

FCC Test Report

ANNEX 5 LTE BAND 5

FCC ID: 2A6DV-HPAD

Applicant:	CHINA HAINERGY NEW ENERGY CORP., LTD
Address:	Unit 1908, 19/F., Harbour Centre, 25 Harbour Road, Wan Chai, Hong Kong, China.
Manufacturer:	CHINA HAINERGY NEW ENERGY CORP., LTD
Address:	Unit 1908, 19/F., Harbour Centre, 25 Harbour Road, Wan Chai, Hong Kong, China.
EUT:	Tablet
Trade Mark:	Haitech
Model Number:	HPAD-M2
Date of Receipt:	Apr. 13, 2022
Test Date:	Apr. 13, 2022 – Apr. 22, 2022
Date of Report:	Apr. 22, 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-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

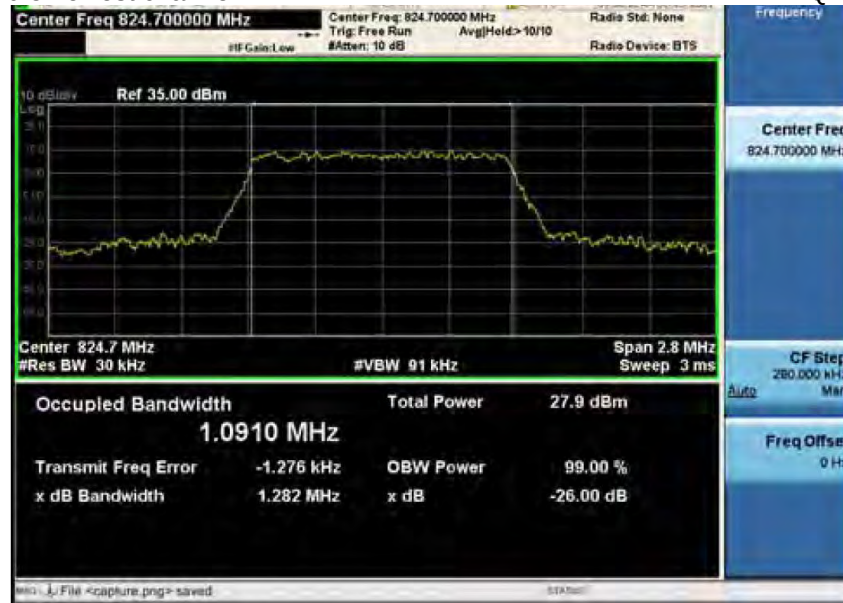
EUT Mode Bandwidth	Modulation	Frequency (MHz)	99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
LTE Band 5 1.4MHz	QPSK	824.7	1.09	1.28
		836.5	1.10	1.28
		848.3	1.10	1.27
LTE Band 5 1.4 MHz	16-QAM	824.7	1.10	1.27
		836.5	1.10	1.28
		848.3	1.10	1.28
LTE Band 5 3 MHz	QPSK	825.5	2.69	2.99
		836.5	2.69	2.97
		847.5	2.69	2.99
LTE Band 5 3 MHz	16-QAM	825.5	2.69	2.99
		836.5	2.69	2.97
		847.5	2.69	2.98
LTE Band 5 5 MHz	QPSK	826.5	4.50	4.93
		836.5	4.50	4.92
		846.5	4.49	4.91
LTE Band 5 5 MHz	16-QAM	826.5	4.50	4.92
		836.5	4.50	4.90
		846.5	4.49	4.91
LTE Band 5 10 MHz	QPSK	829	8.97	9.72
		836.5	8.98	9.76
		844	8.99	9.71
LTE Band 5 10 MHz	16-QAM	829	8.95	9.64
		836.5	8.97	9.74
		844	8.99	9.71

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

Test plot as follows:

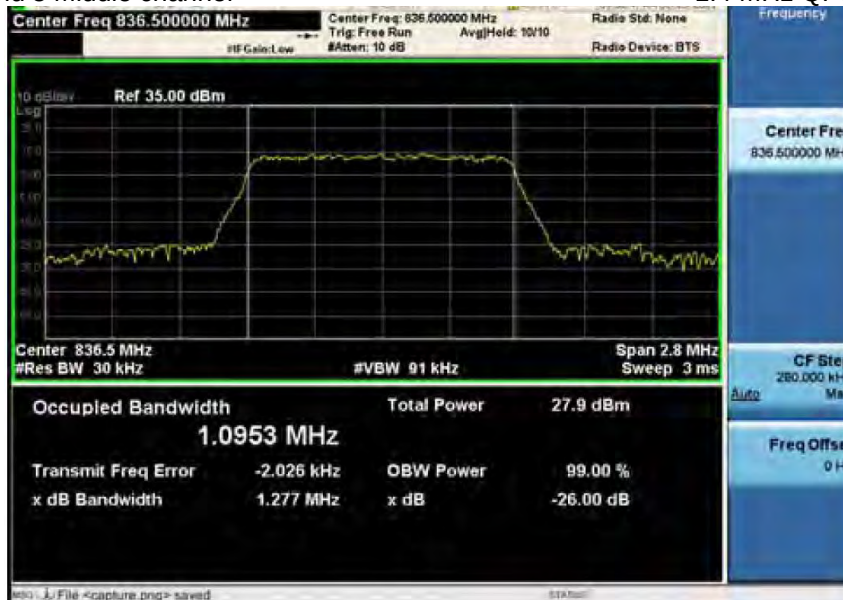
LTE Band 5 Lowest channel

1.4 MHz QPSK



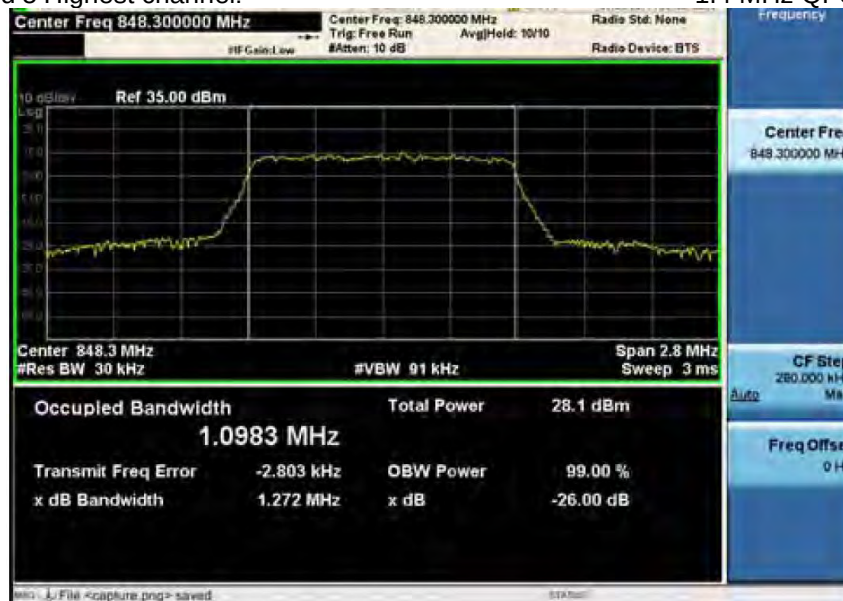
LTE Band 5 Middle channel

1.4 MHz QPSK



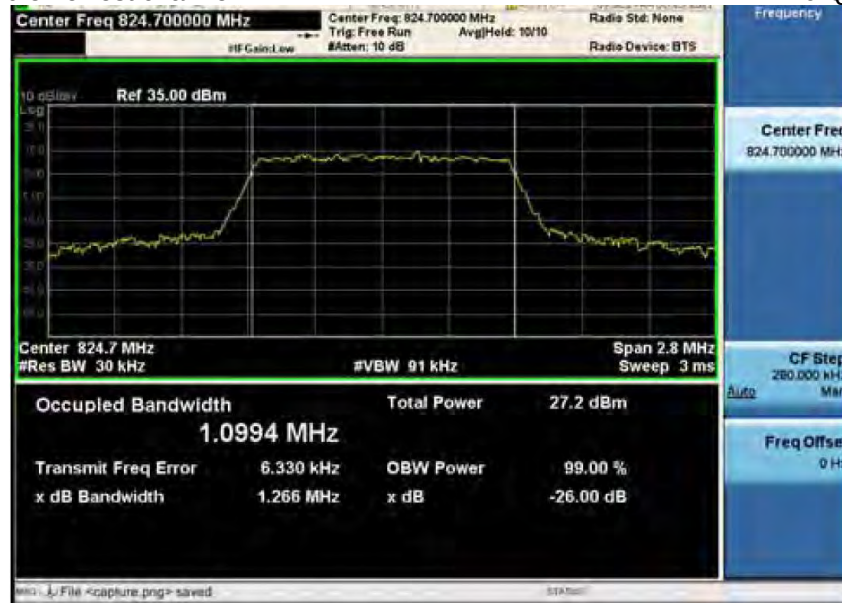
LTE Band 5 Highest channel:

1.4 MHz QPSK



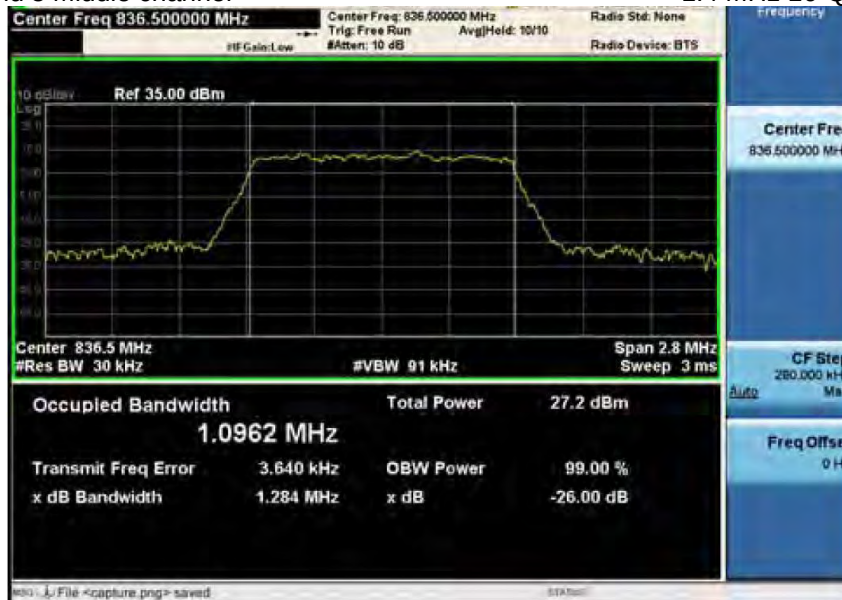
LTE Band 5 Lowest channel

1.4 MHz 16-QAM



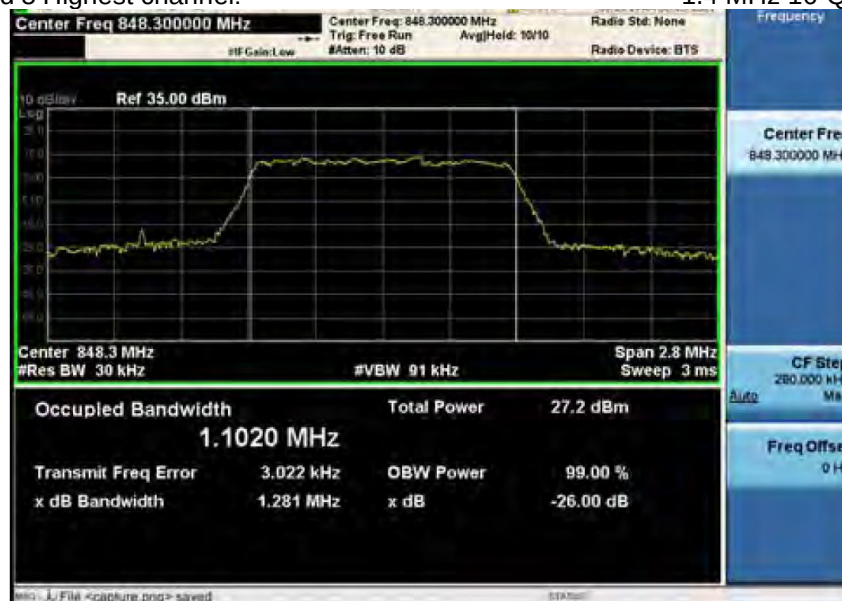
LTE Band 5 Middle channel

1.4 MHz 16-QAM



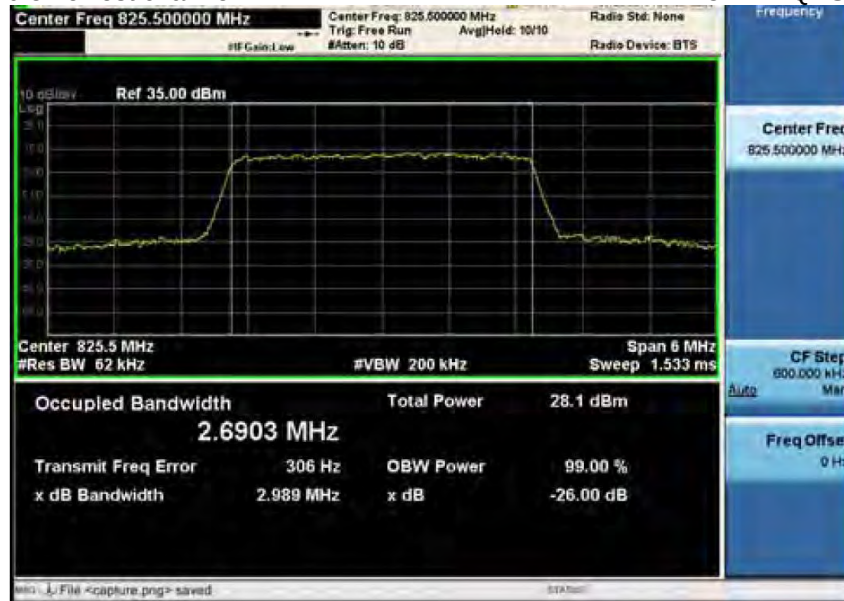
LTE Band 5 Highest channel:

1.4 MHz 16-QAM



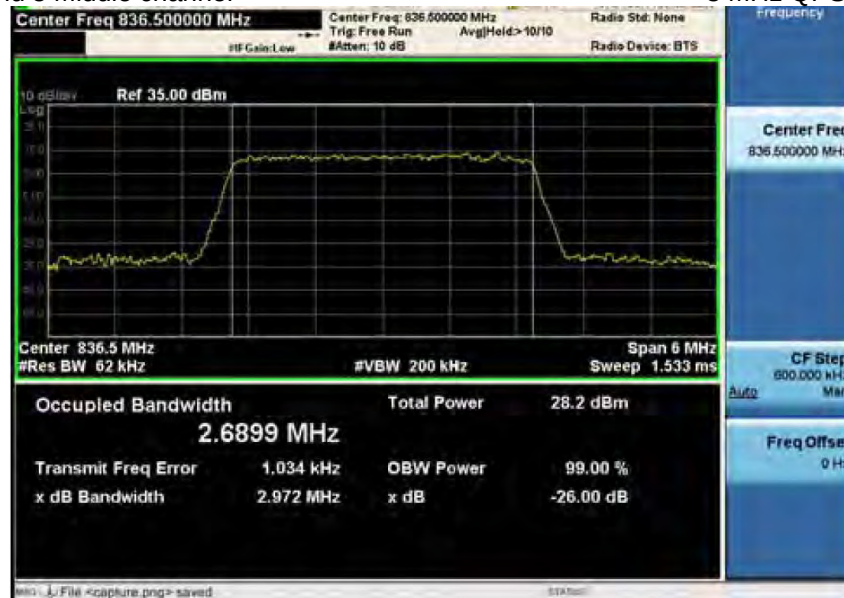
LTE Band 5 Lowest channel

3 MHz QPSK



LTE Band 5 Middle channel

3 MHz QPSK



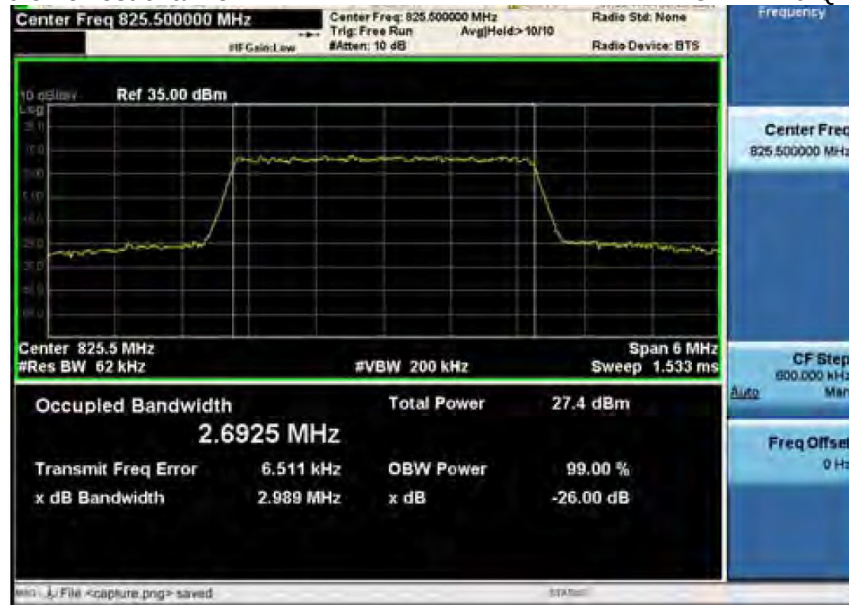
LTE Band 5 Highest channel:

3 MHz QPSK



LTE Band 5 Lowest channel

3 MHz 16-QAM



LTE Band 5 Middle channel

3 MHz 16-QAM



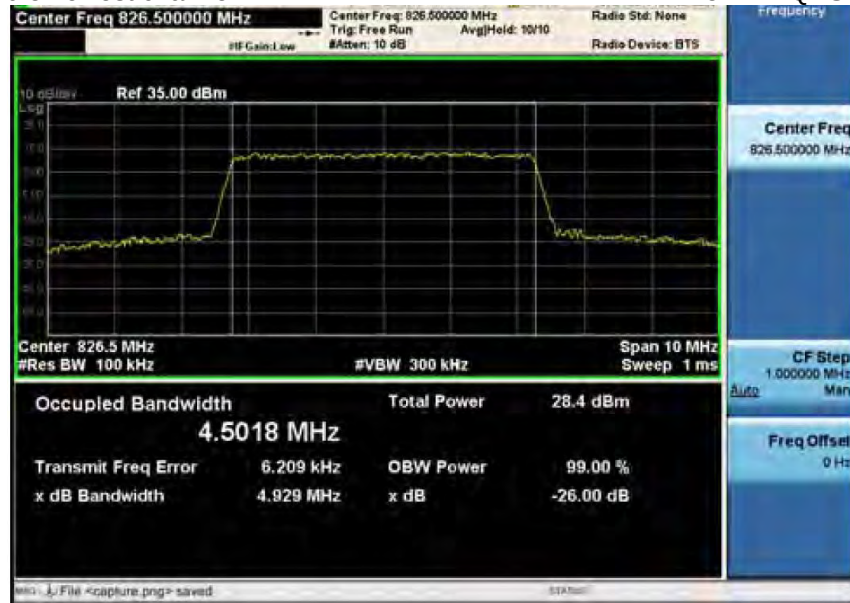
LTE Band 5 Highest channel:

3 MHz 16-QAM



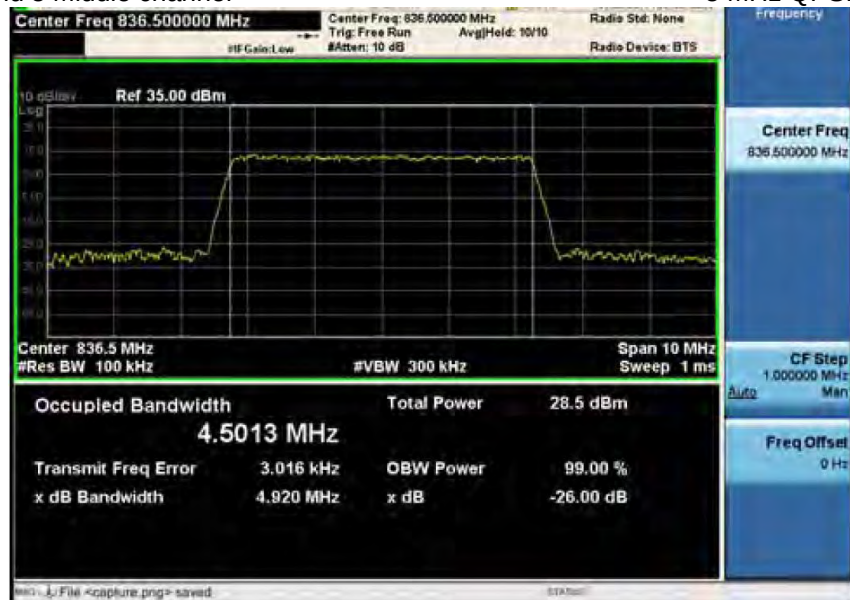
LTE Band 5 Lowest channel

5 MHz QPSK



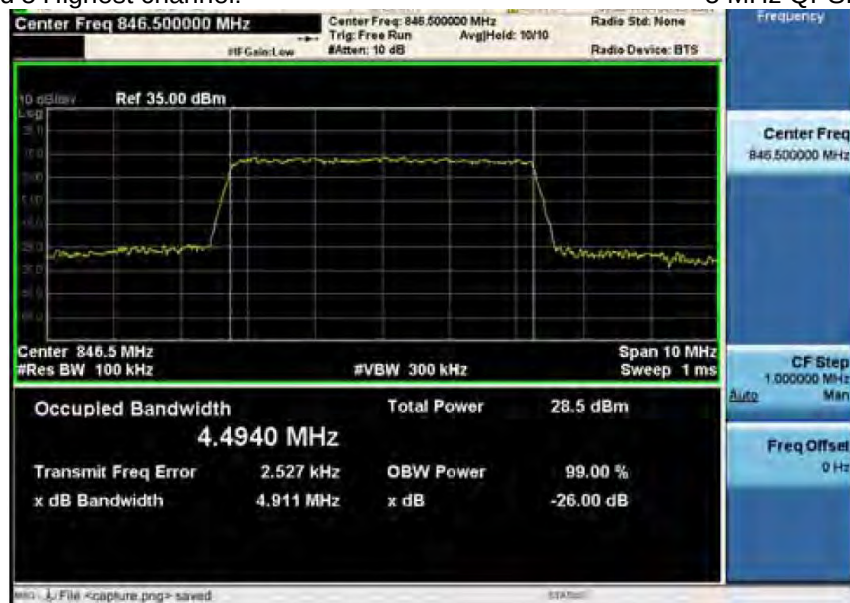
LTE Band 5 Middle channel

5 MHz QPSK



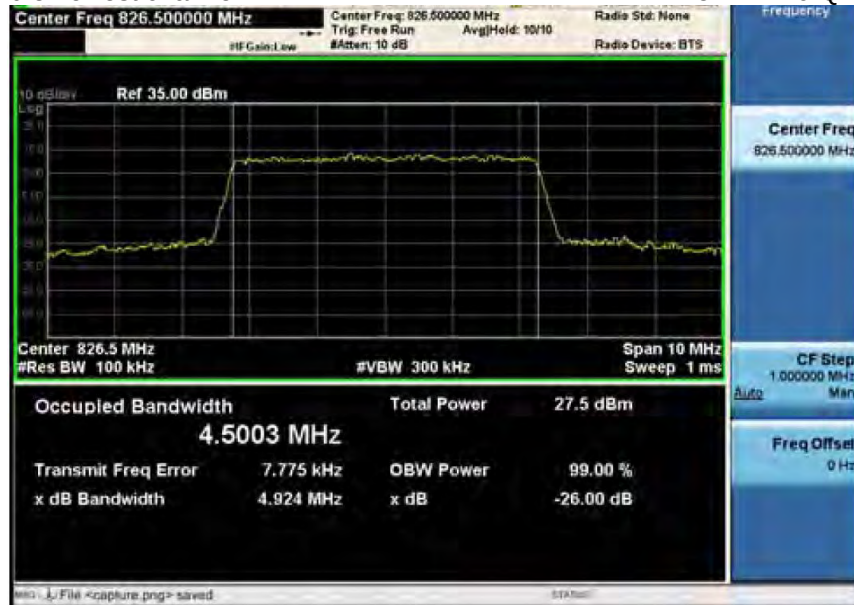
LTE Band 5 Highest channel:

5 MHz QPSK



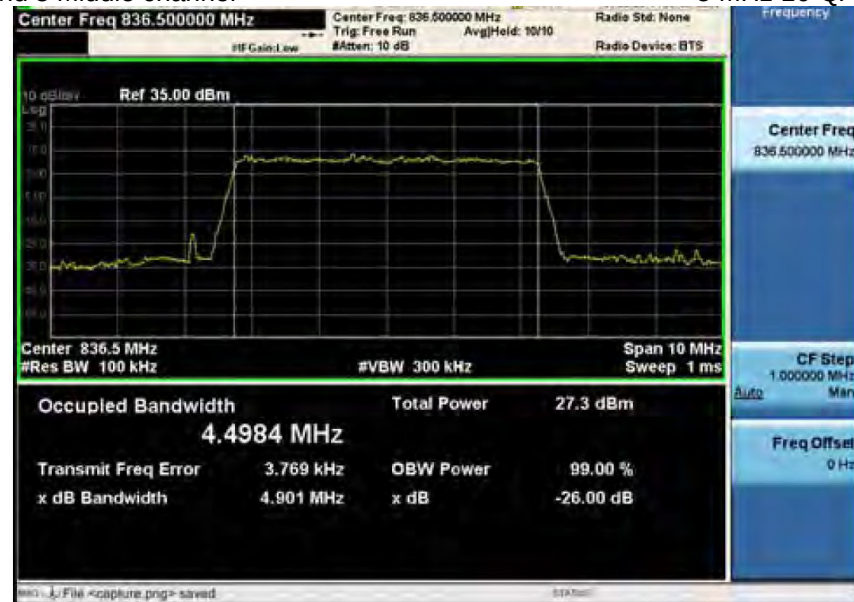
LTE Band 5 Lowest channel

5 MHz 16-QAM



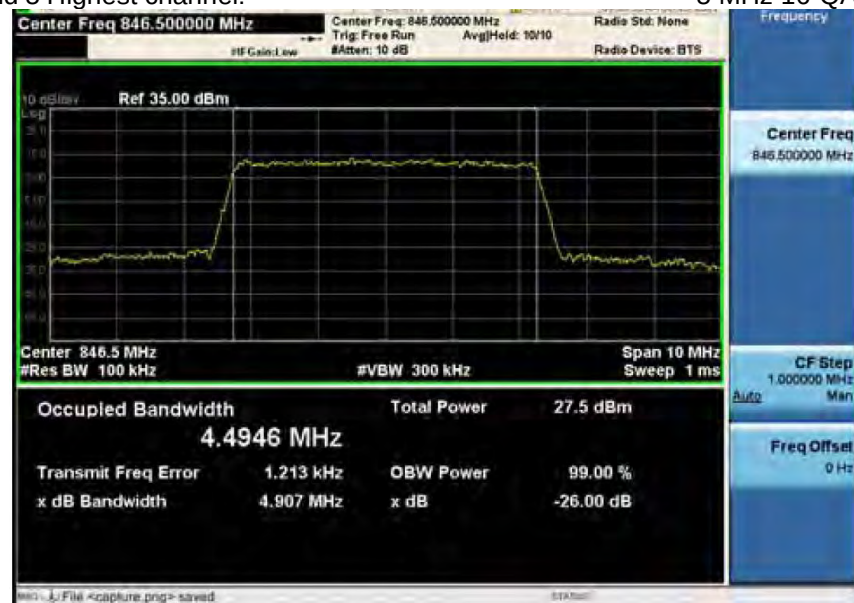
LTE Band 5 Middle channel

5 MHz 16-QAM



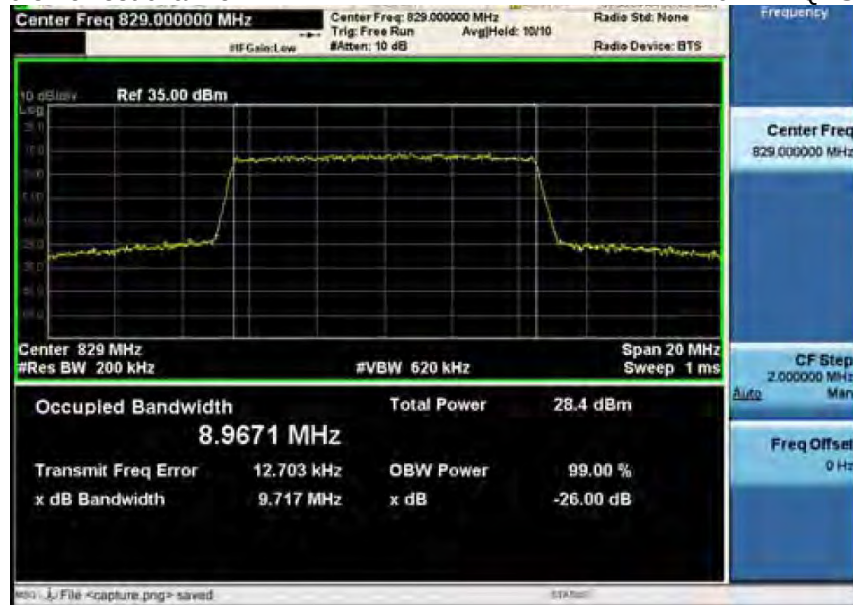
LTE Band 5 Highest channel:

5 MHz 16-QAM



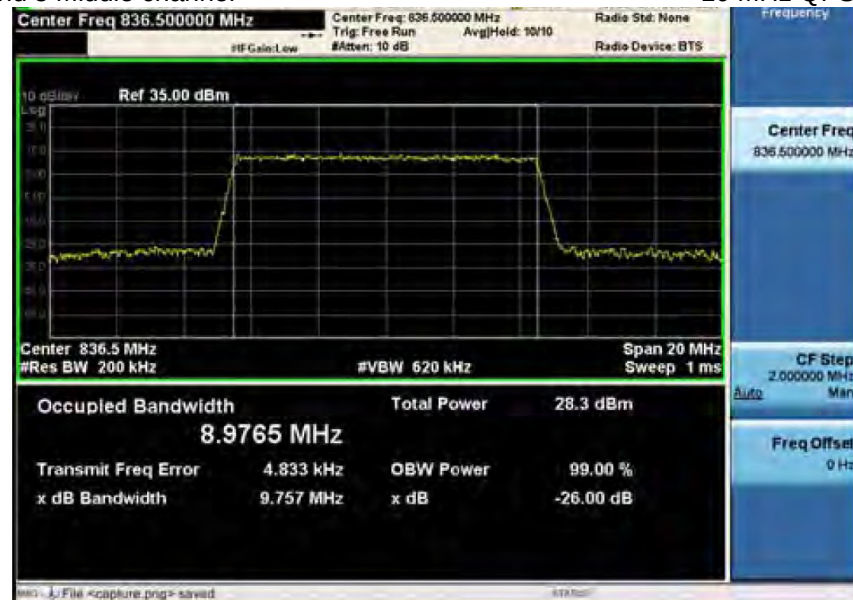
LTE Band 5 Lowest channel

10 MHz QPSK



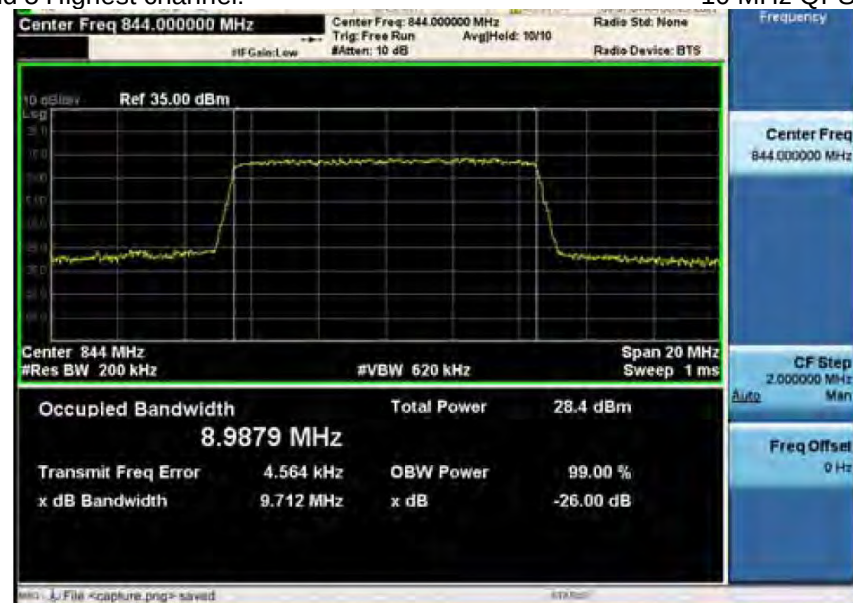
LTE Band 5 Middle channel

10 MHz QPSK



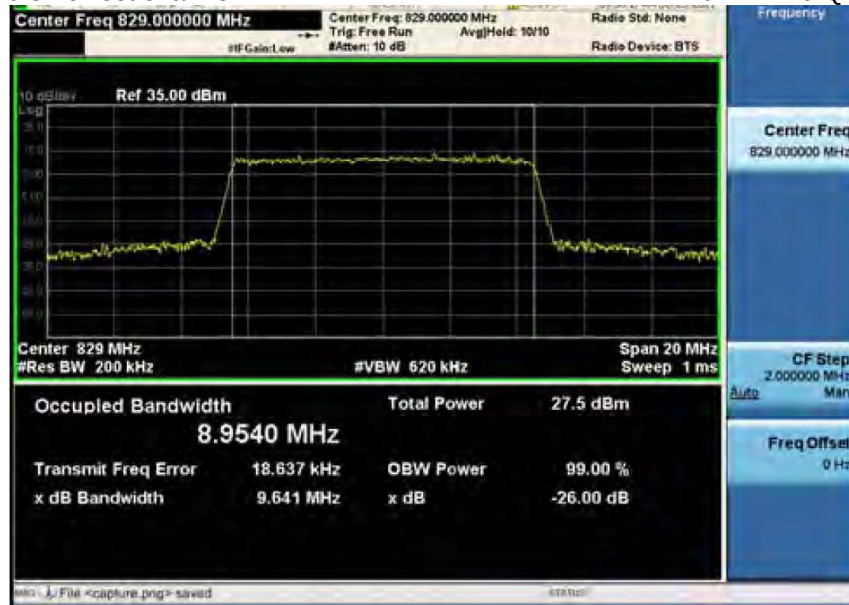
LTE Band 5 Highest channel:

10 MHz QPSK



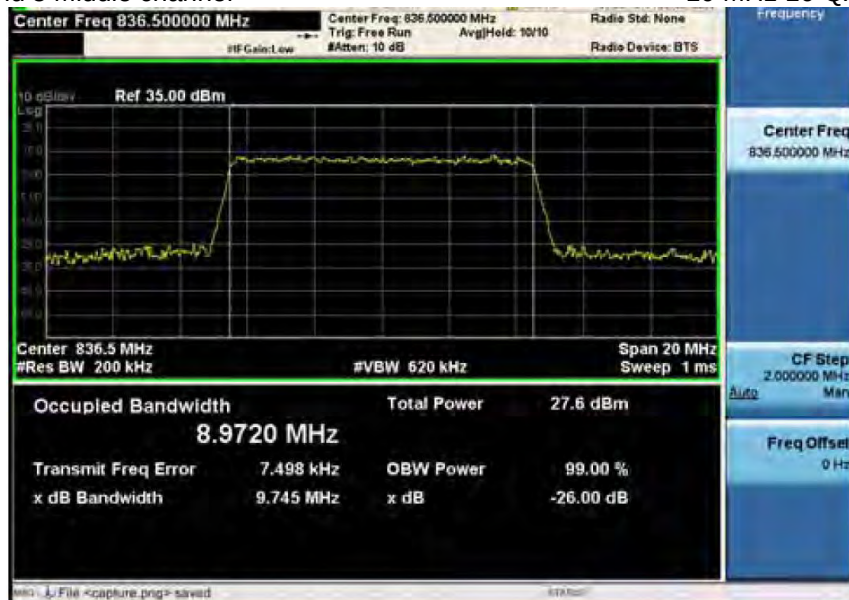
LTE Band 5 Lowest channel

10 MHz 16-QAM



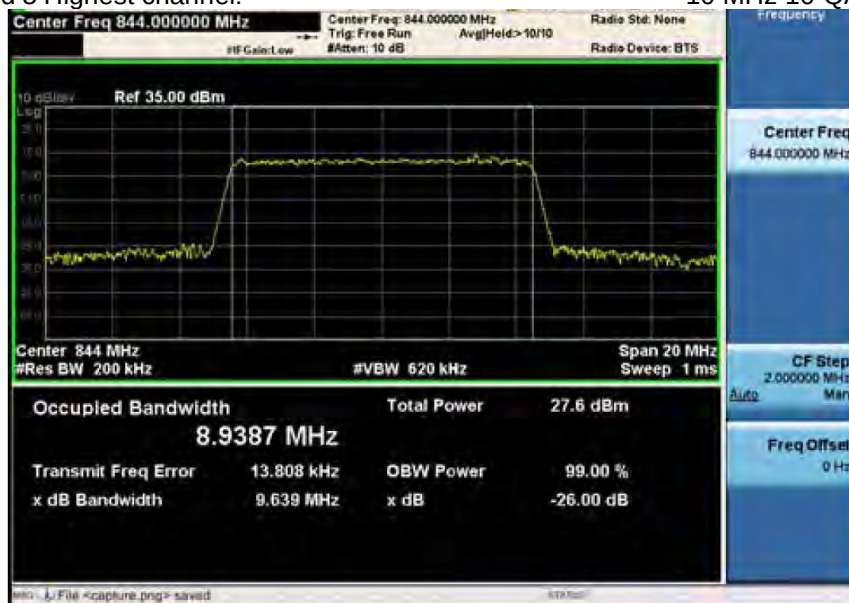
LTE Band 5 Middle channel

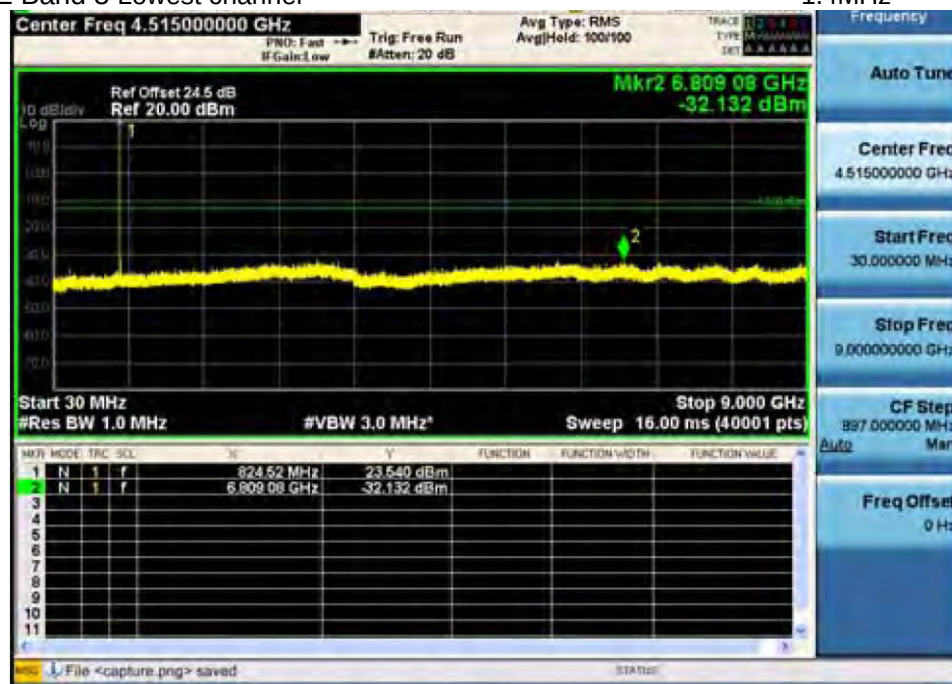
10 MHz 16-QAM



LTE Band 5 Highest channel:

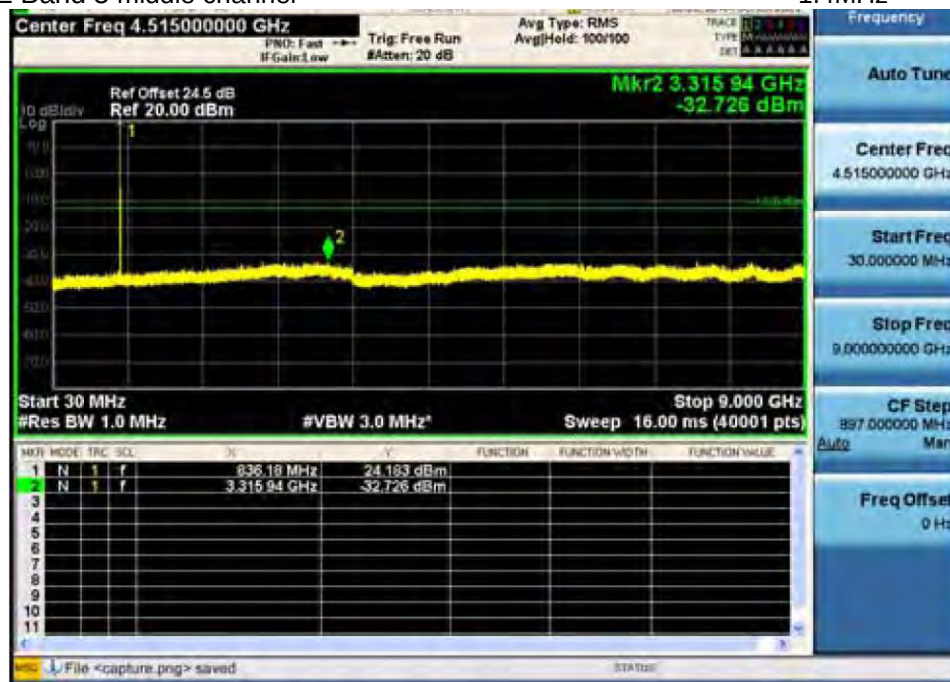
10 MHz 16-QAM





LTE Band 5 middle channel

1.4MHz



LTE Band 5 high channel

1.4MHz



LTE Band 5 Lowest channel

3MHz



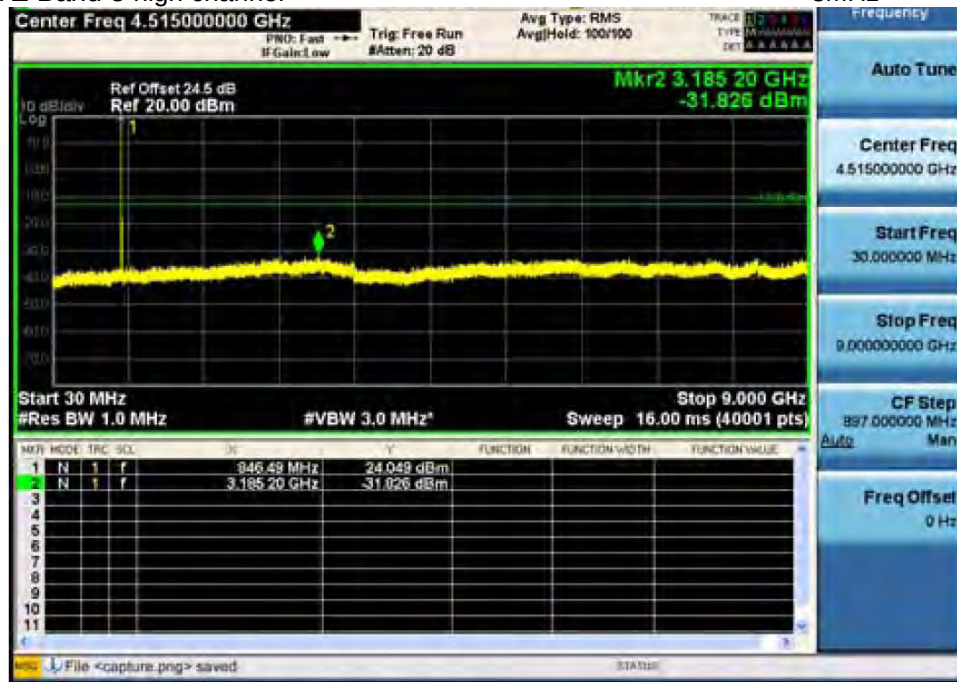
LTE Band 5 middle channel

3MHz



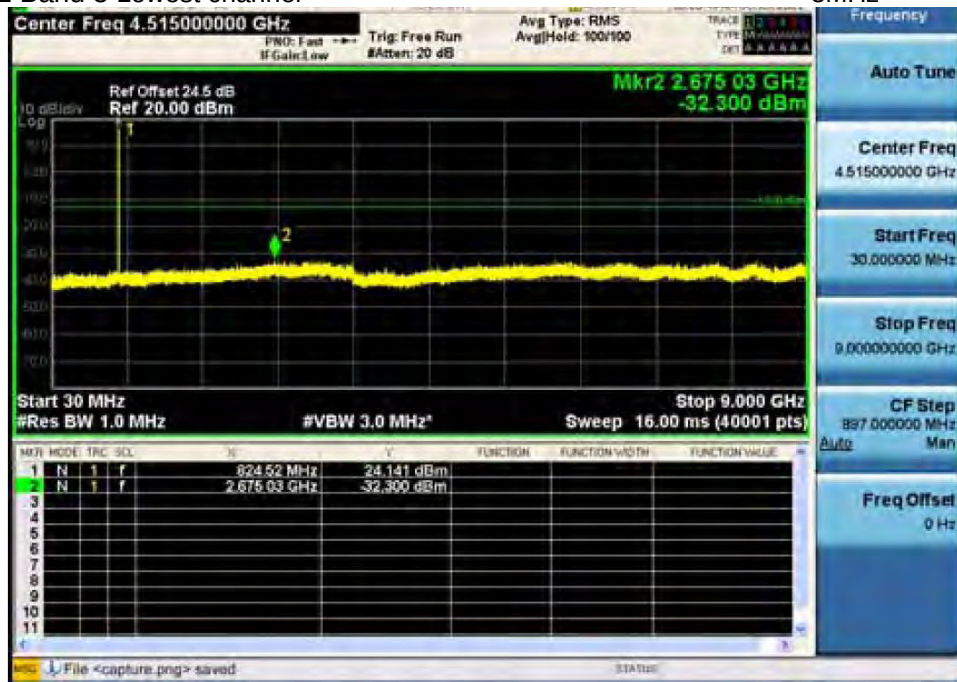
LTE Band 5 high channel

3MHz



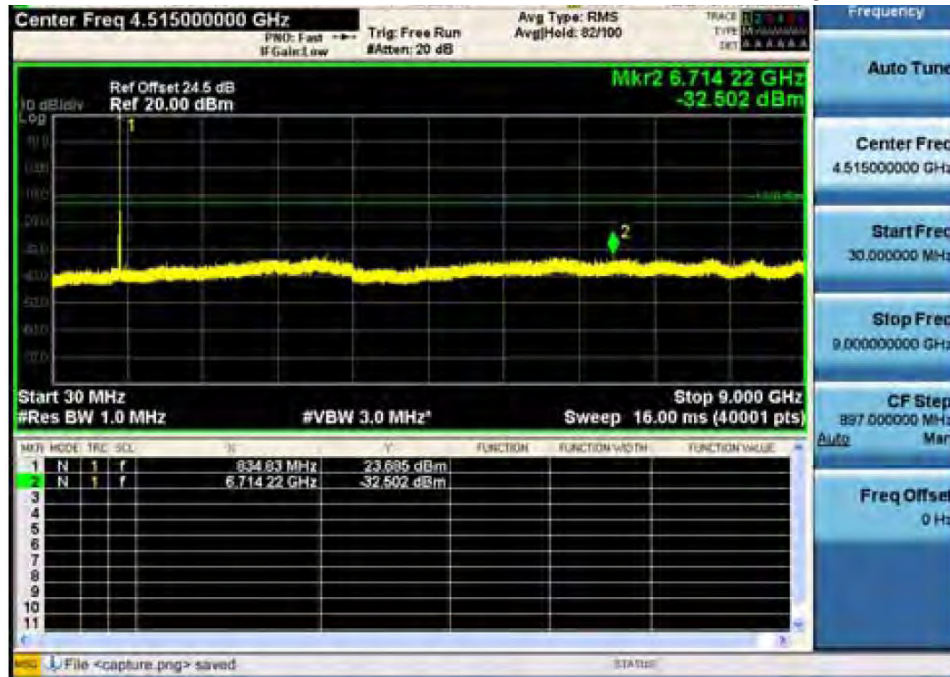
LTE Band 5 Lowest channel

5MHz



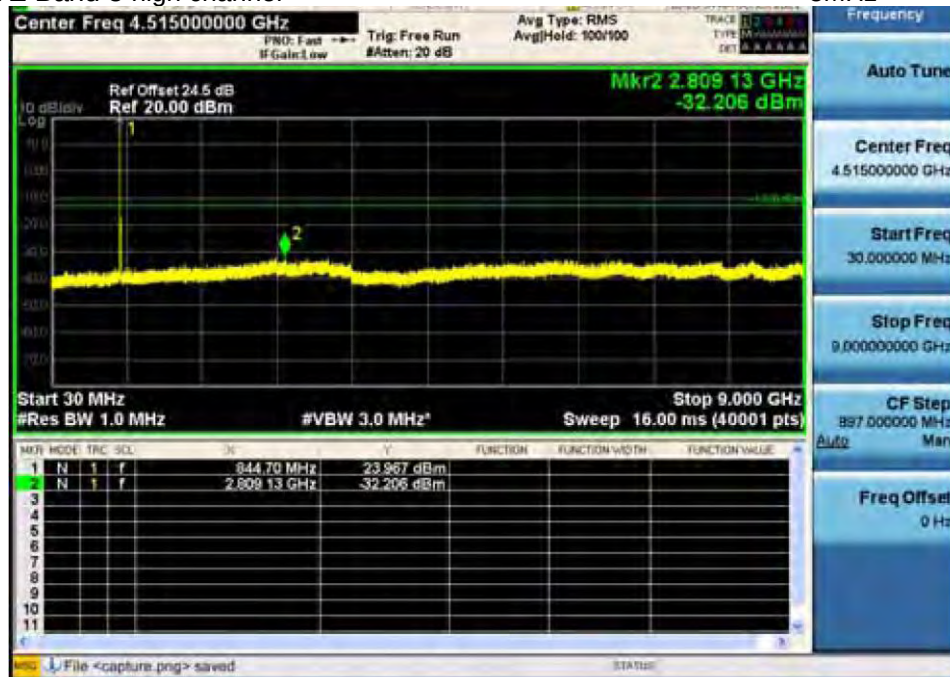
