



FCC Appendix RF Test Data for Band 5

Product Name: Smart Phone

Test Model: Philips S8310

Environmental Conditions

Temperature:	23.6° C
Relative Humidity:	54.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zoey Cao
Supervised by:	Eric Wang

1 Peak-to-Average Ratio(CCDF)

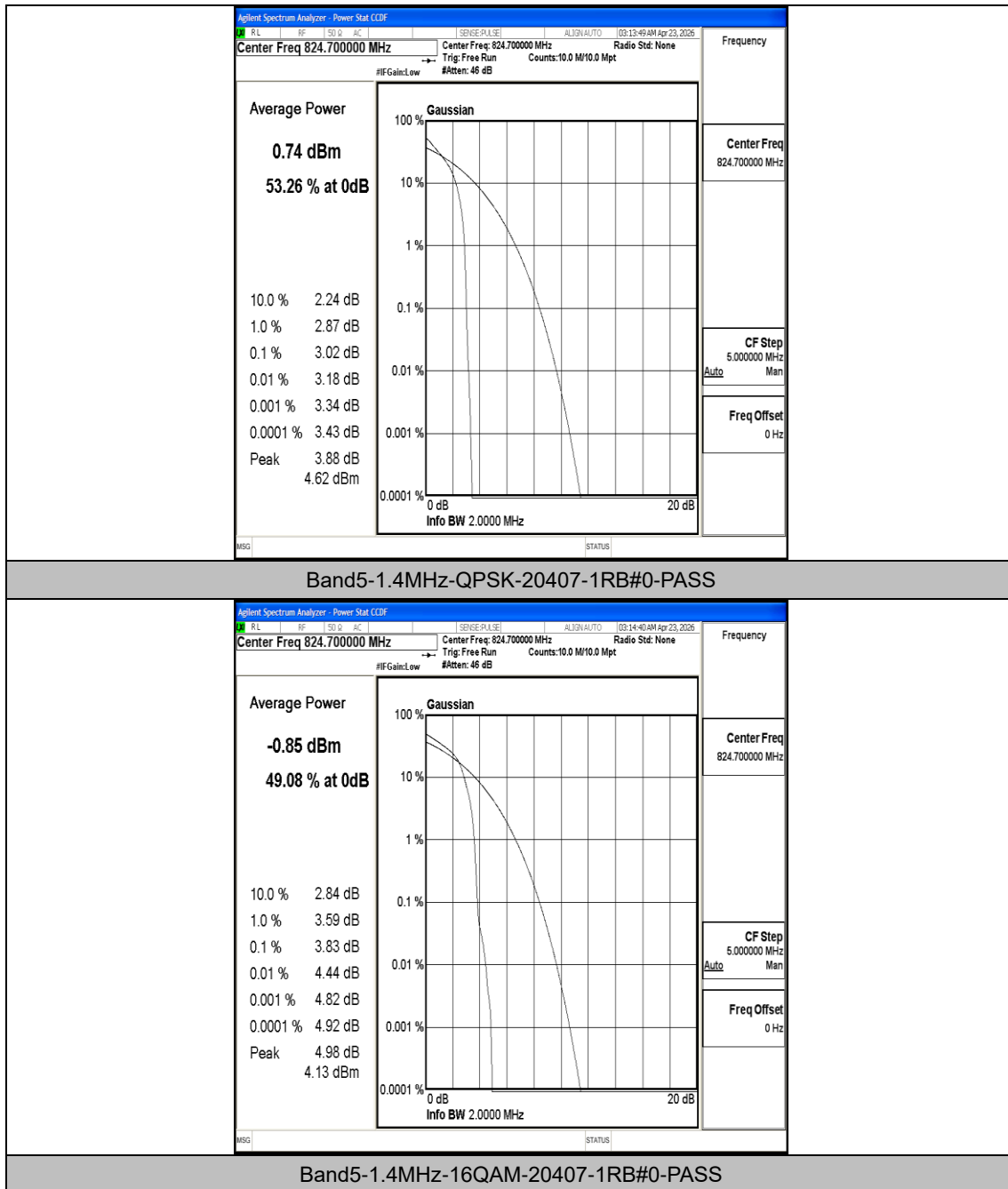
Test Result

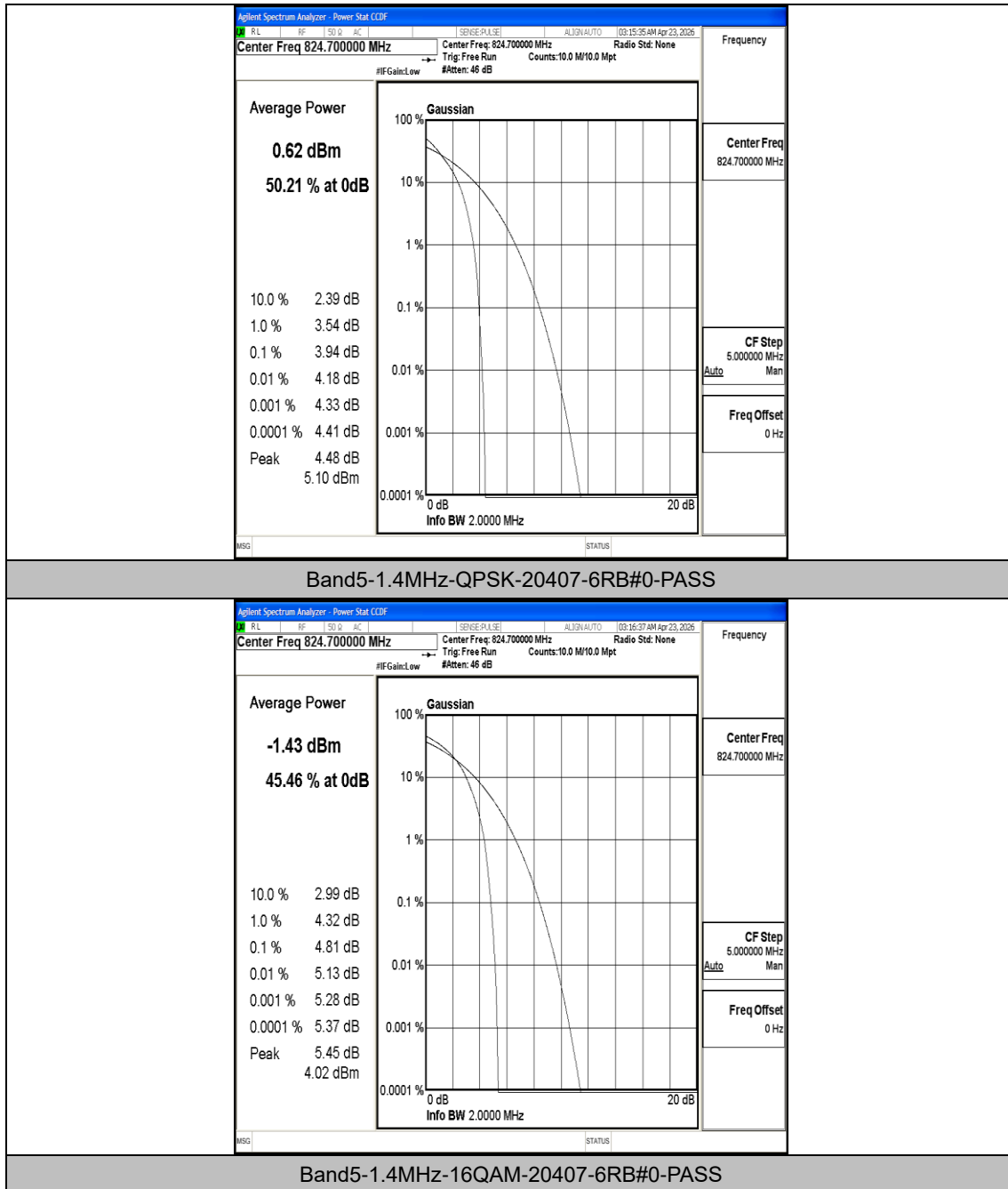
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.02	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3.83	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3.94	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	4.81	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.16	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	4.66	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.66	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.57	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	5.10	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.84	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	6.51	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	8.50	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.37	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.05	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.61	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.57	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.03	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.62	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	4.74	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.62	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.53	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.45	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.79	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.92	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.39	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.08	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.18	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	7.82	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	8.47	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.01	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.38	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.21	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.13	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.15	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.09	13	PASS

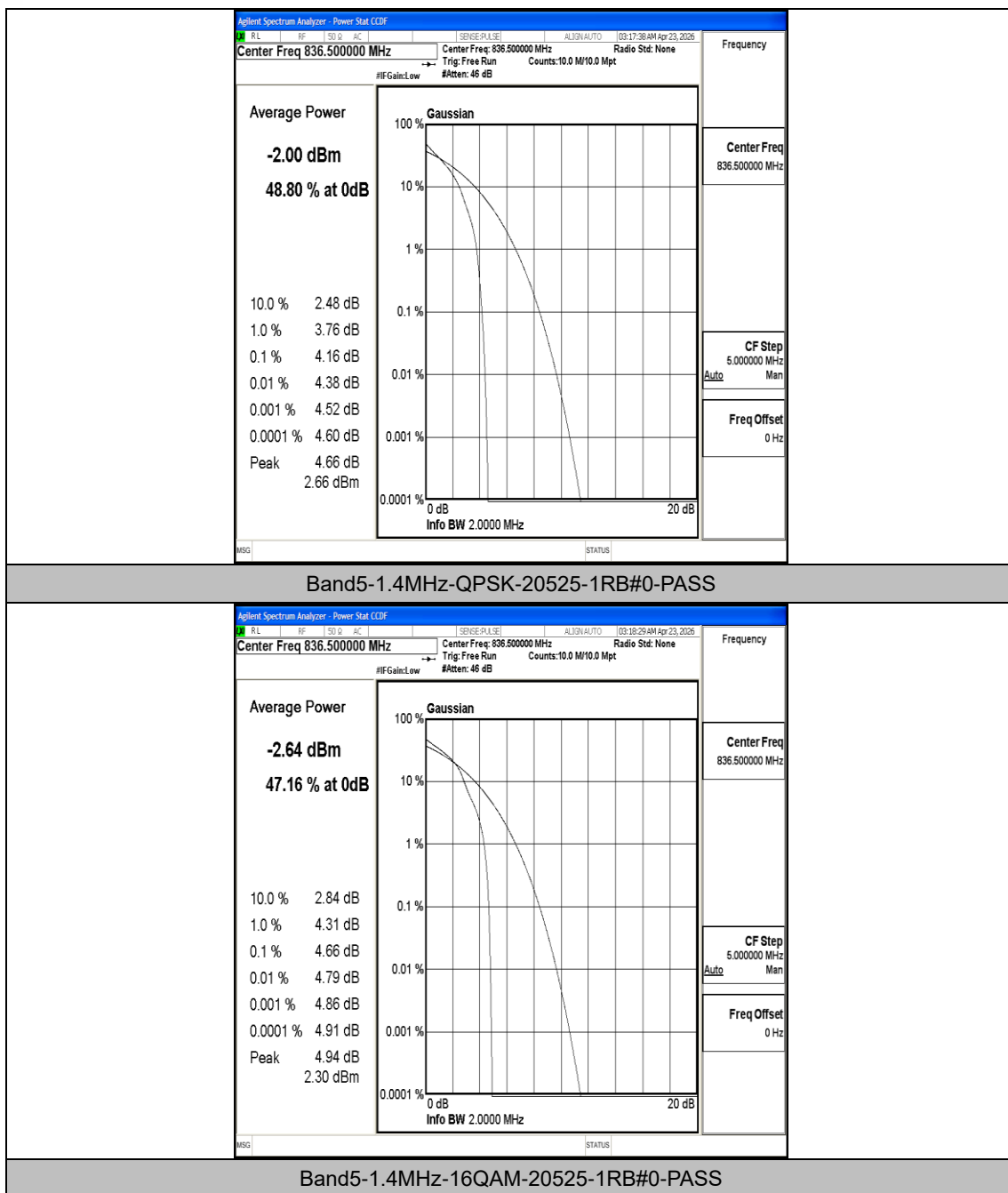


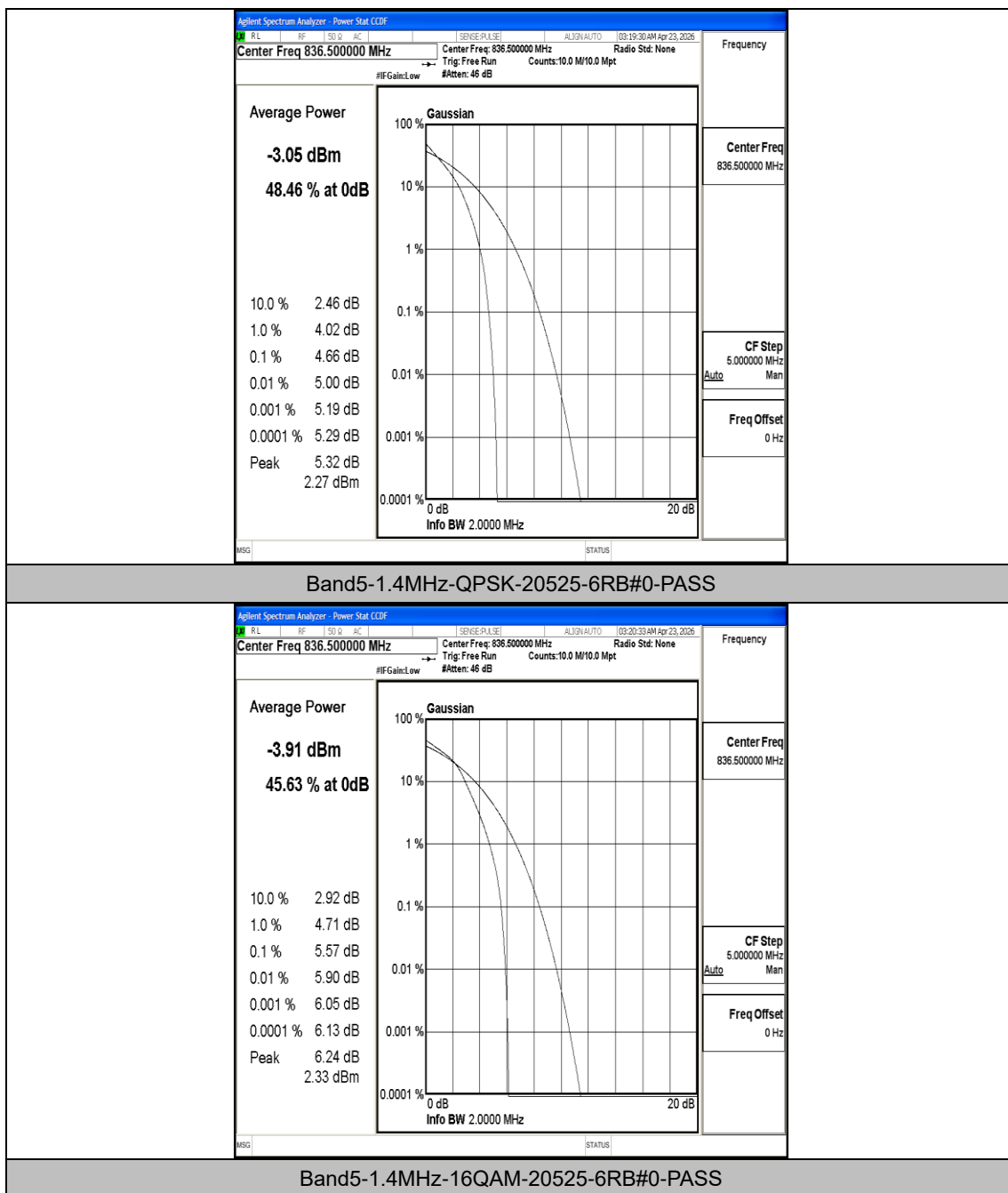
Band5	10MHz	16QAM	20450	1RB#0	4.75	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.27	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.46	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	5.08	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.61	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.67	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.25	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	2.61	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	2.88	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.54	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.94	13	PASS

