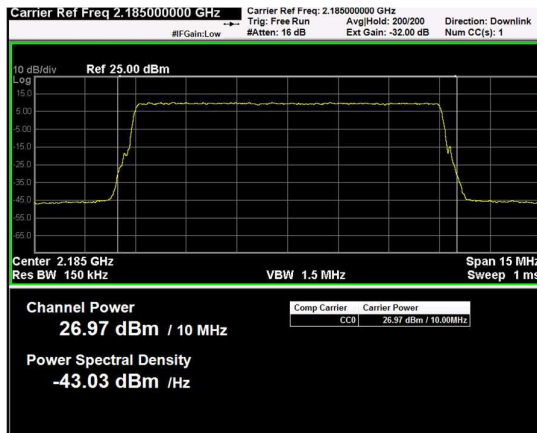
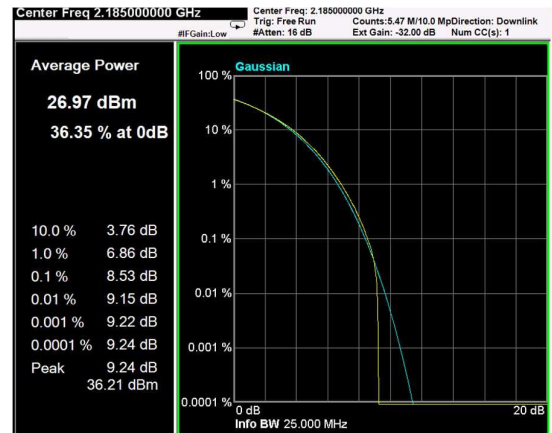
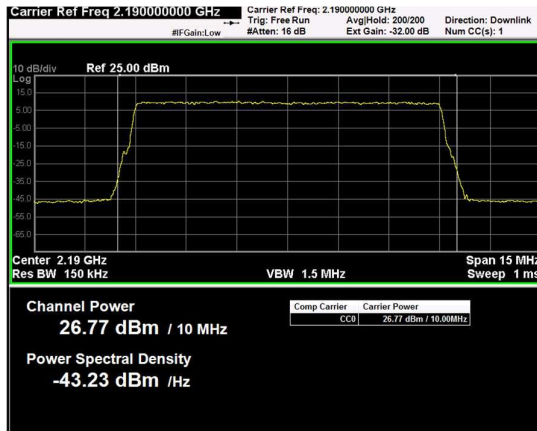




Channel: BOTTOM, Modulation: 256QAM, BW=10MHz, Channel Power



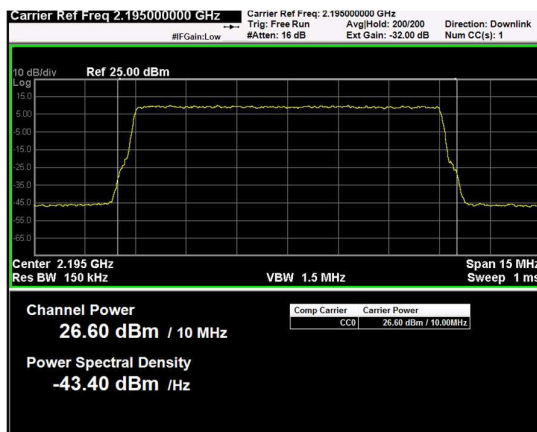
Channel: BOTTOM, Modulation: 256QAM, BW=10MHz, CCDF



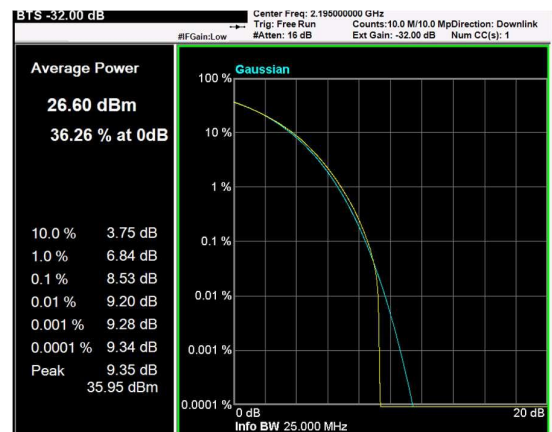
Channel: MIDDLE, Modulation: 256QAM, BW=10MHz, Channel Power



