

FCC LTE Band26 Test Data

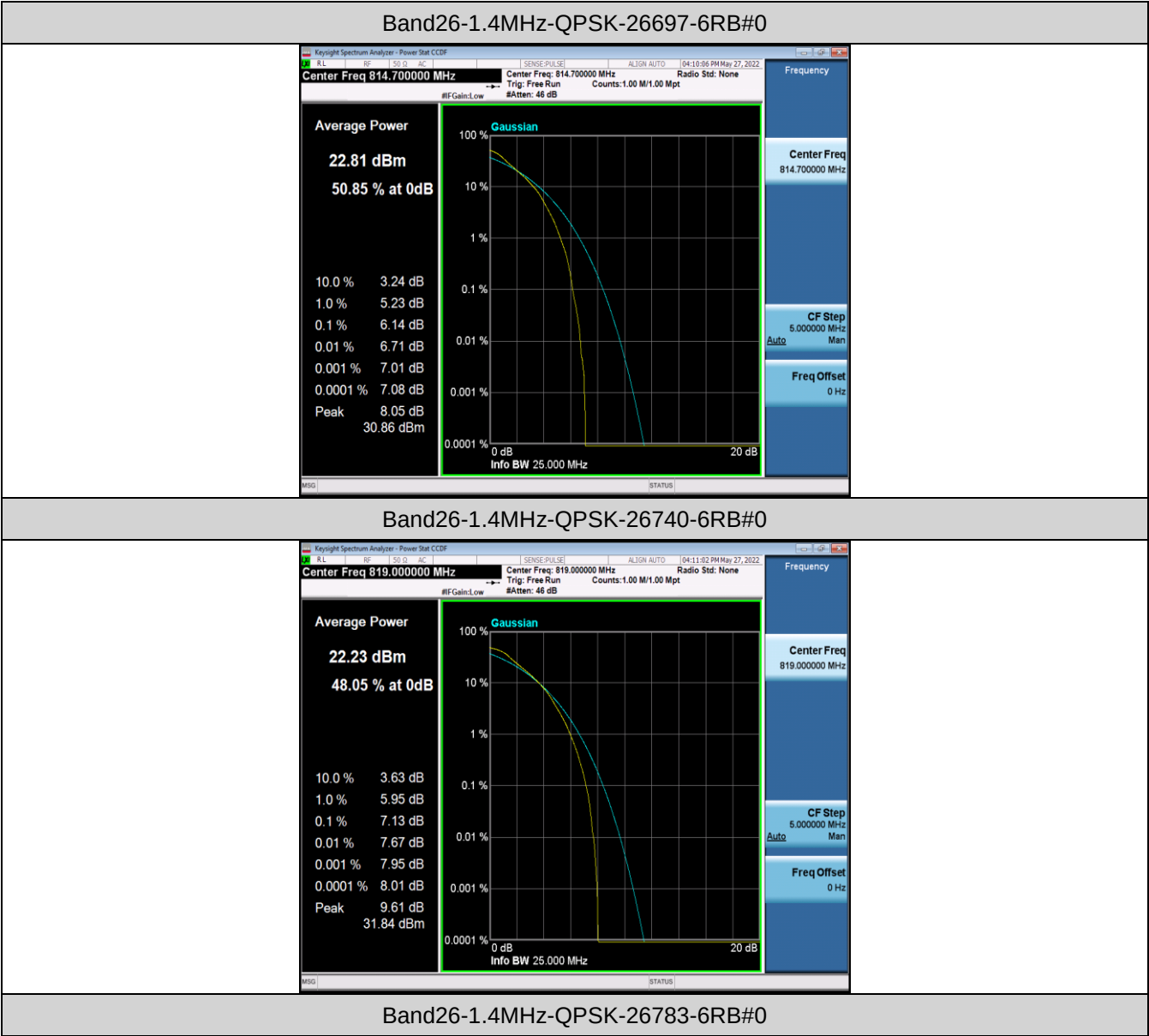
Appendix B: Peak-to-Average Ratio(CCDF)

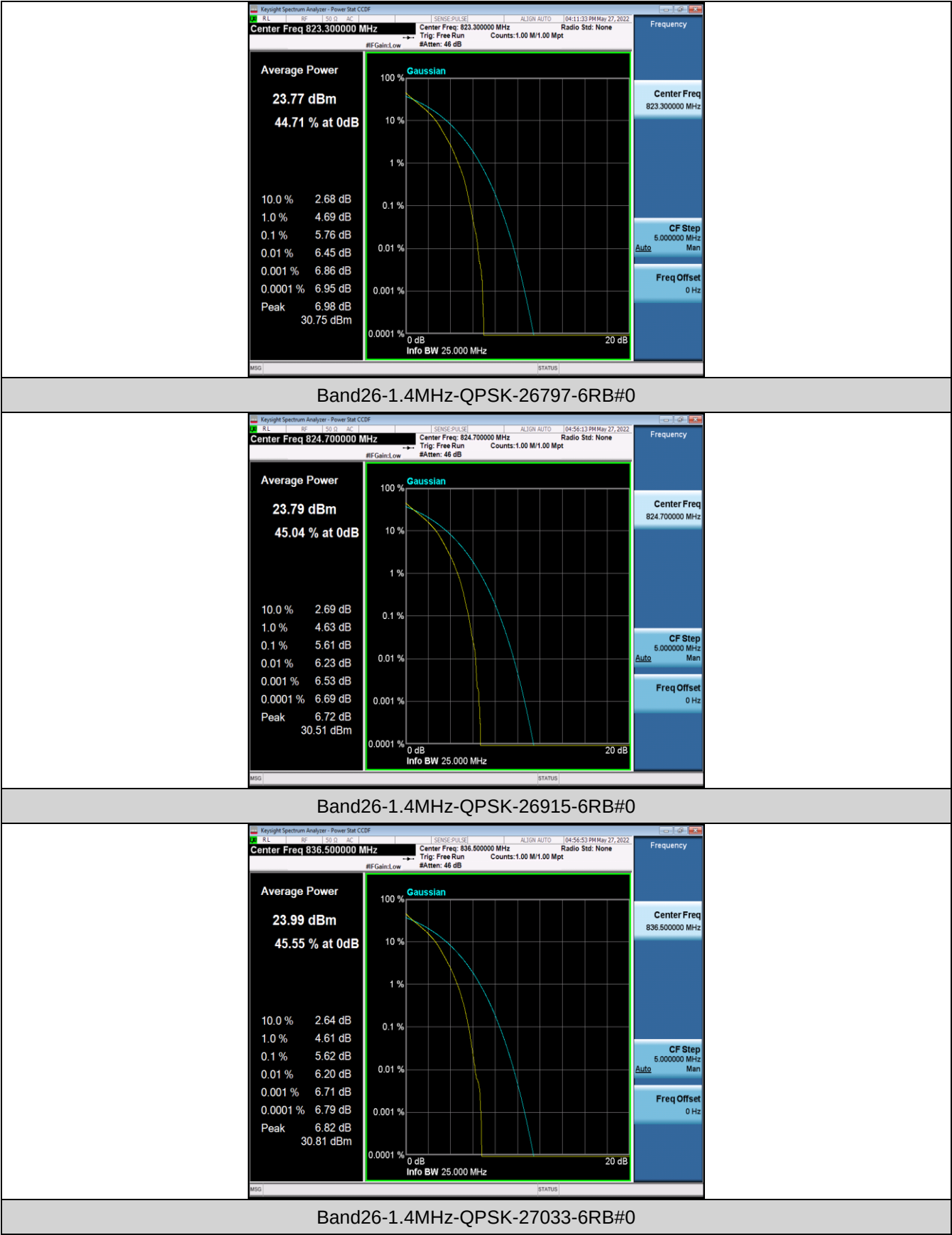
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	6.14	13	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	7.13	13	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	5.76	13	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	5.61	13	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	5.62	13	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	5.34	13	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	6.26	13	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	7.16	13	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	8.27	13	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	7.18	13	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	7.79	13	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	7.10	13	PASS
Band26	3MHz	QPSK	26705	15RB#0	5.47	13	PASS
Band26	3MHz	QPSK	26740	15RB#0	5.92	13	PASS
Band26	3MHz	QPSK	26775	15RB#0	5.86	13	PASS
Band26	3MHz	QPSK	26805	15RB#0	5.75	13	PASS
Band26	3MHz	QPSK	26915	15RB#0	5.68	13	PASS
Band26	3MHz	QPSK	27025	15RB#0	5.28	13	PASS
Band26	3MHz	16QAM	26705	15RB#0	7.61	13	PASS
Band26	3MHz	16QAM	26740	15RB#0	8.00	13	PASS
Band26	3MHz	16QAM	26775	15RB#0	7.95	13	PASS
Band26	3MHz	16QAM	26805	15RB#0	7.53	13	PASS
Band26	3MHz	16QAM	26915	15RB#0	8.45	13	PASS
Band26	3MHz	16QAM	27025	15RB#0	7.81	13	PASS
Band26	5MHz	QPSK	26715	25RB#0	6.00	13	PASS
Band26	5MHz	QPSK	26740	25RB#0	5.88	13	PASS
Band26	5MHz	QPSK	26765	25RB#0	5.96	13	PASS
Band26	5MHz	QPSK	26815	25RB#0	7.66	13	PASS
Band26	5MHz	QPSK	26915	25RB#0	6.00	13	PASS

