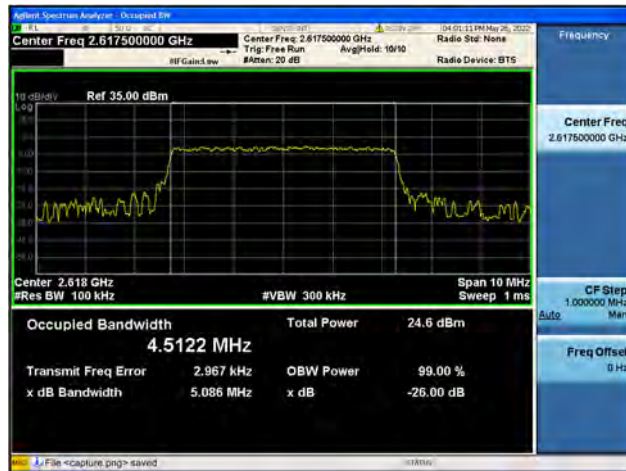
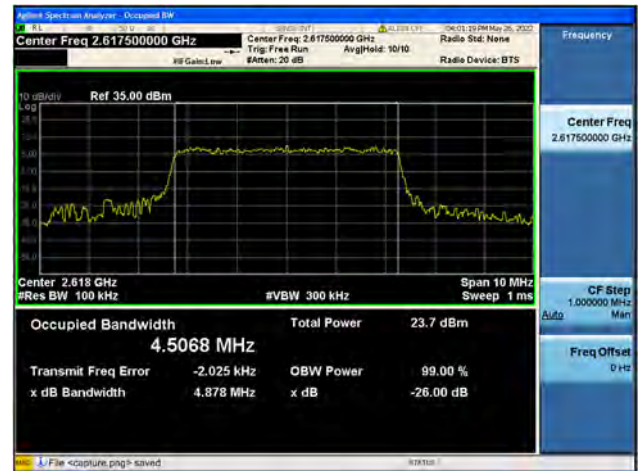