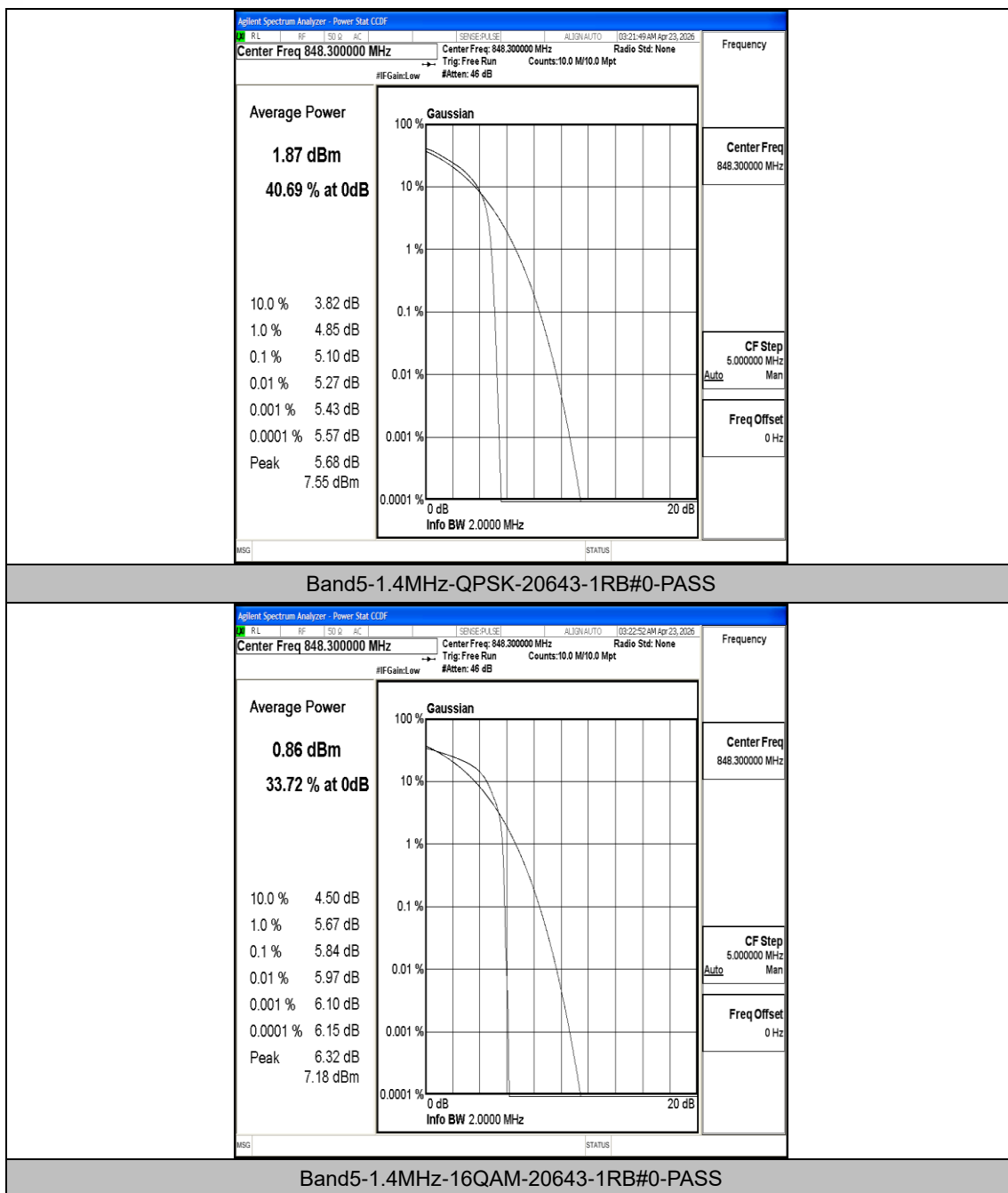
Test Graphs

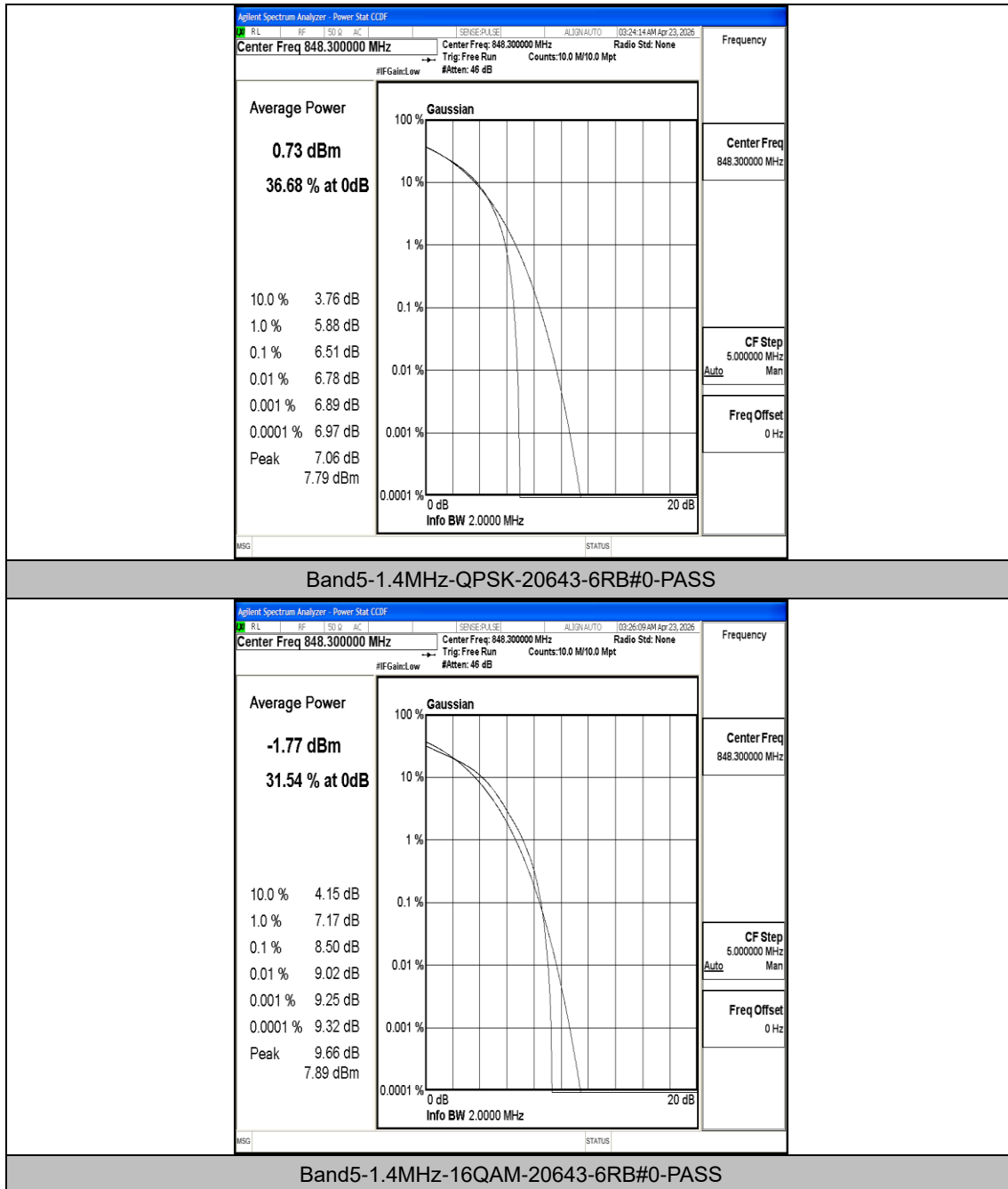


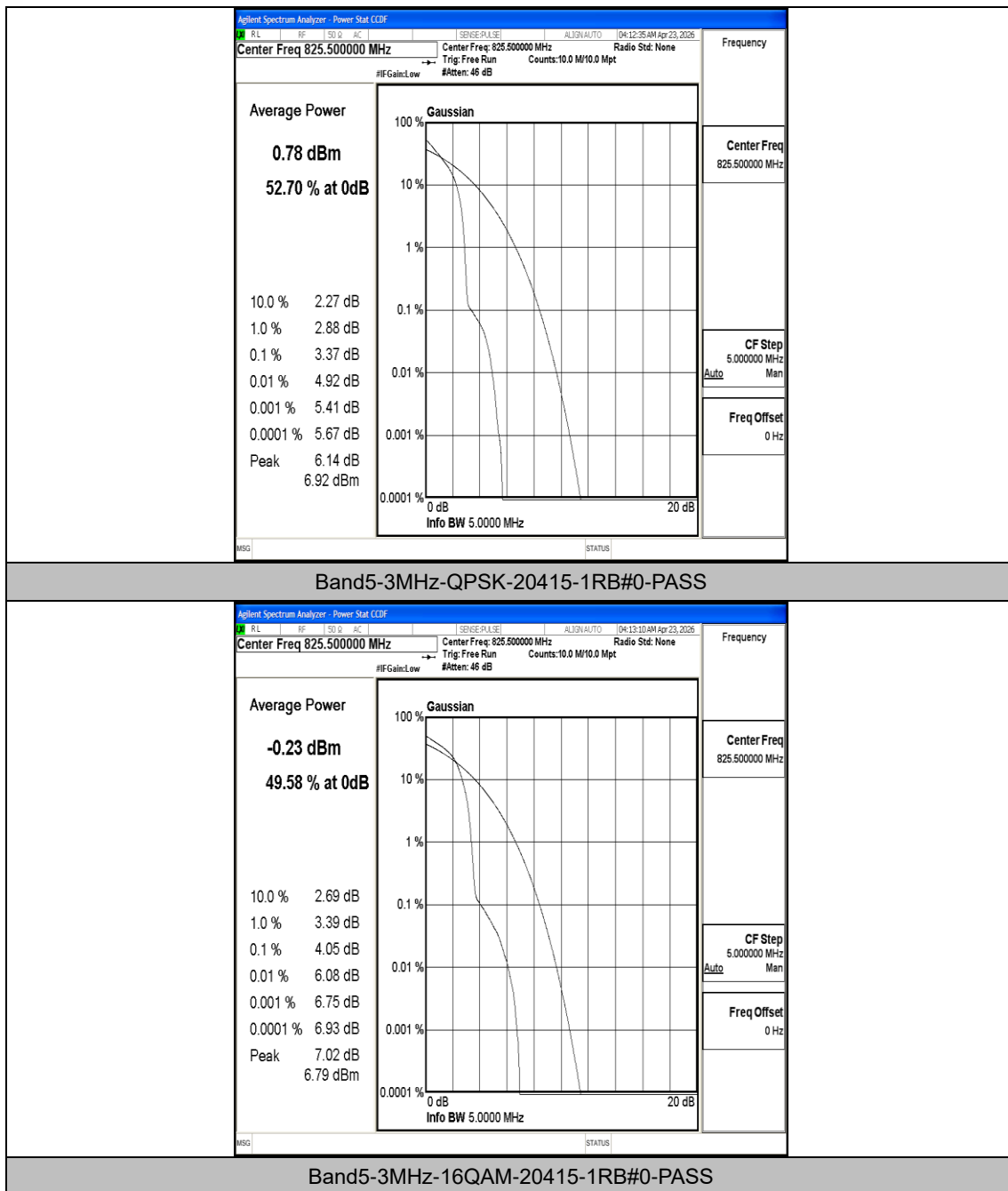


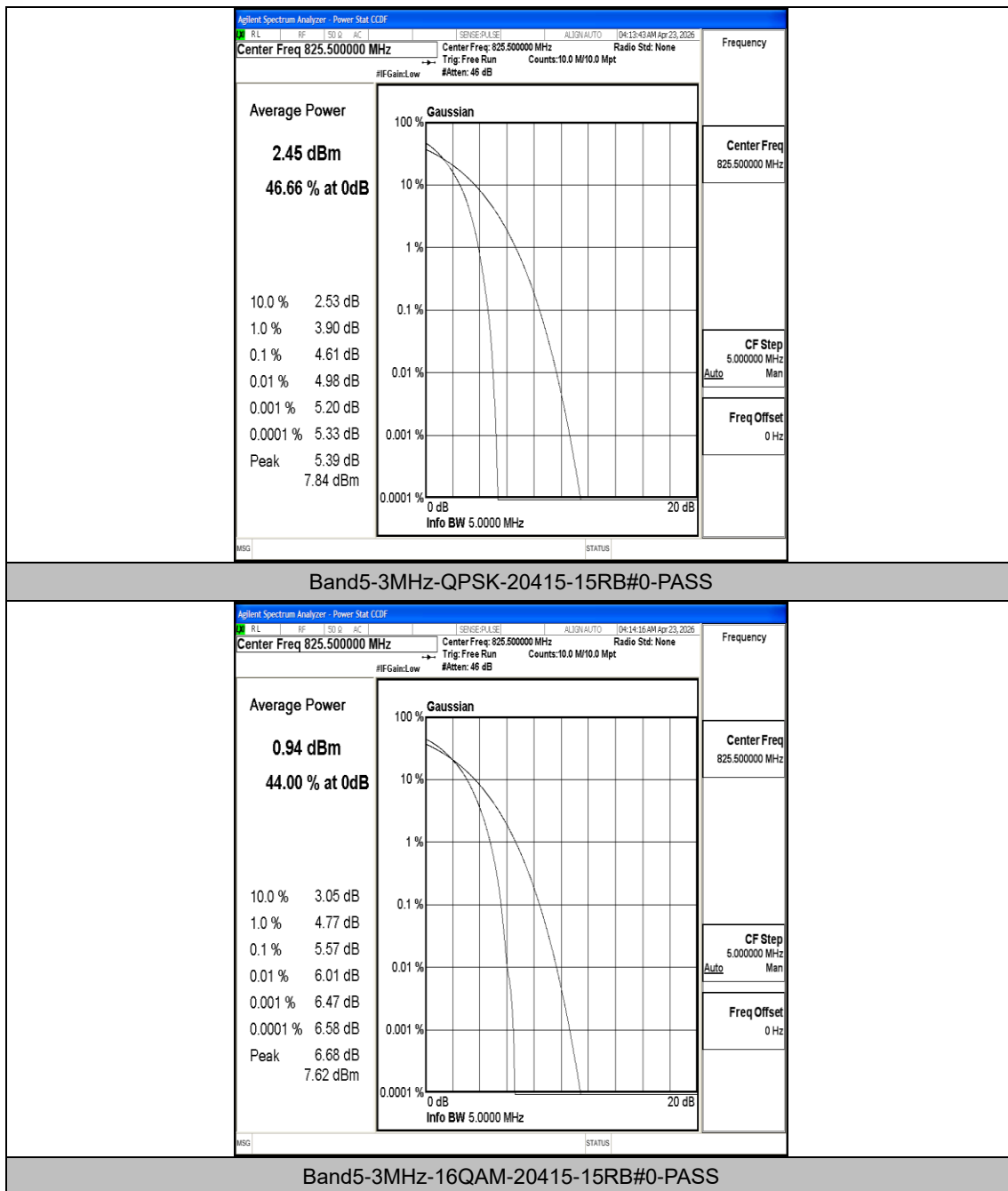


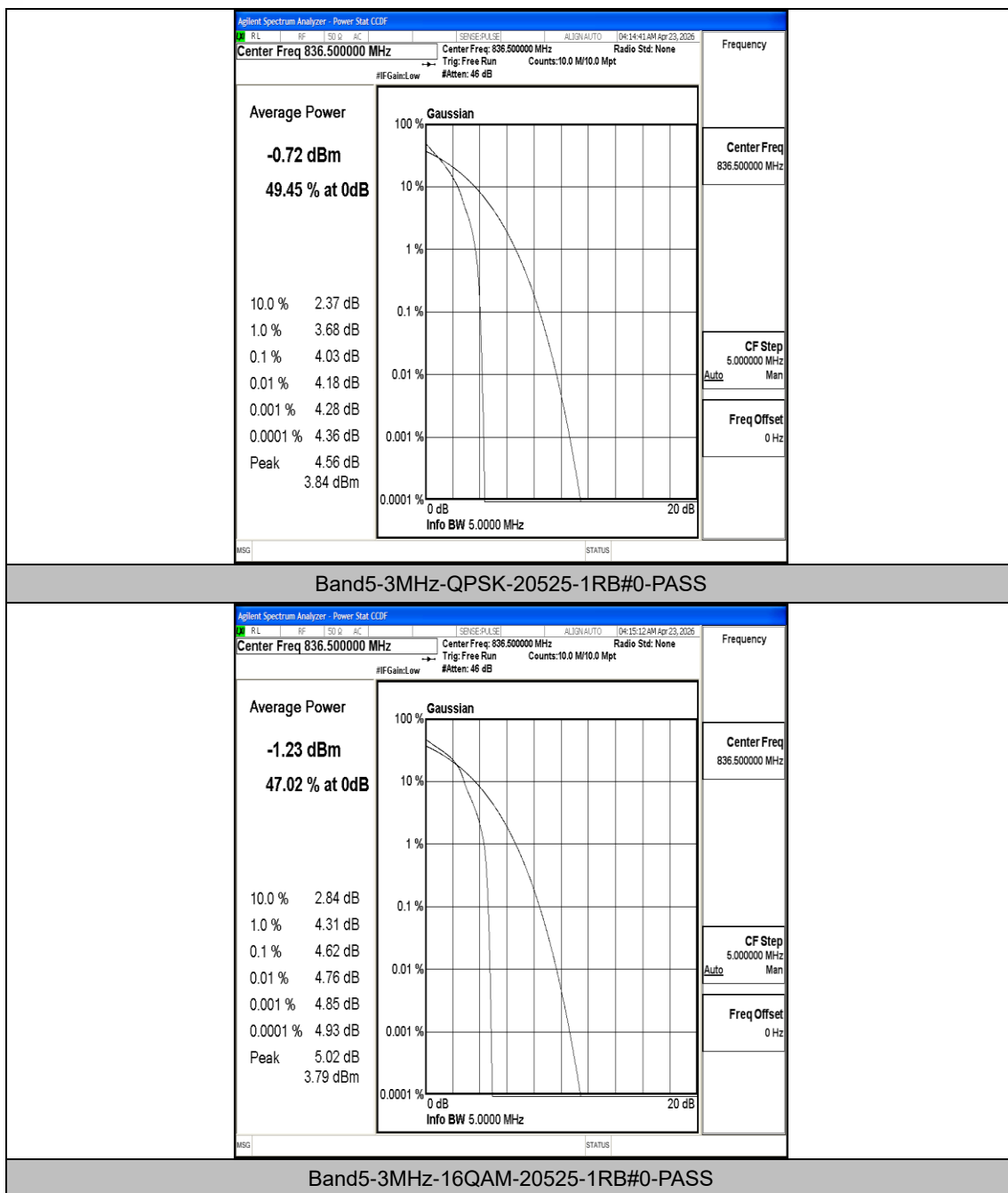


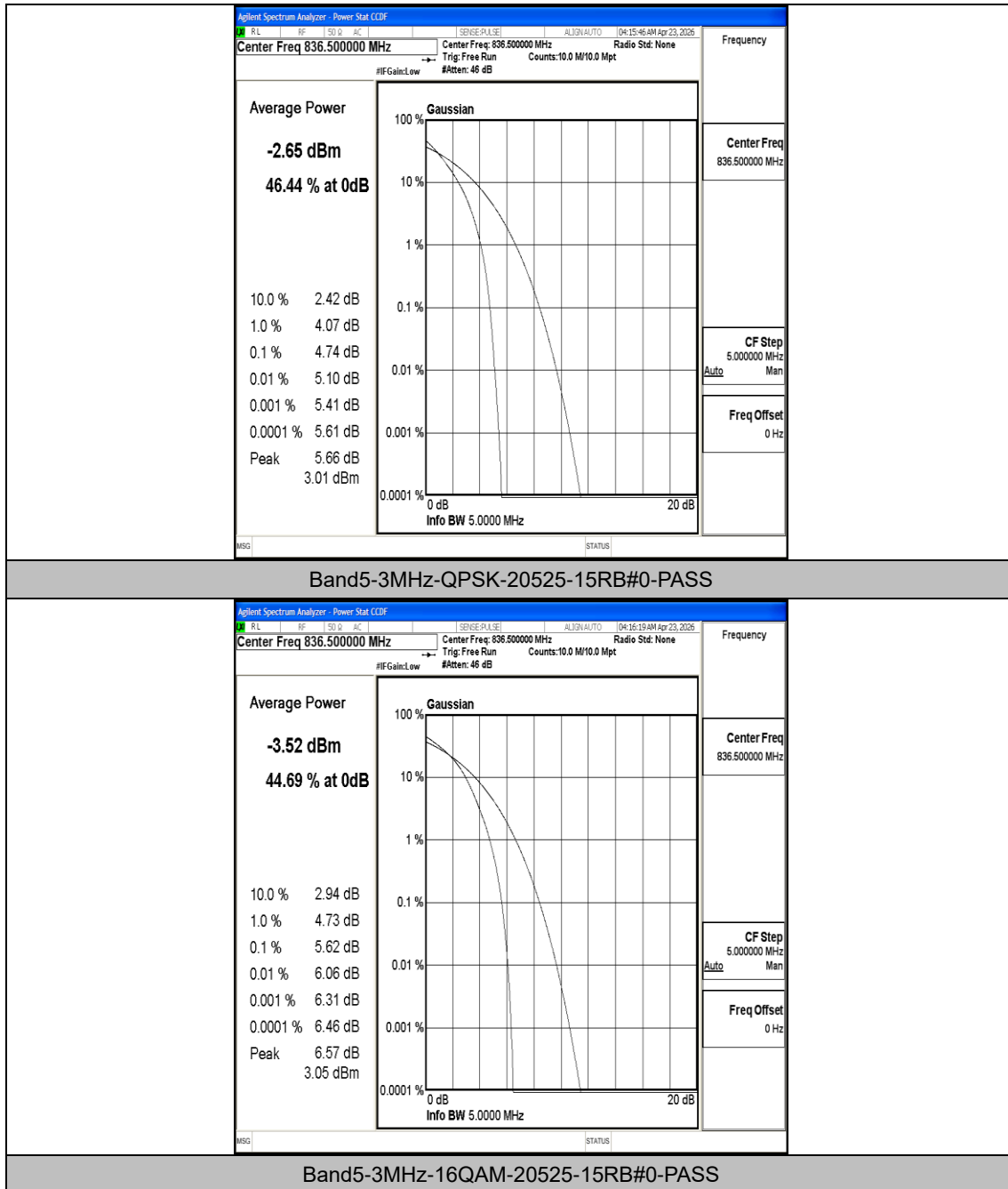


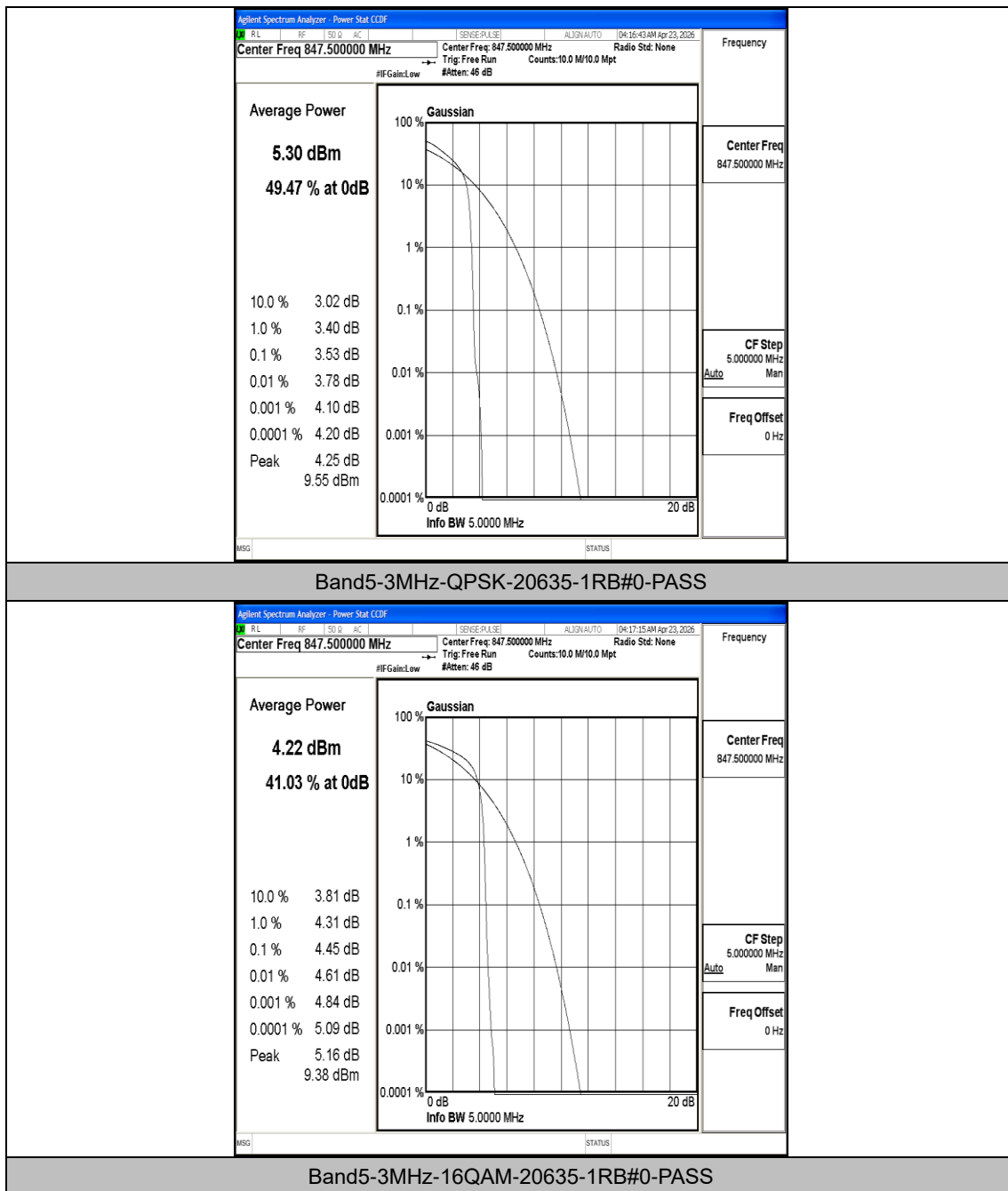


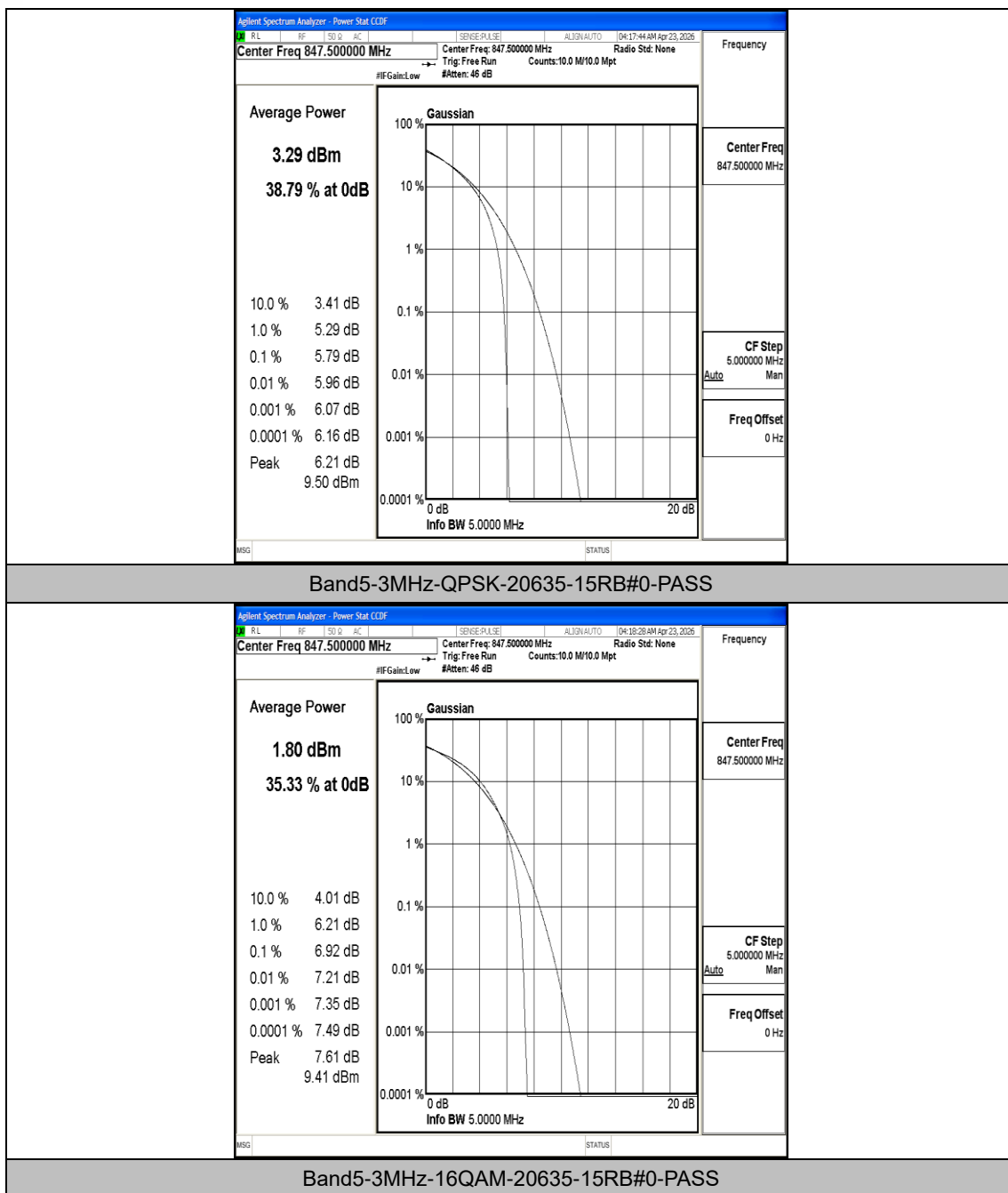


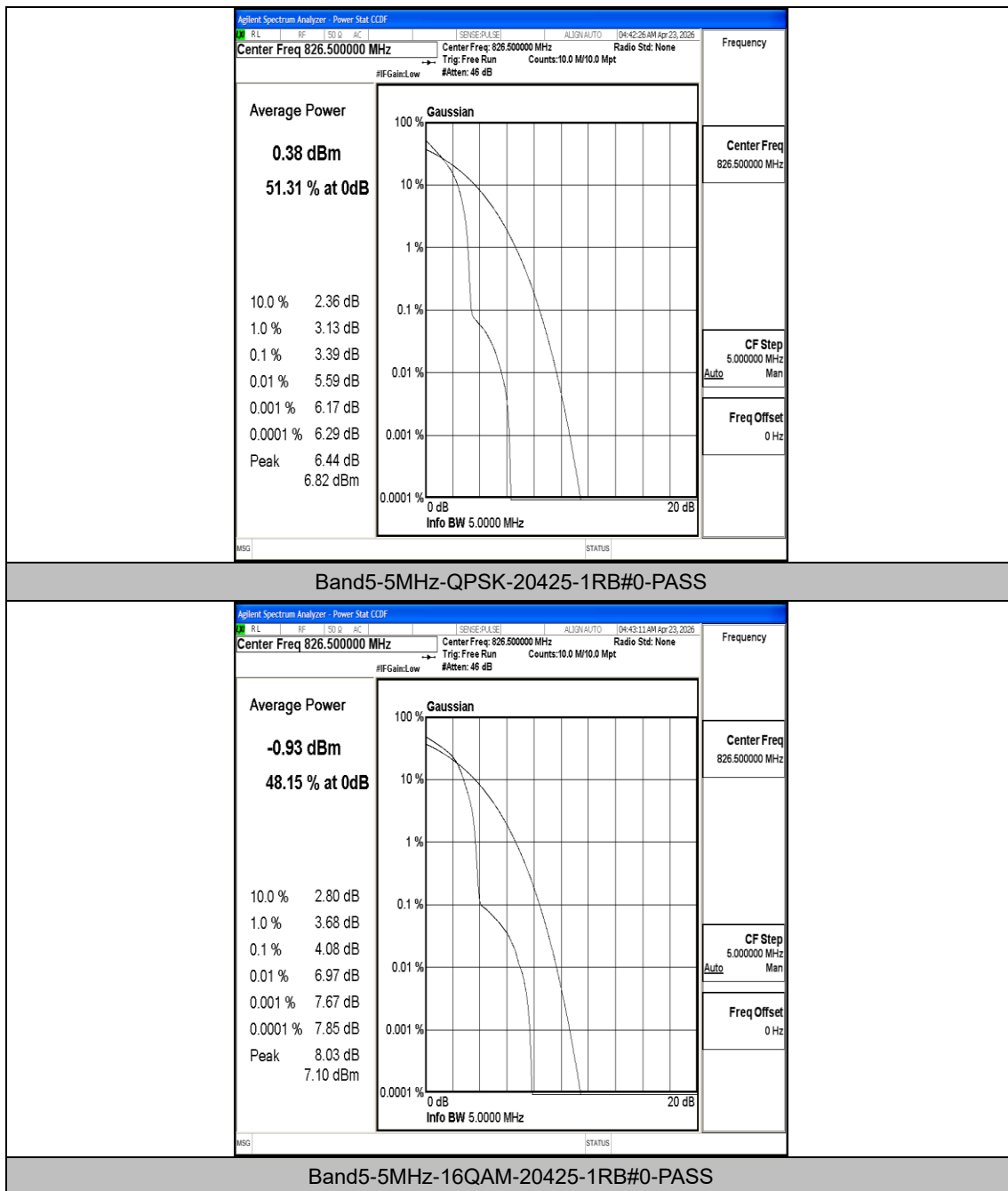


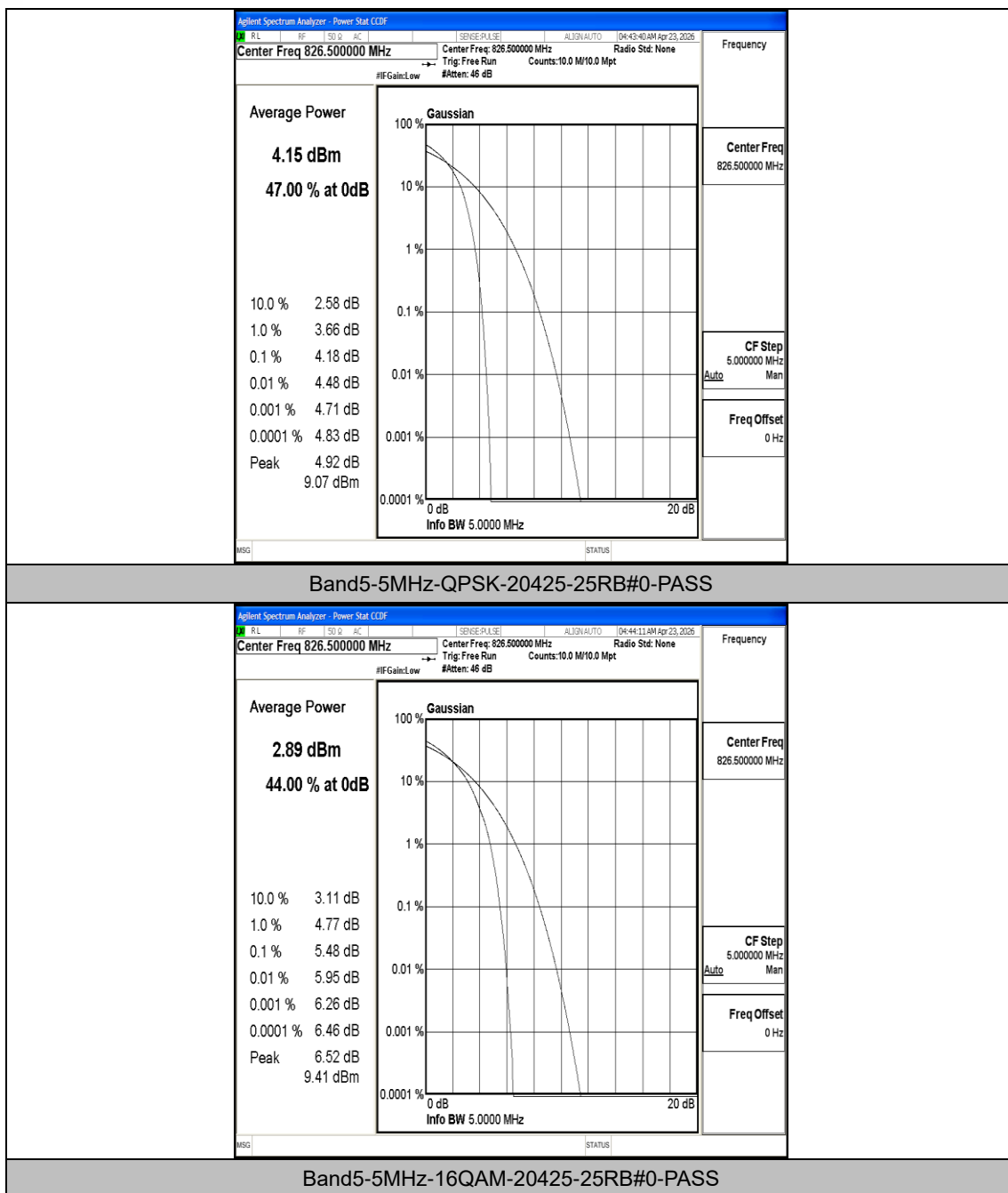


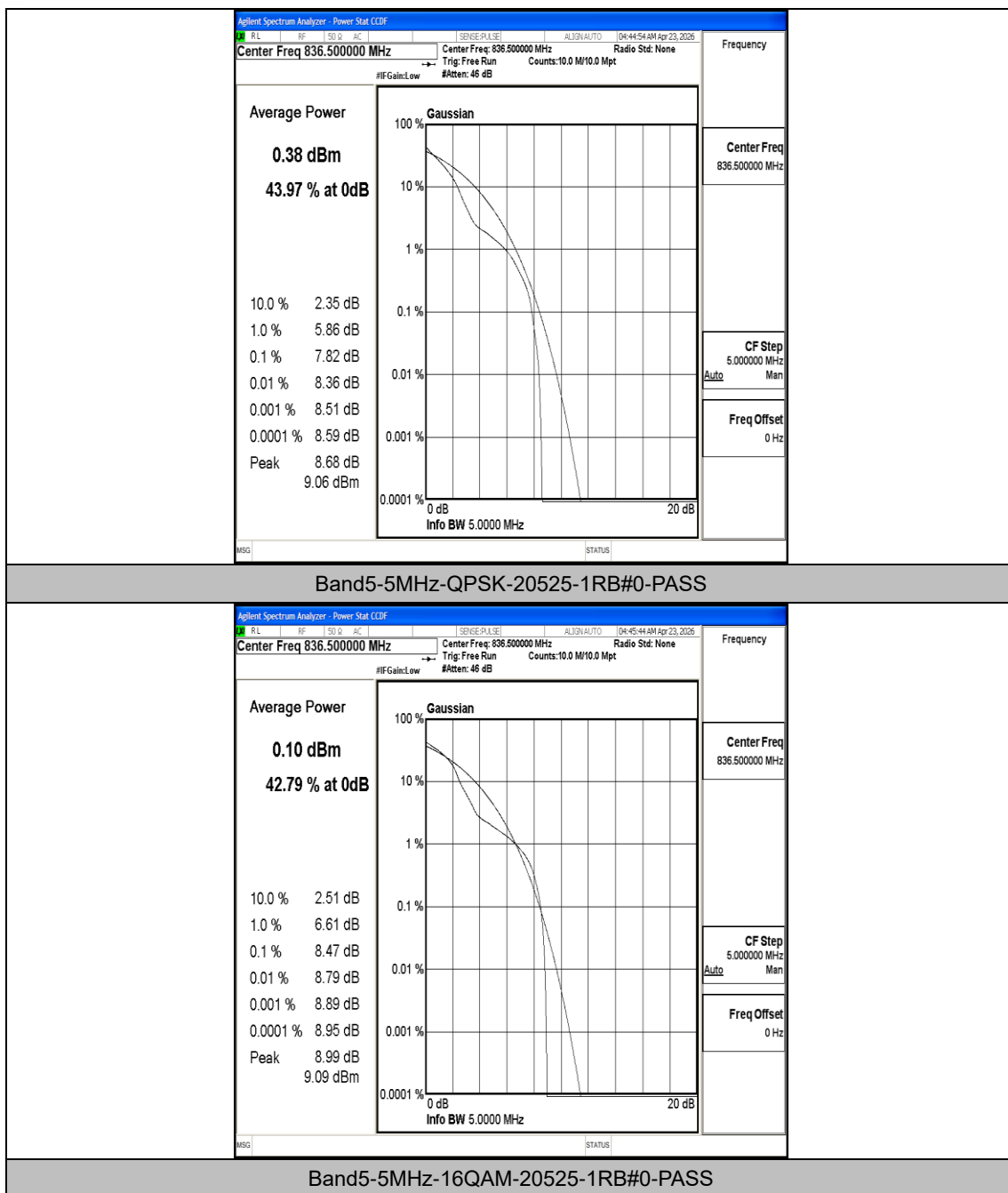


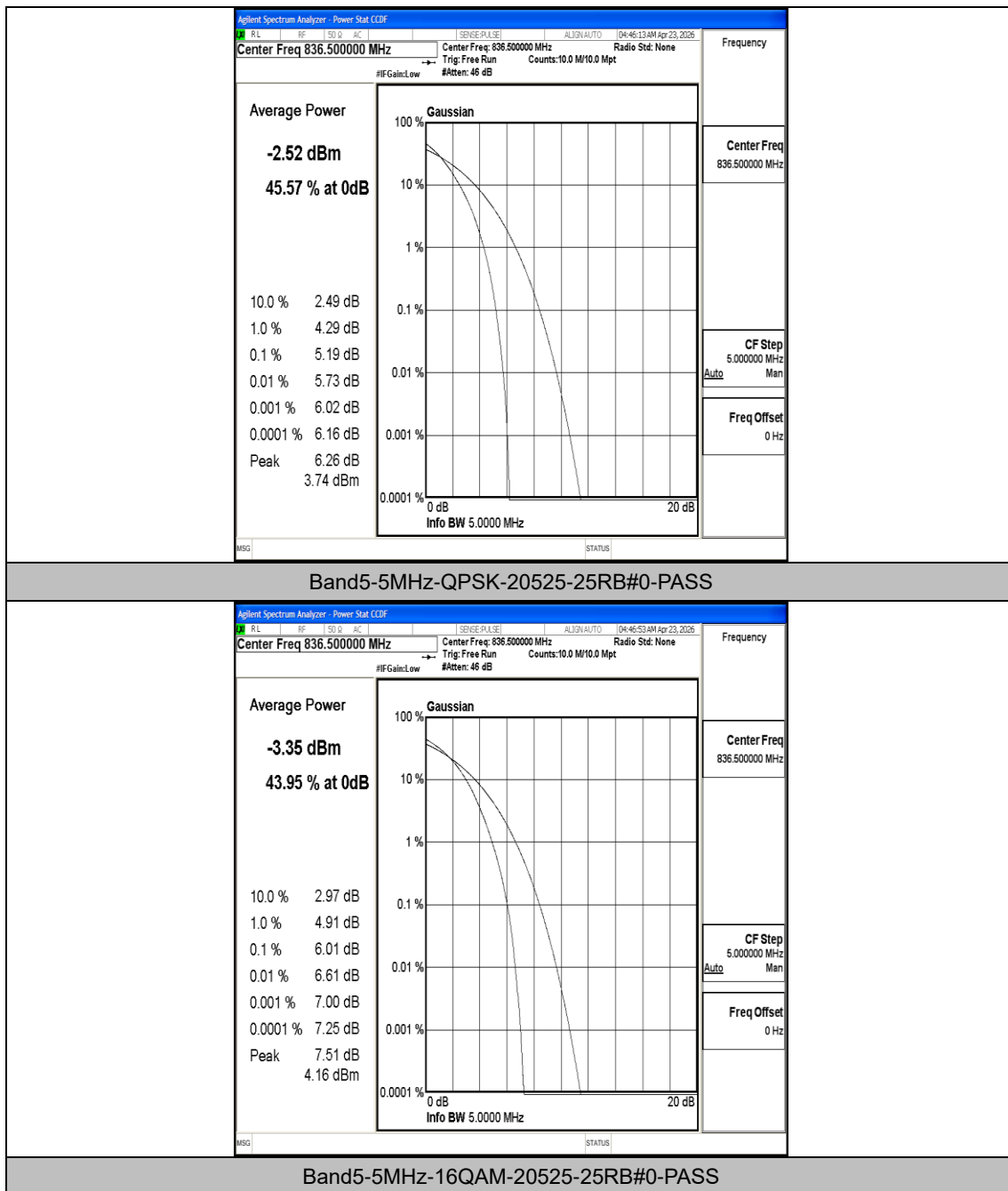


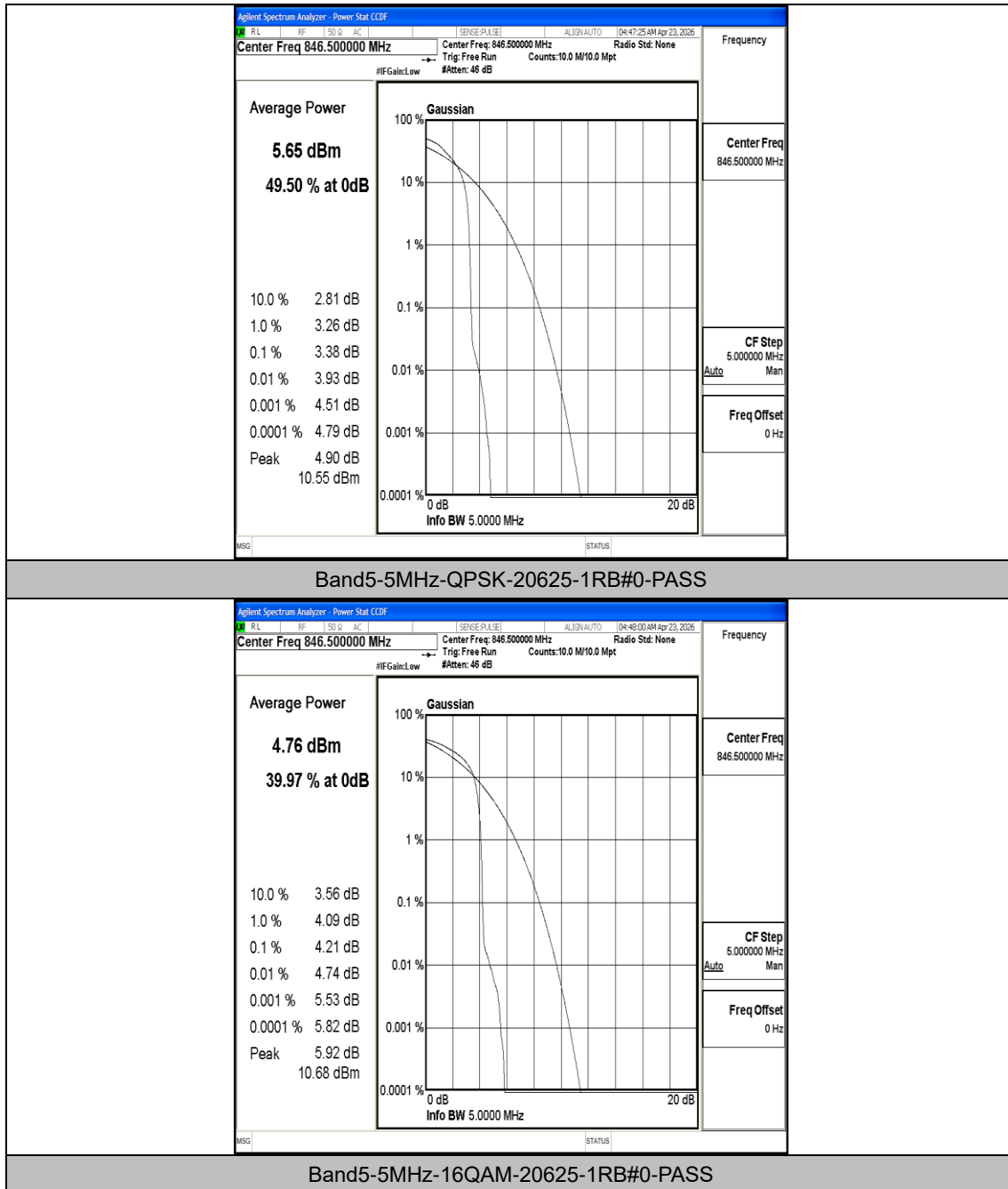


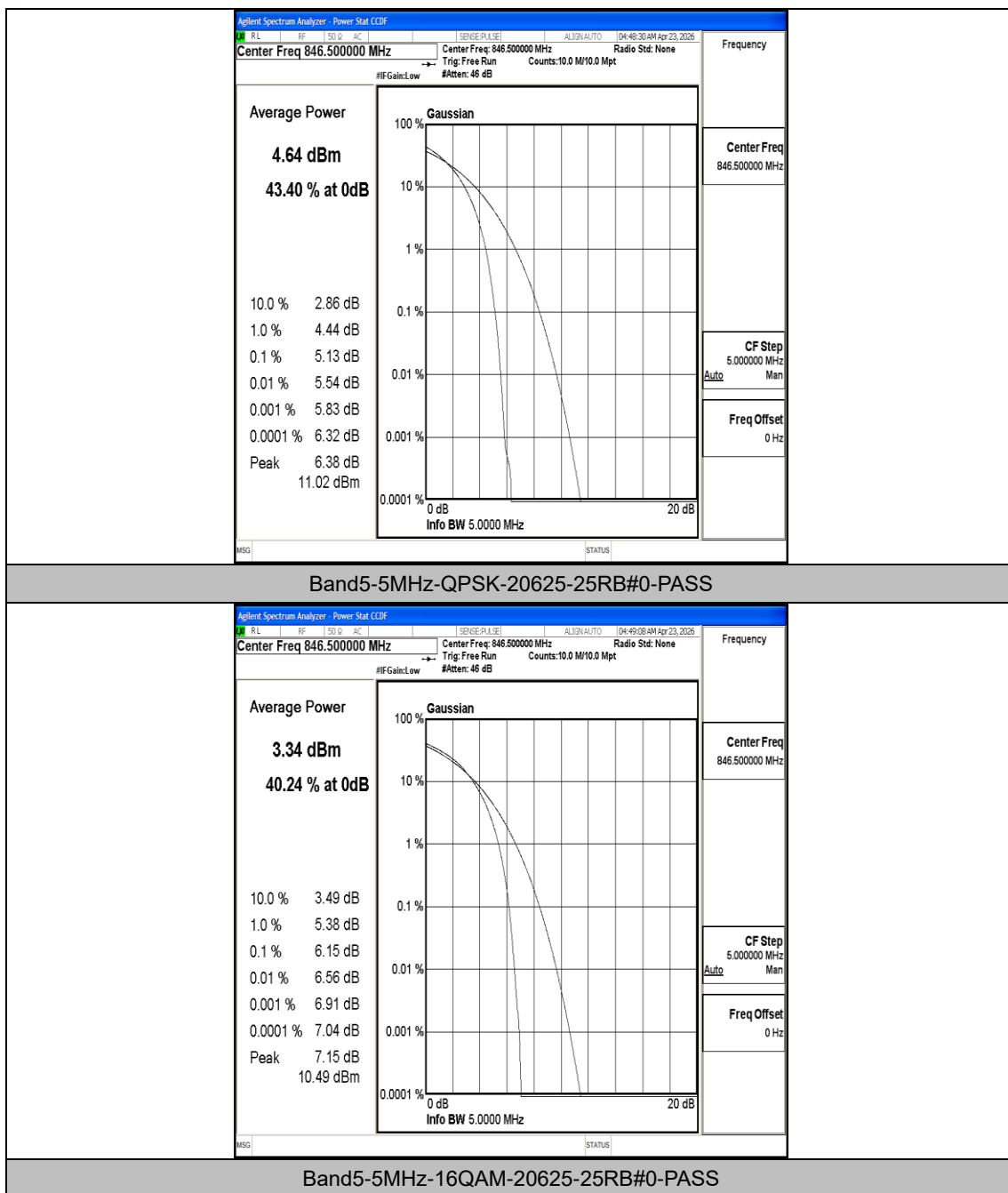


