



FCC Appendix RF Test Data for Band 26-1

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)

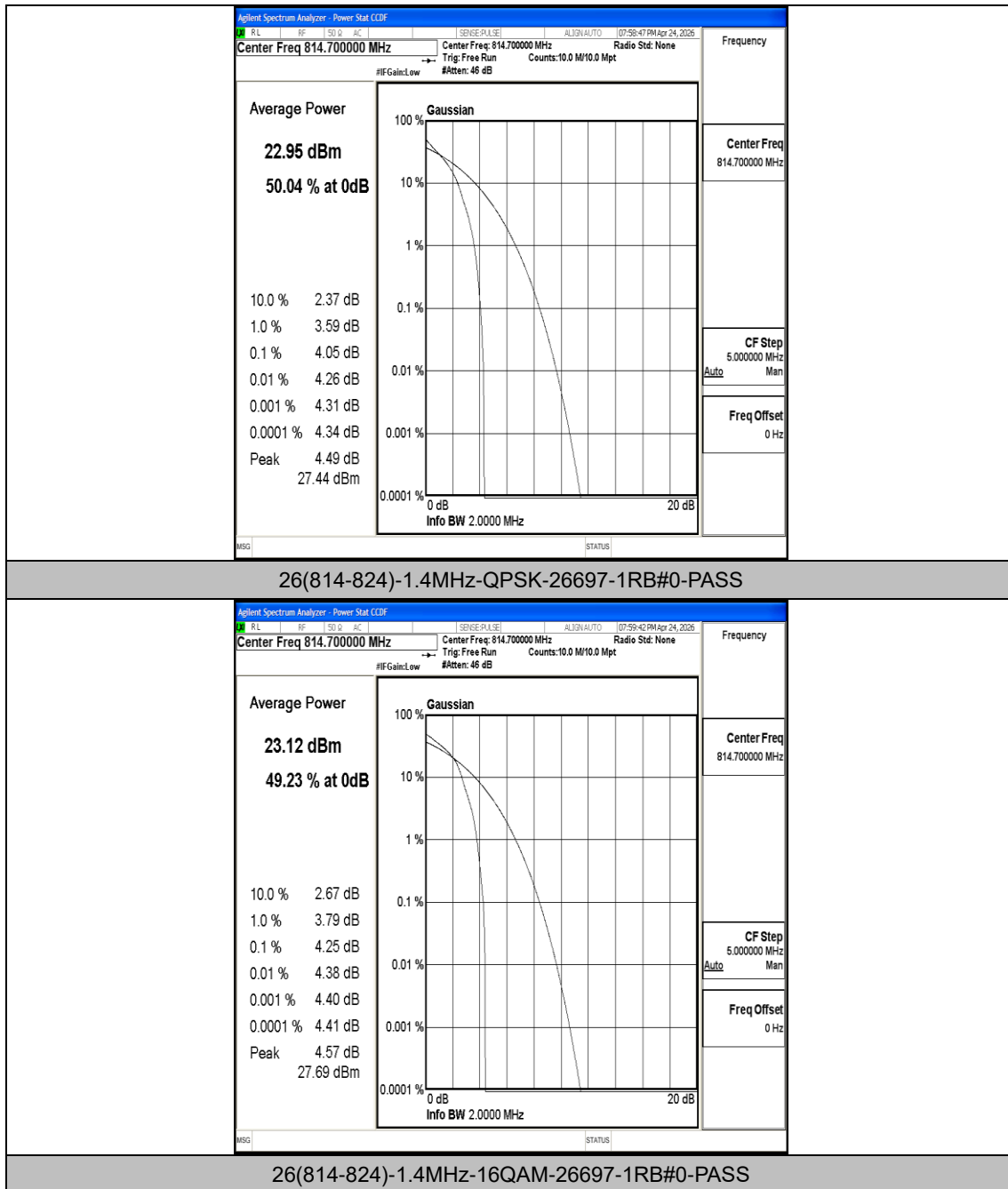
Test Result

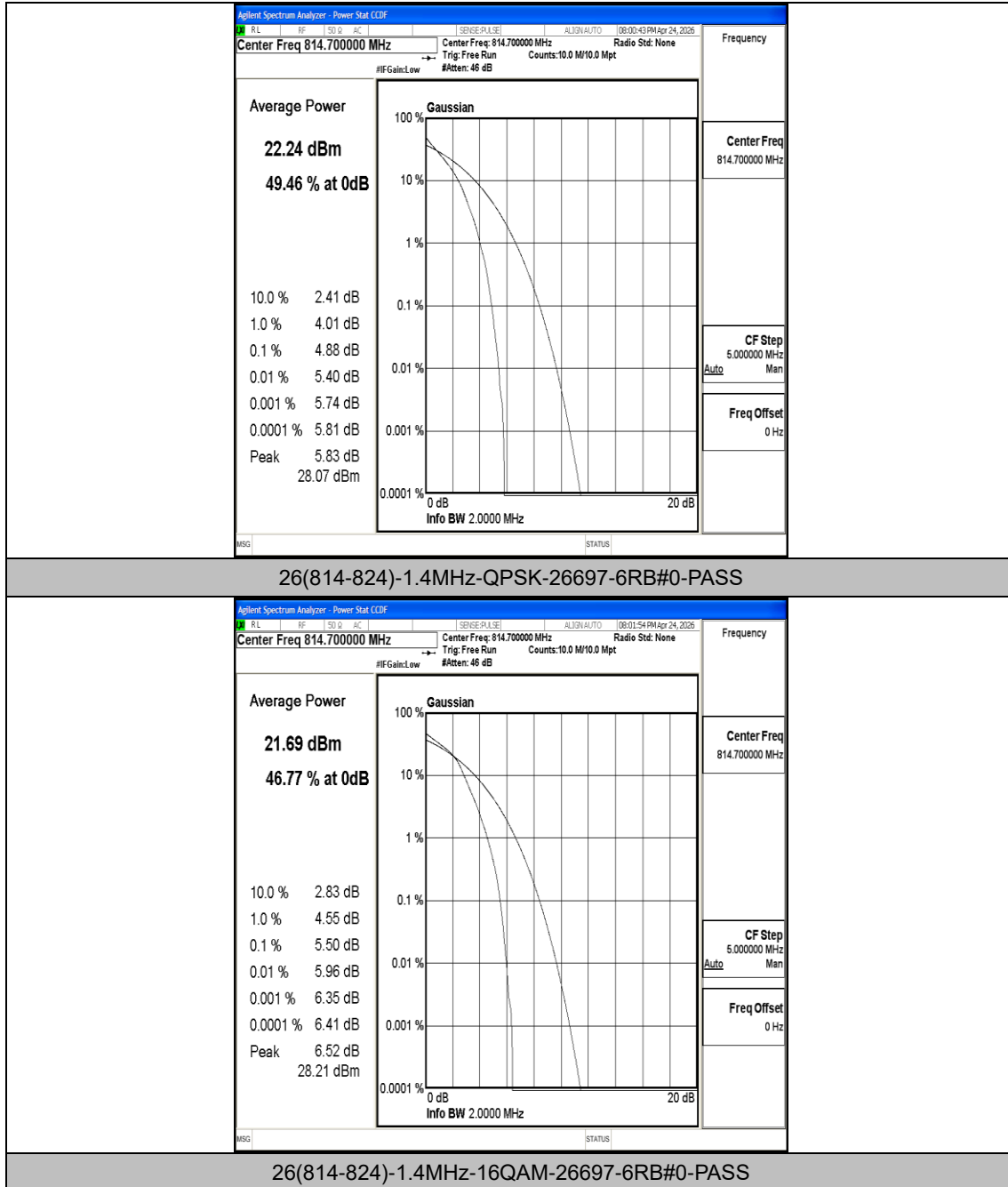
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	4.05	13	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	4.25	13	PASS
26(814-824)	1.4MHz	QPSK	26697	6RB#0	4.88	13	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.50	13	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	4.50	13	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	4.66	13	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.19	13	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	5.81	13	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	4.73	13	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	5.45	13	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.48	13	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.05	13	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	4.16	13	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	4.89	13	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	5.06	13	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	5.74	13	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	4.50	13	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	5.10	13	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	5.33	13	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	5.98	13	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	4.93	13	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	5.53	13	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	5.41	13	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	6.12	13	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	4.26	13	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	5.05	13	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	5.31	13	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	5.92	13	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	4.66	13	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	5.02	13	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	5.45	13	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	6.06	13	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	4.69	13	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	5.15	13	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	5.49	13	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	6.14	13	PASS

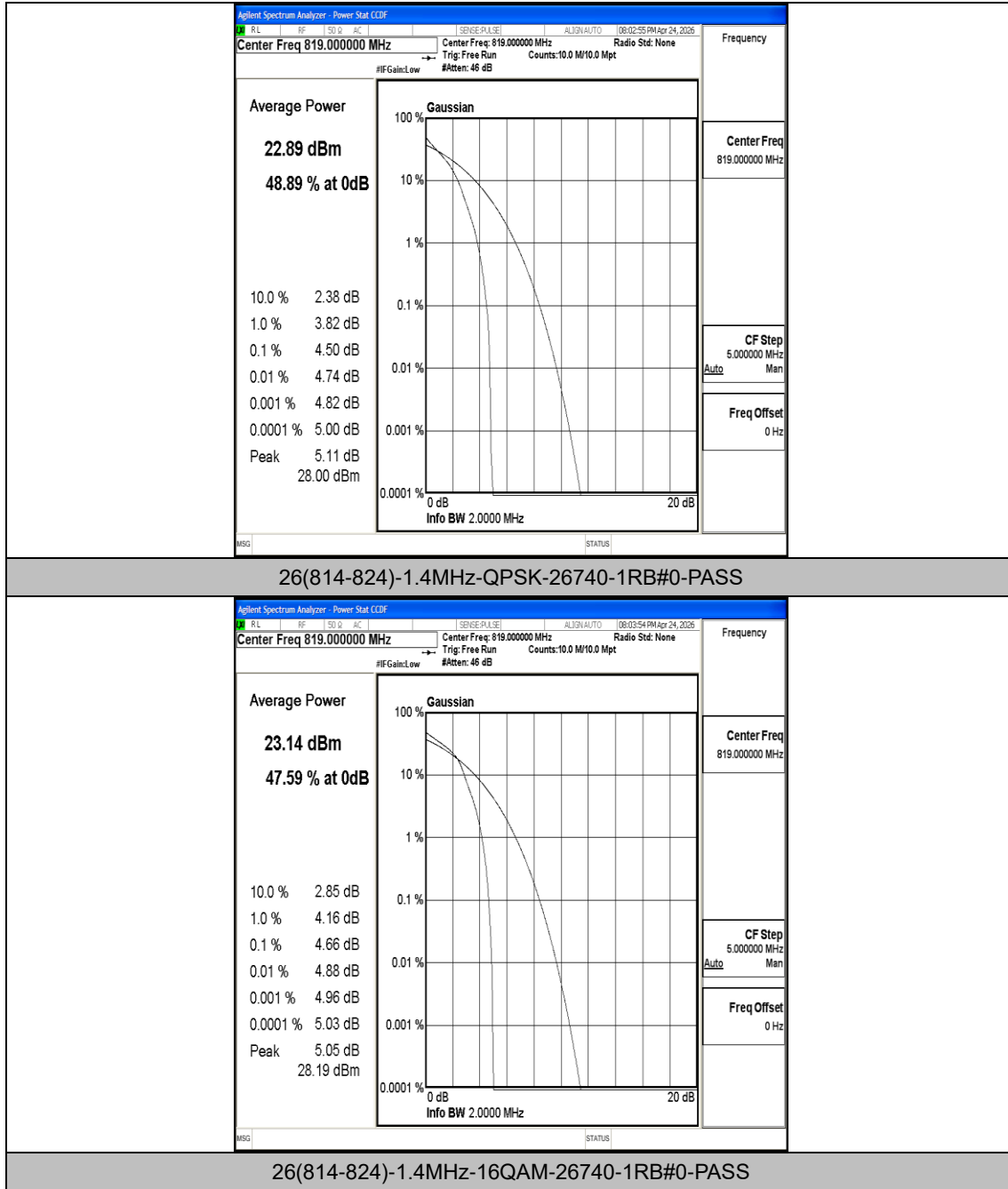


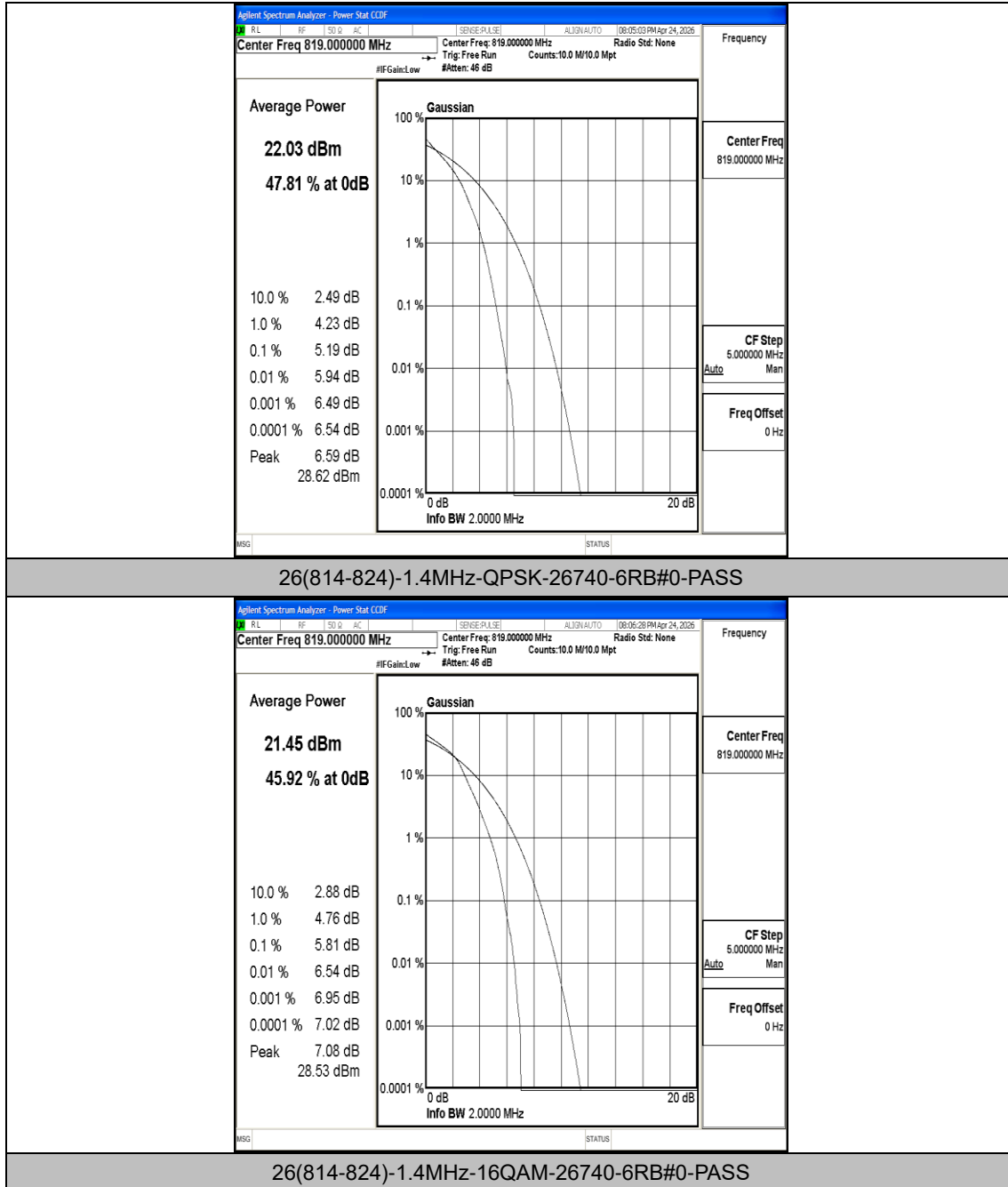
26(814-824)	10MHz	QPSK	26740	1RB#0	4.21	13	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	4.97	13	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	5.44	13	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	6.05	13	PASS

