

LTE Band Test Data

FCC ID : 2A9LB-T30

IC : 29740-T30

Company: : Eugeria

EUT : Idem Smart Display

Model Number : T30

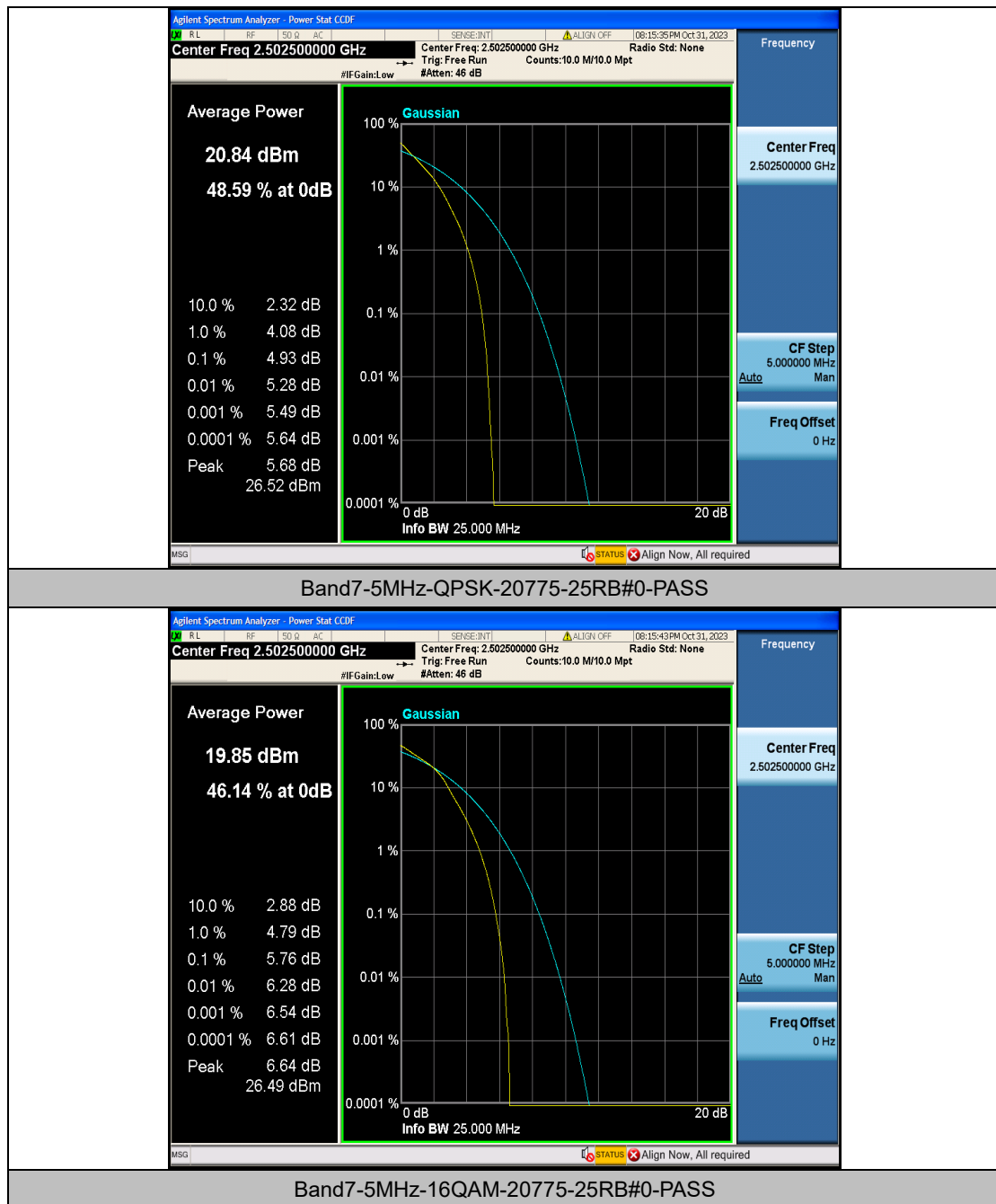
Reviewed By : Eric Wang

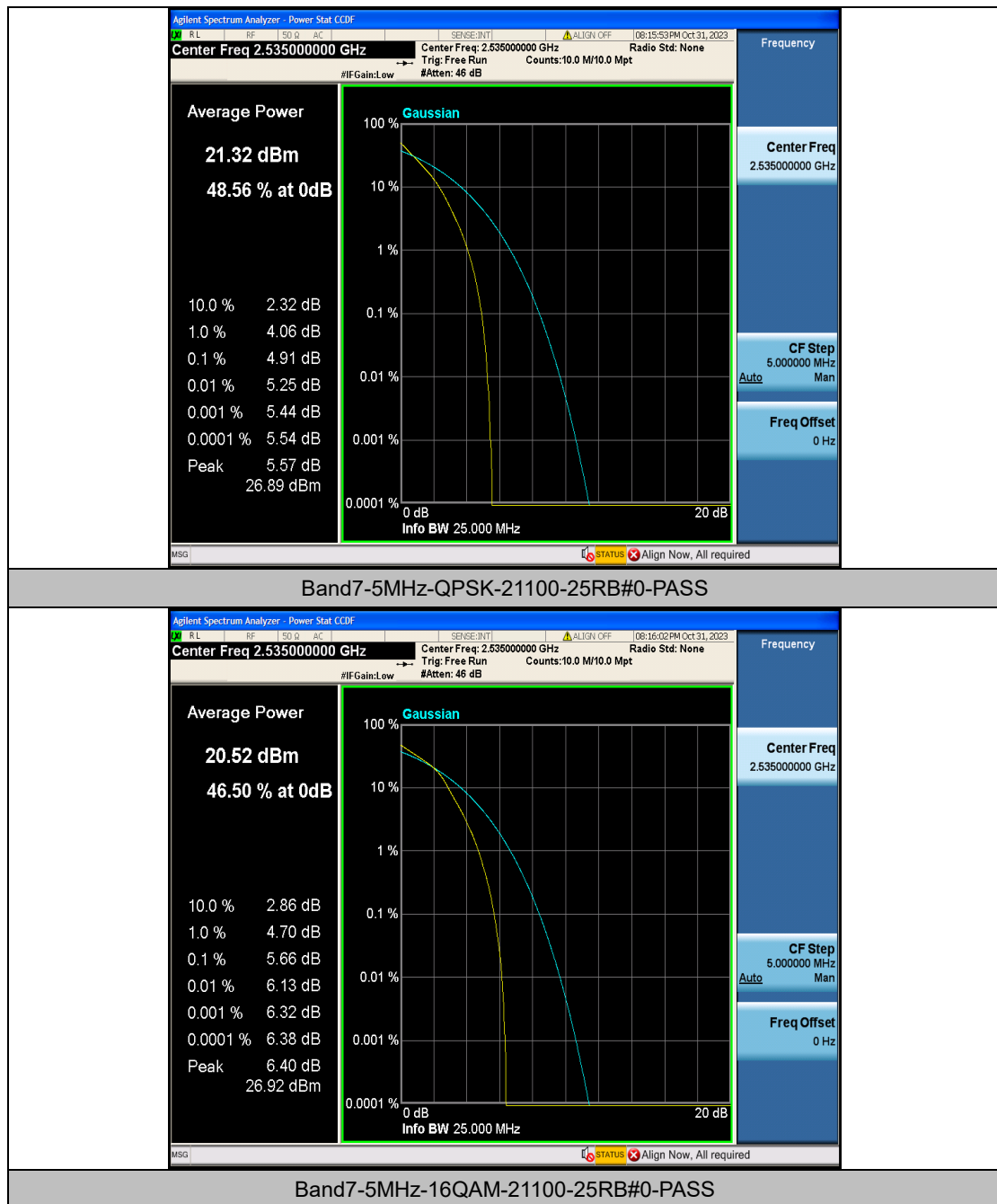
Appendix B: Peak-to-Average Ratio(CCDF)

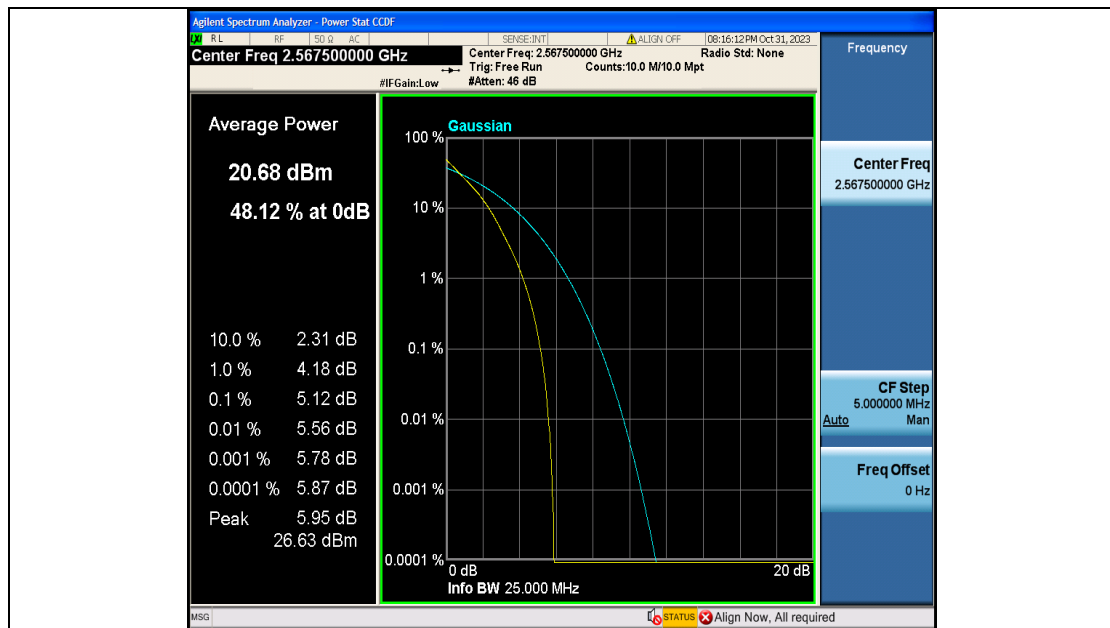
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.93	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.76	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.91	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.66	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.12	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.93	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.91	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.82	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.91	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.78	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.11	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.01	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.29	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.94	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.25	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.88	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.45	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.06	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.15	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.01	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.03	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.91	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.28	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.03	13	PASS