Channel: MIDDLE, Modulation: 256QAM, BW=10MHz, CCDF

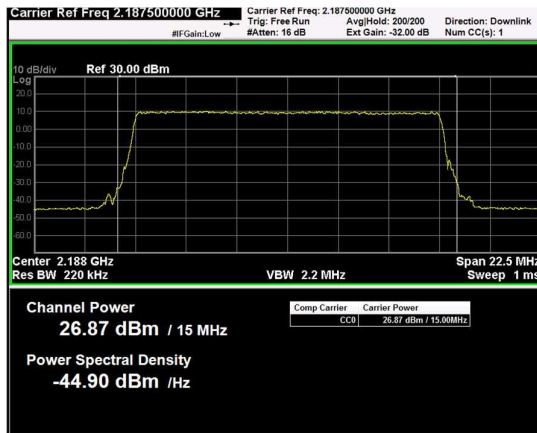


Channel: TOP, Modulation: 256QAM, BW=10MHz, Channel Power

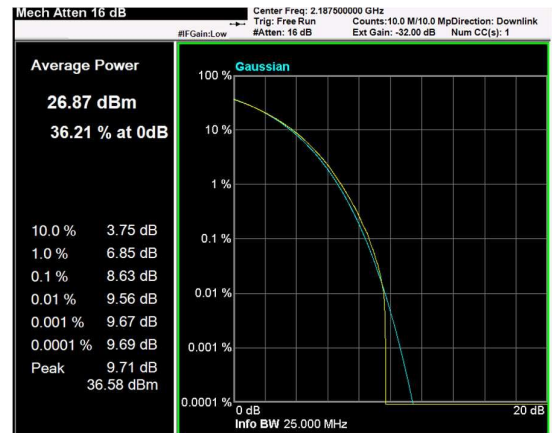


Channel: TOP, Modulation: 256QAM, BW=10MHz, CCDF

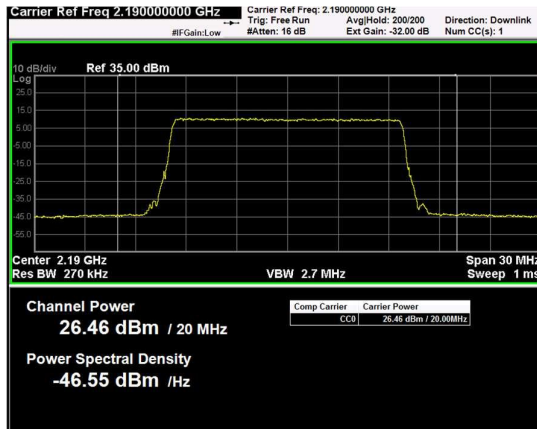
Test data					
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	PAR (dB)
Down-link	LTE 15MHz (QPSK)	2187.5	26.9	0.486	9.7
Down-link	LTE 15MHz (QPSK)	2190	26.5	0.443	9.7
Down-link	LTE 15MHz (QPSK)	2192.5	26.7	0.470	9.8
Down-link	LTE 15MHz (16QAM)	2187.5	26.8	0.482	9.8
Down-link	LTE 15MHz (16QAM)	2190	26.9	0.488	9.8
Down-link	LTE 15MHz (16QAM)	2192.5	26.8	0.474	9.8
Down-link	LTE 15MHz (64QAM)	2187.5	26.9	0.484	9.8
Down-link	LTE 15MHz (64QAM)	2190	26.8	0.479	9.8
Down-link	LTE 15MHz (64QAM)	2192.5	26.7	0.469	9.8
Down-link	LTE 15MHz (256QAM)	2187.5	26.9	0.494	9.7
Down-link	LTE 15MHz (256QAM)	2190	26.9	0.485	9.8
Down-link	LTE 15MHz (256QAM)	2192.5	26.8	0.474	9.8



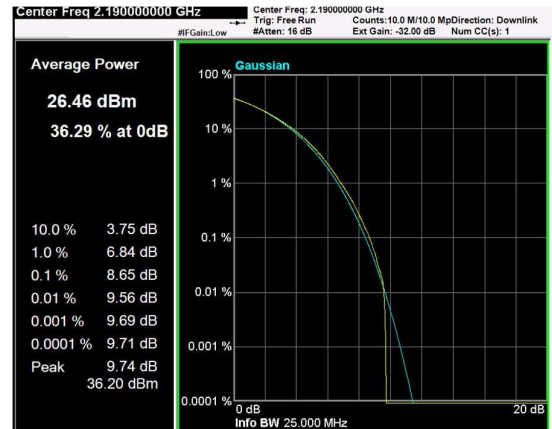
Channel: BOTTOM, Modulation: QPSK,
 BW=15MHz, Channel Power



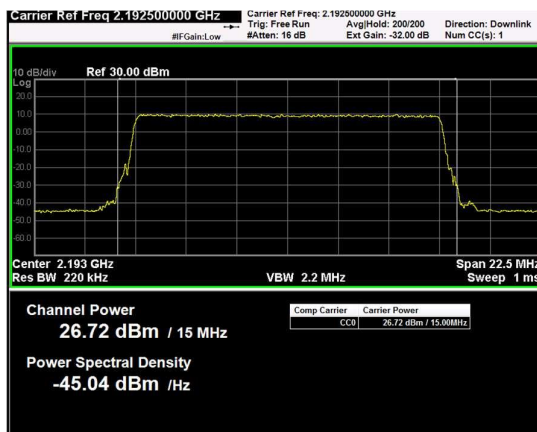
Channel: BOTTOM, Modulation: QPSK,
 BW=15MHz, CCDF



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



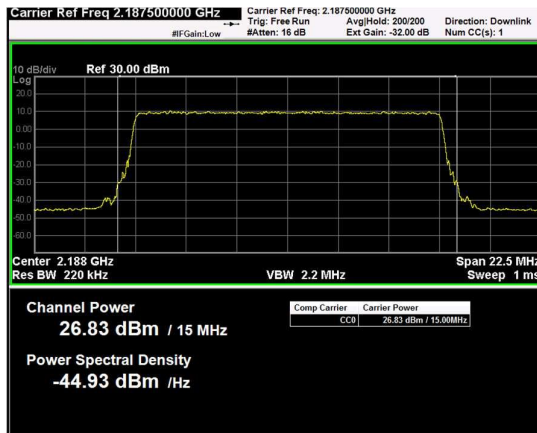
Channel: MIDDLE, Modulation: QPSK,
 BW=15MHz, CCDF



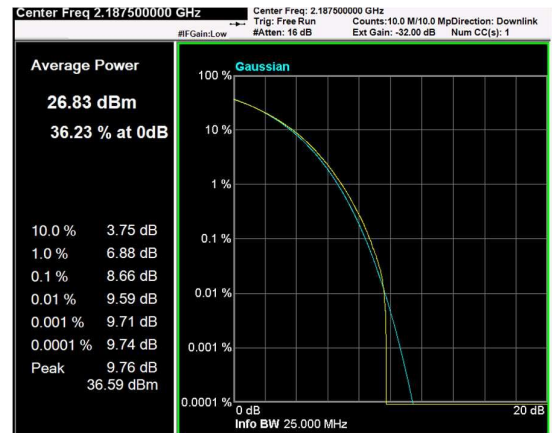
Channel: TOP, Modulation: QPSK,
 BW=15MHz, Channel Power



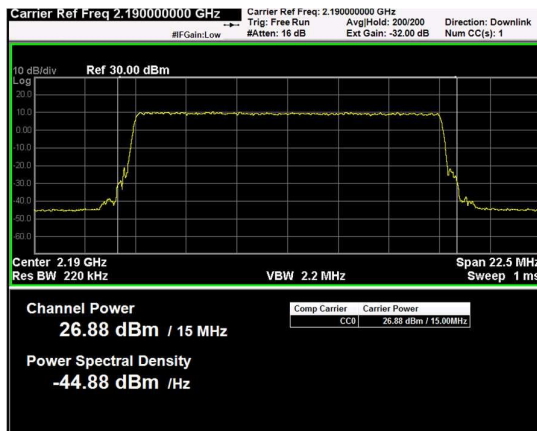
Channel: TOP, Modulation: QPSK,
 BW=15MHz, CCDF



