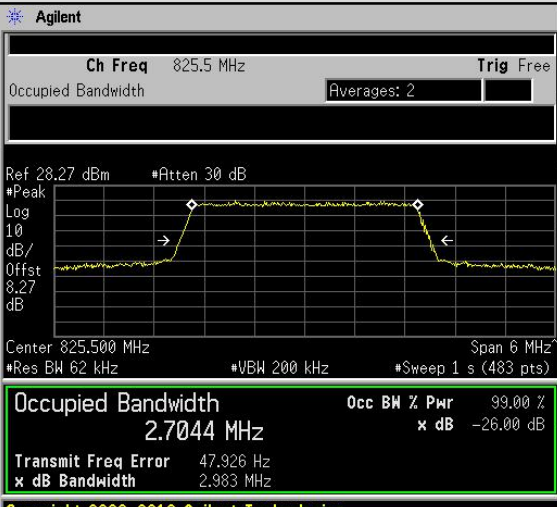
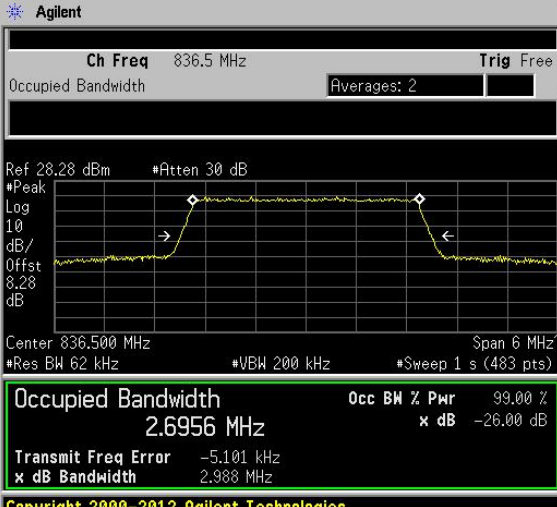
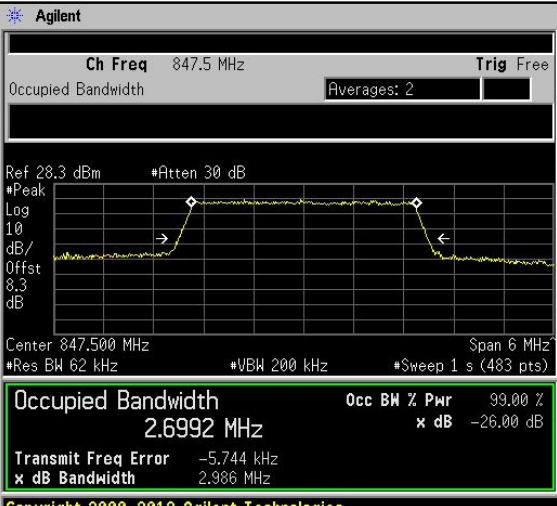




LTE Band 5 (Channel Bandwidth: 1.4 MHz) _ 16QAM	
824.7 MHz	<div><div><div><div>Agilent</div><div><div>Ch Freq 824.7 MHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Averages: 2</div></div><div><div>Ref 28.26 dBm</div><div>*Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset 8.26</div><div>dB</div></div><div><div>Center 824.700 MHz</div><div>*Res BW 27 kHz</div><div>*VBW 100 kHz</div><div>*Sweep 1 s (518 pts)</div></div><div><div>Span 2.8 MHz</div></div><div><div>Occupied Bandwidth</div><div>1.0936 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -4.090 kHz</div><div>x dB Bandwidth 1.298 MHz</div></div><div>Copyright 2000-2012 Agilent Technologies</div></div><div><div>Freq/Channel</div><div>Center Freq 824.700000 MHz</div><div>Start Freq 823.300000 MHz</div><div>Stop Freq 826.100000 MHz</div><div>CF Step 280.000000 kHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div></div>
836.5 MHz	<div><div><div><div>Agilent</div><div><div>Ch Freq 836.5 MHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Averages: 2</div></div><div><div>Ref 28.28 dBm</div><div>*Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset 8.28</div><div>dB</div></div><div><div>Center 836.500 MHz</div><div>*Res BW 27 kHz</div><div>*VBW 100 kHz</div><div>*Sweep 1 s (518 pts)</div></div><div><div>Span 2.8 MHz</div></div><div><div>Occupied Bandwidth</div><div>1.0853 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -823.934 Hz</div><div>x dB Bandwidth 1.287 MHz</div></div><div>Copyright 2000-2012 Agilent Technologies</div></div><div><div>Freq/Channel</div><div>Center Freq 836.500000 MHz</div><div>Start Freq 835.100000 MHz</div><div>Stop Freq 837.900000 MHz</div><div>CF Step 280.000000 kHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div></div>
848.3 MHz	<div><div><div><div>Agilent</div><div><div>Ch Freq 848.3 MHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Averages: 2</div></div><div><div>Ref 28.3 dBm</div><div>*Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset 8.3</div><div>dB</div></div><div><div>Center 848.300 MHz</div><div>*Res BW 27 kHz</div><div>*VBW 100 kHz</div><div>*Sweep 1 s (518 pts)</div></div><div><div>Span 2.8 MHz</div></div><div><div>Occupied Bandwidth</div><div>1.0865 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -1.317 kHz</div><div>x dB Bandwidth 1.288 MHz</div></div><div>Copyright 2000-2012 Agilent Technologies</div></div><div><div>Freq/Channel</div><div>Center Freq 848.300000 MHz</div><div>Start Freq 846.900000 MHz</div><div>Stop Freq 849.700000 MHz</div><div>CF Step 280.000000 kHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div></div>



LTE Band 5 (Channel Bandwidth: 3 MHz) _ 16QAM		
825.5 MHz	 <p>Agilent</p> <p>Ch Freq 825.5 MHz Trig Free</p> <p>Occupied Bandwidth Averages: 2</p> <p>Ref 28.27 dBm #Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 8.27 dB</p> <p>Center 825.500 MHz Span 6 MHz</p> <p>#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)</p> <p>Occupied Bandwidth 2.7044 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error 47.926 Hz x dB Bandwidth 2.983 MHz</p> <p>Copyright 2000-2012 Agilent Technologies</p>	<p>Freq/Channel</p> <p>Center Freq 825.500000 MHz</p> <p>Start Freq 822.500000 MHz</p> <p>Stop Freq 828.500000 MHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>
836.5 MHz	 <p>Agilent</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Occupied Bandwidth Averages: 2</p> <p>Ref 28.28 dBm #Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 8.28 dB</p> <p>Center 836.500 MHz Span 6 MHz</p> <p>#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)</p> <p>Occupied Bandwidth 2.6956 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -5.101 kHz x dB Bandwidth 2.988 MHz</p> <p>Copyright 2000-2012 Agilent Technologies</p>	<p>Freq/Channel</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 833.500000 MHz</p> <p>Stop Freq 839.500000 MHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>
847.5 MHz	 <p>Agilent</p> <p>Ch Freq 847.5 MHz Trig Free</p> <p>Occupied Bandwidth Averages: 2</p> <p>Ref 28.3 dBm #Atten 30 dB</p> <p>#Peak Log 10 dB/Offst 8.3 dB</p> <p>Center 847.500 MHz Span 6 MHz</p> <p>#Res BW 62 kHz #VBW 200 kHz #Sweep 1 s (483 pts)</p> <p>Occupied Bandwidth 2.6992 MHz Occ BW % Pwr 99.00 % x dB -26.00 dB</p> <p>Transmit Freq Error -5.744 kHz x dB Bandwidth 2.986 MHz</p> <p>Copyright 2000-2012 Agilent Technologies</p>	<p>Freq/Channel</p> <p>Center Freq 847.500000 MHz</p> <p>Start Freq 844.500000 MHz</p> <p>Stop Freq 850.500000 MHz</p> <p>CF Step 600.000000 kHz Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>



LTE Band 5 (Channel Bandwidth: 5 MHz) _ 16QAM		
826.5 MHz	<div><div>Agilent</div><div><div>Ch Freq826.5 MHz</div><div>Trig Free</div></div><div><div>Occupied Bandwidth</div><div>Averages: 2</div></div></div> <div><div>Ref 28.27 dBm</div><div>#Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>8.27</div><div>dB</div></div><div><div>Center 826.500 MHz</div><div>Span 10 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 1 s (500 pts)</div></div><div><div>Occupied Bandwidth</div><div>4.4938 MHz</div><div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div></div><div><div>Transmit Freq Error</div><div>-2.837 kHz</div><div>x dB Bandwidth</div><div>4.994 MHz</div></div><div>Copyright 2000-2012 Agilent Technologies</div></div></div> <div><div>Freq/Channel</div><div>Center Freq826.500000 MHz</div><div>Start Freq821.500000 MHz</div><div>Stop Freq831.500000 MHz</div><div><div>CF Step</div><div>1.00000000 MHz</div><div>Auto</div><div>Man</div></div><div><div>Freq Offset</div><div>0.00000000 Hz</div></div><div><div>Signal Track</div><div>On</div><div>Off</div></div></div>	
836.5 MHz	<div><div>Agilent</div><div><div>Ch Freq836.5 MHz</div><div>Trig Free</div></div><div><div>Occupied Bandwidth</div><div>Averages: 2</div></div></div> <div><div>Ref 28.28 dBm</div><div>#Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>8.28</div><div>dB</div></div><div><div>Center 836.500 MHz</div><div>Span 10 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 1 s (500 pts)</div></div><div><div>Occupied Bandwidth</div><div>4.5048 MHz</div><div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div></div><div><div>Transmit Freq Error</div><div>-3.488 kHz</div><div>x dB Bandwidth</div><div>4.993 MHz</div></div><div>Copyright 2000-2012 Agilent Technologies</div></div></div> <div><div>Freq/Channel</div><div>Center Freq836.500000 MHz</div><div>Start Freq831.500000 MHz</div><div>Stop Freq841.500000 MHz</div><div><div>CF Step</div><div>1.00000000 MHz</div><div>Auto</div><div>Man</div></div><div><div>Freq Offset</div><div>0.00000000 Hz</div></div><div><div>Signal Track</div><div>On</div><div>Off</div></div></div>	
846.5 MHz	<div><div>Agilent</div><div><div>Ch Freq846.5 MHz</div><div>Trig Free</div></div><div><div>Occupied Bandwidth</div><div>Averages: 2</div></div></div> <div><div>Ref 28.3 dBm</div><div>#Atten 30 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div><div>Offset</div><div>8.3</div><div>dB</div></div><div><div>Center 846.500 MHz</div><div>Span 10 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 1 s (500 pts)</div></div><div><div>Occupied Bandwidth</div><div>4.5042 MHz</div><div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div></div><div><div>Transmit Freq Error</div><div>-5.248 kHz</div><div>x dB Bandwidth</div><div>5.049 MHz</div></div><div>Copyright 2000-2012 Agilent Technologies</div></div></div> <div><div>Freq/Channel</div><div>Center Freq846.500000 MHz</div><div>Start Freq841.500000 MHz</div><div>Stop Freq851.500000 MHz</div><div><div>CF Step</div><div>1.00000000 MHz</div><div>Auto</div><div>Man</div></div><div><div>Freq Offset</div><div>0.00000000 Hz</div></div><div><div>Signal Track</div><div>On</div><div>Off</div></div></div>	

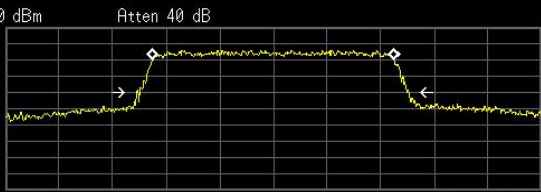

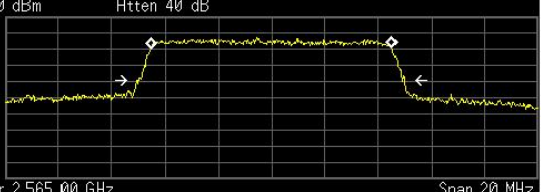
LTE Band 5 (Channel Bandwidth: 10 MHz) _ 16QAM	
829.0 MHz	<p>Agilent</p> <p>Ch Freq 829 MHz Trig Free</p> <p>Occupied Bandwidth Averages: 2</p> <p>Ref 28.27 dBm #Atten 30 dB</p> <p>#Peak Log 10 dB/ Offst 8.27 dB</p> <p>Center 829.00 MHz Span 20 MHz</p> <p>#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)</p> <p><b>Occupied Bandwidth 8.9543 MHz</b></p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error 770.807 Hz</p> <p>x dB Bandwidth 9.866 MHz</p> <p>Copyright 2000-2012 Agilent Technologies</p> <p>Freq/Channel</p> <p>Center Freq 829.000000 MHz</p> <p>Start Freq 819.000000 MHz</p> <p>Stop Freq 839.000000 MHz</p> <p>CF Step 2.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>
836.5 MHz	<p>Agilent</p> <p>Ch Freq 836.5 MHz Trig Free</p> <p>Occupied Bandwidth Averages: 2</p> <p>Ref 28.28 dBm #Atten 30 dB</p> <p>#Peak Log 10 dB/ Offst 8.28 dB</p> <p>Center 836.50 MHz Span 20 MHz</p> <p>#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)</p> <p><b>Occupied Bandwidth 8.9313 MHz</b></p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -5.188 kHz</p> <p>x dB Bandwidth 9.841 MHz</p> <p>Copyright 2000-2012 Agilent Technologies</p> <p>Freq/Channel</p> <p>Center Freq 836.500000 MHz</p> <p>Start Freq 826.500000 MHz</p> <p>Stop Freq 846.500000 MHz</p> <p>CF Step 2.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>
844.0 MHz	<p>Agilent</p> <p>Ch Freq 844 MHz Trig Free</p> <p>Occupied Bandwidth Averages: 2</p> <p>Ref 28.29 dBm #Atten 30 dB</p> <p>#Peak Log 10 dB/ Offst 8.29 dB</p> <p>Center 844.00 MHz Span 20 MHz</p> <p>#Res BW 200 kHz #VBW 620 kHz #Sweep 1 s (500 pts)</p> <p><b>Occupied Bandwidth 8.9315 MHz</b></p> <p>Occ BW % Pwr 99.00 %</p> <p>x dB -26.00 dB</p> <p>Transmit Freq Error -29.783 kHz</p> <p>x dB Bandwidth 9.890 MHz</p> <p>Copyright 2000-2012 Agilent Technologies</p> <p>Freq/Channel</p> <p>Center Freq 844.000000 MHz</p> <p>Start Freq 834.000000 MHz</p> <p>Stop Freq 854.000000 MHz</p> <p>CF Step 2.00000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0.00000000 Hz</p> <p>Signal Track On Off</p>



LTE Band 7 (Channel Bandwidth: 5 MHz) _ QPSK	
2502.5 MHz	<div><div><div>Agilent</div><div>Ch Freq 2.5025 GHz Trig Free</div><div>Occupied Bandwidth</div><div>Center 2.502500000 GHz</div><div>Ref 30 dBm Atten 40 dB</div><div>Peak Log 10 dB/</div><div>Center 2.502 500 GHz Span 10 MHz</div><div>Res BW 100 kHz VBW 300 kHz Sweep 1 ms (601 pts)</div><div>Occupied Bandwidth 4.5092 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>Transmit Freq Error 4.152 kHz</div><div>dB Bandwidth 4.975 MHz</div><div>File Operation Status, C:\SCREN064.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.50250000 GHz</div><div>Start Freq 2.49750000 GHz</div><div>Stop Freq 2.50750000 GHz</div><div>CF Step 1.00000000 MHz</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div>Ch Freq 2.535 GHz Trig Free</div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div>Ref 30 dBm Atten 40 dB</div><div>Peak Log 10 dB/</div><div>Center 2.535 000 GHz Span 10 MHz</div><div>Res BW 100 kHz VBW 300 kHz Sweep 1 ms (601 pts)</div><div>Occupied Bandwidth 4.5243 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>Transmit Freq Error 5.225 kHz</div><div>dB Bandwidth 4.947 MHz</div><div>File Operation Status, C:\SCREN060.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.53000000 GHz</div><div>Stop Freq 2.54000000 GHz</div><div>CF Step 1.00000000 MHz</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2567.5 MHz	<div><div><div>Agilent</div><div>Ch Freq 2.5675 GHz Trig Free</div><div>Occupied Bandwidth</div><div>Center 2.567500000 GHz</div><div>Ref 30 dBm Atten 40 dB</div><div>Peak Log 10 dB/</div><div>Center 2.567 500 GHz Span 10 MHz</div><div>Res BW 100 kHz VBW 300 kHz Sweep 1 ms (601 pts)</div><div>Occupied Bandwidth 4.5224 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>Transmit Freq Error -5.999 kHz</div><div>dB Bandwidth 5.025 MHz</div><div>File Operation Status, C:\SCREN061.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56750000 GHz</div><div>Start Freq 2.56250000 GHz</div><div>Stop Freq 2.57250000 GHz</div><div>CF Step 1.00000000 MHz</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>





LTE Band 7 (Channel Bandwidth: 10 MHz) _ QPSK	
2505.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.505 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.505000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>*Peak</div><div>Log</div><div>10</div><div>dB/</div></div></div><div><div>Center 2.505 00 GHz</div><div>Span 20 MHz</div><div>*Res BW 300 kHz</div><div>*VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>9.0060 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div></div><div><div>Transmit Freq Error 9.059 kHz</div><div>x dB Bandwidth 10.163 MHz</div></div><div>File Operation Status, C:\SCREN070.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.50500000 GHz</div><div>Start Freq 2.49500000 GHz</div><div>Stop Freq 2.51500000 GHz</div><div>CF Step 2.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.535 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>*Peak</div><div>Log</div><div>10</div><div>dB/</div></div></div><div><div>Center 2.535 00 GHz</div><div>Span 20 MHz</div><div>*Res BW 300 kHz</div><div>*VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>9.0364 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div></div><div><div>Transmit Freq Error 19.035 kHz</div><div>x dB Bandwidth 9.943 MHz</div></div><div>File Operation Status, C:\SCREN066.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.52500000 GHz</div><div>Stop Freq 2.54500000 GHz</div><div>CF Step 2.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2565.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.565 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.565000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>*Peak</div><div>Log</div><div>10</div><div>dB/</div></div></div><div><div>Center 2.565 00 GHz</div><div>Span 20 MHz</div><div>*Res BW 300 kHz</div><div>*VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>9.0045 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div></div><div><div>Transmit Freq Error -6.854 kHz</div><div>x dB Bandwidth 9.971 MHz</div></div><div>File Operation Status, C:\SCREN067.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56500000 GHz</div><div>Start Freq 2.55500000 GHz</div><div>Stop Freq 2.57500000 GHz</div><div>CF Step 2.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>



