Product	Intel 7260M2NA		
Test Mode	Frequency Stability Under Temperature Variations & Voltage Variations		
Date of Test	2014/10/15	Test Site	CTR
Test Condition	Band 17 (10M) CH23790(710MHz) –16QAM	Test Range	-30℃~+50℃

Frequency Stability Under Temperature Variations

Temperature Interval(℃)	Test Frequency (GHz)	Deviation (kHz)	Limit (kHz)
-30	0.71	0.0098	±1.78
-20	0.71	0.0072	±1.78
-10	0.71	0.0096	±1.78
0	0.71	0.0114	±1.78
10	0.71	0.0107	±1.78
20	0.71	0.0121	±1.78
30	0.71	0.0108	±1.78
40	0.71	0.0114	±1.78
50	0.71	0.0121	±1.78

Voltage Variations

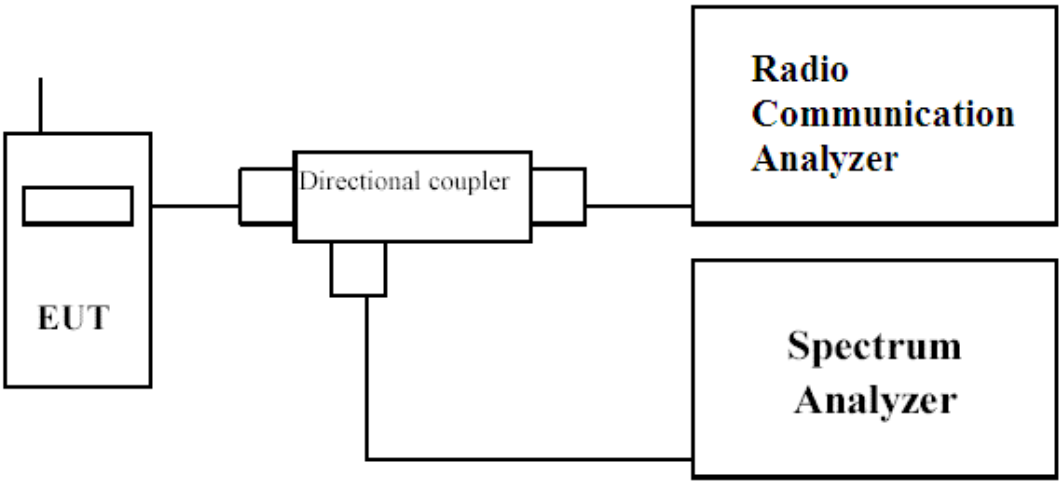
AC Voltage (V)	Test Frequency (GHz)	Deviation (kHz)	Limit (kHz)
3.465	0.71	0.0111	±1.78
3.3	0.71	0.0107	±1.78
3.135	0.71	0.0132	±1.78

7. Peak to Average Ratio

7.1 Test Specification

According to Part 27.50(a).

7.2 Test Setup



7.3 Limits

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB. The PAPR measurements should be made using either an instrument with complementary cumulative distribution function (CCDF) capabilities to determine that PAPR will not exceed 13 dB for more than 0.1 percent of the time or other Commission approved procedure.

7.4 Test Procedure

a) Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;

b) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;

c) Set the number of counts to a value that stabilizes the measured CCDF curve;

d) Set the measurement interval as follows:

1) for continuous transmissions, set to 1 ms,

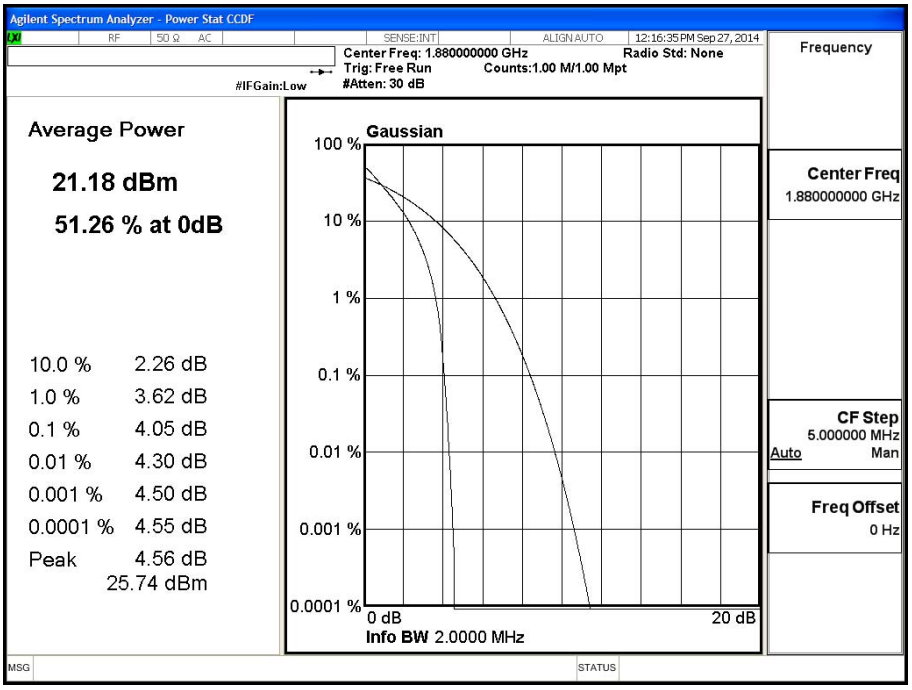
2) for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.

e) Record the maximum PAPR level associated with a probability of 0.1%.

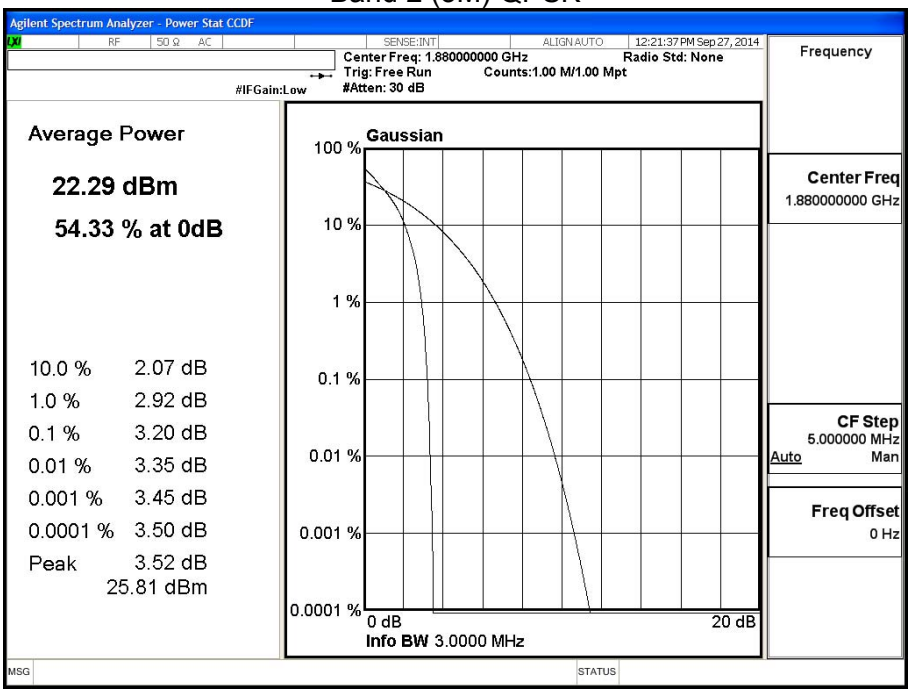
7.5 Test Result of Peak to Average Ratio

Product	Intel 7260M2NA		
Test Mode	Peak to Average Ratio		
Date of Test	2014/10/06	Test Site	CTR
Test Condition	LTE-Band 2		

