



BUREAU
VERITAS

Reference No.: PSU-QSU2509010111RF06



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-59.13	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~10000	-48.67	PASS
Band7	5MHz	QPSK	20775	1RB#0	10000~20000	-56.45	PASS
Band7	5MHz	QPSK	20775	1RB#0	20000~27000	-54.38	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-59.10	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~10000	-48.78	PASS
Band7	5MHz	QPSK	21100	1RB#0	10000~20000	-56.50	PASS
Band7	5MHz	QPSK	21100	1RB#0	20000~27000	-54.39	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-59.10	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~10000	-48.80	PASS
Band7	5MHz	QPSK	21425	1RB#0	10000~20000	-56.44	PASS
Band7	5MHz	QPSK	21425	1RB#0	20000~27000	-54.39	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~1000	-59.05	PASS
Band7	10MHz	QPSK	20800	1RB#0	1000~10000	-48.85	PASS
Band7	10MHz	QPSK	20800	1RB#0	10000~20000	-56.49	PASS
Band7	10MHz	QPSK	20800	1RB#0	20000~27000	-54.37	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~1000	-59.11	PASS
Band7	10MHz	QPSK	21100	1RB#0	1000~10000	-48.83	PASS
Band7	10MHz	QPSK	21100	1RB#0	10000~20000	-56.52	PASS
Band7	10MHz	QPSK	21100	1RB#0	20000~27000	-54.33	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~1000	-59.00	PASS
Band7	10MHz	QPSK	21400	1RB#0	1000~10000	-48.68	PASS
Band7	10MHz	QPSK	21400	1RB#0	10000~20000	-56.35	PASS
Band7	10MHz	QPSK	21400	1RB#0	20000~27000	-54.39	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~1000	-59.13	PASS
Band7	15MHz	QPSK	20825	1RB#0	1000~10000	-48.67	PASS
Band7	15MHz	QPSK	20825	1RB#0	10000~20000	-56.40	PASS
Band7	15MHz	QPSK	20825	1RB#0	20000~27000	-54.37	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~1000	-59.09	PASS
Band7	15MHz	QPSK	21100	1RB#0	1000~10000	-48.77	PASS
Band7	15MHz	QPSK	21100	1RB#0	10000~20000	-56.32	PASS
Band7	15MHz	QPSK	21100	1RB#0	20000~27000	-54.35	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~1000	-59.10	PASS
Band7	15MHz	QPSK	21375	1RB#0	1000~10000	-48.75	PASS
Band7	15MHz	QPSK	21375	1RB#0	10000~20000	-56.34	PASS
