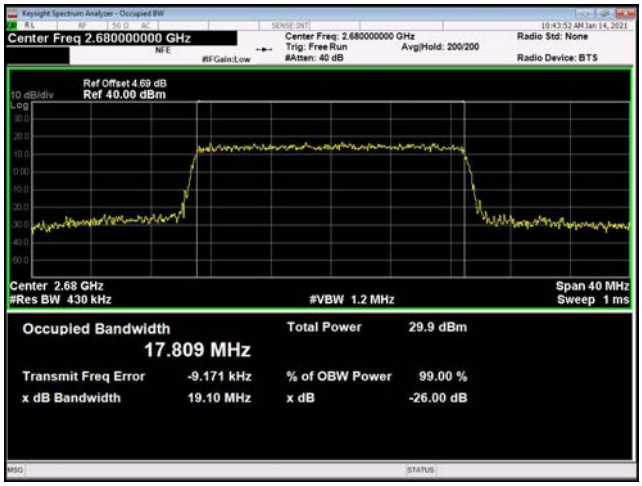
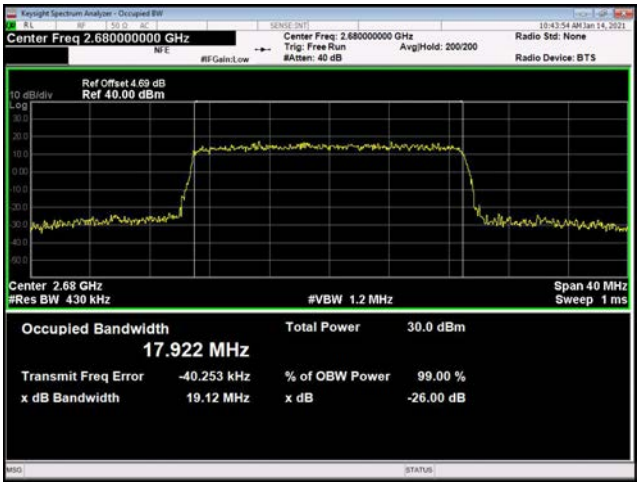
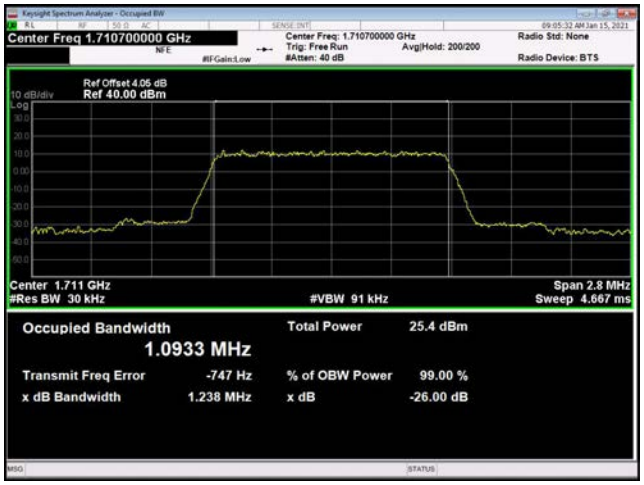
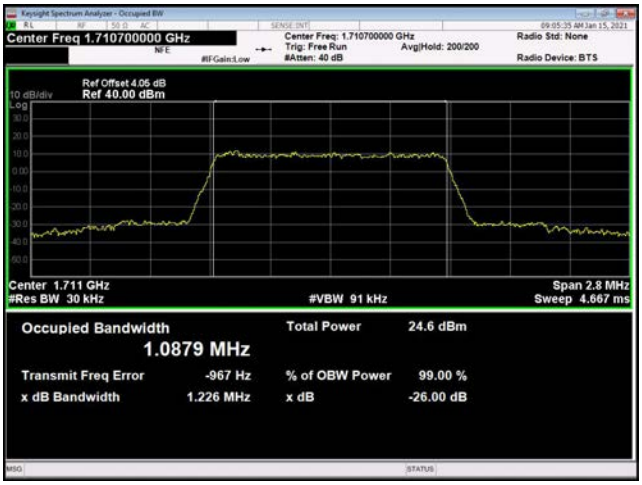
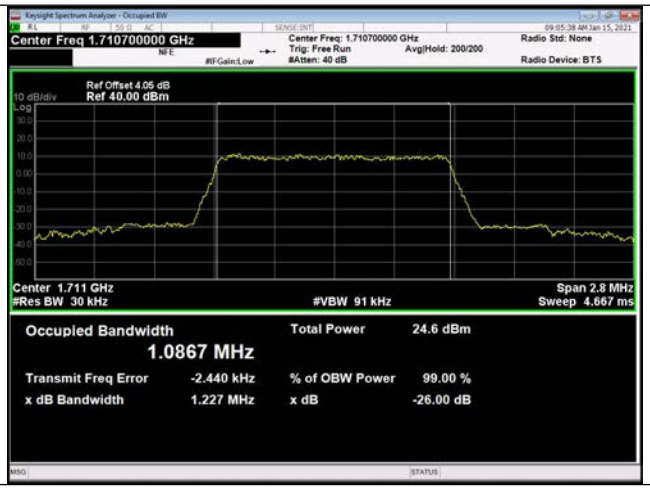
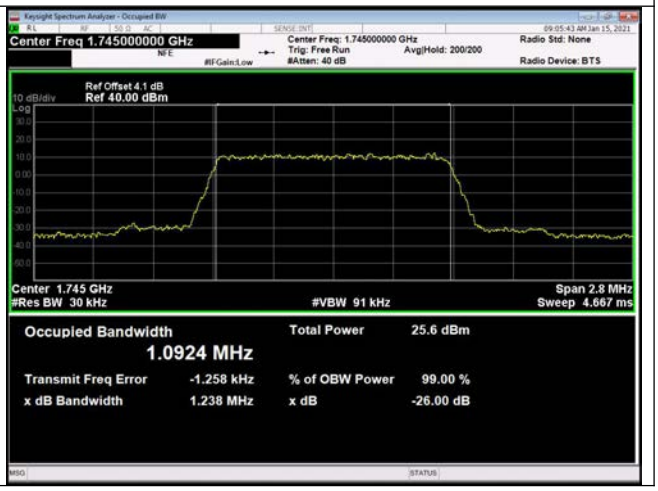
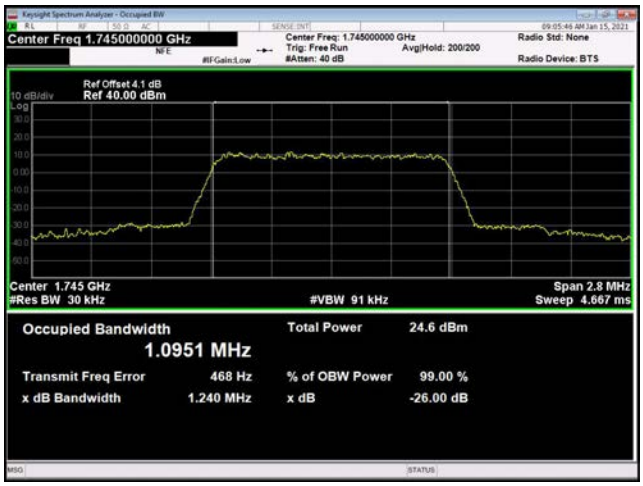
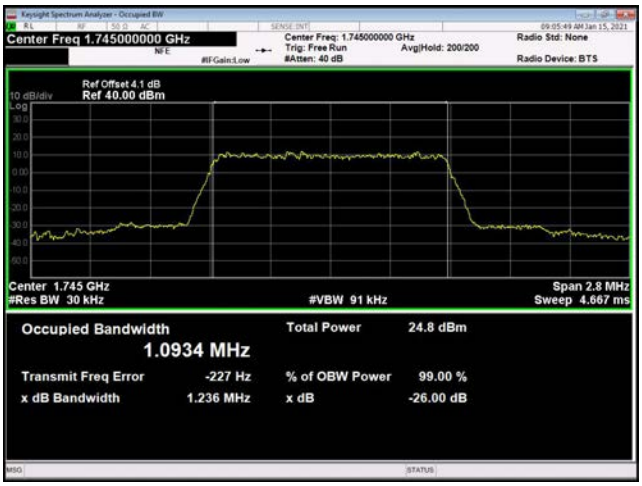
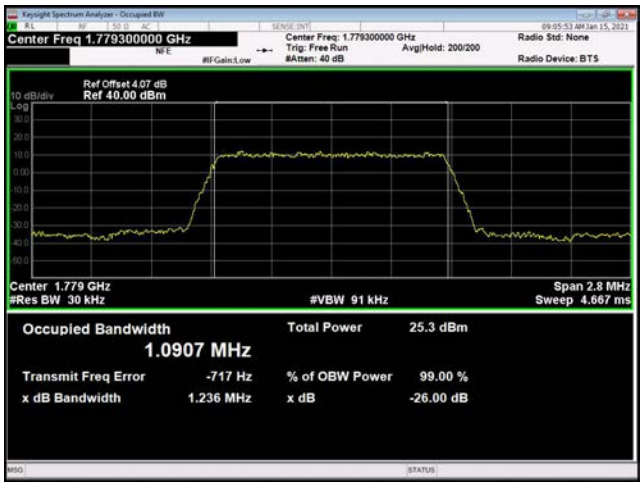
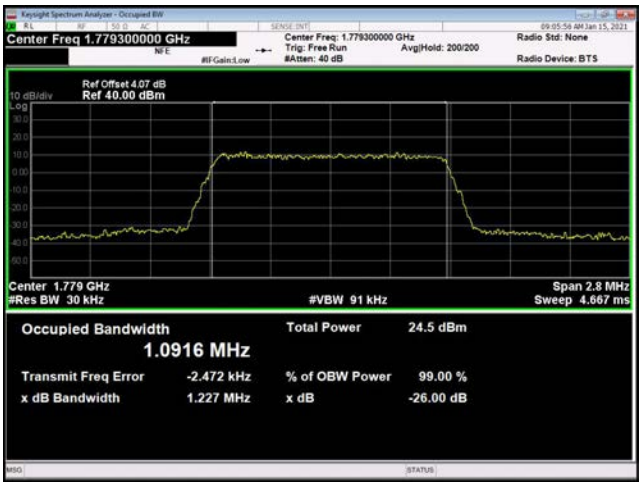
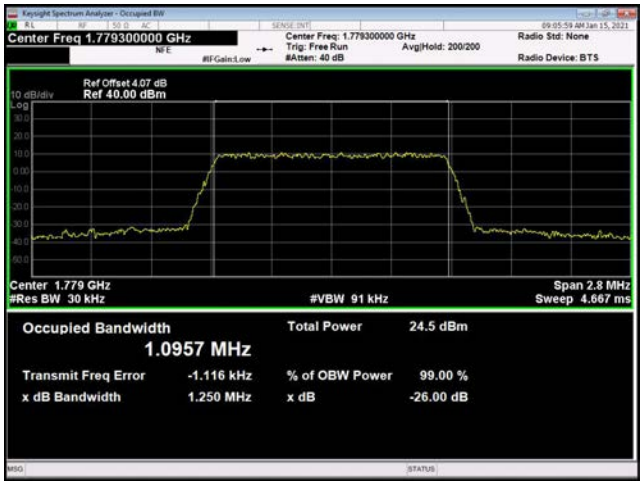
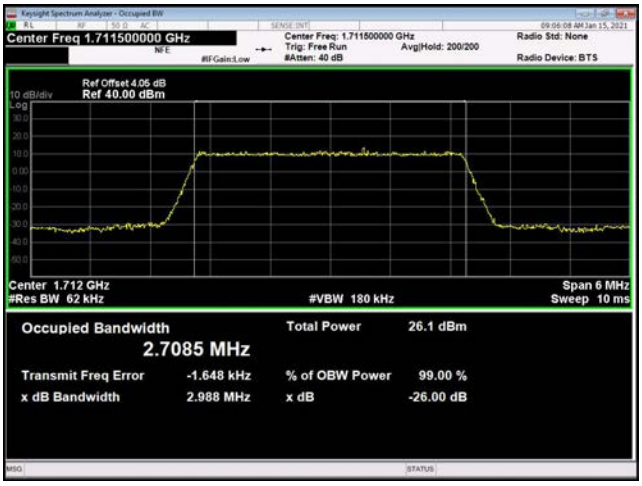
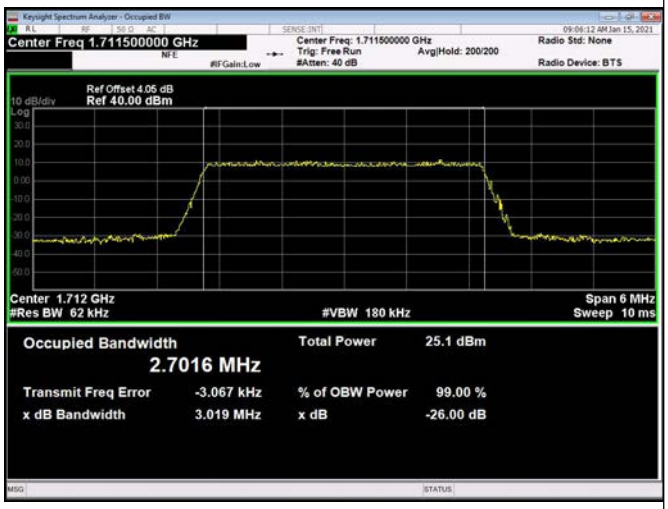
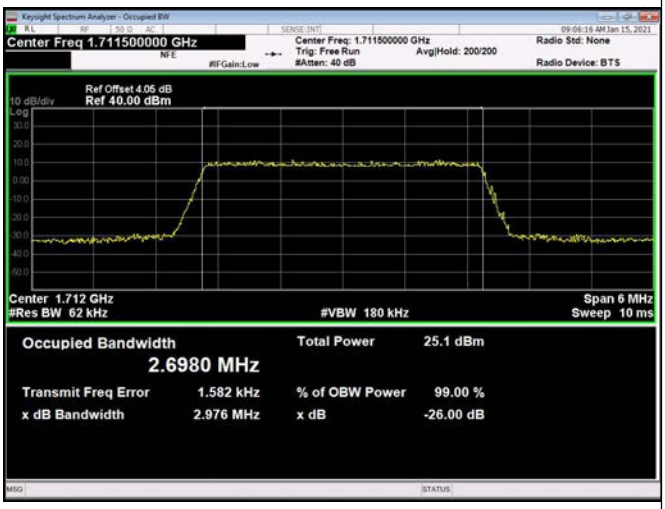
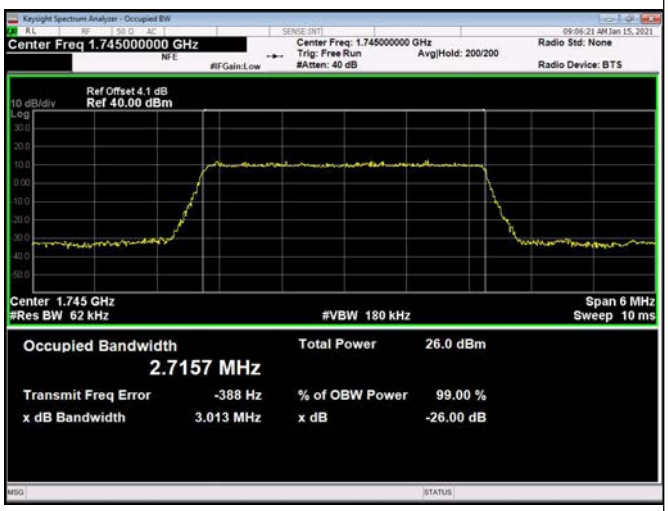
20MHz / 16QAM / High Channel	20MHz / 64QAM / High Channel
	

LTE Band 66 _ 99% Bandwidth & 26dB Bandwidth

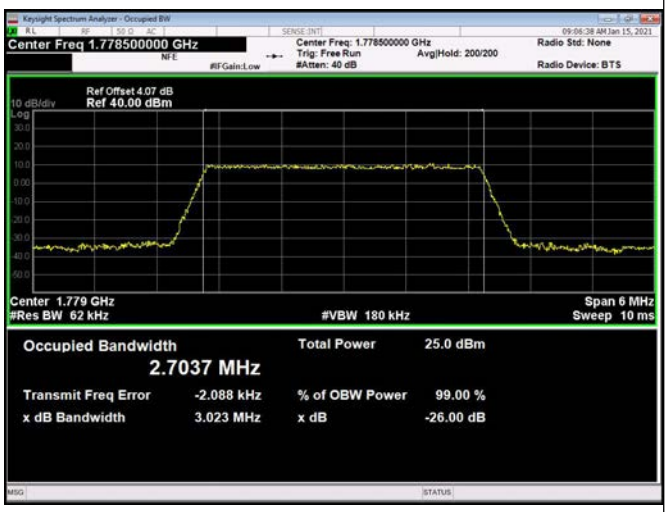
1.4MHz / QPSK / Low Channel	1.4MHz / 16QAM / Low Channel
	

1.4MHz / 64QAM / Low Channel	1.4MHz / QPSK / Middle Channel
	

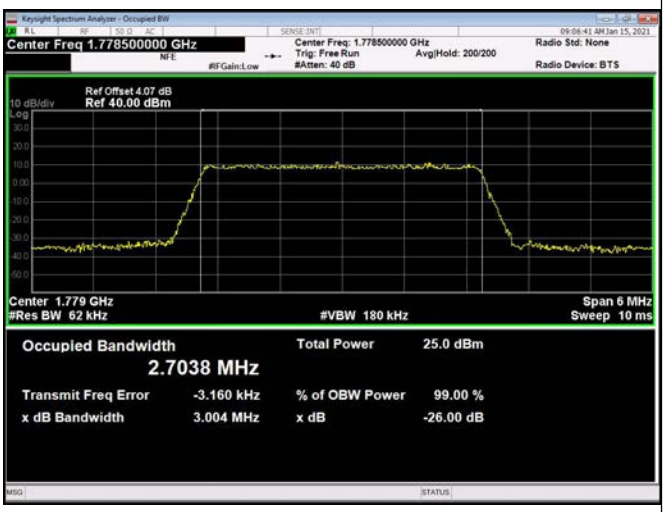
1.4MHz / 16QAM / Middle Channel	1.4MHz / 64QAM / Middle Channel
	
