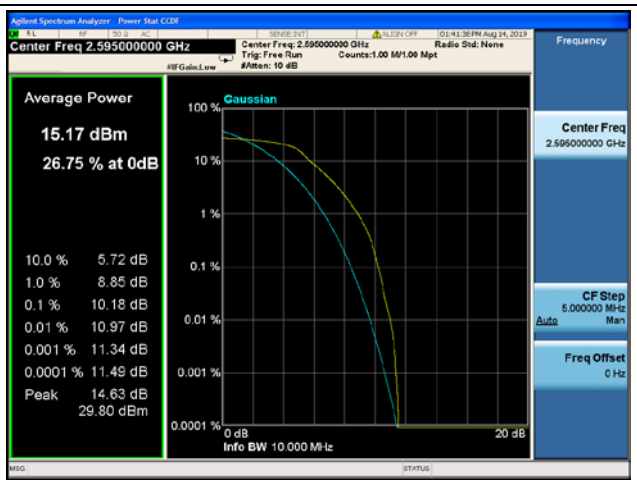
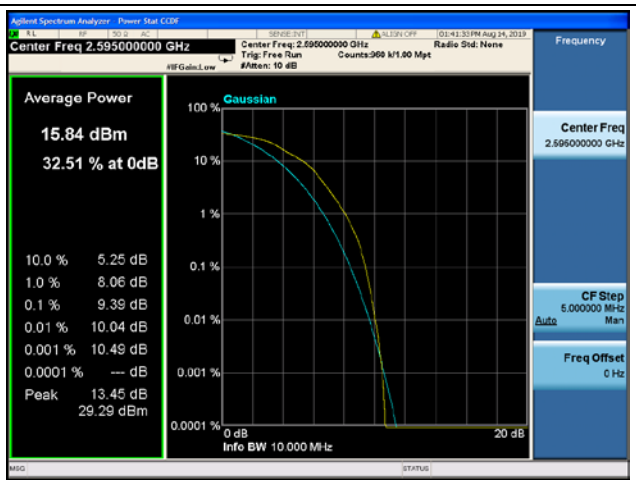
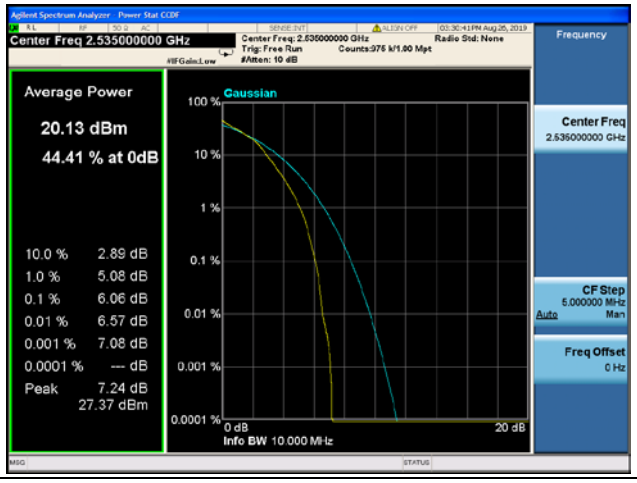
10MHz/QPSK/Mid CH



