



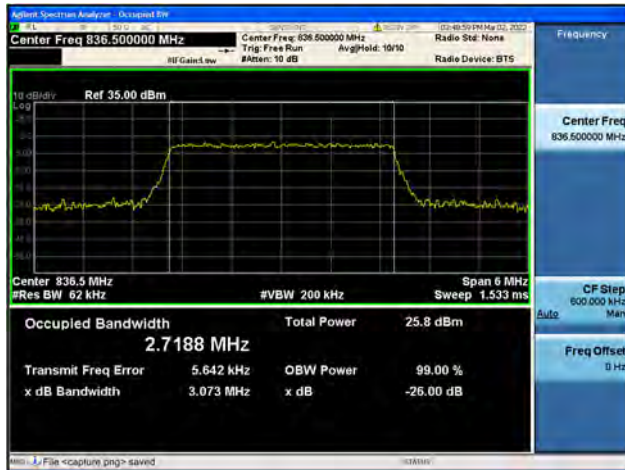
Band26 / 3MHz / Mid CH / QPSK



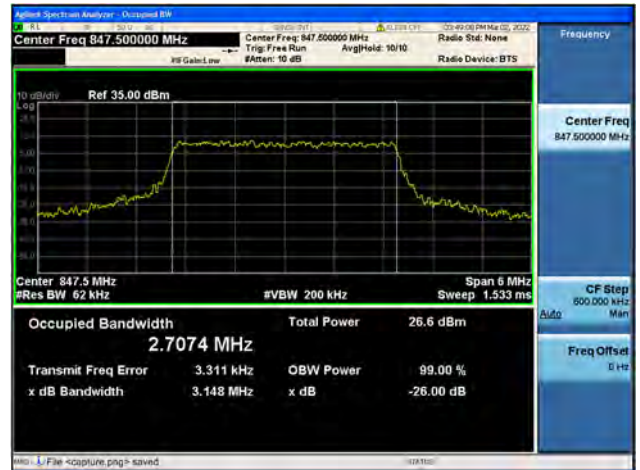
Band26 / 3MHz / Mid CH / 16QAM



Band26 / 3MHz / Mid CH / 64QAM



Band26 / 3MHz / High CH / QPSK



Band26 / 3MHz / High CH / 16QAM



Band26 / 3MHz / High CH / 64QAM

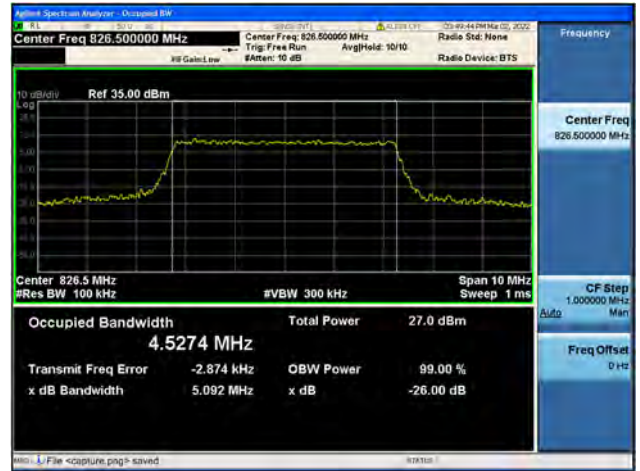




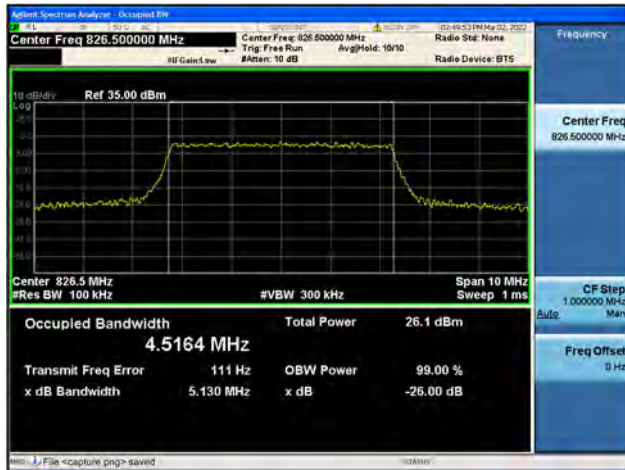
Band26 / 5MHz / Low CH / QPSK



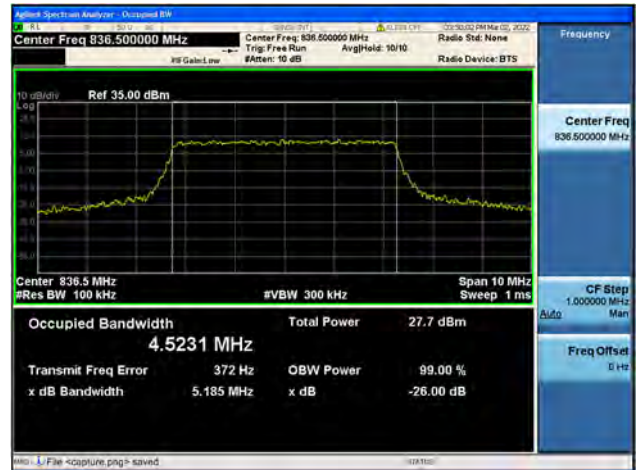
Band26 / 5MHz / Low CH / 16QAM



Band26 / 5MHz / Low CH / 64QAM



Band26 / 5MHz / Mid CH / QPSK



Band26 / 5MHz / Mid CH / 16QAM

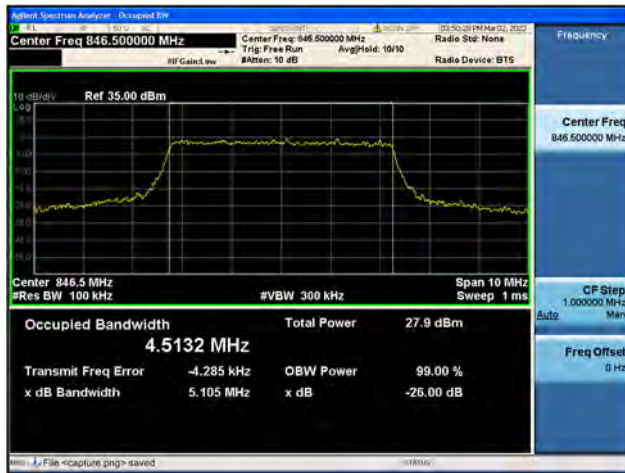


Band26 / 5MHz / Mid CH / 64QAM





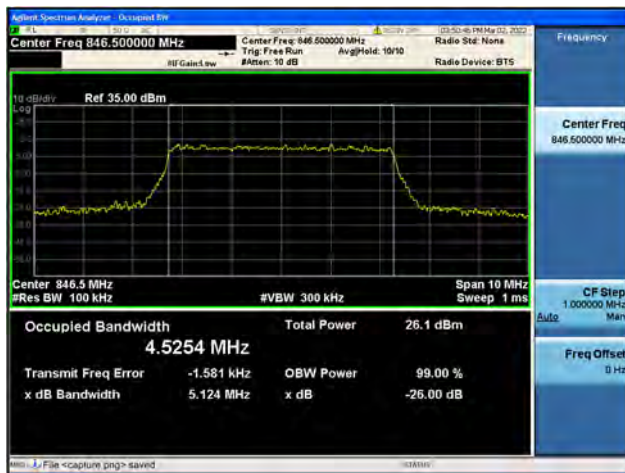
Band26 / 5MHz / High CH / QPSK



Band26 / 5MHz / High CH / 16QAM



Band26 / 5MHz / High CH / 64QAM



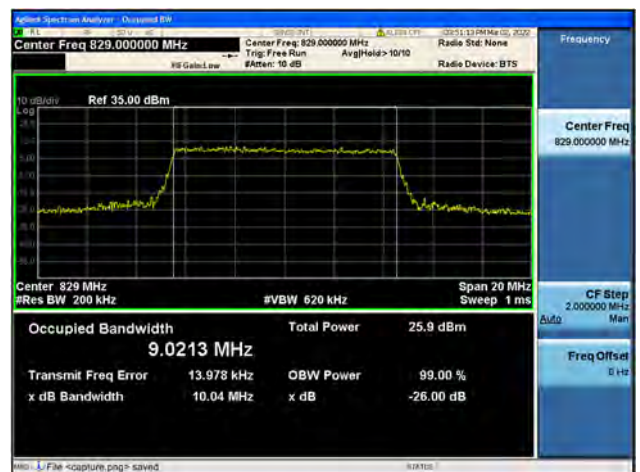
Band26 / 10MHz / Low CH / QPSK



Band26 / 10MHz / Low CH / 16QAM



Band26 / 10MHz / Low CH / 64QAM

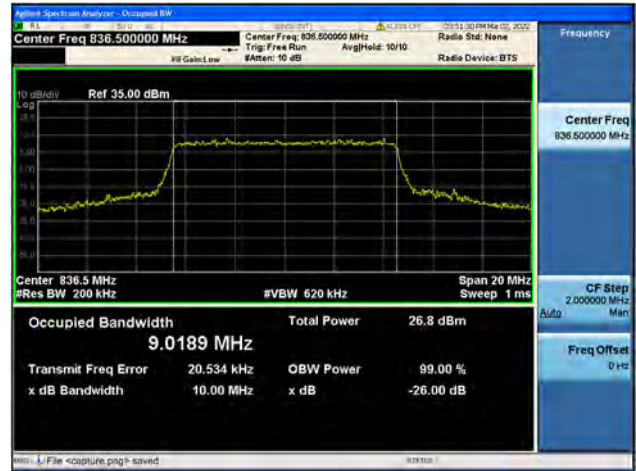




Band26 / 10MHz / Mid CH / QPSK



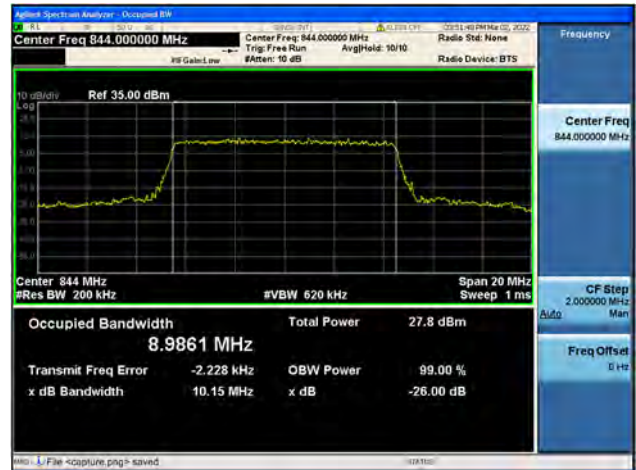
Band26 / 10MHz / Mid CH / 16QAM



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



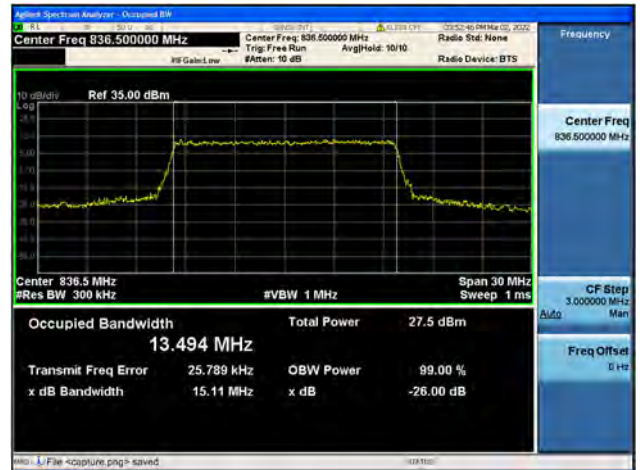
Band26 / 15MHz / Low CH / 16QAM



Band26 / 15MHz / Low CH / 64QAM



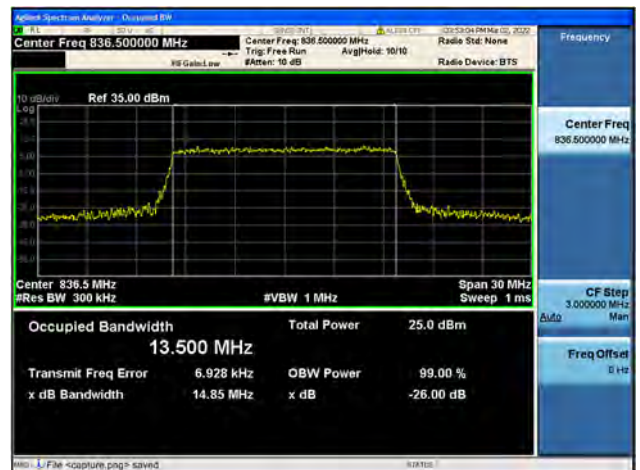
Band26 / 15MHz / Mid CH / QPSK



Band26 / 15MHz / Mid CH / 16QAM



Band26 / 15MHz / Mid CH / 64QAM

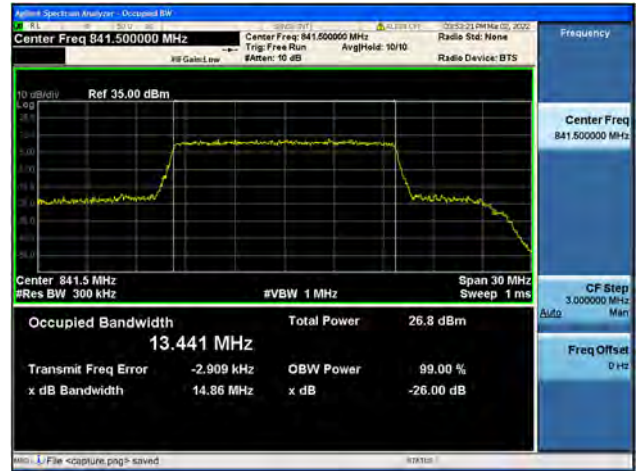




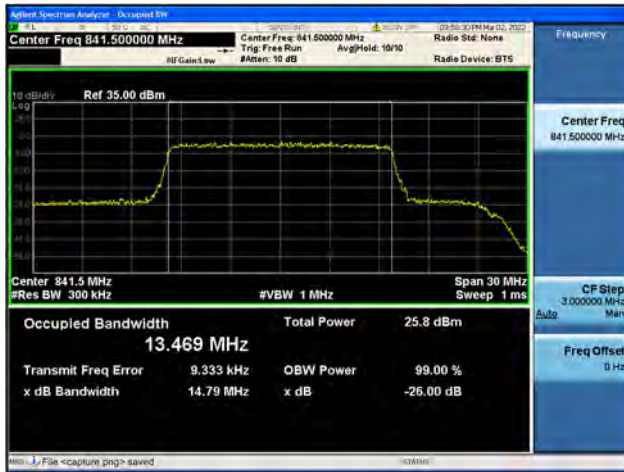
Band26 / 15MHz / High CH / QPSK



Band26 / 15MHz / High CH / 16QAM

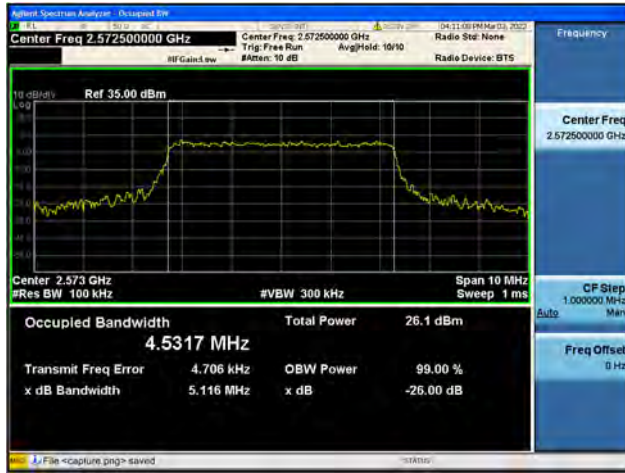


Band26 / 15MHz / High CH / 64QAM

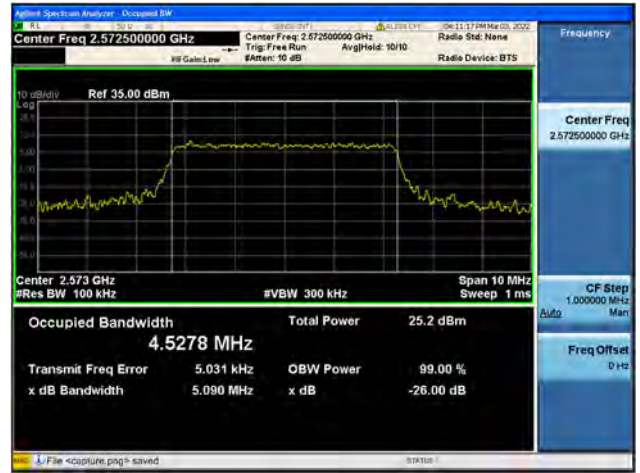




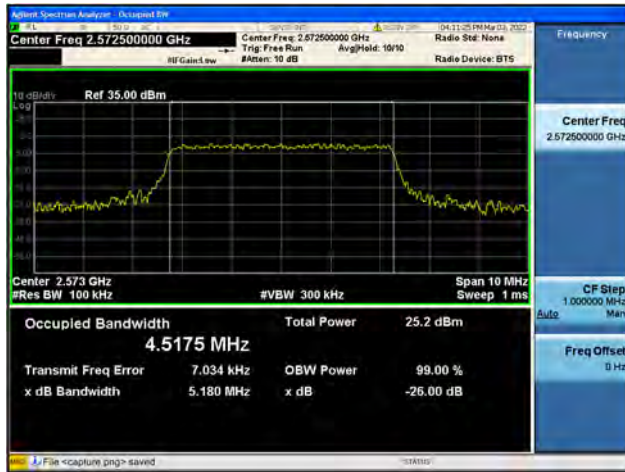
Band38 / 5MHz / Low CH / QPSK



Band38 / 5MHz / Low CH / 16QAM



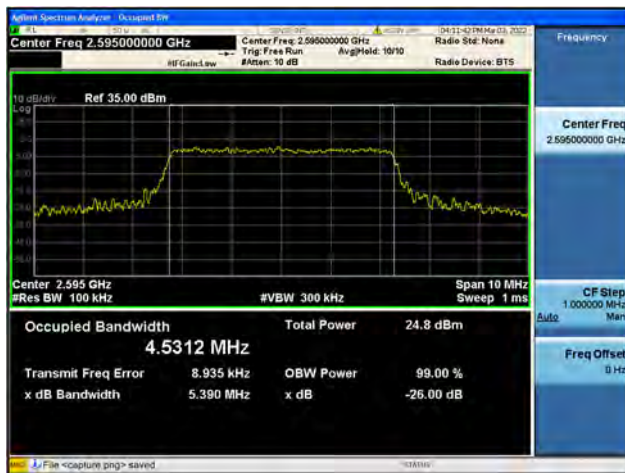
Band38 / 5MHz / Low CH / 64QAM



Band38 / 5MHz / Mid CH / QPSK



Band38 / 5MHz / Mid CH / 16QAM

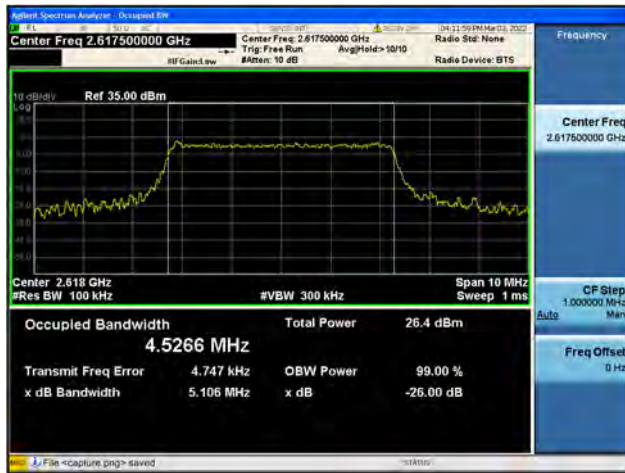


Band38 / 5MHz / Mid CH / 64QAM

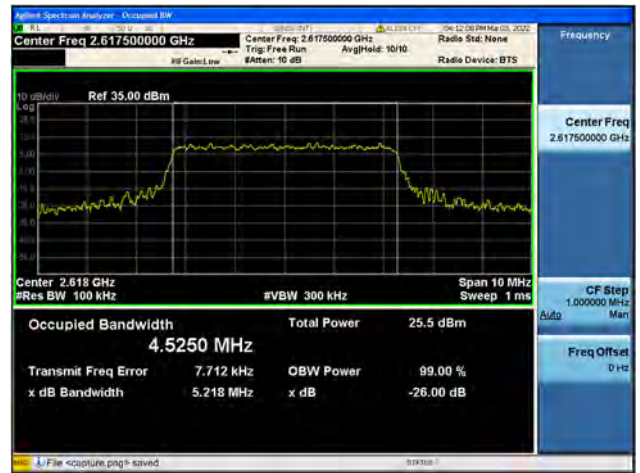




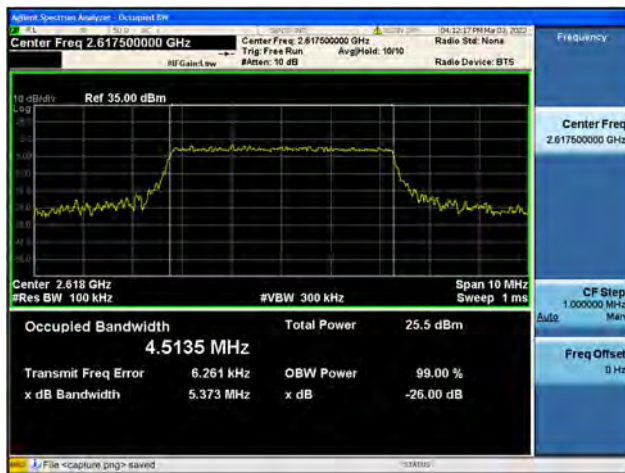
Band38 / 5MHz / High CH / QPSK



Band38 / 5MHz / High CH / 16QAM



Band38 / 5MHz / High CH / 64QAM



