Band26Part22 / 1.4MHz / High CH / QPSK

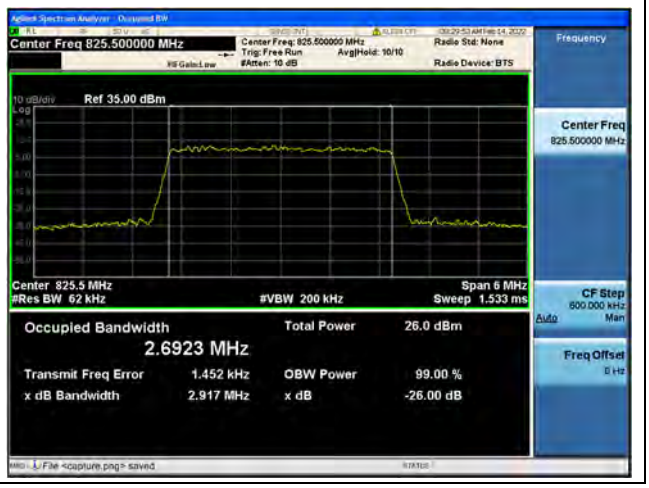
Band26Part22 / 1.4MHz / High CH / 16QAM

Band26Part22 / 1.4MHz / High CH / 64QAM

Band26Part22 / 3MHz / Low CH / QPSK

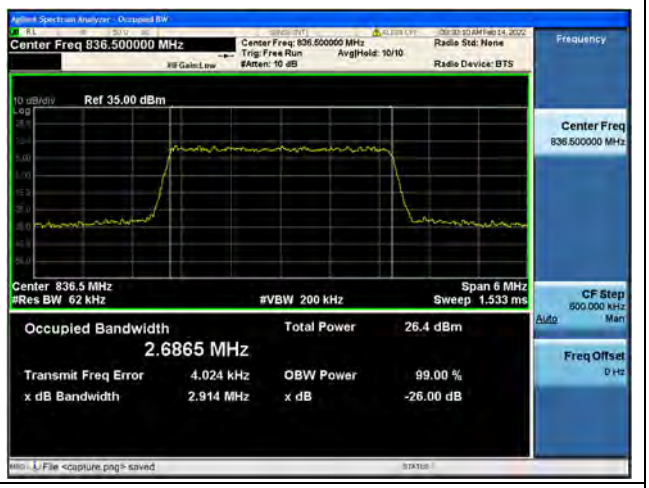
Band26Part22 / 3MHz / Low CH / 16QAM

Band26Part22 / 3MHz / Low CH / 64QAM



Band26Part22 / 3MHz / Mid CH / QPSK

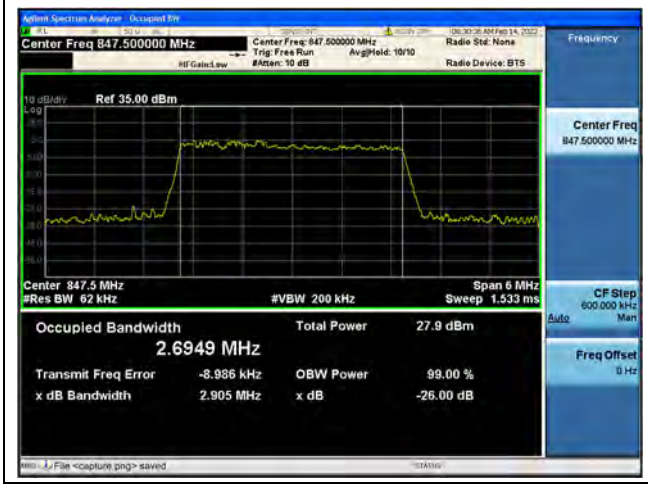
Band26Part22 / 3MHz / Mid CH / 16QAM



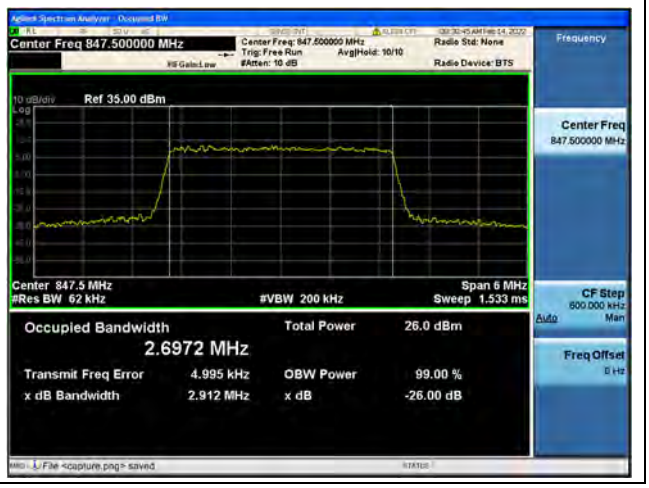
Band26Part22 / 3MHz / Mid CH / 64QAM

Band26Part22 / 3MHz / High CH / QPSK

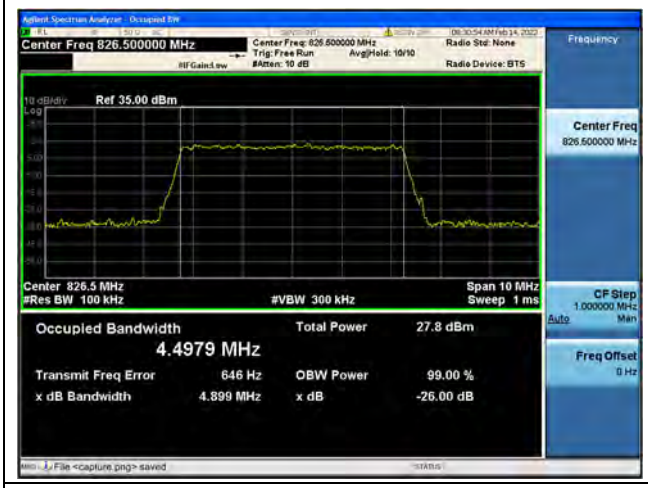
Band26Part22 / 3MHz / High CH / 16QAM



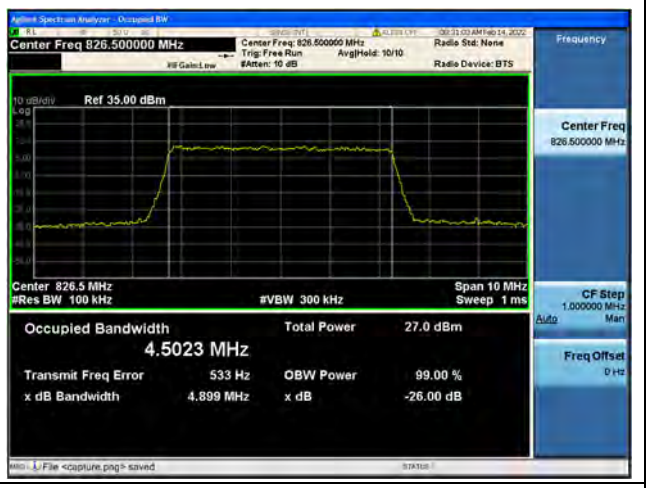
Band26Part22 / 3MHz / High CH / 64QAM



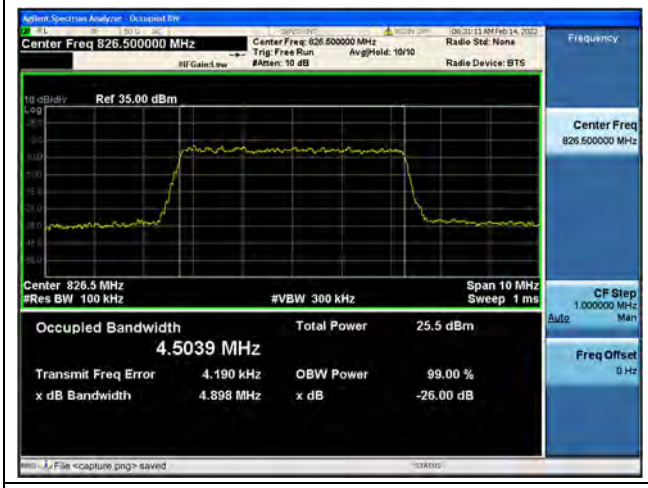
Band26Part22 / 5MHz / Low CH / QPSK



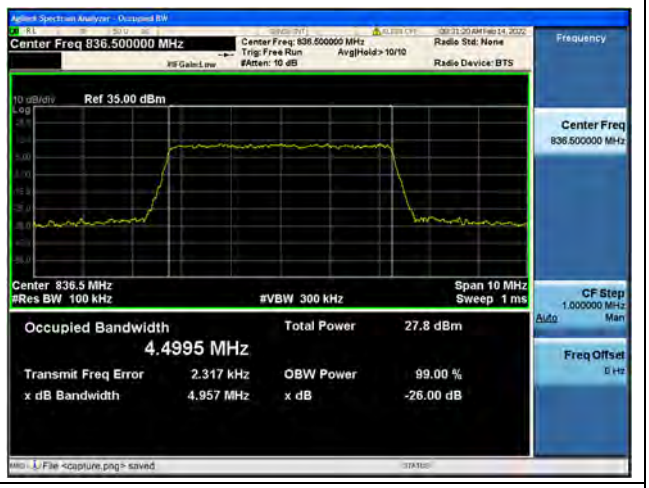
Band26Part22 / 5MHz / Low CH / 16QAM



Band26Part22 / 5MHz / Low CH / 64QAM

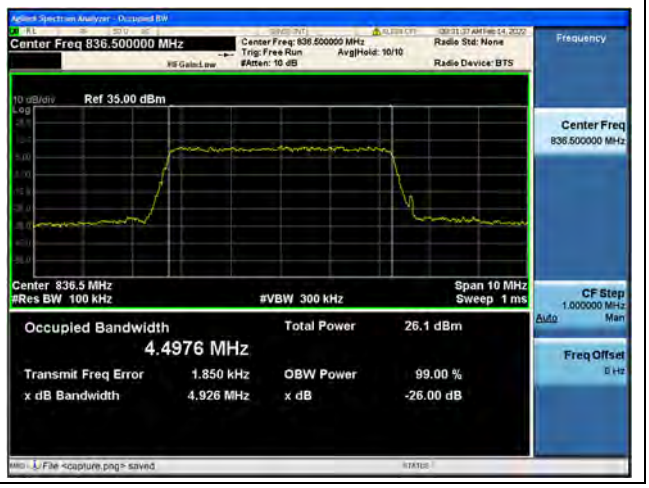


Band26Part22 / 5MHz / Mid CH / QPSK



Band26Part22 / 5MHz / Mid CH / 16QAM

Band26Part22 / 5MHz / Mid CH / 64QAM

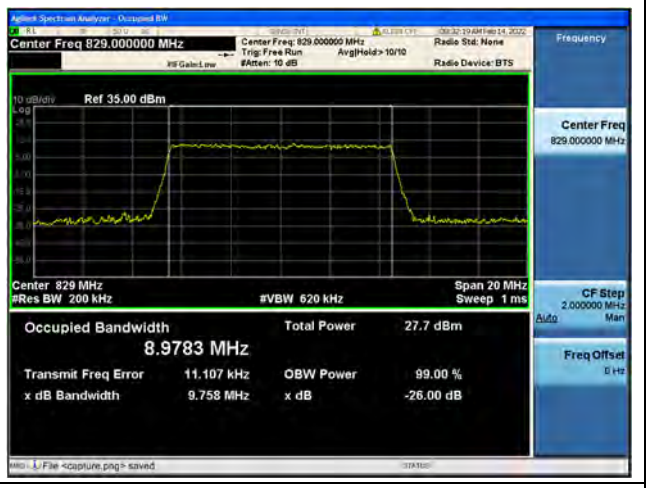


Band26Part22 / 5MHz / High CH / QPSK

Band26Part22 / 5MHz / High CH / 16QAM

Band26Part22 / 5MHz / High CH / 64QAM

Band26Part22 / 10MHz / Low CH / QPSK

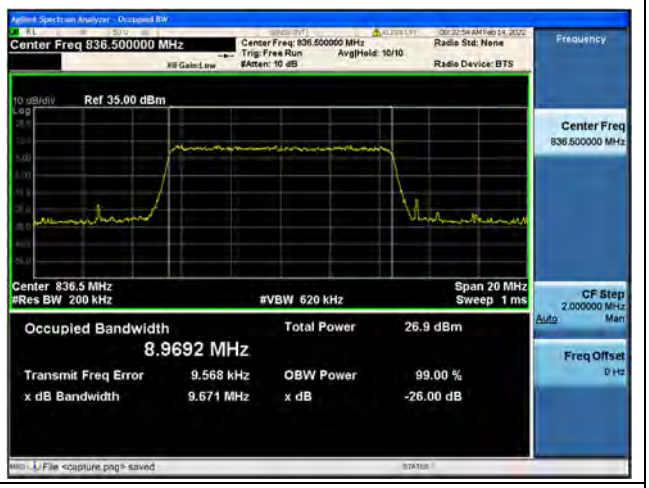


Band26Part22 / 10MHz / Low CH / 16QAM

Band26Part22 / 10MHz / Low CH / 64QAM

Band26Part22 / 10MHz / Mid CH / QPSK

Band26Part22 / 10MHz / Mid CH / 16QAM



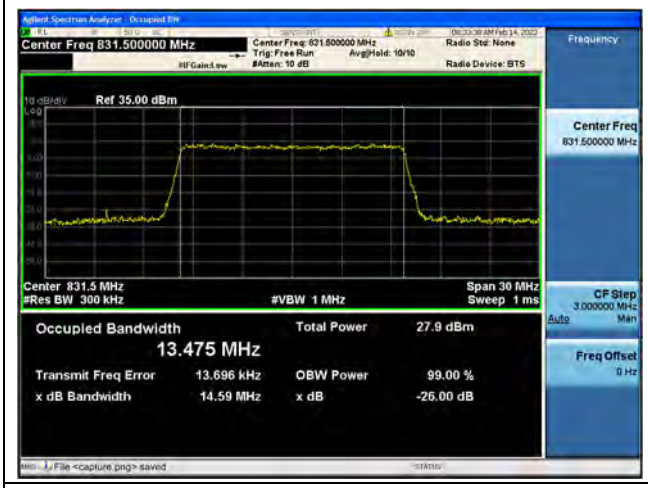
Band26Part22 / 10MHz / Mid CH / 64QAM

Band26Part22 / 10MHz / High CH / QPSK

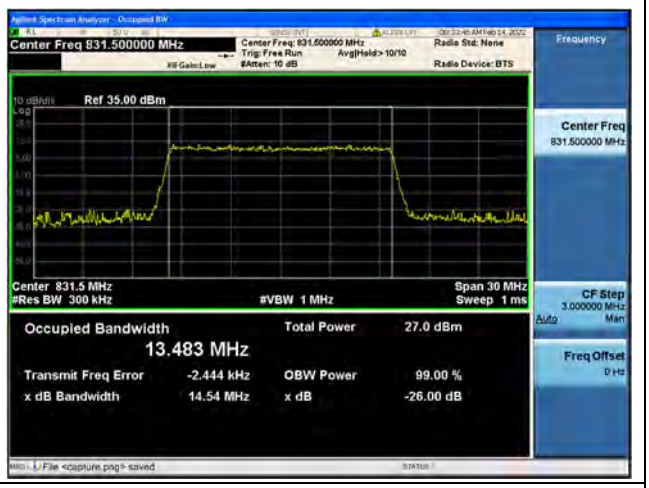
Band26Part22 / 10MHz / High CH / 16QAM

Band26Part22 / 10MHz / High CH / 64QAM

Band26Part22 / 15MHz / Low CH / QPSK



Band26Part22 / 15MHz / Low CH / 16QAM



Band26Part22 / 15MHz / Low CH / 64QAM

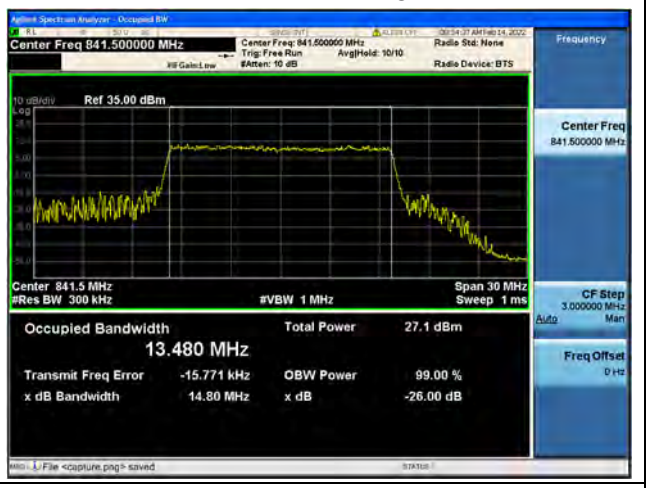
Band26Part22 / 15MHz / Mid CH / QPSK

Band26Part22 / 15MHz / Mid CH / 16QAM

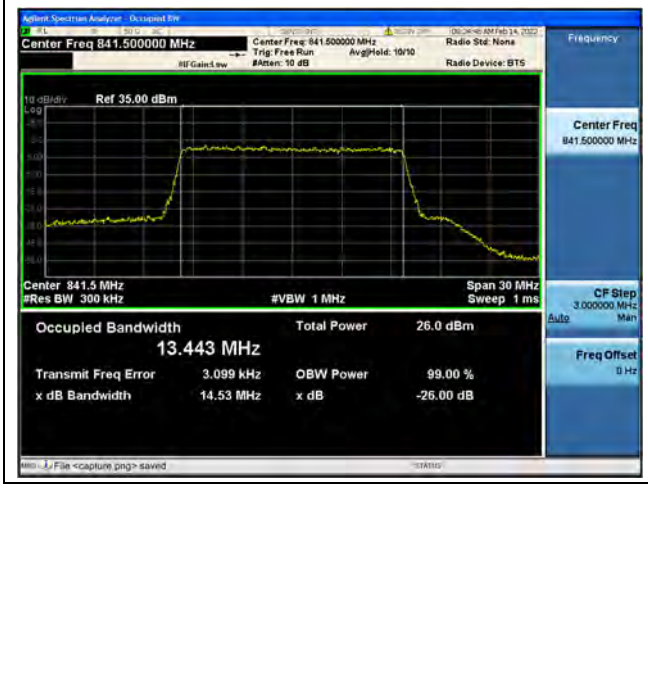
Band26Part22 / 15MHz / Mid CH / 64QAM

Band26Part22 / 15MHz / High CH / QPSK

Band26Part22 / 15MHz / High CH / 16QAM

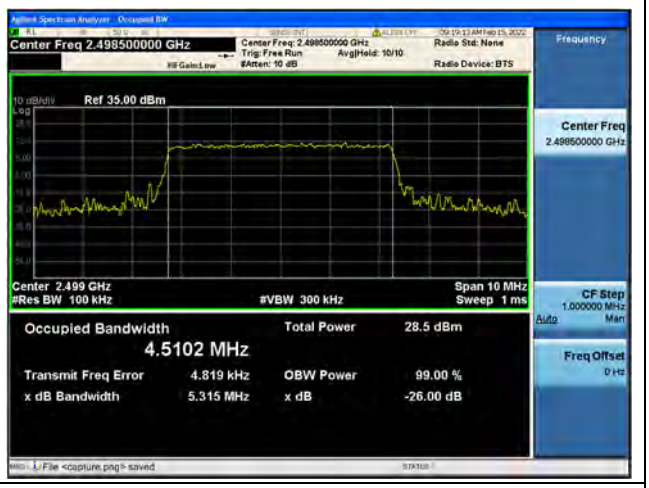


Band26Part22 / 15MHz / High CH / 64QAM

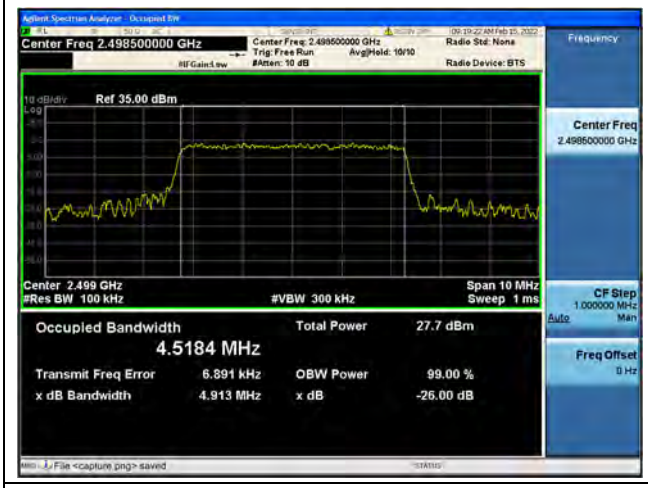


Band41 / 5MHz / Low CH / QPSK

Band41 / 5MHz / Low CH / 16QAM

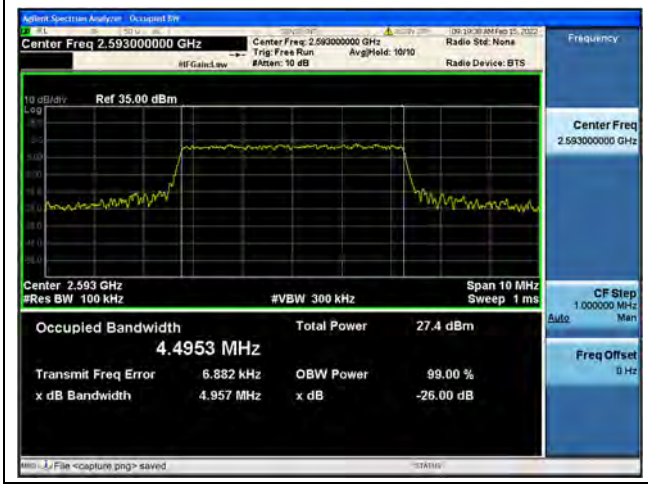


Band41 / 5MHz / Low CH / 64QAM



Band41 / 5MHz / Mid CH / QPSK

Band41 / 5MHz / Mid CH / 16QAM

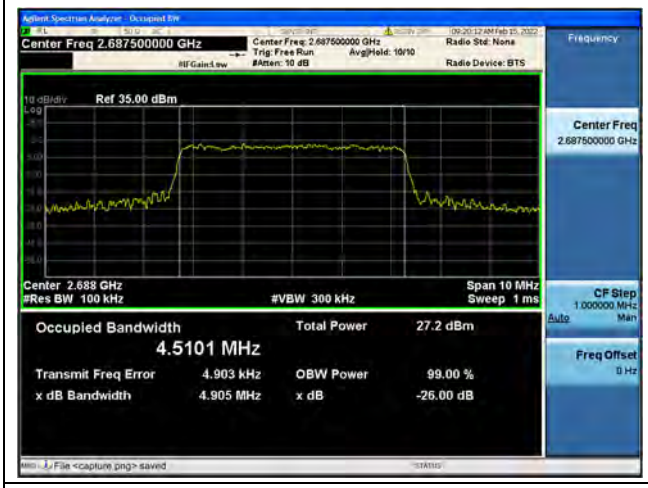


Band41 / 5MHz / Mid CH / 64QAM

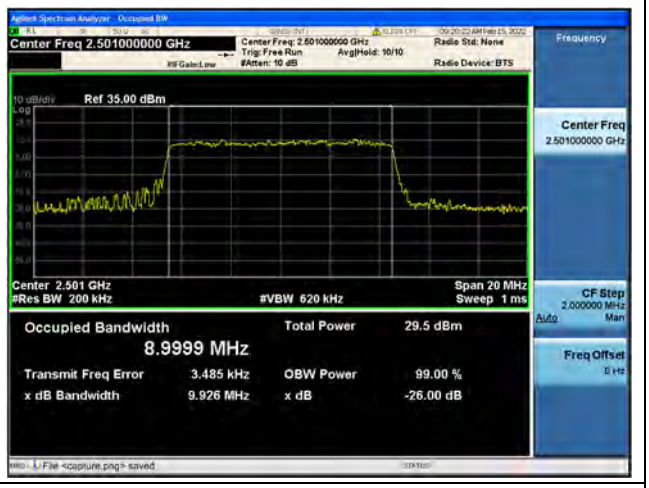
Band41 / 5MHz / High CH / QPSK

Band41 / 5MHz / High CH / 16QAM

Band41 / 5MHz / High CH / 64QAM

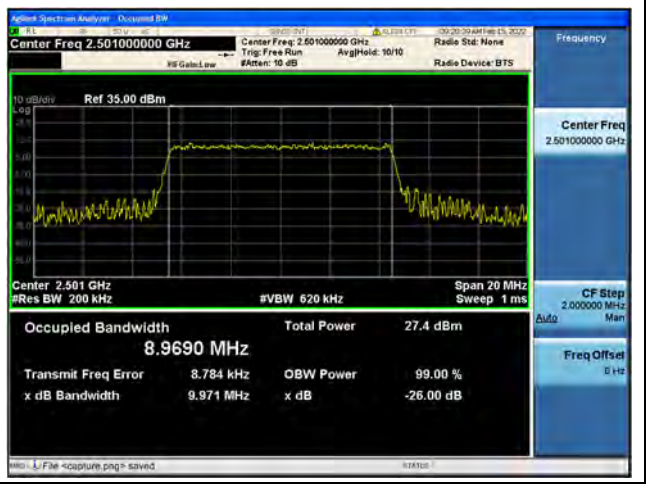


Band41 / 10MHz / Low CH / QPSK



