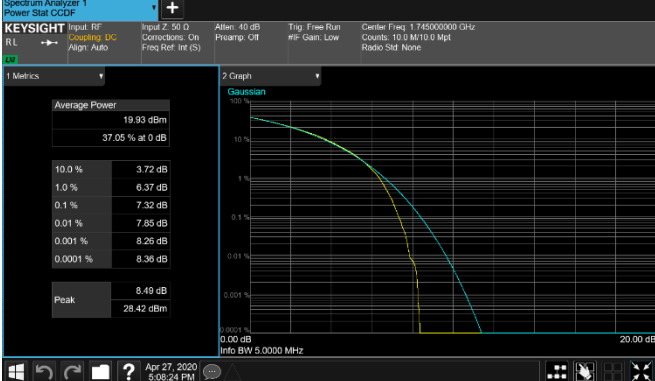
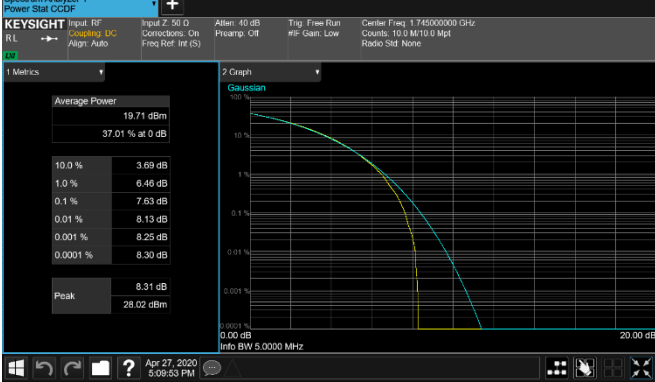
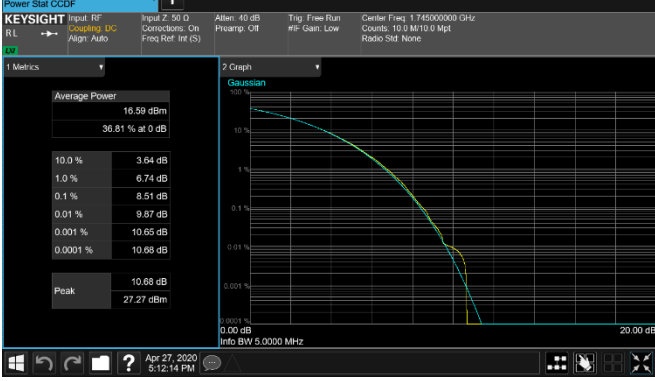
 <p>NR Band n66 5MHz QPSK Mid channel</p>
<p>NR Band n66 5 MHz</p>	 <p>NR Band n66 5MHz 16QAM Mid channel</p>
<p>CP-OFDM</p>	 <p>NR Band n66 5MHz 64QAM Mid channel</p>
	 <p>NR Band n66 5MHz 256QAM Mid channel</p>

9. LIMITS AND CONDUCTED RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The -26dB bandwidth was also measured and recorded.

(KDB 971168 D01 Power Meas License Digital Systems v03r01)

Note

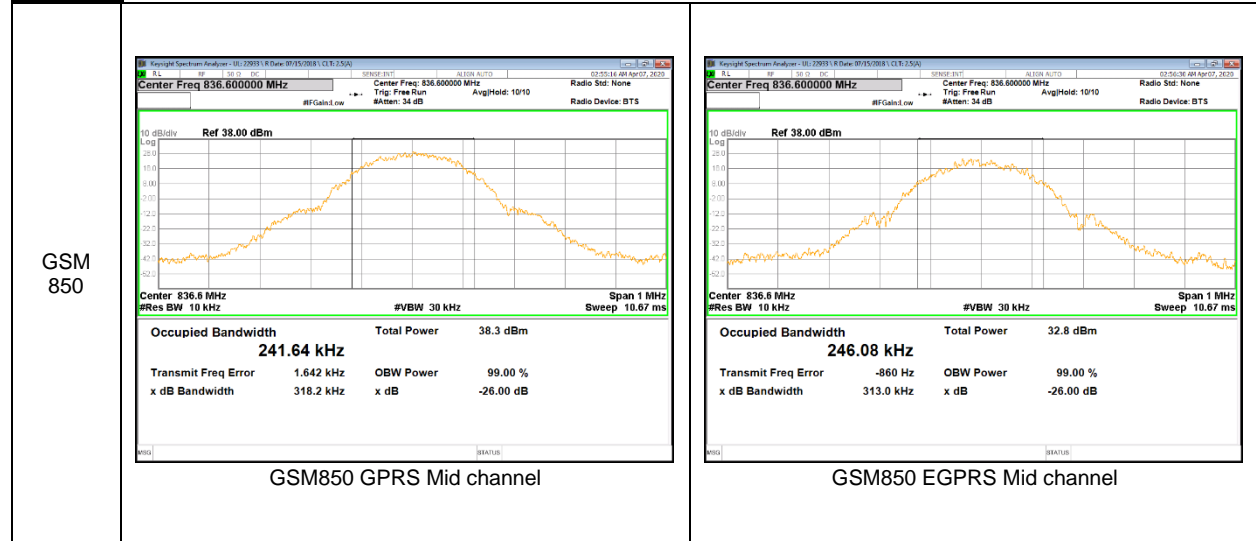
5G NR: All Waveforms (CP-OFDM vs DFT-s OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