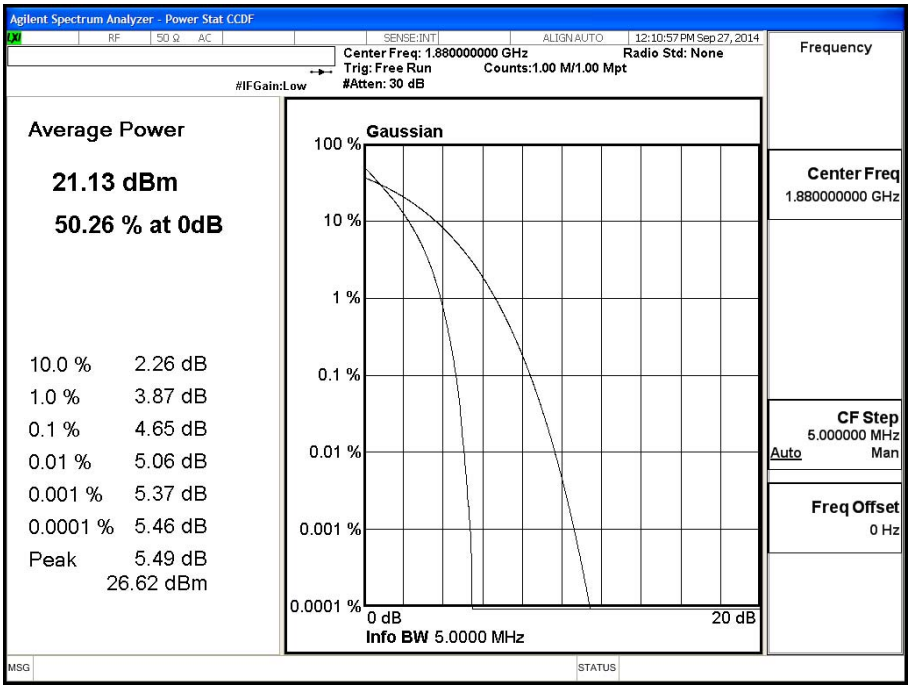
Band 2 (1.4M) QPSK



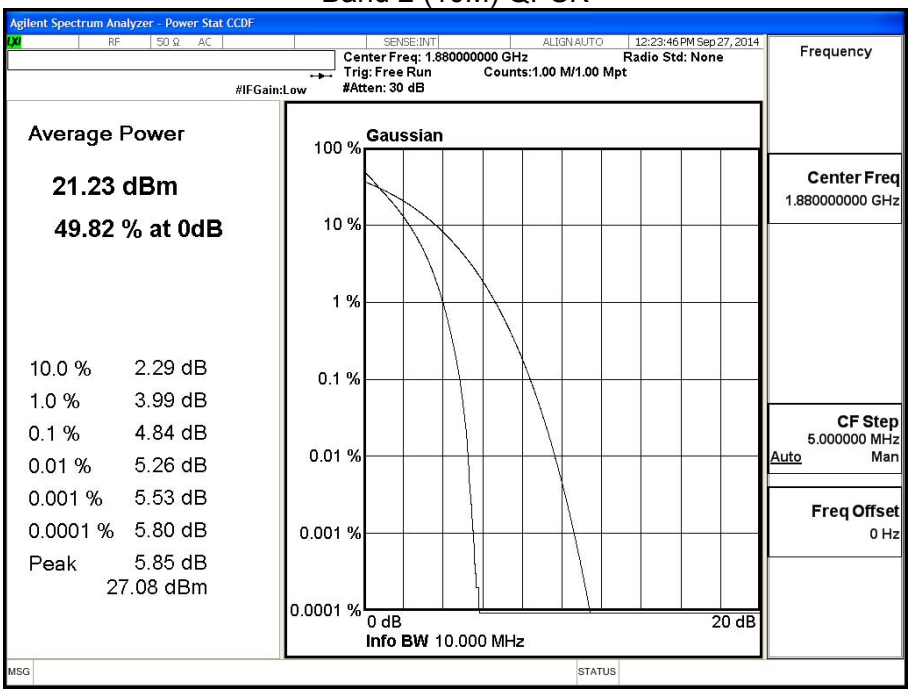
Band 2 (3M) QPSK



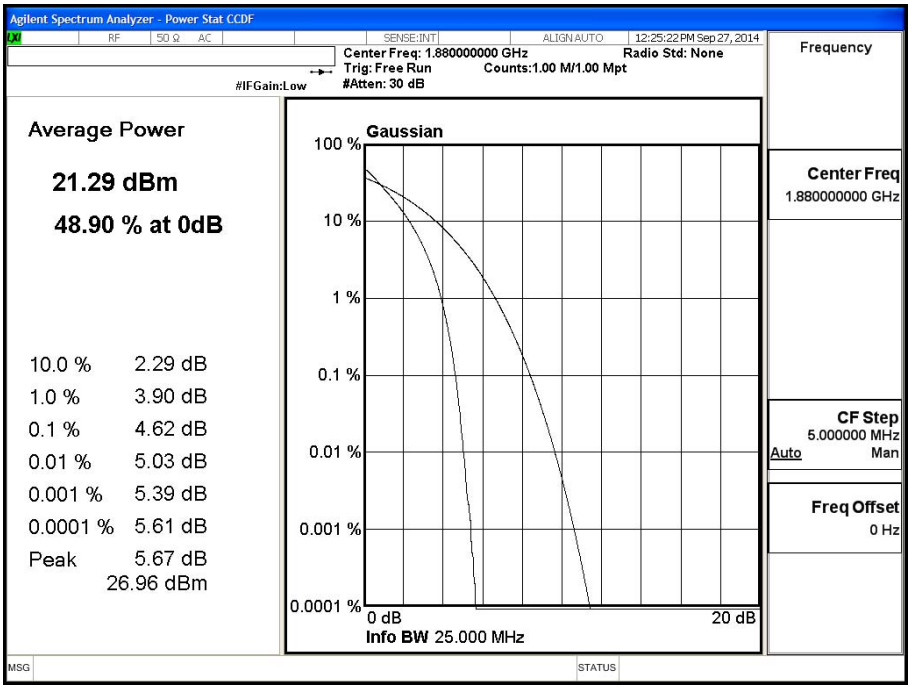
Band 2 (5M) QPSK



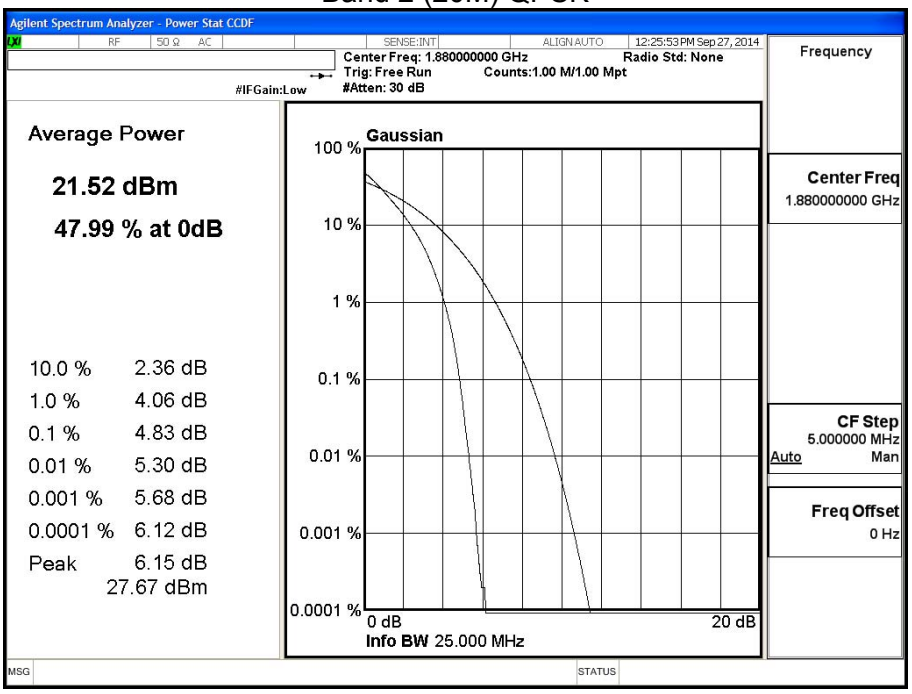
Band 2 (10M) QPSK



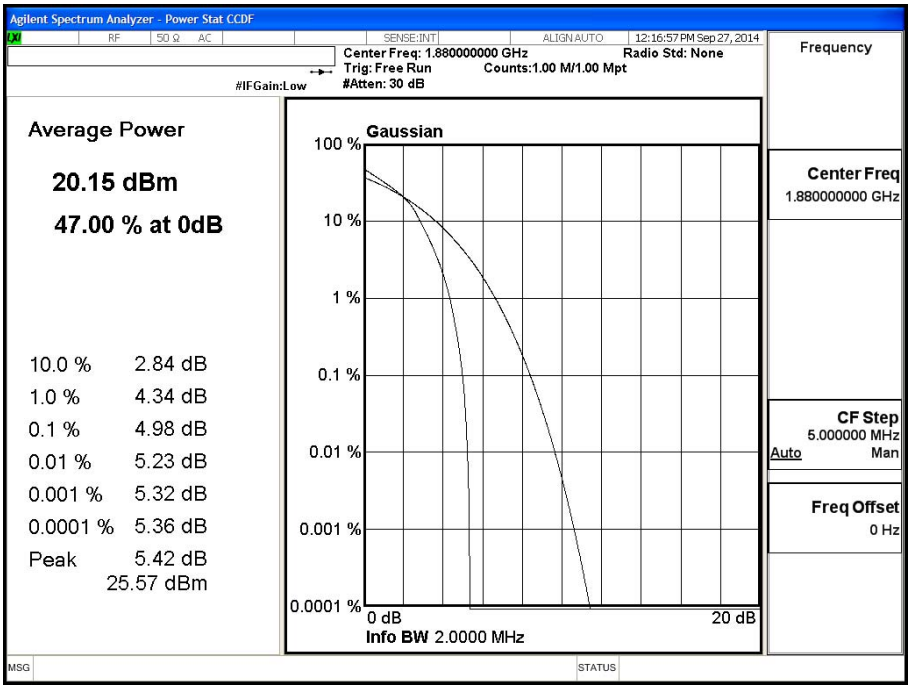
Band 2 (15M) QPSK



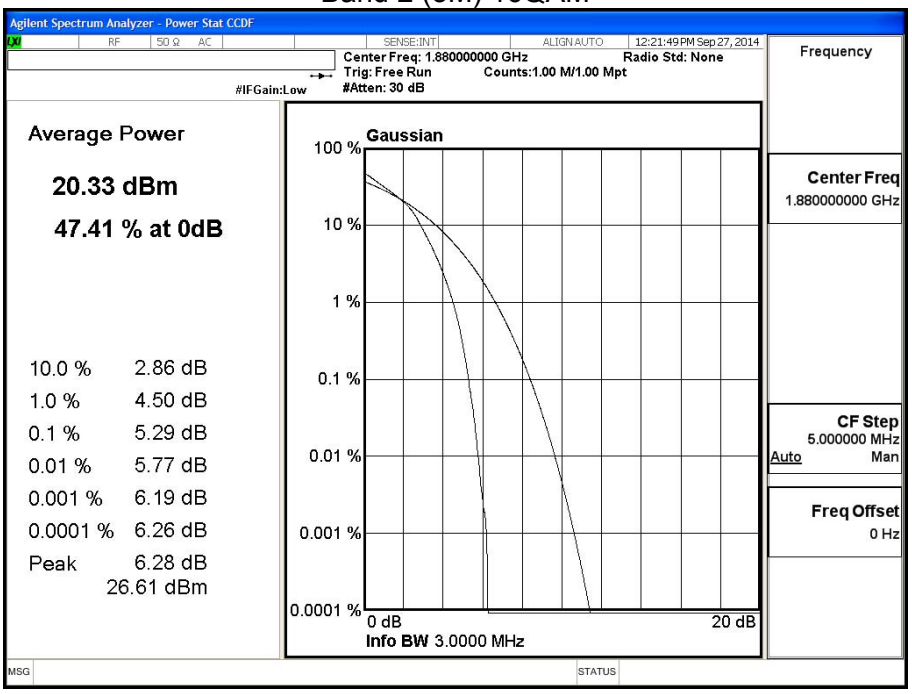
Band 2 (20M) QPSK



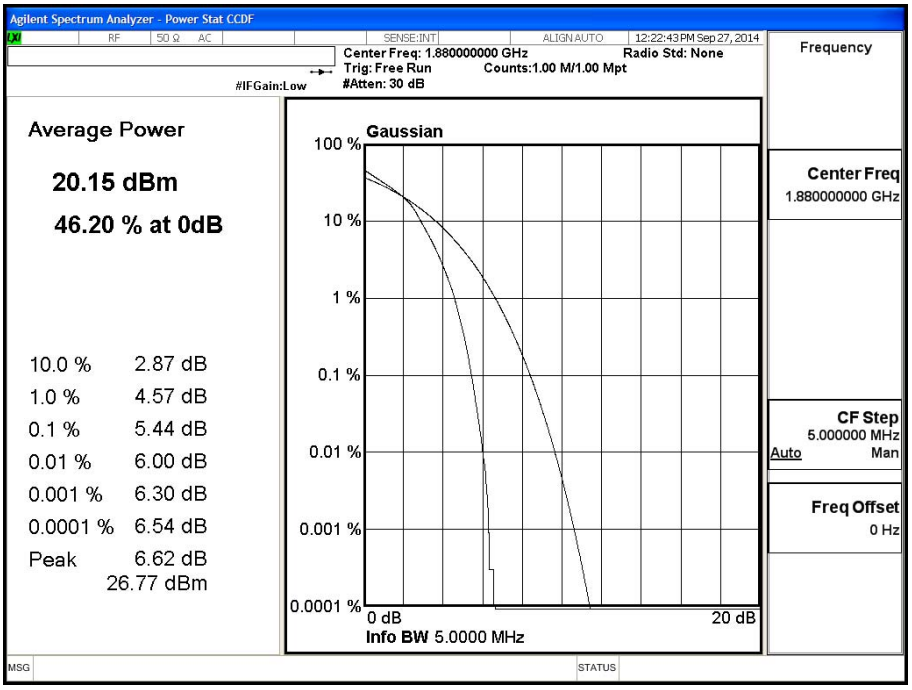
Band 2 (1.4M) 16QAM