Band41 / 10MHz / Low CH / 16QAM

Band41 / 10MHz / Low CH / 64QAM



Band41 / 10MHz / Mid CH / QPSK

Band41 / 10MHz / Mid CH / 16QAM

Band41 / 10MHz / Mid CH / 64QAM

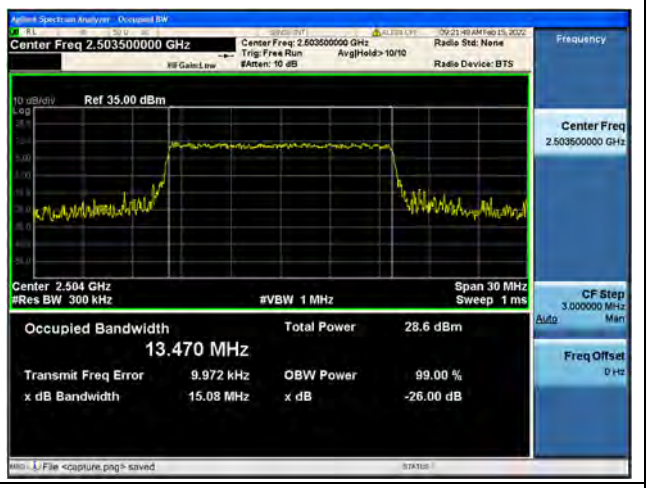
Band41 / 10MHz / High CH / QPSK

Band41 / 10MHz / High CH / 16QAM

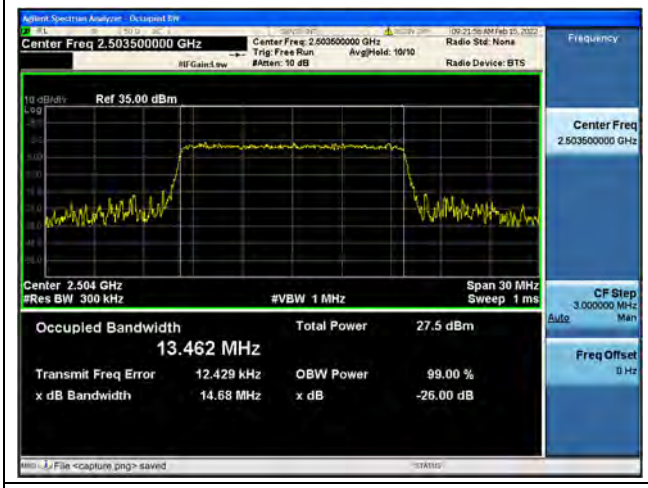
Band41 / 10MHz / High CH / 64QAM

Band41 / 15MHz / Low CH / QPSK

Band41 / 15MHz / Low CH / 16QAM



Band41 / 15MHz / Low CH / 64QAM



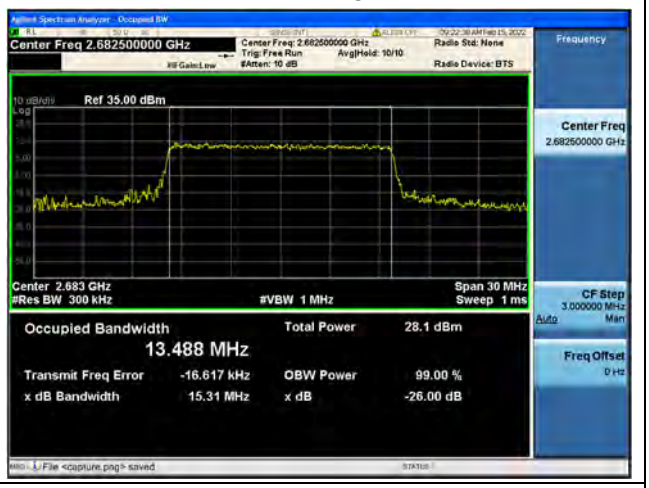
Band41 / 15MHz / Mid CH / QPSK

Band41 / 15MHz / Mid CH / 16QAM

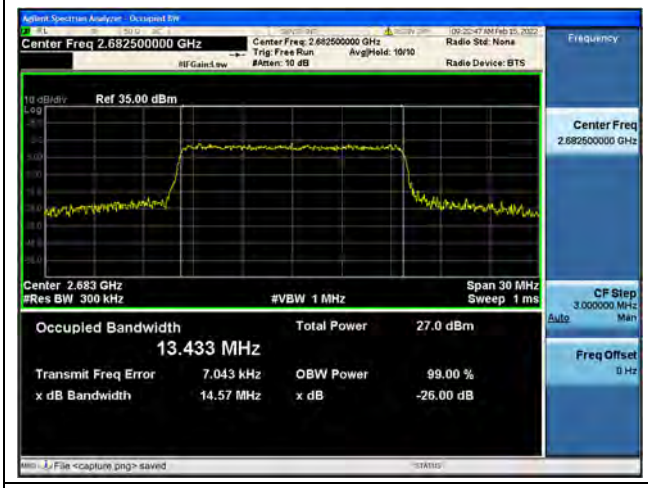
Band41 / 15MHz / Mid CH / 64QAM

Band41 / 15MHz / High CH / QPSK

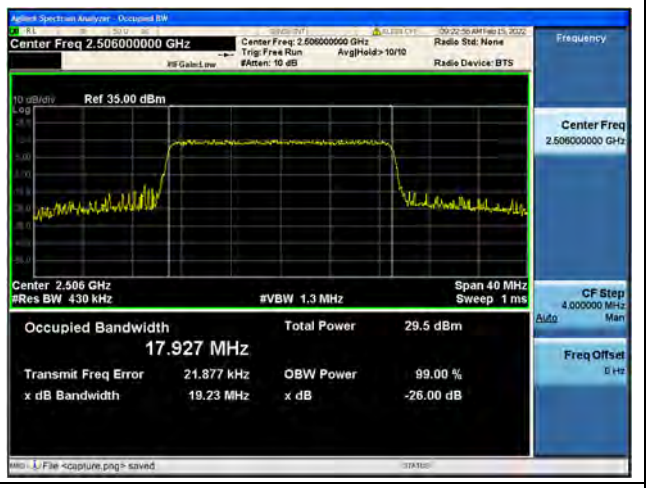
Band41 / 15MHz / High CH / 16QAM



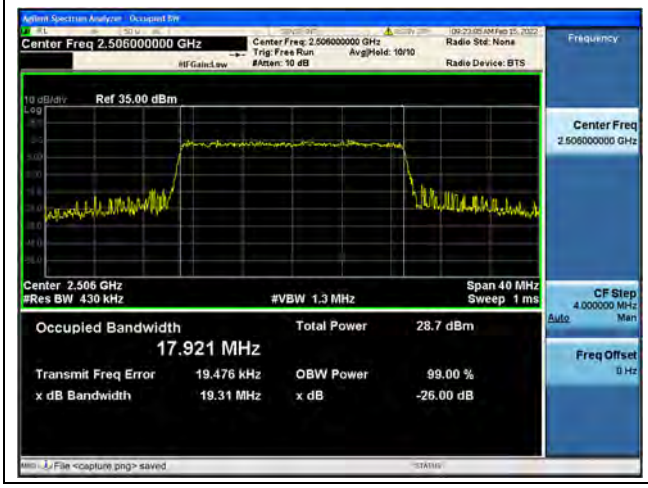
Band41 / 15MHz / High CH / 64QAM



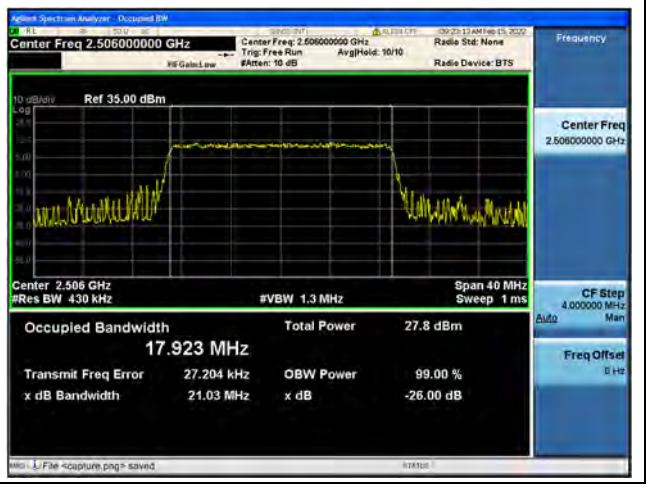
Band41 / 20MHz / Low CH / QPSK



Band41 / 20MHz / Low CH / 16QAM

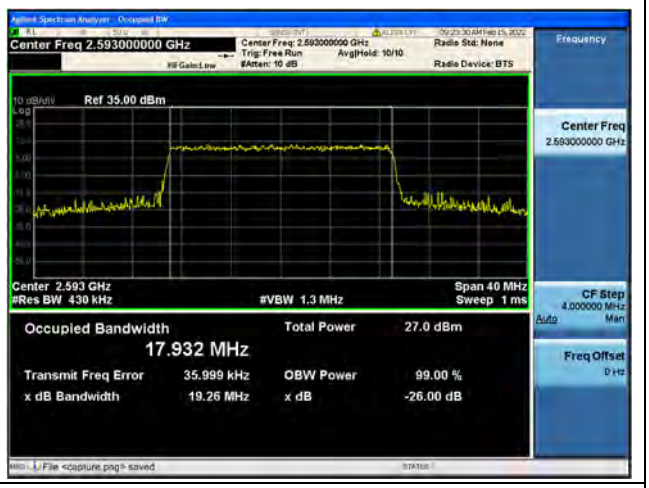


Band41 / 20MHz / Low CH / 64QAM



Band41 / 20MHz / Mid CH / QPSK

Band41 / 20MHz / Mid CH / 16QAM

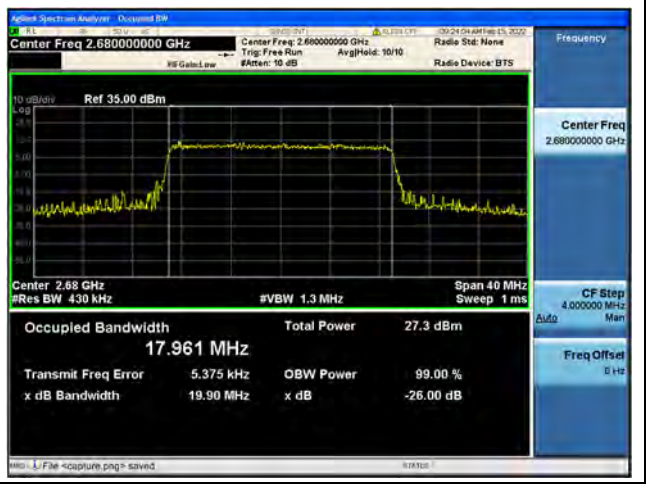


Band41 / 20MHz / Mid CH / 64QAM

Band41 / 20MHz / High CH / QPSK

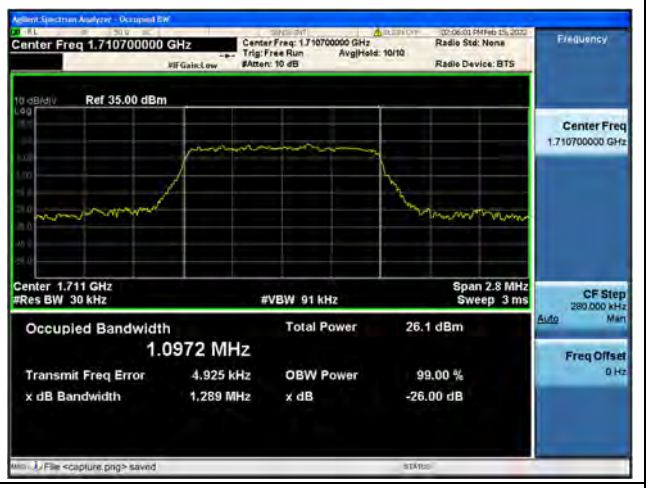
Band41 / 20MHz / High CH / 16QAM

Band41 / 20MHz / High CH / 64QAM



Band66 / 1.4MHz / Low CH / QPSK

Band66 / 1.4MHz / Low CH / 16QAM



Band66 / 1.4MHz / Low CH / 64QAM

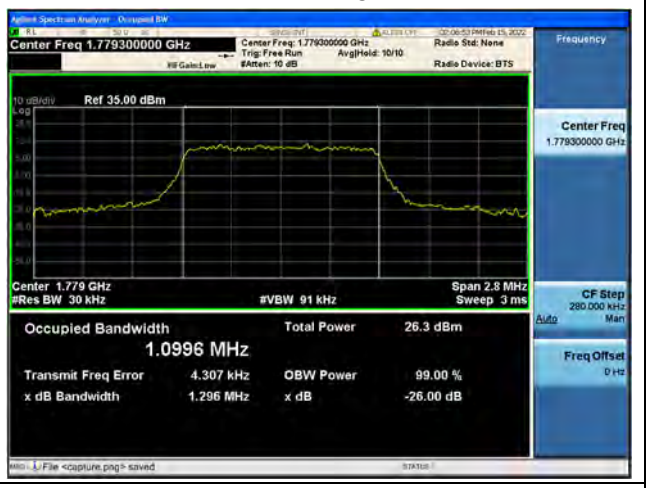
Band66 / 1.4MHz / Mid CH / QPSK

Band66 / 1.4MHz / Mid CH / 16QAM

Band66 / 1.4MHz / Mid CH / 64QAM

Band66 / 1.4MHz / High CH / QPSK

Band66 / 1.4MHz / High CH / 16QAM



Band66 / 1.4MHz / High CH / 64QAM

Band66 / 3MHz / Low CH / QPSK

Band66 / 3MHz / Low CH / 16QAM

Band66 / 3MHz / Low CH / 64QAM

Band66 / 3MHz / Mid CH / QPSK

Band66 / 3MHz / Mid CH / 16QAM

Band66 / 3MHz / Mid CH / 64QAM

Band66 / 3MHz / High CH / QPSK

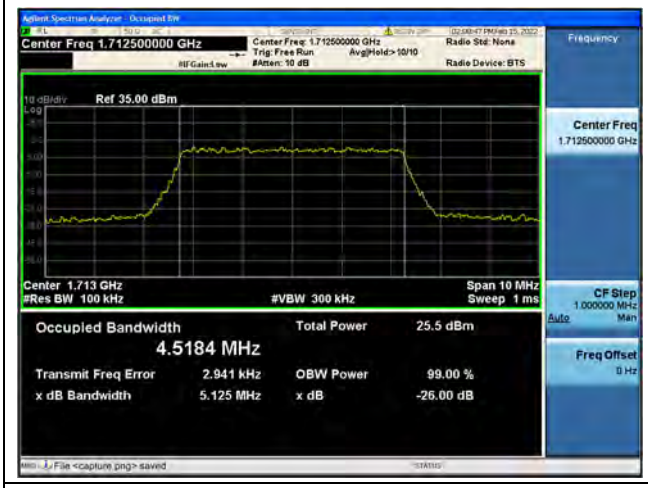
Band66 / 3MHz / High CH / 16QAM

Band66 / 3MHz / High CH / 64QAM

Band66 / 5MHz / Low CH / QPSK

Band66 / 5MHz / Low CH / 16QAM

Band66 / 5MHz / Low CH / 64QAM

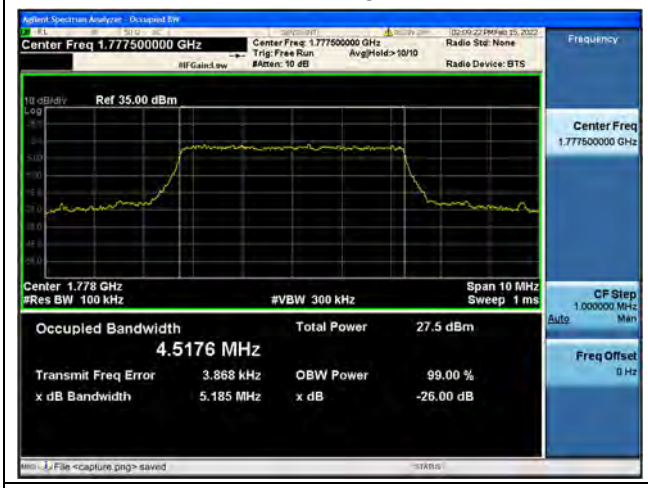


Band66 / 5MHz / Mid CH / QPSK

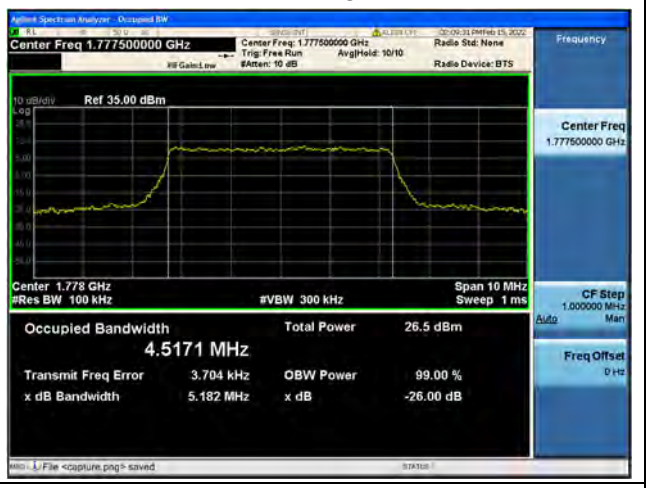
Band66 / 5MHz / Mid CH / 16QAM

Band66 / 5MHz / Mid CH / 64QAM

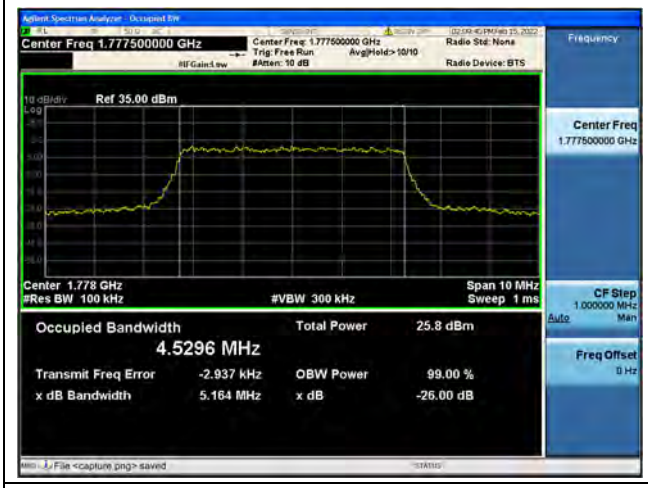
Band66 / 5MHz / High CH / QPSK



Band66 / 5MHz / High CH / 16QAM



Band66 / 5MHz / High CH / 64QAM



Band66 / 10MHz / Low CH / QPSK

Band66 / 10MHz / Low CH / 16QAM

Band66 / 10MHz / Low CH / 64QAM

Band66 / 10MHz / Mid CH / QPSK

Band66 / 10MHz / Mid CH / 16QAM

Band66 / 10MHz / Mid CH / 64QAM

Band66 / 10MHz / High CH / QPSK

Band66 / 10MHz / High CH / 16QAM

Band66 / 10MHz / High CH / 64QAM

Band66 / 15MHz / Low CH / QPSK

