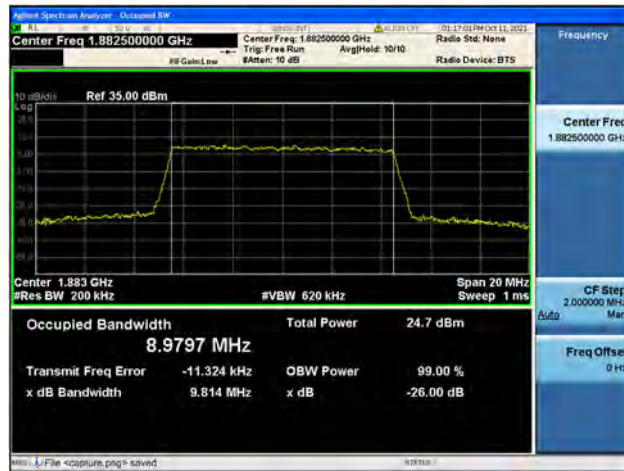
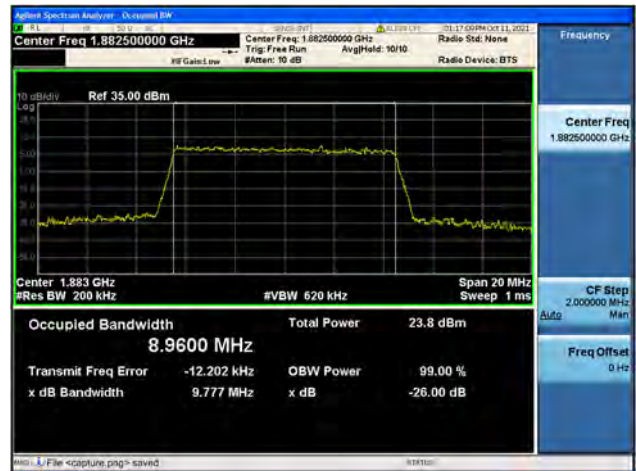




