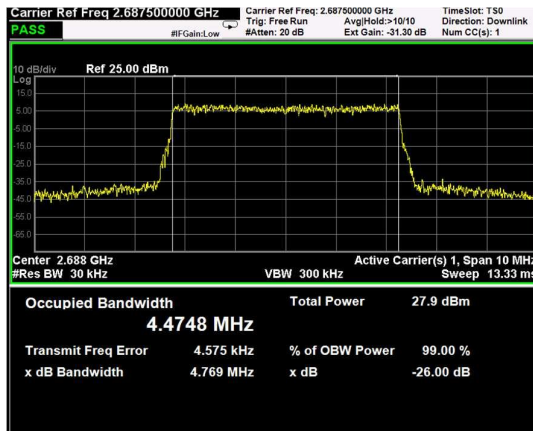
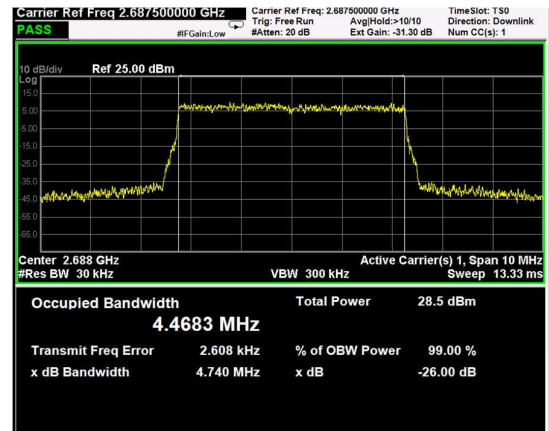
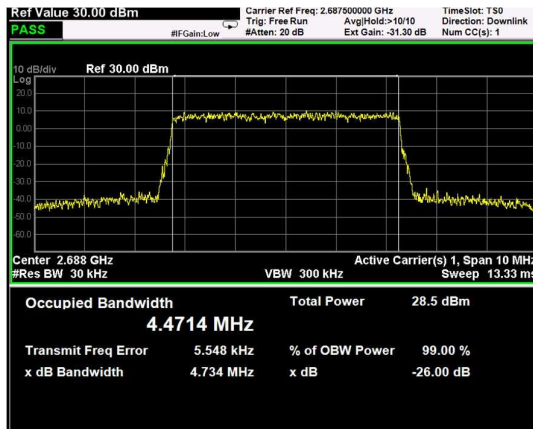




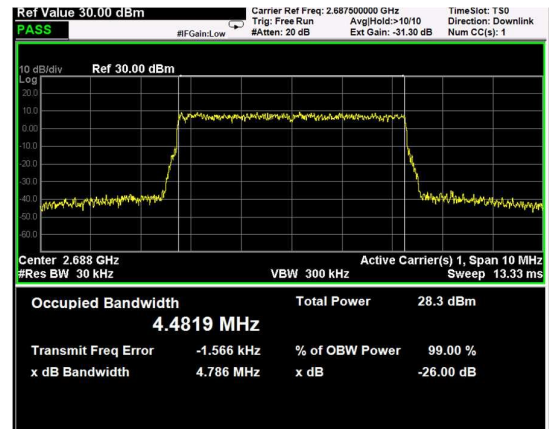
Channel: TOP, Modulation: QPSK,
BW=5MHz



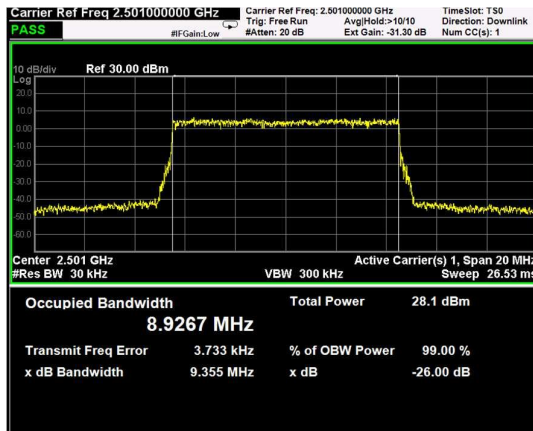
Channel: TOP, Modulation: 16QAM,
BW=5MHz



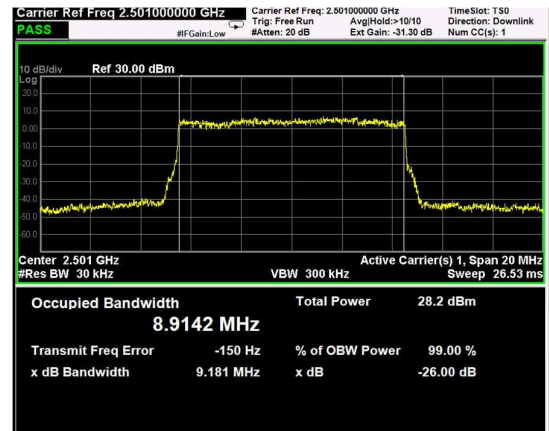
Channel: TOP, Modulation: 64QAM,
BW=5MHz



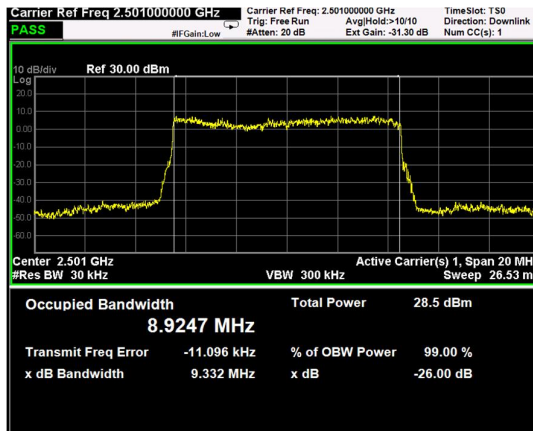
Channel: TOP, Modulation: 256QAM,
BW=5MHz



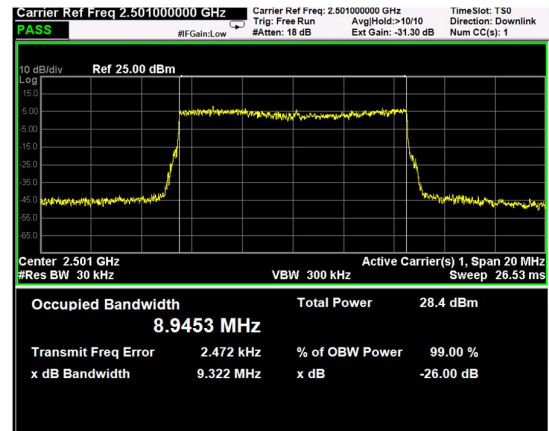
Channel: BOTTOM, Modulation: QPSK,
BW=10MHz



