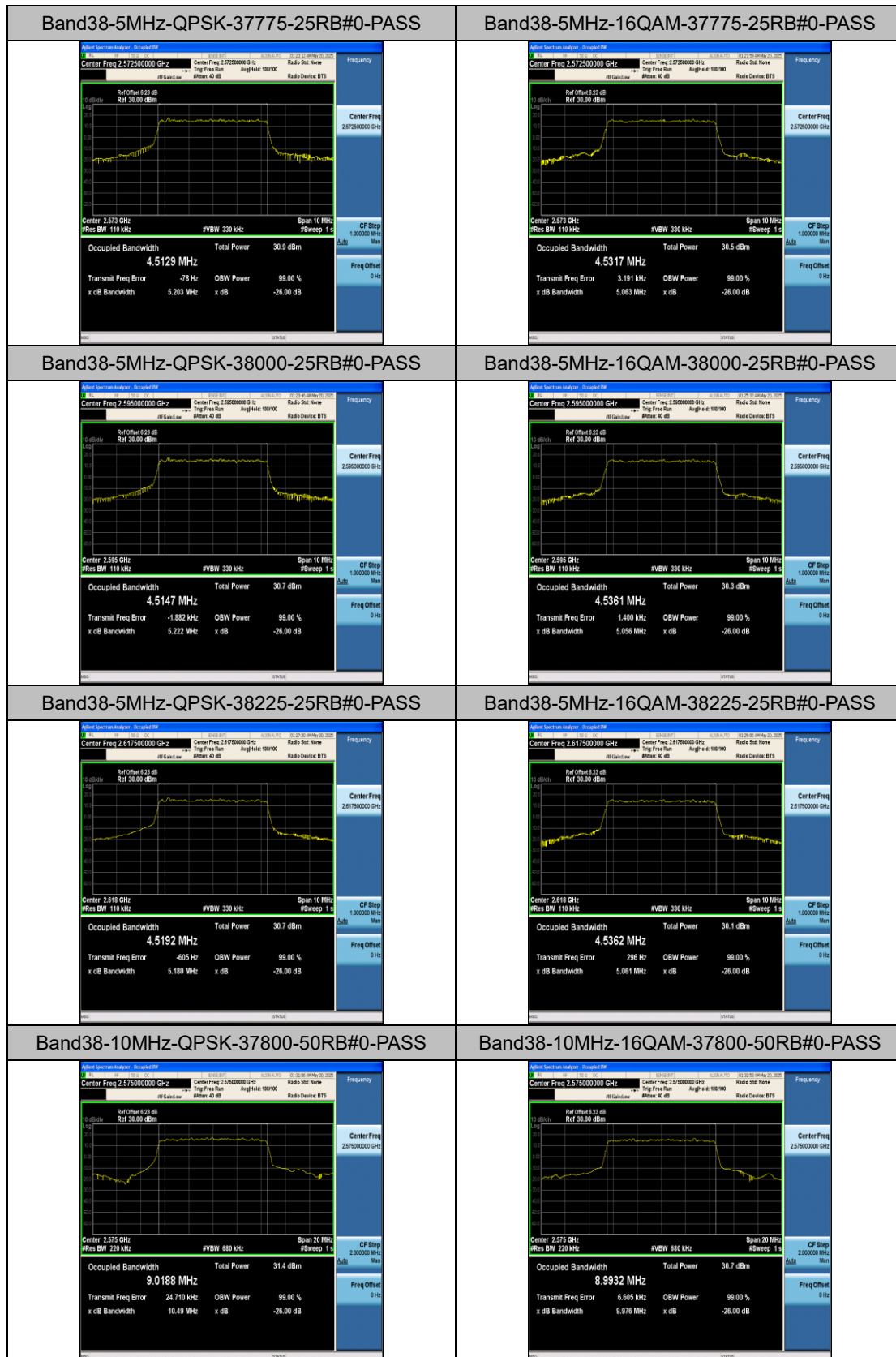
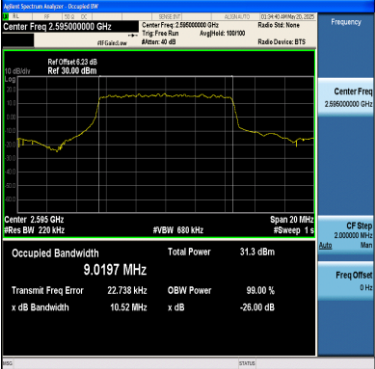
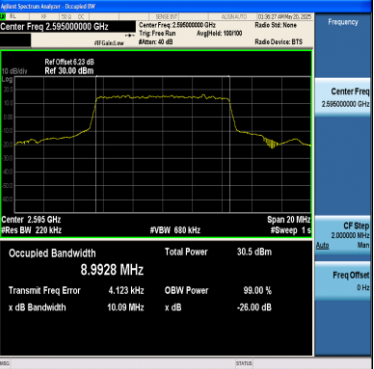
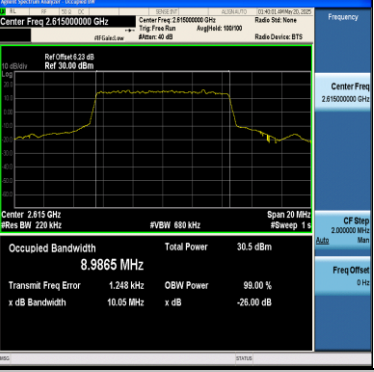
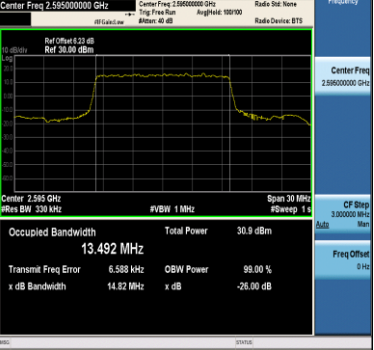
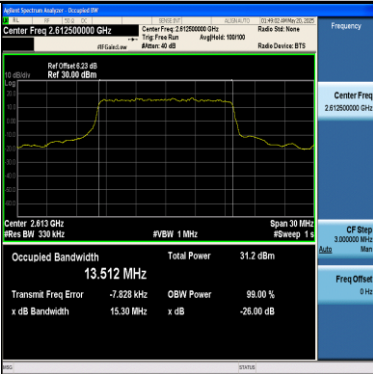
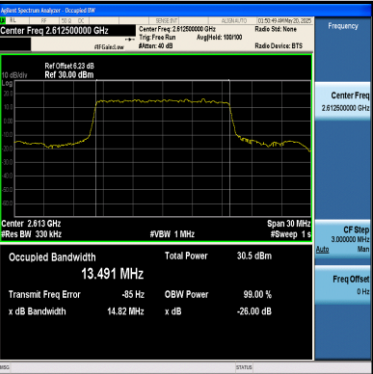
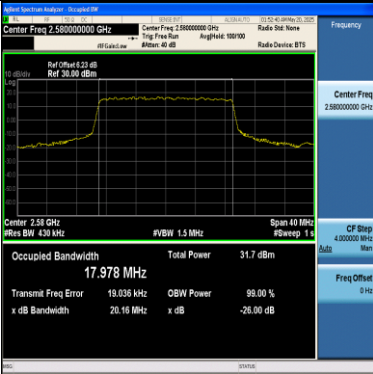
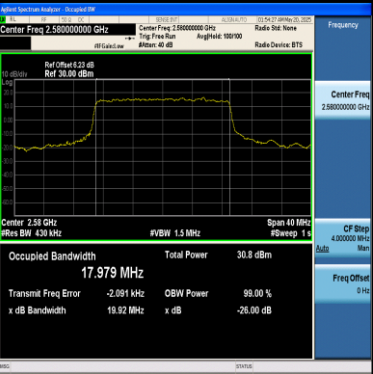
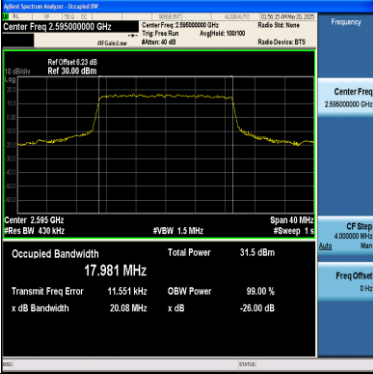
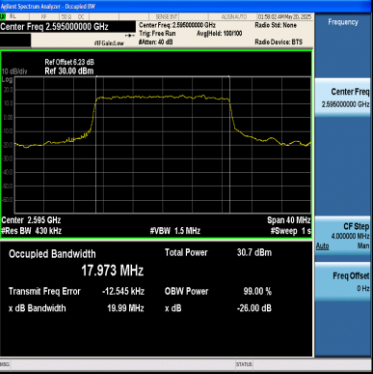
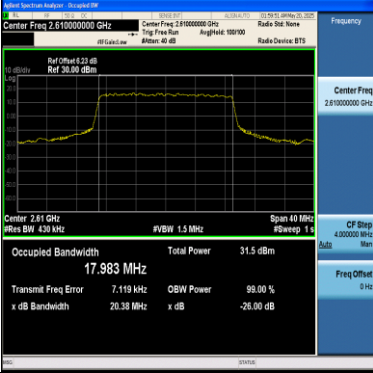
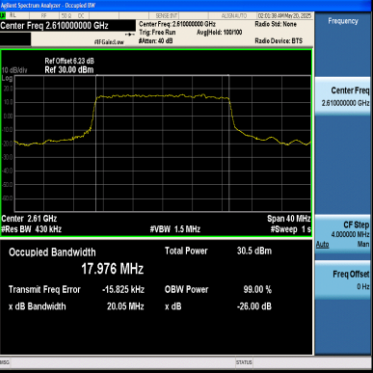


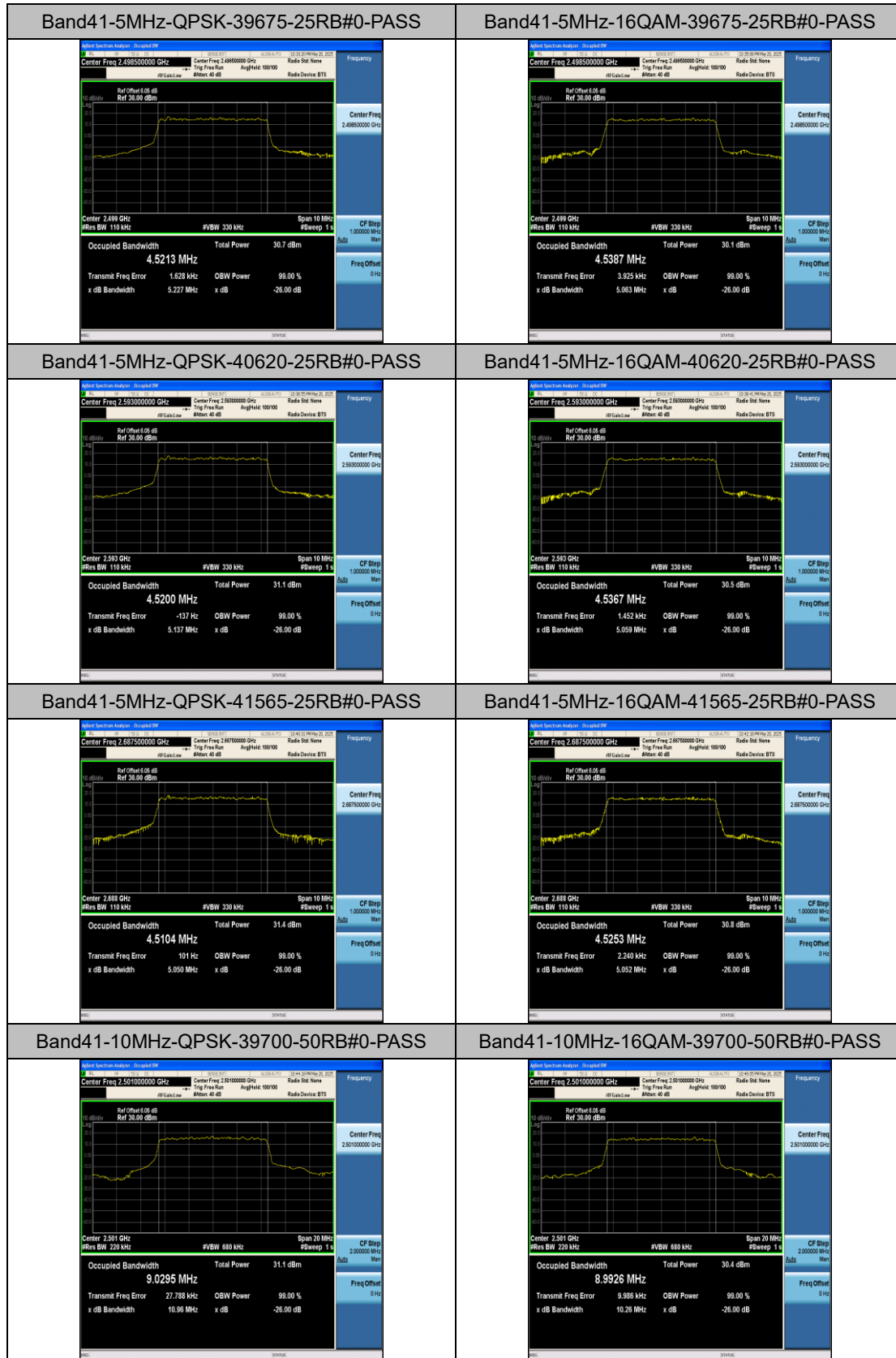
LTE Band 38 Test Graphs



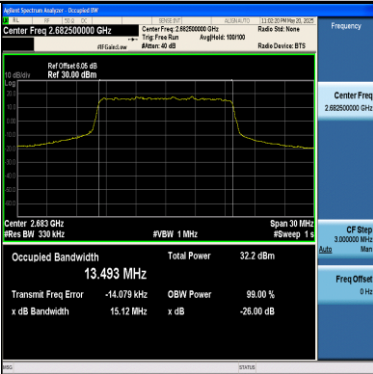
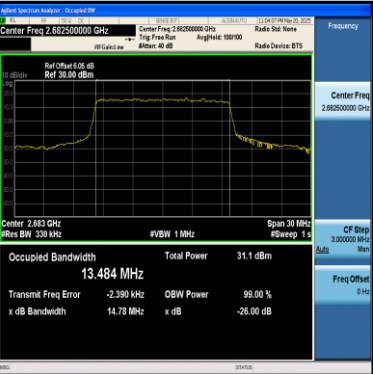
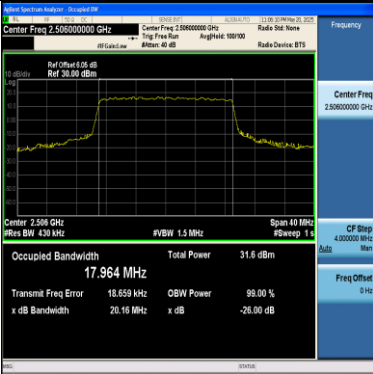
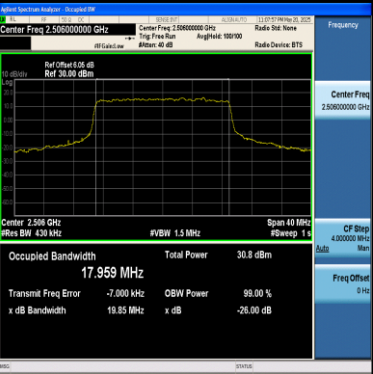
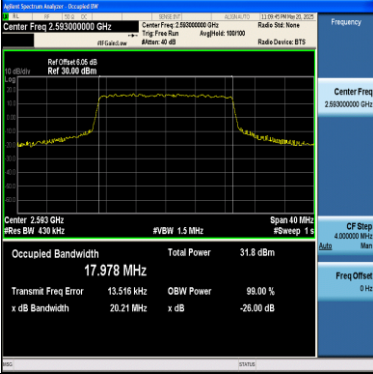
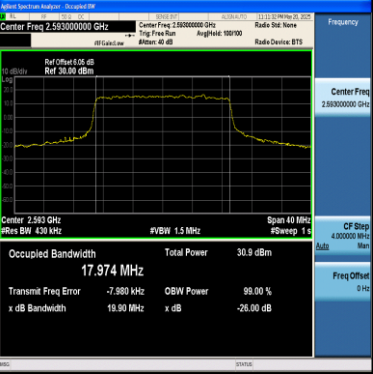
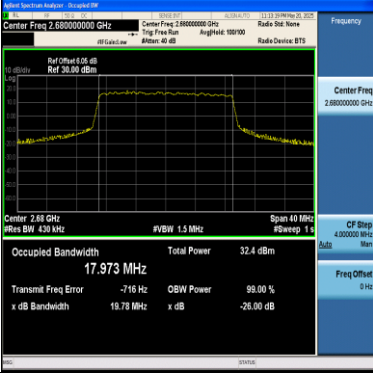
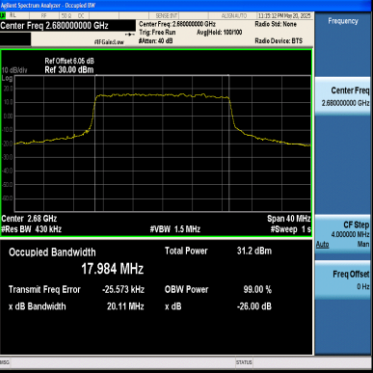
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Band38-10MHz-QPSK-38200-50RB#0-PASS  Center Freq 2.61500000 GHz Ref Offset 6.23 dB Ref 30.00 dBm Center Freq 2.61500000 GHz Span 20 MHz RBW 220 kHz VBW 680 kHz Sweep 1 s CF Step 2.000000 MHz Occupied Bandwidth 9.0195 MHz Total Power 31.2 dBm Transmit Freq Error 17.752 kHz OSW Power 99.00 % x dB Bandwidth 10.47 MHz x dB -26.00 dB Center Freq 2.61500000 GHz Frequency	Band38-10MHz-16QAM-38200-50RB#0-PASS  Center Freq 2.61500000 GHz Ref Offset 6.23 dB Ref 30.00 dBm Center Freq 2.61500000 GHz Span 20 MHz RBW 220 kHz VBW 680 kHz Sweep 1 s CF Step 2.000000 MHz Occupied Bandwidth 8.9865 MHz Total Power 30.5 dBm Transmit Freq Error 1.248 kHz OSW Power 99.00 % x dB Bandwidth 10.05 MHz x dB -26.00 dB Center Freq 2.61500000 GHz Frequency