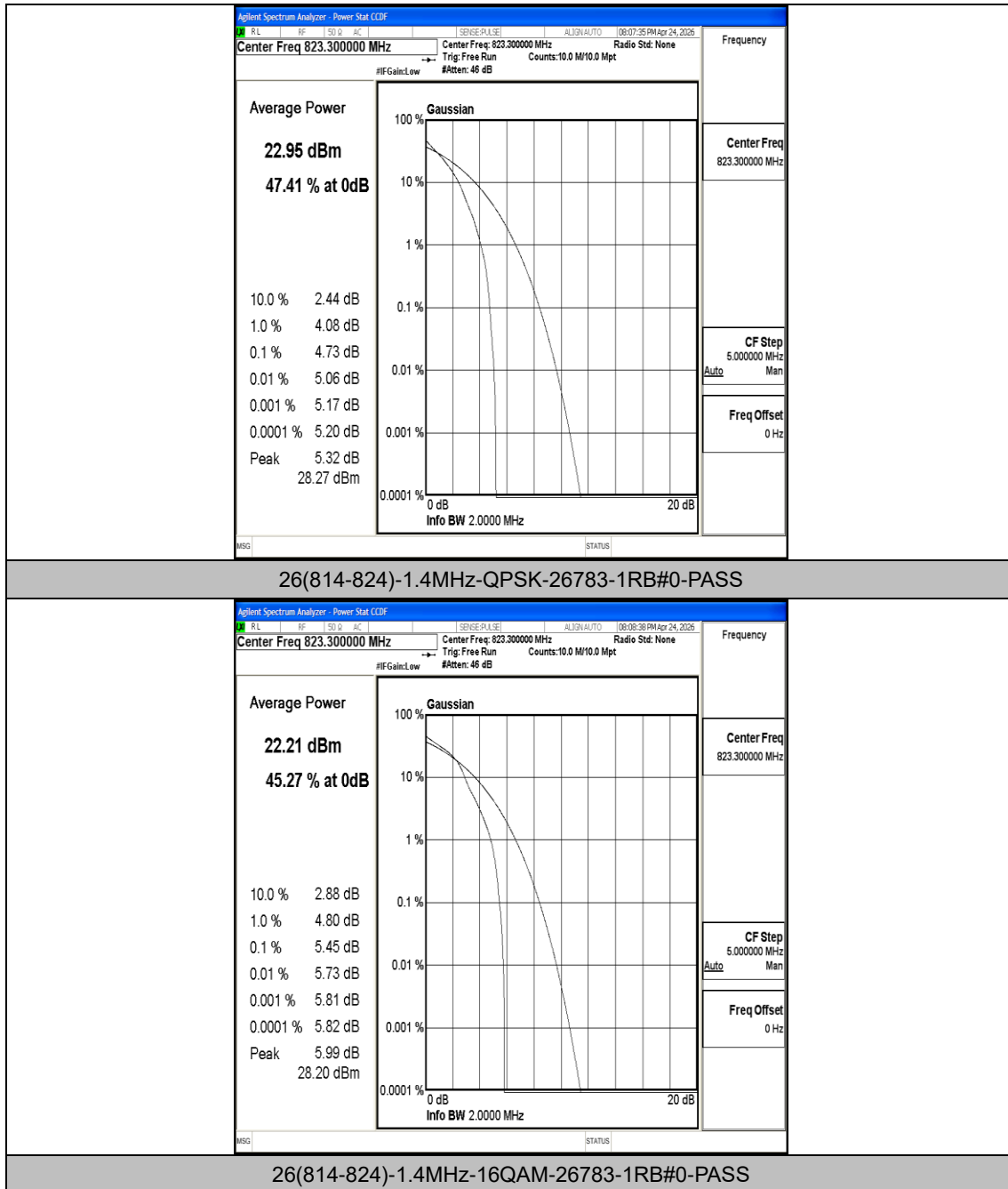
Test Graphs

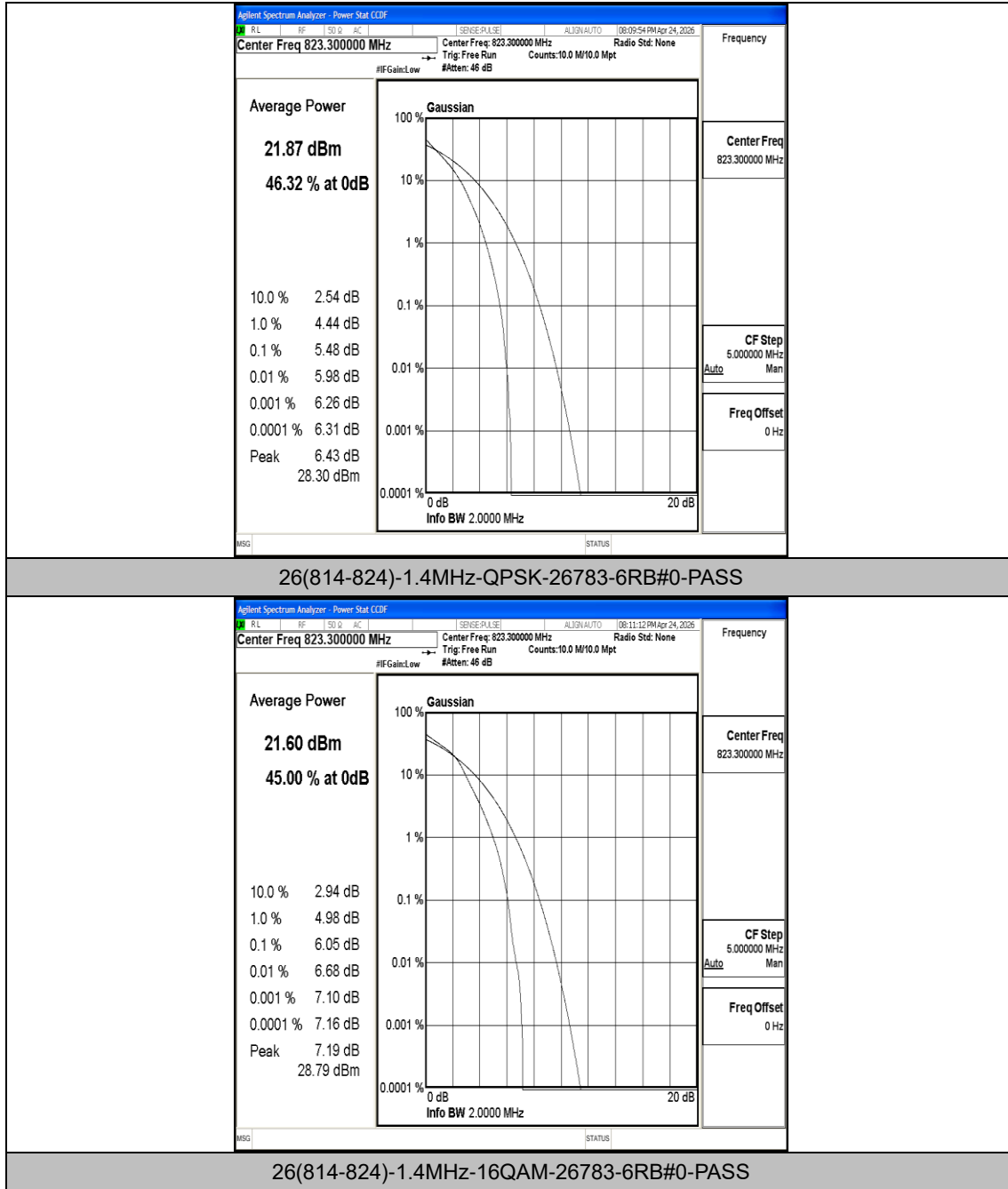


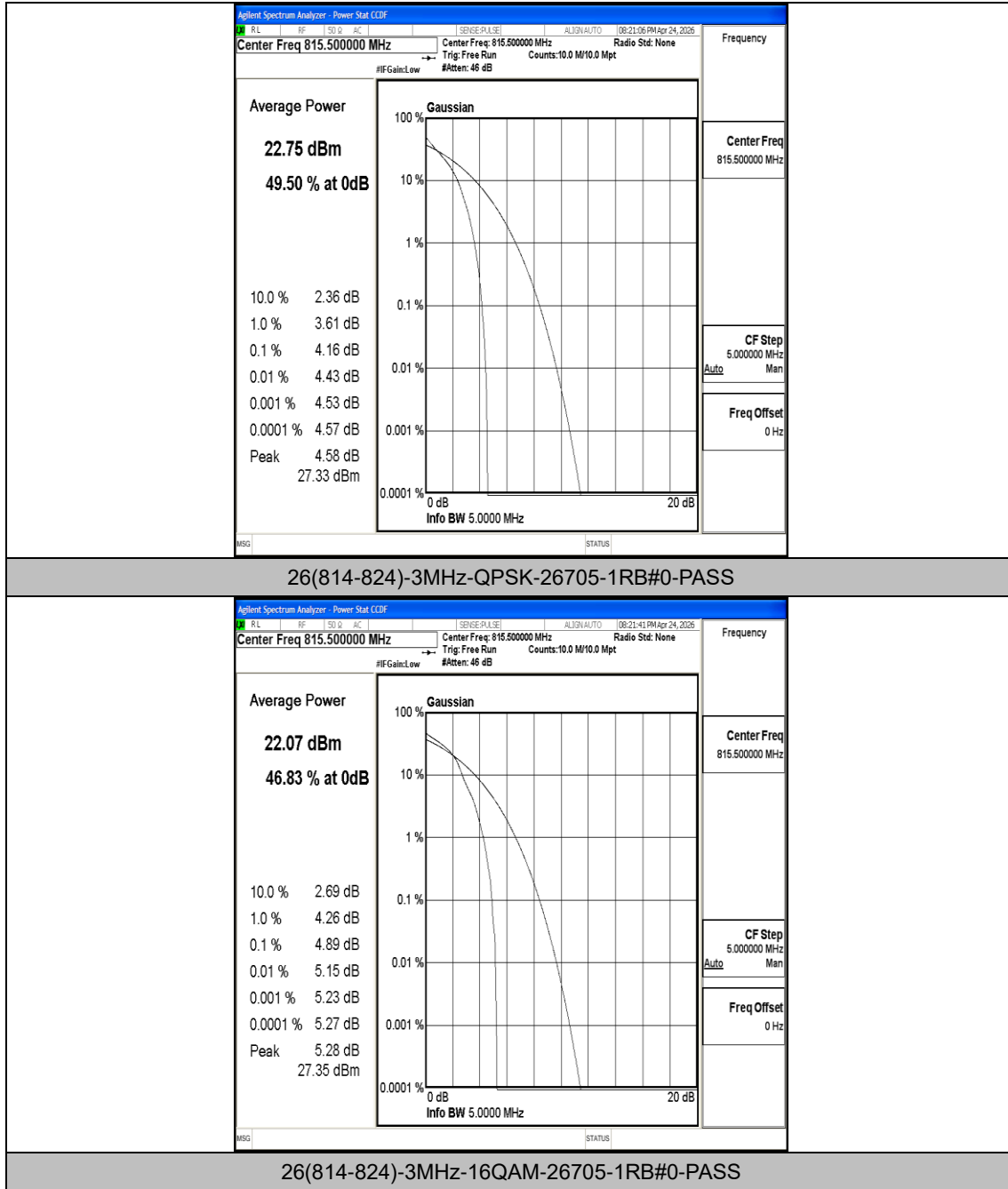


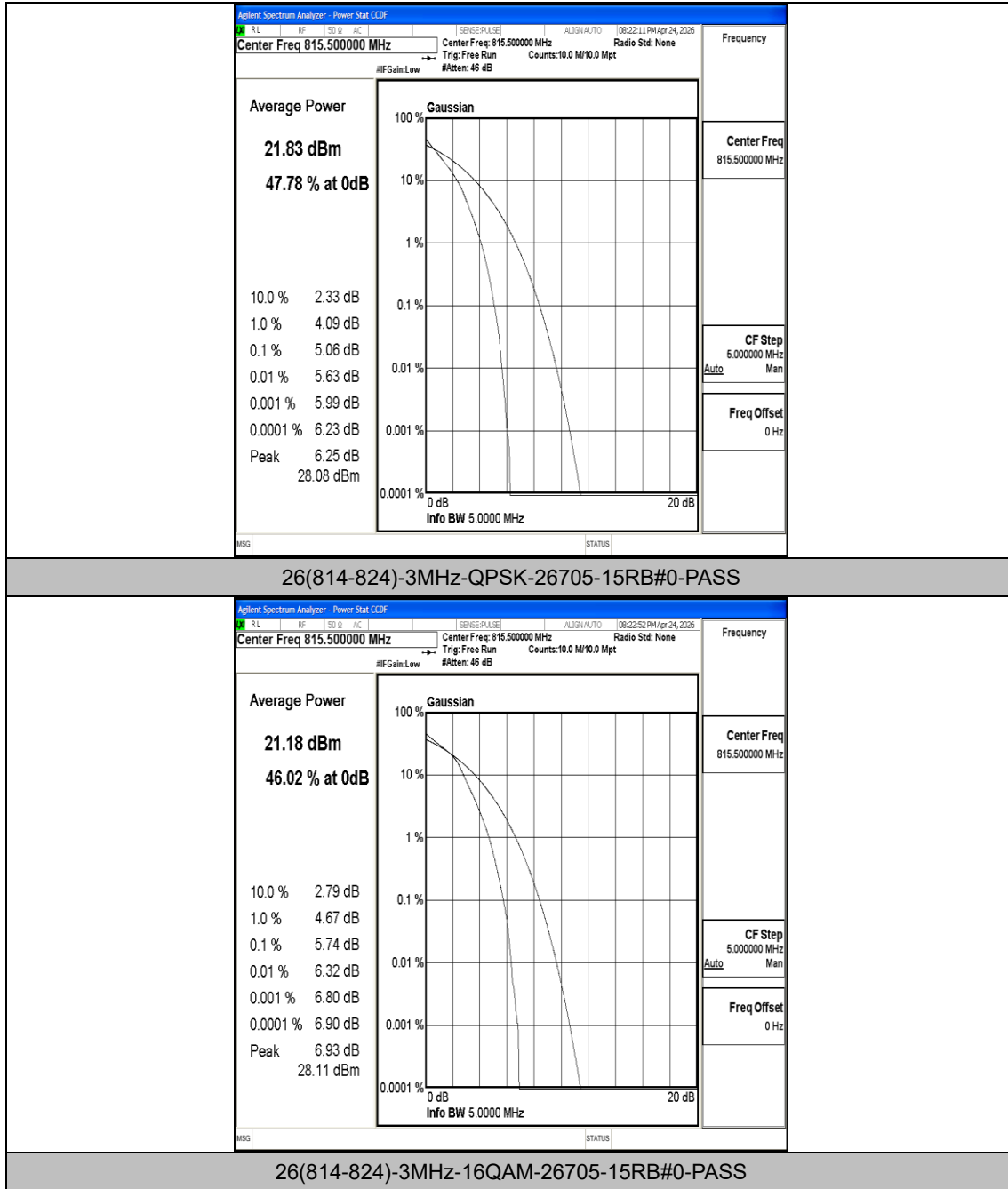


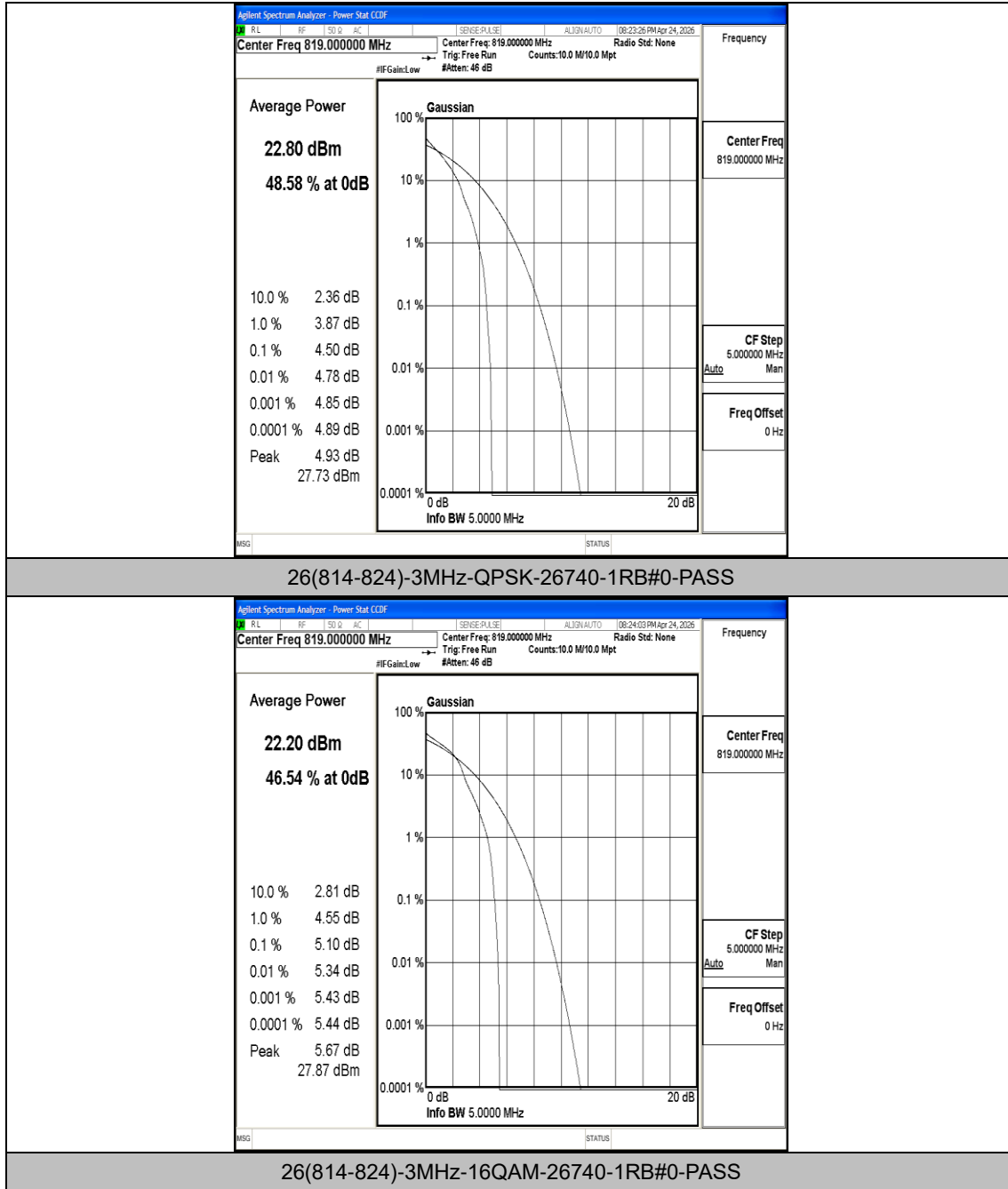


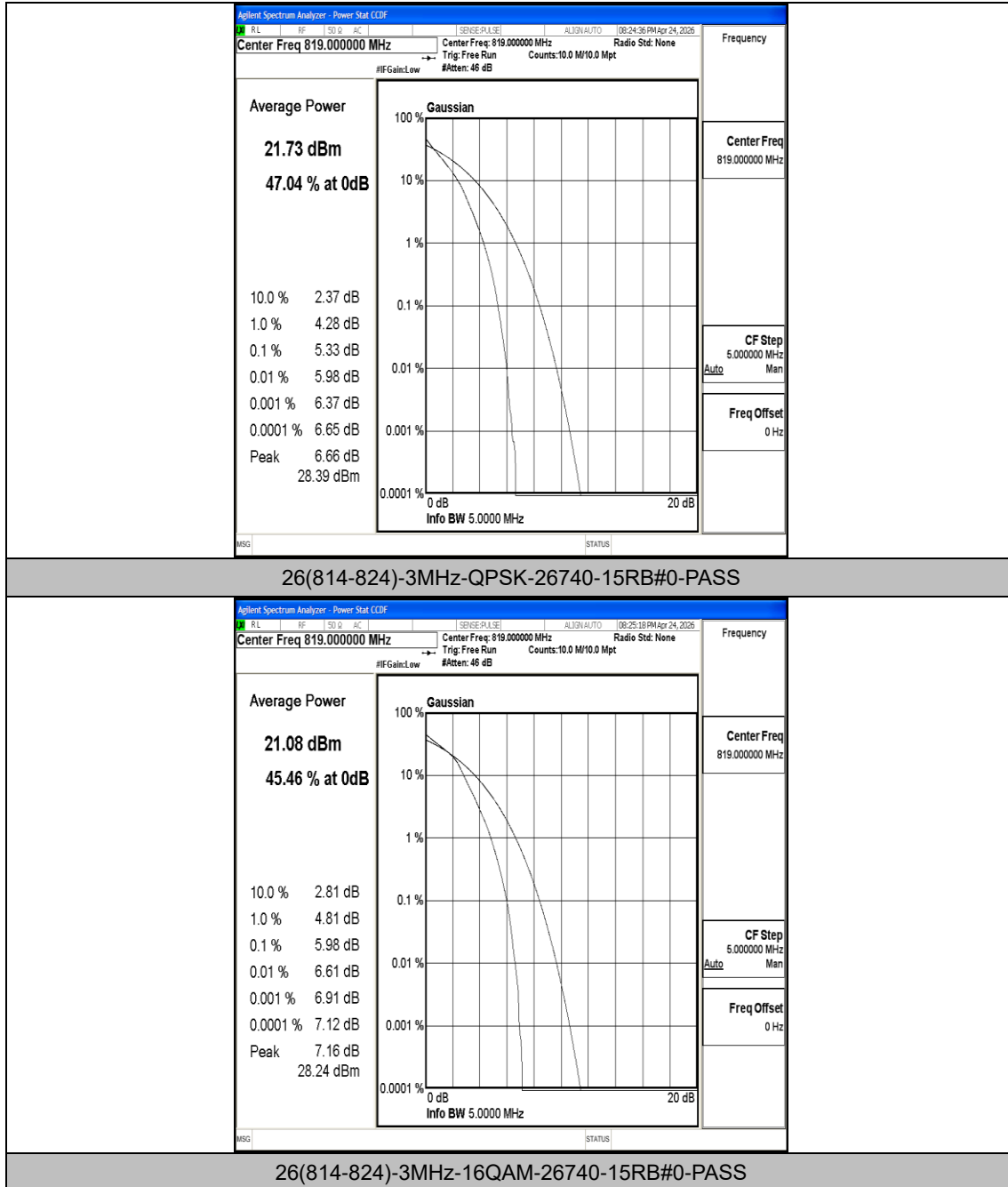


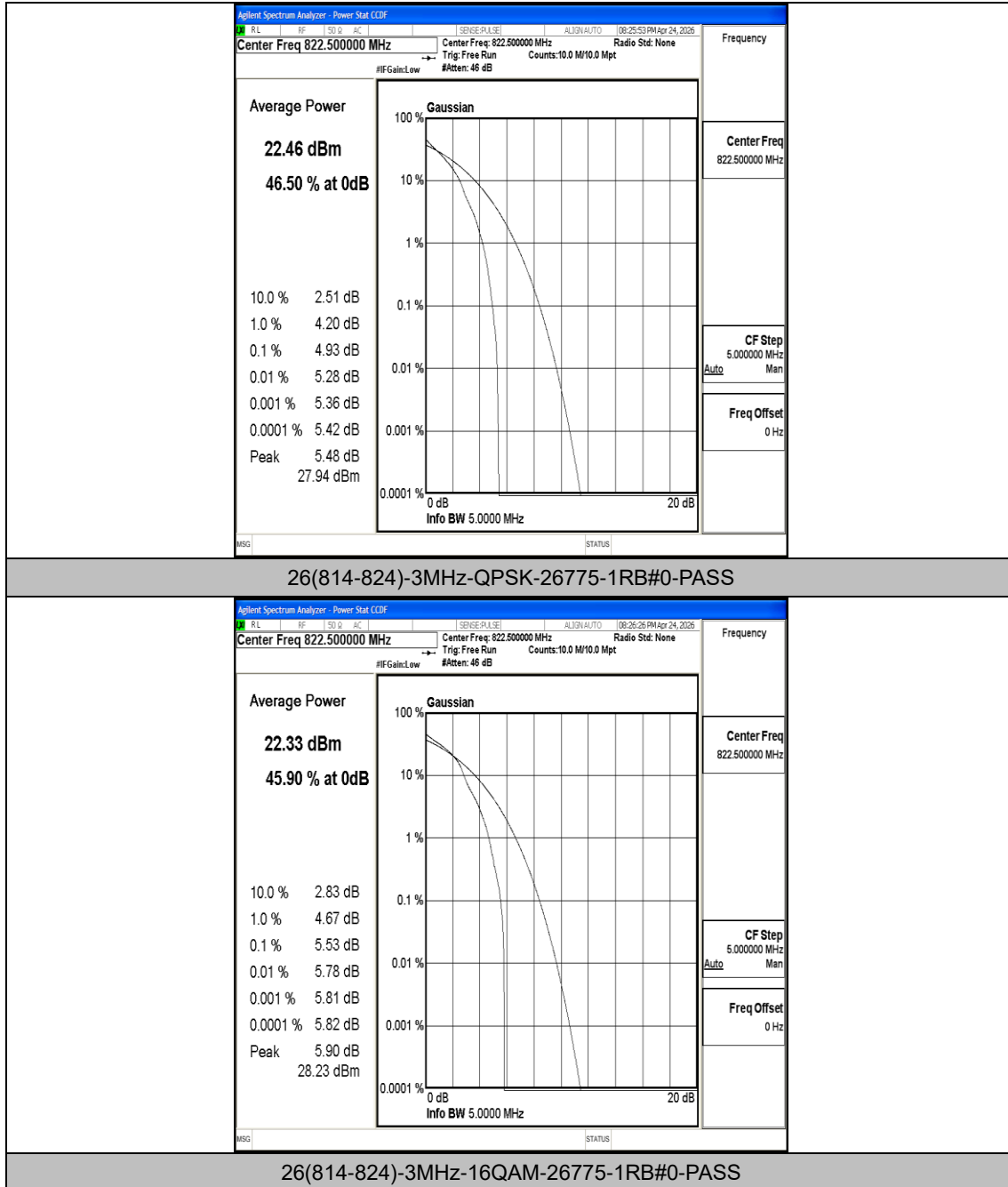


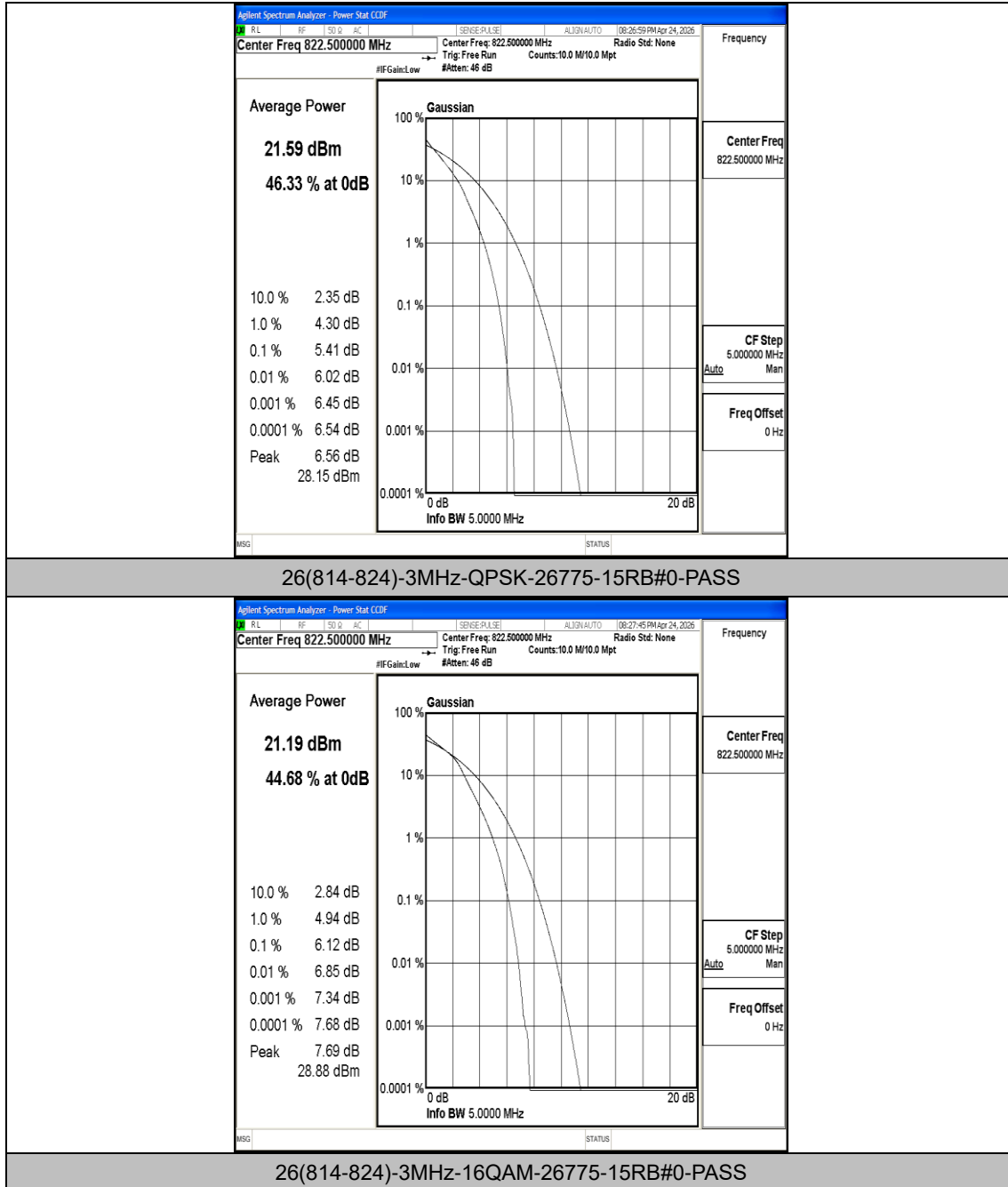


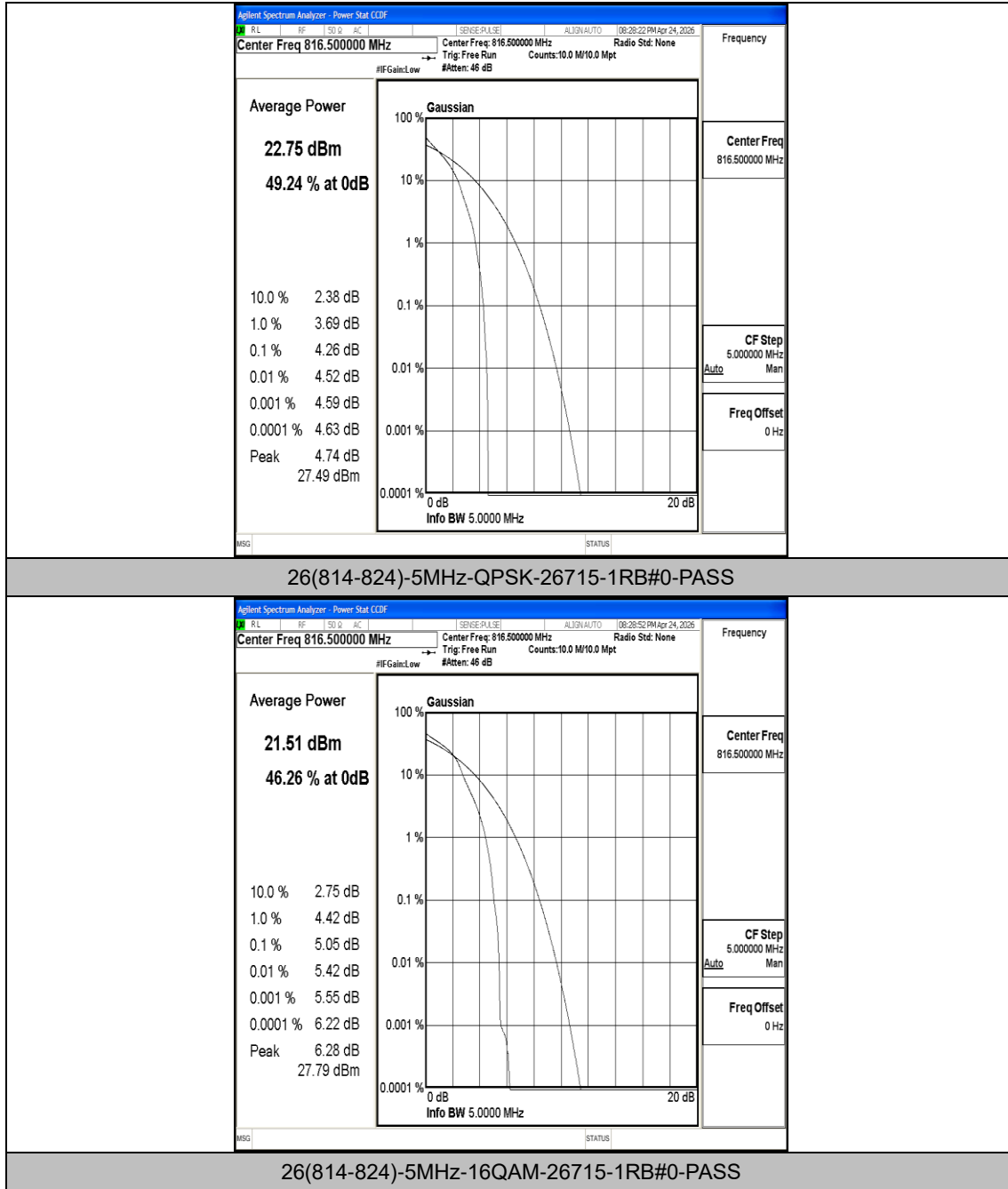


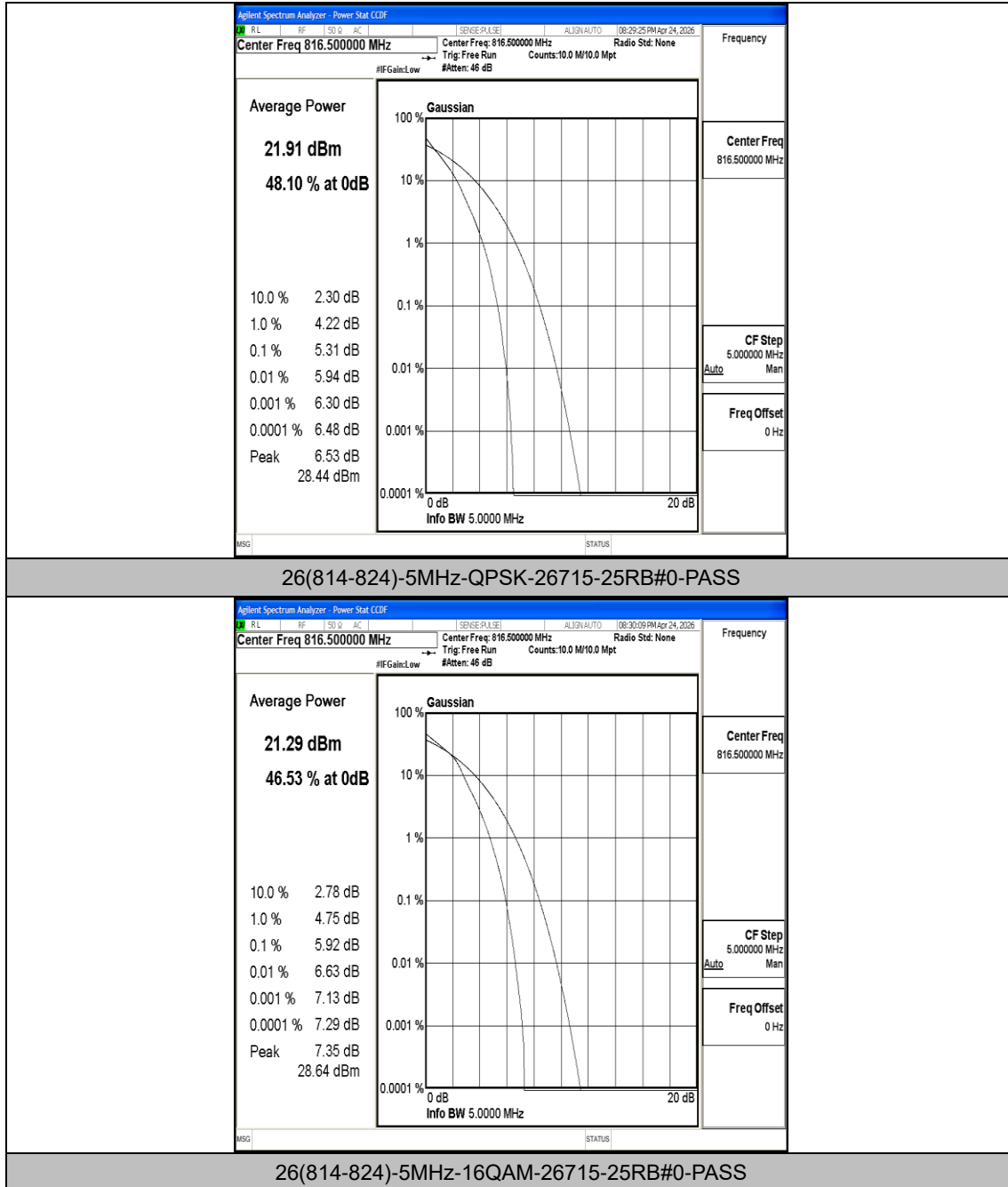


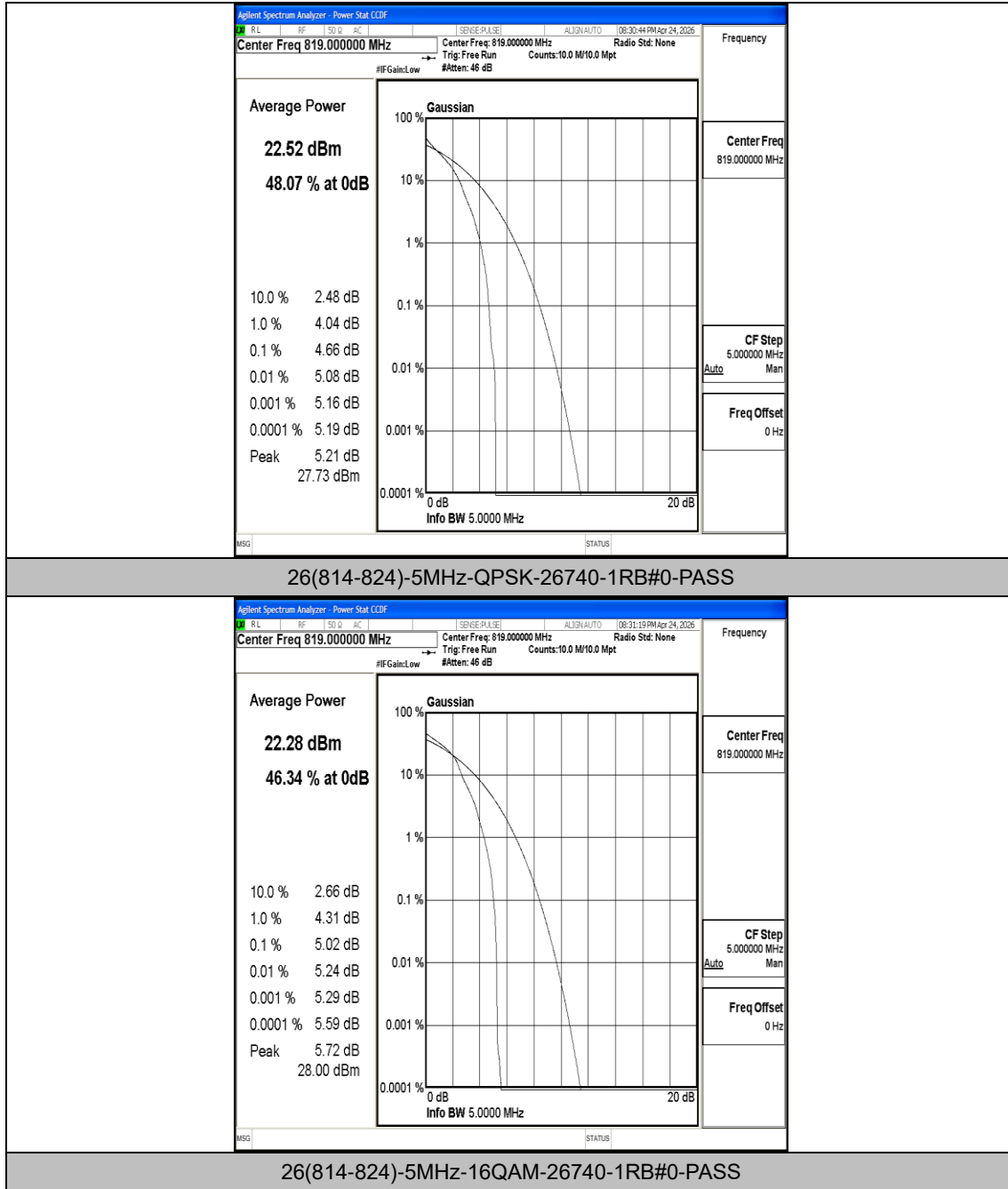


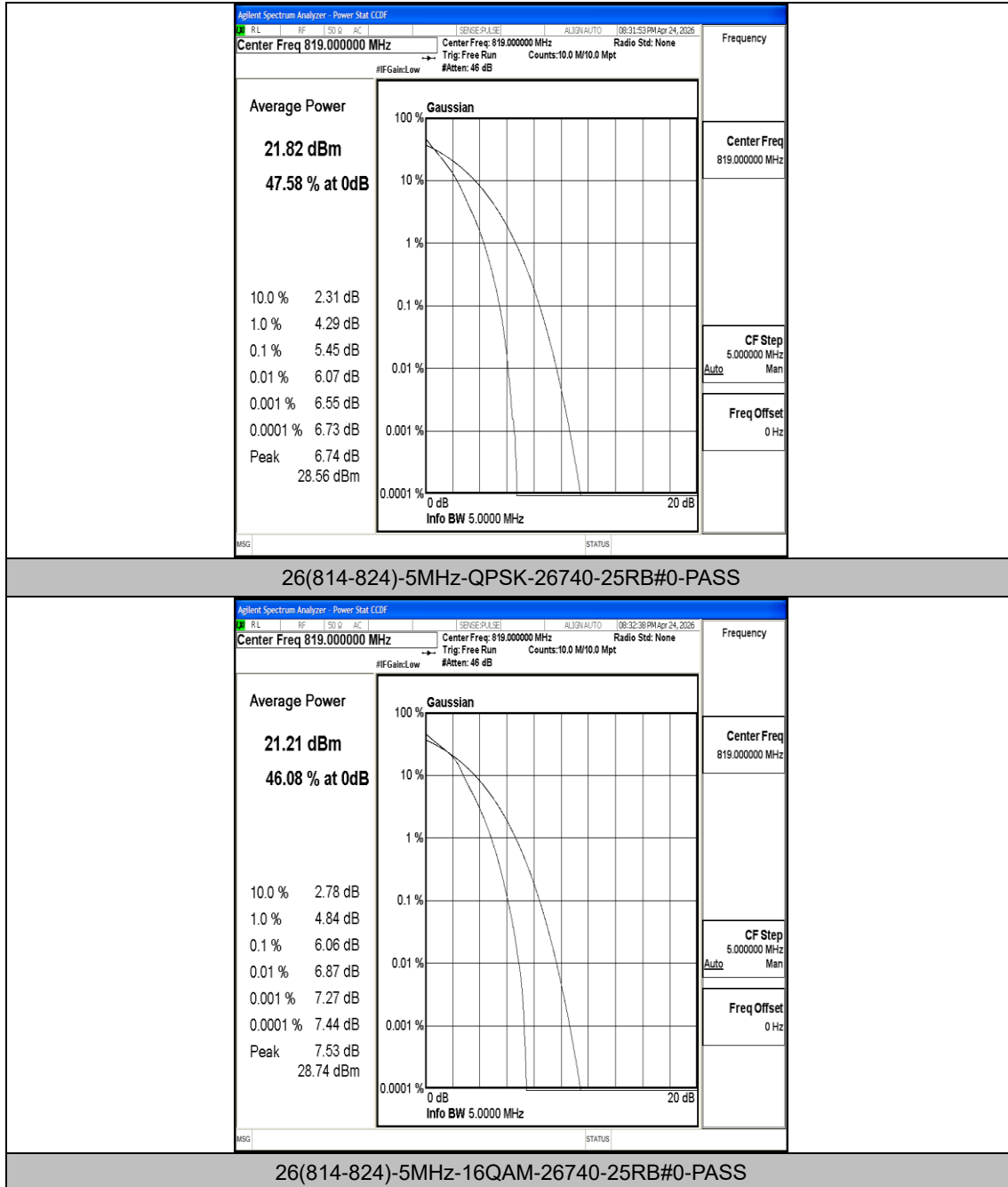


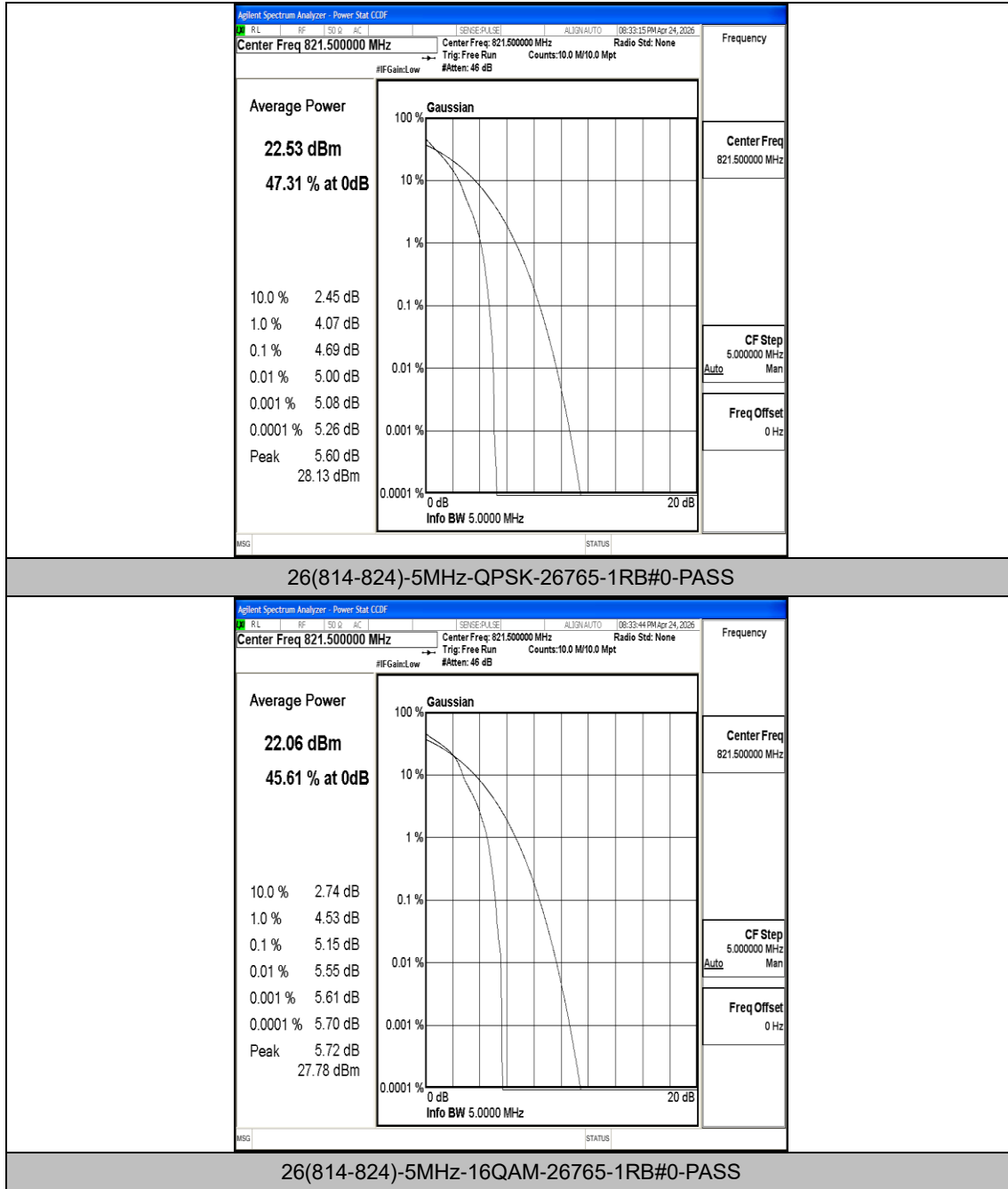


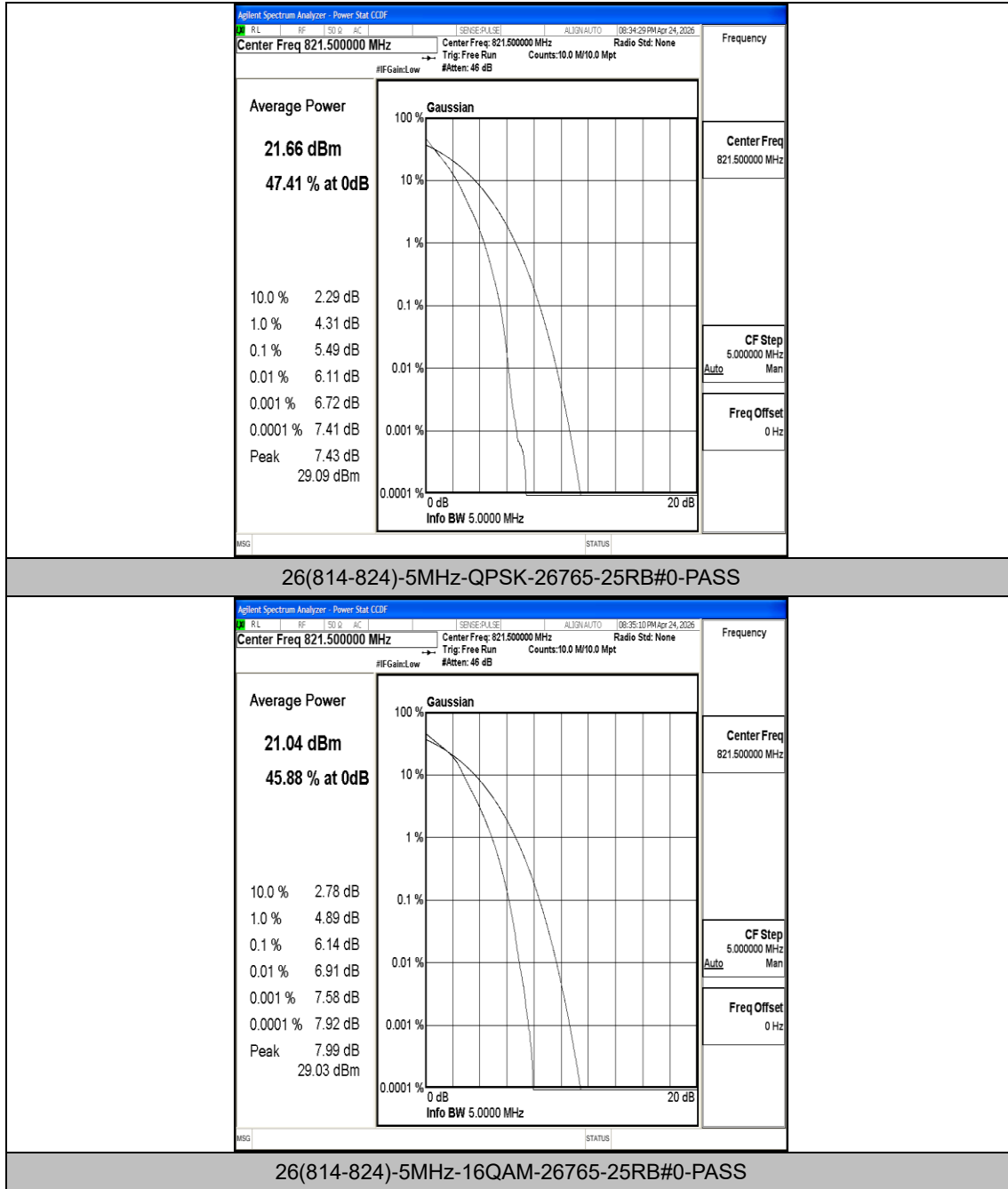


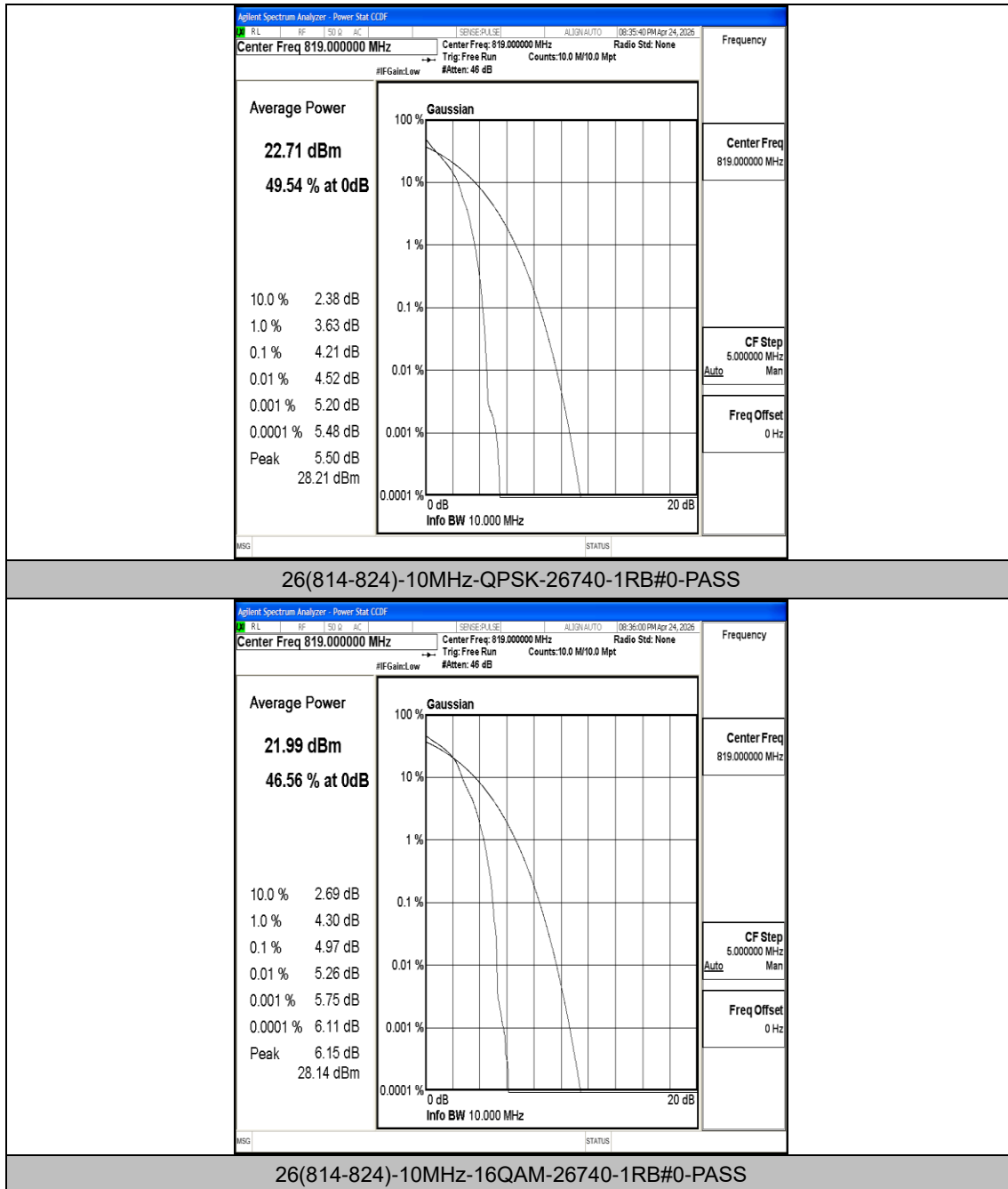


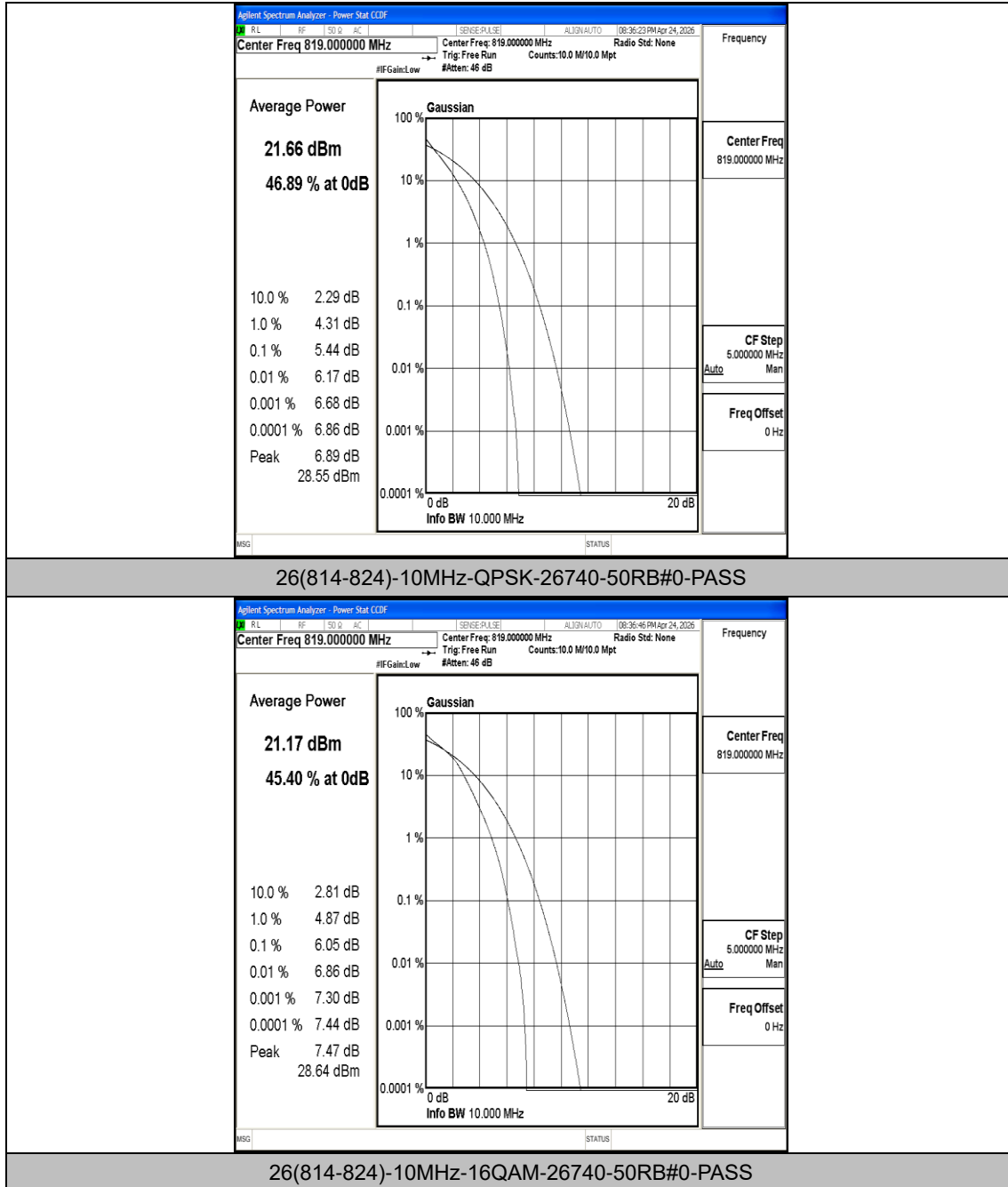










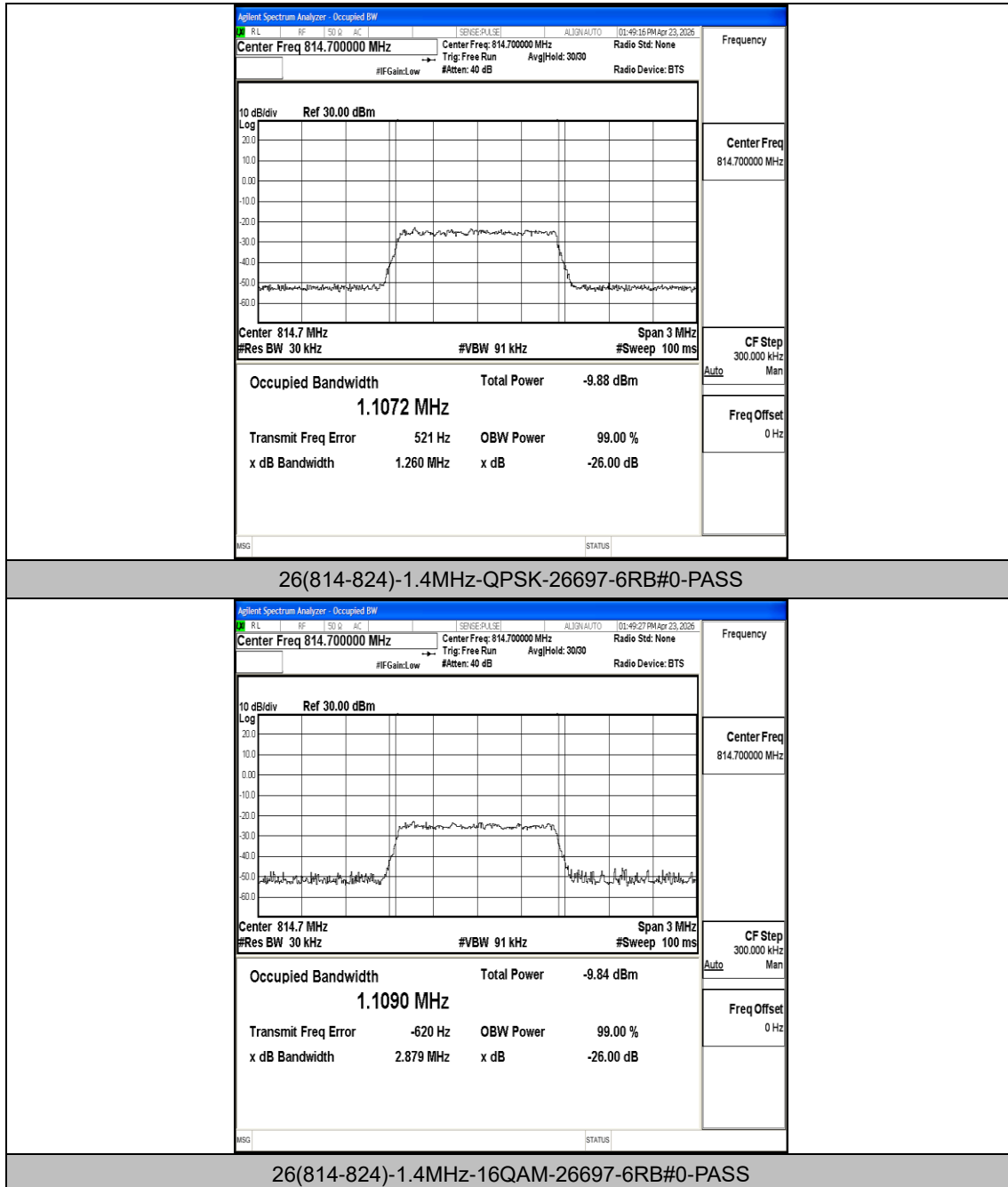