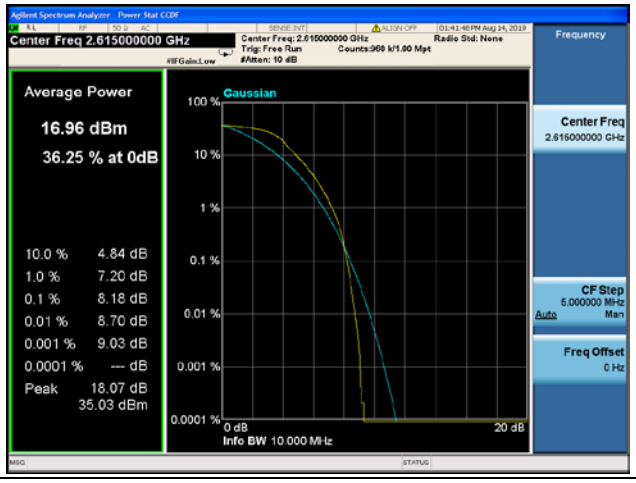
10MHz/16QAM/Mid CH



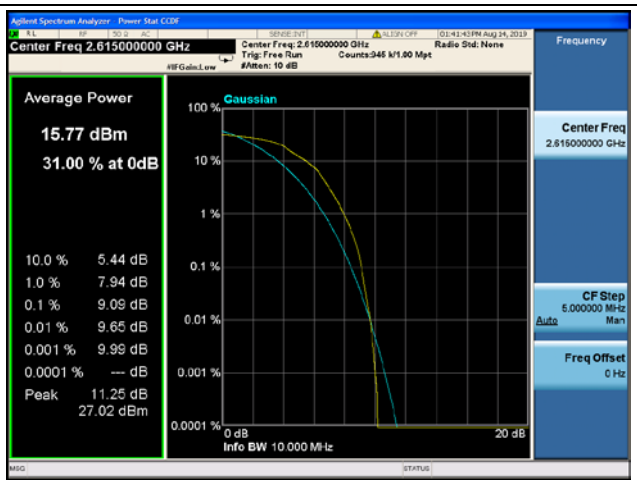
10MHz/64QAM/Mid CH



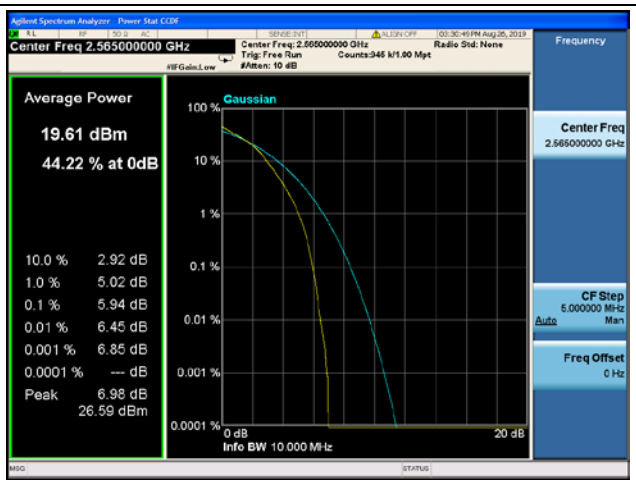
10MHz/QPSK/High CH



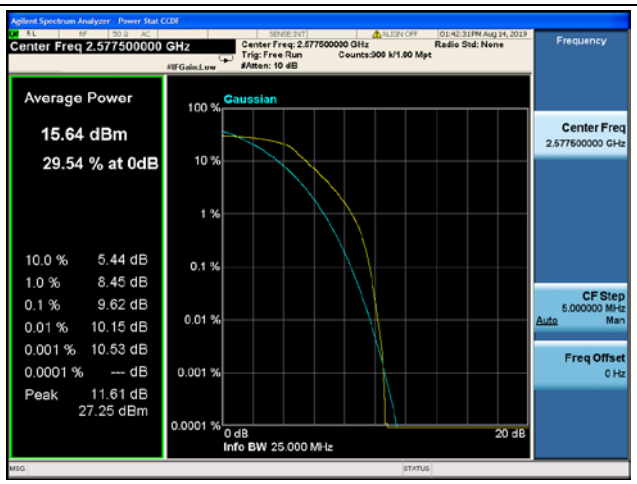
10MHz/16QAM/High CH



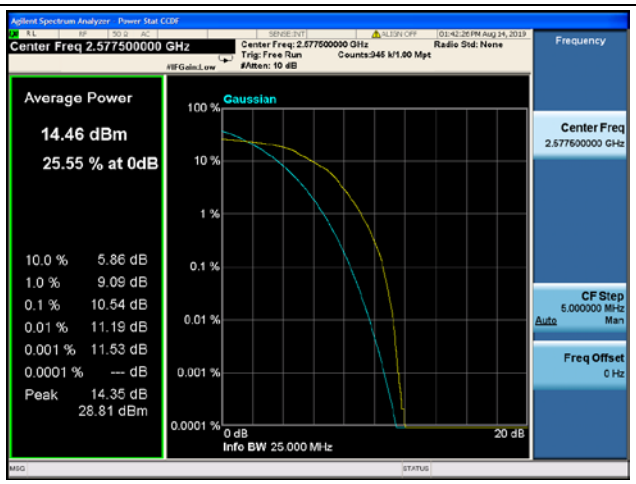
10MHz/64QAM/High CH



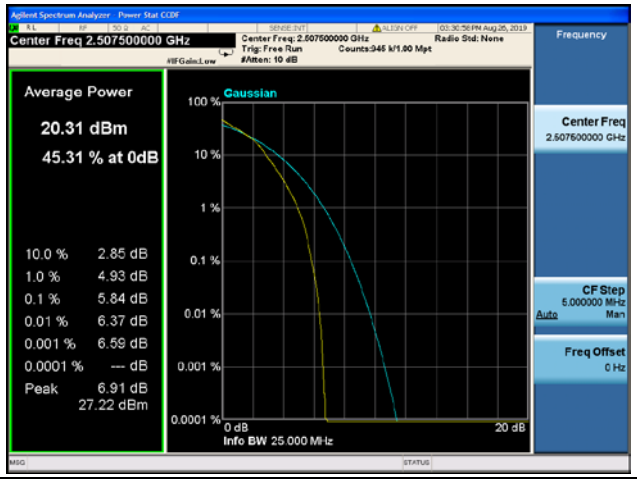
15MHz/QPSK/Low CH



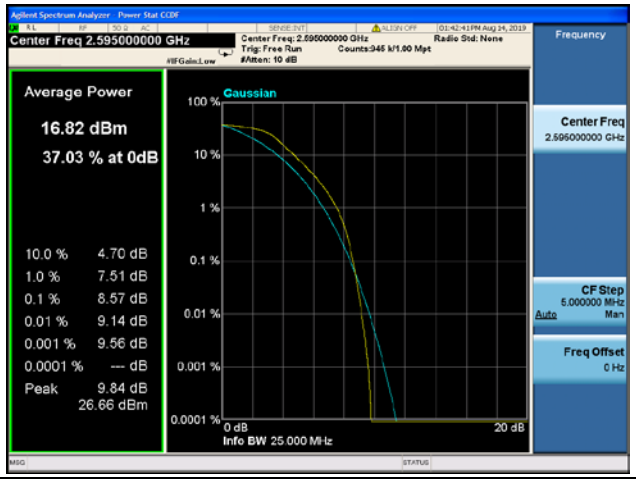
15MHz/16QAM/Low CH



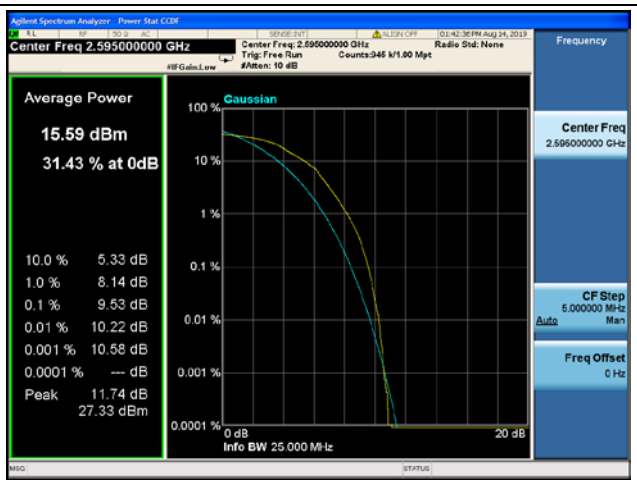
15MHz/64QAM/Low CH



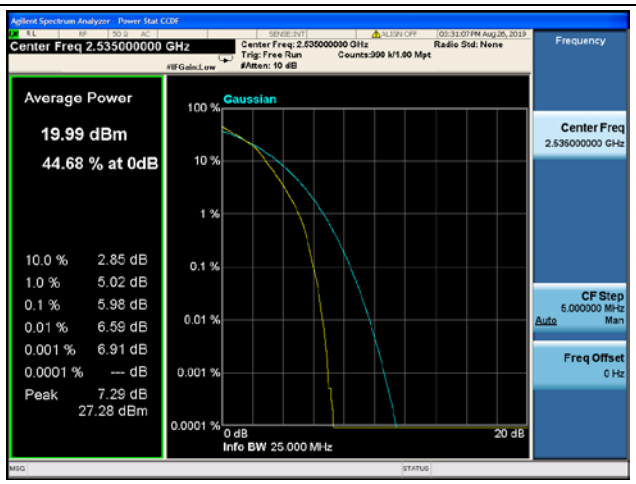
15MHz/QPSK/Mid CH



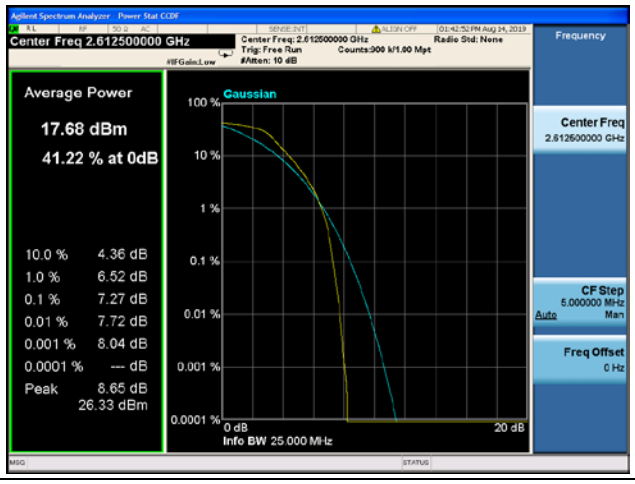
15MHz/16QAM/Mid CH



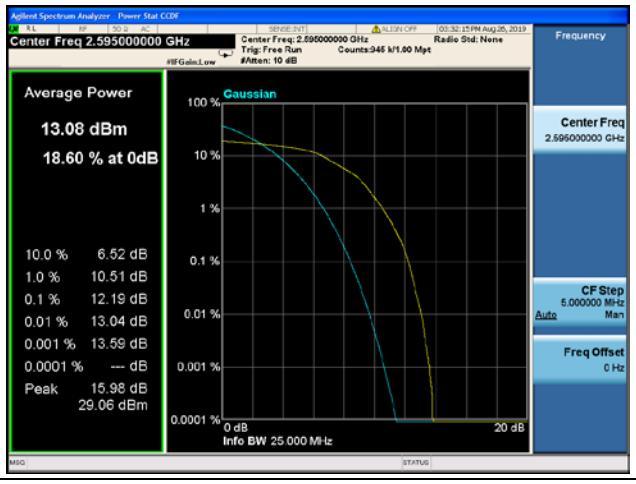
15MHz/64QAM/Mid CH