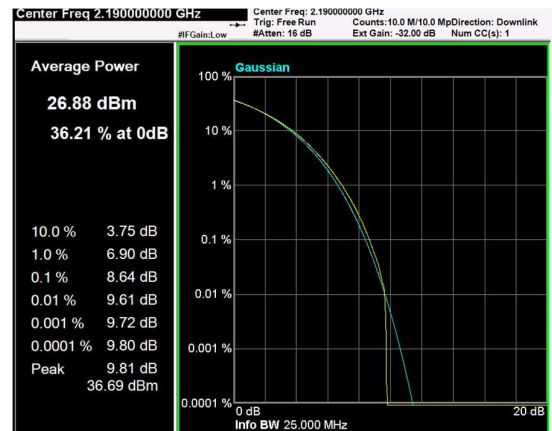
Channel: BOTTOM, Modulation: 16QAM, BW=15MHz, Channel Power



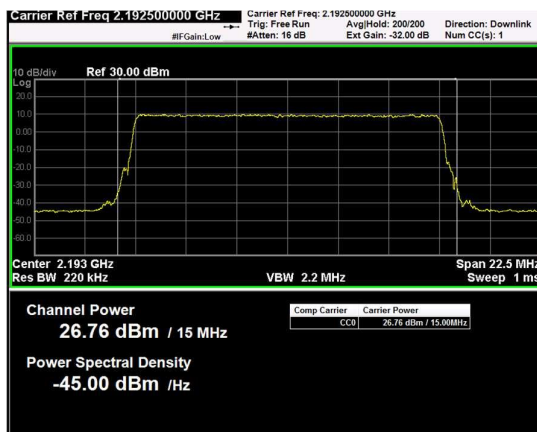
Channel: BOTTOM, Modulation: 16QAM, BW=15MHz, CCDF



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



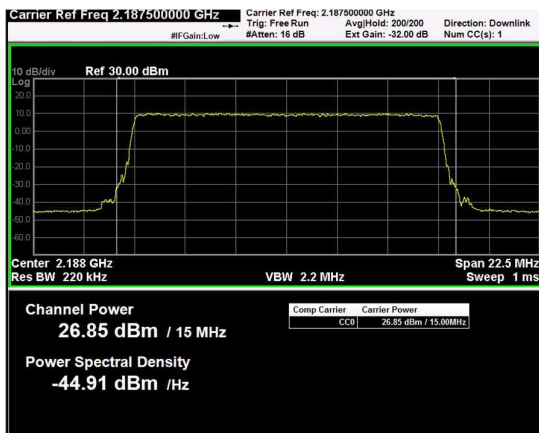
Channel: MIDDLE, Modulation: 16QAM, BW=15MHz, CCDF



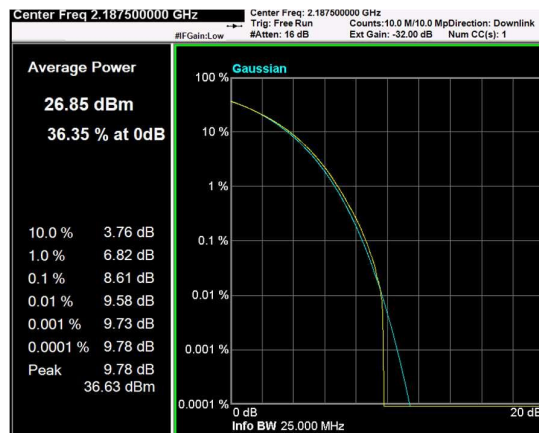
Channel: TOP, Modulation: 16QAM, BW=15MHz, Channel Power



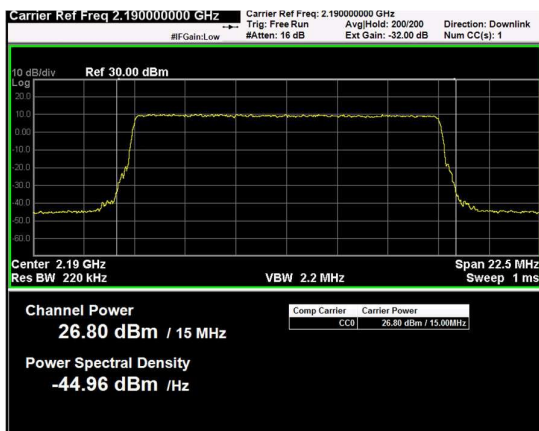
Channel: TOP, Modulation: 16QAM, BW=15MHz, CCDF



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



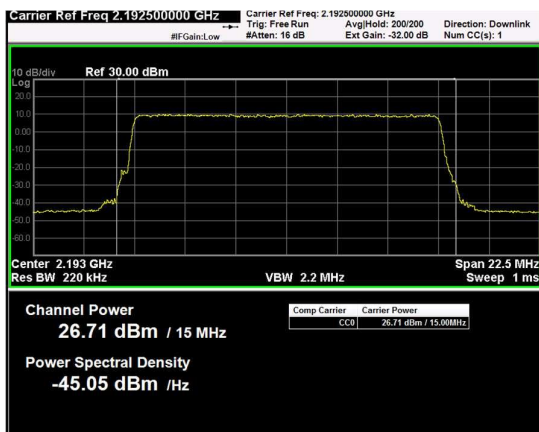
Channel: BOTTOM, Modulation: 64QAM, BW=15MHz, CCDF



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



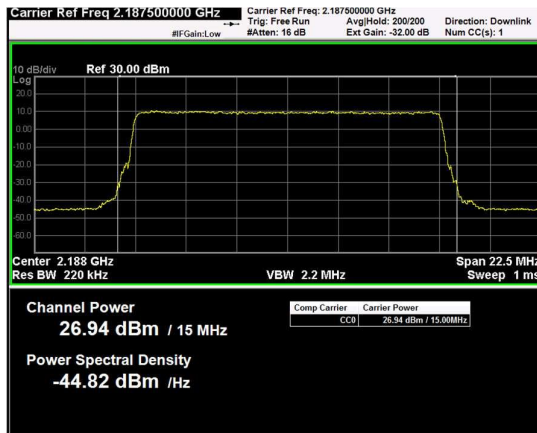
Channel: MIDDLE, Modulation: 64QAM, BW=15MHz, CCDF



