

APPENDIX H

LTE BAND 7

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.31	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.95	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.25	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.94	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.26	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.95	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.10	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.67	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.03	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.68	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	5.06	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.68	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.23	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.79	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.20	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.89	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.03	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.76	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.00	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.59	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.94	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.67	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.61	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.58	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.19	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.75	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.18	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.98	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	2.88	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.88	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	5.01	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.58	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.91	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.78	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.32	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.73	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.16	13	PASS

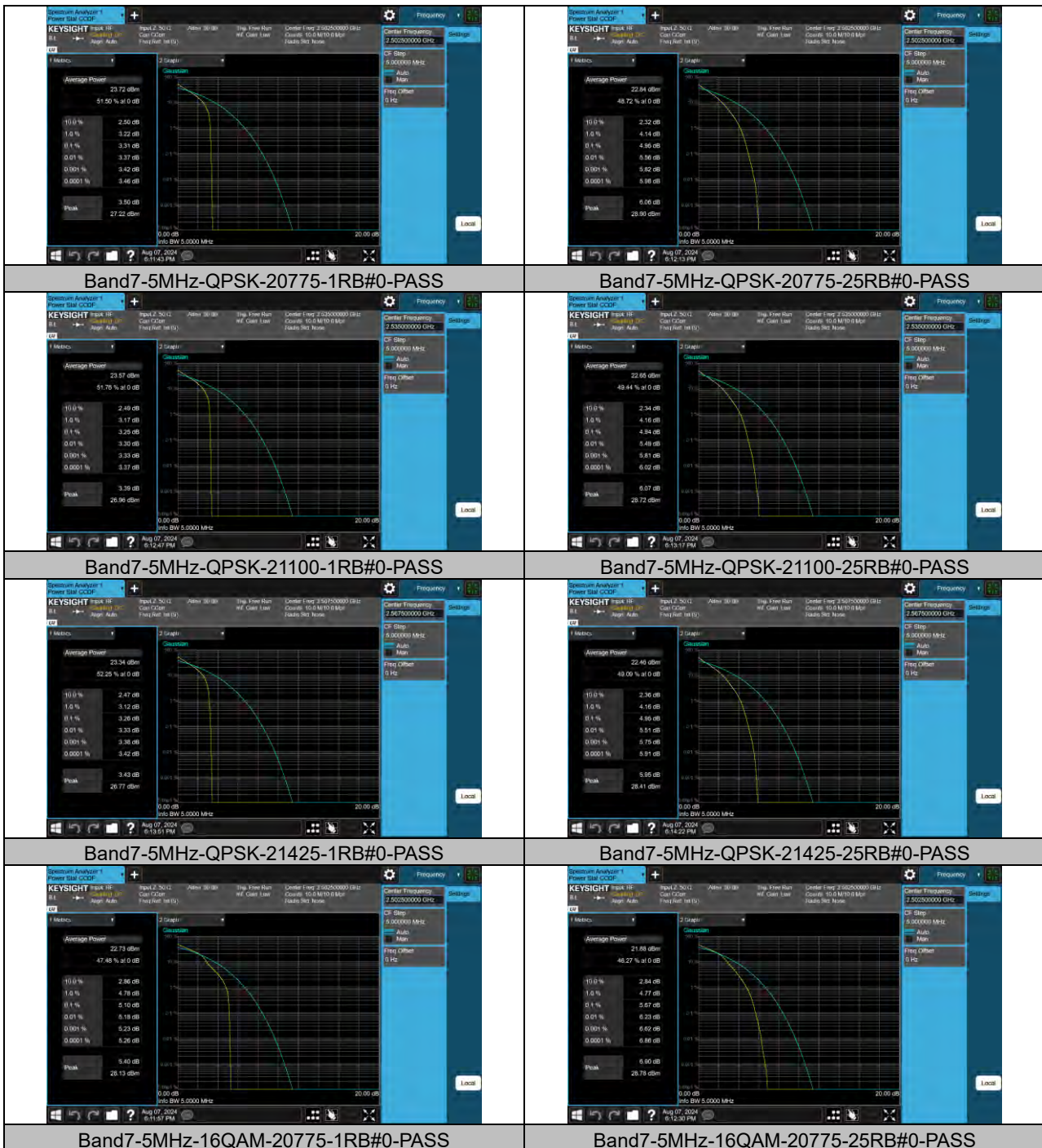


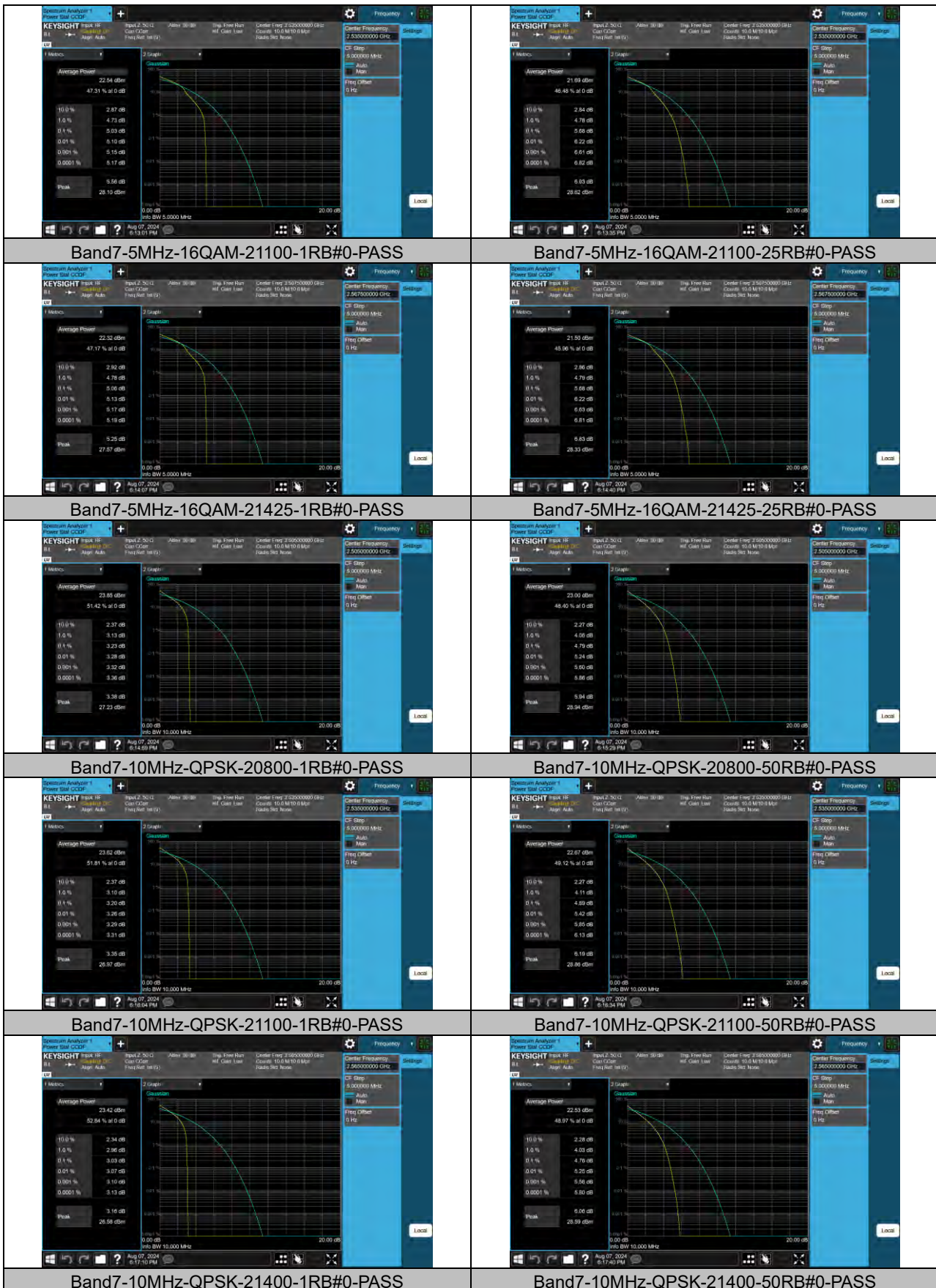
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VERITAS

