

Test Data for E-UTRA Band 5

EUT: <u>iMat @Weigh -30 Smart office Vending machine</u>	Test Model: <u>W80-30</u>
Ambient Condition: <u>25 °C, 45 %RH, 101.325 kPa</u>	
Test Engineer: <u>Jack Zhou</u>	

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.34	22.18	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.37	22.21	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.15	21.99	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.14	21.98	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.17	22.01	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.23	22.07	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.25	21.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.76	21.60	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.82	21.66	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.88	21.72	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	23.82	21.66	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	23.79	21.63	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	23.85	21.69	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.78	20.62	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.02	21.86	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.93	21.77	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.92	21.76	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.07	21.91	PASS
Band5	1.4MHz	QPSK	20643	3RB#1	24.05	21.89	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.06	21.90	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.07	20.91	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.44	21.28	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.63	21.47	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.29	21.13	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.04	20.88	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.06	20.90	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	22.99	20.83	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.24	20.08	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.89	20.73	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.22	21.06	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.86	20.70	PASS

Band5	1.4MHz	16QAM	20525	3RB#0	22.69	20.53	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	22.66	20.50	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	22.69	20.53	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.73	19.57	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23.24	21.08	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.19	21.03	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.06	20.90	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	22.99	20.83	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	22.96	20.80	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	23.10	20.94	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.04	19.88	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.65	22.49	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.26	22.10	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.46	22.30	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.67	21.51	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.59	21.43	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.51	21.35	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.57	21.41	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.01	21.85	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.05	21.89	PASS
Band5	3MHz	QPSK	20525	1RB#14	23.96	21.80	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.06	20.90	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.08	20.92	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.10	20.94	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.07	20.91	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.32	22.16	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.36	22.20	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.19	22.03	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.44	21.28	PASS
Band5	3MHz	QPSK	20635	8RB#4	23.50	21.34	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.27	21.11	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.35	21.19	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.42	21.26	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.39	21.23	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.37	21.21	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.57	20.41	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.77	20.61	PASS

Band5	3MHz	16QAM	20415	8RB#7	22.59	20.43	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.71	20.55	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.10	20.94	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.06	20.90	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.27	21.11	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.12	19.96	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.13	19.97	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.15	19.99	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.11	19.95	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.30	21.14	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.55	21.39	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.61	21.45	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.47	20.31	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.48	20.32	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.42	20.26	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.34	20.18	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.57	22.41	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.60	22.44	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.55	22.39	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.60	21.44	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.61	21.45	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.48	21.32	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.52	21.36	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.05	21.89	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.16	22.00	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.05	21.89	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.05	20.89	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.08	20.92	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.04	20.88	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.02	20.86	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.24	22.08	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.49	22.33	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.98	21.82	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.46	21.30	PASS
Band5	5MHz	QPSK	20625	12RB#6	23.35	21.19	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.35	21.19	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.30	21.14	PASS

Band5	5MHz	16QAM	20425	1RB#0	23.28	21.12	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.75	20.59	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.06	20.90	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.65	20.49	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.55	20.39	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.41	20.25	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.56	20.40	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.22	21.06	PASS
Band5	5MHz	16QAM	20525	1RB#12	22.92	20.76	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.05	20.89	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.09	19.93	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.18	20.02	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.13	19.97	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.04	19.88	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.34	21.18	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.55	21.39	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.39	21.23	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.34	20.18	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.27	20.11	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.33	20.17	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.41	20.25	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.38	22.22	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.73	22.57	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.81	21.65	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.60	21.44	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.58	21.42	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.25	21.09	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.34	21.18	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.70	21.54	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.26	22.10	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.06	21.90	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.17	21.01	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.10	20.94	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.14	20.98	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.07	20.91	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.12	21.96	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.67	22.51	PASS

Band5	10MHz	QPSK	20600	1RB#49	23.96	21.80	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.29	21.13	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.21	21.05	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.27	21.11	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.27	21.11	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.50	21.34	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.72	21.56	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.06	20.90	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.60	20.44	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.48	20.32	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.19	20.03	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.32	20.16	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.04	20.88	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.93	21.77	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.16	21.00	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.03	19.87	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.04	19.88	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.30	20.14	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.97	19.81	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.53	21.37	PASS
Band5	10MHz	16QAM	20600	1RB#24	24.22	22.06	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.96	20.80	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.17	20.01	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.27	20.11	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.44	20.28	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.40	20.24	PASS

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

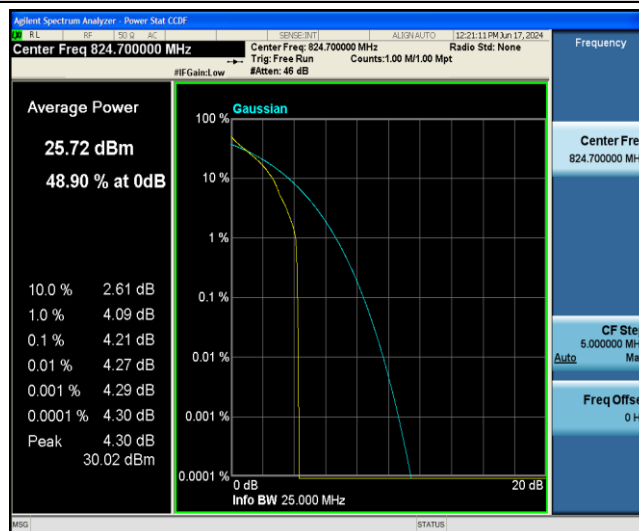
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.21	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.01	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.18	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.93	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.66	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.45	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.23	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.89	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.15	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.80	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.46	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.30	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.25	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.92	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.22	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.01	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.42	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.38	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.26	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.79	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.09	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.90	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.47	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.29	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.29	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.98	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.29	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.05	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.64	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.52	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.31	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.22	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.85	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.67	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.31	13	PASS

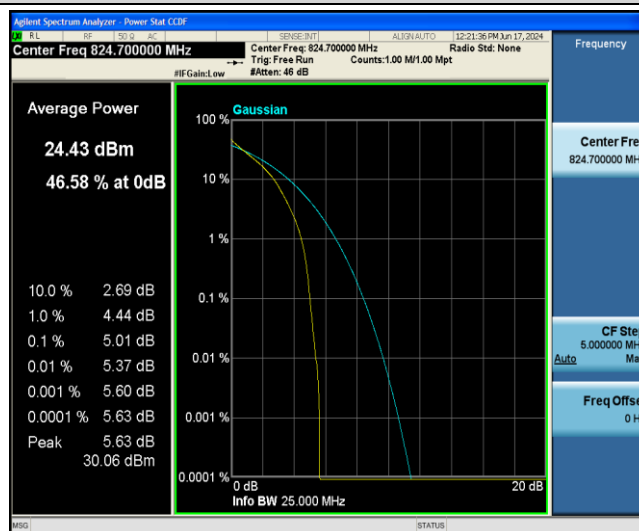
Band5	10MHz	QPSK	20450	1RB#0	4.27	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.00	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.28	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.01	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.24	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.76	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.14	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.84	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.13	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.87	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.05	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.60	13	PASS