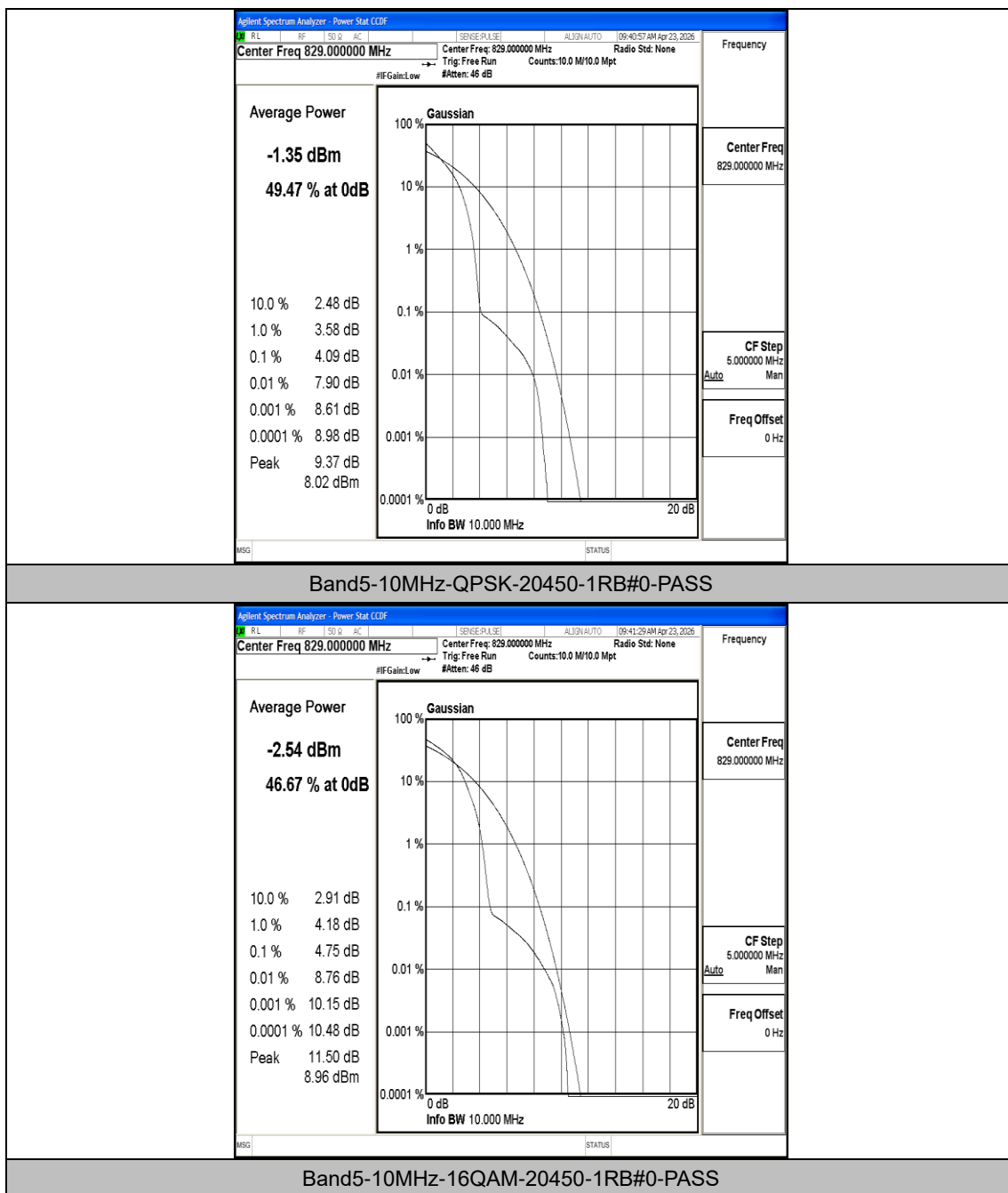


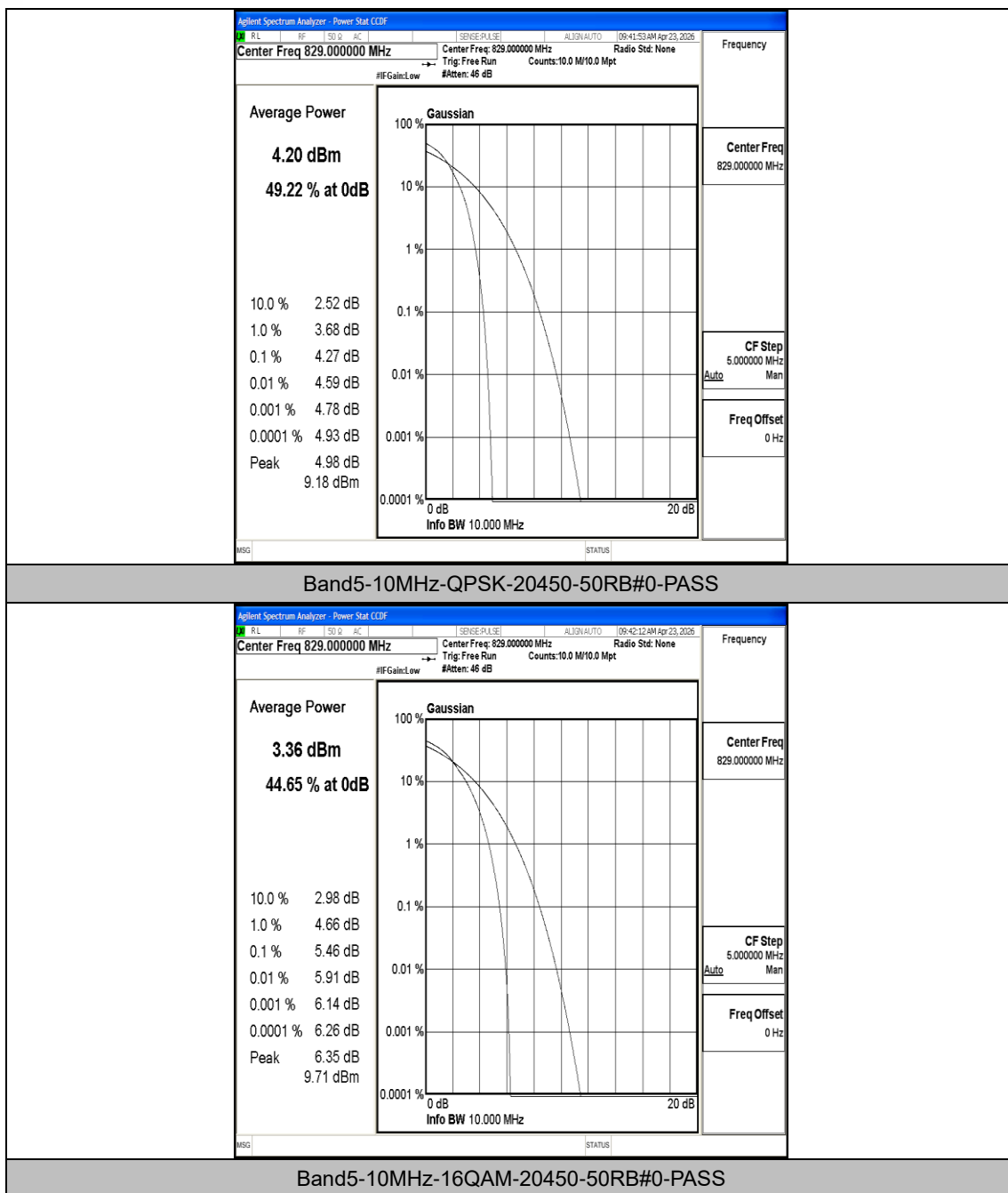


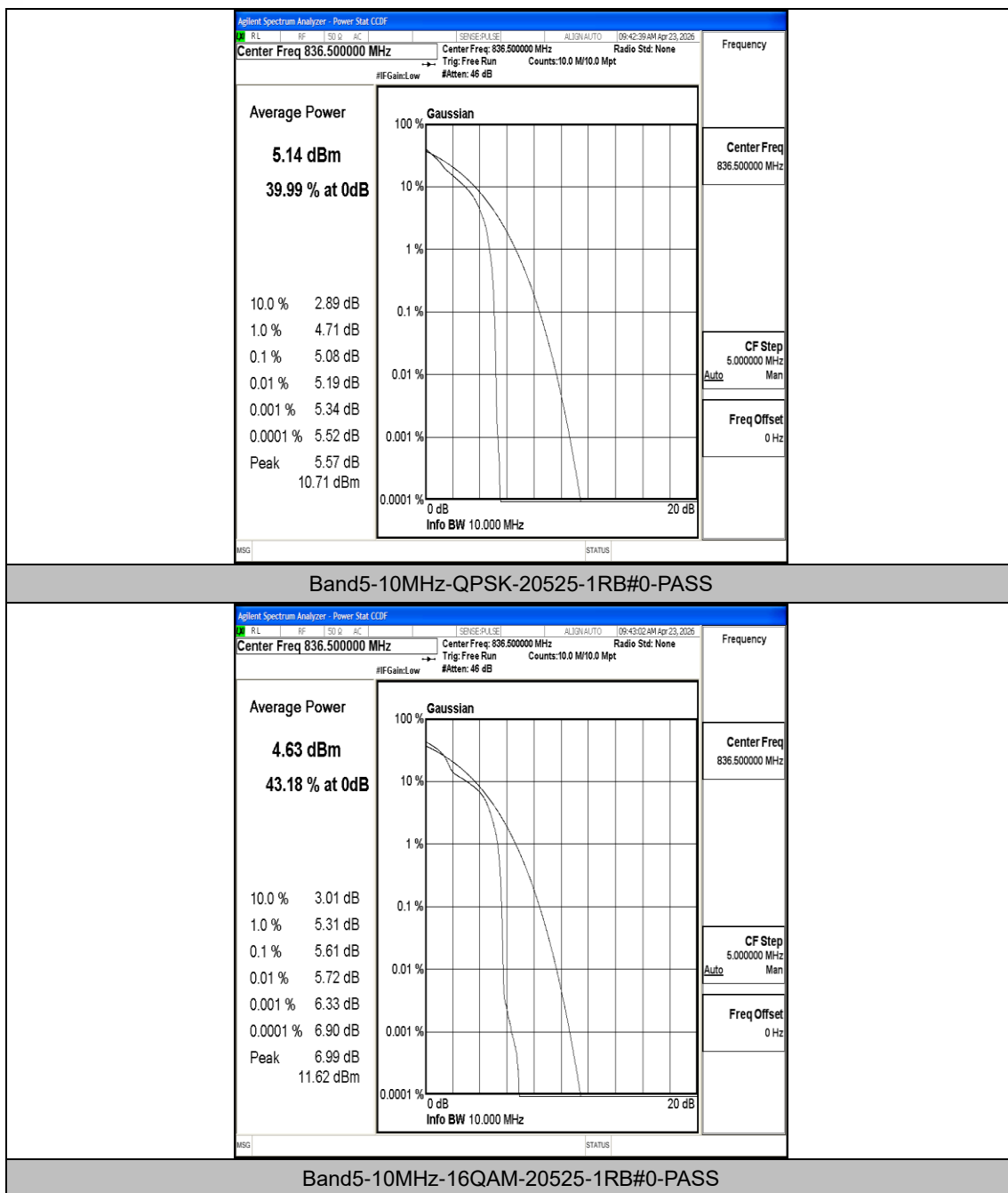


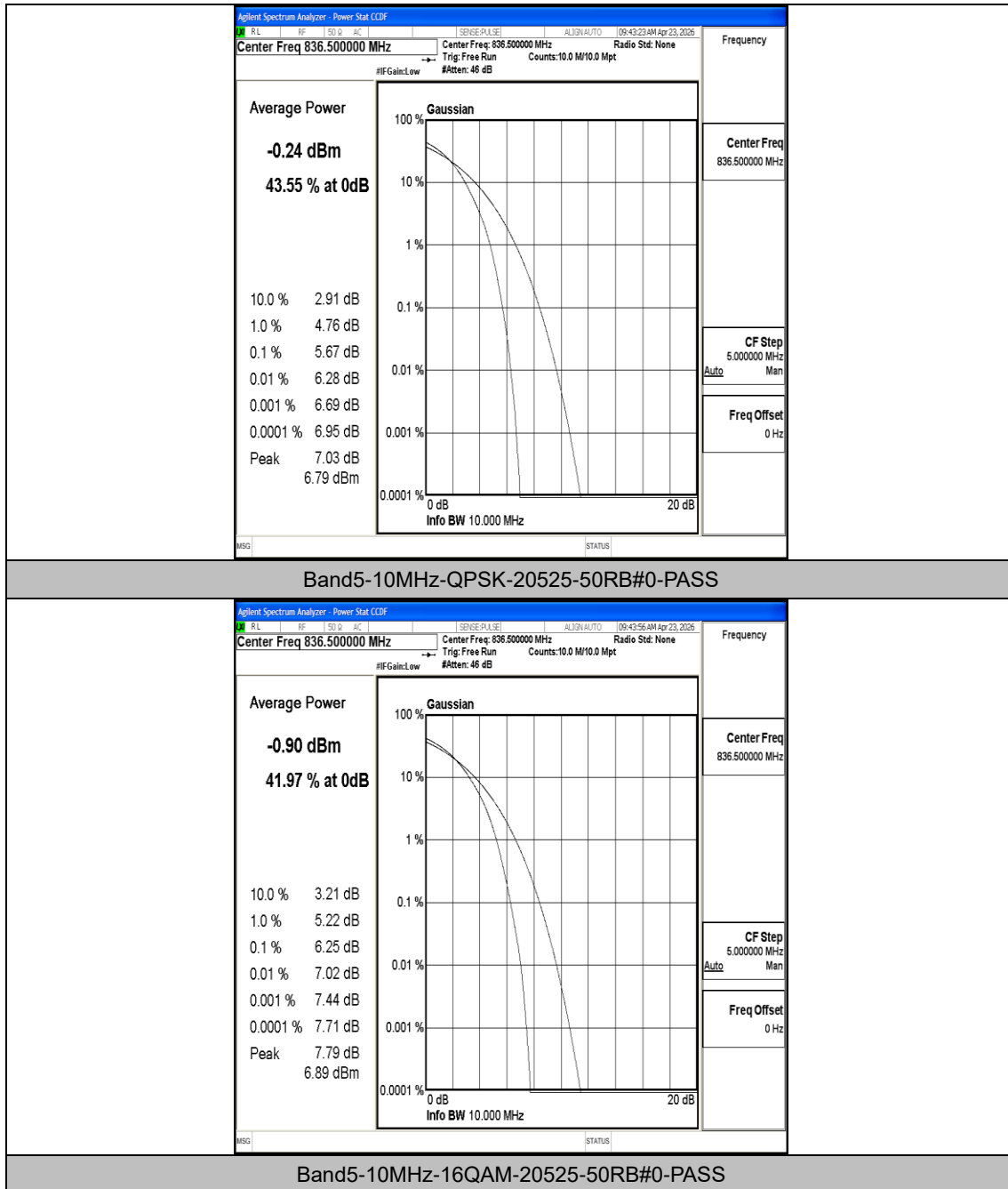


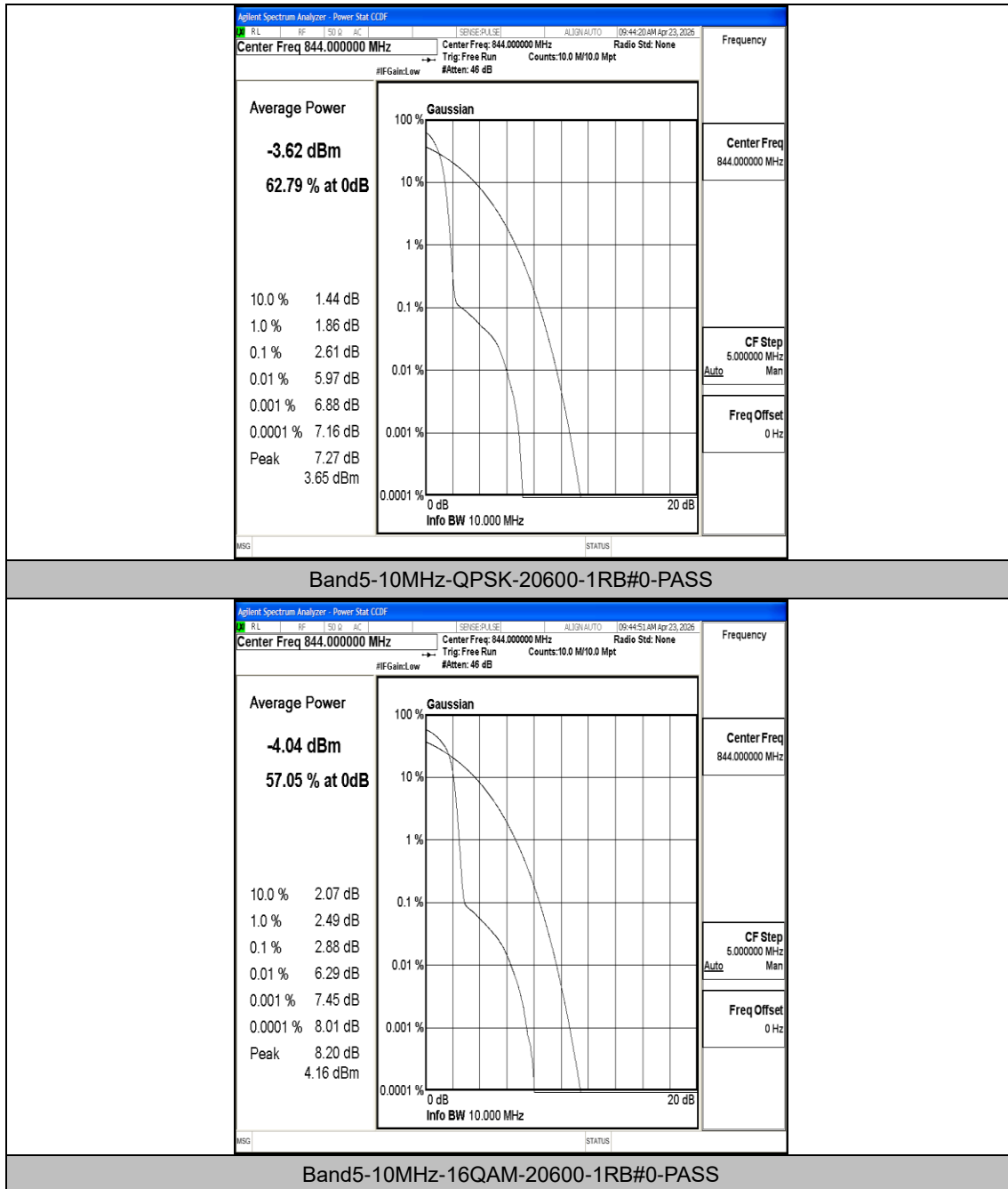


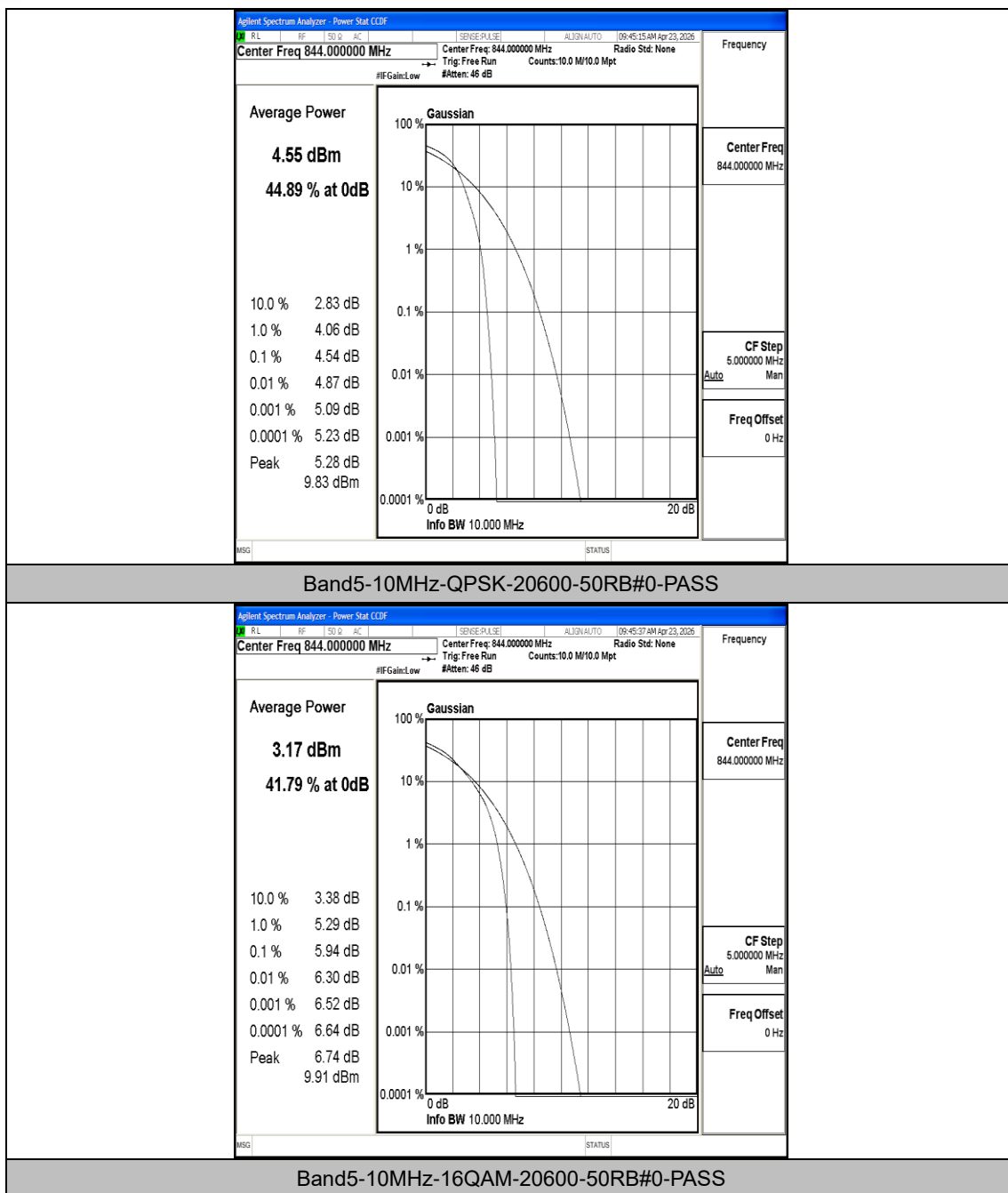










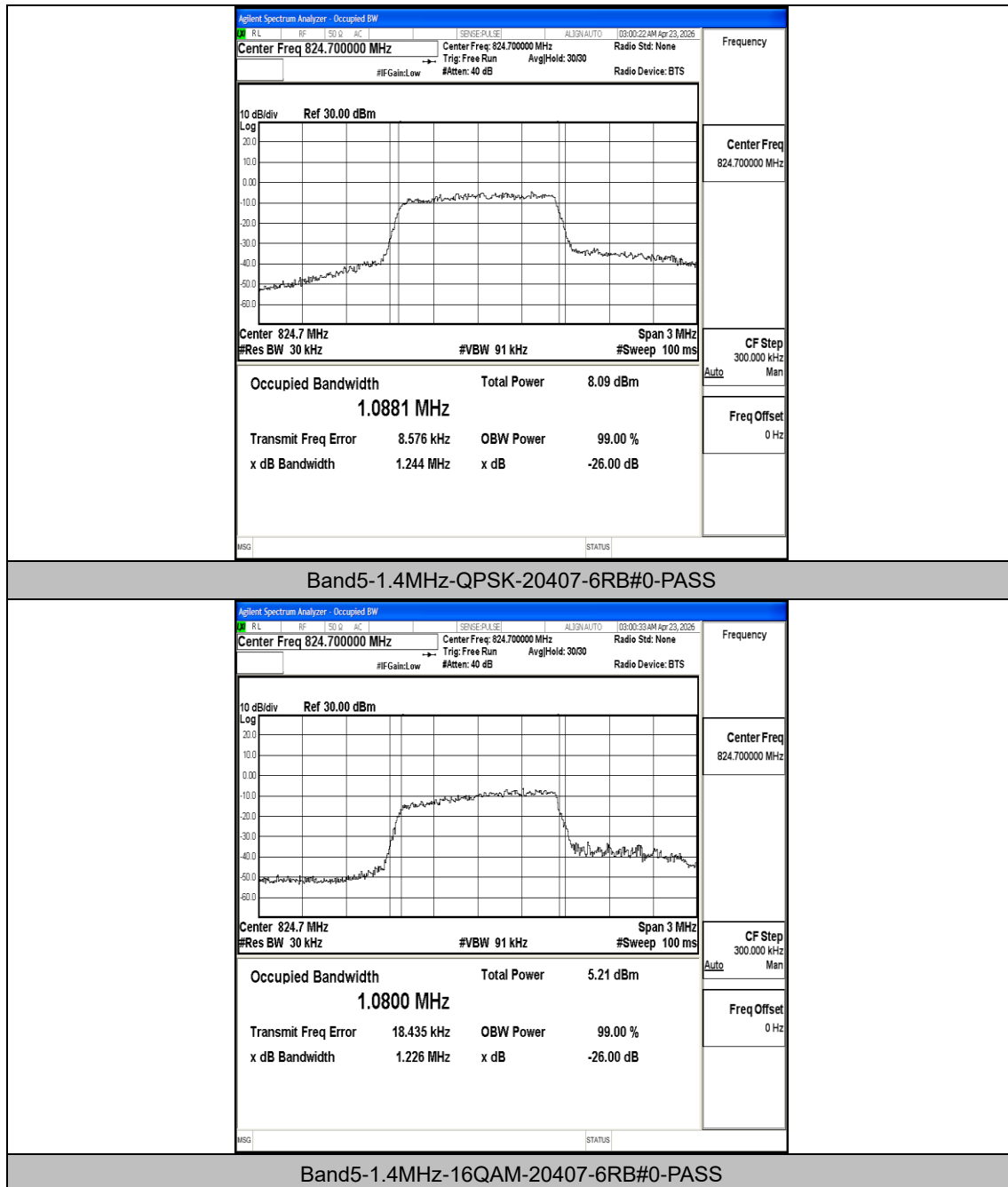


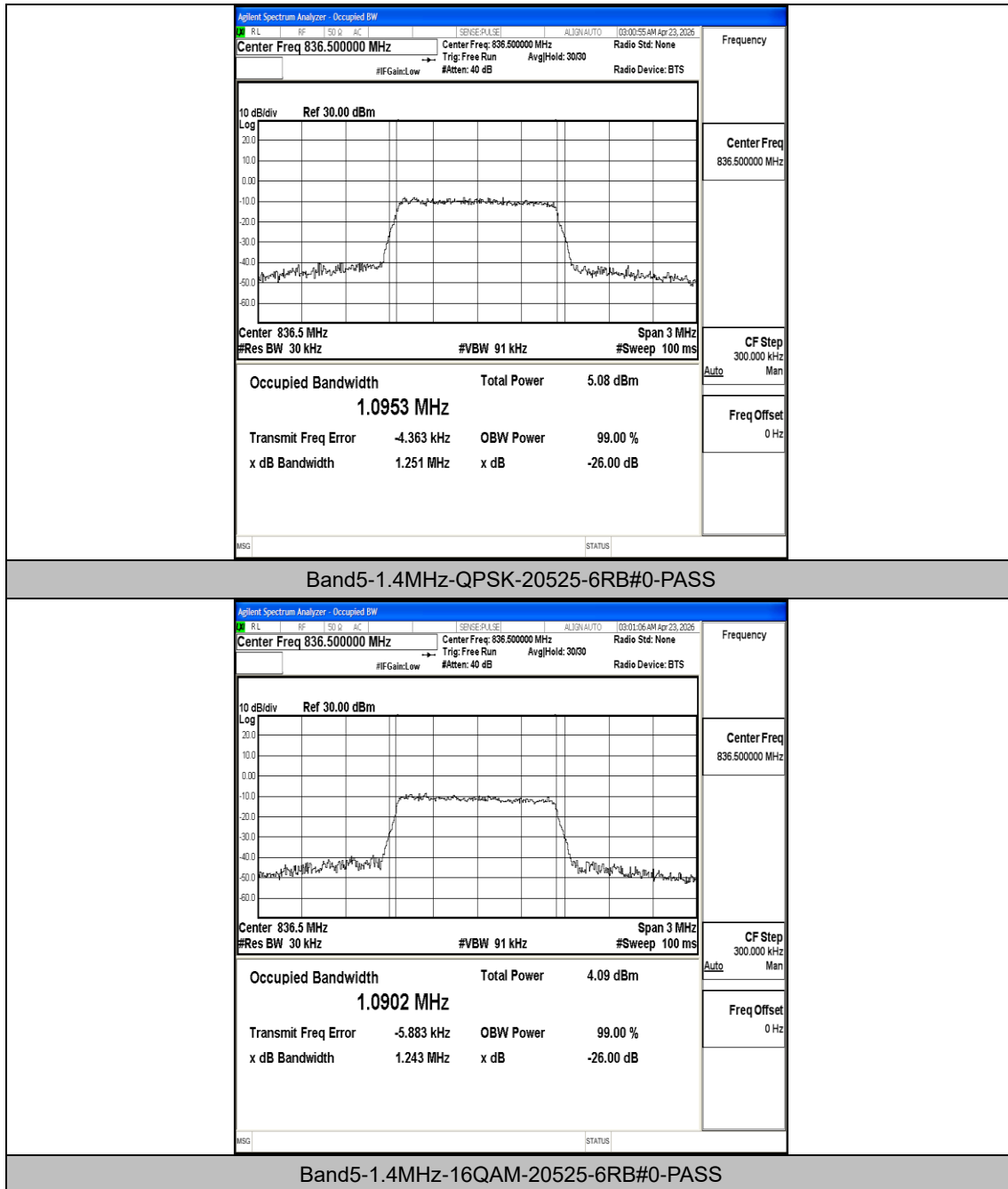
2 26dB Bandwidth and Occupied Bandwidth

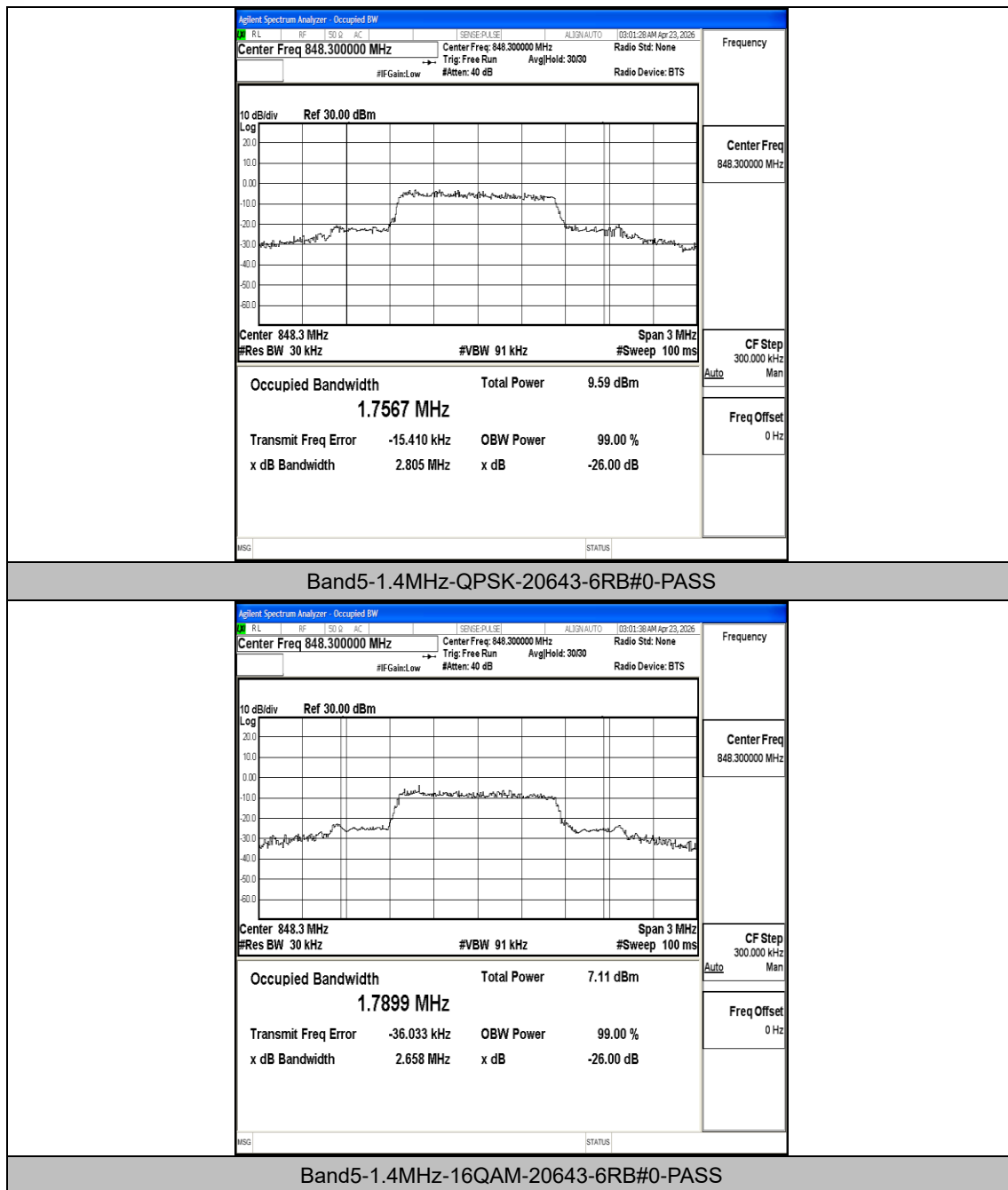
Test Result

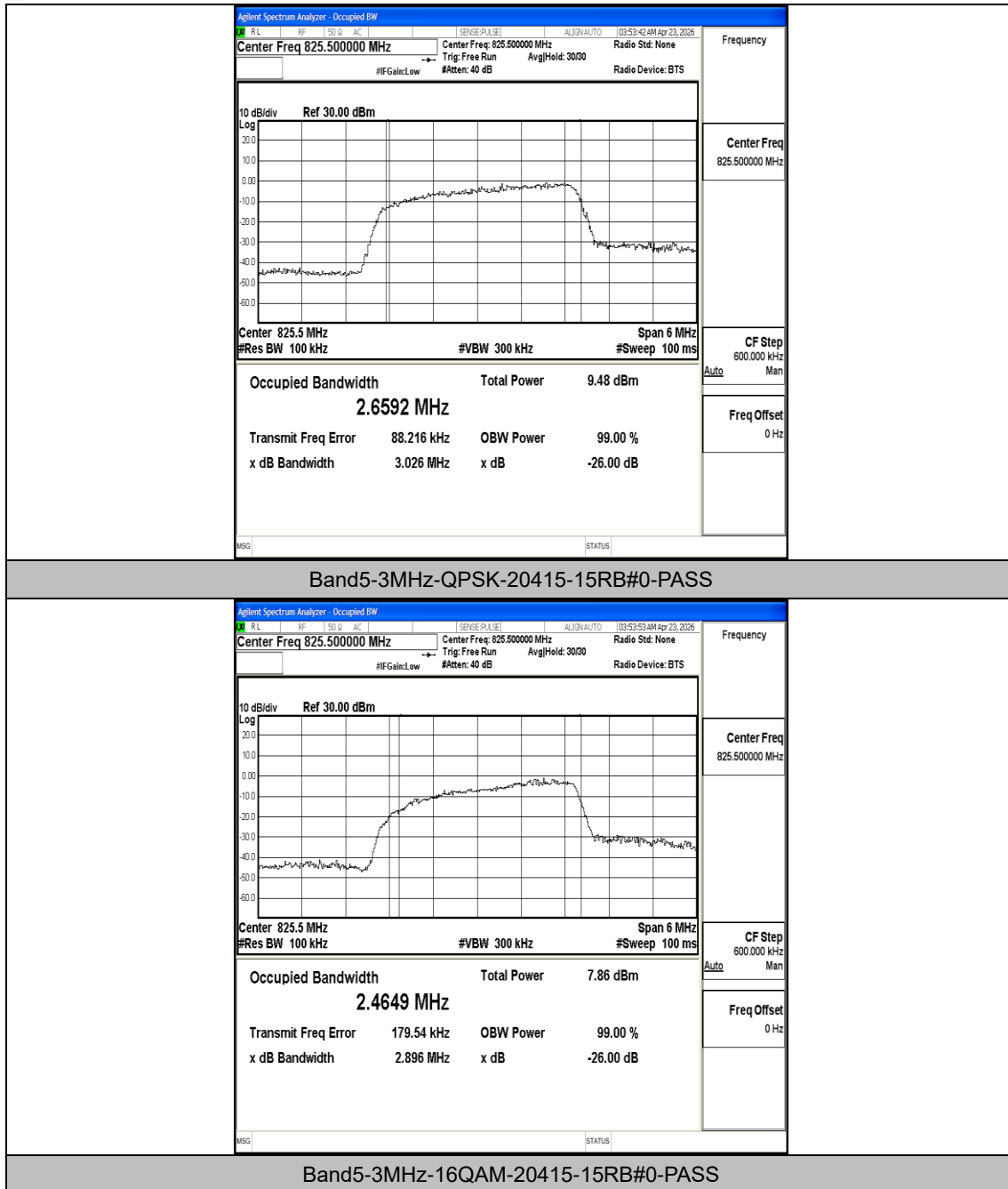
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0881	1.244	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0800	1.226	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0953	1.251	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0902	1.243	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.7567	2.805	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.7899	2.658	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6592	3.026	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.4649	2.896	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7465	3.068	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7489	3.104	PASS
Band5	3MHz	QPSK	20635	15RB#0	3.3059	6.000	PASS
Band5	3MHz	16QAM	20635	15RB#0	3.4928	6.000	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4085	5.163	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.2374	5.059	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5241	4.963	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5399	5.000	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.9719	10.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.4926	10.00	PASS
Band5	10MHz	QPSK	20450	50RB#0	7.8275	8.970	PASS
Band5	10MHz	16QAM	20450	50RB#0	7.8283	8.970	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.1955	11.41	PASS
Band5	10MHz	16QAM	20525	50RB#0	9.1892	11.86	PASS
Band5	10MHz	QPSK	20600	50RB#0	9.9223	17.49	PASS
Band5	10MHz	16QAM	20600	50RB#0	9.6969	18.57	PASS