LTE Band 7 (Channel Bandwidth: 15 MHz) _ QPSK	
2507.5 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.5075 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.507500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div><div>Center 2.507 50 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Span 40 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>13.4974 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -1.737 kHz</div><div>x dB Bandwidth 14.669 MHz</div></div><div>File Operation Status, C:\SCREN076.6IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.50750000 GHz</div><div>Start Freq 2.48750000 GHz</div><div>Stop Freq 2.52750000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.535 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div><div>Center 2.535 00 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Span 40 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>13.5314 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 10.248 kHz</div><div>x dB Bandwidth 14.485 MHz</div></div><div>File Operation Status, C:\SCREN072.6IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.51500000 GHz</div><div>Stop Freq 2.55500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2562.5 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.5625 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.562500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div><div>Center 2.562 50 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Span 40 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>13.5004 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -6.851 kHz</div><div>x dB Bandwidth 14.737 MHz</div></div><div>File Operation Status, C:\SCREN073.6IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56250000 GHz</div><div>Start Freq 2.54250000 GHz</div><div>Stop Freq 2.58250000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>




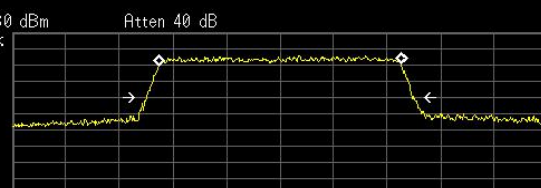
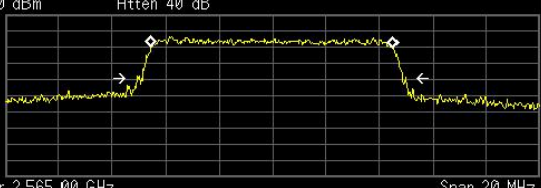
LTE Band 7 (Channel Bandwidth: 20 MHz) _ QPSK	
2510.0 MHz	<div><div><div>Agilent</div><div>Ch Freq 2.51 GHz Trig Free</div><div>Occupied Bandwidth</div><div>Center 2.510000000 GHz</div><div>Ref 30 dBm Atten 40 dB</div><div>#Peak Log 10 dB/</div><div>Center 2.510 00 GHz Span 40 MHz</div><div>#Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts)</div><div>Occupied Bandwidth 17.9070 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 32.481 kHz</div><div>x dB Bandwidth 19.131 MHz</div><div>File Operation Status, C:\SCREN057.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.51000000 GHz</div><div>Start Freq 2.49000000 GHz</div><div>Stop Freq 2.53000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div>Ch Freq 2.535 GHz Trig Free</div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div>Ref 30 dBm Atten 40 dB</div><div>#Peak Log 10 dB/</div><div>Center 2.535 00 GHz Span 40 MHz</div><div>#Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts)</div><div>Occupied Bandwidth 17.8701 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 44.121 kHz</div><div>x dB Bandwidth 19.302 MHz</div><div>File Operation Status, C:\SCREN053.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.51500000 GHz</div><div>Stop Freq 2.55500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2560.0 MHz	<div><div><div>Agilent</div><div>Ch Freq 2.56 GHz Trig Free</div><div>Occupied Bandwidth</div><div>Center 2.560000000 GHz</div><div>Ref 30 dBm Atten 40 dB</div><div>#Peak Log 10 dB/</div><div>Center 2.560 00 GHz Span 40 MHz</div><div>#Res BW 300 kHz #VBW 1 MHz Sweep 1 ms (601 pts)</div><div>Occupied Bandwidth 17.8716 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -47.468 kHz</div><div>x dB Bandwidth 19.322 MHz</div><div>File Operation Status, C:\SCREN056.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56000000 GHz</div><div>Start Freq 2.54000000 GHz</div><div>Stop Freq 2.58000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>








LTE Band 7 (Channel Bandwidth: 5 MHz) _ 16QAM	
2502.5 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.5025 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.502500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div><div>Center 2.502 500 GHz</div><div>Span 10 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 1 ms (601 pts)</div></div></div><div><div>Occupied Bandwidth</div><div>4.5218 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 8.446 kHz</div><div>x dB Bandwidth 5.016 MHz</div></div><div>File Operation Status, C:\SCREN063.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.50250000 GHz</div><div>Start Freq 2.49750000 GHz</div><div>Stop Freq 2.50750000 GHz</div><div>CF Step 1.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.535 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div><div>Center 2.535 000 GHz</div><div>Span 10 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 1 ms (601 pts)</div></div></div><div><div>Occupied Bandwidth</div><div>4.5276 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 1.593 kHz</div><div>x dB Bandwidth 5.019 MHz</div></div><div>File Operation Status, C:\SCREN059.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.53000000 GHz</div><div>Stop Freq 2.54000000 GHz</div><div>CF Step 1.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2567.5 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.5675 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.567500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div><div>Center 2.567 500 GHz</div><div>Span 10 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Sweep 1 ms (601 pts)</div></div></div><div><div>Occupied Bandwidth</div><div>4.5104 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -111.863 Hz</div><div>x dB Bandwidth 5.003 MHz</div></div><div>File Operation Status, C:\SCREN062.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56750000 GHz</div><div>Start Freq 2.56250000 GHz</div><div>Stop Freq 2.57250000 GHz</div><div>CF Step 1.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>



LTE Band 7 (Channel Bandwidth: 10 MHz) _16QAM	
2505.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.505 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.505000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div><div>Center 2.505 00 GHz</div><div>Span 20 MHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>8.9961 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>19.823 kHz</div><div>x dB Bandwidth</div><div>9.956 MHz</div></div><div>File Operation Status, C:\SCREN069.0IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>2.50500000 GHz</div><div>Start Freq</div><div>2.49500000 GHz</div><div>Stop Freq</div><div>2.51500000 GHz</div><div>CF Step</div><div>2.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.535 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div><div>Center 2.535 00 GHz</div><div>Span 20 MHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>9.0435 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>15.993 kHz</div><div>x dB Bandwidth</div><div>9.995 MHz</div></div><div>File Operation Status, C:\SCREN065.0IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>2.53500000 GHz</div><div>Start Freq</div><div>2.52500000 GHz</div><div>Stop Freq</div><div>2.54500000 GHz</div><div>CF Step</div><div>2.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div></div></div>
2565.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.565 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.565000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div><div>Center 2.565 00 GHz</div><div>Span 20 MHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>9.0369 MHz</div><div>Occ BW % Pwr</div><div>99.00 %</div><div>x dB</div><div>-26.00 dB</div><div>Transmit Freq Error</div><div>-6.726 kHz</div><div>x dB Bandwidth</div><div>10.062 MHz</div></div><div>File Operation Status, C:\SCREN068.0IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq</div><div>2.56500000 GHz</div><div>Start Freq</div><div>2.55500000 GHz</div><div>Stop Freq</div><div>2.57500000 GHz</div><div>CF Step</div><div>2.00000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0.00000000 Hz</div><div>Signal Track</div><div>On</div><div>Off</div></div></div>



LTE Band 7 (Channel Bandwidth: 15 MHz) _ 16QAM	
2507.5 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.5075 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.507500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div><div>Center 2.507 50 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>13.4665 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 9.890 kHz</div><div>x dB Bandwidth 14.760 MHz</div></div><div>File Operation Status, C:\SCREEN075.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.50750000 GHz</div><div>Start Freq 2.48750000 GHz</div><div>Stop Freq 2.52750000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.535 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.535000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div><div>Center 2.535 00 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>13.4415 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 17.601 kHz</div><div>x dB Bandwidth 14.806 MHz</div></div><div>File Operation Status, C:\SCREEN071.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.51500000 GHz</div><div>Stop Freq 2.55500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2562.5 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.5625 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.562500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div><div>Center 2.562 50 GHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div><div>Span 40 MHz</div></div><div><div>Occupied Bandwidth</div><div>13.5706 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -15.874 kHz</div><div>x dB Bandwidth 14.914 MHz</div></div><div>File Operation Status, C:\SCREEN074.GIF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56250000 GHz</div><div>Start Freq 2.54250000 GHz</div><div>Stop Freq 2.58250000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>



LTE Band 7 (Channel Bandwidth: 20 MHz) _ 16QAM	
2510.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.51 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.51000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div></div><div><div>Center 2.510 00 GHz</div><div>Span 40 MHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>17.8639 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -9.918 kHz</div><div>x dB Bandwidth 19.302 MHz</div></div><div>File Operation Status, C:\SCREN058.0IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.51000000 GHz</div><div>Start Freq 2.49000000 GHz</div><div>Stop Freq 2.53000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2535.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.535 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.53500000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div></div><div><div>Center 2.535 00 GHz</div><div>Span 40 MHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>17.9526 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error 45.936 kHz</div><div>x dB Bandwidth 18.990 MHz</div></div><div>File Operation Status, C:\SCREN054.0IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.53500000 GHz</div><div>Start Freq 2.51500000 GHz</div><div>Stop Freq 2.55500000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>
2560.0 MHz	<div><div><div>Agilent</div><div><div>Ch Freq 2.56 GHz</div><div>Trig Free</div></div><div>Occupied Bandwidth</div><div>Center 2.56000000 GHz</div><div><div>Ref 30 dBm</div><div>Atten 40 dB</div><div><div>#Peak</div><div>Log</div><div>10</div><div>dB/</div></div><div></div></div><div><div>Center 2.560 00 GHz</div><div>Span 40 MHz</div><div>#Res BW 300 kHz</div><div>#VBW 1 MHz</div><div>Sweep 1 ms (601 pts)</div></div><div><div>Occupied Bandwidth</div><div>17.9075 MHz</div><div>Occ BW % Pwr 99.00 %</div><div>x dB -26.00 dB</div><div>Transmit Freq Error -28.909 kHz</div><div>x dB Bandwidth 19.218 MHz</div></div><div>File Operation Status, C:\SCREN055.0IF file saved</div></div><div><div>Freq/Channel</div><div>Center Freq 2.56000000 GHz</div><div>Start Freq 2.54000000 GHz</div><div>Stop Freq 2.58000000 GHz</div><div>CF Step 4.00000000 MHz</div><div>Auto Man</div><div>Freq Offset 0.00000000 Hz</div><div>Signal Track On Off</div></div></div>

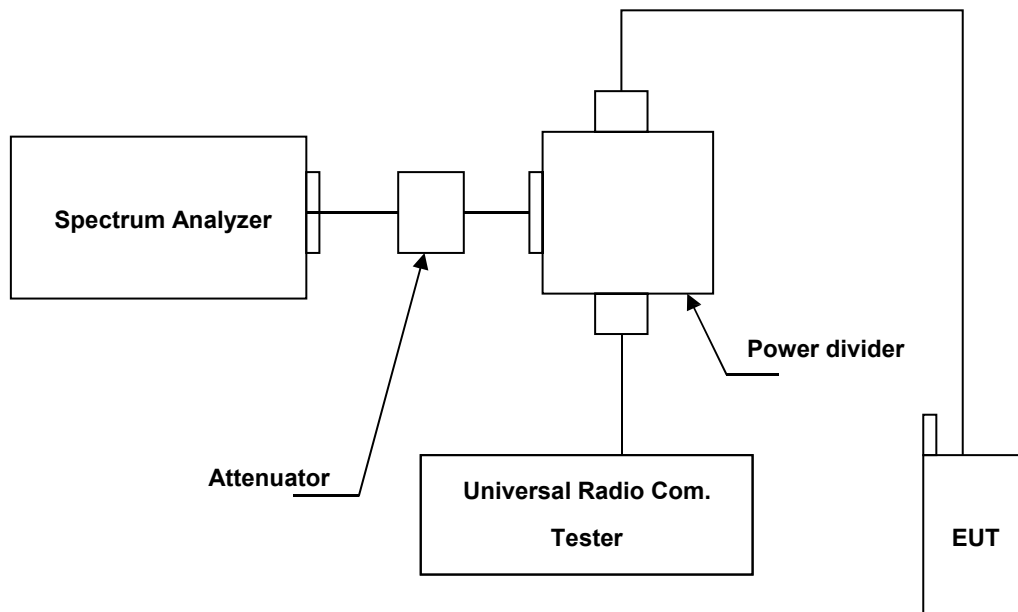


## 6 Peak to Average Ratio Test

### 6.1. Limit

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

### 6.2. Setup





### 6.3. Test Procedure

The measurement is made according to FCC rules:

- a. Set resolution/measurement bandwidth signal's occupied bandwidth;
- b. Set the number of counts to a value that stabilizes the measured CCDF curve;
- c. Record the maximum PAPR level associated with a probability of 0.1%.



## 6.4. Test Result

LTE Band 2				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1880.0	4.97	< 13
	3 MHz	1880.0	5.09	< 13
	5 MHz	1880.0	4.96	< 13
	10 MHz	1880.0	4.88	< 13
	15 MHz	1880.0	4.76	< 13
	20 MHz	1880.0	4.48	< 13
16QAM	1.4 MHz	1880.0	6.04	< 13
	3 MHz	1880.0	6.21	< 13
	5 MHz	1880.0	6.12	< 13
	10 MHz	1880.0	6.08	< 13
	15 MHz	1880.0	5.87	< 13
	20 MHz	1880.0	5.62	< 13

LTE Band 4				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	1732.5	4.43	< 13
	3 MHz	1732.5	4.44	< 13
	5 MHz	1732.5	4.31	< 13
	10 MHz	1732.5	4.06	< 13
	15 MHz	1732.5	3.81	< 13
	20 MHz	1732.5	3.62	< 13
16QAM	1.4 MHz	1732.5	5.57	< 13
	3 MHz	1732.5	5.54	< 13
	5 MHz	1732.5	5.48	< 13
	10 MHz	1732.5	5.05	< 13
	15 MHz	1732.5	4.83	< 13
	20 MHz	1732.5	4.69	< 13



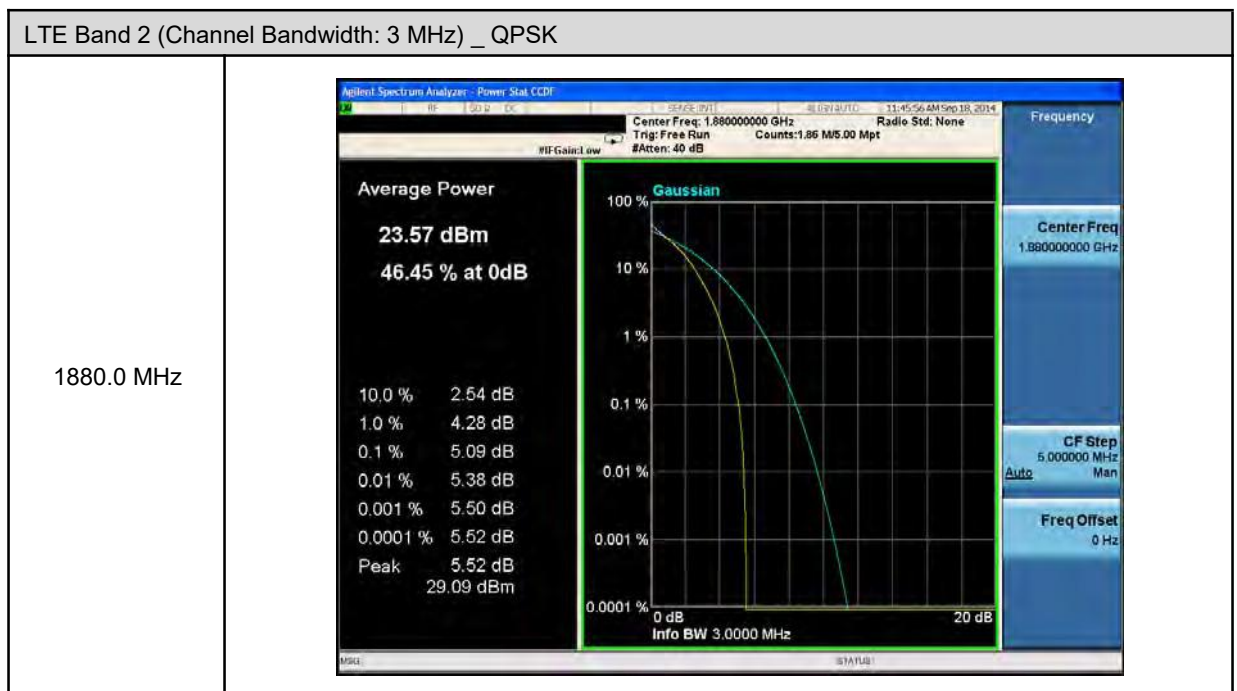
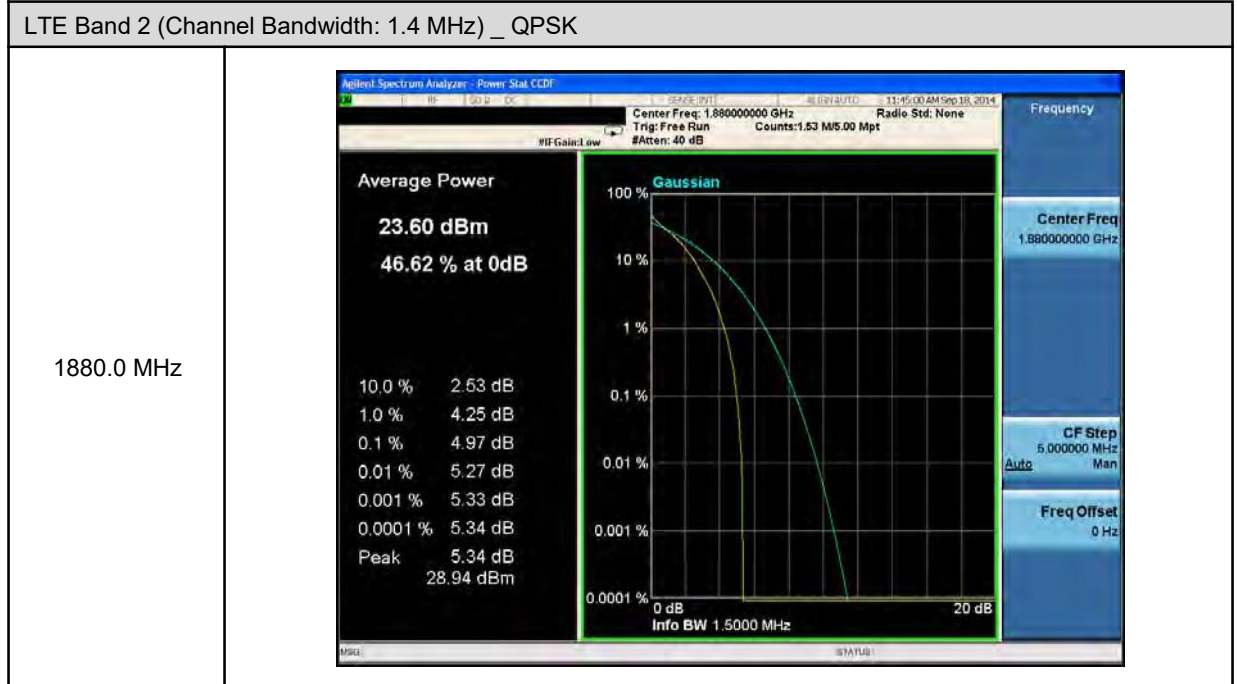
LTE Band 5				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	1.4 MHz	836.5	5.26	< 13
	3 MHz	836.5	5.41	< 13
	5 MHz	836.5	5.31	< 13
	10 MHz	836.5	5.47	< 13
16QAM	1.4 MHz	836.5	6.40	< 13
	3 MHz	836.5	6.61	< 13
	5 MHz	836.5	6.47	< 13
	10 MHz	836.5	6.64	< 13