Band66 / 15MHz / Low CH / 16QAM

Band66 / 15MHz / Low CH / 64QAM

Band66 / 15MHz / Mid CH / QPSK

Band66 / 15MHz / Mid CH / 16QAM

Band66 / 15MHz / Mid CH / 64QAM

Band66 / 15MHz / High CH / QPSK

Band66 / 15MHz / High CH / 16QAM

Band66 / 15MHz / High CH / 64QAM

Band66 / 20MHz / Low CH / QPSK

Band66 / 20MHz / Low CH / 16QAM

Band66 / 20MHz / Low CH / 64QAM

Band66 / 20MHz / Mid CH / QPSK

Band66 / 20MHz / Mid CH / 16QAM

Band66 / 20MHz / Mid CH / 64QAM

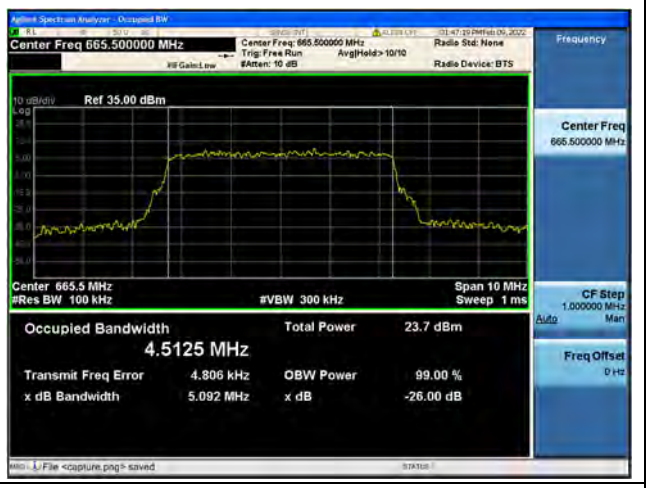
Band66 / 20MHz / High CH / QPSK

Band66 / 20MHz / High CH / 16QAM

Band66 / 20MHz / High CH / 64QAM

Band71 / 5MHz / Low CH / QPSK

Band71 / 5MHz / Low CH / 16QAM

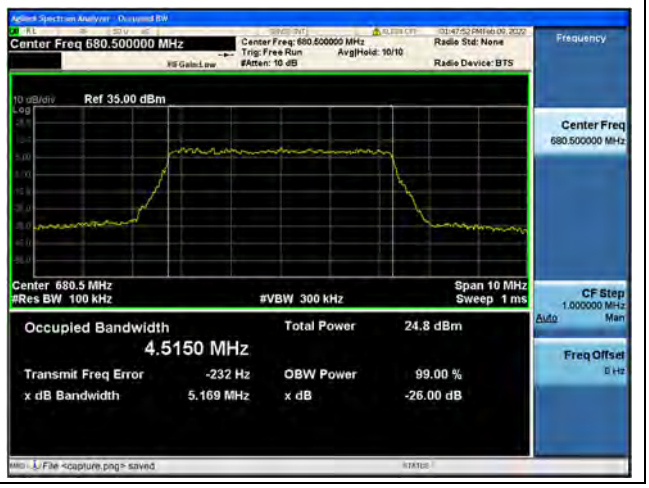


Band71 / 5MHz / Low CH / 64QAM

Band71 / 5MHz / Mid CH / QPSK

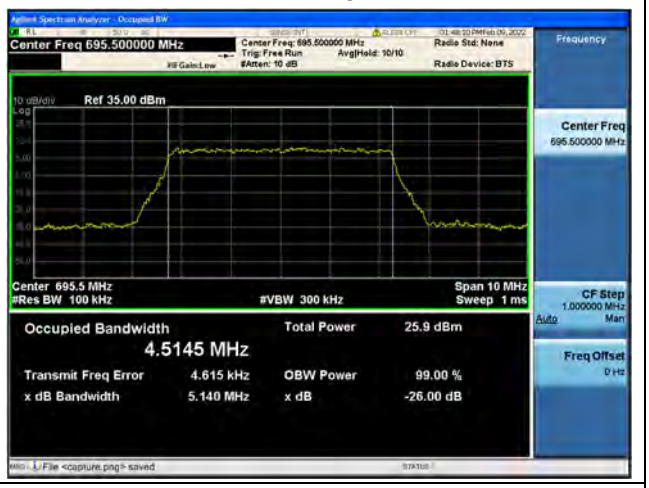
Band71 / 5MHz / Mid CH / 16QAM

Band71 / 5MHz / Mid CH / 64QAM



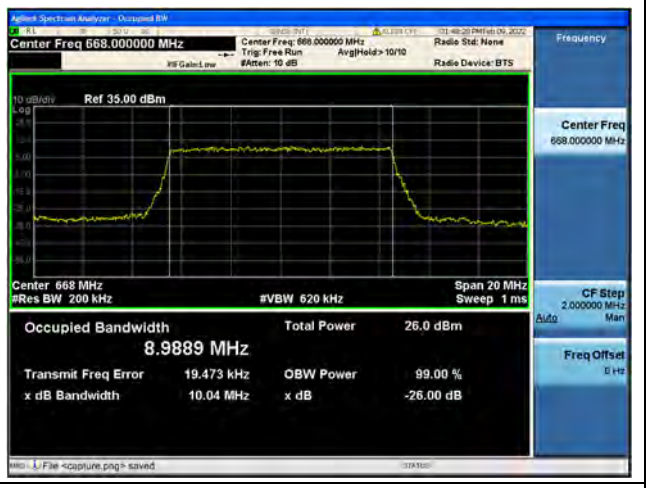
Band71 / 5MHz / High CH / QPSK

Band71 / 5MHz / High CH / 16QAM



Band71 / 5MHz / High CH / 64QAM

Band71 / 10MHz / Low CH / QPSK

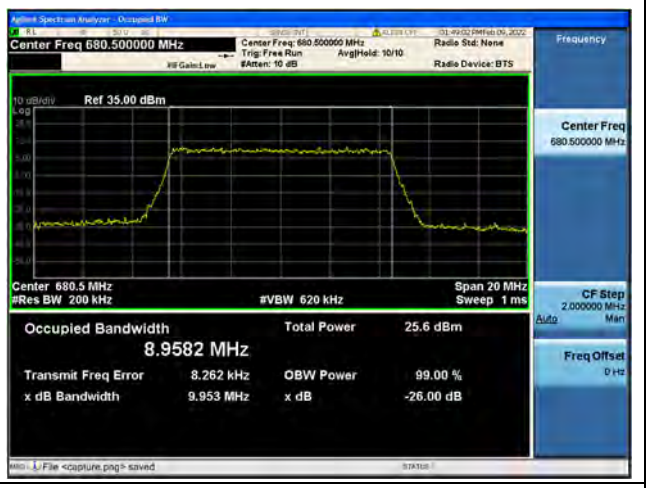


Band71 / 10MHz / Low CH / 16QAM

Band71 / 10MHz / Low CH / 64QAM

Band71 / 10MHz / Mid CH / QPSK

Band71 / 10MHz / Mid CH / 16QAM

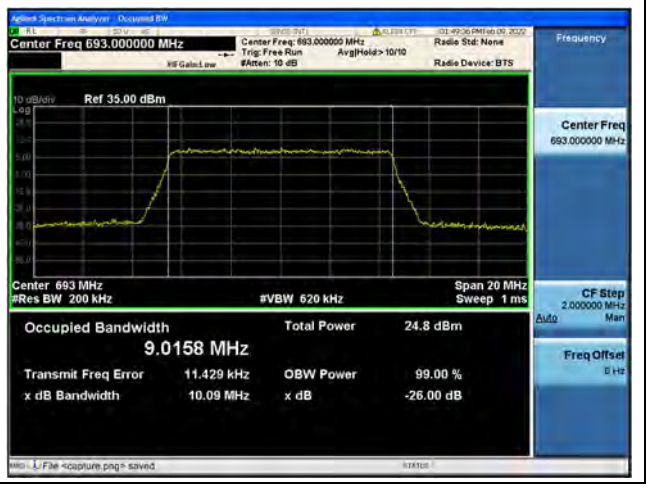


Band71 / 10MHz / Mid CH / 64QAM

Band71 / 10MHz / High CH / QPSK

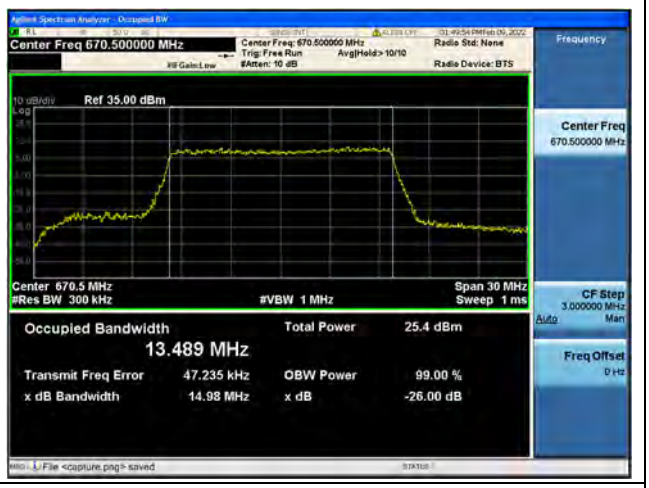
Band71 / 10MHz / High CH / 16QAM

Band71 / 10MHz / High CH / 64QAM



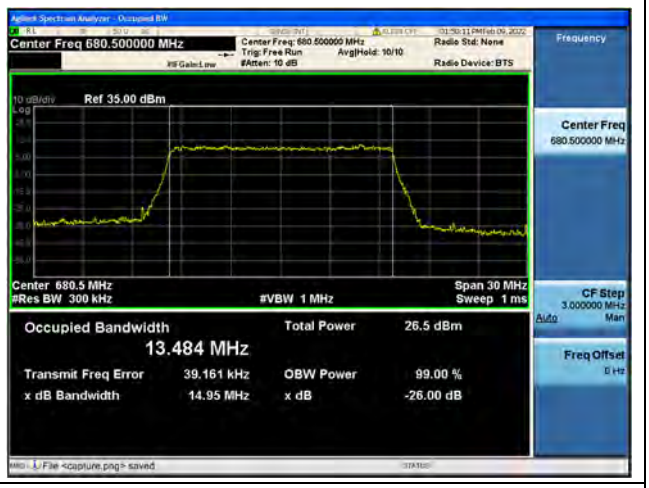
Band71 / 15MHz / Low CH / QPSK

Band71 / 15MHz / Low CH / 16QAM



Band71 / 15MHz / Low CH / 64QAM

Band71 / 15MHz / Mid CH / QPSK

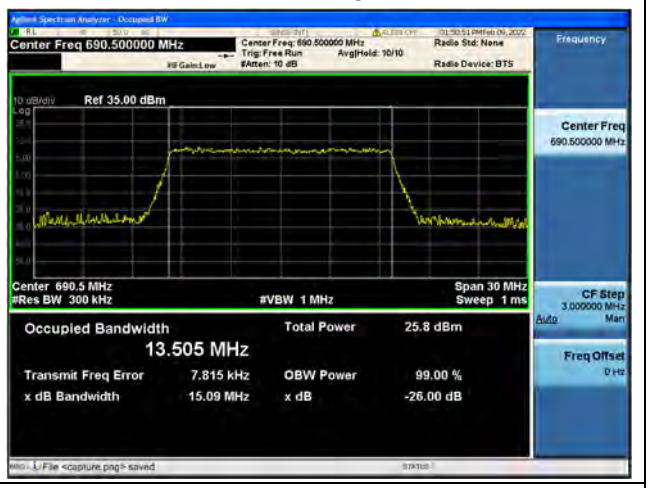


Band71 / 15MHz / Mid CH / 16QAM

Band71 / 15MHz / Mid CH / 64QAM

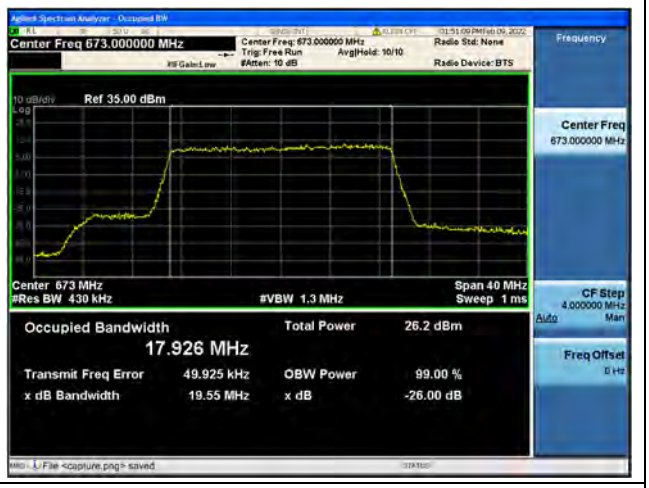
Band71 / 15MHz / High CH / QPSK

Band71 / 15MHz / High CH / 16QAM

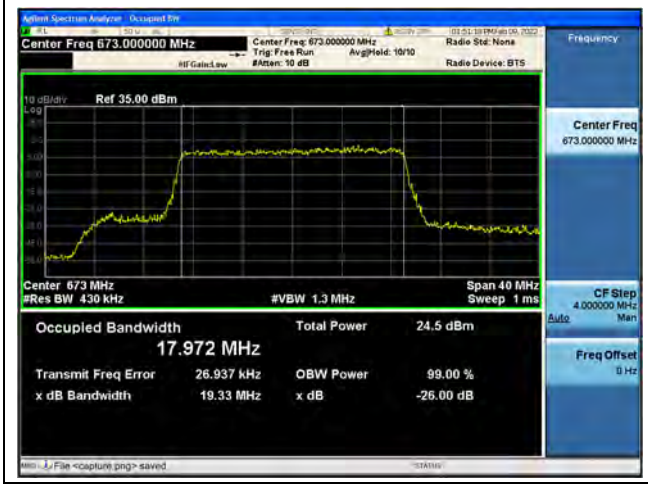


Band71 / 15MHz / High CH / 64QAM

Band71 / 20MHz / Low CH / QPSK



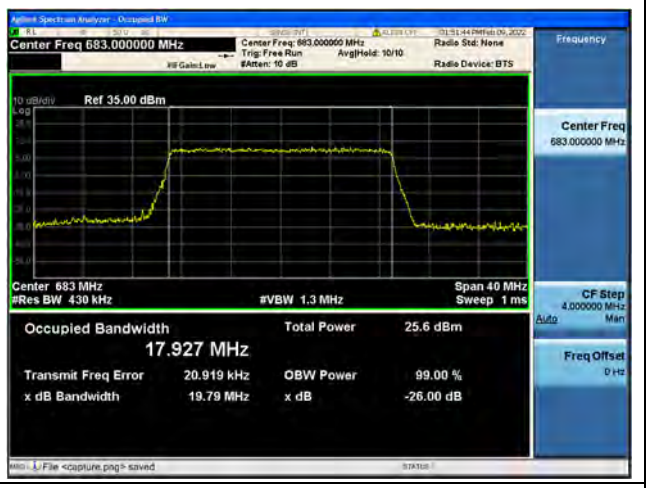
Band71 / 20MHz / Low CH / 16QAM



Band71 / 20MHz / Low CH / 64QAM

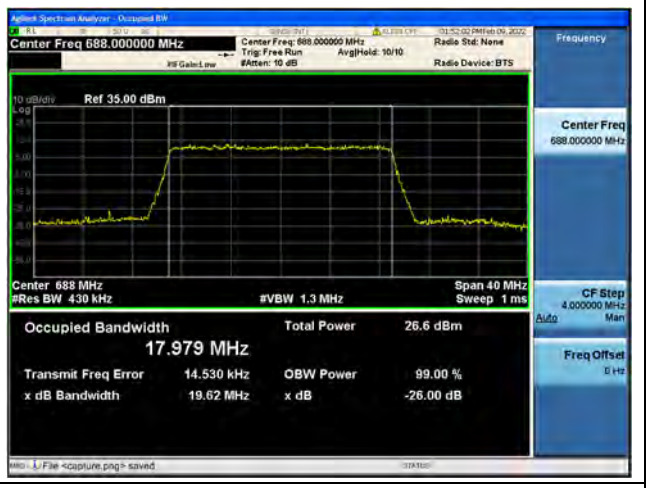
Band71 / 20MHz / Mid CH / QPSK

Band71 / 20MHz / Mid CH / 16QAM



Band71 / 20MHz / Mid CH / 64QAM

Band71 / 20MHz / High CH / QPSK



Band71 / 20MHz / High CH / 16QAM

Band71 / 20MHz / High CH / 64QAM

2.3. Frequency Stability

2.3.1. Requirement

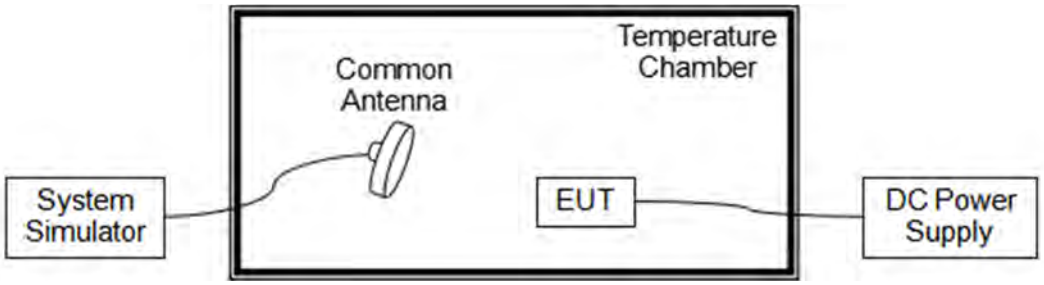
According to FCC section 2.1055, 24.235, 27.54, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

(a) The temperature is varied from -30°C to +50°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 45°C, which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test Procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