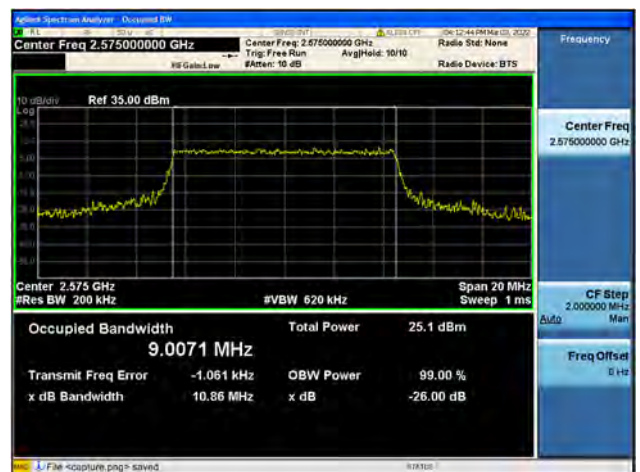
Band38 / 10MHz / Low CH / QPSK



Band38 / 10MHz / Low CH / 16QAM

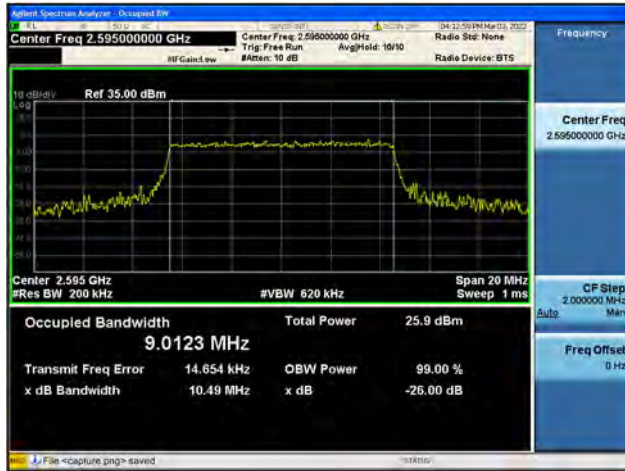


Band38 / 10MHz / Low CH / 64QAM





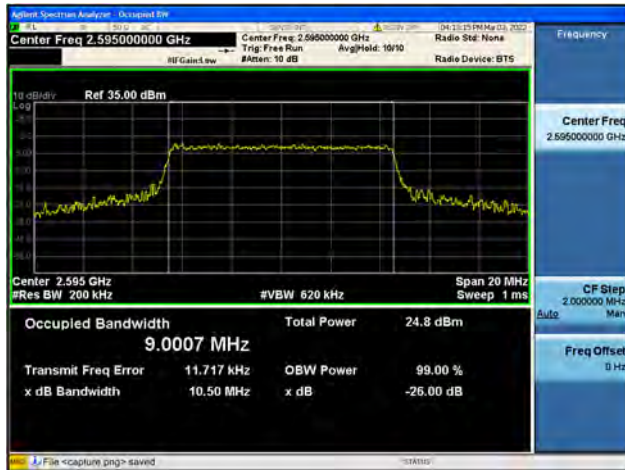
Band38 / 10MHz / Mid CH / QPSK



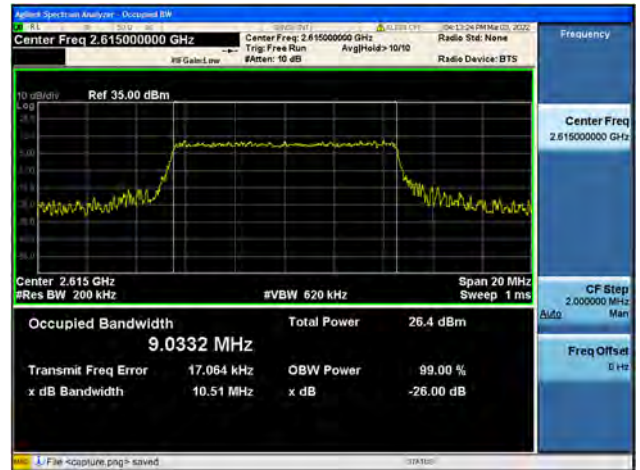
Band38 / 10MHz / Mid CH / 16QAM



Band38 / 10MHz / Mid CH / 64QAM



Band38 / 10MHz / High CH / QPSK



Band38 / 10MHz / High CH / 16QAM

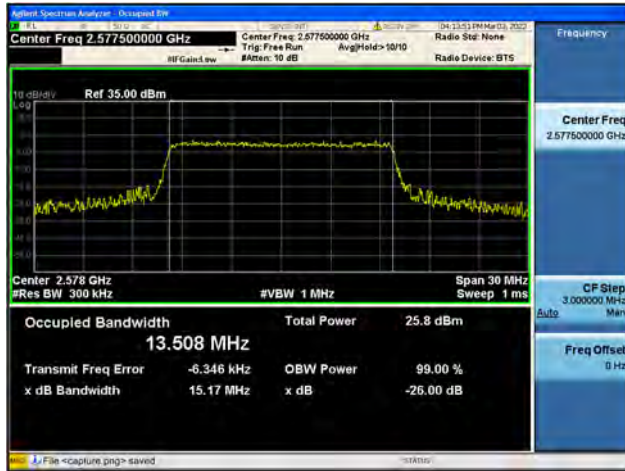


Band38 / 10MHz / High CH / 64QAM





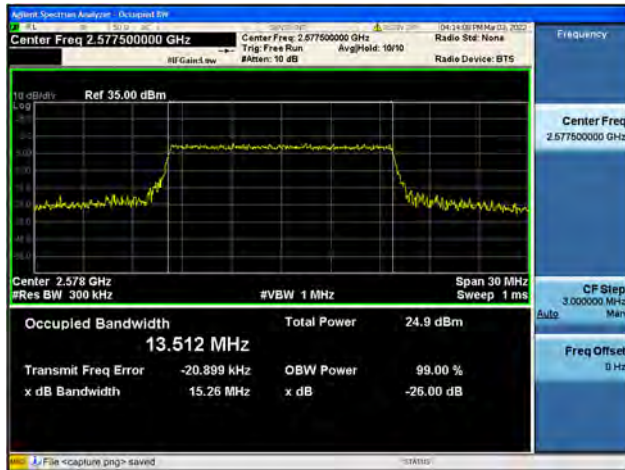
Band38 / 15MHz / Low CH / QPSK



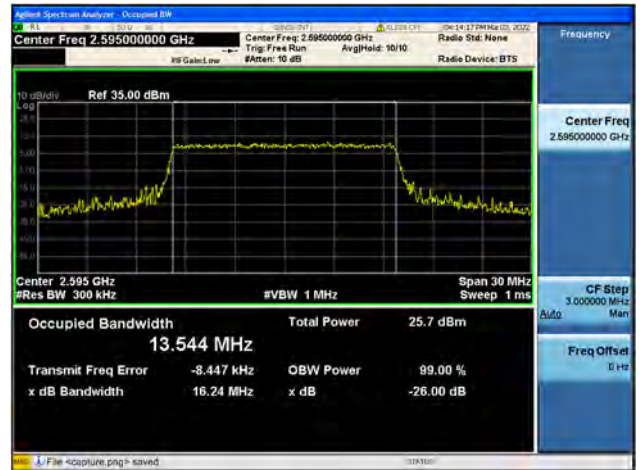
Band38 / 15MHz / Low CH / 16QAM



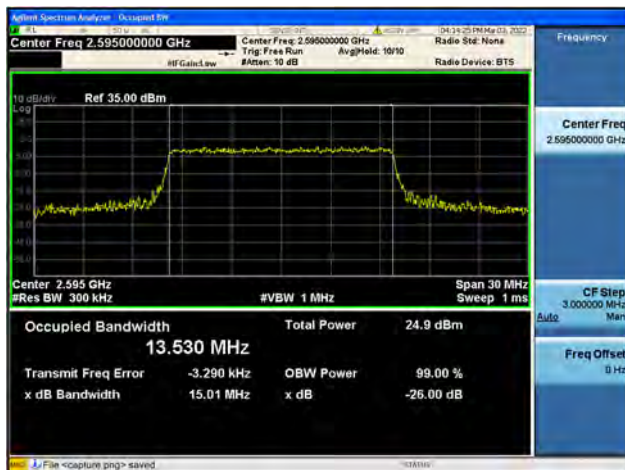
Band38 / 15MHz / Low CH / 64QAM



Band38 / 15MHz / Mid CH / QPSK



Band38 / 15MHz / Mid CH / 16QAM

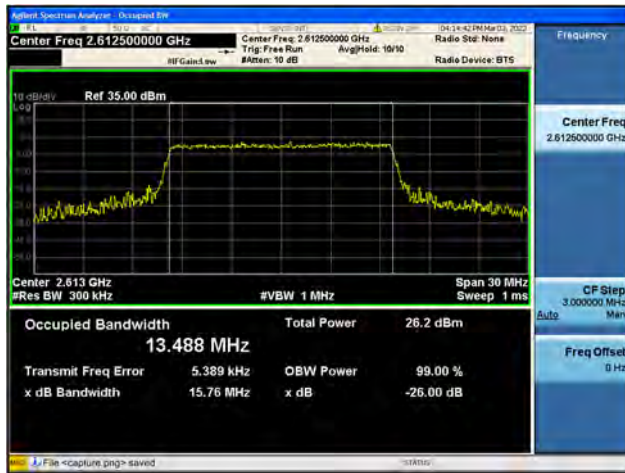


Band38 / 15MHz / Mid CH / 64QAM





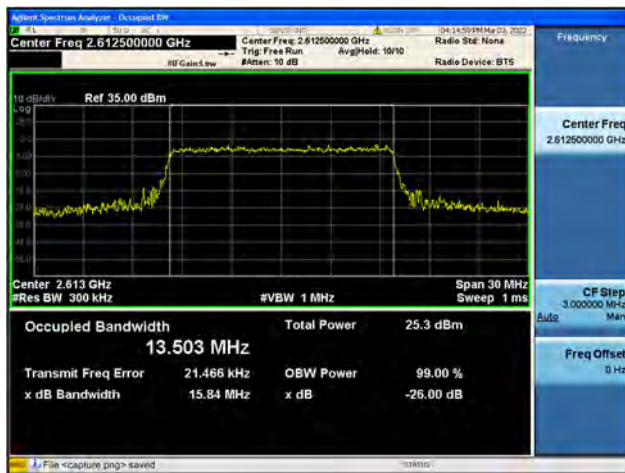
Band38 / 15MHz / High CH / QPSK



Band38 / 15MHz / High CH / 16QAM



Band38 / 15MHz / High CH / 64QAM



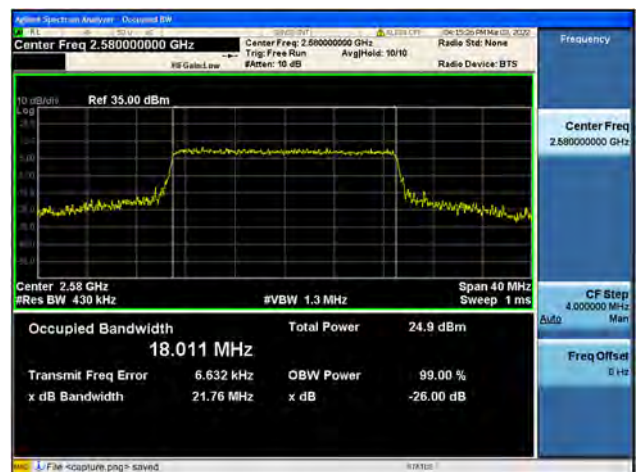
Band38 / 20MHz / Low CH / QPSK



Band38 / 20MHz / Low CH / 16QAM

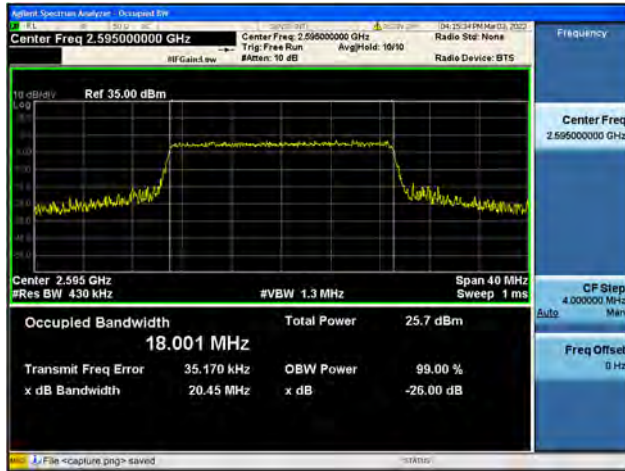


Band38 / 20MHz / Low CH / 64QAM

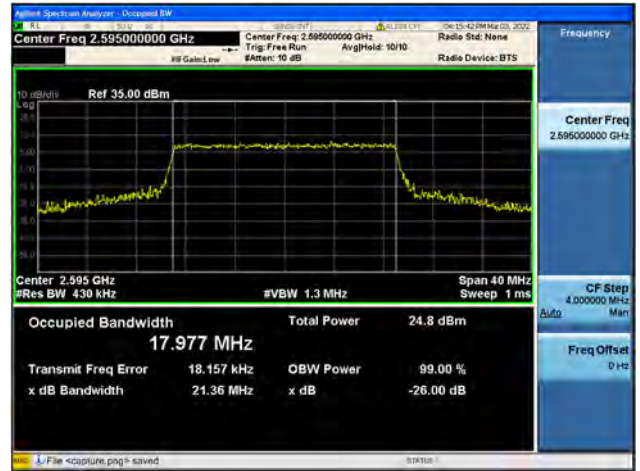




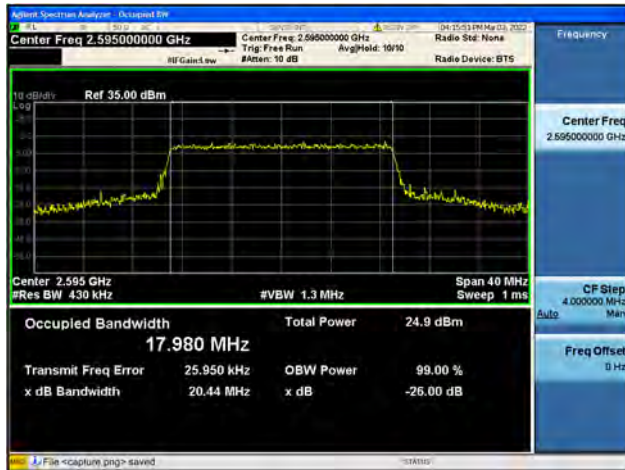
Band38 / 20MHz / Mid CH / QPSK



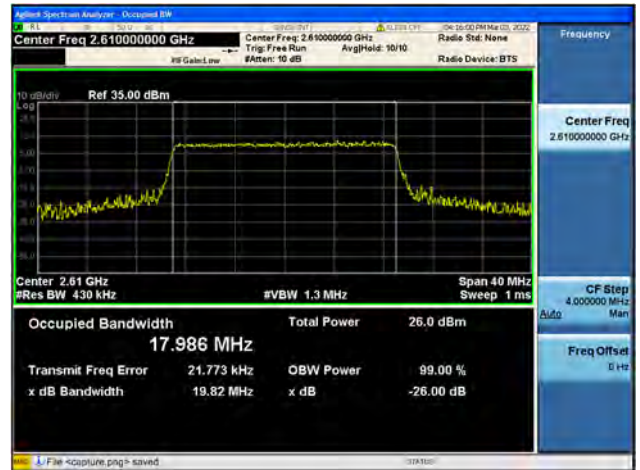
Band38 / 20MHz / Mid CH / 16QAM



Band38 / 20MHz / Mid CH / 64QAM



Band38 / 20MHz / High CH / QPSK



Band38 / 20MHz / High CH / 16QAM

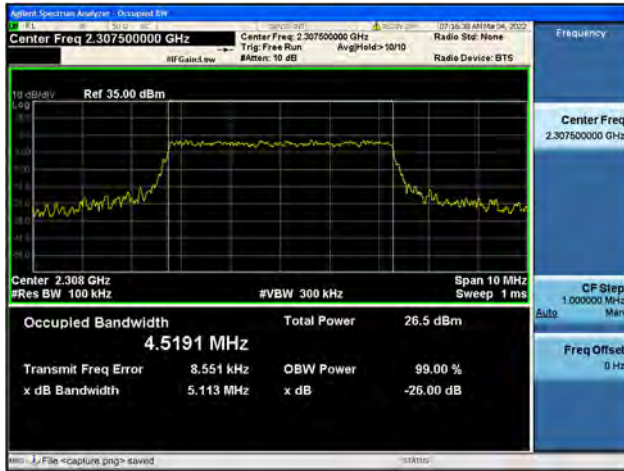


Band38 / 20MHz / High CH / 64QAM

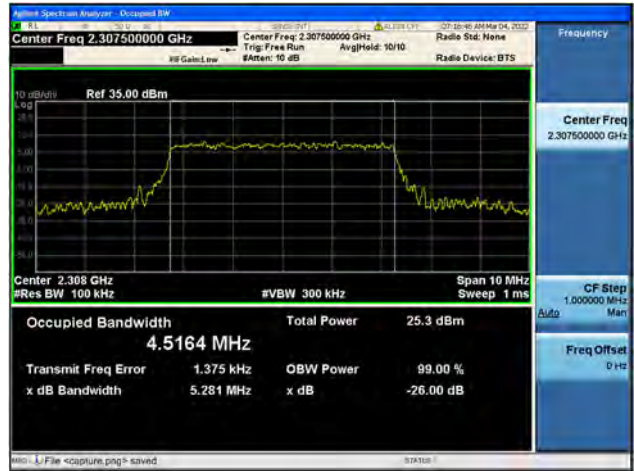




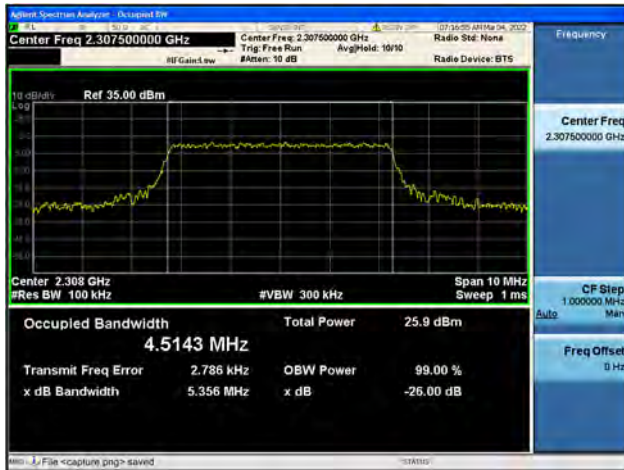
Band40/ Block A / 5MHz / Low CH / QPSK



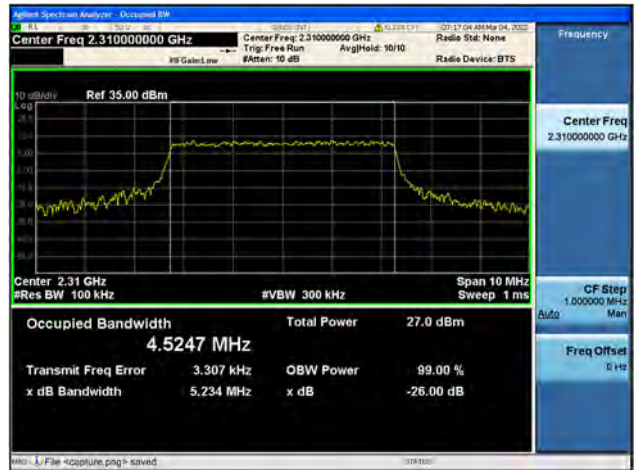
Band40/ Block A / 5MHz / Low CH / 16QAM



Band40/ Block A / 5MHz / Low CH / 64QAM



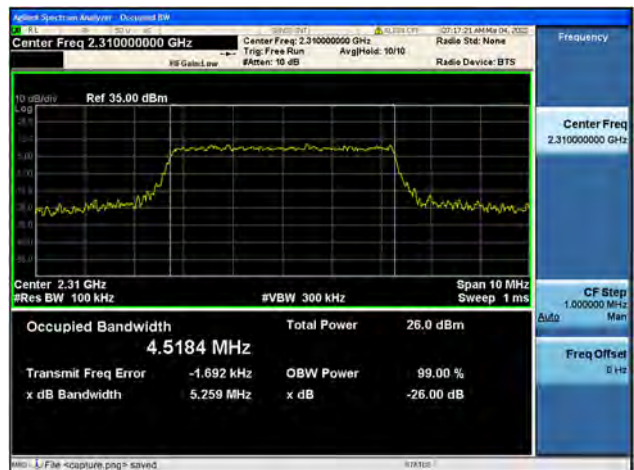
Band40/ Block A / 5MHz / Mid CH / QPSK



Band40/ Block A / 5MHz / Mid CH / 16QAM

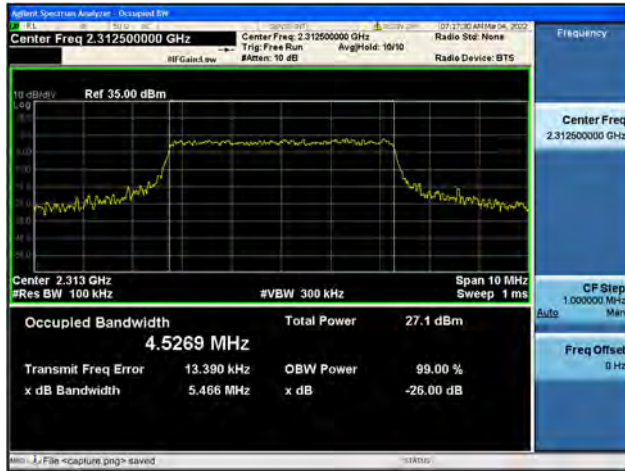


Band40/ Block A / 5MHz / Mid CH / 64QAM





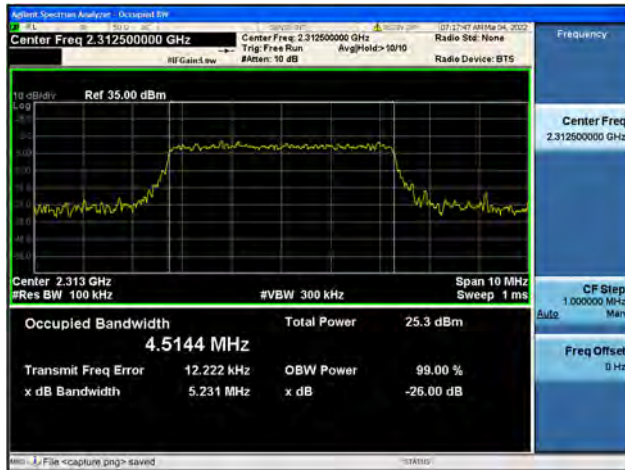
Band40/ Block A / 5MHz / High CH / QPSK



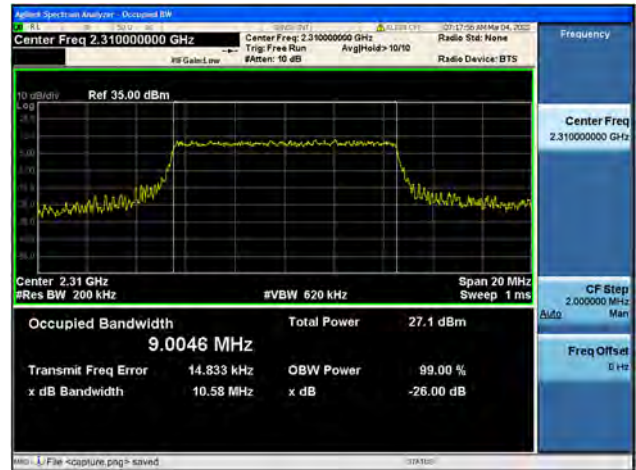
Band40/ Block A / 5MHz / High CH / 16QAM