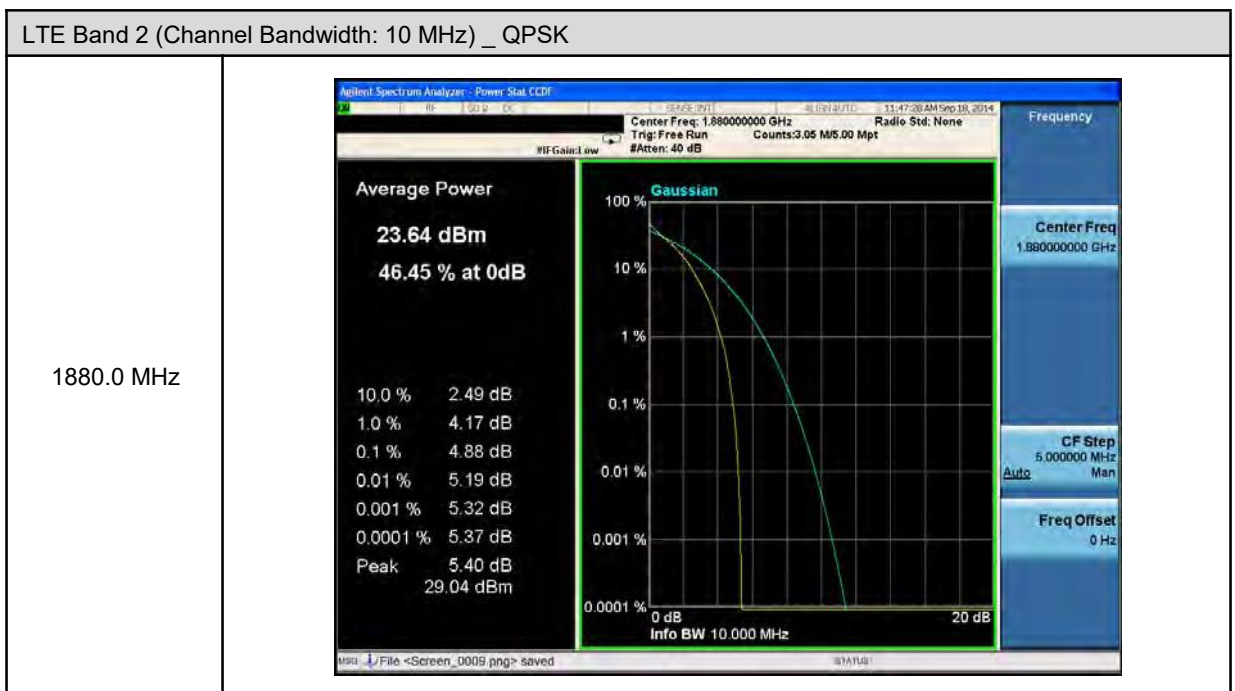
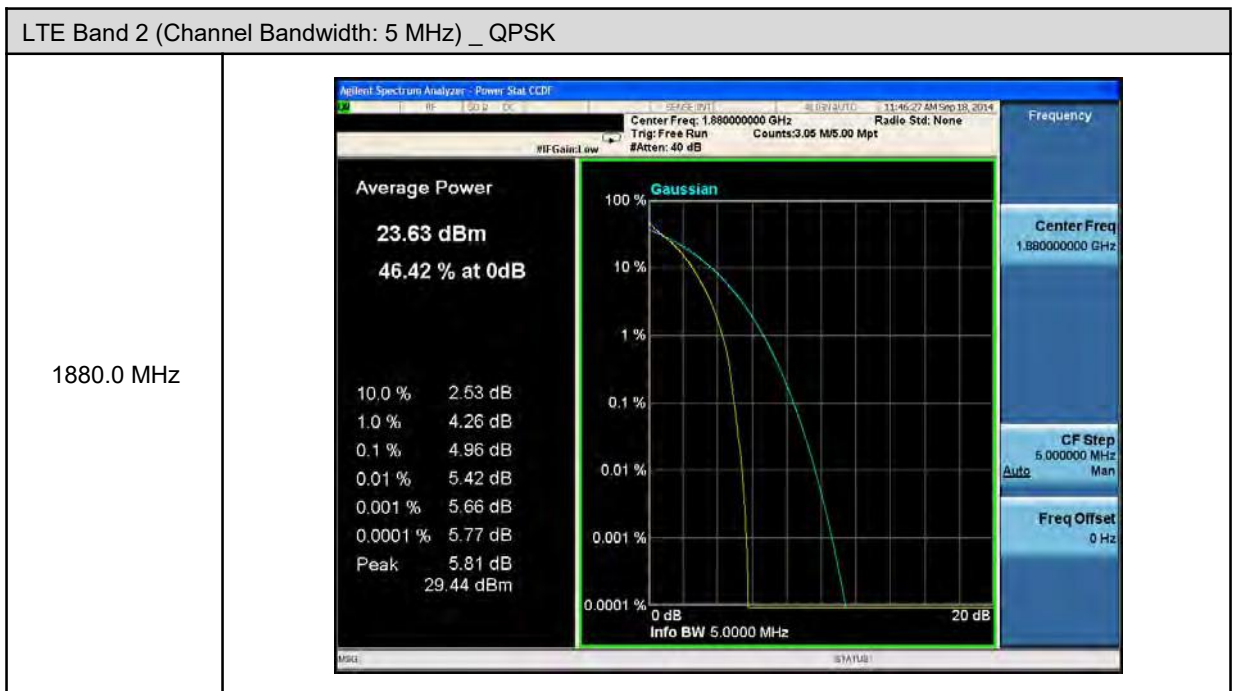
LTE Band 7				
Modulation	Channel Bandwidth	Frequency (MHz)	Peak to Average Ratio (dB)	Limit (dB)
QPSK	5 MHz	2535.0	4.03	< 13
	10 MHz	2535.0	4.18	< 13
	15 MHz	2535.0	4.37	< 13
	20 MHz	2535.0	4.53	< 13
16QAM	5 MHz	2535.0	5.18	< 13
	10 MHz	2535.0	5.32	< 13
	15 MHz	2535.0	5.56	< 13
	20 MHz	2535.0	5.72	< 13

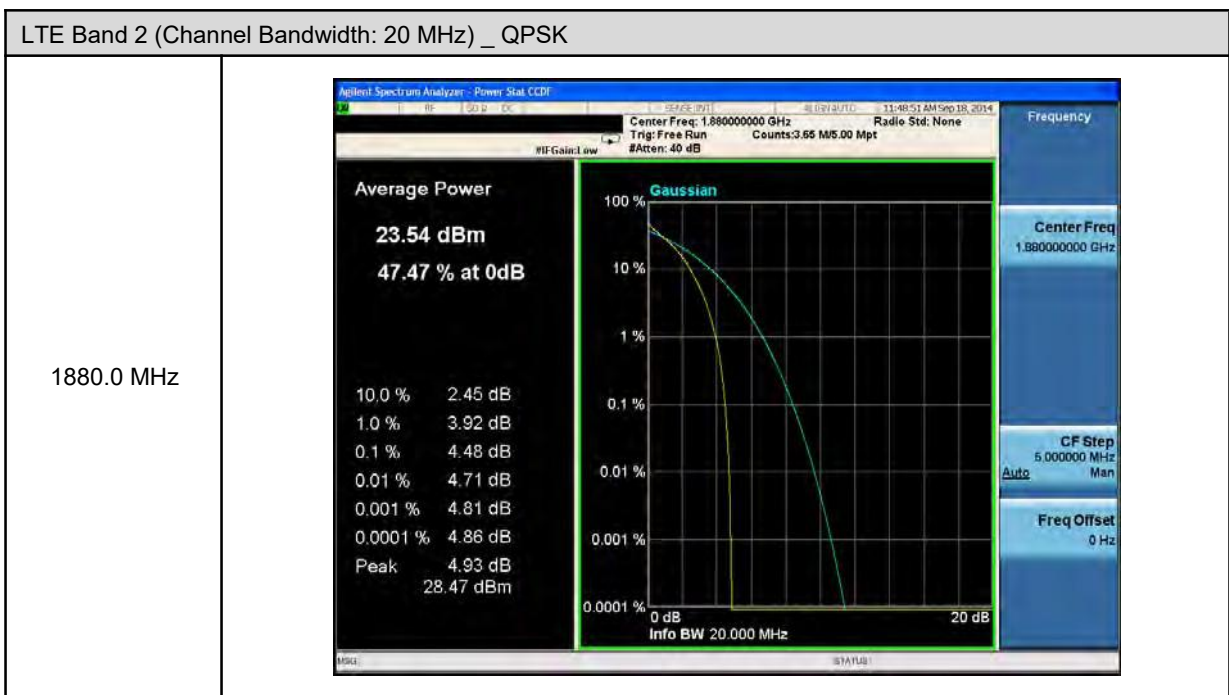
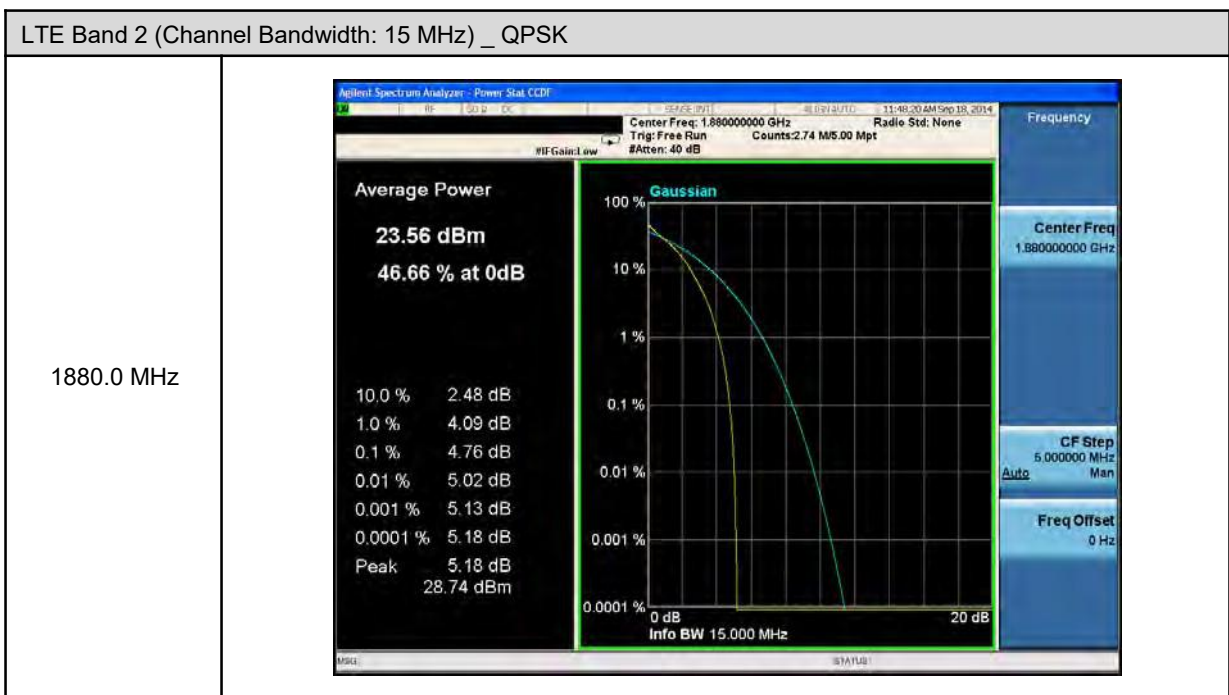


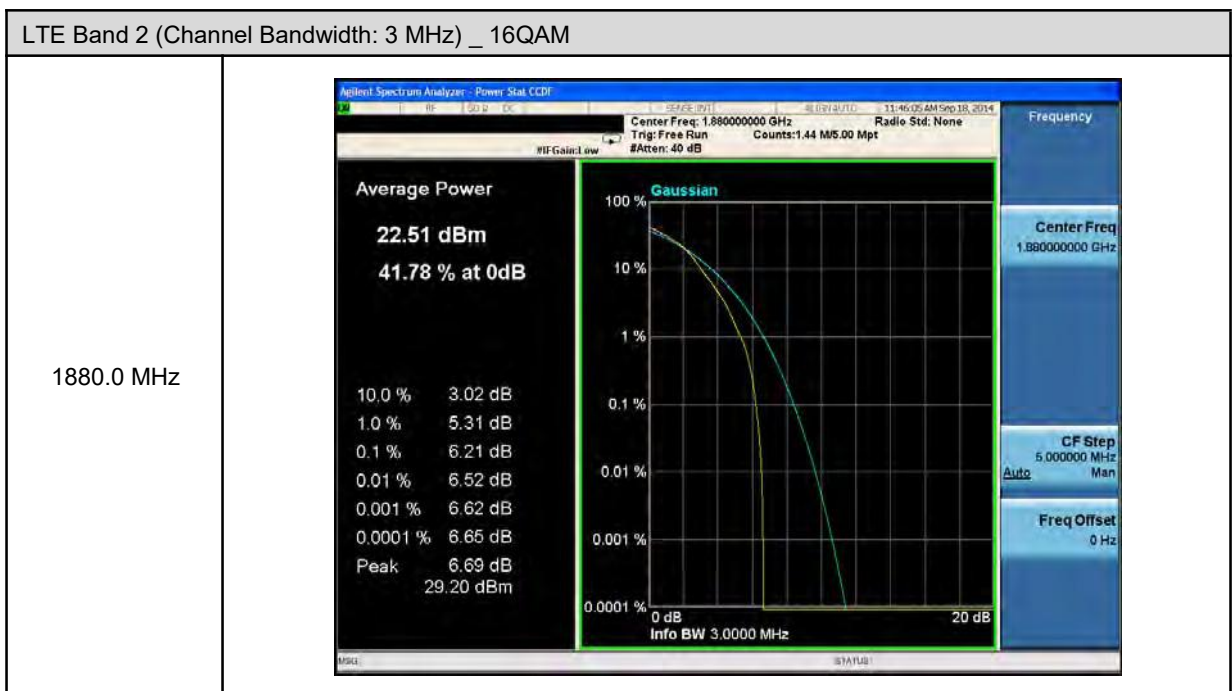
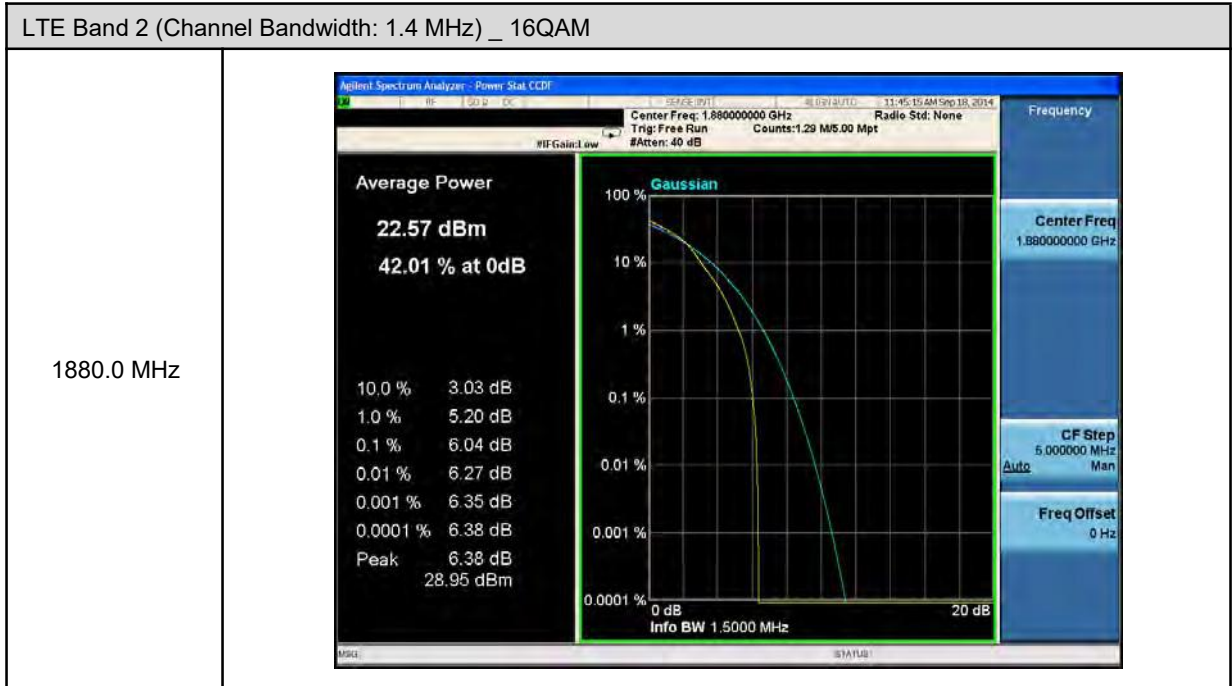


