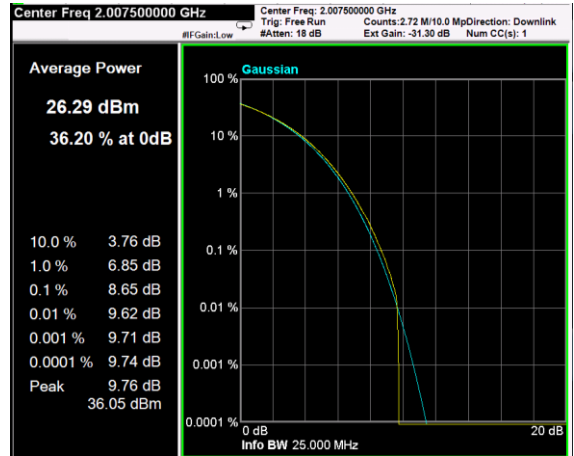
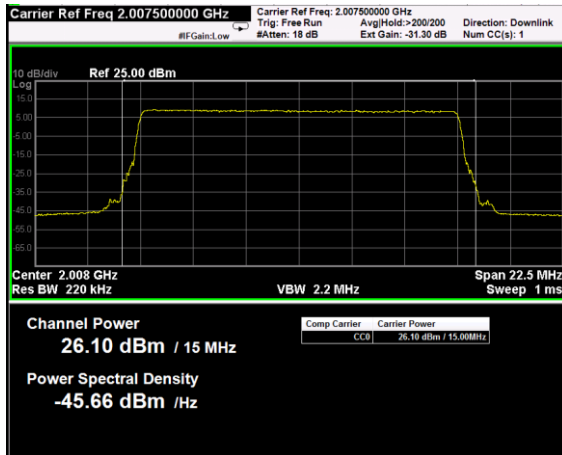


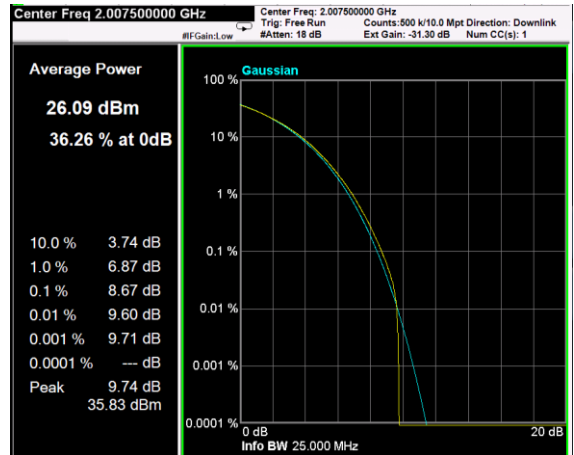
Channel: BOTTOM, Modulation: QPSK, BW=15MHz, Channel Power



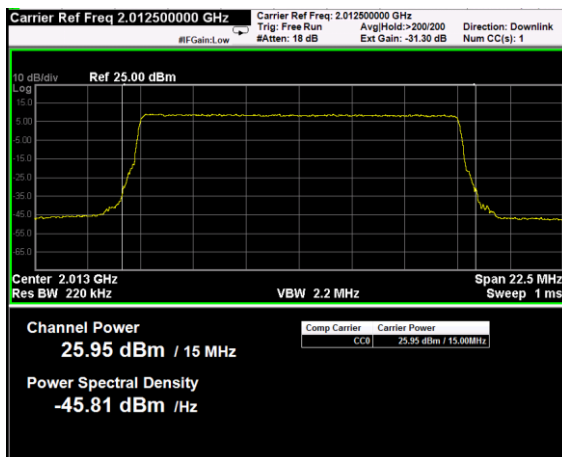
Channel: BOTTOM, Modulation: QPSK, BW=15MHz, CCDF



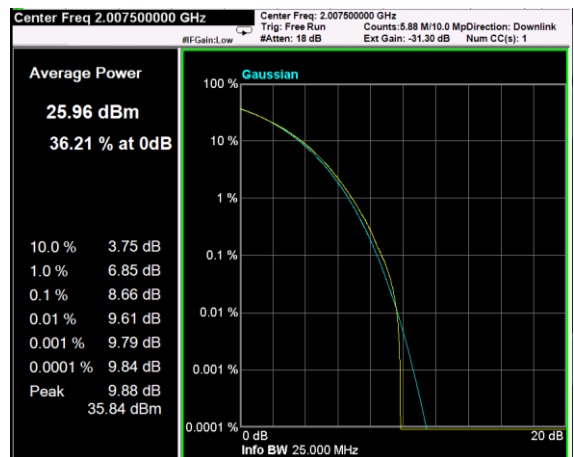
Channel: MIDDLE, Modulation: QPSK, BW=15MHz, Channel Power



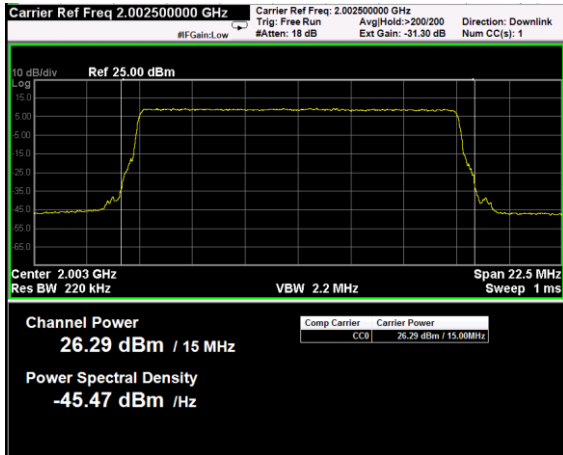
Channel: MIDDLE, Modulation: QPSK, BW=15MHz, CCDF



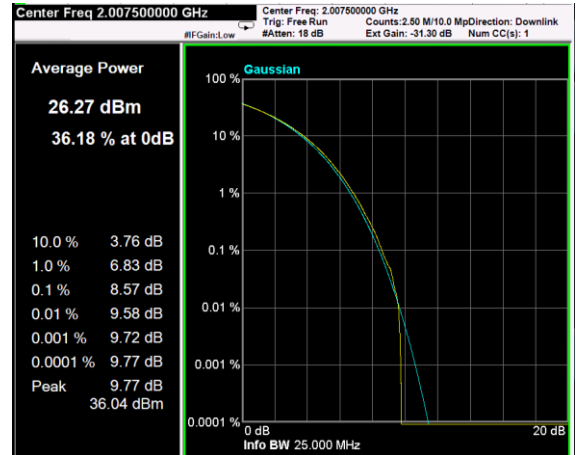
Channel: TOP, Modulation: QPSK, BW=15MHz, Channel Power



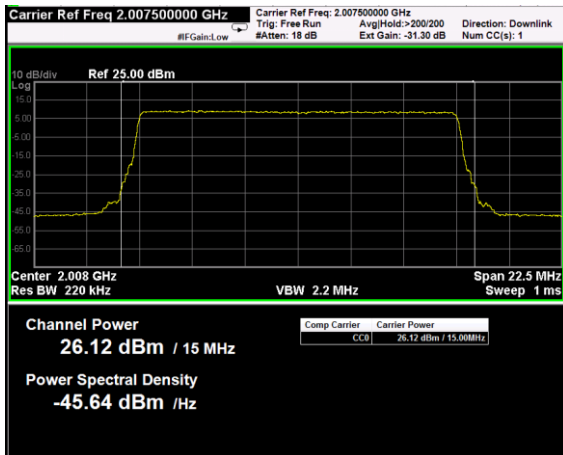
Channel: TOP, Modulation: QPSK, BW=15MHz, CCDF



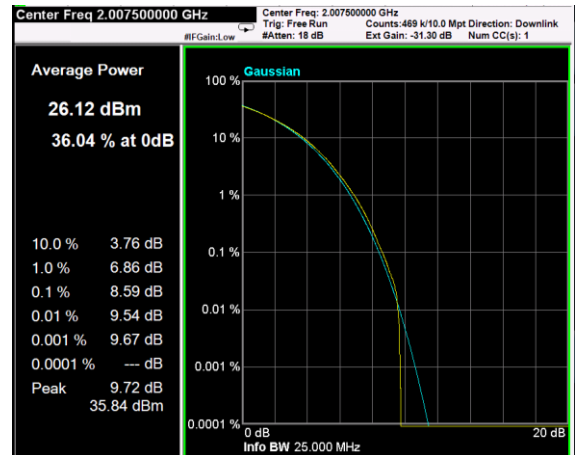
Channel: BOTTOM, Modulation: 16QAM, BW=15MHz, Channel Power



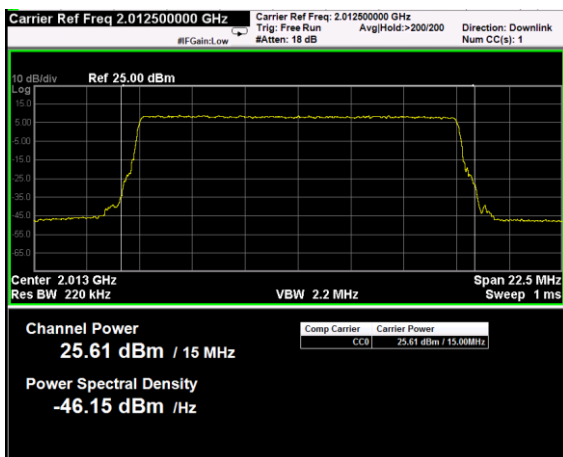
Channel: BOTTOM, Modulation: 16QAM, BW=15MHz, CCDF