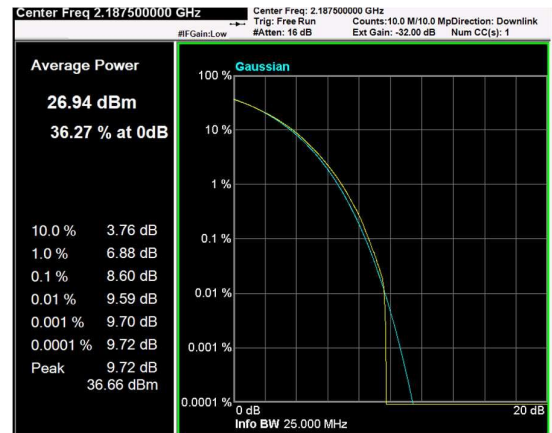
Channel: TOP, Modulation: 64QAM, BW=15MHz, Channel Power



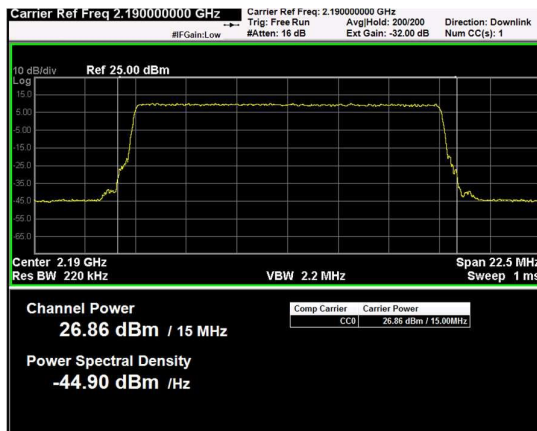
Channel: TOP, Modulation: 64QAM, BW=15MHz, CCDF



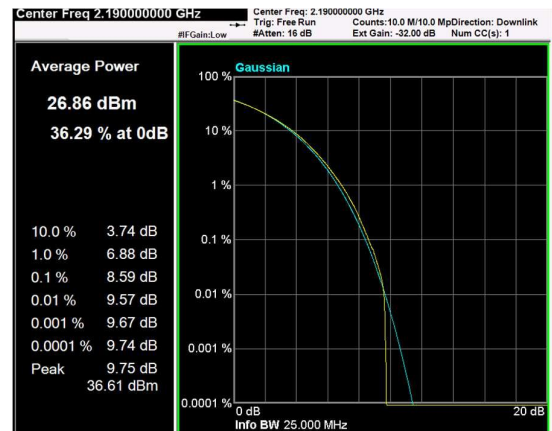
Channel: BOTTOM, Modulation: 256QAM, BW=15MHz, Channel Power



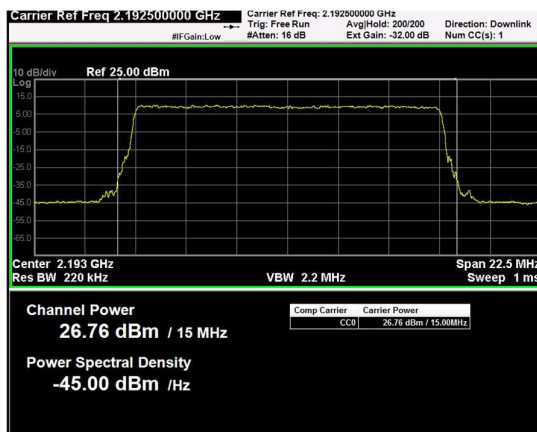
Channel: BOTTOM, Modulation: 256QAM, BW=15MHz, CCDF



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



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

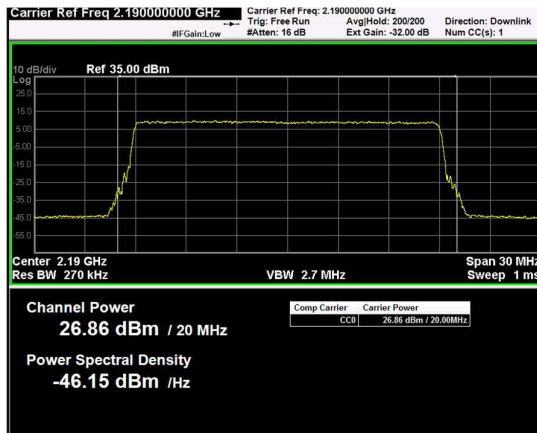


Channel: TOP, Modulation: 256QAM, BW=15MHz, Channel Power

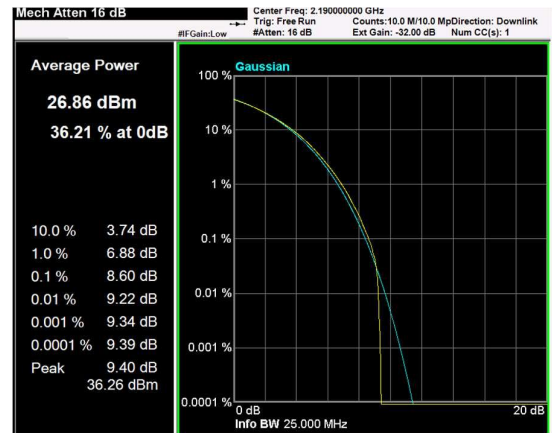


Channel: TOP, Modulation: 256QAM, BW=15MHz, CCDF

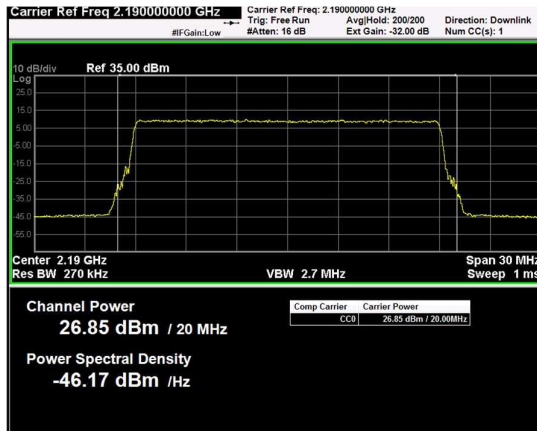
Test data					
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	PAR (dB)
Down-link	LTE 20MHz (QPSK)	2190	26.9	0.485	9.4
Down-link	LTE 20MHz (16QAM)	2190	26.9	0.484	9.4
Down-link	LTE 20MHz (64QAM)	2190	26.8	0.482	9.4
Down-link	LTE 20MHz (256QAM)	2190	27.0	0.500	9.4