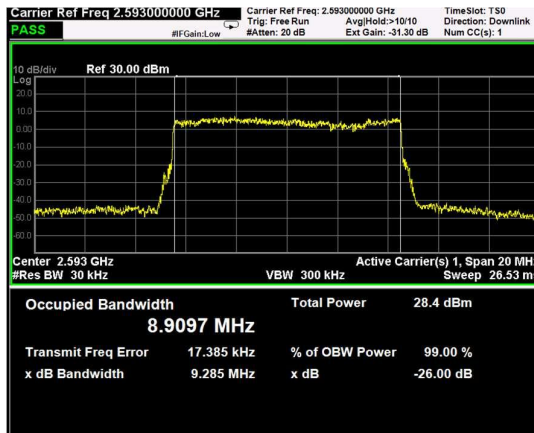
Channel: BOTTOM, Modulation: 16QAM,
BW=10MHz



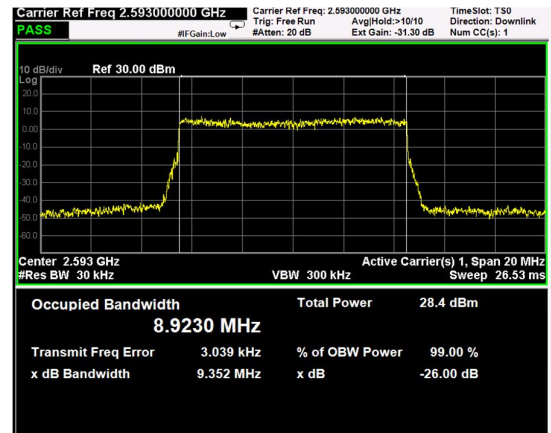
Channel: BOTTOM, Modulation: 64QAM,
BW=10MHz



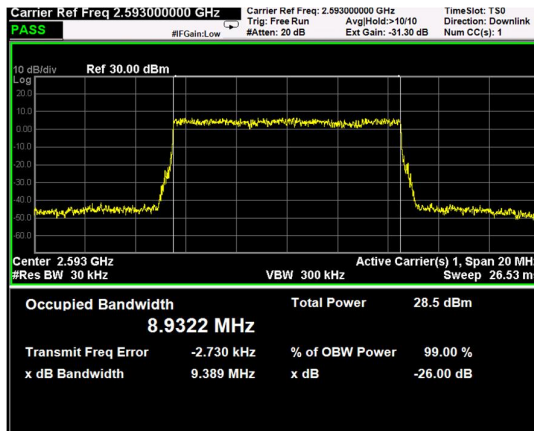
Channel: BOTTOM, Modulation: 256QAM,
BW=10MHz



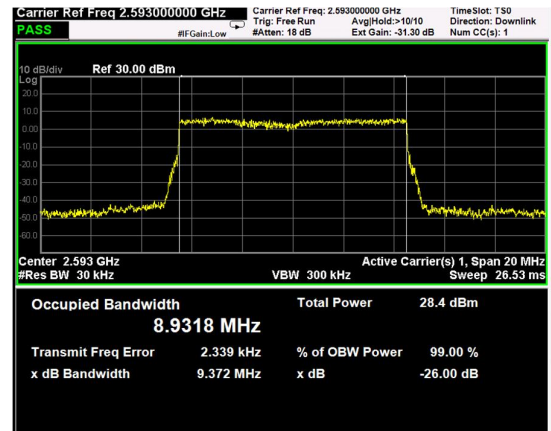
Channel: MIDDLE, Modulation: QPSK,
 BW=10MHz



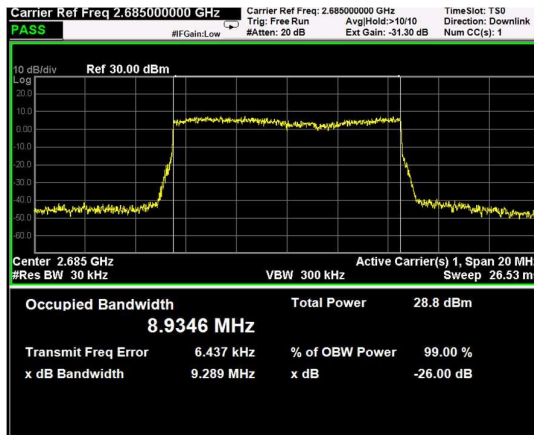
Channel: MIDDLE, Modulation: 16QAM,
 BW=10MHz



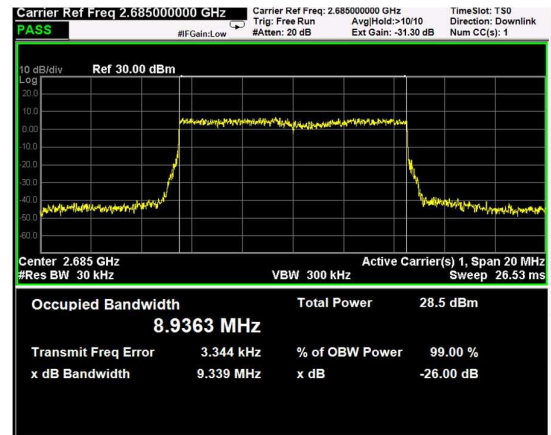
Channel: MIDDLE, Modulation: 64QAM,
 BW=10MHz



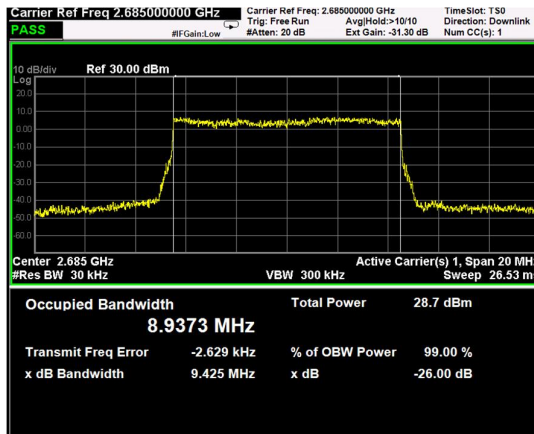
Channel: MIDDLE, Modulation: 256QAM,
 BW=10MHz



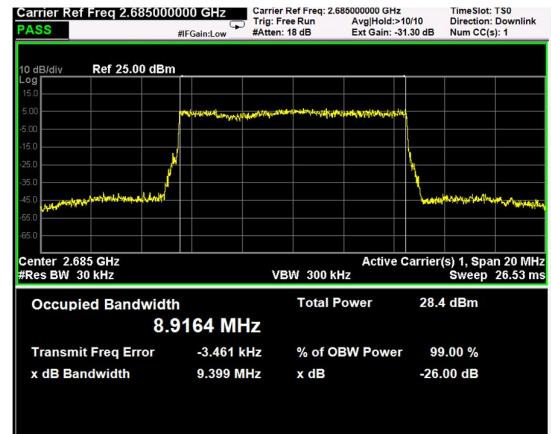
Channel: TOP, Modulation: QPSK,
BW=10MHz



