

FCC Appendix RF Test Data for LTE Band 5

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

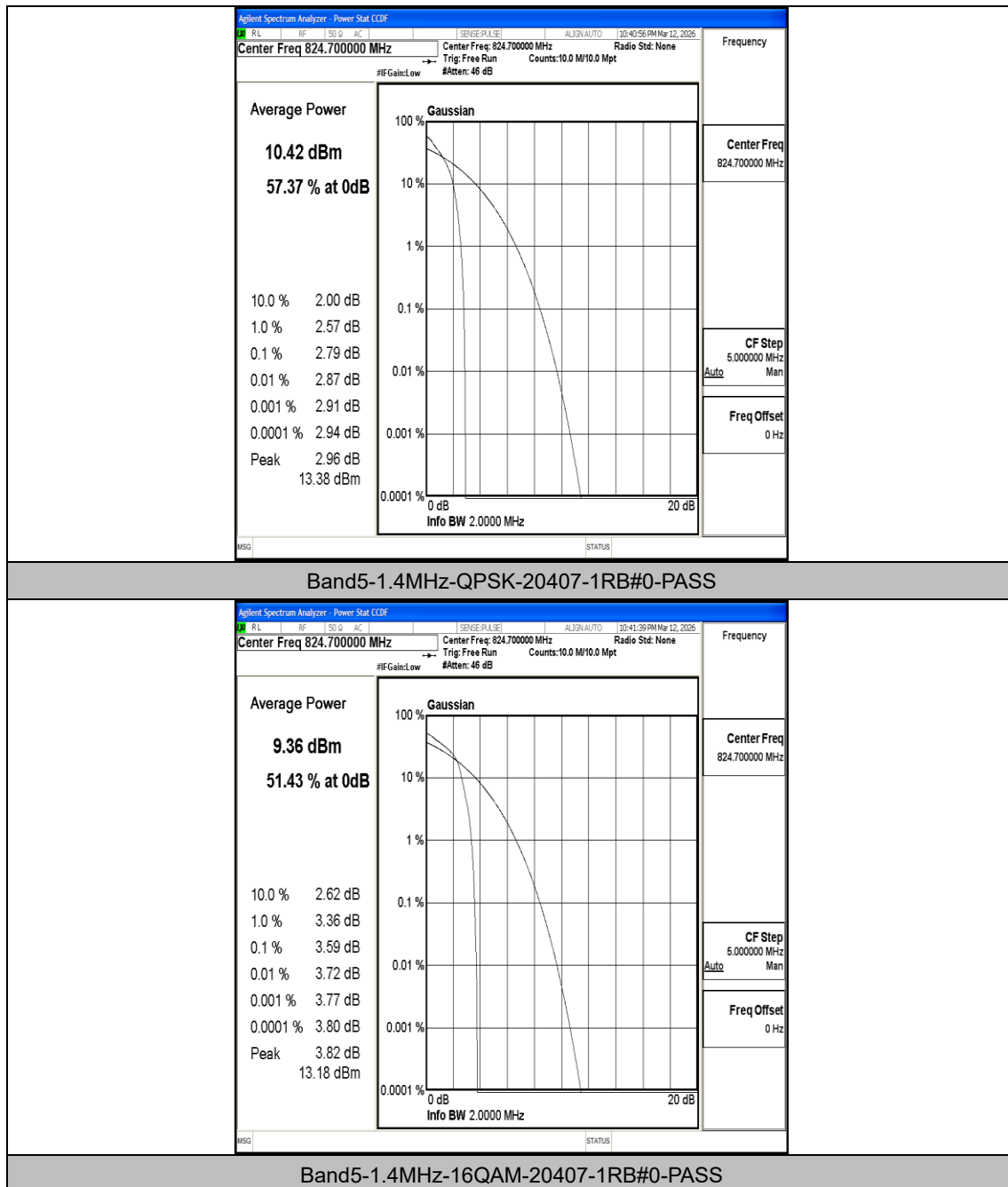
A Peak-to-Average Ratio(CCDF)

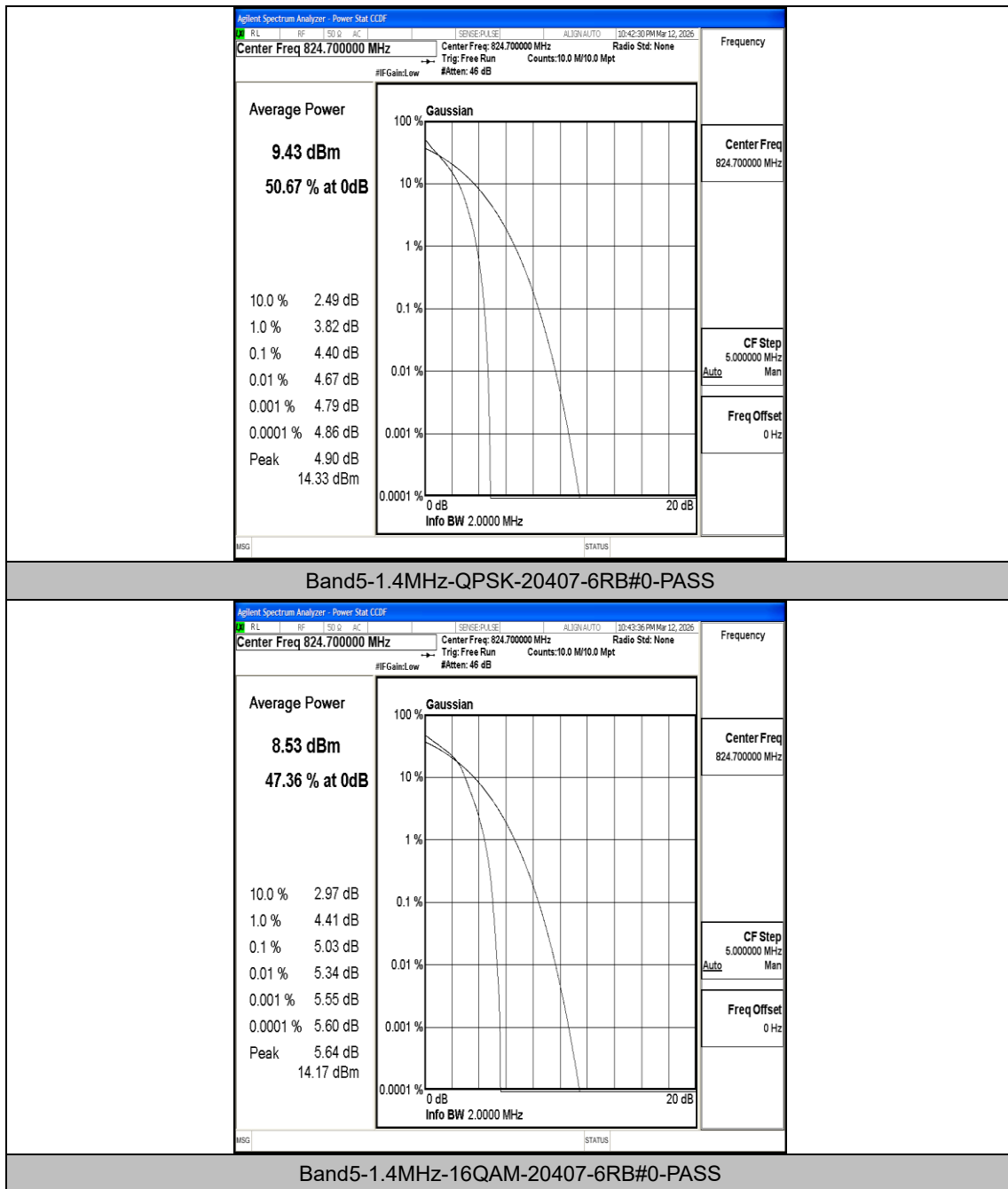
Test Result

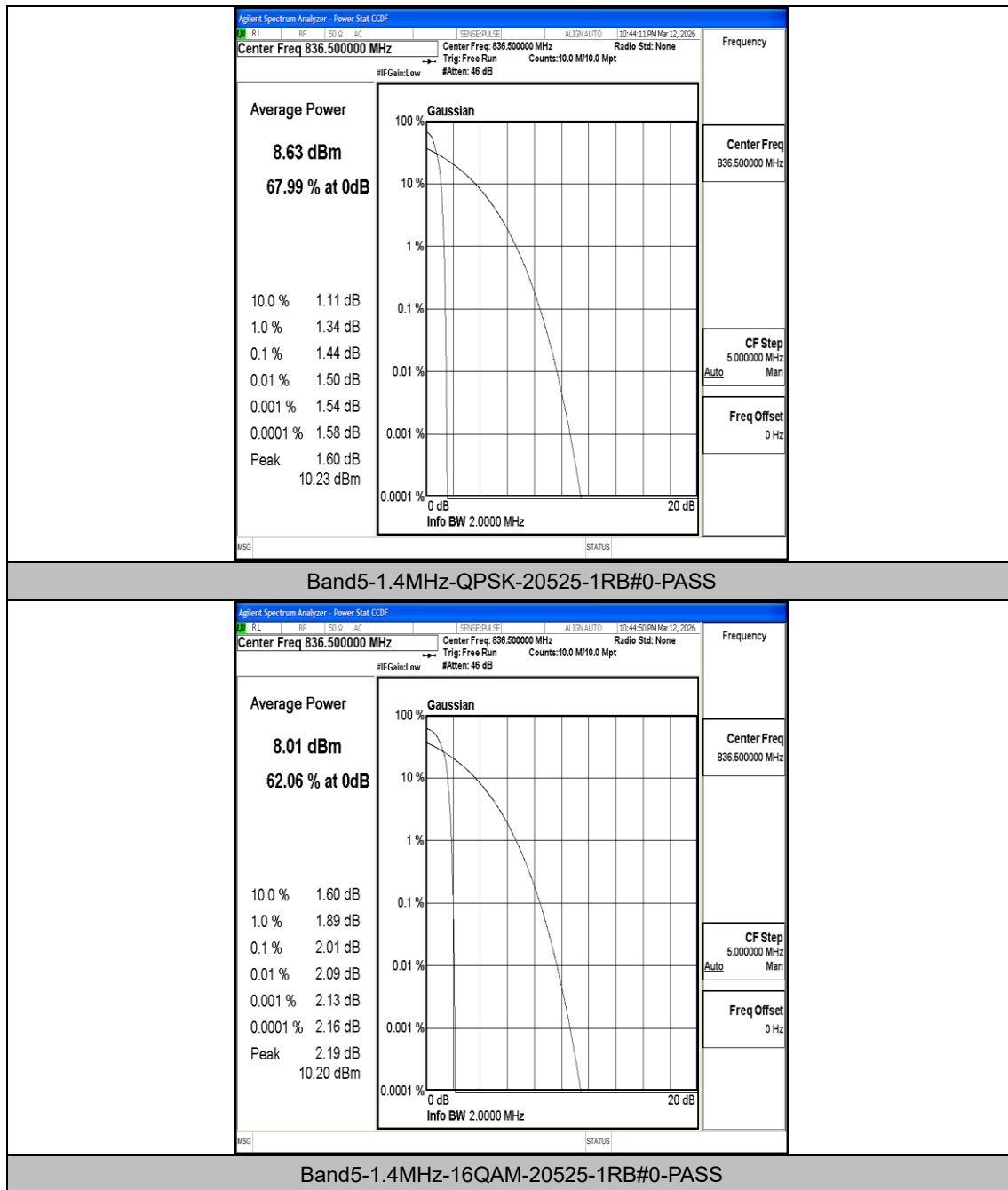
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	2.79	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3.59	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.40	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.03	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1.44	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	2.01	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	2.59	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3.09	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1.13	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1.78	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	2.32	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	2.91	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	2.74	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	3.48	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.34	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	1.32	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	1.92	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.53	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	3.11	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	1.41	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	2.11	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.43	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	3.04	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	2.95	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	3.62	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.18	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.86	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	1.42	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	1.88	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	3.92	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.35	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	1.88	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	2.74	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	3.89	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.52	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	3.27	13	PASS

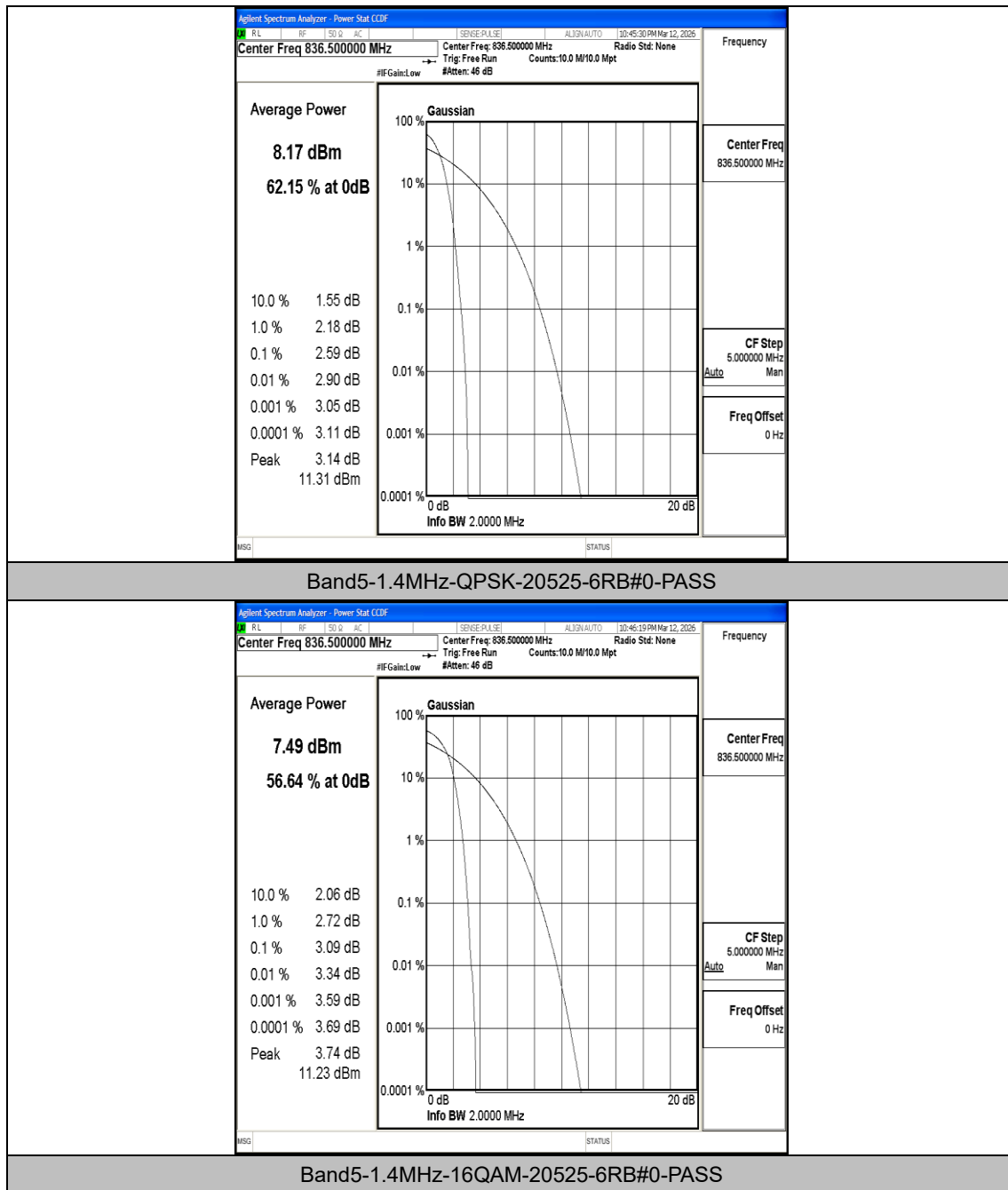
Band5	10MHz	16QAM	20450	1RB#0	4.00	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.58	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.34	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	1.66	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	2.41	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.09	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	4.56	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	2.57	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	3.24	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.28	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.15	13	PASS