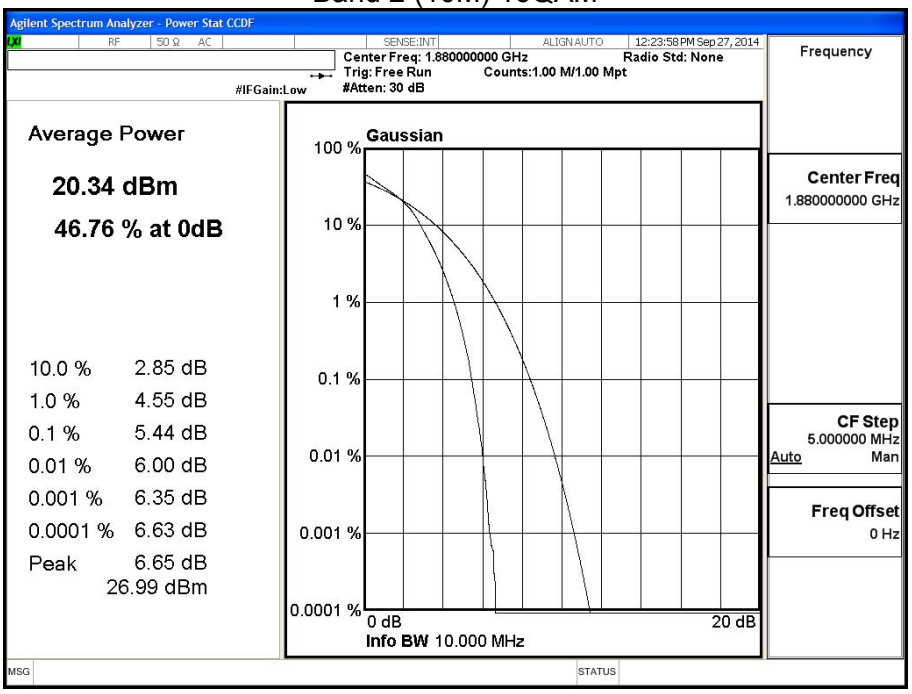
Band 2 (3M) 16QAM



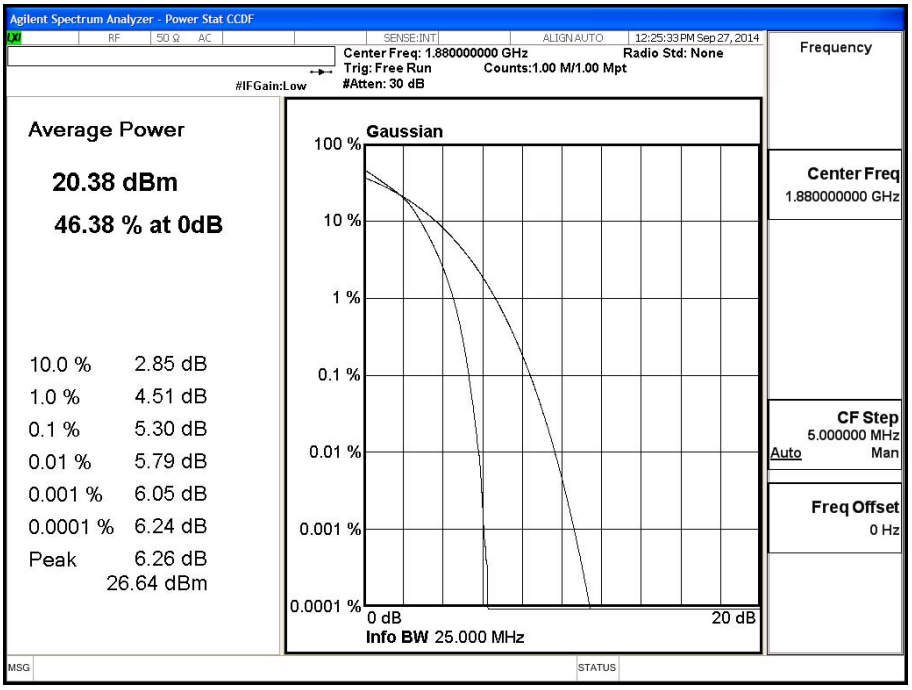
Band 2 (5M) 16QAM



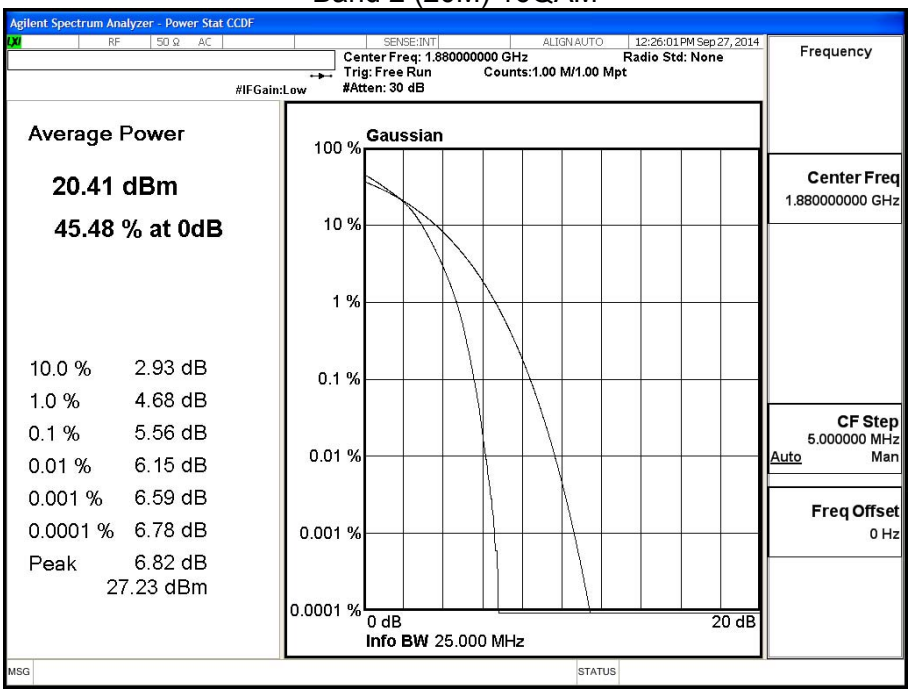
Band 2 (10M) 16QAM



Band 2 (15M) 16QAM

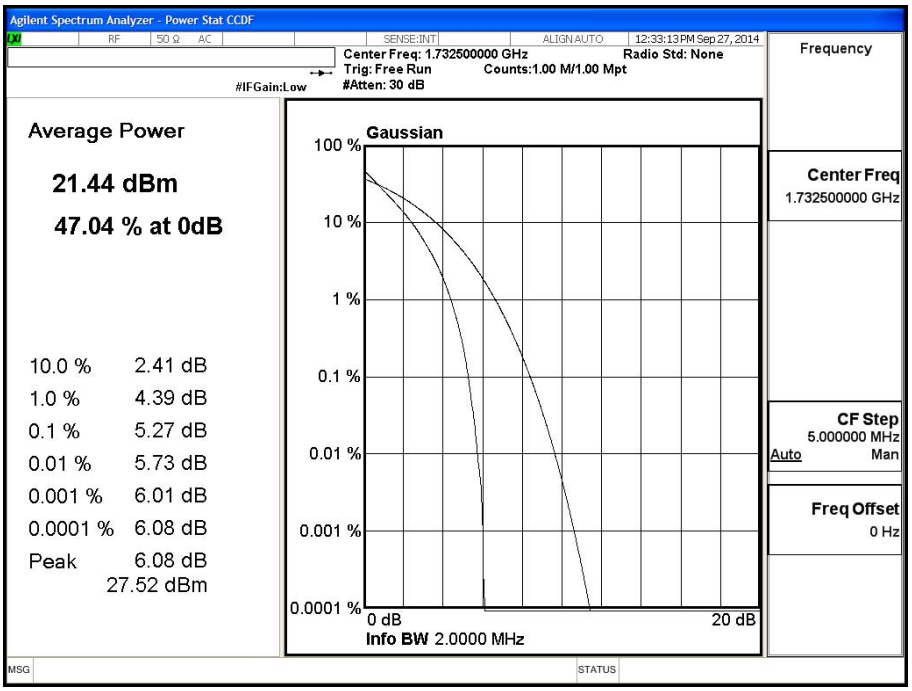


Band 2 (20M) 16QAM

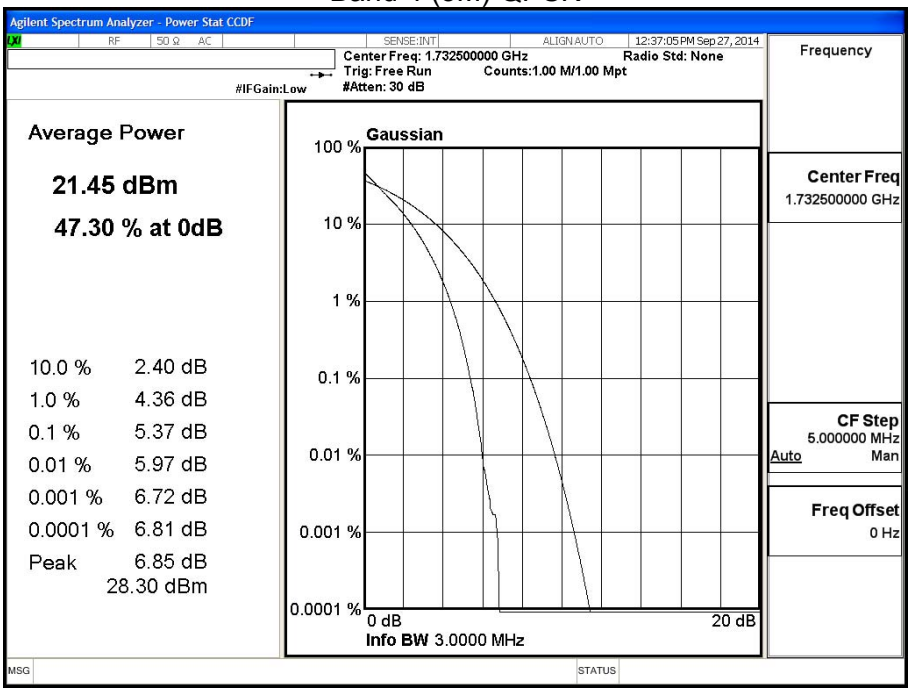


Product	Intel 7260M2NA		
Test Mode	Peak to Average Ratio		
Date of Test	2014/10/06	Test Site	CTR
Test Condition	LTE-Band 4		