RESULTS

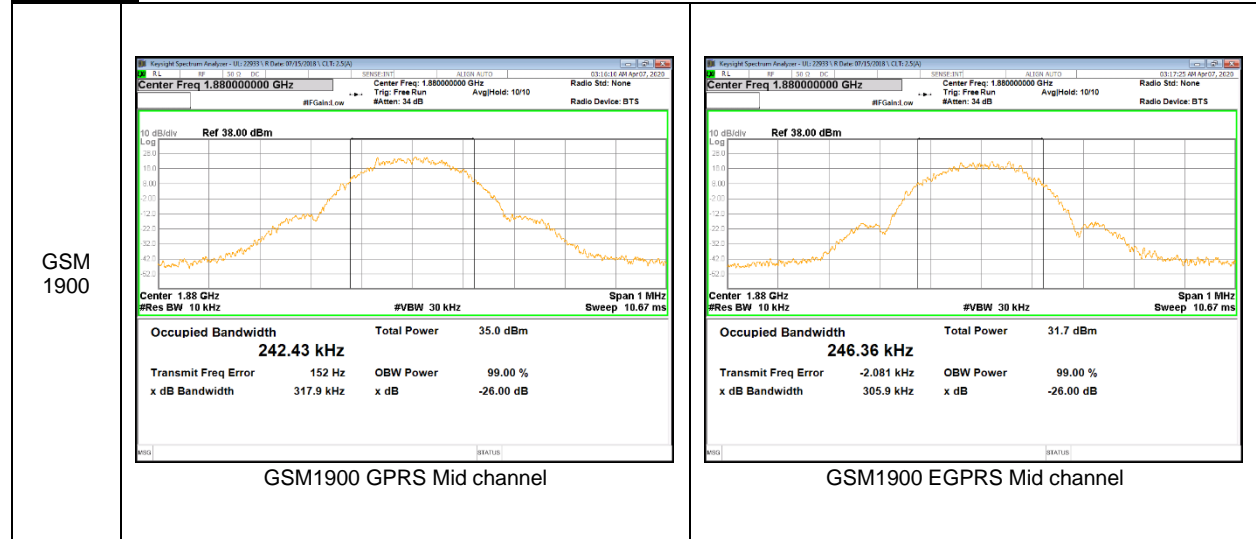
See the following pages.