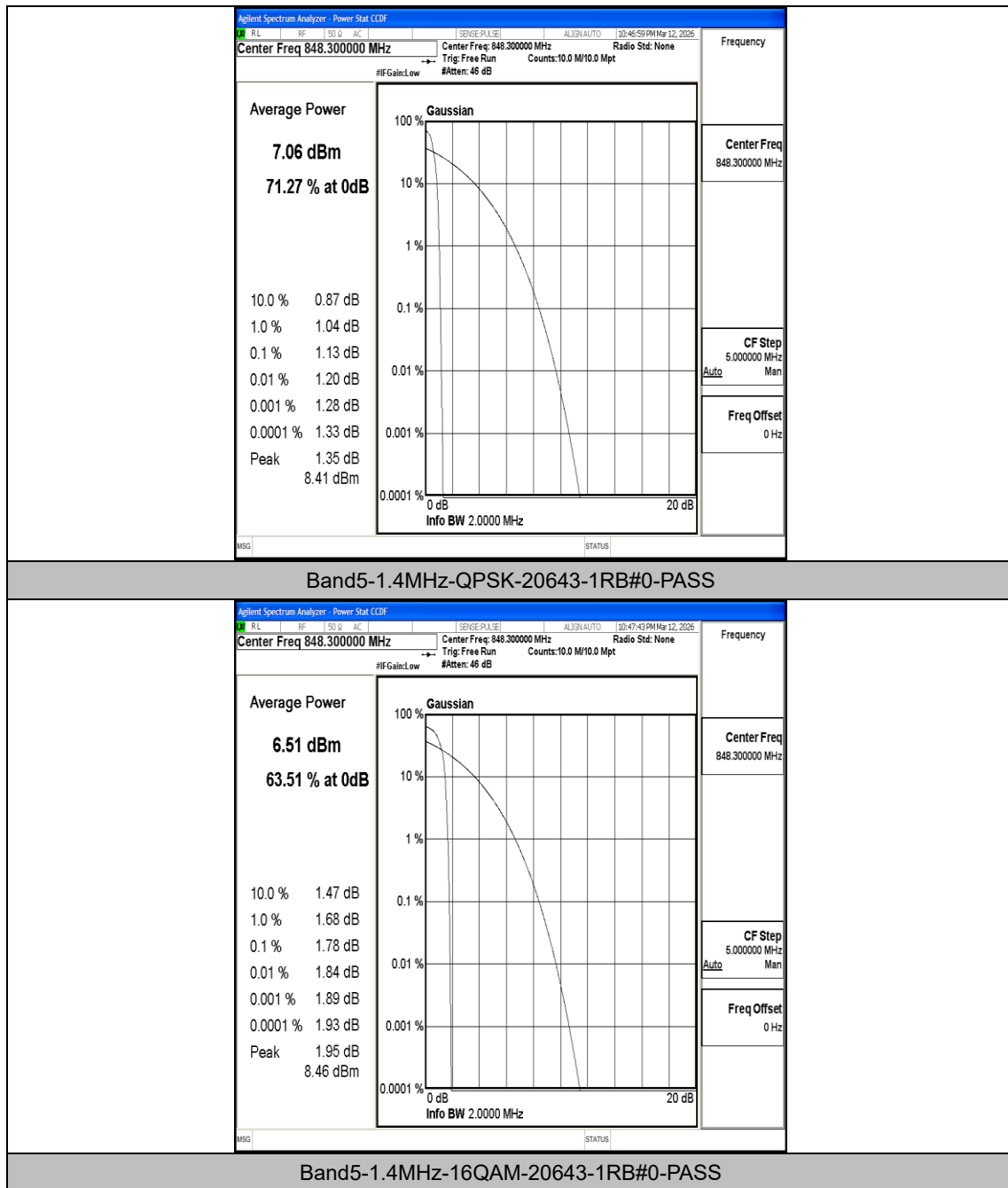
Test Graphs

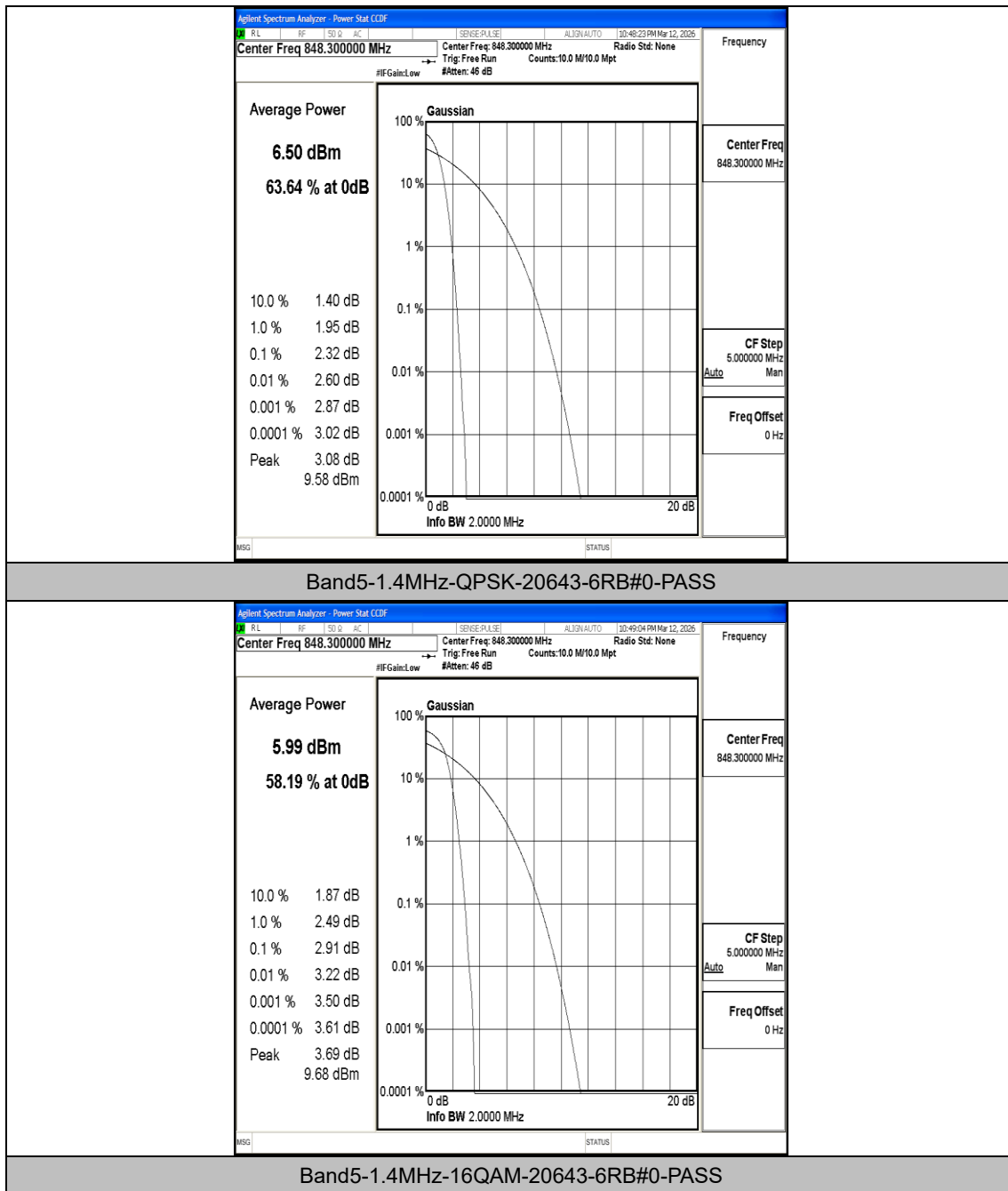


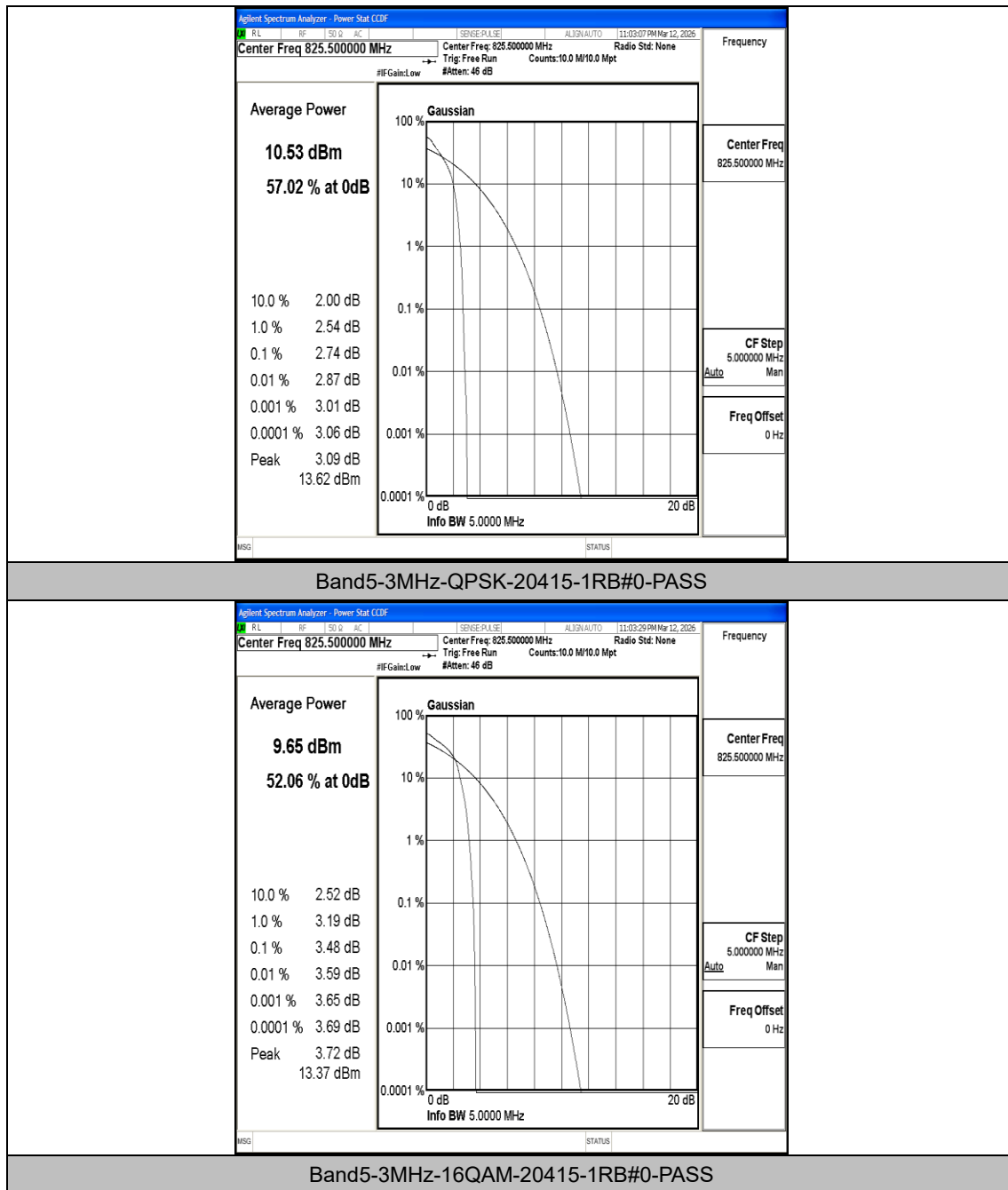


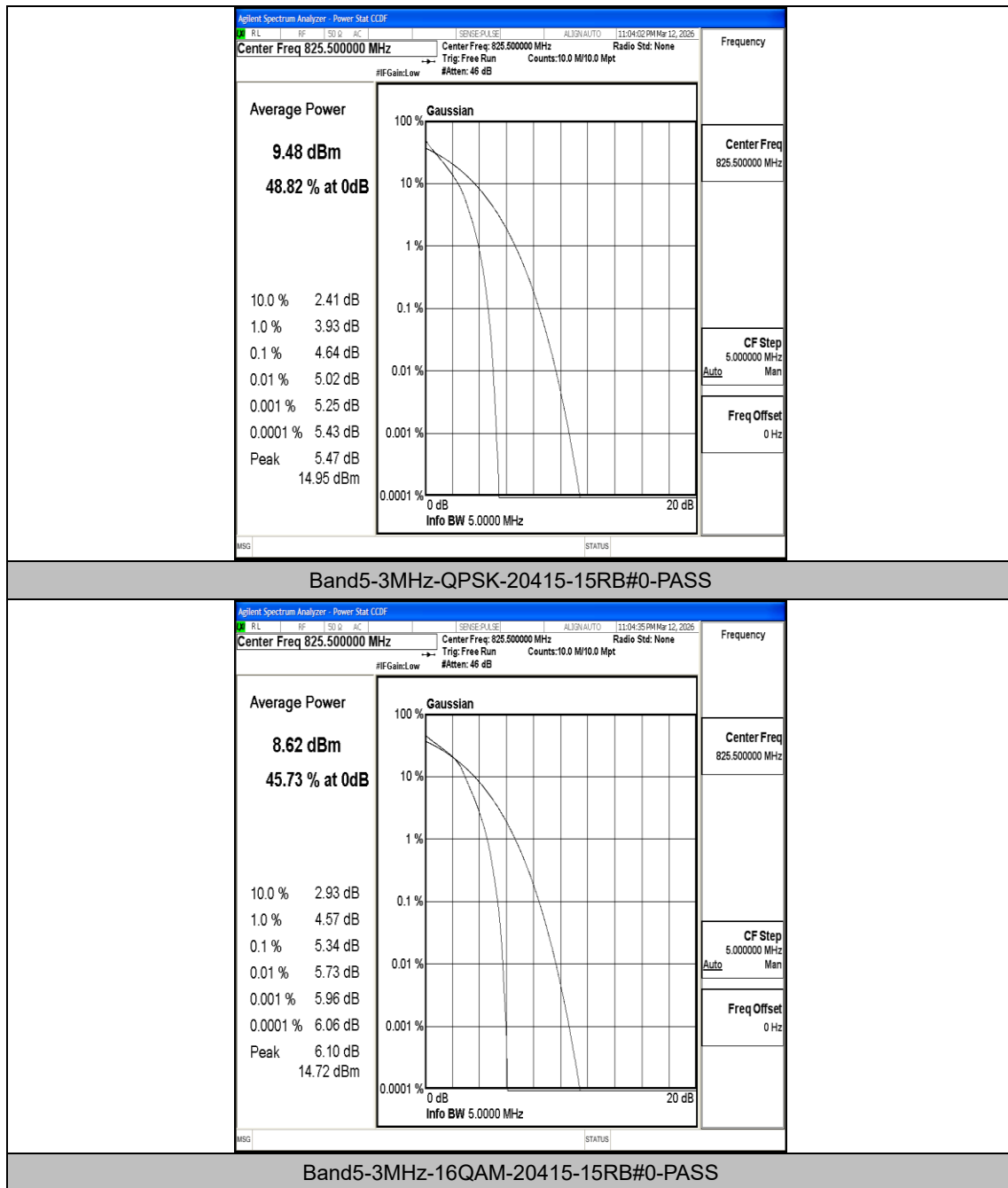


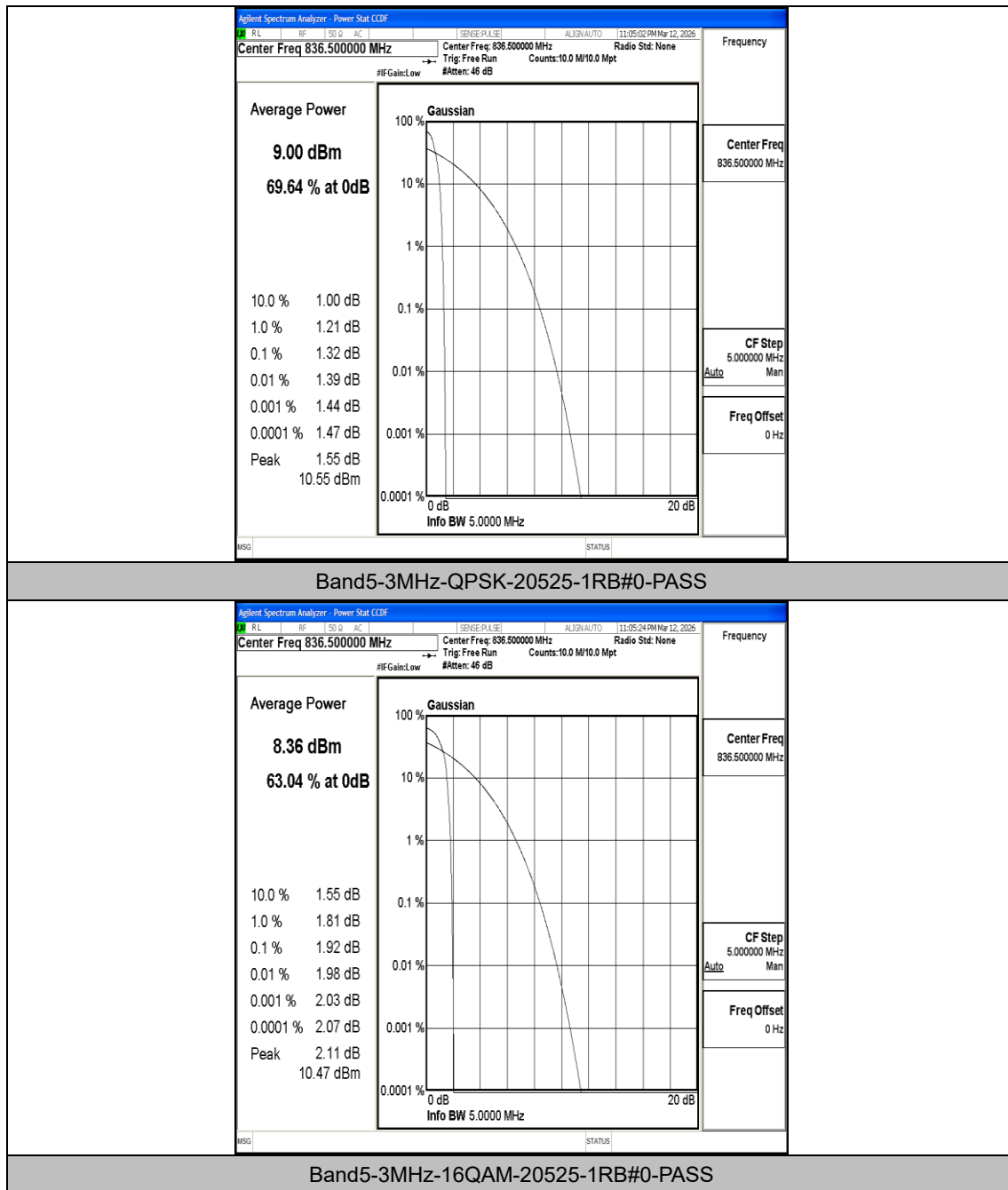


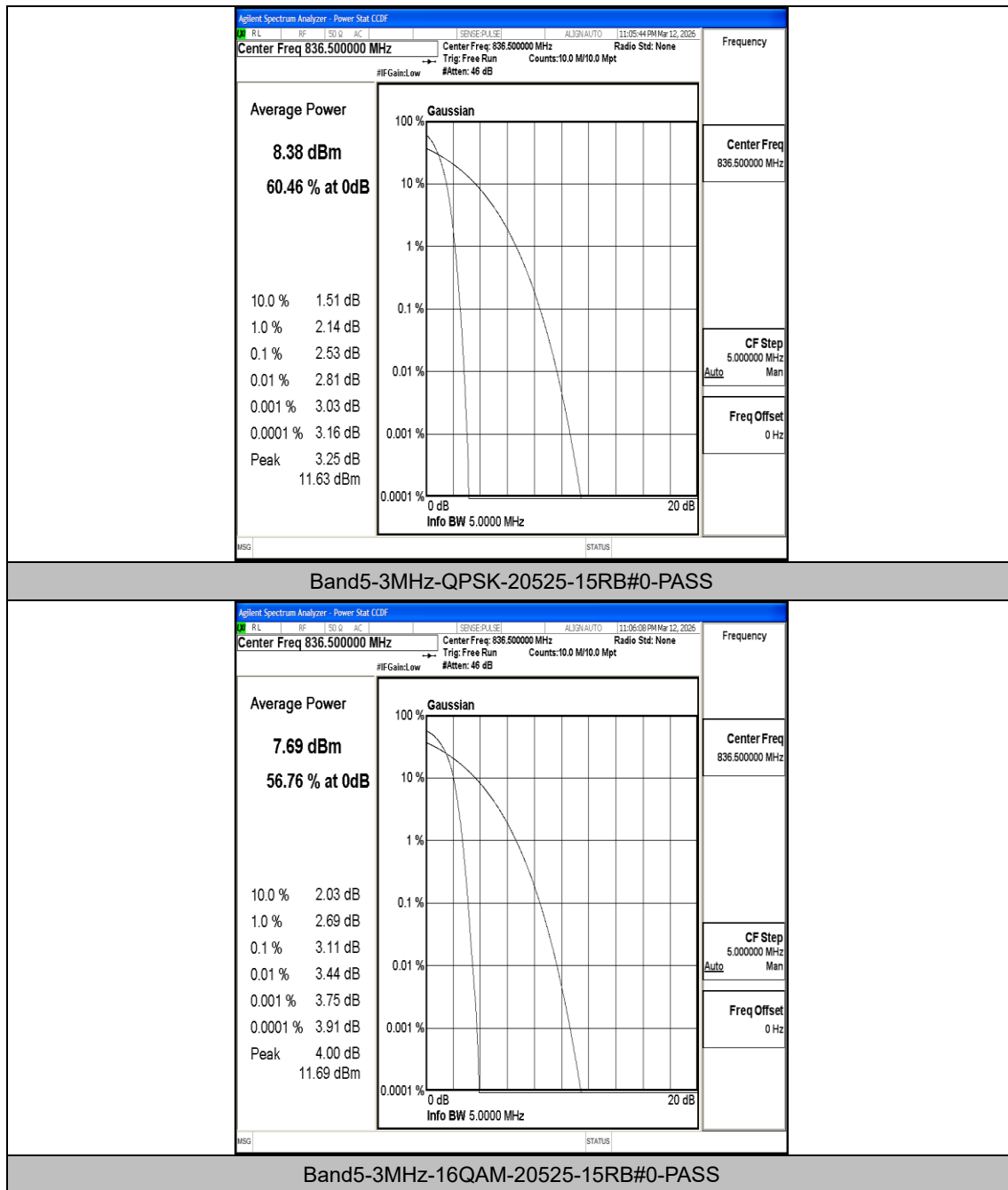


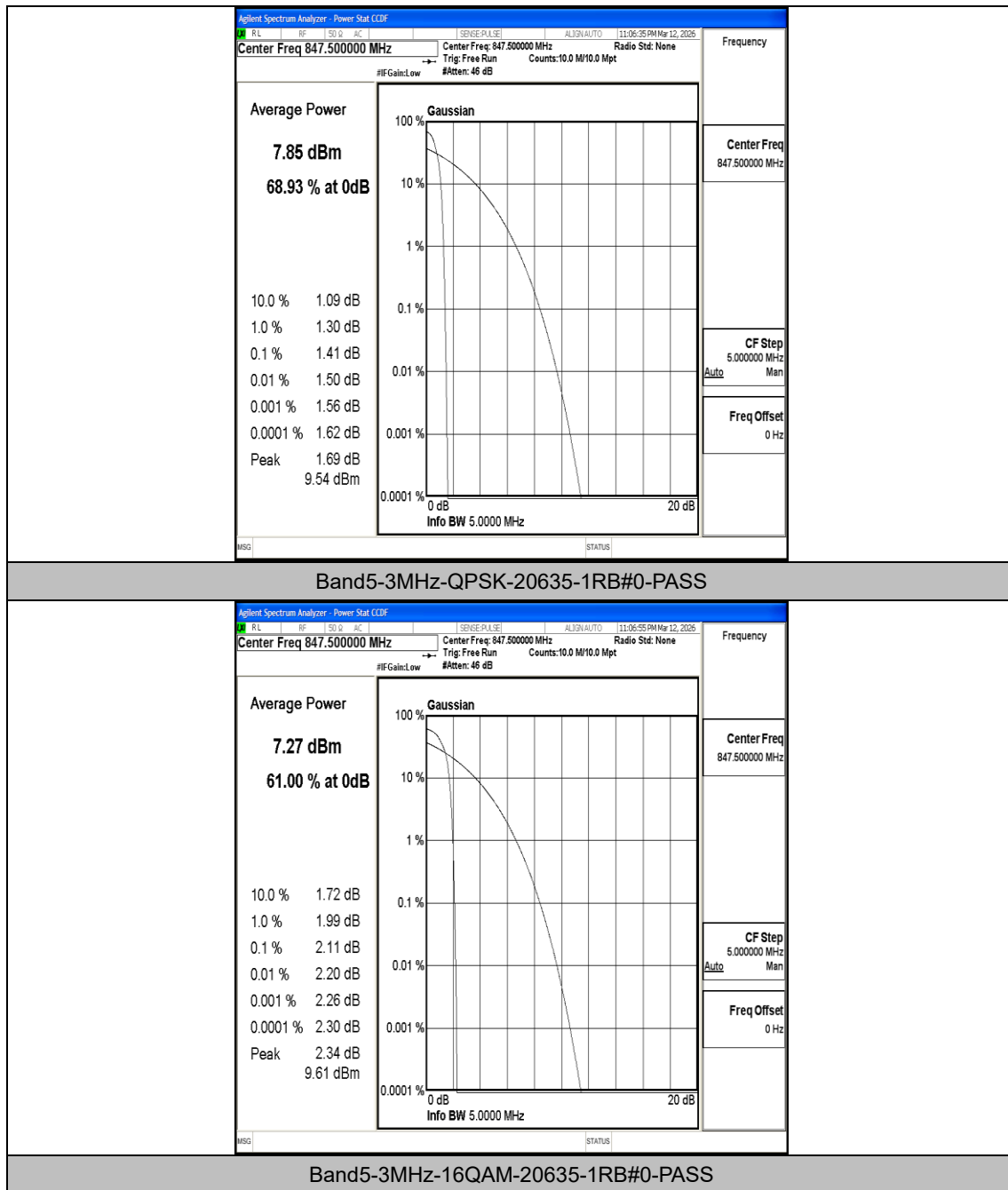


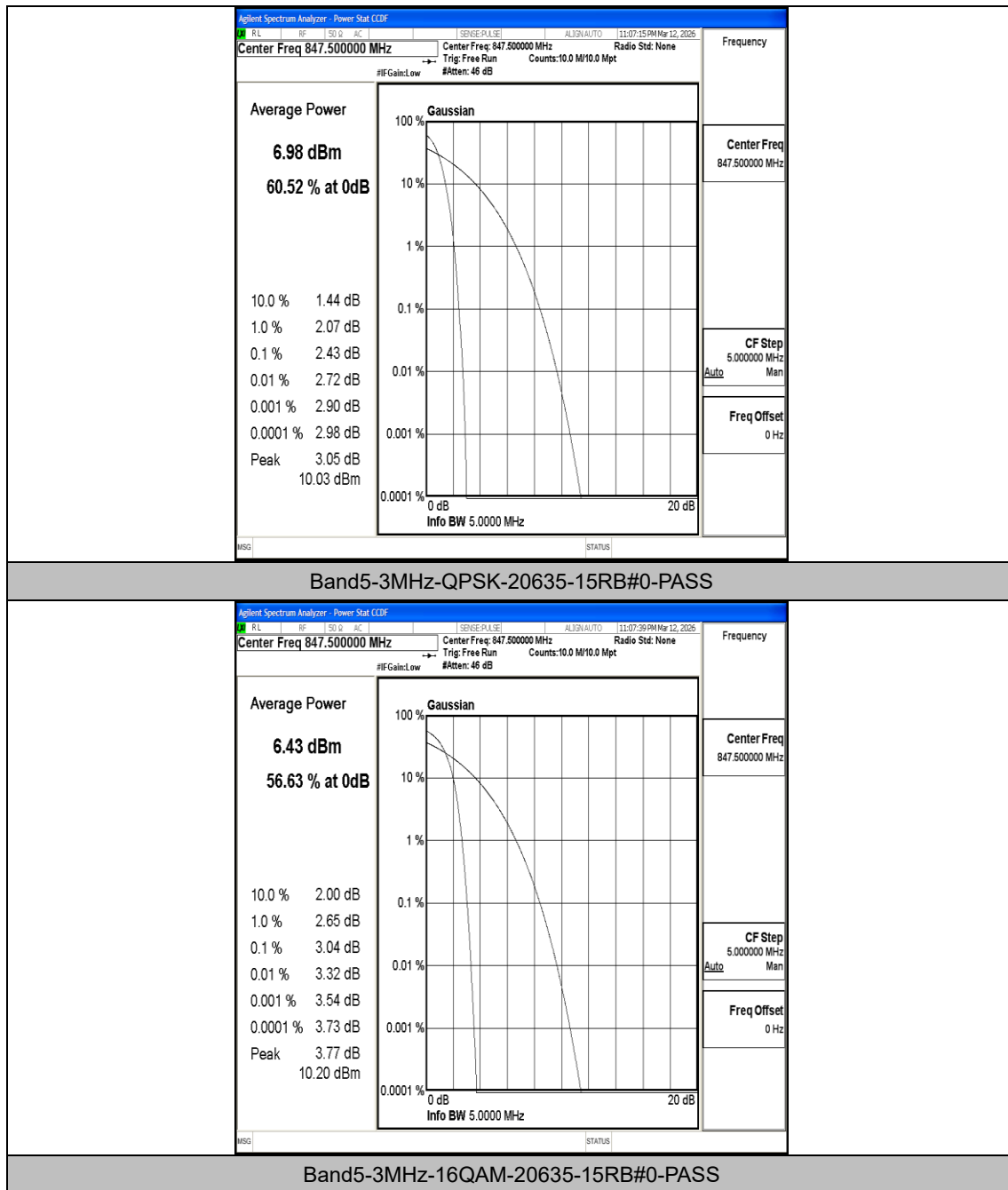


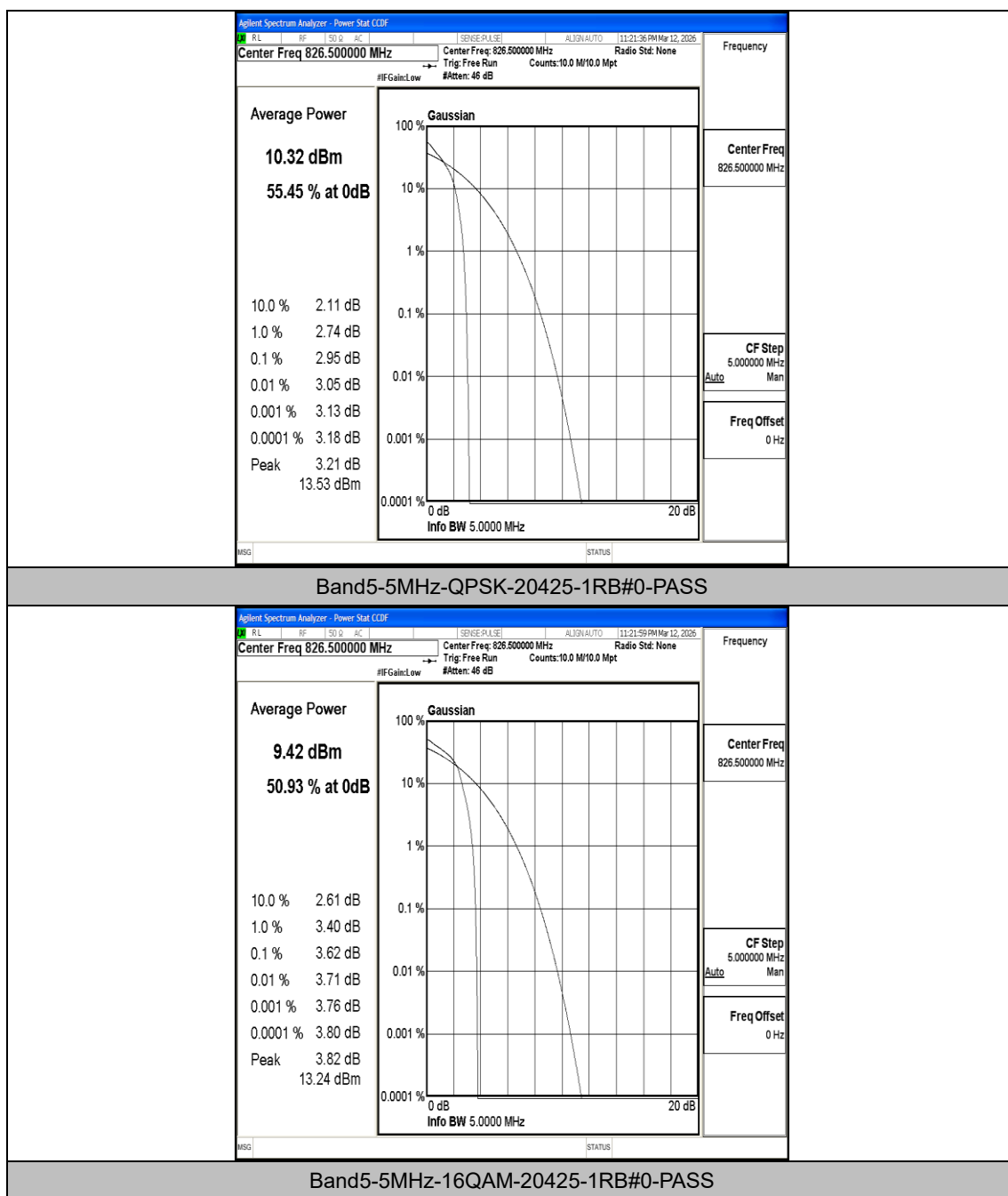


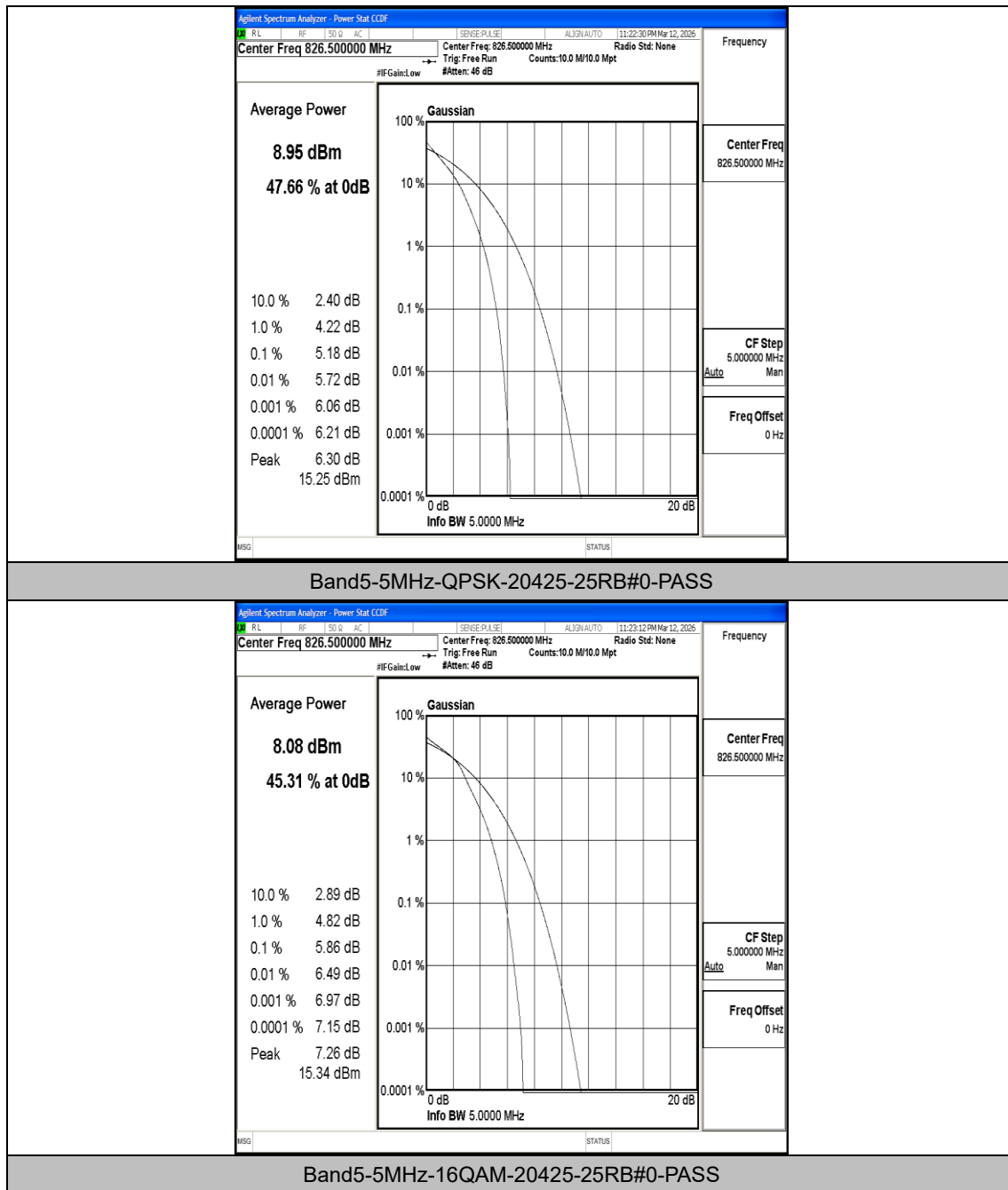


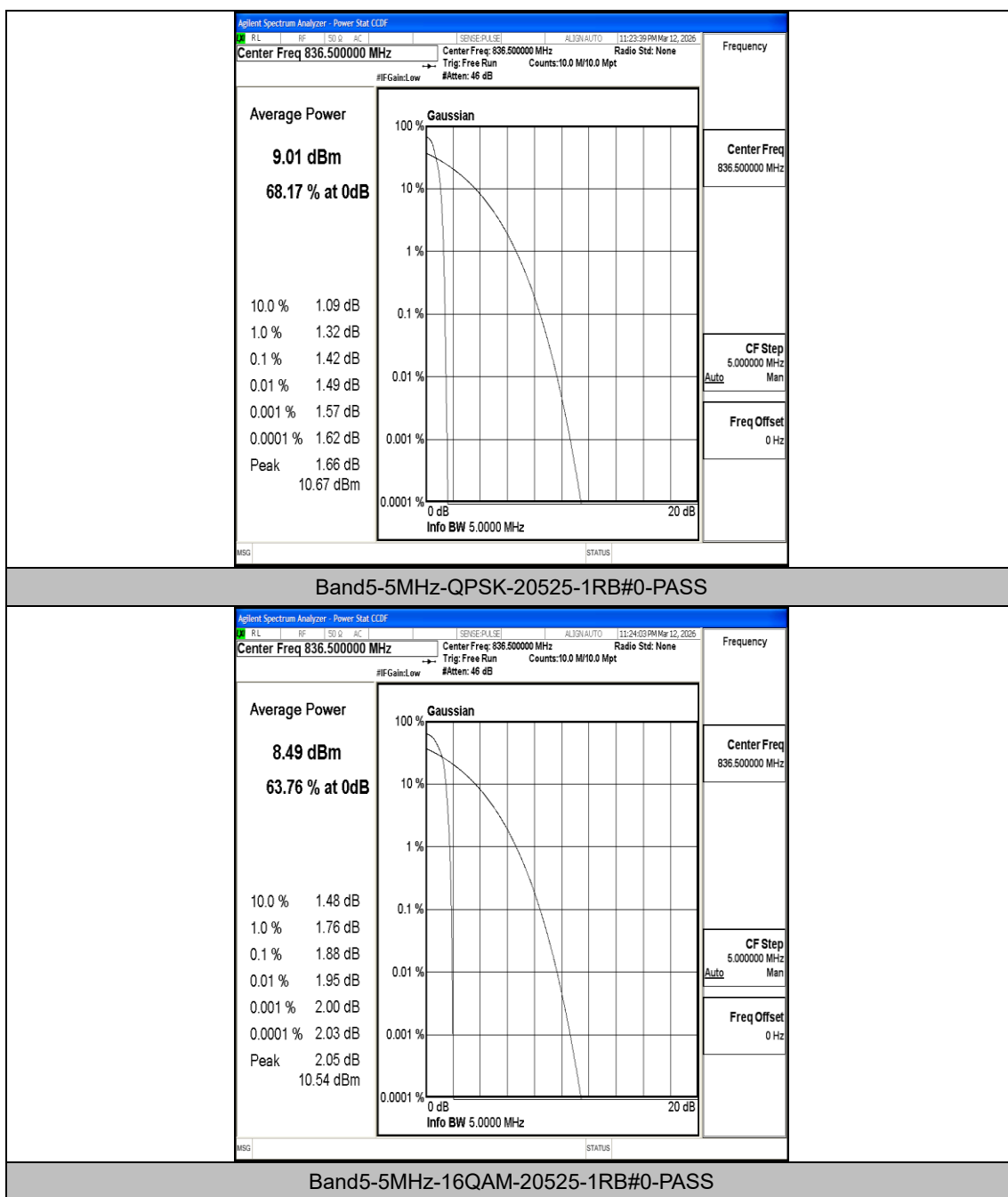


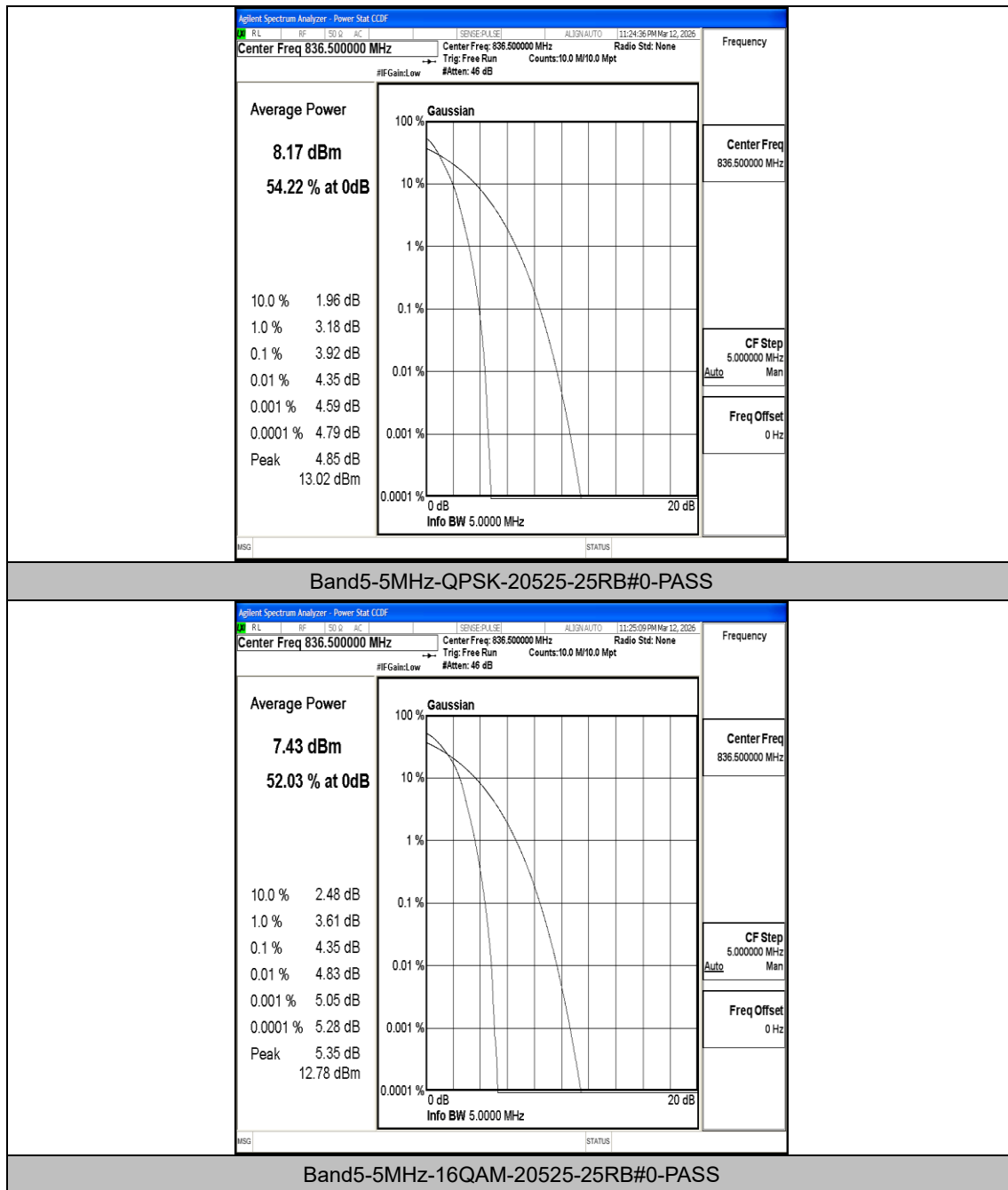


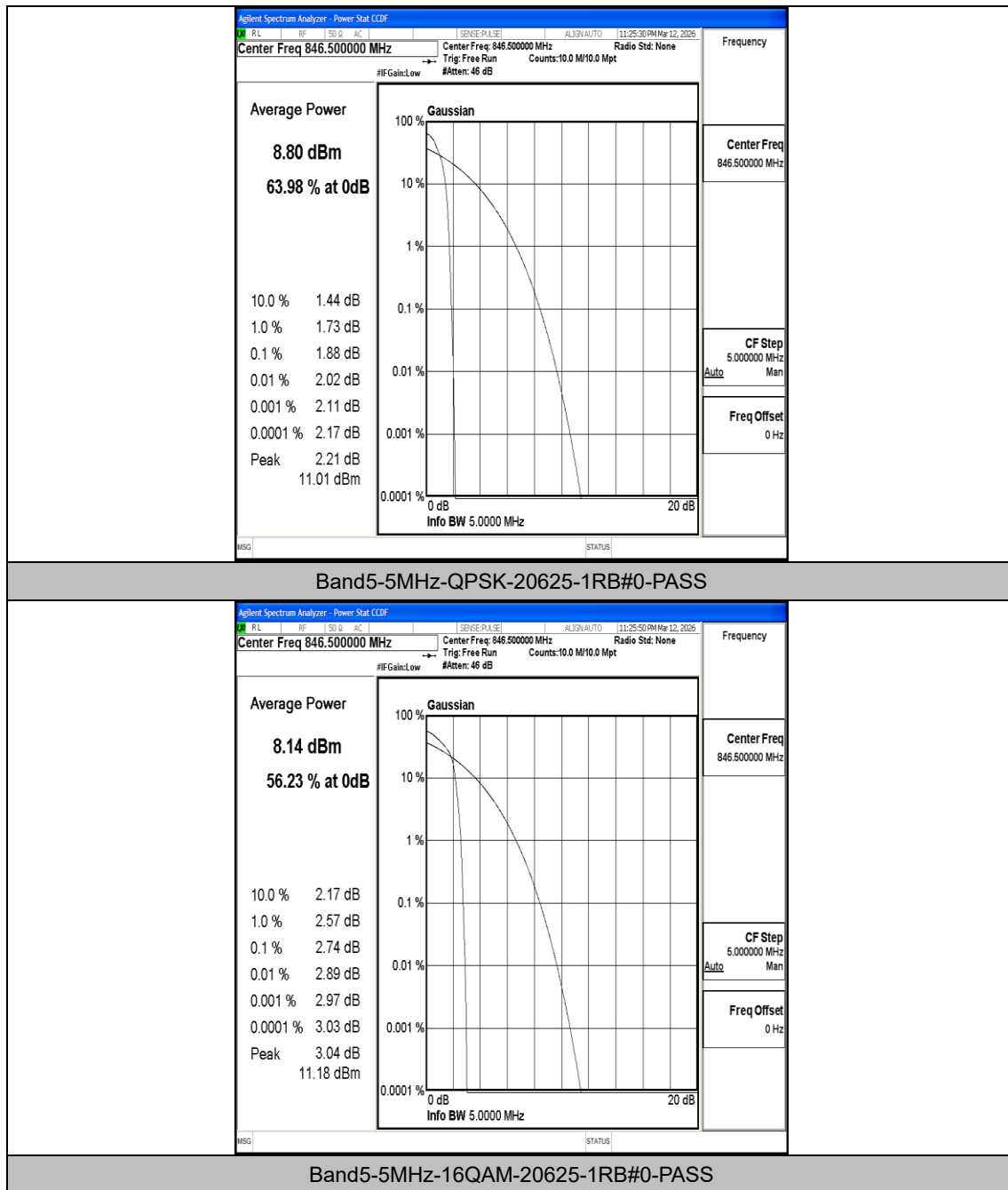


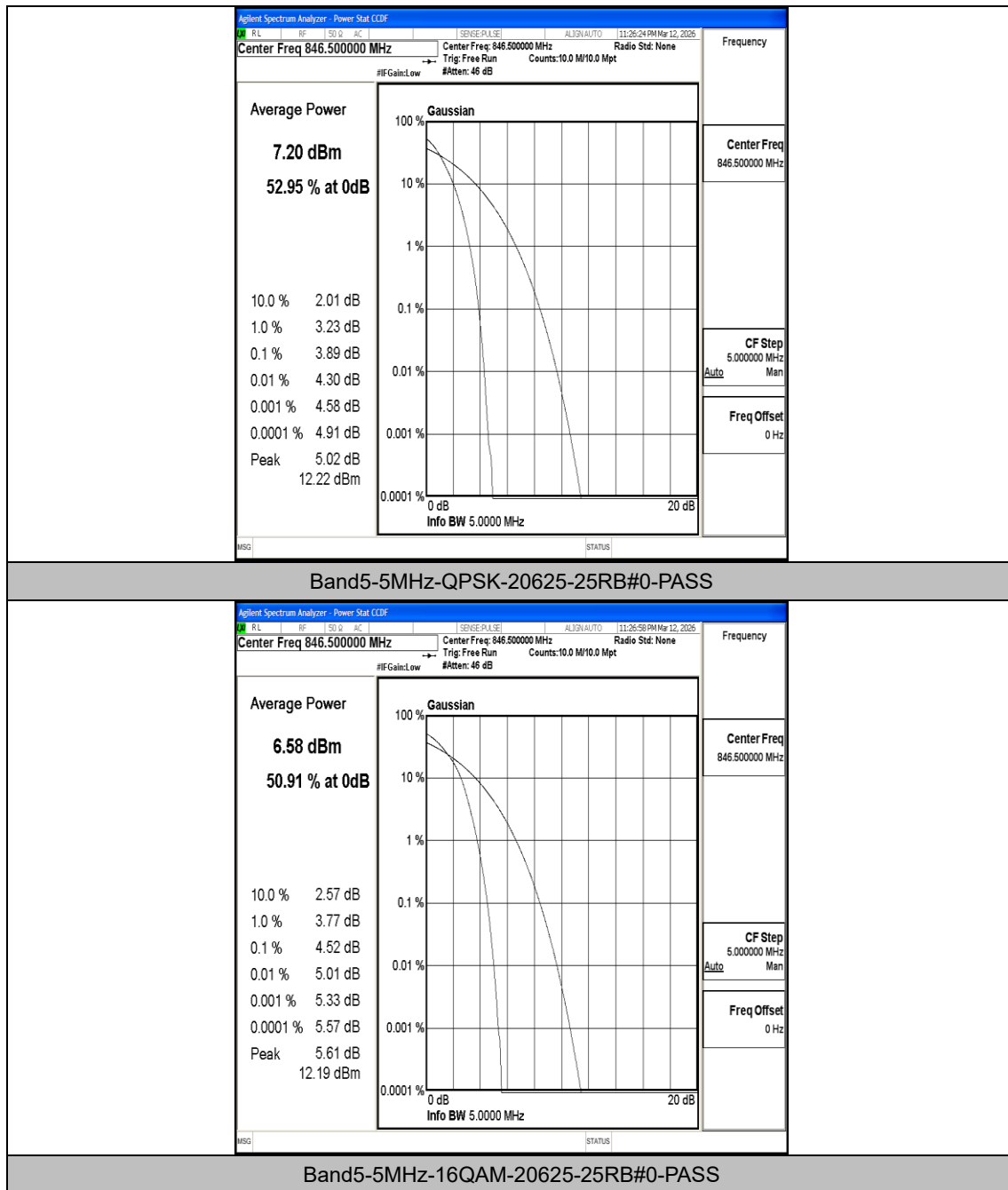


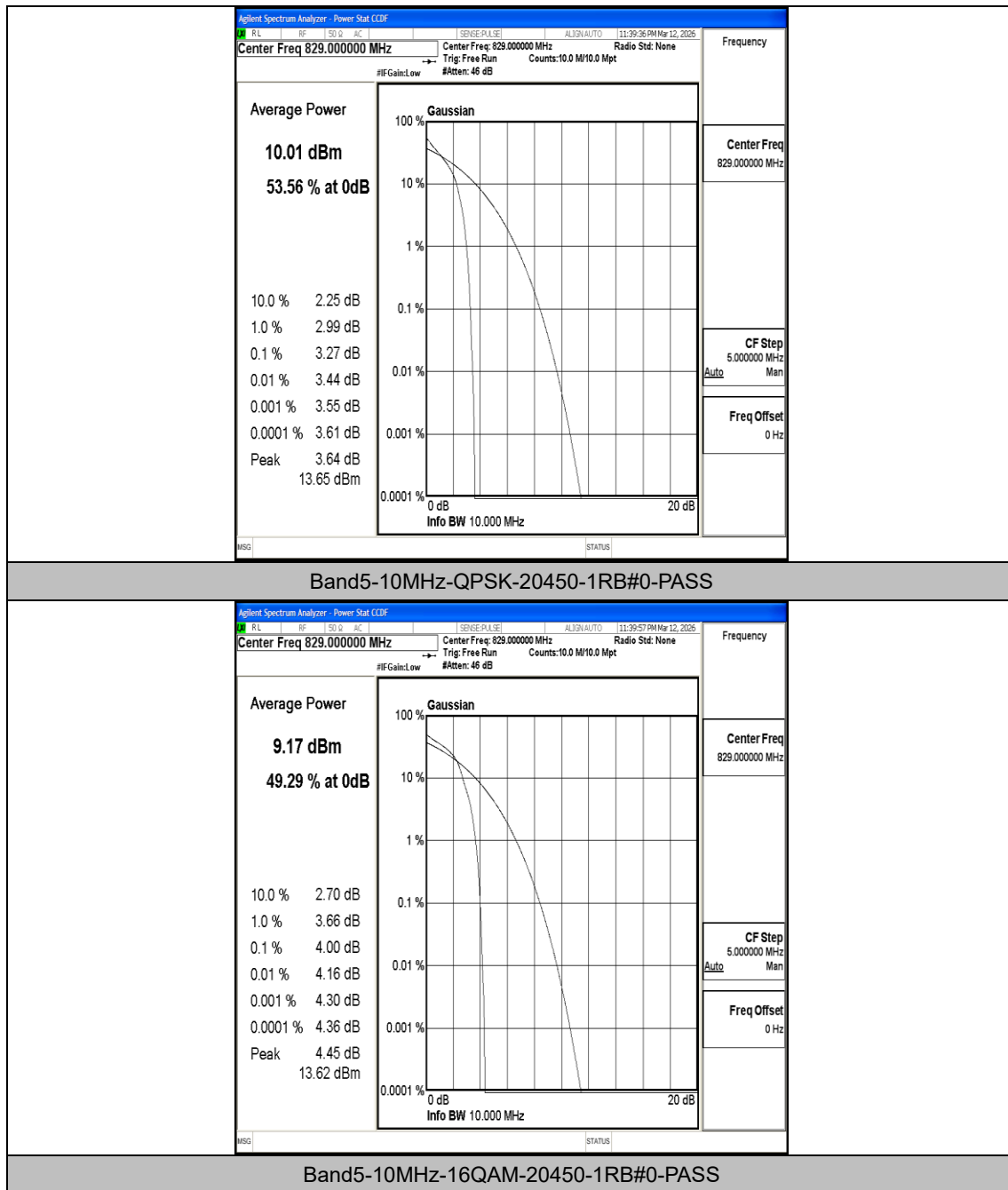


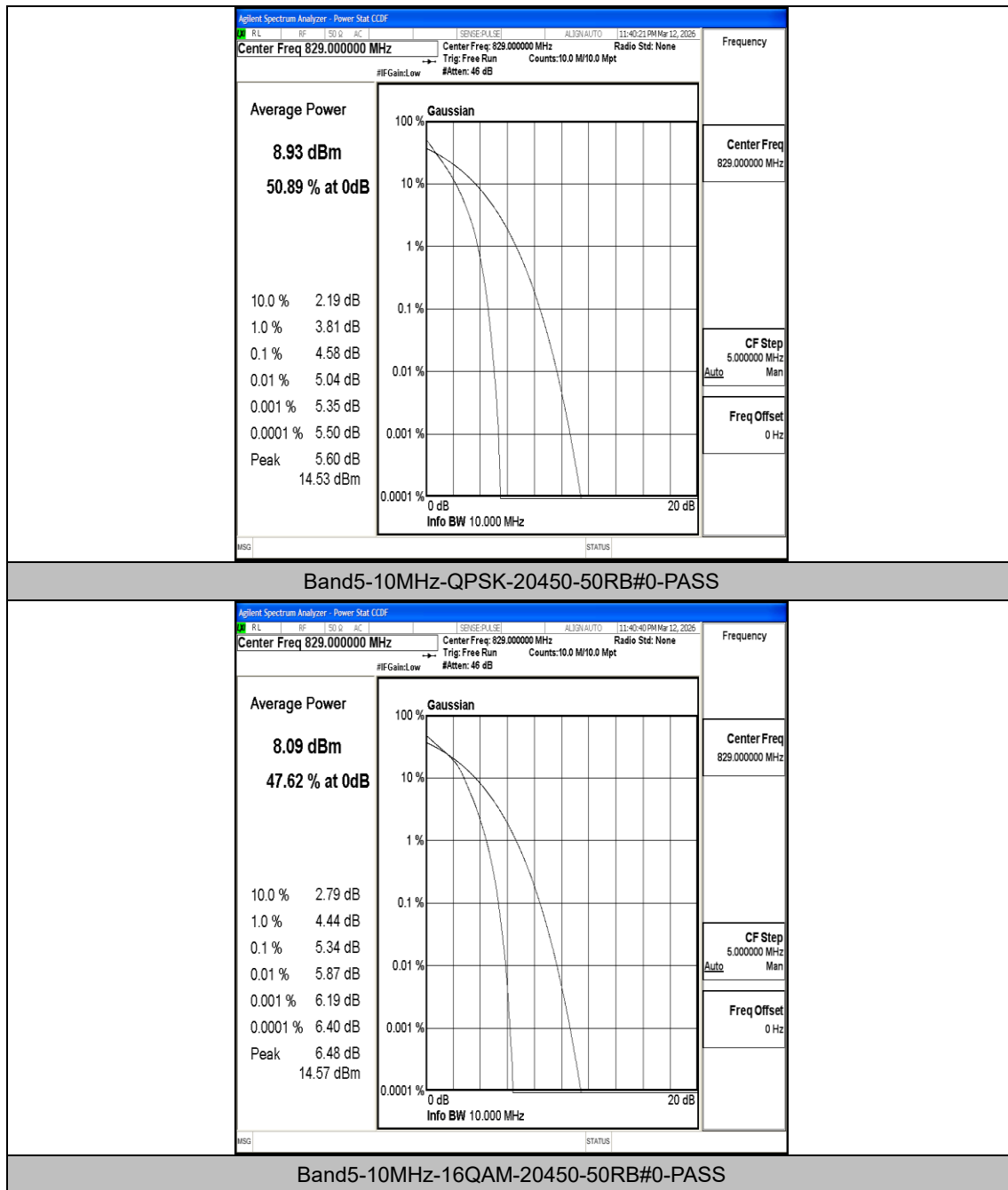


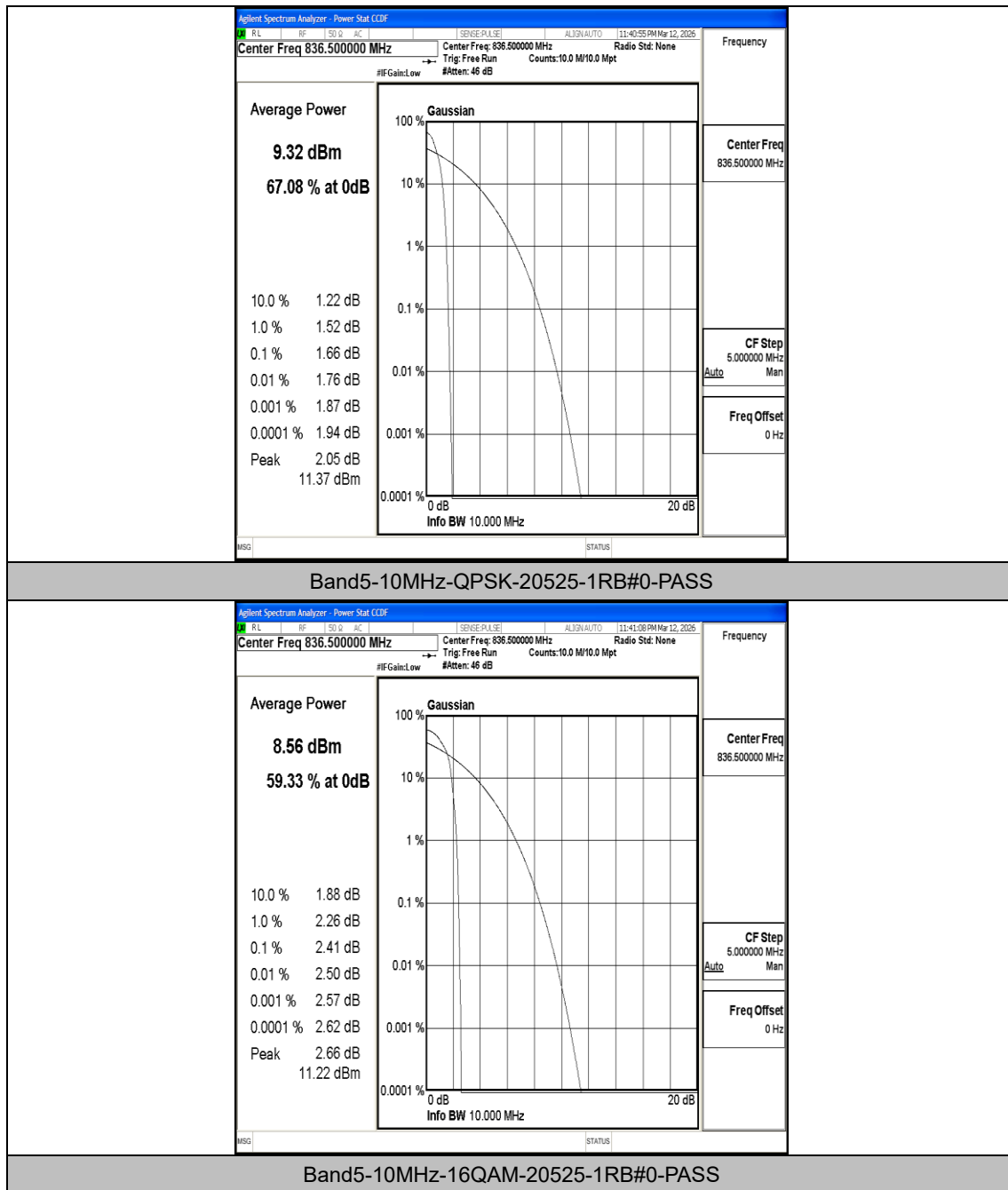


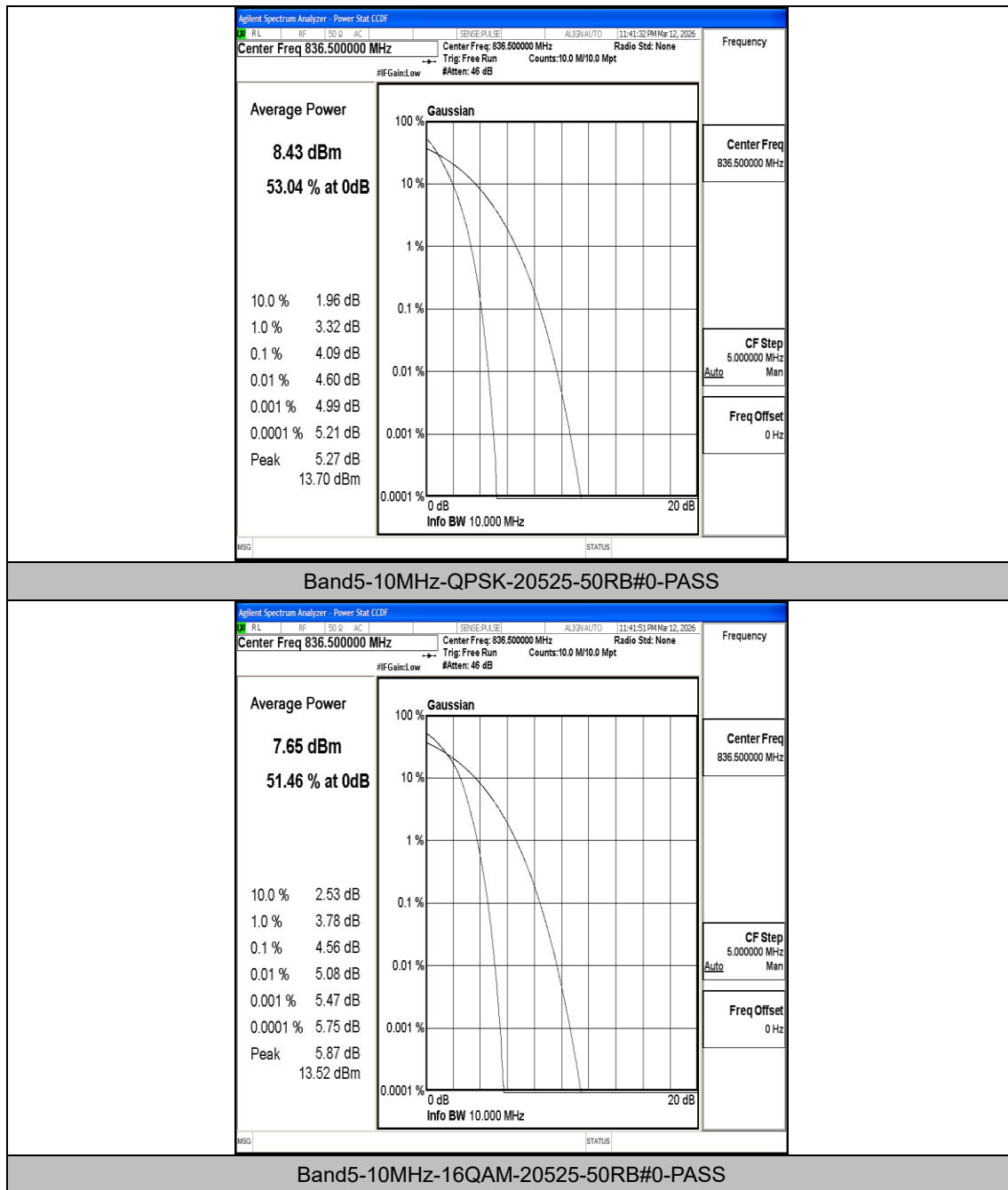


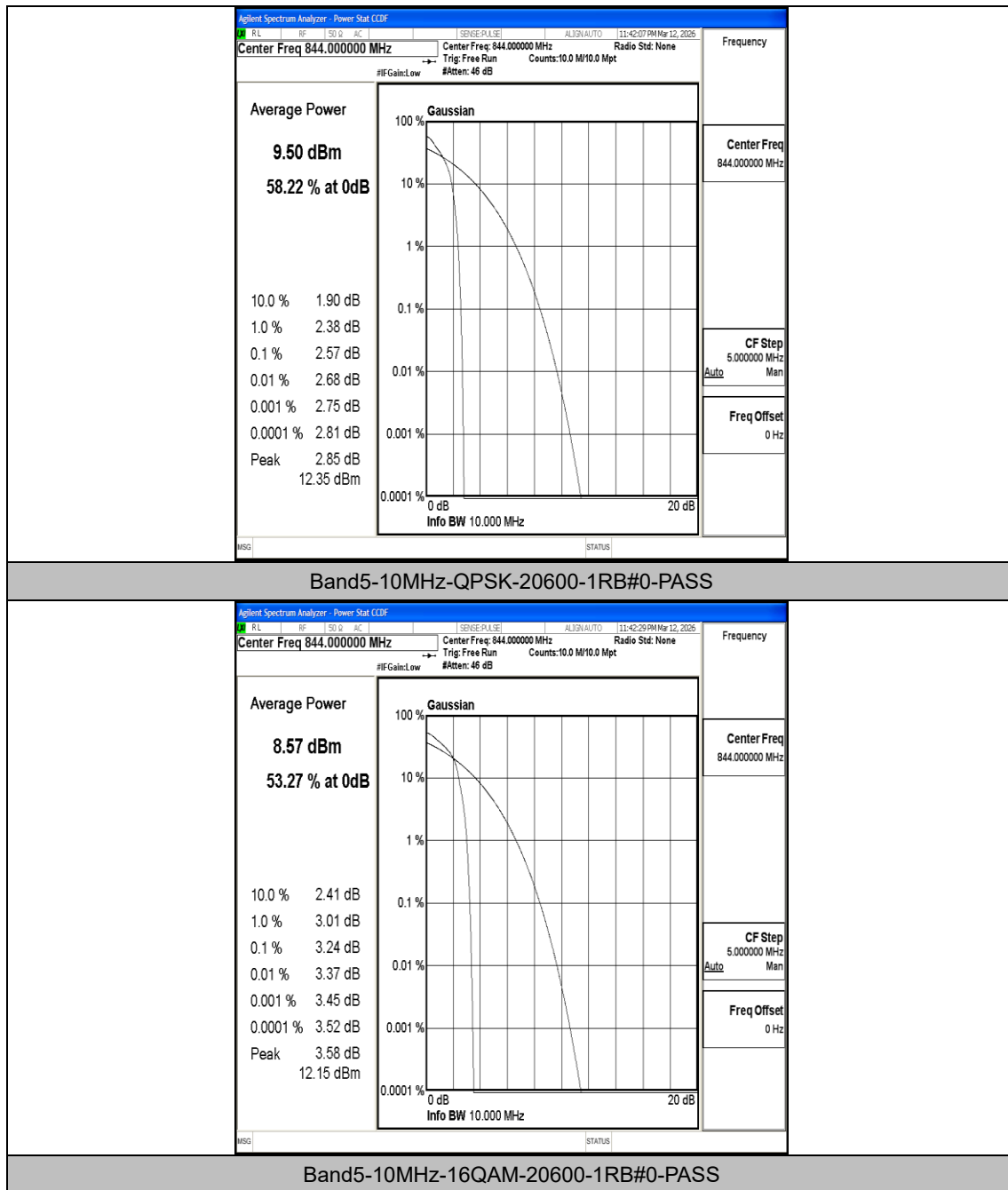


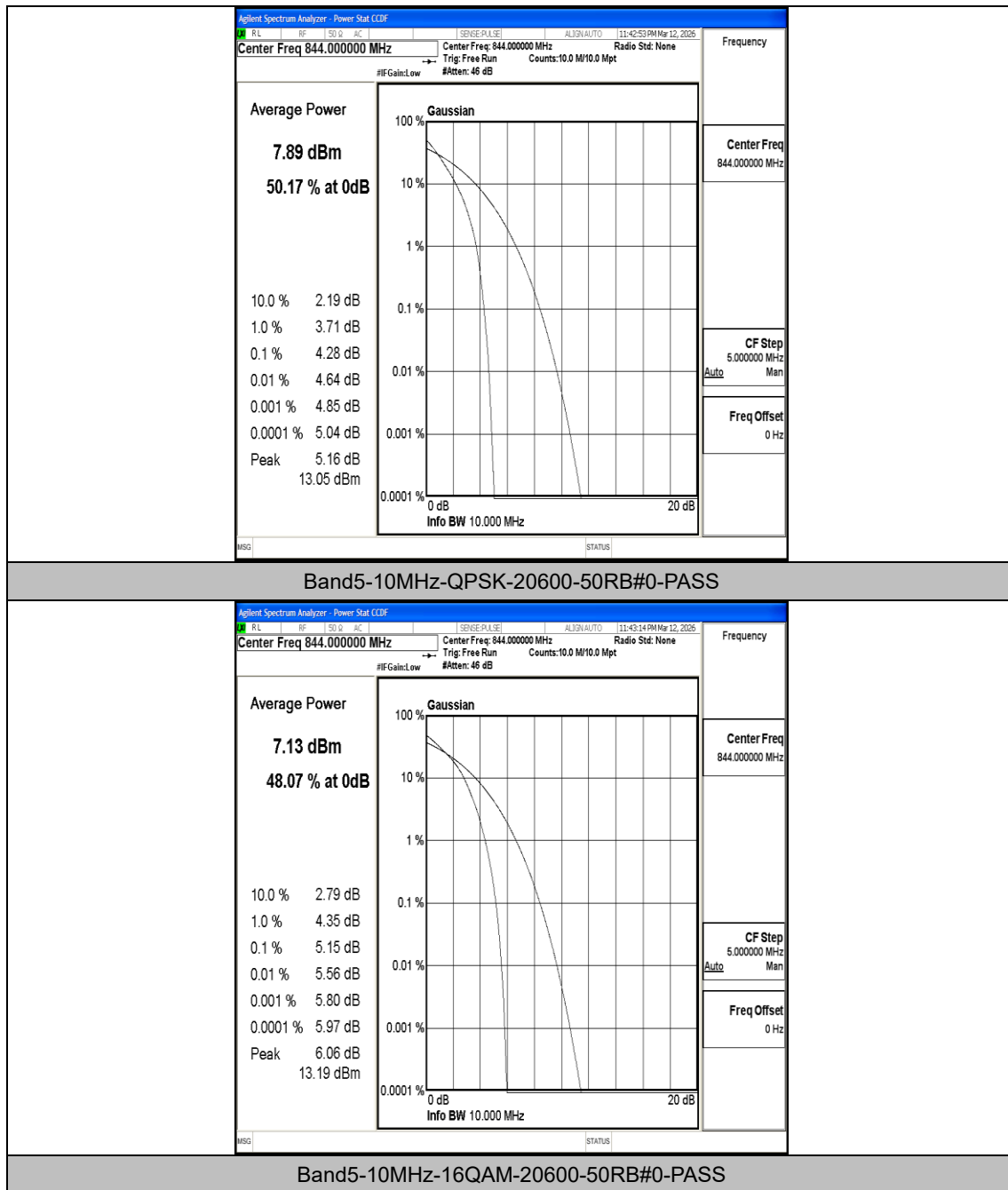










