

Appendix M: Test Data for E-UTRA Band 17

Product Name: Smart Phone

Test Model: NOTE 18

Environmental Conditions

Temperature:	24.6°C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.85	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.58	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.61	PASS
Band17	5MHz	QPSK	23755	12RB#0	24.16	PASS
Band17	5MHz	QPSK	23755	12RB#6	24.25	PASS
Band17	5MHz	QPSK	23755	12RB#13	24.24	PASS
Band17	5MHz	QPSK	23755	25RB#0	24.16	PASS
Band17	5MHz	16QAM	23755	1RB#0	24.10	PASS
Band17	5MHz	16QAM	23755	1RB#12	25.09	PASS
Band17	5MHz	16QAM	23755	1RB#24	24.36	PASS
Band17	5MHz	16QAM	23755	12RB#0	23.37	PASS
Band17	5MHz	16QAM	23755	12RB#6	23.18	PASS
Band17	5MHz	16QAM	23755	12RB#13	23.25	PASS
Band17	5MHz	16QAM	23755	25RB#0	23.13	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.75	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.67	PASS
Band17	5MHz	QPSK	23790	12RB#0	24.15	PASS
Band17	5MHz	QPSK	23790	12RB#6	24.15	PASS
Band17	5MHz	QPSK	23790	12RB#13	24.25	PASS
Band17	5MHz	QPSK	23790	25RB#0	24.24	PASS
Band17	5MHz	16QAM	23790	1RB#0	24.11	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.94	PASS
Band17	5MHz	16QAM	23790	1RB#24	24.11	PASS
Band17	5MHz	16QAM	23790	12RB#0	23.14	PASS
Band17	5MHz	16QAM	23790	12RB#6	23.02	PASS
Band17	5MHz	16QAM	23790	12RB#13	23.19	PASS
Band17	5MHz	16QAM	23790	25RB#0	23.09	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.69	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.47	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.54	PASS
Band17	5MHz	QPSK	23825	12RB#0	24.24	PASS
Band17	5MHz	QPSK	23825	12RB#6	24.19	PASS
Band17	5MHz	QPSK	23825	12RB#13	24.08	PASS
Band17	5MHz	QPSK	23825	25RB#0	24.18	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.52	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.97	PASS

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Band17	5MHz	16QAM	23825	1RB#24	23.54	PASS
Band17	5MHz	16QAM	23825	12RB#0	23.07	PASS
Band17	5MHz	16QAM	23825	12RB#6	23.05	PASS
Band17	5MHz	16QAM	23825	12RB#13	23.12	PASS
Band17	5MHz	16QAM	23825	25RB#0	23.24	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.73	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.81	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.52	PASS
Band17	10MHz	QPSK	23780	25RB#0	24.23	PASS
Band17	10MHz	QPSK	23780	25RB#12	24.18	PASS
Band17	10MHz	QPSK	23780	25RB#25	24.27	PASS
Band17	10MHz	QPSK	23780	50RB#0	24.22	PASS
Band17	10MHz	16QAM	23780	1RB#0	24.12	PASS
Band17	10MHz	16QAM	23780	1RB#24	25.14	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.97	PASS
Band17	10MHz	16QAM	23780	25RB#0	23.31	PASS
Band17	10MHz	16QAM	23780	25RB#12	23.17	PASS
Band17	10MHz	16QAM	23780	25RB#25	23.28	PASS
Band17	10MHz	16QAM	23780	50RB#0	23.19	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.92	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.68	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.74	PASS
Band17	10MHz	QPSK	23790	25RB#0	24.13	PASS
Band17	10MHz	QPSK	23790	25RB#12	24.29	PASS
Band17	10MHz	QPSK	23790	25RB#25	24.13	PASS
Band17	10MHz	QPSK	23790	50RB#0	24.26	PASS
Band17	10MHz	16QAM	23790	1RB#0	24.40	PASS
Band17	10MHz	16QAM	23790	1RB#24	24.44	PASS
Band17	10MHz	16QAM	23790	1RB#49	24.52	PASS
Band17	10MHz	16QAM	23790	25RB#0	23.22	PASS
Band17	10MHz	16QAM	23790	25RB#12	23.18	PASS
Band17	10MHz	16QAM	23790	25RB#25	23.19	PASS
Band17	10MHz	16QAM	23790	50RB#0	23.21	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.69	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.81	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.58	PASS
Band17	10MHz	QPSK	23800	25RB#0	24.16	PASS
Band17	10MHz	QPSK	23800	25RB#12	24.15	PASS
Band17	10MHz	QPSK	23800	25RB#25	24.27	PASS
Band17	10MHz	QPSK	23800	50RB#0	24.24	PASS
Band17	10MHz	16QAM	23800	1RB#0	24.25	PASS
Band17	10MHz	16QAM	23800	1RB#24	25.04	PASS

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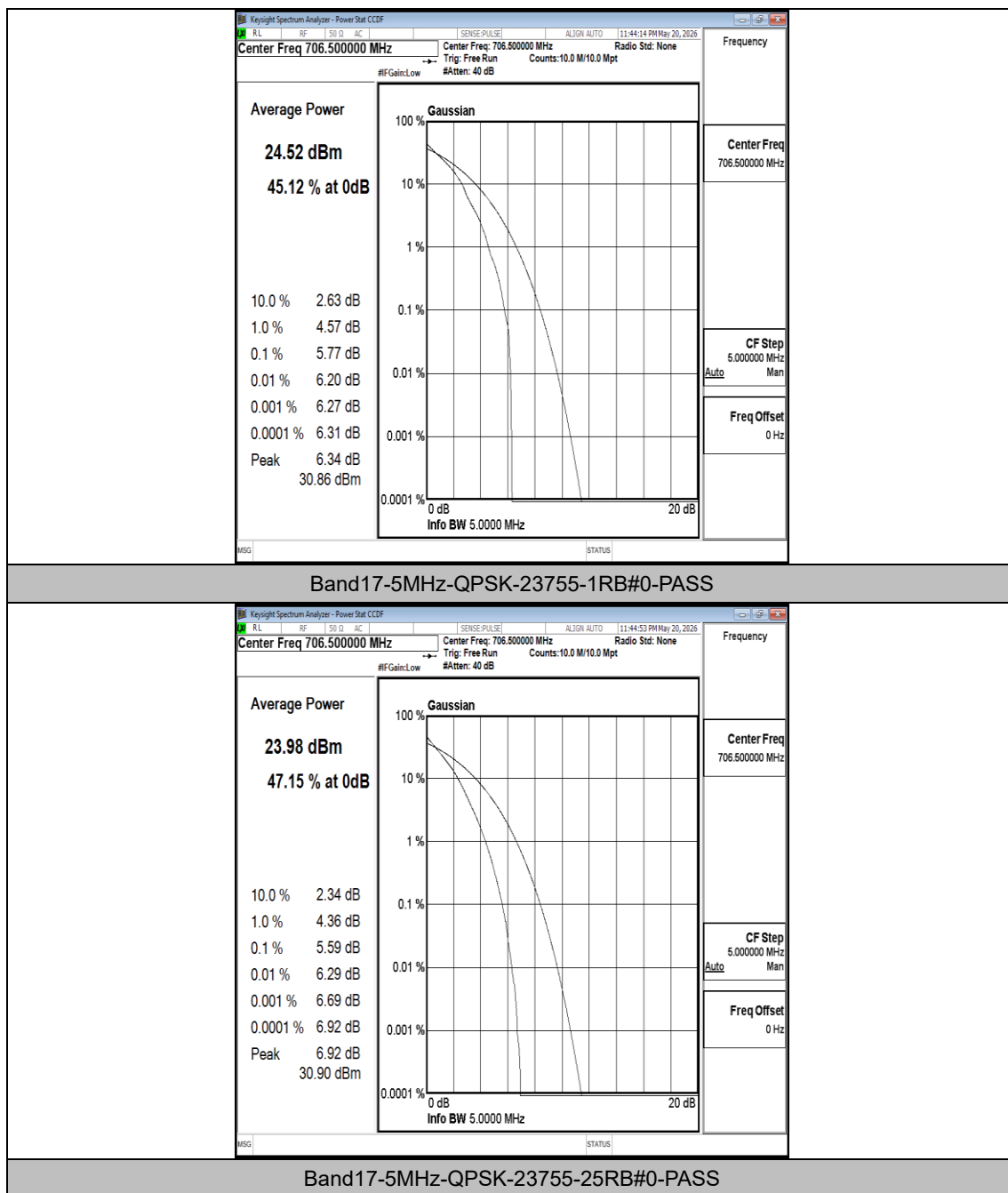
Band17	10MHz	16QAM	23800	1RB#49	24.08	PASS
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Band17	10MHz	16QAM	23800	25RB#12	23.06	PASS
Band17	10MHz	16QAM	23800	25RB#25	23.08	PASS
Band17	10MHz	16QAM	23800	50RB#0	23.11	PASS

