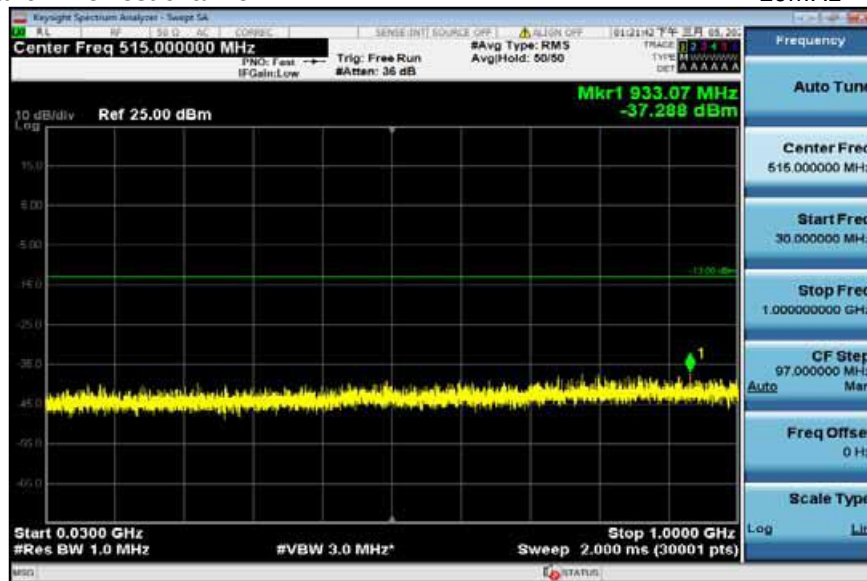
5MHz

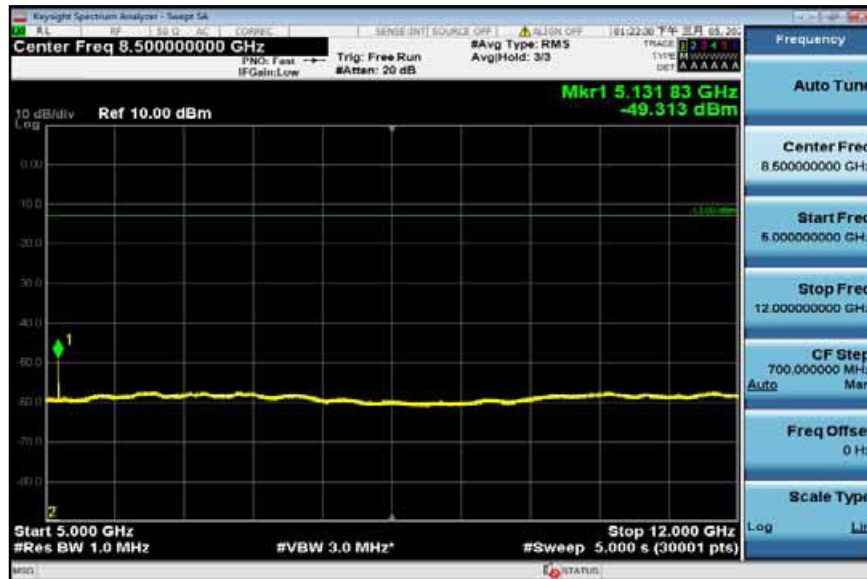




LTE Band 4 Lowest channel

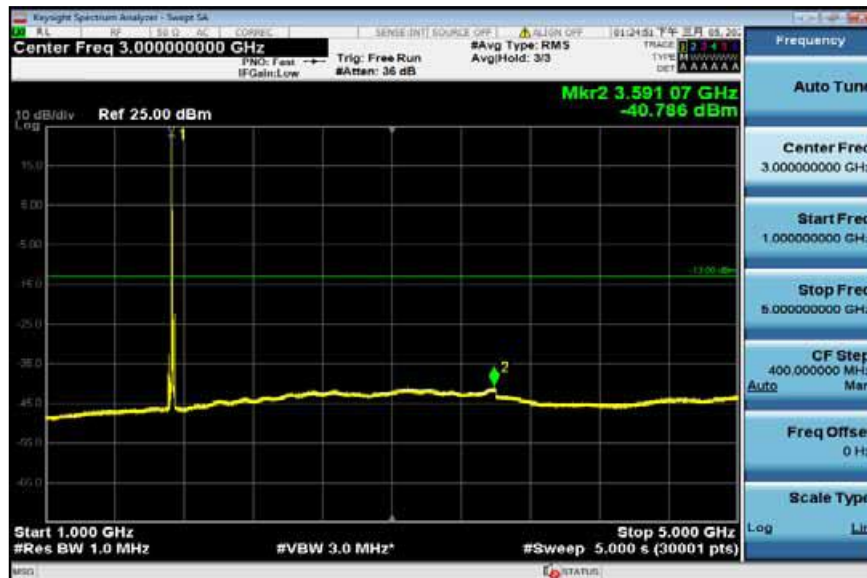
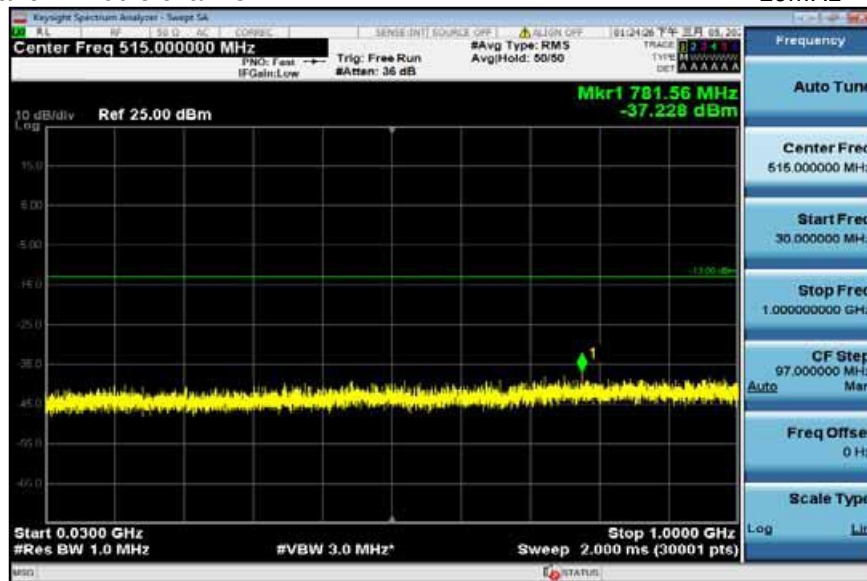
10MHz

