



LTE Band 71 _ 99% Bandwidth & 26dB Bandwidth

20MHz / QPSK / Middle Channel



20MHz / 16QAM / Middle Channel



20MHz / 64QAM / Middle Channel



20MHz / QPSK / High Channel



20MHz / 16QAM / High Channel



20MHz / 64QAM / High Channel



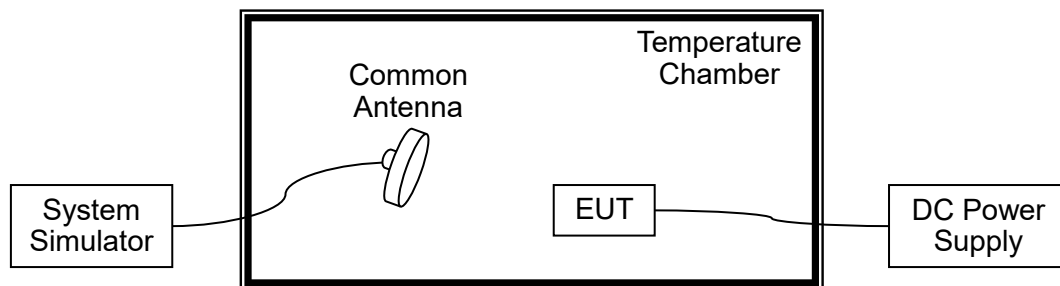
2.3. Frequency Stability

2.3.1. Requirement

According to FCC section 2.1055 & 27.54&24.235 & 22.355, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to $+50^{\circ}\text{C}$ at intervals of not more than 10°C .
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.



2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.85Vdc, 4.4 Vdc and 3.5 Vdc, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	22	0.0117	PASS
	-20	29	0.0154	
	-10	34	0.0181	
	0	28	0.0149	
	10	31	0.0165	
	20	27	0.0144	
	30	40	0.0213	
	40	35	0.0186	
50	41	0.0218		
4.4	20	23	0.0122	
3.5	20	38	0.0202	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	-15	-0.0087	PASS
	-20	-31	-0.0179	
	-10	-24	-0.0139	
	0	-22	-0.0127	
	10	-37	-0.0214	
	20	-30	-0.0173	
	30	-45	-0.0260	
	40	-38	-0.0219	
50	-44	-0.0254		
4.4	20	-29	-0.0167	
3.5	20	-42	-0.0242	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	30	0.0359	PASS
	-20	34	0.0406	
	-10	25	0.0299	
	0	37	0.0442	
	10	21	0.0251	
	20	29	0.0347	
	30	32	0.0383	
	40	44	0.0526	
	50	28	0.0335	
4.4	20	20	0.0239	
3.5	20	31	0.0371	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	37	0.0146	PASS
	-20	45	0.0178	
	-10	41	0.0162	
	0	49	0.0193	
	10	34	0.0134	
	20	29	0.0114	
	30	37	0.0146	
	40	42	0.0166	
	50	40	0.0158	
4.4	20	35	0.0138	
3.5	20	43	0.0170	



LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	51	0.0721	PASS
	-20	38	0.0537	
	-10	45	0.0636	
	0	49	0.0693	
	10	37	0.0523	
	20	32	0.0452	
	30	40	0.0565	
	40	43	0.0608	
	50	55	0.0777	
4.4	20	48	0.0678	
3.5	20	35	0.0495	

LTE Band 13, QPSK, Channel 23230, Frequency 782MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	45	0.0575	PASS
	-20	40	0.0512	
	-10	32	0.0409	
	0	51	0.0652	
	10	48	0.0614	
	20	53	0.0678	
	30	47	0.0601	
	40	55	0.0703	
	50	42	0.0537	
4.4	20	49	0.0627	
3.5	20	44	0.0563	



LTE Band 17, QPSK, Channel 23790, Frequency 710MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	43	0.0606	PASS
	-20	31	0.0437	
	-10	48	0.0676	
	0	45	0.0634	
	10	40	0.0563	
	20	49	0.0690	
	30	32	0.0451	
	40	38	0.0535	
	50	35	0.0493	
4.4	20	41	0.0577	
3.5	20	47	0.0662	

LTE Band 25, QPSK, Channel 26365, Frequency 1882.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	-52	-0.0276	PASS
	-20	-49	-0.0260	
	-10	-41	-0.0218	
	0	-56	-0.0297	
	10	-53	-0.0282	
	20	-44	-0.0234	
	30	-47	-0.0250	
	40	-50	-0.0266	
	50	-46	-0.0244	
4.4	20	-51	-0.0271	
3.5	20	-45	-0.0239	



LTE Band 26, QPSK, Channel 26865, Frequency 836.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	35	0.0418	PASS
	-20	30	0.0359	
	-10	37	0.0442	
	0	31	0.0371	
	10	34	0.0406	
	20	39	0.0466	
	30	32	0.0383	
	40	38	0.0454	
	50	45	0.0538	
4.4	20	41	0.0490	
3.5	20	48	0.0574	

LTE Band 41, QPSK, Channel 40620, Frequency 2593MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	-41	-0.0158	PASS
	-20	-56	-0.0216	
	-10	-48	-0.0185	
	0	-52	-0.0201	
	10	-60	-0.0231	
	20	-55	-0.0212	
	30	-53	-0.0204	
	40	-47	-0.0181	
	50	-49	-0.0189	
4.4	20	-40	-0.0154	
3.5	20	-46	-0.0177	



LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	-41	-0.0235	PASS
	-20	-49	-0.0281	
	-10	-52	-0.0298	
	0	-58	-0.0332	
	10	-45	-0.0258	
	20	-42	-0.0241	
	30	-50	-0.0287	
	40	-56	-0.0321	
	50	-48	-0.0275	
4.4	20	-52	-0.0298	
3.5	20	-64	-0.0367	

LTE Band 71, QPSK, Channel 133297, Frequency 680.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation	Result
			(ppm)	
3.85	-30	-30	-0.0158	PASS
	-20	-42	-0.0216	
	-10	-53	-0.0185	
	0	-58	-0.0201	
	10	-46	-0.0231	
	20	-37	-0.0212	
	30	-54	-0.0204	
	40	-39	-0.0181	
	50	-40	-0.0189	
4.4	20	-38	-0.0154	
3.5	20	-61	-0.0177	

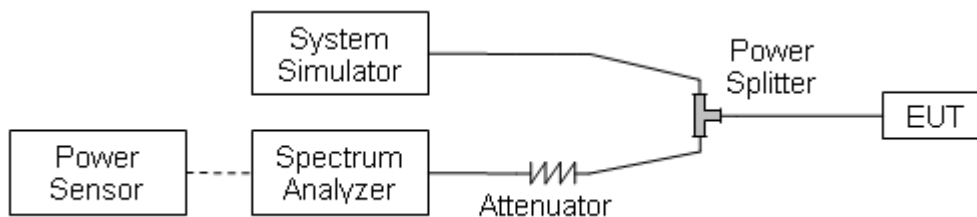
2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d) & 27.50(d)(5) & 22.913(d), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. Test Description

A. Test Set:



The EUT is 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.

2.4.3. Test procedure

KDB 971168 D01v03 Section 5.7 and ANSI/TIA-603-E-2016.

2.4.4. Test Result

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



LTE Band 2				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	4.84	5.57	5.62
	Middle	4.53	5.28	5.31
	High	4.74	5.57	5.60
3	Low	4.94	5.73	5.74
	Middle	4.70	5.51	5.54
	High	4.88	5.69	5.70
5	Low	5.02	5.71	5.73
	Middle	4.85	5.51	5.5
	High	5.04	5.73	5.73
10	Low	5.01	5.77	5.77
	Middle	4.82	5.53	5.52
	High	5.05	5.81	5.79
15	Low	5.29	5.87	5.87
	Middle	5.04	5.66	5.66
	High	5.32	5.90	5.91
20	Low	5.12	5.10	5.12
	Middle	4.87	4.88	4.88
	High	5.07	5.83	5.84



LTE Band 4				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	5.22	6.08	6.10
	Middle	5.39	6.14	6.16
	High	5.25	6.01	5.99
3	Low	5.34	6.13	6.16
	Middle	5.40	6.24	6.25
	High	5.24	6.03	6.06
5	Low	5.35	6.09	6.08
	Middle	5.51	6.24	6.23
	High	5.36	6.08	6.05
10	Low	5.34	6.13	6.15
	Middle	5.44	6.23	6.23
	High	5.34	6.07	6.07
15	Low	5.58	6.18	6.18
	Middle	5.69	6.27	6.27
	High	5.61	6.21	6.18
20	Low	5.31	6.09	6.13
	Middle	5.43	6.21	6.20
	High	5.41	6.15	6.14



LTE Band 5				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	5.06	5.90	5.89
	Middle	5.37	6.11	6.14
	High	5.28	5.99	6.01
3	Low	5.24	6.07	6.09
	Middle	5.45	6.26	6.26
	High	5.44	6.25	6.24
5	Low	5.44	6.11	6.11
	Middle	5.53	6.25	6.26
	High	5.54	6.30	6.26
10	Low	5.46	6.19	6.20
	Middle	5.49	6.26	6.27
	High	5.55	6.35	6.35

LTE Band 7				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
5	Low	5.81	6.46	6.63
	Middle	5.83	6.50	6.62
	High	5.89	6.49	6.66
10	Low	5.72	6.48	6.64
	Middle	5.83	6.48	6.60
	High	5.82	6.53	6.72
15	Low	6.08	6.54	6.61
	Middle	6.10	6.50	6.59
	High	6.19	6.60	6.67
20	Low	5.77	6.47	6.64
	Middle	5.73	6.43	6.59
	High	5.81	6.52	6.73



LTE Band 12				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	5.54	6.27	6.27
	Middle	5.52	6.36	6.38
	High	5.45	6.21	6.23
3	Low	5.59	6.33	6.38
	Middle	5.55	6.37	6.37
	High	5.56	6.35	6.36
5	Low	5.69	6.34	6.35
	Middle	5.72	6.40	6.39
	High	5.64	6.38	6.37
10	Low	5.69	6.38	6.39
	Middle	5.63	6.39	6.40
	High	5.56	6.37	6.37

LTE Band 13				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
5	Low	4.89	5.61	5.61
	Middle	5.07	5.74	5.74
	High	4.93	5.72	5.71
10	Low	/	/	/
	Middle	4.94	5.71	5.70
	High	/	/	/



LTE Band 17				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
5	Low	5.56	6.25	6.28
	Middle	5.54	6.22	6.23
	High	5.56	6.23	6.23
10	Low	5.53	6.29	6.28
	Middle	5.47	6.26	6.27
	High	5.46	6.21	6.22

LTE Band 25				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	4.97	5.68	5.65
	Middle	4.76	5.58	5.59
	High	4.76	5.54	5.53
3	Low	5.09	5.89	5.86
	Middle	4.94	5.72	5.73
	High	4.95	5.75	5.75
5	Low	5.19	5.88	5.88
	Middle	5.04	5.73	5.73
	High	5.11	5.80	5.78
10	Low	5.15	5.87	5.88
	Middle	5.02	5.74	5.74
	High	5.09	5.84	5.84
15	Low	5.38	5.96	5.96
	Middle	5.27	5.87	5.86
	High	5.37	5.95	5.95
20	Low	5.15	5.91	5.90
	Middle	5.10	5.79	5.80
	High	5.18	5.96	5.97



LTE Band 26				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	4.93	5.74	5.70
	Middle	5.26	6.12	6.09
	High	5.21	6.01	6.02
3	Low	5.12	5.91	5.91
	Middle	5.32	6.17	6.17
	High	5.38	6.20	6.21
5	Low	5.21	5.94	5.94
	Middle	5.36	6.13	6.13
	High	5.51	6.24	6.24
10	Low	5.38	6.17	6.13
	Middle	5.36	6.10	6.17
	High	5.47	6.28	6.28
15	Low	5.20	6.06	6.07
	Middle	5.18	6.06	6.07
	High	5.75	6.32	6.31



LTE Band 41				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
5	Low	8.99	9.48	9.73
	Middle	9.23	9.24	9.90
	High	9.02	9.63	9.43
10	Low	8.86	9.70	10.07
	Middle	8.94	9.68	10.33
	High	9.00	10.38	9.50
15	Low	9.04	9.99	9.46
	Middle	9.48	10.12	10.14
	High	9.22	9.80	9.82
20	Low	9.14	8.98	10.78
	Middle	9.02	9.67	9.84
	High	8.95	9.56	9.87