## 6.5. Test Graphs

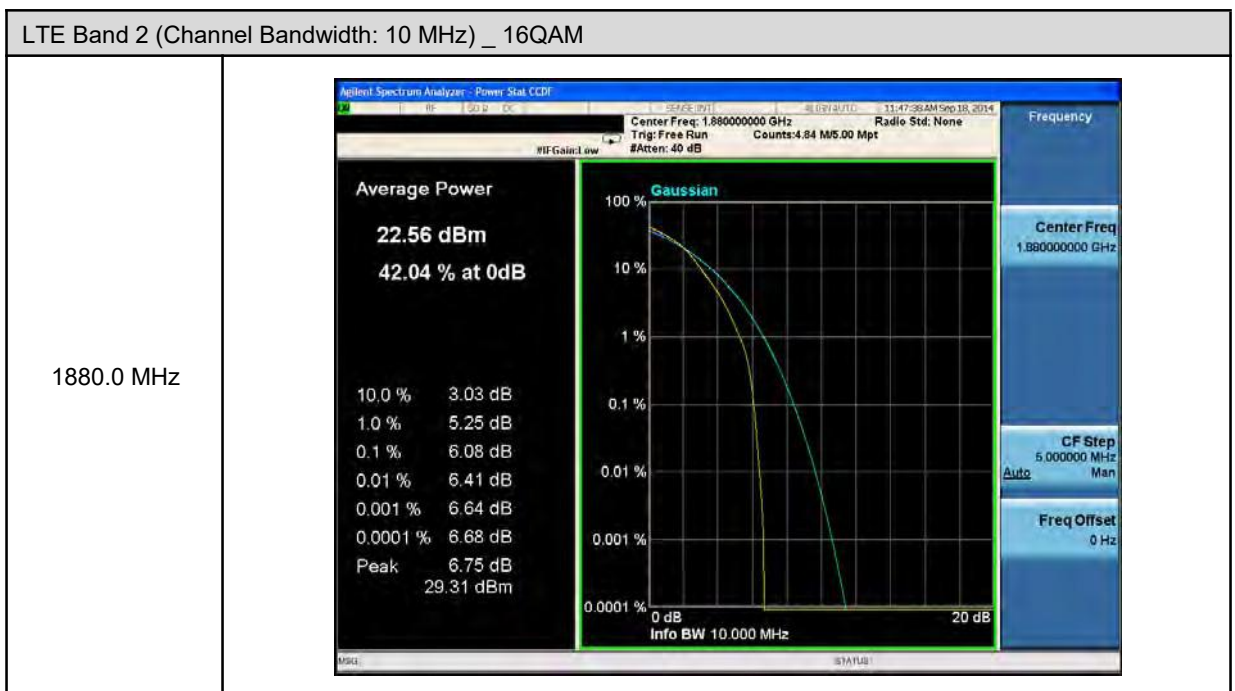
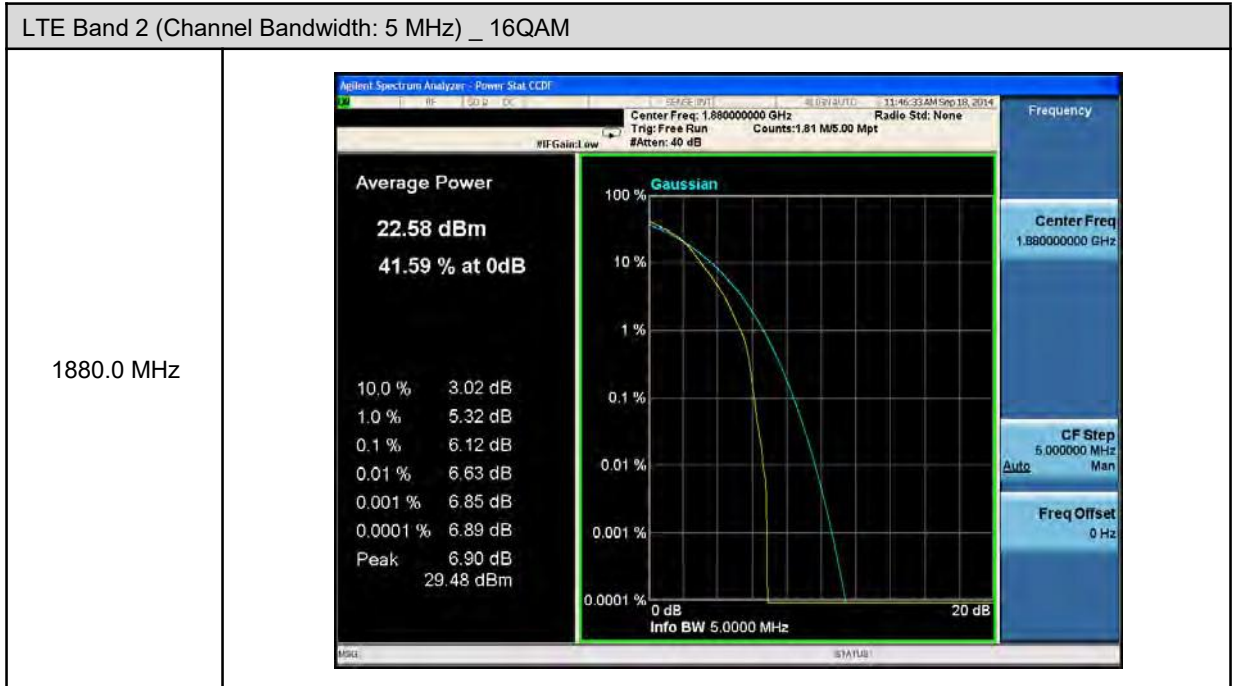


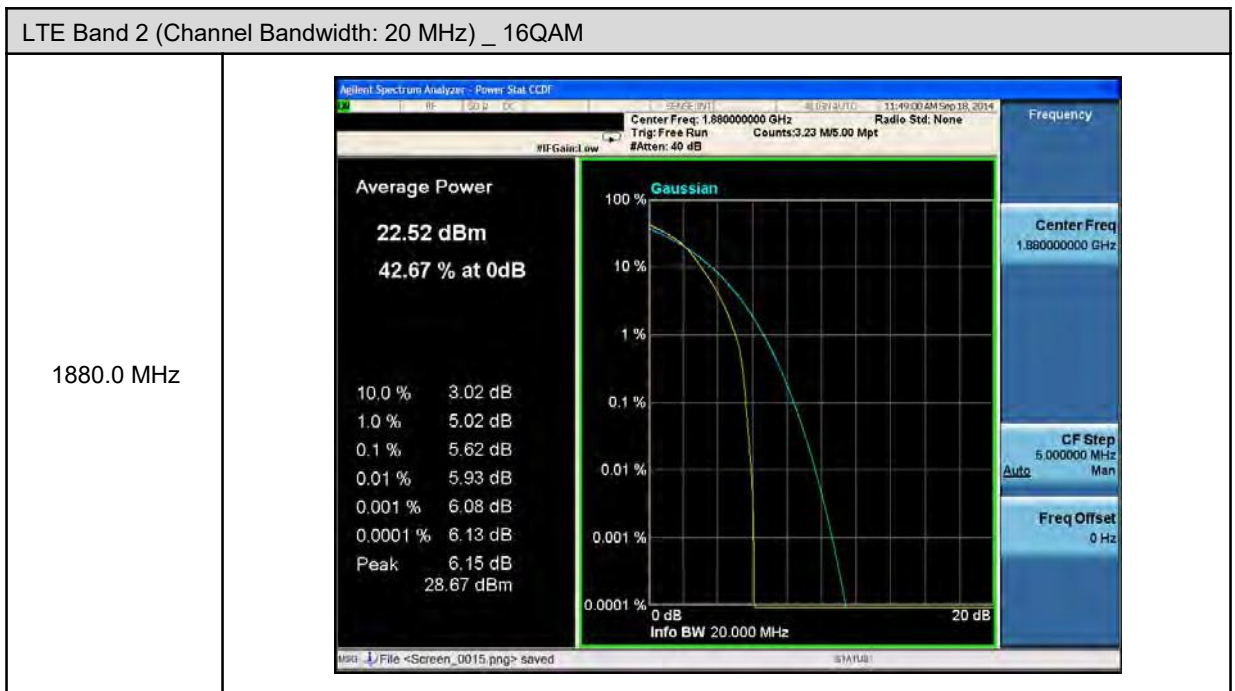
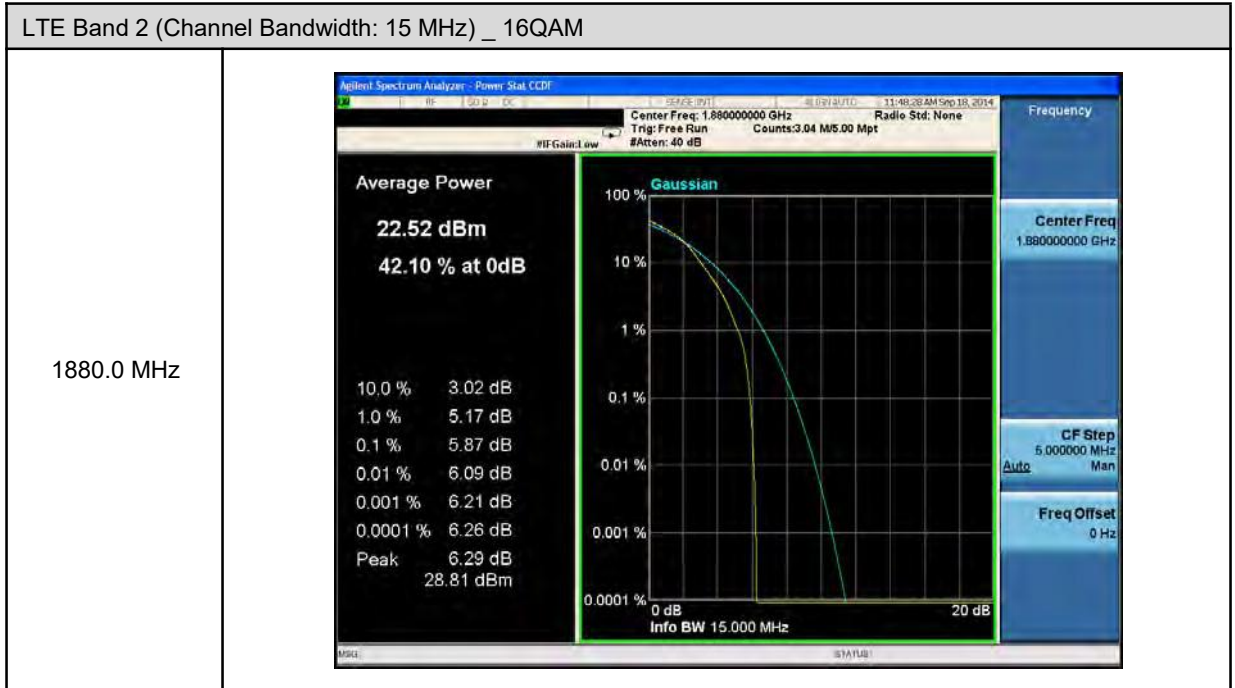


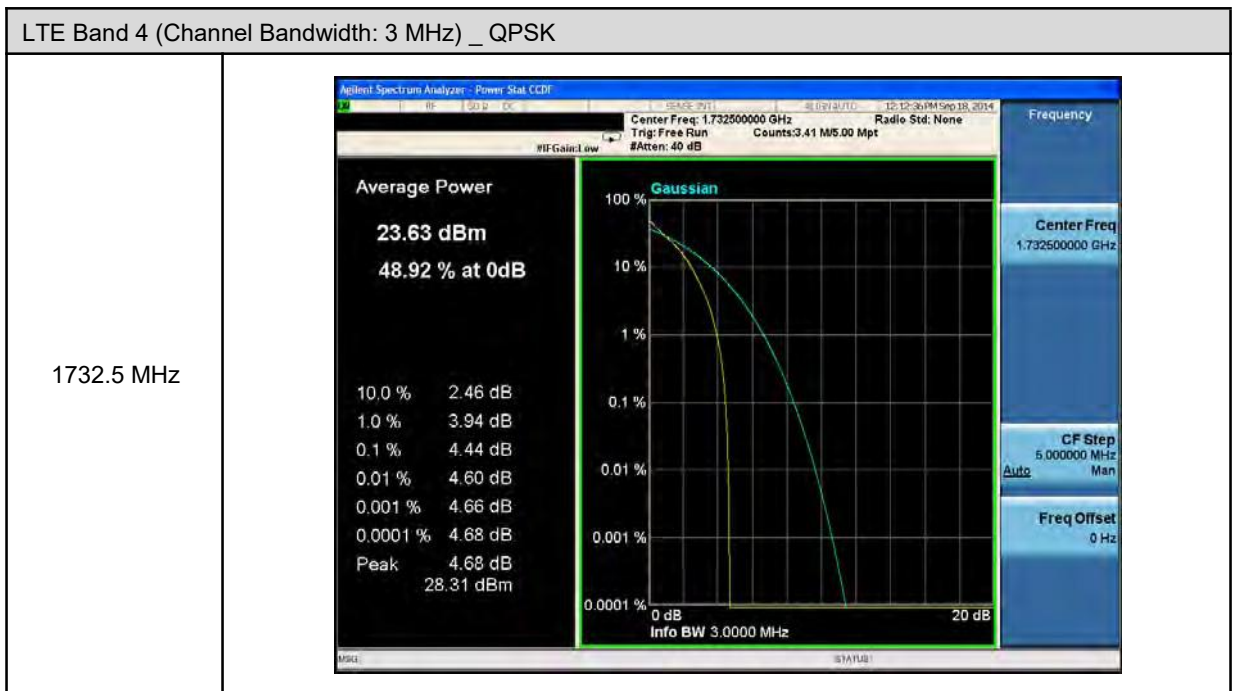
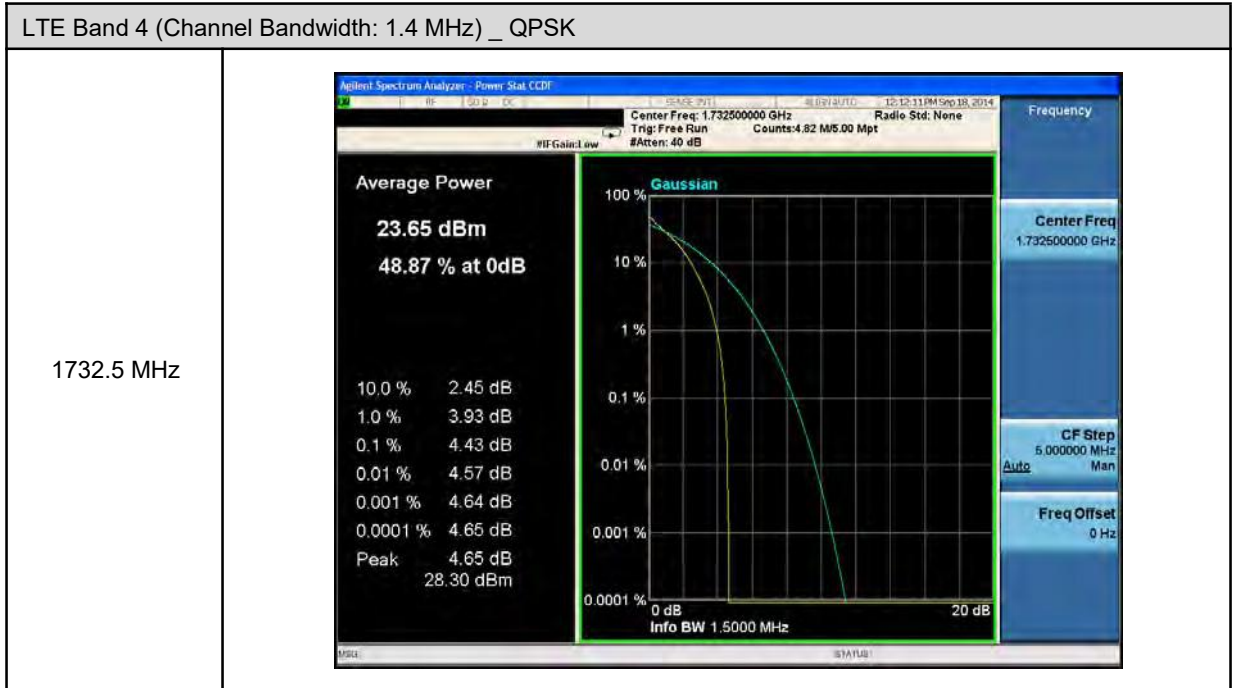