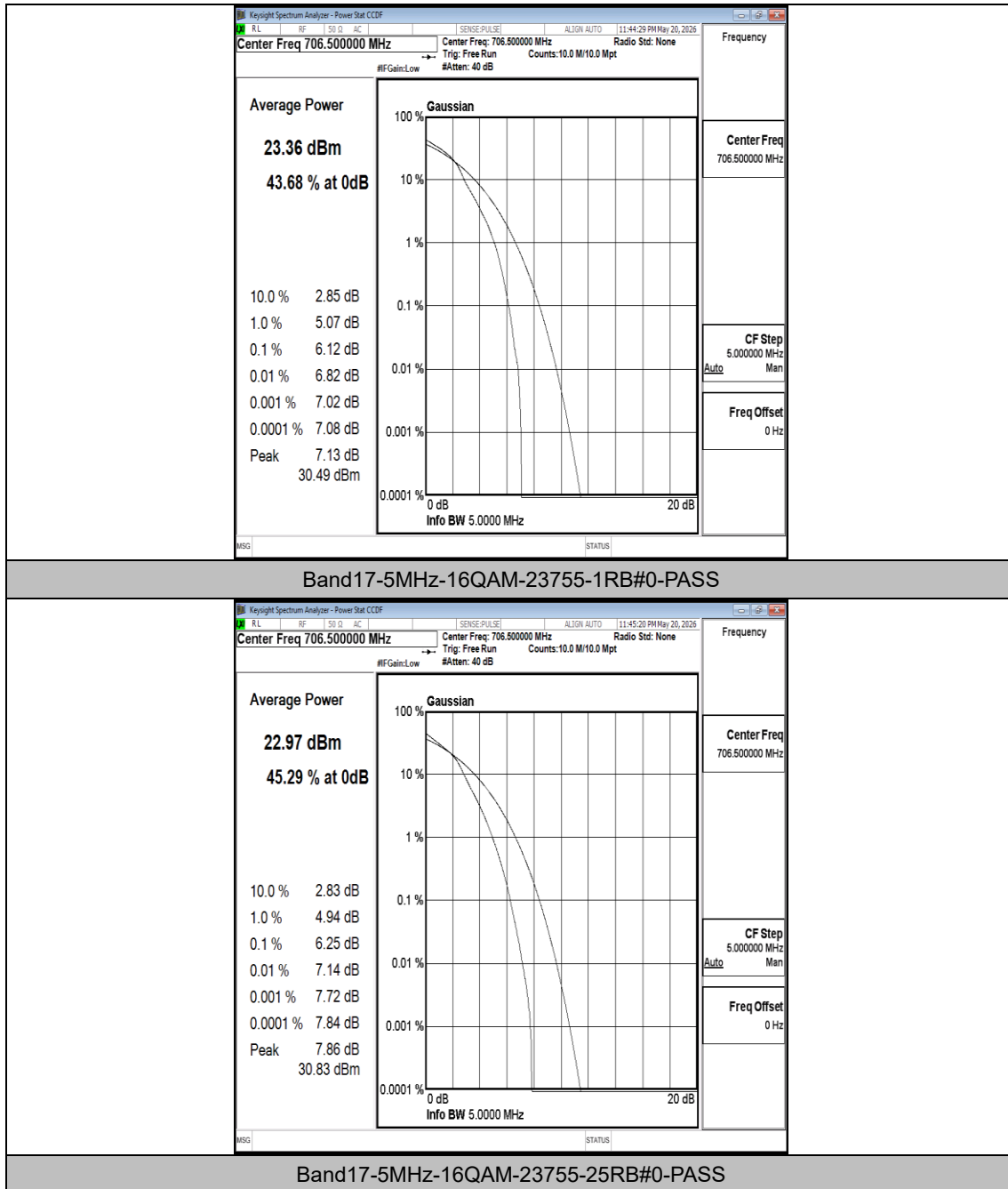
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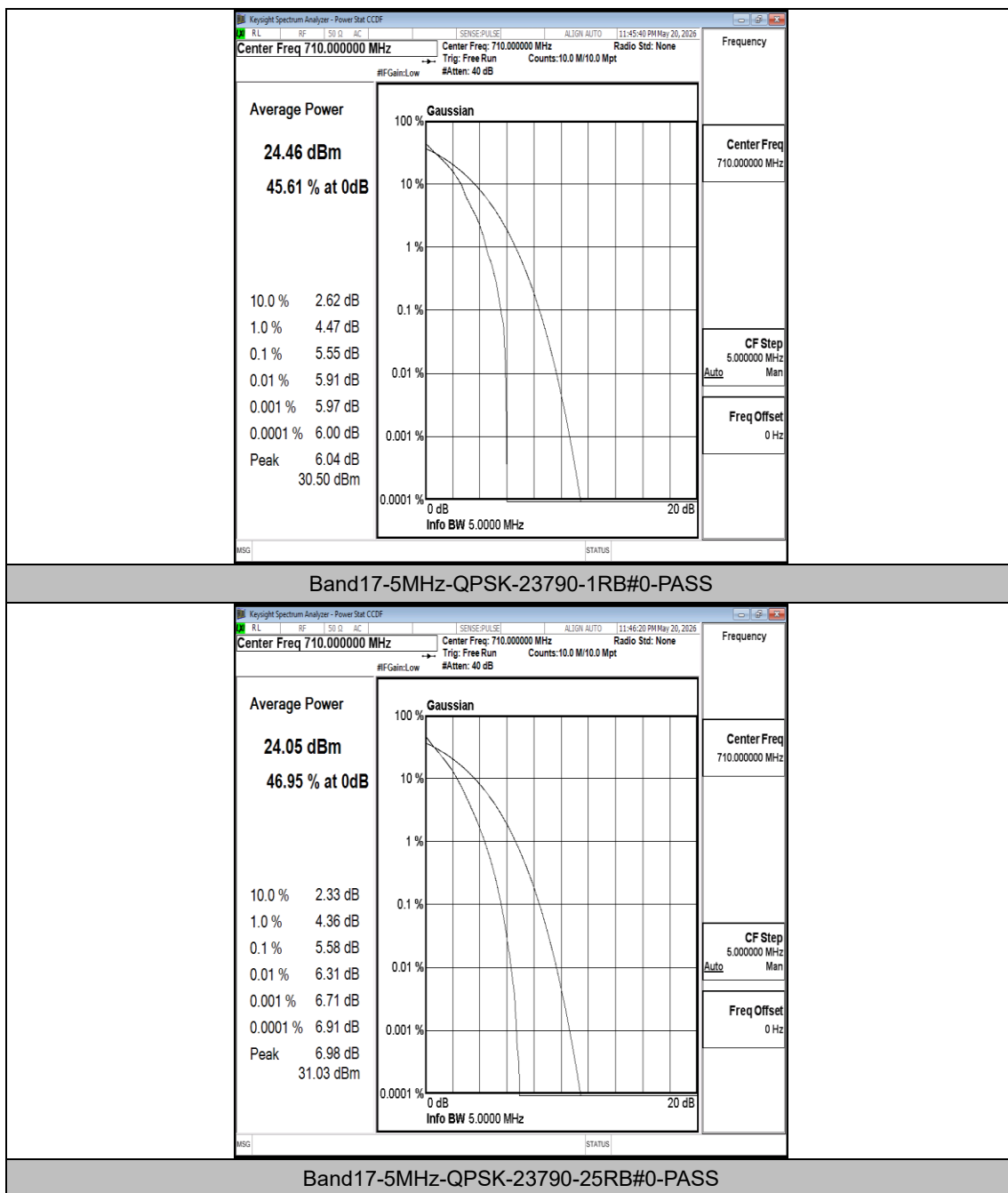
Test Result

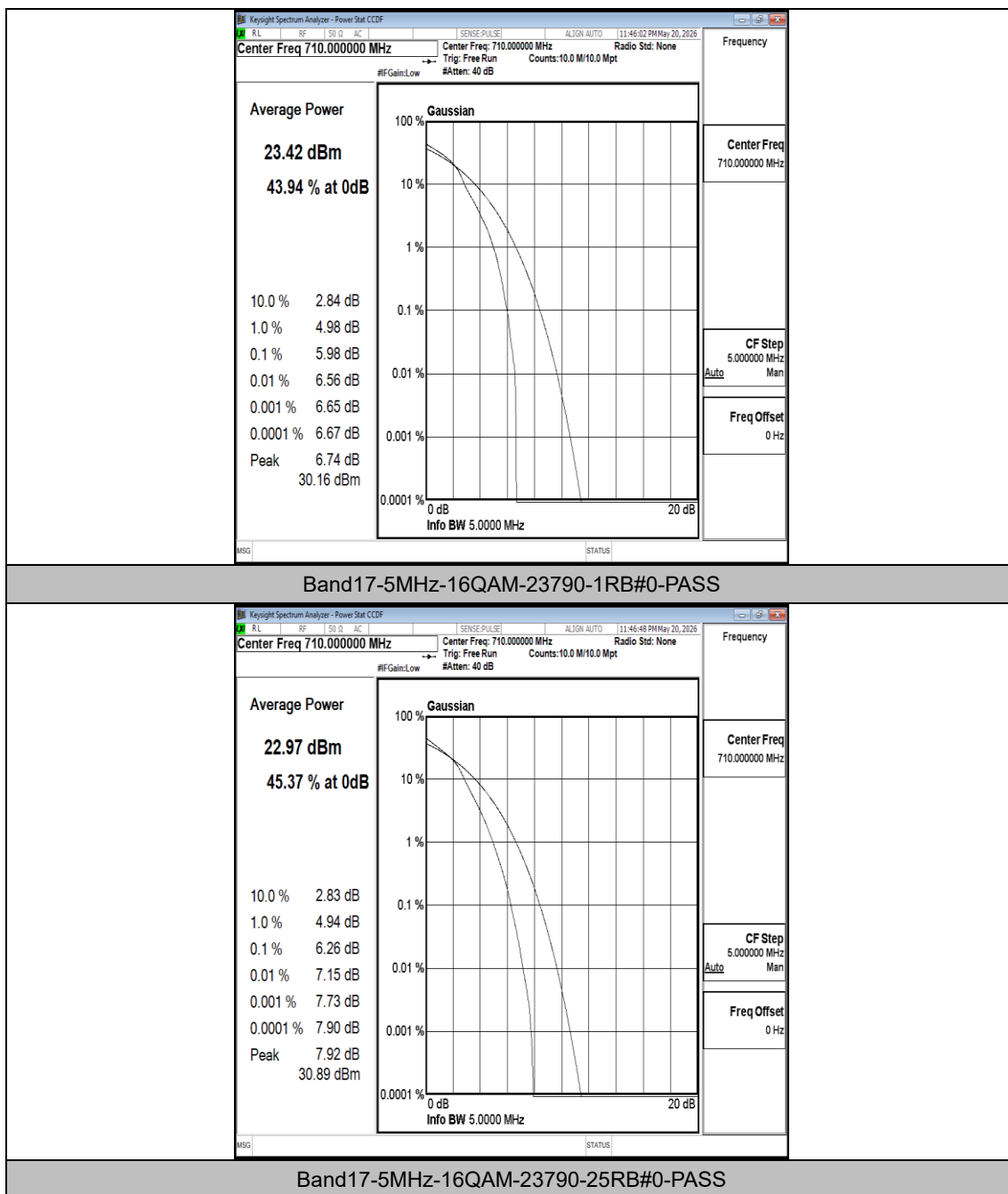
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	5.77	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.59	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	6.12	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.25	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	5.55	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.58	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.98	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.26	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	5.72	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.58	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	6.09	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.26	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	5.43	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.59	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	6.32	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.30	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	5.15	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.57	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.71	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.31	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	5.31	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.61	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	6.02	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.30	13	PASS