Band7	15MHz	QPSK	21375	1RB#0	20000~27000	-54.32	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-59.02	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~10000	-48.79	PASS
Band7	20MHz	QPSK	20850	1RB#0	10000~20000	-56.37	PASS
Band7	20MHz	QPSK	20850	1RB#0	20000~27000	-54.30	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-59.07	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~10000	-48.77	PASS
Band7	20MHz	QPSK	21100	1RB#0	10000~20000	-56.45	PASS
Band7	20MHz	QPSK	21100	1RB#0	20000~27000	-54.25	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000	-59.01	PASS



Reference No.: PSU-QSU2509010111RF06

Band7	20MHz	QPSK	21350	1RB#0	1000~10000	-48.71	PASS
Band7	20MHz	QPSK	21350	1RB#0	10000~20000	-56.38	PASS
Band7	20MHz	QPSK	21350	1RB#0	20000~27000	-54.30	PASS

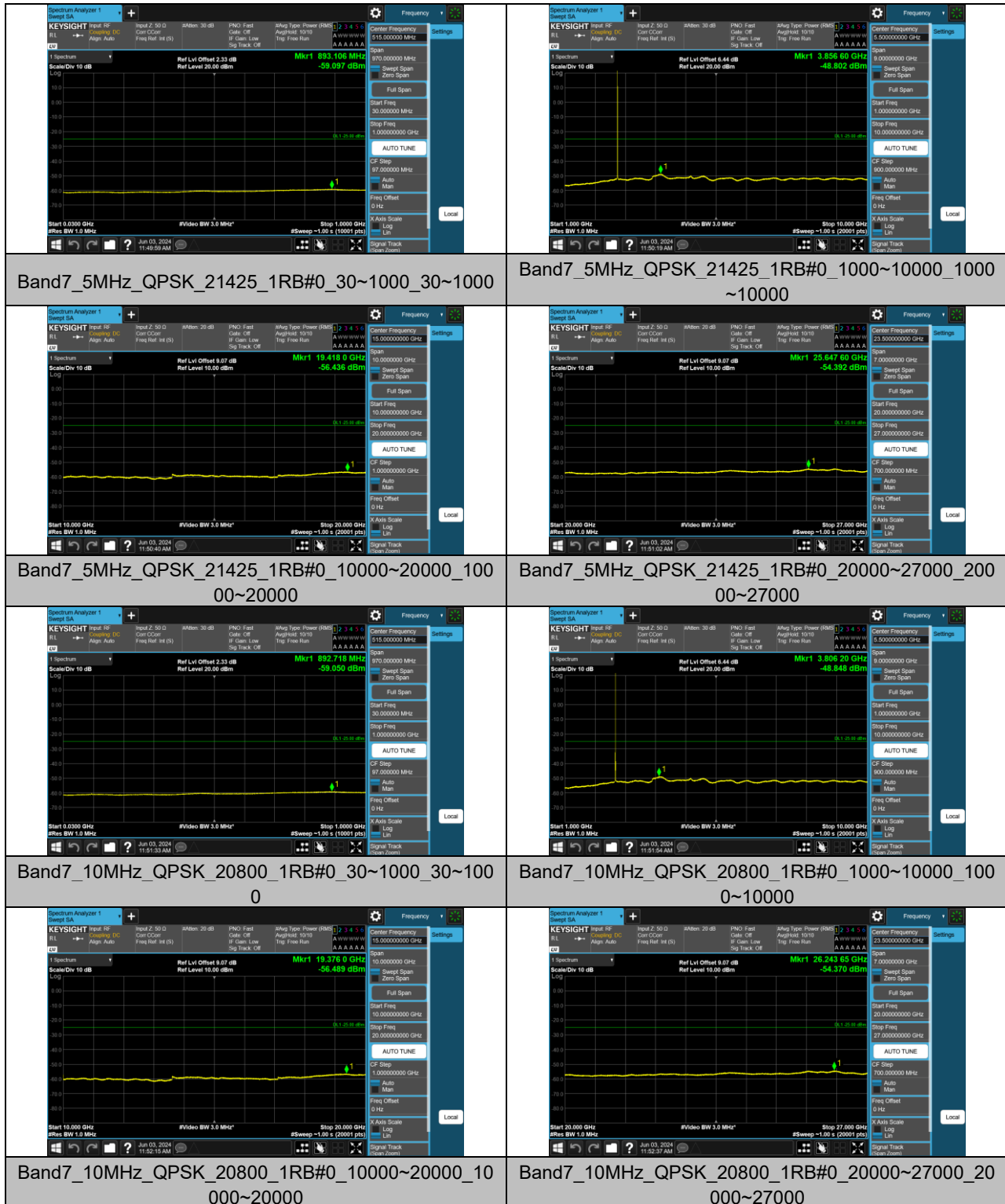
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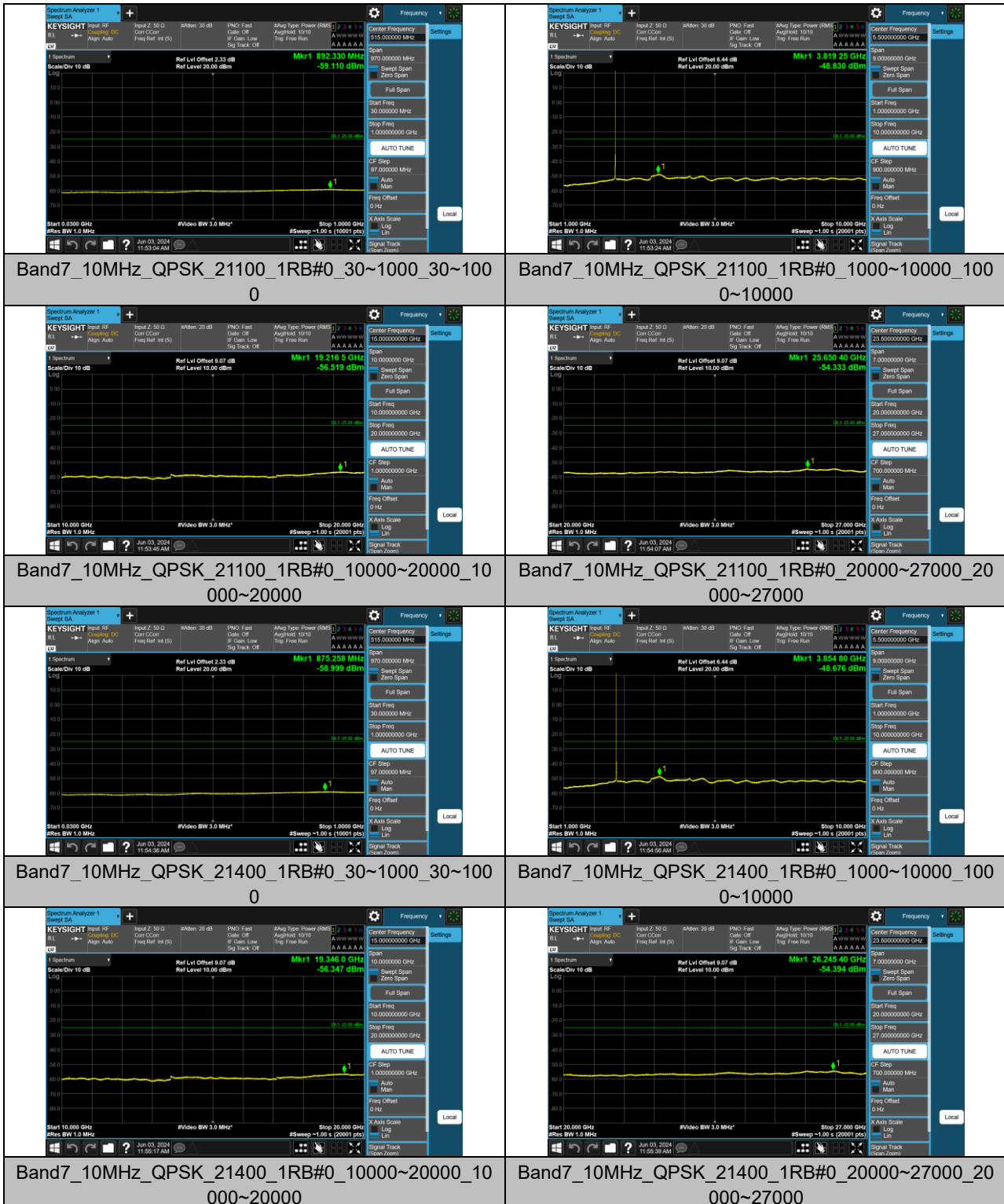


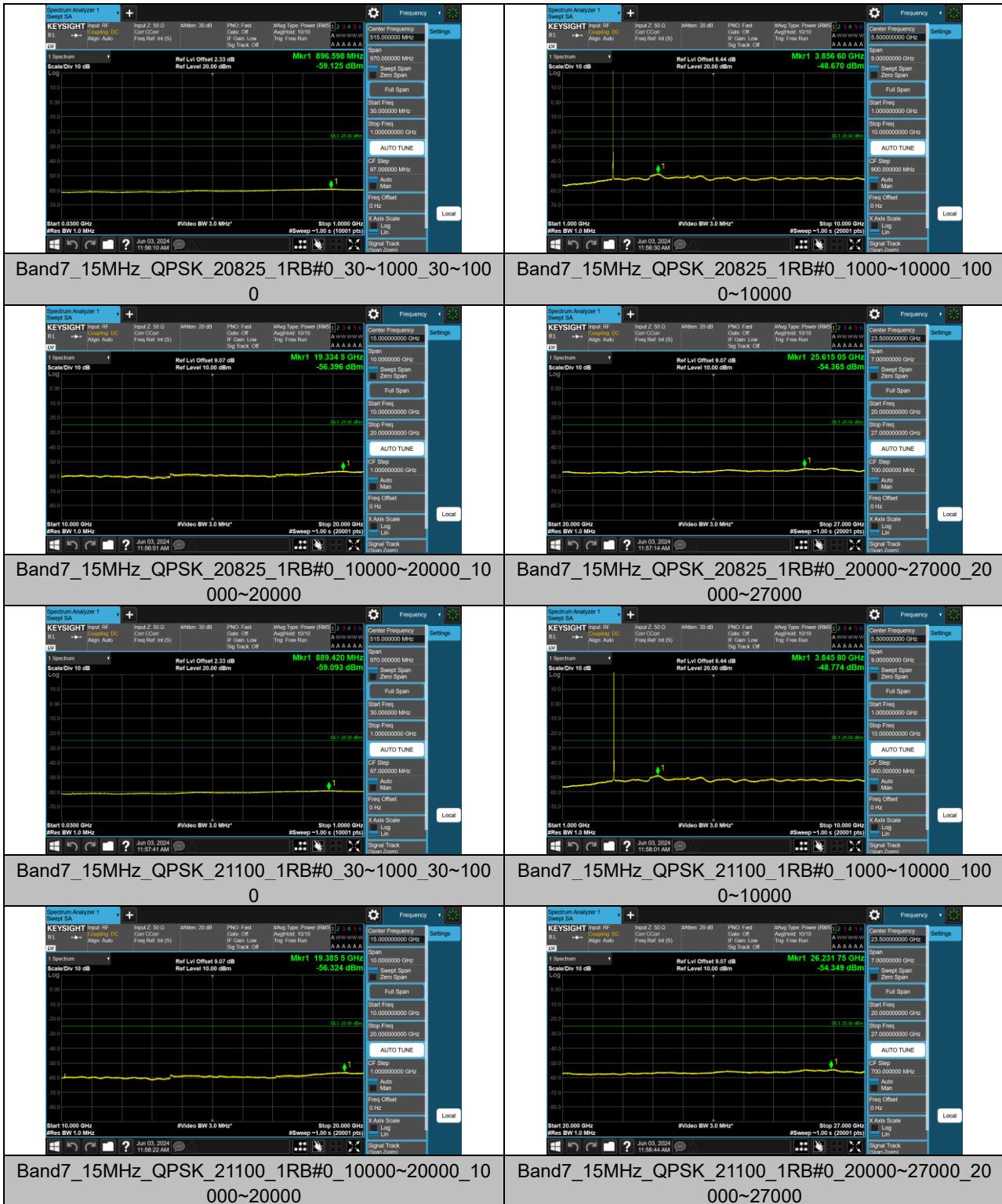
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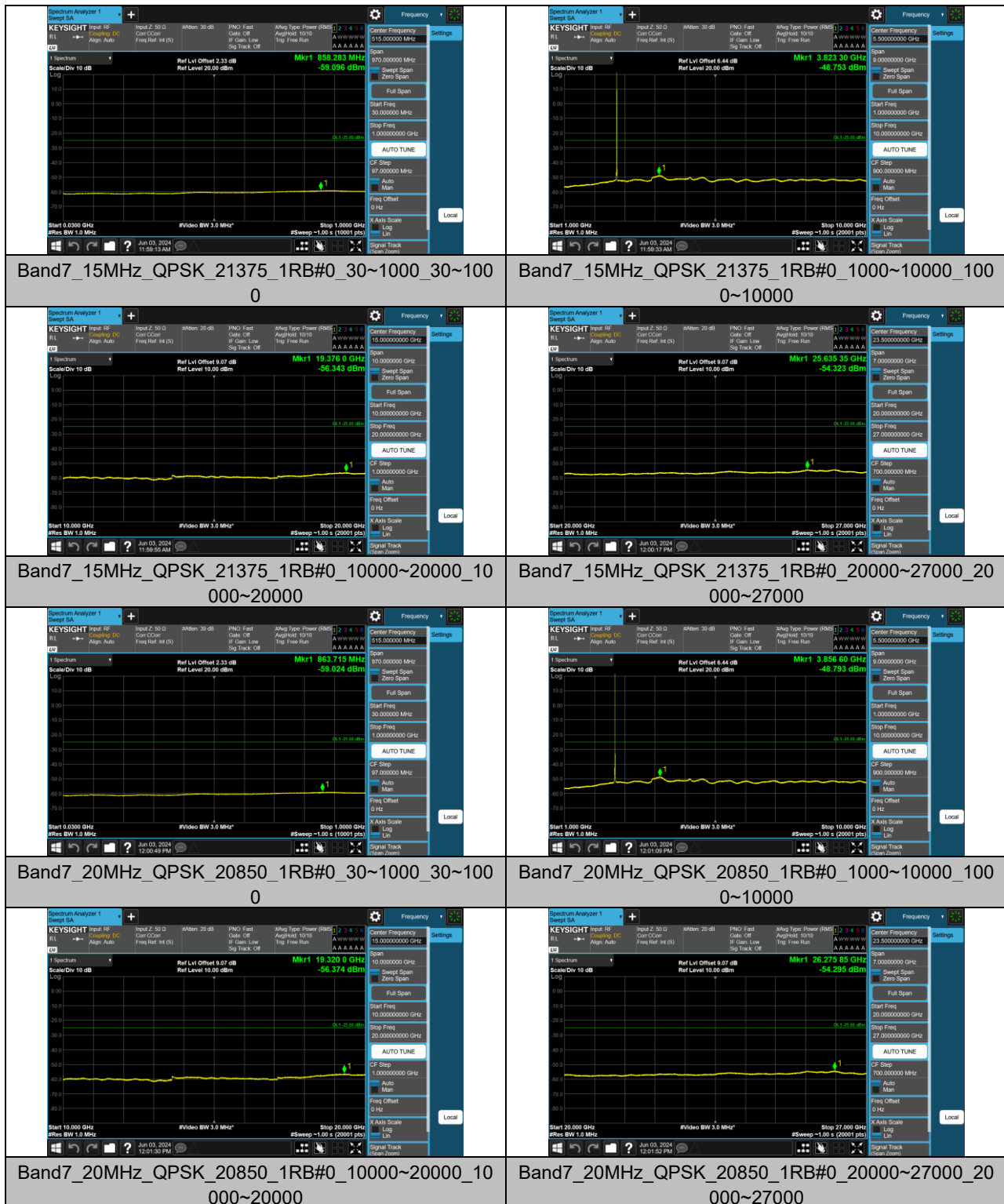
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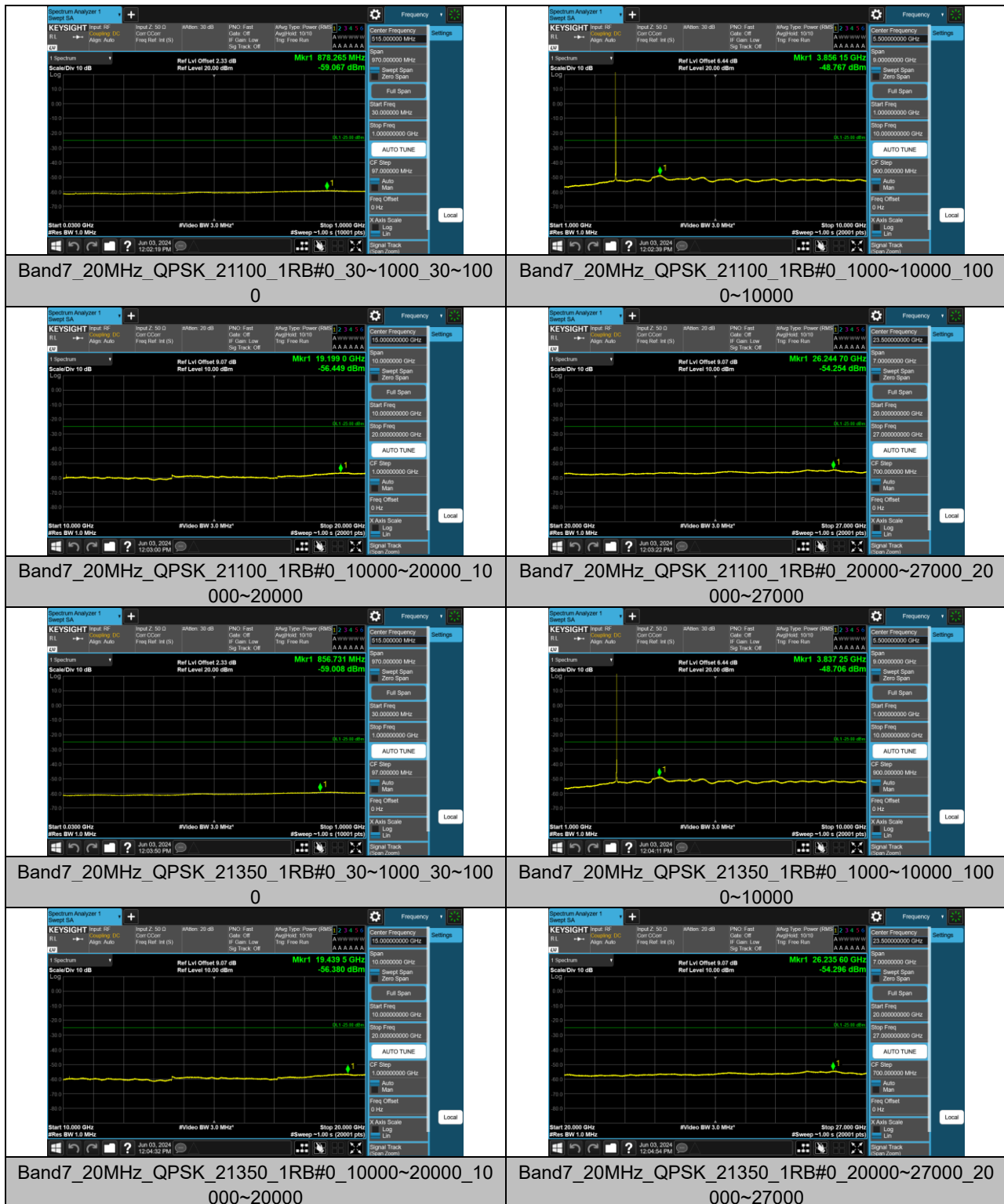