2.3.4. Test Result

The nominal, highest and lowest extreme voltages are separately 3.80V, 4.35V and 3.00V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 2, QPSK, Channel 18900, Frequency 1880.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	26	0.014	PASS
Normal		-10	39	0.021	
Normal		0	-15	-0.008	
Normal		+10	26	0.014	
Normal		+20	-20	-0.011	
Normal		+30	43	0.023	
Normal		+40	13	0.007	
Normal		+45	-48	-0.026	
High	4.35	+20	-23	-0.012	
BATT.ENDPOINT	3.00	+20	-30	-0.016	

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	3.80	+20(Ref)	49	0.028	PASS
Normal		-10	55	0.032	
Normal		0	33	0.019	
Normal		+10	49	0.028	
Normal		+20	30	0.017	
Normal		+30	-48	-0.028	
Normal		+40	46	0.027	
Normal		+45	49	0.028	
High	4.35	+20	-17	-0.010	
BATT.ENDPOINT	3.00	+20	39	0.023	

LTE Band 5, QPSK, Channel 20525, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	48	0.057	PASS
Normal		-10	36	0.043	
Normal		0	21	0.025	
Normal		+10	-34	-0.041	
Normal		+20	49	0.059	
Normal		+30	-33	-0.039	
Normal		+40	26	0.031	
Normal		+45	-32	-0.038	
High	4.35	+20	-56	-0.067	
BATT.ENDPOINT	3.00	+20	50	0.060	

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	3.80	+20(Ref)	42	0.059	PASS
Normal		-10	24	0.034	
Normal		0	21	0.030	
Normal		+10	41	0.058	
Normal		+20	-46	-0.065	
Normal		+30	-36	-0.051	
Normal		+40	-27	-0.038	
Normal		+45	-35	-0.049	
High	4.35	+20	44	0.062	
BATT.ENDPOINT	3.00	+20	-24	-0.034	

LTE Band 13, QPSK, Channel 23230, Frequency 782.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	27	0.035	PASS
Normal		-10	24	0.031	
Normal		0	38	0.049	
Normal		+10	42	0.054	
Normal		+20	52	0.066	
Normal		+30	19	0.024	
Normal		+40	13	0.017	
Normal		+45	39	0.050	
High	4.35	+20	56	0.072	
BATT.ENDPOINT	3.00	+20	43	0.055	

LTE Band 25, QPSK, Channel 26365, Frequency 1882.5MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	19	0.010	PASS
Normal		-10	46	0.024	
Normal		0	28	0.015	
Normal		+10	20	0.011	
Normal		+20	17	0.009	
Normal		+30	26	0.014	
Normal		+40	-53	-0.028	
Normal		+45	-49	-0.026	
High	4.35	+20	53	0.028	
BATT.ENDPOINT	3.00	+20	22	0.012	

LTE Band 26, QPSK, Channel 26915, Frequency 836.5MHz Limit=±2.5ppm					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	38	0.045	PASS
Normal		-10	-40	-0.048	
Normal		0	24	0.029	
Normal		+10	42	0.050	
Normal		+20	30	0.036	
Normal		+30	-18	-0.022	
Normal		+40	-34	-0.041	
Normal		+45	-57	-0.068	
High	4.35	+20	37	0.044	
BATT.ENDPOINT	3.00	+20	41	0.049	

LTE Band 41, QPSK, Channel 40620, Frequency 2593MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	48	0.019	PASS
Normal		-10	27	0.010	
Normal		0	50	0.019	
Normal		+10	17	0.007	
Normal		+20	23	0.009	
Normal		+30	-22	-0.008	
Normal		+40	20	0.008	
Normal		+45	38	0.015	
High	4.35	+20	27	0.010	
BATT.ENDPOINT	3.00	+20	51	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	3.80	+20(Ref)	48	0.028	PASS
Normal		-10	-48	-0.028	
Normal		0	46	0.026	
Normal		+10	25	0.014	
Normal		+20	34	0.019	
Normal		+30	27	0.015	
Normal		+40	14	0.008	
Normal		+45	-51	-0.029	
High	4.35	+20	33	0.019	
BATT.ENDPOINT	3.00	+20	-25	-0.014	

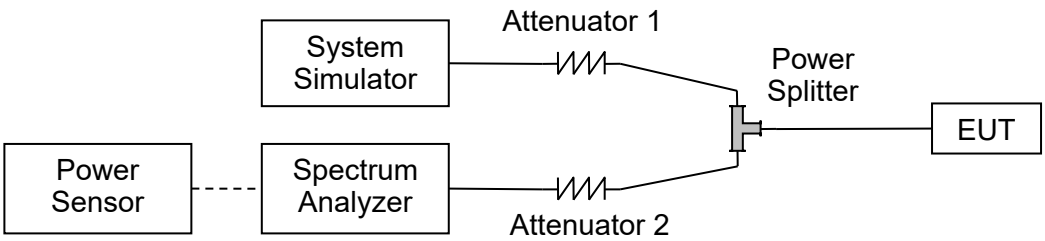
LTE Band 71, QPSK, Channel 133322, Frequency 683.0MHz Limit =Within Authorized Band					
Voltage (%)	**Power (VDC)**	**Temp(°C)**	**Fre. Dev.(Hz)**	**Deviation (ppm)**	**Result**
Normal	3.80	+20(Ref)	-41	-0.060	PASS
Normal		-10	-37	-0.054	
Normal		0	-34	-0.050	
Normal		+10	-16	-0.023	
Normal		+20	21	0.031	
Normal		+30	-18	-0.026	
Normal		+40	20	0.029	
Normal		+45	39	0.057	
High	4.35	+20	24	0.035	
BATT.ENDPOINT	3.00	+20	-44	-0.064	

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	5.44	<=13	PASS
	Low	16QAM	6.43	<=13	PASS
	Low	64QAM	6.60	<=13	PASS
	Mid	QPSK	5.52	<=13	PASS
	Mid	16QAM	6.30	<=13	PASS
	Mid	64QAM	6.58	<=13	PASS
	High	QPSK	5.60	<=13	PASS
	High	16QAM	6.36	<=13	PASS
	High	64QAM	6.74	<=13	PASS
3	Low	QPSK	5.71	<=13	PASS
	Low	16QAM	6.53	<=13	PASS
	Low	64QAM	6.69	<=13	PASS
	Mid	QPSK	5.59	<=13	PASS
	Mid	16QAM	6.41	<=13	PASS
	Mid	64QAM	6.59	<=13	PASS
	High	QPSK	5.64	<=13	PASS
	High	16QAM	6.44	<=13	PASS
	High	64QAM	6.75	<=13	PASS
5	Low	QPSK	5.85	<=13	PASS
	Low	16QAM	6.50	<=13	PASS
	Low	64QAM	6.78	<=13	PASS
	Mid	QPSK	5.75	<=13	PASS
	Mid	16QAM	6.34	<=13	PASS
	Mid	64QAM	6.67	<=13	PASS
	High	QPSK	5.72	<=13	PASS
	High	16QAM	6.35	<=13	PASS
	High	64QAM	6.64	<=13	PASS
10	Low	QPSK	5.91	<=13	PASS
	Low	16QAM	6.55	<=13	PASS
	Low	64QAM	6.77	<=13	PASS
	Mid	QPSK	5.82	<=13	PASS
	Mid	16QAM	6.42	<=13	PASS
	Mid	64QAM	6.67	<=13	PASS
	High	QPSK	5.70	<=13	PASS
	High	16QAM	6.37	<=13	PASS
	High	64QAM	6.61	<=13	PASS

15	Low	QPSK	5.88	<=13	PASS
	Low	16QAM	6.53	<=13	PASS
	Low	64QAM	6.89	<=13	PASS
	Mid	QPSK	5.80	<=13	PASS
	Mid	16QAM	6.46	<=13	PASS
	Mid	64QAM	6.78	<=13	PASS
	High	QPSK	5.67	<=13	PASS
	High	16QAM	6.38	<=13	PASS
	High	64QAM	6.72	<=13	PASS
20	Low	QPSK	5.77	<=13	PASS
	Low	16QAM	6.51	<=13	PASS
	Low	64QAM	6.80	<=13	PASS
	Mid	QPSK	5.81	<=13	PASS
	Mid	16QAM	6.49	<=13	PASS
	Mid	64QAM	6.71	<=13	PASS
	High	QPSK	5.73	<=13	PASS
	High	16QAM	6.50	<=13	PASS
	High	64QAM	6.73	<=13	PASS

LTE Band 4					
BW(MHz)	**Channel Level**	**Modulation**	**PAR Radio(dB)**	**Limit(dB)**	**Verdict**
1.4	Low	QPSK	5.47	<=13	PASS
	Low	16QAM	6.27	<=13	PASS
	Low	64QAM	6.58	<=13	PASS
	Mid	QPSK	5.55	<=13	PASS
	Mid	16QAM	6.33	<=13	PASS
	Mid	64QAM	6.59	<=13	PASS
	High	QPSK	6.21	<=13	PASS
	High	16QAM	6.90	<=13	PASS
	High	64QAM	7.00	<=13	PASS
3	Low	QPSK	5.67	<=13	PASS
	Low	16QAM	6.41	<=13	PASS
	Low	64QAM	6.62	<=13	PASS
	Mid	QPSK	5.68	<=13	PASS
	Mid	16QAM	6.40	<=13	PASS
	Mid	64QAM	6.56	<=13	PASS
	High	QPSK	6.19	<=13	PASS
	High	16QAM	6.95	<=13	PASS
	High	64QAM	6.92	<=13	PASS
5	Low	QPSK	5.77	<=13	PASS
	Low	16QAM	6.43	<=13	PASS
	Low	64QAM	6.67	<=13	PASS
	Mid	QPSK	5.77	<=13	PASS
	Mid	16QAM	6.41	<=13	PASS
	Mid	64QAM	6.62	<=13	PASS
	High	QPSK	6.12	<=13	PASS
	High	16QAM	6.78	<=13	PASS
	High	64QAM	6.86	<=13	PASS
10	Low	QPSK	5.89	<=13	PASS
	Low	16QAM	6.52	<=13	PASS
	Low	64QAM	6.79	<=13	PASS
	Mid	QPSK	5.84	<=13	PASS
	Mid	16QAM	6.43	<=13	PASS
	Mid	64QAM	6.62	<=13	PASS
	High	QPSK	6.06	<=13	PASS
	High	16QAM	6.65	<=13	PASS
	High	64QAM	6.83	<=13	PASS

15	Low	QPSK	5.93	<=13	PASS
	Low	16QAM	6.59	<=13	PASS
	Low	64QAM	6.86	<=13	PASS
	Mid	QPSK	5.77	<=13	PASS
	Mid	16QAM	6.45	<=13	PASS
	Mid	64QAM	6.66	<=13	PASS
	High	QPSK	5.94	<=13	PASS
	High	16QAM	6.61	<=13	PASS
	High	64QAM	6.80	<=13	PASS
20	Low	QPSK	5.82	<=13	PASS
	Low	16QAM	6.63	<=13	PASS
	Low	64QAM	6.80	<=13	PASS
	Mid	QPSK	5.71	<=13	PASS
	Mid	16QAM	6.50	<=13	PASS
	Mid	64QAM	6.66	<=13	PASS
	High	QPSK	5.84	<=13	PASS
	High	16QAM	6.56	<=13	PASS
	High	64QAM	6.75	<=13	PASS

LTE Band 25					
BW(MHz)	Channel Level	Modulation	PAR Radio(dB)	Limit(dB)	Verdict
1.4	Low	QPSK	4.95	<=13	PASS
	Low	16QAM	5.81	<=13	PASS
	Low	64QAM	5.80	<=13	PASS
	Mid	QPSK	7.82	<=13	PASS
	Mid	16QAM	5.71	<=13	PASS
	Mid	64QAM	5.83	<=13	PASS
	High	QPSK	4.38	<=13	PASS
	High	16QAM	5.16	<=13	PASS
	High	64QAM	5.10	<=13	PASS
3	Low	QPSK	5.09	<=13	PASS
	Low	16QAM	5.93	<=13	PASS
	Low	64QAM	5.91	<=13	PASS
	Mid	QPSK	5.14	<=13	PASS
	Mid	16QAM	5.96	<=13	PASS
	Mid	64QAM	5.91	<=13	PASS
	High	QPSK	4.28	<=13	PASS
	High	16QAM	5.07	<=13	PASS
	High	64QAM	5.12	<=13	PASS
5	Low	QPSK	5.15	<=13	PASS
	Low	16QAM	5.90	<=13	PASS
	Low	64QAM	5.87	<=13	PASS
	Mid	QPSK	5.14	<=13	PASS
	Mid	16QAM	5.90	<=13	PASS
	Mid	64QAM	5.87	<=13	PASS
	High	QPSK	4.63	<=13	PASS
	High	16QAM	5.43	<=13	PASS
	High	64QAM	5.31	<=13	PASS
10	Low	QPSK	5.15	<=13	PASS
	Low	16QAM	5.96	<=13	PASS
	Low	64QAM	5.91	<=13	PASS
	Mid	QPSK	5.21	<=13	PASS
	Mid	16QAM	5.89	<=13	PASS
	Mid	64QAM	5.90	<=13	PASS
	High	QPSK	4.88	<=13	PASS
	High	16QAM	5.59	<=13	PASS
	High	64QAM	5.58	<=13	PASS

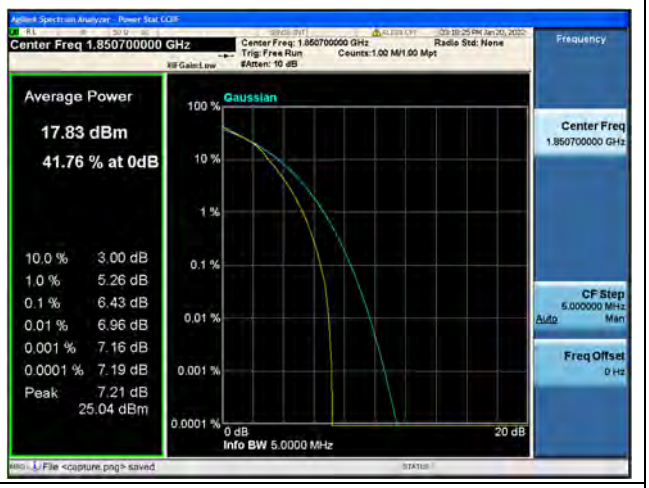
15	Low	QPSK	5.09	<=13	PASS
	Low	16QAM	5.90	<=13	PASS
	Low	64QAM	5.88	<=13	PASS
	Mid	QPSK	5.07	<=13	PASS
	Mid	16QAM	5.84	<=13	PASS
	Mid	64QAM	5.84	<=13	PASS
	High	QPSK	4.82	<=13	PASS
	High	16QAM	5.57	<=13	PASS
	High	64QAM	5.58	<=13	PASS
20	Low	QPSK	5.11	<=13	PASS
	Low	16QAM	5.92	<=13	PASS
	Low	64QAM	5.89	<=13	PASS
	Mid	QPSK	5.12	<=13	PASS
	Mid	16QAM	5.91	<=13	PASS
	Mid	64QAM	5.90	<=13	PASS
	High	QPSK	4.97	<=13	PASS
	High	16QAM	5.83	<=13	PASS
	High	64QAM	5.80	<=13	PASS

LTE Band 66					
BW(MHz)	**Channel Level**	**Modulation**	**PAR Radio(dB)**	**Limit(dB)**	**Verdict**
1.4	Low	QPSK	5.36	<=13	PASS
	Low	16QAM	6.27	<=13	PASS
	Low	64QAM	6.53	<=13	PASS
	Mid	QPSK	5.78	<=13	PASS
	Mid	16QAM	6.60	<=13	PASS
	Mid	64QAM	6.70	<=13	PASS
	High	QPSK	6.36	<=13	PASS
	High	16QAM	7.09	<=13	PASS
	High	64QAM	7.26	<=13	PASS
3	Low	QPSK	5.65	<=13	PASS
	Low	16QAM	6.46	<=13	PASS
	Low	64QAM	6.55	<=13	PASS
	Mid	QPSK	5.86	<=13	PASS
	Mid	16QAM	6.63	<=13	PASS
	Mid	64QAM	6.71	<=13	PASS
	High	QPSK	6.44	<=13	PASS
	High	16QAM	7.23	<=13	PASS
	High	64QAM	7.27	<=13	PASS
5	Low	QPSK	5.80	<=13	PASS
	Low	16QAM	6.43	<=13	PASS
	Low	64QAM	6.69	<=13	PASS
	Mid	QPSK	5.93	<=13	PASS
	Mid	16QAM	6.55	<=13	PASS
	Mid	64QAM	6.71	<=13	PASS
	High	QPSK	6.30	<=13	PASS
	High	16QAM	6.98	<=13	PASS
	High	64QAM	7.10	<=13	PASS
10	Low	QPSK	5.95	<=13	PASS
	Low	16QAM	6.57	<=13	PASS
	Low	64QAM	6.77	<=13	PASS
	Mid	QPSK	5.87	<=13	PASS
	Mid	16QAM	6.52	<=13	PASS
	Mid	64QAM	6.68	<=13	PASS
	High	QPSK	6.21	<=13	PASS
	High	16QAM	6.87	<=13	PASS
	High	64QAM	7.01	<=13	PASS

15	Low	QPSK	5.96	<=13	PASS
	Low	16QAM	6.60	<=13	PASS
	Low	64QAM	6.85	<=13	PASS
	Mid	QPSK	5.90	<=13	PASS
	Mid	16QAM	6.53	<=13	PASS
	Mid	64QAM	6.75	<=13	PASS
	High	QPSK	6.17	<=13	PASS
	High	16QAM	6.81	<=13	PASS
	High	64QAM	7.04	<=13	PASS
20	Low	QPSK	5.82	<=13	PASS
	Low	16QAM	6.62	<=13	PASS
	Low	64QAM	6.77	<=13	PASS
	Mid	QPSK	5.84	<=13	PASS
	Mid	16QAM	6.60	<=13	PASS
	Mid	64QAM	6.74	<=13	PASS
	High	QPSK	6.03	<=13	PASS
	High	16QAM	6.78	<=13	PASS
	High	64QAM	6.95	<=13	PASS