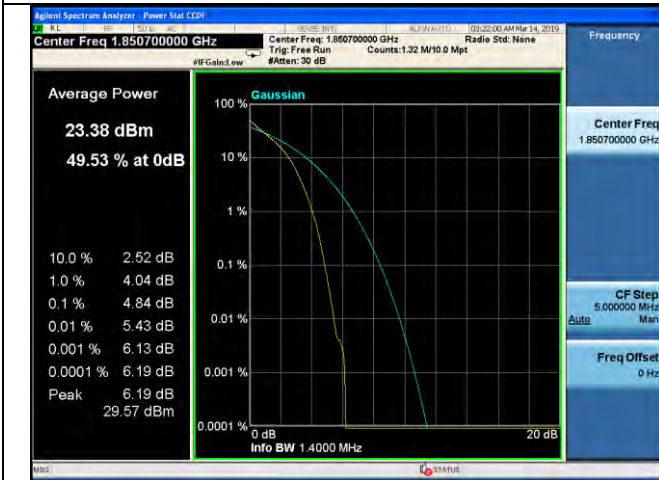


LTE Band 66				
Bandwidth (MHz)	Channel	Peak to Average Ratio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	5.38	6.15	6.18
	Middle	5.37	6.26	6.24
	High	5.12	5.91	5.92
3	Low	5.40	6.21	6.23
	Middle	5.49	6.28	6.30
	High	5.17	5.98	5.98
5	Low	5.52	6.23	6.23
	Middle	5.51	6.24	6.24
	High	5.31	6.00	6.00
10	Low	5.46	6.23	6.24
	Middle	5.51	6.25	6.24
	High	5.28	6.05	6.03
15	Low	5.72	6.29	6.29
	Middle	5.75	6.33	6.32
	High	5.57	6.16	6.16
20	Low	5.42	6.23	6.22
	Middle	5.55	6.25	6.26
	High	5.38	6.15	6.15

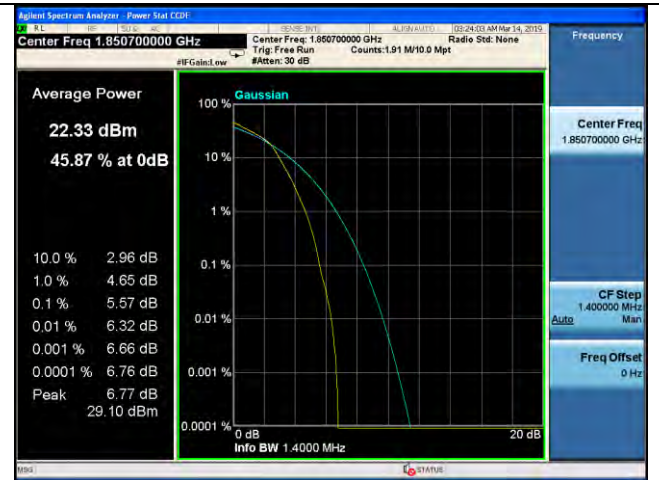


LTE Band 2 _ Peak-to-Average Ratio

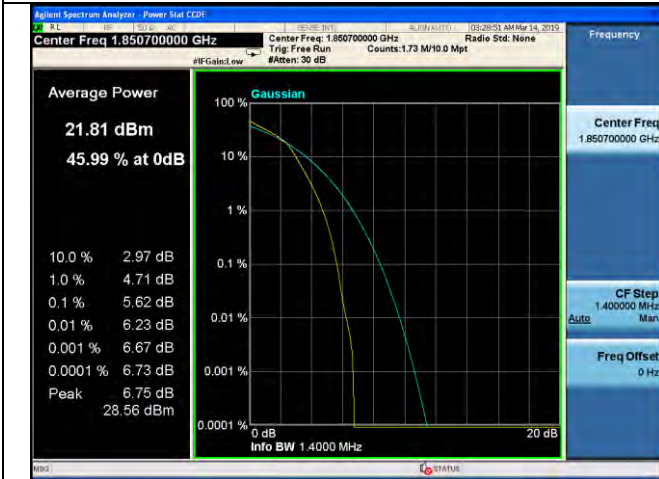
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1.4MHz / 16QAM / Low Channel



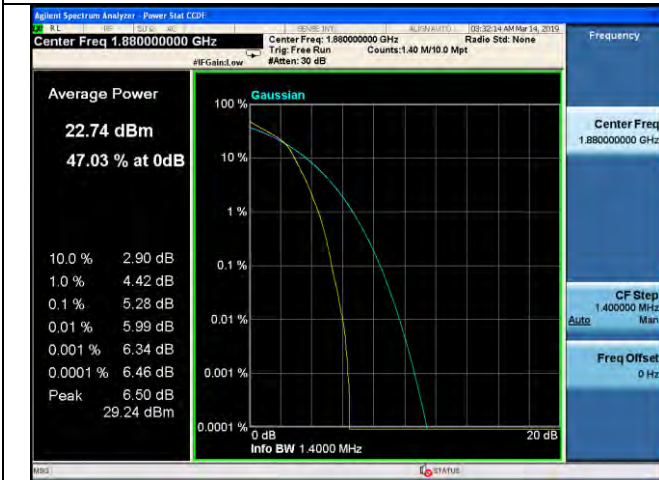
1.4MHz / 64QAM / Low Channel



1.4MHz / QPSK / Middle Channel



1.4MHz / 16QAM / Middle Channel



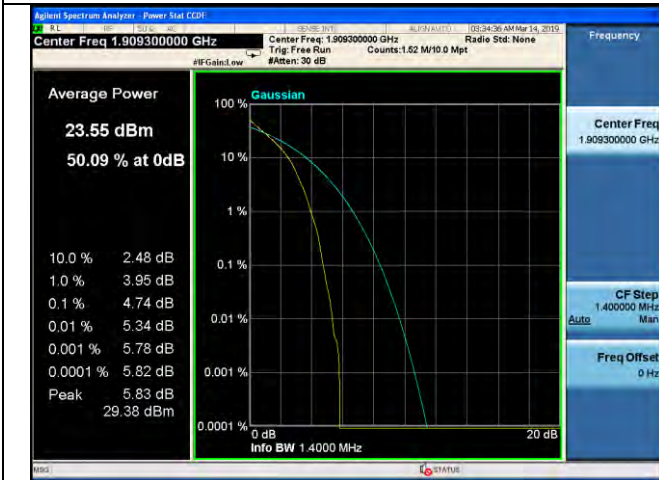
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LTE Band 2 _ Peak-to-Average Ratio

1.4MHz / QPSK / High Channel



1.4MHz / 16QAM / High Channel



1.4MHz / 64QAM / High Channel



3MHz / QPSK / Low Channel



3MHz / 16QAM / Low Channel



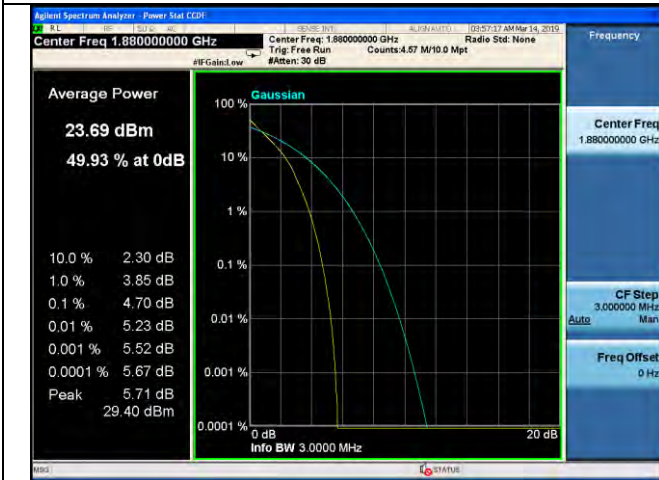
3MHz / 64QAM / Low Channel





LTE Band 2 _ Peak-to-Average Ratio

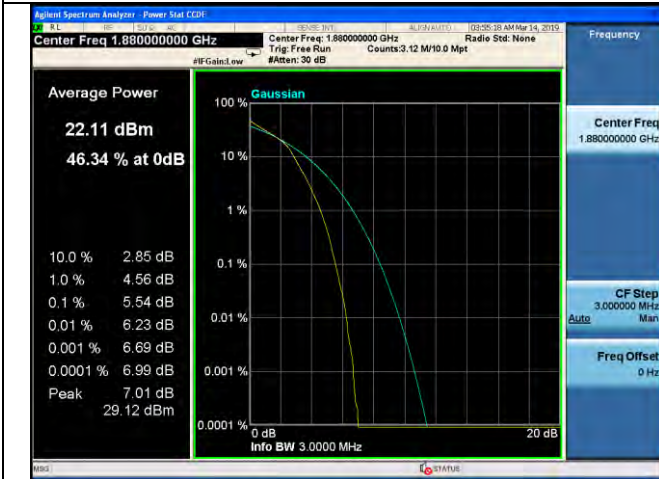
3MHz / QPSK / Middle Channel



3MHz / 16QAM / Middle Channel



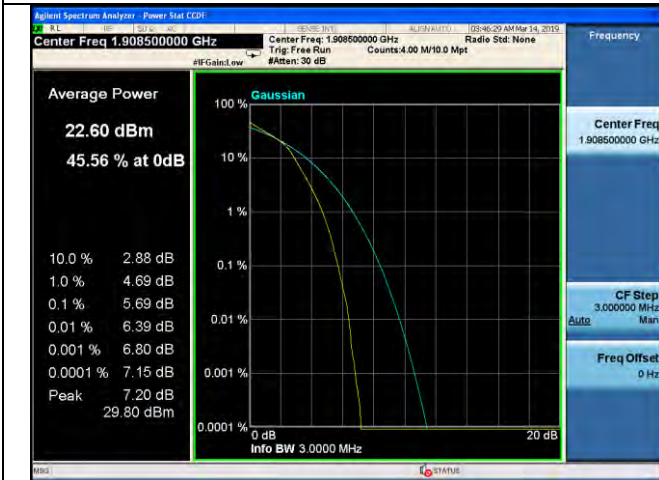
3MHz / 64QAM / Middle Channel



3MHz / QPSK / High Channel



3MHz / 16QAM / High Channel



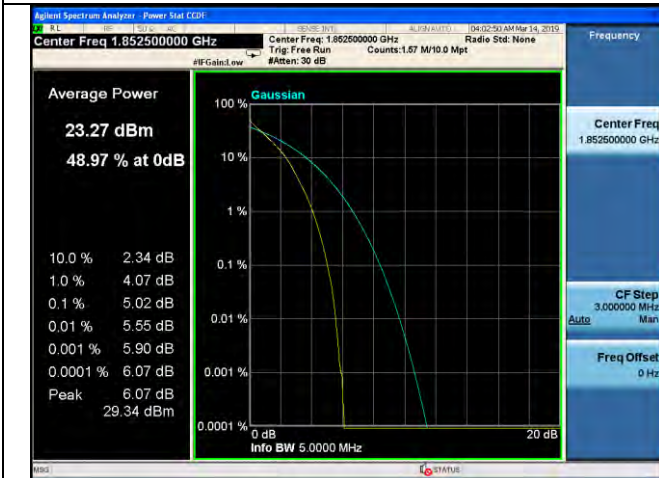
3MHz / 64QAM / High Channel



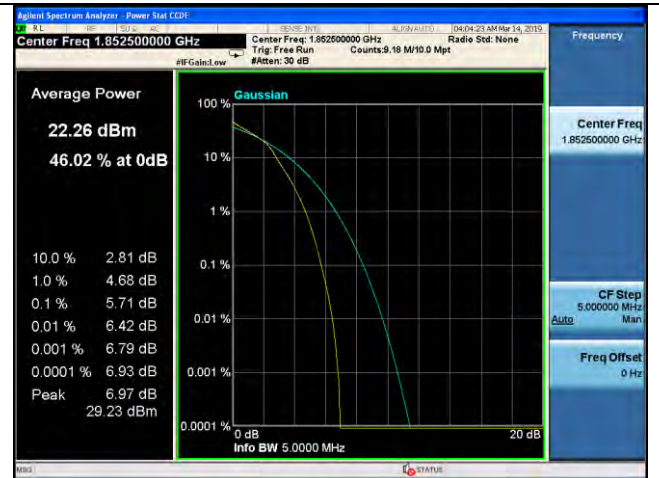


LTE Band 2 _ Peak-to-Average Ratio

5MHz / QPSK / Low Channel



5MHz / 16QAM / Low Channel



5MHz / 64QAM / Low Channel



5MHz / QPSK / Middle Channel



5MHz / 16QAM / Middle Channel



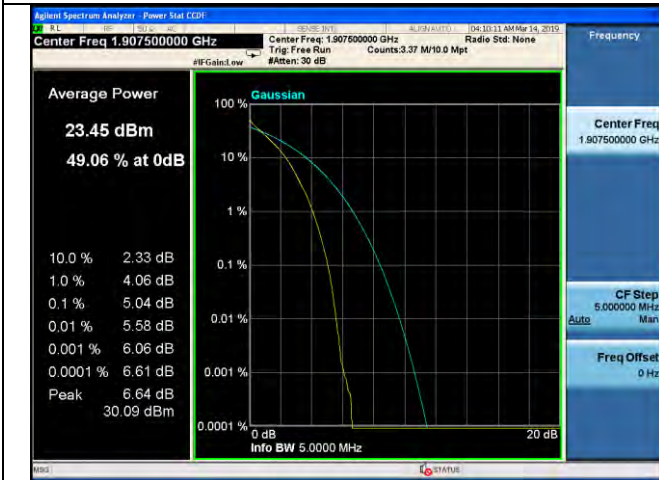
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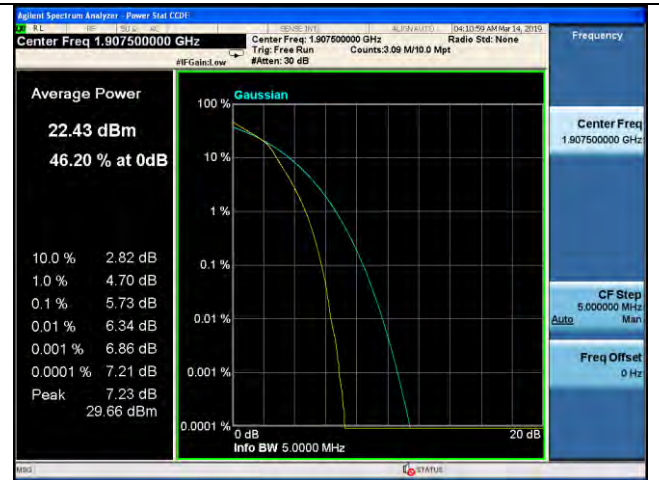