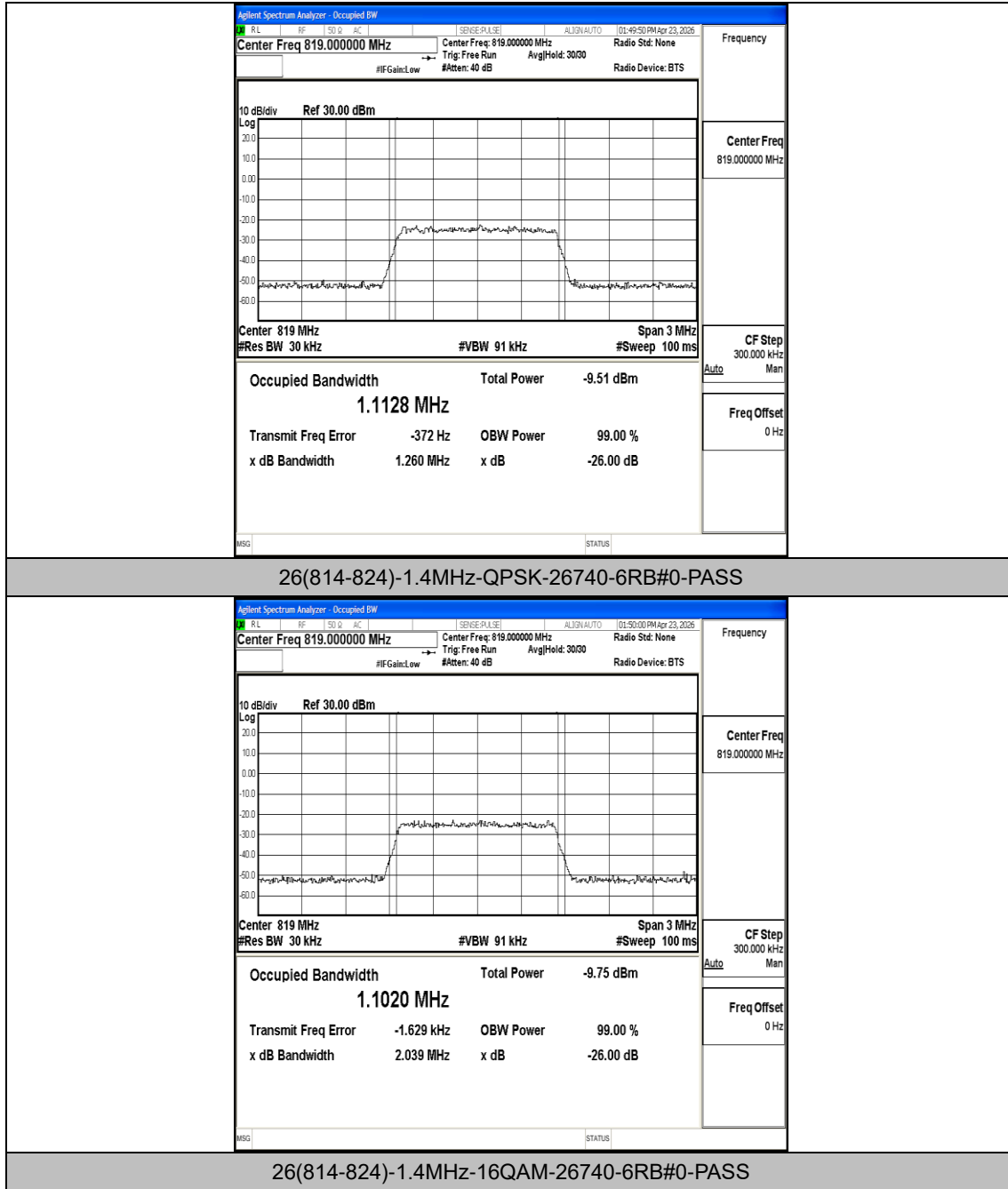
2 26dB Bandwidth and Occupied Bandwidth

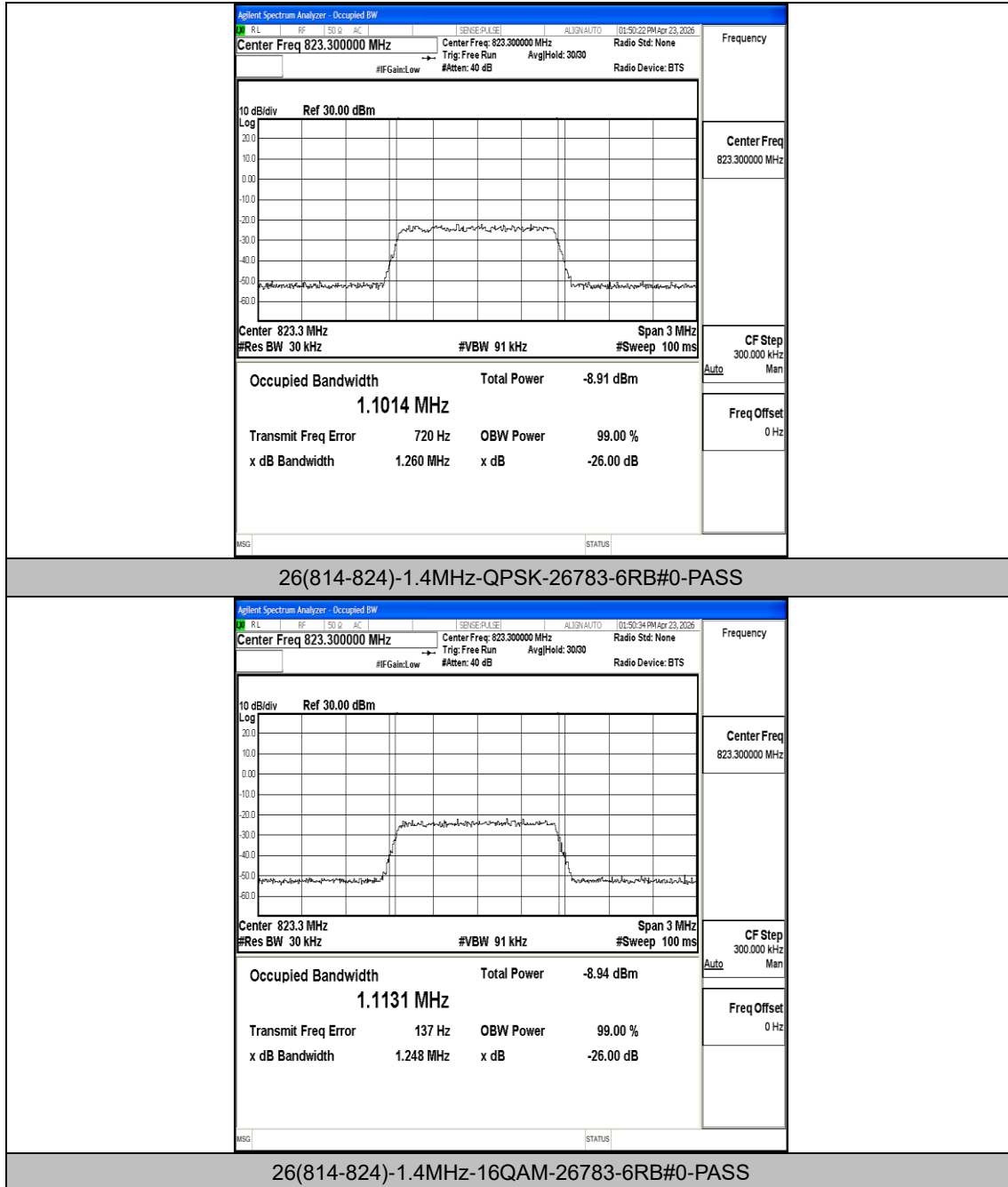
Test Result

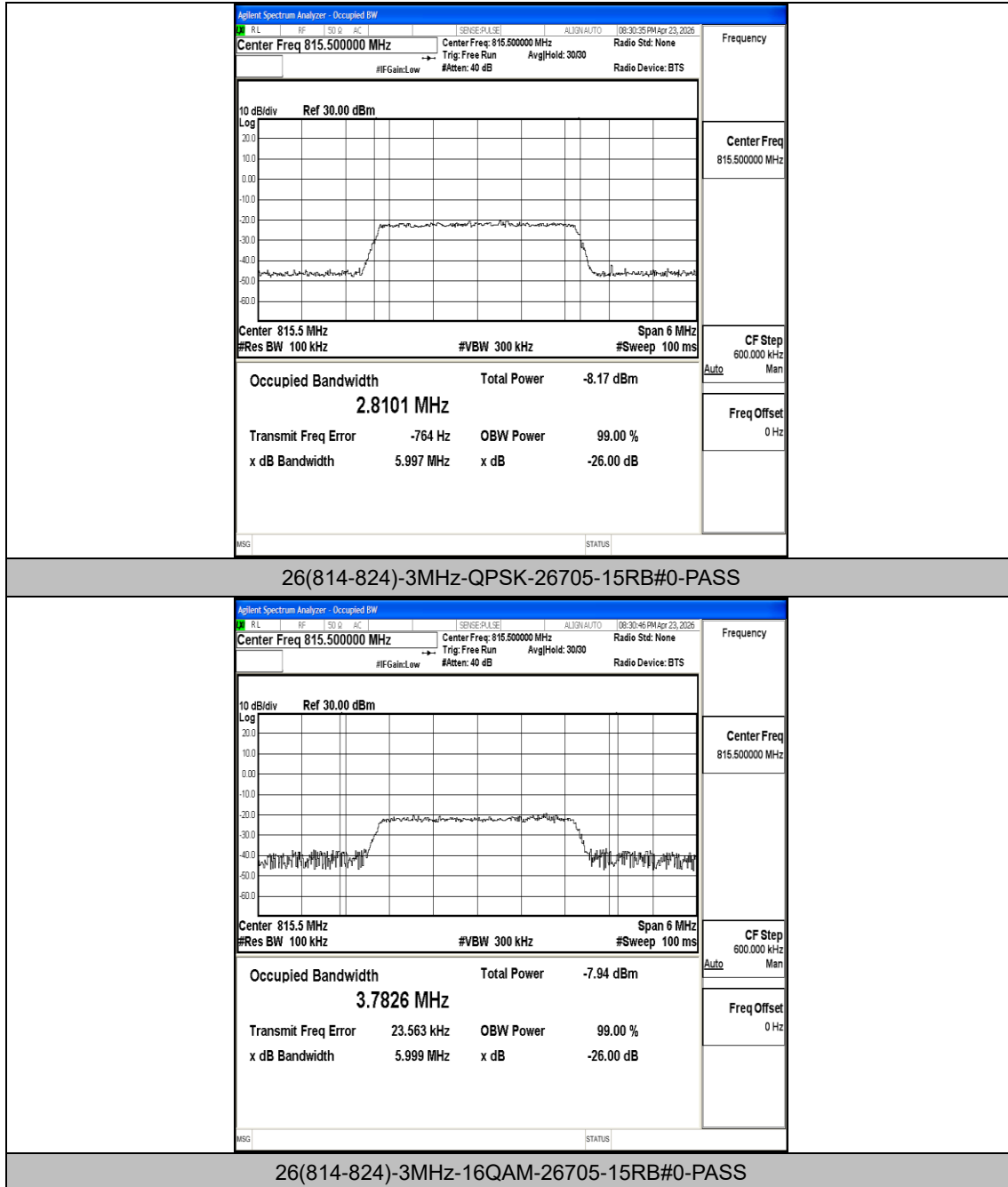
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.1072	1.260	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.1090	2.879	PASS
26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.1128	1.260	PASS
26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.1020	2.039	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.1014	1.260	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.1131	1.248	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	2.8101	5.997	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	3.7826	5.999	PASS
26(814-824)	3MHz	QPSK	26740	15RB#0	2.7906	5.769	PASS
26(814-824)	3MHz	16QAM	26740	15RB#0	2.8364	5.946	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	2.7952	3.819	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	2.7764	5.829	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	4.7815	10.00	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	4.7594	10.00	PASS
26(814-824)	5MHz	QPSK	26740	25RB#0	4.7035	10.00	PASS
26(814-824)	5MHz	16QAM	26740	25RB#0	4.7339	10.00	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	4.6955	10.00	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	4.6878	10.00	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	11.731	20.00	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	11.825	20.00	PASS