9.1.1. OCCUPIED BANDWIDTH RESULTS

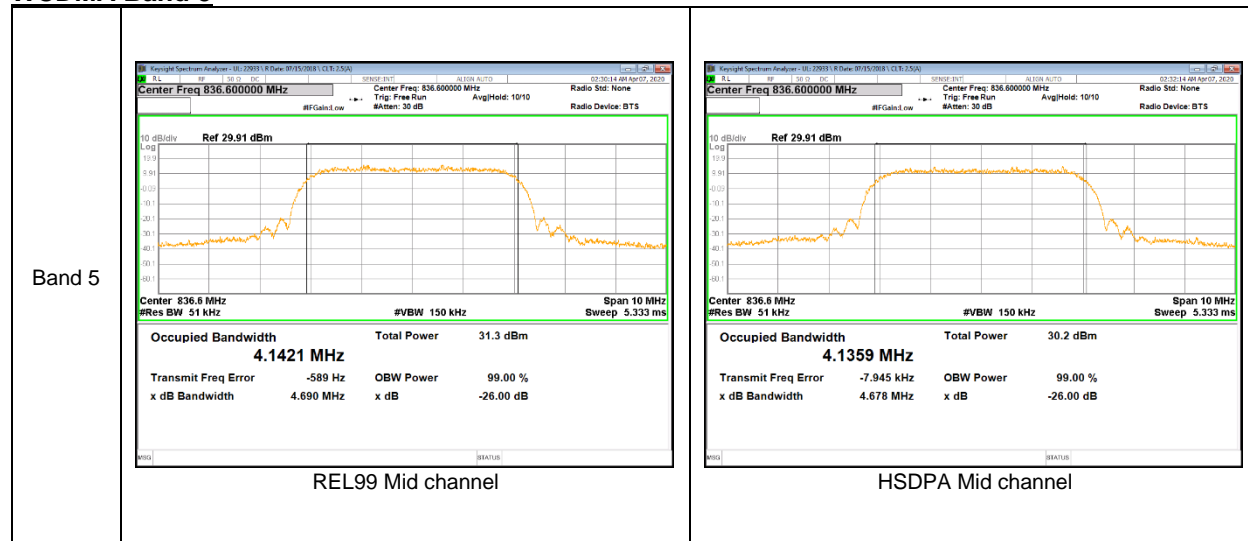
GSM 850



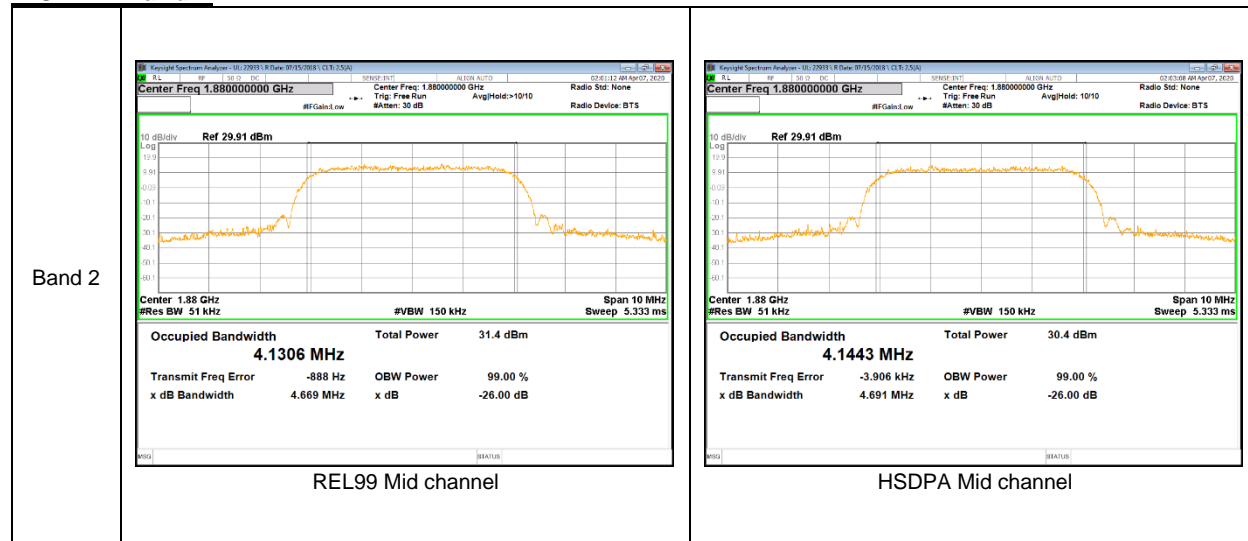
GSM 1900



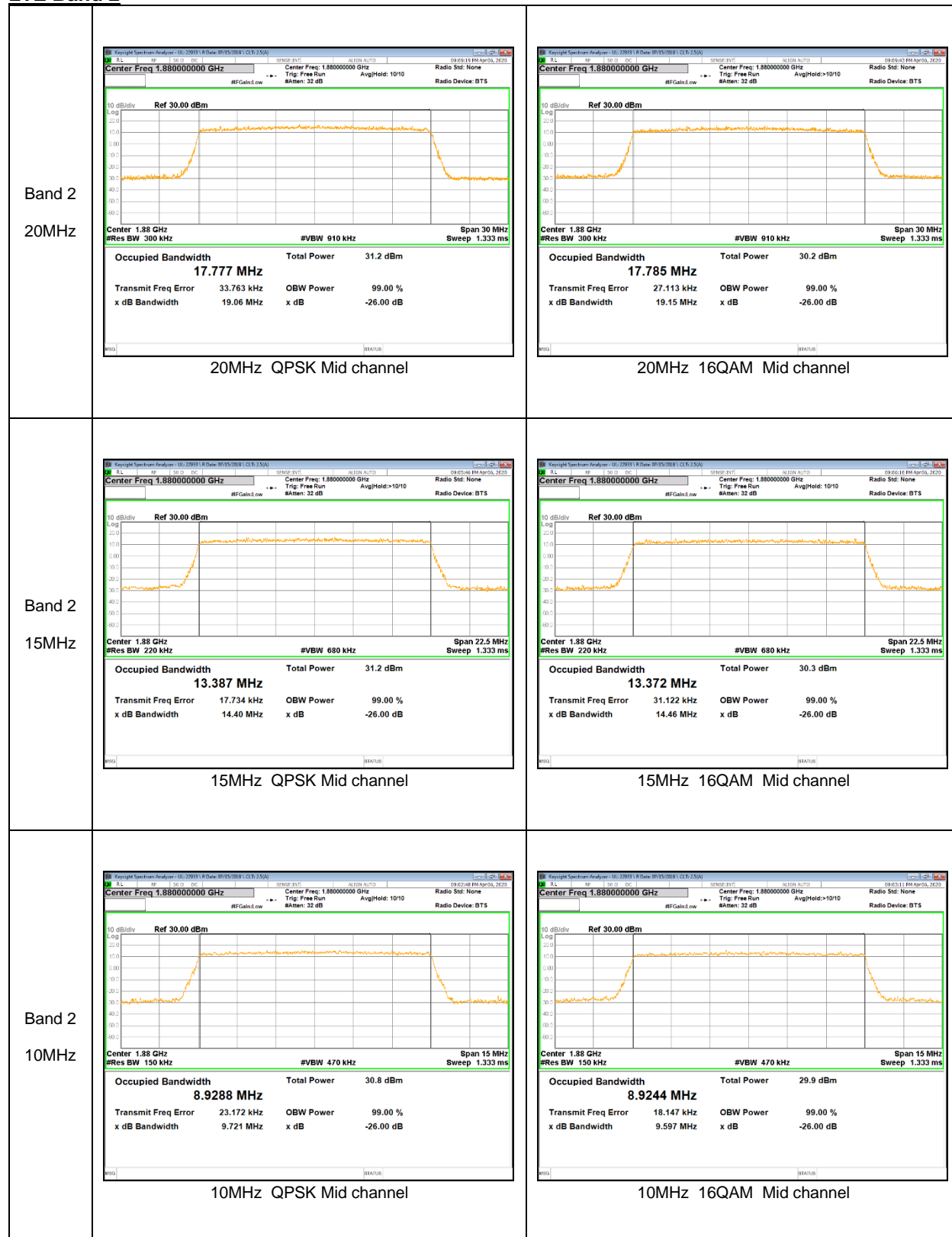
WCDMA Band 5

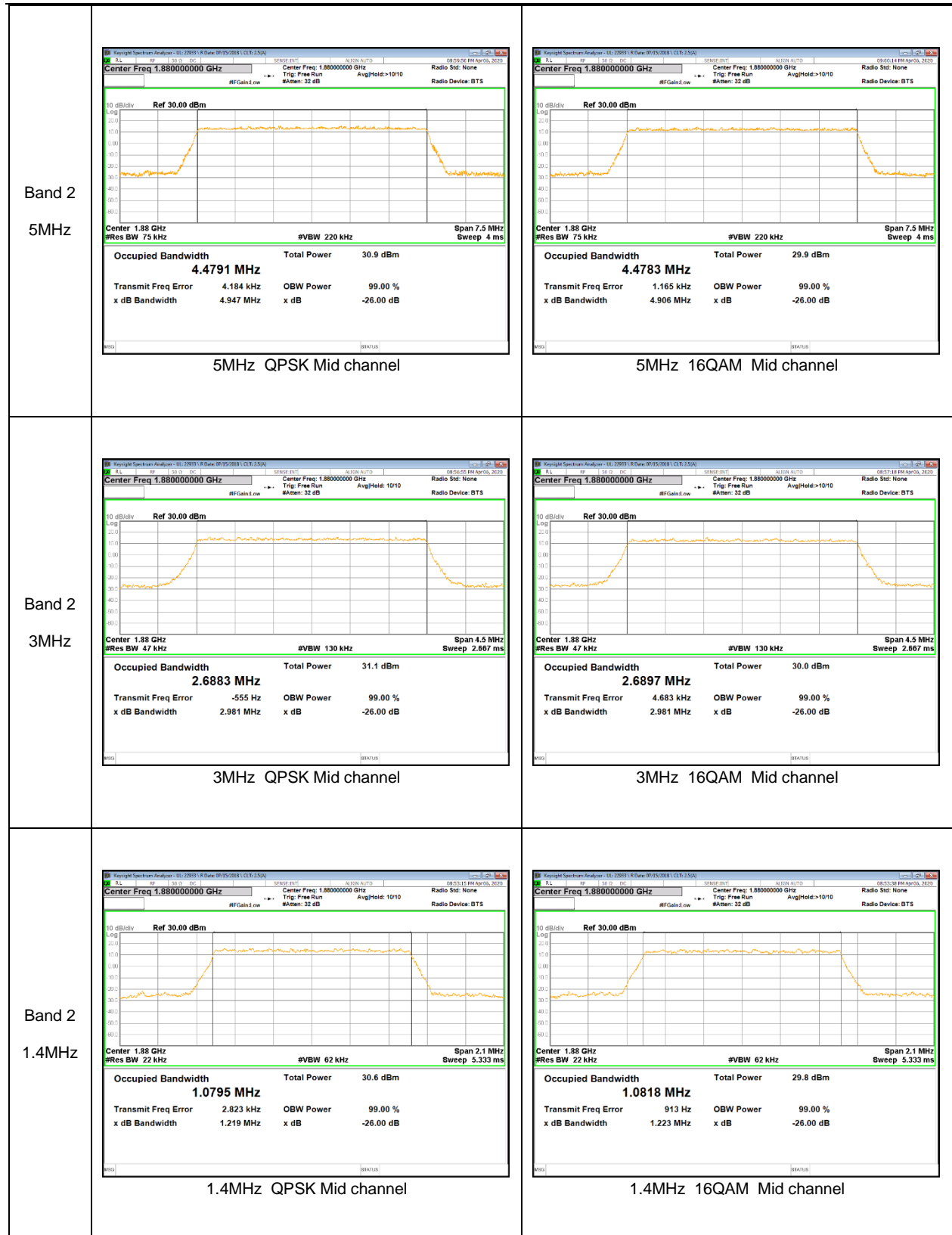