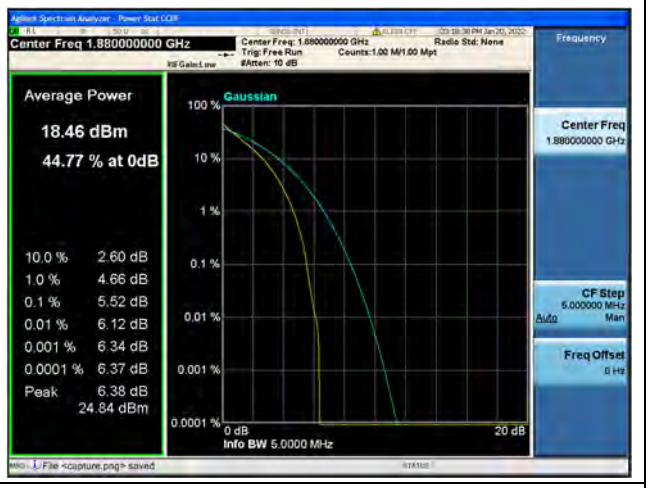
Band2 / 1.4MHz / Low CH / QPSK

Band2 / 1.4MHz / Low CH / 16QAM



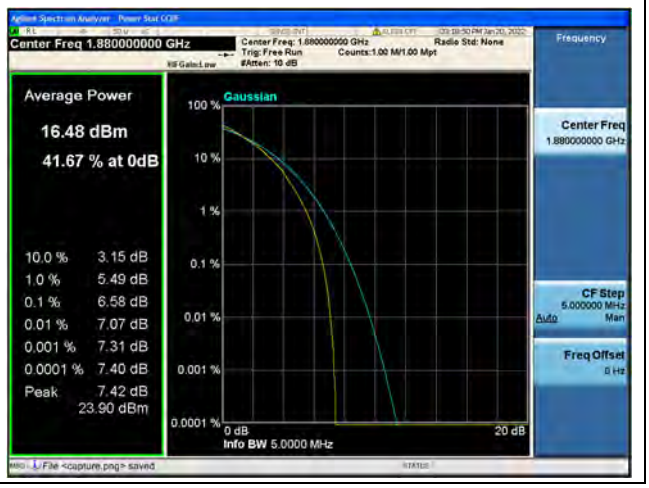
Band2 / 1.4MHz / Low CH / 64QAM

Band2 / 1.4MHz / Mid CH / QPSK



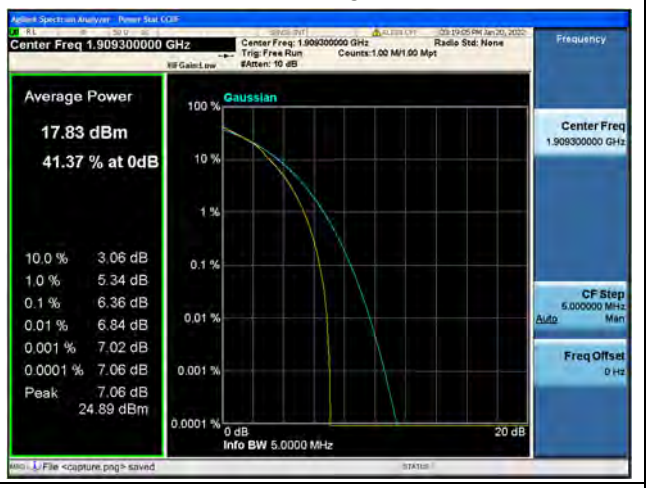
Band2 / 1.4MHz / Mid CH / 16QAM

Band2 / 1.4MHz / Mid CH / 64QAM



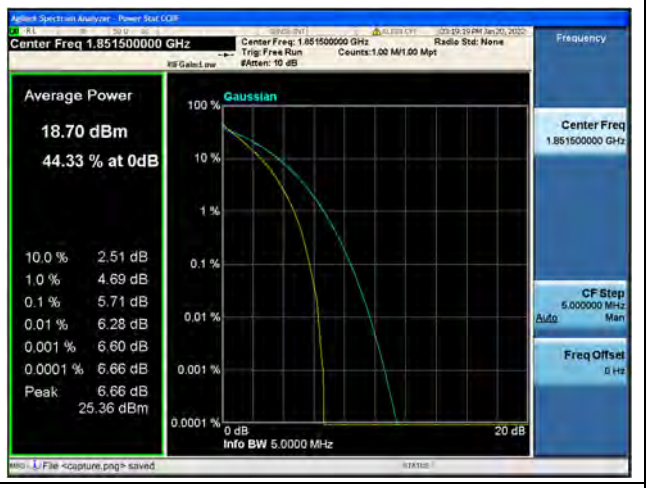
Band2 / 1.4MHz / High CH / QPSK

Band2 / 1.4MHz / High CH / 16QAM



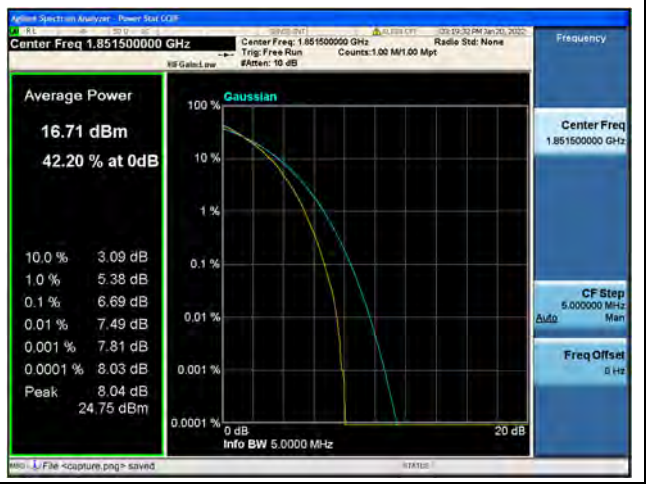
Band2 / 1.4MHz / High CH / 64QAM

Band2 / 3MHz / Low CH / QPSK

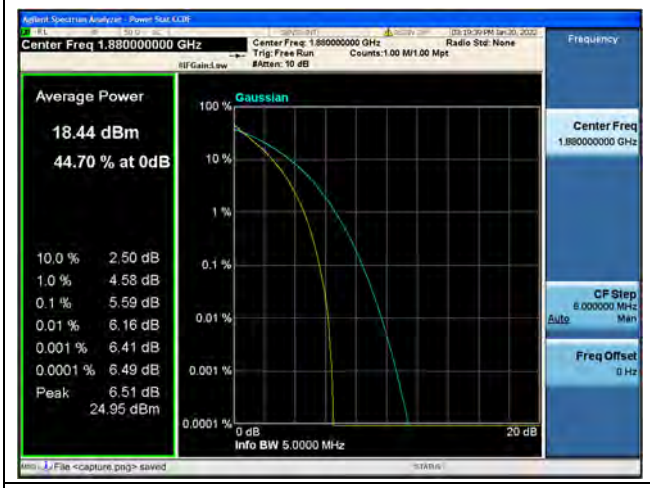


Band2 / 3MHz / Low CH / 16QAM

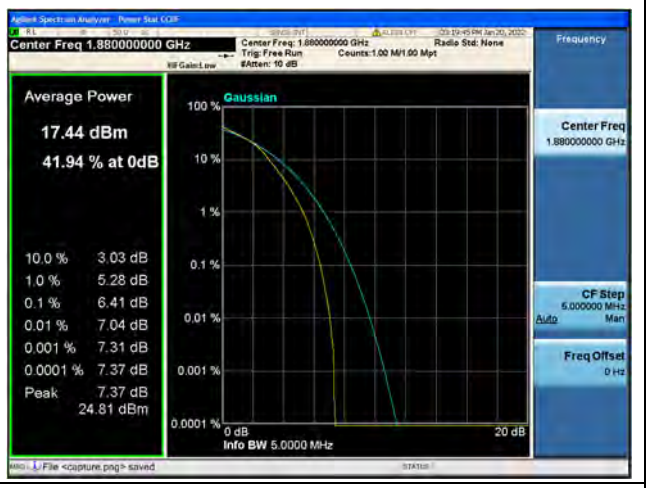
Band2 / 3MHz / Low CH / 64QAM



Band2 / 3MHz / Mid CH / QPSK

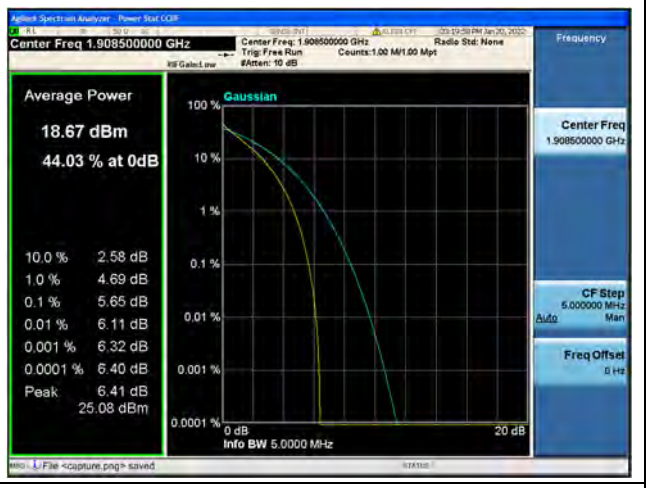


Band2 / 3MHz / Mid CH / 16QAM



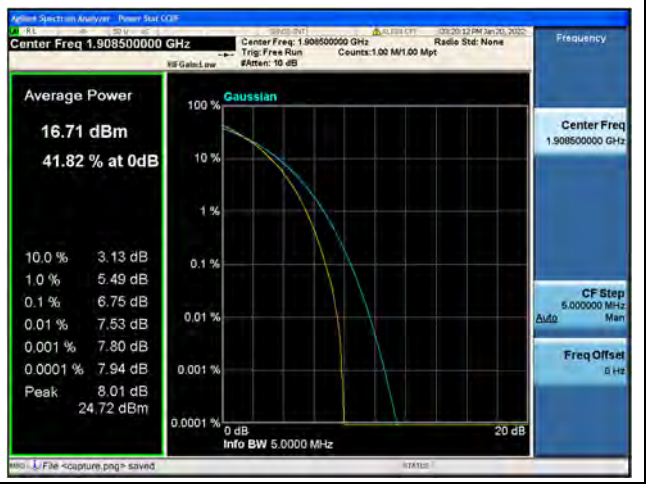
Band2 / 3MHz / Mid CH / 64QAM

Band2 / 3MHz / High CH / QPSK



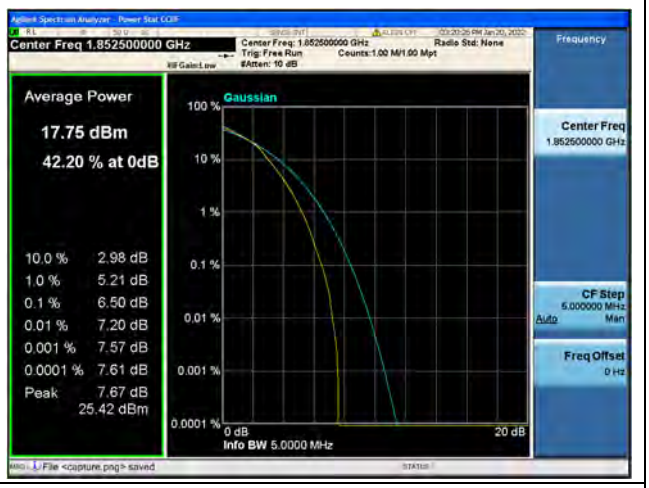
Band2 / 3MHz / High CH / 16QAM

Band2 / 3MHz / High CH / 64QAM



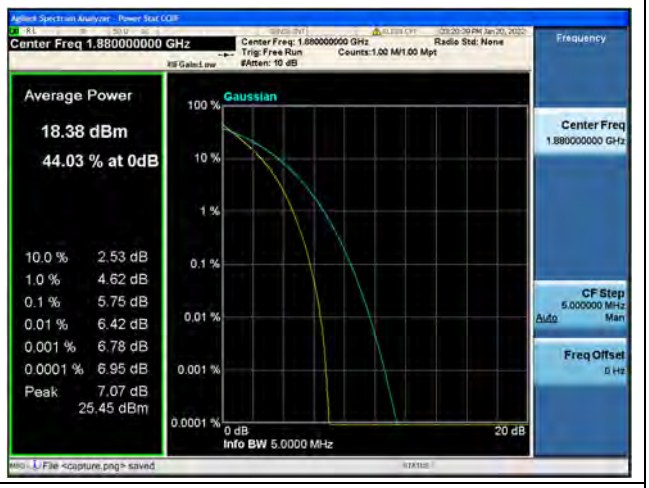
Band2 / 5MHz / Low CH / QPSK

Band2 / 5MHz / Low CH / 16QAM



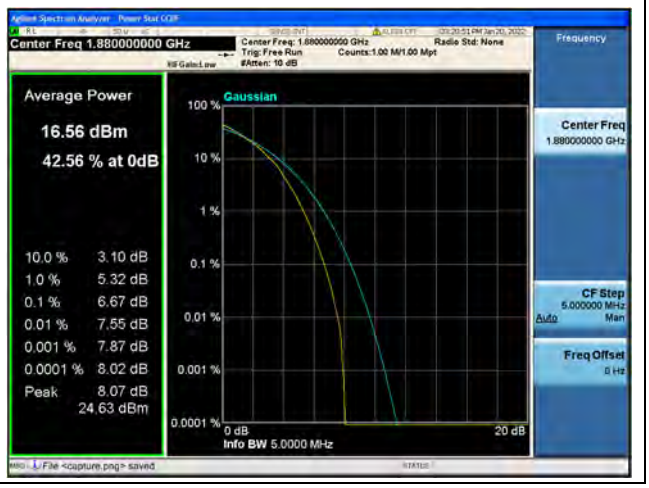
Band2 / 5MHz / Low CH / 64QAM

Band2 / 5MHz / Mid CH / QPSK



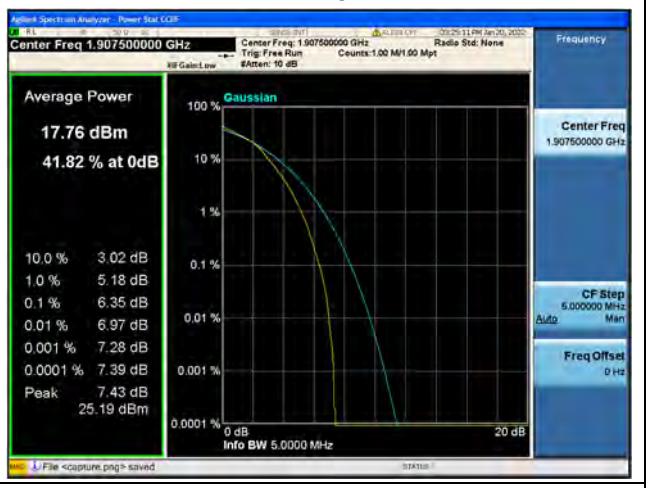
Band2 / 5MHz / Mid CH / 16QAM

Band2 / 5MHz / Mid CH / 64QAM



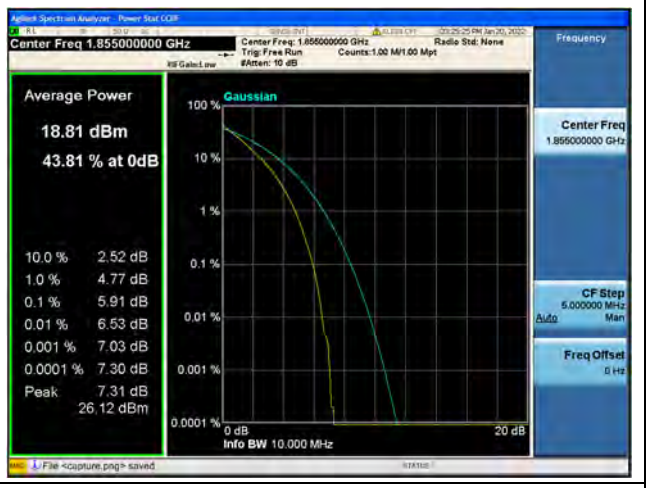
Band2 / 5MHz / High CH / QPSK

Band2 / 5MHz / High CH / 16QAM



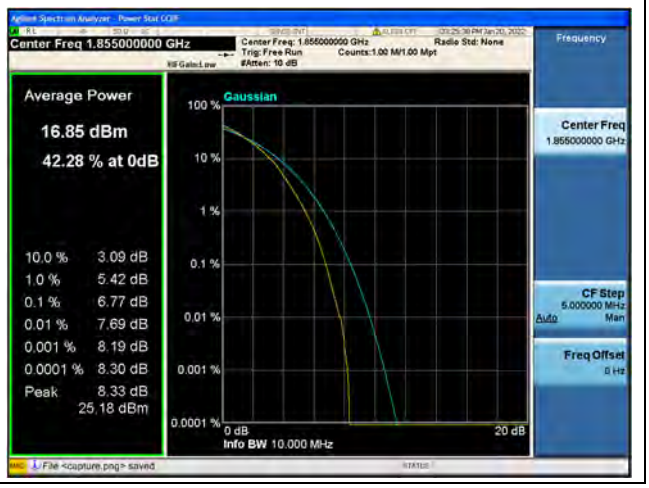
Band2 / 5MHz / High CH / 64QAM

Band2 / 10MHz / Low CH / QPSK



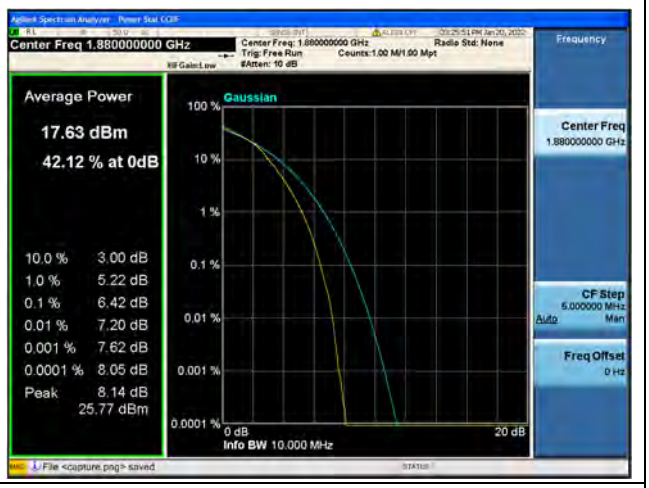
Band2 / 10MHz / Low CH / 16QAM

Band2 / 10MHz / Low CH / 64QAM



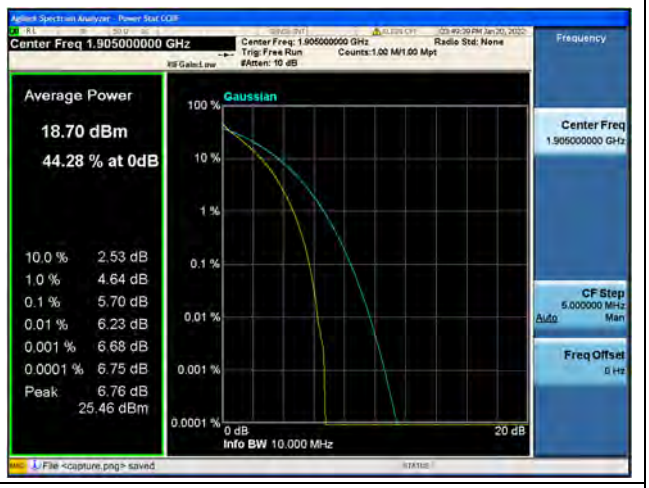
Band2 / 10MHz / Mid CH / QPSK

Band2 / 10MHz / Mid CH / 16QAM

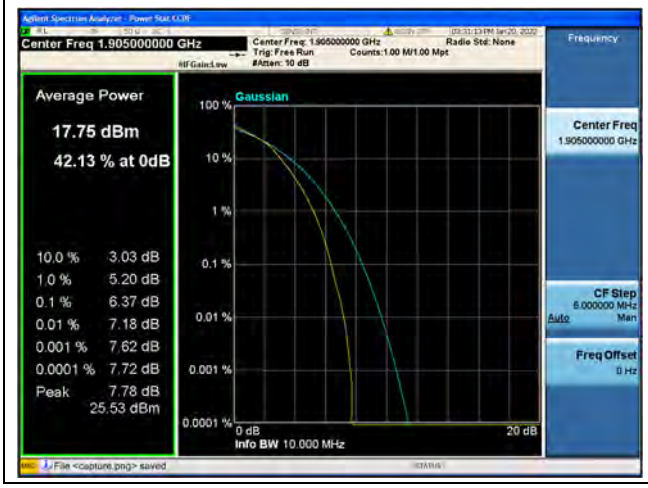


Band2 / 10MHz / Mid CH / 64QAM

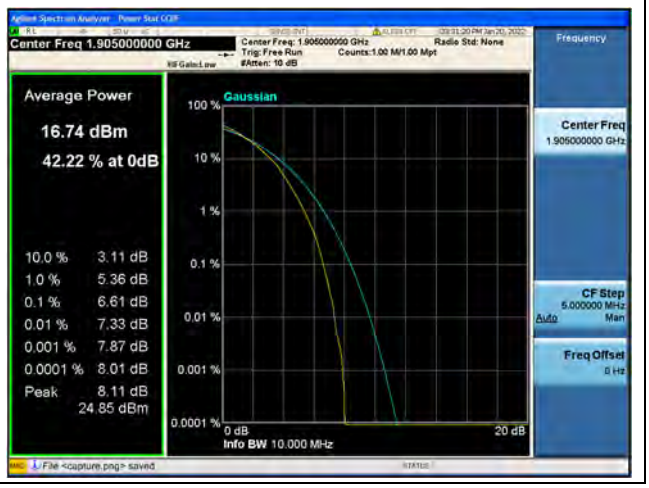