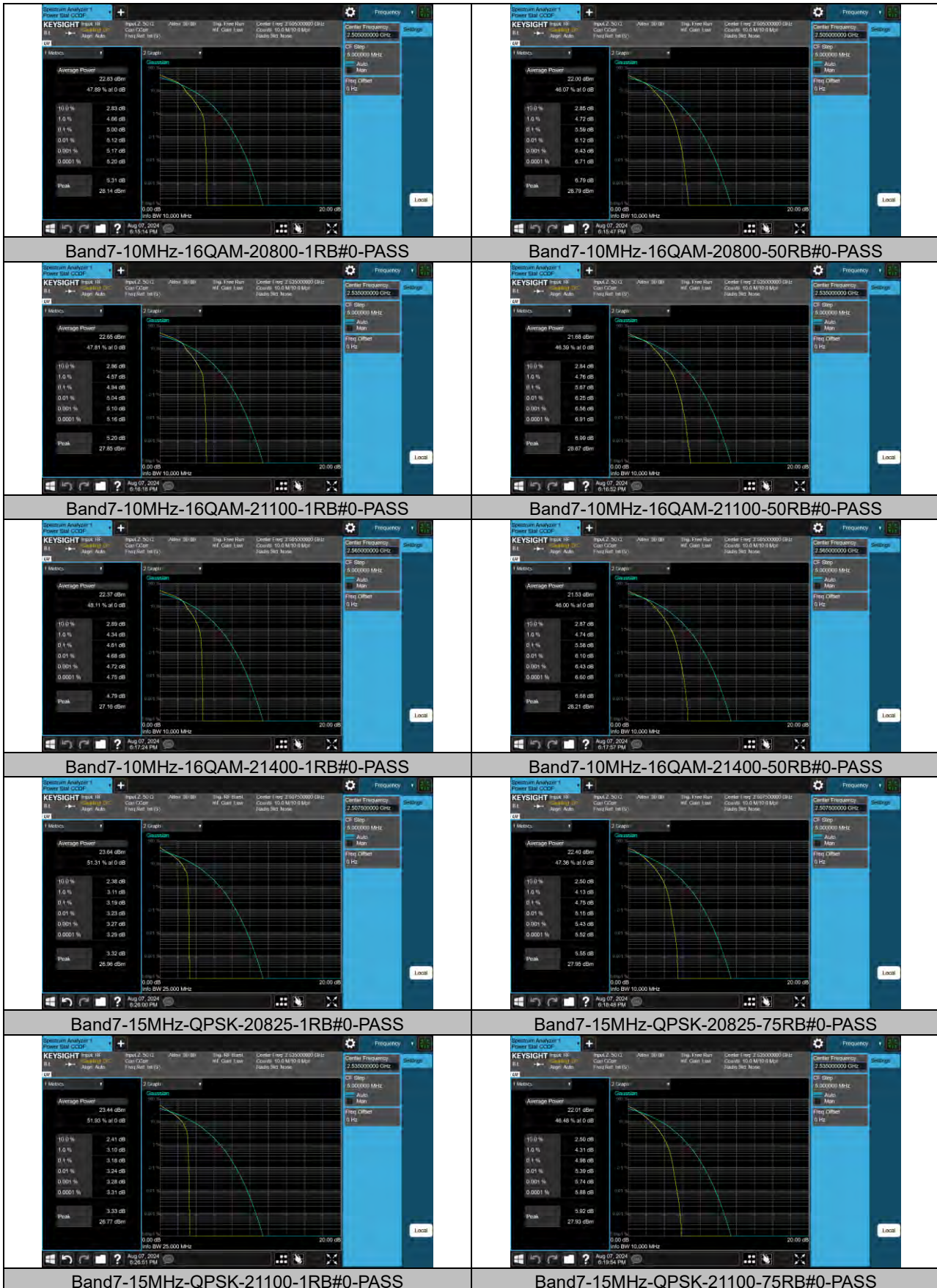
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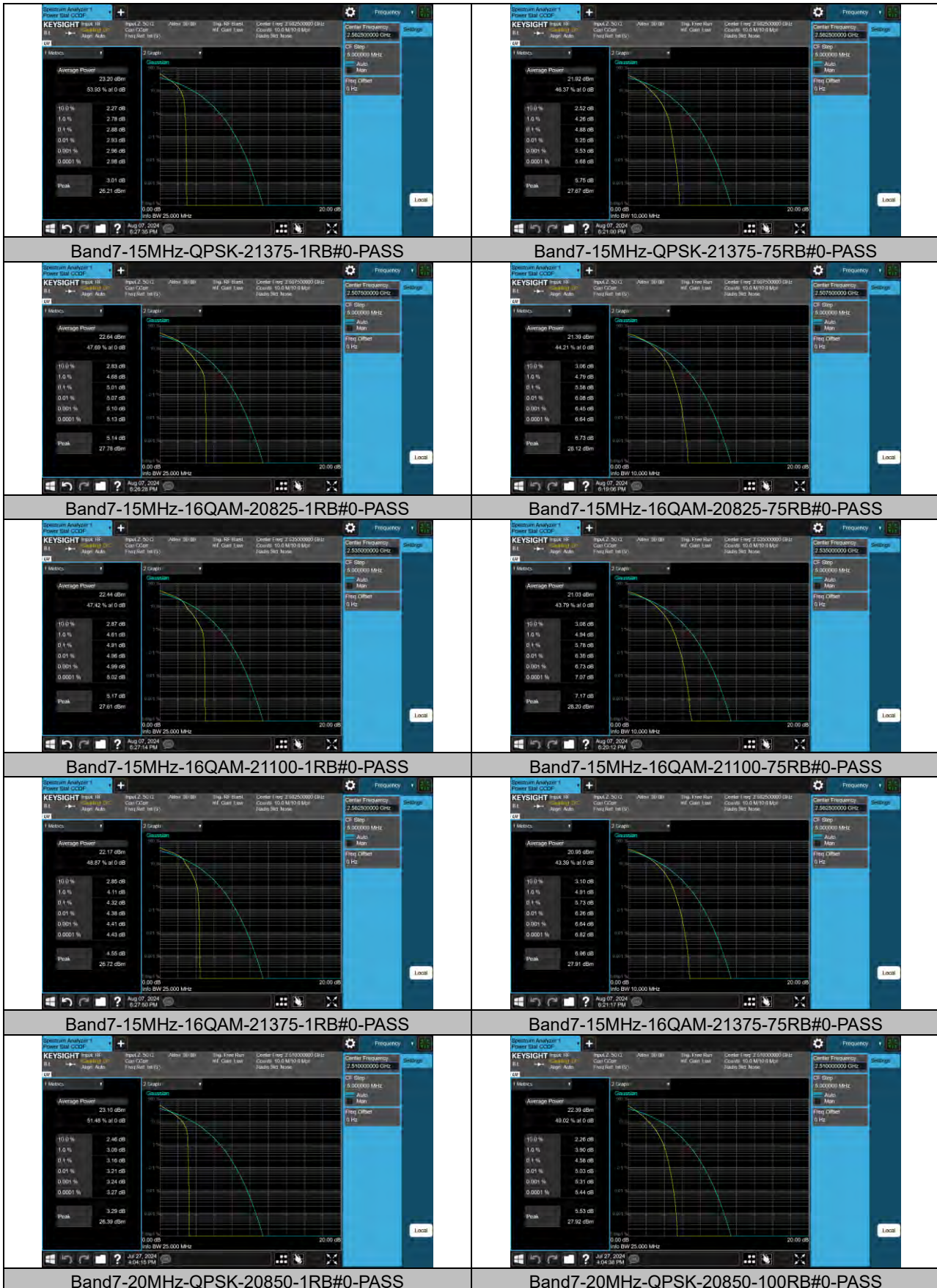
Band7	20MHz	QPSK	20850	100RB#0	4.58	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.16	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.92	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	2.57	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.44	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.87	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.40	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.75	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.65	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.40	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.24	13	PASS