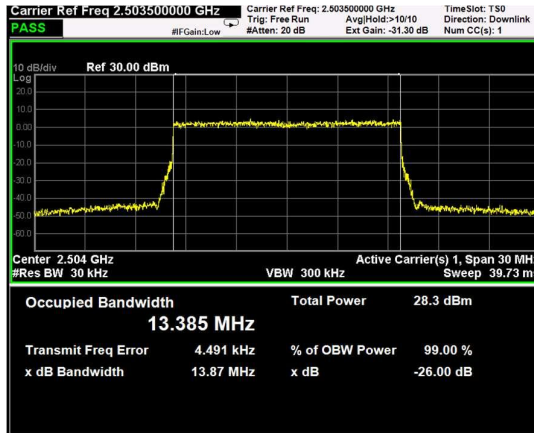
Channel: TOP, Modulation: 16QAM,
BW=10MHz



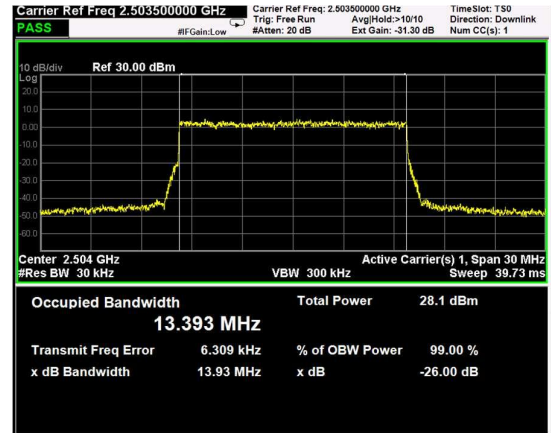
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BW=10MHz



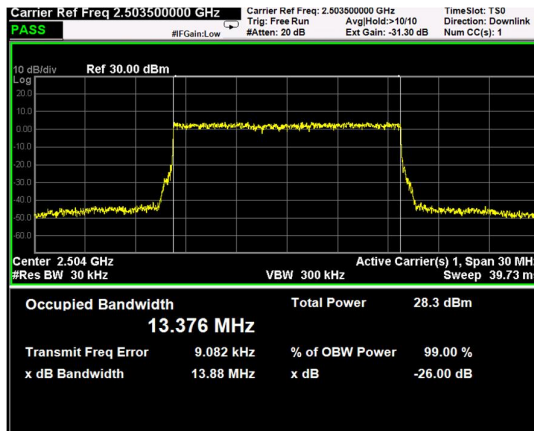
Channel: TOP, Modulation: 256QAM,
BW=10MHz



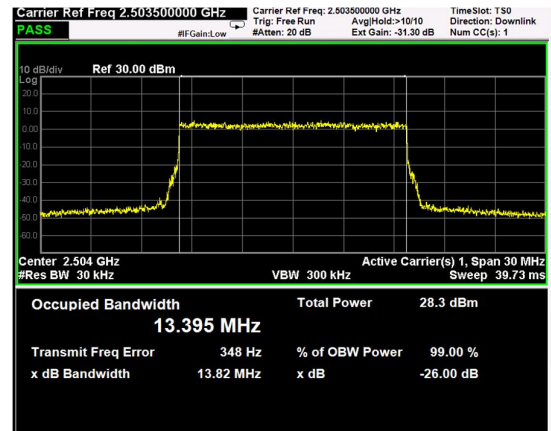
Channel: BOTTOM, Modulation: QPSK,
BW=15MHz



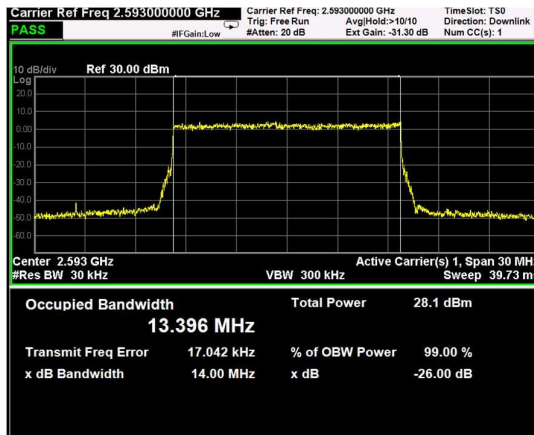
Channel: BOTTOM, Modulation: 16QAM,
BW=15MHz



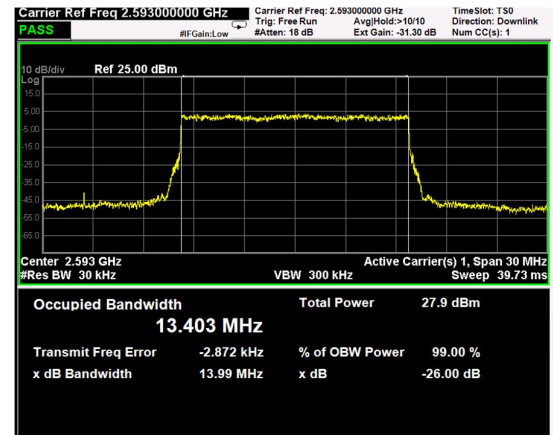
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz



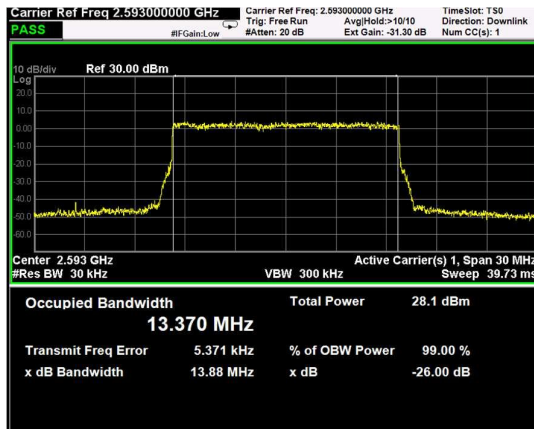
Channel: BOTTOM, Modulation: 256QAM,
BW=15MHz



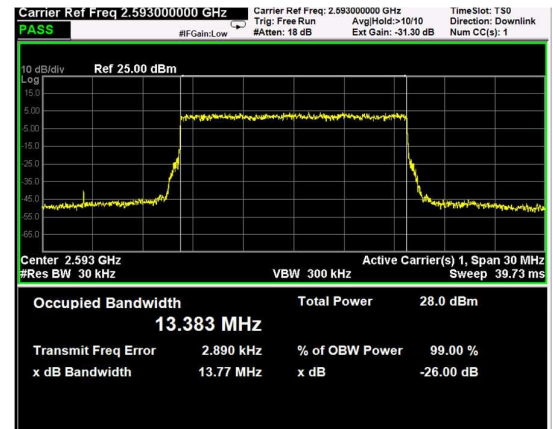
Channel: MIDDLE, Modulation: QPSK,
BW=15MHz