Band2 / 10MHz / High CH / QPSK



Band2 / 10MHz / High CH / 16QAM

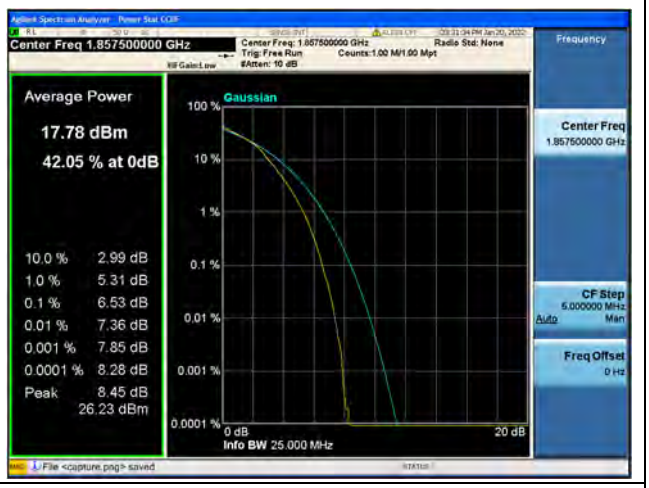


Band2 / 10MHz / High CH / 64QAM



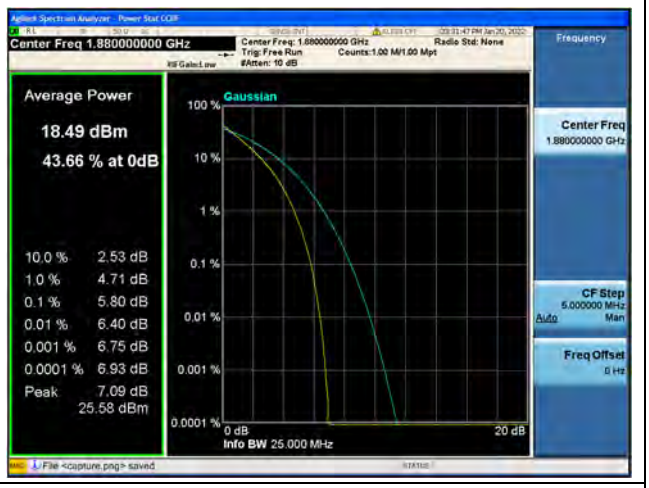
Band2 / 15MHz / Low CH / QPSK

Band2 / 15MHz / Low CH / 16QAM



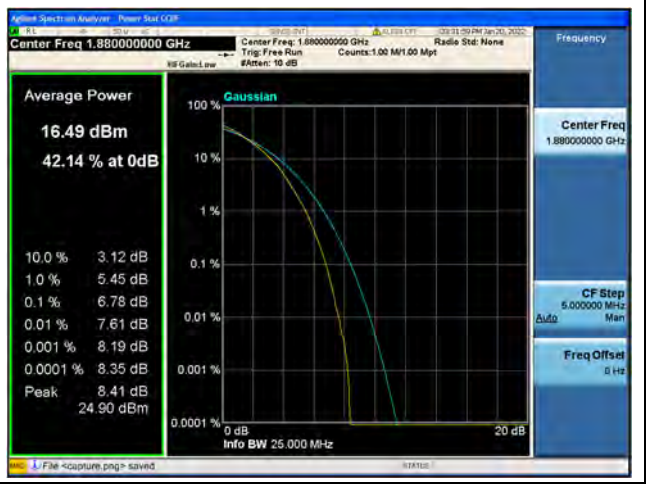
Band2 / 15MHz / Low CH / 64QAM

Band2 / 15MHz / Mid CH / QPSK



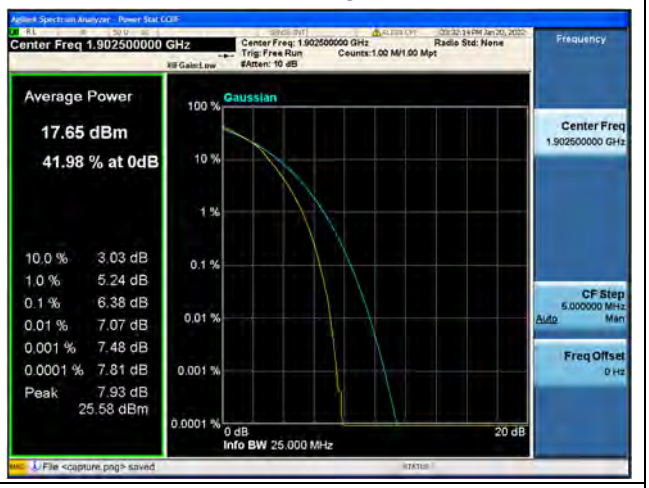
Band2 / 15MHz / Mid CH / 16QAM

Band2 / 15MHz / Mid CH / 64QAM



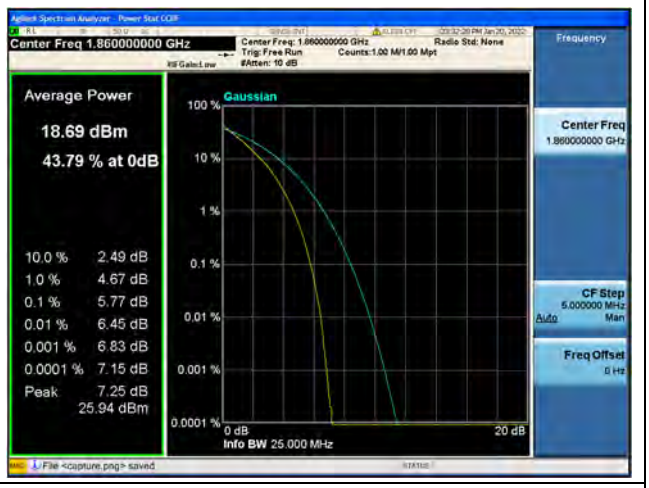
Band2 / 15MHz / High CH / QPSK

Band2 / 15MHz / High CH / 16QAM

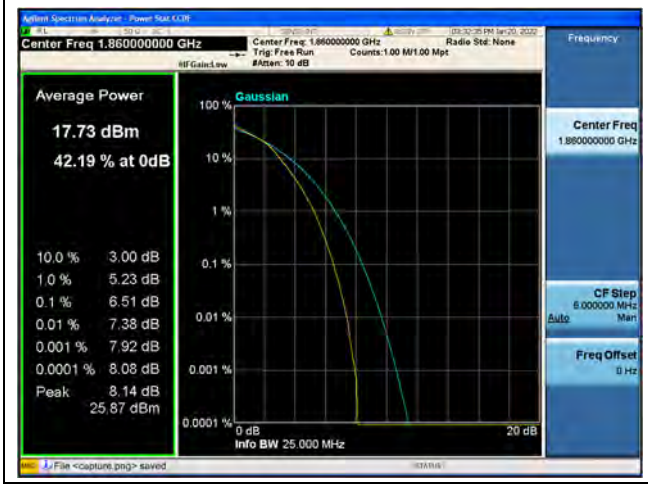


Band2 / 15MHz / High CH / 64QAM

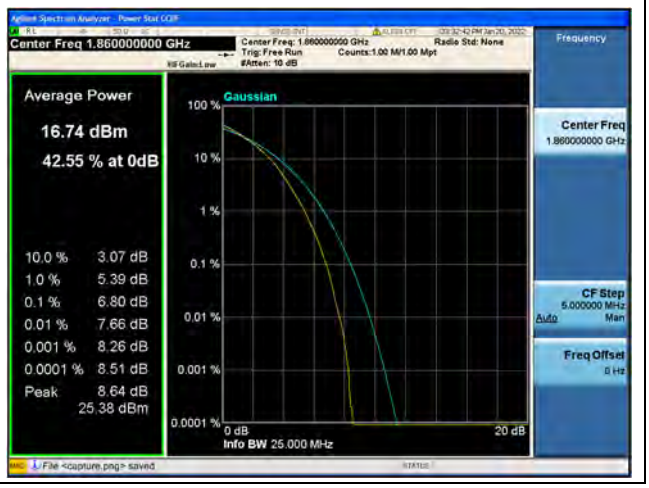
Band2 / 20MHz / Low CH / QPSK



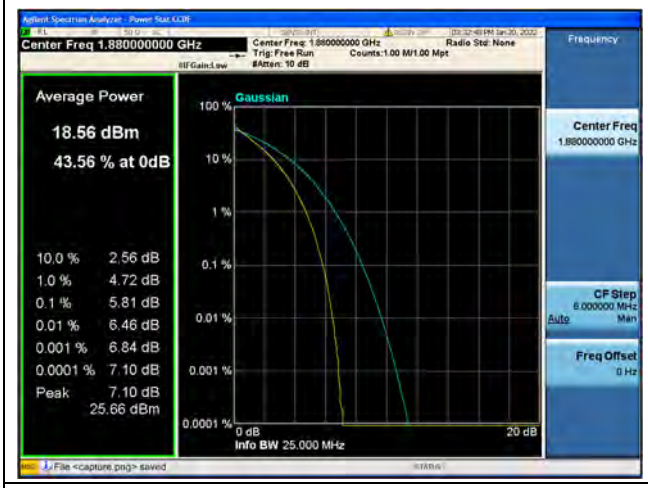
Band2 / 20MHz / Low CH / 16QAM



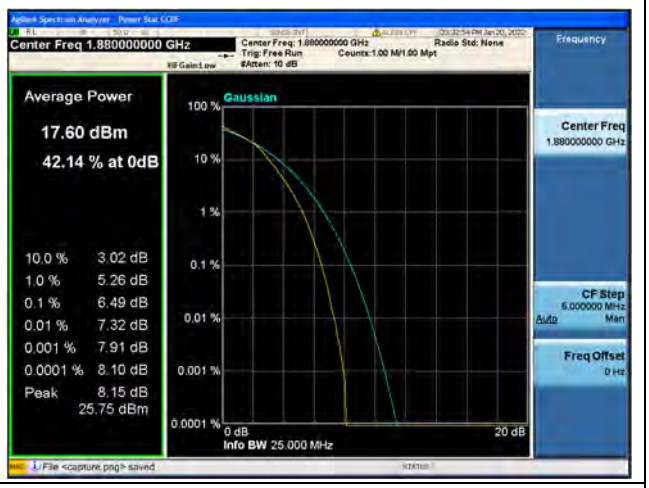
Band2 / 20MHz / Low CH / 64QAM



Band2 / 20MHz / Mid CH / QPSK

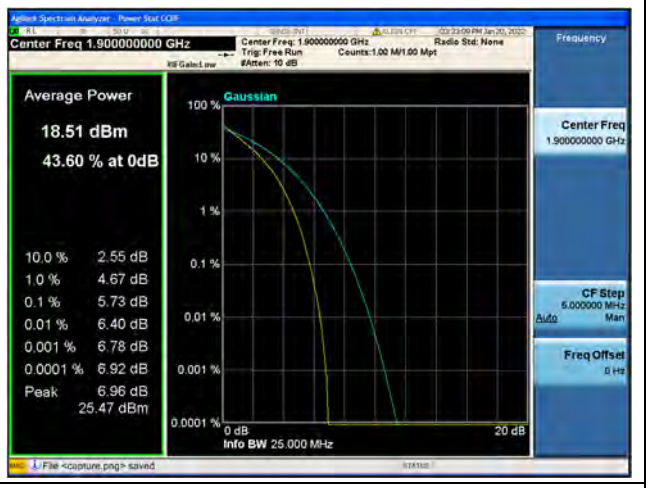


Band2 / 20MHz / Mid CH / 16QAM

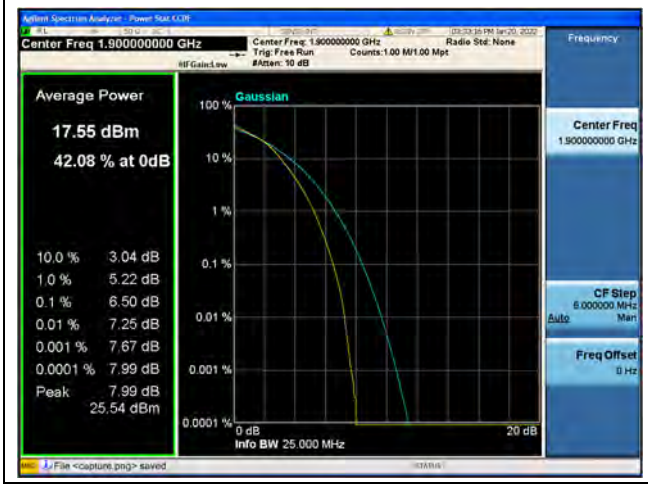


Band2 / 20MHz / Mid CH / 64QAM

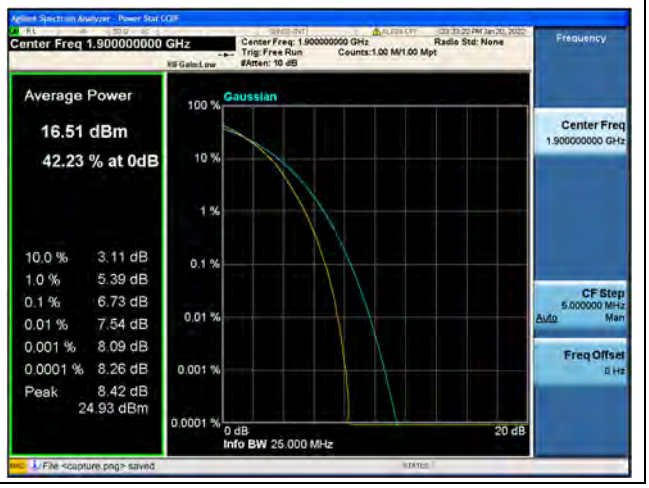
Band2 / 20MHz / High CH / QPSK



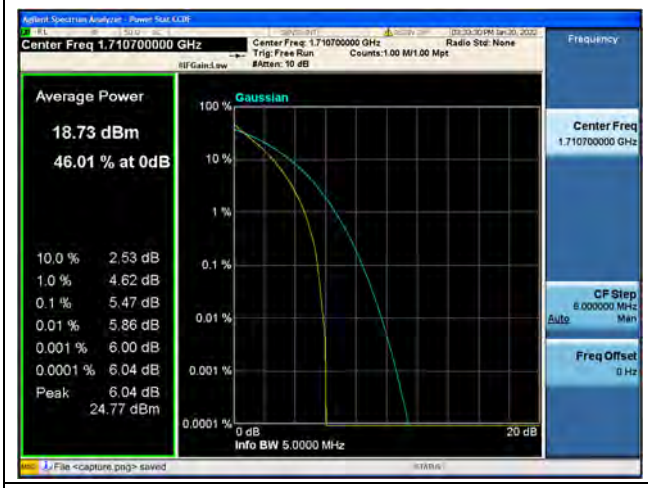
Band2 / 20MHz / High CH / 16QAM



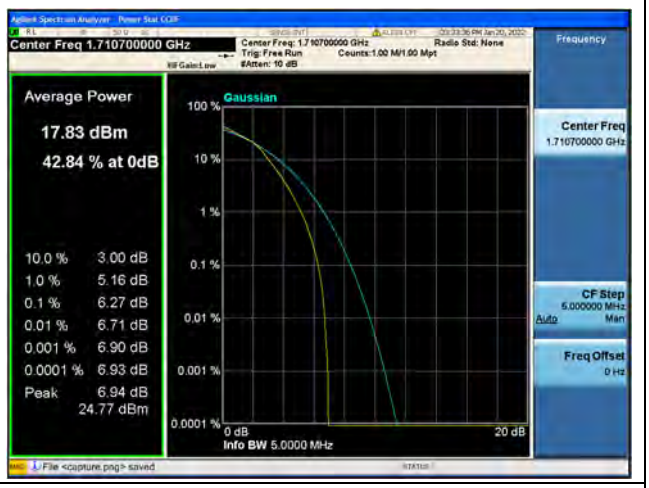
Band2 / 20MHz / High CH / 64QAM



Band4 / 1.4MHz / Low CH / QPSK

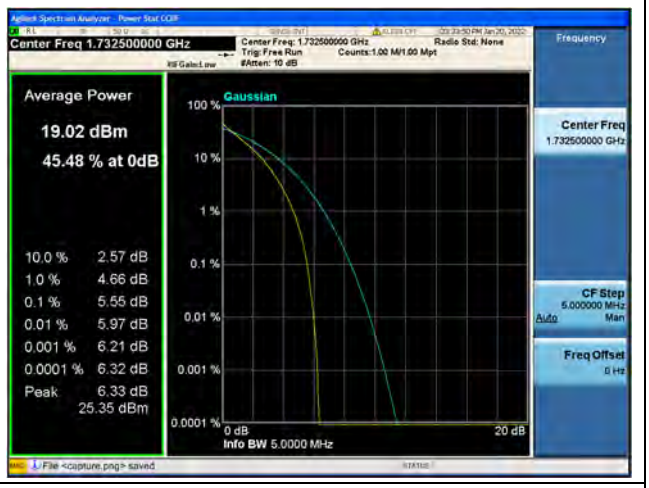


Band4 / 1.4MHz / Low CH / 16QAM



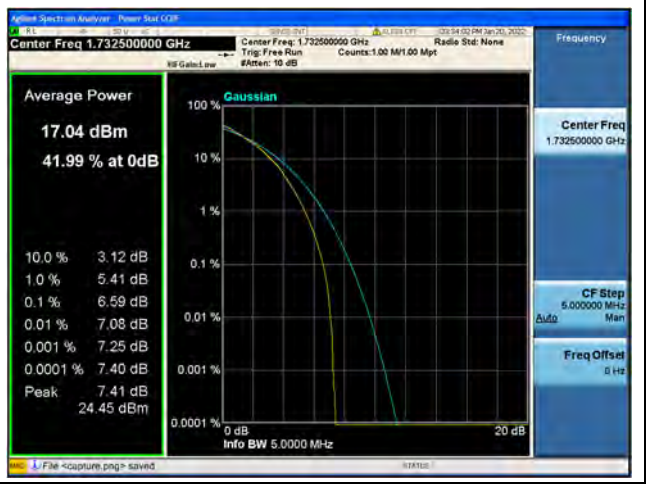
Band4 / 1.4MHz / Low CH / 64QAM

Band4 / 1.4MHz / Mid CH / QPSK



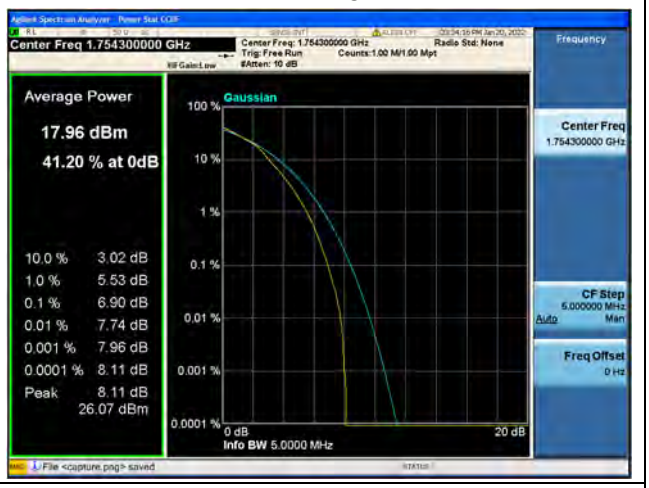
Band4 / 1.4MHz / Mid CH / 16QAM

Band4 / 1.4MHz / Mid CH / 64QAM



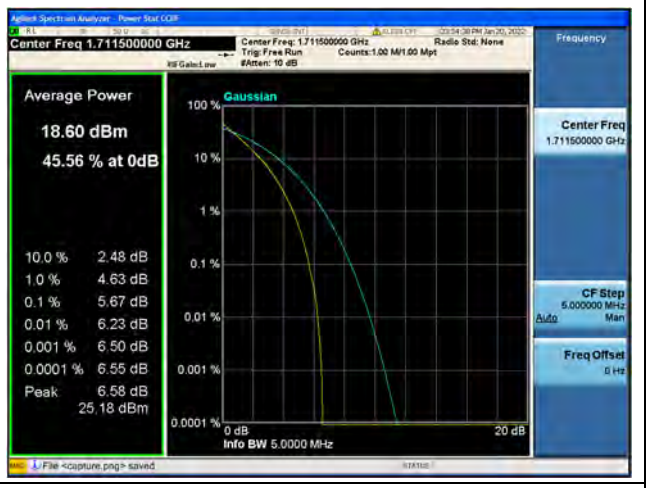
Band4 / 1.4MHz / High CH / QPSK

Band4 / 1.4MHz / High CH / 16QAM



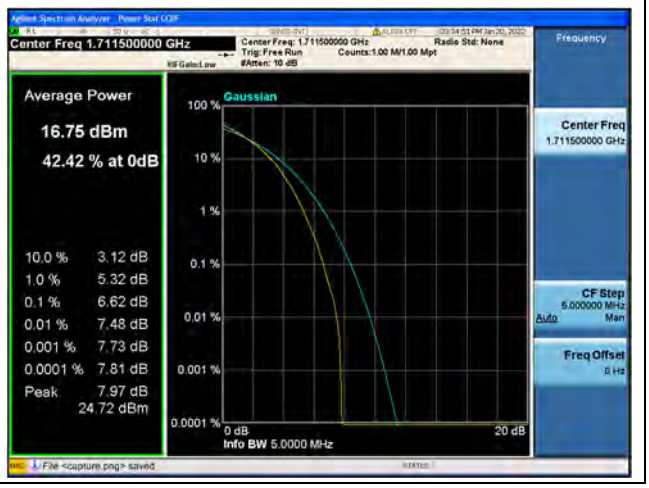
Band4 / 1.4MHz / High CH / 64QAM

Band4 / 3MHz / Low CH / QPSK



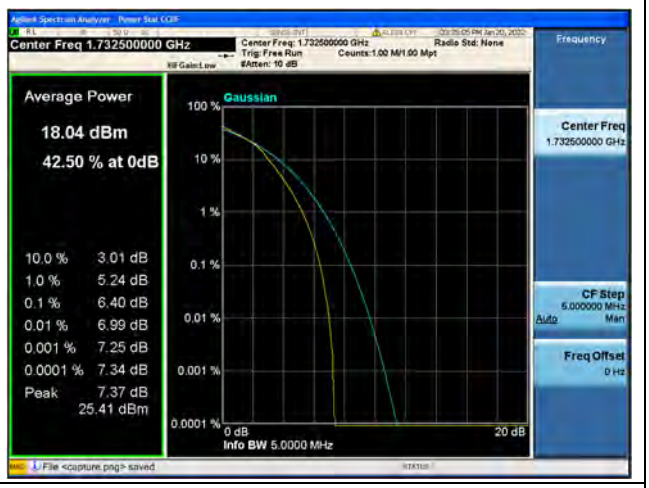