Test Graphs

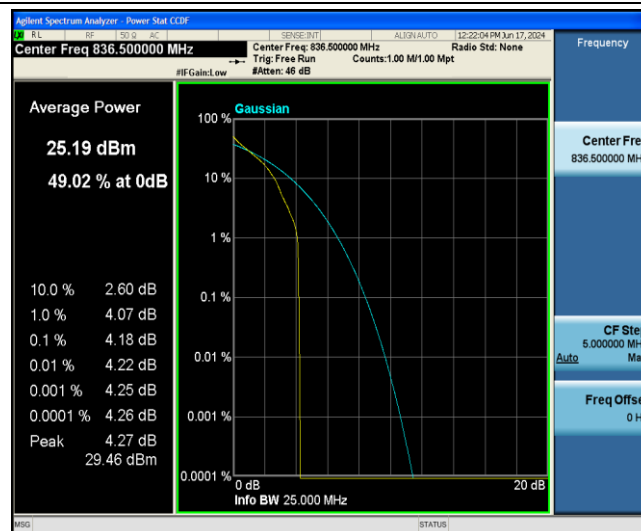
Band5-1.4MHz-QPSK-20407-1RB#0



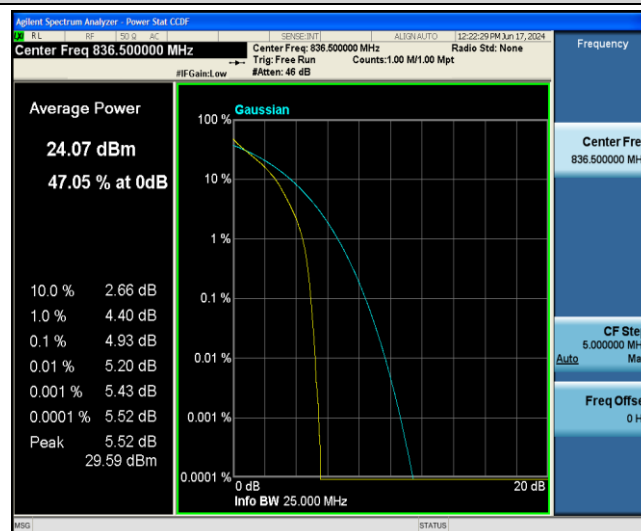
Band5-1.4MHz-QPSK-20407-6RB#0



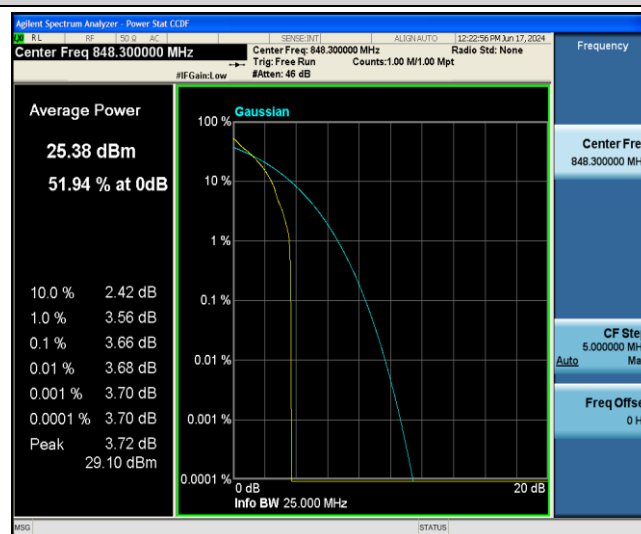
Band5-1.4MHz-QPSK-20525-1RB#0



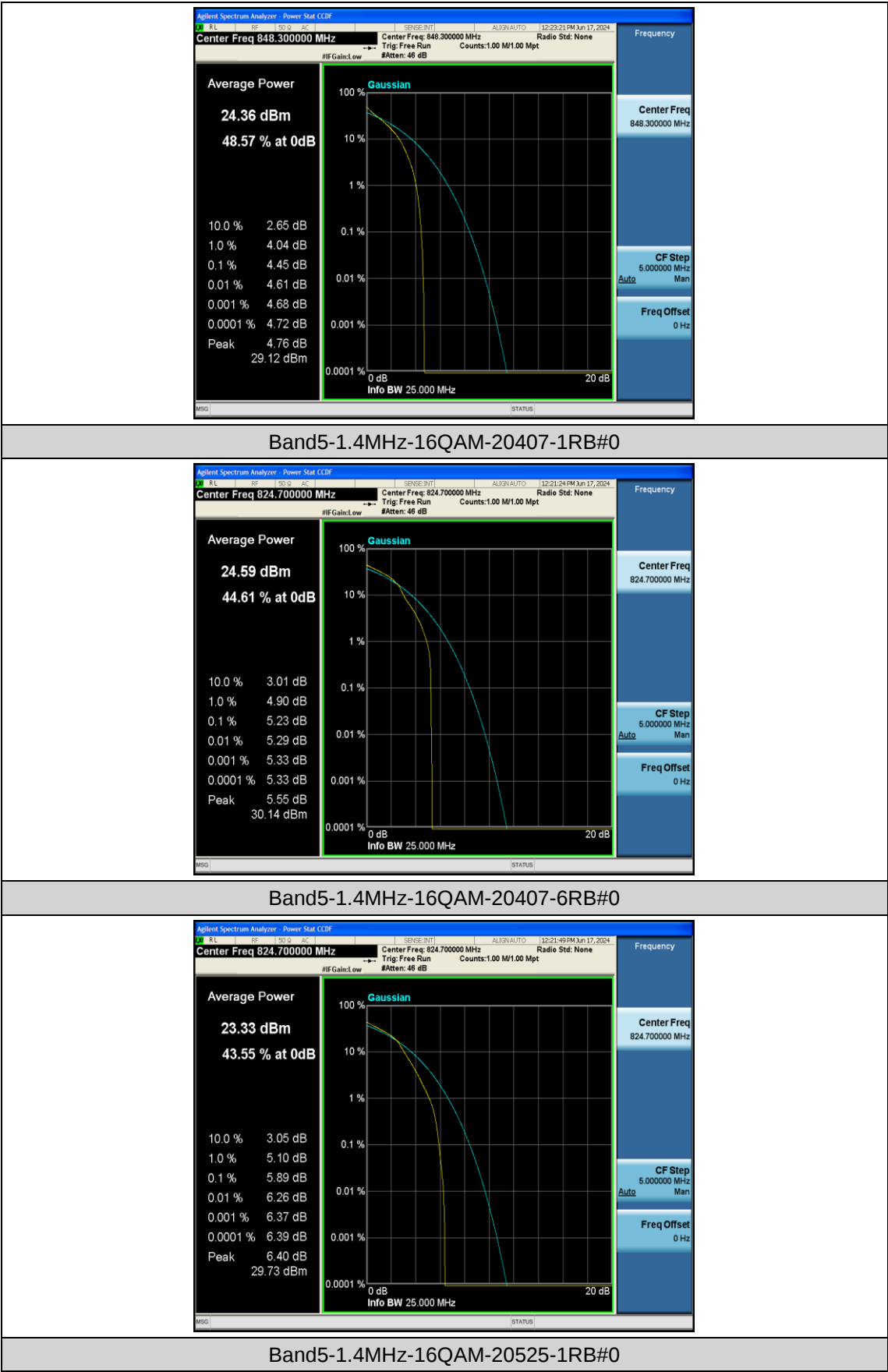
Band5-1.4MHz-QPSK-20525-6RB#0



Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0

Agilent Spectrum Analyzer - Power Stat CDF

Center Freq 824.700000 MHz

Center Freq: 824.700000 MHz

Trig: Free Run

#Atten: 46 dB

Counts: 1.00 M/1.00 Mpt

Radio Std: None

Frequency

Center Freq

824.700000 MHz

CF Step

5.000000 MHz

Auto

Man

Freq Offset

0 Hz

Average Power

23.33 dBm

43.55 % at 0dB

10.0 % 3.05 dB

1.0 % 5.10 dB

0.1 % 5.89 dB

0.01 % 6.26 dB

0.001 % 6.37 dB

0.0001 % 6.39 dB

Peak 6.40 dB

29.73 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

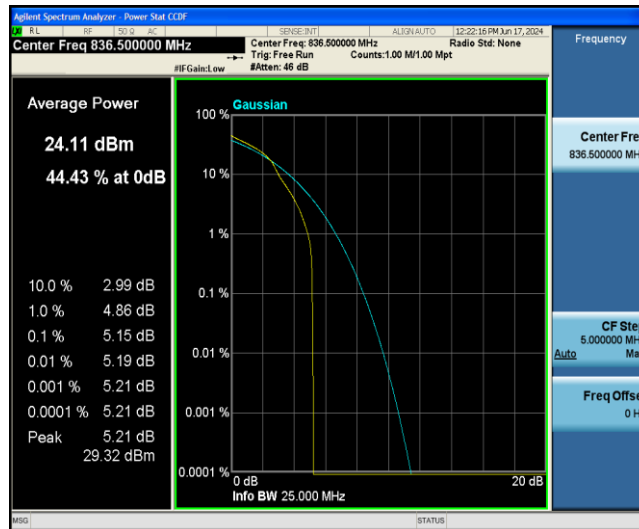
20 dB

Info BW 25.000 MHz

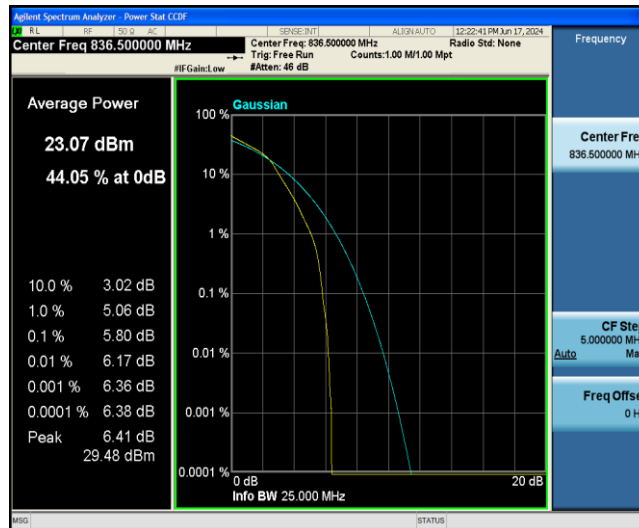
MSG

STATUS

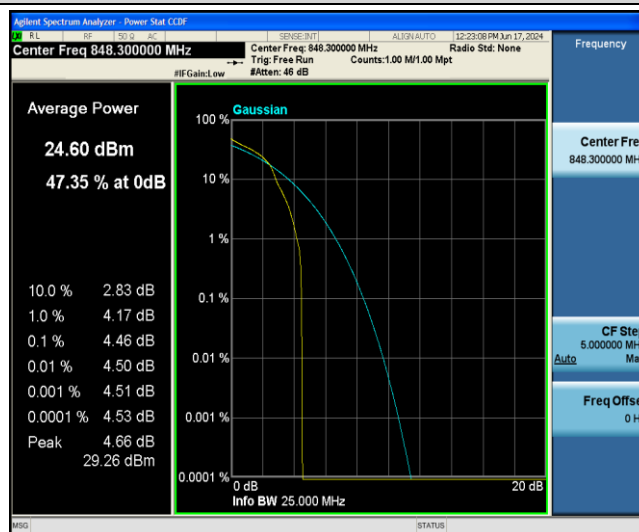
Band5-1.4MHz-16QAM-20525-1RB#0



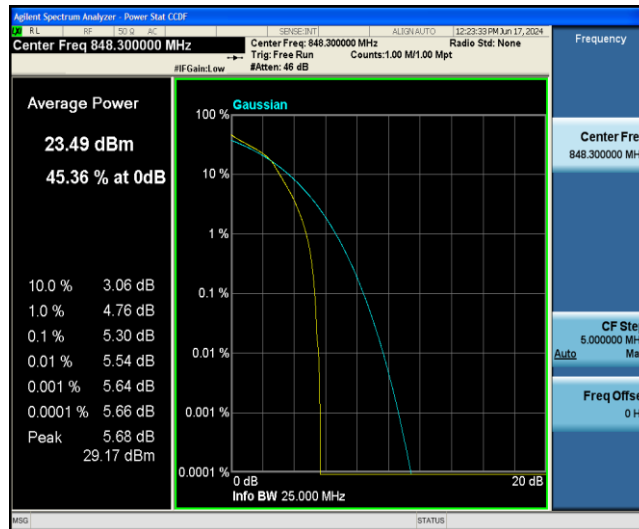