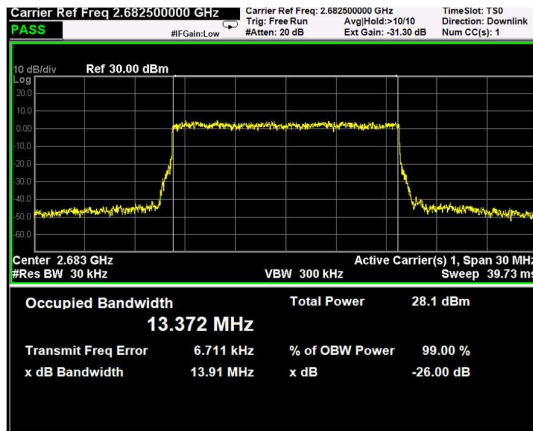
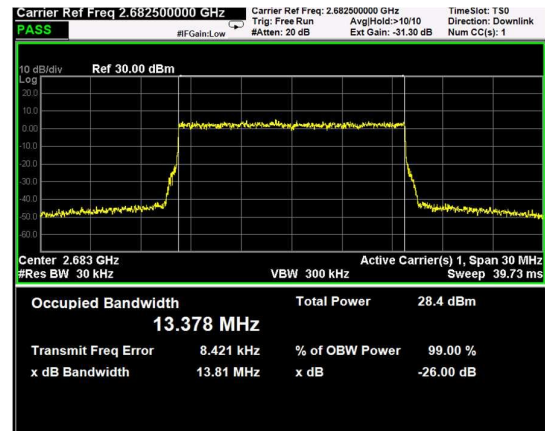
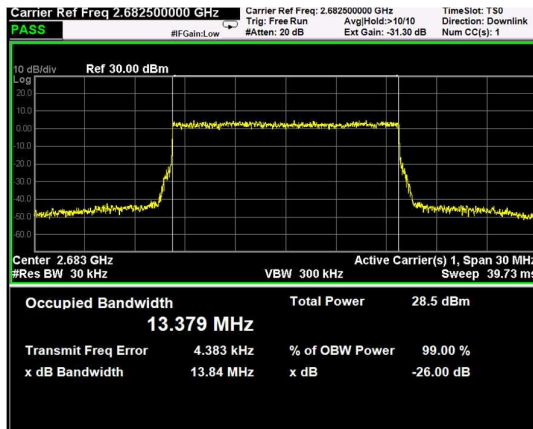
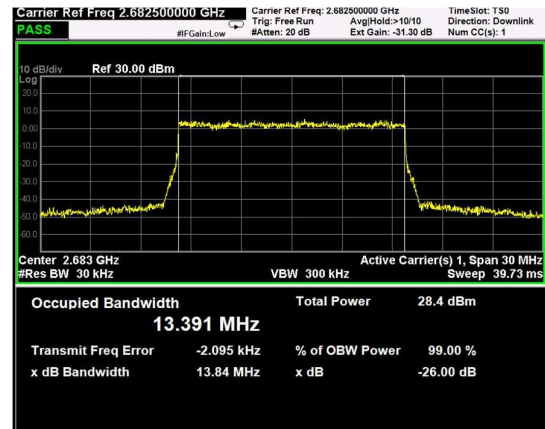
Channel: MIDDLE, Modulation: 16QAM,
BW=15MHz

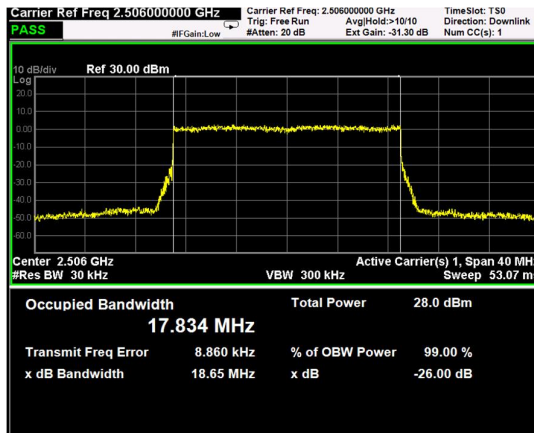


Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz

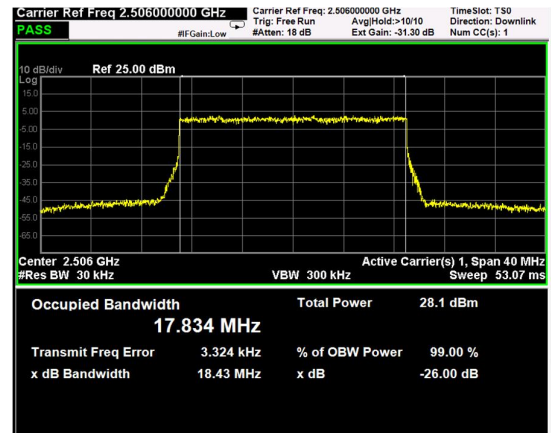


Channel: MIDDLE, Modulation: 256QAM,
BW=15MHz

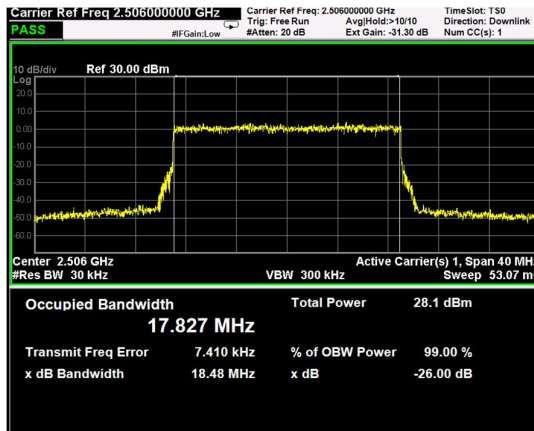

Channel: TOP, Modulation: QPSK,
BW=15MHz

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

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

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



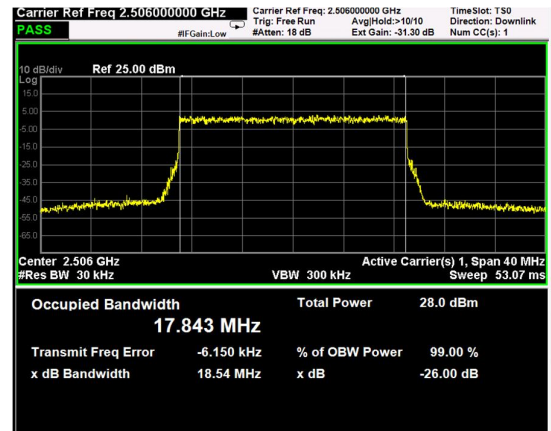
Channel: BOTTOM, Modulation: QPSK,
BW=20MHz



