

Test Data for E-UTRA Band 7

EUT: <u>Mobile DVR</u> Test Model: <u>DVR-980-4CH-WIFI-4G</u>
Ambient Condition: <u>25</u> °C, <u>45</u> %RH, <u>101.325</u> kPa
Test Engineer: <u>Jack Zhou</u>

Contents

Appendix A: Effective (Isotropic) Radiated Power Output Data 3

 Test Result..... 3

Appendix B: Peak-to-Average Ratio(CCDF) 8

 Test Result..... 8

 Test Graphs..... 10

Appendix C: 26dB Bandwidth and Occupied Bandwidth 27

 Test Result..... 27

 Test Graphs..... 28

Appendix D: Band Edge 37

 Test Result..... 37

 Test Graphs..... 39

Appendix E: Conducted Spurious Emission 56

 Test Result..... 56

 Test Graphs..... 58

Appendix F: Frequency Stability 75

 Test Result..... 75

Appendix G: Modulation Characteristics 80

 Test Result..... 80

 Test Graphs..... 81

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	19.13	15.69	PASS
Band7	5MHz	QPSK	20775	1RB#12	19.24	15.80	PASS
Band7	5MHz	QPSK	20775	1RB#24	19.13	15.69	PASS
Band7	5MHz	QPSK	20775	12RB#0	18.08	14.64	PASS
Band7	5MHz	QPSK	20775	12RB#6	18.04	14.60	PASS
Band7	5MHz	QPSK	20775	12RB#13	18.22	14.78	PASS
Band7	5MHz	QPSK	20775	25RB#0	18.13	14.69	PASS
Band7	5MHz	QPSK	21100	1RB#0	18.97	15.53	PASS
Band7	5MHz	QPSK	21100	1RB#12	18.98	15.54	PASS
Band7	5MHz	QPSK	21100	1RB#24	18.81	15.37	PASS
Band7	5MHz	QPSK	21100	12RB#0	17.92	14.48	PASS
Band7	5MHz	QPSK	21100	12RB#6	17.92	14.48	PASS
Band7	5MHz	QPSK	21100	12RB#13	17.94	14.50	PASS
Band7	5MHz	QPSK	21100	25RB#0	17.96	14.52	PASS
Band7	5MHz	QPSK	21425	1RB#0	18.41	14.97	PASS
Band7	5MHz	QPSK	21425	1RB#12	18.46	15.02	PASS
Band7	5MHz	QPSK	21425	1RB#24	18.36	14.92	PASS
Band7	5MHz	QPSK	21425	12RB#0	17.32	13.88	PASS
Band7	5MHz	QPSK	21425	12RB#6	17.32	13.88	PASS
Band7	5MHz	QPSK	21425	12RB#13	17.36	13.92	PASS
Band7	5MHz	QPSK	21425	25RB#0	17.33	13.89	PASS
Band7	5MHz	16QAM	20775	1RB#0	18.11	14.67	PASS
Band7	5MHz	16QAM	20775	1RB#12	18.17	14.73	PASS
Band7	5MHz	16QAM	20775	1RB#24	18.09	14.65	PASS
Band7	5MHz	16QAM	20775	12RB#0	17.06	13.62	PASS
Band7	5MHz	16QAM	20775	12RB#6	17.03	13.59	PASS
Band7	5MHz	16QAM	20775	12RB#13	17.19	13.75	PASS
Band7	5MHz	16QAM	20775	25RB#0	17.15	13.71	PASS
Band7	5MHz	16QAM	21100	1RB#0	18.10	14.66	PASS
Band7	5MHz	16QAM	21100	1RB#12	18.04	14.60	PASS
Band7	5MHz	16QAM	21100	1RB#24	17.94	14.50	PASS

Band7	5MHz	16QAM	21100	12RB#0	16.93	13.49	PASS
Band7	5MHz	16QAM	21100	12RB#6	16.95	13.51	PASS
Band7	5MHz	16QAM	21100	12RB#13	16.94	13.50	PASS
Band7	5MHz	16QAM	21100	25RB#0	16.91	13.47	PASS
Band7	5MHz	16QAM	21425	1RB#0	17.30	13.86	PASS
Band7	5MHz	16QAM	21425	1RB#12	17.39	13.95	PASS
Band7	5MHz	16QAM	21425	1RB#24	17.35	13.91	PASS
Band7	5MHz	16QAM	21425	12RB#0	16.33	12.89	PASS
Band7	5MHz	16QAM	21425	12RB#6	16.29	12.85	PASS
Band7	5MHz	16QAM	21425	12RB#13	16.37	12.93	PASS
Band7	5MHz	16QAM	21425	25RB#0	16.37	12.93	PASS
Band7	10MHz	QPSK	20800	1RB#0	19.10	15.66	PASS
Band7	10MHz	QPSK	20800	1RB#24	19.17	15.73	PASS
Band7	10MHz	QPSK	20800	1RB#49	19.15	15.71	PASS
Band7	10MHz	QPSK	20800	25RB#0	18.07	14.63	PASS
Band7	10MHz	QPSK	20800	25RB#12	18.00	14.56	PASS
Band7	10MHz	QPSK	20800	25RB#25	18.24	14.80	PASS
Band7	10MHz	QPSK	20800	50RB#0	18.16	14.72	PASS
Band7	10MHz	QPSK	21100	1RB#0	19.12	15.68	PASS
Band7	10MHz	QPSK	21100	1RB#24	19.02	15.58	PASS
Band7	10MHz	QPSK	21100	1RB#49	18.76	15.32	PASS
Band7	10MHz	QPSK	21100	25RB#0	17.99	14.55	PASS
Band7	10MHz	QPSK	21100	25RB#12	17.96	14.52	PASS
Band7	10MHz	QPSK	21100	25RB#25	17.98	14.54	PASS
Band7	10MHz	QPSK	21100	50RB#0	17.99	14.55	PASS
Band7	10MHz	QPSK	21400	1RB#0	18.29	14.85	PASS
Band7	10MHz	QPSK	21400	1RB#24	18.40	14.96	PASS
Band7	10MHz	QPSK	21400	1RB#49	18.35	14.91	PASS
Band7	10MHz	QPSK	21400	25RB#0	17.40	13.96	PASS
Band7	10MHz	QPSK	21400	25RB#12	17.39	13.95	PASS
Band7	10MHz	QPSK	21400	25RB#25	17.42	13.98	PASS
Band7	10MHz	QPSK	21400	50RB#0	17.41	13.97	PASS
Band7	10MHz	16QAM	20800	1RB#0	18.12	14.68	PASS
Band7	10MHz	16QAM	20800	1RB#24	18.25	14.81	PASS
Band7	10MHz	16QAM	20800	1RB#49	18.21	14.77	PASS
Band7	10MHz	16QAM	20800	25RB#0	17.02	13.58	PASS
Band7	10MHz	16QAM	20800	25RB#12	17.02	13.58	PASS

Band7	10MHz	16QAM	20800	25RB#25	17.24	13.80	PASS
Band7	10MHz	16QAM	20800	50RB#0	17.15	13.71	PASS
Band7	10MHz	16QAM	21100	1RB#0	17.99	14.55	PASS
Band7	10MHz	16QAM	21100	1RB#24	17.95	14.51	PASS
Band7	10MHz	16QAM	21100	1RB#49	17.68	14.24	PASS
Band7	10MHz	16QAM	21100	25RB#0	17.00	13.56	PASS
Band7	10MHz	16QAM	21100	25RB#12	16.99	13.55	PASS
Band7	10MHz	16QAM	21100	25RB#25	16.96	13.52	PASS
Band7	10MHz	16QAM	21100	50RB#0	16.98	13.54	PASS
Band7	10MHz	16QAM	21400	1RB#0	17.35	13.91	PASS
Band7	10MHz	16QAM	21400	1RB#24	17.49	14.05	PASS
Band7	10MHz	16QAM	21400	1RB#49	17.41	13.97	PASS
Band7	10MHz	16QAM	21400	25RB#0	16.39	12.95	PASS
Band7	10MHz	16QAM	21400	25RB#12	16.38	12.94	PASS
Band7	10MHz	16QAM	21400	25RB#25	16.43	12.99	PASS
Band7	10MHz	16QAM	21400	50RB#0	16.41	12.97	PASS
Band7	15MHz	QPSK	20825	1RB#0	19.10	15.66	PASS
Band7	15MHz	QPSK	20825	1RB#38	19.20	15.76	PASS
Band7	15MHz	QPSK	20825	1RB#74	19.15	15.71	PASS
Band7	15MHz	QPSK	20825	38RB#0	18.08	14.64	PASS
Band7	15MHz	QPSK	20825	38RB#18	18.09	14.65	PASS
Band7	15MHz	QPSK	20825	38RB#37	18.11	14.67	PASS
Band7	15MHz	QPSK	20825	75RB#0	18.14	14.70	PASS
Band7	15MHz	QPSK	21100	1RB#0	19.01	15.57	PASS
Band7	15MHz	QPSK	21100	1RB#38	18.91	15.47	PASS
Band7	15MHz	QPSK	21100	1RB#74	18.64	15.20	PASS
Band7	15MHz	QPSK	21100	38RB#0	17.96	14.52	PASS
Band7	15MHz	QPSK	21100	38RB#18	17.95	14.51	PASS
Band7	15MHz	QPSK	21100	38RB#37	17.97	14.53	PASS
Band7	15MHz	QPSK	21100	75RB#0	17.97	14.53	PASS
Band7	15MHz	QPSK	21375	1RB#0	18.28	14.84	PASS
Band7	15MHz	QPSK	21375	1RB#38	18.38	14.94	PASS
Band7	15MHz	QPSK	21375	1RB#74	18.38	14.94	PASS
Band7	15MHz	QPSK	21375	38RB#0	17.46	14.02	PASS
Band7	15MHz	QPSK	21375	38RB#18	17.45	14.01	PASS
Band7	15MHz	QPSK	21375	38RB#37	17.50	14.06	PASS
Band7	15MHz	QPSK	21375	75RB#0	17.45	14.01	PASS

Band7	15MHz	16QAM	20825	1RB#0	18.17	14.73	PASS
Band7	15MHz	16QAM	20825	1RB#38	18.26	14.82	PASS
Band7	15MHz	16QAM	20825	1RB#74	18.17	14.73	PASS
Band7	15MHz	16QAM	20825	38RB#0	18.08	14.64	PASS
Band7	15MHz	16QAM	20825	38RB#18	18.10	14.66	PASS
Band7	15MHz	16QAM	20825	38RB#37	18.11	14.67	PASS
Band7	15MHz	16QAM	20825	75RB#0	17.11	13.67	PASS
Band7	15MHz	16QAM	21100	1RB#0	18.25	14.81	PASS
Band7	15MHz	16QAM	21100	1RB#38	18.11	14.67	PASS
Band7	15MHz	16QAM	21100	1RB#74	17.83	14.39	PASS
Band7	15MHz	16QAM	21100	38RB#0	17.95	14.51	PASS
Band7	15MHz	16QAM	21100	38RB#18	17.95	14.51	PASS
Band7	15MHz	16QAM	21100	38RB#37	17.95	14.51	PASS
Band7	15MHz	16QAM	21100	75RB#0	16.95	13.51	PASS
Band7	15MHz	16QAM	21375	1RB#0	17.32	13.88	PASS
Band7	15MHz	16QAM	21375	1RB#38	17.41	13.97	PASS
Band7	15MHz	16QAM	21375	1RB#74	17.43	13.99	PASS
Band7	15MHz	16QAM	21375	38RB#0	17.46	14.02	PASS
Band7	15MHz	16QAM	21375	38RB#18	17.41	13.97	PASS
Band7	15MHz	16QAM	21375	38RB#37	17.46	14.02	PASS
Band7	15MHz	16QAM	21375	75RB#0	16.39	12.95	PASS
Band7	20MHz	QPSK	20850	1RB#0	18.17	14.73	PASS
Band7	20MHz	QPSK	20850	1RB#49	19.26	15.82	PASS
Band7	20MHz	QPSK	20850	1RB#99	19.18	15.74	PASS
Band7	20MHz	QPSK	20850	50RB#0	17.95	14.51	PASS
Band7	20MHz	QPSK	20850	50RB#25	17.94	14.50	PASS
Band7	20MHz	QPSK	20850	50RB#50	18.08	14.64	PASS
Band7	20MHz	QPSK	20850	100RB#0	18.01	14.57	PASS
Band7	20MHz	QPSK	21100	1RB#0	18.15	14.71	PASS
Band7	20MHz	QPSK	21100	1RB#49	19.01	15.57	PASS
Band7	20MHz	QPSK	21100	1RB#99	18.58	15.14	PASS
Band7	20MHz	QPSK	21100	50RB#0	17.94	14.50	PASS
Band7	20MHz	QPSK	21100	50RB#25	17.98	14.54	PASS
Band7	20MHz	QPSK	21100	50RB#50	17.98	14.54	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.95	14.51	PASS
Band7	20MHz	QPSK	21350	1RB#0	17.49	14.05	PASS
Band7	20MHz	QPSK	21350	1RB#49	18.41	14.97	PASS

Band7	20MHz	QPSK	21350	1RB#99	18.36	14.92	PASS
Band7	20MHz	QPSK	21350	50RB#0	17.55	14.11	PASS
Band7	20MHz	QPSK	21350	50RB#25	17.55	14.11	PASS
Band7	20MHz	QPSK	21350	50RB#50	17.33	13.89	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.46	14.02	PASS
Band7	20MHz	16QAM	20850	1RB#0	17.03	13.59	PASS
Band7	20MHz	16QAM	20850	1RB#49	18.21	14.77	PASS
Band7	20MHz	16QAM	20850	1RB#99	18.11	14.67	PASS
Band7	20MHz	16QAM	20850	50RB#0	16.96	13.52	PASS
Band7	20MHz	16QAM	20850	50RB#25	16.95	13.51	PASS
Band7	20MHz	16QAM	20850	50RB#50	17.11	13.67	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.00	13.56	PASS
Band7	20MHz	16QAM	21100	1RB#0	17.26	13.82	PASS
Band7	20MHz	16QAM	21100	1RB#49	18.18	14.74	PASS
Band7	20MHz	16QAM	21100	1RB#99	17.74	14.30	PASS
Band7	20MHz	16QAM	21100	50RB#0	16.98	13.54	PASS
Band7	20MHz	16QAM	21100	50RB#25	16.99	13.55	PASS
Band7	20MHz	16QAM	21100	50RB#50	17.01	13.57	PASS
Band7	20MHz	16QAM	21100	100RB#0	16.94	13.50	PASS
Band7	20MHz	16QAM	21350	1RB#0	16.32	12.88	PASS
Band7	20MHz	16QAM	21350	1RB#49	17.36	13.92	PASS
Band7	20MHz	16QAM	21350	1RB#99	17.34	13.90	PASS
Band7	20MHz	16QAM	21350	50RB#0	16.53	13.09	PASS
Band7	20MHz	16QAM	21350	50RB#25	16.56	13.12	PASS
Band7	20MHz	16QAM	21350	50RB#50	16.36	12.92	PASS
Band7	20MHz	16QAM	21350	100RB#0	16.47	13.03	PASS