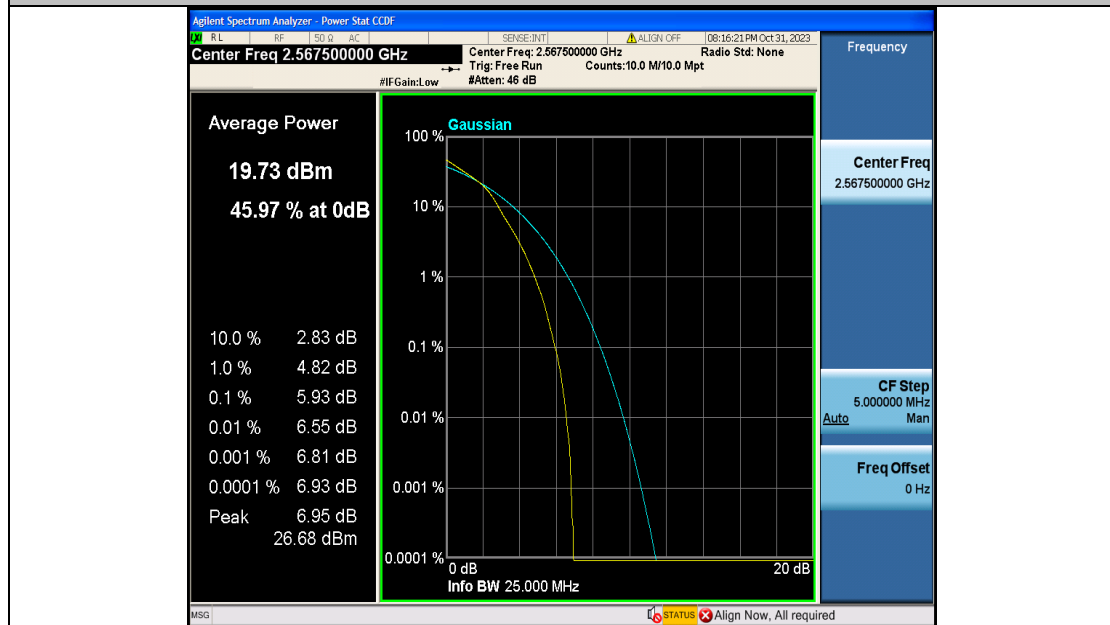
Test Graphs



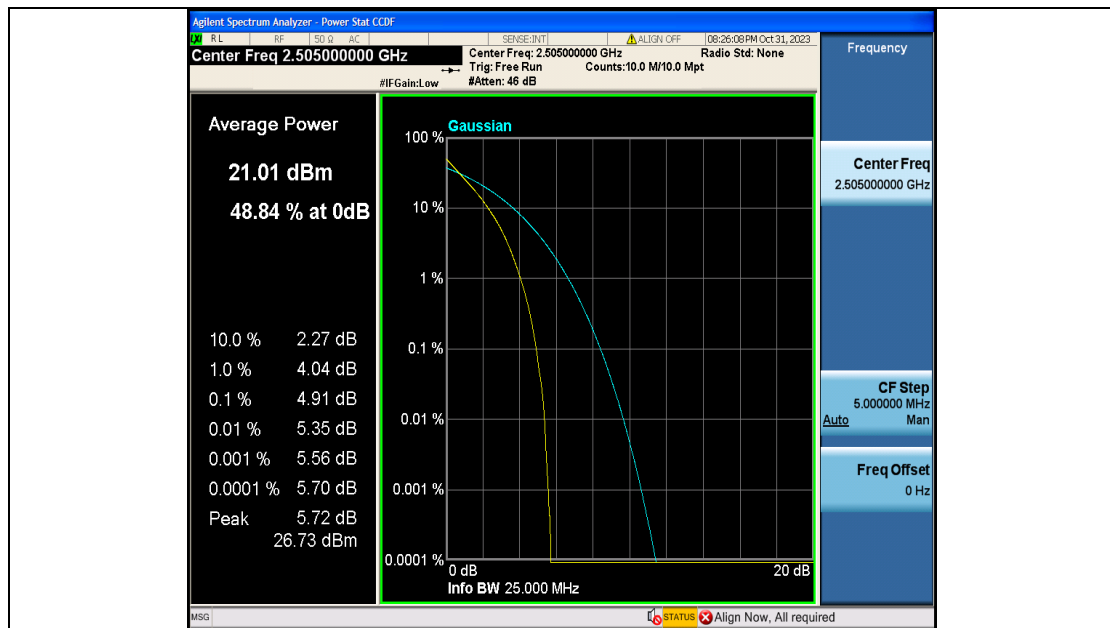




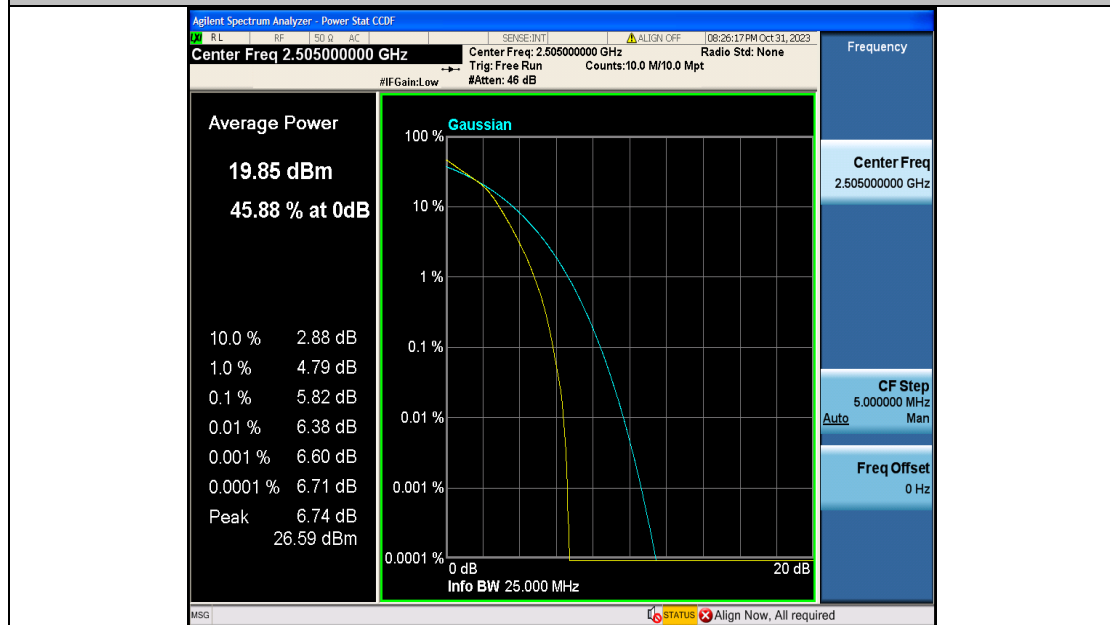
Band7-5MHz-QPSK-21425-25RB#0-PASS



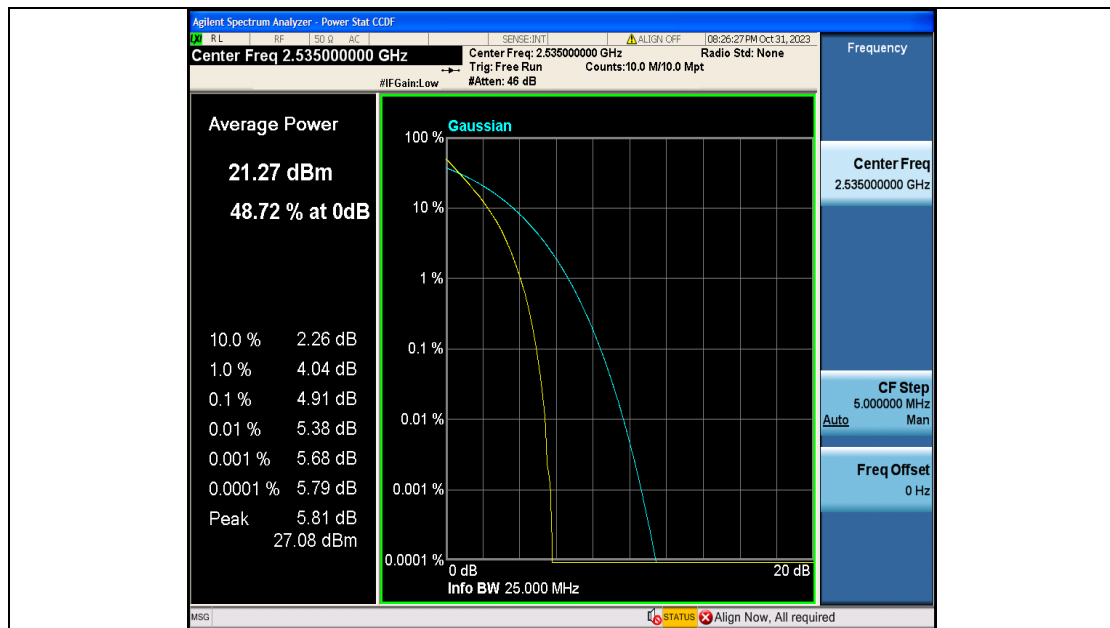
Band7-5MHz-16QAM-21425-25RB#0-PASS



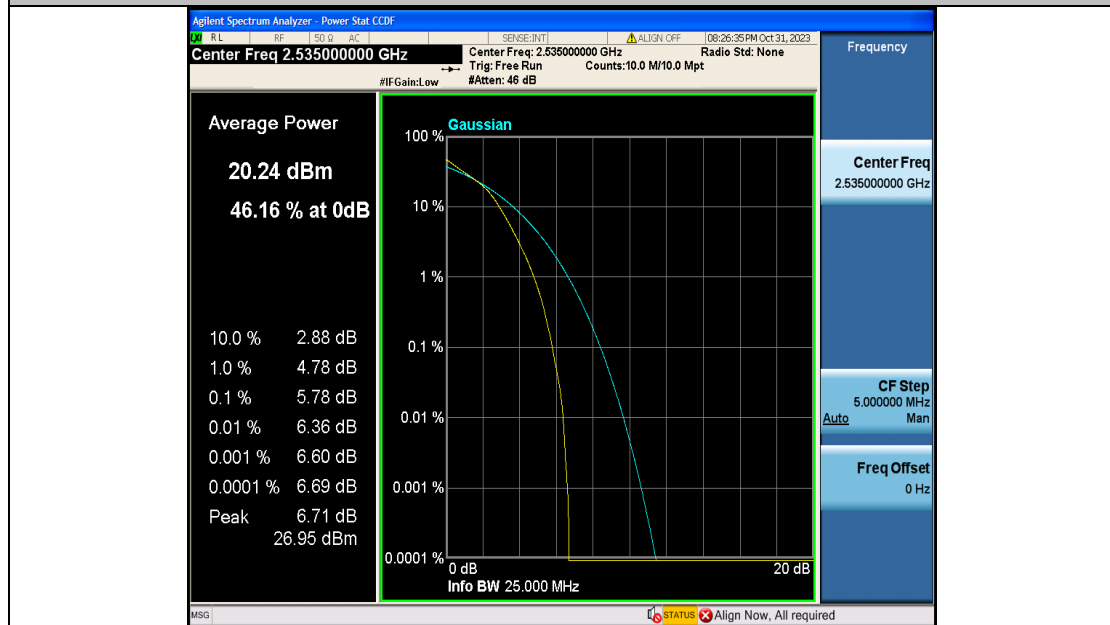
Band7-10MHz-QPSK-20800-50RB#0-PASS



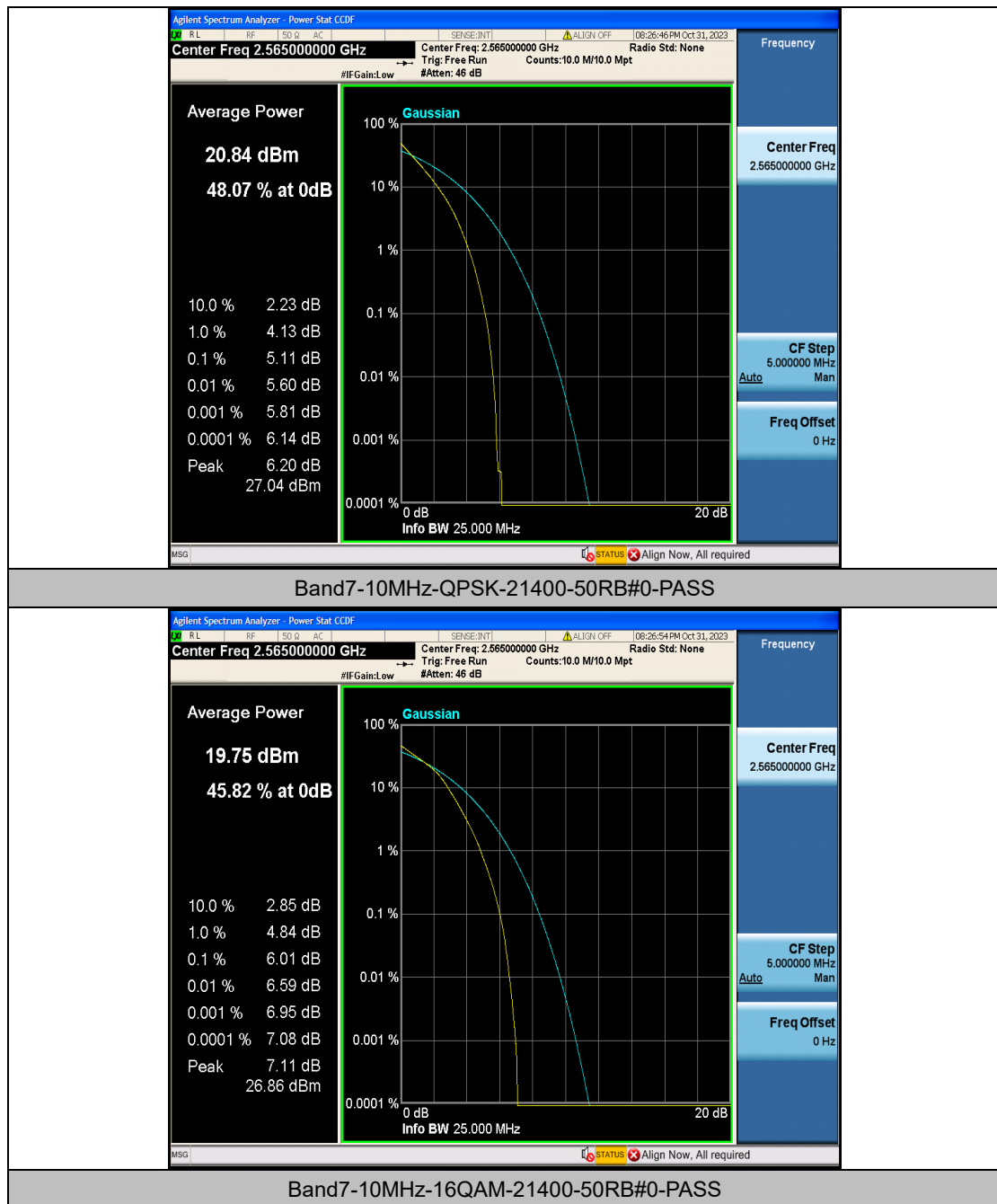
Band7-10MHz-16QAM-20800-50RB#0-PASS

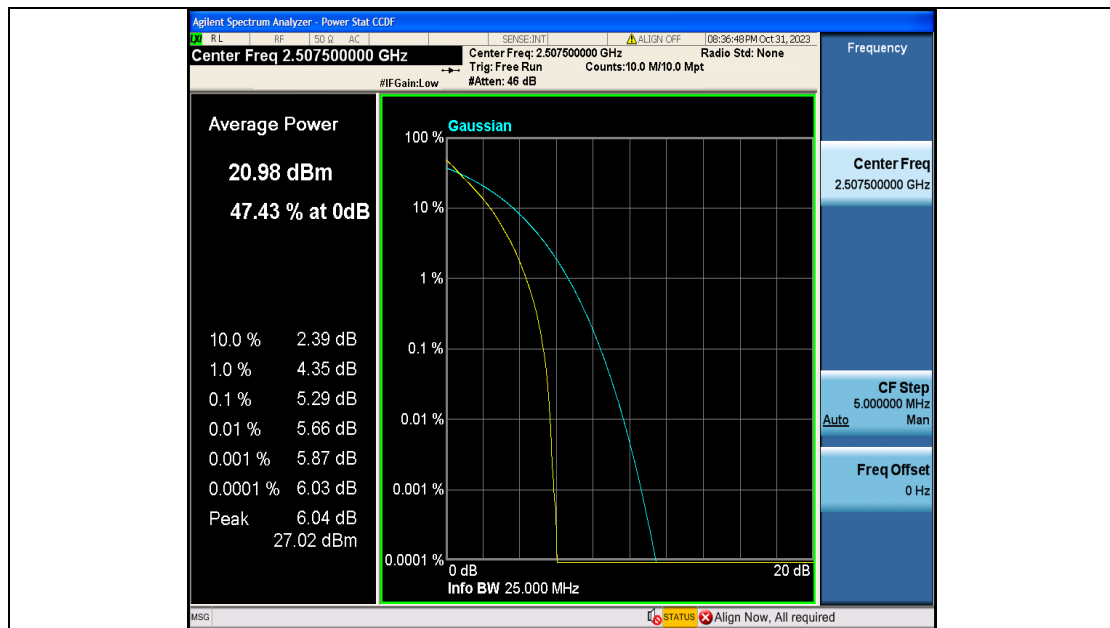


Band7-10MHz-QPSK-21100-50RB#0-PASS

