

LTE Band Test Data

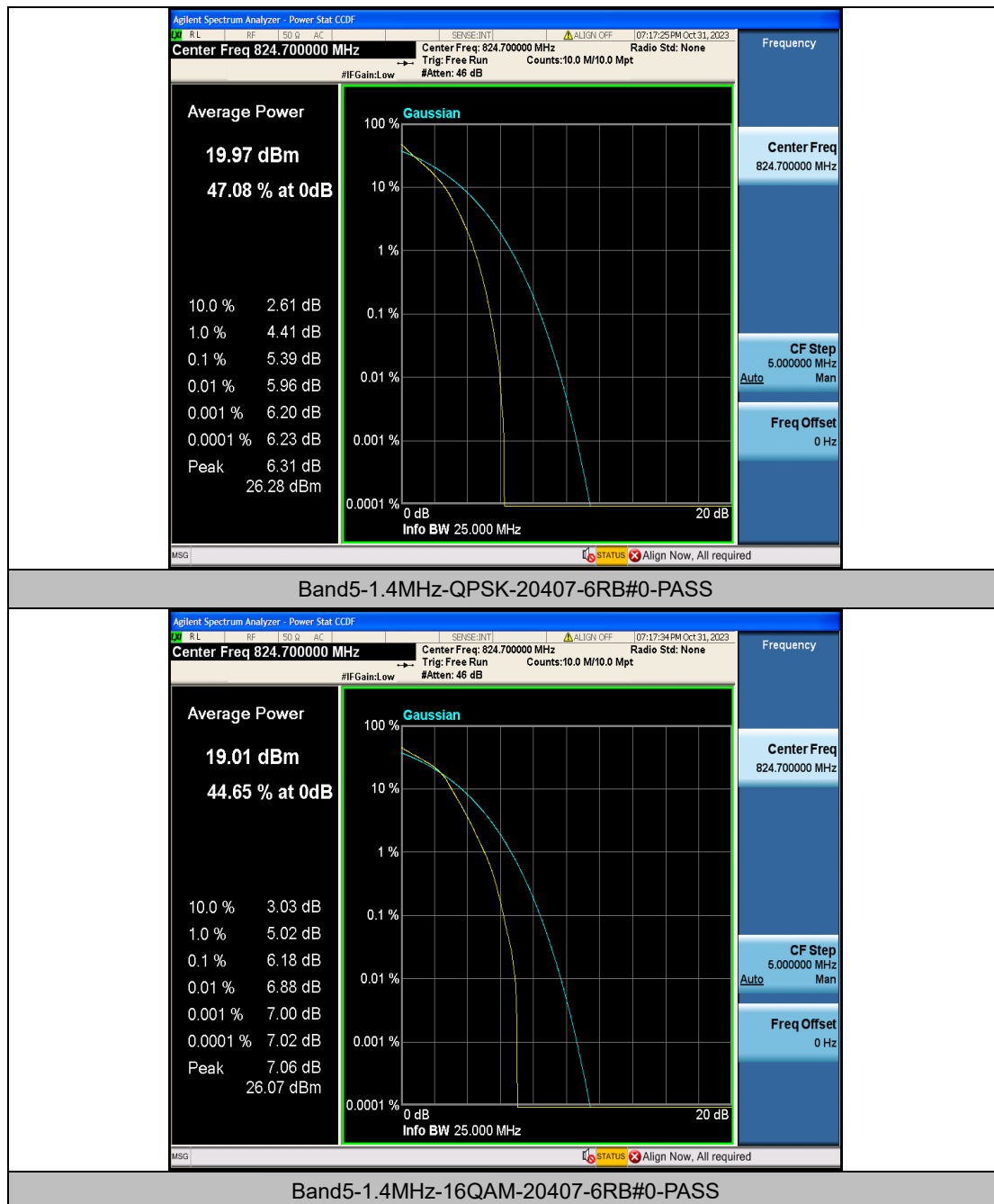
FCC ID : 2A9LB-T30
IC : 29740-T30
Company: : Eugeria
EUT : Idem Smart Display
Model Number : T30
Reviewed By : Eric Wang

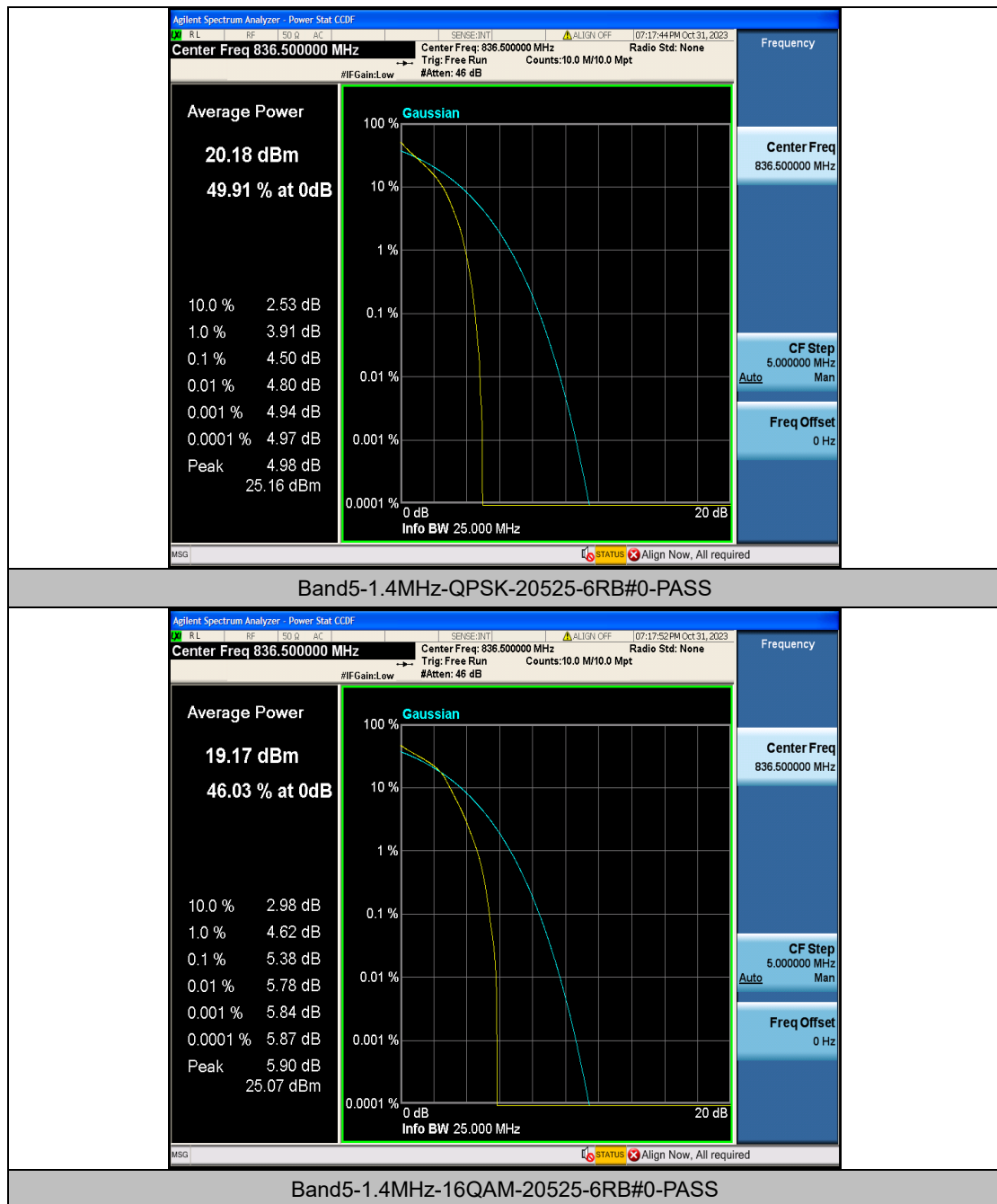
Appendix B: Peak-to-Average Ratio(CCDF)

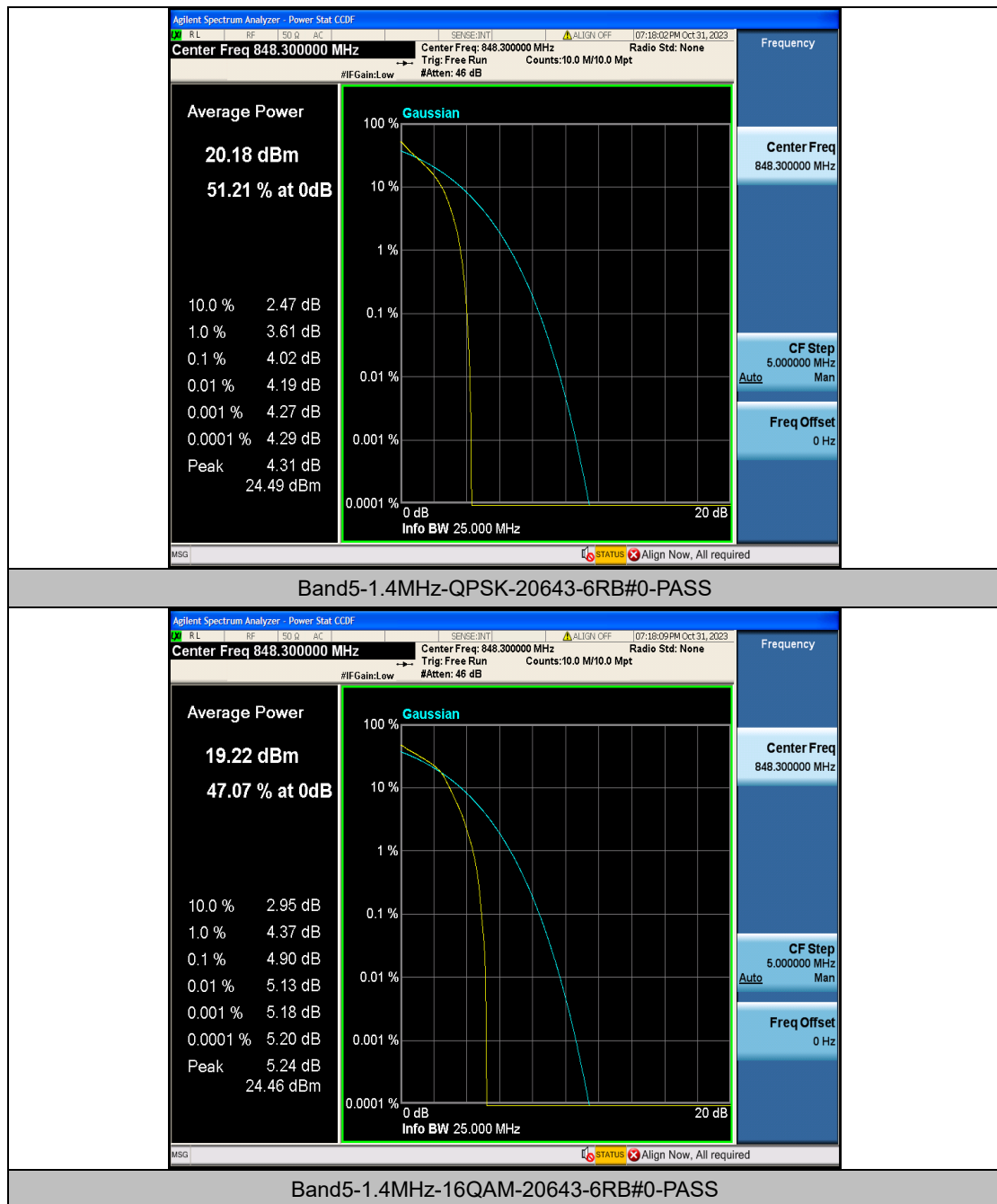
Test Result

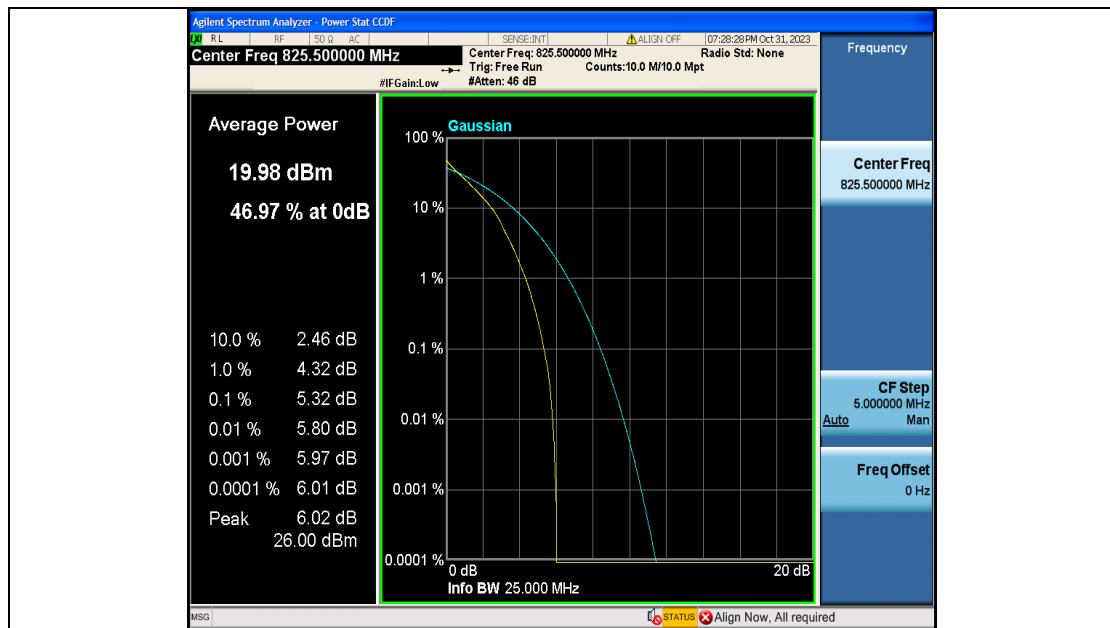
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.39	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.18	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.50	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.38	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.02	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	4.90	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.32	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.23	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.43	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.31	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.06	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.05	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.23	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.97	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.52	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.35	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.38	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.14	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.92	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.85	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.58	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.50	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.71	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.52	13	PASS

