



2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.80V, 4.35V and 3.50V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz					
Limit =Within Authorized Band					
Voltage(%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20 (Ref)	43	0.023	PASS
100		0	69	0.037	
100		+10	18	0.010	
100		+20	-76	-0.040	
100		+30	-86	-0.046	
100		+40	70	0.037	
100		+50	91	0.048	
100		+55	62	0.033	
115	4.35	+20	55	0.029	
85	3.50	+20	43	0.023	

LTE Band 4, QPSK, Channel 20175, Frequency 1732.5MHz					
Limit =Within Authorized Band					
Voltage(%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-58	-0.033	PASS
100		0	60	0.035	
100		+10	56	0.032	
100		+20	50	0.029	
100		+30	-97	-0.056	
100		+40	19	0.011	
100		+50	-33	-0.019	
100		+55	109	0.063	
115	4.35	+20	76	0.044	
85	3.50	+20	114	0.066	



LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	90	0.108	PASS
100		0	65	0.078	
100		+10	-64	-0.077	
100		+20	-75	-0.090	
100		+30	52	0.062	
100		+40	45	0.054	
100		+50	-37	-0.044	
100		+55	109	0.130	
115	4.35	+20	-66	-0.079	
85	3.50	+20	79	0.094	

LTE Band 7, QPSK, Channel 21100, Frequency 2535MHz Limit= Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-58	-0.023	PASS
100		0	-59	-0.023	
100		+10	-43	-0.017	
100		+20	67	0.026	
100		+30	58	0.023	
100		+40	53	0.021	
100		+50	88	0.035	
100		+55	21	0.008	
115	4.35	+20	43	0.017	
85	3.50	+20	102	0.040	



LTE Band 12, QPSK, Channel 23095, Frequency 707.5MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-94	-0.133	PASS
100		0	-91	-0.129	
100		+10	23	0.033	
100		+20	-65	-0.092	
100		+30	46	0.065	
100		+40	75	0.106	
100		+50	62	0.088	
100		+55	21	0.030	
115	4.35	+20	-43	-0.061	
85	3.50	+20	74	0.105	

LTE Band 17, QPSK, Channel 23790, Frequency 710MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	54	0.076	PASS
100		0	78	0.110	
100		+10	65	0.092	
100		+20	-59	-0.083	
100		+30	-26	-0.037	
100		+40	84	0.118	
100		+50	77	0.108	
100		+55	49	0.069	
115	4.35	+20	116	0.163	
85	3.50	+20	27	0.038	



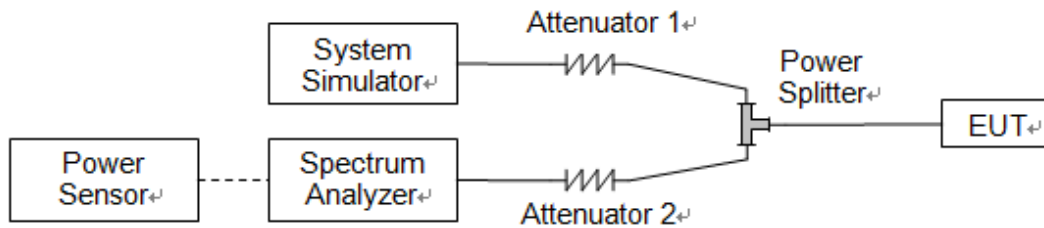
LTE Band 38, QPSK, Channel 38000, Frequency 2595MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.80	+20(Ref)	-33	-0.013	PASS
100		0	43	0.017	
100		+10	-63	-0.024	
100		+20	79	0.030	
100		+30	27	0.010	
100		+40	-88	-0.034	
100		+50	94	0.036	
100		+55	-64	-0.025	
115		4.35	+20	56	
85	3.50	+20	61	0.024	

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 50 Ohm; 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	5.69	<=13	PASS
	Low	16QAM	6.69	<=13	PASS
	Low	64QAM	6.54	<=13	PASS
	Mid	QPSK	5.84	<=13	PASS
	Mid	16QAM	6.69	<=13	PASS
	Mid	64QAM	6.5	<=13	PASS
	High	QPSK	5.6	<=13	PASS
	High	16QAM	6.58	<=13	PASS
	High	64QAM	6.45	<=13	PASS
3	Low	QPSK	5.93	<=13	PASS
	Low	16QAM	6.72	<=13	PASS
	Low	64QAM	6.48	<=13	PASS
	Mid	QPSK	5.74	<=13	PASS
	Mid	16QAM	6.62	<=13	PASS
	Mid	64QAM	6.49	<=13	PASS
	High	QPSK	5.68	<=13	PASS
	High	16QAM	6.59	<=13	PASS
	High	64QAM	6.49	<=13	PASS
5	Low	QPSK	10.18	<=13	PASS
	Low	16QAM	9.09	<=13	PASS
	Low	64QAM	6.74	<=13	PASS
	Mid	QPSK	6.17	<=13	PASS
	Mid	16QAM	6.55	<=13	PASS
	Mid	64QAM	6.67	<=13	PASS
	High	QPSK	5.53	<=13	PASS
	High	16QAM	6.38	<=13	PASS
	High	64QAM	6.29	<=13	PASS
10	Low	QPSK	6.66	<=13	PASS
	Low	16QAM	6.48	<=13	PASS
	Low	64QAM	6.49	<=13	PASS
	Mid	QPSK	5.87	<=13	PASS
	Mid	16QAM	6.48	<=13	PASS
	Mid	64QAM	6.52	<=13	PASS
	High	QPSK	9.28	<=13	PASS
	High	16QAM	6.38	<=13	PASS
	High	64QAM	10.07	<=13	PASS



15	Low	QPSK	5.77	<=13	PASS
	Low	16QAM	6.46	<=13	PASS
	Low	64QAM	9.88	<=13	PASS
	Mid	QPSK	6.14	<=13	PASS
	Mid	16QAM	6.48	<=13	PASS
	Mid	64QAM	6.41	<=13	PASS
	High	QPSK	5.63	<=13	PASS
	High	16QAM	6.34	<=13	PASS
	High	64QAM	6.68	<=13	PASS
20	Low	QPSK	5.76	<=13	PASS
	Low	16QAM	6.48	<=13	PASS
	Low	64QAM	6.46	<=13	PASS
	Mid	QPSK	6.29	<=13	PASS
	Mid	16QAM	6.92	<=13	PASS
	Mid	64QAM	6.72	<=13	PASS
	High	QPSK	5.67	<=13	PASS
	High	16QAM	6.39	<=13	PASS
	High	64QAM	6.35	<=13	PASS



LTE Band 4					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	5.75	<=13	PASS
	Low	16QAM	6.85	<=13	PASS
	Low	64QAM	6.58	<=13	PASS
	Mid	QPSK	6.0	<=13	PASS
	Mid	16QAM	6.78	<=13	PASS
	Mid	64QAM	6.6	<=13	PASS
	High	QPSK	5.87	<=13	PASS
	High	16QAM	6.75	<=13	PASS
	High	64QAM	6.6	<=13	PASS
3	Low	QPSK	5.9	<=13	PASS
	Low	16QAM	6.85	<=13	PASS
	Low	64QAM	6.67	<=13	PASS
	Mid	QPSK	6.48	<=13	PASS
	Mid	16QAM	7.75	<=13	PASS
	Mid	64QAM	7.03	<=13	PASS
	High	QPSK	5.82	<=13	PASS
	High	16QAM	6.7	<=13	PASS
	High	64QAM	6.62	<=13	PASS
5	Low	QPSK	5.83	<=13	PASS
	Low	16QAM	6.62	<=13	PASS
	Low	64QAM	6.39	<=13	PASS
	Mid	QPSK	6.0	<=13	PASS
	Mid	16QAM	6.62	<=13	PASS
	Mid	64QAM	6.46	<=13	PASS
	High	QPSK	5.82	<=13	PASS
	High	16QAM	6.54	<=13	PASS
	High	64QAM	6.42	<=13	PASS
10	Low	QPSK	6.02	<=13	PASS
	Low	16QAM	8.09	<=13	PASS
	Low	64QAM	6.7	<=13	PASS
	Mid	QPSK	5.96	<=13	PASS
	Mid	16QAM	6.55	<=13	PASS
	Mid	64QAM	6.53	<=13	PASS
	High	QPSK	5.91	<=13	PASS
	High	16QAM	8.5	<=13	PASS
	High	64QAM	6.54	<=13	PASS



15	Low	QPSK	7.83	<=13	PASS
	Low	16QAM	7.03	<=13	PASS
	Low	64QAM	6.87	<=13	PASS
	Mid	QPSK	5.88	<=13	PASS
	Mid	16QAM	6.53	<=13	PASS
	Mid	64QAM	6.56	<=13	PASS
	High	QPSK	5.84	<=13	PASS
	High	16QAM	7.05	<=13	PASS
	High	64QAM	6.52	<=13	PASS
20	Low	QPSK	5.86	<=13	PASS
	Low	16QAM	6.62	<=13	PASS
	Low	64QAM	8.11	<=13	PASS
	Mid	QPSK	5.82	<=13	PASS
	Mid	16QAM	6.58	<=13	PASS
	Mid	64QAM	6.51	<=13	PASS
	High	QPSK	6.22	<=13	PASS
	High	16QAM	7.37	<=13	PASS
	High	64QAM	6.92	<=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