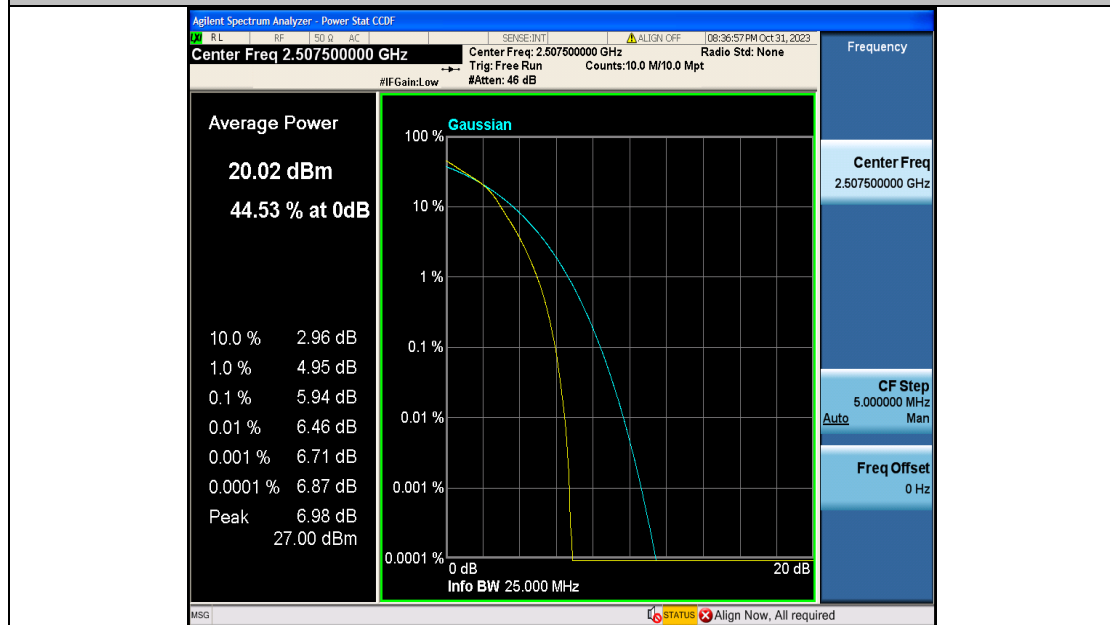


Band7-10MHz-16QAM-21100-50RB#0-PASS

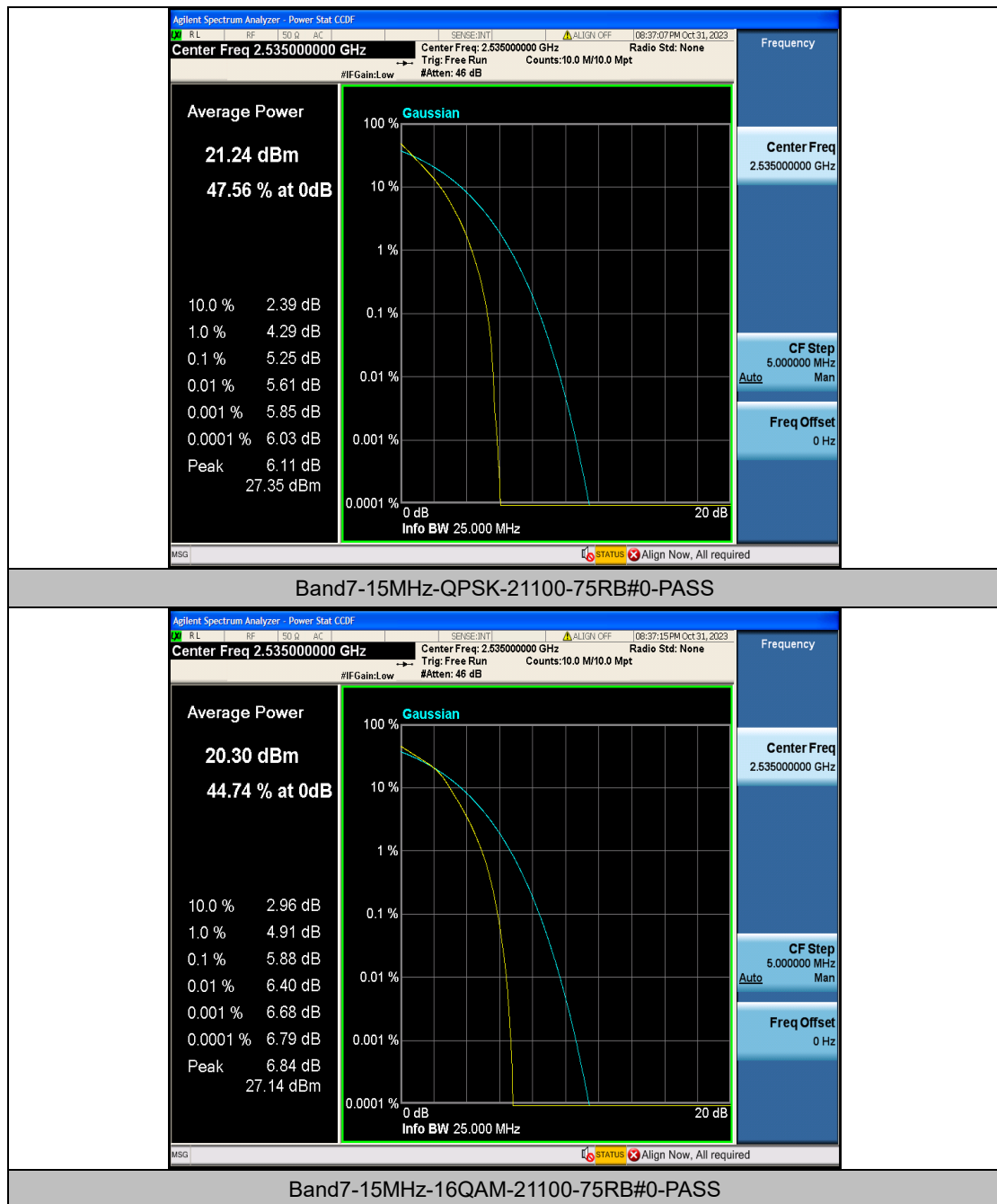


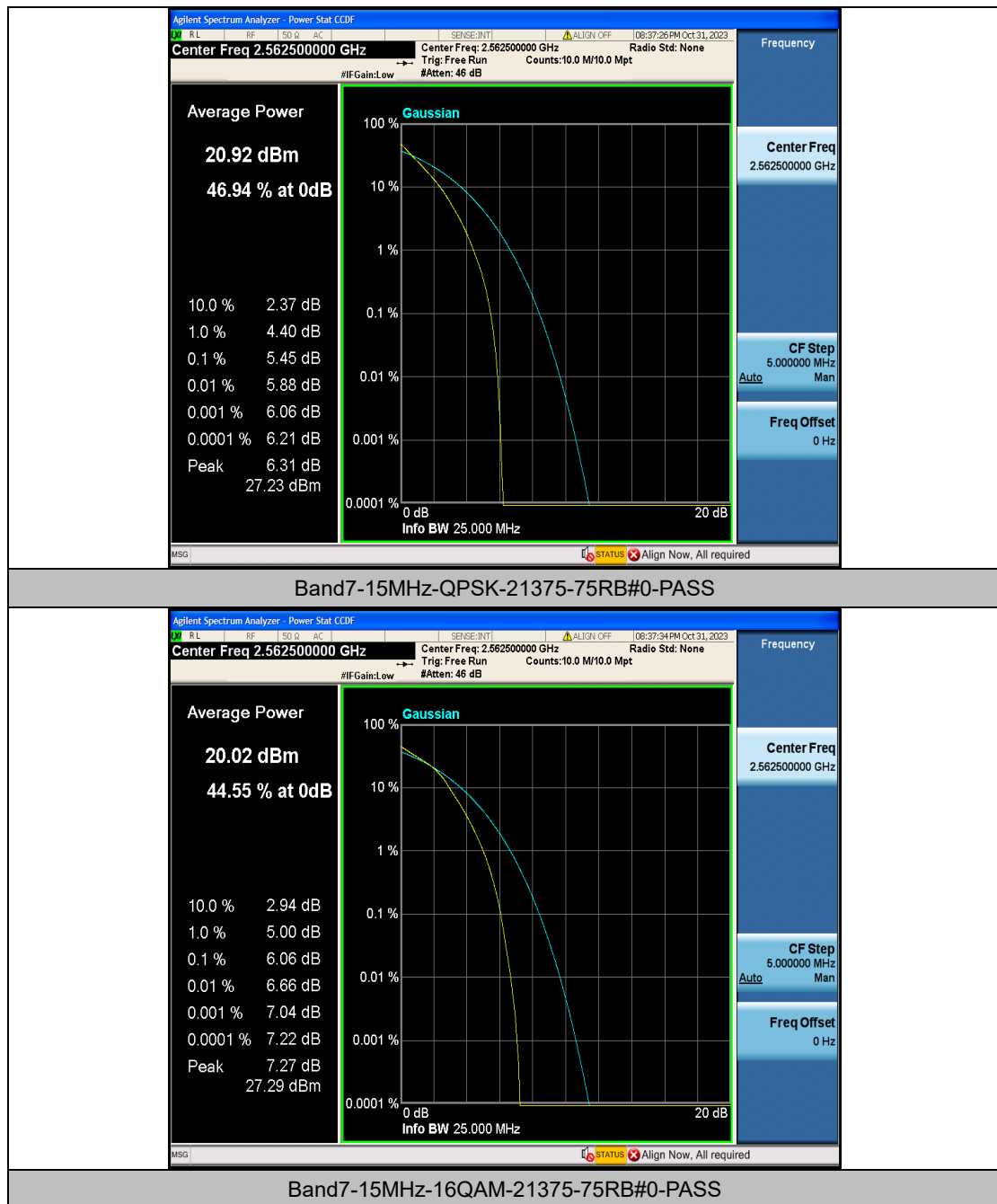


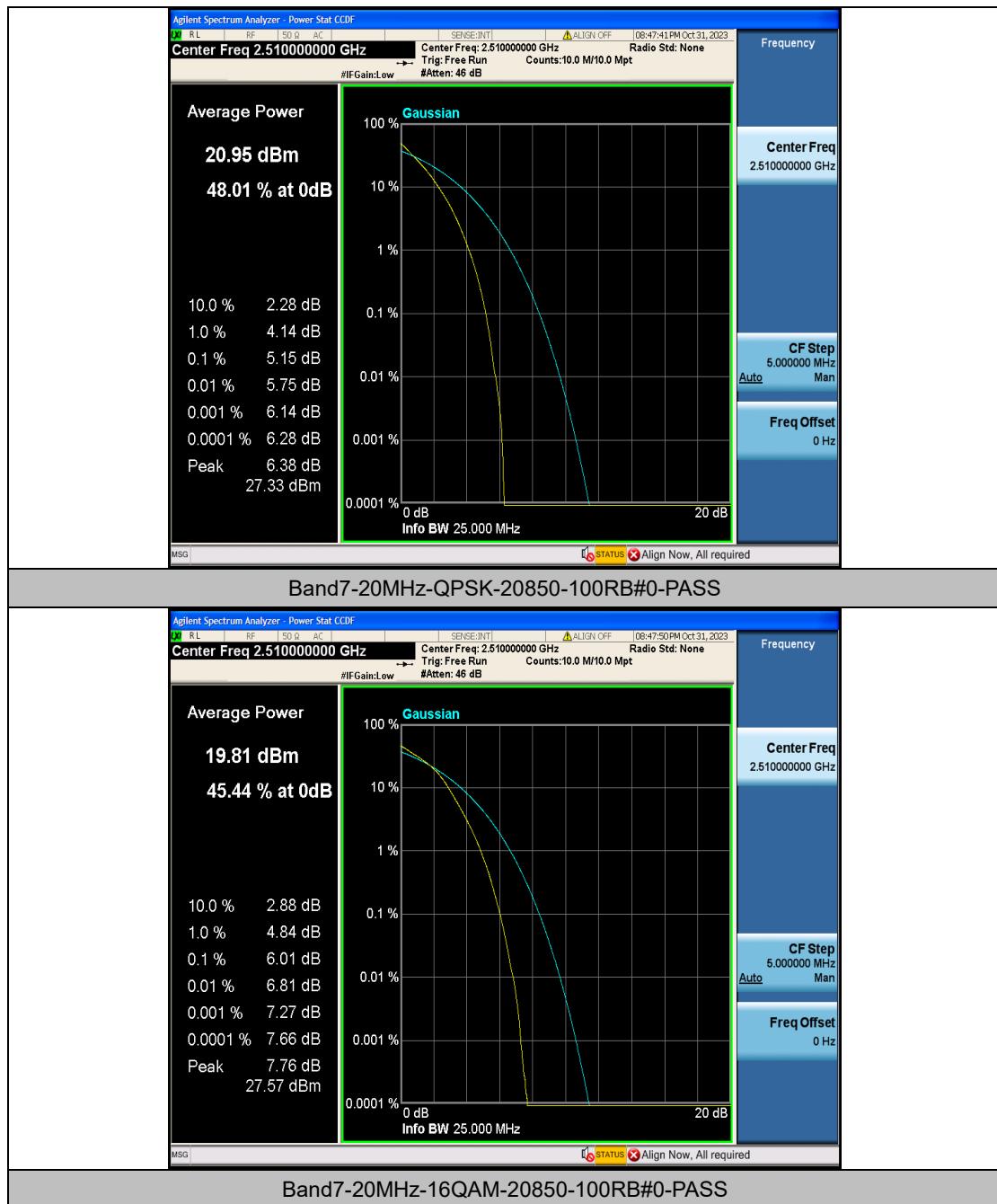
Band7-15MHz-QPSK-20825-75RB#0-PASS

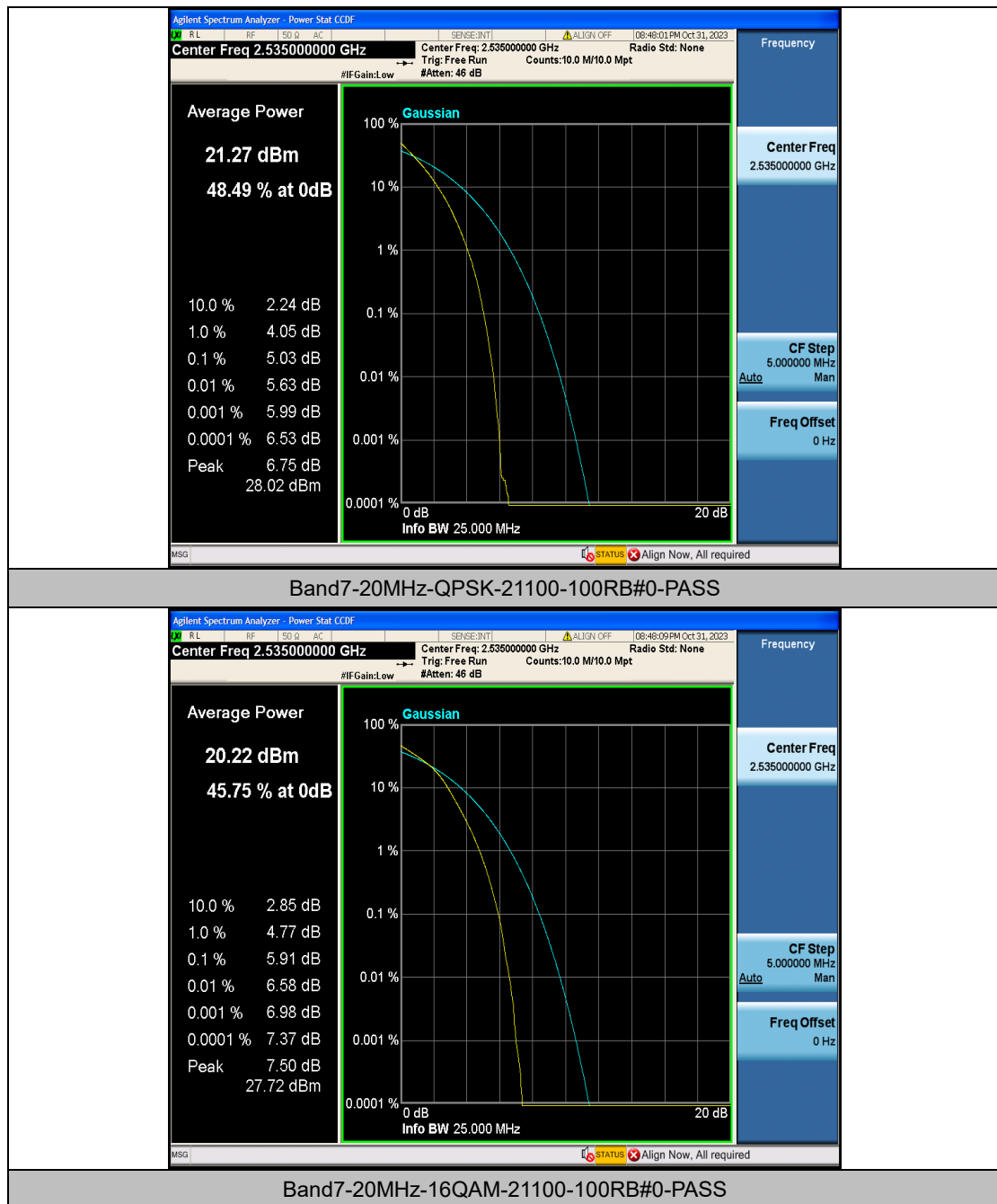


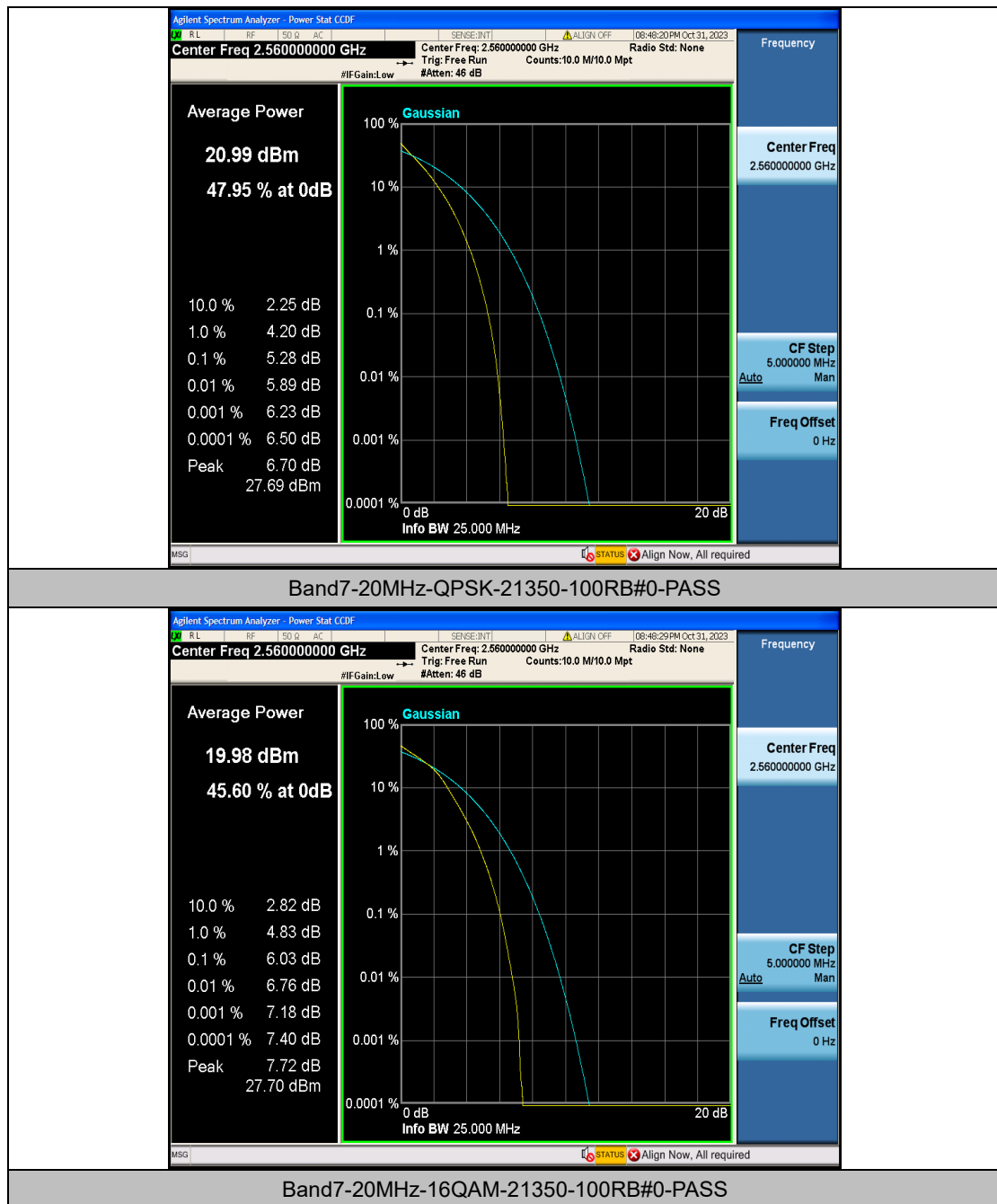
Band7-15MHz-16QAM-20825-75RB#0-PASS









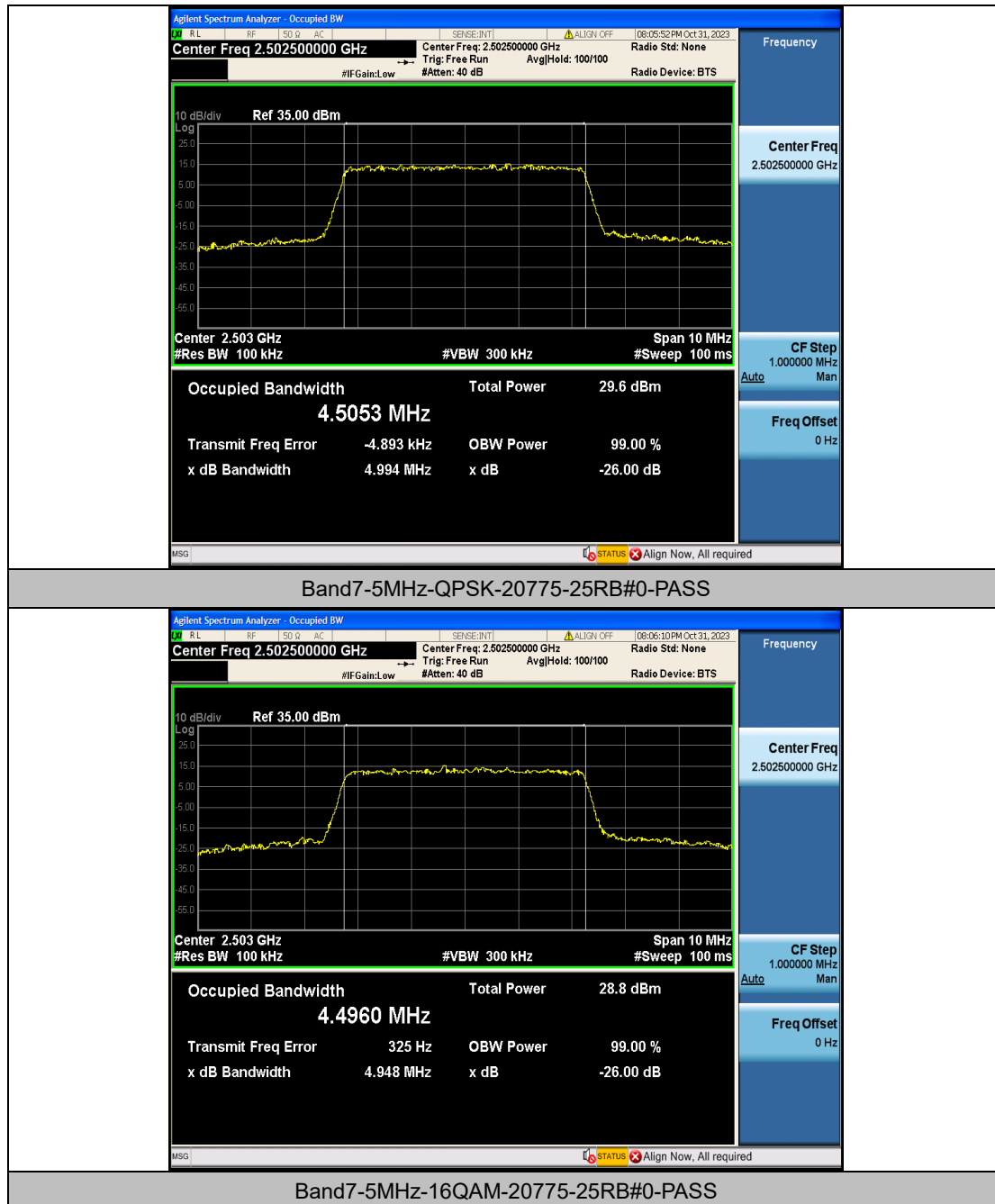


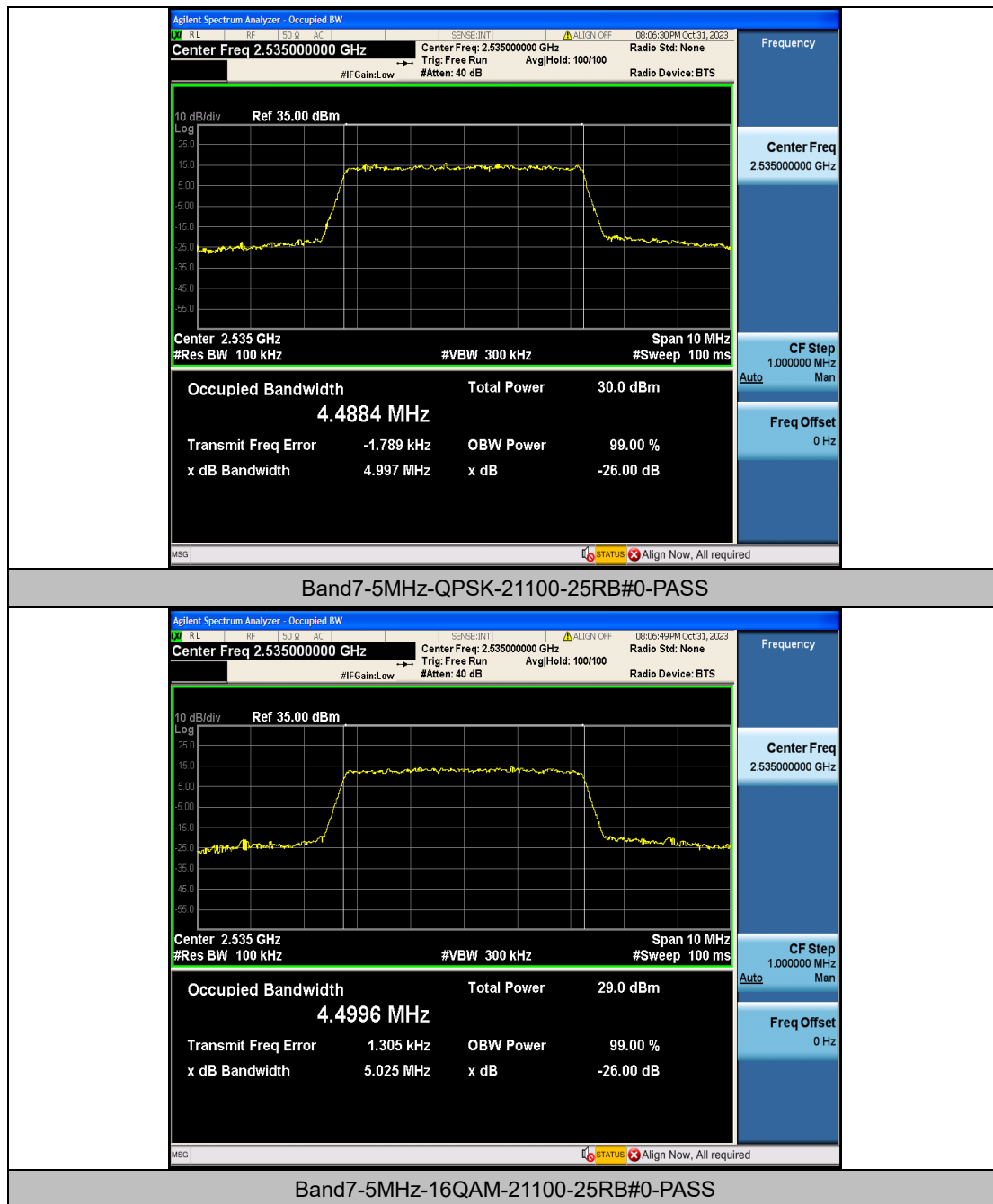
Appendix C: 26dB Bandwidth and Occupied Bandwidth

