



Appendix I: Test Data for E-UTRA Band 12

Product Name: Smartphone

Test Model: ZG65 Pro

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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I.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.37	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	22.06	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.23	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	22.18	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.31	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	22.08	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.29	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.22	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	23.43	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.19	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	23.06	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.21	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.40	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	21.71	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.01	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.55	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.14	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.61	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.19	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.81	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	23.26	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	22.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	23.25	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	22.29	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	23.45	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	22.16	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.53	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.51	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	23.02	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	22.75	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	23.09	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.73	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	23.01	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	22.98	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	23.21	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	22.30	PASS



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Band12	1.4MHz	QPSK	23173	3RB#1	23.21	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	22.30	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	23.22	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	22.25	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	22.20	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	21.67	PASS
Band12	3MHz	QPSK	23025	1RB#0	23.02	PASS
Band12	3MHz	16QAM	23025	1RB#0	22.14	PASS
Band12	3MHz	QPSK	23025	1RB#8	23.03	PASS
Band12	3MHz	16QAM	23025	1RB#8	22.00	PASS
Band12	3MHz	QPSK	23025	1RB#14	23.19	PASS
Band12	3MHz	16QAM	23025	1RB#14	22.03	PASS
Band12	3MHz	QPSK	23025	8RB#0	22.34	PASS
Band12	3MHz	16QAM	23025	8RB#0	21.58	PASS
Band12	3MHz	QPSK	23025	8RB#4	22.34	PASS
Band12	3MHz	16QAM	23025	8RB#4	21.52	PASS
Band12	3MHz	QPSK	23025	8RB#7	22.29	PASS
Band12	3MHz	16QAM	23025	8RB#7	21.59	PASS
Band12	3MHz	QPSK	23025	15RB#0	22.31	PASS
Band12	3MHz	16QAM	23025	15RB#0	21.40	PASS
Band12	3MHz	QPSK	23095	1RB#0	23.18	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.93	PASS
Band12	3MHz	QPSK	23095	1RB#8	23.23	PASS
Band12	3MHz	16QAM	23095	1RB#8	22.02	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.15	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.99	PASS
Band12	3MHz	QPSK	23095	8RB#0	22.18	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.72	PASS
Band12	3MHz	QPSK	23095	8RB#4	22.19	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.65	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.23	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.60	PASS
Band12	3MHz	QPSK	23095	15RB#0	22.19	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.34	PASS
Band12	3MHz	QPSK	23165	1RB#0	23.15	PASS
Band12	3MHz	16QAM	23165	1RB#0	22.78	PASS
Band12	3MHz	QPSK	23165	1RB#8	23.13	PASS
Band12	3MHz	16QAM	23165	1RB#8	22.69	PASS
Band12	3MHz	QPSK	23165	1RB#14	23.04	PASS
Band12	3MHz	16QAM	23165	1RB#14	22.64	PASS



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Band12	3MHz	QPSK	23165	8RB#0	22.23	PASS
Band12	3MHz	16QAM	23165	8RB#0	21.39	PASS
Band12	3MHz	QPSK	23165	8RB#4	22.24	PASS
Band12	3MHz	16QAM	23165	8RB#4	21.63	PASS
Band12	3MHz	QPSK	23165	8RB#7	22.19	PASS
Band12	3MHz	16QAM	23165	8RB#7	21.59	PASS
Band12	3MHz	QPSK	23165	15RB#0	22.22	PASS
Band12	3MHz	16QAM	23165	15RB#0	21.55	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.47	PASS
Band12	5MHz	16QAM	23035	1RB#0	22.05	PASS
Band12	5MHz	QPSK	23035	1RB#12	23.35	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.98	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.51	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.90	PASS
Band12	5MHz	QPSK	23035	12RB#0	22.63	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.78	PASS
Band12	5MHz	QPSK	23035	12RB#6	22.63	PASS
Band12	5MHz	16QAM	23035	12RB#6	21.75	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.49	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.70	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.50	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.82	PASS
Band12	5MHz	QPSK	23095	1RB#0	23.42	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.84	PASS
Band12	5MHz	QPSK	23095	1RB#12	23.25	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.77	PASS
Band12	5MHz	QPSK	23095	1RB#24	23.15	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.74	PASS
Band12	5MHz	QPSK	23095	12RB#0	22.64	PASS
Band12	5MHz	16QAM	23095	12RB#0	21.91	PASS
Band12	5MHz	QPSK	23095	12RB#6	22.35	PASS
Band12	5MHz	16QAM	23095	12RB#6	21.68	PASS
Band12	5MHz	QPSK	23095	12RB#13	22.59	PASS
Band12	5MHz	16QAM	23095	12RB#13	21.62	PASS
Band12	5MHz	QPSK	23095	25RB#0	22.64	PASS
Band12	5MHz	16QAM	23095	25RB#0	21.52	PASS
Band12	5MHz	QPSK	23155	1RB#0	23.36	PASS
Band12	5MHz	16QAM	23155	1RB#0	22.33	PASS
Band12	5MHz	QPSK	23155	1RB#12	23.23	PASS
Band12	5MHz	16QAM	23155	1RB#12	22.37	PASS



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Band12	5MHz	QPSK	23155	1RB#24	23.08	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.27	PASS
Band12	5MHz	QPSK	23155	12RB#0	22.44	PASS
Band12	5MHz	16QAM	23155	12RB#0	21.61	PASS
Band12	5MHz	QPSK	23155	12RB#6	22.44	PASS
Band12	5MHz	16QAM	23155	12RB#6	21.61	PASS
Band12	5MHz	QPSK	23155	12RB#13	22.50	PASS
Band12	5MHz	16QAM	23155	12RB#13	21.68	PASS
Band12	5MHz	QPSK	23155	25RB#0	22.59	PASS
Band12	5MHz	16QAM	23155	25RB#0	21.77	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.28	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.39	PASS
Band12	10MHz	QPSK	23060	1RB#24	23.28	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.32	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.21	PASS
Band12	10MHz	16QAM	23060	1RB#49	22.45	PASS
Band12	10MHz	QPSK	23060	25RB#0	22.52	PASS
Band12	10MHz	16QAM	23060	25RB#0	21.71	PASS
Band12	10MHz	QPSK	23060	25RB#12	22.52	PASS
Band12	10MHz	16QAM	23060	25RB#12	21.70	PASS
Band12	10MHz	QPSK	23060	25RB#25	22.53	PASS
Band12	10MHz	16QAM	23060	25RB#25	21.67	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.73	PASS
Band12	10MHz	16QAM	23060	50RB#0	21.74	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.59	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.54	PASS
Band12	10MHz	QPSK	23095	1RB#24	23.57	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.62	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.46	PASS
Band12	10MHz	16QAM	23095	1RB#49	22.44	PASS
Band12	10MHz	QPSK	23095	25RB#0	22.35	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.77	PASS
Band12	10MHz	QPSK	23095	25RB#12	22.35	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	22.49	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.79	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.55	PASS
Band12	10MHz	16QAM	23095	50RB#0	21.74	PASS
Band12	10MHz	QPSK	23130	1RB#0	23.31	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.29	PASS



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Band12	10MHz	QPSK	23130	1RB#24	23.25	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.24	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.18	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.22	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.50	PASS
Band12	10MHz	16QAM	23130	25RB#0	21.70	PASS
Band12	10MHz	QPSK	23130	25RB#12	22.55	PASS
Band12	10MHz	16QAM	23130	25RB#12	21.70	PASS
Band12	10MHz	QPSK	23130	25RB#25	22.56	PASS
Band12	10MHz	16QAM	23130	25RB#25	21.74	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.46	PASS
Band12	10MHz	16QAM	23130	50RB#0	21.80	PASS



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I.2 Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.70	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.17	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.36	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.06	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.74	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.18	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.39	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.07	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.25	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.82	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.87	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.56	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.02	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.85	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.46	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.22	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	4.98	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.77	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.45	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.21	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.74	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.55	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.15	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.87	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.86	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.56	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.49	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.13	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.85	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.48	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.49	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.13	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.81	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.55	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.29	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.92	13	PASS



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Band12	10MHz	QPSK	23060	1RB#0	4.79	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.64	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.52	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.15	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.87	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.70	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.20	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.79	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.60	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.43	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.10	13	PASS