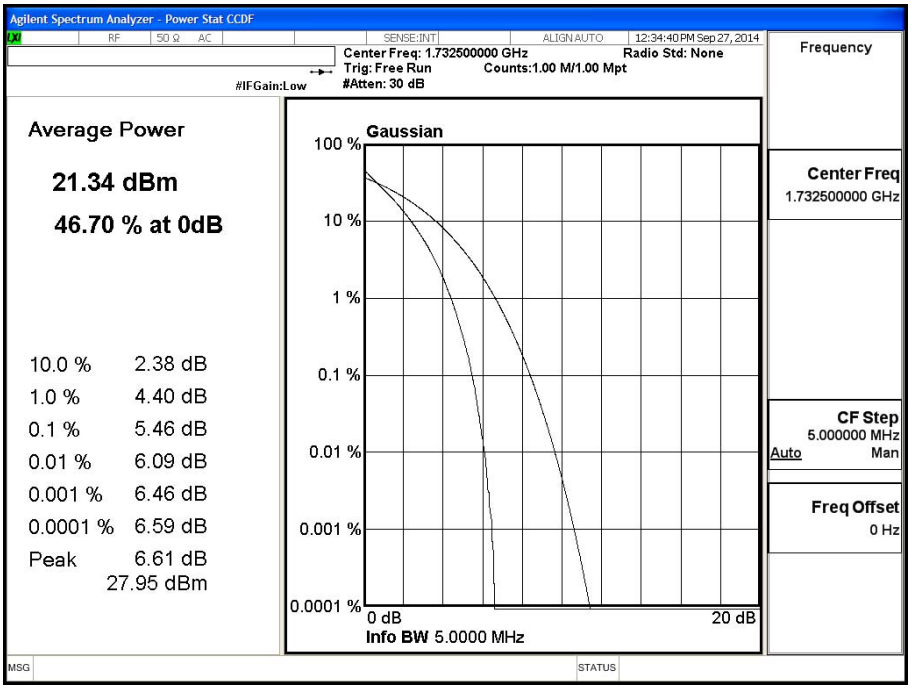
Band 4 (1.4M) QPSK



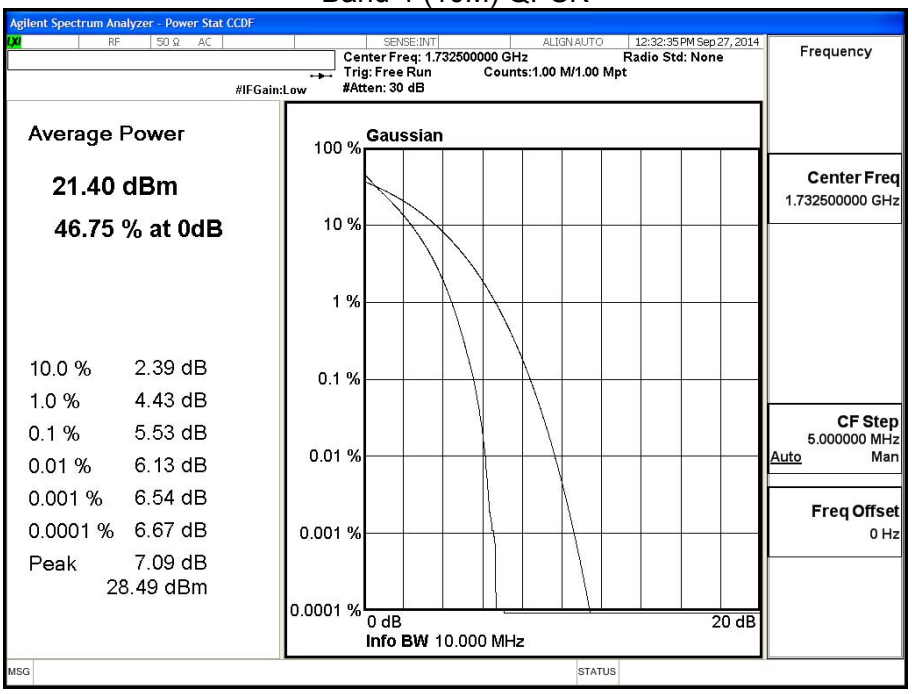
Band 4 (3M) QPSK



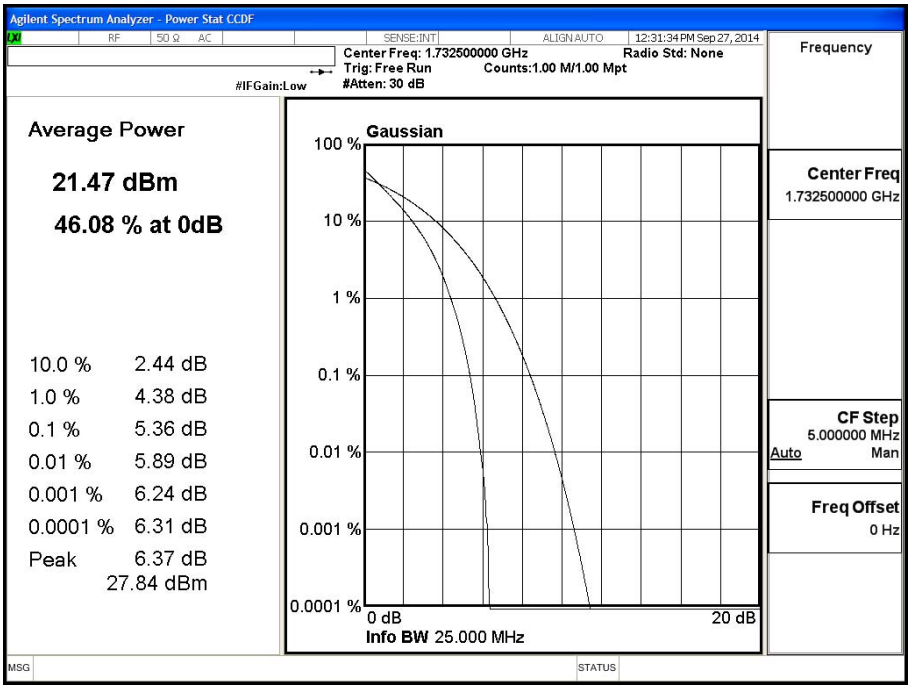
Band 4 (5M) QPSK



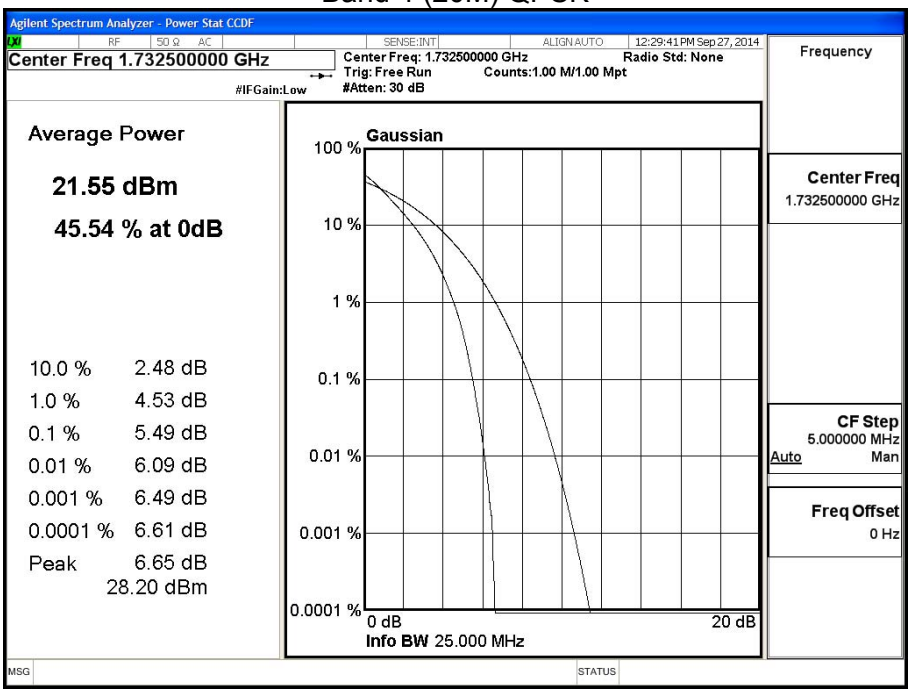
Band 4 (10M) QPSK



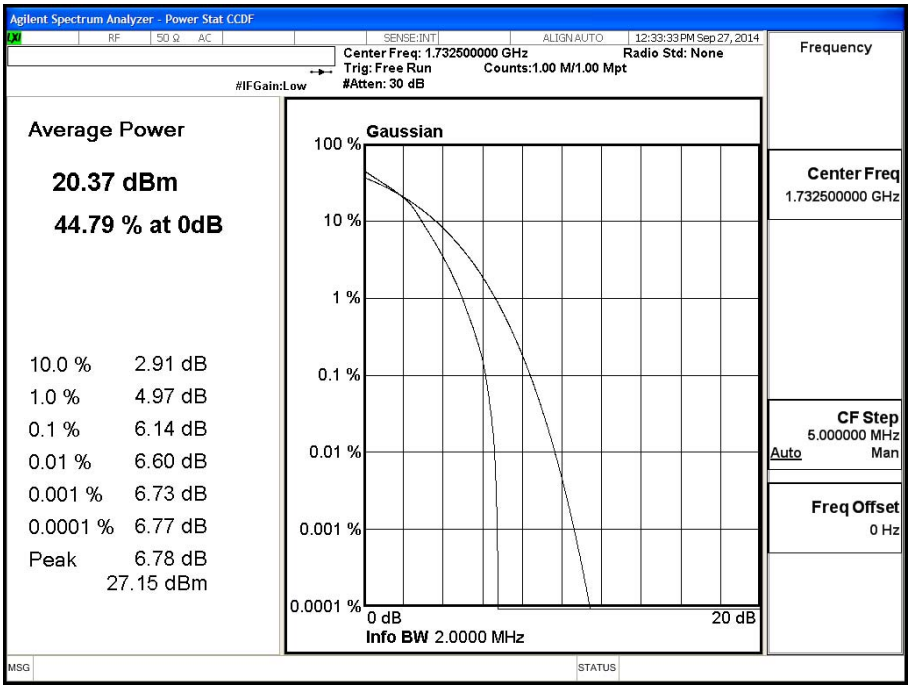