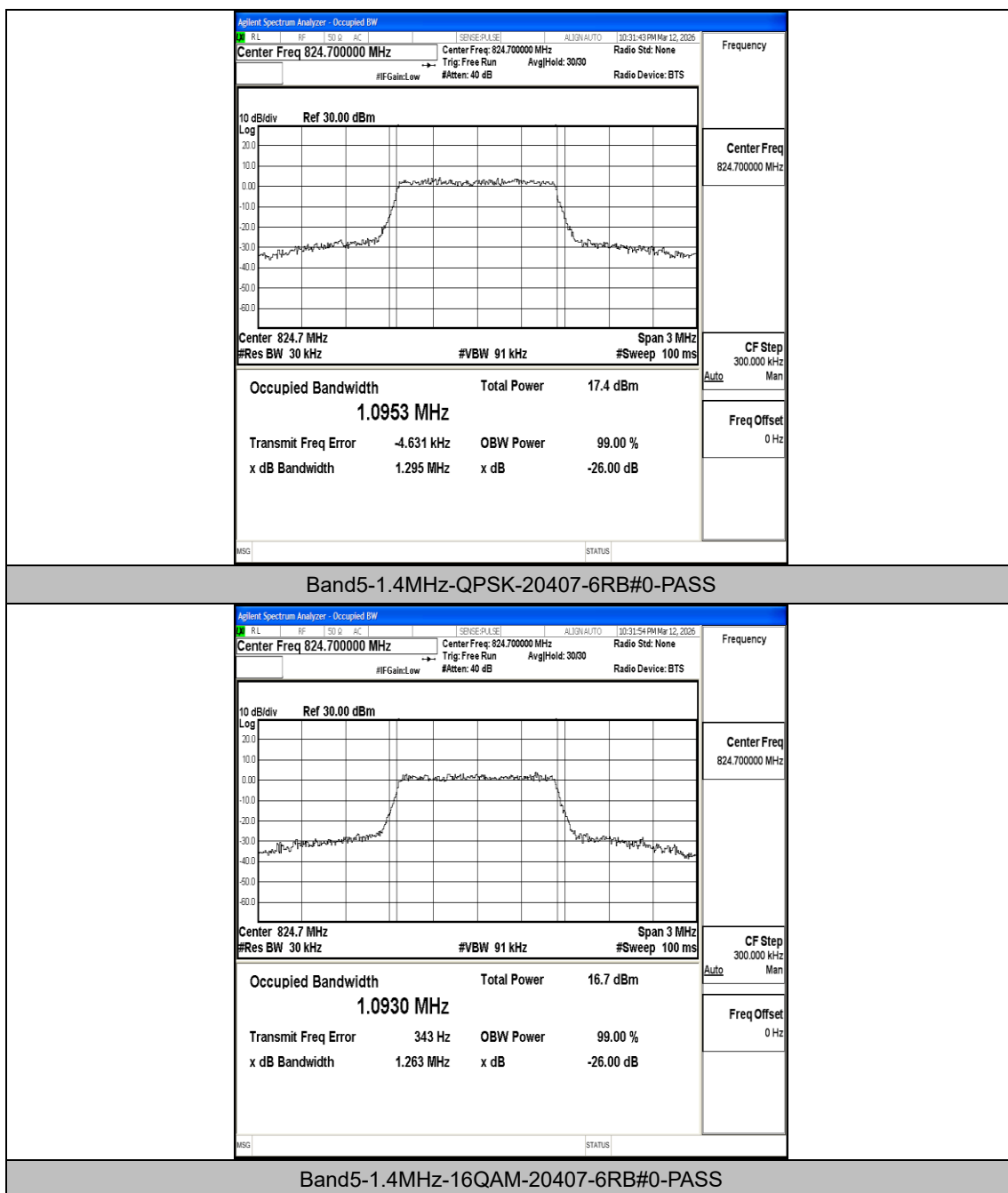


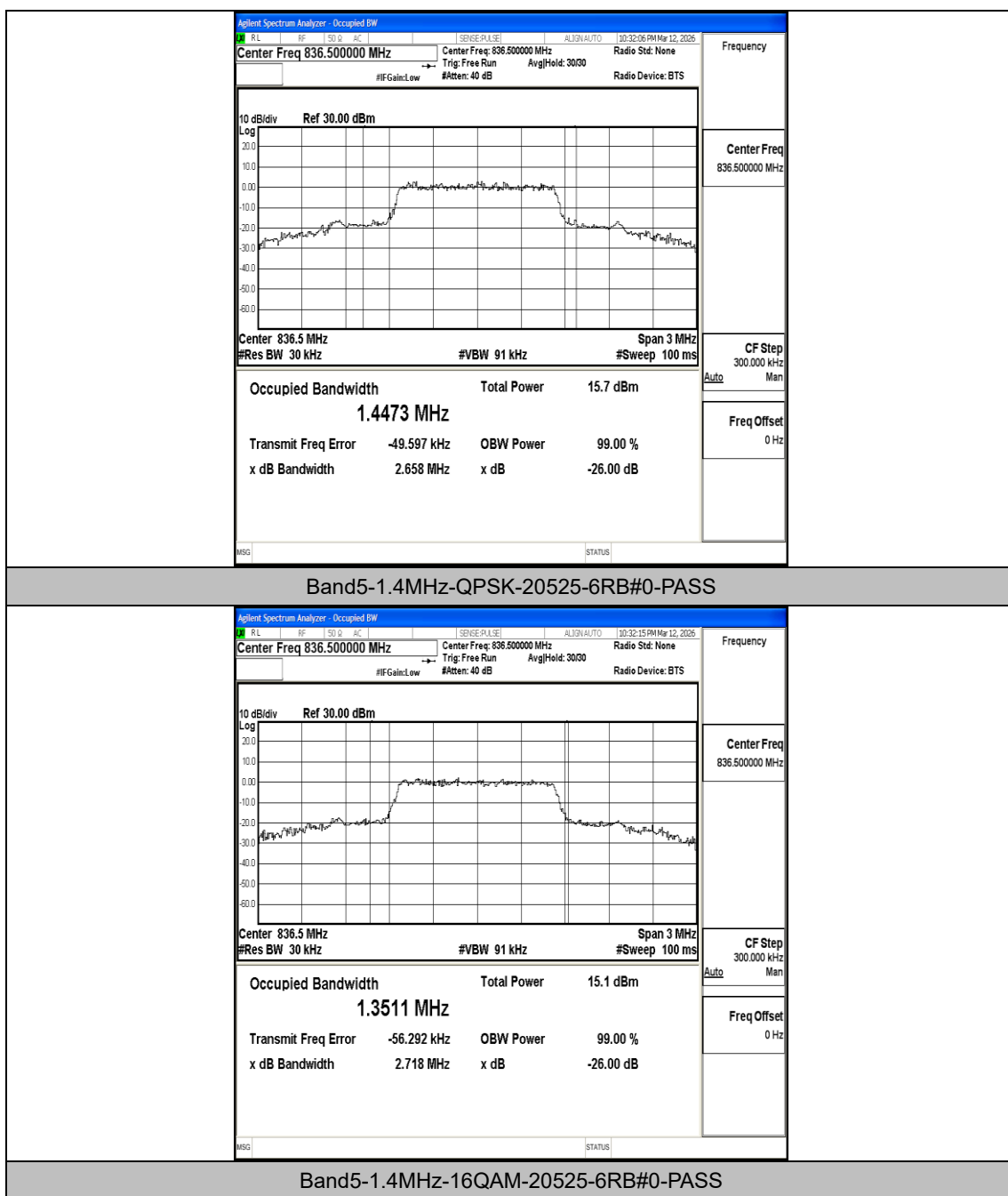
B 26dB Bandwidth and Occupied Bandwidth

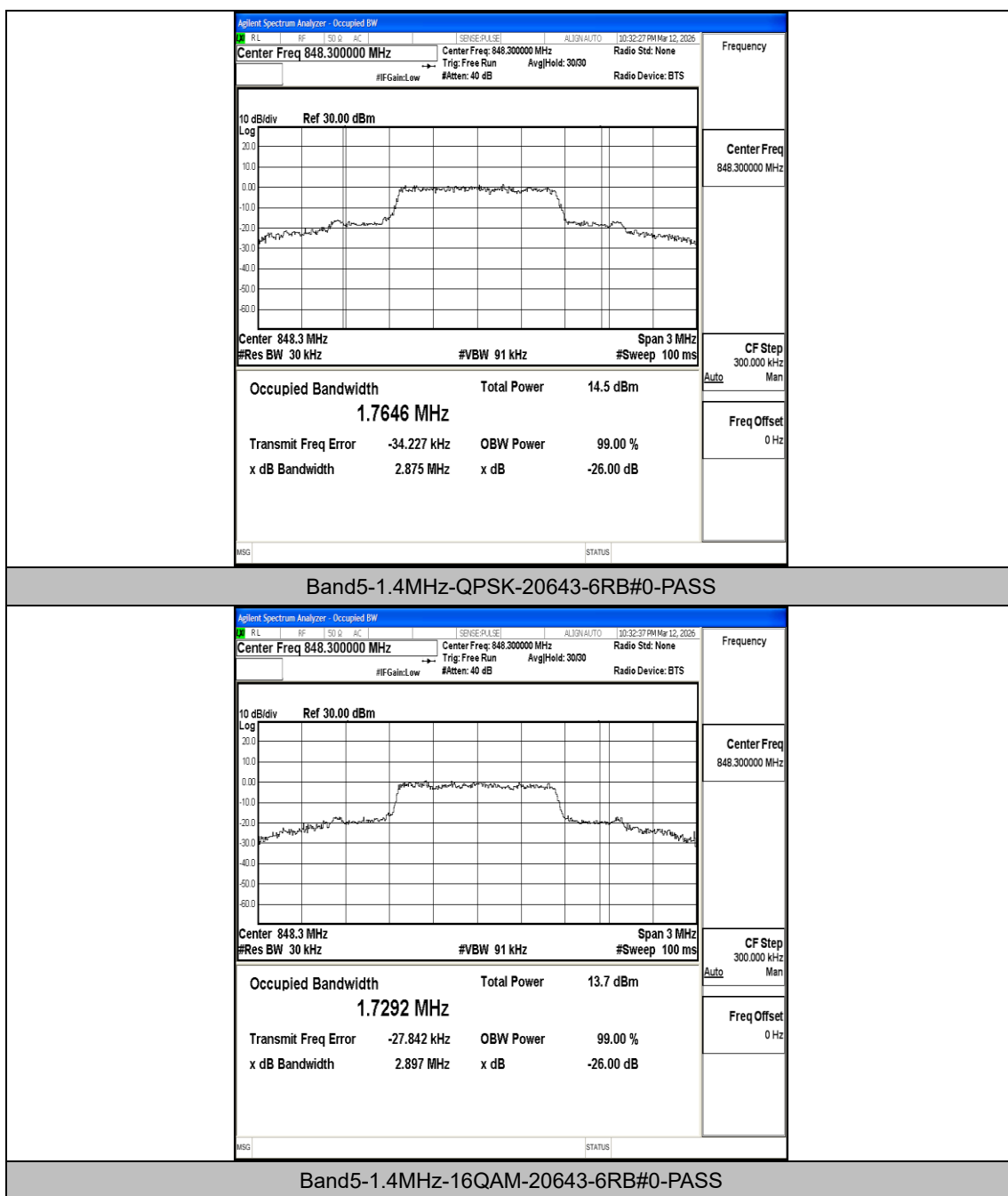
Test Result

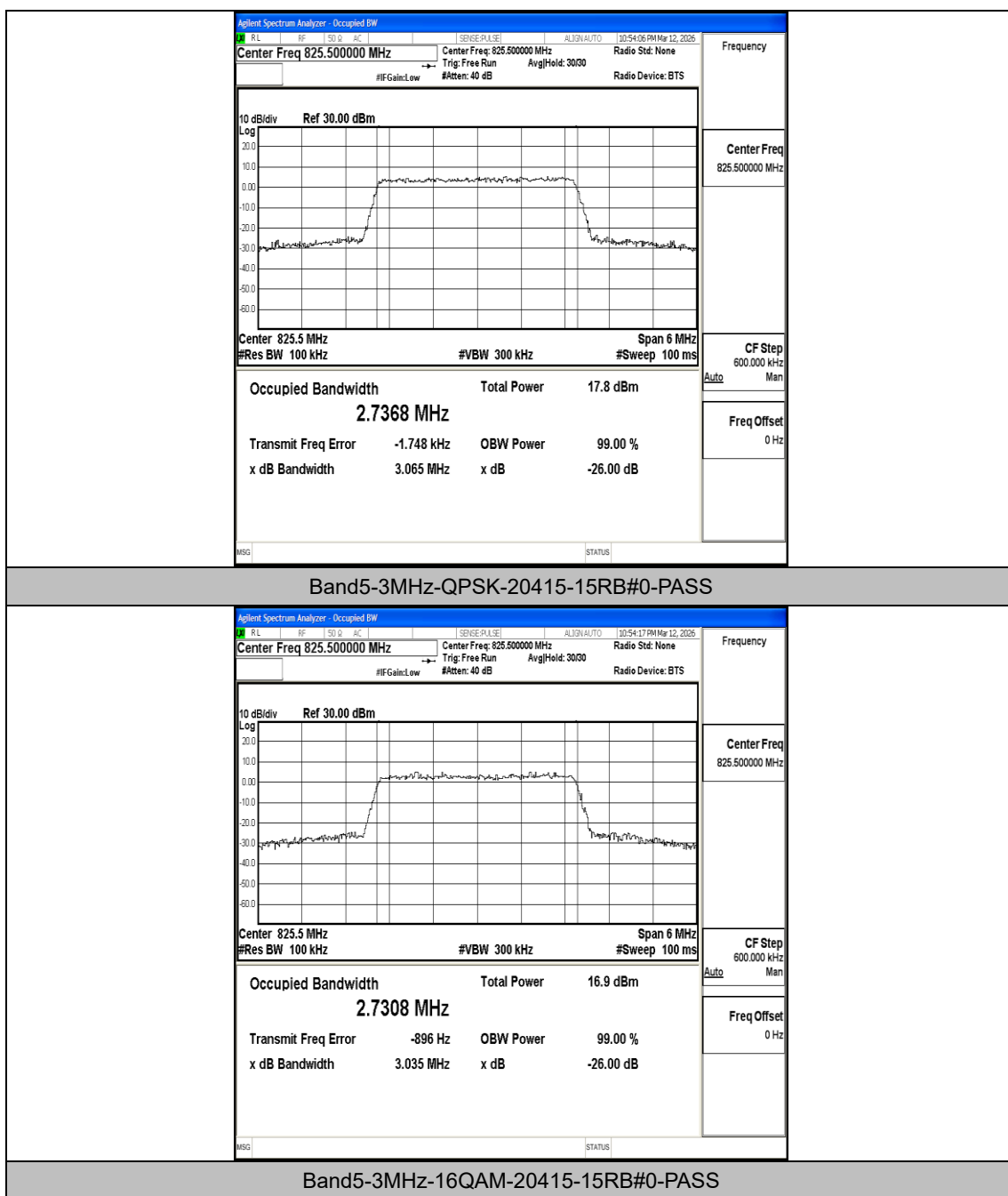
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0953	1.295	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0930	1.263	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.4473	2.658	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.3511	2.718	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.7646	2.875	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.7292	2.897	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7368	3.065	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7308	3.035	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.9386	5.922	PASS
Band5	3MHz	16QAM	20525	15RB#0	3.0138	5.847	PASS
Band5	3MHz	QPSK	20635	15RB#0	3.3462	6.000	PASS
Band5	3MHz	16QAM	20635	15RB#0	3.4253	6.000	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5250	5.070	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5257	5.104	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.7205	9.364	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.8381	9.964	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.9239	9.901	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.7514	9.813	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0425	13.38	PASS
Band5	10MHz	16QAM	20450	50RB#0	9.0387	11.48	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.3617	16.39	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.2255	17.68	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.0408	13.49	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.0363	11.73	PASS