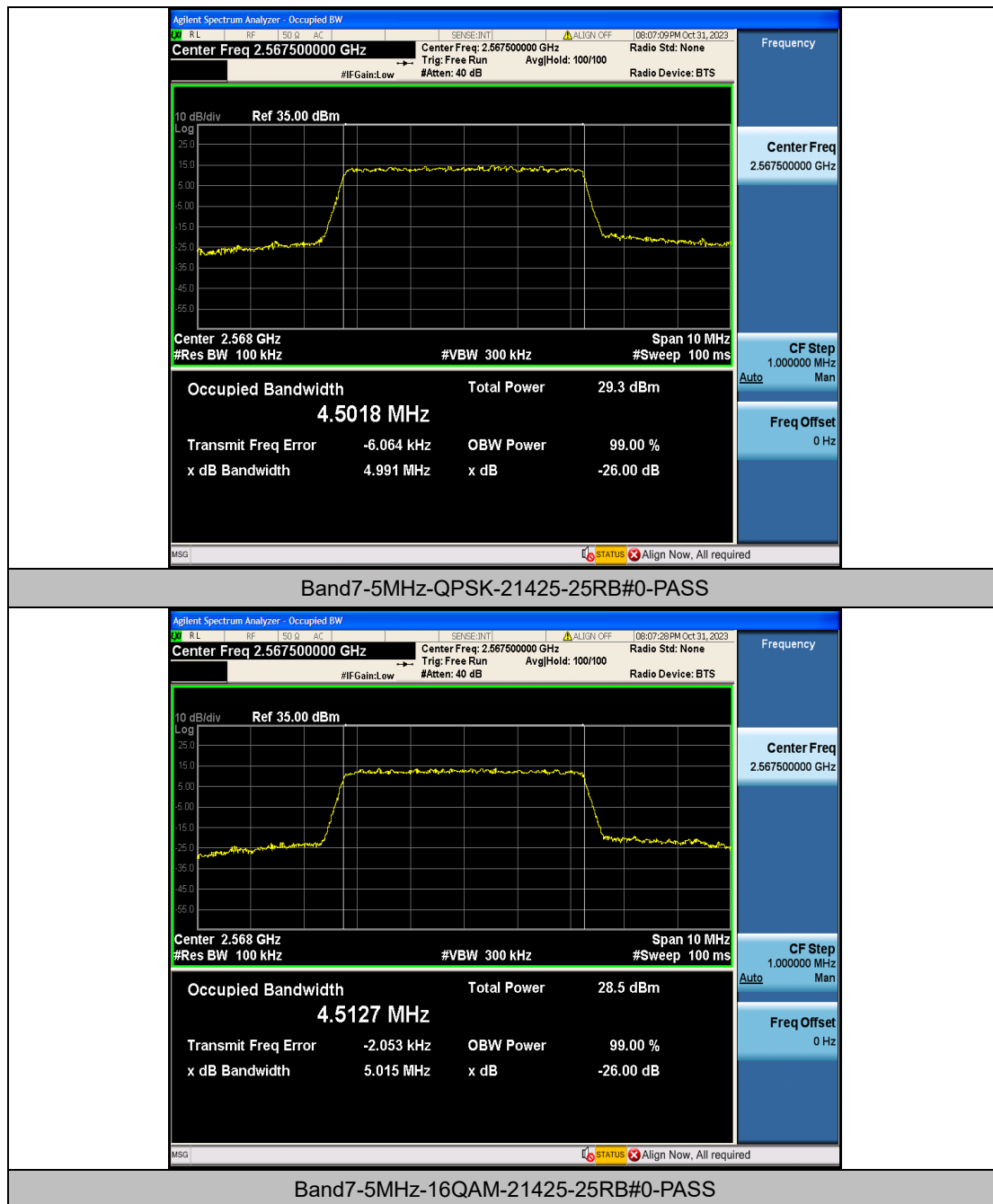
Test Result

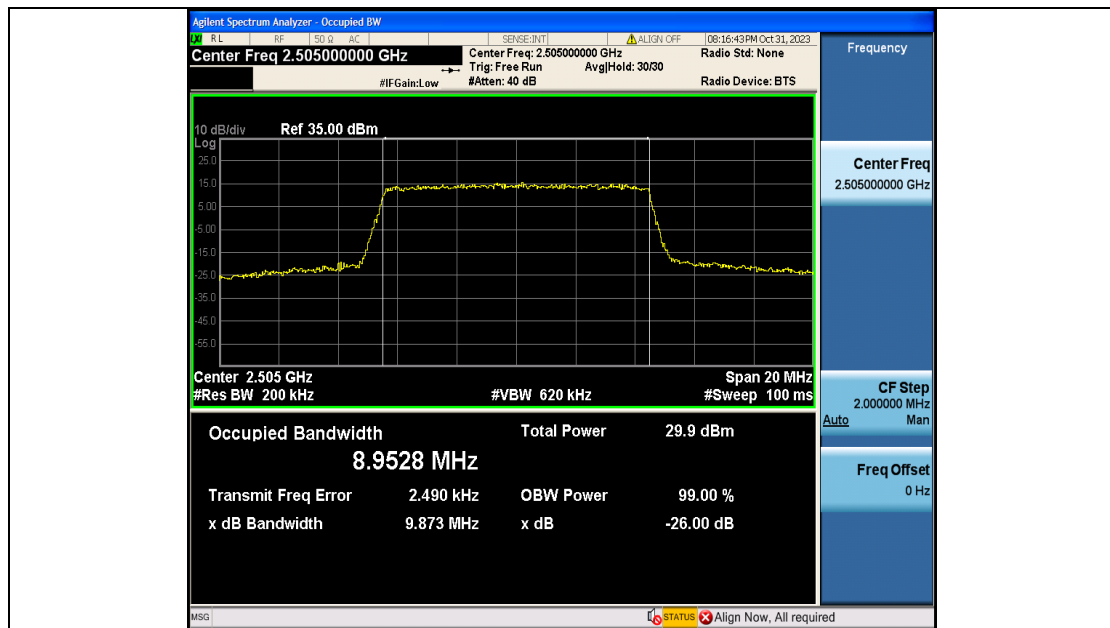
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5053	4.994	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4960	4.948	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4884	4.997	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4996	5.025	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5018	4.991	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5127	5.015	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9528	9.873	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9692	9.851	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9739	9.883	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9665	9.855	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9580	9.880	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9628	9.860	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.446	14.83	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.427	14.66	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.439	14.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.453	14.75	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.410	14.64	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.466	14.74	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.907	19.40	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.966	19.47	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.915	19.50	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.867	19.36	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.897	19.45	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.929	19.46	PASS