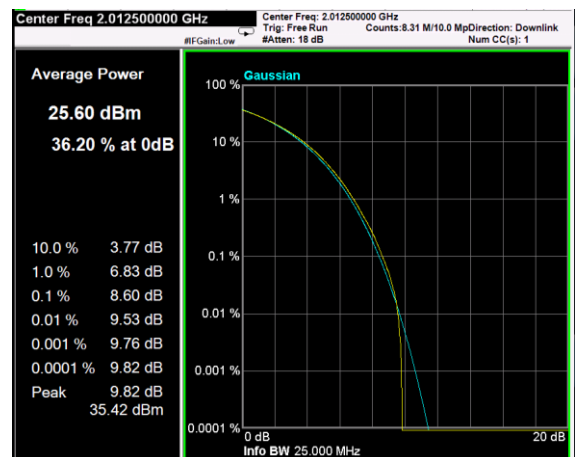
Channel: MIDDLE, Modulation: 16QAM, BW=15MHz, Channel Power



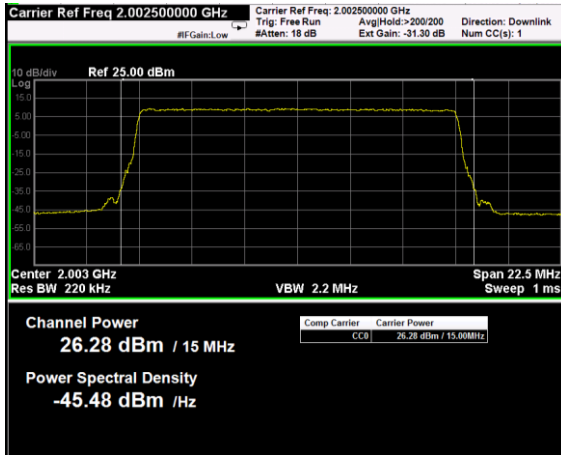
Channel: MIDDLE, Modulation: 16QAM, BW=15MHz, CCDF



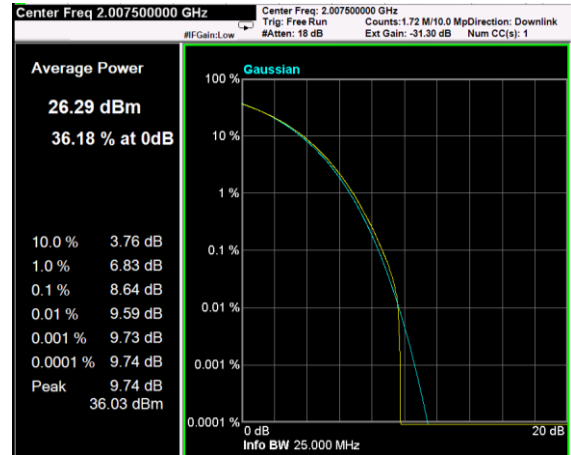
Channel: TOP, Modulation: 16QAM, BW=15MHz, Channel Power



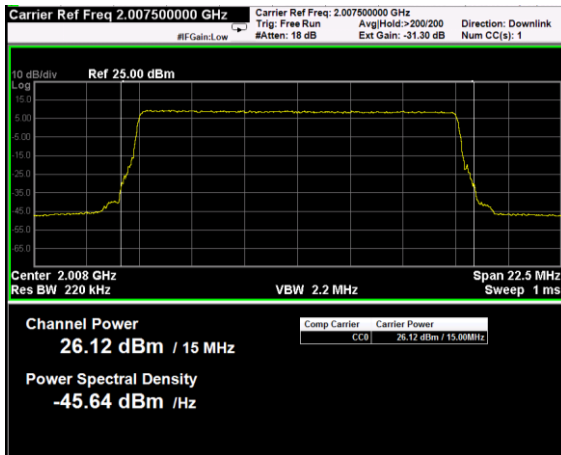
Channel: TOP, Modulation: 16QAM, BW=15MHz, CCDF



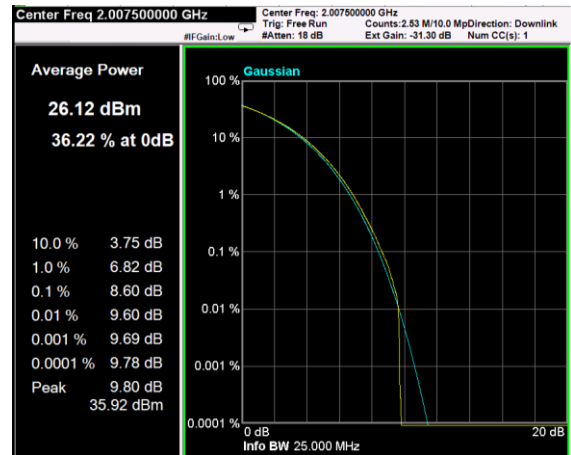
Channel: BOTTOM, Modulation: 64QAM, BW=15MHz, Channel Power



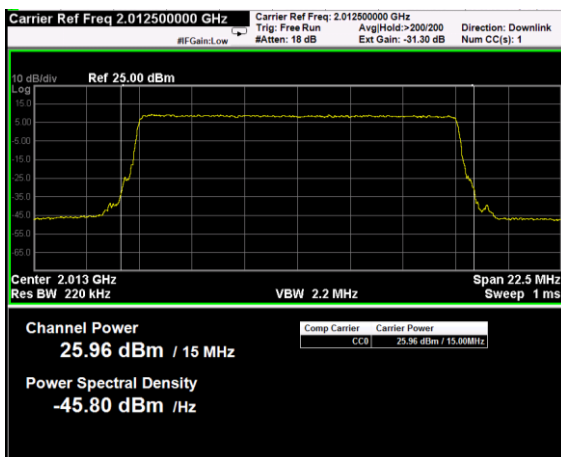
Channel: BOTTOM, Modulation: 64QAM, BW=15MHz, CCDF



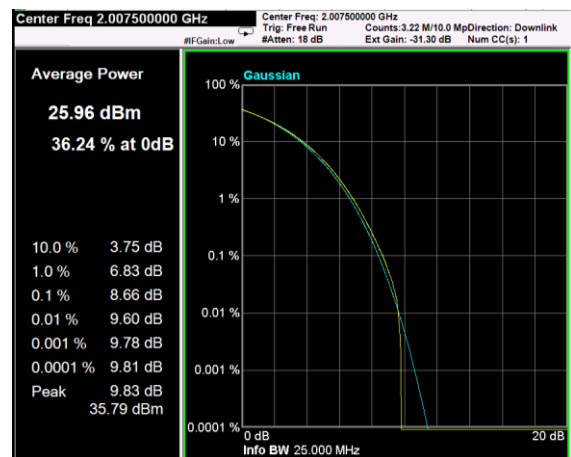
Channel: MIDDLE, Modulation: 64QAM, BW=15MHz, Channel Power



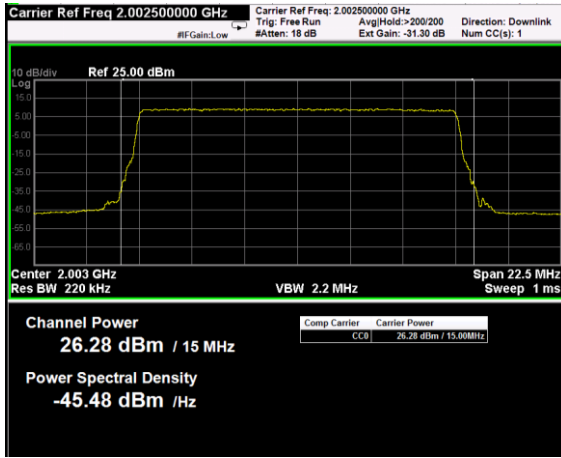
Channel: MIDDLE, Modulation: 64QAM, BW=15MHz, CCDF



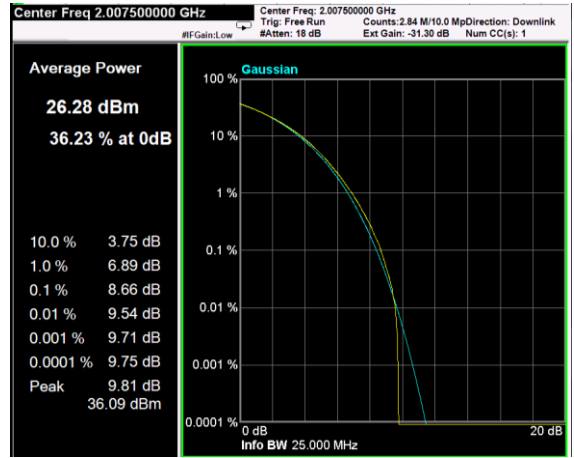
Channel: TOP, Modulation: 64QAM, BW=15MHz, Channel Power



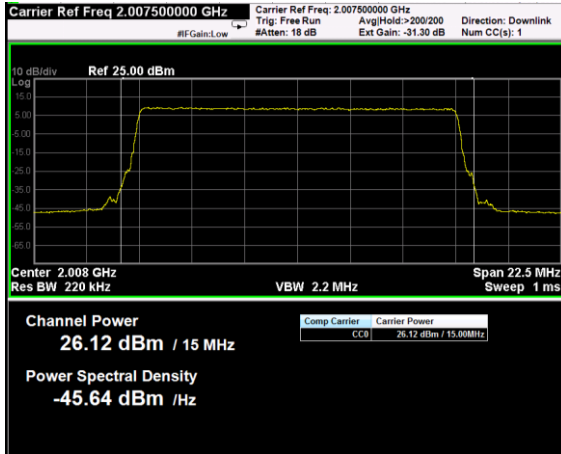
Channel: TOP, Modulation: 64QAM, BW=15MHz, CCDF