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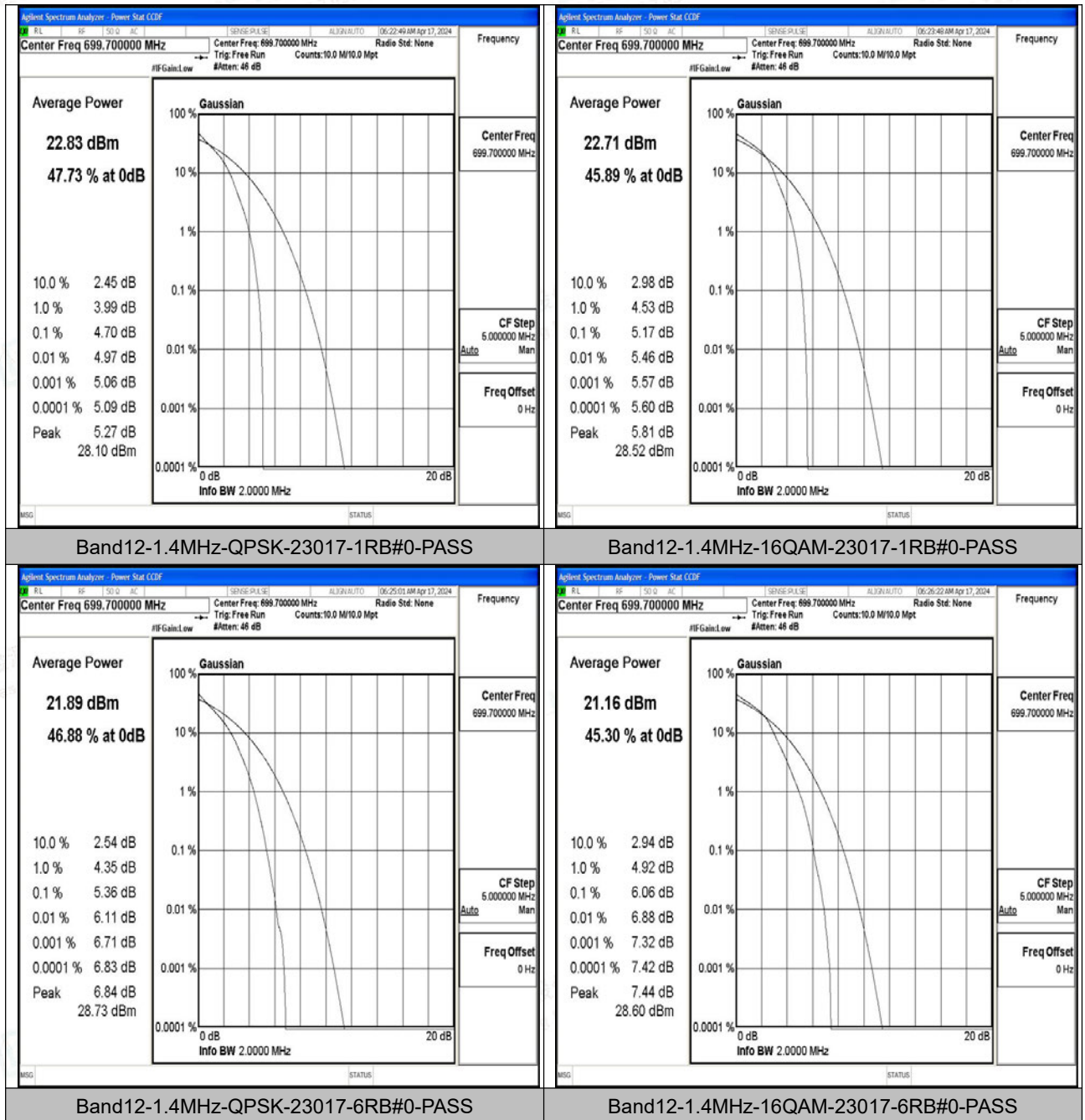
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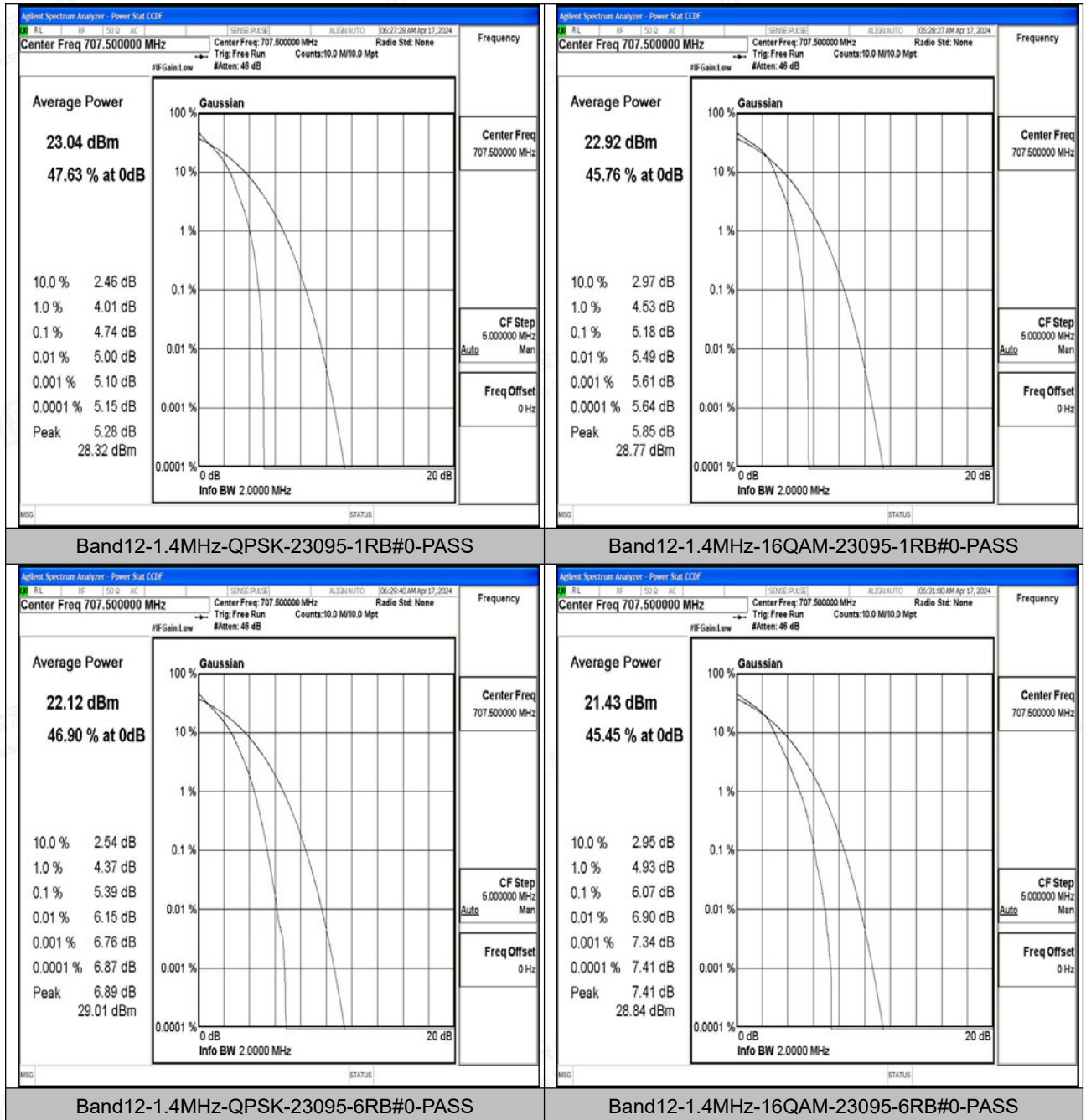
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Test Graphs