Band26	5MHz	QPSK	27015	25RB#0	6.04	13	PASS
Band26	5MHz	16QAM	26715	25RB#0	8.28	13	PASS
Band26	5MHz	16QAM	26740	25RB#0	7.46	13	PASS
Band26	5MHz	16QAM	26765	25RB#0	7.51	13	PASS
Band26	5MHz	16QAM	26815	25RB#0	6.99	13	PASS
Band26	5MHz	16QAM	26915	25RB#0	7.41	13	PASS
Band26	5MHz	16QAM	27015	25RB#0	6.12	13	PASS
Band26	10MHz	QPSK	26740	50RB#0	6.09	13	PASS
Band26	10MHz	QPSK	26840	50RB#0	5.70	13	PASS
Band26	10MHz	QPSK	26915	50RB#0	5.84	13	PASS
Band26	10MHz	QPSK	26990	50RB#0	6.30	13	PASS
Band26	10MHz	16QAM	26740	50RB#0	6.55	13	PASS
Band26	10MHz	16QAM	26840	50RB#0	7.55	13	PASS
Band26	10MHz	16QAM	26915	50RB#0	7.61	13	PASS
Band26	10MHz	16QAM	26990	50RB#0	6.44	13	PASS
Band26	15MHz	QPSK	26765	75RB#0	6.24	13	PASS
Band26	15MHz	QPSK	26865	75RB#0	6.11	13	PASS
Band26	15MHz	QPSK	26915	75RB#0	6.25	13	PASS
Band26	15MHz	QPSK	26965	75RB#0	5.88	13	PASS
Band26	15MHz	16QAM	26765	75RB#0	7.96	13	PASS
Band26	15MHz	16QAM	26865	75RB#0	7.33	13	PASS
Band26	15MHz	16QAM	26915	75RB#0	8.39	13	PASS
Band26	15MHz	16QAM	26965	75RB#0	7.91	13	PASS

Test Graphs





KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 824.700000 MHz

Center Freq 824.700000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

04-56-13 PM May 27, 2022

Frequency

Center Freq 824.700000 MHz

CF Step 5.000000 MHz

Auto

Man

Freq Offset 0 Hz

Average Power

23.79 dBm

45.04 % at 0dB

10.0 % 2.69 dB

1.0 % 4.63 dB

0.1 % 5.61 dB

0.01 % 6.23 dB

0.001 % 6.53 dB

0.0001 % 6.69 dB

Peak 6.72 dB

30.51 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band26-1.4MHz-QPSK-26915-6RB#0

KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 836.500000 MHz

Center Freq 836.500000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

04-56-53 PM May 27, 2022

Frequency

Center Freq 836.500000 MHz

CF Step 5.000000 MHz

Auto

Man

Freq Offset 0 Hz

Average Power

23.99 dBm

45.55 % at 0dB

10.0 % 2.64 dB

1.0 % 4.61 dB

0.1 % 5.62 dB

0.01 % 6.20 dB

0.001 % 6.71 dB

0.0001 % 6.79 dB

Peak 6.82 dB

30.81 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

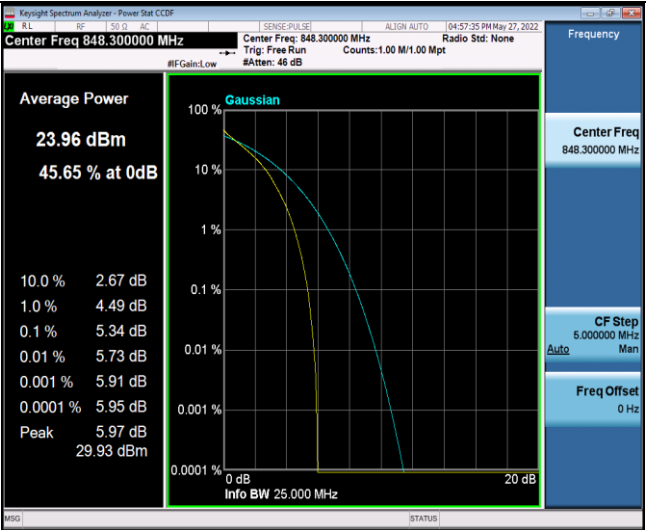
0.0001 %

0 dB

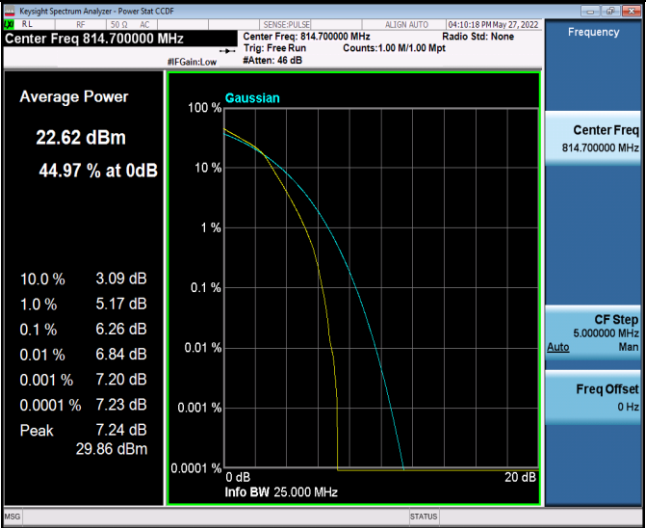
20 dB

Info BW 25.000 MHz

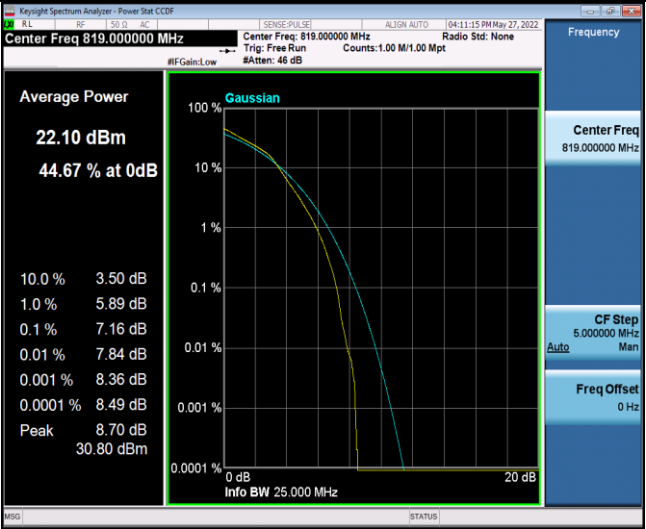
Band26-1.4MHz-QPSK-27033-6RB#0



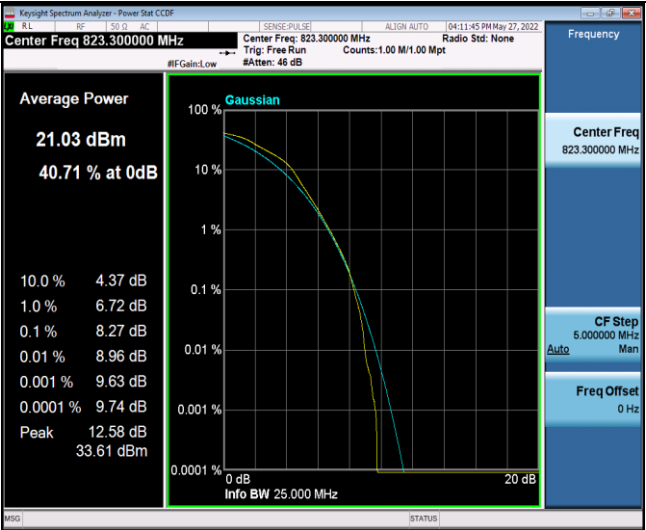
Band26-1.4MHz-16QAM-26697-6RB#0



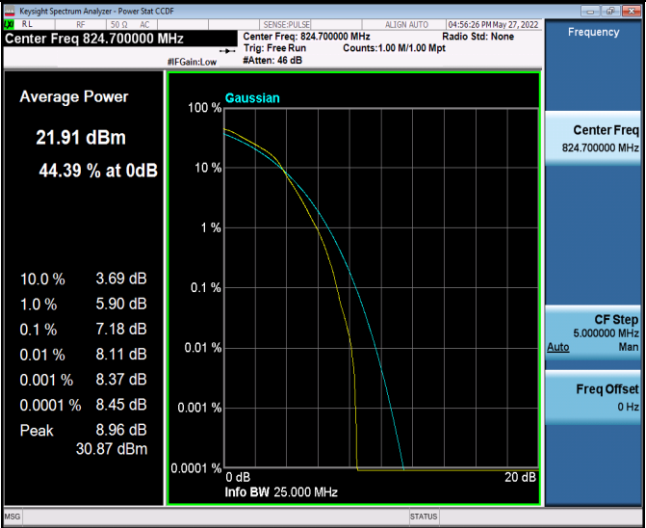
Band26-1.4MHz-16QAM-26740-6RB#0



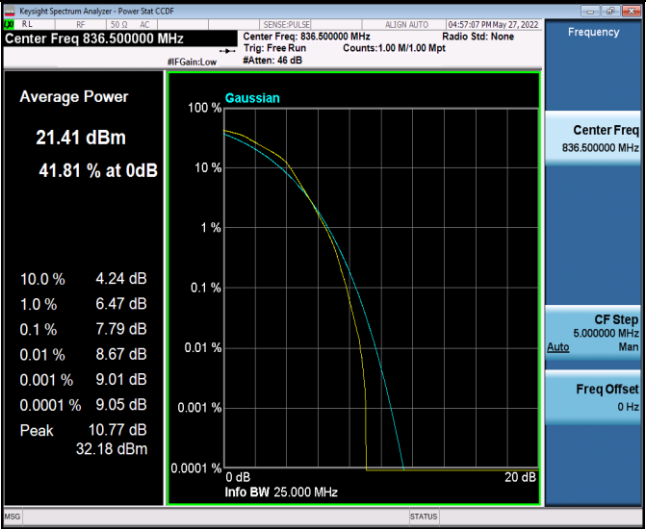
Band26-1.4MHz-16QAM-26783-6RB#0



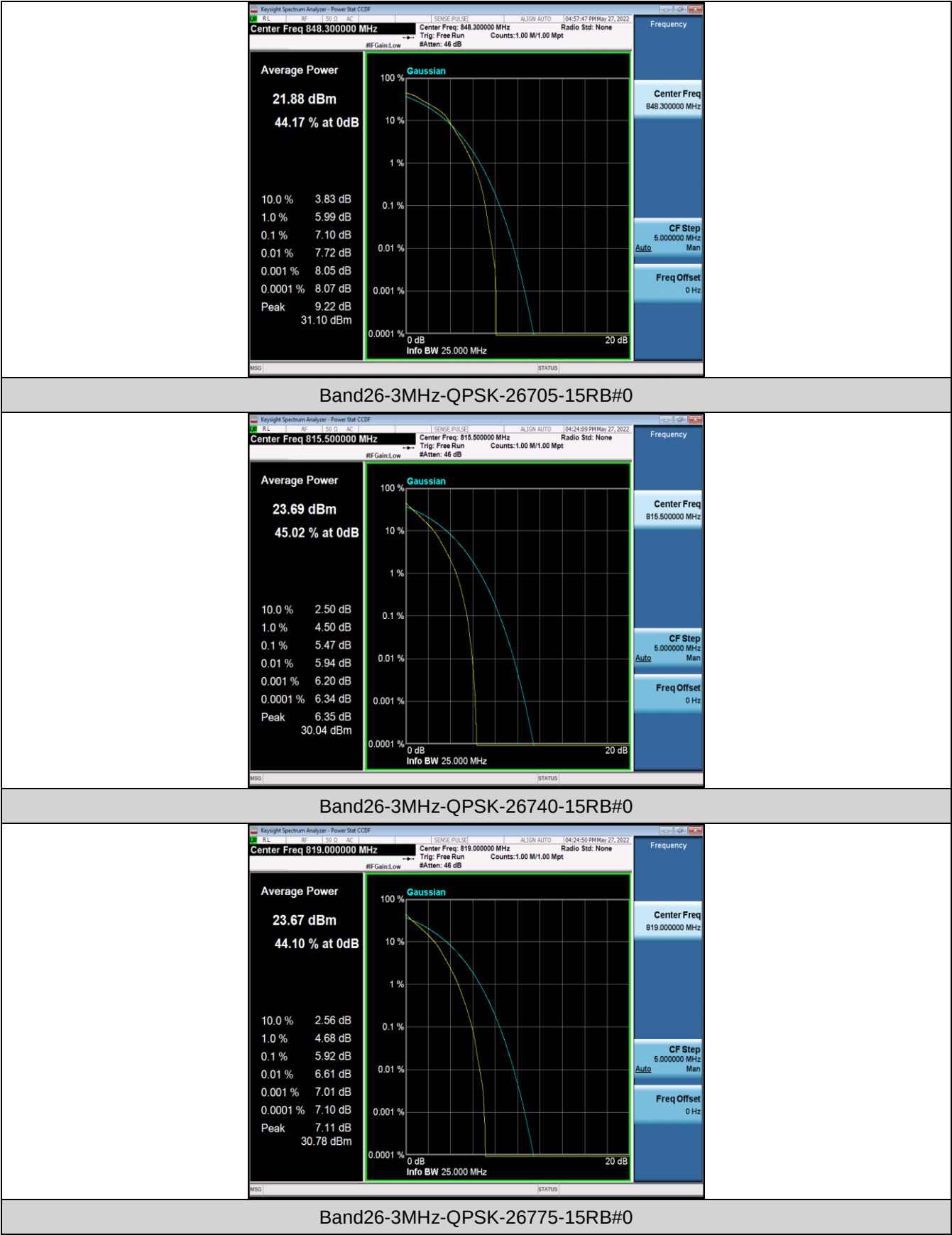
Band26-1.4MHz-16QAM-26797-6RB#0



Band26-1.4MHz-16QAM-26915-6RB#0



Band26-1.4MHz-16QAM-27033-6RB#0



KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 815.500000 MHz

Center Freq: 815.500000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Align: AUTO

04:24:59 PM May 27, 2022

Frequency

Center Freq
815.500000 MHz

CF Step
5.000000 MHz
Auto
Man

Freq Offset
0 Hz

Average Power

23.69 dBm

45.02 % at 0dB

10.0 % 2.50 dB

1.0 % 4.50 dB

0.1 % 5.47 dB

0.01 % 5.94 dB

0.001 % 6.20 dB

0.0001 % 6.34 dB

Peak 6.35 dBm

30.04 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band26-3MHz-QPSK-26740-15RB#0

KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 819.000000 MHz

Center Freq: 819.000000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Align: AUTO

