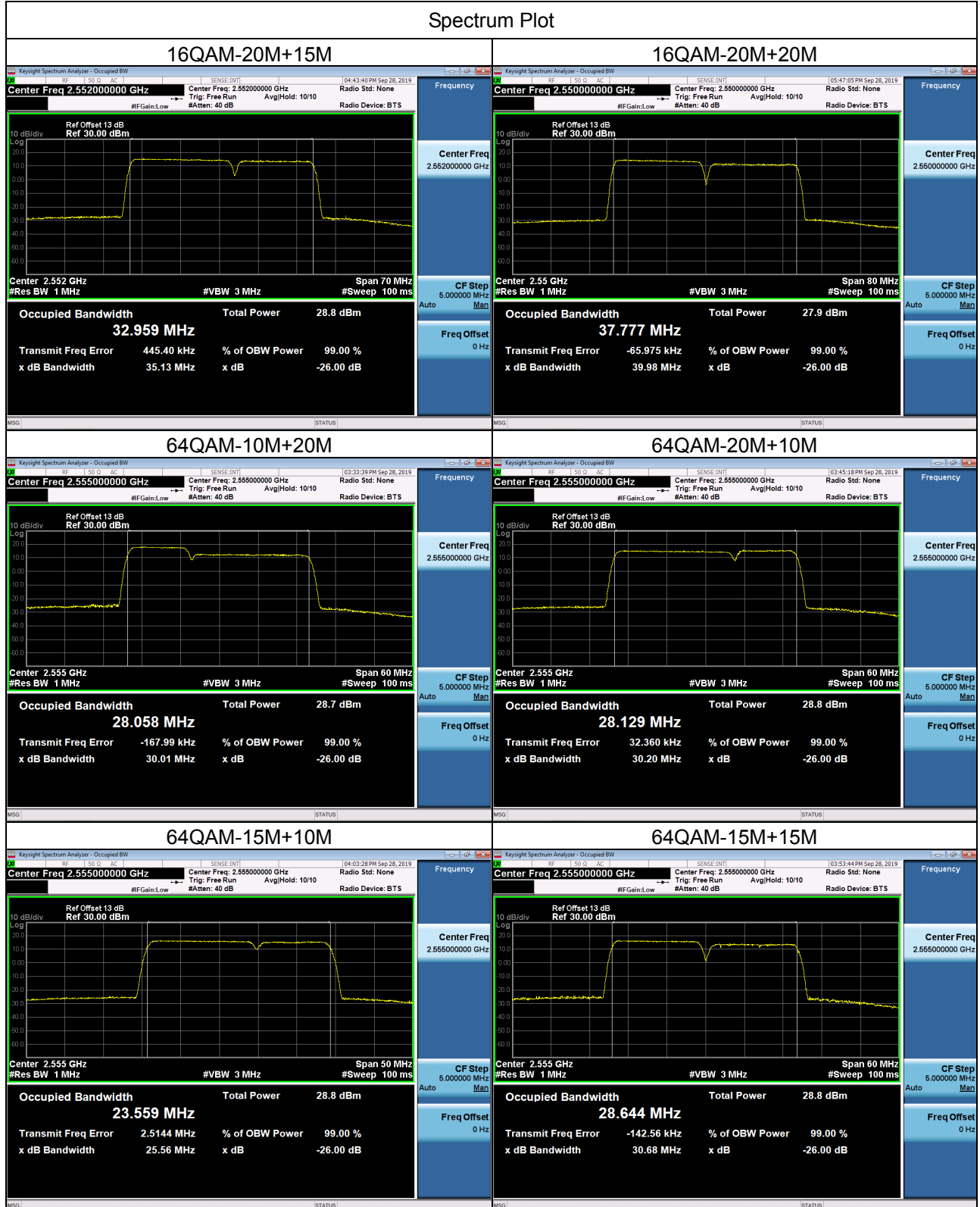


Spectrum Plot



Spectrum Plot



LTE CA_38C / Low Range

QPSK

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 37825 | 2577.5 | 37975 | 2592.5 | 28.384 | 30.600 |
| 20+20 | 37850 | 2580 | 38048 | 2599.8 | 37.516 | 39.92 |

16QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 37825 | 2577.5 | 37975 | 2592.5 | 28.439 | 30.57 |
| 20+20 | 37850 | 2580 | 38048 | 2599.8 | 37.461 | 39.87 |

64QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 37825 | 2577.5 | 37975 | 2592.5 | 28.376 | 30.600 |
| 20+20 | 37850 | 2580 | 38048 | 2599.8 | 37.509 | 39.900 |