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



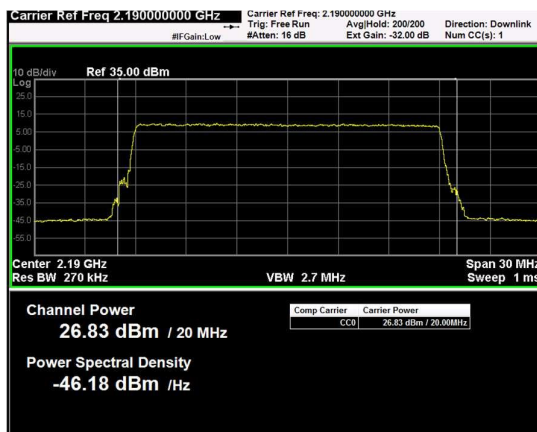
Channel: MIDDLE, Modulation: QPSK, BW=20MHz, CCDF



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



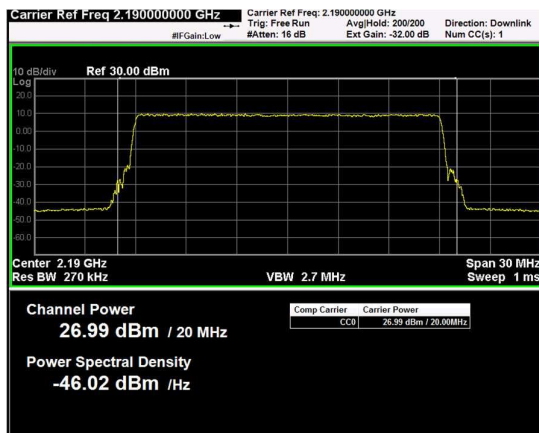
Channel: MIDDLE, Modulation: 16QAM, BW=20MHz, CCDF



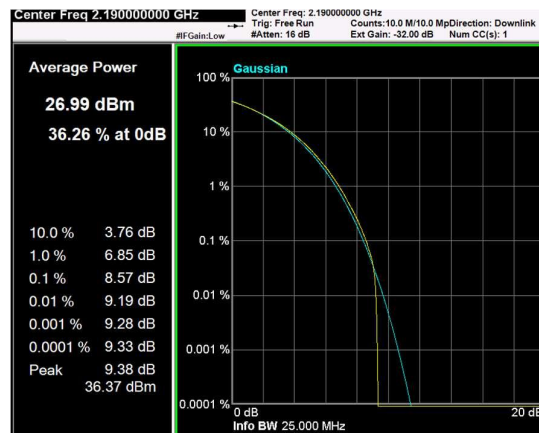
Channel: MIDDLE, Modulation: 64QAM, BW=20MHz, Channel Power



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



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

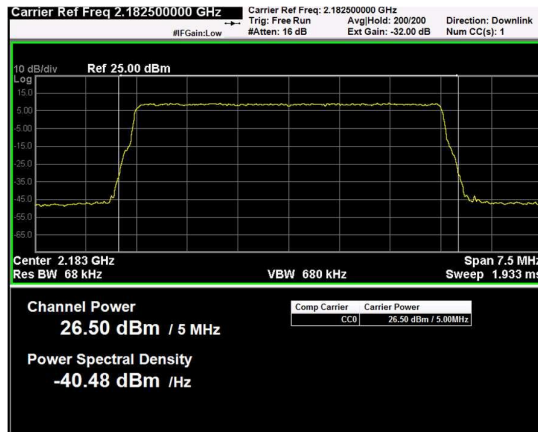


Channel: MIDDLE, Modulation: 256QAM,
 BW=20MHz, CCDF

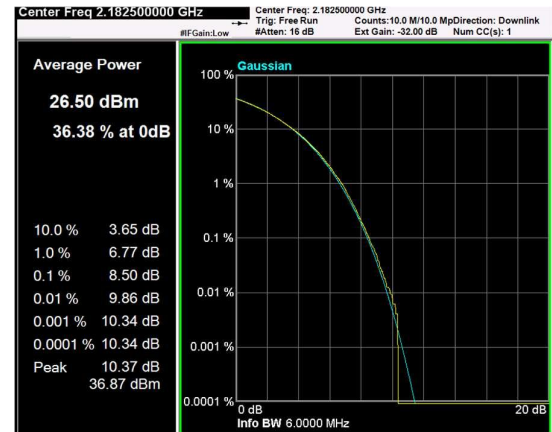
PAR measure is performed by the “CCDF” function installed on Spectrum analyzer that provides average power (the same measured with “Channel power” function), peak power and PAR.

RF PORT 2

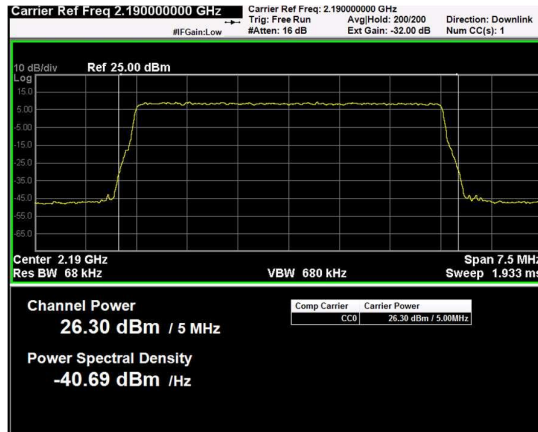
Test data					
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	PAR (dB)
Down-link	LTE 5MHz (QPSK)	2182.5	26.5	0.447	10.4
Down-link	LTE 5MHz (QPSK)	2190	26.3	0.427	10.4
Down-link	LTE 5MHz (QPSK)	2197.5	26.0	0.396	10.4
Down-link	LTE 5MHz (16QAM)	2182.5	26.5	0.444	10.4
Down-link	LTE 5MHz (16QAM)	2190	26.3	0.429	10.4
Down-link	LTE 5MHz (16QAM)	2197.5	26.0	0.400	10.5
Down-link	LTE 5MHz (64QAM)	2182.5	26.3	0.431	10.5
Down-link	LTE 5MHz (64QAM)	2190	26.2	0.412	10.5
Down-link	LTE 5MHz (64QAM)	2197.5	25.9	0.385	10.6
Down-link	LTE 5MHz (256QAM)	2182.5	26.5	0.446	10.4
Down-link	LTE 5MHz (256QAM)	2190	26.3	0.428	10.4
Down-link	LTE 5MHz (256QAM)	2197.5	26.0	0.396	10.4