Test Graphs

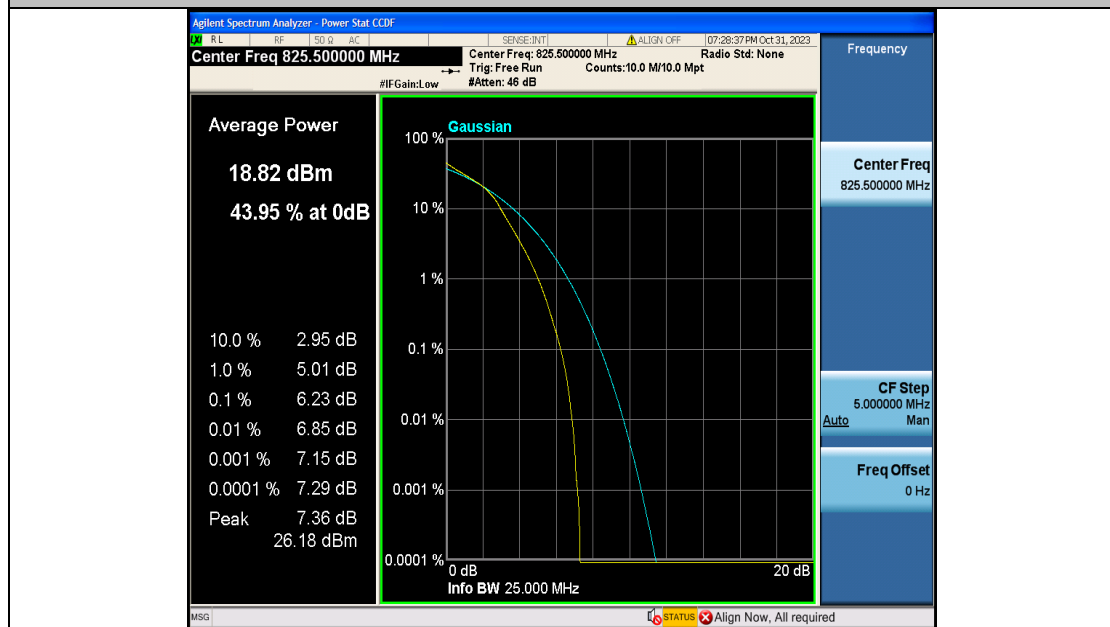




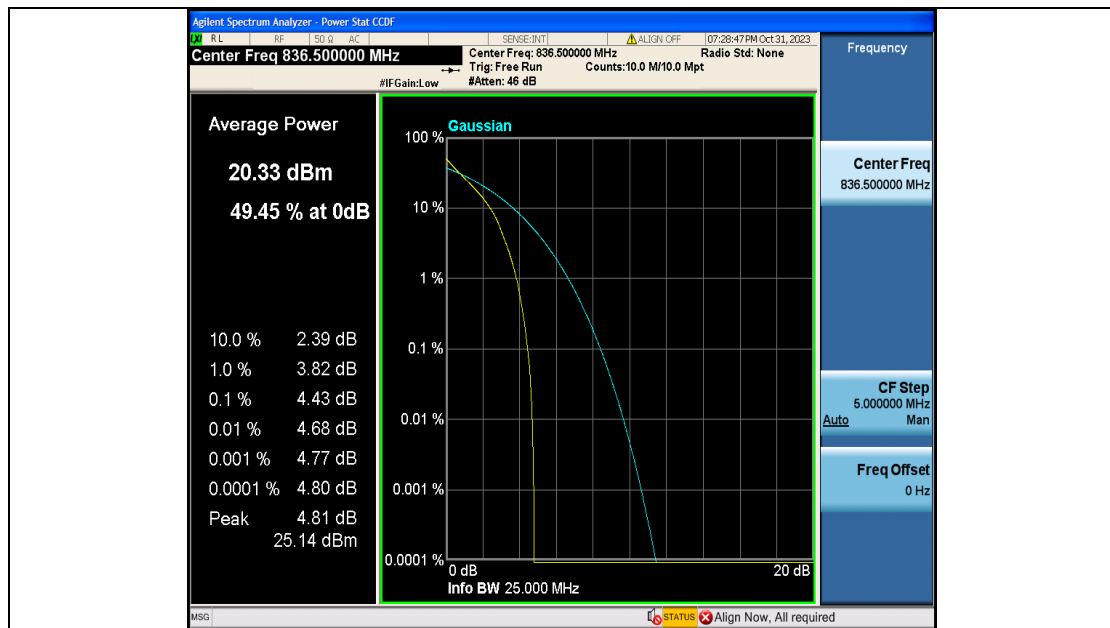




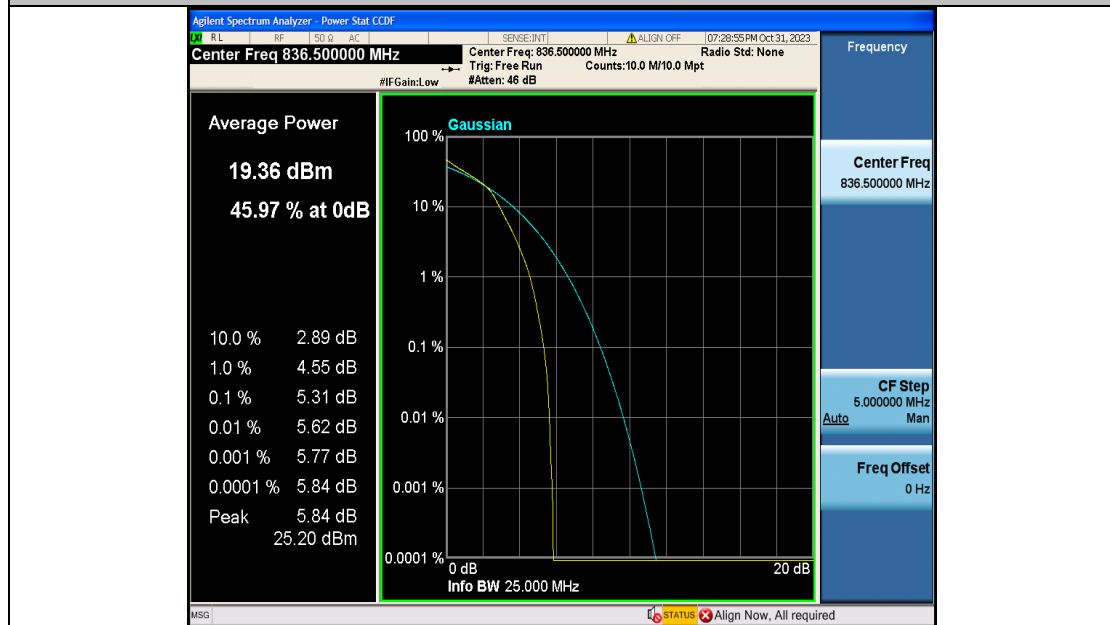
Band5-3MHz-QPSK-20415-15RB#0-PASS



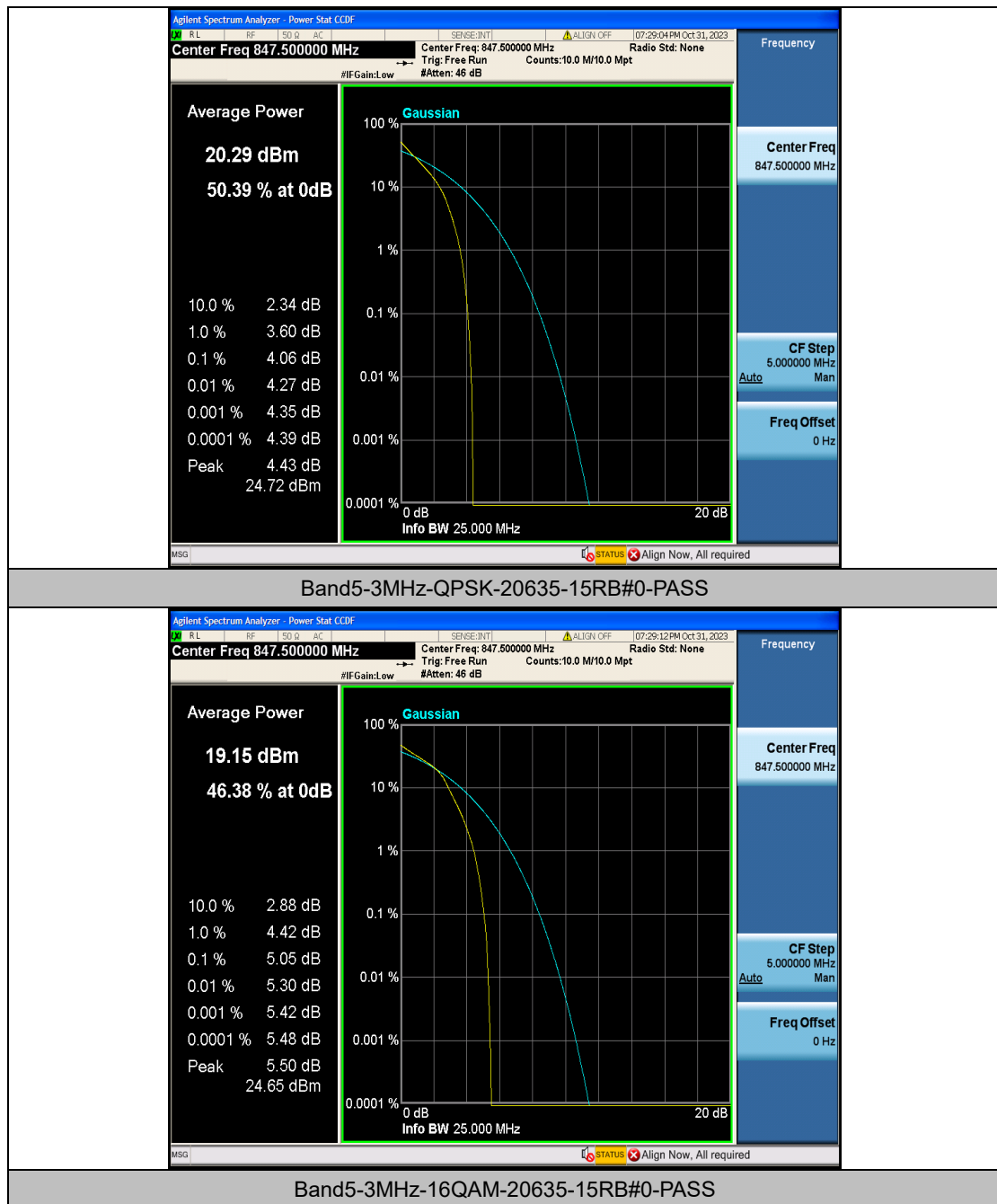
Band5-3MHz-16QAM-20415-15RB#0-PASS

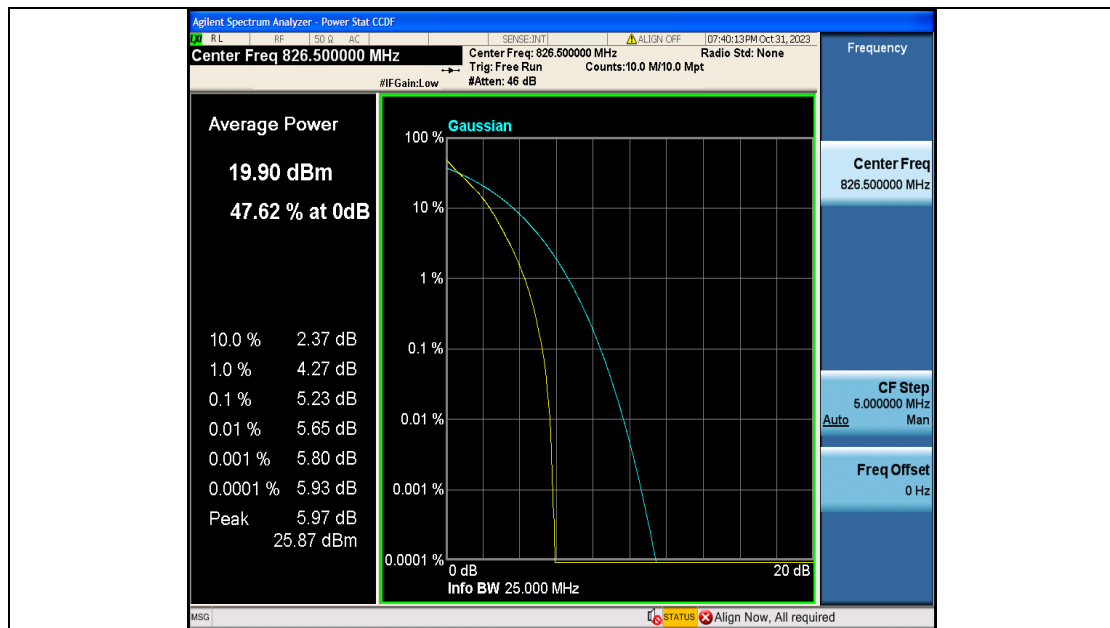


Band5-3MHz-QPSK-20525-15RB#0-PASS

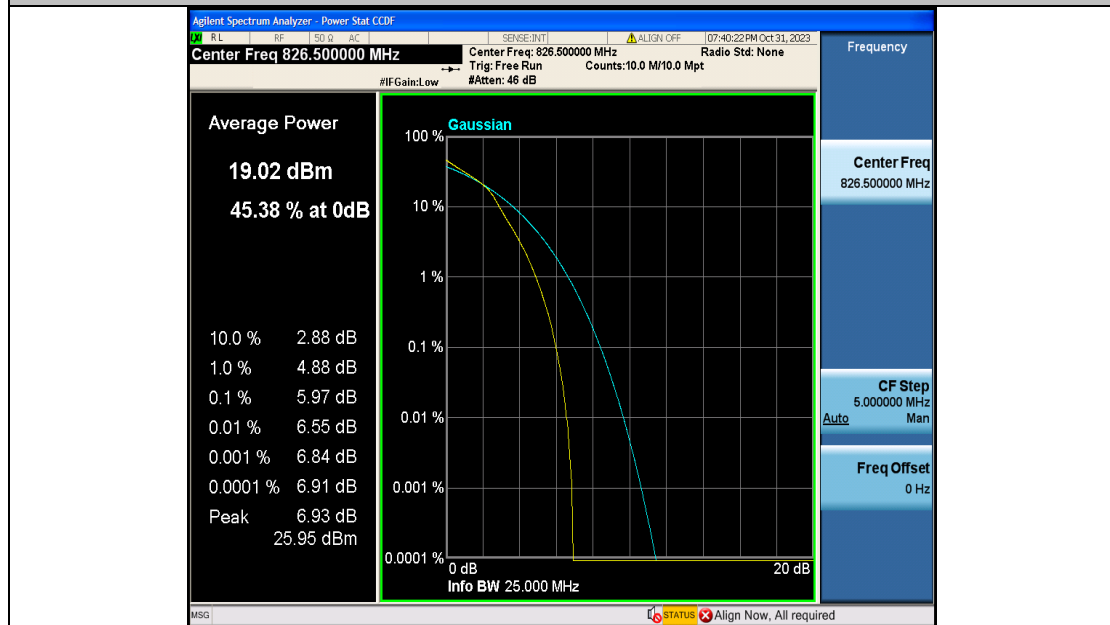