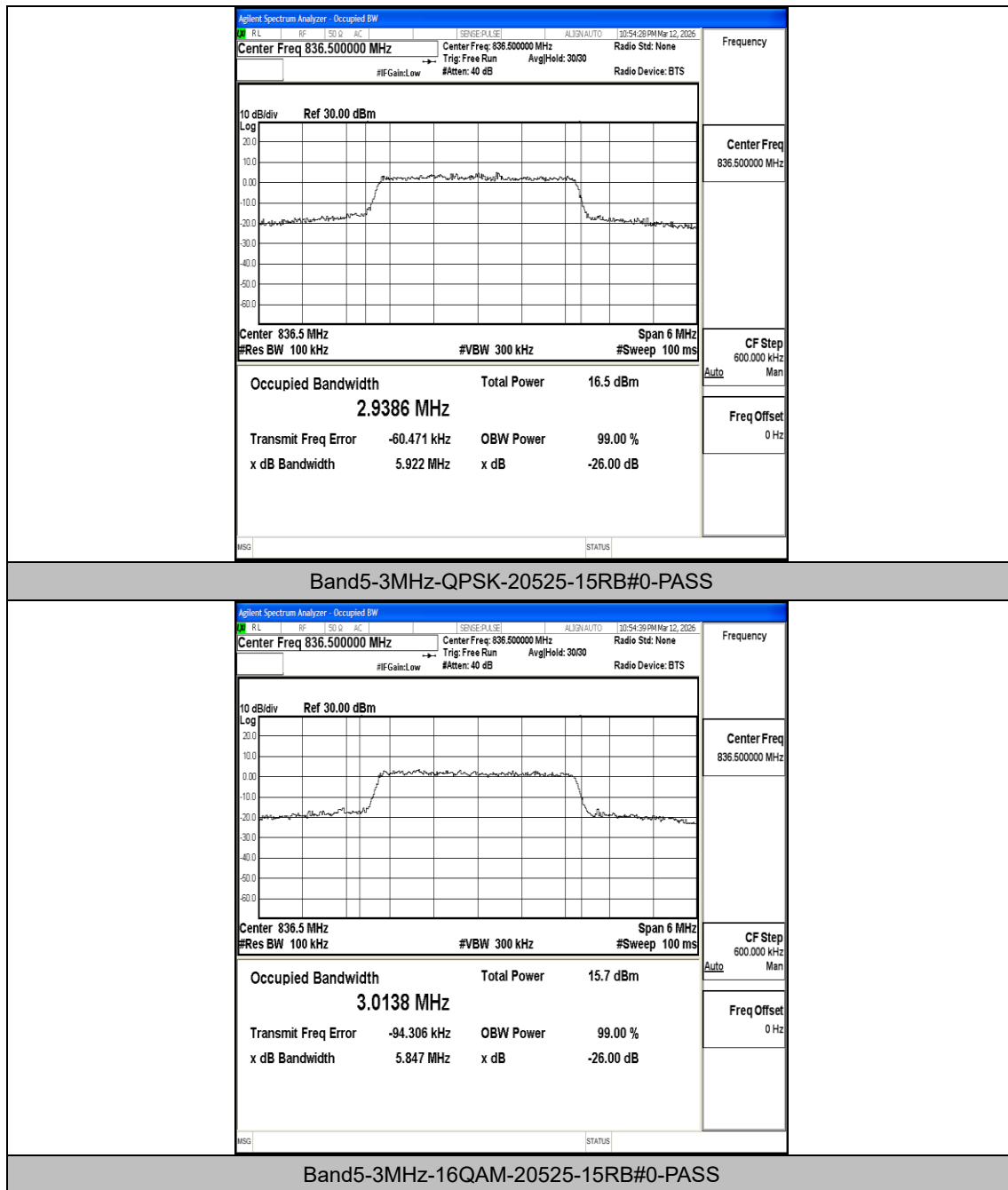
Test Graphs

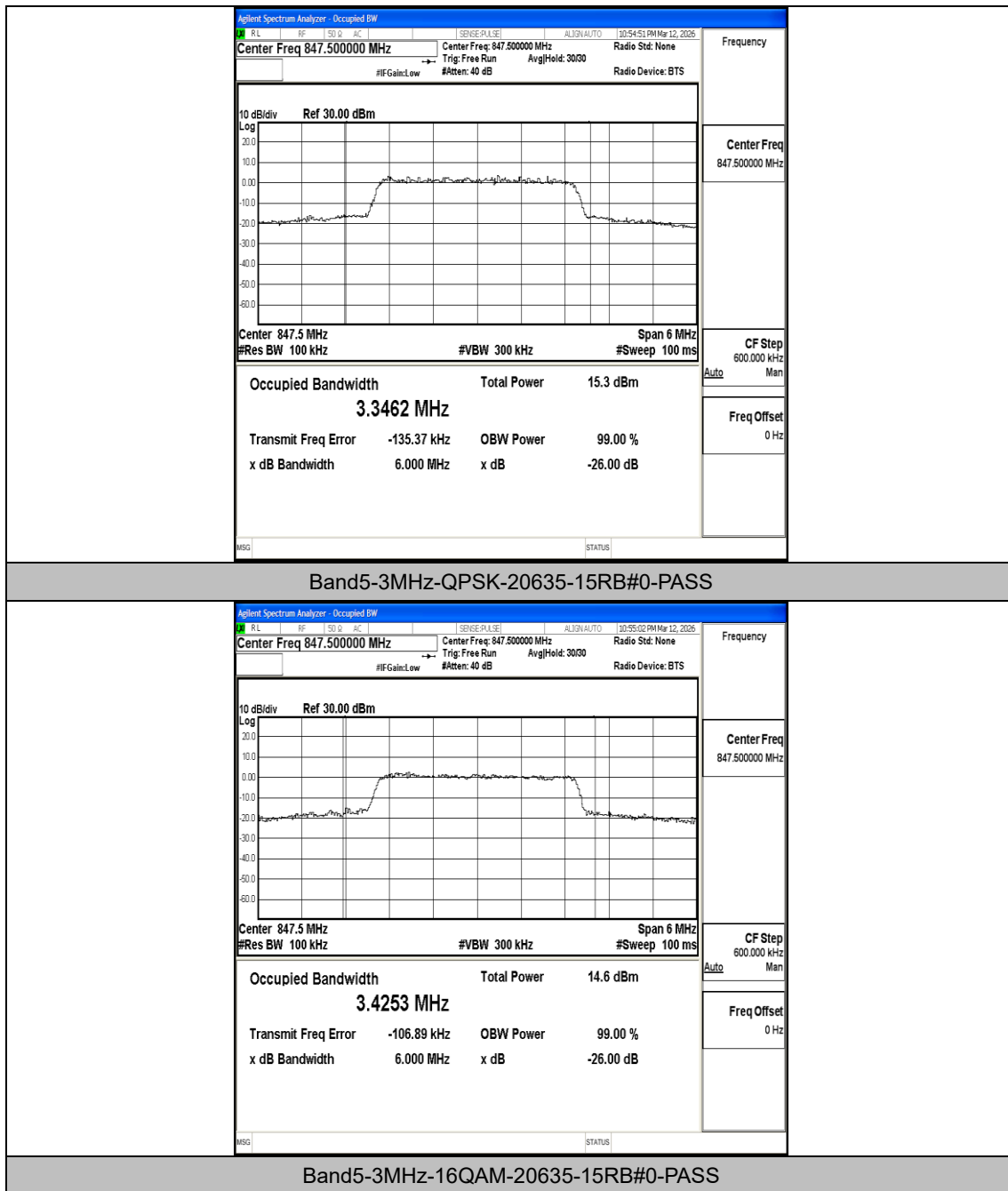


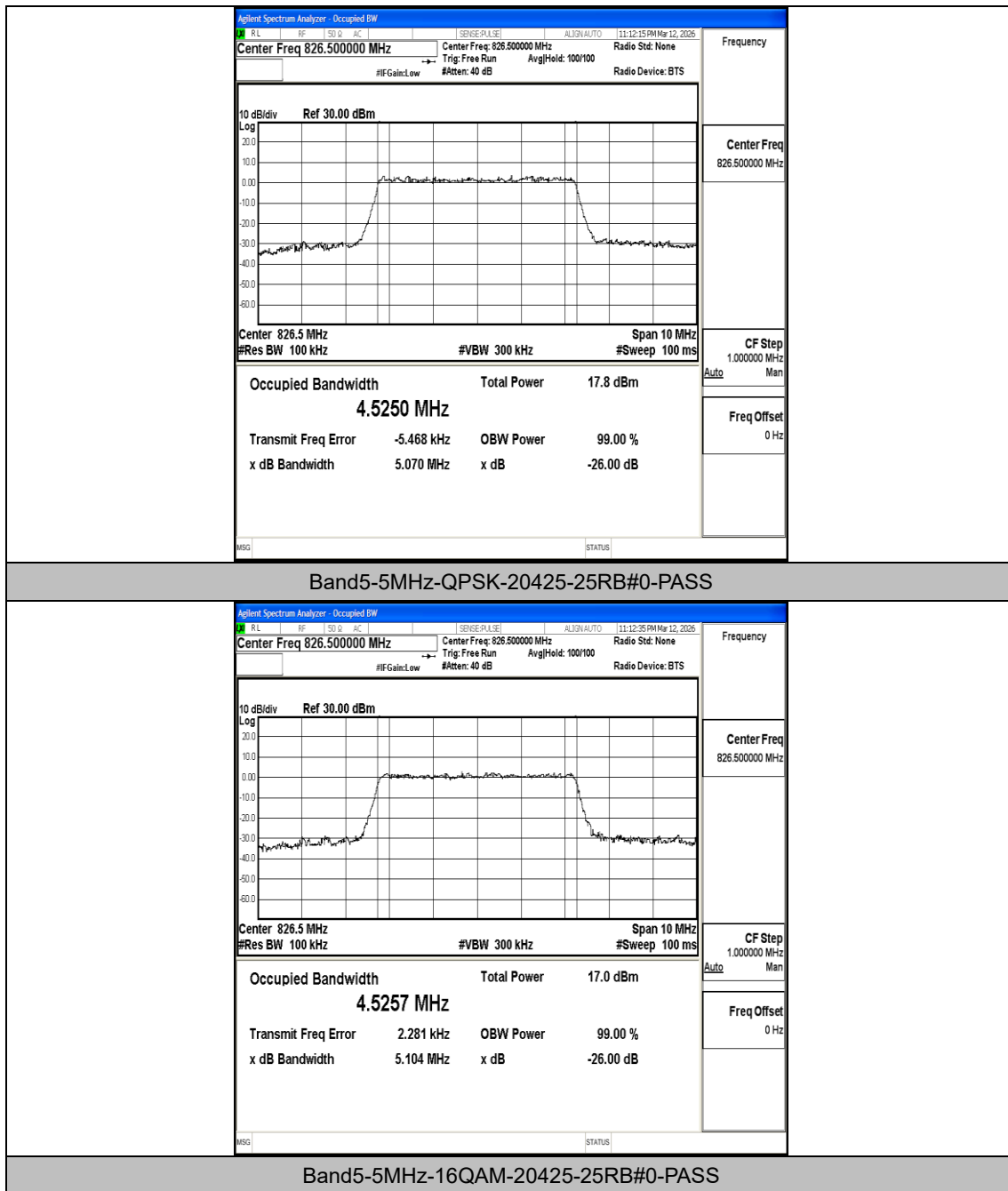


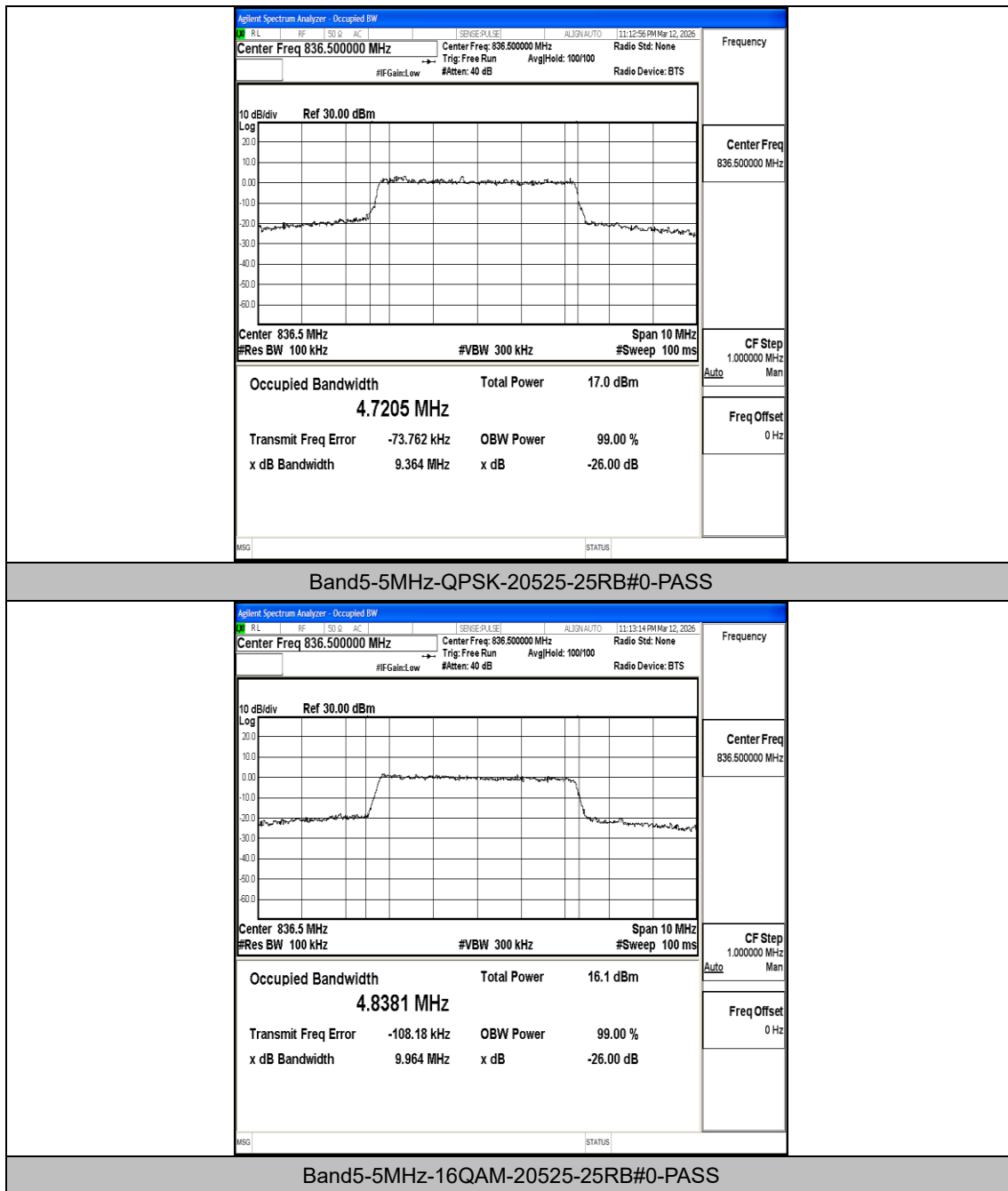


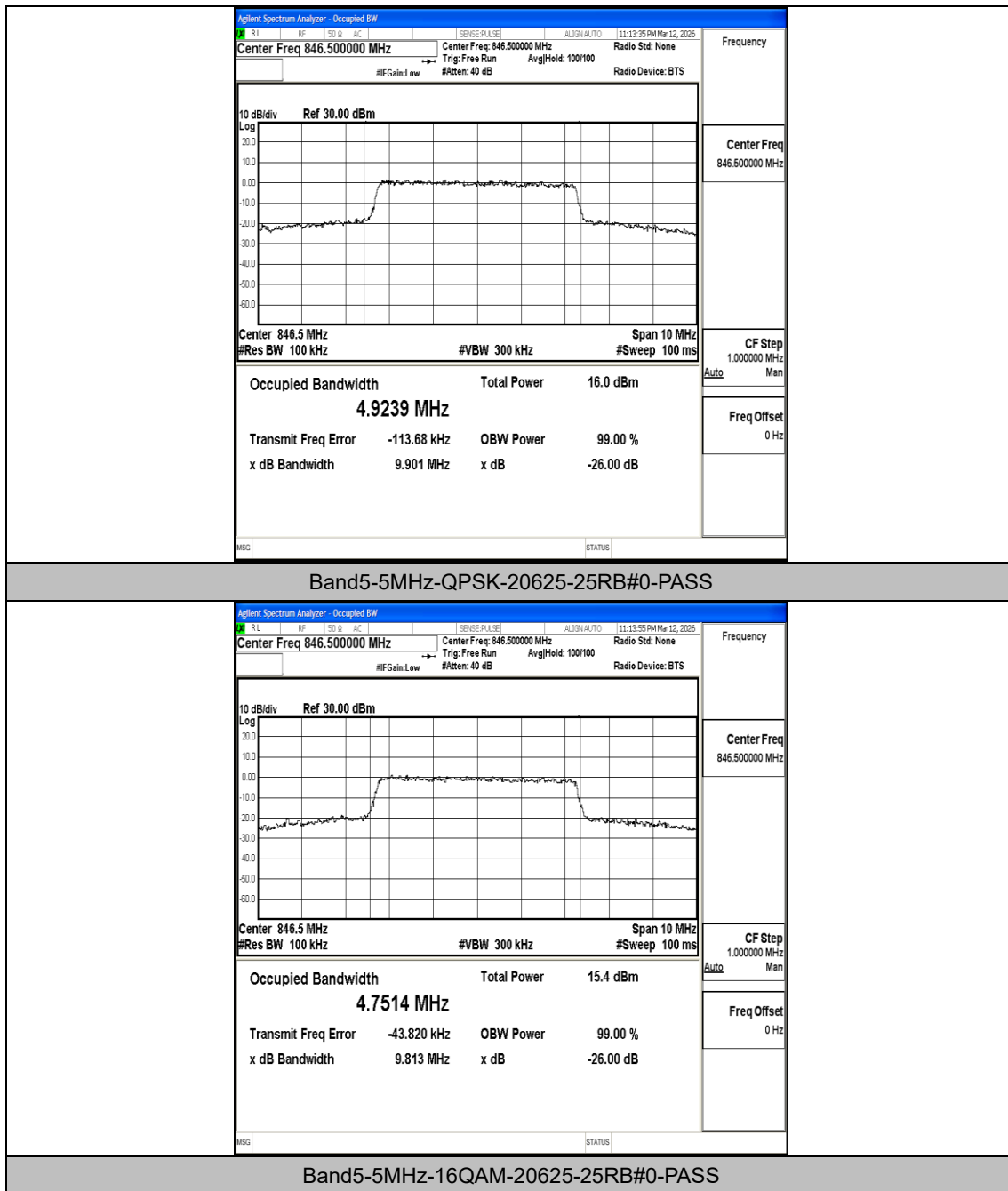


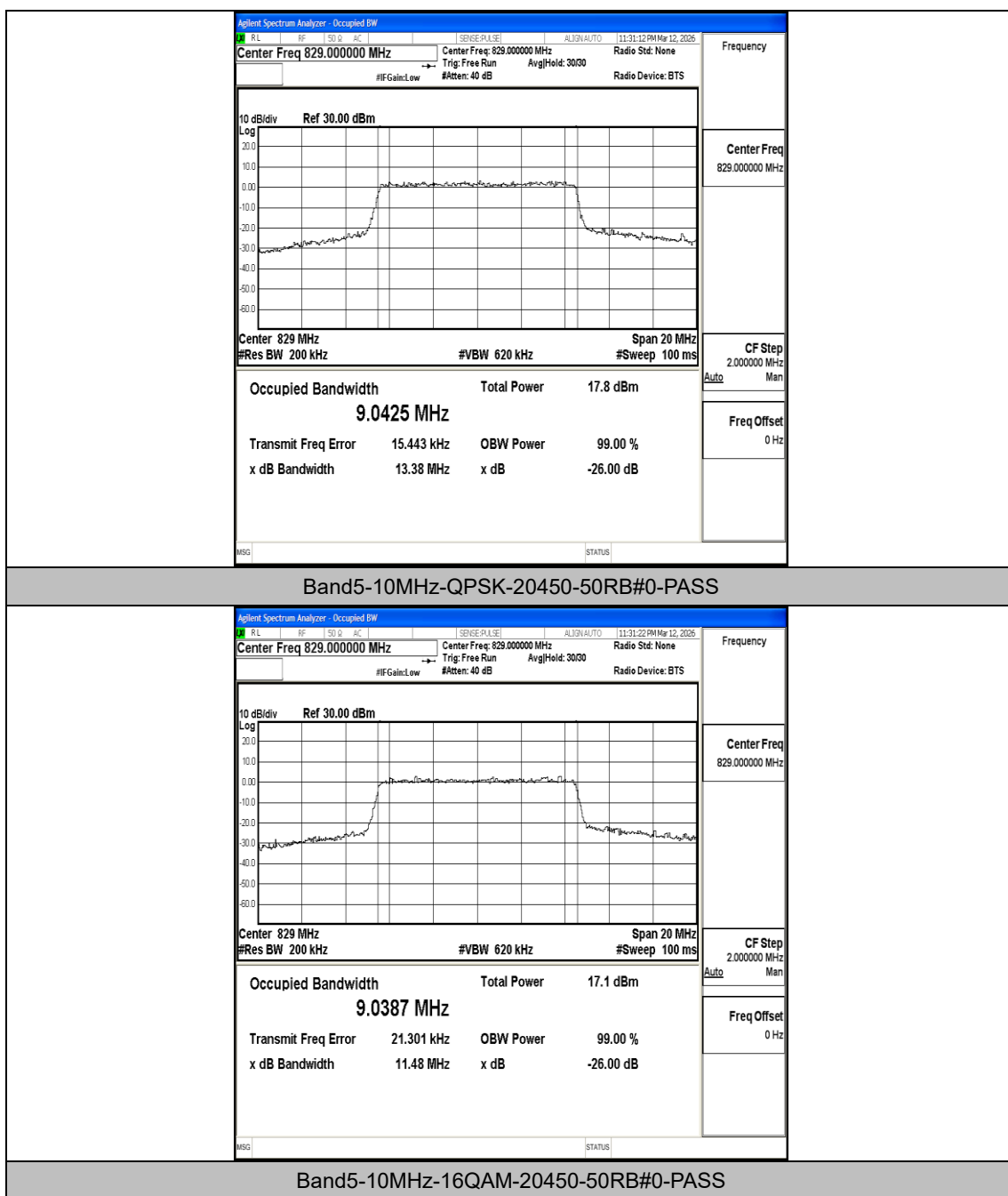


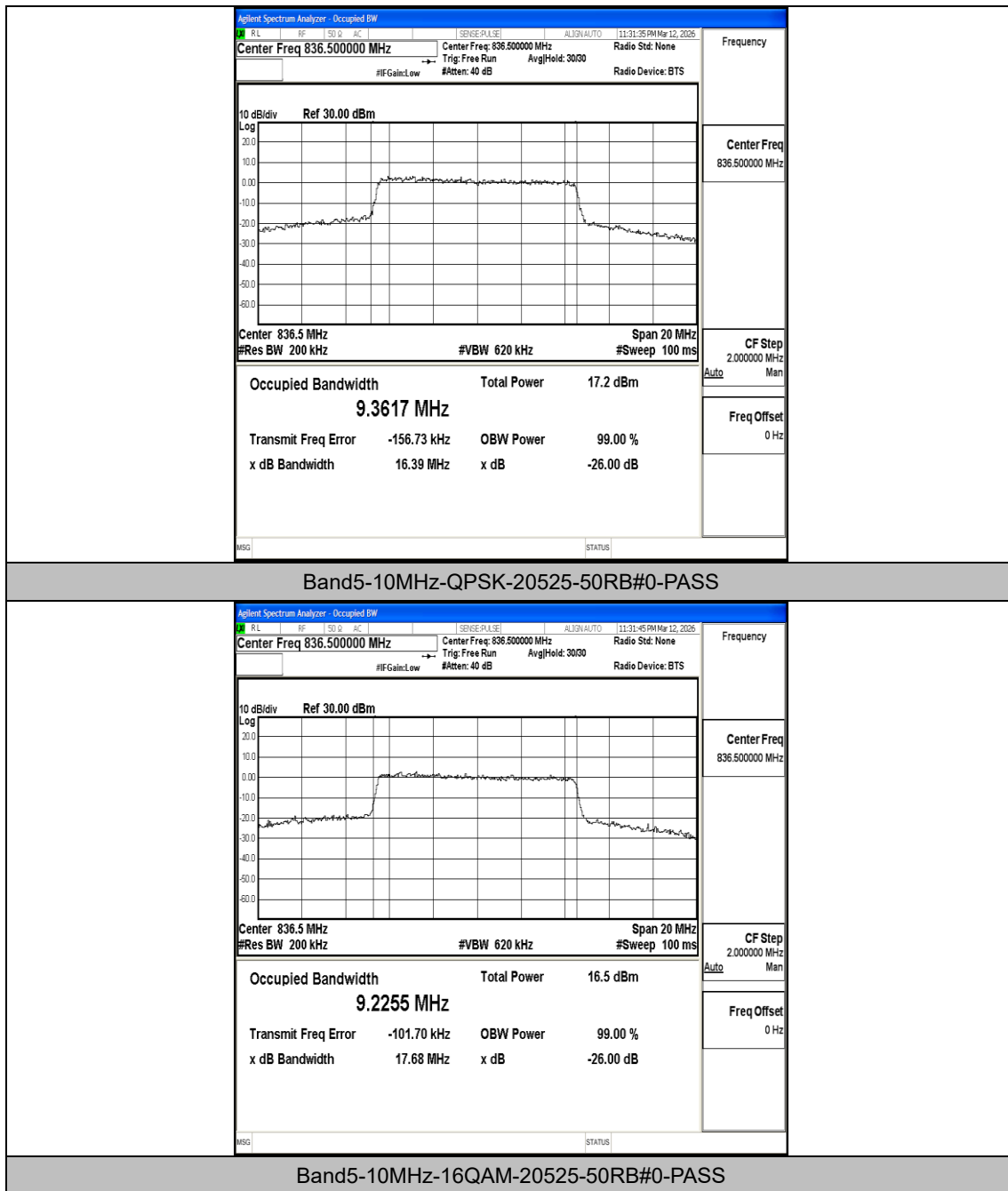


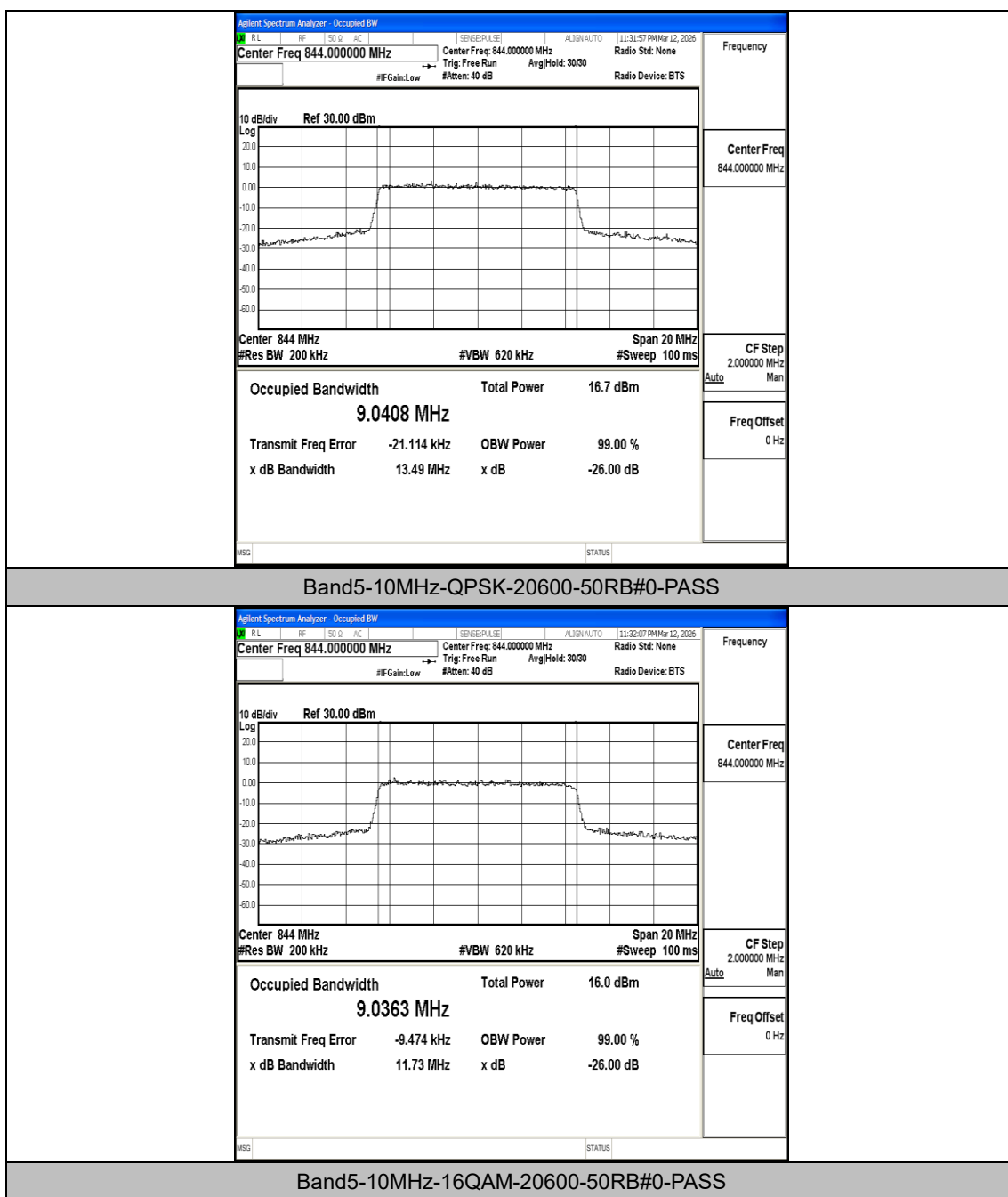










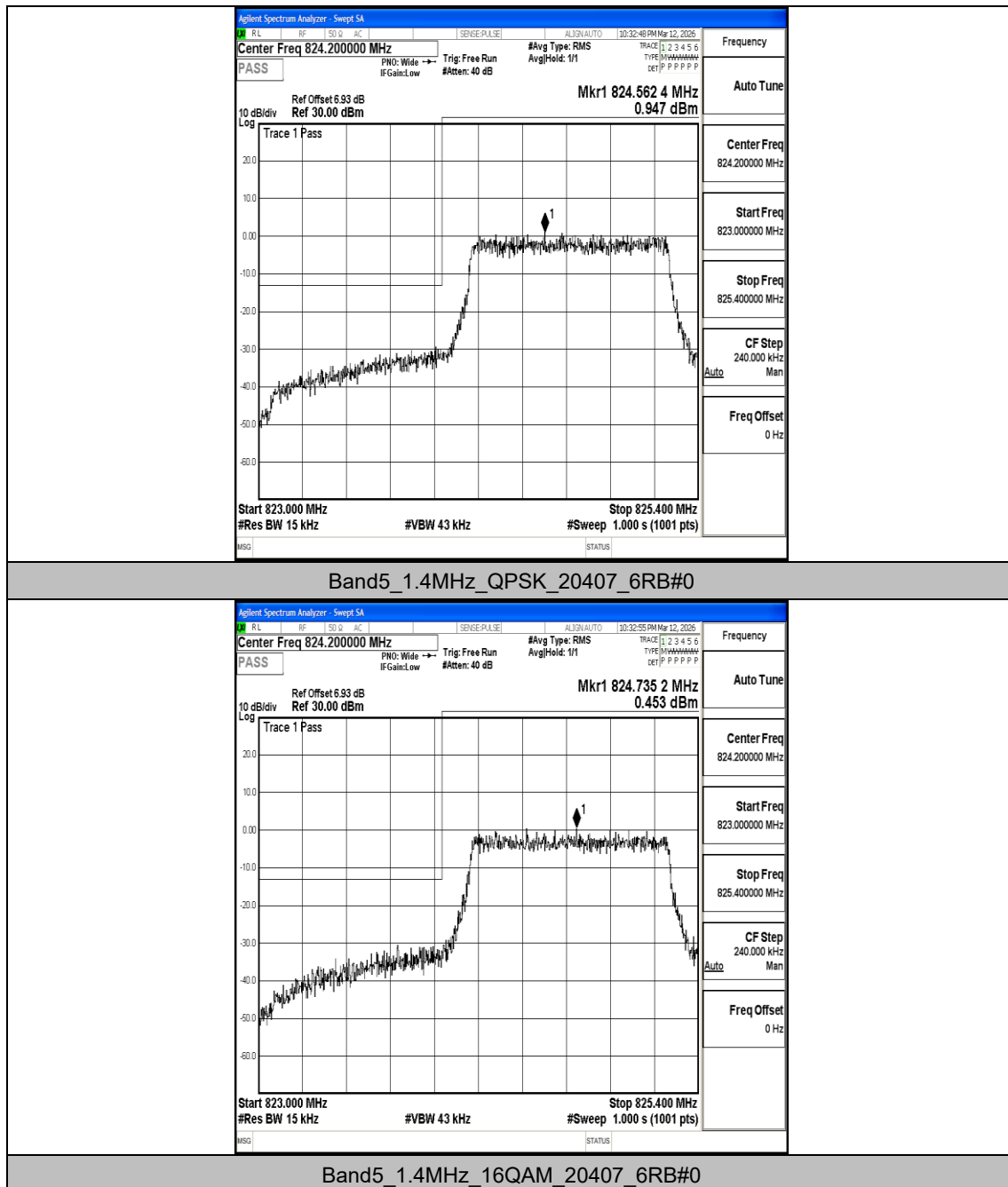


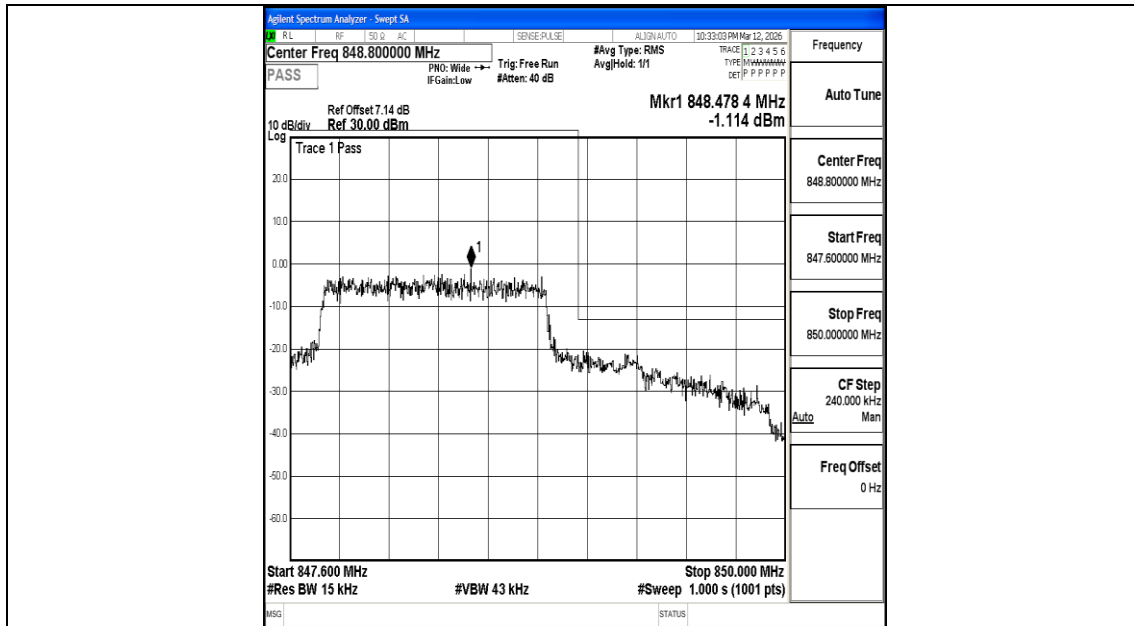
C Band Edge

Test Result

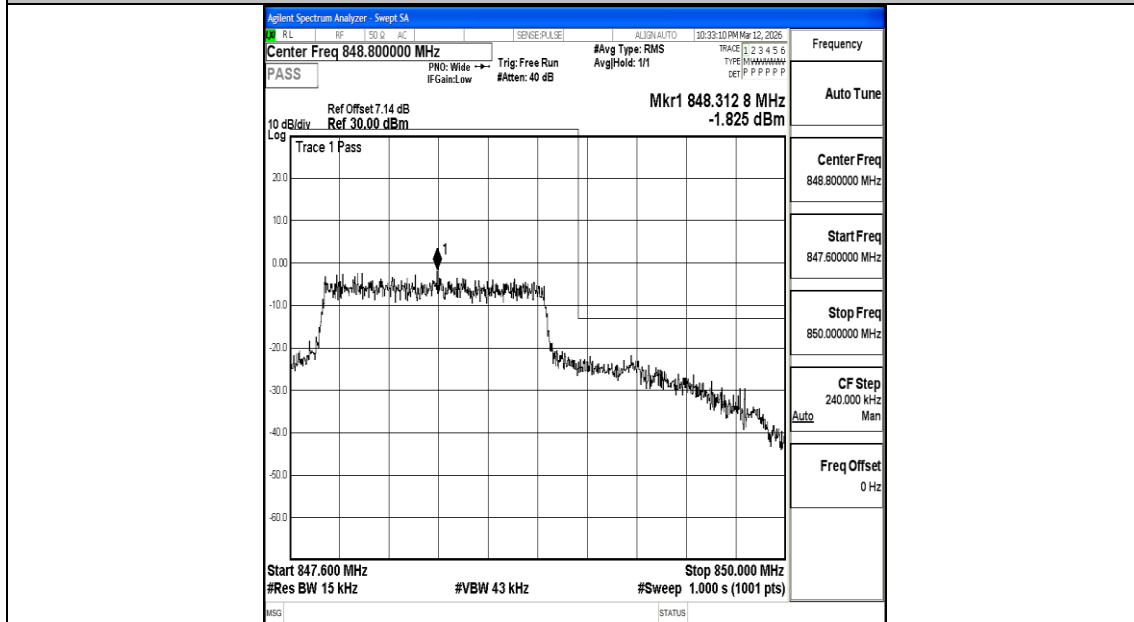
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frequency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.97	-29.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.76	-30.62	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.02	-20.41	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.25	-21.87	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-31.99	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.62	-32.33	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.42	-19.64	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.14	-21.81	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.98	-26.15	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.98	-27.78	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.36	-21.09	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.07	-21.50	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.78	-24.96	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.52	-27.16	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.01	-24.15	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.43	-25.00	PASS