04:24:50 PM May 27, 2022

Frequency

Center Freq
819.000000 MHz

CF Step
5.000000 MHz
Auto
Man

Freq Offset
0 Hz

Average Power

23.67 dBm

44.10 % at 0dB

10.0 % 2.56 dB

1.0 % 4.68 dB

0.1 % 5.92 dB

0.01 % 6.61 dB

0.001 % 7.01 dB

0.0001 % 7.10 dB

Peak 7.11 dBm

30.78 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

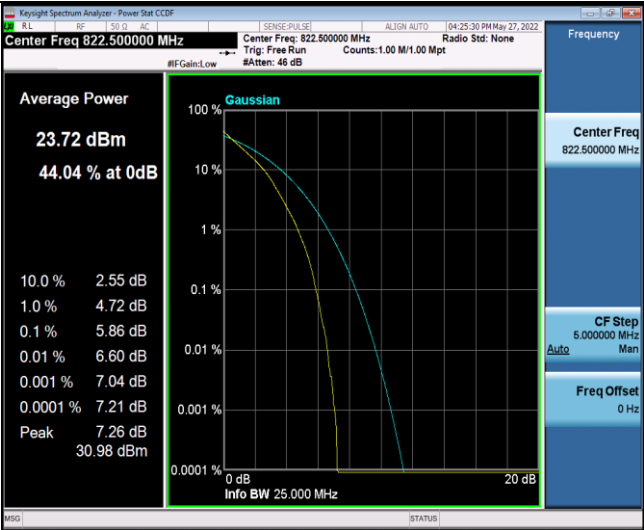
0.0001 %

0 dB

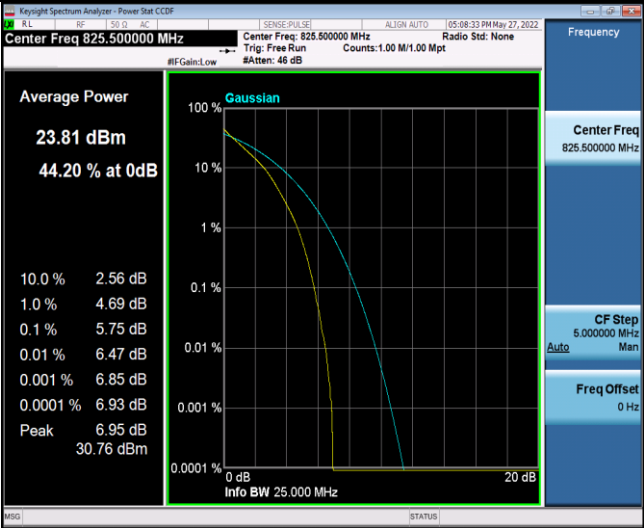
20 dB

Info BW 25.000 MHz

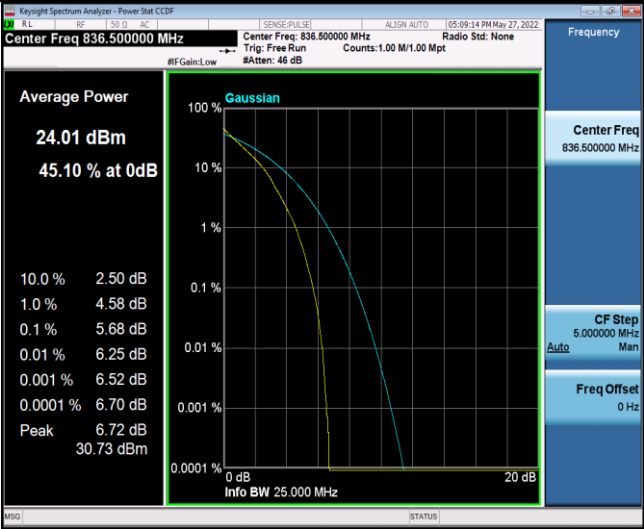
Band26-3MHz-QPSK-26775-15RB#0



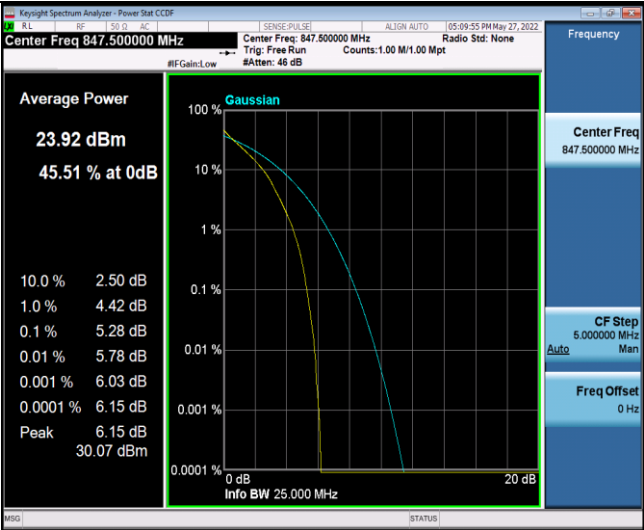
Band26-3MHz-QPSK-26805-15RB#0



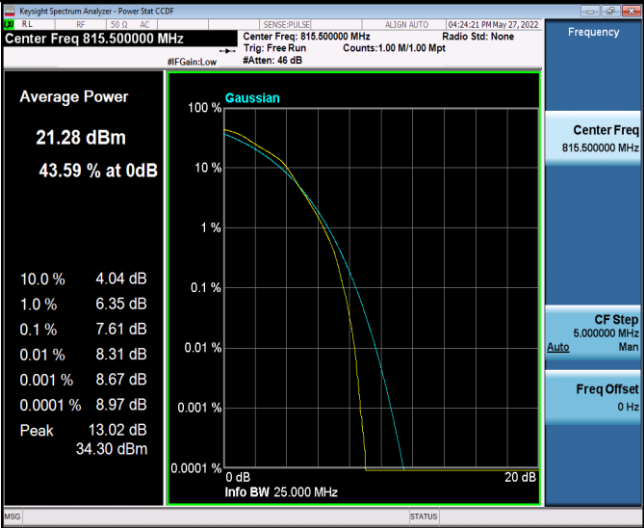
Band26-3MHz-QPSK-26915-15RB#0



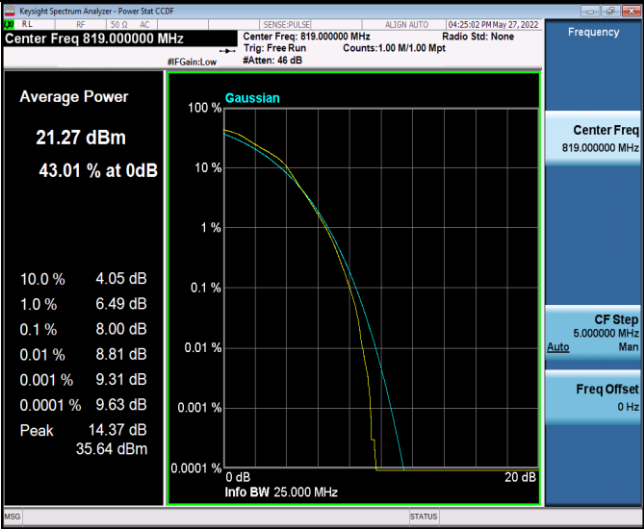
Band26-3MHz-QPSK-27025-15RB#0



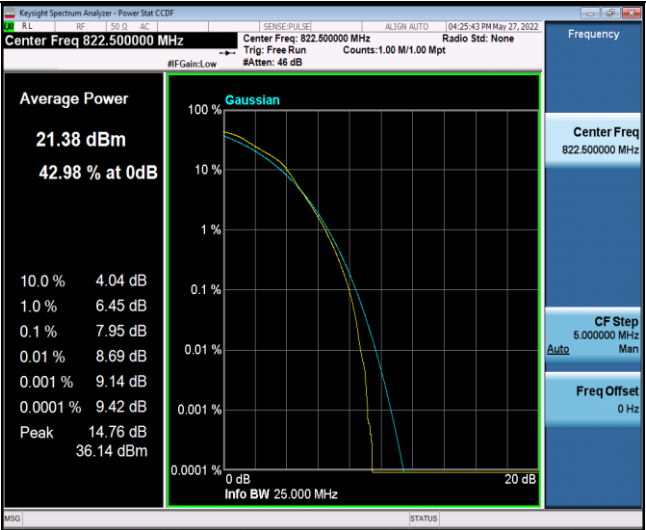
Band26-3MHz-16QAM-26705-15RB#0



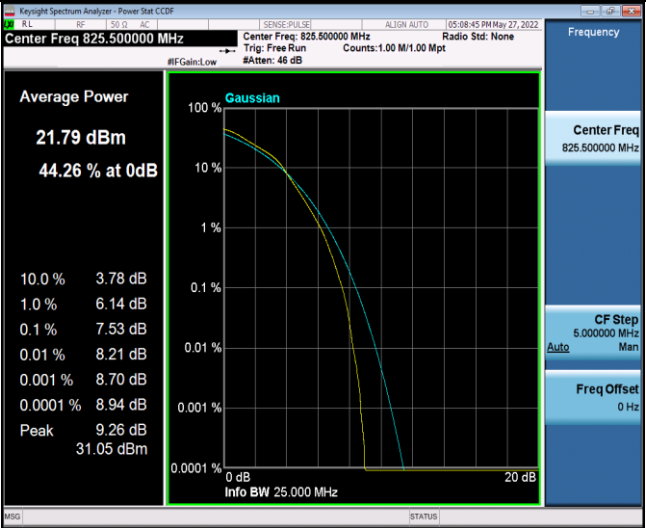
Band26-3MHz-16QAM-26740-15RB#0



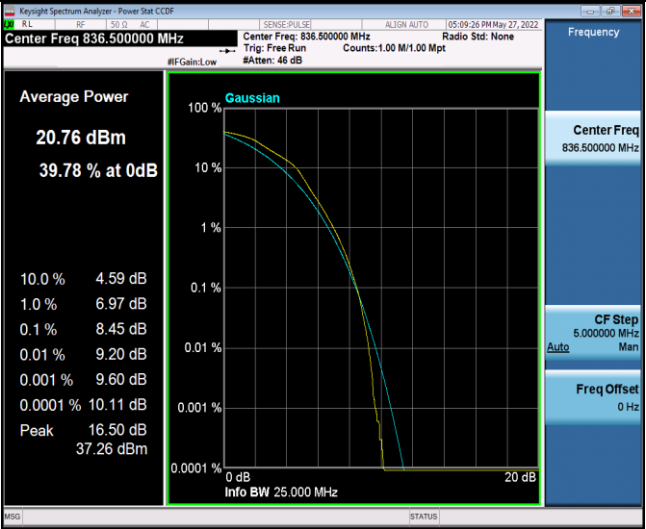
Band26-3MHz-16QAM-26775-15RB#0



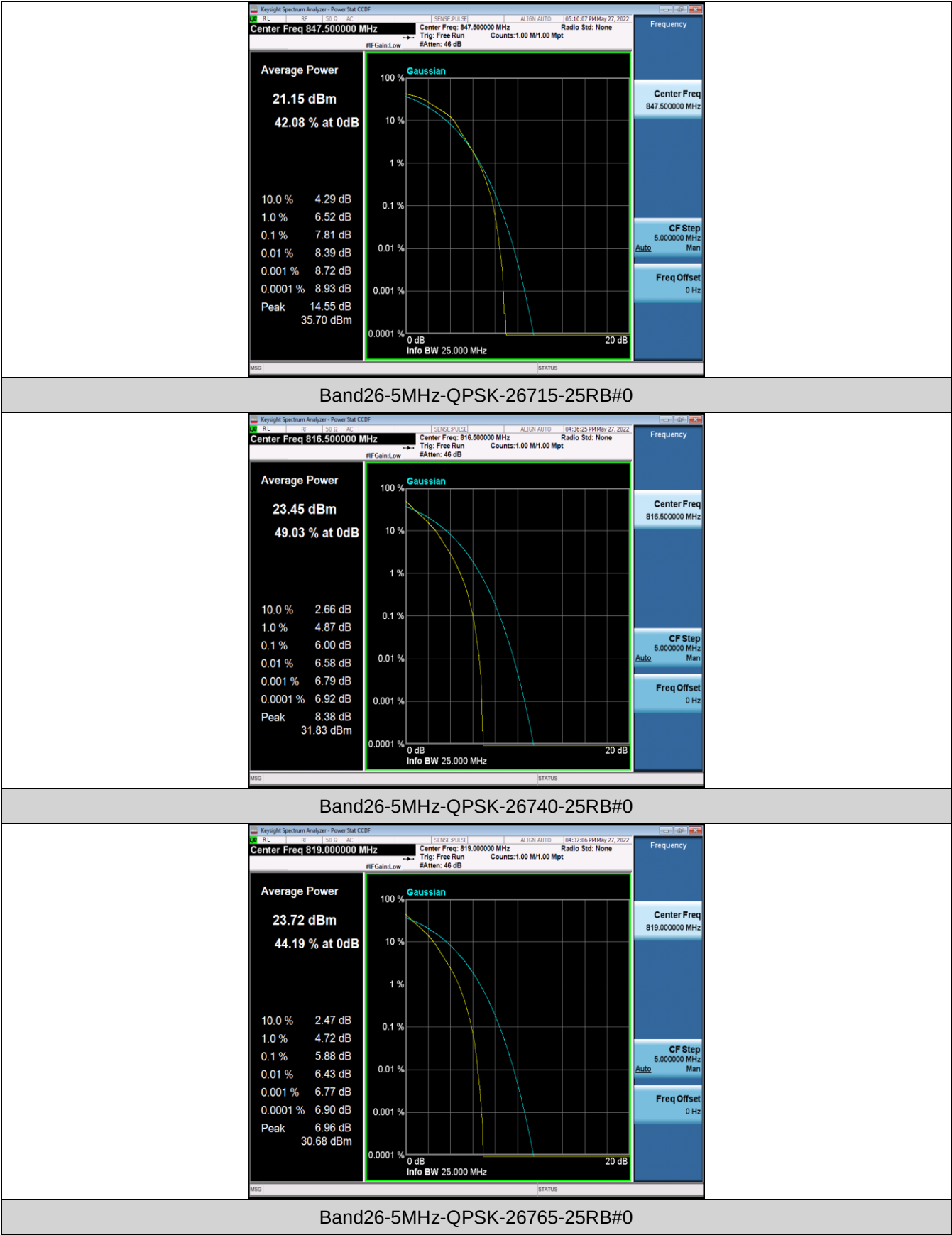
Band26-3MHz-16QAM-26805-15RB#0



Band26-3MHz-16QAM-26915-15RB#0



Band26-3MHz-16QAM-27025-15RB#0



KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 816.500000 MHz

Center Freq: 816.500000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Align: AUTO