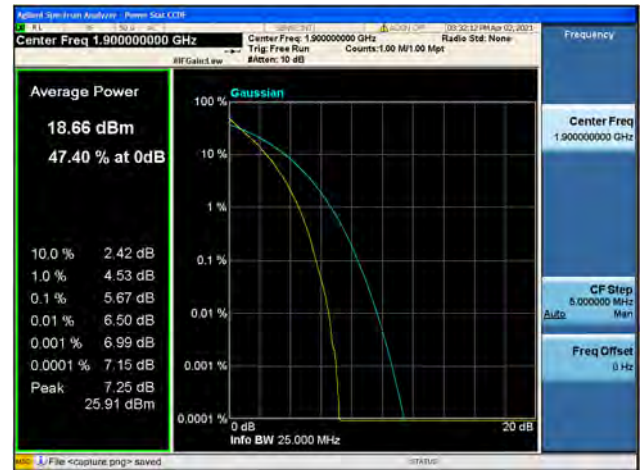
Band2 / 20MHz / Mid CH / 16QAM



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



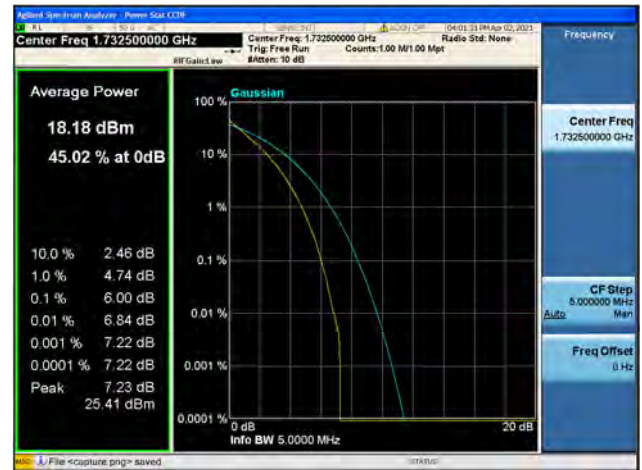
Band4 / 1.4MHz / Low CH / 16QAM



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



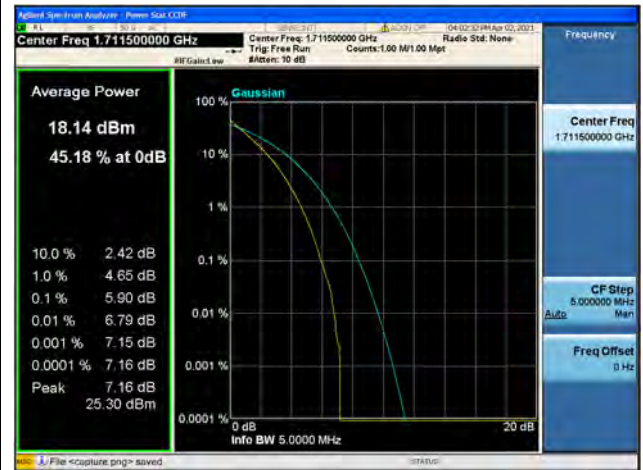
Band4 / 1.4MHz / High CH / 16QAM



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



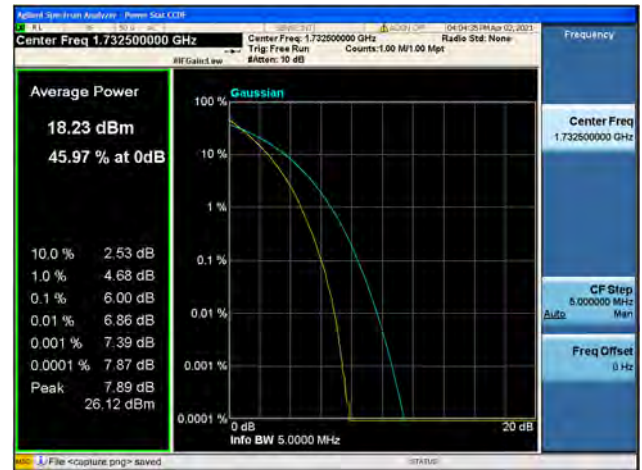
Band4 / 5MHz / Low CH / 16QAM



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

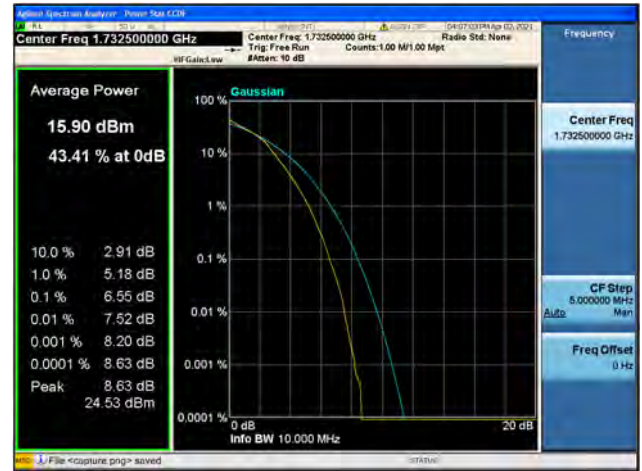




Band4 / 10MHz / Mid CH / QPSK



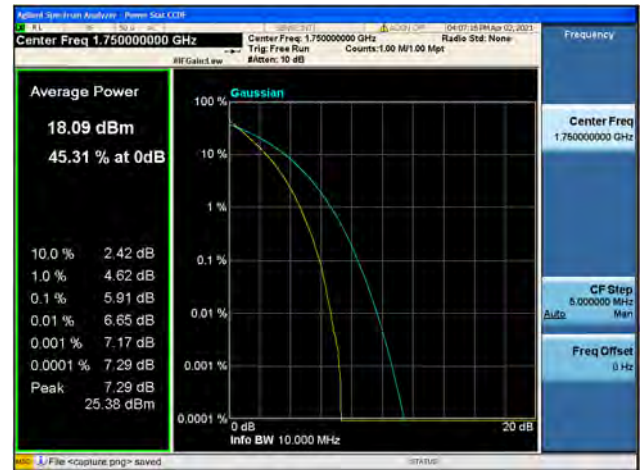
Band4 / 10MHz / Mid CH / 16QAM



Band4 / 10MHz / Mid CH / 64QAM



Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM



Band4 / 10MHz / High CH / 64QAM





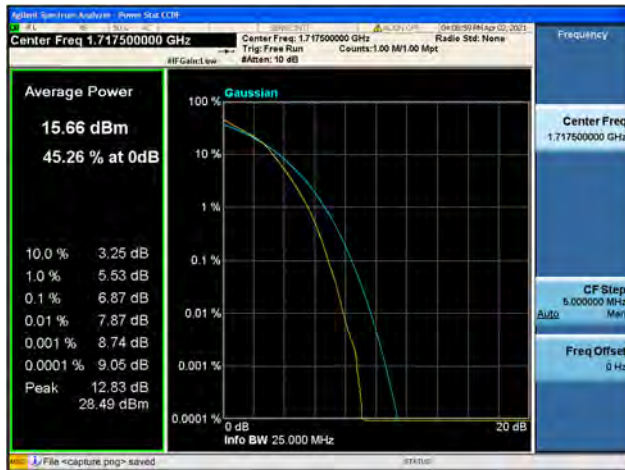
Band4 / 15MHz / Low CH / QPSK



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



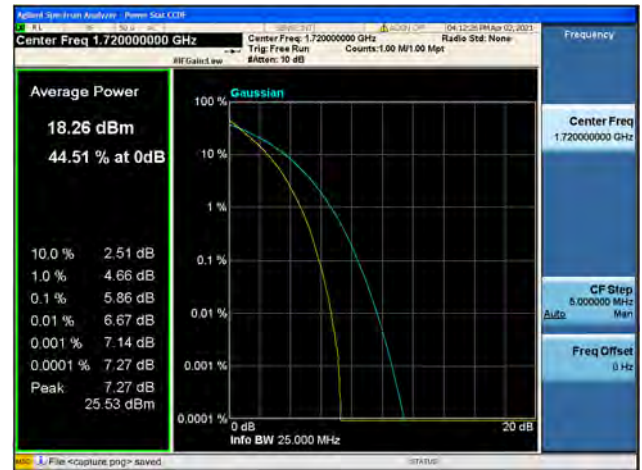
Band4 / 15MHz / High CH / 16QAM



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



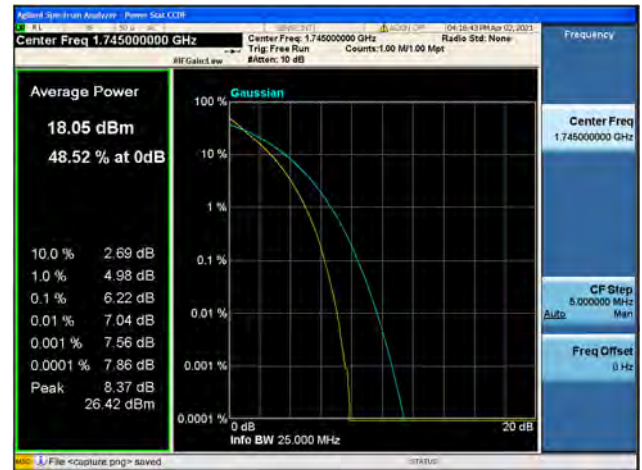
Band4 / 20MHz / Mid CH / 16QAM



Band4 / 20MHz / Mid CH / 64QAM



Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



Band4 / 20MHz / High CH / 64QAM



2.5. Conducted Spurious Emissions

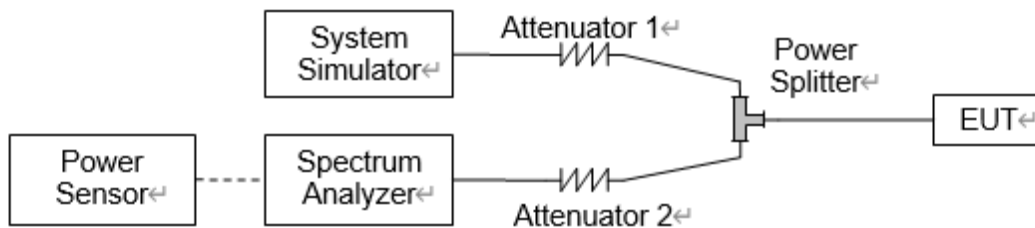
2.5.1. Requirement

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



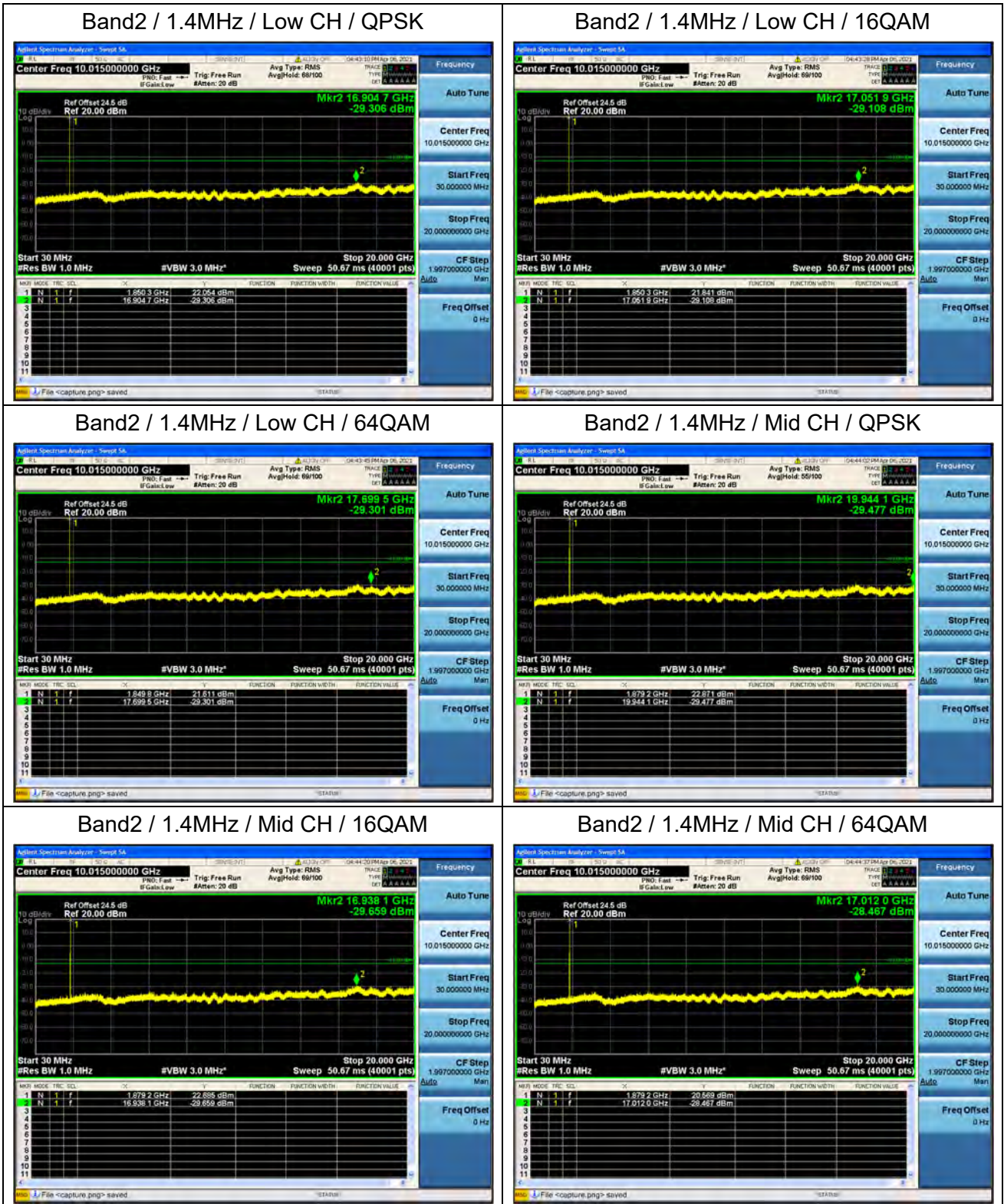
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum 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.