WCDMA Band 2

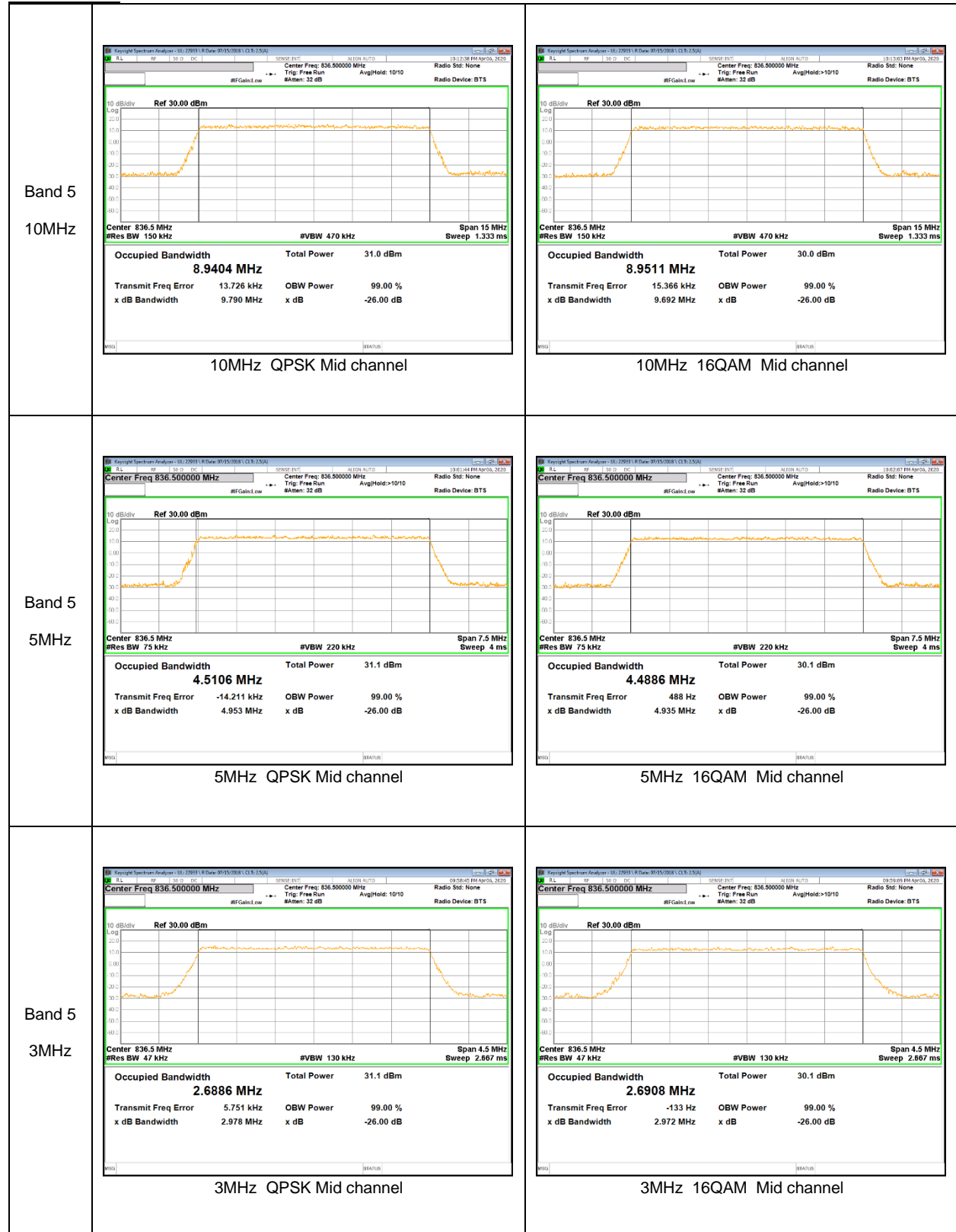


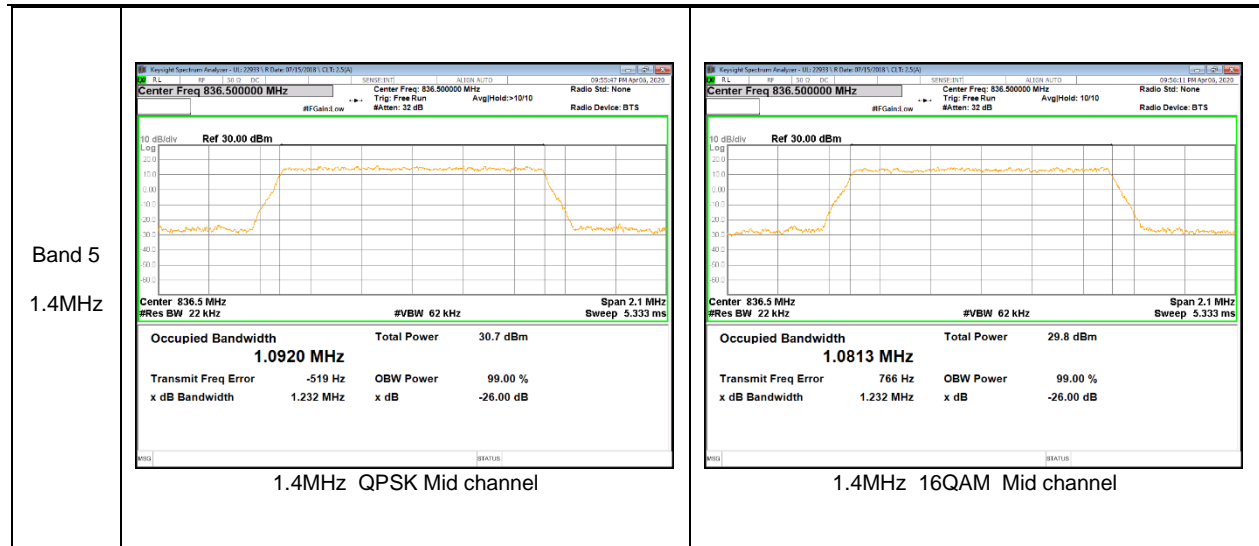
LTE Band 2



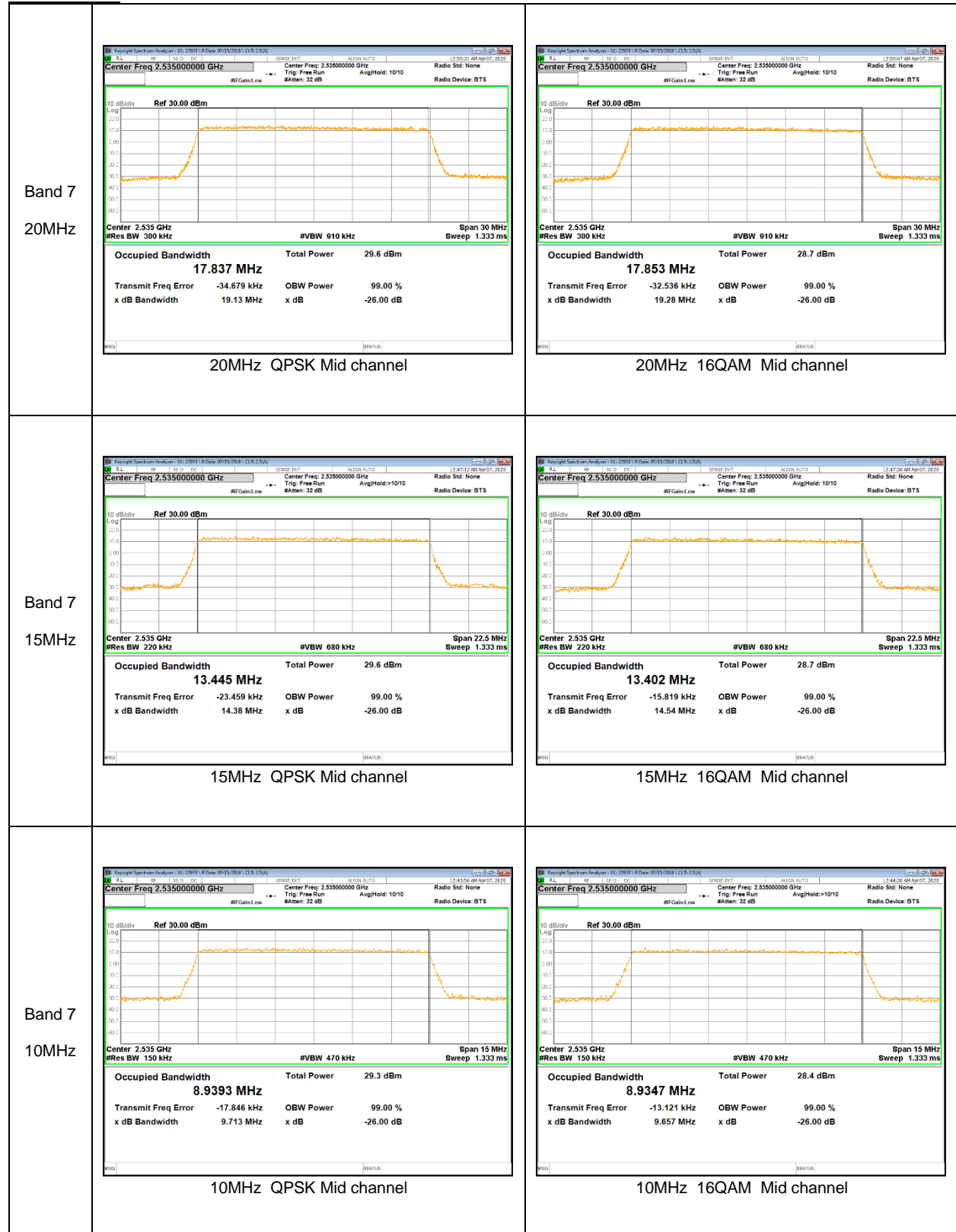


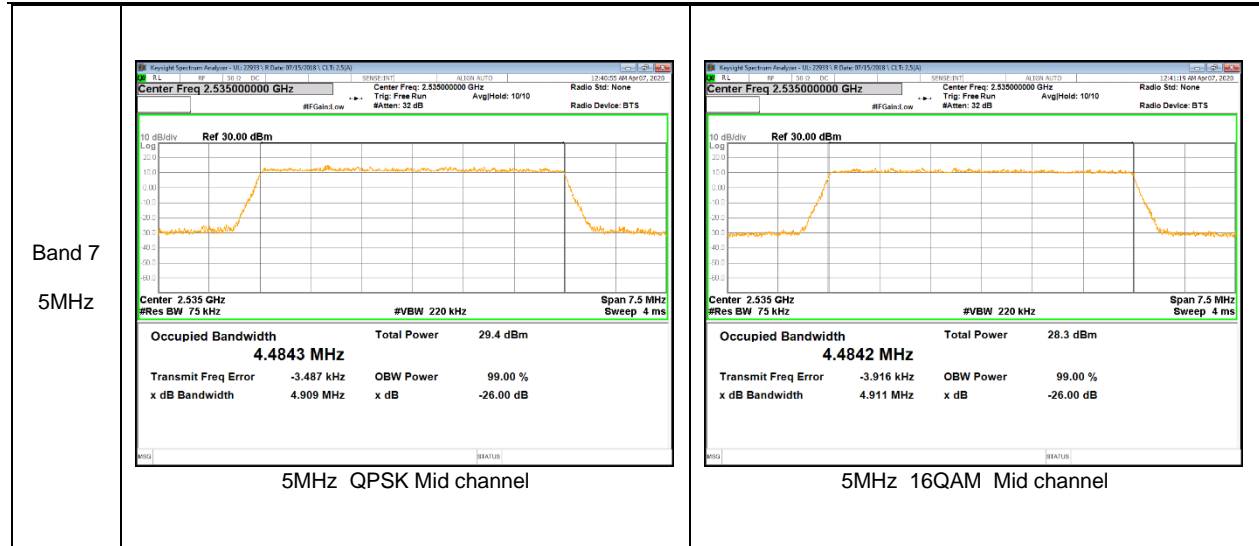
LTE Band 5



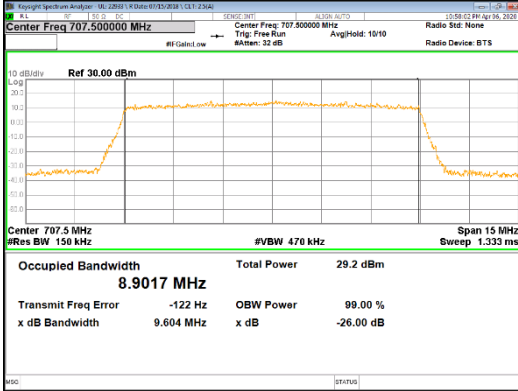