Band38-15MHz-QPSK-37825-75RB#0-PASS  Center Freq 2.57750000 GHz Ref Offset 6.23 dB Ref 30.00 dBm Center Freq 2.57750000 GHz Span 30 MHz RBW 330 kHz VBW 1 MHz Sweep 1 s CF Step 3.000000 MHz Occupied Bandwidth 13.505 MHz Total Power 31.6 dBm Transmit Freq Error 4.220 kHz OSW Power 99.00 % x dB Bandwidth 15.25 MHz x dB -26.00 dB Center Freq 2.57750000 GHz Frequency	Band38-15MHz-16QAM-37825-75RB#0-PASS  Center Freq 2.57750000 GHz Ref Offset 6.23 dB Ref 30.00 dBm Center Freq 2.57750000 GHz Span 30 MHz RBW 330 kHz VBW 1 MHz Sweep 1 s CF Step 3.000000 MHz Occupied Bandwidth 13.488 MHz Total Power 30.8 dBm Transmit Freq Error 11.625 kHz OSW Power 99.00 % x dB Bandwidth 14.94 MHz x dB -26.00 dB Center Freq 2.57750000 GHz Frequency
Band38-15MHz-QPSK-38000-75RB#0-PASS  Center Freq 2.59500000 GHz Ref Offset 6.23 dB Ref 30.00 dBm Center Freq 2.59500000 GHz Span 30 MHz RBW 330 kHz VBW 1 MHz Sweep 1 s CF Step 3.000000 MHz Occupied Bandwidth 13.510 MHz Total Power 31.5 dBm Transmit Freq Error -2.550 kHz OSW Power 99.00 % x dB Bandwidth 15.31 MHz x dB -26.00 dB Center Freq 2.59500000 GHz Frequency	Band38-15MHz-16QAM-38000-75RB#0-PASS  Center Freq 2.59500000 GHz Ref Offset 6.23 dB Ref 30.00 dBm Center Freq 2.59500000 GHz Span 30 MHz RBW 330 kHz VBW 1 MHz Sweep 1 s CF Step 3.000000 MHz Occupied Bandwidth 13.492 MHz Total Power 30.9 dBm Transmit Freq Error 6.588 kHz OSW Power 99.00 % x dB Bandwidth 14.82 MHz x dB -26.00 dB Center Freq 2.59500000 GHz Frequency

Band38-15MHz-QPSK-38175-75RB#0-PASS	Band38-15MHz-16QAM-38175-75RB#0-PASS
 Center Freq 2.61250000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 13.512 MHz Total Power 31.2 dBm Transmit Freq Error -7.828 kHz OBW Power 99.00 % x dB Bandwidth 15.30 MHz x dB -26.00 dB	 Center Freq 2.61250000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 13.491 MHz Total Power 30.5 dBm Transmit Freq Error -8.5 kHz OBW Power 99.00 % x dB Bandwidth 14.82 MHz x dB -26.00 dB