Test Graphs





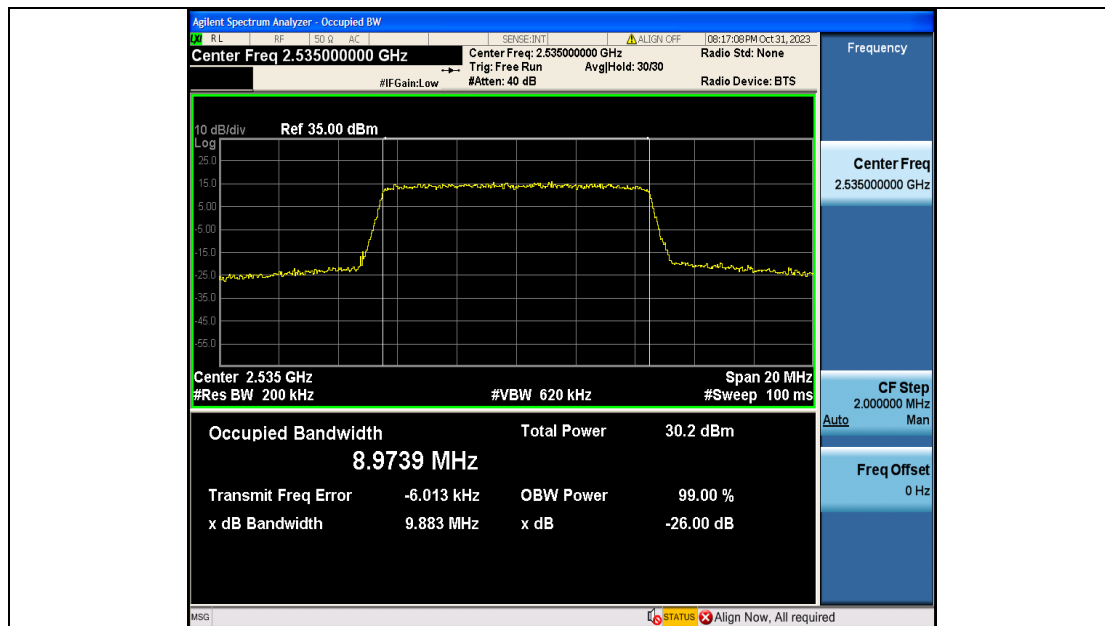




Band7-10MHz-QPSK-20800-50RB#0-PASS



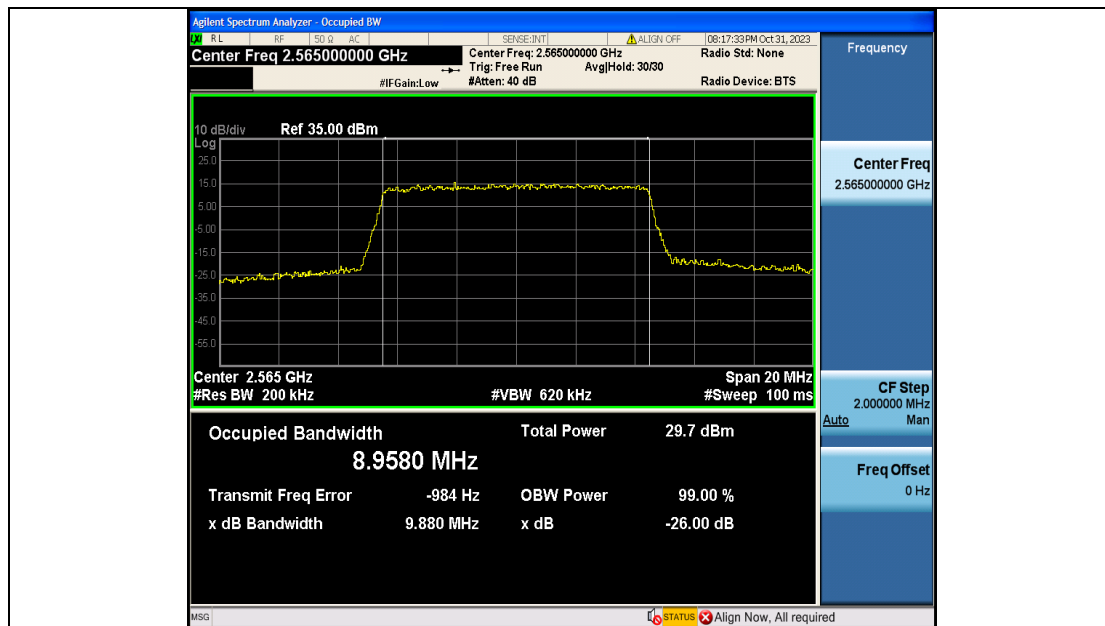
Band7-10MHz-16QAM-20800-50RB#0-PASS



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



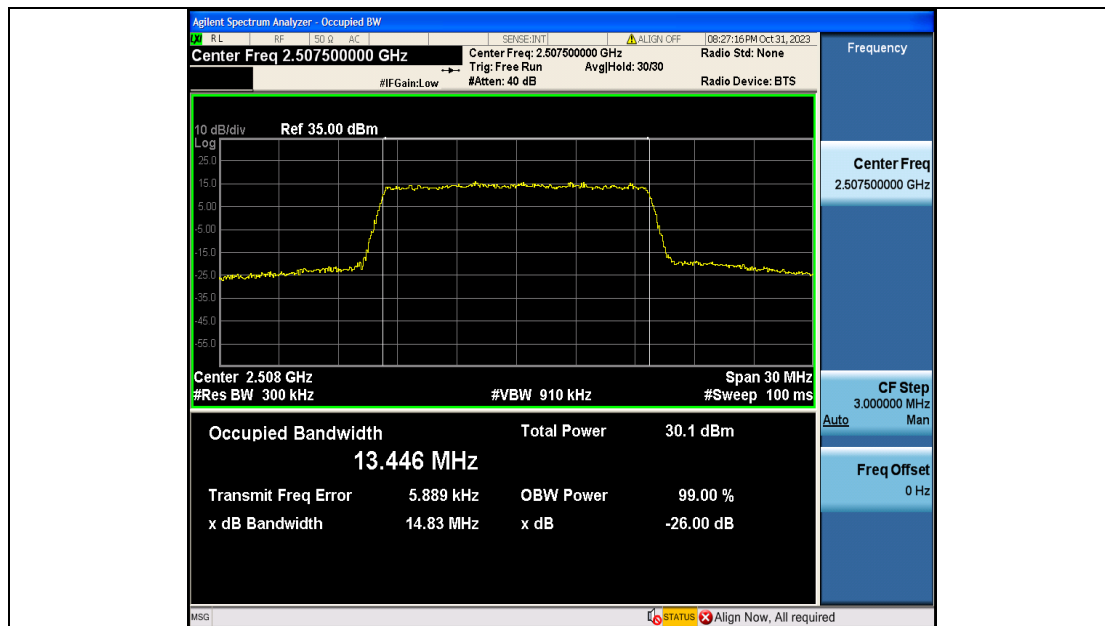
Band7-10MHz-16QAM-21100-50RB#0-PASS



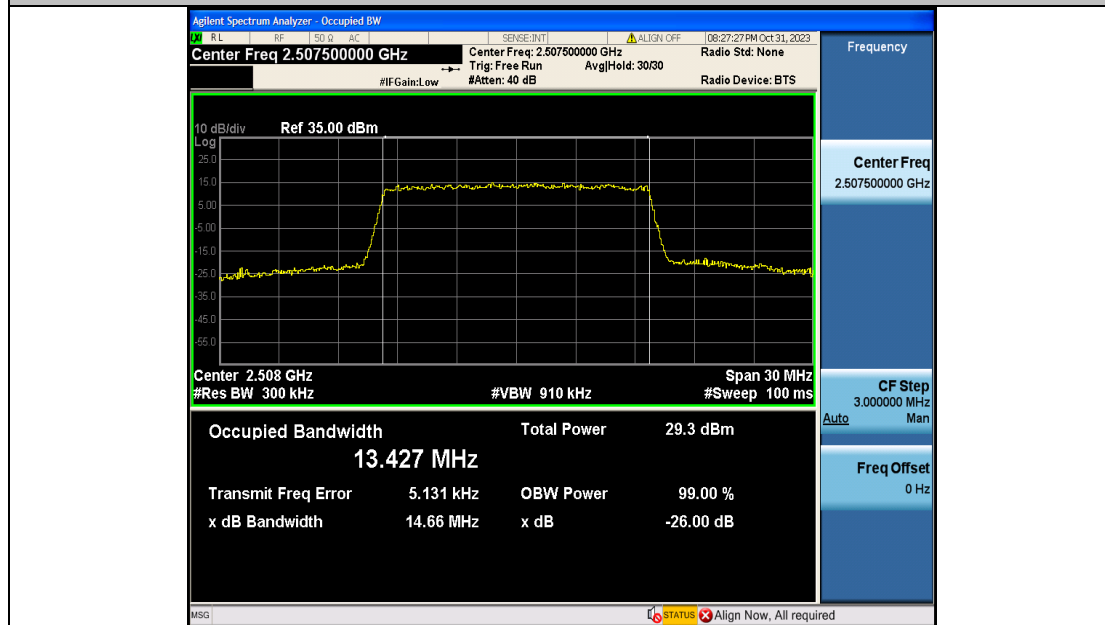
Band7-10MHz-QPSK-21400-50RB#0-PASS



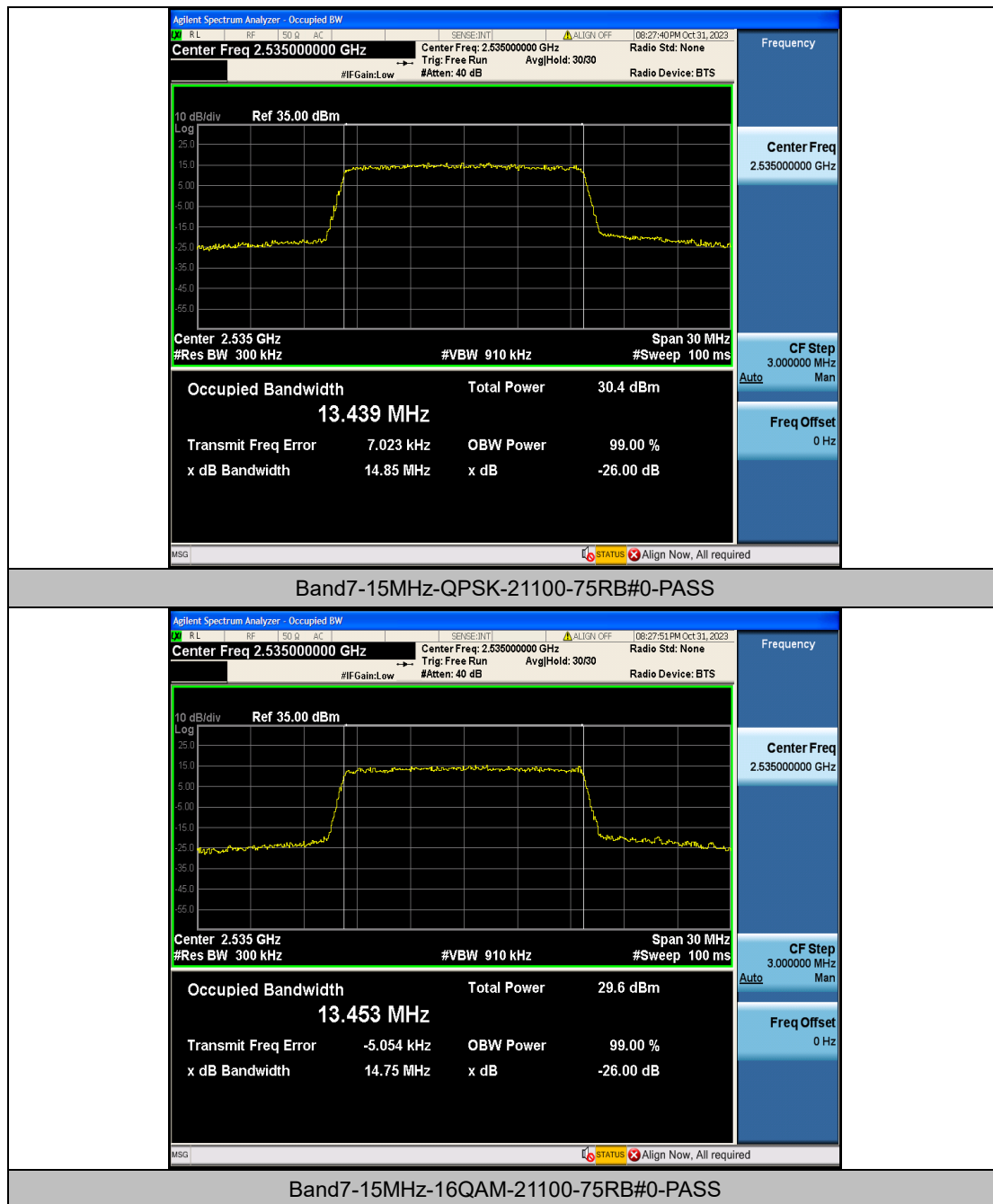
Band7-10MHz-16QAM-21400-50RB#0-PASS

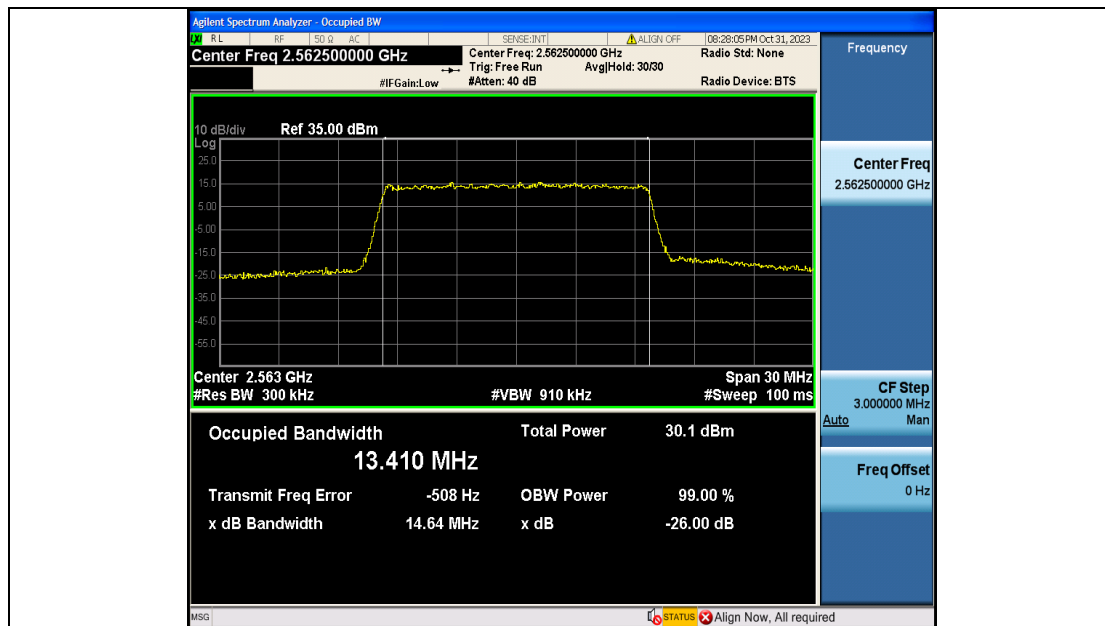


Band7-15MHz-QPSK-20825-75RB#0-PASS

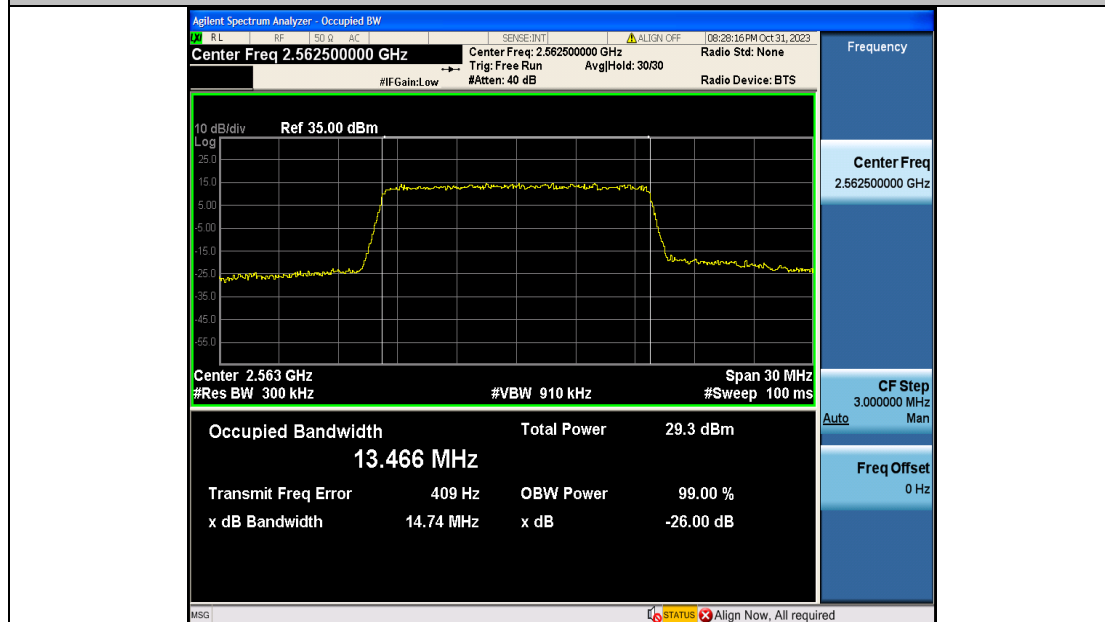


Band7-15MHz-16QAM-20825-75RB#0-PASS

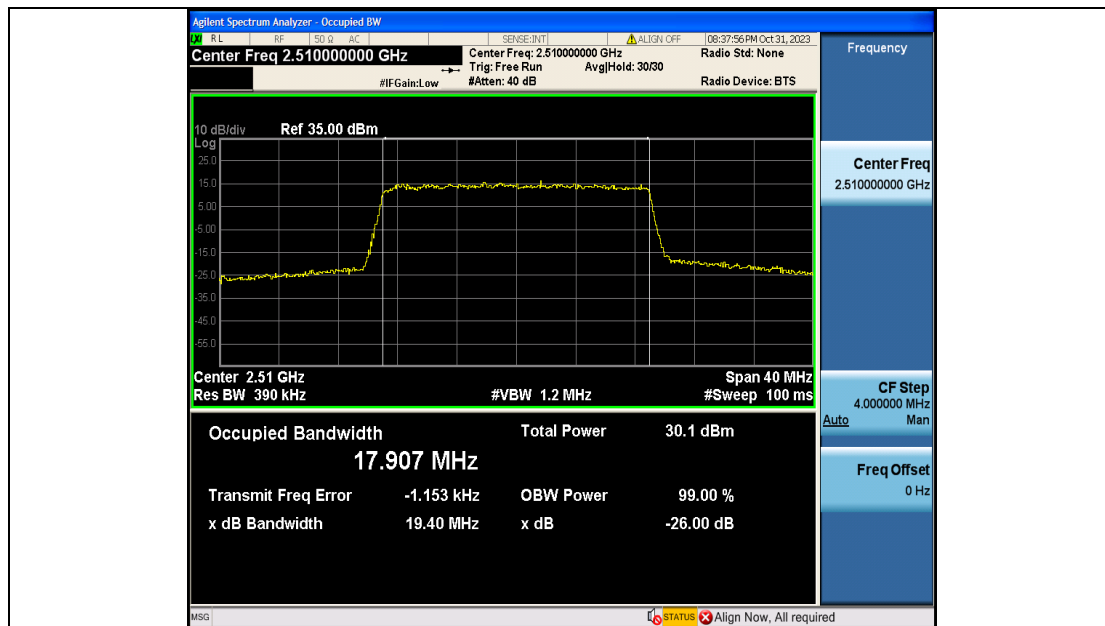




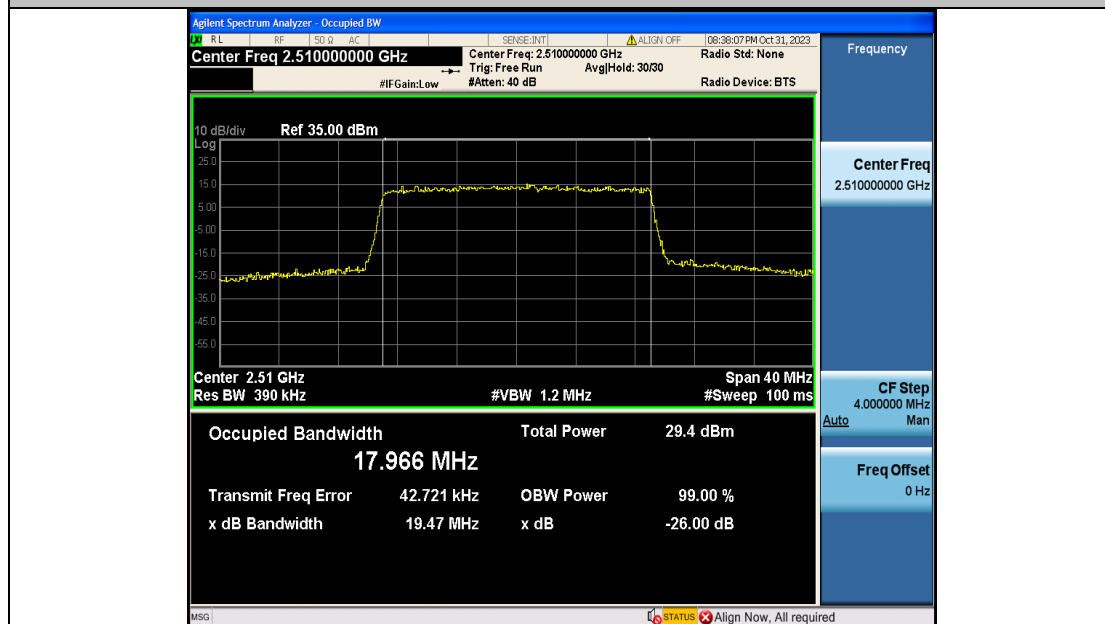
Band7-15MHz-QPSK-21375-75RB#0-PASS



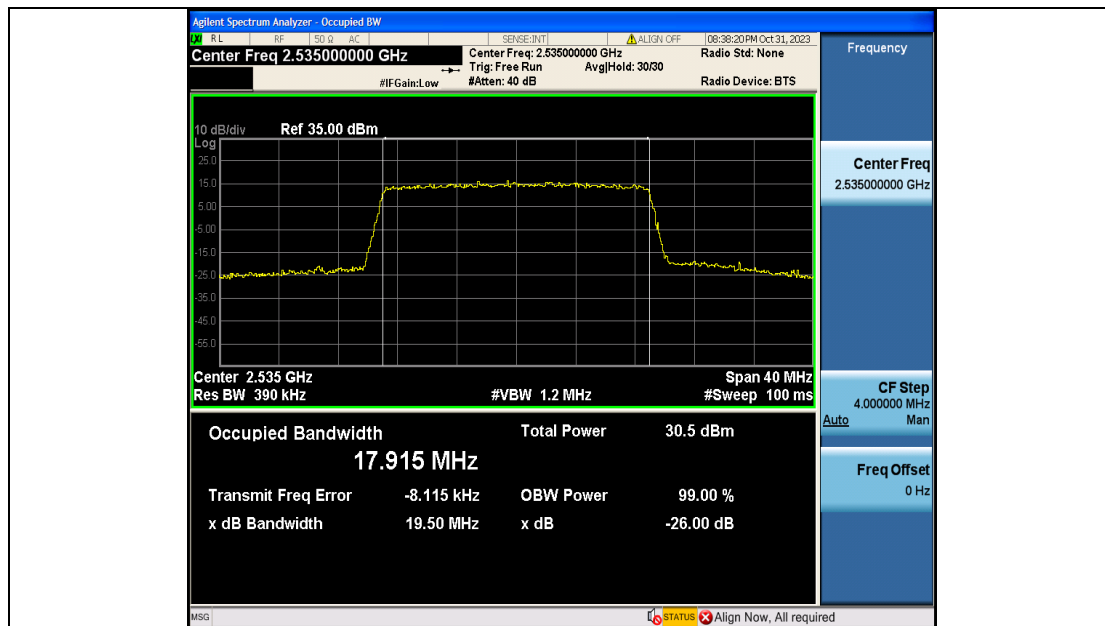
Band7-15MHz-16QAM-21375-75RB#0-PASS



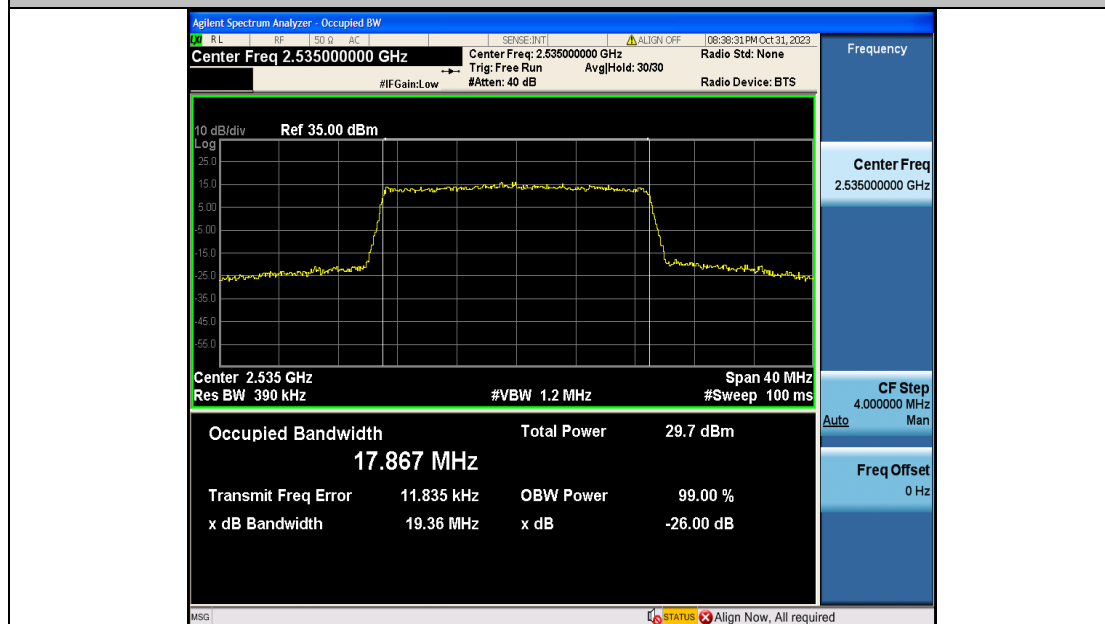
Band7-20MHz-QPSK-20850-100RB#0-PASS



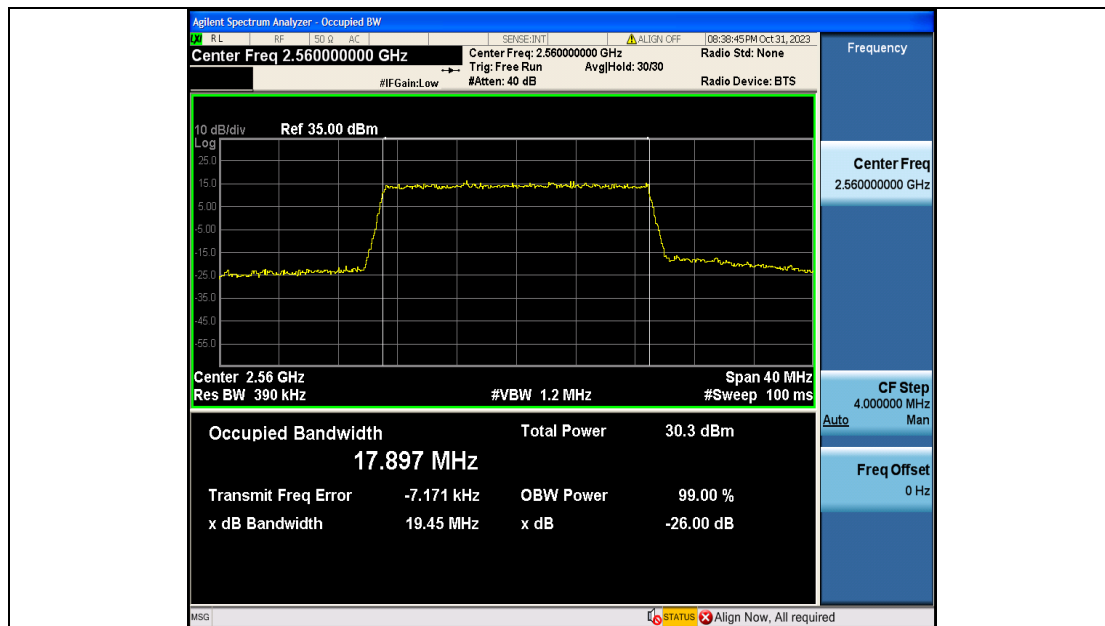
Band7-20MHz-16QAM-20850-100RB#0-PASS



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



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



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



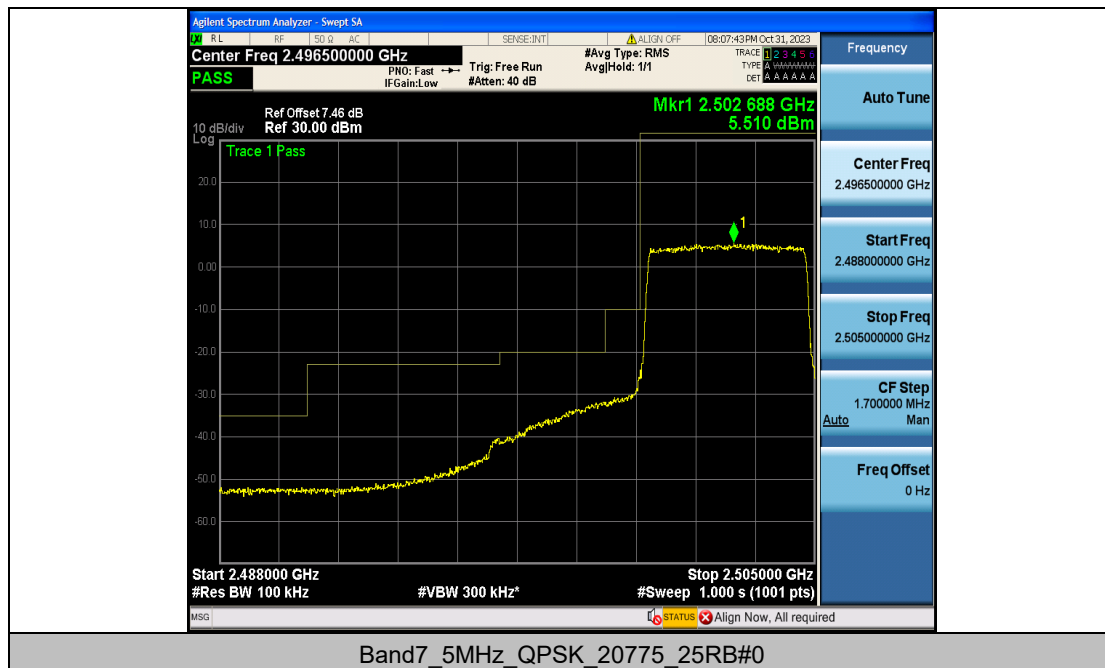
Band7-20MHz-16QAM-21350-100RB#0-PASS

Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band7	5MHz	QPSK	20775	25RB#0	PASS
Band7	5MHz	16QAM	20775	25RB#0	PASS
Band7	5MHz	QPSK	21425	25RB#0	PASS
Band7	5MHz	16QAM	21425	25RB#0	PASS
Band7	10MHz	QPSK	20800	50RB#0	PASS
Band7	10MHz	16QAM	20800	50RB#0	PASS
Band7	10MHz	QPSK	21400	50RB#0	PASS
Band7	10MHz	16QAM	21400	50RB#0	PASS
Band7	15MHz	QPSK	20825	75RB#0	PASS
Band7	15MHz	16QAM	20825	75RB#0	PASS
Band7	15MHz	QPSK	21375	75RB#0	PASS
Band7	15MHz	16QAM	21375	75RB#0	PASS
Band7	20MHz	QPSK	20850	100RB#0	PASS
Band7	20MHz	16QAM	20850	100RB#0	PASS
Band7	20MHz	QPSK	21350	100RB#0	PASS
Band7	20MHz	16QAM	21350	100RB#0	PASS