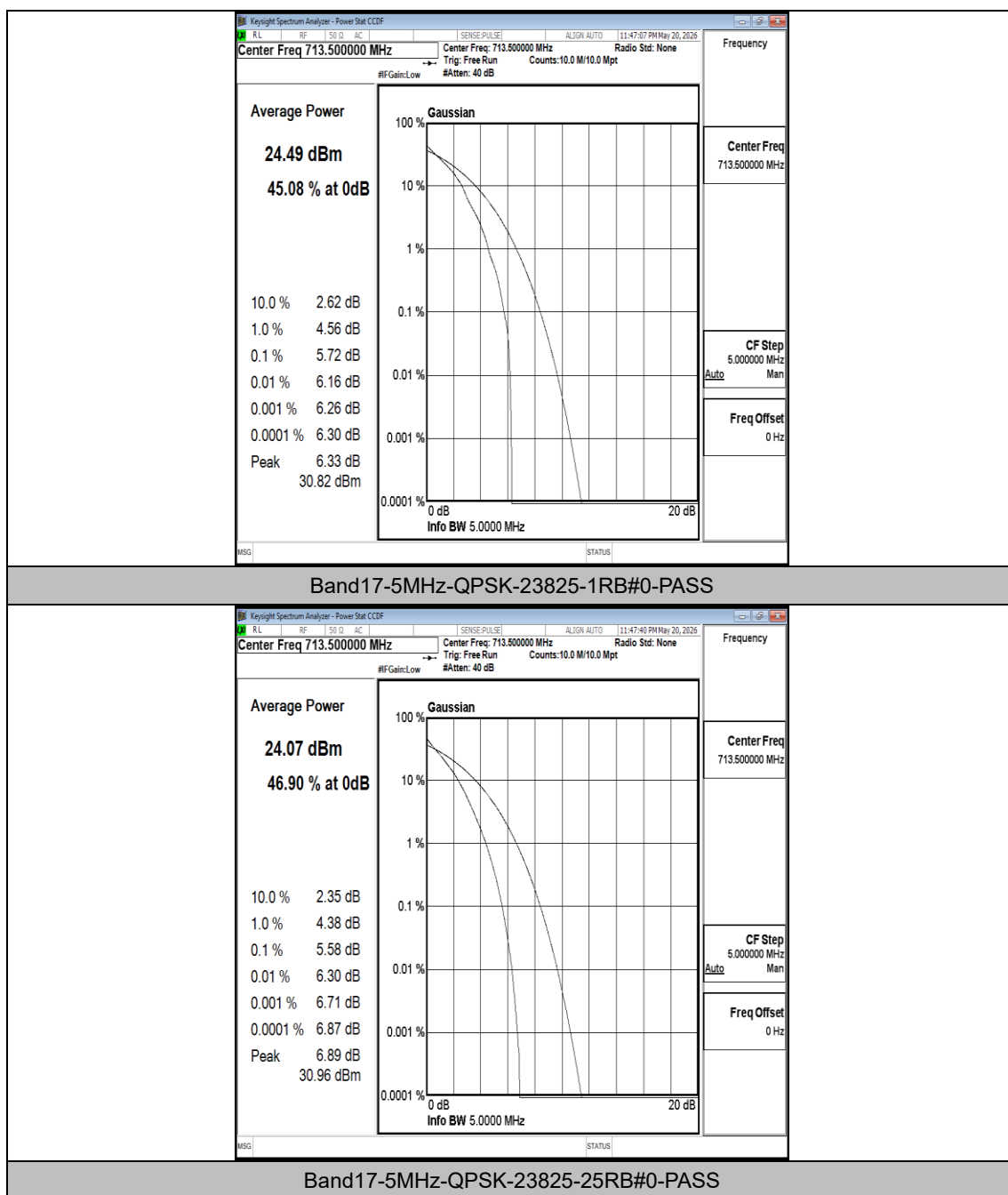
Test Graphs

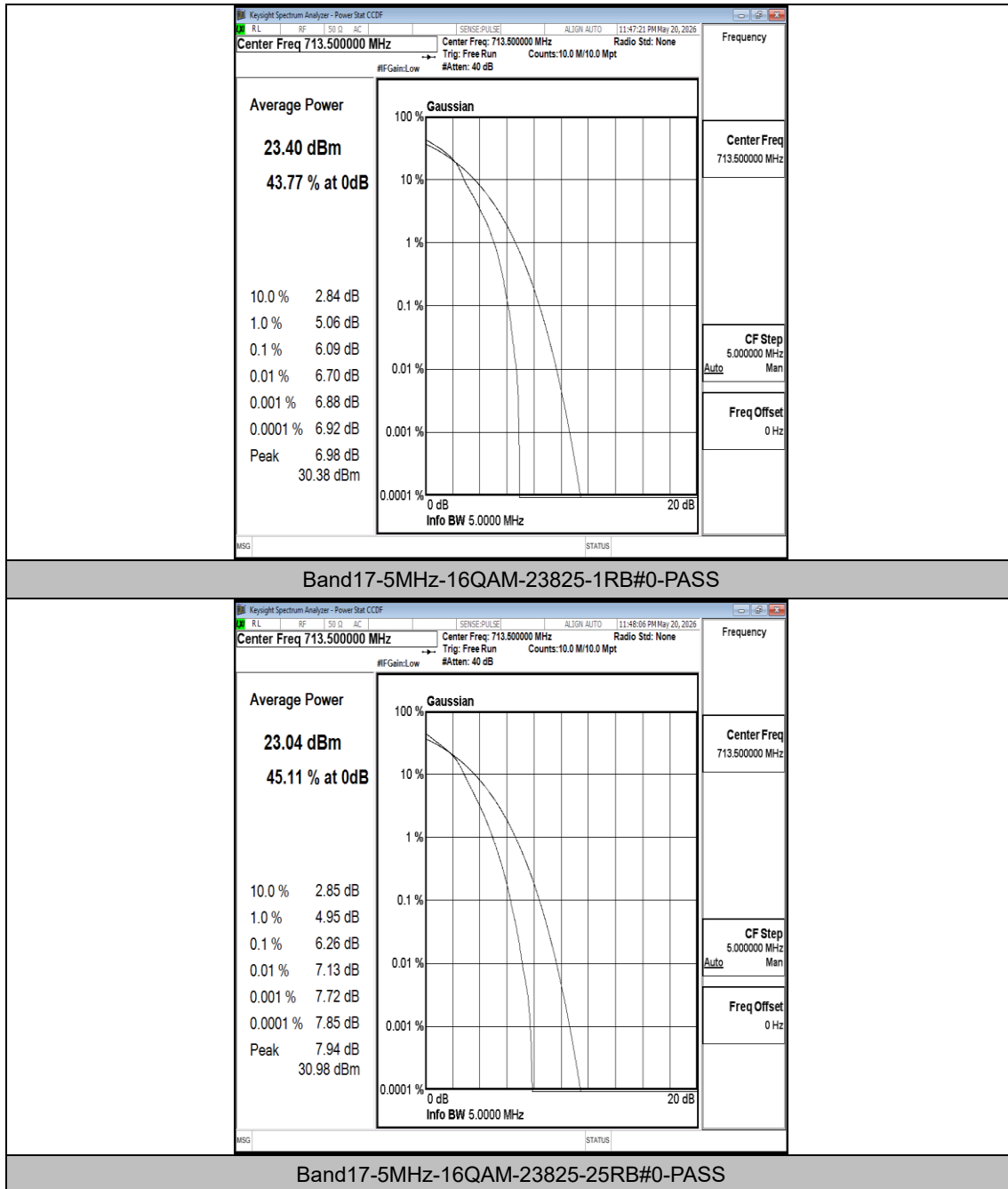


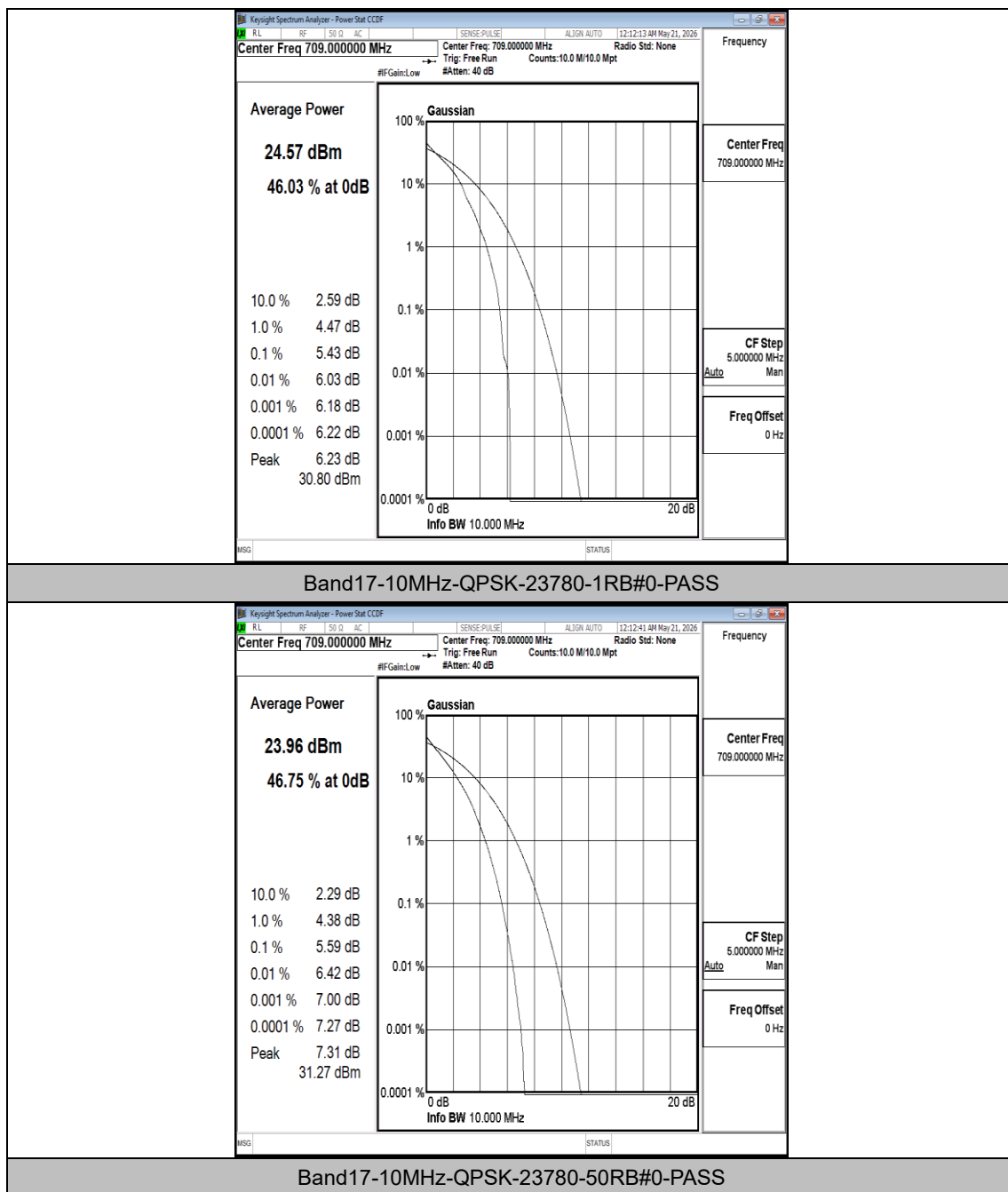


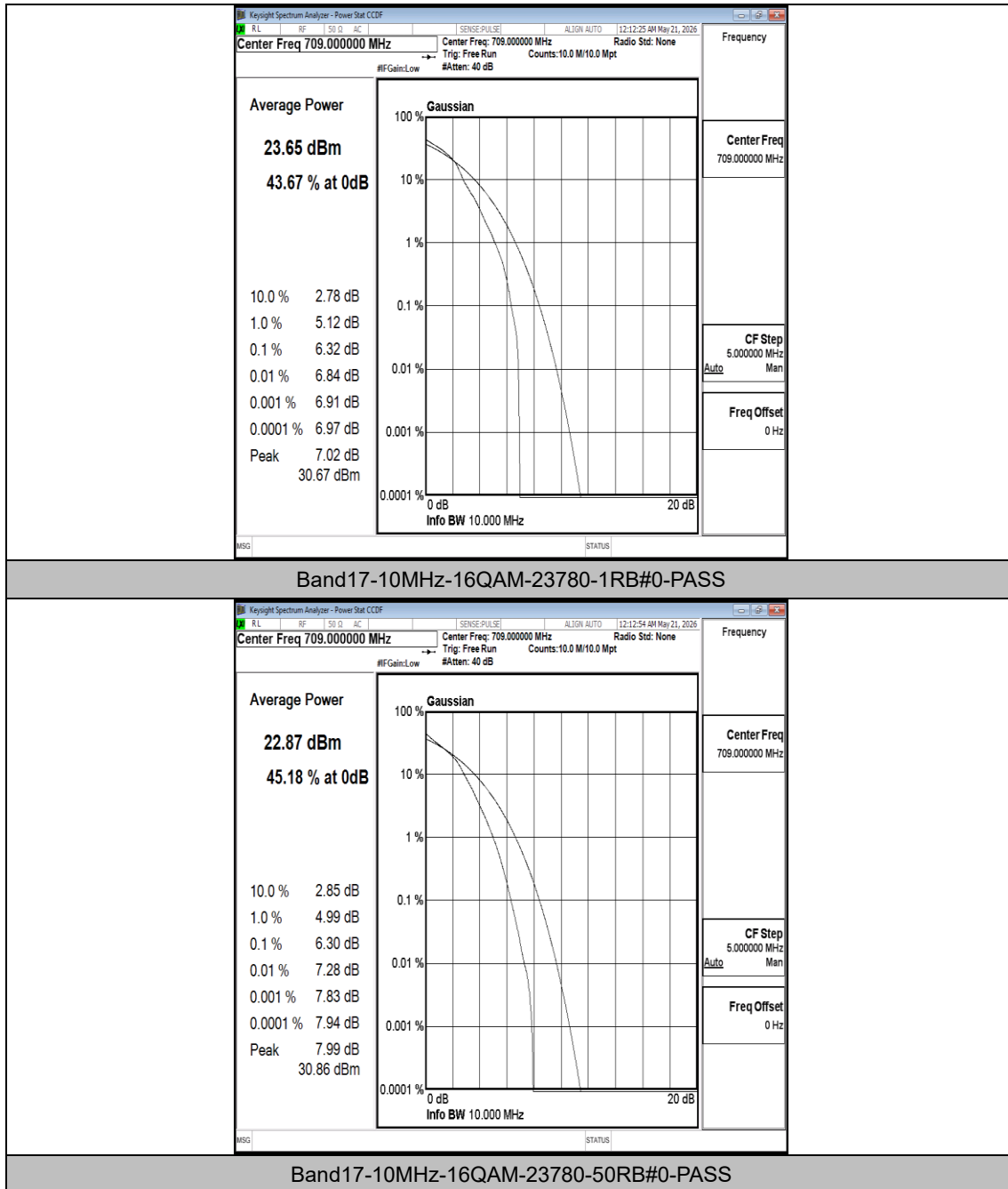