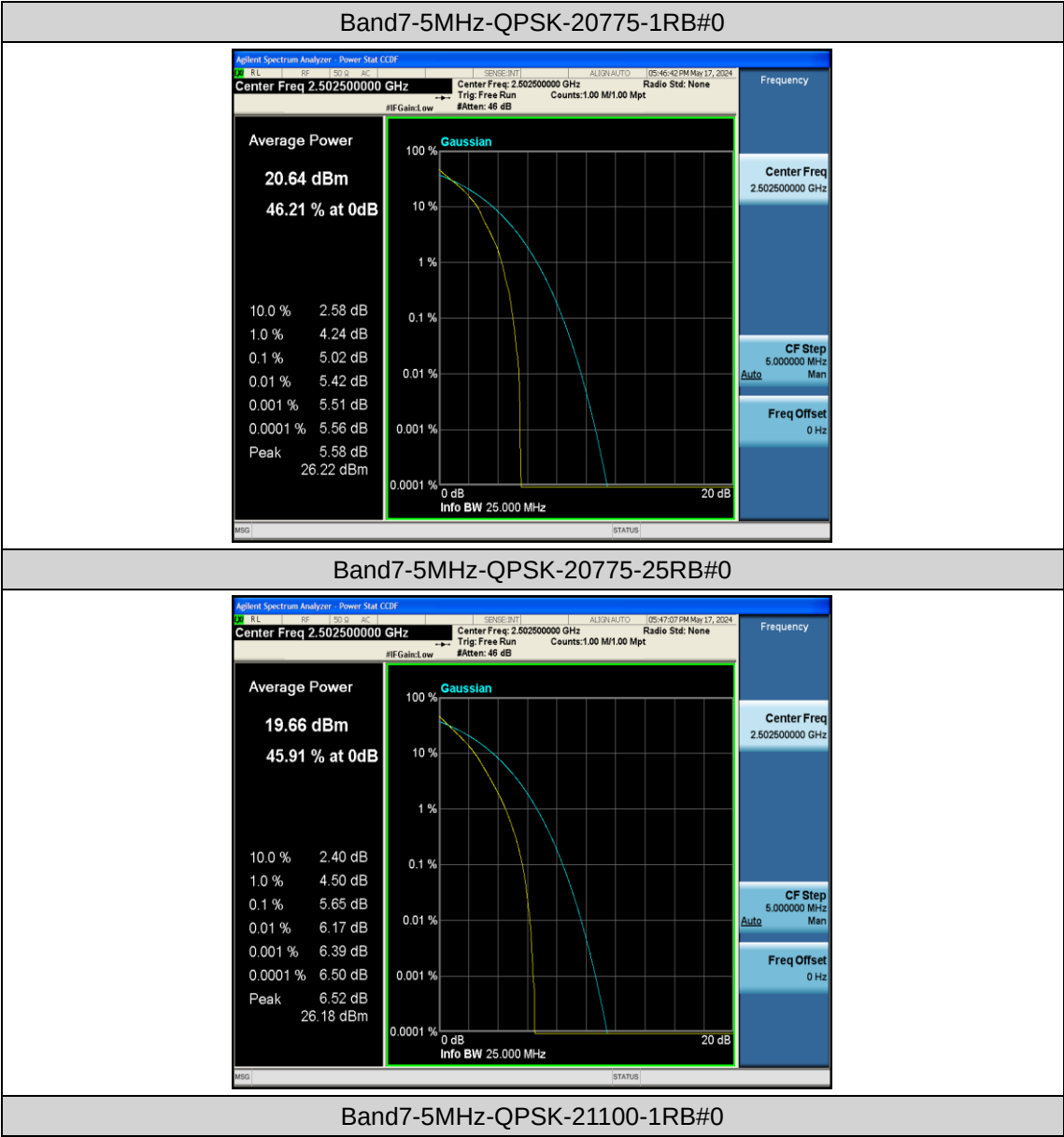
Appendix B: Peak-to-Average Ratio(CCDF)

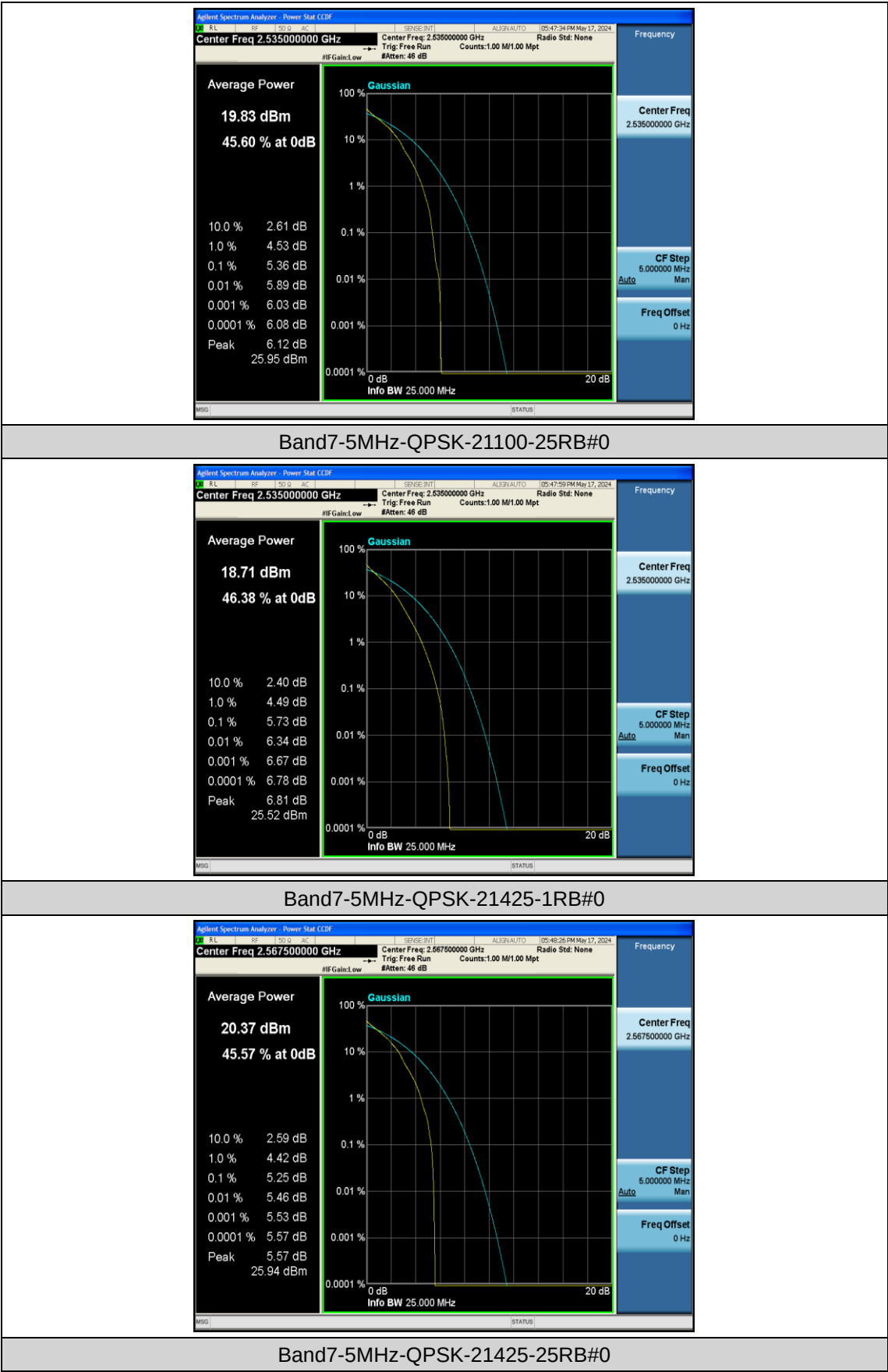
Test Result

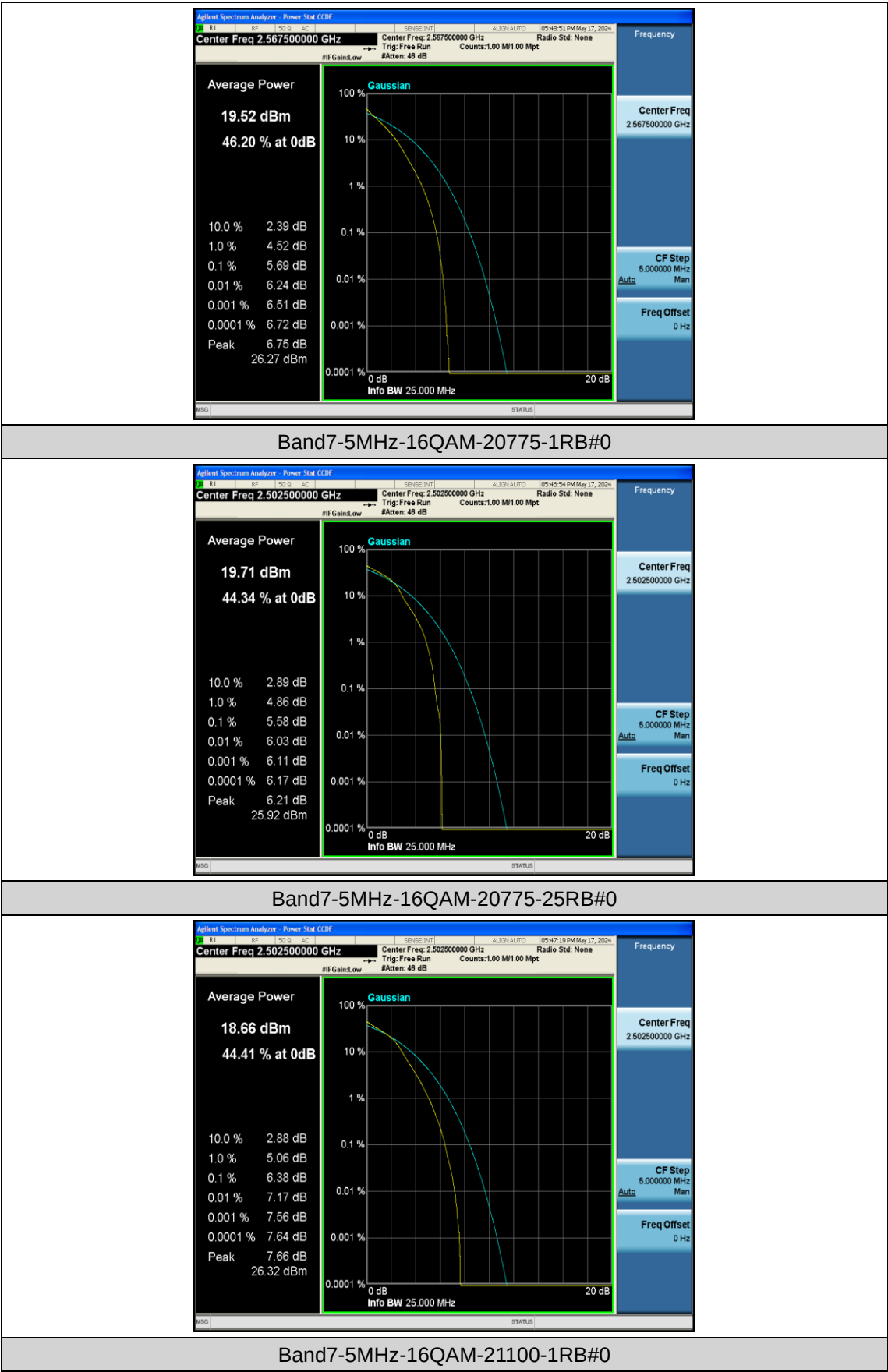
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	5.02	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.65	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	5.36	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.73	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.25	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.69	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.58	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	6.38	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.96	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.48	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.83	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.34	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	4.87	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.64	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	5.21	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.70	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.69	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.56	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.82	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	6.32	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.92	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.48	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.47	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.37	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	4.77	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	6.10	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	5.10	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	6.04	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	4.24	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.82	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.82	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.44	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.94	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.53	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	5.09	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.40	13	PASS

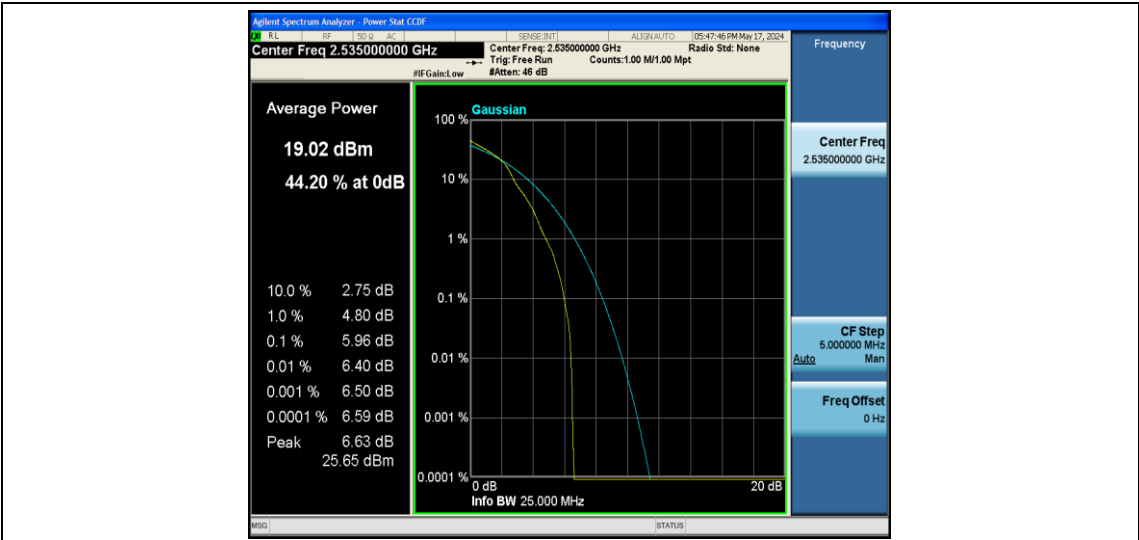
Band7	20MHz	QPSK	20850	1RB#0	5.00	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.59	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	5.50	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.78	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.60	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.61	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.86	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.41	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	6.26	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.44	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.29	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.35	13	PASS

