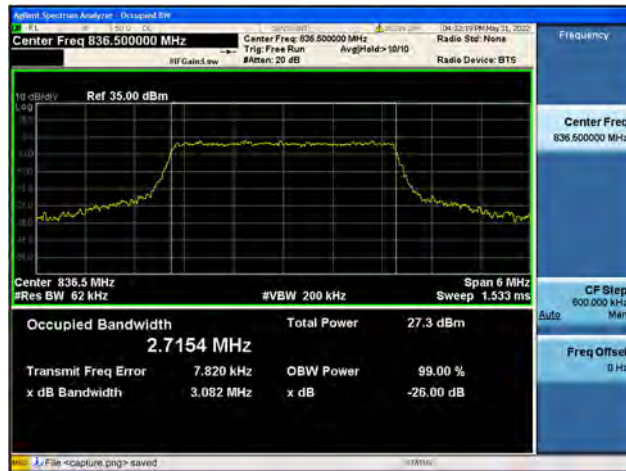
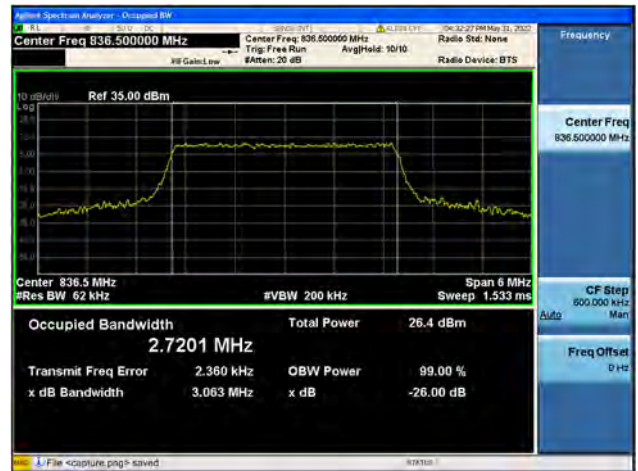