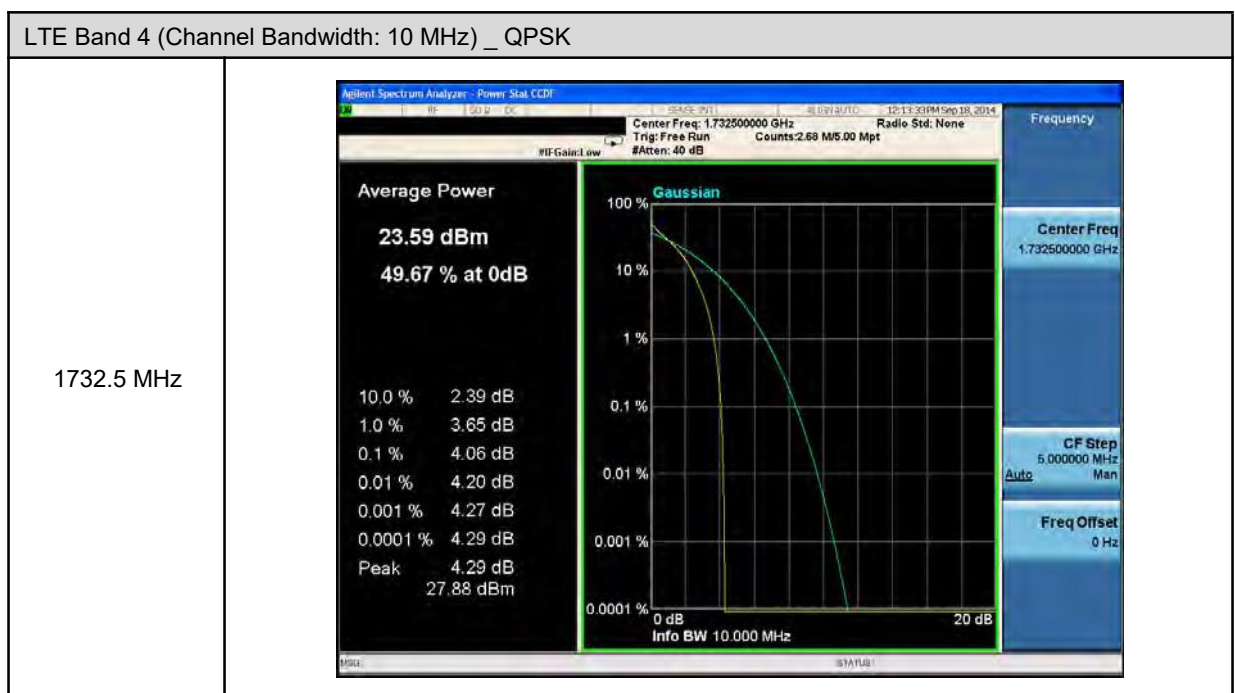
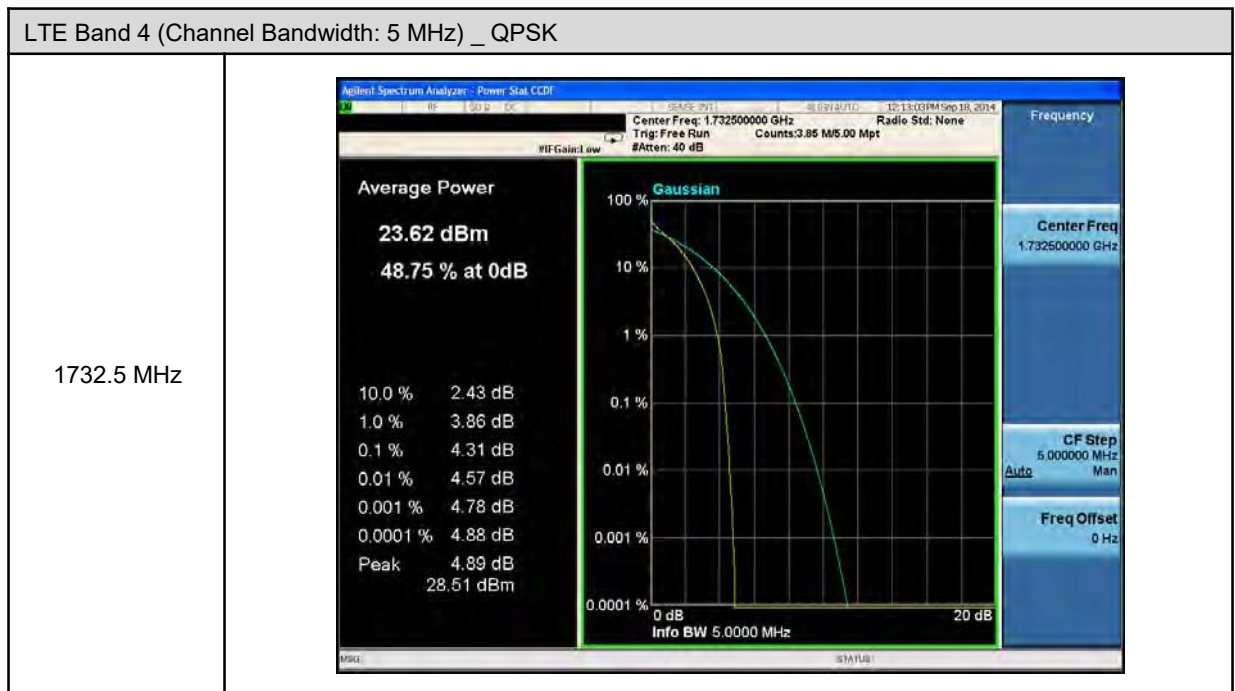




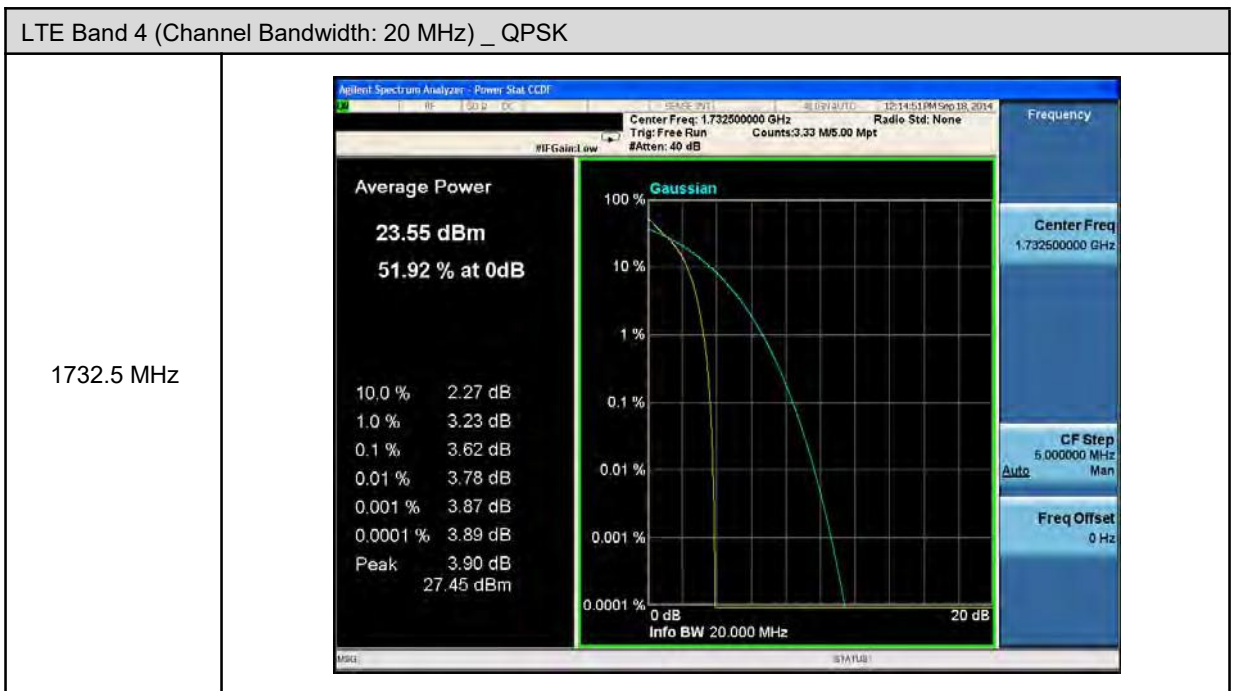
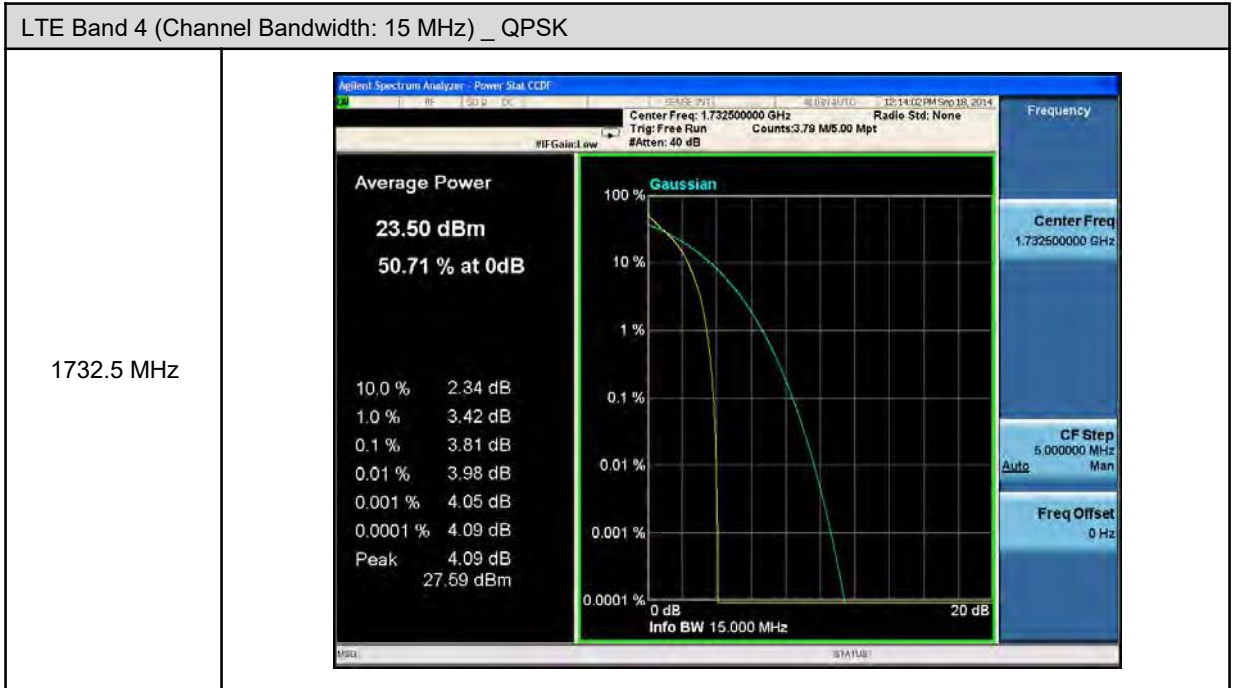


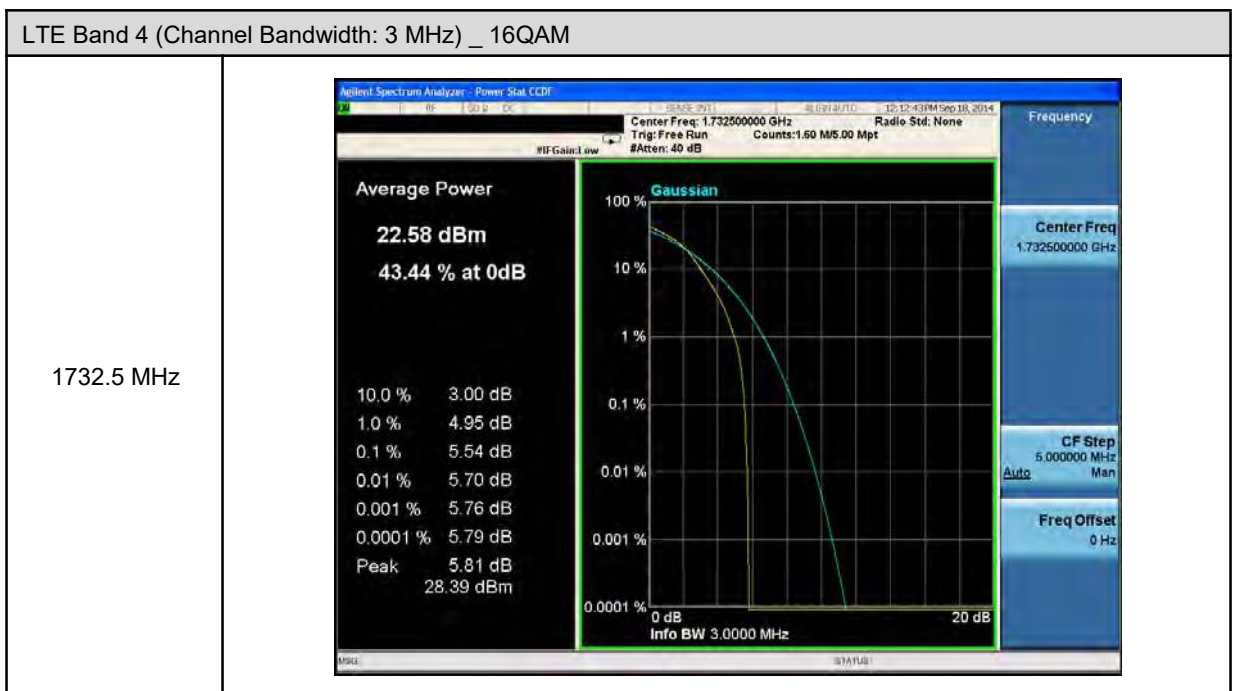
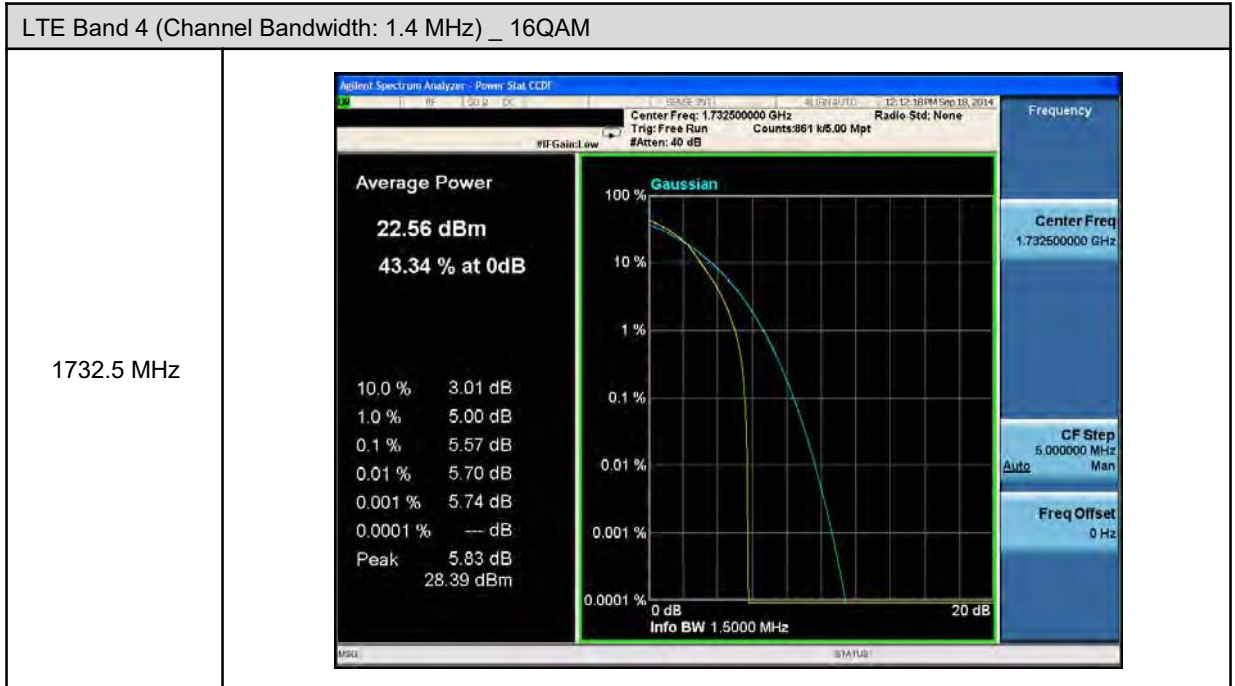


