

FCC Appendix RF Test Data for LTE Band 7

Product Name: AI camera

Test Model: K7 max, K8 max

Environmental Conditions

Temperature:	23.4°C
Relative Humidity:	54.9%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

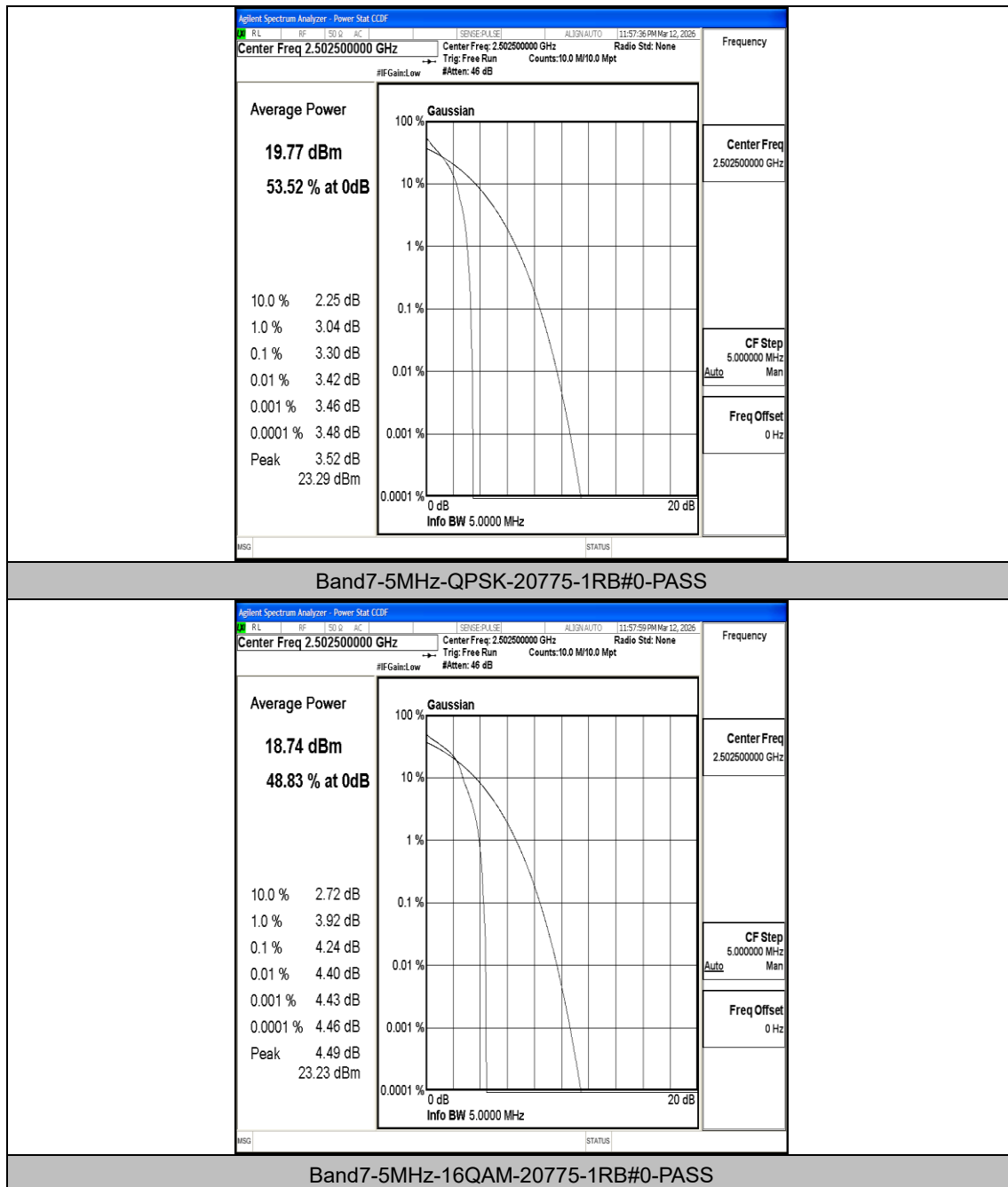
A Peak-to-Average Ratio(CCDF)

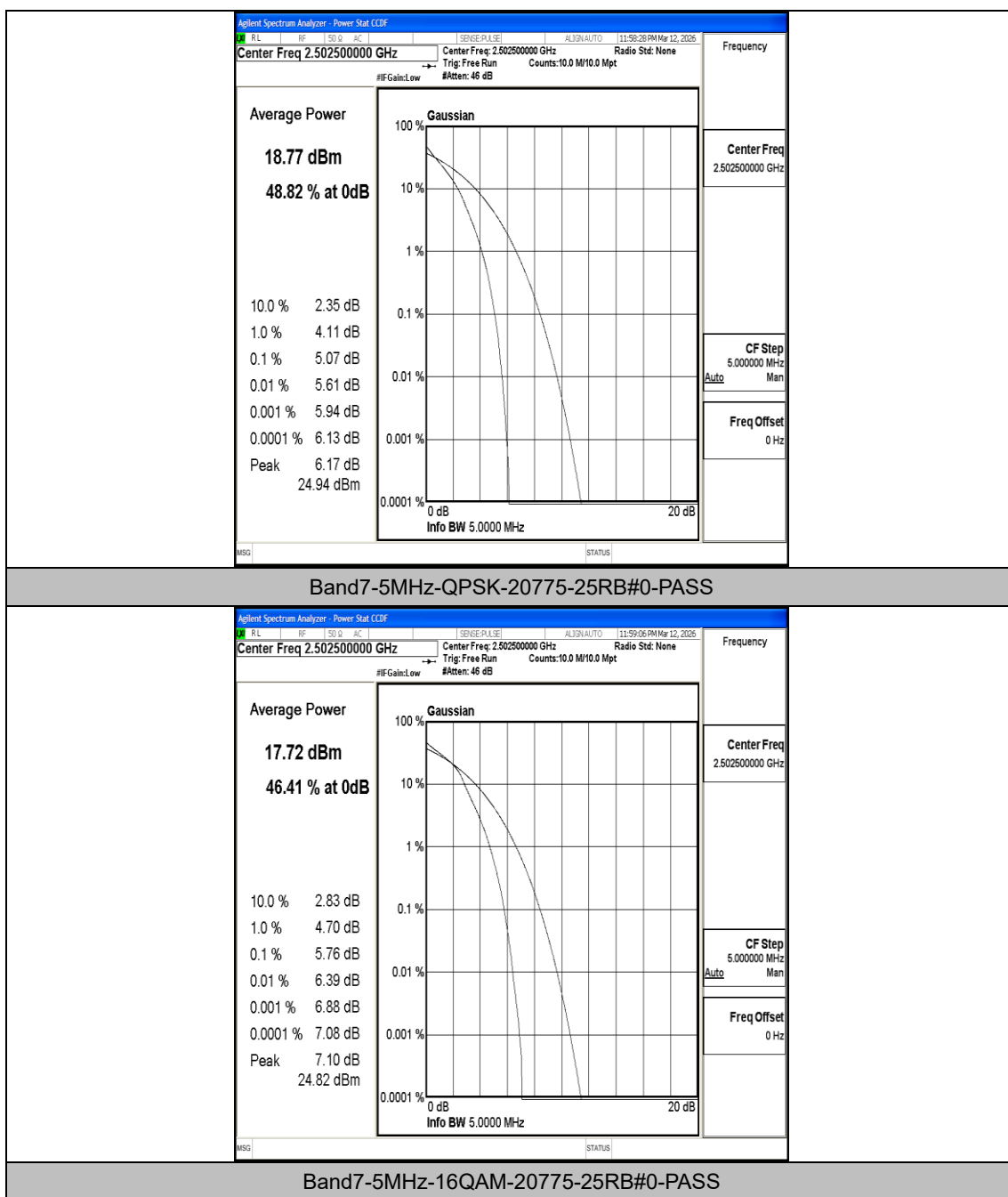
Test Result

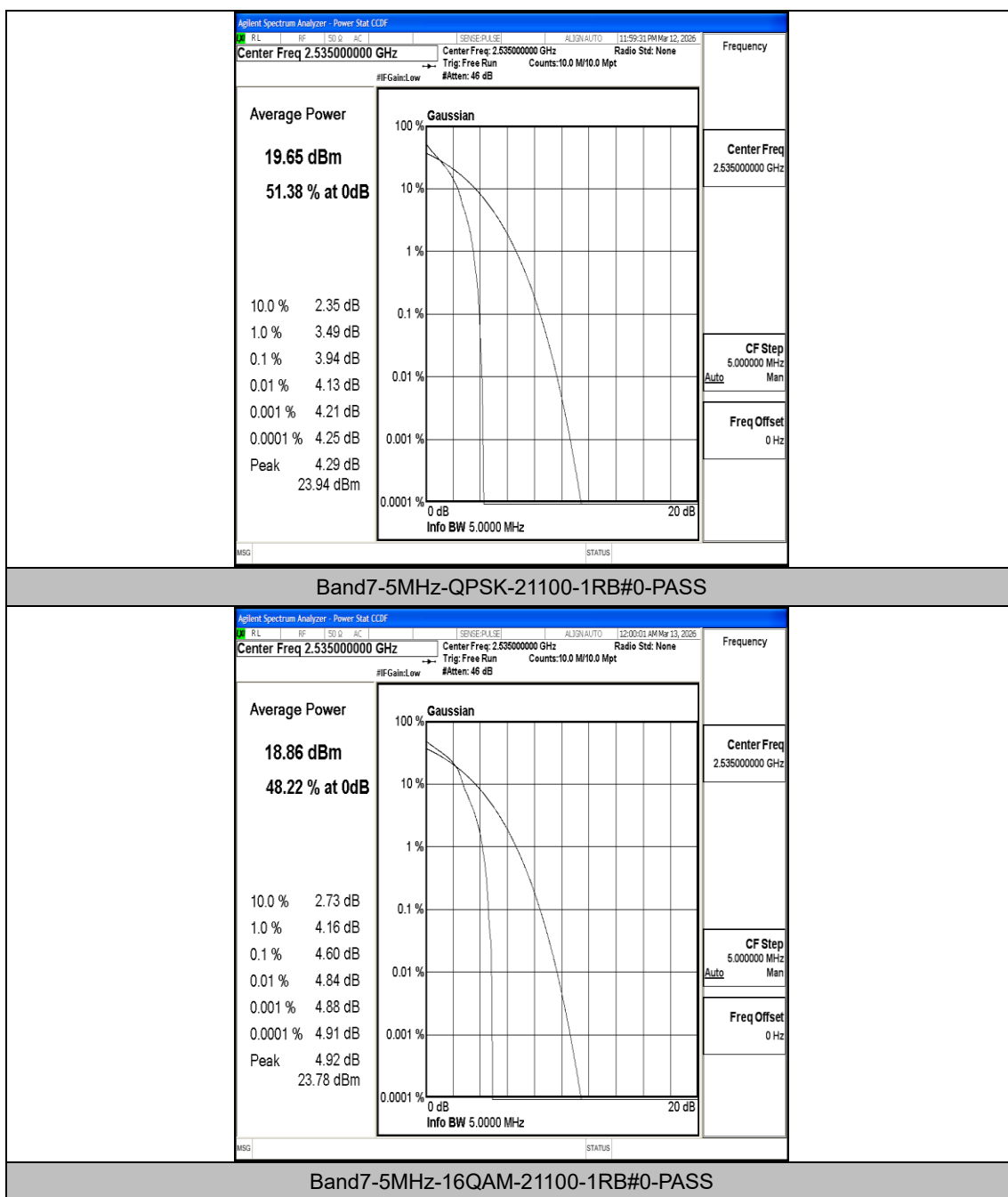
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.30	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.24	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	5.07	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.76	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.94	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.60	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.01	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.72	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	5.02	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.52	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.60	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.26	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.25	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.29	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.07	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.81	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	4.44	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	5.19	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.90	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.67	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	4.80	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	5.42	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.50	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	6.22	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.35	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.10	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.45	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.01	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	4.75	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.34	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.97	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.66	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.73	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.36	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.72	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.28	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.34	13	PASS

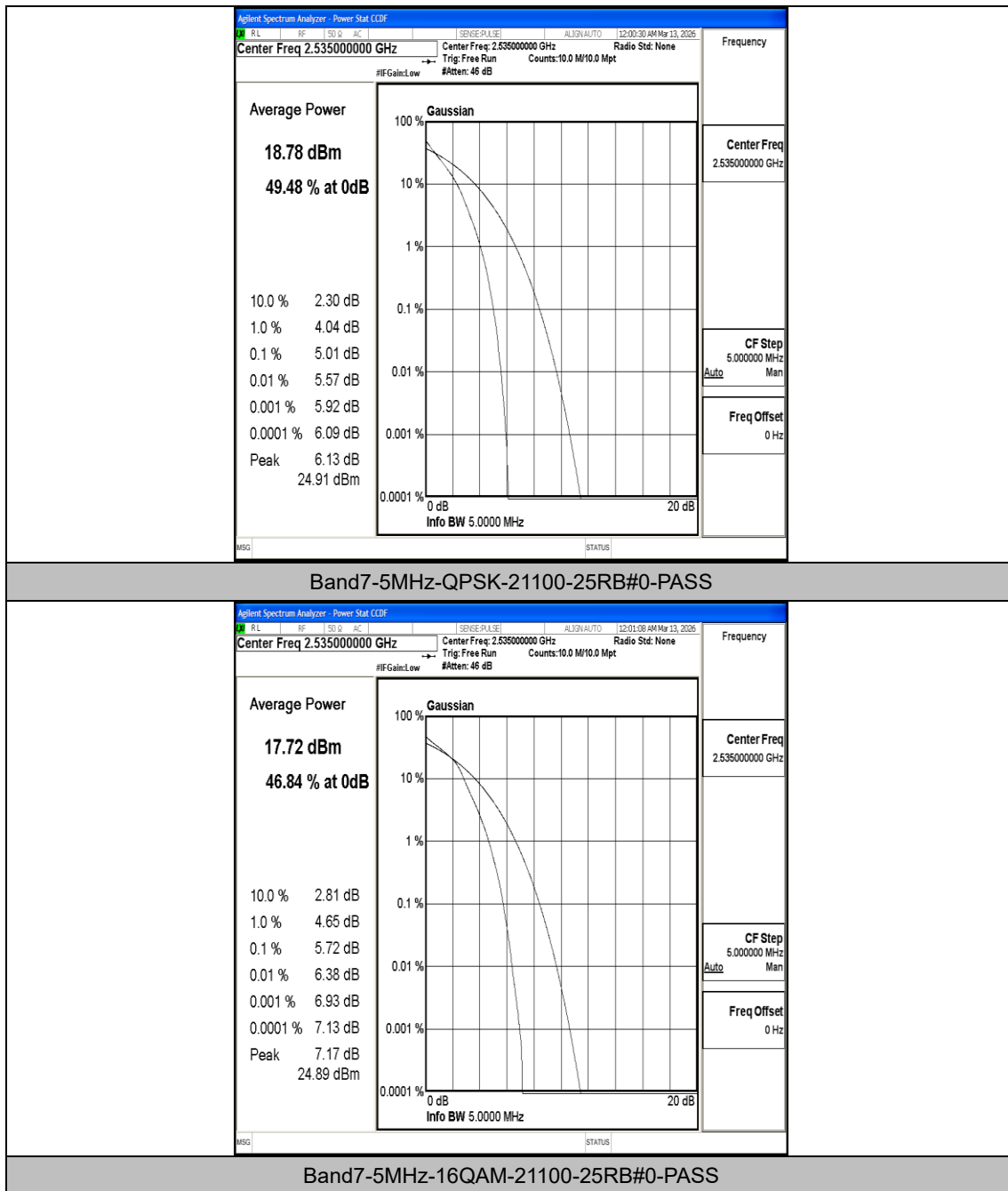
Band7	20MHz	16QAM	20850	1RB#0	4.04	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.39	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.11	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.93	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	5.36	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.85	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.66	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	2.74	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	3.29	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.39	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.14	13	PASS