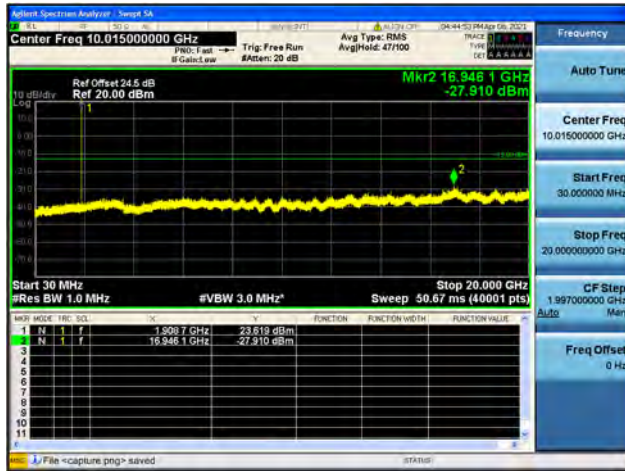


2.5.4. Test Result

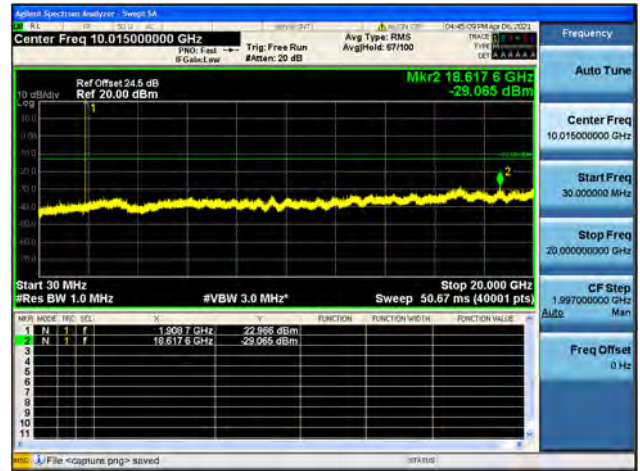




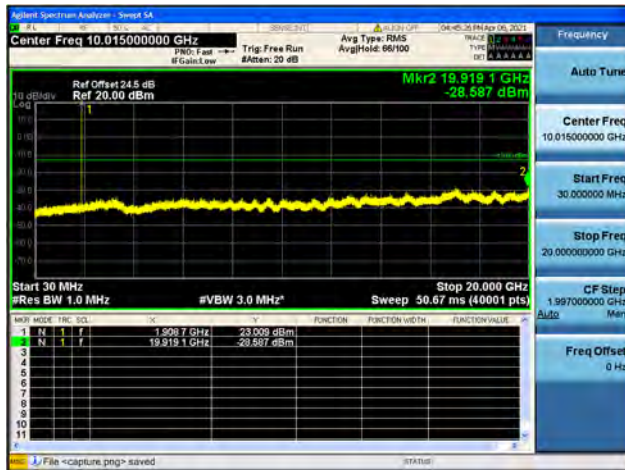
Band2 / 1.4MHz / High CH / QPSK



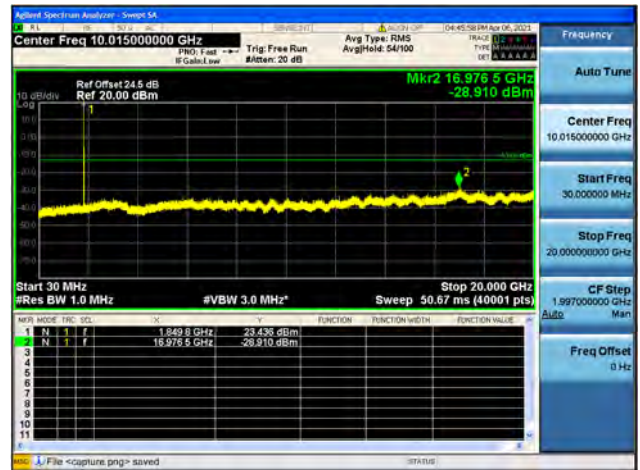
Band2 / 1.4MHz / High CH / 16QAM



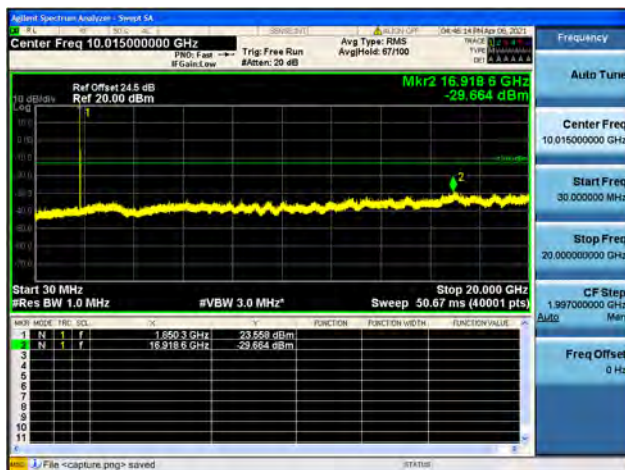
Band2 / 1.4MHz / High CH / 64QAM



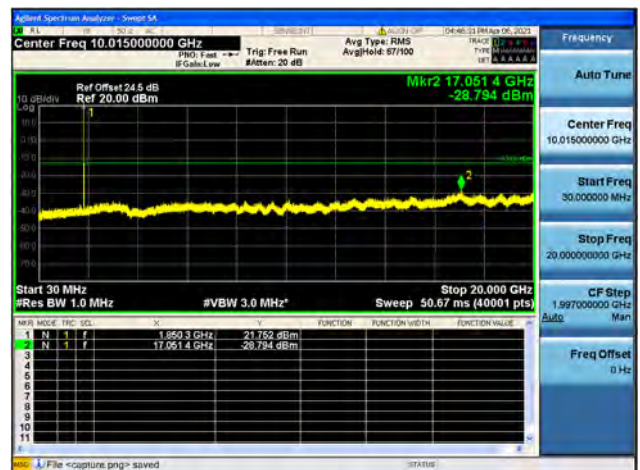
Band2 / 3MHz / Low CH / QPSK



Band2 / 3MHz / Low CH / 16QAM

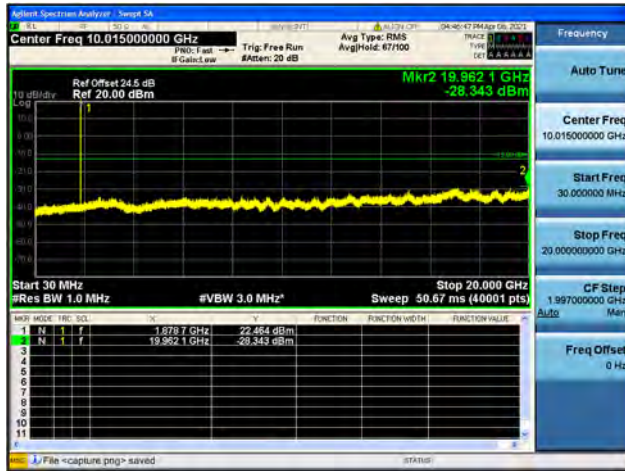


Band2 / 3MHz / Low CH / 64QAM





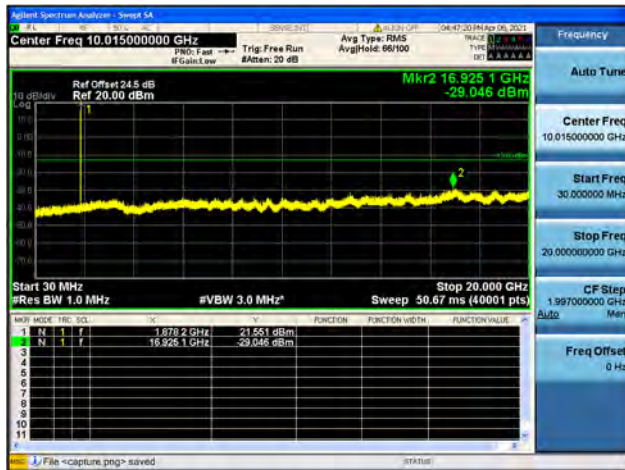
Band2 / 3MHz / Mid CH / QPSK



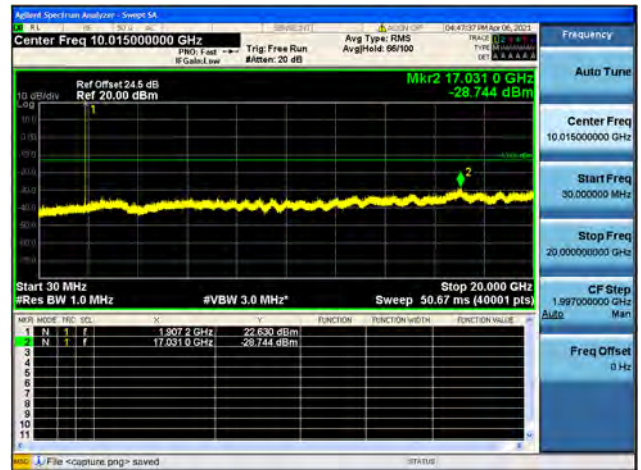
Band2 / 3MHz / Mid CH / 16QAM



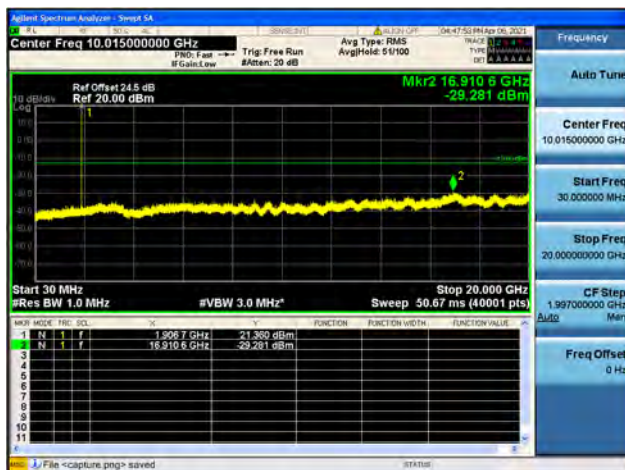
Band2 / 3MHz / Mid CH / 64QAM



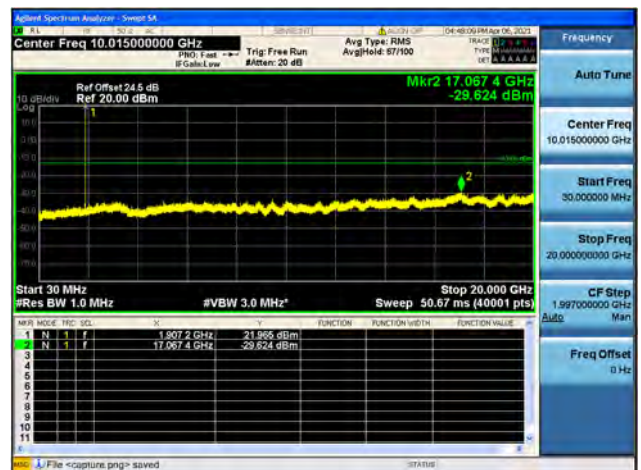
Band2 / 3MHz / High CH / QPSK



Band2 / 3MHz / High CH / 16QAM

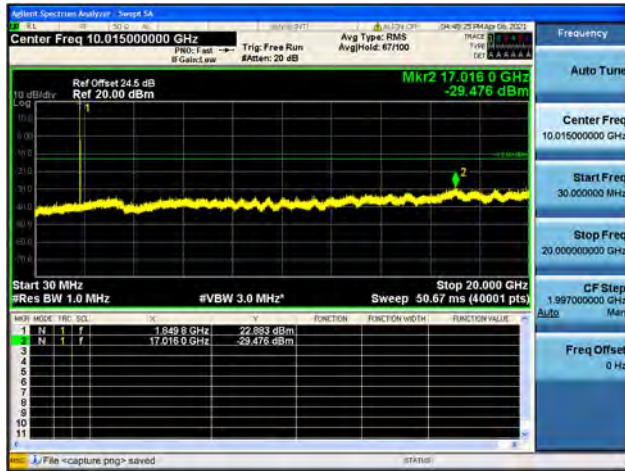


Band2 / 3MHz / High CH / 64QAM

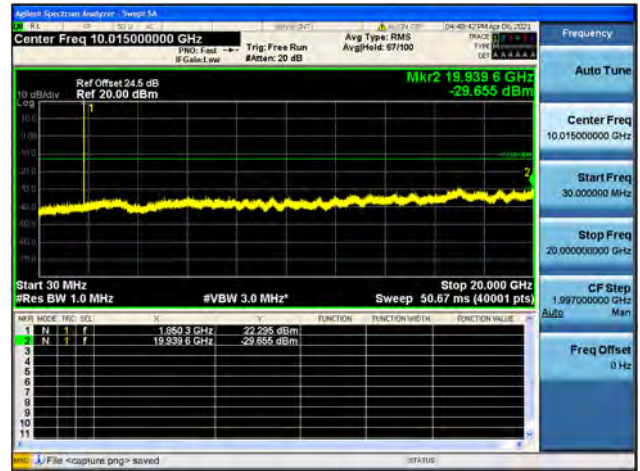




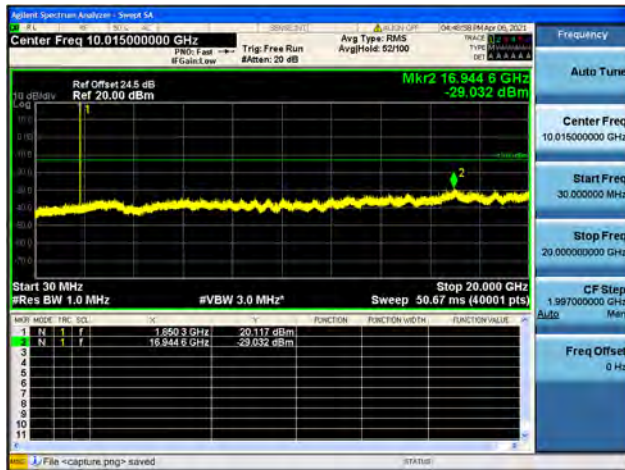
Band2 / 5MHz / Low CH / QPSK



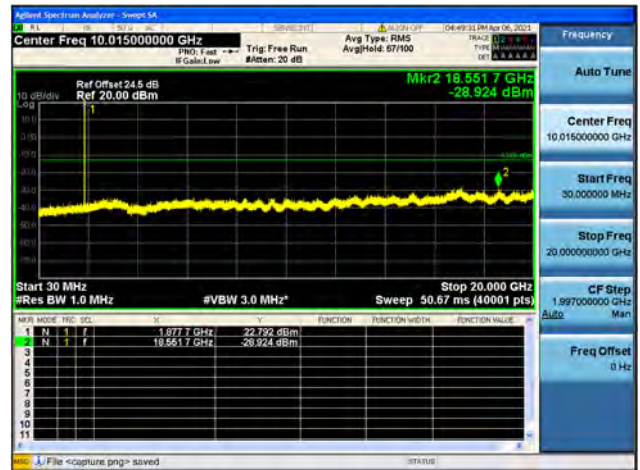
Band2 / 5MHz / Low CH / 16QAM



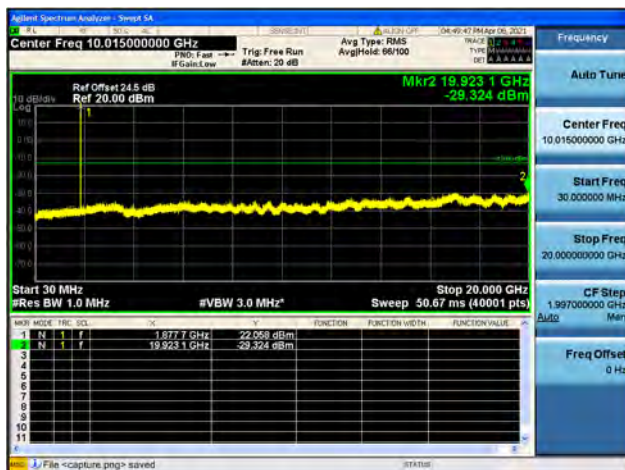
Band2 / 5MHz / Low CH / 64QAM



Band2 / 5MHz / Mid CH / QPSK



Band2 / 5MHz / Mid CH / 16QAM

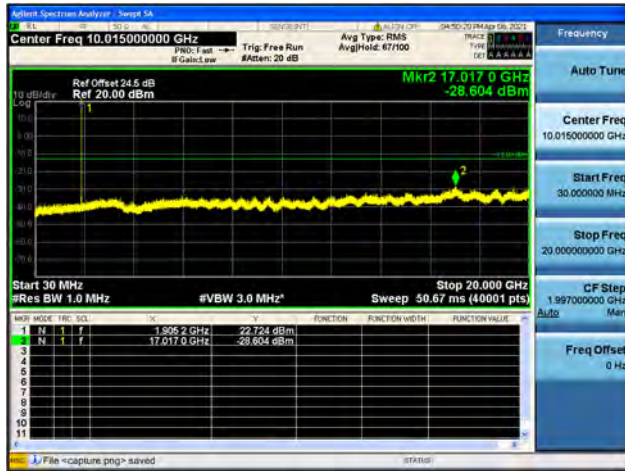


Band2 / 5MHz / Mid CH / 64QAM





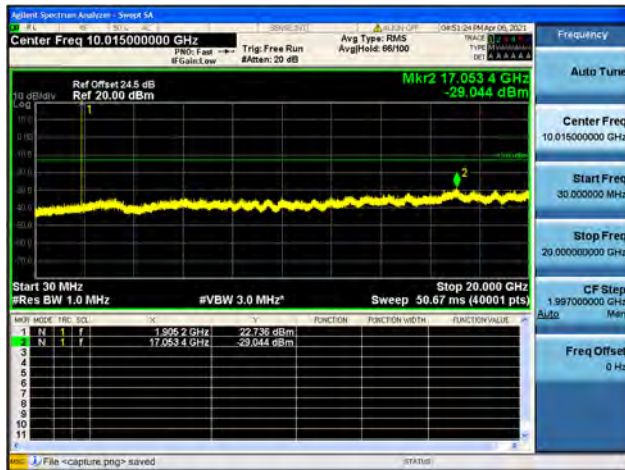
Band2 / 5MHz / High CH / QPSK



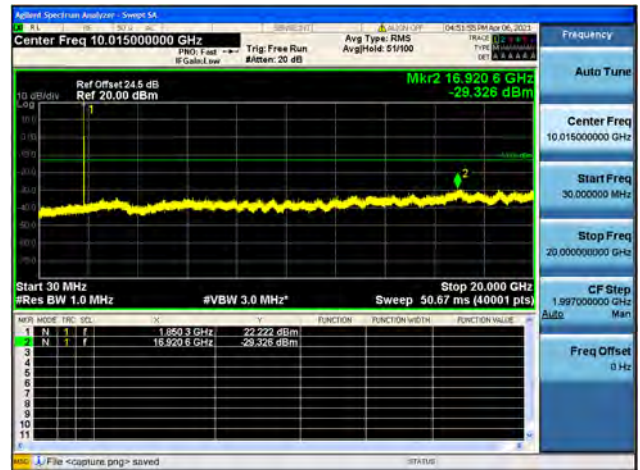
Band2 / 5MHz / High CH / 16QAM



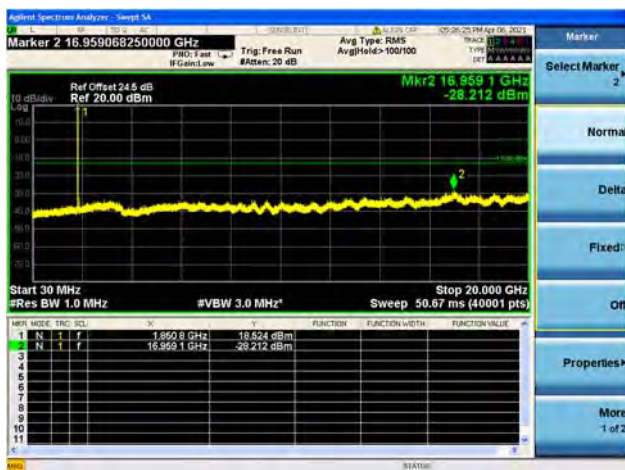
Band2 / 5MHz / High CH / 64QAM



Band2 / 10MHz / Low CH / QPSK



Band2 / 10MHz / Low CH / 16QAM

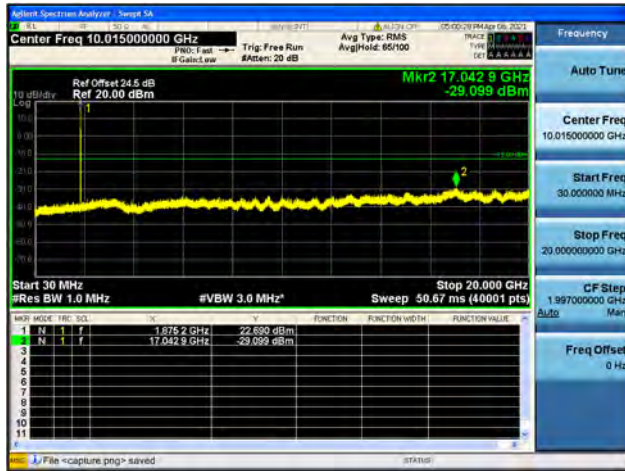


Band2 / 10MHz / Low CH / 64QAM





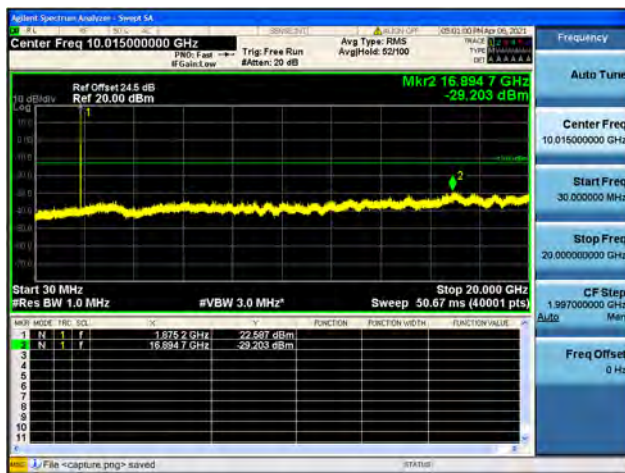
Band2 / 10MHz / Mid CH / QPSK



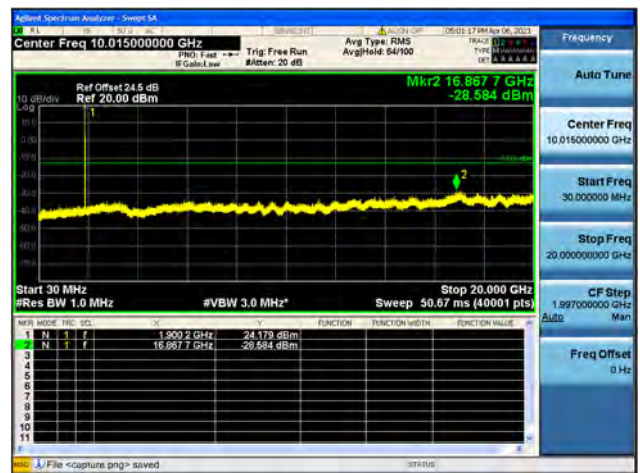
Band2 / 10MHz / Mid CH / 16QAM



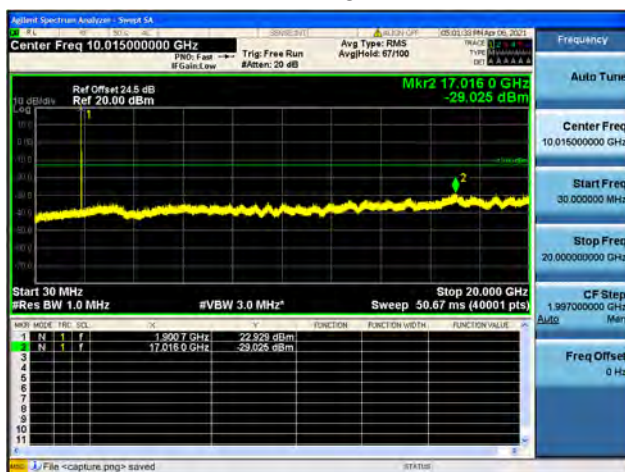
Band2 / 10MHz / Mid CH / 64QAM



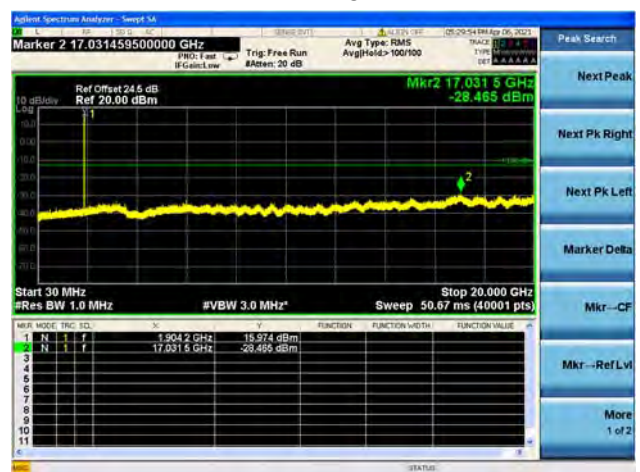
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM



