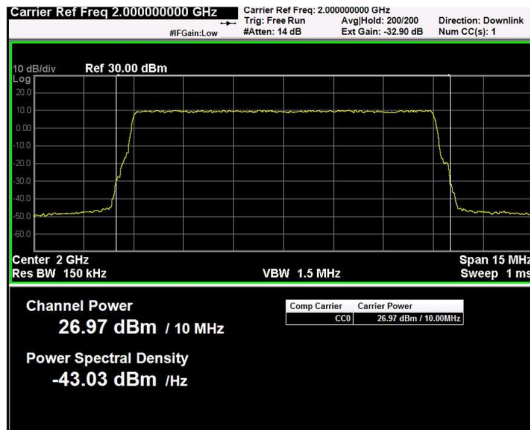
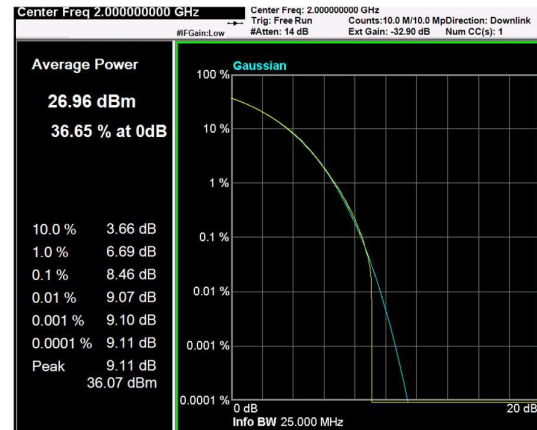
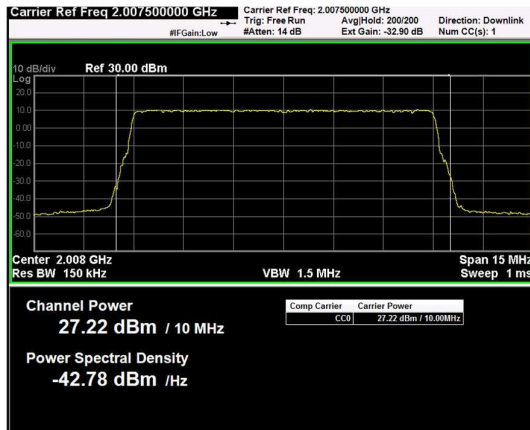
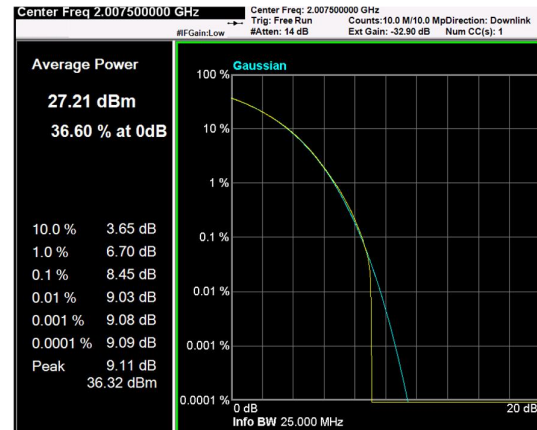
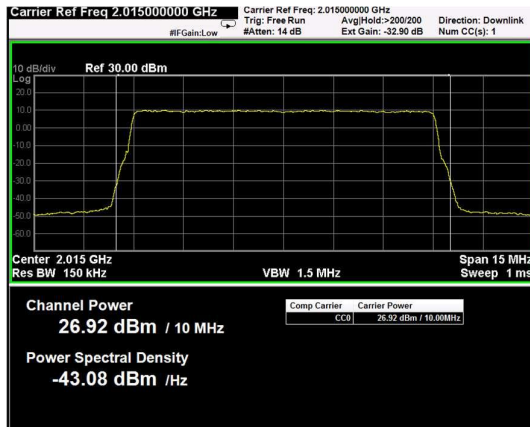
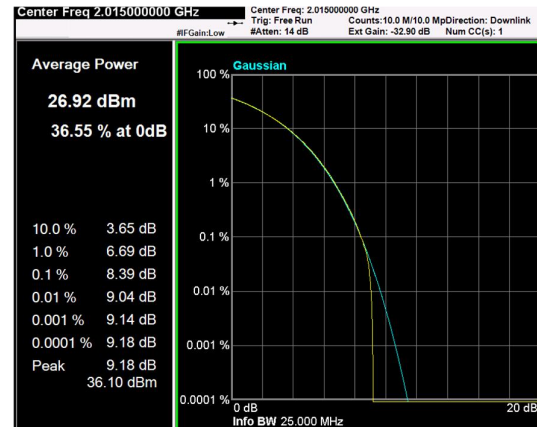
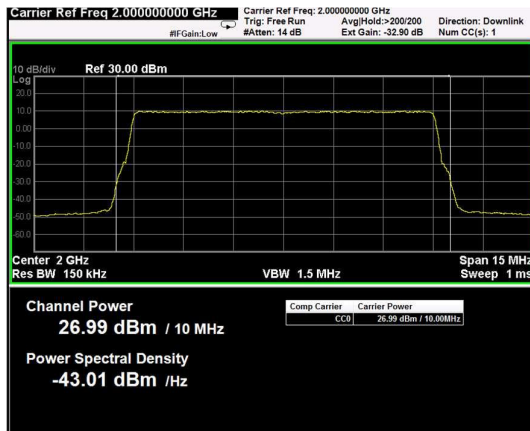
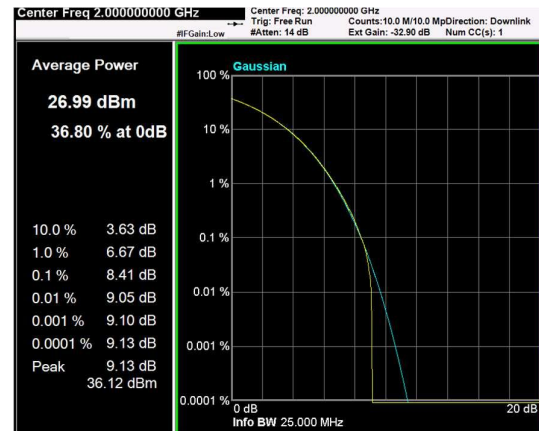


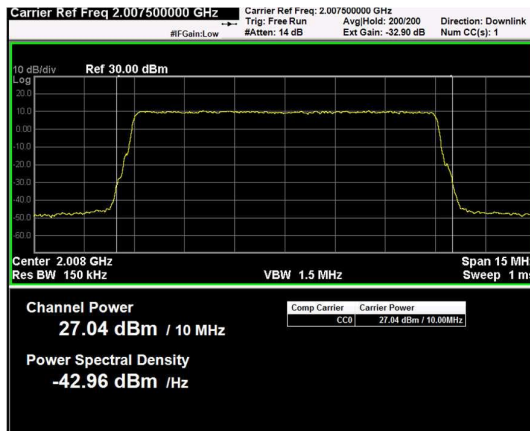

Channel: BOTTOM, Modulation: QPSK,
BW=10MHz, Channel Power

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



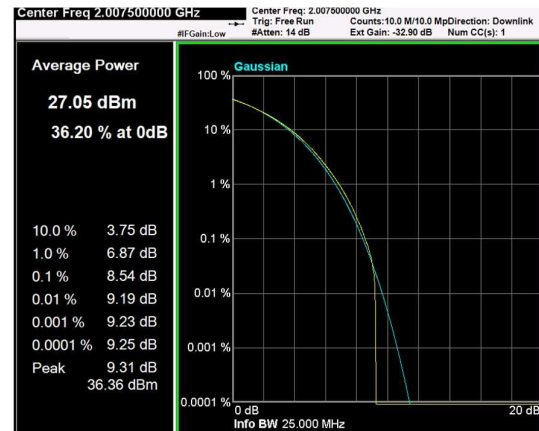
Channel: BOTTOM, Modulation: 16QAM, BW=10MHz, Channel Power