Band 4 (15M) QPSK



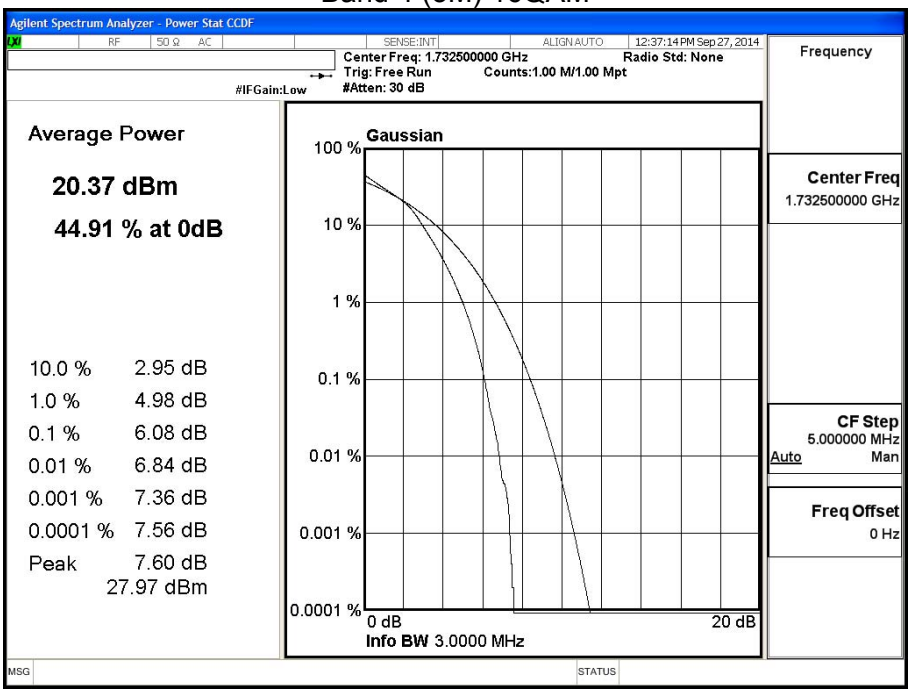
Band 4 (20M) QPSK



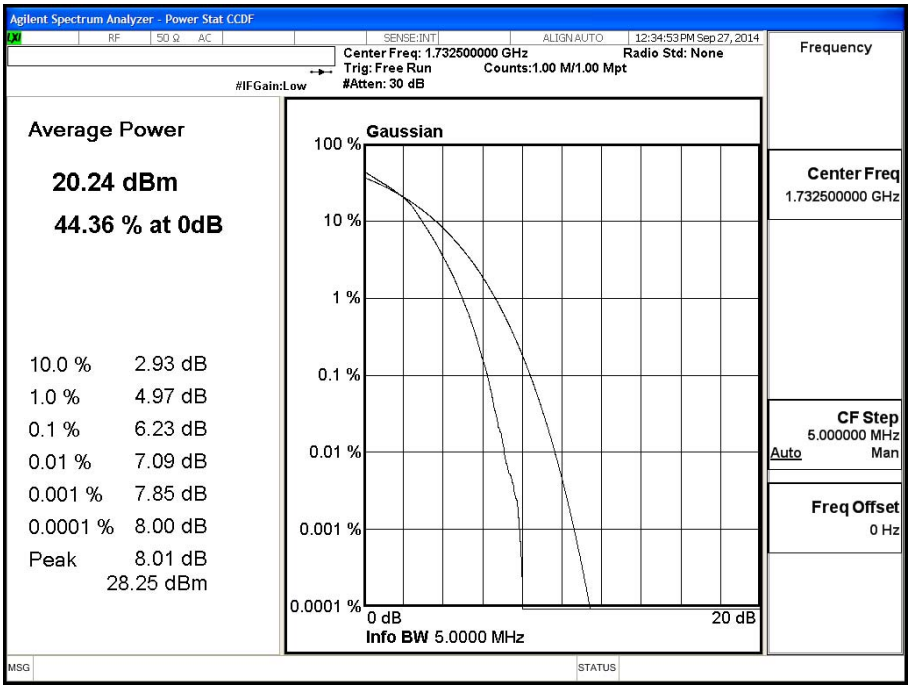
Band 4 (1.4M) 16QAM



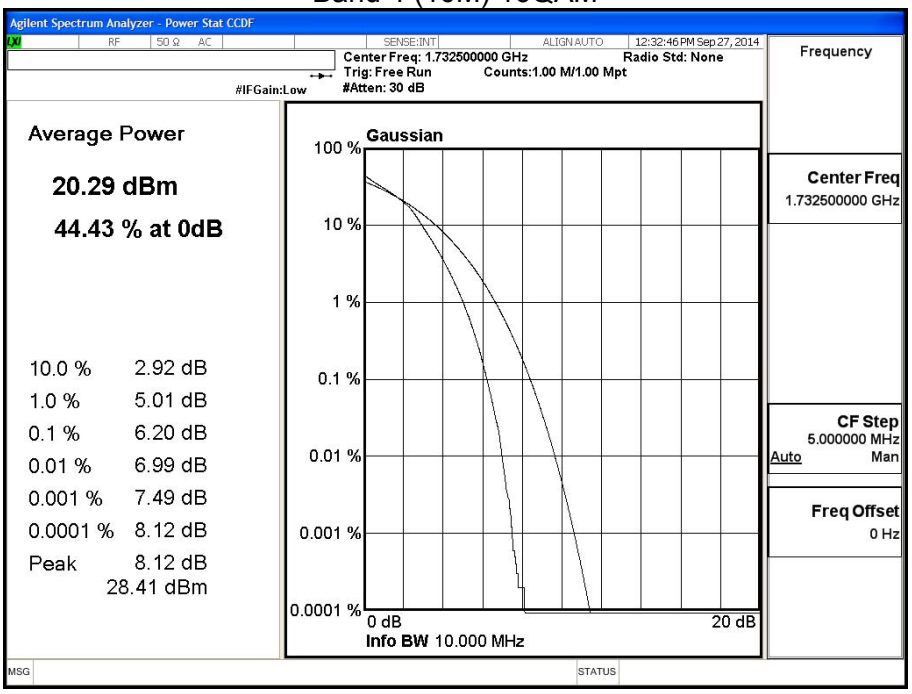
Band 4 (3M) 16QAM



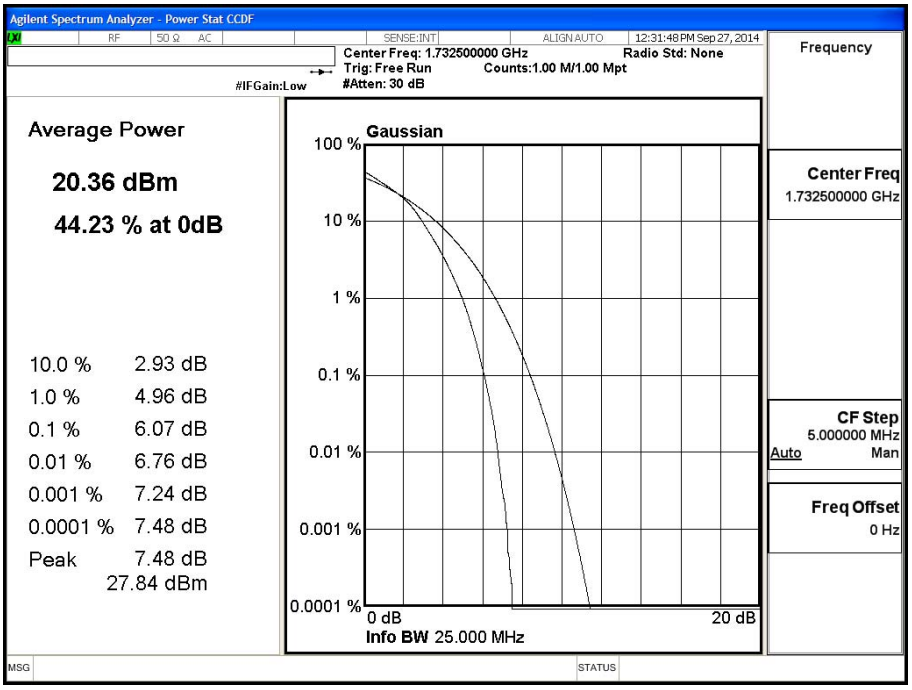
Band 4 (5M) 16QAM



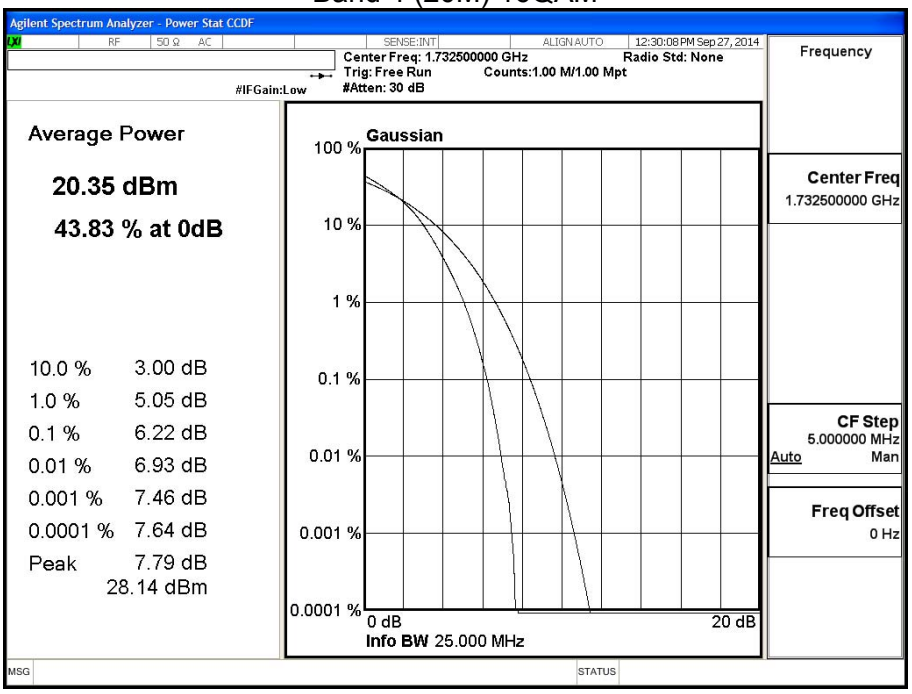