Test Graphs

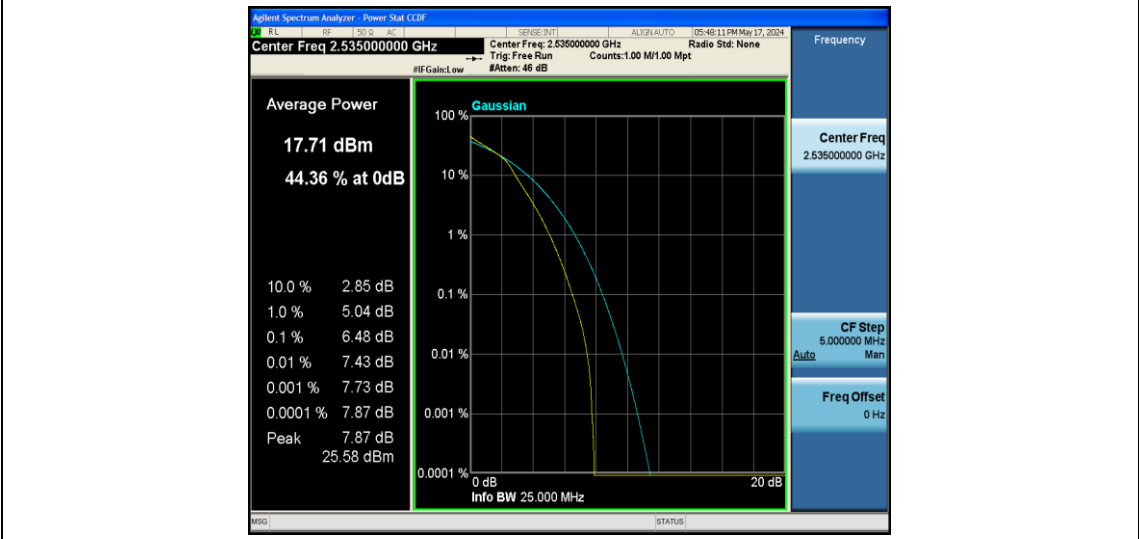




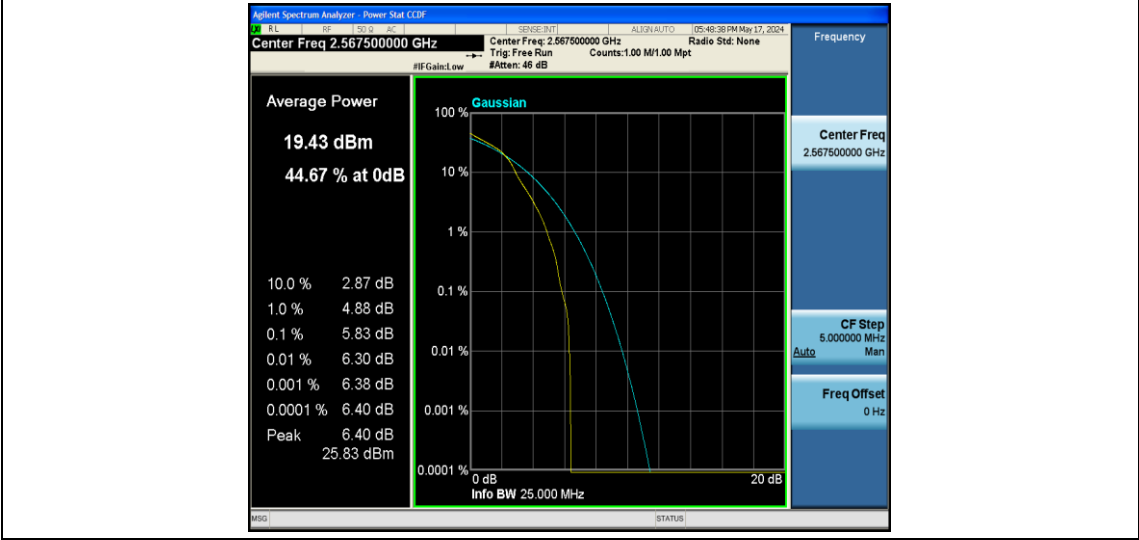




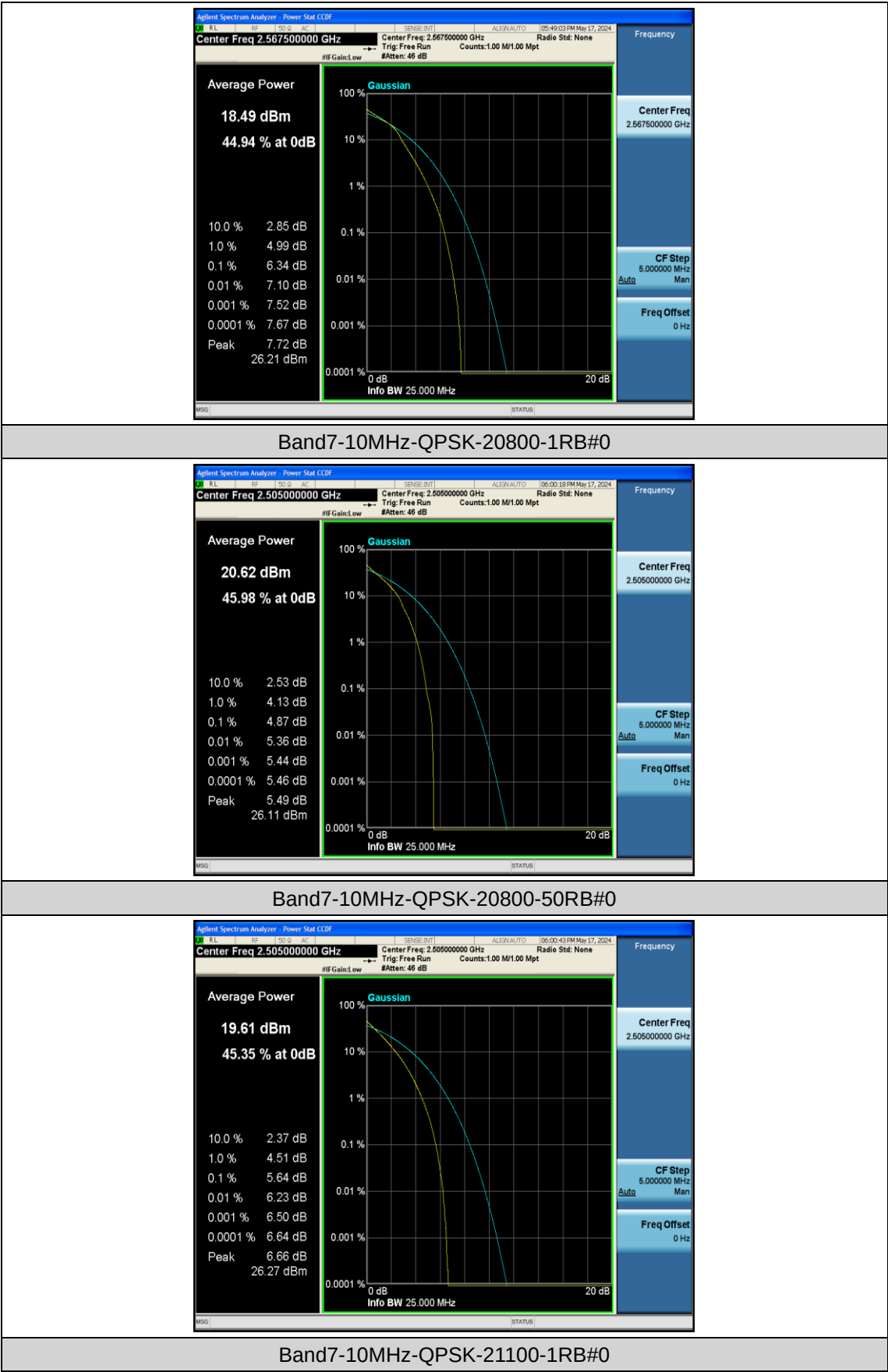
Band7-5MHz-16QAM-21100-25RB#0

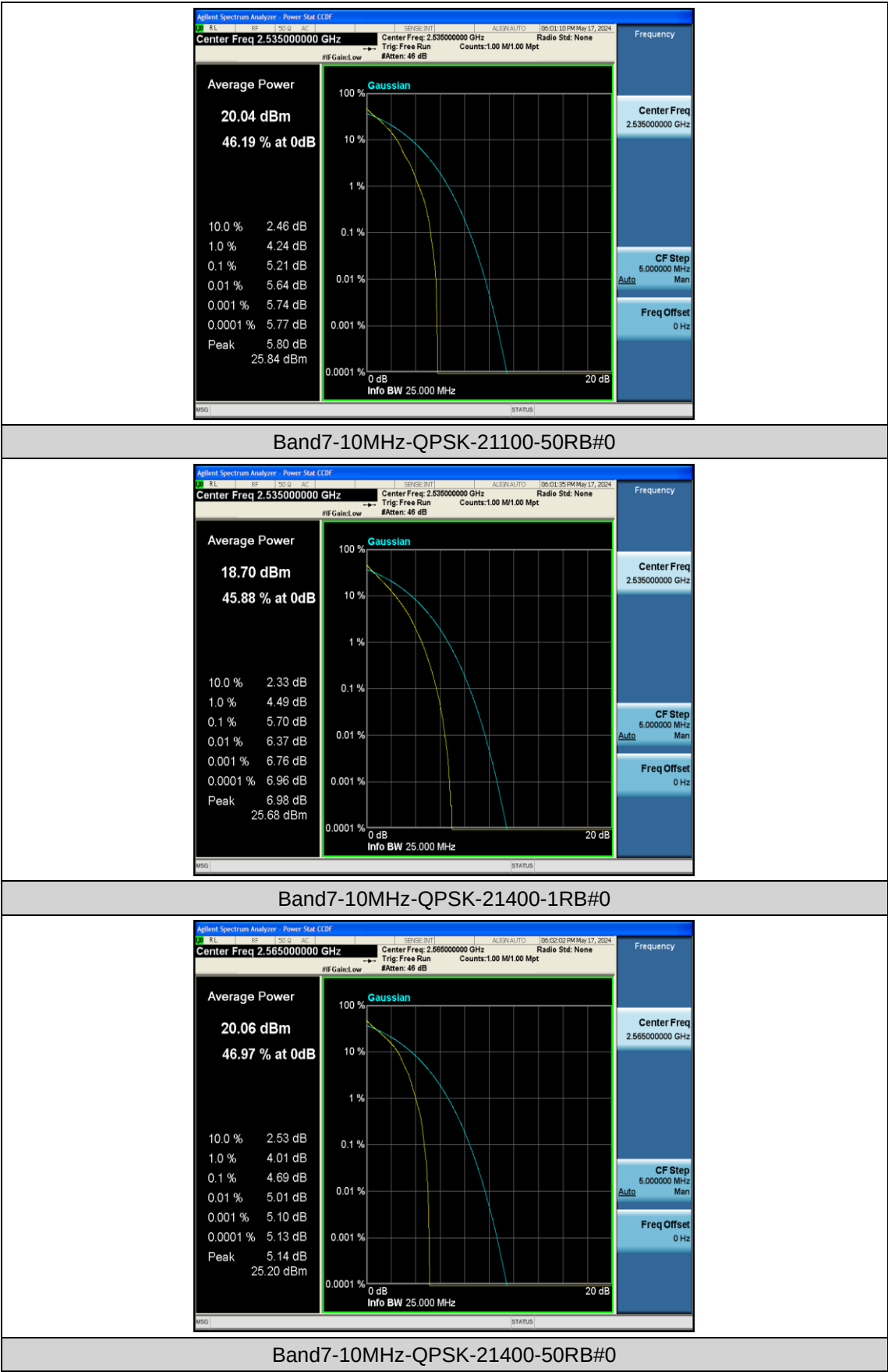


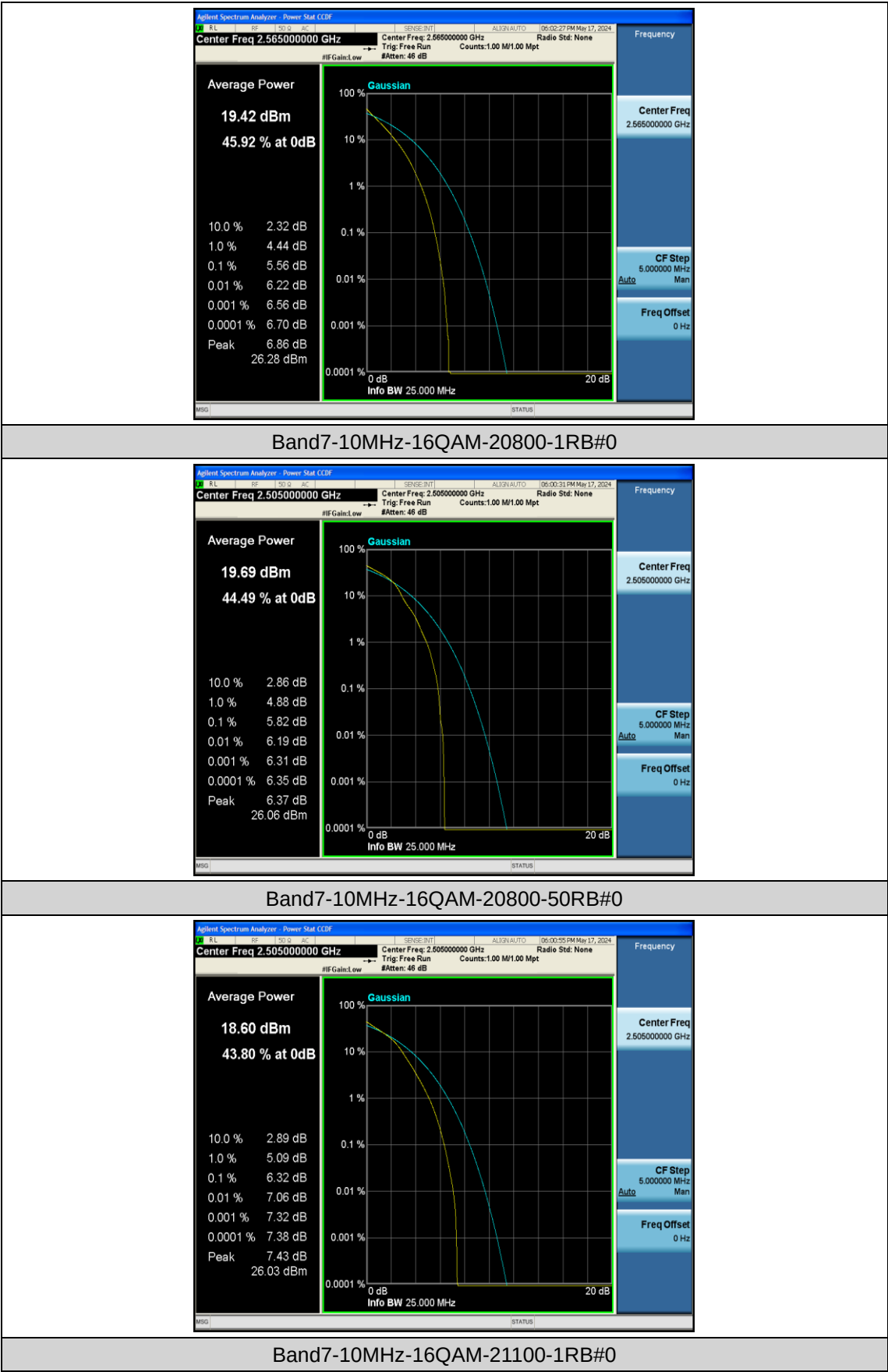
Band7-5MHz-16QAM-21425-1RB#0



Band7-5MHz-16QAM-21425-25RB#0







Agilent Spectrum Analyzer - Power Stat CDF

Center Freq 2.505000000 GHz

Center Freq: 2.505000000 GHz

Radio Std: None

Frequency

Center Freq

2.505000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

19.69 dBm

44.49 % at 0dB

10.0 % 2.86 dB

1.0 % 4.88 dB

0.1 % 5.82 dB

0.01 % 6.19 dB

0.001 % 6.31 dB

0.0001 % 6.35 dB

Peak 6.37 dB

26.06 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

MSG

STATUS

Band7-10MHz-16QAM-20800-50RB#0

Agilent Spectrum Analyzer - Power Stat CDF

Center Freq 2.505000000 GHz

Center Freq: 2.505000000 GHz

Radio Std: None

Frequency

Center Freq

2.505000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

18.60 dBm

43.80 % at 0dB

10.0 % 2.89 dB

1.0 % 5.09 dB

0.1 % 6.32 dB

0.01 % 7.06 dB

0.001 % 7.32 dB