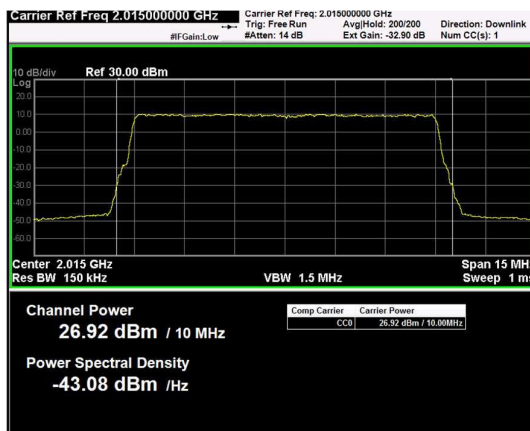
Channel: BOTTOM, Modulation: 16QAM, BW=10MHz, CCDF



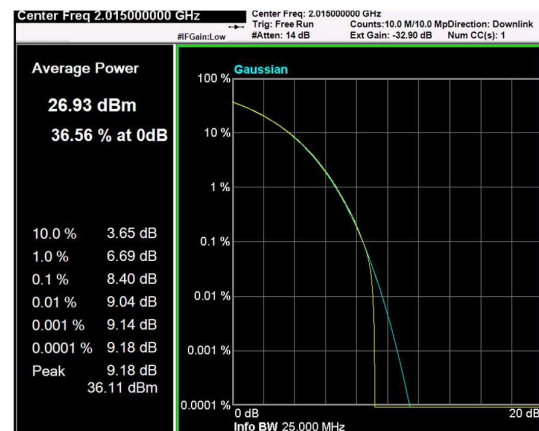
Channel: MIDDLE, Modulation: 16QAM, BW=10MHz, Channel Power



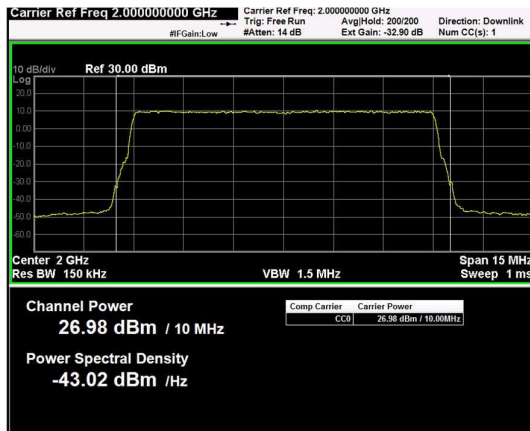
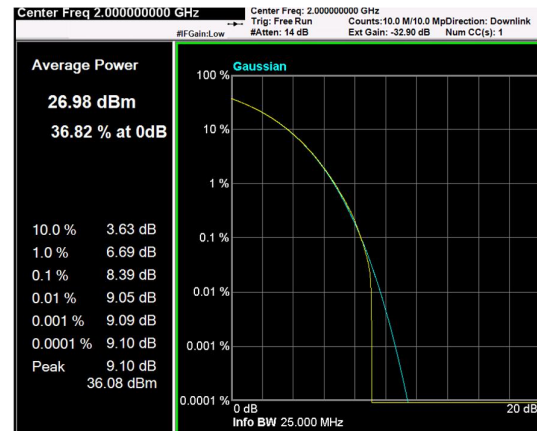
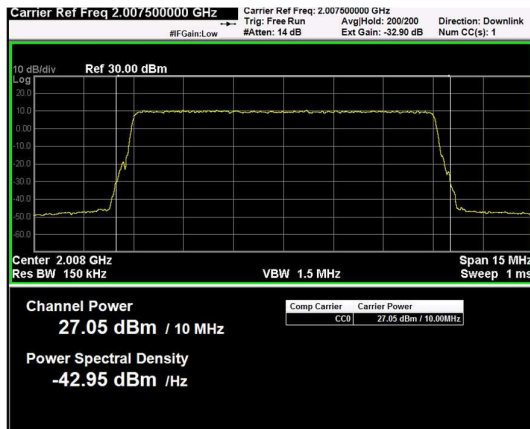
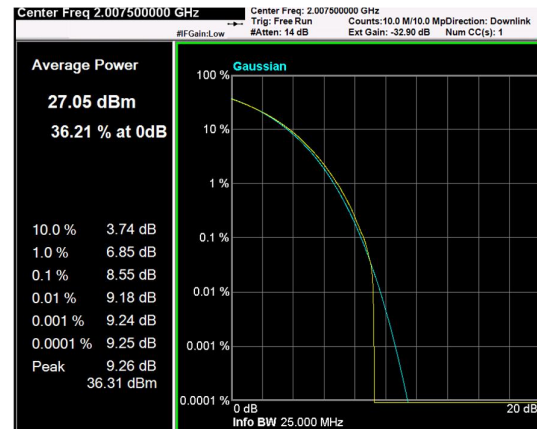
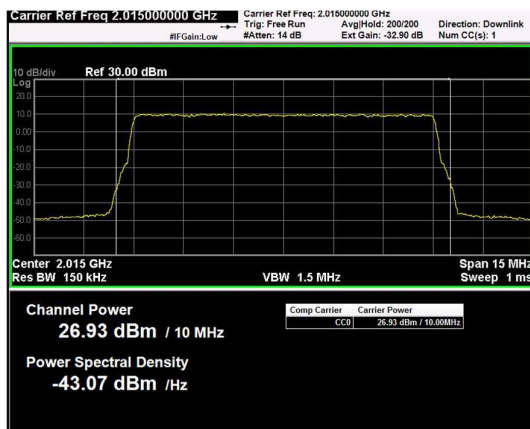
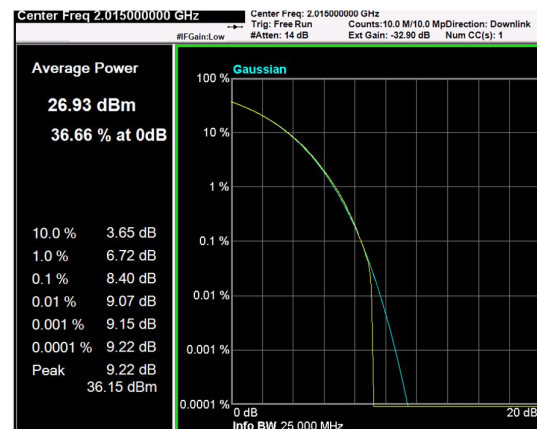
Channel: MIDDLE, Modulation: 16QAM, BW=10MHz, CCDF