Band40/ Block A / 5MHz / High CH / 64QAM



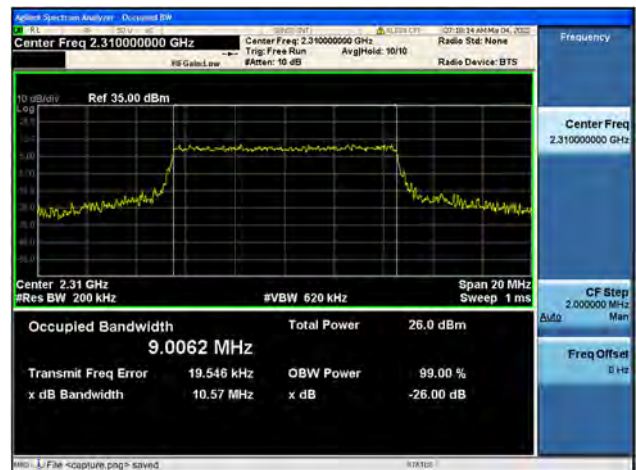
Band40/ Block A / 10MHz / Mid CH / QPSK



Band40/ Block A / 10MHz / Mid CH / 16QAM

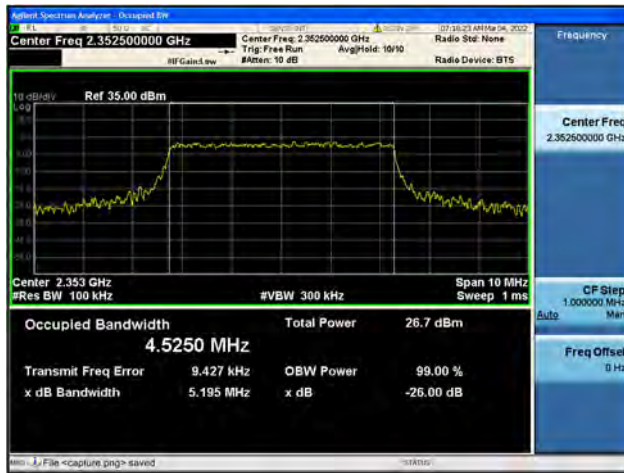


Band40/ Block A / 10MHz / Mid CH / 64QAM

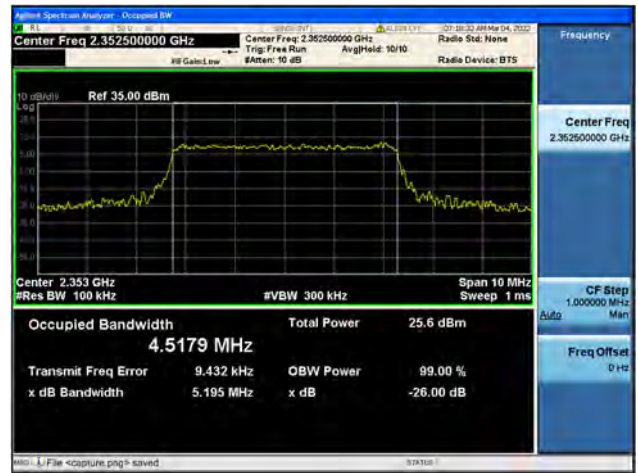




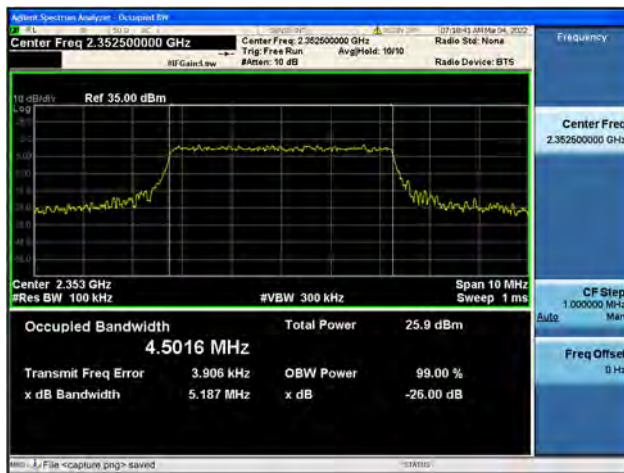
Band40/ Block B / 5MHz / Low CH / QPSK



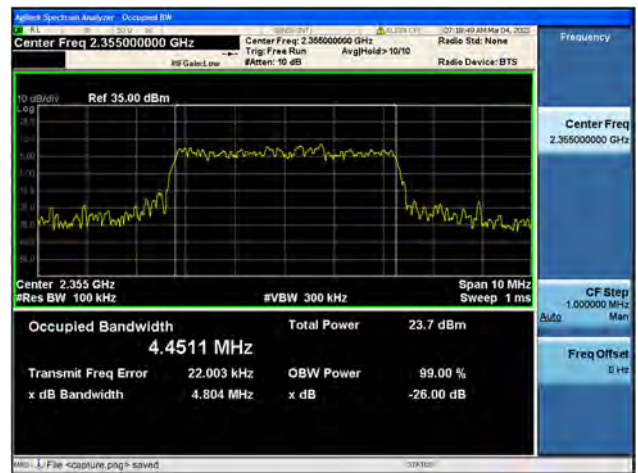
Band40/ Block B / 5MHz / Low CH / 16QAM



Band40/ Block B / 5MHz / Low CH / 64QAM



Band40/ Block B / 5MHz / Mid CH / QPSK



Band40/ Block B / 5MHz / Mid CH / 16QAM

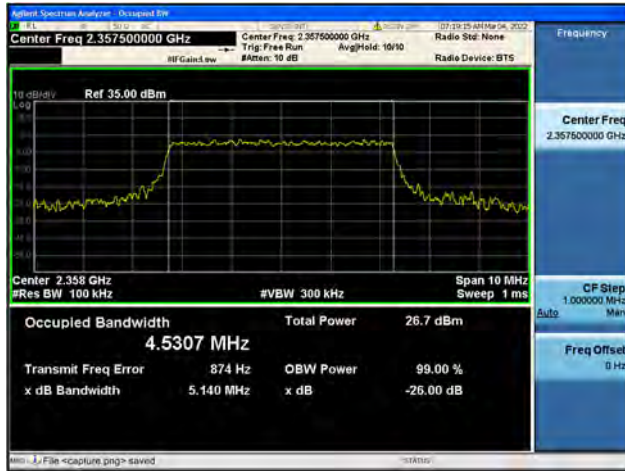


Band40/ Block B / 5MHz / Mid CH / 64QAM





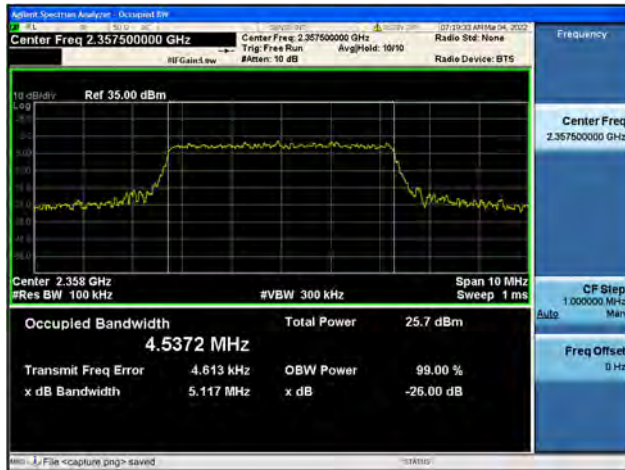
Band40/ Block B / 5MHz / High CH / QPSK



Band40/ Block B / 5MHz / High CH / 16QAM



Band40/ Block B / 5MHz / High CH / 64QAM



Band40/ Block B / 10MHz / Mid CH / QPSK



Band40/ Block B / 10MHz / Mid CH / 16QAM

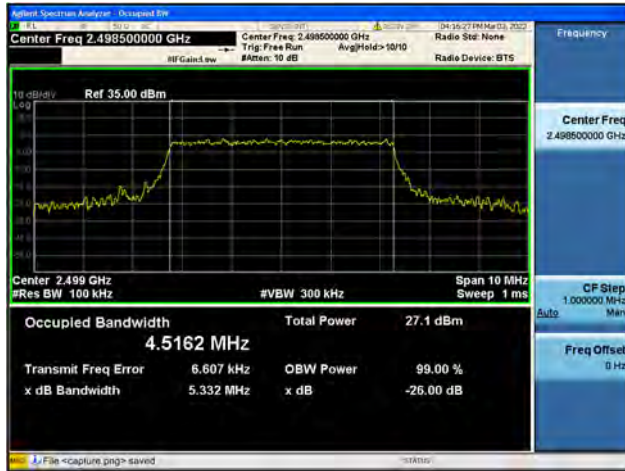


Band40/ Block B / 10MHz / Mid CH / 64QAM





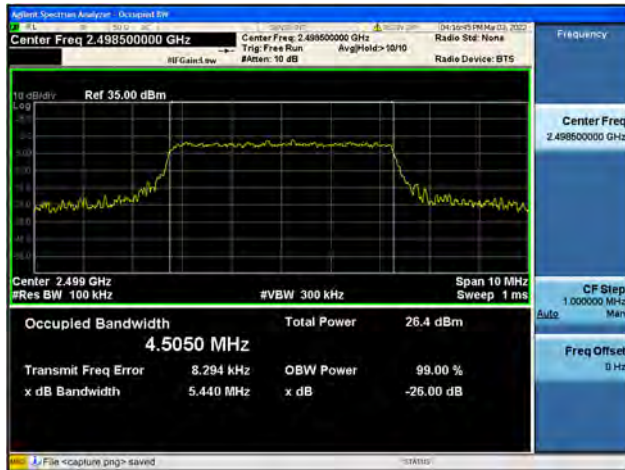
Band41 / 5MHz / Low CH / QPSK



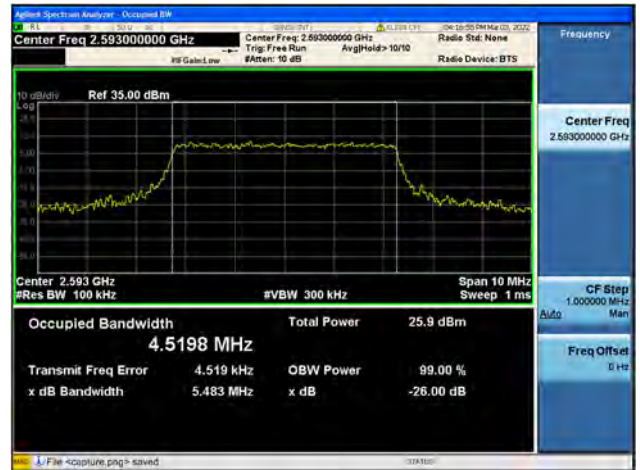
Band41 / 5MHz / Low CH / 16QAM



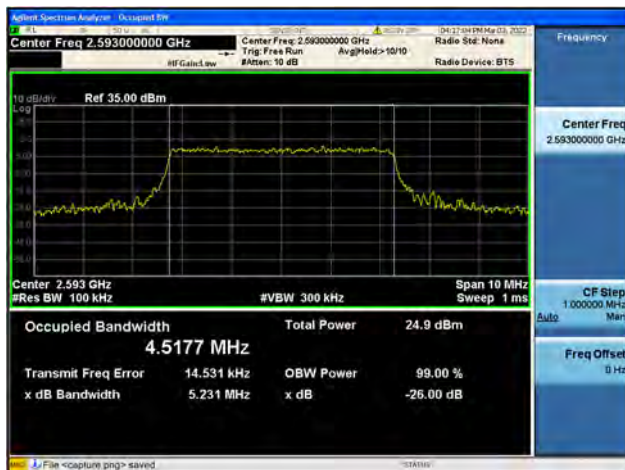
Band41 / 5MHz / Low CH / 64QAM



Band41 / 5MHz / Mid CH / QPSK



Band41 / 5MHz / Mid CH / 16QAM

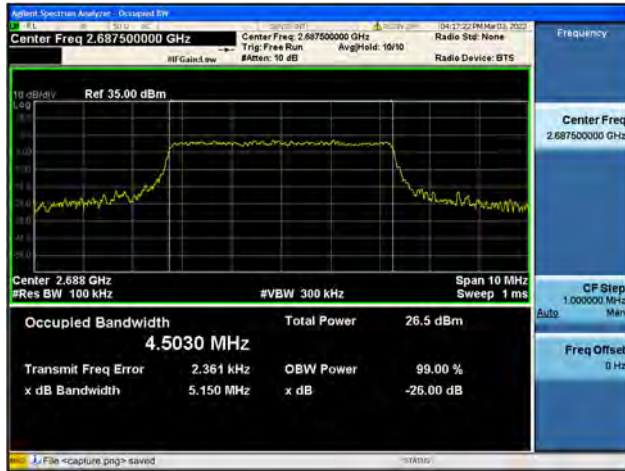


Band41 / 5MHz / Mid CH / 64QAM

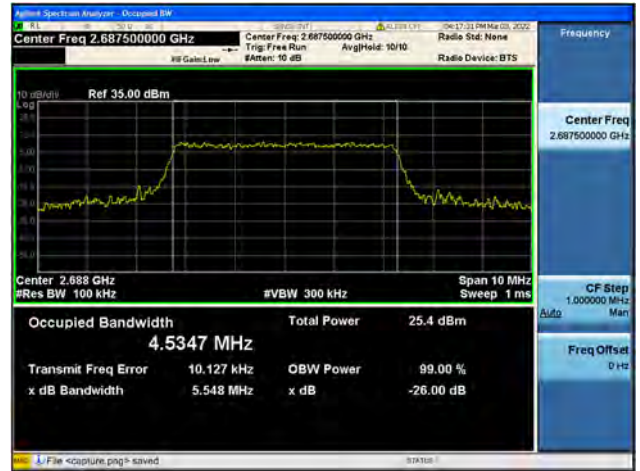




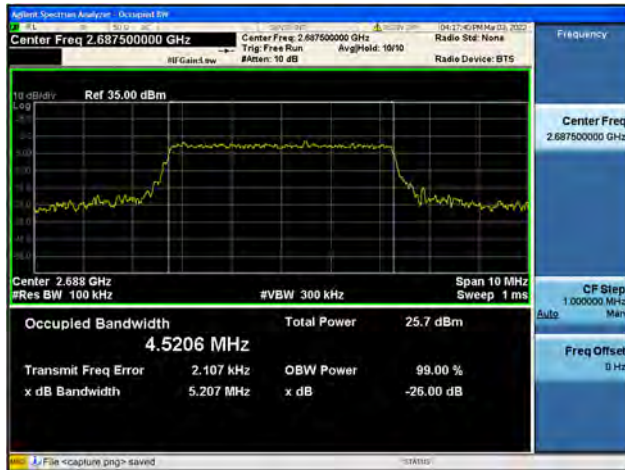
Band41 / 5MHz / High CH / QPSK