1.4MHz / QPSK / High Channel	**1.4MHz / 16QAM / High Channel**
	
1.4MHz / 64QAM / High Channel	**3MHz / QPSK / Low Channel**
	

3MHz / 16QAM / Low Channel	3MHz / 64QAM / Low Channel
	
3MHz / QPSK / Middle Channel	**3MHz / 16QAM / Middle Channel**
	
3MHz / 64QAM / Middle Channel	**3MHz / QPSK / High Channel**
	

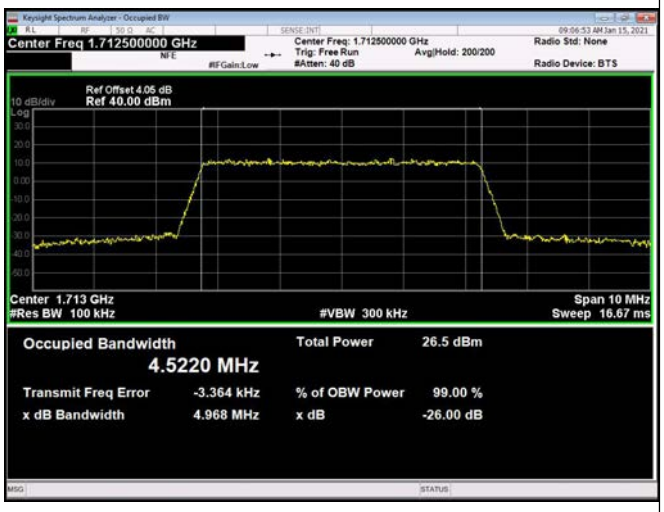
3MHz / 16QAM / High Channel



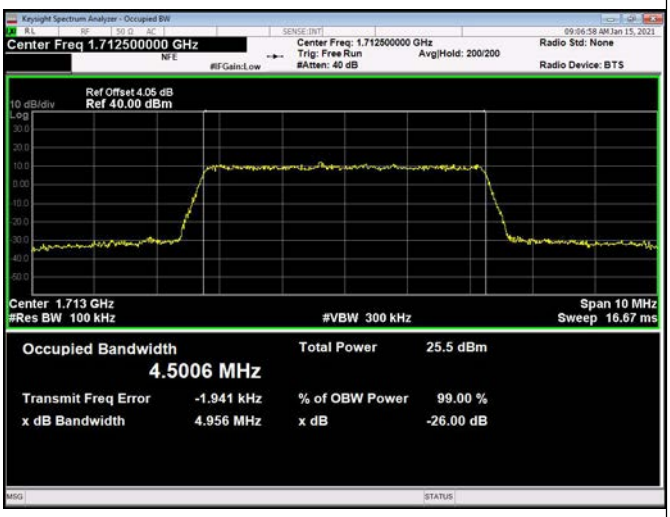
3MHz / 64QAM / High Channel



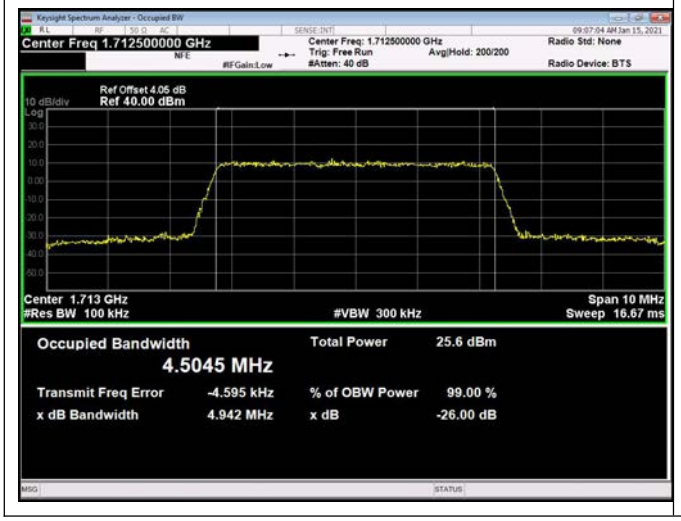
5MHz / QPSK / Low Channel



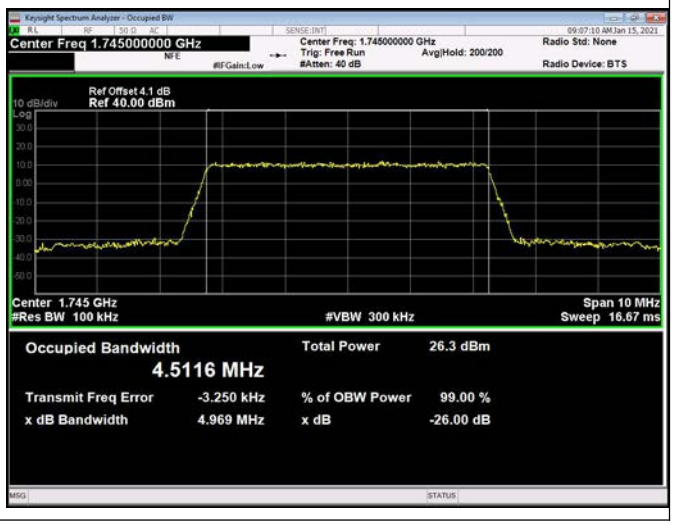
5MHz / 16QAM / Low Channel

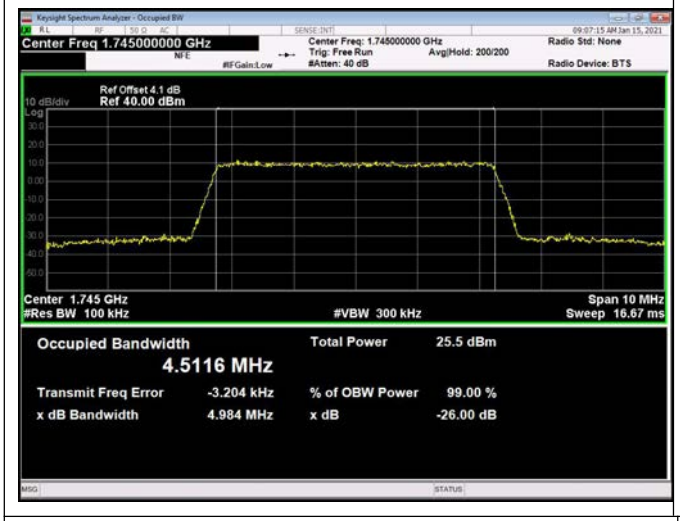
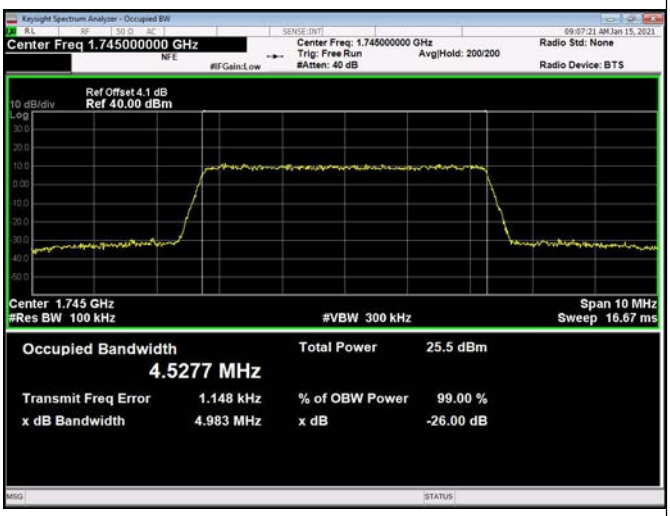
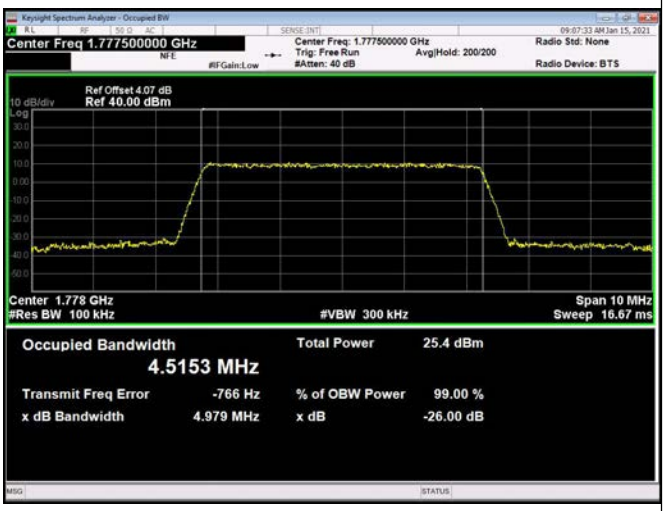
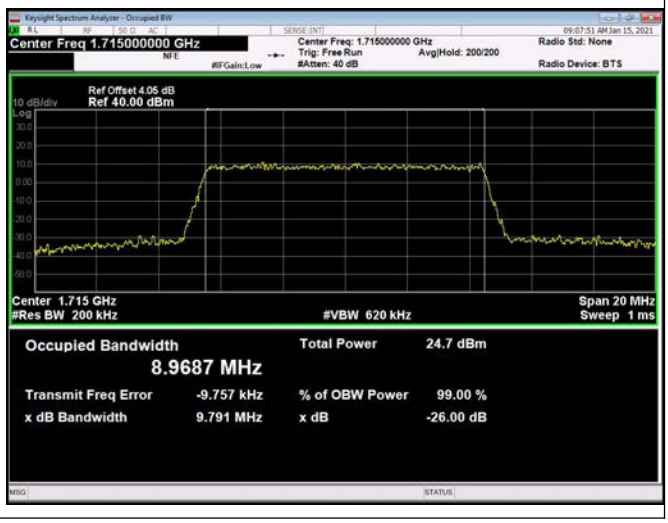


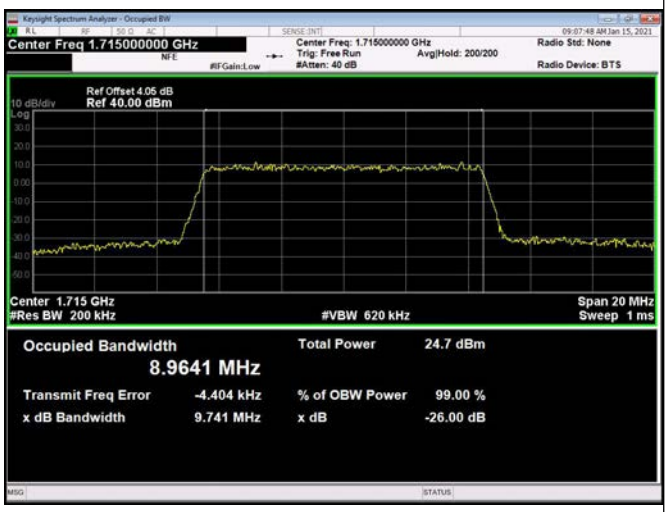
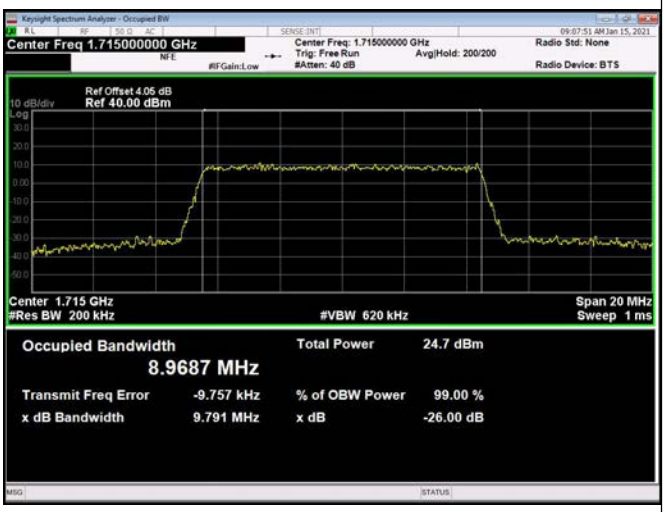
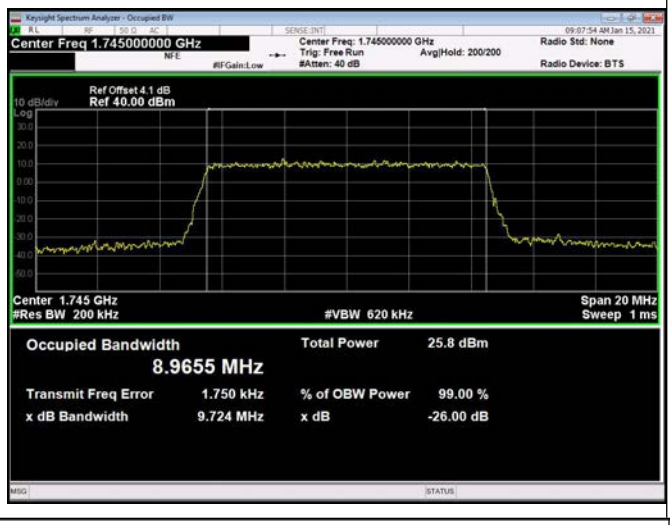
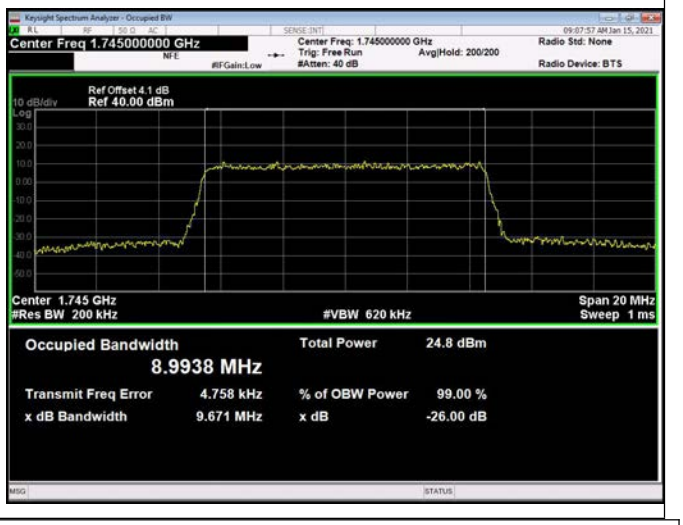
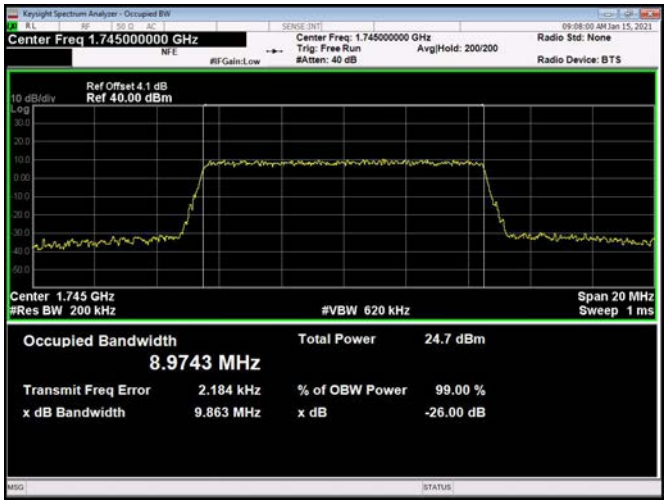
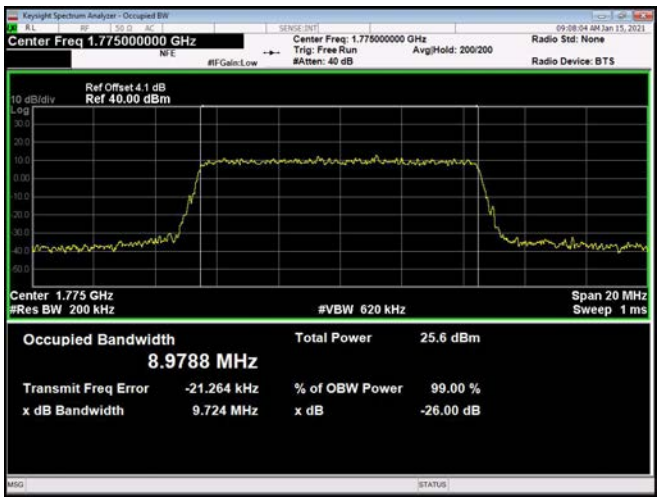
5MHz / 64QAM / Low Channel

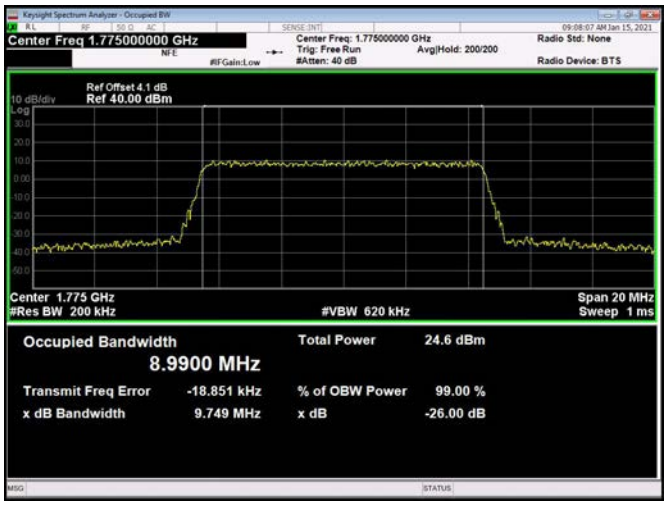
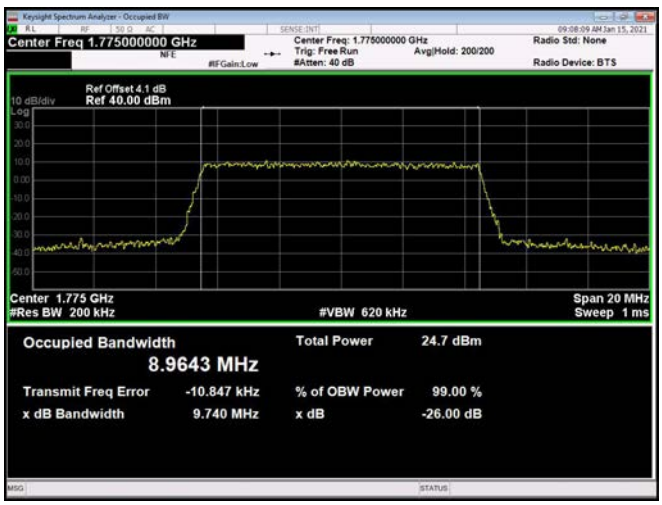
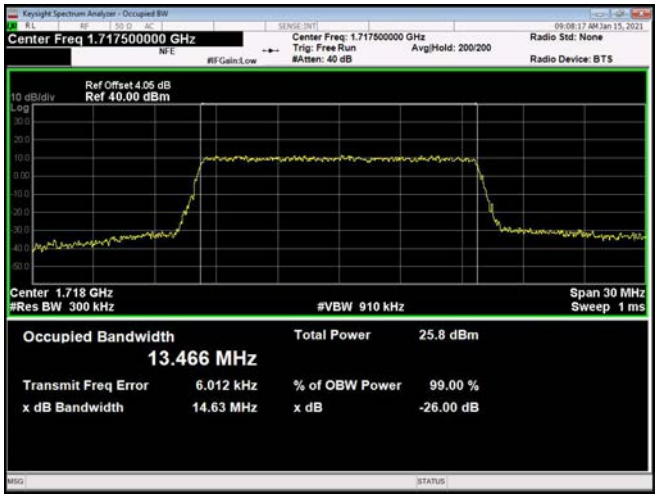
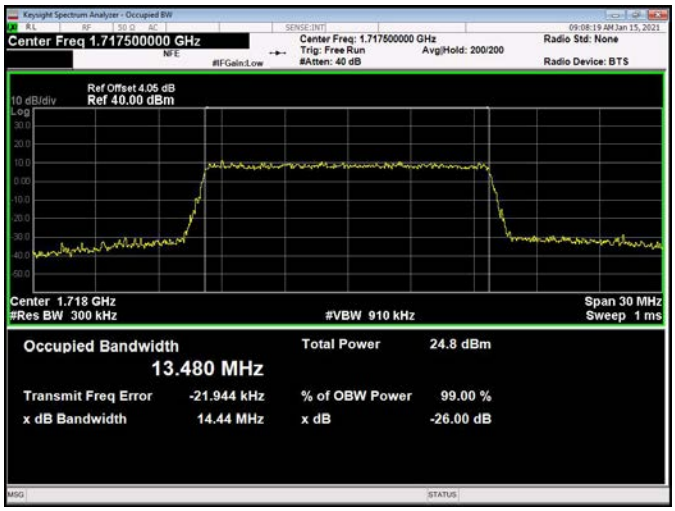
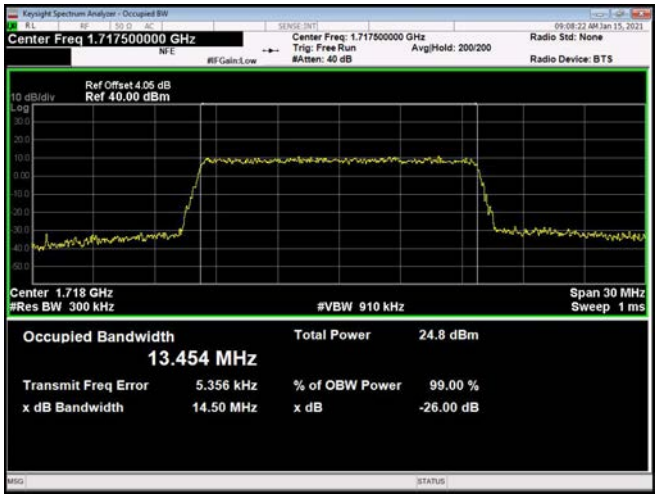
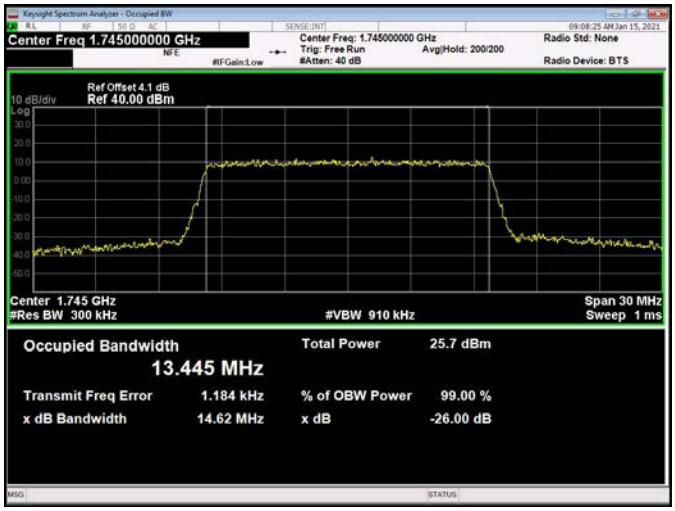