Band4 / 3MHz / Low CH / 16QAM

Band4 / 3MHz / Low CH / 64QAM



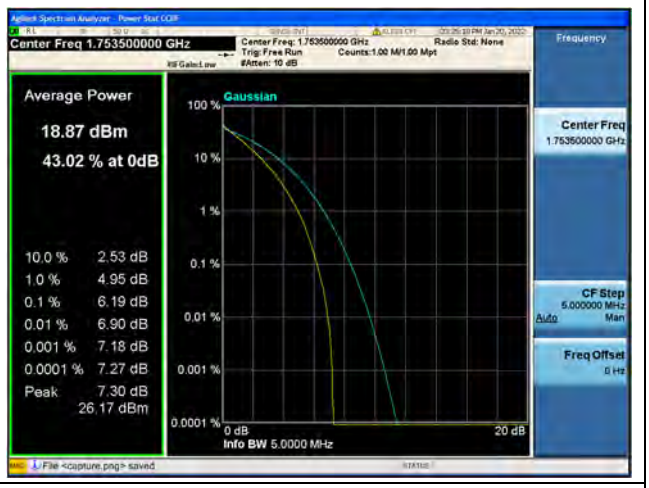
Band4 / 3MHz / Mid CH / QPSK

Band4 / 3MHz / Mid CH / 16QAM



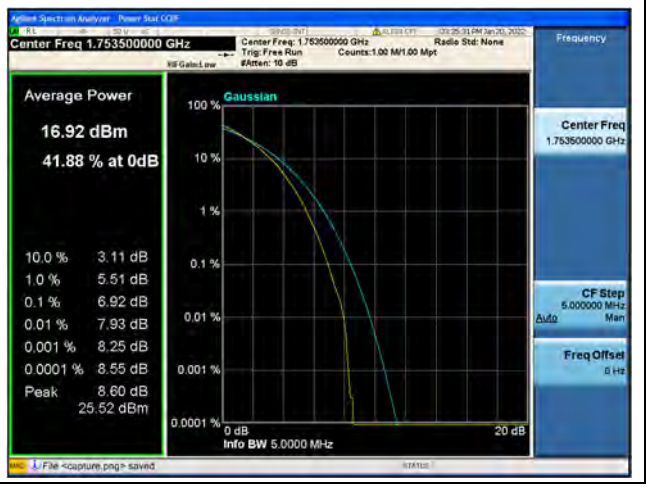
Band4 / 3MHz / Mid CH / 64QAM

Band4 / 3MHz / High CH / QPSK



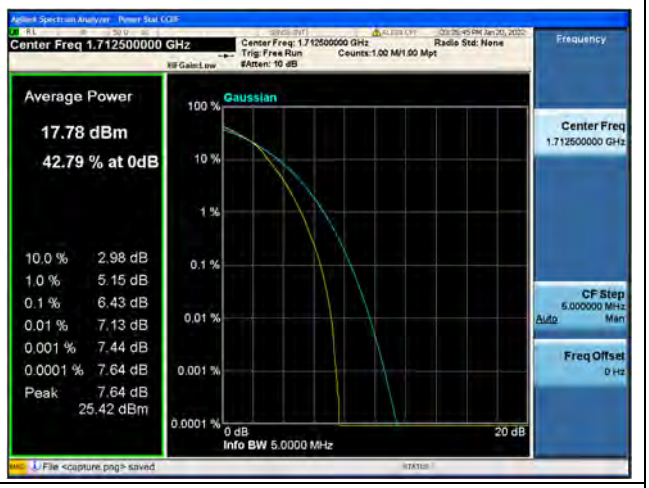
Band4 / 3MHz / High CH / 16QAM

Band4 / 3MHz / High CH / 64QAM



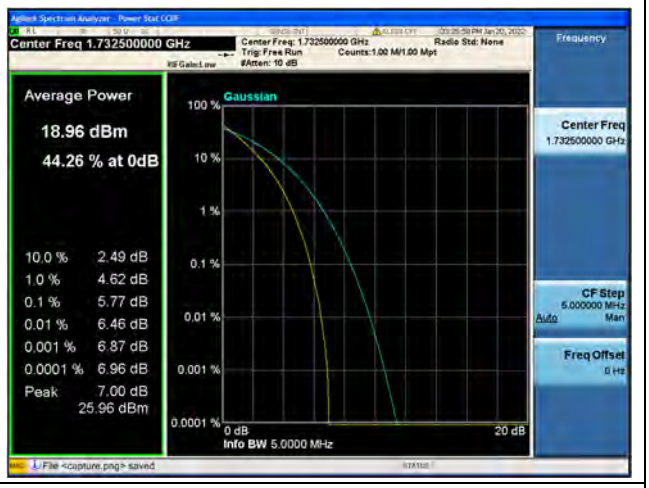
Band4 / 5MHz / Low CH / QPSK

Band4 / 5MHz / Low CH / 16QAM



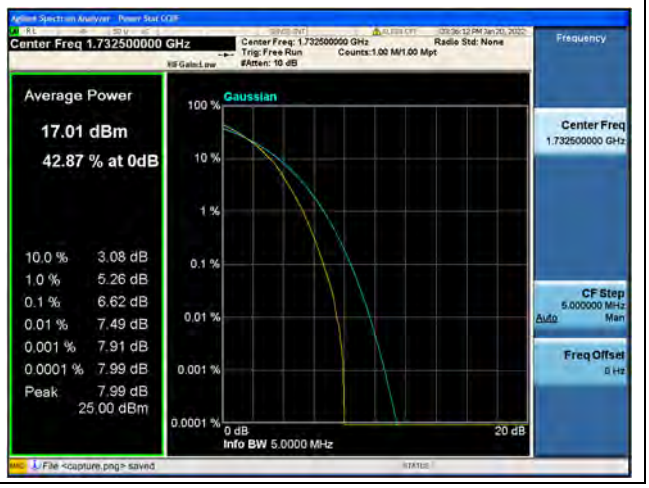
Band4 / 5MHz / Low CH / 64QAM

Band4 / 5MHz / Mid CH / QPSK



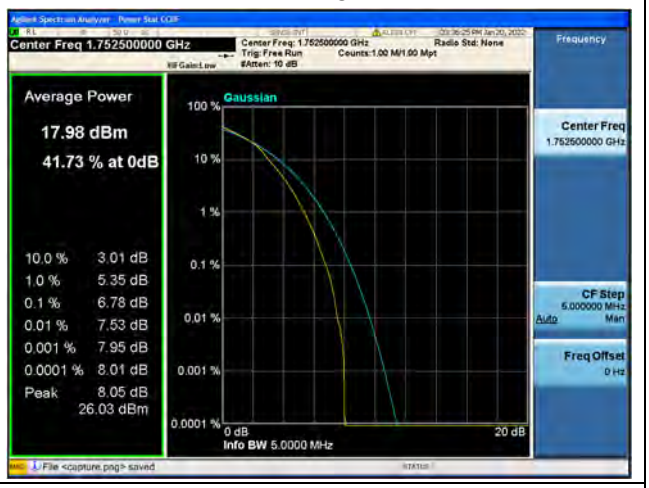
Band4 / 5MHz / Mid CH / 16QAM

Band4 / 5MHz / Mid CH / 64QAM



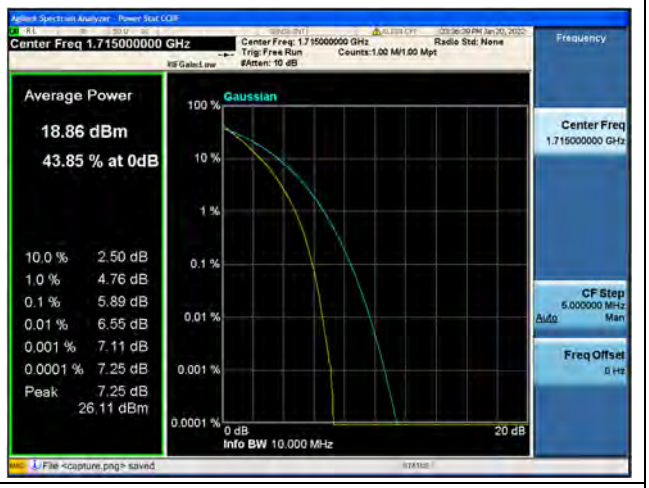
Band4 / 5MHz / High CH / QPSK

Band4 / 5MHz / High CH / 16QAM



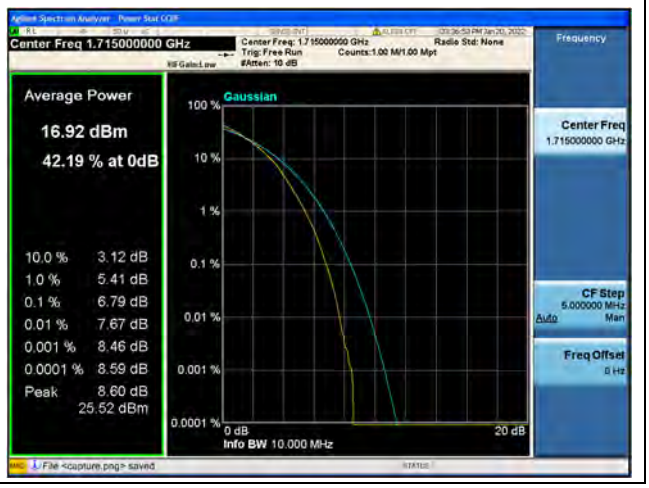
Band4 / 5MHz / High CH / 64QAM

Band4 / 10MHz / Low CH / QPSK



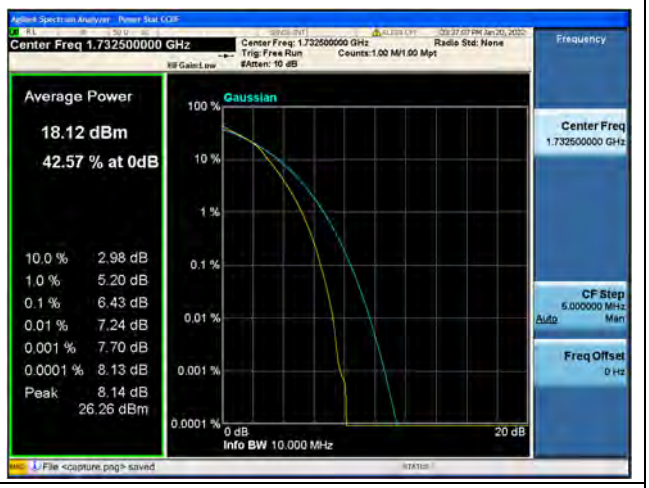
Band4 / 10MHz / Low CH / 16QAM

Band4 / 10MHz / Low CH / 64QAM



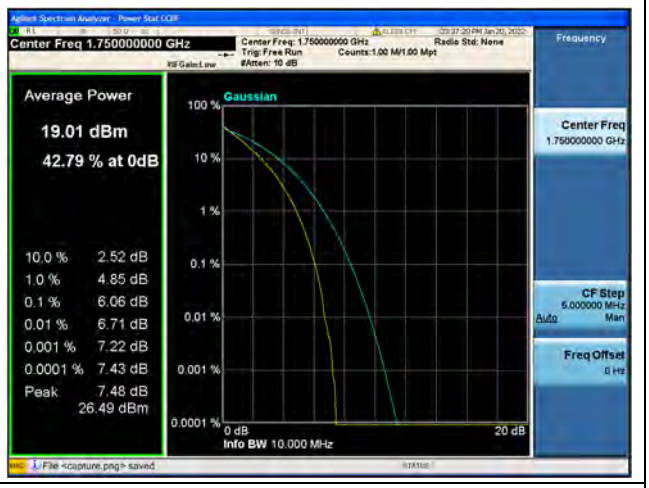
Band4 / 10MHz / Mid CH / QPSK

Band4 / 10MHz / Mid CH / 16QAM



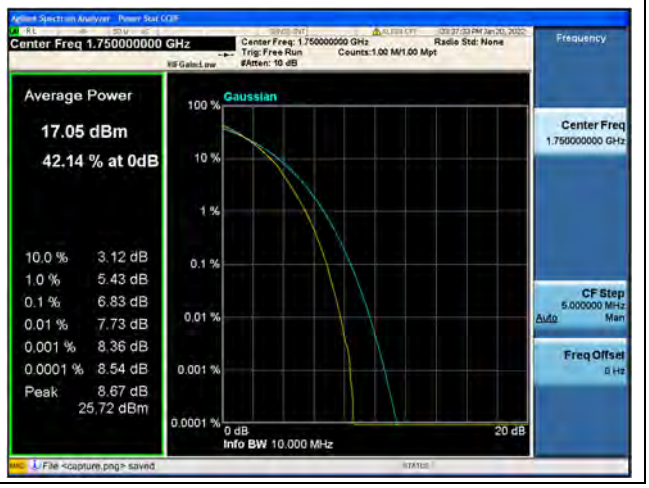
Band4 / 10MHz / Mid CH / 64QAM

Band4 / 10MHz / High CH / QPSK



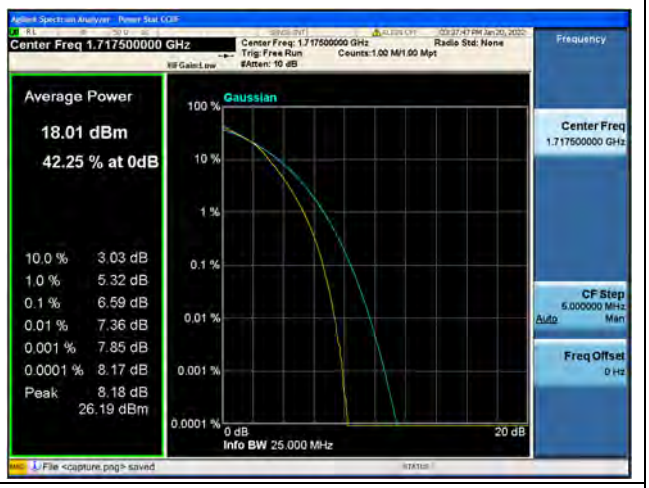
Band4 / 10MHz / High CH / 16QAM

Band4 / 10MHz / High CH / 64QAM



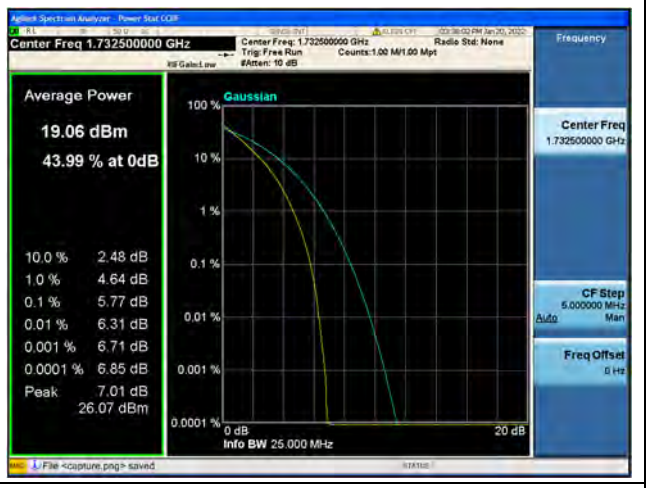
Band4 / 15MHz / Low CH / QPSK

Band4 / 15MHz / Low CH / 16QAM



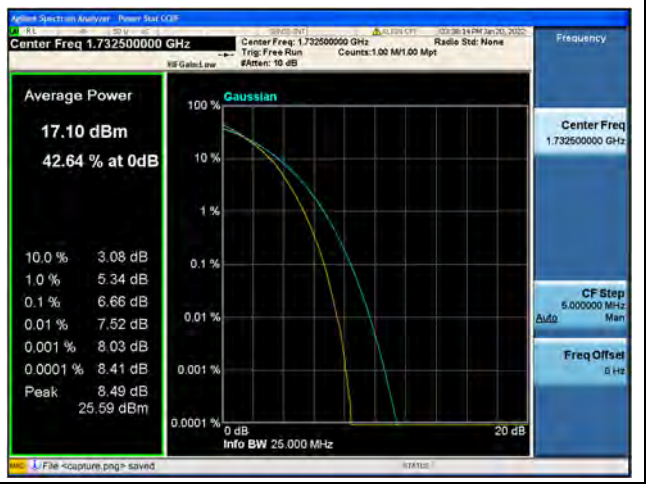
Band4 / 15MHz / Low CH / 64QAM

Band4 / 15MHz / Mid CH / QPSK



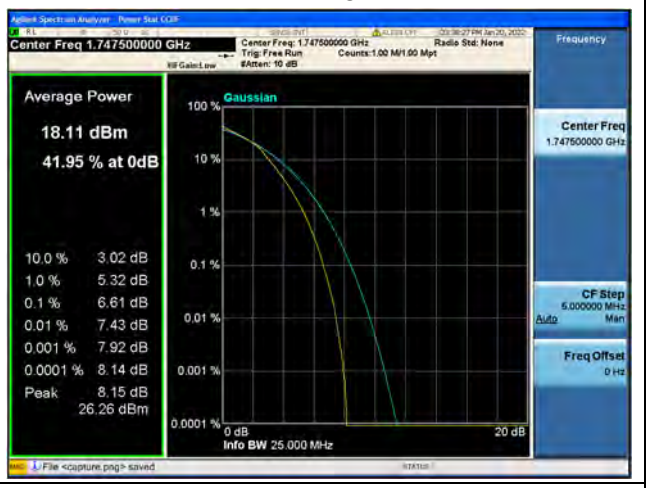
Band4 / 15MHz / Mid CH / 16QAM

Band4 / 15MHz / Mid CH / 64QAM



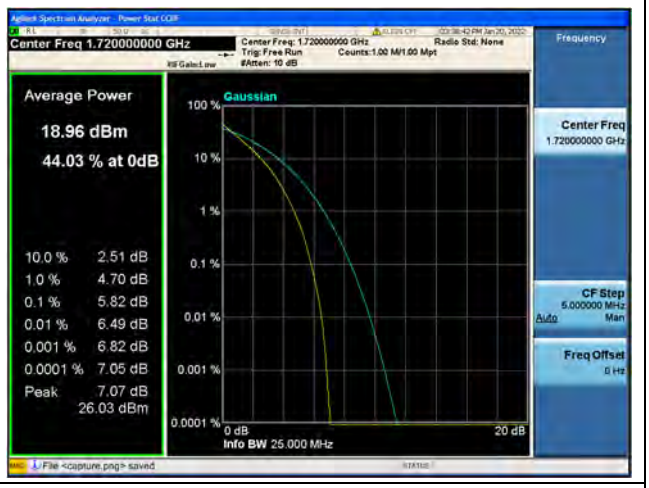
Band4 / 15MHz / High CH / QPSK

Band4 / 15MHz / High CH / 16QAM



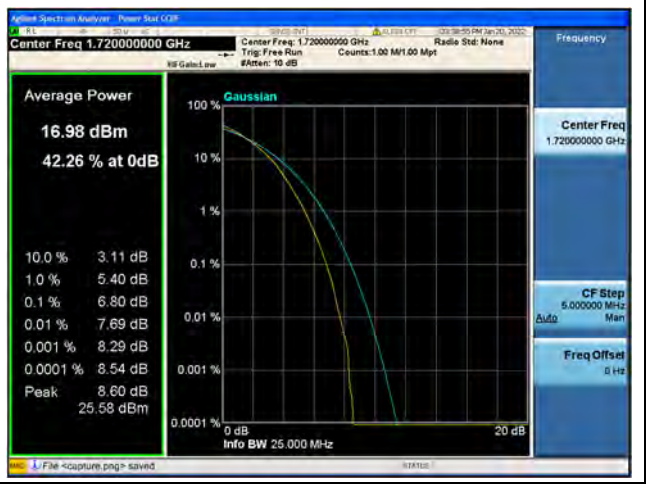
Band4 / 15MHz / High CH / 64QAM

Band4 / 20MHz / Low CH / QPSK