Band25 / 10MHz / Mid CH / QPSK



Band25 / 10MHz / Mid CH / 16QAM



Band25 / 10MHz / Mid CH / 64QAM



Band25 / 10MHz / High CH / QPSK



Band25 / 10MHz / High CH / 16QAM



Band25 / 10MHz / High CH / 64QAM





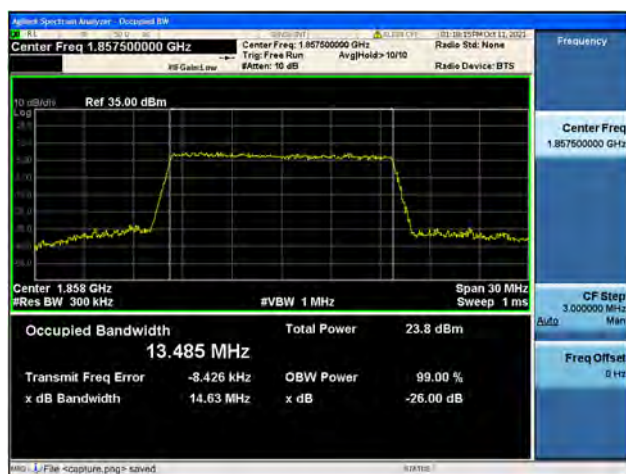
Band25 / 15MHz / Low CH / QPSK



Band25 / 15MHz / Low CH / 16QAM



Band25 / 15MHz / Low CH / 64QAM



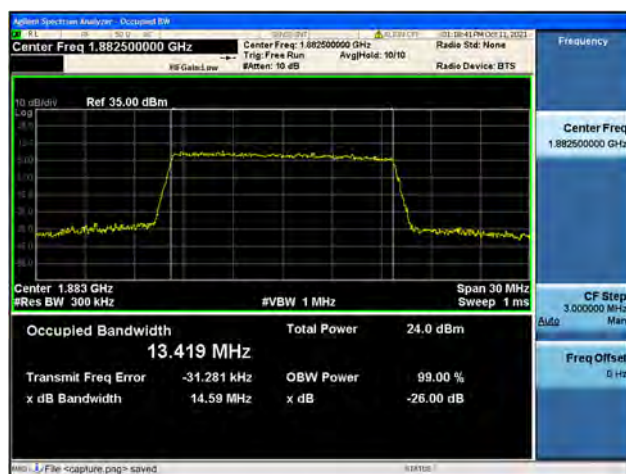
Band25 / 15MHz / Mid CH / QPSK



Band25 / 15MHz / Mid CH / 16QAM

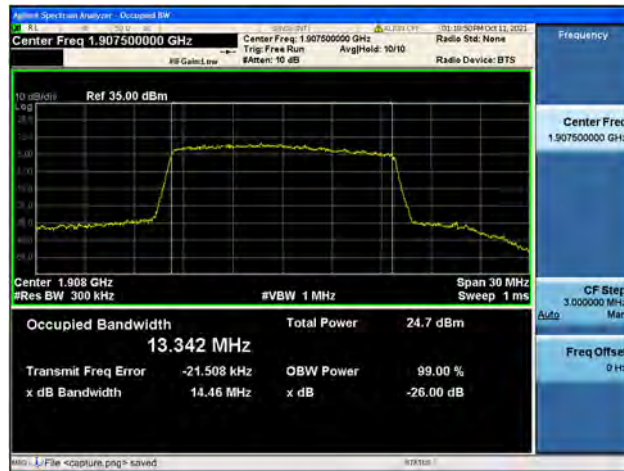


Band25 / 15MHz / Mid CH / 64QAM

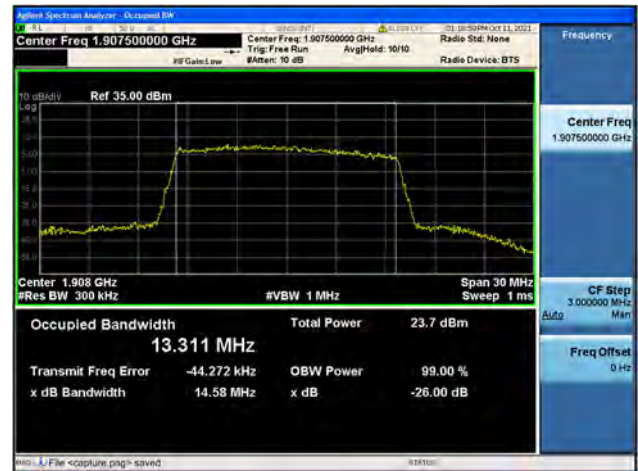




Band25 / 15MHz / High CH / QPSK



Band25 / 15MHz / High CH / 16QAM



Band25 / 15MHz / High CH / 64QAM



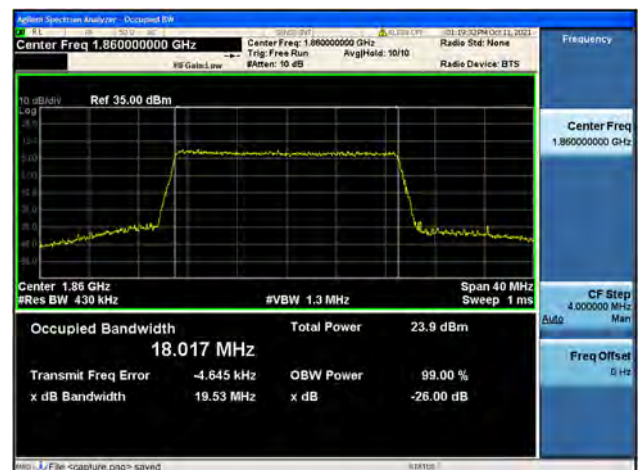
Band25 / 20MHz / Low CH / QPSK



Band25 / 20MHz / Low CH / 16QAM

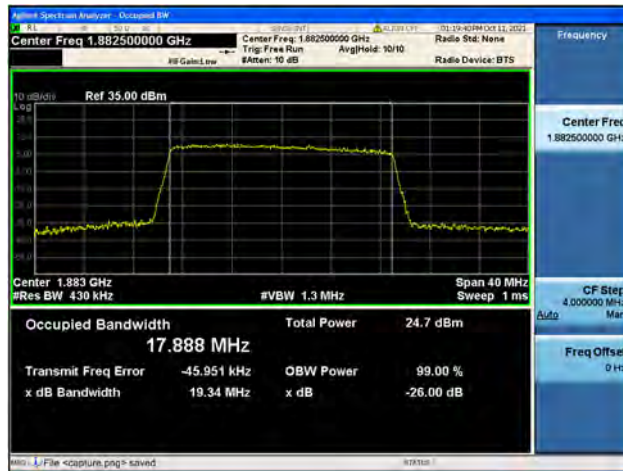


Band25 / 20MHz / Low CH / 64QAM

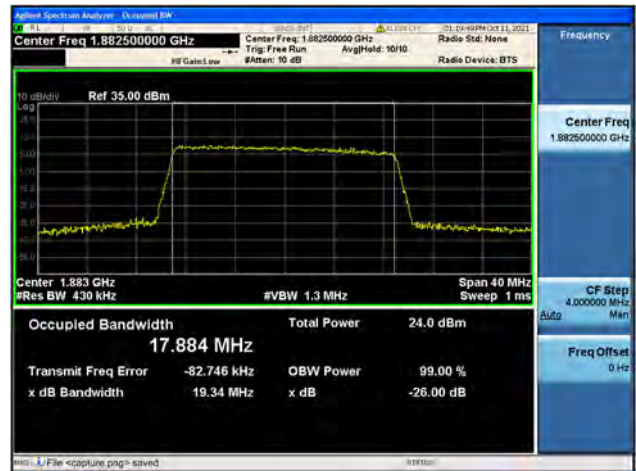




Band25 / 20MHz / Mid CH / QPSK



Band25 / 20MHz / Mid CH / 16QAM



Band25 / 20MHz / Mid CH / 64QAM



Band25 / 20MHz / High CH / QPSK



Band25 / 20MHz / High CH / 16QAM



Band25 / 20MHz / High CH / 64QAM





Band26 / 1.4MHz / Low CH / QPSK



Band26 / 1.4MHz / Low CH / 16QAM



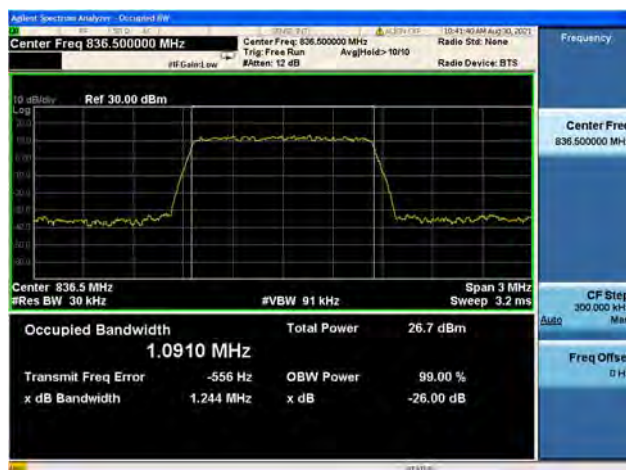
Band26 / 1.4MHz / Low CH / 64QAM



Band26 / 1.4MHz / Mid CH / QPSK



Band26 / 1.4MHz / Mid CH / 16QAM



Band26 / 1.4MHz / Mid CH / 64QAM

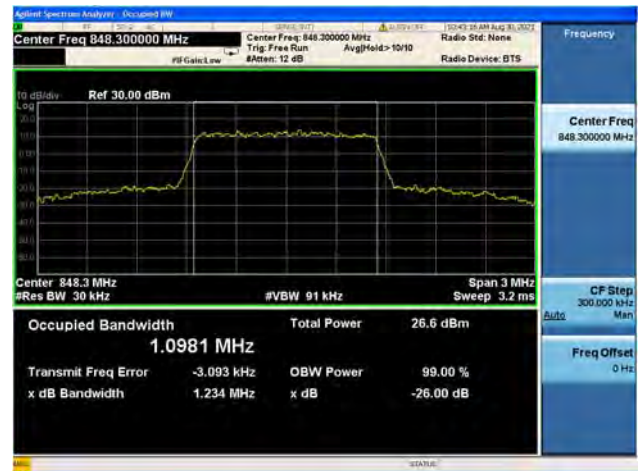




Band26 / 1.4MHz / High CH / QPSK



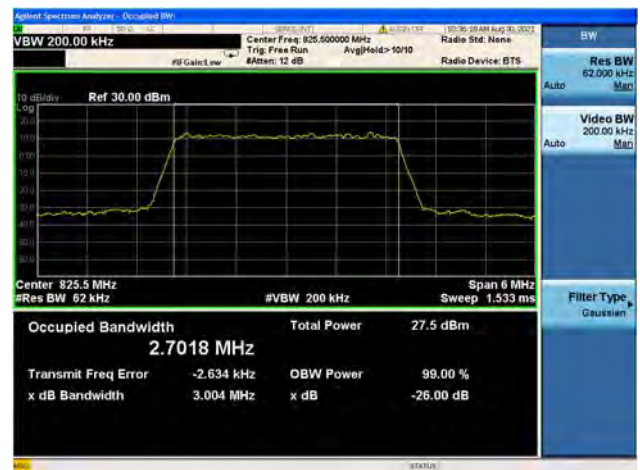
Band26 / 1.4MHz / High CH / 16QAM



Band26 / 1.4MHz / High CH / 64QAM



Band26 / 3MHz / Low CH / QPSK



Band26 / 3MHz / Low CH / 16QAM



Band26 / 3MHz / Low CH / 64QAM

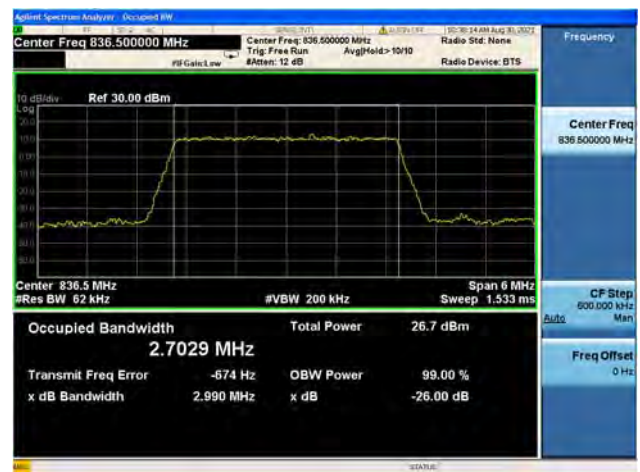




Band26 / 3MHz / Mid CH / QPSK



Band26 / 3MHz / Mid CH / 16QAM



Band26 / 3MHz / Mid CH / 64QAM



Band26 / 3MHz / High CH / QPSK



Band26 / 3MHz / High CH / 16QAM



Band26 / 3MHz / High CH / 64QAM