LTE CA_38C / Mid Range

QPSK

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 37925 | 2587.5 | 38075 | 2602.5 | 28.381 | 30.560 |
| 20+20 | 37901 | 2585.1 | 38099 | 2604.9 | 37.471 | 39.890 |

16QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 37925 | 2587.5 | 38075 | 2602.5 | 28.408 | 30.590 |
| 20+20 | 37901 | 2585.1 | 38099 | 2604.9 | 37.452 | 39.840 |

64QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 37925 | 2587.5 | 38075 | 2602.5 | 28.411 | 30.560 |
| 20+20 | 37901 | 2585.1 | 38099 | 2604.9 | 37.476 | 39.890 |



LTE CA_38C / High Range

QPSK

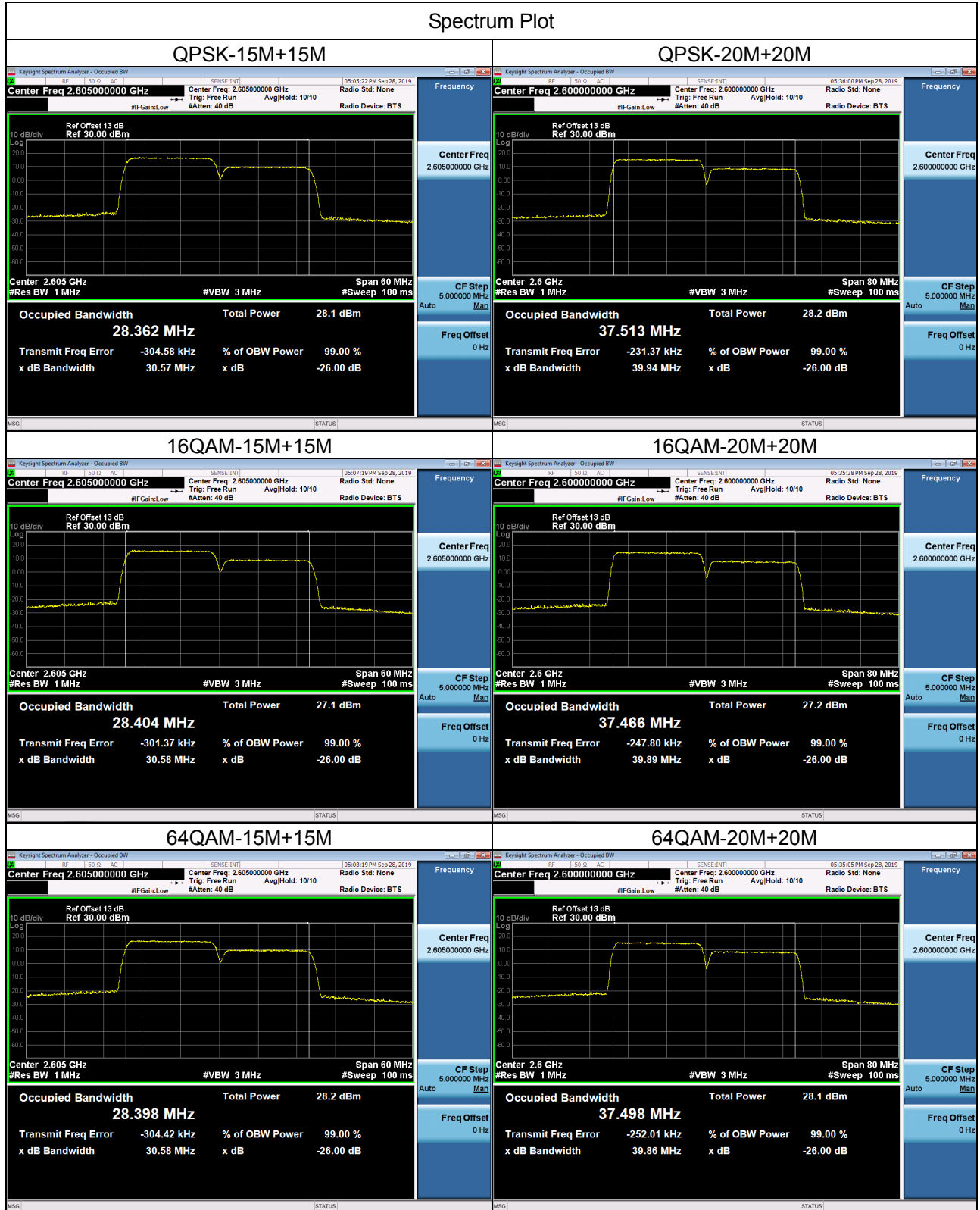
| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 38025 | 2597.5 | 38175 | 2612.5 | 28.362 | 30.570 |
| 20+20 | 37952 | 2590.2 | 38150 | 2610 | 37.513 | 39.940 |

16QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 38025 | 2597.5 | 38175 | 2612.5 | 28.404 | 30.580 |
| 20+20 | 37952 | 2590.2 | 38150 | 2610 | 37.466 | 39.890 |

64QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 15+15 | 38025 | 2597.5 | 38175 | 2612.5 | 28.398 | 30.580 |
| 20+20 | 37952 | 2590.2 | 38150 | 2610 | 37.498 | 39.860 |



LTE CA_41C / Low Range

QPSK

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 5+20 | 39683 | 2499.3 | 39800 | 2511 | 23.036 | 24.850 |
| 20+5 | 39750 | 2506 | 39867 | 2517.7 | 23.161 | 25.210 |
| 10+15 | 39703 | 2501.3 | 39823 | 2513.3 | 23.267 | 25.270 |
| 15+10 | 39725 | 2503.5 | 39845 | 2515.5 | 23.337 | 25.380 |
| 10+20 | 39705 | 2501.5 | 39849 | 2515.9 | 27.771 | 29.890 |
| 20+10 | 39750 | 2506 | 39894 | 2520.4 | 27.890 | 30.120 |
| 15+15 | 39725 | 2503.5 | 39875 | 2518.5 | 28.390 | 30.590 |
| 15+20 | 39728 | 2503.8 | 39899 | 2520.9 | 32.570 | 34.900 |
| 20+15 | 39750 | 2506 | 39921 | 2523.1 | 32.681 | 35.000 |
| 20+20 | 39750 | 2506 | 39948 | 2525.8 | 37.465 | 39.870 |

16QAM

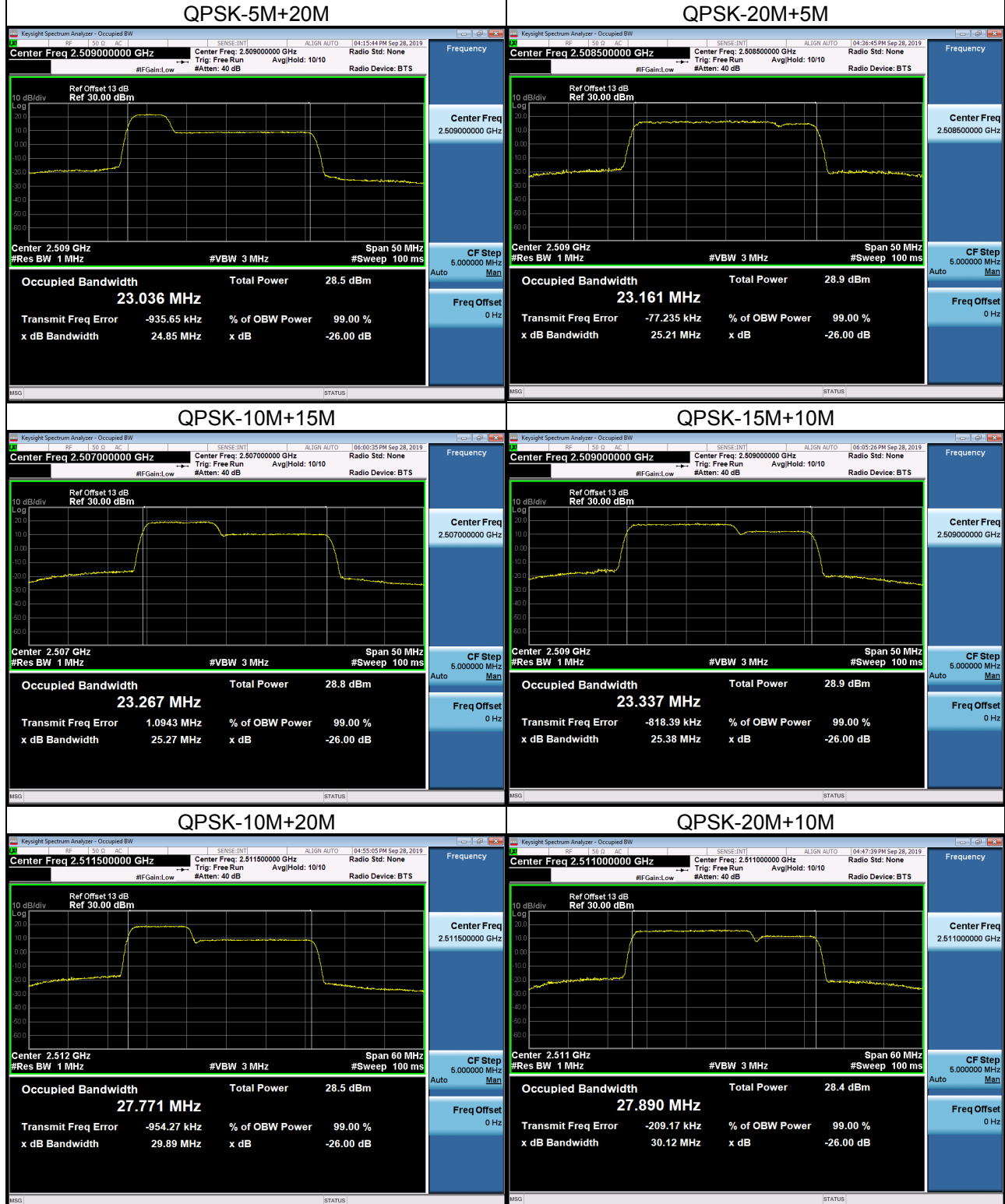
| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 5+20 | 39683 | 2499.3 | 39800 | 2511 | 22.994 | 24.840 |
| 20+5 | 39750 | 2506 | 39867 | 2517.7 | 23.180 | 25.180 |
| 10+15 | 39703 | 2501.3 | 39823 | 2513.3 | 23.325 | 25.310 |
| 15+10 | 39725 | 2503.5 | 39845 | 2515.5 | 23.359 | 25.400 |
| 10+20 | 39705 | 2501.5 | 39849 | 2515.9 | 27.834 | 29.860 |
| 20+10 | 39750 | 2506 | 39894 | 2520.4 | 27.883 | 30.100 |
| 15+15 | 39725 | 2503.5 | 39875 | 2518.5 | 28.440 | 30.590 |
| 15+20 | 39728 | 2503.8 | 39899 | 2520.9 | 32.607 | 34.910 |
| 20+15 | 39750 | 2506 | 39921 | 2523.1 | 32.655 | 34.960 |
| 20+20 | 39750 | 2506 | 39948 | 2525.8 | 37.446 | 39.890 |