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FREQUENCY STABILITY TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	10MHz	QPSK	20800	50RB #0	VN	NT	908.30	0.36	2500.5412	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	VL	NT	915.44	0.37	2500.54464	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	VH	NT	862.57	0.34	2500.53452	--	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VN	NT	904.47	0.35	--	2569.47323	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VL	NT	737.05	0.29	--	2569.47094	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VH	NT	489.80	0.19	--	2569.46626	2500-2570	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	10MHz	QPSK	20800	50RB #0	NV	-30	948.31	0.38	2500.53711	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-20	948.89	0.38	2500.53757	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	0	792.05	0.32	2500.5401	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	10	754.28	0.30	2500.53716	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	20	681.62	0.27	2500.53725	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-10	532.94	0.21	2500.5431	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	30	509.90	0.20	2500.53579	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	40	478.48	0.19	2500.53544	--	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	50	401.36	0.16	2500.53706	--	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-20	929.10	0.36	--	2569.44563	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-10	793.91	0.31	--	2569.54664	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	0	679.44	0.27	--	2569.48626	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	10	418.35	0.16	--	2569.43653	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	20	268.4	0.10	--	2569.	2500-	PASS



BUREAU
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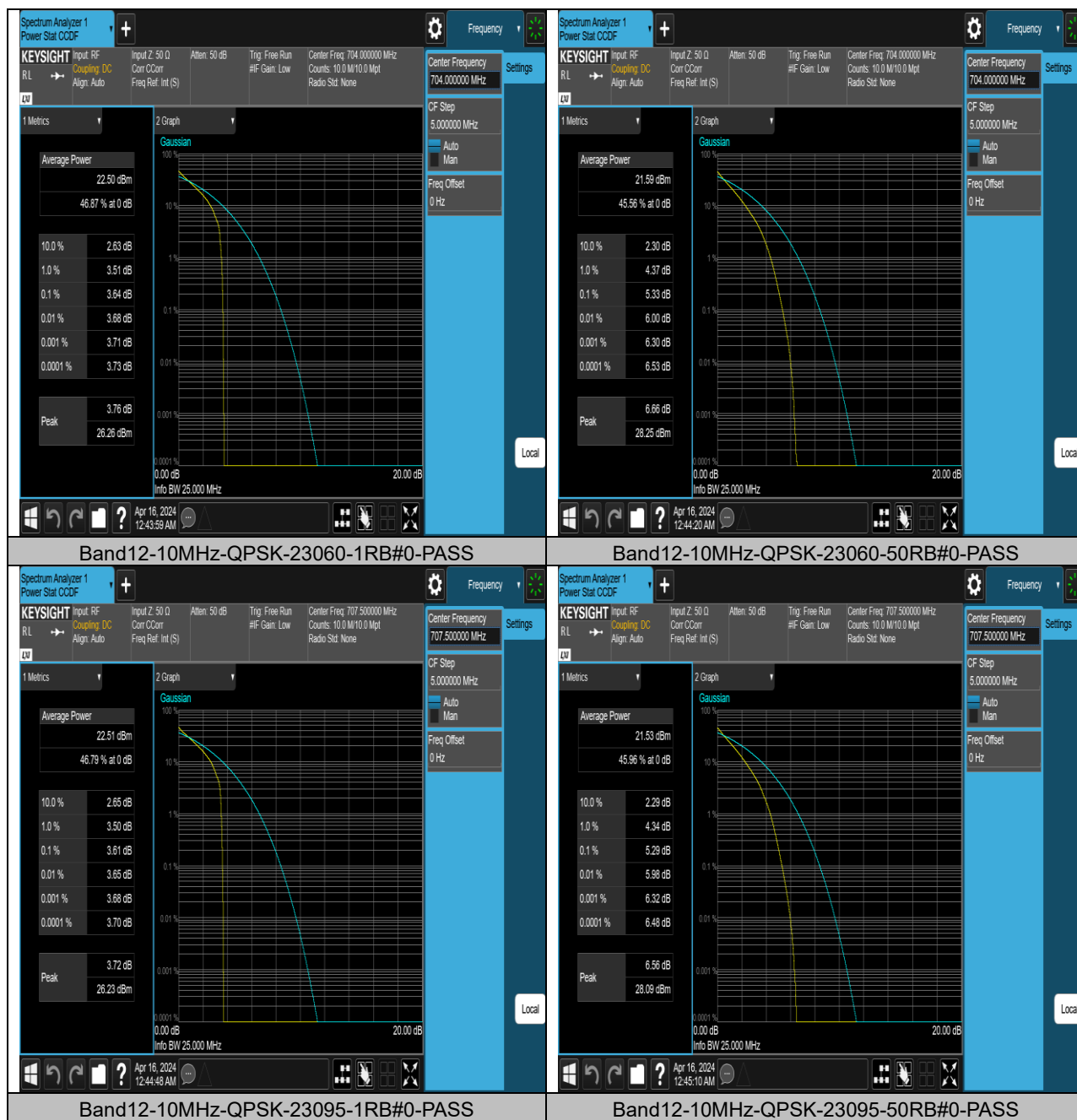
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Band7	10MH z	QPSK	21400	50RB #0	NV	30	215.9 2	0.08	--	2569. 67426	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	40	88.04	0.03	--	2569. 