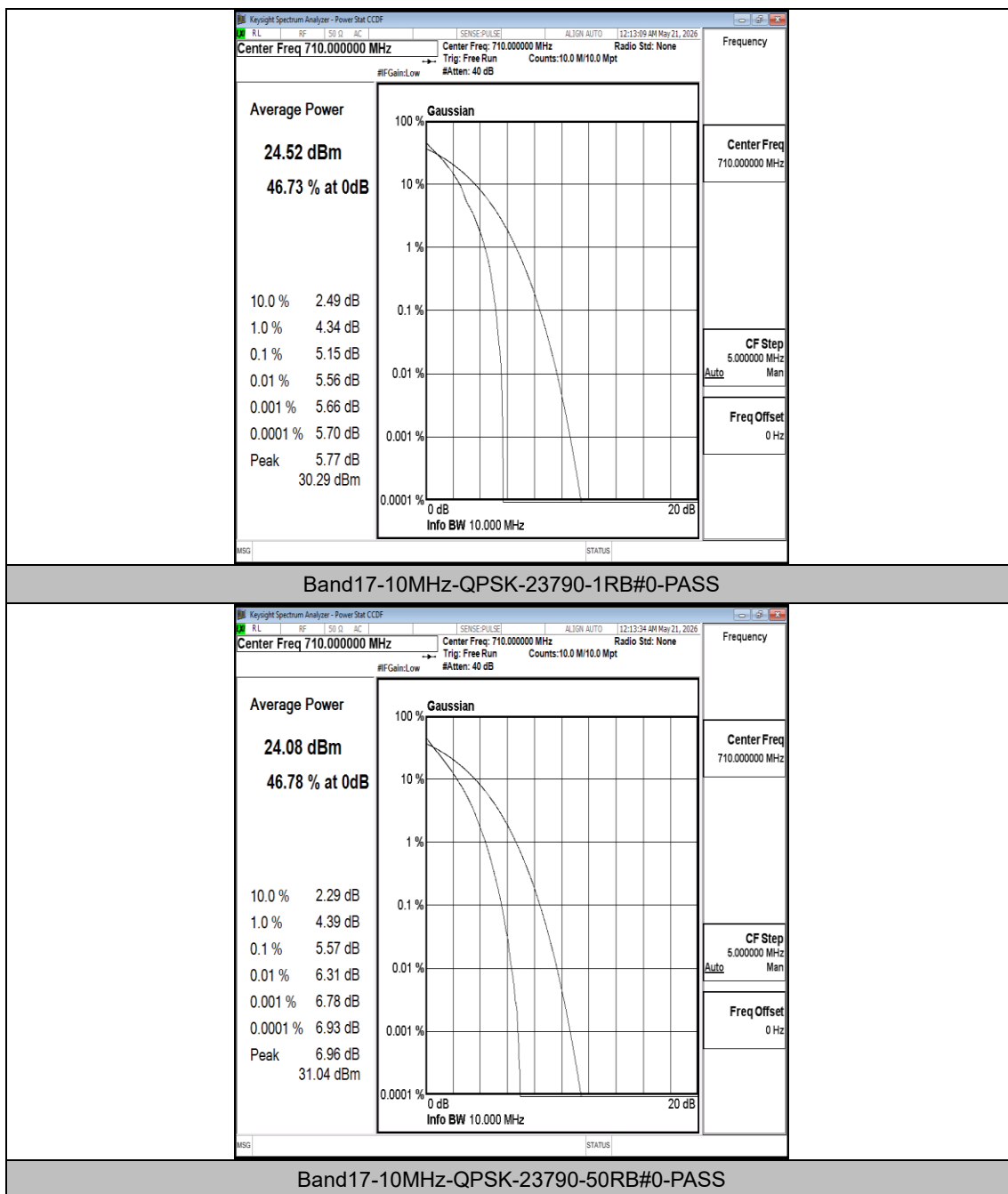


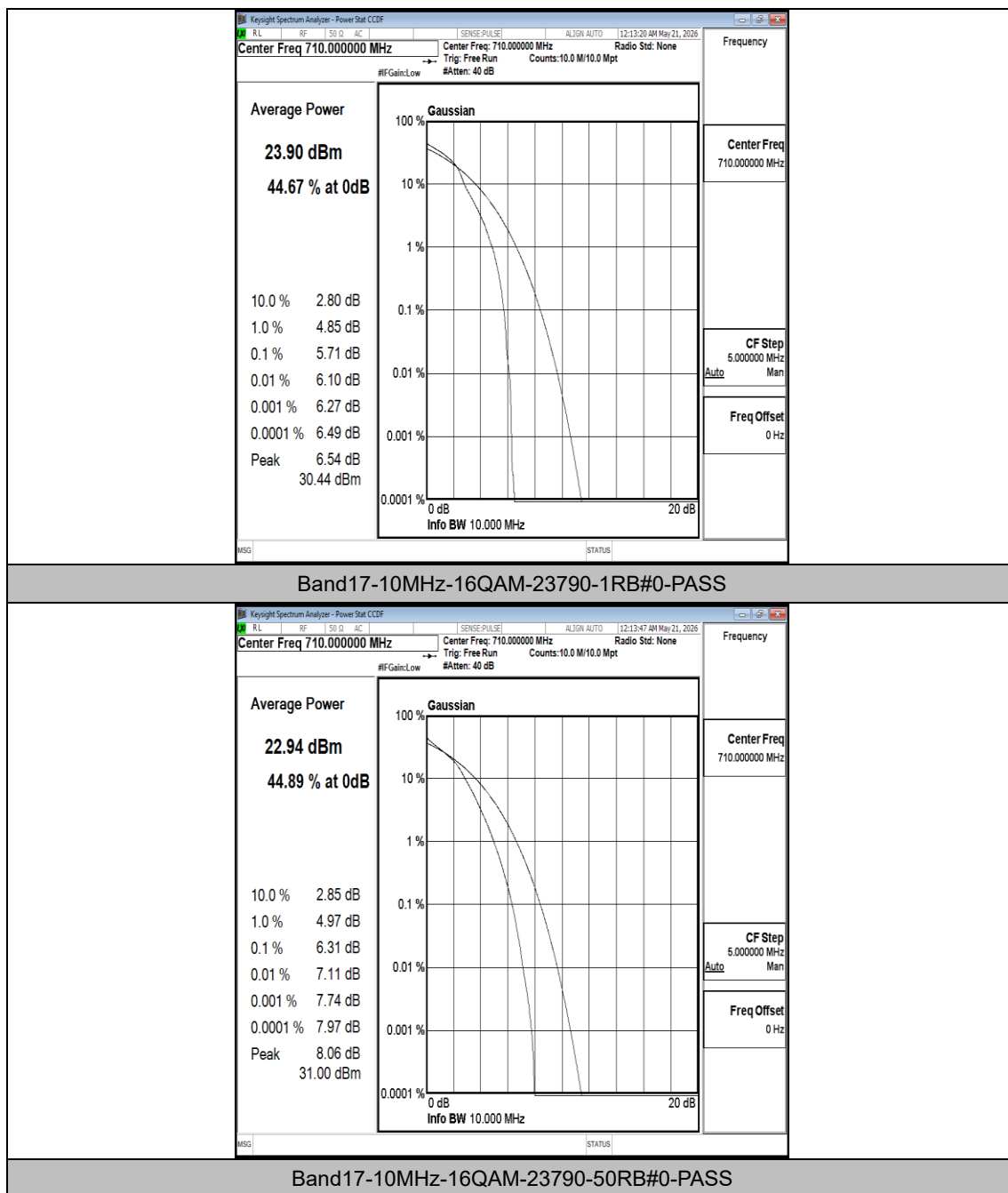


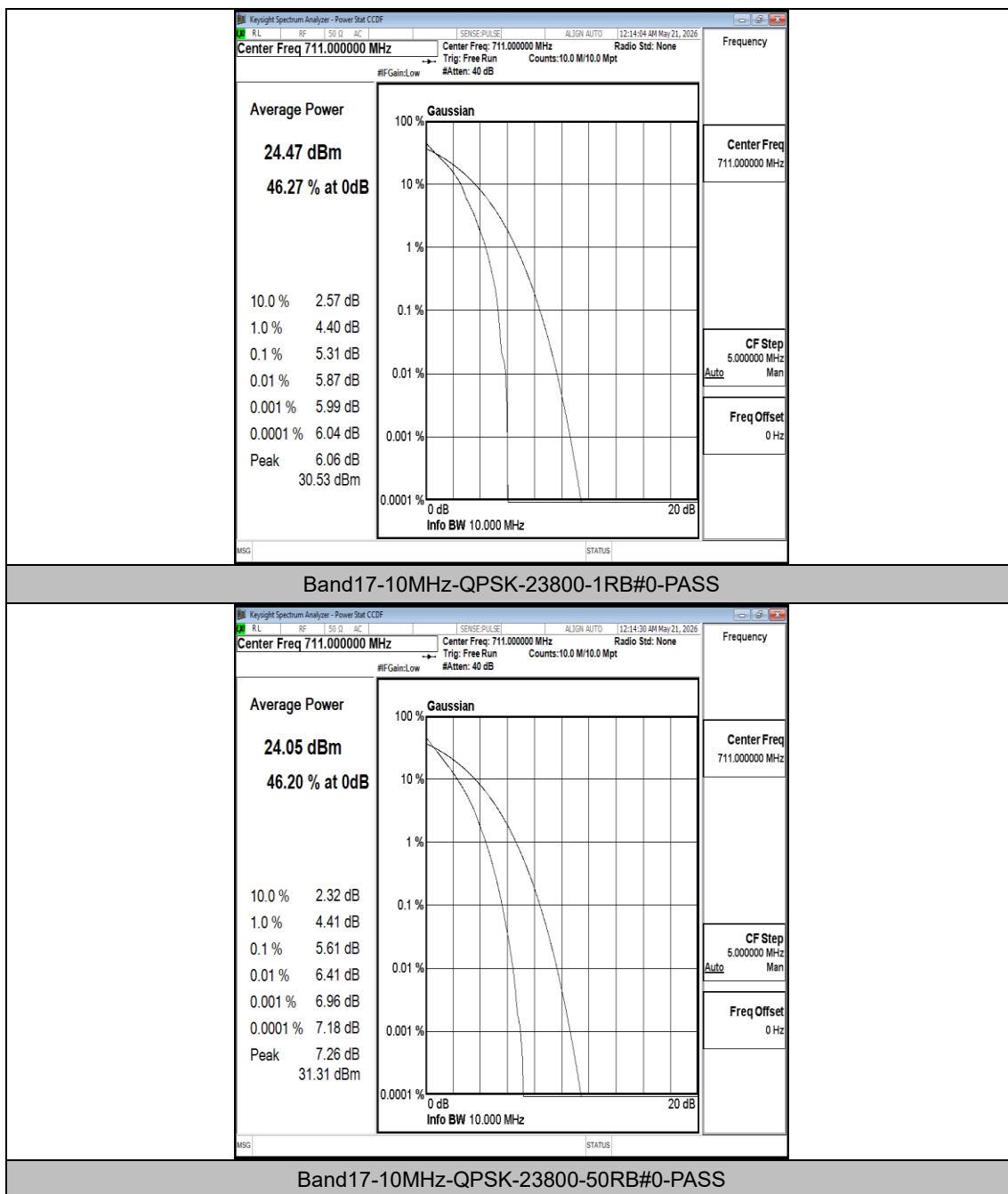