Test Graphs

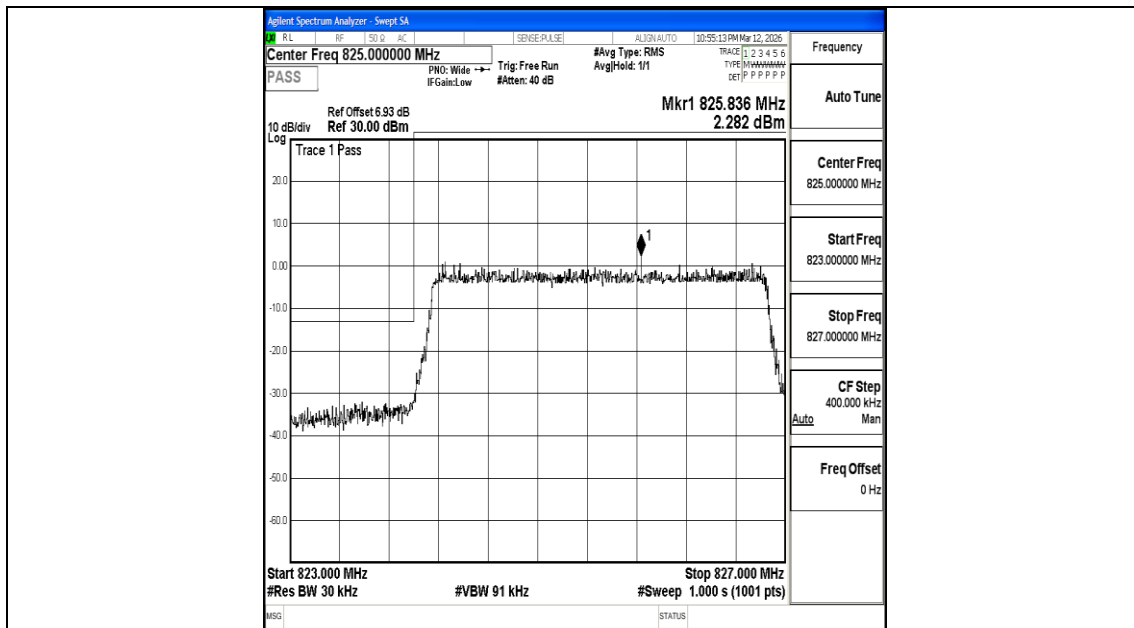




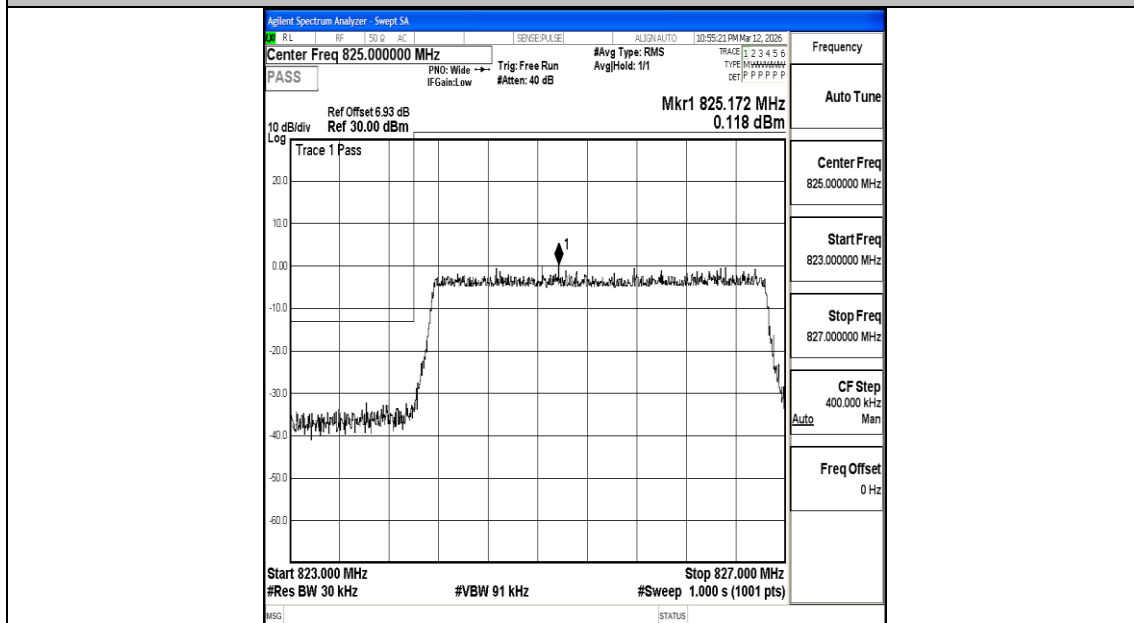
Band5_1.4MHz_QPSK_20643_6RB#0



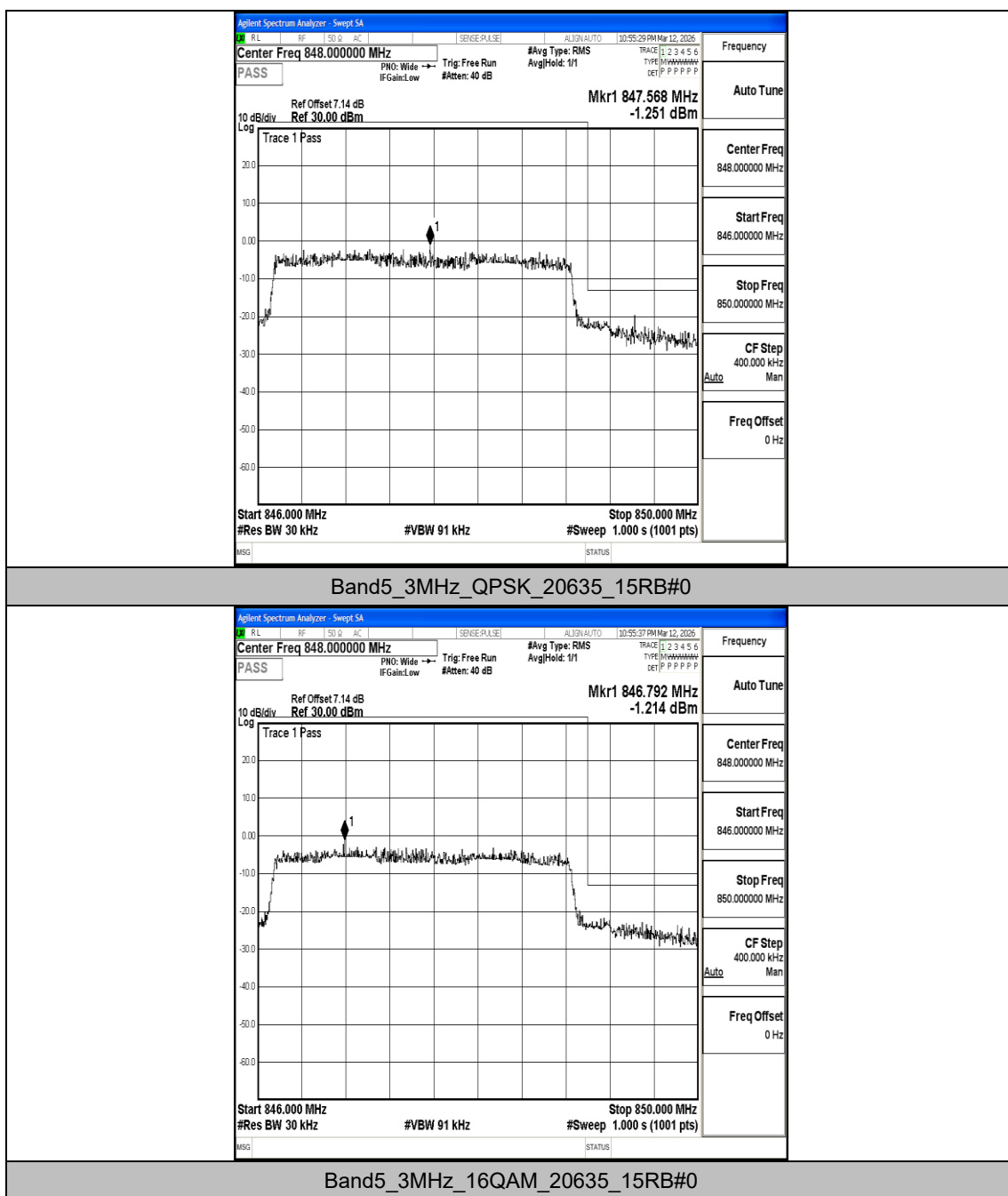
Band5_1.4MHz_16QAM_20643_6RB#0

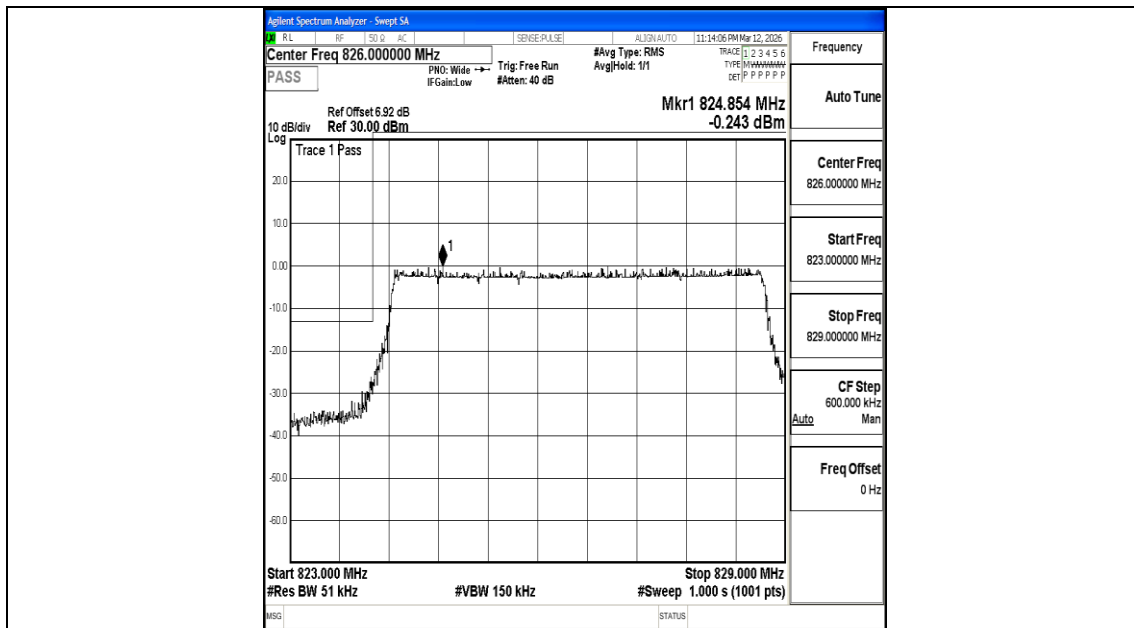


Band5_3MHz_QPSK_20415_15RB#0

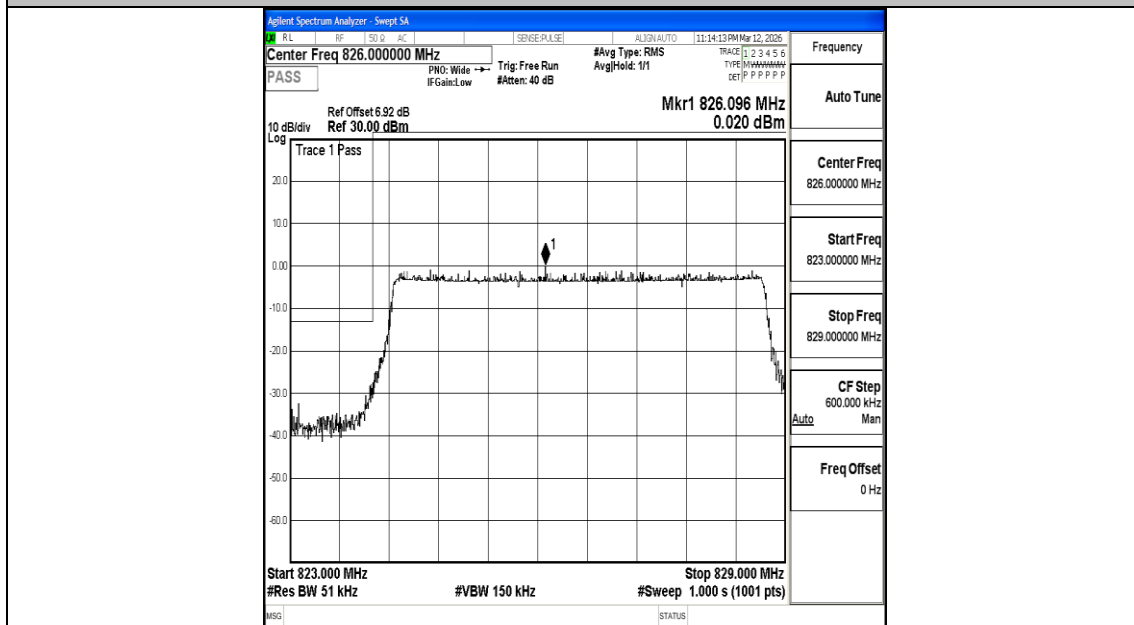


Band5_3MHz_16QAM_20415_15RB#0

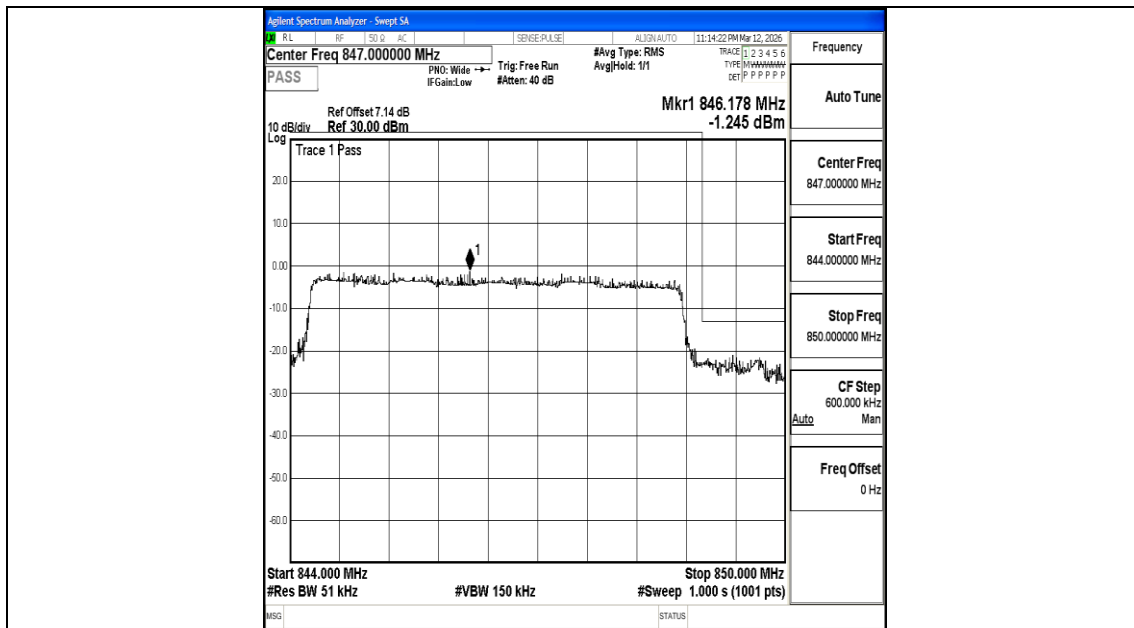




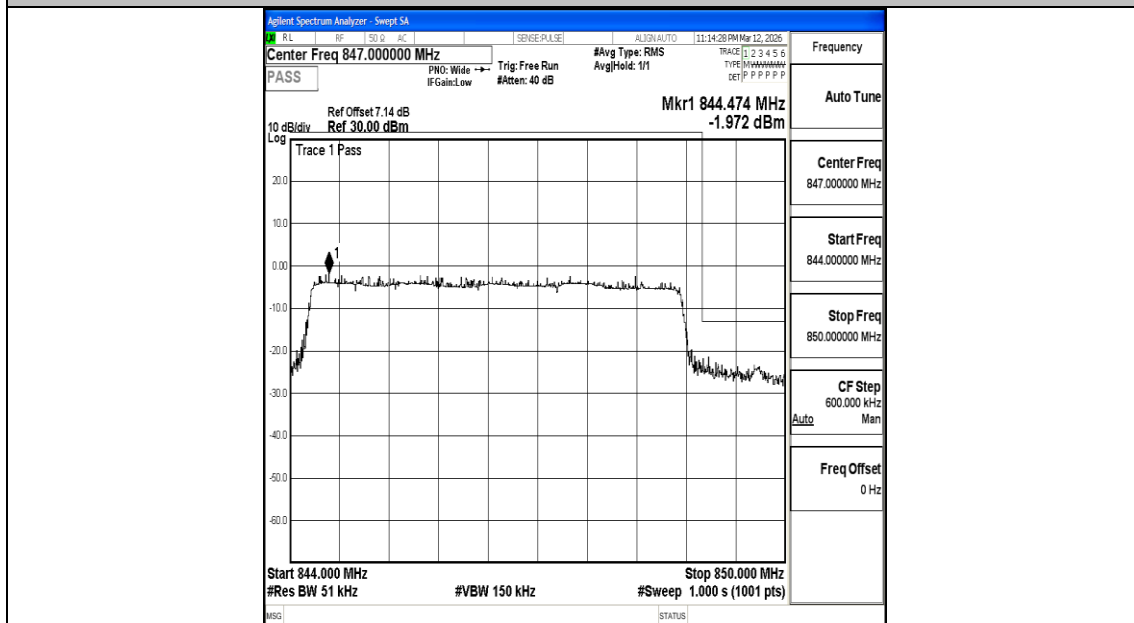
Band5_5MHz_QPSK_20425_25RB#0



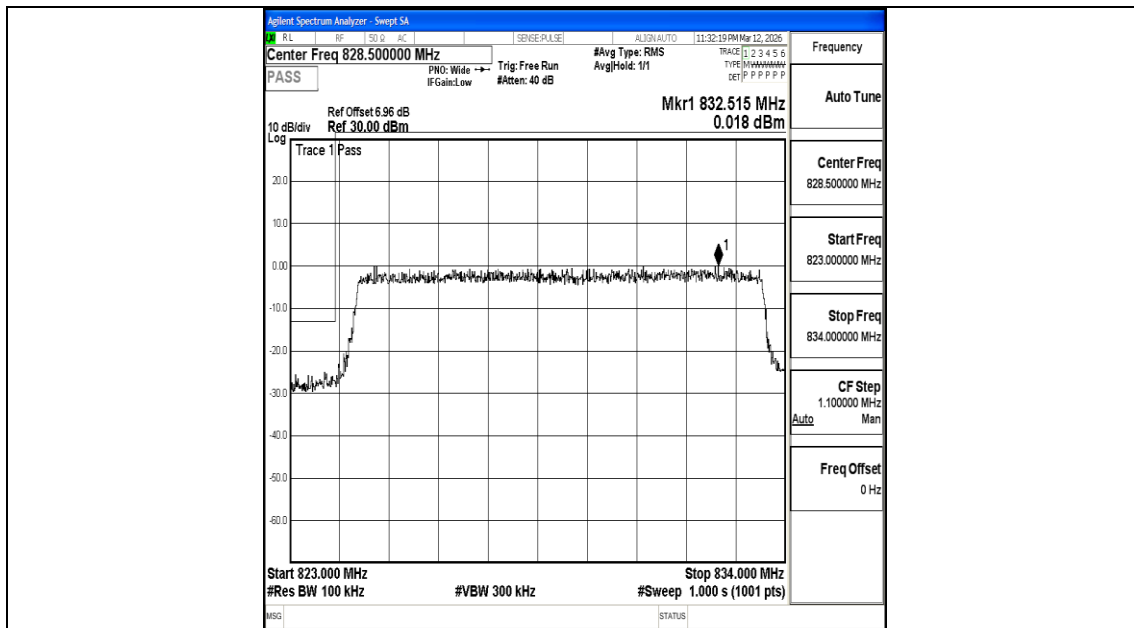
Band5_5MHz_16QAM_20425_25RB#0



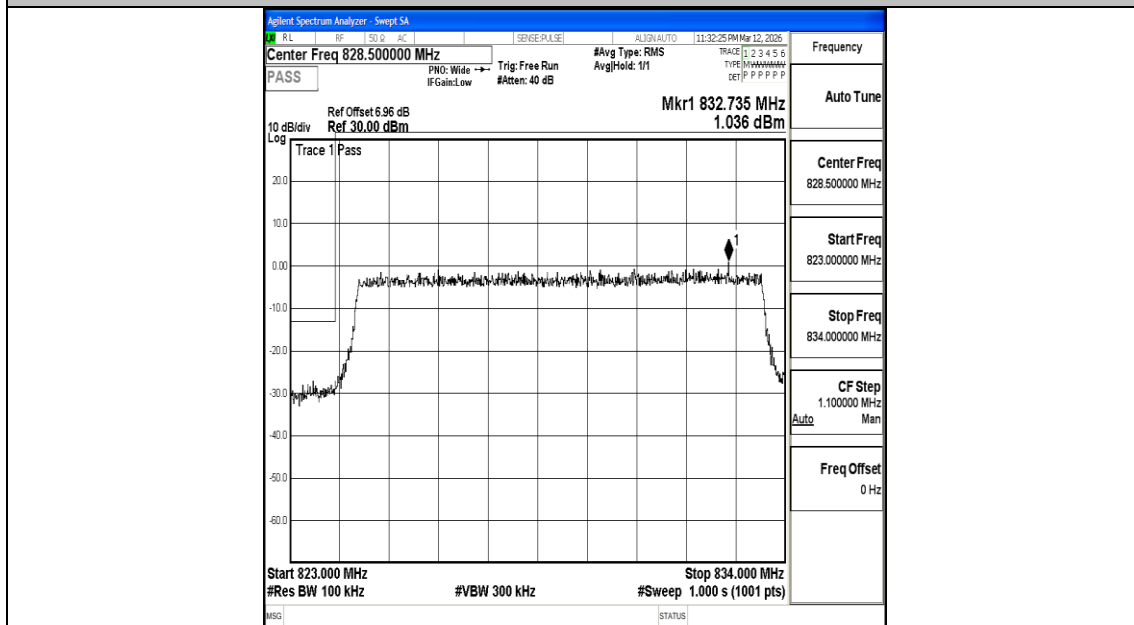
Band5_5MHz_QPSK_20625_25RB#0



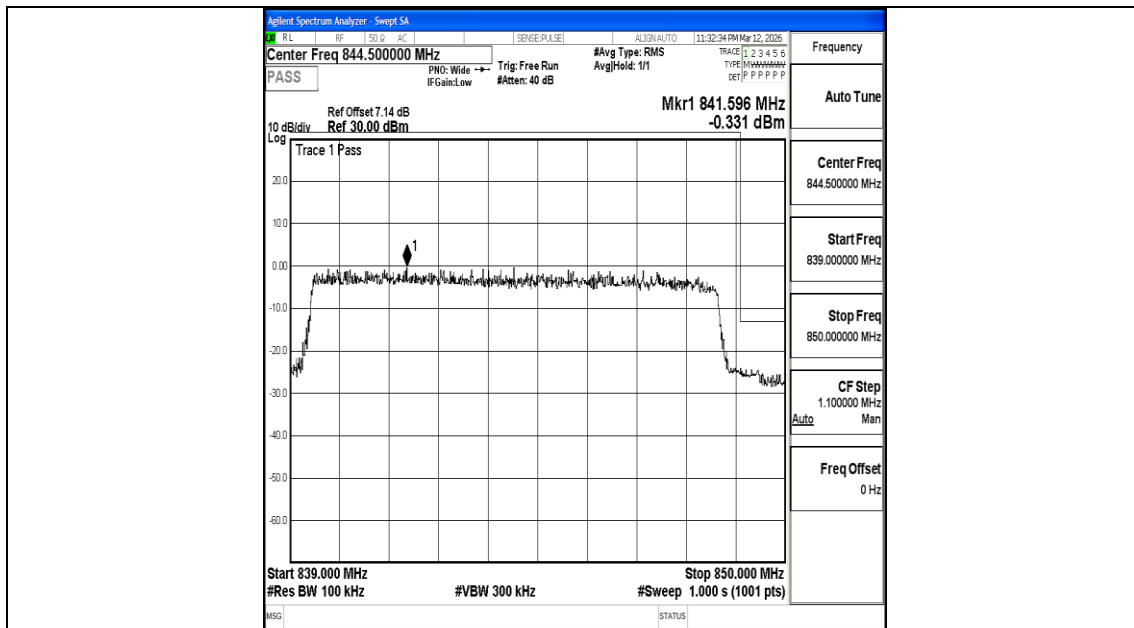
Band5_5MHz_16QAM_20625_25RB#0



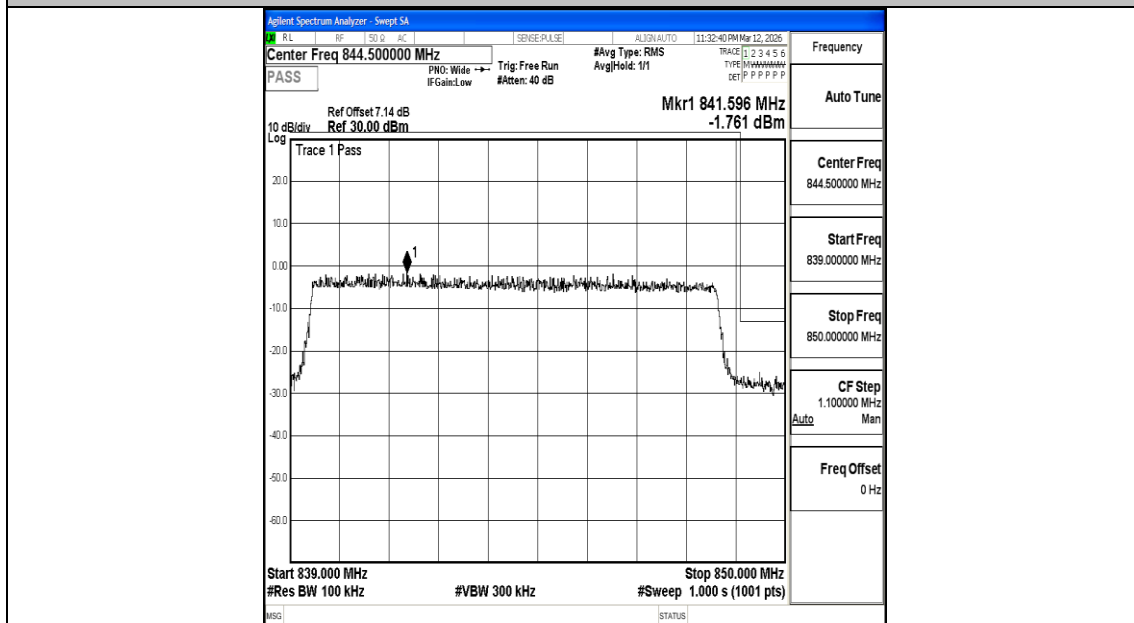
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

D Conducted Spurious Emission

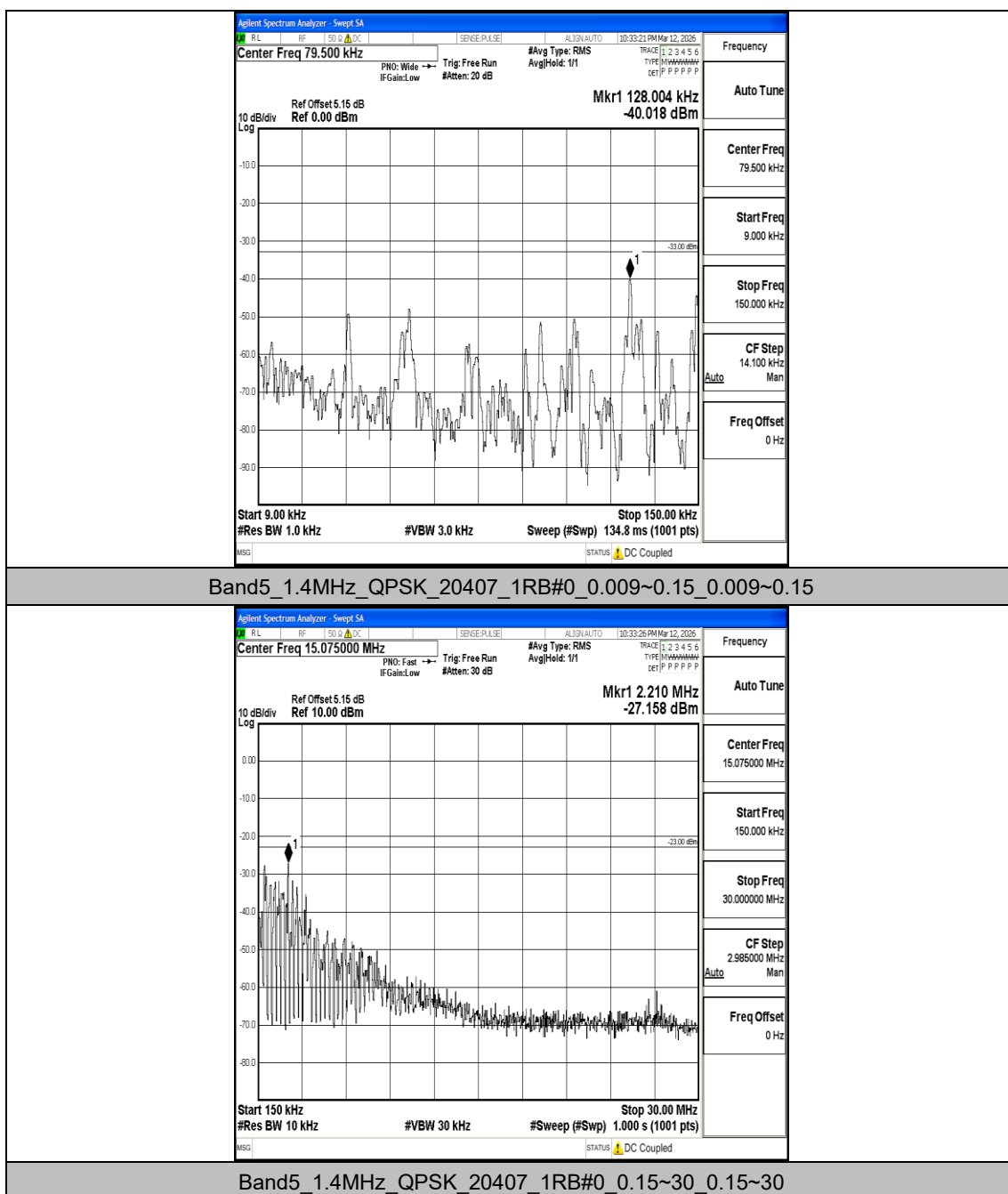
Test Result

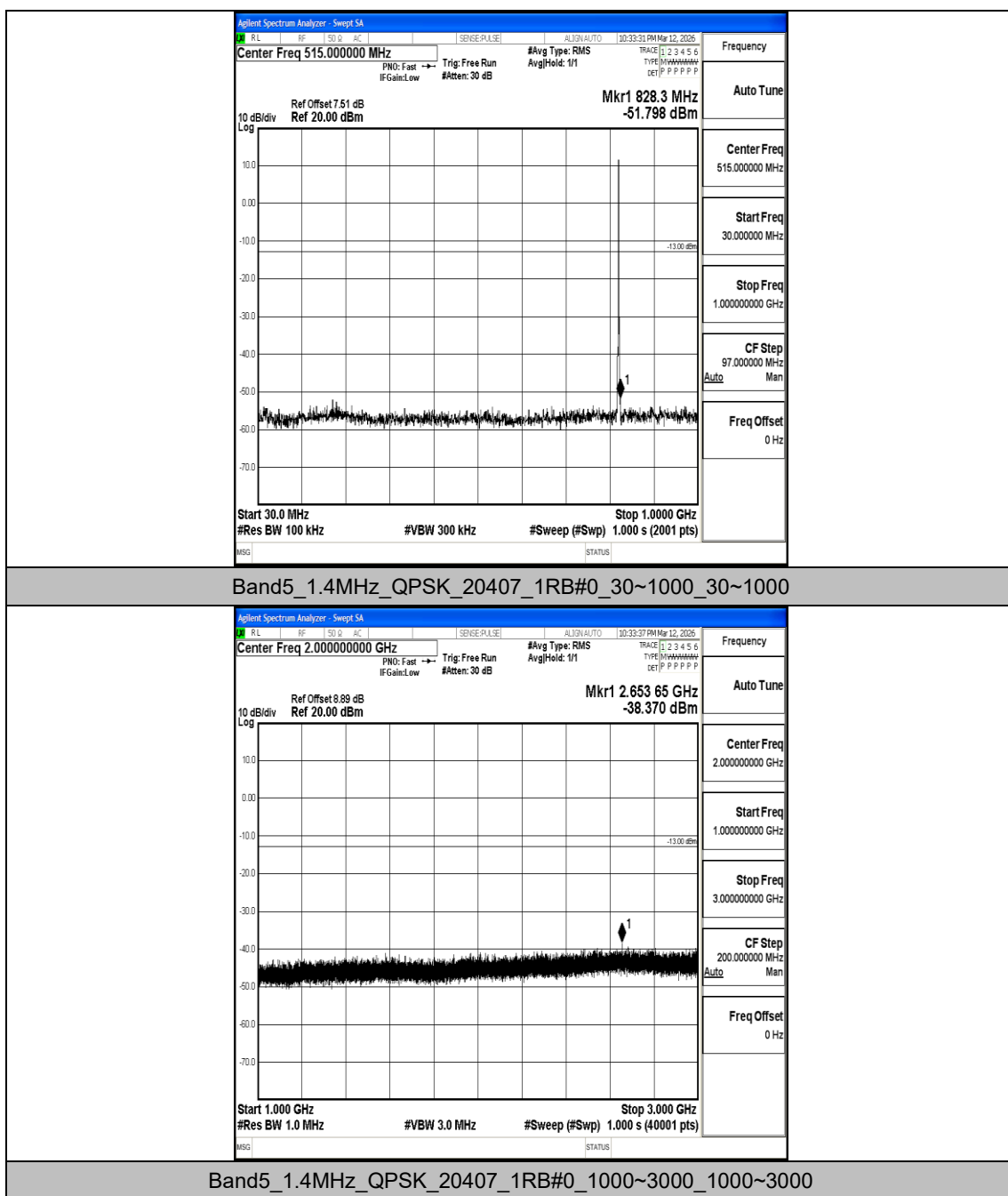
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-40.02	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-27.16	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-51.80	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-38.37	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-34.77	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-40.85	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-27.74	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-50.43	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-39.05	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-35.09	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-41.57	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-27.72	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-52.61	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-39.30	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-35.12	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-41.64	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-30.14	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-52.61	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-38.58	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-35.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-40.85	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-27.40	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-52.48	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-38.78	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-35.38	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-41.61	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-28.09	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-52.63	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-38.68	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-35.13	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-39.89	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-26.85	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-52.83	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-38.42	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-34.97	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-40.42	PASS

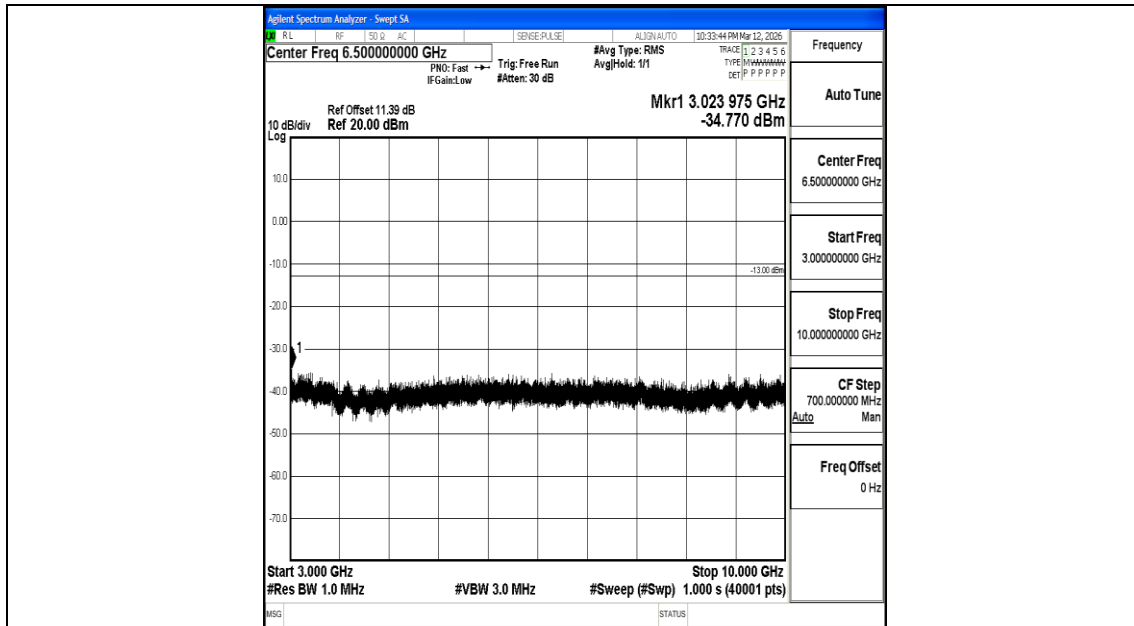
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-27.67	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-52.07	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-39.33	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-35.12	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-41.99	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-25.53	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-52.51	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-39.10	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-34.92	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-38.34	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-25.79	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-51.80	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-38.13	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-35.32	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-39.63	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-28.33	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-52.56	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-38.86	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-34.91	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-40.51	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-27.87	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-53.11	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-39.07	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-34.42	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-41.30	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-26.94	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-49.04	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-39.65	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-34.88	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-42.36	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-25.65	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-52.23	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-38.34	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-35.12	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-43.19	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-28.89	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-50.52	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-38.61	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-34.26	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-40.53	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-23.73	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-53.16	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-39.10	PASS

Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-35.61	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-41.08	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-27.05	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-52.28	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-38.87	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-34.98	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-47.09	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-27.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-52.25	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-39.49	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-35.41	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-57.51	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-44.61	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-53.09	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-39.72	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-35.59	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-58.23	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-45.96	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-52.93	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-38.52	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-34.82	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-57.40	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-42.99	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-52.95	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-29.46	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-35.41	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-58.68	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-46.05	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-53.61	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-27.62	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-35.55	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-58.78	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-43.29	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-52.93	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-27.36	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-35.99	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-54.83	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-44.09	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-52.69	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-26.82	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-35.42	PASS