Band38-20MHz-QPSK-37850-100RB#0-PASS	Band38-20MHz-16QAM-37850-100RB#0-PASS
 Center Freq 2.58000000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 17.978 MHz Total Power 31.7 dBm Transmit Freq Error 19.036 kHz OBW Power 99.00 % x dB Bandwidth 20.16 MHz x dB -26.00 dB	 Center Freq 2.58000000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 17.979 MHz Total Power 30.8 dBm Transmit Freq Error -2.091 kHz OBW Power 99.00 % x dB Bandwidth 19.92 MHz x dB -26.00 dB
Band38-20MHz-QPSK-38000-100RB#0-PASS	Band38-20MHz-16QAM-38000-100RB#0-PASS
 Center Freq 2.59500000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 17.981 MHz Total Power 31.5 dBm Transmit Freq Error 11.551 kHz OBW Power 99.00 % x dB Bandwidth 20.08 MHz x dB -26.00 dB	 Center Freq 2.59500000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 17.973 MHz Total Power 30.7 dBm Transmit Freq Error -12.545 kHz OBW Power 99.00 % x dB Bandwidth 19.99 MHz x dB -26.00 dB
Band38-20MHz-QPSK-38150-100RB#0-PASS	Band38-20MHz-16QAM-38150-100RB#0-PASS
 Center Freq 2.61000000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 17.983 MHz Total Power 31.5 dBm Transmit Freq Error 7.119 kHz OBW Power 99.00 % x dB Bandwidth 20.38 MHz x dB -26.00 dB	 Center Freq 2.61000000 GHz Ref Offset 0.23 dB Ref 30.00 dBm Occupied Bandwidth 17.976 MHz Total Power 30.5 dBm Transmit Freq Error -15.825 kHz OBW Power 99.00 % x dB Bandwidth 20.05 MHz x dB -26.00 dB

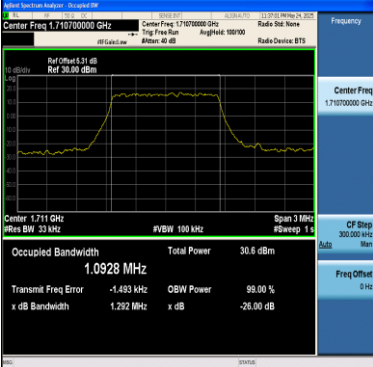
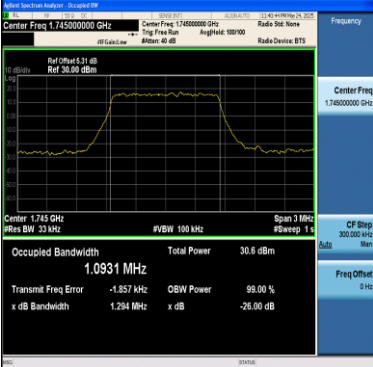
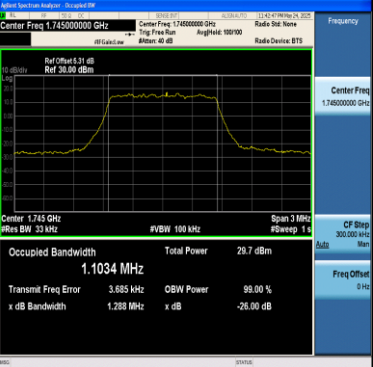
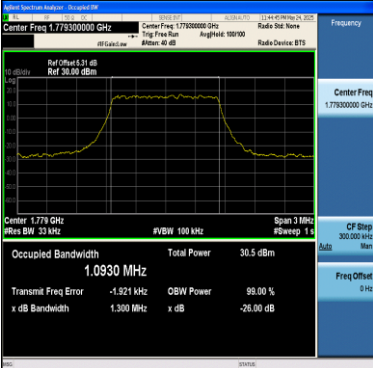
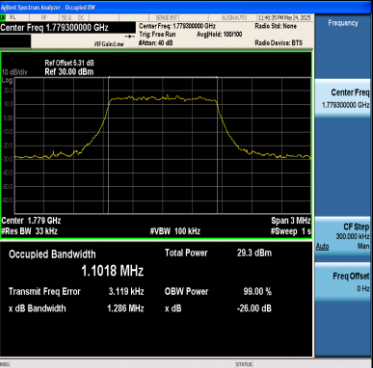