Band5-3MHz-16QAM-20525-15RB#0-PASS

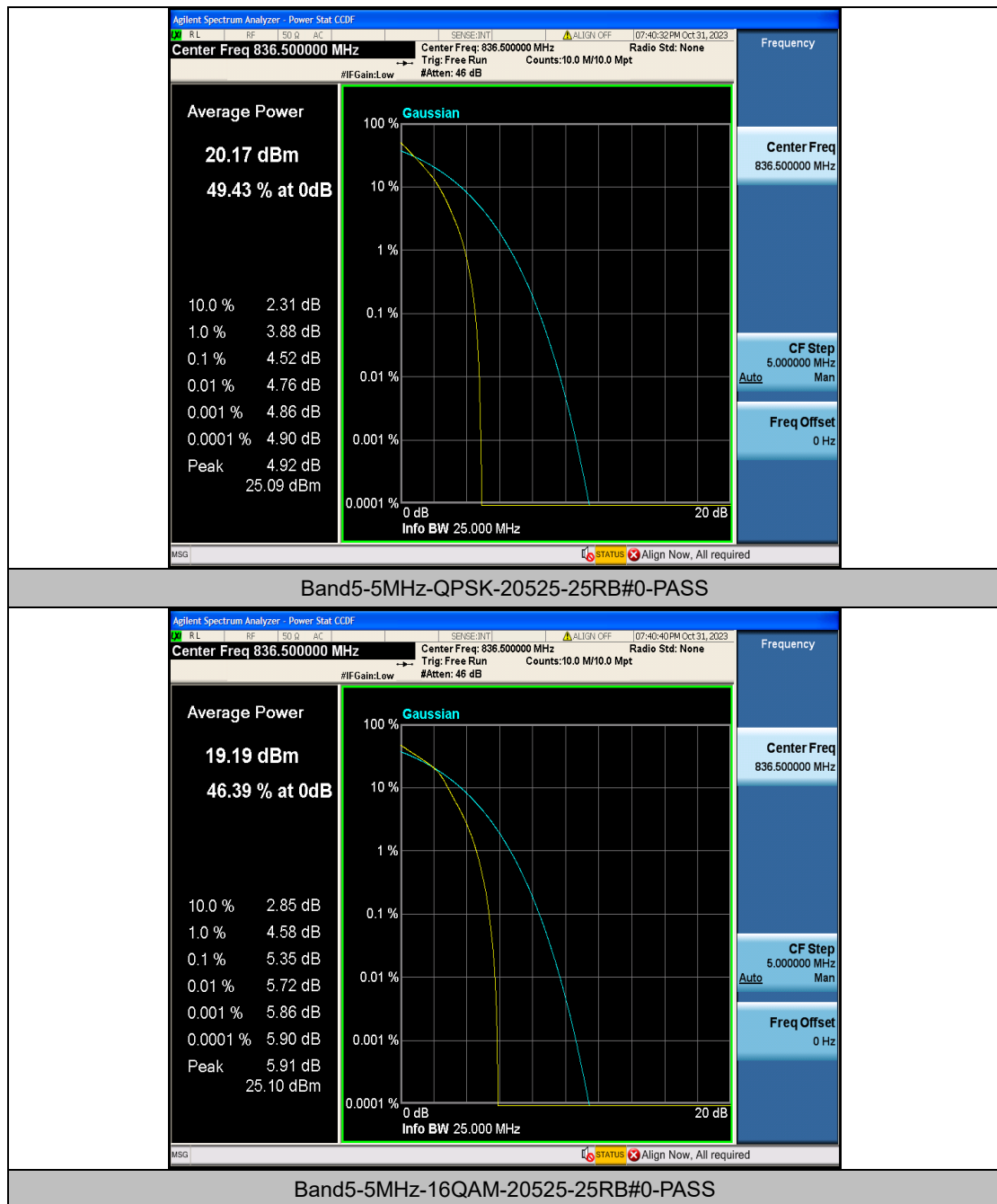


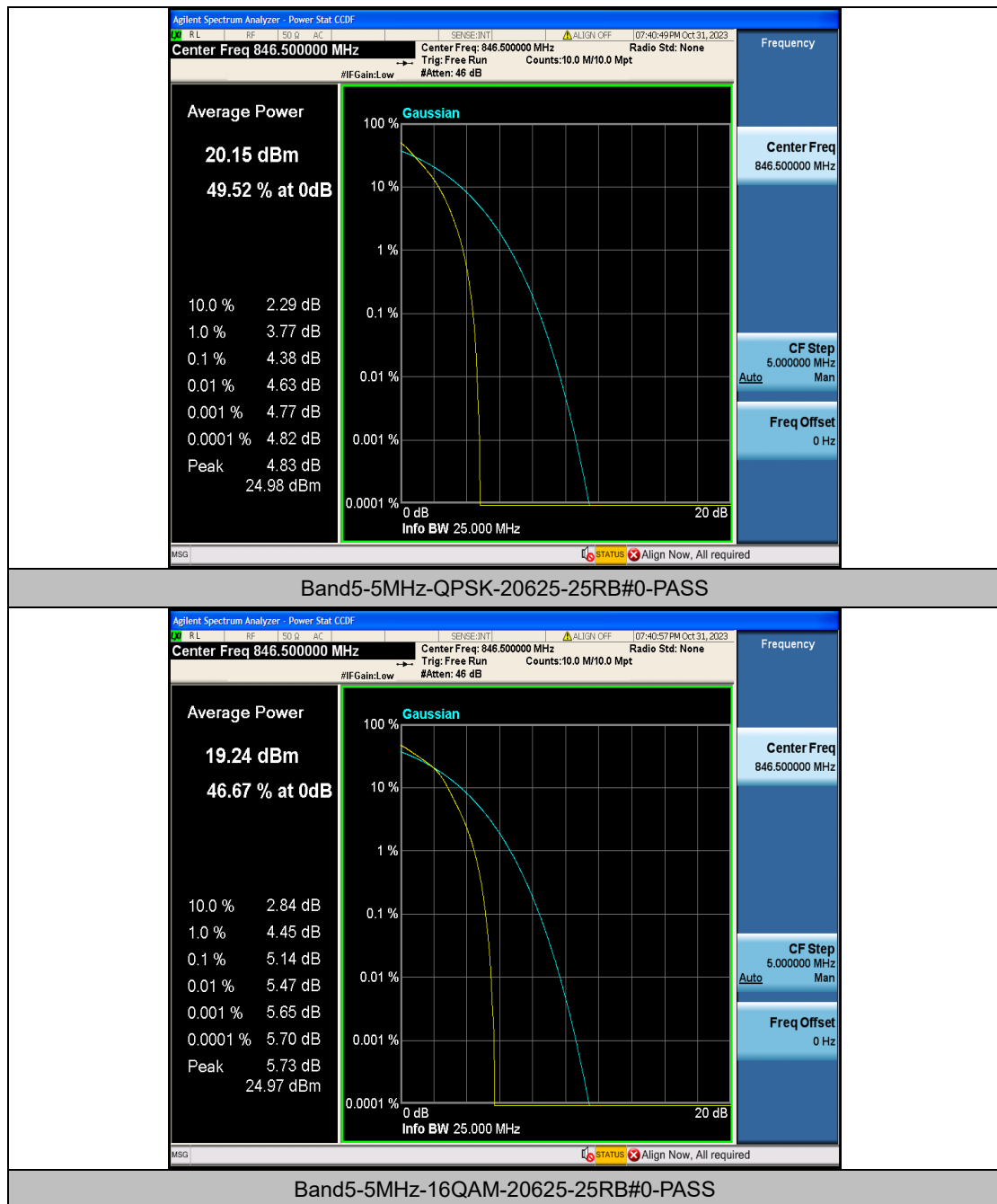


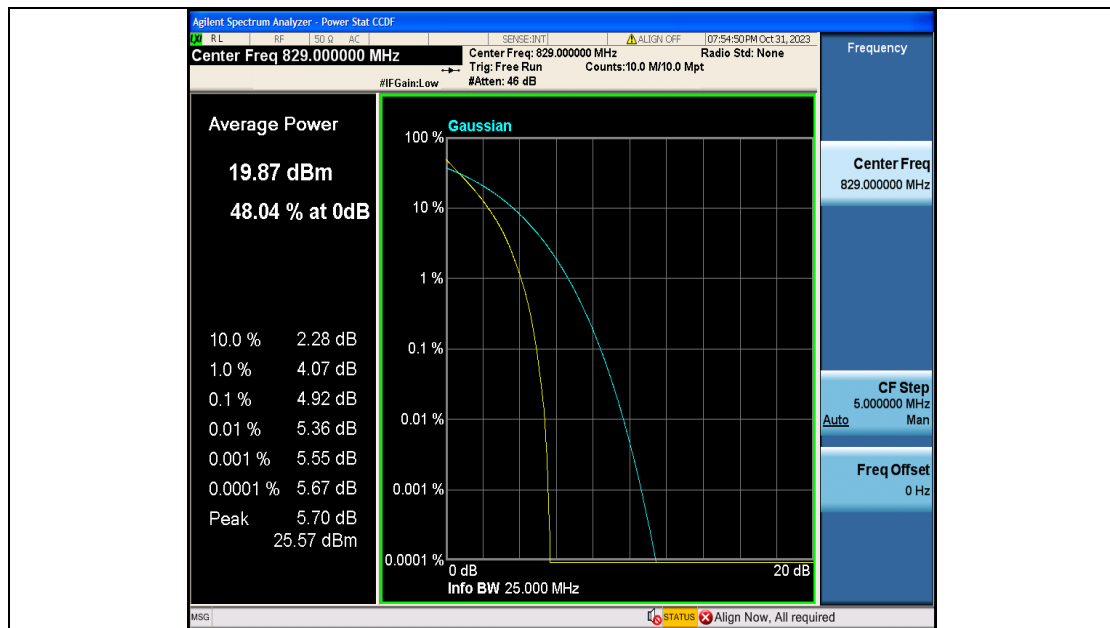
Band5-5MHz-QPSK-20425-25RB#0-PASS



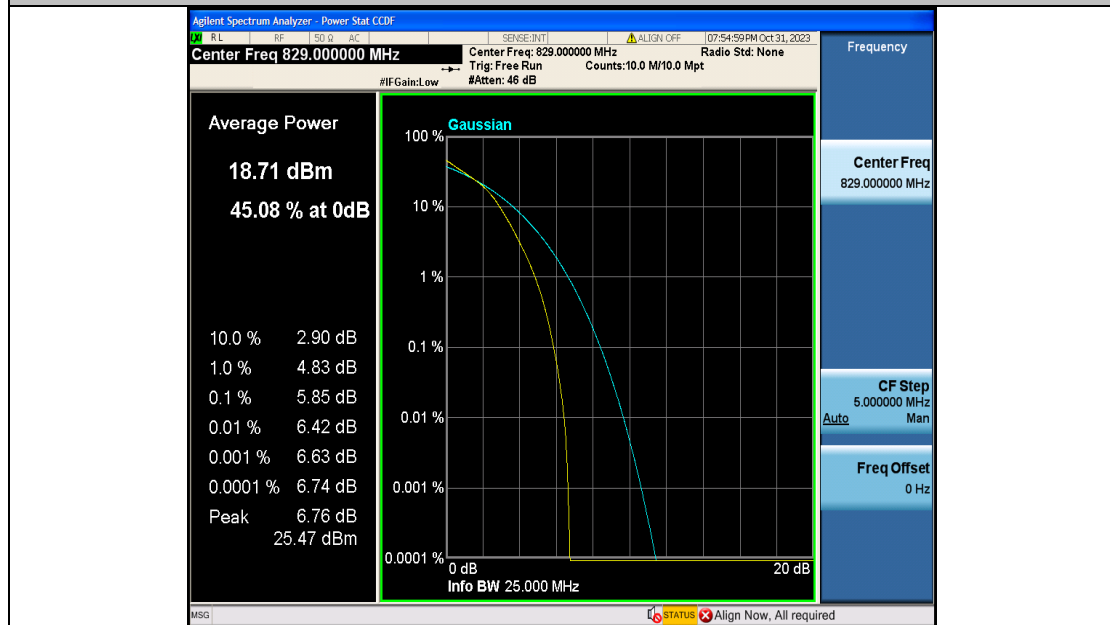
Band5-5MHz-16QAM-20425-25RB#0-PASS



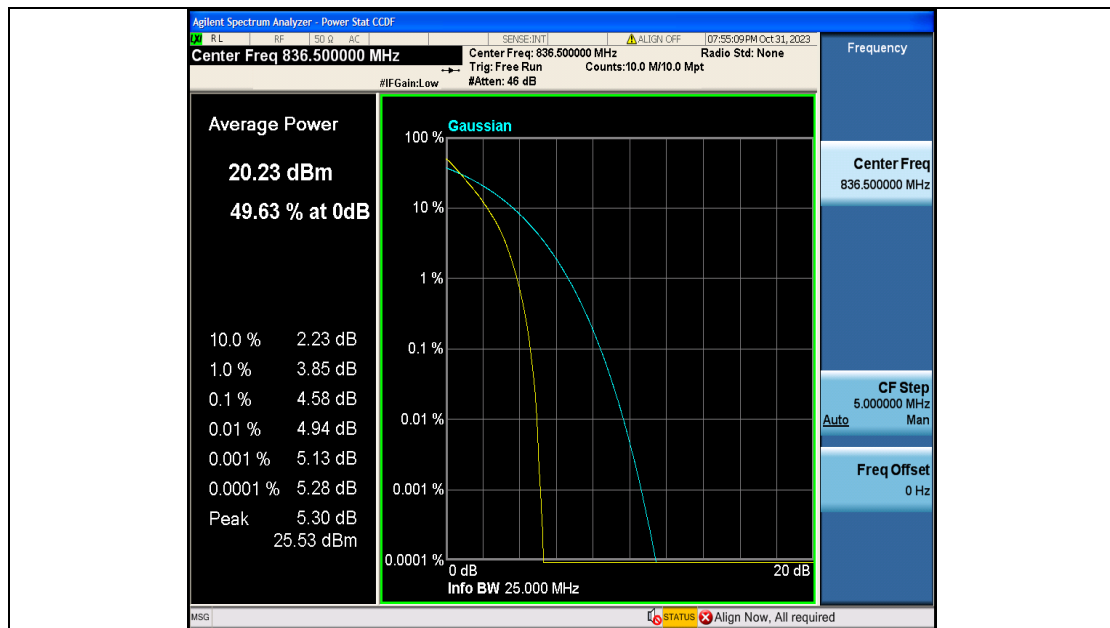




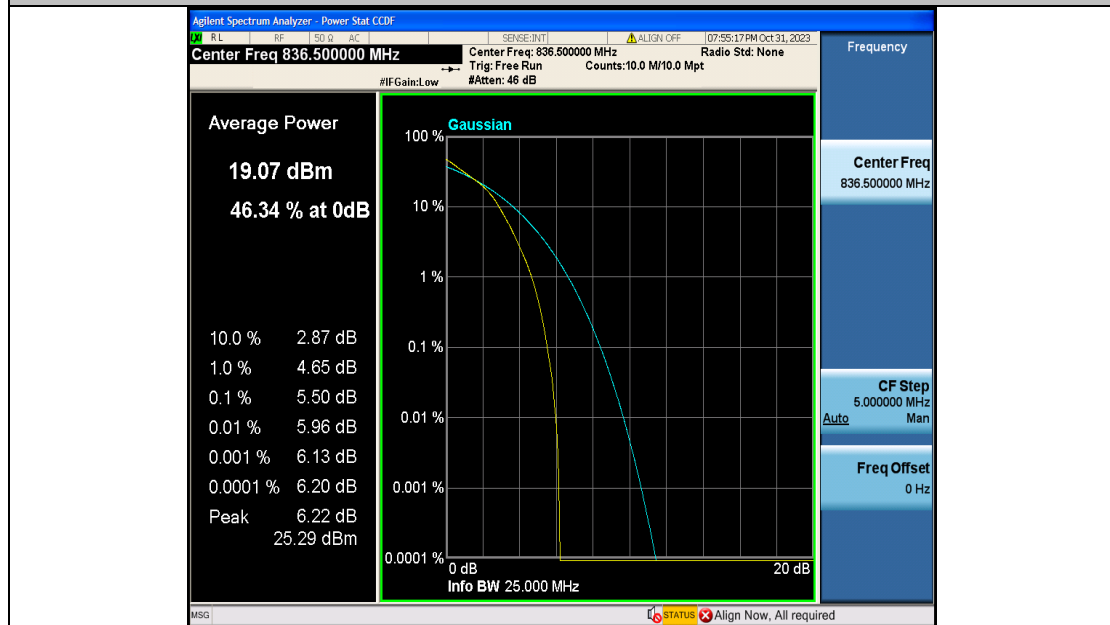