Test Graphs





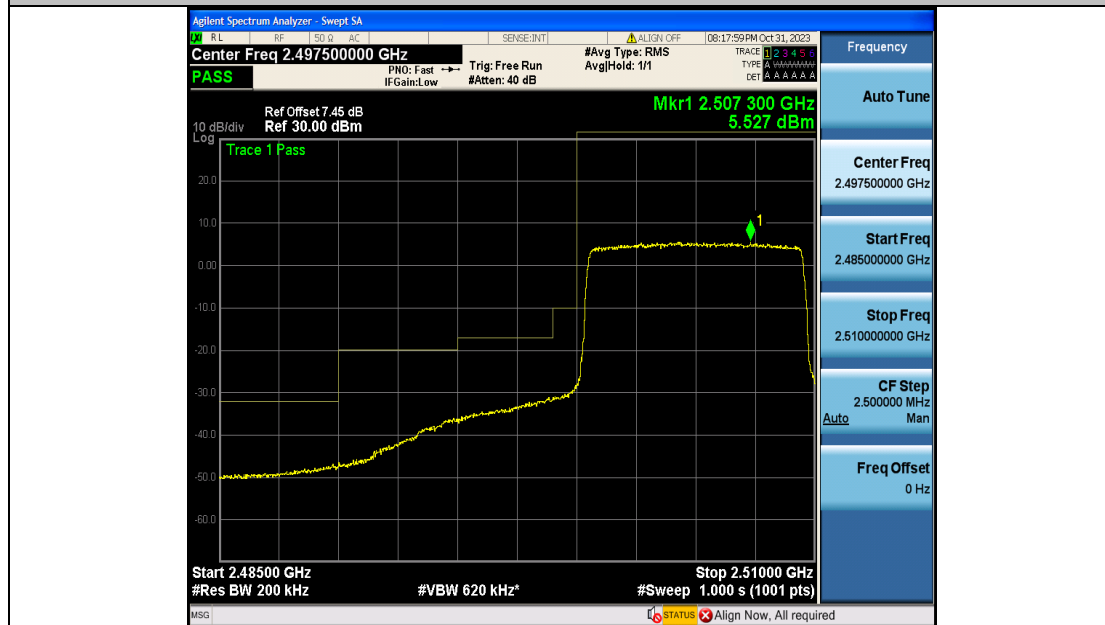
Band7_5MHz_16QAM_20775_25RB#0



Band7_5MHz_QPSK_21425_25RB#0



Band7_5MHz_16QAM_21425_25RB#0



Band7_10MHz_QPSK_20800_50RB#0







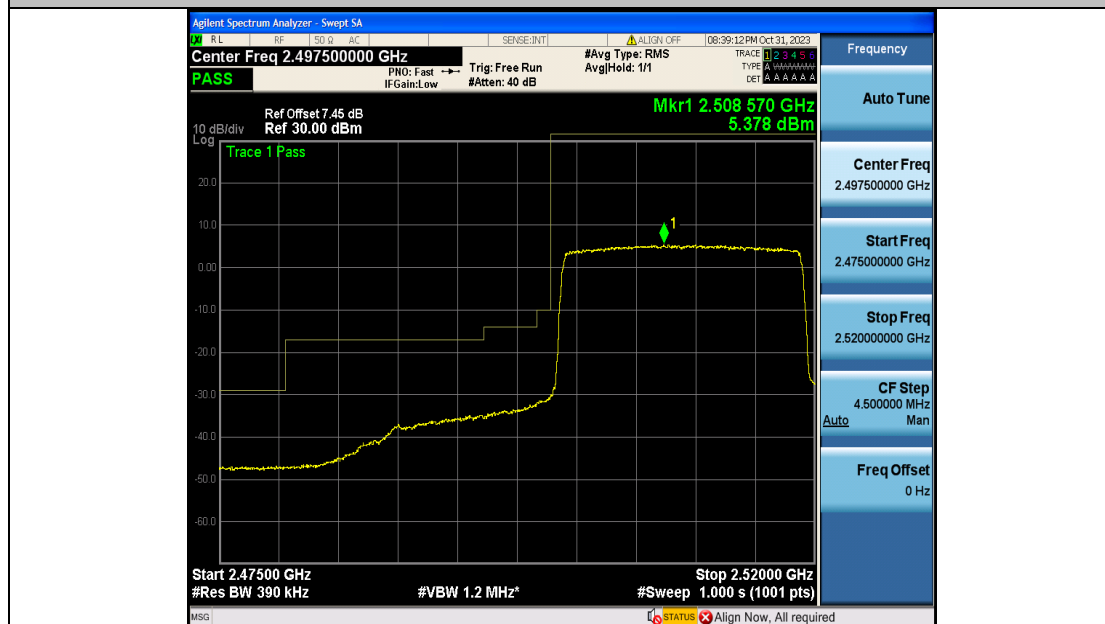
Band7_15MHz_16QAM_20825_75RB#0



Band7_15MHz_QPSK_21375_75RB#0



Band7_15MHz_16QAM_21375_75RB#0



Band7_20MHz_QPSK_20850_100RB#0





Appendix E: Conducted Spurious Emission

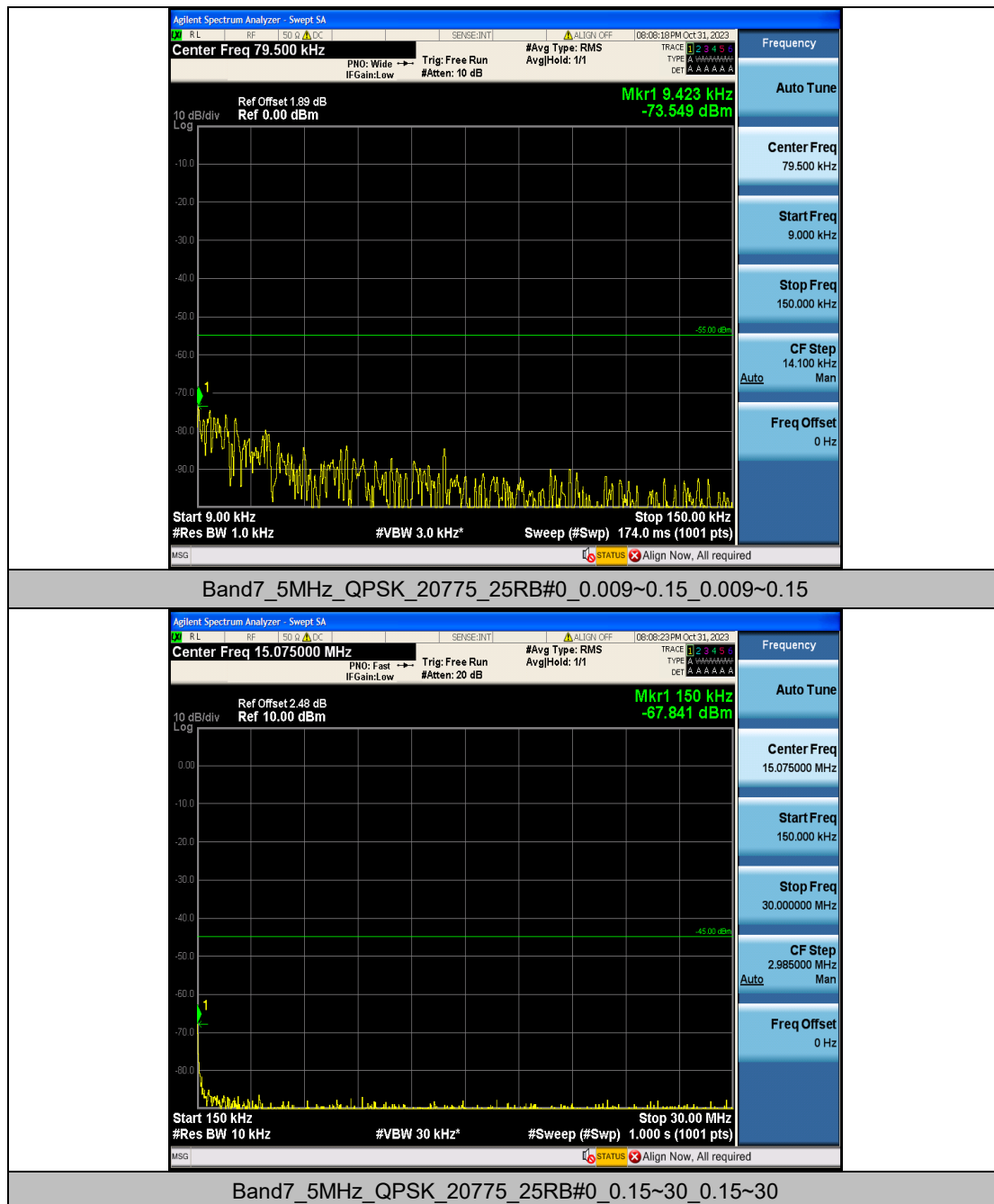
Test Result

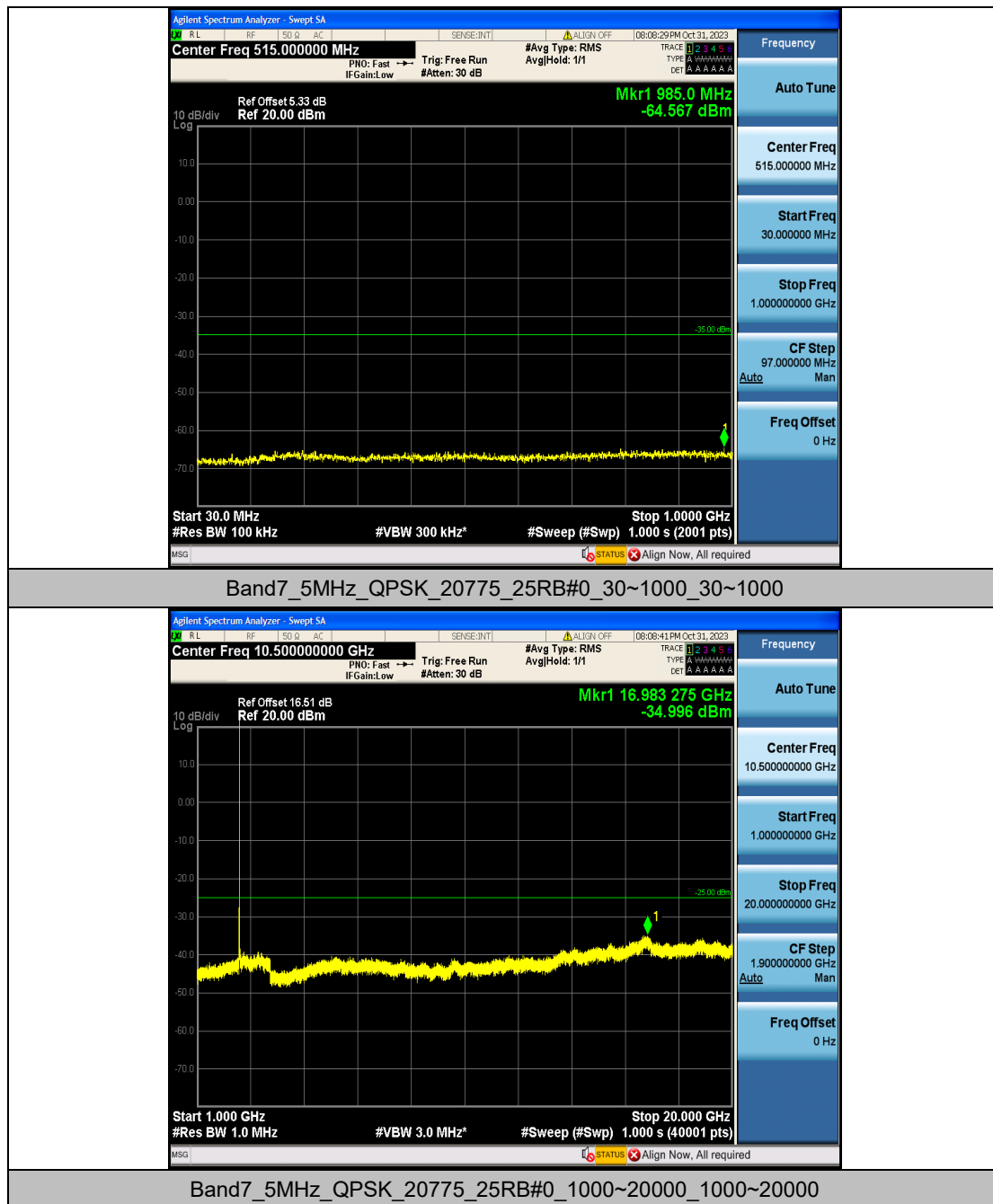
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	0.009~0.15	-73.55	PASS
Band7	5MHz	QPSK	20775	25RB#0	0.15~30	-67.84	PASS
Band7	5MHz	QPSK	20775	25RB#0	30~1000	-64.57	PASS
Band7	5MHz	QPSK	20775	25RB#0	1000~20000	-35.00	PASS
Band7	5MHz	QPSK	20775	25RB#0	20000~27000	-28.63	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.009~0.15	-76.36	PASS
Band7	5MHz	16QAM	20775	25RB#0	0.15~30	-68.16	PASS
Band7	5MHz	16QAM	20775	25RB#0	30~1000	-64.70	PASS
Band7	5MHz	16QAM	20775	25RB#0	1000~20000	-34.39	PASS
Band7	5MHz	16QAM	20775	25RB#0	20000~27000	-28.10	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.009~0.15	-75.88	PASS
Band7	5MHz	QPSK	21100	25RB#0	0.15~30	-69.72	PASS
Band7	5MHz	QPSK	21100	25RB#0	30~1000	-64.83	PASS
Band7	5MHz	QPSK	21100	25RB#0	1000~20000	-34.86	PASS
Band7	5MHz	QPSK	21100	25RB#0	20000~27000	-28.42	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.009~0.15	-74.59	PASS
Band7	5MHz	16QAM	21100	25RB#0	0.15~30	-69.09	PASS
Band7	5MHz	16QAM	21100	25RB#0	30~1000	-64.59	PASS
Band7	5MHz	16QAM	21100	25RB#0	1000~20000	-34.49	PASS
Band7	5MHz	16QAM	21100	25RB#0	20000~27000	-28.44	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.009~0.15	-72.83	PASS
Band7	5MHz	QPSK	21425	25RB#0	0.15~30	-70.40	PASS
Band7	5MHz	QPSK	21425	25RB#0	30~1000	-64.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	1000~20000	-34.96	PASS
Band7	5MHz	QPSK	21425	25RB#0	20000~27000	-28.52	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.009~0.15	-75.13	PASS
Band7	5MHz	16QAM	21425	25RB#0	0.15~30	-69.42	PASS
Band7	5MHz	16QAM	21425	25RB#0	30~1000	-64.96	PASS
Band7	5MHz	16QAM	21425	25RB#0	1000~20000	-34.50	PASS
Band7	5MHz	16QAM	21425	25RB#0	20000~27000	-28.29	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.009~0.15	-73.87	PASS
Band7	10MHz	QPSK	20800	50RB#0	0.15~30	-67.74	PASS
Band7	10MHz	QPSK	20800	50RB#0	30~1000	-64.85	PASS
Band7	10MHz	QPSK	20800	50RB#0	1000~20000	-34.58	PASS
Band7	10MHz	QPSK	20800	50RB#0	20000~27000	-27.80	PASS
Band7	10MHz	16QAM	20800	50RB#0	0.009~0.15	-75.43	PASS