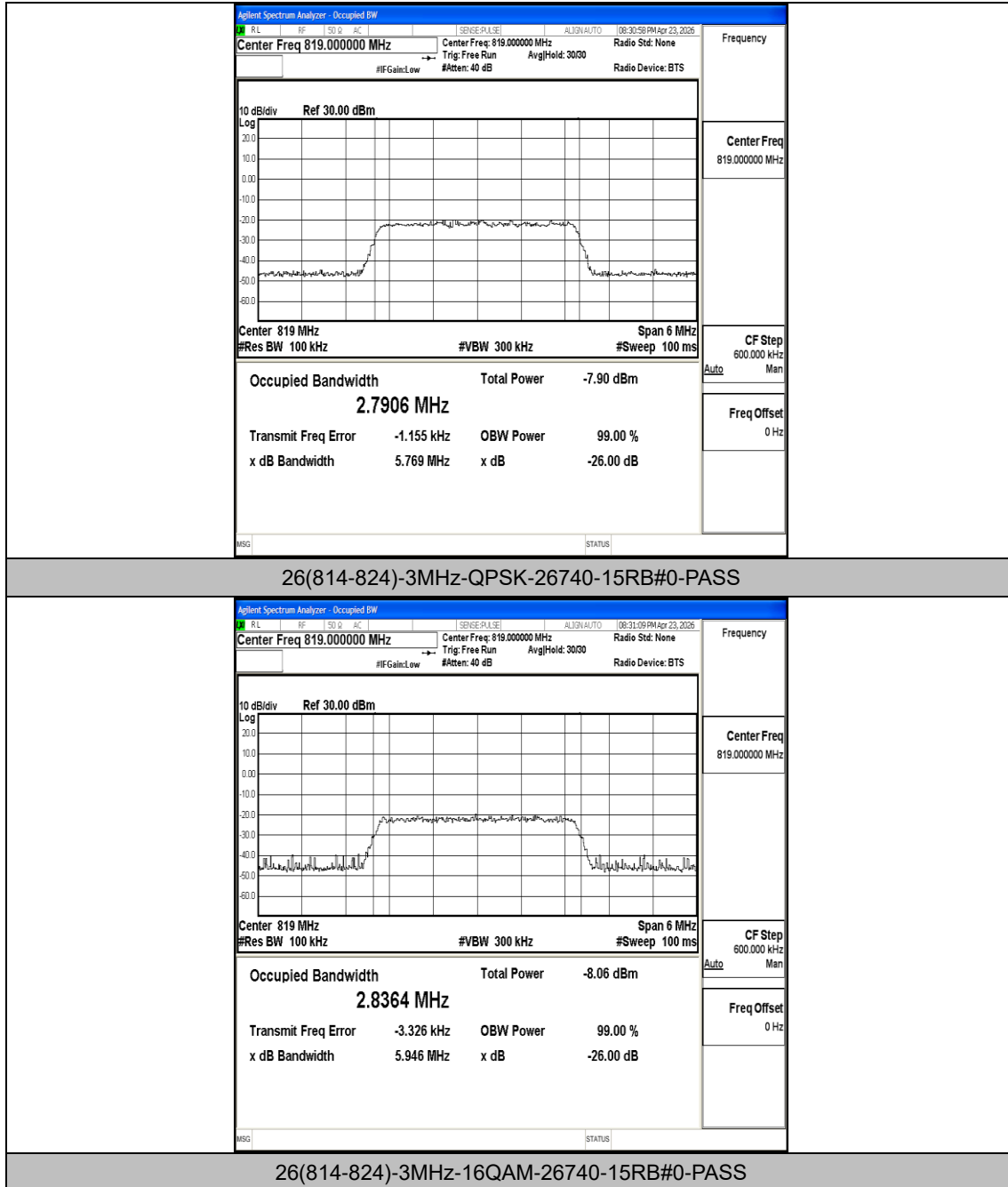
Test Graphs

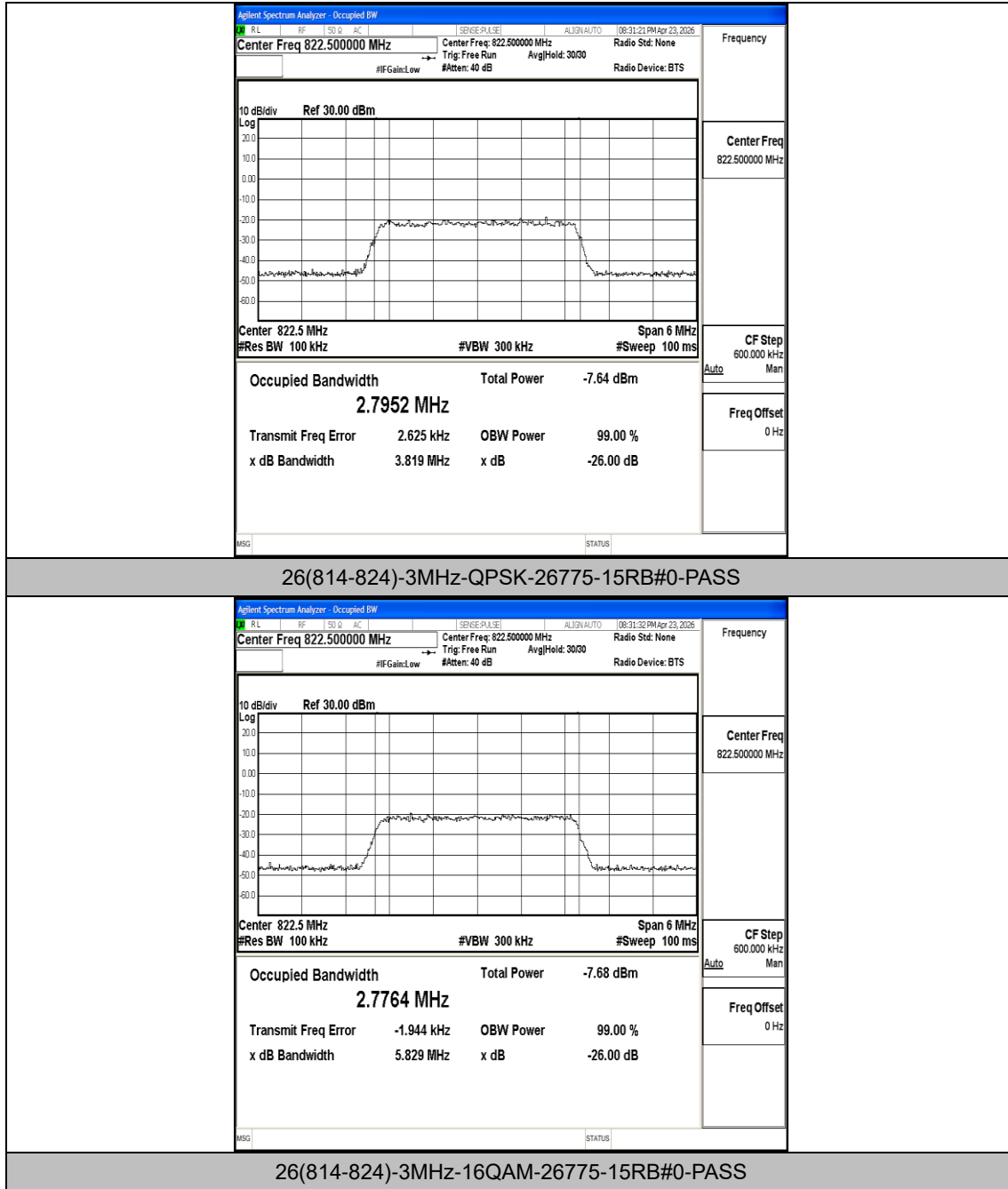


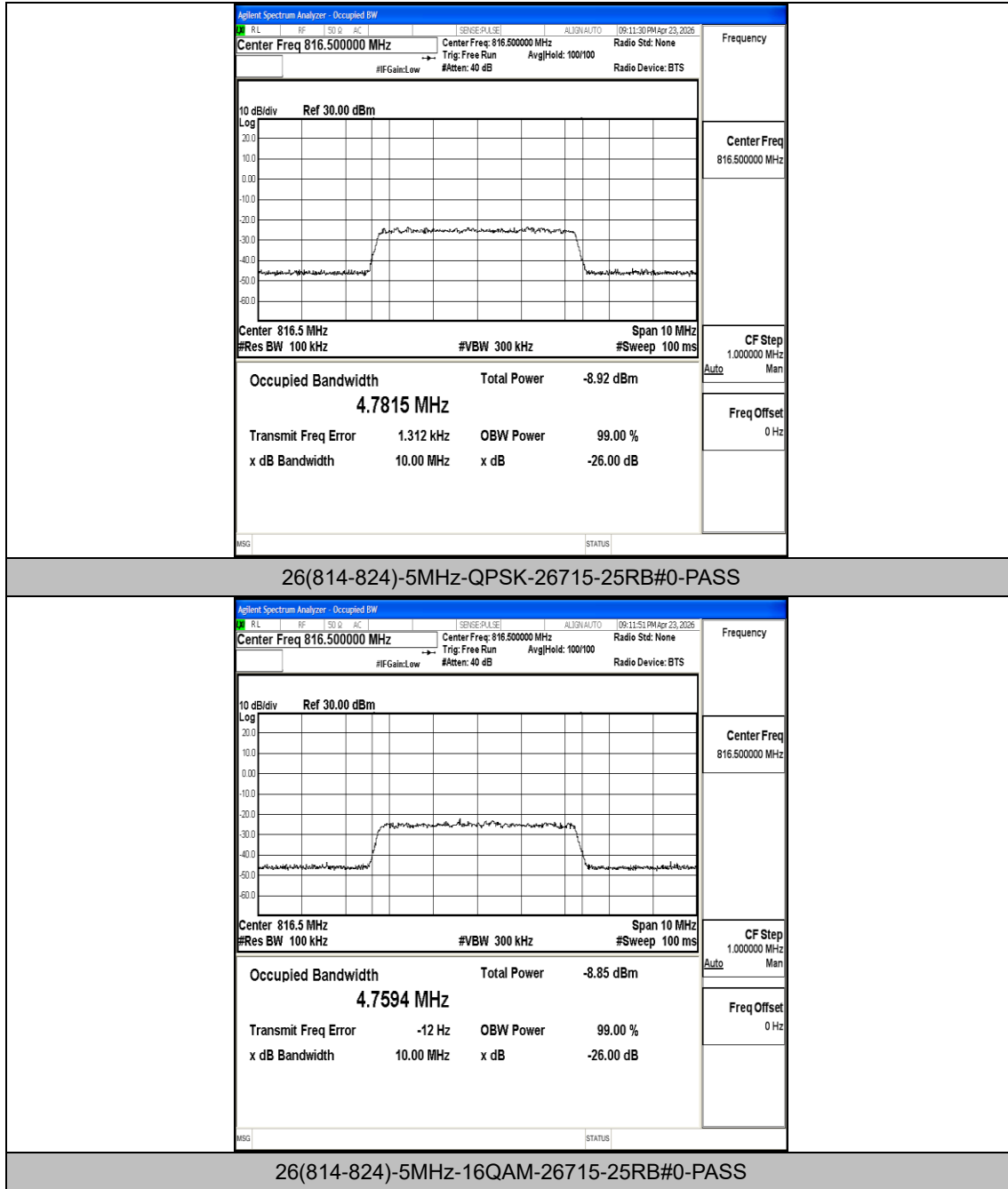


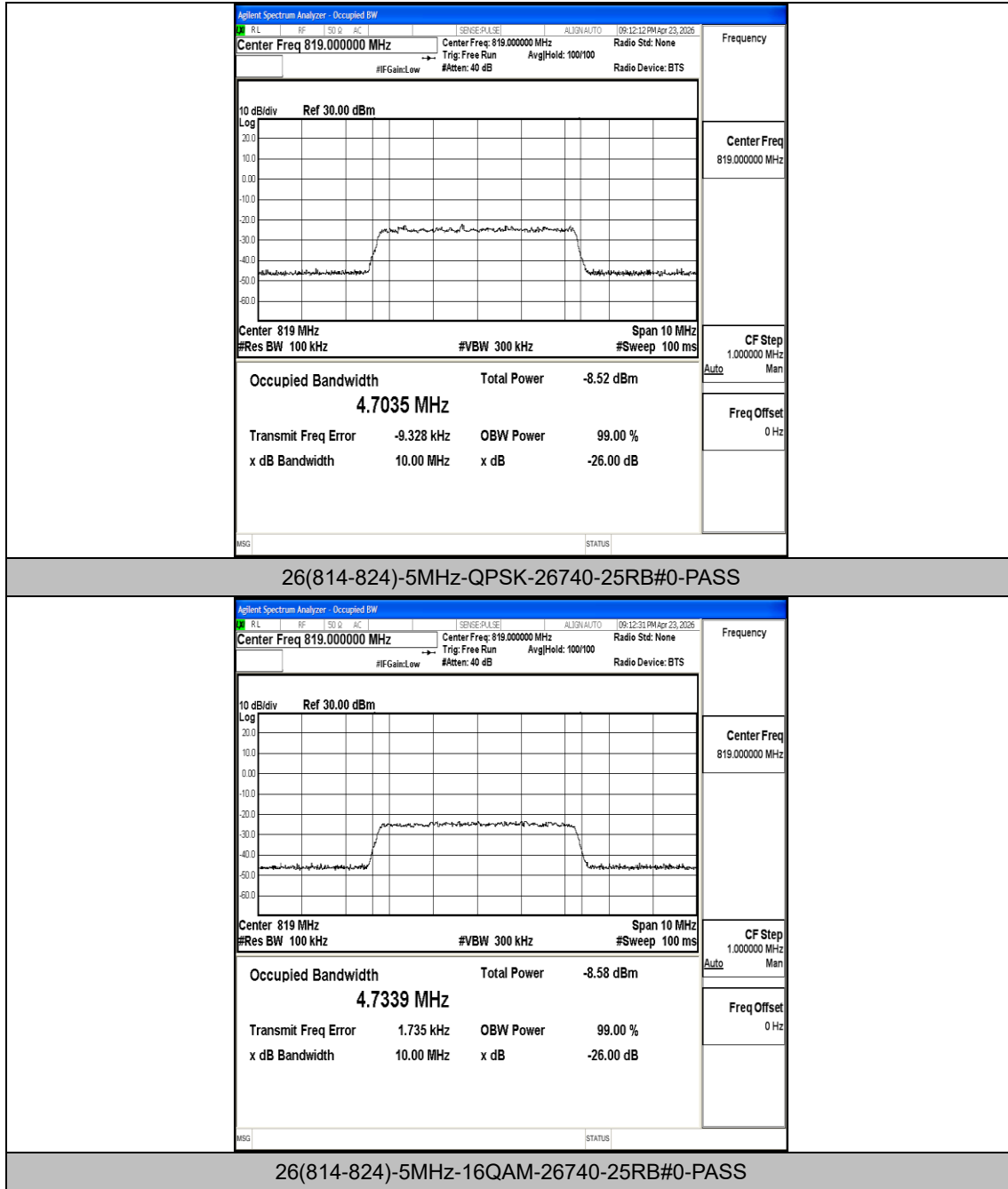


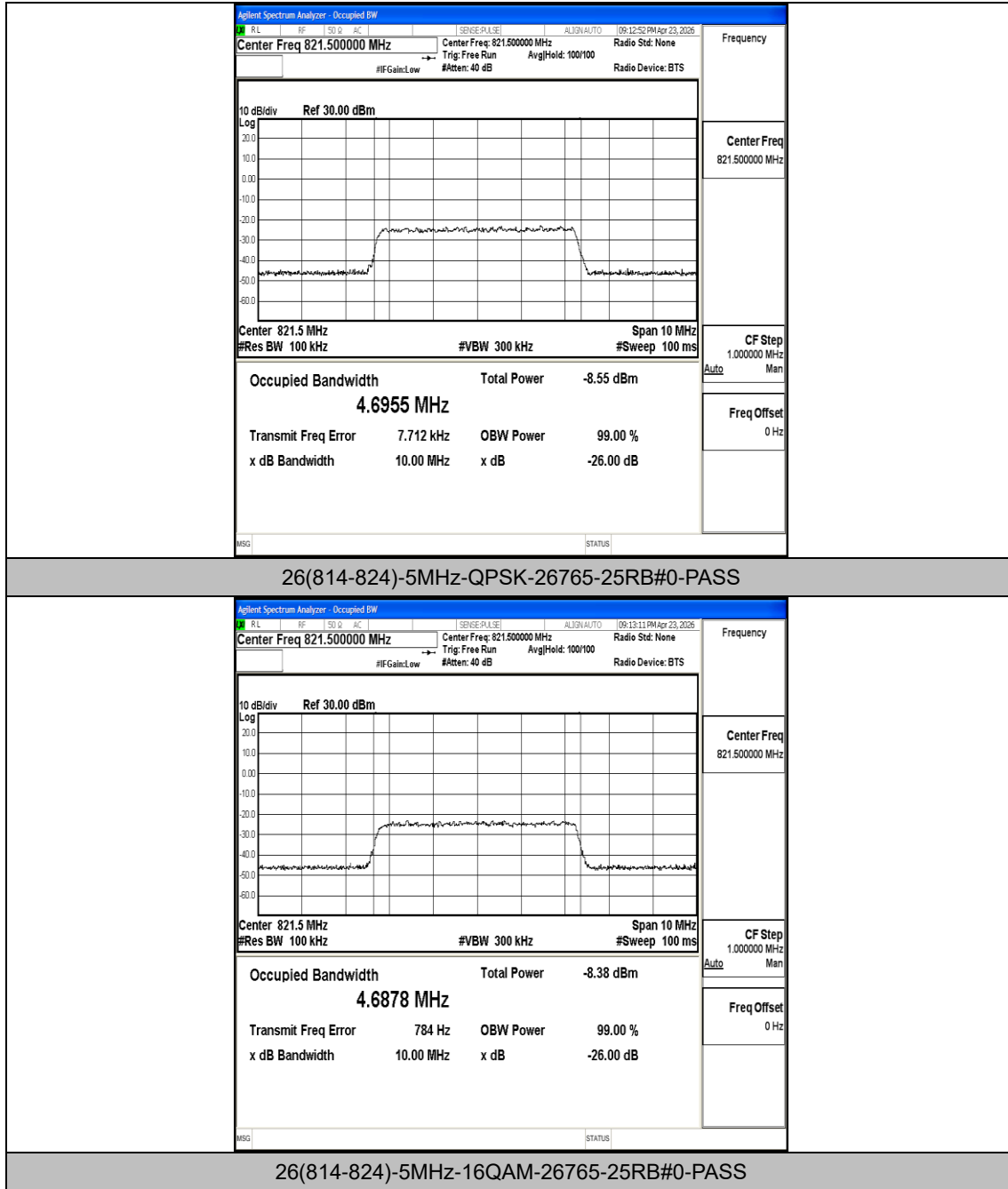


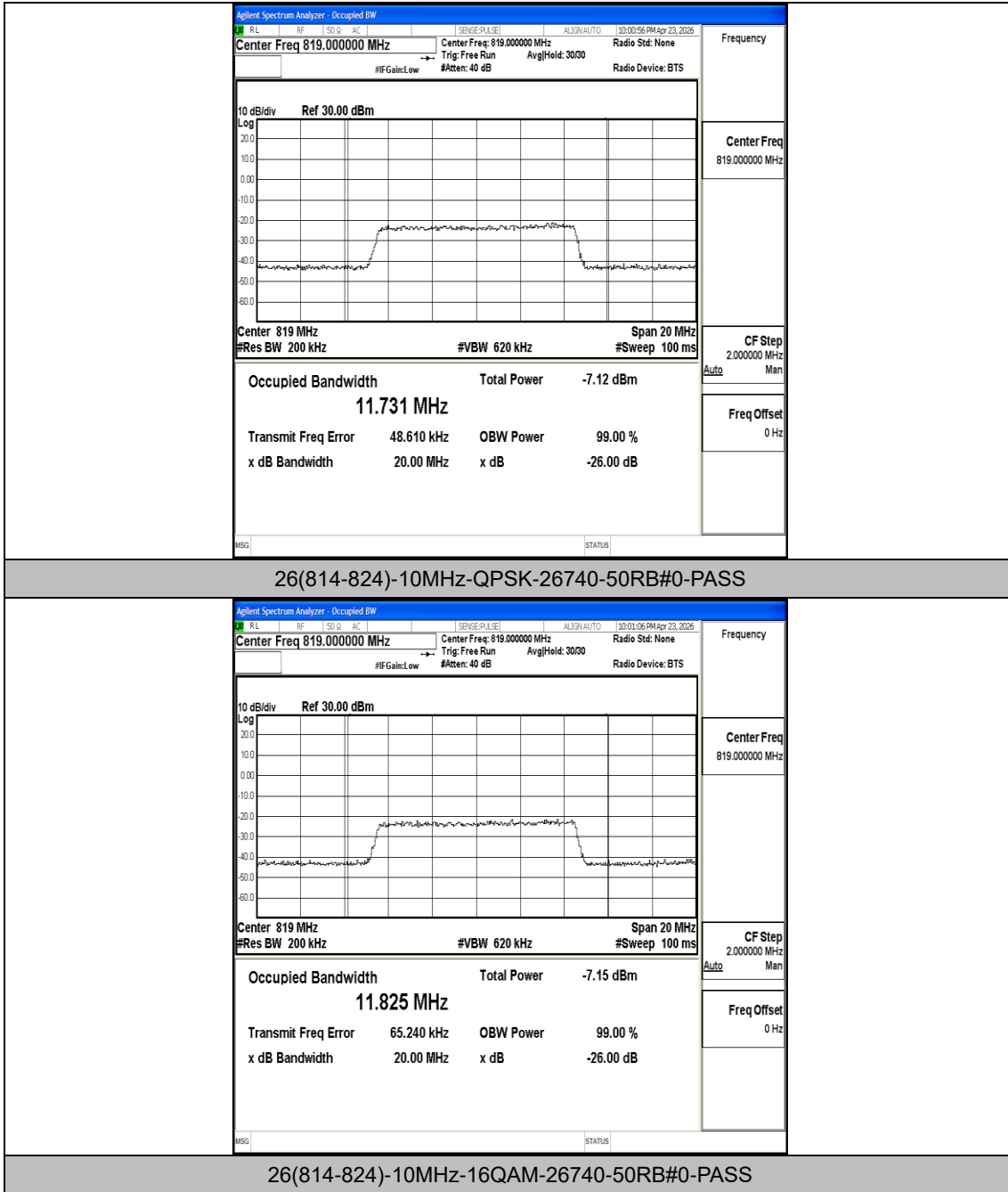










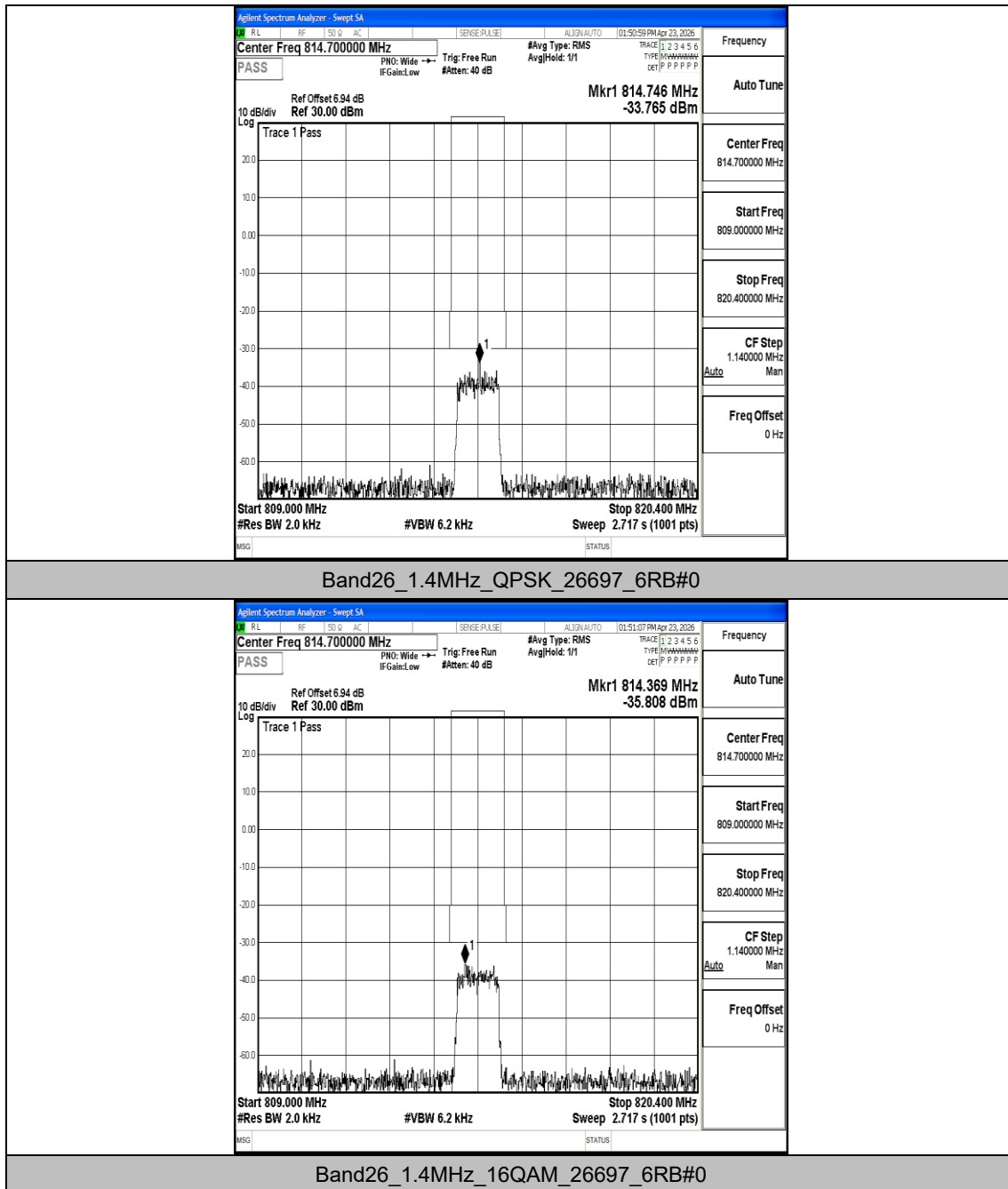


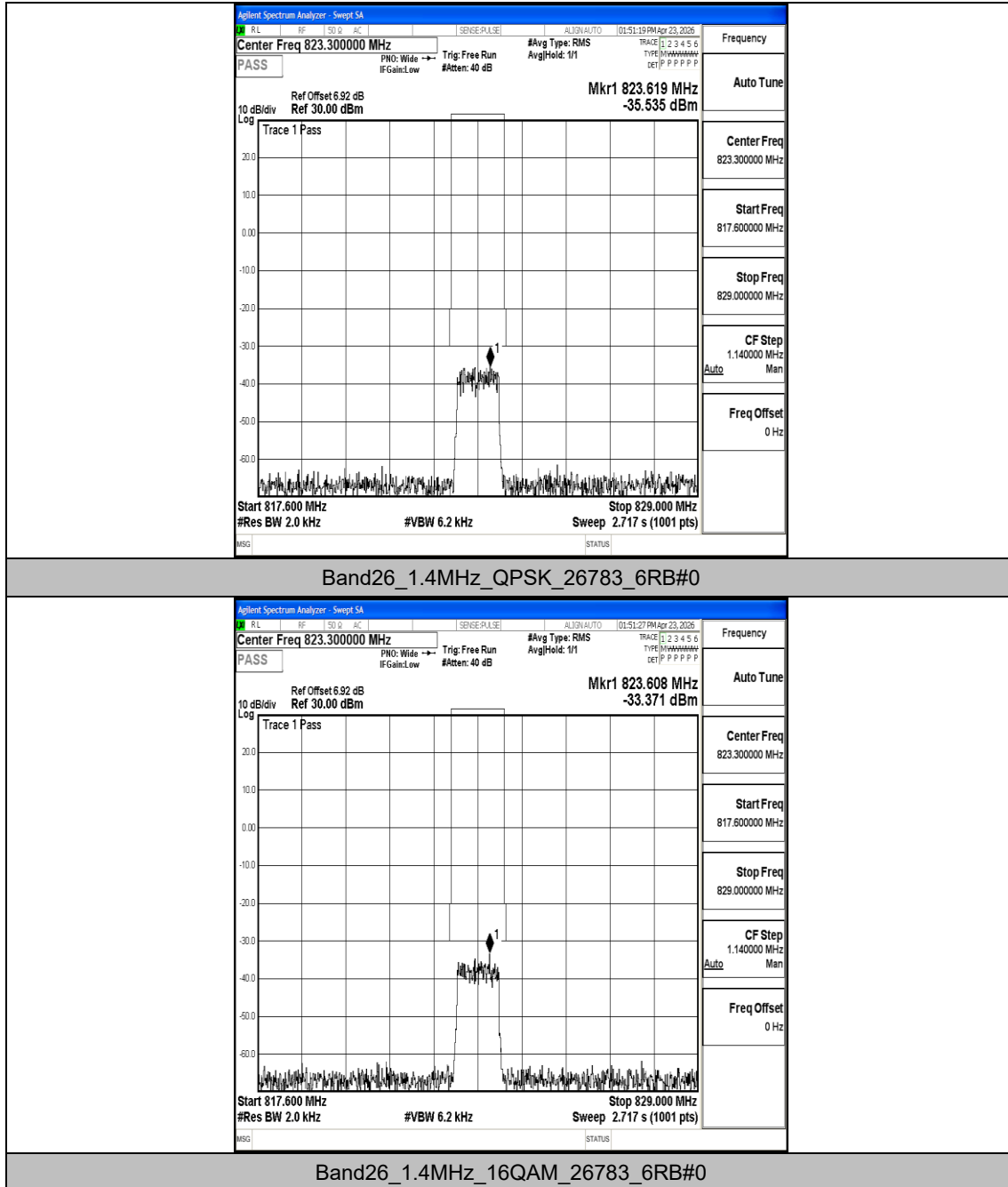
3 Band Edge

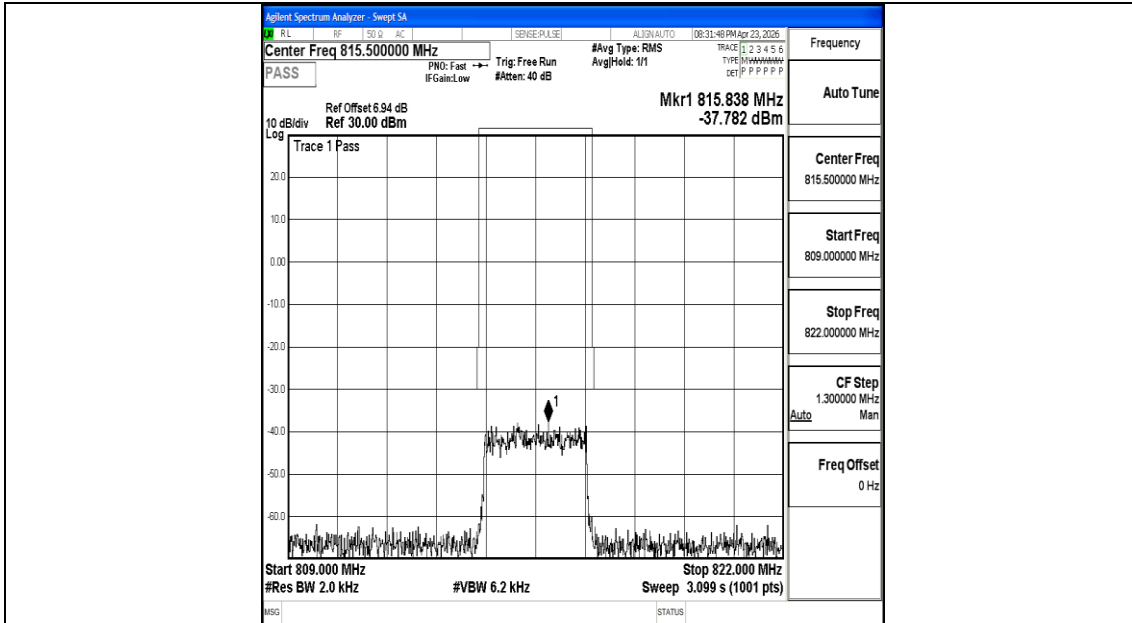
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	6RB#0	813.46	-60.89	PASS
26(814-824)	1.4MHz	16QAM	26697	6RB#0	812.55	-61.17	PASS
26(814-824)	1.4MHz	QPSK	26783	6RB#0	825.35	-61.42	PASS
26(814-824)	1.4MHz	16QAM	26783	6RB#0	827.54	-61.85	PASS
26(814-824)	3MHz	QPSK	26705	15RB#0	809.75	-61.87	PASS
26(814-824)	3MHz	16QAM	26705	15RB#0	812.21	-60.93	PASS
26(814-824)	3MHz	QPSK	26775	15RB#0	819.35	-62.24	PASS
26(814-824)	3MHz	16QAM	26775	15RB#0	827.14	-61.53	PASS
26(814-824)	5MHz	QPSK	26715	25RB#0	811.03	-61.38	PASS
26(814-824)	5MHz	16QAM	26715	25RB#0	811.12	-61.65	PASS
26(814-824)	5MHz	QPSK	26765	25RB#0	827.46	-60.62	PASS
26(814-824)	5MHz	16QAM	26765	25RB#0	817.71	-61.89	PASS
26(814-824)	10MHz	QPSK	26740	50RB#0	828.34	-61.00	PASS
26(814-824)	10MHz	16QAM	26740	50RB#0	827.74	-62.05	PASS