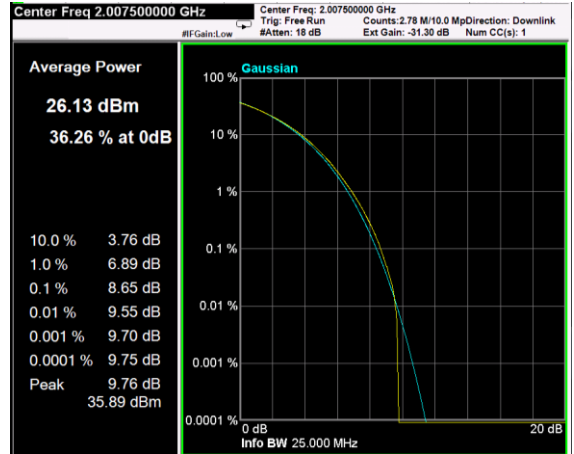
Channel: BOTTOM, Modulation: 256QAM, BW=15MHz, Channel Power



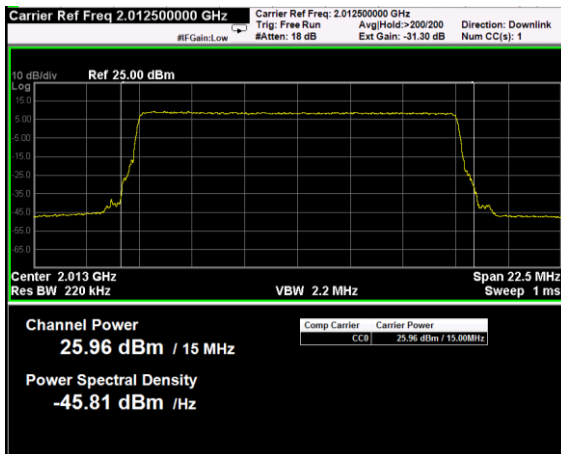
Channel: BOTTOM, Modulation: 256QAM, BW=15MHz, CCDF



Channel: MIDDLE, Modulation: 256QAM, BW=15MHz, Channel Power



Channel: MIDDLE, Modulation: 256QAM, BW=15MHz, CCDF

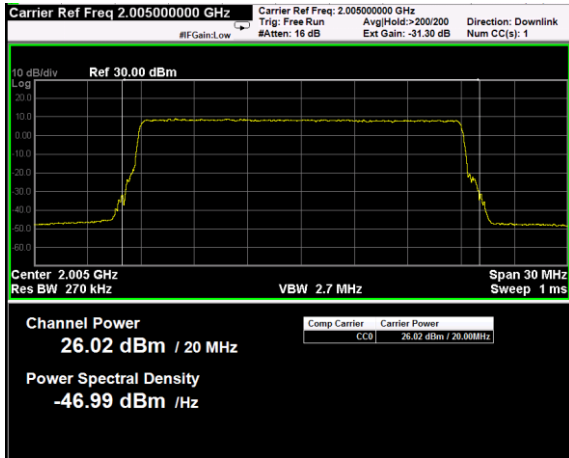


Channel: TOP, Modulation: 256QAM, BW=15MHz, Channel Power

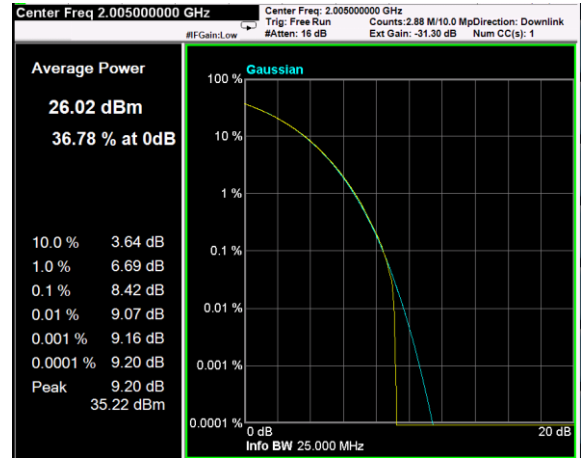


Channel: TOP, Modulation: 256QAM, BW=15MHz, CCDF

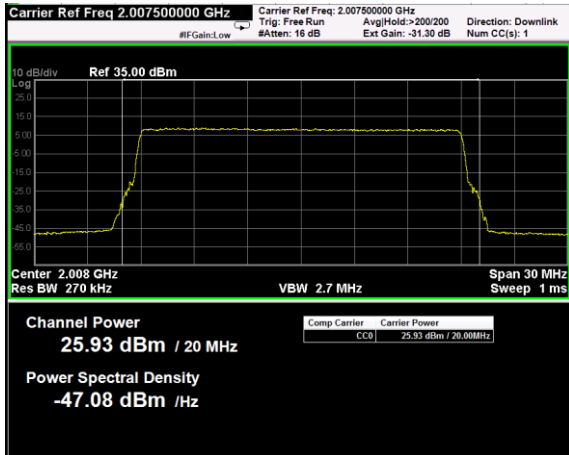
| Test data | | | | | |
|-----------|--------------------|-----------------|-----------------------|-----------------------------|----------|
| Direction | Modulation | Frequency (MHz) | RF output Power (dBm) | RF output channel Power (W) | PAR (dB) |
| Down-link | LTE 20MHz (QPSK) | 2005 | 26.02 | 0.400 | 9.20 |
| Down-link | LTE 20MHz (QPSK) | 2007.5 | 25.93 | 0.392 | 9.20 |
| Down-link | LTE 20MHz (QPSK) | 2010 | 25.82 | 0.382 | 9.33 |
| Down-link | LTE 20MHz (16QAM) | 2005 | 26.01 | 0.399 | 9.23 |
| Down-link | LTE 20MHz (16QAM) | 2007.5 | 25.95 | 0.394 | 9.22 |
| Down-link | LTE 20MHz (16QAM) | 2010 | 25.84 | 0.384 | 9.38 |
| Down-link | LTE 20MHz (64QAM) | 2005 | 26.01 | 0.399 | 9.23 |
| Down-link | LTE 20MHz (64QAM) | 2007.5 | 25.77 | 0.378 | 9.46 |
| Down-link | LTE 20MHz (64QAM) | 2010 | 25.8 | 0.380 | 9.30 |
| Down-link | LTE 20MHz (256QAM) | 2005 | 26.01 | 0.399 | 9.22 |
| Down-link | LTE 20MHz (256QAM) | 2007.5 | 25.95 | 0.394 | 9.22 |
| Down-link | LTE 20MHz (256QAM) | 2010 | 25.84 | 0.384 | 9.36 |



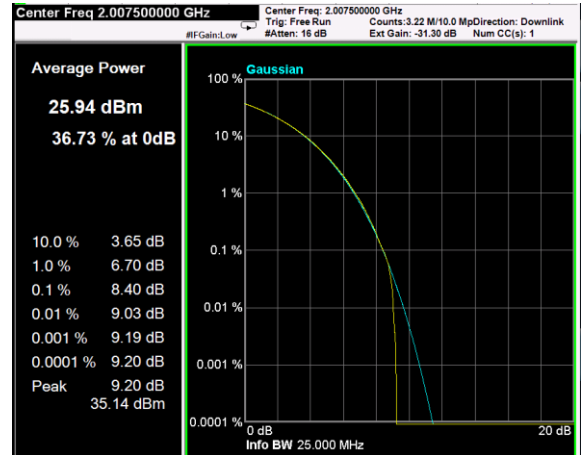
Channel: BOTTOM, Modulation: QPSK, BW=20MHz, Channel Power



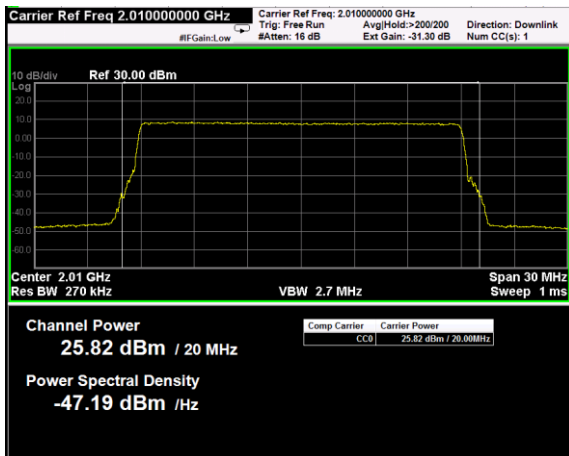
Channel: BOTTOM, Modulation: QPSK, BW=20MHz, CCDF



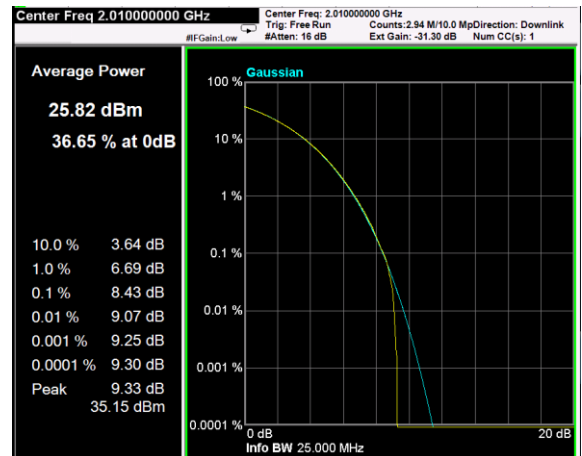
Channel: MIDDLE, Modulation: QPSK, BW=20MHz, Channel Power



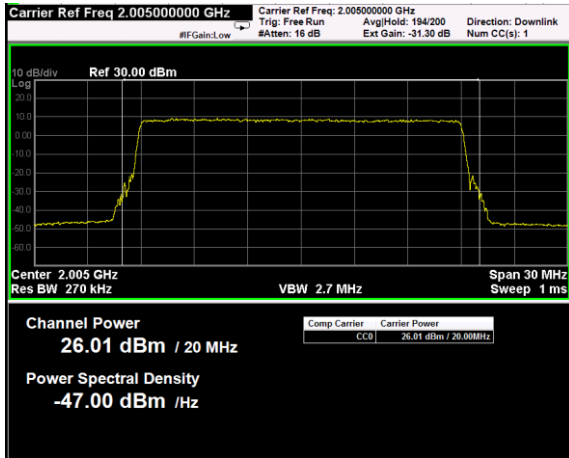
Channel: MIDDLE, Modulation: QPSK, BW=20MHz, CCDF