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



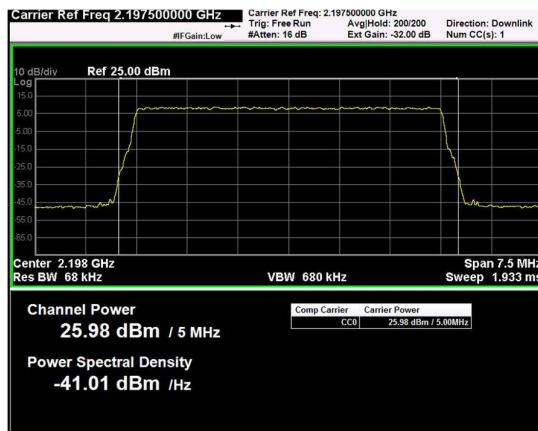
Channel: BOTTOM, Modulation: QPSK, BW=5MHz, CCDF



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



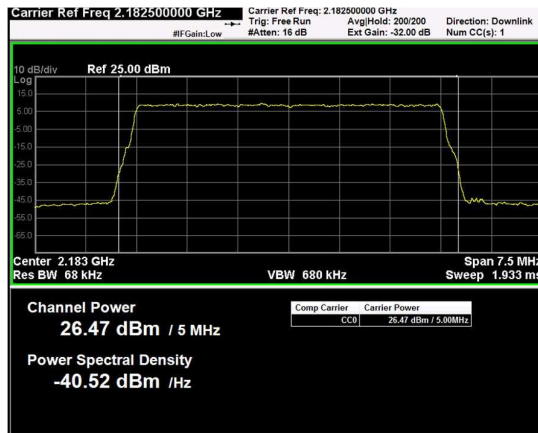
Channel: MIDDLE, Modulation: QPSK, BW=5MHz, CCDF



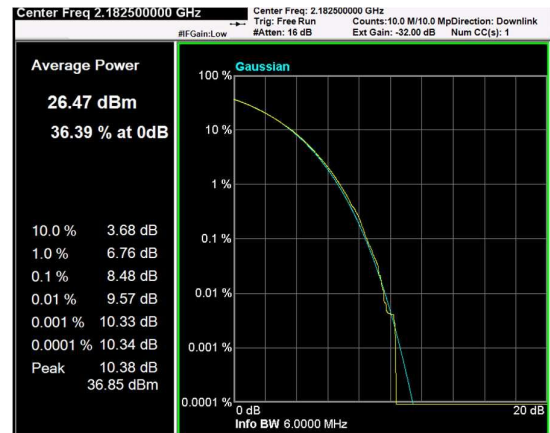
Channel: TOP, Modulation: QPSK, BW=5MHz, Channel Power



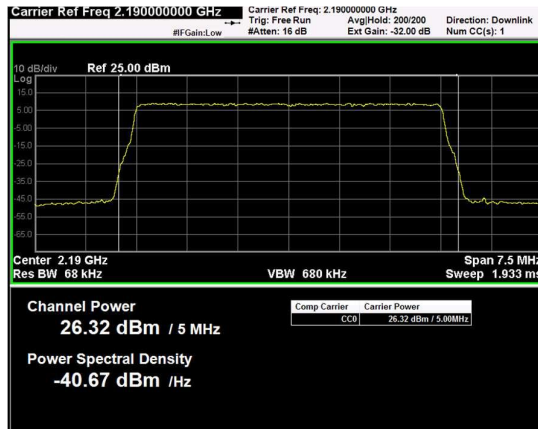
Channel: TOP, Modulation: QPSK, BW=5MHz, CCDF



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



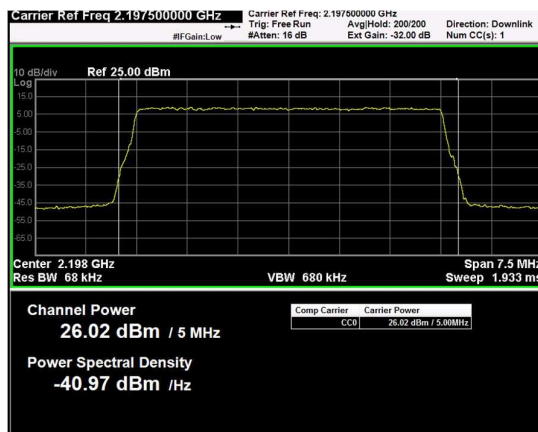
Channel: BOTTOM, Modulation: 16QAM, BW=5MHz, CCDF



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



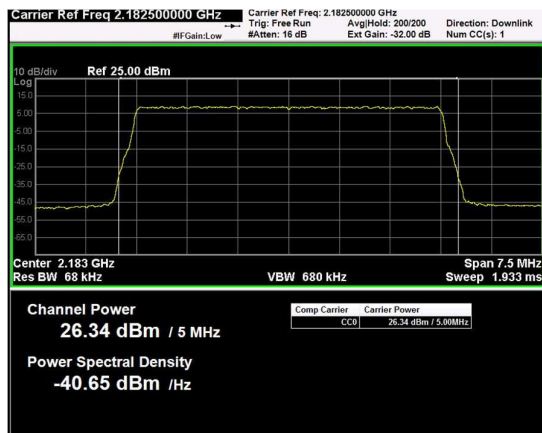
Channel: MIDDLE, Modulation: 16QAM, BW=5MHz, CCDF