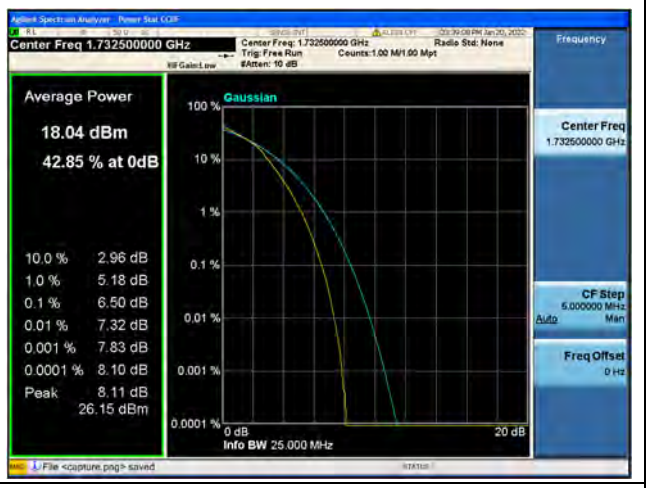
Band4 / 20MHz / Low CH / 16QAM

Band4 / 20MHz / Low CH / 64QAM



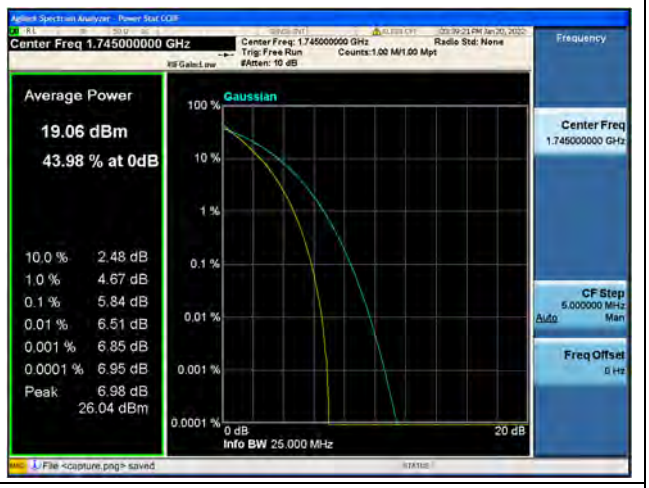
Band4 / 20MHz / Mid CH / QPSK

Band4 / 20MHz / Mid CH / 16QAM



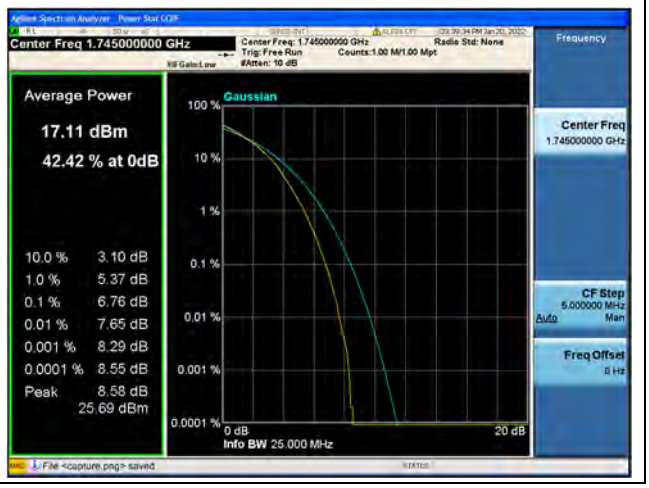
Band4 / 20MHz / Mid CH / 64QAM

Band4 / 20MHz / High CH / QPSK

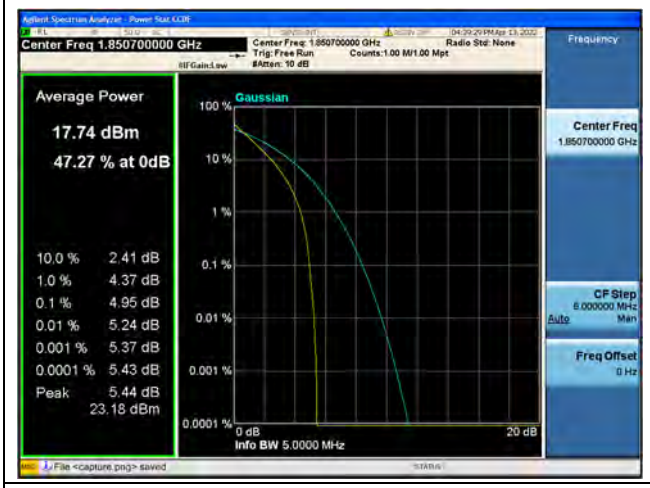


Band4 / 20MHz / High CH / 16QAM

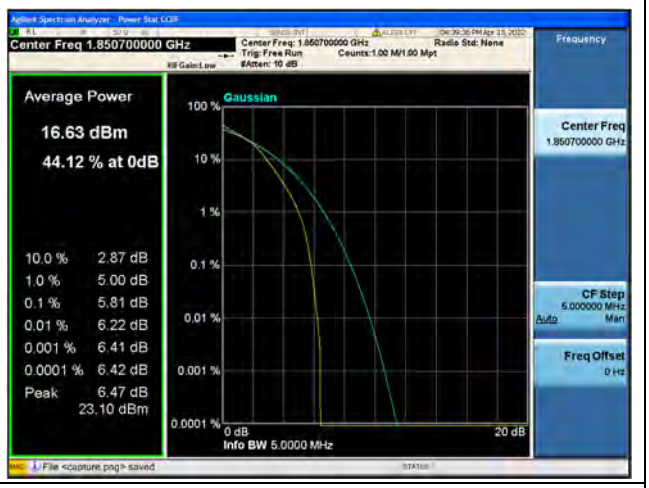
Band4 / 20MHz / High CH / 64QAM



Band25 / 1.4MHz / Low CH / QPSK



Band25 / 1.4MHz / Low CH / 16QAM

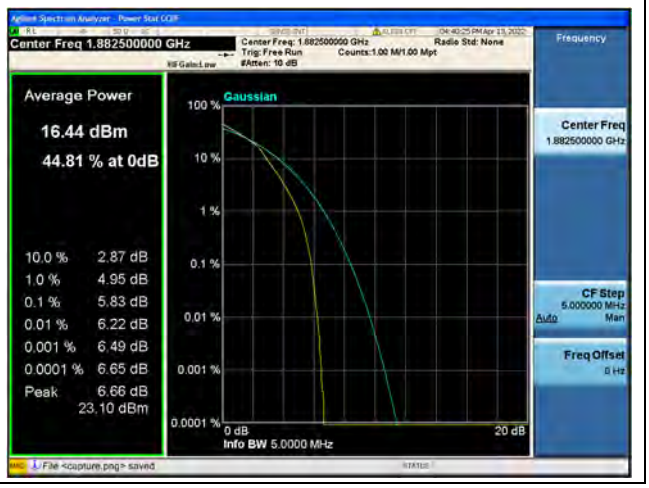


Band25 / 1.4MHz / Low CH / 64QAM

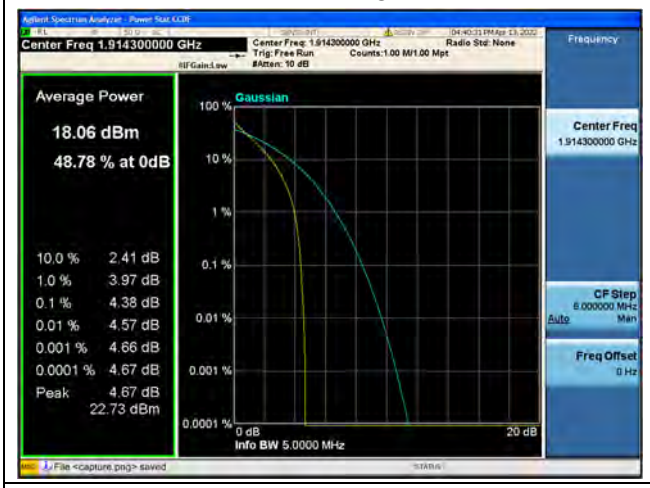
Band25 / 1.4MHz / Mid CH / QPSK

Band25 / 1.4MHz / Mid CH / 16QAM

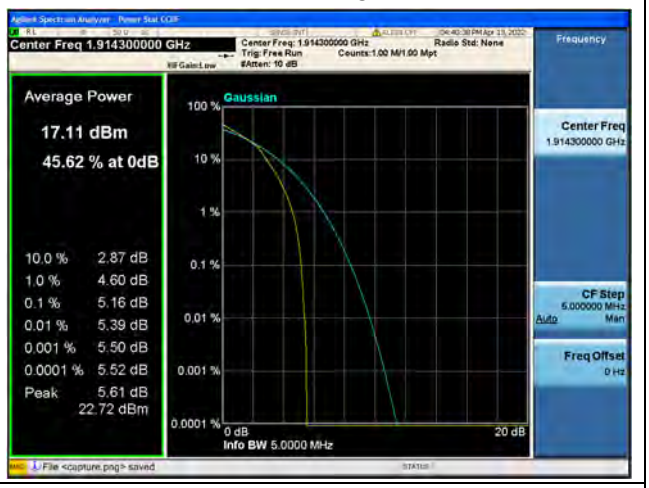
Band25 / 1.4MHz / Mid CH / 64QAM



Band25 / 1.4MHz / High CH / QPSK

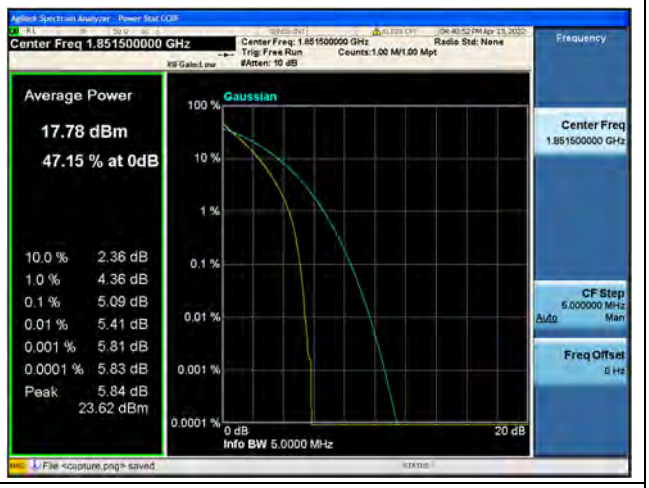


Band25 / 1.4MHz / High CH / 16QAM



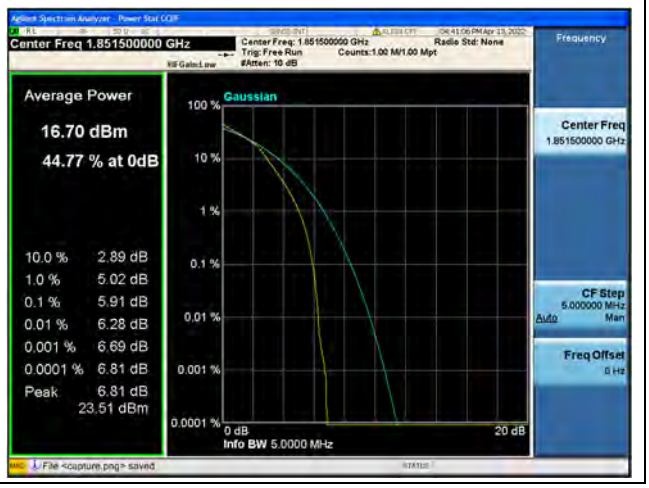
Band25 / 1.4MHz / High CH / 64QAM

Band25 / 3MHz / Low CH / QPSK

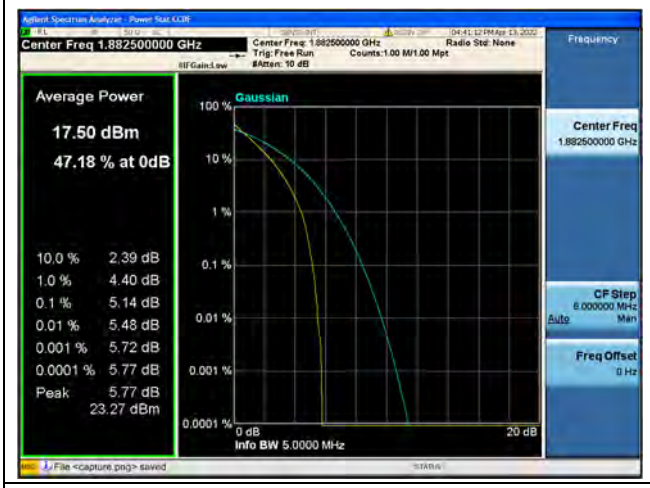


Band25 / 3MHz / Low CH / 16QAM

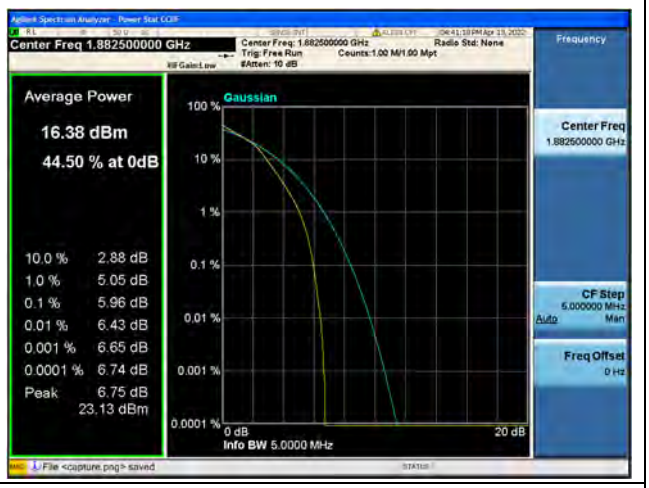
Band25 / 3MHz / Low CH / 64QAM



Band25 / 3MHz / Mid CH / QPSK

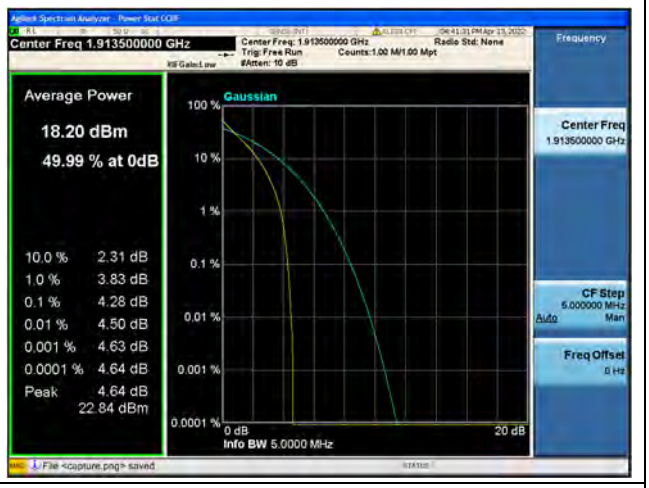


Band25 / 3MHz / Mid CH / 16QAM

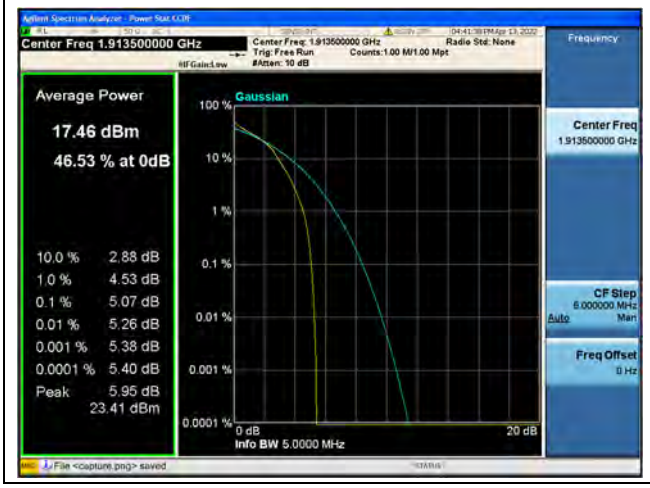


Band25 / 3MHz / Mid CH / 64QAM

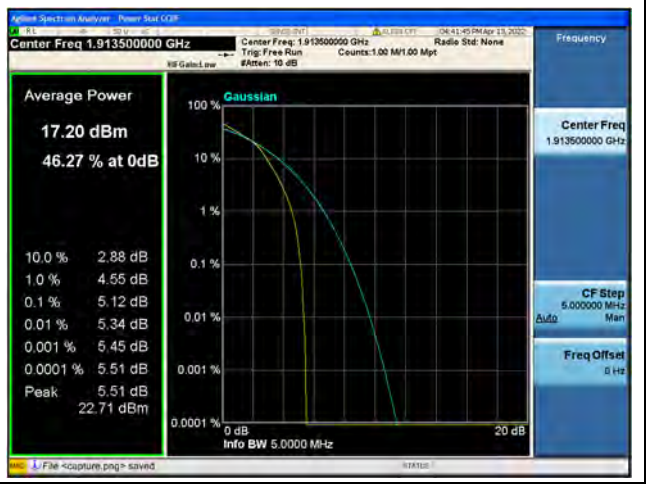
Band25 / 3MHz / High CH / QPSK



Band25 / 3MHz / High CH / 16QAM

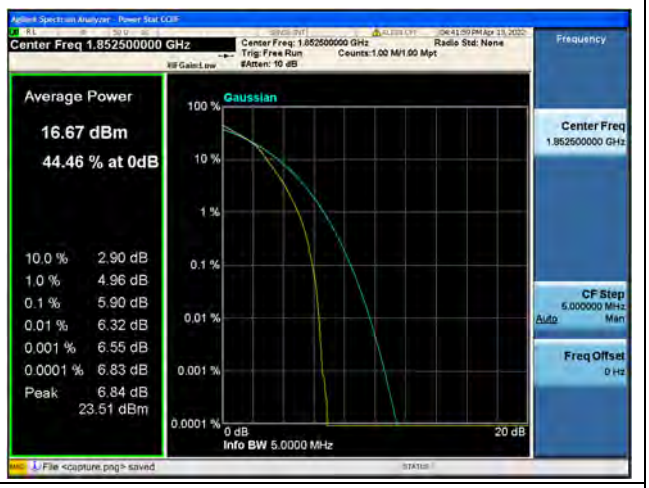


Band25 / 3MHz / High CH / 64QAM



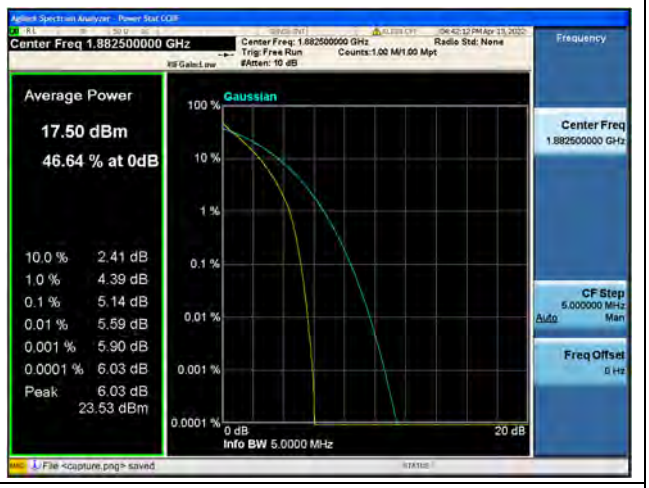
Band25 / 5MHz / Low CH / QPSK

Band25 / 5MHz / Low CH / 16QAM

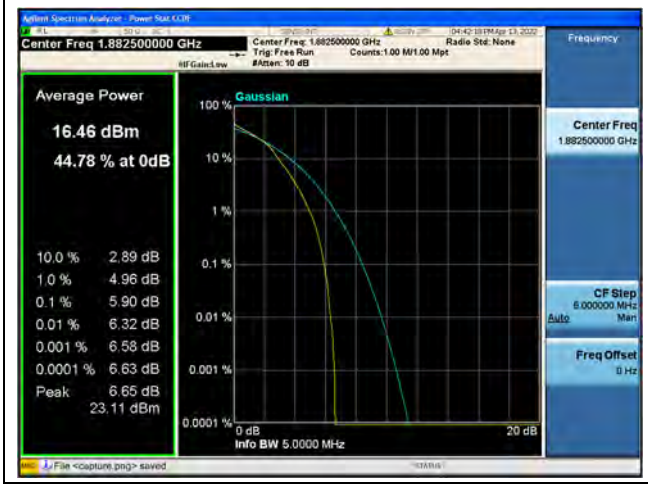
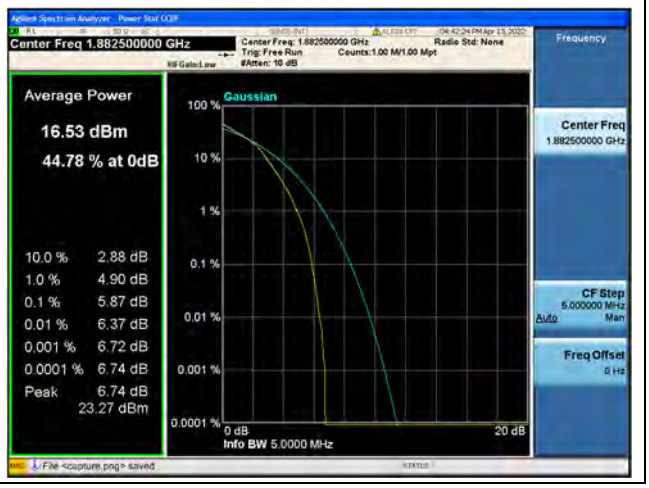


Band25 / 5MHz / Low CH / 64QAM

Band25 / 5MHz / Mid CH / QPSK



Band25 / 5MHz / Mid CH / 16QAM



Band25 / 5MHz / Mid CH / 64QAM