04:36:25 PM May 27, 2022

Frequency

Center Freq
816.500000 MHz

CF Step
5.000000 MHz
Auto
Man

Freq Offset
0 Hz

Average Power

23.45 dBm

49.03 % at 0dB

10.0 % 2.66 dB

1.0 % 4.87 dB

0.1 % 6.00 dB

0.01 % 6.58 dB

0.001 % 6.79 dB

0.0001 % 6.92 dB

Peak 8.38 dB

31.83 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band26-5MHz-QPSK-26740-25RB#0

KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 819.000000 MHz

Center Freq: 819.000000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Align: AUTO

04:37:06 PM May 27, 2022

Frequency

Center Freq
819.000000 MHz

CF Step
5.000000 MHz
Auto
Man

Freq Offset
0 Hz

Average Power

23.72 dBm

44.19 % at 0dB

10.0 % 2.47 dB

1.0 % 4.72 dB

0.1 % 5.88 dB

0.01 % 6.43 dB

0.001 % 6.77 dB

0.0001 % 6.90 dB

Peak 6.96 dB

30.68 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

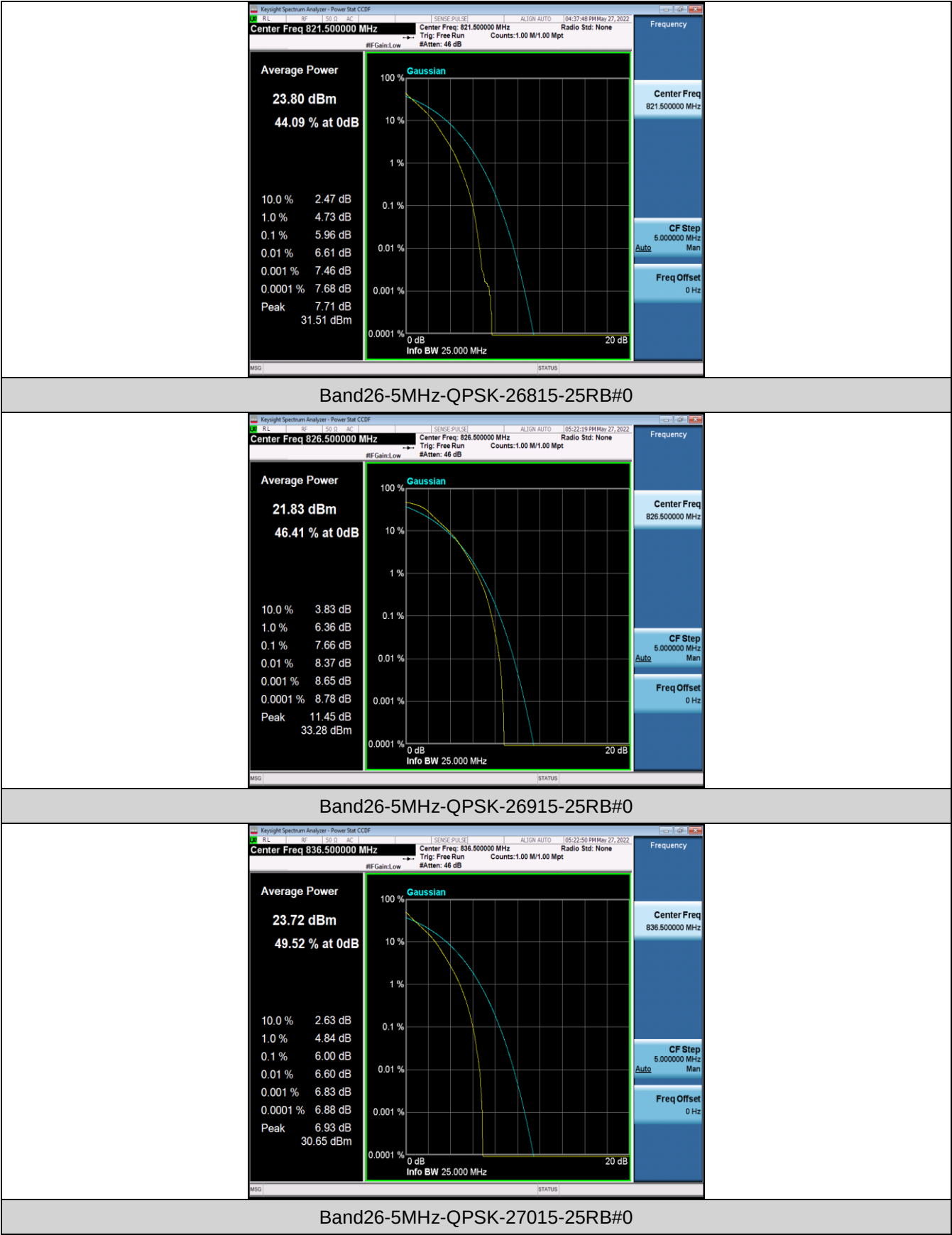
0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band26-5MHz-QPSK-26765-25RB#0



KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 826.500000 MHz

Center Freq 826.500000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

05-22-19 PM May 27, 2022

Frequency

Center Freq 826.500000 MHz

CF Step 5.000000 MHz

Auto

Man

Freq Offset 0 Hz

Average Power

21.83 dBm

46.41 % at 0dB

10.0 % 3.83 dB

1.0 % 6.36 dB

0.1 % 7.66 dB

0.01 % 8.37 dB

0.001 % 8.65 dB

0.0001 % 8.78 dB

Peak 11.45 dBm

33.28 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band26-5MHz-QPSK-26915-25RB#0