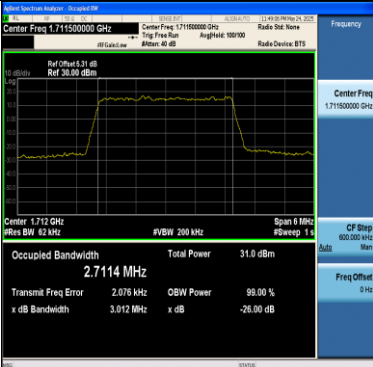
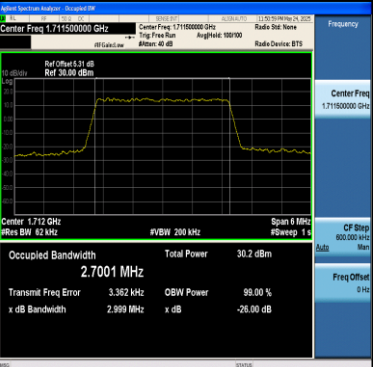
LTE Band 41 Test Graph



Band41-10MHz-QPSK-40620-50RB#0-PASS	Band41-10MHz-16QAM-40620-50RB#0-PASS
Center Freq: 2.59300000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.593 GHz Ref BW: 20 MHz Span: 20 MHz RBW: 400 kHz VBW: 400 kHz CF Step: 2.000000 MHz FSweep: 1 s Occupied Bandwidth: 9.0182 MHz Total Power: 31.5 dBm Transmit Freq Error: 20.007 kHz OSW Power: 99.00 % x dB Bandwidth: 10.39 MHz x dB: -26.00 dB	Center Freq: 2.59300000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.593 GHz Ref BW: 20 MHz Span: 20 MHz RBW: 400 kHz VBW: 400 kHz CF Step: 2.000000 MHz FSweep: 1 s Occupied Bandwidth: 8.9857 MHz Total Power: 30.8 dBm Transmit Freq Error: 5.057 kHz OSW Power: 99.00 % x dB Bandwidth: 9.933 MHz x dB: -26.00 dB
Band41-10MHz-QPSK-41540-50RB#0-PASS	Band41-10MHz-16QAM-41540-50RB#0-PASS
Center Freq: 2.68500000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.685 GHz Ref BW: 20 MHz Span: 20 MHz RBW: 400 kHz VBW: 400 kHz CF Step: 2.000000 MHz FSweep: 1 s Occupied Bandwidth: 8.9973 MHz Total Power: 31.9 dBm Transmit Freq Error: 16.263 kHz OSW Power: 99.00 % x dB Bandwidth: 9.991 MHz x dB: -26.00 dB	Center Freq: 2.68500000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.685 GHz Ref BW: 20 MHz Span: 20 MHz RBW: 400 kHz VBW: 400 kHz CF Step: 2.000000 MHz FSweep: 1 s Occupied Bandwidth: 8.9803 MHz Total Power: 31.1 dBm Transmit Freq Error: 1.401 kHz OSW Power: 99.00 % x dB Bandwidth: 9.958 MHz x dB: -26.00 dB
Band41-15MHz-QPSK-39725-75RB#0-PASS	Band41-15MHz-16QAM-39725-75RB#0-PASS