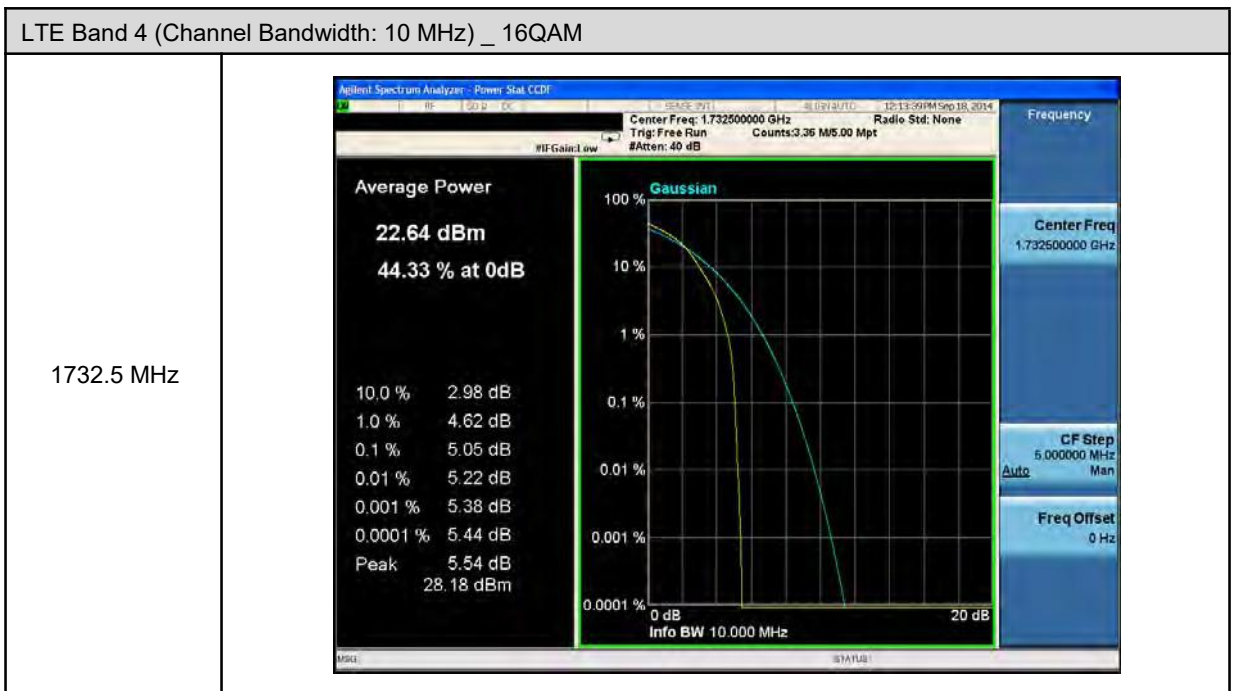
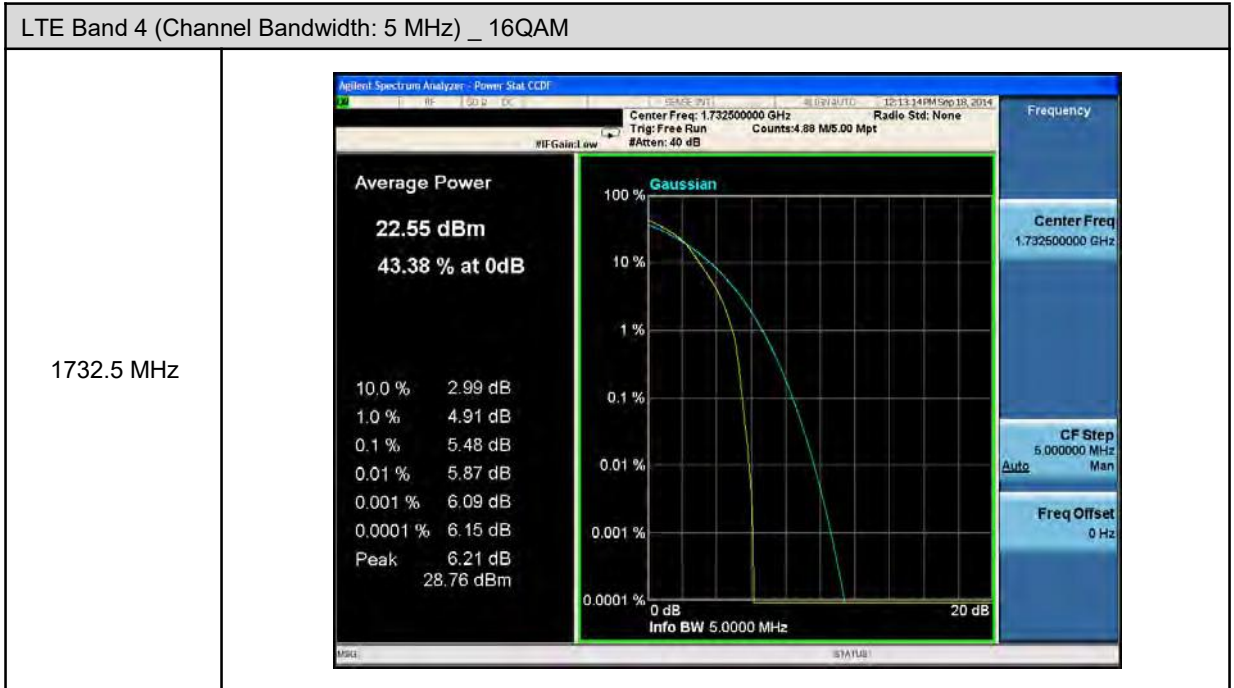


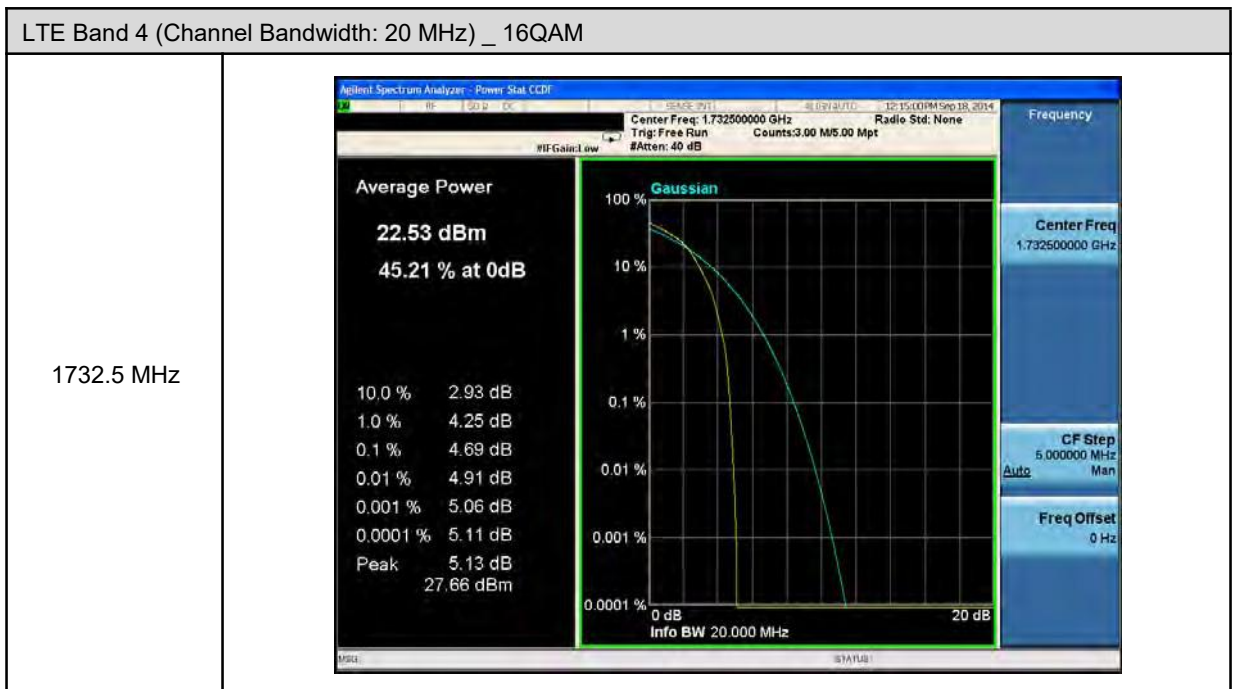
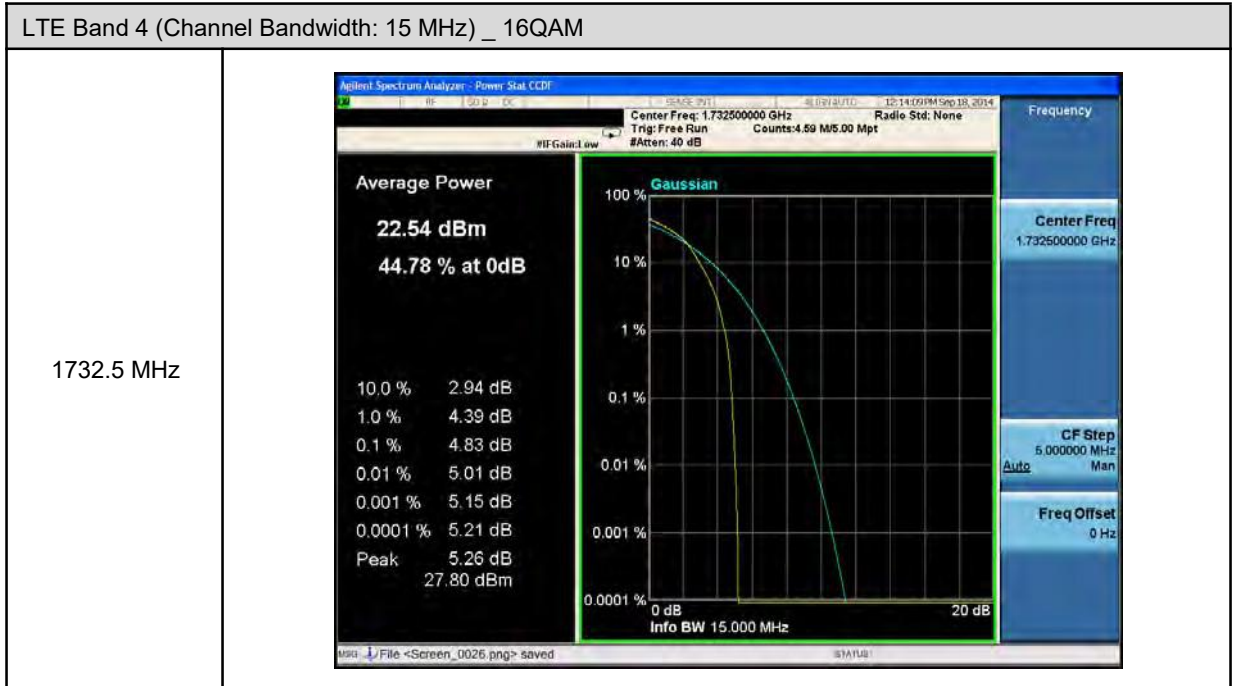




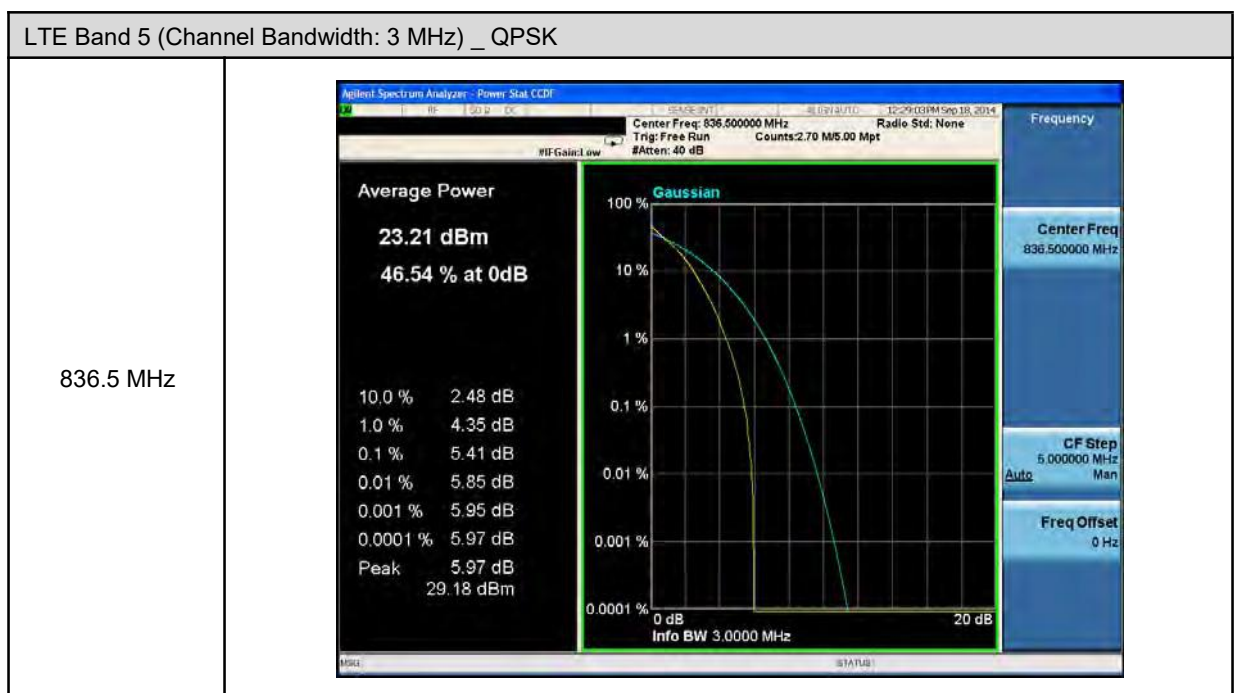
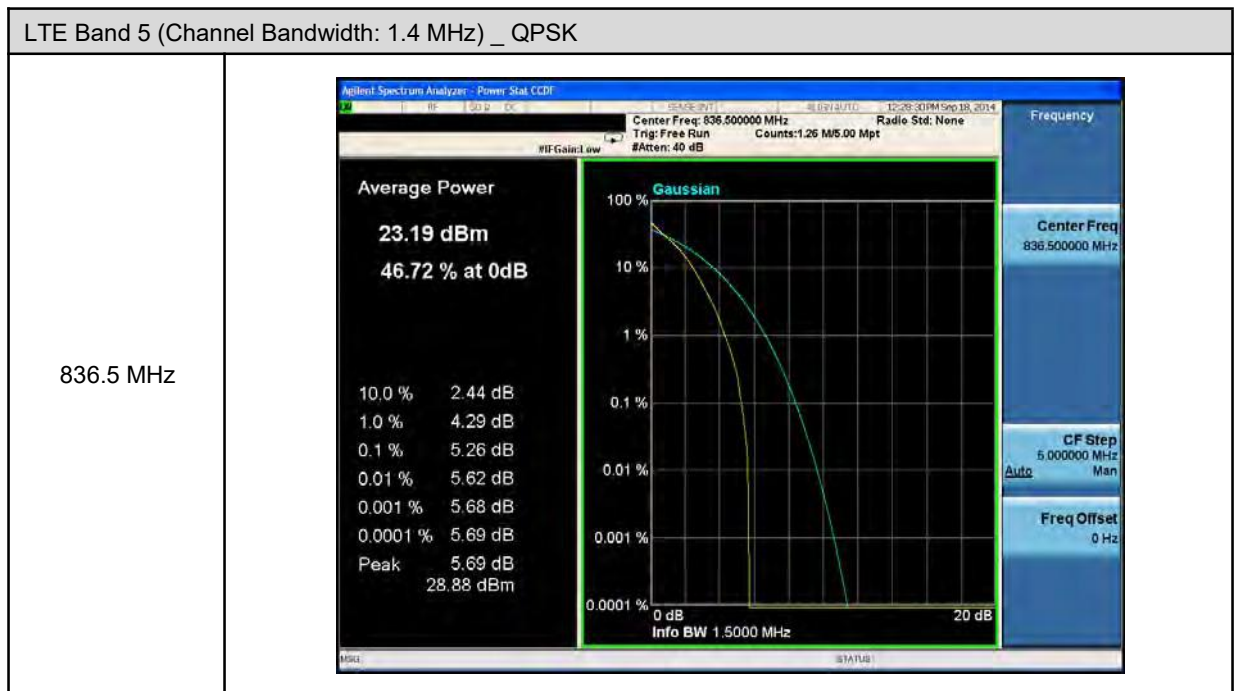




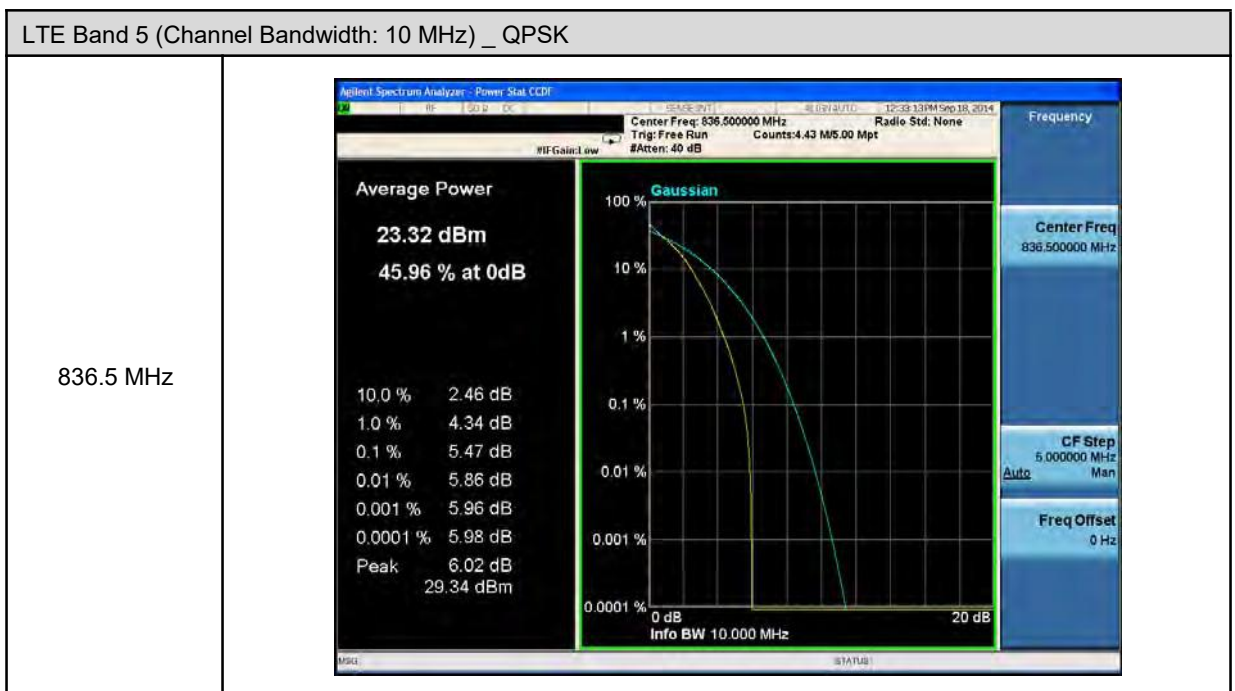
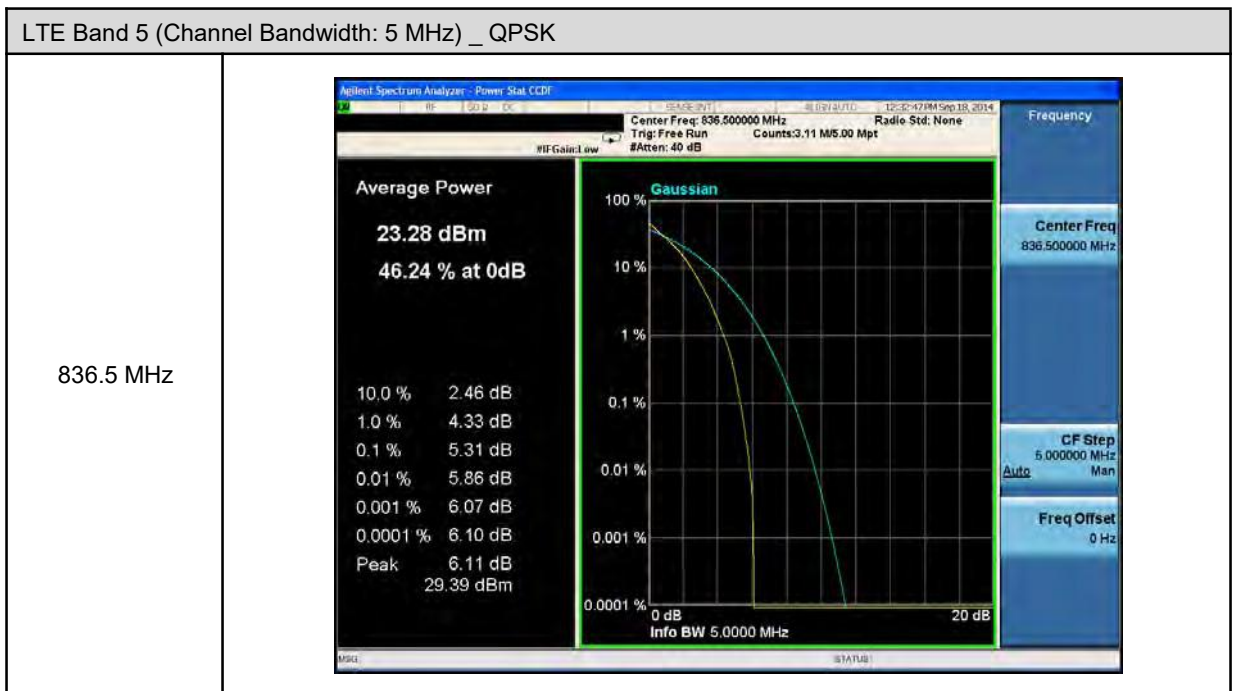