Band26 / 3MHz / Mid CH / QPSK



Band26 / 3MHz / Mid CH / 16QAM



Band26 / 3MHz / Mid CH / 64QAM



Band26 / 3MHz / High CH / QPSK



Band26 / 3MHz / High CH / 16QAM

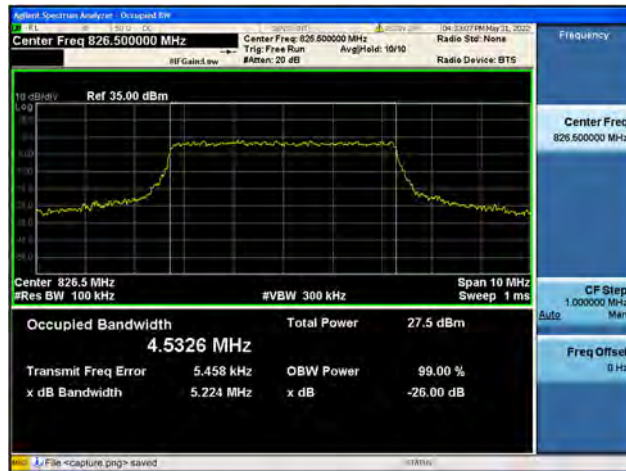


Band26 / 3MHz / High CH / 64QAM





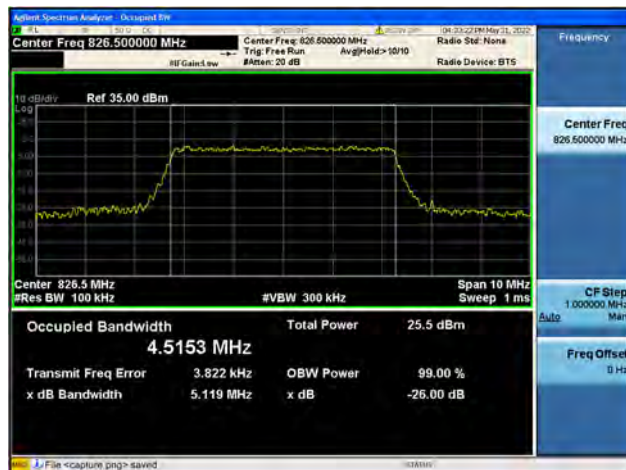
Band26 / 5MHz / Low CH / QPSK



Band26 / 5MHz / Low CH / 16QAM



Band26 / 5MHz / Low CH / 64QAM



Band26 / 5MHz / Mid CH / QPSK



Band26 / 5MHz / Mid CH / 16QAM

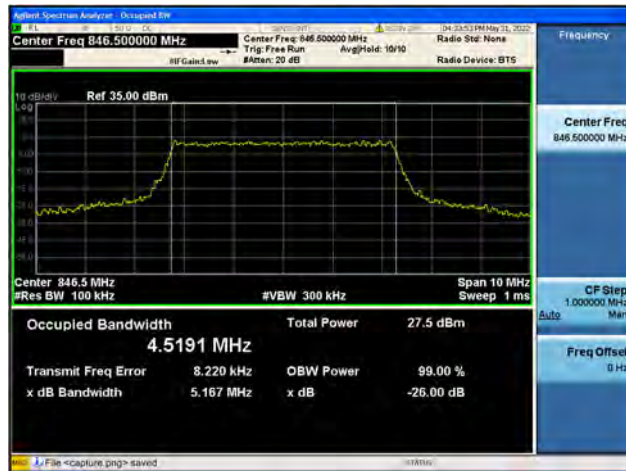


Band26 / 5MHz / Mid CH / 64QAM





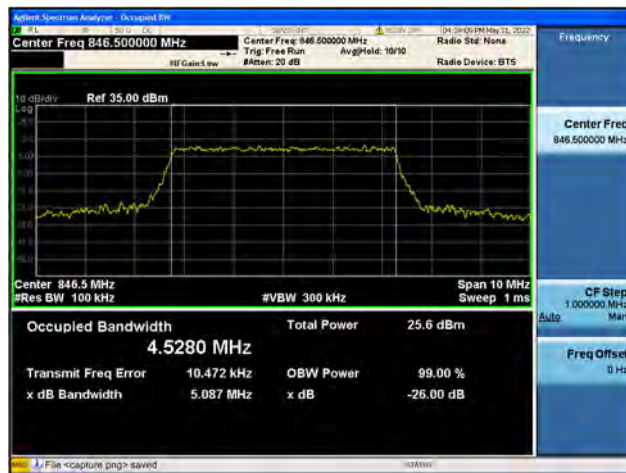
Band26 / 5MHz / High CH / QPSK



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

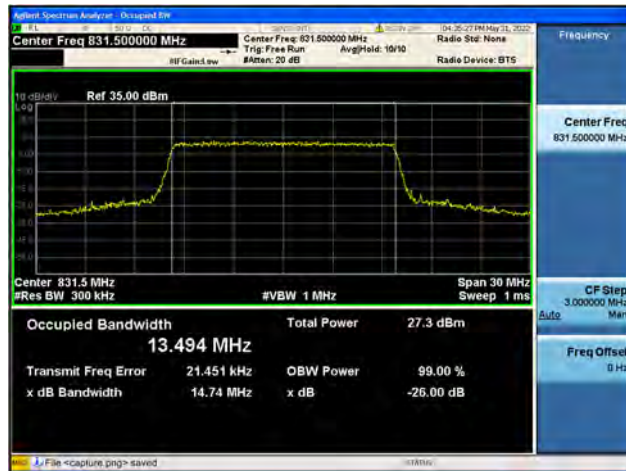


Band26 / 10MHz / High CH / 64QAM





Band26 / 15MHz / Low CH / QPSK



Band26 / 15MHz / Low CH / 16QAM



Band26 / 15MHz / Low CH / 64QAM



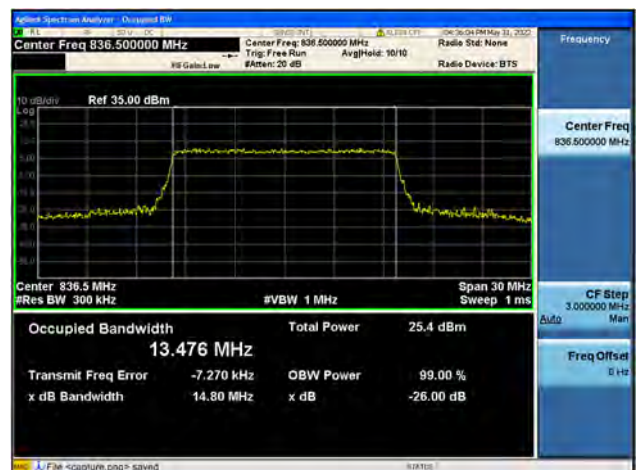
Band26 / 15MHz / Mid CH / QPSK



Band26 / 15MHz / Mid CH / 16QAM

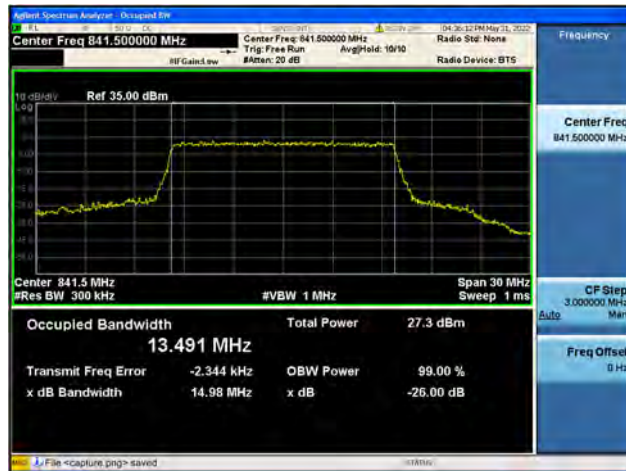


Band26 / 15MHz / Mid CH / 64QAM

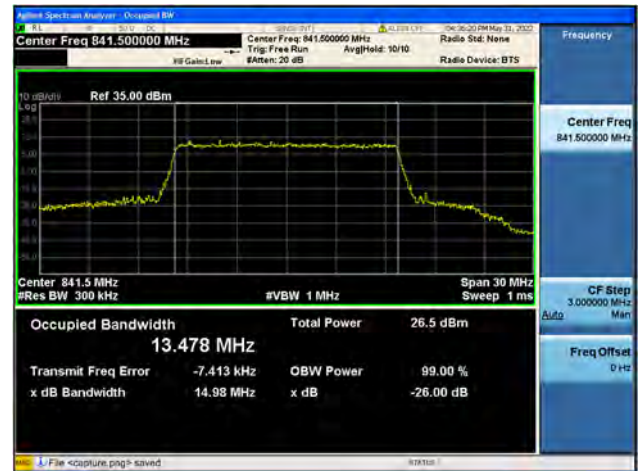




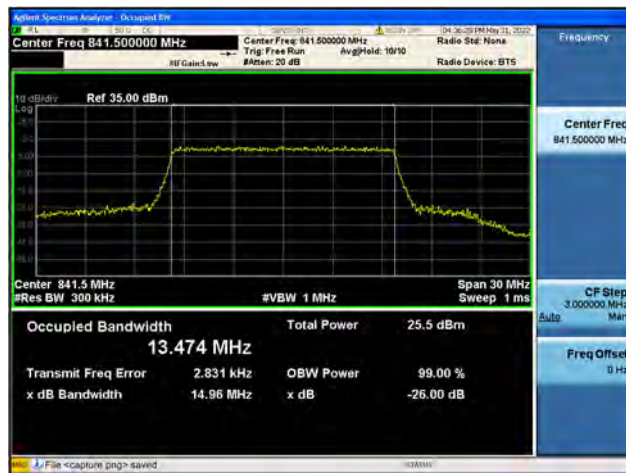
Band26 / 15MHz / High CH / QPSK



Band26 / 15MHz / High CH / 16QAM

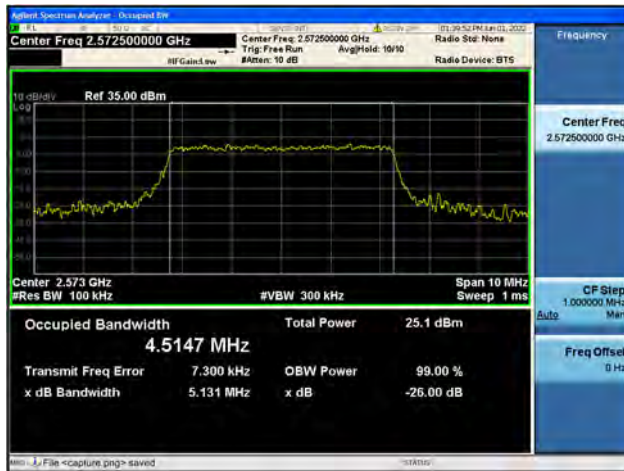


Band26 / 15MHz / High CH / 64QAM

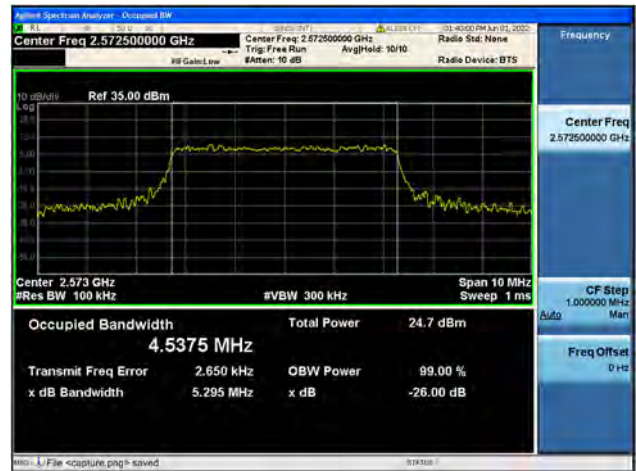




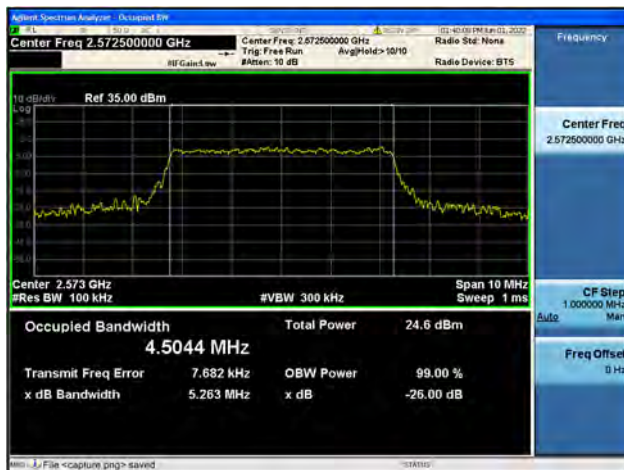
B38 / 5MHz / QPSK/ Low CH



B38 / 5MHz / 16QAM/ Low CH



B38 / 5MHz / 64QAM/ Low CH



B38 / 5MHz / QPSK/ Mid CH



B38 / 5MHz / 16QAM/ Mid CH

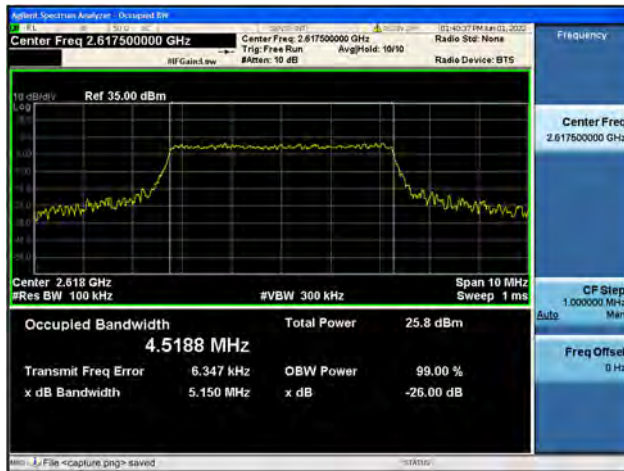


B38 / 5MHz / 64QAM/ Mid CH

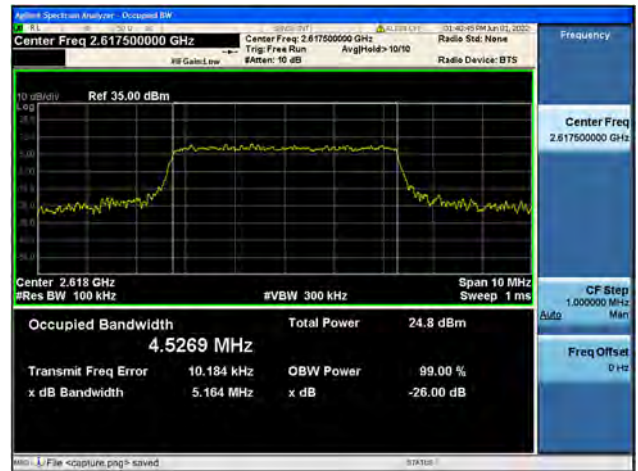




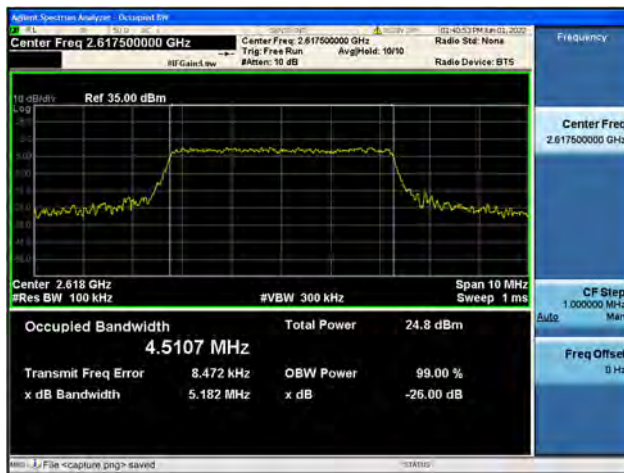
B38 / 5MHz / QPSK/ High CH