B38 / 5MHz / 16QAM/ High CH



B38 / 5MHz / 64QAM/ High CH



B38 / 10MHz / QPSK/ Low CH



B38 / 10MHz / 16QAM/ Low CH



B38 / 10MHz / 64QAM/ Low CH

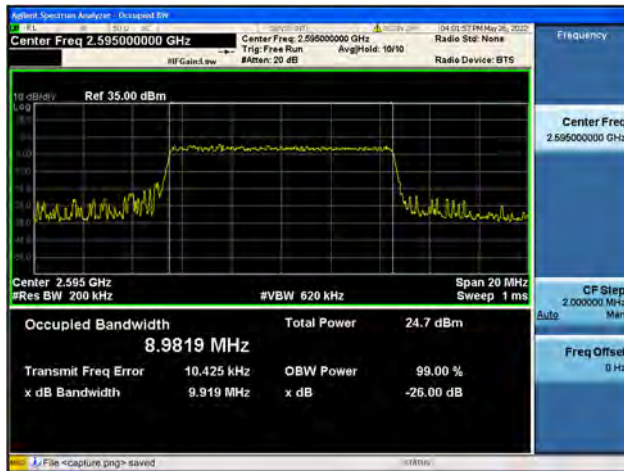


B38 / 10MHz / QPSK/ Mid CH

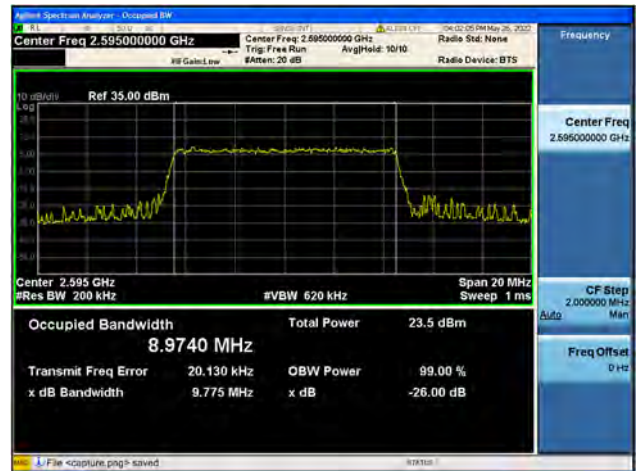




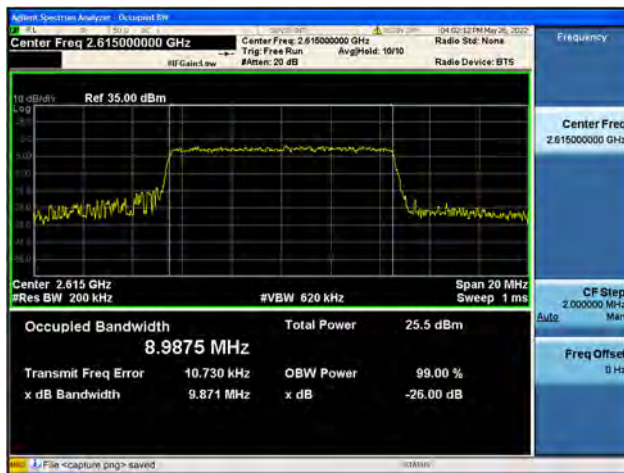
B38 / 10MHz / 16QAM/ Mid CH



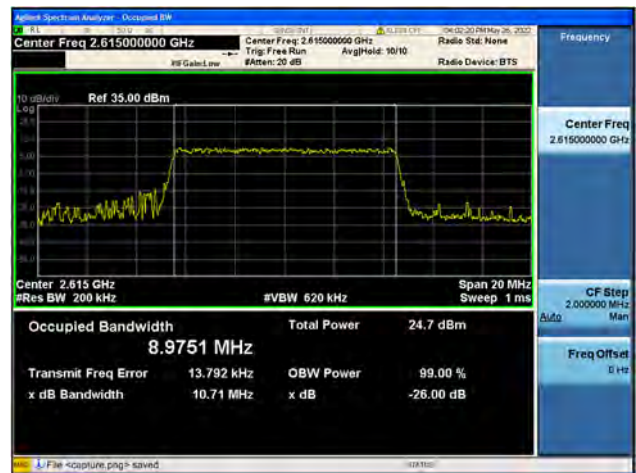
B38 / 10MHz / 64QAM/ Mid CH



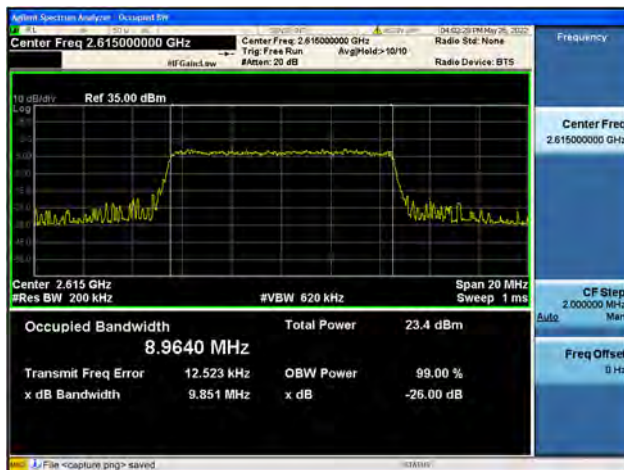
B38 / 10MHz / QPSK/ High CH



B38 / 10MHz / 16QAM/ High CH



B38 / 10MHz / 64QAM/ High CH

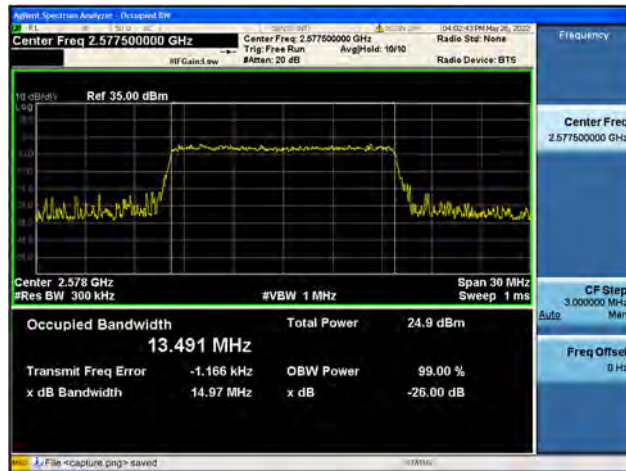


B38 / 15MHz / QPSK/ Low CH

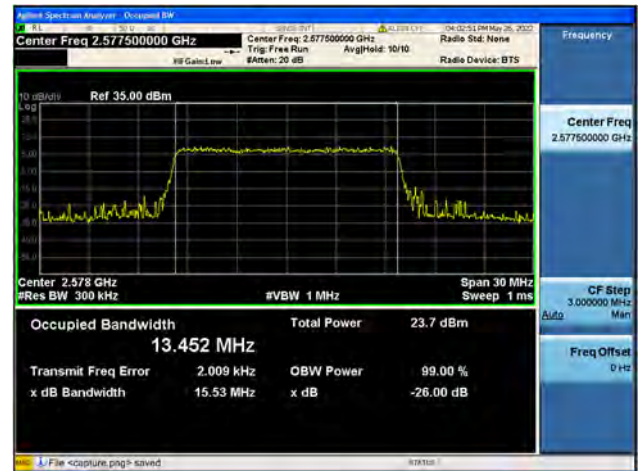




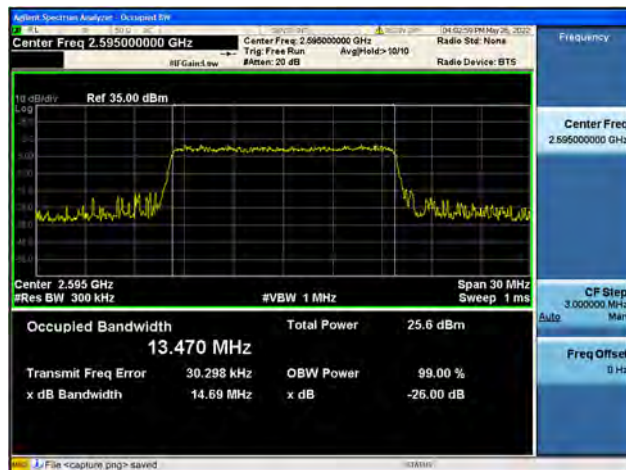
B38 / 15MHz / 16QAM/ Low CH



B38 / 15MHz / 64QAM/ Low CH



B38 / 15MHz / QPSK/ Mid CH



B38 / 15MHz / 16QAM/ Mid CH



B38 / 15MHz / 64QAM/ Mid CH

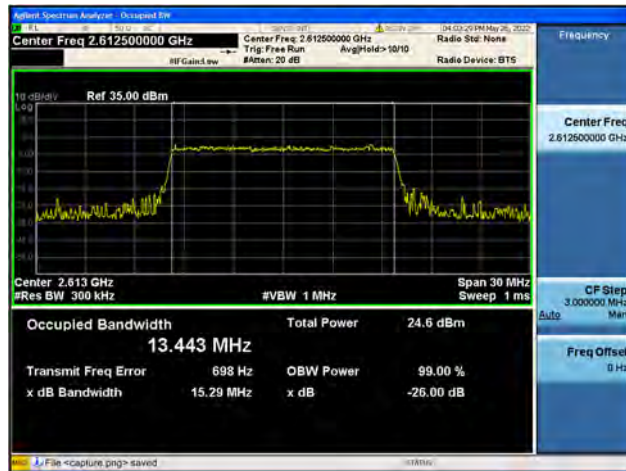


B38 / 15MHz / QPSK/ High CH

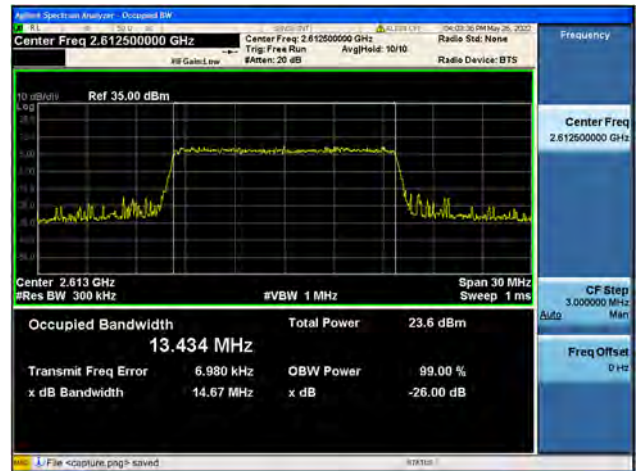




B38 / 15MHz / 16QAM/ High CH



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



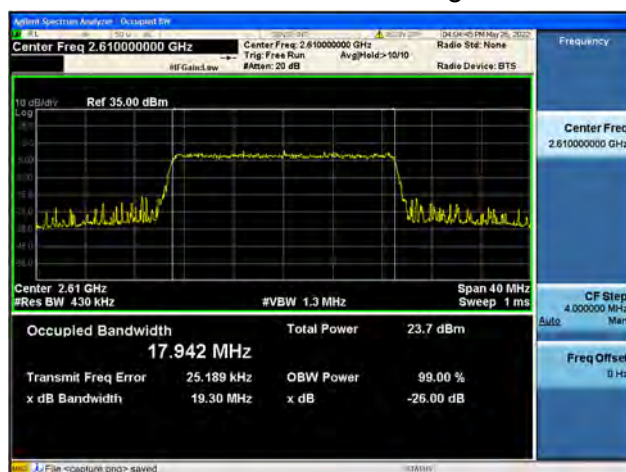
B38 / 20MHz / QPSK/ High CH



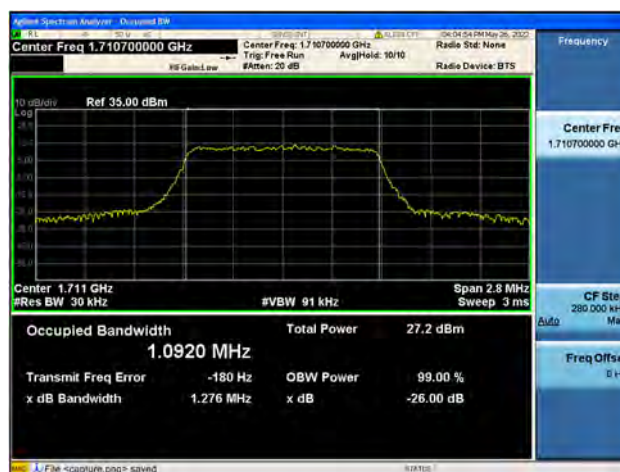
B38 / 20MHz / 16QAM/ High CH



B38 / 20MHz / 64QAM/ High CH

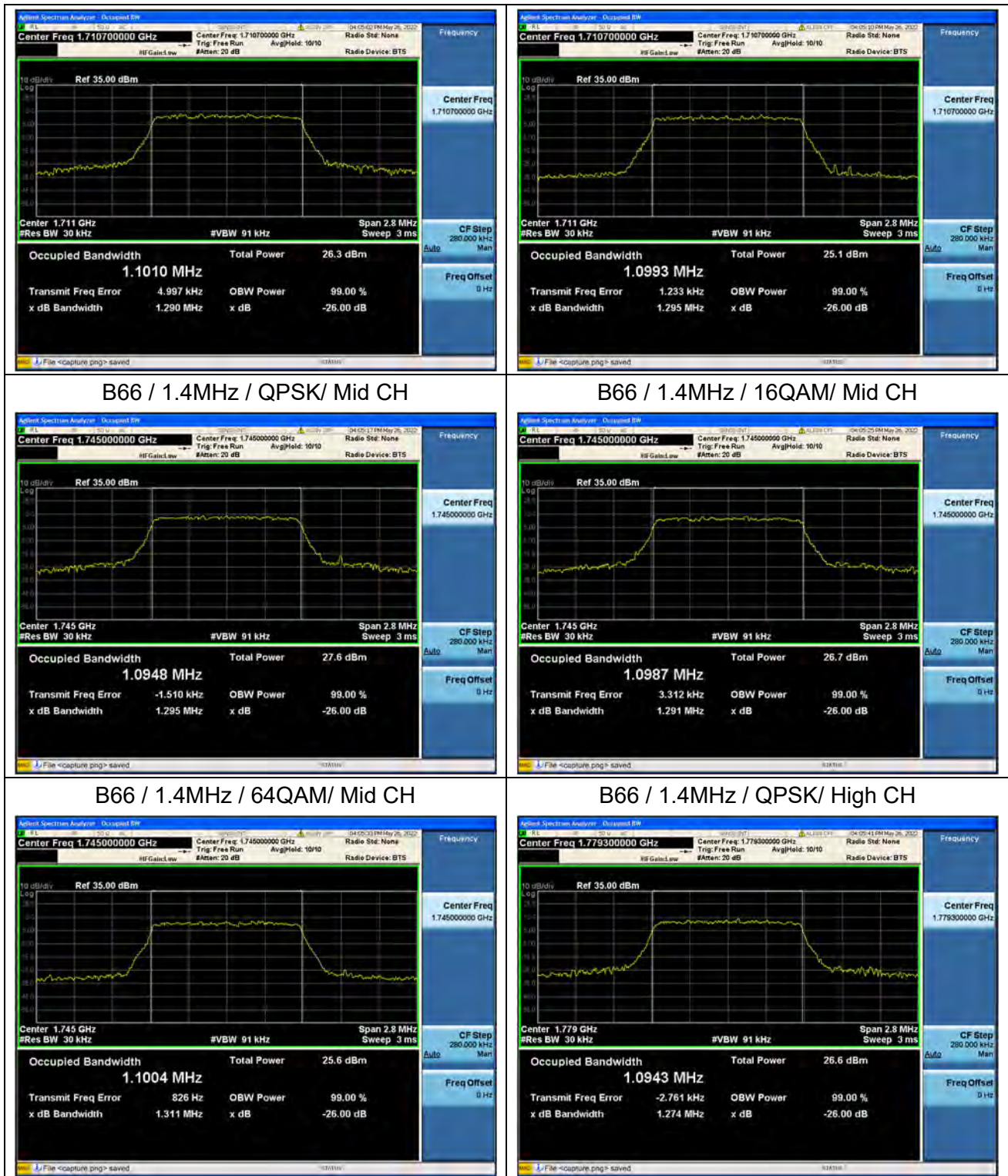


B66 / 1.4MHz / QPSK/ Low CH



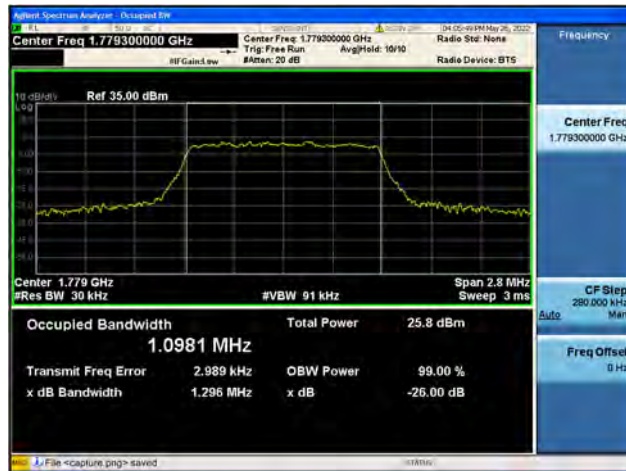
B66 / 1.4MHz / 16QAM/ Low CH

B66 / 1.4MHz / 64QAM/ Low 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

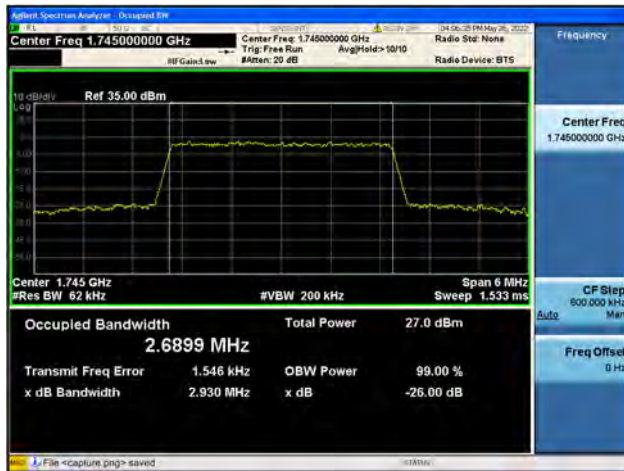


B66 / 3MHz / QPSK/ Mid CH

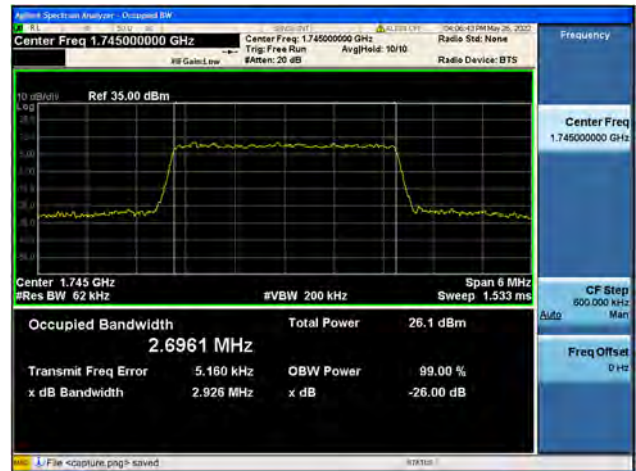




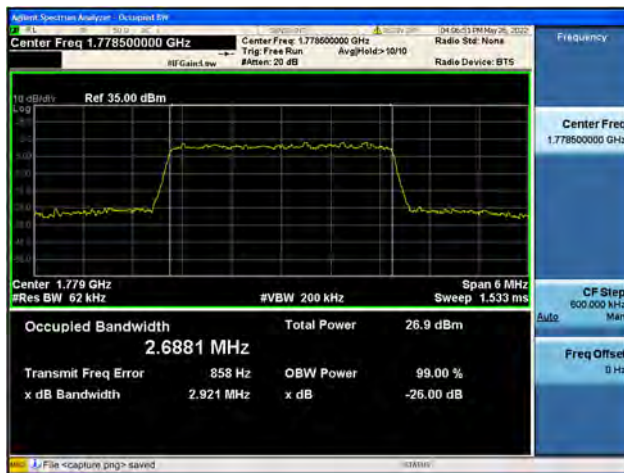
B66 / 3MHz / 16QAM/ Mid CH



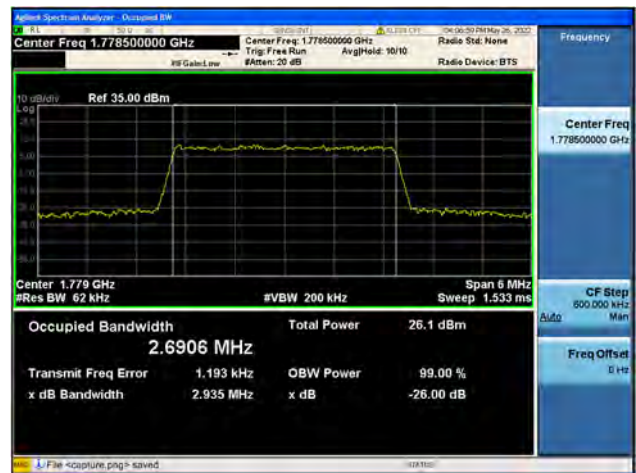
B66 / 3MHz / 64QAM/ Mid CH



B66 / 3MHz / QPSK/ High CH



B66 / 3MHz / 16QAM/ High CH



B66 / 3MHz / 64QAM/ High CH

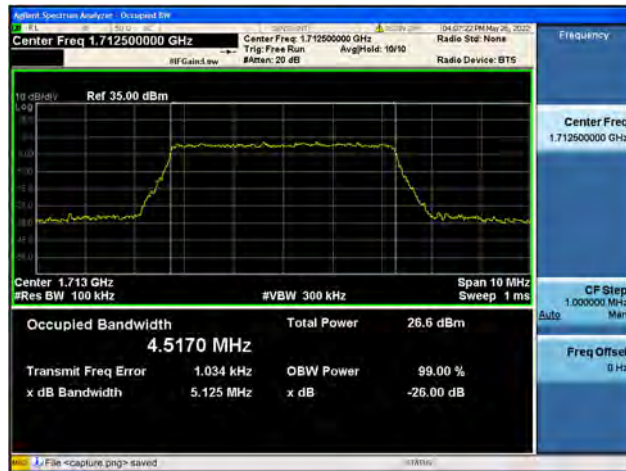


B66 / 5MHz / QPSK/ Low CH

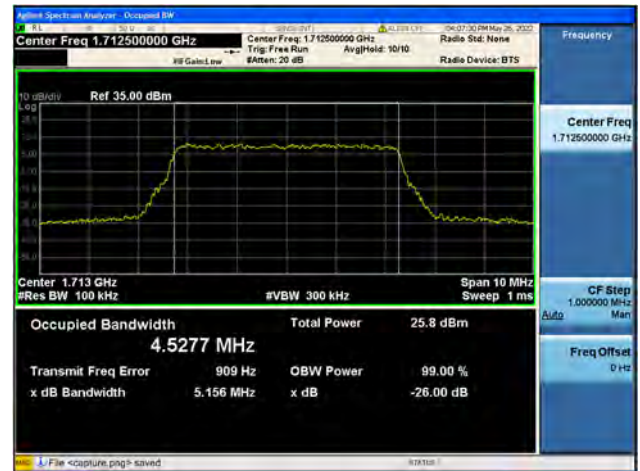




B66 / 5MHz / 16QAM/ Low CH



B66 / 5MHz / 64QAM/ Low CH



B66 / 5MHz / QPSK/ Mid CH



B66 / 5MHz / 16QAM/ Mid CH



B66 / 5MHz / 64QAM/ Mid CH

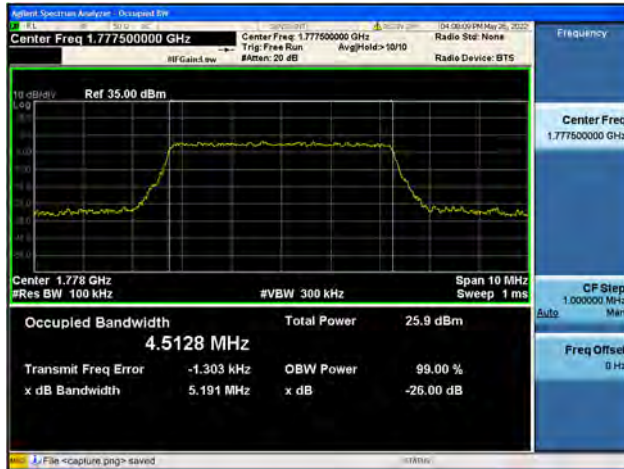


B66 / 5MHz / QPSK/ High CH

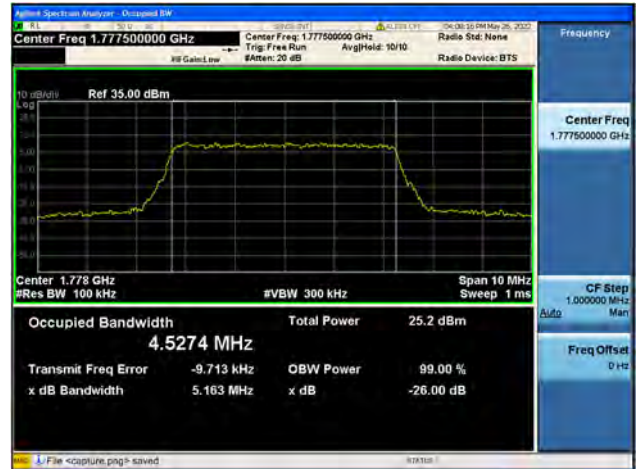




B66 / 5MHz / 16QAM/ High CH



B66 / 5MHz / 64QAM/ High CH



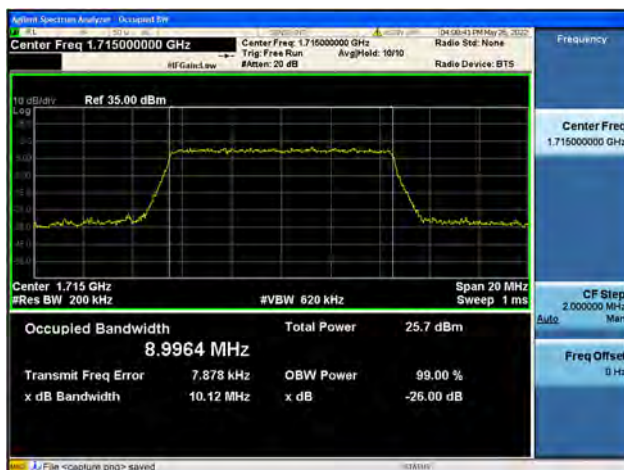
B66 / 10MHz / QPSK/ Low CH



B66 / 10MHz / 16QAM/ Low CH



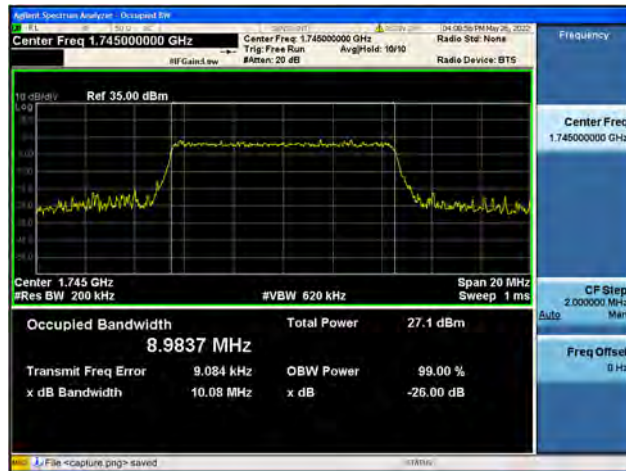
B66 / 10MHz / 64QAM/ Low CH



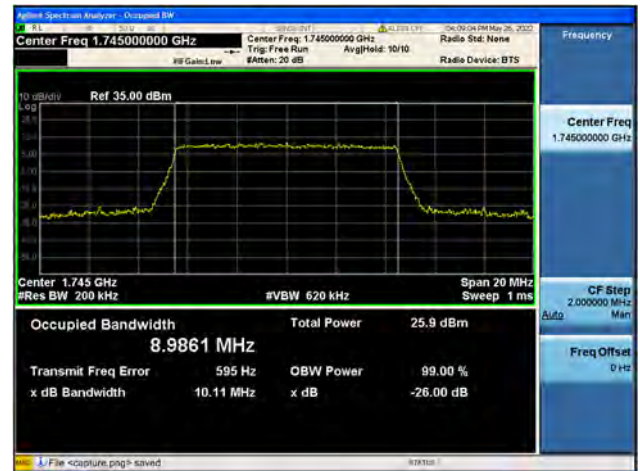
B66 / 10MHz / QPSK/ Mid CH



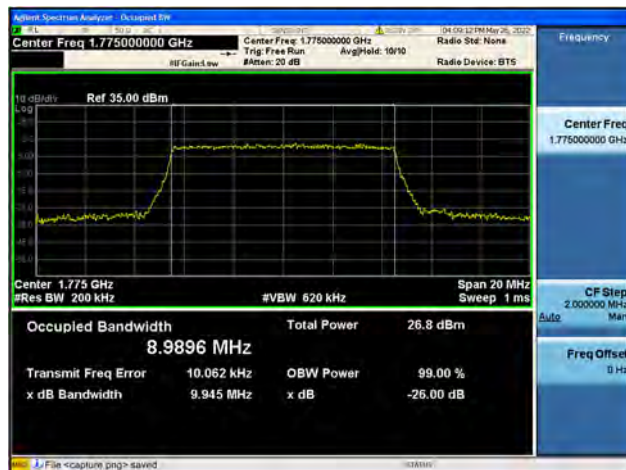
B66 / 10MHz / 16QAM/ Mid CH



B66 / 10MHz / 64QAM/ Mid CH



B66 / 10MHz / QPSK/ High CH



B66 / 10MHz / 16QAM/ High CH



B66 / 10MHz / 64QAM/ High CH

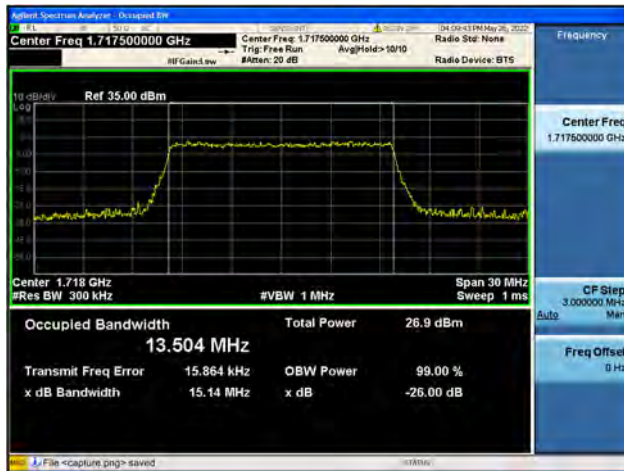


B66 / 15MHz / QPSK/ Low CH