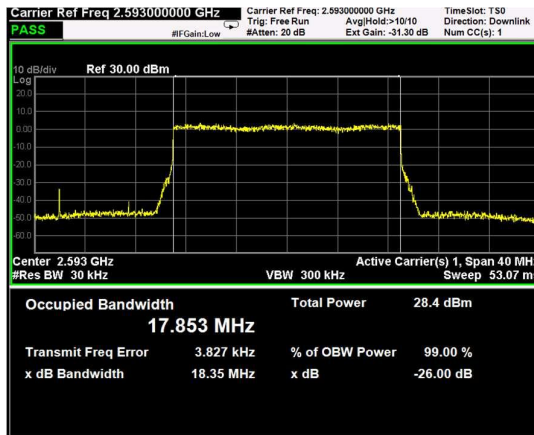
Channel: BOTTOM, Modulation: 16QAM,
BW=20MHz



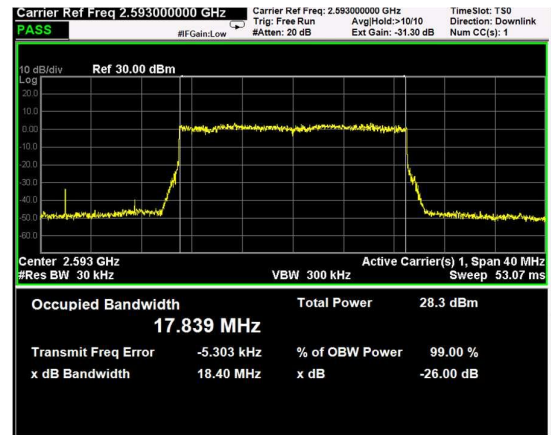
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz



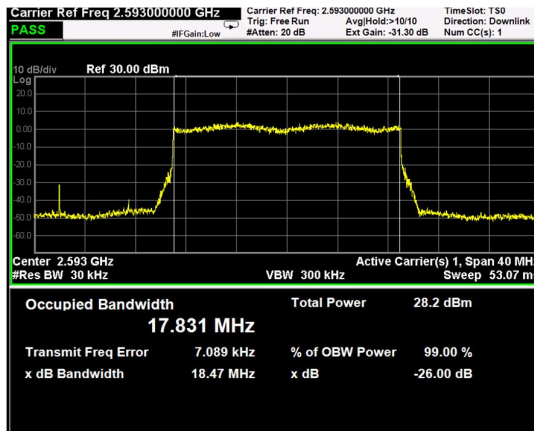
Channel: BOTTOM, Modulation: 256QAM,
BW=20MHz



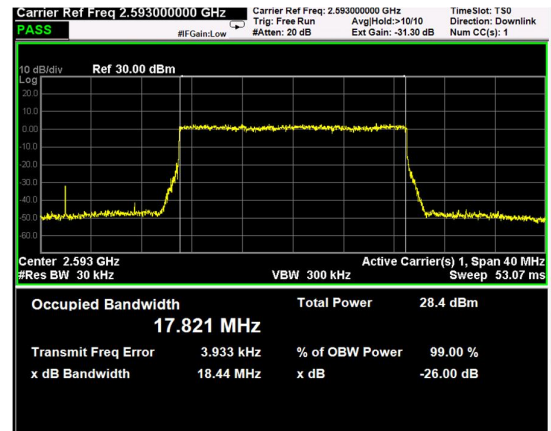
Channel: MIDDLE, Modulation: QPSK,
BW=20MHz



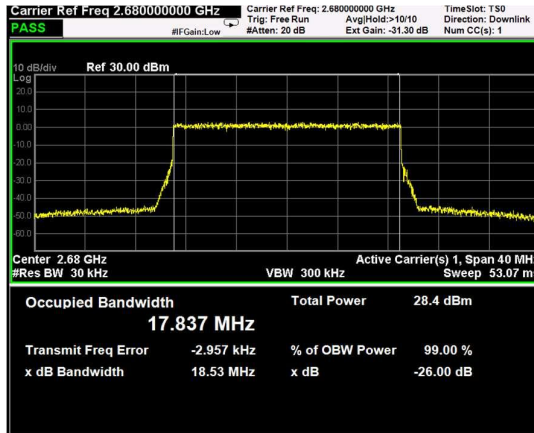
Channel: MIDDLE, Modulation: 16QAM,
BW=20MHz



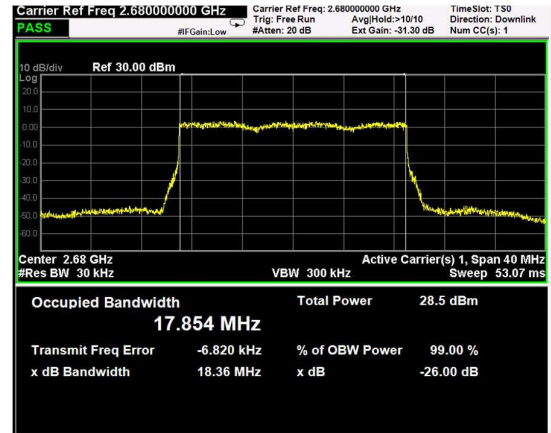
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz



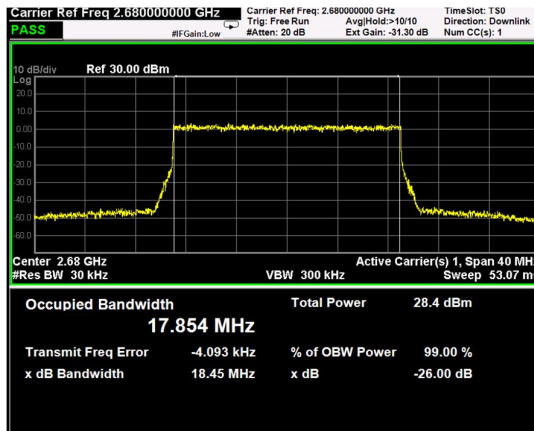
Channel: MIDDLE, Modulation: 256QAM,
BW=20MHz



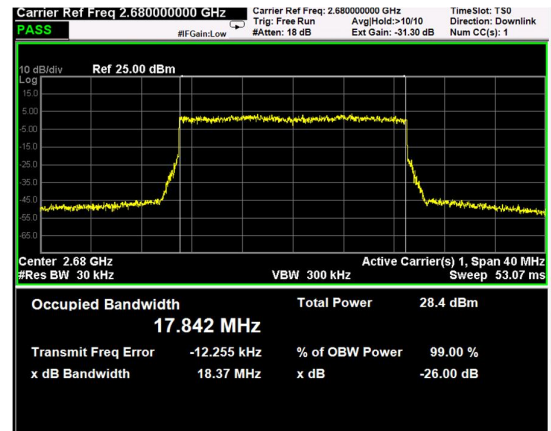
Channel: TOP, Modulation: QPSK,
 BW=20MHz



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



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



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

Clause 27.50(h) Peak output power at RF antenna connector

§ 27.50(h) The following power limits shall apply in the BRS and EBS:

- (1) Main, booster and base stations.
 - (i) The maximum EIRP of a main, booster or base station shall not exceed $33 \text{ dBW} + 10\log(X/Y) \text{ dBW}$, where X is the actual channel width in MHz and Y is either 6 MHz if prior to transition or the station is in the MBS following transition or 5.5 MHz if the station is in the LBS and UBS following transition, except as provided in paragraph (h)(1)(ii) of this section.
 - (ii) If a main or booster station sectorizes or otherwise uses one or more transmitting antennas with a non-omnidirectional horizontal plane radiation pattern, the maximum EIRP in dBW in a given direction shall be determined by the following formula: $\text{EIRP} = 33 \text{ dBW} + 10 \log(X/Y) \text{ dBW} + 10 \log(360/\text{beamwidth}) \text{ dBW}$, where X is the actual channel width in MHz, Y is either (i) 6 MHz if prior to transition or the station is in the MBS following transition or (ii) 5.5 MHz if the station is in the LBS and UBS following transition, and beamwidth is the total horizontal plane beamwidth of the individual transmitting antenna for the station or any sector measured at the half-power points.