KeySight Spectrum Analyzer - Power Stat CCDF

Center Freq 836.500000 MHz

Center Freq 836.500000 MHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

05-22-50 PM May 27, 2022

Frequency

Center Freq 836.500000 MHz

CF Step 5.000000 MHz

Auto

Man

Freq Offset 0 Hz

Average Power

23.72 dBm

49.52 % at 0dB

10.0 % 2.63 dB

1.0 % 4.84 dB

0.1 % 6.00 dB

0.01 % 6.60 dB

0.001 % 6.83 dB

0.0001 % 6.88 dB

Peak 6.93 dBm

30.65 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

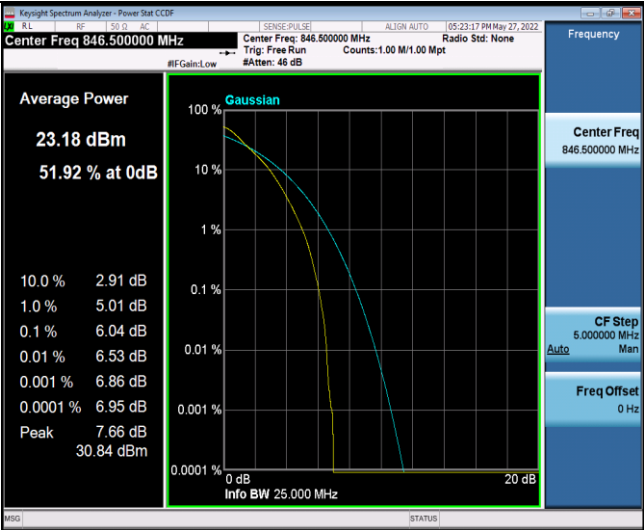
0.0001 %

0 dB

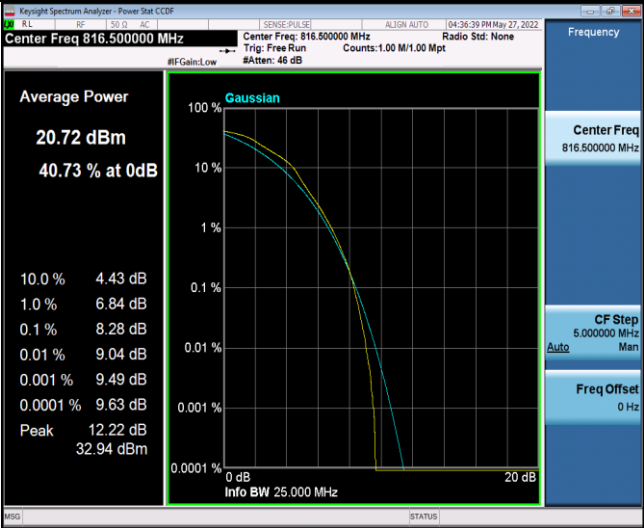
20 dB

Info BW 25.000 MHz

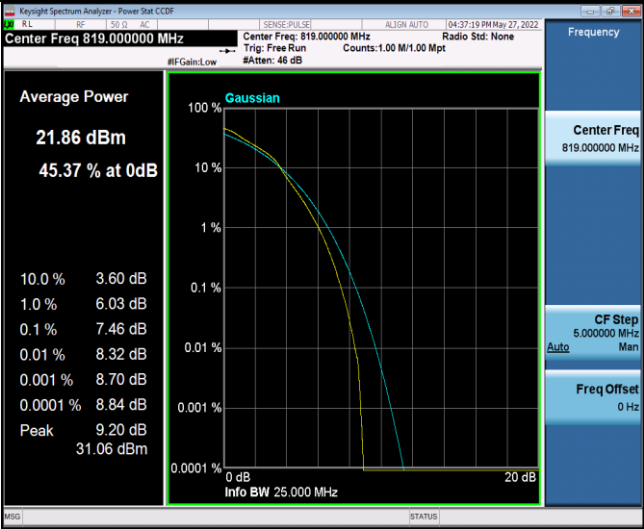
Band26-5MHz-QPSK-27015-25RB#0



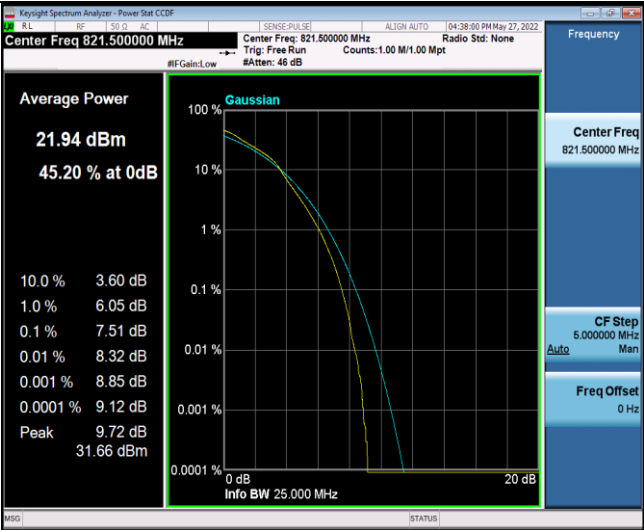
Band26-5MHz-16QAM-26715-25RB#0



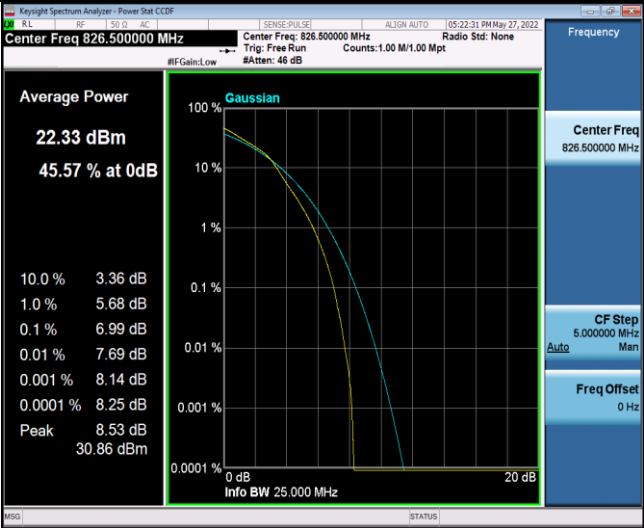
Band26-5MHz-16QAM-26740-25RB#0



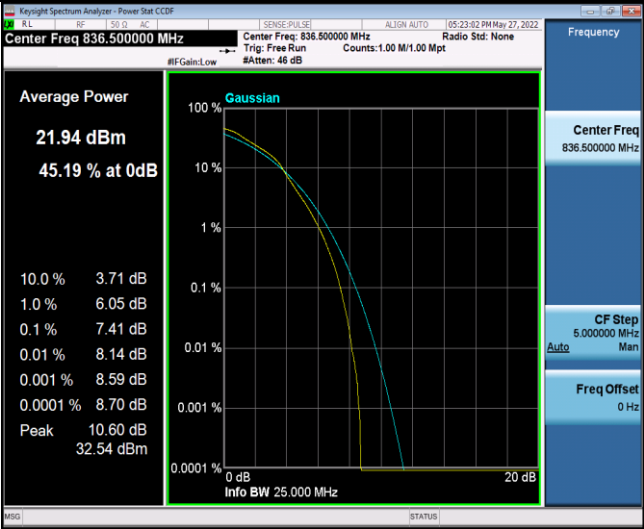
Band26-5MHz-16QAM-26765-25RB#0



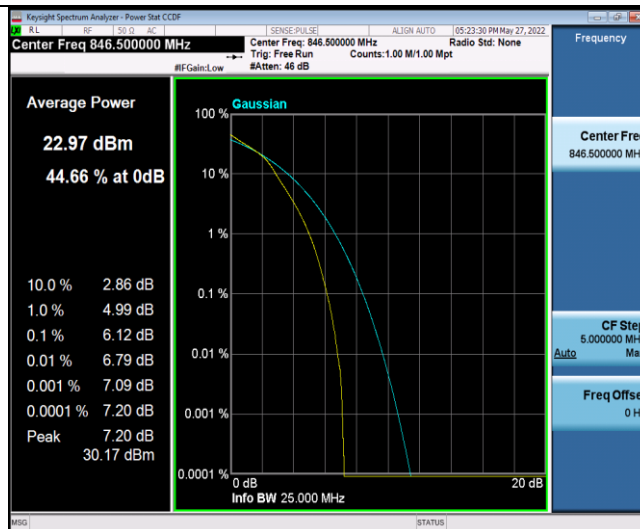
Band26-5MHz-16QAM-26815-25RB#0



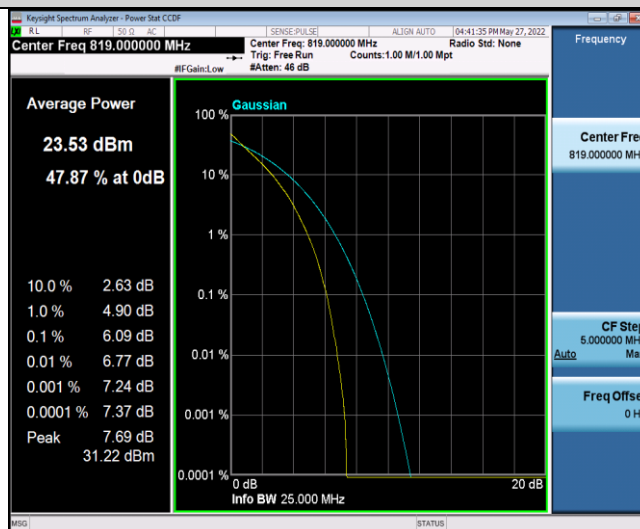
Band26-5MHz-16QAM-26915-25RB#0



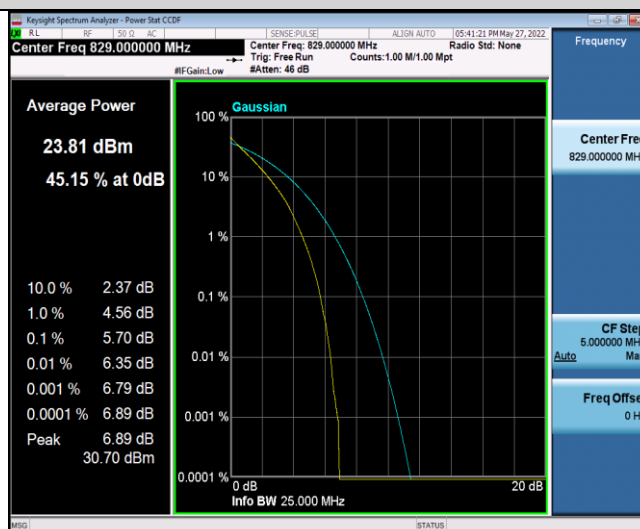
Band26-5MHz-16QAM-27015-25RB#0



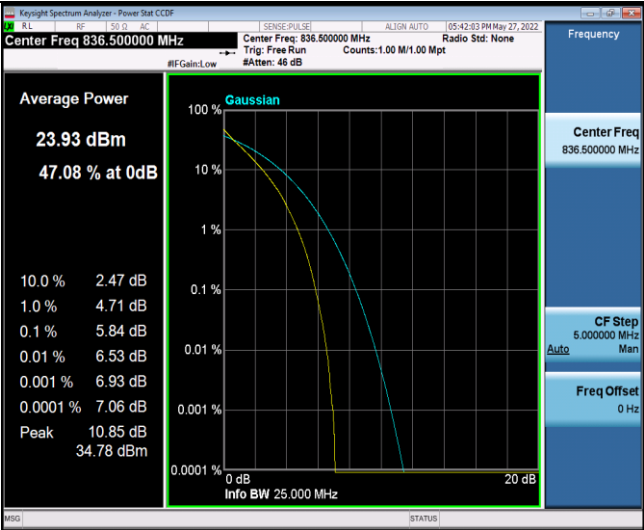
Band26-10MHz-QPSK-26740-50RB#0



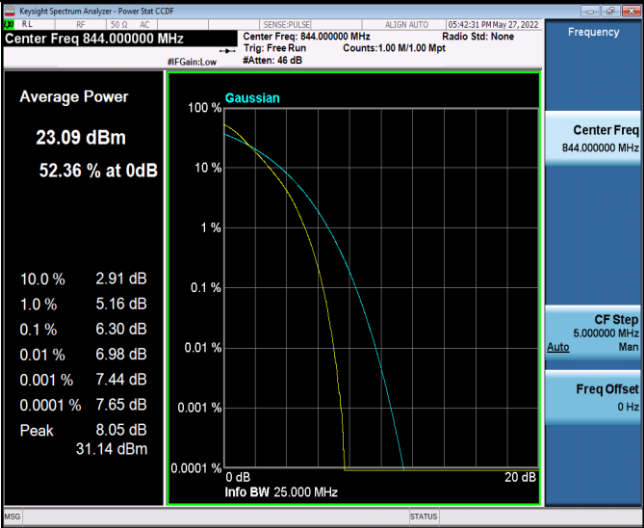
Band26-10MHz-QPSK-26840-50RB#0



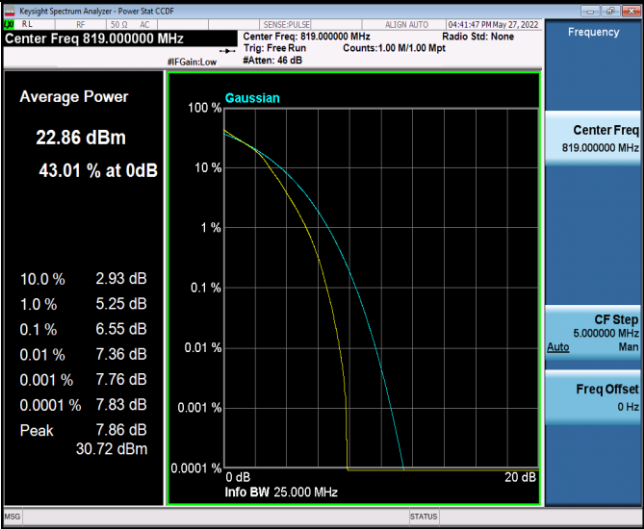
Band26-10MHz-QPSK-26915-50RB#0



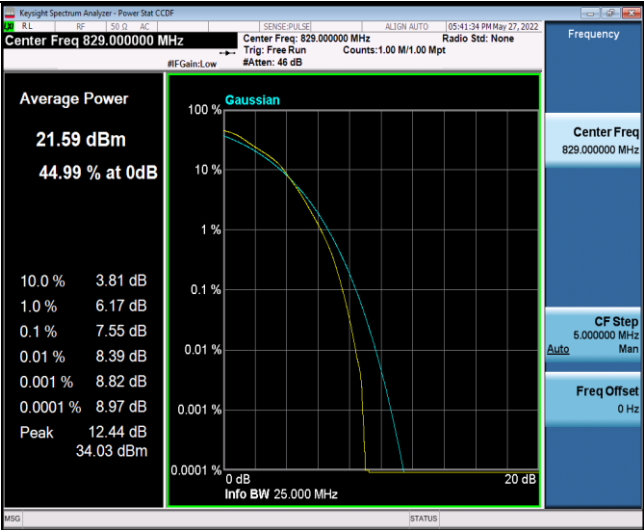
Band26-10MHz-QPSK-26990-50RB#0



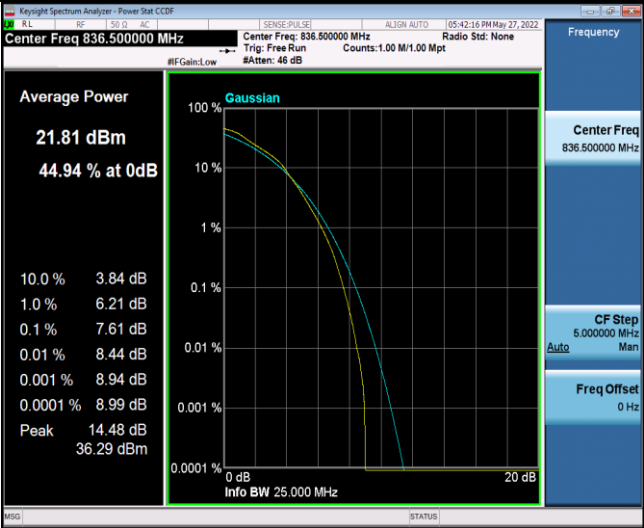
Band26-10MHz-16QAM-26740-50RB#0



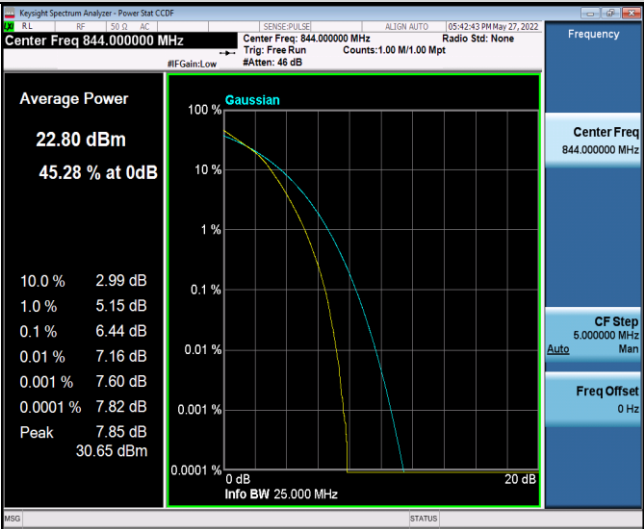
Band26-10MHz-16QAM-26840-50RB#0



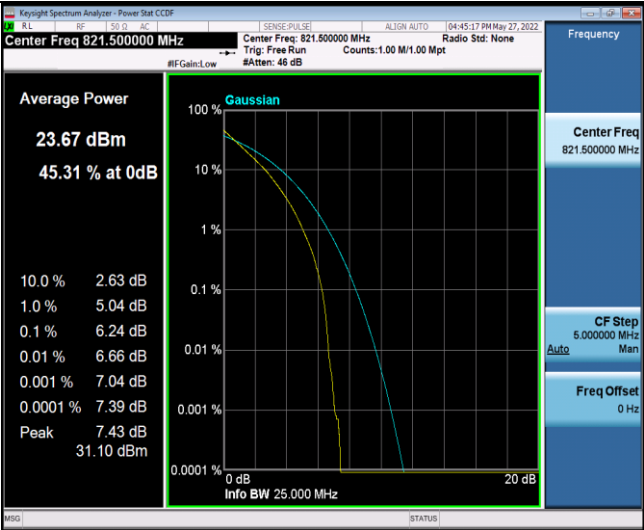
Band26-10MHz-16QAM-26915-50RB#0