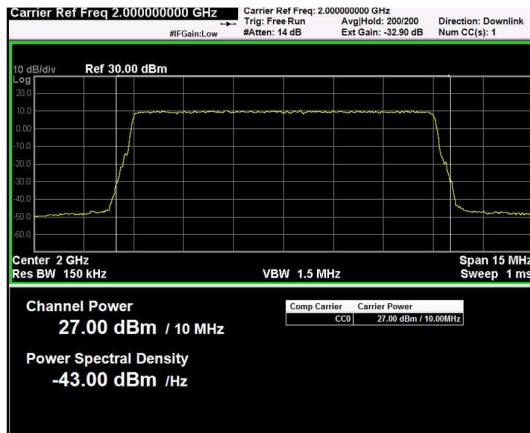
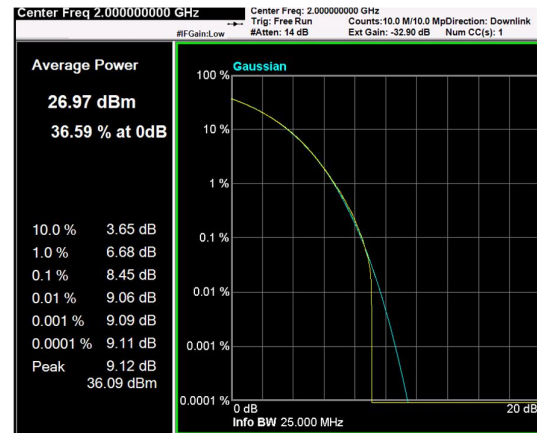
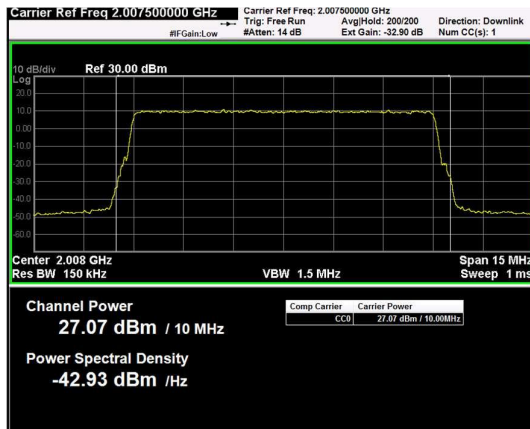
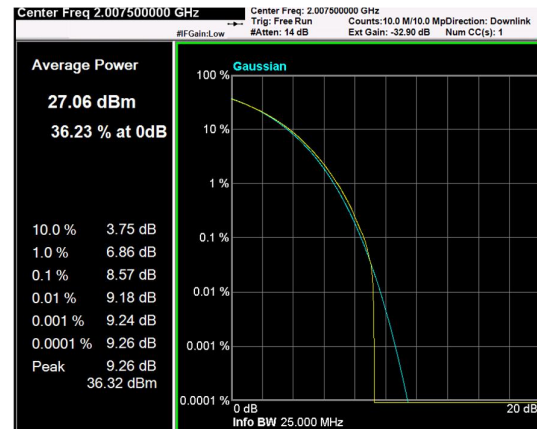
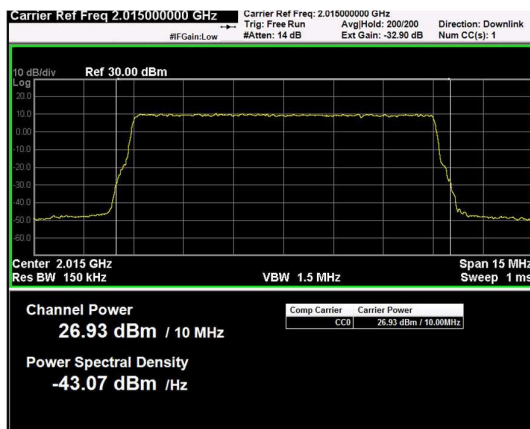
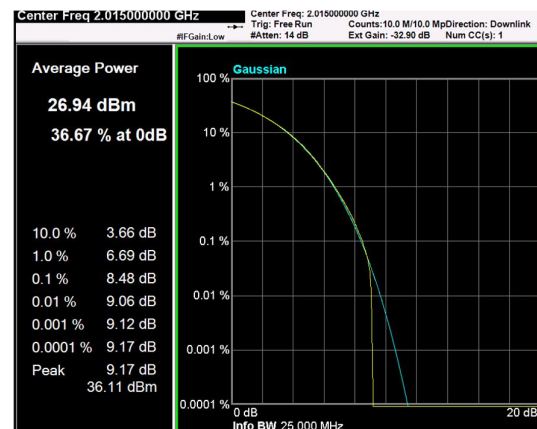


Channel: TOP, Modulation: 16QAM, BW=10MHz, Channel Power

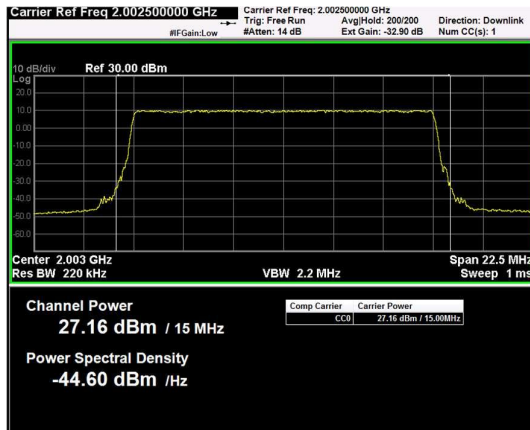
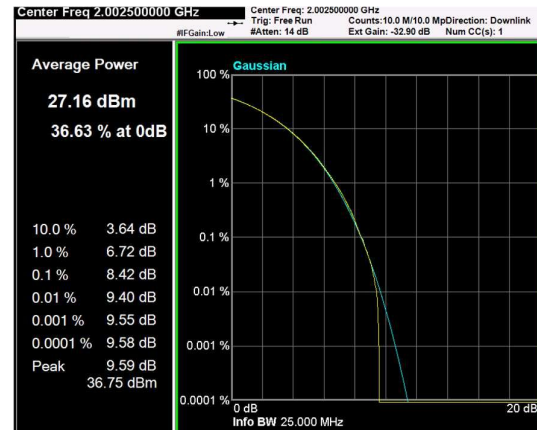
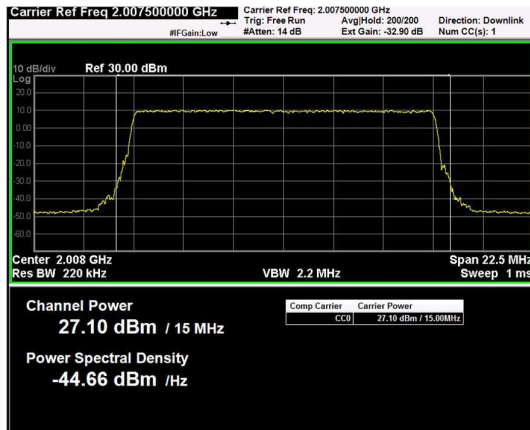
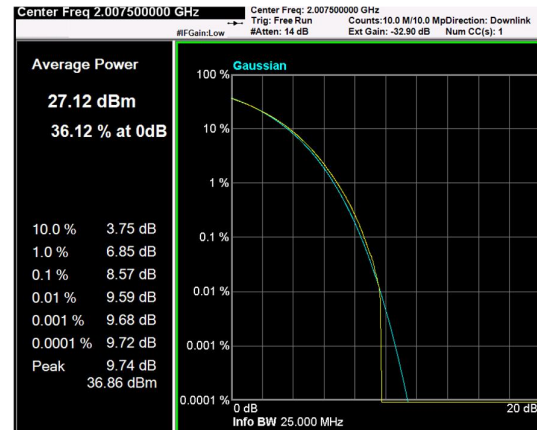
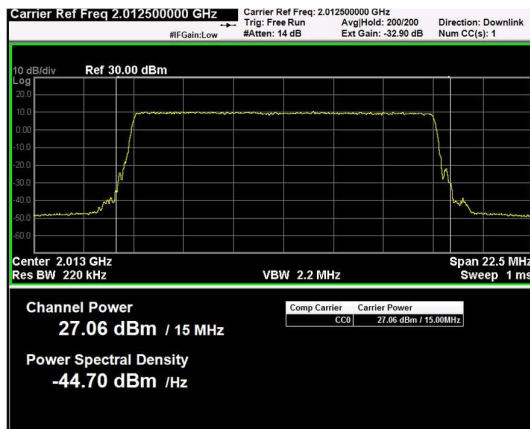
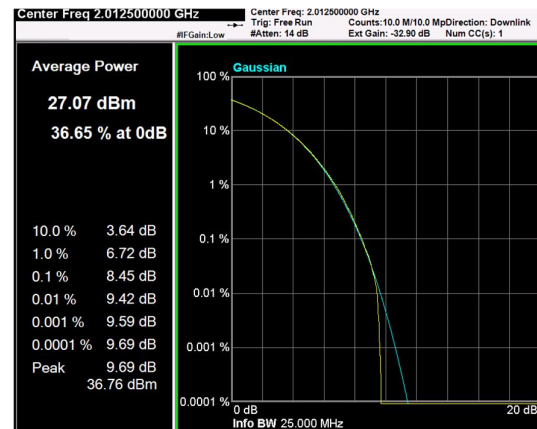