Center Freq: 2.50350000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.504 GHz Ref BW: 20 MHz Span: 30 MHz RBW: 1 MHz VBW: 1 MHz CF Step: 3.000000 MHz FSweep: 1 s Occupied Bandwidth: 13.513 MHz Total Power: 31.2 dBm Transmit Freq Error: 4.755 kHz OSW Power: 99.00 % x dB Bandwidth: 15.78 MHz x dB: -26.00 dB	Center Freq: 2.50350000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.504 GHz Ref BW: 20 MHz Span: 30 MHz RBW: 1 MHz VBW: 1 MHz CF Step: 3.000000 MHz FSweep: 1 s Occupied Bandwidth: 13.485 MHz Total Power: 30.6 dBm Transmit Freq Error: 13.840 kHz OSW Power: 99.00 % x dB Bandwidth: 15.08 MHz x dB: -26.00 dB
Band41-15MHz-QPSK-40620-75RB#0-PASS	Band41-15MHz-16QAM-40620-75RB#0-PASS
Center Freq: 2.59300000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.593 GHz Ref BW: 20 MHz Span: 30 MHz RBW: 1 MHz VBW: 1 MHz CF Step: 3.000000 MHz FSweep: 1 s Occupied Bandwidth: 13.507 MHz Total Power: 31.6 dBm Transmit Freq Error: -2.875 kHz OSW Power: 99.00 % x dB Bandwidth: 15.32 MHz x dB: -26.00 dB	Center Freq: 2.59300000 GHz Ref Offset: 0.05 dB Ref: 30.00 dBm Center Freq: 2.593 GHz Ref BW: 20 MHz Span: 30 MHz RBW: 1 MHz VBW: 1 MHz CF Step: 3.000000 MHz FSweep: 1 s Occupied Bandwidth: 13.484 MHz Total Power: 30.9 dBm Transmit Freq Error: 5.147 kHz OSW Power: 99.00 % x dB Bandwidth: 14.99 MHz x dB: -26.00 dB

Band41-15MHz-QPSK-41515-75RB#0-PASS	Band41-15MHz-16QAM-41515-75RB#0-PASS
 Center Freq 2.682500000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 13.493 MHz Total Power 32.2 dBm Transmit Freq Error -14.078 kHz OBW Power 99.00 % x dB Bandwidth 15.12 MHz x dB -26.00 dB	 Center Freq 2.682500000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 13.484 MHz Total Power 31.1 dBm Transmit Freq Error -2.390 kHz OBW Power 99.00 % x dB Bandwidth 14.78 MHz x dB -26.00 dB
Band41-20MHz-QPSK-39750-100RB#0-PASS	Band41-20MHz-16QAM-39750-100RB#0-PASS