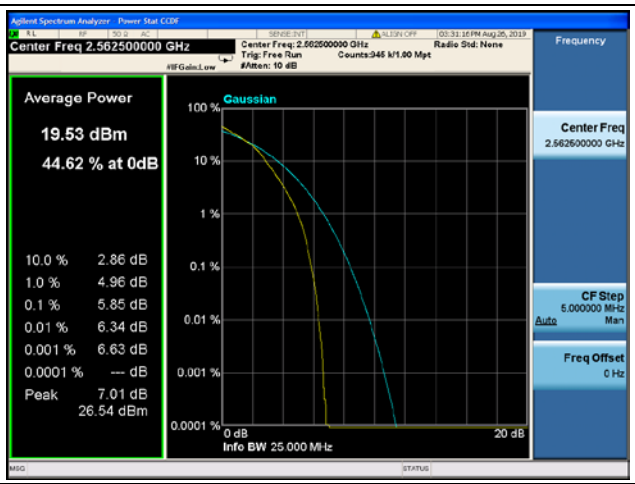
15MHz/QPSK/High CH



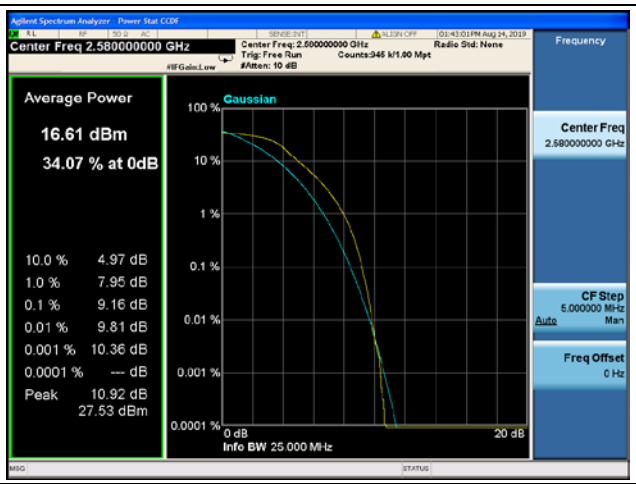
15MHz/16QAM/High CH



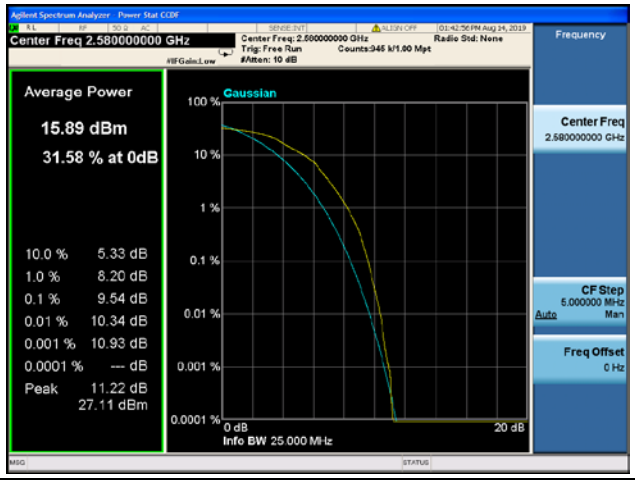
15MHz/64QAM/High CH



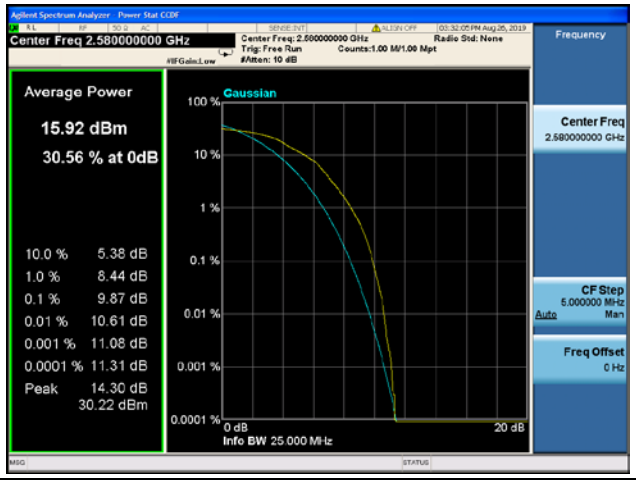
20MHz/QPSK/Low CH



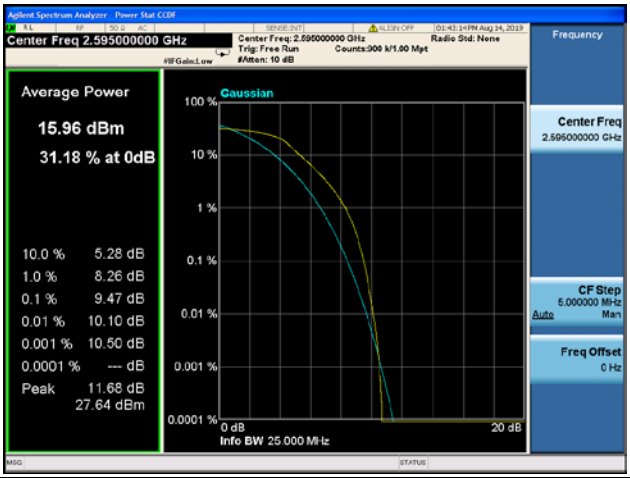
20MHz/16QAM/Low CH



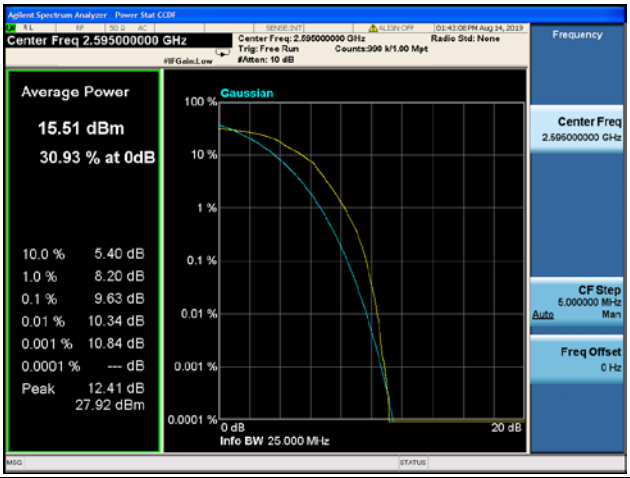
20MHz/64QAM/Low CH



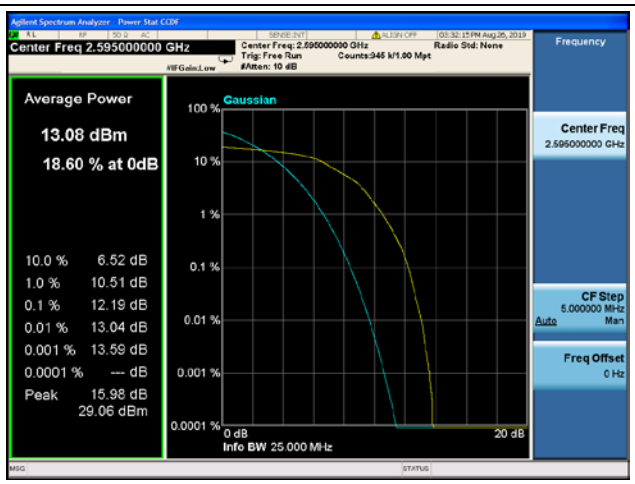
20MHz/QPSK/Mid CH



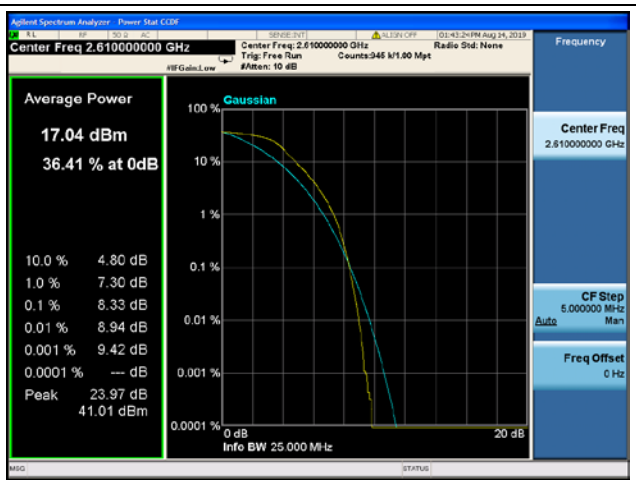
20MHz/16QAM/Mid CH



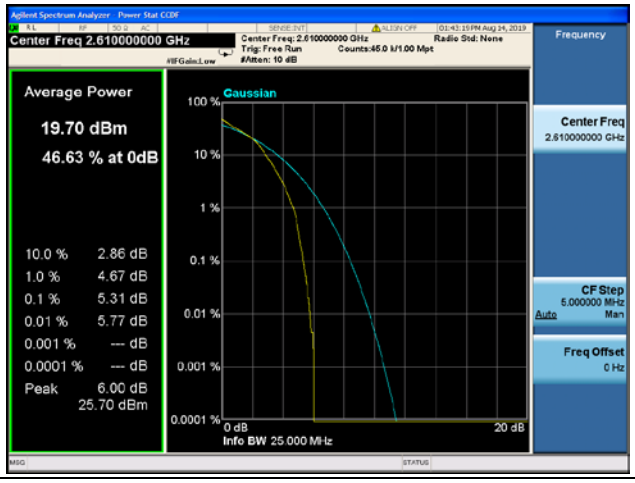
20MHz/64QAM/Mid CH



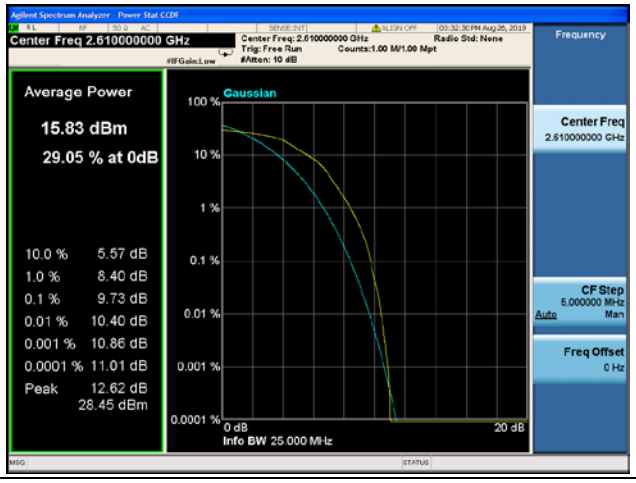
20MHz/QPSK/High CH



20MHz/16QAM/High CH



20MHz/64QAM/High CH

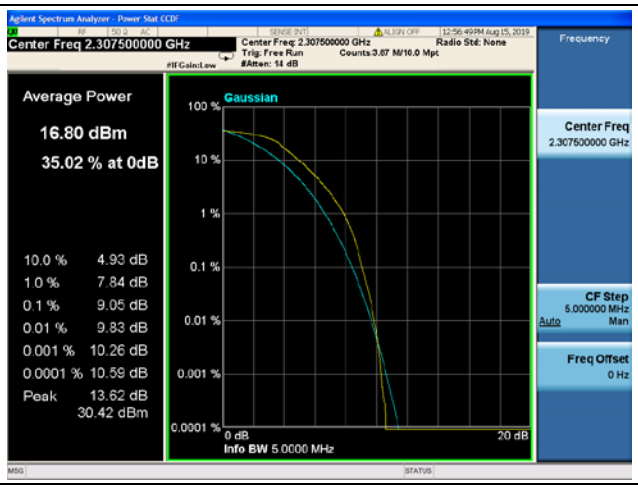