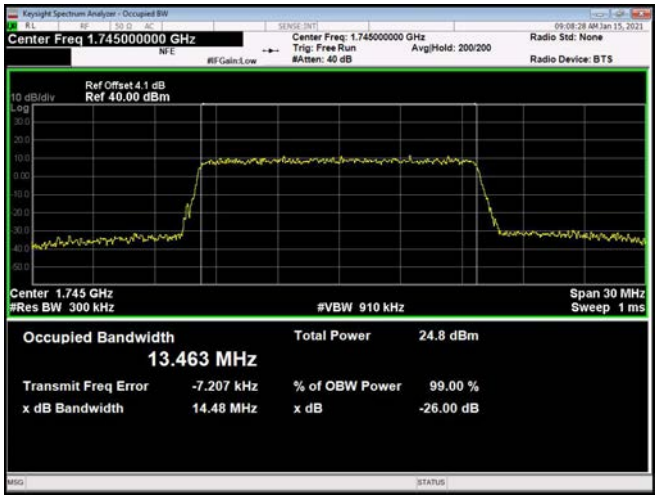
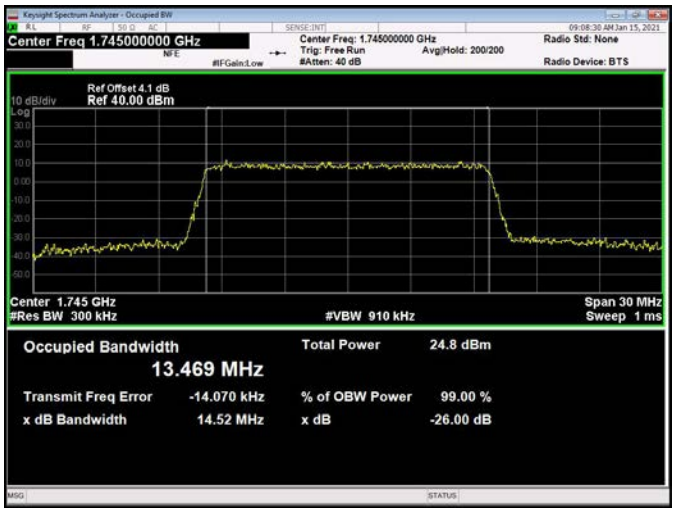
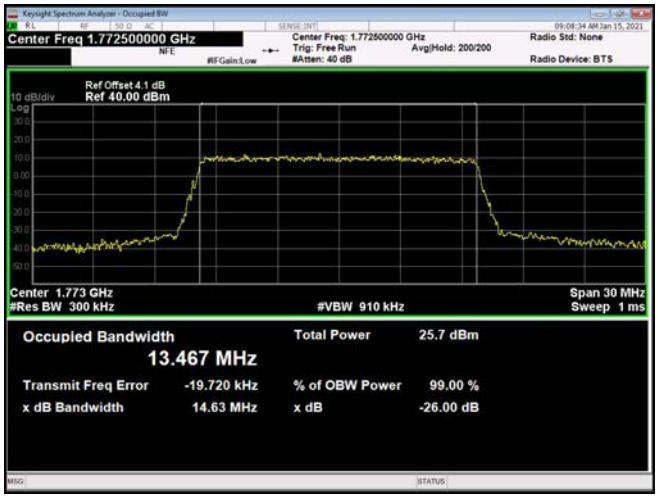
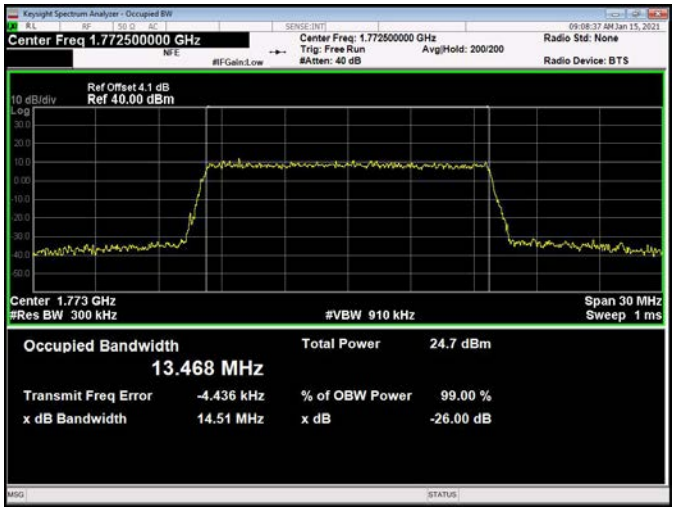
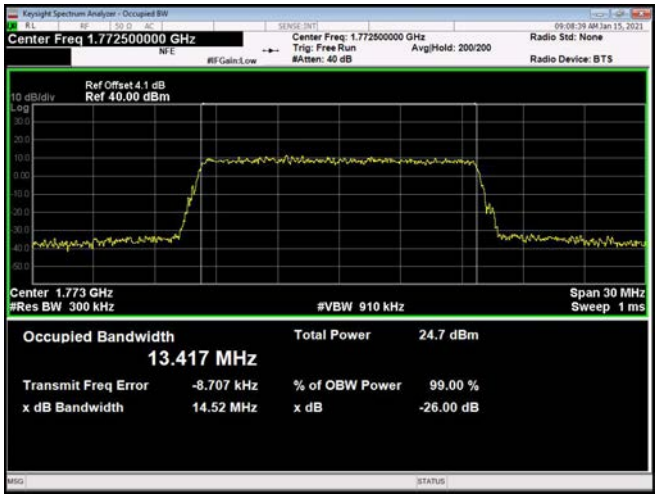
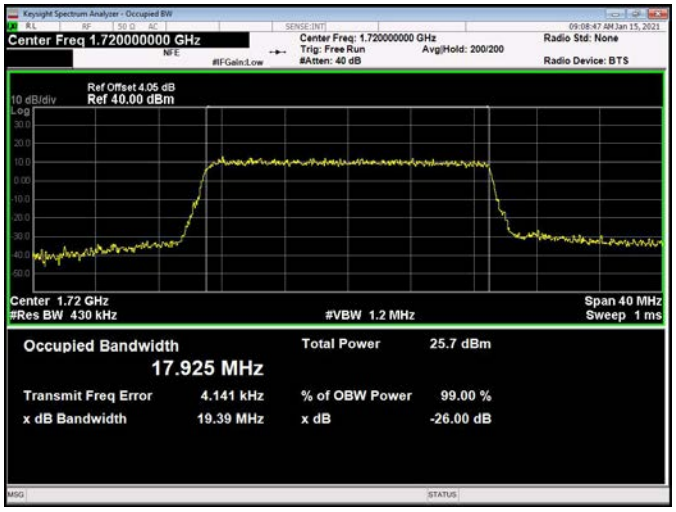
5MHz / QPSK / Middle Channel

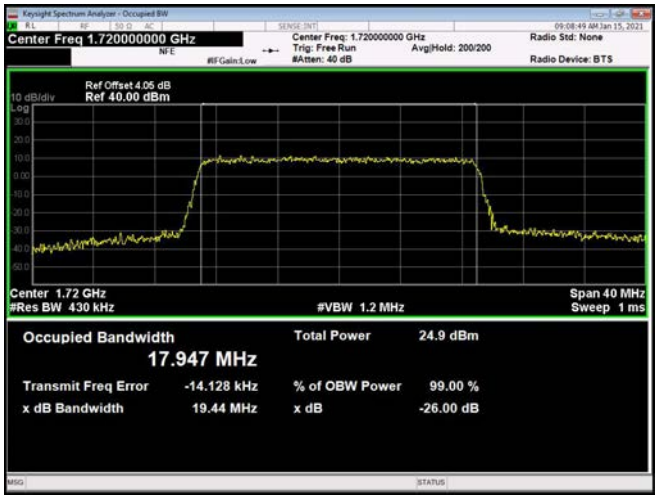
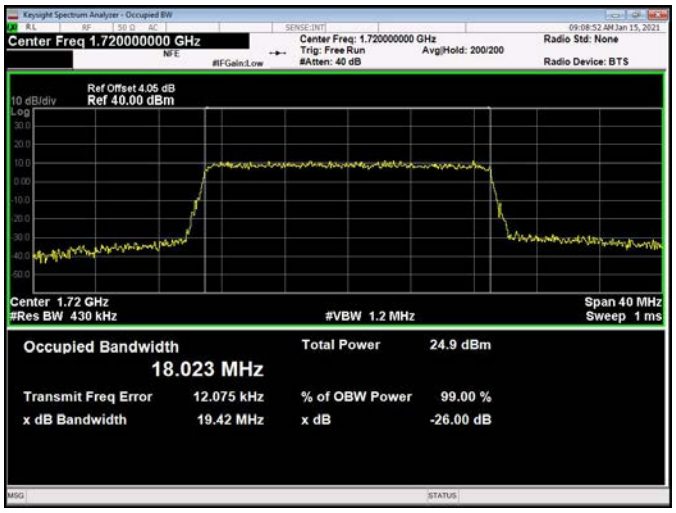
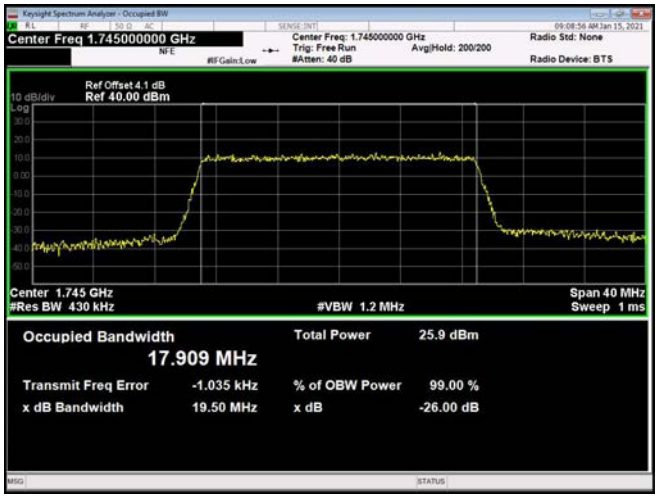
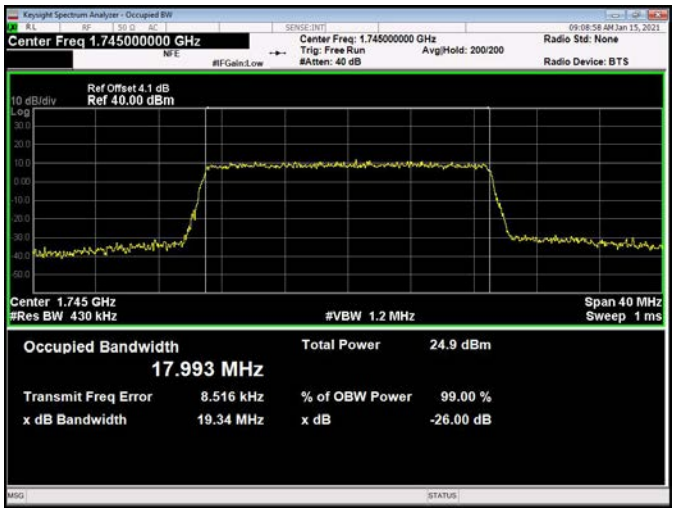
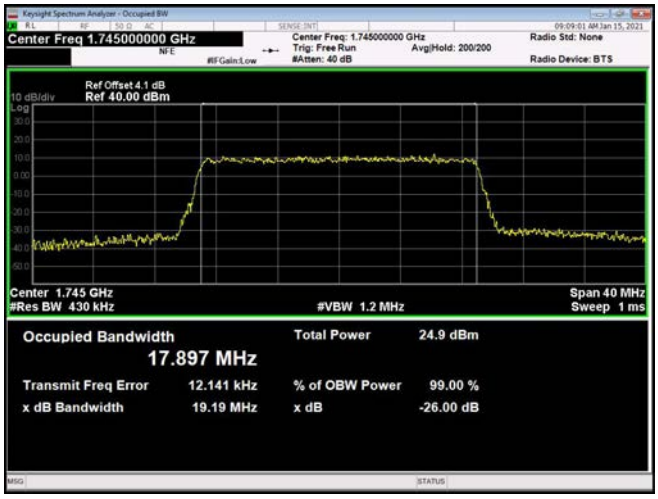
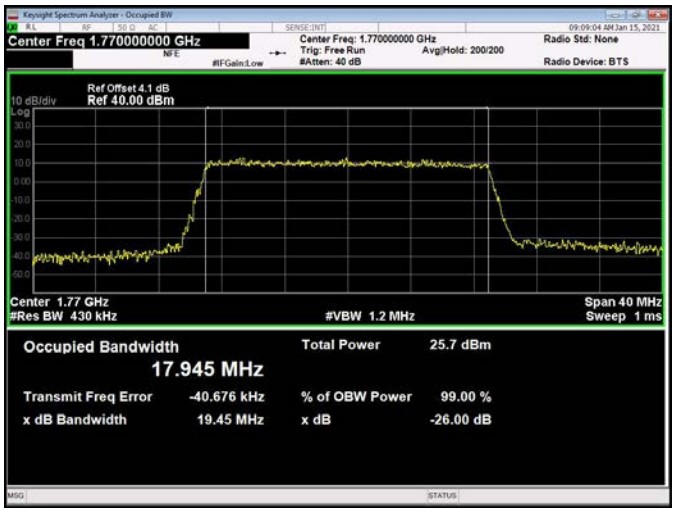


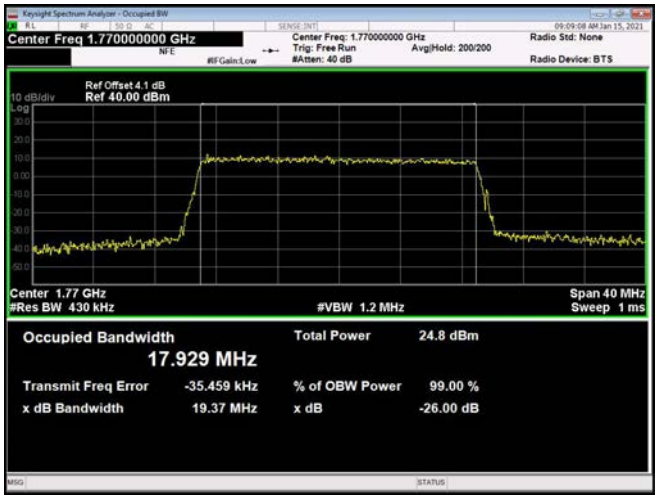
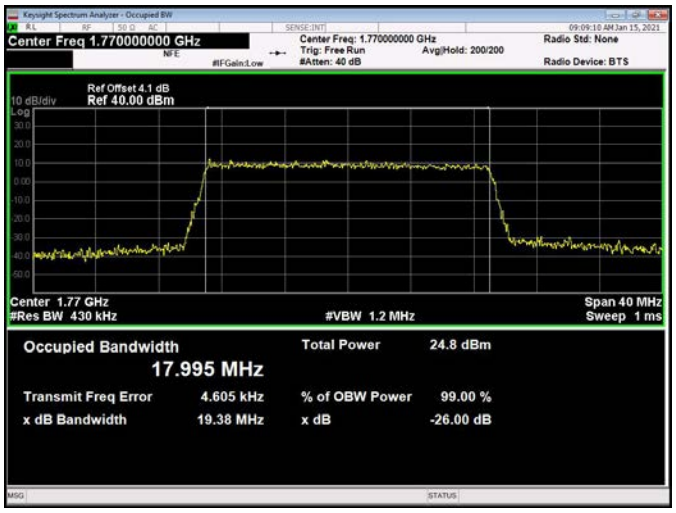
5MHz / 16QAM / Middle Channel	5MHz / 64QAM / Middle Channel
	
