

FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VN	NT	0.26	0.000140	±2.5	PASS
Band2	9262	VL	NT	0.91	0.000491	±2.5	PASS
Band2	9262	VH	NT	-0.78	-0.000421	±2.5	PASS
Band2	9400	VN	NT	-0.38	-0.000202	±2.5	PASS
Band2	9400	VL	NT	-1.18	-0.000628	±2.5	PASS
Band2	9400	VH	NT	-0.56	-0.000298	±2.5	PASS
Band2	9538	VN	NT	-1.35	-0.000708	±2.5	PASS
Band2	9538	VL	NT	-3.22	-0.001688	±2.5	PASS
Band2	9538	VH	NT	-2.74	-0.001436	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	0.70	0.000378	±2.5	PASS
Band2	9262	NV	-20	-0.09	-0.000049	±2.5	PASS
Band2	9262	NV	-10	1.67	0.000902	±2.5	PASS
Band2	9262	NV	0	-0.72	-0.000389	±2.5	PASS
Band2	9262	NV	10	1.02	0.000551	±2.5	PASS
Band2	9262	NV	20	-1.04	-0.000561	±2.5	PASS
Band2	9262	NV	30	-0.34	-0.000184	±2.5	PASS
Band2	9262	NV	40	0.80	0.000432	±2.5	PASS
Band2	9262	NV	50	1.09	0.000588	±2.5	PASS
Band2	9400	NV	-30	-0.74	-0.000394	±2.5	PASS
Band2	9400	NV	-20	-2.03	-0.001080	±2.5	PASS
Band2	9400	NV	-10	0.02	0.000011	±2.5	PASS
Band2	9400	NV	0	-0.59	-0.000314	±2.5	PASS
Band2	9400	NV	10	0.93	0.000495	±2.5	PASS
Band2	9400	NV	20	-2.26	-0.001202	±2.5	PASS
Band2	9400	NV	30	-0.92	-0.000489	±2.5	PASS
Band2	9400	NV	40	-0.86	-0.000457	±2.5	PASS
Band2	9400	NV	50	-1.64	-0.000872	±2.5	PASS
Band2	9538	NV	-30	-2.55	-0.001337	±2.5	PASS
Band2	9538	NV	-20	-3.37	-0.001767	±2.5	PASS
Band2	9538	NV	-10	-4.47	-0.002343	±2.5	PASS
Band2	9538	NV	0	-3.78	-0.001982	±2.5	PASS
Band2	9538	NV	10	-2.08	-0.001090	±2.5	PASS
Band2	9538	NV	20	-3.38	-0.001772	±2.5	PASS
Band2	9538	NV	30	-3.43	-0.001798	±2.5	PASS
Band2	9538	NV	40	-3.55	-0.001861	±2.5	PASS
Band2	9538	NV	50	-3.05	-0.001599	±2.5	PASS