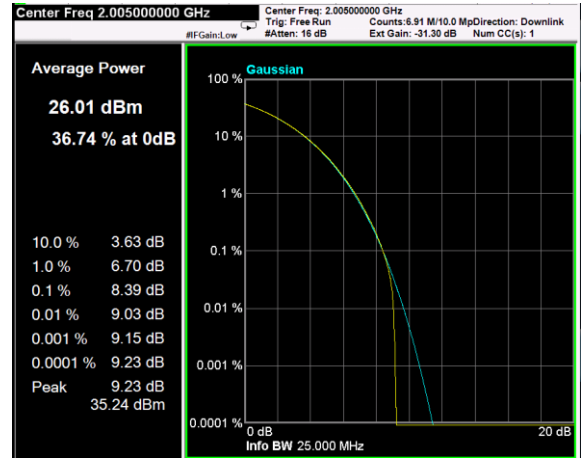
Channel: TOP, Modulation: QPSK, BW=20MHz, Channel Power



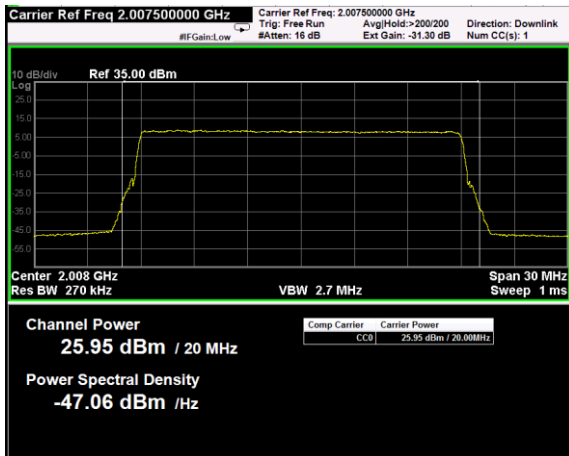
Channel: TOP, Modulation: QPSK, BW=20MHz, CCDF



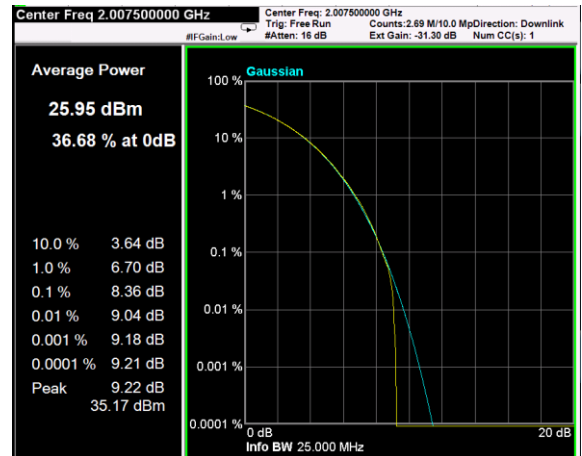
Channel: BOTTOM, Modulation: 16QAM, BW=20MHz, Channel Power



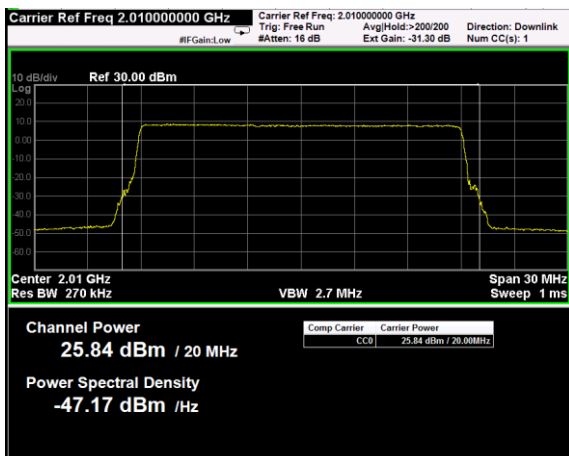
Channel: BOTTOM, Modulation: 16QAM, BW=20MHz, CCDF



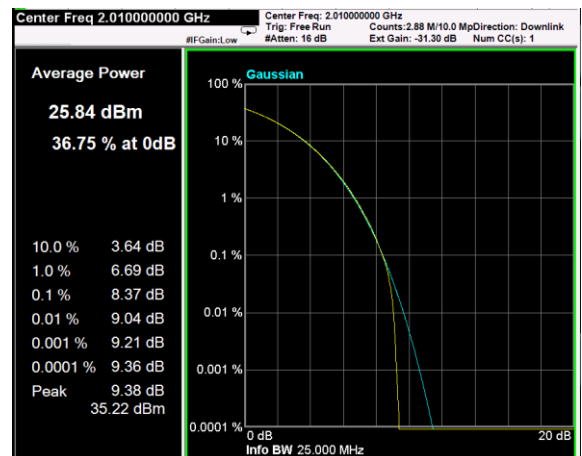
Channel: MIDDLE, Modulation: 16QAM, BW=20MHz, Channel Power



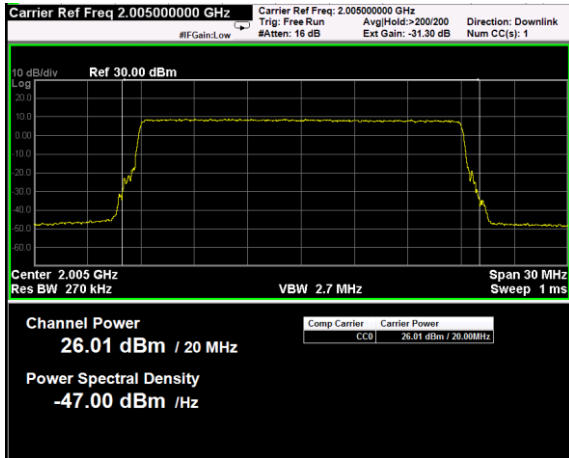
Channel: MIDDLE, Modulation: 16QAM, BW=20MHz, CCDF



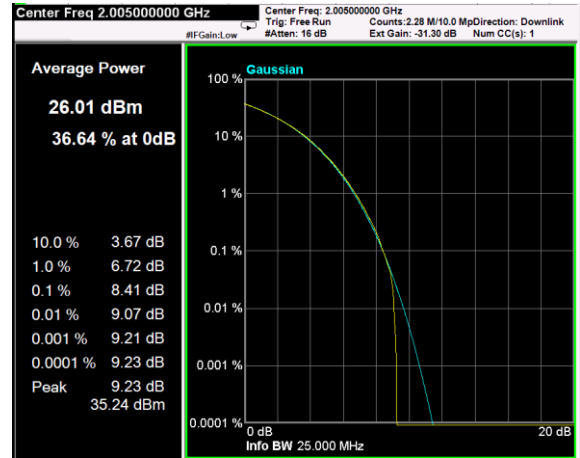
Channel: TOP, Modulation: 16QAM, BW=20MHz, Channel Power



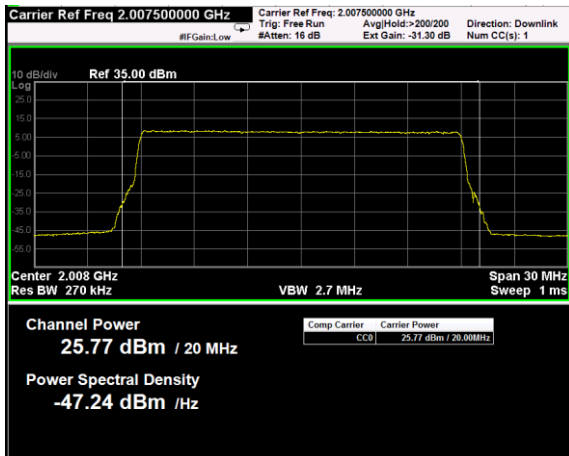
Channel: TOP, Modulation: 16QAM, BW=20MHz, CCDF



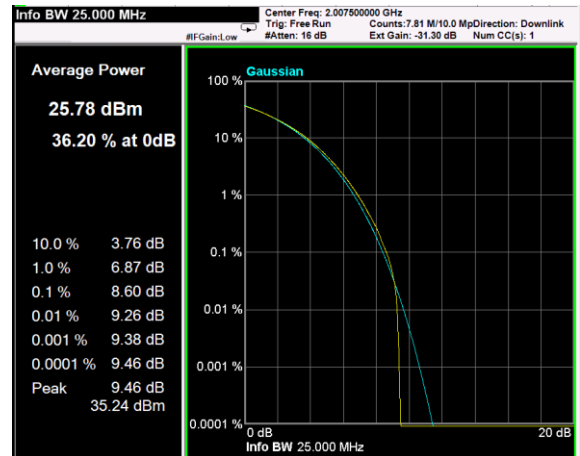
Channel: BOTTOM, Modulation: 64QAM, BW=20MHz, Channel Power



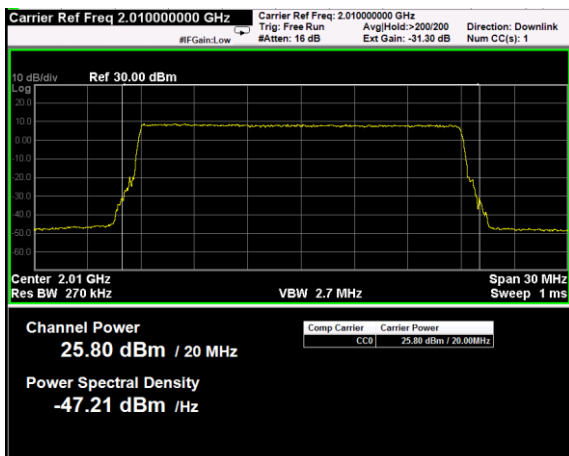
Channel: BOTTOM, Modulation: 64QAM, BW=20MHz, CCDF