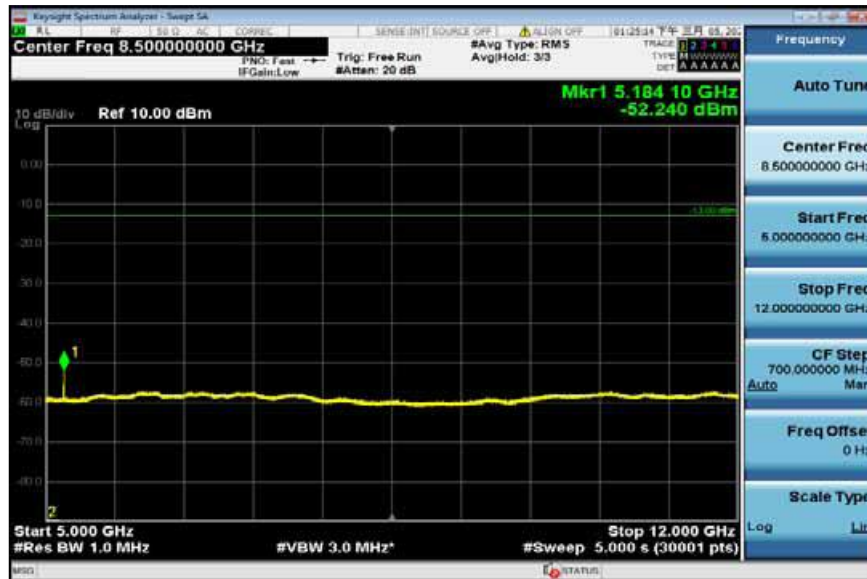




LTE Band 4 middle channel

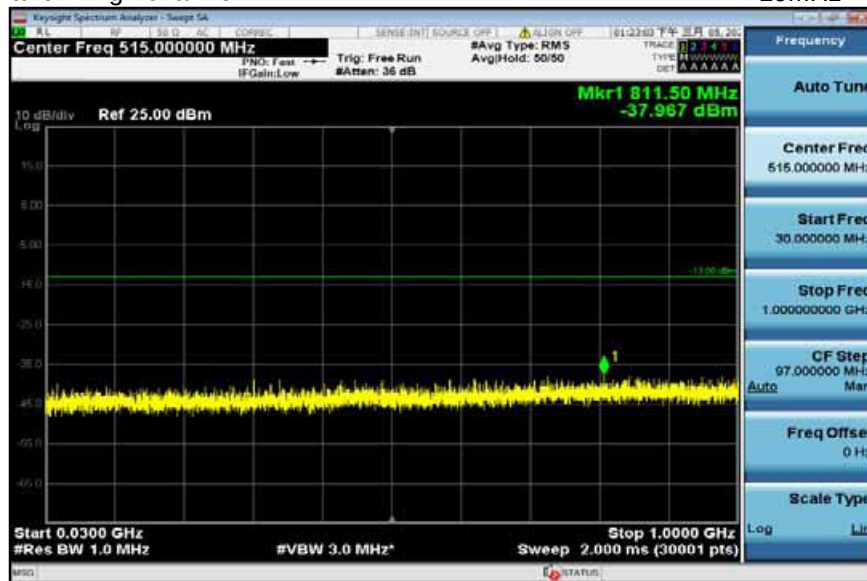
10MHz

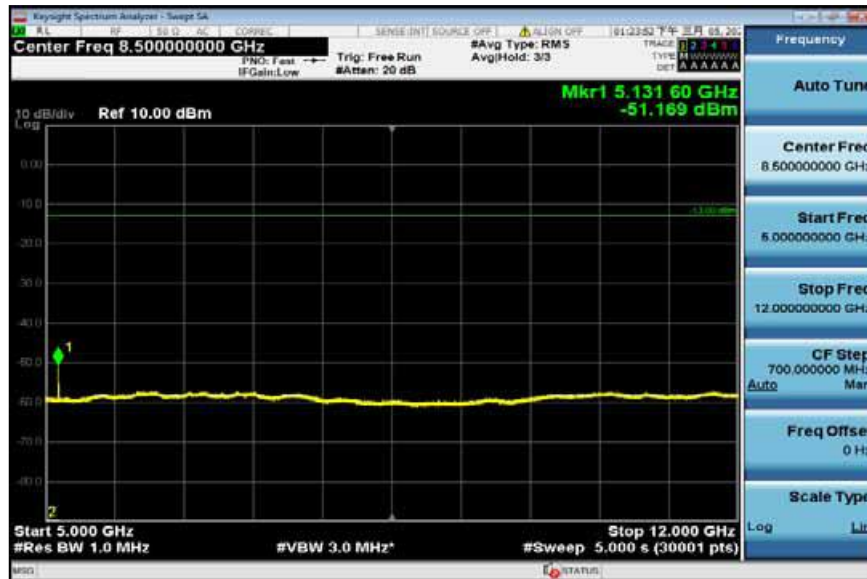




LTE Band 4 high channel

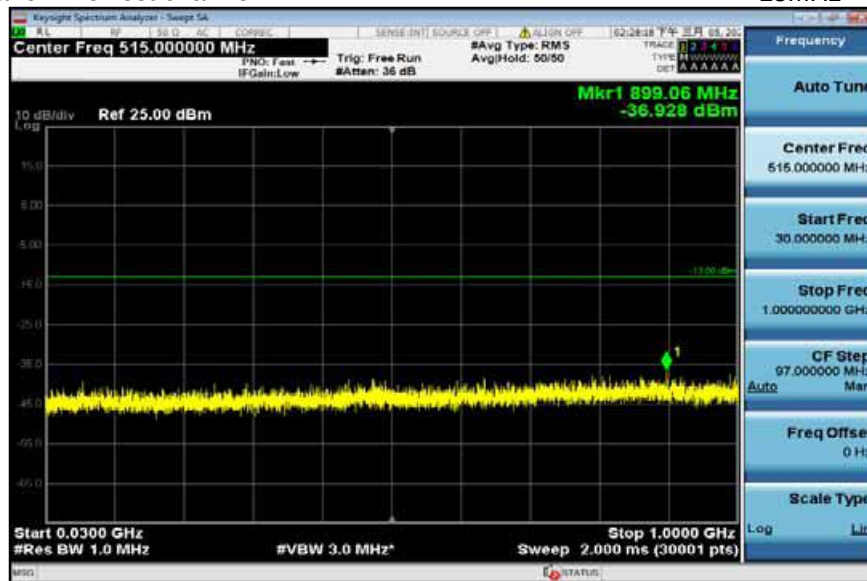
10MHz

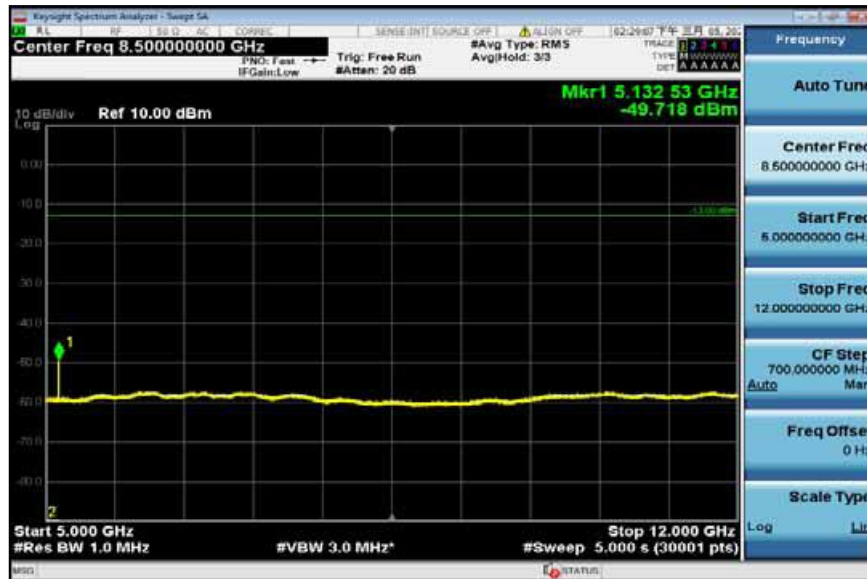




LTE Band 4 Lowest channel

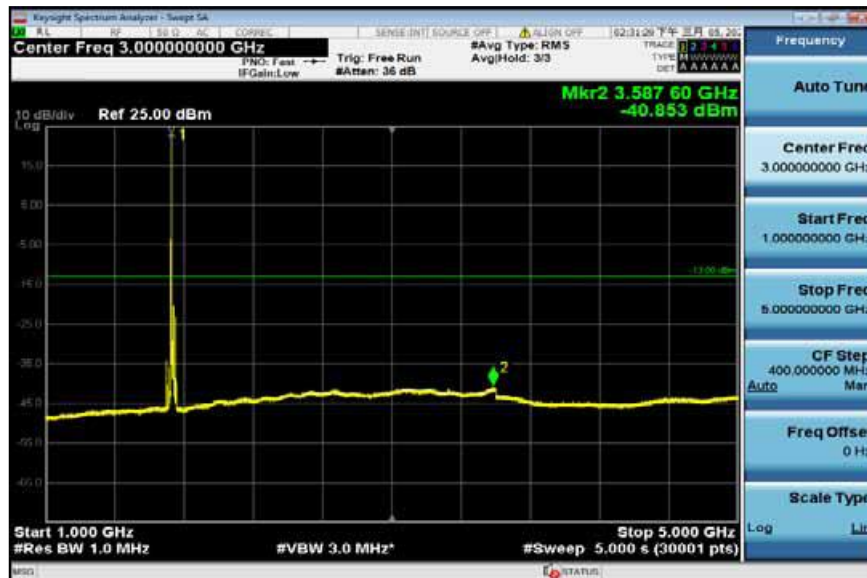
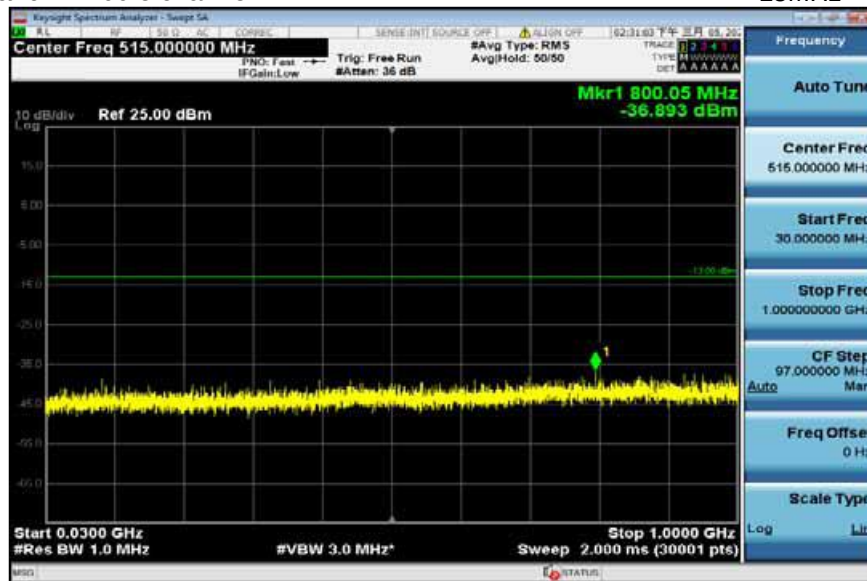
15MHz