Band5-10MHz-QPSK-20450-50RB#0-PASS



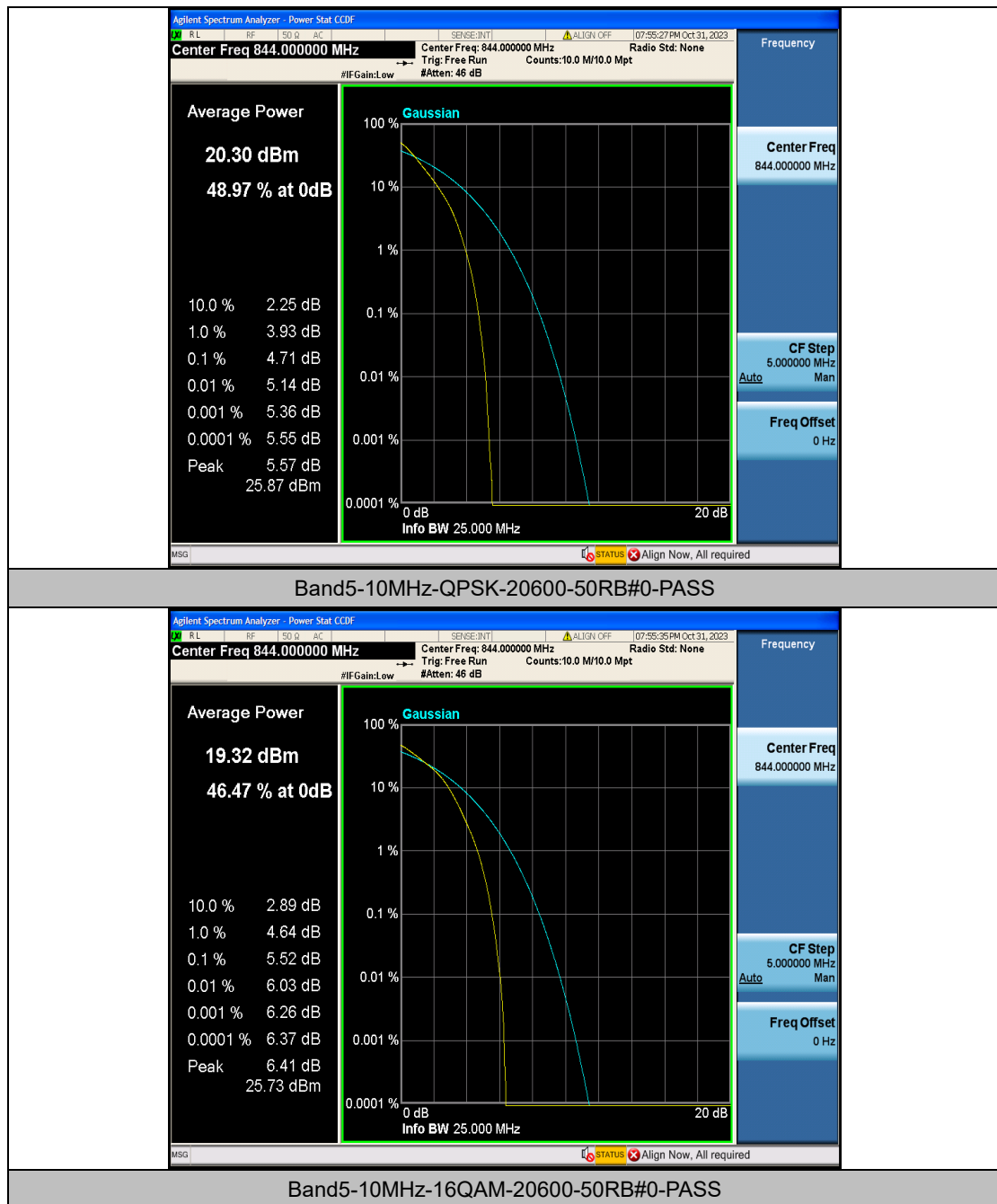
Band5-10MHz-16QAM-20450-50RB#0-PASS



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



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

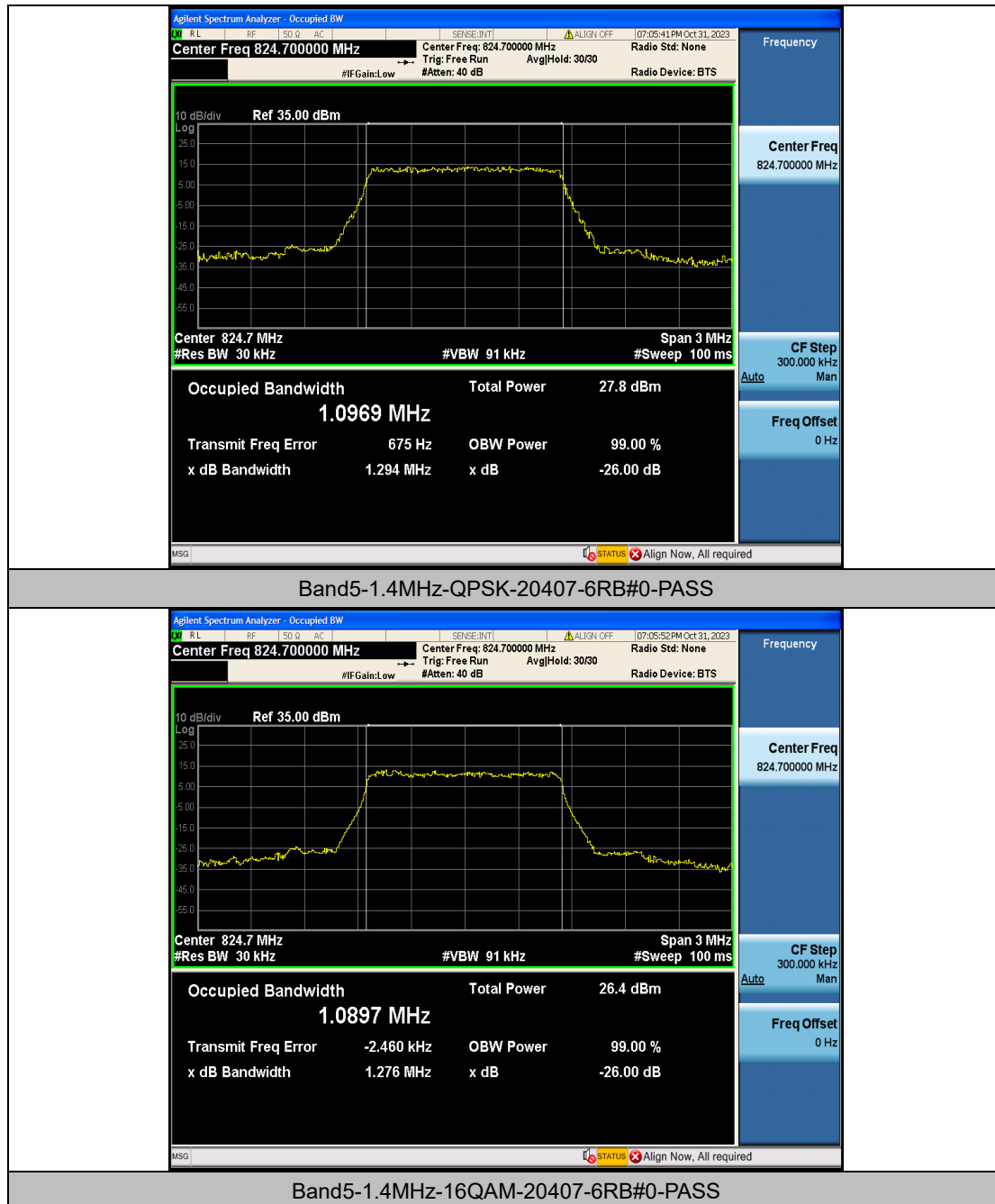


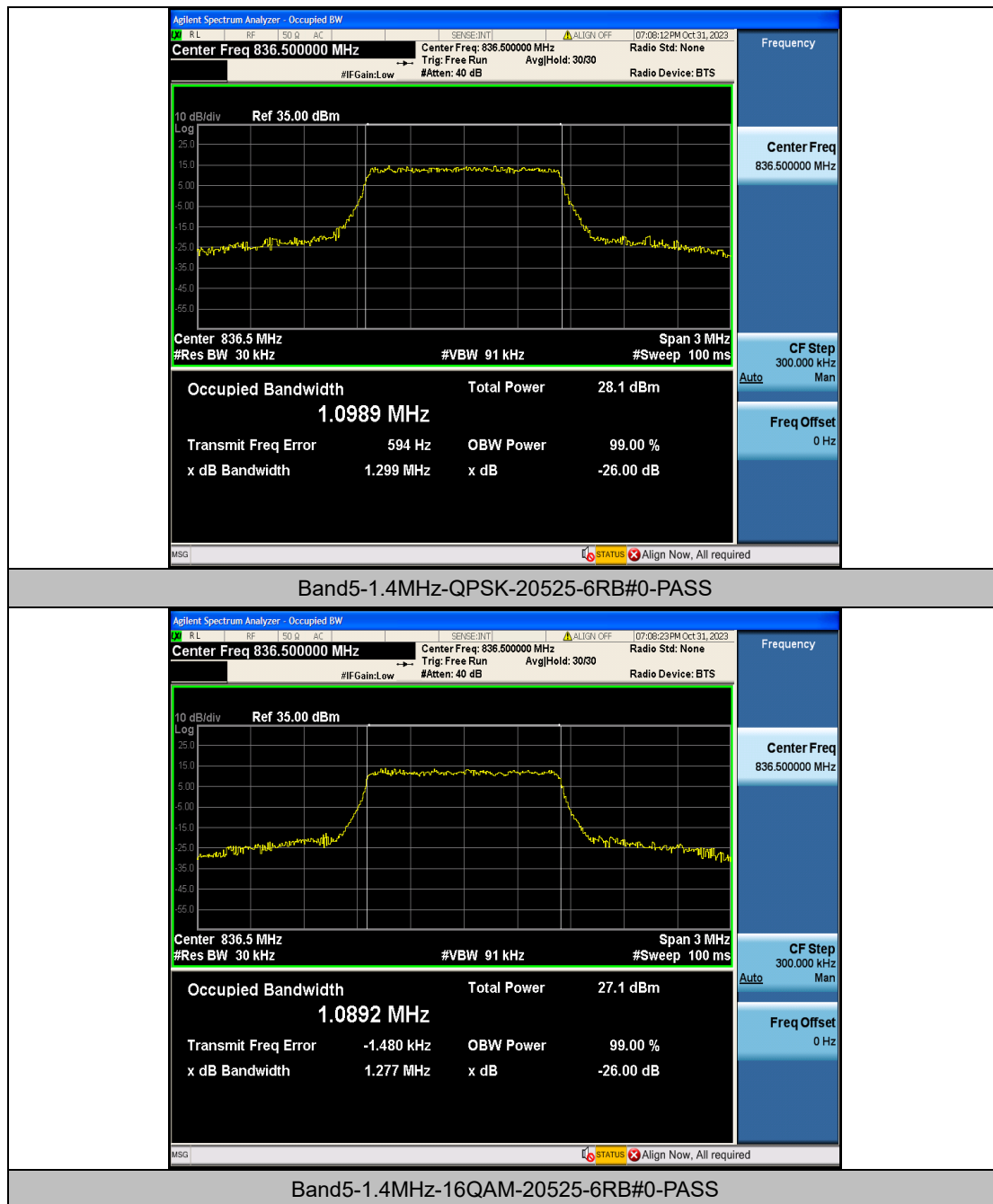
Appendix C: 26dB Bandwidth and Occupied Bandwidth