5MHz / QPSK / High Channel	**5MHz / 16QAM / High Channel**
	
5MHz / 64QAM / High Channel	**10MHz / QPSK / Low Channel**
	

10MHz / 16QAM / Low Channel	10MHz / 64QAM / Low Channel
	
10MHz / QPSK / Middle Channel	**10MHz / 16QAM / Middle Channel**
	
10MHz / 64QAM / Middle Channel	**10MHz / QPSK / High Channel**
	

10MHz / 16QAM / High Channel	10MHz / 64QAM / High Channel
	
15MHz / QPSK / Low Channel	**15MHz / 16QAM / Low Channel**
	
15MHz / 64QAM / Low Channel	**15MHz / QPSK / Middle Channel**
	

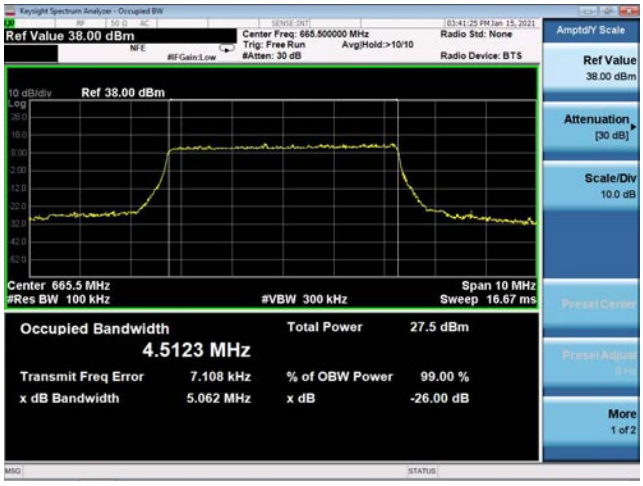
15MHz / 16QAM / Middle Channel	15MHz / 64QAM / Middle Channel
	
15MHz / QPSK / High Channel	**15MHz / 16QAM / High Channel**
	
15MHz / 64QAM / High Channel	**20MHz / QPSK / Low Channel**
	

20MHz / 16QAM / Low Channel	20MHz / 64QAM / Low Channel
	
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 71 _ 99% Bandwidth & 26dB Bandwidth

5MHz / QPSK / Low Channel

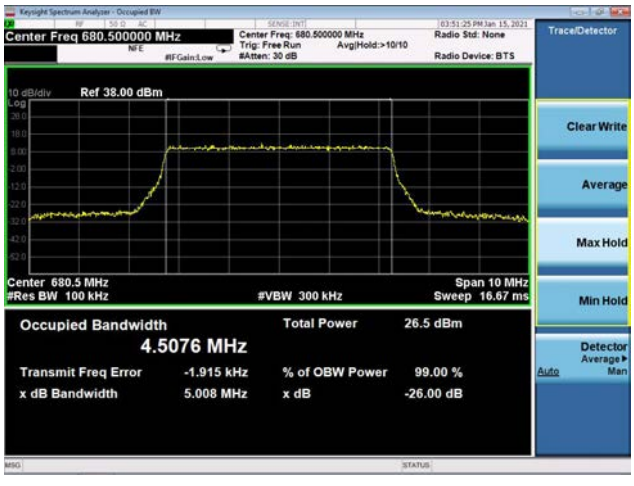


5MHz / 16QAM / Low Channel

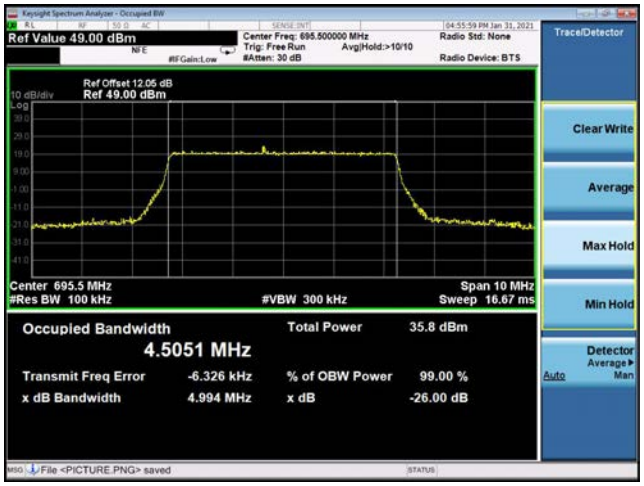
5MHz / 64QAM / Low Channel

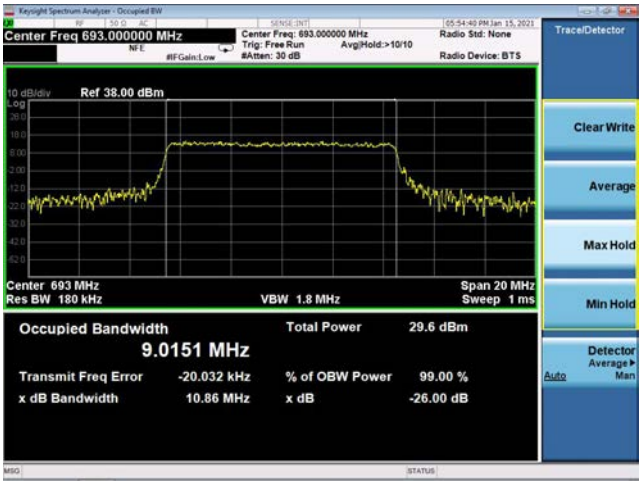
5MHz / QPSK / Middle Channel

5MHz / 16QAM / Middle Channel



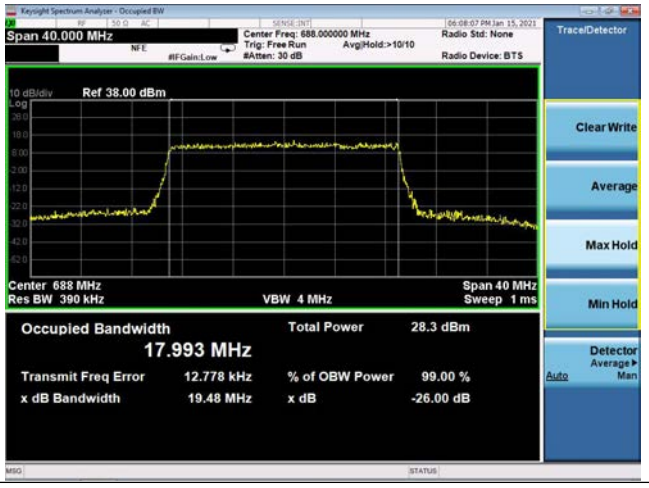
5MHz / 64QAM / Middle Channel

5MHz / QPSK / High Channel	5MHz / 16QAM / High Channel
	
5MHz / 64QAM / High Channel	**10MHz / QPSK / Low Channel**
	
10MHz / 16QAM / Low Channel	**10MHz / 64QAM / Low Channel**
	

10MHz / QPSK / Middle Channel	10MHz / 16QAM / Middle Channel
	
10MHz / 64QAM / Middle Channel	**10MHz / QPSK / High Channel**
	
10MHz / 16QAM / High Channel	**10MHz / 64QAM / High Channel**
	

15MHz / QPSK / Low Channel	15MHz / 16QAM / Low Channel
	
15MHz / 64QAM / Low Channel	**15MHz / QPSK / Middle Channel**
	
15MHz / 16QAM / Middle Channel	**15MHz / 64QAM / Middle Channel**
	

15MHz / QPSK / High Channel	15MHz / 16QAM / High Channel
	
15MHz / 64QAM / High Channel	**20MHz / QPSK / Low Channel**
	
20MHz / 16QAM / Low Channel	**20MHz / 64QAM / Low Channel**
	

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

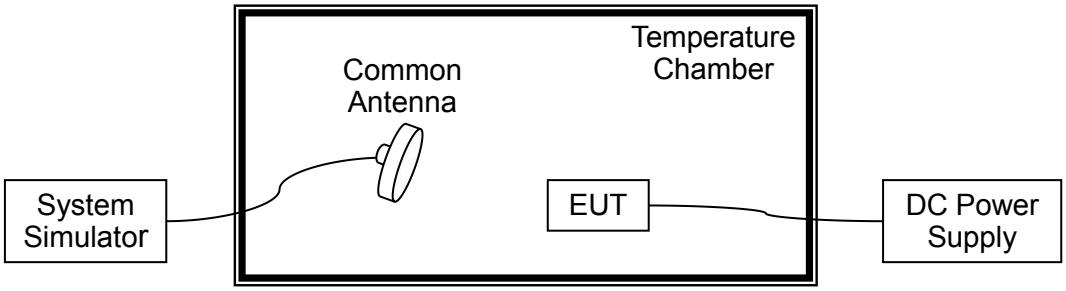
2.3.1. Requirement

According to FCC section 2.1055 & 27.54&24.235&22.355&90.213, 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°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 D01 v03r01 Section 9.0 and ANSI/TIA-603-E-2016.

2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.8Vdc, 4.35 Vdc and 3.23 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 (ppm)	Result
3.8	-30	54	0.029	PASS
	-20	-53	-0.028	
	-10	41	0.022	
	0	85	0.045	
	+10	79	0.042	
	+20	43	0.023	
	+30	-11	-0.006	
	+40	-39	-0.021	
	+50	55	0.029	
4.35	+20	17	0.009	
3.23	+20	-68	-0.036	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	40	0.023	PASS
	-20	68	0.039	
	-10	-26	-0.015	
	0	22	0.013	
	+10	77	0.044	
	+20	-79	-0.046	
	+30	3	0.002	
	+40	-45	-0.026	
	+50	-77	-0.044	
4.35	+20	-8	-0.005	
3.23	+20	70	0.040	

LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	32	0.038	PASS
	-20	-80	-0.096	
	-10	22	0.026	
	0	39	0.047	
	+10	24	0.029	
	+20	-11	-0.013	
	+30	45	0.054	
	+40	38	0.045	
	+50	-29	-0.035	
4.35	+20	73	0.087	
3.23	+20	6	0.007	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	-73	-0.029	PASS
	-20	-81	-0.032	
	-10	16	0.006	
	0	-50	-0.020	
	+10	-60	-0.024	
	+20	35	0.014	
	+30	-39	-0.015	
	+40	16	0.006	
	+50	80	0.032	
4.35	+20	82	0.032	
3.23	+20	-73	-0.029	

LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	55	0.078	PASS
	-20	-7	-0.010	
	-10	-50	-0.071	
	0	-34	-0.048	
	+10	15	0.021	
	+20	0	0.000	
	+30	3	0.004	
	+40	74	0.105	
	+50	-5	-0.007	
4.35	+20	-52	-0.073	
3.23	+20	-75	-0.106	

LTE Band 13, QPSK, Channel 23230, Frequency 782MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	8	0.010	PASS
	-20	-2	-0.003	
	-10	-33	-0.042	
	0	-88	-0.113	
	+10	37	0.047	
	+20	15	0.019	
	+30	69	0.088	
	+40	27	0.035	
	+50	-40	-0.051	
4.35	+20	-77	-0.098	
3.23	+20	45	0.058	

LTE Band 14, QPSK, Channel 23330, Frequency 793MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	-73	-0.092	PASS
	-20	-64	-0.081	
	-10	6	0.008	
	0	21	0.026	
	+10	-37	-0.047	
	+20	56	0.071	
	+30	-32	-0.040	
	+40	54	0.068	
	+50	2	0.003	
4.35	+20	-90	-0.113	
3.23	+20	12	0.015	

LTE Band 17, QPSK, Channel 23790, Frequency 710MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	52	0.073	PASS
	-20	-57	-0.080	
	-10	-19	-0.027	
	0	55	0.077	
	+10	25	0.035	
	+20	48	0.068	
	+30	39	0.055	
	+40	60	0.085	
	+50	-32	-0.045	
4.35	+20	84	0.118	
3.23	+20	7	0.010	

LTE Band 25, QPSK, Channel 26365, Frequency 1882.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	-25	-0.013	PASS
	-20	19	0.010	
	-10	-89	-0.047	
	0	3	0.002	
	+10	37	0.020	
	+20	26	0.014	
	+30	2	0.001	
	+40	-84	-0.045	
	+50	-38	-0.020	
4.35	+20	24	0.013	
3.23	+20	-70	-0.037	

LTE Band 26, QPSK, Channel 26865, Frequency 831.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	48	0.058	PASS
	-20	14	0.017	
	-10	62	0.075	
	0	4	0.005	
	+10	-64	-0.077	
	+20	17	0.020	
	+30	-80	-0.096	
	+40	-36	-0.043	
	+50	27	0.032	
4.35	+20	53	0.064	
3.23	+20	10	0.012	

LTE Band 38, QPSK, Channel 38000, Frequency 2595MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	-2	-0.001	PASS
	-20	-78	-0.030	
	-10	37	0.014	
	0	70	0.027	
	+10	84	0.032	
	+20	-29	-0.011	
	+30	-11	-0.004	
	+40	-18	-0.007	
	+50	86	0.033	
4.35	+20	25	0.010	
3.23	+20	70	0.027	

LTE Band 40, QPSK, Channel 39150, Frequency 2350MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	-15	-0.006	PASS
	-20	48	0.020	
	-10	75	0.032	
	0	61	0.026	
	+10	-37	-0.016	
	+20	43	0.018	
	+30	-68	-0.029	
	+40	-75	-0.032	
	+50	-71	-0.030	
4.35	+20	15	0.006	
3.23	+20	49	0.021	

LTE Band 41, QPSK, Channel 40620, Frequency 2593MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	22	0.008	PASS
	-20	-17	-0.007	
	-10	44	0.017	
	0	69	0.027	
	+10	-10	-0.004	
	+20	82	0.032	
	+30	-68	-0.026	
	+40	49	0.019	
	+50	58	0.022	
4.35	+20	87	0.034	
3.23	+20	-88	-0.034	

LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	-89	-0.051	PASS
	-20	-88	-0.050	
	-10	43	0.025	
	0	-80	-0.046	
	+10	84	0.048	
	+20	86	0.049	
	+30	52	0.030	
	+40	12	0.007	
	+50	-53	-0.030	
4.35	+20	31	0.018	
3.23	+20	-79	-0.045	

LTE Band 71, QPSK, Channel 133297, Frequency 680.5MHz				
Limit =Within Authorized Band				
Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
3.8	-30	61	0.090	PASS
	-20	-33	-0.048	
	-10	-71	-0.104	
	0	63	0.093	
	+10	60	0.088	
	+20	-60	-0.088	
	+30	-70	-0.103	
	+40	-48	-0.071	
	+50	35	0.051	
4.35	+20	48	0.071	
3.23	+20	40	0.059	

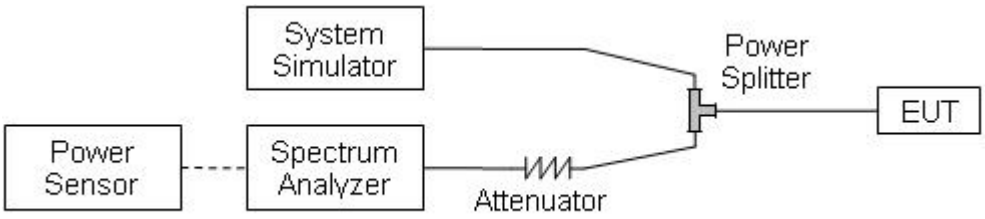
2.4. Peak to Average Radio

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 D01 v03r01 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 Radio(dB)**		
		QPSK	**16QAM**	**64QAM**
1.4	Low	3.92	5.74	5.77
	Middle	3.99	6.01	5.98
	High	4.07	5.95	5.92
3	Low	3.68	5.59	5.52
	Middle	3.73	5.90	5.87

LTE Band 2				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
	High	3.81	5.80	5.80
5	Low	3.70	5.67	5.63
	Middle	3.68	5.82	5.83
	High	3.76	5.67	5.65
10	Low	3.64	5.51	5.46
	Middle	3.69	5.76	5.81
	High	3.64	5.65	5.59
15	Low	3.61	5.53	5.42
	Middle	3.64	5.75	5.73
	High	3.59	5.41	5.46
20	Low	3.51	5.69	5.61
	Middle	3.60	5.55	5.57
	High	3.52	5.59	5.67

LTE Band 4				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	3.47	4.97	4.93
	Middle	3.19	4.58	4.58
	High	3.42	5.01	5.03
3	Low	3.27	4.81	4.77
	Middle	3.09	4.46	4.44
	High	3.31	4.98	5.01
5	Low	3.28	4.65	4.70
	Middle	3.09	4.54	4.54
	High	3.29	4.98	4.99
10	Low	3.19	4.77	4.77
	Middle	3.06	4.48	4.51

	High	3.25	4.94	4.95
15	Low	3.21	4.71	4.70
	Middle	3.11	4.49	4.5
	High	3.04	4.6	4.62
20	Low	3.14	4.76	4.74
	Middle	3.01	4.63	4.62
	High	2.86	4.36	4.34

LTE Band 5				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	3.63	5.37	5.40
	Middle	3.46	5.11	5.15
	High	3.51	5.10	5.12
3	Low	3.42	5.17	5.13
	Middle	3.27	5.03	5.02
	High	3.37	5.15	5.11
5	Low	3.43	5.33	5.29
	Middle	3.20	4.95	4.94
	High	3.39	5.09	5.03
10	Low	3.38	5.09	5.09
	Middle	3.24	5.13	5.13
	High	3.32	5.10	5.09

LTE Band 7				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	3.66	5.39	5.36
	Middle	3.72	5.69	5.65
	High	3.54	5.28	5.30

LTE Band 7				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
10	Low	3.56	5.24	5.19
	Middle	3.70	5.65	5.69
	High	3.38	4.96	5.01
15	Low	3.56	5.19	5.19
	Middle	3.66	5.55	5.71
	High	3.22	4.74	4.73
20	Low	3.50	5.38	5.41
	Middle	3.72	5.63	5.66
	High	3.14	4.76	4.73

LTE Band 12				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	3.95	5.82	5.93
	Middle	3.88	5.74	5.71
	High	3.72	5.33	5.34
3	Low	3.71	5.64	5.65
	Middle	3.69	5.65	5.62
	High	3.58	5.37	5.33
5	Low	3.74	5.79	5.73
	Middle	3.63	5.64	5.64
	High	3.55	5.17	5.19
10	Low	3.65	5.55	5.56
	Middle	3.62	5.59	5.70
	High	3.53	5.41	5.35

LTE Band 13				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM

LTE Band 13				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	3.55	5.47	5.44
	Middle	3.50	5.46	5.46
	High	3.56	5.27	5.25
10	Low	/	/	/
	Middle	3.52	5.31	5.33
	High	/	/	/

LTE Band 14				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	3.5	5.28	5.26
	Middle	3.44	5.41	5.45
	High	3.50	5.23	5.22
10	Low	/	/	/
	Middle	3.40	5.13	5.12
	High	/	/	/

LTE Band 17				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	4.07	5.59	5.55
	Middle	3.78	5.47	5.51
	High	4.10	5.58	5.60
10	Low	3.94	5.37	5.35
	Middle	3.85	5.47	5.55
	High	3.76	5.34	5.29

LTE Band 25				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	3.94	5.78	5.73
	Middle	3.95	5.96	6.00
	High	3.95	5.68	5.57
3	Low	3.73	5.51	5.49
	Middle	3.72	5.85	5.91
	High	3.70	5.70	5.59
5	Low	3.72	5.62	5.58
	Middle	3.69	5.79	5.81
	High	3.77	5.55	5.58
10	Low	3.65	5.44	5.45
	Middle	3.70	5.79	5.79
	High	3.70	5.66	5.68
15	Low	3.62	5.43	5.41
	Middle	3.63	5.76	5.73
	High	3.61	5.59	5.62
20	Low	3.53	5.69	5.66
	Middle	3.65	5.55	5.67
	High	3.53	5.52	5.63