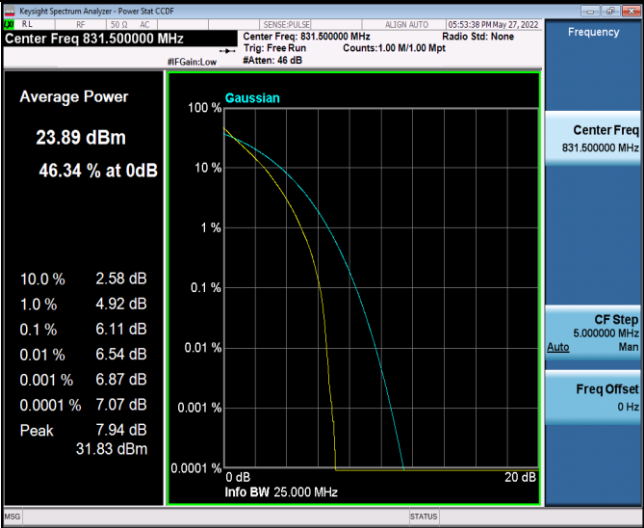
Band26-10MHz-16QAM-26990-50RB#0



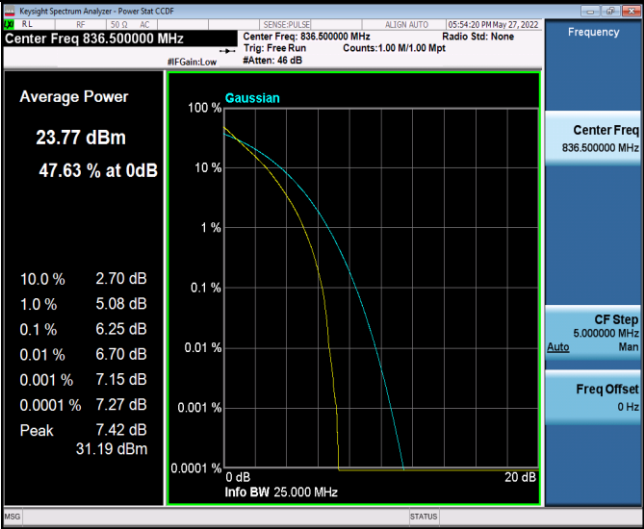
Band26-15MHz-QPSK-26765-75RB#0



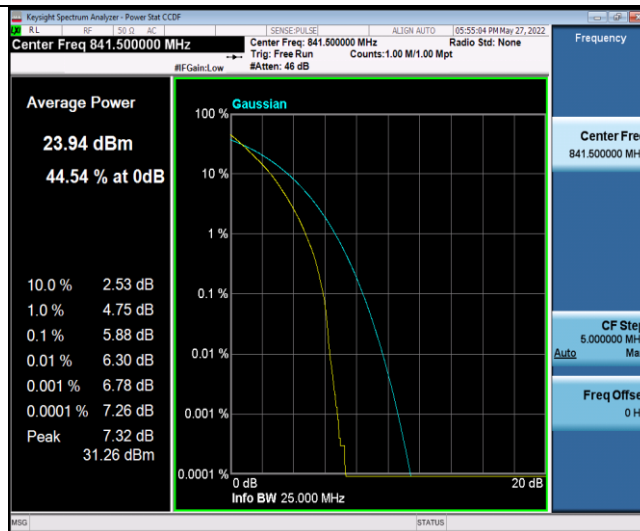
Band26-15MHz-QPSK-26865-75RB#0



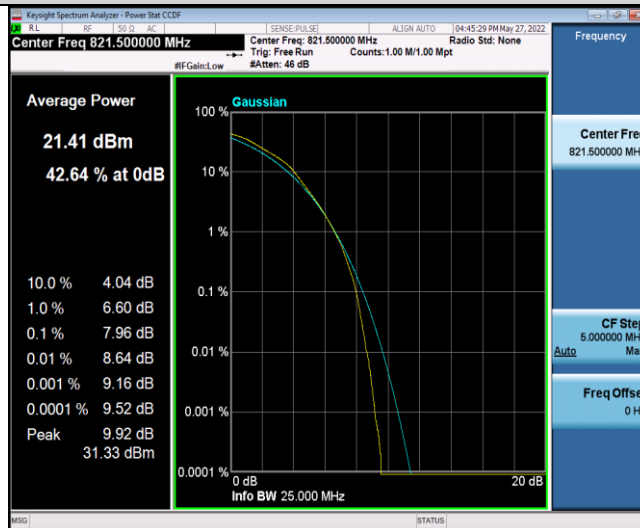
Band26-15MHz-QPSK-26915-75RB#0



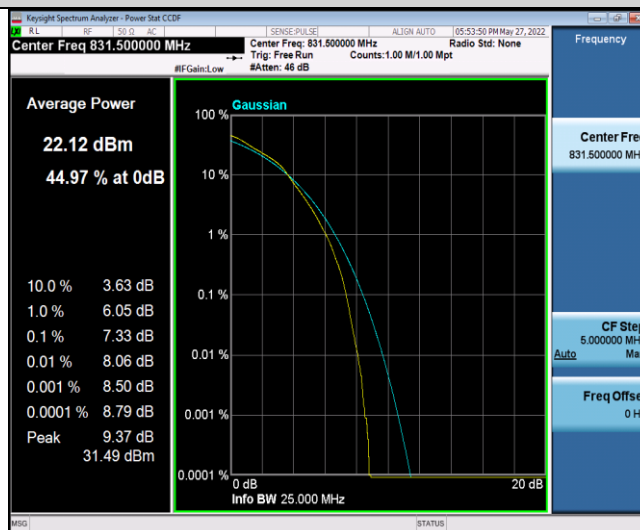
Band26-15MHz-QPSK-26965-75RB#0



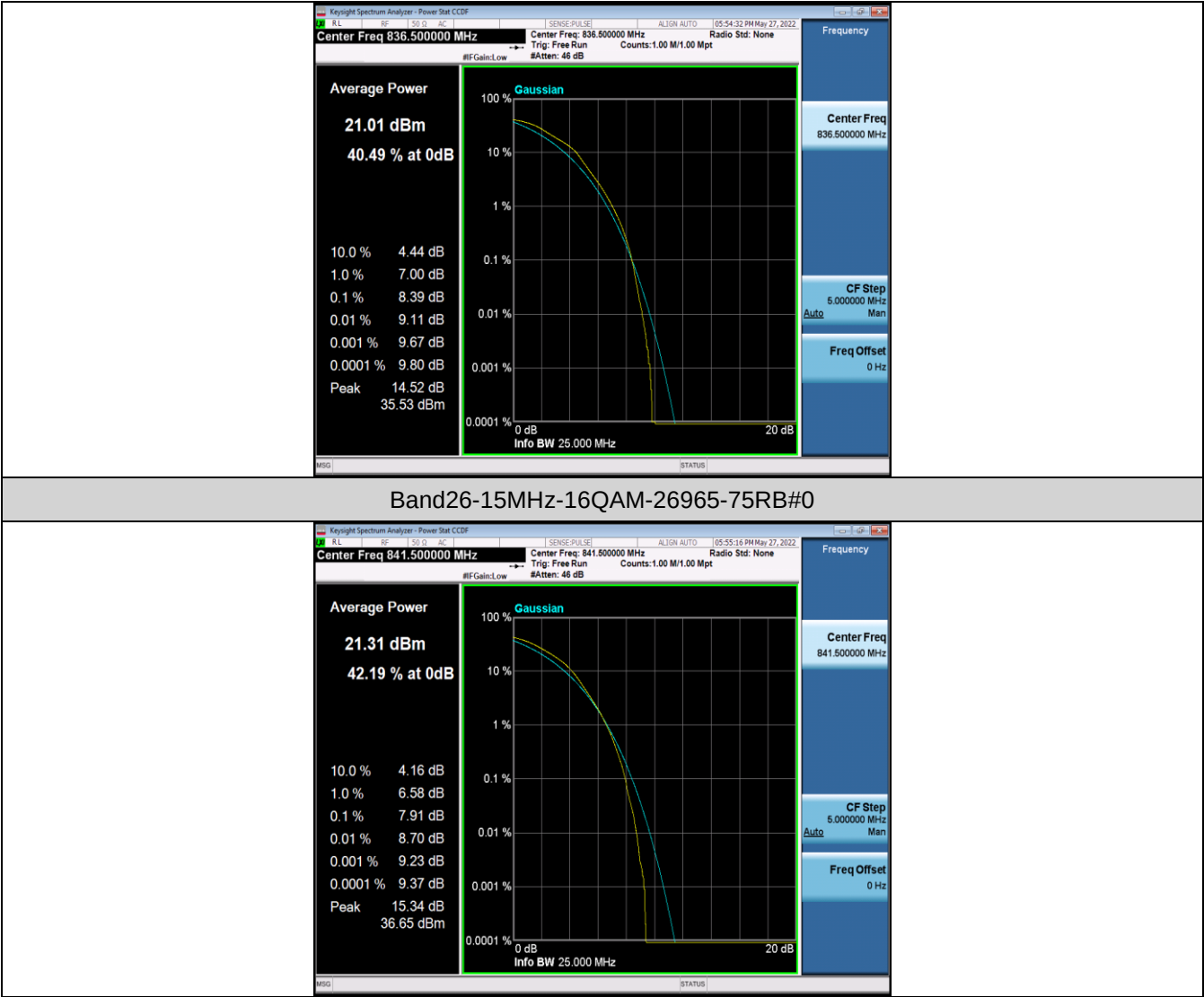
Band26-15MHz-16QAM-26765-75RB#0



Band26-15MHz-16QAM-26865-75RB#0



Band26-15MHz-16QAM-26915-75RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26	1.4MHz	QPSK	26697	6RB#0	1.0961	1.277	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	1.0926	1.302	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	1.0926	1.284	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	1.0908	1.284	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	1.0915	1.288	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	1.0964	1.284	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	1.0930	1.273	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	1.0894	1.281	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	1.0968	1.305	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	1.0940	1.296	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	1.0976	1.308	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	1.0899	1.272	PASS
Band26	3MHz	QPSK	26705	15RB#0	2.6863	2.880	PASS
Band26	3MHz	QPSK	26740	15RB#0	2.6893	2.910	PASS
Band26	3MHz	QPSK	26775	15RB#0	2.6877	2.898	PASS
Band26	3MHz	QPSK	26805	15RB#0	2.6901	2.906	PASS
Band26	3MHz	QPSK	26915	15RB#0	2.6853	2.886	PASS
Band26	3MHz	QPSK	27025	15RB#0	2.6890	2.908	PASS