Band5-1.4MHz-16QAM-20525-6RB#0



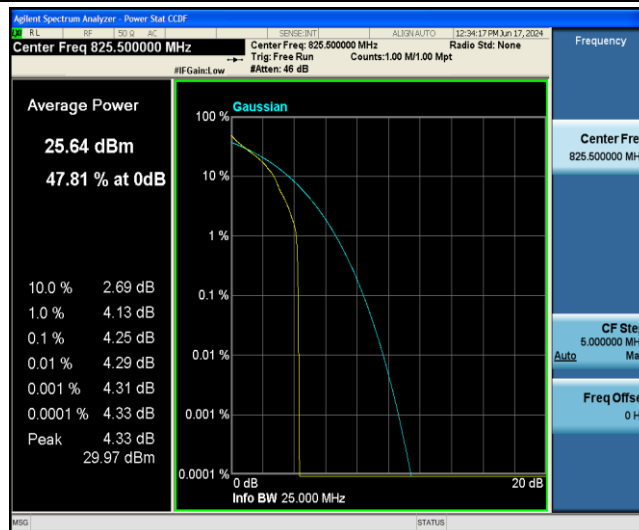
Band5-1.4MHz-16QAM-20643-1RB#0



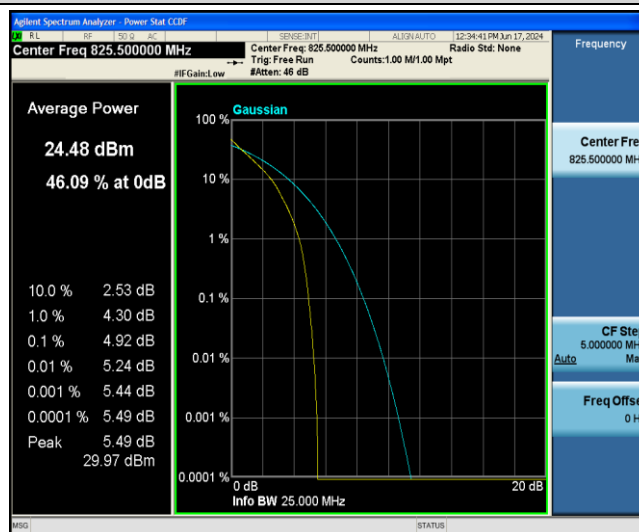
Band5-1.4MHz-16QAM-20643-6RB#0



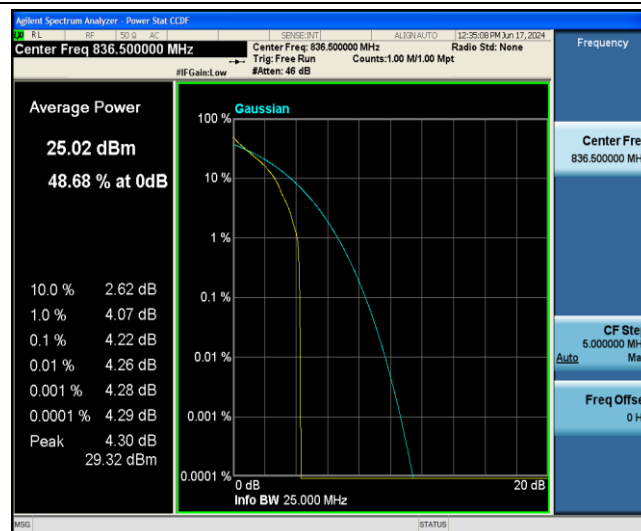
Band5-3MHz-QPSK-20415-1RB#0



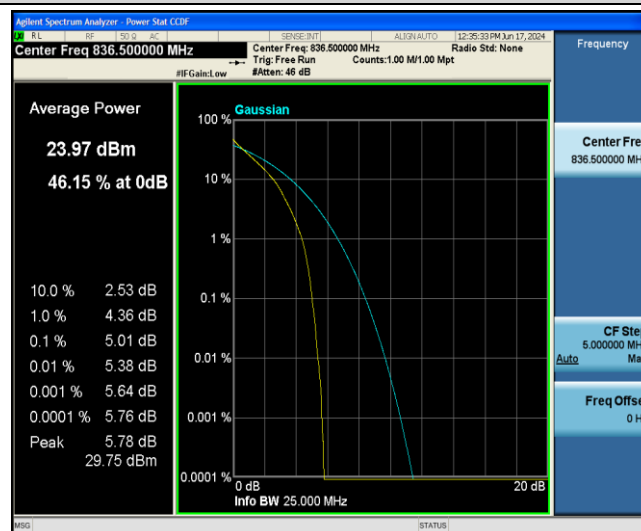
Band5-3MHz-QPSK-20415-15RB#0



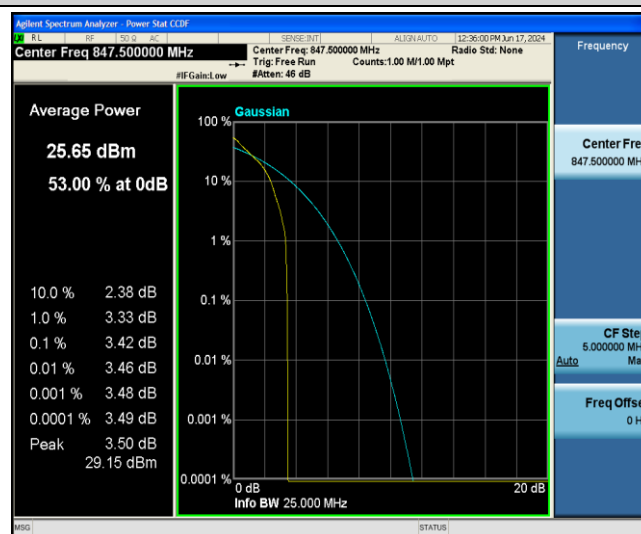
Band5-3MHz-QPSK-20525-1RB#0



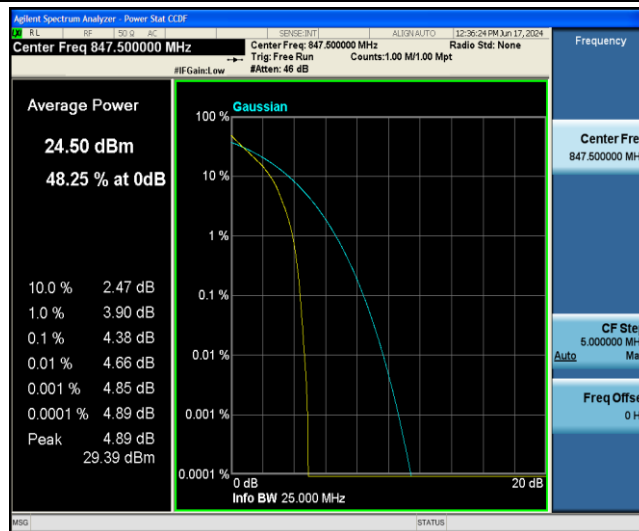
Band5-3MHz-QPSK-20525-15RB#0



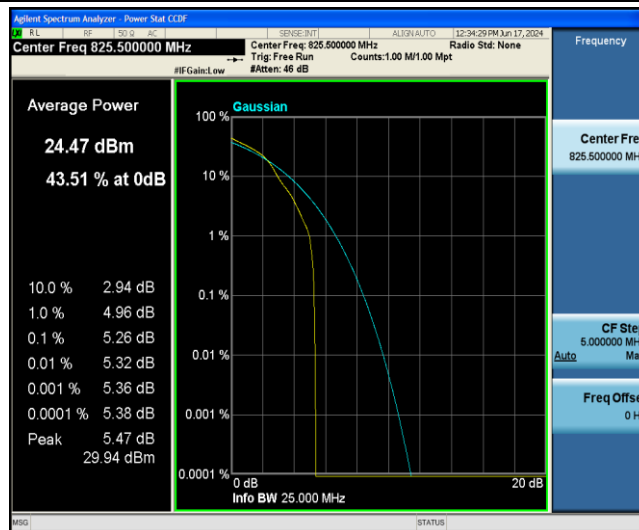
Band5-3MHz-QPSK-20635-1RB#0



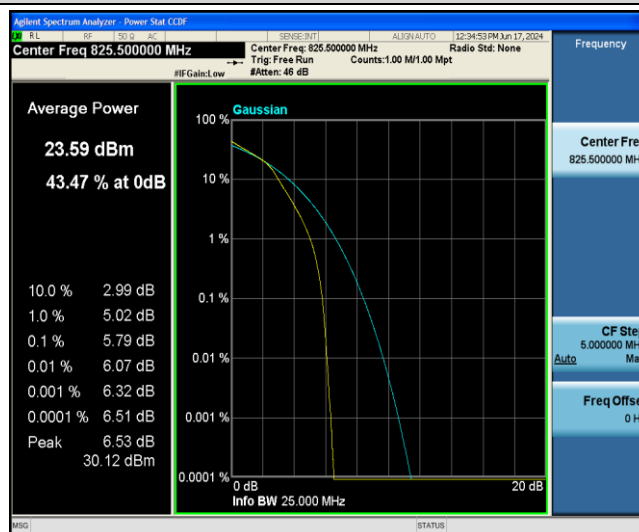
Band5-3MHz-QPSK-20635-15RB#0



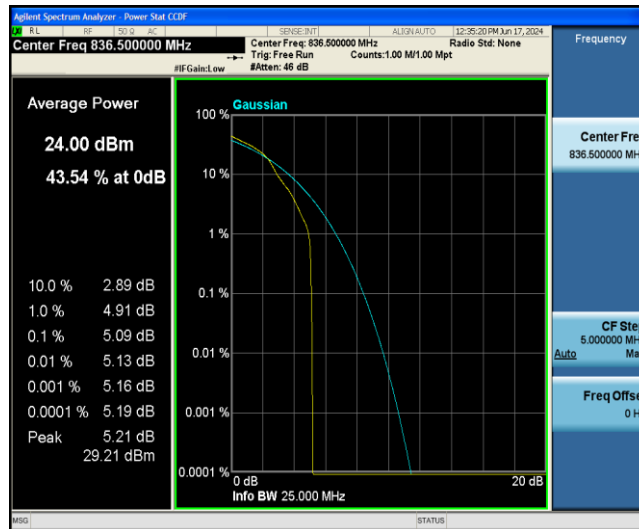
Band5-3MHz-16QAM-20415-1RB#0



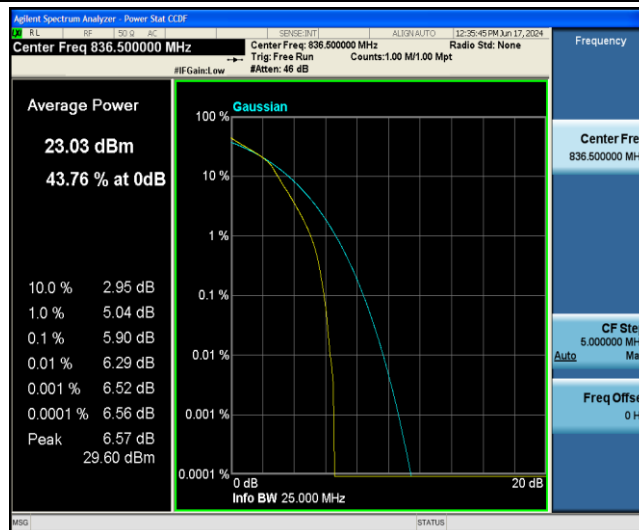
Band5-3MHz-16QAM-20415-15RB#0



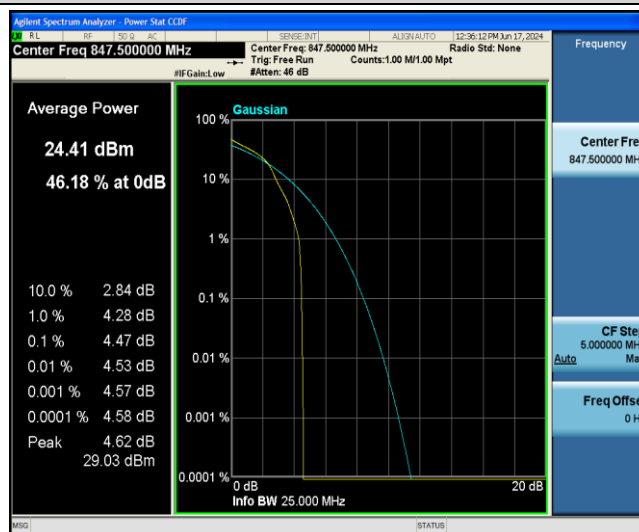
Band5-3MHz-16QAM-20525-1RB#0



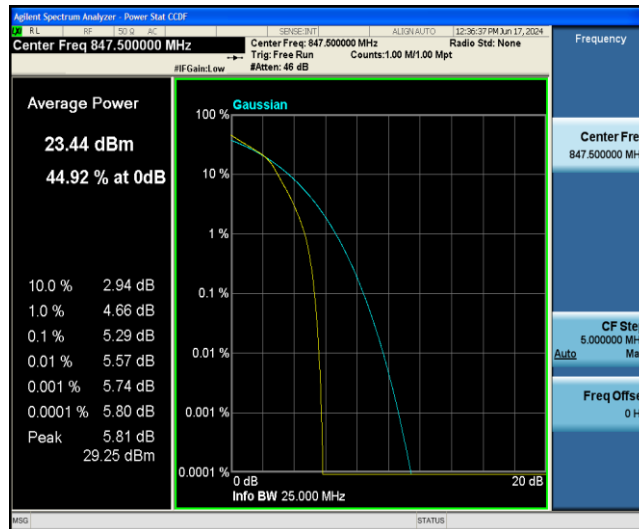
Band5-3MHz-16QAM-20525-15RB#0



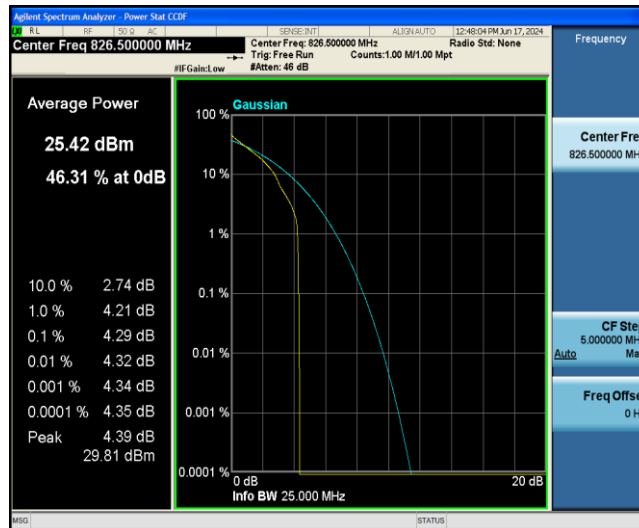
Band5-3MHz-16QAM-20635-1RB#0



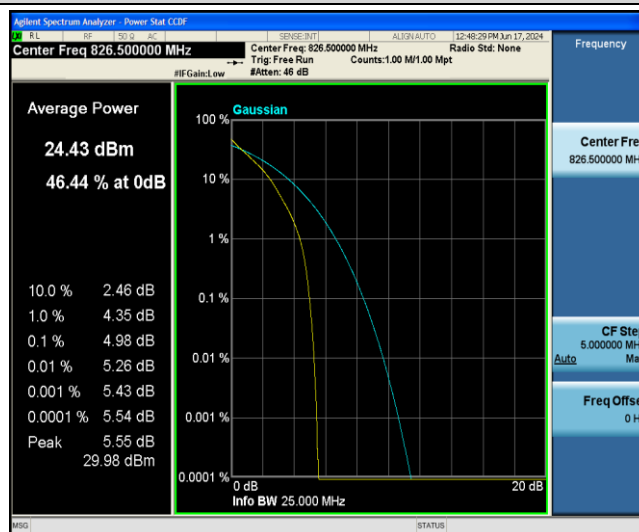
Band5-3MHz-16QAM-20635-15RB#0



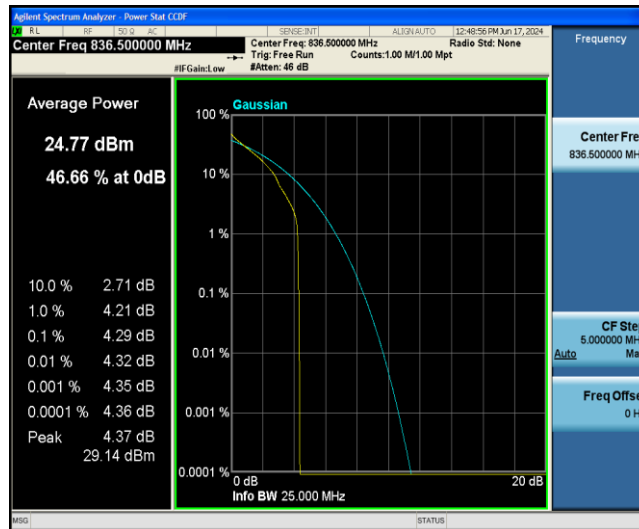