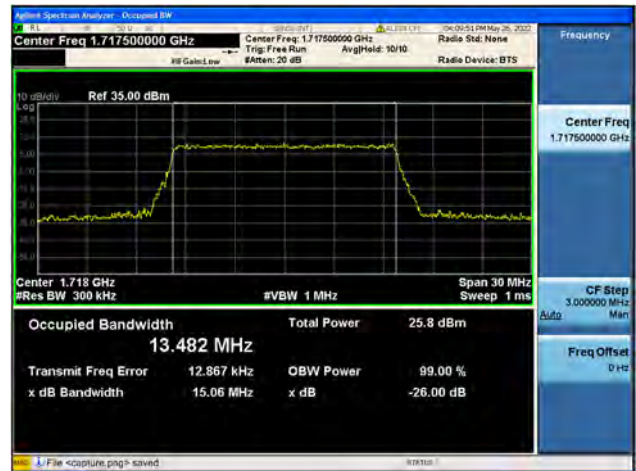




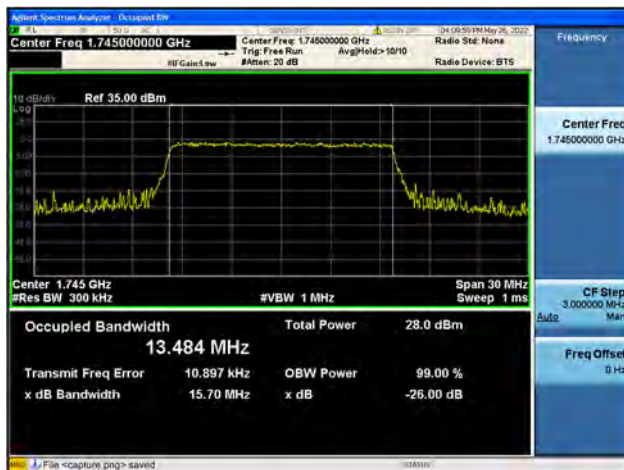
B66 / 15MHz / 16QAM/ Low CH



B66 / 15MHz / 64QAM/ Low CH



B66 / 15MHz / QPSK/ Mid CH



B66 / 15MHz / 16QAM/ Mid CH



B66 / 15MHz / 64QAM/ Mid CH

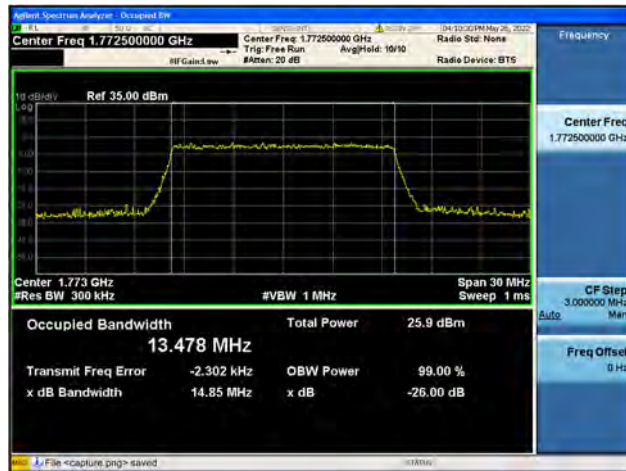


B66 / 15MHz / QPSK/ High CH

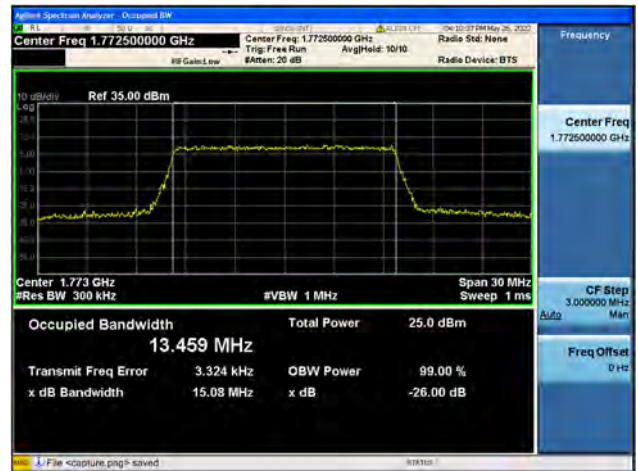




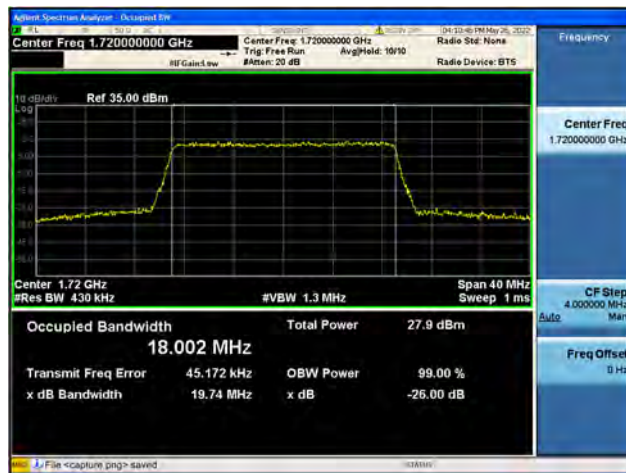
B66 / 15MHz / 16QAM/ High CH



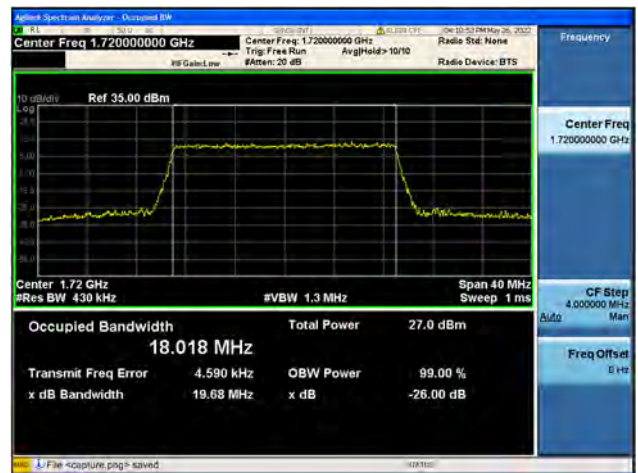
B66 / 15MHz / 64QAM/ High CH



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

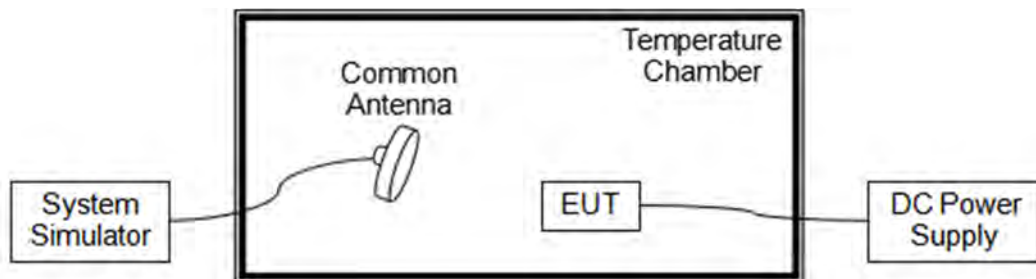
2.3.1. Requirement

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 -10°C to 55°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 3.87V, 4.45V and 3.40V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	29	0.015	PASS
Normal		-10	47	0.025	
Normal		0	-13	-0.007	
Normal		+10	-58	-0.031	
Normal		+20	21	0.011	
Normal		+30	-58	-0.031	
Normal		+40	55	0.029	
Normal		+50	-54	-0.029	
Normal		+55	32	0.017	
High	4.45	+20	56	0.030	
BATT.ENDPOINT	3.40	+20	-45	-0.024	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	31	0.018	PASS
Normal		-10	34	0.020	
Normal		0	-23	-0.013	
Normal		+10	-54	-0.031	
Normal		+20	29	0.017	
Normal		+30	17	0.010	
Normal		+40	-46	-0.027	
Normal		+50	25	0.014	
Normal		+55	46	0.027	
High	4.45	+20	19	0.011	
BATT.ENDPOINT	3.40	+20	-18	-0.010	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	37	0.044	PASS
Normal		-10	51	0.061	
Normal		0	-25	-0.030	
Normal		+10	-17	-0.020	
Normal		+20	-45	-0.054	
Normal		+30	-32	-0.038	
Normal		+40	33	0.039	
Normal		+50	-50	-0.060	
Normal		+55	53	0.063	
High	4.45	+20	-49	-0.059	
BATT.ENDPOINT	3.40	+20	-33	-0.039	

LTE Band 7, QPSK, Channel 21100, Frequency 2535.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	33	0.013	PASS
Normal		-10	-44	-0.017	
Normal		0	-25	-0.010	
Normal		+10	39	0.015	
Normal		+20	35	0.014	
Normal		+30	-58	-0.023	
Normal		+40	37	0.015	
Normal		+50	-23	-0.009	
Normal		+55	13	0.005	
High	4.45	+20	-28	-0.011	
BATT.ENDPOINT	3.40	+20	14	0.006	



LTE Band 13, QPSK, Channel 23230, Frequency 782.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-59	-0.075	PASS
Normal		-10	-17	-0.022	
Normal		0	27	0.035	
Normal		+10	19	0.024	
Normal		+20	28	0.036	
Normal		+30	29	0.037	
Normal		+40	-43	-0.055	
Normal		+50	51	0.065	
Normal		+55	22	0.028	
High	4.45	+20	-39	-0.050	
BATT.ENDPOINT	3.40	+20	33	0.042	

LTE Band 26, QPSK, Channel 26915, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	15	0.018	PASS
Normal		-10	-37	-0.044	
Normal		0	33	0.039	
Normal		+10	17	0.020	
Normal		+20	-52	-0.062	
Normal		+30	-28	-0.033	
Normal		+40	41	0.049	
Normal		+50	-41	-0.049	
Normal		+55	25	0.030	
High	4.45	+20	-20	-0.024	
BATT.ENDPOINT	3.40	+20	27	0.032	