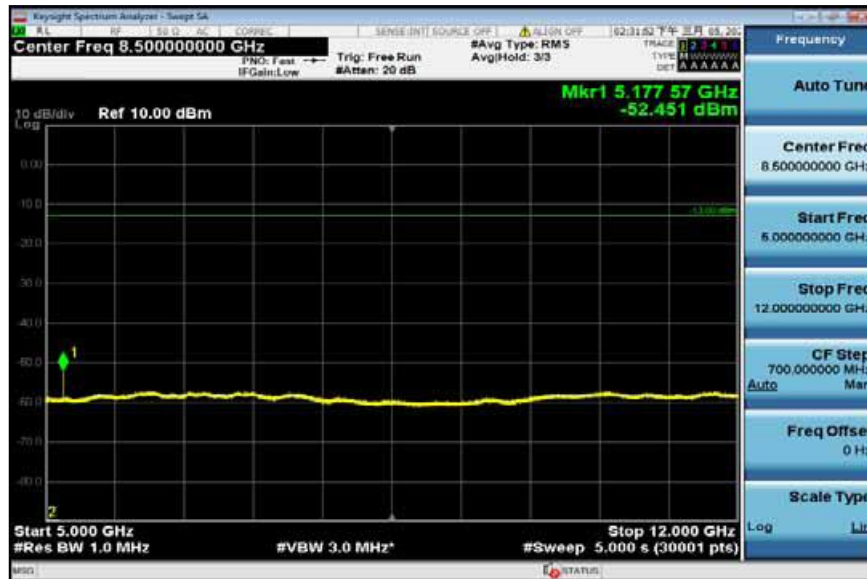




LTE Band 4 middle channel

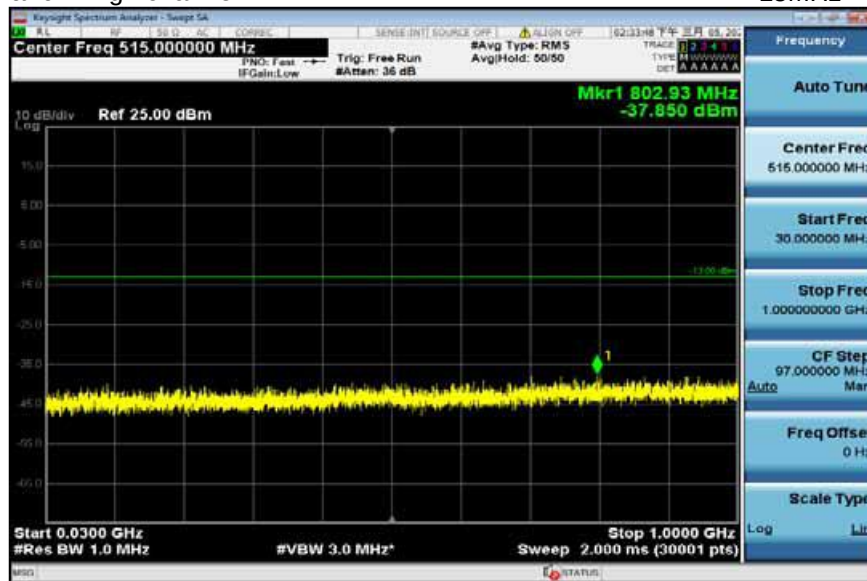
15MHz

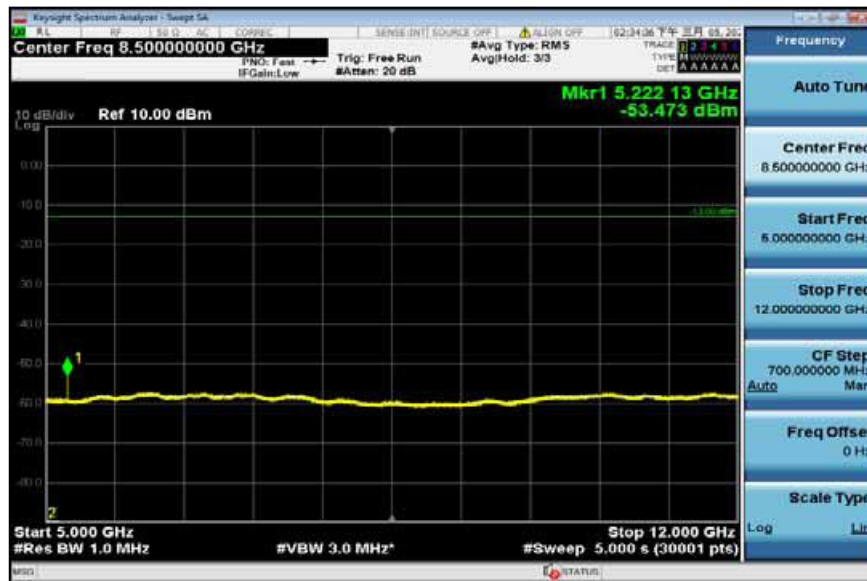




LTE Band 4 high channel

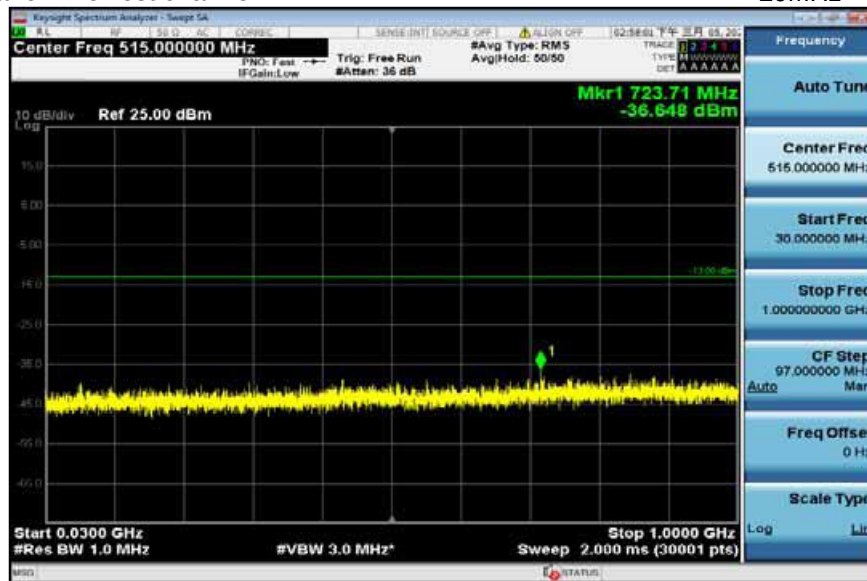
15MHz

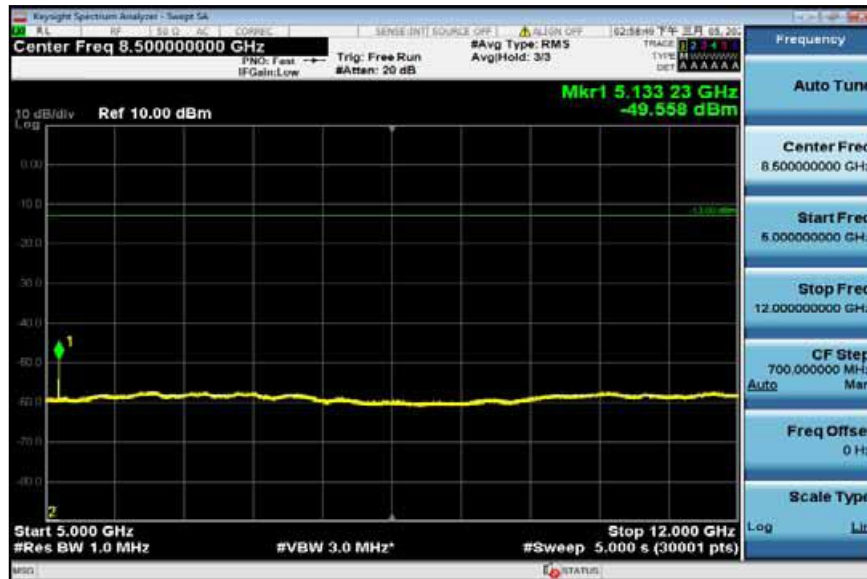




LTE Band 4 Lowest channel

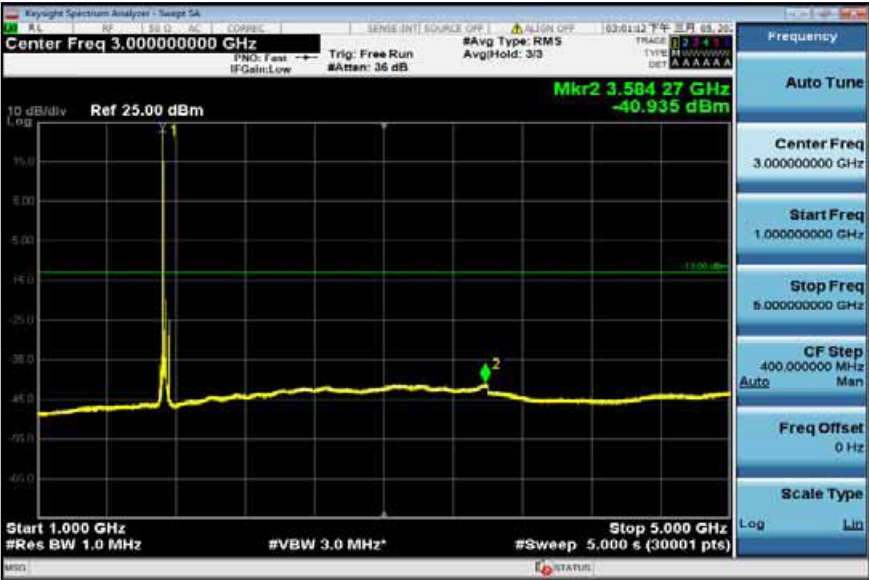
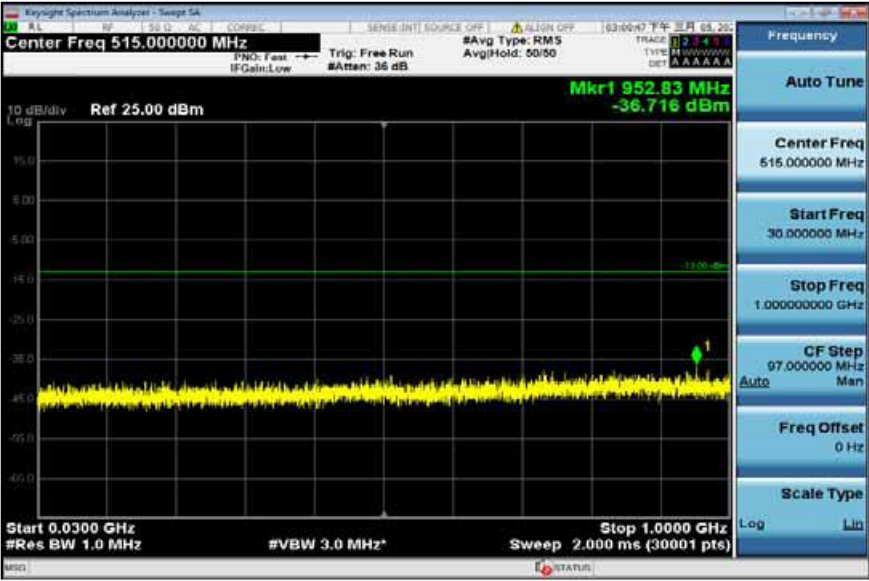
20MHz