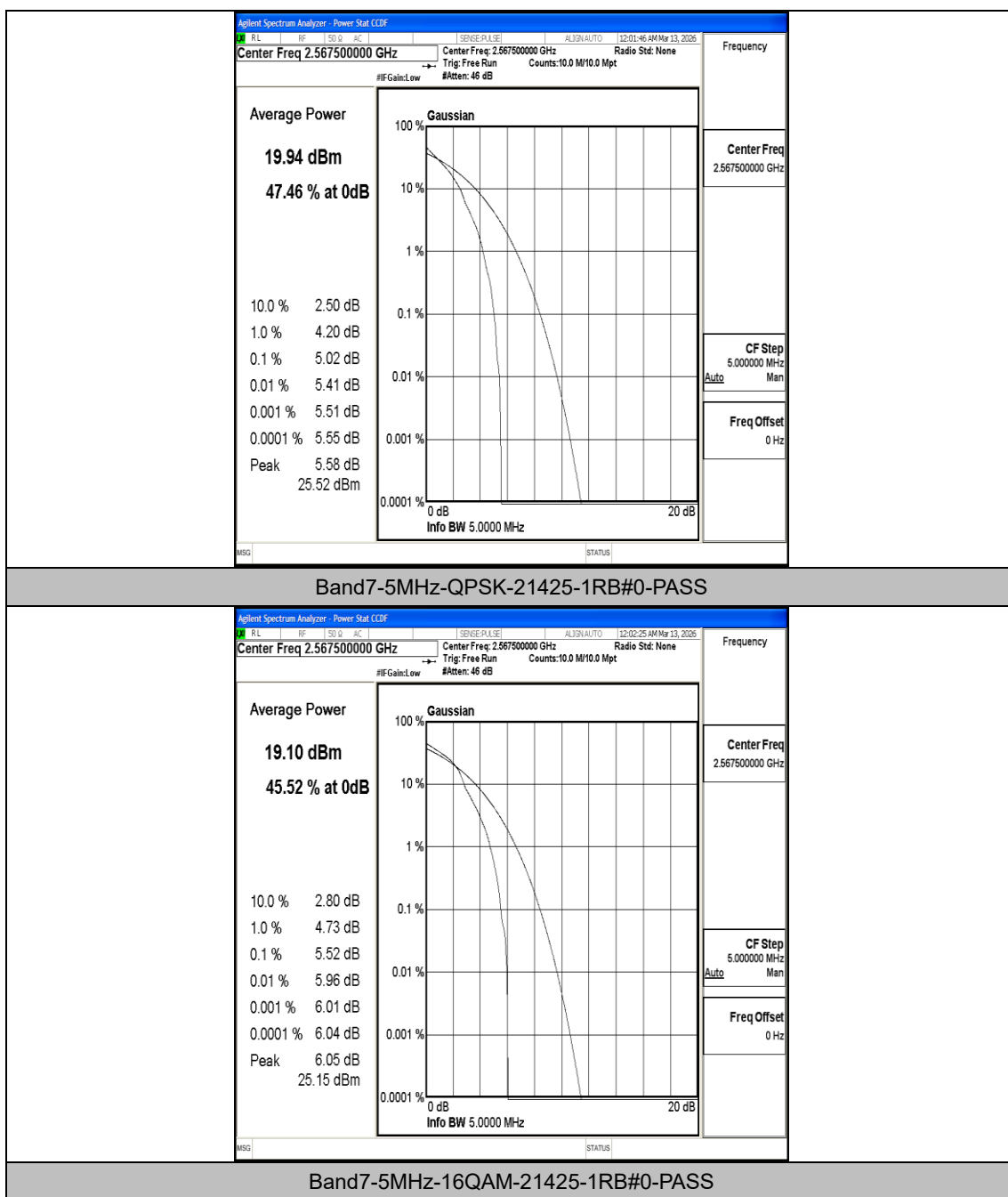
Test Graphs

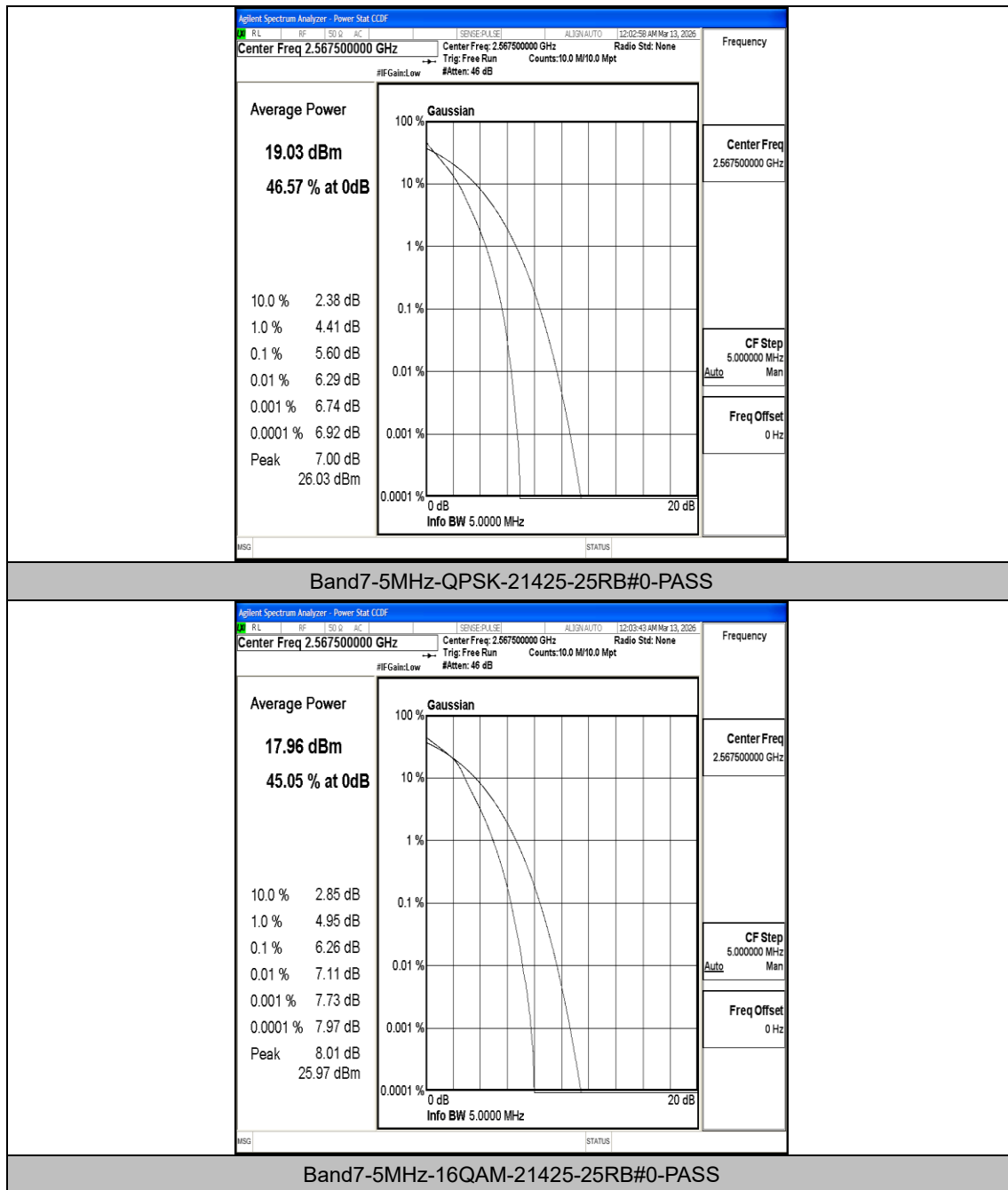


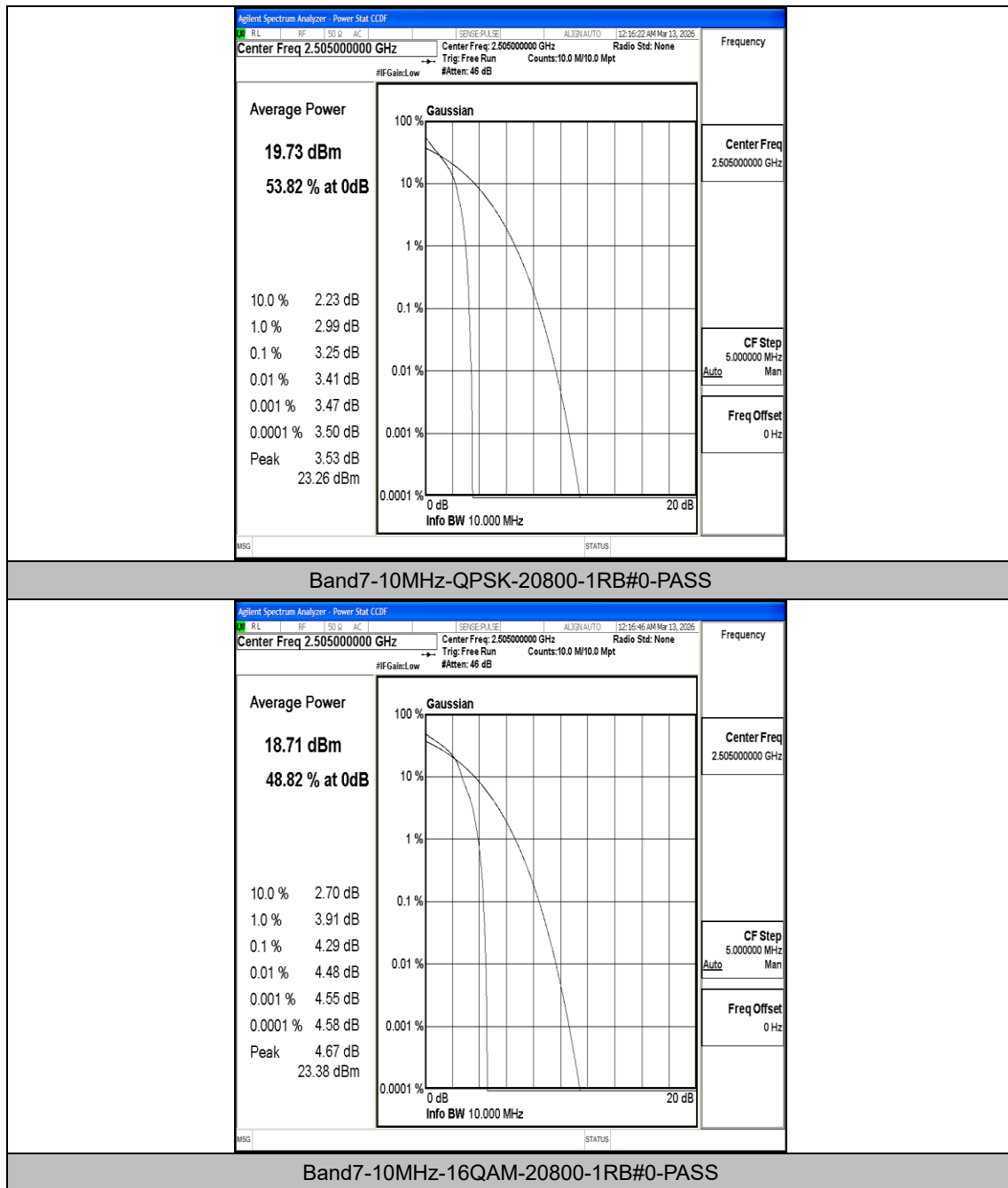


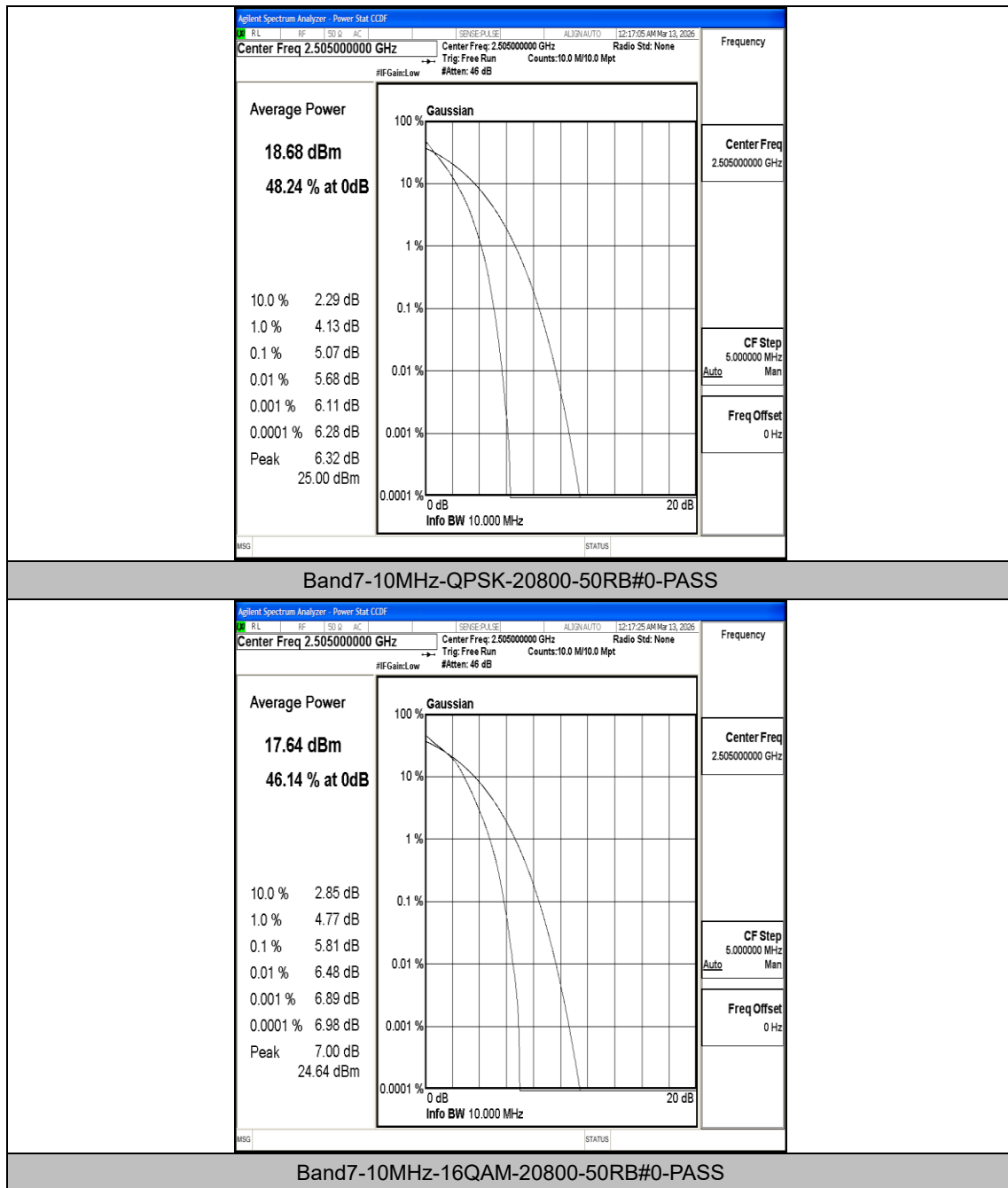


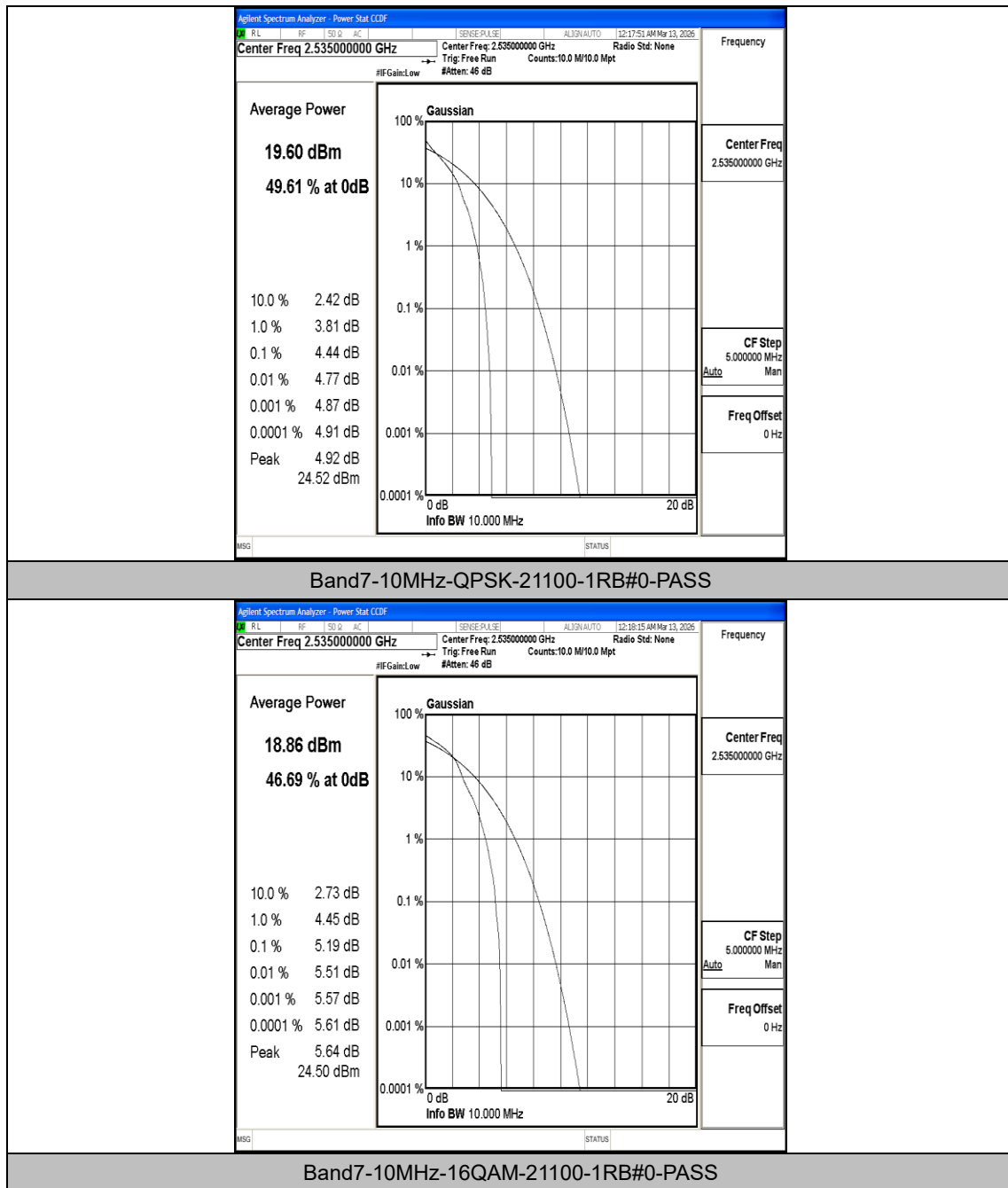


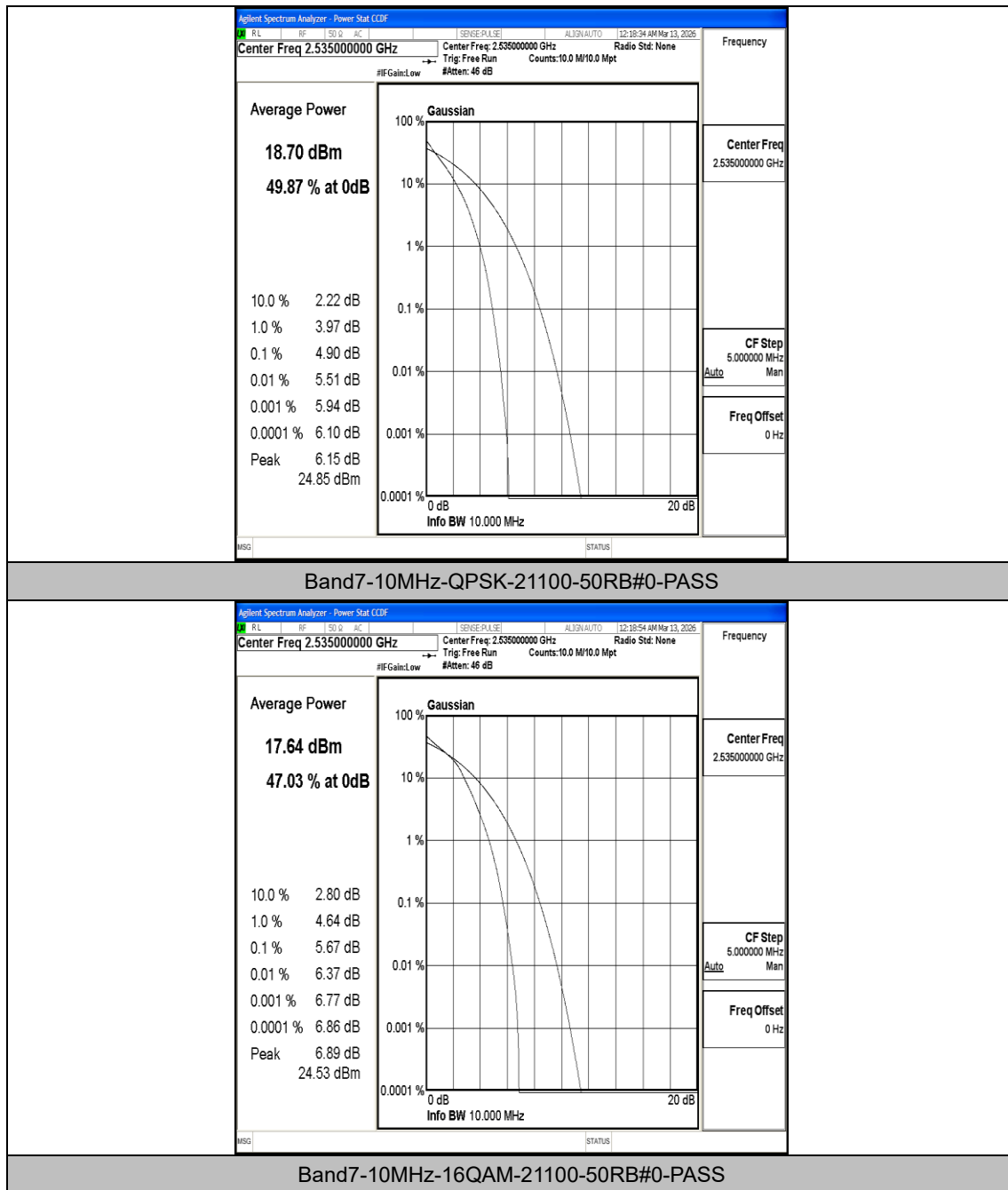


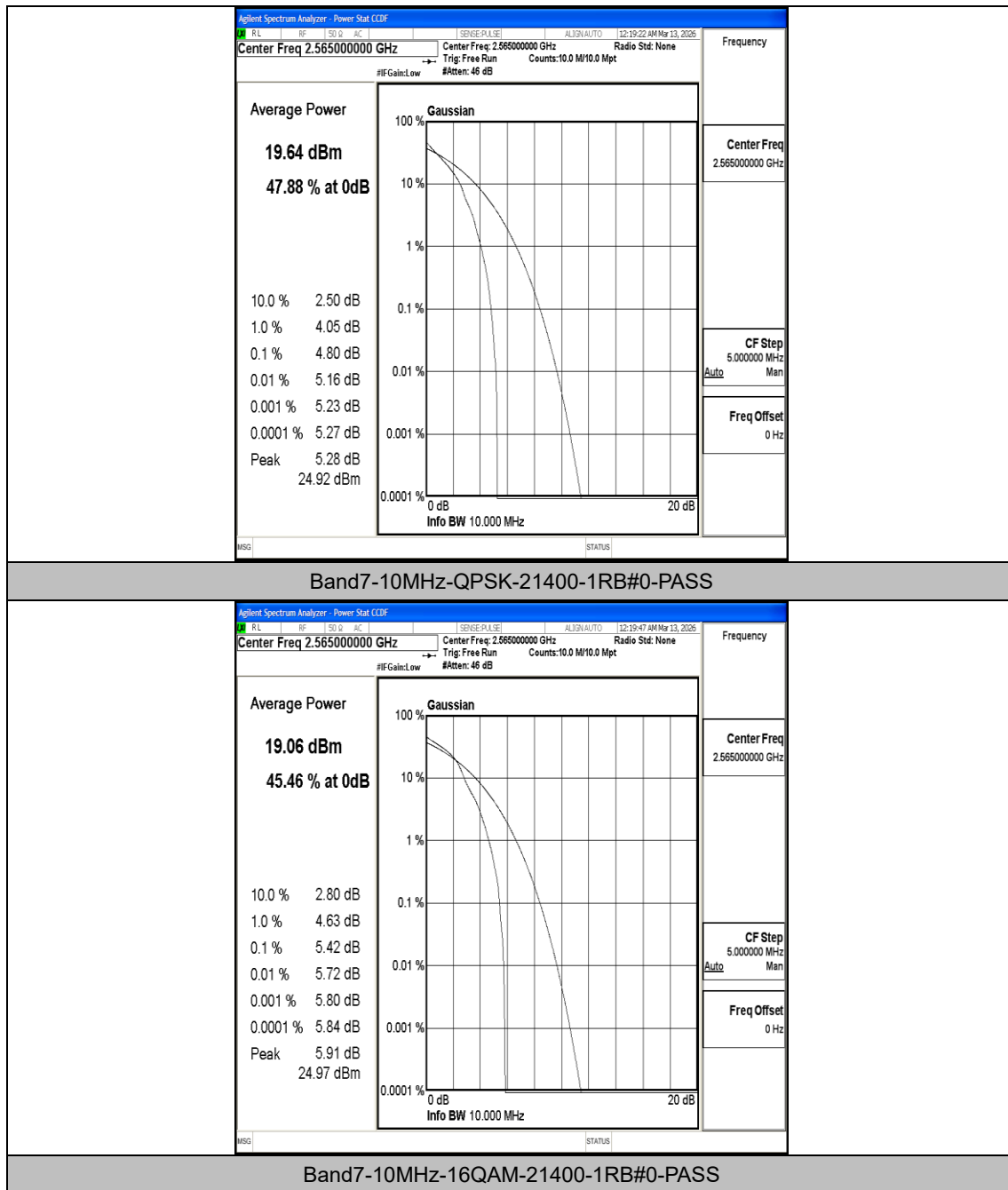


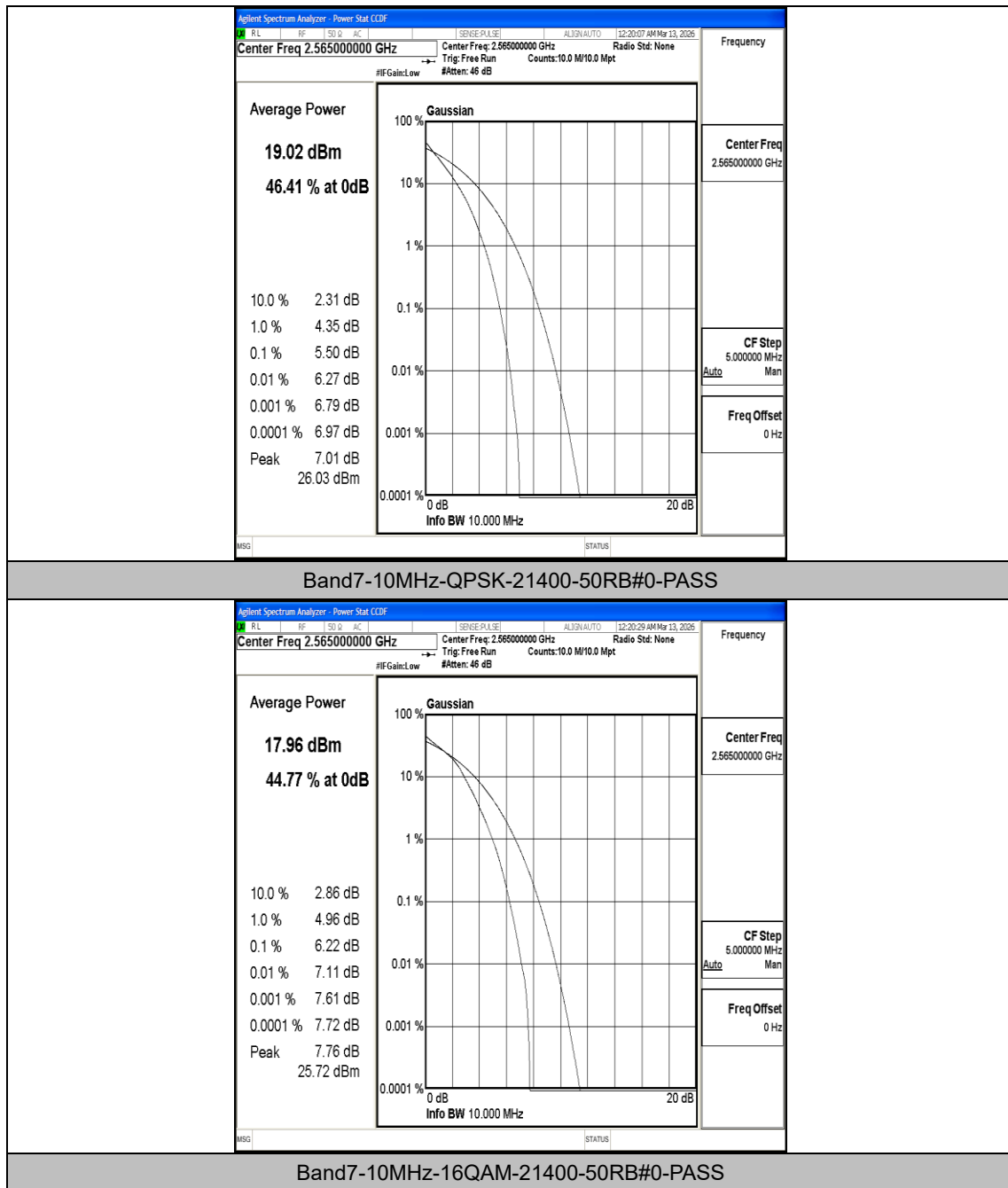


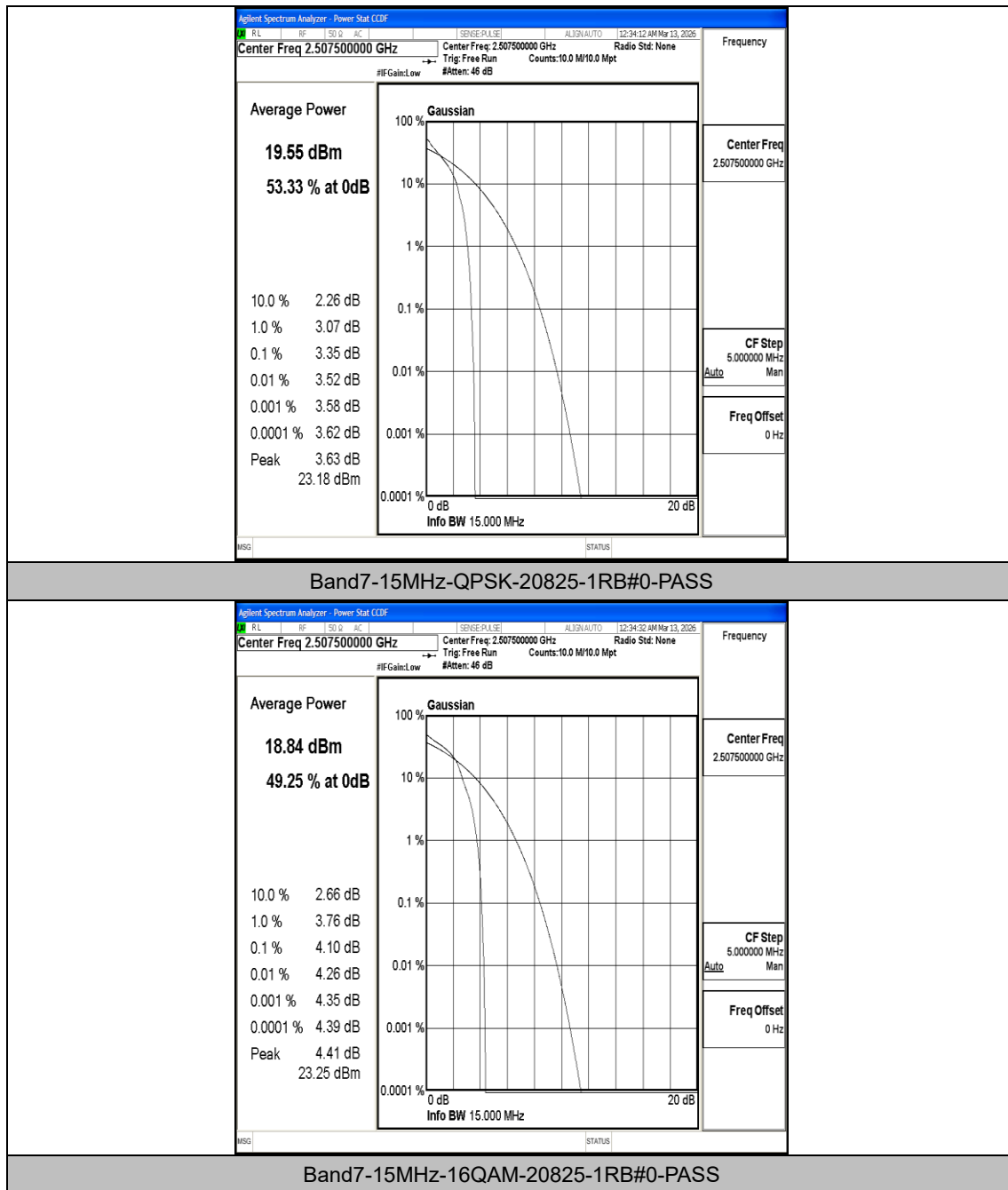


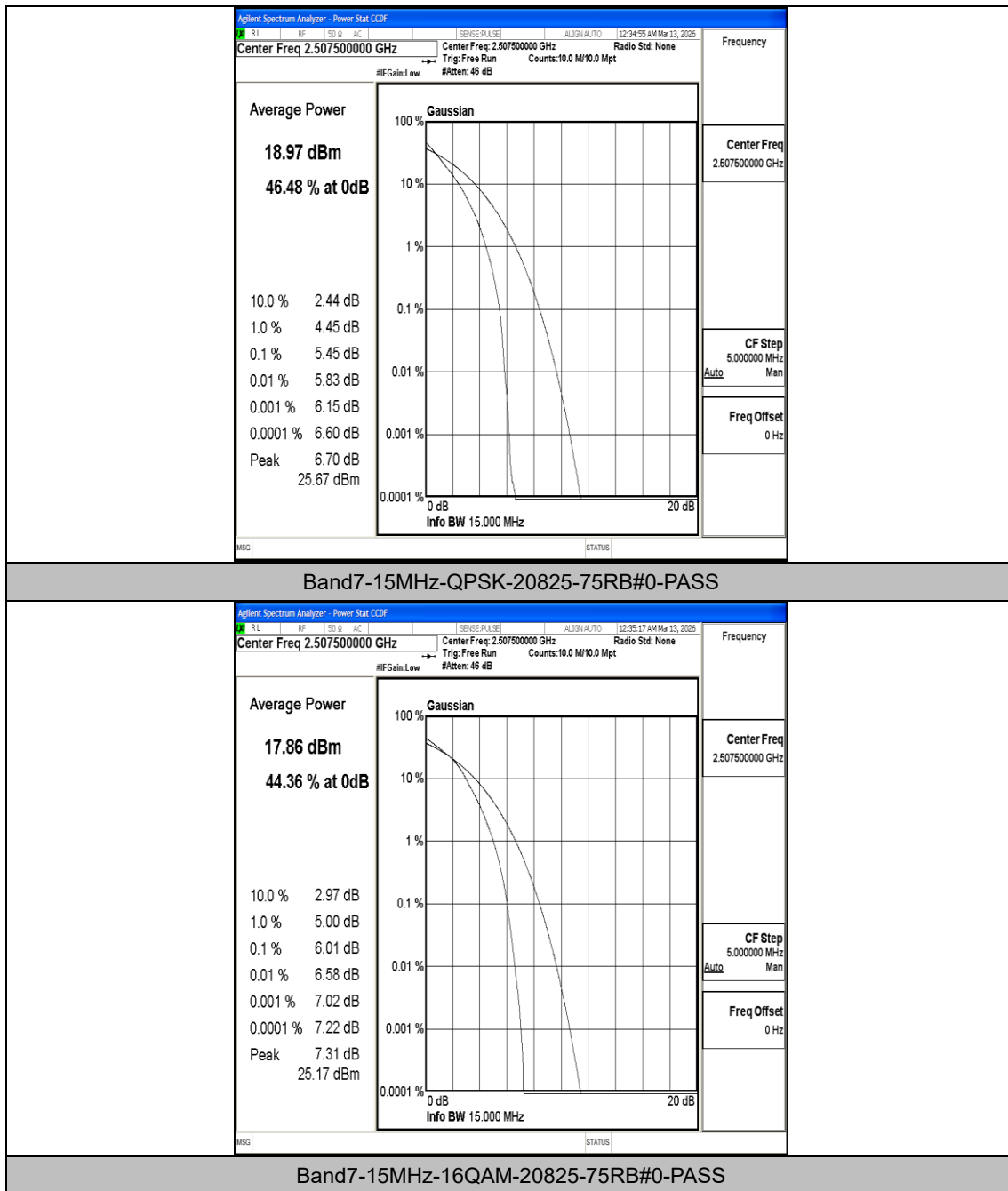


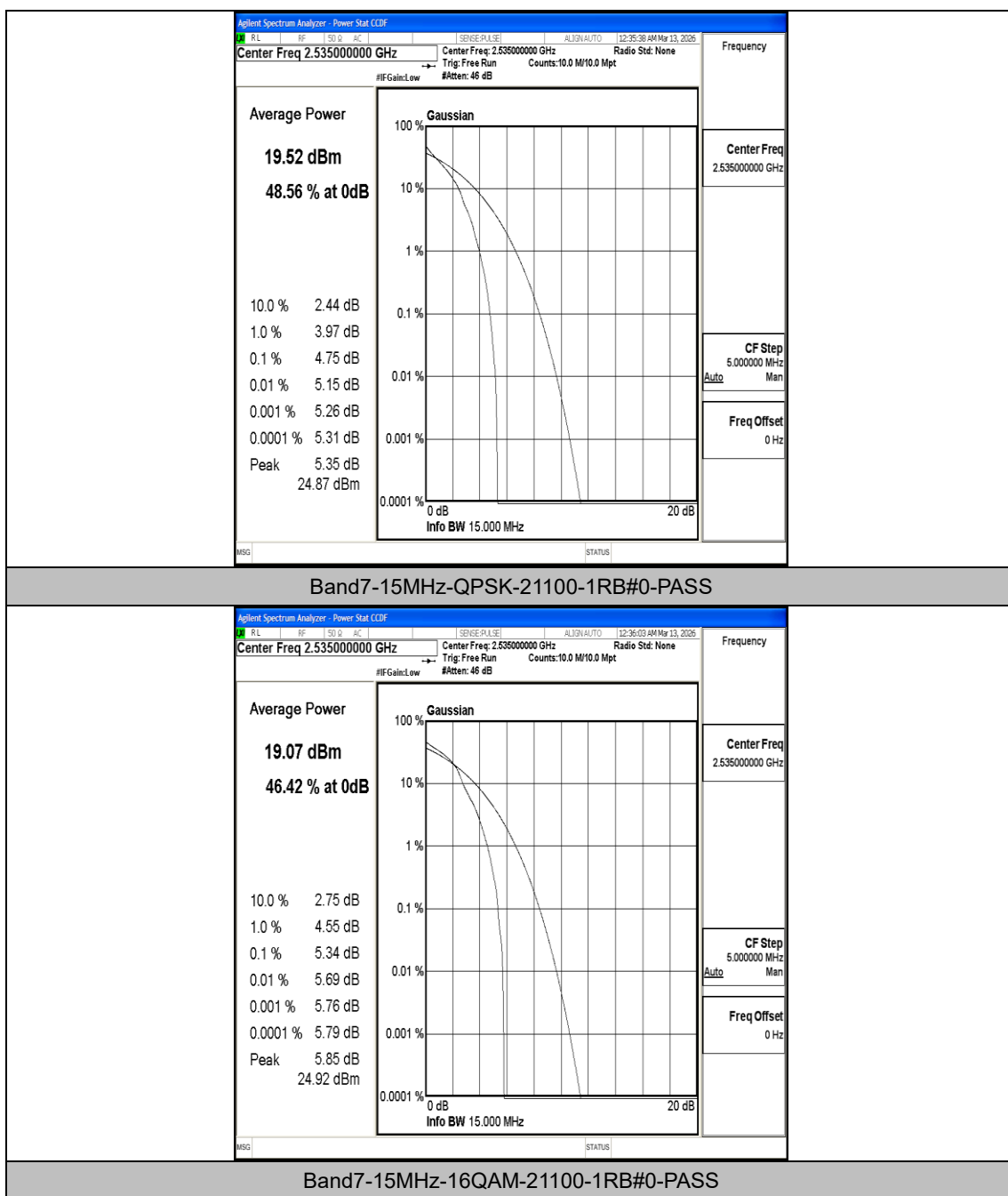


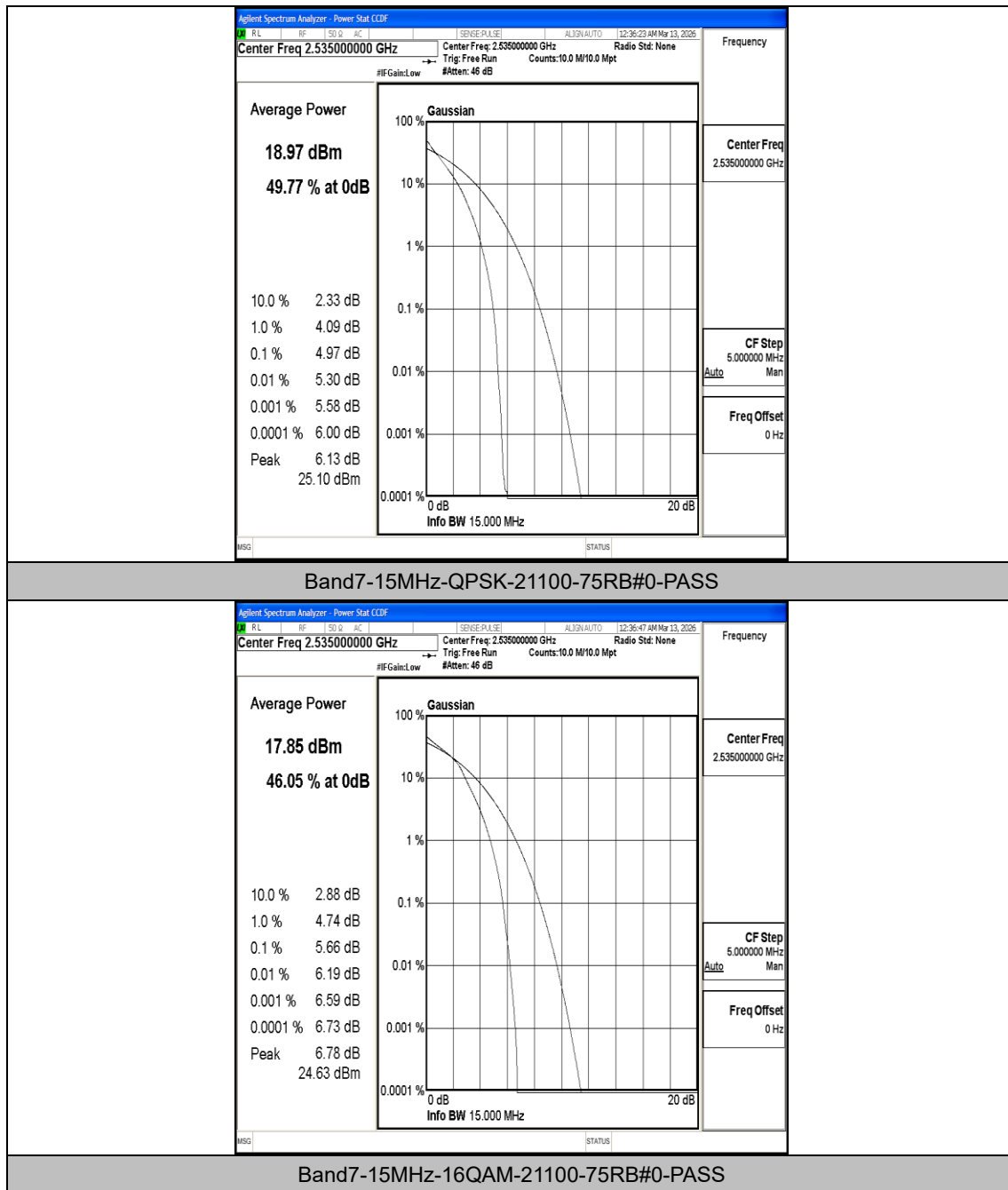


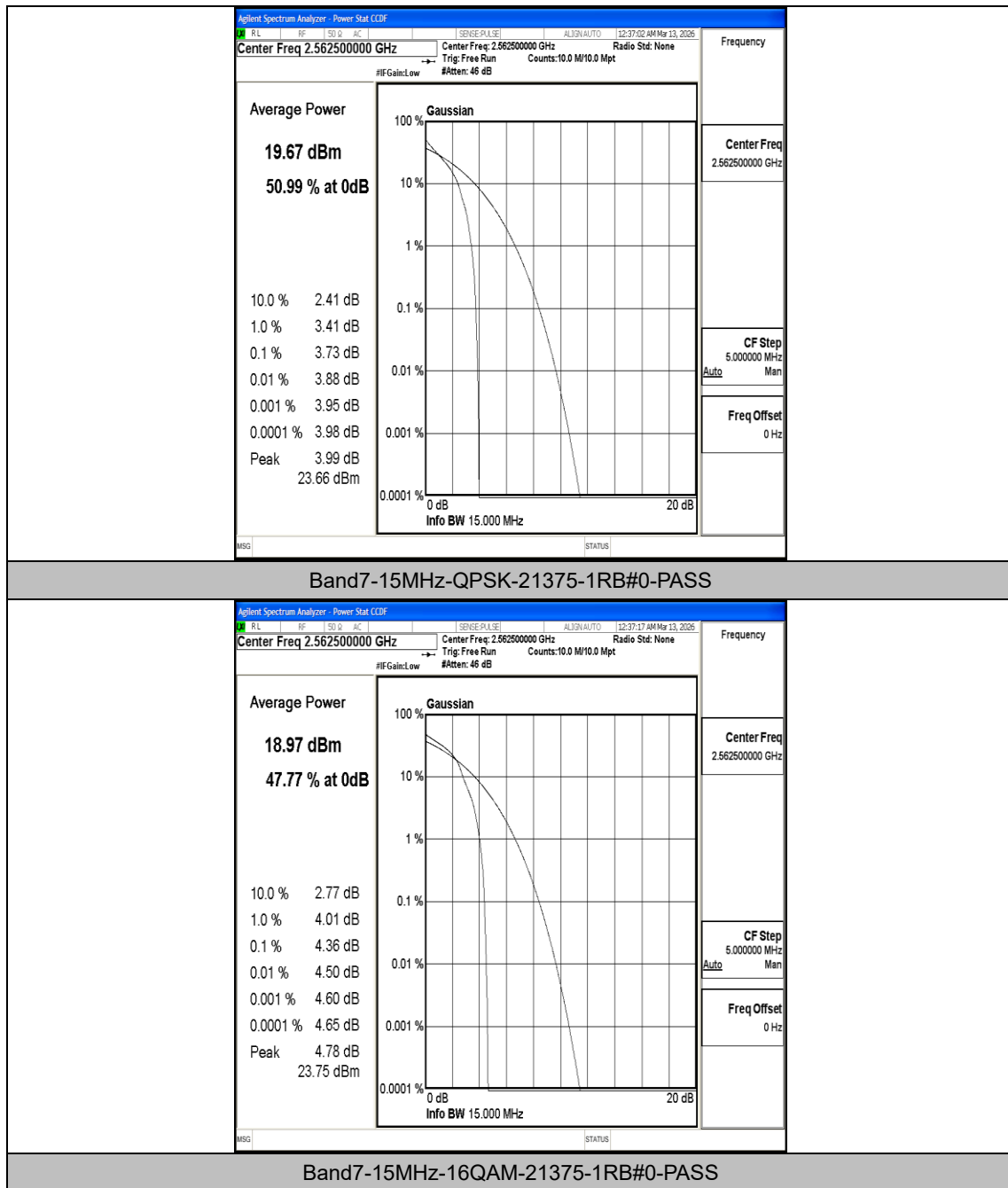


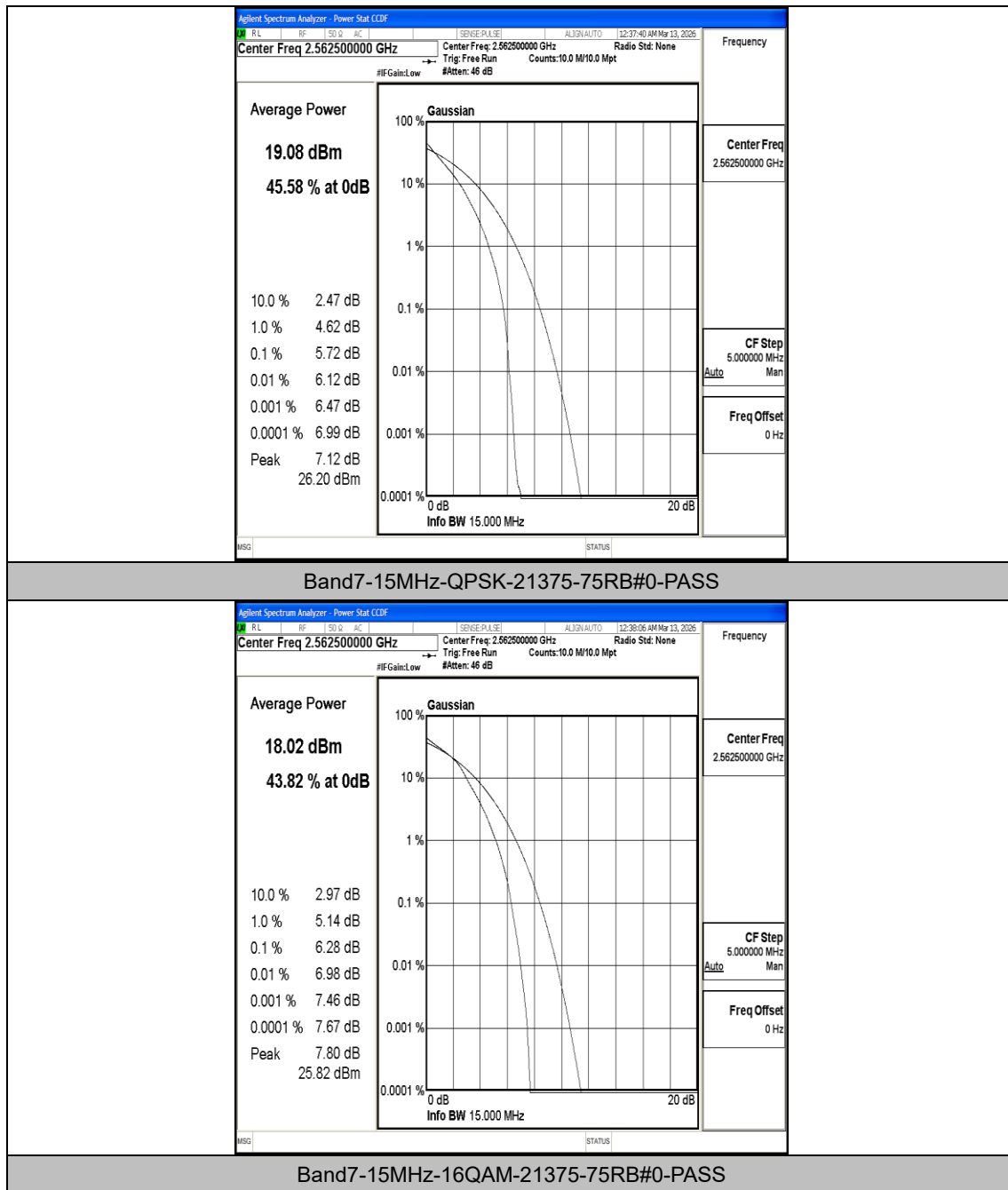


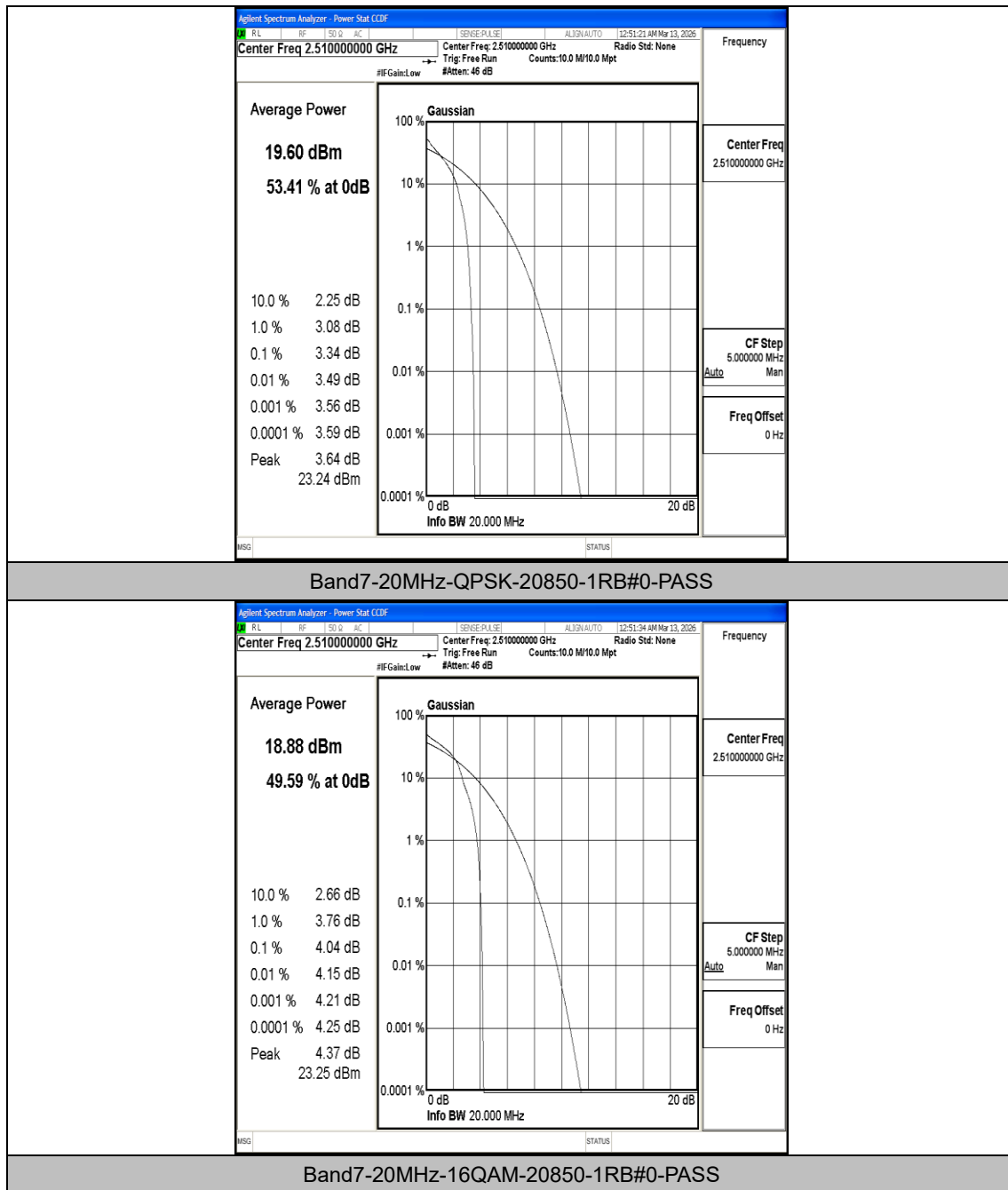


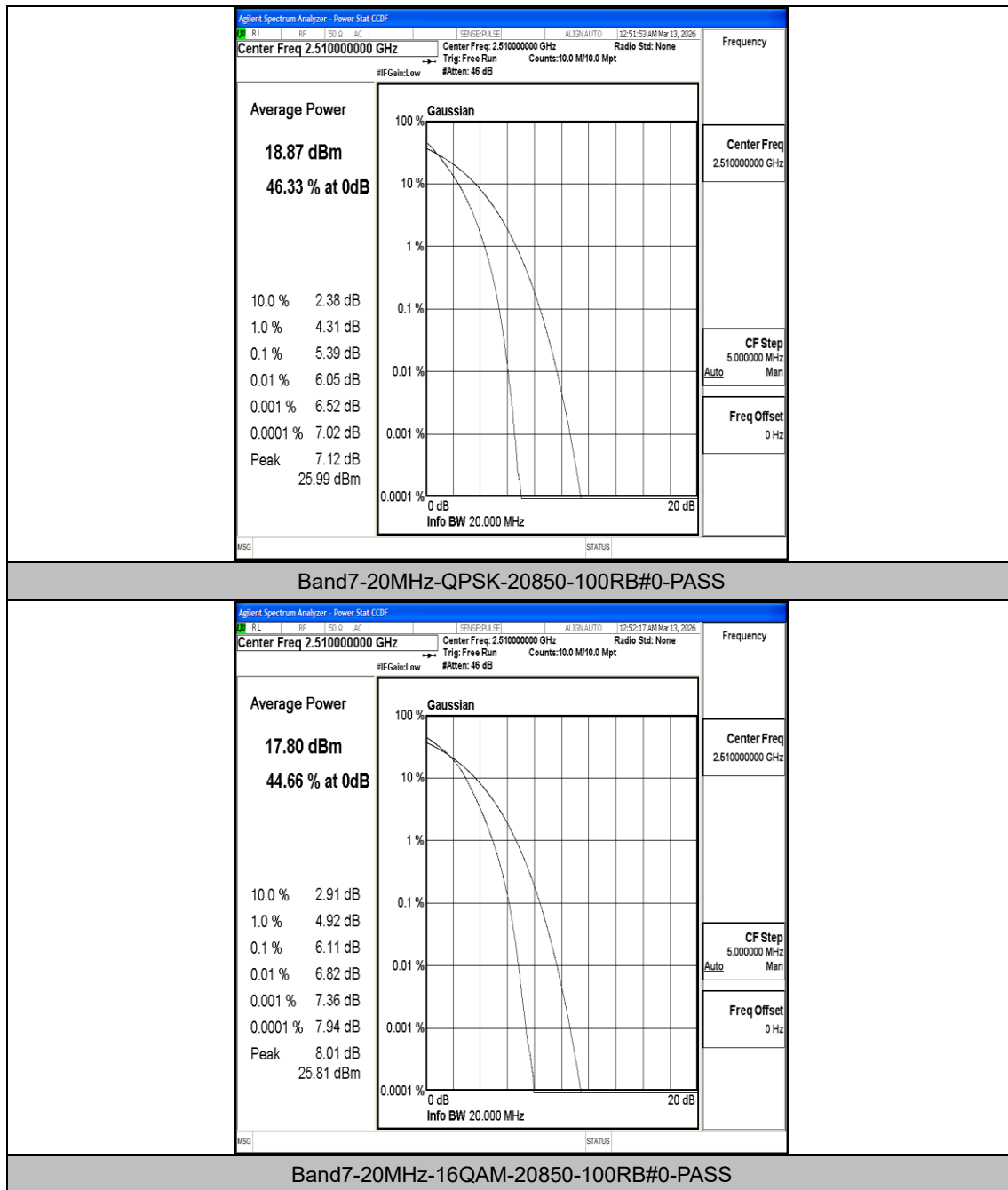


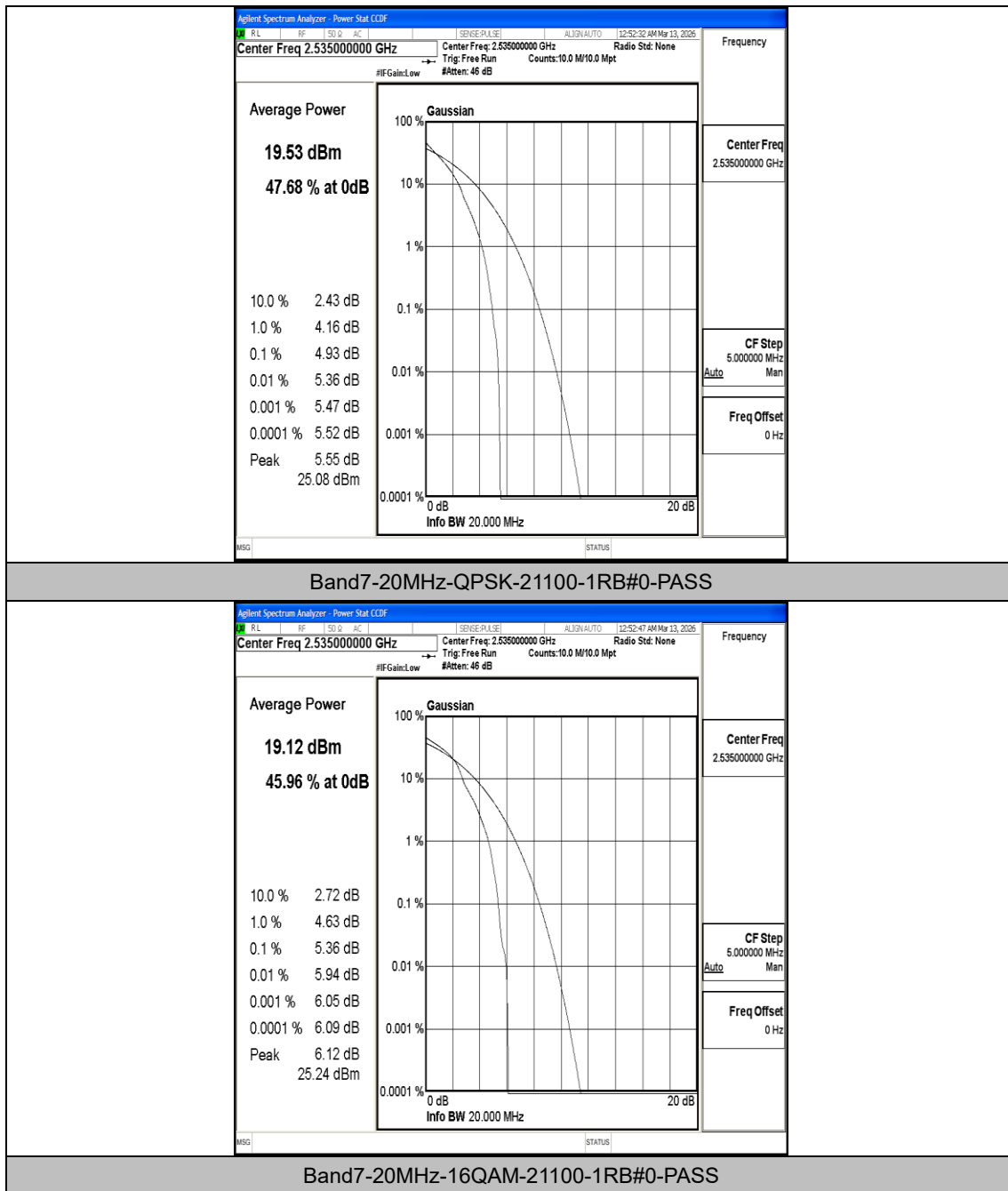


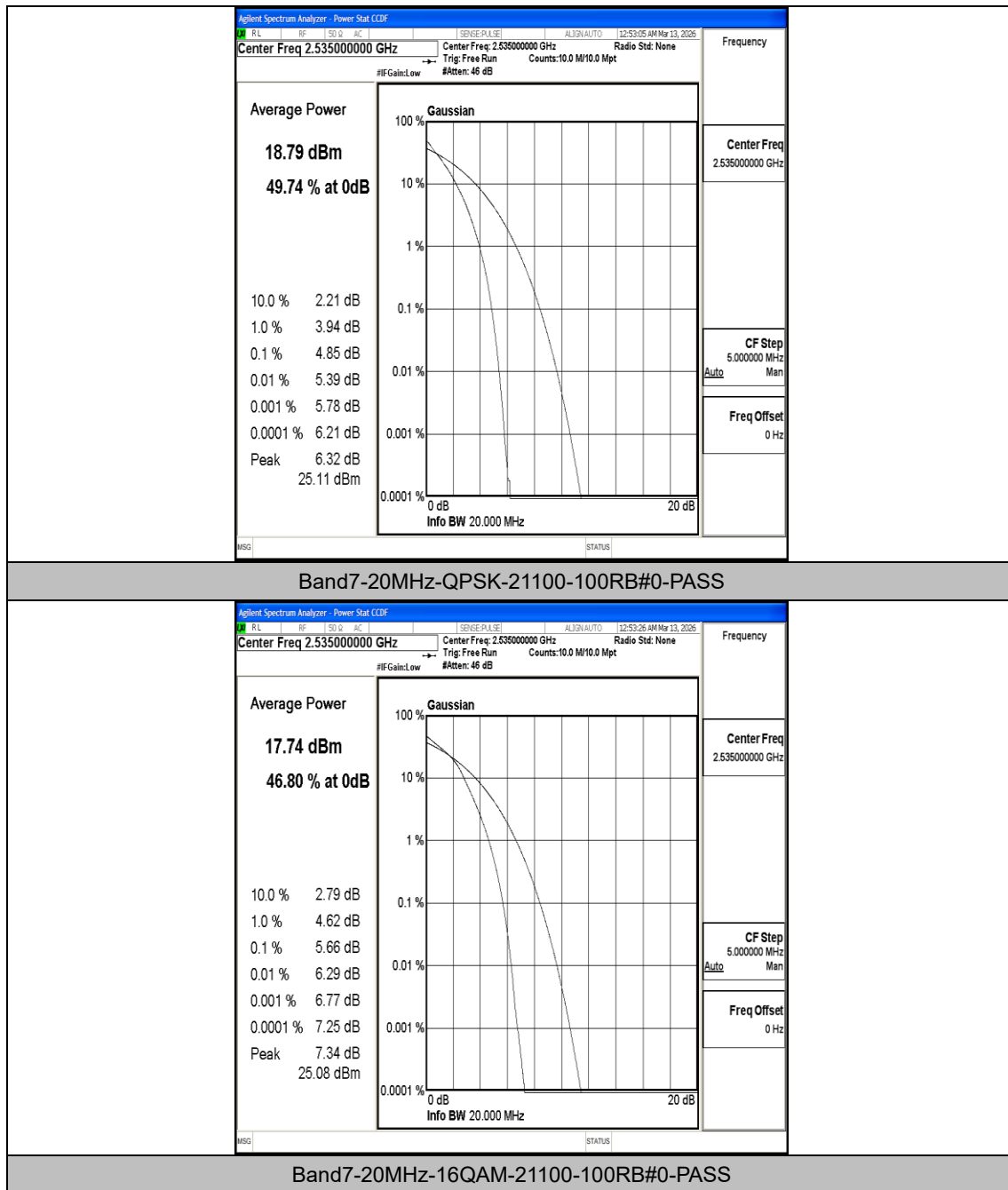


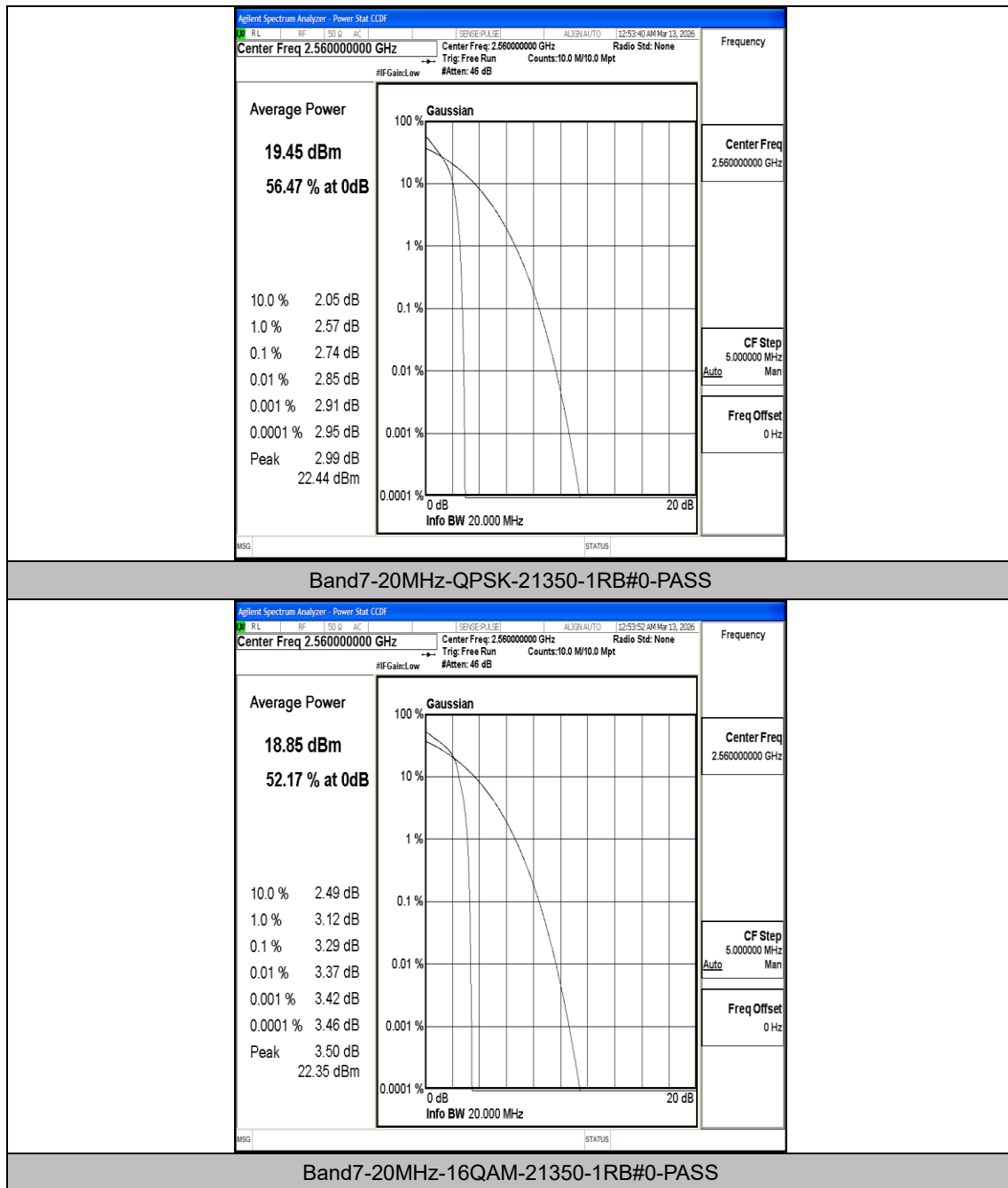


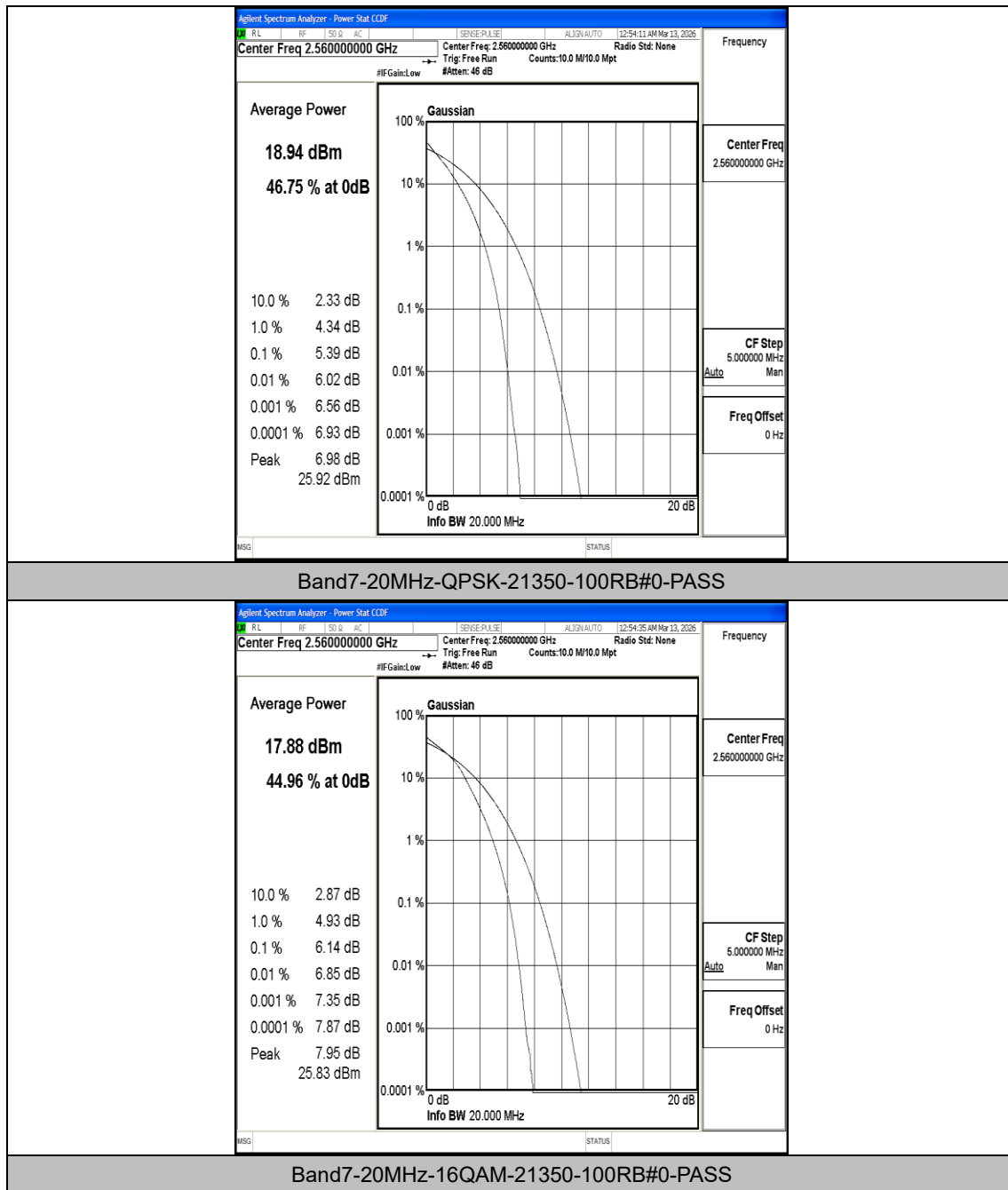