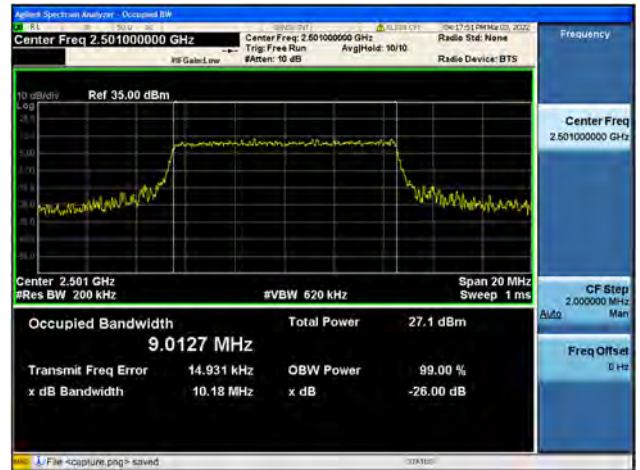
Band41 / 5MHz / High CH / 16QAM



Band41 / 5MHz / High CH / 64QAM



Band41 / 10MHz / Low CH / QPSK



Band41 / 10MHz / Low CH / 16QAM

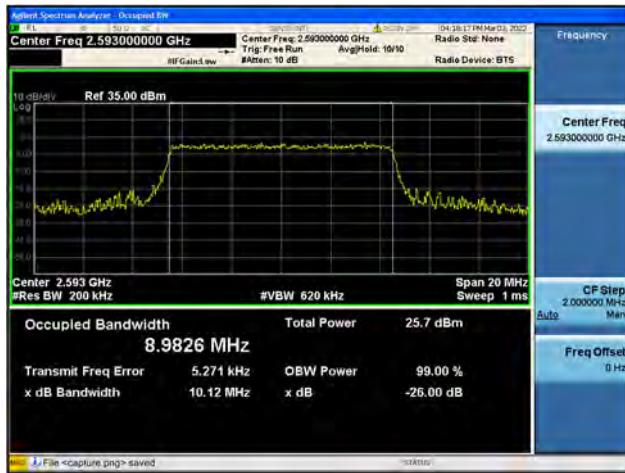


Band41 / 10MHz / Low CH / 64QAM





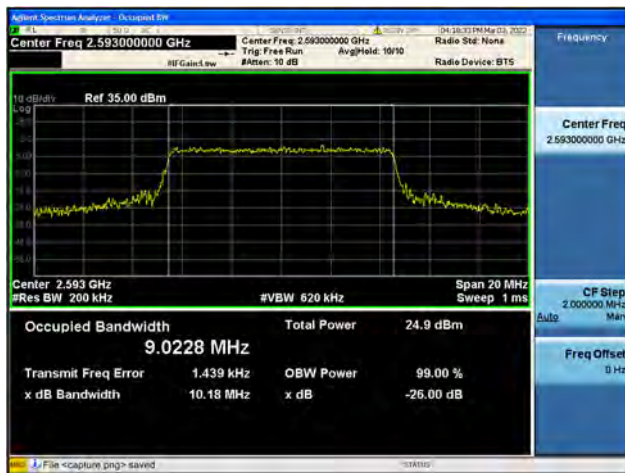
Band41 / 10MHz / Mid CH / QPSK



Band41 / 10MHz / Mid CH / 16QAM



Band41 / 10MHz / Mid CH / 64QAM



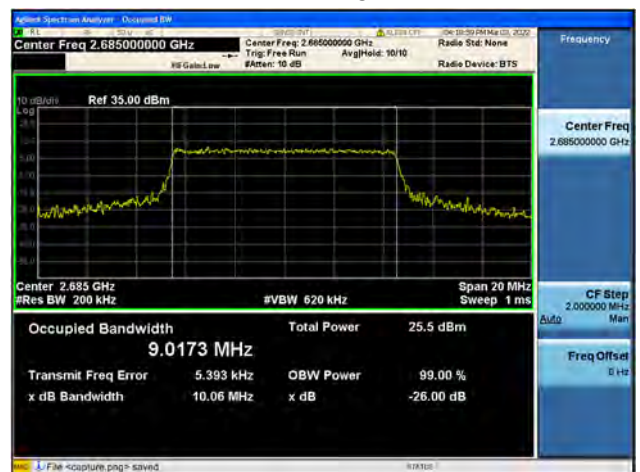
Band41 / 10MHz / High CH / QPSK



Band41 / 10MHz / High CH / 16QAM

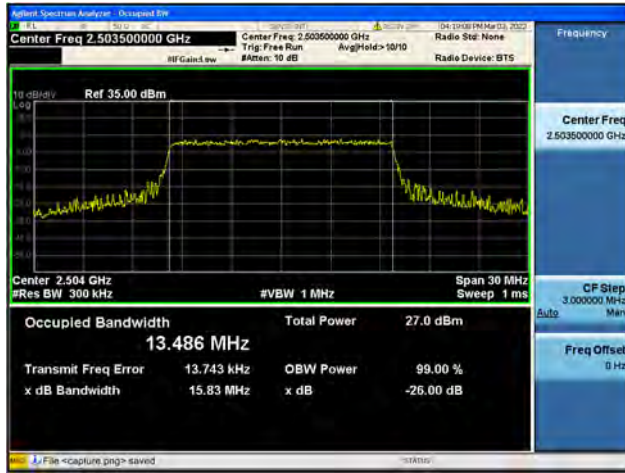


Band41 / 10MHz / High CH / 64QAM





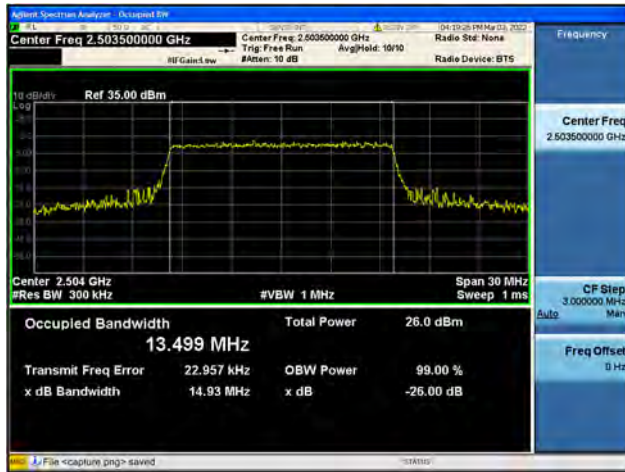
Band41 / 15MHz / Low CH / QPSK



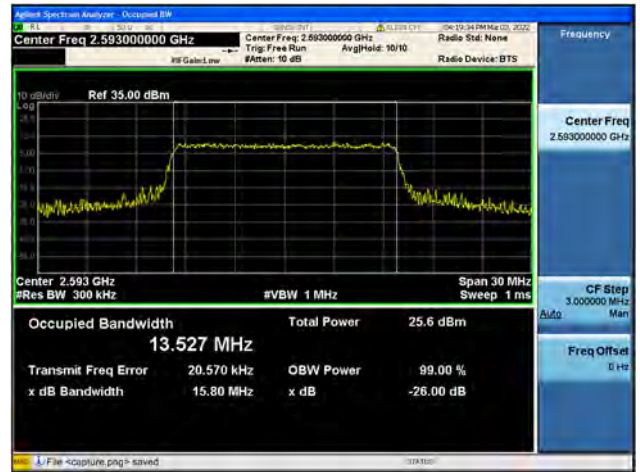
Band41 / 15MHz / Low CH / 16QAM



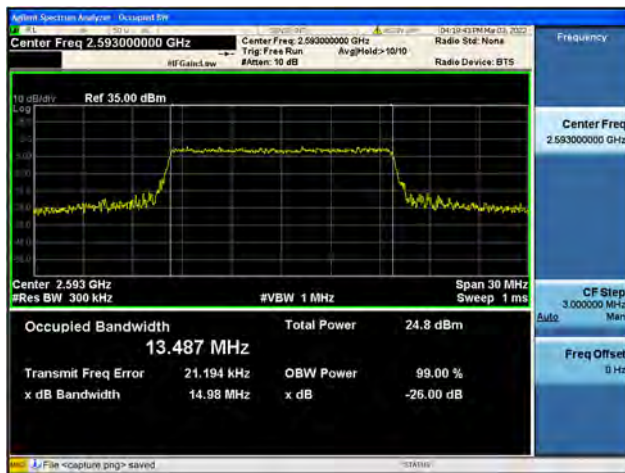
Band41 / 15MHz / Low CH / 64QAM



Band41 / 15MHz / Mid CH / QPSK



Band41 / 15MHz / Mid CH / 16QAM



Band41 / 15MHz / Mid CH / 64QAM





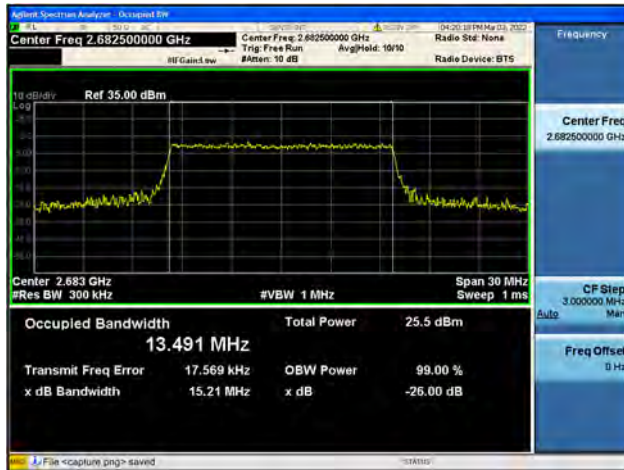
Band41 / 15MHz / High CH / QPSK



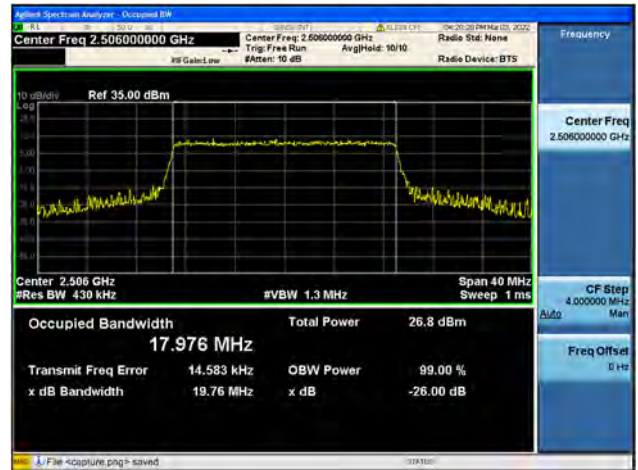
Band41 / 15MHz / High CH / 16QAM



Band41 / 15MHz / High CH / 64QAM



Band41 / 20MHz / Low CH / QPSK



Band41 / 20MHz / Low CH / 16QAM

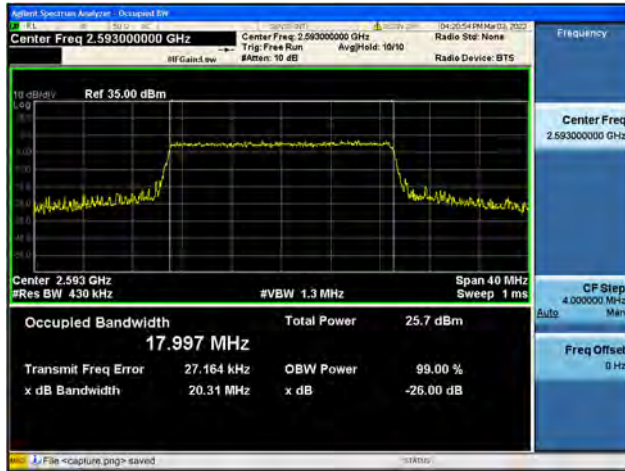


Band41 / 20MHz / Low CH / 64QAM





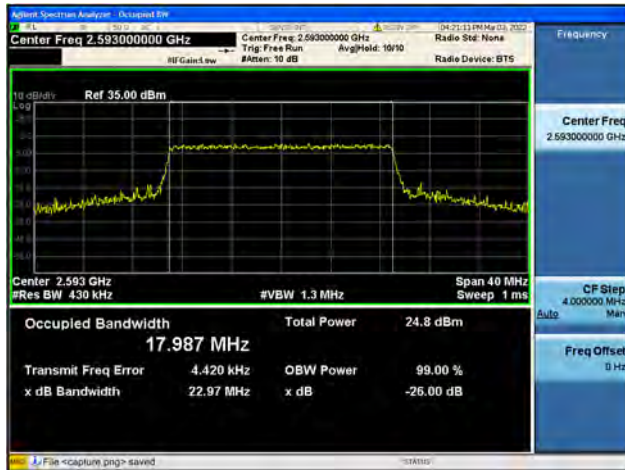
Band41 / 20MHz / Mid CH / QPSK



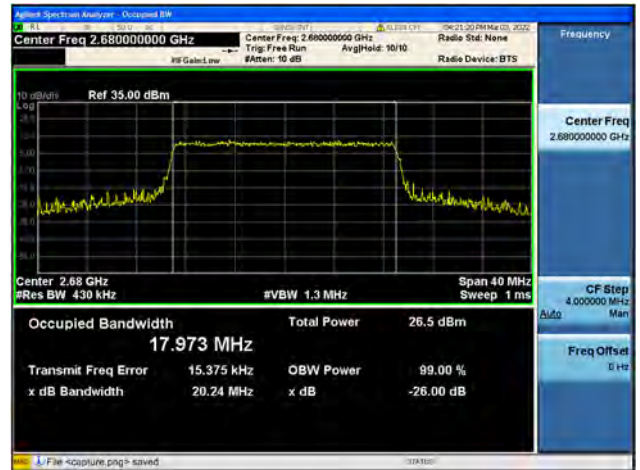
Band41 / 20MHz / Mid CH / 16QAM



Band41 / 20MHz / Mid CH / 64QAM



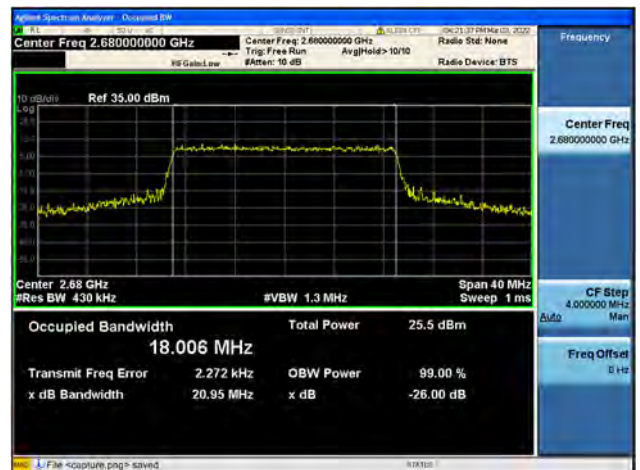
Band41 / 20MHz / High CH / QPSK