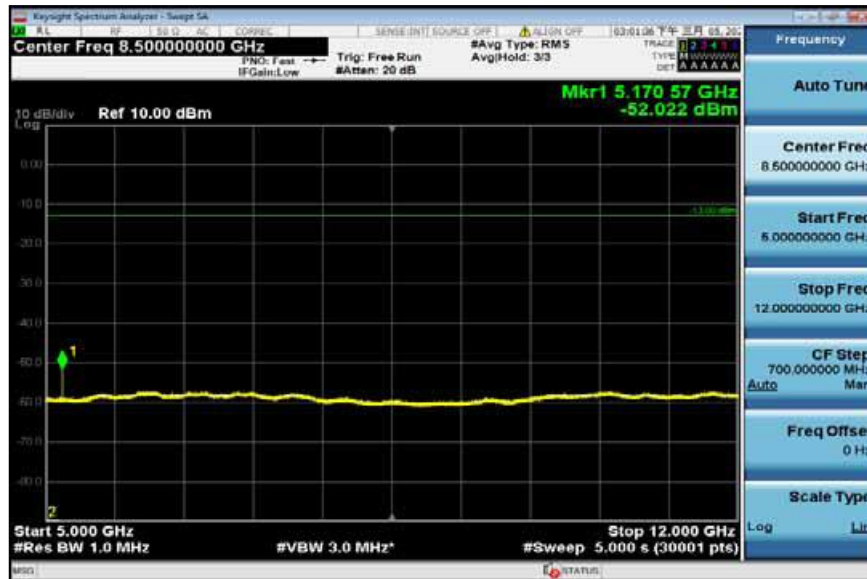




LTE Band 4 middle channel

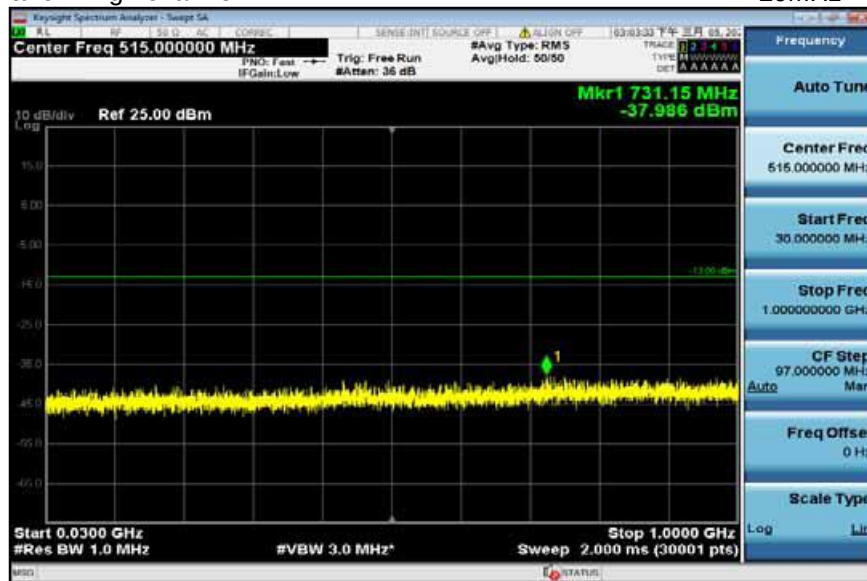
20MHz

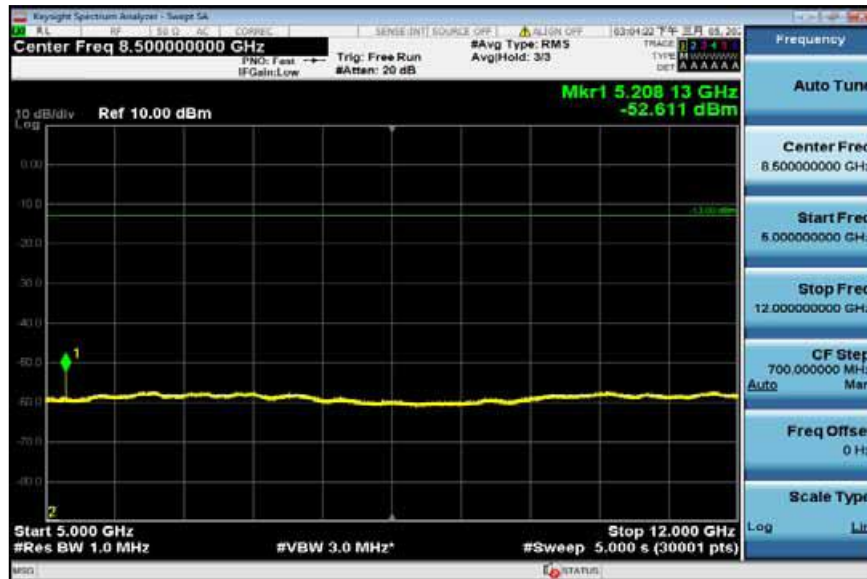


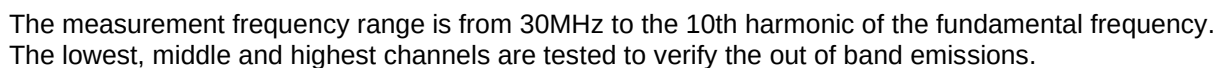


LTE Band 4 high channel

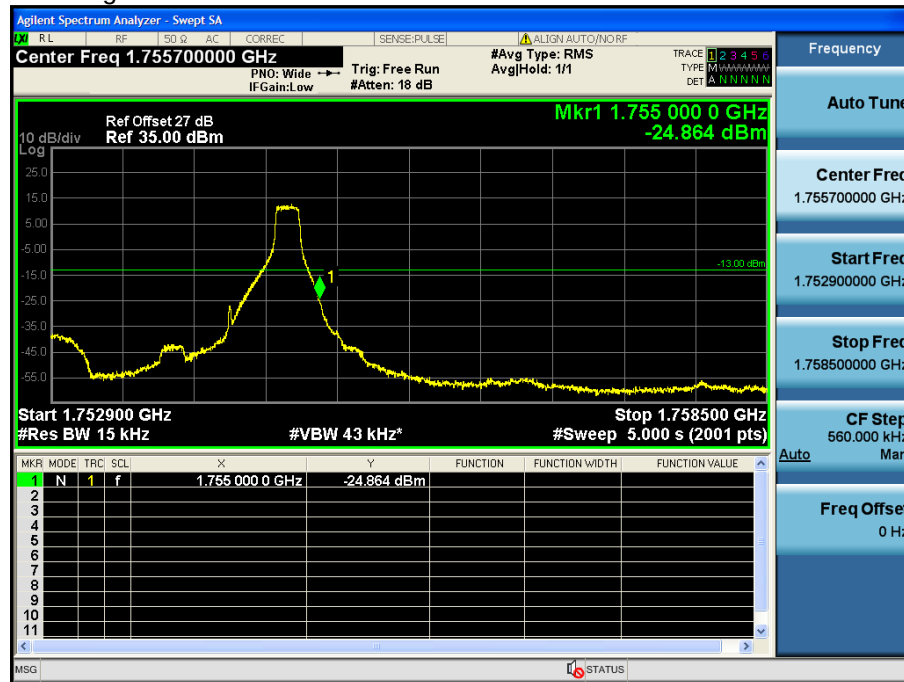
20MHz







1.4MHz 1RB