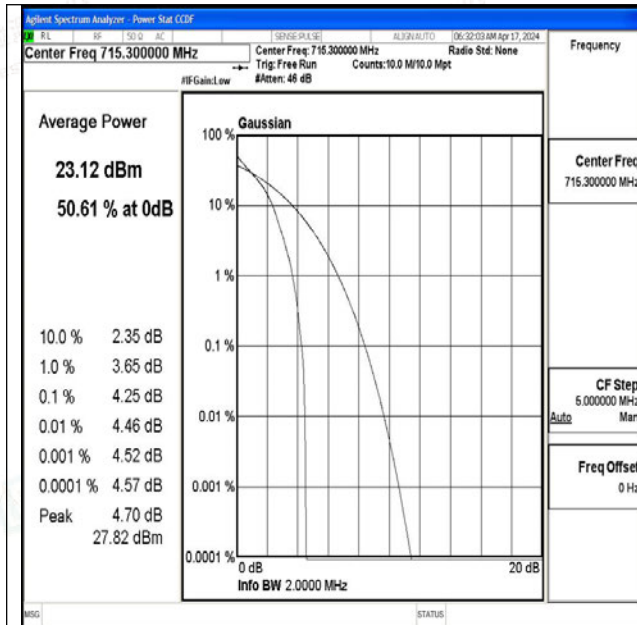


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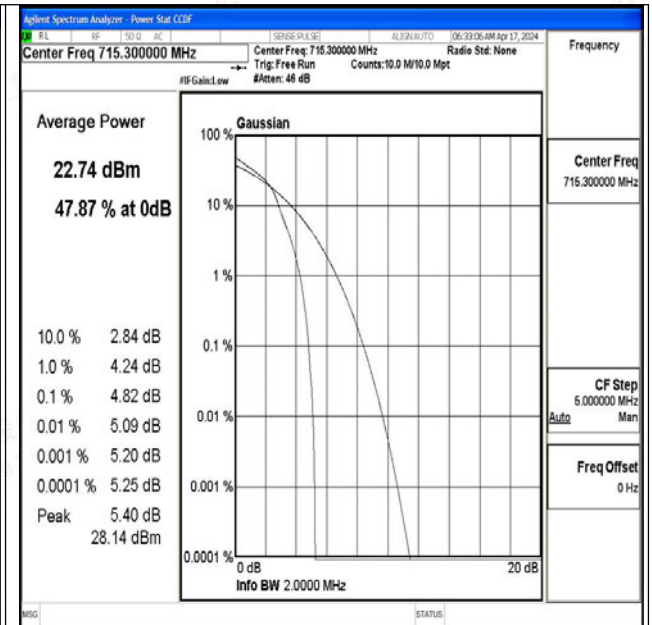
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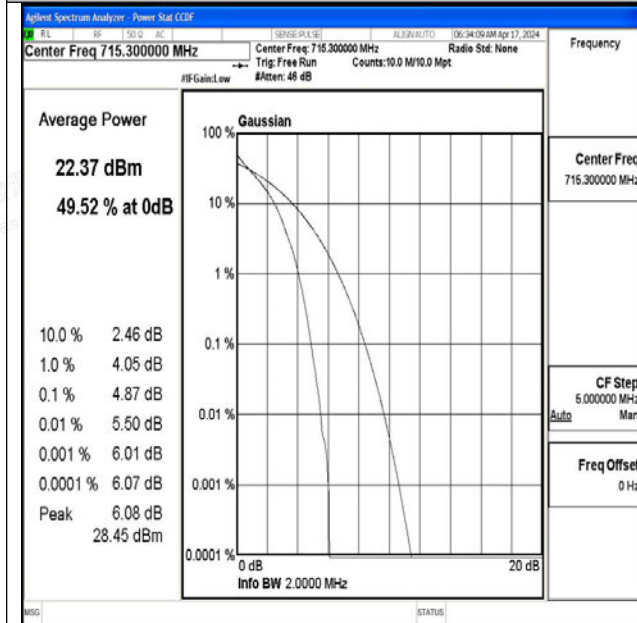
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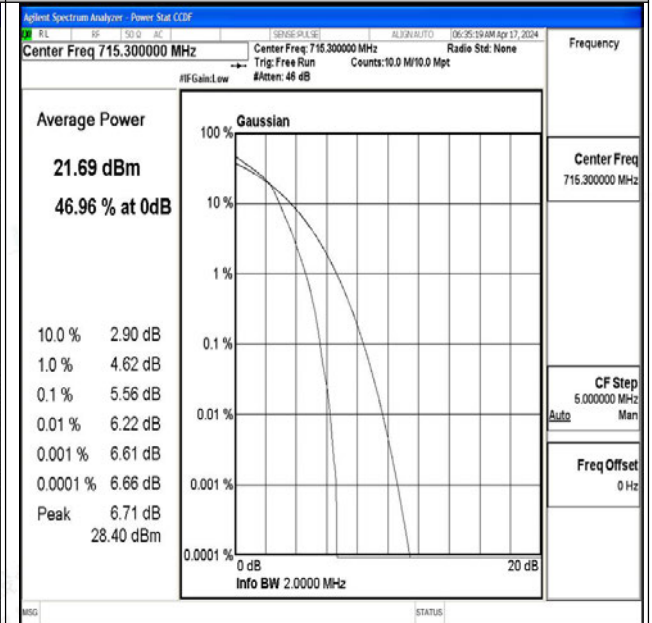
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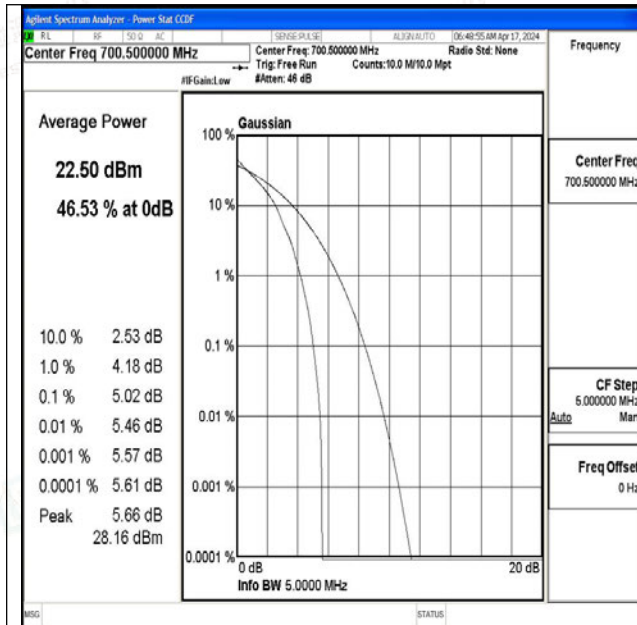


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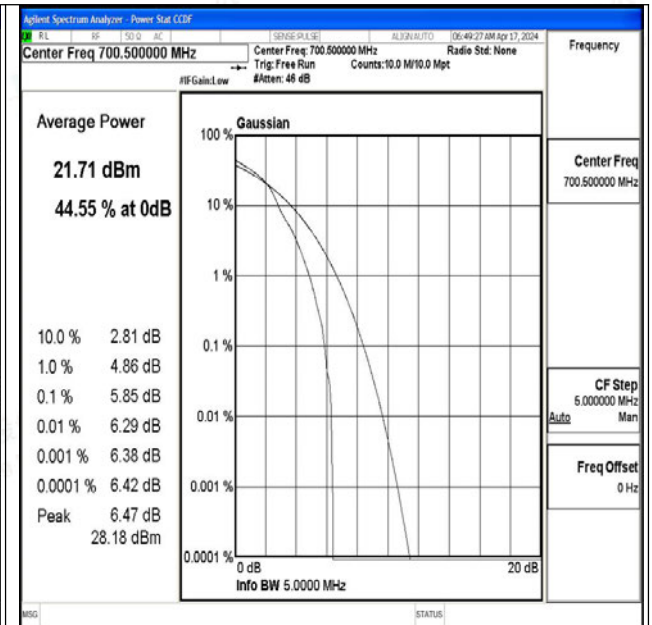
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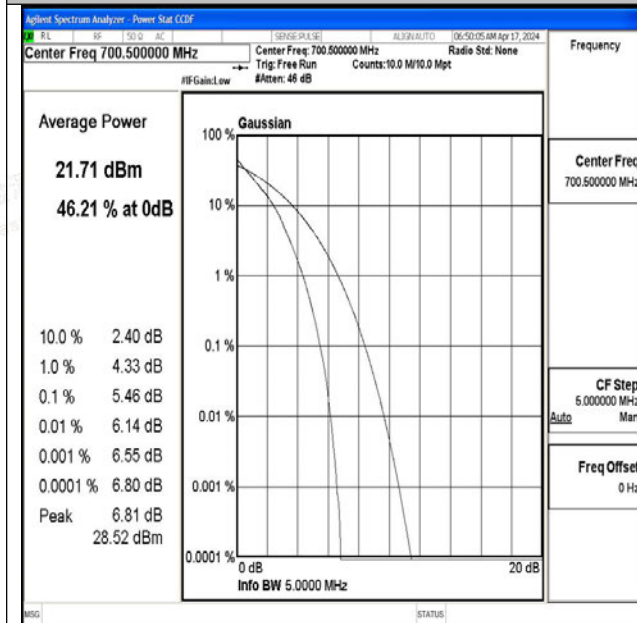
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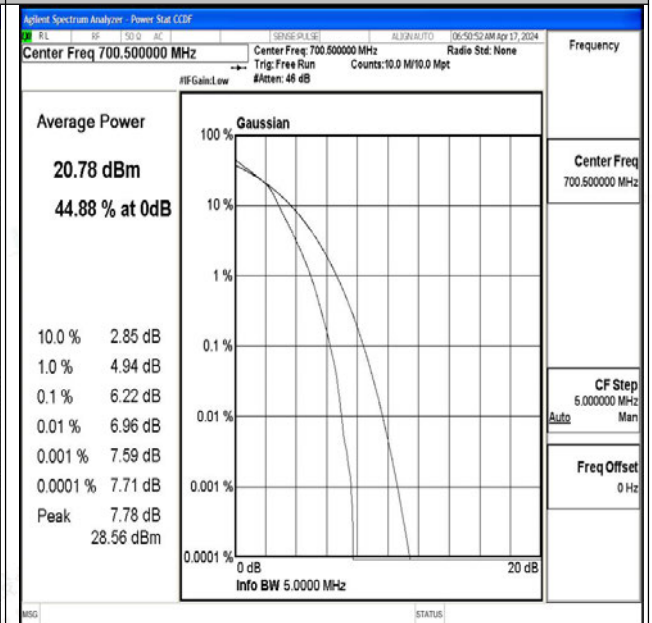
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Band12-3MHz-16QAM-23025-1RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-16QAM-23025-15RB#0-PASS