Band41 / 20MHz / High CH / 16QAM

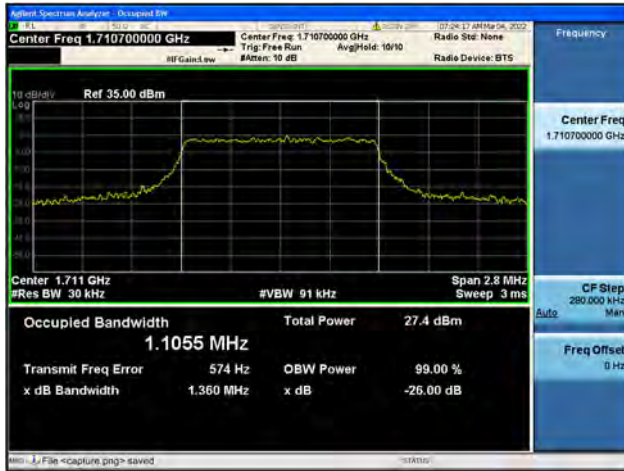


Band41 / 20MHz / High CH / 64QAM





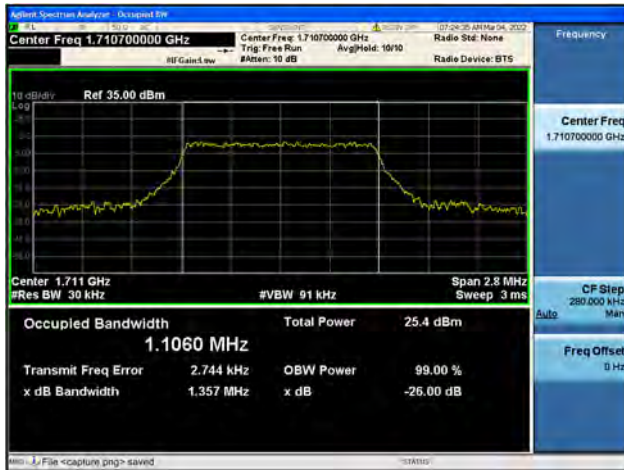
Band66 / 1.4MHz / Low CH / QPSK



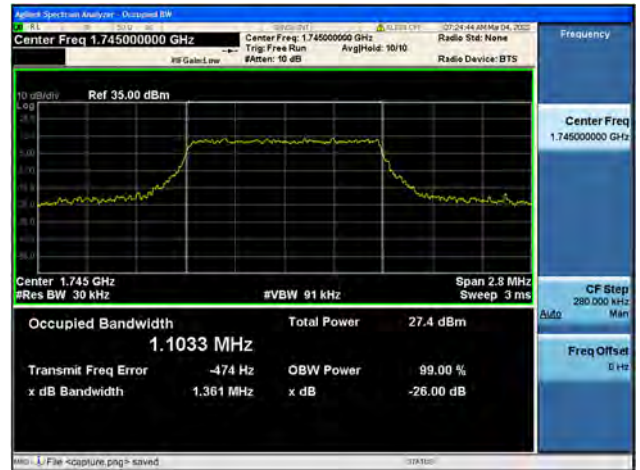
Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM



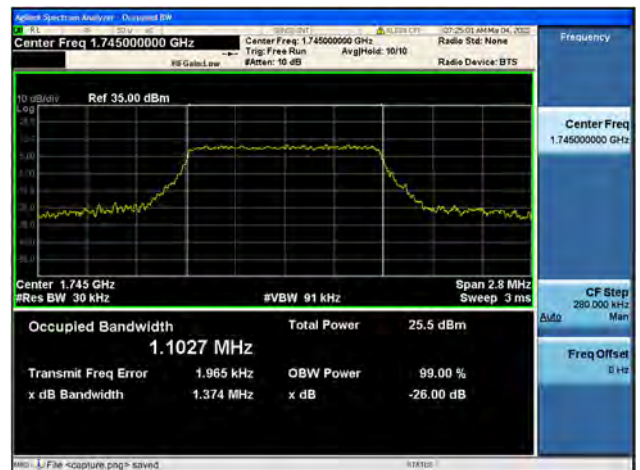
Band66 / 1.4MHz / Mid CH / QPSK



Band66 / 1.4MHz / Mid CH / 16QAM

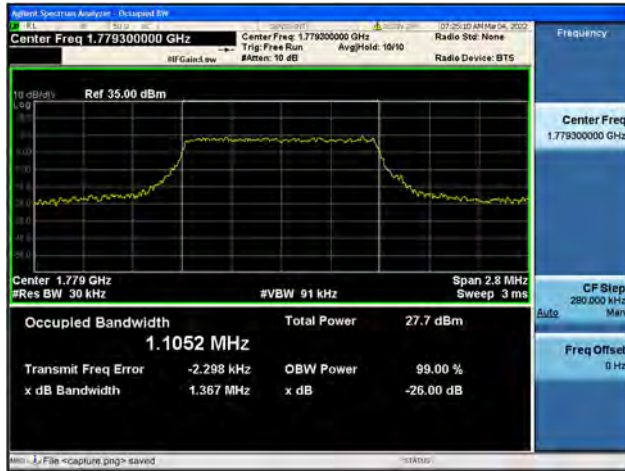


Band66 / 1.4MHz / Mid CH / 64QAM

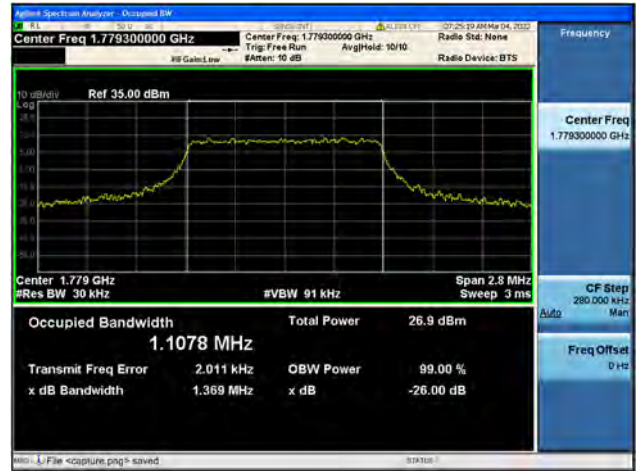




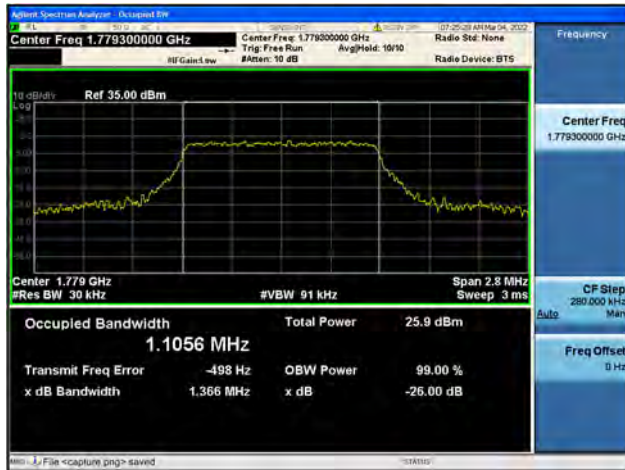
Band66 / 1.4MHz / High CH / QPSK



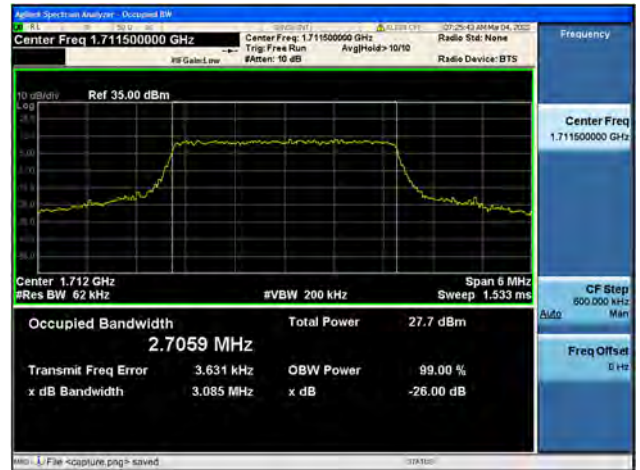
Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM



Band66 / 3MHz / Low CH / QPSK



Band66 / 3MHz / Low CH / 16QAM

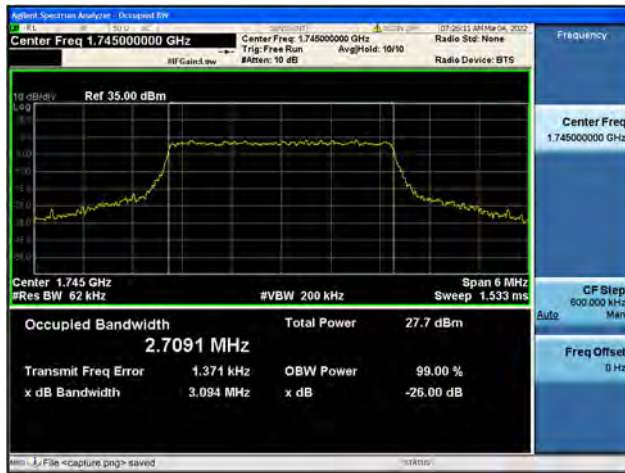


Band66 / 3MHz / Low CH / 64QAM





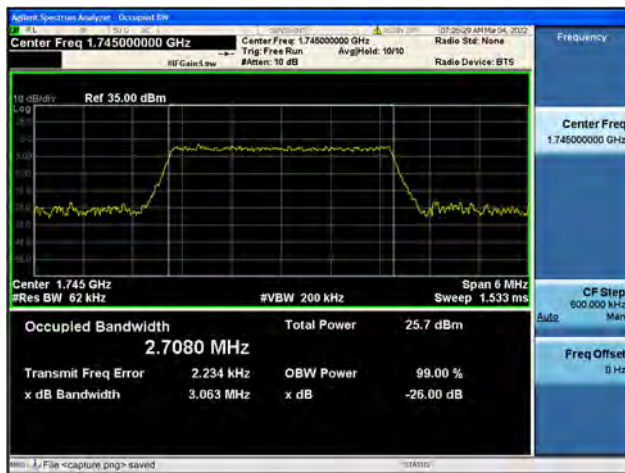
Band66 / 3MHz / Mid CH / QPSK



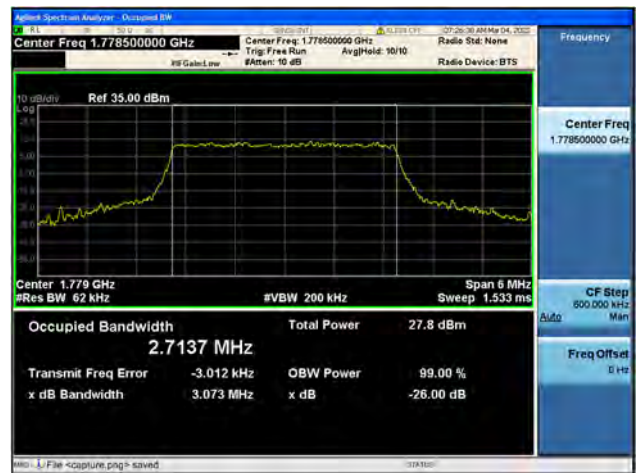
Band66 / 3MHz / Mid CH / 16QAM



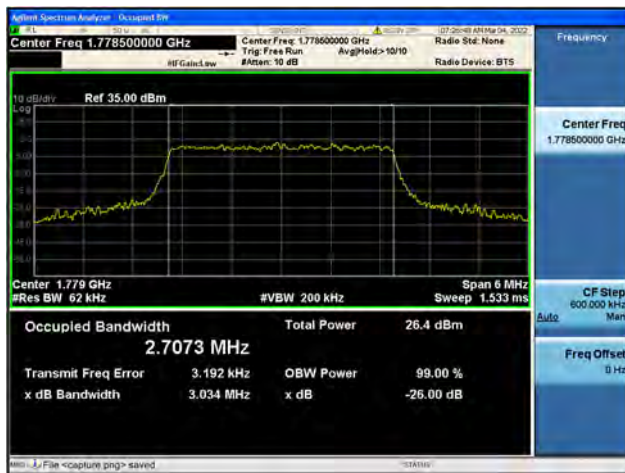
Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM



Band66 / 3MHz / High CH / 64QAM

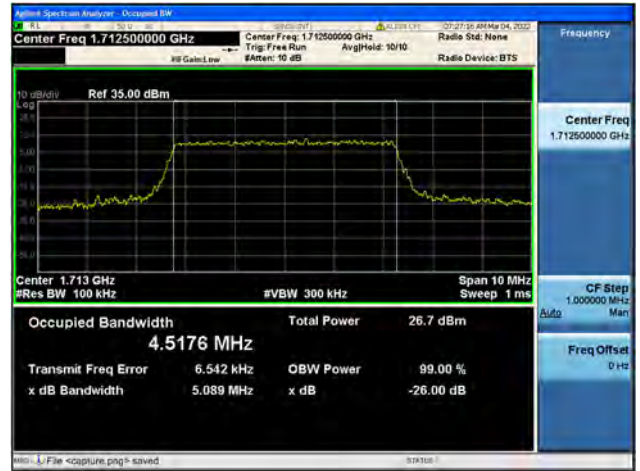




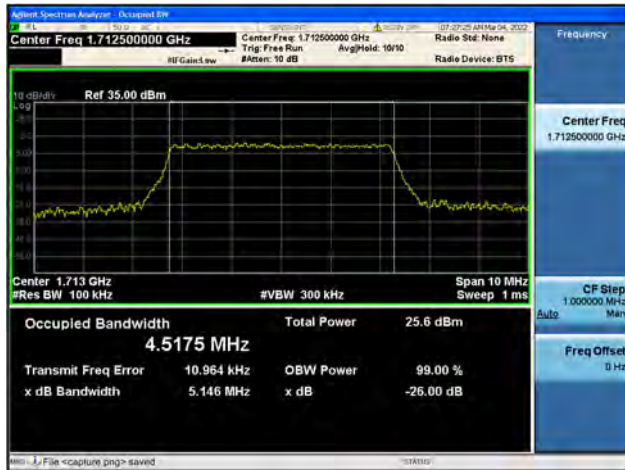
Band66 / 5MHz / Low CH / QPSK



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

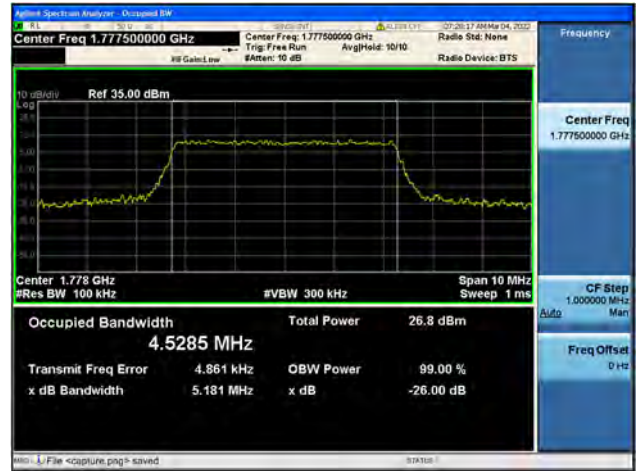




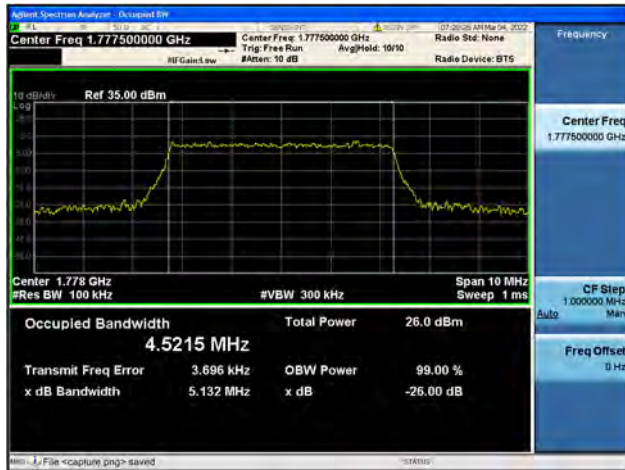
Band66 / 5MHz / High CH / QPSK



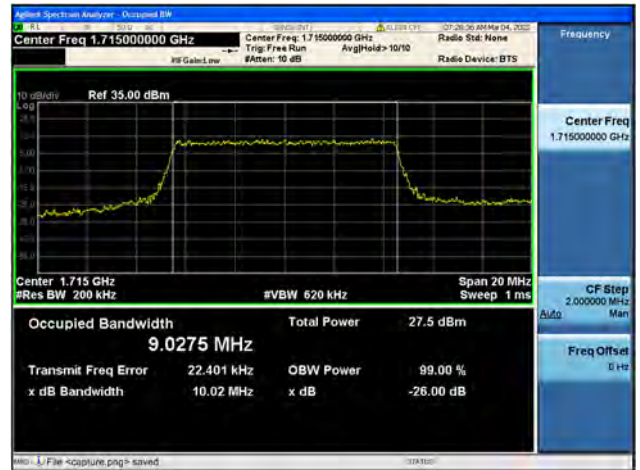
Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK