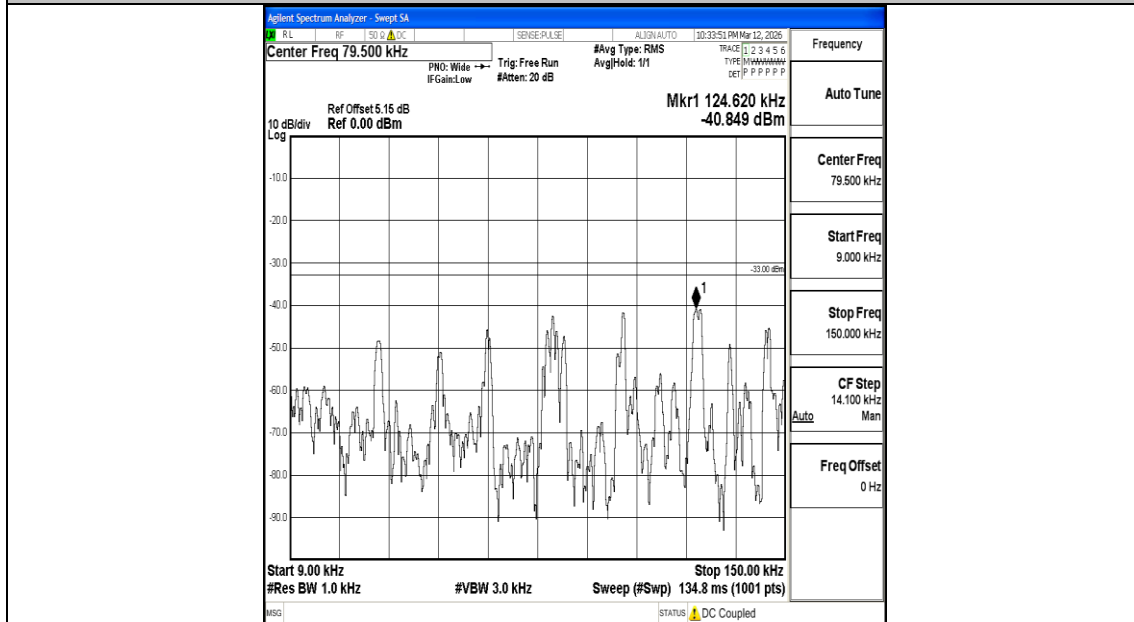
Test Graphs



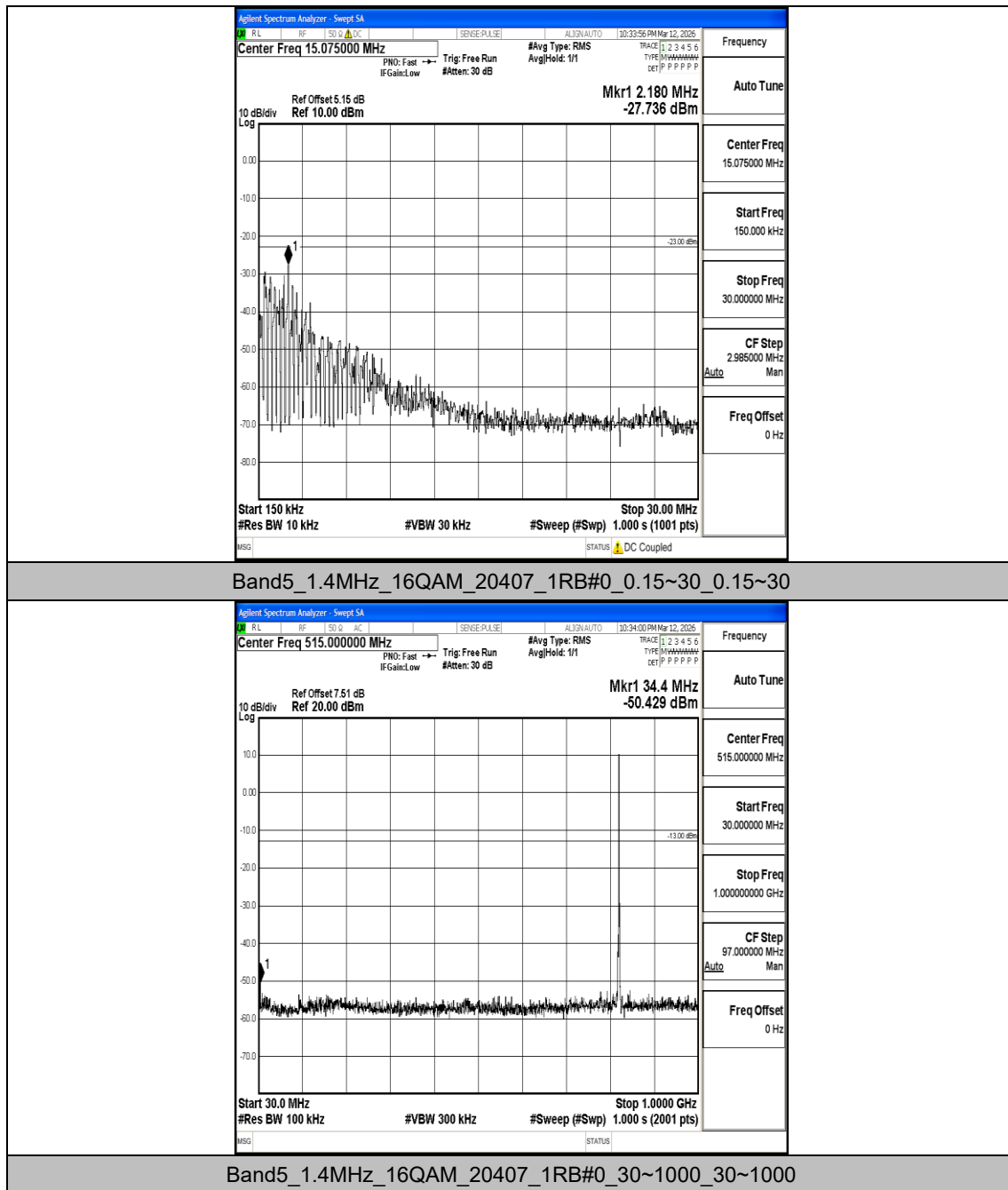


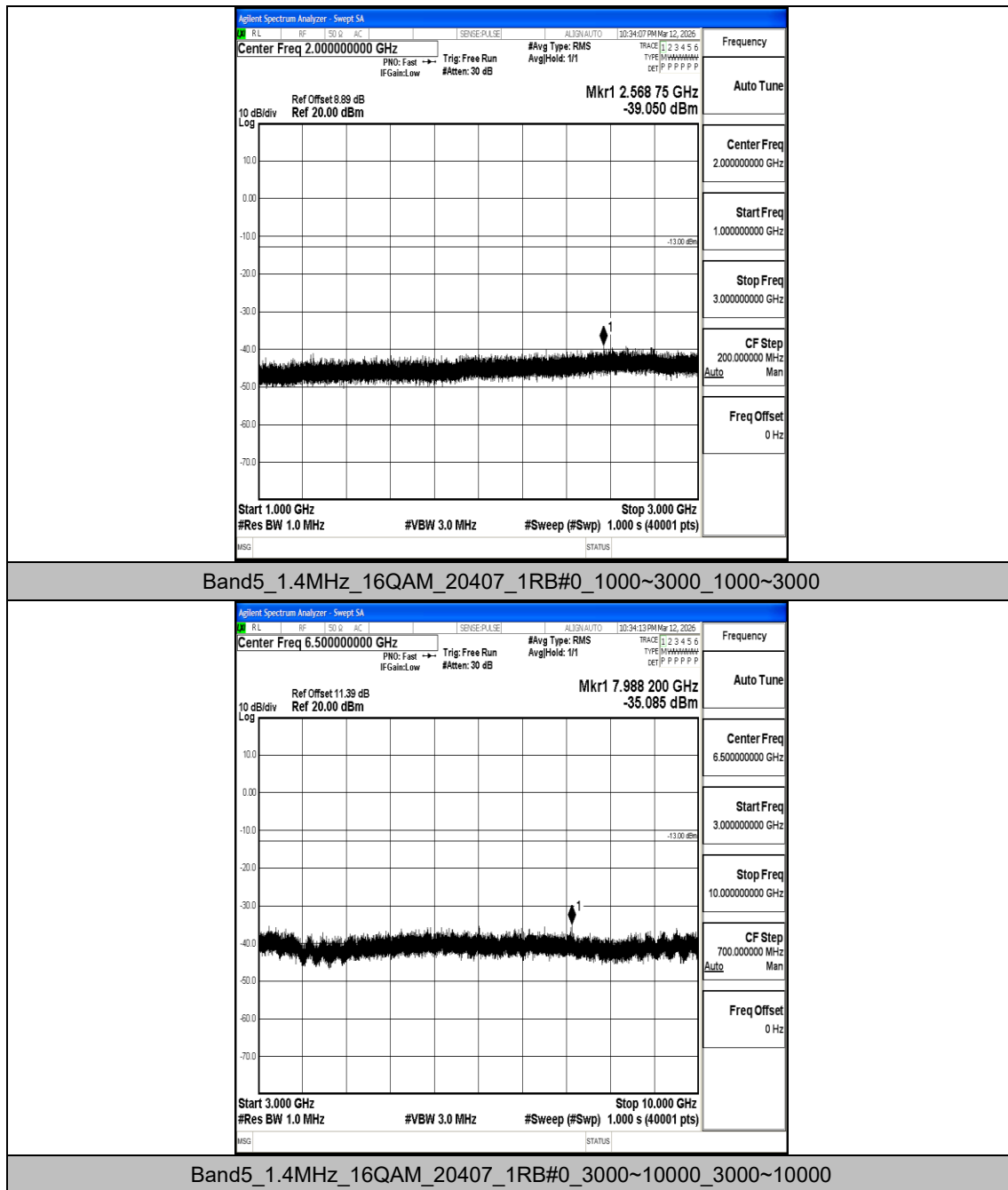


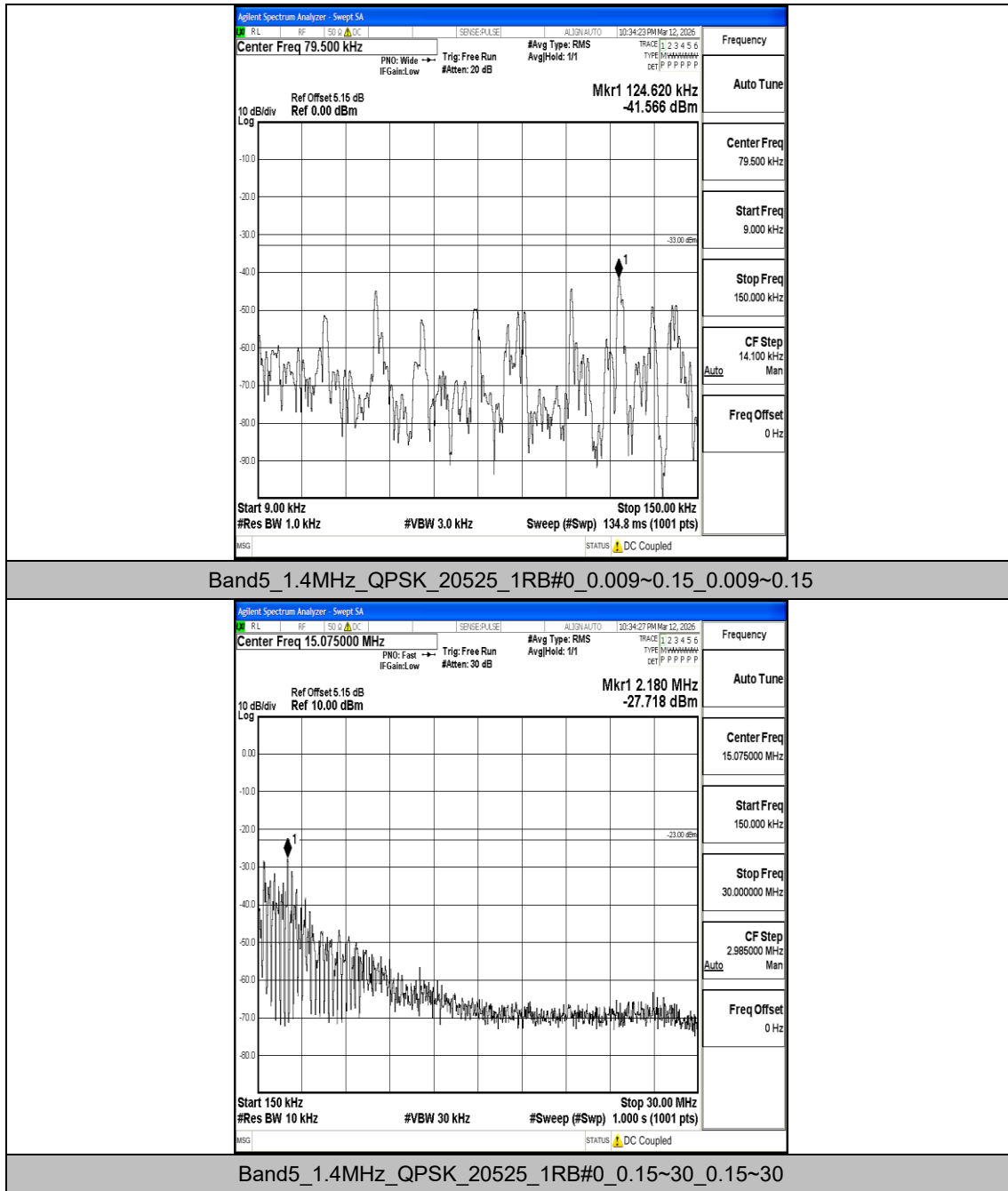
Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000

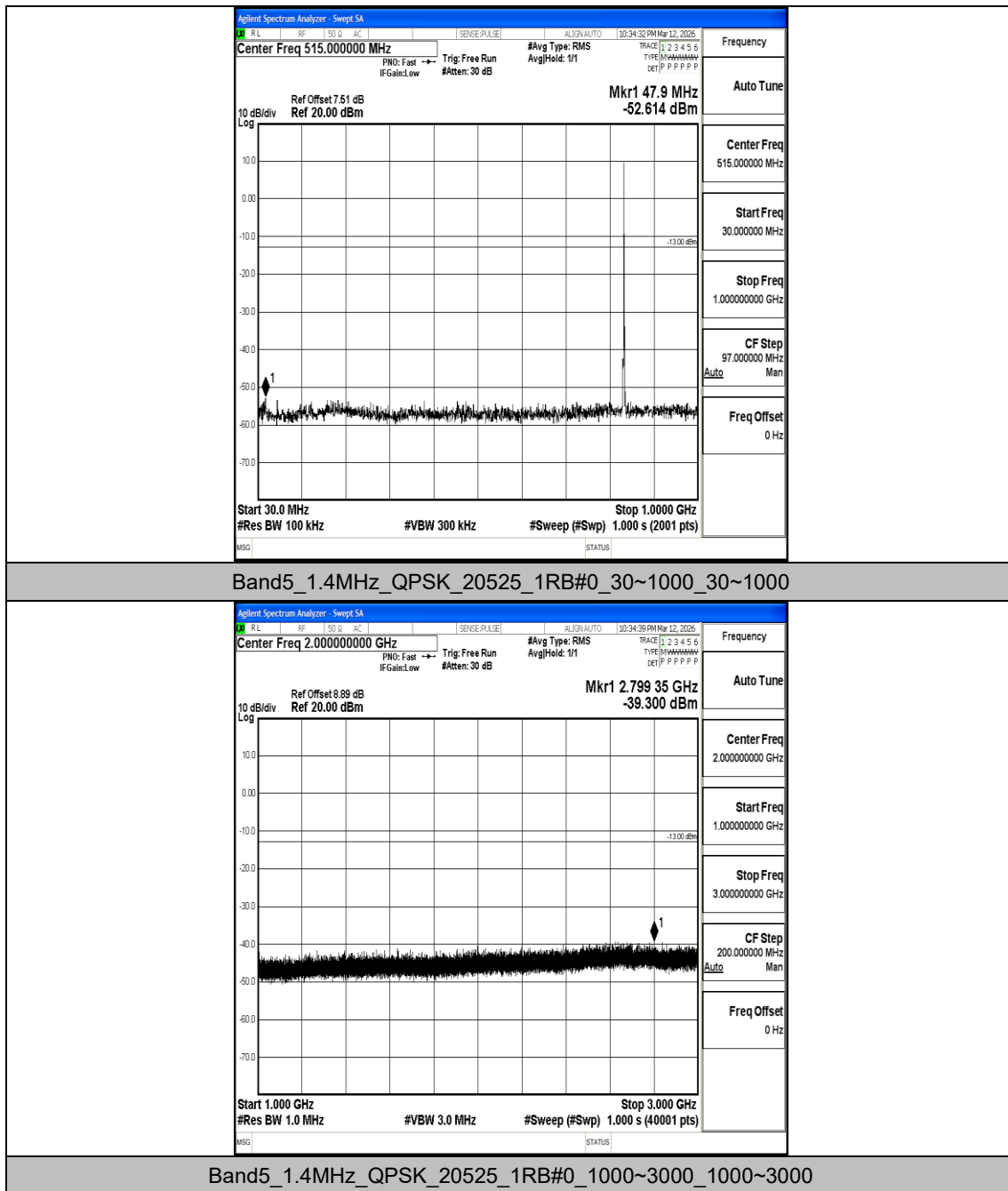


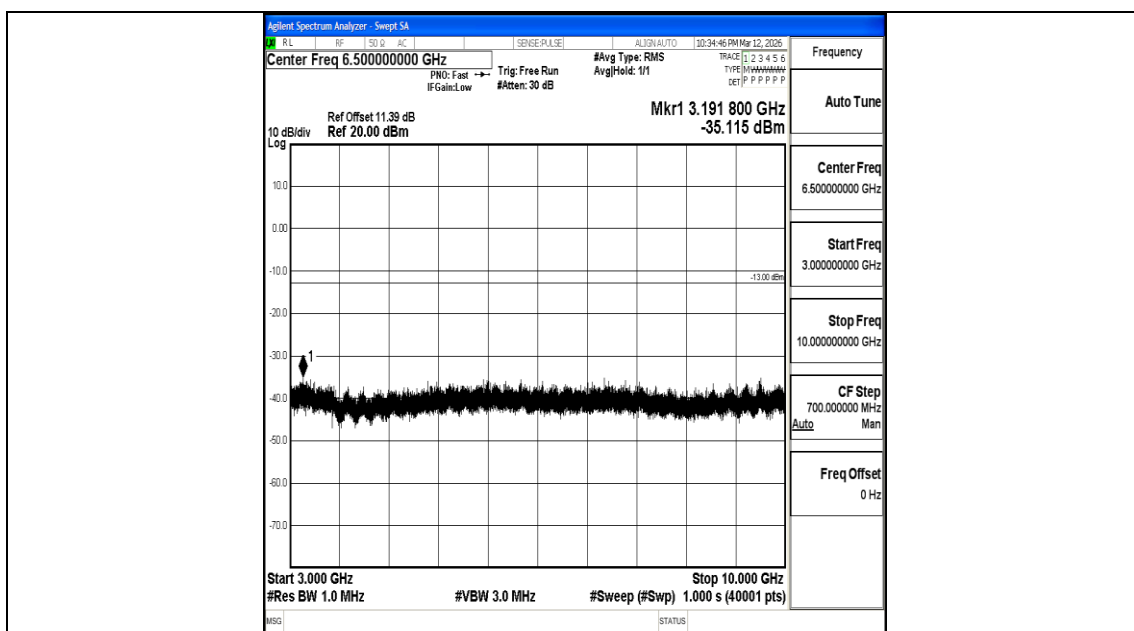
Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15



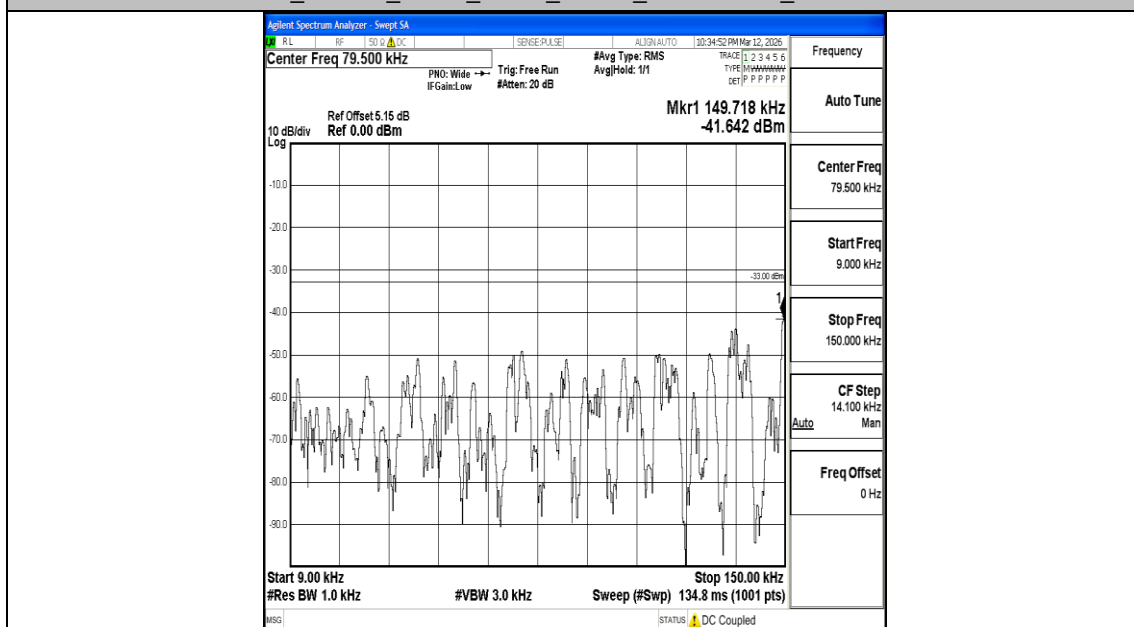




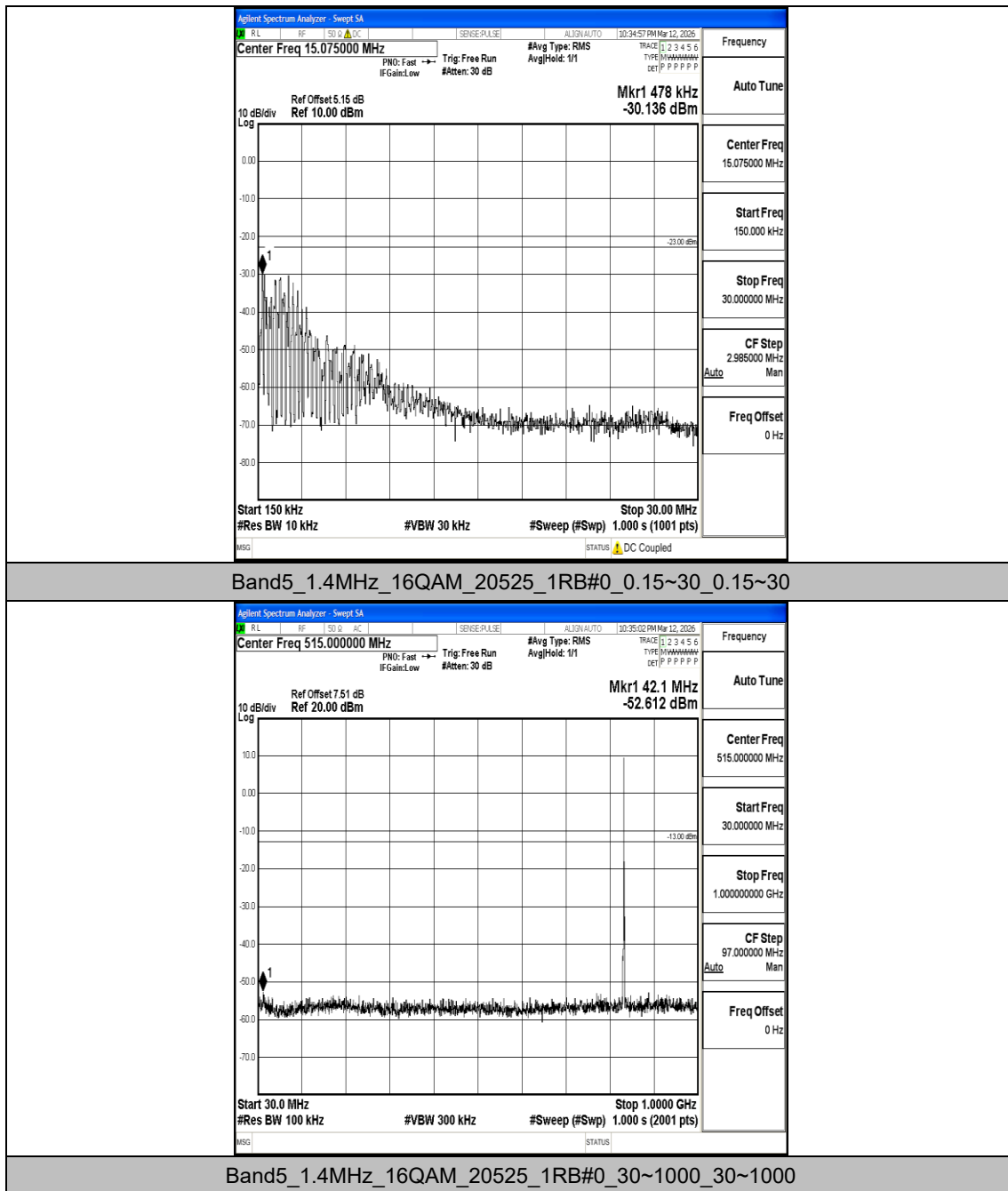


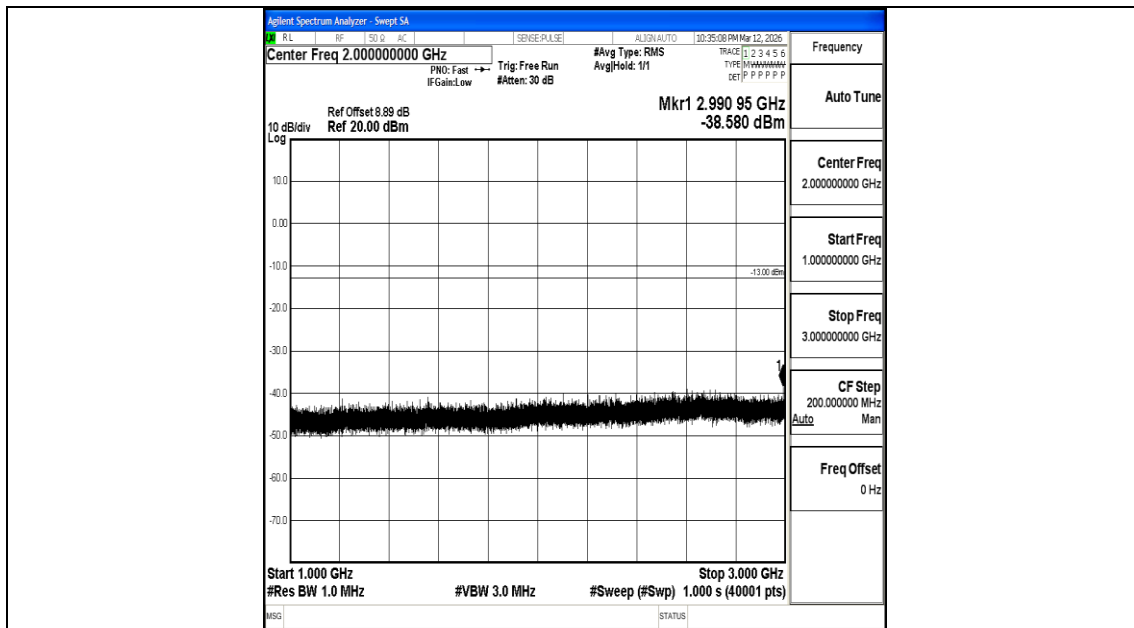


Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000

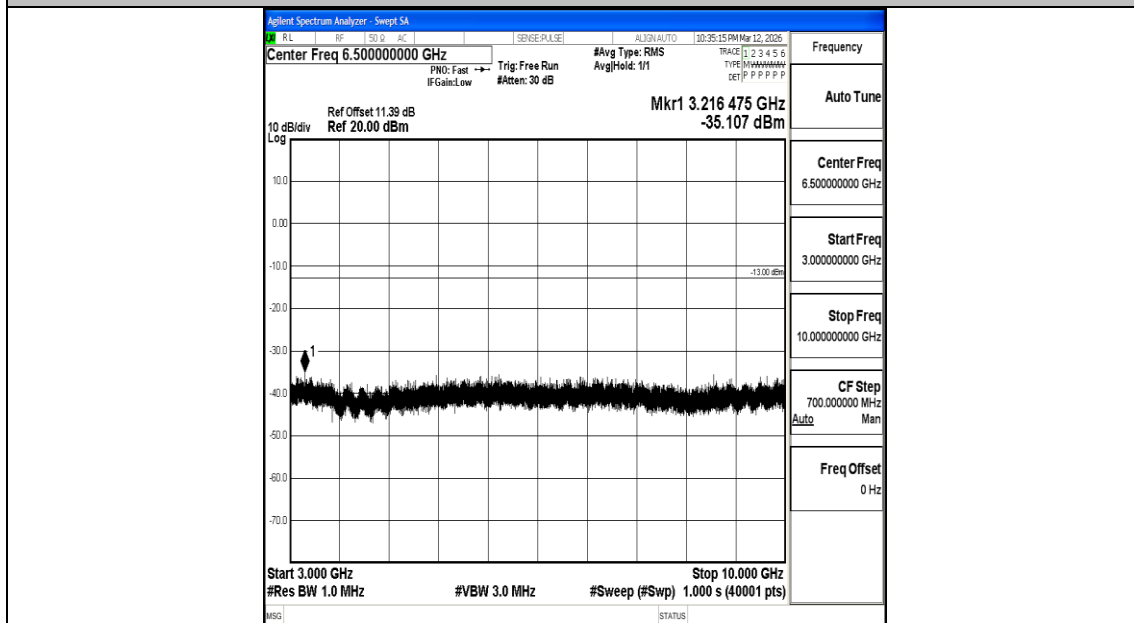


Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15

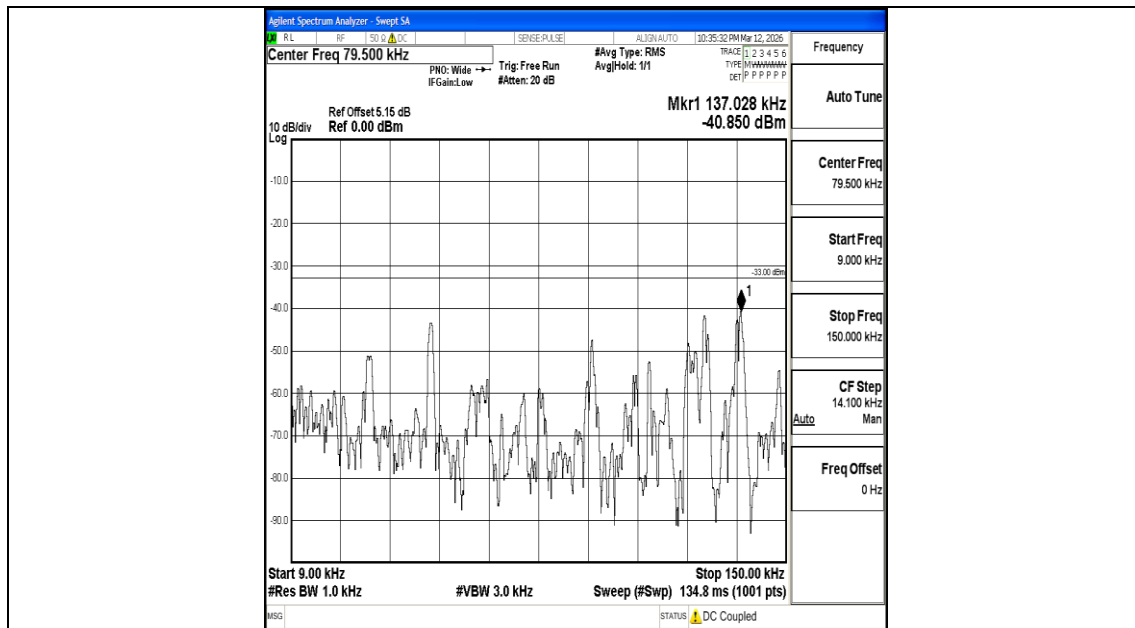




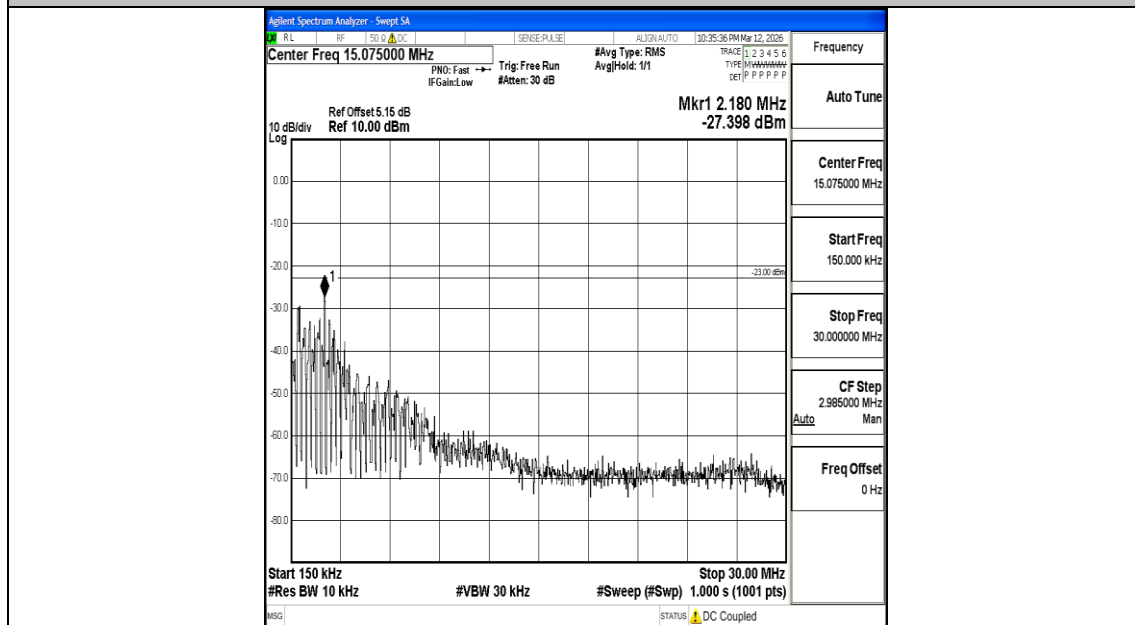
Band5_1.4MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



Band5_1.4MHz_16QAM_20525_1RB#0_3000~10000_3000~10000



Band5_1.4MHz_QPSK_20643_1RB#0_0.009~0.15_0.009~0.15



Band5_1.4MHz_QPSK_20643_1RB#0_0.15~30_0.15~30