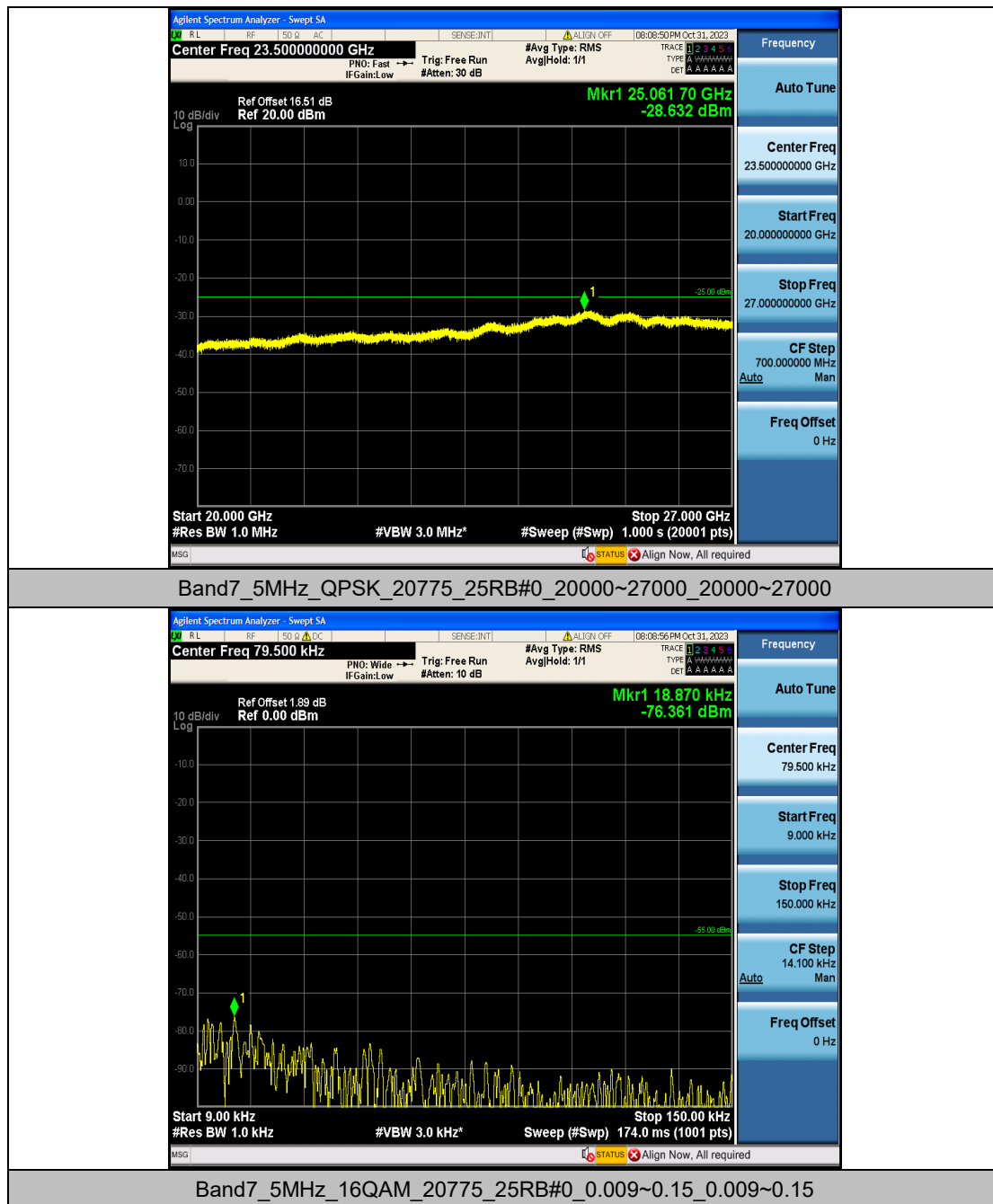
Band7	10MHz	16QAM	20800	50RB#0	0.15~30	-69.12	PASS
Band7	10MHz	16QAM	20800	50RB#0	30~1000	-64.81	PASS
Band7	10MHz	16QAM	20800	50RB#0	1000~20000	-34.88	PASS
Band7	10MHz	16QAM	20800	50RB#0	20000~27000	-28.15	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.009~0.15	-75.55	PASS
Band7	10MHz	QPSK	21100	50RB#0	0.15~30	-67.19	PASS
Band7	10MHz	QPSK	21100	50RB#0	30~1000	-64.72	PASS
Band7	10MHz	QPSK	21100	50RB#0	1000~20000	-34.44	PASS
Band7	10MHz	QPSK	21100	50RB#0	20000~27000	-28.09	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.009~0.15	-70.31	PASS
Band7	10MHz	16QAM	21100	50RB#0	0.15~30	-68.15	PASS
Band7	10MHz	16QAM	21100	50RB#0	30~1000	-64.87	PASS
Band7	10MHz	16QAM	21100	50RB#0	1000~20000	-34.67	PASS
Band7	10MHz	16QAM	21100	50RB#0	20000~27000	-28.37	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.009~0.15	-71.95	PASS
Band7	10MHz	QPSK	21400	50RB#0	0.15~30	-68.92	PASS
Band7	10MHz	QPSK	21400	50RB#0	30~1000	-64.67	PASS
Band7	10MHz	QPSK	21400	50RB#0	1000~20000	-34.89	PASS
Band7	10MHz	QPSK	21400	50RB#0	20000~27000	-28.42	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.009~0.15	-73.66	PASS
Band7	10MHz	16QAM	21400	50RB#0	0.15~30	-69.68	PASS
Band7	10MHz	16QAM	21400	50RB#0	30~1000	-64.98	PASS
Band7	10MHz	16QAM	21400	50RB#0	1000~20000	-34.38	PASS
Band7	10MHz	16QAM	21400	50RB#0	20000~27000	-28.32	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.009~0.15	-70.72	PASS
Band7	15MHz	QPSK	20825	75RB#0	0.15~30	-68.86	PASS
Band7	15MHz	QPSK	20825	75RB#0	30~1000	-65.52	PASS
Band7	15MHz	QPSK	20825	75RB#0	1000~20000	-34.35	PASS
Band7	15MHz	QPSK	20825	75RB#0	20000~27000	-27.87	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.009~0.15	-74.94	PASS
Band7	15MHz	16QAM	20825	75RB#0	0.15~30	-69.36	PASS
Band7	15MHz	16QAM	20825	75RB#0	30~1000	-64.64	PASS
Band7	15MHz	16QAM	20825	75RB#0	1000~20000	-34.91	PASS
Band7	15MHz	16QAM	20825	75RB#0	20000~27000	-28.44	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.009~0.15	-75.20	PASS
Band7	15MHz	QPSK	21100	75RB#0	0.15~30	-67.85	PASS
Band7	15MHz	QPSK	21100	75RB#0	30~1000	-64.56	PASS
Band7	15MHz	QPSK	21100	75RB#0	1000~20000	-34.85	PASS
Band7	15MHz	QPSK	21100	75RB#0	20000~27000	-28.10	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.009~0.15	-74.85	PASS
Band7	15MHz	16QAM	21100	75RB#0	0.15~30	-68.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	30~1000	-64.58	PASS
Band7	15MHz	16QAM	21100	75RB#0	1000~20000	-34.13	PASS

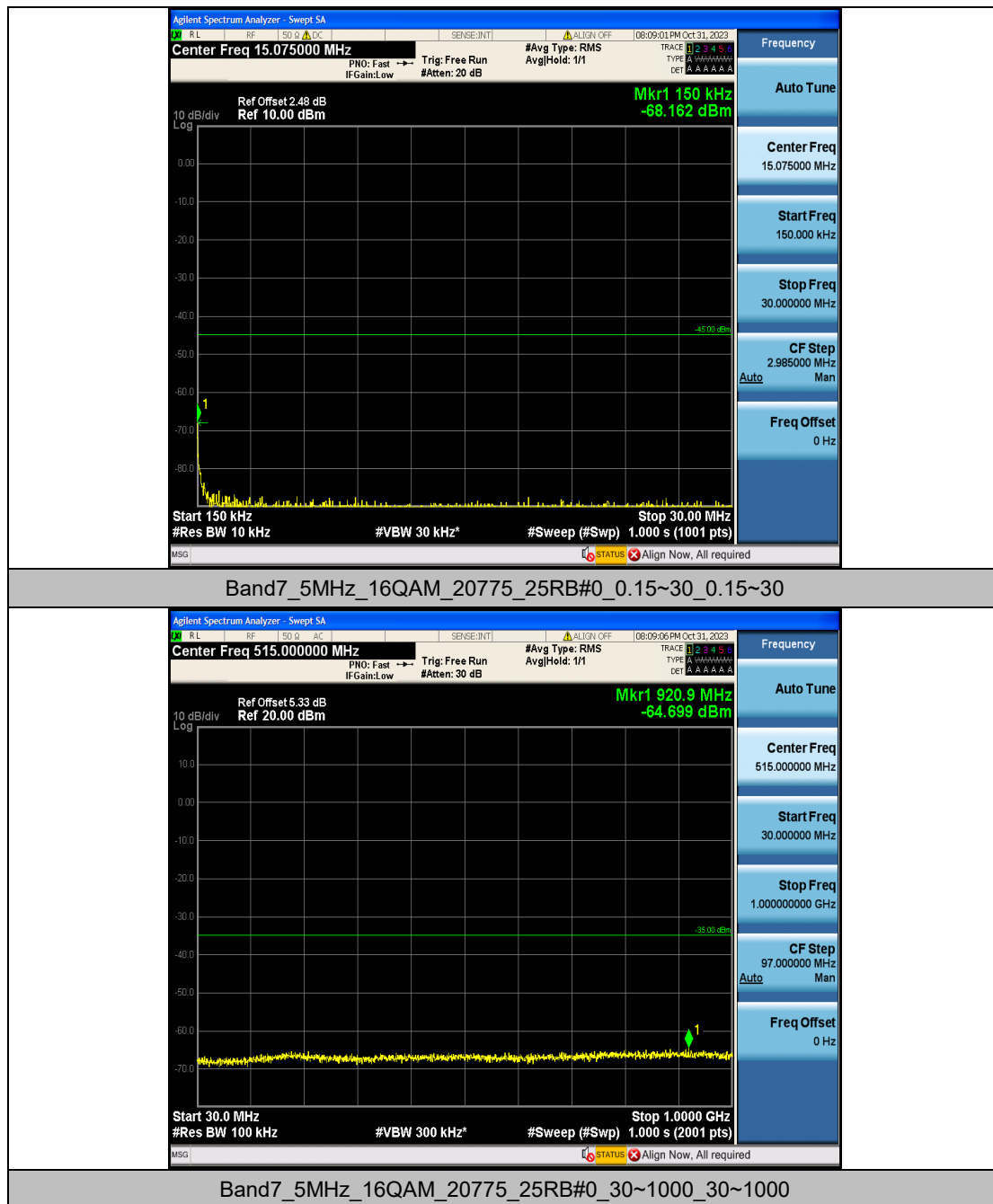
Band7	15MHz	16QAM	21100	75RB#0	20000~27000	-28.27	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.009~0.15	-72.45	PASS
Band7	15MHz	QPSK	21375	75RB#0	0.15~30	-65.59	PASS
Band7	15MHz	QPSK	21375	75RB#0	30~1000	-64.53	PASS
Band7	15MHz	QPSK	21375	75RB#0	1000~20000	-34.33	PASS
Band7	15MHz	QPSK	21375	75RB#0	20000~27000	-27.99	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.009~0.15	-73.77	PASS
Band7	15MHz	16QAM	21375	75RB#0	0.15~30	-68.44	PASS
Band7	15MHz	16QAM	21375	75RB#0	30~1000	-64.88	PASS
Band7	15MHz	16QAM	21375	75RB#0	1000~20000	-34.85	PASS
Band7	15MHz	16QAM	21375	75RB#0	20000~27000	-28.10	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.009~0.15	-73.94	PASS
Band7	20MHz	QPSK	20850	100RB#0	0.15~30	-70.40	PASS
Band7	20MHz	QPSK	20850	100RB#0	30~1000	-64.66	PASS
Band7	20MHz	QPSK	20850	100RB#0	1000~20000	-34.59	PASS
Band7	20MHz	QPSK	20850	100RB#0	20000~27000	-28.21	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.009~0.15	-76.37	PASS
Band7	20MHz	16QAM	20850	100RB#0	0.15~30	-68.54	PASS
Band7	20MHz	16QAM	20850	100RB#0	30~1000	-64.98	PASS
Band7	20MHz	16QAM	20850	100RB#0	1000~20000	-34.98	PASS
Band7	20MHz	16QAM	20850	100RB#0	20000~27000	-27.95	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.009~0.15	-72.46	PASS
Band7	20MHz	QPSK	21100	100RB#0	0.15~30	-69.58	PASS
Band7	20MHz	QPSK	21100	100RB#0	30~1000	-65.05	PASS
Band7	20MHz	QPSK	21100	100RB#0	1000~20000	-34.71	PASS
Band7	20MHz	QPSK	21100	100RB#0	20000~27000	-28.02	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.009~0.15	-74.08	PASS
Band7	20MHz	16QAM	21100	100RB#0	0.15~30	-68.86	PASS
Band7	20MHz	16QAM	21100	100RB#0	30~1000	-64.82	PASS
Band7	20MHz	16QAM	21100	100RB#0	1000~20000	-34.57	PASS
Band7	20MHz	16QAM	21100	100RB#0	20000~27000	-28.40	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.009~0.15	-72.16	PASS
Band7	20MHz	QPSK	21350	100RB#0	0.15~30	-67.64	PASS
Band7	20MHz	QPSK	21350	100RB#0	30~1000	-64.75	PASS
Band7	20MHz	QPSK	21350	100RB#0	1000~20000	-34.81	PASS
Band7	20MHz	QPSK	21350	100RB#0	20000~27000	-28.21	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.009~0.15	-72.44	PASS
Band7	20MHz	16QAM	21350	100RB#0	0.15~30	-66.46	PASS
Band7	20MHz	16QAM	21350	100RB#0	30~1000	-64.97	PASS
Band7	20MHz	16QAM	21350	100RB#0	1000~20000	-34.84	PASS
Band7	20MHz	16QAM	21350	100RB#0	20000~27000	-28.45	PASS