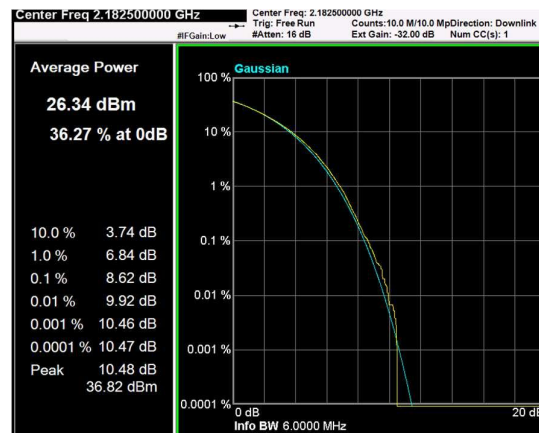
Channel: TOP, Modulation: 16QAM, BW=5MHz, Channel Power



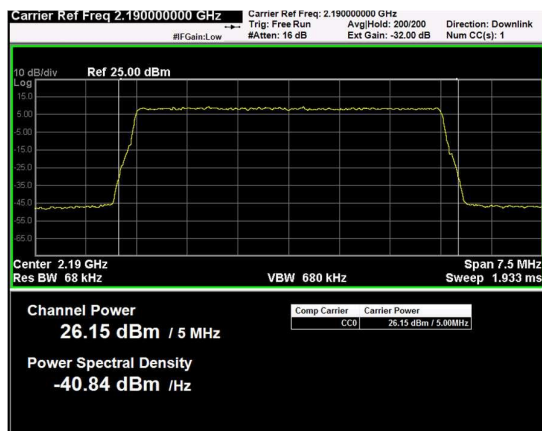
Channel: TOP, Modulation: 16QAM, BW=5MHz, CCDF



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



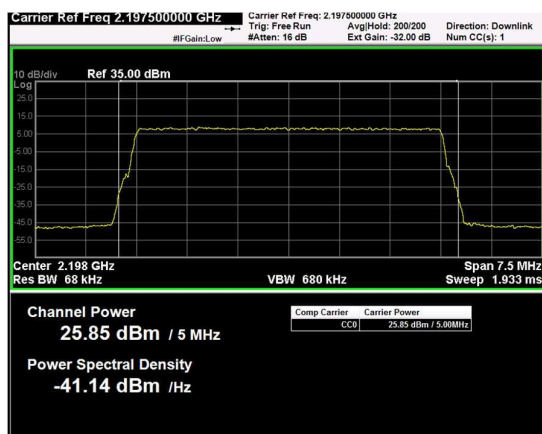
Channel: BOTTOM, Modulation: 64QAM, BW=5MHz, CCDF



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



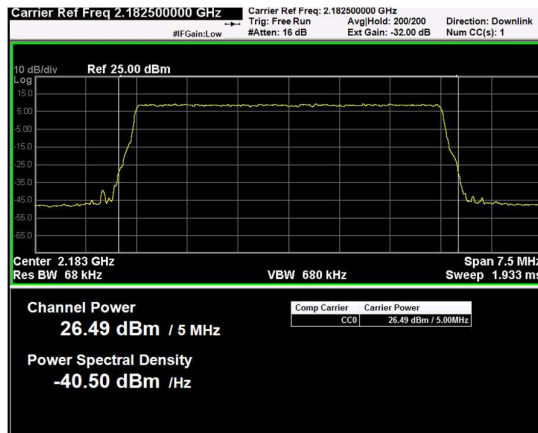
Channel: MIDDLE, Modulation: 64QAM, BW=5MHz, CCDF



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



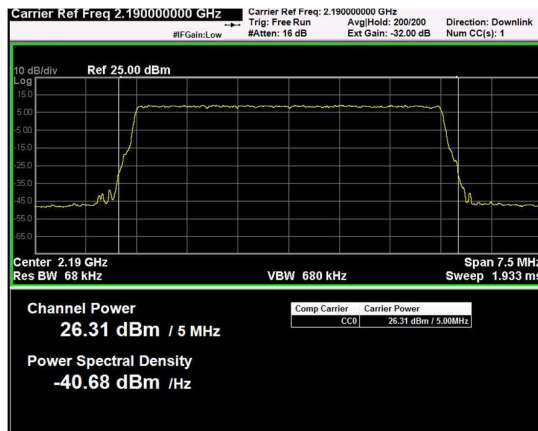
Channel: TOP, Modulation: 64QAM, BW=5MHz, CCDF



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



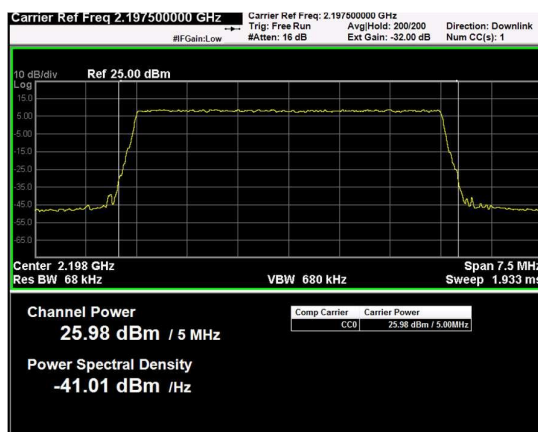
Channel: BOTTOM, Modulation: 256QAM, BW=5MHz, CCDF



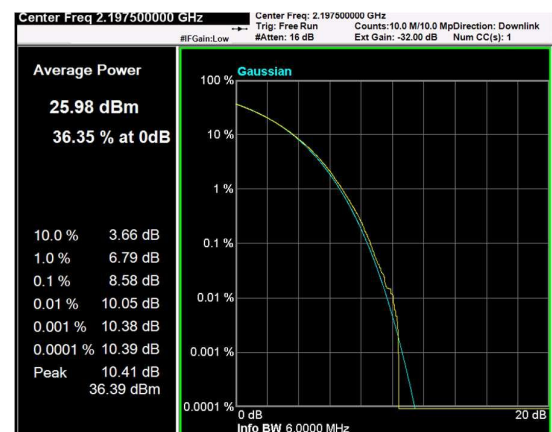
Channel: MIDDLE, Modulation: 256QAM, BW=5MHz, Channel Power