Band2 / 10MHz / High CH / 64QAM

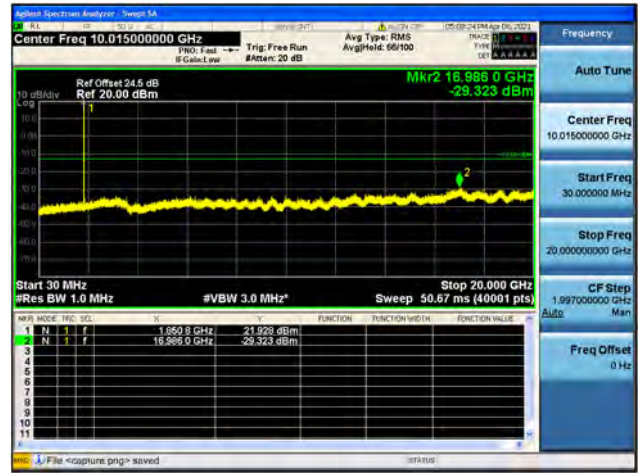




Band2 / 15MHz / Low CH / QPSK



Band2 / 15MHz / Low CH / 16QAM



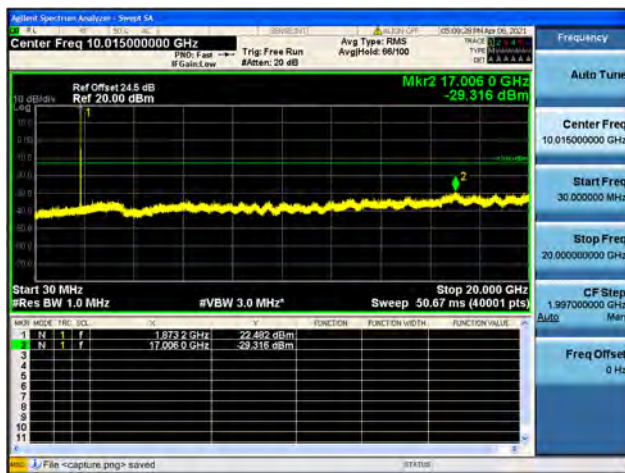
Band2 / 15MHz / Low CH / 64QAM



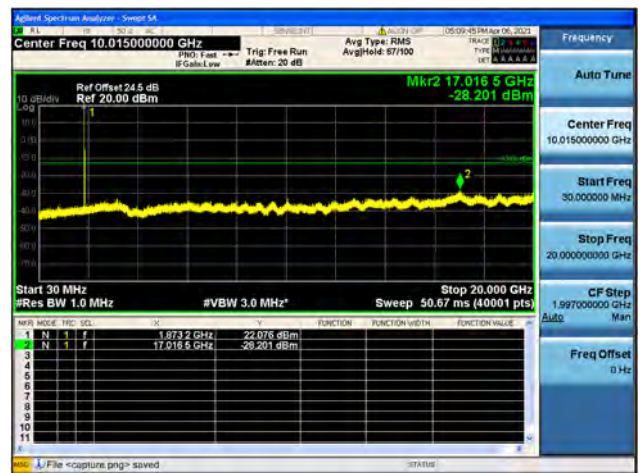
Band2 / 15MHz / Mid CH / QPSK



Band2 / 15MHz / Mid CH / 16QAM

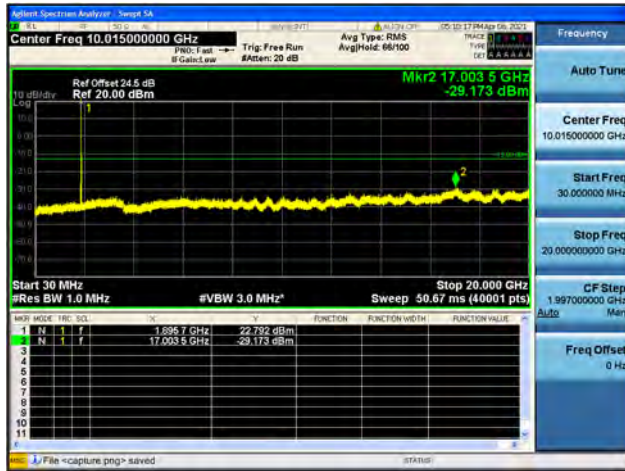


Band2 / 15MHz / Mid CH / 64QAM





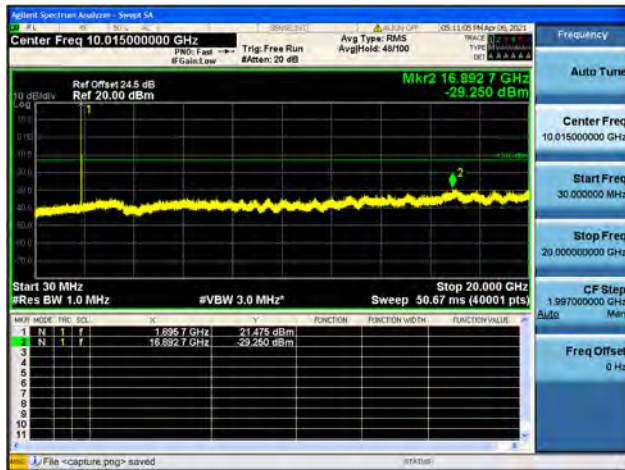
Band2 / 15MHz / High CH / QPSK



Band2 / 15MHz / High CH / 16QAM



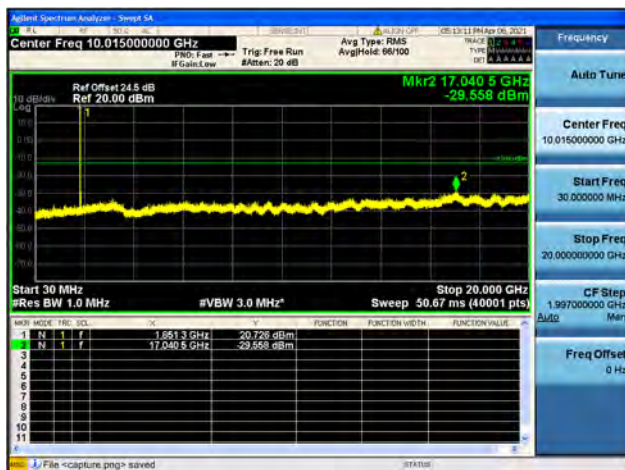
Band2 / 15MHz / High CH / 64QAM



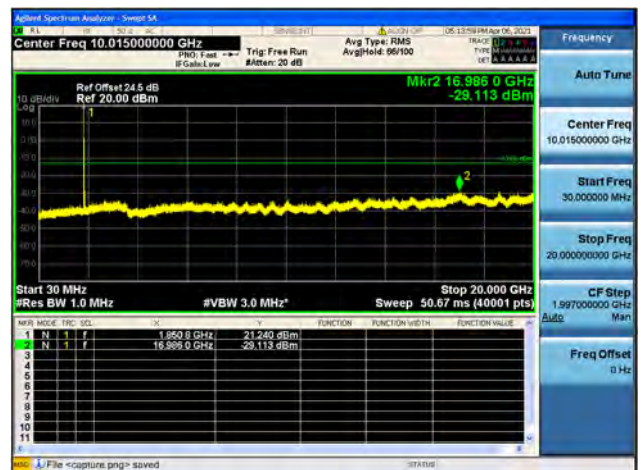
Band2 / 20MHz / Low CH / QPSK



Band2 / 20MHz / Low CH / 16QAM

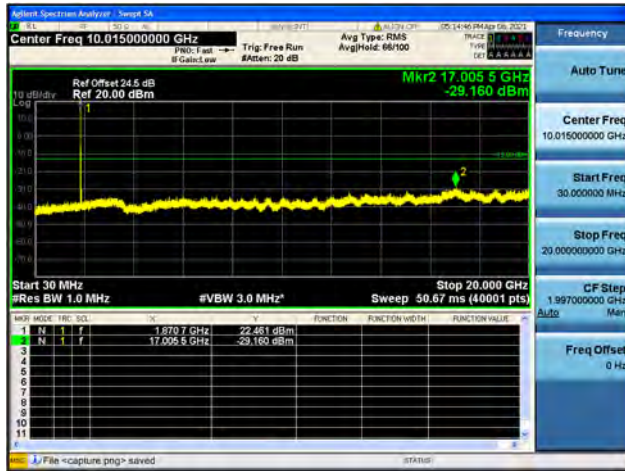


Band2 / 20MHz / Low CH / 64QAM





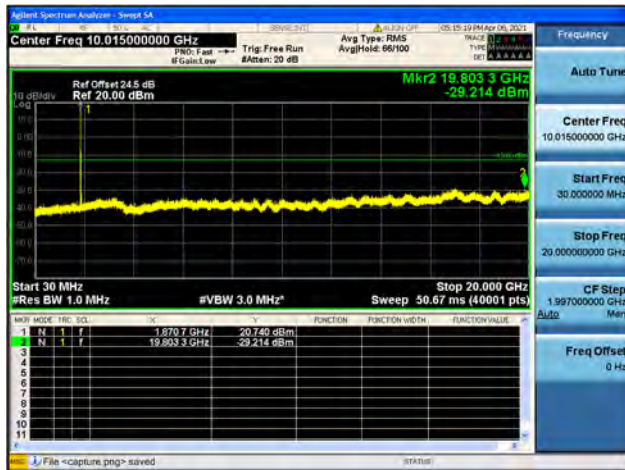
Band2 / 20MHz / Mid CH / QPSK



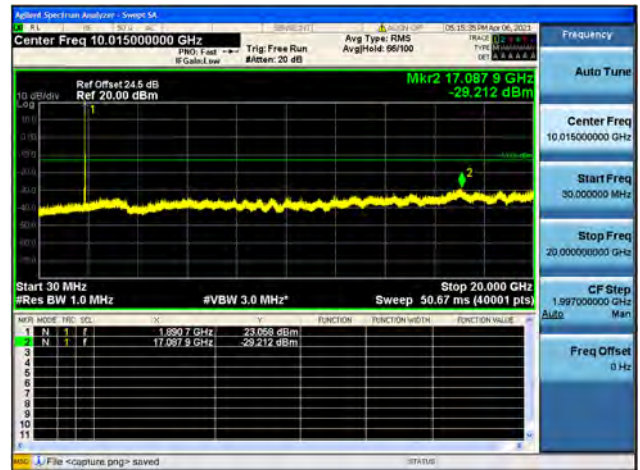
Band2 / 20MHz / Mid CH / 16QAM



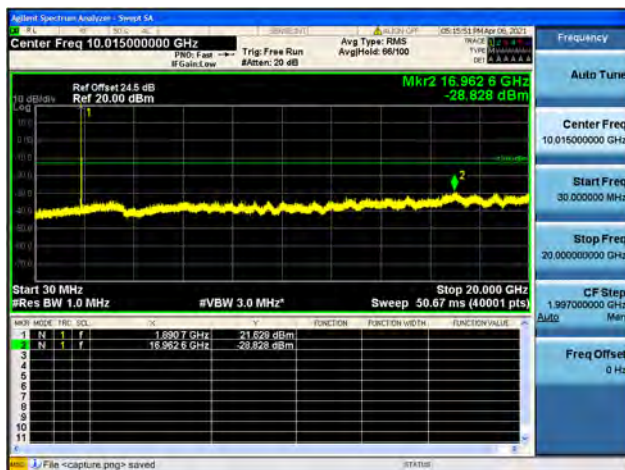
Band2 / 20MHz / Mid CH / 64QAM



Band2 / 20MHz / High CH / QPSK



Band2 / 20MHz / High CH / 16QAM

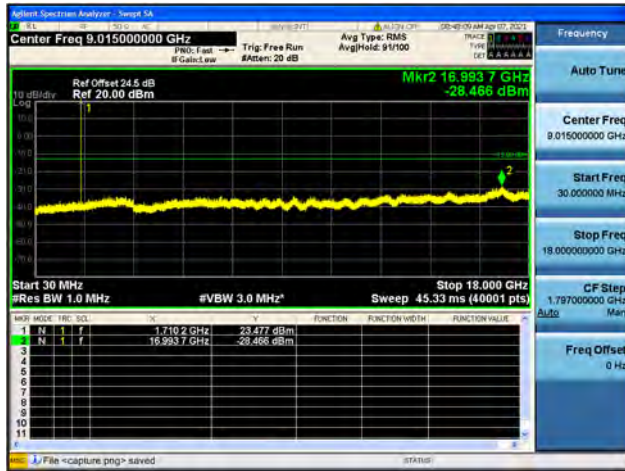


Band2 / 20MHz / High CH / 64QAM

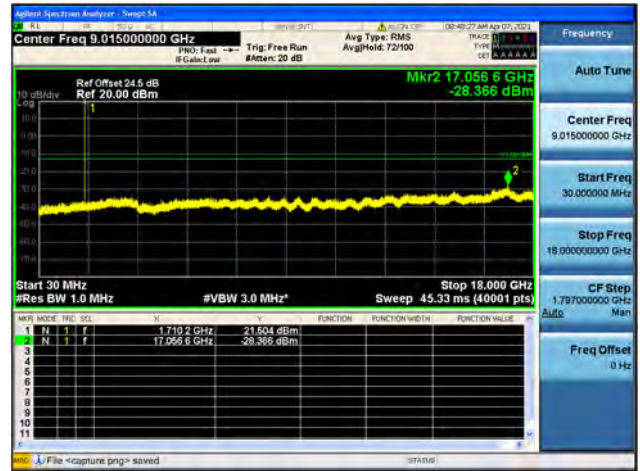




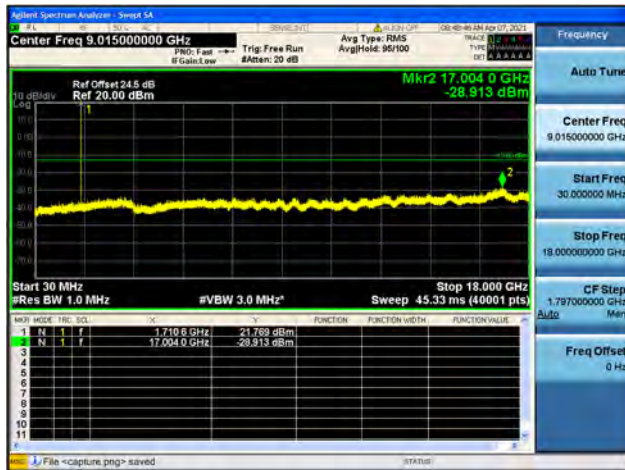
Band4 / 1.4MHz / Low CH / QPSK



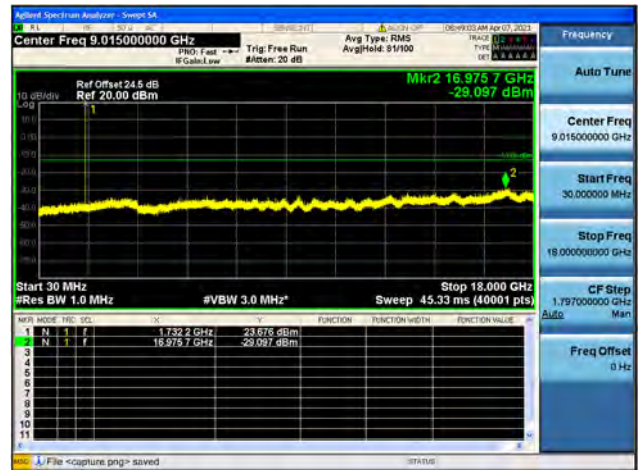
Band4 / 1.4MHz / Low CH / 16QAM



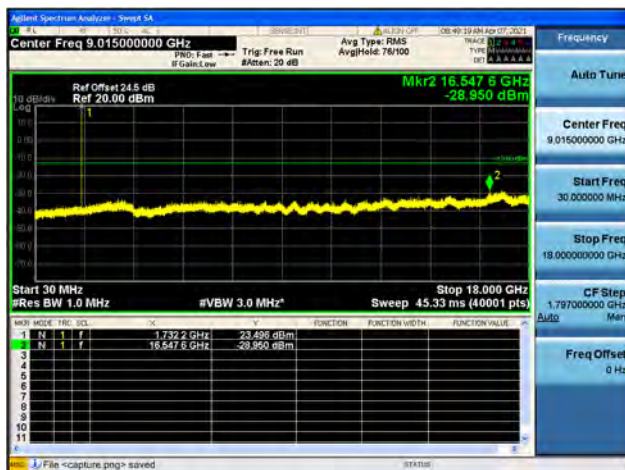
Band4 / 1.4MHz / Low CH / 64QAM



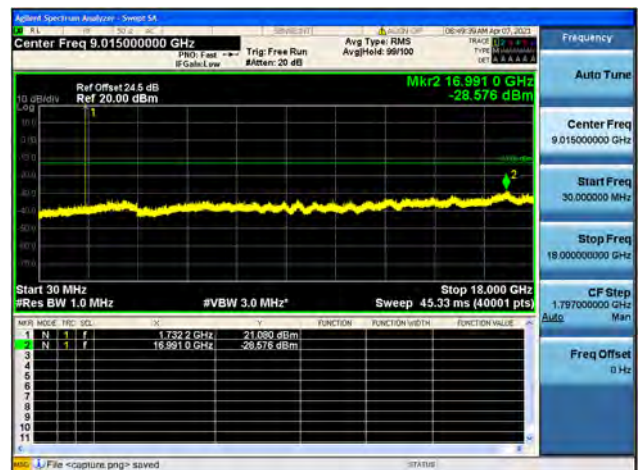