LTE Band 2 _ Peak-to-Average Ratio

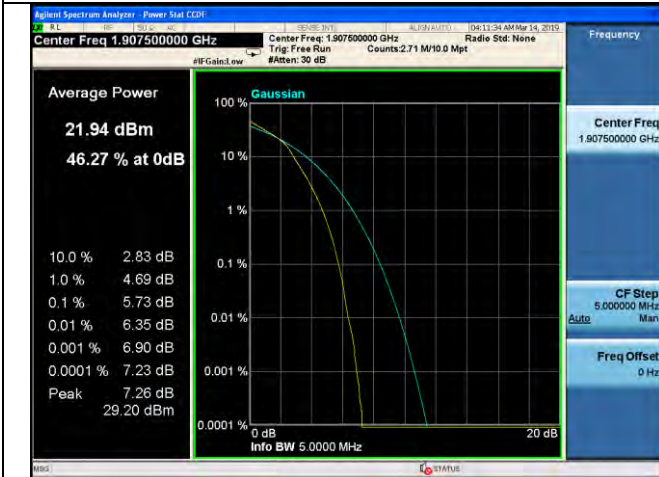
5MHz / QPSK / High Channel



5MHz / 16QAM / High Channel



5MHz / 64QAM / High Channel



10MHz / QPSK / Low Channel



10MHz / 16QAM / Low Channel



10MHz / 64QAM / Low Channel





LTE Band 2 _ Peak-to-Average Ratio

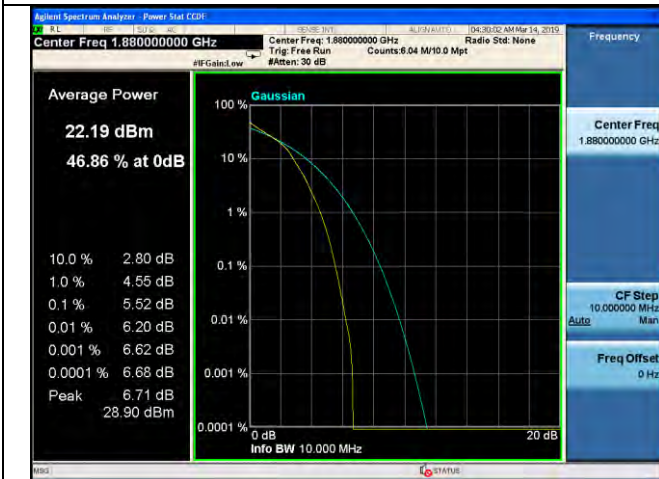
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10MHz / 16QAM / Middle Channel



10MHz / 64QAM / Middle Channel



10MHz / QPSK / High Channel



10MHz / 16QAM / High Channel



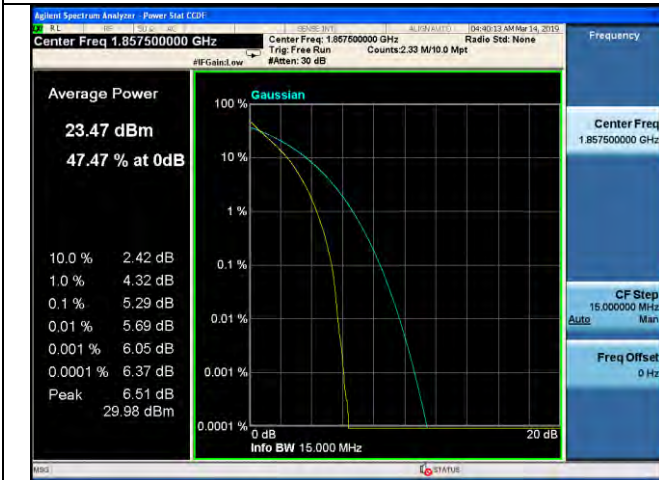
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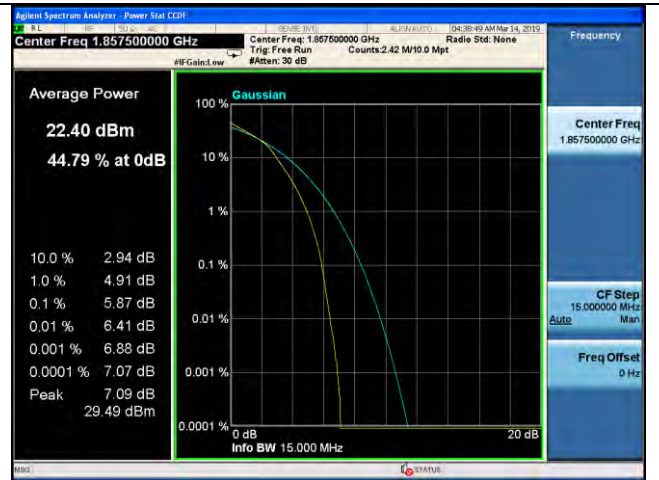