LTE CA_41C / Low Range

64QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 5+20 | 39683 | 2499.3 | 39800 | 2511 | 23.029 | 24.790 |
| 20+5 | 39750 | 2506 | 39867 | 2517.7 | 23.133 | 25.170 |
| 10+15 | 39703 | 2501.3 | 39823 | 2513.3 | 23.275 | 25.260 |
| 15+10 | 39725 | 2503.5 | 39845 | 2515.5 | 23.337 | 25.390 |
| 10+20 | 39705 | 2501.5 | 39849 | 2515.9 | 27.796 | 29.850 |
| 20+10 | 39750 | 2506 | 39894 | 2520.4 | 27.896 | 30.110 |
| 15+15 | 39725 | 2503.5 | 39875 | 2518.5 | 28.451 | 30.600 |
| 15+20 | 39728 | 2503.8 | 39899 | 2520.9 | 32.639 | 34.920 |
| 20+15 | 39750 | 2506 | 39921 | 2523.1 | 32.711 | 35.000 |
| 20+20 | 39750 | 2506 | 39948 | 2525.8 | 37.458 | 39.890 |

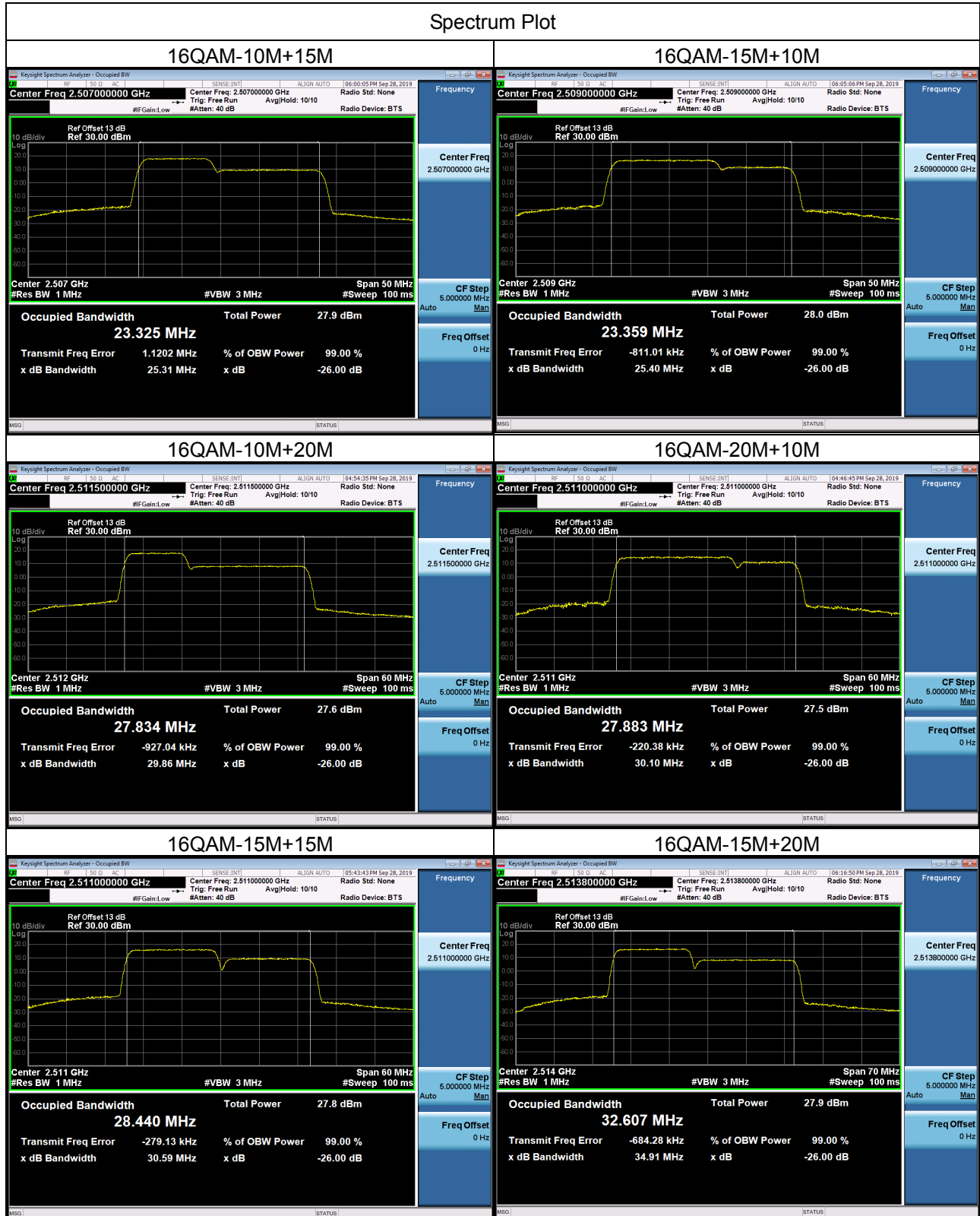
Spectrum Plot



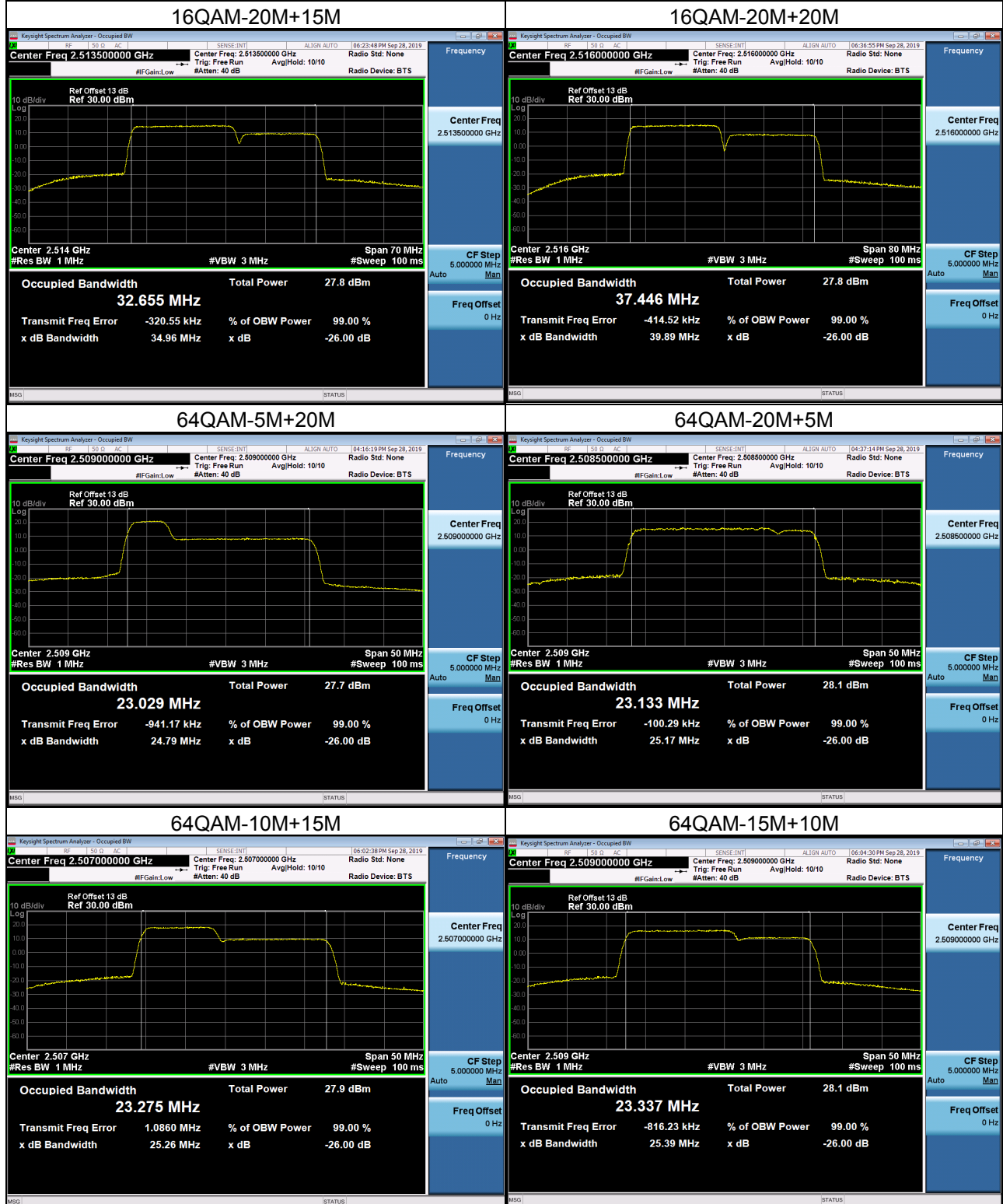
Spectrum Plot



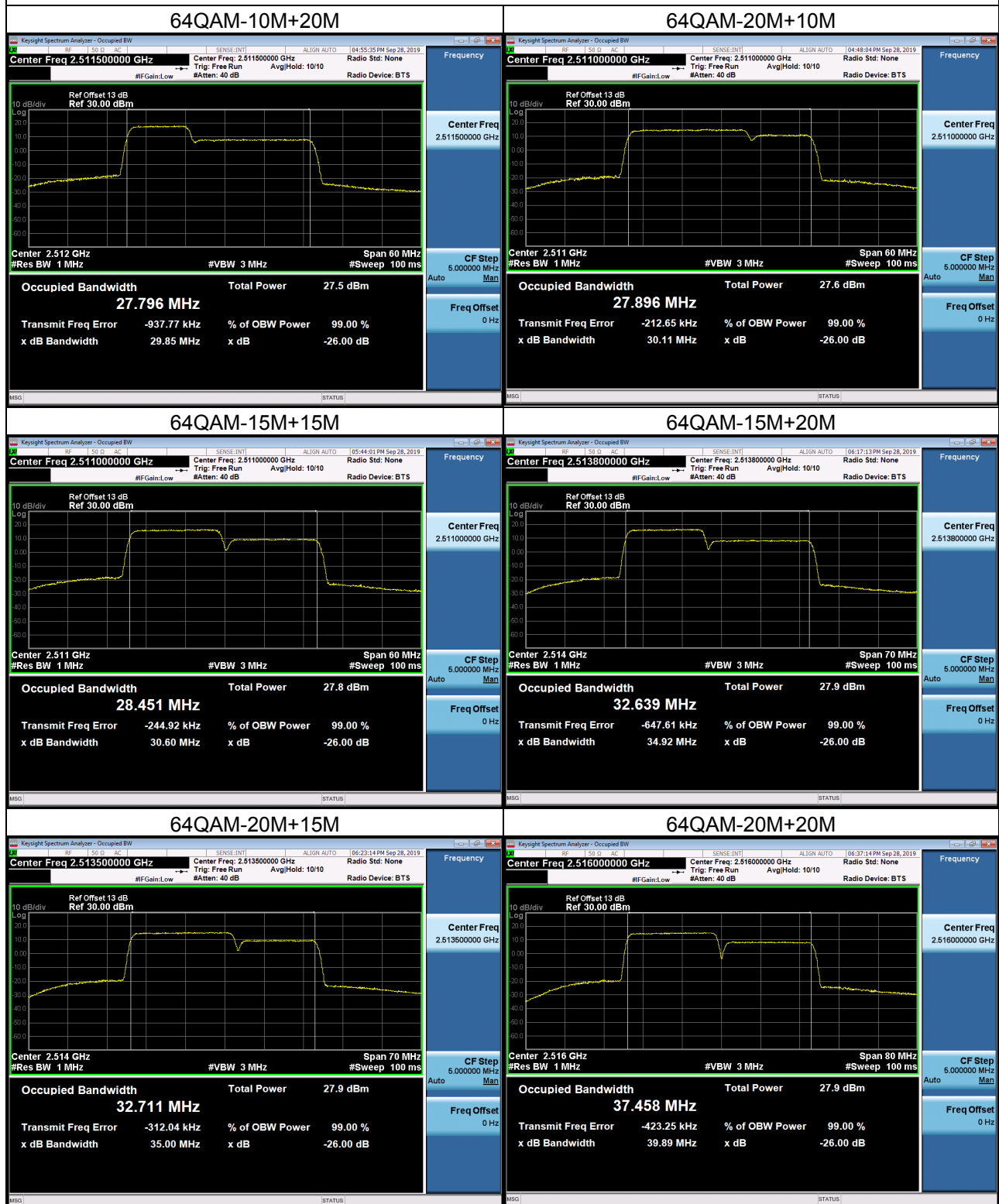
Spectrum Plot



Spectrum Plot



Spectrum Plot



LTE CA_41C / Mid Range

QPSK

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 5+20 | 40528 | 2583.8 | 40645 | 2595.5 | 22.936 | 24.770 |
| 20+5 | 40595 | 2590.5 | 40712 | 2602.2 | 23.172 | 25.220 |
| 10+15 | 40549 | 2585.9 | 40669 | 2597.9 | 23.245 | 25.250 |
| 15+10 | 40571 | 2588.1 | 40691 | 2600.1 | 23.322 | 25.360 |
| 10+20 | 40526 | 2583.6 | 40670 | 2598 | 27.794 | 29.850 |
| 20+10 | 40571 | 2588.1 | 40715 | 2602.5 | 27.907 | 30.070 |
| 15+15 | 40545 | 2585.5 | 40695 | 2600.5 | 28.377 | 30.570 |
| 15+20 | 40523 | 2583.3 | 40694 | 2600.4 | 32.569 | 34.830 |
| 20+15 | 40546 | 2585.6 | 40717 | 2602.7 | 32.625 | 34.940 |
| 20+20 | 40521 | 2583.1 | 40719 | 2602.9 | 37.422 | 39.890 |