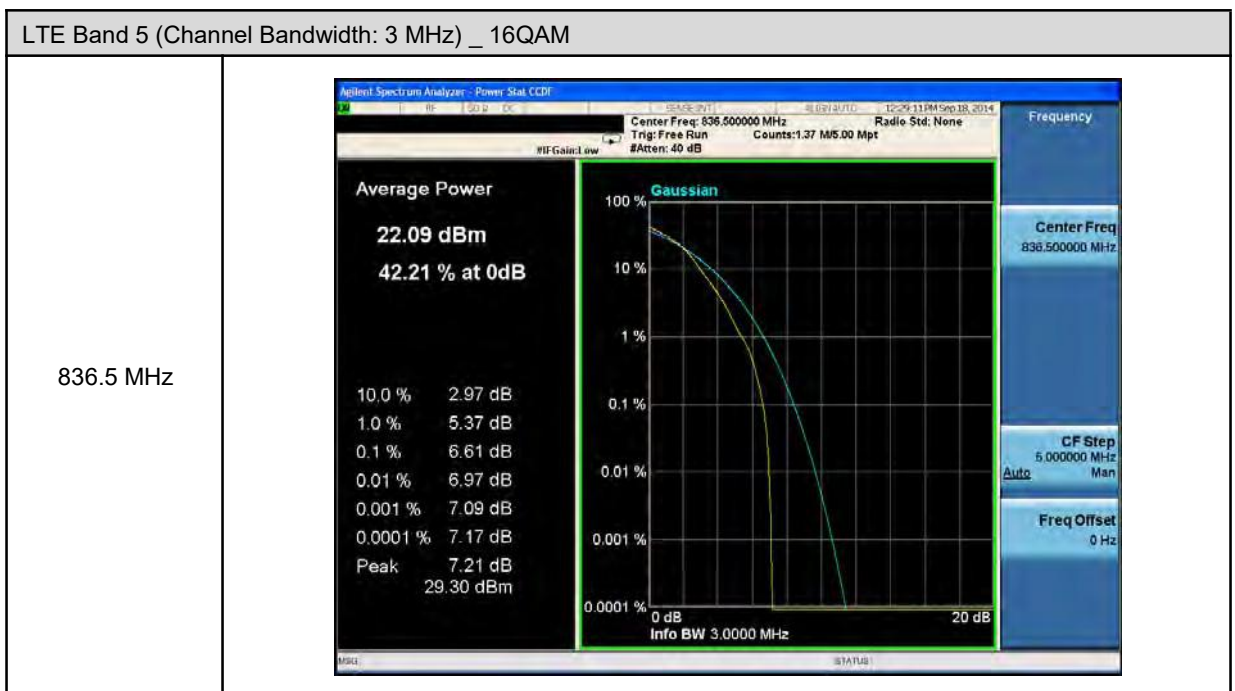
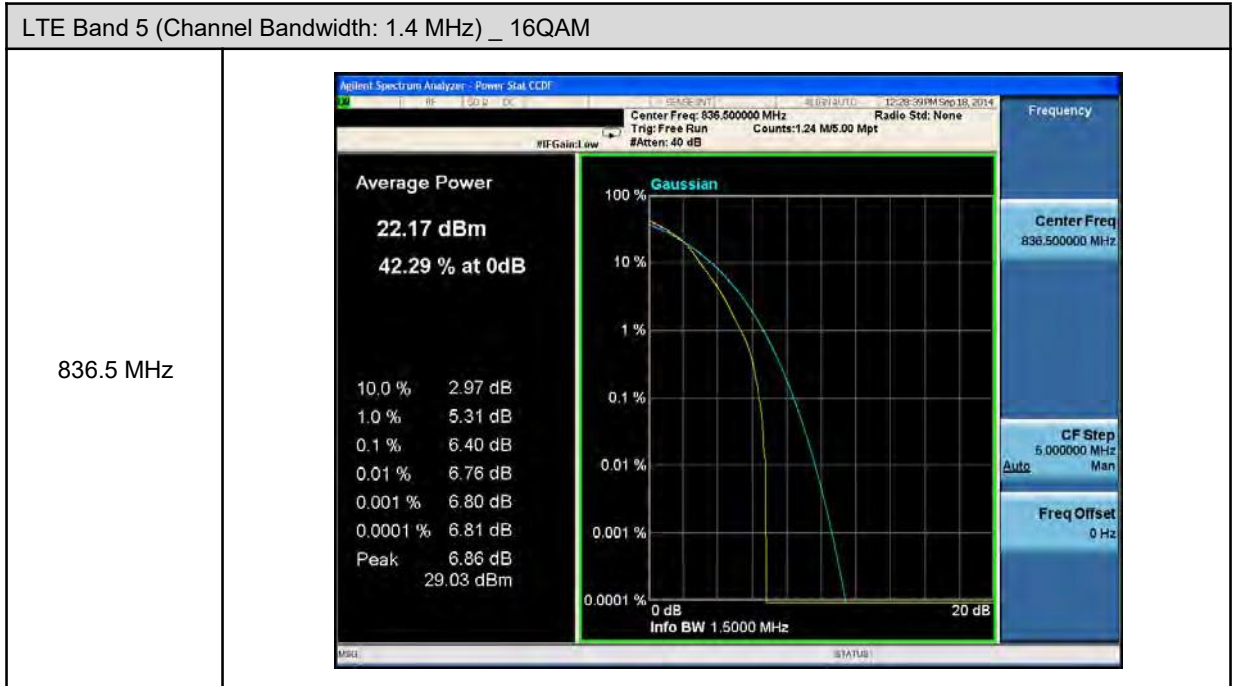


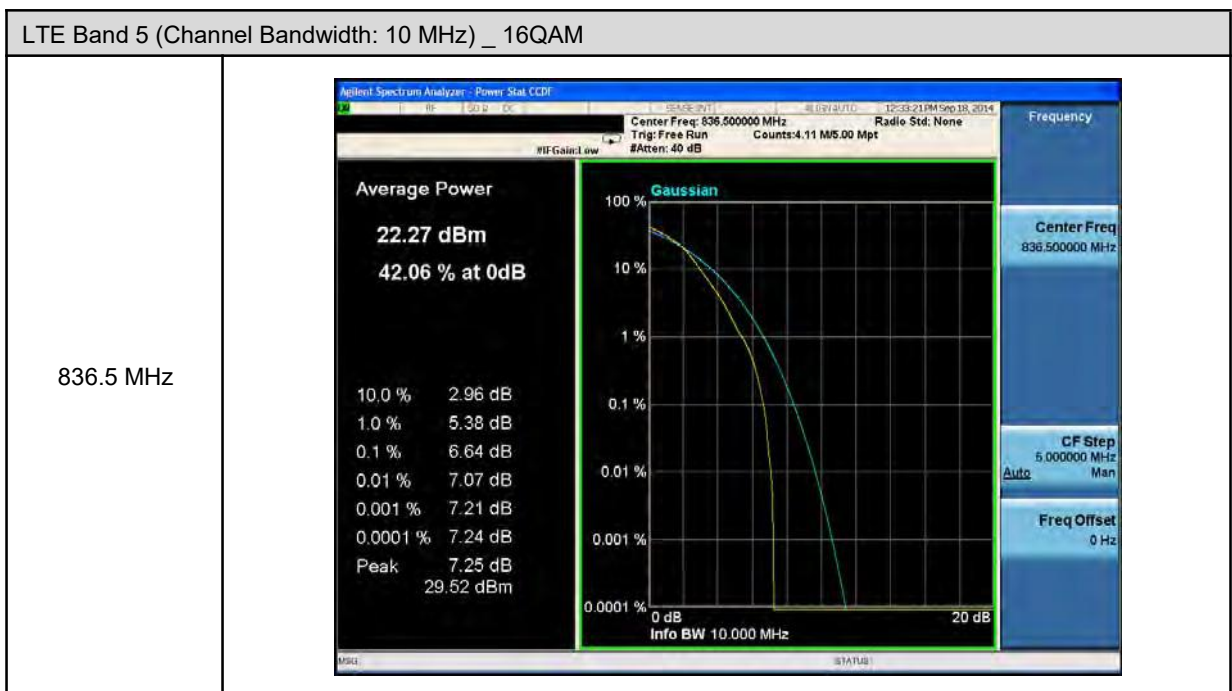
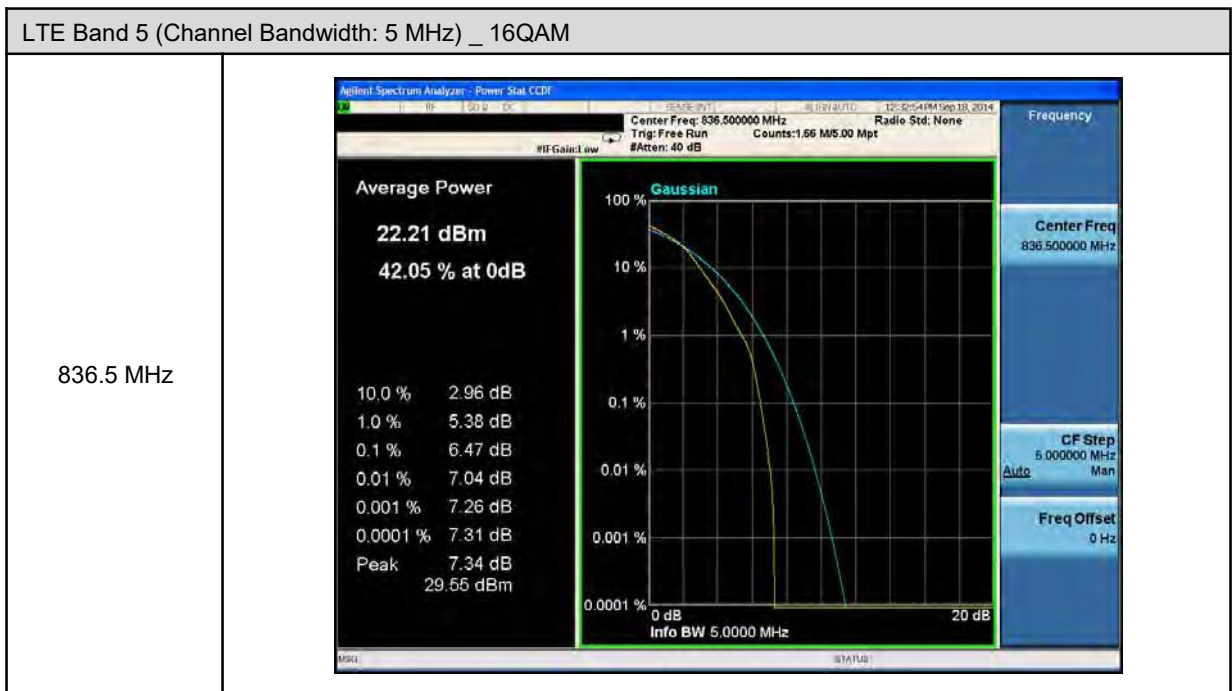


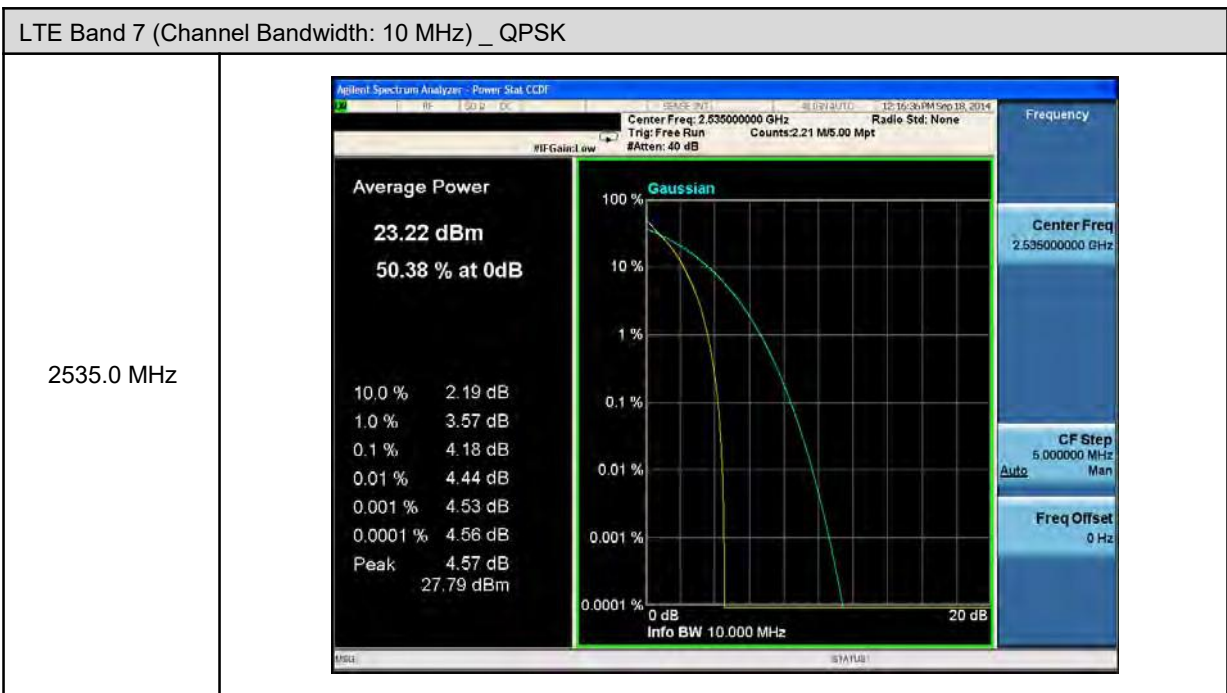
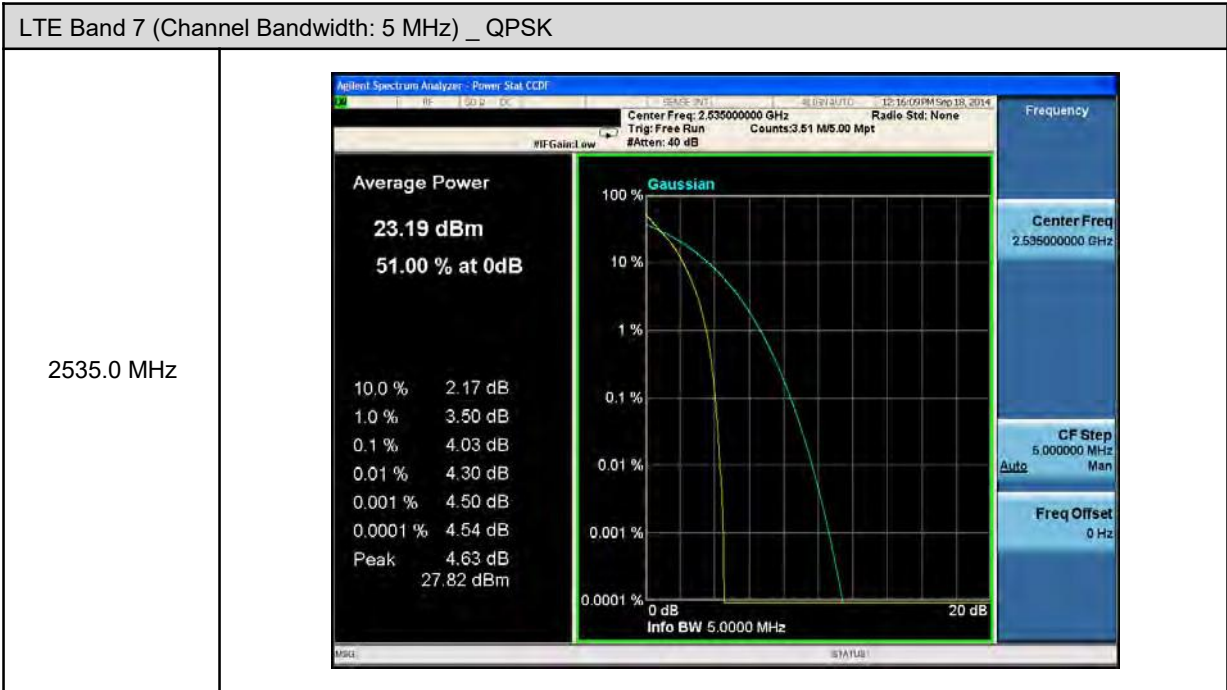