Test date: 10/21/2019 to 12/13/2019

Test results: Pass

Special notes

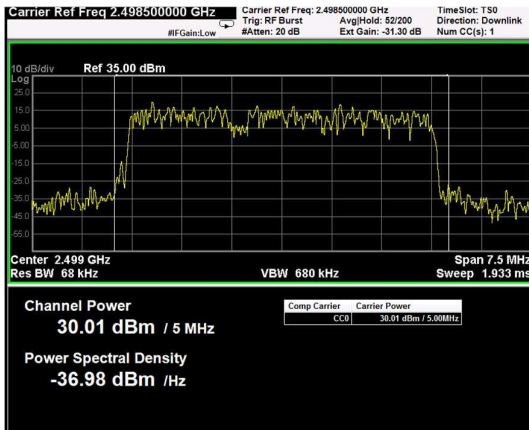
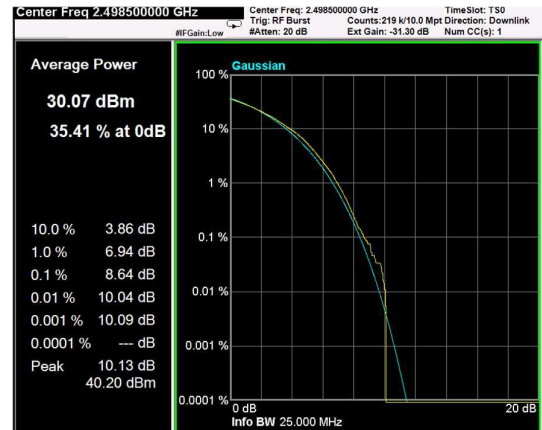
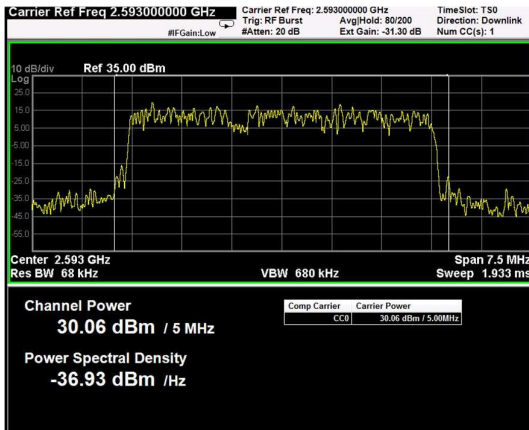
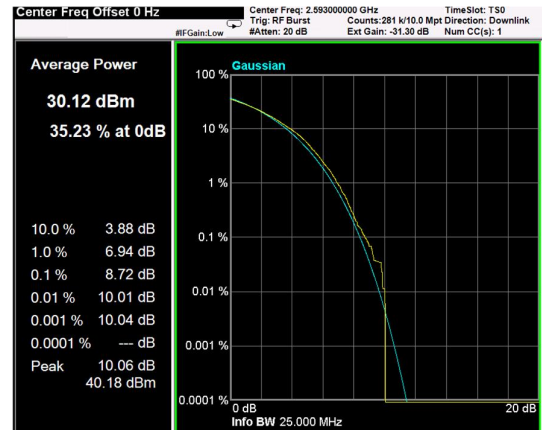
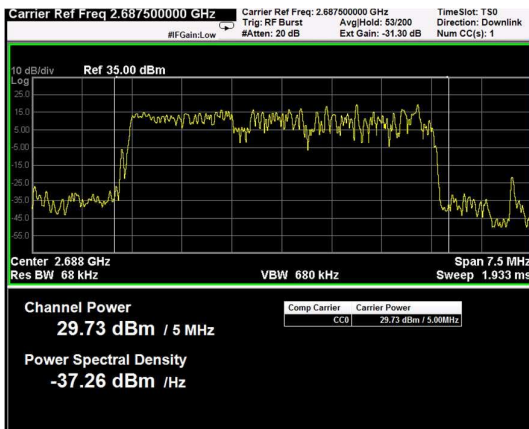
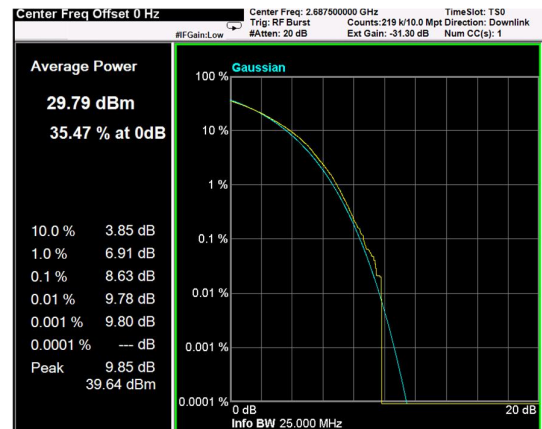
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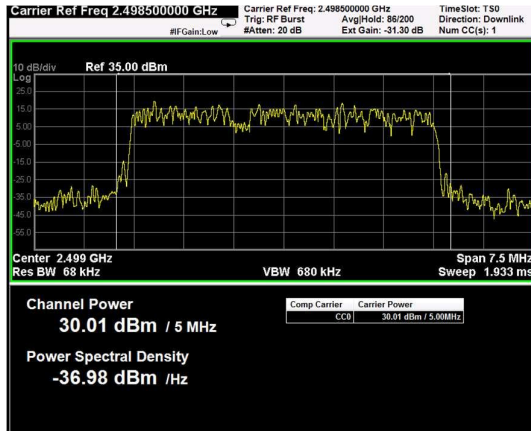
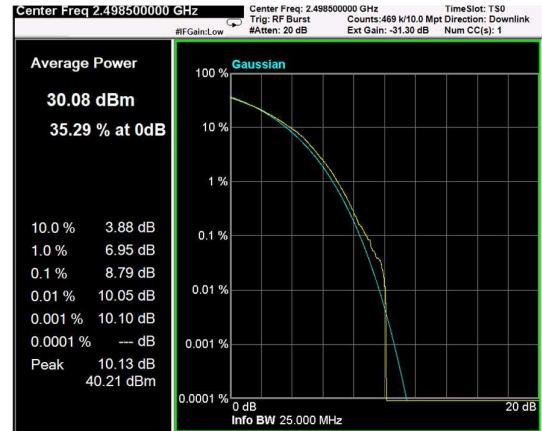
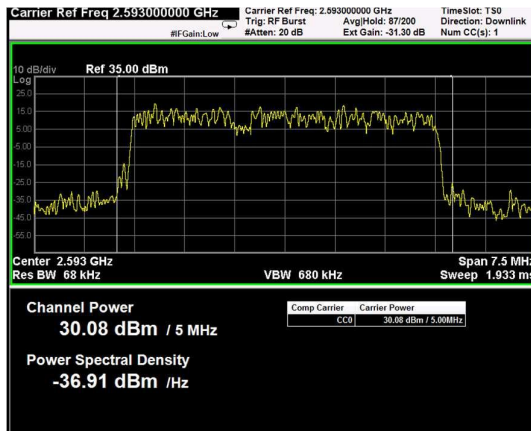
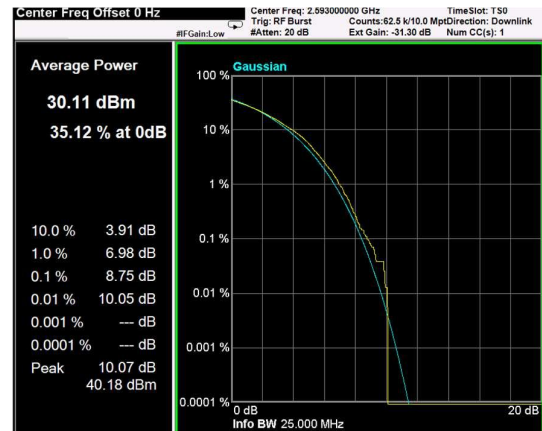
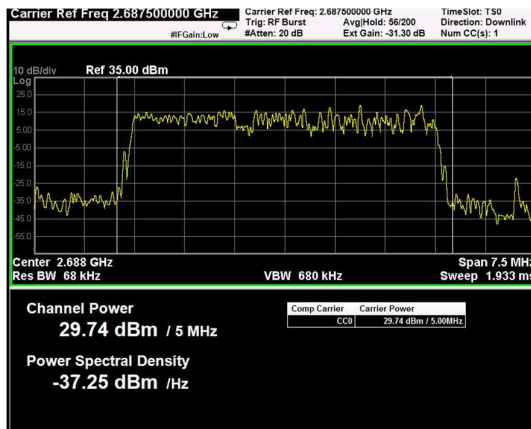
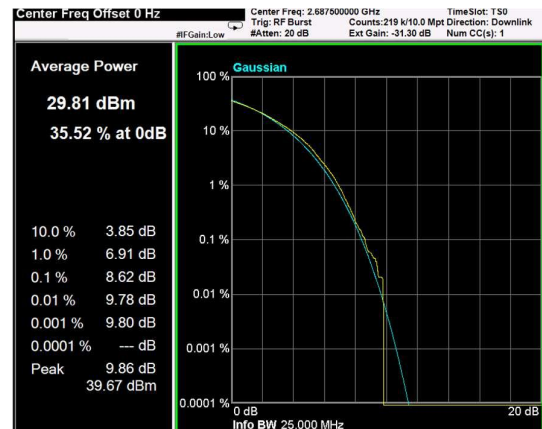
Clause 27.50(h) Peak output power at RF antenna connector