1.4MHz 6RB



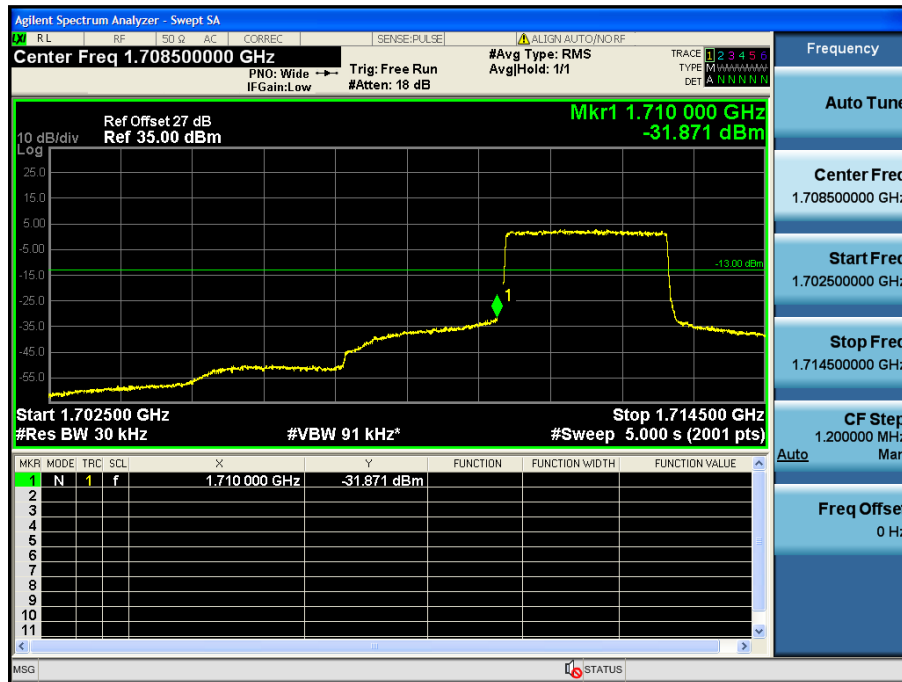
LTE Band 4 Lowest channel

3MHz 1RB



LTE Band 4 Lowest channel

3MHz 15RB



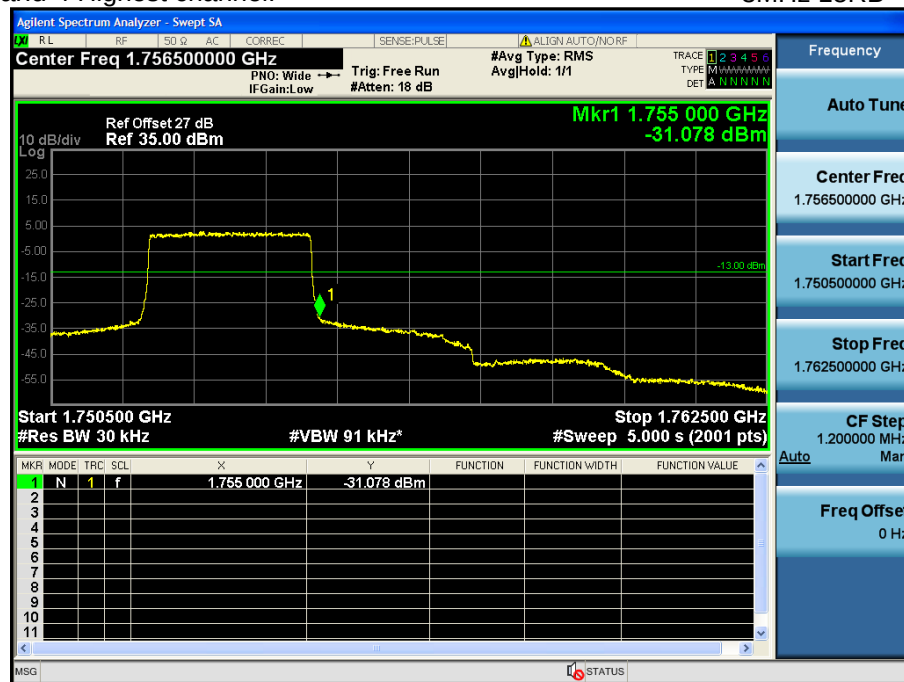
LTE Band 4 Highest channel:

3MHz 1RB



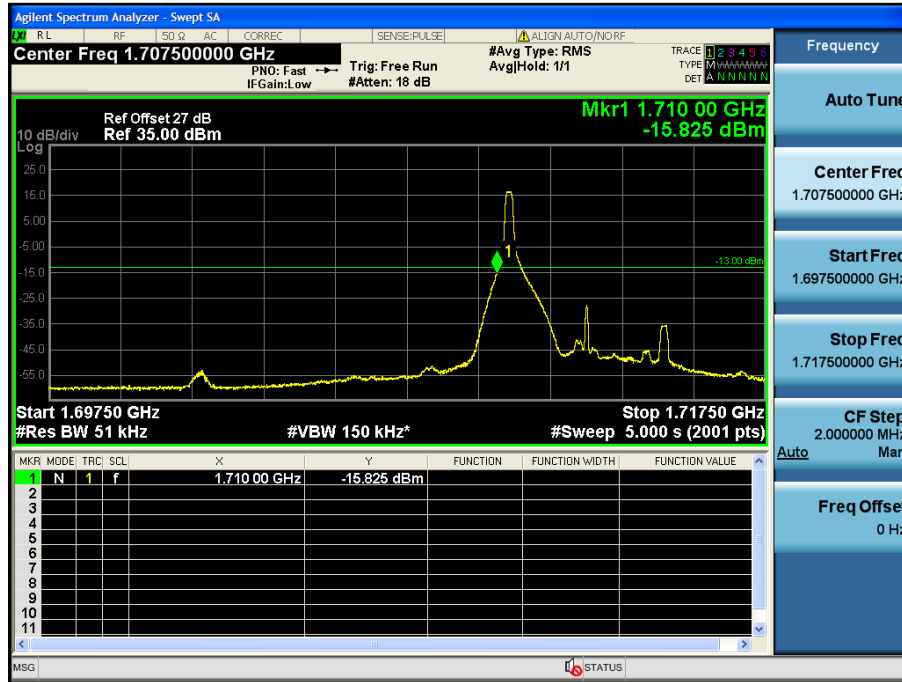
LTE Band 4 Highest channel:

3MHz 15RB



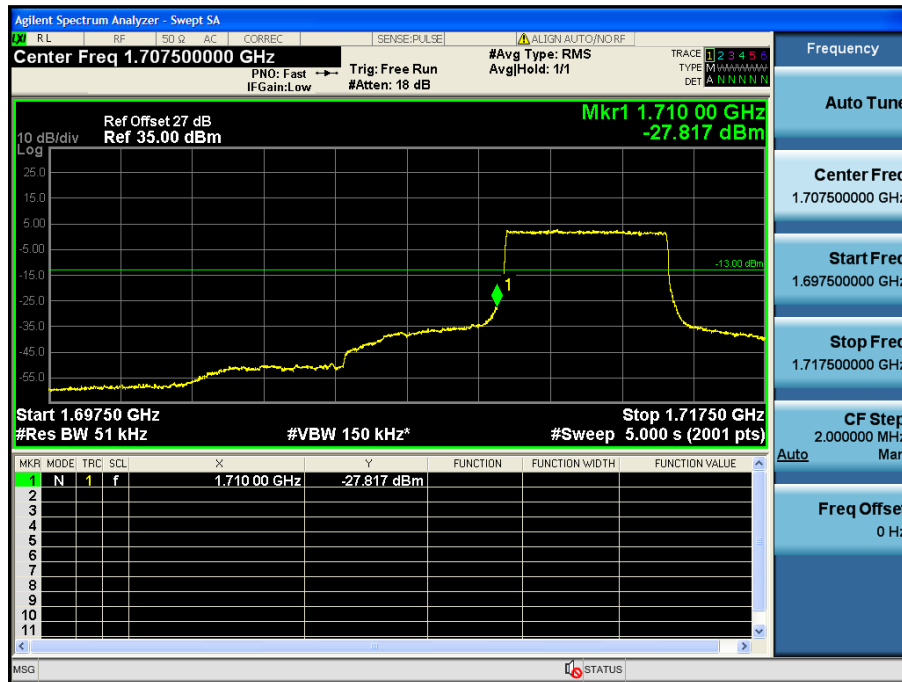
LTE Band 4 Lowest channel

5MHz 1RB



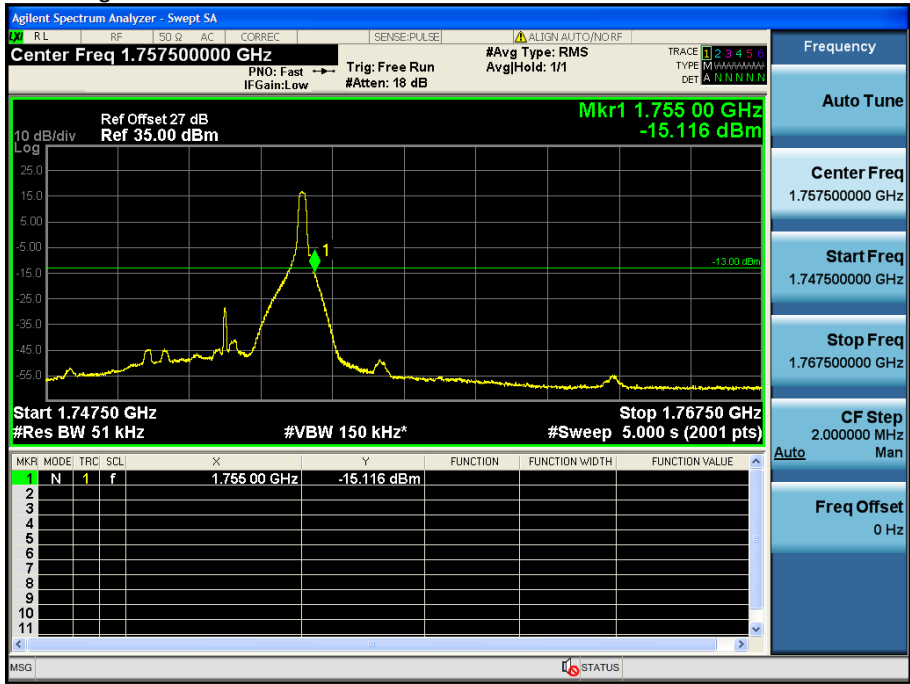
LTE Band 4 Lowest channel

5MHz 25RB



LTE Band 4 Highest channel:

5MHz 1RB

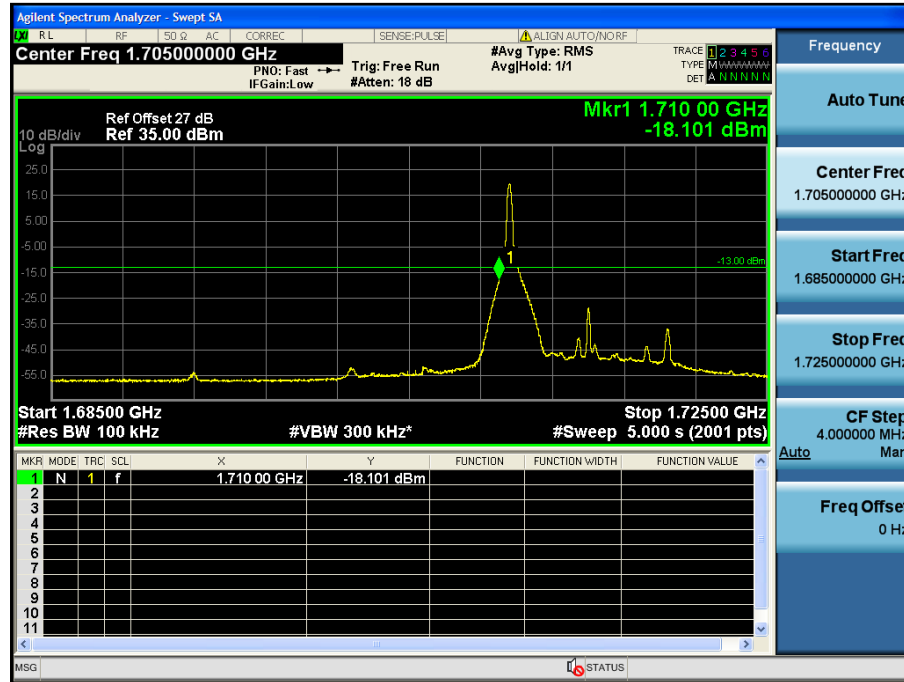


LTE Band 4 Highest channel:

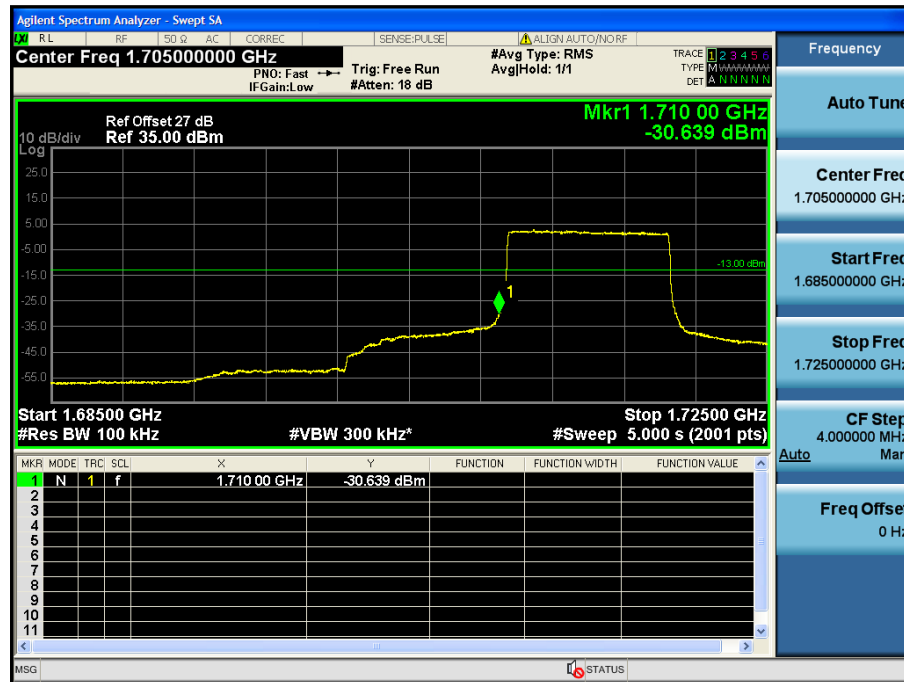
5MHz 25RB



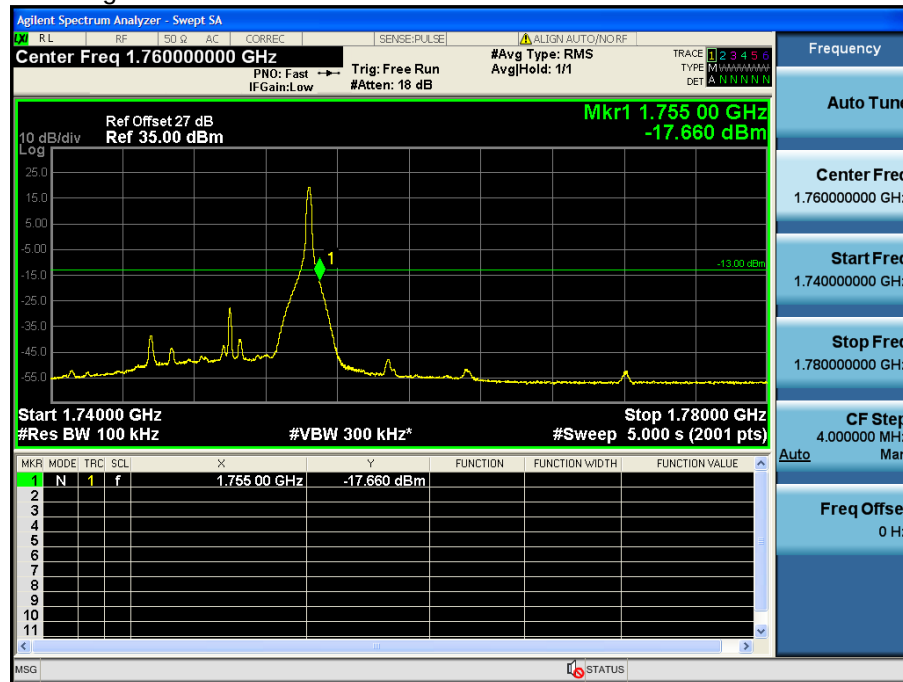
10MHz 1RB



10MHz 50RB



10MHz 1RB

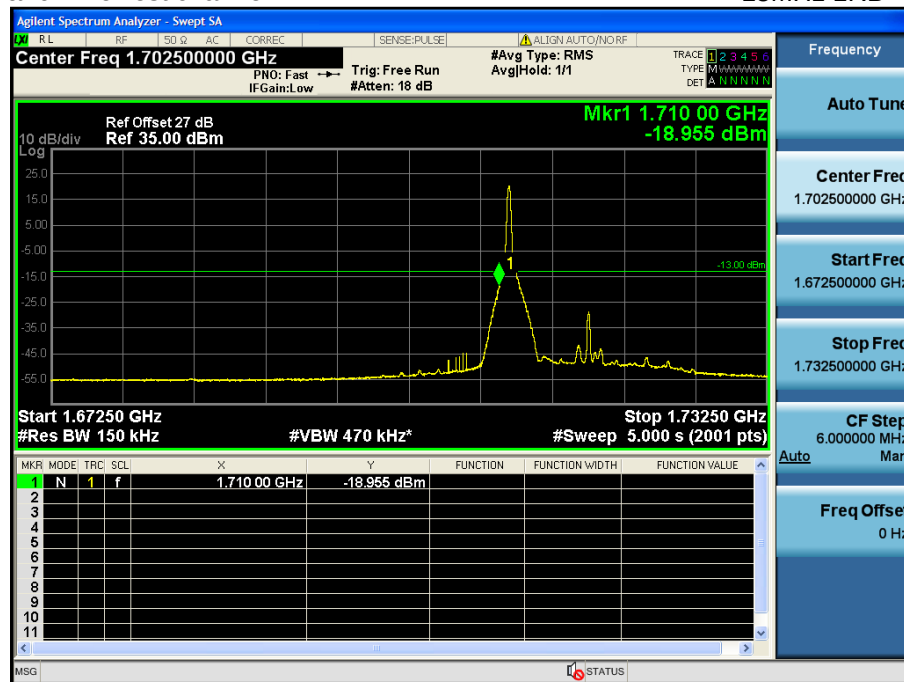


10MHz 50RB



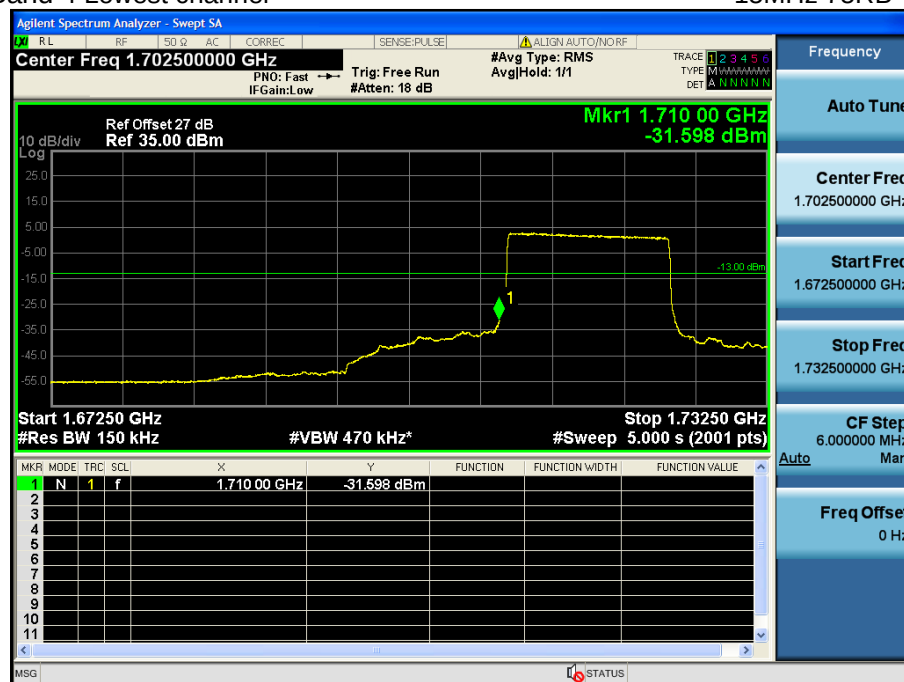
LTE Band 4 Lowest channel

15MHz 1RB

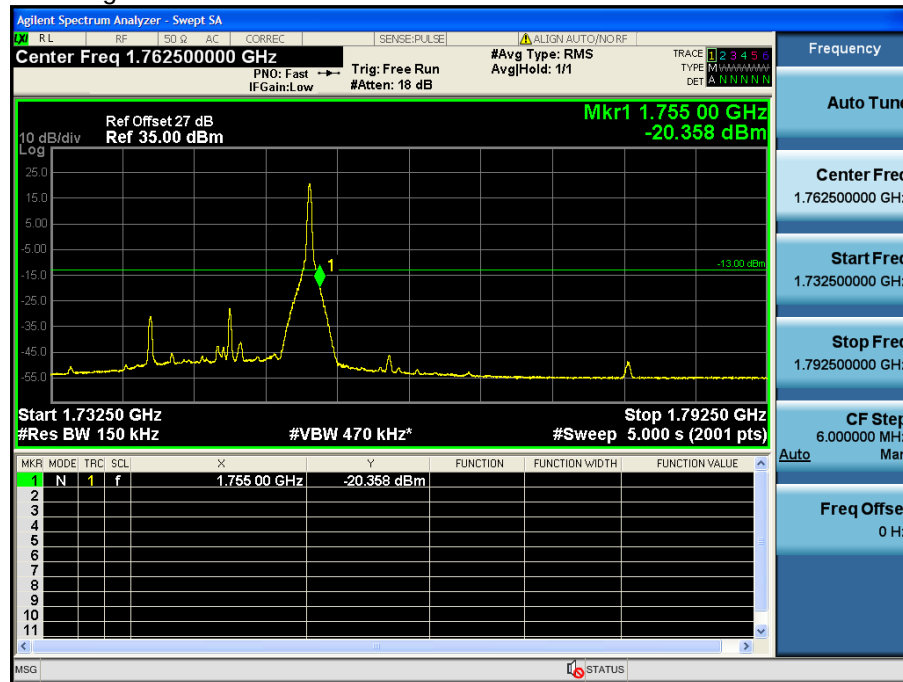


LTE Band 4 Lowest channel

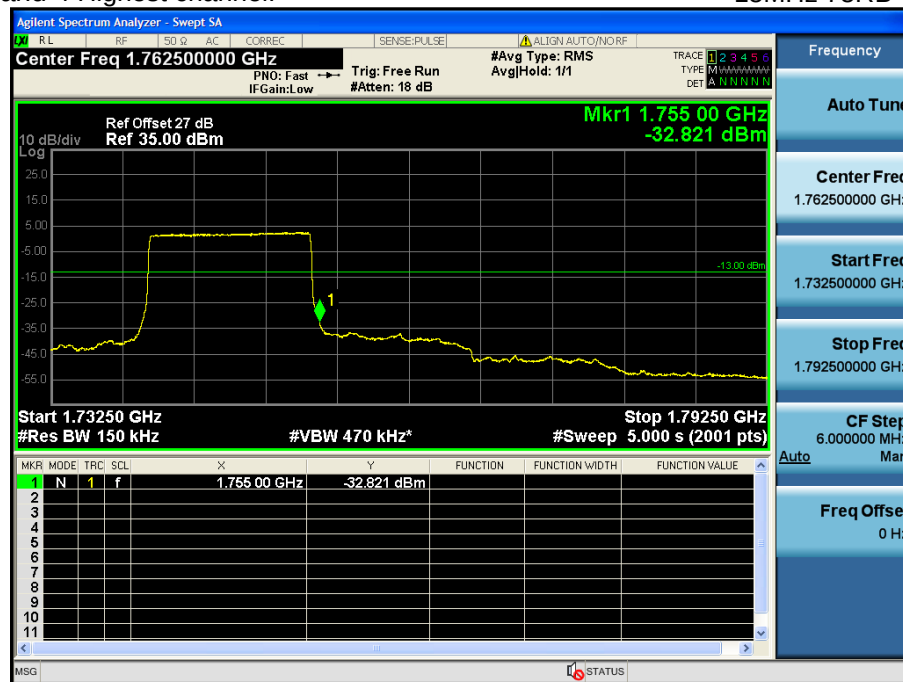