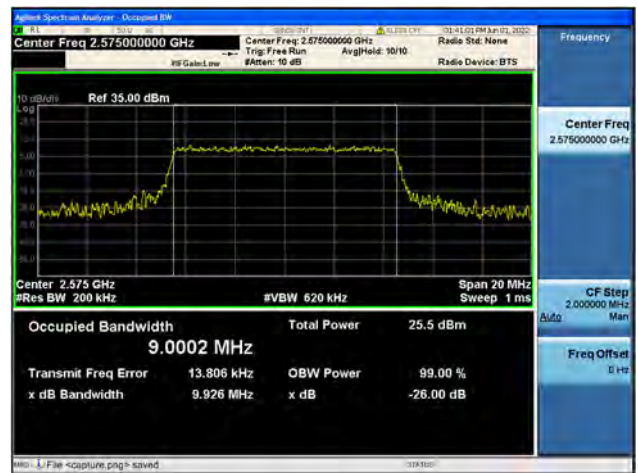
B38 / 5MHz / 16QAM/ High CH



B38 / 5MHz / 64QAM/ High CH



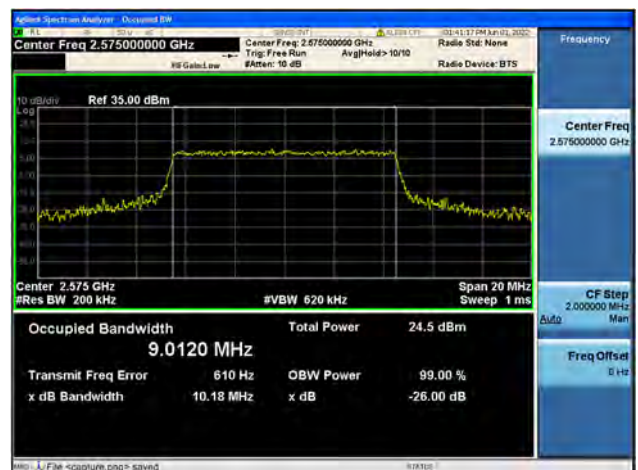
B38 / 10MHz / QPSK/ Low CH



B38 / 10MHz / 16QAM/ Low CH

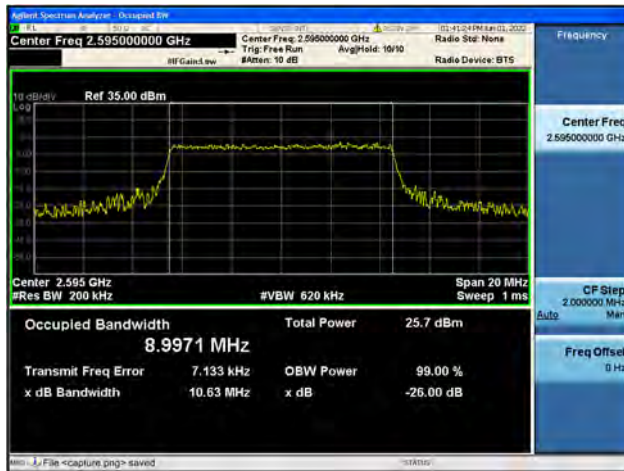


B38 / 10MHz / 64QAM/ Low CH





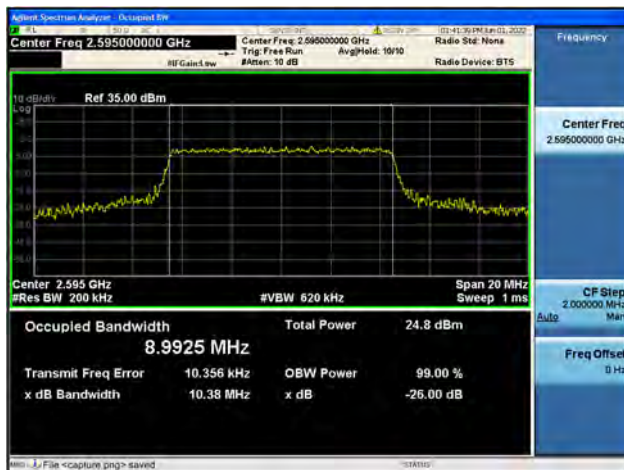
B38 / 10MHz / QPSK/ Mid CH



B38 / 10MHz / 16QAM/ Mid CH



B38 / 10MHz / 64QAM/ Mid CH



B38 / 10MHz / QPSK/ High CH



B38 / 10MHz / 16QAM/ High CH

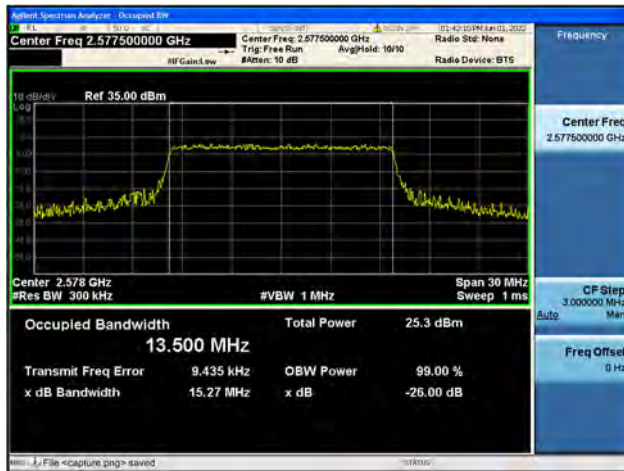


B38 / 10MHz / 64QAM/ High CH





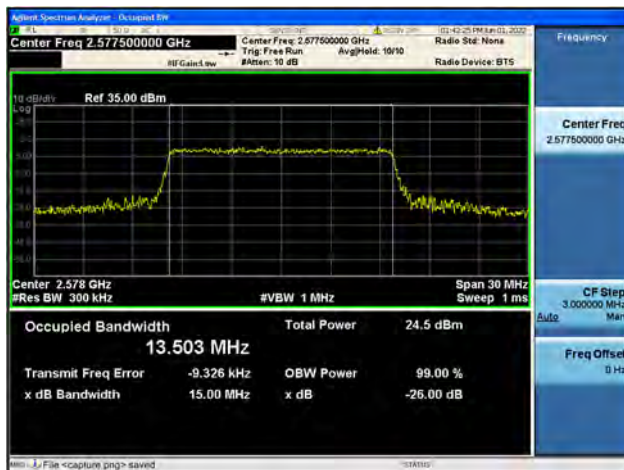
B38 / 15MHz / QPSK/ Low CH



B38 / 15MHz / 16QAM/ Low CH



B38 / 15MHz / 64QAM/ Low CH



B38 / 15MHz / QPSK/ Mid CH



B38 / 15MHz / 16QAM/ Mid CH

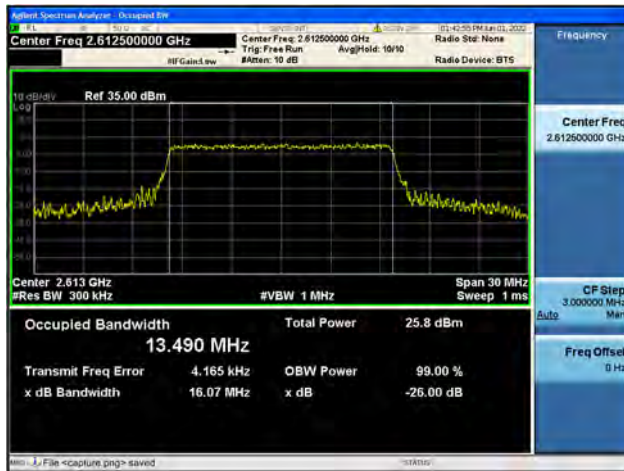


B38 / 15MHz / 64QAM/ Mid CH

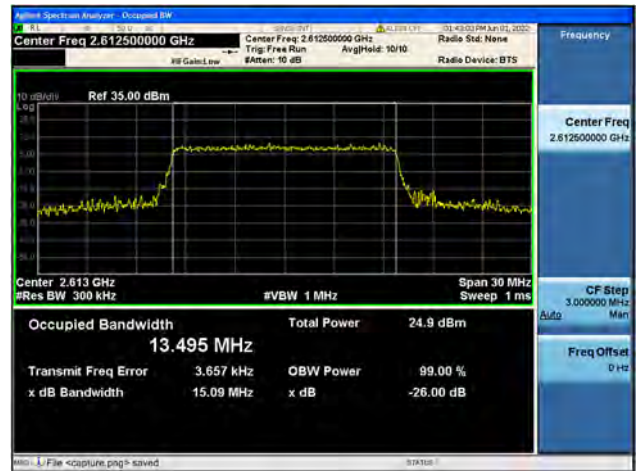




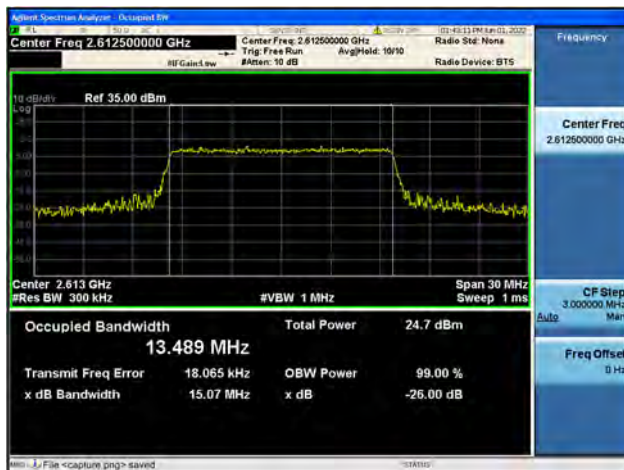
B38 / 15MHz / QPSK/ High CH



B38 / 15MHz / 16QAM/ High CH



B38 / 15MHz / 64QAM/ High CH



B38 / 20MHz / QPSK/ Low CH



B38 / 20MHz / 16QAM/ Low CH

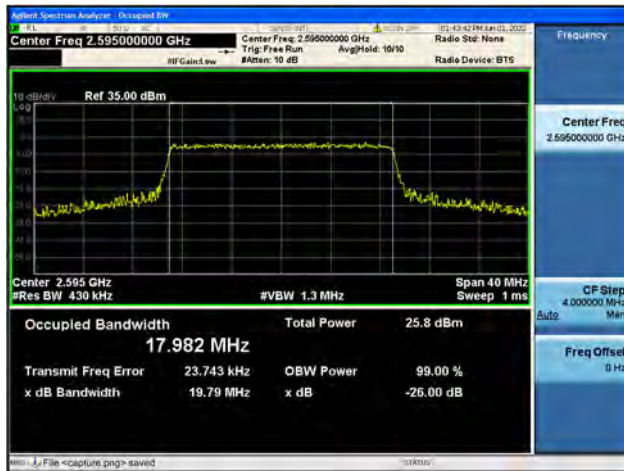


B38 / 20MHz / 64QAM/ Low CH





B38 / 20MHz / QPSK/ Mid CH



B38 / 20MHz / 16QAM/ Mid CH



B38 / 20MHz / 64QAM/ Mid CH



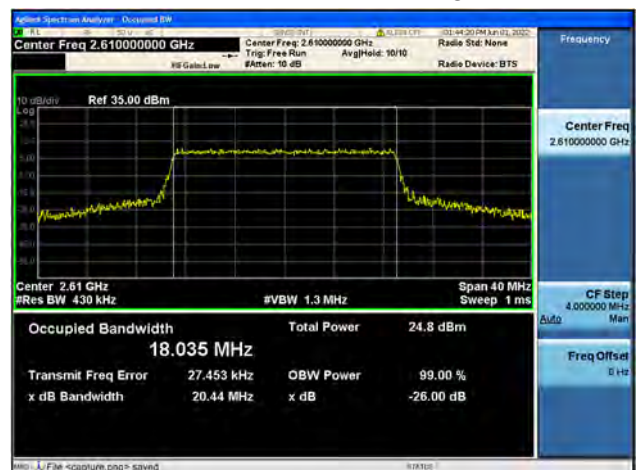
B38 / 20MHz / QPSK/ High CH



B38 / 20MHz / 16QAM/ High CH

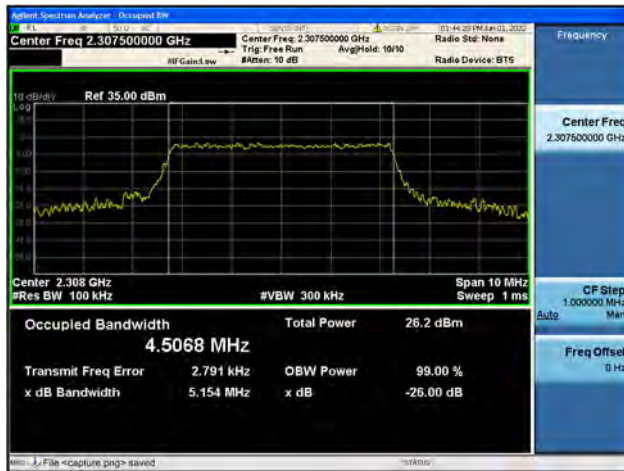


B38 / 20MHz / 64QAM/ High CH

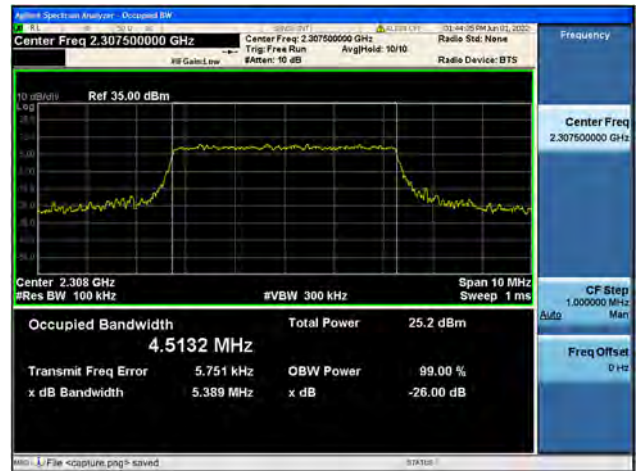




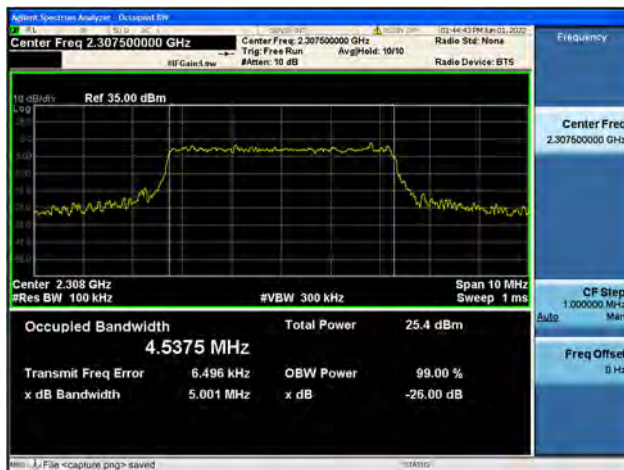
B40A / 5MHz / QPSK/ Low CH



B40A / 5MHz / 16QAM/ Low CH



B40A / 5MHz / 64QAM/ Low CH



B40A / 5MHz / QPSK/ Mid CH



B40A / 5MHz / 16QAM/ Mid CH

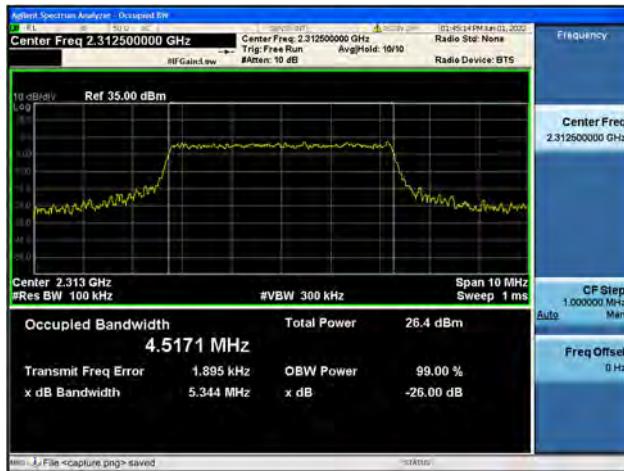


B40A / 5MHz / 64QAM/ Mid CH