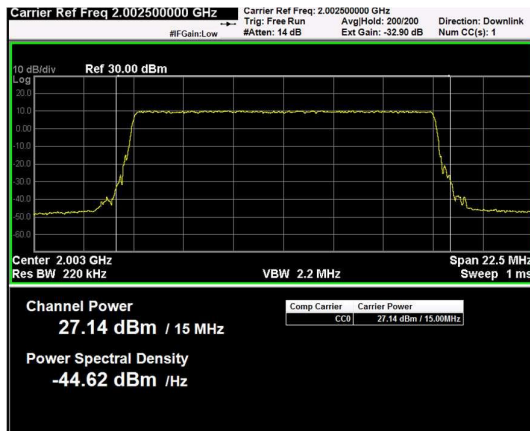
Channel: TOP, Modulation: 16QAM, BW=10MHz, CCDF


Channel: BOTTOM, Modulation: 64QAM,
BW=10MHz, Channel Power

Channel: BOTTOM, Modulation: 64QAM,
BW=10MHz, CCDF

Channel: MIDDLE, Modulation: 64QAM,
BW=10MHz, Channel Power

Channel: MIDDLE, Modulation: 64QAM,
BW=10MHz, CCDF

Channel: TOP, Modulation: 64QAM,
BW=10MHz, Channel Power

Channel: TOP, Modulation: 64QAM,
BW=10MHz, CCDF

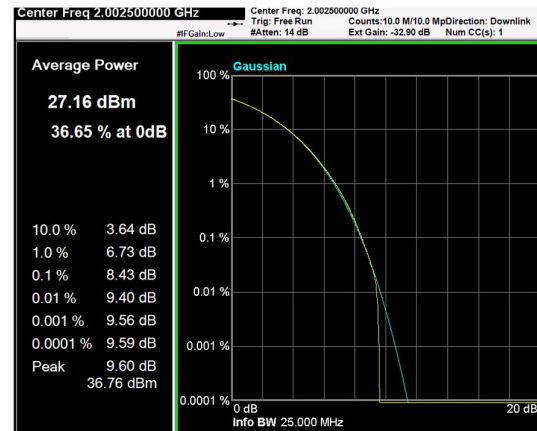

Channel: BOTTOM, Modulation: 256QAM,
BW=10MHz, Channel Power

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)	2002.5	27.2	0.520	9.6
Down-link	LTE 15MHz (QPSK)	2007.5	27.1	0.513	9.7
Down-link	LTE 15MHz (QPSK)	2012.5	27.1	0.508	9.7
Down-link	LTE 15MHz (16QAM)	2002.5	27.1	0.518	9.6
Down-link	LTE 15MHz (16QAM)	2007.5	27.1	0.513	9.8
Down-link	LTE 15MHz (16QAM)	2012.5	27.0	0.506	9.7
Down-link	LTE 15MHz (64QAM)	2002.5	27.2	0.520	9.6
Down-link	LTE 15MHz (64QAM)	2007.5	27.1	0.518	9.8
Down-link	LTE 15MHz (64QAM)	2012.5	27.1	0.512	9.7
Down-link	LTE 15MHz (256QAM)	2002.5	27.2	0.520	9.6
Down-link	LTE 15MHz (256QAM)	2007.5	27.1	0.516	9.8
Down-link	LTE 15MHz (256QAM)	2012.5	27.1	0.508	9.7

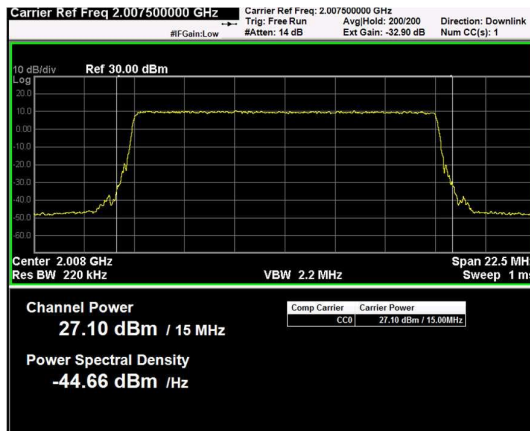

Channel: BOTTOM, Modulation: QPSK,
 BW=15MHz, Channel Power

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



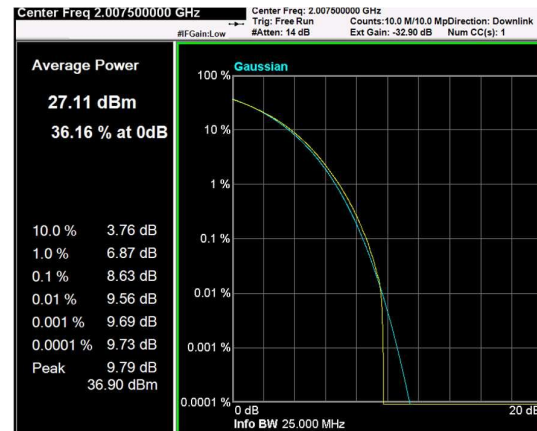
Channel: BOTTOM, Modulation: 16QAM, BW=15MHz, Channel Power



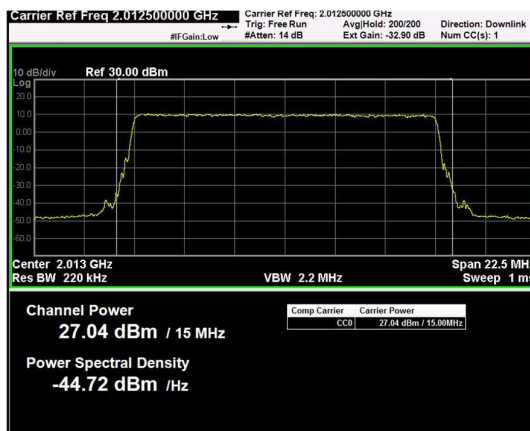
Channel: BOTTOM, Modulation: 16QAM, BW=15MHz, CCDF