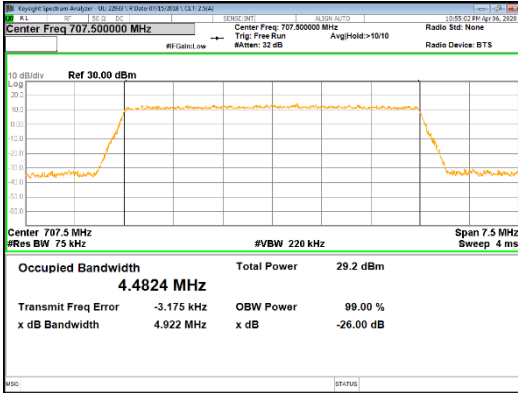
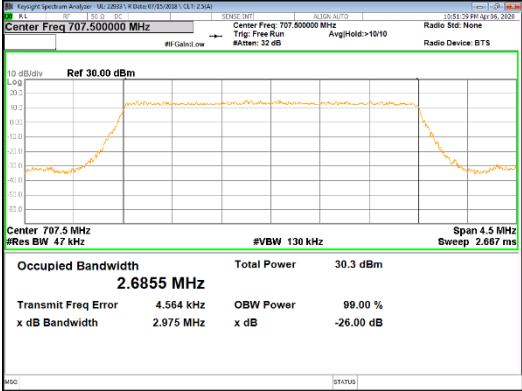
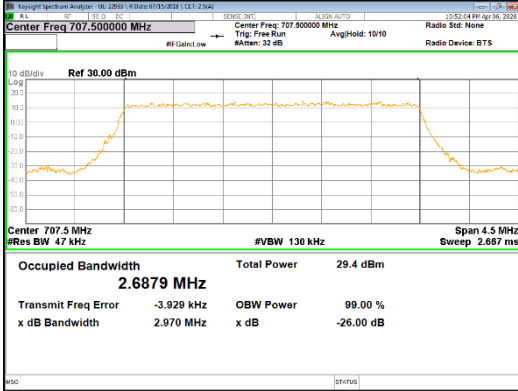


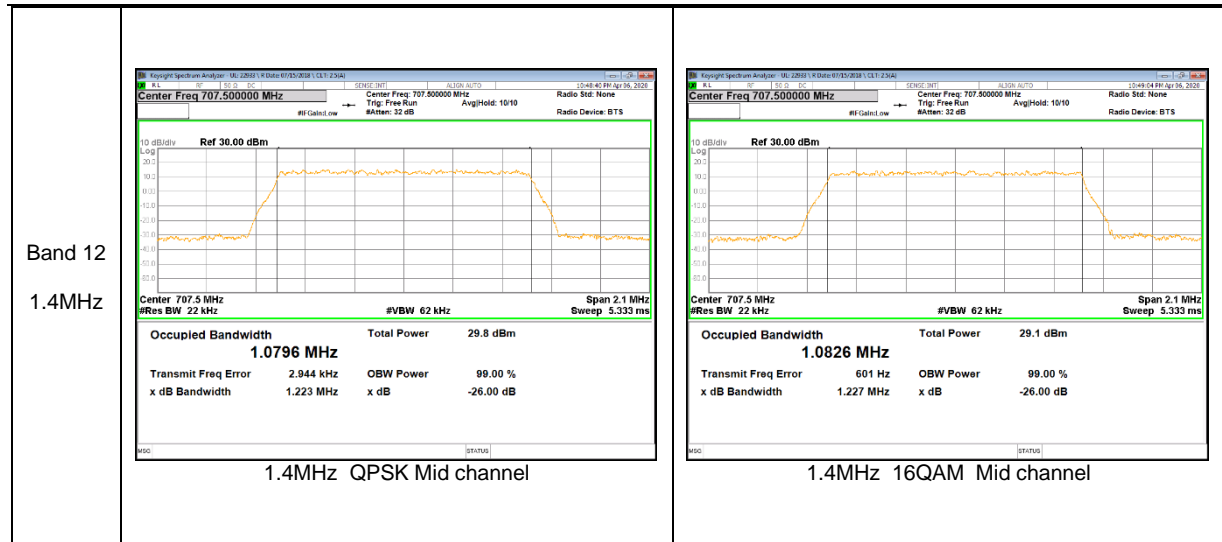
LTE Band 7





LTE Band 12

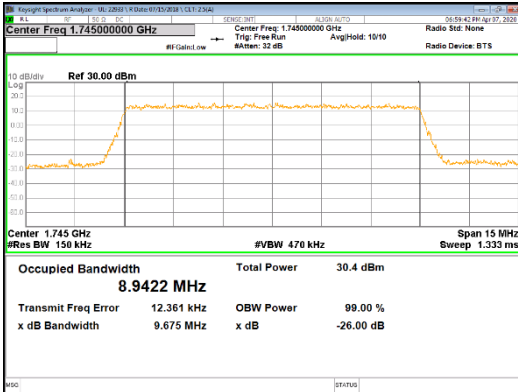
<p>Band 12 10MHz</p>	 <p>10MHz QPSK Mid channel</p>	 <p>10MHz 16QAM Mid channel</p>
<p>Band 12 5MHz</p>	 <p>5MHz QPSK Mid channel</p>	 <p>5MHz 16QAM Mid channel</p>
<p>Band 12 3MHz</p>	 <p>3MHz QPSK Mid channel</p>	 <p>3MHz 16QAM Mid channel</p>