Band26	3MHz	16QAM	26705	15RB#0	2.6773	2.882	PASS
Band26	3MHz	16QAM	26740	15RB#0	2.6811	2.892	PASS
Band26	3MHz	16QAM	26775	15RB#0	2.6838	2.899	PASS
Band26	3MHz	16QAM	26805	15RB#0	2.6827	2.910	PASS
Band26	3MHz	16QAM	26915	15RB#0	2.6843	2.881	PASS
Band26	3MHz	16QAM	27025	15RB#0	2.6824	2.901	PASS
Band26	5MHz	QPSK	26715	25RB#0	4.5037	4.951	PASS
Band26	5MHz	QPSK	26740	25RB#0	4.4945	4.918	PASS
Band26	5MHz	QPSK	26765	25RB#0	4.4972	4.944	PASS
Band26	5MHz	QPSK	26815	25RB#0	4.5119	4.937	PASS
Band26	5MHz	QPSK	26915	25RB#0	4.5081	4.949	PASS

Band26	5MHz	QPSK	27015	25RB#0	4.4906	4.899	PASS
Band26	5MHz	16QAM	26715	25RB#0	4.4871	4.907	PASS
Band26	5MHz	16QAM	26740	25RB#0	4.4993	4.970	PASS
Band26	5MHz	16QAM	26765	25RB#0	4.5073	4.940	PASS
Band26	5MHz	16QAM	26815	25RB#0	4.4893	4.911	PASS
Band26	5MHz	16QAM	26915	25RB#0	4.4845	4.912	PASS
Band26	5MHz	16QAM	27015	25RB#0	4.5011	4.954	PASS
Band26	10MHz	QPSK	26740	50RB#0	9.0112	9.861	PASS
Band26	10MHz	QPSK	26840	50RB#0	8.9822	9.769	PASS
Band26	10MHz	QPSK	26915	50RB#0	8.9954	9.844	PASS
Band26	10MHz	QPSK	26990	50RB#0	8.9696	9.772	PASS
Band26	10MHz	16QAM	26740	50RB#0	8.9935	9.751	PASS
Band26	10MHz	16QAM	26840	50RB#0	8.9827	9.735	PASS
Band26	10MHz	16QAM	26915	50RB#0	8.9885	9.717	PASS
Band26	10MHz	16QAM	26990	50RB#0	8.9753	9.778	PASS
Band26	15MHz	QPSK	26765	75RB#0	13.503	14.71	PASS
Band26	15MHz	QPSK	26865	75RB#0	13.448	15.31	PASS
Band26	15MHz	QPSK	26915	75RB#0	13.453	14.65	PASS
Band26	15MHz	QPSK	26965	75RB#0	13.453	14.62	PASS
Band26	15MHz	16QAM	26765	75RB#0	13.495	14.64	PASS
Band26	15MHz	16QAM	26865	75RB#0	13.464	14.61	PASS
Band26	15MHz	16QAM	26915	75RB#0	13.495	14.54	PASS
Band26	15MHz	16QAM	26965	75RB#0	13.464	14.59	PASS

Test Graphs