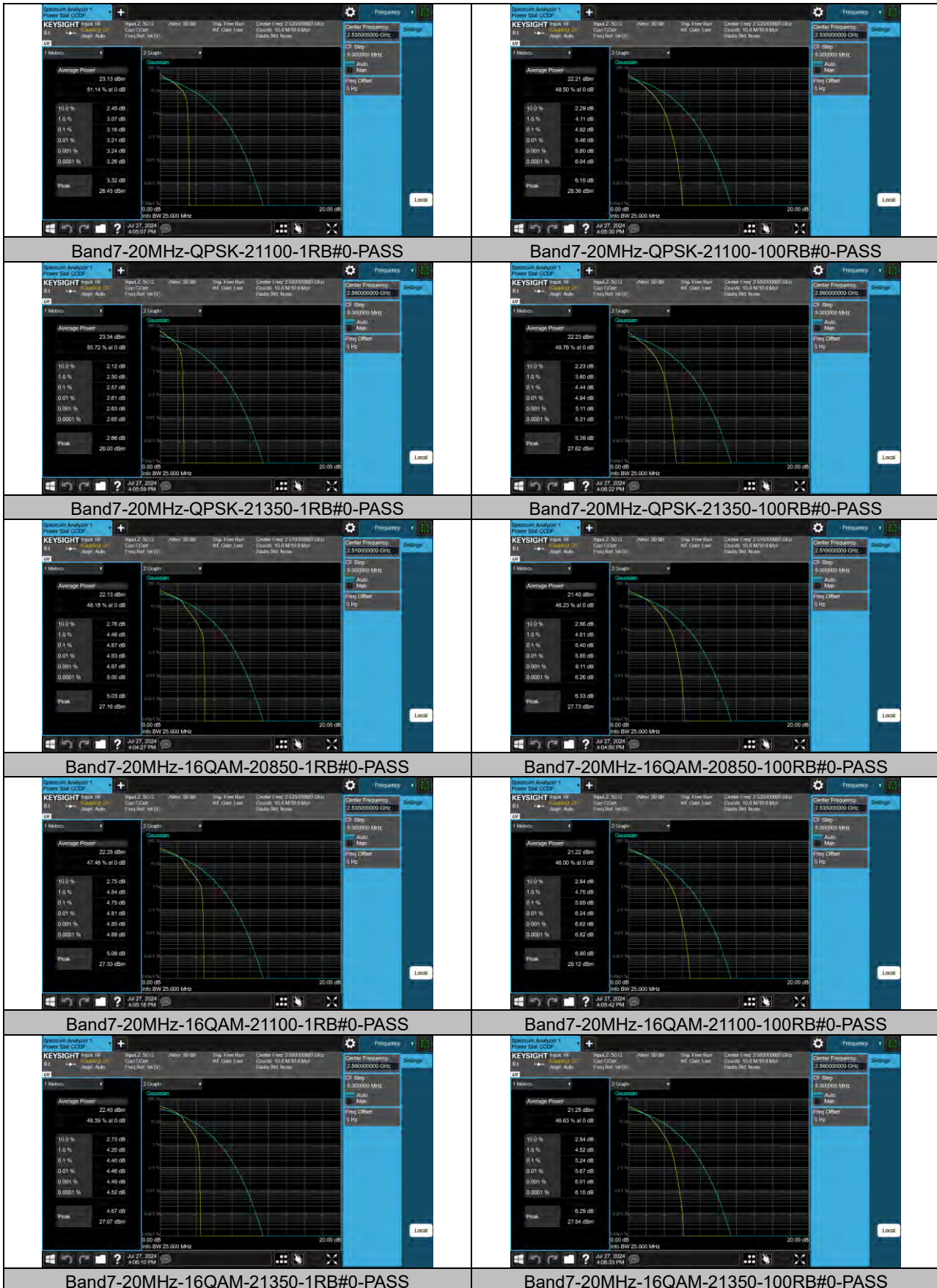
TEST GRAPHS







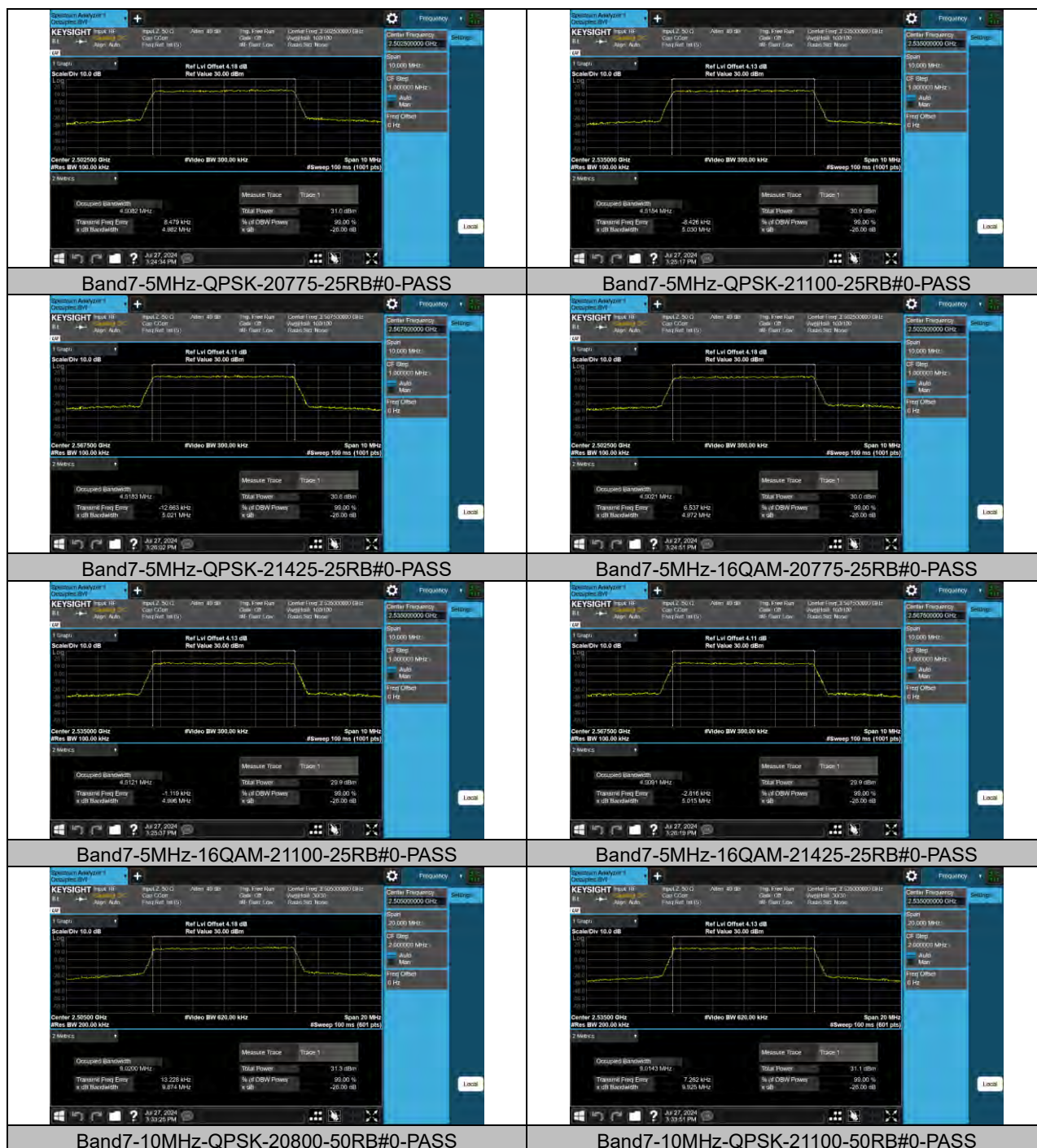


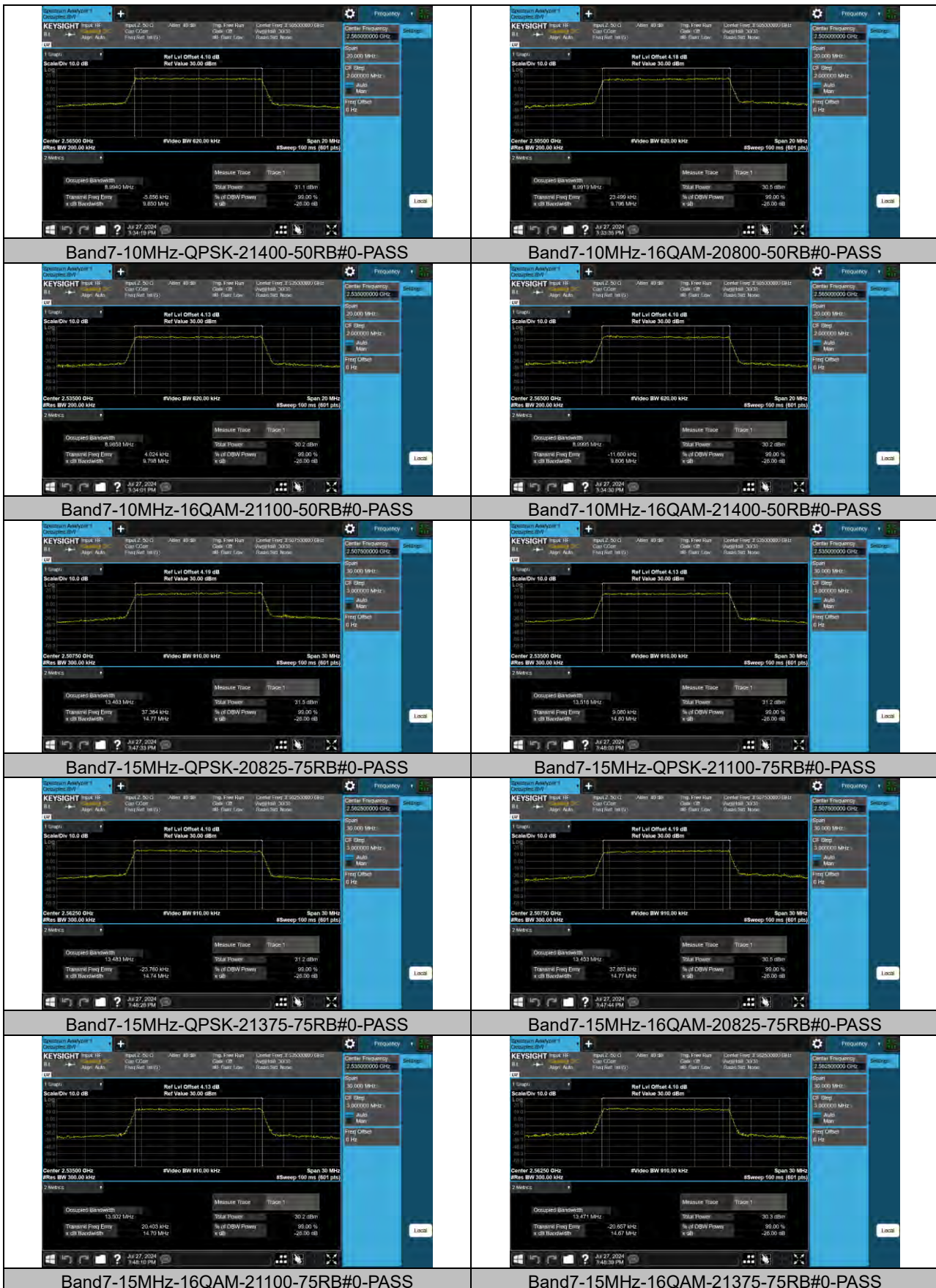


26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5082	4.982	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5184	5.030	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5183	5.021	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5021	4.972	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5121	4.996	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5091	5.015	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0200	9.874	PASS
Band7	10MHz	QPSK	21100	50RB#0	9.0143	9.925	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9940	9.850	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9919	9.796	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9858	9.798	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9995	9.806	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.463	14.77	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.516	14.80	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.483	14.74	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.453	14.77	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.502	14.70	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.471	14.67	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.950	19.52	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.006	19.67	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.975	19.55	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.921	19.48	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.977	19.59	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.949	19.53	PASS