LTE Band 40 (2305MHz ~ 2315MHz),BW: 5MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
38750	2307.5	9.05	9.73	9.54
38750	2310	9.20	9.33	10.19
38775	2312.5	8.95	9.51	10.11
LTE Band 40 (2305MHz ~ 2315MHz),BW: 10MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
/	/	/	/	/
38750	2310	9.92	10.21	9.63
/	/	/	/	/

LTE Band 40(2350MHz ~ 2360MHz),BW: 5MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
39175	2342.5	9.34	9.51	9.53
39200	2355	9.44	9.61	9.52
39225	2357.5	9.16	9.32	9.65
LTE Band 40(2350MHz ~ 2360MHz),BW: 10MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
/	/	/	/	/
39200	2355	8.46	9.10	9.55
/	/	/	/	/

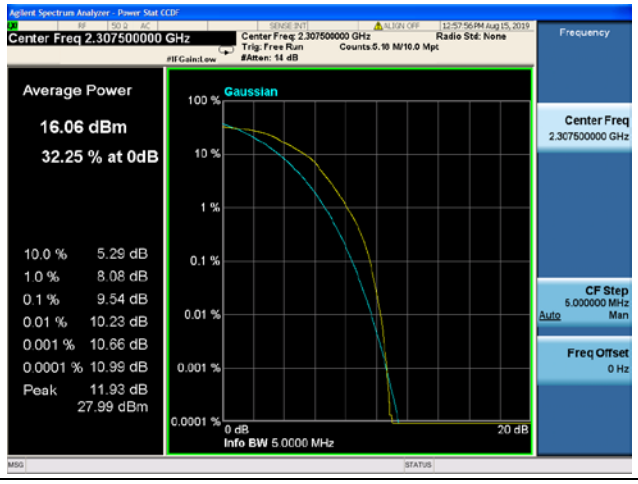
LTE Band 40(2305MHz ~ 2315MHz) Peak to Average Radio