0.0001 % 7.38 dB

Peak 7.43 dB

26.03 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

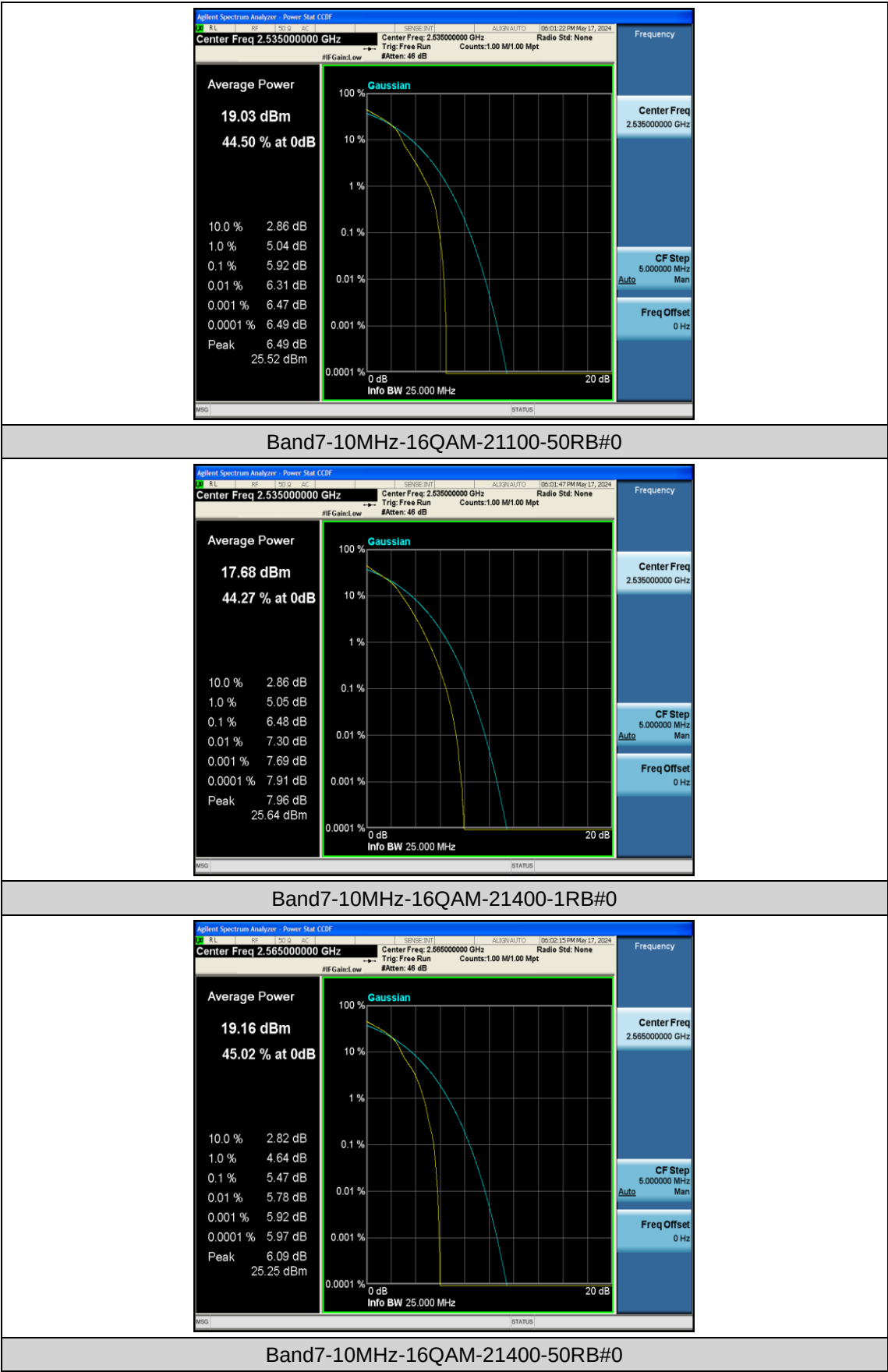
20 dB

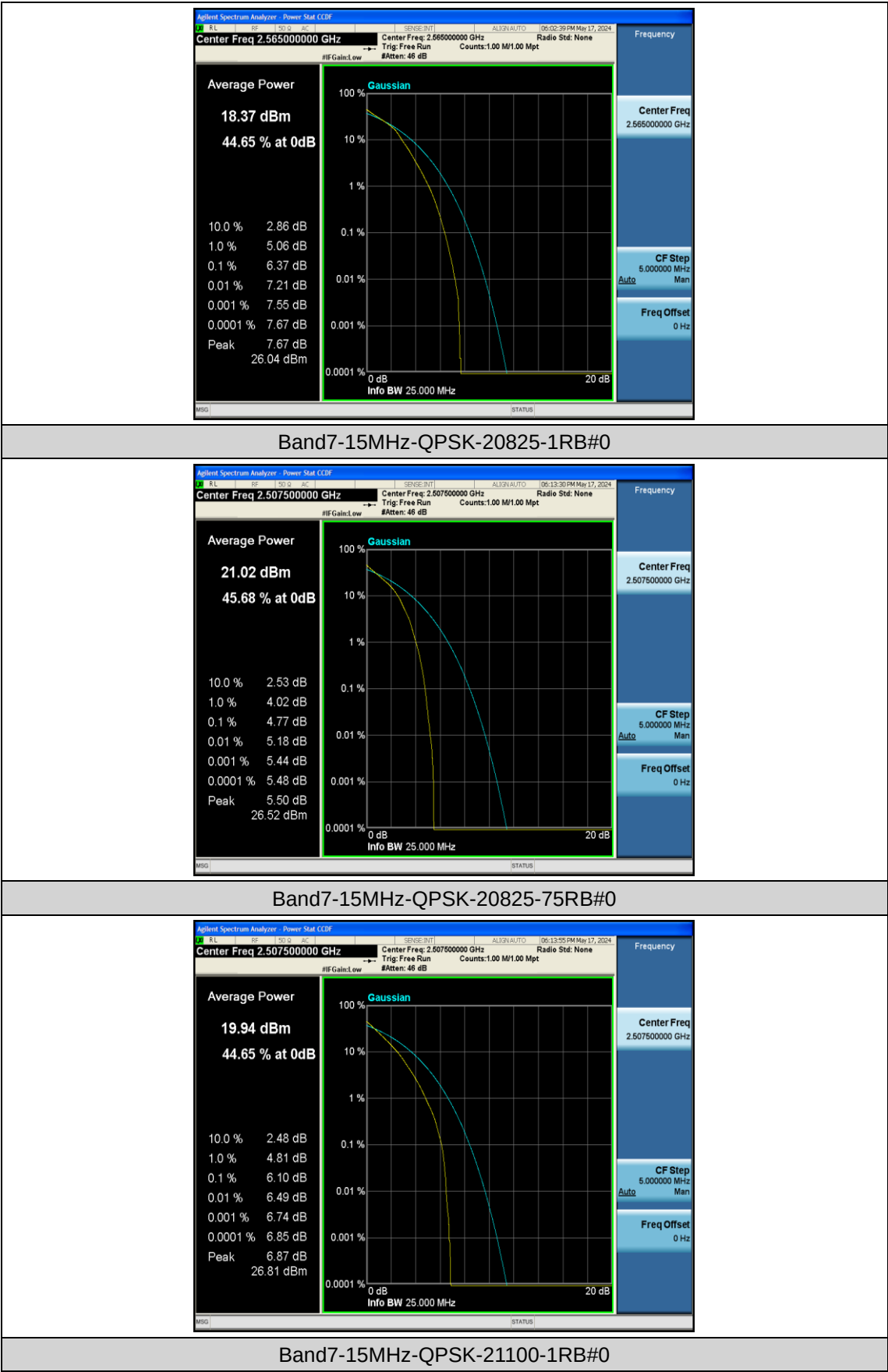
Info BW 25.000 MHz

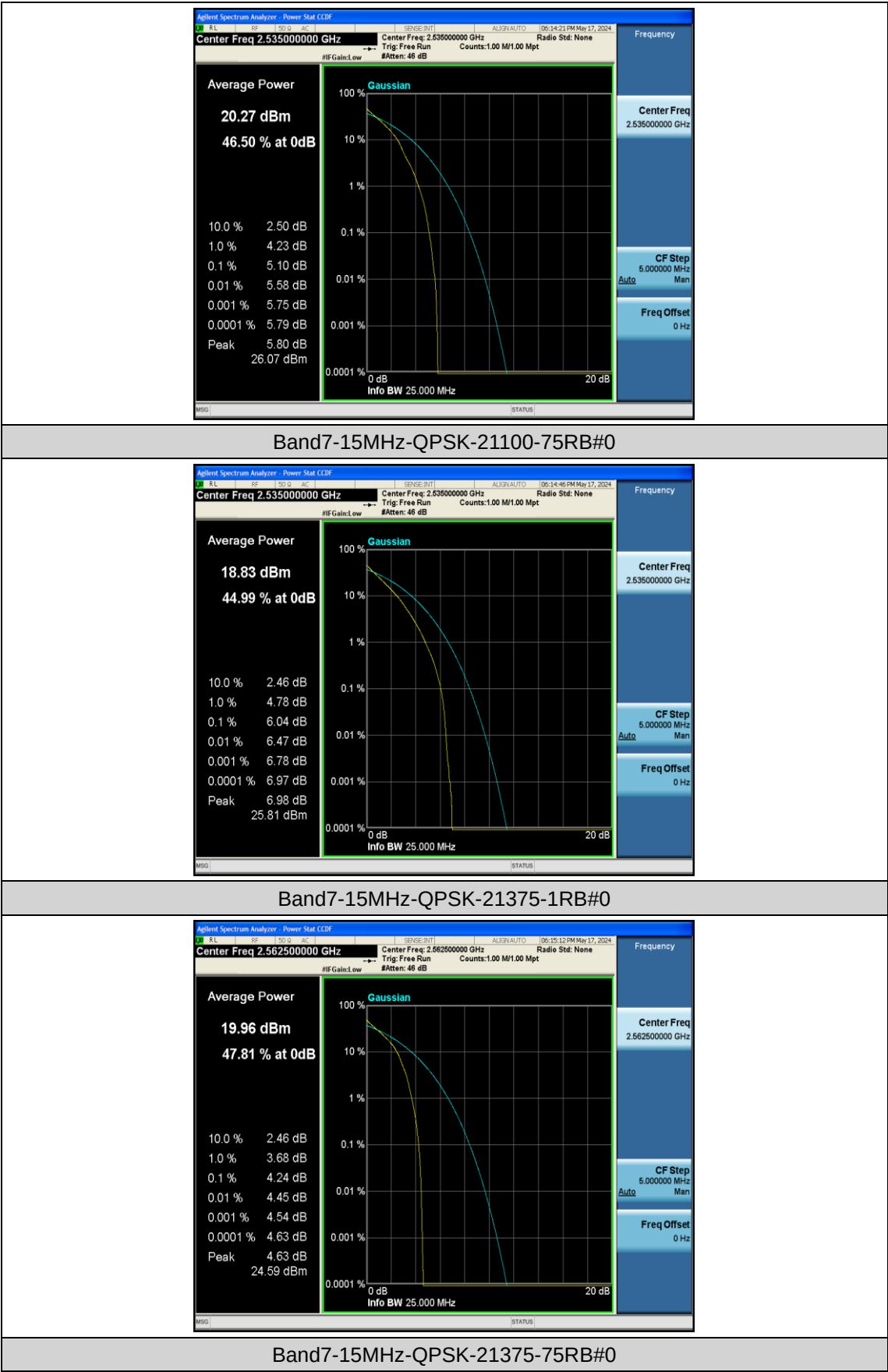
MSG

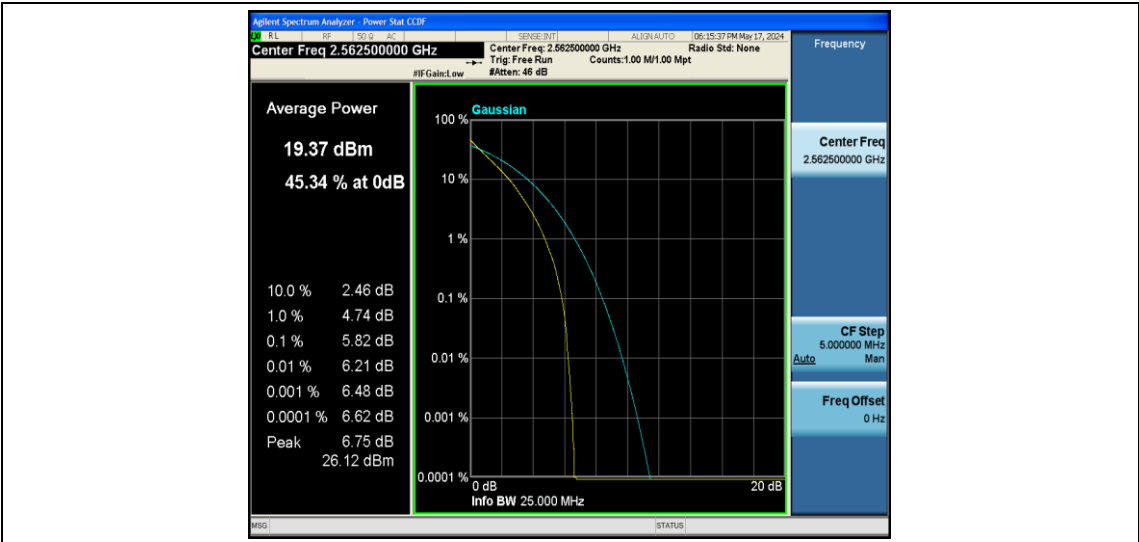
STATUS

Band7-10MHz-16QAM-21100-1RB#0

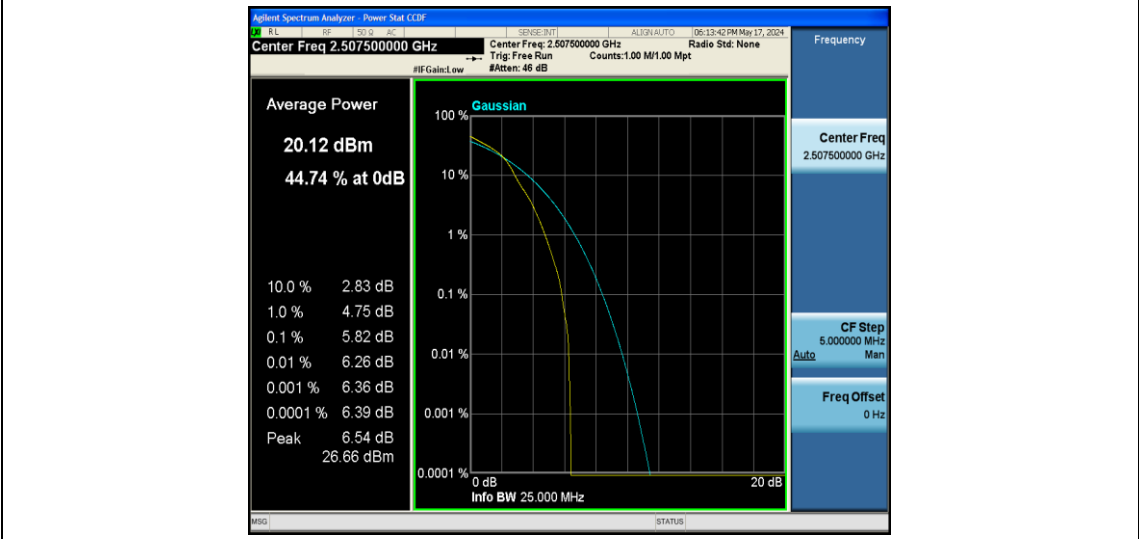




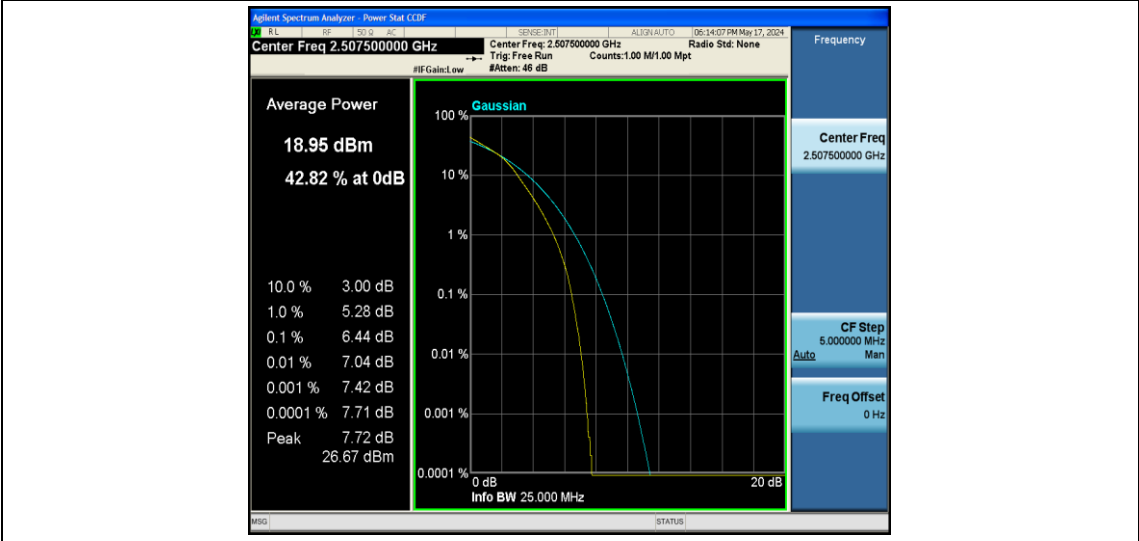




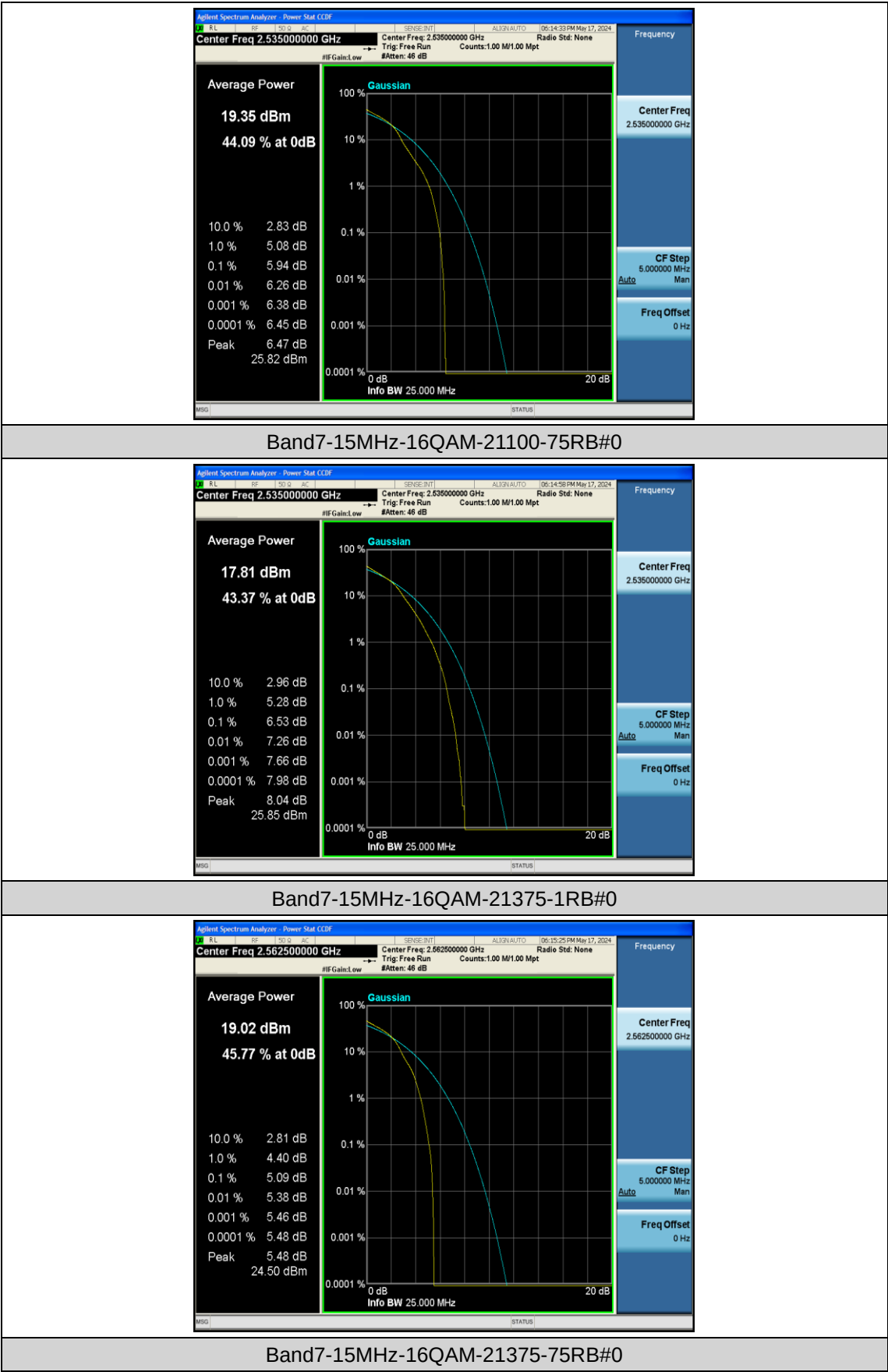
Band7-15MHz-16QAM-20825-1RB#0

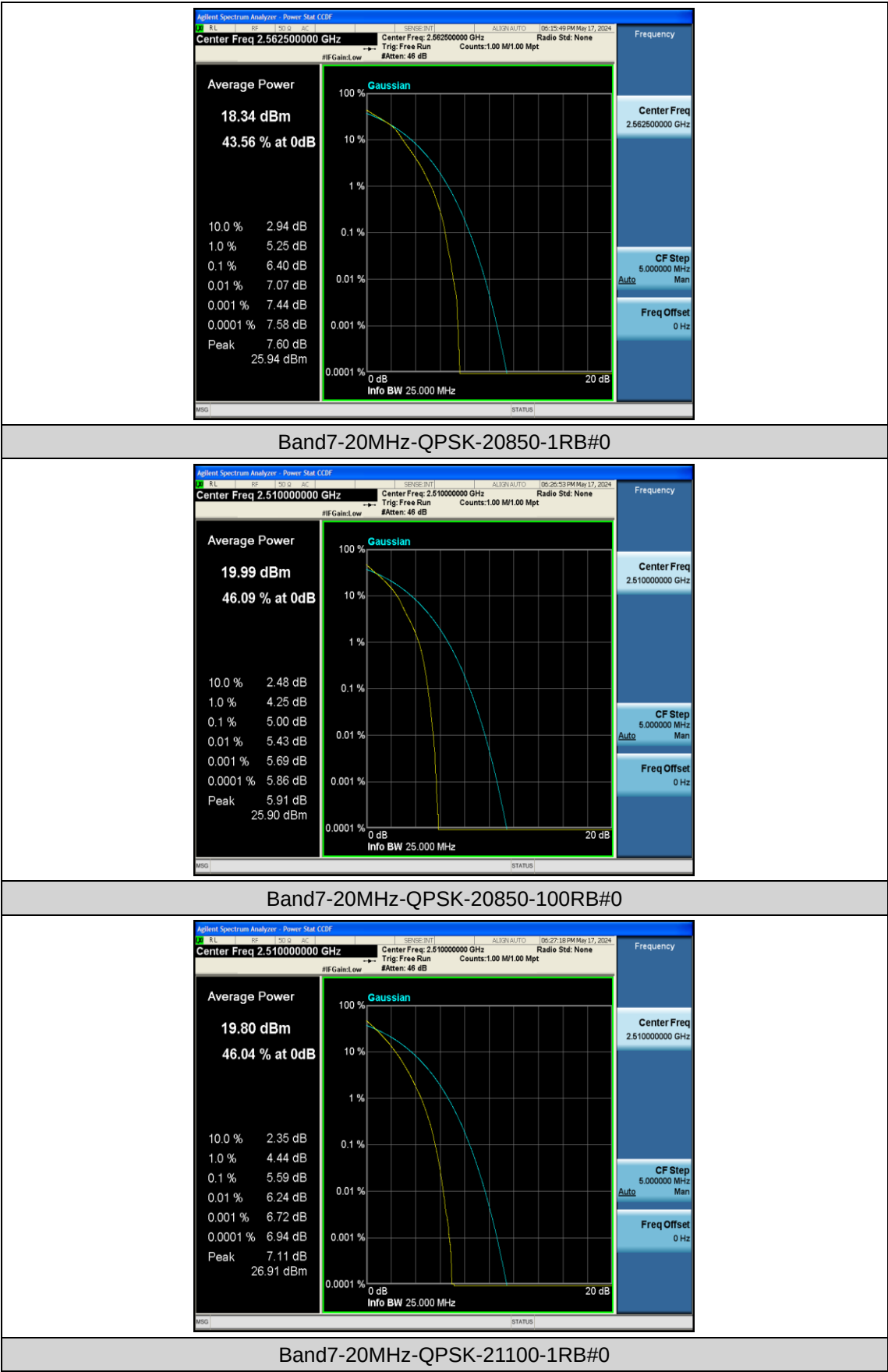


Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21100-1RB#0





Band7-20MHz-QPSK-20850-100RB#0

Agilent Spectrum Analyzer - Power Stat CDF

Center Freq 2.510000000 GHz

Center Freq: 2.510000000 GHz

Radio Std: None

Frequency

Center Freq

2.510000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

19.80 dBm

46.04 % at 0dB

10.0 % 2.35 dB

1.0 % 4.44 dB

0.1 % 5.59 dB

0.01 % 6.24 dB

0.001 % 6.72 dB

0.0001 % 6.94 dB

Peak 7.11 dB

26.91 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

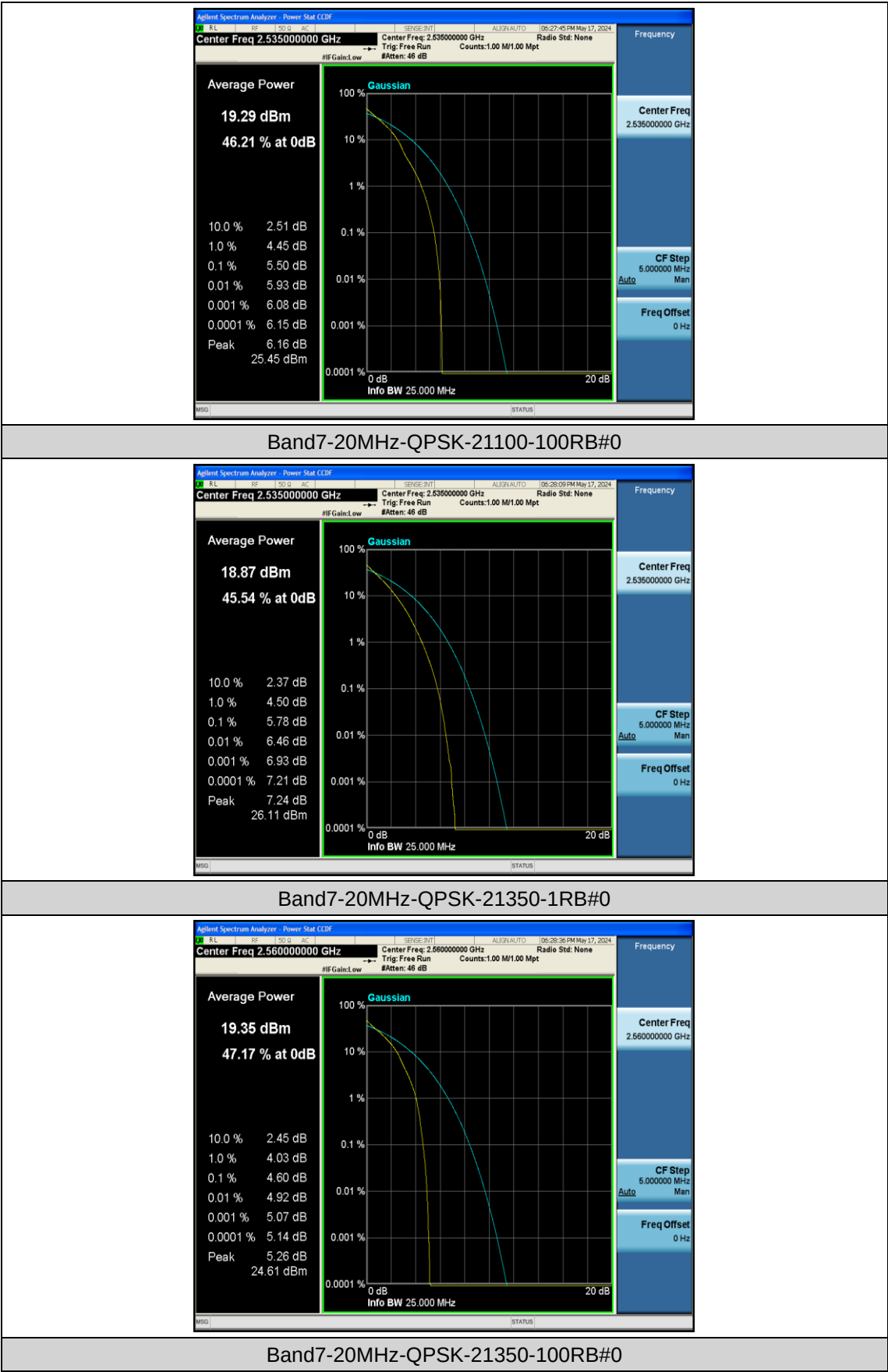
20 dB