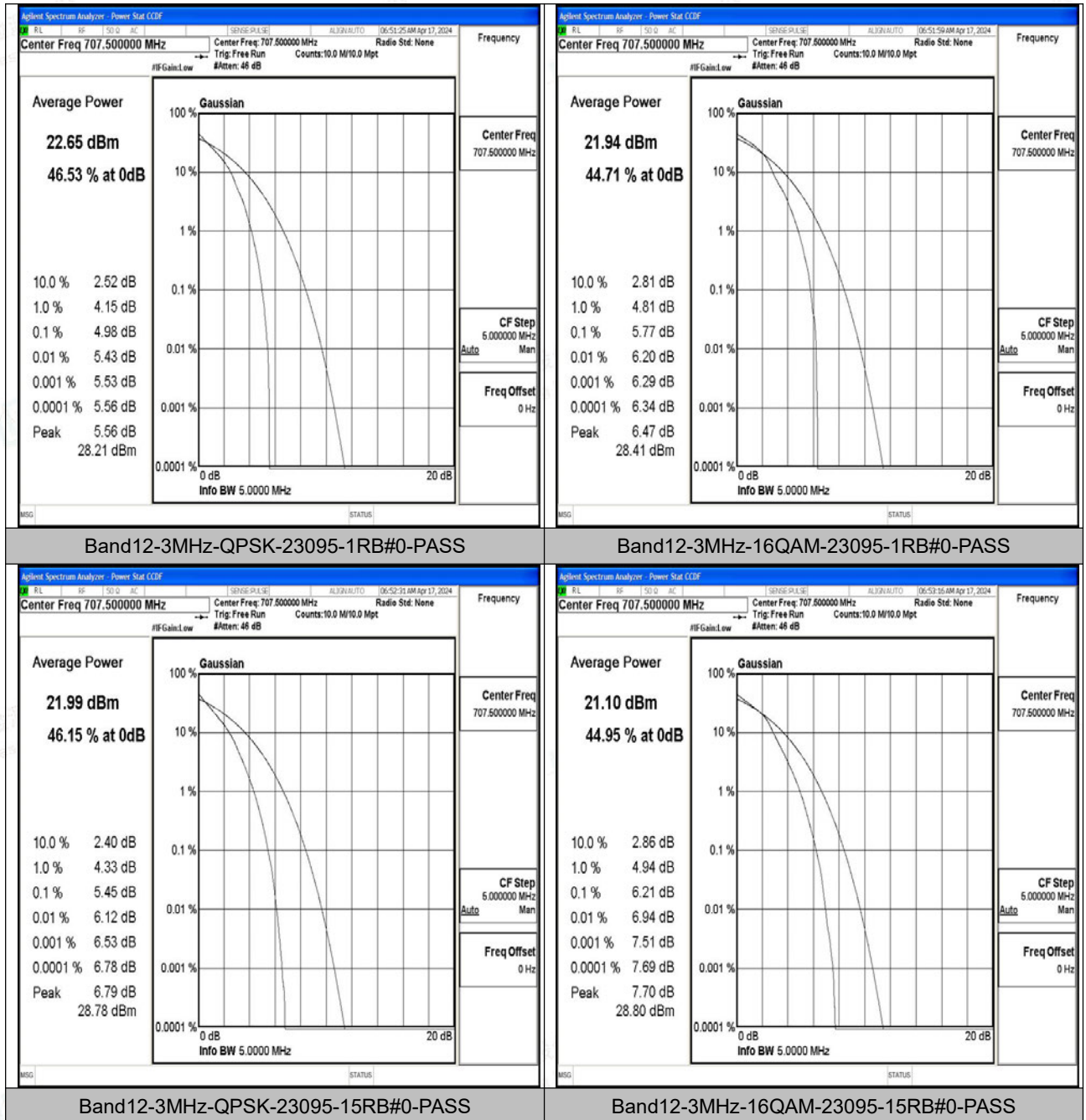


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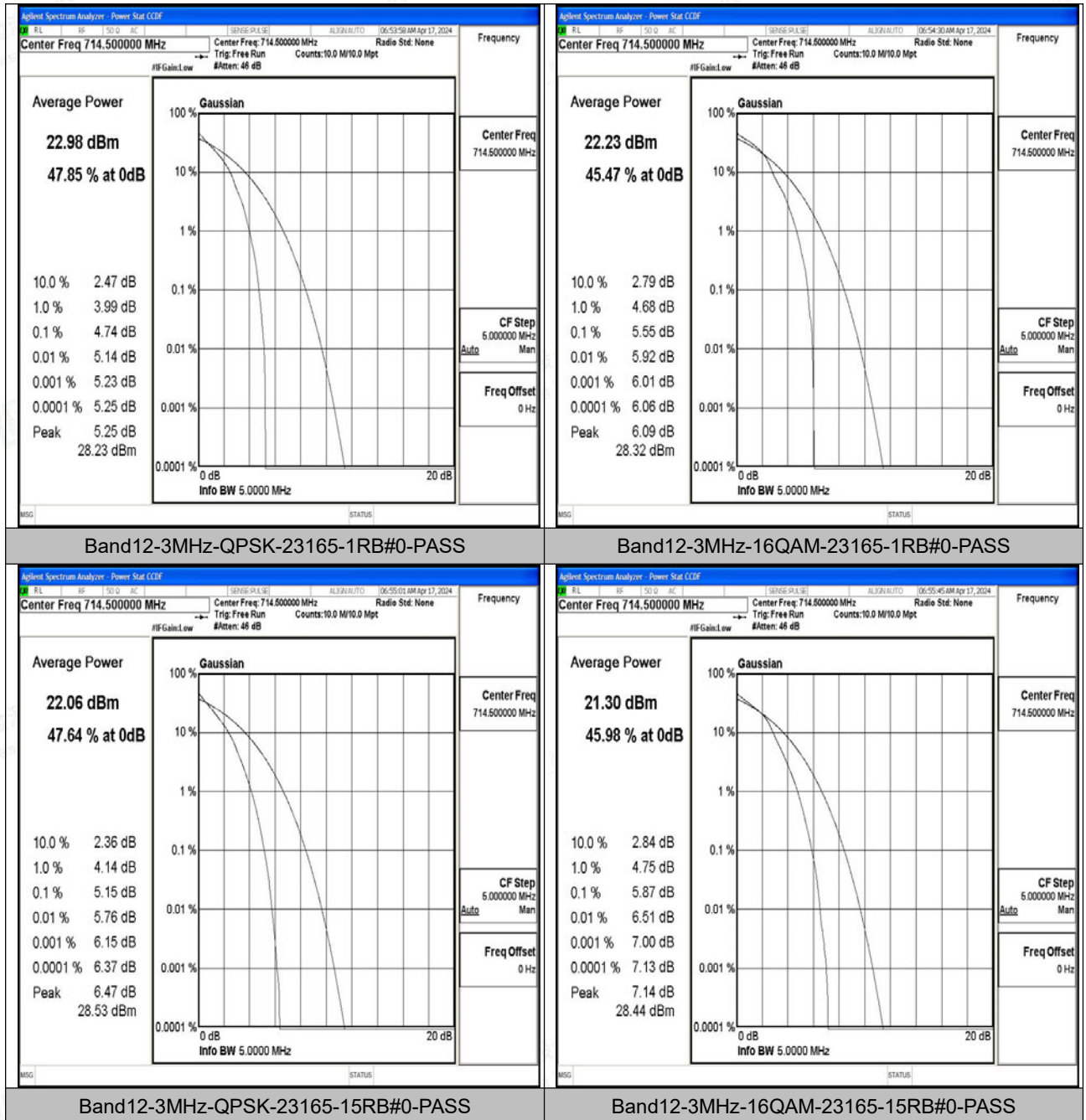


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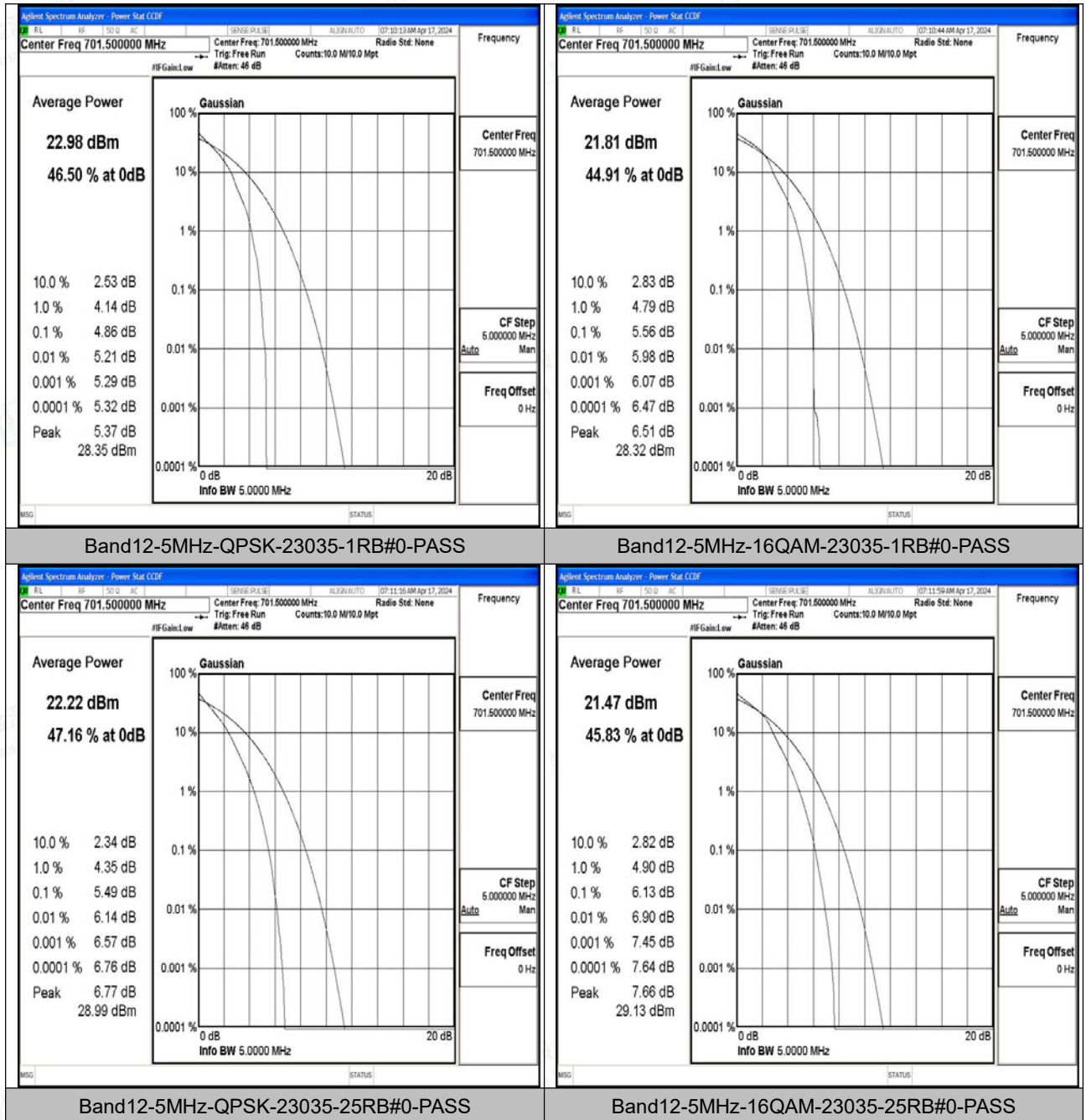