Band5-5MHz-QPSK-20425-1RB#0



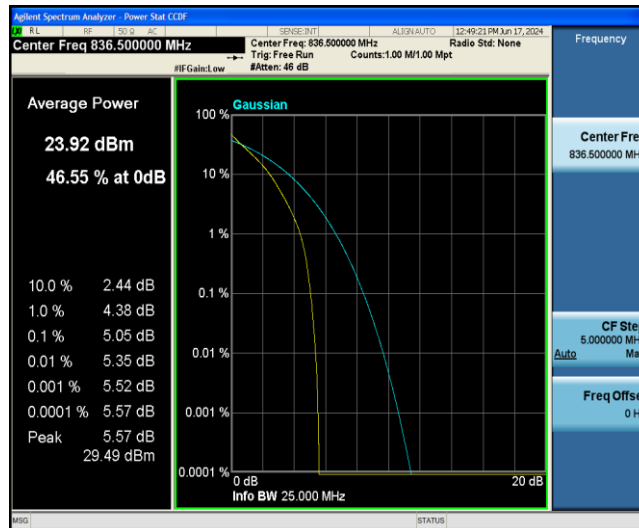
Band5-5MHz-QPSK-20425-25RB#0



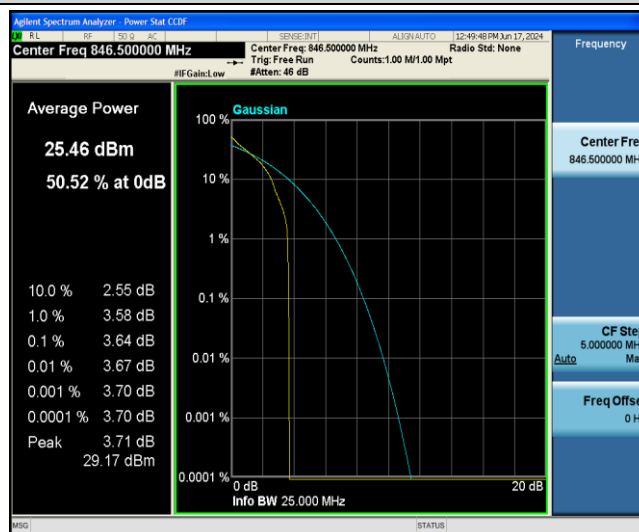
Band5-5MHz-QPSK-20525-1RB#0



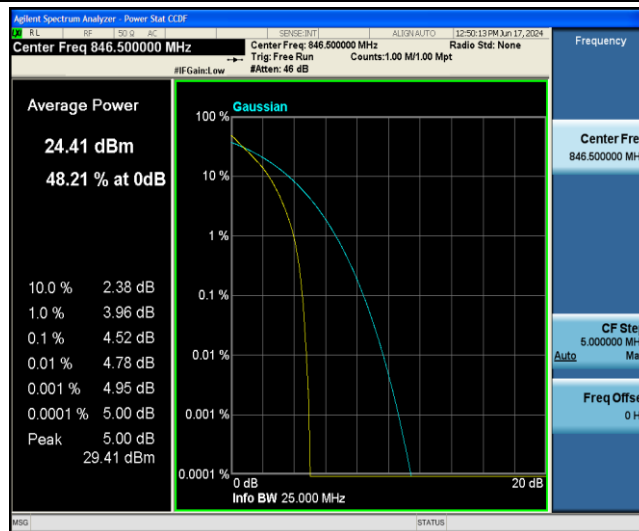
Band5-5MHz-QPSK-20525-25RB#0



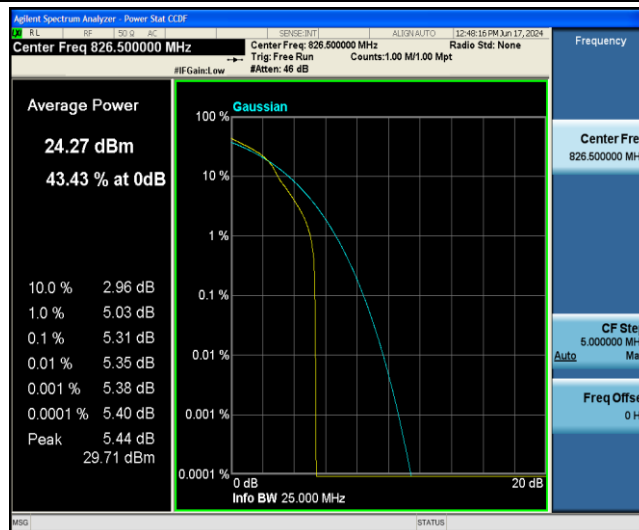
Band5-5MHz-QPSK-20625-1RB#0



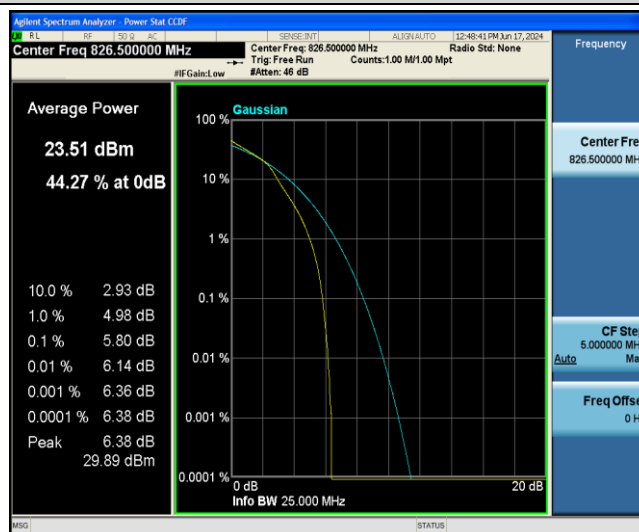
Band5-5MHz-QPSK-20625-25RB#0



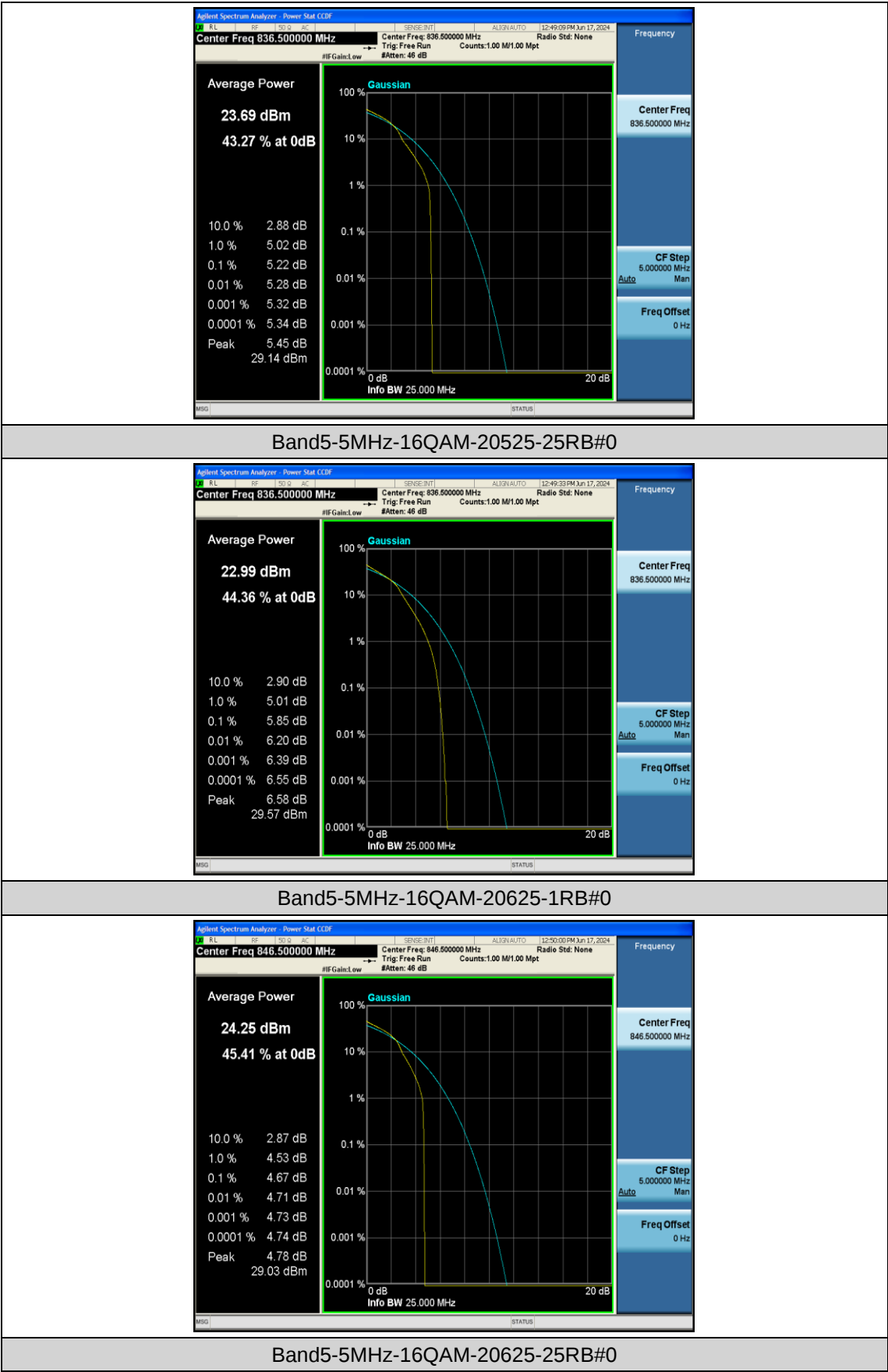
Band5-5MHz-16QAM-20425-1RB#0



Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-1RB#0



Band5-5MHz-16QAM-20625-1RB#0

Agilent Spectrum Analyzer - Power Stat CLDF

Center Freq 846.500000 MHz

Center Freq: 846.500000 MHz

Radio Std: None

Frequency

Center Freq 846.500000 MHz

CF Step 5.000000 MHz

Freq Offset 0 Hz

Average Power

24.25 dBm

45.41 % at 0dB

10.0 % 2.87 dB

1.0 % 4.53 dB

0.1 % 4.67 dB

0.01 % 4.71 dB

0.001 % 4.73 dB

0.0001 % 4.74 dB

Peak 4.78 dB

29.03 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

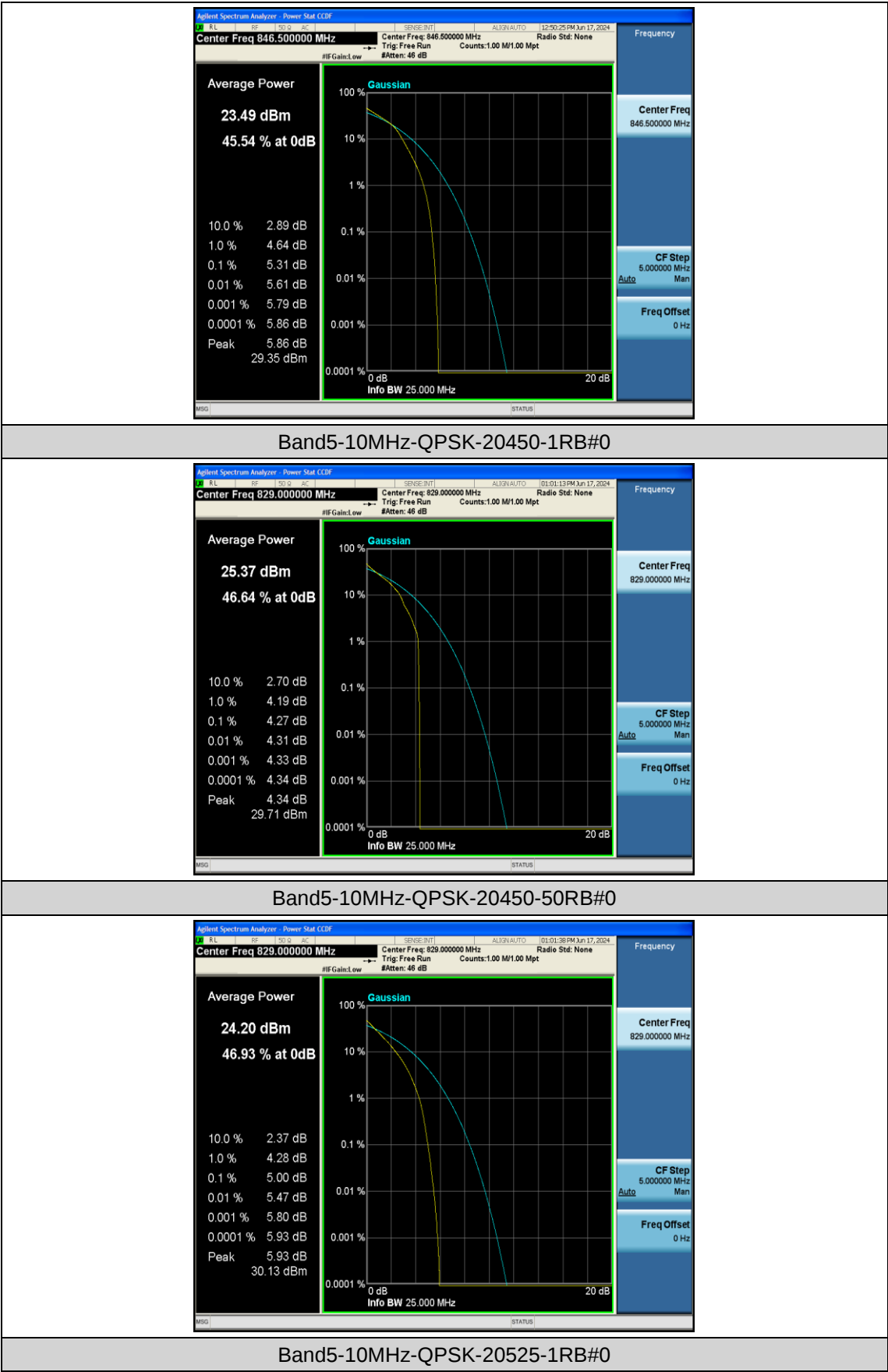
0.0001 %

0 dB

20 dB

Info BW 25.000 MHz

Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0