Info BW 25.000 MHz

MSG

(STATUS)

Band7-20MHz-QPSK-21100-1RB#0



Agilent Spectrum Analyzer - Power Stat CLDF

Center Freq 2.535000000 GHz

Center Freq: 2.535000000 GHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Frequency

Center Freq

2.535000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

18.87 dBm

45.54 % at 0dB

10.0 % 2.37 dB

1.0 % 4.50 dB

0.1 % 5.78 dB

0.01 % 6.46 dB

0.001 % 6.93 dB

0.0001 % 7.21 dB

Peak 7.24 dB

26.11 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

MSG

(STATUS)

Band7-20MHz-QPSK-21350-1RB#0

Agilent Spectrum Analyzer - Power Stat CLDF

Center Freq 2.560000000 GHz

Center Freq: 2.560000000 GHz

Trig: Free Run

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Frequency

Center Freq

2.560000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

19.35 dBm

47.17 % at 0dB

10.0 % 2.45 dB

1.0 % 4.03 dB

0.1 % 4.60 dB

0.01 % 4.92 dB

0.001 % 5.07 dB

0.0001 % 5.14 dB

Peak 5.26 dB

24.61 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

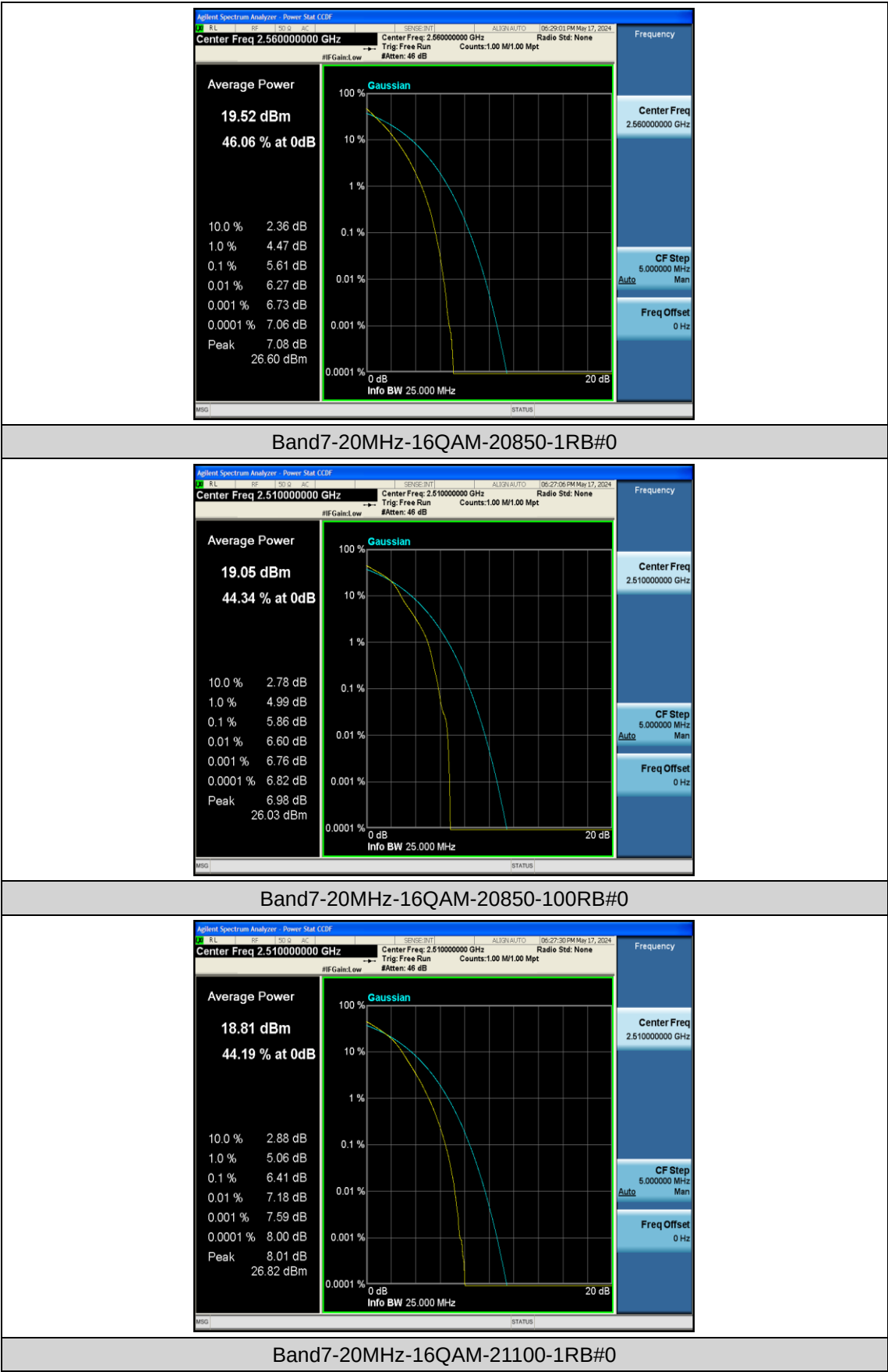
20 dB

Info BW 25.000 MHz

MSG

(STATUS)