Band 4 (10M) 16QAM



Band 4 (15M) 16QAM

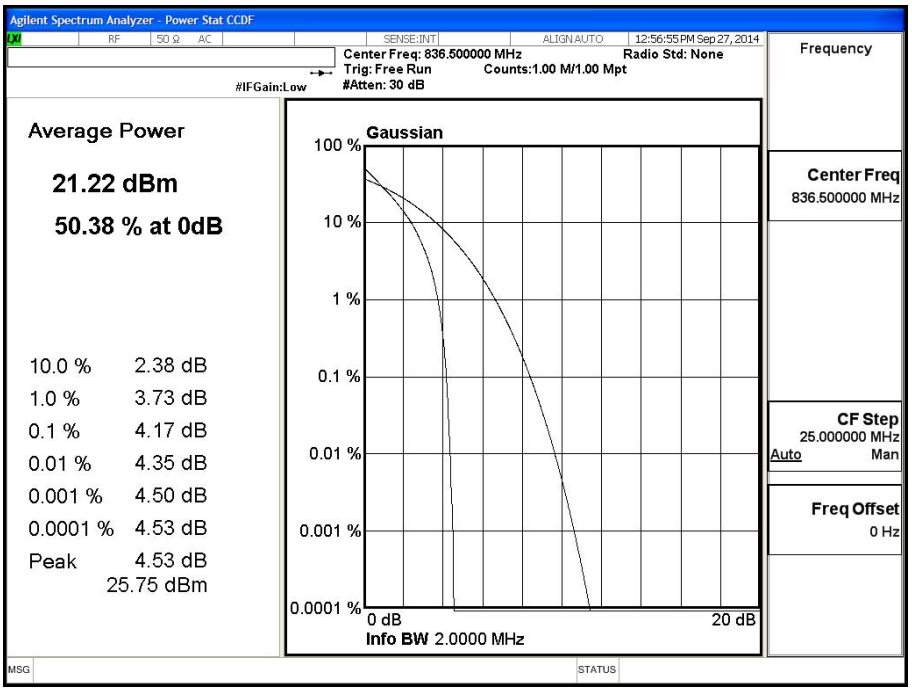


Band 4 (20M) 16QAM

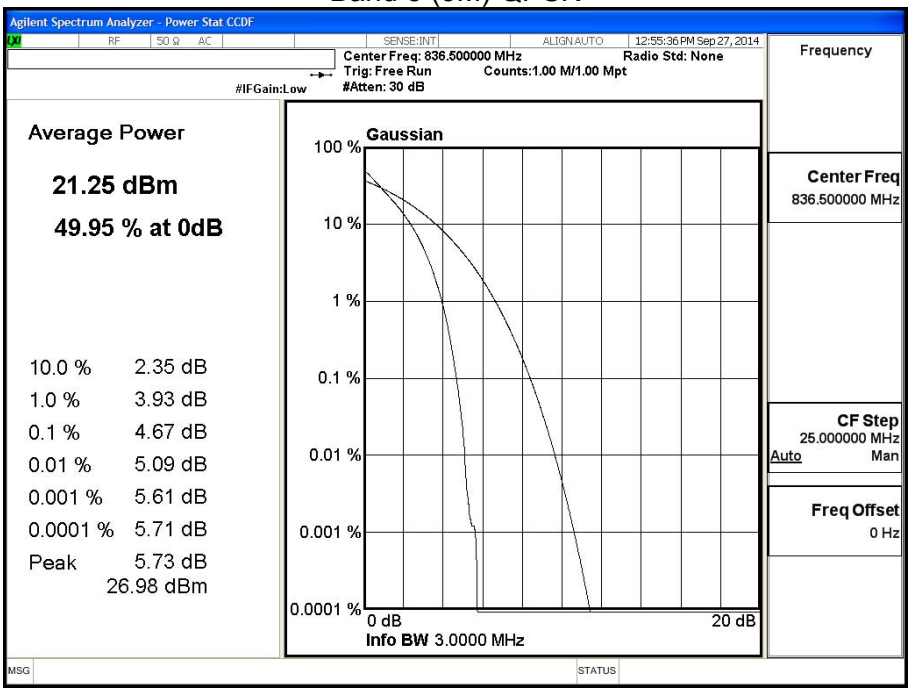


Product	Intel 7260M2NA		
Test Mode	Peak to Average Ratio		
Date of Test	2014/10/06	Test Site	CTR
Test Condition	LTE-Band 5		