Band66 / 10MHz / Low CH / 16QAM

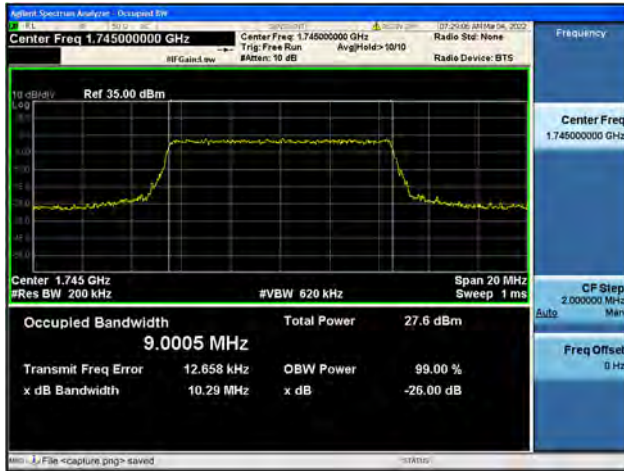


Band66 / 10MHz / Low CH / 64QAM





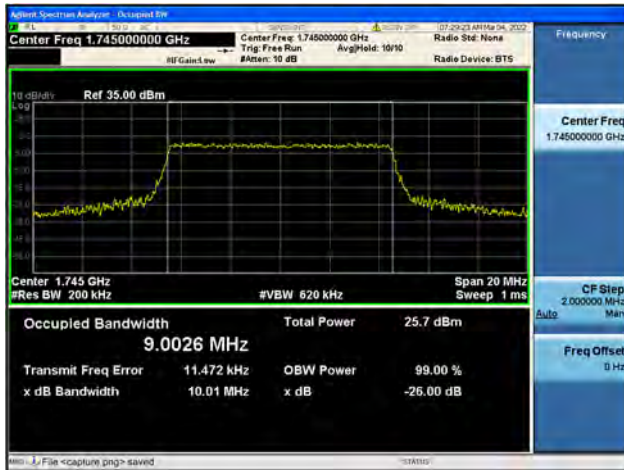
Band66 / 10MHz / Mid CH / QPSK



Band66 / 10MHz / Mid CH / 16QAM



Band66 / 10MHz / Mid CH / 64QAM



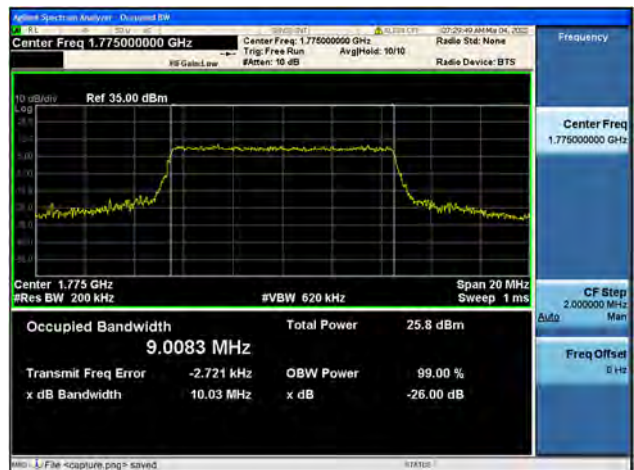
Band66 / 10MHz / High CH / QPSK



Band66 / 10MHz / High CH / 16QAM

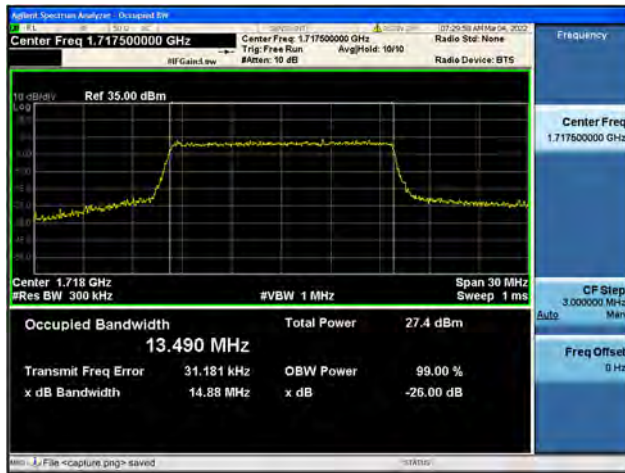


Band66 / 10MHz / High CH / 64QAM

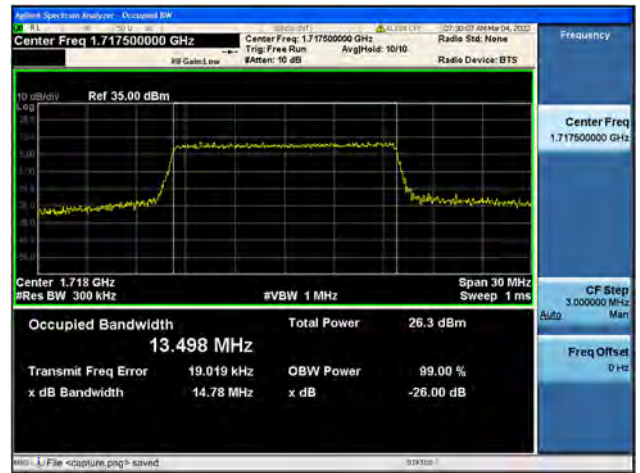




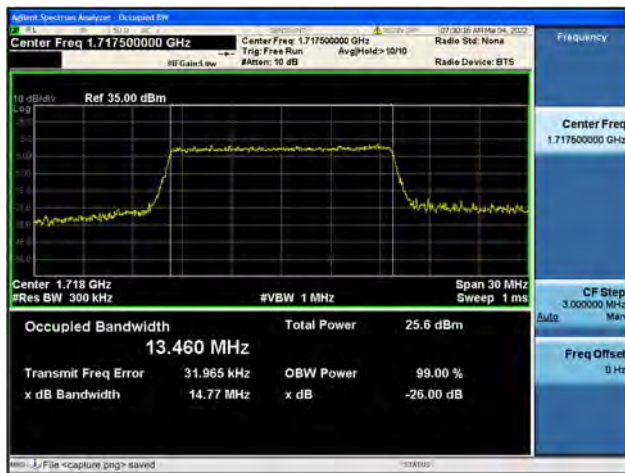
Band66 / 15MHz / Low CH / QPSK



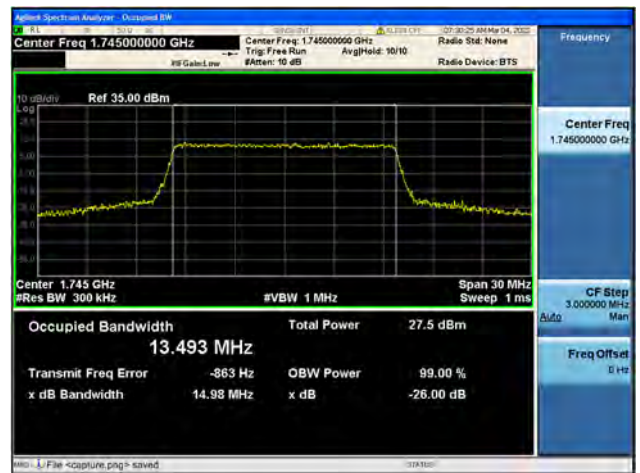
Band66 / 15MHz / Low CH / 16QAM



Band66 / 15MHz / Low CH / 64QAM



Band66 / 15MHz / Mid CH / QPSK



Band66 / 15MHz / Mid CH / 16QAM



Band66 / 15MHz / Mid CH / 64QAM

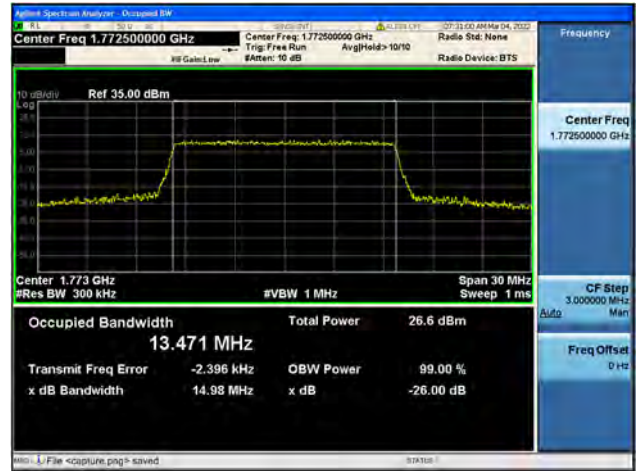




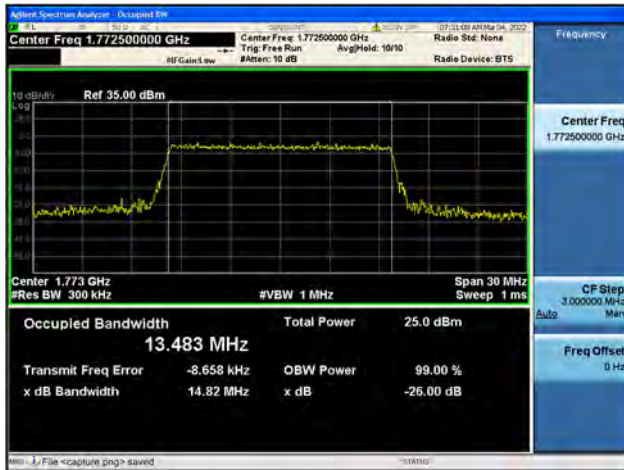
Band66 / 15MHz / High CH / QPSK



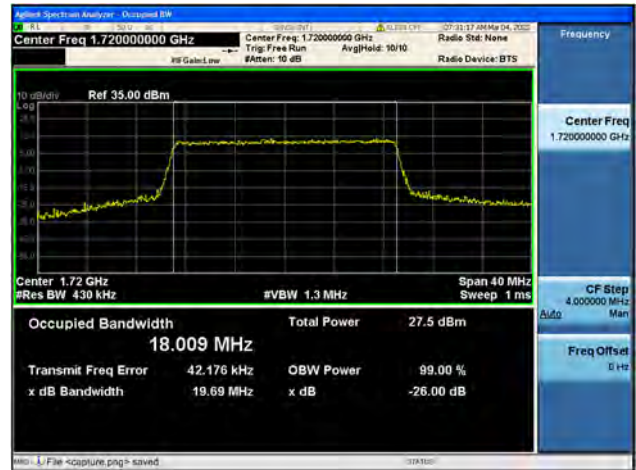
Band66 / 15MHz / High CH / 16QAM



Band66 / 15MHz / High CH / 64QAM



Band66 / 20MHz / Low CH / QPSK



Band66 / 20MHz / Low CH / 16QAM

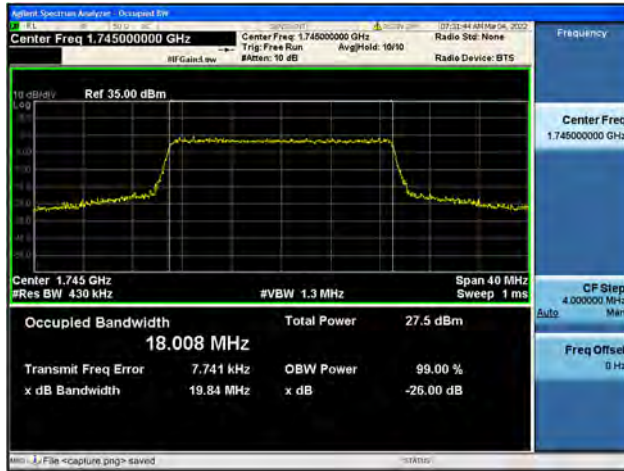


Band66 / 20MHz / Low CH / 64QAM





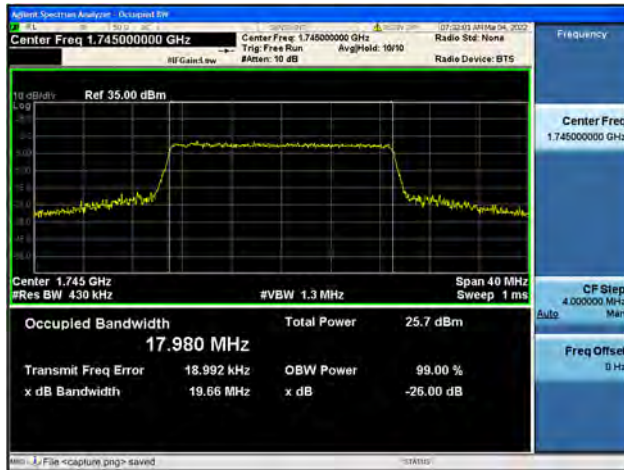
Band66 / 20MHz / Mid CH / QPSK



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



2.3. Frequency Stability

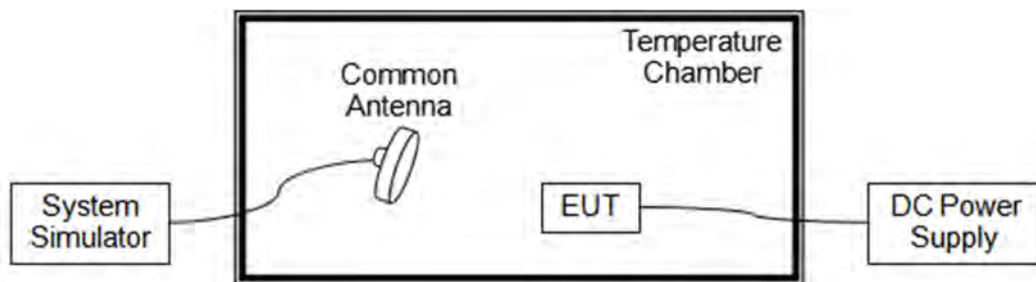
2.3.1. Requirement

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 0°C to 40°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 7.78V, 8.96V and 6.30V, 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
Normal	7.78	+20(Ref)	28	0.015	PASS
Normal		0	14	0.007	
Normal		+10	33	0.018	
Normal		+20	30	0.016	
Normal		+30	51	0.027	
Normal		+40	-16	-0.009	
High	8.96	+20	-32	-0.017	
BATT.ENDPOINT	6.30	+20	19	0.010	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	22	0.013	PASS
Normal		0	33	0.019	
Normal		+10	34	0.020	
Normal		+20	21	0.012	
Normal		+30	28	0.016	
Normal		+40	53	0.031	
High	8.96	+20	24	0.014	
BATT.ENDPOINT	6.30	+20	43	0.025	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	17	0.020	PASS
Normal		0	-48	-0.057	
Normal		+10	45	0.054	
Normal		+20	16	0.019	
Normal		+30	44	0.053	
Normal		+40	-39	-0.047	
High	8.96	+20	-50	-0.060	
BATT.ENDPOINT	6.30	+20	-46	-0.055	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz					
Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-43	-0.017	PASS
Normal		0	49	0.019	
Normal		+10	26	0.010	
Normal		+20	-18	-0.007	
Normal		+30	-32	-0.013	
Normal		+40	-55	-0.022	
High	8.96	+20	23	0.009	
BATT.ENDPOINT	6.30	+20	-37	-0.015	



LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-59	-0.083	PASS
Normal		0	-36	-0.051	
Normal		+10	-18	-0.025	
Normal		+20	44	0.062	
Normal		+30	25	0.035	
Normal		+40	-32	-0.045	
High	8.96	+20	-13	-0.018	
BATT.ENDPOINT	6.30	+20	-16	-0.023	

LTE Band 17, QPSK, Channel 23790, Frequency 710MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	45	0.063	PASS
Normal		0	56	0.079	
Normal		+10	-59	-0.083	
Normal		+20	37	0.052	
Normal		+30	51	0.072	
Normal		+40	40	0.056	
High	8.96	+20	41	0.058	
BATT.ENDPOINT	6.30	+20	57	0.080	