LTE Band 38, QPSK, Channel 38000, Frequency 2595.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	35	0.013	PASS
Normal		-10	23	0.009	
Normal		0	-41	-0.016	
Normal		+10	41	0.016	
Normal		+20	46	0.018	
Normal		+30	-28	-0.011	
Normal		+40	-48	-0.018	
Normal		+50	17	0.007	
Normal		+55	24	0.009	
High	4.45	+20	16	0.006	
BATT.ENDPOINT	3.40	+20	31	0.012	

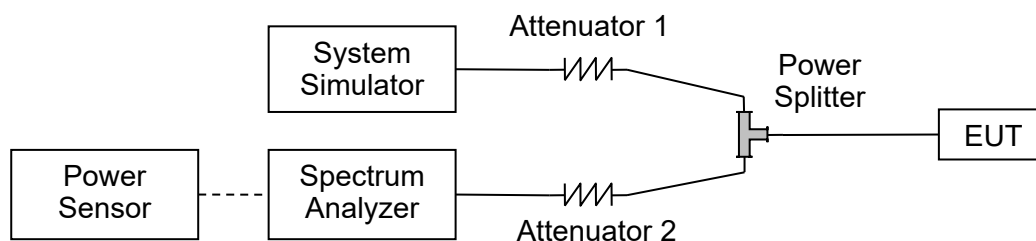
LTE Band 66, QPSK, Channel 132322, Frequency 1745.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.87	+20(Ref)	-50	-0.029	PASS
Normal		-10	49	0.028	
Normal		0	20	0.011	
Normal		+10	46	0.026	
Normal		+20	49	0.028	
Normal		+30	-38	-0.022	
Normal		+40	22	0.013	
Normal		+50	20	0.011	
Normal		+55	-37	-0.021	
High	4.45	+20	40	0.023	
BATT.ENDPOINT	3.40	+20	-28	-0.016	

2.4. Peak to Average Radio

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	5.52	<=13	PASS
	Low	16QAM	6.31	<=13	PASS
	Low	64QAM	6.36	<=13	PASS
	Mid	QPSK	5.08	<=13	PASS
	Mid	16QAM	5.96	<=13	PASS
	Mid	64QAM	6.37	<=13	PASS
	High	QPSK	4.92	<=13	PASS
	High	16QAM	5.76	<=13	PASS
	High	64QAM	6.24	<=13	PASS
3	Low	QPSK	5.58	<=13	PASS
	Low	16QAM	6.38	<=13	PASS
	Low	64QAM	6.40	<=13	PASS
	Mid	QPSK	5.26	<=13	PASS
	Mid	16QAM	6.06	<=13	PASS
	Mid	64QAM	6.45	<=13	PASS
	High	QPSK	5.17	<=13	PASS
	High	16QAM	5.97	<=13	PASS
	High	64QAM	6.37	<=13	PASS
5	Low	QPSK	5.72	<=13	PASS
	Low	16QAM	6.34	<=13	PASS
	Low	64QAM	6.53	<=13	PASS
	Mid	QPSK	5.46	<=13	PASS
	Mid	16QAM	6.11	<=13	PASS
	Mid	64QAM	6.52	<=13	PASS
	High	QPSK	5.39	<=13	PASS
	High	16QAM	6.04	<=13	PASS
	High	64QAM	6.42	<=13	PASS
10	Low	QPSK	5.79	<=13	PASS
	Low	16QAM	6.39	<=13	PASS
	Low	64QAM	6.55	<=13	PASS
	Mid	QPSK	5.49	<=13	PASS
	Mid	16QAM	6.16	<=13	PASS
	Mid	64QAM	6.50	<=13	PASS
	High	QPSK	5.50	<=13	PASS
	High	16QAM	6.17	<=13	PASS
	High	64QAM	6.51	<=13	PASS



15	Low	QPSK	5.71	≤ 13	PASS
	Low	16QAM	6.38	≤ 13	PASS
	Low	64QAM	6.54	≤ 13	PASS
	Mid	QPSK	5.39	≤ 13	PASS
	Mid	16QAM	6.09	≤ 13	PASS
	Mid	64QAM	6.54	≤ 13	PASS
	High	QPSK	5.42	≤ 13	PASS
	High	16QAM	6.12	≤ 13	PASS
	High	64QAM	6.54	≤ 13	PASS
20	Low	QPSK	5.74	≤ 13	PASS
	Low	16QAM	6.40	≤ 13	PASS
	Low	64QAM	6.57	≤ 13	PASS
	Mid	QPSK	5.42	≤ 13	PASS
	Mid	16QAM	6.22	≤ 13	PASS
	Mid	64QAM	6.50	≤ 13	PASS
	High	QPSK	5.52	≤ 13	PASS
	High	16QAM	6.24	≤ 13	PASS
	High	64QAM	6.59	≤ 13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.33	<=13	PASS
	Low	16QAM	6.04	<=13	PASS
	Low	64QAM	6.29	<=13	PASS
	Mid	QPSK	5.19	<=13	PASS
	Mid	16QAM	5.90	<=13	PASS
	Mid	64QAM	6.25	<=13	PASS
	High	QPSK	4.99	<=13	PASS
	High	16QAM	5.83	<=13	PASS
	High	64QAM	6.37	<=13	PASS
3	Low	QPSK	5.43	<=13	PASS
	Low	16QAM	6.21	<=13	PASS
	Low	64QAM	6.30	<=13	PASS
	Mid	QPSK	5.20	<=13	PASS
	Mid	16QAM	6.03	<=13	PASS
	Mid	64QAM	6.28	<=13	PASS
	High	QPSK	5.09	<=13	PASS
	High	16QAM	5.98	<=13	PASS
	High	64QAM	6.36	<=13	PASS
5	Low	QPSK	5.59	<=13	PASS
	Low	16QAM	6.18	<=13	PASS
	Low	64QAM	6.38	<=13	PASS
	Mid	QPSK	5.47	<=13	PASS
	Mid	16QAM	6.11	<=13	PASS
	Mid	64QAM	6.35	<=13	PASS
	High	QPSK	5.42	<=13	PASS
	High	16QAM	6.08	<=13	PASS
	High	64QAM	6.44	<=13	PASS
10	Low	QPSK	5.64	<=13	PASS
	Low	16QAM	6.24	<=13	PASS
	Low	64QAM	6.38	<=13	PASS
	Mid	QPSK	5.52	<=13	PASS
	Mid	16QAM	6.19	<=13	PASS
	Mid	64QAM	6.34	<=13	PASS
	High	QPSK	5.42	<=13	PASS
	High	16QAM	6.14	<=13	PASS
	High	64QAM	6.44	<=13	PASS



15	Low	QPSK	5.57	≤ 13	PASS
	Low	16QAM	6.20	≤ 13	PASS
	Low	64QAM	6.40	≤ 13	PASS
	Mid	QPSK	5.46	≤ 13	PASS
	Mid	16QAM	6.11	≤ 13	PASS
	Mid	64QAM	6.39	≤ 13	PASS
	High	QPSK	5.25	≤ 13	PASS
	High	16QAM	6.03	≤ 13	PASS
	High	64QAM	6.43	≤ 13	PASS
20	Low	QPSK	5.49	≤ 13	PASS
	Low	16QAM	6.28	≤ 13	PASS
	Low	64QAM	6.43	≤ 13	PASS
	Mid	QPSK	5.41	≤ 13	PASS
	Mid	16QAM	6.16	≤ 13	PASS
	Mid	64QAM	6.40	≤ 13	PASS
	High	QPSK	5.37	≤ 13	PASS
	High	16QAM	6.08	≤ 13	PASS
	High	64QAM	6.46	≤ 13	PASS



LTE Band 66					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.32	<=13	PASS
	Low	16QAM	6.05	<=13	PASS
	Low	64QAM	6.33	<=13	PASS
	Mid	QPSK	4.98	<=13	PASS
	Mid	16QAM	5.82	<=13	PASS
	Mid	64QAM	6.32	<=13	PASS
	High	QPSK	5.07	<=13	PASS
	High	16QAM	5.88	<=13	PASS
	High	64QAM	6.33	<=13	PASS
3	Low	QPSK	5.43	<=13	PASS
	Low	16QAM	6.10	<=13	PASS
	Low	64QAM	6.39	<=13	PASS
	Mid	QPSK	5.10	<=13	PASS
	Mid	16QAM	5.95	<=13	PASS
	Mid	64QAM	6.34	<=13	PASS
	High	QPSK	5.30	<=13	PASS
	High	16QAM	6.07	<=13	PASS
	High	64QAM	6.38	<=13	PASS
5	Low	QPSK	5.58	<=13	PASS
	Low	16QAM	6.26	<=13	PASS
	Low	64QAM	6.39	<=13	PASS
	Mid	QPSK	5.36	<=13	PASS
	Mid	16QAM	6.04	<=13	PASS
	Mid	64QAM	6.40	<=13	PASS
	High	QPSK	5.44	<=13	PASS
	High	16QAM	6.15	<=13	PASS
	High	64QAM	6.52	<=13	PASS
10	Low	QPSK	5.64	<=13	PASS
	Low	16QAM	6.25	<=13	PASS
	Low	64QAM	6.37	<=13	PASS
	Mid	QPSK	5.35	<=13	PASS
	Mid	16QAM	6.13	<=13	PASS
	Mid	64QAM	6.40	<=13	PASS
	High	QPSK	5.55	<=13	PASS
	High	16QAM	6.28	<=13	PASS
	High	64QAM	6.49	<=13	PASS



15	Low	QPSK	5.56	≤ 13	PASS
	Low	16QAM	6.18	≤ 13	PASS
	Low	64QAM	6.42	≤ 13	PASS
	Mid	QPSK	5.26	≤ 13	PASS
	Mid	16QAM	6.02	≤ 13	PASS
	Mid	64QAM	6.46	≤ 13	PASS
	High	QPSK	5.46	≤ 13	PASS
	High	16QAM	6.18	≤ 13	PASS
	High	64QAM	6.50	≤ 13	PASS
20	Low	QPSK	5.57	≤ 13	PASS
	Low	16QAM	6.26	≤ 13	PASS
	Low	64QAM	6.41	≤ 13	PASS
	Mid	QPSK	5.36	≤ 13	PASS
	Mid	16QAM	6.09	≤ 13	PASS
	Mid	64QAM	6.43	≤ 13	PASS
	High	QPSK	5.49	≤ 13	PASS
	High	16QAM	6.24	≤ 13	PASS
	High	64QAM	6.54	≤ 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