LTE Band 2 _ Peak-to-Average Ratio

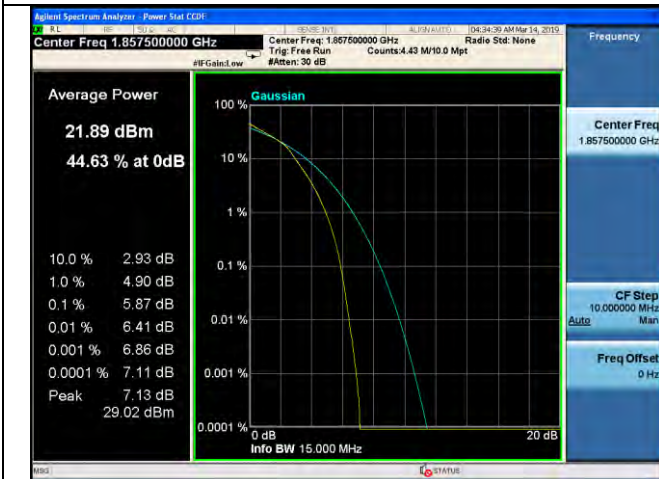
15MHz / QPSK / Low Channel



15MHz / 16QAM / Low Channel



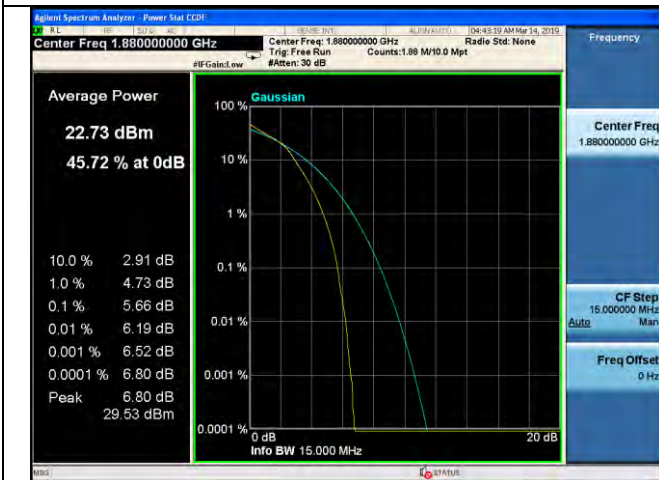
15MHz / 64QAM / Low Channel



15MHz / QPSK / Middle Channel



15MHz / 16QAM / Middle Channel



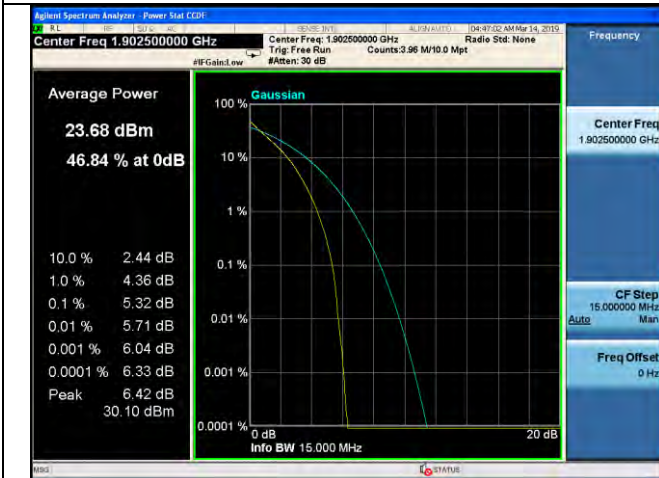
15MHz / 64QAM / Middle Channel





LTE Band 2 _ Peak-to-Average Ratio

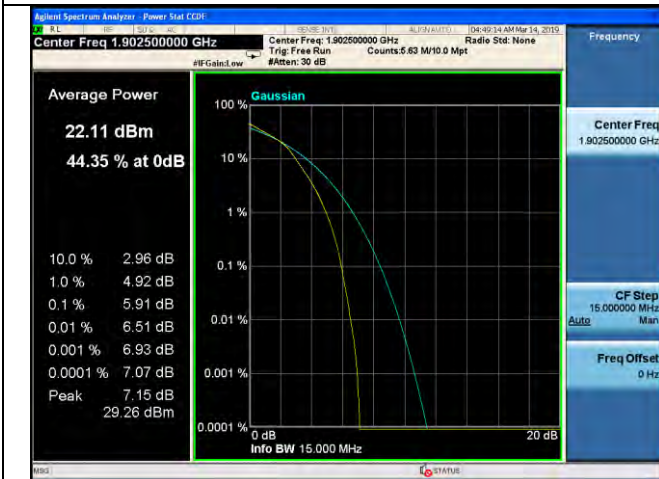
15MHz / QPSK / High Channel



15MHz / 16QAM / High Channel



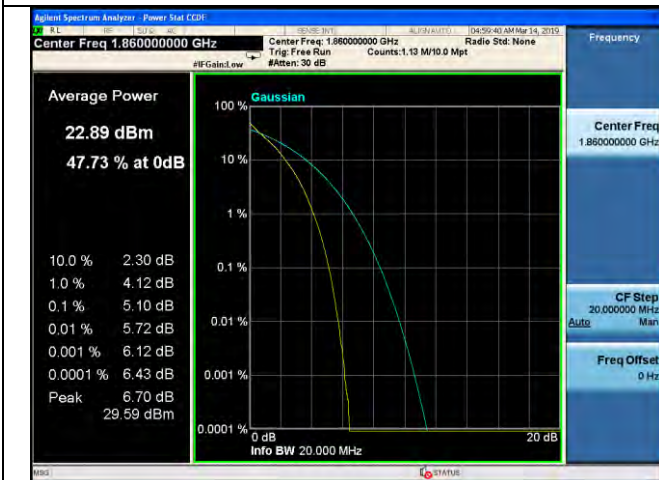
15MHz / 64QAM / High Channel



20MHz / QPSK / Low Channel



20MHz / 16QAM / Low Channel



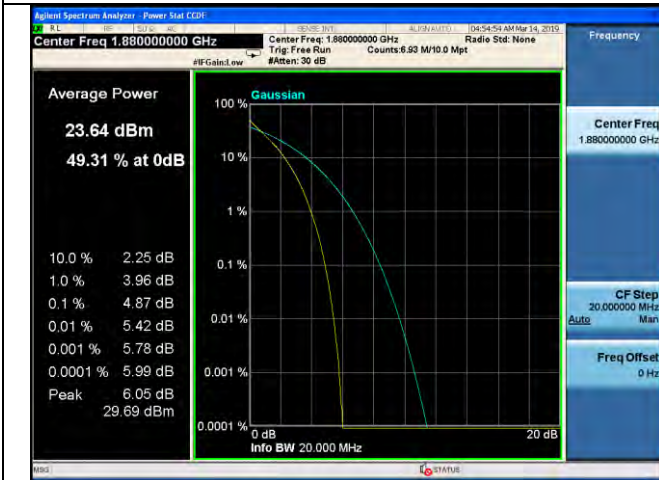
20MHz / 64QAM / Low Channel



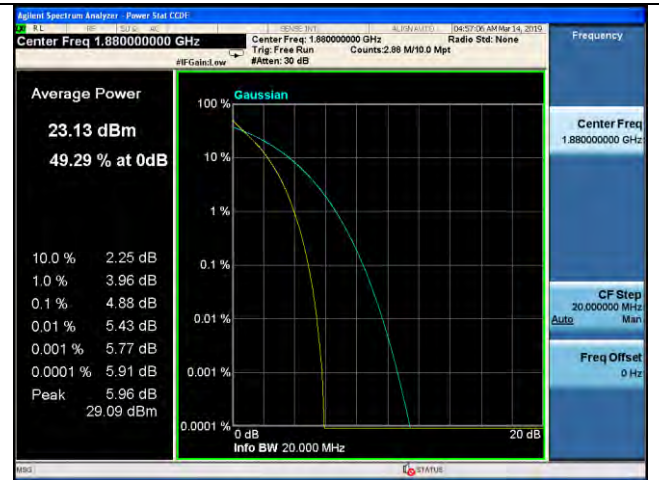


LTE Band 2 _ Peak-to-Average Ratio

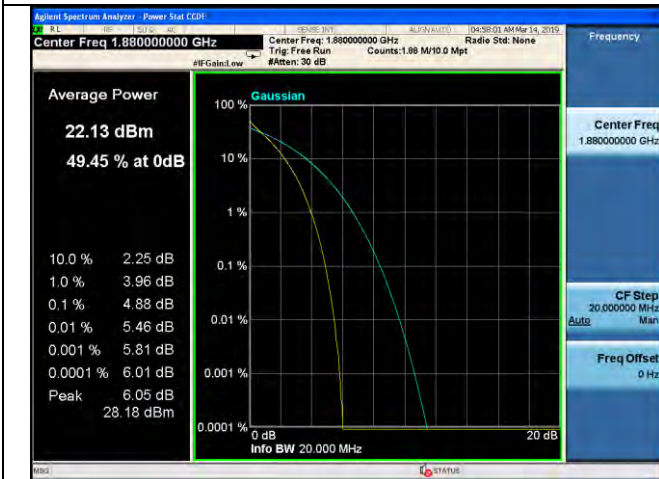
20MHz / QPSK / Middle Channel



20MHz / 16QAM / Middle Channel



20MHz / 64QAM / Middle Channel



20MHz / QPSK / High Channel



20MHz / 16QAM / High Channel



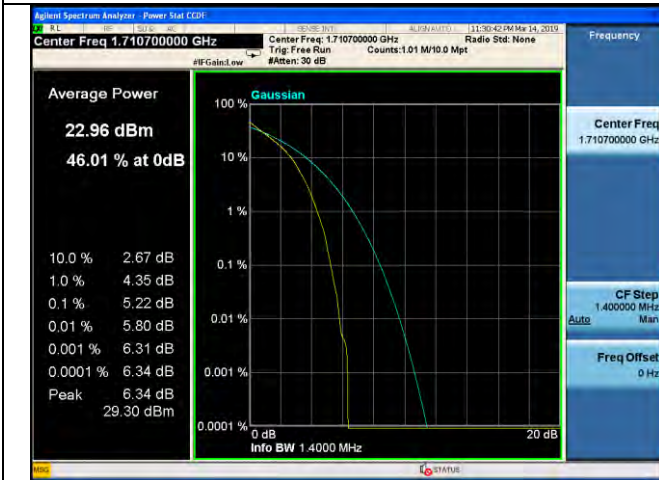
20MHz / 64QAM / High Channel





LTE Band 4 _ Peak-to-Average Ratio

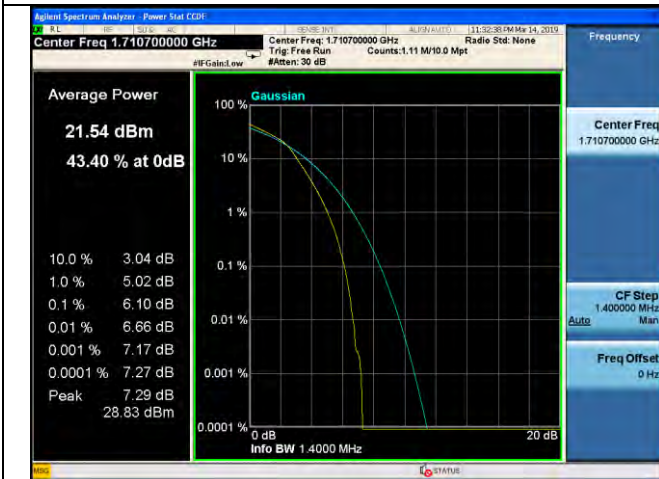
1.4MHz / QPSK / Low Channel



1.4MHz / 16QAM / Low Channel



1.4MHz / 64QAM / Low Channel



1.4MHz / QPSK / Middle Channel



1.4MHz / 16QAM / Middle Channel



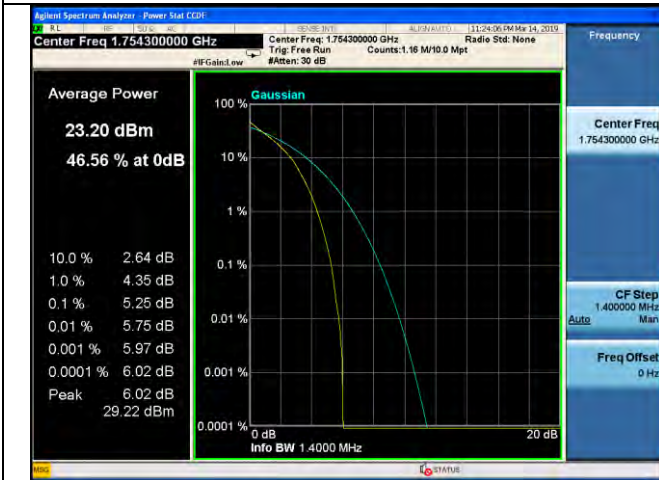
1.4MHz / 64QAM / Middle Channel





LTE Band 4 _ Peak-to-Average Ratio

1.4MHz / QPSK / High Channel



1.4MHz / 16QAM / High Channel