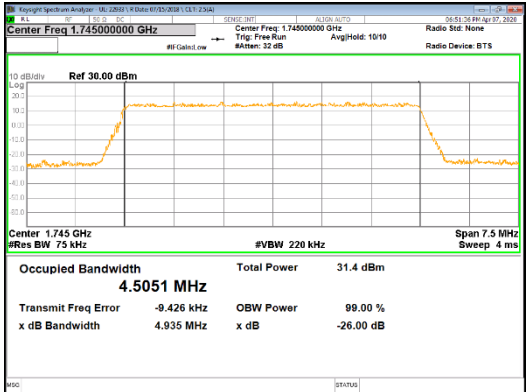
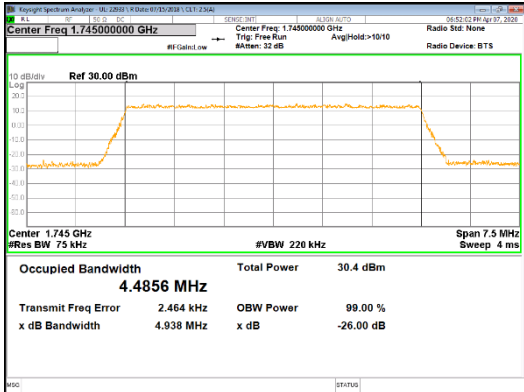
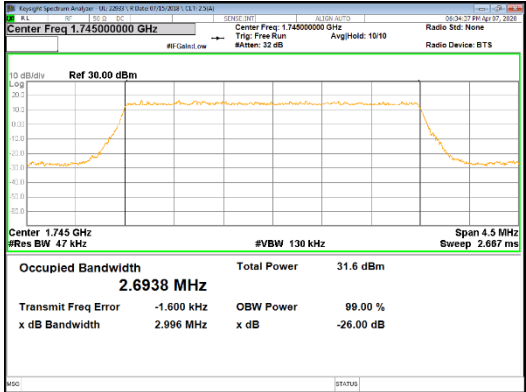
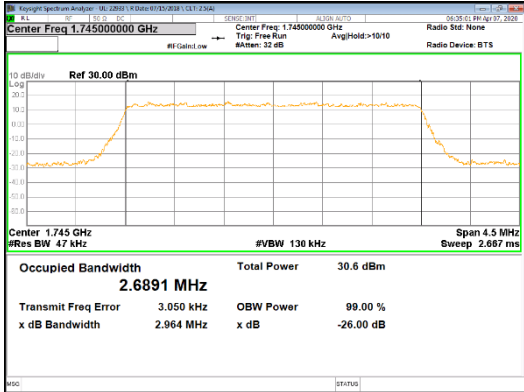
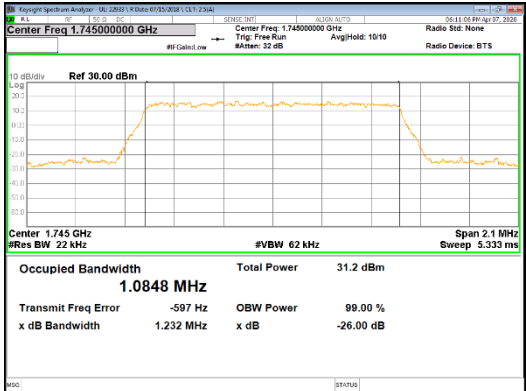
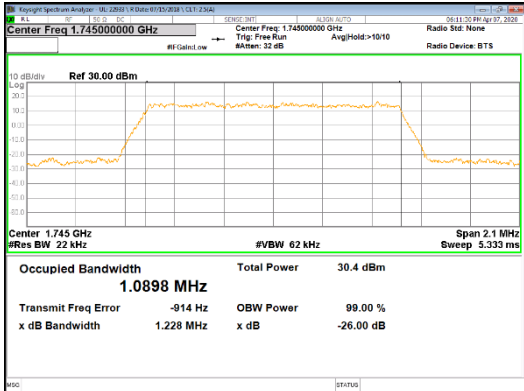


LTE Band 13



LTE Band 66

<p>Band 66 20MHz</p>	 <p>20MHz QPSK Mid channel</p>	 <p>20MHz 16QAM Mid channel</p>
<p>Band 66 15MHz</p>	 <p>15MHz QPSK Mid channel</p>	 <p>15MHz 16QAM Mid channel</p>
<p>Band 66 10MHz</p>	 <p>10MHz QPSK Mid channel</p>	 <p>10MHz 16QAM Mid channel</p>

<p>Band 66 5MHz</p>	 <p>5MHz QPSK Mid channel</p>	 <p>5MHz 16QAM Mid channel</p>
<p>Band 66 3MHz</p>	 <p>3MHz QPSK Mid channel</p>	 <p>3MHz 16QAM Mid channel</p>
<p>Band 66 1.4MHz</p>	 <p>1.4MHz QPSK Mid channel</p>	 <p>1.4MHz 16QAM Mid channel</p>

LTE Band 4

LTE Band 4 (Frequency range: 1710-1755 MHz) is covered by LTE Band 66 (Frequency range: 1710-1780 MHz) due to overlapping frequency range, same maximum tune-up limit and same channel bandwidth.