TEST GRAPHS

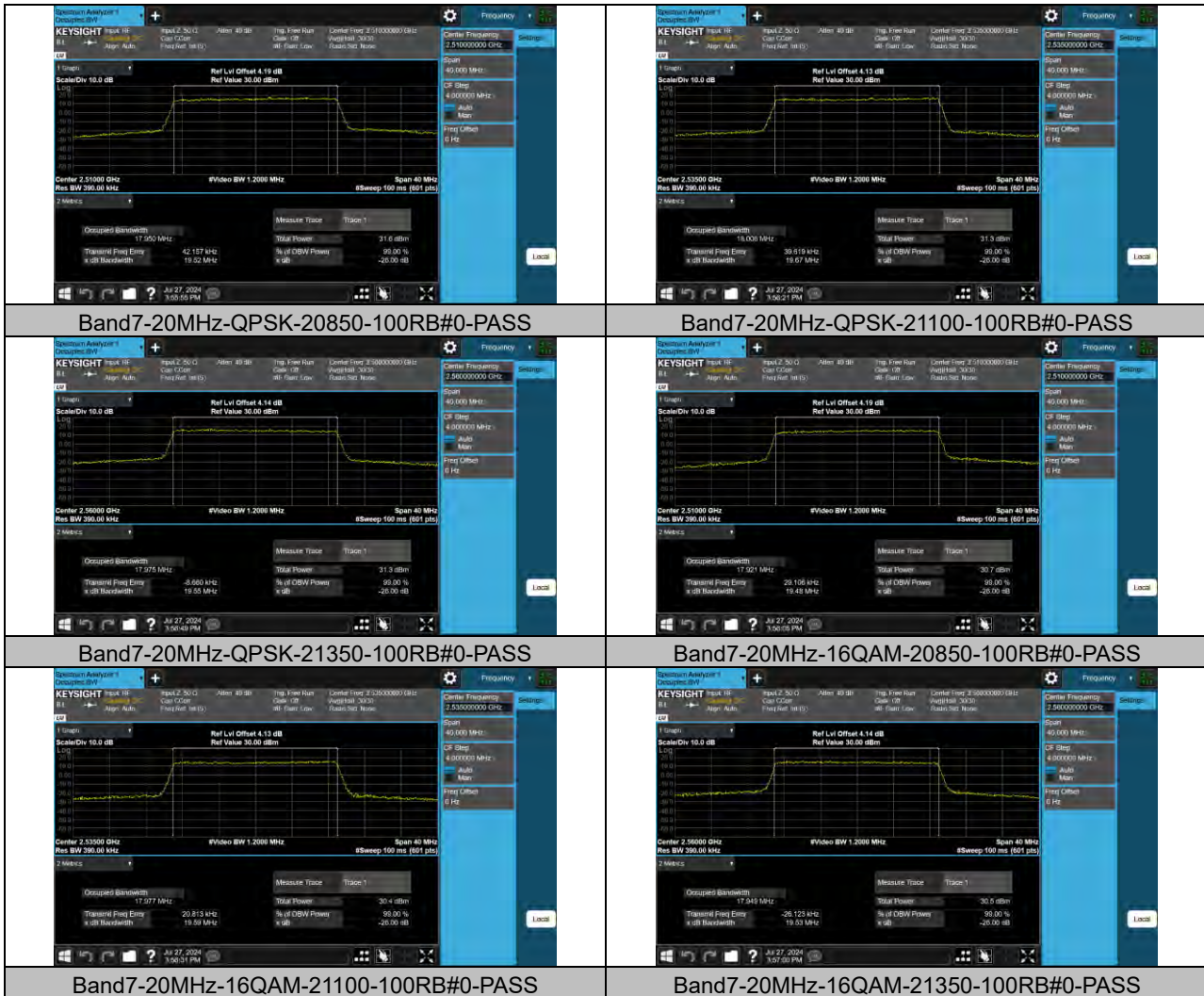






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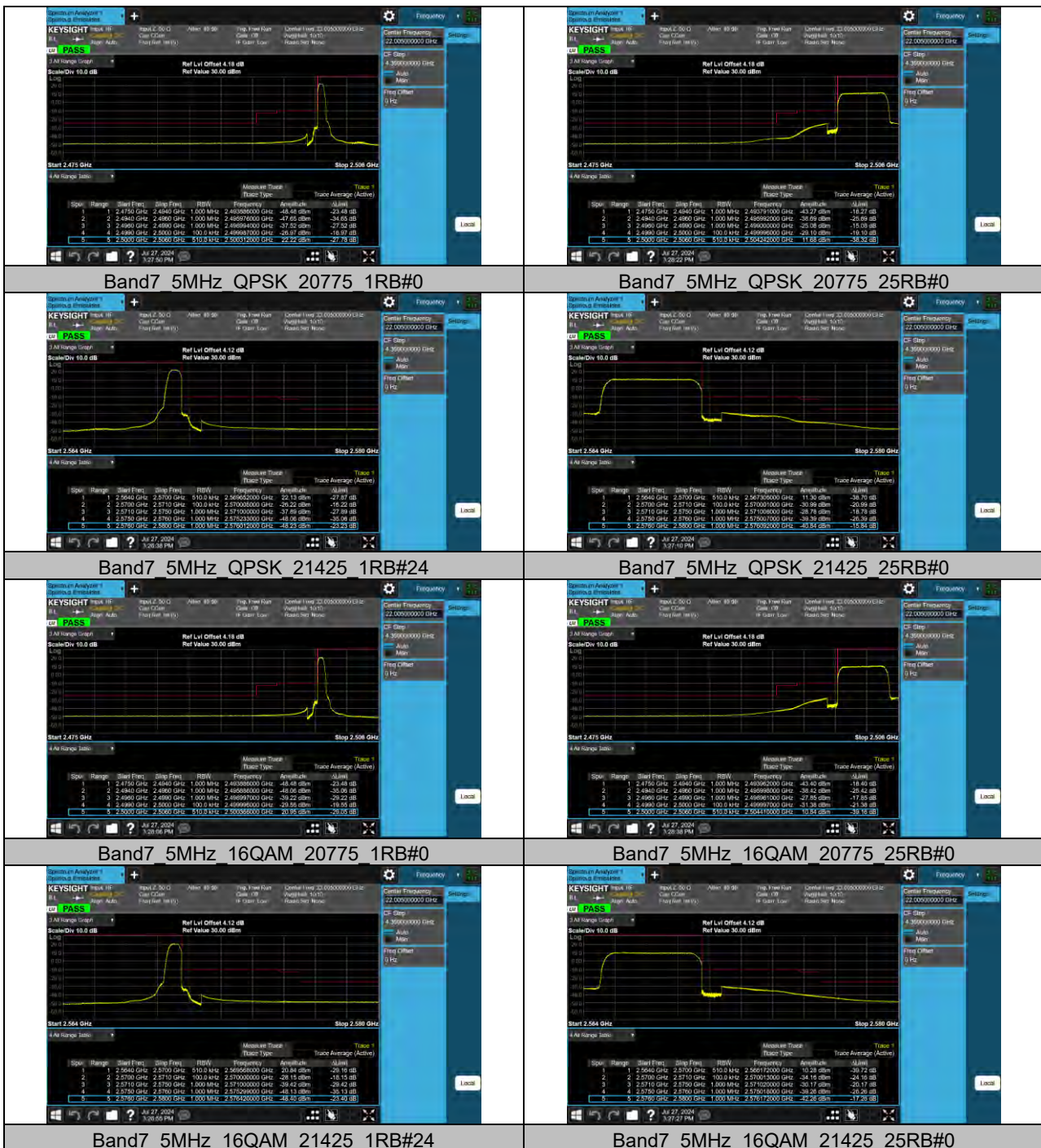
Reference No.: W7L-P24050018RF06



BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-26.97	PASS
Band7	5MHz	QPSK	20775	25RB#0	-25.08	PASS
Band7	5MHz	QPSK	21425	1RB#24	-26.22	PASS
Band7	5MHz	QPSK	21425	25RB#0	-40.84	PASS
Band7	5MHz	16QAM	20775	1RB#0	-29.55	PASS
Band7	5MHz	16QAM	20775	25RB#0	-27.85	PASS
Band7	5MHz	16QAM	21425	1RB#24	-28.15	PASS
Band7	5MHz	16QAM	21425	25RB#0	-42.26	PASS
Band7	10MHz	QPSK	20800	1RB#0	-26.90	PASS
Band7	10MHz	QPSK	20800	50RB#0	-25.18	PASS
Band7	10MHz	QPSK	21400	1RB#49	-28.10	PASS
Band7	10MHz	QPSK	21400	50RB#0	-41.94	PASS
Band7	10MHz	16QAM	20800	1RB#0	-29.14	PASS
Band7	10MHz	16QAM	20800	50RB#0	-28.29	PASS
Band7	10MHz	16QAM	21400	1RB#49	-30.65	PASS
Band7	10MHz	16QAM	21400	50RB#0	-41.69	PASS
Band7	15MHz	QPSK	20825	1RB#0	-33.40	PASS
Band7	15MHz	QPSK	20825	75RB#0	-36.13	PASS
Band7	15MHz	QPSK	21375	1RB#74	-49.00	PASS
Band7	15MHz	QPSK	21375	75RB#0	-28.28	PASS
Band7	15MHz	16QAM	20825	1RB#0	-48.77	PASS
Band7	15MHz	16QAM	20825	75RB#0	-37.91	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.98	PASS
Band7	15MHz	16QAM	21375	75RB#0	-44.78	PASS
Band7	20MHz	QPSK	20850	1RB#0	-48.36	PASS
Band7	20MHz	QPSK	20850	100RB#0	-35.57	PASS
Band7	20MHz	QPSK	21350	1RB#99	-49.04	PASS
Band7	20MHz	QPSK	21350	100RB#0	-33.65	PASS
Band7	20MHz	16QAM	20850	1RB#0	-48.75	PASS
Band7	20MHz	16QAM	20850	100RB#0	-36.90	PASS
Band7	20MHz	16QAM	21350	1RB#99	-48.87	PASS
Band7	20MHz	16QAM	21350	100RB#0	-36.27	PASS