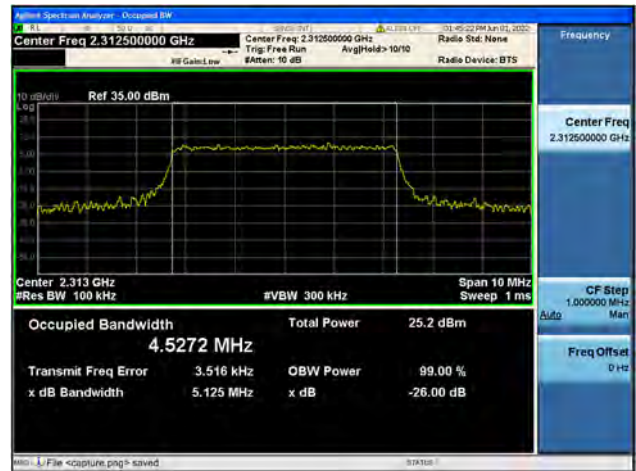




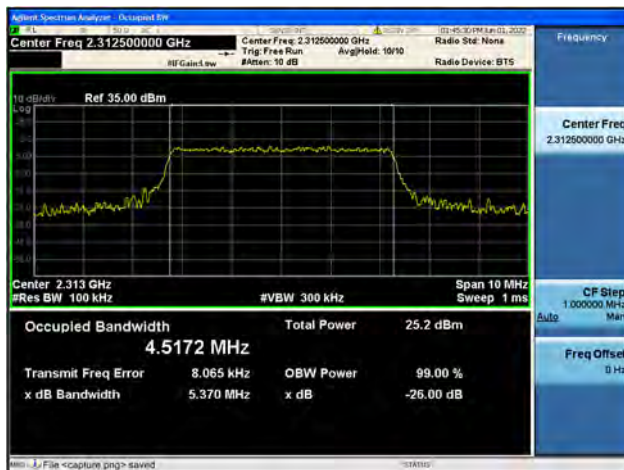
B40A / 5MHz / QPSK/ High CH



B40A / 5MHz / 16QAM/ High CH



B40A / 5MHz / 64QAM/ High CH



B40A / 10MHz / QPSK/ Mid CH



B40A / 10MHz / 16QAM/ Mid CH

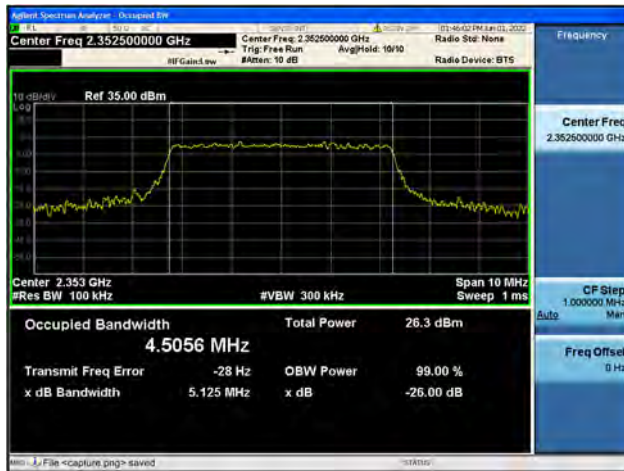


B40A / 10MHz / 64QAM/ Mid CH

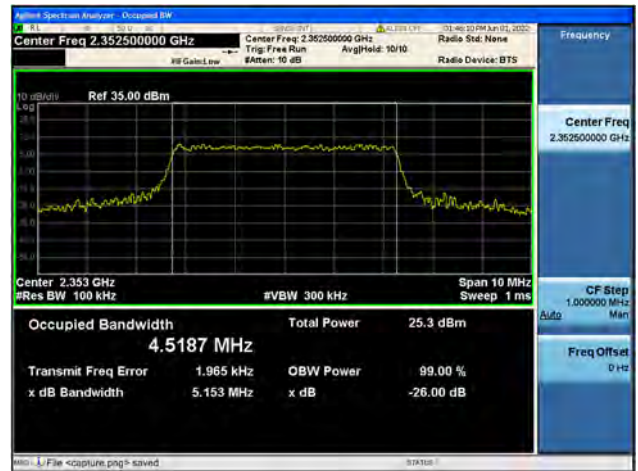




B40B / 5MHz / QPSK/ Low CH



B40B / 5MHz / 16QAM/ Low CH



B40B / 5MHz / 64QAM/ Low CH



B40B / 5MHz / QPSK/ Mid CH



B40B / 5MHz / 16QAM/ Mid CH



B40B / 5MHz / 64QAM/ Mid CH





B40B / 5MHz / QPSK/ High CH



B40B / 5MHz / 16QAM/ High CH



B40B / 5MHz / 64QAM/ High CH



B40B / 10MHz / QPSK/ Mid CH



B40B / 10MHz / 16QAM/ Mid CH

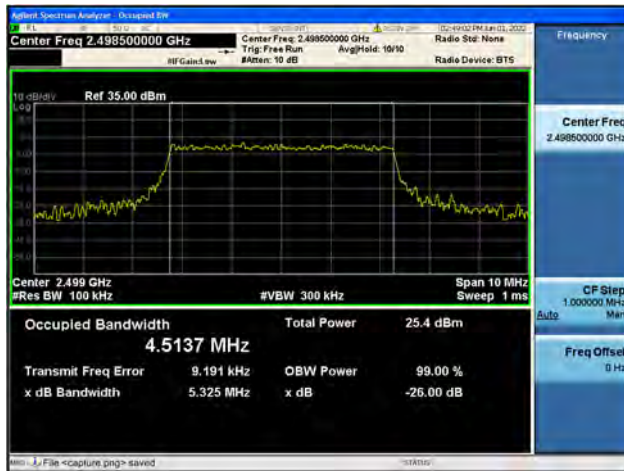


B40B / 10MHz / 64QAM/ Mid CH

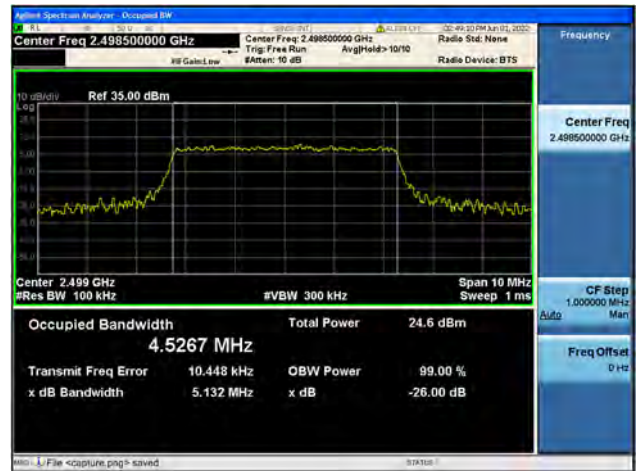




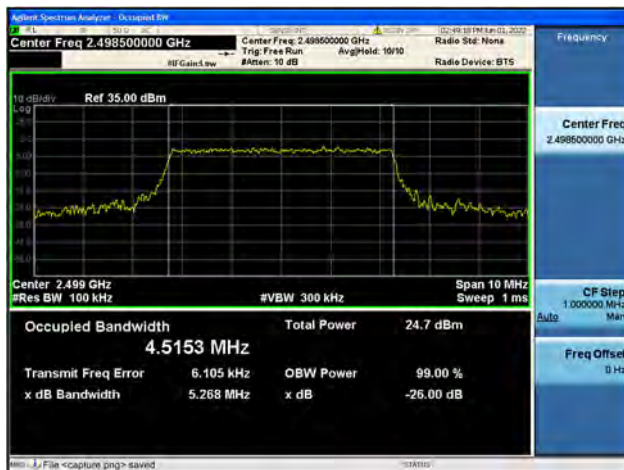
B41 / 5MHz / QPSK/ Low CH



B41 / 5MHz / 16QAM/ Low CH



B41 / 5MHz / 64QAM/ Low CH



B41 / 5MHz / QPSK/ Mid CH



B41 / 5MHz / 16QAM/ Mid CH

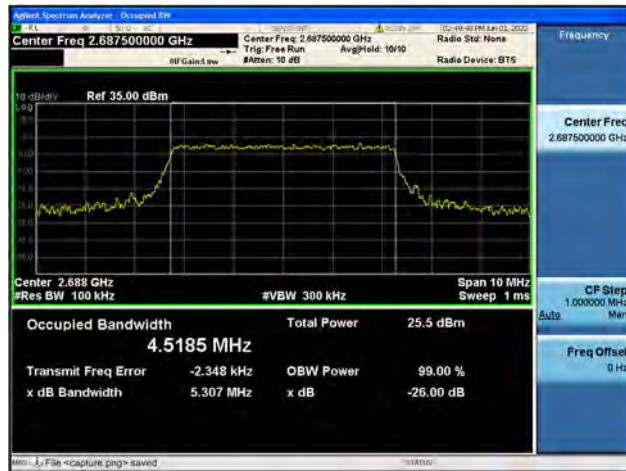


B41 / 5MHz / 64QAM/ Mid CH





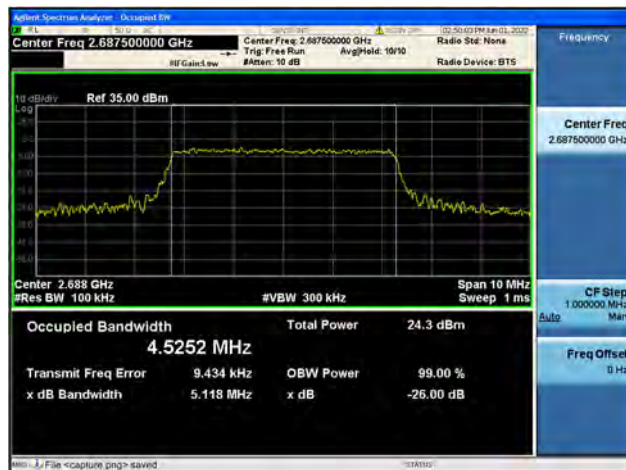
B41 / 5MHz / QPSK/ High CH



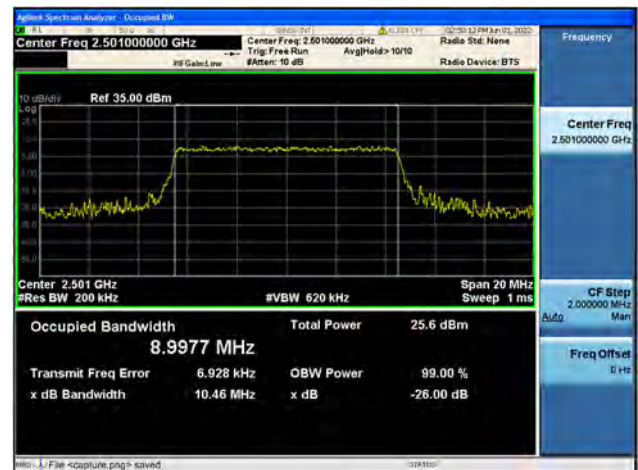
B41 / 5MHz / 16QAM/ High CH



B41 / 5MHz / 64QAM/ High CH



B41 / 10MHz / QPSK/ Low CH



B41 / 10MHz / 16QAM/ Low CH

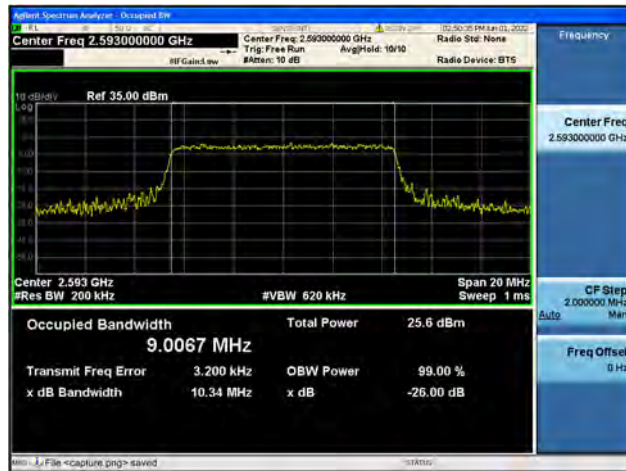


B41 / 10MHz / 64QAM/ Low CH

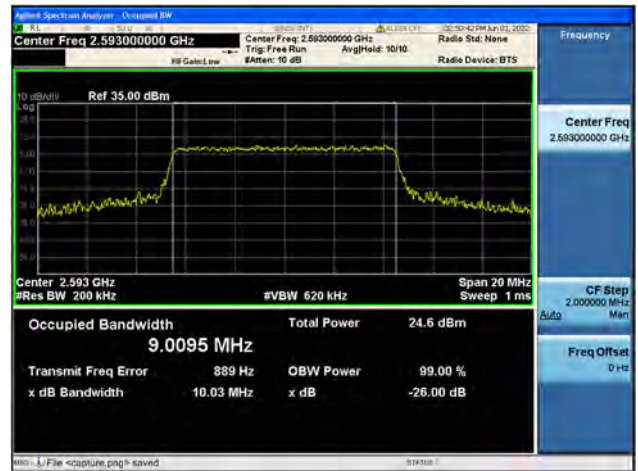




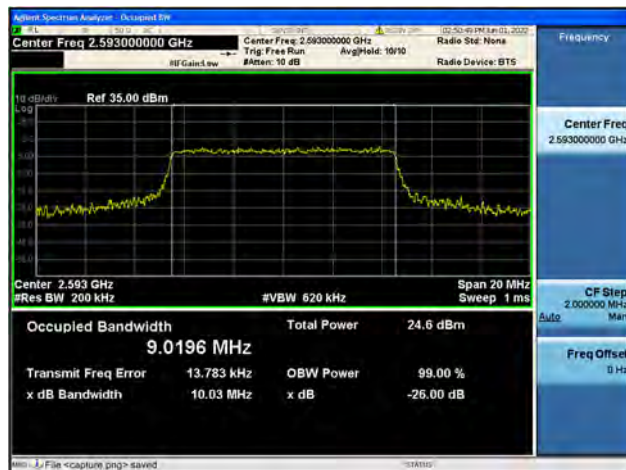
B41 / 10MHz / QPSK/ Mid CH



B41 / 10MHz / 16QAM/ Mid CH



B41 / 10MHz / 64QAM/ Mid CH



B41 / 10MHz / QPSK/ High CH



B41 / 10MHz / 16QAM/ High CH

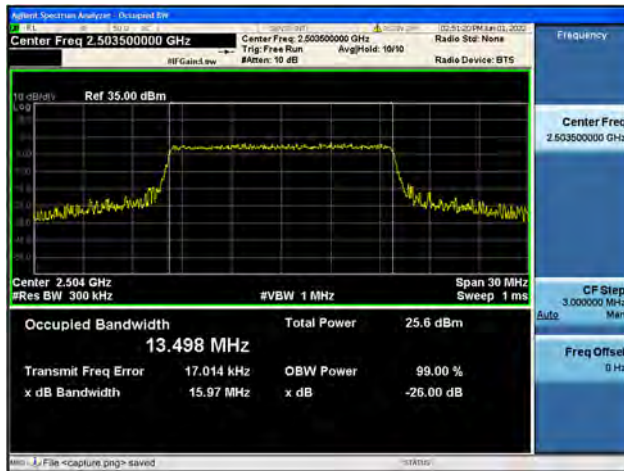


B41 / 10MHz / 64QAM/ High CH