Channel: MIDDLE, Modulation: 64QAM, BW=20MHz, Channel Power



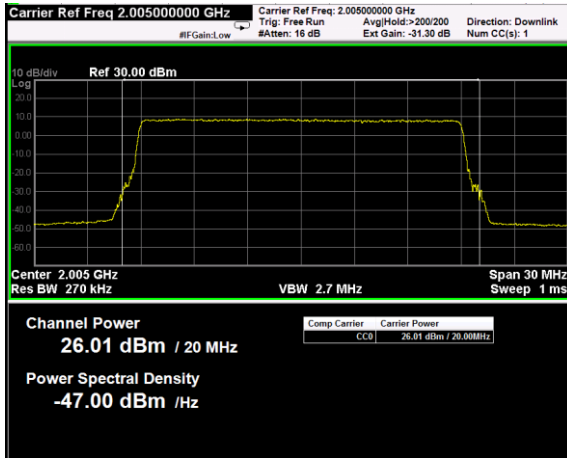
Channel: MIDDLE, Modulation: 64QAM, BW=20MHz, CCDF



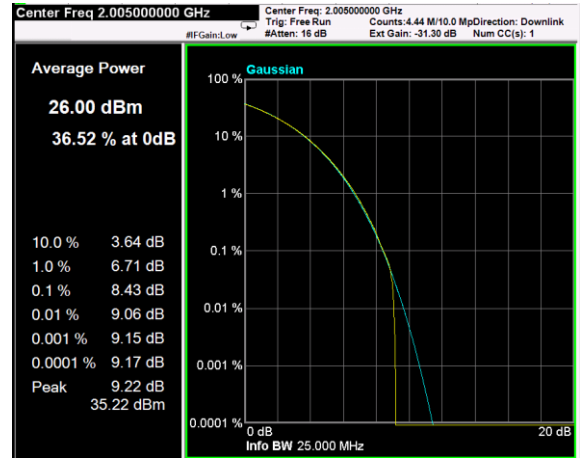
Channel: TOP, Modulation: 64QAM, BW=20MHz, Channel Power



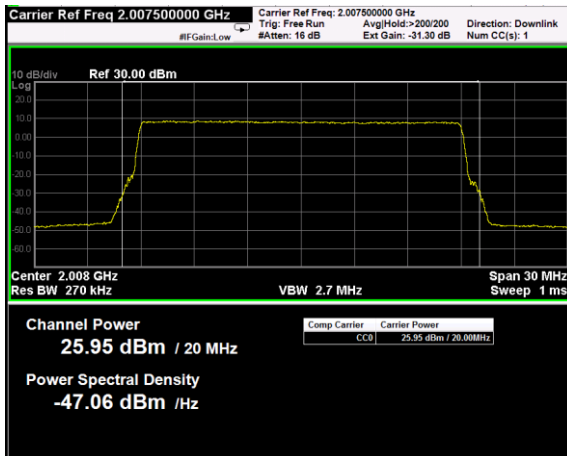
Channel: TOP, Modulation: 64QAM, BW=20MHz, CCDF



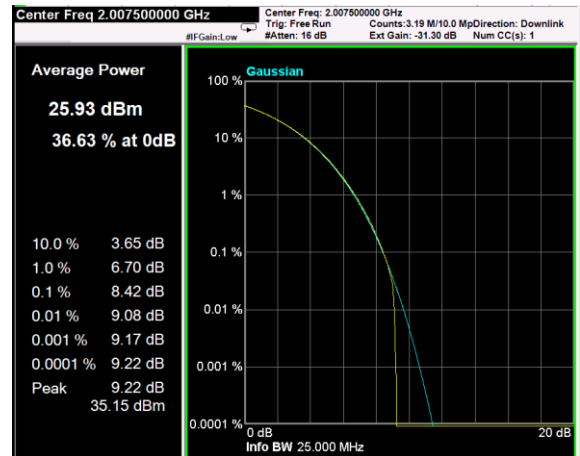
Channel: BOTTOM, Modulation: 256QAM, BW=20MHz, Channel Power



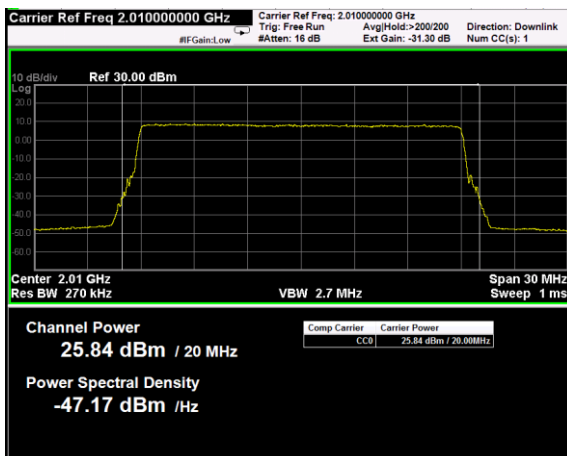
Channel: BOTTOM, Modulation: 256QAM, BW=20MHz, CCDF



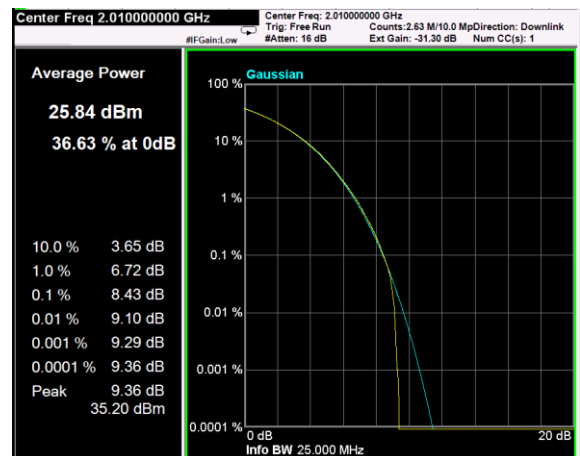
Channel: MIDDLE, Modulation: 256QAM, BW=20MHz, Channel Power



Channel: MIDDLE, Modulation: 256QAM, BW=20MHz, CCDF



Channel: TOP, Modulation: 256QAM, BW=20MHz, Channel Power

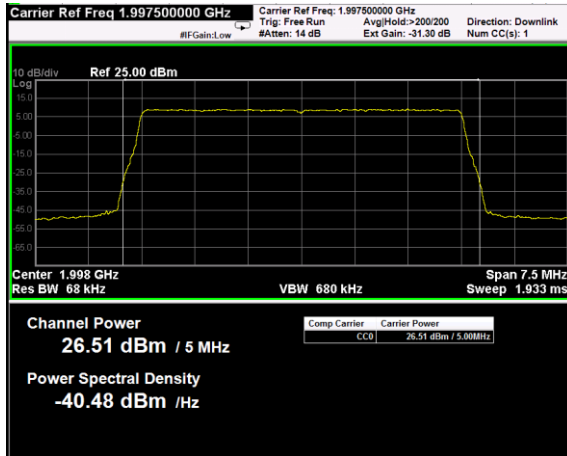


Channel: TOP, Modulation: 256QAM, BW=20MHz, CCDF

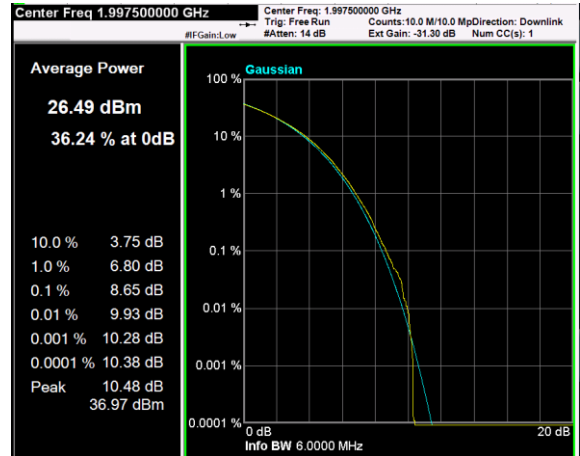
PAR measure is performed by the "CCDF" function installed on Spectrum analyzer that provides average power (the same measured with "Channel power" function), peak power and PAR.

RF PORT 2

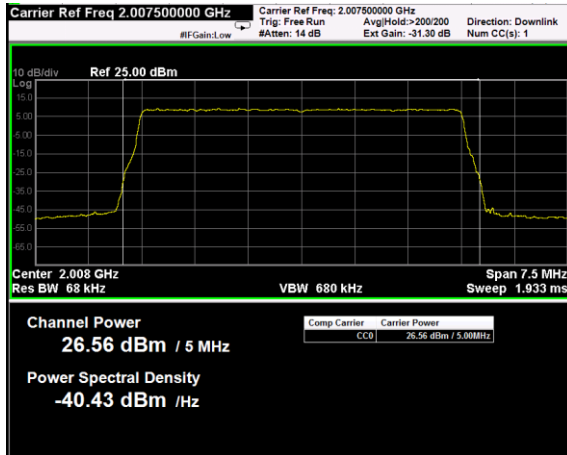
| Test data | | | | | |
|-----------|-------------------|-----------------|-----------------------|-----------------------------|----------|
| Direction | Modulation | Frequency (MHz) | RF output Power (dBm) | RF output channel Power (W) | PAR (dB) |
| Down-link | LTE 5MHz (QPSK) | 1997.5 | 26.51 | 0.448 | 10.48 |
| Down-link | LTE 5MHz (QPSK) | 2007.5 | 26.56 | 0.453 | 10.47 |
| Down-link | LTE 5MHz (QPSK) | 2017.5 | 26.21 | 0.418 | 10.86 |
| Down-link | LTE 5MHz (16QAM) | 1997.5 | 26.52 | 0.449 | 10.5 |
| Down-link | LTE 5MHz (16QAM) | 2007.5 | 26.56 | 0.453 | 10.48 |
| Down-link | LTE 5MHz (16QAM) | 2017.5 | 26.19 | 0.416 | 10.51 |
| Down-link | LTE 5MHz (64QAM) | 1997.5 | 26.49 | 0.446 | 10.51 |
| Down-link | LTE 5MHz (64QAM) | 2007.5 | 26.56 | 0.453 | 10.47 |
| Down-link | LTE 5MHz (64QAM) | 2017.5 | 26.17 | 0.414 | 10.51 |
| Down-link | LTE 5MHz (256QAM) | 1997.5 | 26.52 | 0.449 | 10.48 |
| Down-link | LTE 5MHz (256QAM) | 2007.5 | 26.55 | 0.452 | 10.47 |
| Down-link | LTE 5MHz (256QAM) | 2017.5 | 26.17 | 0.414 | 10.52 |