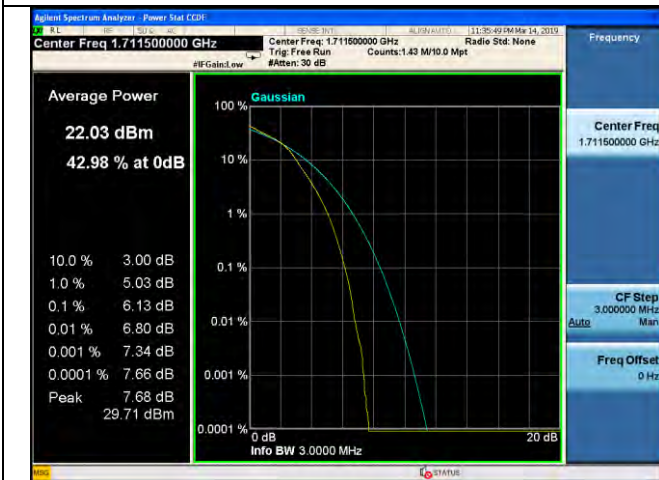
1.4MHz / 64QAM / High Channel



3MHz / QPSK / Low Channel



3MHz / 16QAM / Low Channel



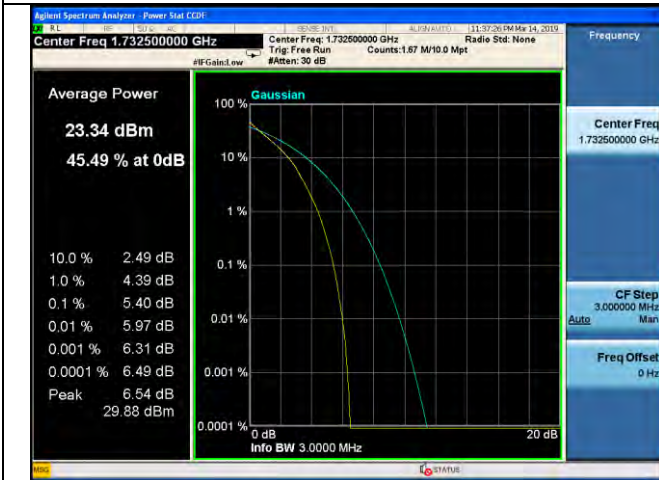
3MHz / 64QAM / Low Channel



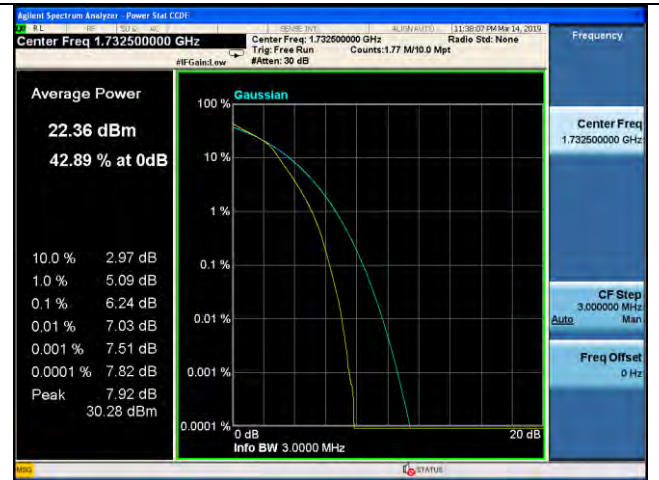


LTE Band 4 _ Peak-to-Average Ratio

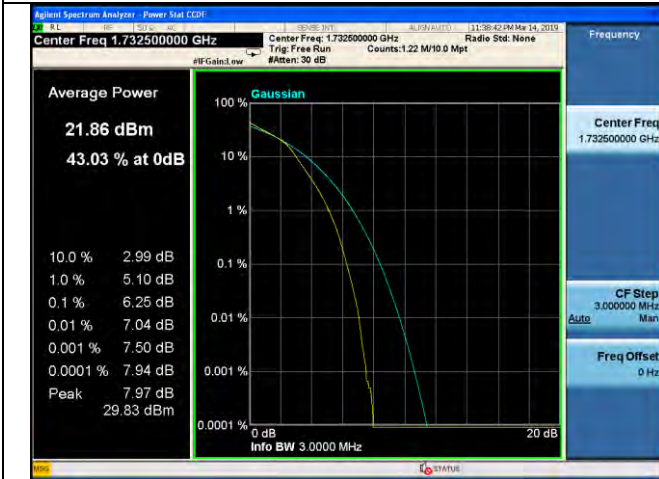
3MHz / QPSK / Middle Channel



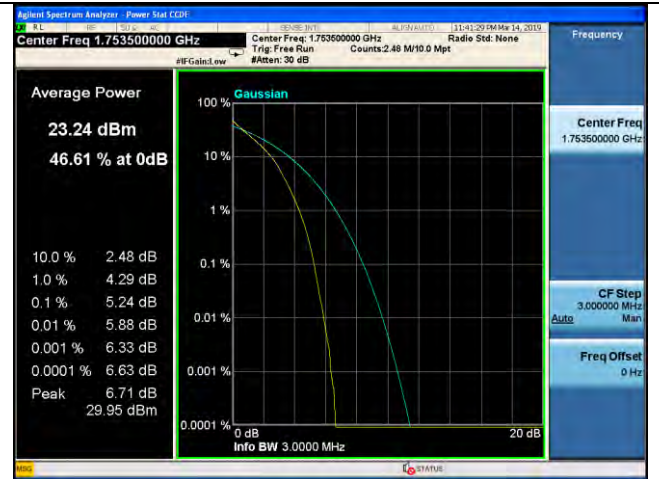
3MHz / 16QAM / Middle Channel



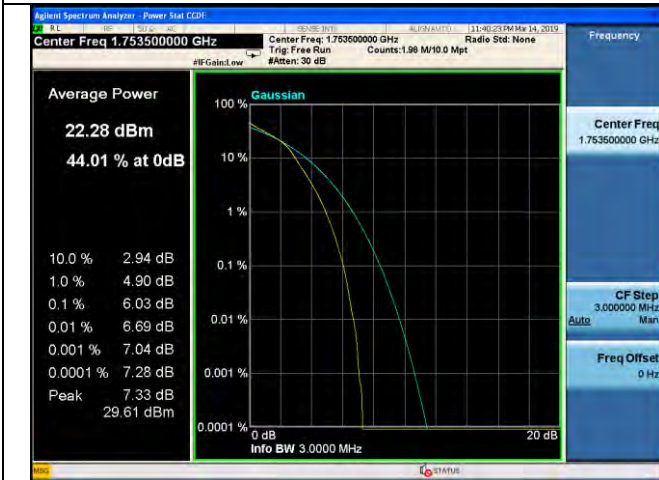
3MHz / 64QAM / Middle Channel



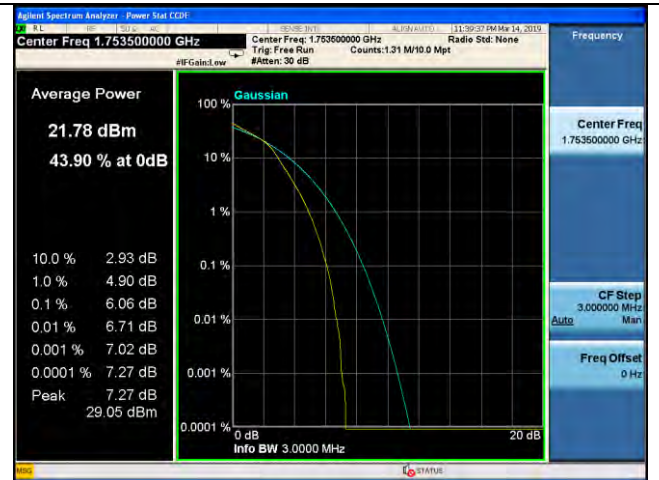
3MHz / QPSK / High Channel



3MHz / 16QAM / High Channel



3MHz / 64QAM / High Channel



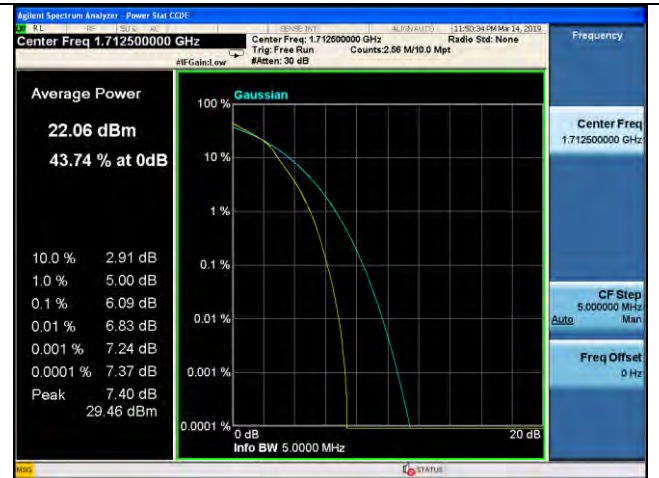


LTE Band 4 _ Peak-to-Average Ratio

5MHz / QPSK / Low Channel



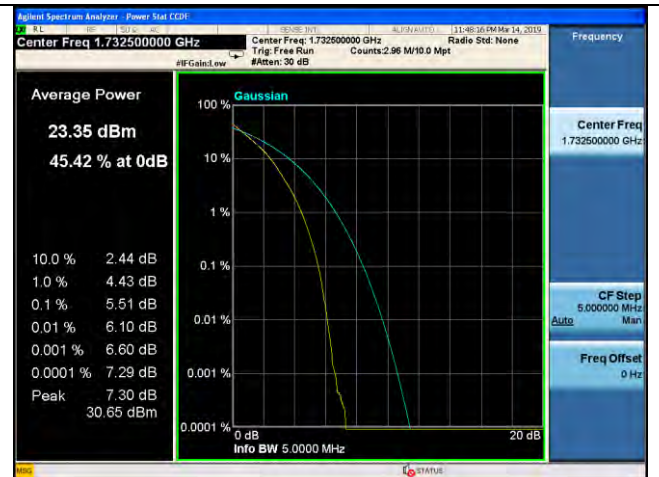
5MHz / 16QAM / Low Channel



5MHz / 64QAM / Low Channel



5MHz / QPSK / Middle Channel



5MHz / 16QAM / Middle Channel



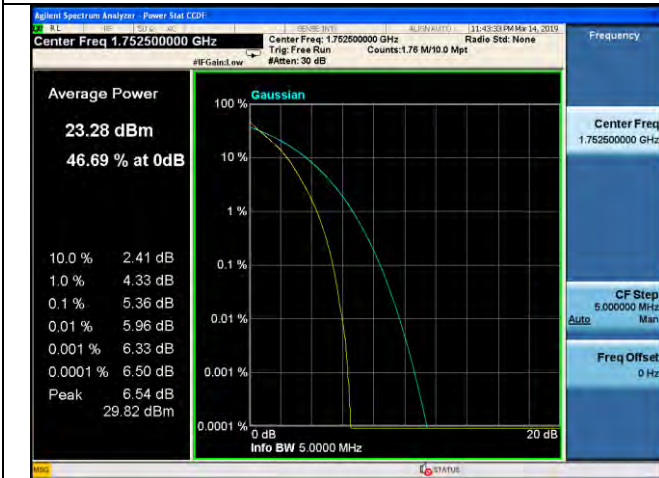
5MHz / 64QAM / Middle Channel





LTE Band 4 _ Peak-to-Average Ratio

5MHz / QPSK / High Channel



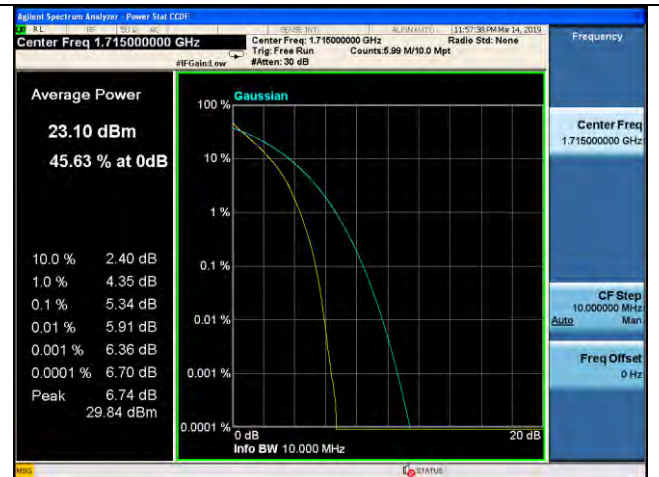
5MHz / 16QAM / High Channel



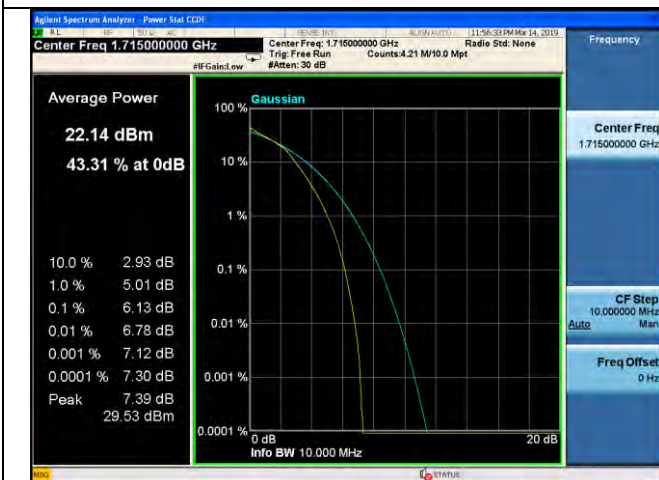
5MHz / 64QAM / High Channel



10MHz / QPSK / Low Channel



10MHz / 16QAM / Low Channel



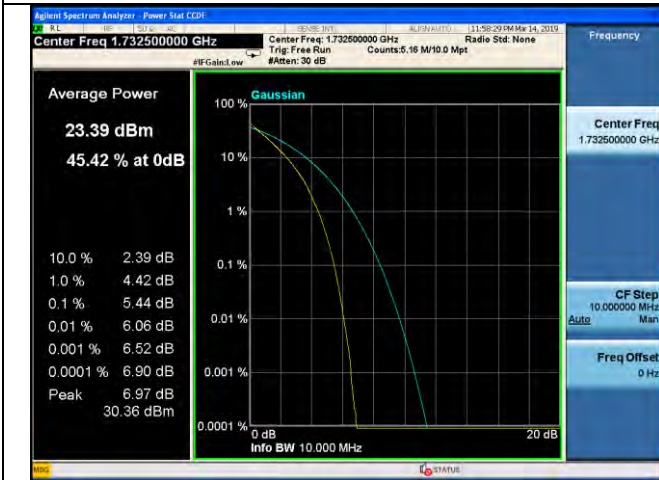
10MHz / 64QAM / Low Channel



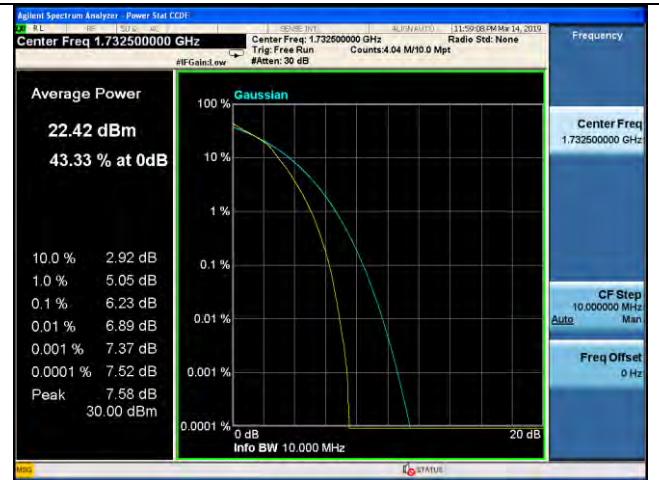


LTE Band 4 _ Peak-to-Average Ratio

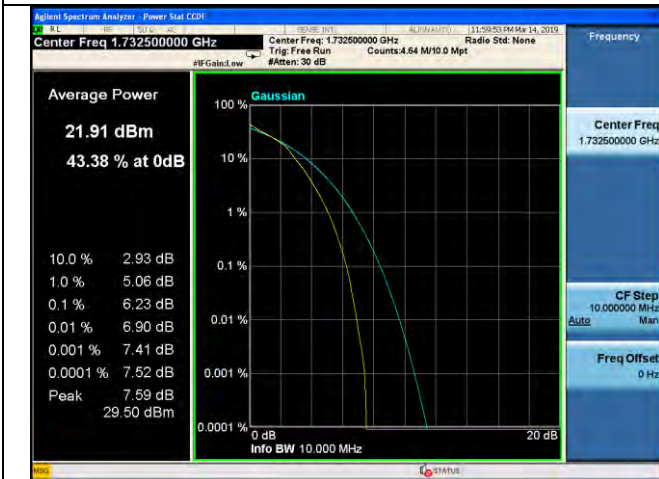
10MHz / QPSK / Middle Channel