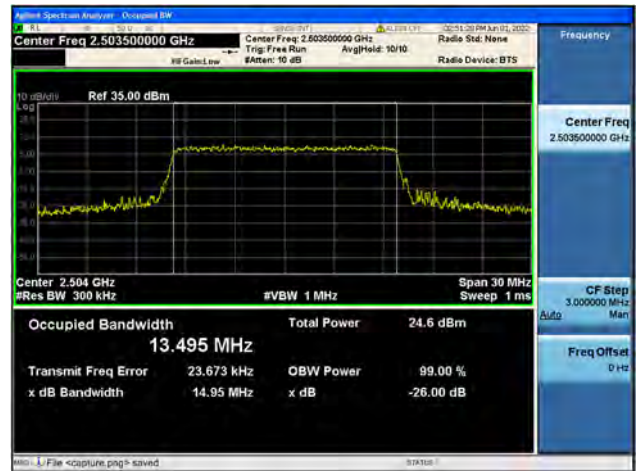




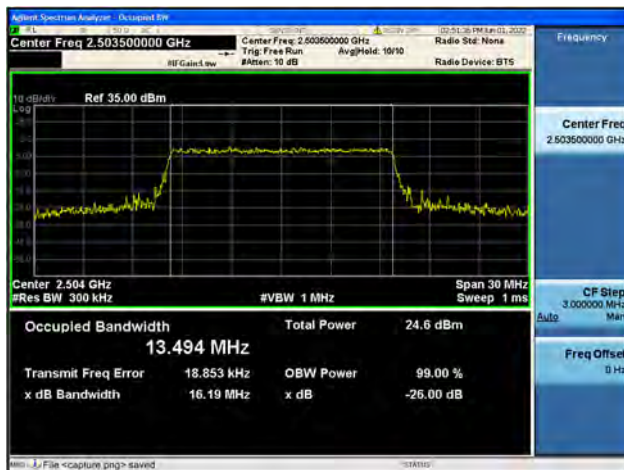
B41 / 15MHz / QPSK/ Low CH



B41 / 15MHz / 16QAM/ Low CH



B41 / 15MHz / 64QAM/ Low CH



B41 / 15MHz / QPSK/ Mid CH



B41 / 15MHz / 16QAM/ Mid CH



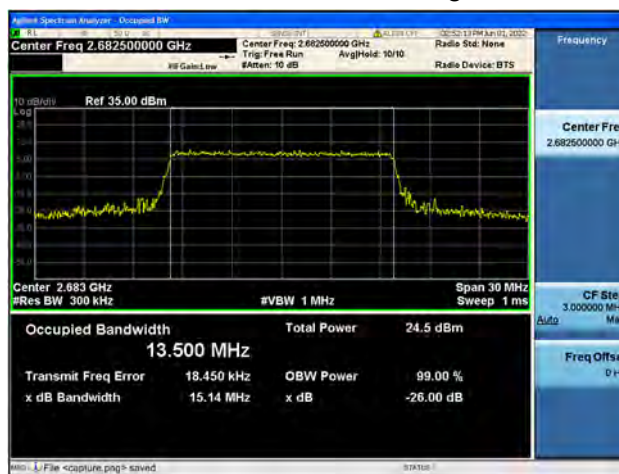
B41 / 15MHz / 64QAM/ Mid CH



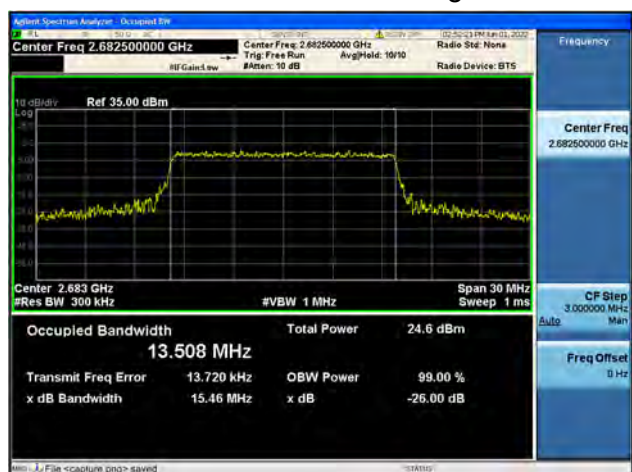
B41 / 15MHz / QPSK/ High CH



B41 / 15MHz / 16QAM/ High CH



B41 / 15MHz / 64QAM/ High CH



B41 / 20MHz / QPSK/ Low CH



B41 / 20MHz / 16QAM/ Low CH



B41 / 20MHz / 64QAM/ Low CH

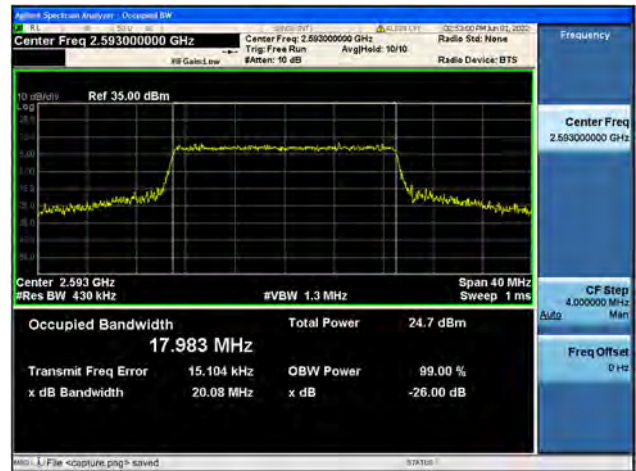




B41 / 20MHz / QPSK/ Mid CH



B41 / 20MHz / 16QAM/ Mid CH



B41 / 20MHz / 64QAM/ Mid CH



B41 / 20MHz / QPSK/ High CH



B41 / 20MHz / 16QAM/ High CH

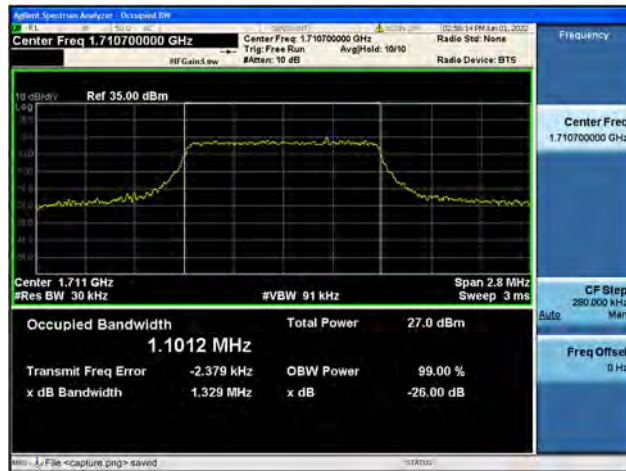


B41 / 20MHz / 64QAM/ High CH

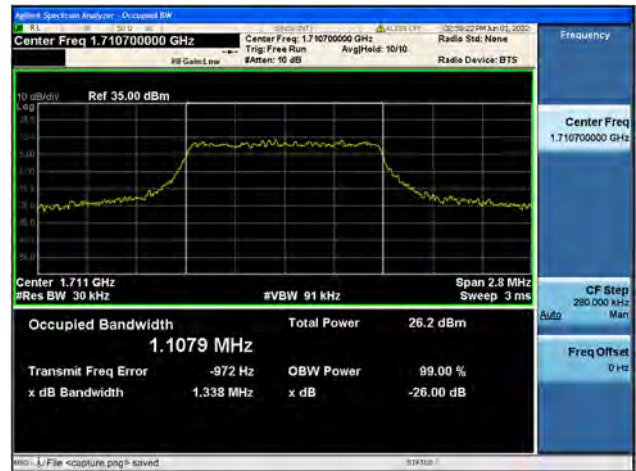




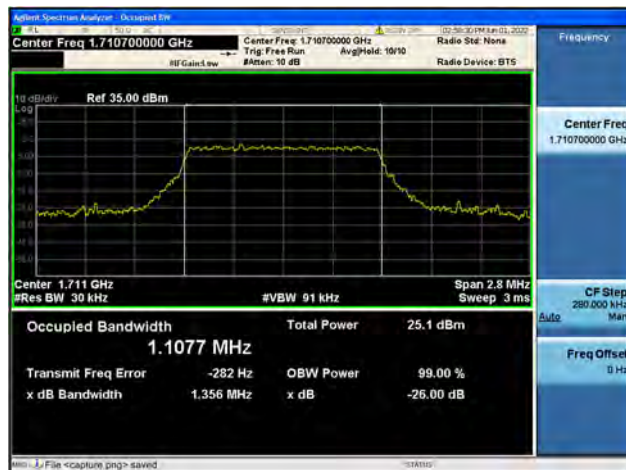
B66 / 1.4MHz / QPSK/ Low CH



B66 / 1.4MHz / 16QAM/ Low CH



B66 / 1.4MHz / 64QAM/ Low CH



B66 / 1.4MHz / QPSK/ Mid CH



B66 / 1.4MHz / 16QAM/ Mid CH

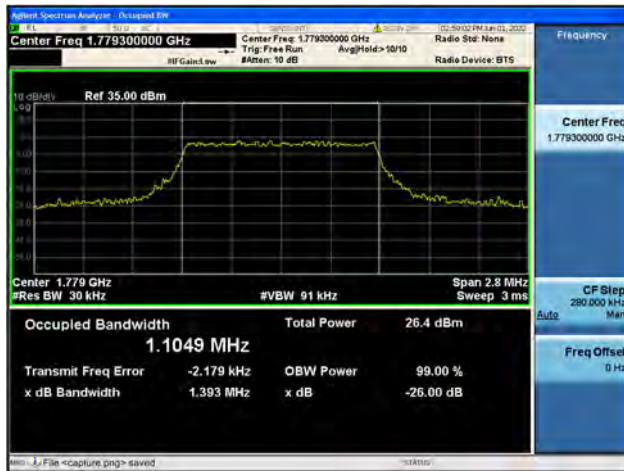


B66 / 1.4MHz / 64QAM/ Mid CH

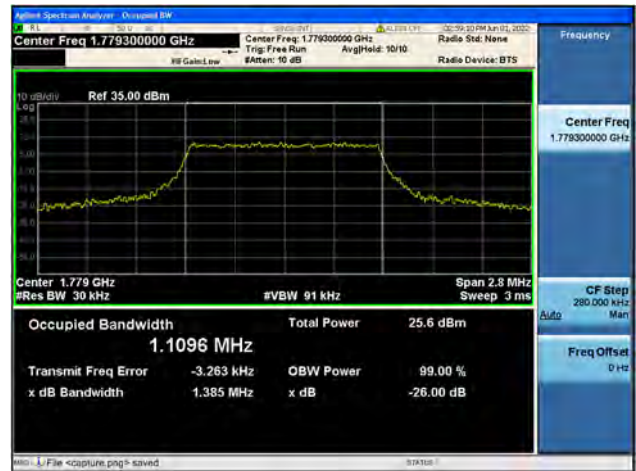




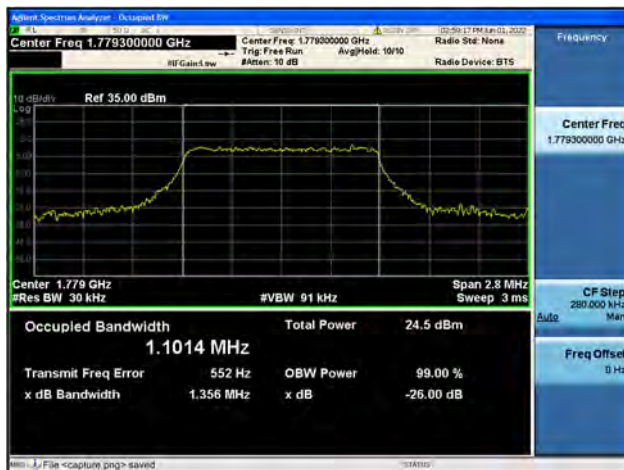
B66 / 1.4MHz / QPSK/ High CH



B66 / 1.4MHz / 16QAM/ High CH



B66 / 1.4MHz / 64QAM/ High CH



B66 / 3MHz / QPSK/ Low CH



B66 / 3MHz / 16QAM/ Low CH

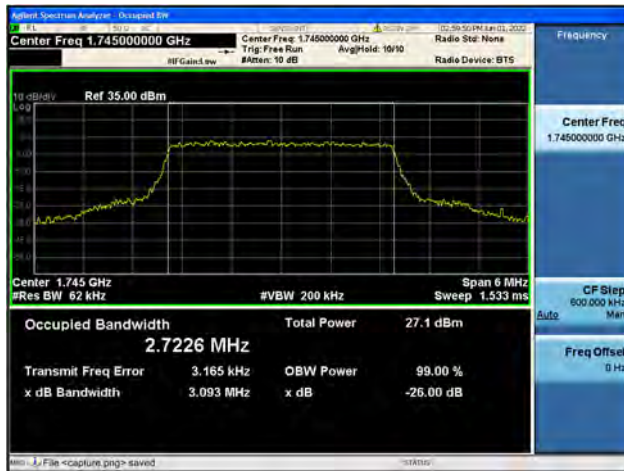


B66 / 3MHz / 64QAM/ Low CH

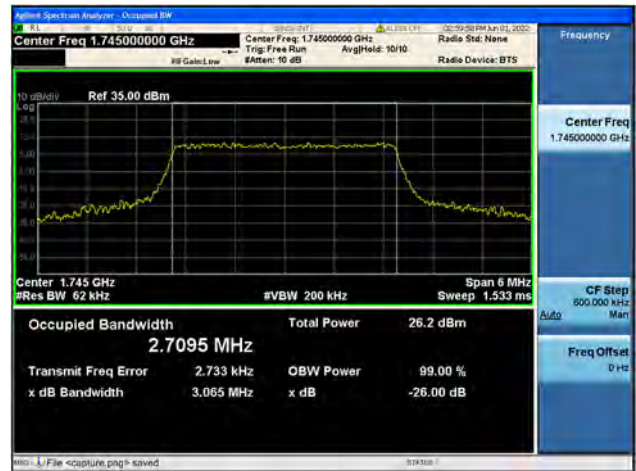




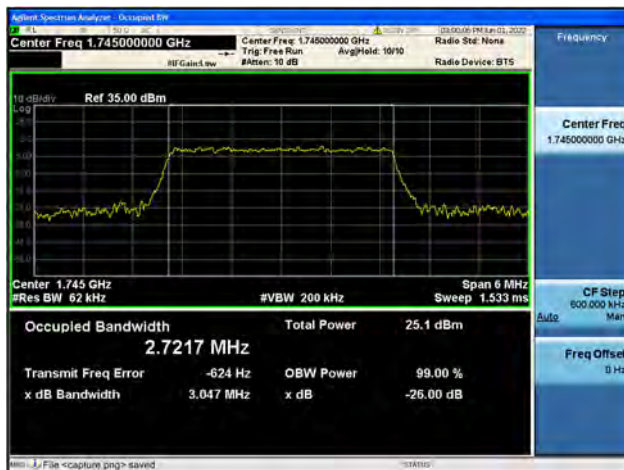
B66 / 3MHz / QPSK/ Mid CH



B66 / 3MHz / 16QAM/ Mid CH



B66 / 3MHz / 64QAM/ Mid CH



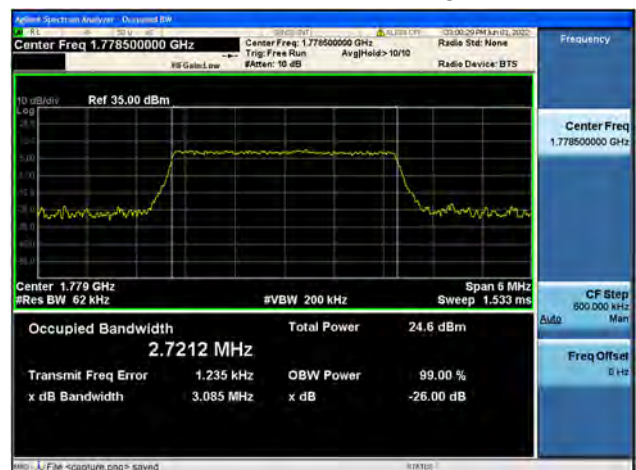
B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