LTE Band 26				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	3.87	5.58	5.54
	Middle	3.74	5.53	5.54
	High	3.60	5.16	5.13
3	Low	3.64	5.32	5.32
	Middle	3.57	5.48	5.48
	High	3.49	5.20	5.21

LTE Band 26				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	3.59	5.48	5.42
	Middle	3.55	5.57	5.57
	High	3.48	5.11	5.11
10	Low	3.53	5.27	5.26
	Middle	3.55	5.66	5.73
	High	3.32	4.98	4.96
15	Low	3.46	5.2	5.21
	Middle	3.56	5.66	5.71
	High	3.29	4.90	4.91

LTE Band 38				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	6.78	9.09	11.09
	Middle	6.98	9.36	9.48
	High	7.08	8.77	9.55
10	Low	6.98	8.90	9.09
	Middle	6.74	9.48	9.78
	High	7.34	9.31	9.10
15	Low	6.93	9.33	9.00
	Middle	7.10	8.72	9.26
	High	7.05	7.79	9.46
20	Low	8.74	9.10	9.20
	Middle	8.92	9.18	9.38
	High	6.88	9.00	9.01

LTE Band 40				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	6.78	9.67	9.23
	Middle	6.87	9.42	7.90
	High	6.78	8.88	9.19
10	Low	7.06	9.45	8.95
	Middle	7.84	9.07	9.09
	High	6.86	7.77	8.86
15	Low	6.81	7.28	8.57
	Middle	8.86	8.89	8.58
	High	6.98	9.01	7.19
20	Low	6.70	7.55	8.53
	Middle	6.83	8.99	9.20
	High	7.00	9.19	8.13

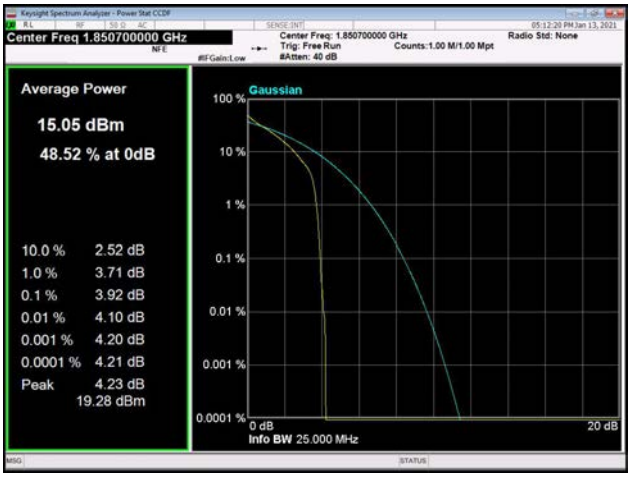
LTE Band 41				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	8.52	10.32	10.52
	Middle	10.33	10.17	10.56
	High	8.45	9.20	8.46
10	Low	8.40	11.89	11.57
	Middle	9.82	10.26	9.04
	High	8.17	9.24	9.16
15	Low	10.14	10.43	10.38
	Middle	8.86	10.58	10.25
	High	8.63	9.18	9.17
20	Low	10.45	9.10	8.84
	Middle	10.28	9.96	9.87
	High	8.35	10.14	9.74

LTE Band 66				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
1.4	Low	3.87	5.69	5.68
	Middle	3.83	5.59	5.59
	High	3.96	5.75	5.73
3	Low	3.59	5.41	5.41
	Middle	3.64	5.58	5.58
	High	3.65	5.59	5.57
5	Low	3.58	5.40	5.45
	Middle	3.61	5.33	5.31
	High	3.68	5.45	5.45
10	Low	3.52	5.31	5.33
	Middle	3.54	5.38	5.40
	High	3.55	5.44	5.46
15	Low	3.50	5.31	5.30
	Middle	3.46	5.33	5.32
	High	3.50	5.32	5.31
20	Low	3.46	5.28	5.25
	Middle	3.48	5.26	5.31
	High	3.50	5.45	5.50

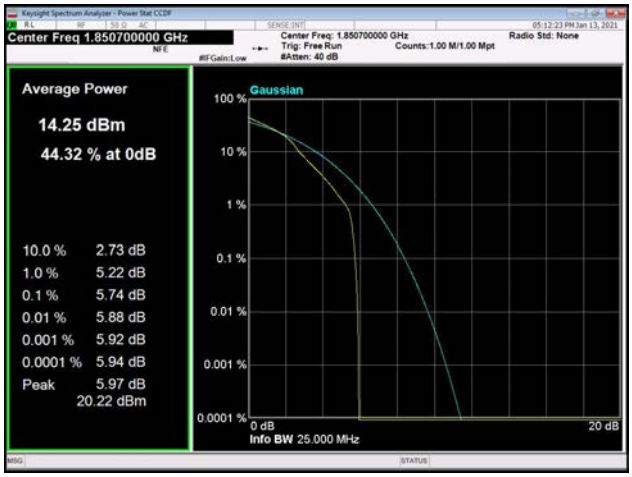
TE Band 71				
Bandwidth (MHz)	Channel	Peak to Average Radio(dB)		
		QPSK	16QAM	64QAM
5	Low	5.02	5.73	5.70
	Middle	4.74	5.45	5.49
	High	4.12	4.76	4.70
10	Low	6.11	5.24	5.24
	Middle	4.86	5.50	5.53
	High	4.82	5.42	5.42
15	Low	4.50	5.16	5.27
	Middle	4.90	5.69	5.72
	High	5.31	6.23	6.13
20	Low	4.75	5.68	5.70
	Middle	4.88	5.90	5.93
	High	5.93	6.12	6.38

LTE Band 2 _ Peak-to-Average Radio

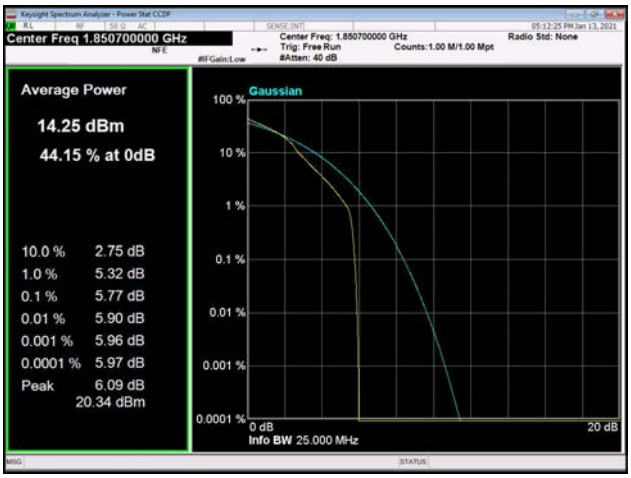
1.4MHz / QPSK / Low Channel



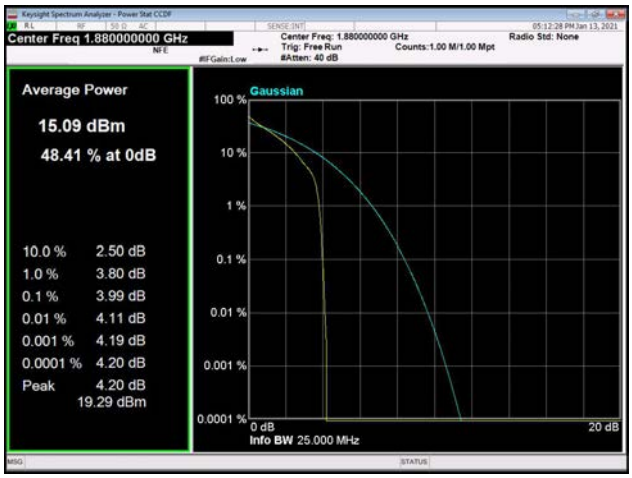
1.4MHz / 16QAM / Low Channel



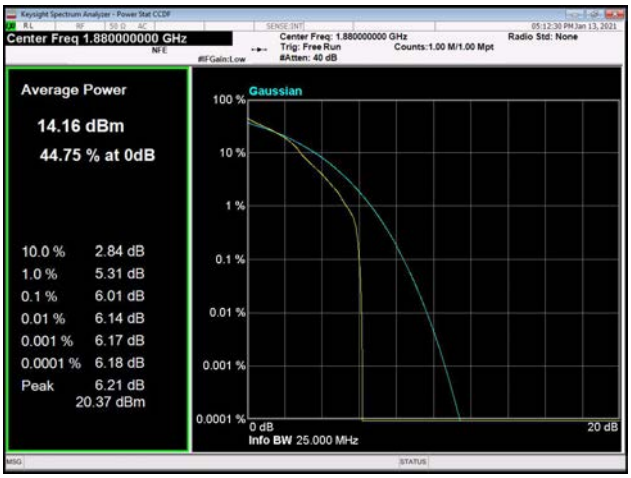
1.4MHz / 64QAM / Low Channel



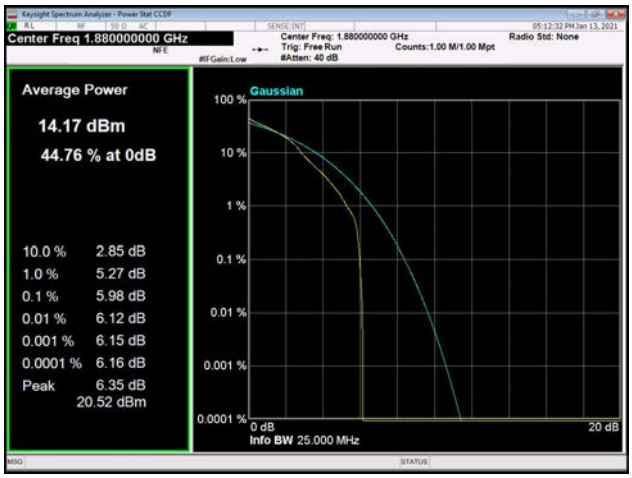
1.4MHz / QPSK / Middle Channel

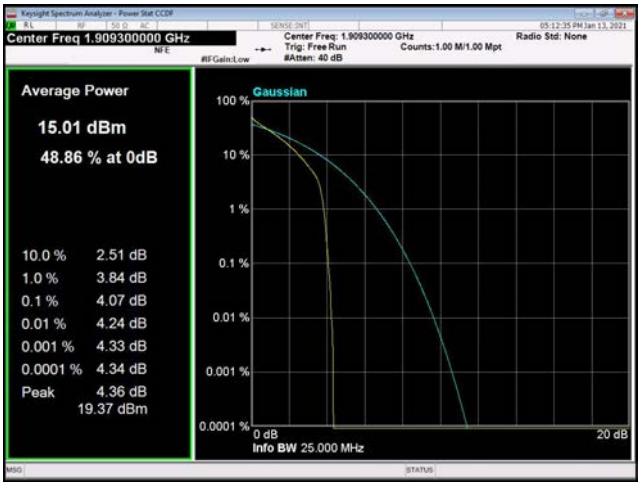
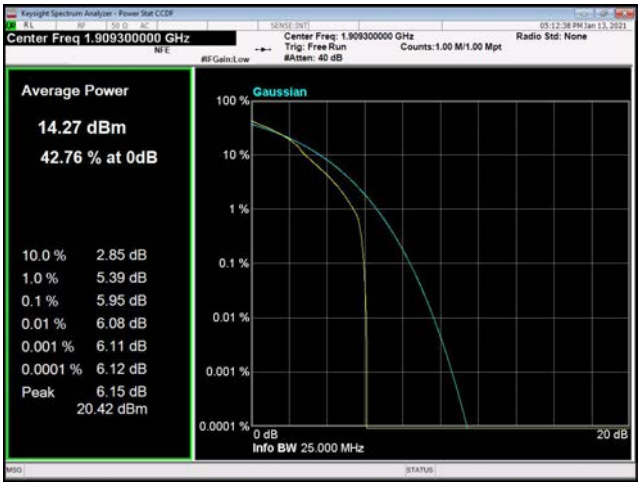
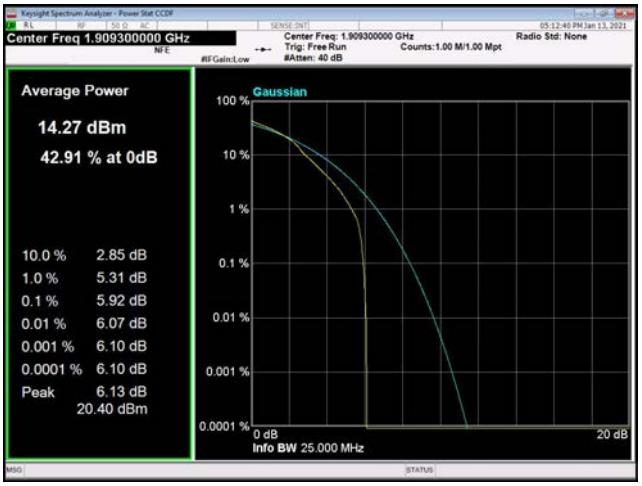
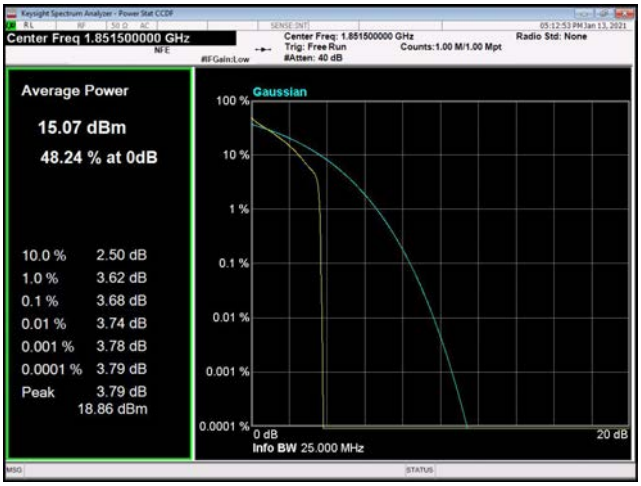
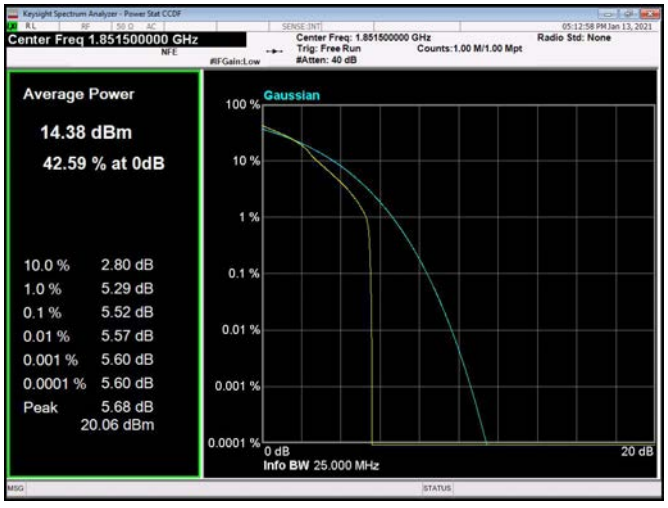


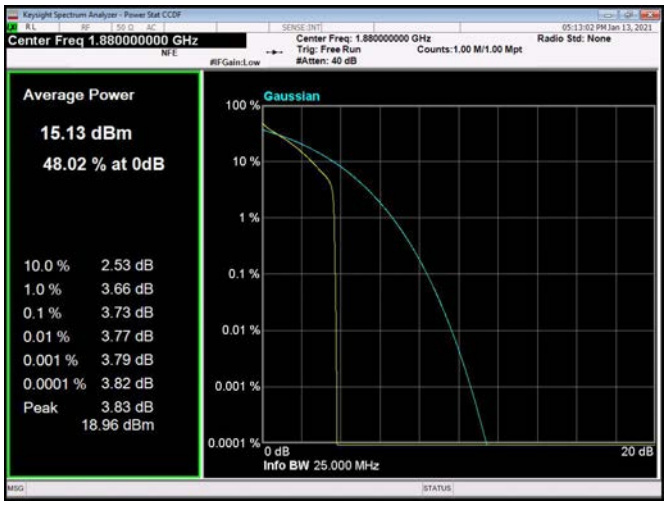
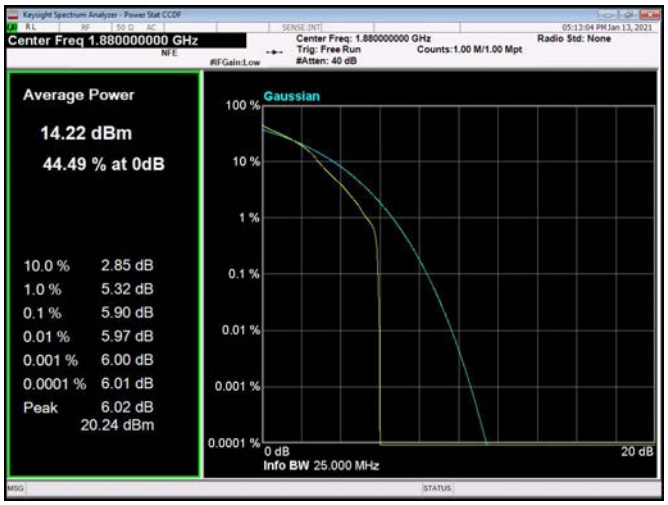
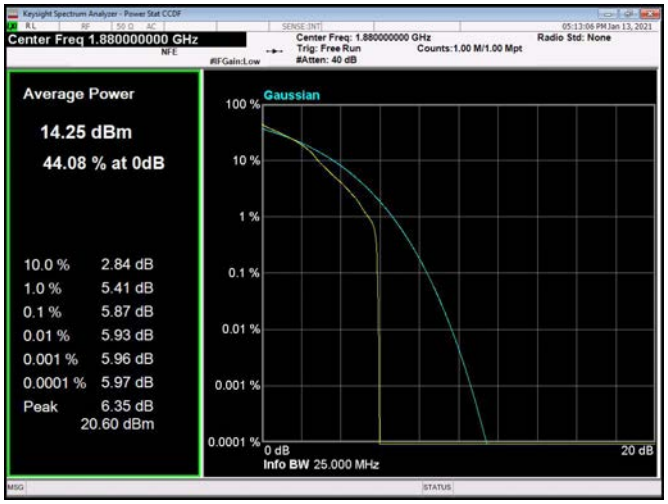
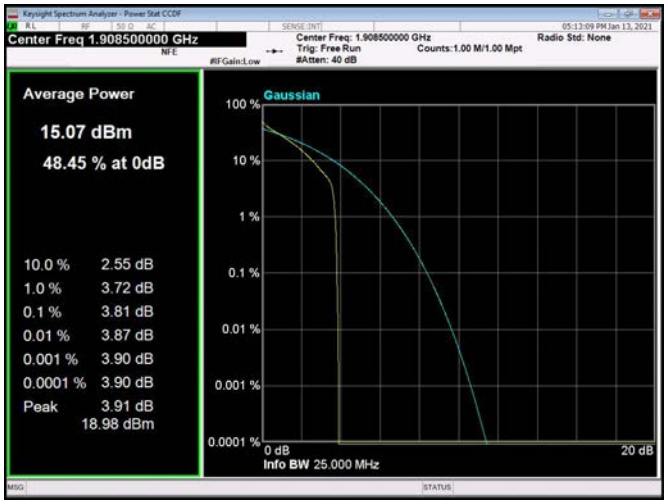
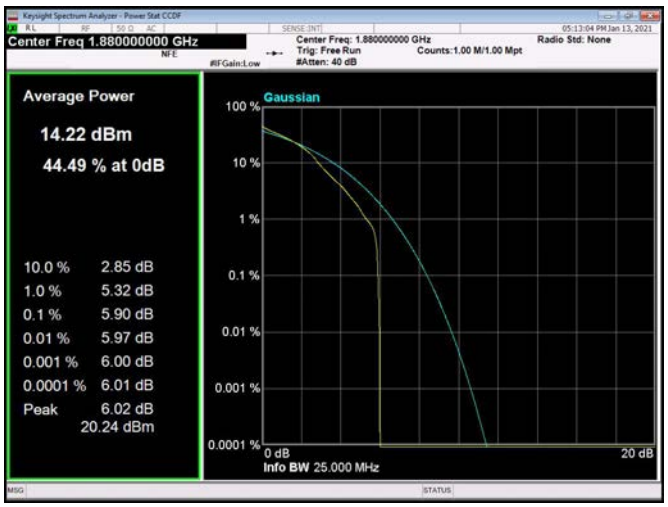
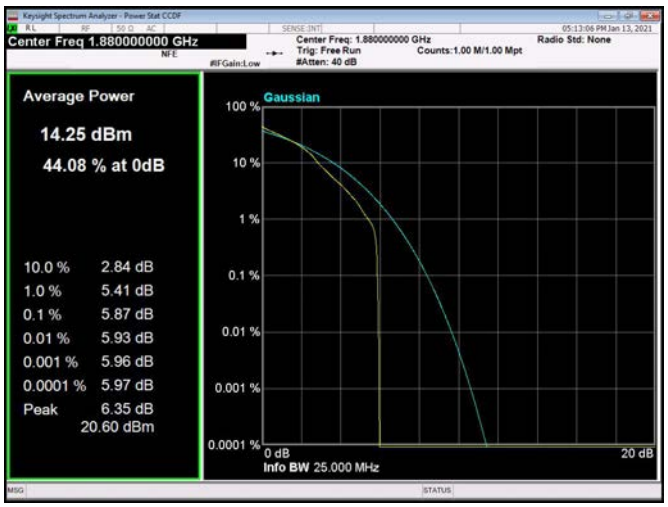
1.4MHz / 16QAM / Middle Channel