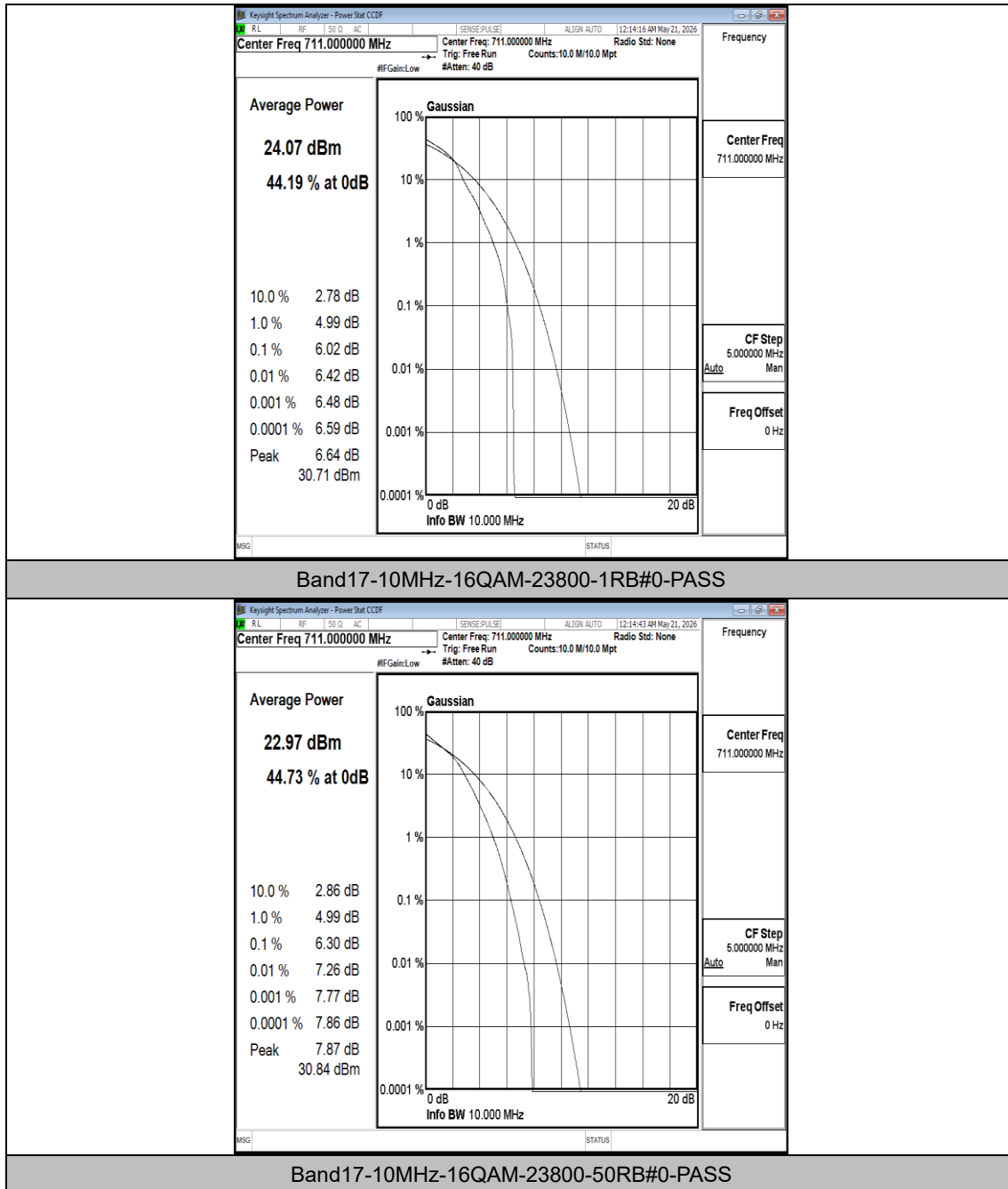










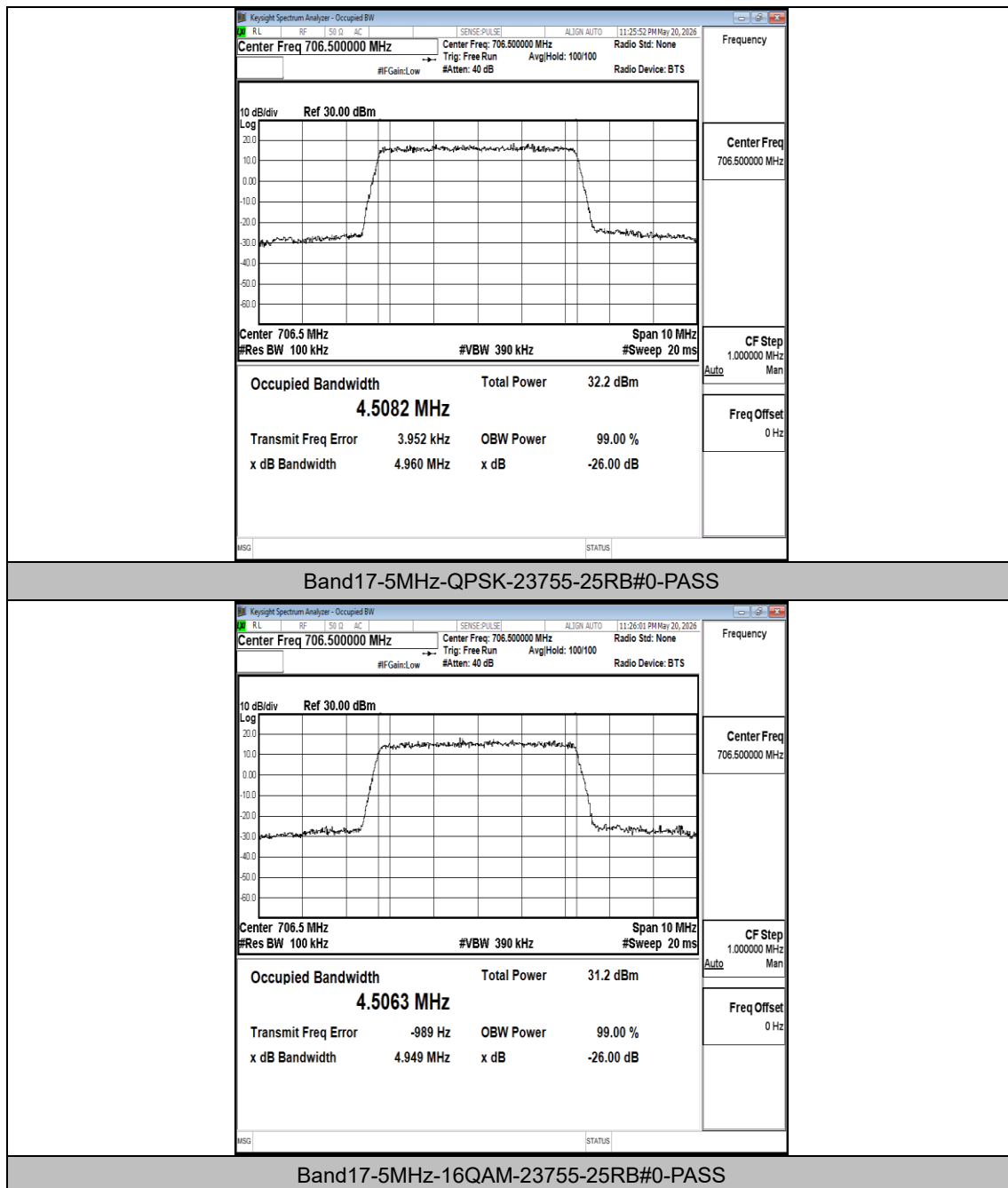


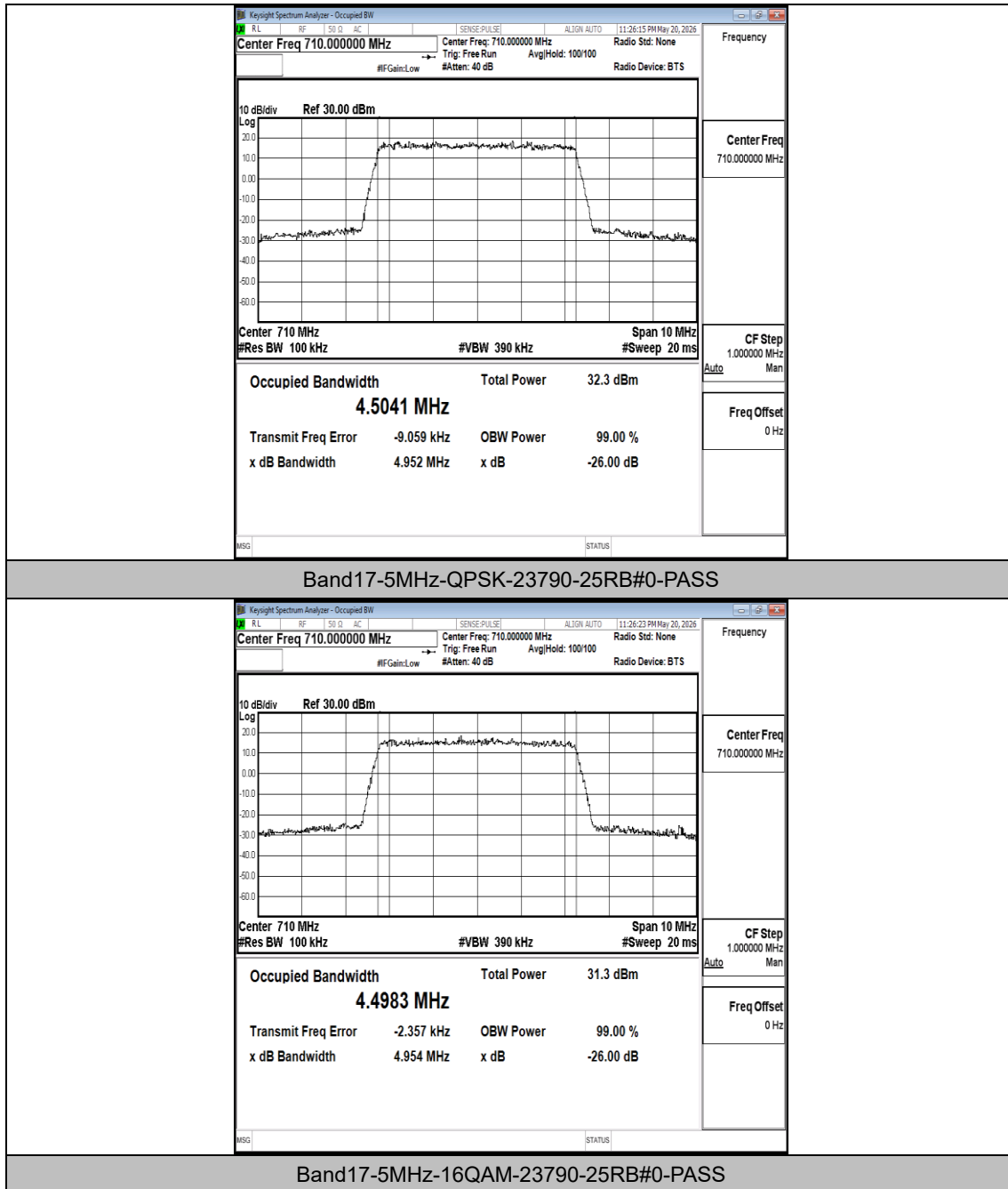
M.3 26dB Bandwidth and Occupied Bandwidth