B66 / 3MHz / 64QAM/ High CH





B66 / 5MHz / QPSK/ Low CH



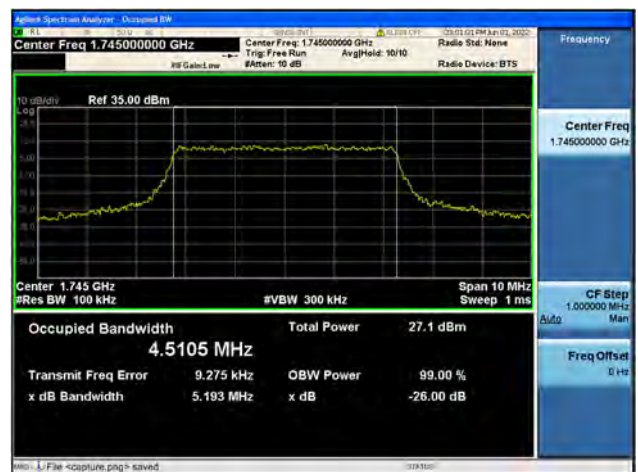
B66 / 5MHz / 16QAM/ Low CH



B66 / 5MHz / 64QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH

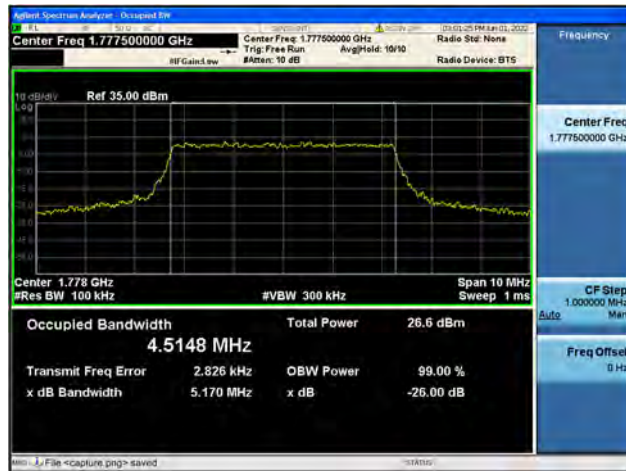


B66 / 5MHz / 64QAM/ Mid CH





B66 / 5MHz / QPSK/ High CH



B66 / 5MHz / 16QAM/ High CH



B66 / 5MHz / 64QAM/ High CH



B66 / 10MHz / QPSK/ Low CH



B66 / 10MHz / 16QAM/ Low CH

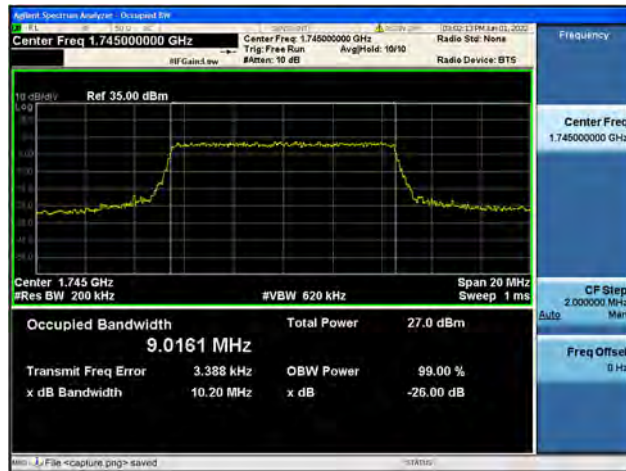


B66 / 10MHz / 64QAM/ Low CH





B66 / 10MHz / QPSK/ Mid CH



B66 / 10MHz / 16QAM/ Mid CH



B66 / 10MHz / 64QAM/ Mid CH



B66 / 10MHz / QPSK/ High CH



B66 / 10MHz / 16QAM/ High CH

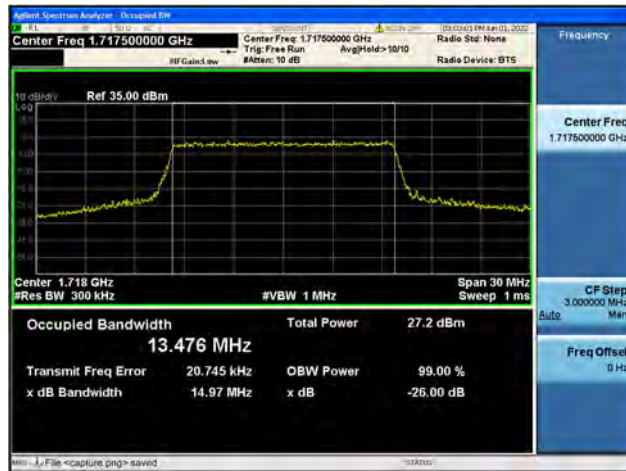


B66 / 10MHz / 64QAM/ High CH

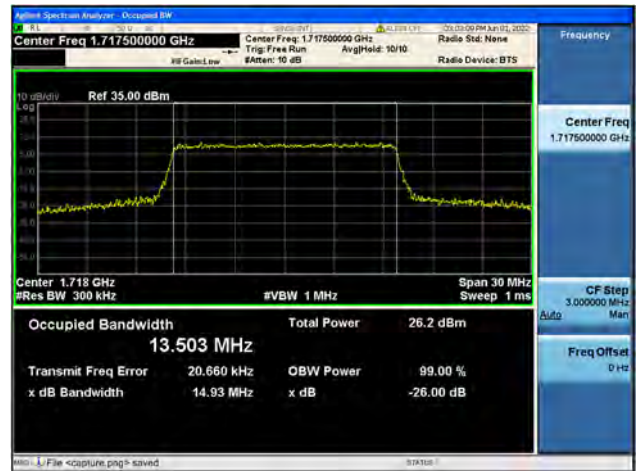




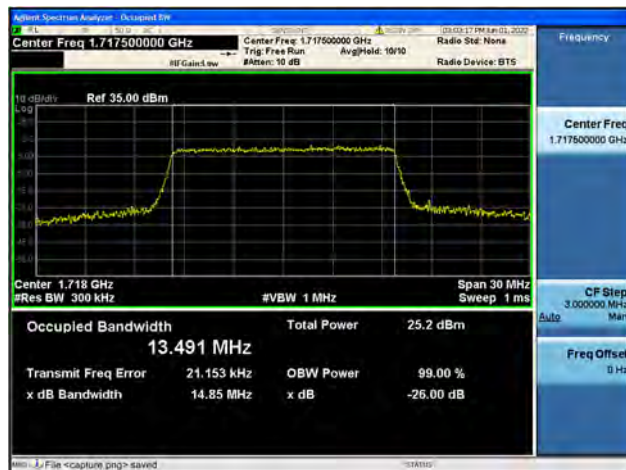
B66 / 15MHz / QPSK/ Low CH



B66 / 15MHz / 16QAM/ Low CH



B66 / 15MHz / 64QAM/ Low CH



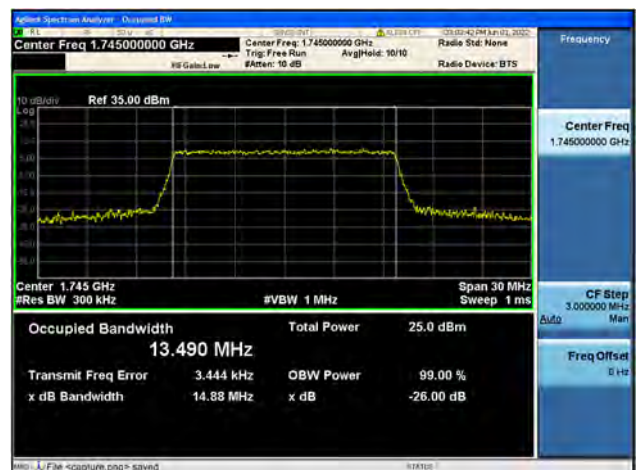
B66 / 15MHz / QPSK/ Mid CH



B66 / 15MHz / 16QAM/ Mid CH

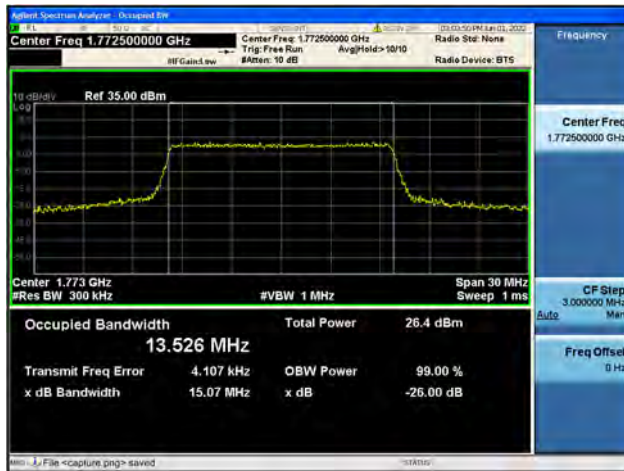


B66 / 15MHz / 64QAM/ Mid CH





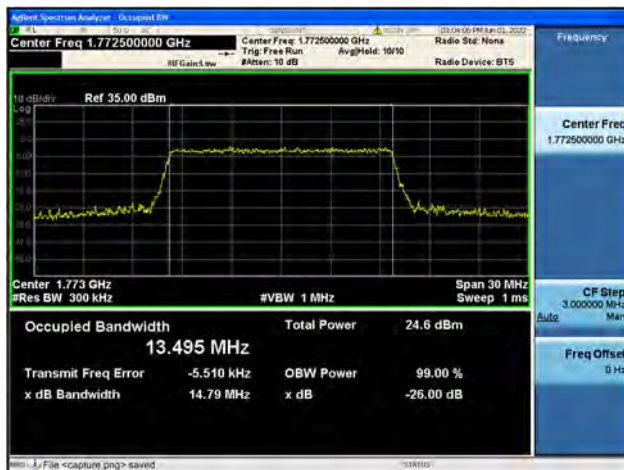
B66 / 15MHz / QPSK/ High CH



B66 / 15MHz / 16QAM/ High CH



B66 / 15MHz / 64QAM/ High CH



B66 / 20MHz / QPSK/ Low CH



B66 / 20MHz / 16QAM/ Low CH

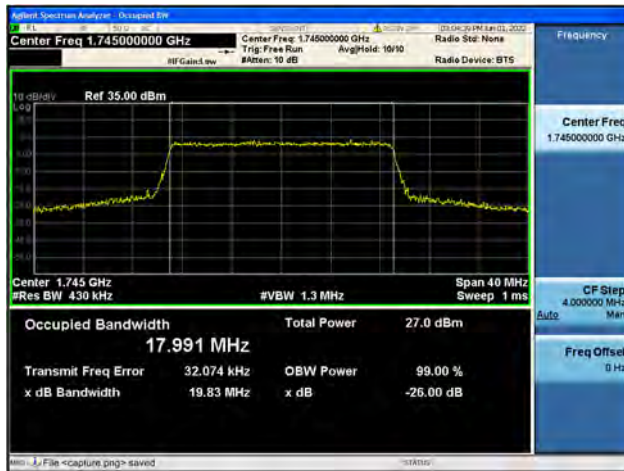


B66 / 20MHz / 64QAM/ Low CH

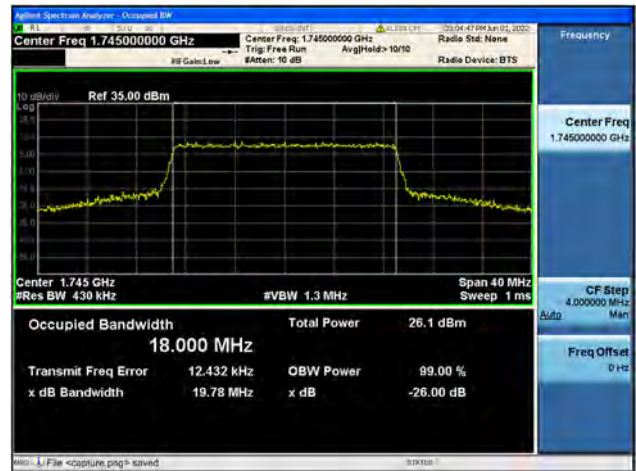




B66 / 20MHz / QPSK/ Mid CH



B66 / 20MHz / 16QAM/ Mid CH



B66 / 20MHz / 64QAM/ Mid CH



B66 / 20MHz / QPSK/ High CH



B66 / 20MHz / 16QAM/ High CH



B66 / 20MHz / 64QAM/ High CH



2.3. Frequency Stability

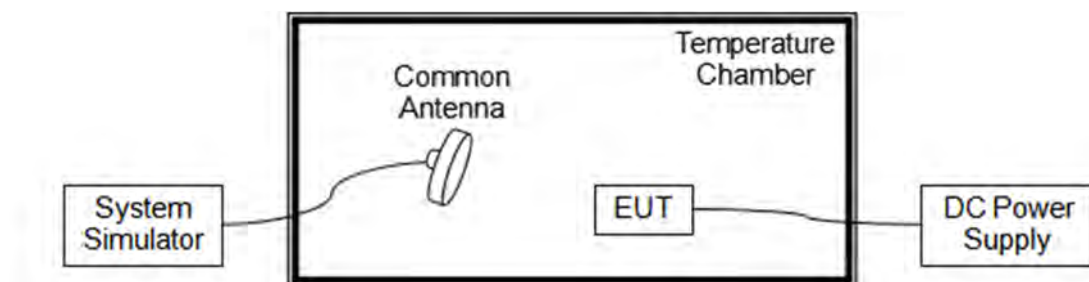
2.3.1. Requirement

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)	-48	-0.026	PASS
Normal		0	49	0.026	
Normal		+10	-31	-0.016	
Normal		+20	-22	-0.012	
Normal		+30	-26	-0.014	
Normal		+40	-15	-0.008	
High	8.96	+20	19	0.010	
BATT.ENDPOINT	6.30	+20	-15	-0.008	

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)	-49	-0.028	PASS
Normal		0	17	0.010	
Normal		+10	40	0.023	
Normal		+20	-32	-0.018	
Normal		+30	54	0.031	
Normal		+40	15	0.009	
High	8.96	+20	29	0.017	
BATT.ENDPOINT	6.30	+20	50	0.029	



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)	41	0.049	PASS
Normal		0	42	0.050	
Normal		+10	-40	-0.048	
Normal		+20	51	0.061	
Normal		+30	28	0.033	
Normal		+40	20	0.024	
High	8.96	+20	23	0.027	
BATT.ENDPOINT	6.30	+20	40	0.048	

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)	45	0.018	PASS
Normal		0	35	0.014	
Normal		+10	-54	-0.021	
Normal		+20	53	0.021	
Normal		+30	-52	-0.021	
Normal		+40	-41	-0.016	
High	8.96	+20	45	0.018	
BATT.ENDPOINT	6.30	+20	-22	-0.009	



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)	-21	-0.030	PASS
Normal		0	-20	-0.028	
Normal		+10	-33	-0.047	
Normal		+20	35	0.049	
Normal		+30	-49	-0.069	
Normal		+40	13	0.018	
High	8.96	+20	-37	-0.052	
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)	51	0.072	PASS
Normal		0	35	0.049	
Normal		+10	39	0.055	
Normal		+20	-41	-0.058	
Normal		+30	50	0.070	
Normal		+40	52	0.073	
High	8.96	+20	-36	-0.051	
BATT.ENDPOINT	6.30	+20	-14	-0.020	



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)	48	0.058	PASS
Normal		0	-56	-0.068	
Normal		+10	-30	-0.036	
Normal		+20	39	0.047	
Normal		+30	37	0.045	
Normal		+40	39	0.047	
High	8.96	+20	-43	-0.052	
BATT.ENDPOINT	6.30	+20	-29	-0.035	

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)	48	0.057	PASS
Normal		0	31	0.037	
Normal		+10	53	0.063	
Normal		+20	15	0.018	
Normal		+30	55	0.066	
Normal		+40	43	0.051	
High	8.96	+20	22	0.026	
BATT.ENDPOINT	6.30	+20	-31	-0.037	



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)	-17	-0.021	PASS
Normal		0	18	0.022	
Normal		+10	-28	-0.034	
Normal		+20	-26	-0.032	
Normal		+30	46	0.056	
Normal		+40	-21	-0.026	
High	8.96	+20	18	0.022	
BATT.ENDPOINT	6.30	+20	-47	-0.057	

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)	28	0.011	PASS
Normal		0	15	0.006	
Normal		+10	38	0.015	
Normal		+20	44	0.017	
Normal		+30	20	0.008	
Normal		+40	22	0.008	
High	8.96	+20	45	0.017	
BATT.ENDPOINT	6.30	+20	-43	-0.017	



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)	26	0.011	PASS
Normal		0	23	0.010	
Normal		+10	-31	-0.013	
Normal		+20	39	0.017	
Normal		+30	15	0.006	
Normal		+40	47	0.020	
High	8.96	+20	-27	-0.012	
BATT.ENDPOINT	6.30	+20	54	0.023	

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)	13	0.006	PASS
Normal		0	17	0.007	
Normal		+10	-59	-0.025	
Normal		+20	36	0.015	
Normal		+30	33	0.014	
Normal		+40	20	0.008	
High	8.96	+20	19	0.008	
BATT.ENDPOINT	6.30	+20	37	0.016	



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)	31	0.012	PASS
Normal		0	39	0.015	
Normal		+10	-51	-0.020	
Normal		+20	-33	-0.013	
Normal		+30	-31	-0.012	
Normal		+40	-56	-0.022	
High	8.96	+20	-44	-0.017	
BATT.ENDPOINT	6.30	+20	-53	-0.020	

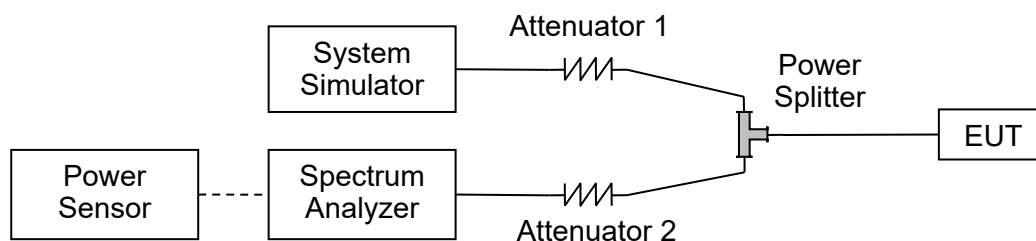
LTE Band 66, QPSK, Channel 132322, Frequency 1745MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	7.78	+20(Ref)	35	0.020	PASS
Normal		0	22	0.013	
Normal		+10	38	0.022	
Normal		+20	16	0.009	
Normal		+30	20	0.011	
Normal		+40	26	0.015	
High	8.96	+20	-31	-0.018	
BATT.ENDPOINT	6.30	+20	14	0.008	

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	4.38	<=13	PASS
	Low	16QAM	5.32	<=13	PASS
	Low	64QAM	5.32	<=13	PASS
	Mid	QPSK	4.40	<=13	PASS
	Mid	16QAM	5.29	<=13	PASS
	Mid	64QAM	5.33	<=13	PASS
	High	QPSK	4.36	<=13	PASS
	High	16QAM	5.31	<=13	PASS
	High	64QAM	5.28	<=13	PASS
3	Low	QPSK	4.50	<=13	PASS
	Low	16QAM	5.45	<=13	PASS
	Low	64QAM	5.46	<=13	PASS
	Mid	QPSK	4.48	<=13	PASS
	Mid	16QAM	5.49	<=13	PASS
	Mid	64QAM	5.49	<=13	PASS
	High	QPSK	4.45	<=13	PASS
	High	16QAM	5.40	<=13	PASS
	High	64QAM	5.41	<=13	PASS
5	Low	QPSK	4.78	<=13	PASS
	Low	16QAM	5.76	<=13	PASS
	Low	64QAM	5.75	<=13	PASS
	Mid	QPSK	4.77	<=13	PASS
	Mid	16QAM	5.76	<=13	PASS
	Mid	64QAM	5.77	<=13	PASS
	High	QPSK	4.74	<=13	PASS
	High	16QAM	5.71	<=13	PASS
	High	64QAM	5.70	<=13	PASS
10	Low	QPSK	4.90	<=13	PASS
	Low	16QAM	5.79	<=13	PASS
	Low	64QAM	5.79	<=13	PASS
	Mid	QPSK	4.92	<=13	PASS
	Mid	16QAM	5.81	<=13	PASS
	Mid	64QAM	5.79	<=13	PASS
	High	QPSK	4.90	<=13	PASS
	High	16QAM	5.75	<=13	PASS
	High	64QAM	5.75	<=13	PASS