5MHz/QPSK/Low CH

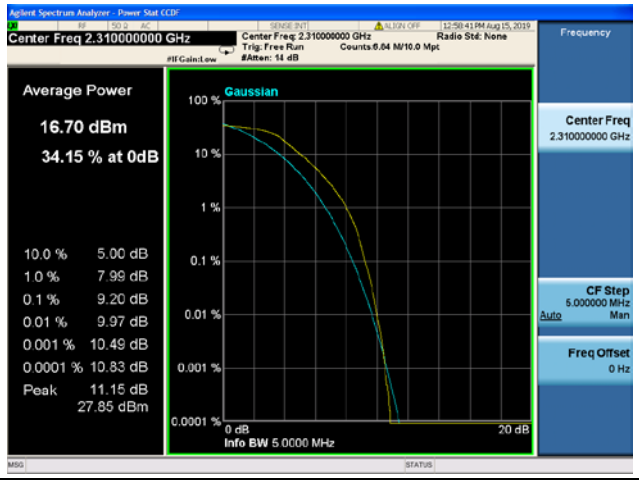


5MHz/16QAM/Low CH

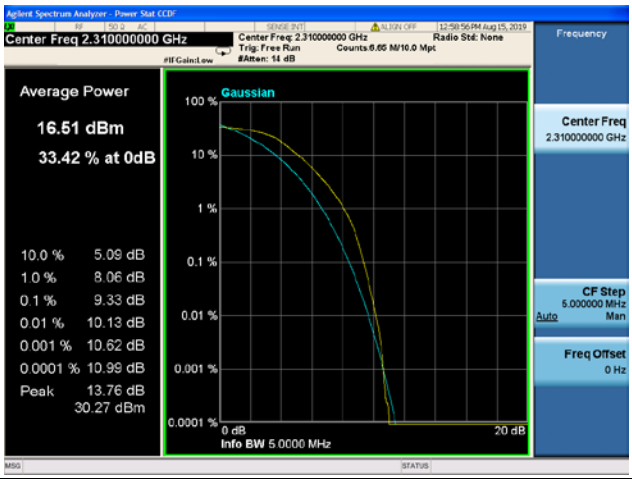
5MHz/64QAM/Low CH



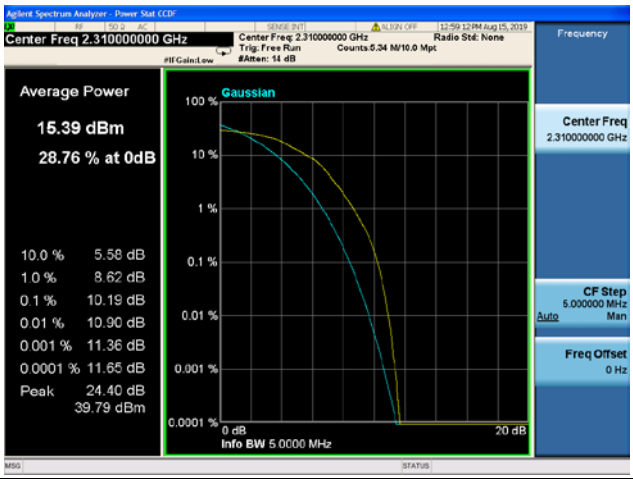
5MHz/QPSK/Mid CH



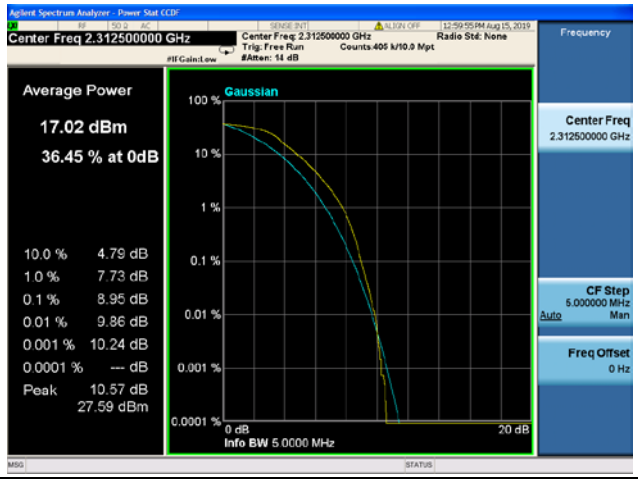
5MHz/16QAM/Mid CH



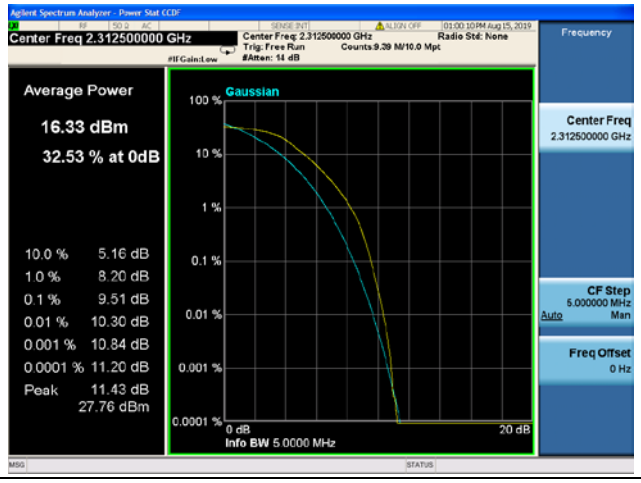
5MHz/64QAM/Mid CH



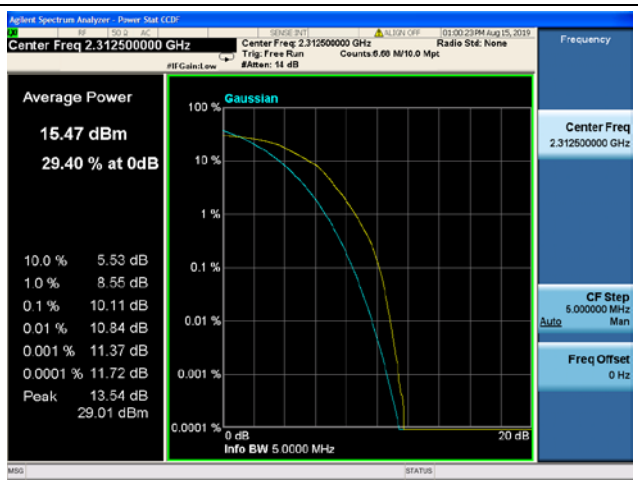
5MHz/QPSK/High CH



5MHz/16QAM/High CH

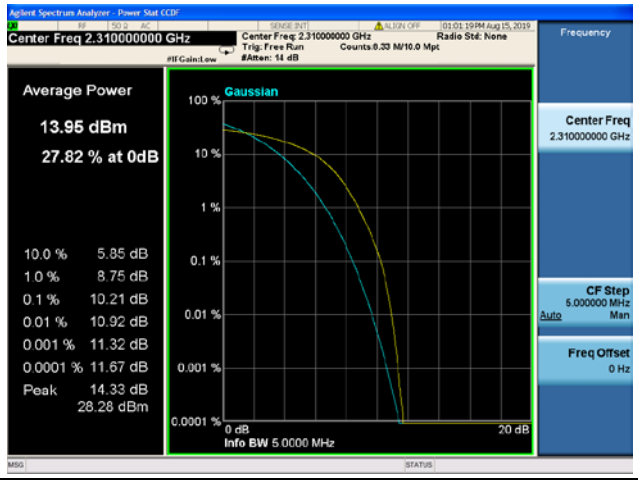


5MHz/64QAM/High CH

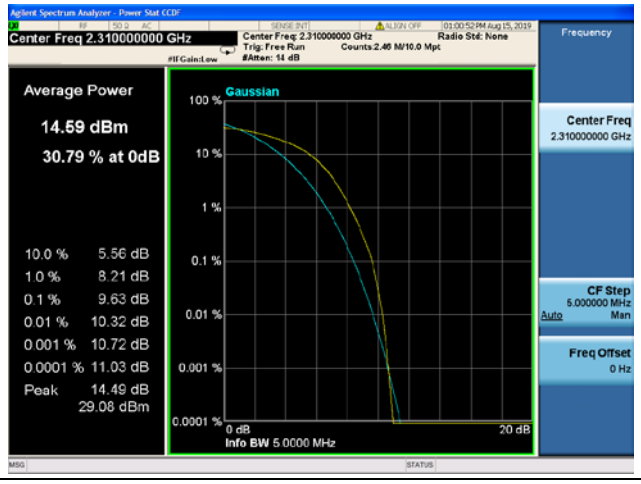


10MHz/QPSK/Mid CH

10MHz/16QAM/Mid CH

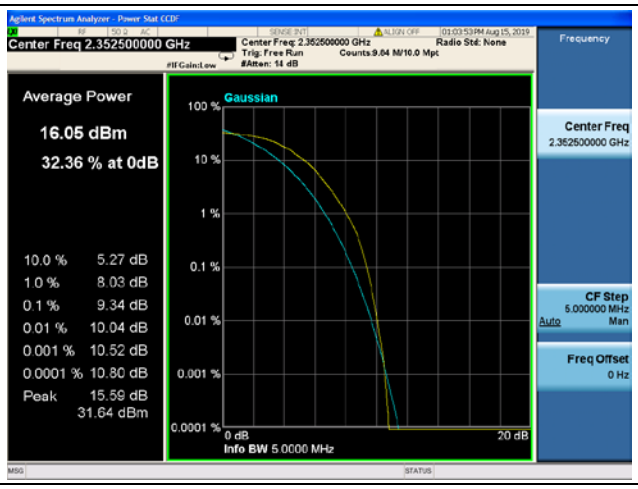


10MHz/64QAM/Mid CH



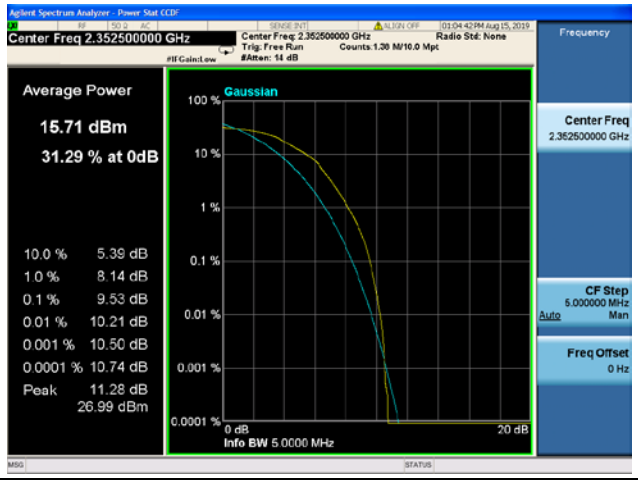
LTE Band 40(2305MHz ~ 2315MHz) Peak to Average Radio