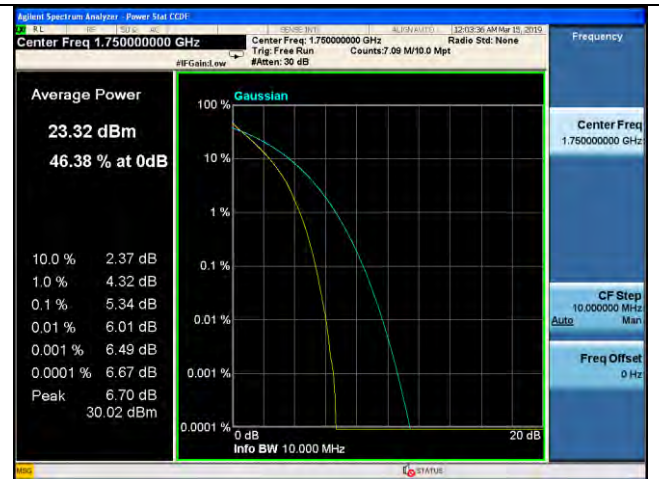
10MHz / 16QAM / Middle Channel



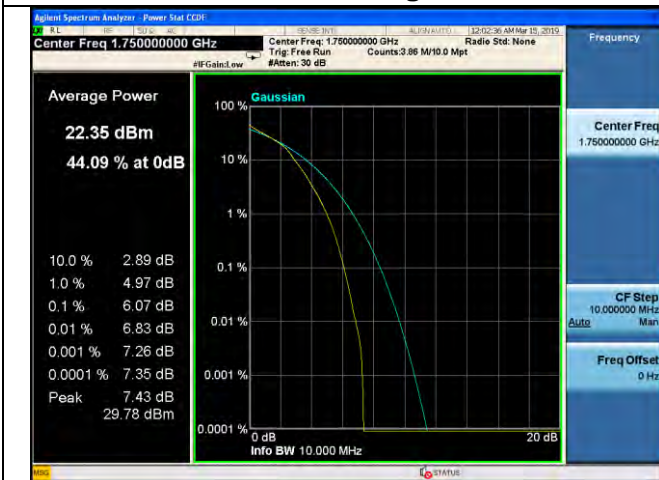
10MHz / 64QAM / Middle Channel



10MHz / QPSK / High Channel



10MHz / 16QAM / High Channel



10MHz / 64QAM / High Channel





LTE Band 4 _ Peak-to-Average Ratio

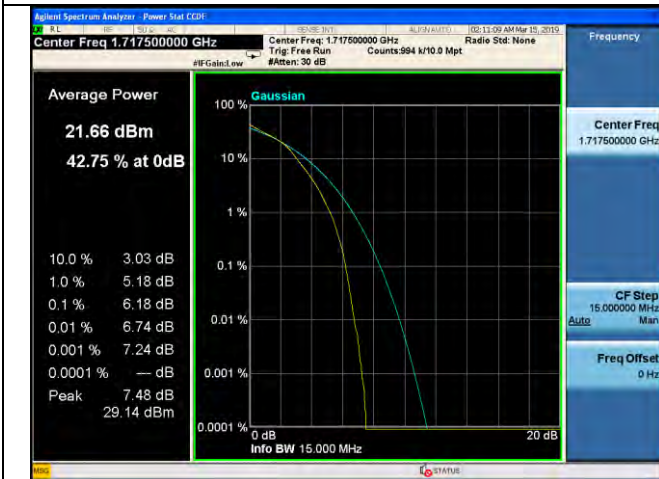
15MHz / QPSK / Low Channel



15MHz / 16QAM / Low Channel



15MHz / 64QAM / Low Channel



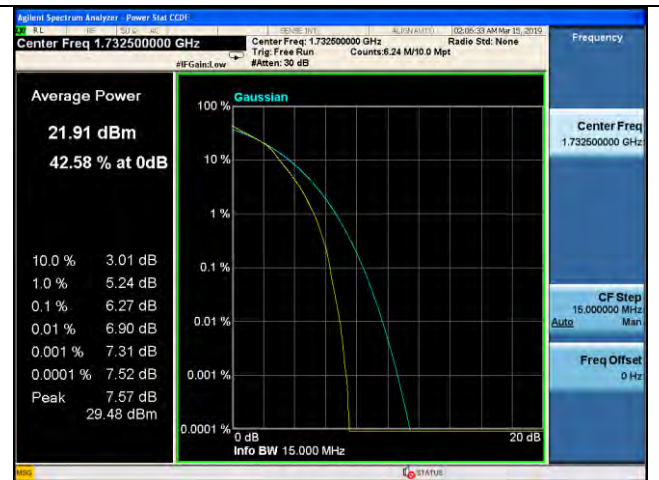
15MHz / QPSK / Middle Channel



15MHz / 16QAM / Middle Channel



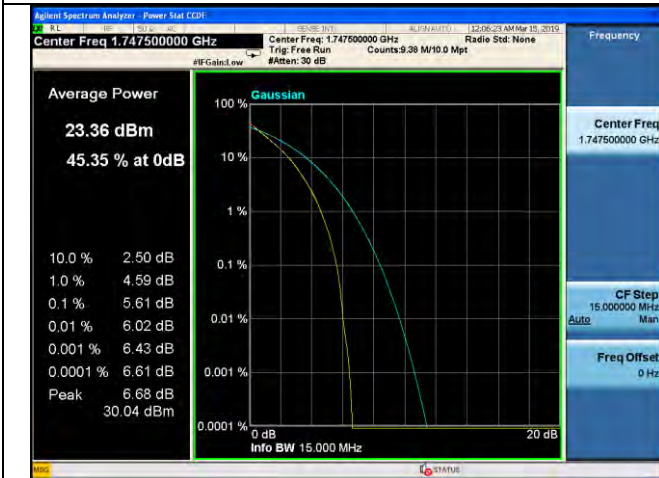
15MHz / 64QAM / Middle Channel





LTE Band 4 _ Peak-to-Average Ratio

15MHz / QPSK / High Channel



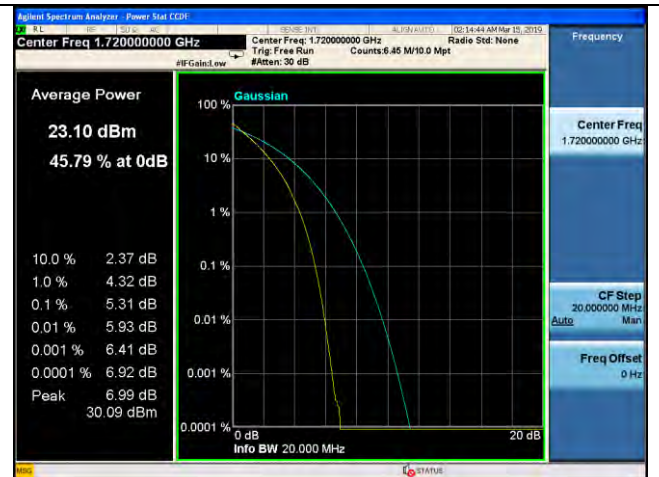
15MHz / 16QAM / High Channel



15MHz / 64QAM / High Channel



20MHz / QPSK / Low Channel



20MHz / 16QAM / Low Channel



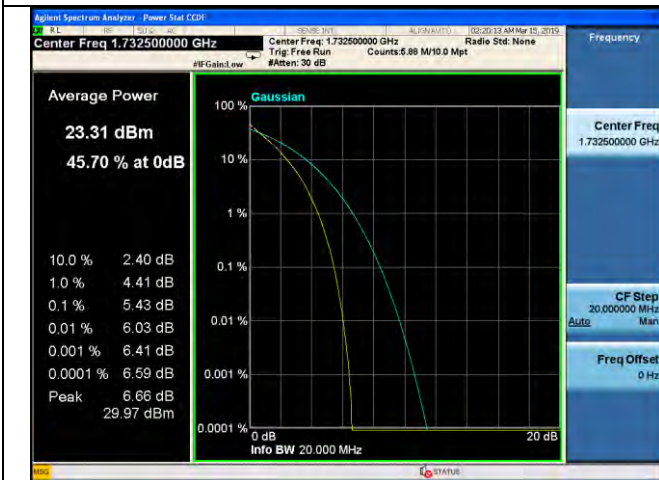
20MHz / 64QAM / Low Channel





LTE Band 4 _ Peak-to-Average Ratio

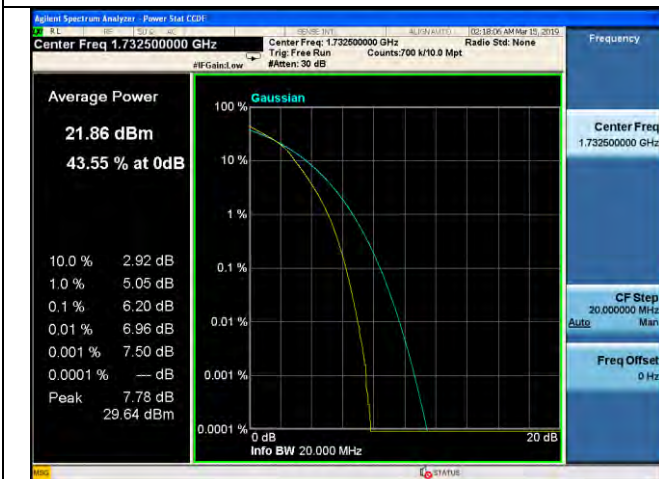
20MHz / QPSK / Middle Channel



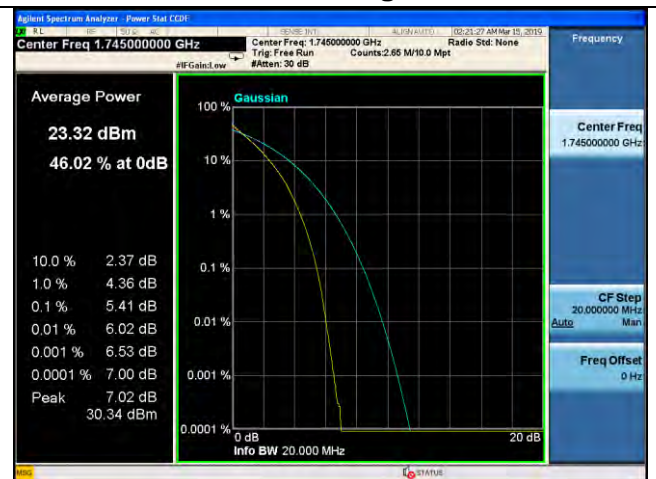
20MHz / 16QAM / Middle Channel



20MHz / 64QAM / Middle Channel



20MHz / QPSK / High Channel



20MHz / 16QAM / High Channel



20MHz / 64QAM / High Channel



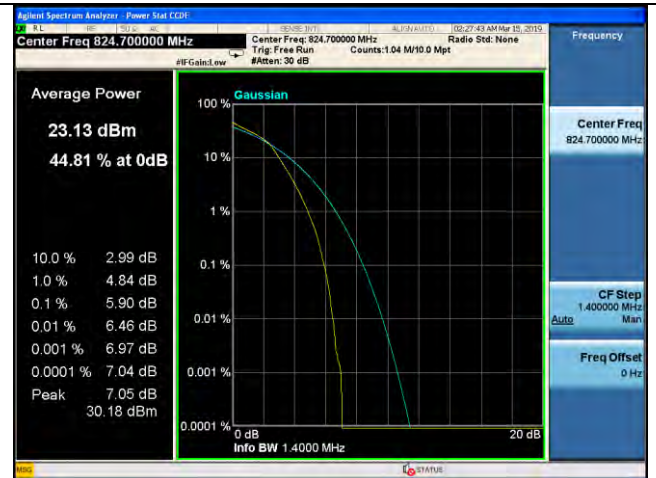


LTE Band 5 _ Peak-to-Average Ratio

1.4MHz / QPSK / Low Channel



1.4MHz / 16QAM / Low Channel



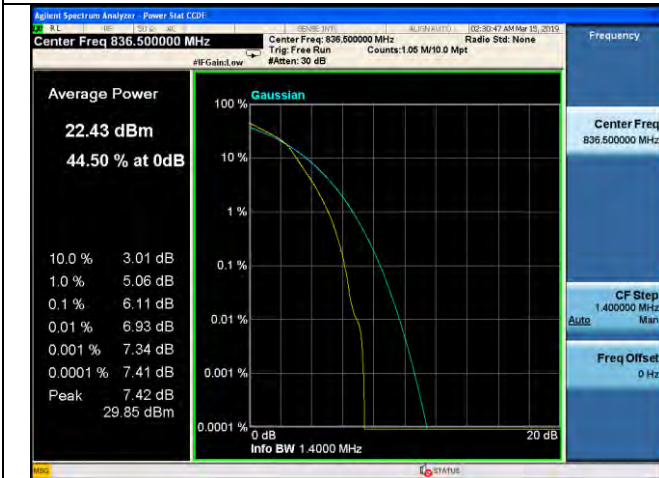
1.4MHz / 64QAM / Low Channel



1.4MHz / QPSK / Middle Channel



1.4MHz / 16QAM / Middle Channel