Band7-20MHz-QPSK-21350-100RB#0



Agilent Spectrum Analyzer - Power Stat CDF

Center Freq 2.510000000 GHz

Center Freq: 2.510000000 GHz

Radio Std: None

Frequency

Center Freq

2.510000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

19.05 dBm

44.34 % at 0dB

10.0 % 2.78 dB

1.0 % 4.99 dB

0.1 % 5.86 dB

0.01 % 6.60 dB

0.001 % 6.76 dB

0.0001 % 6.82 dB

Peak 6.98 dB

26.03 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

MSG

STATUS

Band7-20MHz-16QAM-20850-100RB#0

Agilent Spectrum Analyzer - Power Stat CDF

Center Freq 2.510000000 GHz

Center Freq: 2.510000000 GHz

Radio Std: None

Frequency

Center Freq

2.510000000 GHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

18.81 dBm

44.19 % at 0dB

10.0 % 2.88 dB

1.0 % 5.06 dB

0.1 % 6.41 dB

0.01 % 7.18 dB

0.001 % 7.59 dB

0.0001 % 8.00 dB

Peak 8.01 dB

26.82 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

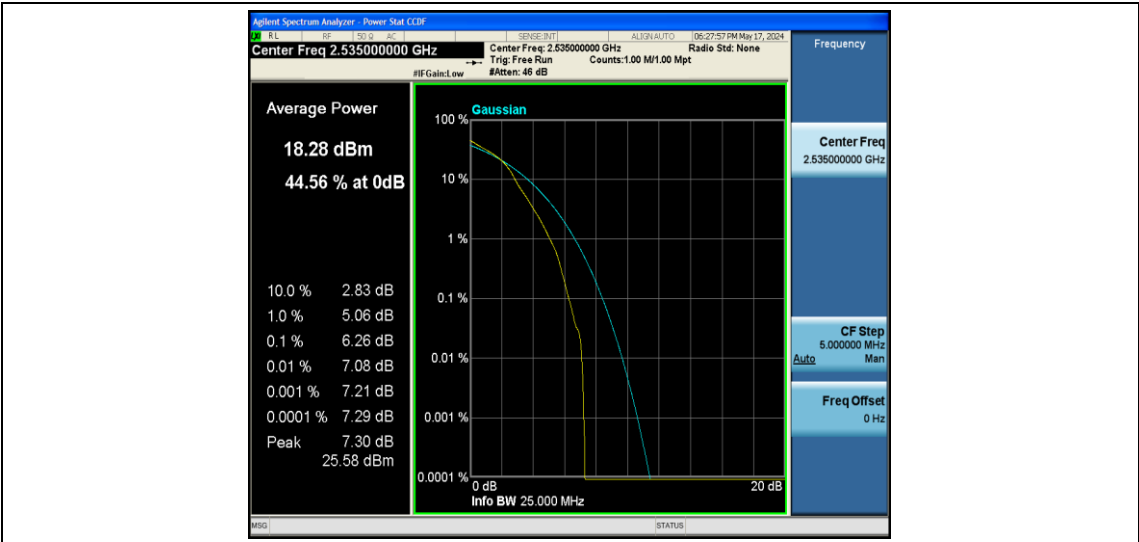
20 dB

Info BW 25.000 MHz

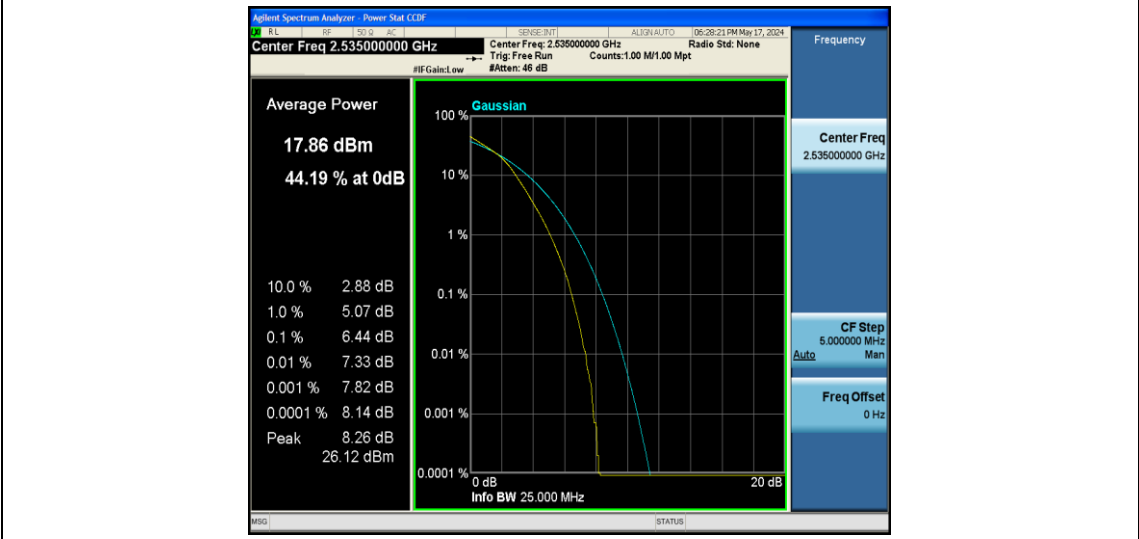
MSG

STATUS

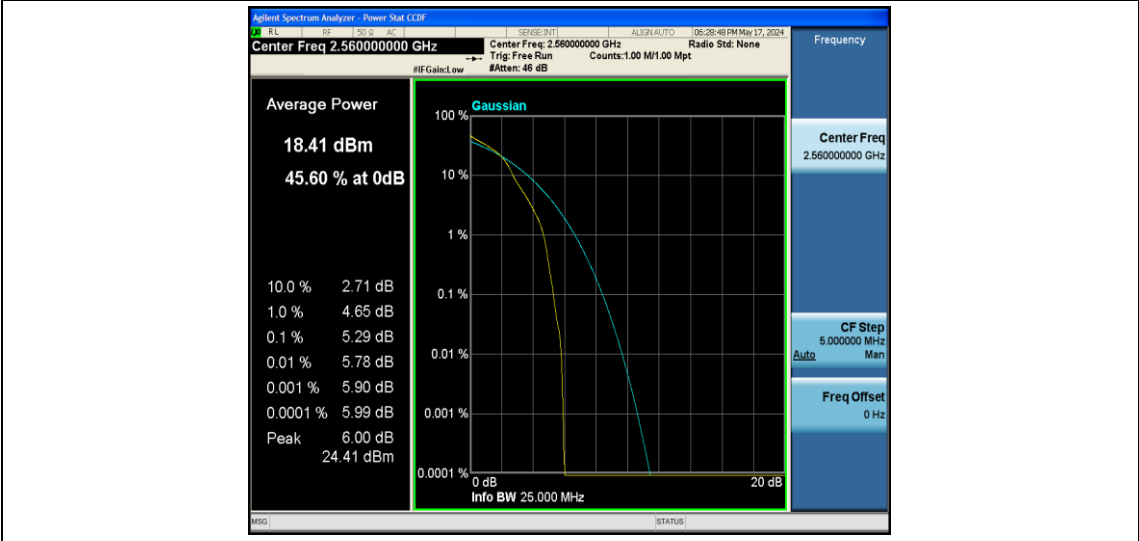
Band7-20MHz-16QAM-21100-1RB#0



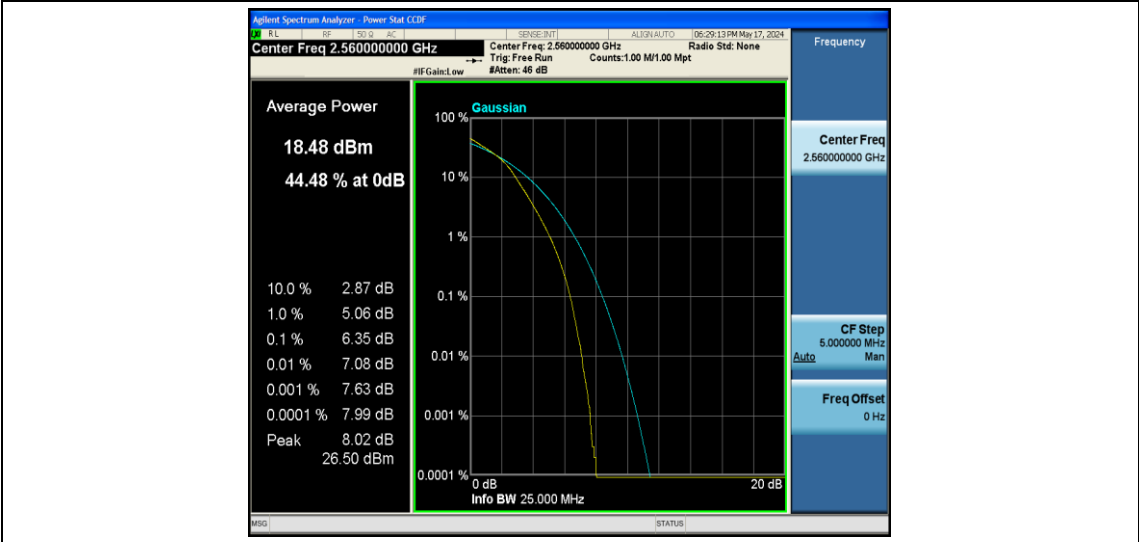
Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0



Band7-20MHz-16QAM-21350-100RB#0

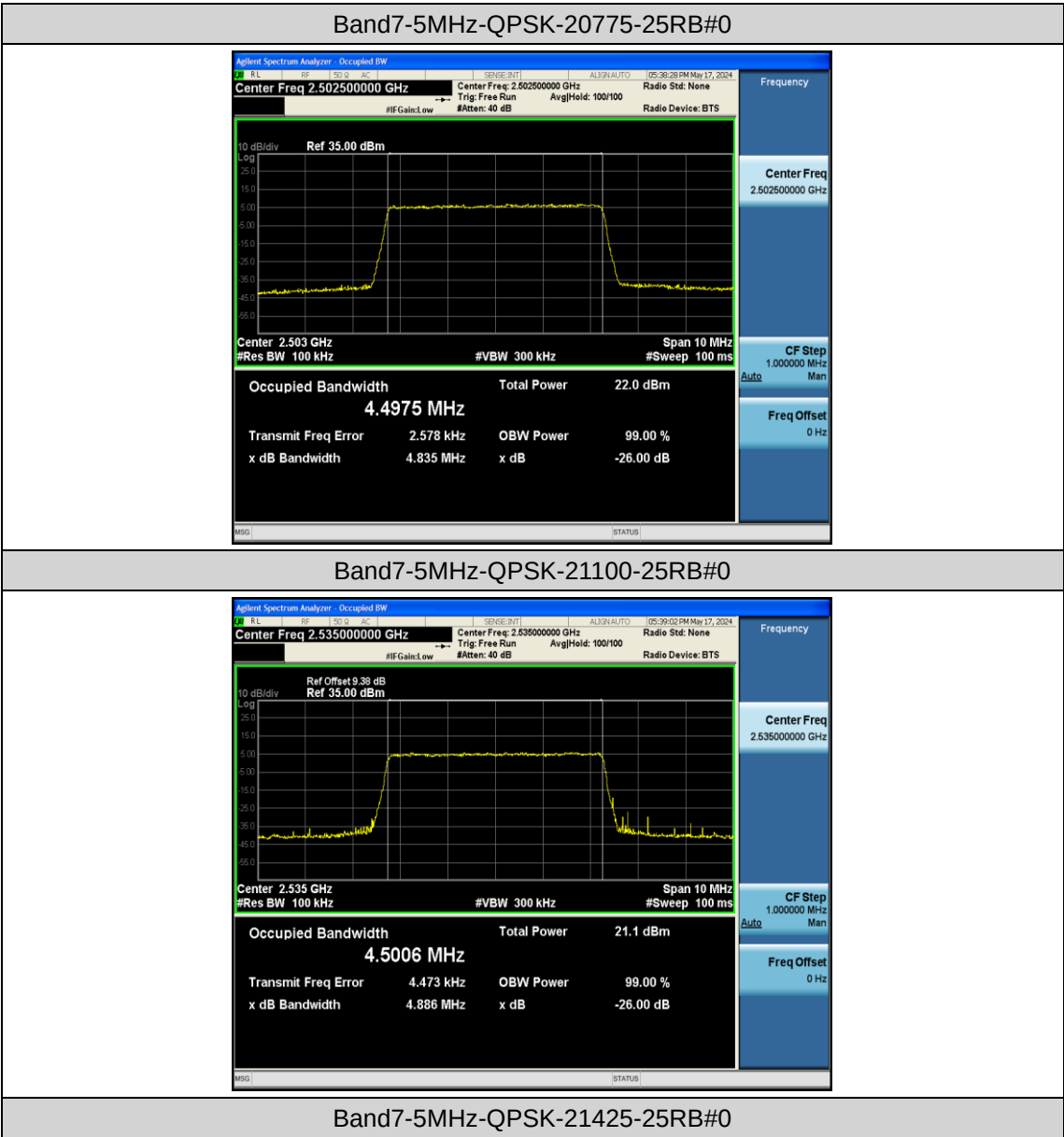


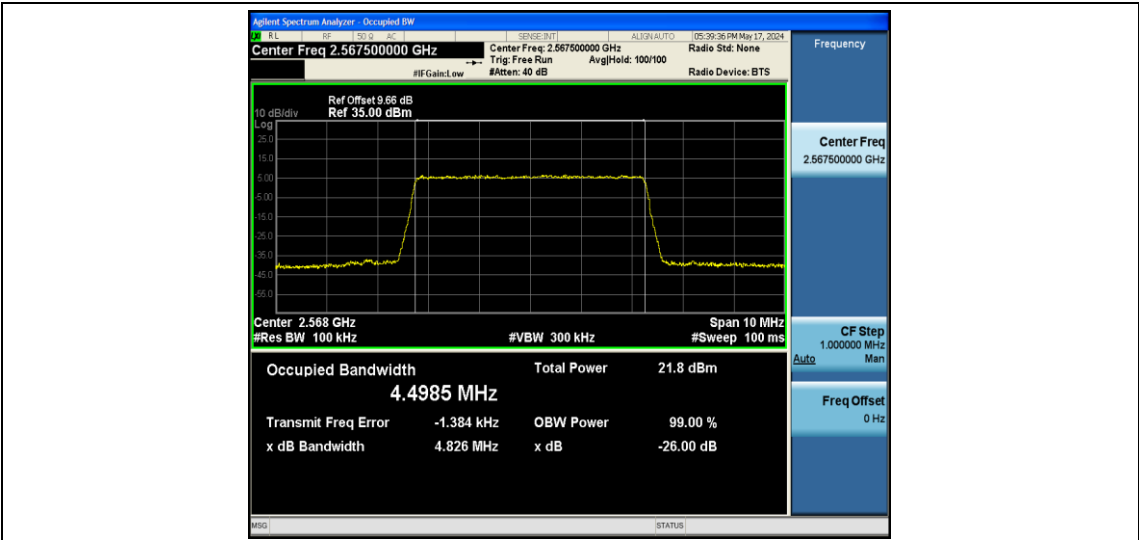
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