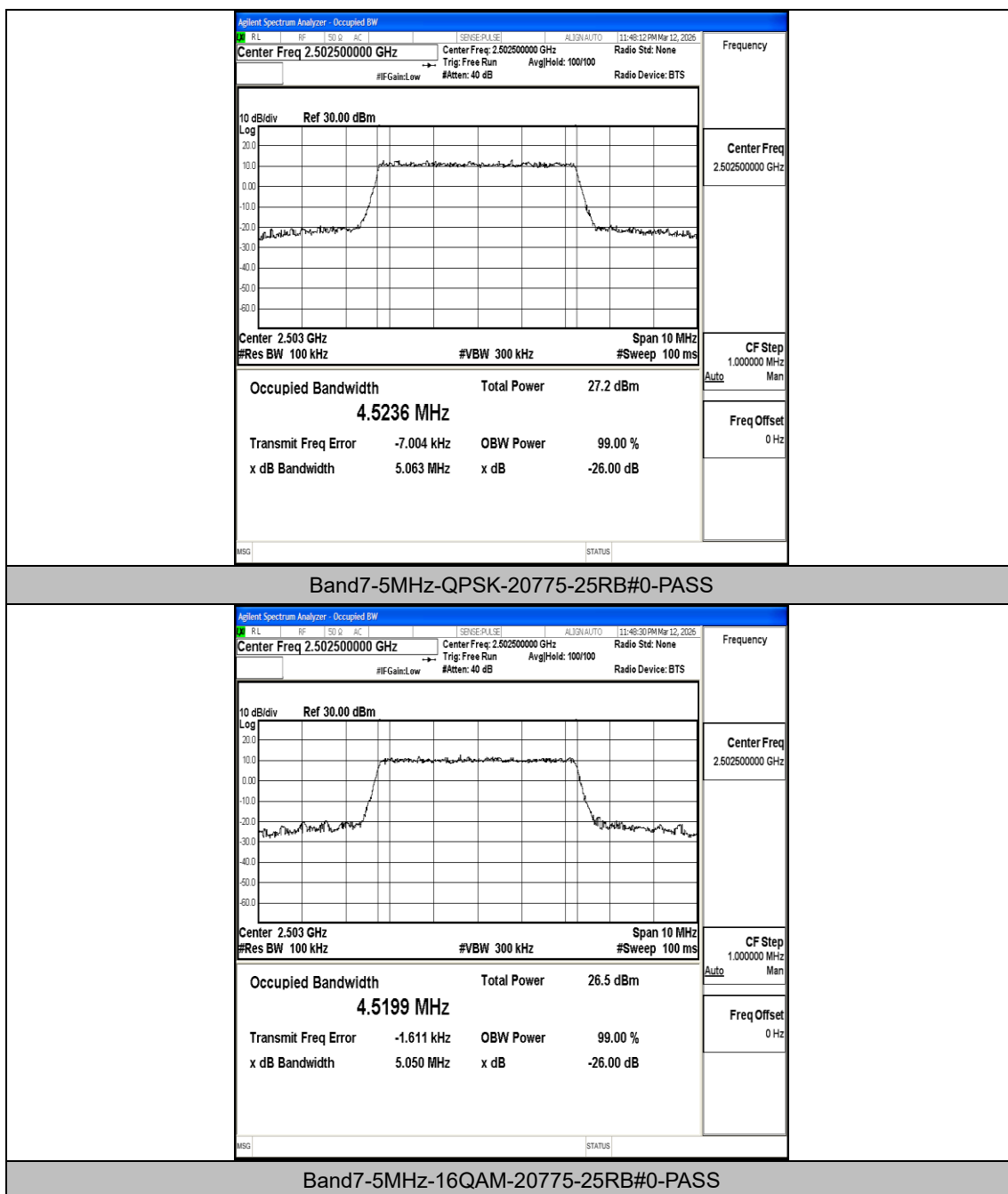


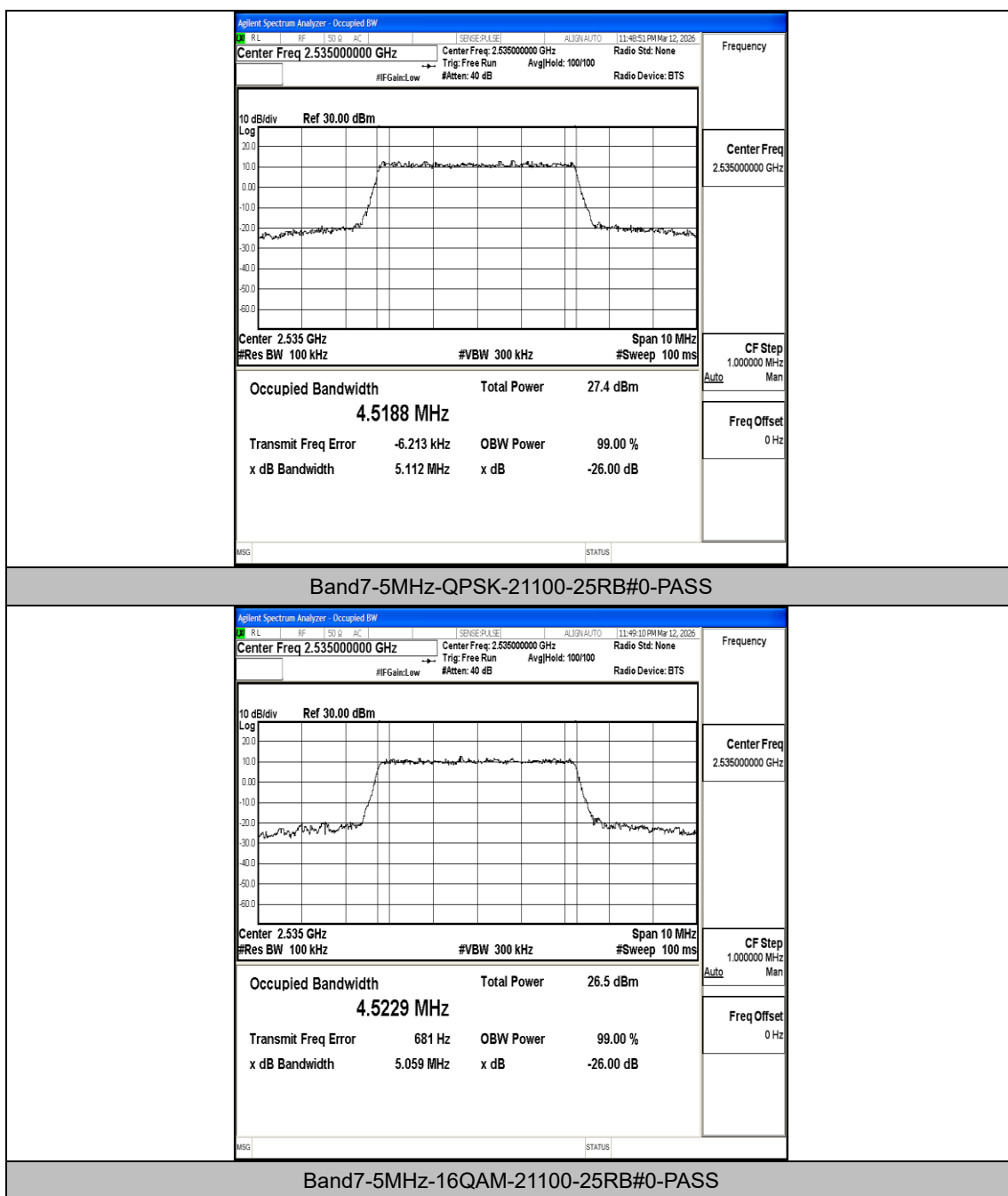
B 26dB Bandwidth and Occupied Bandwidth

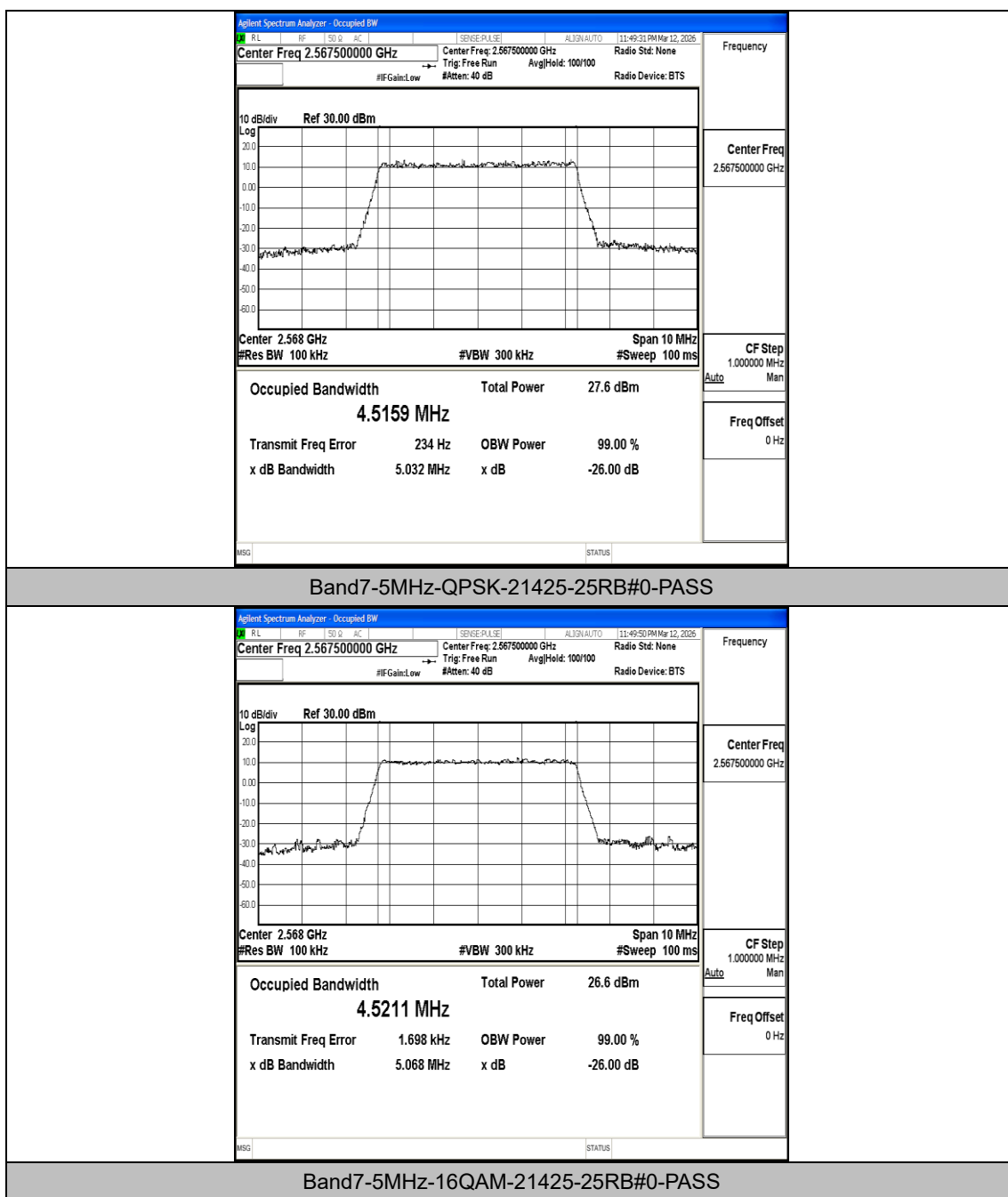
Test Result

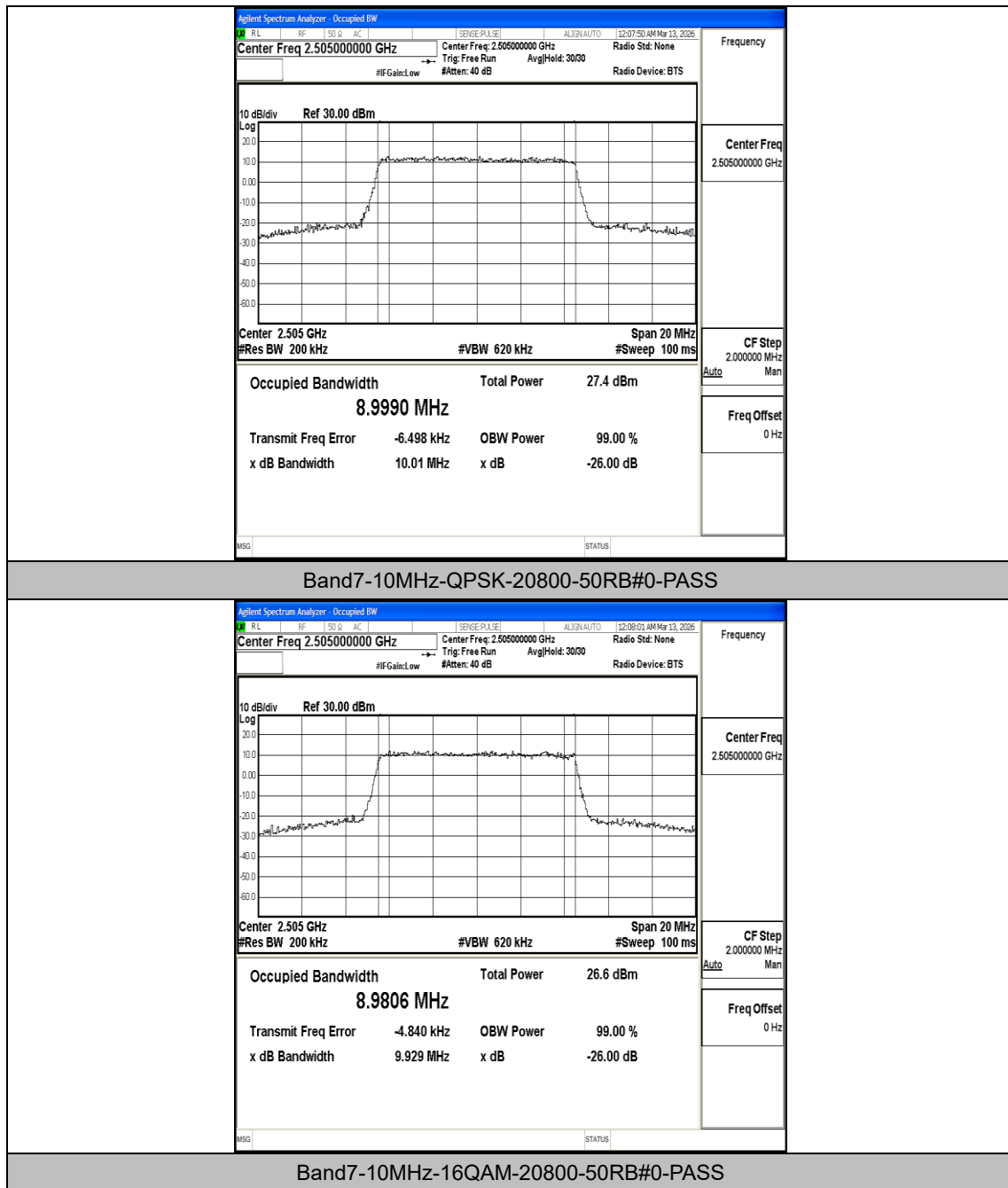
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5236	5.063	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5199	5.050	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5188	5.112	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5229	5.059	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5159	5.032	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5211	5.068	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9990	10.01	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9806	9.929	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9766	9.955	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9985	9.923	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9998	9.938	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9866	9.882	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.479	14.87	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.484	14.76	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.510	14.94	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.477	14.82	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.496	14.90	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.478	14.88	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.989	19.46	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.956	19.53	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.930	19.44	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.892	19.41	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.993	19.74	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.998	19.58	PASS