LTE Band 5 middle channel

5MHz



LTE Band 5 high channel

5MHz



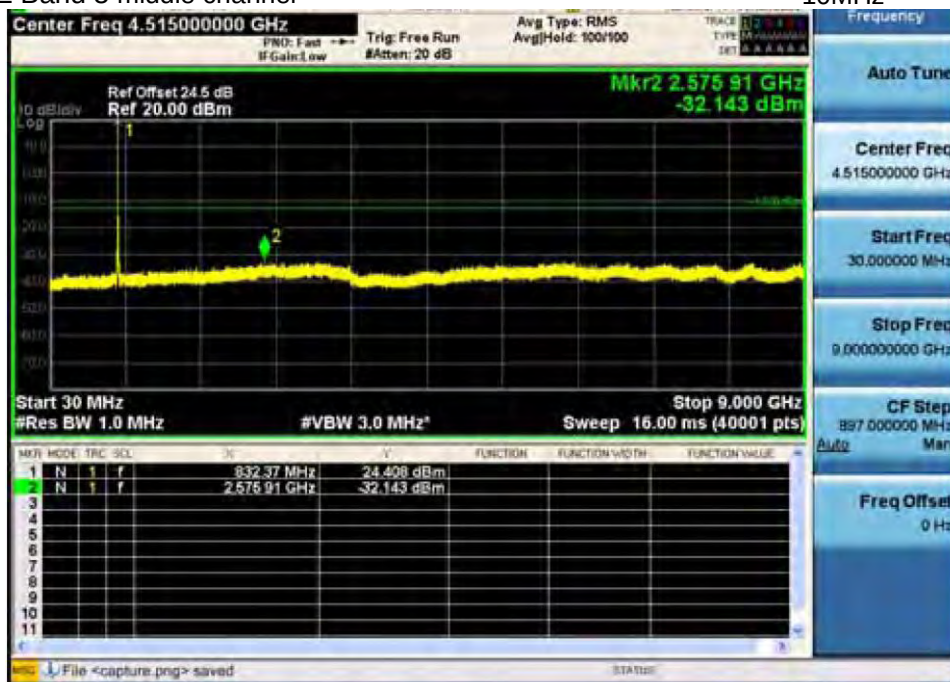
LTE Band 5 Lowest channel

10MHz



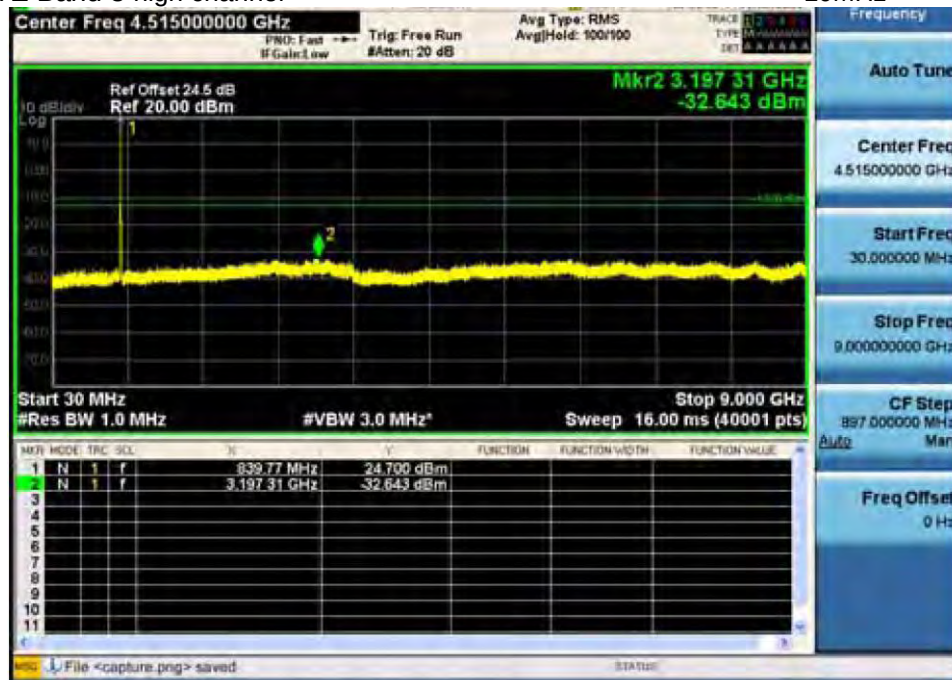
LTE Band 5 middle channel

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 Lowest channel

3MHz 1RB



LTE Band 5 Lowest channel

3MHz 15RB



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 *****