Band26 / 5MHz / Low CH / QPSK



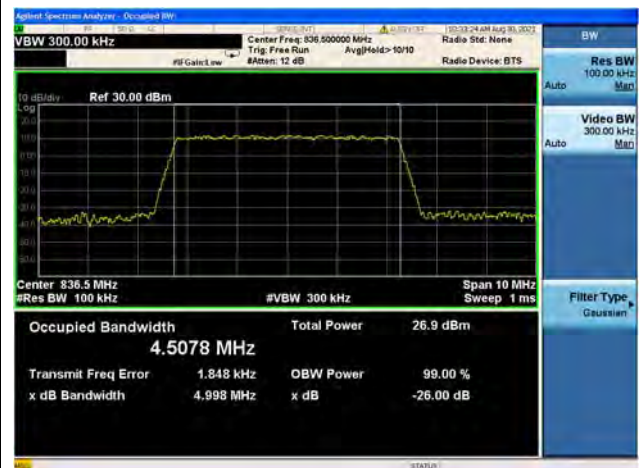
Band26 / 5MHz / Low CH / 16QAM



Band26 / 5MHz / Low CH / 64QAM



Band26 / 5MHz / Mid CH / QPSK



Band26 / 5MHz / Mid CH / 16QAM



Band26 / 5MHz / Mid CH / 64QAM





Band26 / 5MHz / High CH / QPSK



Band26 / 5MHz / High CH / 16QAM



Band26 / 5MHz / High CH / 64QAM



Band26 / 10MHz / Low CH / QPSK



Band26 / 10MHz / Low CH / 16QAM



Band26 / 10MHz / Low CH / 64QAM





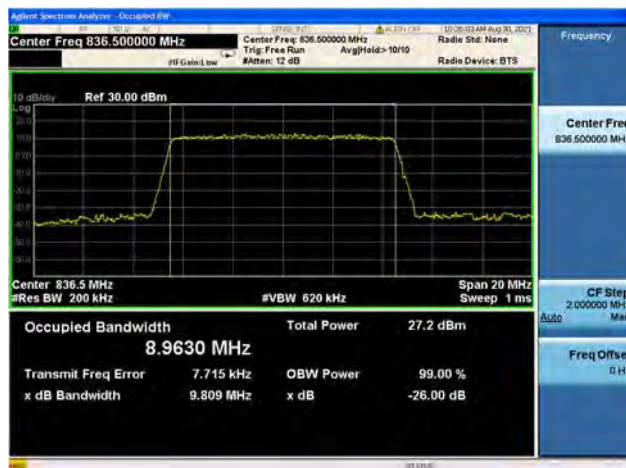
Band26 / 10MHz / Mid CH / QPSK



Band26 / 10MHz / Mid CH / 16QAM



Band26 / 10MHz / Mid CH / 64QAM



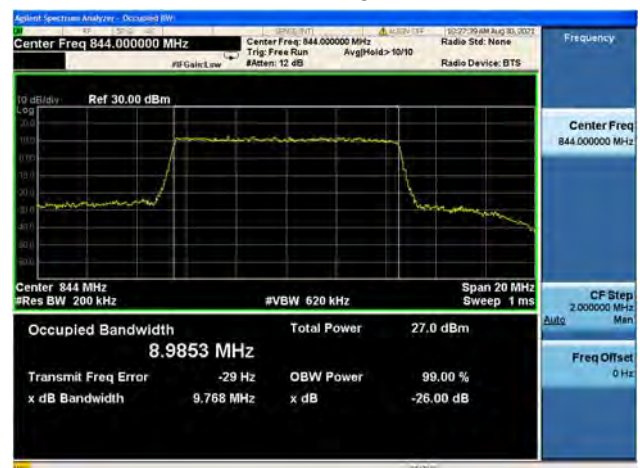
Band26 / 10MHz / High CH / QPSK



Band26 / 10MHz / High CH / 16QAM



Band26 / 10MHz / High CH / 64QAM





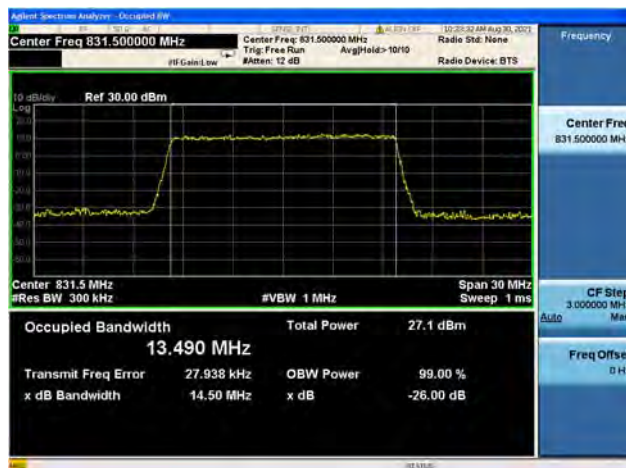
Band26 / 15MHz / Low CH / QPSK



Band26 / 15MHz / Low CH / 16QAM



Band26 / 15MHz / Low CH / 64QAM



Band26 / 15MHz / Mid CH / QPSK



Band26 / 15MHz / Mid CH / 16QAM

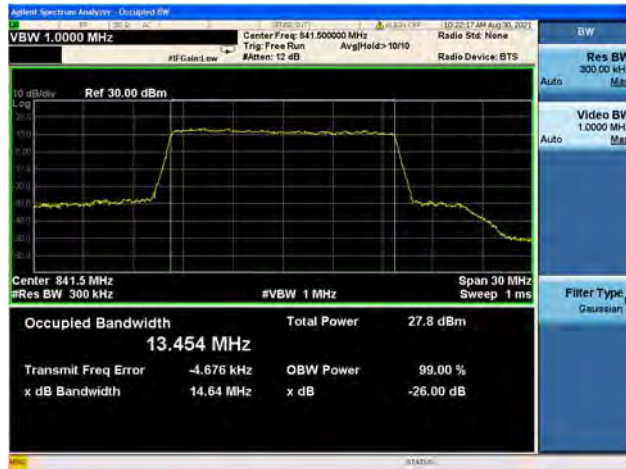


Band26 / 15MHz / Mid CH / 64QAM





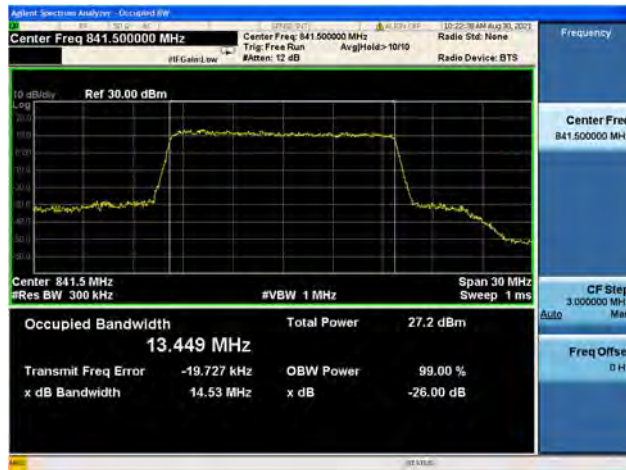
Band26 / 15MHz / High CH / QPSK



Band26 / 15MHz / High CH / 16QAM

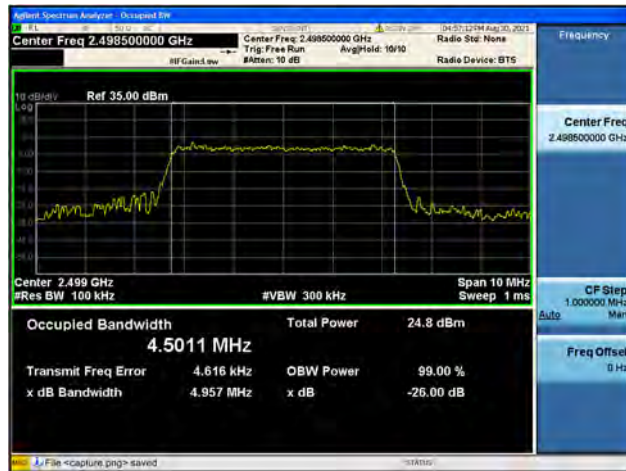


Band26 / 15MHz / High CH / 64QAM





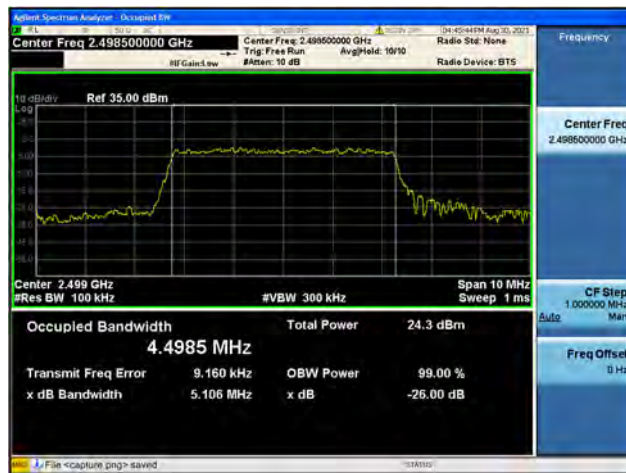
Band41 / 5MHz / Low CH / QPSK



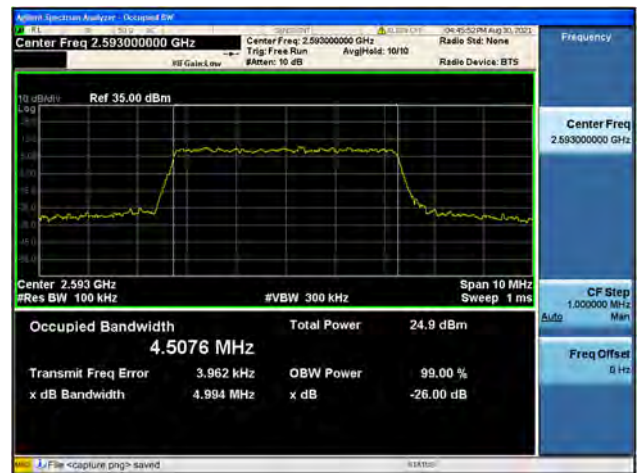
Band41 / 5MHz / Low CH / 16QAM



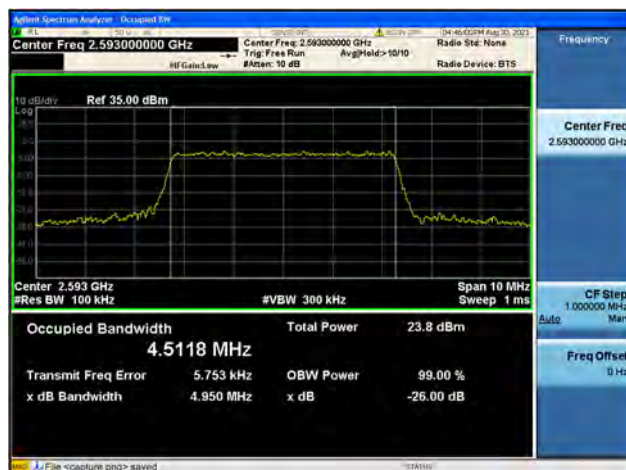
Band41 / 5MHz / Low CH / 64QAM



Band41 / 5MHz / Mid CH / QPSK



Band41 / 5MHz / Mid CH / 16QAM



Band41 / 5MHz / Mid CH / 64QAM

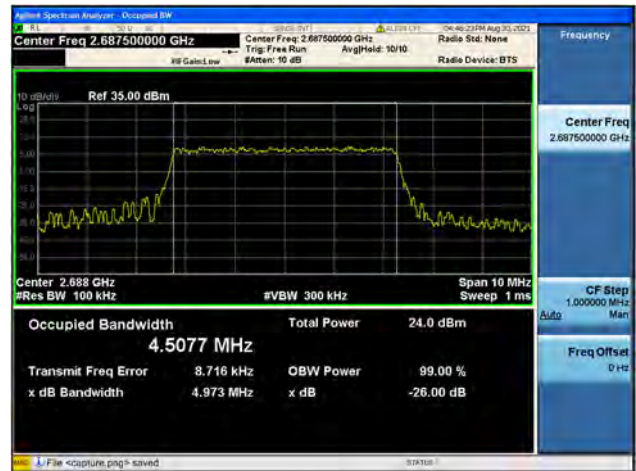




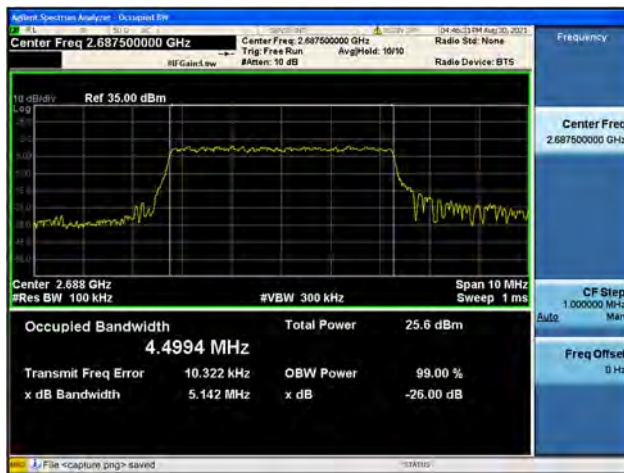
Band41 / 5MHz / High CH / QPSK



Band41 / 5MHz / High CH / 16QAM



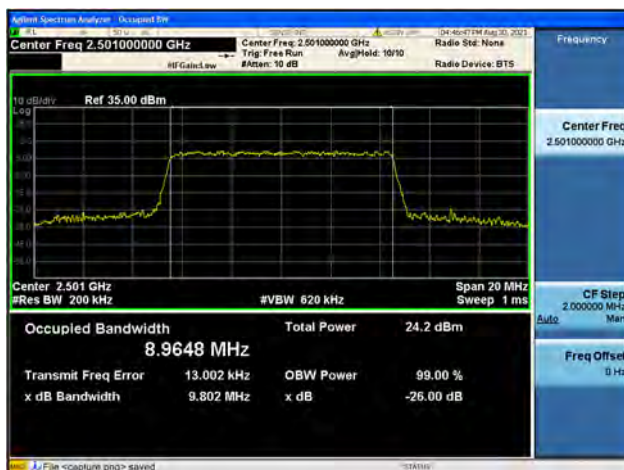
Band41 / 5MHz / High CH / 64QAM



Band41 / 10MHz / Low CH / QPSK



Band41 / 10MHz / Low CH / 16QAM

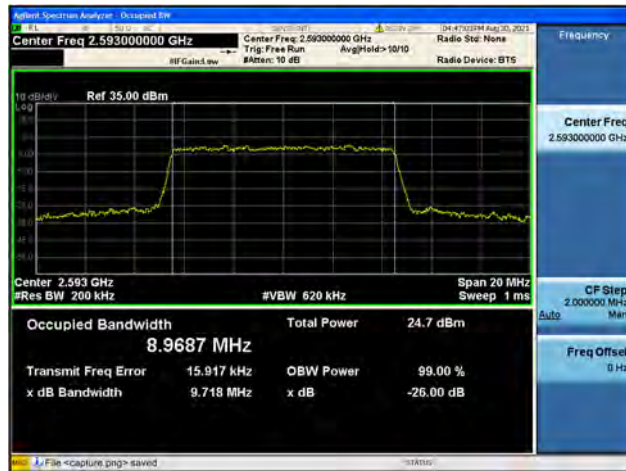


Band41 / 10MHz / Low CH / 64QAM





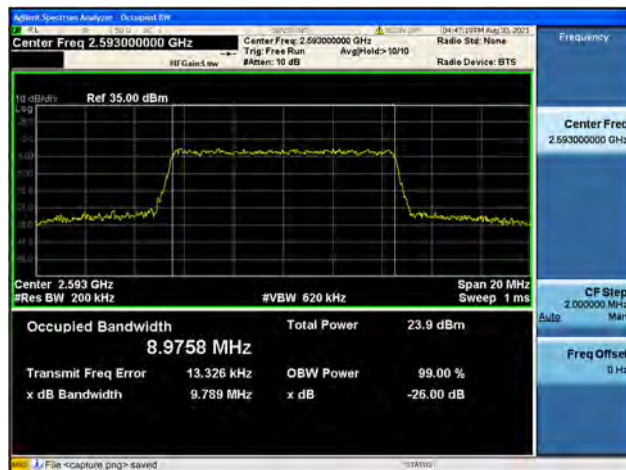