Agilent Spectrum Analyzer - Power Stat CLDF

Center Freq 829.000000 MHz

Center Freq: 829.000000 MHz

Radio Std: None

Frequency

Center Freq 829.000000 MHz

CF Step 5.000000 MHz

Freq Offset 0 Hz

Average Power

24.20 dBm

46.93 % at 0dB

10.0 % 2.37 dB

1.0 % 4.28 dB

0.1 % 5.00 dB

0.01 % 5.47 dB

0.001 % 5.80 dB

0.0001 % 5.93 dB

Peak 5.93 dB

30.13 dBm

Gaussian

100 %

10 %

1 %

0.1 %

0.01 %

0.001 %

0.0001 %

0 dB

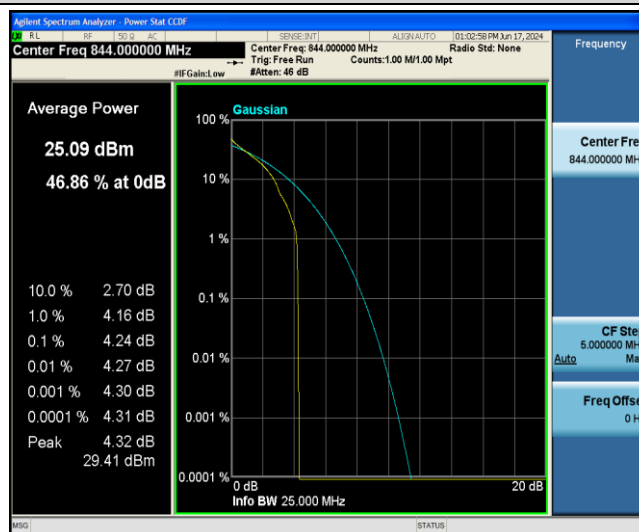
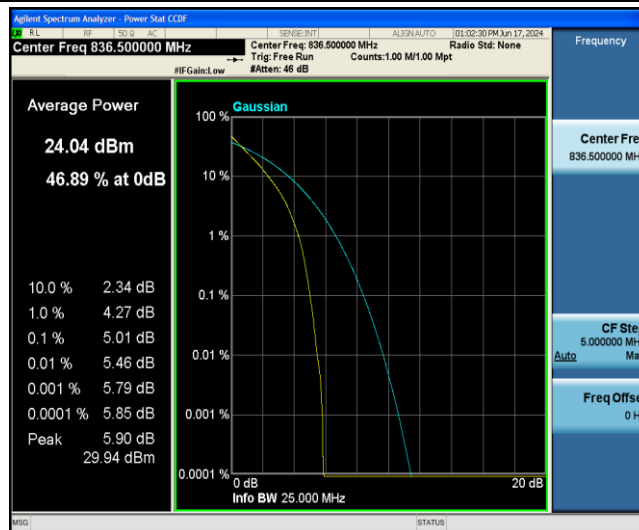
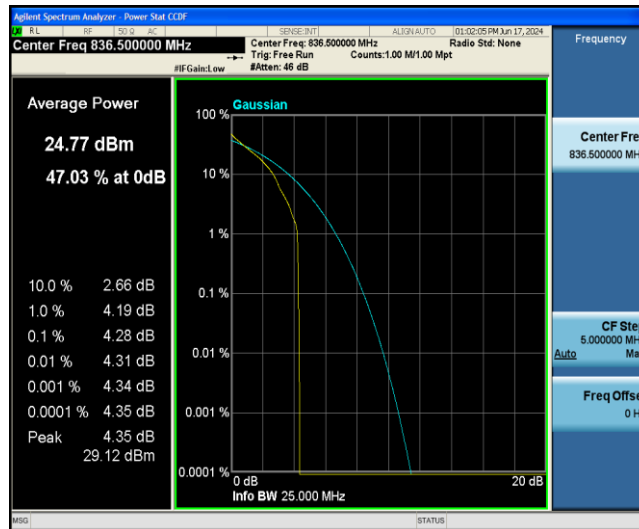
20 dB

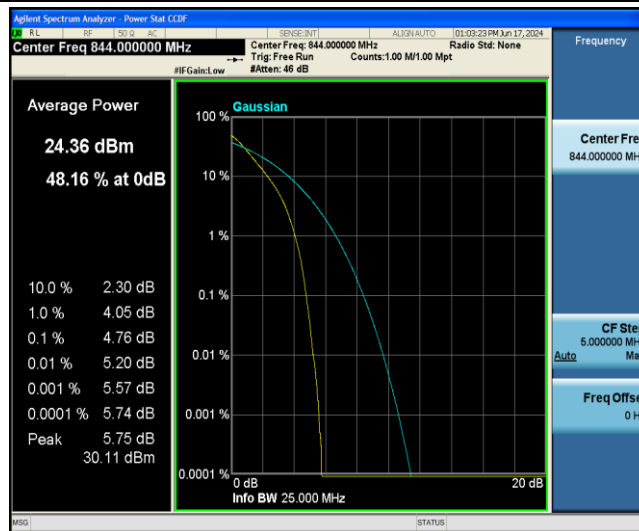
Info BW 25.000 MHz

MSG

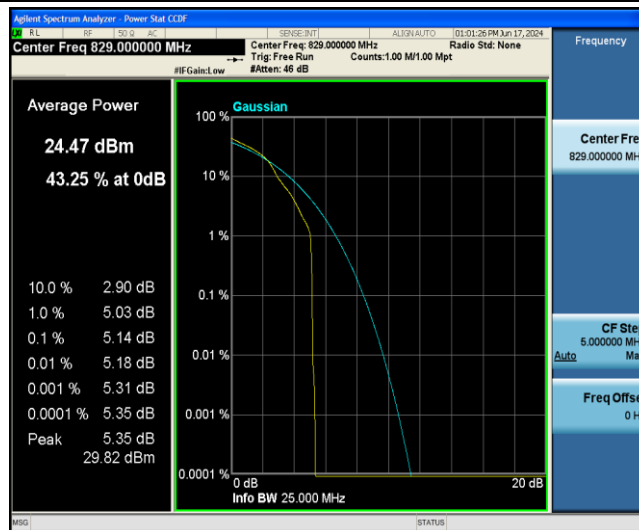
STATUS

Band5-10MHz-QPSK-20525-1RB#0

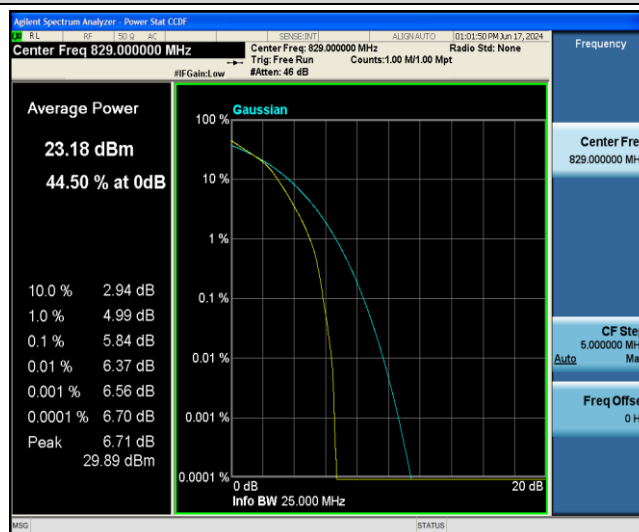




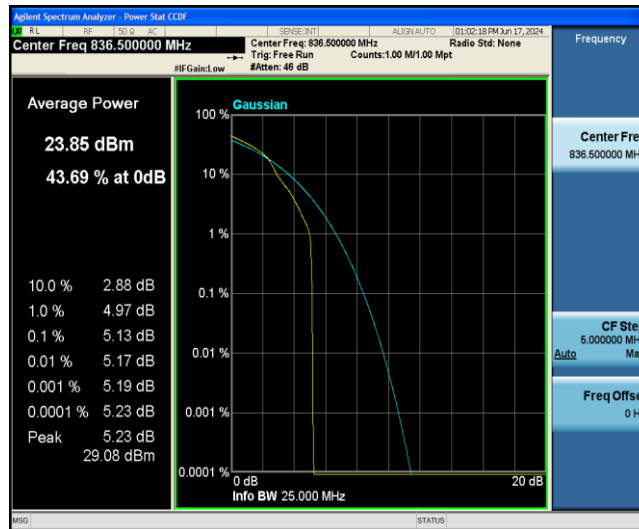
Band5-10MHz-16QAM-20450-1RB#0



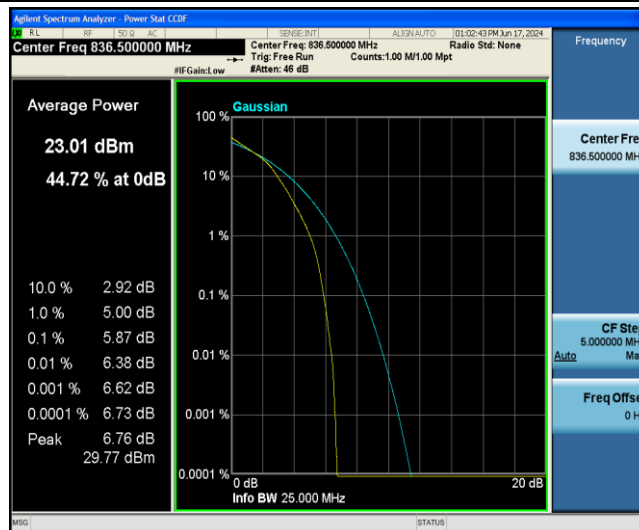
Band5-10MHz-16QAM-20450-50RB#0



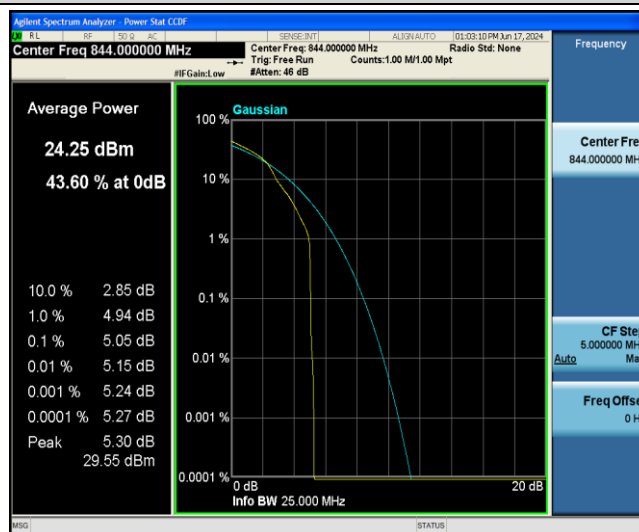
Band5-10MHz-16QAM-20525-1RB#0



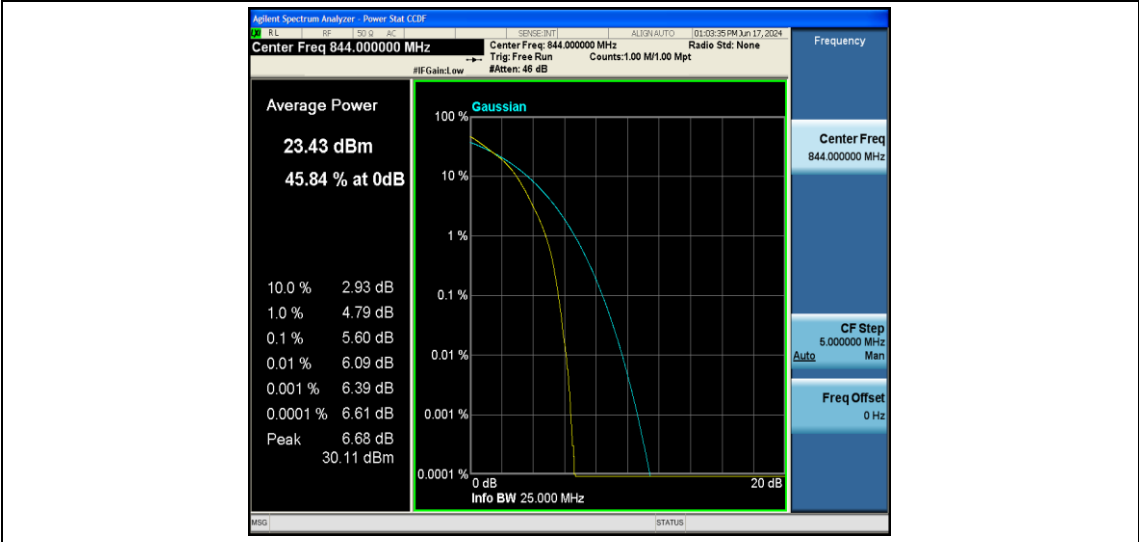
Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-50RB#0