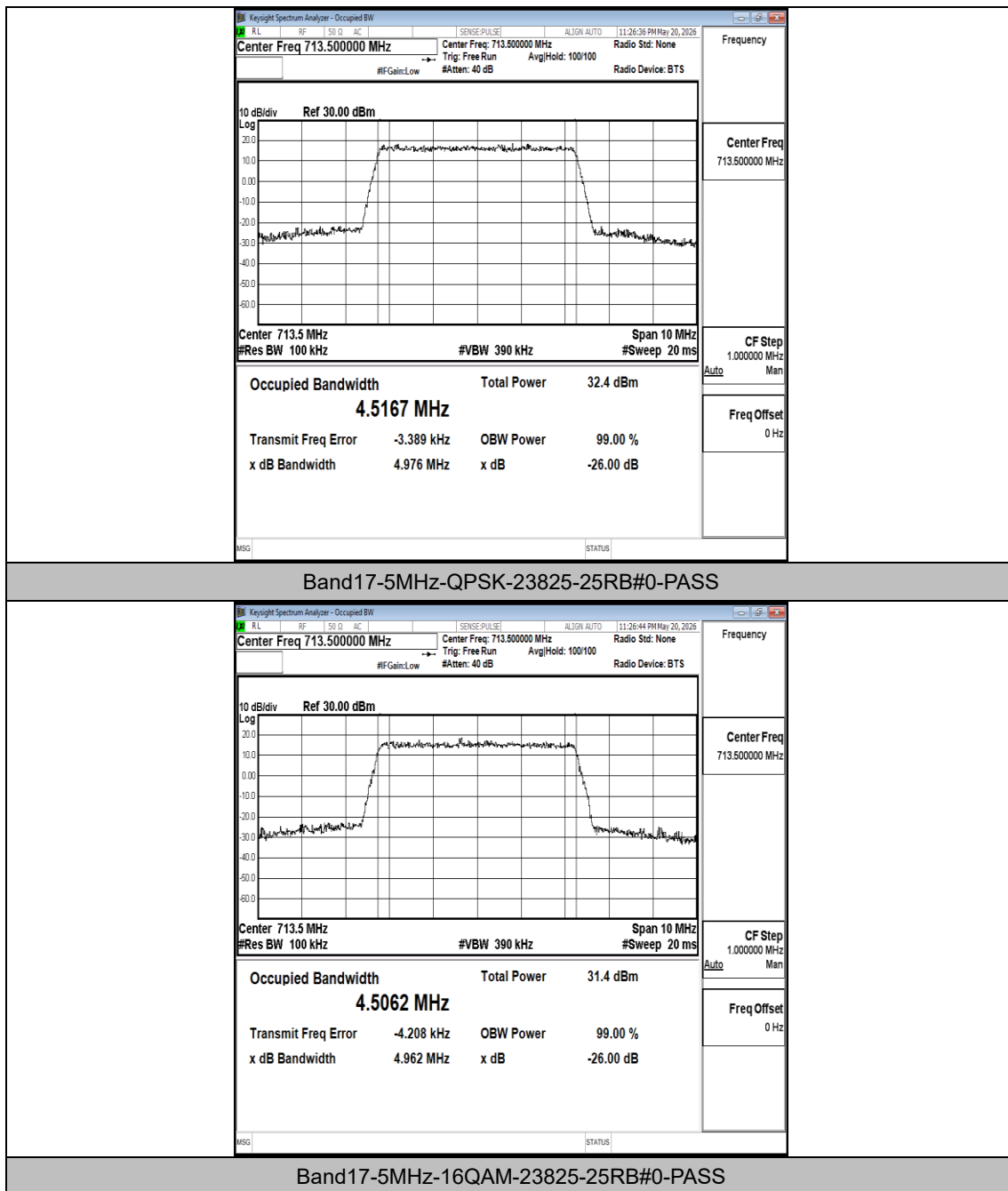
Test Result

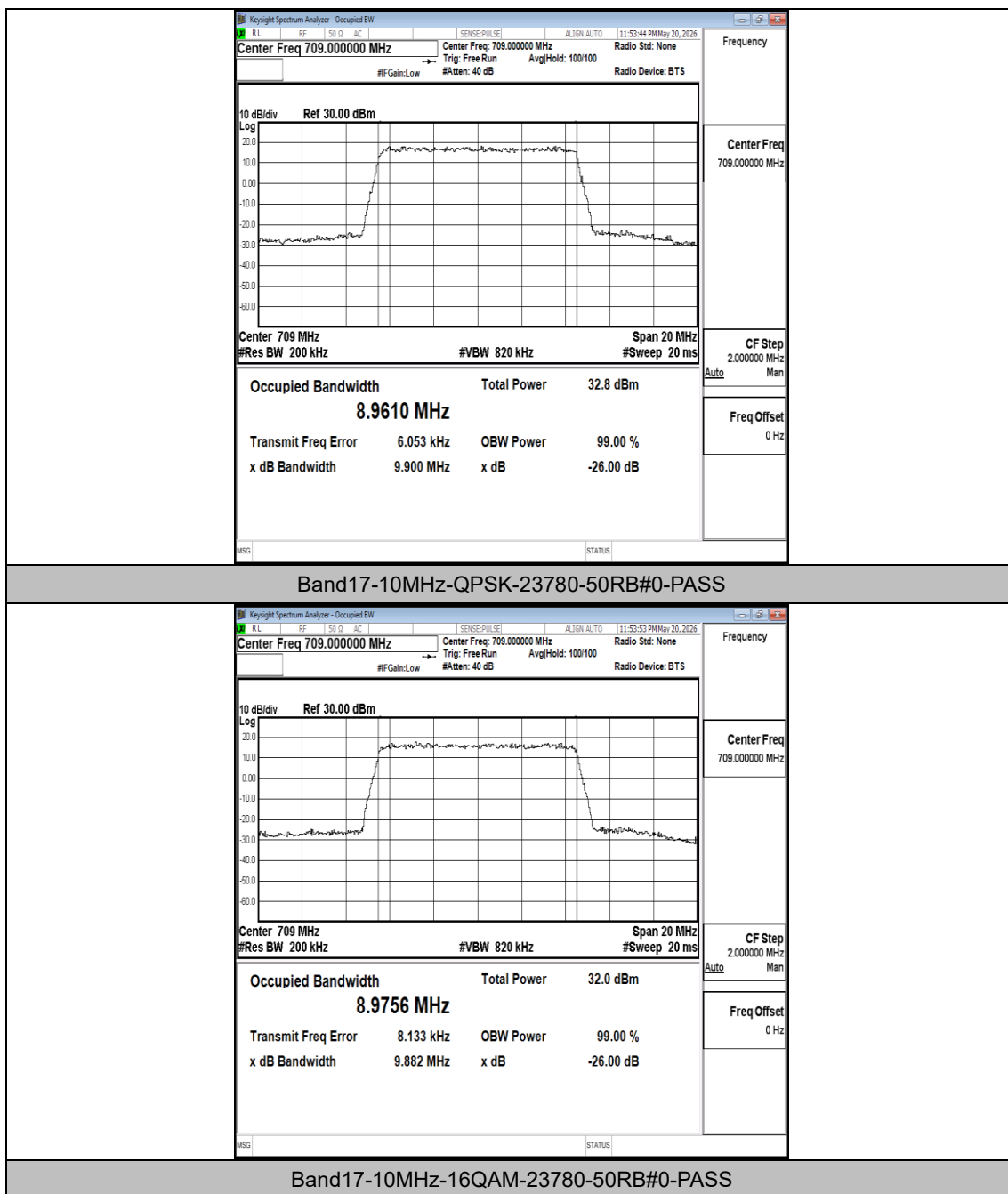
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5082	4.960	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5063	4.949	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5041	4.952	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4983	4.954	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5167	4.976	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5062	4.962	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9610	9.900	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9756	9.882	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0020	9.913	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0005	9.946	PASS
Band17	10MHz	QPSK	23800	50RB#0	9.0076	9.929	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9898	9.905	PASS