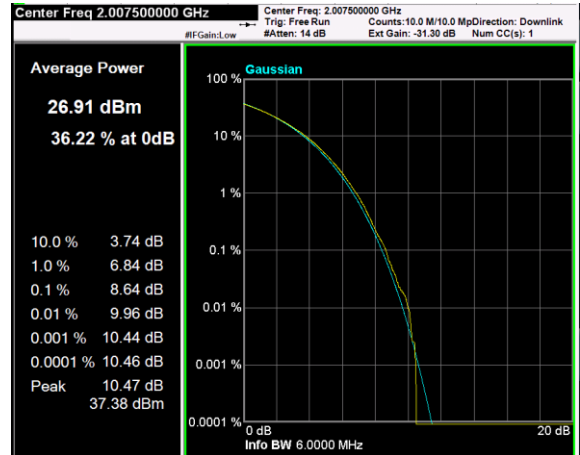
Channel: BOTTOM, Modulation: QPSK, BW=5MHz, Channel Power



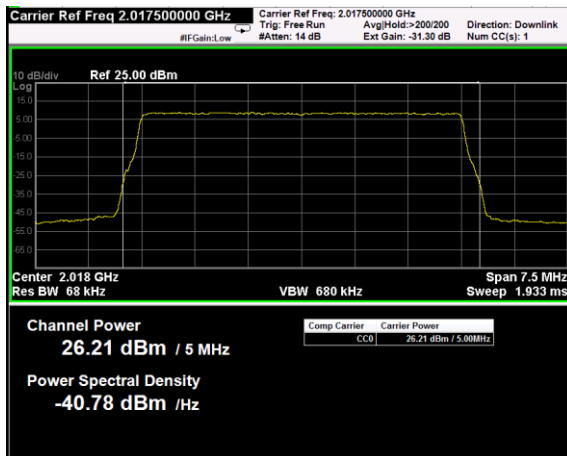
Channel: BOTTOM, Modulation: QPSK, BW=5MHz, CCDF



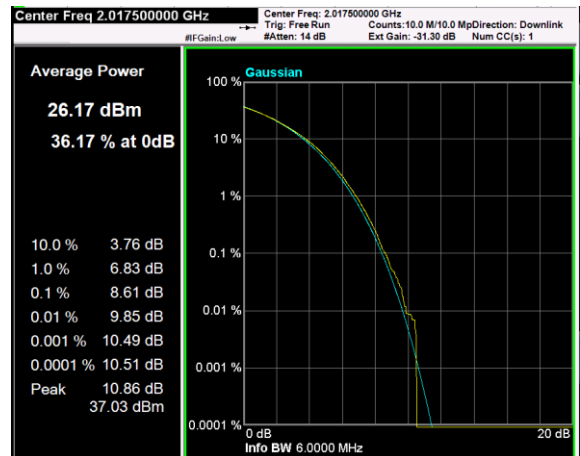
Channel: MIDDLE, Modulation: QPSK, BW=5MHz, Channel Power



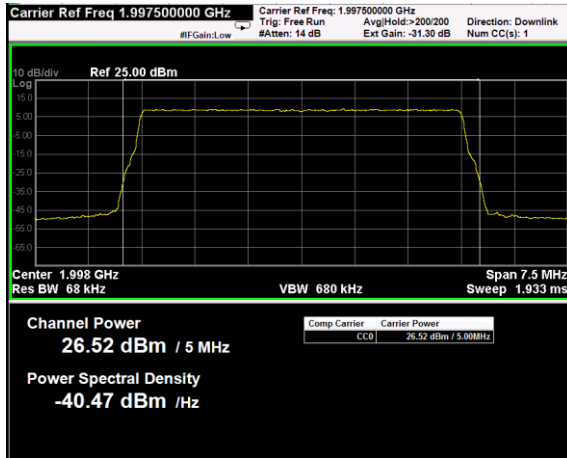
Channel: MIDDLE, Modulation: QPSK, BW=5MHz, CCDF



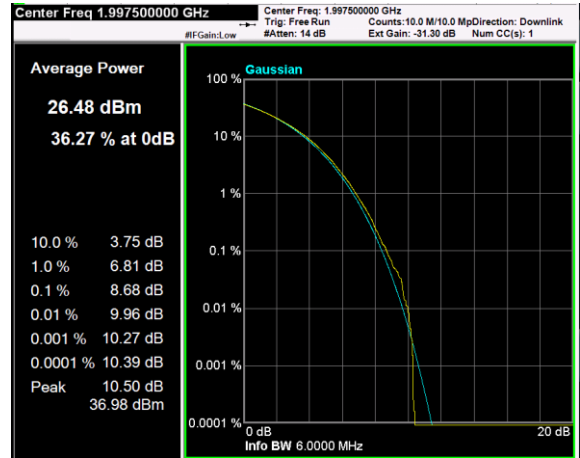
Channel: TOP, Modulation: QPSK, BW=5MHz, Channel Power



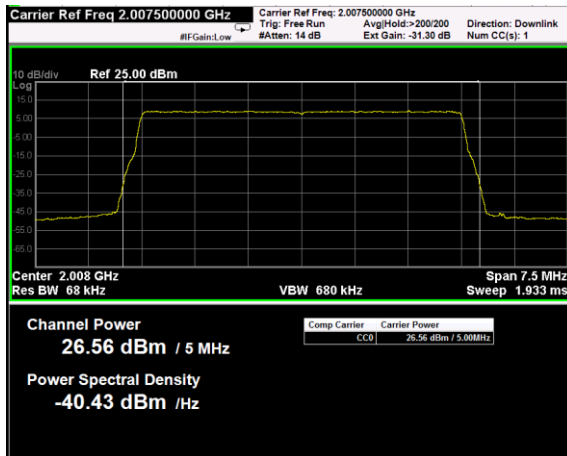
Channel: TOP, Modulation: QPSK, BW=5MHz, CCDF



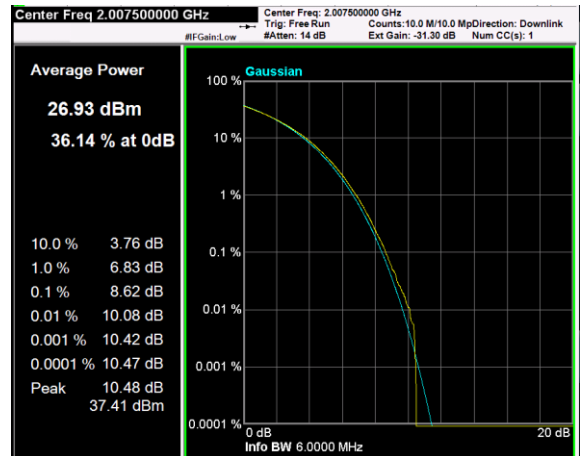
Channel: BOTTOM, Modulation: 16QAM, BW=5MHz, Channel Power



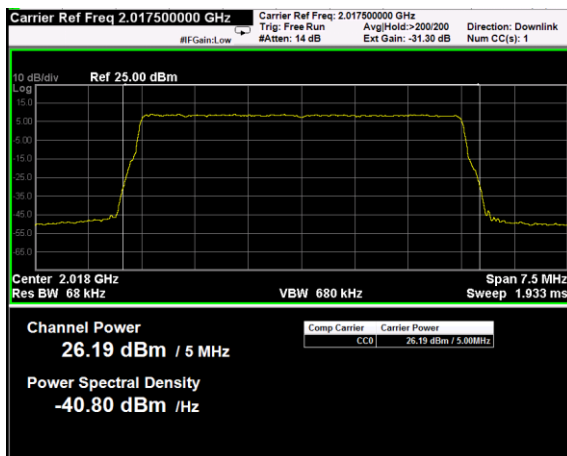
Channel: BOTTOM, Modulation: 16QAM, BW=5MHz, CCDF



Channel: MIDDLE, Modulation: 16QAM, BW=5MHz, Channel Power



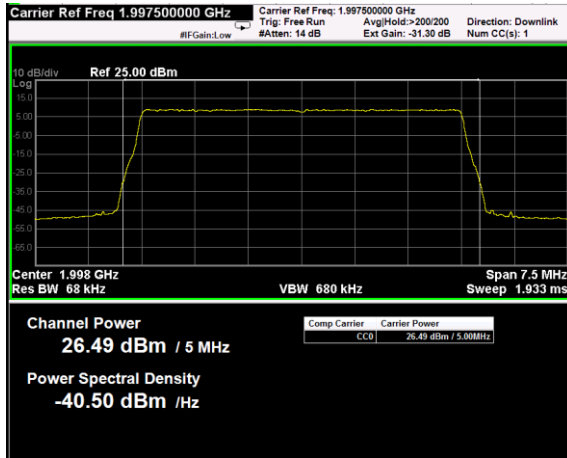
Channel: MIDDLE, Modulation: 16QAM, BW=5MHz, CCDF