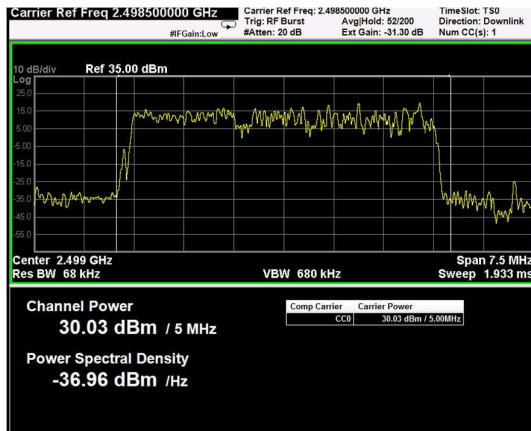
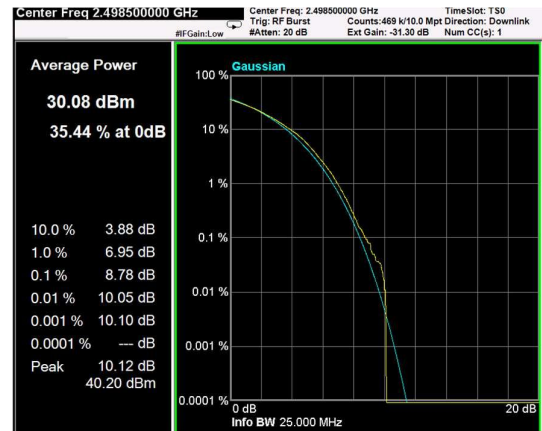
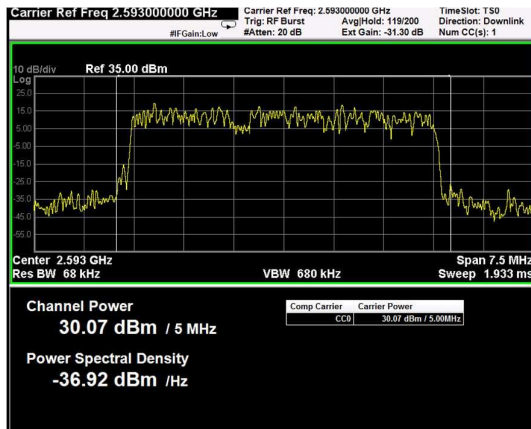
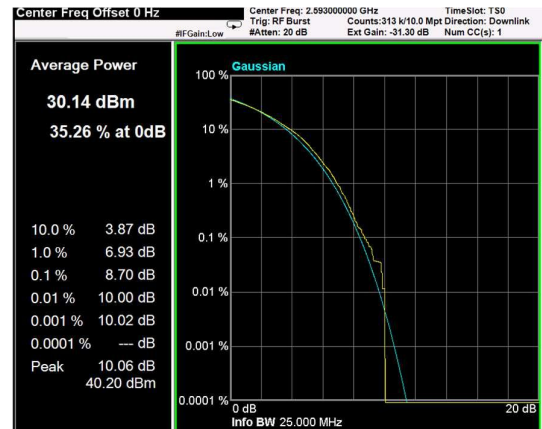
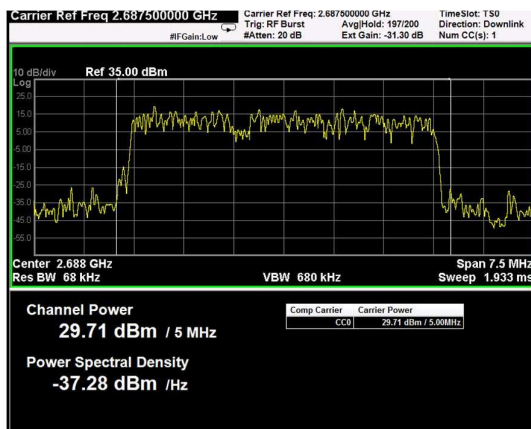
Test data