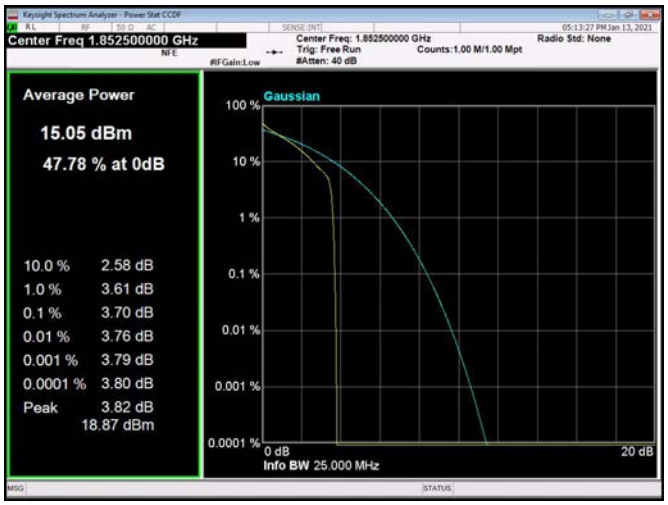
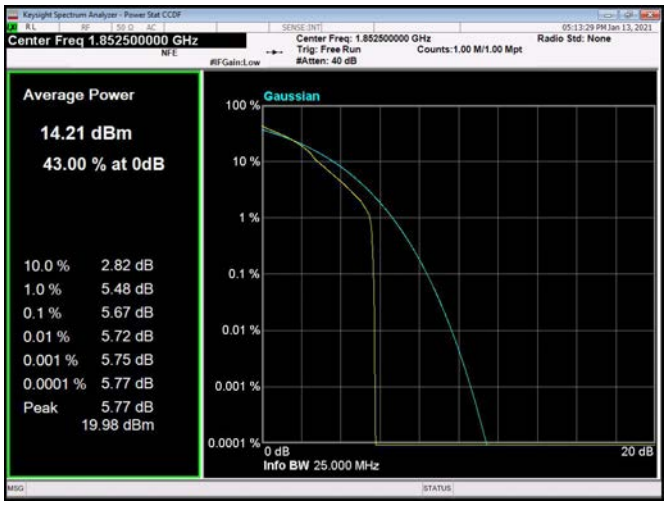
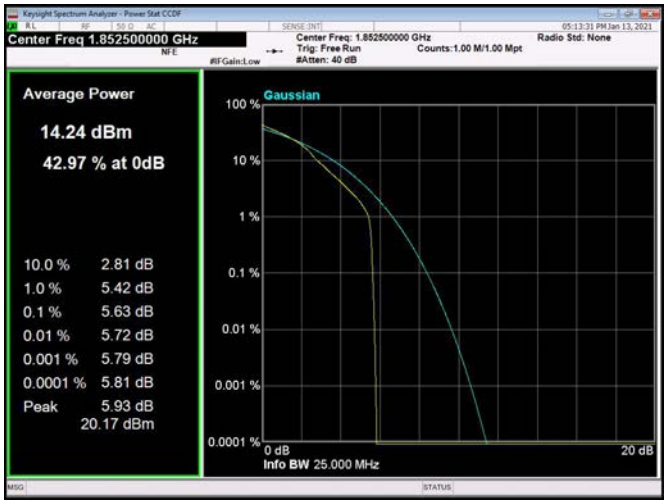
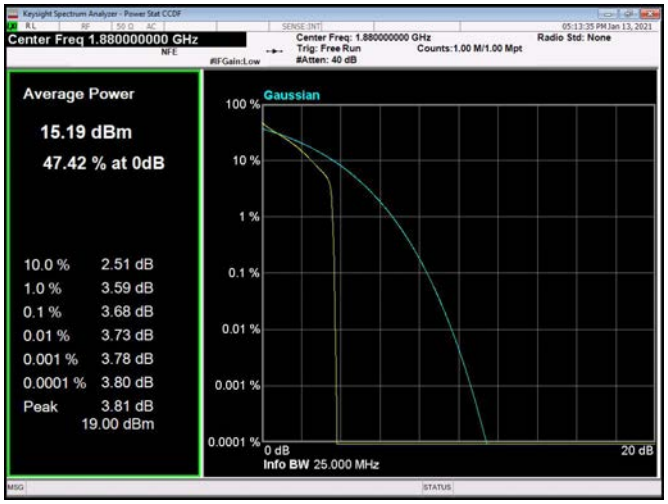
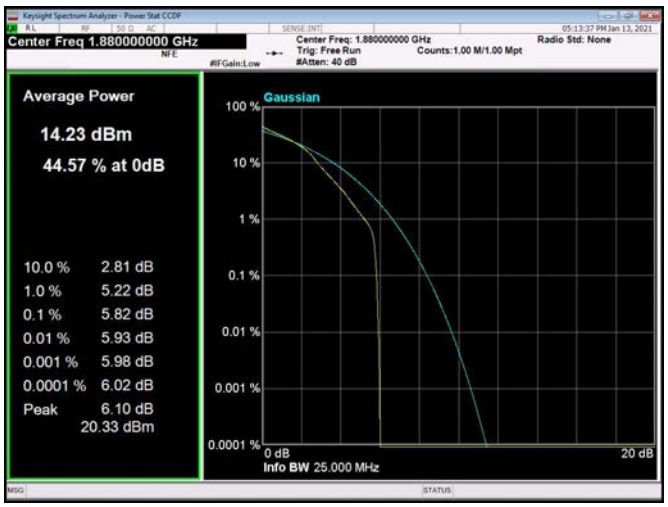
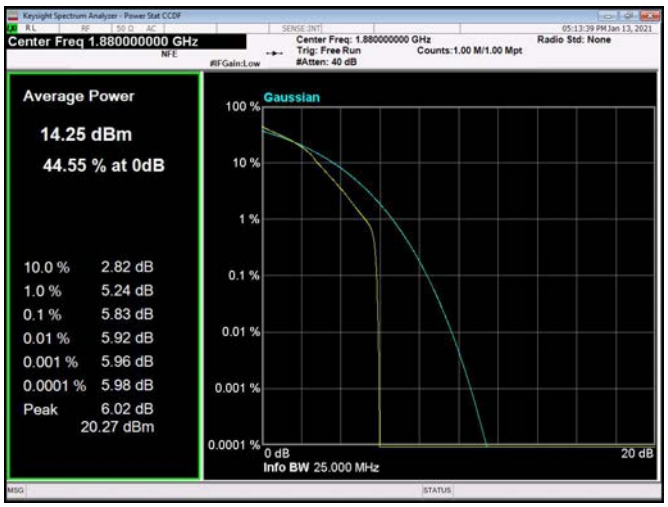


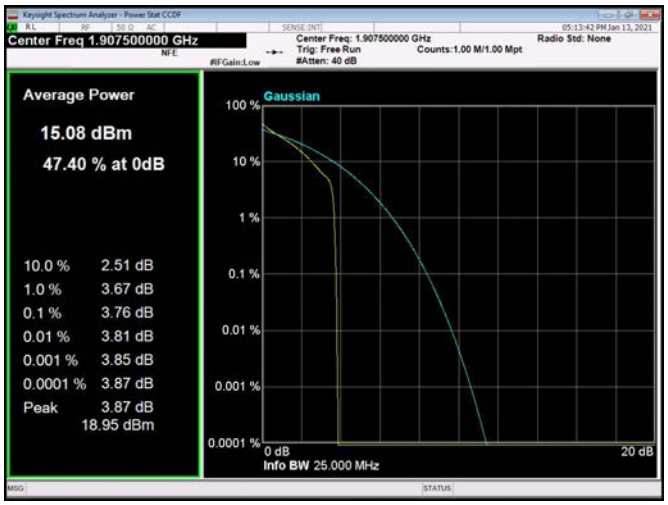
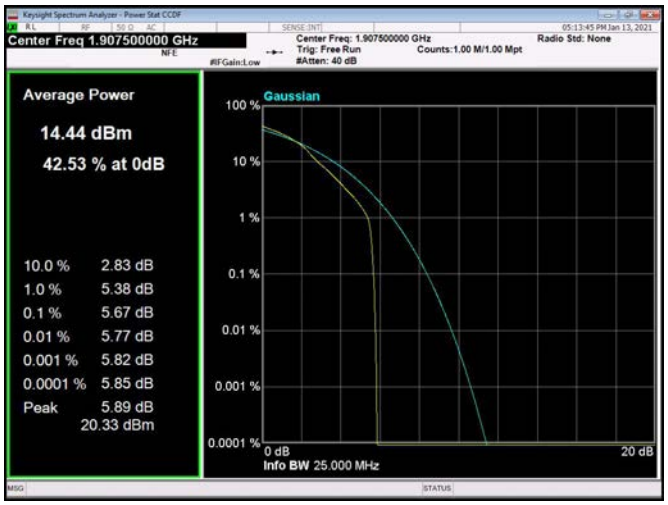
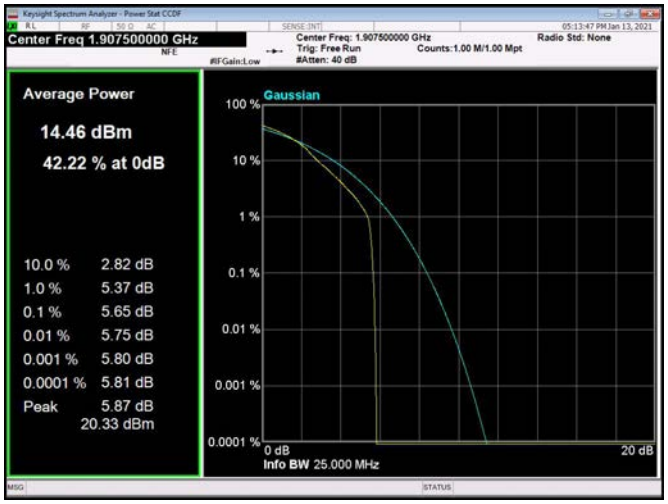
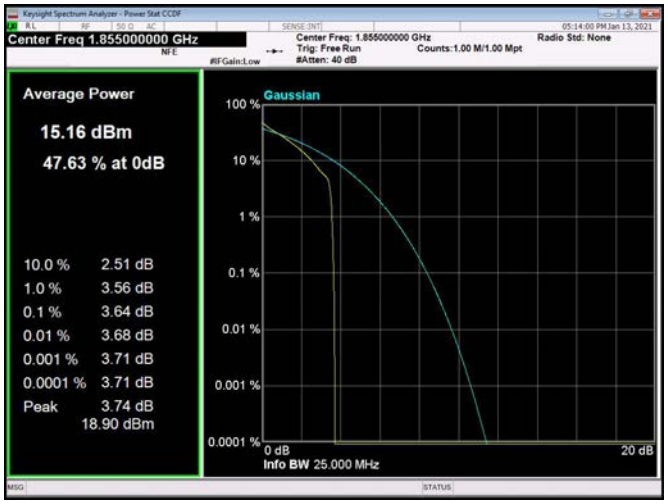
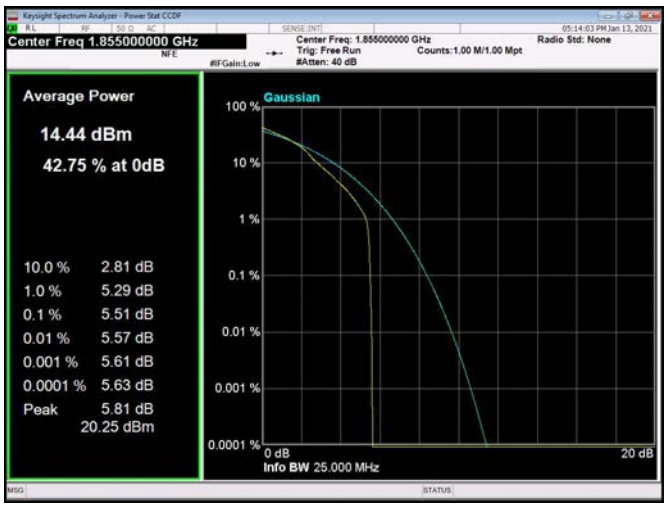
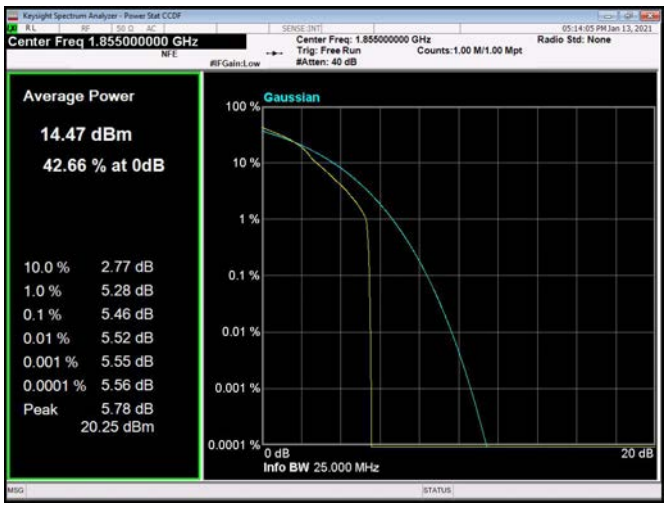
1.4MHz / 64QAM / Middle Channel

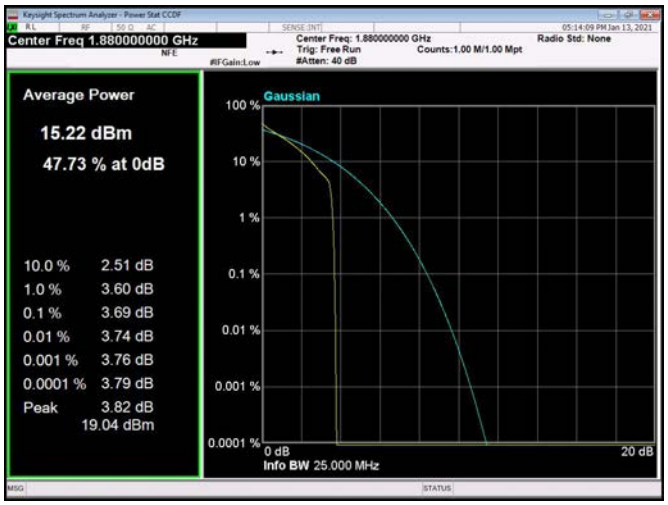
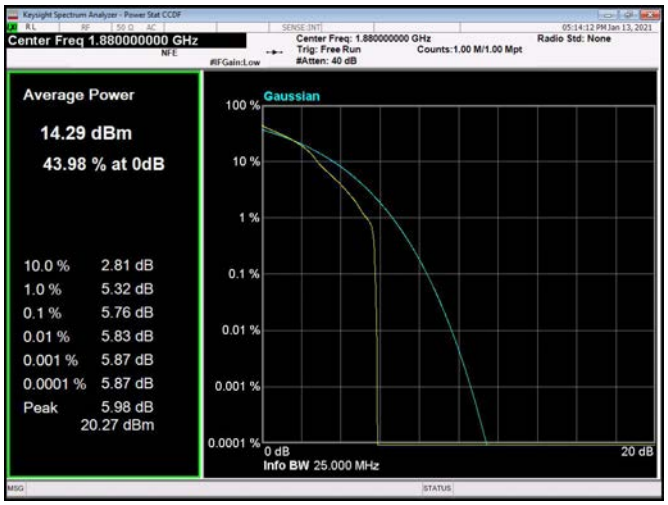
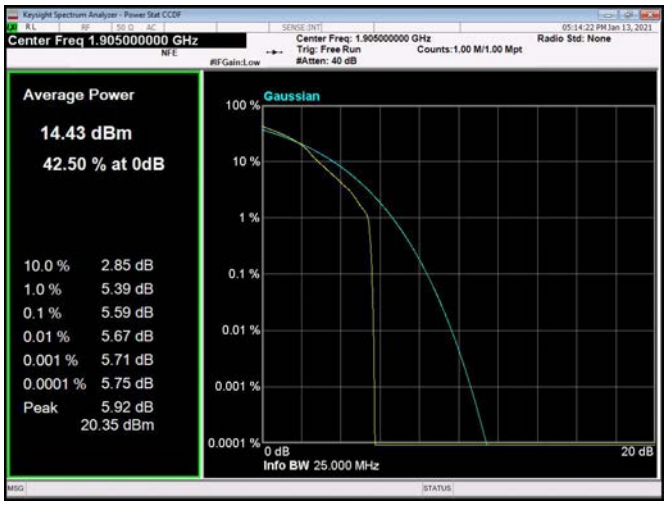
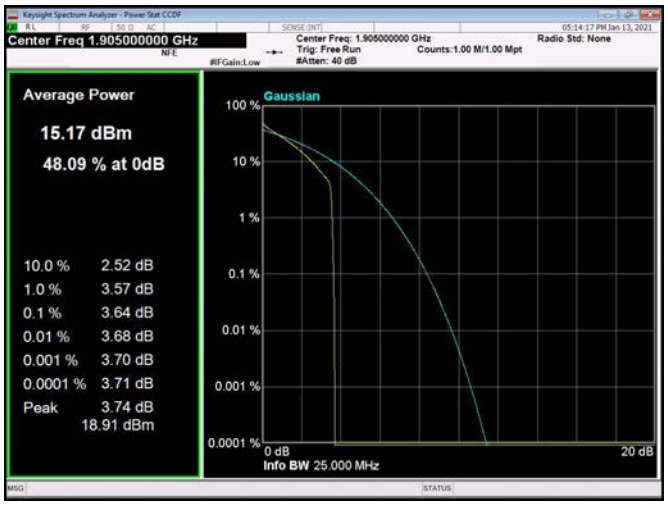
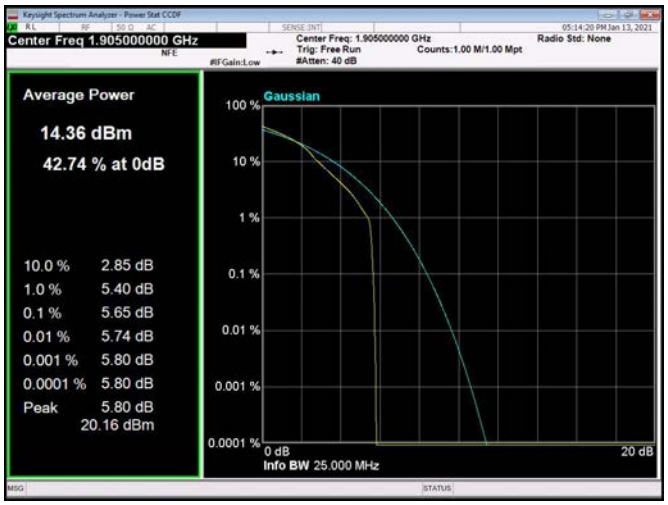
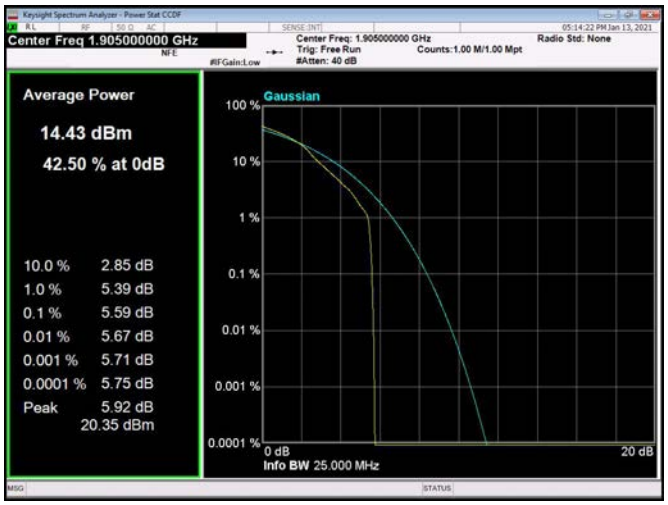