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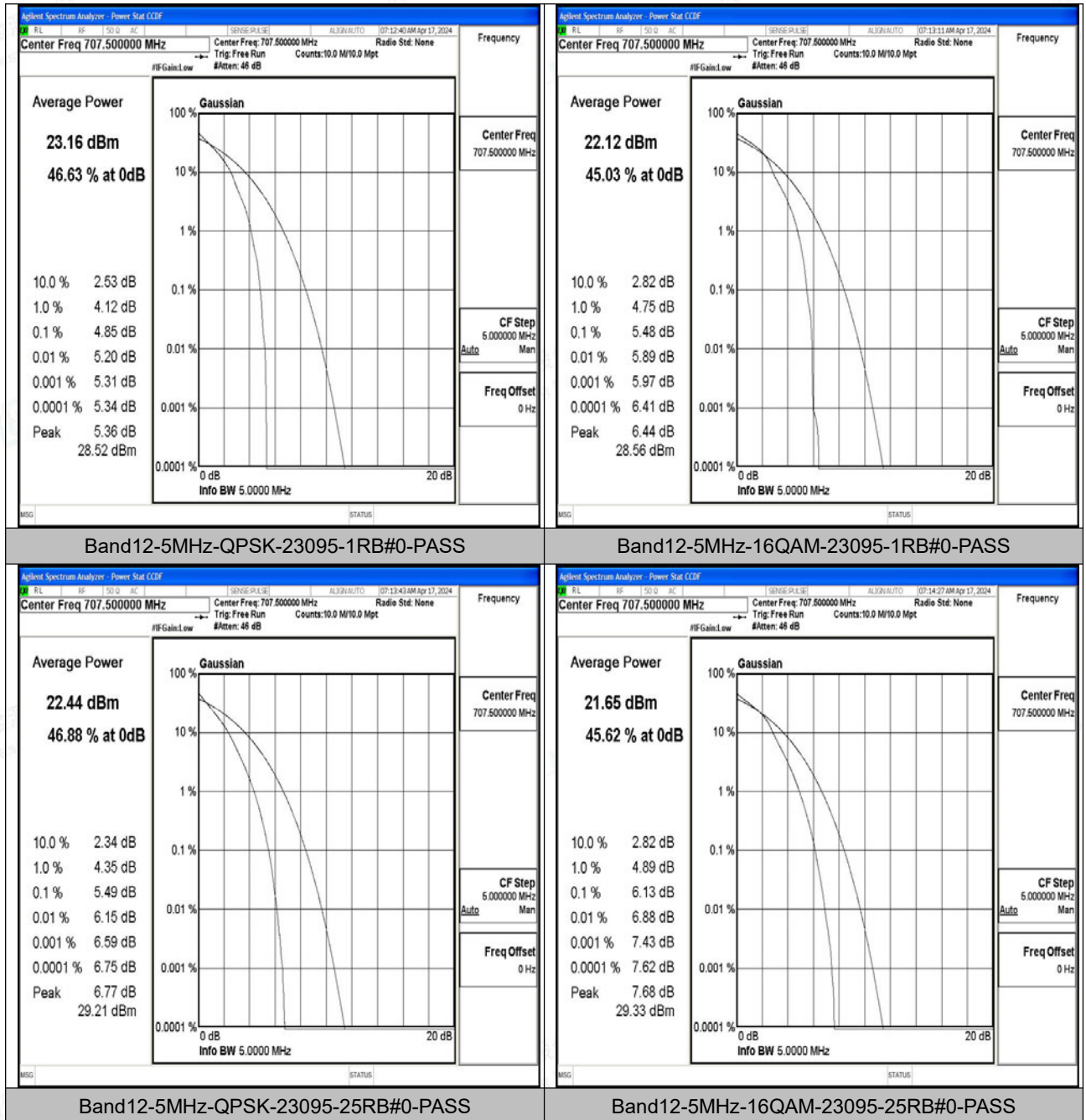


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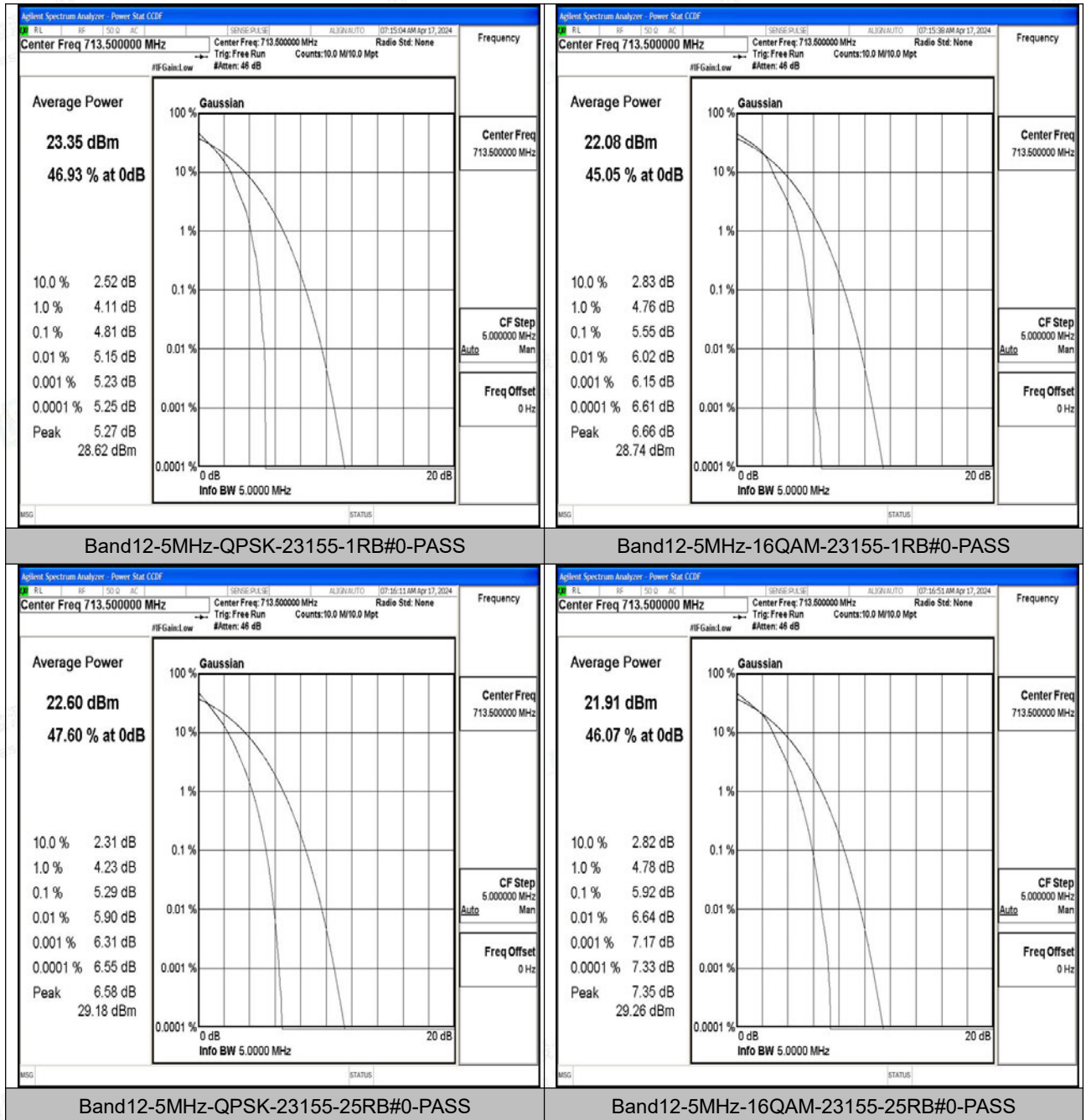