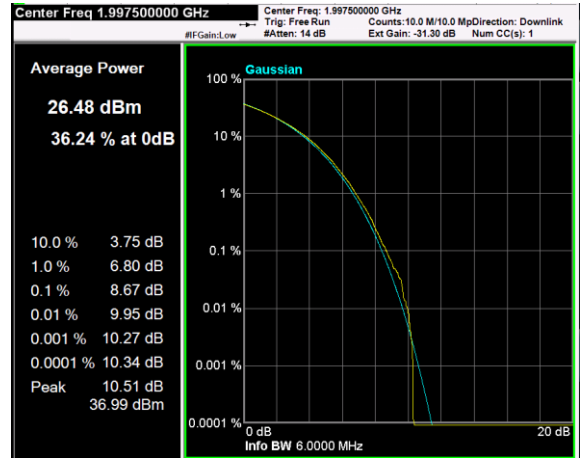
Channel: TOP, Modulation: 16QAM, BW=5MHz, Channel Power



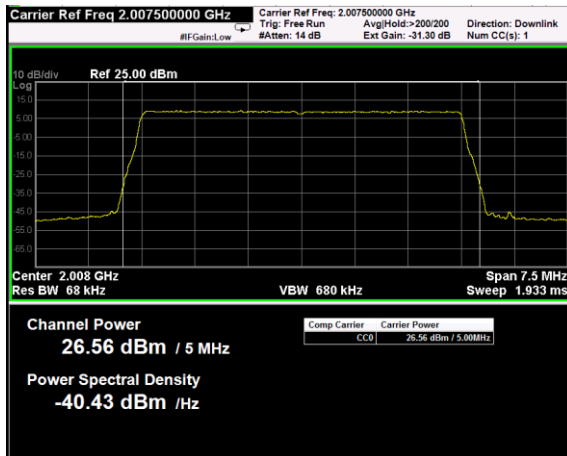
Channel: TOP, Modulation: 16QAM, BW=5MHz, CCDF



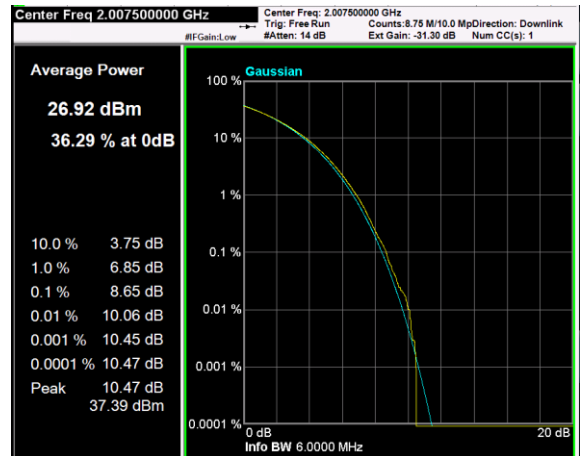
Channel: BOTTOM, Modulation: 64QAM, BW=5MHz, Channel Power



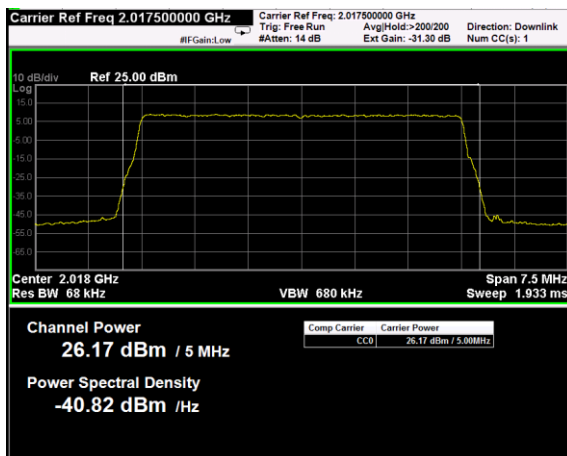
Channel: BOTTOM, Modulation: 64QAM, BW=5MHz, CCDF



Channel: MIDDLE, Modulation: 64QAM, BW=5MHz, Channel Power



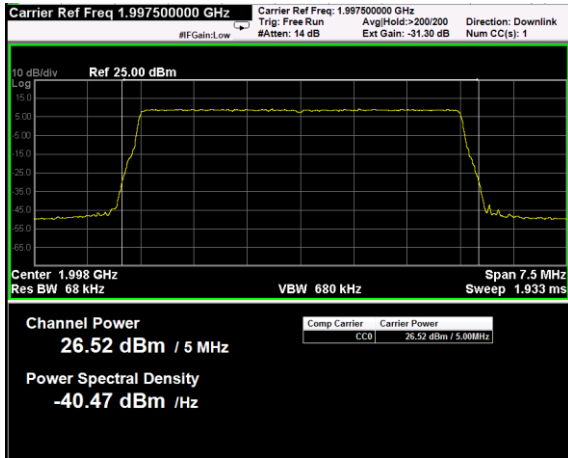
Channel: MIDDLE, Modulation: 64QAM, BW=5MHz, CCDF



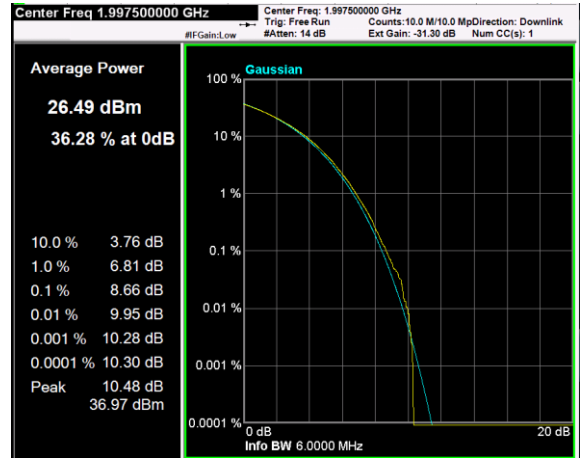
Channel: TOP, Modulation: 64QAM, BW=5MHz, Channel Power



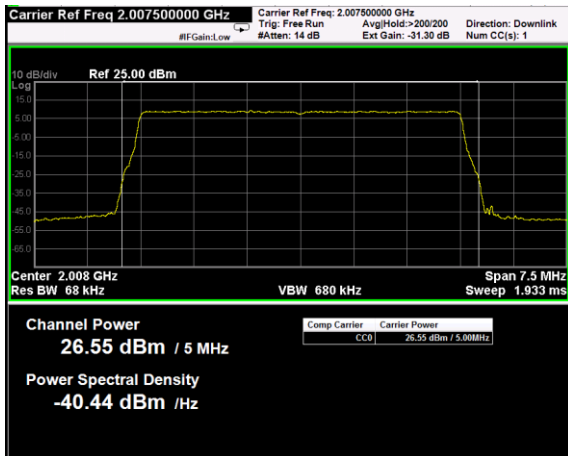
Channel: TOP, Modulation: 64QAM, BW=5MHz, CCDF



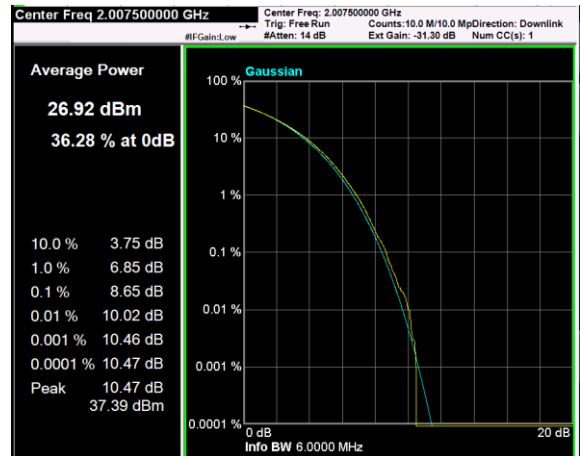
Channel: BOTTOM, Modulation: 256QAM, BW=5MHz, Channel Power



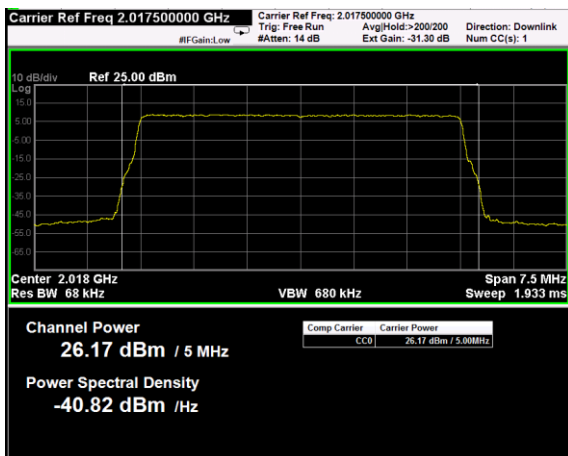
Channel: BOTTOM, Modulation: 256QAM, BW=5MHz, CCDF