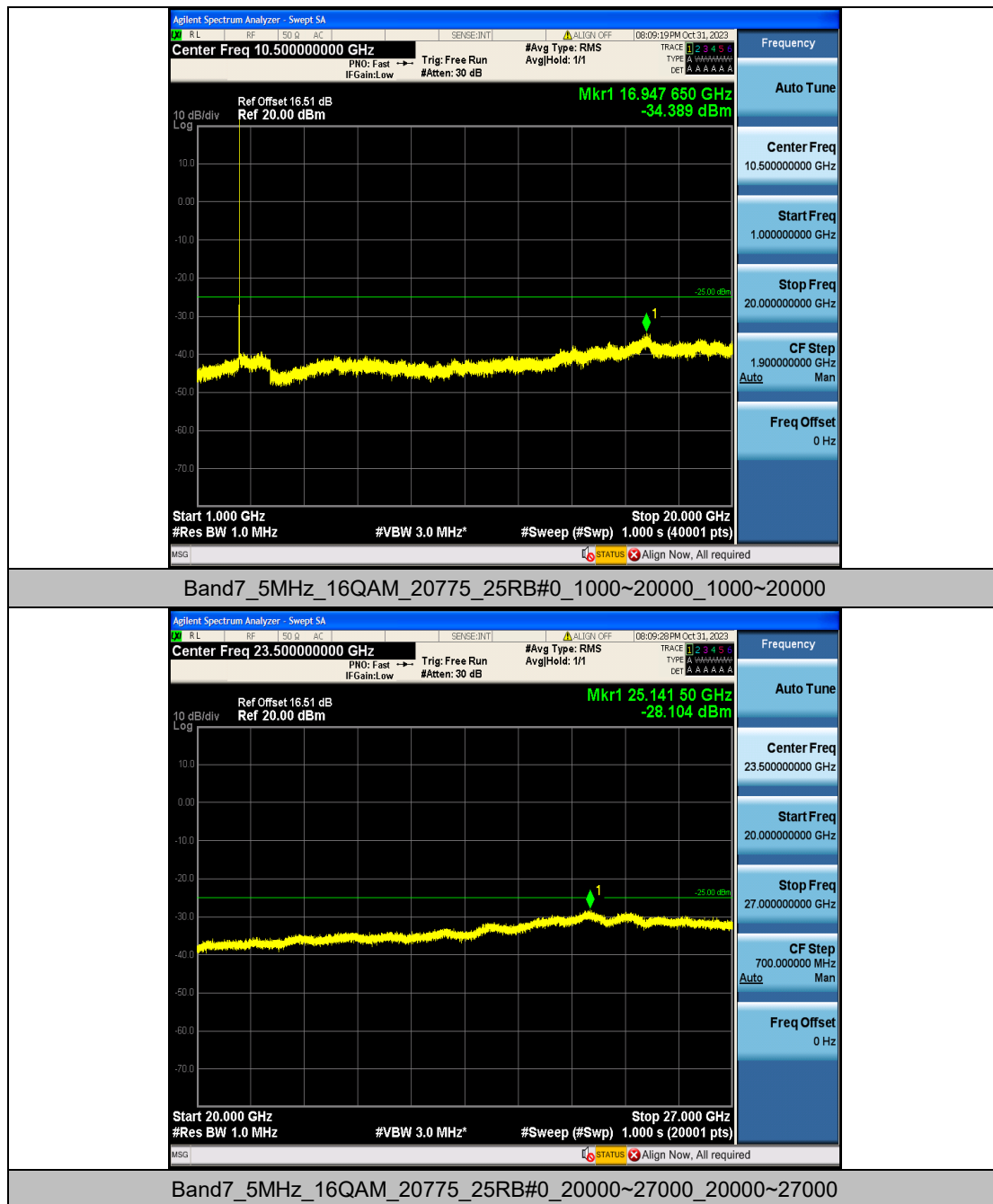
Test Graphs

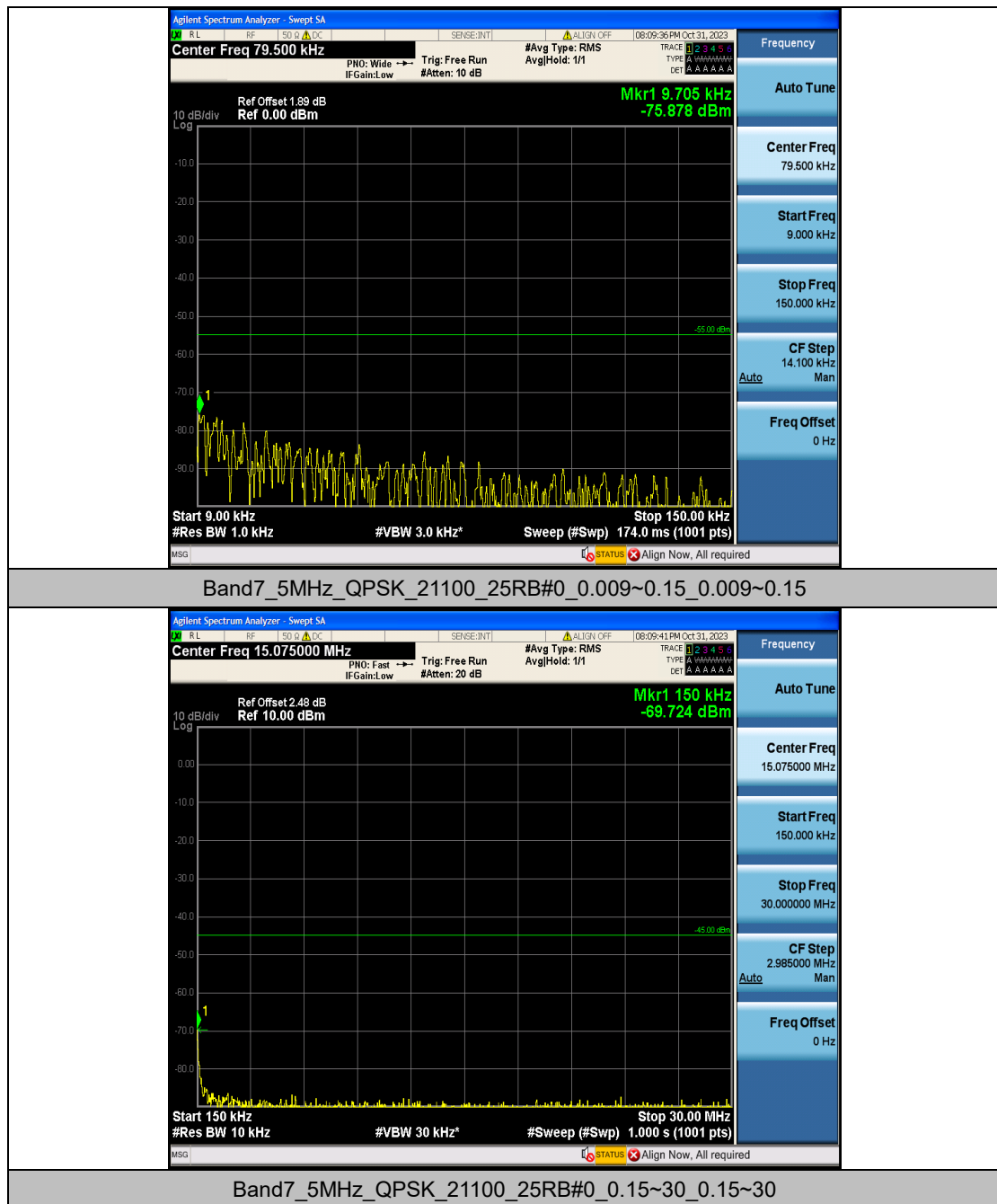


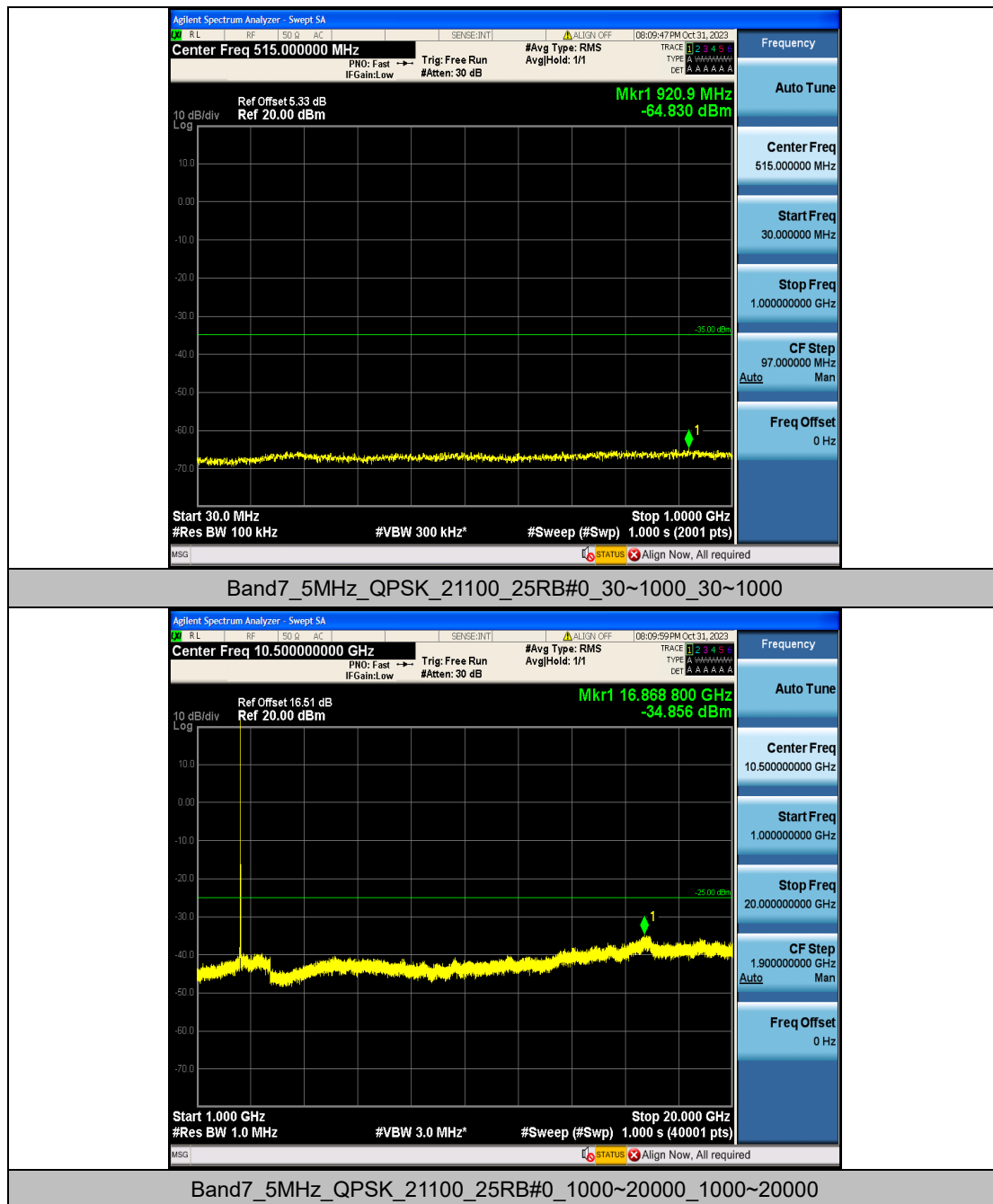






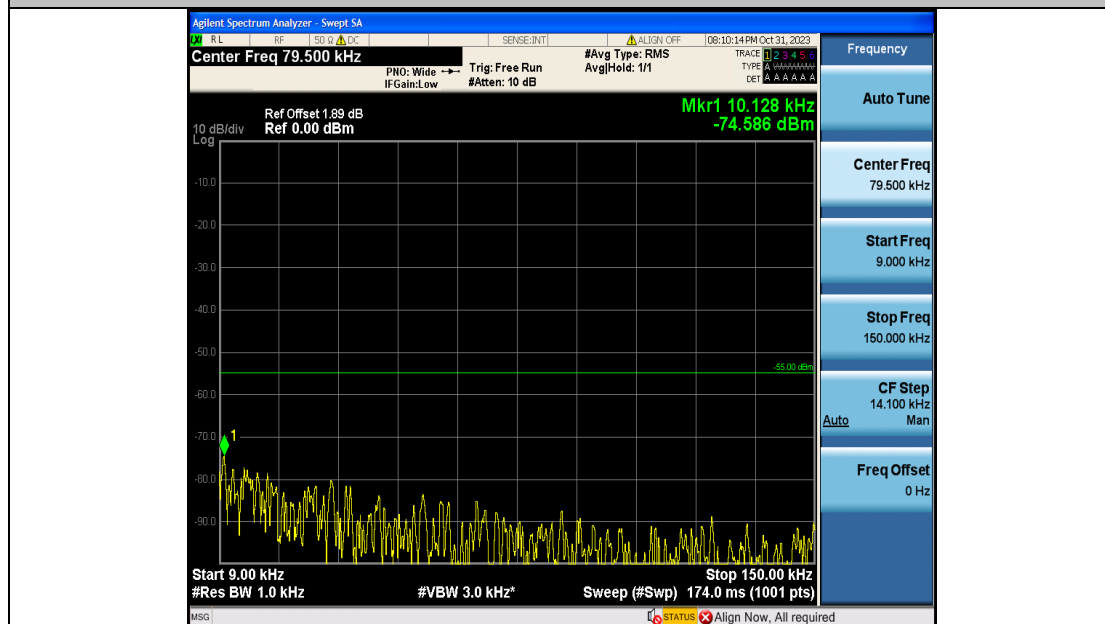




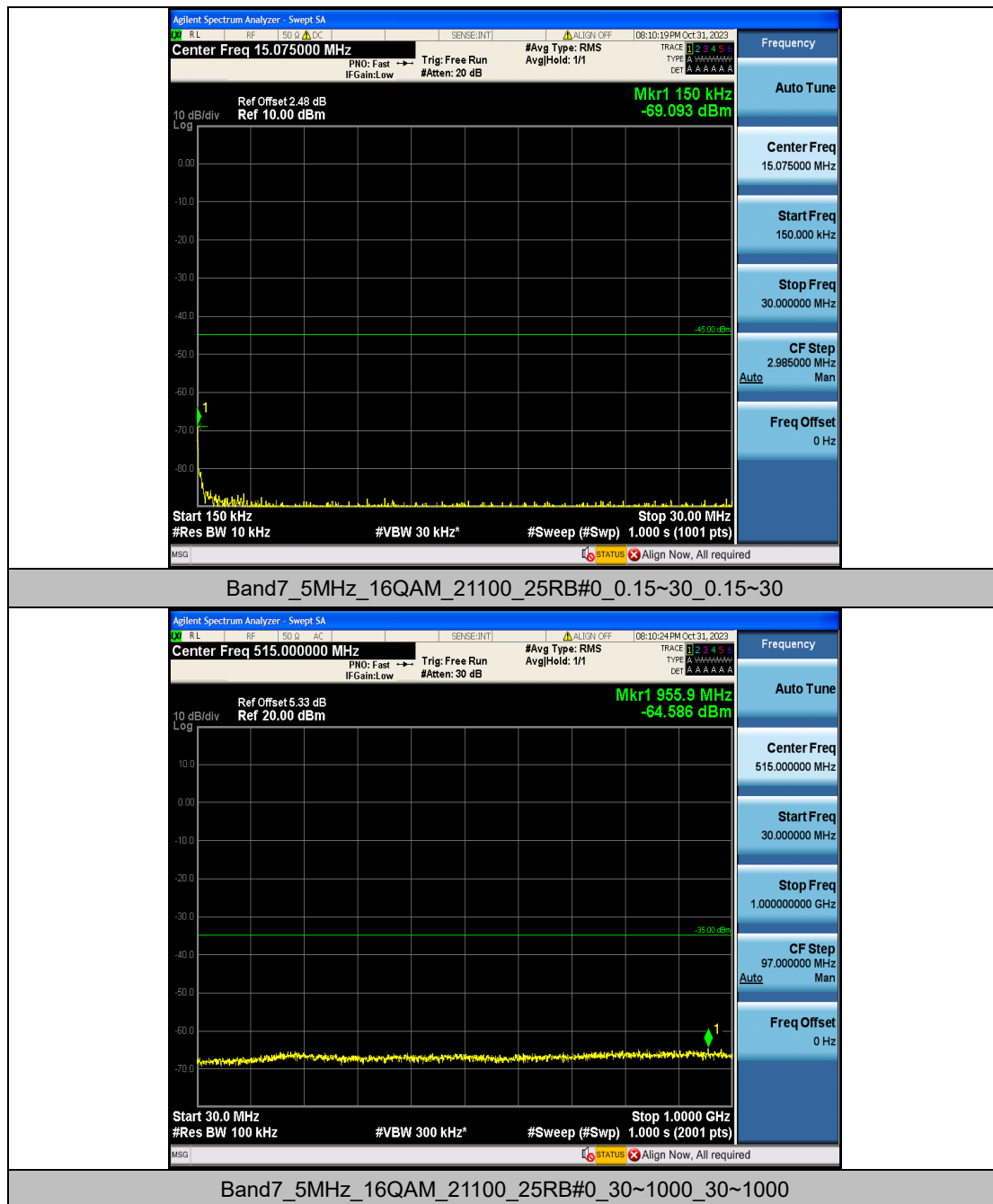


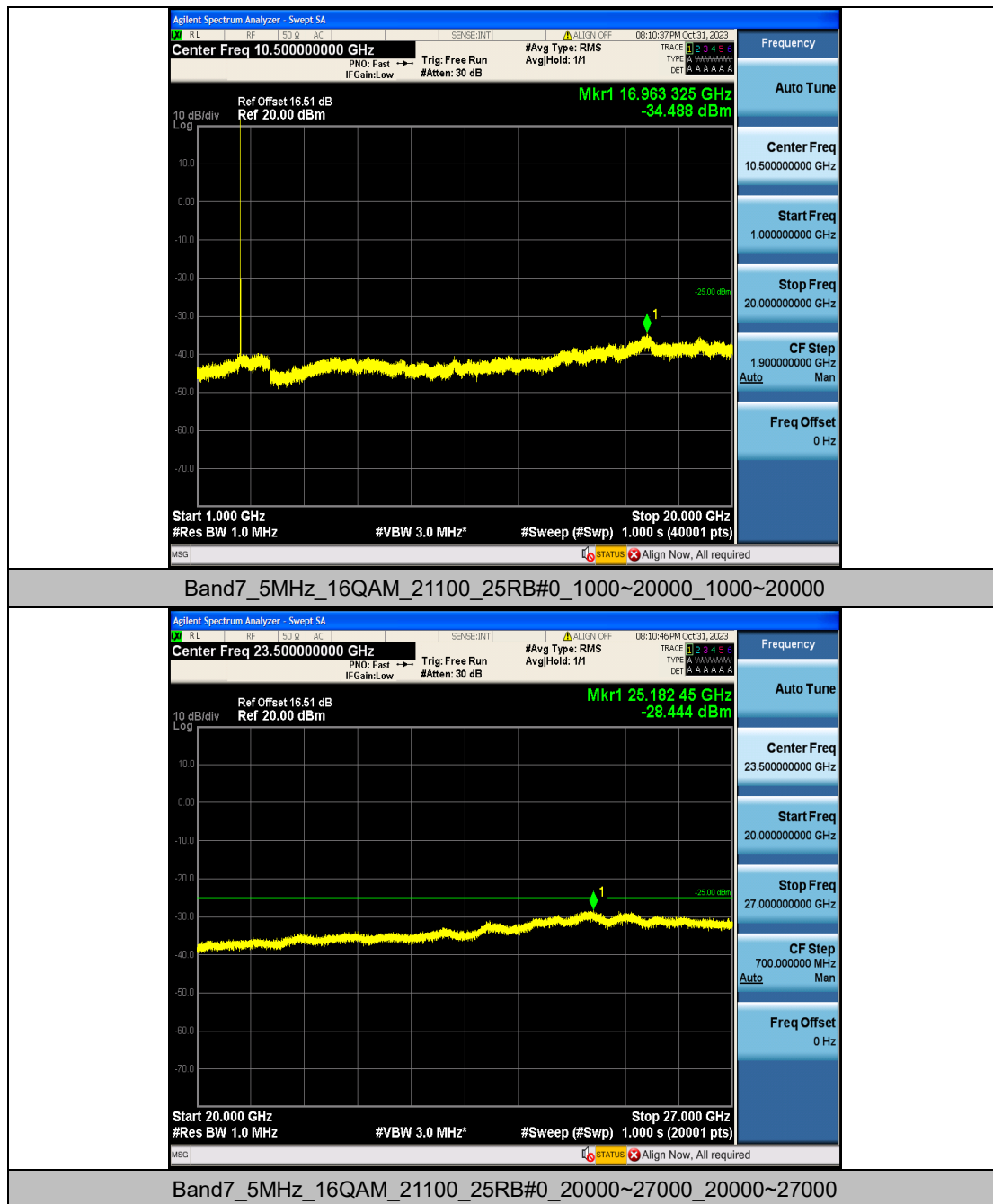


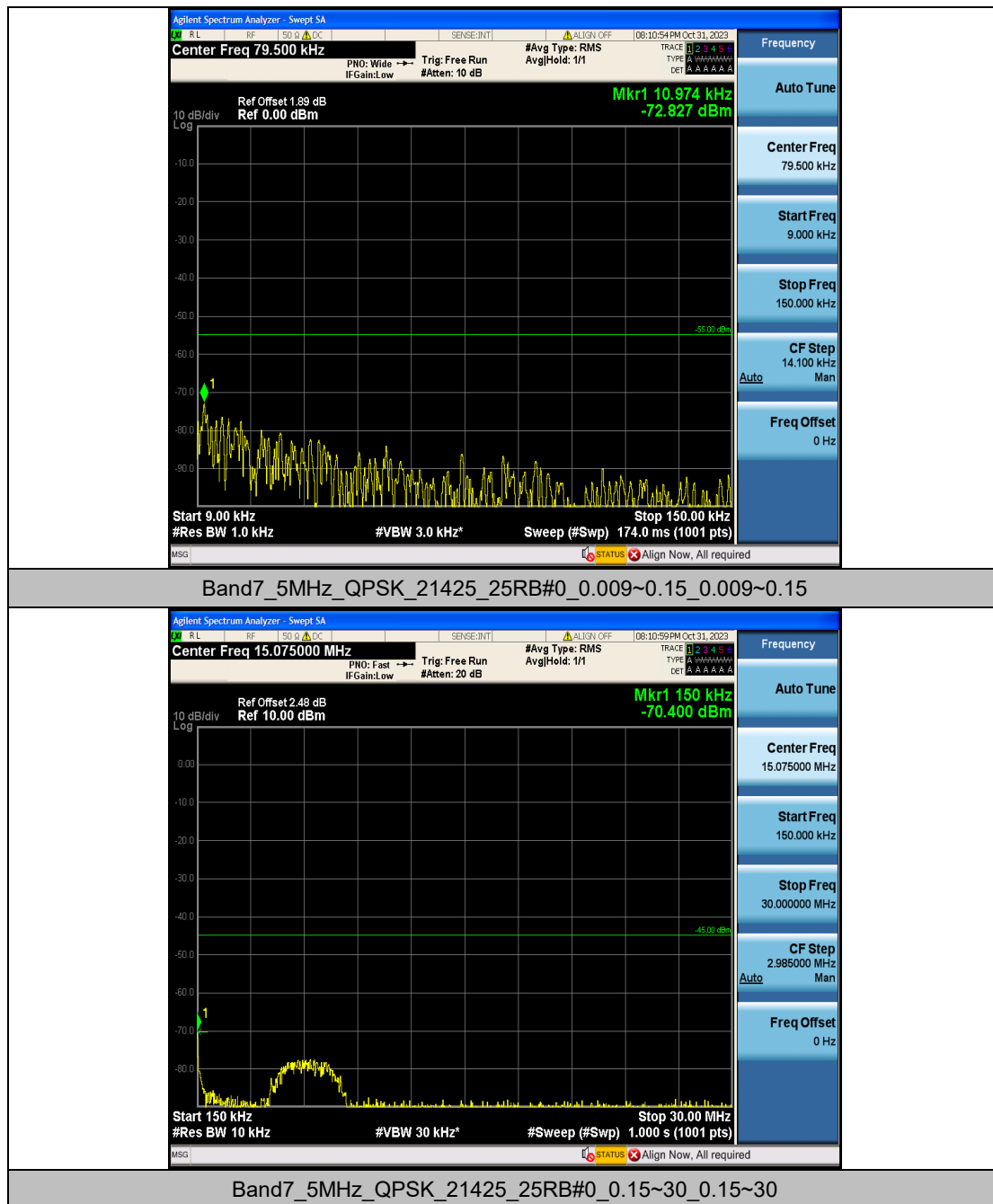
Band7_5MHz_QPSK_21100_25RB#0_20000~27000_20000~27000

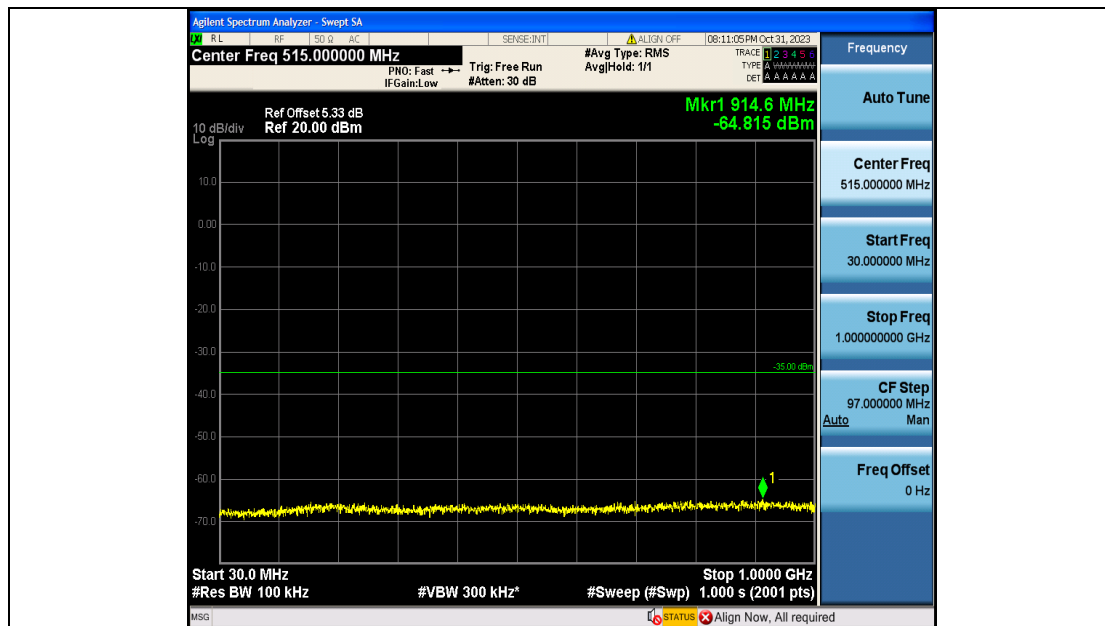


Band7_5MHz_16QAM_21100_25RB#0_0.009~0.15_0.009~0.15









Band7_5MHz_QPSK_21425_25RB#0_30~1000_30~1000



Band7_5MHz_QPSK_21425_25RB#0_1000~20000_1000~20000