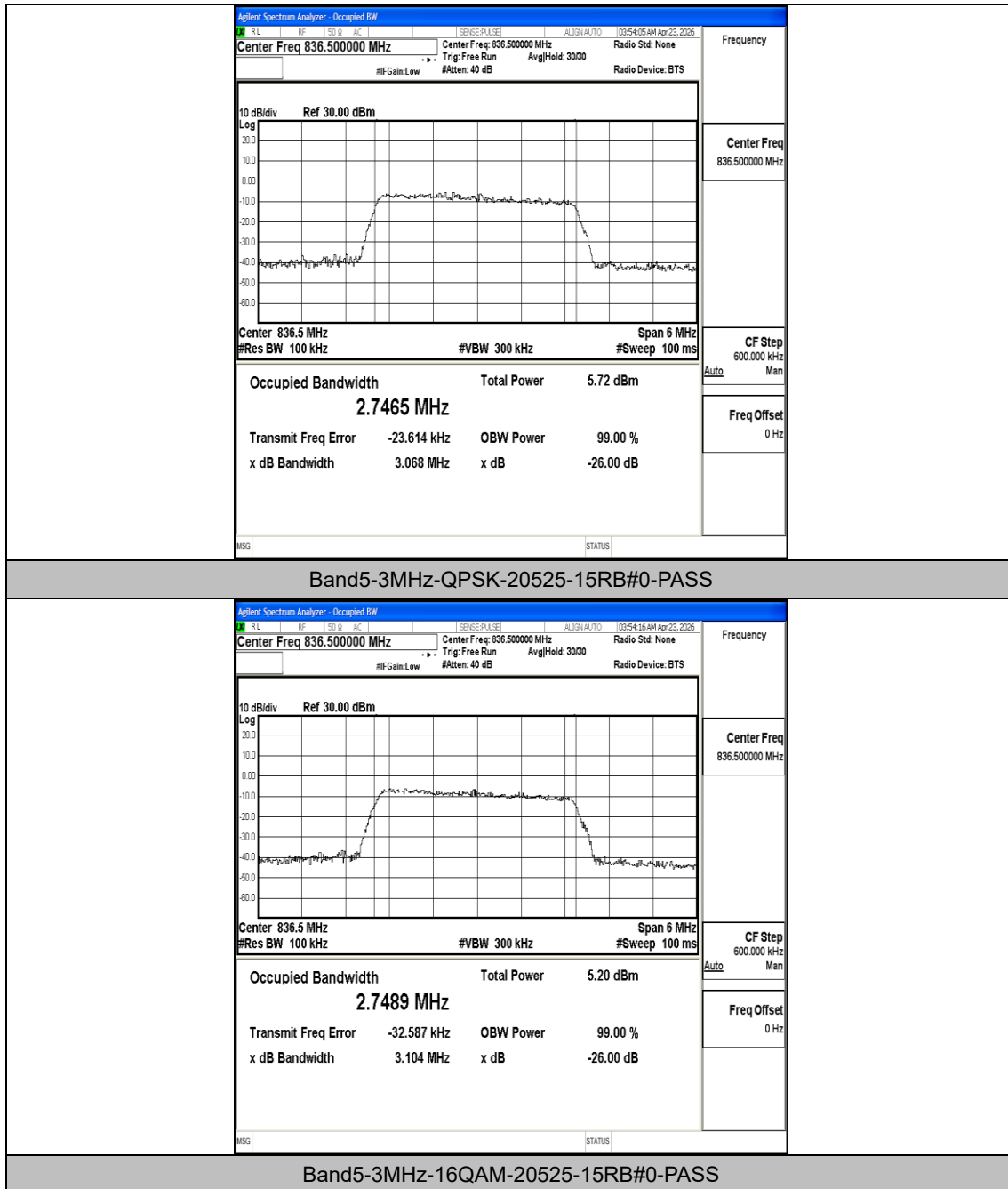
Test Graphs

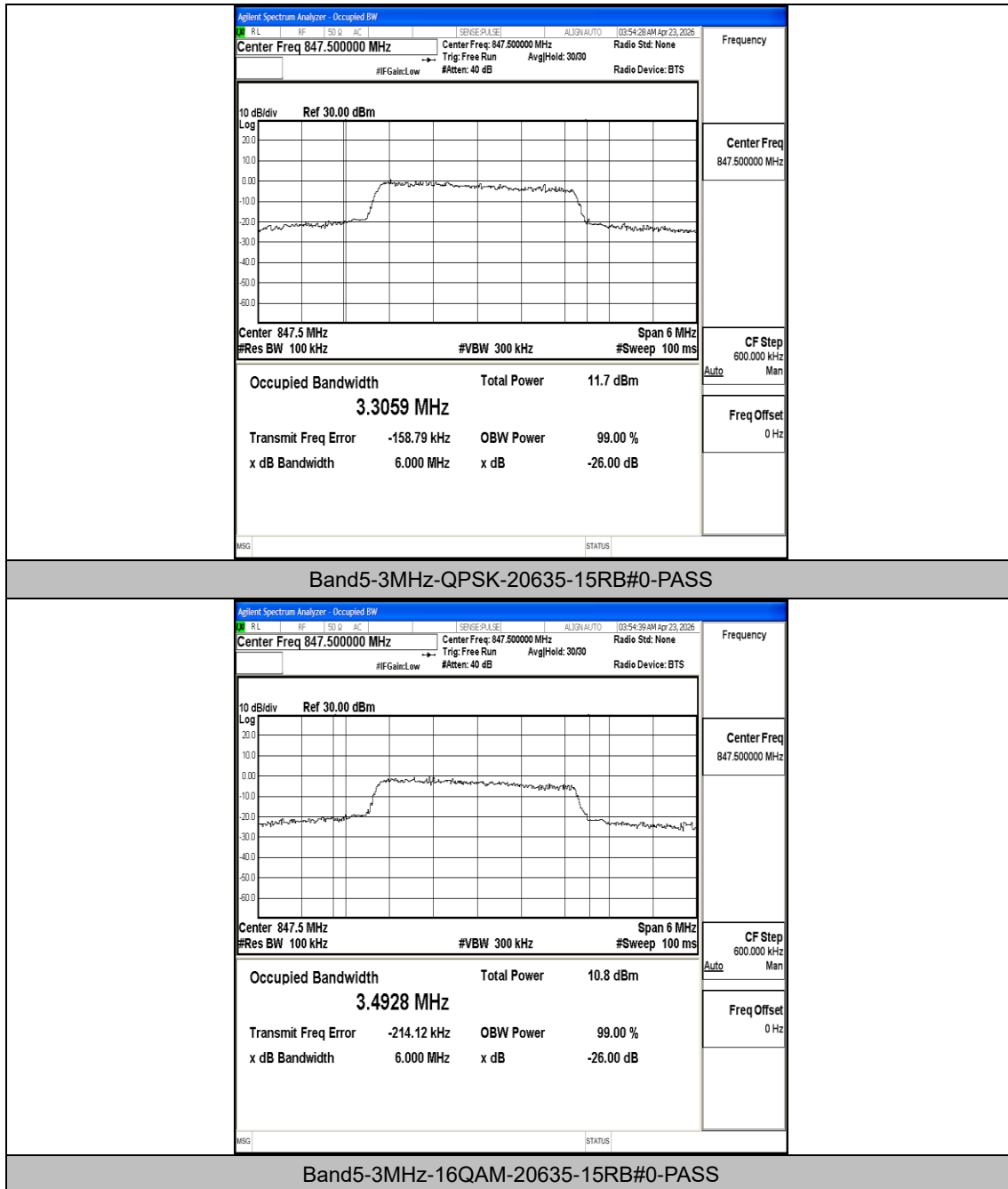


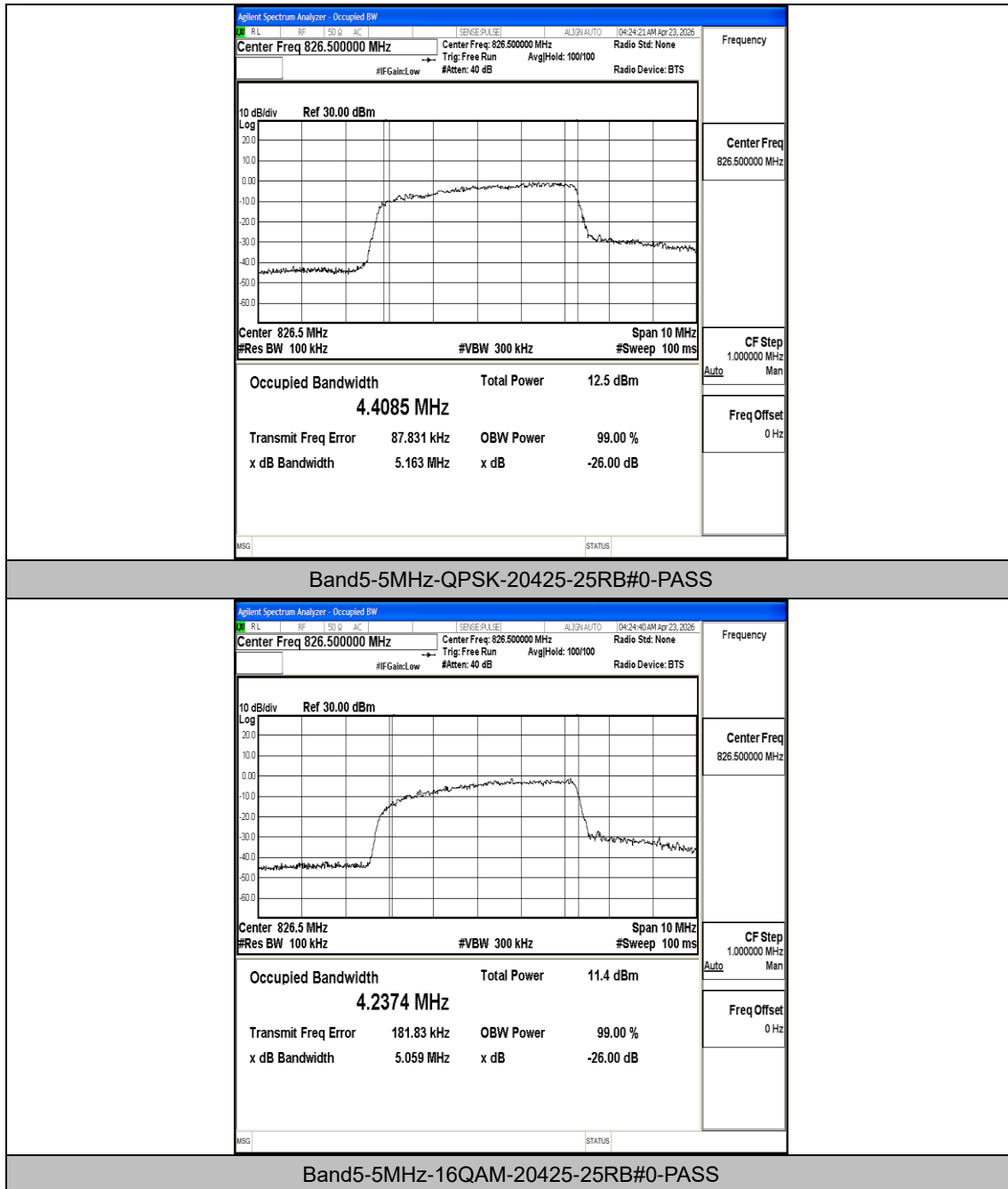


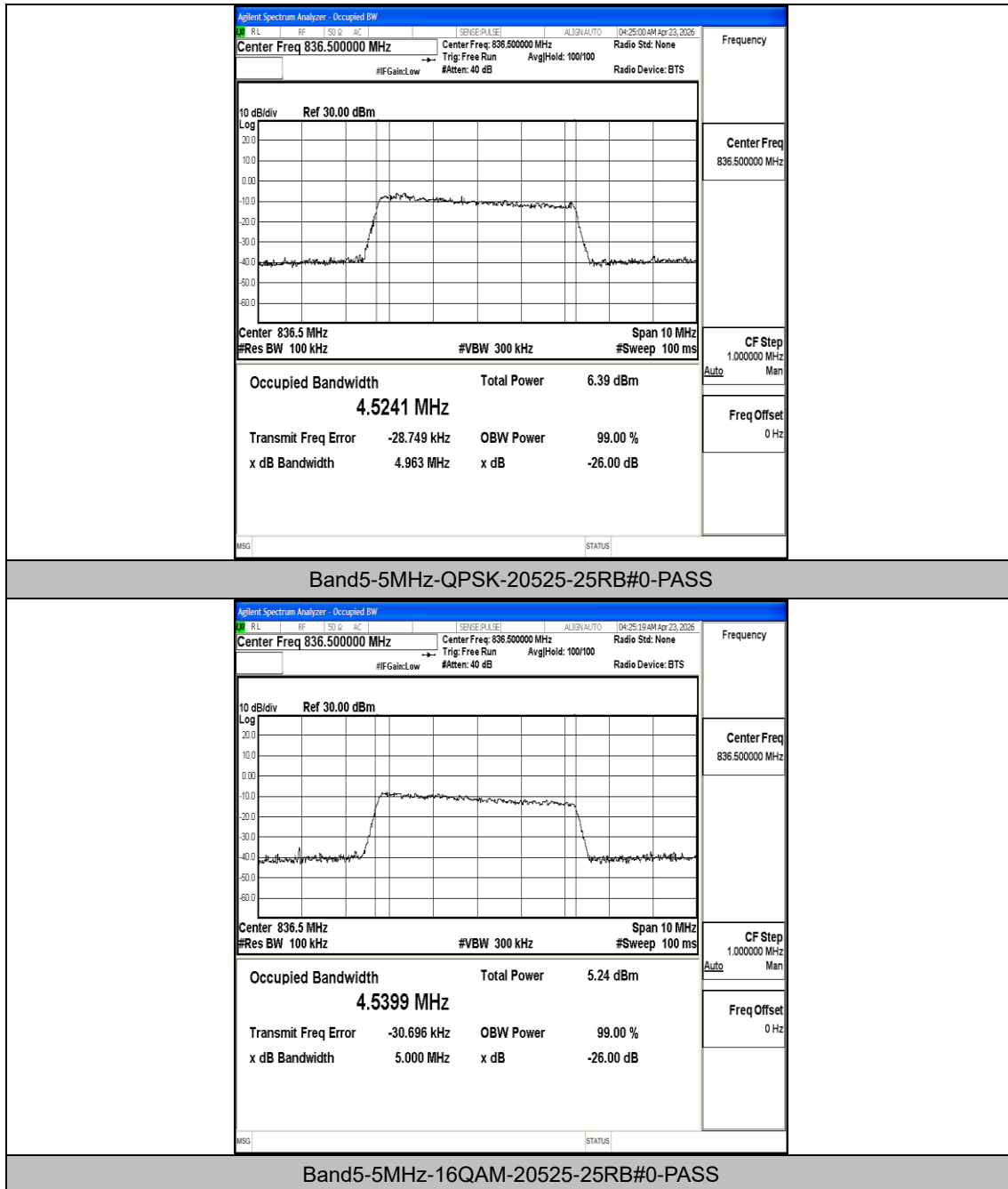


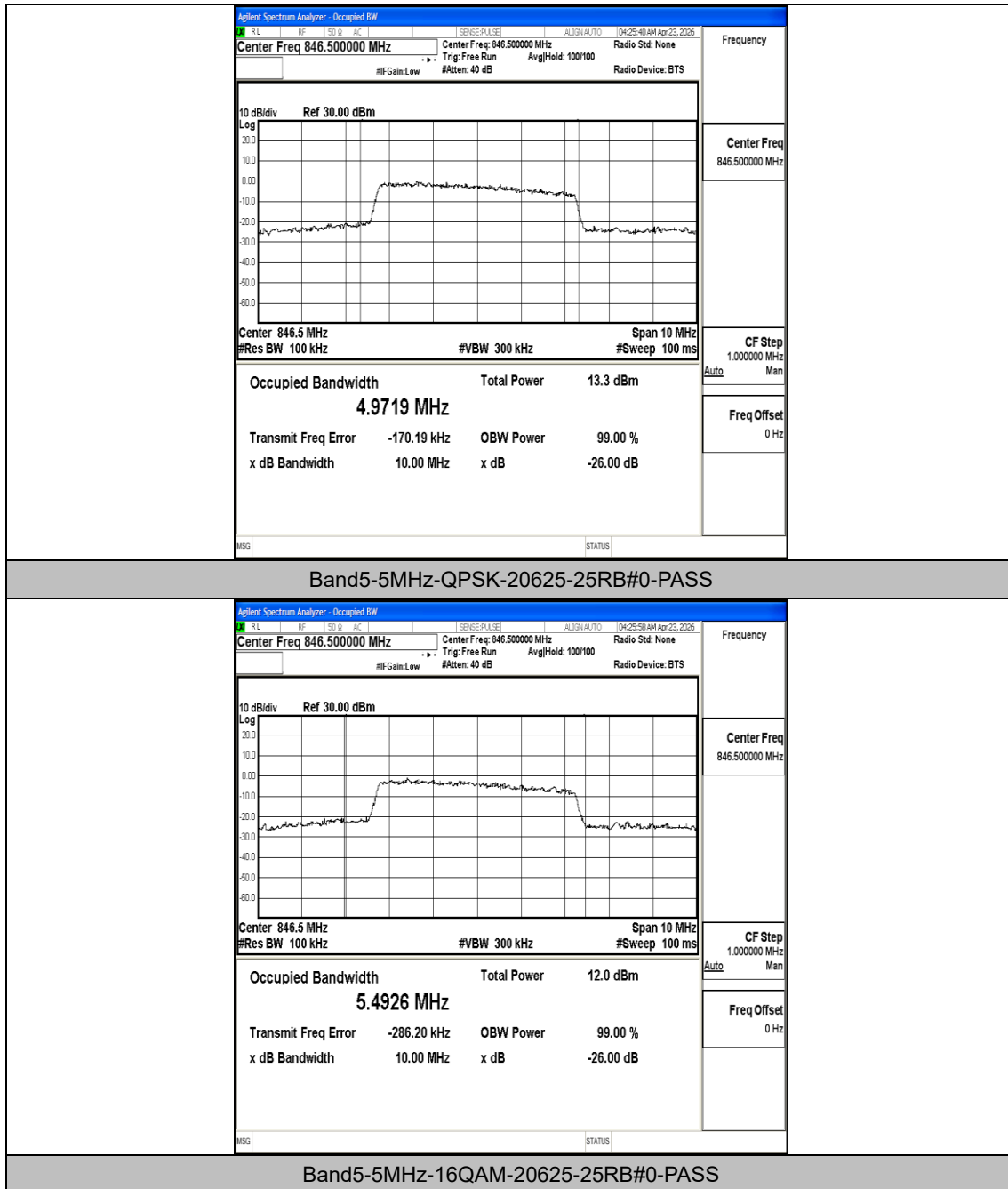


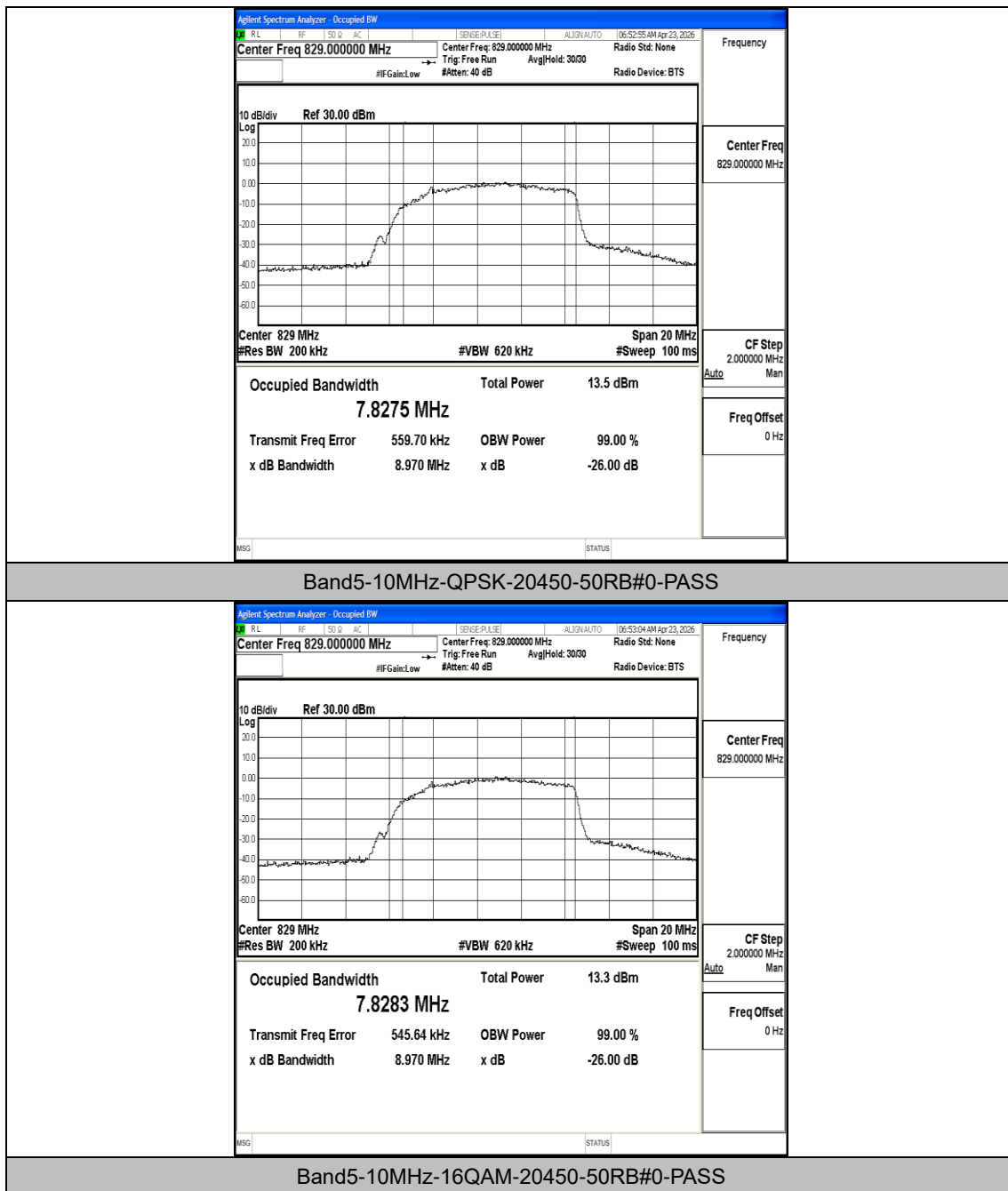


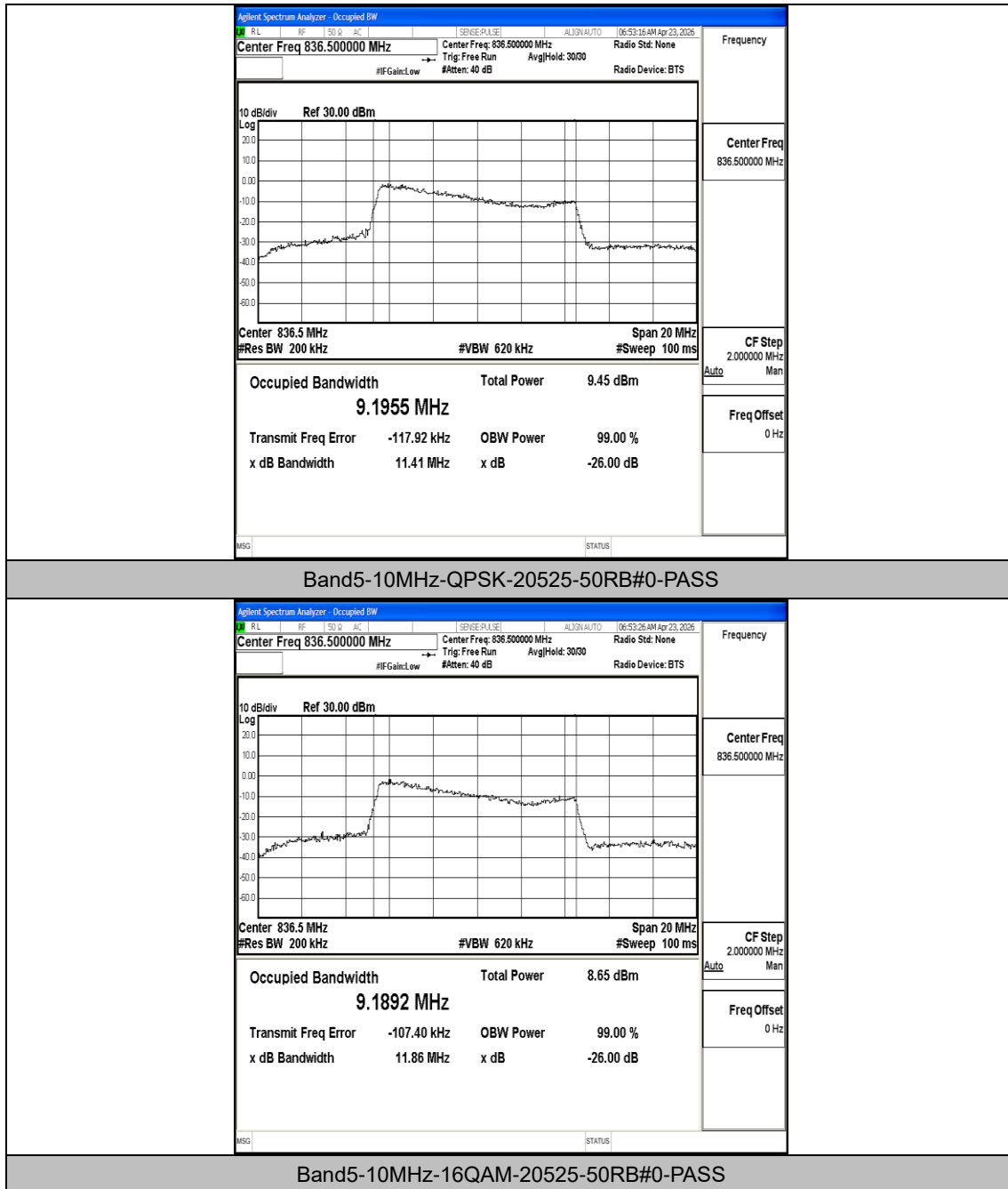


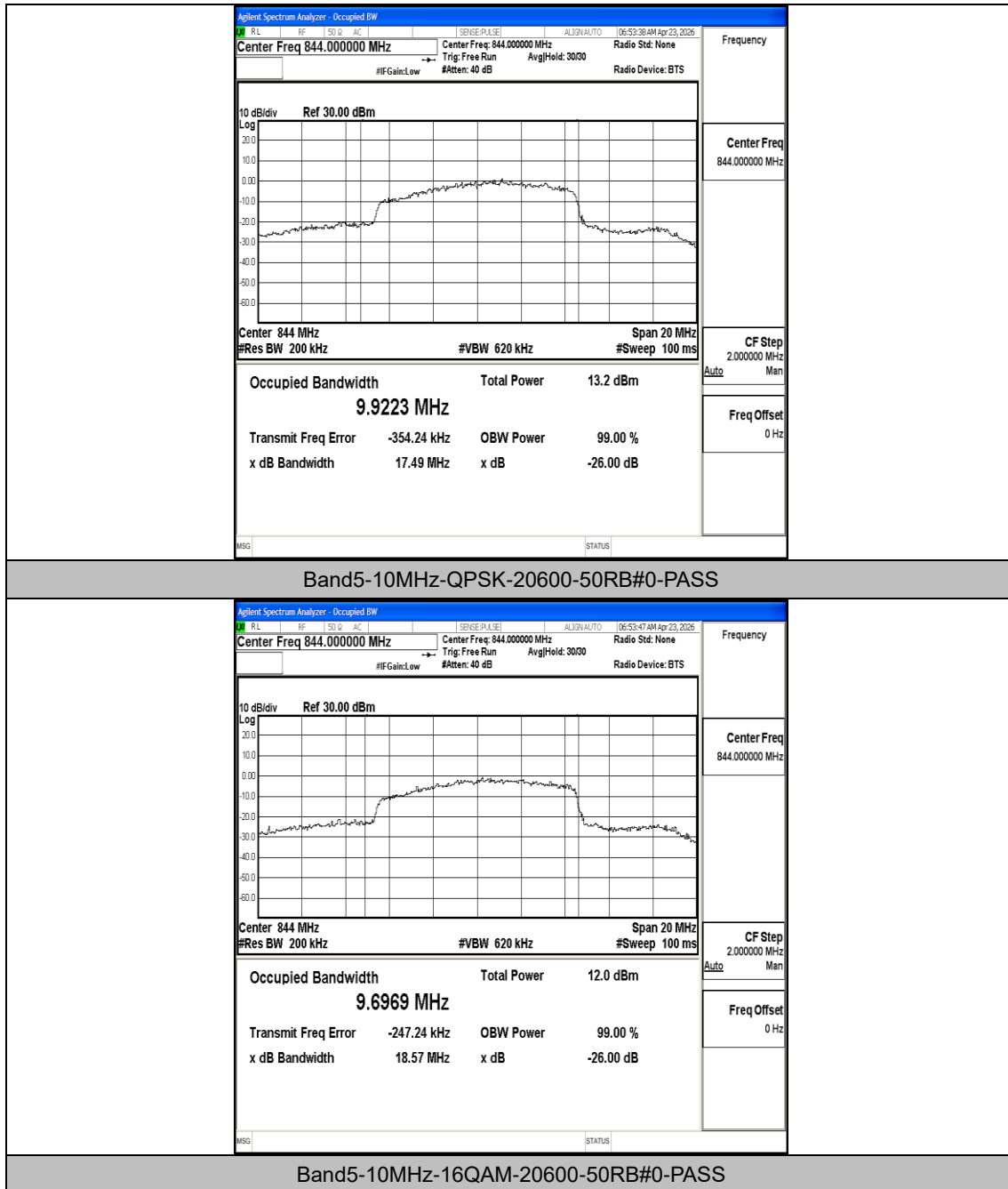










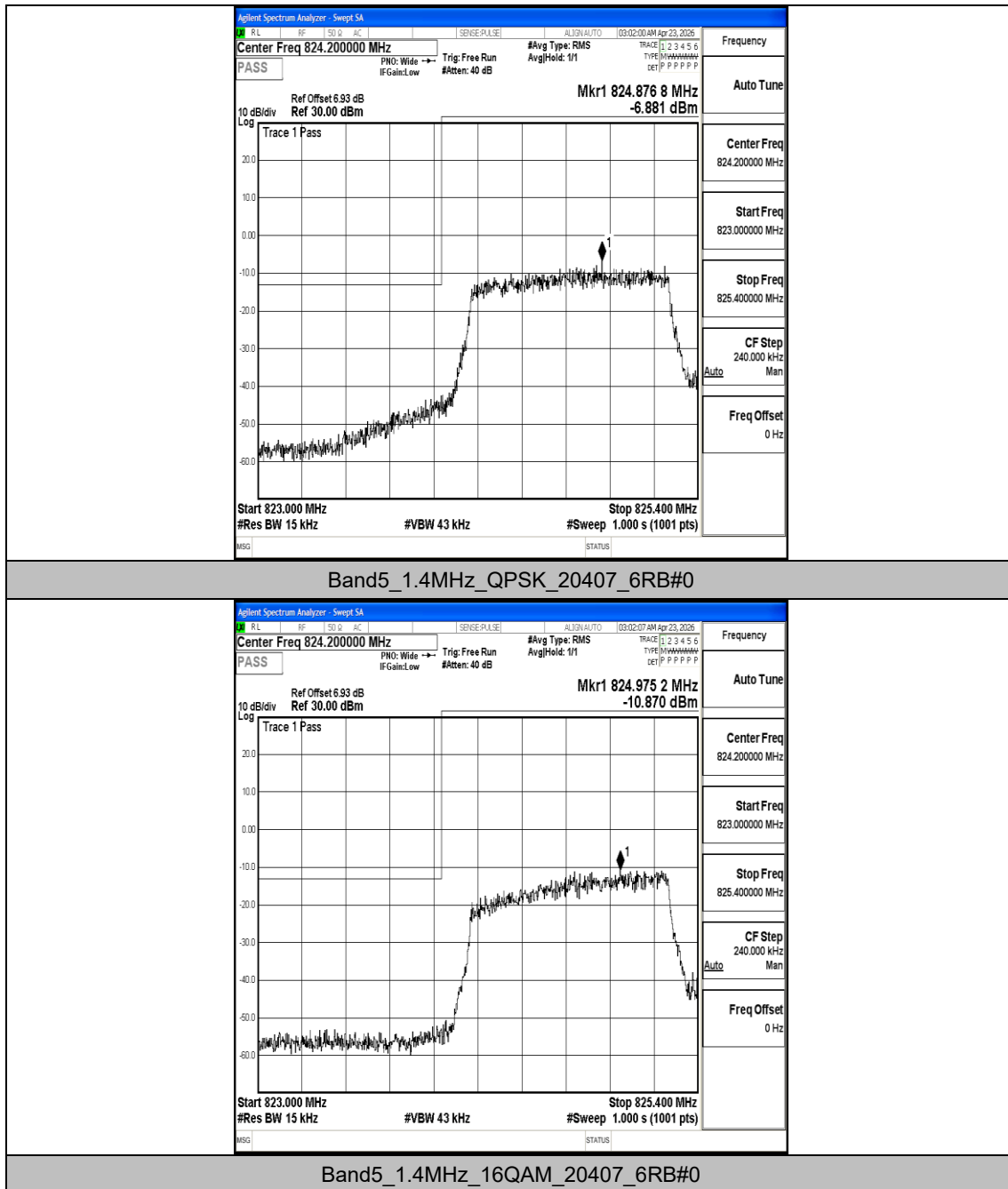


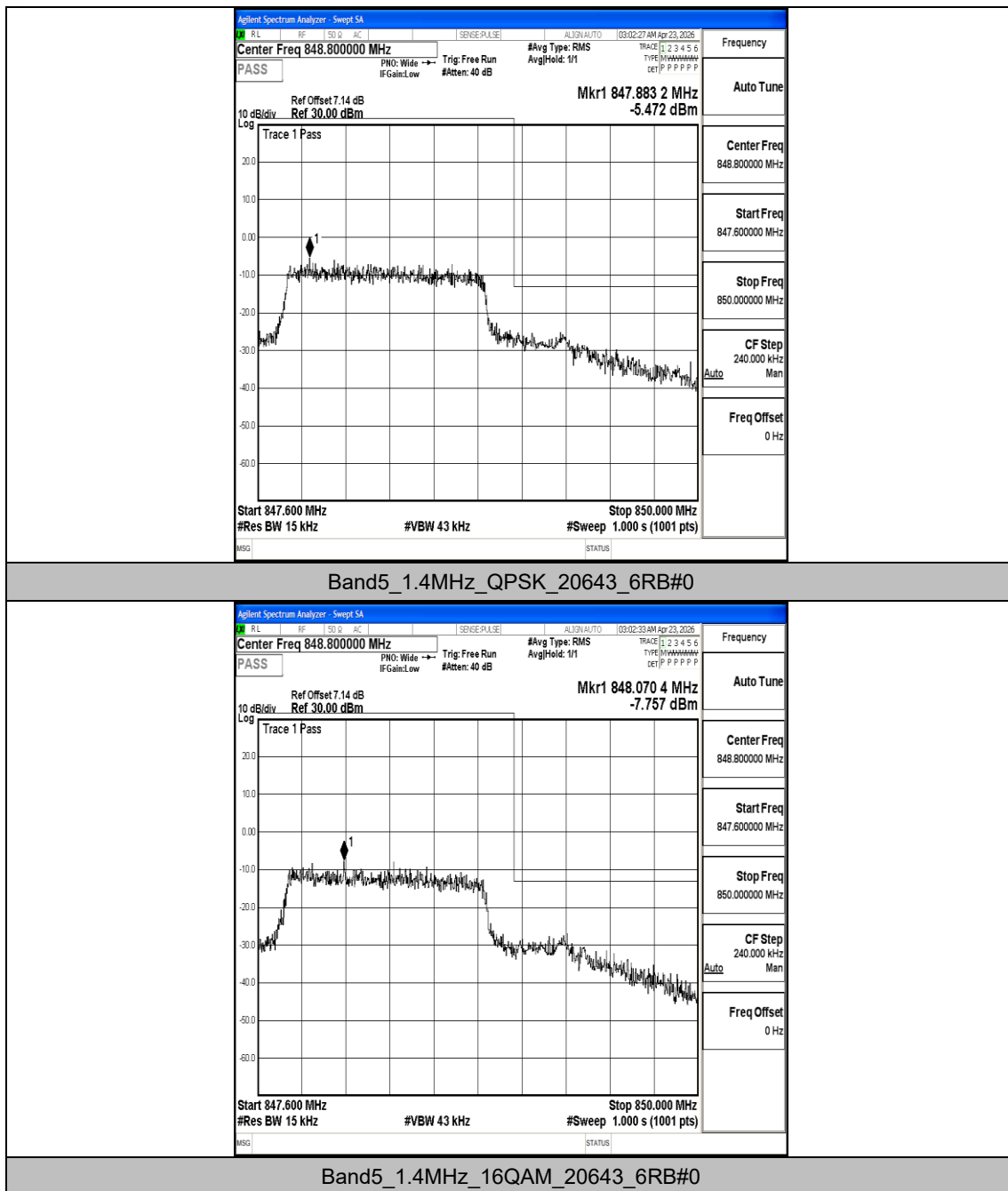
3 Band Edge

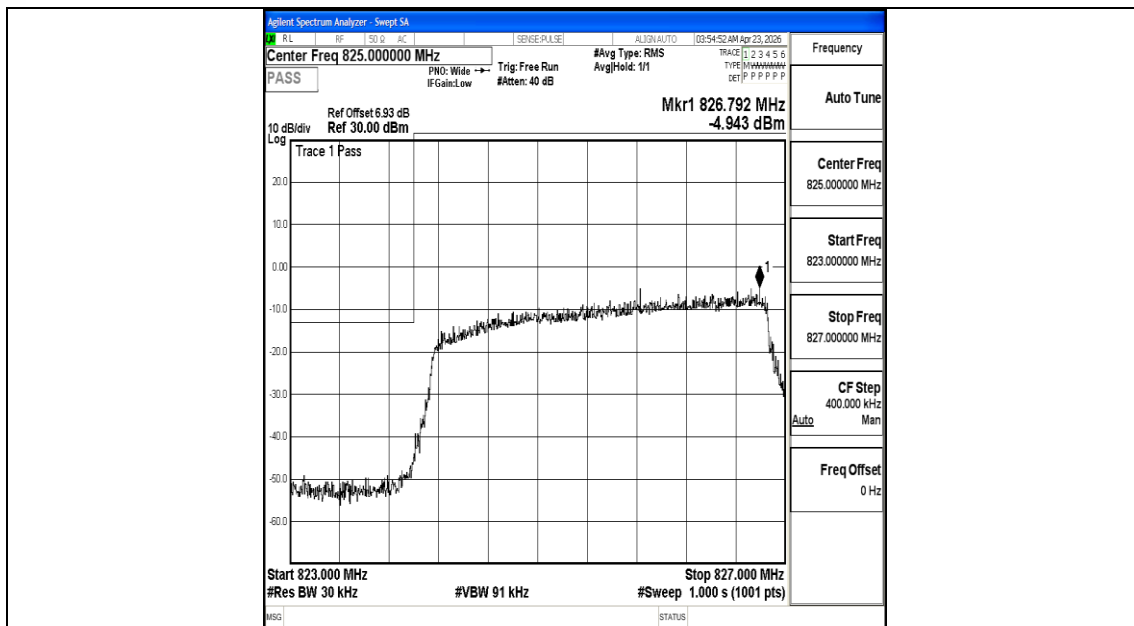
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	823.95	-43.48	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.98	-52.10	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.25	-25.15	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.29	-26.84	PASS
Band5	3MHz	QPSK	20415	15RB#0	824.00	-45.04	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.66	-48.83	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.42	-24.02	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.01	-25.15	PASS
Band5	5MHz	QPSK	20425	25RB#0	823.99	-43.84	PASS
Band5	5MHz	16QAM	20425	25RB#0	823.59	-46.16	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.69	-24.84	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.69	-24.64	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.55	-42.50	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.85	-42.38	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.38	-23.03	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.38	-24.11	PASS