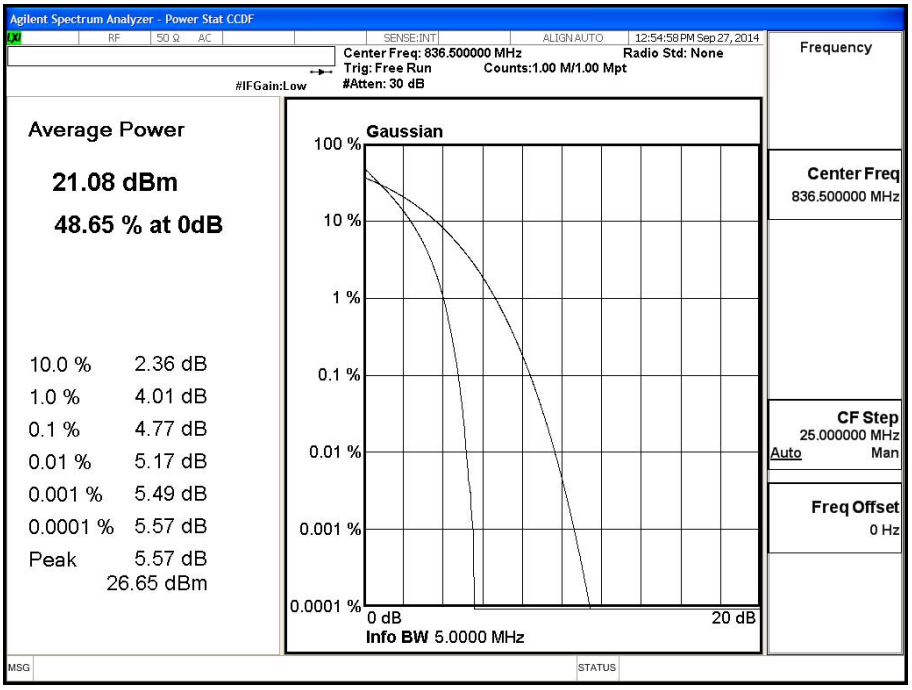
Band 5 (1.4M) QPSK



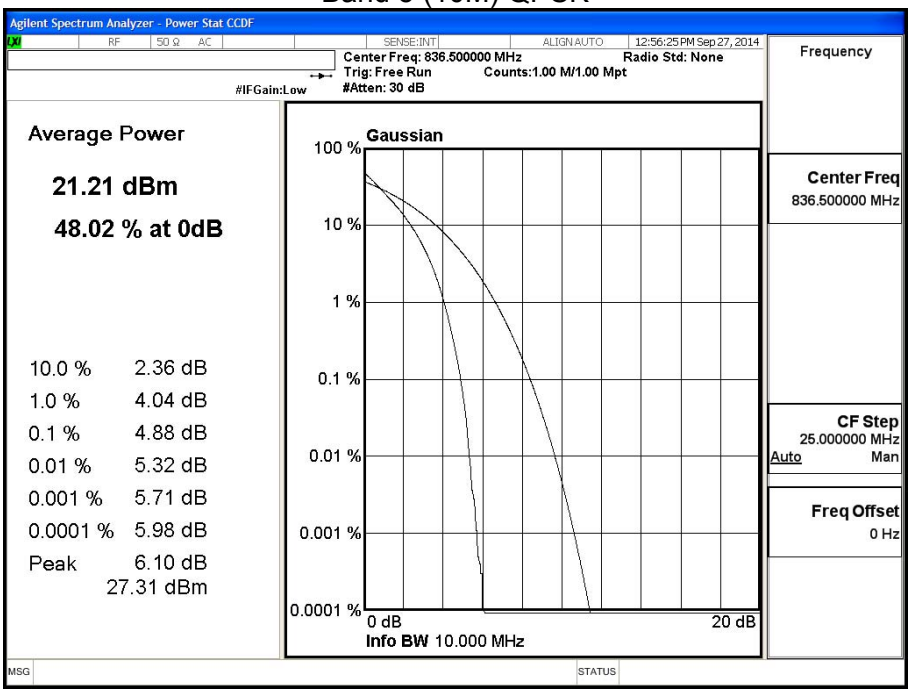
Band 5 (3M) QPSK



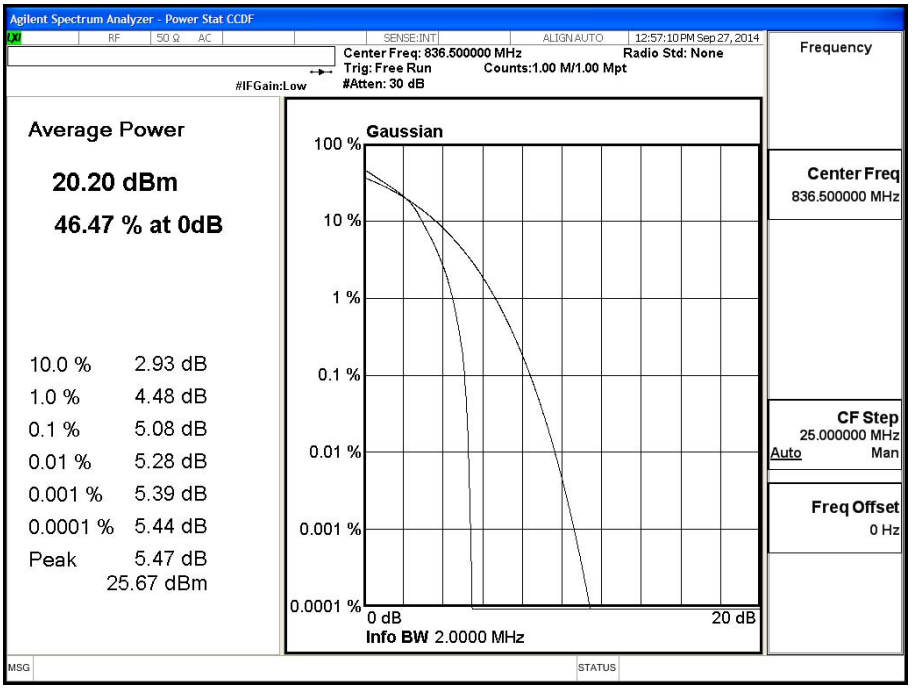
Band 5 (5M) QPSK



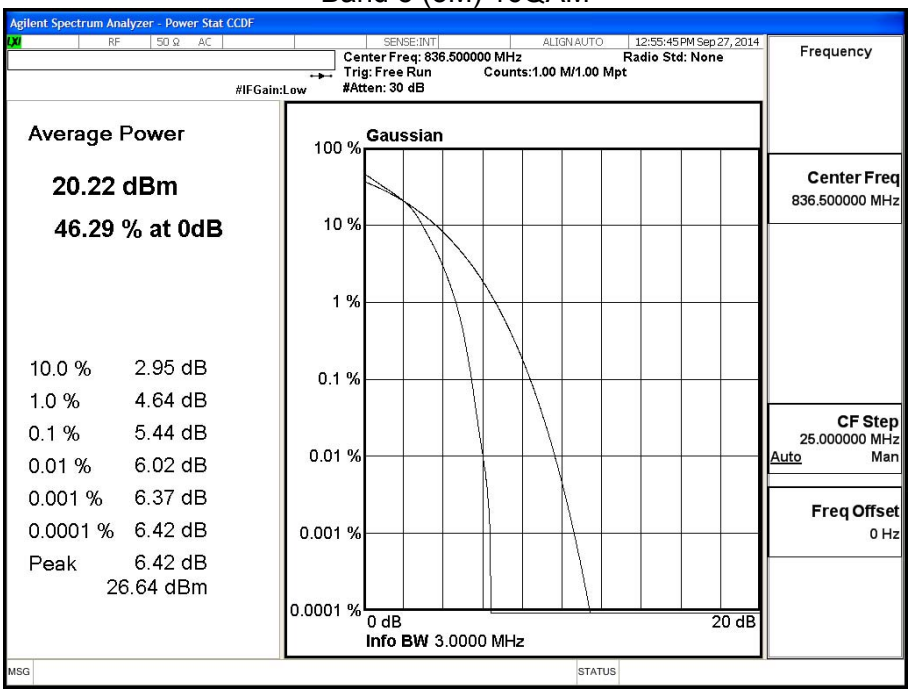
Band 5 (10M) QPSK



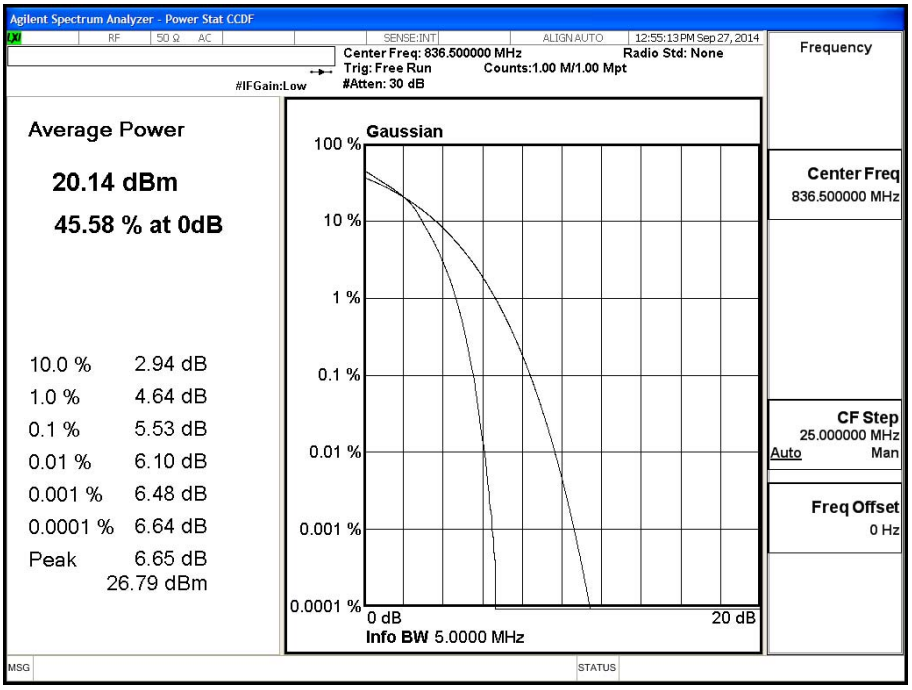
Band 5 (1.4M) 16QAM



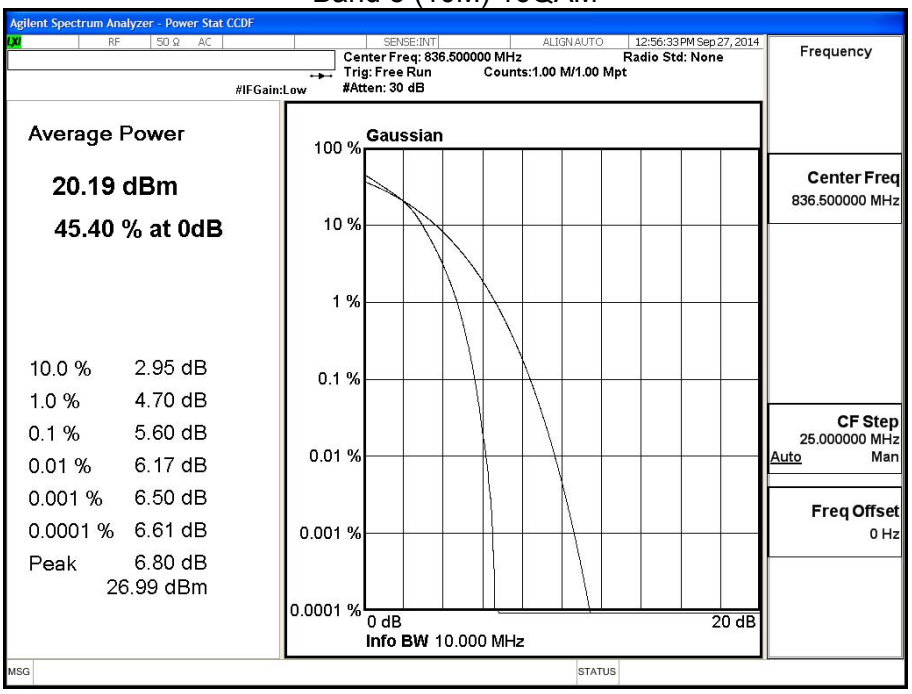
Band 5 (3M) 16QAM



Band 5 (5M) 16QAM

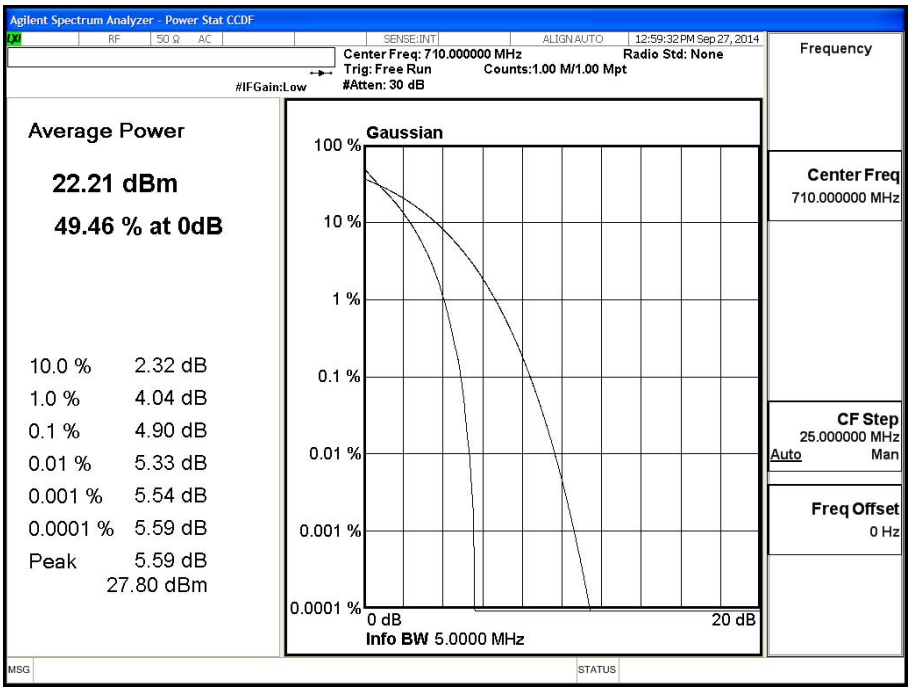