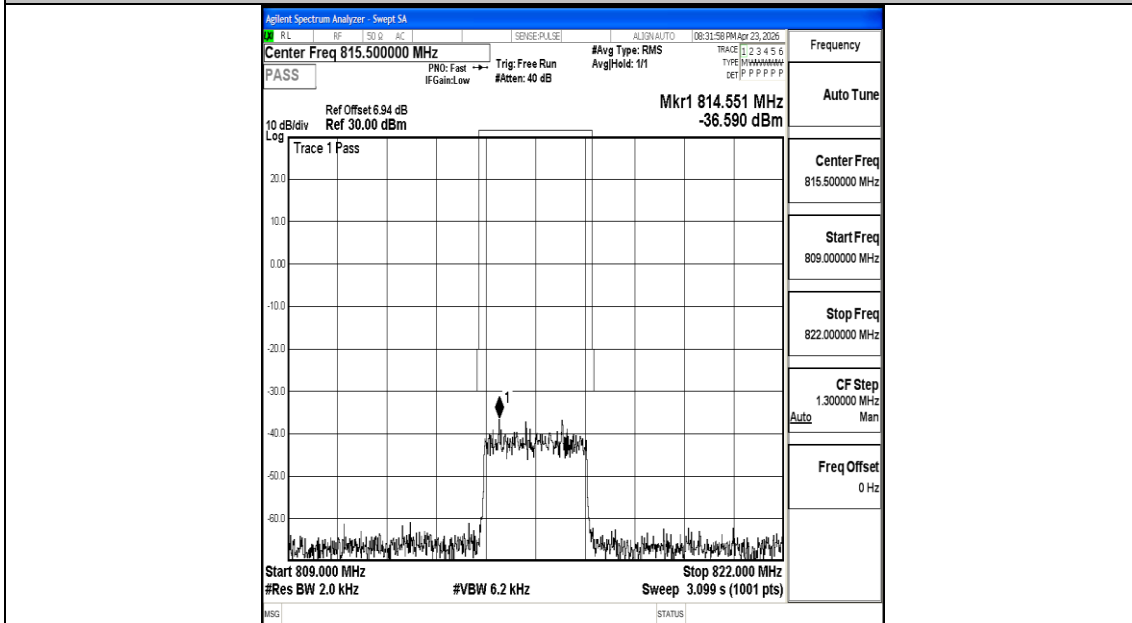
Test Graphs



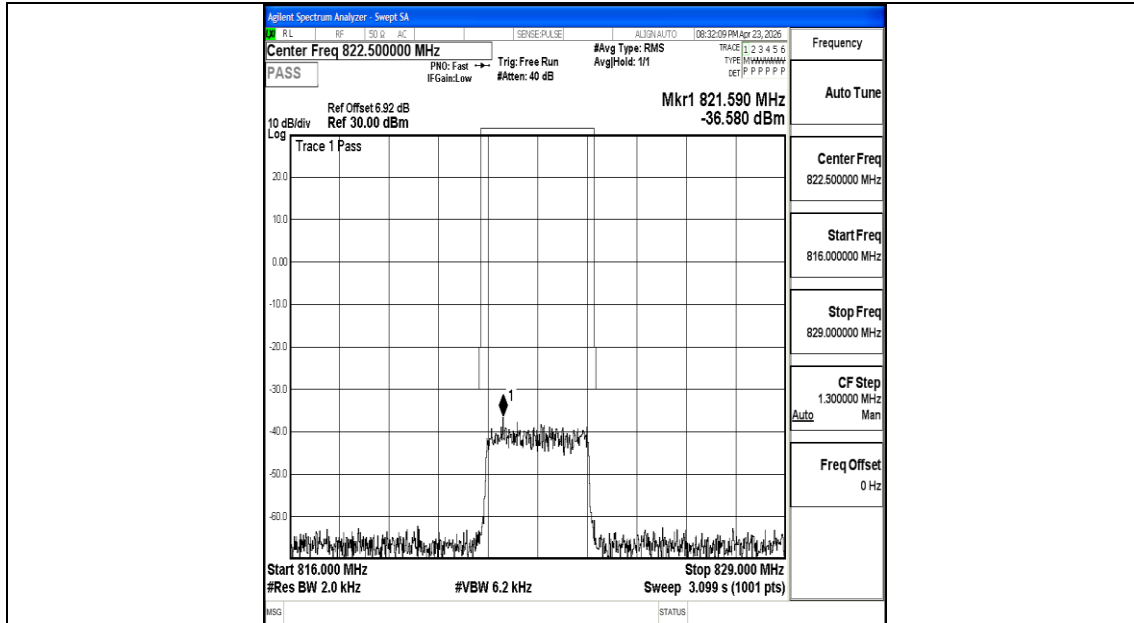




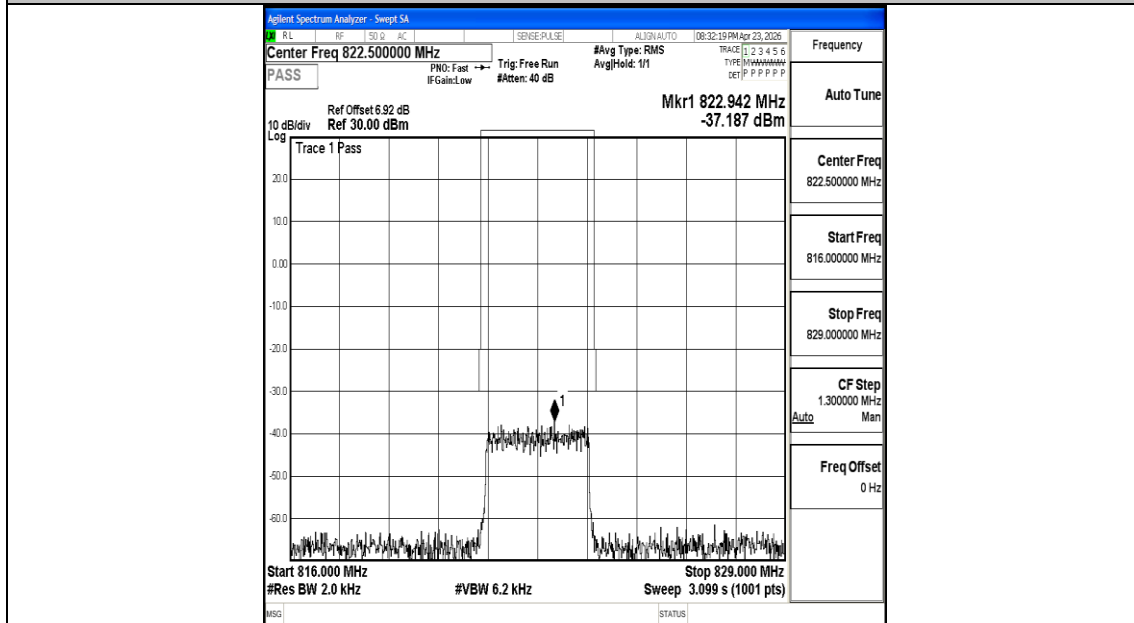
Band26_3MHz_QPSK_26705_15RB#0



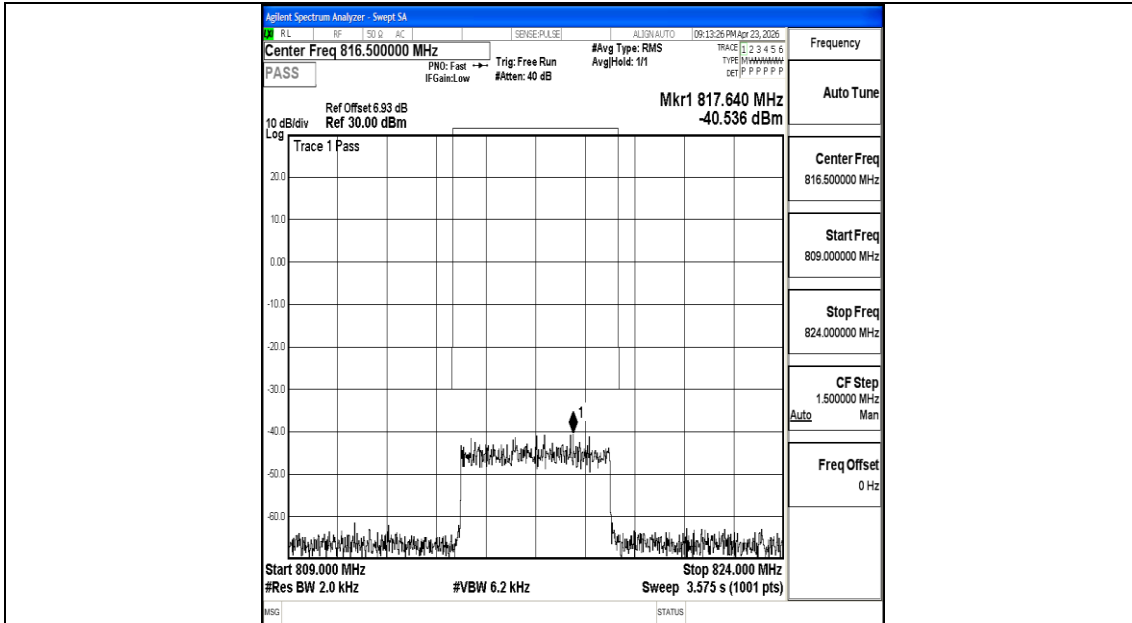
Band26_3MHz_16QAM_26705_15RB#0



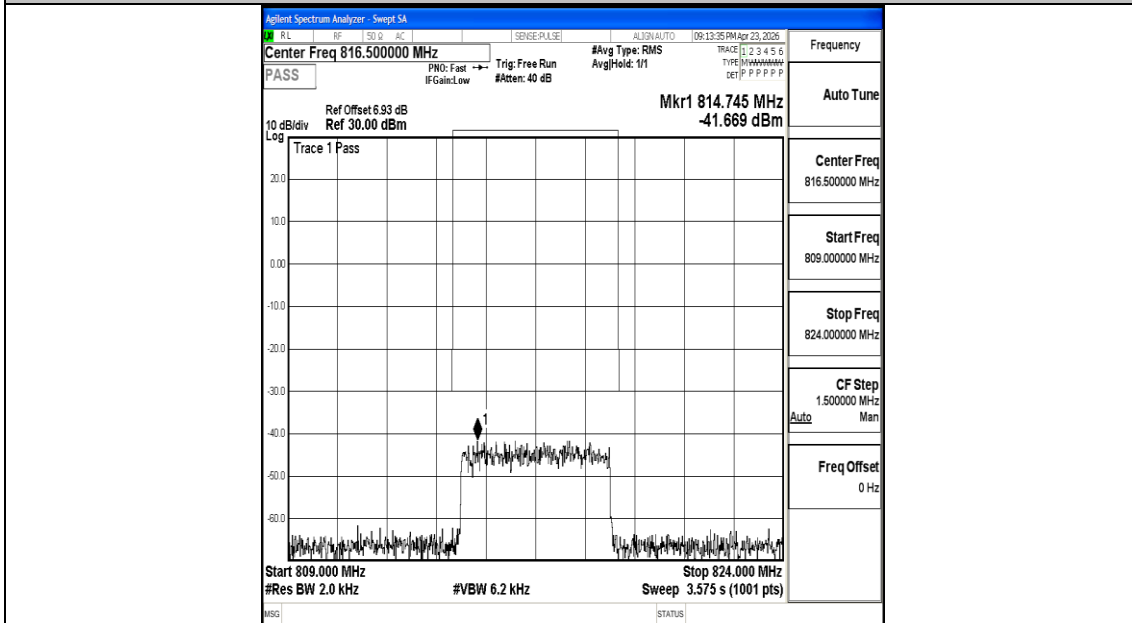
Band26_3MHz_QPSK_26775_15RB#0



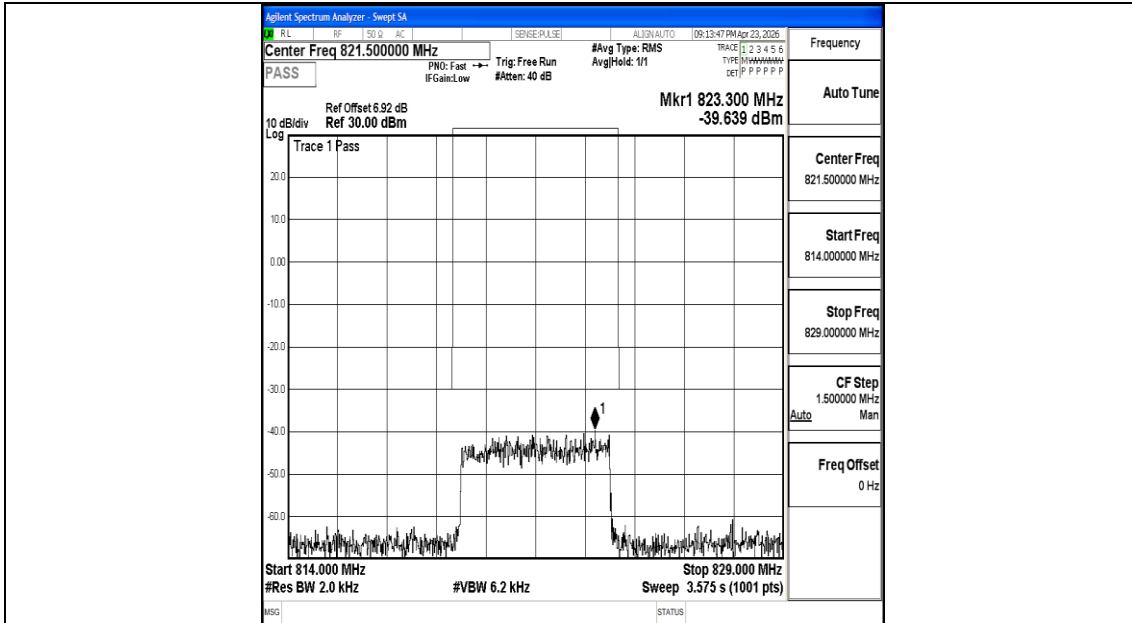
Band26_3MHz_16QAM_26775_15RB#0



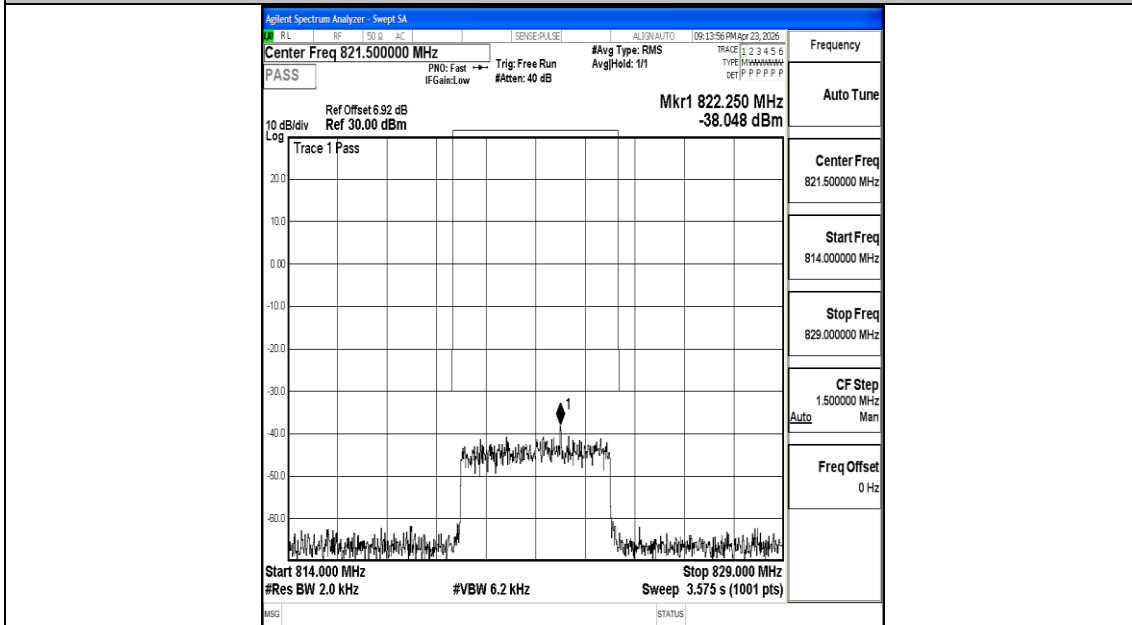
Band26_5MHz_QPSK_26715_25RB#0



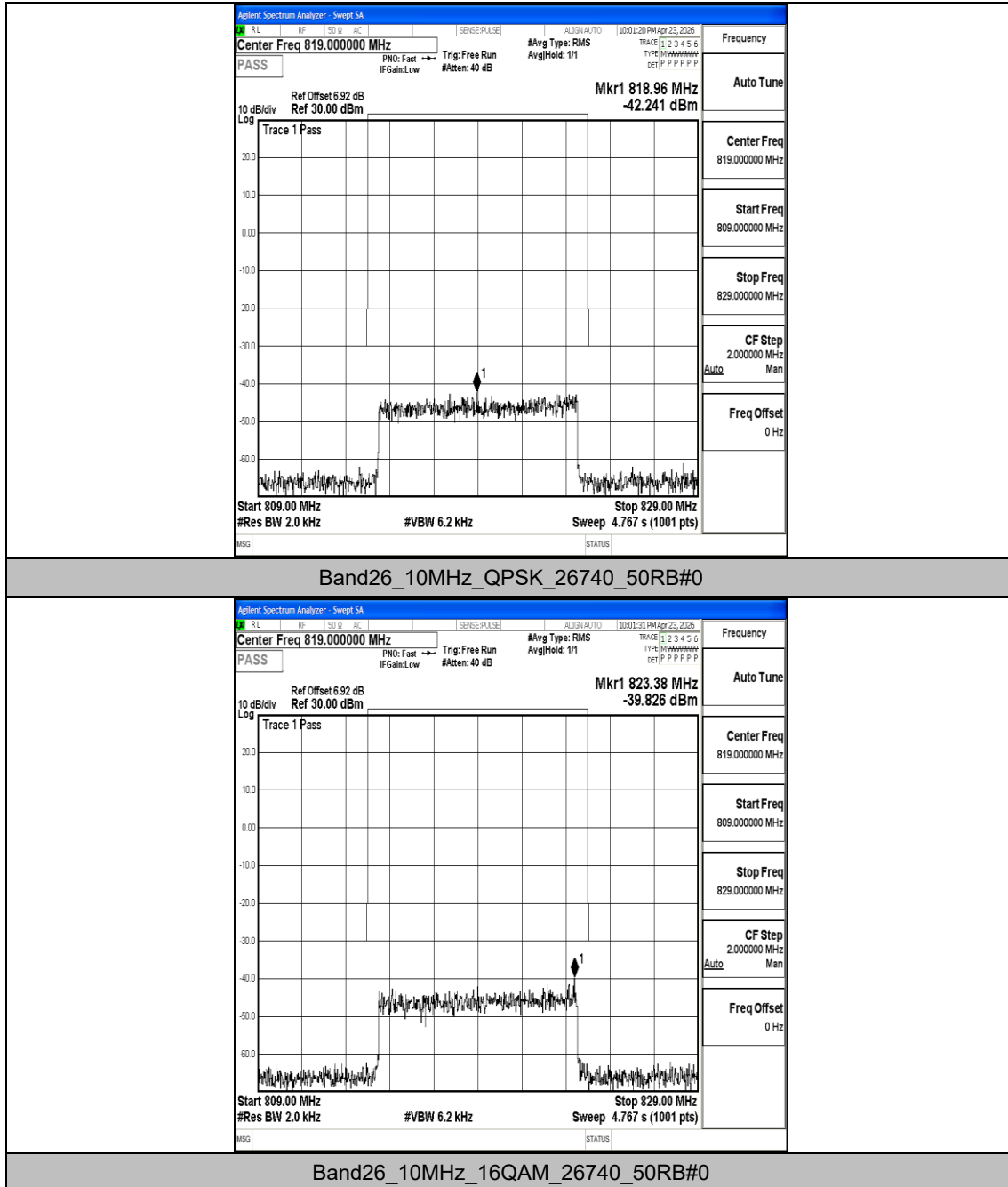
Band26_5MHz_16QAM_26715_25RB#0



Band26_5MHz_QPSK_26765_25RB#0



Band26_5MHz_16QAM_26765_25RB#0



4 Conducted Spurious Emission

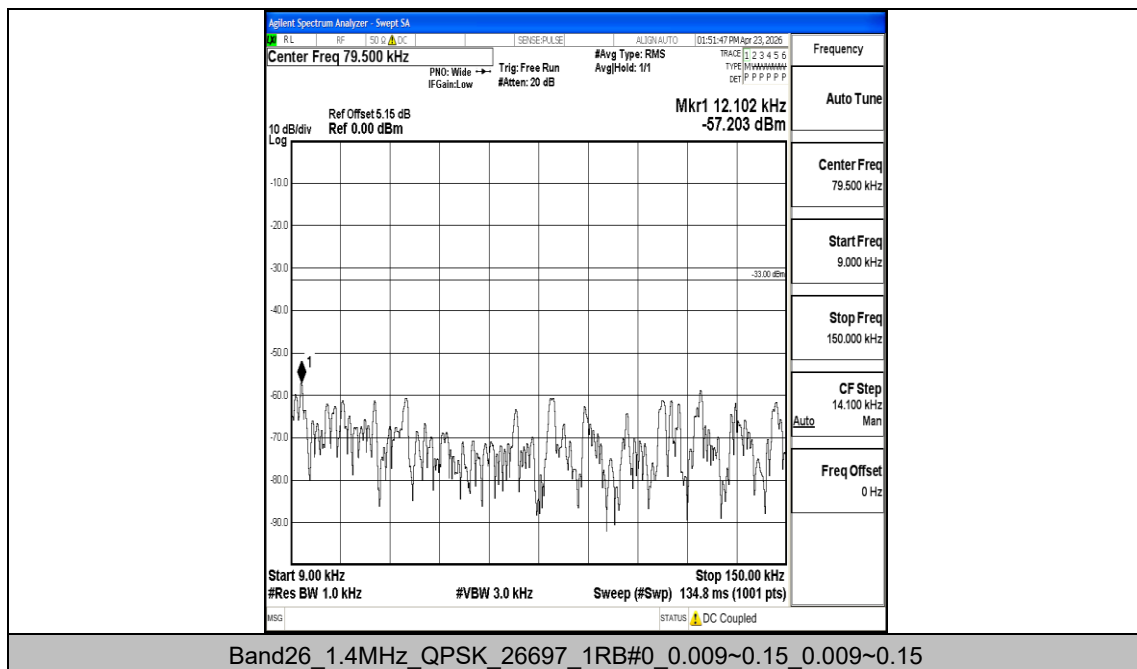
Test Result

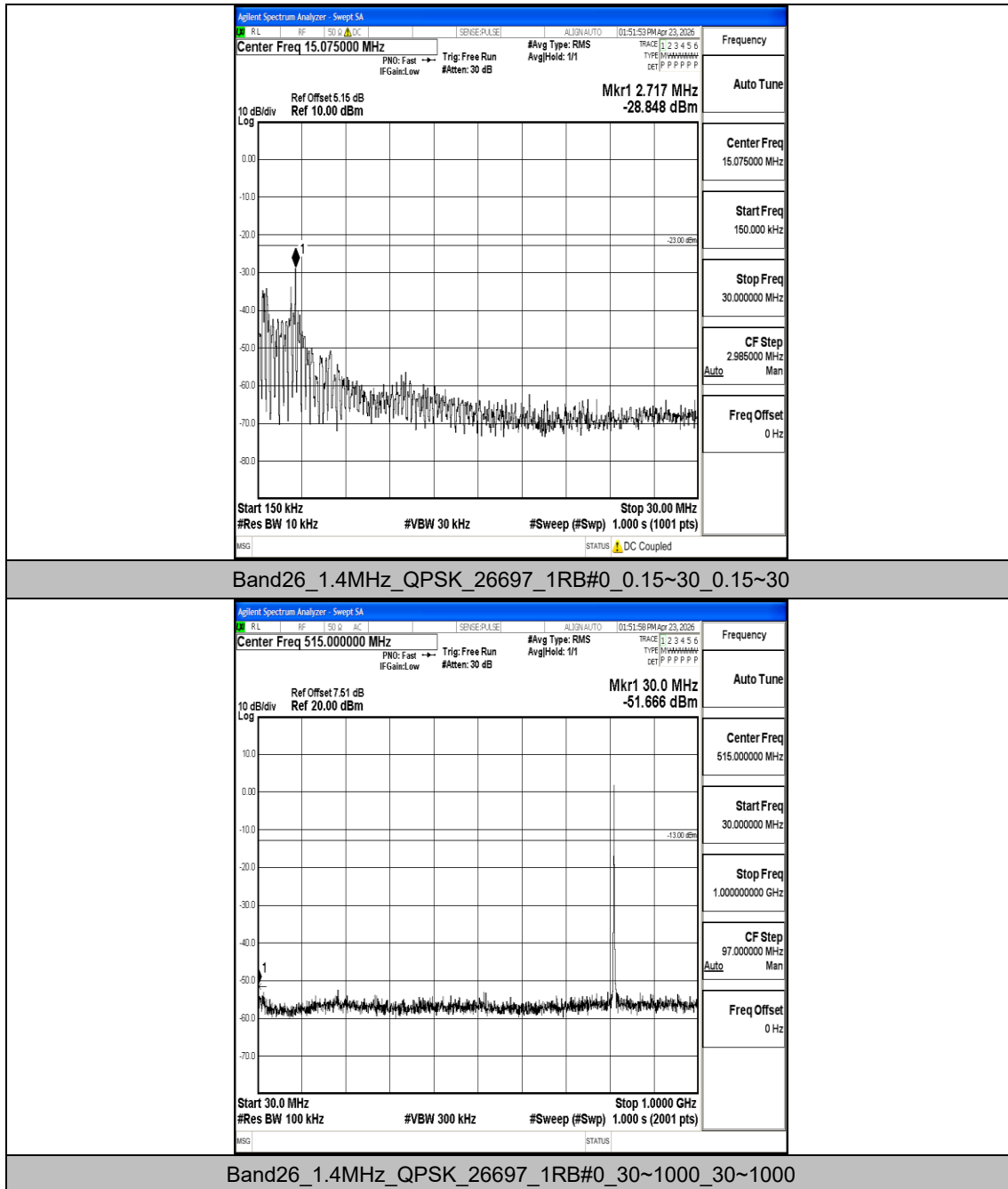
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
26(814-824)	1.4MHz	QPSK	26697	1RB#0	0.009~0.15	-57.20	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#0	0.15~30	-28.85	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#0	30~1000	-51.67	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#0	1000~3000	-38.95	PASS
26(814-824)	1.4MHz	QPSK	26697	1RB#0	3000~10000	-35.10	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	0.009~0.15	-57.11	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	0.15~30	-32.45	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	30~1000	-49.56	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	1000~3000	-39.23	PASS
26(814-824)	1.4MHz	16QAM	26697	1RB#0	3000~10000	-36.06	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	0.009~0.15	-53.87	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	0.15~30	-36.12	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	30~1000	-51.33	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	1000~3000	-38.97	PASS
26(814-824)	1.4MHz	QPSK	26740	1RB#0	3000~10000	-35.21	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	0.009~0.15	-58.78	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	0.15~30	-35.98	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	30~1000	-52.57	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	1000~3000	-38.22	PASS
26(814-824)	1.4MHz	16QAM	26740	1RB#0	3000~10000	-34.81	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	0.009~0.15	-56.08	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	0.15~30	-33.67	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	30~1000	-52.97	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	1000~3000	-39.04	PASS
26(814-824)	1.4MHz	QPSK	26783	1RB#0	3000~10000	-35.66	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	0.009~0.15	-53.72	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	0.15~30	-31.59	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	30~1000	-51.57	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	1000~3000	-39.32	PASS
26(814-824)	1.4MHz	16QAM	26783	1RB#0	3000~10000	-35.17	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	0.009~0.15	-55.67	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	0.15~30	-46.65	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	30~1000	-53.29	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	1000~3000	-39.33	PASS
26(814-824)	3MHz	QPSK	26705	1RB#0	3000~10000	-35.39	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	0.009~0.15	-54.72	PASS

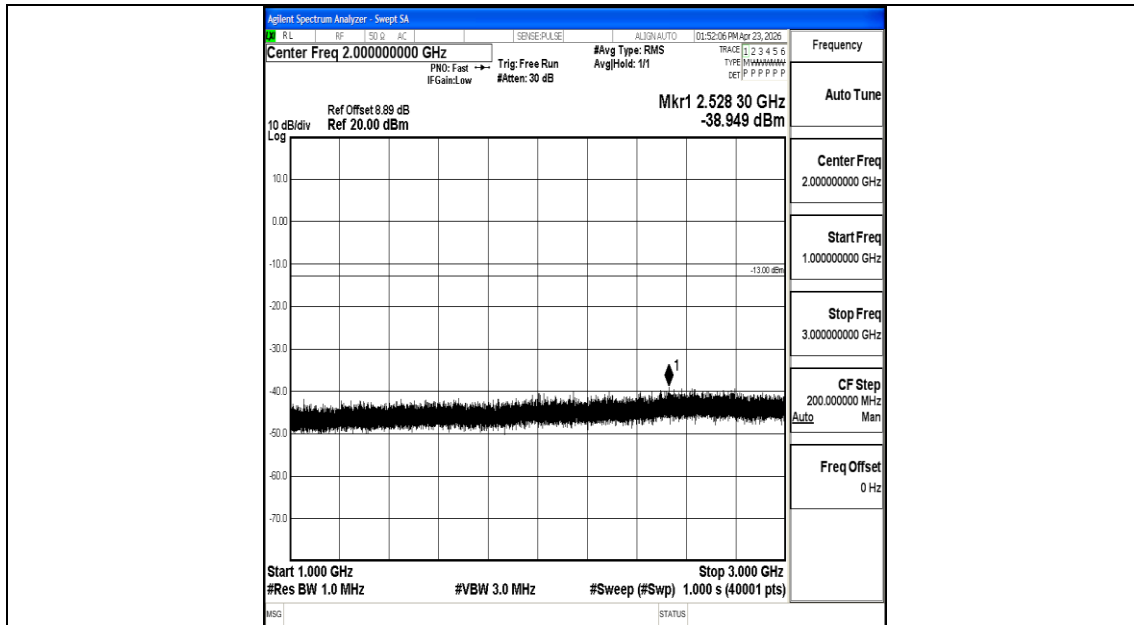
26(814-824)	3MHz	16QAM	26705	1RB#0	0.15~30	-44.93	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	30~1000	-52.98	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	1000~3000	-39.04	PASS
26(814-824)	3MHz	16QAM	26705	1RB#0	3000~10000	-34.54	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	0.009~0.15	-56.54	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	0.15~30	-46.19	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	30~1000	-51.93	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	1000~3000	-38.84	PASS
26(814-824)	3MHz	QPSK	26740	1RB#0	3000~10000	-35.04	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	0.009~0.15	-59.38	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	0.15~30	-47.14	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	30~1000	-53.14	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	1000~3000	-38.80	PASS
26(814-824)	3MHz	16QAM	26740	1RB#0	3000~10000	-35.40	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	0.009~0.15	-57.50	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	0.15~30	-45.02	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	30~1000	-52.92	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	1000~3000	-39.02	PASS
26(814-824)	3MHz	QPSK	26775	1RB#0	3000~10000	-35.40	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	0.009~0.15	-57.79	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	0.15~30	-46.38	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	30~1000	-53.10	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	1000~3000	-38.97	PASS
26(814-824)	3MHz	16QAM	26775	1RB#0	3000~10000	-35.08	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	0.009~0.15	-56.54	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	0.15~30	-32.34	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	30~1000	-52.73	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	1000~3000	-38.71	PASS
26(814-824)	5MHz	QPSK	26715	1RB#0	3000~10000	-35.31	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	0.009~0.15	-55.90	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	0.15~30	-30.68	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	30~1000	-50.10	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	1000~3000	-38.80	PASS
26(814-824)	5MHz	16QAM	26715	1RB#0	3000~10000	-35.41	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	0.009~0.15	-51.31	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	0.15~30	-33.61	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	30~1000	-50.46	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	1000~3000	-38.89	PASS
26(814-824)	5MHz	QPSK	26740	1RB#0	3000~10000	-35.90	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	0.009~0.15	-56.95	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	0.15~30	-31.13	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	30~1000	-52.85	PASS
26(814-824)	5MHz	16QAM	26740	1RB#0	1000~3000	-38.64	PASS

26(814-824)	5MHz	16QAM	26740	1RB#0	3000~10000	-34.92	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	0.009~0.15	-56.86	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	0.15~30	-28.14	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	30~1000	-52.37	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	1000~3000	-38.92	PASS
26(814-824)	5MHz	QPSK	26765	1RB#0	3000~10000	-35.37	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	0.009~0.15	-55.76	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	0.15~30	-34.67	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	30~1000	-52.84	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	1000~3000	-38.86	PASS
26(814-824)	5MHz	16QAM	26765	1RB#0	3000~10000	-35.42	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	0.009~0.15	-56.60	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	0.15~30	-31.43	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	30~1000	-52.17	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	1000~3000	-37.65	PASS
26(814-824)	10MHz	QPSK	26740	1RB#0	3000~10000	-34.80	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	0.009~0.15	-59.01	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	0.15~30	-32.77	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	30~1000	-53.35	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	1000~3000	-38.91	PASS
26(814-824)	10MHz	16QAM	26740	1RB#0	3000~10000	-35.41	PASS