45323	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	50	-110.6 1	-0.04	--	2569. 75294	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	-30	-335.0 3	-0.13	--	2569. 47122	2500- 2570	PASS

LTE BAND12(INCLUDING B17)

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	3.64	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.33	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.61	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.29	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.63	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.24	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.04	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.62	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.01	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.65	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.03	13	PASS

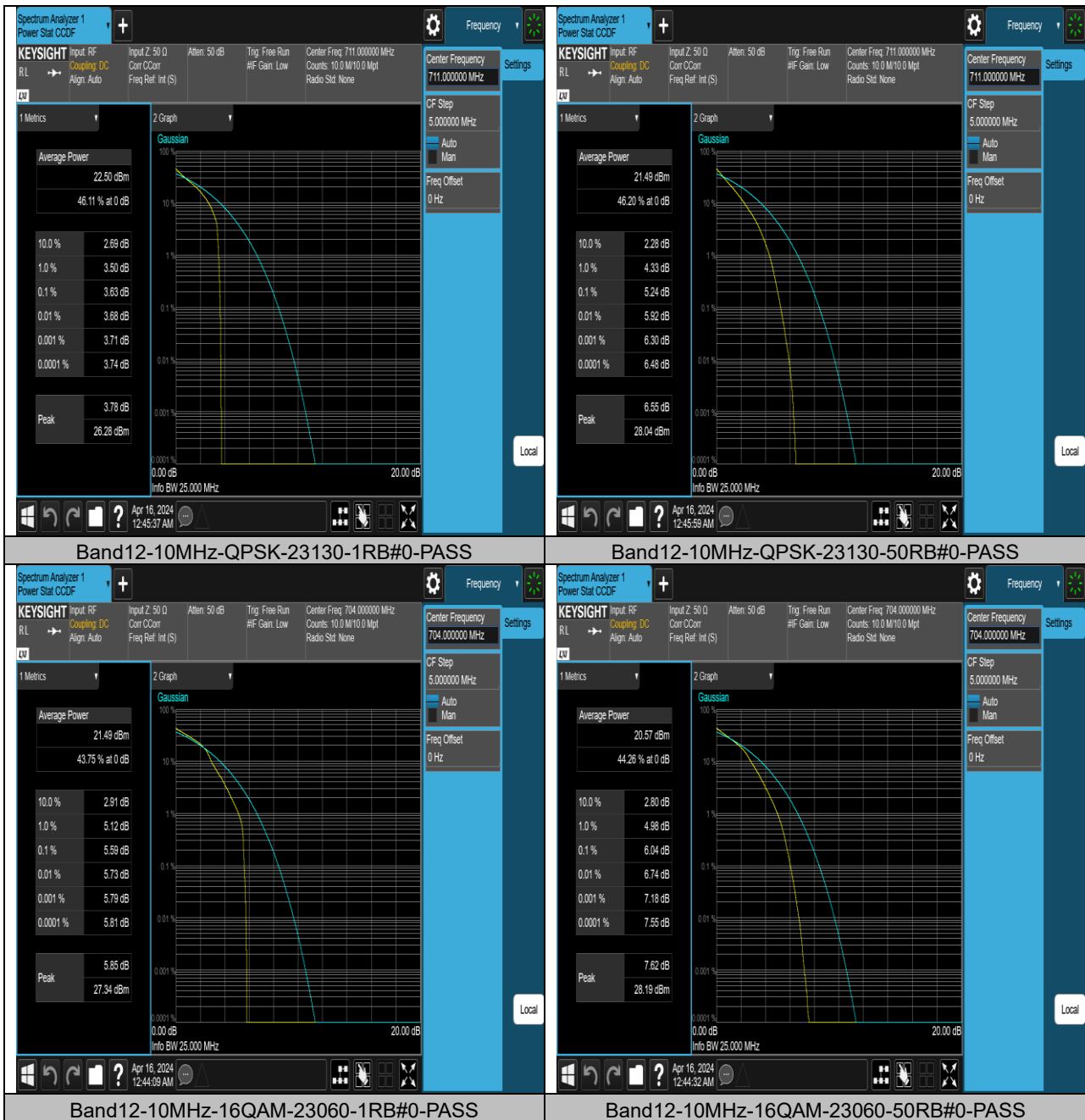
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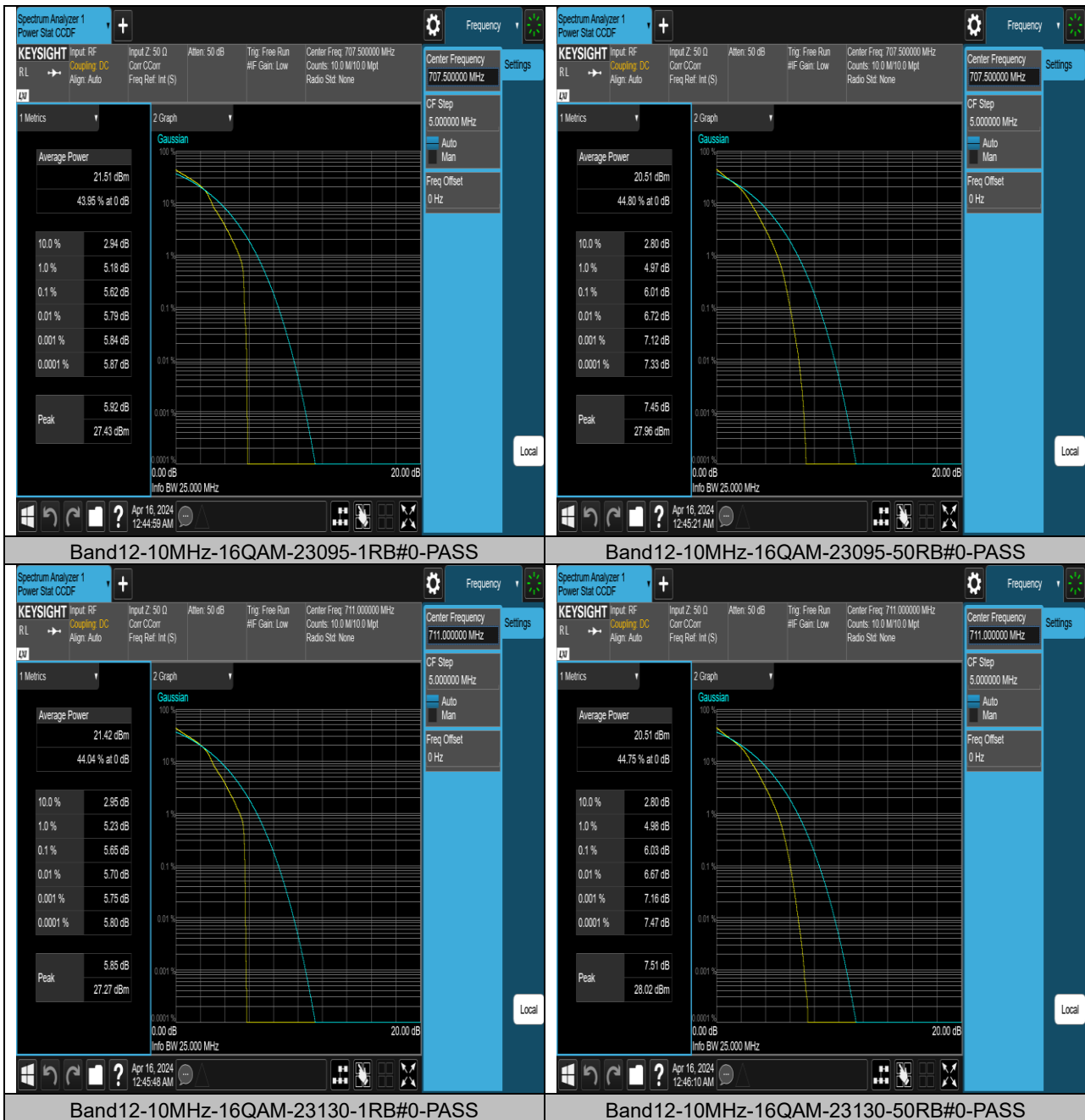
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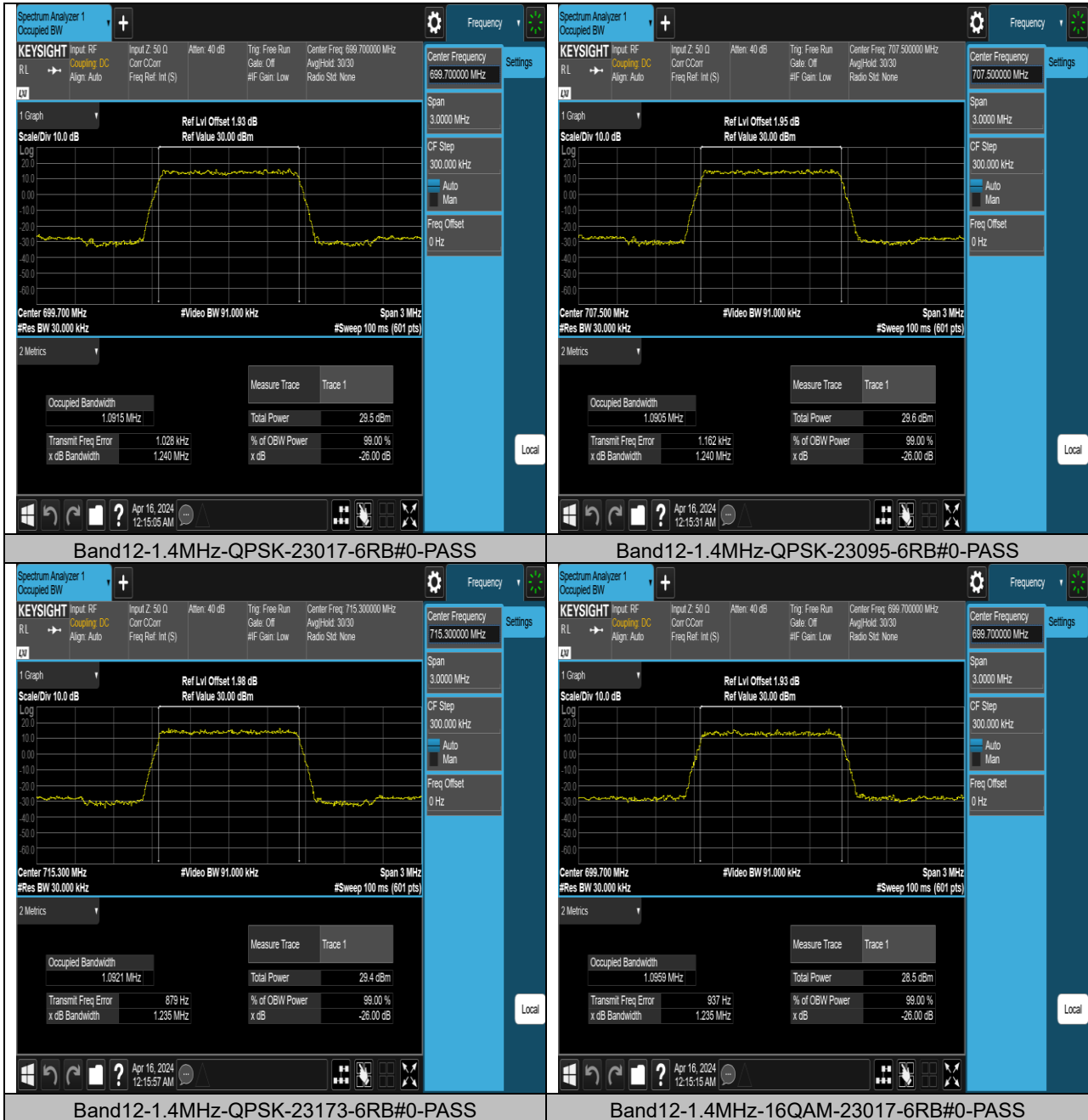