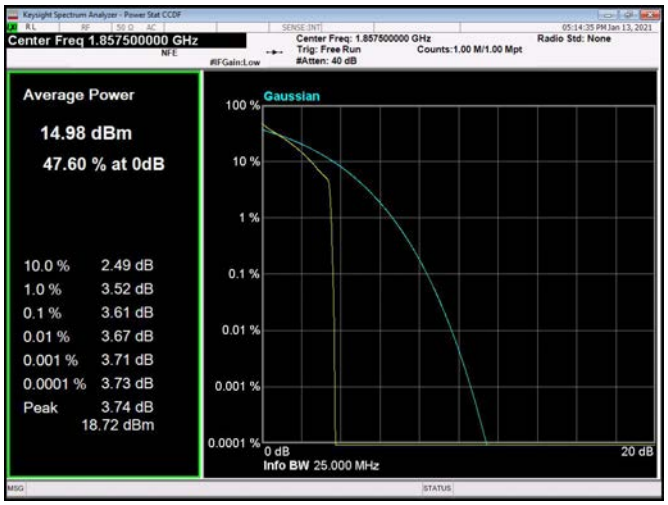
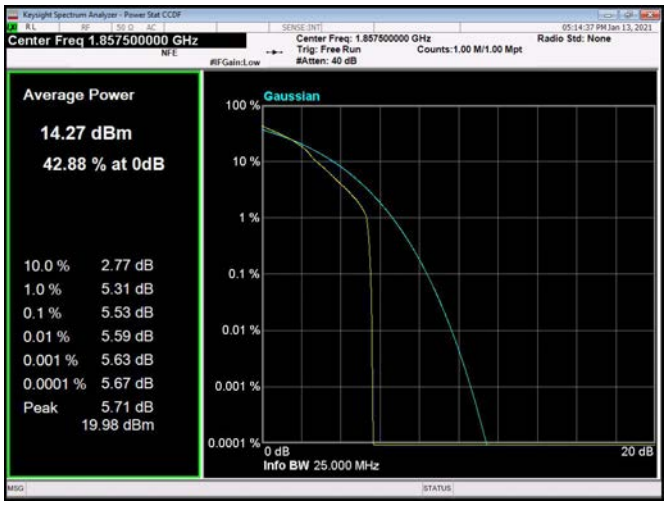
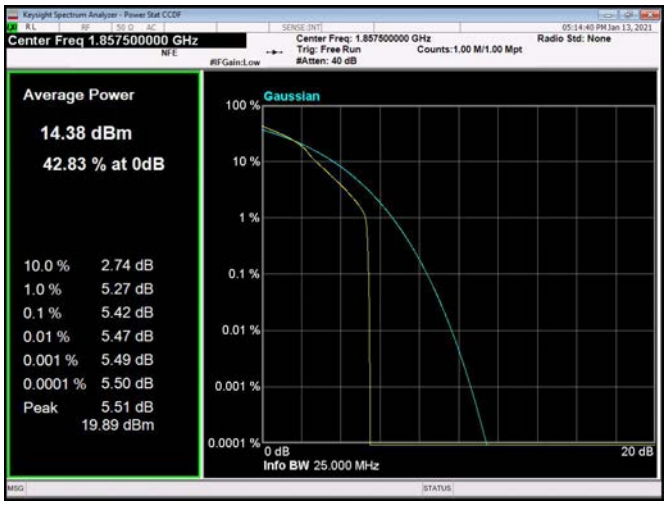
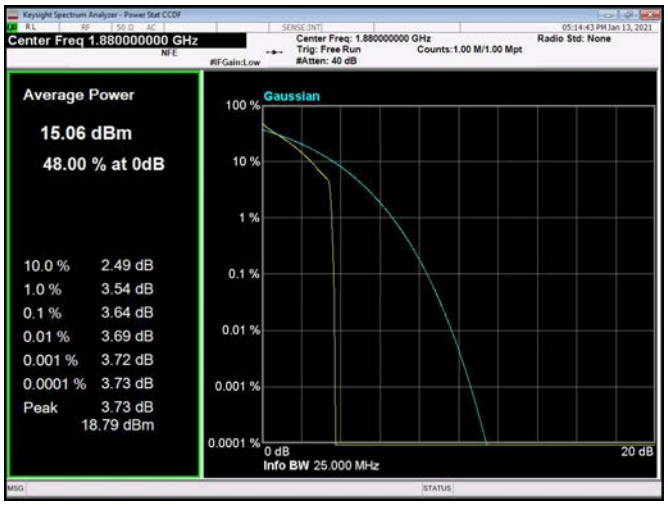
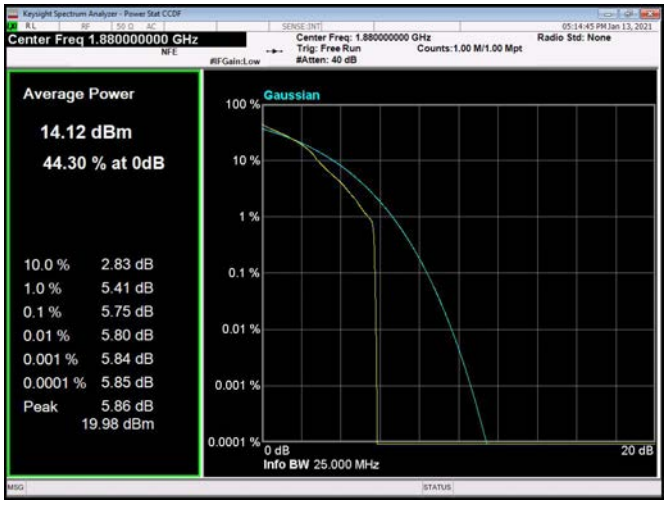
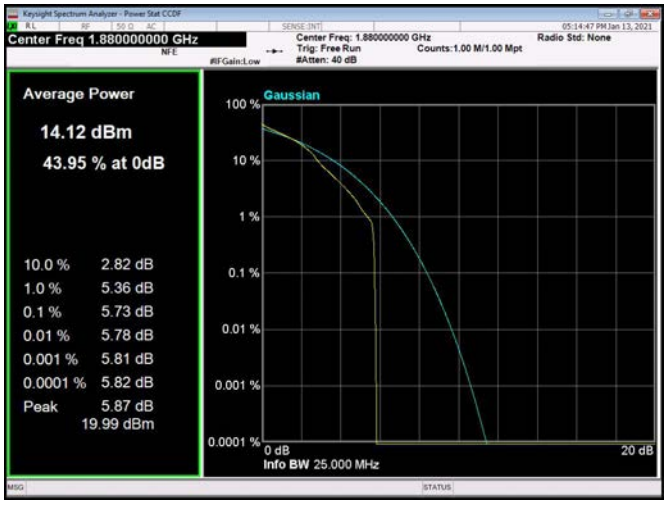
1.4MHz / QPSK / High Channel	1.4MHz / 16QAM / High Channel
	
1.4MHz / 64QAM / High Channel	**3MHz / QPSK / Low Channel**
	
3MHz / 16QAM / Low Channel	**3MHz / 64QAM / Low Channel**
	

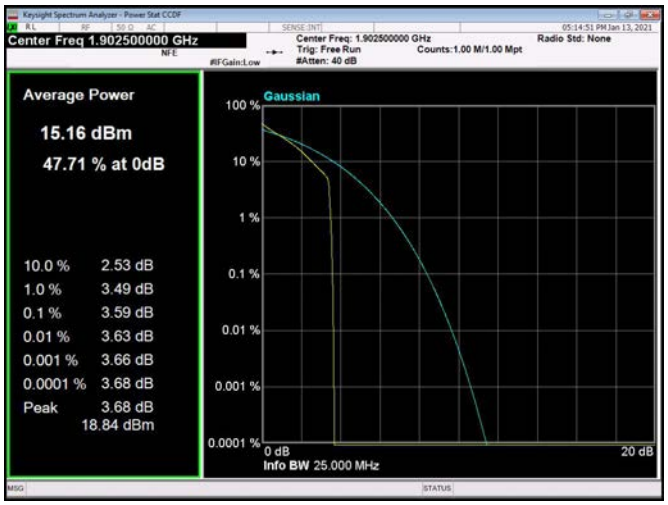
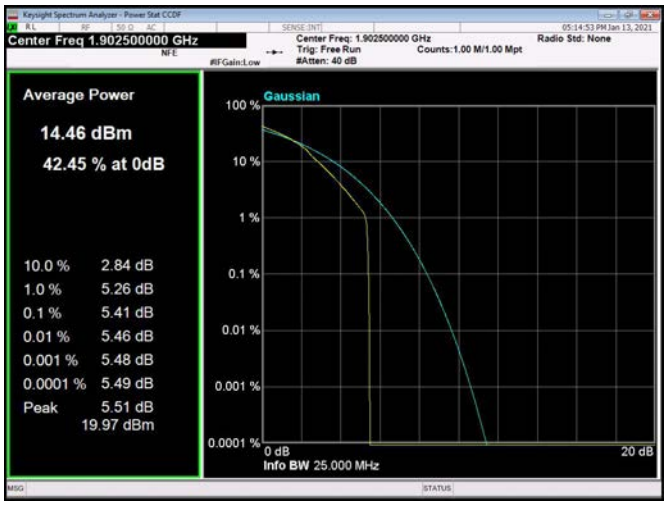
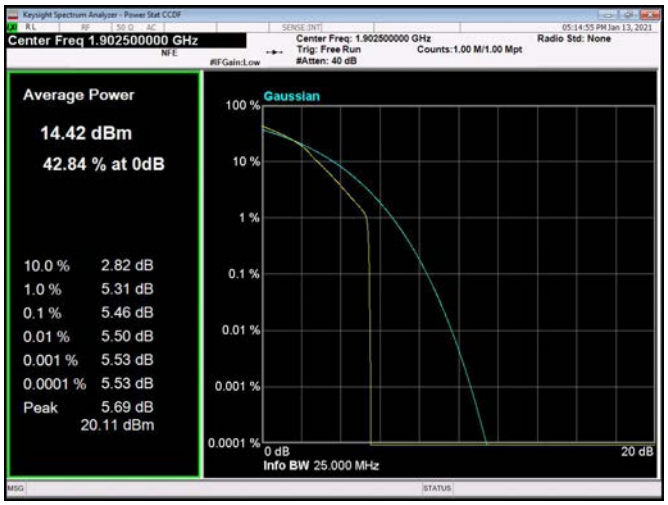
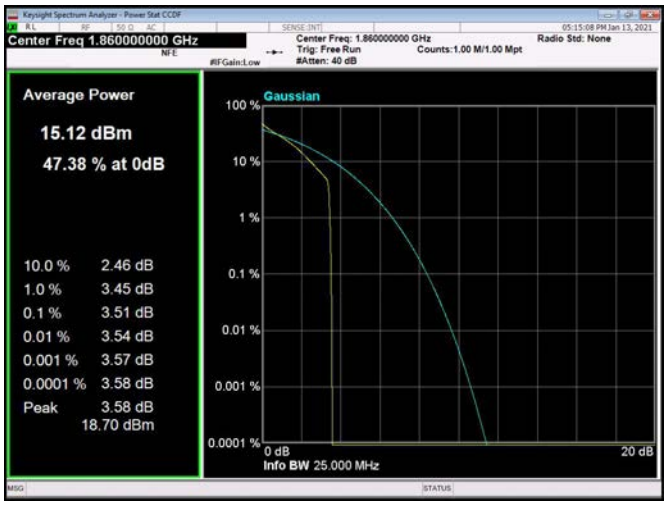
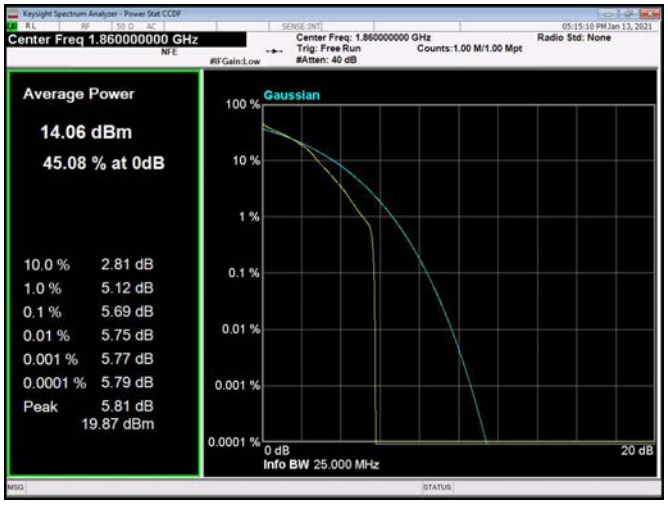
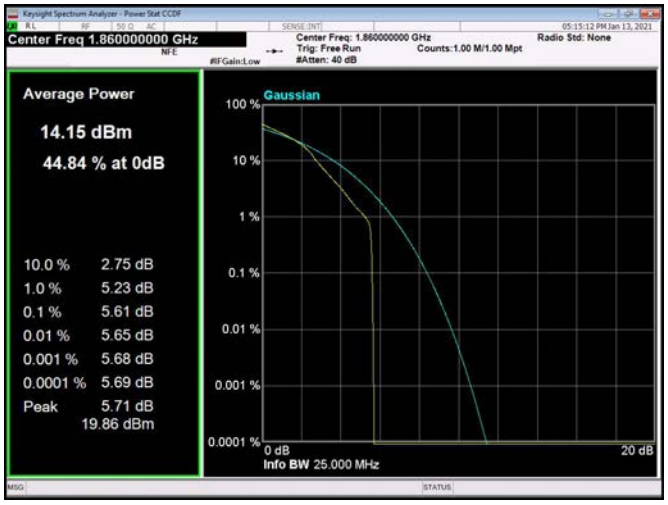
3MHz / QPSK / Middle Channel	3MHz / 16QAM / Middle Channel
	