Channel: MIDDLE, Modulation: 256QAM, BW=5MHz, Channel Power



Channel: MIDDLE, Modulation: 256QAM, BW=5MHz, CCDF

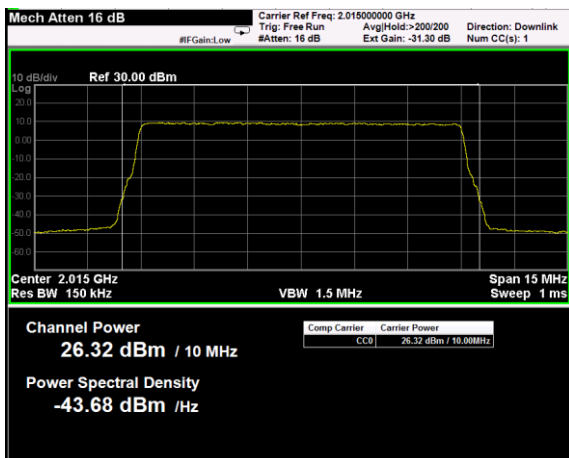
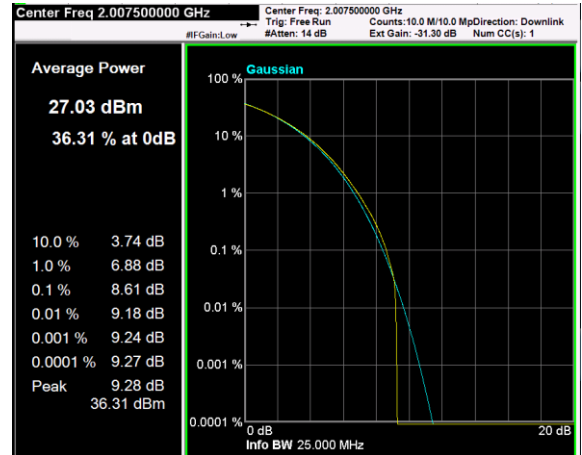
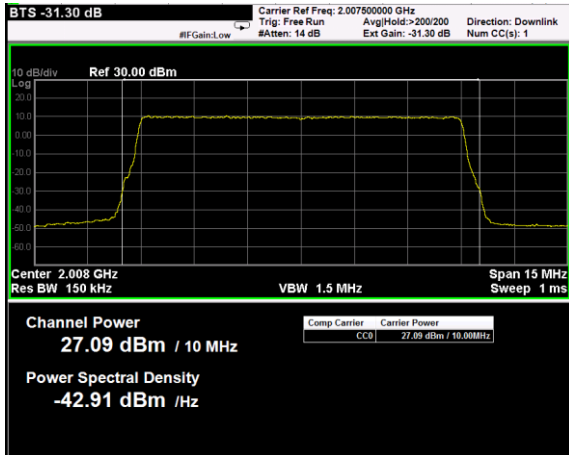
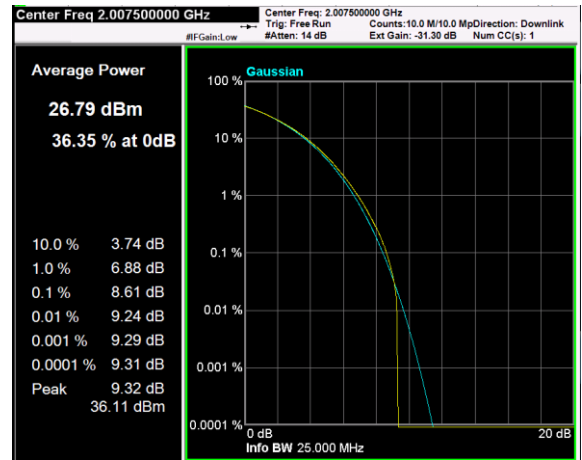
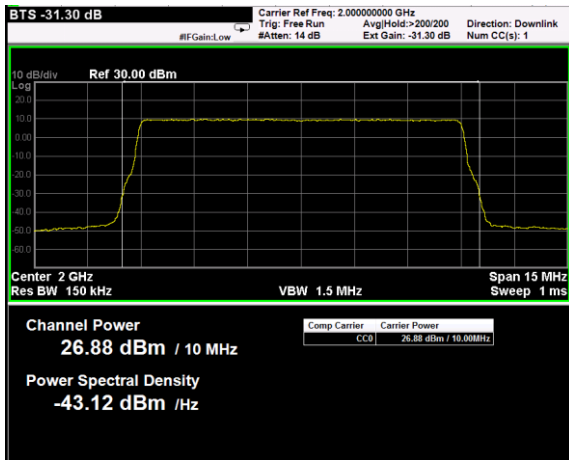


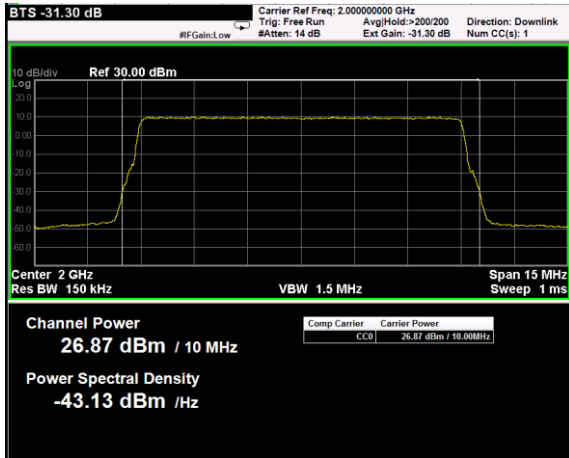
Channel: TOP, Modulation: 256QAM, BW=5MHz, Channel Power



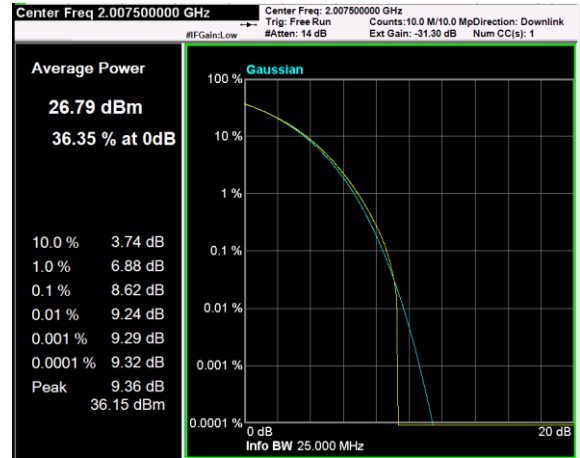
Channel: TOP, Modulation: 256QAM, BW=5MHz, CCDF

| Test data | | | | | |
|-----------|--------------------|-----------------|-----------------------|-----------------------------|----------|
| Direction | Modulation | Frequency (MHz) | RF output Power (dBm) | RF output channel Power (W) | PAR (dB) |
| Down-link | LTE 10MHz (QPSK) | 2000 | 26.88 | 0.488 | 9.32 |
| Down-link | LTE 10MHz (QPSK) | 2007.5 | 27.09 | 0.512 | 9.28 |
| Down-link | LTE 10MHz (QPSK) | 2015 | 26.32 | 0.429 | 9.42 |
| Down-link | LTE 10MHz (16QAM) | 2000 | 26.87 | 0.486 | 9.36 |
| Down-link | LTE 10MHz (16QAM) | 2007.5 | 27.07 | 0.509 | 9.3 |
| Down-link | LTE 10MHz (16QAM) | 2015 | 26.34 | 0.431 | 9.43 |
| Down-link | LTE 10MHz (64QAM) | 2000 | 26.84 | 0.483 | 9.36 |
| Down-link | LTE 10MHz (64QAM) | 2007.5 | 27.09 | 0.512 | 9.3 |
| Down-link | LTE 10MHz (64QAM) | 2015 | 26.3 | 0.427 | 9.46 |
| Down-link | LTE 10MHz (256QAM) | 2000 | 26.88 | 0.488 | 9.33 |
| Down-link | LTE 10MHz (256QAM) | 2007.5 | 27.07 | 0.509 | 9.3 |
| Down-link | LTE 10MHz (256QAM) | 2015 | 26.36 | 0.433 | 9.41 |

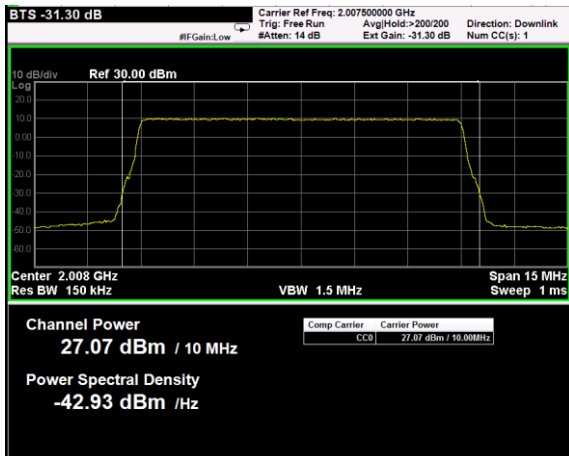




Channel: BOTTOM, Modulation: 16QAM, BW=10MHz, Channel Power



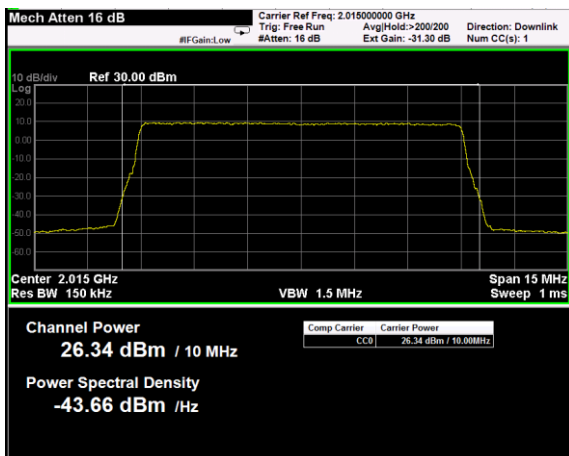
Channel: BOTTOM, Modulation: 16QAM, BW=10MHz, CCDF



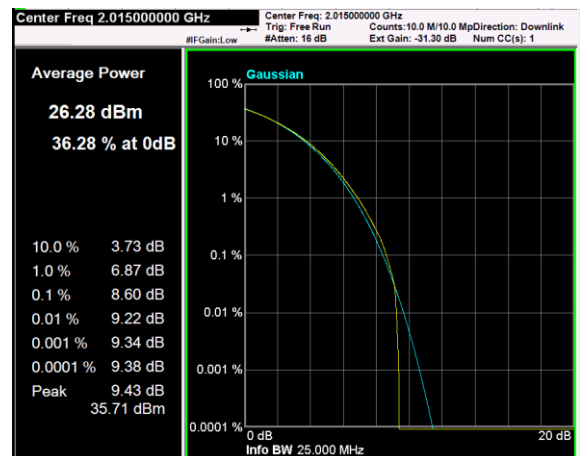
Channel: MIDDLE, Modulation: 16QAM, BW=10MHz, Channel Power



Channel: MIDDLE, Modulation: 16QAM, BW=10MHz, CCDF



Channel: TOP, Modulation: 16QAM, BW=10MHz, Channel Power



Channel: TOP, Modulation: 16QAM, BW=10MHz, CCDF