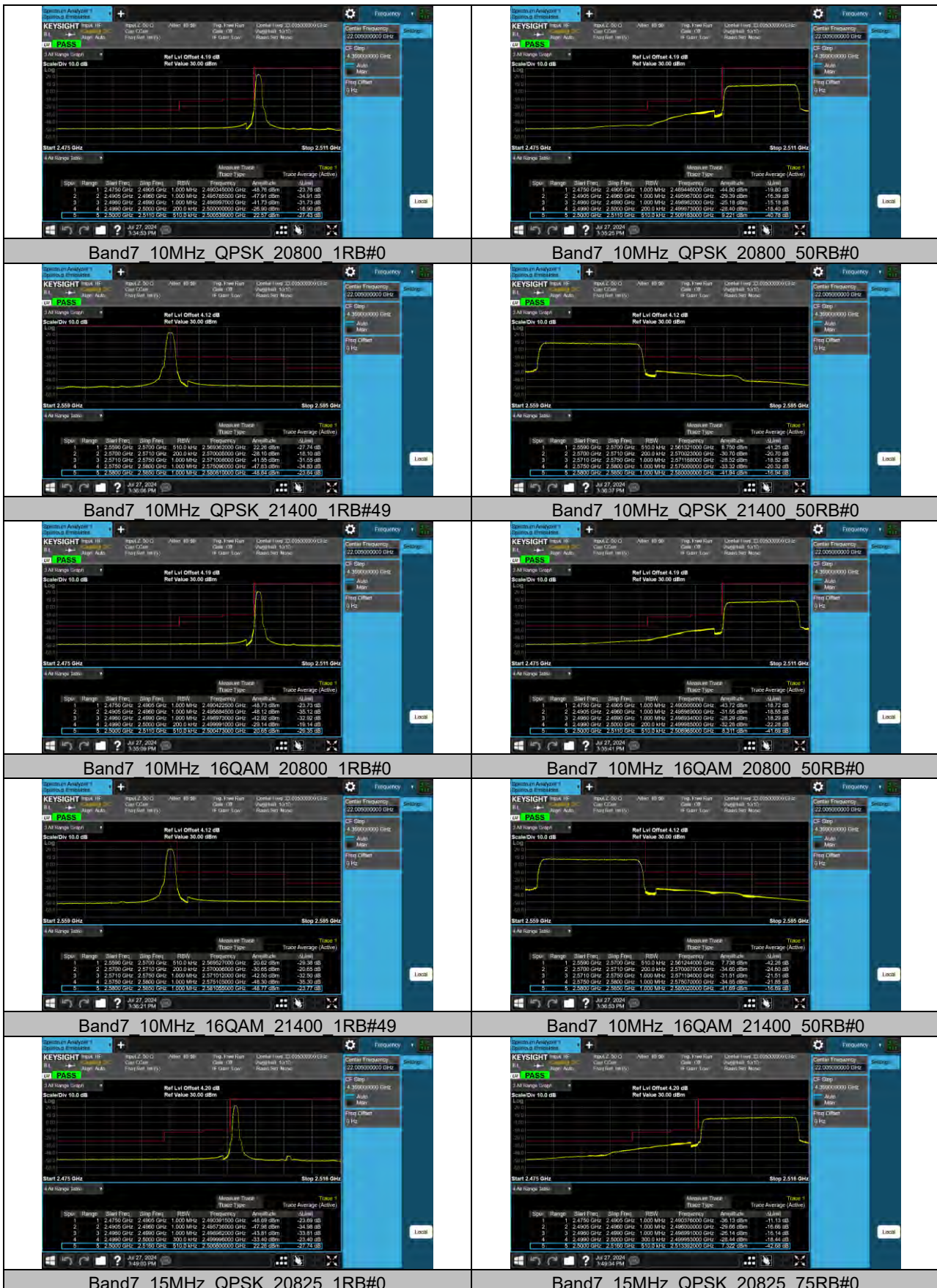
TEST GRAPHS





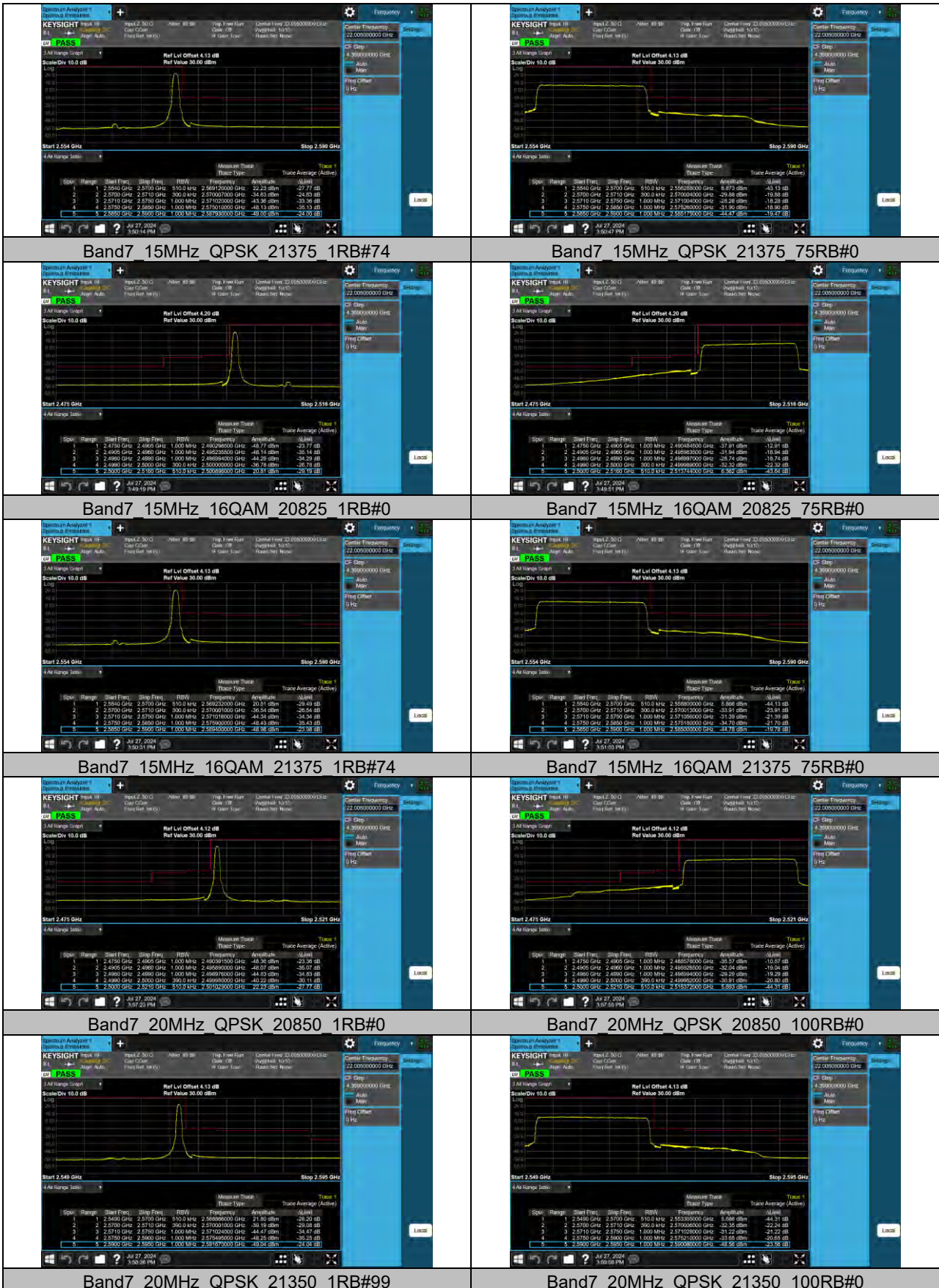
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Reference No.: W7L-P24050018RF06





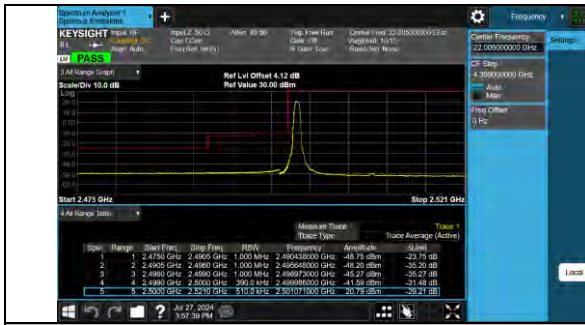
Reference No.: W7L-P24050018RF06





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Reference No.: W7L-P24050018RF06



Band7 20MHz 16QAM 20850 1RB#0



Band7 20MHz 16QAM 20850 100RB#0



Band7 20MHz 16QAM 21350 1RB#99



Band7 20MHz 16QAM 21350 100RB#0

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-58.25	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~10000	-48.35	PASS
Band7	5MHz	QPSK	20775	1RB#0	10000~20000	-56.00	PASS
Band7	5MHz	QPSK	20775	1RB#0	20000~27000	-53.81	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-58.24	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~10000	-48.33	PASS
Band7	5MHz	QPSK	21100	1RB#0	10000~20000	-55.90	PASS
Band7	5MHz	QPSK	21100	1RB#0	20000~27000	-54.01	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-58.33	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~10000	-48.34	PASS
Band7	5MHz	QPSK	21425	1RB#0	10000~20000	-55.92	PASS
Band7	5MHz	QPSK	21425	1RB#0	20000~27000	-53.92	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~1000	-58.18	PASS
Band7	10MHz	QPSK	20800	1RB#0	1000~10000	-48.29	PASS
Band7	10MHz	QPSK	20800	1RB#0	10000~20000	-55.95	PASS
Band7	10MHz	QPSK	20800	1RB#0	20000~27000	-53.84	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~1000	-58.31	PASS
Band7	10MHz	QPSK	21100	1RB#0	1000~10000	-48.40	PASS
Band7	10MHz	QPSK	21100	1RB#0	10000~20000	-55.98	PASS
Band7	10MHz	QPSK	21100	1RB#0	20000~27000	-53.89	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~1000	-58.28	PASS
Band7	10MHz	QPSK	21400	1RB#0	1000~10000	-48.33	PASS
Band7	10MHz	QPSK	21400	1RB#0	10000~20000	-55.92	PASS
Band7	10MHz	QPSK	21400	1RB#0	20000~27000	-53.88	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~1000	-58.29	PASS
Band7	15MHz	QPSK	20825	1RB#0	1000~10000	-48.31	PASS
Band7	15MHz	QPSK	20825	1RB#0	10000~20000	-56.03	PASS
Band7	15MHz	QPSK	20825	1RB#0	20000~27000	-53.92	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~1000	-58.27	PASS
Band7	15MHz	QPSK	21100	1RB#0	1000~10000	-48.32	PASS
Band7	15MHz	QPSK	21100	1RB#0	10000~20000	-55.92	PASS
Band7	15MHz	QPSK	21100	1RB#0	20000~27000	-53.87	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~1000	-58.30	PASS
Band7	15MHz	QPSK	21375	1RB#0	1000~10000	-48.30	PASS
Band7	15MHz	QPSK	21375	1RB#0	10000~20000	-55.99	PASS
Band7	15MHz	QPSK	21375	1RB#0	20000~27000	-53.92	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-58.22	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~10000	-48.24	PASS
Band7	20MHz	QPSK	20850	1RB#0	10000~20000	-55.92	PASS
Band7	20MHz	QPSK	20850	1RB#0	20000~27000	-53.87	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-58.32	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~10000	-48.19	PASS
Band7	20MHz	QPSK	21100	1RB#0	10000~20000	-56.03	PASS