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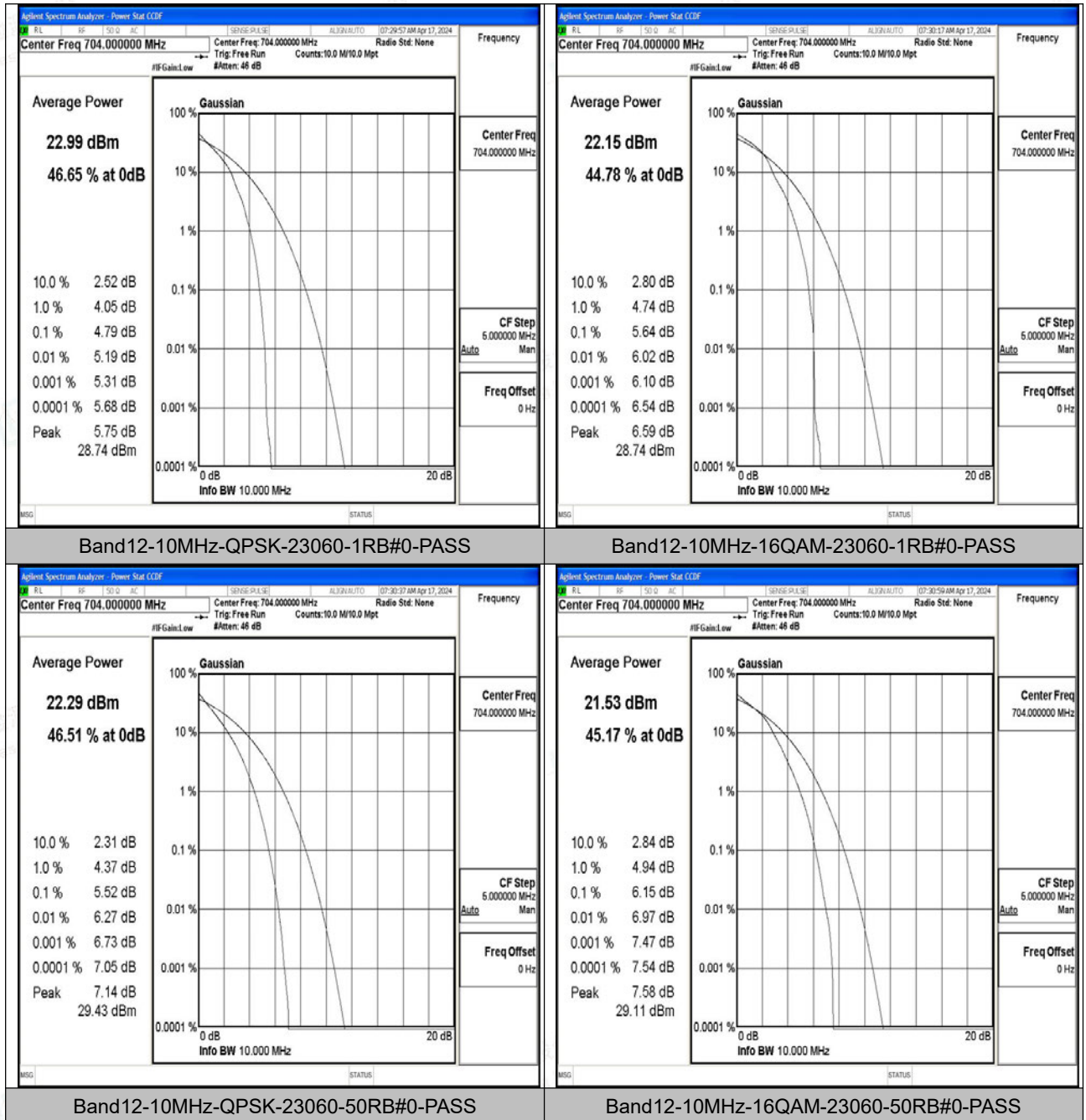


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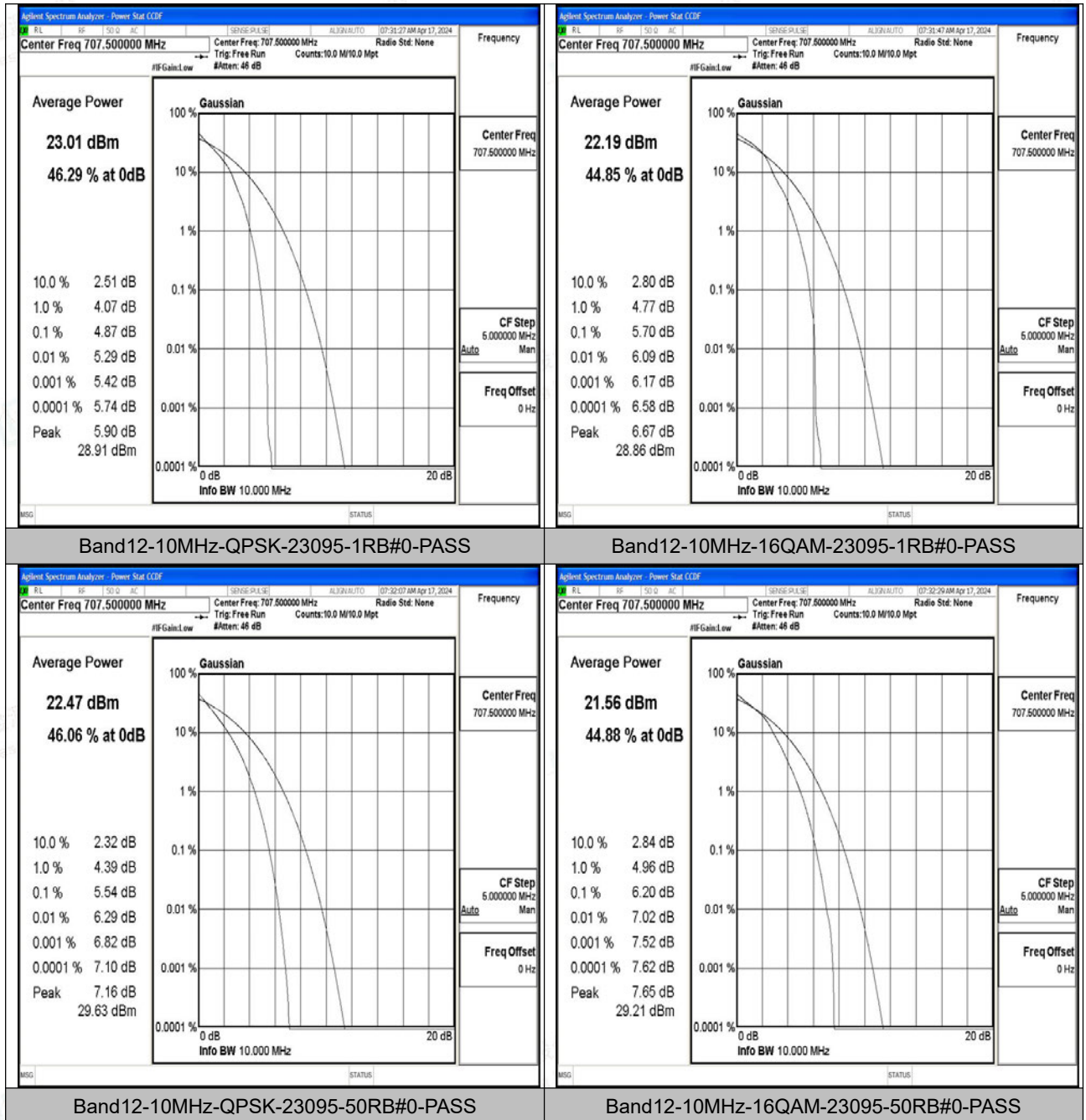