 Center Freq 2.508000000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 17.964 MHz Total Power 31.8 dBm Transmit Freq Error 18.659 kHz OBW Power 99.00 % x dB Bandwidth 20.16 MHz x dB -26.00 dB	 Center Freq 2.508000000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 17.959 MHz Total Power 30.8 dBm Transmit Freq Error -7.000 kHz OBW Power 99.00 % x dB Bandwidth 19.85 MHz x dB -26.00 dB
Band41-20MHz-QPSK-40620-100RB#0-PASS	Band41-20MHz-16QAM-40620-100RB#0-PASS
 Center Freq 2.593000000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 17.978 MHz Total Power 31.8 dBm Transmit Freq Error 13.516 kHz OBW Power 99.00 % x dB Bandwidth 20.21 MHz x dB -26.00 dB	 Center Freq 2.593000000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 17.974 MHz Total Power 30.9 dBm Transmit Freq Error -7.980 kHz OBW Power 99.00 % x dB Bandwidth 19.90 MHz x dB -26.00 dB
Band41-20MHz-QPSK-41490-100RB#0-PASS	Band41-20MHz-16QAM-41490-100RB#0-PASS
 Center Freq 2.680000000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 17.973 MHz Total Power 32.4 dBm Transmit Freq Error -7.16 Hz OBW Power 99.00 % x dB Bandwidth 19.78 MHz x dB -26.00 dB	 Center Freq 2.680000000 GHz Ref Offset 0.05 dB Ref 38.00 dBm Occupied Bandwidth 17.984 MHz Total Power 31.2 dBm Transmit Freq Error -25.573 kHz OBW Power 99.00 % x dB Bandwidth 20.11 MHz x dB -26.00 dB

LTE Band 66 Test Graph

Band66-1.4MHz-QPSK-131979-6RB#0-PASS	Band66-1.4MHz-16QAM-131979-6RB#0-PASS
 Center Freq: 1.71070000 GHz Occupied Bandwidth: 1.0928 MHz Total Power: 30.6 dBm Transmit Freq Error: -1.493 kHz OSW Power: 99.00%	 Center Freq: 1.71070000 GHz Occupied Bandwidth: 1.1039 MHz Total Power: 29.6 dBm Transmit Freq Error: 3.843 kHz OSW Power: 99.00%
Band66-1.4MHz-QPSK-132322-6RB#0-PASS	Band66-1.4MHz-16QAM-132322-6RB#0-PASS