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

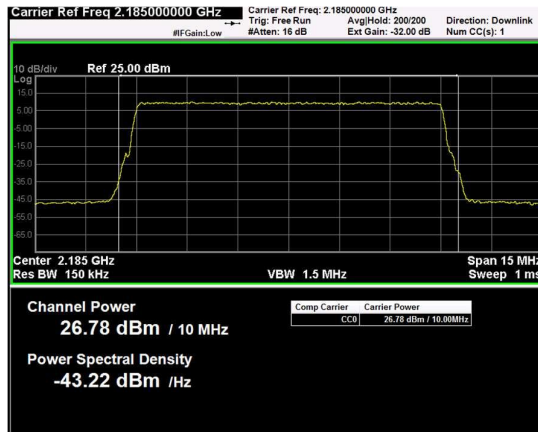
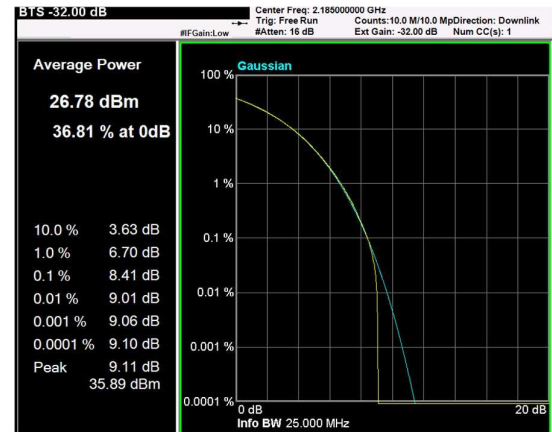
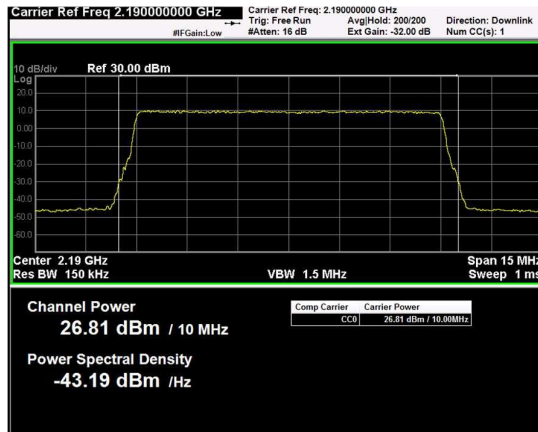
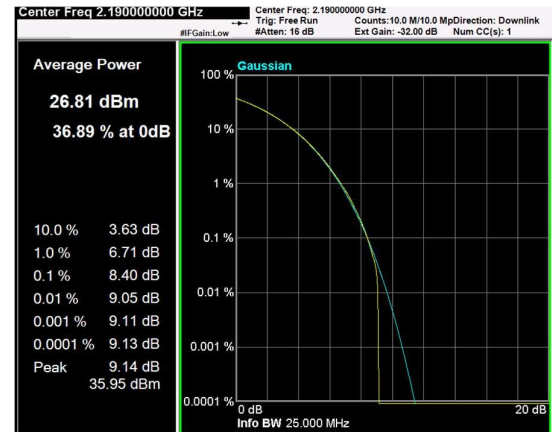
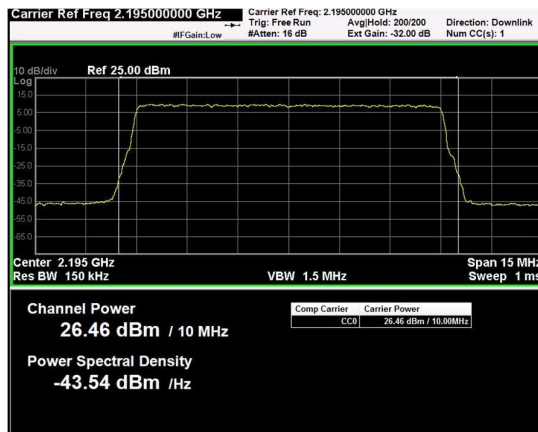
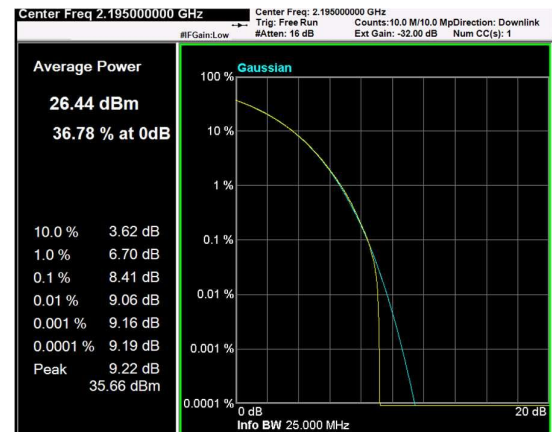


Channel: TOP, Modulation: 256QAM, BW=5MHz, Channel Power



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)	2185	26.8	0.476	9.1
Down-link	LTE 10MHz (QPSK)	2190	26.8	0.480	9.1
Down-link	LTE 10MHz (QPSK)	2195	26.5	0.443	9.2
Down-link	LTE 10MHz (16QAM)	2185	26.8	0.479	9.1
Down-link	LTE 10MHz (16QAM)	2190	26.8	0.479	9.2
Down-link	LTE 10MHz (16QAM)	2195	26.4	0.441	9.2
Down-link	LTE 10MHz (64QAM)	2185	26.7	0.471	9.3
Down-link	LTE 10MHz (64QAM)	2190	26.7	0.467	9.3
Down-link	LTE 10MHz (64QAM)	2195	26.3	0.427	9.4
Down-link	LTE 10MHz (256QAM)	2185	26.8	0.480	9.1
Down-link	LTE 10MHz (256QAM)	2190	26.8	0.478	9.1
Down-link	LTE 10MHz (256QAM)	2195	26.5	0.442	9.2


Channel: BOTTOM, Modulation: QPSK,
BW=10MHz, Channel Power

Channel: BOTTOM, Modulation: QPSK,
BW=10MHz, CCDF

Channel: MIDDLE, Modulation: QPSK,
BW=10MHz, Channel Power

Channel: MIDDLE, Modulation: QPSK,
BW=10MHz, CCDF

Channel: TOP, Modulation: QPSK,
BW=10MHz, Channel Power

Channel: TOP, Modulation: QPSK,
BW=10MHz, CCDF