1.4MHz / 64QAM / Middle Channel





LTE Band 5 _ Peak-to-Average Ratio

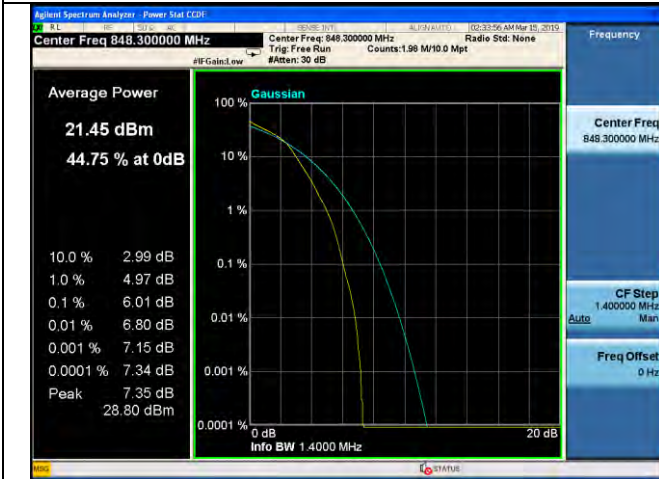
1.4MHz / QPSK / High Channel



1.4MHz / 16QAM / High Channel



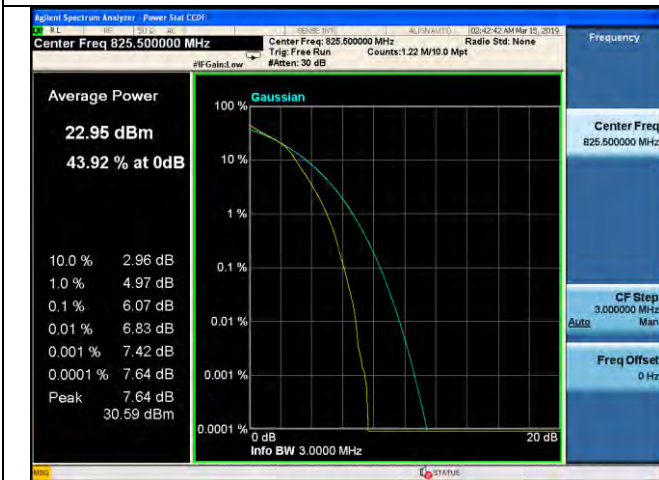
1.4MHz / 64QAM / High Channel



3MHz / QPSK / Low Channel



3MHz / 16QAM / Low Channel



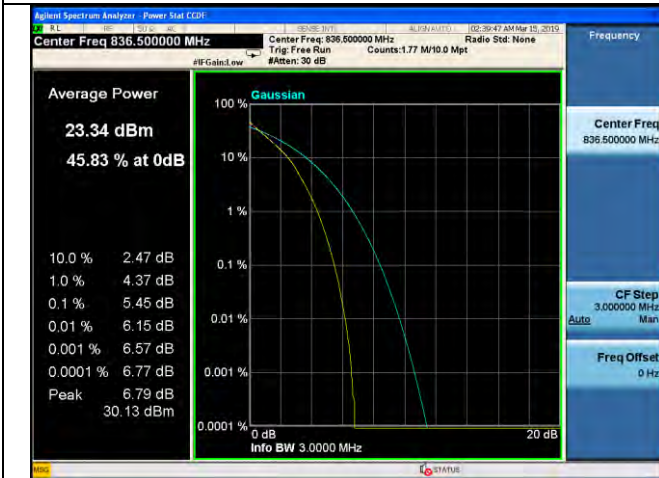
3MHz / 64QAM / Low Channel





LTE Band 5 _ Peak-to-Average Ratio

3MHz / QPSK / Middle Channel



3MHz / 16QAM / Middle Channel



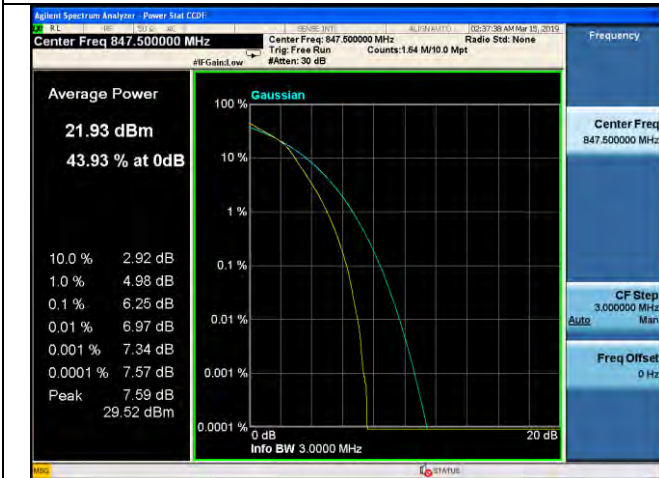
3MHz / 64QAM / Middle Channel



3MHz / QPSK / High Channel



3MHz / 16QAM / High Channel



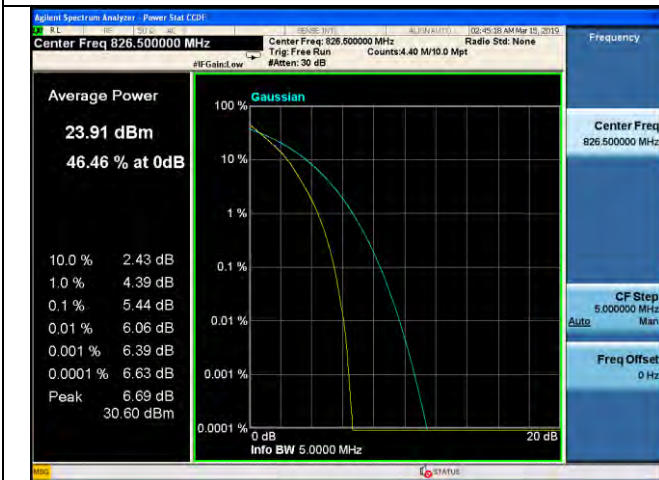
3MHz / 64QAM / High Channel





LTE Band 5 _ Peak-to-Average Ratio

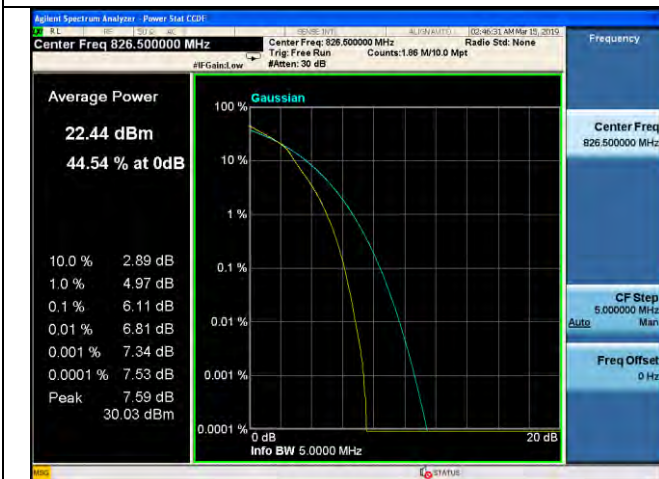
5MHz / QPSK / Low Channel



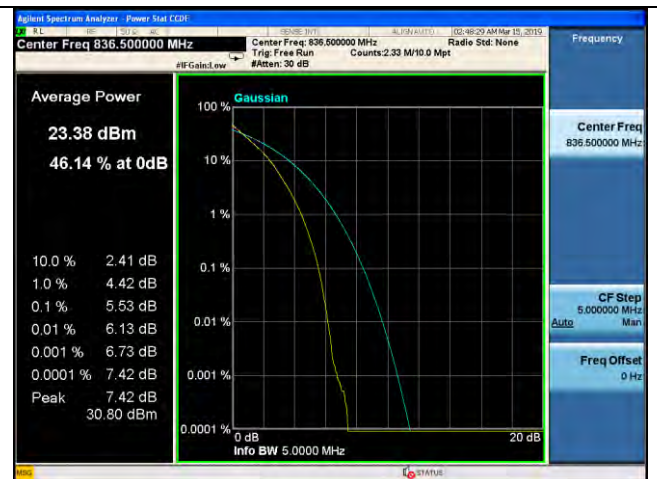
5MHz / 16QAM / Low Channel



5MHz / 64QAM / Low Channel



5MHz / QPSK / Middle Channel



5MHz / 16QAM / Middle Channel



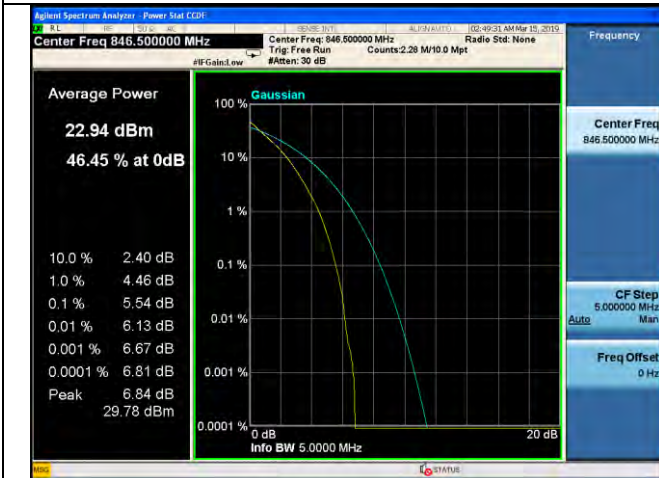
5MHz / 64QAM / Middle Channel





LTE Band 5 _ Peak-to-Average Ratio

5MHz / QPSK / High Channel



5MHz / 16QAM / High Channel



5MHz / 64QAM / High Channel



10MHz / QPSK / Low Channel



10MHz / 16QAM / Low Channel



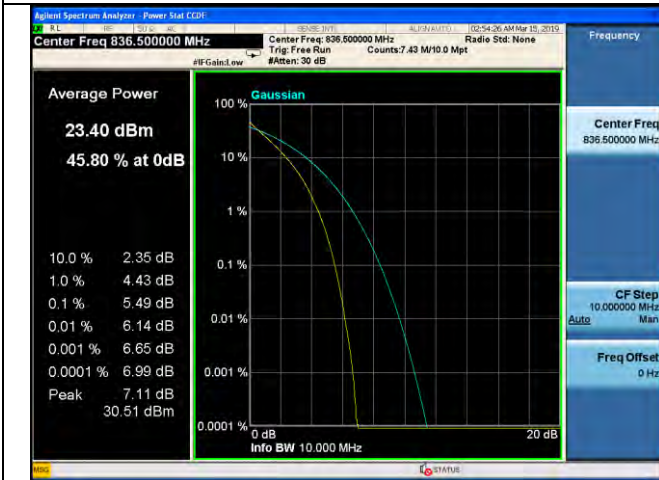
10MHz / 64QAM / Low Channel





LTE Band 5 _ Peak-to-Average Ratio

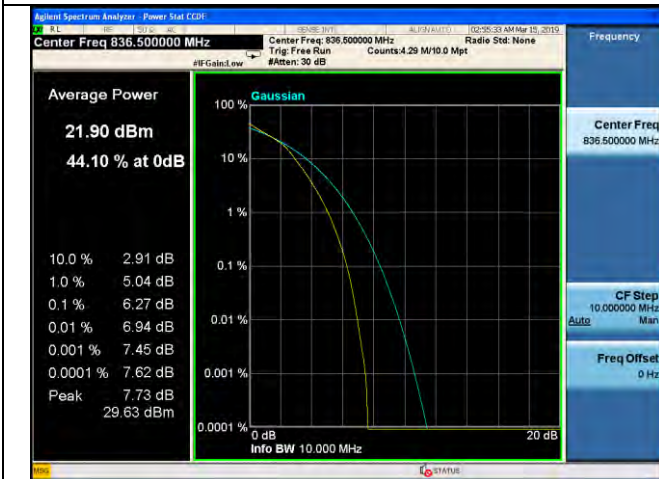
10MHz / QPSK / Middle Channel



10MHz / 16QAM / Middle Channel



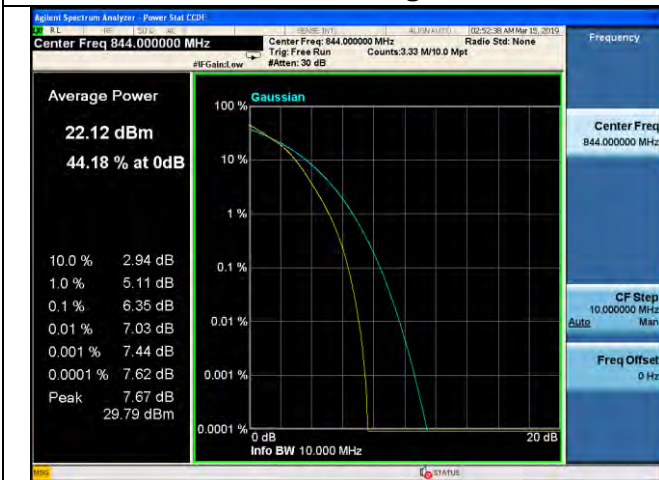