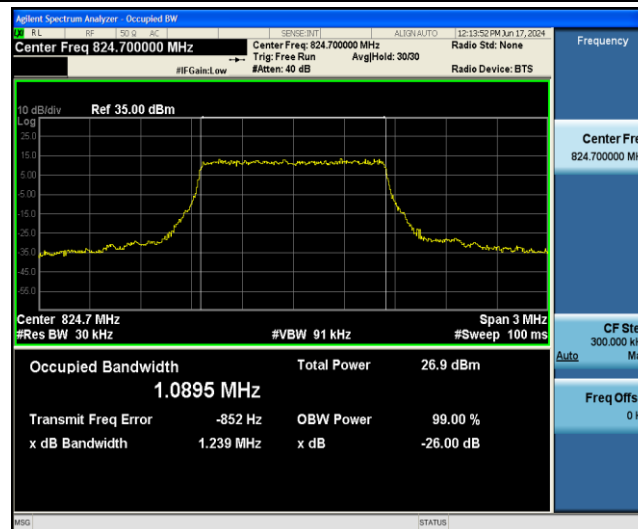
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

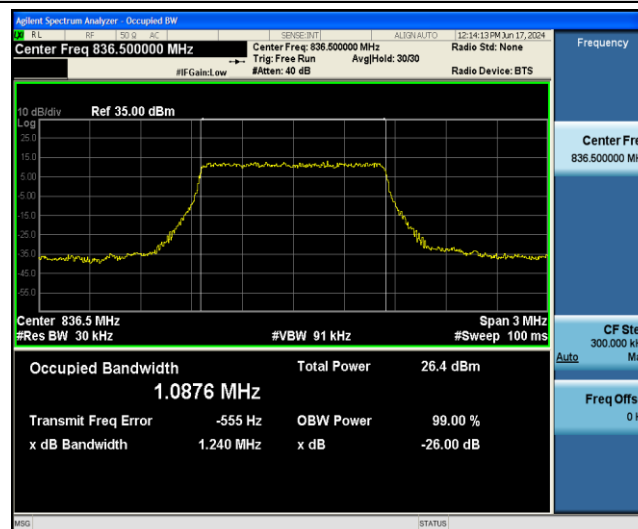
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0895	1.239	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0876	1.240	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0895	1.254	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0915	1.263	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0924	1.263	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0910	1.251	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6906	2.901	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6958	2.883	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6961	2.889	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6878	2.902	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6923	2.914	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6937	2.937	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5018	4.902	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5018	4.896	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5006	4.906	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5073	4.861	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5023	4.872	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4919	4.863	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9640	9.567	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9743	9.572	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9523	9.512	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9525	9.523	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9589	9.521	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9377	9.528	PASS