5MHz/QPSK/Low CH

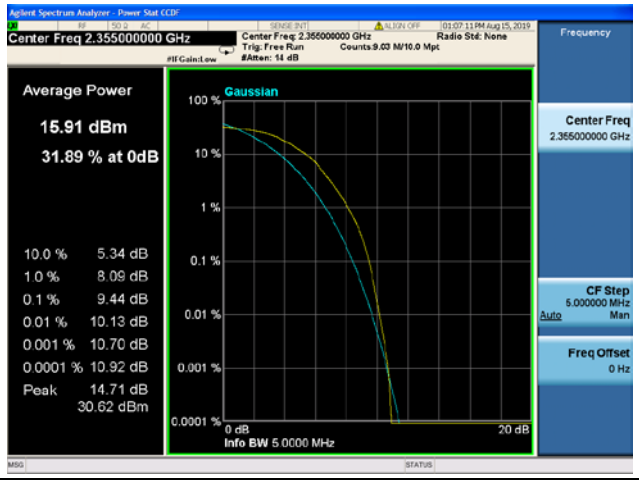


5MHz/16QAM/Low CH

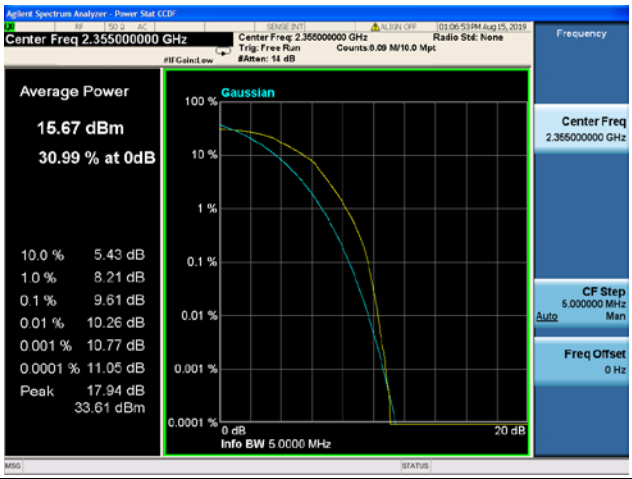
5MHz/64QAM/Low CH



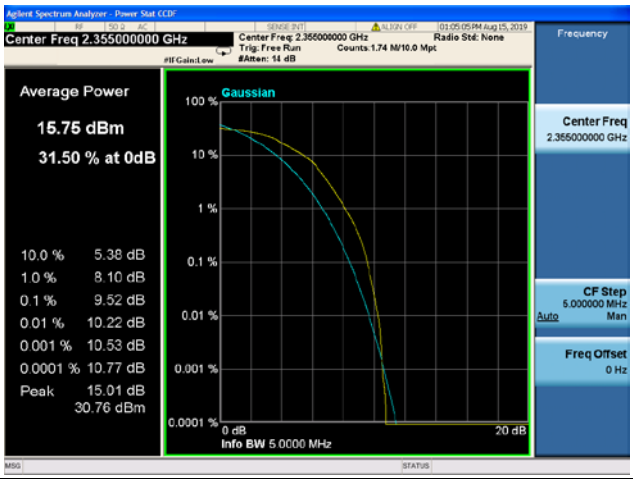
5MHz/QPSK/Mid CH



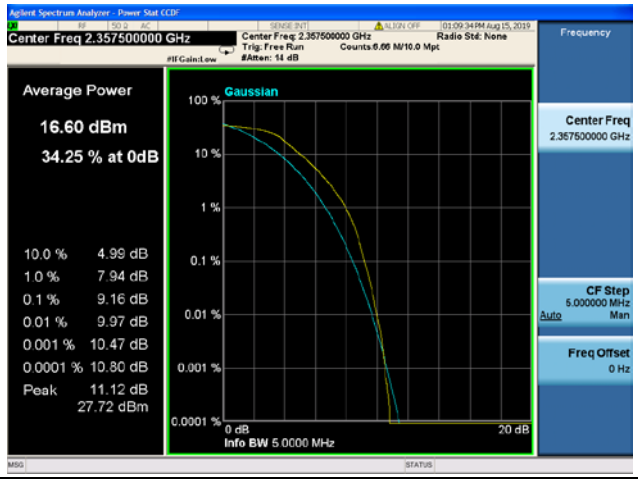
5MHz/16QAM/Mid CH



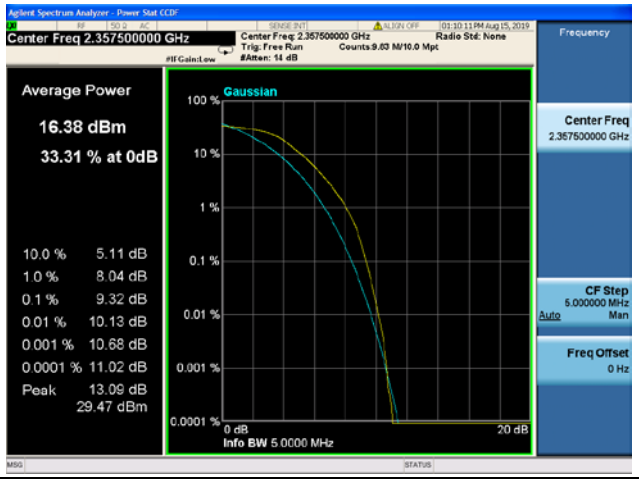
5MHz/64QAM/Mid CH



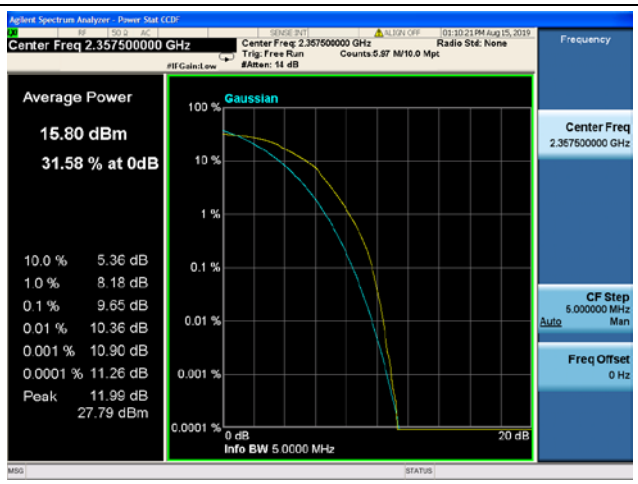
5MHz/QPSK/High CH



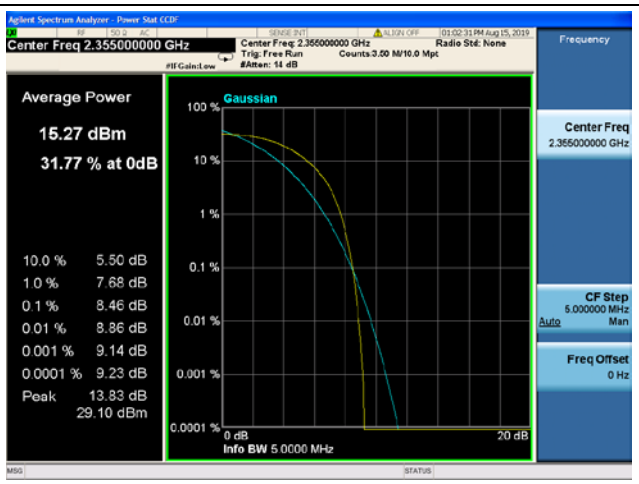
5MHz/16QAM/High CH



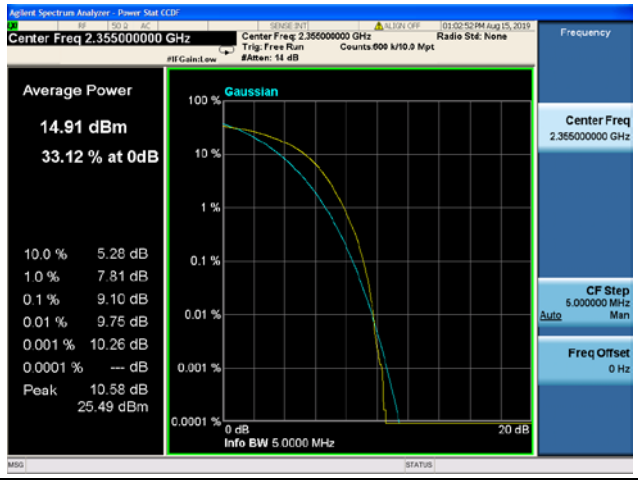
5MHz/64QAM/High CH



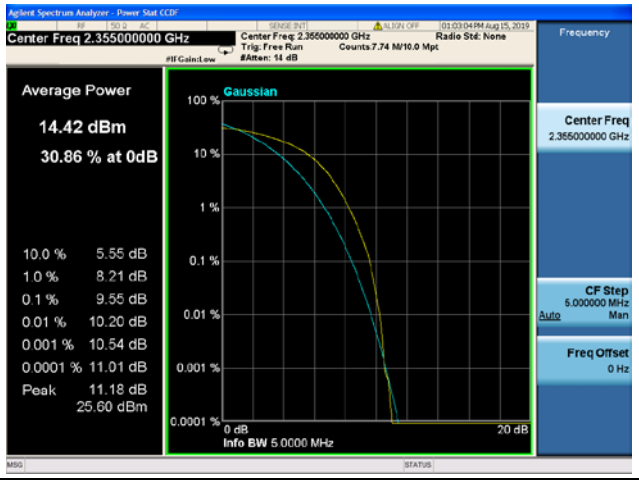
10MHz/QPSK/Mid CH



10MHz/16QAM/Mid CH



10MHz/64QAM/Mid CH

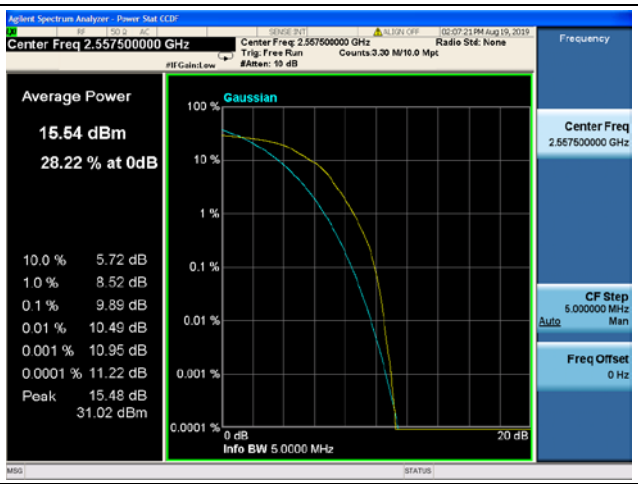


LTE Band 41,BW: 5MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
40265	2557.5	8.92	9.89	9.75
40740	2605	9.16	9.46	9.52
41215	2652.5	8.93	9.51	9.56
LTE Band 41,BW: 10MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
40290	2550	8.32	9.54	9.51
40740	2605	8.44	8.71	10.01
41190	2650	8.42	9.63	10.21
LTE Band 41,BW: 15MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
40315	2562.5	9.63	9.83	10.30
40740	2605	9.43	9.78	10.40
41165	2647.5	9.62	9.09	10.28
LTE Band 41,BW: 20MHz				
Channel	Frequency (MHz)	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
40340	2565	10.08	10.32	10.26
40740	2605	10.05	10.56	10.50
41140	2645	10.02	10.35	10.50