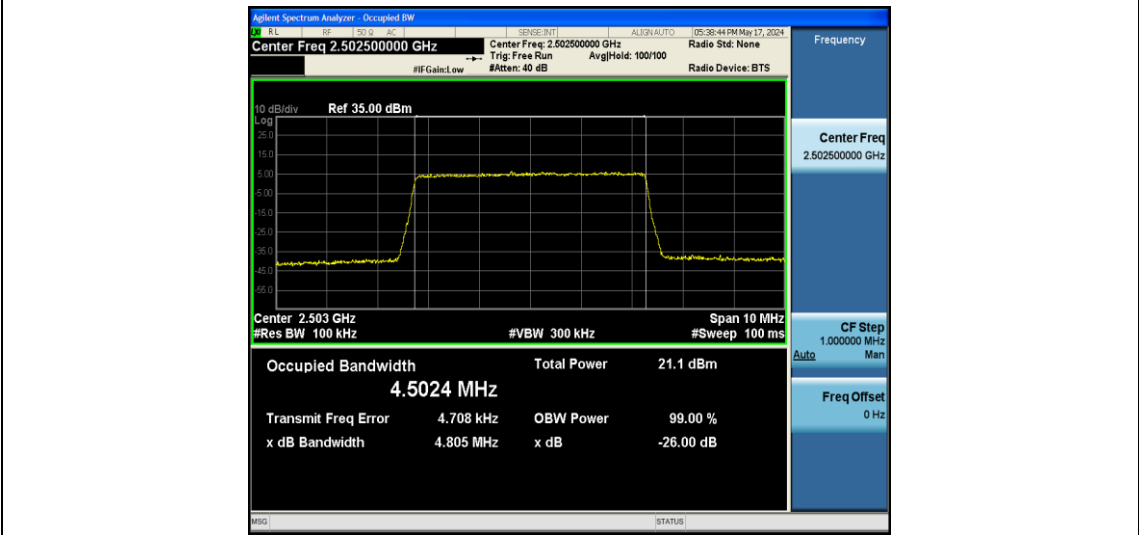
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.4975	4.835	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5006	4.886	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4985	4.826	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5024	4.805	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5040	4.834	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5031	4.796	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9751	9.515	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9843	9.528	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9859	9.549	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9599	9.501	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9857	9.514	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9745	9.517	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.434	14.26	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.474	14.26	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.487	14.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.414	14.23	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.471	14.24	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.469	14.24	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.864	18.91	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.944	18.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.961	18.98	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.859	18.90	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.957	18.96	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.952	18.96	PASS

Test Graphs

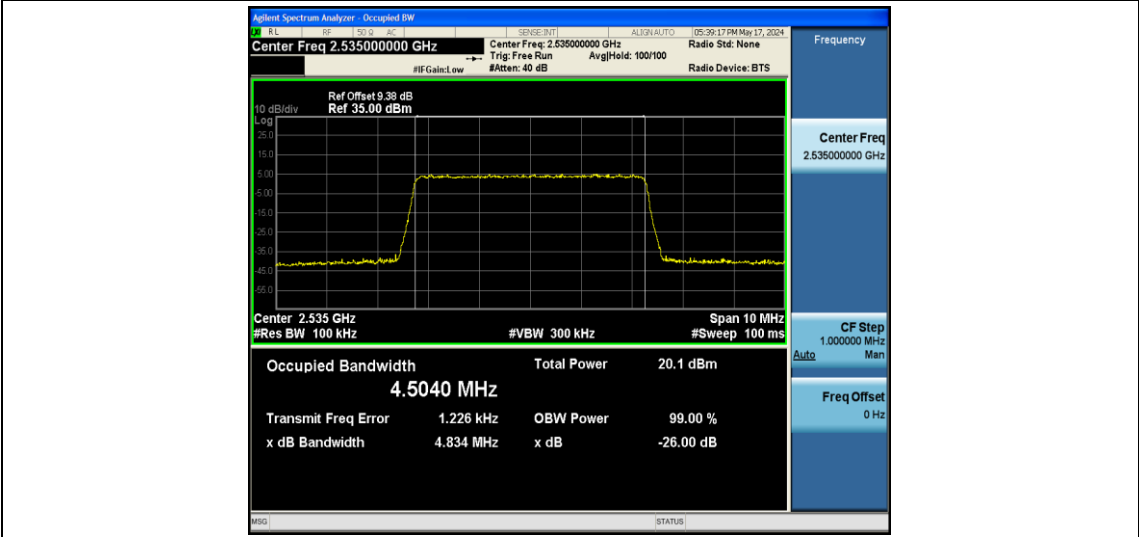




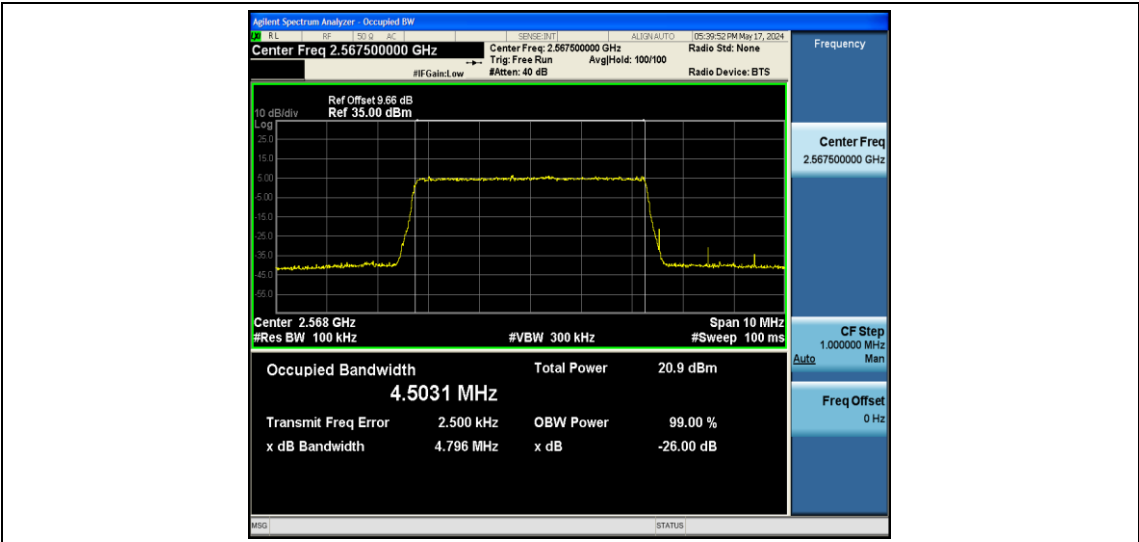
Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-25RB#0



Band7-5MHz-16QAM-21425-25RB#0



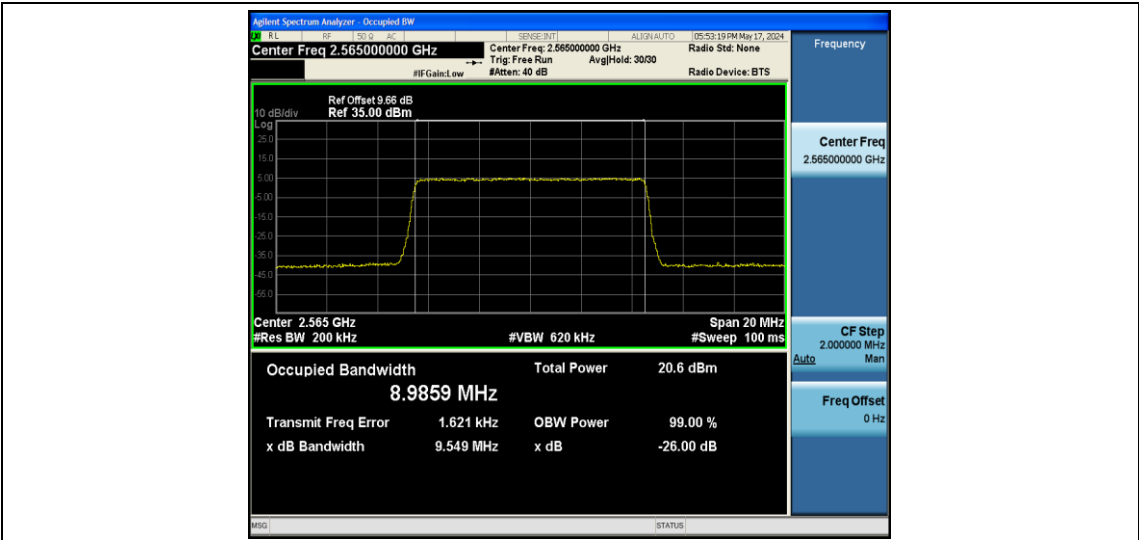
Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