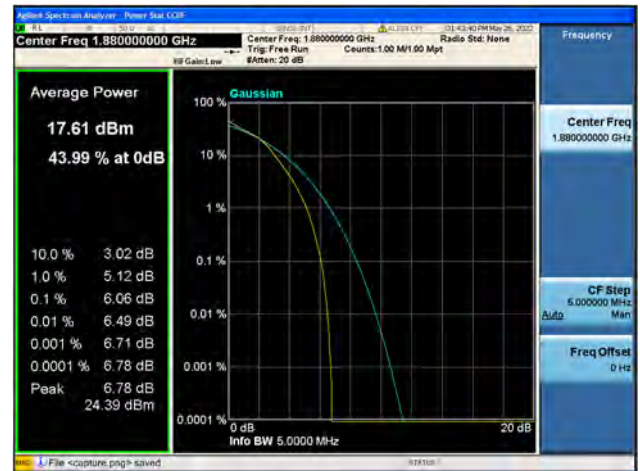
B2 / 3MHz / Low CH / 64QAM



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

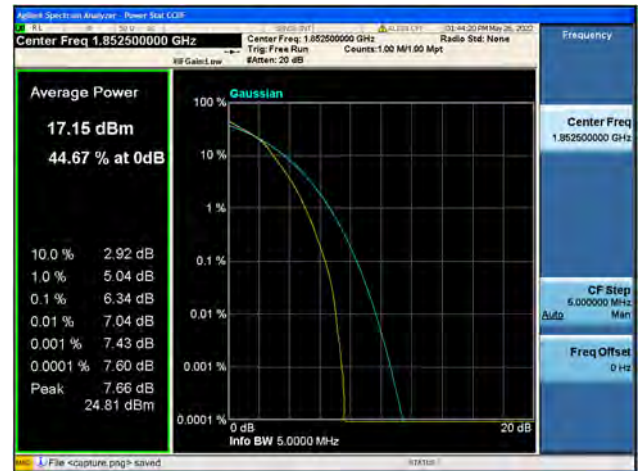




B2 / 5MHz / Low CH / QPSK



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

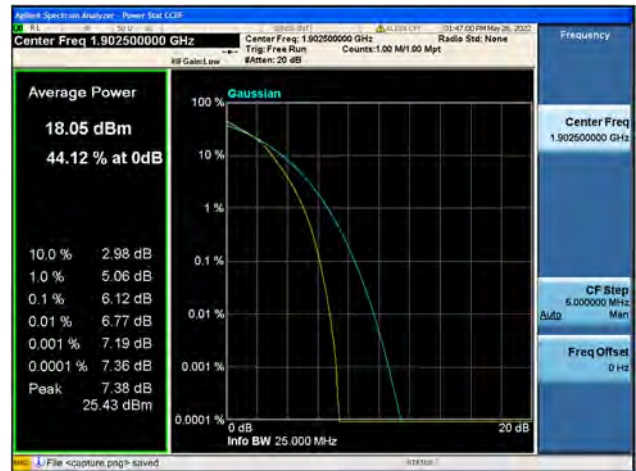




B2 / 15MHz / High CH / QPSK



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

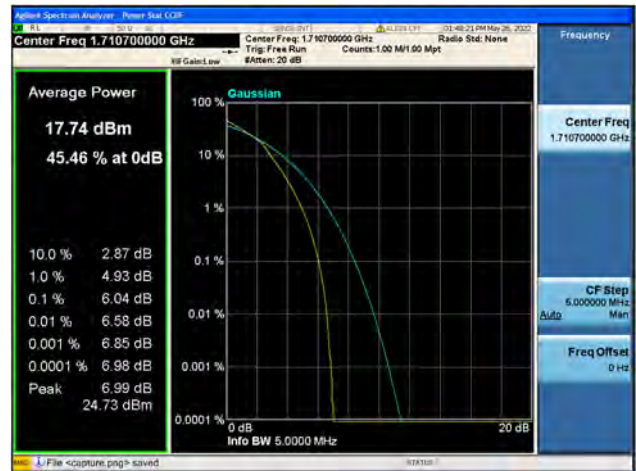




B4 / 1.4MHz / Low CH / QPSK



B4 / 1.4MHz / Low CH / 16QAM



B4 / 1.4MHz / Low CH / 64QAM



B4 / 1.4MHz / Mid CH / QPSK



B4 / 1.4MHz / Mid CH / 16QAM



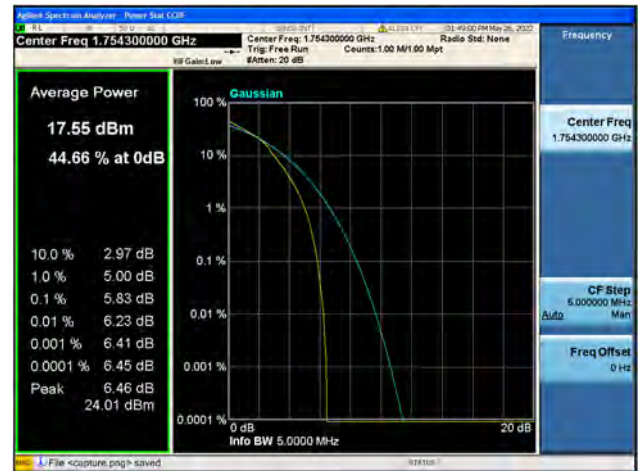
B4 / 1.4MHz / Mid CH / 64QAM



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

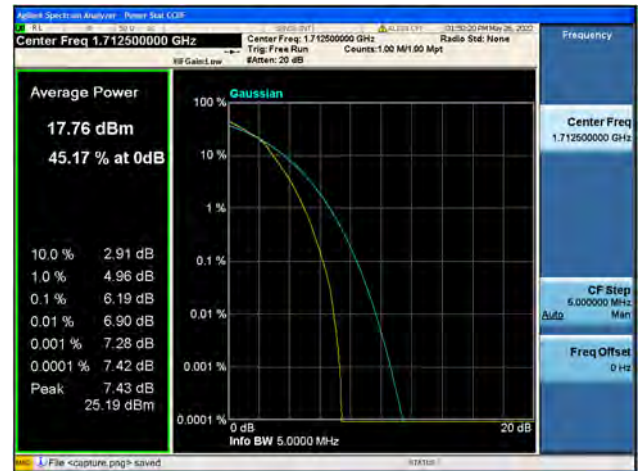




B4 / 5MHz / Low CH / QPSK



B4 / 5MHz / Low CH / 16QAM



B4 / 5MHz / Low CH / 64QAM



B4 / 5MHz / Mid CH / QPSK



B4 / 5MHz / Mid CH / 16QAM



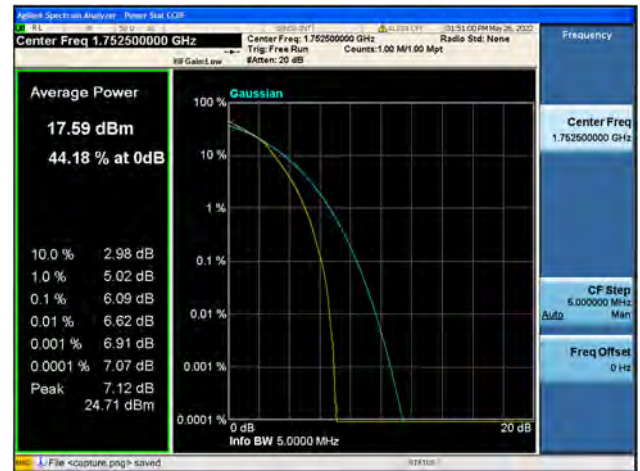
B4 / 5MHz / Mid CH / 64QAM



B4 / 5MHz / High CH / QPSK



B4 / 5MHz / High CH / 16QAM



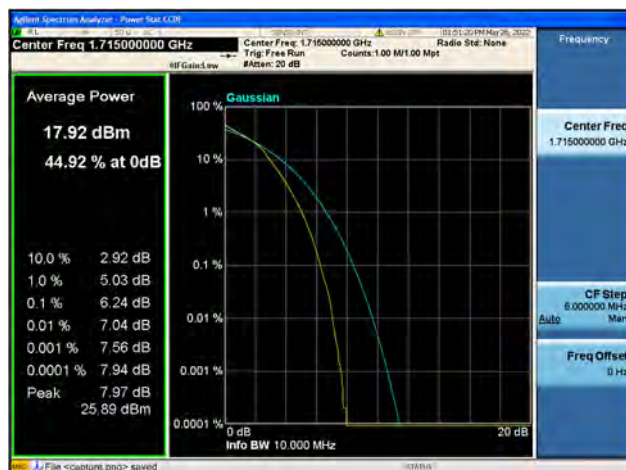
B4 / 5MHz / High CH / 64QAM



B4 / 10MHz / Low CH / QPSK



B4 / 10MHz / Low CH / 16QAM



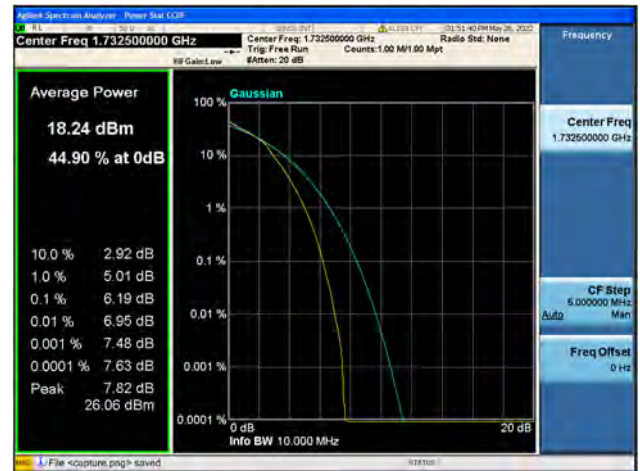
B4 / 10MHz / Low CH / 64QAM



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

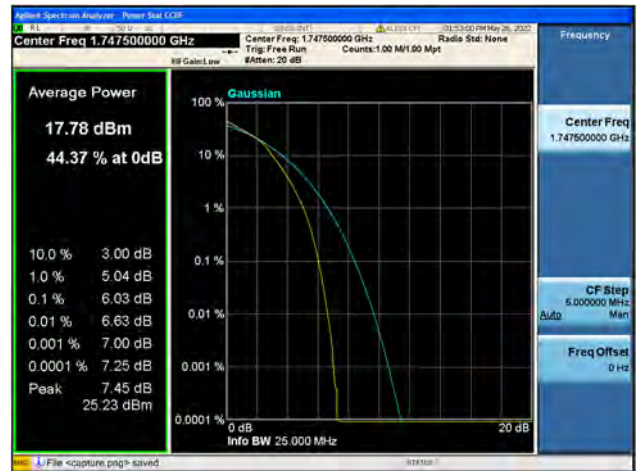




B4 / 15MHz / High CH / QPSK



B4 / 15MHz / High CH / 16QAM



B4 / 15MHz / High CH / 64QAM



B4 / 20MHz / Low CH / QPSK



B4 / 20MHz / Low CH / 16QAM



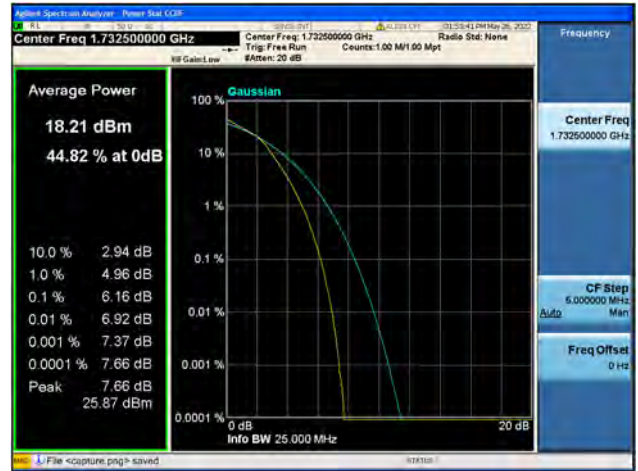
B4 / 20MHz / Low CH / 64QAM



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



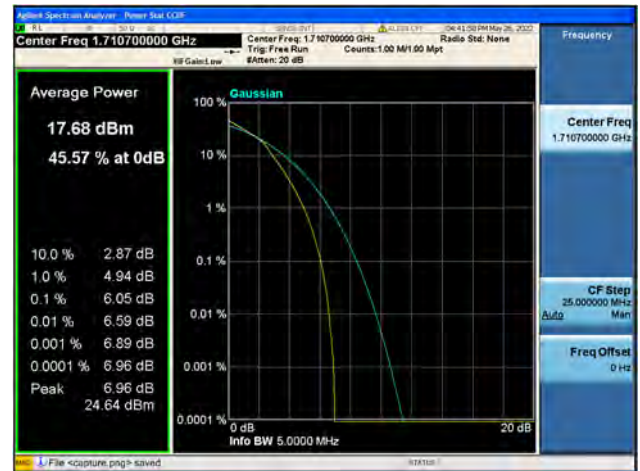
B4 / 20MHz / High CH / 64QAM



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

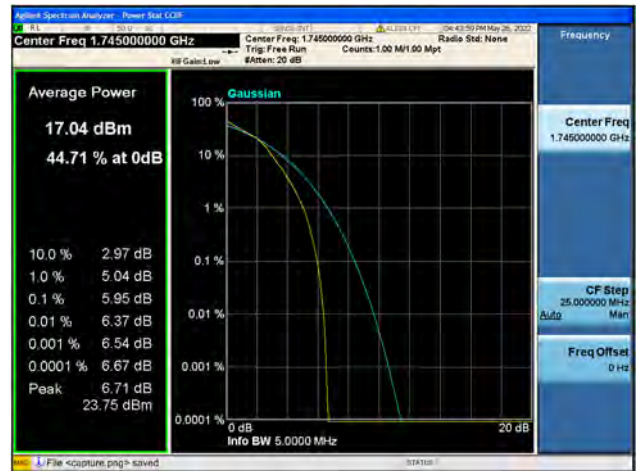




B66 / 3MHz / Mid CH / QPSK



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

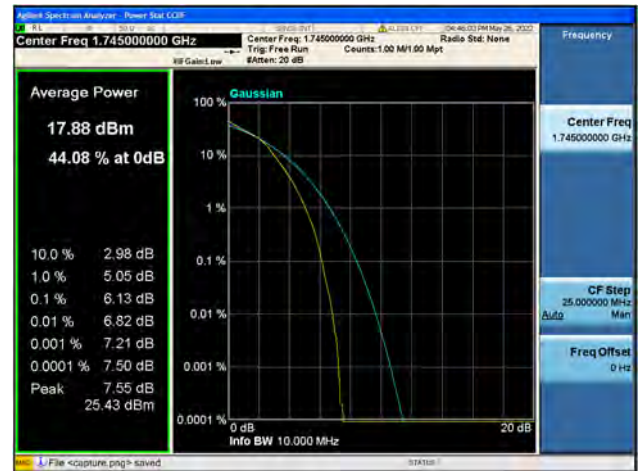




B66 / 10MHz / Mid CH / QPSK



B66 / 10MHz / Mid CH / 16QAM



B66 / 10MHz / Mid CH / 64QAM



B66 / 10MHz / High CH / QPSK



B66 / 10MHz / High CH / 16QAM



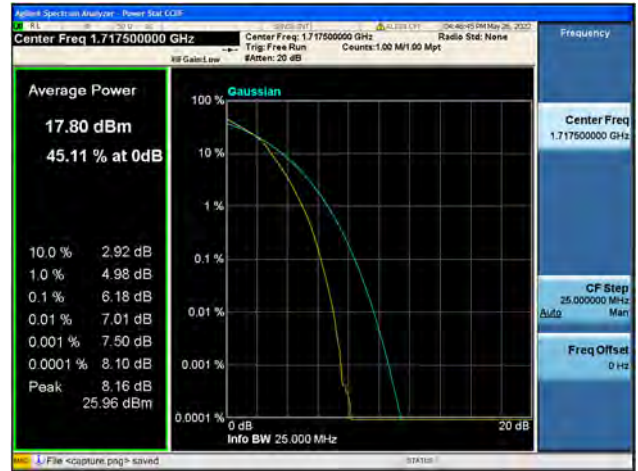
B66 / 10MHz / High CH / 64QAM



B66 / 15MHz / Low CH / QPSK



B66 / 15MHz / Low CH / 16QAM



B66 / 15MHz / Low CH / 64QAM



B66 / 15MHz / Mid CH / QPSK



B66 / 15MHz / Mid CH / 16QAM



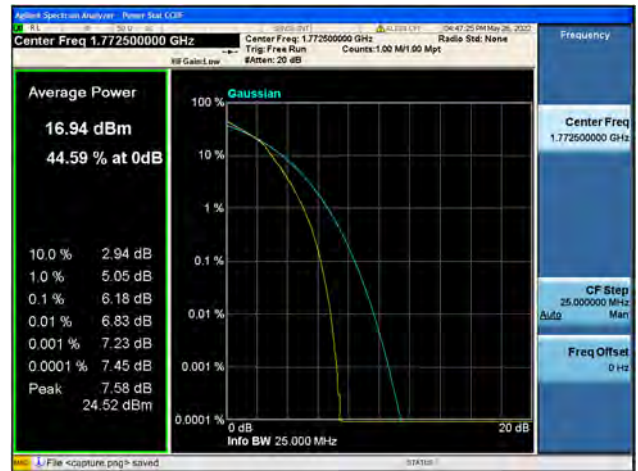
B66 / 15MHz / Mid CH / 64QAM



B66 / 15MHz / High CH / QPSK



B66 / 15MHz / High CH / 16QAM



B66 / 15MHz / High CH / 64QAM



B66 / 20MHz / Low CH / QPSK



B66 / 20MHz / Low CH / 16QAM



B66 / 20MHz / Low CH / 64QAM



B66 / 20MHz / Mid CH / QPSK



B66 / 20MHz / Mid CH / 16QAM



B66 / 20MHz / Mid CH / 64QAM



B66 / 20MHz / High CH / QPSK



B66 / 20MHz / High CH / 16QAM



B66 / 20MHz / High CH / 64QAM



2.5. Conducted Spurious Emissions

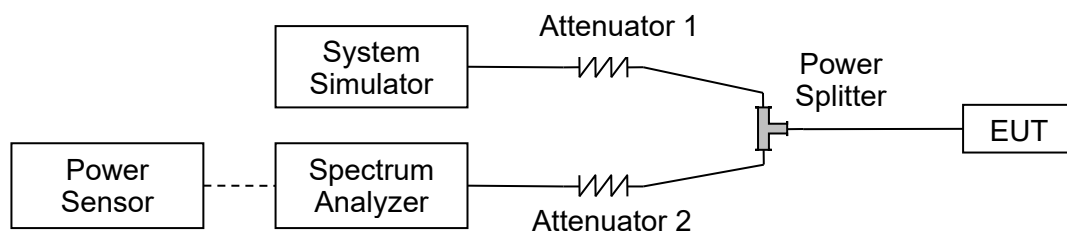
2.5.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

Additional requirement for LTE Band 7, 38:

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

2.5.2. 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.