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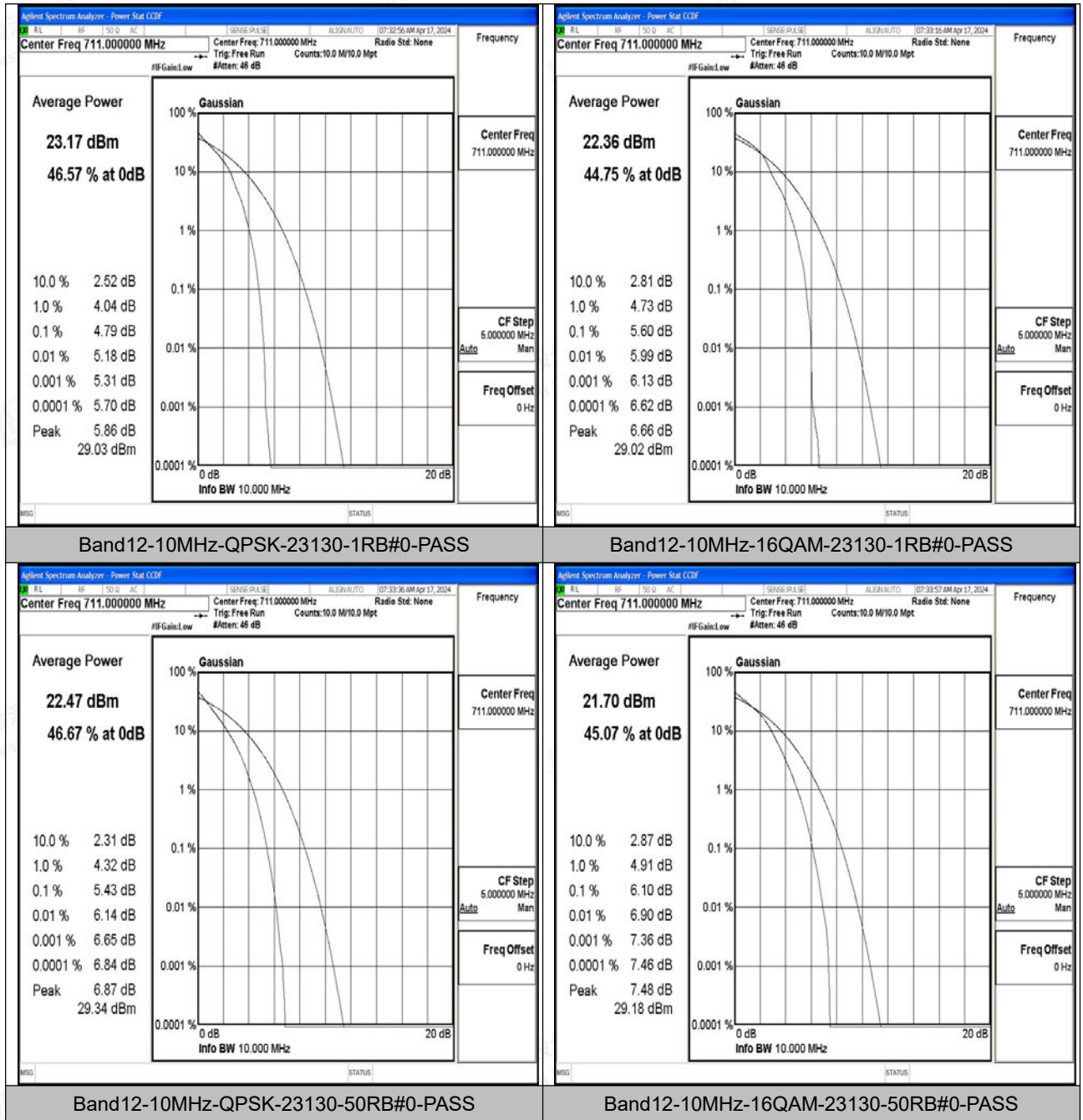


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I.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0946	1.281	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1038	1.323	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0913	1.310	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1057	1.295	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0960	1.282	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1051	1.355	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7137	3.114	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7040	3.085	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7198	3.104	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7039	3.104	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7143	3.147	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6956	3.110	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5313	5.334	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5171	5.284	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5292	5.361	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5239	5.244	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5351	5.292	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5151	5.185	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9961	10.11	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9982	10.05	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9906	10.14	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0018	10.24	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9920	10.17	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0016	10.13	PASS



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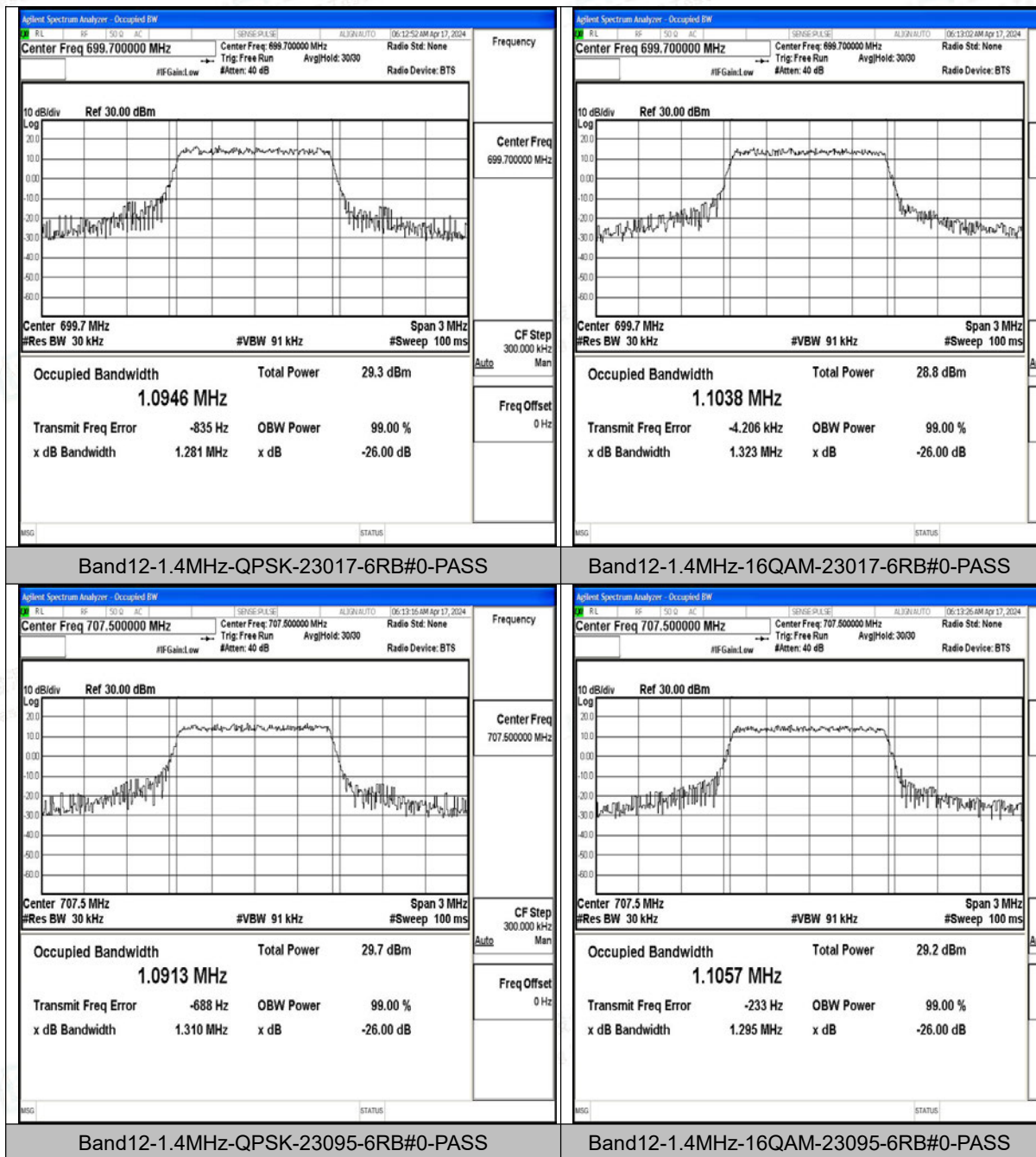
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Test Graphs