15MHz 75RB



15MHz 1RB

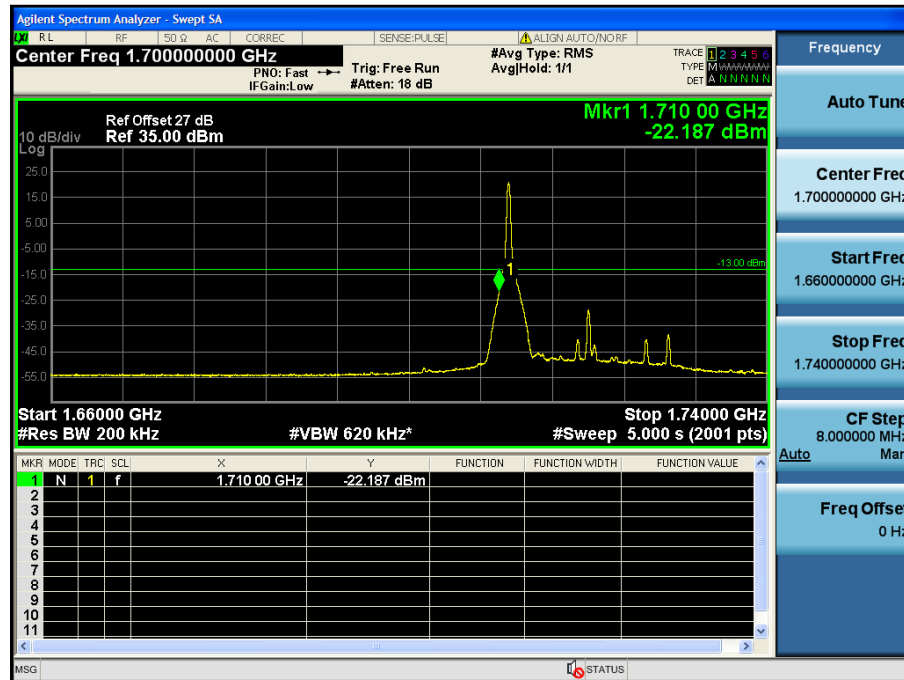


15MHz 75RB



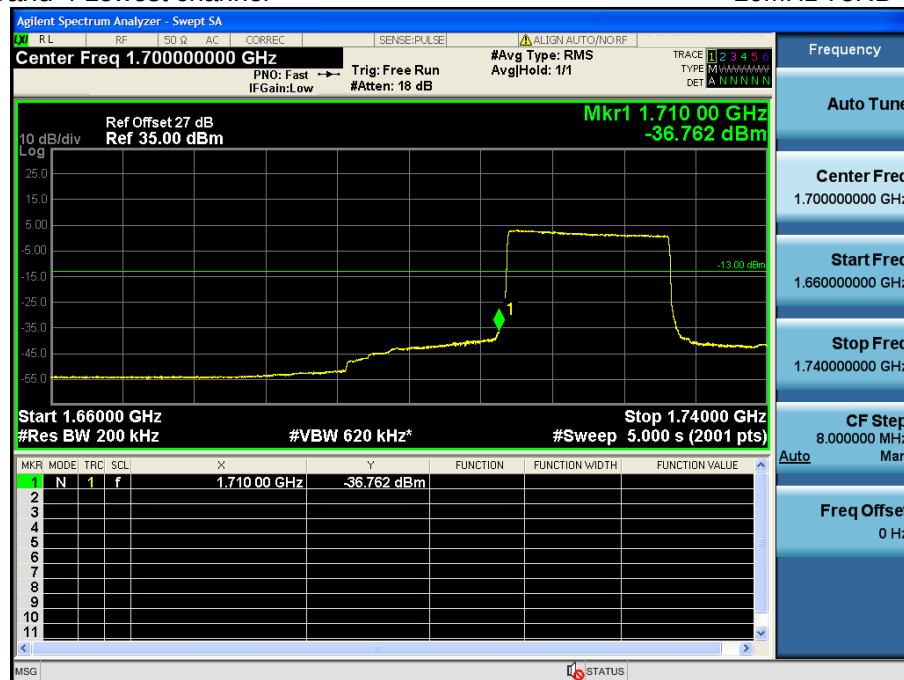
LTE Band 4 Lowest channel

20MHz 1RB



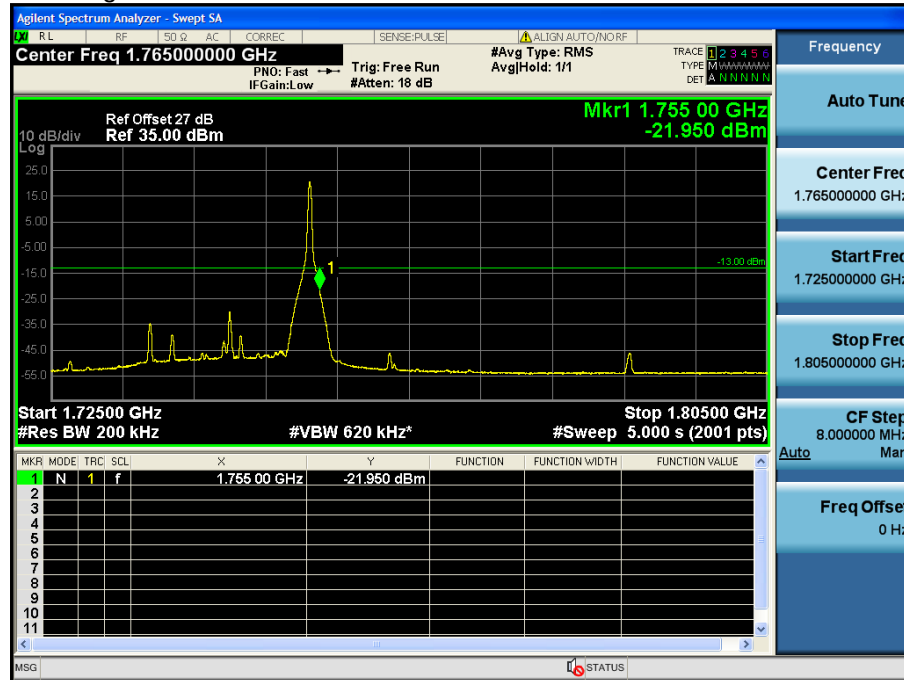
LTE Band 4 Lowest channel

20MHz 75RB



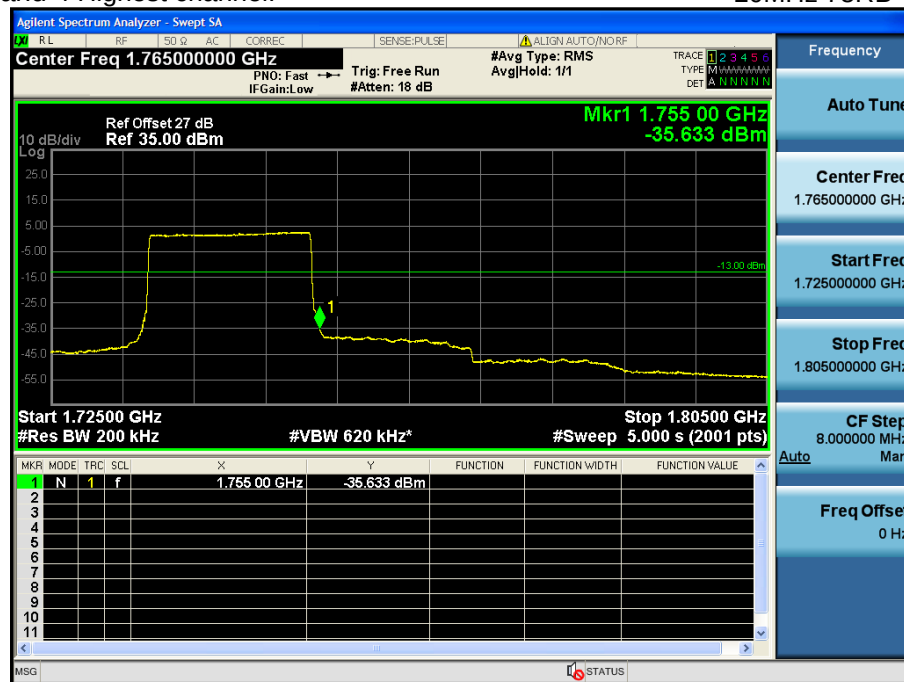
LTE Band 4 Highest channel:

20MHz 1RB



LTE Band 4 Highest channel:

20MHz 75RB



***** END *****