15	Low	QPSK	4.67	≤ 13	PASS
	Low	16QAM	5.62	≤ 13	PASS
	Low	64QAM	5.62	≤ 13	PASS
	Mid	QPSK	4.65	≤ 13	PASS
	Mid	16QAM	5.60	≤ 13	PASS
	Mid	64QAM	5.60	≤ 13	PASS
	High	QPSK	4.67	≤ 13	PASS
	High	16QAM	5.57	≤ 13	PASS
	High	64QAM	5.56	≤ 13	PASS
20	Low	QPSK	4.79	≤ 13	PASS
	Low	16QAM	5.73	≤ 13	PASS
	Low	64QAM	5.73	≤ 13	PASS
	Mid	QPSK	4.78	≤ 13	PASS
	Mid	16QAM	5.73	≤ 13	PASS
	Mid	64QAM	5.74	≤ 13	PASS
	High	QPSK	4.85	≤ 13	PASS
	High	16QAM	5.73	≤ 13	PASS
	High	64QAM	5.72	≤ 13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.31	<=13	PASS
	Low	16QAM	5.24	<=13	PASS
	Low	64QAM	5.29	<=13	PASS
	Mid	QPSK	4.41	<=13	PASS
	Mid	16QAM	5.32	<=13	PASS
	Mid	64QAM	5.29	<=13	PASS
	High	QPSK	4.39	<=13	PASS
	High	16QAM	5.32	<=13	PASS
	High	64QAM	5.30	<=13	PASS
3	Low	QPSK	4.47	<=13	PASS
	Low	16QAM	5.43	<=13	PASS
	Low	64QAM	5.43	<=13	PASS
	Mid	QPSK	4.53	<=13	PASS
	Mid	16QAM	5.49	<=13	PASS
	Mid	64QAM	5.50	<=13	PASS
	High	QPSK	4.51	<=13	PASS
	High	16QAM	5.48	<=13	PASS
	High	64QAM	5.49	<=13	PASS
5	Low	QPSK	4.74	<=13	PASS
	Low	16QAM	5.72	<=13	PASS
	Low	64QAM	5.74	<=13	PASS
	Mid	QPSK	4.79	<=13	PASS
	Mid	16QAM	5.79	<=13	PASS
	Mid	64QAM	5.78	<=13	PASS
	High	QPSK	4.77	<=13	PASS
	High	16QAM	5.76	<=13	PASS
	High	64QAM	5.76	<=13	PASS
10	Low	QPSK	4.85	<=13	PASS
	Low	16QAM	5.76	<=13	PASS
	Low	64QAM	5.76	<=13	PASS
	Mid	QPSK	4.92	<=13	PASS
	Mid	16QAM	5.83	<=13	PASS
	Mid	64QAM	5.82	<=13	PASS
	High	QPSK	4.93	<=13	PASS
	High	16QAM	5.82	<=13	PASS
	High	64QAM	5.83	<=13	PASS



15	Low	QPSK	4.62	≤ 13	PASS
	Low	16QAM	5.59	≤ 13	PASS
	Low	64QAM	5.60	≤ 13	PASS
	Mid	QPSK	4.70	≤ 13	PASS
	Mid	16QAM	5.65	≤ 13	PASS
	Mid	64QAM	5.66	≤ 13	PASS
	High	QPSK	4.68	≤ 13	PASS
	High	16QAM	5.66	≤ 13	PASS
	High	64QAM	5.66	≤ 13	PASS
20	Low	QPSK	4.74	≤ 13	PASS
	Low	16QAM	5.71	≤ 13	PASS
	Low	64QAM	5.69	≤ 13	PASS
	Mid	QPSK	4.81	≤ 13	PASS
	Mid	16QAM	5.76	≤ 13	PASS
	Mid	64QAM	5.77	≤ 13	PASS
	High	QPSK	4.78	≤ 13	PASS
	High	16QAM	5.77	≤ 13	PASS
	High	64QAM	5.76	≤ 13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.35	<=13	PASS
	Low	16QAM	5.25	<=13	PASS
	Low	64QAM	5.26	<=13	PASS
	Mid	QPSK	4.46	<=13	PASS
	Mid	16QAM	5.39	<=13	PASS
	Mid	64QAM	5.38	<=13	PASS
	High	QPSK	4.37	<=13	PASS
	High	16QAM	5.32	<=13	PASS
	High	64QAM	5.33	<=13	PASS
3	Low	QPSK	4.48	<=13	PASS
	Low	16QAM	5.41	<=13	PASS
	Low	64QAM	5.43	<=13	PASS
	Mid	QPSK	4.56	<=13	PASS
	Mid	16QAM	5.52	<=13	PASS
	Mid	64QAM	5.53	<=13	PASS
	High	QPSK	4.53	<=13	PASS
	High	16QAM	5.52	<=13	PASS
	High	64QAM	5.49	<=13	PASS
5	Low	QPSK	4.73	<=13	PASS
	Low	16QAM	5.73	<=13	PASS
	Low	64QAM	5.72	<=13	PASS
	Mid	QPSK	4.82	<=13	PASS
	Mid	16QAM	5.80	<=13	PASS
	Mid	64QAM	5.78	<=13	PASS
	High	QPSK	4.80	<=13	PASS
	High	16QAM	5.77	<=13	PASS
	High	64QAM	5.80	<=13	PASS
10	Low	QPSK	4.86	<=13	PASS
	Low	16QAM	5.75	<=13	PASS
	Low	64QAM	5.75	<=13	PASS
	Mid	QPSK	4.96	<=13	PASS
	Mid	16QAM	5.84	<=13	PASS
	Mid	64QAM	5.83	<=13	PASS
	High	QPSK	4.92	<=13	PASS
	High	16QAM	5.82	<=13	PASS
	High	64QAM	5.82	<=13	PASS



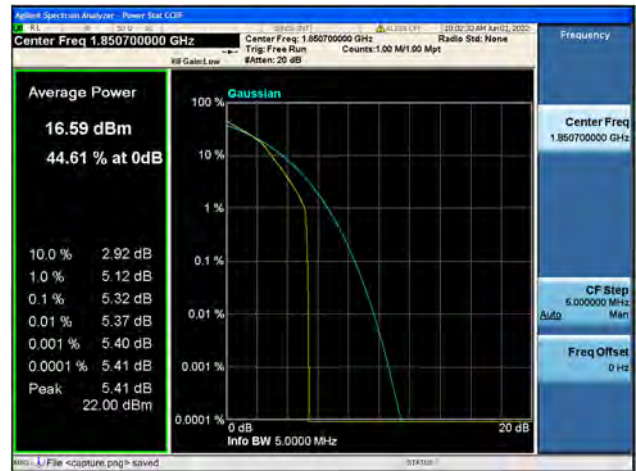
15	Low	QPSK	4.63	≤ 13	PASS
	Low	16QAM	5.59	≤ 13	PASS
	Low	64QAM	5.58	≤ 13	PASS
	Mid	QPSK	4.67	≤ 13	PASS
	Mid	16QAM	5.65	≤ 13	PASS
	Mid	64QAM	5.65	≤ 13	PASS
	High	QPSK	4.66	≤ 13	PASS
	High	16QAM	5.64	≤ 13	PASS
	High	64QAM	5.63	≤ 13	PASS
20	Low	QPSK	4.76	≤ 13	PASS
	Low	16QAM	5.70	≤ 13	PASS
	Low	64QAM	5.70	≤ 13	PASS
	Mid	QPSK	4.77	≤ 13	PASS
	Mid	16QAM	5.75	≤ 13	PASS
	Mid	64QAM	5.75	≤ 13	PASS
	High	QPSK	4.79	≤ 13	PASS
	High	16QAM	5.75	≤ 13	PASS
	High	64QAM	5.76	≤ 13	PASS