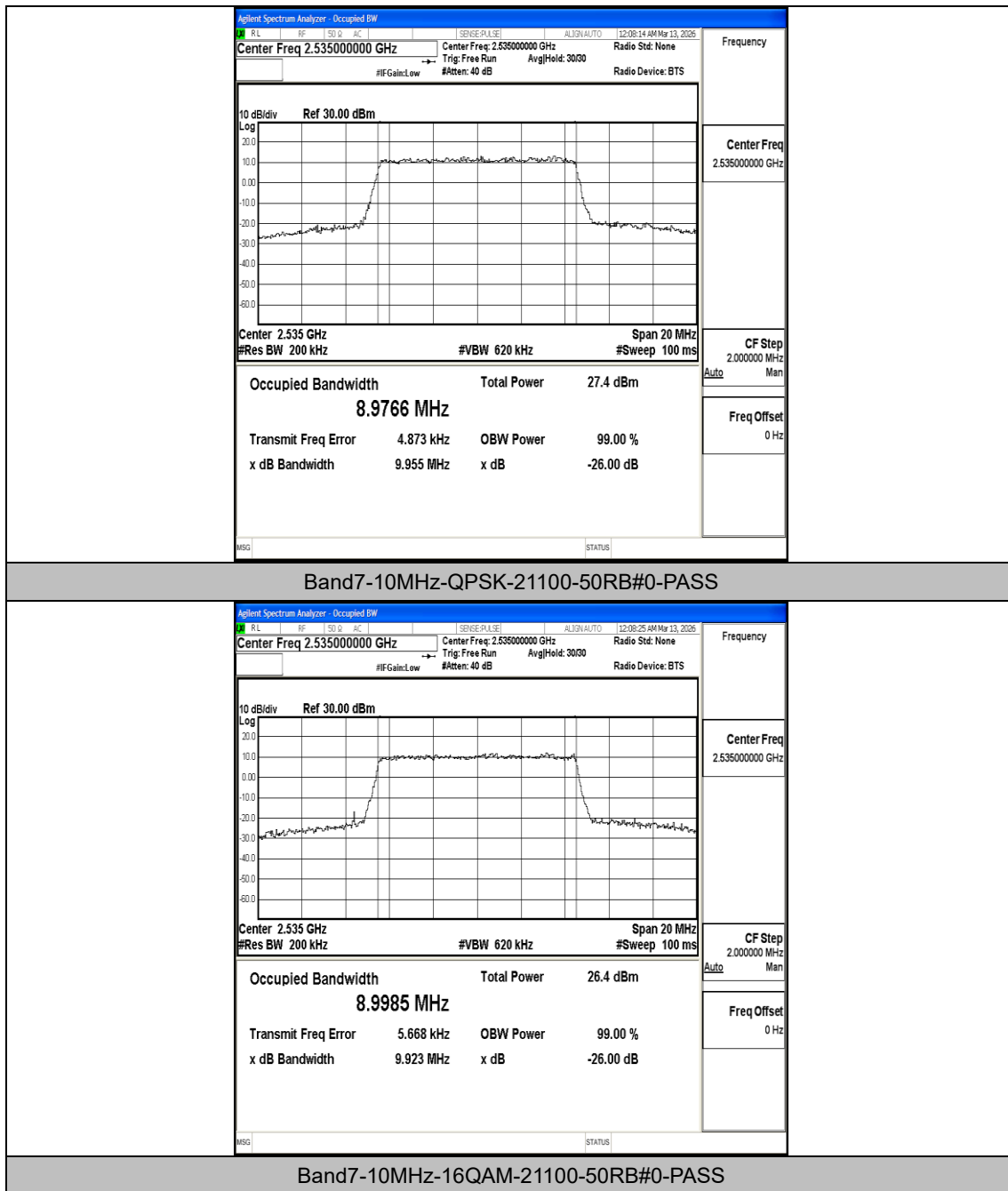
Test Graphs

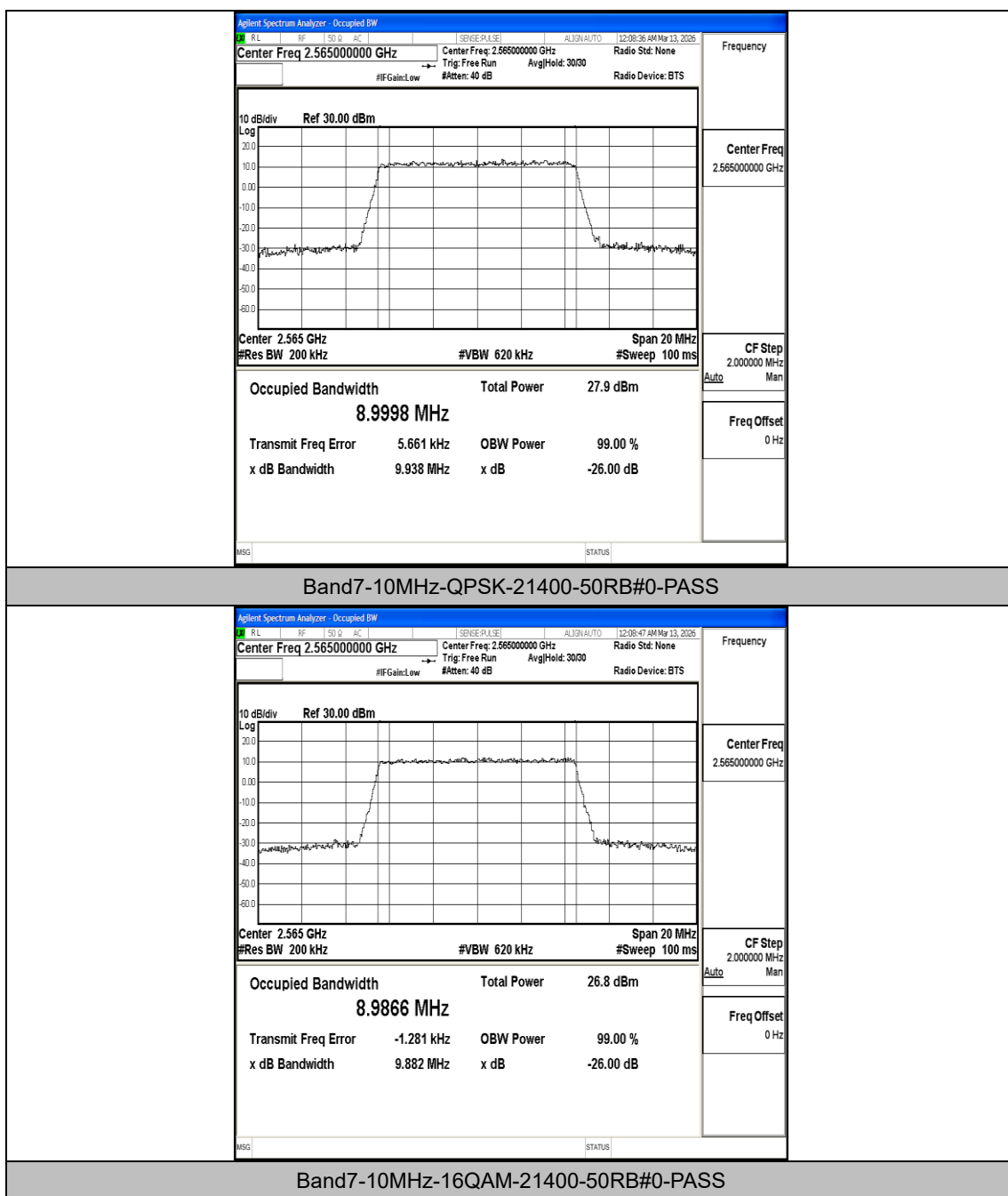


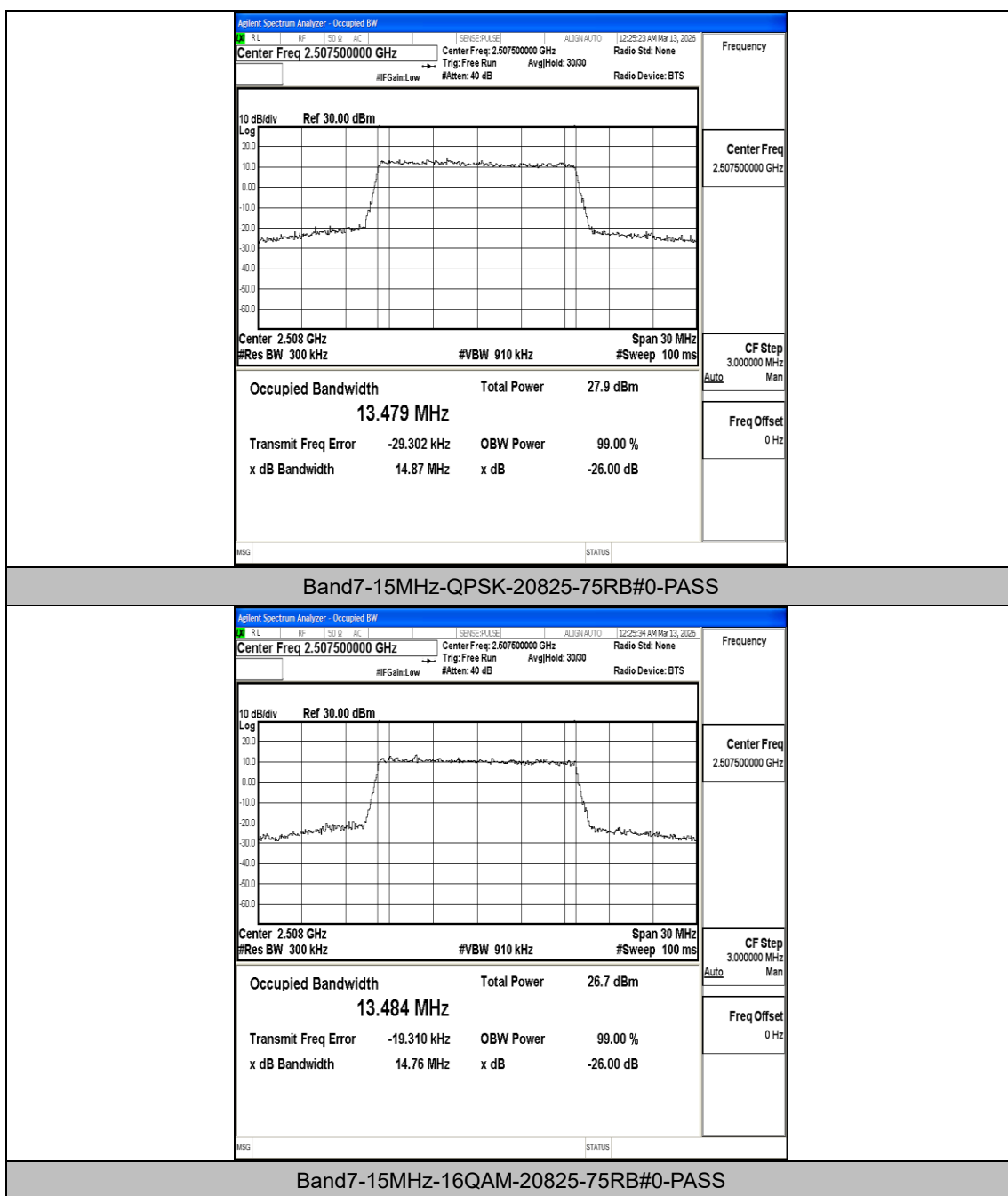


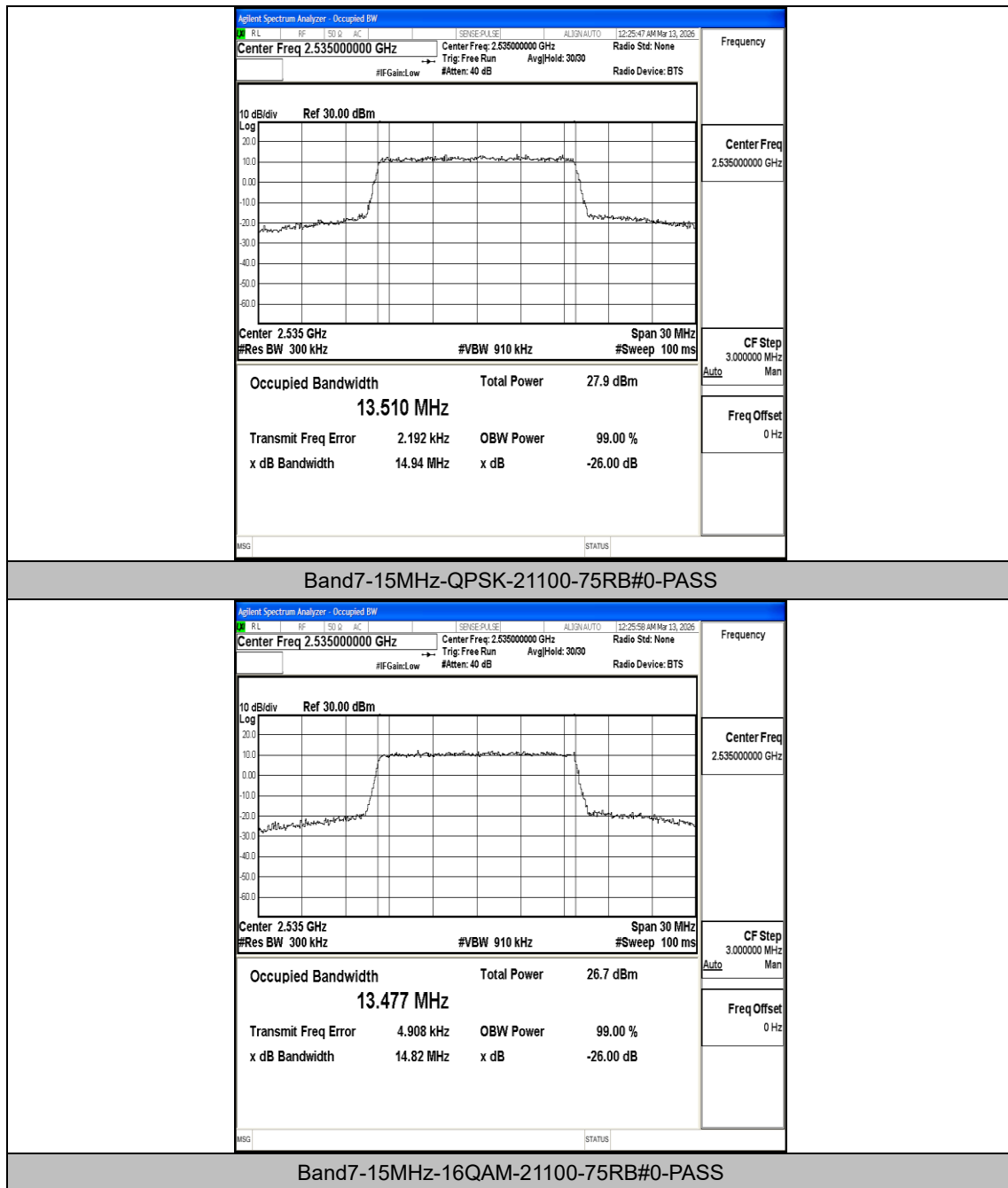


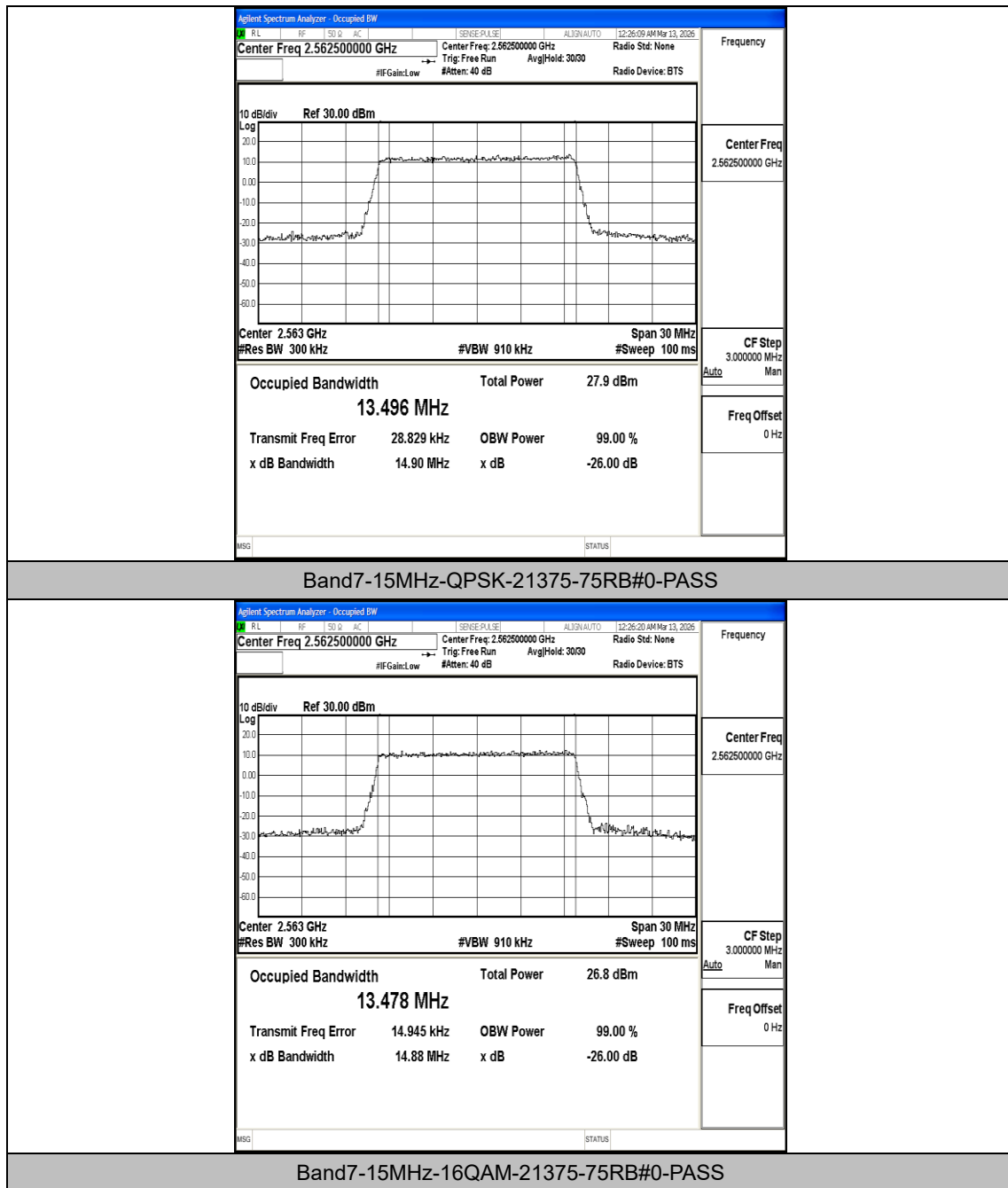


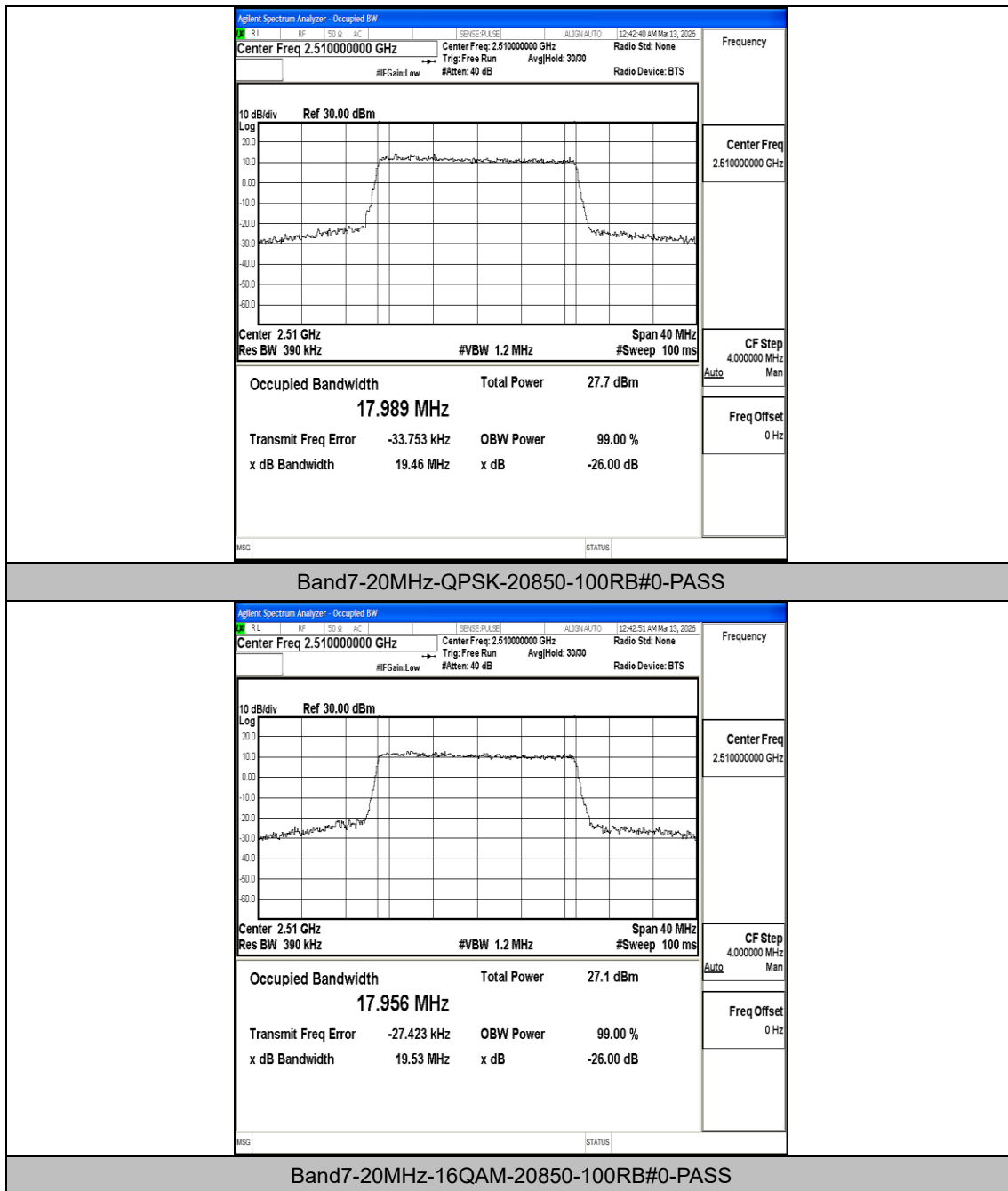


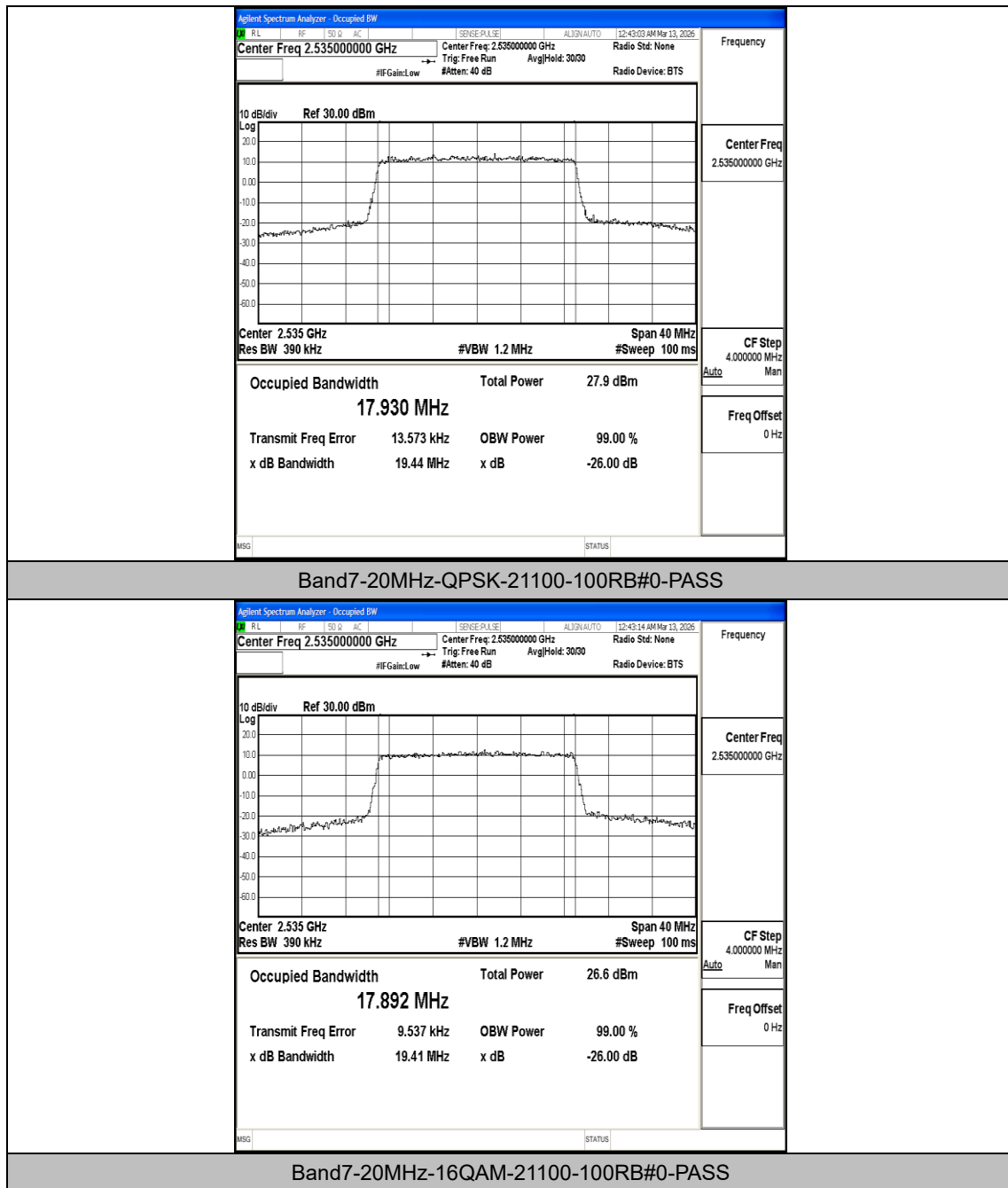


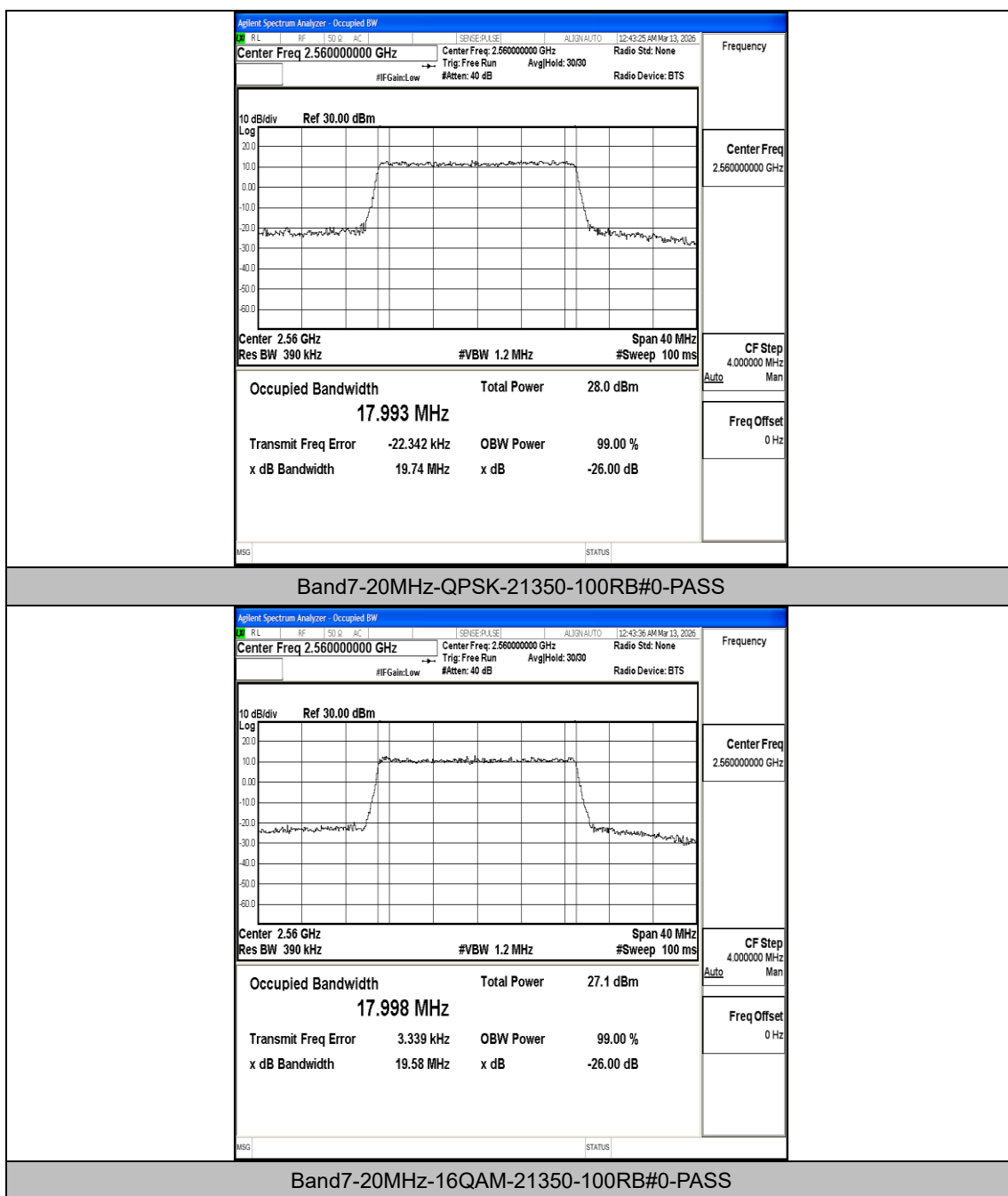










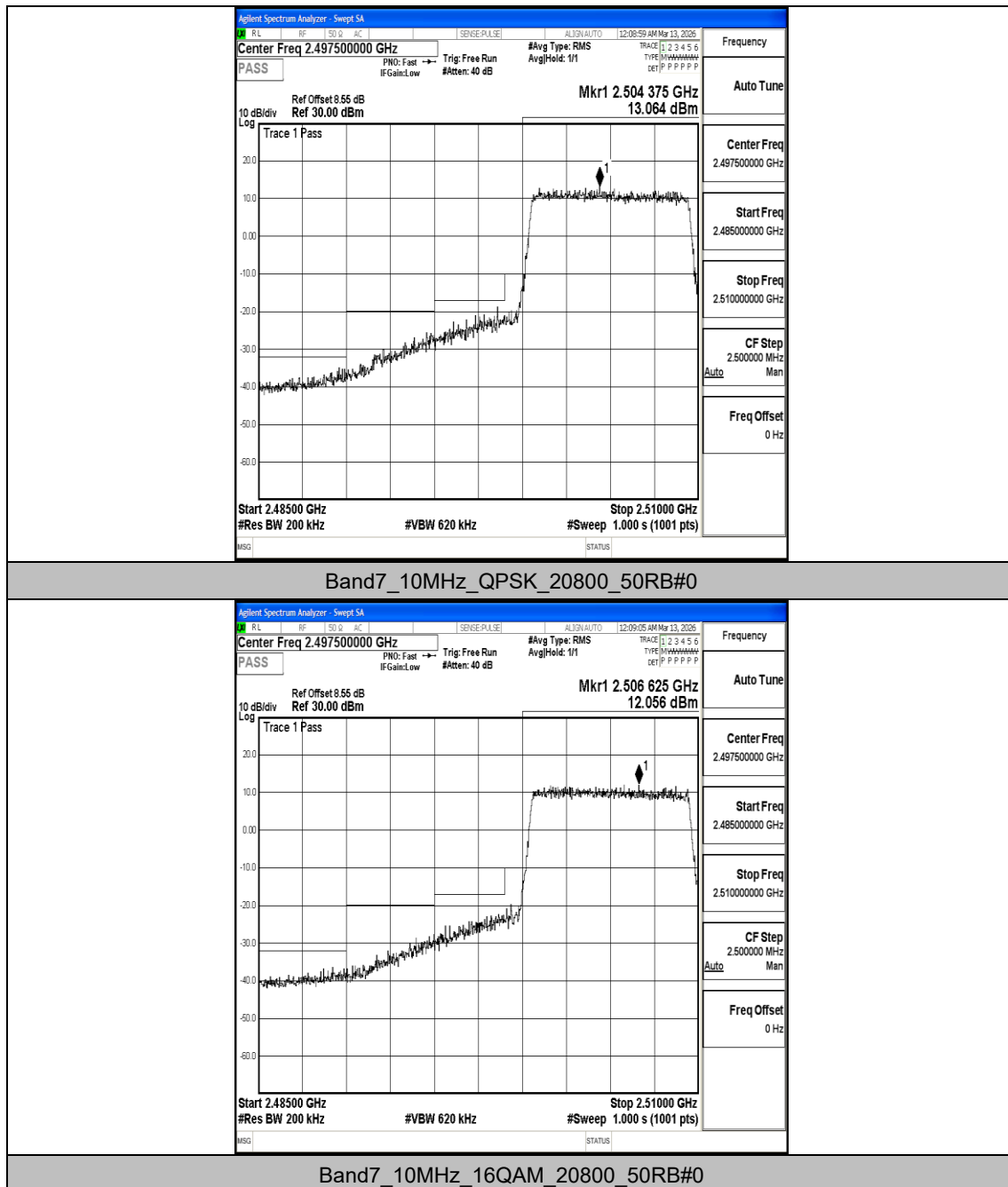


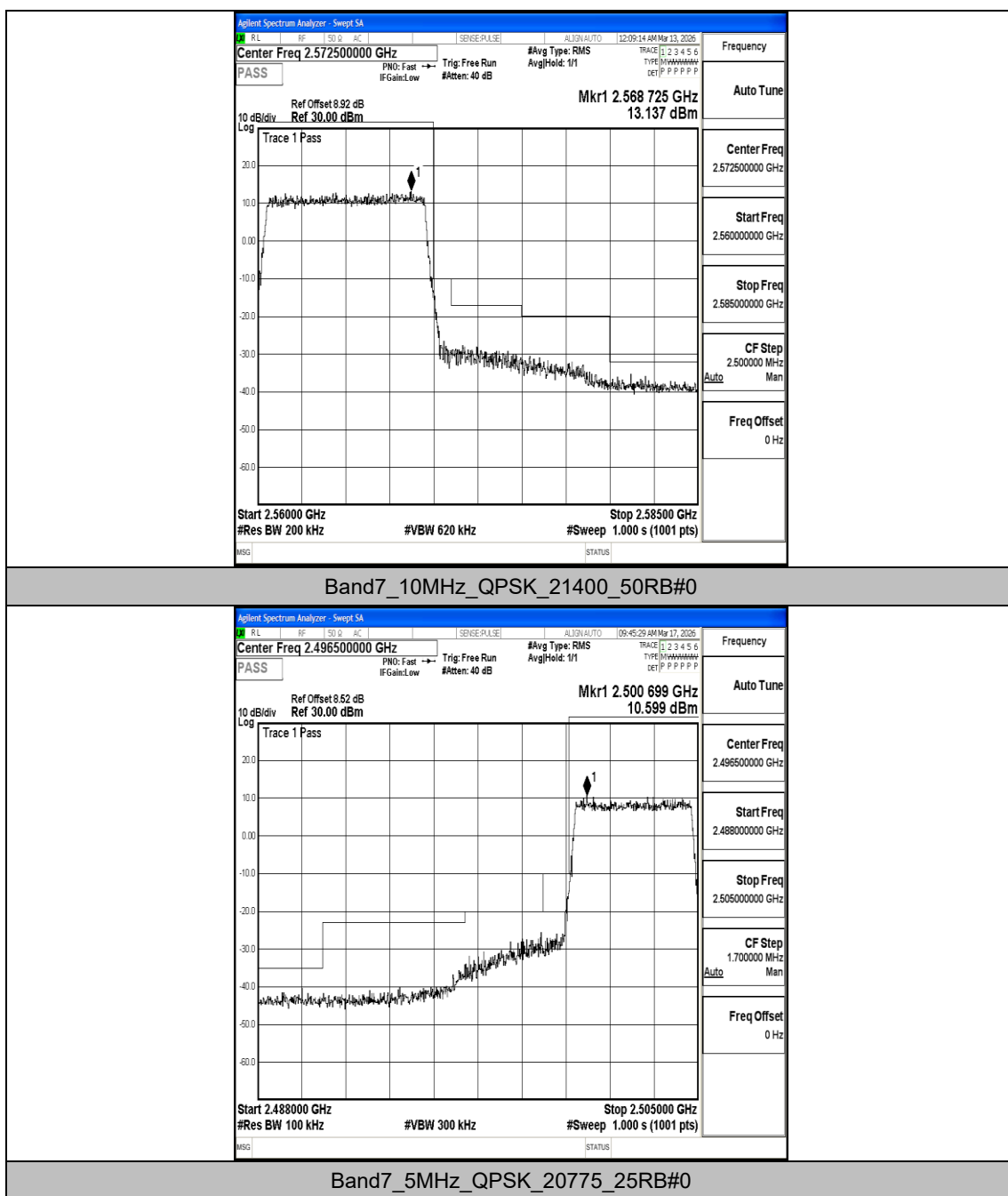
C Band Edge

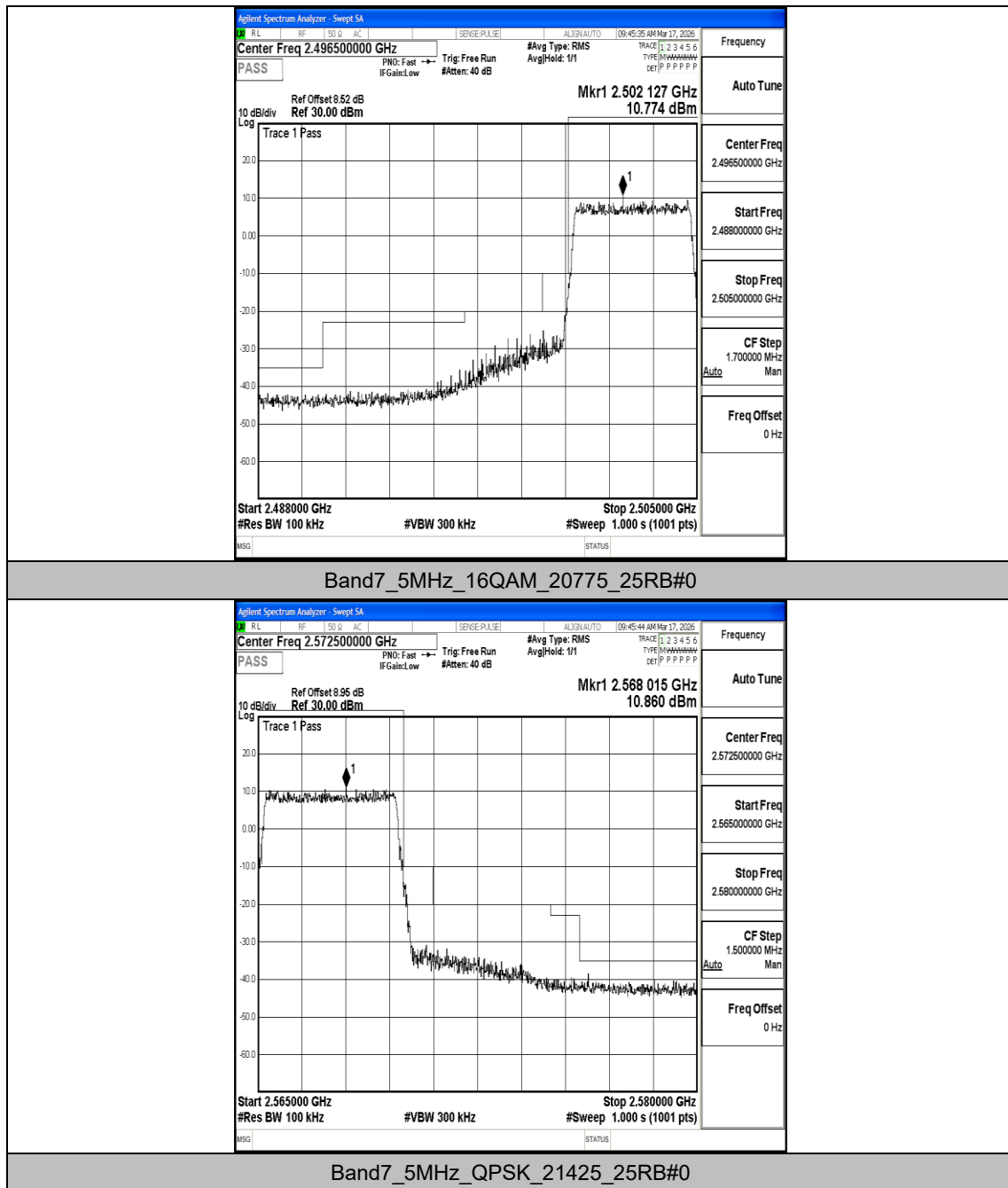
Test Result

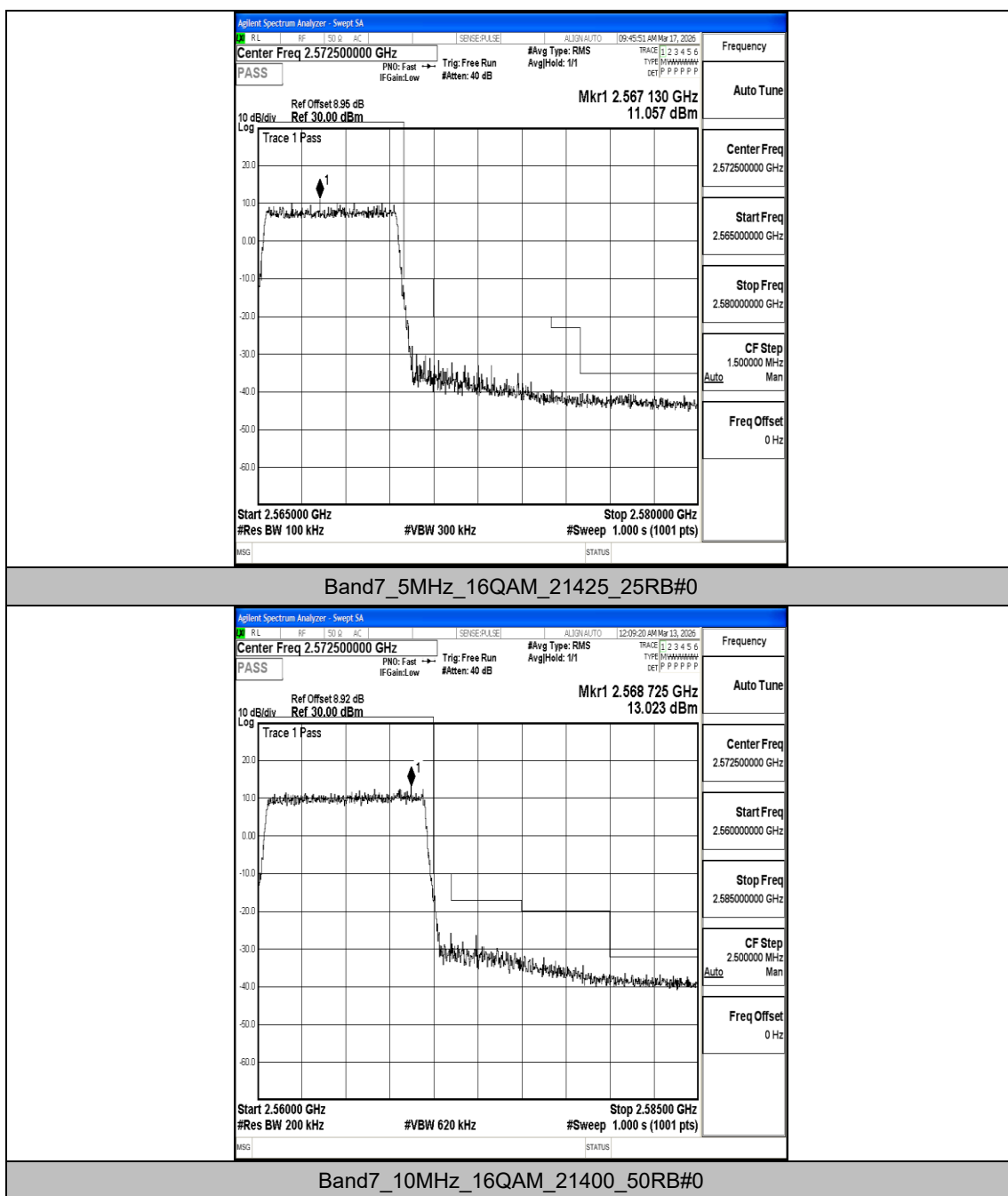
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band7	10MHz	QPSK	20800	50RB#0	2498.60	-18.86	PASS
Band7	10MHz	16QAM	20800	50RB#0	2489.23	-36.49	PASS
Band7	10MHz	QPSK	21400	50RB#0	2570.00	-13.13	PASS
Band7	5MHz	QPSK	20775	25RB#0	2489.72	-40.43	PASS
Band7	5MHz	16QAM	20775	25RB#0	2498.54	-26.11	PASS
Band7	5MHz	QPSK	21425	25RB#0	2576.28	-38.56	PASS
Band7	5MHz	16QAM	21425	25RB#0	2576.07	-40.46	PASS
Band7	10MHz	16QAM	21400	50RB#0	2580.85	-36.46	PASS
Band7	20MHz	QPSK	20850	100RB#0	2499.98	-14.74	PASS
Band7	20MHz	16QAM	20850	100RB#0	2478.06	-34.91	PASS
Band7	15MHz	QPSK	20825	75RB#0	2482.52	-36.32	PASS
Band7	15MHz	16QAM	20825	75RB#0	2482.66	-36.37	PASS
Band7	15MHz	QPSK	21375	75RB#0	2587.34	-35.50	PASS
Band7	15MHz	16QAM	21375	75RB#0	2586.12	-35.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	2590.82	-34.53	PASS
Band7	20MHz	16QAM	21350	100RB#0	2594.78	-33.75	PASS