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26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0915	1.240	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0905	1.240	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0921	1.235	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0959	1.235	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0974	1.250	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0817	1.236	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7002	3.009	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7014	2.996	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6972	3.003	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6985	2.992	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7012	2.973	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6938	3.009	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5368	5.007	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5388	4.995	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4936	4.959	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5071	4.979	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5062	4.985	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4987	4.973	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9866	9.872	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9809	9.902	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9619	9.805	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9854	9.857	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9741	9.826	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9898	9.818	PASS

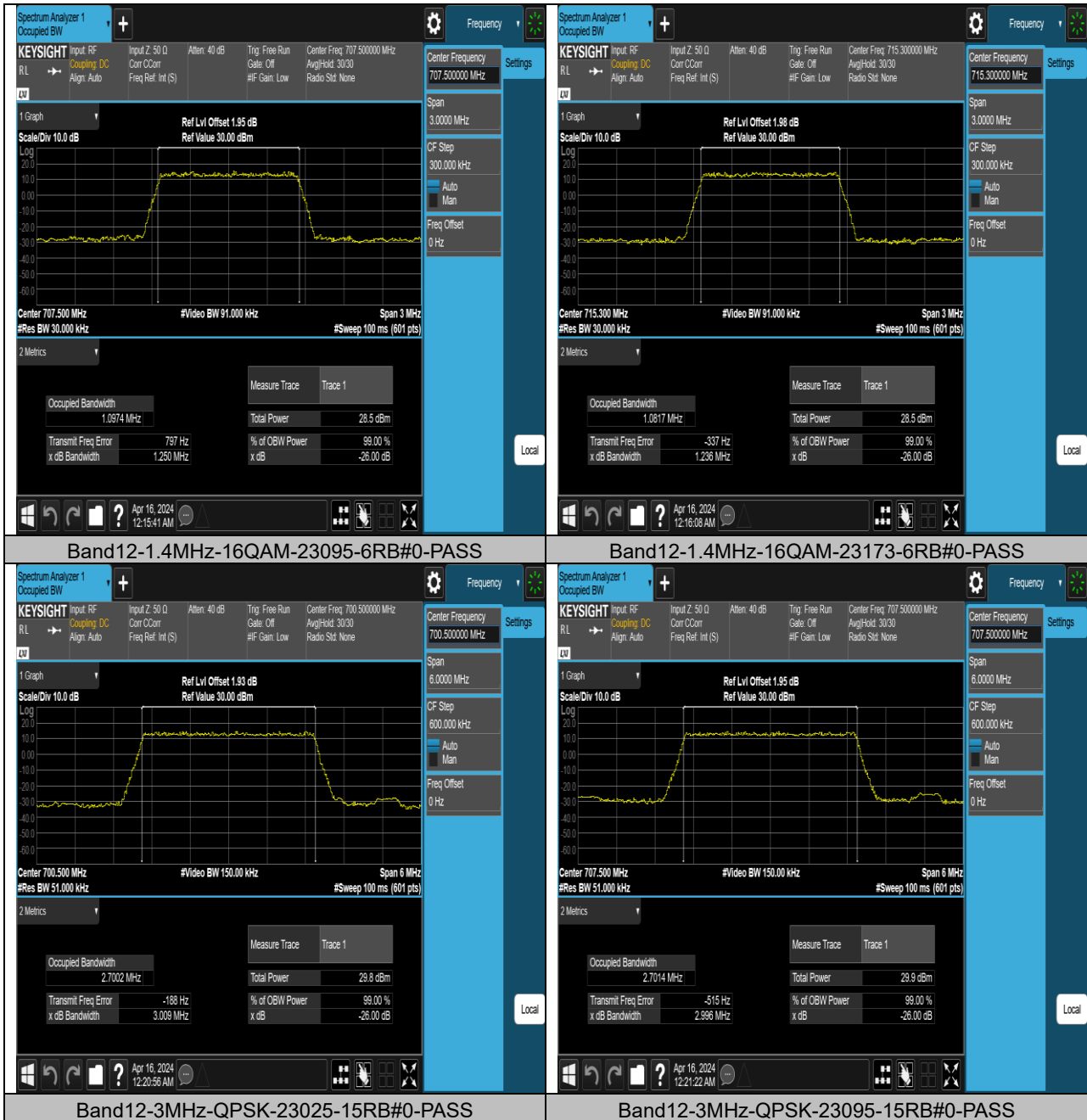
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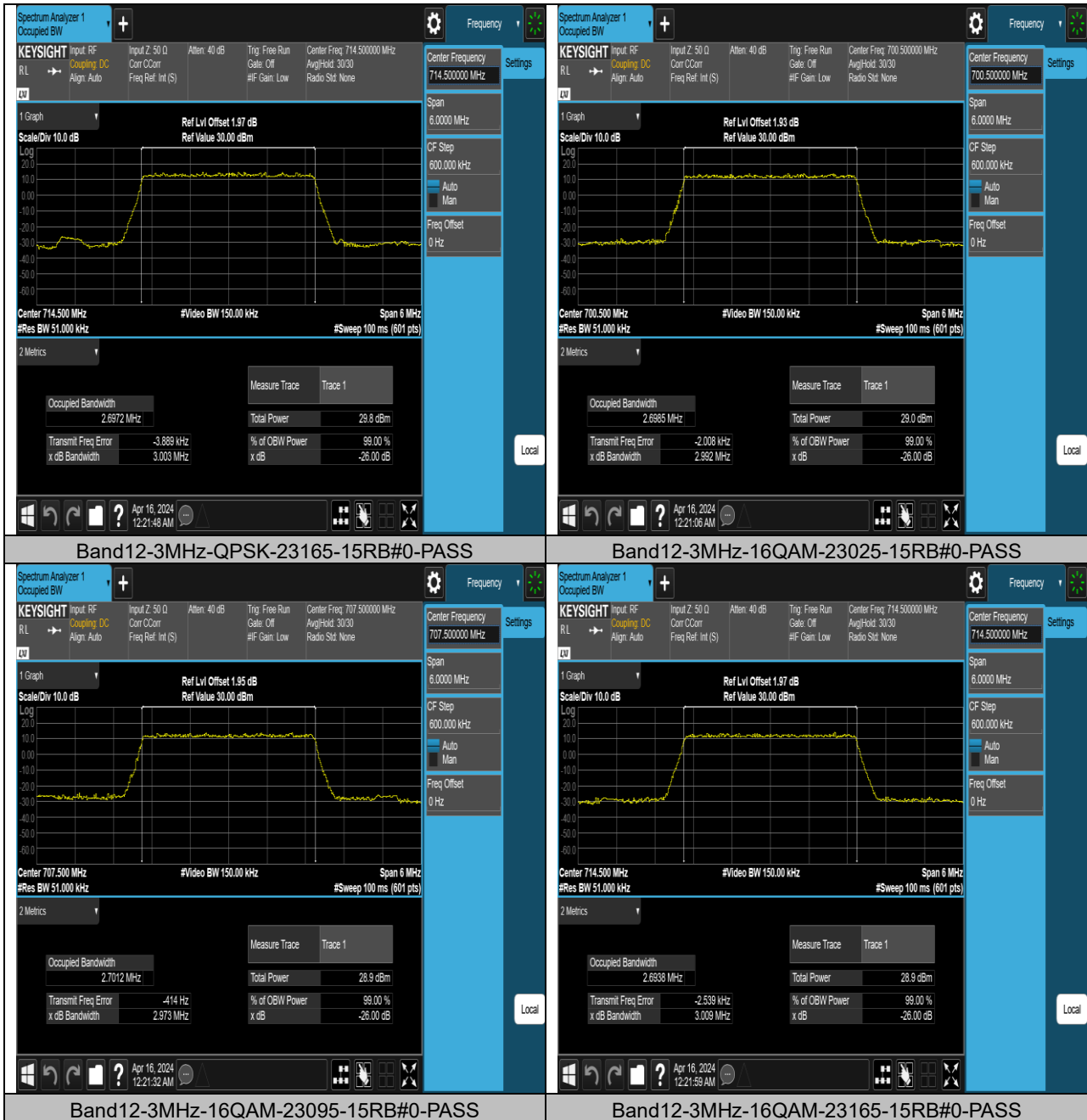
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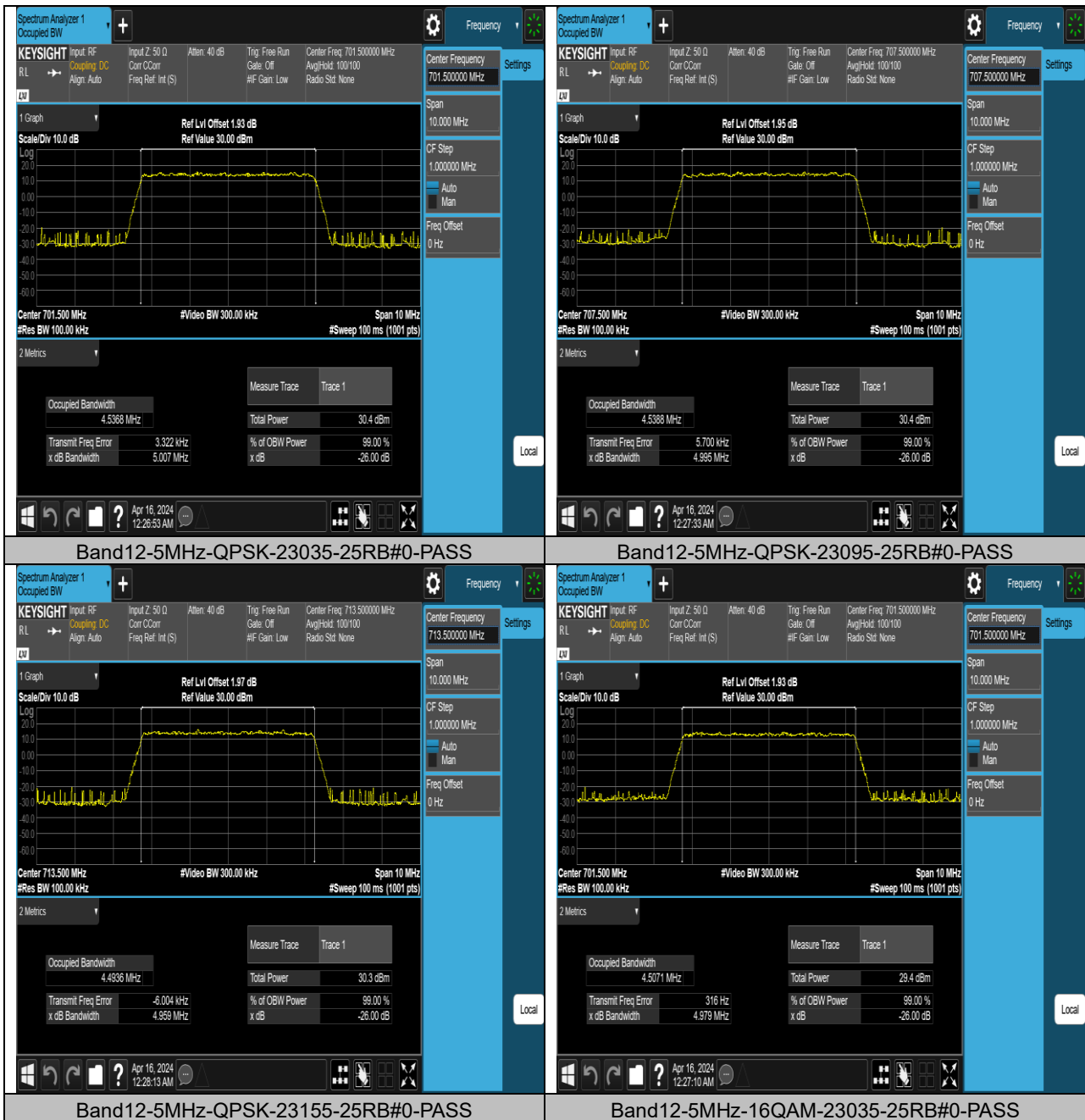
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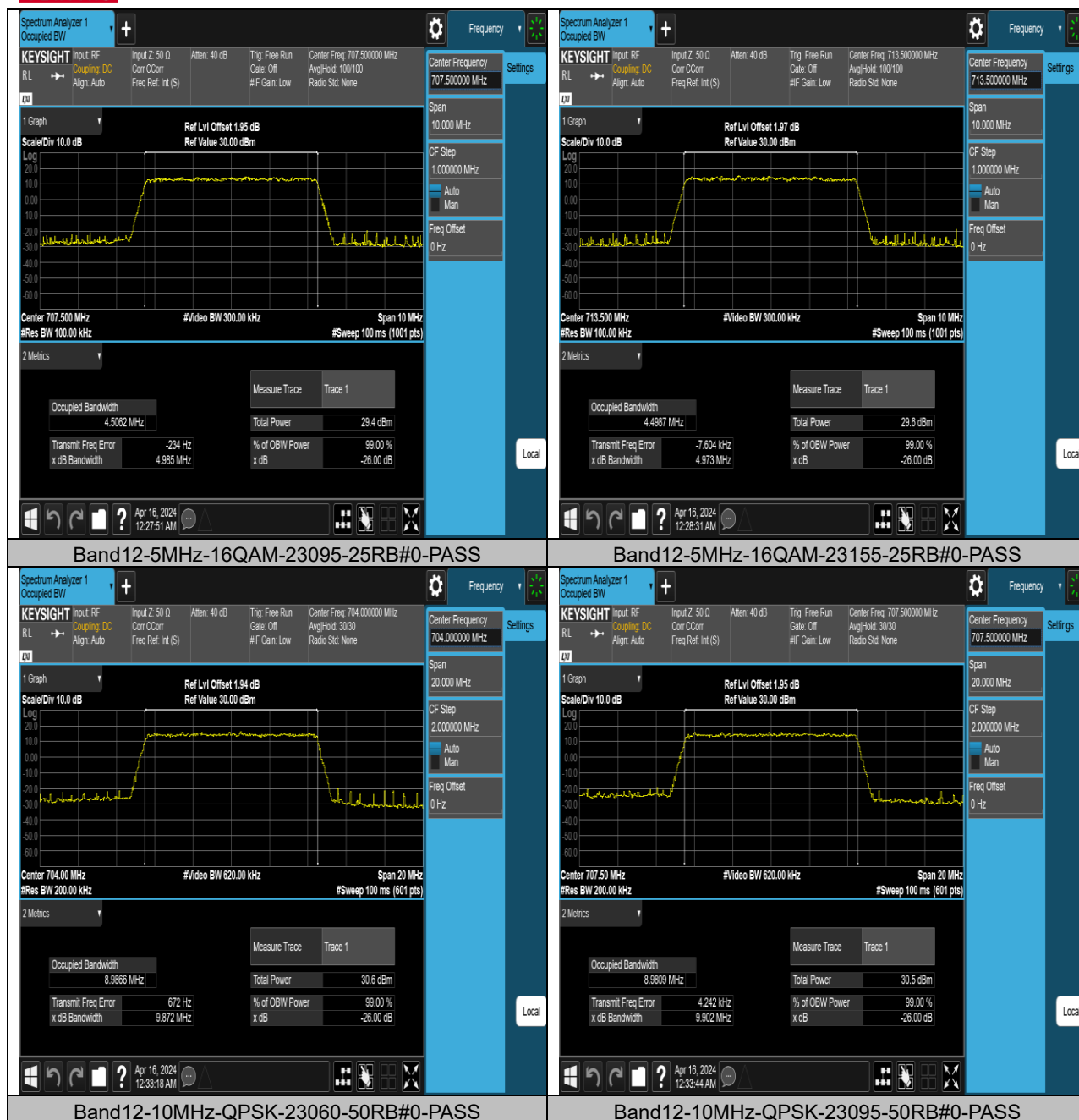
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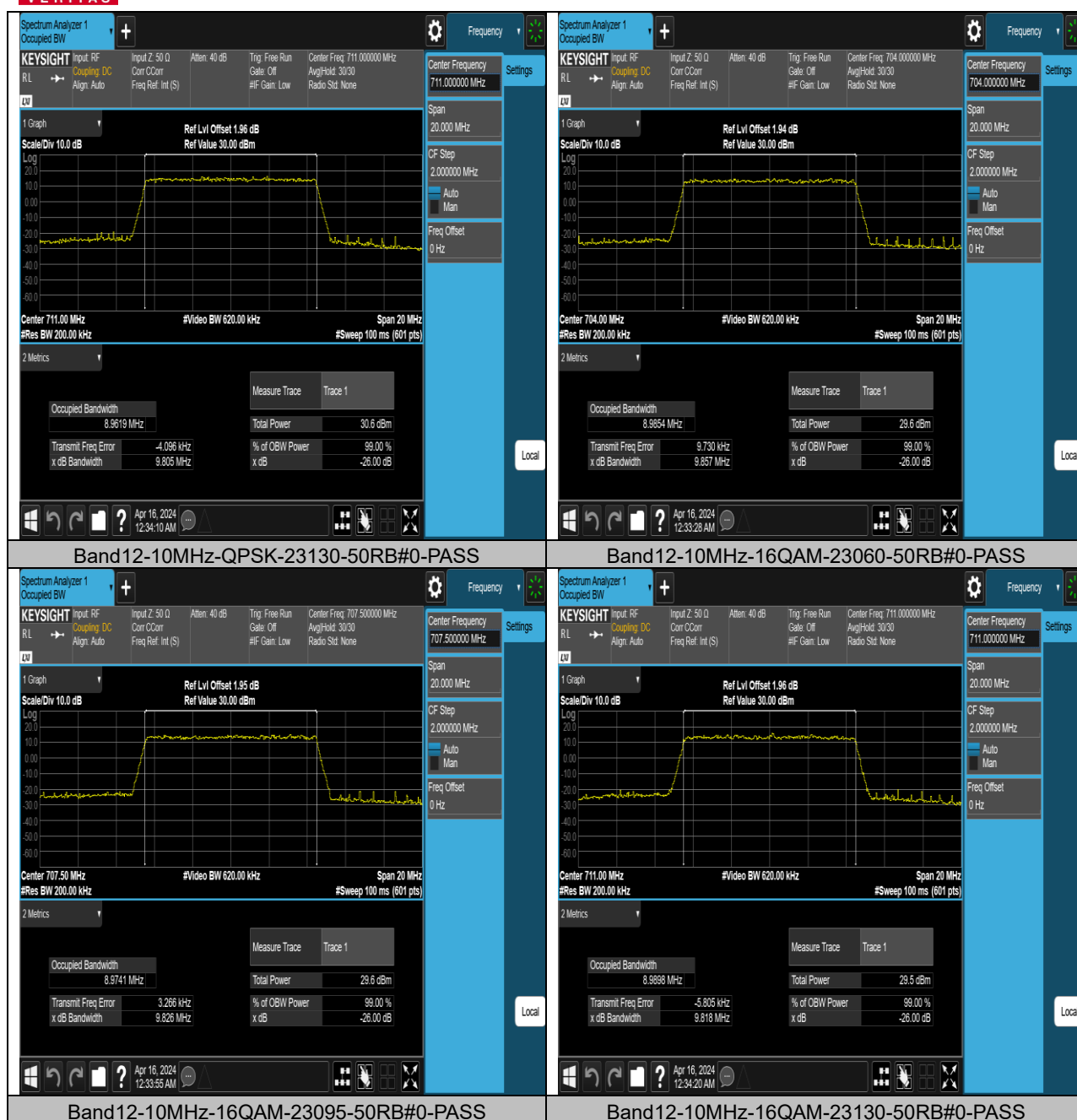
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