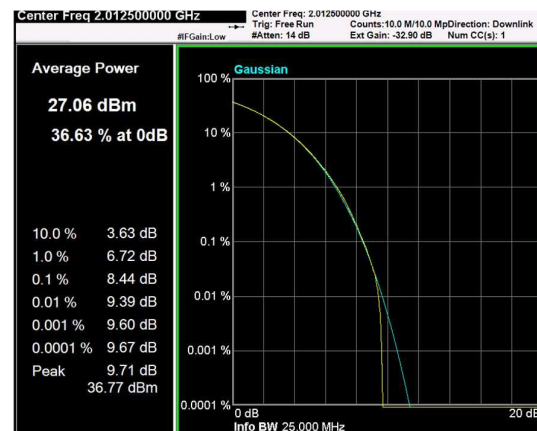
Channel: MIDDLE, Modulation: 16QAM, BW=15MHz, Channel Power



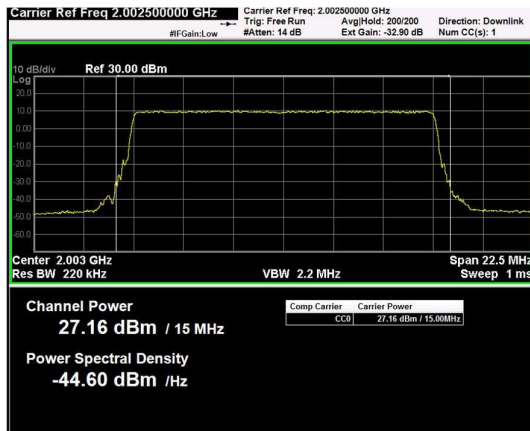
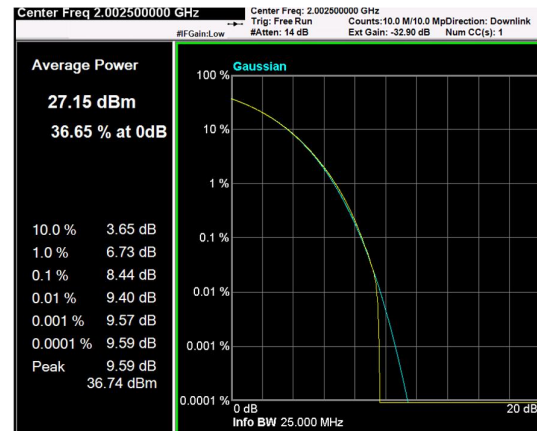
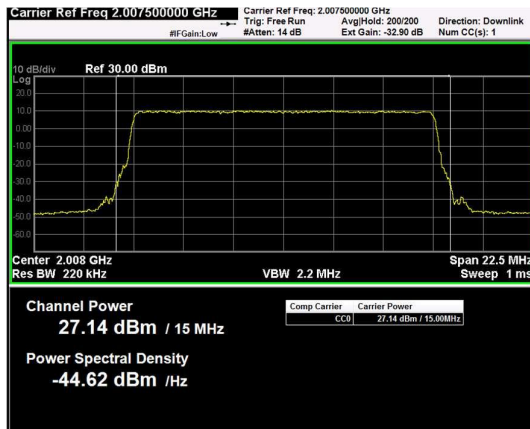
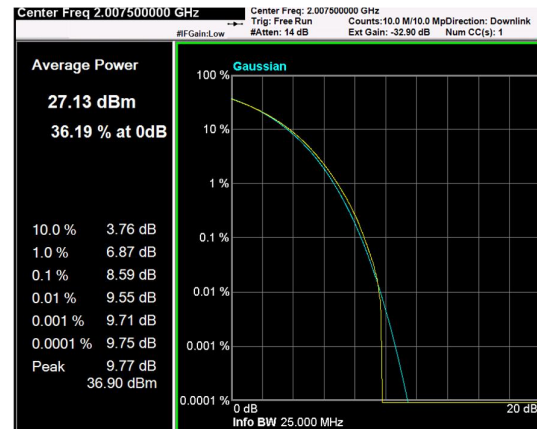
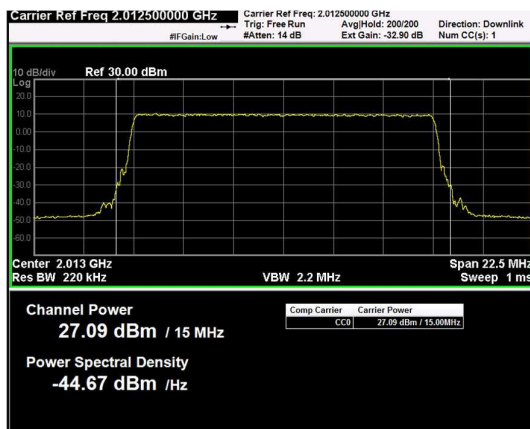
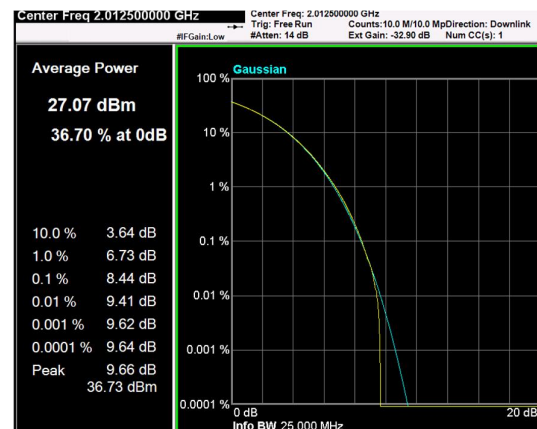
Channel: MIDDLE, Modulation: 16QAM, BW=15MHz, CCDF