Band4 / 1.4MHz / Mid CH / QPSK



Band4 / 1.4MHz / Mid CH / 16QAM

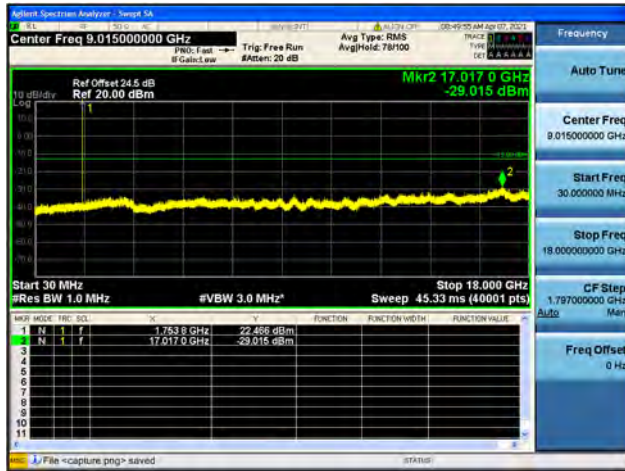


Band4 / 1.4MHz / Mid CH / 64QAM





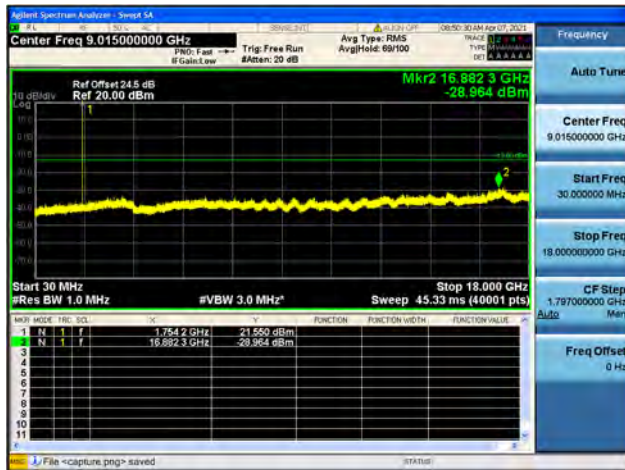
Band4 / 1.4MHz / High CH / QPSK



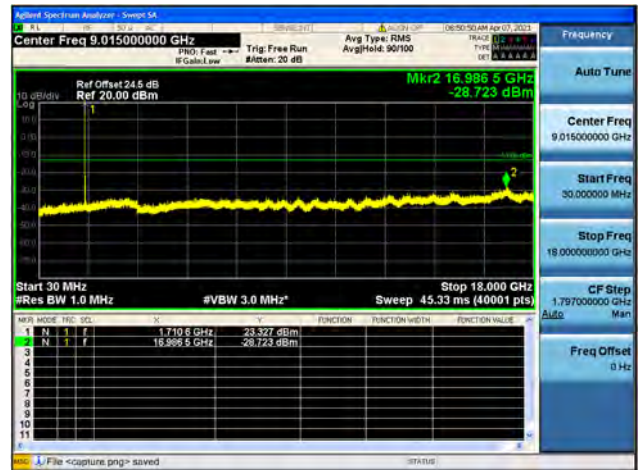
Band4 / 1.4MHz / High CH / 16QAM



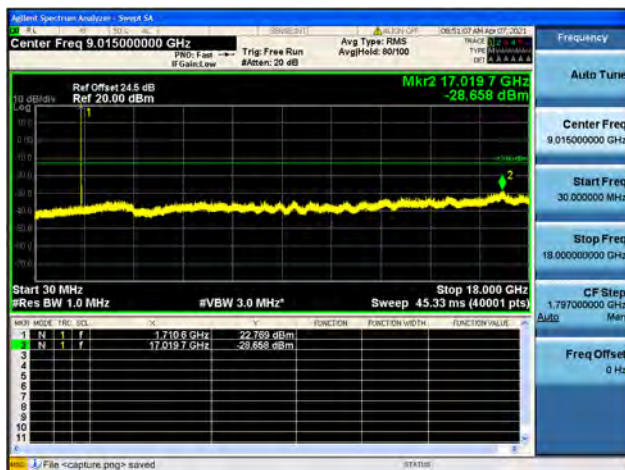
Band4 / 1.4MHz / High CH / 64QAM



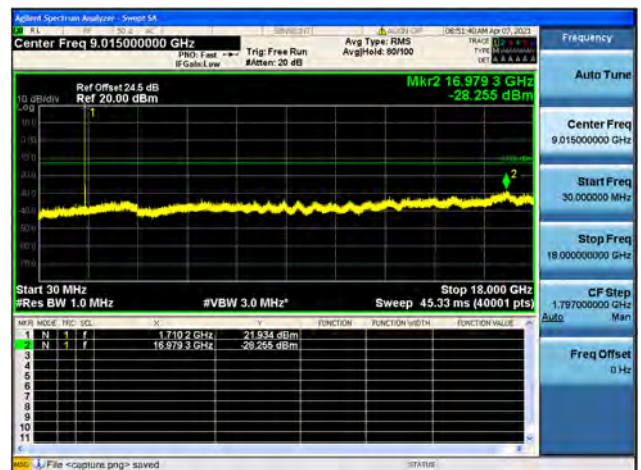
Band4 / 3MHz / Low CH / QPSK



Band4 / 3MHz / Low CH / 16QAM

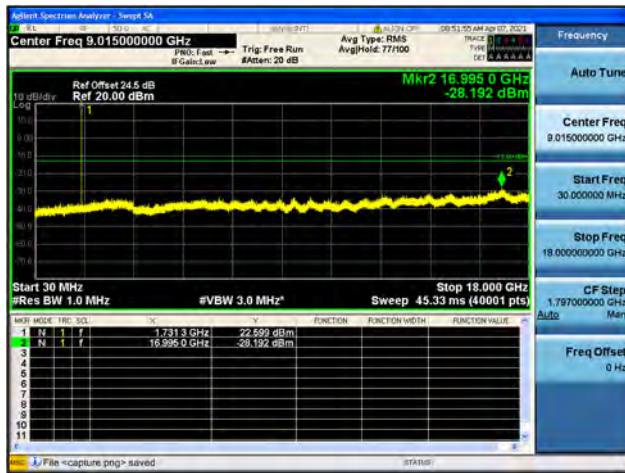


Band4 / 3MHz / Low CH / 64QAM

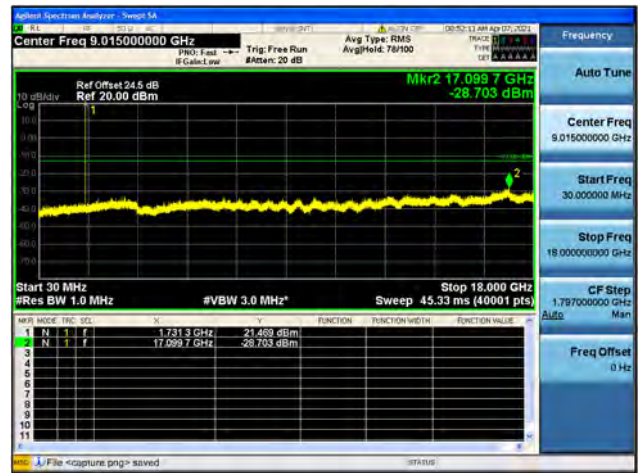




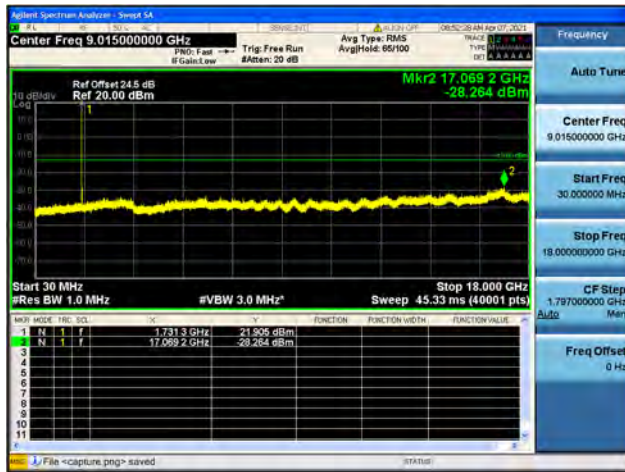
Band4 / 3MHz / Mid CH / QPSK



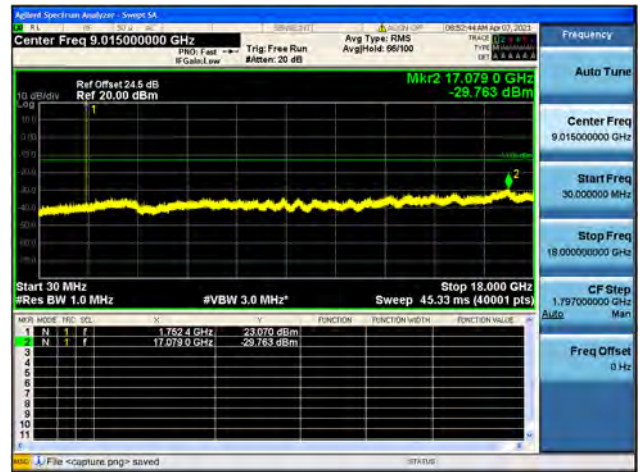
Band4 / 3MHz / Mid CH / 16QAM



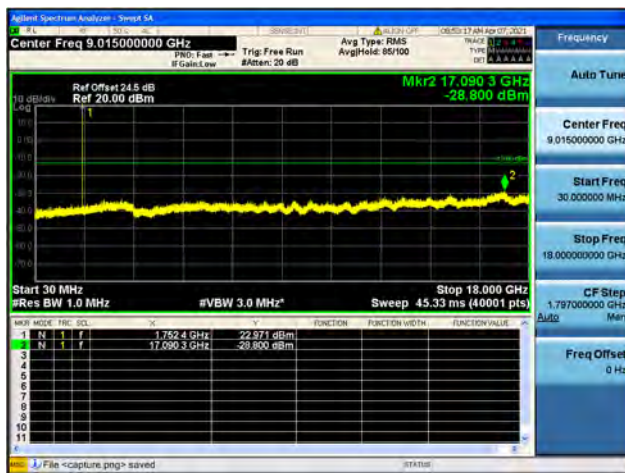
Band4 / 3MHz / Mid CH / 64QAM



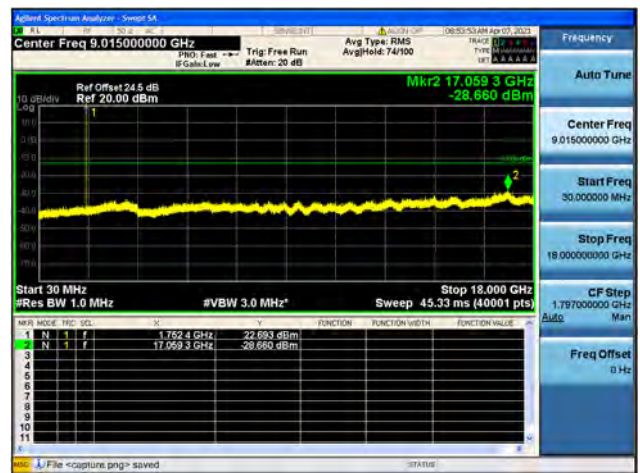
Band4 / 3MHz / High CH / QPSK



Band4 / 3MHz / High CH / 16QAM

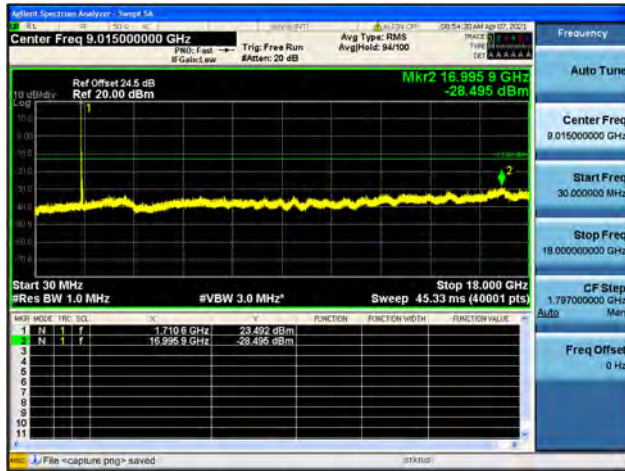


Band4 / 3MHz / High CH / 64QAM

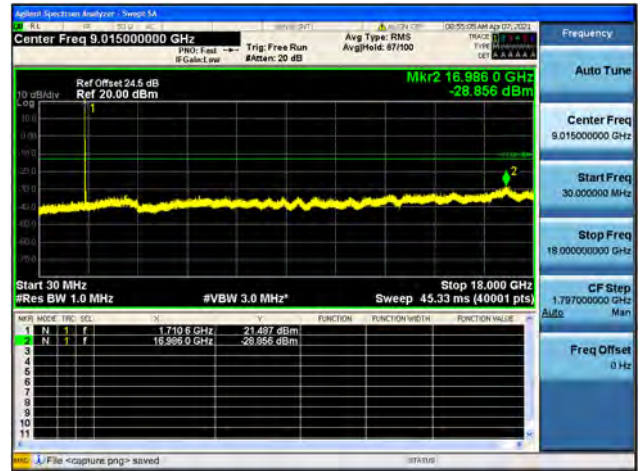




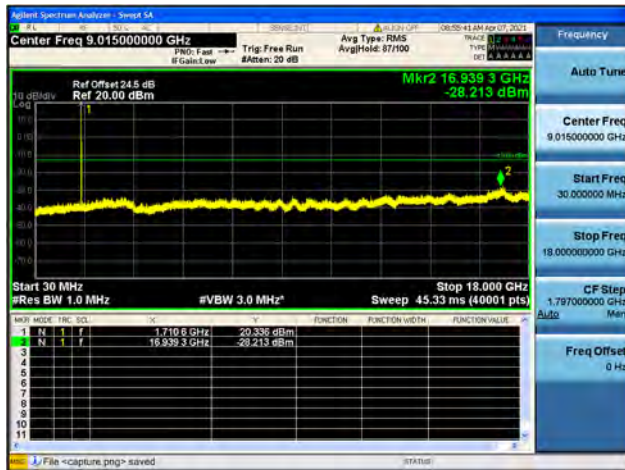
Band4 / 5MHz / Low CH / QPSK



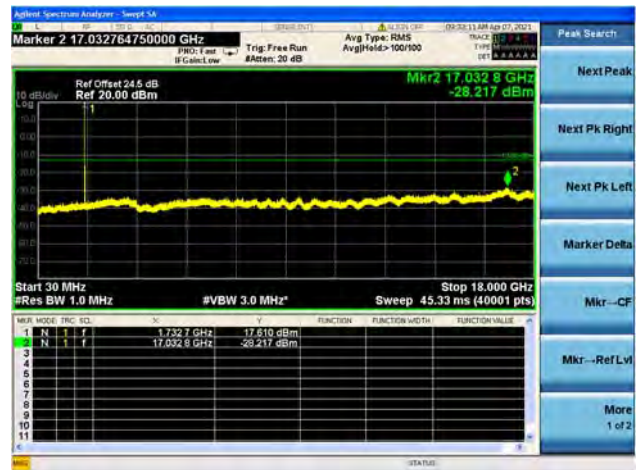
Band4 / 5MHz / Low CH / 16QAM



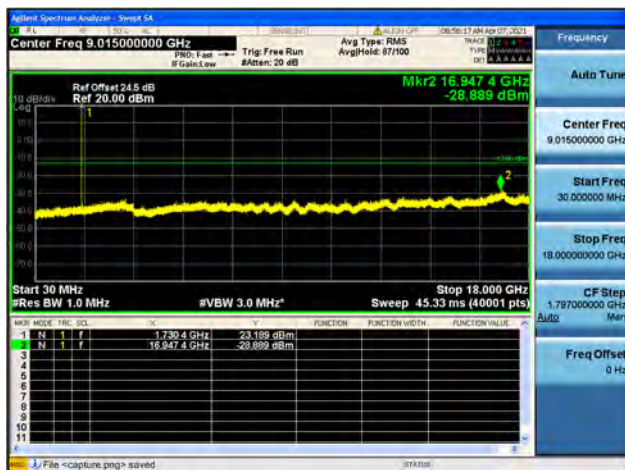
Band4 / 5MHz / Low CH / 64QAM



Band4 / 5MHz / Mid CH / QPSK



Band4 / 5MHz / Mid CH / 16QAM



Band4 / 5MHz / Mid CH / 64QAM

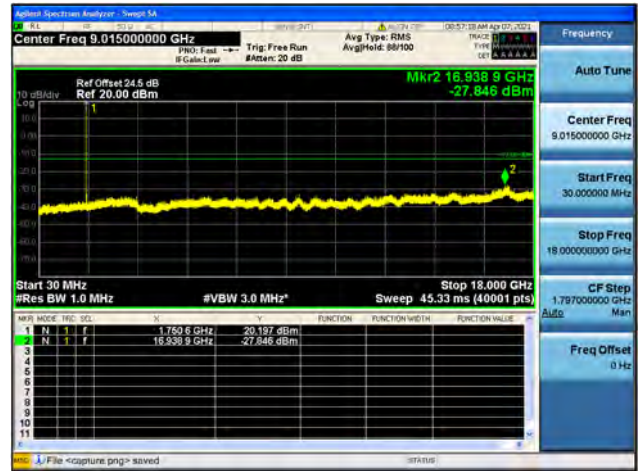




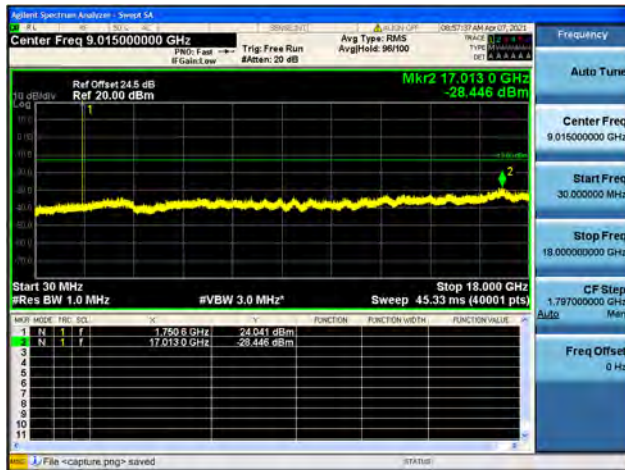