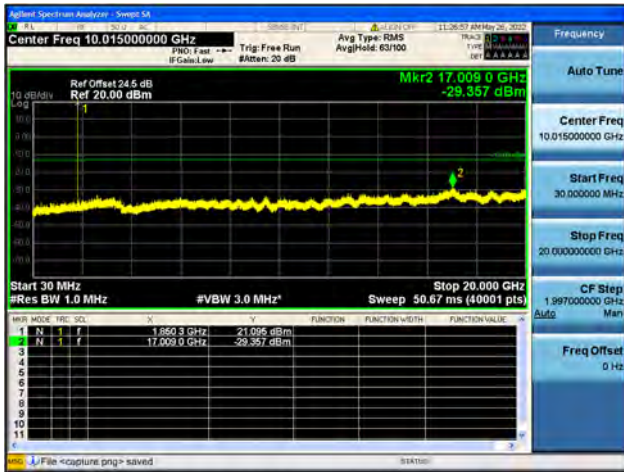
2.5.3. Test Procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

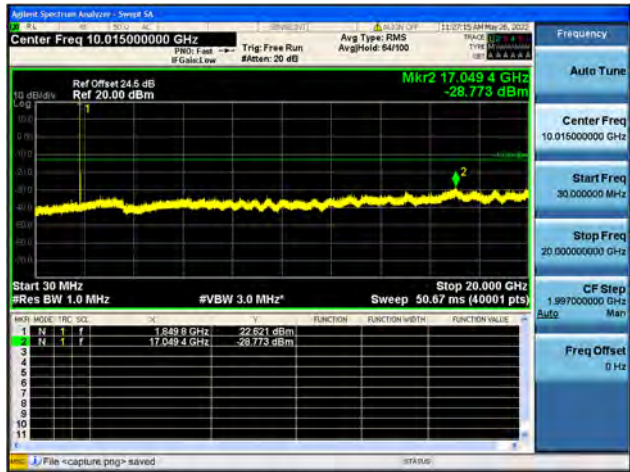


2.5.4. Test Result

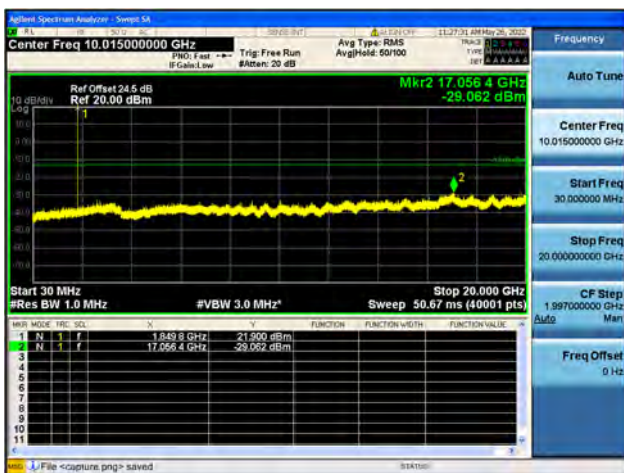
B2 / 1.4MHz / Low CH / QPSK



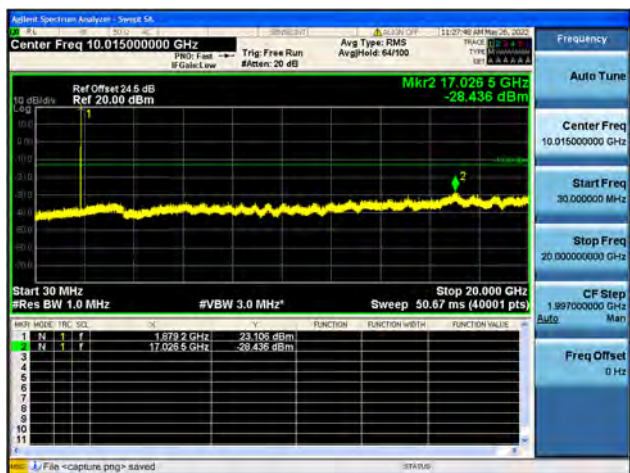
B2 / 1.4MHz / Low CH / 16QAM



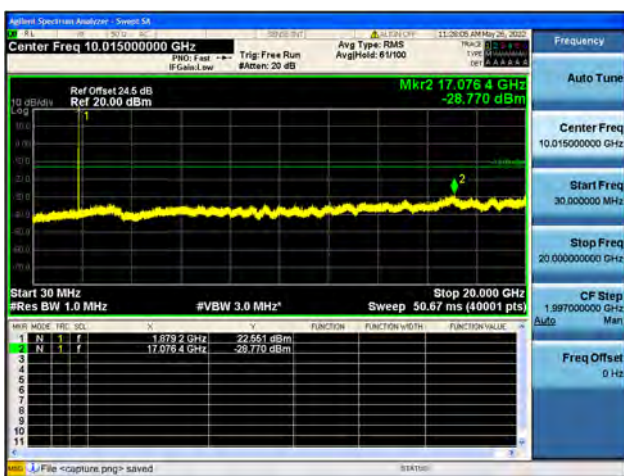
B2 / 1.4MHz / Low CH / 64QAM



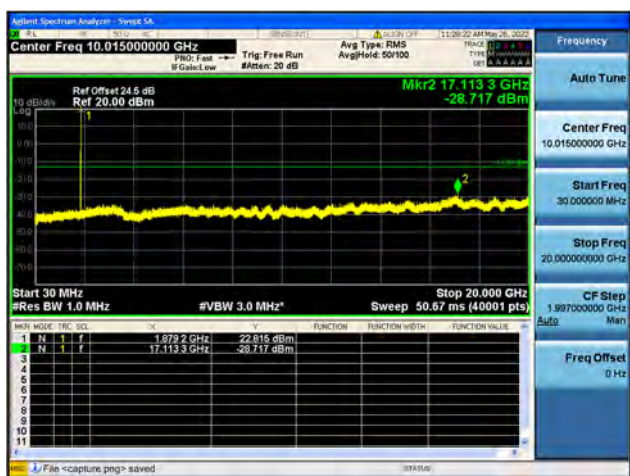
B2 / 1.4MHz / Mid CH / QPSK



B2 / 1.4MHz / Mid CH / 16QAM

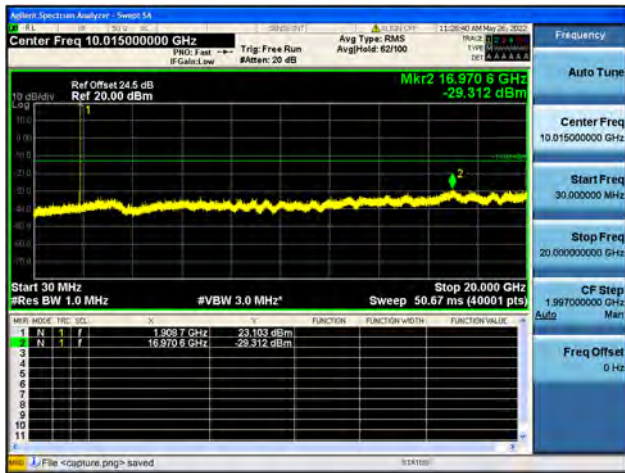


B2 / 1.4MHz / Mid CH / 64QAM

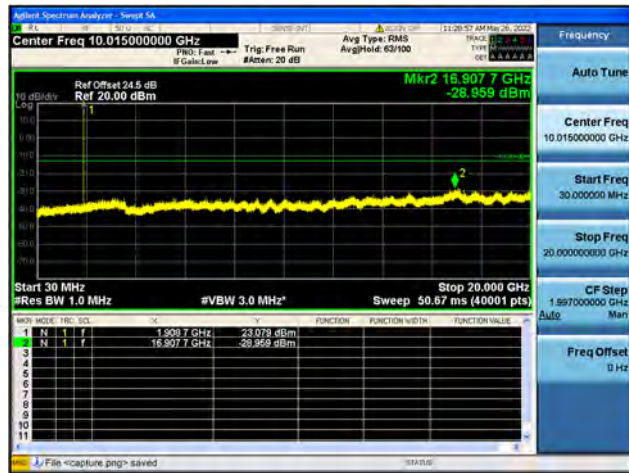




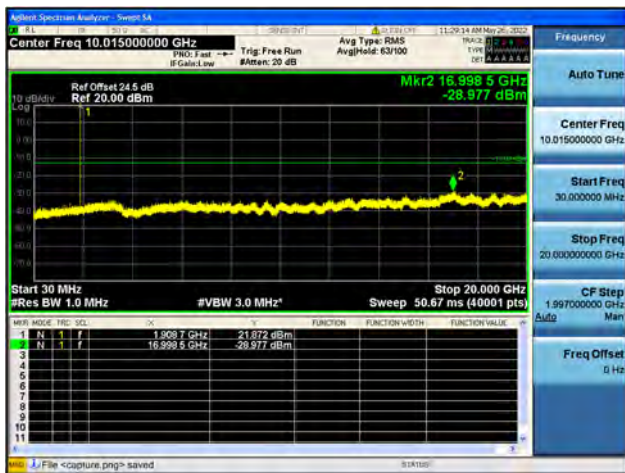
B2 / 1.4MHz / High CH / QPSK



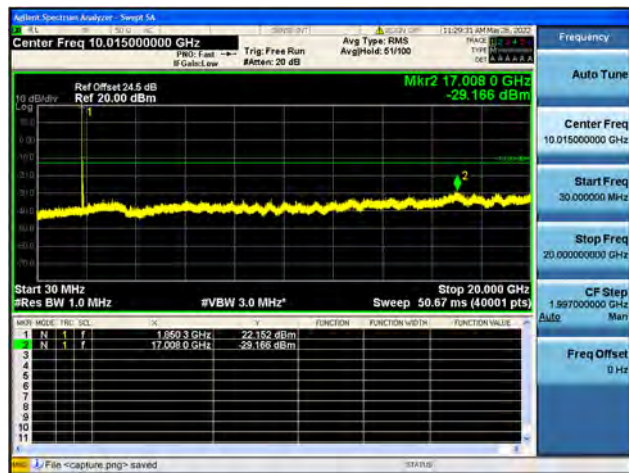
B2 / 1.4MHz / High CH / 16QAM



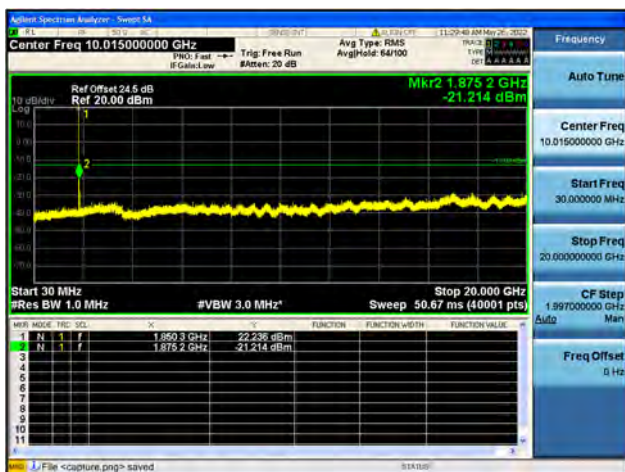
B2 / 1.4MHz / High CH / 64QAM



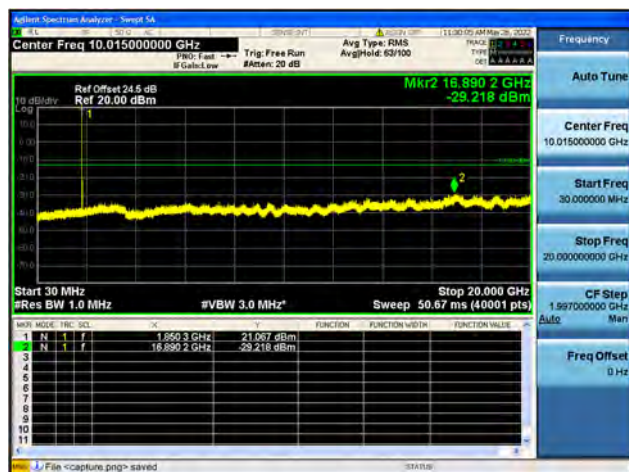
B2 / 3MHz / Low CH / QPSK



B2 / 3MHz / Low CH / 16QAM

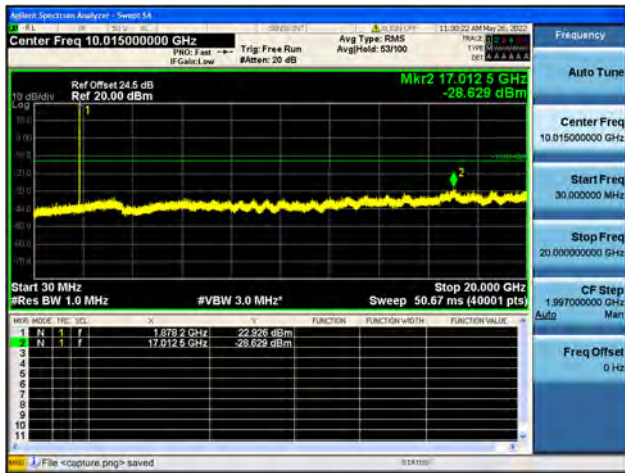


B2 / 3MHz / Low CH / 64QAM