 Center Freq: 1.74500000 GHz Occupied Bandwidth: 1.0931 MHz Total Power: 30.6 dBm Transmit Freq Error: -1.857 kHz OSW Power: 99.00%	 Center Freq: 1.74500000 GHz Occupied Bandwidth: 1.1034 MHz Total Power: 29.7 dBm Transmit Freq Error: 3.685 kHz OSW Power: 99.00%
Band66-1.4MHz-QPSK-132665-6RB#0-PASS	Band66-1.4MHz-16QAM-132665-6RB#0-PASS
 Center Freq: 1.77930000 GHz Occupied Bandwidth: 1.0930 MHz Total Power: 30.5 dBm Transmit Freq Error: -1.921 kHz OSW Power: 99.00%	 Center Freq: 1.77930000 GHz Occupied Bandwidth: 1.1018 MHz Total Power: 29.3 dBm Transmit Freq Error: 3.119 kHz OSW Power: 99.00%
Band66-3MHz-QPSK-131987-15RB#0-PASS	Band66-3MHz-16QAM-131987-15RB#0-PASS
 Center Freq: 1.71150000 GHz Occupied Bandwidth: 2.7114 MHz Total Power: 31.0 dBm Transmit Freq Error: 2.078 kHz OSW Power: 99.00%	 Center Freq: 1.71150000 GHz Occupied Bandwidth: 2.7001 MHz Total Power: 30.2 dBm Transmit Freq Error: 3.362 kHz OSW Power: 99.00%

Band66-3MHz-QPSK-132322-15RB#0-PASS	Band66-3MHz-16QAM-132322-15RB#0-PASS
Center Freq: 1.74500000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.745 GHz Ref BW: 40 kHz Span: 6 MHz RBW: 200 kHz VBW: 200 kHz Sweep: 1 s Occupied Bandwidth: 2.7116 MHz Total Power: 31.0 dBm Transmit Freq Error: 1.061 kHz C/N: 99.00 % x dB Bandwidth: 3.008 MHz x dB: -26.00 dB	Center Freq: 1.74500000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.745 GHz Ref BW: 40 kHz Span: 6 MHz RBW: 200 kHz VBW: 200 kHz Sweep: 1 s Occupied Bandwidth: 2.7003 MHz Total Power: 30.2 dBm Transmit Freq Error: 1.421 kHz C/N: 99.00 % x dB Bandwidth: 2.997 MHz x dB: -26.00 dB
Band66-3MHz-QPSK-132657-15RB#0-PASS	Band66-3MHz-16QAM-132657-15RB#0-PASS