Band4 / 5MHz / High CH / QPSK



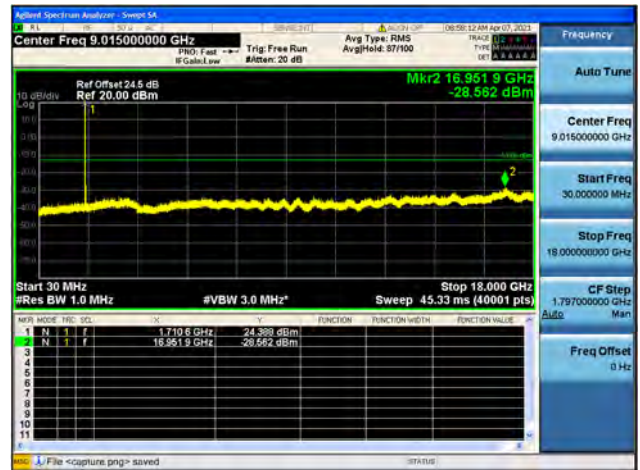
Band4 / 5MHz / High CH / 16QAM



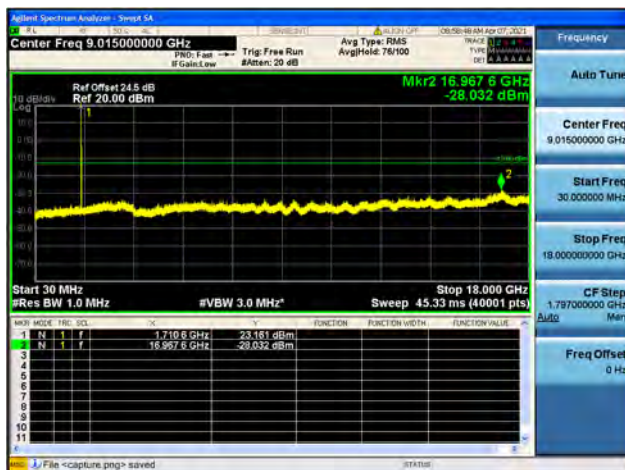
Band4 / 5MHz / High CH / 64QAM



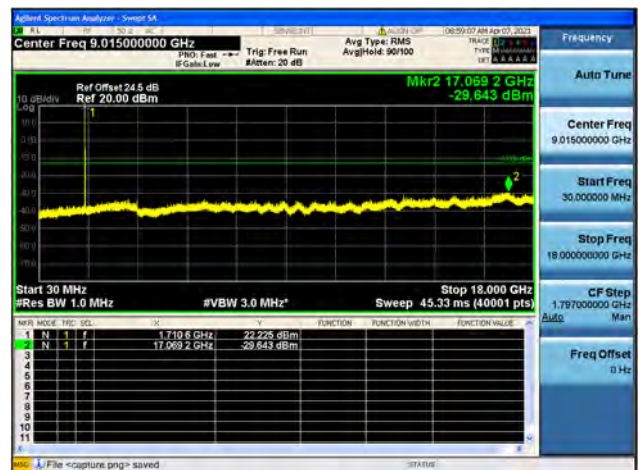
Band4 / 10MHz / Low CH / QPSK



Band4 / 10MHz / Low CH / 16QAM

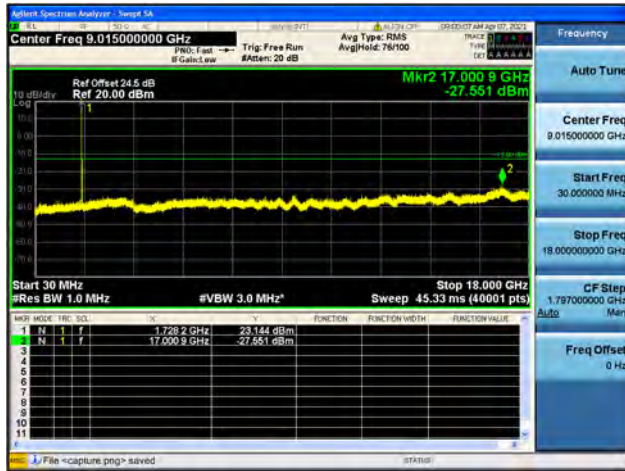


Band4 / 10MHz / Low CH / 64QAM

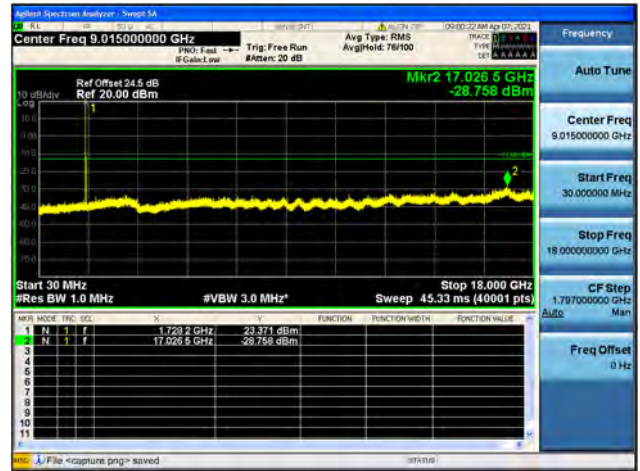




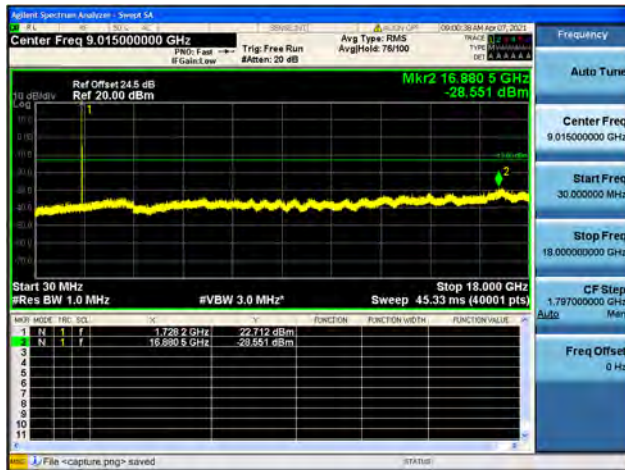
Band4 / 10MHz / Mid CH / QPSK



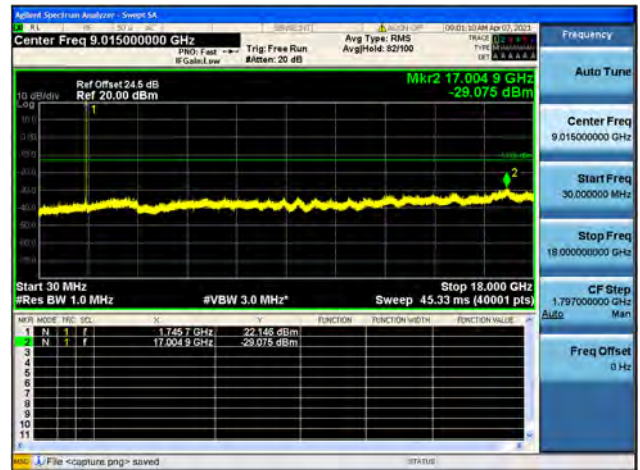
Band4 / 10MHz / Mid CH / 16QAM



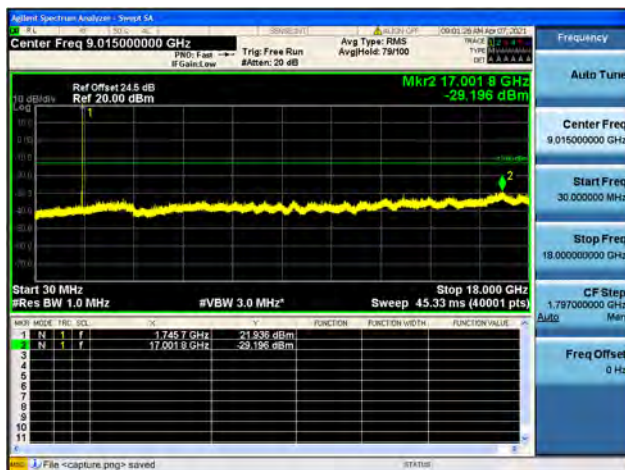
Band4 / 10MHz / Mid CH / 64QAM



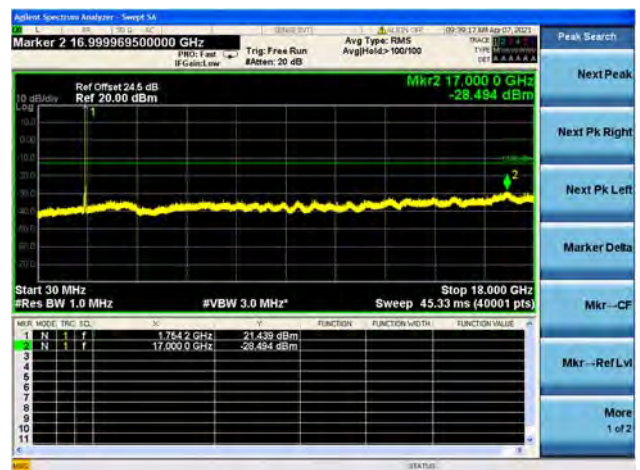
Band4 / 10MHz / High CH / QPSK



Band4 / 10MHz / High CH / 16QAM

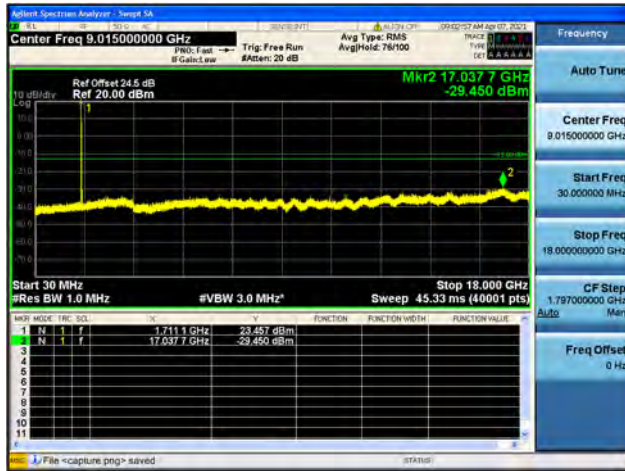


Band4 / 10MHz / High CH / 64QAM

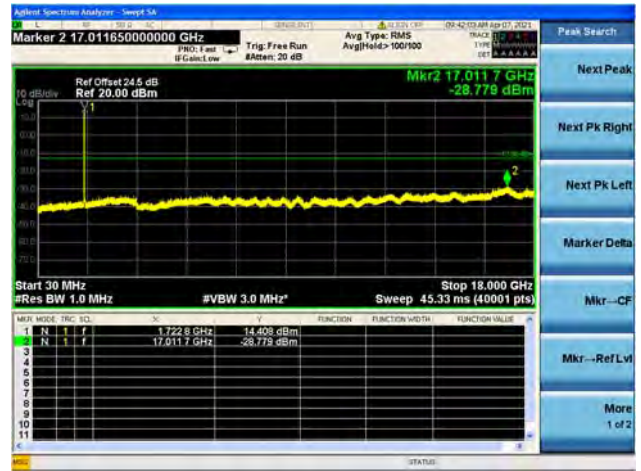




Band4 / 15MHz / Low CH / QPSK



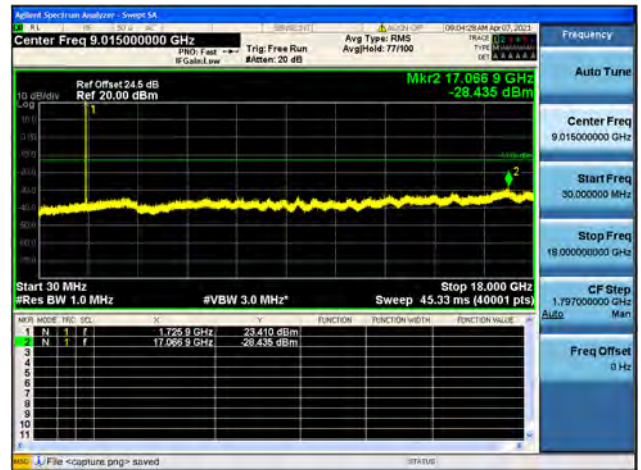
Band4 / 15MHz / Low CH / 16QAM



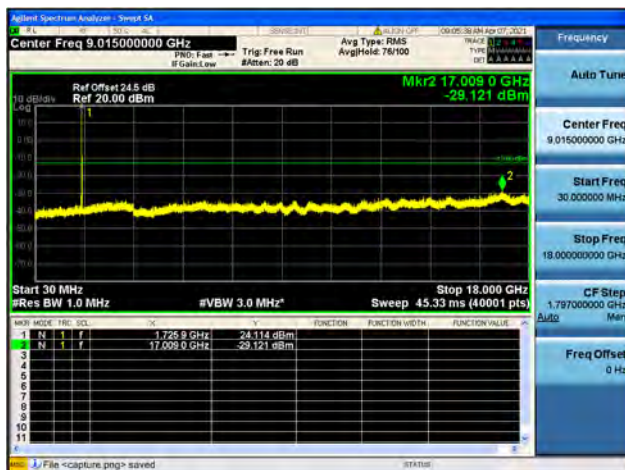
Band4 / 15MHz / Low CH / 64QAM



Band4 / 15MHz / Mid CH / QPSK



Band4 / 15MHz / Mid CH / 16QAM

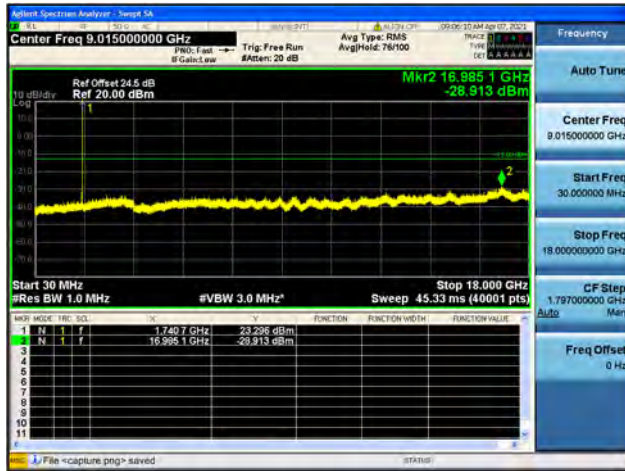


Band4 / 15MHz / Mid CH / 64QAM

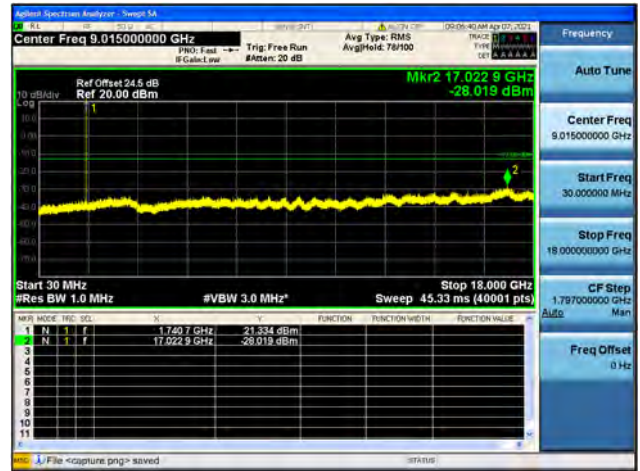




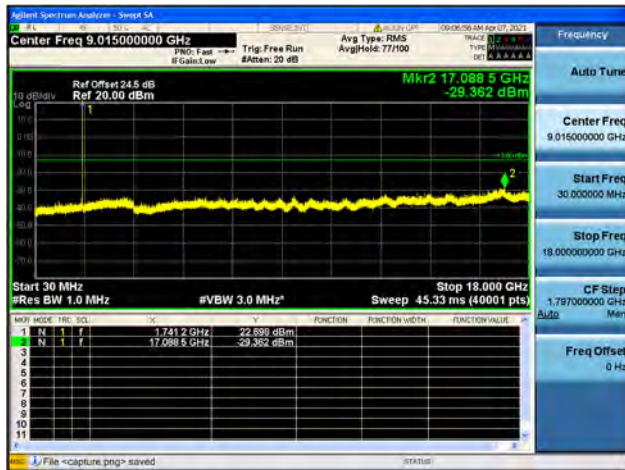
Band4 / 15MHz / High CH / QPSK



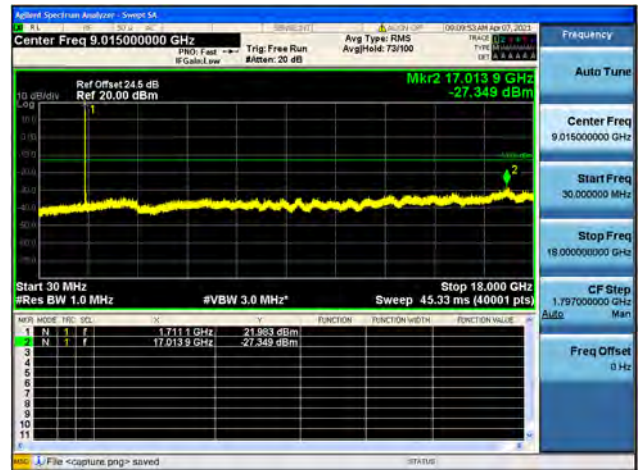
Band4 / 15MHz / High CH / 16QAM



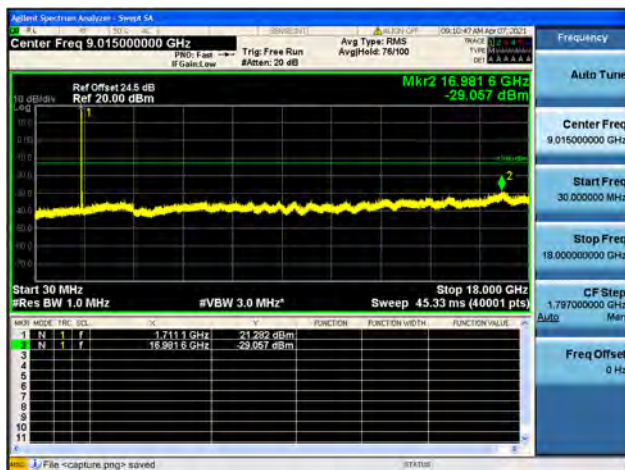
Band4 / 15MHz / High CH / 64QAM