LTE Band 18, QPSK, Channel 23970, Frequency 827MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	51	0.062	PASS
Normal		0	35	0.042	
Normal		+10	39	0.047	
Normal		+20	21	0.025	
Normal		+30	45	0.054	
Normal		+40	-41	-0.050	
High	8.96	+20	-47	-0.057	
BATT.ENDPOINT	6.30	+20	-56	-0.068	

LTE Band 19, QPSK, Channel 24075, Frequency 837.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-50	-0.060	PASS
Normal		0	39	0.047	
Normal		+10	-24	-0.029	
Normal		+20	-56	-0.067	
Normal		+30	55	0.066	
Normal		+40	-47	-0.056	
High	8.96	+20	24	0.029	
BATT.ENDPOINT	6.30	+20	20	0.024	



LTE Band 26, QPSK, Channel 26915, Frequency 836.5MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-41	-0.049	PASS
Normal		0	38	0.045	
Normal		+10	20	0.024	
Normal		+20	37	0.044	
Normal		+30	46	0.055	
Normal		+40	-35	-0.042	
High	8.96	+20	-56	-0.067	
BATT.ENDPOINT	6.30	+20	38	0.045	

LTE Band 38, QPSK, Channel 38000, Frequency 2595MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-54	-0.021	PASS
Normal		0	27	0.010	
Normal		+10	22	0.008	
Normal		+20	-27	-0.010	
Normal		+30	19	0.007	
Normal		+40	39	0.015	
High	8.96	+20	-19	-0.007	
BATT.ENDPOINT	6.30	+20	36	0.014	



LTE Band 40, Block A, QPSK, Channel 38750, Frequency 2310MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	41	0.018	PASS
Normal		0	48	0.021	
Normal		+10	18	0.008	
Normal		+20	41	0.018	
Normal		+30	48	0.021	
Normal		+40	28	0.012	
High	8.96	+20	-59	-0.026	
BATT.ENDPOINT	6.30	+20	49	0.021	

LTE Band 40 Block B, QPSK, Channel 39200, Frequency 2355MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	25	0.011	PASS
Normal		0	21	0.009	
Normal		+10	53	0.023	
Normal		+20	-48	-0.020	
Normal		+30	-42	-0.018	
Normal		+40	-36	-0.015	
High	8.96	+20	23	0.010	
BATT.ENDPOINT	6.30	+20	21	0.009	



LTE Band 41, QPSK, Channel 40620, Frequency 2593MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-58	-0.022	PASS
Normal		0	-34	-0.013	
Normal		+10	-47	-0.018	
Normal		+20	-59	-0.023	
Normal		+30	-29	-0.011	
Normal		+40	-37	-0.014	
High	8.96	+20	-31	-0.012	
BATT.ENDPOINT	6.30	+20	29	0.011	

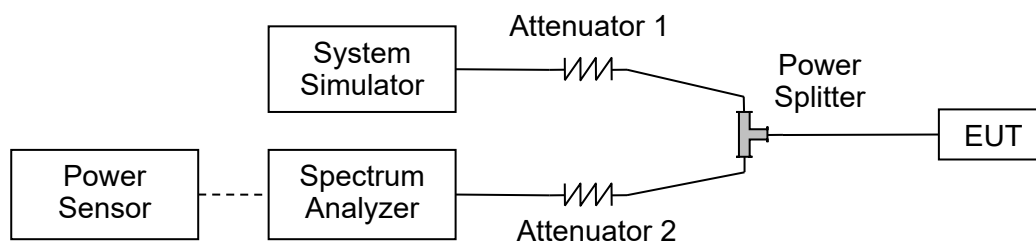
LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	-43	-0.025	PASS
Normal		0	-25	-0.014	
Normal		+10	23	0.013	
Normal		+20	-57	-0.033	
Normal		+30	19	0.011	
Normal		+40	45	0.026	
High	8.96	+20	-58	-0.033	
BATT.ENDPOINT	6.30	+20	-48	-0.028	

2.4. Peak to Average Ratio

2.4.1. Requirement

According to FCC section 24.232(d) and 27.50(d), 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	4.42	<=13	PASS
	Low	16QAM	5.34	<=13	PASS
	Low	64QAM	5.37	<=13	PASS
	Mid	QPSK	4.47	<=13	PASS
	Mid	16QAM	5.41	<=13	PASS
	Mid	64QAM	5.41	<=13	PASS
	High	QPSK	4.41	<=13	PASS
	High	16QAM	5.33	<=13	PASS
	High	64QAM	5.33	<=13	PASS
3	Low	QPSK	4.58	<=13	PASS
	Low	16QAM	5.55	<=13	PASS
	Low	64QAM	5.55	<=13	PASS
	Mid	QPSK	4.58	<=13	PASS
	Mid	16QAM	5.53	<=13	PASS
	Mid	64QAM	5.55	<=13	PASS
	High	QPSK	4.69	<=13	PASS
	High	16QAM	5.49	<=13	PASS
	High	64QAM	5.51	<=13	PASS
5	Low	QPSK	4.81	<=13	PASS
	Low	16QAM	5.81	<=13	PASS
	Low	64QAM	5.84	<=13	PASS
	Mid	QPSK	4.99	<=13	PASS
	Mid	16QAM	5.82	<=13	PASS
	Mid	64QAM	5.81	<=13	PASS
	High	QPSK	4.79	<=13	PASS
	High	16QAM	5.77	<=13	PASS
	High	64QAM	5.76	<=13	PASS
10	Low	QPSK	4.93	<=13	PASS
	Low	16QAM	5.84	<=13	PASS
	Low	64QAM	5.83	<=13	PASS
	Mid	QPSK	4.99	<=13	PASS
	Mid	16QAM	5.89	<=13	PASS
	Mid	64QAM	5.86	<=13	PASS
	High	QPSK	4.91	<=13	PASS
	High	16QAM	5.81	<=13	PASS
	High	64QAM	5.81	<=13	PASS



15	Low	QPSK	4.71	<=13	PASS
	Low	16QAM	5.81	<=13	PASS
	Low	64QAM	5.70	<=13	PASS
	Mid	QPSK	4.72	<=13	PASS
	Mid	16QAM	5.63	<=13	PASS
	Mid	64QAM	5.62	<=13	PASS
	High	QPSK	4.74	<=13	PASS
	High	16QAM	5.64	<=13	PASS
	High	64QAM	5.64	<=13	PASS
20	Low	QPSK	4.89	<=13	PASS
	Low	16QAM	5.78	<=13	PASS
	Low	64QAM	5.79	<=13	PASS
	Mid	QPSK	4.79	<=13	PASS
	Mid	16QAM	5.77	<=13	PASS
	Mid	64QAM	5.73	<=13	PASS
	High	QPSK	5.03	<=13	PASS
	High	16QAM	5.76	<=13	PASS
	High	64QAM	5.80	<=13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.27	<=13	PASS
	Low	16QAM	5.17	<=13	PASS
	Low	64QAM	5.11	<=13	PASS
	Mid	QPSK	4.41	<=13	PASS
	Mid	16QAM	5.33	<=13	PASS
	Mid	64QAM	5.35	<=13	PASS
	High	QPSK	4.22	<=13	PASS
	High	16QAM	5.14	<=13	PASS
	High	64QAM	5.16	<=13	PASS
3	Low	QPSK	4.38	<=13	PASS
	Low	16QAM	5.28	<=13	PASS
	Low	64QAM	5.30	<=13	PASS
	Mid	QPSK	4.55	<=13	PASS
	Mid	16QAM	5.51	<=13	PASS
	Mid	64QAM	5.52	<=13	PASS
	High	QPSK	4.37	<=13	PASS
	High	16QAM	5.29	<=13	PASS
	High	64QAM	5.30	<=13	PASS
5	Low	QPSK	4.67	<=13	PASS
	Low	16QAM	5.59	<=13	PASS
	Low	64QAM	5.56	<=13	PASS
	Mid	QPSK	4.80	<=13	PASS
	Mid	16QAM	5.78	<=13	PASS
	Mid	64QAM	5.78	<=13	PASS
	High	QPSK	4.66	<=13	PASS
	High	16QAM	5.62	<=13	PASS
	High	64QAM	5.63	<=13	PASS
10	Low	QPSK	4.81	<=13	PASS
	Low	16QAM	5.61	<=13	PASS
	Low	64QAM	5.64	<=13	PASS
	Mid	QPSK	4.90	<=13	PASS
	Mid	16QAM	5.81	<=13	PASS
	Mid	64QAM	5.82	<=13	PASS
	High	QPSK	4.84	<=13	PASS
	High	16QAM	5.70	<=13	PASS
	High	64QAM	5.72	<=13	PASS



15	Low	QPSK	4.51	<=13	PASS
	Low	16QAM	5.46	<=13	PASS
	Low	64QAM	5.44	<=13	PASS
	Mid	QPSK	4.62	<=13	PASS
	Mid	16QAM	5.60	<=13	PASS
	Mid	64QAM	5.59	<=13	PASS
	High	QPSK	4.51	<=13	PASS
	High	16QAM	5.49	<=13	PASS
	High	64QAM	5.50	<=13	PASS
20	Low	QPSK	4.75	<=13	PASS
	Low	16QAM	5.66	<=13	PASS
	Low	64QAM	5.65	<=13	PASS
	Mid	QPSK	4.68	<=13	PASS
	Mid	16QAM	5.70	<=13	PASS
	Mid	64QAM	5.70	<=13	PASS
	High	QPSK	4.68	<=13	PASS
	High	16QAM	5.63	<=13	PASS
	High	64QAM	5.63	<=13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.33	<=13	PASS
	Low	16QAM	5.23	<=13	PASS
	Low	64QAM	5.20	<=13	PASS
	Mid	QPSK	4.45	<=13	PASS
	Mid	16QAM	5.40	<=13	PASS
	Mid	64QAM	5.36	<=13	PASS
	High	QPSK	4.43	<=13	PASS
	High	16QAM	5.38	<=13	PASS
	High	64QAM	5.38	<=13	PASS
3	Low	QPSK	4.47	<=13	PASS
	Low	16QAM	5.41	<=13	PASS
	Low	64QAM	5.42	<=13	PASS
	Mid	QPSK	4.71	<=13	PASS
	Mid	16QAM	5.52	<=13	PASS
	Mid	64QAM	5.53	<=13	PASS
	High	QPSK	4.55	<=13	PASS
	High	16QAM	5.54	<=13	PASS
	High	64QAM	5.54	<=13	PASS
5	Low	QPSK	4.74	<=13	PASS
	Low	16QAM	5.72	<=13	PASS
	Low	64QAM	5.72	<=13	PASS
	Mid	QPSK	4.81	<=13	PASS
	Mid	16QAM	5.79	<=13	PASS
	Mid	64QAM	5.79	<=13	PASS
	High	QPSK	4.82	<=13	PASS
	High	16QAM	5.80	<=13	PASS
	High	64QAM	5.79	<=13	PASS
10	Low	QPSK	4.90	<=13	PASS
	Low	16QAM	5.80	<=13	PASS
	Low	64QAM	5.80	<=13	PASS
	Mid	QPSK	4.98	<=13	PASS
	Mid	16QAM	5.83	<=13	PASS
	Mid	64QAM	5.84	<=13	PASS
	High	QPSK	4.94	<=13	PASS
	High	16QAM	5.84	<=13	PASS
	High	64QAM	5.84	<=13	PASS



15	Low	QPSK	4.67	<=13	PASS
	Low	16QAM	5.65	<=13	PASS
	Low	64QAM	5.65	<=13	PASS
	Mid	QPSK	4.84	<=13	PASS
	Mid	16QAM	5.66	<=13	PASS
	Mid	64QAM	5.68	<=13	PASS
	High	QPSK	4.89	<=13	PASS
	High	16QAM	5.66	<=13	PASS
	High	64QAM	5.65	<=13	PASS
20	Low	QPSK	4.89	<=13	PASS
	Low	16QAM	5.75	<=13	PASS
	Low	64QAM	5.77	<=13	PASS
	Mid	QPSK	4.85	<=13	PASS
	Mid	16QAM	5.79	<=13	PASS
	Mid	64QAM	5.80	<=13	PASS
	High	QPSK	4.83	<=13	PASS
	High	16QAM	5.78	<=13	PASS
	High	64QAM	5.77	<=13	PASS



Band2 / 1.4MHz / Low CH / QPSK



Band2 / 1.4MHz / Low CH / 16QAM



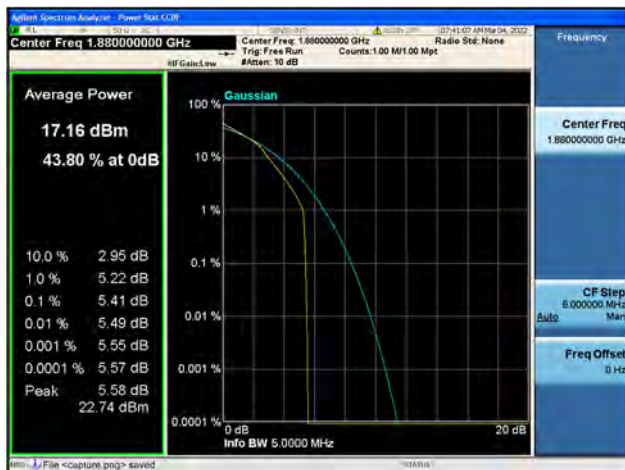
Band2 / 1.4MHz / Low CH / 64QAM



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



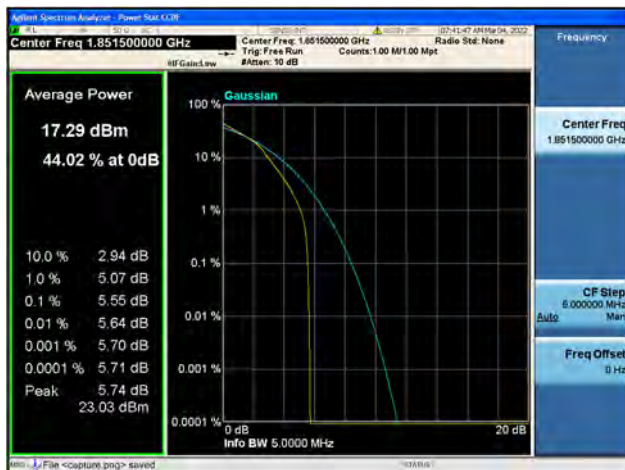
Band2 / 1.4MHz / High CH / 64QAM



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



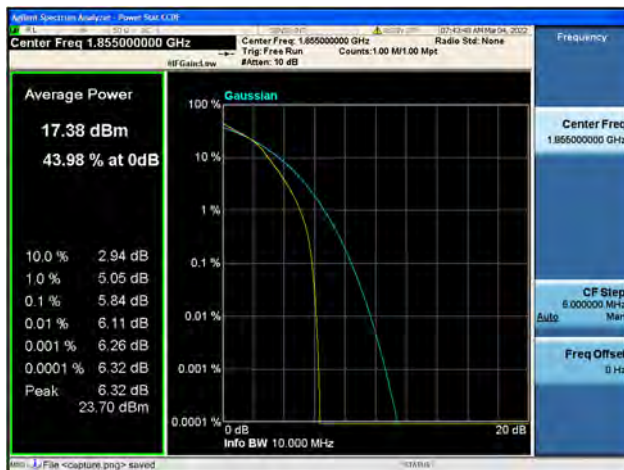
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM



Band2 / 10MHz / Low CH / 64QAM

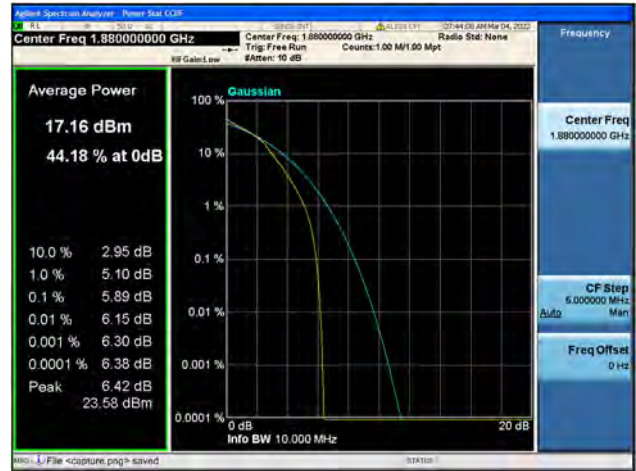




Band2 / 10MHz / Mid CH / QPSK



Band2 / 10MHz / Mid CH / 16QAM



Band2 / 10MHz / Mid CH / 64QAM



Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

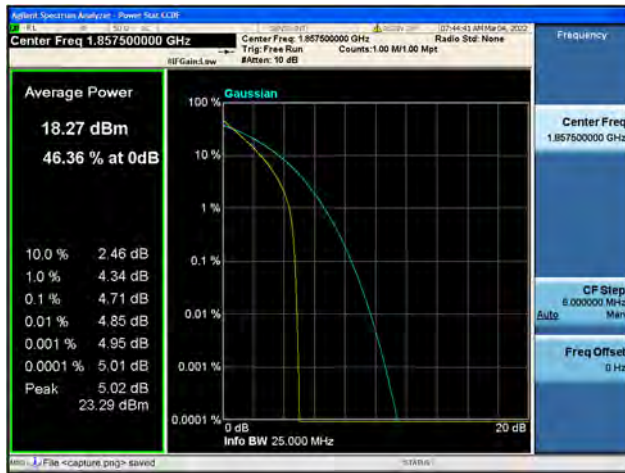


Band2 / 10MHz / High CH / 64QAM





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

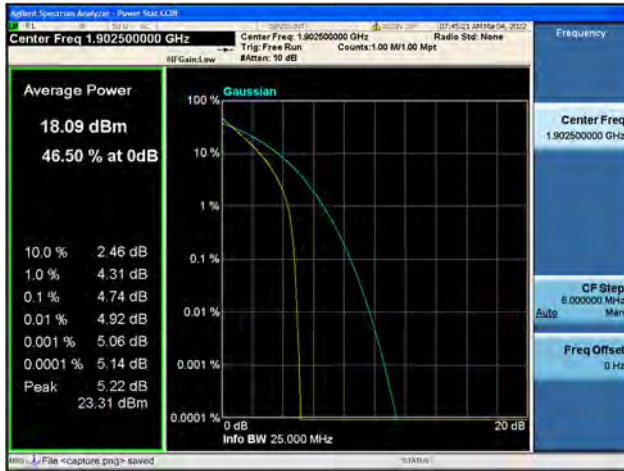


Band2 / 15MHz / Mid CH / 64QAM





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

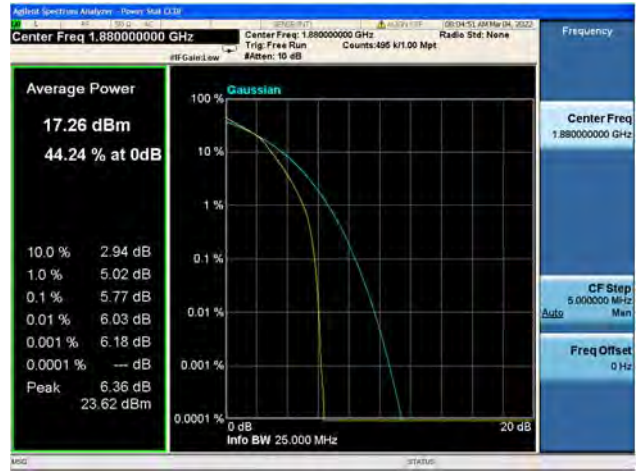




Band2 / 20MHz / Mid CH / QPSK



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



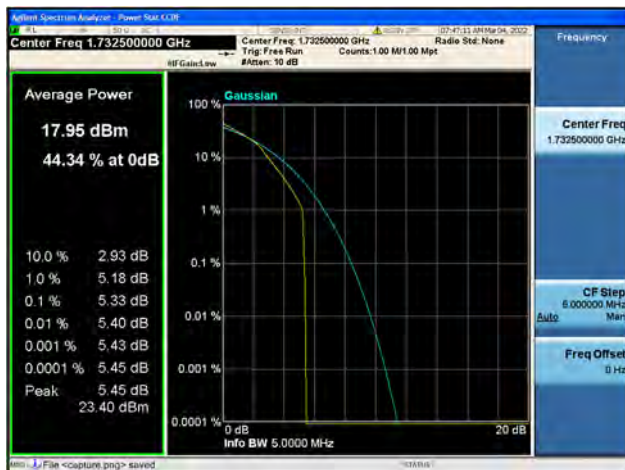
Band4 / 1.4MHz / Low CH / 64QAM



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



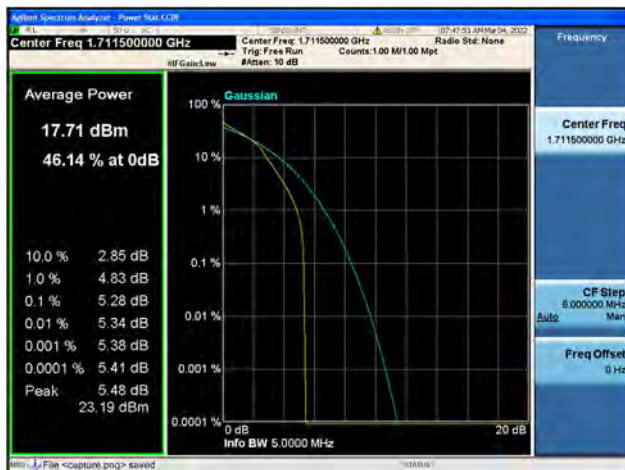
Band4 / 1.4MHz / High CH / 64QAM



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

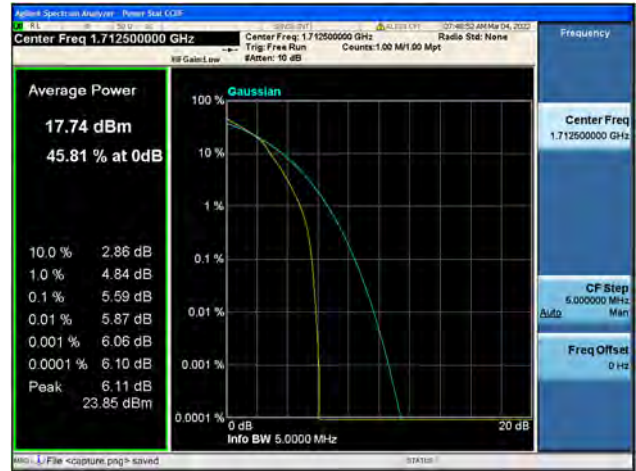




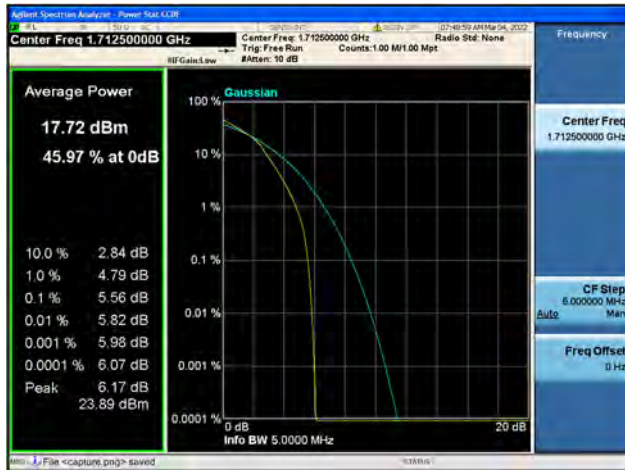
Band4 / 5MHz / Low CH / QPSK



Band4 / 5MHz / Low CH / 16QAM



Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM

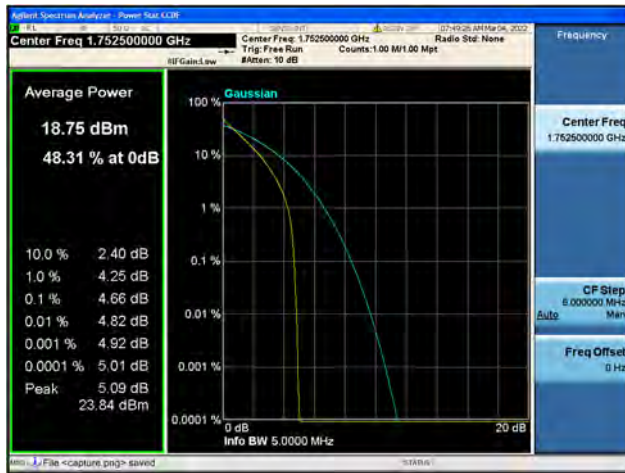


Band4 / 5MHz / Mid CH / 64QAM

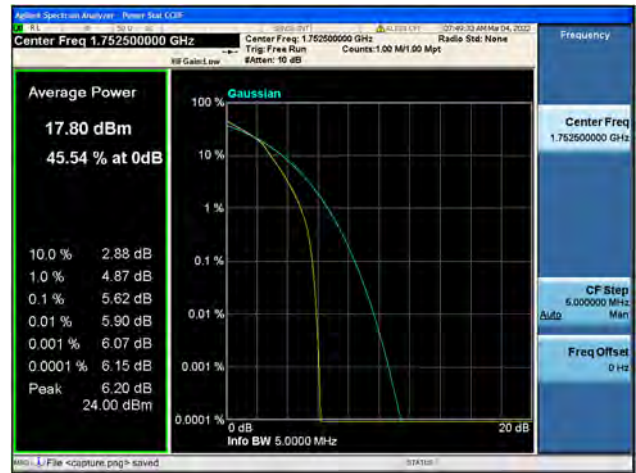




Band4 / 5MHz / High CH / QPSK



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





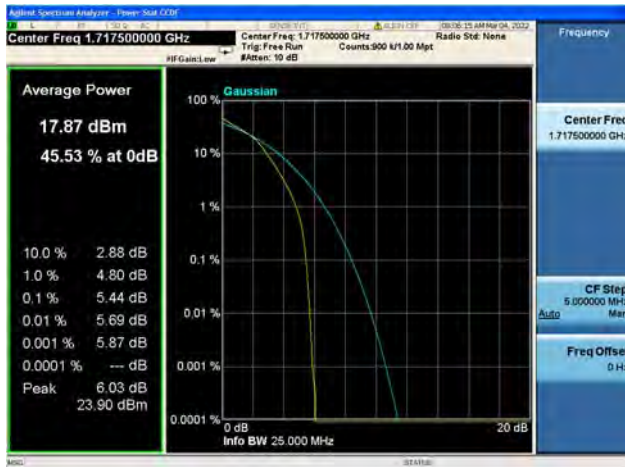
Band4 / 15MHz / Low CH / QPSK



Band4 / 15MHz / Low CH / 16QAM



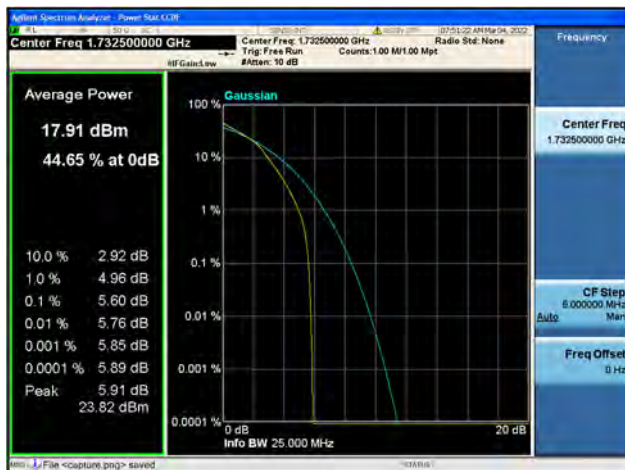
Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM



Band4 / 15MHz / Mid CH / 64QAM

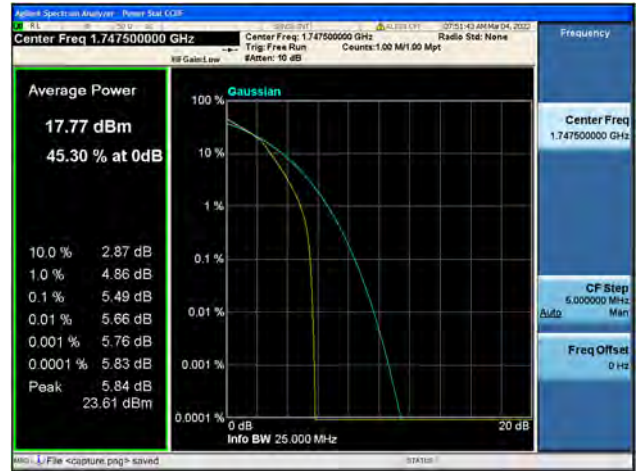




Band4 / 15MHz / High CH / QPSK



Band4 / 15MHz / High CH / 16QAM



Band4 / 15MHz / High CH / 64QAM



Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

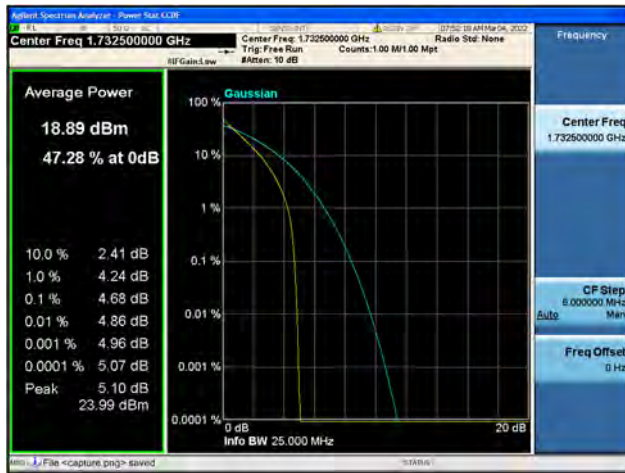


Band4 / 20MHz / Low CH / 64QAM





Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



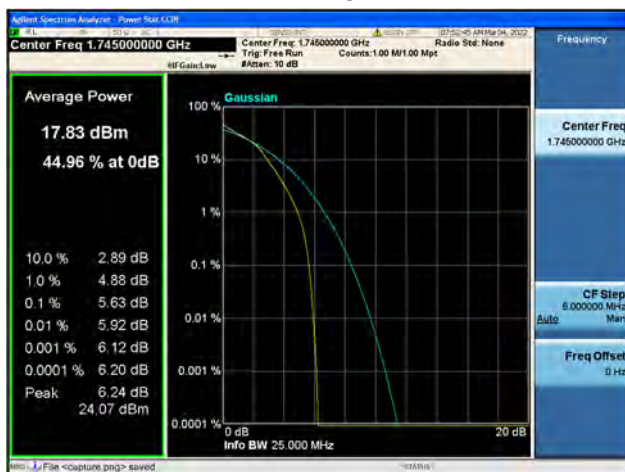
Band4 / 20MHz / Mid CH / 64QAM



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

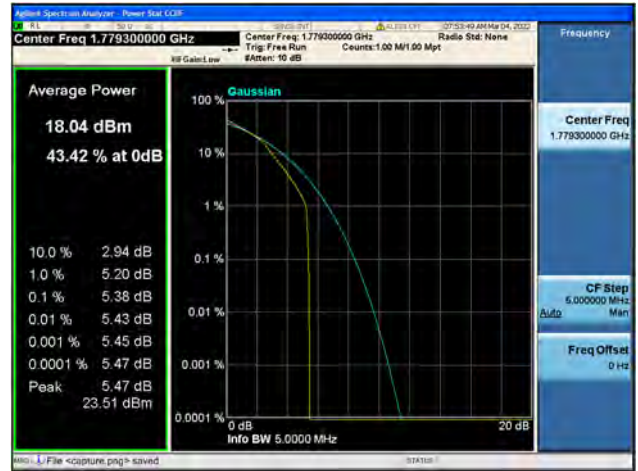




Band66 / 1.4MHz / High CH / QPSK



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

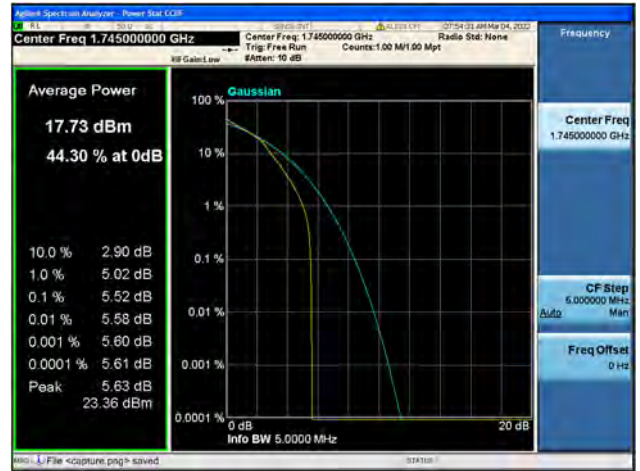




Band66 / 3MHz / Mid CH / QPSK



Band66 / 3MHz / Mid CH / 16QAM



Band66 / 3MHz / Mid CH / 64QAM



Band66 / 3MHz / High CH / QPSK



Band66 / 3MHz / High CH / 16QAM

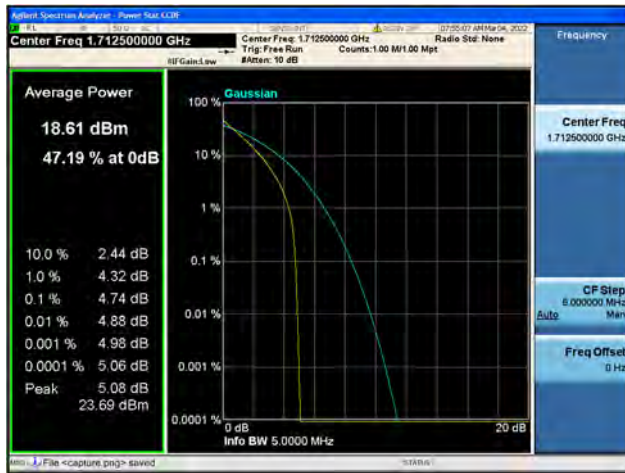


Band66 / 3MHz / High CH / 64QAM





Band66 / 5MHz / Low CH / QPSK



Band66 / 5MHz / Low CH / 16QAM



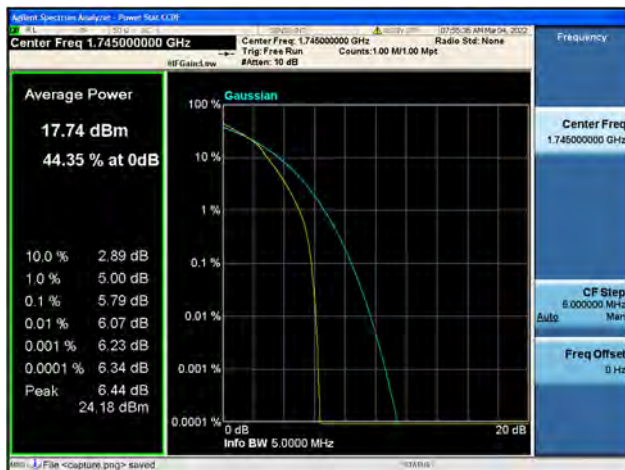
Band66 / 5MHz / Low CH / 64QAM



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

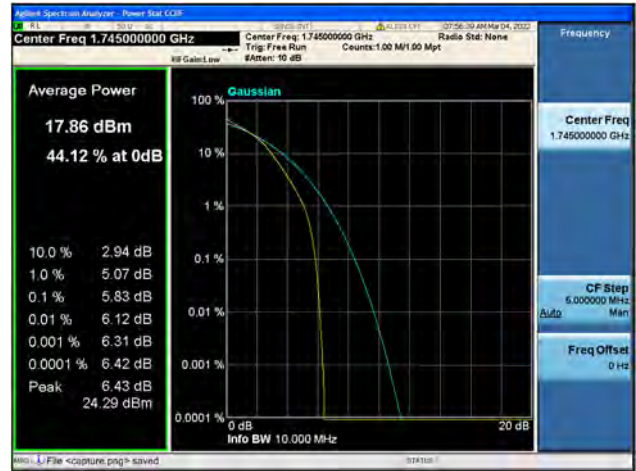




Band66 / 10MHz / Mid CH / QPSK



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