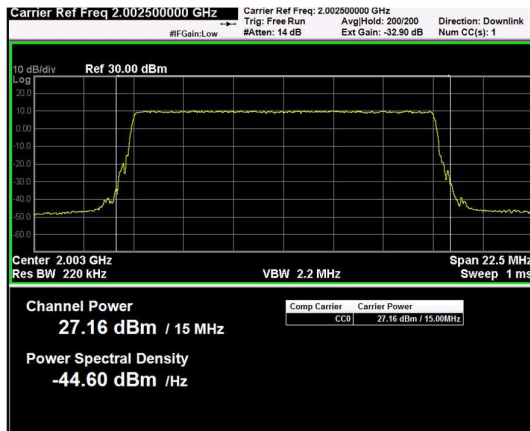


Channel: TOP, Modulation: 16QAM, BW=15MHz, Channel Power

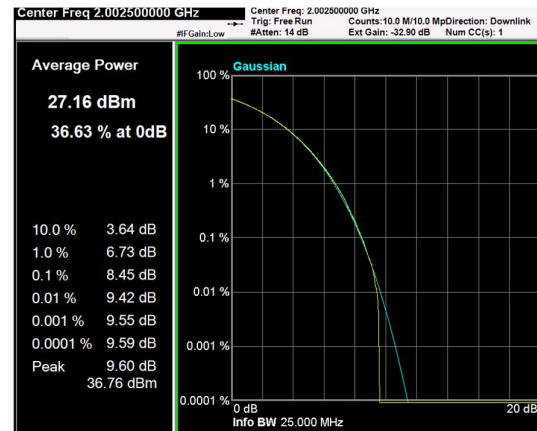


Channel: TOP, Modulation: 16QAM, BW=15MHz, CCDF

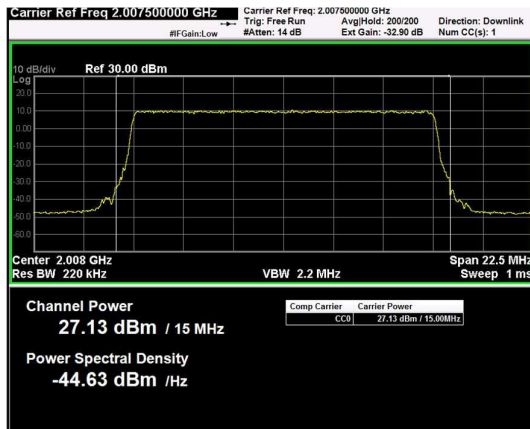

Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Channel Power

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



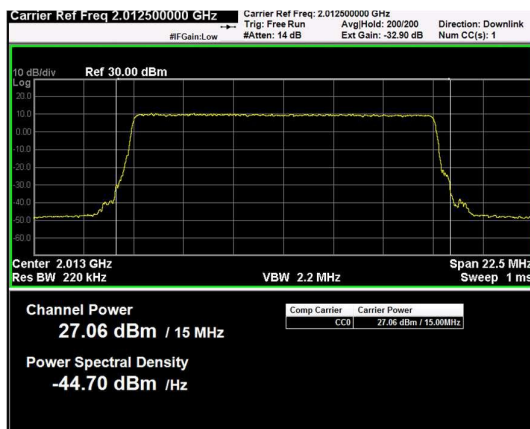
Channel: BOTTOM, Modulation: 256QAM, BW=15MHz, CCDF



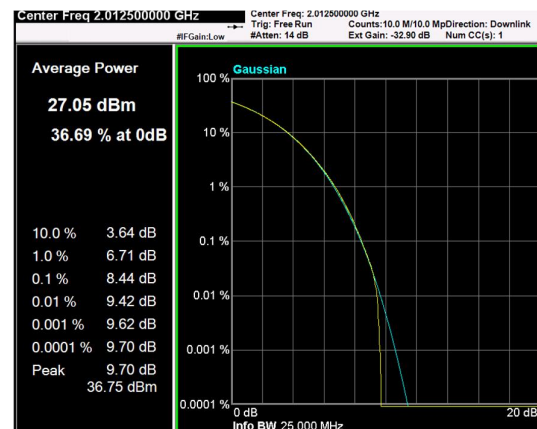
Channel: MIDDLE, Modulation: 256QAM, BW=15MHz, Channel Power



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

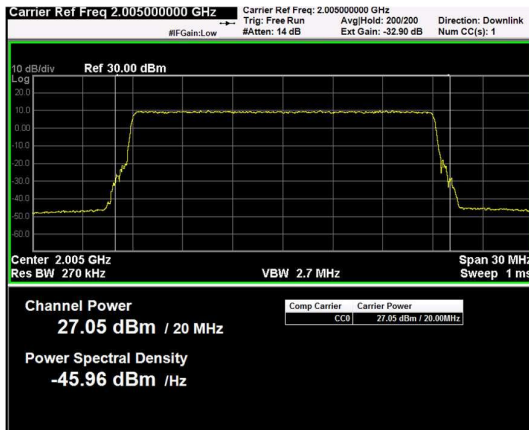


Channel: TOP, Modulation: 256QAM, BW=15MHz, Channel Power

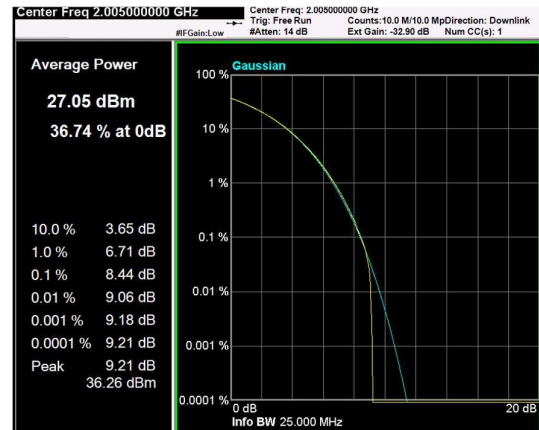


Channel: TOP, Modulation: 256QAM, BW=15MHz, CCDF

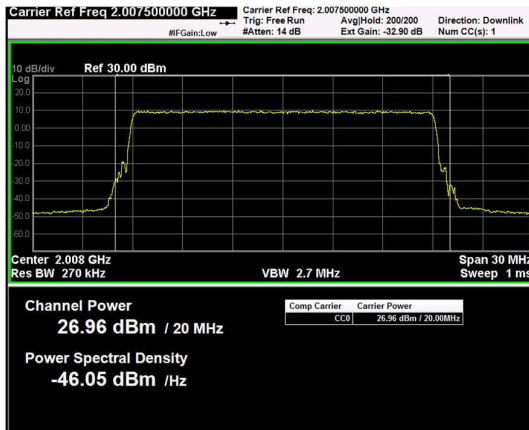
Test data					
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	PAR (dB)
Down-link	LTE 20MHz (QPSK)	2005	27.1	0.507	9.2
Down-link	LTE 20MHz (QPSK)	2007.5	27.0	0.497	9.3
Down-link	LTE 20MHz (QPSK)	2010	26.9	0.490	9.4
Down-link	LTE 20MHz (16QAM)	2005	27.1	0.507	9.3
Down-link	LTE 20MHz (16QAM)	2007.5	27.1	0.513	9.4
Down-link	LTE 20MHz (16QAM)	2010	26.9	0.489	9.2
Down-link	LTE 20MHz (64QAM)	2005	27.0	0.506	9.3
Down-link	LTE 20MHz (64QAM)	2007.5	27.0	0.499	9.3
Down-link	LTE 20MHz (64QAM)	2010	26.9	0.486	9.3
Down-link	LTE 20MHz (256QAM)	2005	27.1	0.507	9.2
Down-link	LTE 20MHz (256QAM)	2007.5	27.0	0.501	9.3
Down-link	LTE 20MHz (256QAM)	2010	26.9	0.485	9.3



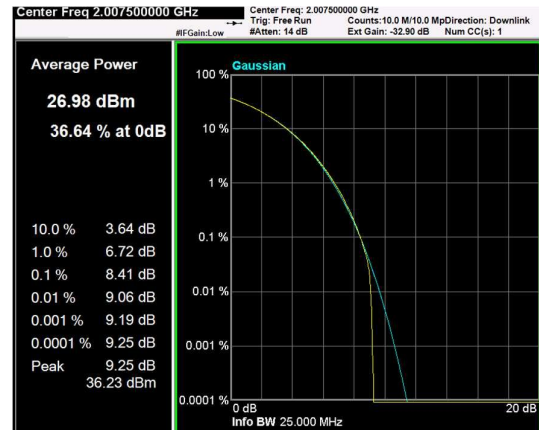
Channel: BOTTOM, Modulation: QPSK, BW=20MHz, Channel Power



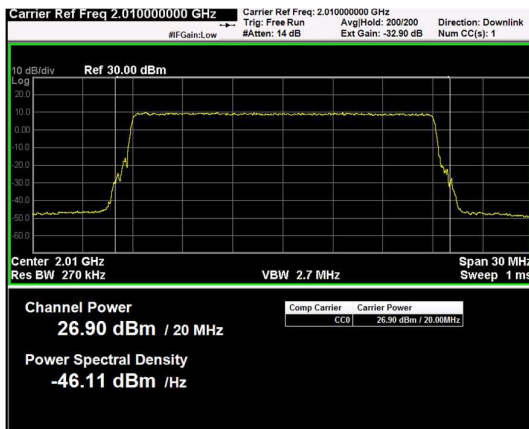
Channel: BOTTOM, Modulation: QPSK, BW=20MHz, CCDF