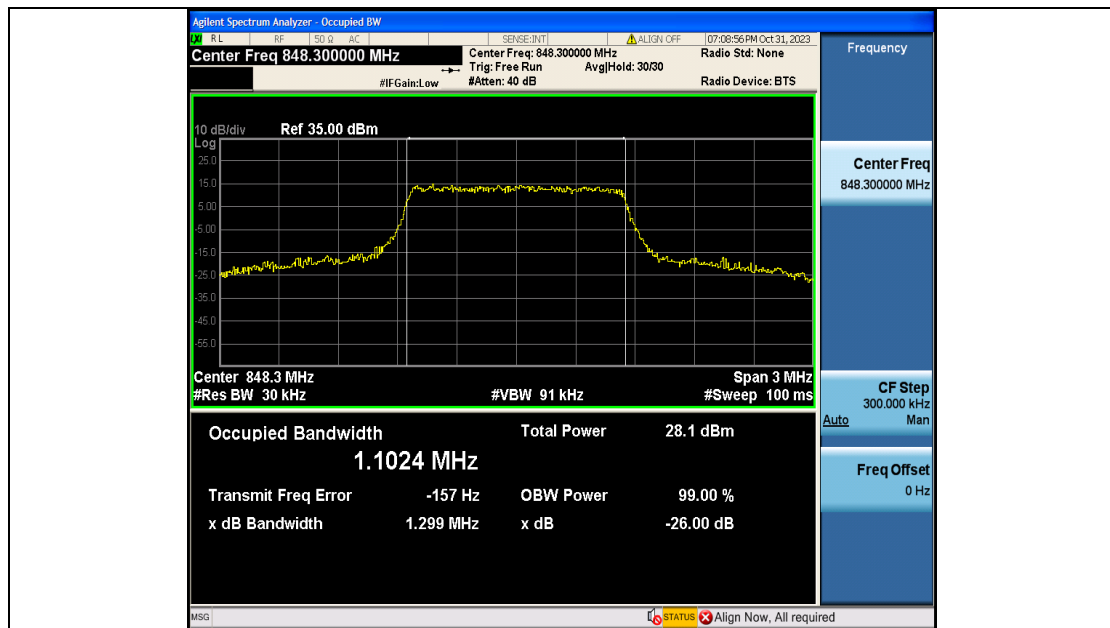
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0969	1.294	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0897	1.276	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0989	1.299	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0892	1.277	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1024	1.299	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0923	1.281	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7007	2.965	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6935	2.965	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7013	2.957	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6898	2.962	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7030	2.966	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6937	2.973	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5048	5.011	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4978	4.973	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5029	5.010	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4961	4.956	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5035	5.015	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4946	4.965	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9815	9.913	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9631	9.861	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9606	9.901	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9635	9.852	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9425	9.883	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9476	9.843	PASS