Band41 / 10MHz / Mid CH / QPSK



Band41 / 10MHz / Mid CH / 16QAM



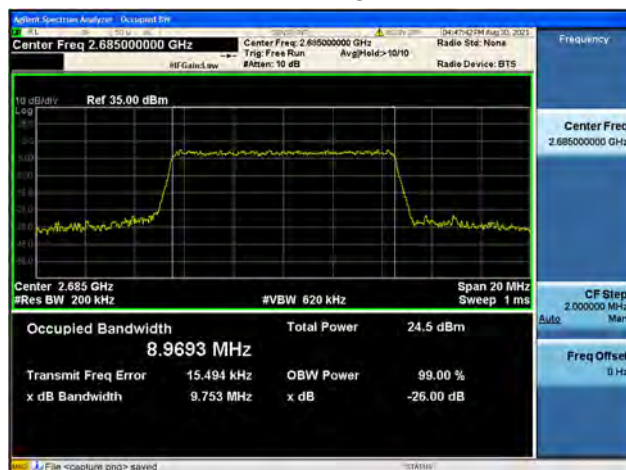
Band41 / 10MHz / Mid CH / 64QAM



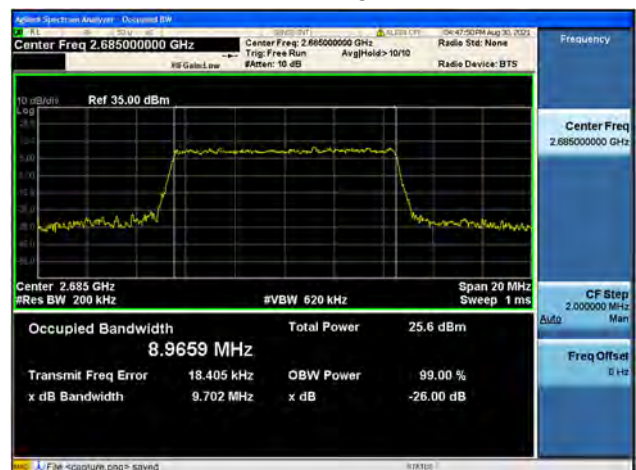
Band41 / 10MHz / High CH / QPSK



Band41 / 10MHz / High CH / 16QAM

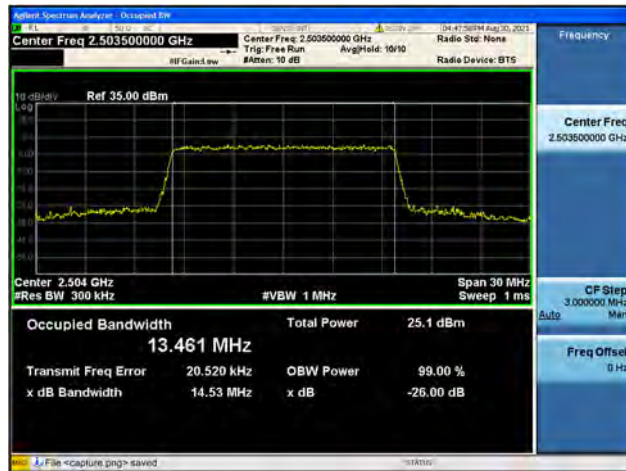


Band41 / 10MHz / High CH / 64QAM

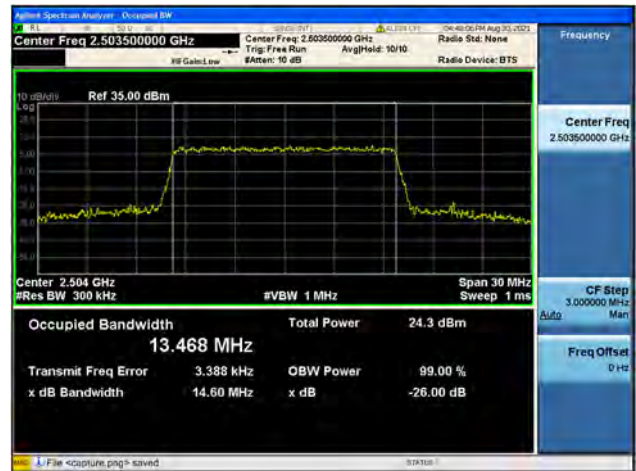




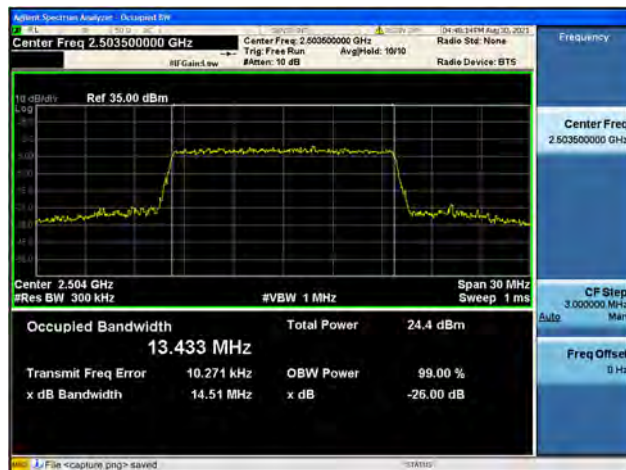
Band41 / 15MHz / Low CH / QPSK



Band41 / 15MHz / Low CH / 16QAM



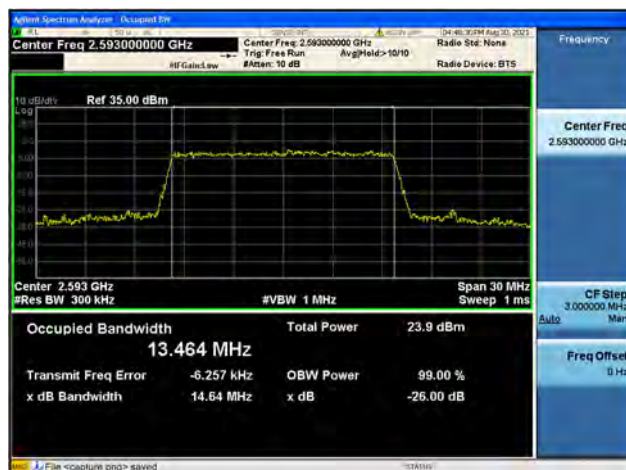
Band41 / 15MHz / Low CH / 64QAM



Band41 / 15MHz / Mid CH / QPSK



Band41 / 15MHz / Mid CH / 16QAM

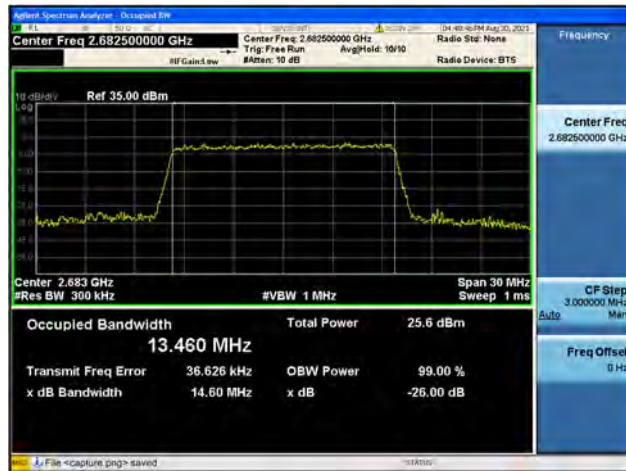


Band41 / 15MHz / Mid CH / 64QAM

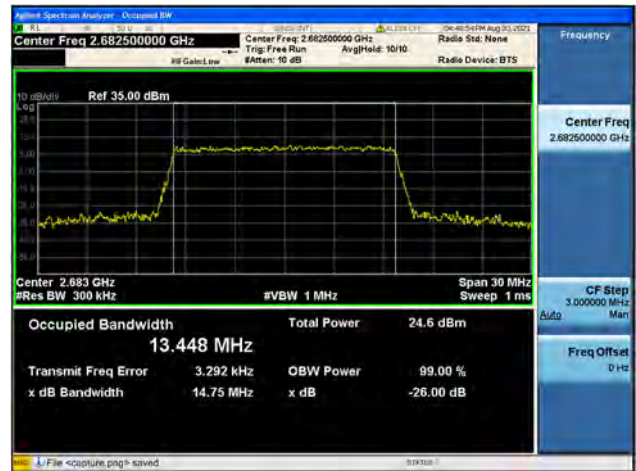




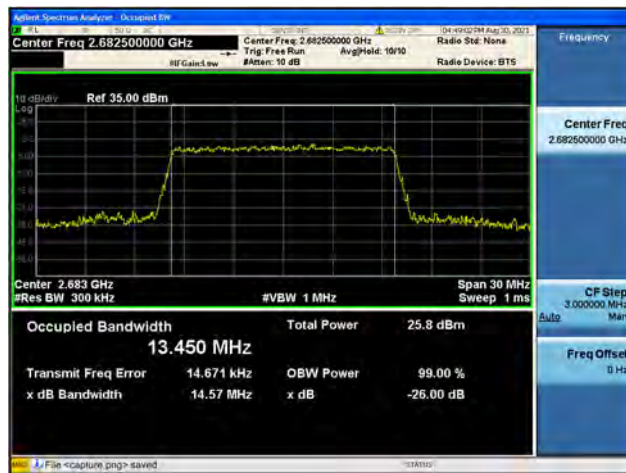
Band41 / 15MHz / High CH / QPSK



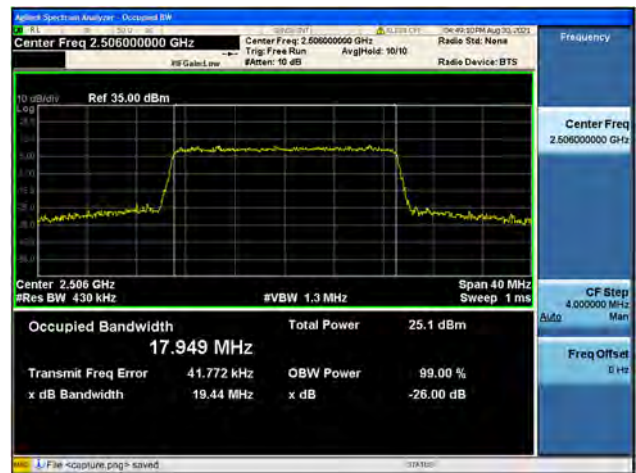
Band41 / 15MHz / High CH / 16QAM



Band41 / 15MHz / High CH / 64QAM



Band41 / 20MHz / Low CH / QPSK



Band41 / 20MHz / Low CH / 16QAM

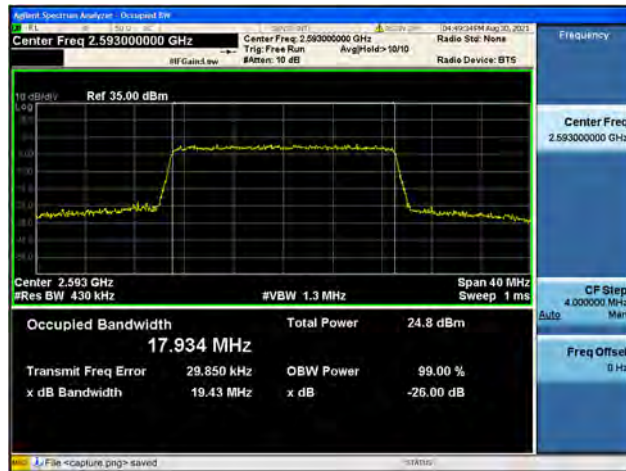


Band41 / 20MHz / Low CH / 64QAM

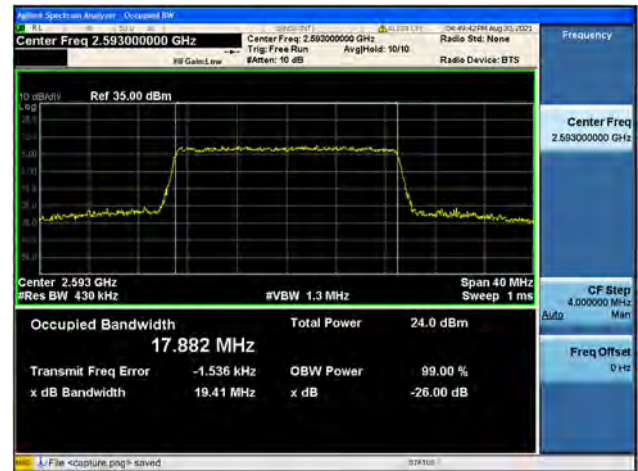




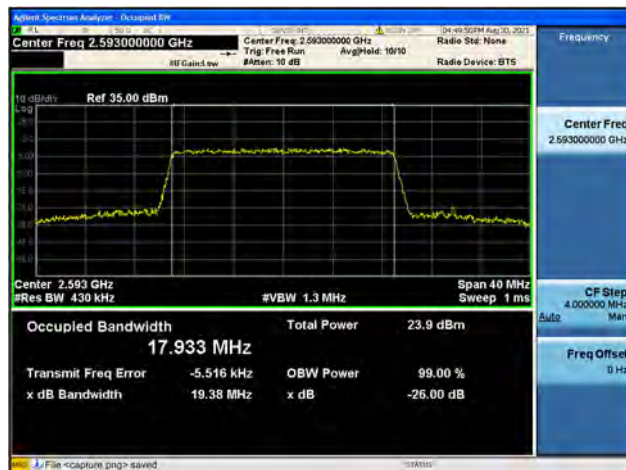
Band41 / 20MHz / Mid CH / QPSK



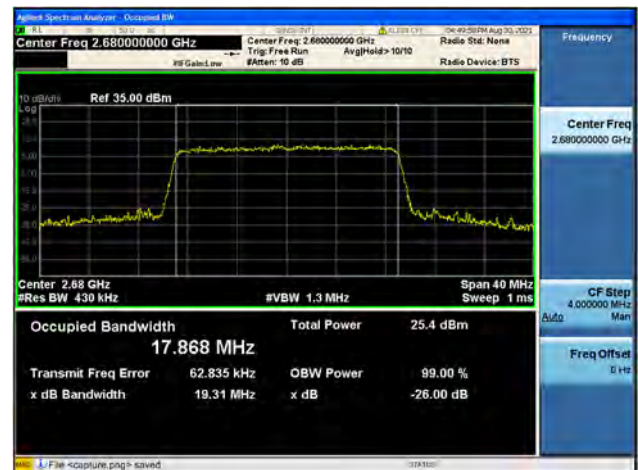
Band41 / 20MHz / Mid CH / 16QAM



Band41 / 20MHz / Mid CH / 64QAM



Band41 / 20MHz / High CH / QPSK



Band41 / 20MHz / High CH / 16QAM

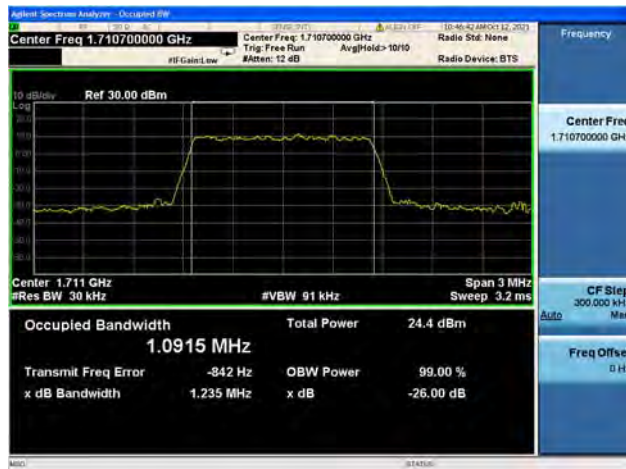


Band41 / 20MHz / High CH / 64QAM





Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

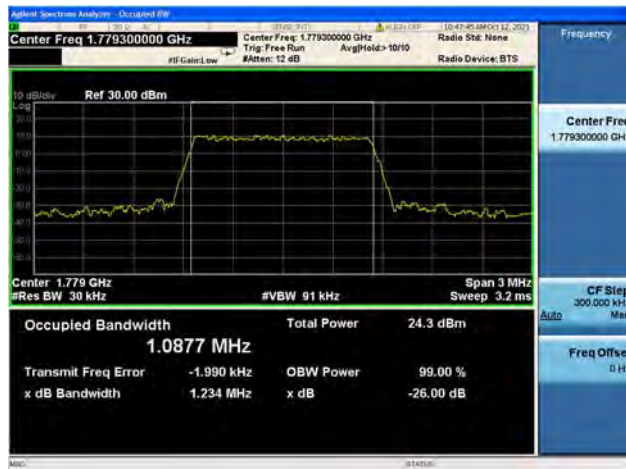


Band66 / 1.4MHz / Mid CH / 64QAM





Band66 / 1.4MHz / High CH / QPSK



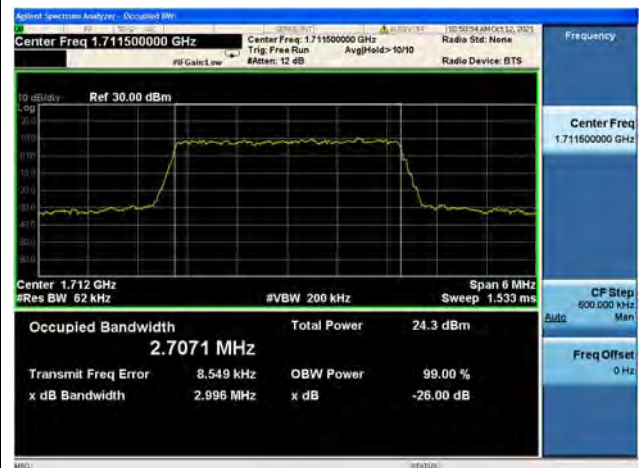
Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM



Band66 / 3MHz / Low CH / 64QAM





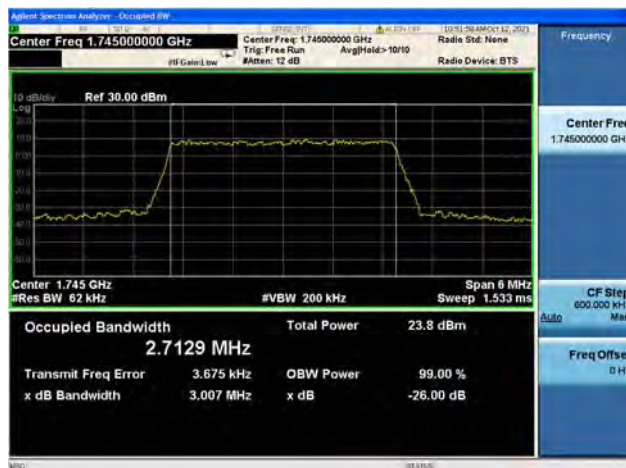
Band66 / 3MHz / Mid CH / QPSK



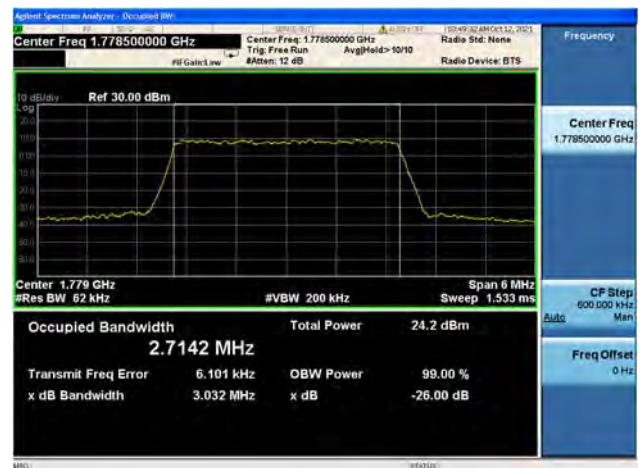
Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM



Band66 / 3MHz / High CH / 64QAM

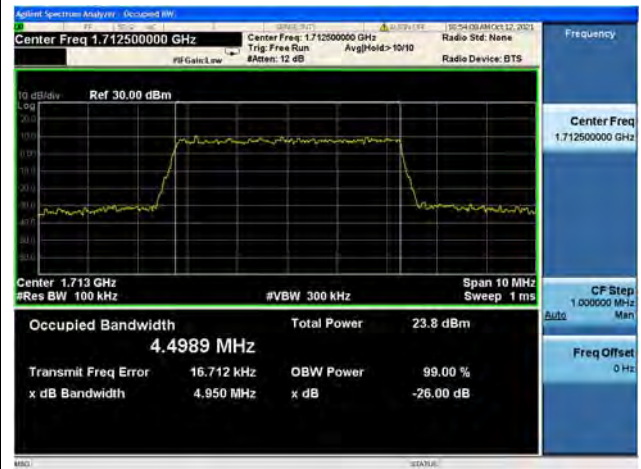




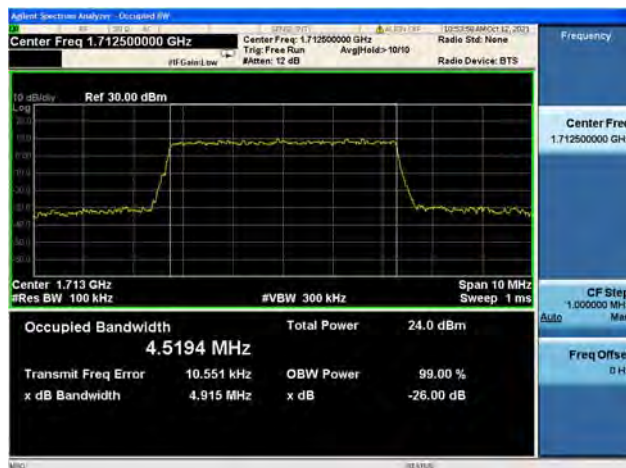
Band66 / 5MHz / Low CH / QPSK



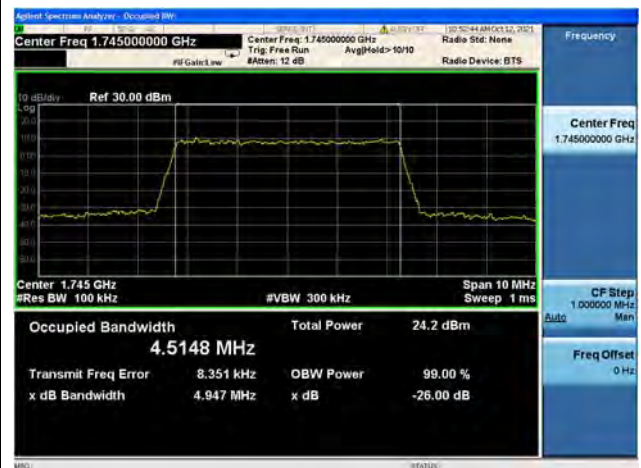
Band66 / 5MHz / Low CH / 16QAM



Band66 / 5MHz / Low CH / 64QAM



Band66 / 5MHz / Mid CH / QPSK



Band66 / 5MHz / Mid CH / 16QAM

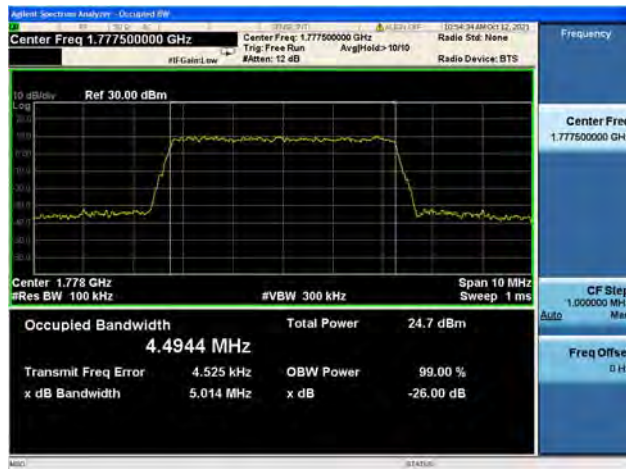


Band66 / 5MHz / Mid CH / 64QAM





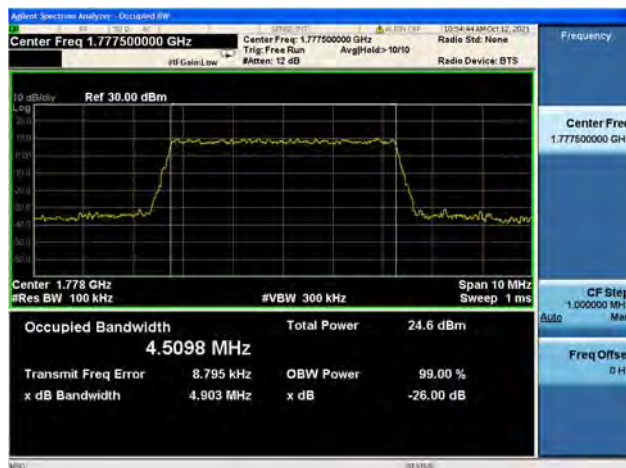
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM



Band66 / 10MHz / Low CH / 64QAM





Band66 / 10MHz / Mid CH / QPSK



Band66 / 10MHz / Mid CH / 16QAM



Band66 / 10MHz / Mid CH / 64QAM



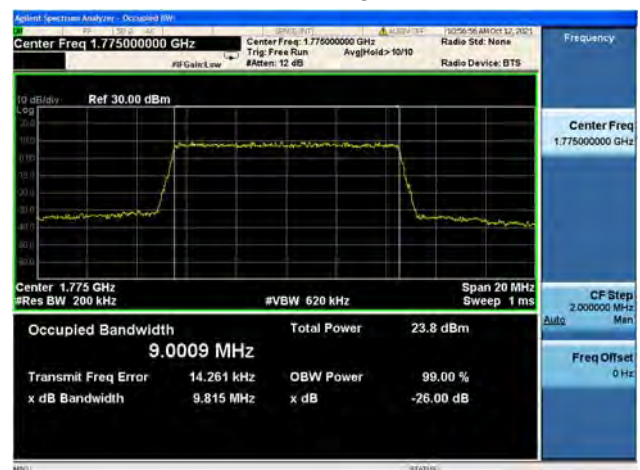
Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM

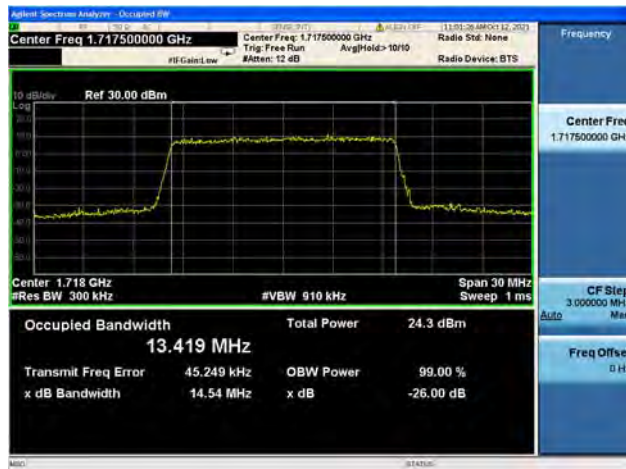


Band66 / 10MHz / High CH / 64QAM





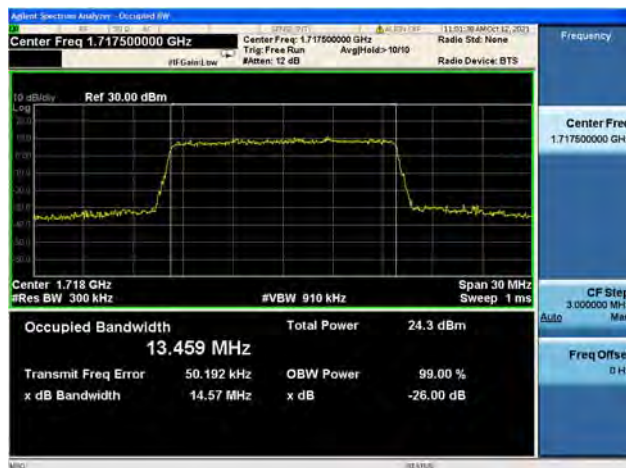
Band66 / 15MHz / Low CH / QPSK



Band66 / 15MHz / Low CH / 16QAM



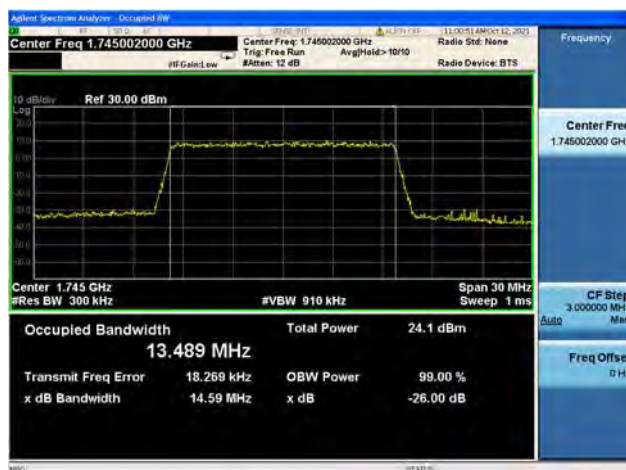
Band66 / 15MHz / Low CH / 64QAM



Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM

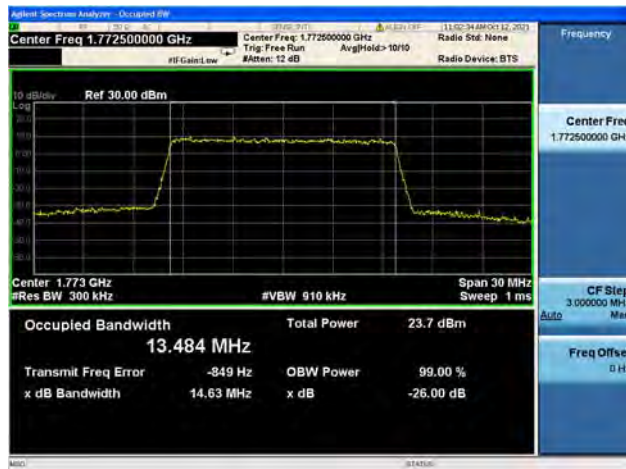


Band66 / 15MHz / Mid CH / 64QAM





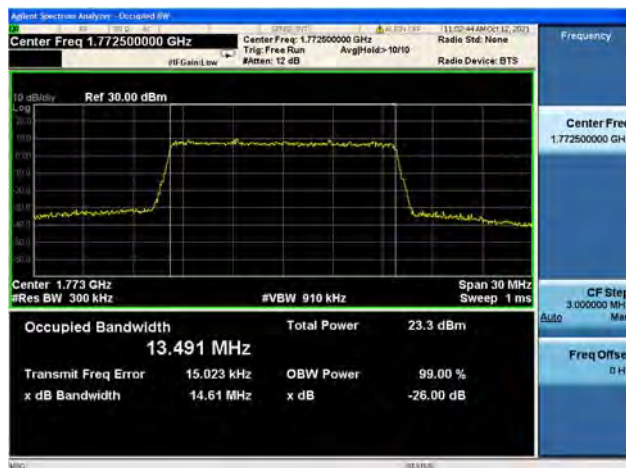
Band66 / 15MHz / High CH / QPSK



Band66 / 15MHz / High CH / 16QAM



Band66 / 15MHz / High CH / 64QAM



Band66 / 20MHz / Low CH / QPSK



Band66 / 20MHz / Low CH / 16QAM



Band66 / 20MHz / Low CH / 64QAM





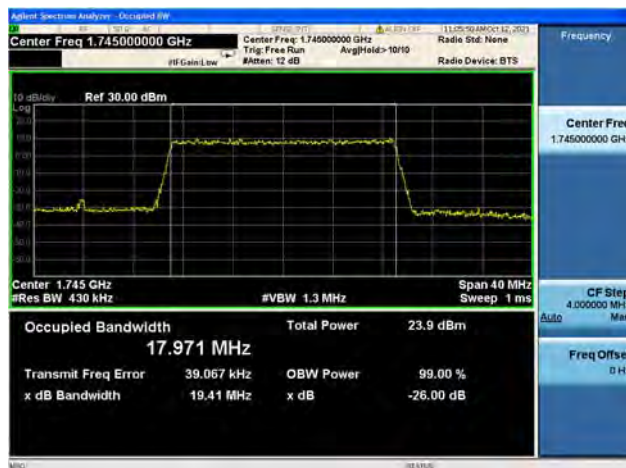
Band66 / 20MHz / Mid CH / QPSK



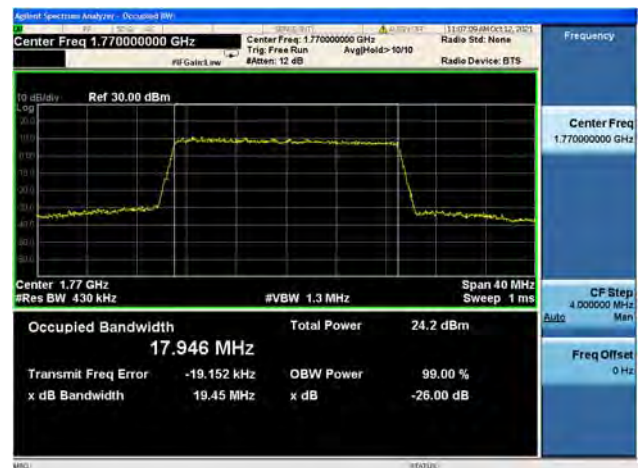
Band66 / 20MHz / Mid CH / 16QAM



Band66 / 20MHz / Mid CH / 64QAM



Band66 / 20MHz / High CH / QPSK



Band66 / 20MHz / High CH / 16QAM



Band66 / 20MHz / High CH / 64QAM





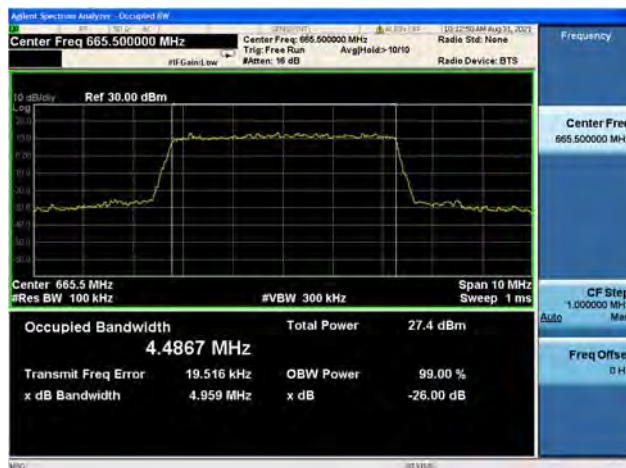
Band71 / 5MHz / Low CH / QPSK



Band71 / 5MHz / Low CH / 16QAM



Band71 / 5MHz / Low CH / 64QAM



Band71 / 5MHz / Mid CH / QPSK



Band71 / 5MHz / Mid CH / 16QAM



Band71 / 5MHz / Mid CH / 64QAM





Band71 / 5MHz / High CH / QPSK



Band71 / 5MHz / High CH / 16QAM



Band71 / 5MHz / High CH / 64QAM



Band71 / 10MHz / Low CH / QPSK



Band71 / 10MHz / Low CH / 16QAM



Band71 / 10MHz / Low CH / 64QAM





Band71 / 10MHz / Mid CH / QPSK



Band71 / 10MHz / Mid CH / 16QAM



Band71 / 10MHz / Mid CH / 64QAM



Band71 / 10MHz / High CH / QPSK



Band71 / 10MHz / High CH / 16QAM



Band71 / 10MHz / High CH / 64QAM





Band71 / 15MHz / Low CH / QPSK



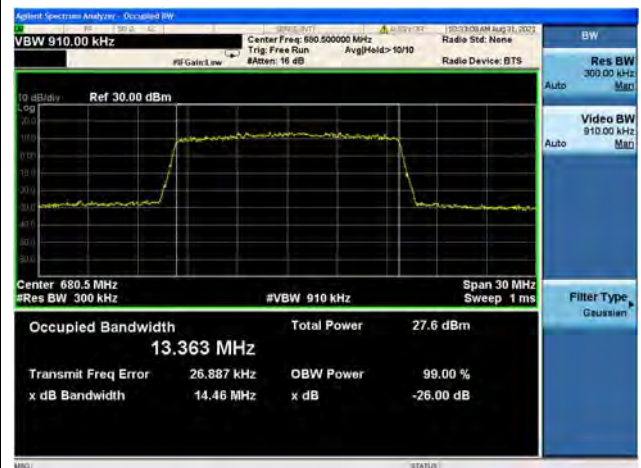
Band71 / 15MHz / Low CH / 16QAM



Band71 / 15MHz / Low CH / 64QAM



Band71 / 15MHz / Mid CH / QPSK



Band71 / 15MHz / Mid CH / 16QAM



Band71 / 15MHz / Mid CH / 64QAM





Band71 / 15MHz / High CH / QPSK



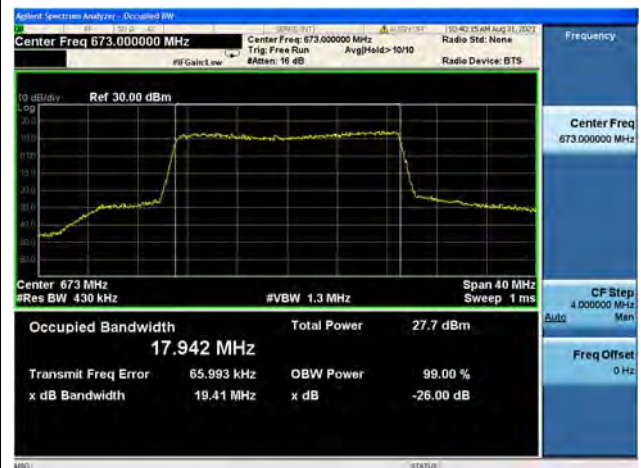
Band71 / 15MHz / High CH / 16QAM



Band71 / 15MHz / High CH / 64QAM



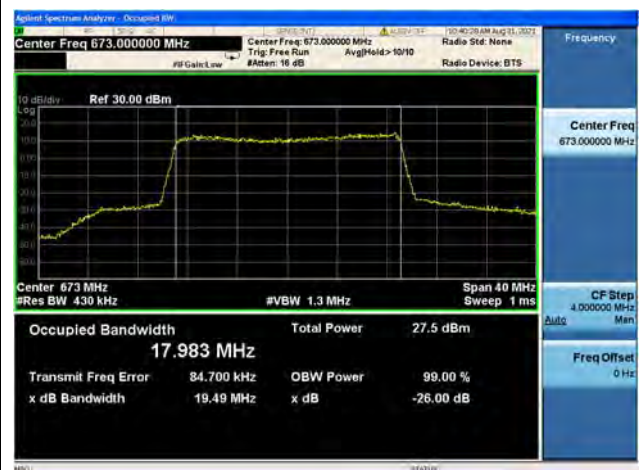
Band71 / 20MHz / Low CH / QPSK



Band71 / 20MHz / Low CH / 16QAM



Band71 / 20MHz / Low CH / 64QAM





Band71 / 20MHz / Mid CH / QPSK



Band71 / 20MHz / Mid CH / 16QAM



Band71 / 20MHz / Mid CH / 64QAM



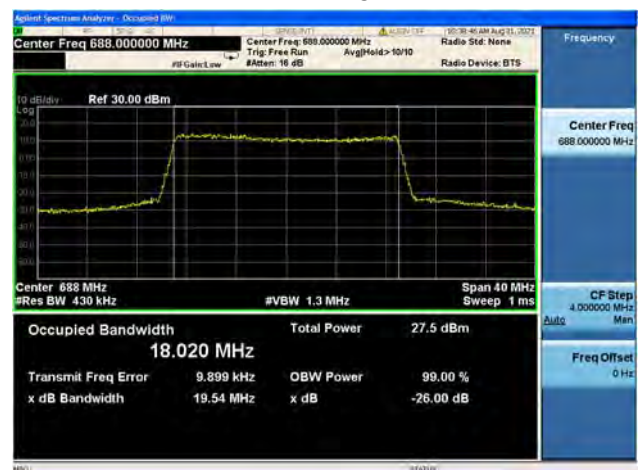
Band71 / 20MHz / High CH / QPSK



Band77 / 20MHz / High CH / 16QAM



Band71 / 20MHz / High CH / 64QAM



2.3. Frequency Stability

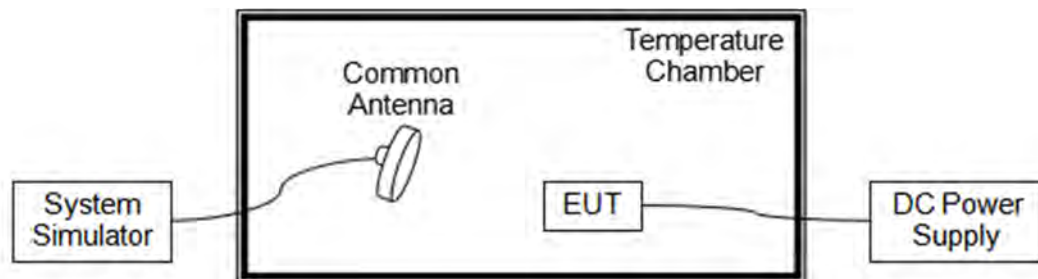
2.3.1. Requirement

According to FCC section 2.1055, 24.235, 27.54, 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.

Note: The operating temperature of EUT is from -20°C to 75°C , which are specified by the applicant.

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 3.80V, 4.35V and 3.00V, 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					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	40	0.021	PASS
100		-20	-29	-0.015	
100		-10	-36	-0.019	
100		0	-35	-0.019	
100		+10	14	0.007	
100		+20	-41	-0.022	
100		+30	-38	-0.020	
100		+40	48	0.026	
100		+50	33	0.018	
100		+60	-51	-0.027	
115	4.35	+20	45	0.024	PASS
85	3.00	+20	40	0.021	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	29	0.017	PASS
100		-20	-30	-0.017	
100		-10	47	0.027	
100		0	-36	-0.021	
100		+10	-30	-0.017	
100		+20	42	0.024	
100		+30	-58	-0.033	
100		+40	-34	-0.020	
100		+50	56	0.032	
100		+60	21	0.012	
115	4.35	+20	19	0.011	PASS
85	3.00	+20	-57	-0.033	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	57	0.068	PASS
100		-20	53	0.063	
100		-10	-51	-0.061	
100		0	55	0.066	
100		+10	16	0.019	
100		+20	52	0.062	
100		+30	-44	-0.053	
100		+40	-55	-0.066	
100		+50	-27	-0.032	
100		+60	-18	-0.022	
115	4.35	+20	35	0.042	
85	3.00	+20	27	0.032	

LTE Band 7, QPSK, Channel 21100, Frequency 2535.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-58	-0.023	PASS
100		-20	-17	-0.007	
100		-10	-40	-0.016	
100		0	-38	-0.015	
100		+10	-56	-0.022	
100		+20	19	0.007	
100		+30	47	0.019	
100		+40	-24	-0.009	
100		+50	-40	-0.016	
100		+60	17	0.007	
115	4.35	+20	14	0.006	
85	3.00	+20	57	0.022	



LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	27	0.038	PASS
100		-20	-40	-0.057	
100		-10	37	0.052	
100		0	46	0.065	
100		+10	19	0.027	
100		+20	-48	-0.068	
100		+30	-15	-0.021	
100		+40	-35	-0.049	
100		+50	53	0.075	
100		+60	-29	-0.041	
115	4.35	+20	45	0.064	
85	3.00	+20	-46	-0.065	

LTE Band 13, QPSK, Channel 23230, Frequency 782MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-18	-0.023	PASS
100		-20	-36	-0.046	
100		-10	-29	-0.037	
100		0	-42	-0.054	
100		+10	41	0.052	
100		+20	28	0.036	
100		+30	15	0.019	
100		+40	33	0.042	
100		+50	19	0.024	
100		+60	44	0.056	
115	4.35	+20	42	0.054	
85	3.00	+20	27	0.035	



LTE Band 17, QPSK, Channel 23790, Frequency 710.0MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	24	0.034	PASS
100		-20	-22	-0.031	
100		-10	42	0.059	
100		0	-25	-0.035	
100		+10	17	0.024	
100		+20	50	0.070	
100		+30	22	0.031	
100		+40	46	0.065	
100		+50	44	0.062	
100		+60	30	0.042	
115	4.35	+20	45	0.063	
85	3.00	+20	33	0.046	

LTE Band 25, QPSK, Channel 26365, Frequency 1882.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	34	0.018	PASS
100		-20	-25	-0.013	
100		-10	13	0.007	
100		0	52	0.028	
100		+10	-17	-0.009	
100		+20	40	0.021	
100		+30	47	0.025	
100		+40	-15	-0.008	
100		+50	-17	-0.009	
100		+60	35	0.019	
115	4.35	+20	21	0.011	
85	3.00	+20	-39	-0.021	



LTE Band 26, QPSK, Channel 26915, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	21	0.025	PASS
100		-20	31	0.037	
100		-10	-33	-0.039	
100		0	53	0.063	
100		+10	31	0.037	
100		+20	-29	-0.035	
100		+30	53	0.063	
100		+40	-13	-0.016	
100		+50	25	0.030	
100		+60	16	0.019	
115	4.35	+20	-36	-0.043	
85	3.00	+20	14	0.017	

LTE Band 41, QPSK, Channel 40620, Frequency 2605.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	48	0.019	PASS
100		-20	47	0.018	
100		-10	21	0.008	
100		0	-29	-0.011	
100		+10	13	0.005	
100		+20	-52	-0.020	
100		+30	-53	-0.020	
100		+40	-34	-0.013	
100		+50	-17	-0.007	
100		+60	-47	-0.018	
115	4.35	+20	-58	-0.022	
85	3.00	+20	28	0.011	



LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-48	-0.028	PASS
100		-20	56	0.032	
100		-10	38	0.022	
100		0	20	0.011	
100		+10	25	0.014	
100		+20	-55	-0.032	
100		+30	55	0.032	
100		+40	-17	-0.010	
100		+50	-39	-0.022	
100		+60	20	0.011	
115	4.35	+20	48	0.028	
85	3.00	+20	17	0.010	

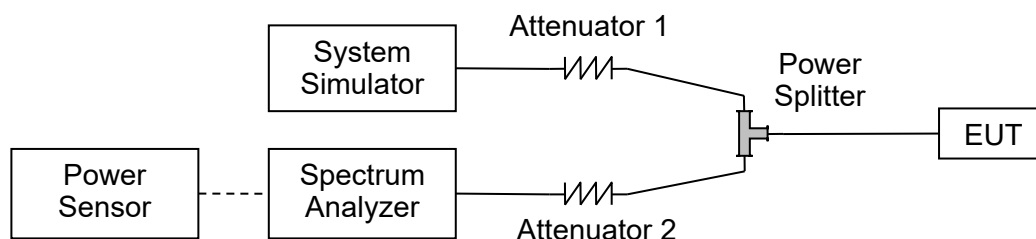
LTE Band 71, QPSK, Channel 133322, Frequency 683.0MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	55	0.081	PASS
100		-20	49	0.072	
100		-10	-40	-0.059	
100		0	38	0.056	
100		+10	36	0.053	
100		+20	28	0.041	
100		+30	22	0.032	
100		+40	-54	-0.079	
100		+50	-56	-0.082	
100		+60	49	0.072	
115	4.35	+20	40	0.059	
85	3.00	+20	-39	-0.057	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d), 27.50(d) and 27.50(j)(4), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

2.4.2. Test Description



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					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.43	<=13	PASS
	Low	16QAM	6.27	<=13	PASS
	Low	64QAM	6.31	<=13	PASS
	Mid	QPSK	5.39	<=13	PASS
	Mid	16QAM	6.19	<=13	PASS
	Mid	64QAM	6.17	<=13	PASS
	High	QPSK	5.29	<=13	PASS
	High	16QAM	6.08	<=13	PASS
	High	64QAM	6.08	<=13	PASS
3	Low	QPSK	5.51	<=13	PASS
	Low	16QAM	6.31	<=13	PASS
	Low	64QAM	6.23	<=13	PASS
	Mid	QPSK	5.38	<=13	PASS
	Mid	16QAM	6.22	<=13	PASS
	Mid	64QAM	6.16	<=13	PASS
	High	QPSK	5.41	<=13	PASS
	High	16QAM	6.24	<=13	PASS
	High	64QAM	6.14	<=13	PASS
5	Low	QPSK	5.51	<=13	PASS
	Low	16QAM	6.25	<=13	PASS
	Low	64QAM	6.22	<=13	PASS
	Mid	QPSK	5.46	<=13	PASS
	Mid	16QAM	6.2	<=13	PASS
	Mid	64QAM	6.16	<=13	PASS
	High	QPSK	5.43	<=13	PASS
	High	16QAM	6.19	<=13	PASS
	High	64QAM	6.16	<=13	PASS
10	Low	QPSK	5.54	<=13	PASS
	Low	16QAM	6.26	<=13	PASS
	Low	64QAM	6.29	<=13	PASS
	Mid	QPSK	5.41	<=13	PASS
	Mid	16QAM	6.19	<=13	PASS
	Mid	64QAM	6.18	<=13	PASS
	High	QPSK	5.22	<=13	PASS
	High	16QAM	6.07	<=13	PASS
	High	64QAM	6.05	<=13	PASS



15	Low	QPSK	5.52	≤ 13	PASS
	Low	16QAM	6.25	≤ 13	PASS
	Low	64QAM	6.24	≤ 13	PASS
	Mid	QPSK	5.3	≤ 13	PASS
	Mid	16QAM	6.09	≤ 13	PASS
	Mid	64QAM	6.1	≤ 13	PASS
	High	QPSK	5.24	≤ 13	PASS
	High	16QAM	6.05	≤ 13	PASS
	High	64QAM	6.03	≤ 13	PASS
20	Low	QPSK	5.59	≤ 13	PASS
	Low	16QAM	6.34	≤ 13	PASS
	Low	64QAM	6.33	≤ 13	PASS
	Mid	QPSK	5.23	≤ 13	PASS
	Mid	16QAM	6.1	≤ 13	PASS
	Mid	64QAM	6.08	≤ 13	PASS
	High	QPSK	5.7	≤ 13	PASS
	High	16QAM	6.5	≤ 13	PASS
	High	64QAM	6.48	≤ 13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.31	<=13	PASS
	Low	16QAM	6.07	<=13	PASS
	Low	64QAM	6.04	<=13	PASS
	Mid	QPSK	5.83	<=13	PASS
	Mid	16QAM	6.59	<=13	PASS
	Mid	64QAM	6.52	<=13	PASS
	High	QPSK	5.28	<=13	PASS
	High	16QAM	6.09	<=13	PASS
	High	64QAM	6.12	<=13	PASS
3	Low	QPSK	5.28	<=13	PASS
	Low	16QAM	6.09	<=13	PASS
	Low	64QAM	5.98	<=13	PASS
	Mid	QPSK	5.76	<=13	PASS
	Mid	16QAM	6.61	<=13	PASS
	Mid	64QAM	6.45	<=13	PASS
	High	QPSK	5.3	<=13	PASS
	High	16QAM	6.19	<=13	PASS
	High	64QAM	6.11	<=13	PASS
5	Low	QPSK	5.35	<=13	PASS
	Low	16QAM	6.11	<=13	PASS
	Low	64QAM	6.04	<=13	PASS
	Mid	QPSK	5.76	<=13	PASS
	Mid	16QAM	6.48	<=13	PASS
	Mid	64QAM	6.41	<=13	PASS
	High	QPSK	5.46	<=13	PASS
	High	16QAM	6.21	<=13	PASS
	High	64QAM	6.19	<=13	PASS
10	Low	QPSK	5.3	<=13	PASS
	Low	16QAM	6.06	<=13	PASS
	Low	64QAM	6.09	<=13	PASS
	Mid	QPSK	5.71	<=13	PASS
	Mid	16QAM	6.44	<=13	PASS
	Mid	64QAM	6.42	<=13	PASS
	High	QPSK	5.53	<=13	PASS
	High	16QAM	6.25	<=13	PASS
	High	64QAM	6.25	<=13	PASS



15	Low	QPSK	5.38	≤ 13	PASS
	Low	16QAM	6.01	≤ 13	PASS
	Low	64QAM	6.0	≤ 13	PASS
	Mid	QPSK	5.59	≤ 13	PASS
	Mid	16QAM	6.37	≤ 13	PASS
	Mid	64QAM	6.35	≤ 13	PASS
	High	QPSK	5.41	≤ 13	PASS
	High	16QAM	6.22	≤ 13	PASS
	High	64QAM	6.16	≤ 13	PASS
20	Low	QPSK	5.21	≤ 13	PASS
	Low	16QAM	6.12	≤ 13	PASS
	Low	64QAM	6.12	≤ 13	PASS
	Mid	QPSK	5.57	≤ 13	PASS
	Mid	16QAM	6.42	≤ 13	PASS
	Mid	64QAM	6.35	≤ 13	PASS
	High	QPSK	5.52	≤ 13	PASS
	High	16QAM	6.3	≤ 13	PASS
	High	64QAM	6.29	≤ 13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.31	<=13	PASS
	Low	16QAM	6.26	<=13	PASS
	Low	64QAM	6.10	<=13	PASS
	Mid	QPSK	5.57	<=13	PASS
	Mid	16QAM	6.44	<=13	PASS
	Mid	64QAM	6.43	<=13	PASS
	High	QPSK	5.69	<=13	PASS
	High	16QAM	6.46	<=13	PASS
	High	64QAM	6.53	<=13	PASS
3	Low	QPSK	5.28	<=13	PASS
	Low	16QAM	6.12	<=13	PASS
	Low	64QAM	6.04	<=13	PASS
	Mid	QPSK	5.61	<=13	PASS
	Mid	16QAM	6.48	<=13	PASS
	Mid	64QAM	6.46	<=13	PASS
	High	QPSK	5.67	<=13	PASS
	High	16QAM	6.50	<=13	PASS
	High	64QAM	6.40	<=13	PASS
5	Low	QPSK	5.50	<=13	PASS
	Low	16QAM	6.19	<=13	PASS
	Low	64QAM	6.07	<=13	PASS
	Mid	QPSK	5.63	<=13	PASS
	Mid	16QAM	6.39	<=13	PASS
	Mid	64QAM	6.35	<=13	PASS
	High	QPSK	5.73	<=13	PASS
	High	16QAM	6.45	<=13	PASS
	High	64QAM	6.44	<=13	PASS
10	Low	QPSK	5.33	<=13	PASS
	Low	16QAM	6.10	<=13	PASS
	Low	64QAM	6.11	<=13	PASS
	Mid	QPSK	5.64	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	Mid	64QAM	6.36	<=13	PASS
	High	QPSK	5.76	<=13	PASS
	High	16QAM	6.49	<=13	PASS
	High	64QAM	6.47	<=13	PASS



15	Low	QPSK	5.30	≤ 13	PASS
	Low	16QAM	6.15	≤ 13	PASS
	Low	64QAM	6.08	≤ 13	PASS
	Mid	QPSK	5.57	≤ 13	PASS
	Mid	16QAM	5.71	≤ 13	PASS
	Mid	64QAM	6.32	≤ 13	PASS
	High	QPSK	5.83	≤ 13	PASS
	High	16QAM	6.46	≤ 13	PASS
	High	64QAM	6.42	≤ 13	PASS
20	Low	QPSK	5.27	≤ 13	PASS
	Low	16QAM	6.19	≤ 13	PASS
	Low	64QAM	6.16	≤ 13	PASS
	Mid	QPSK	5.55	≤ 13	PASS
	Mid	16QAM	6.37	≤ 13	PASS
	Mid	64QAM	6.34	≤ 13	PASS
	High	QPSK	5.62	≤ 13	PASS
	High	16QAM	6.43	≤ 13	PASS
	High	64QAM	6.41	≤ 13	PASS



Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM



Band2 / 1.4MHz / Low CH / 64QAM



Band2 / 1.4MHz / Mid CH / QPSK



Band2 / 1.4MHz / Mid CH / 16QAM



Band2 / 1.4MHz / Mid CH / 64QAM

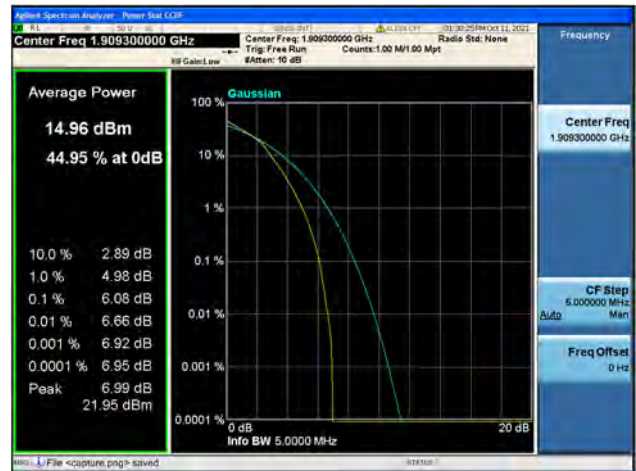




Band2 / 1.4MHz / High CH / QPSK



Band2 / 1.4MHz / High CH / 16QAM



Band2 / 1.4MHz / High CH / 64QAM



Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM



Band2 / 3MHz / Low CH / 64QAM



Band2 / 3MHz / Mid CH / QPSK



Band2 / 3MHz / Mid CH / 16QAM



Band2 / 3MHz / Mid CH / 64QAM



Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM



Band2 / 3MHz / High CH / 64QAM





Band2 / 5MHz / Low CH / QPSK



Band2 / 5MHz / Low CH / 16QAM



Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM



Band2 / 5MHz / Mid CH / 64QAM





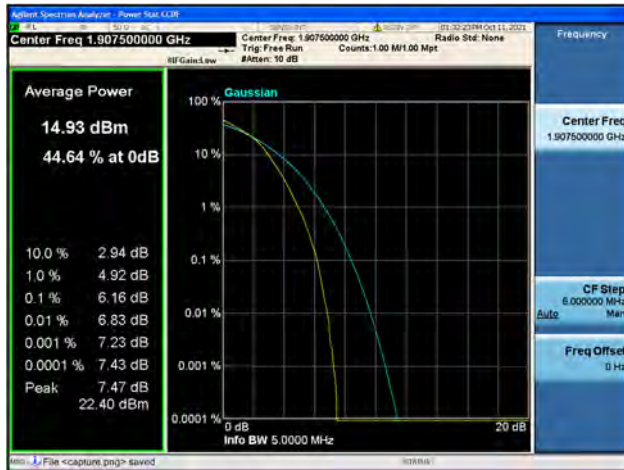
Band2 / 5MHz / High CH / QPSK



Band2 / 5MHz / High CH / 16QAM



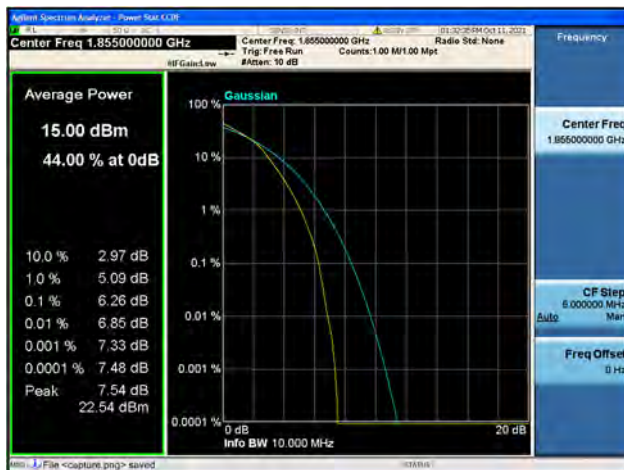
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Low CH / 64QAM