Center Freq: 1.77800000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.778 GHz Ref BW: 40 kHz Span: 6 MHz RBW: 200 kHz VBW: 200 kHz Sweep: 1 s Occupied Bandwidth: 2.7097 MHz Total Power: 30.9 dBm Transmit Freq Error: 164 Hz C/N: 99.00 % x dB Bandwidth: 2.999 MHz x dB: -26.00 dB	Center Freq: 1.77800000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.778 GHz Ref BW: 40 kHz Span: 6 MHz RBW: 200 kHz VBW: 200 kHz Sweep: 1 s Occupied Bandwidth: 2.6988 MHz Total Power: 30.1 dBm Transmit Freq Error: 148 Hz C/N: 99.00 % x dB Bandwidth: 2.993 MHz x dB: -26.00 dB
Band66-5MHz-QPSK-131997-25RB#0-PASS	Band66-5MHz-16QAM-131997-25RB#0-PASS
Center Freq: 1.71300000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.713 GHz Ref BW: 110 kHz Span: 10 MHz RBW: 320 kHz VBW: 320 kHz Sweep: 1 s Occupied Bandwidth: 4.5000 MHz Total Power: 30.8 dBm Transmit Freq Error: 4.697 kHz C/N: 99.00 % x dB Bandwidth: 5.032 MHz x dB: -26.00 dB	Center Freq: 1.71300000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.713 GHz Ref BW: 110 kHz Span: 10 MHz RBW: 320 kHz VBW: 320 kHz Sweep: 1 s Occupied Bandwidth: 4.4993 MHz Total Power: 30.2 dBm Transmit Freq Error: 1.003 kHz C/N: 99.00 % x dB Bandwidth: 5.058 MHz x dB: -26.00 dB
Band66-5MHz-QPSK-132322-25RB#0-PASS	Band66-5MHz-16QAM-132322-25RB#0-PASS
Center Freq: 1.74500000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.745 GHz Ref BW: 110 kHz Span: 10 MHz RBW: 320 kHz VBW: 320 kHz Sweep: 1 s Occupied Bandwidth: 4.5013 MHz Total Power: 30.8 dBm Transmit Freq Error: 3.228 kHz C/N: 99.00 % x dB Bandwidth: 5.027 MHz x dB: -26.00 dB	Center Freq: 1.74500000 GHz Ref Offset: 5.31 dB Ref: 30.00 dBm Center Freq: 1.745 GHz Ref BW: 110 kHz Span: 10 MHz RBW: 320 kHz VBW: 320 kHz Sweep: 1 s Occupied Bandwidth: 4.5025 MHz Total Power: 30.0 dBm Transmit Freq Error: -920 Hz C/N: 99.00 % x dB Bandwidth: 5.058 MHz x dB: -26.00 dB