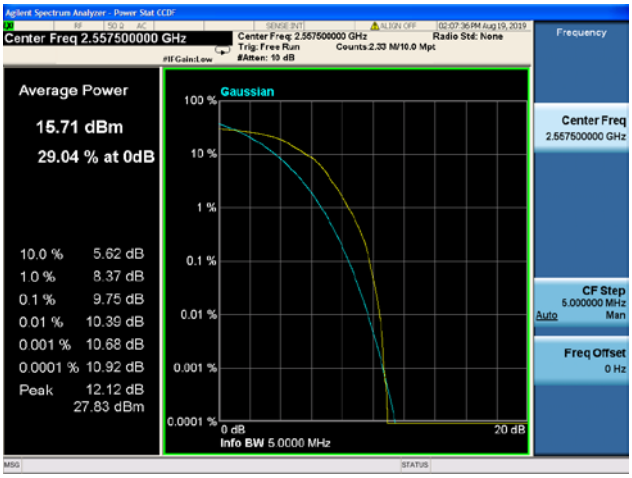
LTE Band 41 Peak to Average Radio

5MHz/QPSK/Low CH

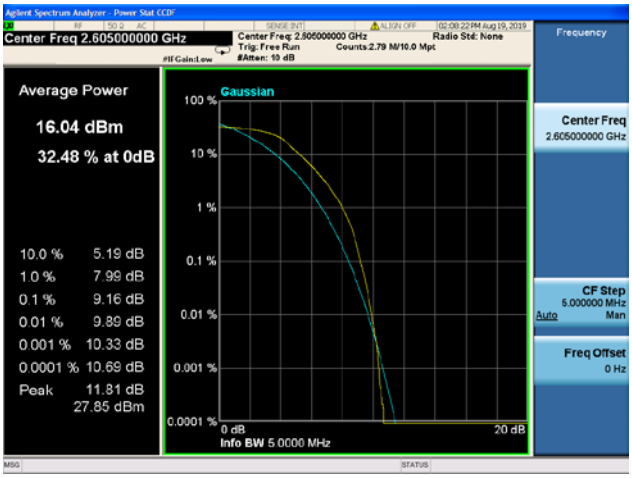
5MHz/16QAM/Low CH



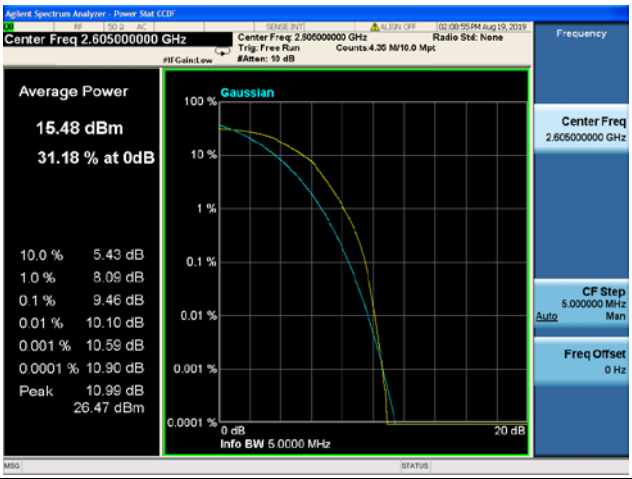
5MHz/64QAM/Low CH



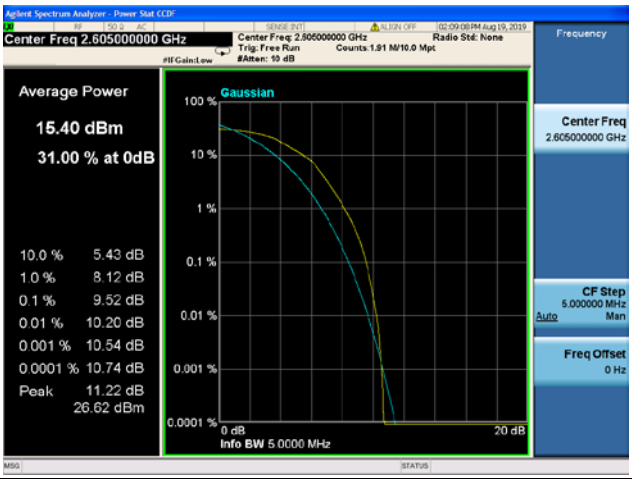
5MHz/QPSK/Mid CH



5MHz/16QAM/Mid CH



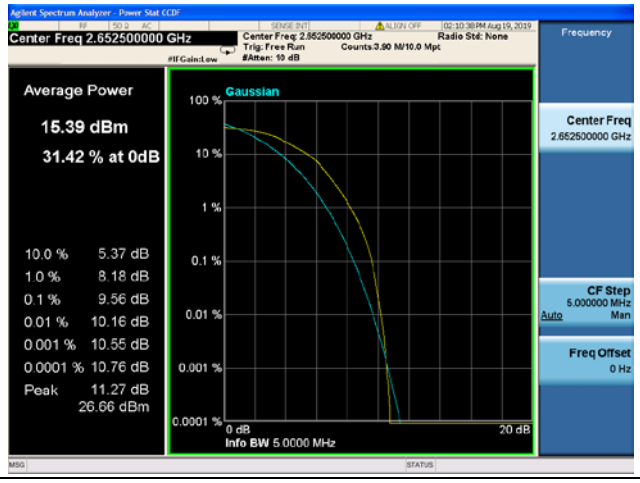
5MHz/64QAM/Mid CH



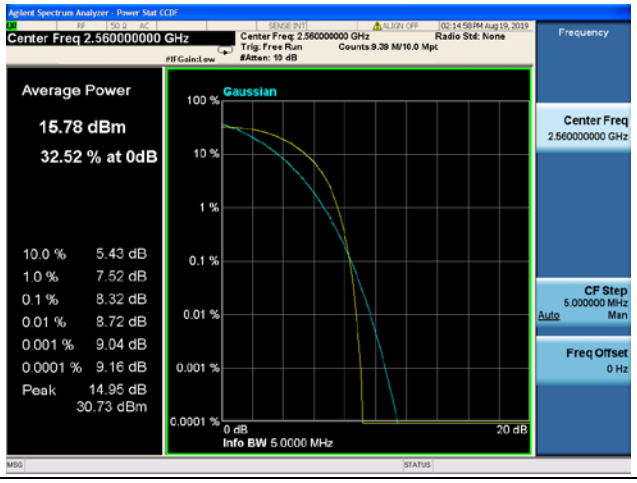
5MHz/QPSK/High CH

5MHz/16QAM/High CH

5MHz/64QAM/High CH



10MHz/QPSK/Low CH



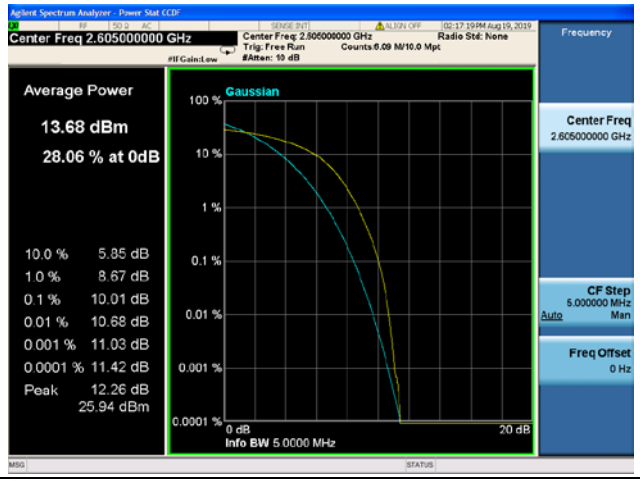
10MHz/16QAM/Low CH

10MHz/64QAM/Low CH

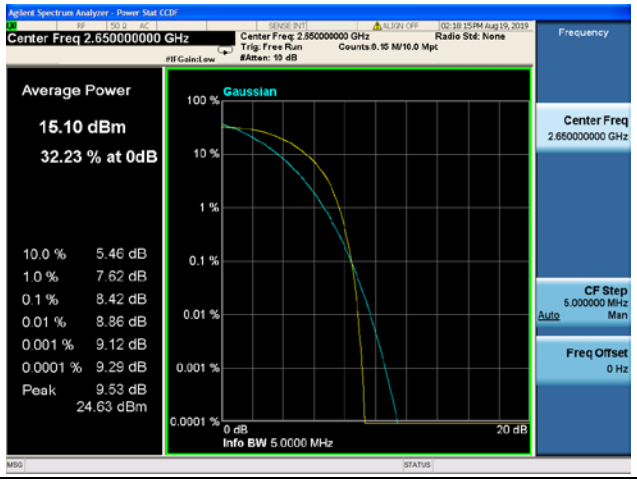
10MHz/QPSK/Mid CH

10MHz/16QAM/Mid CH

10MHz/64QAM/Mid CH



10MHz/QPSK/High CH



10MHz/16QAM/High CH

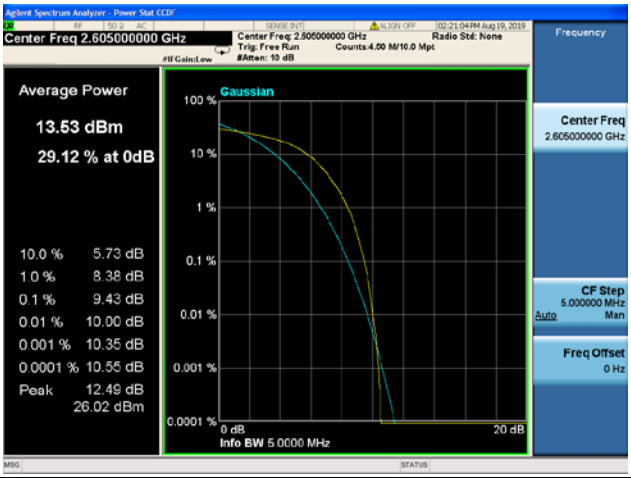
10MHz/64QAM/High CH

15MHz/QPSK/Low CH

15MHz/16QAM/Low CH

15MHz/64QAM/Low CH

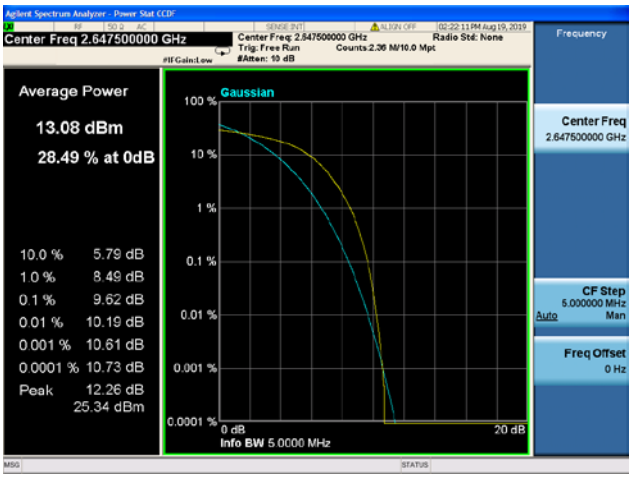
15MHz/QPSK/Mid CH



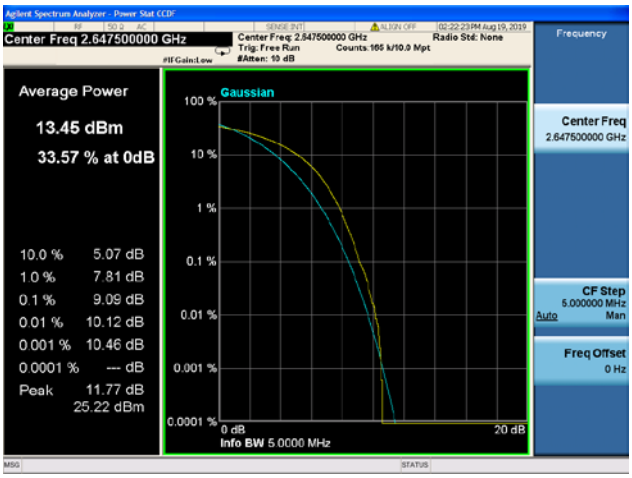
15MHz/16QAM/Mid CH

15MHz/64QAM/Mid CH

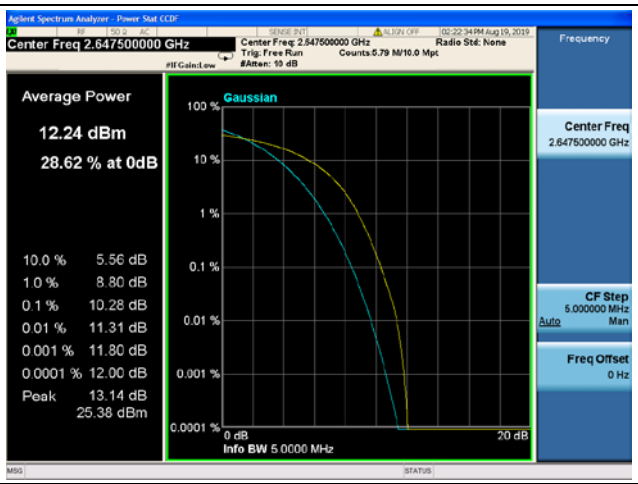
15MHz/QPSK/High CH



15MHz/16QAM/High CH

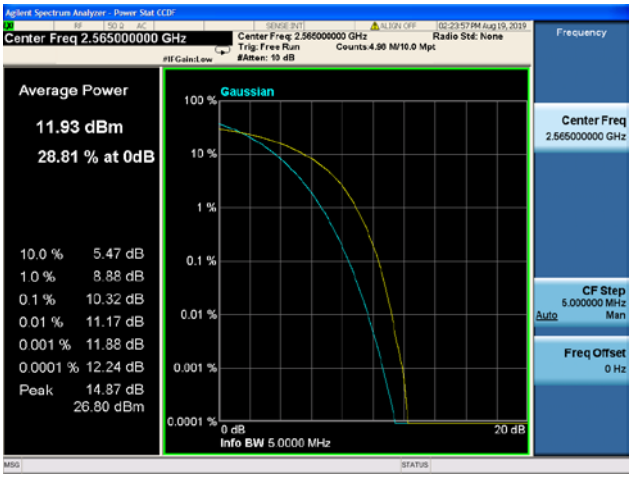


15MHz/64QAM/High CH

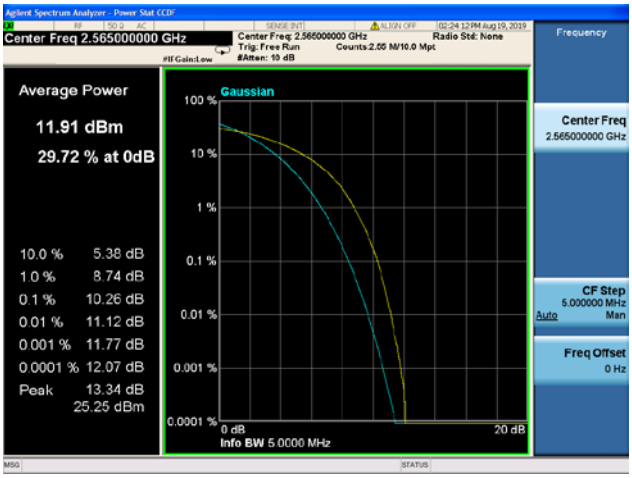


20MHz/QPSK/Low CH