16QAM

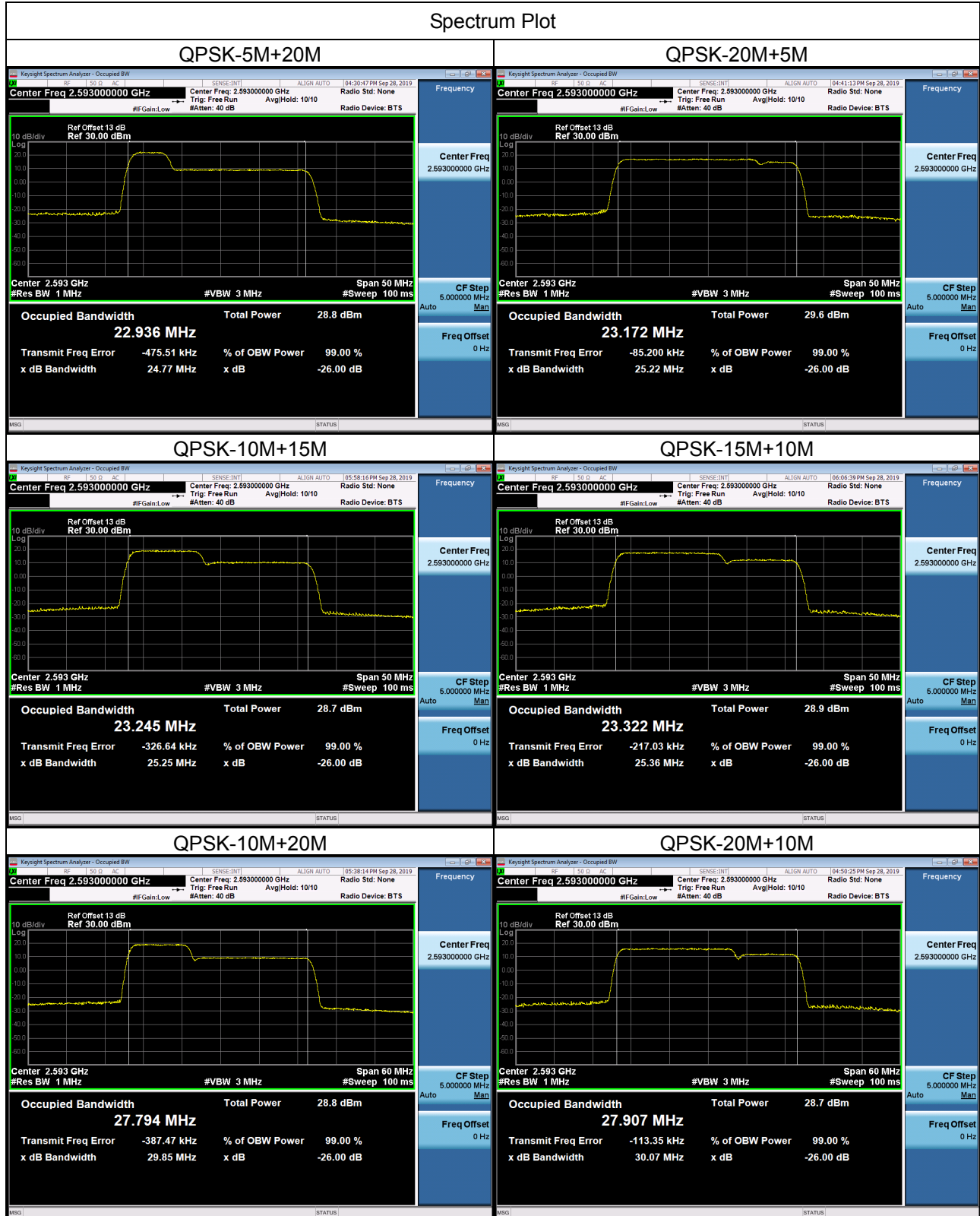
| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 5+20 | 40528 | 2583.8 | 40645 | 2595.5 | 22.940 | 24.820 |
| 20+5 | 40595 | 2590.5 | 40712 | 2602.2 | 23.163 | 25.210 |
| 10+15 | 40549 | 2585.9 | 40669 | 2597.9 | 23.287 | 25.280 |
| 15+10 | 40571 | 2588.1 | 40691 | 2600.1 | 23.342 | 25.380 |
| 10+20 | 40526 | 2583.6 | 40670 | 2598 | 27.763 | 29.900 |
| 20+10 | 40571 | 2588.1 | 40715 | 2602.5 | 27.868 | 30.030 |
| 15+15 | 40545 | 2585.5 | 40695 | 2600.5 | 28.409 | 30.590 |
| 15+20 | 40523 | 2583.3 | 40694 | 2600.4 | 32.551 | 34.870 |
| 20+15 | 40546 | 2585.6 | 40717 | 2602.7 | 32.659 | 34.980 |
| 20+20 | 40521 | 2583.1 | 40719 | 2602.9 | 37.415 | 39.890 |

LTE CA_41C / Mid Range

64QAM

| Bandwidth (MHz) | PCC CH | PCC Frequency (MHz) | SCC CH | SCC Frequency (MHz) | 99% Occupied Bandwidth (MHz) | 26dB Occupied Bandwidth (MHz) |
|-----------------|--------|---------------------|--------|---------------------|------------------------------|-------------------------------|
| 5+20 | 40528 | 2583.8 | 40645 | 2595.5 | 22.948 | 24.810 |
| 20+5 | 40595 | 2590.5 | 40712 | 2602.2 | 23.162 | 25.200 |
| 10+15 | 40549 | 2585.9 | 40669 | 2597.9 | 23.273 | 25.280 |
| 15+10 | 40571 | 2588.1 | 40691 | 2600.1 | 23.320 | 25.400 |
| 10+20 | 40526 | 2583.6 | 40670 | 2598 | 27.761 | 29.910 |
| 20+10 | 40571 | 2588.1 | 40715 | 2602.5 | 27.913 | 30.060 |
| 15+15 | 40545 | 2585.5 | 40695 | 2600.5 | 28.386 | 30.580 |
| 15+20 | 40523 | 2583.3 | 40694 | 2600.4 | 32.586 | 34.900 |
| 20+15 | 40546 | 2585.6 | 40717 | 2602.7 | 32.629 | 34.960 |
| 20+20 | 40521 | 2583.1 | 40719 | 2602.9 | 37.422 | 39.890 |

Spectrum Plot



Spectrum Plot



Spectrum Plot



Spectrum Plot