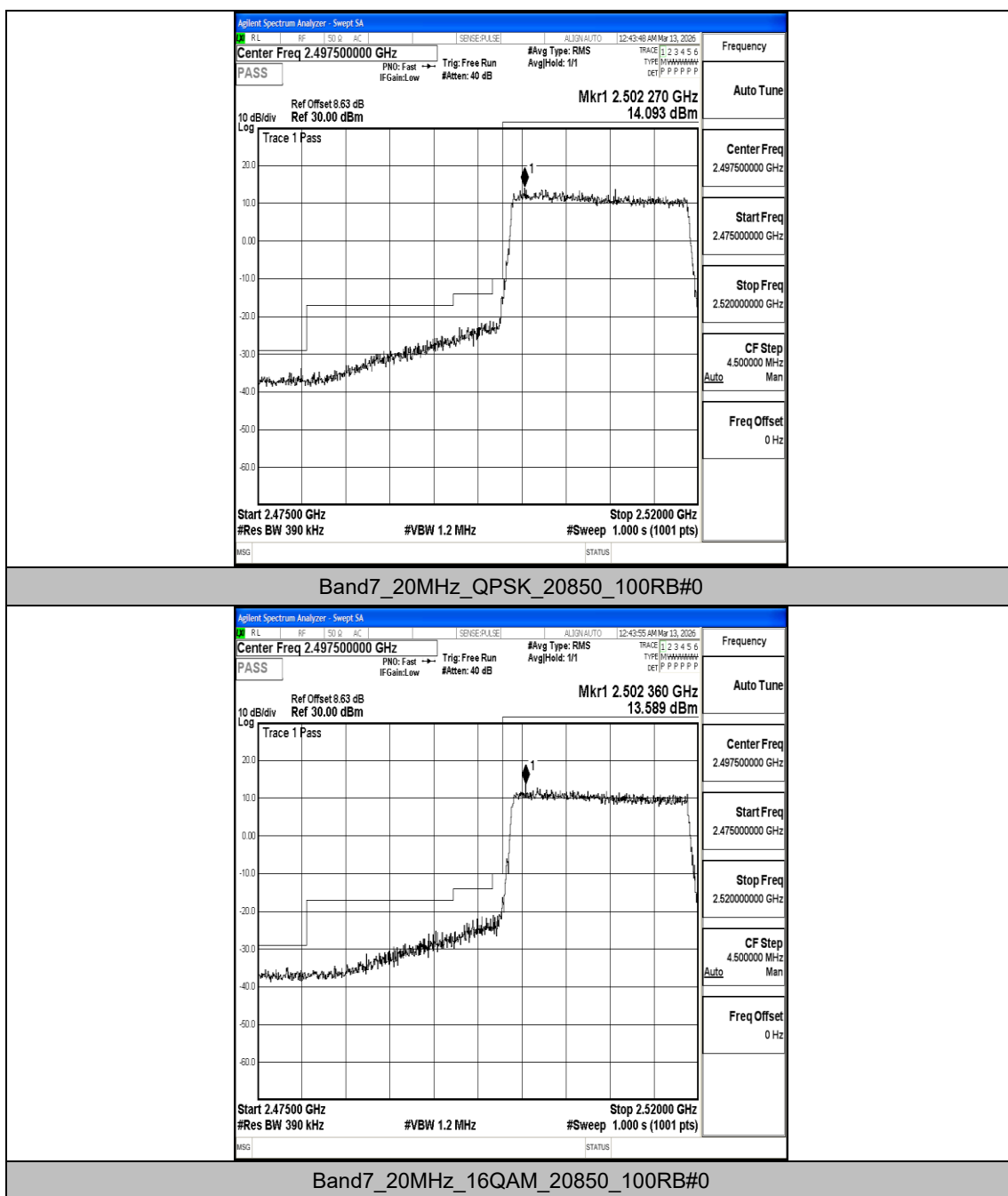
Test Graphs

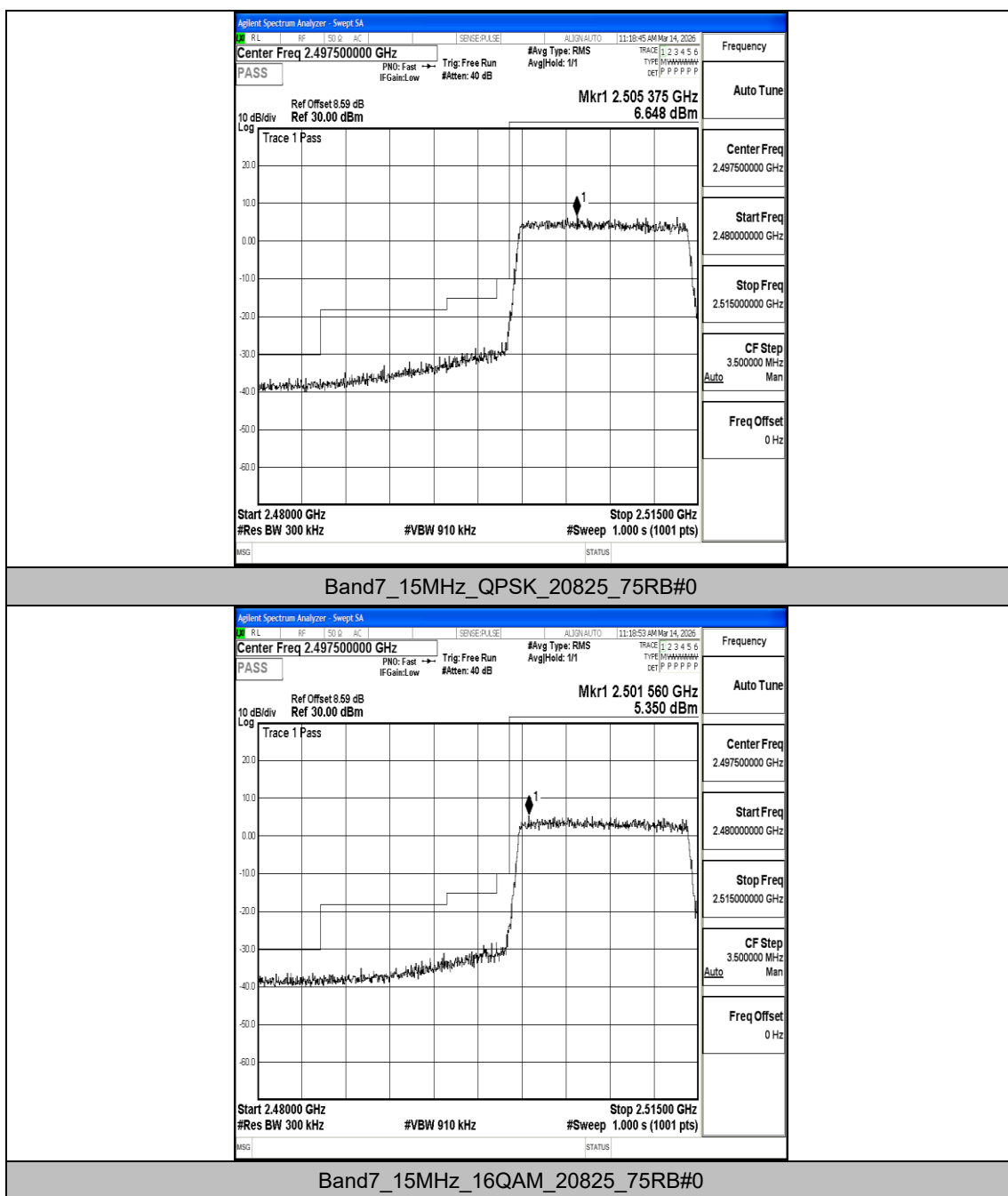


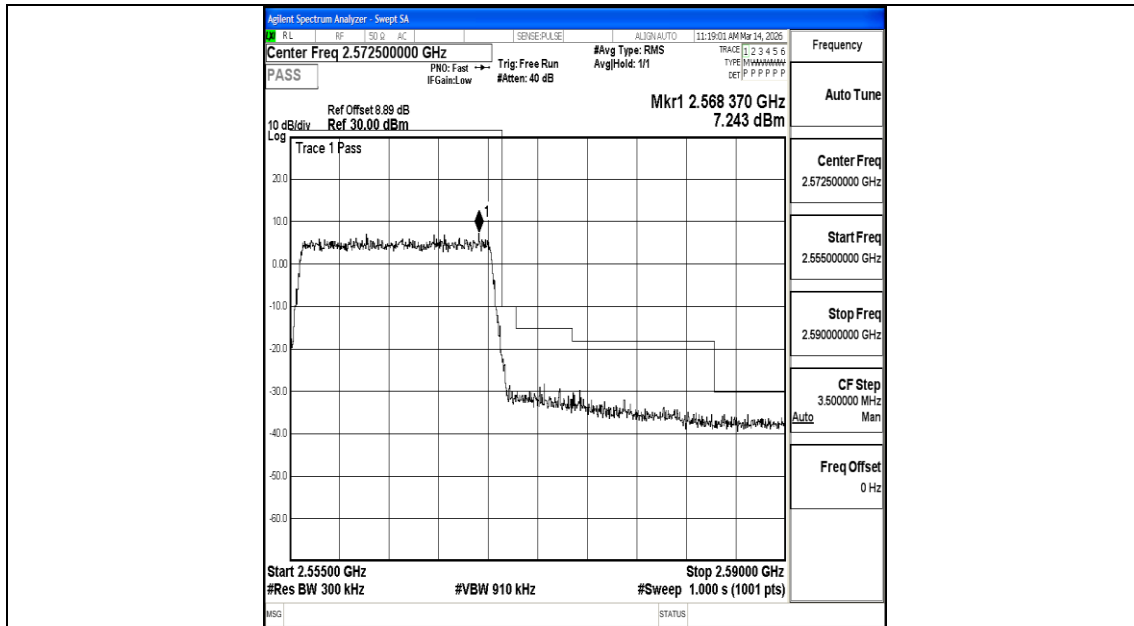




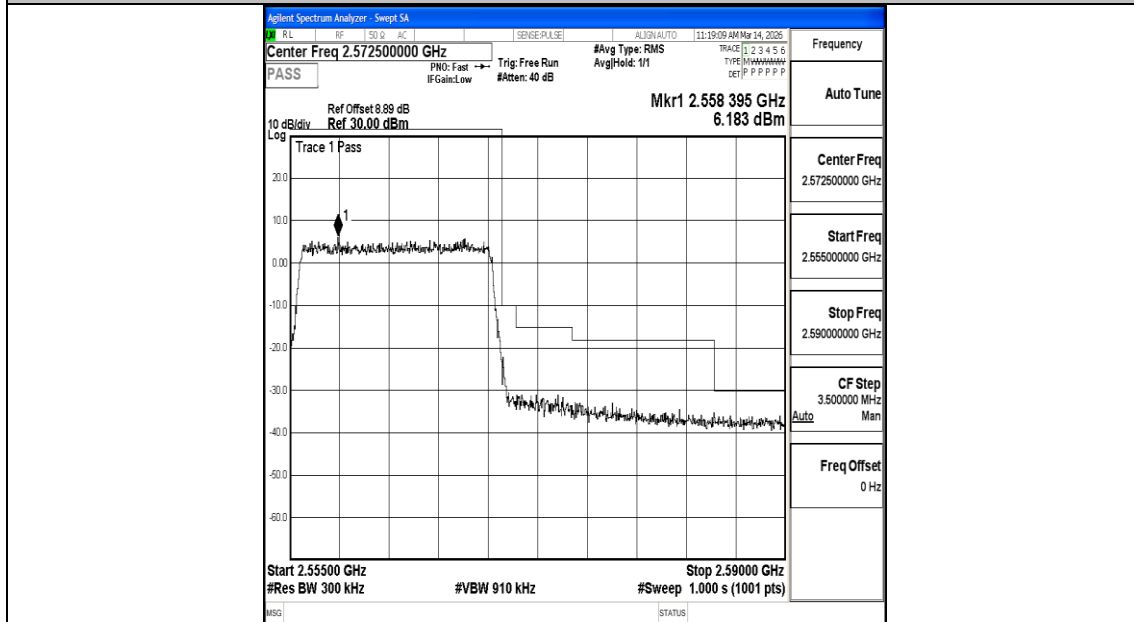




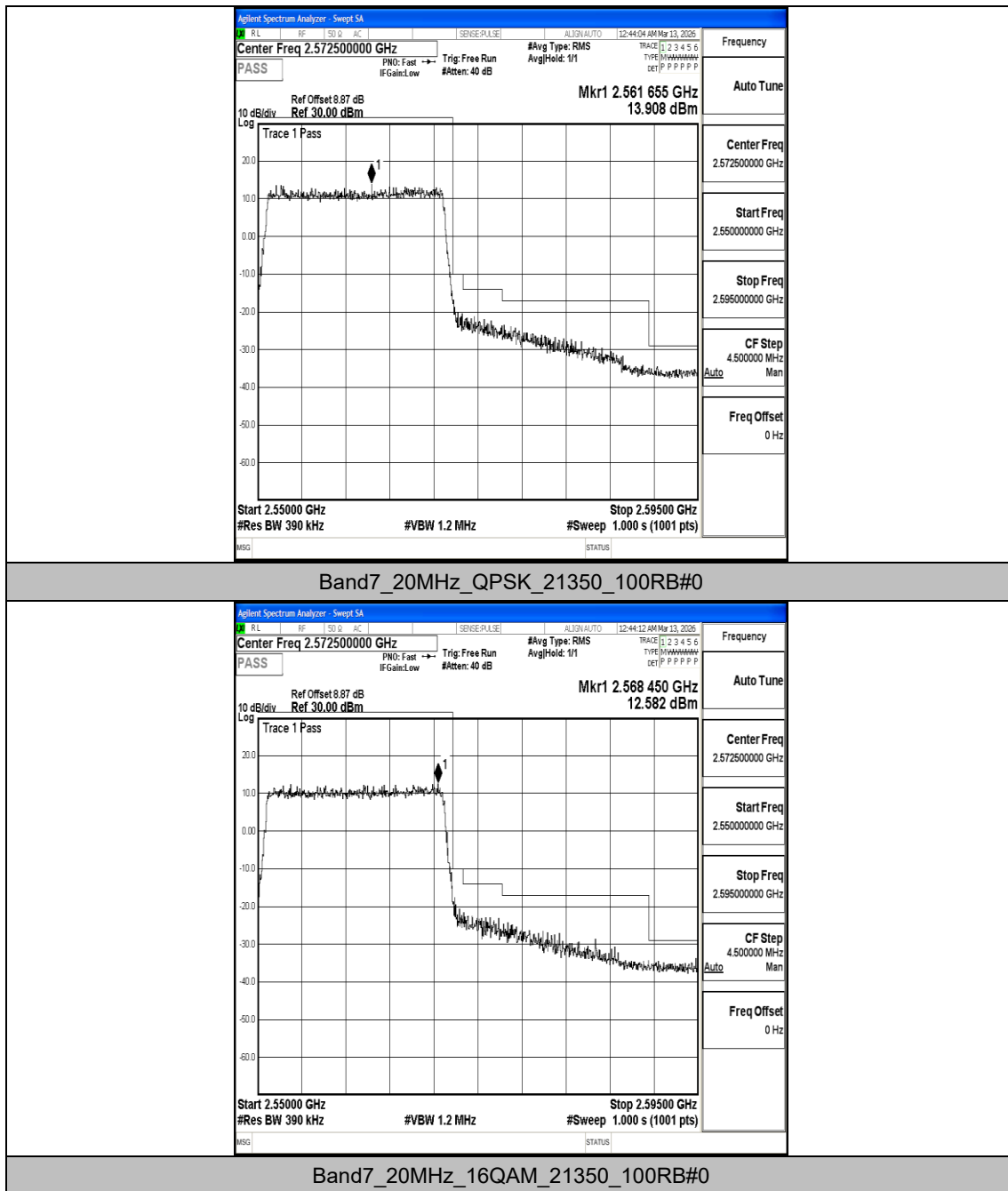




Band7_15MHz_QPSK_21375_75RB#0



Band7_15MHz_16QAM_21375_75RB#0



D Conducted Spurious Emission

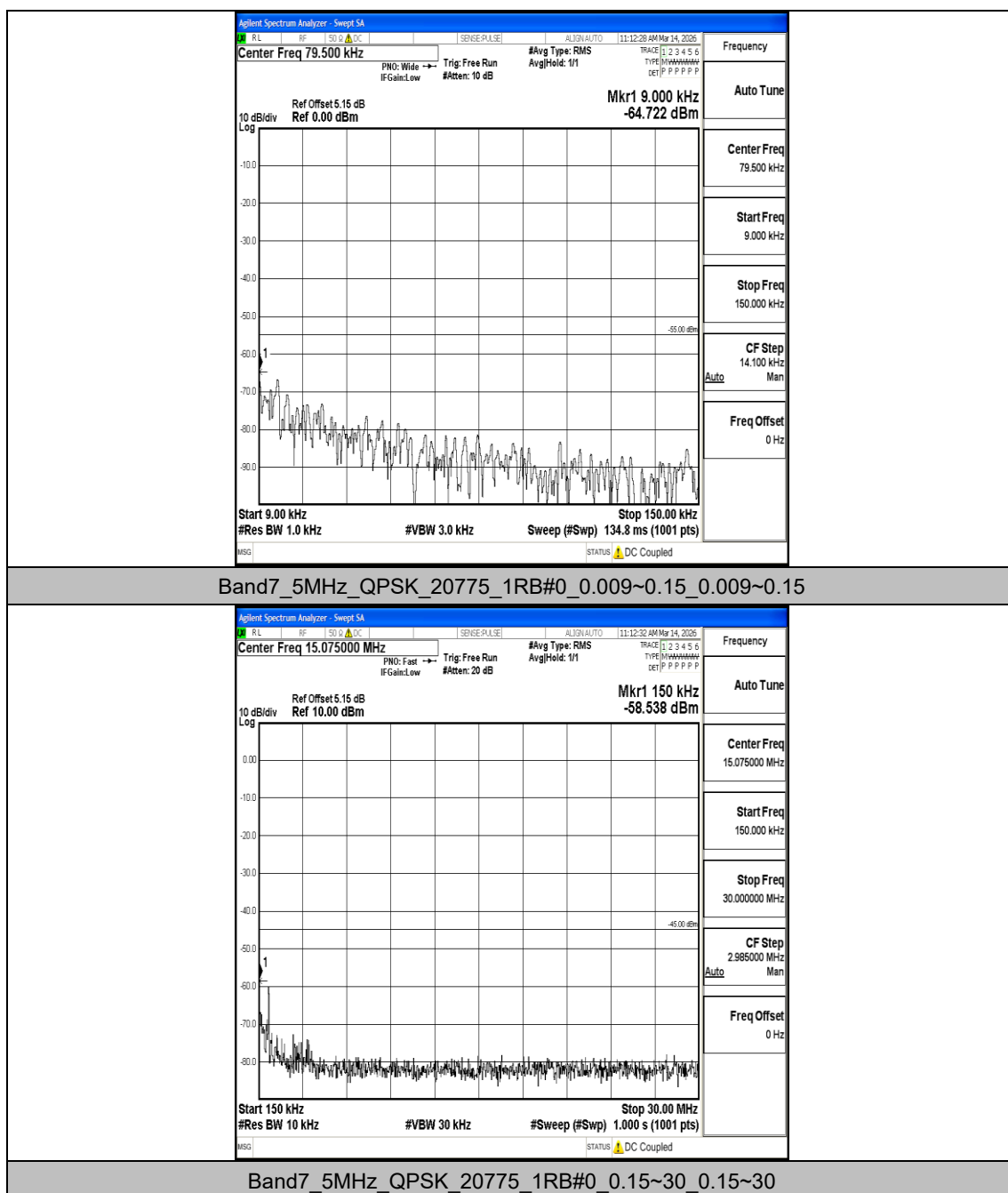
Test Result

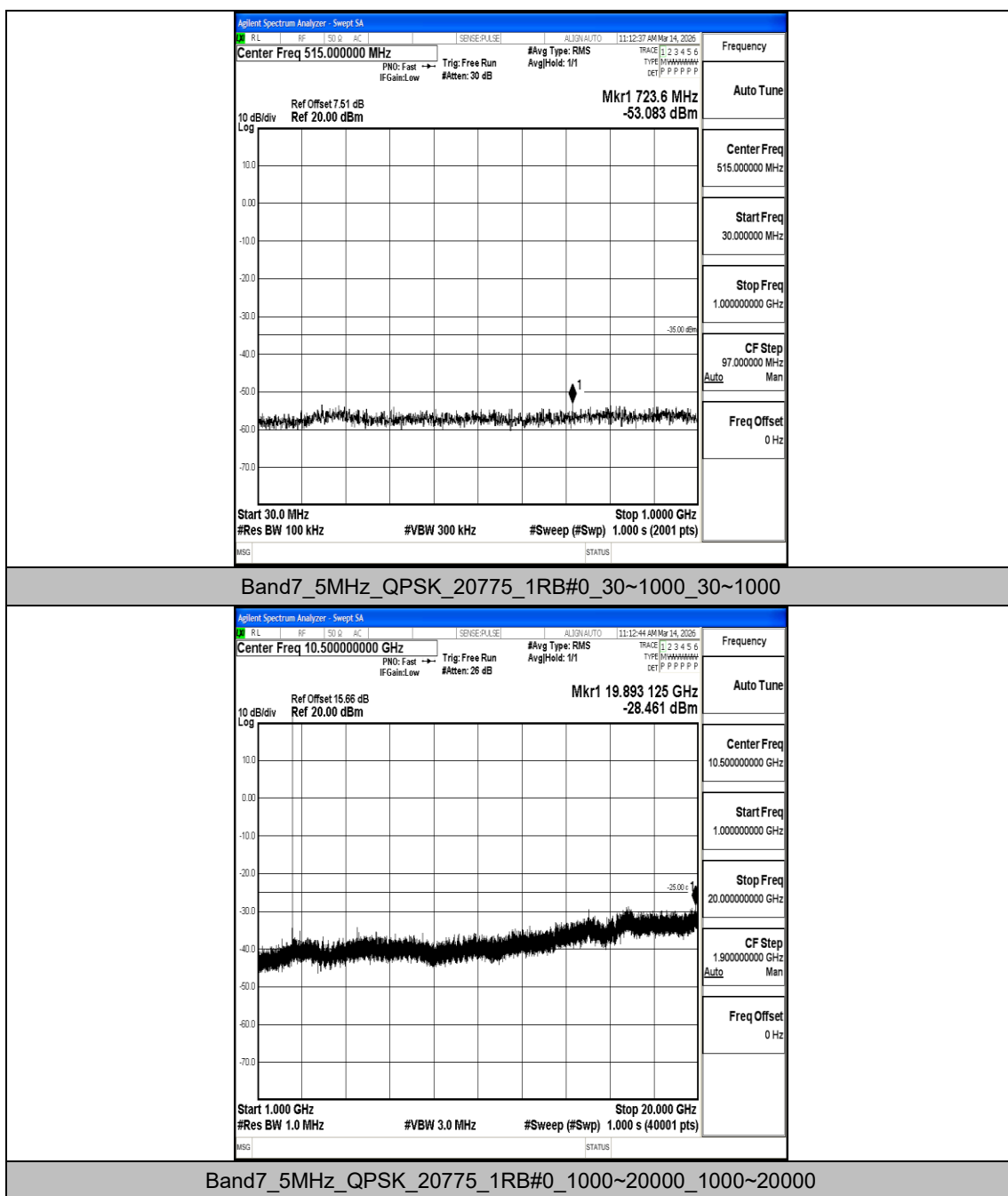
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	0.009~0.15	-64.72	PASS
Band7	5MHz	QPSK	20775	1RB#0	0.15~30	-58.54	PASS
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-53.08	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~20000	-28.46	PASS
Band7	5MHz	QPSK	20775	1RB#0	20000~27000	-37.02	PASS
Band7	5MHz	16QAM	20775	1RB#0	0.009~0.15	-65.76	PASS
Band7	5MHz	16QAM	20775	1RB#0	0.15~30	-53.76	PASS
Band7	5MHz	16QAM	20775	1RB#0	30~1000	-52.05	PASS
Band7	5MHz	16QAM	20775	1RB#0	1000~20000	-27.92	PASS
Band7	5MHz	16QAM	20775	1RB#0	20000~27000	-36.63	PASS
Band7	5MHz	QPSK	21100	1RB#0	0.009~0.15	-69.26	PASS
Band7	5MHz	QPSK	21100	1RB#0	0.15~30	-57.01	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-53.09	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~20000	-28.11	PASS
Band7	5MHz	QPSK	21100	1RB#0	20000~27000	-35.92	PASS
Band7	5MHz	16QAM	21100	1RB#0	0.009~0.15	-66.50	PASS
Band7	5MHz	16QAM	21100	1RB#0	0.15~30	-56.30	PASS
Band7	5MHz	16QAM	21100	1RB#0	30~1000	-53.34	PASS
Band7	5MHz	16QAM	21100	1RB#0	1000~20000	-28.69	PASS
Band7	5MHz	16QAM	21100	1RB#0	20000~27000	-36.50	PASS
Band7	5MHz	QPSK	21425	1RB#0	0.009~0.15	-64.14	PASS
Band7	5MHz	QPSK	21425	1RB#0	0.15~30	-54.01	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-52.70	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~20000	-28.80	PASS
Band7	5MHz	QPSK	21425	1RB#0	20000~27000	-35.02	PASS
Band7	5MHz	16QAM	21425	1RB#0	0.009~0.15	-67.03	PASS
Band7	5MHz	16QAM	21425	1RB#0	0.15~30	-55.50	PASS
Band7	5MHz	16QAM	21425	1RB#0	30~1000	-53.07	PASS
Band7	5MHz	16QAM	21425	1RB#0	1000~20000	-28.65	PASS
Band7	5MHz	16QAM	21425	1RB#0	20000~27000	-36.02	PASS
Band7	10MHz	QPSK	20800	1RB#0	0.009~0.15	-66.37	PASS
Band7	10MHz	QPSK	20800	1RB#0	0.15~30	-56.48	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~1000	-52.61	PASS
Band7	10MHz	QPSK	20800	1RB#0	1000~20000	-28.88	PASS
Band7	10MHz	QPSK	20800	1RB#0	20000~27000	-35.81	PASS
Band7	10MHz	16QAM	20800	1RB#0	0.009~0.15	-64.65	PASS

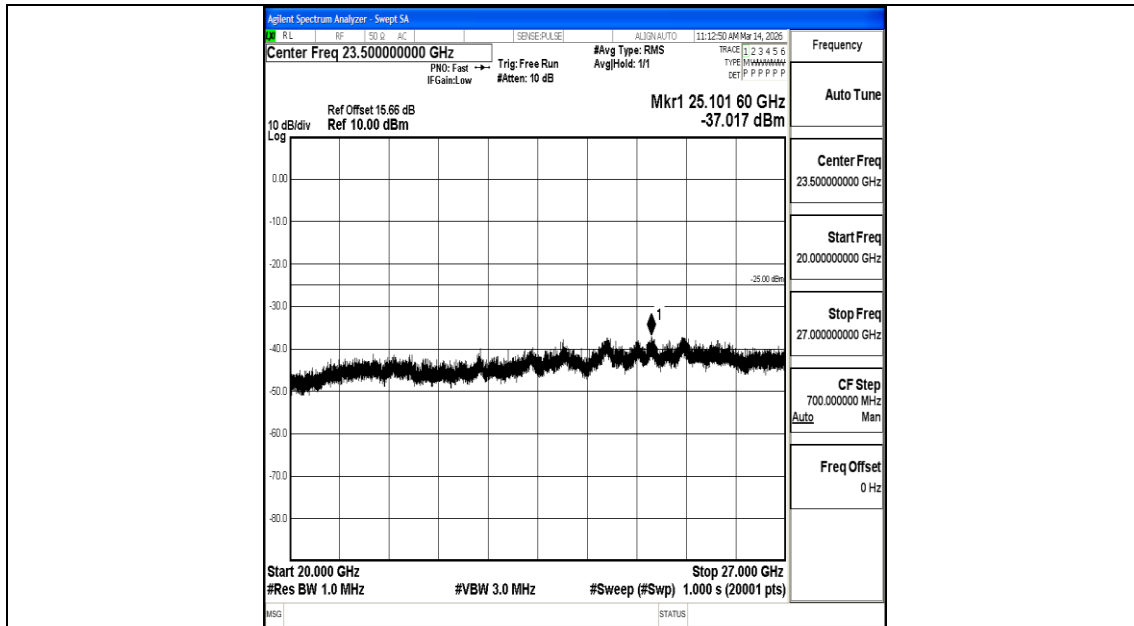
Band7	10MHz	16QAM	20800	1RB#0	0.15~30	-57.48	PASS
Band7	10MHz	16QAM	20800	1RB#0	30~1000	-53.11	PASS
Band7	10MHz	16QAM	20800	1RB#0	1000~20000	-28.32	PASS
Band7	10MHz	16QAM	20800	1RB#0	20000~27000	-37.12	PASS
Band7	10MHz	QPSK	21100	1RB#0	0.009~0.15	-64.02	PASS
Band7	10MHz	QPSK	21100	1RB#0	0.15~30	-54.18	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~1000	-53.33	PASS
Band7	10MHz	QPSK	21100	1RB#0	1000~20000	-28.58	PASS
Band7	10MHz	QPSK	21100	1RB#0	20000~27000	-36.06	PASS
Band7	10MHz	16QAM	21100	1RB#0	0.009~0.15	-68.15	PASS
Band7	10MHz	16QAM	21100	1RB#0	0.15~30	-54.91	PASS
Band7	10MHz	16QAM	21100	1RB#0	30~1000	-53.26	PASS
Band7	10MHz	16QAM	21100	1RB#0	1000~20000	-28.01	PASS
Band7	10MHz	16QAM	21100	1RB#0	20000~27000	-36.73	PASS
Band7	10MHz	QPSK	21400	1RB#0	0.009~0.15	-64.26	PASS
Band7	10MHz	QPSK	21400	1RB#0	0.15~30	-58.20	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~1000	-51.98	PASS
Band7	10MHz	QPSK	21400	1RB#0	1000~20000	-28.83	PASS
Band7	10MHz	QPSK	21400	1RB#0	20000~27000	-36.62	PASS
Band7	10MHz	16QAM	21400	1RB#0	0.009~0.15	-64.19	PASS
Band7	10MHz	16QAM	21400	1RB#0	0.15~30	-58.84	PASS
Band7	10MHz	16QAM	21400	1RB#0	30~1000	-52.51	PASS
Band7	10MHz	16QAM	21400	1RB#0	1000~20000	-28.58	PASS
Band7	10MHz	16QAM	21400	1RB#0	20000~27000	-36.48	PASS
Band7	15MHz	QPSK	20825	1RB#0	0.009~0.15	-69.51	PASS
Band7	15MHz	QPSK	20825	1RB#0	0.15~30	-57.37	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~1000	-52.39	PASS
Band7	15MHz	QPSK	20825	1RB#0	1000~20000	-28.20	PASS
Band7	15MHz	QPSK	20825	1RB#0	20000~27000	-36.02	PASS
Band7	15MHz	16QAM	20825	1RB#0	0.009~0.15	-66.17	PASS
Band7	15MHz	16QAM	20825	1RB#0	0.15~30	-57.41	PASS
Band7	15MHz	16QAM	20825	1RB#0	30~1000	-53.15	PASS
Band7	15MHz	16QAM	20825	1RB#0	1000~20000	-28.12	PASS
Band7	15MHz	16QAM	20825	1RB#0	20000~27000	-36.58	PASS
Band7	15MHz	QPSK	21100	1RB#0	0.009~0.15	-68.53	PASS
Band7	15MHz	QPSK	21100	1RB#0	0.15~30	-58.34	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~1000	-52.83	PASS
Band7	15MHz	QPSK	21100	1RB#0	1000~20000	-28.04	PASS
Band7	15MHz	QPSK	21100	1RB#0	20000~27000	-36.65	PASS
Band7	15MHz	16QAM	21100	1RB#0	0.009~0.15	-64.14	PASS
Band7	15MHz	16QAM	21100	1RB#0	0.15~30	-53.30	PASS
Band7	15MHz	16QAM	21100	1RB#0	30~1000	-52.85	PASS
Band7	15MHz	16QAM	21100	1RB#0	1000~20000	-28.47	PASS

Band7	15MHz	16QAM	21100	1RB#0	20000~27000	-35.76	PASS
Band7	15MHz	QPSK	21375	1RB#0	0.009~0.15	-65.20	PASS
Band7	15MHz	QPSK	21375	1RB#0	0.15~30	-54.35	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~1000	-52.72	PASS
Band7	15MHz	QPSK	21375	1RB#0	1000~20000	-28.25	PASS
Band7	15MHz	QPSK	21375	1RB#0	20000~27000	-36.35	PASS
Band7	15MHz	16QAM	21375	1RB#0	0.009~0.15	-67.75	PASS
Band7	15MHz	16QAM	21375	1RB#0	0.15~30	-53.76	PASS
Band7	15MHz	16QAM	21375	1RB#0	30~1000	-52.79	PASS
Band7	15MHz	16QAM	21375	1RB#0	1000~20000	-28.37	PASS
Band7	15MHz	16QAM	21375	1RB#0	20000~27000	-36.45	PASS
Band7	20MHz	QPSK	20850	1RB#0	0.009~0.15	-68.36	PASS
Band7	20MHz	QPSK	20850	1RB#0	0.15~30	-55.63	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-52.98	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~20000	-28.45	PASS
Band7	20MHz	QPSK	20850	1RB#0	20000~27000	-36.72	PASS
Band7	20MHz	16QAM	20850	1RB#0	0.009~0.15	-69.68	PASS
Band7	20MHz	16QAM	20850	1RB#0	0.15~30	-55.81	PASS
Band7	20MHz	16QAM	20850	1RB#0	30~1000	-53.36	PASS
Band7	20MHz	16QAM	20850	1RB#0	1000~20000	-27.83	PASS
Band7	20MHz	16QAM	20850	1RB#0	20000~27000	-36.01	PASS
Band7	20MHz	QPSK	21100	1RB#0	0.009~0.15	-67.97	PASS
Band7	20MHz	QPSK	21100	1RB#0	0.15~30	-58.00	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-53.08	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~20000	-28.01	PASS
Band7	20MHz	QPSK	21100	1RB#0	20000~27000	-36.27	PASS
Band7	20MHz	16QAM	21100	1RB#0	0.009~0.15	-67.36	PASS
Band7	20MHz	16QAM	21100	1RB#0	0.15~30	-54.79	PASS
Band7	20MHz	16QAM	21100	1RB#0	30~1000	-53.08	PASS
Band7	20MHz	16QAM	21100	1RB#0	1000~20000	-28.79	PASS
Band7	20MHz	16QAM	21100	1RB#0	20000~27000	-36.22	PASS
Band7	20MHz	QPSK	21350	1RB#0	0.009~0.15	-68.13	PASS
Band7	20MHz	QPSK	21350	1RB#0	0.15~30	-57.10	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000	-53.38	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~20000	-27.80	PASS
Band7	20MHz	QPSK	21350	1RB#0	20000~27000	-36.10	PASS
Band7	20MHz	16QAM	21350	1RB#0	0.009~0.15	-69.26	PASS
Band7	20MHz	16QAM	21350	1RB#0	0.15~30	-57.19	PASS
Band7	20MHz	16QAM	21350	1RB#0	30~1000	-53.58	PASS
Band7	20MHz	16QAM	21350	1RB#0	1000~20000	-28.19	PASS
Band7	20MHz	16QAM	21350	1RB#0	20000~27000	-36.76	PASS