Test Graphs



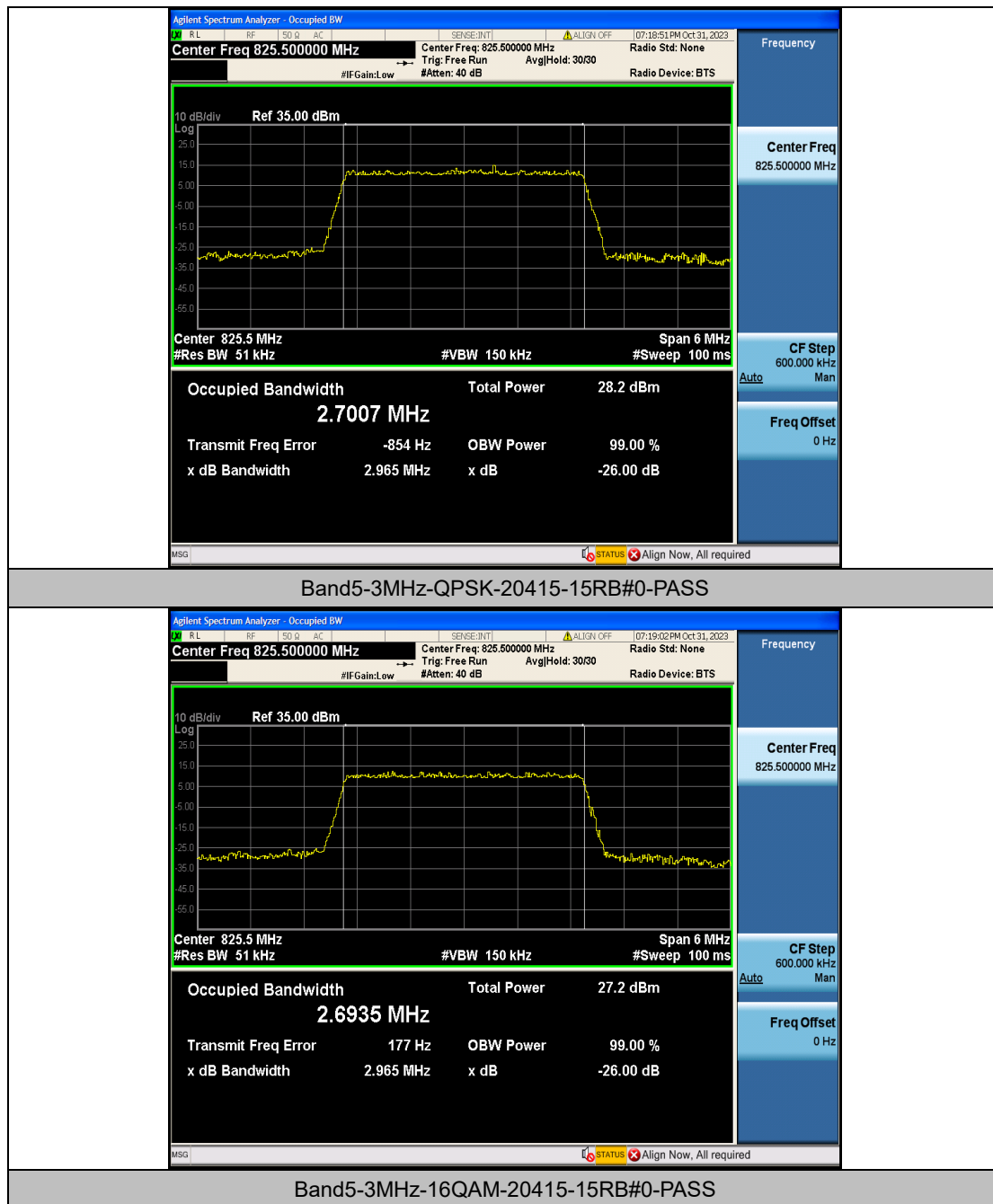


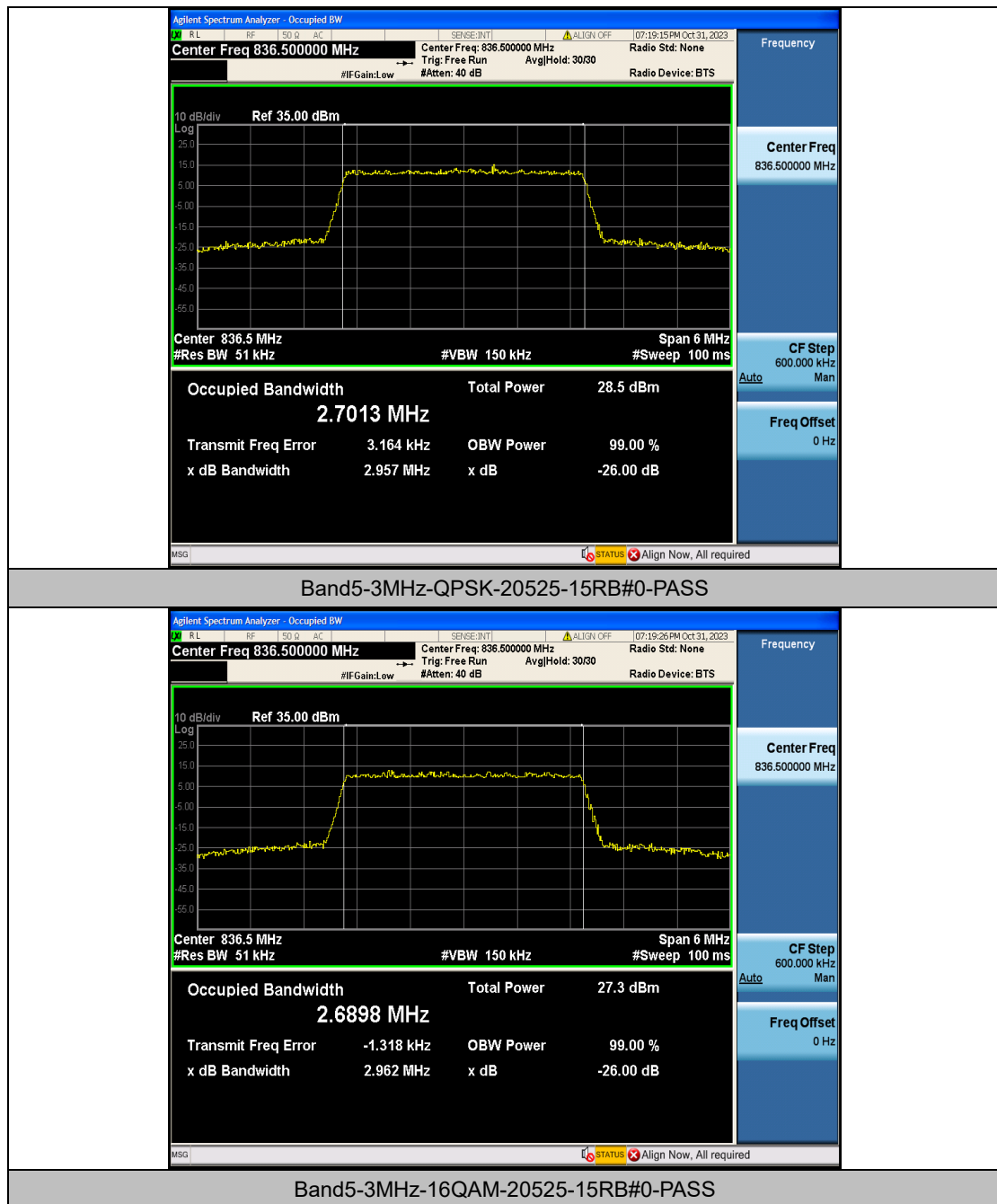


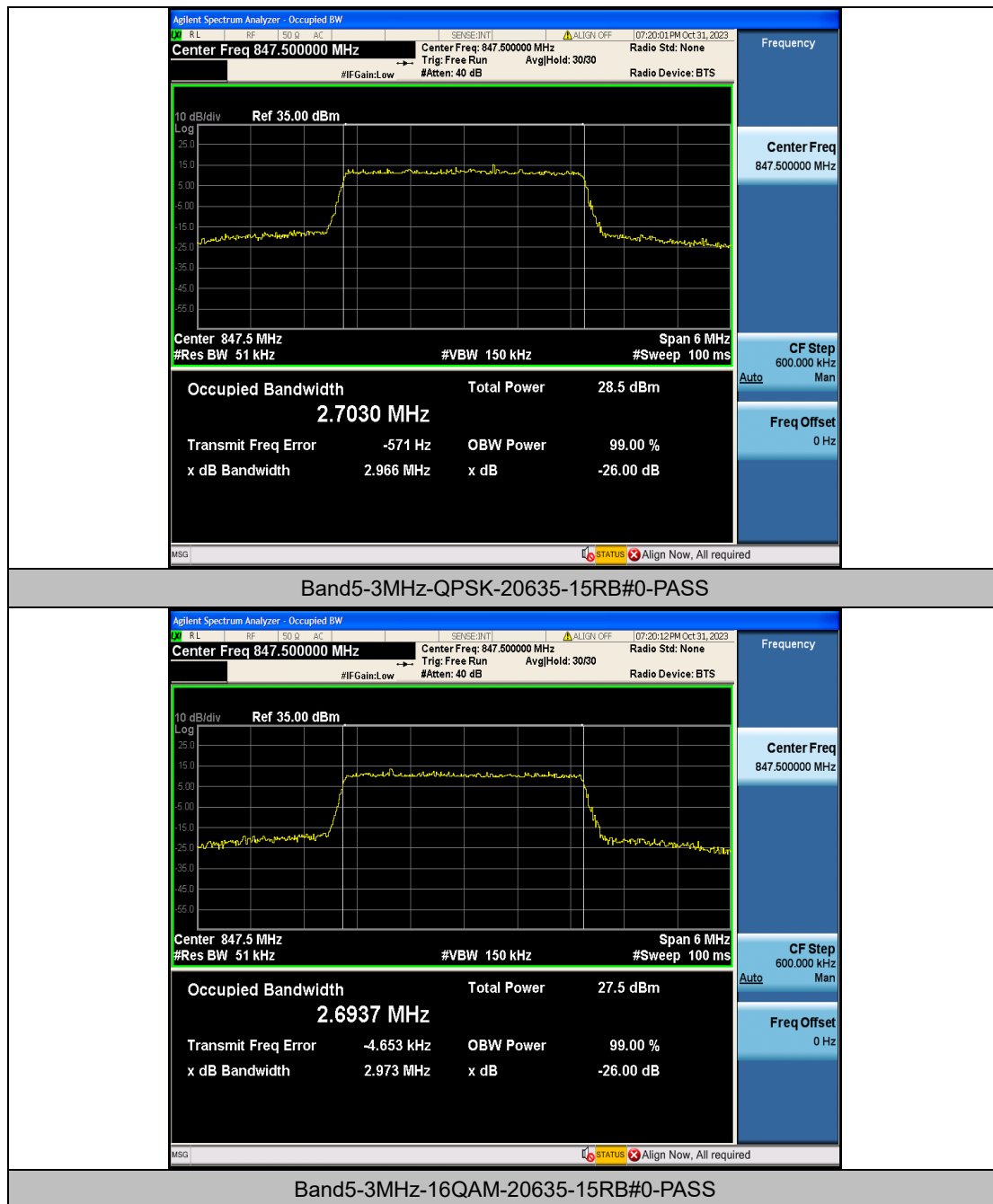
Band5-1.4MHz-QPSK-20643-6RB#0-PASS

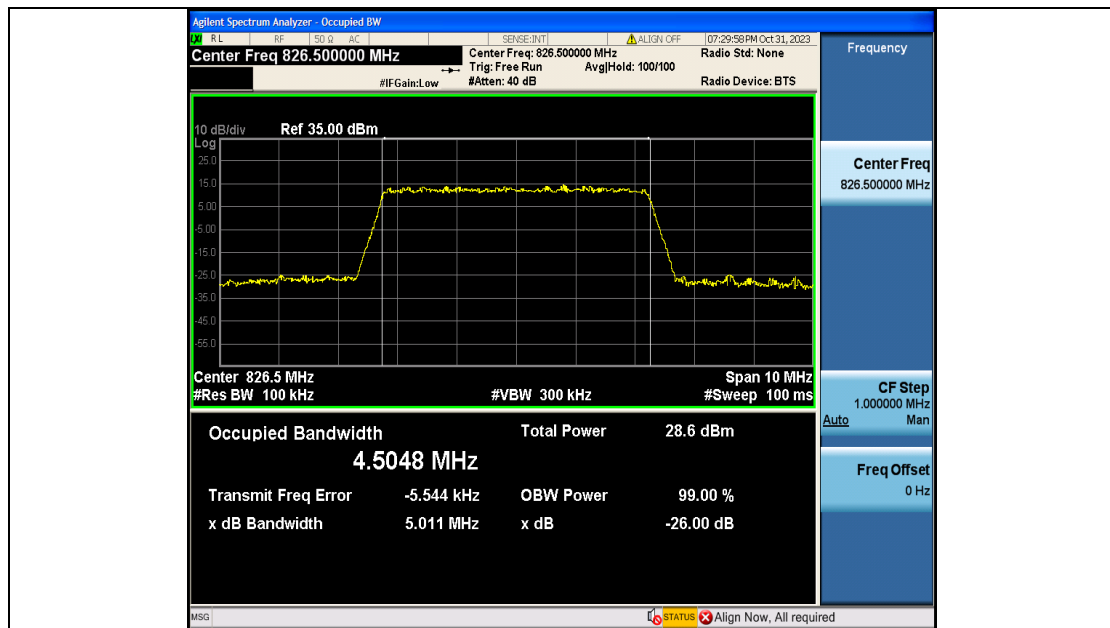


Band5-1.4MHz-16QAM-20643-6RB#0-PASS

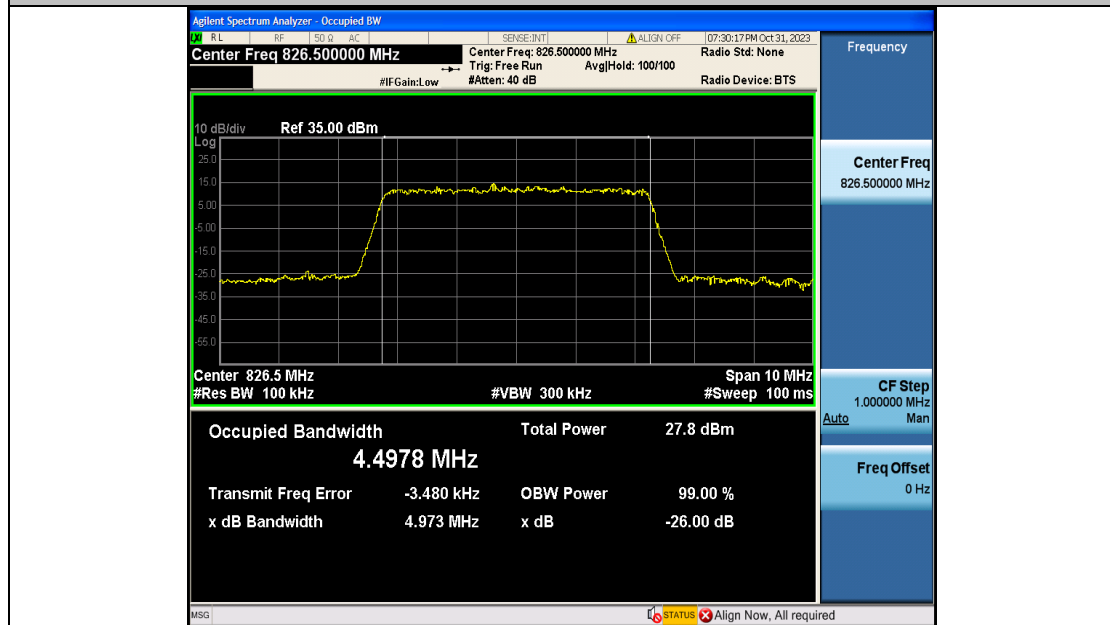




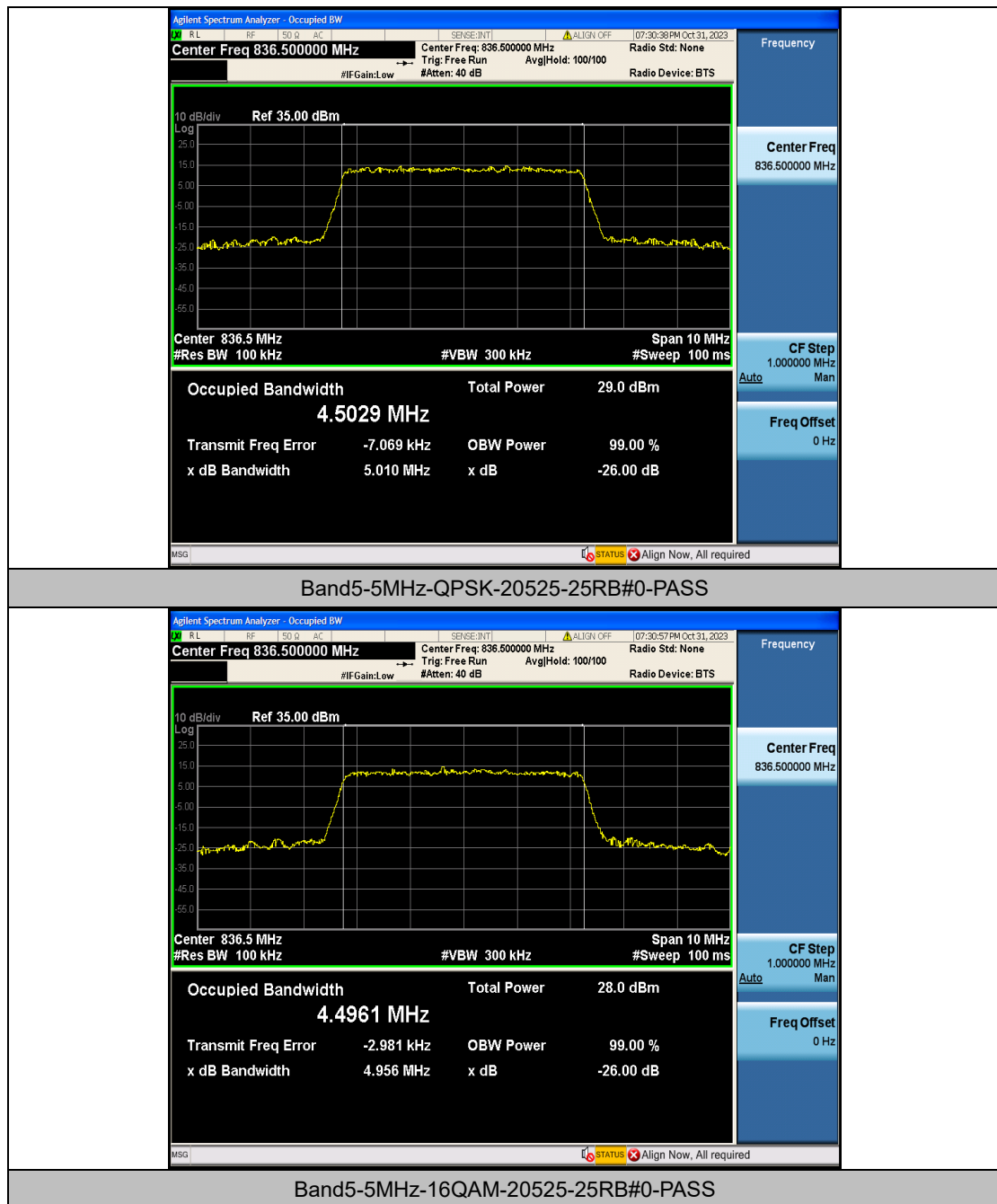


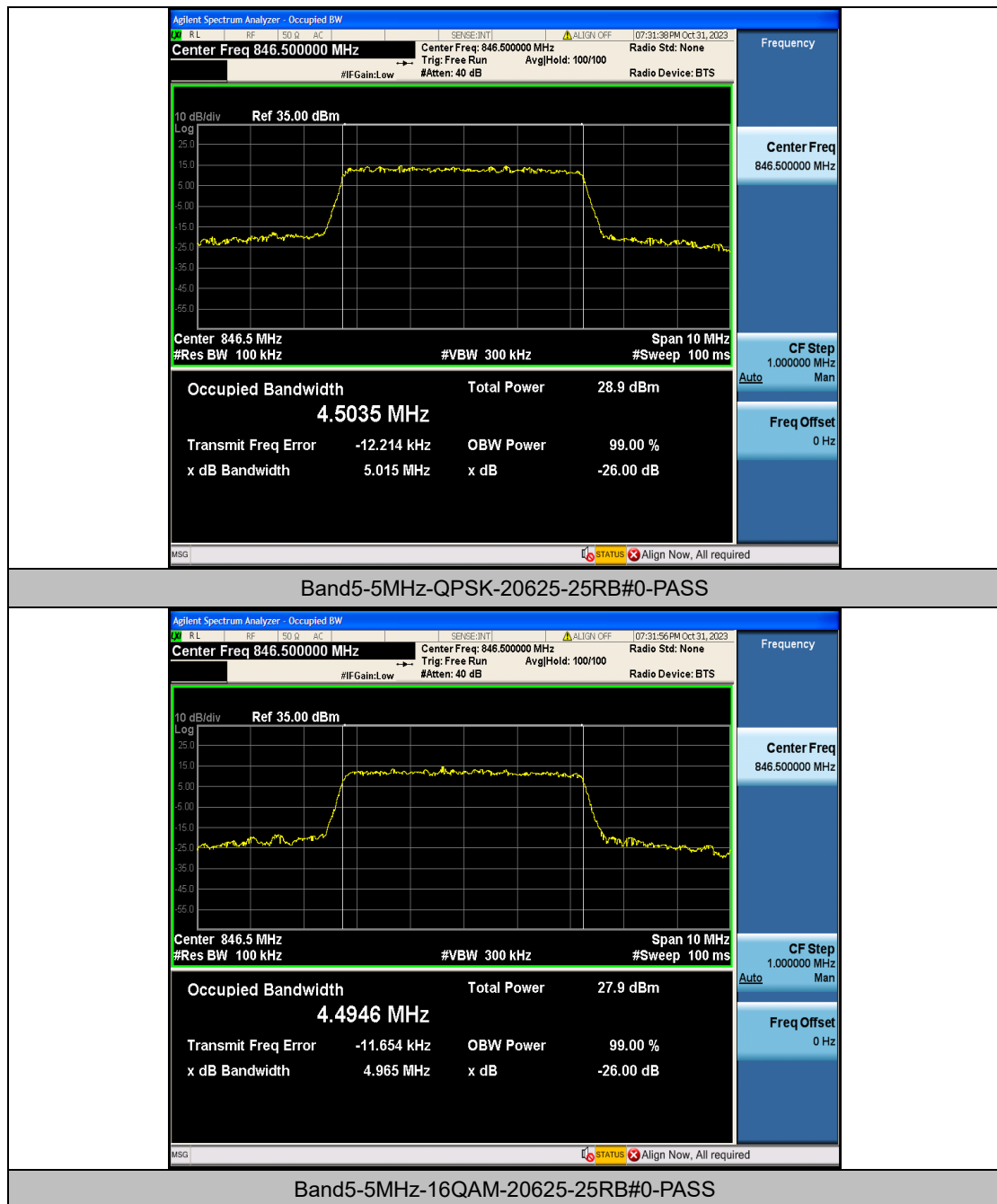


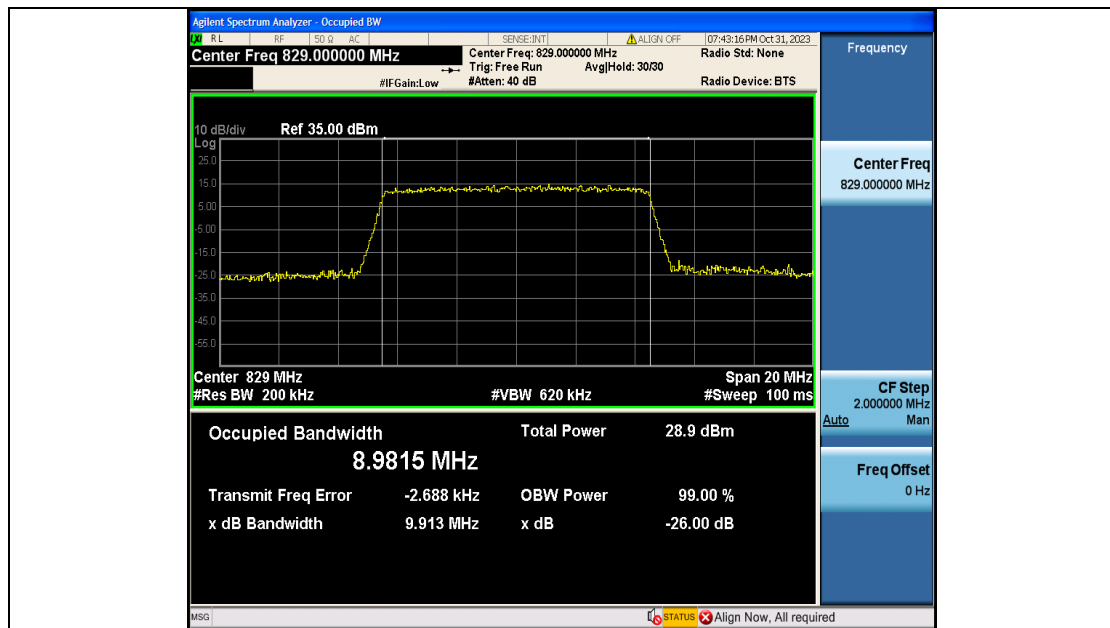
Band5-5MHz-QPSK-20425-25RB#0-PASS



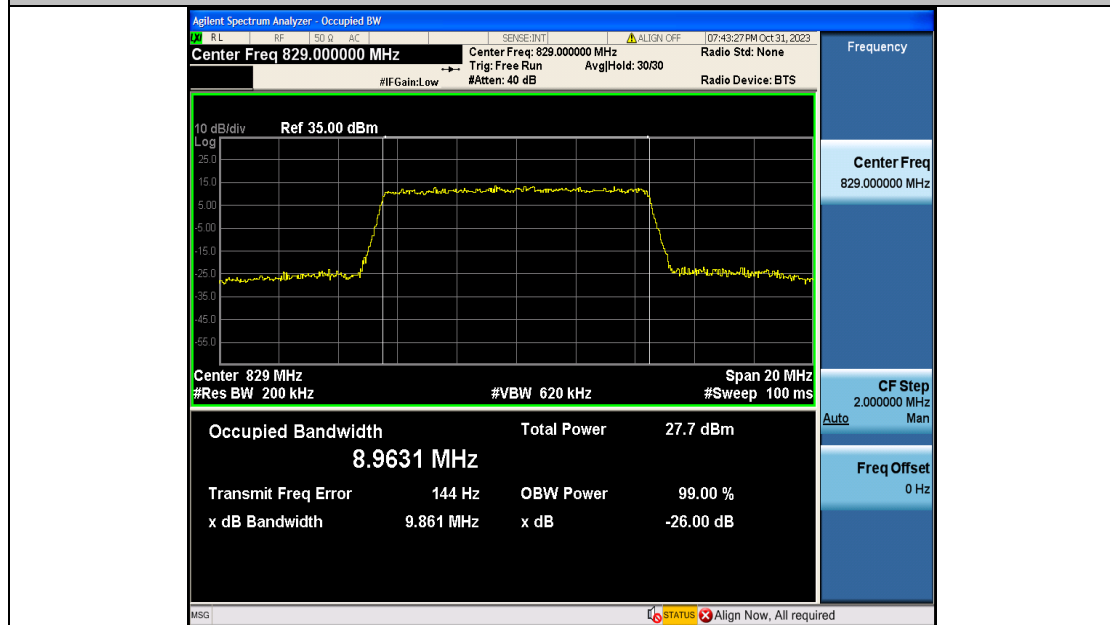
Band5-5MHz-16QAM-20425-25RB#0-PASS



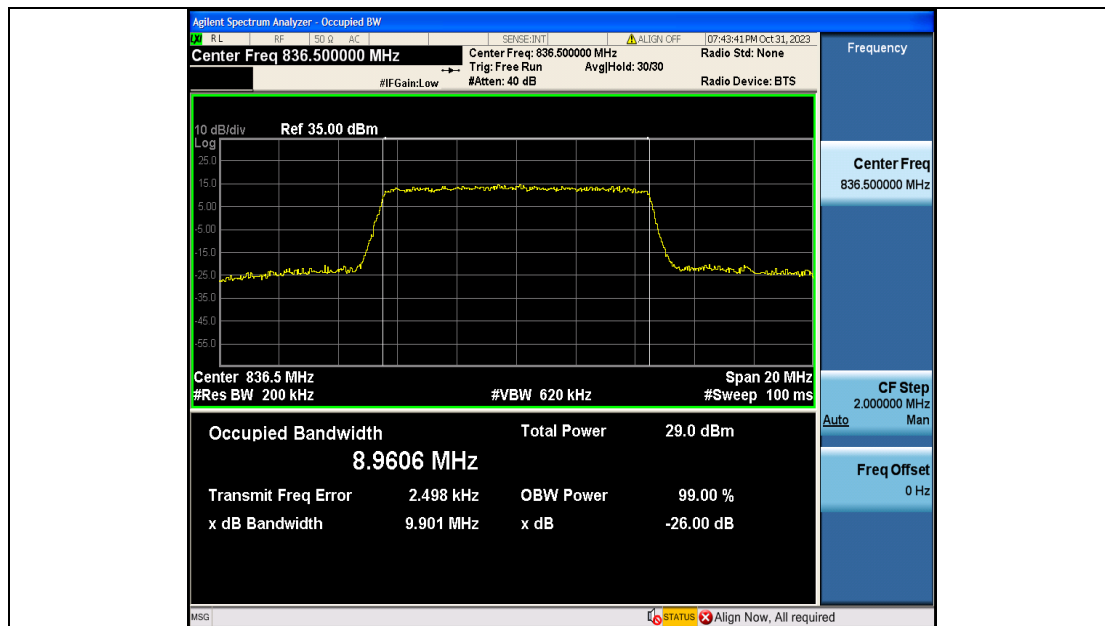




Band5-10MHz-QPSK-20450-50RB#0-PASS



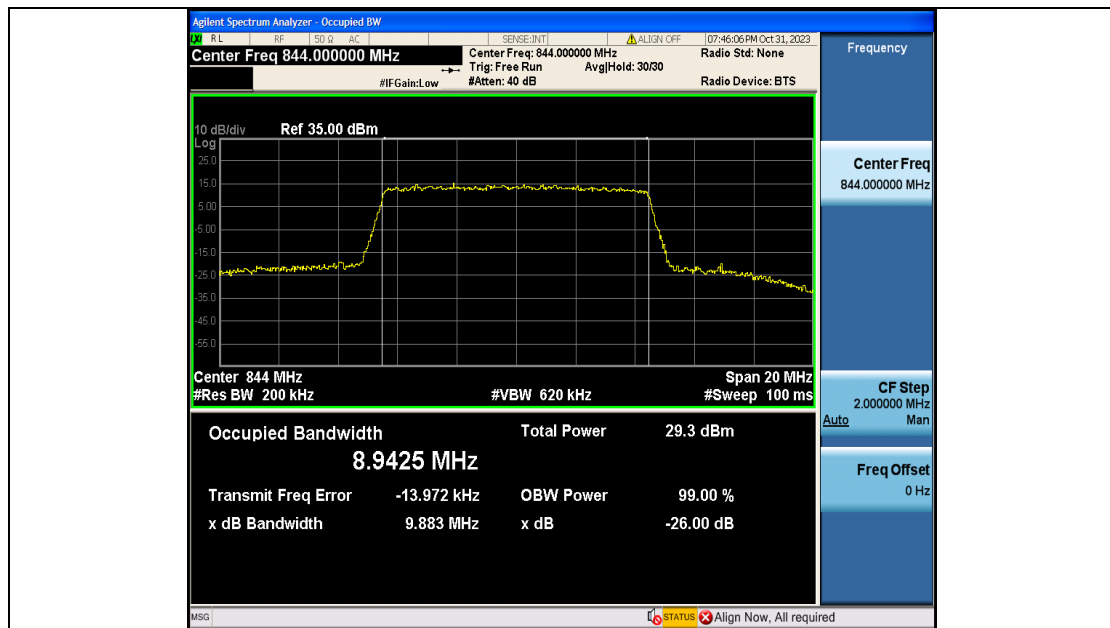
Band5-10MHz-16QAM-20450-50RB#0-PASS



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