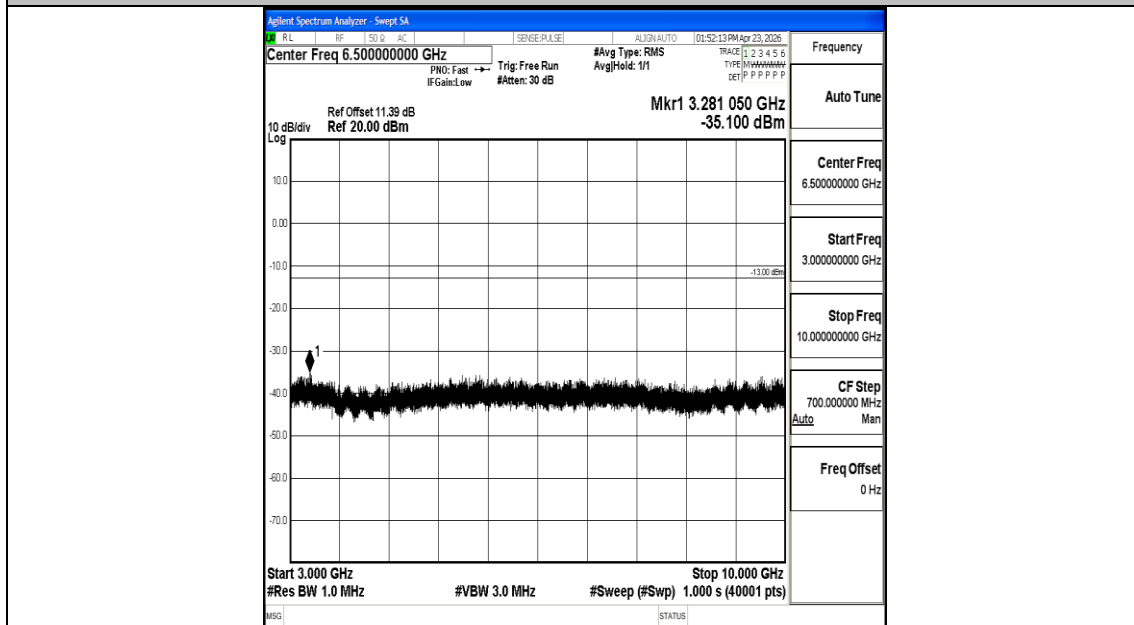
Test Graphs



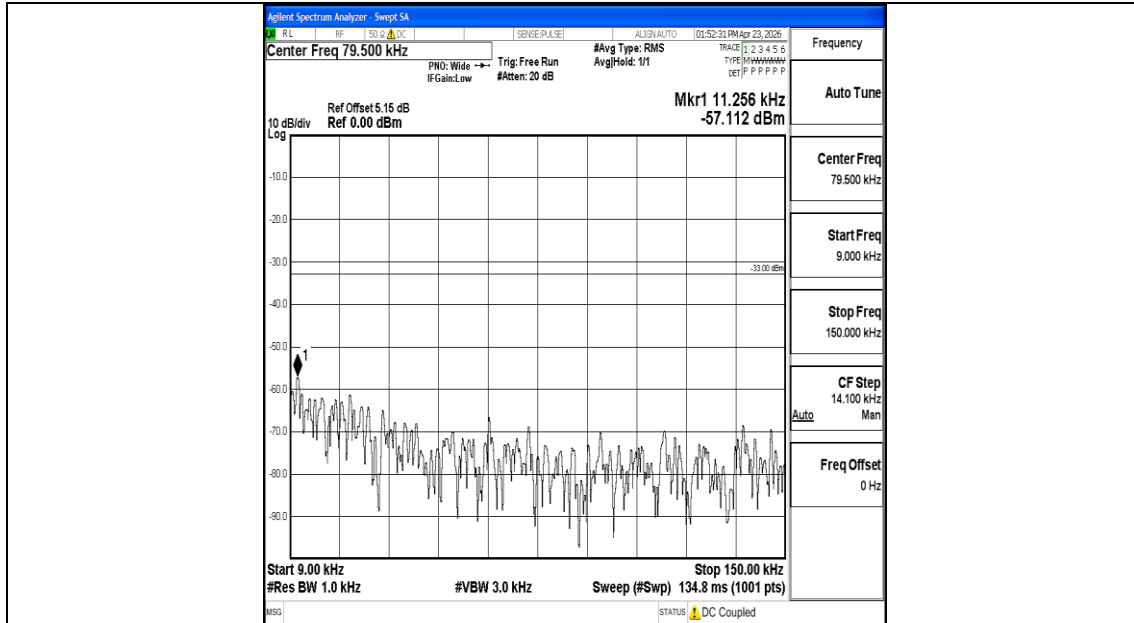




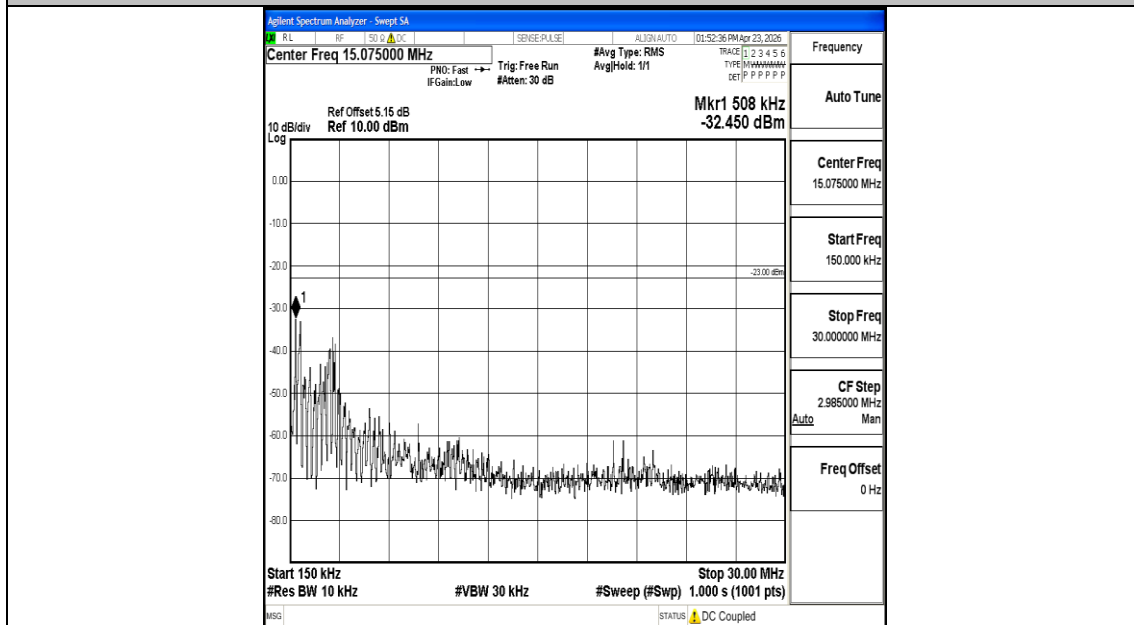
Band26_1.4MHz_QPSK_26697_1RB#0_1000~3000_1000~3000



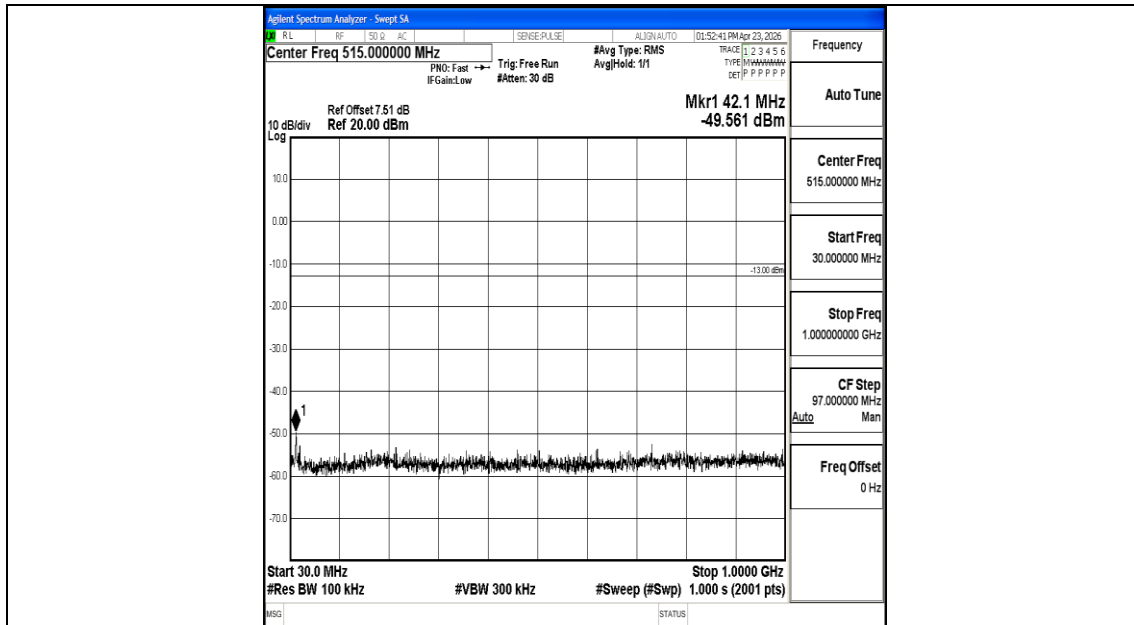
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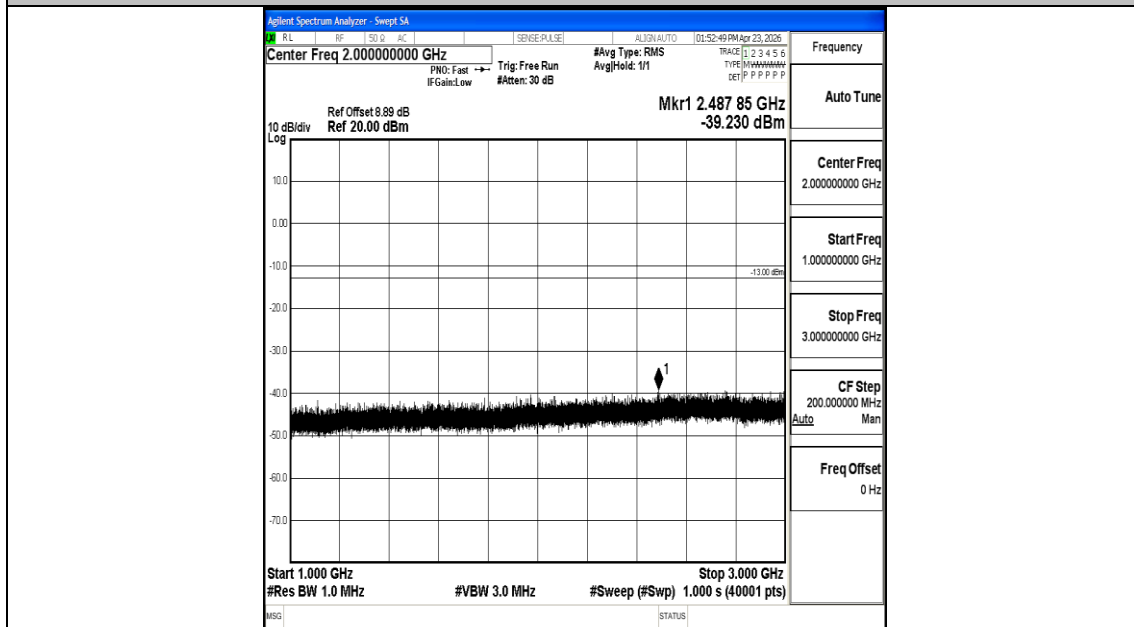
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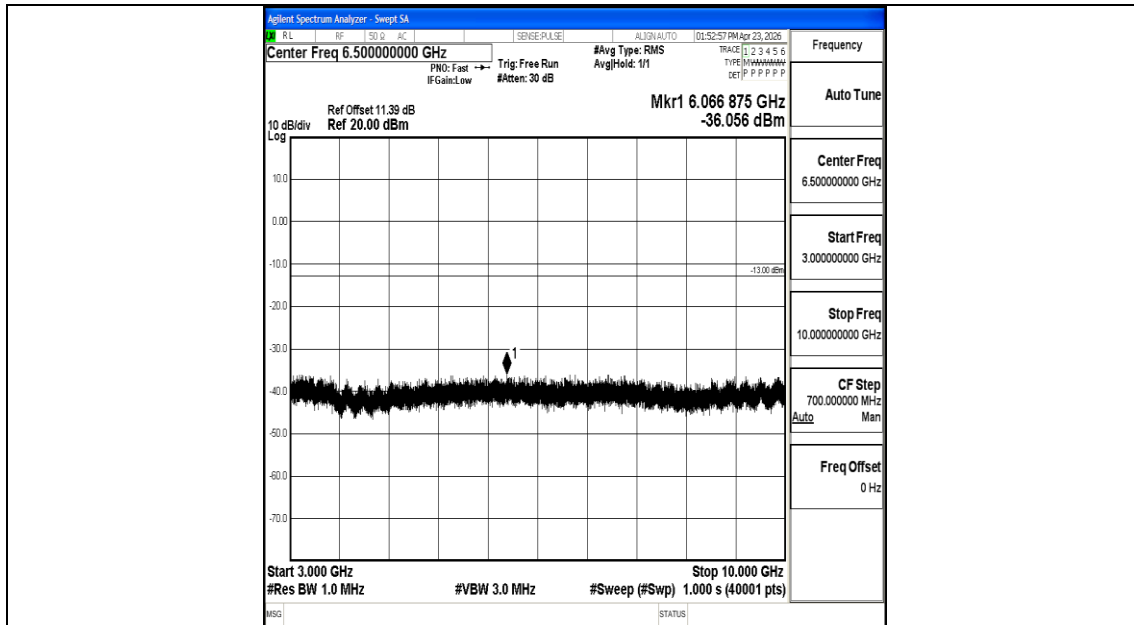
Band26_1.4MHz_16QAM_26697_1RB#0_0.15~30_0.15~30



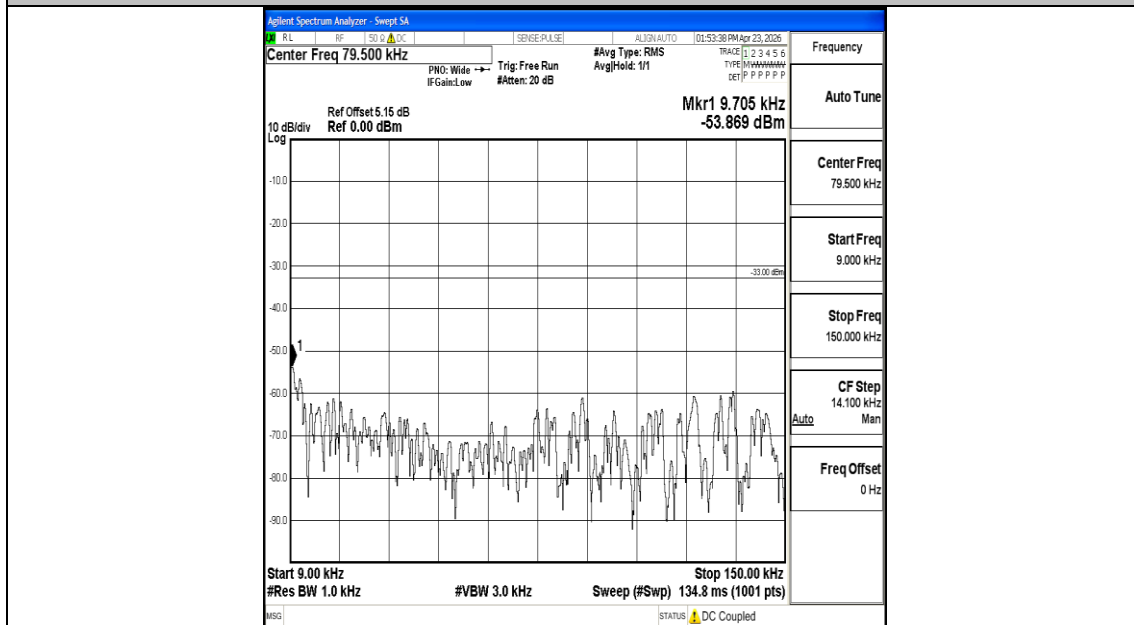
Band26_1.4MHz_16QAM_26697_1RB#0_30~1000_30~1000



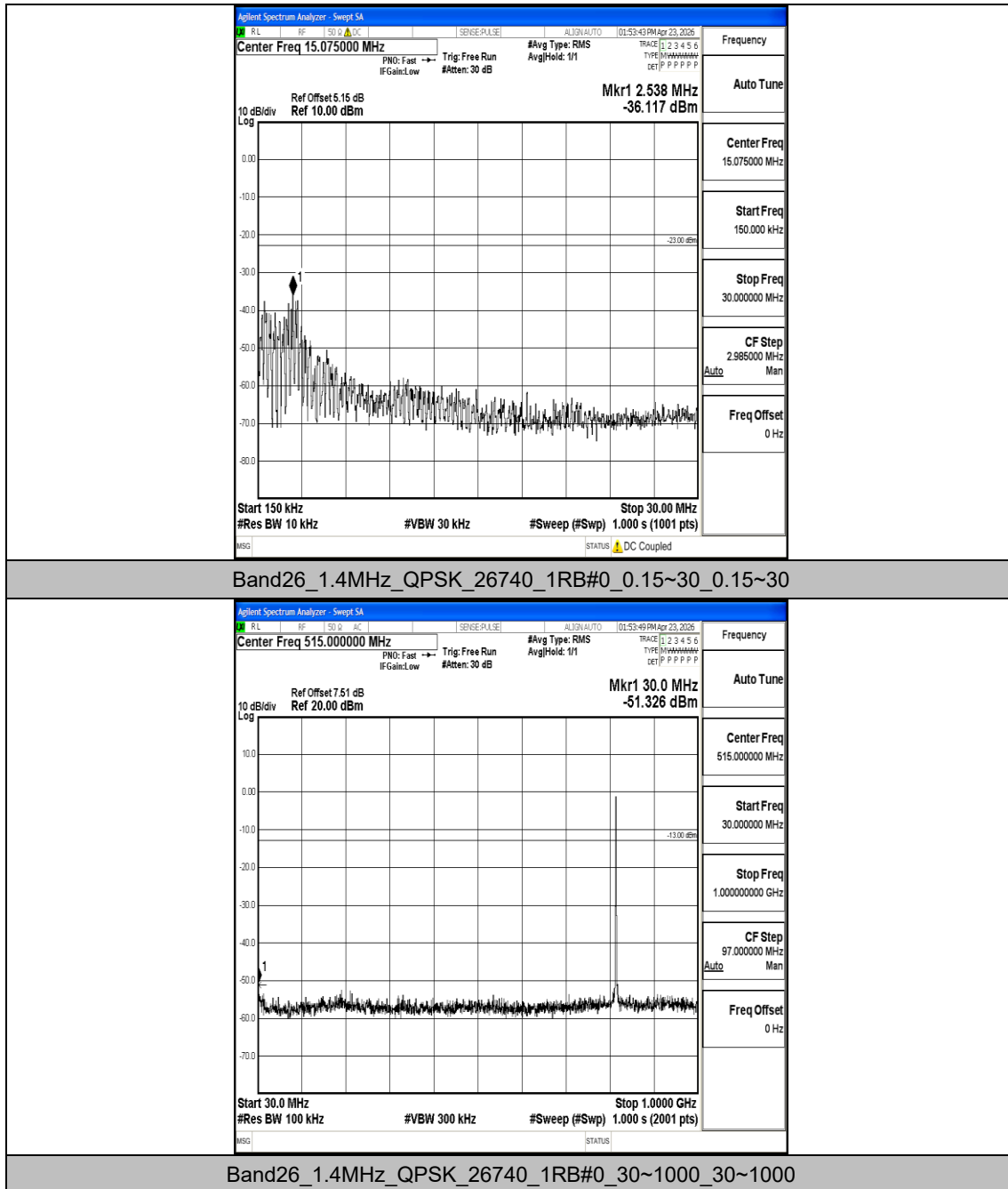
Band26_1.4MHz_16QAM_26697_1RB#0_1000~3000_1000~3000

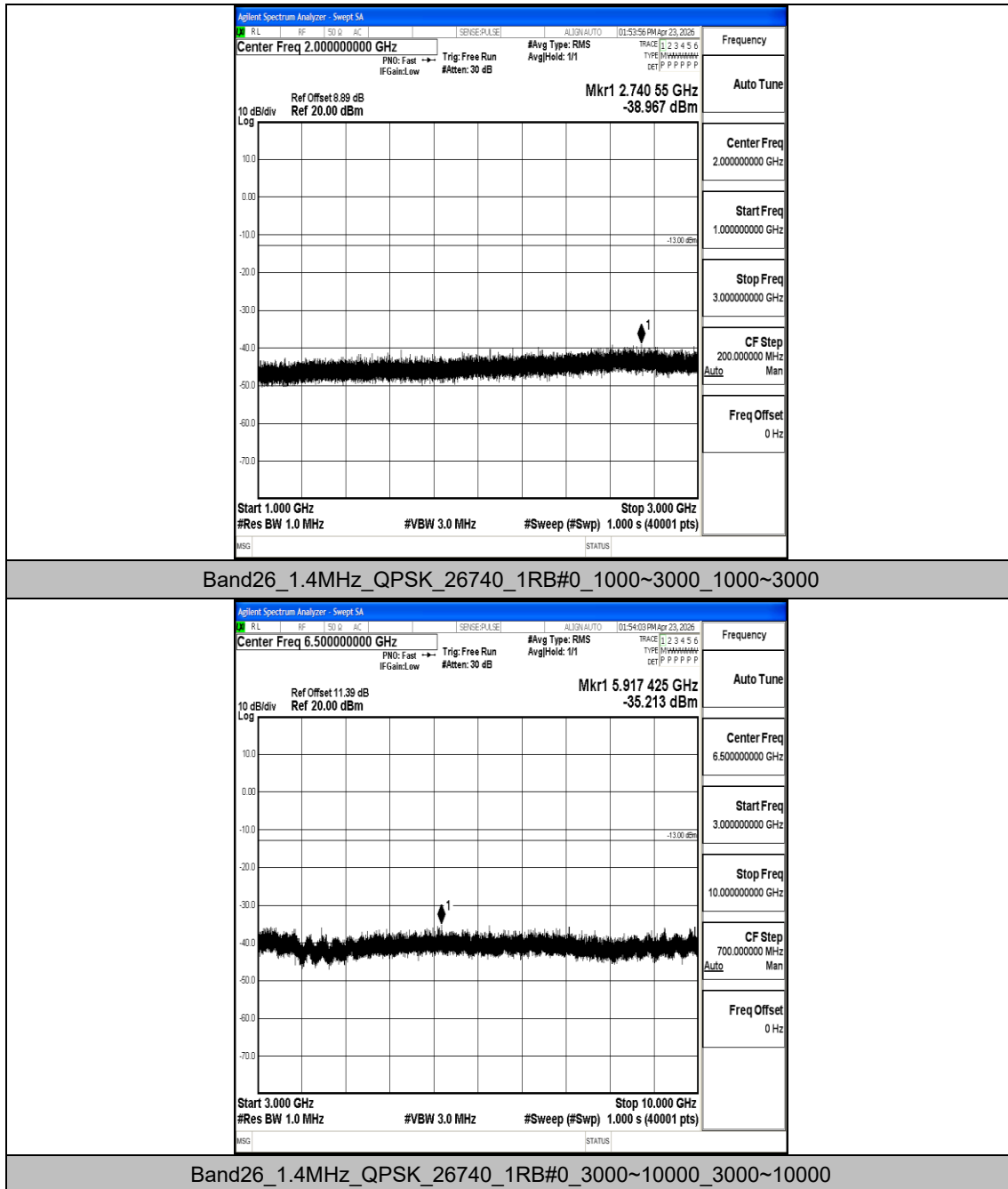


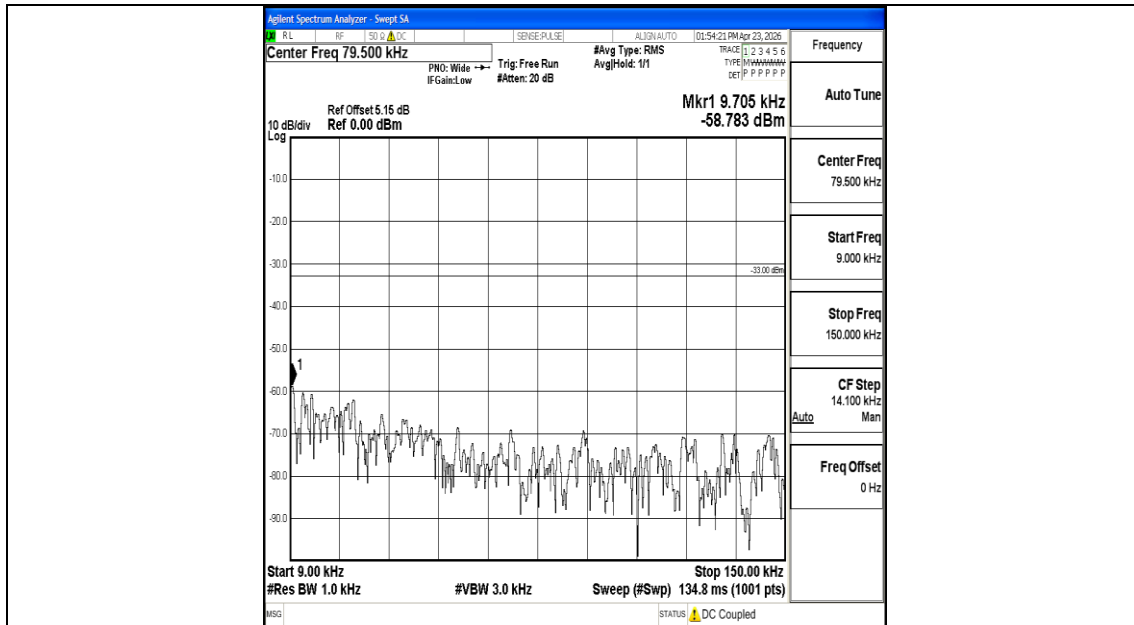
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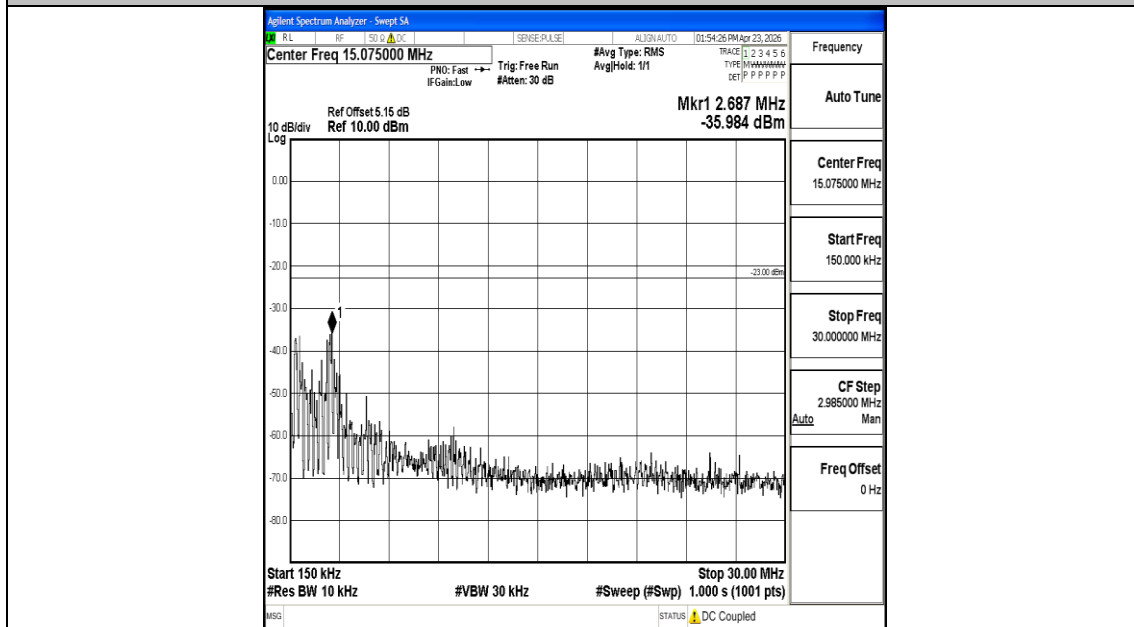
Band26_1.4MHz_QPSK_26740_1RB#0_0.009~0.15_0.009~0.15