10MHz / 64QAM / Middle Channel



10MHz / QPSK / High Channel



10MHz / 16QAM / High Channel



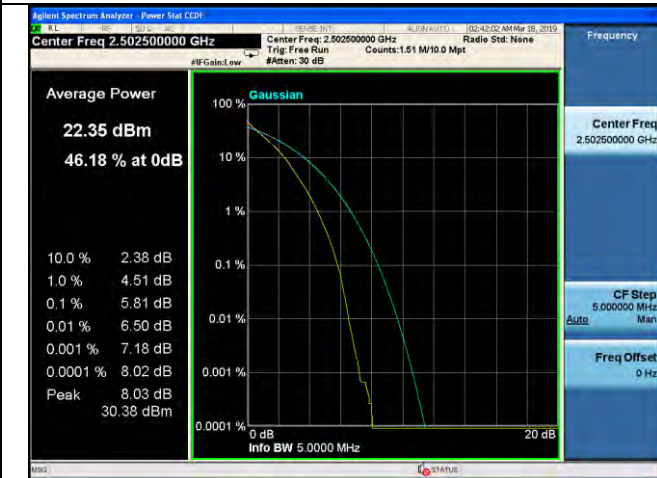
10MHz / 64QAM / High Channel



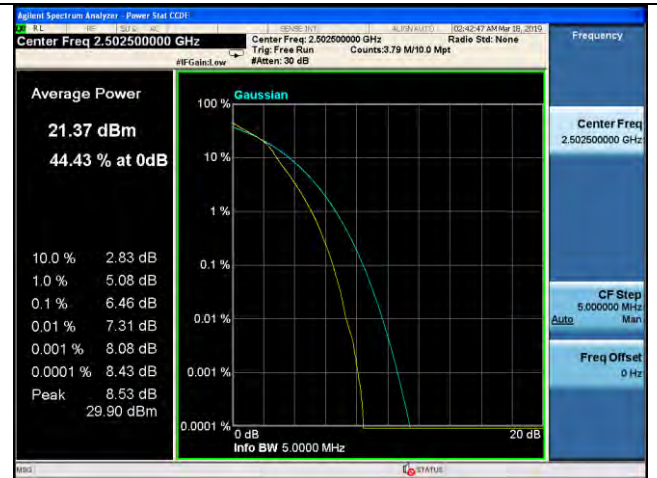


LTE Band 7 _ Peak-to-Average Ratio

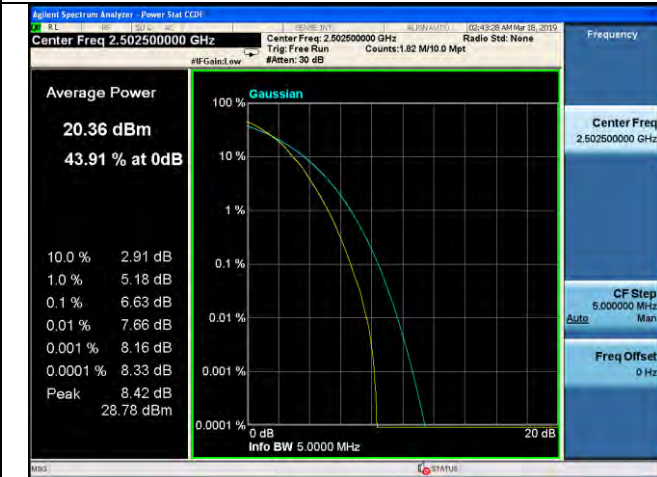
5MHz / QPSK / Low Channel



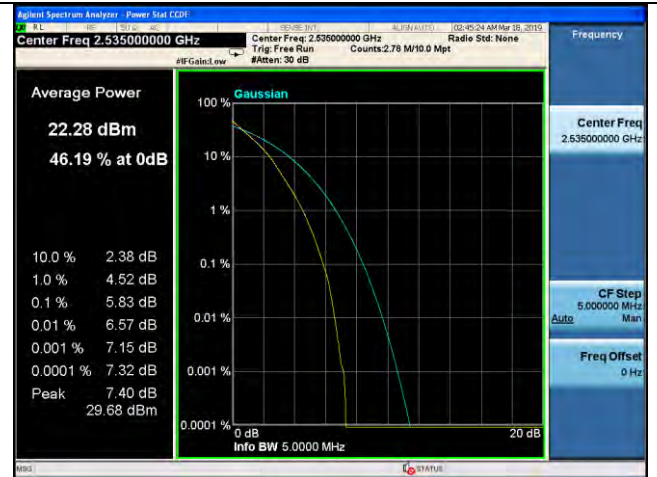
5MHz / 16QAM / Low Channel



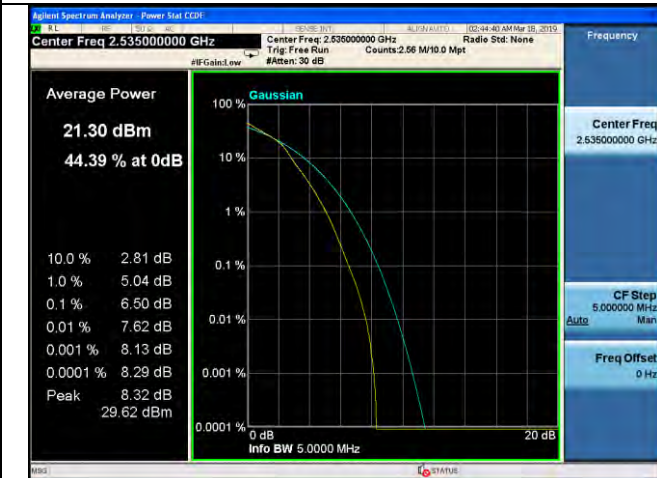
5MHz / 64QAM / Low Channel



5MHz / QPSK / Middle Channel



5MHz / 16QAM / Middle Channel



5MHz / 64QAM / Middle Channel



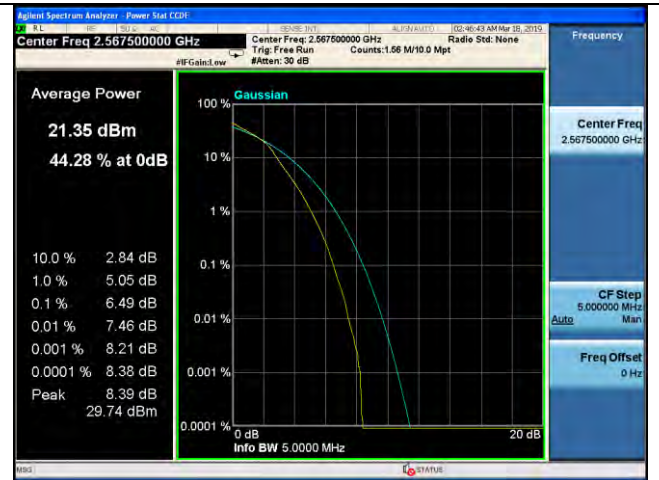


LTE Band 7 _ Peak-to-Average Ratio

5MHz / QPSK / High Channel



5MHz / 16QAM / High Channel



5MHz / 64QAM / High Channel



10MHz / QPSK / Low Channel



10MHz / 16QAM / Low Channel



10MHz / 64QAM / Low Channel





LTE Band 7 _ Peak-to-Average Ratio

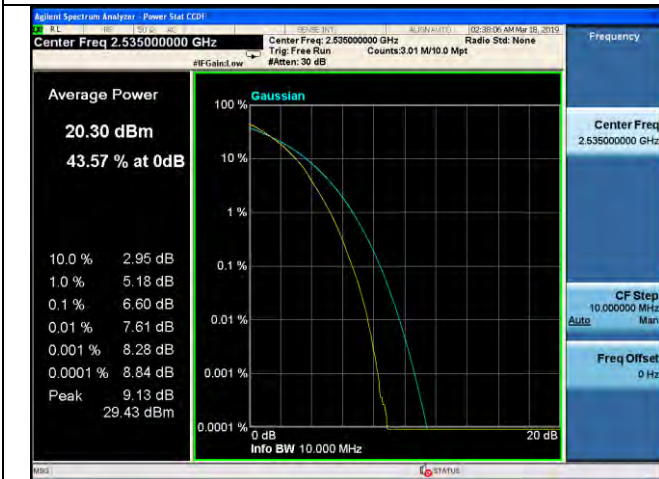
10MHz / QPSK / Middle Channel



10MHz / 16QAM / Middle Channel



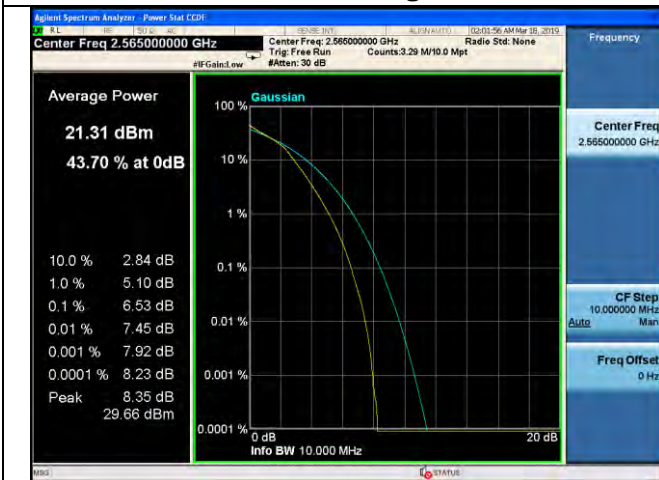
10MHz / 64QAM / Middle Channel



10MHz / QPSK / High Channel



10MHz / 16QAM / High Channel



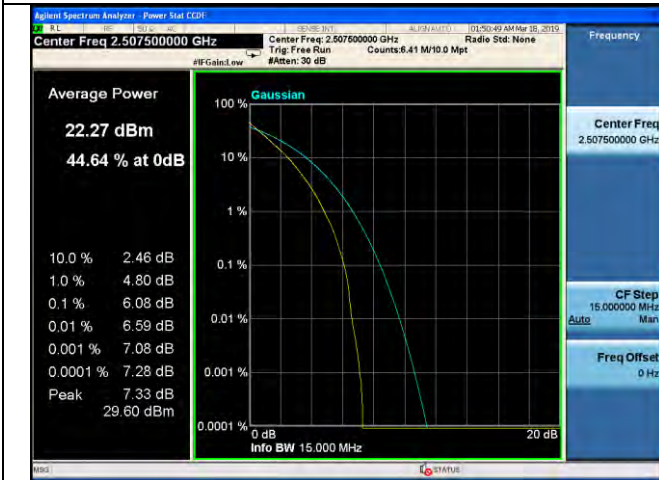
10MHz / 64QAM / High Channel



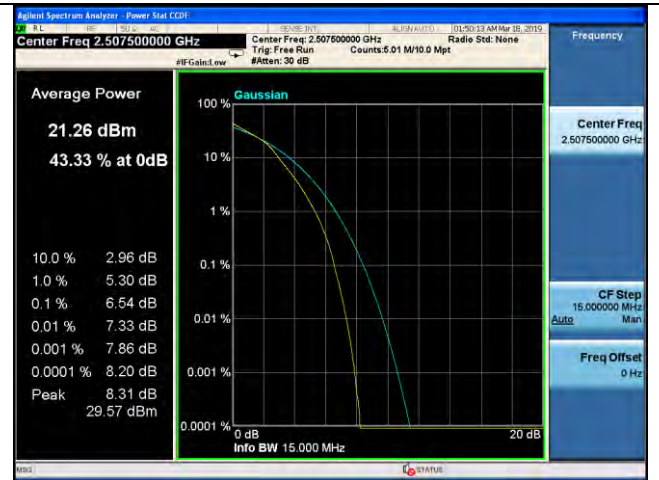


LTE Band 7 _ Peak-to-Average Ratio

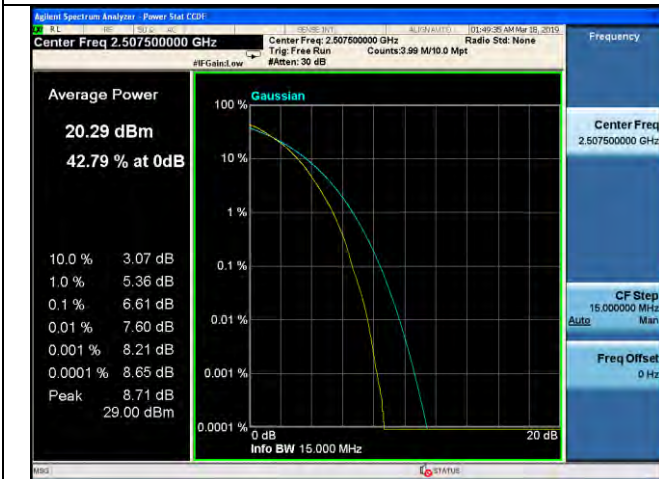
15MHz / QPSK / Low Channel



15MHz / 16QAM / Low Channel



15MHz / 64QAM / Low Channel



15MHz / QPSK / Middle Channel



15MHz / 16QAM / Middle Channel



15MHz / 64QAM / Middle Channel