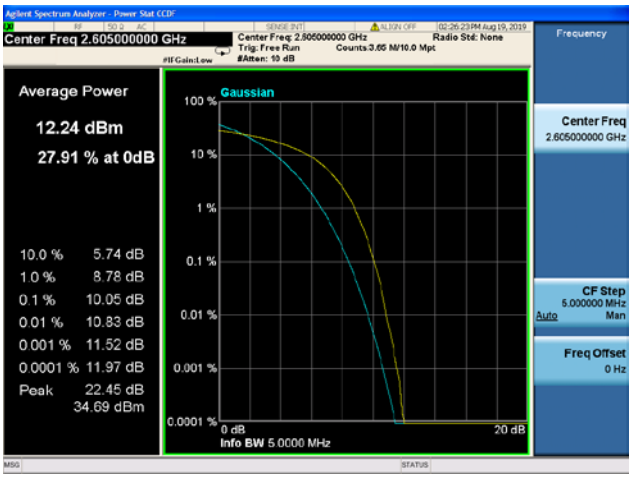
20MHz/16QAM/Low CH



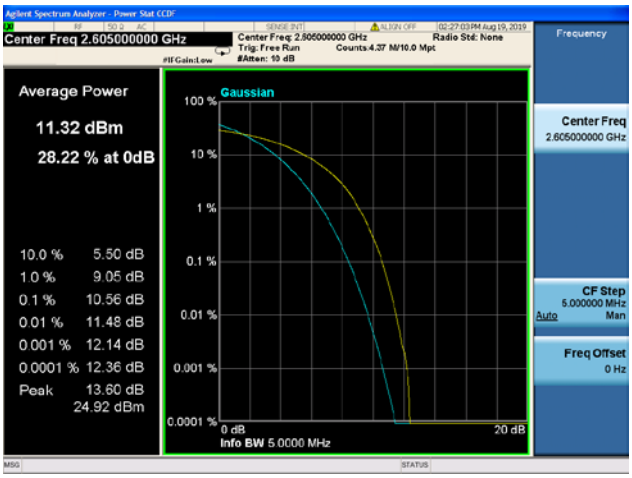
20MHz/64QAM/Low CH



20MHz/QPSK/Mid CH



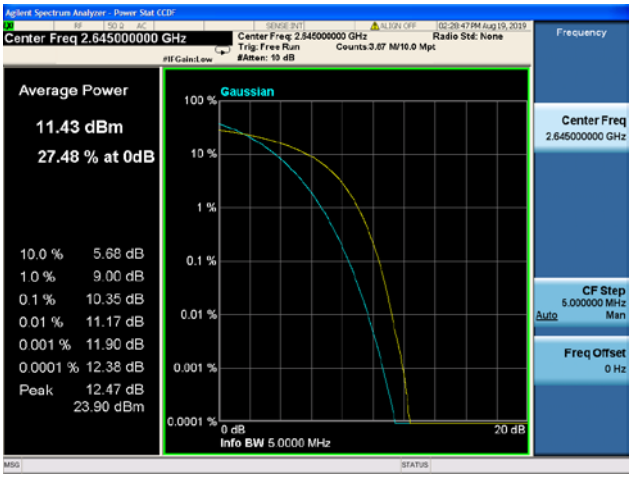
20MHz/16QAM/Mid CH



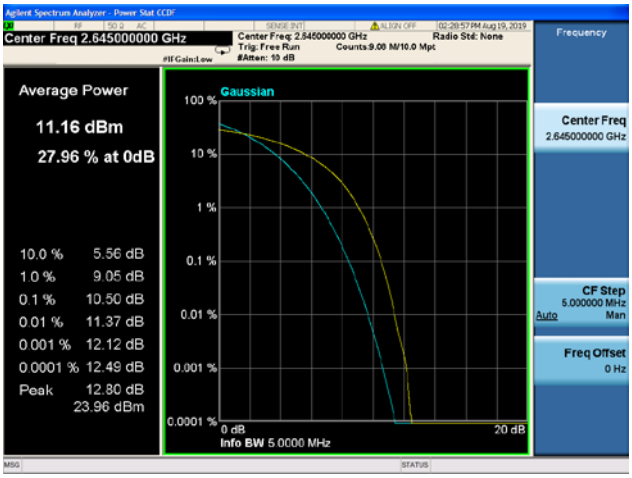
20MHz/64QAM/Mid CH

20MHz/QPSK/High CH

20MHz/16QAM/High CH



20MHz/64QAM/High CH



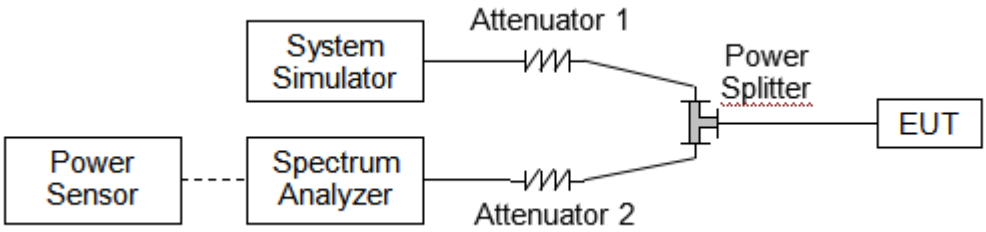
2.5. Conducted Spurious Emissions

2.5.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43+10*log(P)dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7:
The power of any emission outside of the authorized operating frequency ranges must beattenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. This calculated to be -25dBm.

2.5.2. Test Description

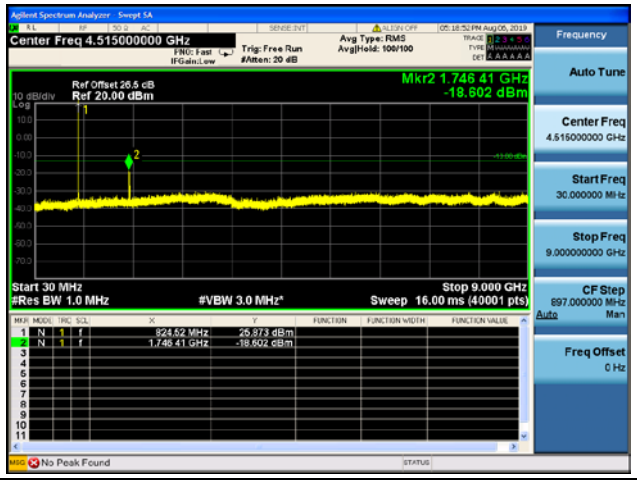
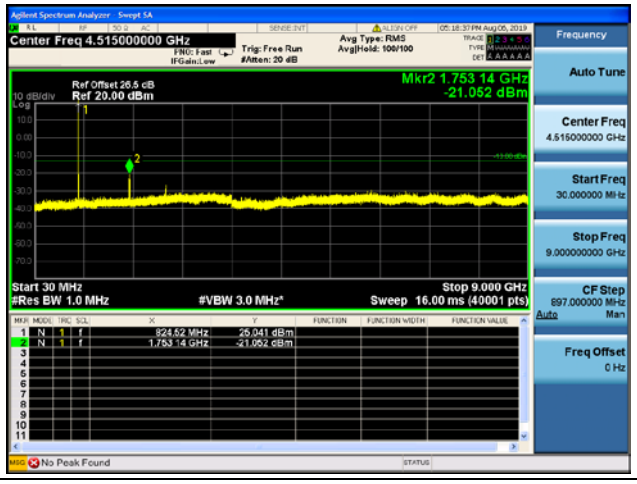
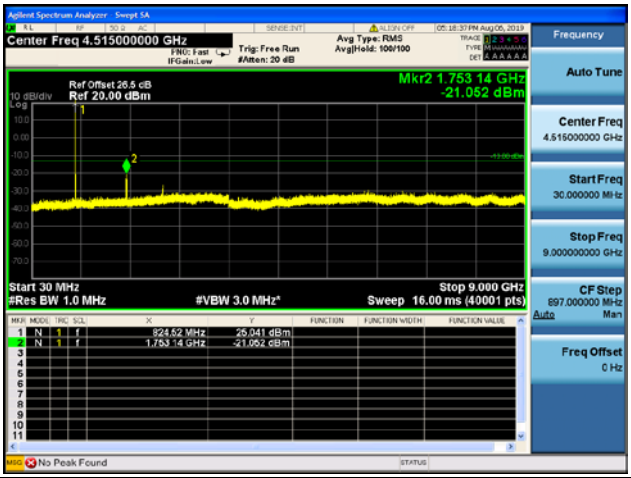
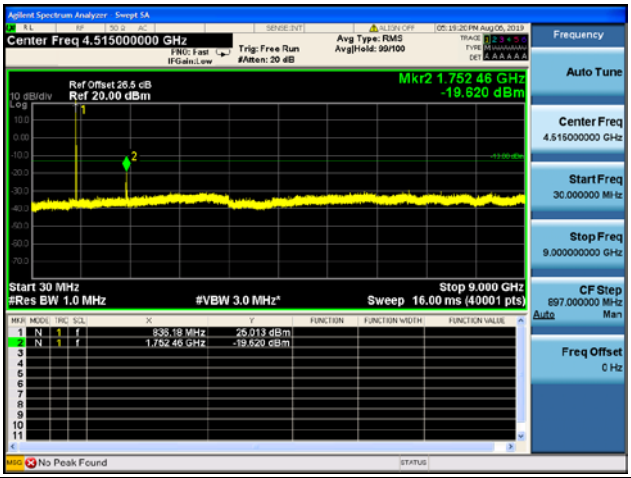


The EUTis coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.5.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result

LTE Band 5 CSE	
1.4MHz/QPSK/Low CH	**1.4MHz/16QAM/Low CH**
	
1.4MHz/64QAM/Low CH	**1.4MHz/QPSK/Mid CH**
	
1.4MHz/16QAM/Mid CH	**1.4MHz/64QAM/Mid CH**