Test Graphs

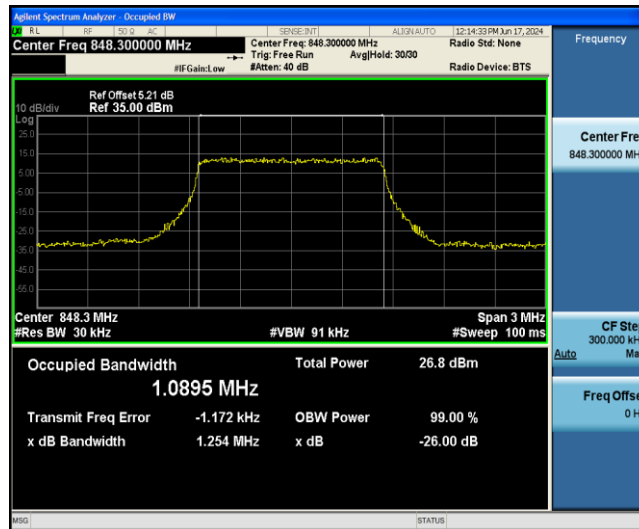
Band5-1.4MHz-QPSK-20407-6RB#0



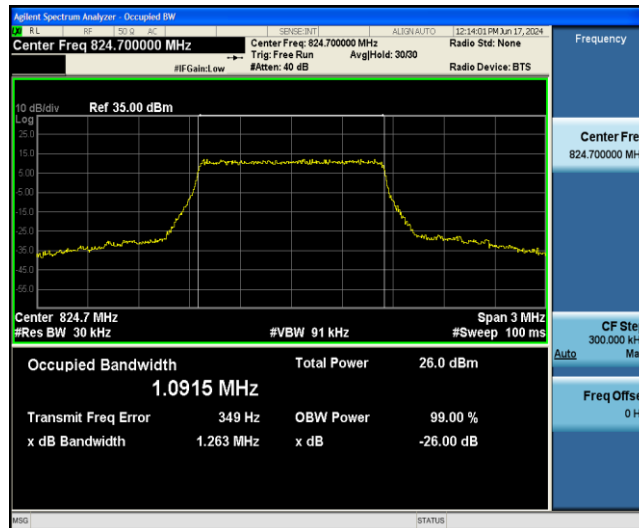
Band5-1.4MHz-QPSK-20525-6RB#0



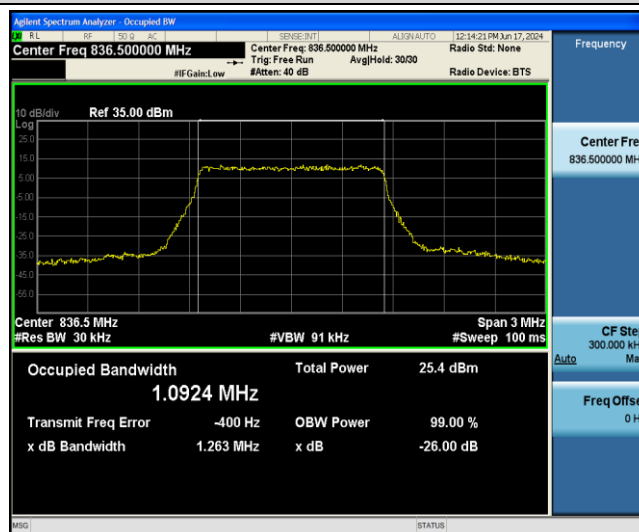
Band5-1.4MHz-QPSK-20643-6RB#0



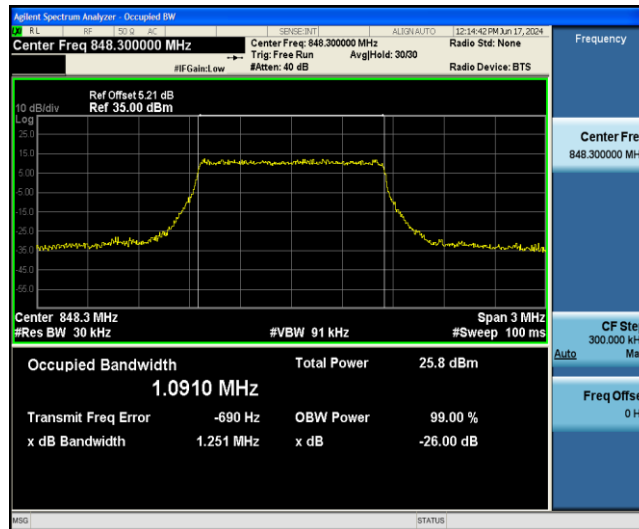
Band5-1.4MHz-16QAM-20407-6RB#0



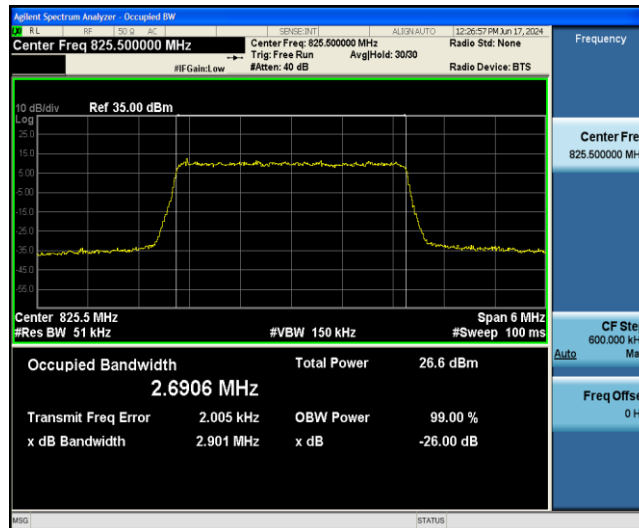
Band5-1.4MHz-16QAM-20525-6RB#0



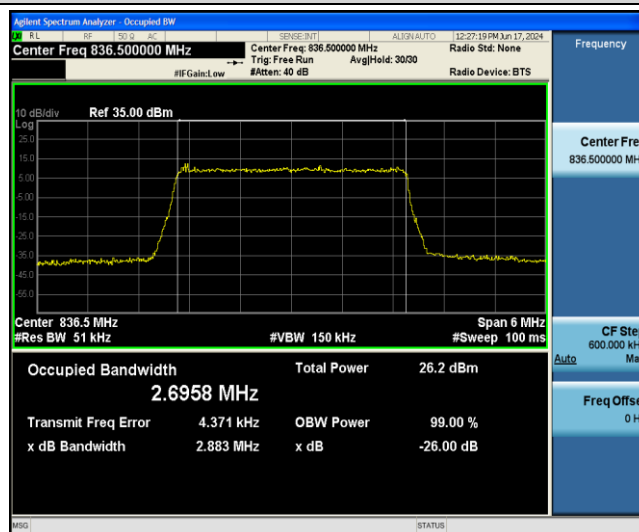
Band5-1.4MHz-16QAM-20643-6RB#0



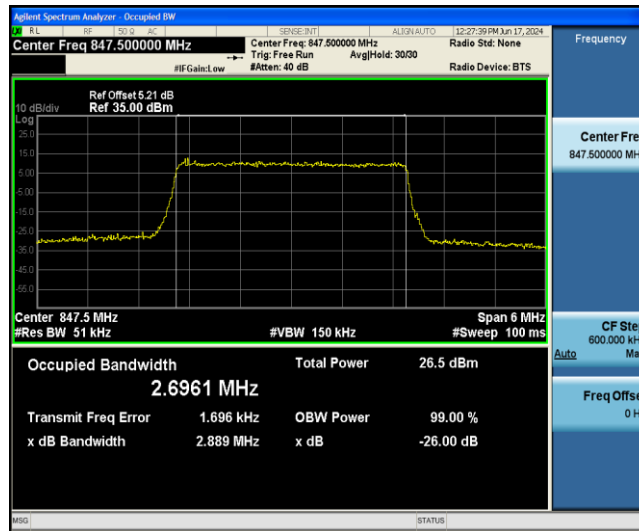
Band5-3MHz-QPSK-20415-15RB#0



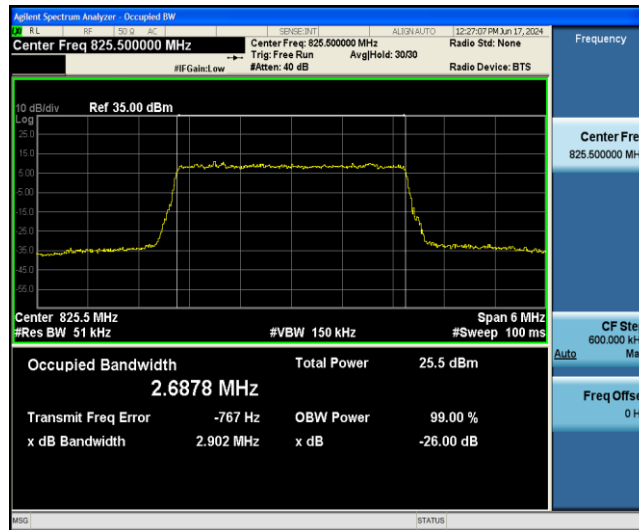
Band5-3MHz-QPSK-20525-15RB#0



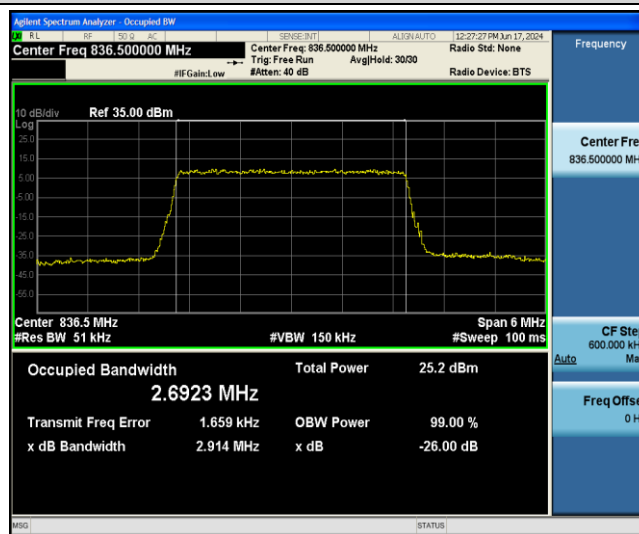
Band5-3MHz-QPSK-20635-15RB#0



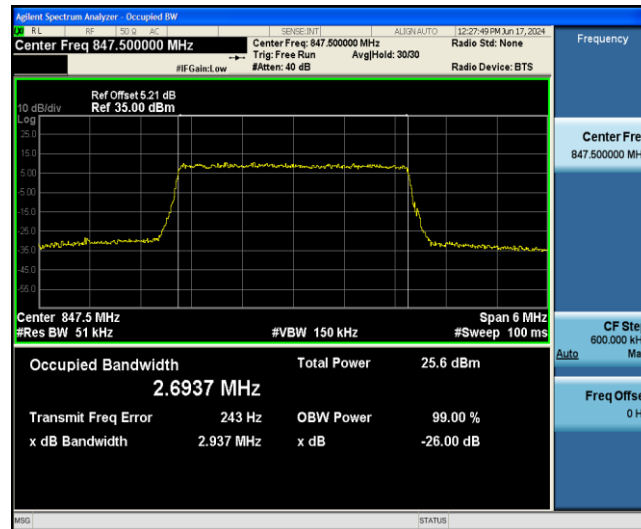
Band5-3MHz-16QAM-20415-15RB#0



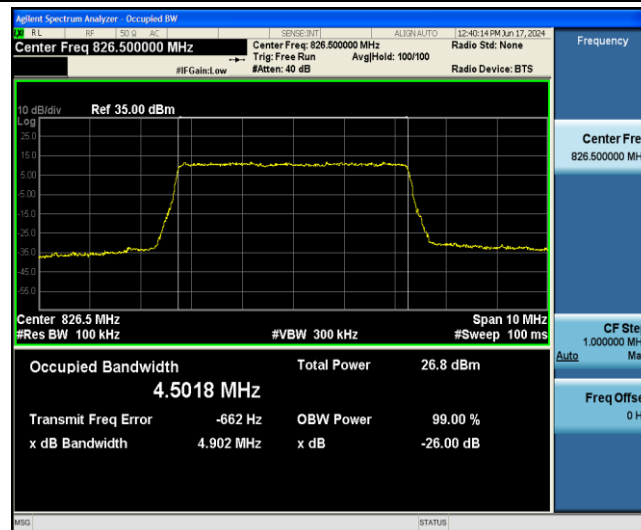
Band5-3MHz-16QAM-20525-15RB#0



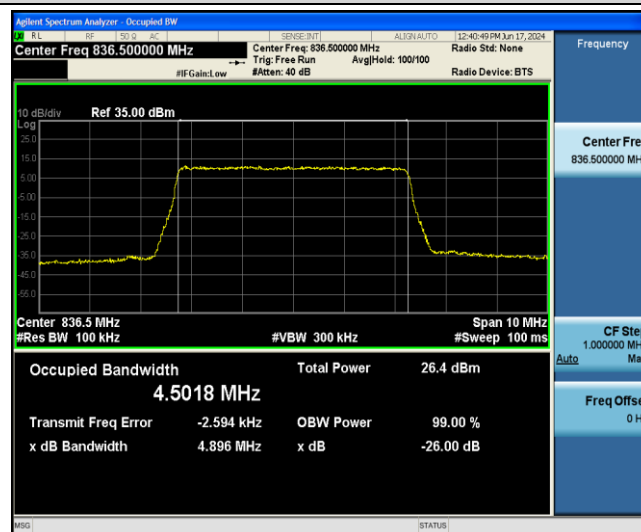
Band5-3MHz-16QAM-20635-15RB#0



Band5-5MHz-QPSK-20425-25RB#0



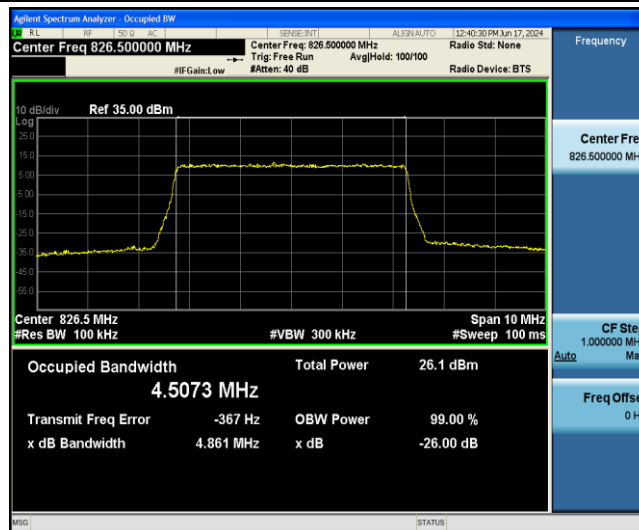
Band5-5MHz-QPSK-20525-25RB#0



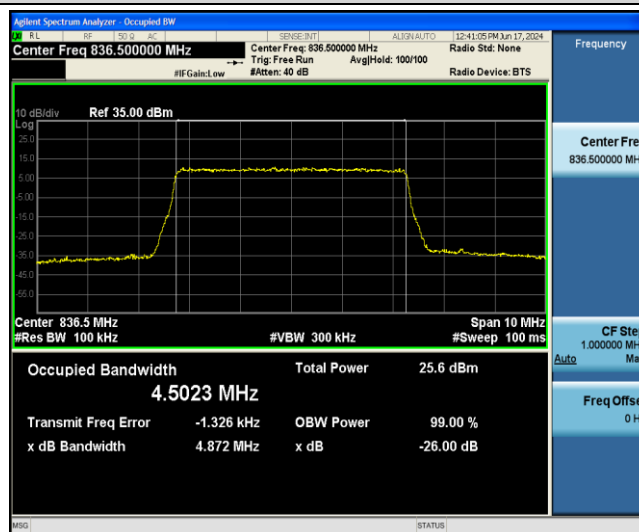
Band5-5MHz-QPSK-20625-25RB#0



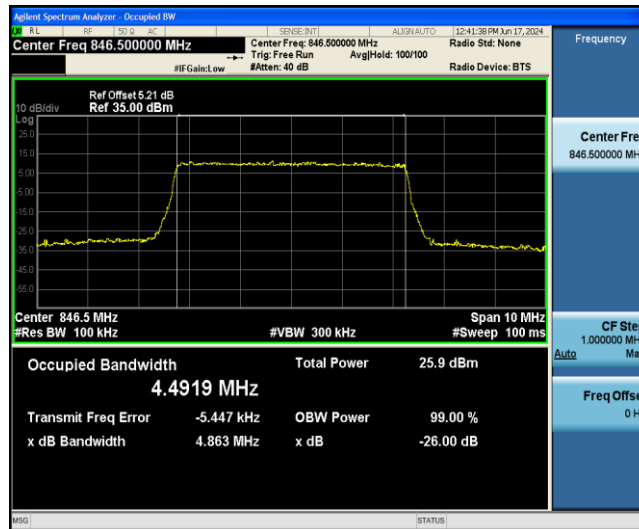
Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0



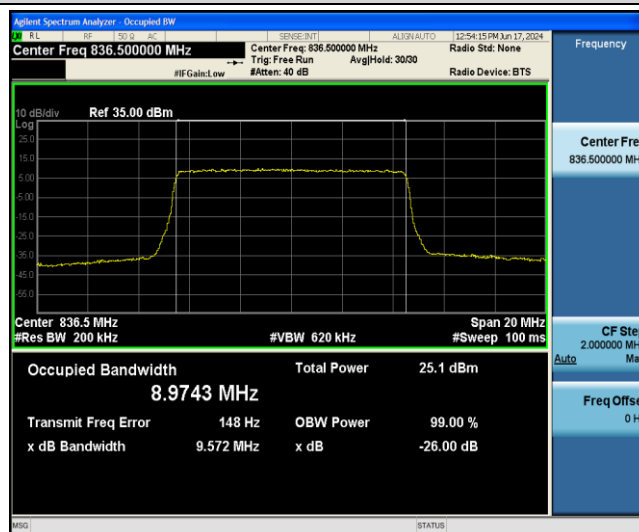
Band5-5MHz-16QAM-20625-25RB#0



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



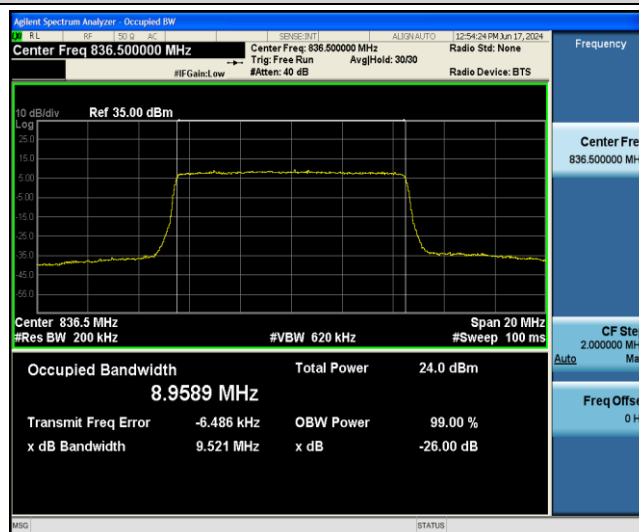
Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



Appendix D: Band Edge

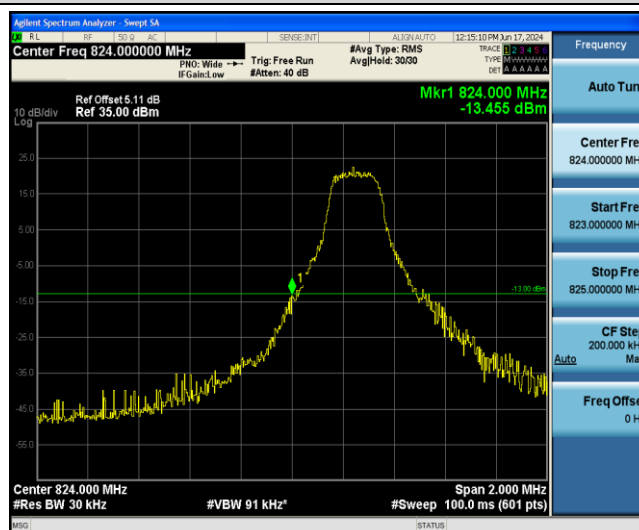
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-13.46	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-43.81	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-21.06	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-40.88	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-14.39	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-20.82	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-15.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-43.73	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-22.23	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-42.79	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-15.30	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-21.99	PASS
Band5	3MHz	QPSK	20415	1RB#0	-16.39	PASS
Band5	3MHz	QPSK	20415	1RB#14	-41.50	PASS
Band5	3MHz	QPSK	20415	15RB#0	-22.44	PASS
Band5	3MHz	QPSK	20635	1RB#0	-42.55	PASS
Band5	3MHz	QPSK	20635	1RB#14	-14.70	PASS
Band5	3MHz	QPSK	20635	15RB#0	-22.81	PASS
Band5	3MHz	16QAM	20415	1RB#0	-17.24	PASS
Band5	3MHz	16QAM	20415	1RB#14	-42.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	-24.34	PASS
Band5	3MHz	16QAM	20635	1RB#0	-42.86	PASS
Band5	3MHz	16QAM	20635	1RB#14	-16.15	PASS
Band5	3MHz	16QAM	20635	15RB#0	-23.83	PASS
Band5	5MHz	QPSK	20425	1RB#0	-14.34	PASS
Band5	5MHz	QPSK	20425	1RB#24	-50.82	PASS
Band5	5MHz	QPSK	20425	25RB#0	-22.31	PASS
Band5	5MHz	QPSK	20625	1RB#0	-52.17	PASS
Band5	5MHz	QPSK	20625	1RB#24	-14.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	-22.05	PASS
Band5	5MHz	16QAM	20425	1RB#0	-15.77	PASS
Band5	5MHz	16QAM	20425	1RB#24	-51.64	PASS
Band5	5MHz	16QAM	20425	25RB#0	-24.23	PASS
Band5	5MHz	16QAM	20625	1RB#0	-52.23	PASS
Band5	5MHz	16QAM	20625	1RB#24	-15.88	PASS
Band5	5MHz	16QAM	20625	25RB#0	-23.73	PASS

Band5	10MHz	QPSK	20450	1RB#0	-19.18	PASS
Band5	10MHz	QPSK	20450	1RB#49	-43.22	PASS
Band5	10MHz	QPSK	20450	50RB#0	-24.08	PASS
Band5	10MHz	QPSK	20600	1RB#0	-43.03	PASS
Band5	10MHz	QPSK	20600	1RB#49	-13.95	PASS
Band5	10MHz	QPSK	20600	50RB#0	-24.32	PASS
Band5	10MHz	16QAM	20450	1RB#0	-17.61	PASS
Band5	10MHz	16QAM	20450	1RB#49	-40.38	PASS
Band5	10MHz	16QAM	20450	50RB#0	-26.18	PASS
Band5	10MHz	16QAM	20600	1RB#0	-43.02	PASS
Band5	10MHz	16QAM	20600	1RB#49	-17.27	PASS
Band5	10MHz	16QAM	20600	50RB#0	-25.38	PASS