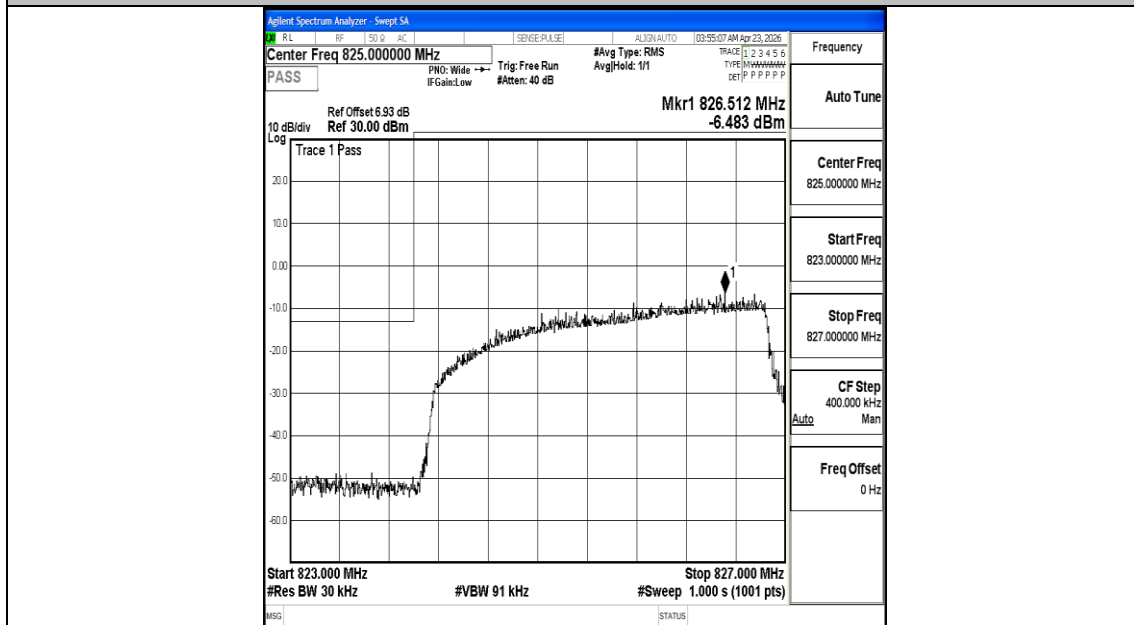
Test Graphs



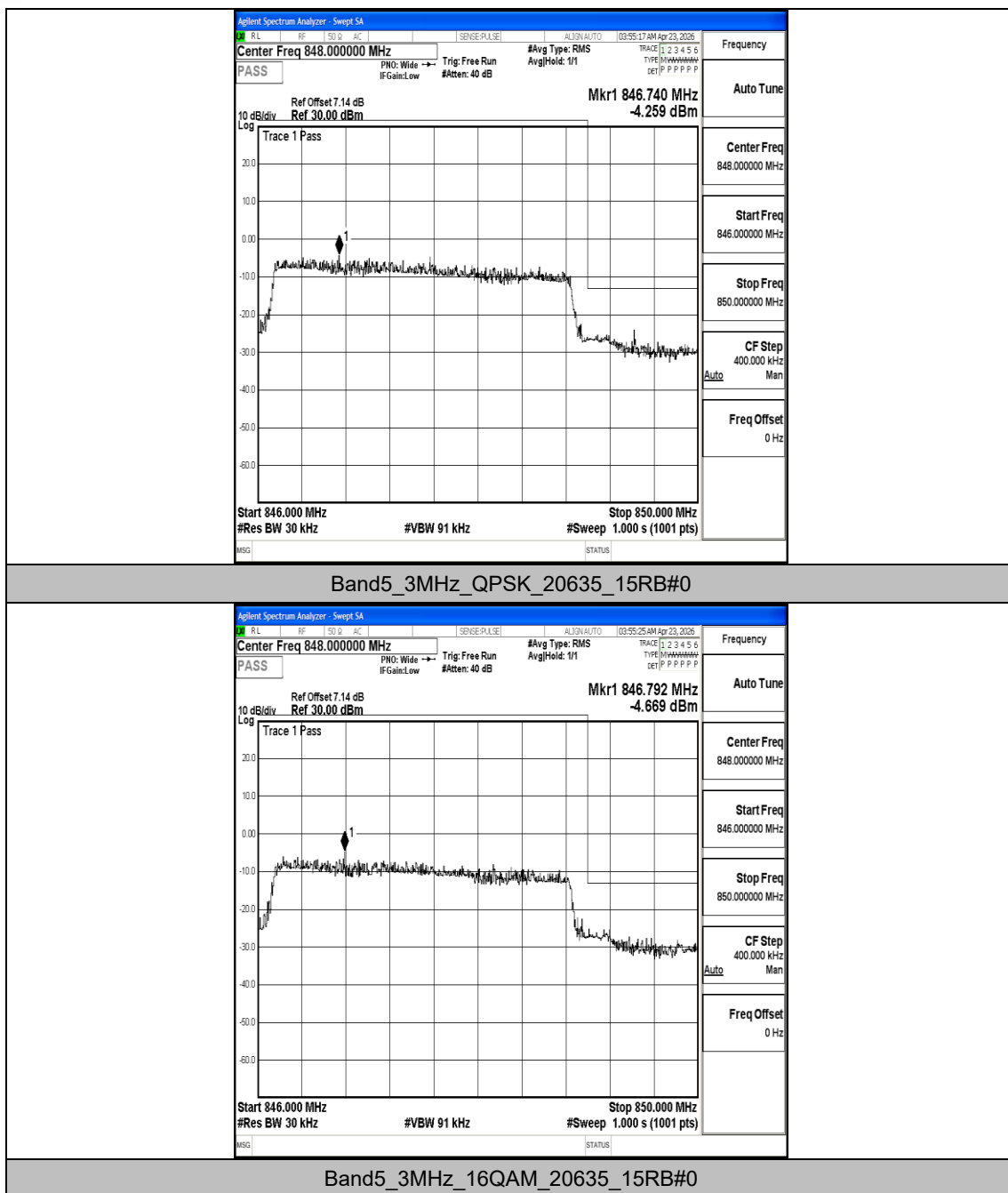


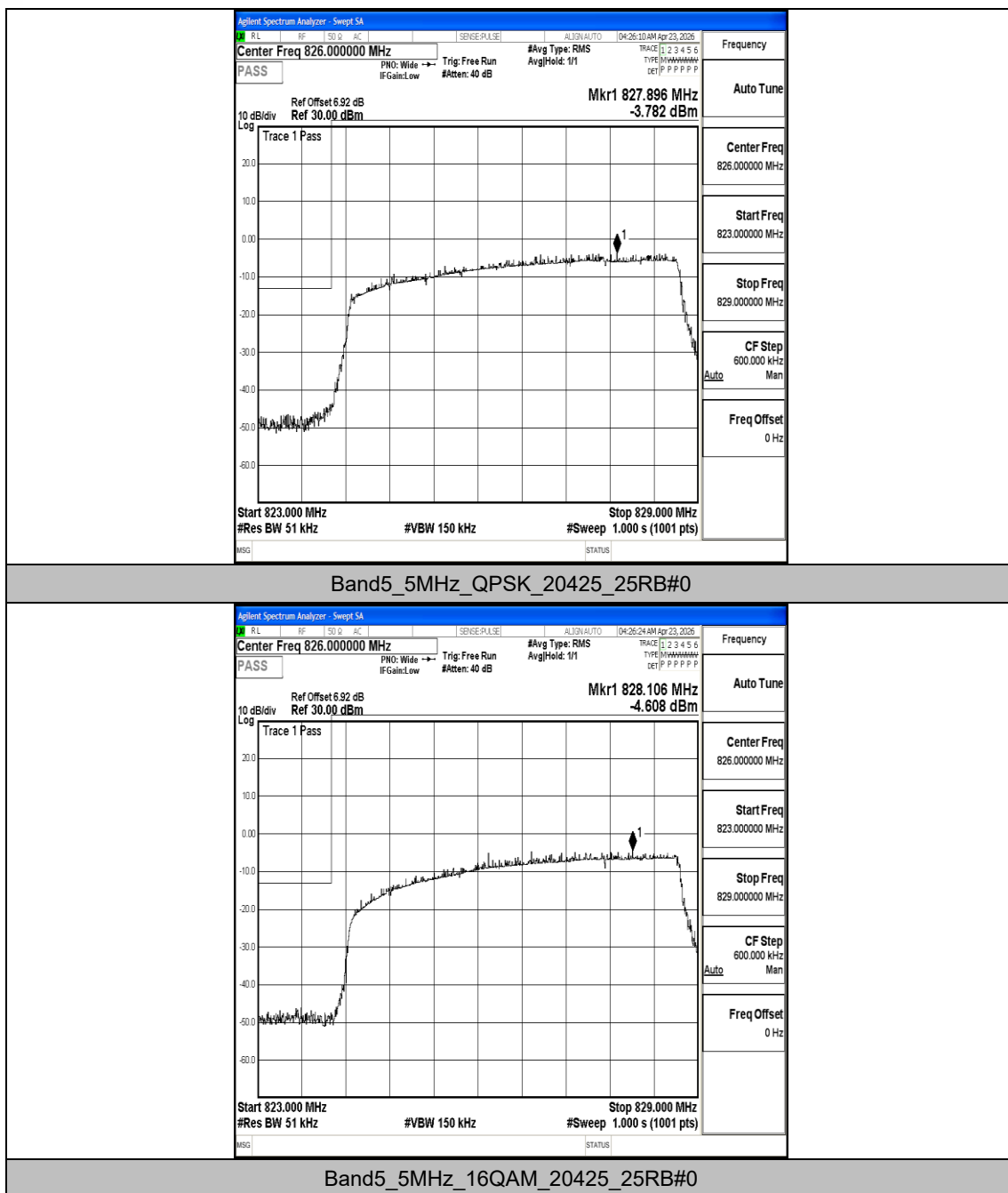


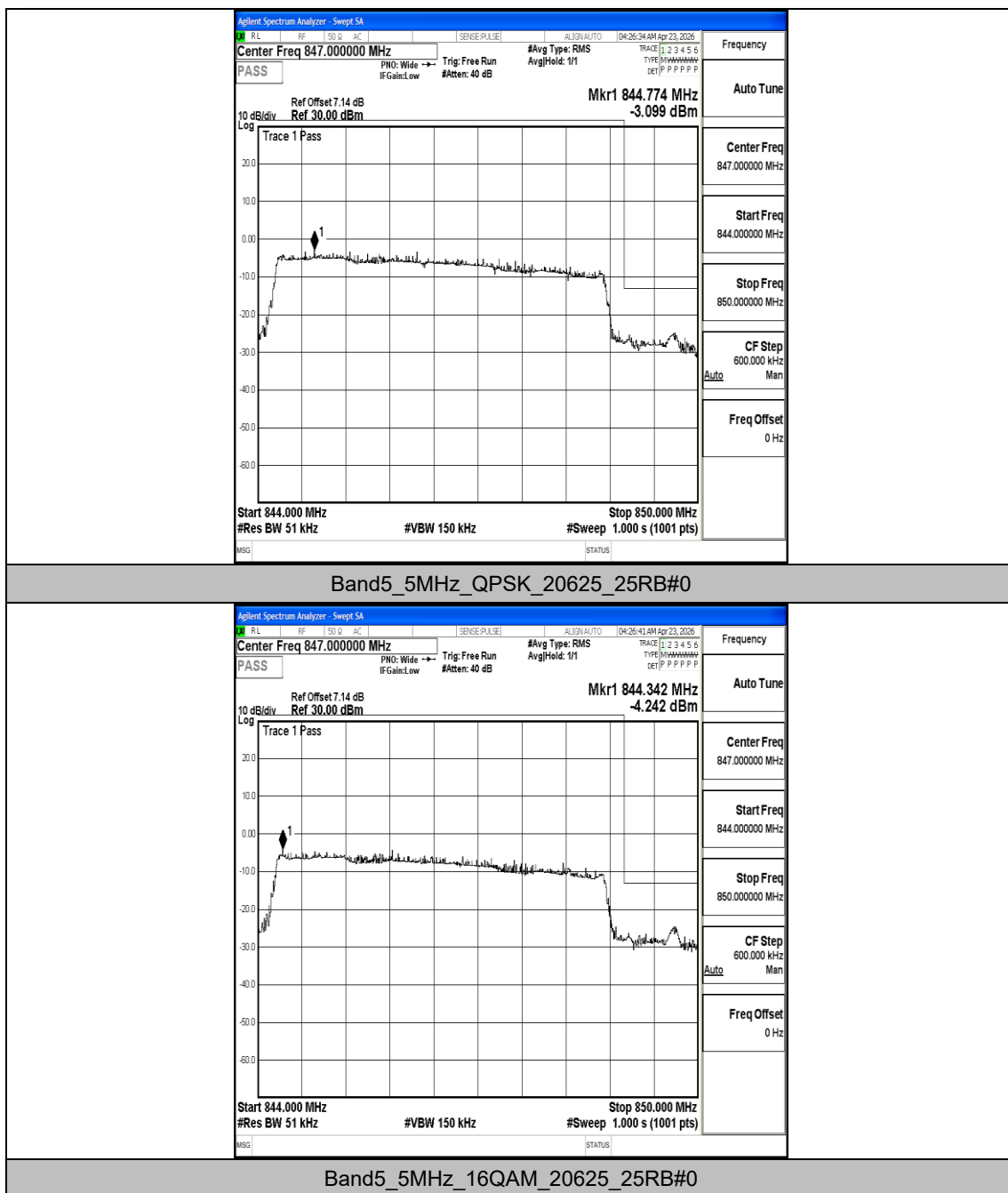
Band5_3MHz_QPSK_20415_15RB#0

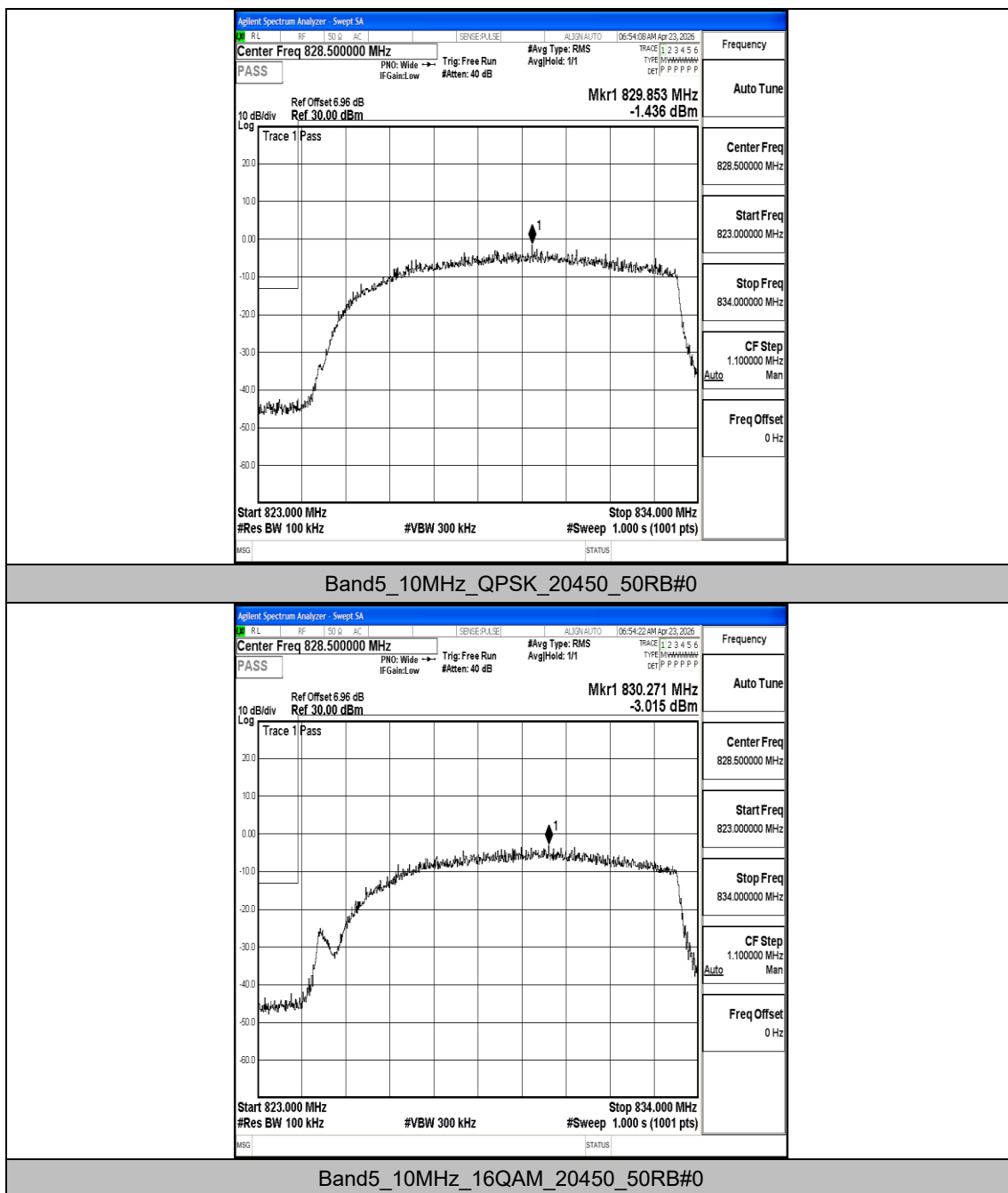


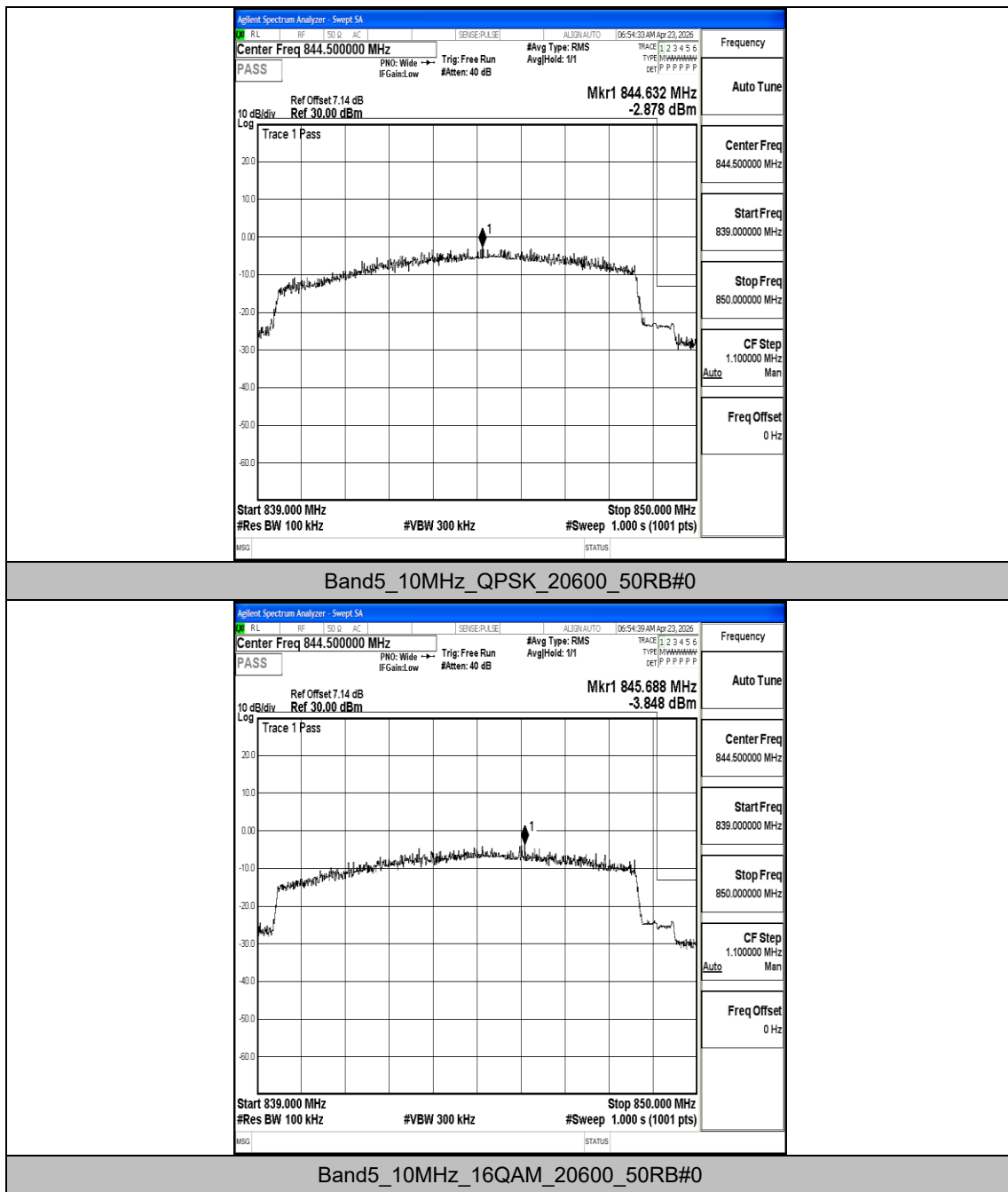
Band5_3MHz_16QAM_20415_15RB#0











4 Conducted Spurious Emission

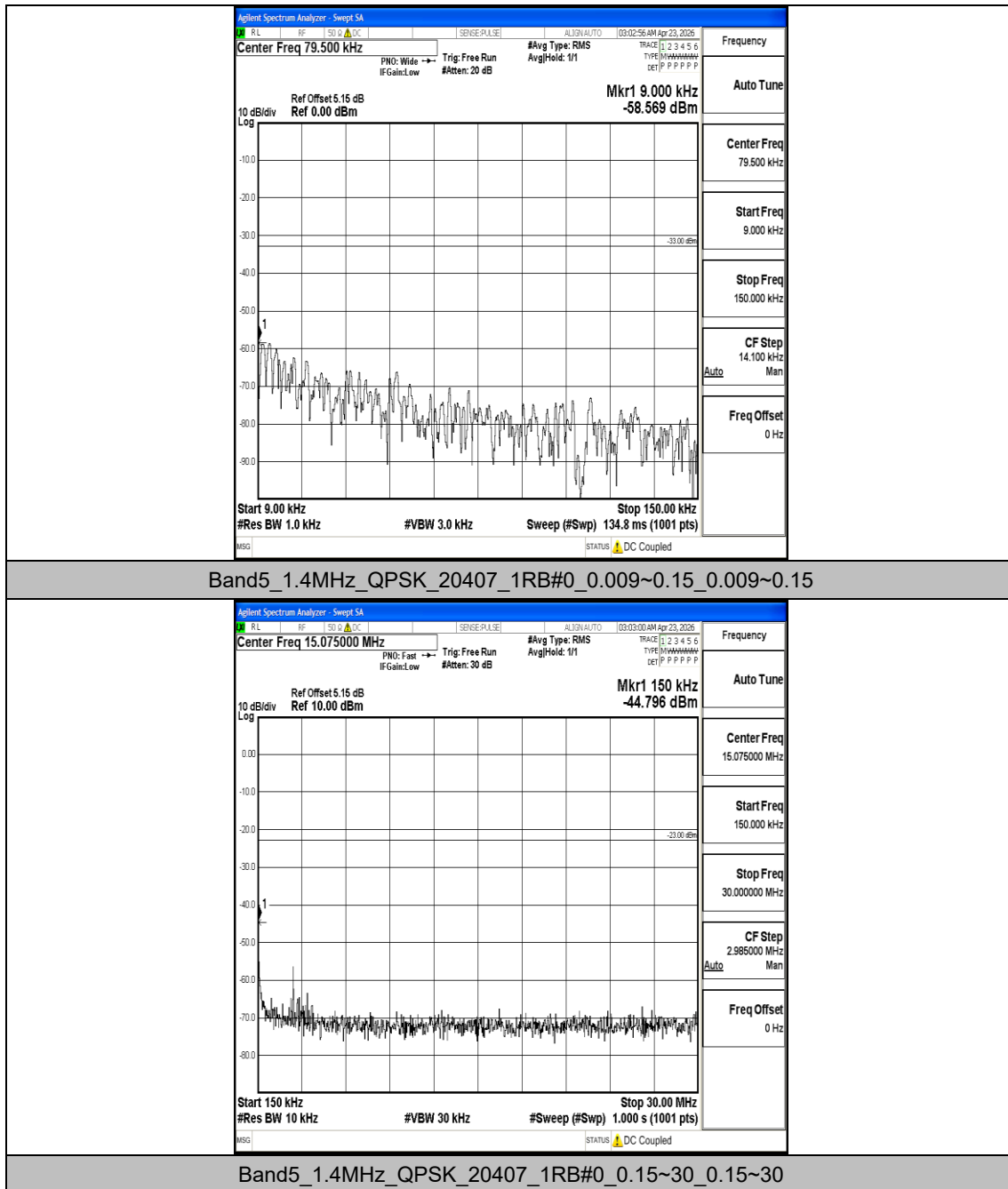
Test Result

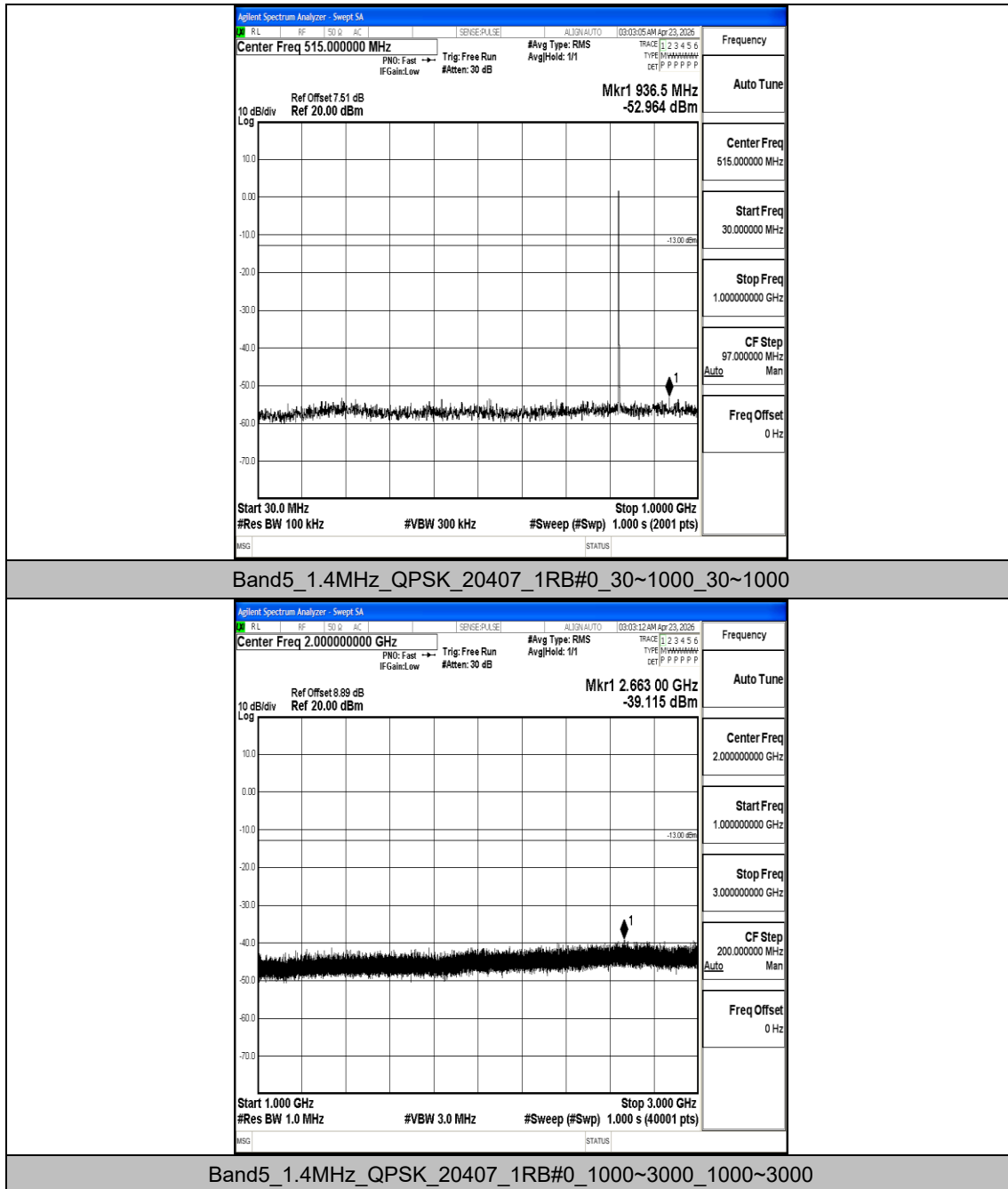
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-58.57	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-44.80	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-52.96	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-39.12	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-34.81	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-55.42	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-47.07	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-53.16	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-39.11	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-35.47	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-55.58	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-45.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-52.93	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-39.16	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-35.68	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-59.46	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-47.57	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-53.17	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-39.12	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-35.30	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-58.11	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-45.63	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-52.64	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-38.85	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-35.41	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-57.17	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-44.83	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-52.16	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-38.61	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-35.20	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-55.38	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-44.48	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-52.54	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-38.53	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-35.26	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-56.88	PASS