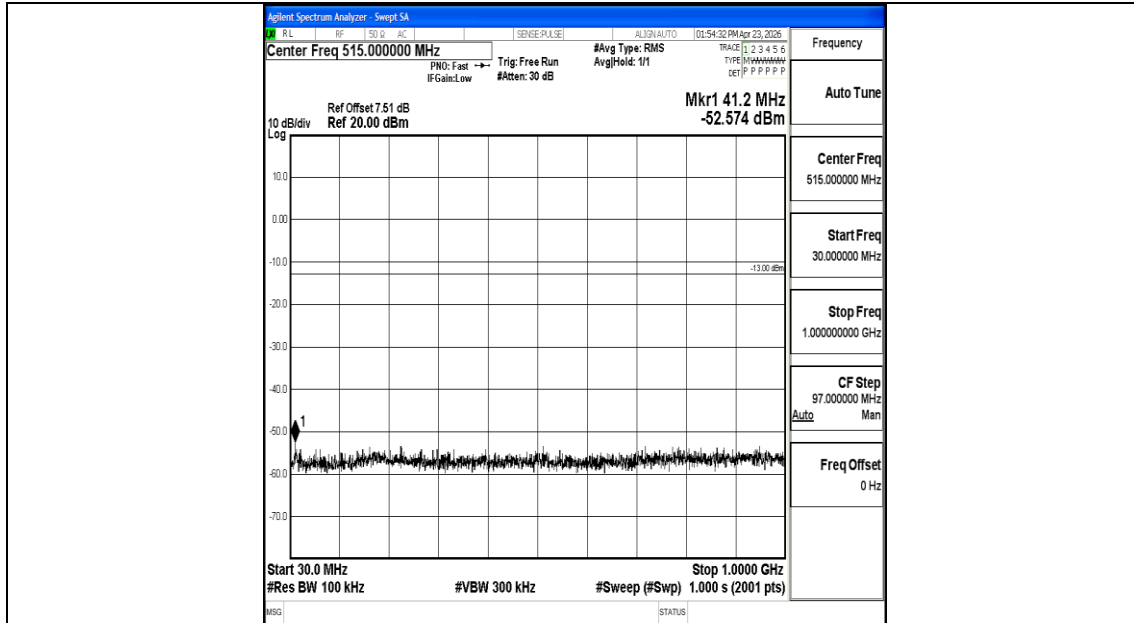




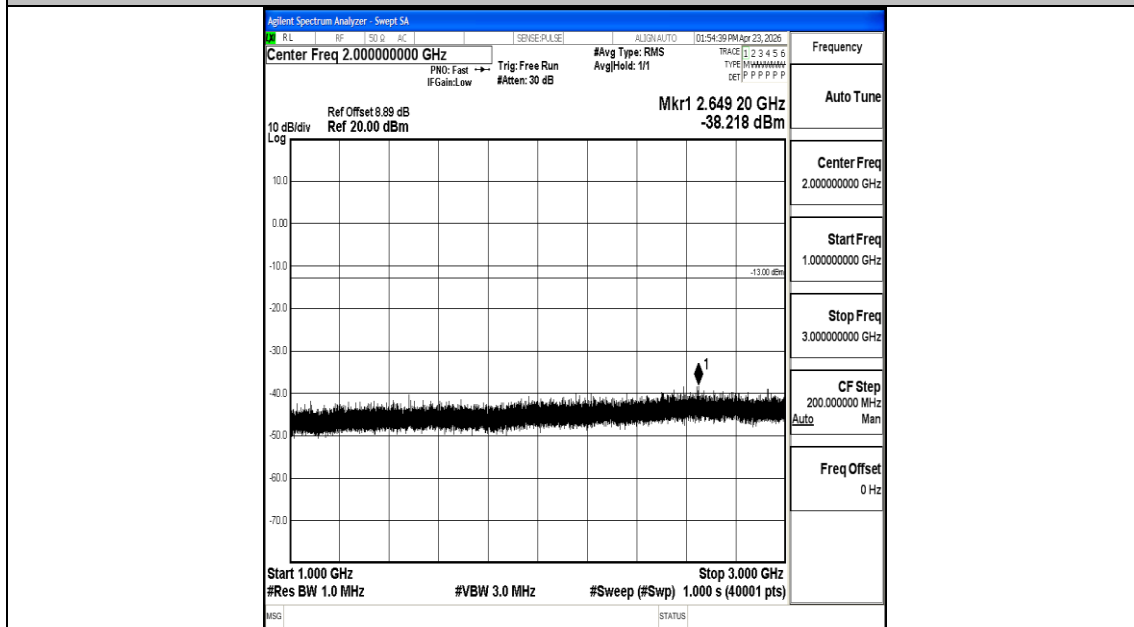
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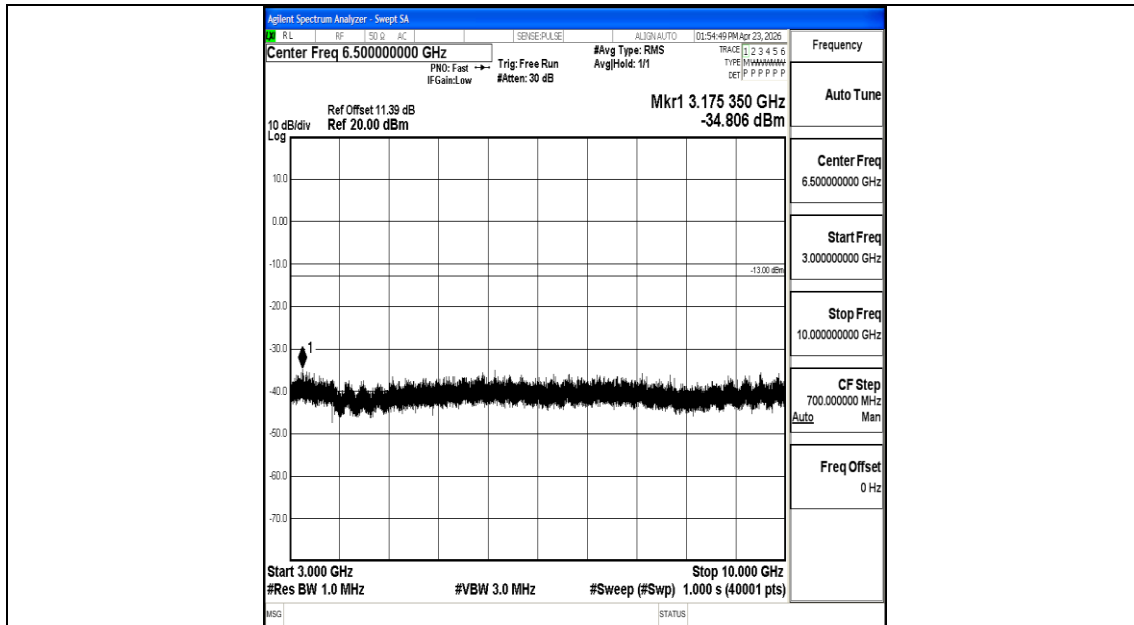
Band26_1.4MHz_16QAM_26740_1RB#0_0.15~30_0.15~30



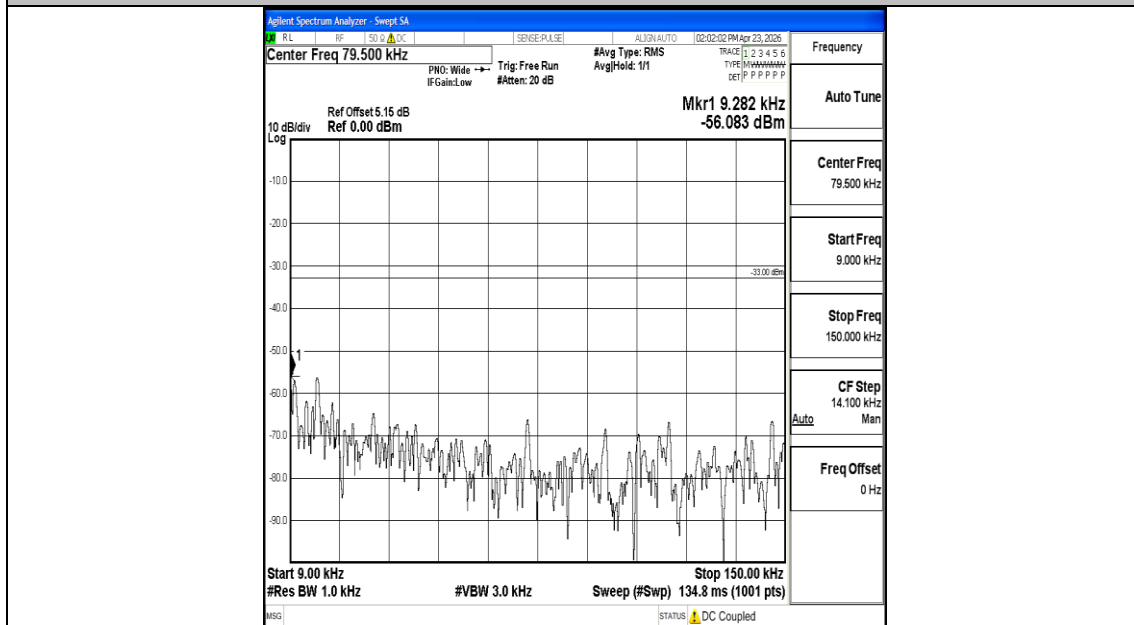
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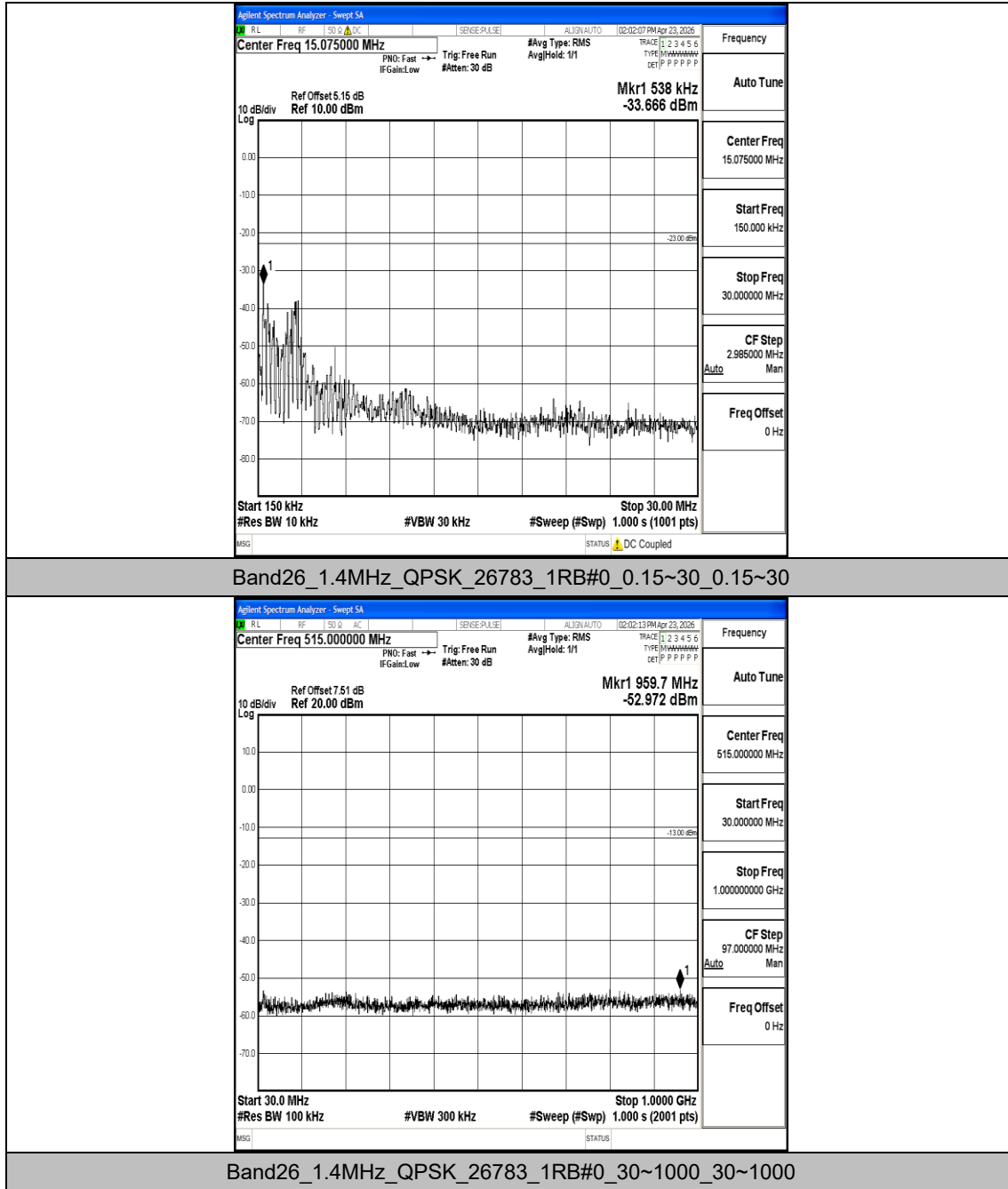
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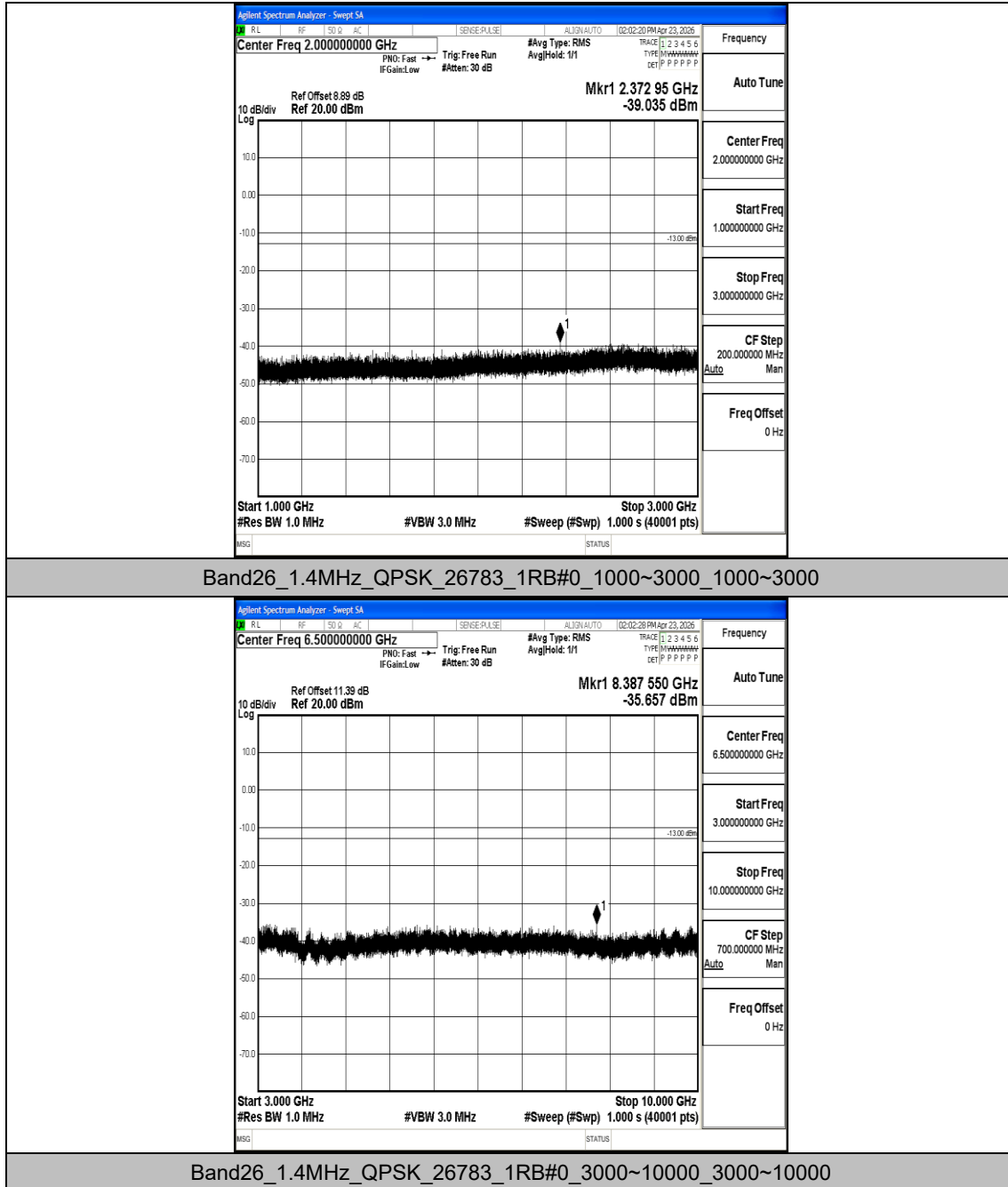


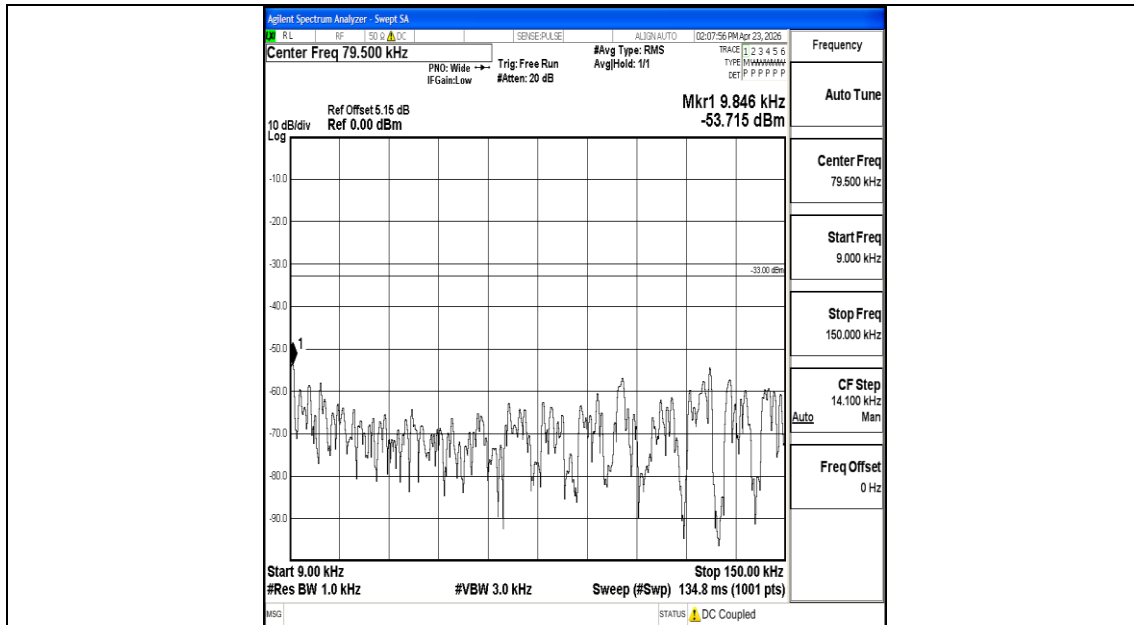
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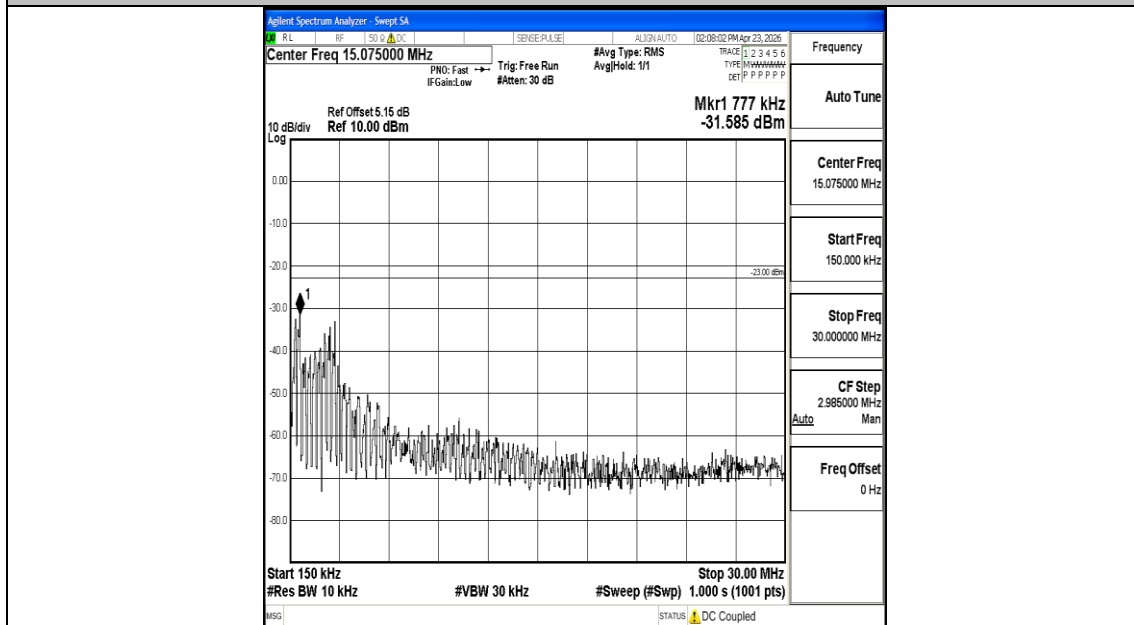
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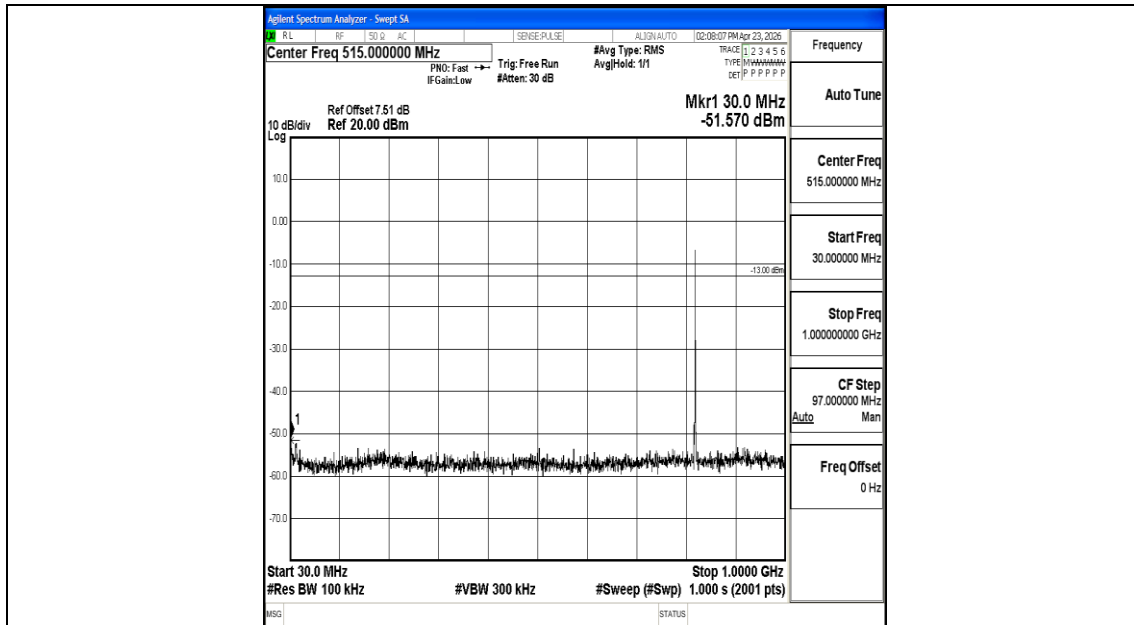




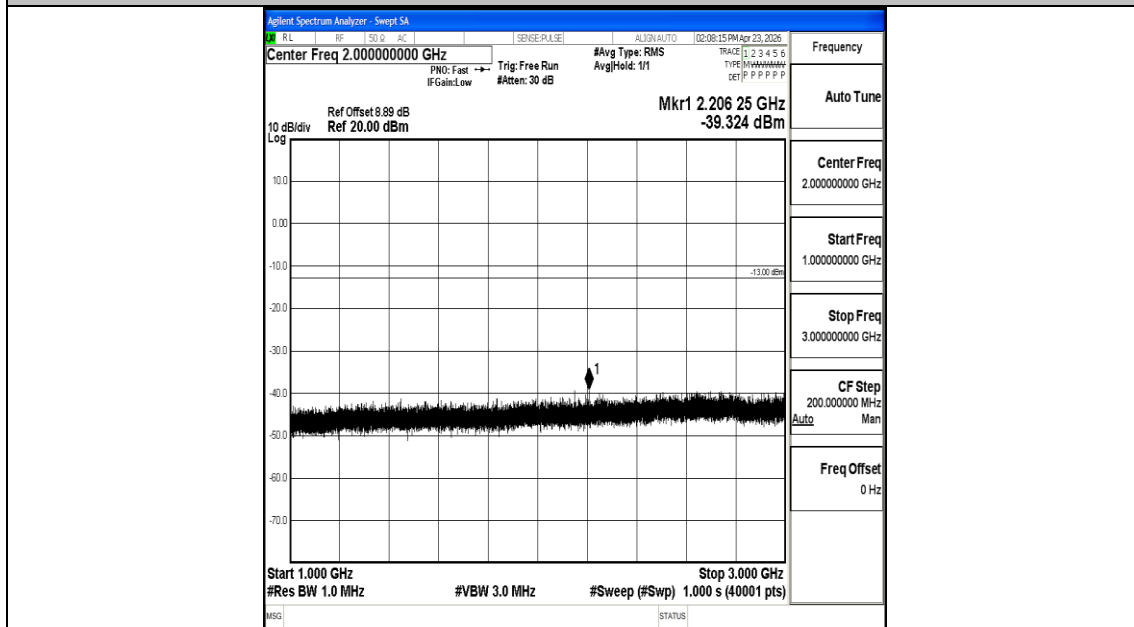
Band26_1.4MHz_16QAM_26783_1RB#0_0.009~0.15_0.009~0.15



Band26_1.4MHz_16QAM_26783_1RB#0_0.15~30_0.15~30



Band26_1.4MHz_16QAM_26783_1RB#0_30~1000_30~1000



Band26_1.4MHz_16QAM_26783_1RB#0_1000~3000_1000~3000