B2 / 1.4MHz / Low CH / QPSK



B2 / 1.4MHz / Low CH / 16QAM



B2 / 1.4MHz / Low CH / 64QAM



B2 / 1.4MHz / Mid CH / QPSK



B2 / 1.4MHz / Mid CH / 16QAM



B2 / 1.4MHz / Mid CH / 64QAM

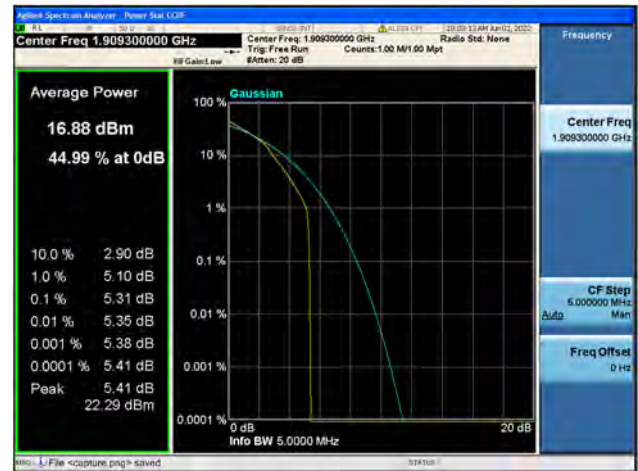




B2 / 1.4MHz / High CH / QPSK



B2 / 1.4MHz / High CH / 16QAM



B2 / 1.4MHz / High CH / 64QAM



B2 / 3MHz / Low CH / QPSK



B2 / 3MHz / Low CH / 16QAM



B2 / 3MHz / Low CH / 64QAM





B2 / 3MHz / Mid CH / QPSK



B2 / 3MHz / Mid CH / 16QAM



B2 / 3MHz / Mid CH / 64QAM



B2 / 3MHz / High CH / QPSK



B2 / 3MHz / High CH / 16QAM



B2 / 3MHz / High CH / 64QAM





B2 / 5MHz / Low CH / QPSK



B2 / 5MHz / Low CH / 16QAM



B2 / 5MHz / Low CH / 64QAM



B2 / 5MHz / Mid CH / QPSK



B2 / 5MHz / Mid CH / 16QAM



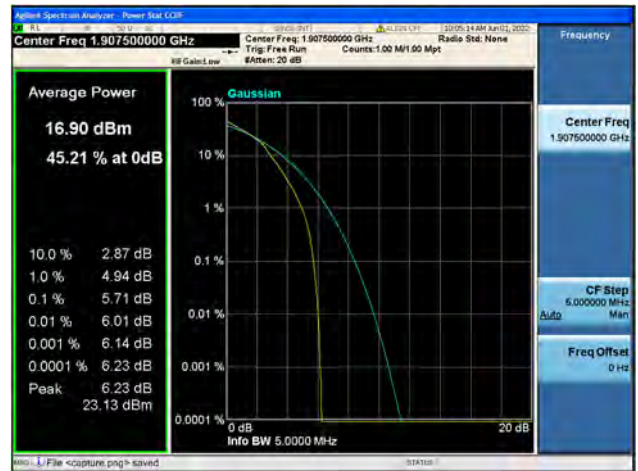
B2 / 5MHz / Mid CH / 64QAM



B2 / 5MHz / High CH / QPSK



B2 / 5MHz / High CH / 16QAM



B2 / 5MHz / High CH / 64QAM



B2 / 10MHz / Low CH / QPSK



B2 / 10MHz / Low CH / 16QAM



B2 / 10MHz / Low CH / 64QAM





B2 / 10MHz / Mid CH / QPSK



B2 / 10MHz / Mid CH / 16QAM



B2 / 10MHz / Mid CH / 64QAM



B2 / 10MHz / High CH / QPSK



B2 / 10MHz / High CH / 16QAM



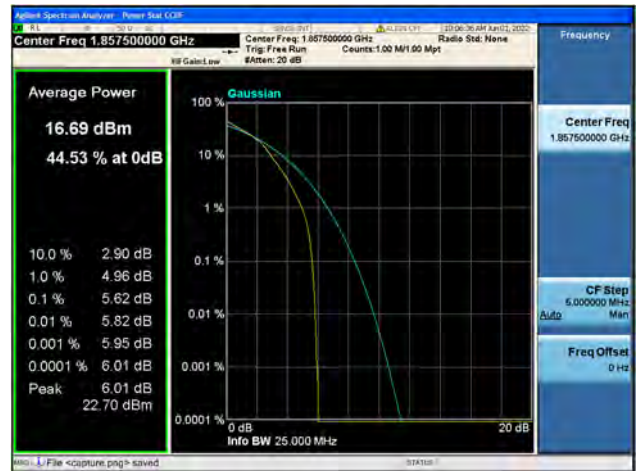
B2 / 10MHz / High CH / 64QAM



B2 / 15MHz / Low CH / QPSK



B2 / 15MHz / Low CH / 16QAM



B2 / 15MHz / Low CH / 64QAM



B2 / 15MHz / Mid CH / QPSK



B2 / 15MHz / Mid CH / 16QAM



B2 / 15MHz / Mid CH / 64QAM

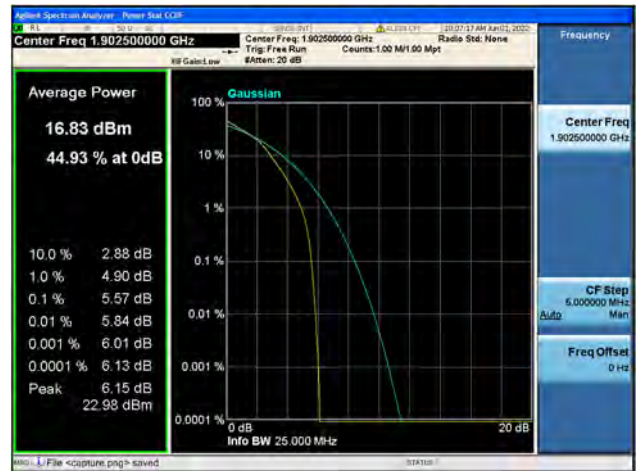




B2 / 15MHz / High CH / QPSK



B2 / 15MHz / High CH / 16QAM



B2 / 15MHz / High CH / 64QAM



B2 / 20MHz / Low CH / QPSK



B2 / 20MHz / Low CH / 16QAM



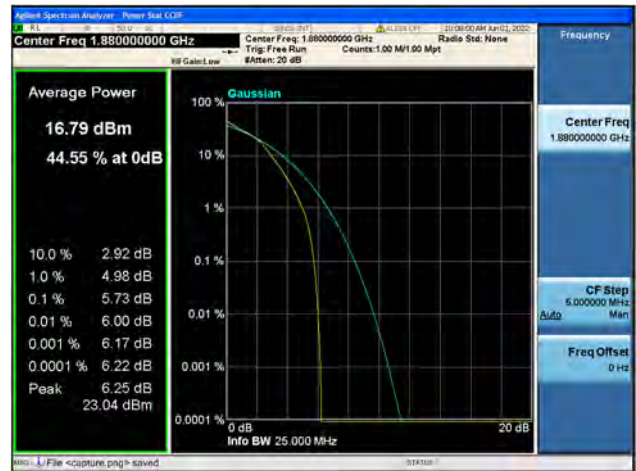
B2 / 20MHz / Low CH / 64QAM



B2 / 20MHz / Mid CH / QPSK



B2 / 20MHz / Mid CH / 16QAM



B2 / 20MHz / Mid CH / 64QAM



B2 / 20MHz / High CH / QPSK



B2 / 20MHz / High CH / 16QAM



B2 / 20MHz / High CH / 64QAM





B4 / 1.4MHz / Low CH / QPSK



B4 / 1.4MHz / Low CH / 16QAM



B4 / 1.4MHz / Low CH / 64QAM



B4 / 1.4MHz / Mid CH / QPSK



B4 / 1.4MHz / Mid CH / 16QAM



B4 / 1.4MHz / Mid CH / 64QAM





B4 / 1.4MHz / High CH / QPSK



B4 / 1.4MHz / High CH / 16QAM



B4 / 1.4MHz / High CH / 64QAM



B4 / 3MHz / Low CH / QPSK



B4 / 3MHz / Low CH / 16QAM



B4 / 3MHz / Low CH / 64QAM

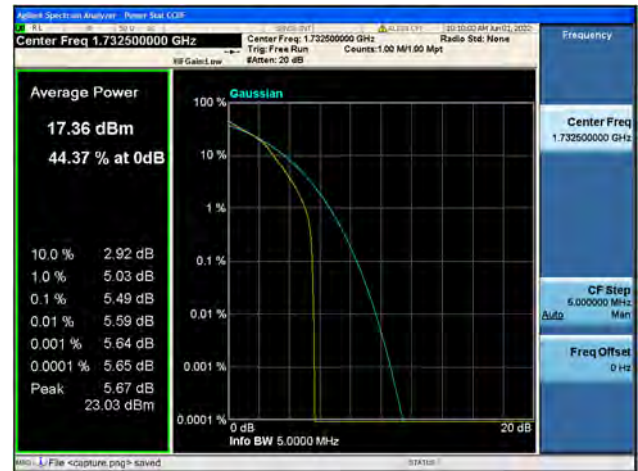




B4 / 3MHz / Mid CH / QPSK



B4 / 3MHz / Mid CH / 16QAM



B4 / 3MHz / Mid CH / 64QAM



B4 / 3MHz / High CH / QPSK



B4 / 3MHz / High CH / 16QAM



B4 / 3MHz / High CH / 64QAM





B4 / 5MHz / Low CH / QPSK



B4 / 5MHz / Low CH / 16QAM



B4 / 5MHz / Low CH / 64QAM



B4 / 5MHz / Mid CH / QPSK



B4 / 5MHz / Mid CH / 16QAM



B4 / 5MHz / Mid CH / 64QAM

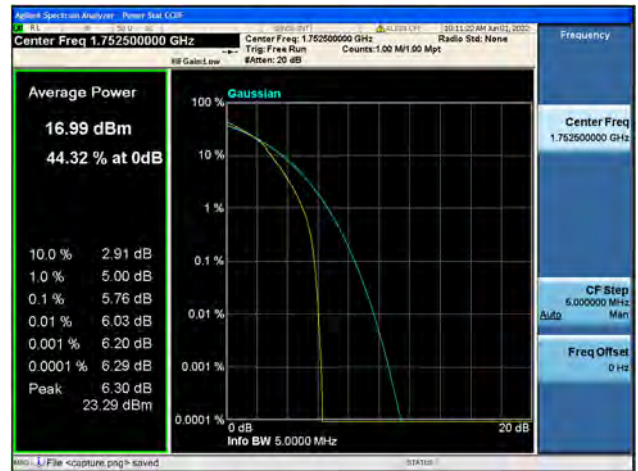




B4 / 5MHz / High CH / QPSK



B4 / 5MHz / High CH / 16QAM



B4 / 5MHz / High CH / 64QAM



B4 / 10MHz / Low CH / QPSK



B4 / 10MHz / Low CH / 16QAM

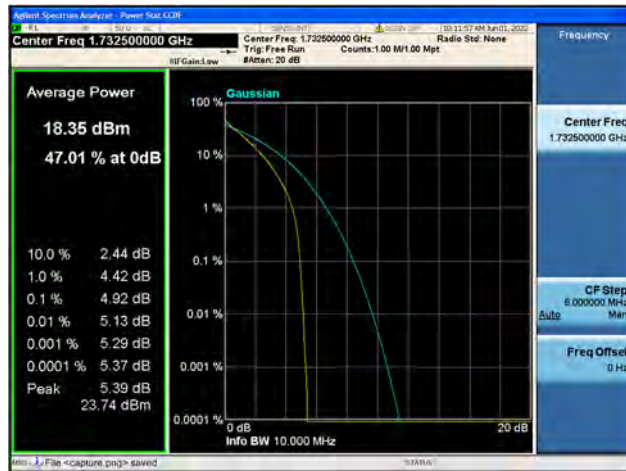


B4 / 10MHz / Low CH / 64QAM

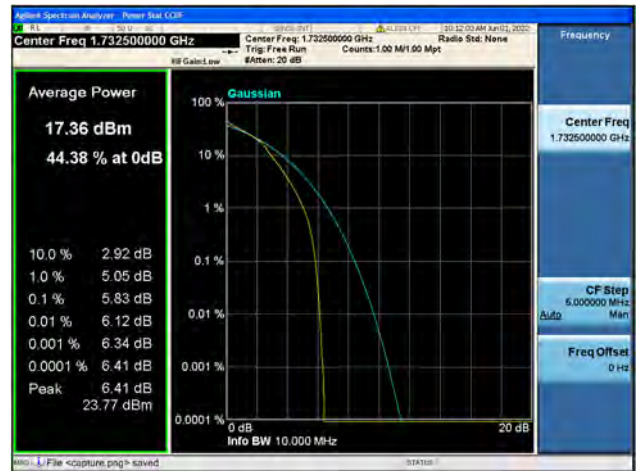




B4 / 10MHz / Mid CH / QPSK



B4 / 10MHz / Mid CH / 16QAM



B4 / 10MHz / Mid CH / 64QAM



B4 / 10MHz / High CH / QPSK



B4 / 10MHz / High CH / 16QAM



B4 / 10MHz / High CH / 64QAM





B4 / 15MHz / Low CH / QPSK



B4 / 15MHz / Low CH / 16QAM



B4 / 15MHz / Low CH / 64QAM



B4 / 15MHz / Mid CH / QPSK



B4 / 15MHz / Mid CH / 16QAM



B4 / 15MHz / Mid CH / 64QAM

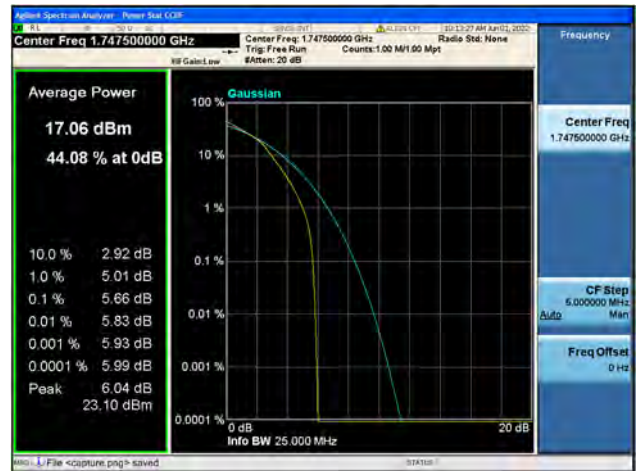




B4 / 15MHz / High CH / QPSK



B4 / 15MHz / High CH / 16QAM



B4 / 15MHz / High CH / 64QAM



B4 / 20MHz / Low CH / QPSK



B4 / 20MHz / Low CH / 16QAM



B4 / 20MHz / Low CH / 64QAM

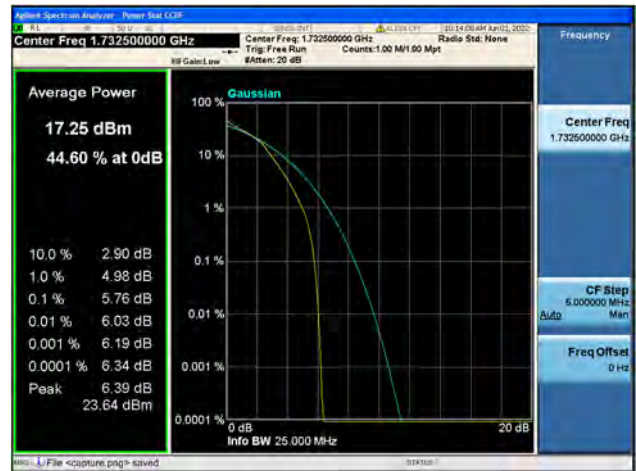




B4 / 20MHz / Mid CH / QPSK



B4 / 20MHz / Mid CH / 16QAM



B4 / 20MHz / Mid CH / 64QAM



B4 / 20MHz / High CH / QPSK



B4 / 20MHz / High CH / 16QAM



B4 / 20MHz / High CH / 64QAM





B66 / 1.4MHz / Low CH / QPSK



B66 / 1.4MHz / Low CH / 16QAM



B66 / 1.4MHz / Low CH / 64QAM



B66 / 1.4MHz / Mid CH / QPSK



B66 / 1.4MHz / Mid CH / 16QAM



B66 / 1.4MHz / Mid CH / 64QAM





B66 / 1.4MHz / High CH / QPSK



B66 / 1.4MHz / High CH / 16QAM



B66 / 1.4MHz / High CH / 64QAM



B66 / 3MHz / Low CH / QPSK



B66 / 3MHz / Low CH / 16QAM



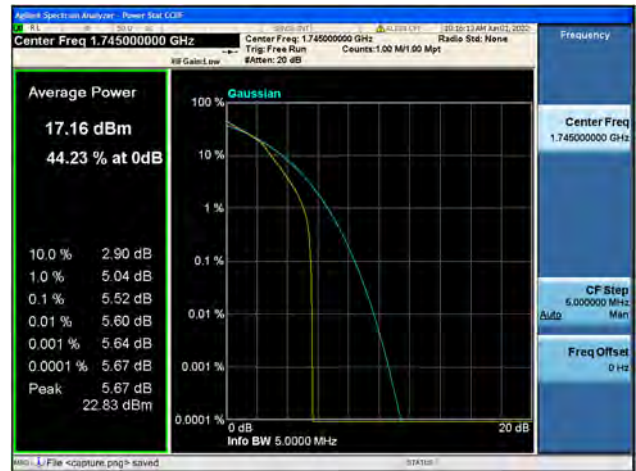
B66 / 3MHz / Low CH / 64QAM



B66 / 3MHz / Mid CH / QPSK



B66 / 3MHz / Mid CH / 16QAM



B66 / 3MHz / Mid CH / 64QAM



B66 / 3MHz / High CH / QPSK



B66 / 3MHz / High CH / 16QAM



B66 / 3MHz / High CH / 64QAM

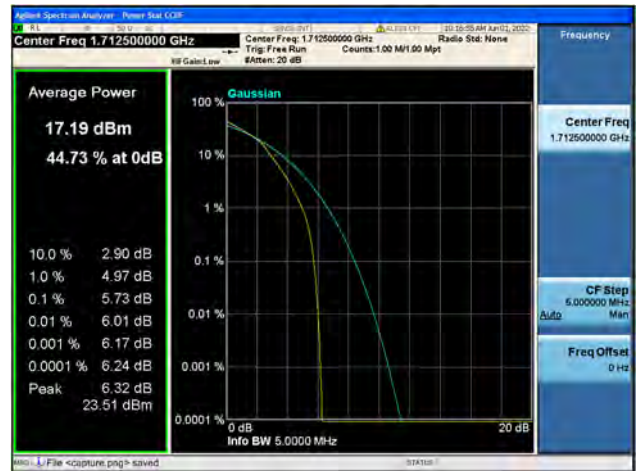




B66 / 5MHz / Low CH / QPSK



B66 / 5MHz / Low CH / 16QAM



B66 / 5MHz / Low CH / 64QAM



B66 / 5MHz / Mid CH / QPSK



B66 / 5MHz / Mid CH / 16QAM



B66 / 5MHz / Mid CH / 64QAM





B66 / 5MHz / High CH / QPSK



B66 / 5MHz / High CH / 16QAM



B66 / 5MHz / High CH / 64QAM



B66 / 10MHz / Low CH / QPSK



B66 / 10MHz / Low CH / 16QAM



B66 / 10MHz / Low CH / 64QAM

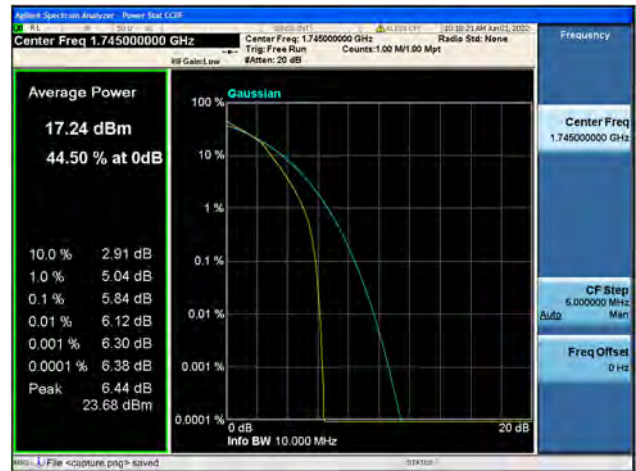




B66 / 10MHz / Mid CH / QPSK



B66 / 10MHz / Mid CH / 16QAM



B66 / 10MHz / Mid CH / 64QAM



B66 / 10MHz / High CH / QPSK



B66 / 10MHz / High CH / 16QAM



B66 / 10MHz / High CH / 64QAM