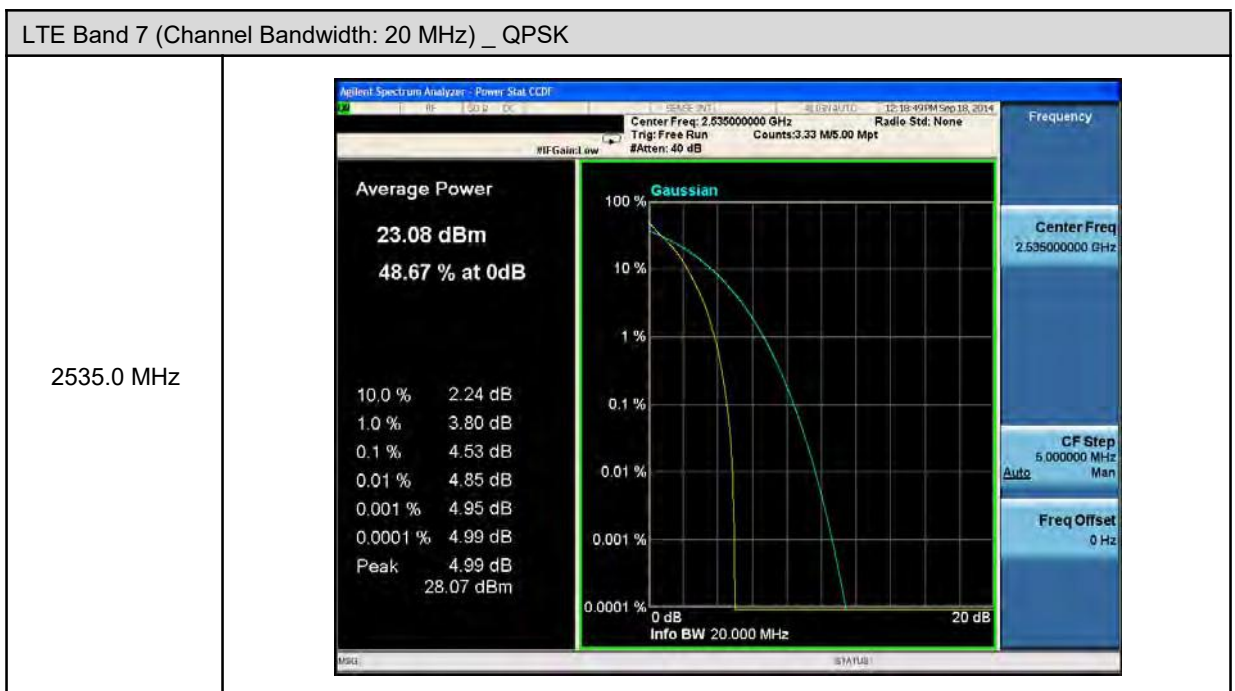
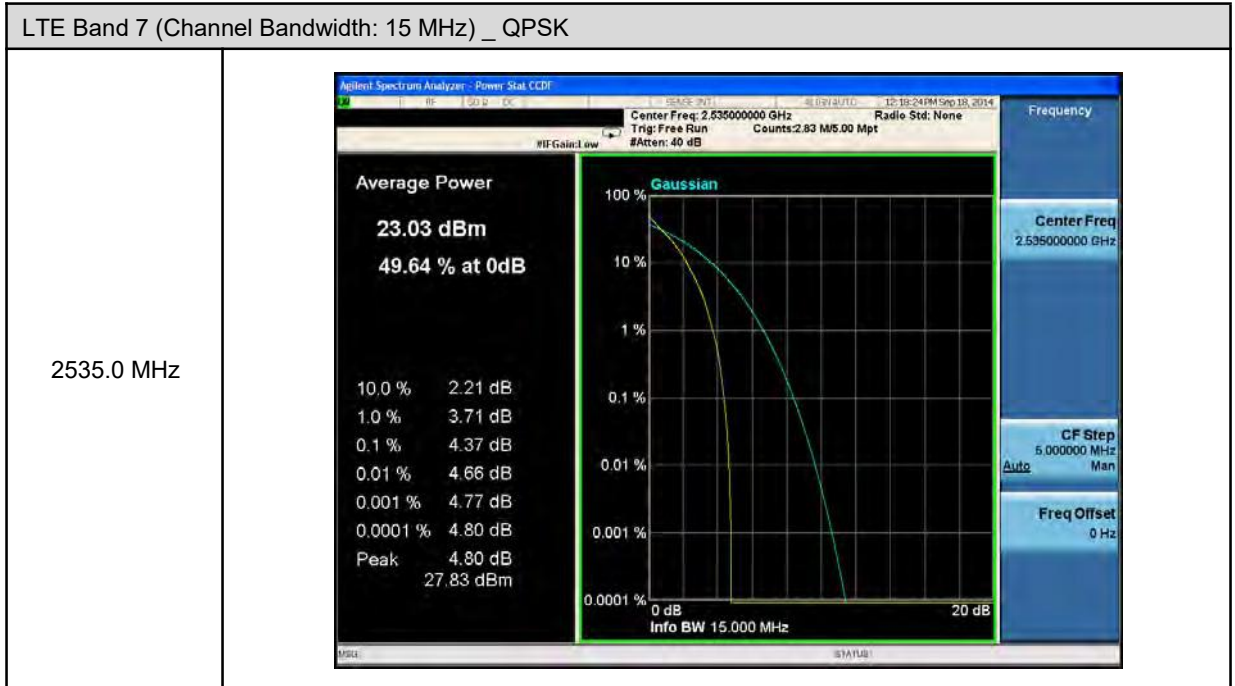




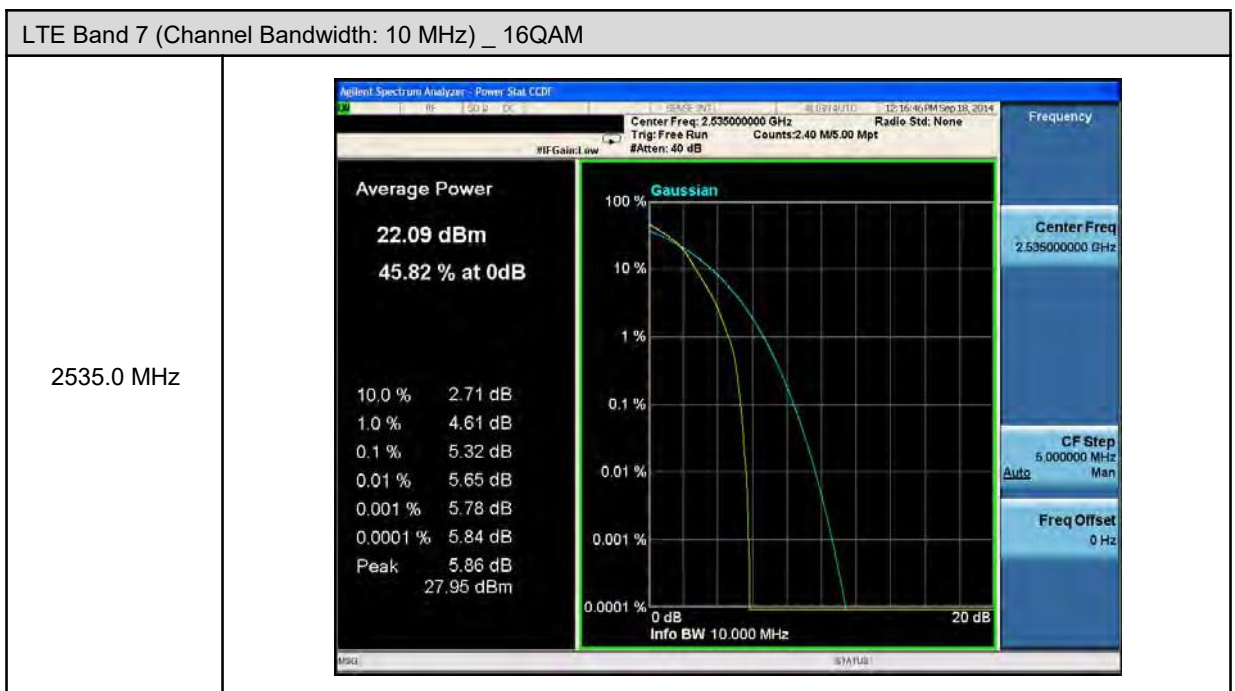
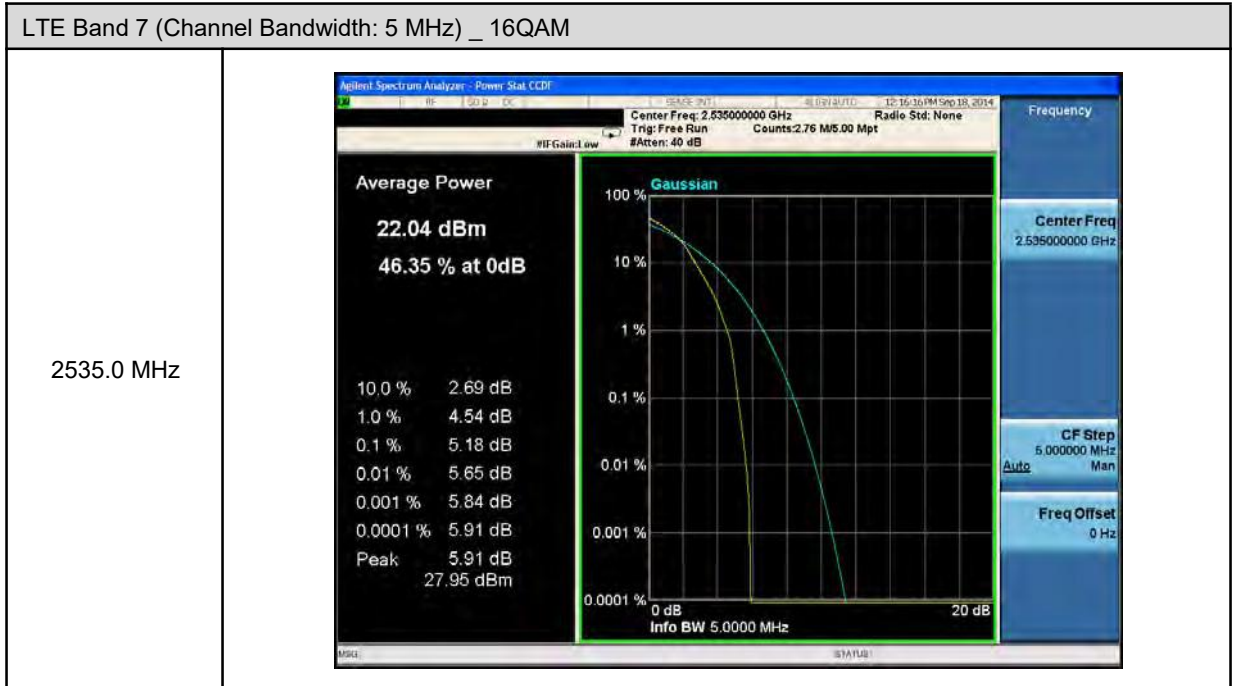


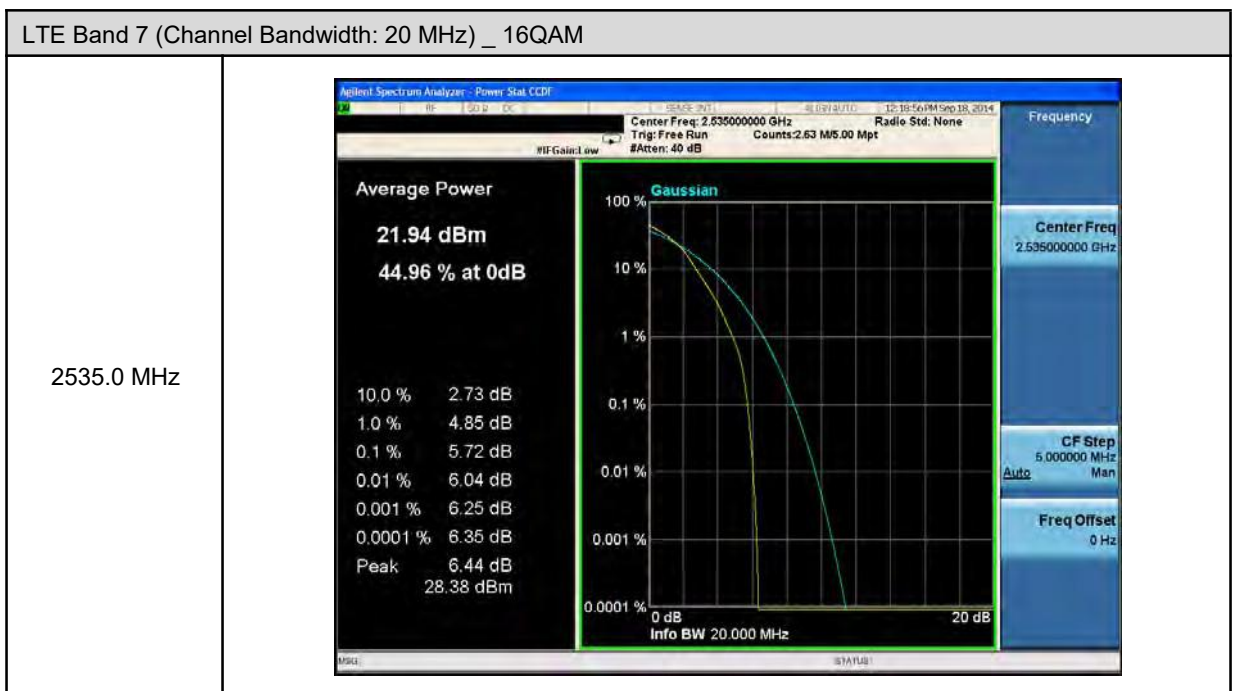
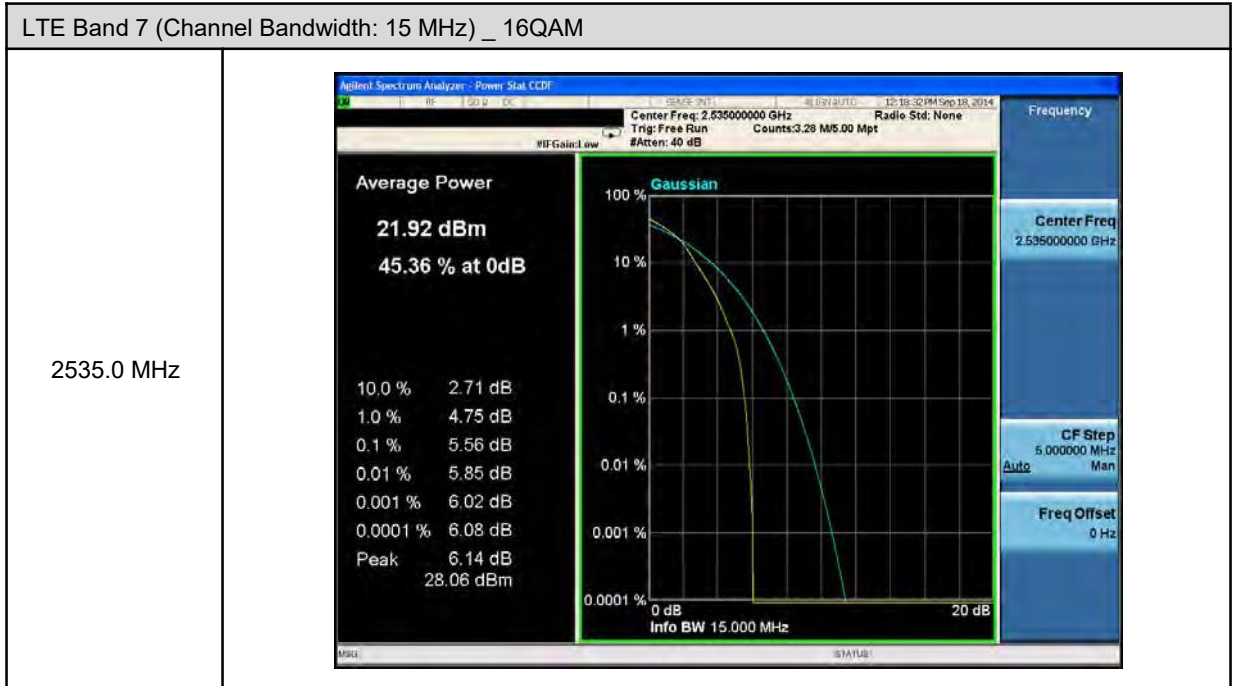














## 7 Band Edge Test

### 7.1. Limit

The Band Edge Limit:

§22.917(a), §24.238(a)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10\log(P)$  dB.

§27.53(c)(2)

On any frequency outside the 777-787 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least  $43 + 10\log(P)$  dB.

§27.53(c)(4)

On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than  $65 + 10\log(P)$  dB in a 6.25 kHz band segment, for mobile and portable stations.

§27.53(g)

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10\log_{10}(P)$  dB.

§27.53(m)

For mobile digital stations, the attenuation factor shall be not less than  $43 + 10\log(p)$  dB at the channel edge and  $55 + 10\log(P)$  dB at 5.5 megahertz from the channel edges.

Part 27.53(m)(4) / specifies that " For BRS and EBS stations.

For mobile digital stations, the attenuation factor shall be not less than  $40 + 10\log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10\log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10\log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(4) of this section. In addition, the attenuation factor shall not be less than  $43 + 10\log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10\log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.