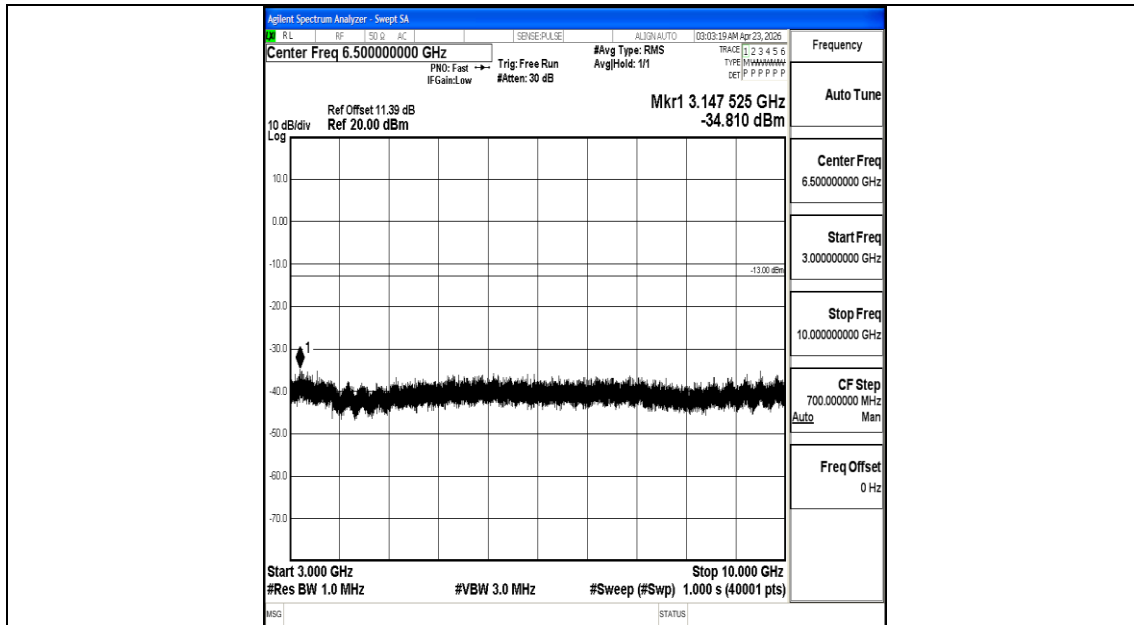
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-47.67	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-53.09	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-38.89	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-35.86	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-57.69	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-44.29	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-53.53	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-39.07	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-35.25	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-53.90	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-46.85	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-52.64	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-38.46	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-34.54	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-56.18	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-44.31	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-53.22	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-39.21	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-35.31	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-55.97	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-44.92	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-51.16	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-39.30	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-34.71	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-58.51	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-46.76	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-52.95	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-39.33	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-35.10	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-56.48	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-48.01	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-52.87	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-38.91	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-34.31	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-56.84	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-45.42	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-52.33	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-38.83	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-35.14	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-56.70	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-44.52	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-53.23	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-39.06	PASS

Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-34.70	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-54.47	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-46.63	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-53.17	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-38.39	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-35.17	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-60.50	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-45.43	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-52.61	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-38.14	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-35.05	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-57.06	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-48.38	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-52.87	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-39.63	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-35.11	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-59.63	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-46.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-52.59	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-38.35	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-35.78	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-59.14	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-48.85	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-52.32	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-39.27	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-35.57	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-60.47	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-44.52	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-53.16	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-38.95	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-35.05	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-56.73	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-47.12	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-52.81	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-38.48	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-35.17	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-56.49	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-46.20	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-51.68	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-38.80	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-35.82	PASS

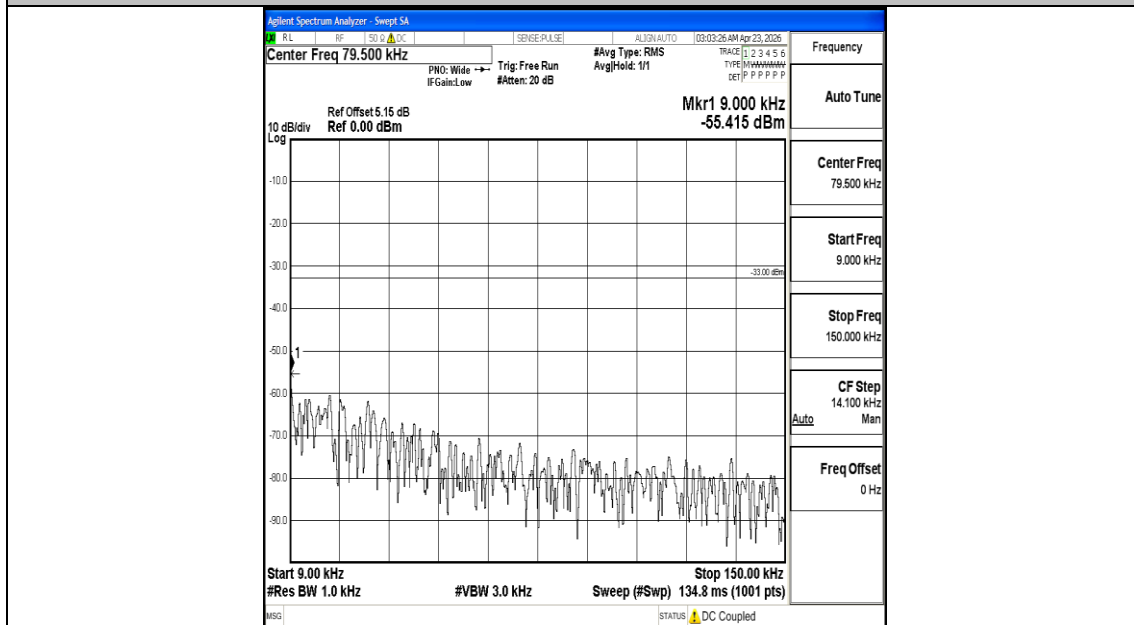
Test Graphs



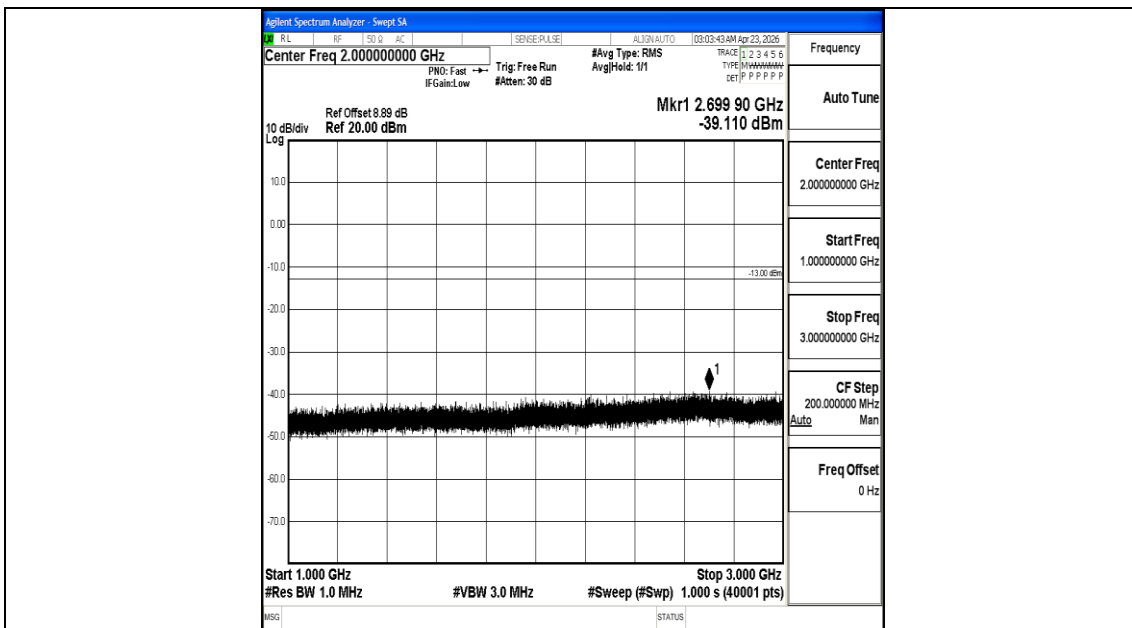




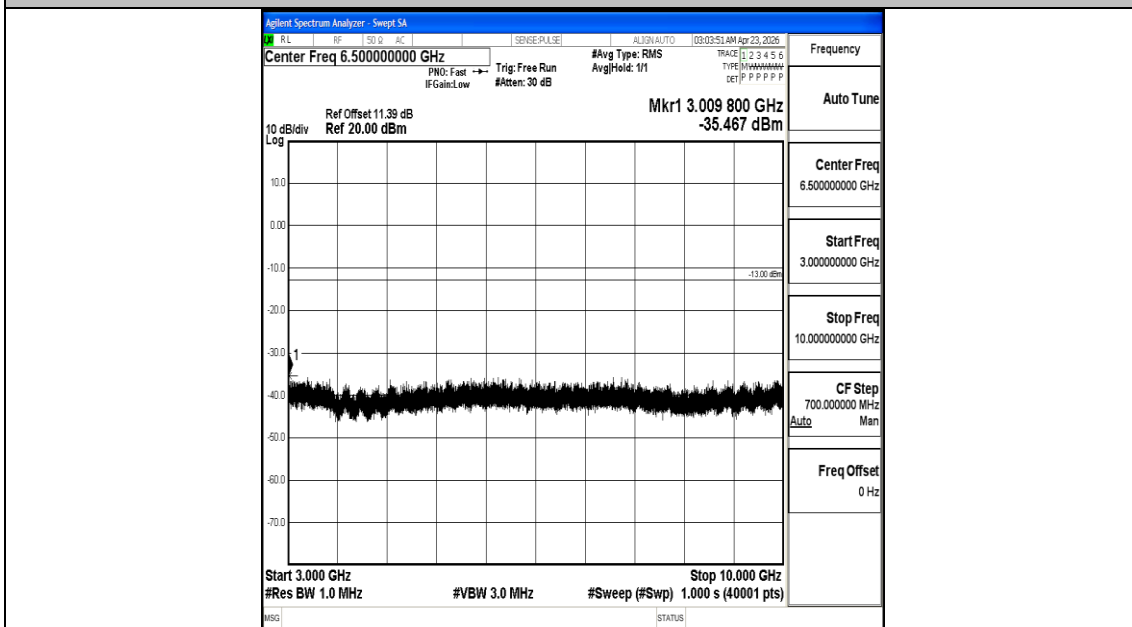
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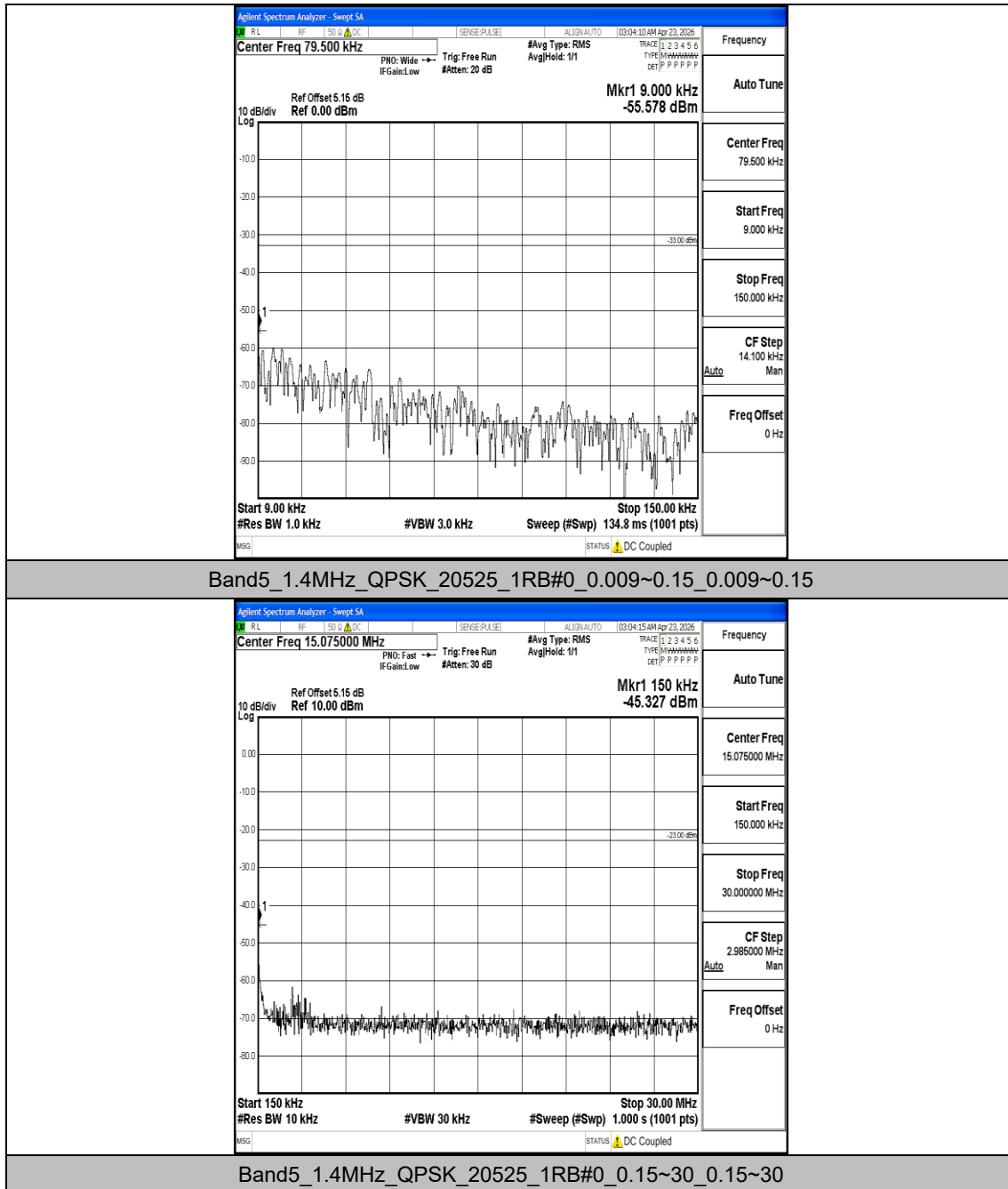
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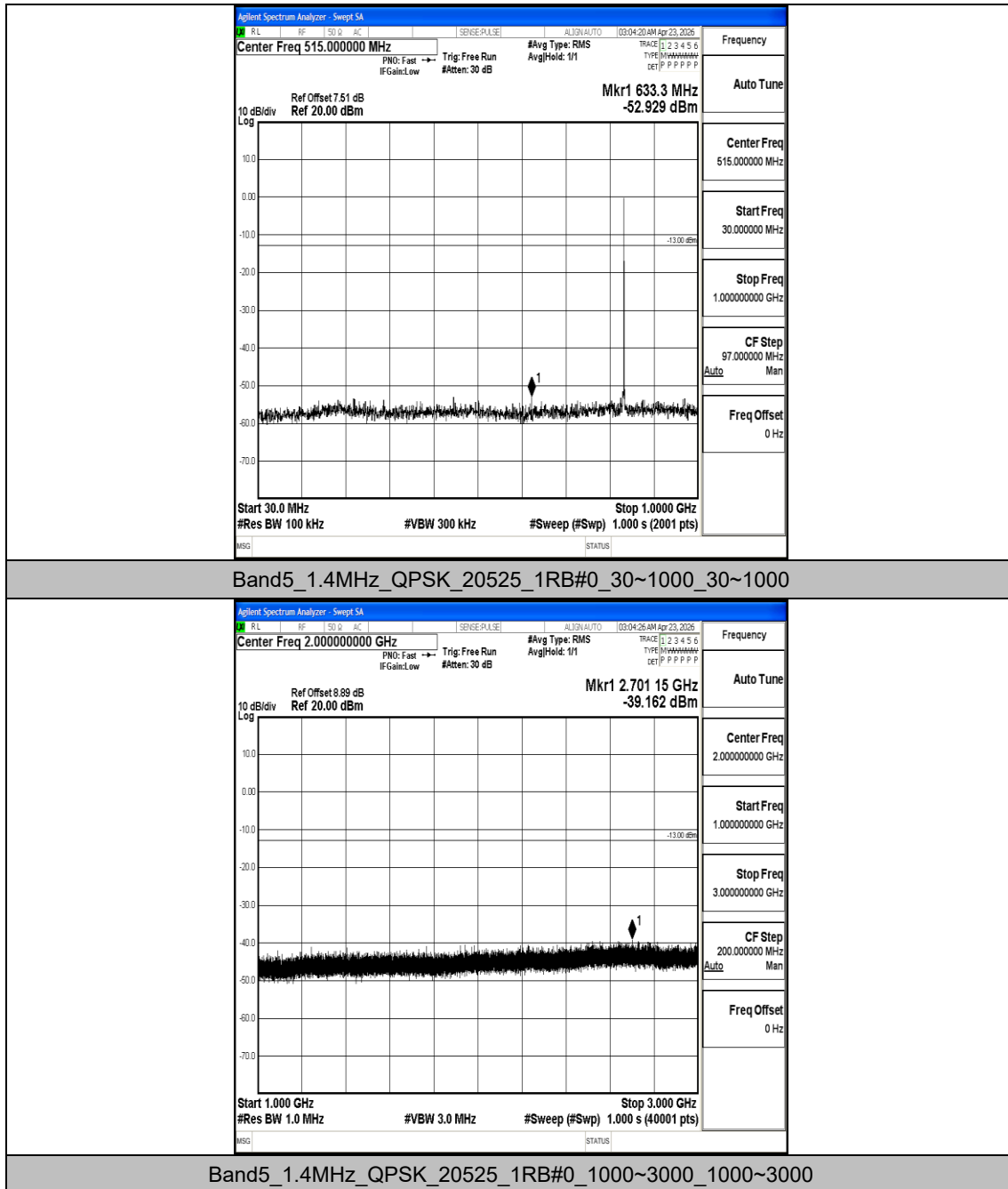


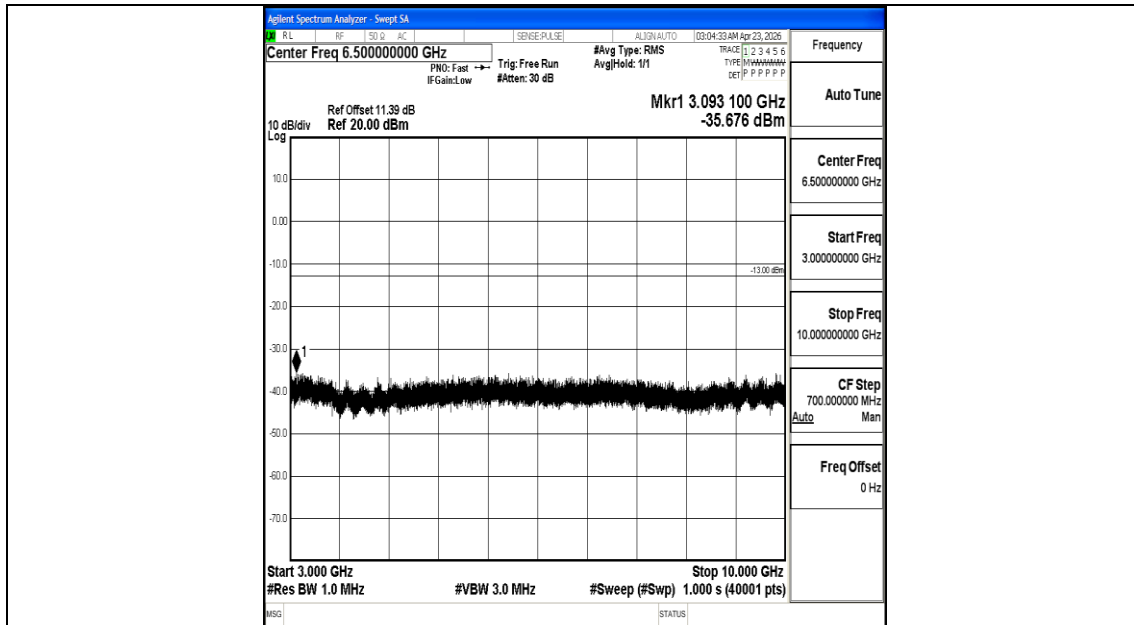
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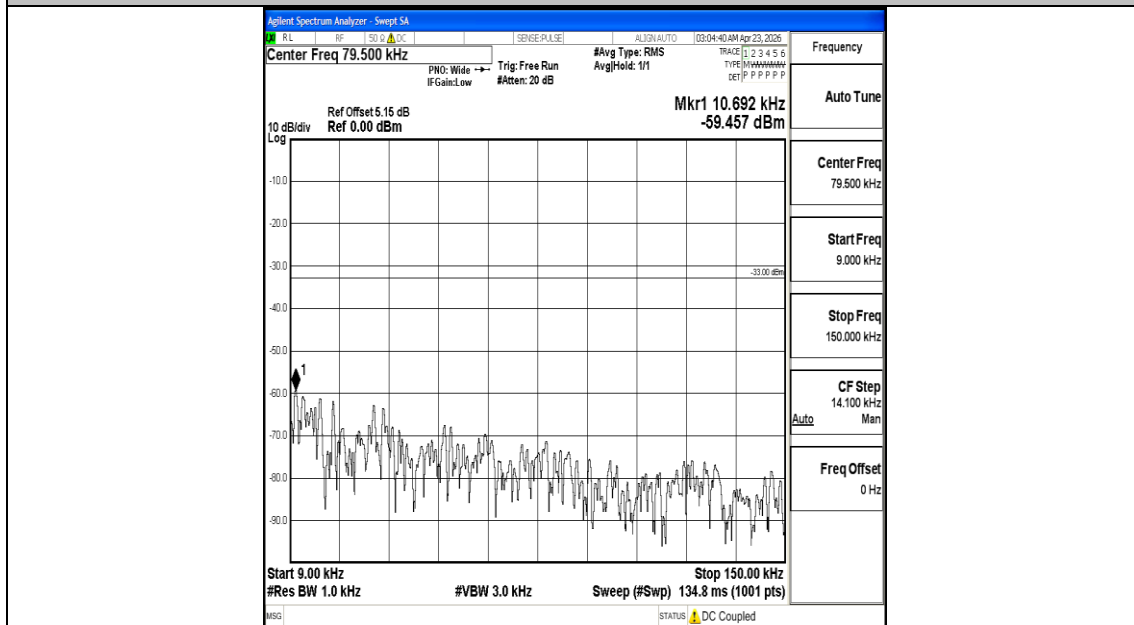
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Band5_1.4MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



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