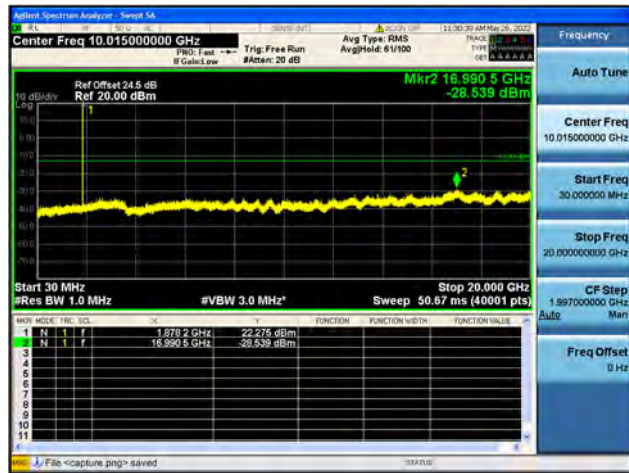




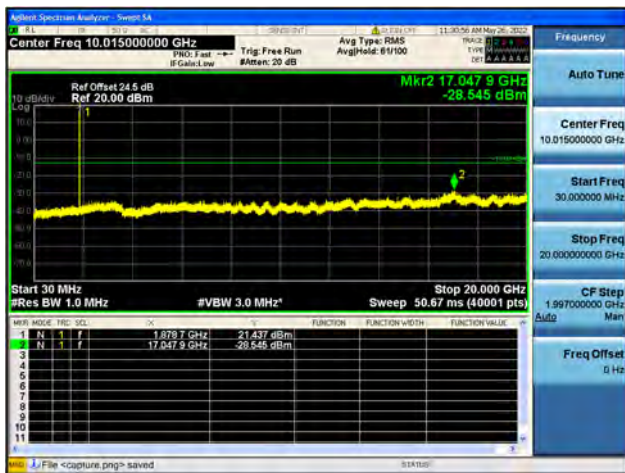
B2 / 3MHz / Mid CH / QPSK



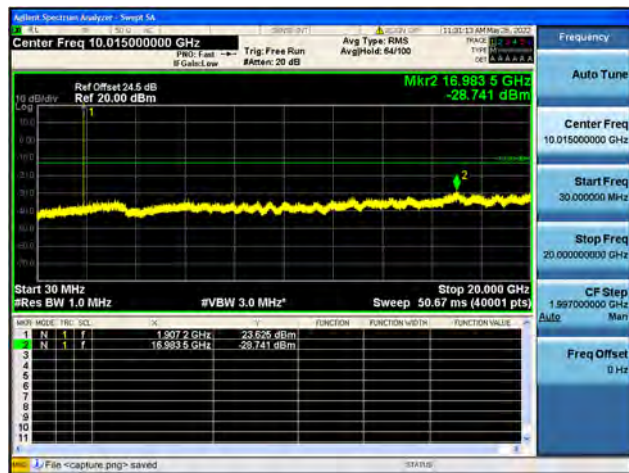
B2 / 3MHz / Mid CH / 16QAM



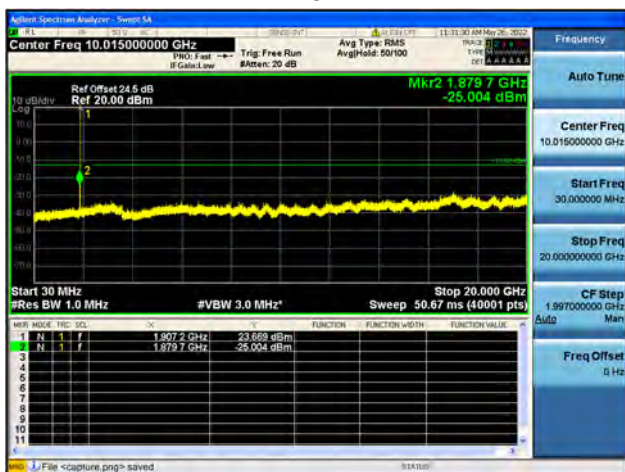
B2 / 3MHz / Mid CH / 64QAM



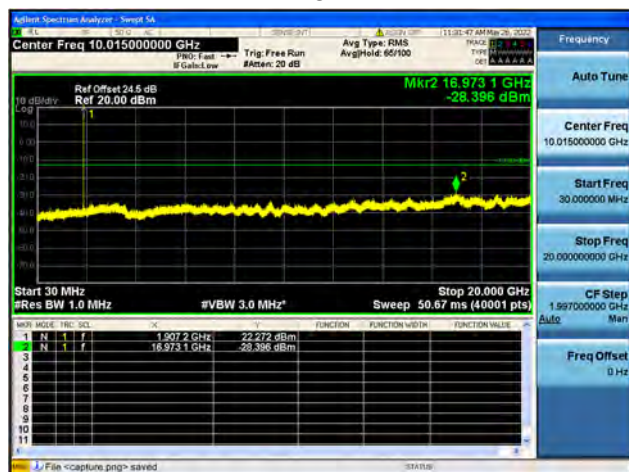
B2 / 3MHz / High CH / QPSK



B2 / 3MHz / High CH / 16QAM

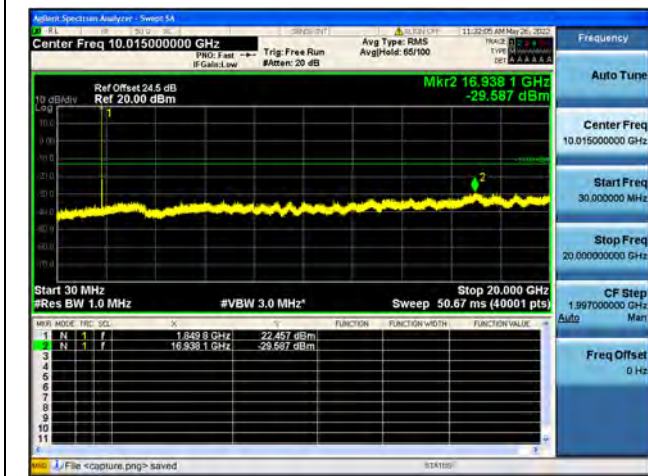


B2 / 3MHz / High CH / 64QAM

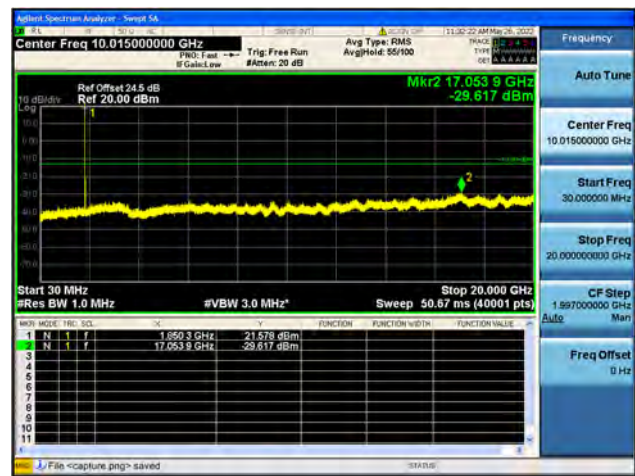




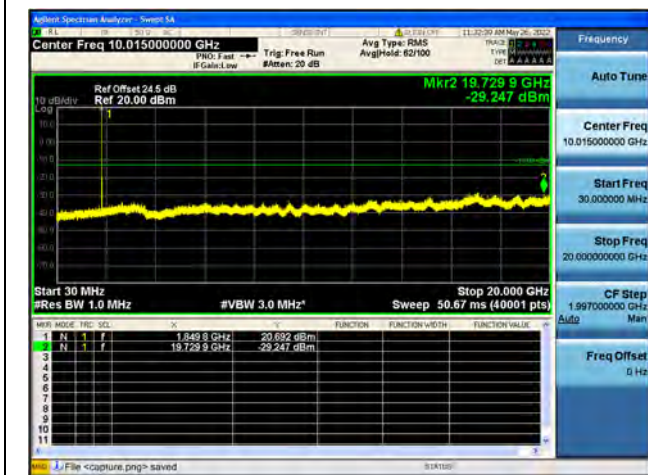
B2 / 5MHz / Low CH / QPSK



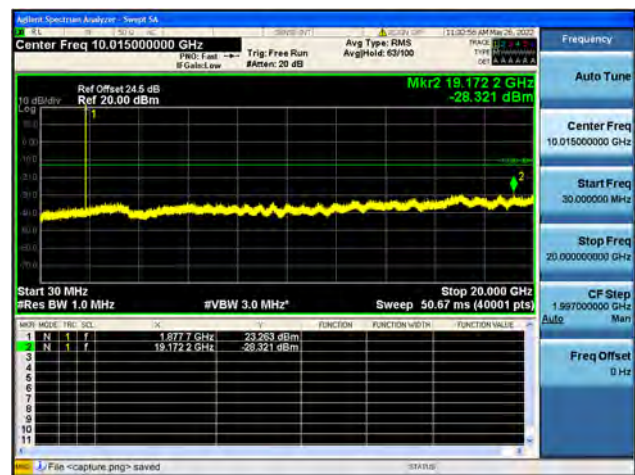
B2 / 5MHz / Low CH / 16QAM



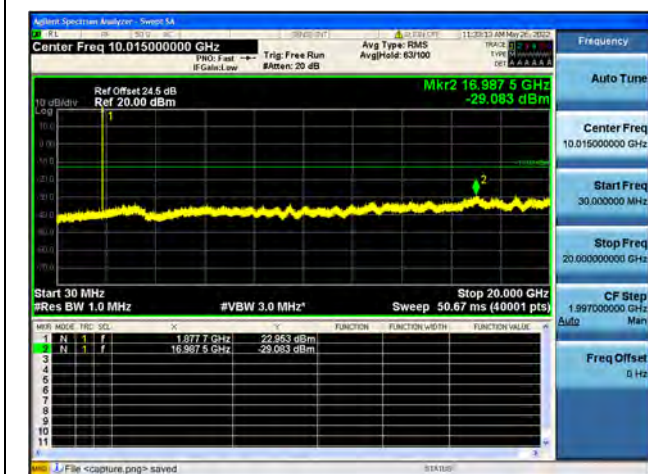
B2 / 5MHz / Low CH / 64QAM



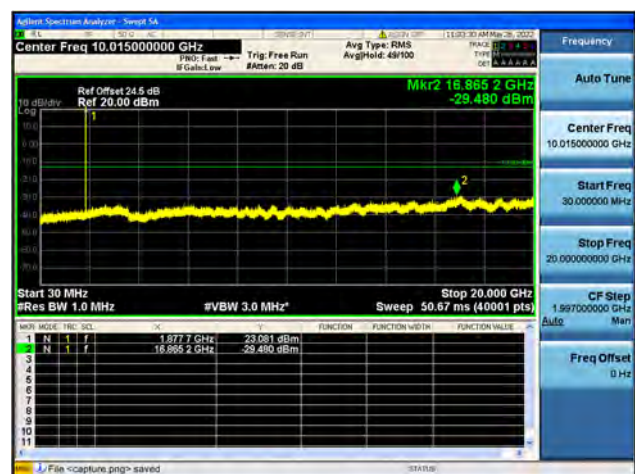
B2 / 5MHz / Mid CH / QPSK



B2 / 5MHz / Mid CH / 16QAM

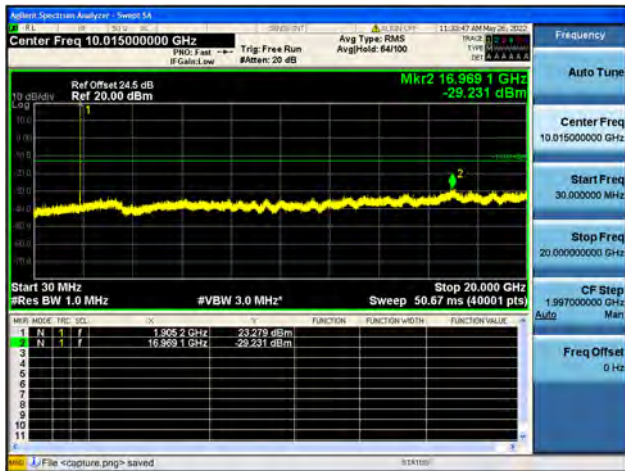


B2 / 5MHz / Mid CH / 64QAM

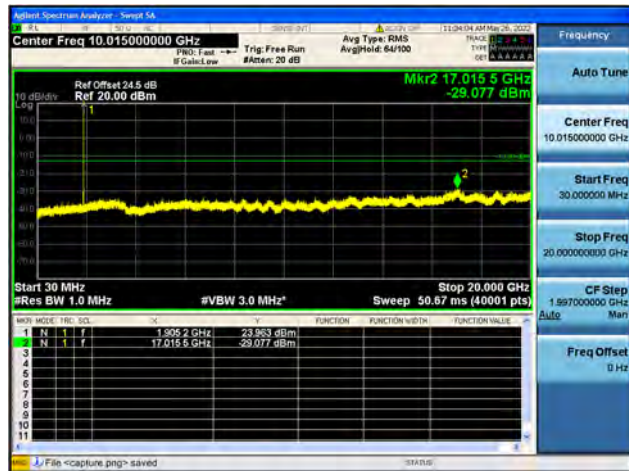




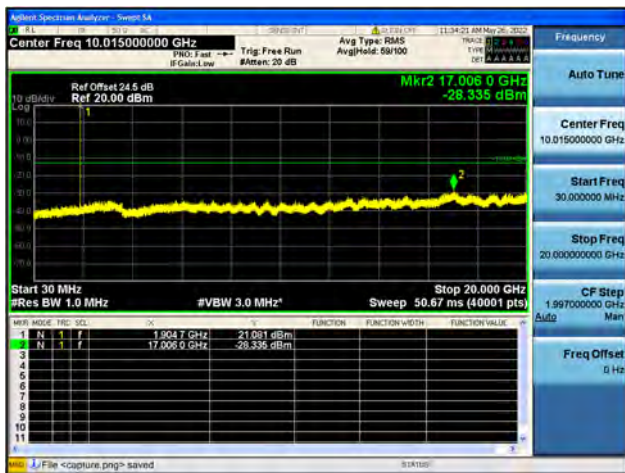
B2 / 5MHz / High CH / QPSK



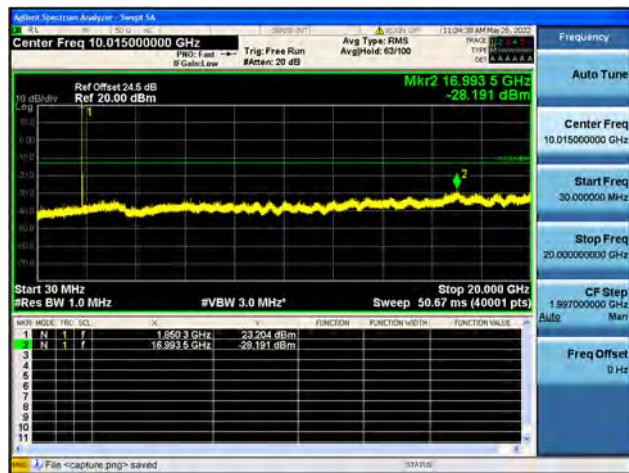
B2 / 5MHz / High CH / 16QAM