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



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



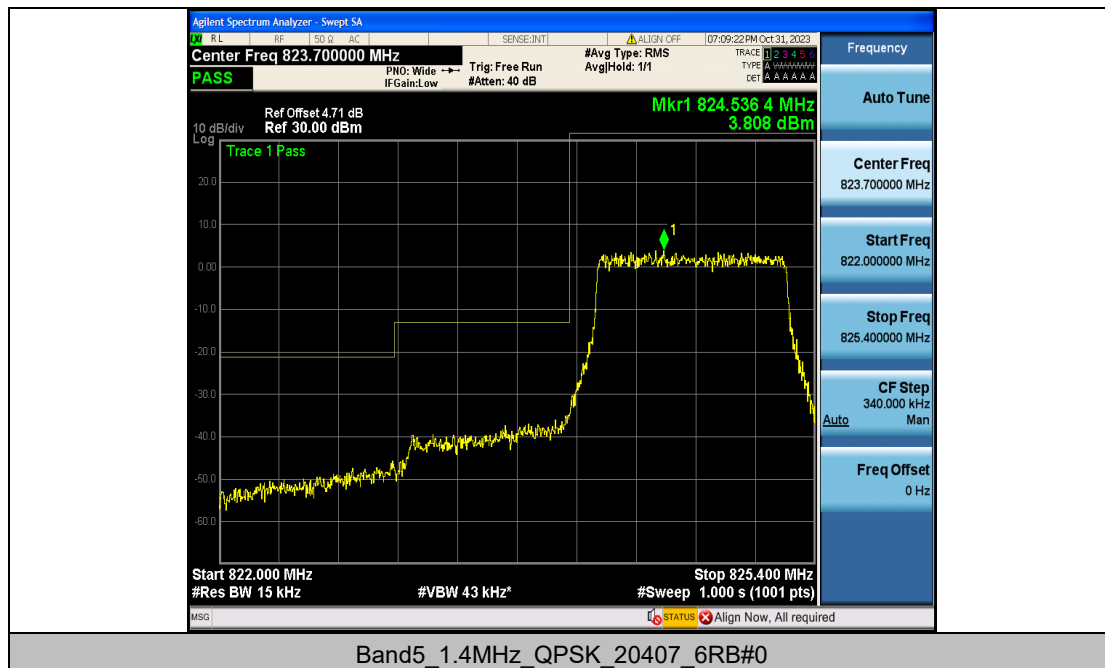
Band5-10MHz-16QAM-20600-50RB#0-PASS

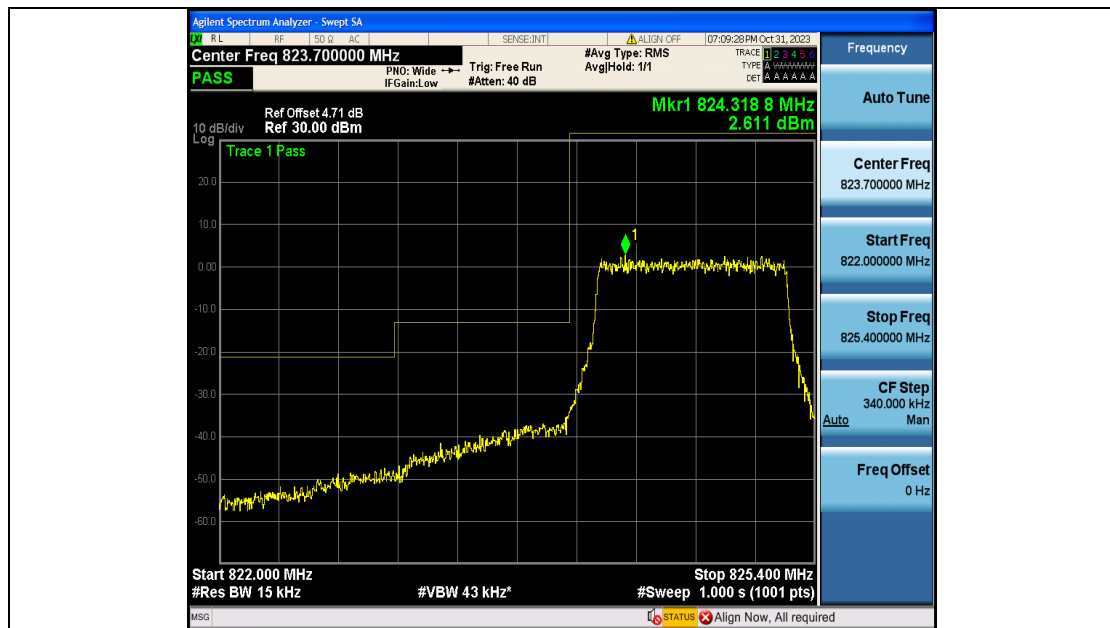
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	PASS
Band5	3MHz	QPSK	20415	15RB#0	PASS
Band5	3MHz	16QAM	20415	15RB#0	PASS
Band5	3MHz	QPSK	20635	15RB#0	PASS
Band5	3MHz	16QAM	20635	15RB#0	PASS
Band5	5MHz	QPSK	20425	25RB#0	PASS
Band5	5MHz	16QAM	20425	25RB#0	PASS
Band5	5MHz	QPSK	20625	25RB#0	PASS
Band5	5MHz	16QAM	20625	25RB#0	PASS
Band5	10MHz	QPSK	20450	50RB#0	PASS
Band5	10MHz	16QAM	20450	50RB#0	PASS
Band5	10MHz	QPSK	20600	50RB#0	PASS
Band5	10MHz	16QAM	20600	50RB#0	PASS