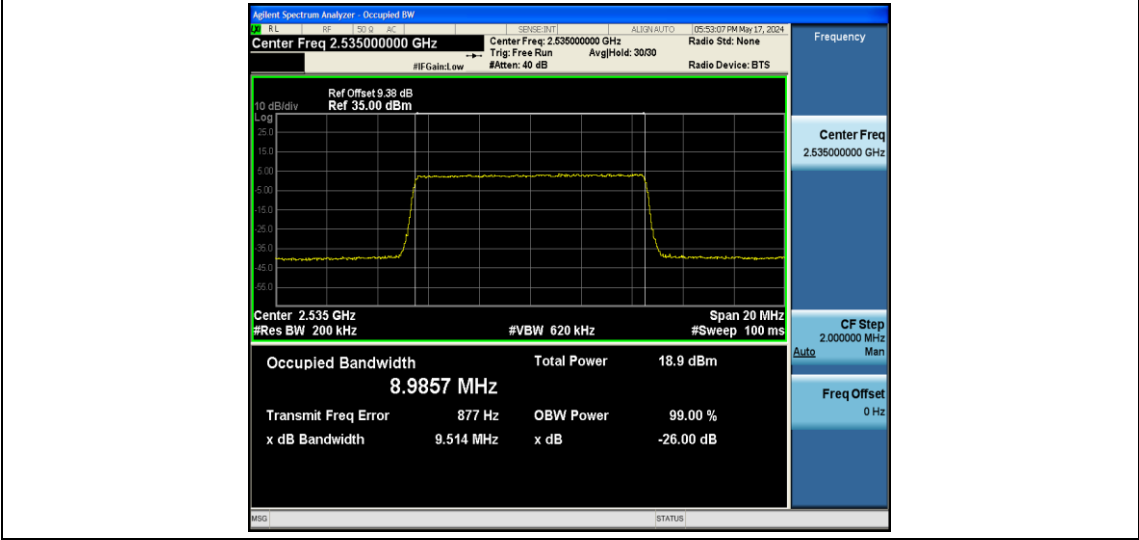
Band7-10MHz-QPSK-21400-50RB#0



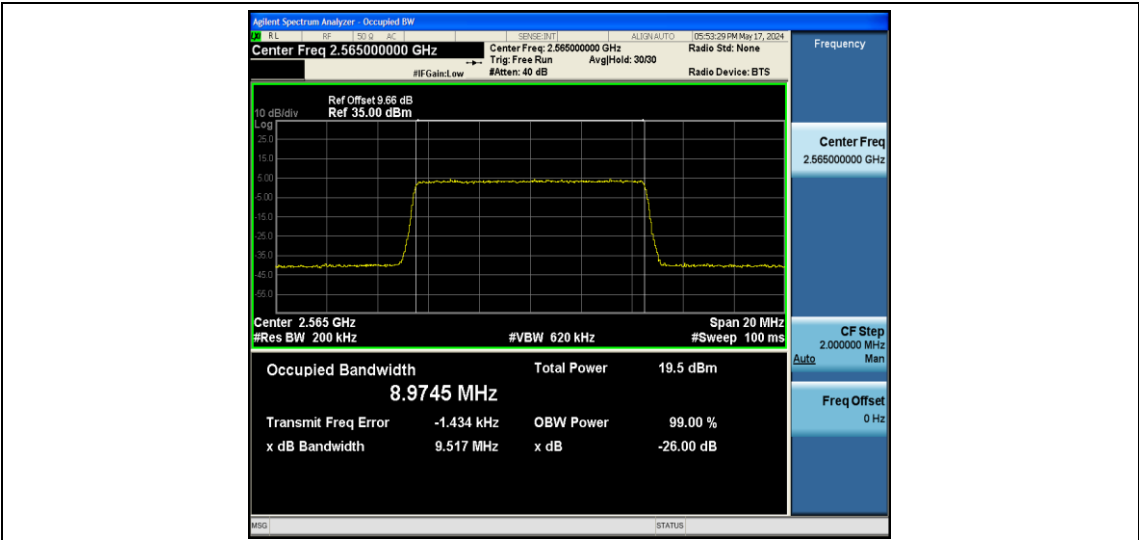
Band7-10MHz-16QAM-20800-50RB#0



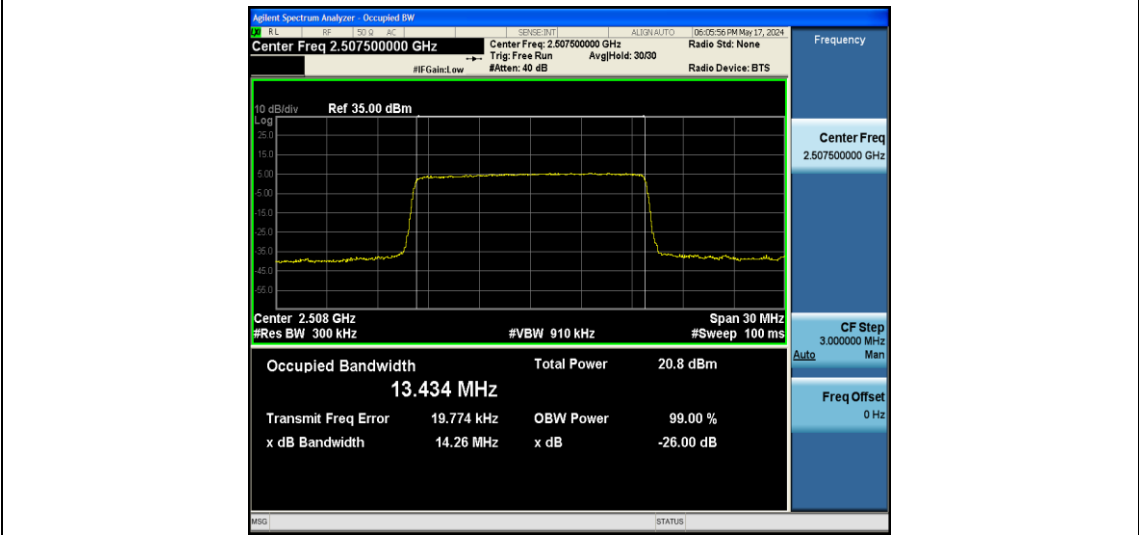
Band7-10MHz-16QAM-21100-50RB#0



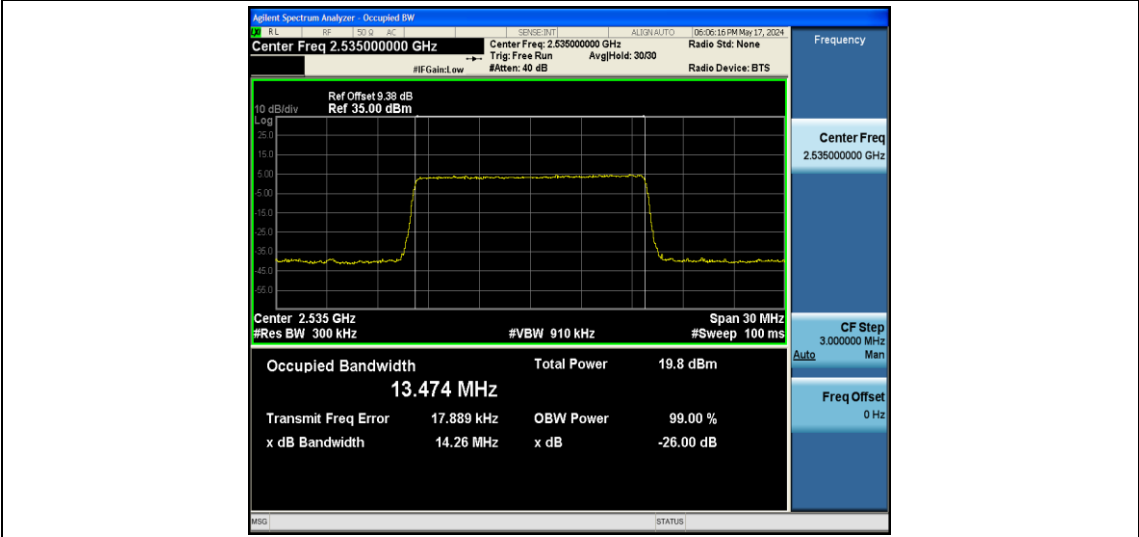
Band7-10MHz-16QAM-21400-50RB#0



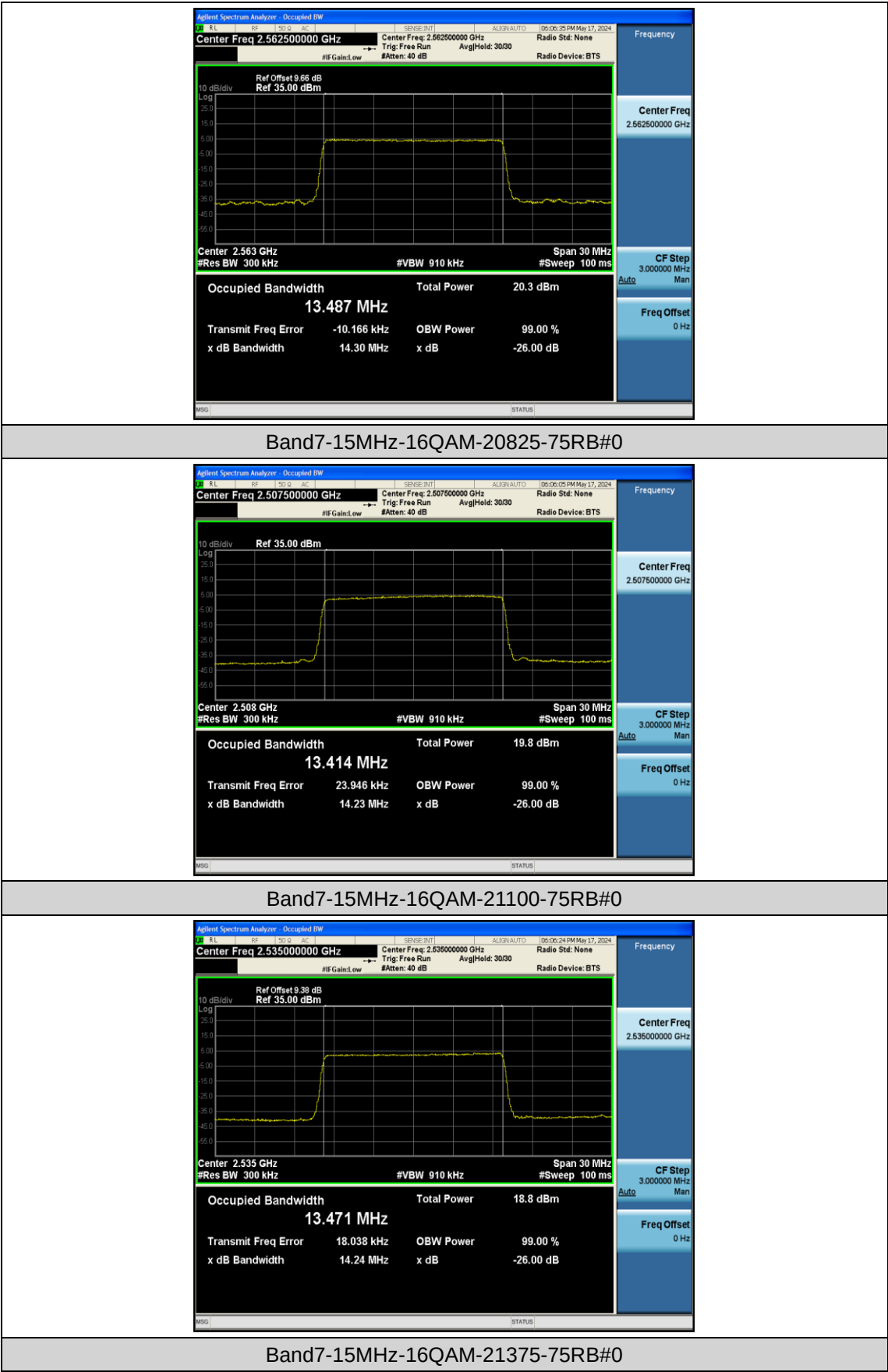
Band7-15MHz-QPSK-20825-75RB#0

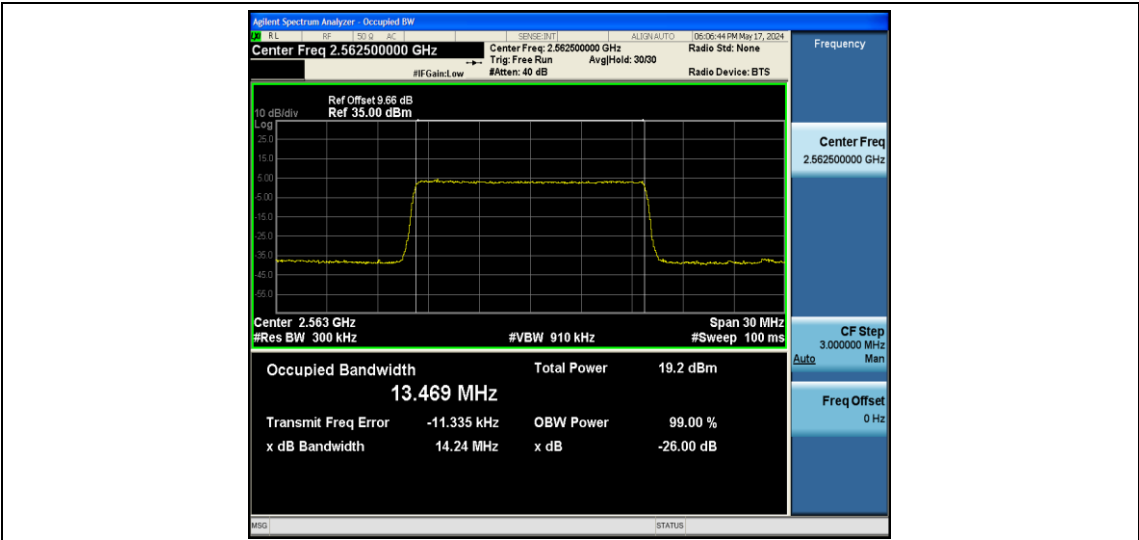


Band7-15MHz-QPSK-21100-75RB#0



Band7-15MHz-QPSK-21375-75RB#0

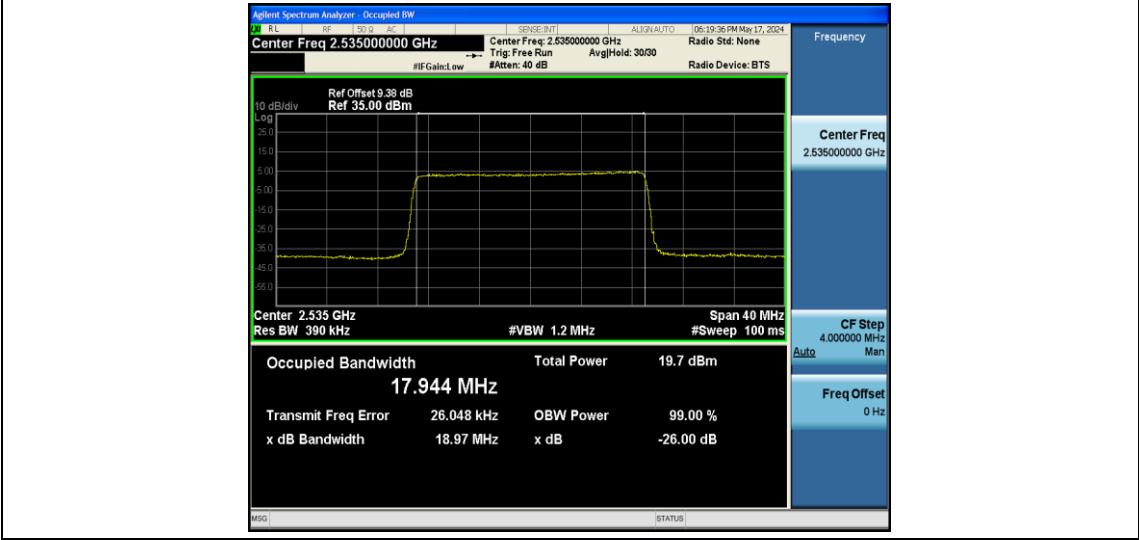




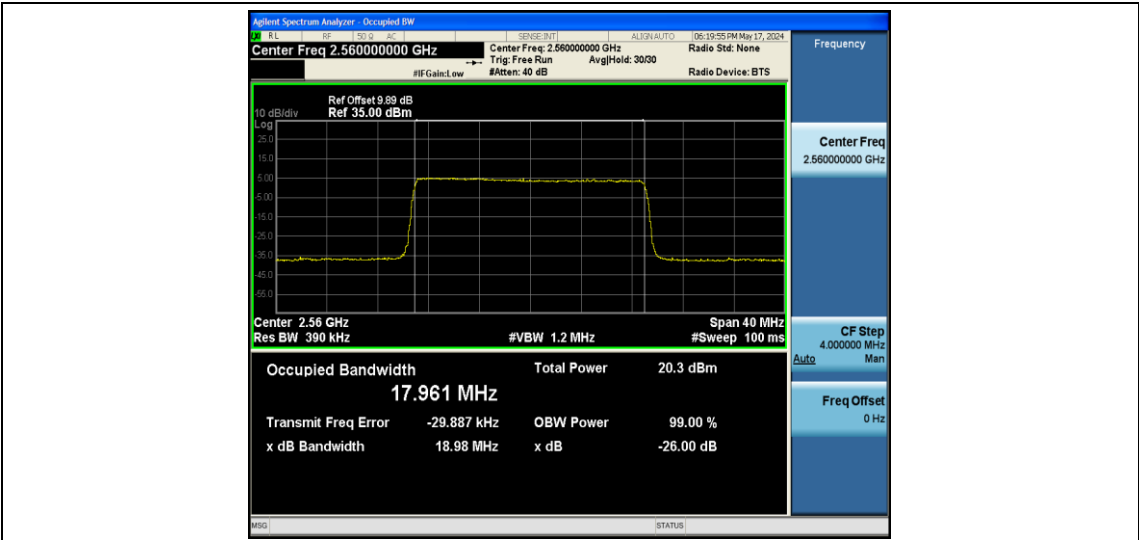
Band7-20MHz-QPSK-20850-100RB#0



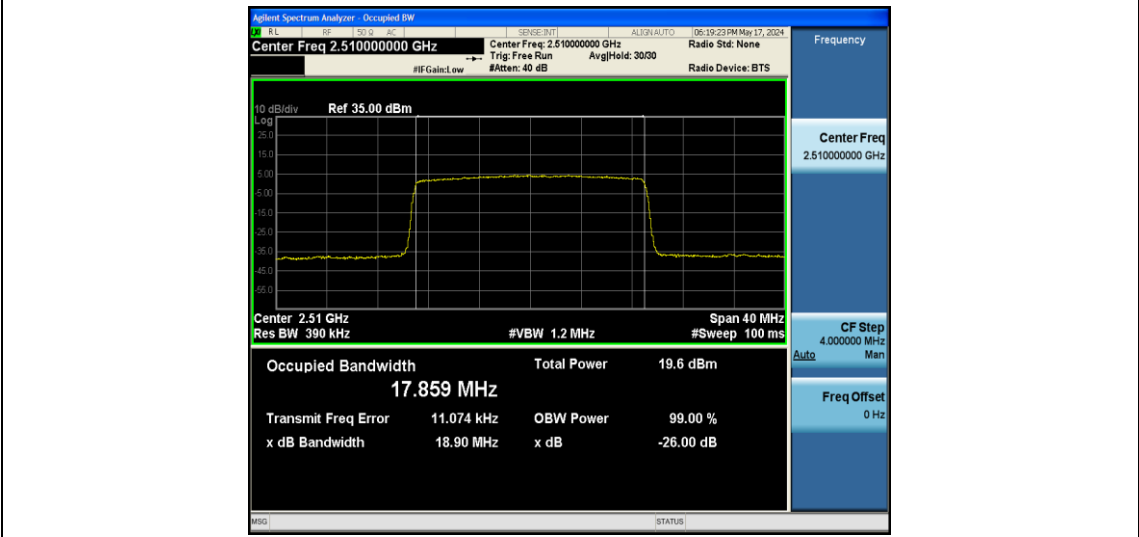
Band7-20MHz-QPSK-21100-100RB#0



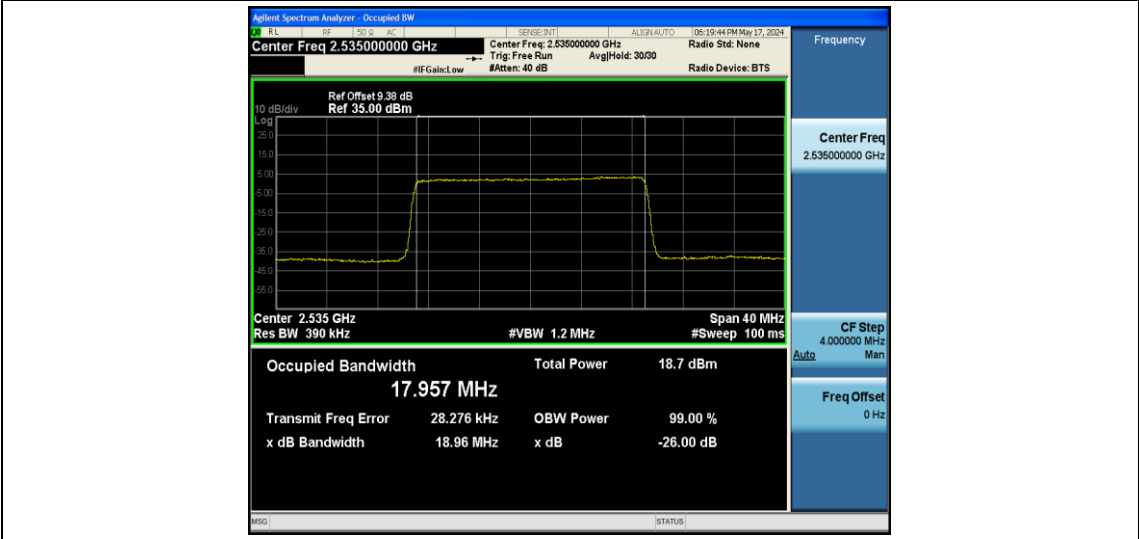
Band7-20MHz-QPSK-21350-100RB#0



Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0