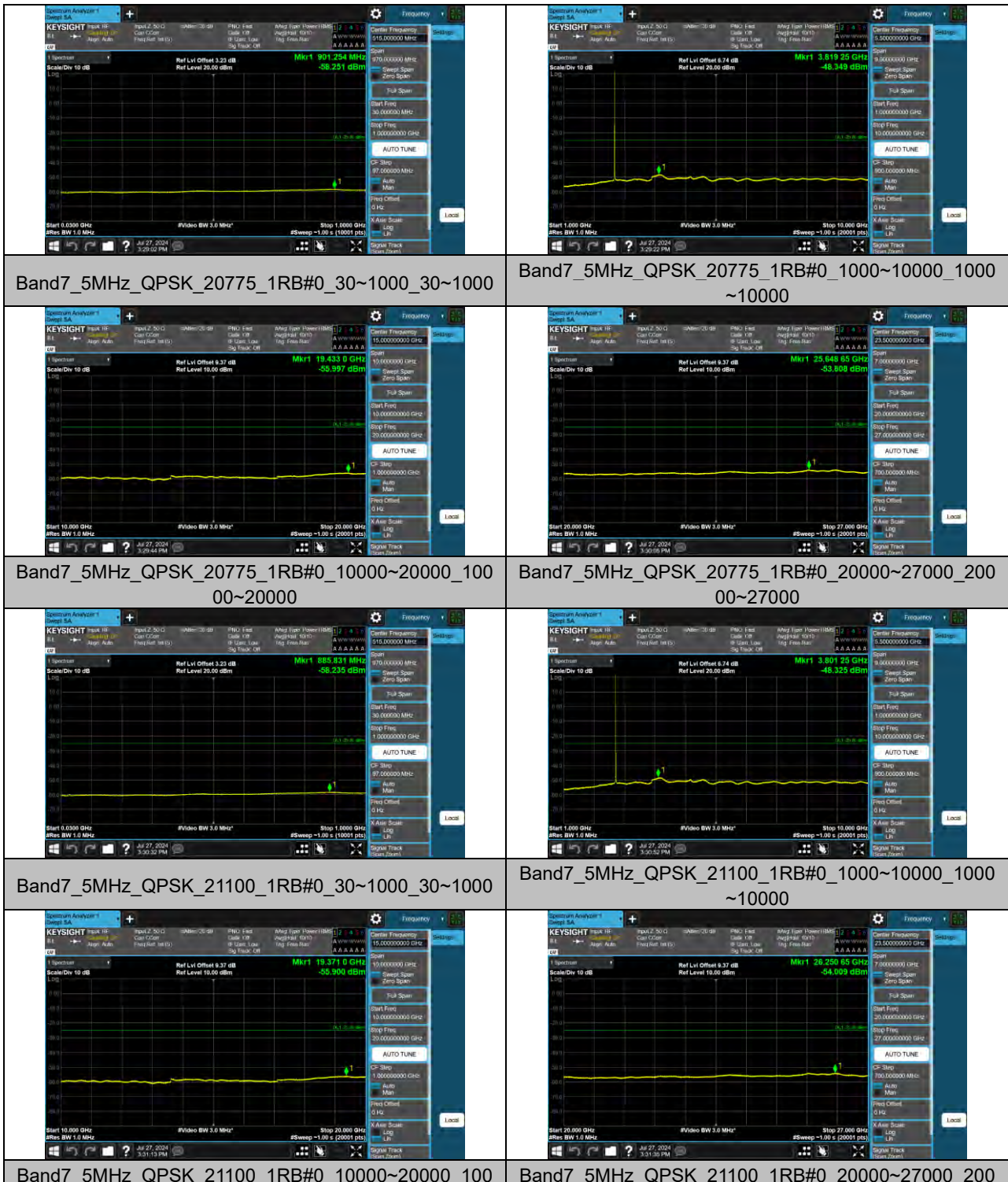


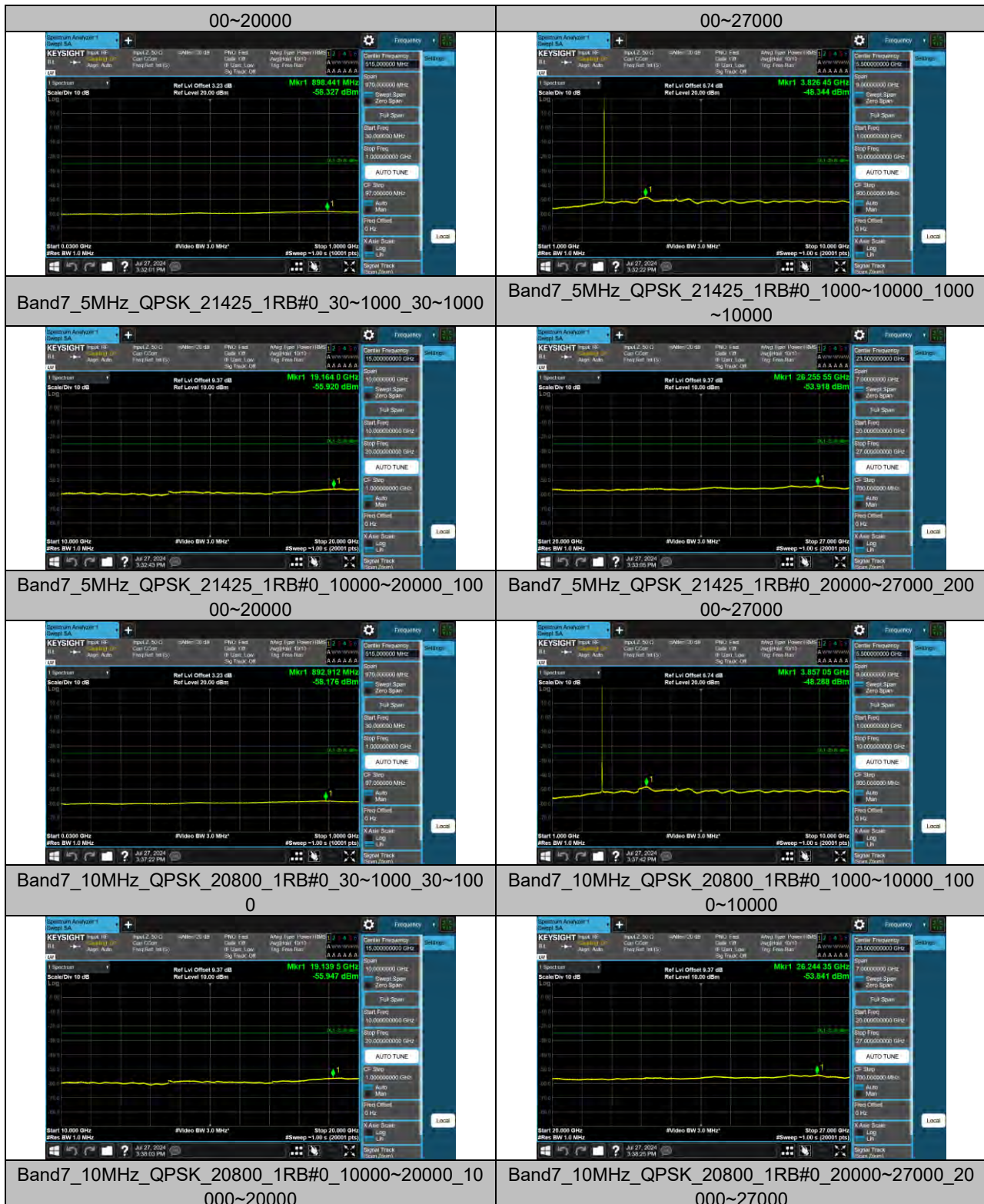
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VERITAS**