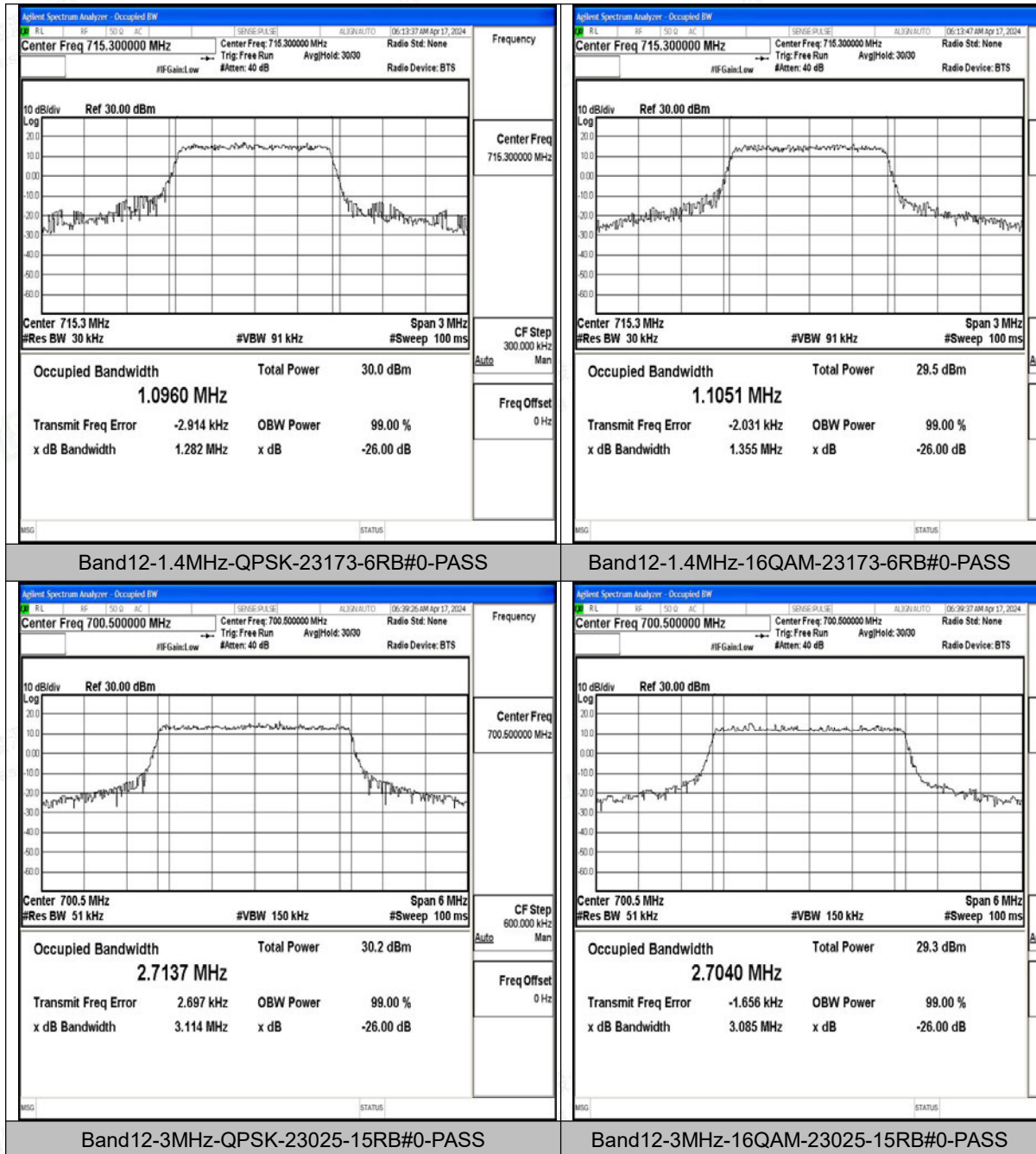


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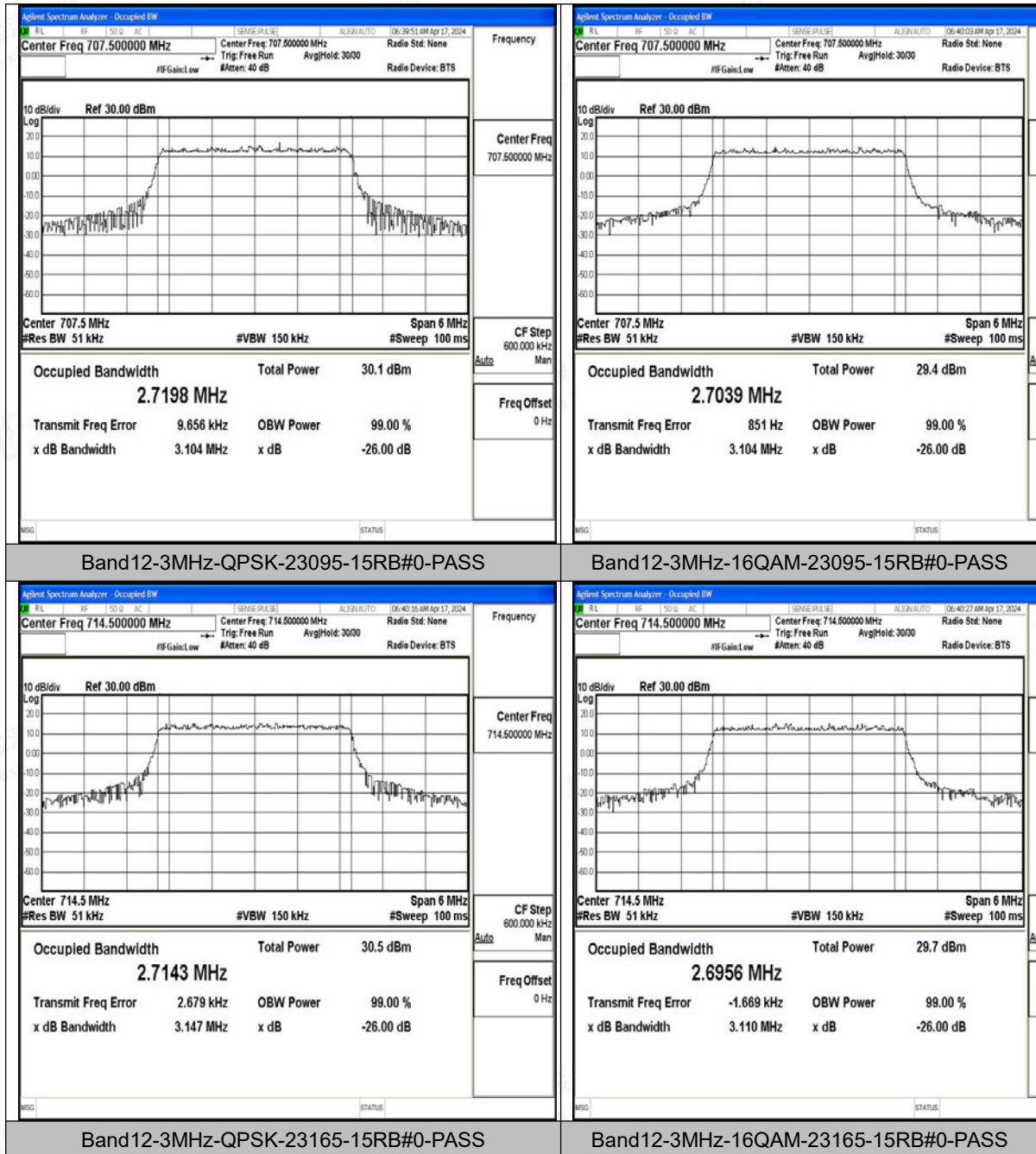


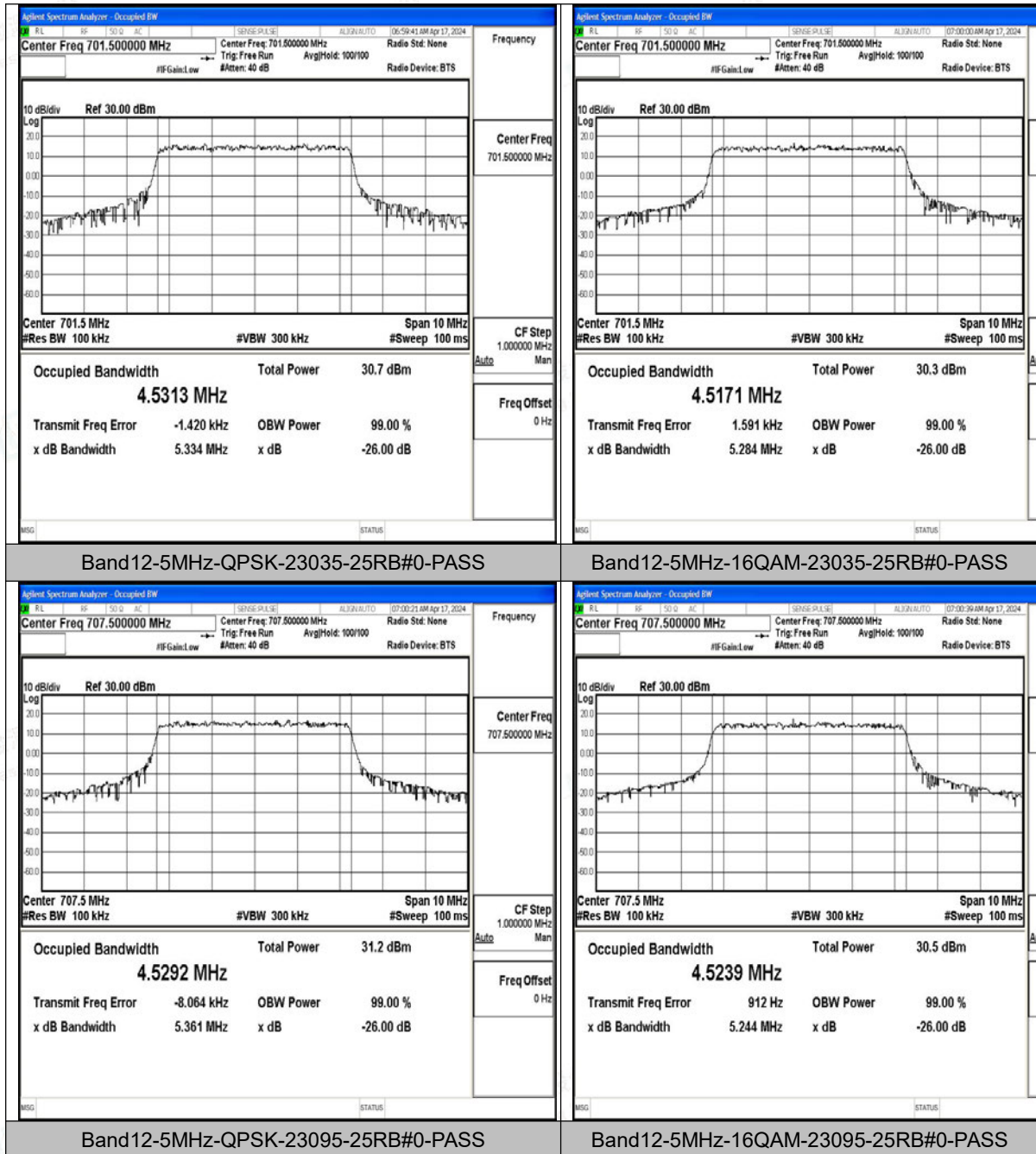
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