Band 5 (10M) 16QAM

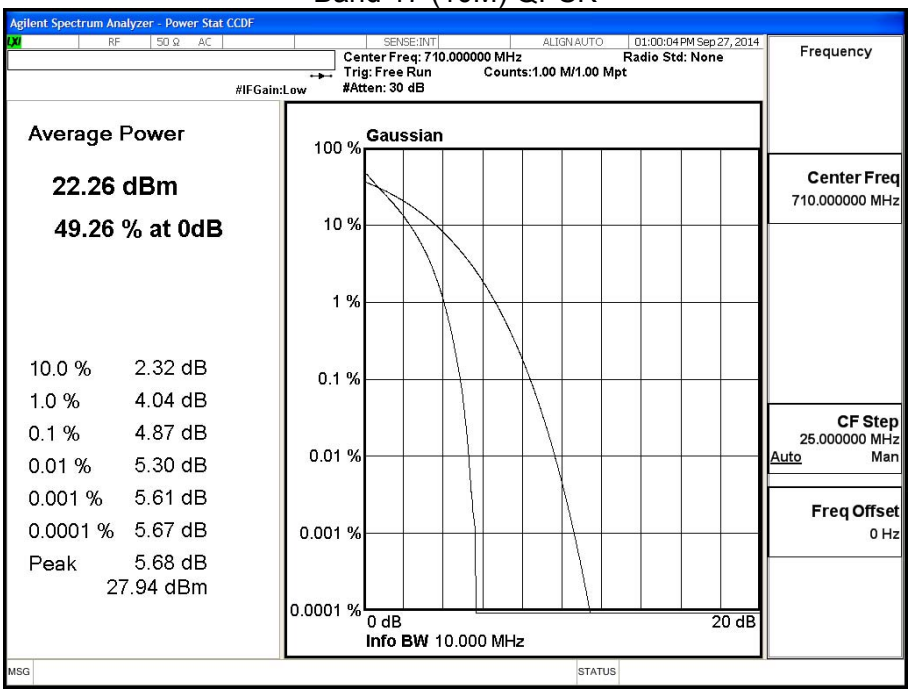


Product	Intel 7260M2NA		
Test Mode	Peak to Average Ratio		
Date of Test	2014/10/06	Test Site	CTR
Test Condition	LTE-Band 17		

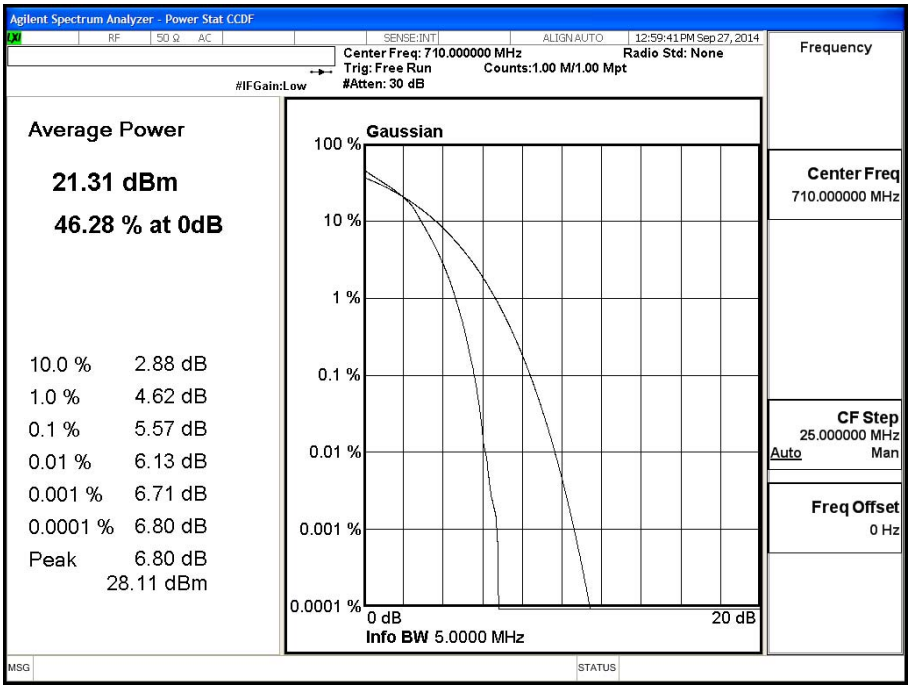
Band 17 (5M) QPSK



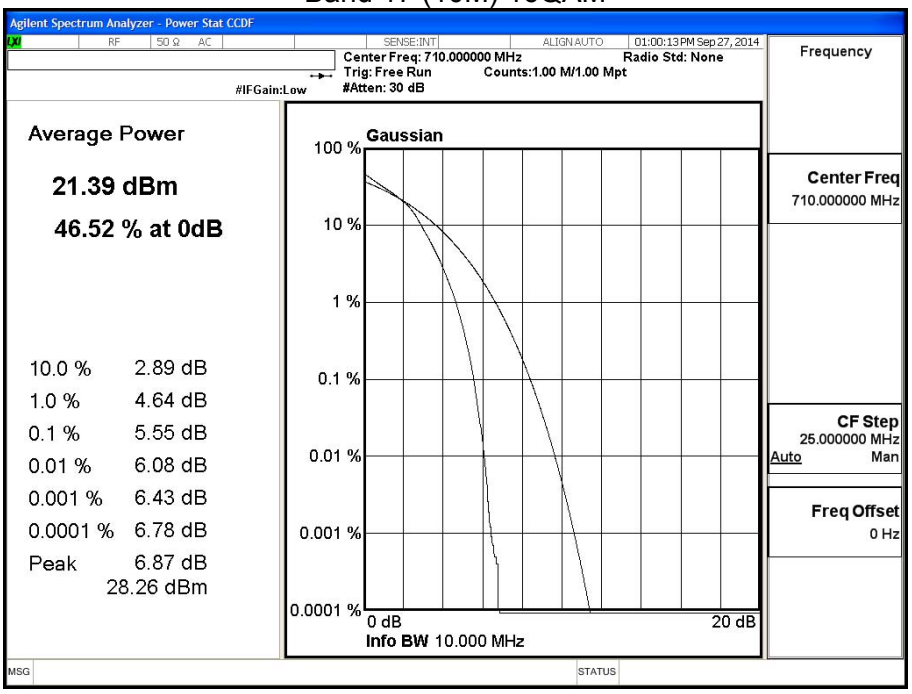
Band 17 (10M) QPSK



Band 17 (5M) 16QAM



Band 17 (10M) 16QAM



Attachment 1: EUT Test Photographs

Attachment 2: EUT Detailed Photographs