3MHz / 64QAM / Middle Channel	**3MHz / QPSK / High Channel**
	
3MHz / 16QAM / High Channel	**3MHz / 64QAM / High Channel**
	

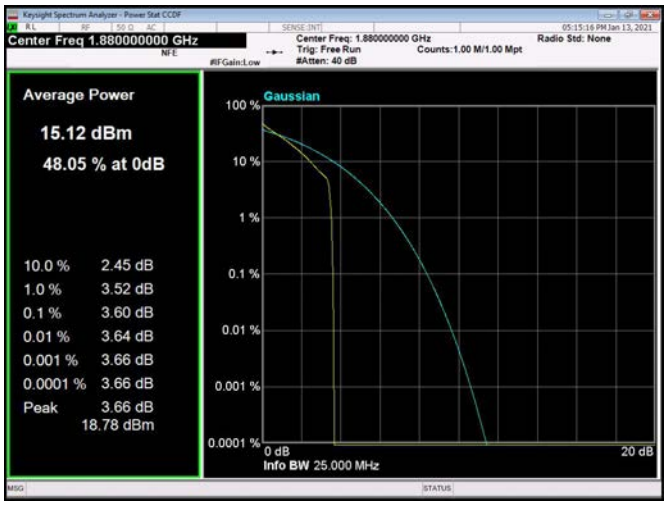
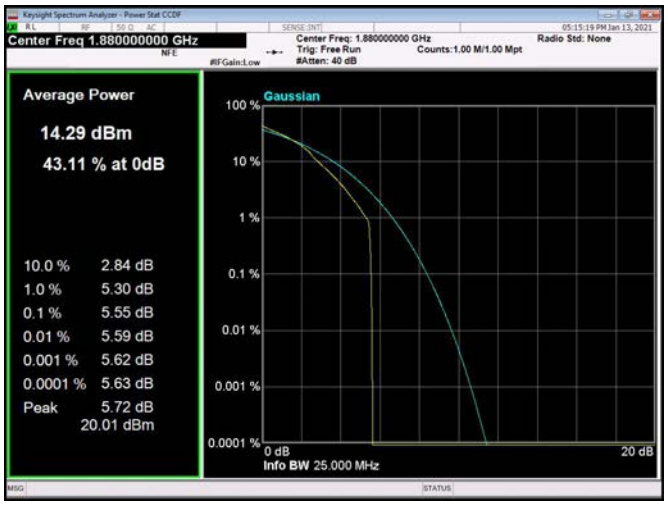
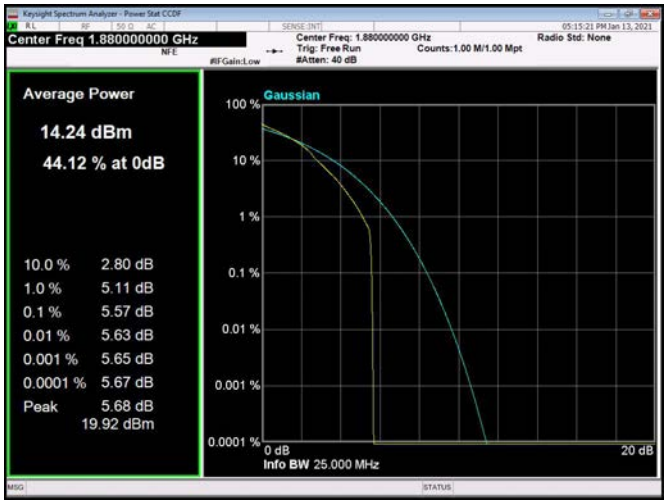
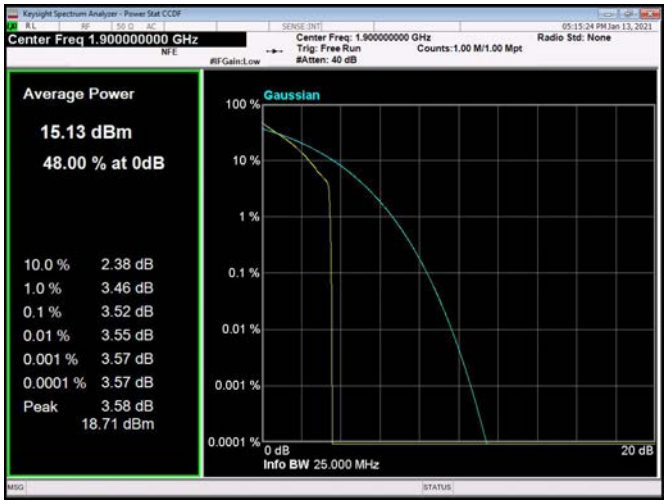
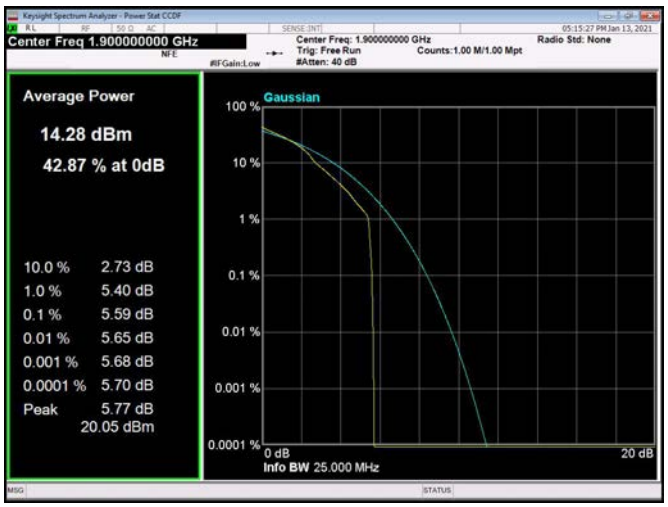
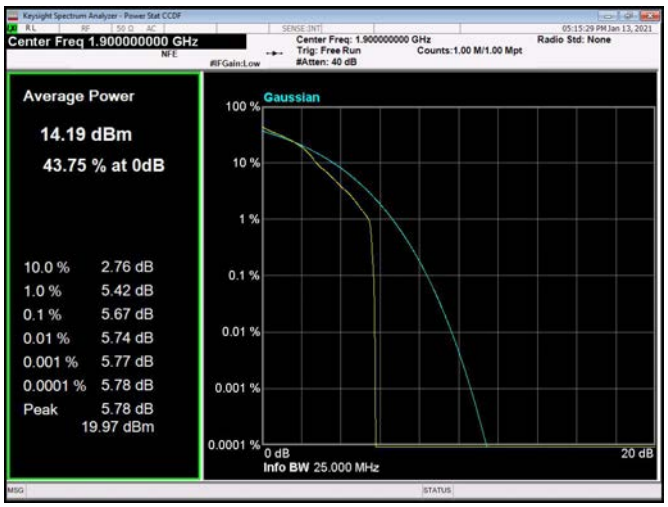
5MHz / QPSK / Low Channel	5MHz / 16QAM / Low Channel
	
5MHz / 64QAM / Low Channel	**5MHz / QPSK / Middle Channel**
	
5MHz / 16QAM / Middle Channel	**5MHz / 64QAM / Middle Channel**
	

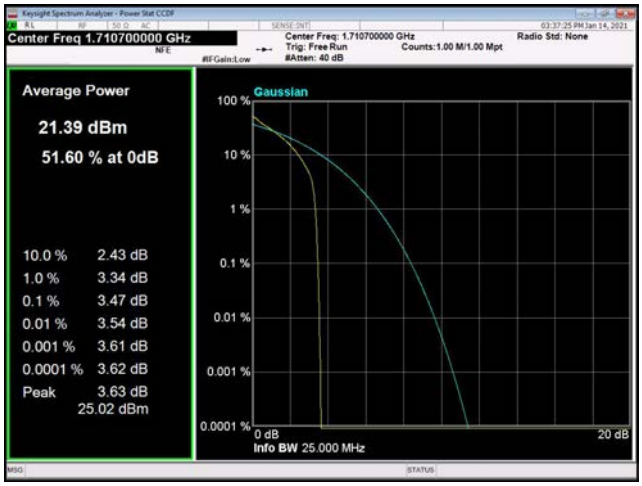
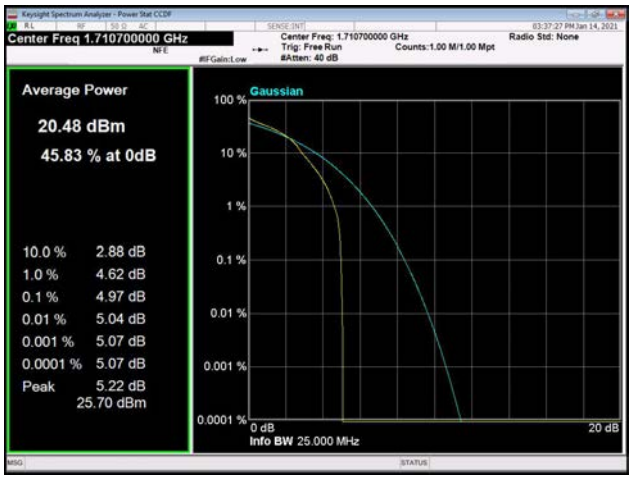
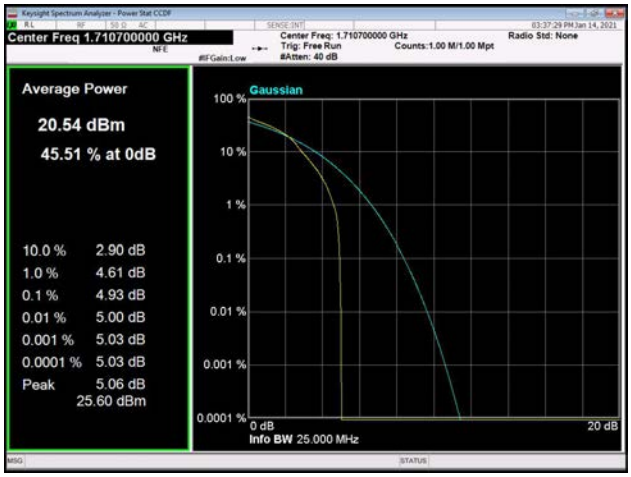
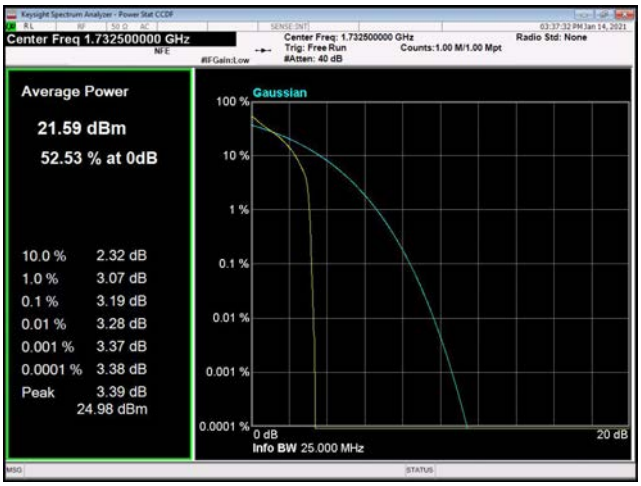
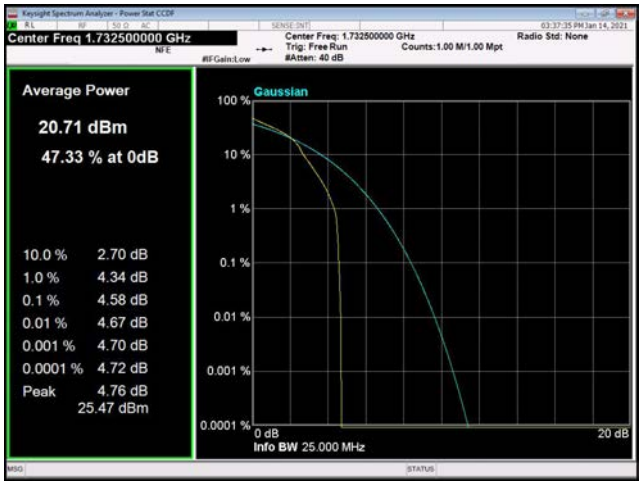
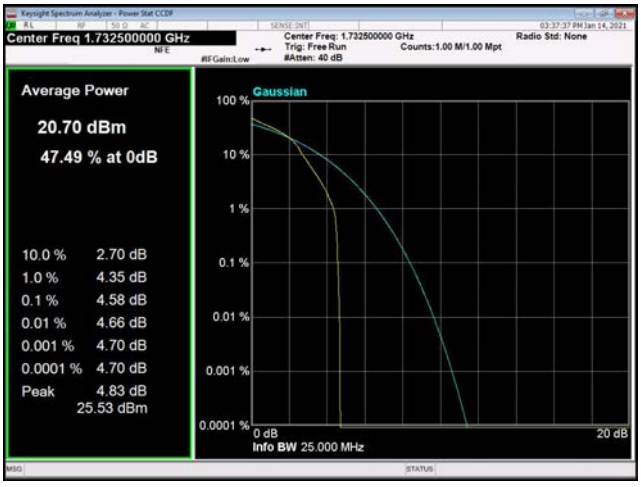
5MHz / QPSK / High Channel	5MHz / 16QAM / High Channel
	
5MHz / 64QAM / High Channel	**10MHz / QPSK / Low Channel**
	
10MHz / 16QAM / Low Channel	**10MHz / 64QAM / Low Channel**
	

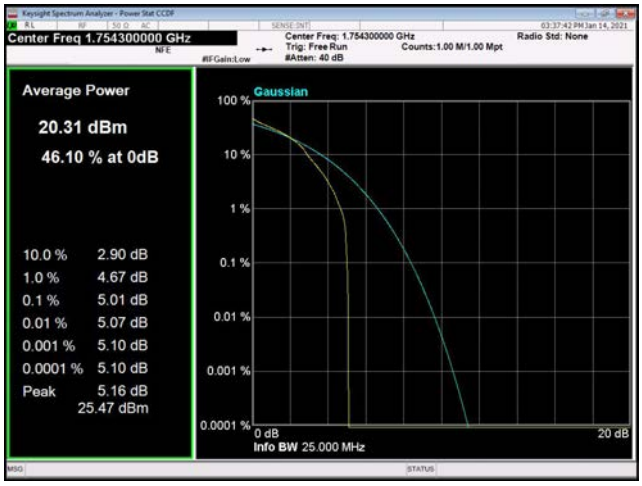
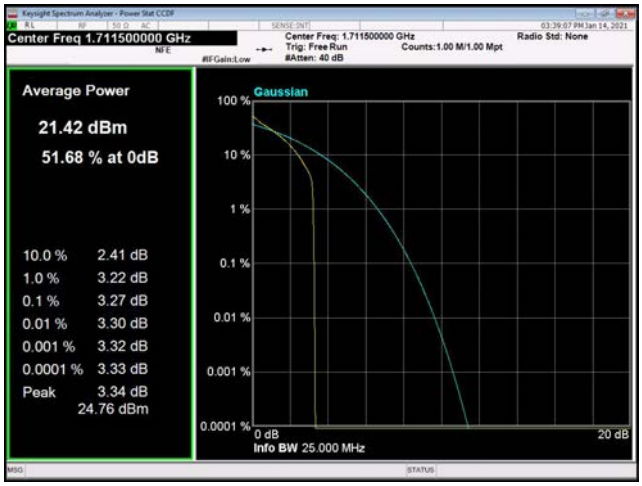
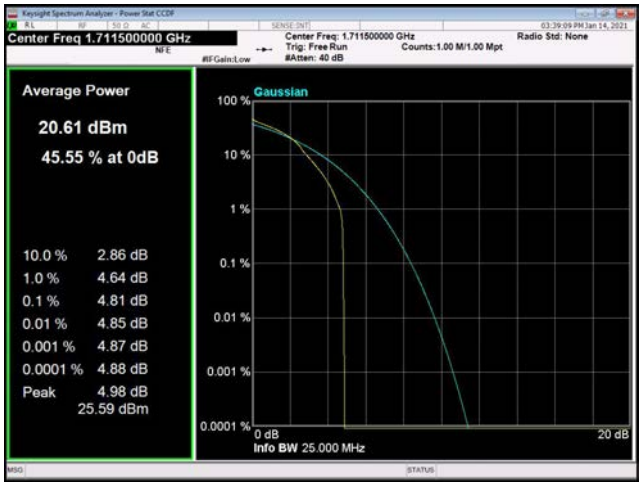
10MHz / QPSK / Middle Channel	10MHz / 16QAM / Middle Channel
	
10MHz / 64QAM / Middle Channel	**10MHz / QPSK / High Channel**
	
10MHz / 16QAM / High Channel	**10MHz / 64QAM / High Channel**
	

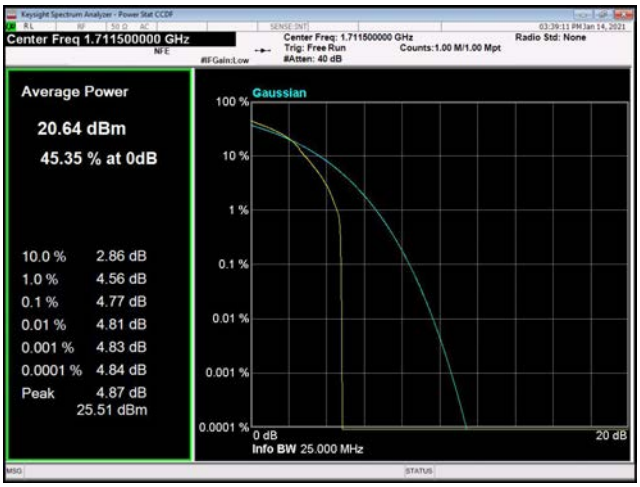
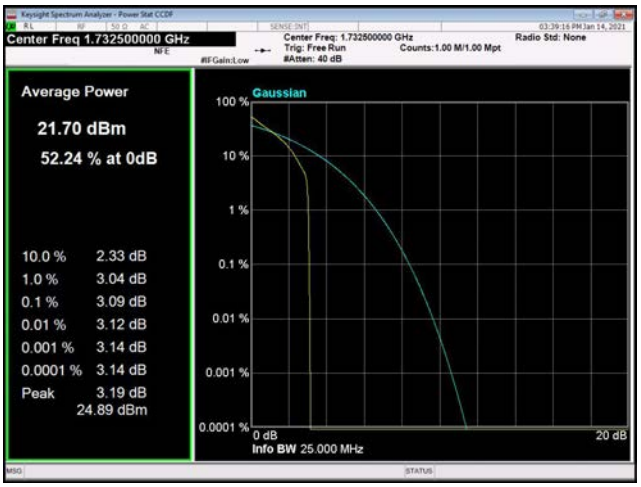
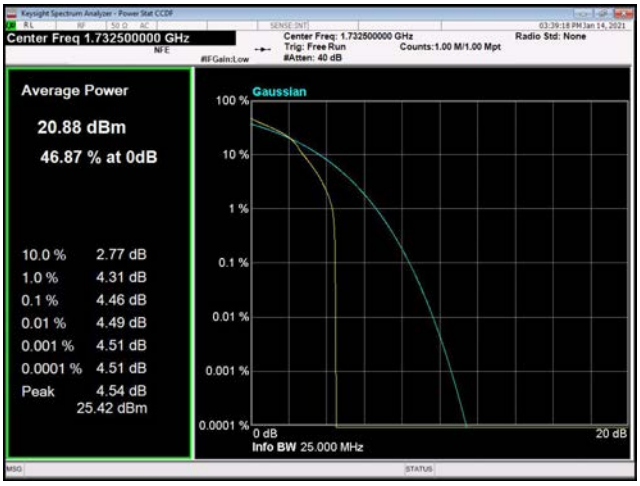
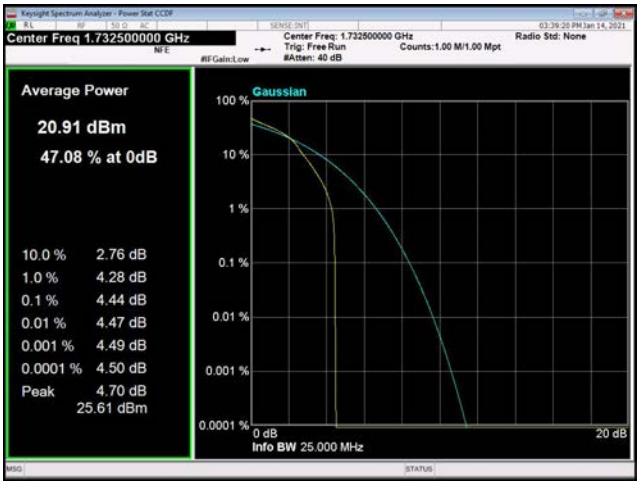
15MHz / QPSK / Low Channel	15MHz / 16QAM / Low Channel
	
15MHz / 64QAM / Low Channel	**15MHz / QPSK / Middle Channel**
	
15MHz / 16QAM / Middle Channel	**15MHz / 64QAM / Middle Channel**
	

15MHz / QPSK / High Channel	15MHz / 16QAM / High Channel
	
15MHz / 64QAM / High Channel	**20MHz / QPSK / Low Channel**
	
20MHz / 16QAM / Low Channel	**20MHz / 64QAM / Low Channel**
	

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 Radio	
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**
	

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	3MHz / QPSK / Middle Channel
	
3MHz / 16QAM / Middle Channel	**3MHz / 64QAM / Middle Channel**
	
3MHz / QPSK / High Channel	**3MHz / 16QAM / High Channel**