Test Graphs





Band5_1.4MHz_16QAM_20407_6RB#0



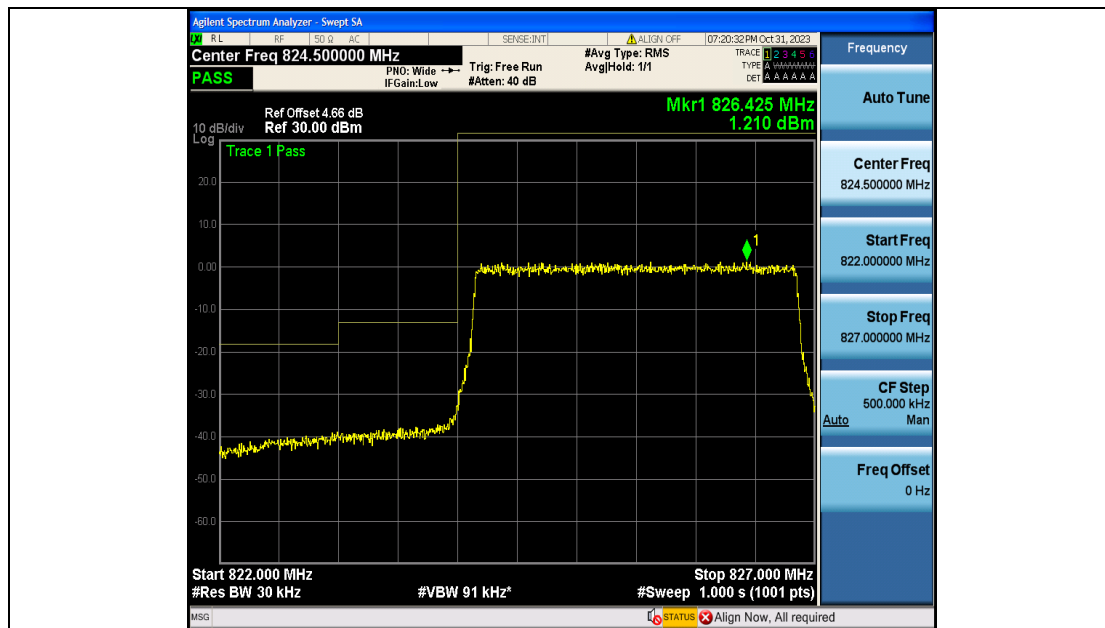
Band5_1.4MHz_QPSK_20643_6RB#0



Band5_1.4MHz_16QAM_20643_6RB#0



Band5_3MHz_QPSK_20415_15RB#0



Band5_3MHz_16QAM_20415_15RB#0



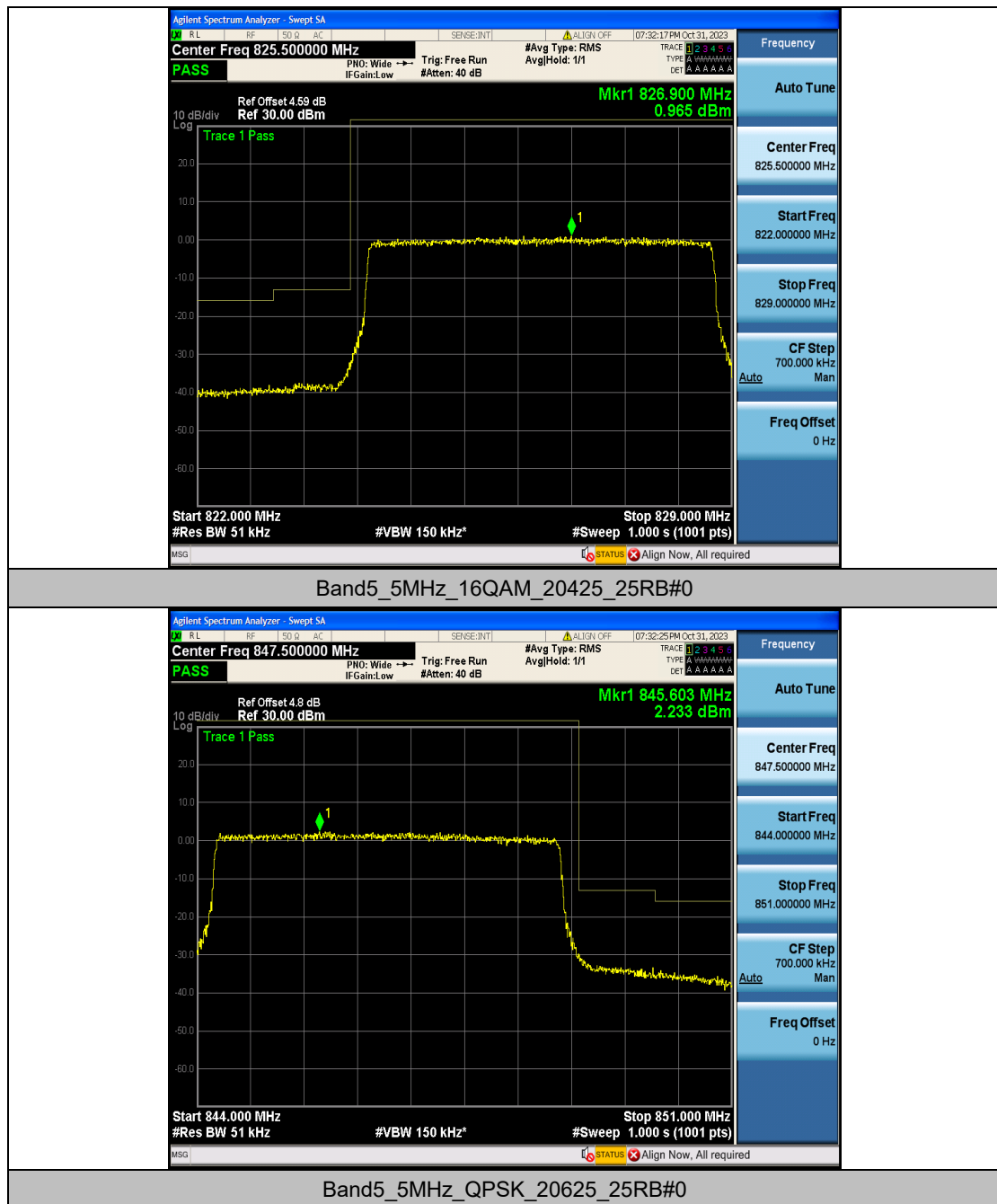
Band5_3MHz_QPSK_20635_15RB#0



Band5_3MHz_16QAM_20635_15RB#0



Band5_5MHz_QPSK_20425_25RB#0

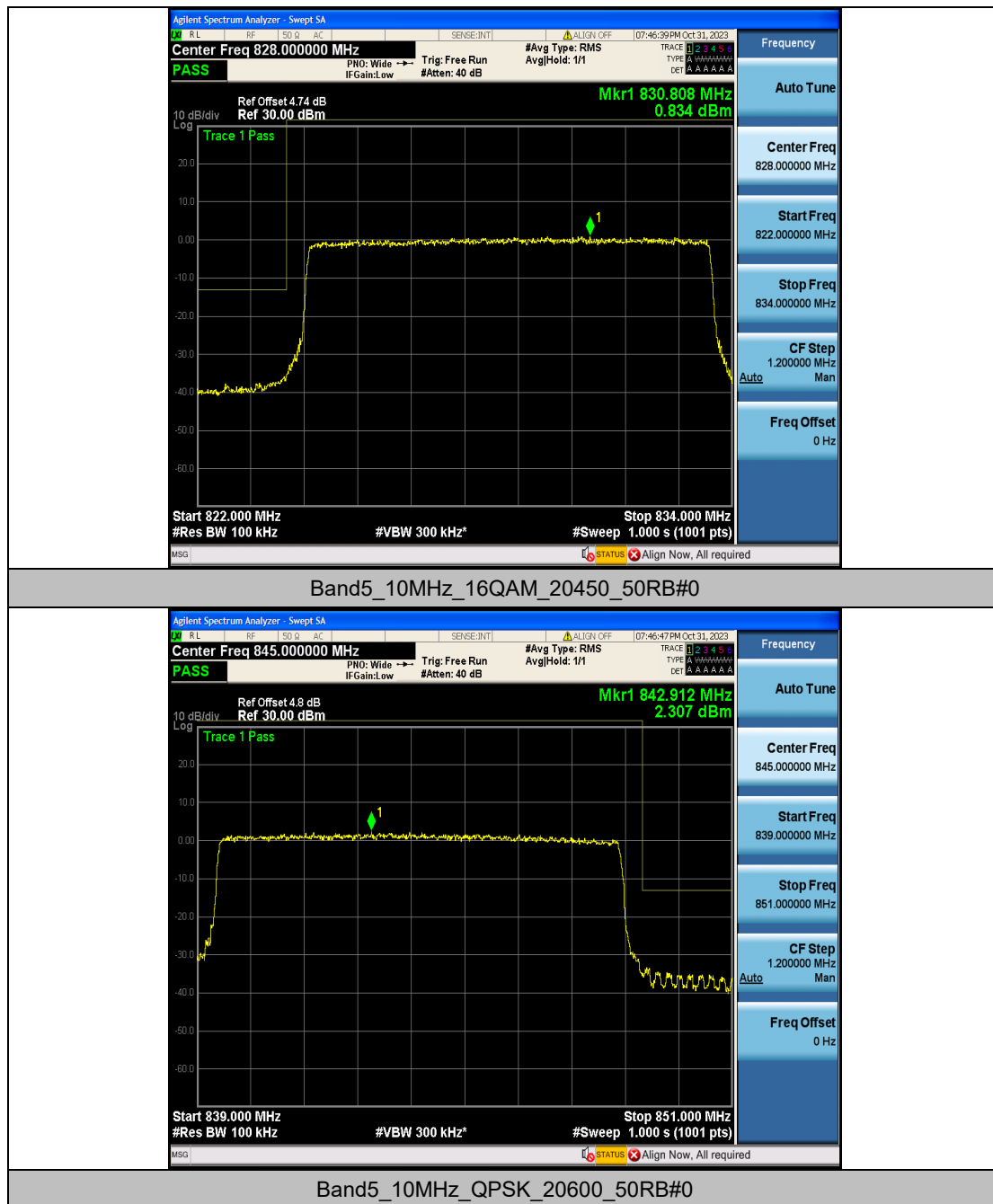


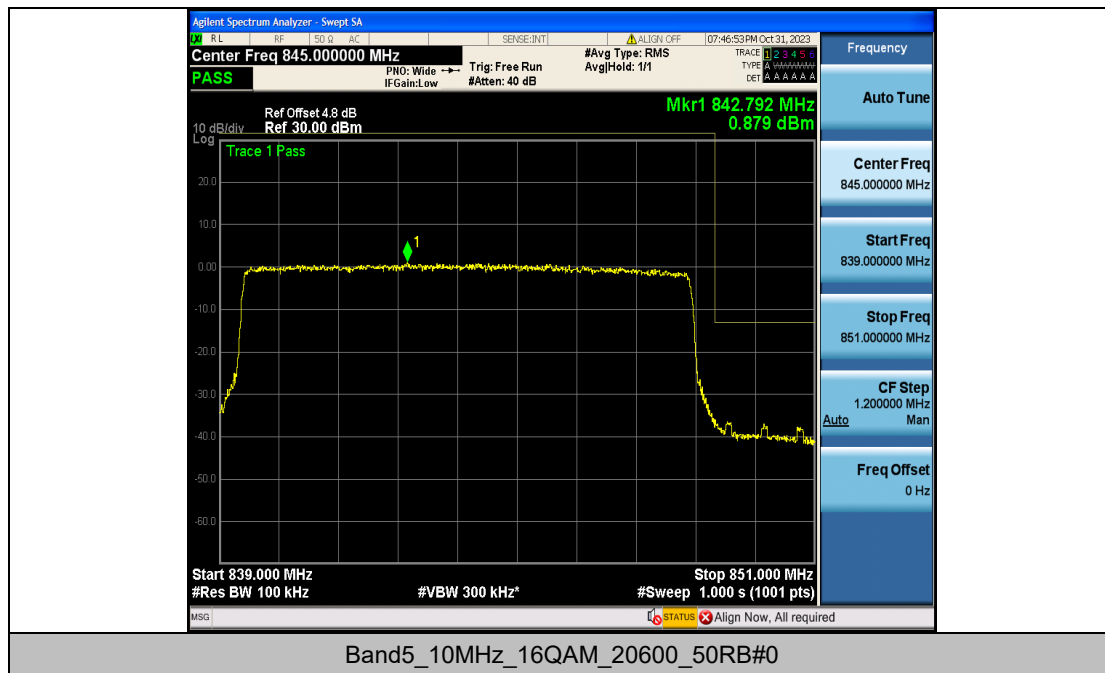


Band5_5MHz_16QAM_20625_25RB#0



Band5_10MHz_QPSK_20450_50RB#0





Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-45.94	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-60.01	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-49.44	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-49.84	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-50.95	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-46.61	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-57.79	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-53.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-51.60	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-51.01	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-48.42	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-59.92	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-53.66	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-50.61	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-50.88	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-47.79	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-59.25	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-56.48	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-51.27	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-50.65	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-48.88	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-58.58	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-50.07	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-50.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-50.78	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-45.46	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-58.13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-52.29	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-52.37	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-50.82	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-47.16	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-58.67	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-51.71	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-53.01	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-50.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-47.18	PASS

Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-59.96	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-53.32	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-52.69	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-50.36	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-45.10	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-57.64	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-53.80	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-53.04	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-50.64	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-44.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-57.53	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-55.47	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-52.56	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-51.06	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-49.32	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-58.80	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-52.77	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-52.86	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-50.66	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-51.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-59.62	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-53.10	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-52.61	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-50.80	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-48.01	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-60.84	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-52.97	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-52.79	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-50.94	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-49.02	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-58.73	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-54.81	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-52.58	PASS
Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-50.95	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-45.81	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-57.90	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-55.75	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-52.72	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-50.56	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-48.29	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-57.31	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-57.49	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-52.93	PASS

Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-50.80	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-49.78	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-59.17	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-53.97	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-52.85	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-51.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-49.63	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-58.31	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-56.63	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-52.81	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-51.17	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-47.43	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-57.61	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-63.13	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-52.91	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-50.88	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-49.60	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-58.72	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-64.22	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-53.17	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-50.97	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-45.67	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-59.52	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-59.29	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-52.85	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-50.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-46.74	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-60.98	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-60.27	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-52.85	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-50.96	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-47.46	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-60.56	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-56.73	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-52.92	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-50.70	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-43.81	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-58.15	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-58.67	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-52.94	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-50.63	PASS

Test Graphs