RF PORT 1

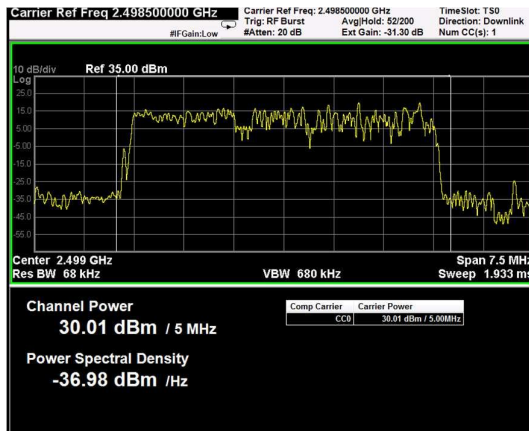
Test data					
Direction	Modulation	Frequency (MHz)	RF output Power (dBm)	RF output channel Power (W)	PAR (dB)
Down-link	LTE 5MHz (QPSK)	2498.5	30.0	1.002	10.1
Down-link	LTE 5MHz (QPSK)	2593	30.1	1.014	10.1
Down-link	LTE 5MHz (QPSK)	2687.5	29.7	0.940	9.9
Down-link	LTE 5MHz (16QAM)	2498.5	30.0	1.002	10.1
Down-link	LTE 5MHz (16QAM)	2593	30.1	1.019	10.1
Down-link	LTE 5MHz (16QAM)	2687.5	29.7	0.942	9.9
Down-link	LTE 5MHz (64QAM)	2498.5	30.0	1.007	10.1
Down-link	LTE 5MHz (64QAM)	2593	30.1	1.016	10.1
Down-link	LTE 5MHz (64QAM)	2687.5	29.7	0.935	9.9
Down-link	LTE 5MHz (256QAM)	2498.5	30.0	1.002	10.1
Down-link	LTE 5MHz (256QAM)	2593	30.1	1.012	10.1
Down-link	LTE 5MHz (256QAM)	2687.5	29.7	0.933	9.9


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

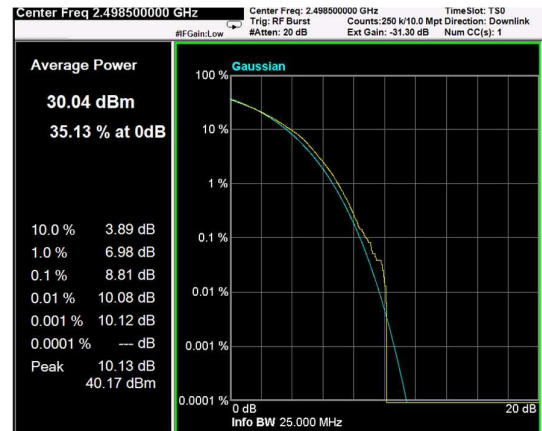

Channel: BOTTOM, Modulation: 16QAM,
 BW=5MHz, Channel Power

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

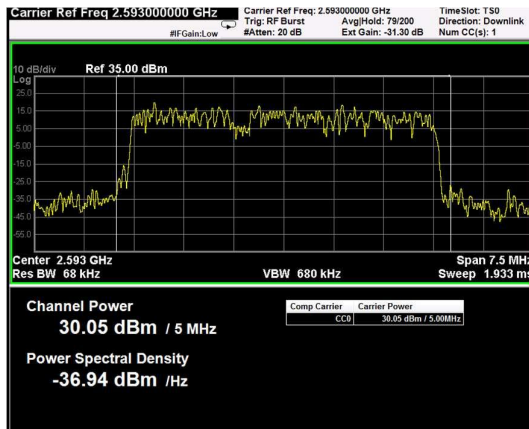
Channel: TOP, Modulation: 64QAM,
 BW=5MHz, CCDF



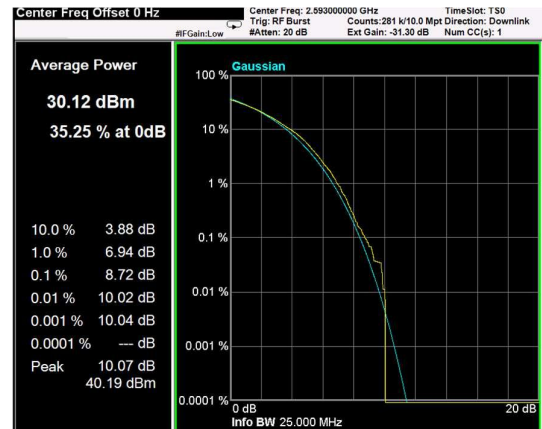
Channel: BOTTOM, Modulation: 256QAM, BW=5MHz, Channel Power



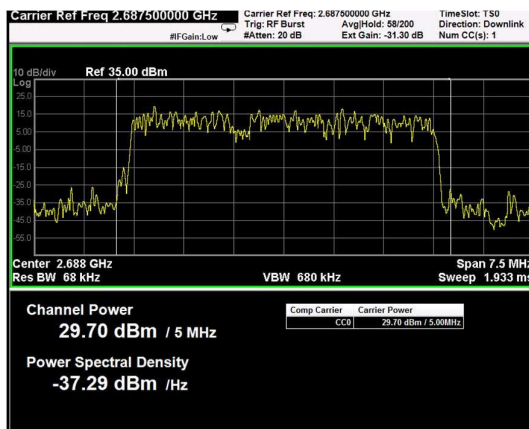
Channel: BOTTOM, Modulation: 256QAM, BW=5MHz, CCDF



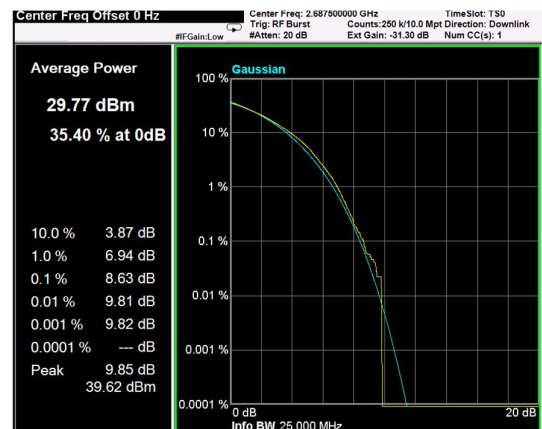
Channel: MIDDLE, Modulation: 256QAM, BW=5MHz, Channel Power



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



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



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