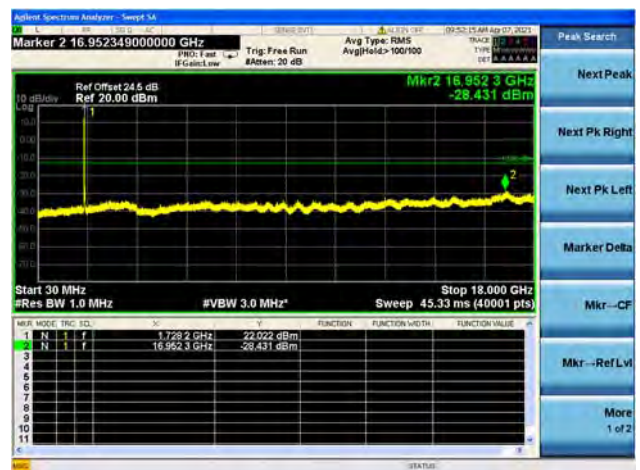
Band4 / 20MHz / Low CH / QPSK



Band4 / 20MHz / Low CH / 16QAM

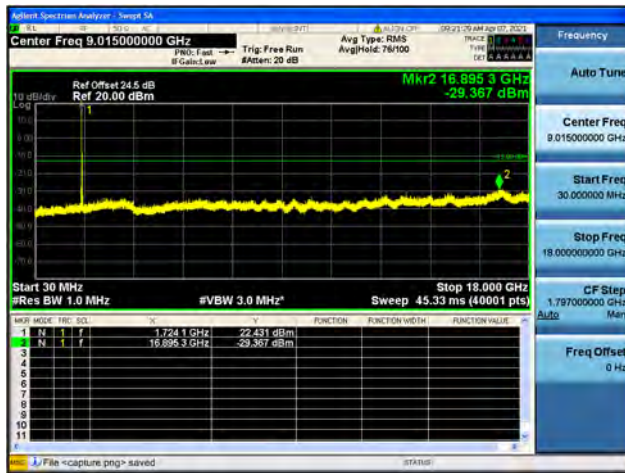


Band4 / 20MHz / Low CH / 64QAM

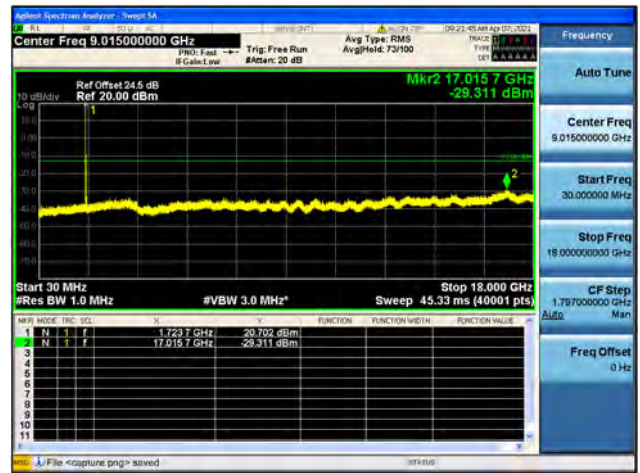




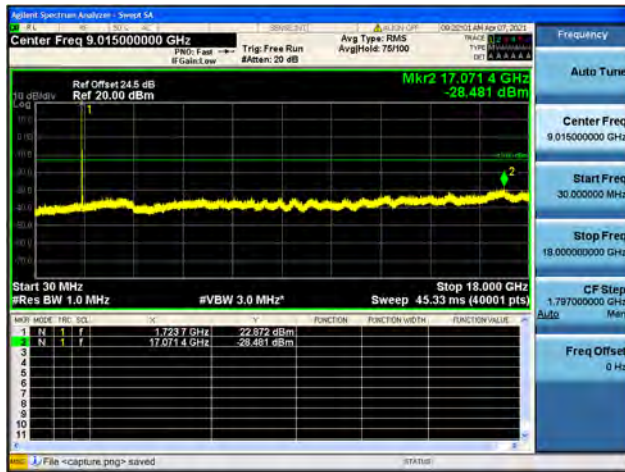
Band4 / 20MHz / Mid CH / QPSK



Band4 / 20MHz / Mid CH / 16QAM



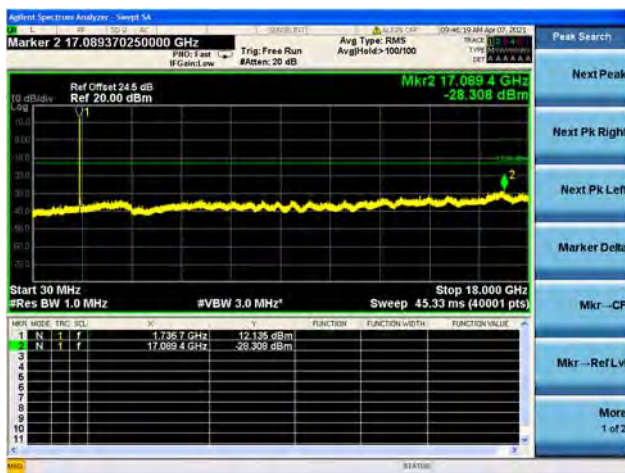
Band4 / 20MHz / Mid CH / 64QAM



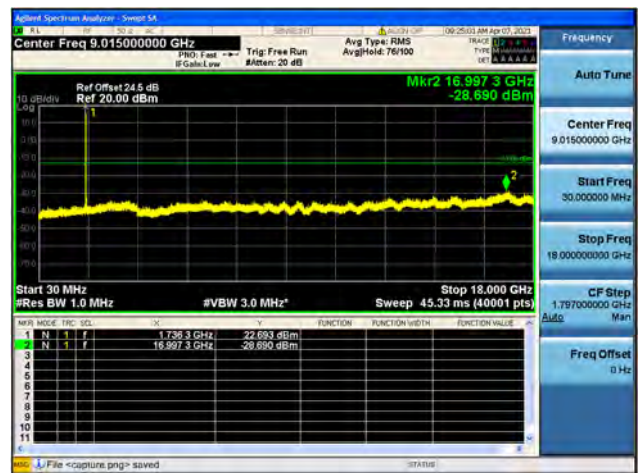
Band4 / 20MHz / High CH / QPSK



Band4 / 20MHz / High CH / 16QAM



Band4 / 20MHz / High CH / 64QAM





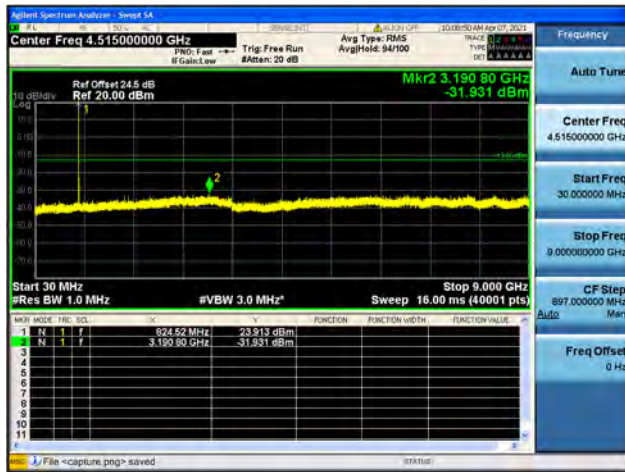
Band5 / 1.4MHz / Low CH / QPSK



Band5 / 1.4MHz / Low CH / 16QAM



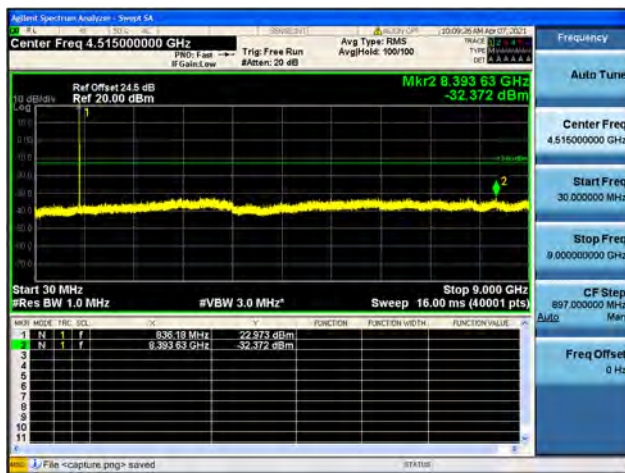
Band5 / 1.4MHz / Low CH / 64QAM



Band5 / 1.4MHz / Mid CH / QPSK



Band5 / 1.4MHz / Mid CH / 16QAM

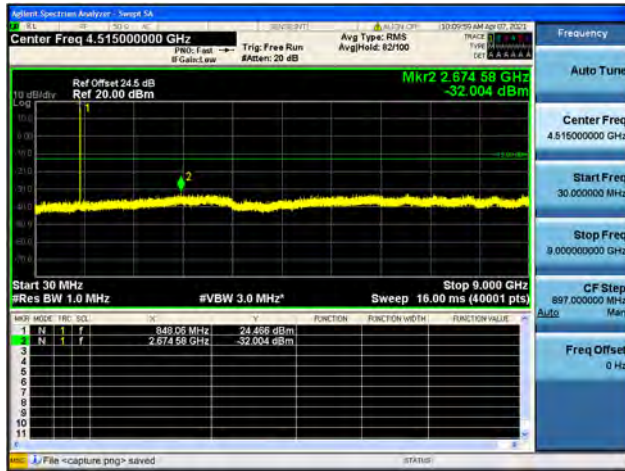


Band5 / 1.4MHz / Mid CH / 64QAM





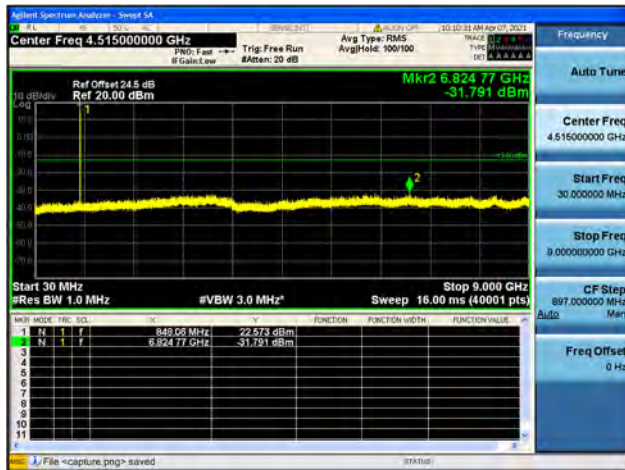
Band5 / 1.4MHz / High CH / QPSK



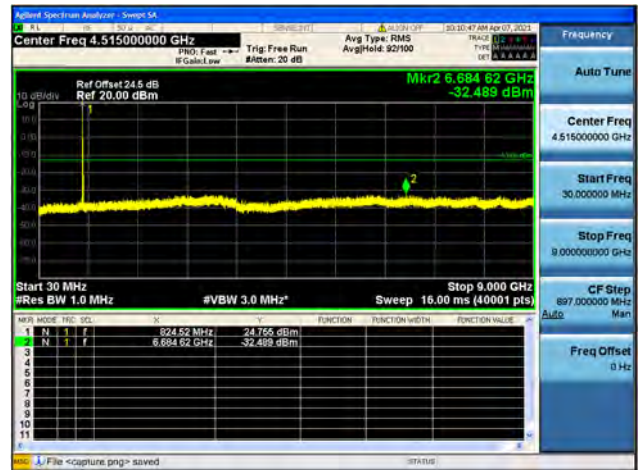
Band5 / 1.4MHz / High CH / 16QAM



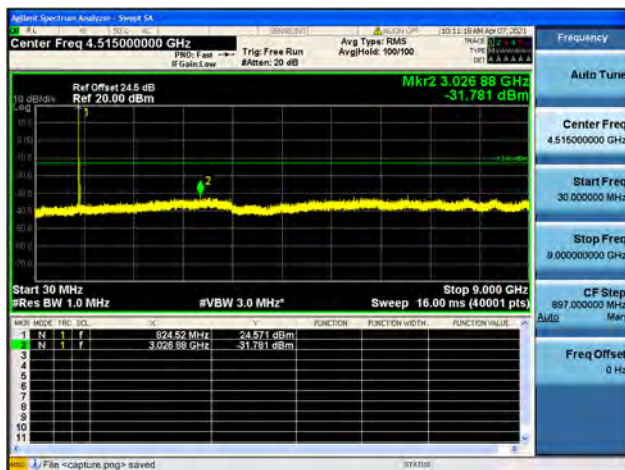
Band5 / 1.4MHz / High CH / 64QAM



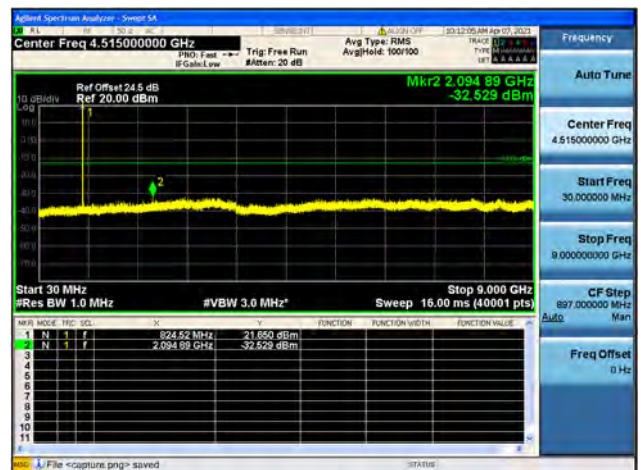
Band5 / 3MHz / Low CH / QPSK



Band5 / 3MHz / Low CH / 16QAM

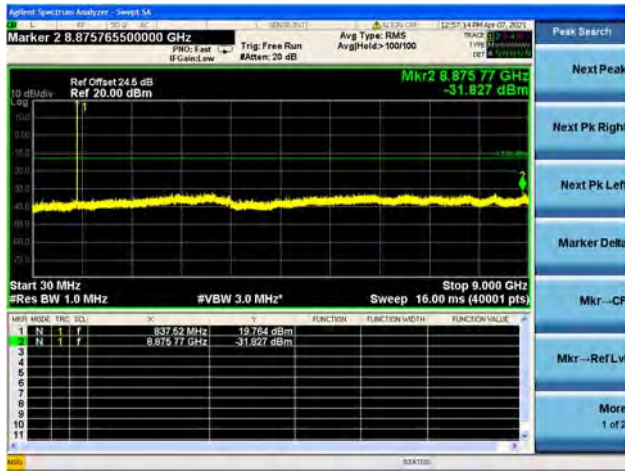


Band5 / 3MHz / Low CH / 64QAM

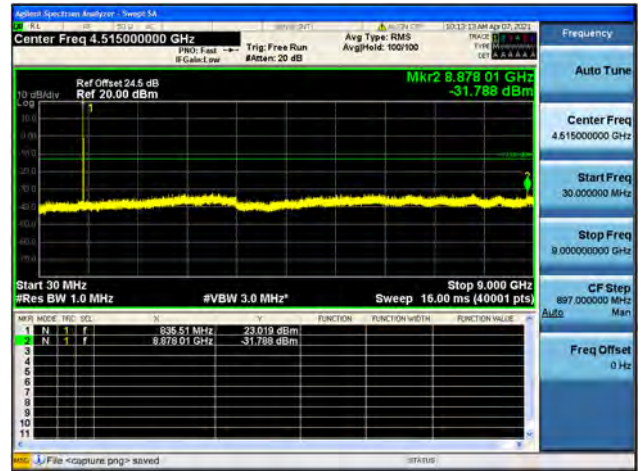




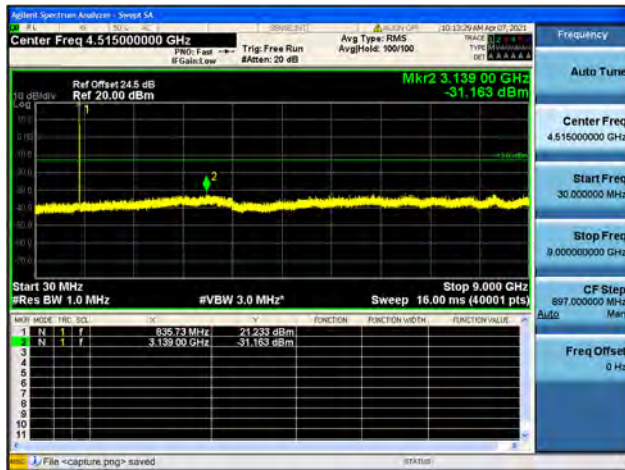
Band5 / 3MHz / Mid CH / QPSK



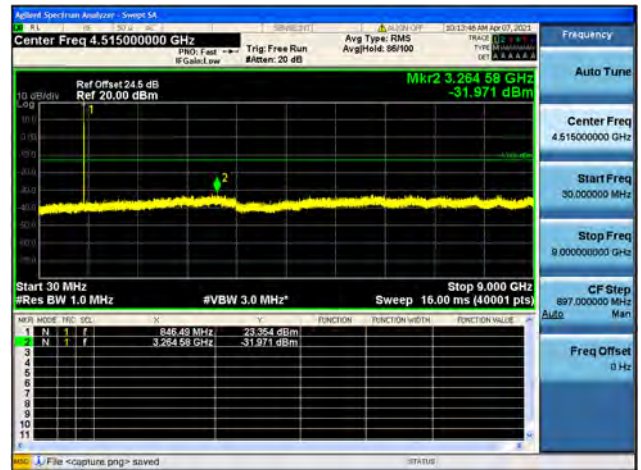