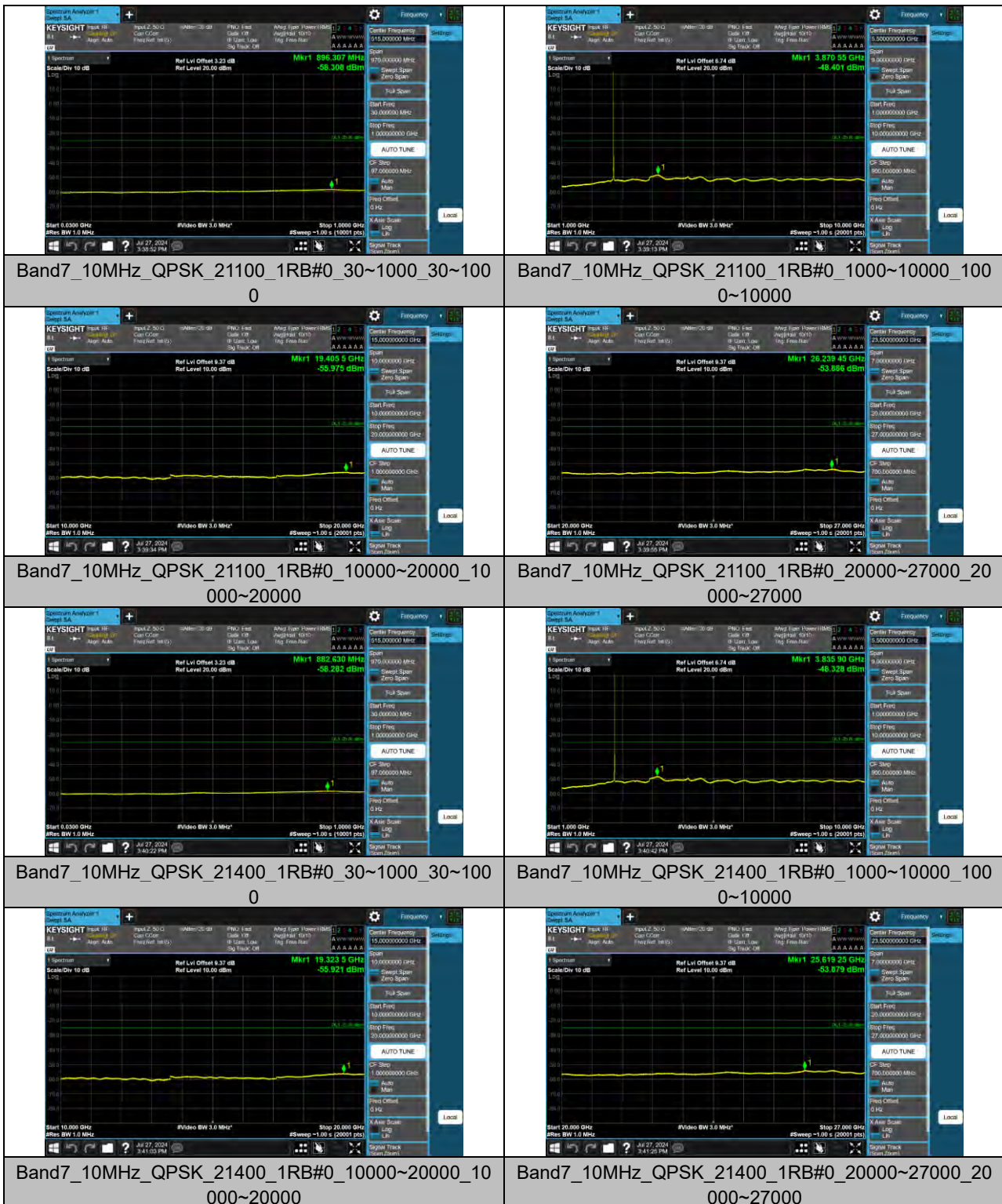
Reference No.: W7L-P24050018RF06

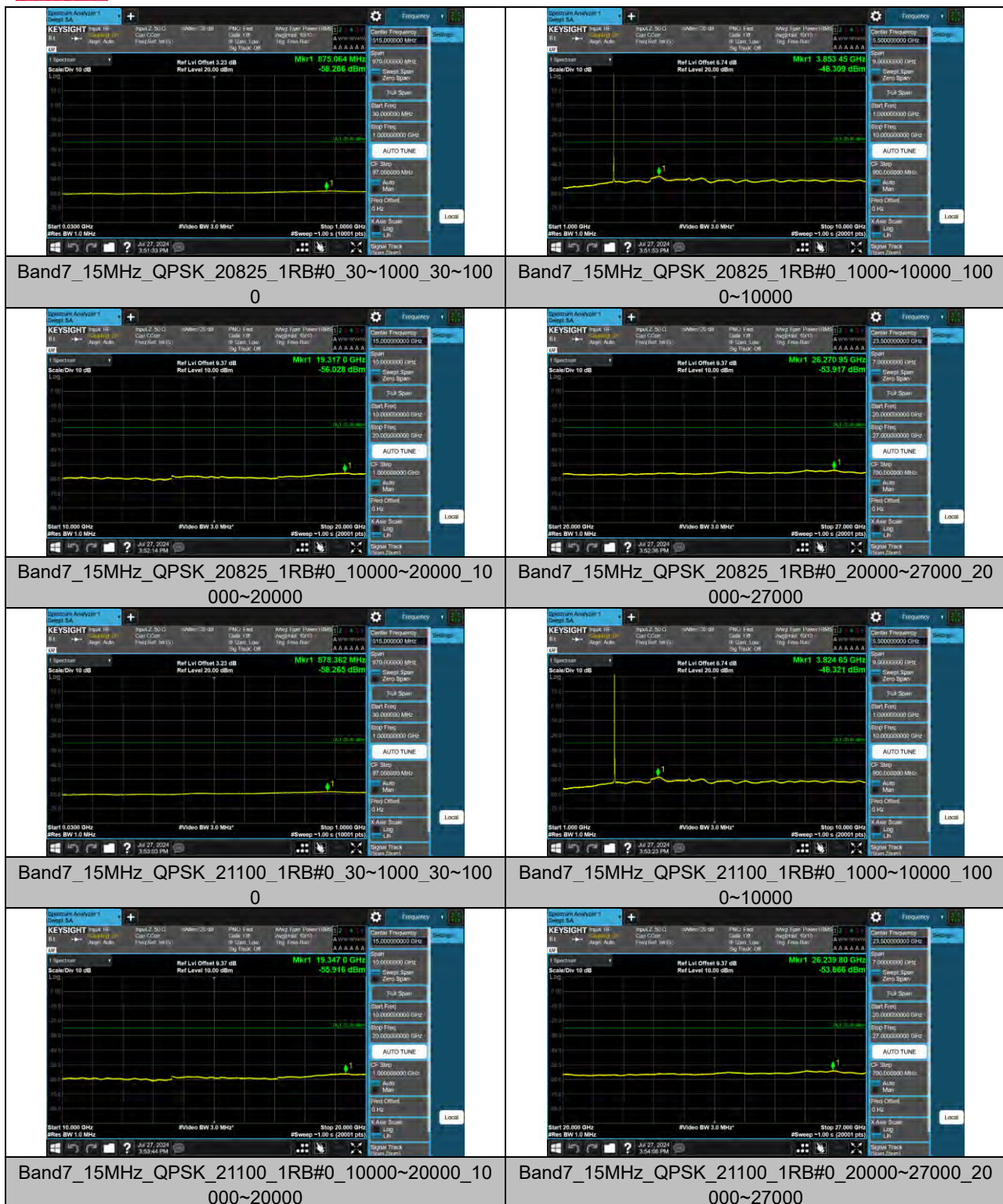
Band7	20MHz	QPSK	21100	1RB#0	20000~27000	-53.77	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000	-58.31	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~10000	-48.38	PASS
Band7	20MHz	QPSK	21350	1RB#0	10000~20000	-55.99	PASS
Band7	20MHz	QPSK	21350	1RB#0	20000~27000	-53.75	PASS

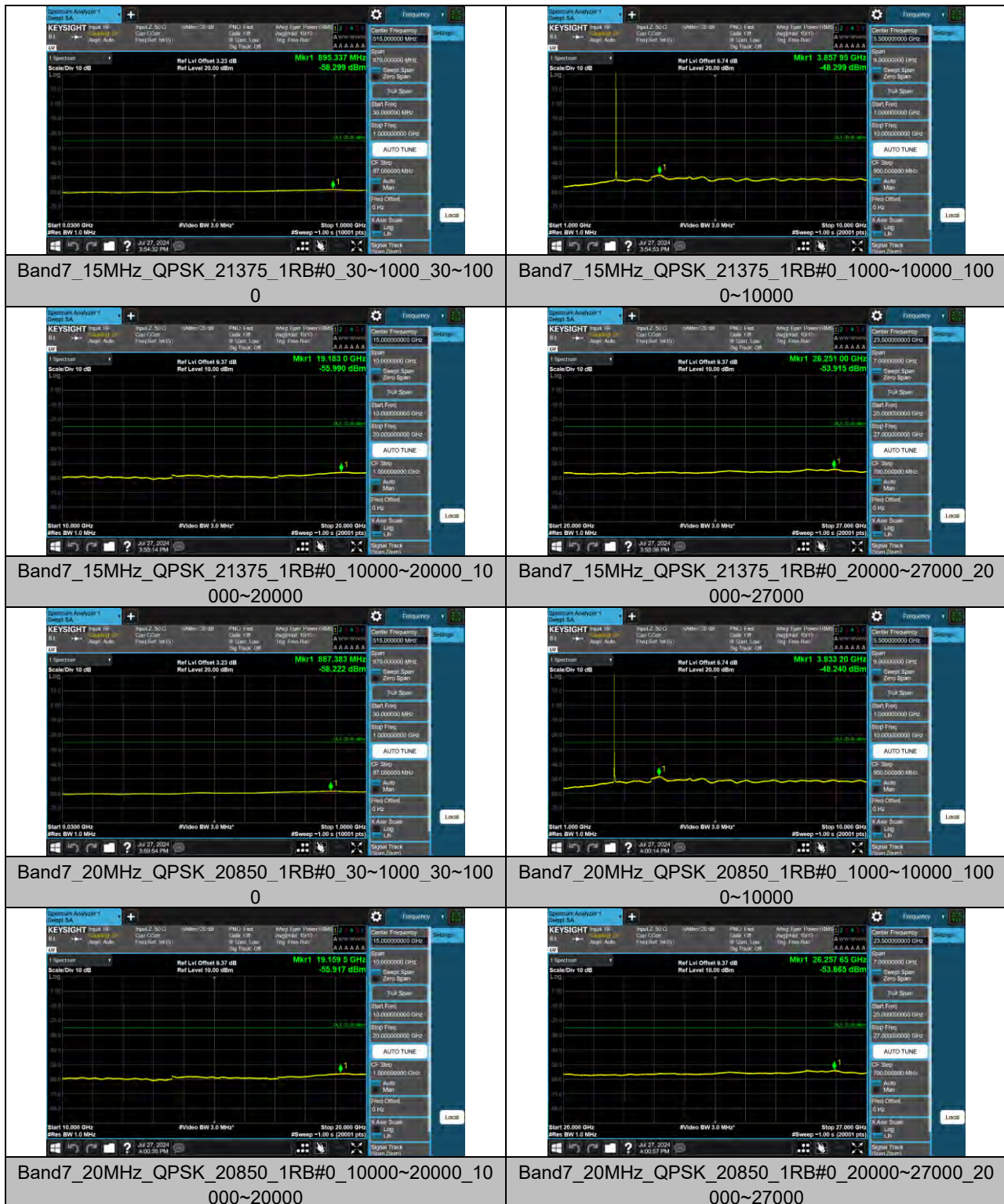
TEST GRAPHS















Reference No.: W7L-P24050018RF06

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	-1217.63	-0.486080	2500.55007	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	VL	NT	1069.52	0.426955	2500.5424	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	VH	NT	-1238.22	-0.494299	2500.54619	---	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VN	NT	-1240.00	-0.483431	---	2569.47061	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VL	NT	-3900.00	-1.520468	---	2569.46985	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VH	NT	-2140.00	-0.834308	---	2569.47326	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	-1103.76	-0.440622	2500.54131	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-20	1176.70	0.469739	2500.53991	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-10	-1351.58	-0.539555	2500.54451	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	0	-1379.53	-0.550711	2500.54433	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	10	1238.96	0.494593	2500.54657	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	20	-1372.11	-0.547750	2500.54201	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	30	1331.96	0.531721	2500.54276	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	40	1334.16	0.532600	2500.54854	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	50	-1473.01	-0.588027	2500.55144	---	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-30	-5440.00	-2.120858	---	2569.46661	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-20	-2380.00	-0.927875	---	2569.47462	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	-10	-4340.00	-1.692008	---	2569.46826	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	NV	0	-1190.00	-0.463000	---	2569.46826	2500-2570	PASS