NR Band n2



	 <p>NR Band n2 15MHz QPSK Mid channel</p>
<p>NR Band n2 15 MHz CP-OFDM</p>	 <p>NR Band n2 15MHz 16QAM Mid channel</p>
	 <p>NR Band n2 15MHz 64QAM Mid channel</p>
	 <p>NR Band n2 15MHz 256QAM Mid channel</p>

	 <p>NR Band n2 10MHz QPSK Mid channel</p>
<p>NR Band n2 10 MHz CP-OFDM</p>	 <p>NR Band n2 10MHz 16QAM Mid channel</p>
	 <p>NR Band n2 10MHz 64QAM Mid channel</p>
	 <p>NR Band n2 10MHz 256QAM Mid channel</p>

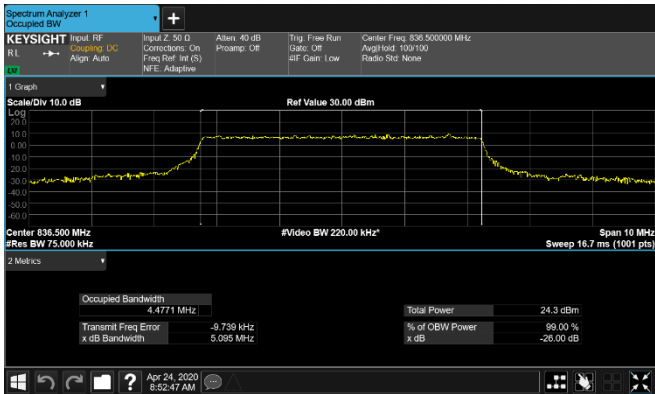
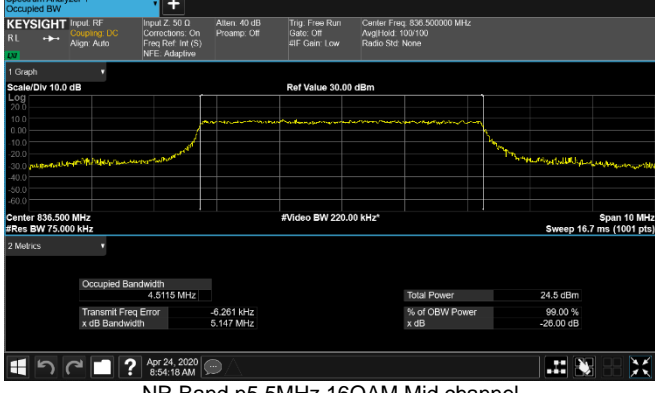
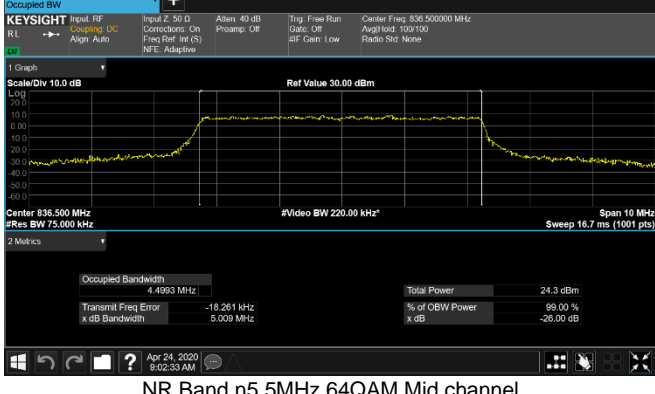
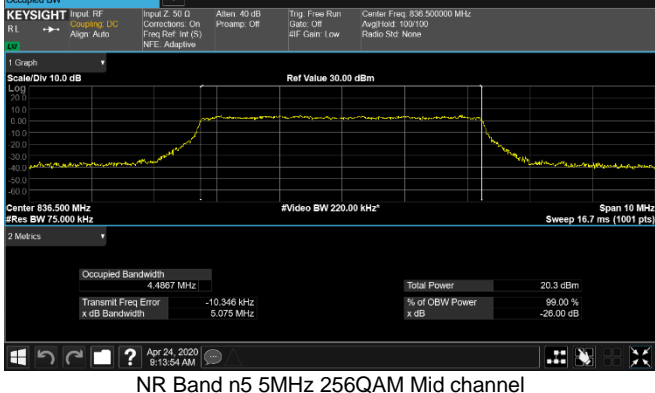
	<p>NR Band n2 5MHz QPSK Mid channel</p>
<p>NR Band n2 5 MHz</p>	<p>NR Band n2 5MHz 16QAM Mid channel</p>
<p>CP-OFDM</p>	<p>NR Band n2 5MHz 64QAM Mid channel</p>
	<p>NR Band n2 5MHz 256QAM Mid channel</p>

NR Band n5



	<p>NR Band n5 15MHz QPSK Mid channel</p>
<p>NR Band n5 15 MHz CP-OFDM</p>	<p>NR Band n5 15MHz 16QAM Mid channel</p>
	<p>NR Band n5 15MHz 64QAM Mid channel</p>
	<p>NR Band n5 15MHz 256QAM Mid channel</p>

	 <p>NR Band n5 10MHz QPSK Mid channel</p>
<p>NR Band n5 10 MHz CP-OFDM</p>	 <p>NR Band n5 10MHz 16QAM Mid channel</p>
	 <p>NR Band n5 10MHz 64QAM Mid channel</p>
	 <p>NR Band n5 10MHz 256QAM Mid channel</p>

	 <p style="text-align: center;">NR Band n5 5MHz QPSK Mid channel</p>
<p>NR Band n5 5 MHz</p>	 <p style="text-align: center;">NR Band n5 5MHz 16QAM Mid channel</p>
<p>CP-OFDM</p>	 <p style="text-align: center;">NR Band n5 5MHz 64QAM Mid channel</p>
	 <p style="text-align: center;">NR Band n5 5MHz 256QAM Mid channel</p>

NR Band n66



	<p>NR Band n66 15MHz QPSK Mid channel</p>
<p>NR Band n66 15 MHz CP-OFDM</p>	<p>NR Band n66 15MHz 16QAM Mid channel</p>
	<p>NR Band n66 15MHz 64QAM Mid channel</p>
	<p>NR Band n66 15MHz 256QAM Mid channel</p>

	 <p>NR Band n66 10MHz QPSK Mid channel</p>
<p>NR Band n66 10 MHz CP-OFDM</p>	 <p>NR Band n66 10MHz 16QAM Mid channel</p>
	 <p>NR Band n66 10MHz 64QAM Mid channel</p>
	 <p>NR Band n66 10MHz 256QAM Mid channel</p>