Test Graphs

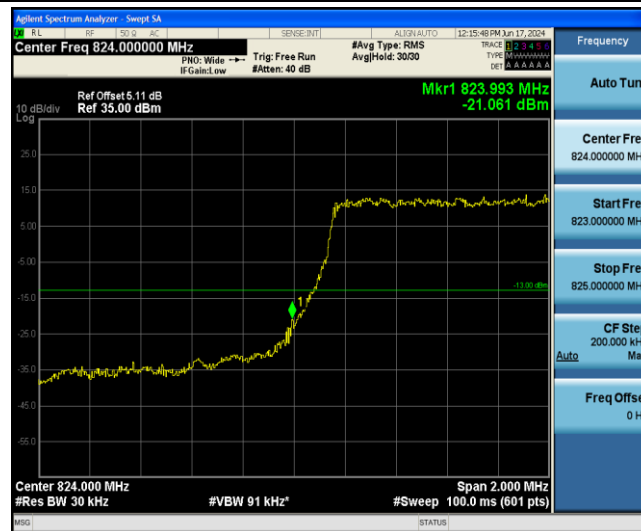
Band5-1.4MHz-QPSK-20407-1RB#0



Band5-1.4MHz-QPSK-20407-1RB#5



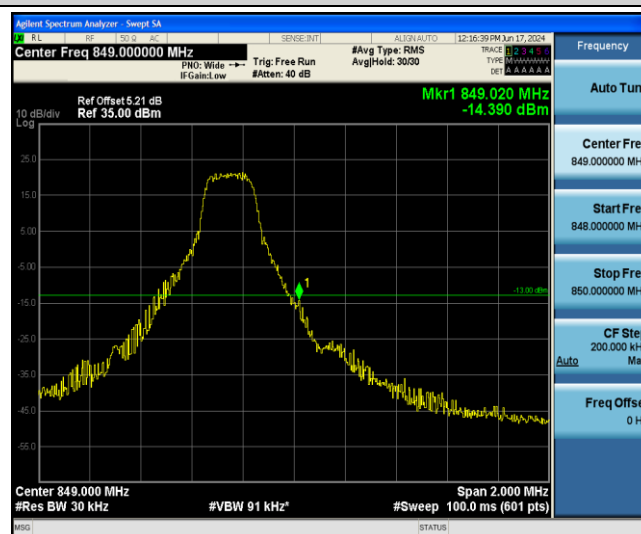
Band5-1.4MHz-QPSK-20407-6RB#0



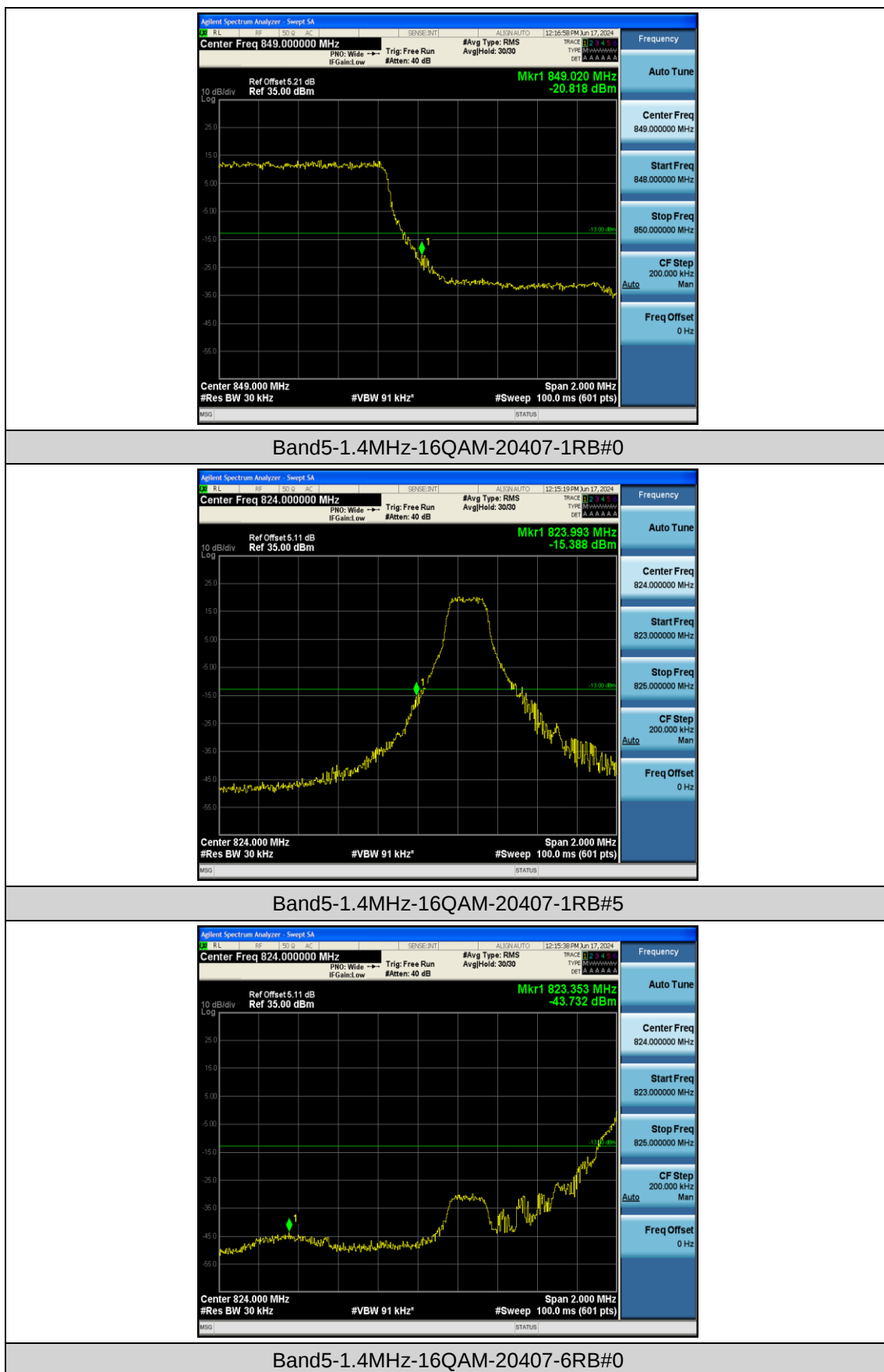
Band5-1.4MHz-QPSK-20643-1RB#0

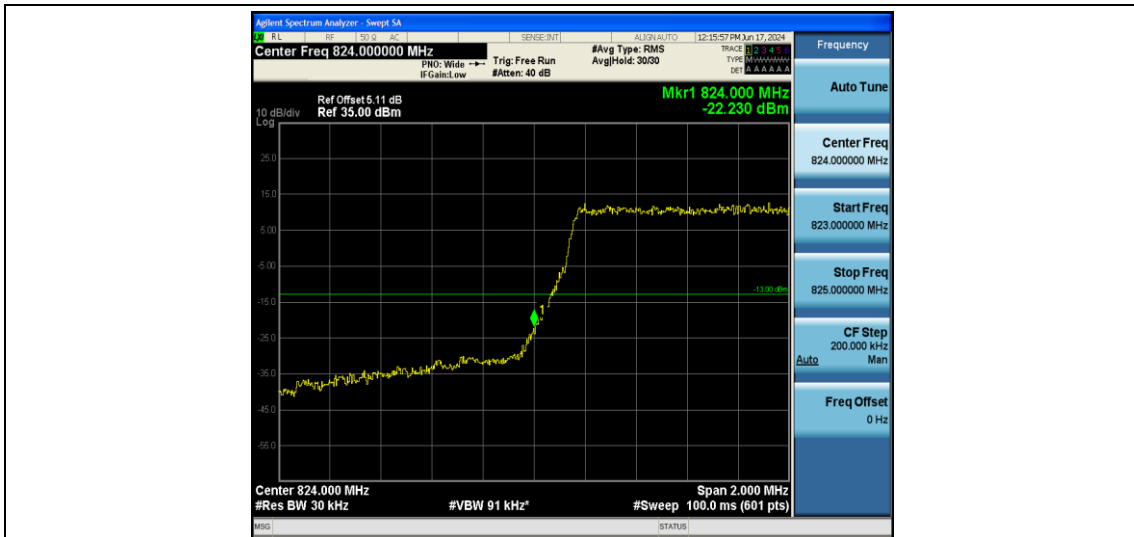


Band5-1.4MHz-QPSK-20643-1RB#5



Band5-1.4MHz-QPSK-20643-6RB#0

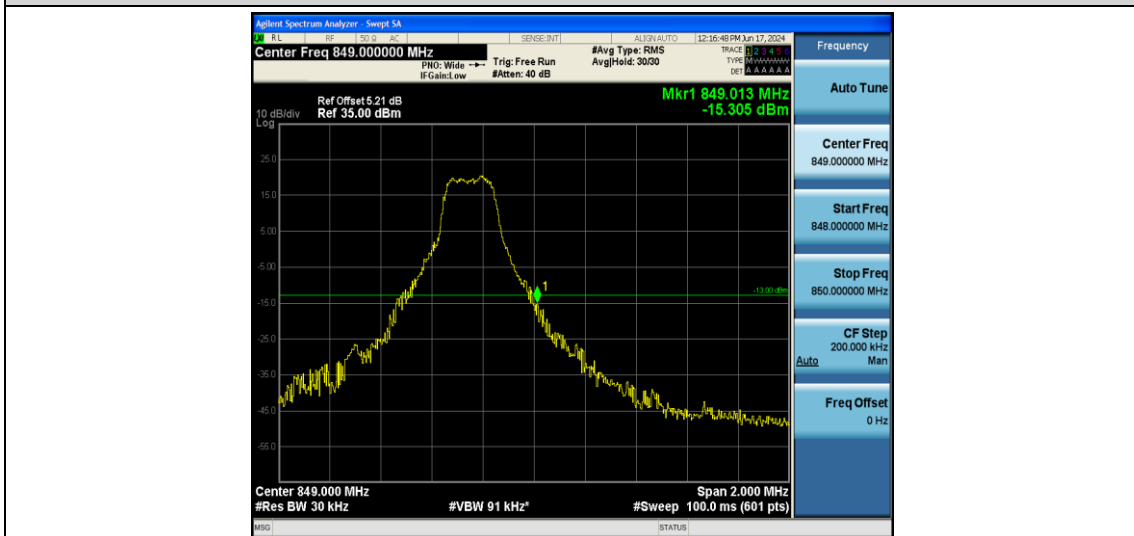




Band5-1.4MHz-16QAM-20643-1RB#0



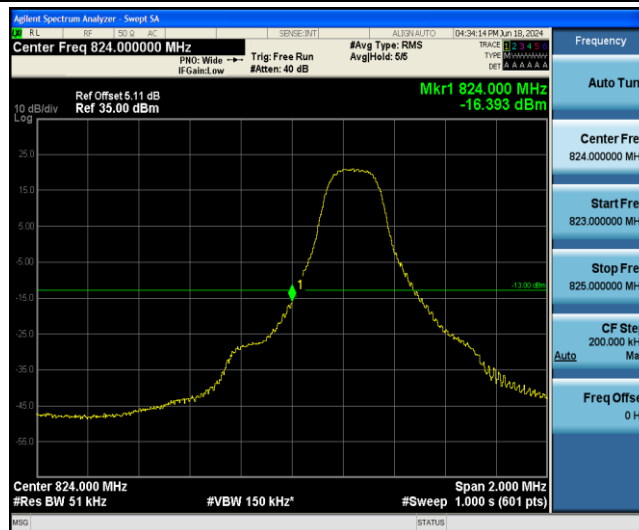
Band5-1.4MHz-16QAM-20643-1RB#5



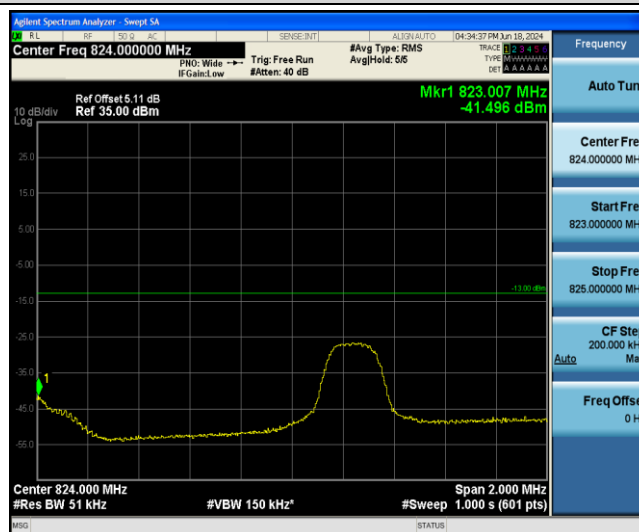
Band5-1.4MHz-16QAM-20643-6RB#0



Band5-3MHz-QPSK-20415-1RB#0



Band5-3MHz-QPSK-20415-1RB#14



Band5-3MHz-QPSK-20415-15RB#0