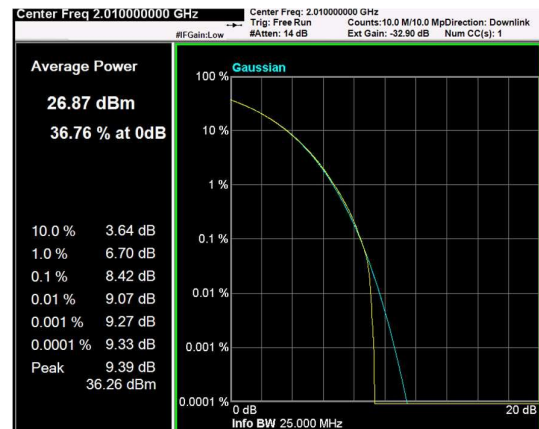
Channel: MIDDLE, Modulation: QPSK, BW=20MHz, Channel Power



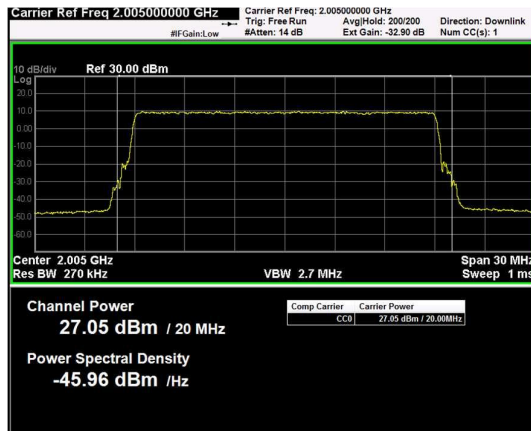
Channel: MIDDLE, Modulation: QPSK, BW=20MHz, CCDF



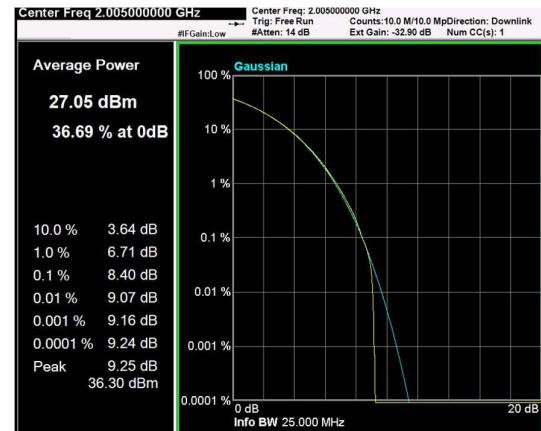
Channel: TOP, Modulation: QPSK, BW=20MHz, Channel Power



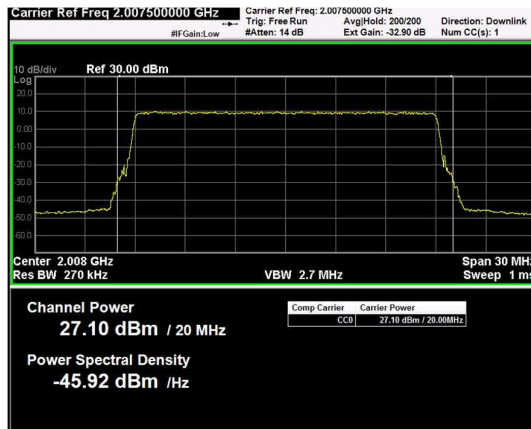
Channel: TOP, Modulation: QPSK, BW=20MHz, CCDF



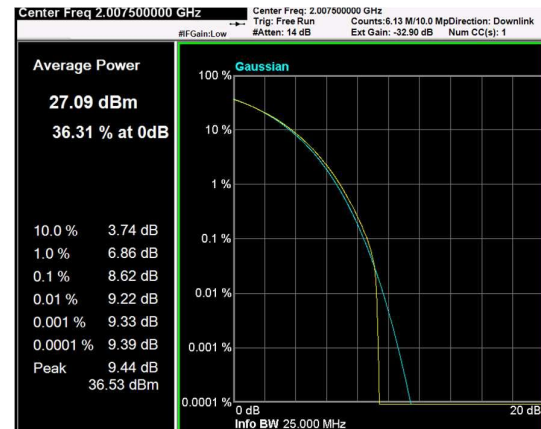
Channel: BOTTOM, Modulation: 16QAM, BW=20MHz, Channel Power



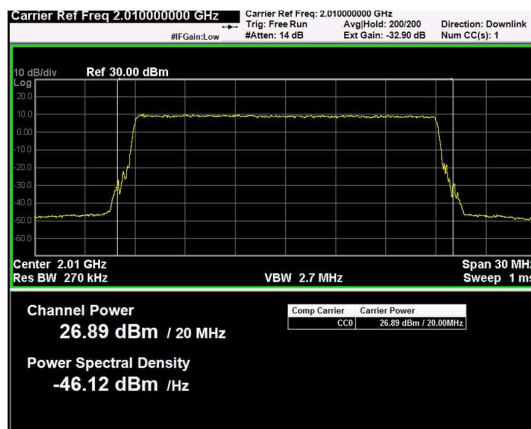
Channel: BOTTOM, Modulation: 16QAM, BW=20MHz, CCDF



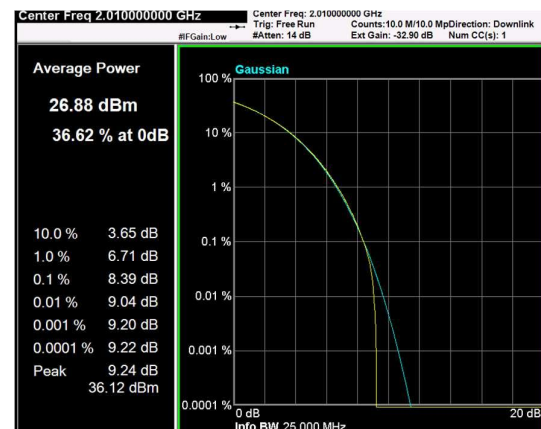
Channel: MIDDLE, Modulation: 16QAM, BW=20MHz, Channel Power



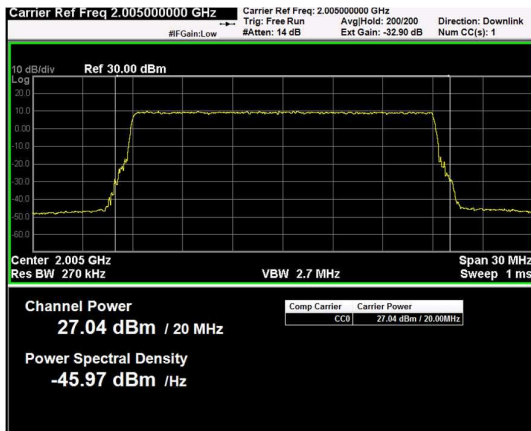
Channel: MIDDLE, Modulation: 16QAM, BW=20MHz, CCDF