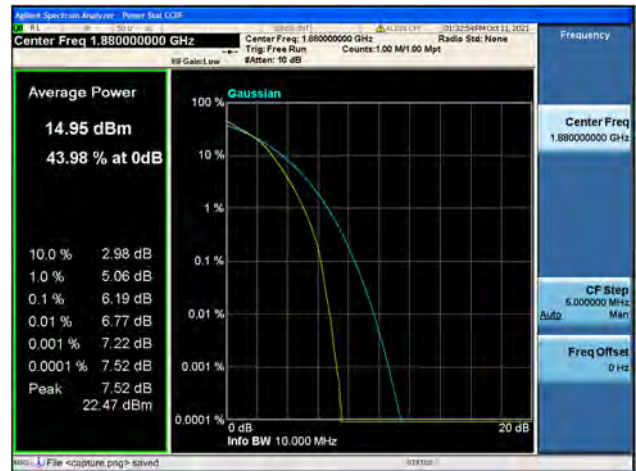




Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

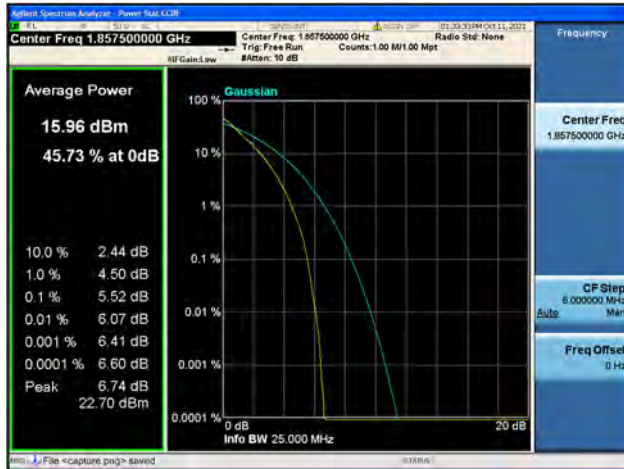


Band2 / 10MHz / High CH / 64QAM





Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



Band2 / 15MHz / Low CH / 64QAM



Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM



Band2 / 15MHz / Mid CH / 64QAM





Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



Band2 / 15MHz / High CH / 64QAM



Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM



Band2 / 20MHz / Low CH / 64QAM





Band2 / 20MHz / Mid CH / QPSK



Band2 / 20MHz / Mid CH / 16QAM



Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM



Band2 / 20MHz / High CH / 64QAM



Band4 / 1.4MHz / Low CH / QPSK



Band4 / 1.4MHz / Low CH / 16QAM



Band4 / 1.4MHz / Low CH / 64QAM



Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM



Band4 / 1.4MHz / Mid CH / 64QAM

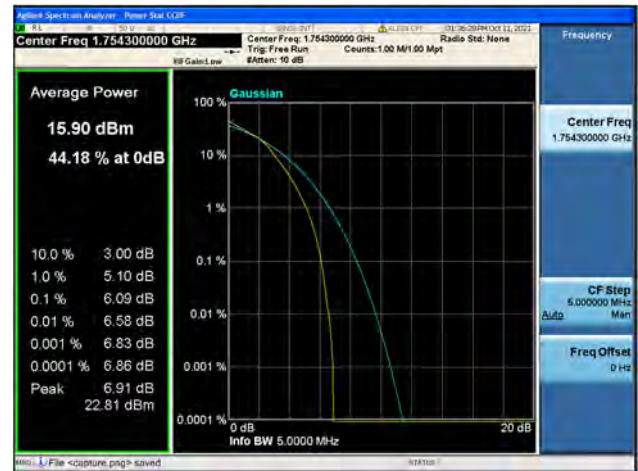




Band4 / 1.4MHz / High CH / QPSK



Band4 / 1.4MHz / High CH / 16QAM



Band4 / 1.4MHz / High CH / 64QAM



Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM



Band4 / 3MHz / Low CH / 64QAM





Band4 / 3MHz / Mid CH / QPSK



Band4 / 3MHz / Mid CH / 16QAM



Band4 / 3MHz / Mid CH / 64QAM



Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM



Band4 / 3MHz / High CH / 64QAM





Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

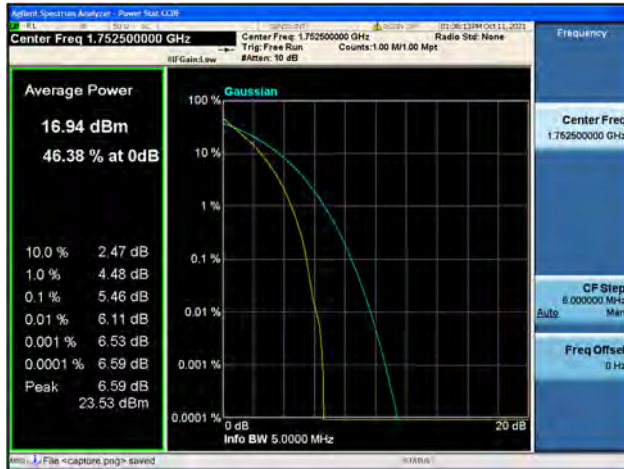


Band4 / 5MHz / Mid CH / 64QAM





Band4 / 5MHz / High CH / QPSK



Band4 / 5MHz / High CH / 16QAM



Band4 / 5MHz / High CH / 64QAM



Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM



Band4 / 10MHz / Low CH / 64QAM





Band4 / 10MHz / Mid CH / QPSK



Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



Band4 / 10MHz / High CH / 64QAM

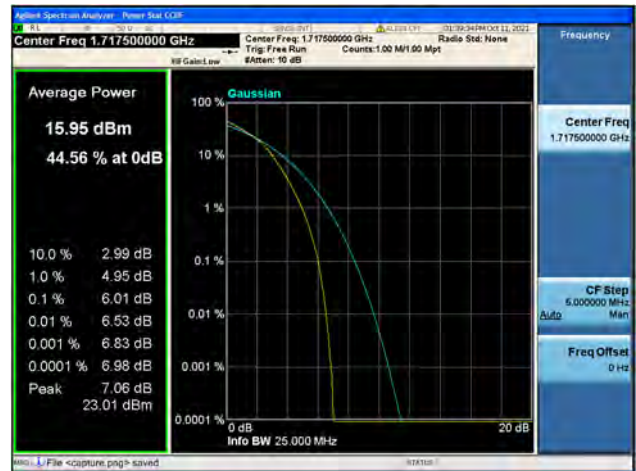




Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM





Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

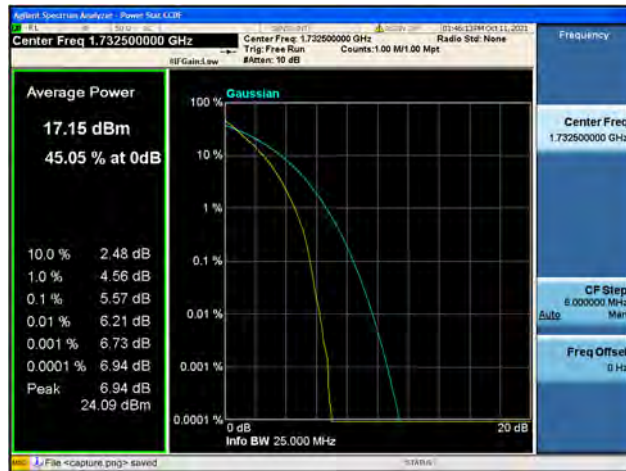


Band4 / 20MHz / Low CH / 64QAM

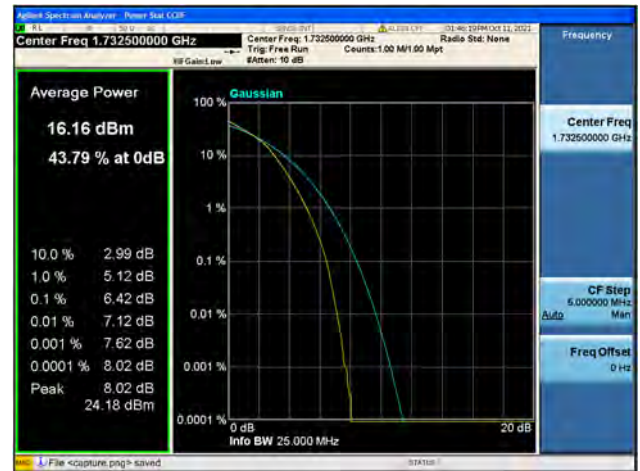




Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM

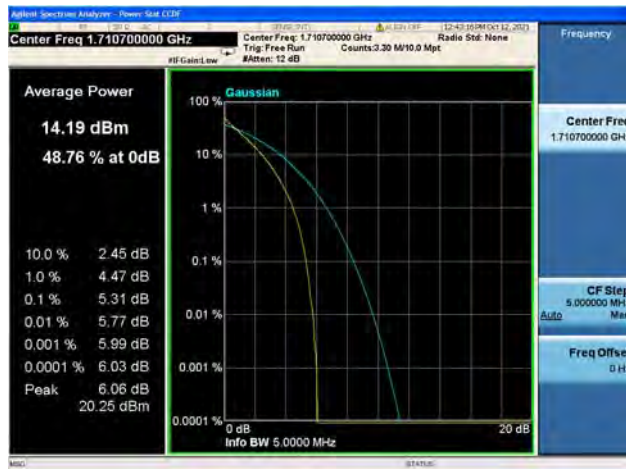


Band4 / 20MHz / High CH / 64QAM





Band66 / 1.4MHz / Low CH / QPSK



Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM



Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

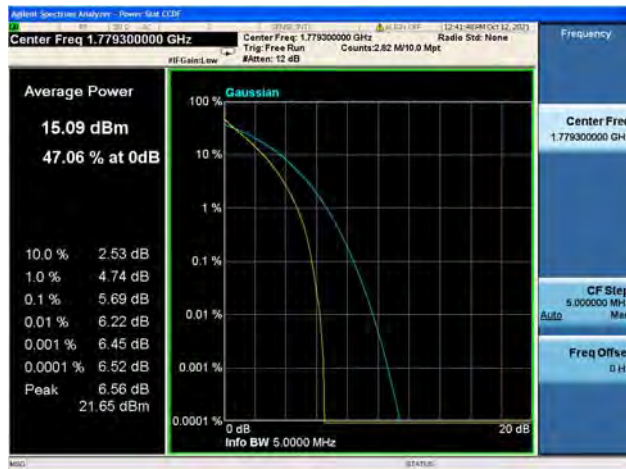


Band66 / 1.4MHz / Mid CH / 64QAM





Band66 / 1.4MHz / High CH / QPSK



Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

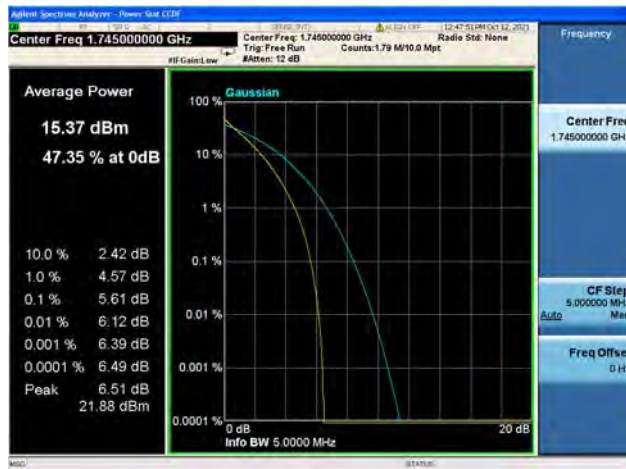


Band66 / 3MHz / Low CH / 64QAM





Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM



Band66 / 3MHz / High CH / 64QAM