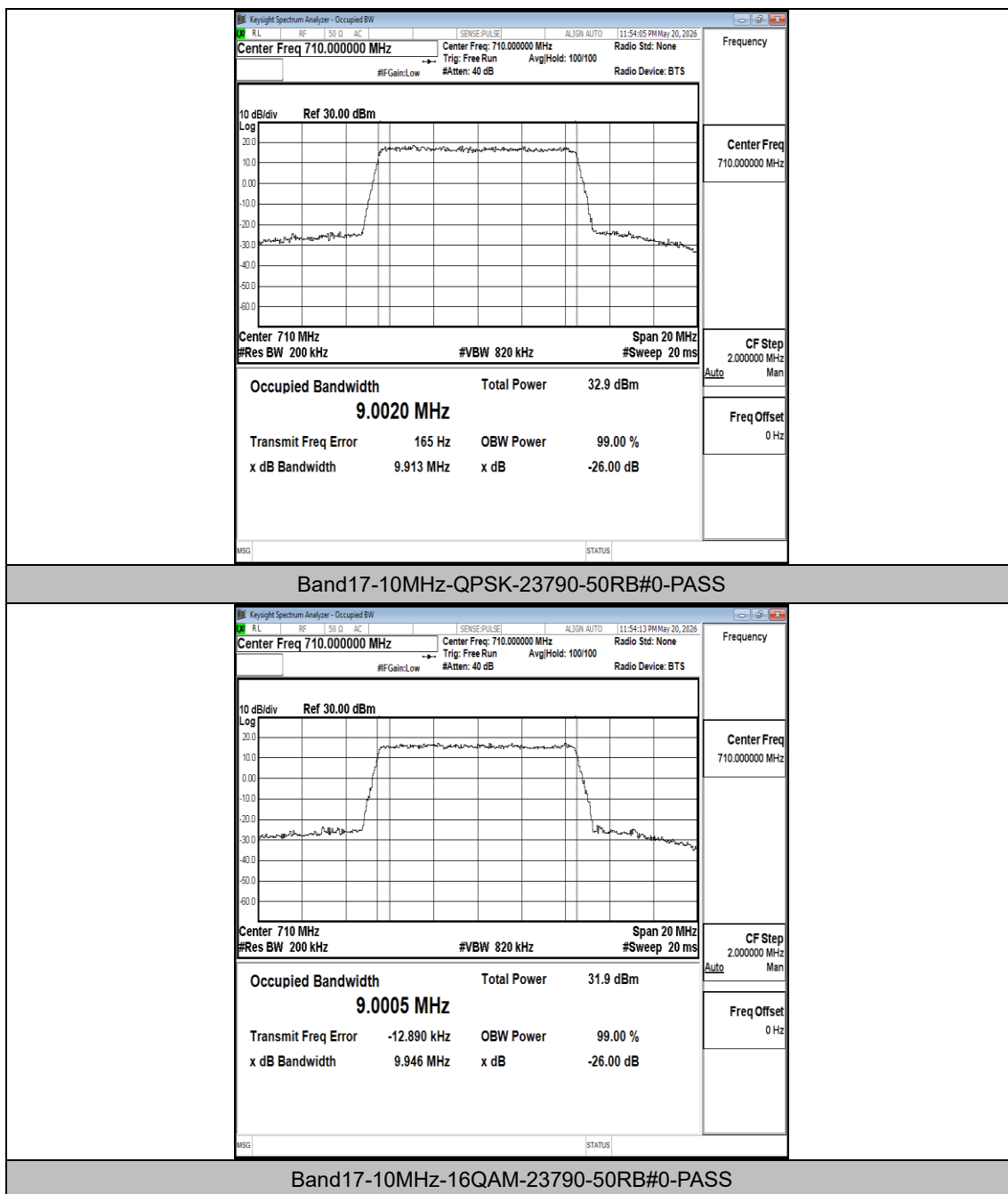
Test Graphs

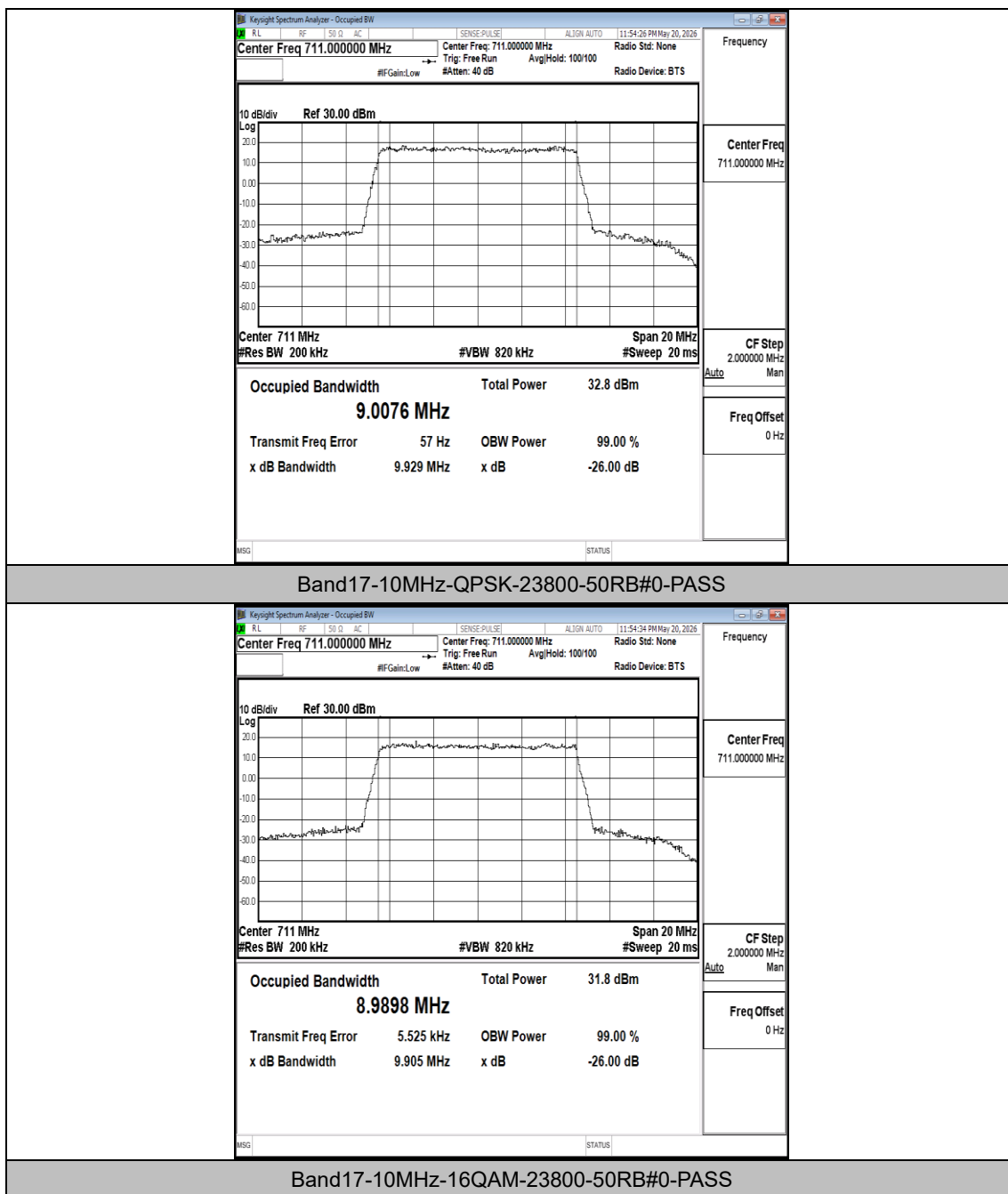










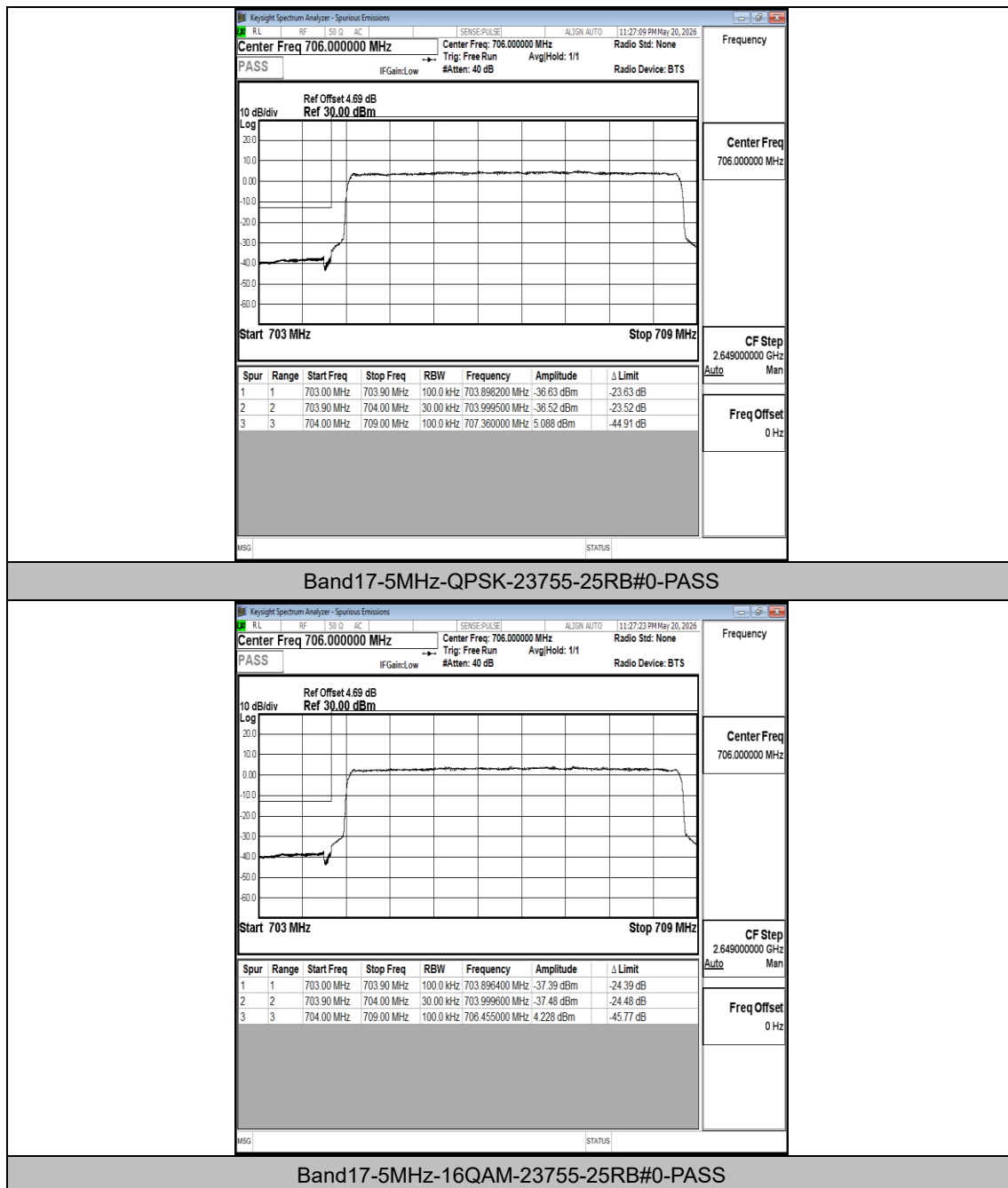


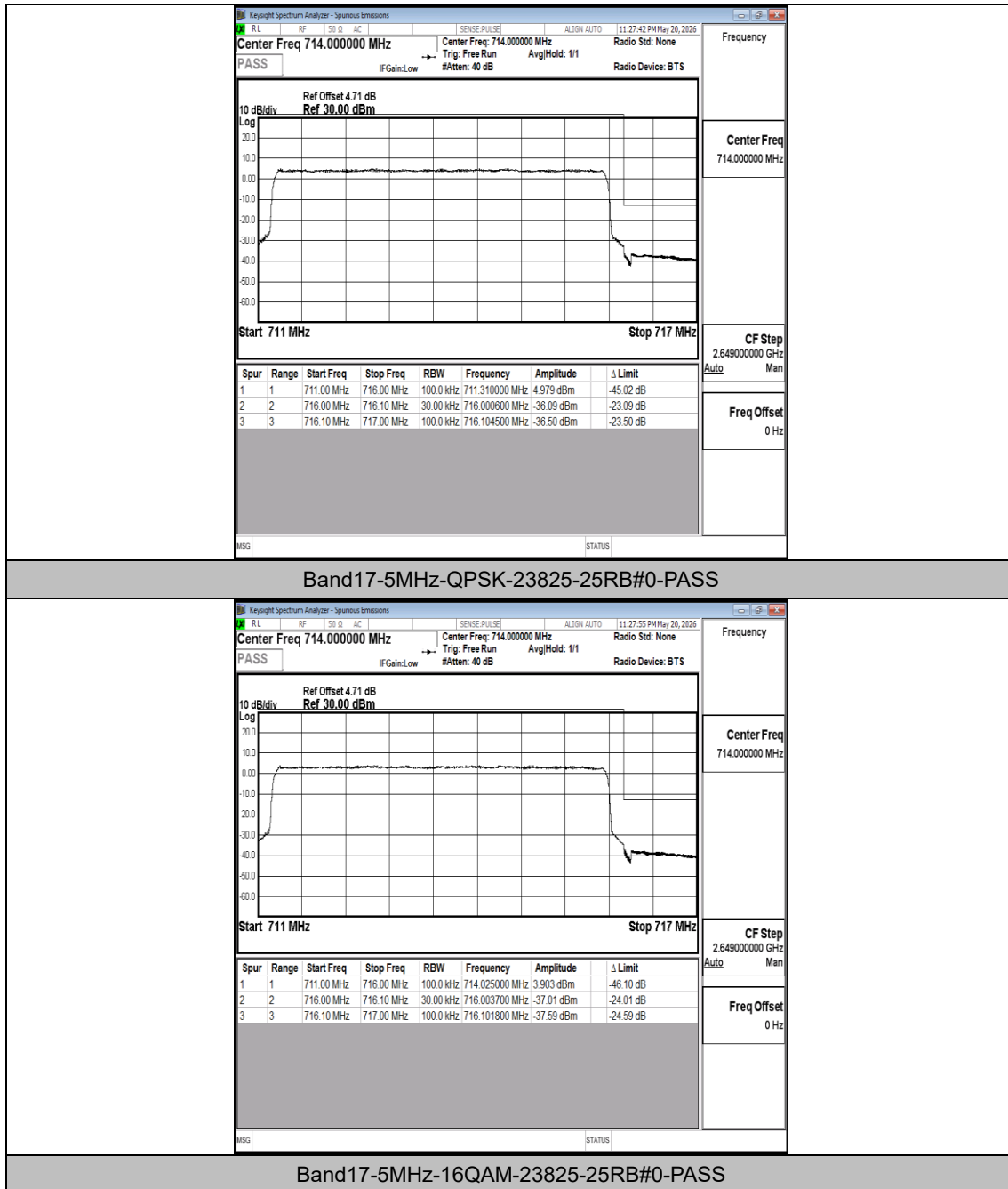
M.4 Band Edge

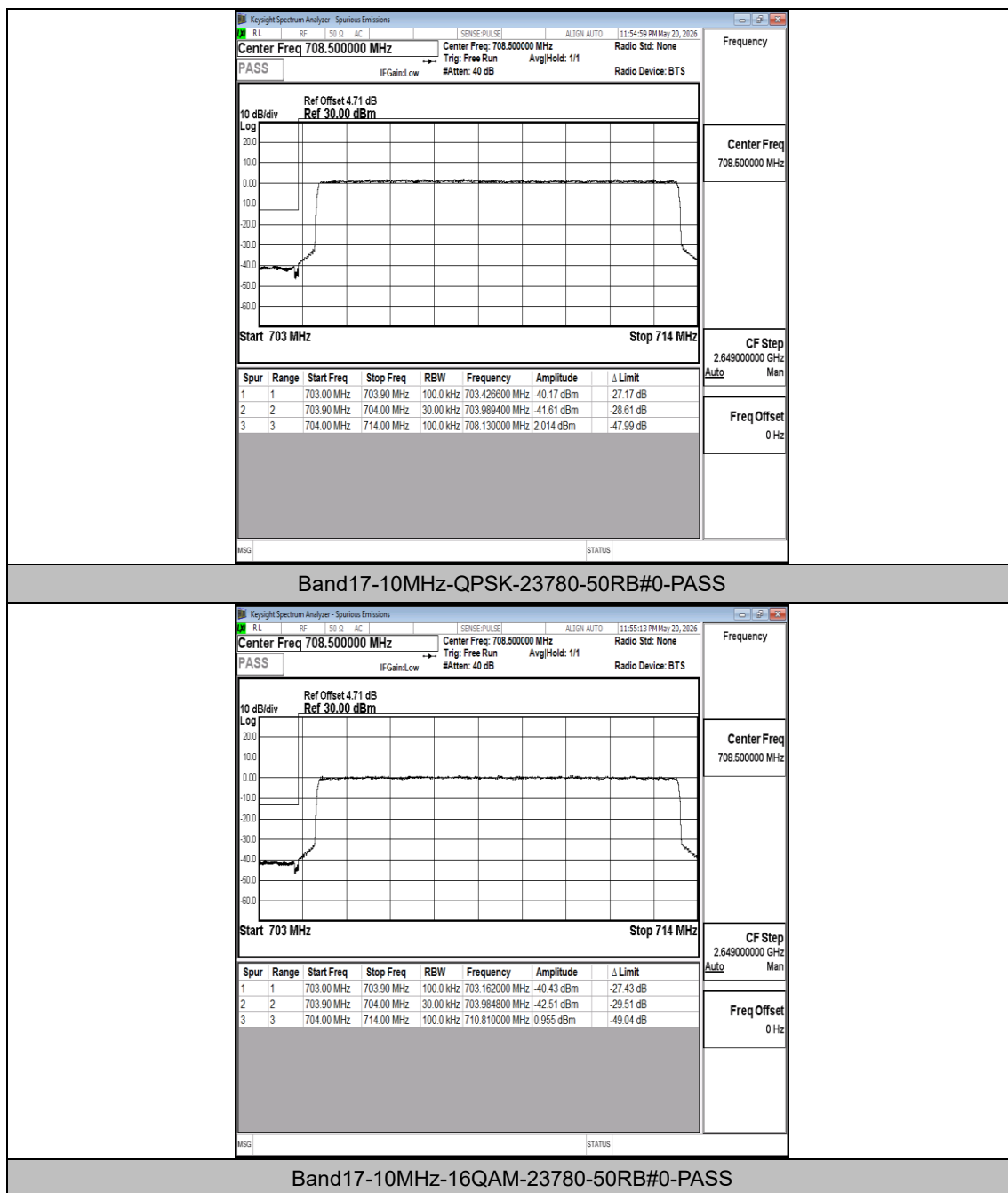
Test Result

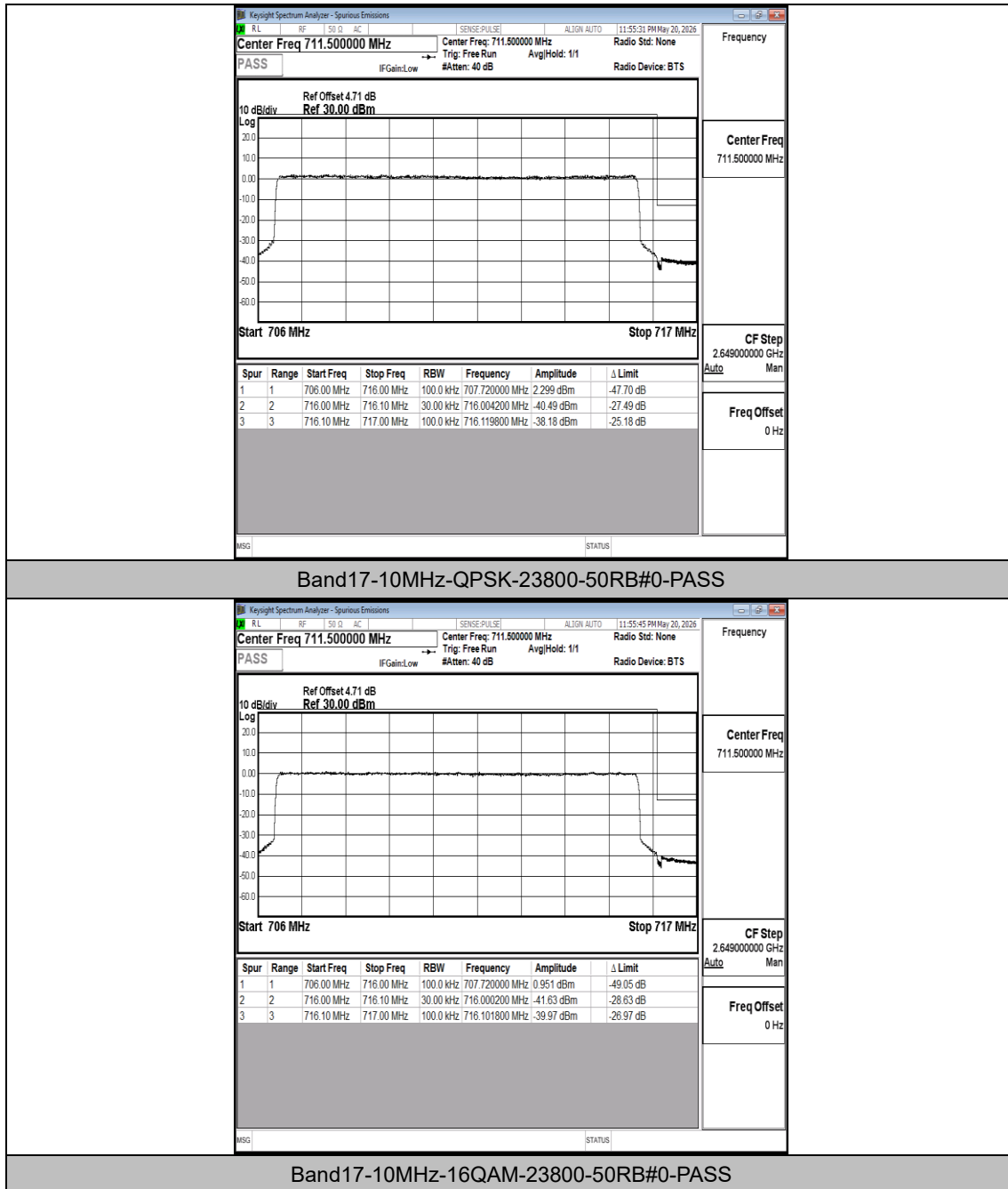
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-36.52	23.52	PASS
Band17	5MHz	16QAM	23755	25RB#0	-37.39	24.39	PASS
Band17	5MHz	QPSK	23825	25RB#0	-36.09	23.09	PASS
Band17	5MHz	16QAM	23825	25RB#0	-37.01	24.01	PASS
Band17	10MHz	QPSK	23780	50RB#0	-40.17	27.17	PASS
Band17	10MHz	16QAM	23780	50RB#0	-40.43	27.43	PASS
Band17	10MHz	QPSK	23800	50RB#0	-38.18	25.18	PASS
Band17	10MHz	16QAM	23800	50RB#0	-39.97	26.97	PASS

Test Graphs









M.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-52.60	-33.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-62.12	-23.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-41.51	-13.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-35.21	-13.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-39.75	-13.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-54.22	-33.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-61.40	-23.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-44.55	-13.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-37.87	-13.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-40.16	-13.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-52.07	-33.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-63.82	-23.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-45.08	-13.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-40.00	-13.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-39.96	-13.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-53.18	-33.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-61.79	-23.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-45.11	-13.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-41.48	-13.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-39.85	-13.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-52.89	-33.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-61.91	-23.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-36.18	-13.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-36.61	-13.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-39.96	-13.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-52.57	-33.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-62.20	-23.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-37.14	-13.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-38.22	-13.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-39.95	-13.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-54.28	-33.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-63.05	-23.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-45.37	-13.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-35.60	-13.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-39.80	-13.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-52.68	-33.0	PASS

Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-61.01	-23.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-43.81	-13.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-35.40	-13.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-39.45	-13.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-51.30	-33.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-64.43	-23.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-48.73	-13.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-36.12	-13.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-39.83	-13.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-52.16	-33.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-62.84	-23.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-45.16	-13.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-35.53	-13.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-40.20	-13.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-51.88	-33.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-62.08	-23.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-48.47	-13.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-37.37	-13.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-39.75	-13.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-52.66	-33.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-62.29	-23.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-42.77	-13.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-37.69	-13.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-39.47	-13.0	PASS

Test Graphs