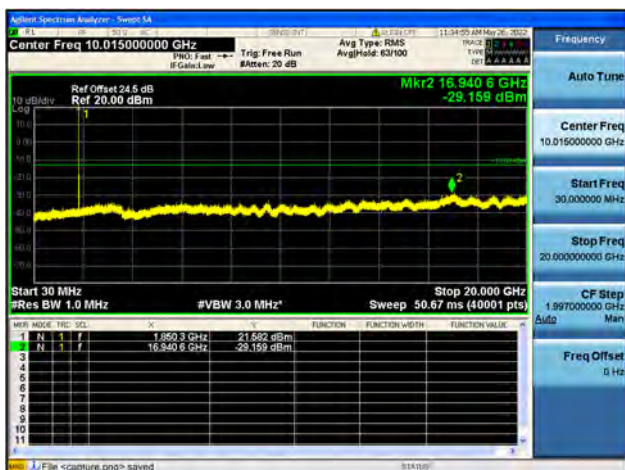
B2 / 5MHz / High CH / 64QAM



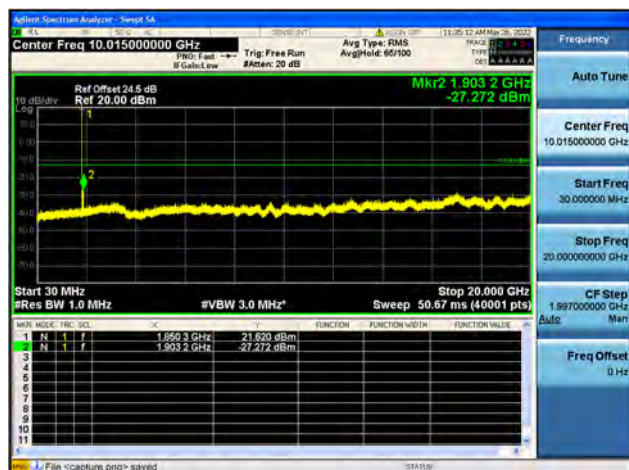
B2 / 10MHz / Low CH / QPSK



B2 / 10MHz / Low CH / 16QAM

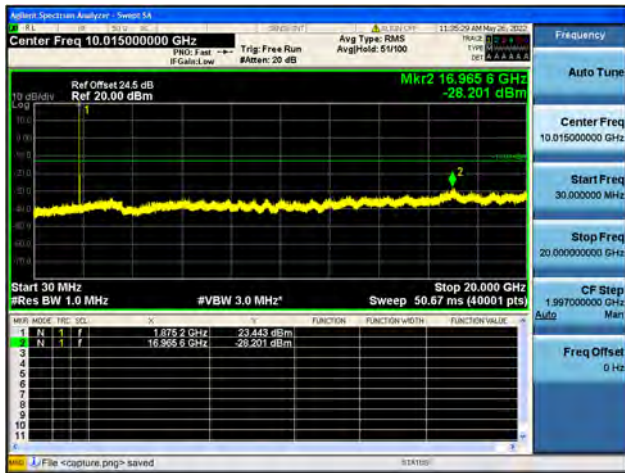


B2 / 10MHz / Low CH / 64QAM

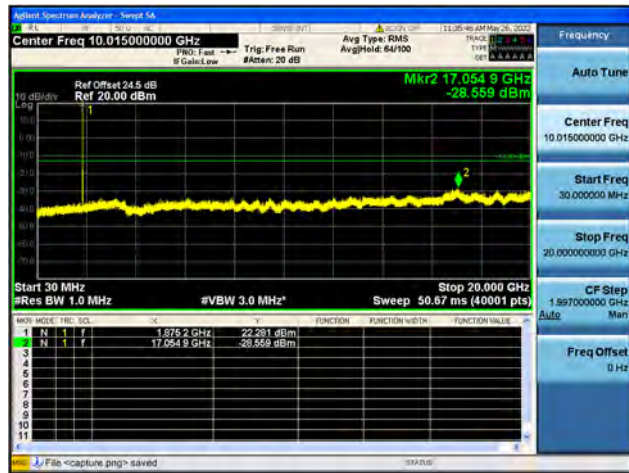




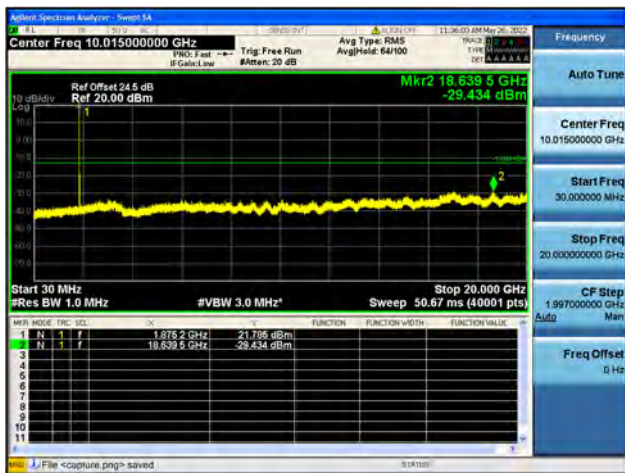
B2 / 10MHz / Mid CH / QPSK



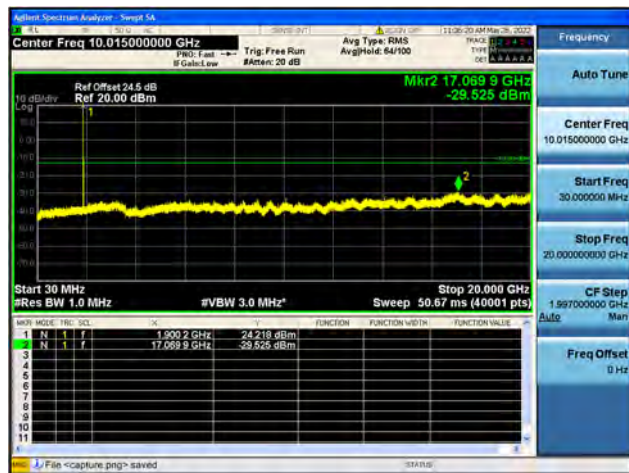
B2 / 10MHz / Mid CH / 16QAM



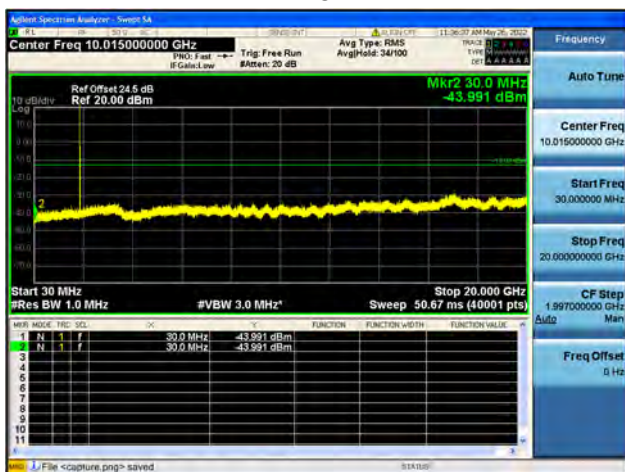
B2 / 10MHz / Mid CH / 64QAM



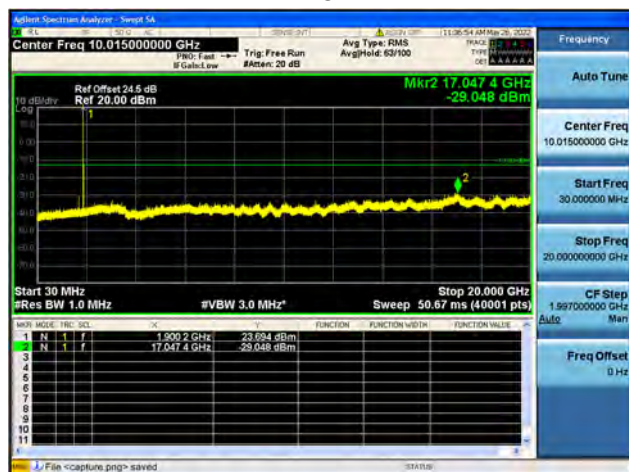
B2 / 10MHz / High CH / QPSK



B2 / 10MHz / High CH / 16QAM

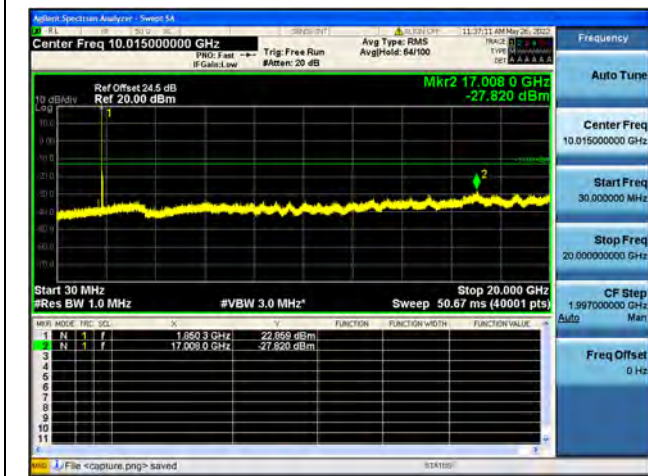


B2 / 10MHz / High CH / 64QAM

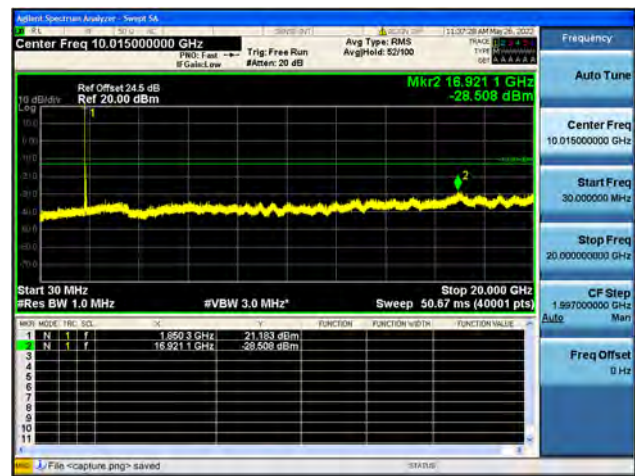




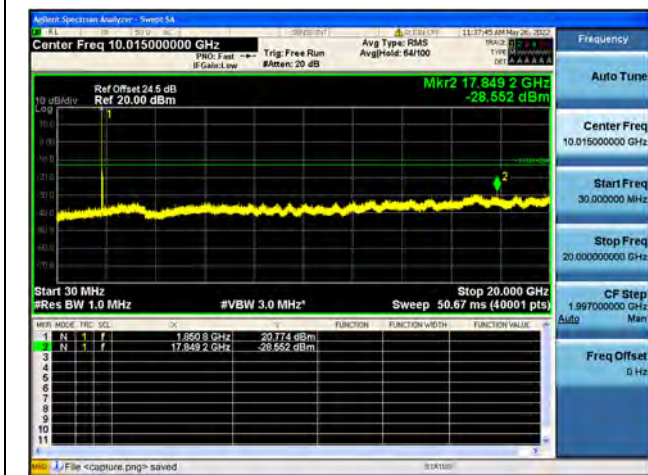
B2 / 15MHz / Low CH / QPSK



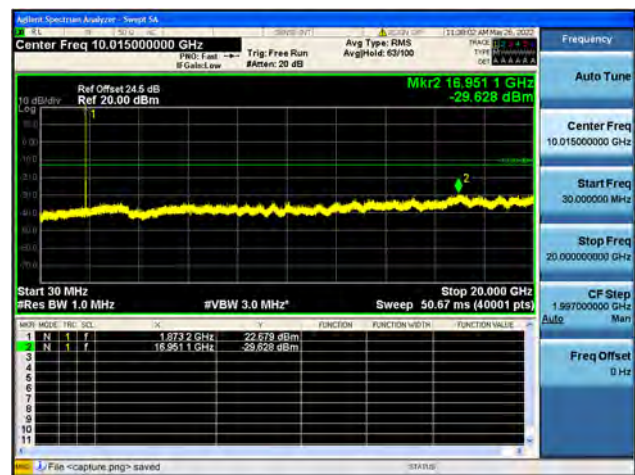
B2 / 15MHz / Low CH / 16QAM



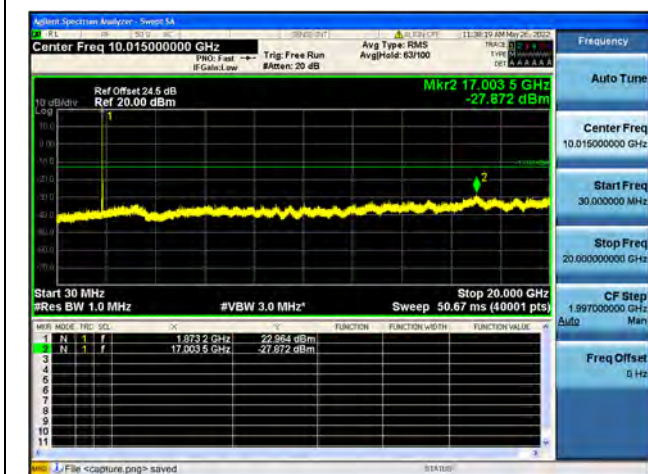
B2 / 15MHz / Low CH / 64QAM



B2 / 15MHz / Mid CH / QPSK



B2 / 15MHz / Mid CH / 16QAM



B2 / 15MHz / Mid CH / 64QAM