Band5 / 3MHz / Mid CH / 16QAM



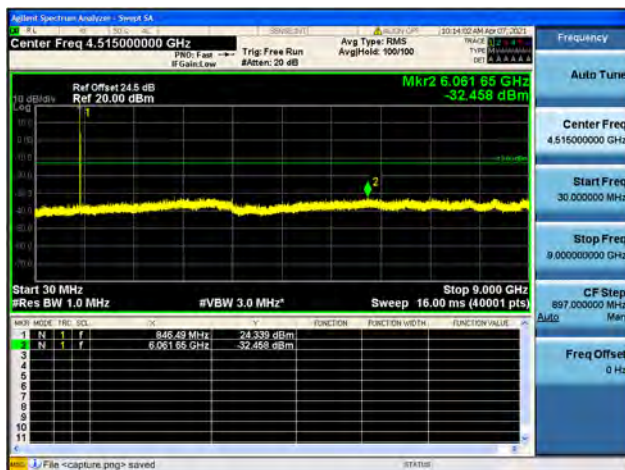
Band5 / 3MHz / Mid CH / 64QAM



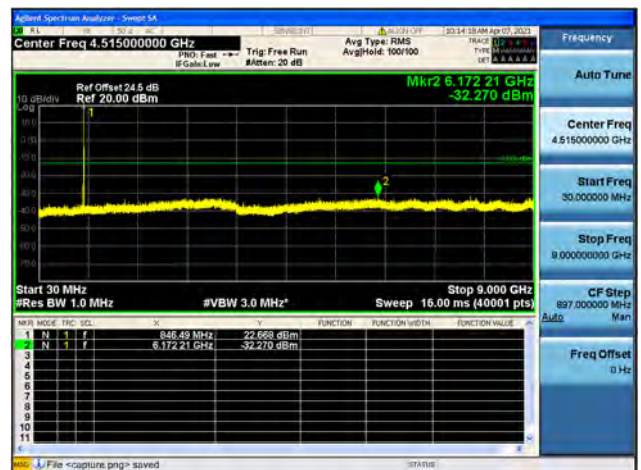
Band5 / 3MHz / High CH / QPSK



Band5 / 3MHz / High CH / 16QAM

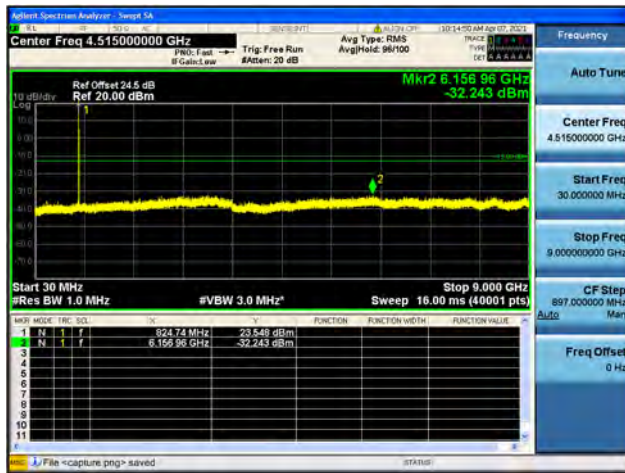


Band5 / 3MHz / High CH / 64QAM





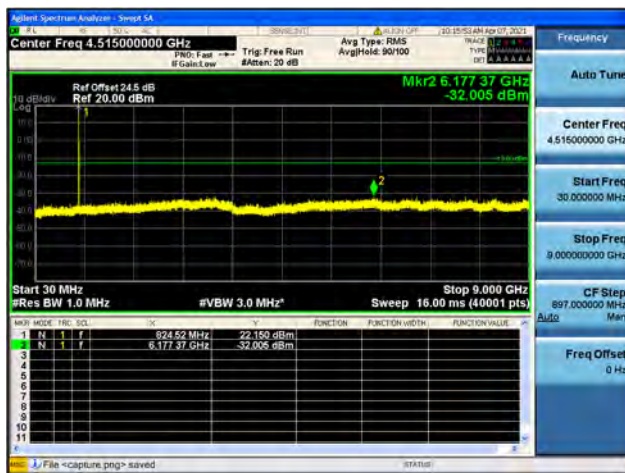
Band5 / 5MHz / Low CH / QPSK



Band5 / 5MHz / Low CH / 16QAM



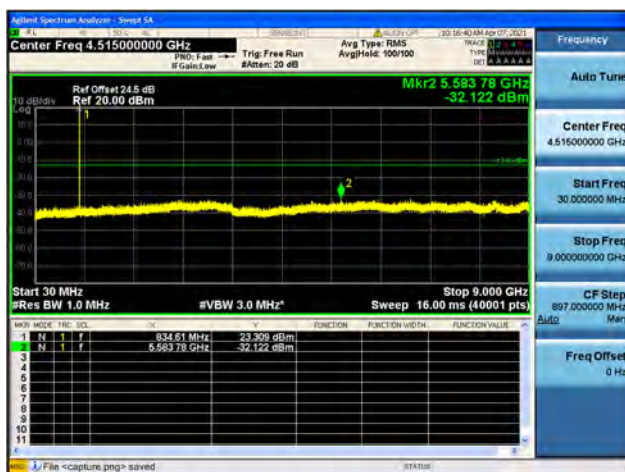
Band5 / 5MHz / Low CH / 64QAM



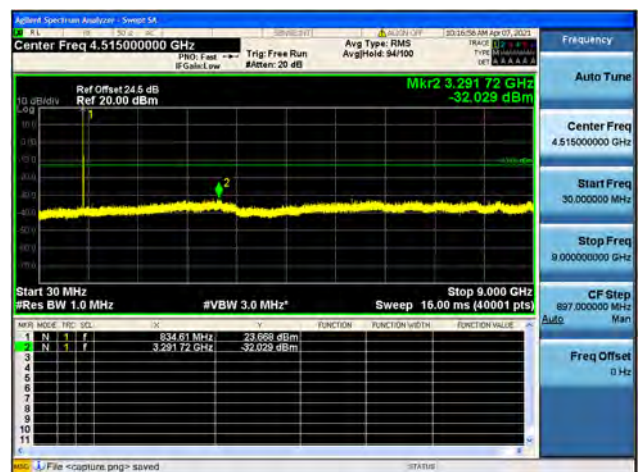
Band5 / 5MHz / Mid CH / QPSK



Band5 / 5MHz / Mid CH / 16QAM

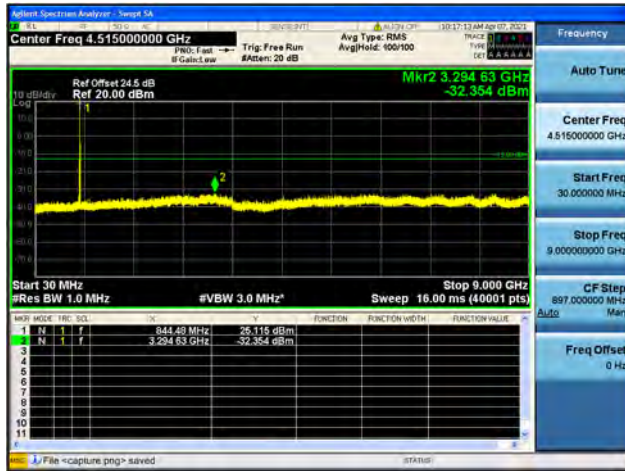


Band5 / 5MHz / Mid CH / 64QAM





Band5 / 5MHz / High CH / QPSK



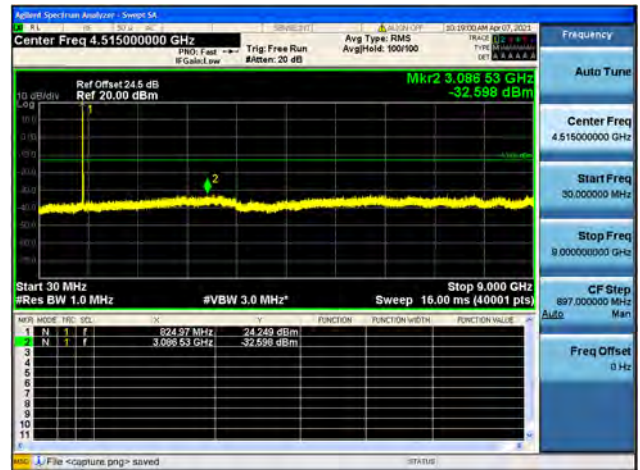
Band5 / 5MHz / High CH / 16QAM



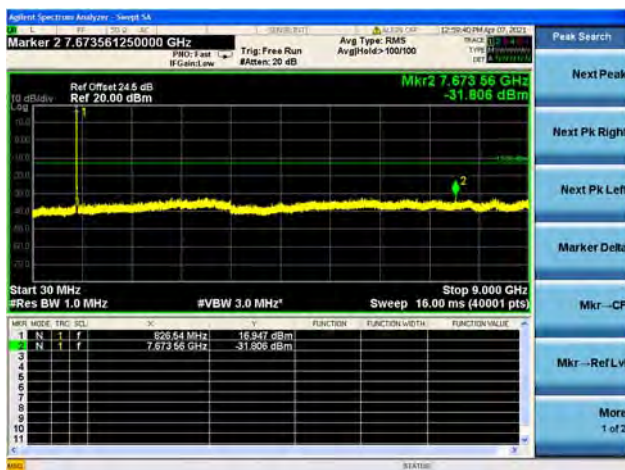
Band5 / 5MHz / High CH / 64QAM



Band5 / 10MHz / Low CH / QPSK



Band5 / 10MHz / Low CH / 16QAM

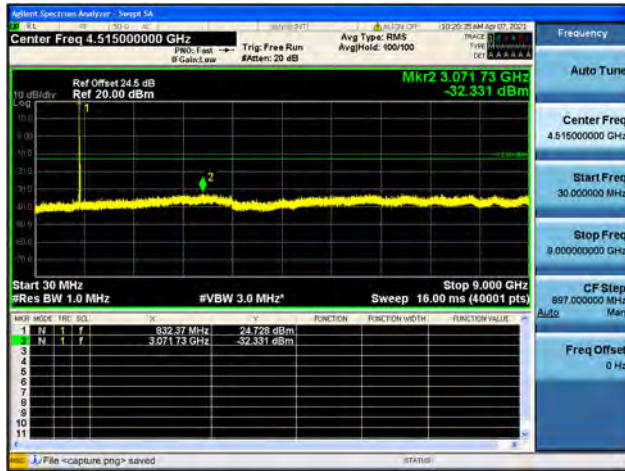


Band5 / 10MHz / Low CH / 64QAM





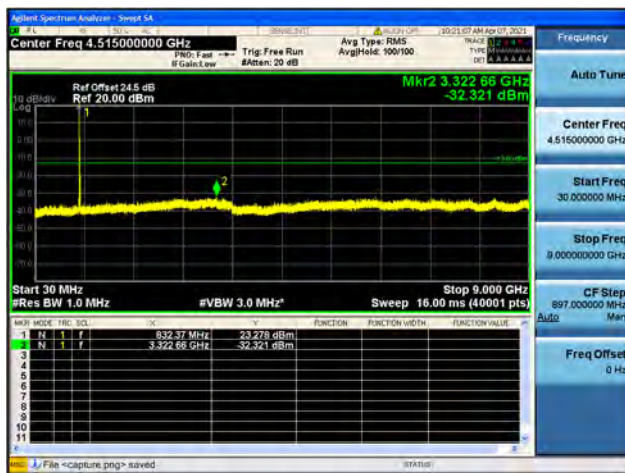
Band5 / 10MHz / Mid CH / QPSK



Band5 / 10MHz / Mid CH / 16QAM



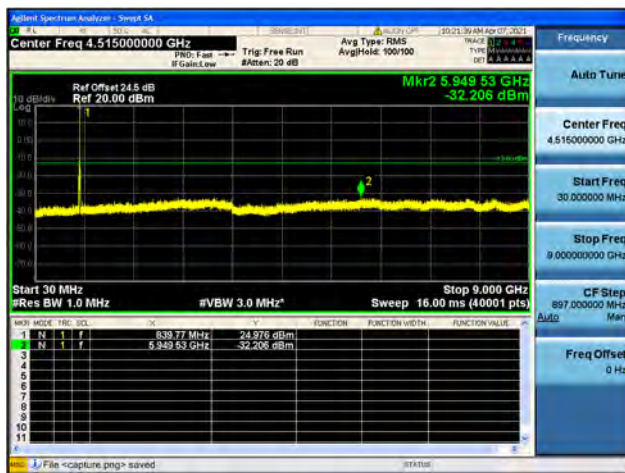
Band5 / 10MHz / Mid CH / 64QAM



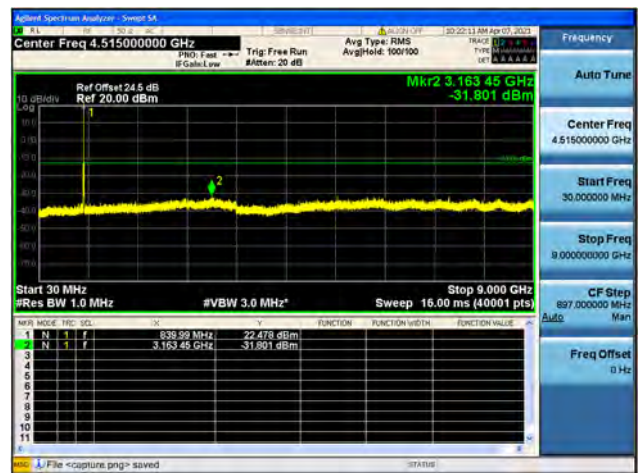
Band5 / 10MHz / High CH / QPSK



Band5 / 10MHz / High CH / 16QAM



Band5 / 10MHz / High CH / 64QAM

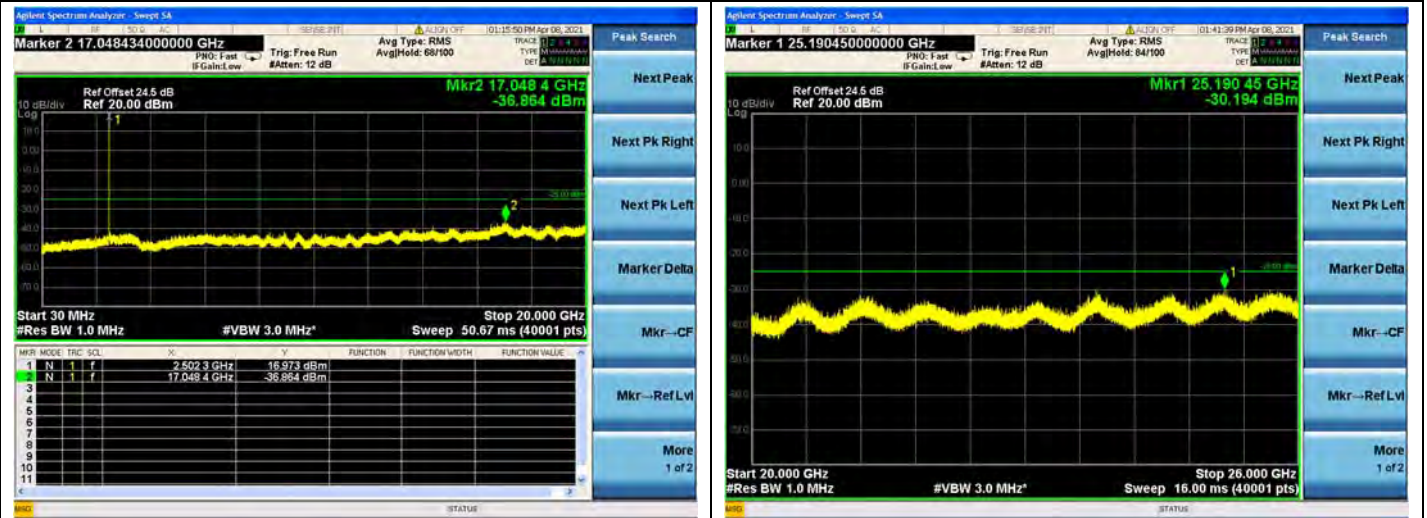




Band 7 / 5MHz / Low CH / QPSK



Band 7 / 5MHz / Low CH / 16QAM



Band 7 / 5MHz / Low CH / 64QAM