BUREAU
VERITAS

Reference No.: W7L-P24050018RF06

	z			#0			00	938		47431	2570	
Band7	10MH z	QPSK	21400	50RB #0	NV	10	-3740. 00	-1.458 090	---	2569. 47091	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	20	-4340. 00	-1.692 008	---	2569. 46796	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	30	-2300. 00	-0.896 686	---	2569. 4731	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	40	-5520. 00	-2.152 047	---	2569. 46773	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	50	-3520. 00	-1.372 320	---	2569. 47373	2500- 2570	PASS



Reference No.: W7L-P24050018RF06

LTE BAND 12

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	3.82	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.07	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.92	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.48	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.89	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.47	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.06	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.02	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.90	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.35	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.91	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.31	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.71	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.01	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.70	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.29	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.65	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.91	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.59	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.95	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.74	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.13	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.57	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.85	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.70	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.89	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.63	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.35	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.65	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.88	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.86	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.78	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.60	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.03	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.75	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.77	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.63	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.35	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.65	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.31	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.70	13	PASS

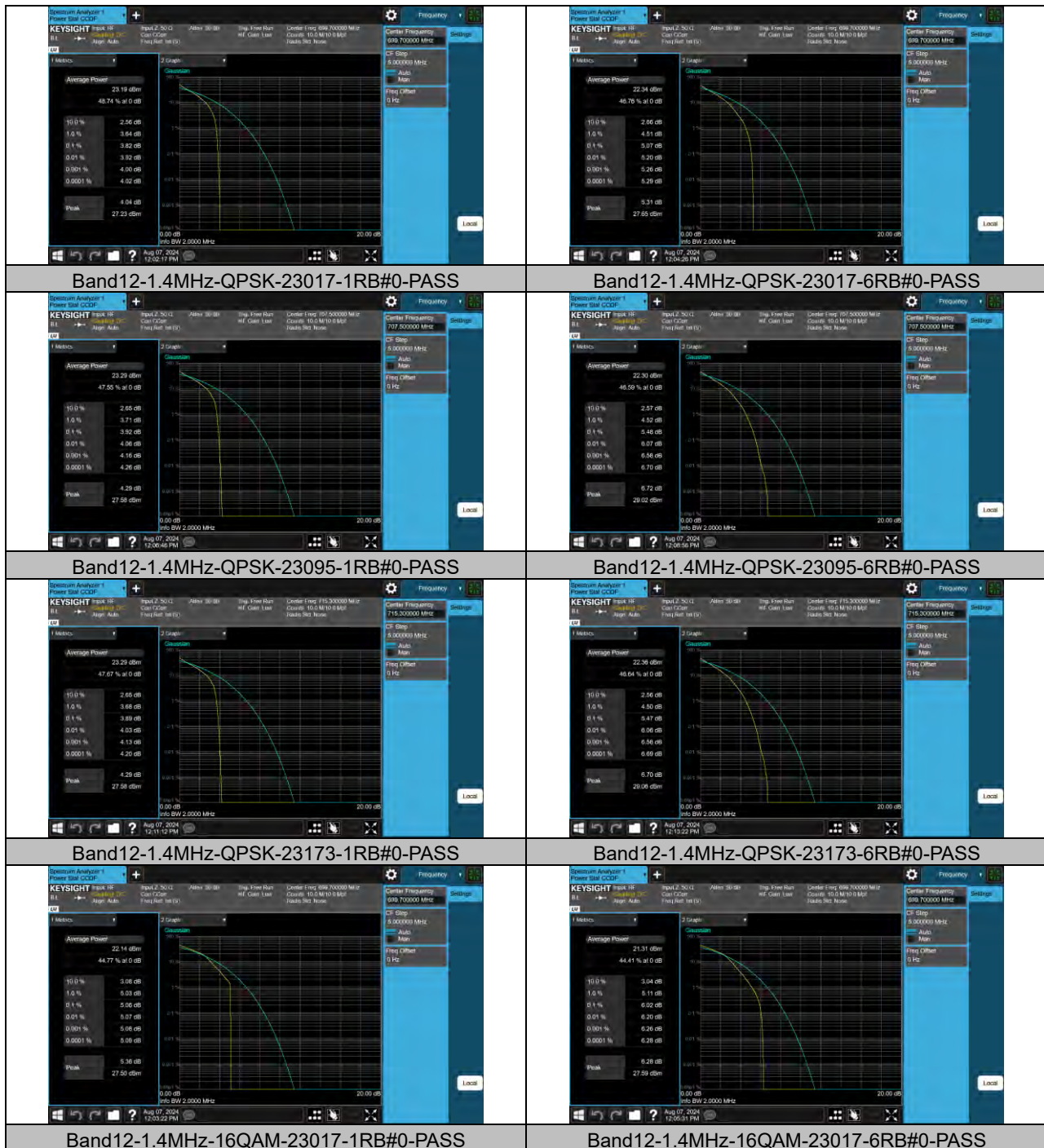


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Band12	10MHz	QPSK	23130	50RB#0	4.63	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.71	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.08	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.59	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.04	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.56	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.58	13	PASS

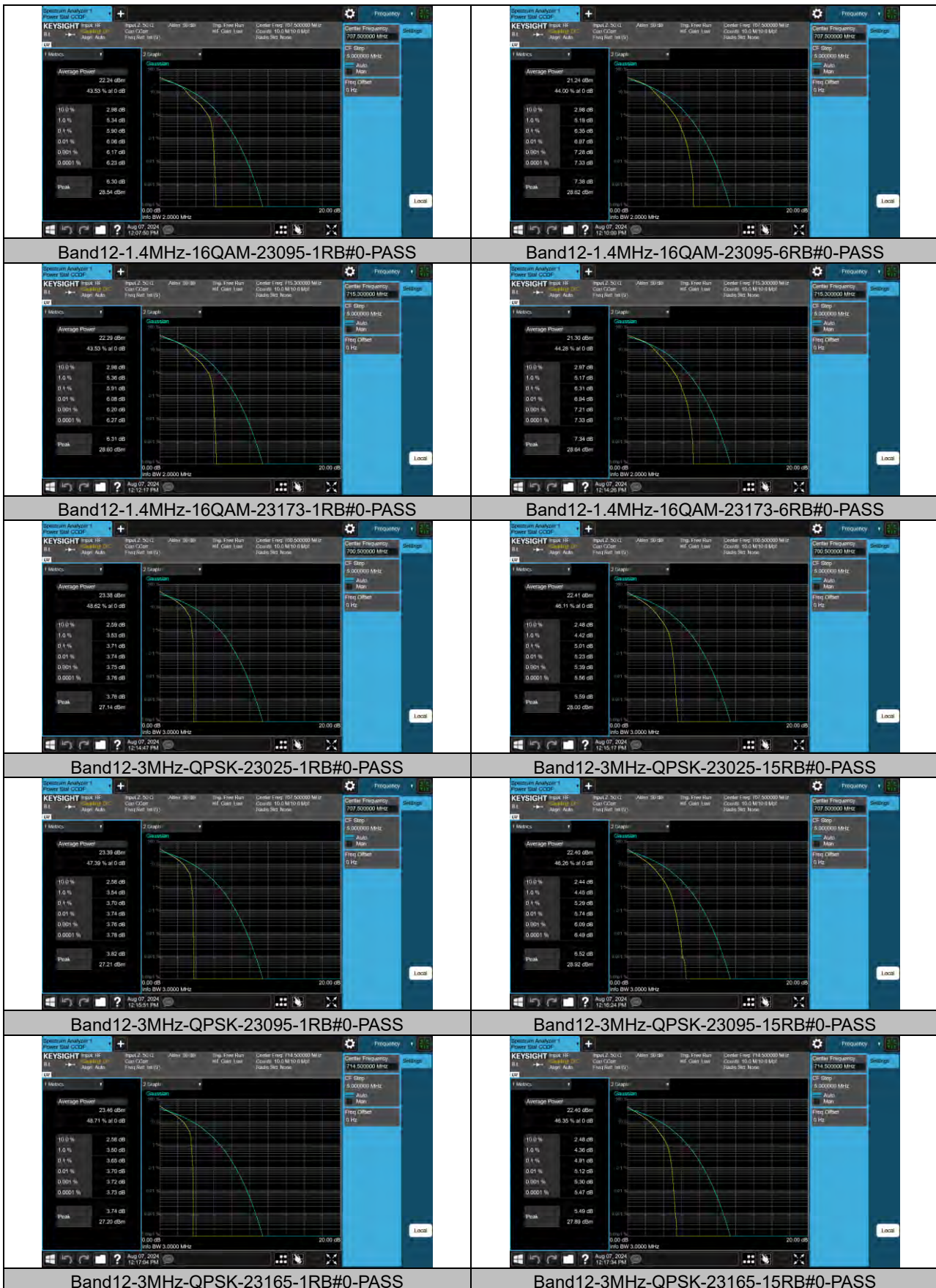
TEST GRAPHS





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