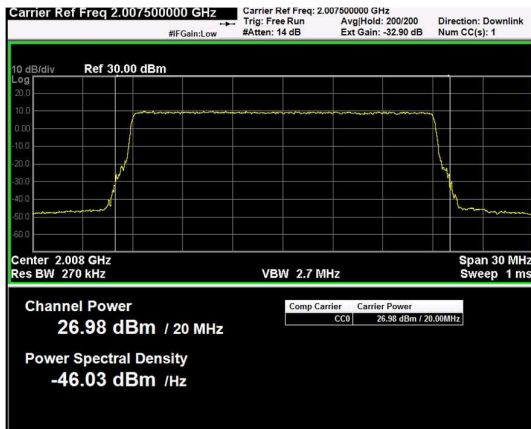
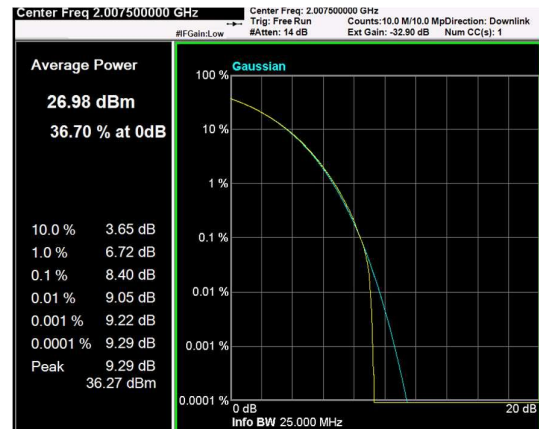
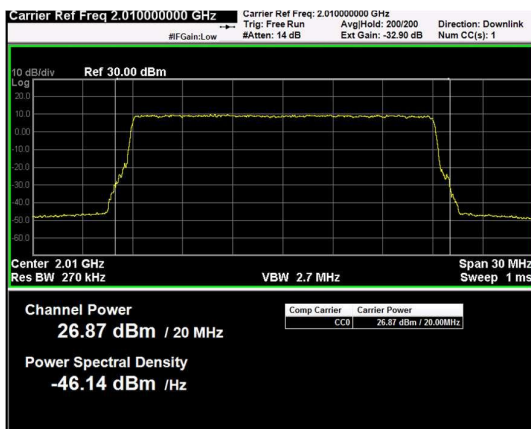
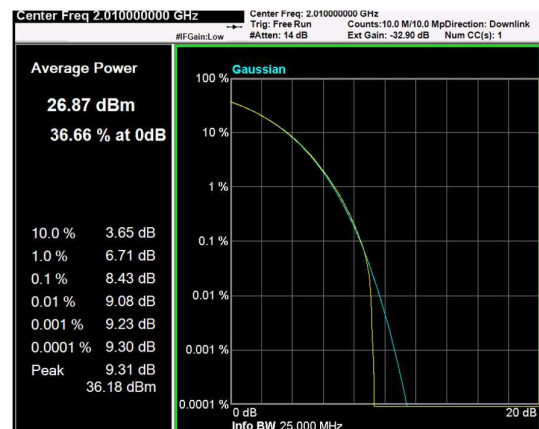


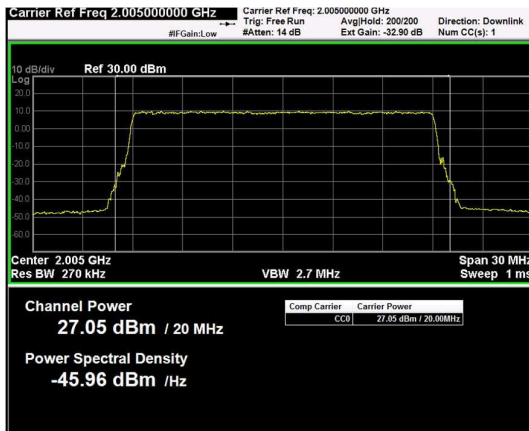
Channel: TOP, Modulation: 16QAM, BW=20MHz, Channel Power



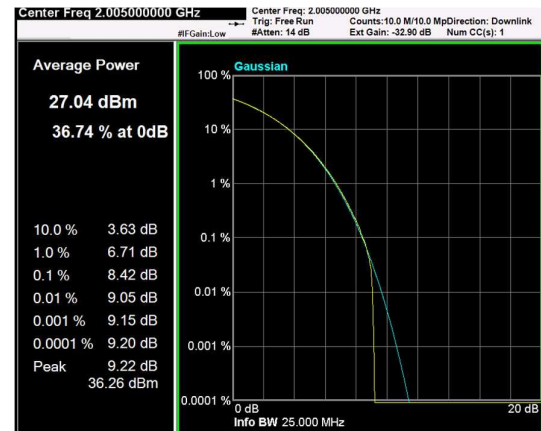
Channel: TOP, Modulation: 16QAM, BW=20MHz, CCDF


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

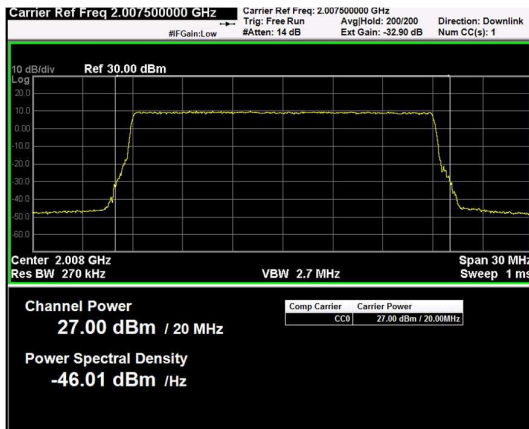
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, CCDF

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



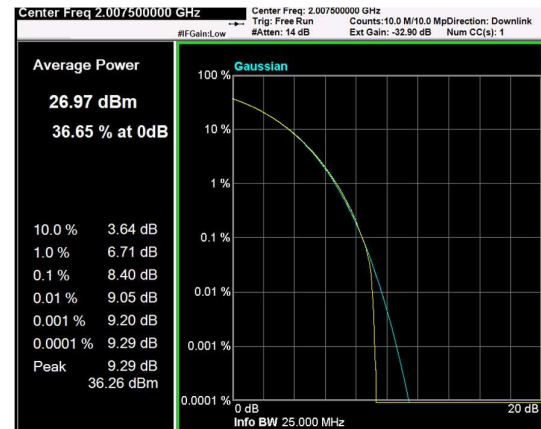
Channel: BOTTOM, Modulation: 256QAM, BW=20MHz, Channel Power



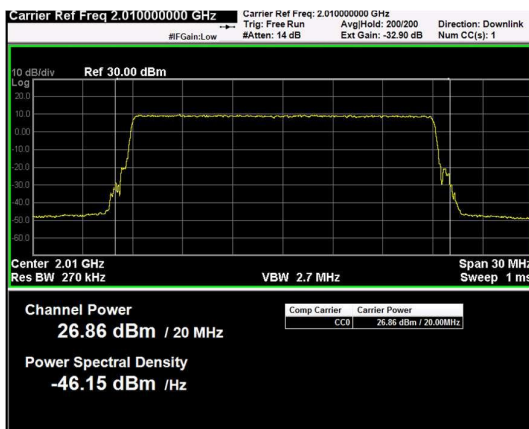
Channel: BOTTOM, Modulation: 256QAM, BW=20MHz, CCDF



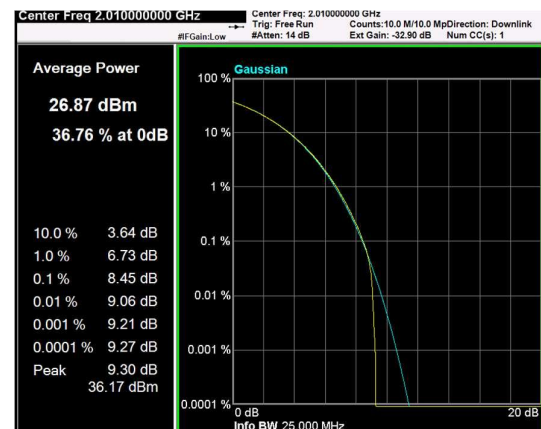
Channel: MIDDLE, Modulation: 256QAM, BW=20MHz, Channel Power



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.