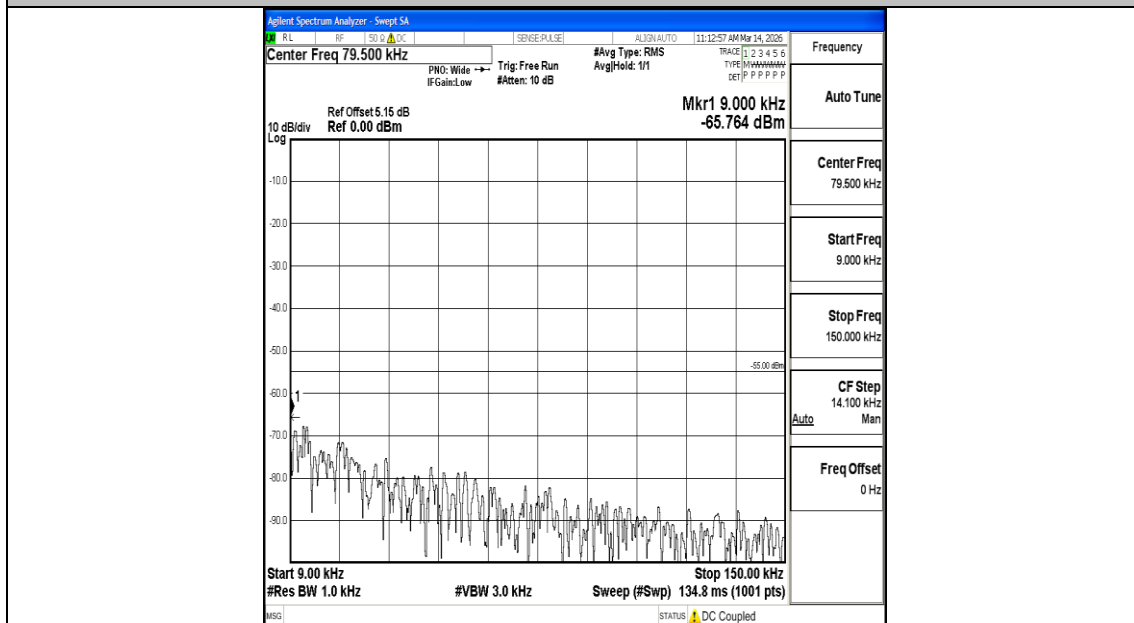
Test Graphs



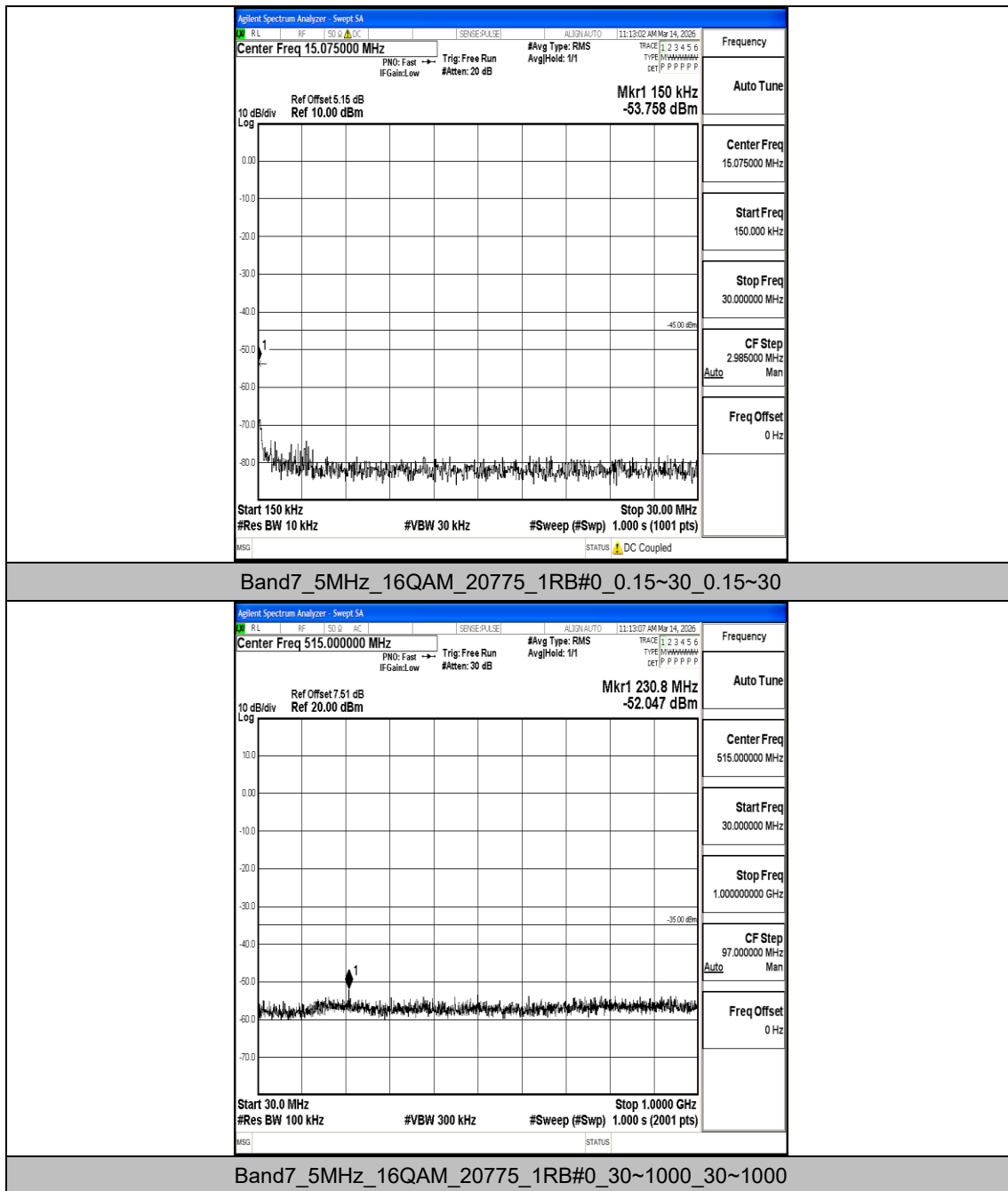


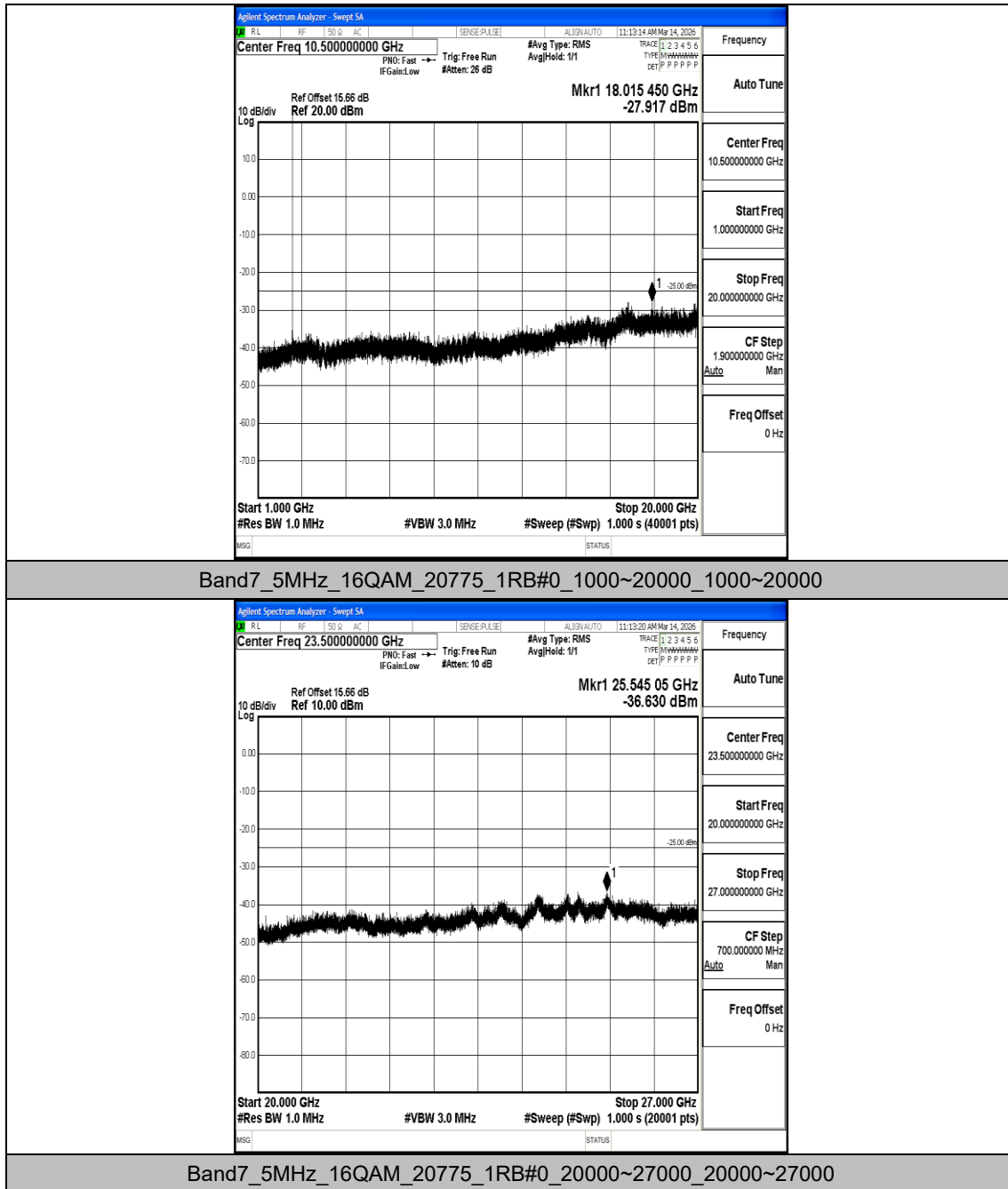


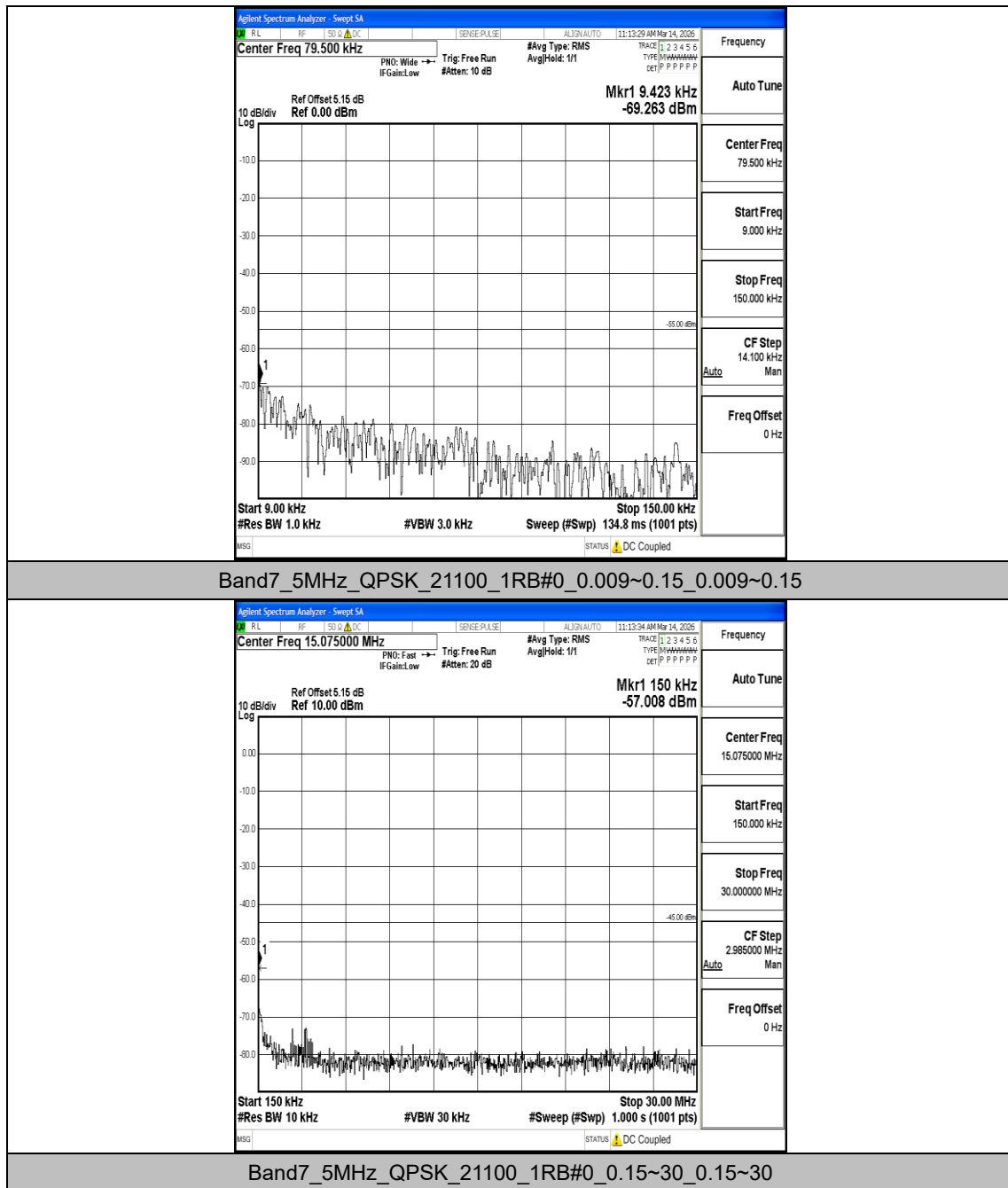
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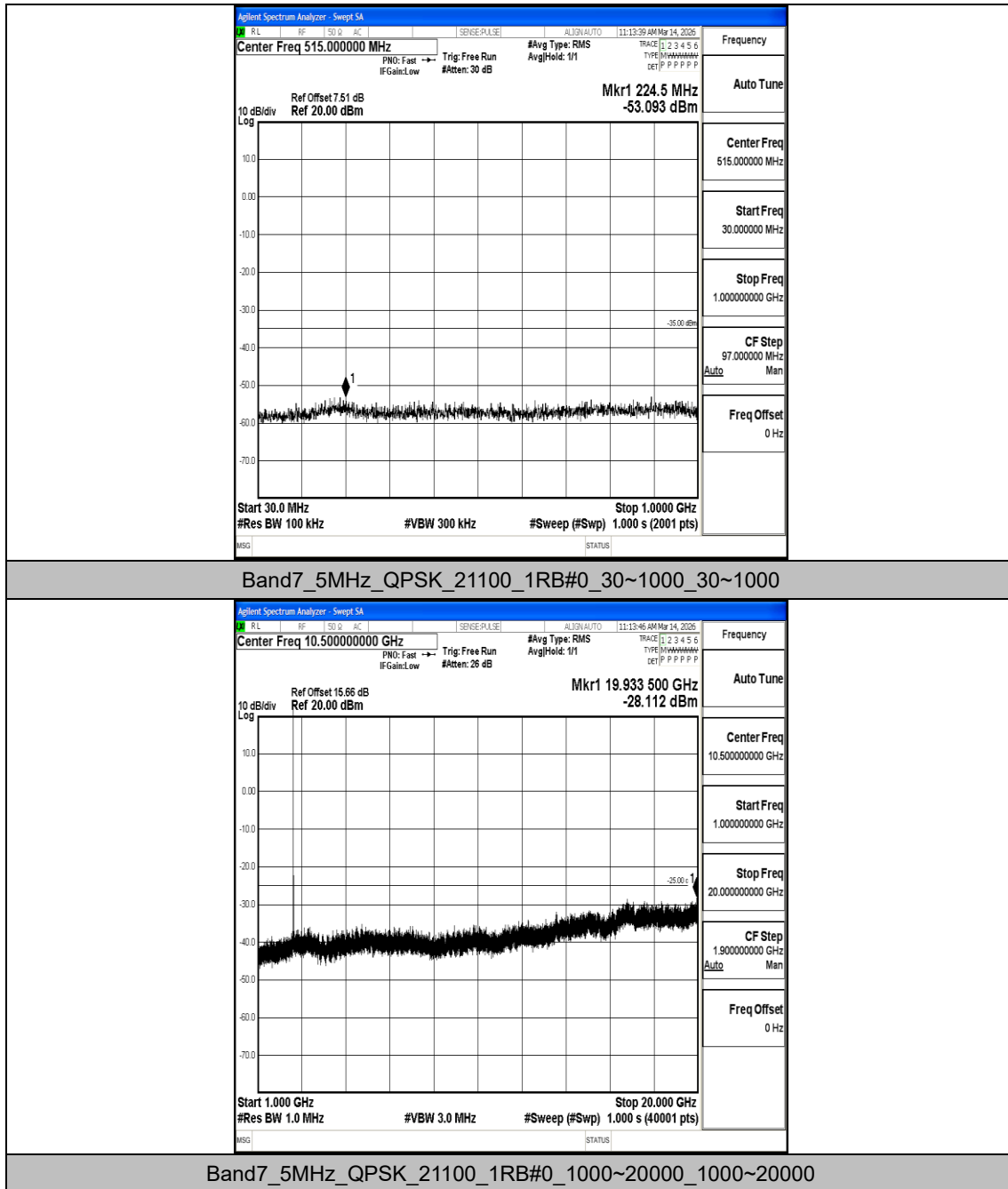


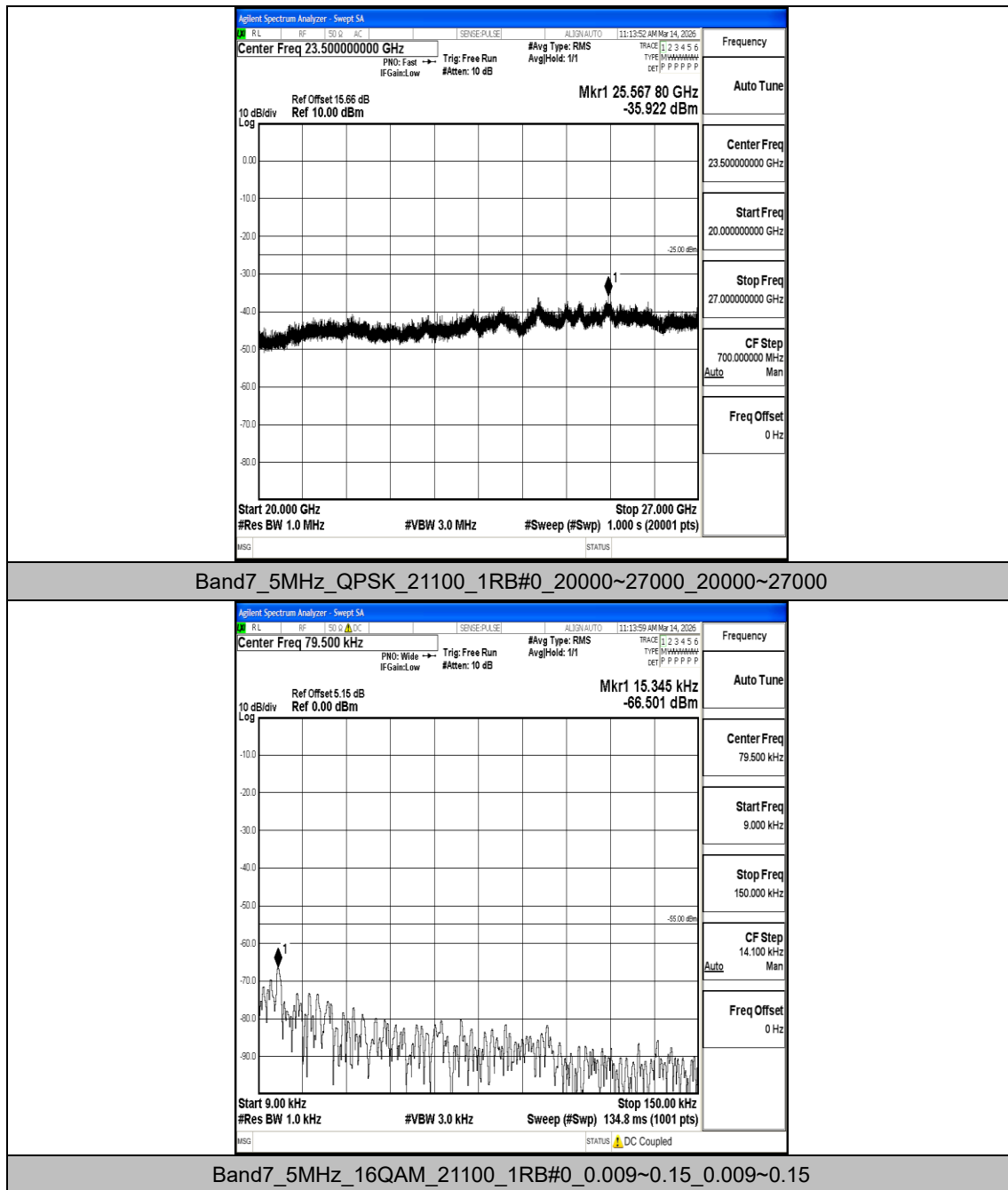
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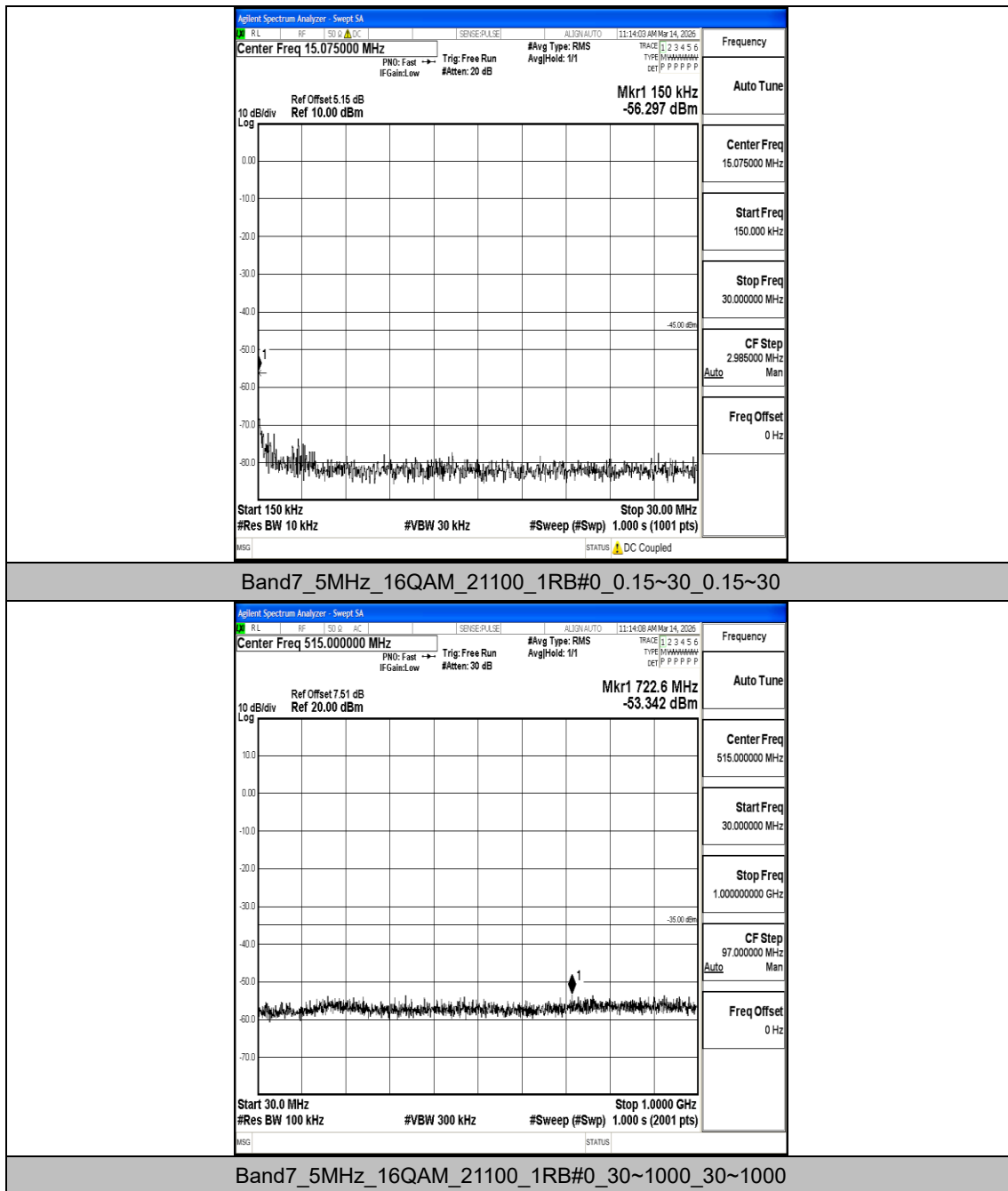


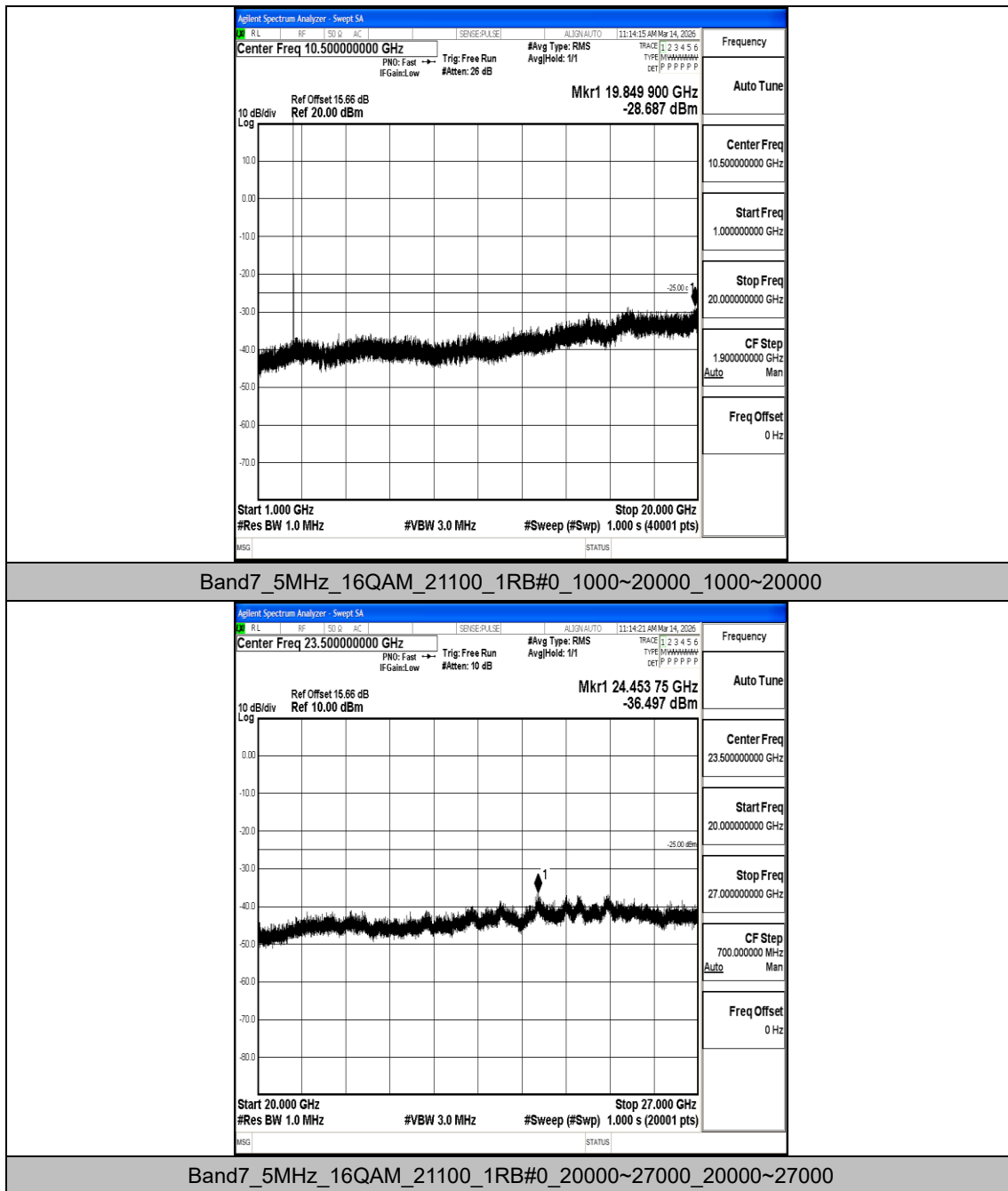


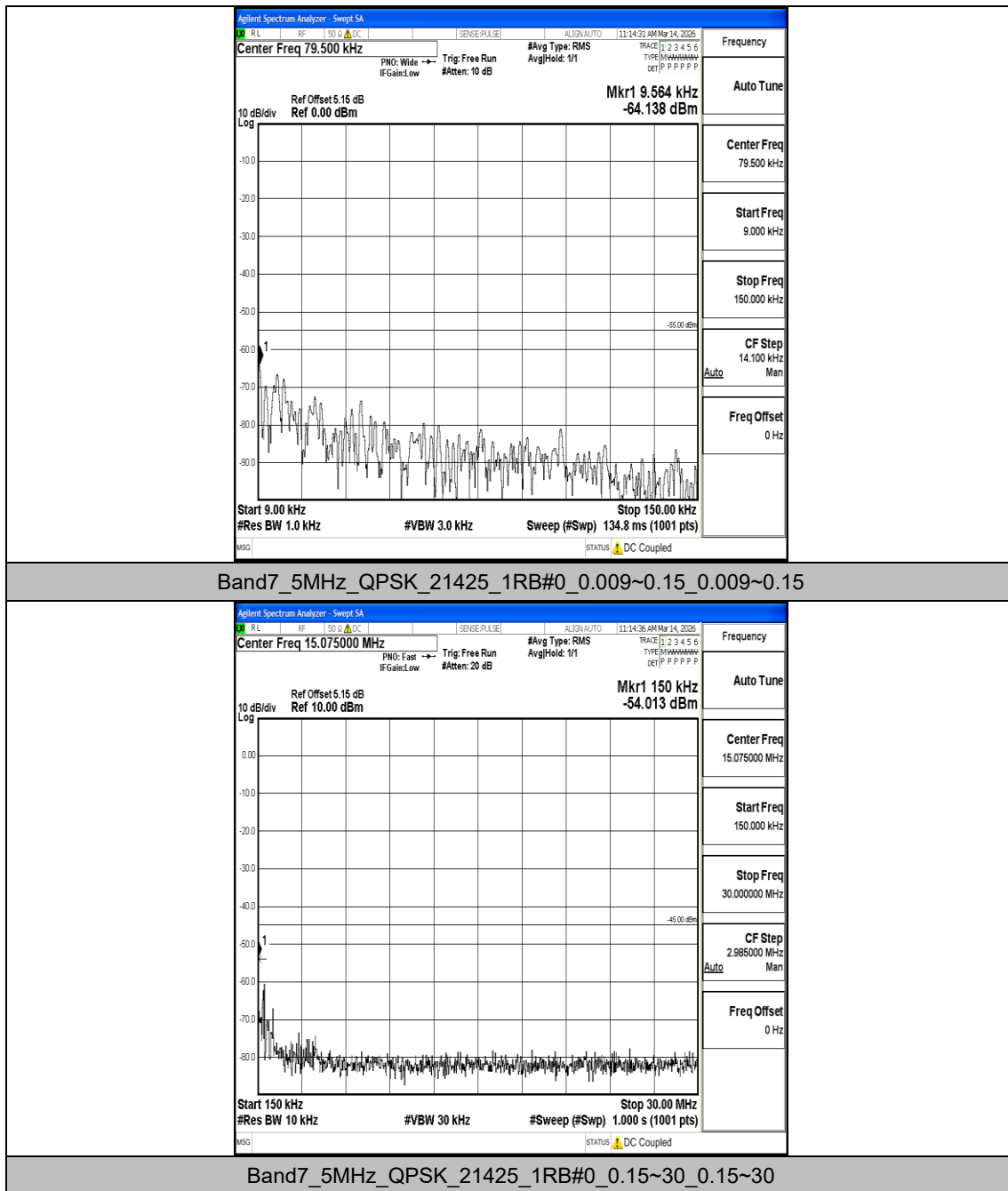


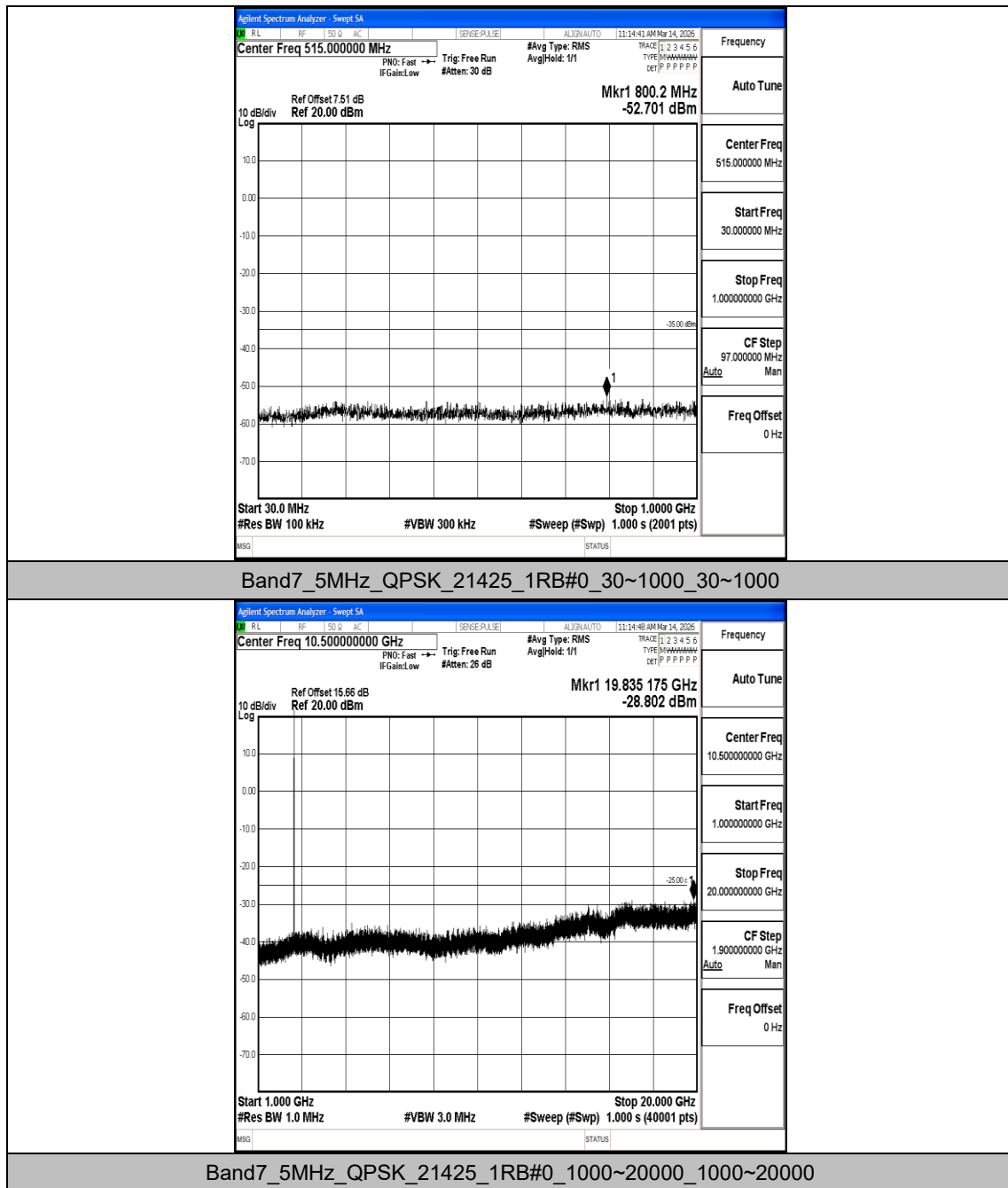


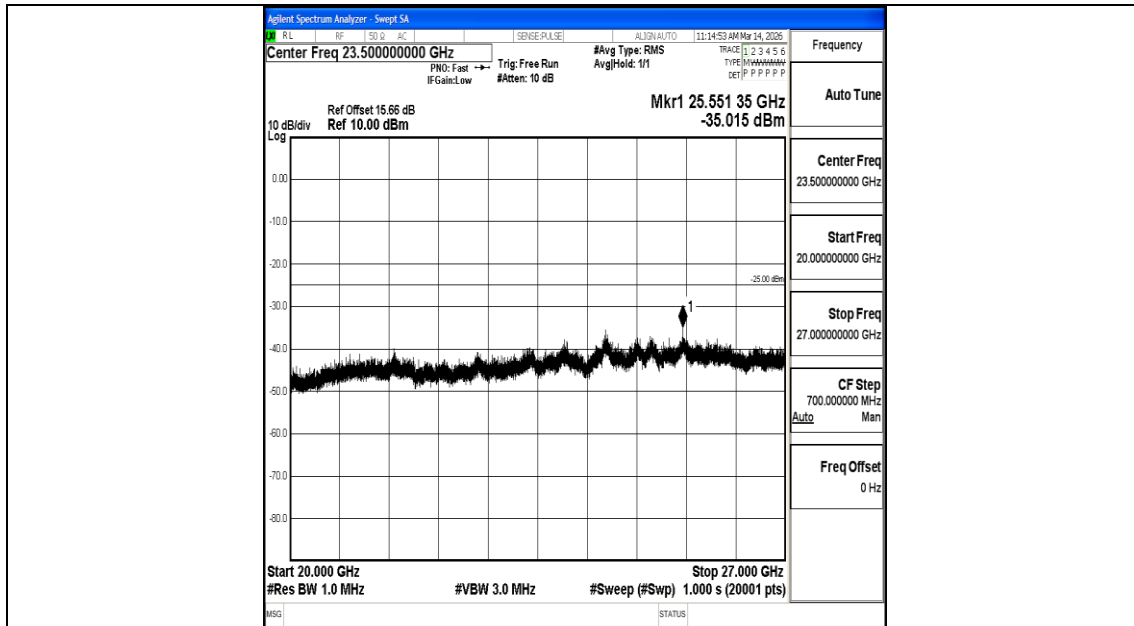




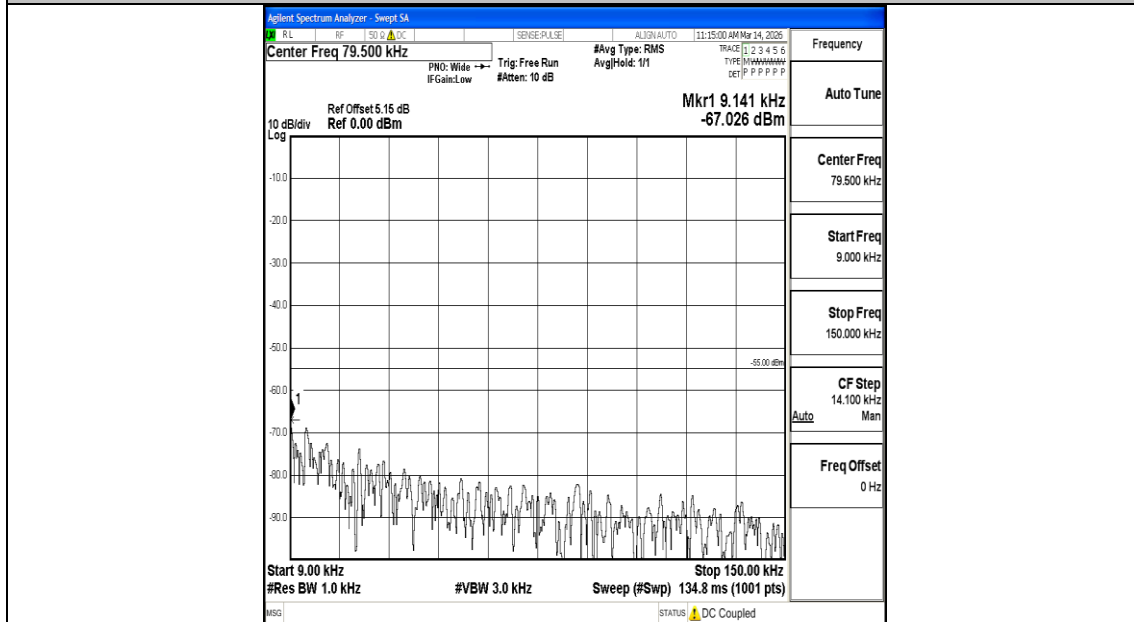








Band7_5MHz_QPSK_21425_1RB#0_20000~27000_20000~27000



Band7_5MHz_16QAM_21425_1RB#0_0.009~0.15_0.009~0.15