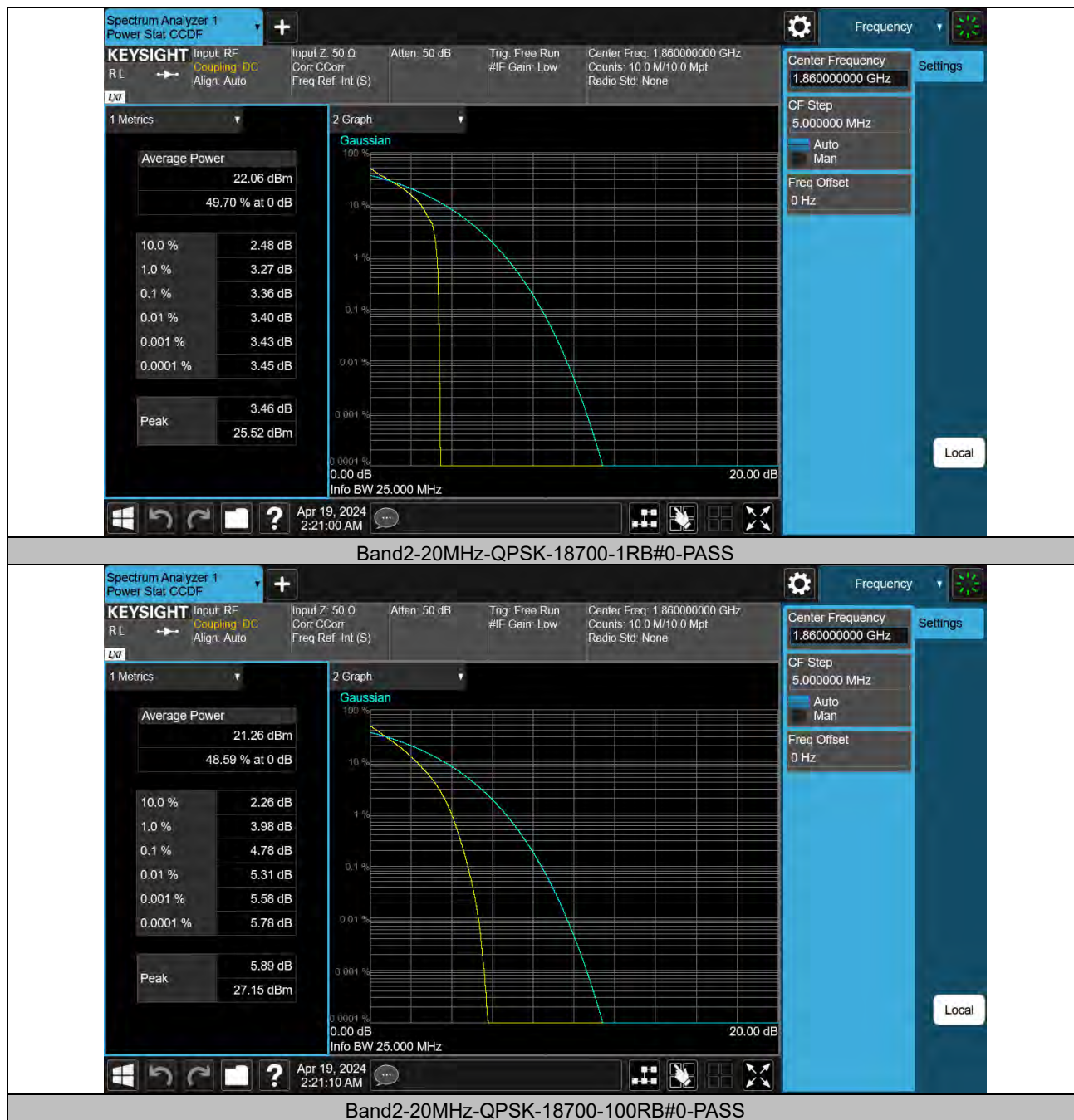
LTE BAND 2

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	1RB#0	3.36	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	4.78	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	3.51	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.79	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	3.66	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.95	13	PASS

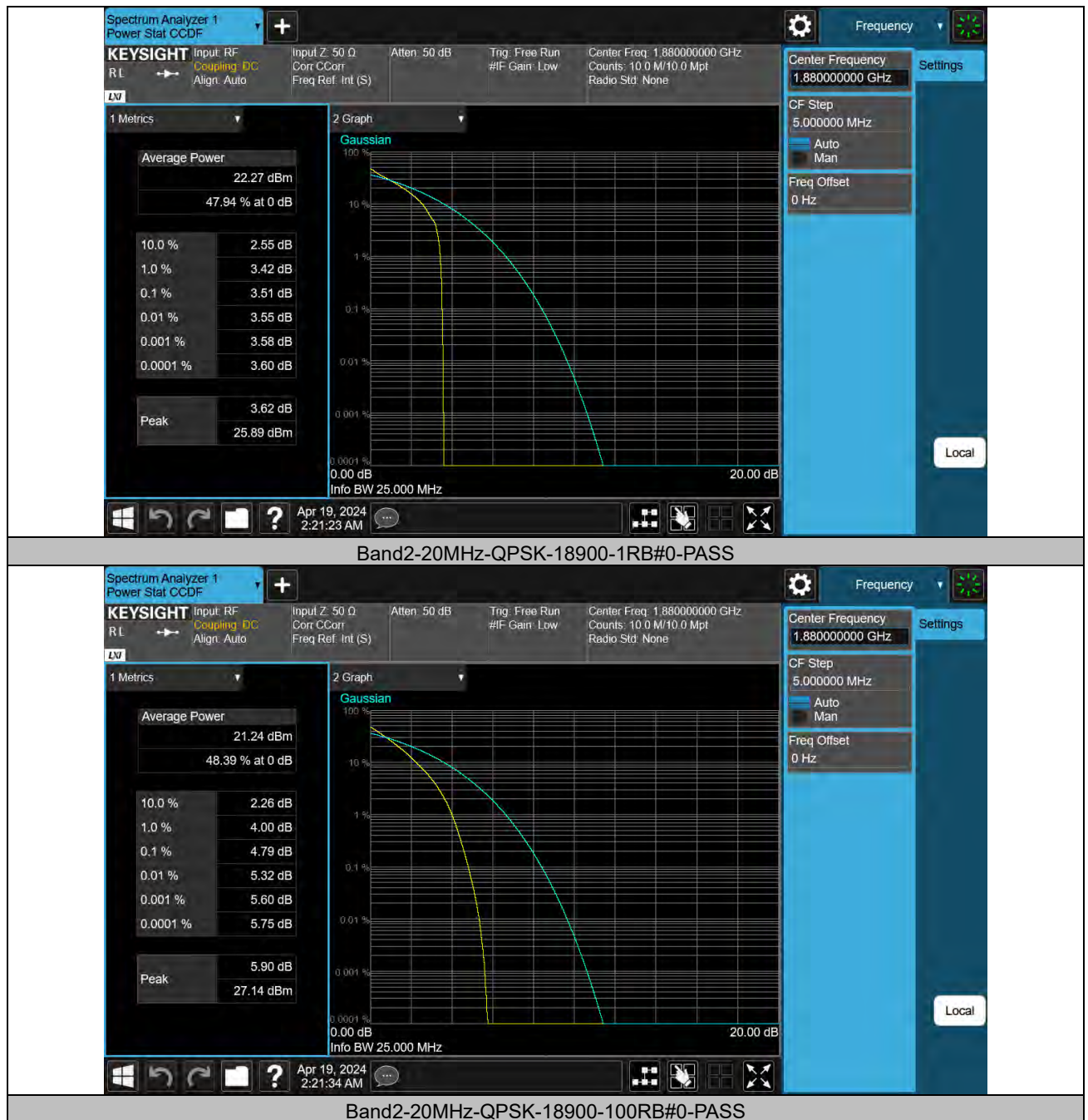
Test Graphs





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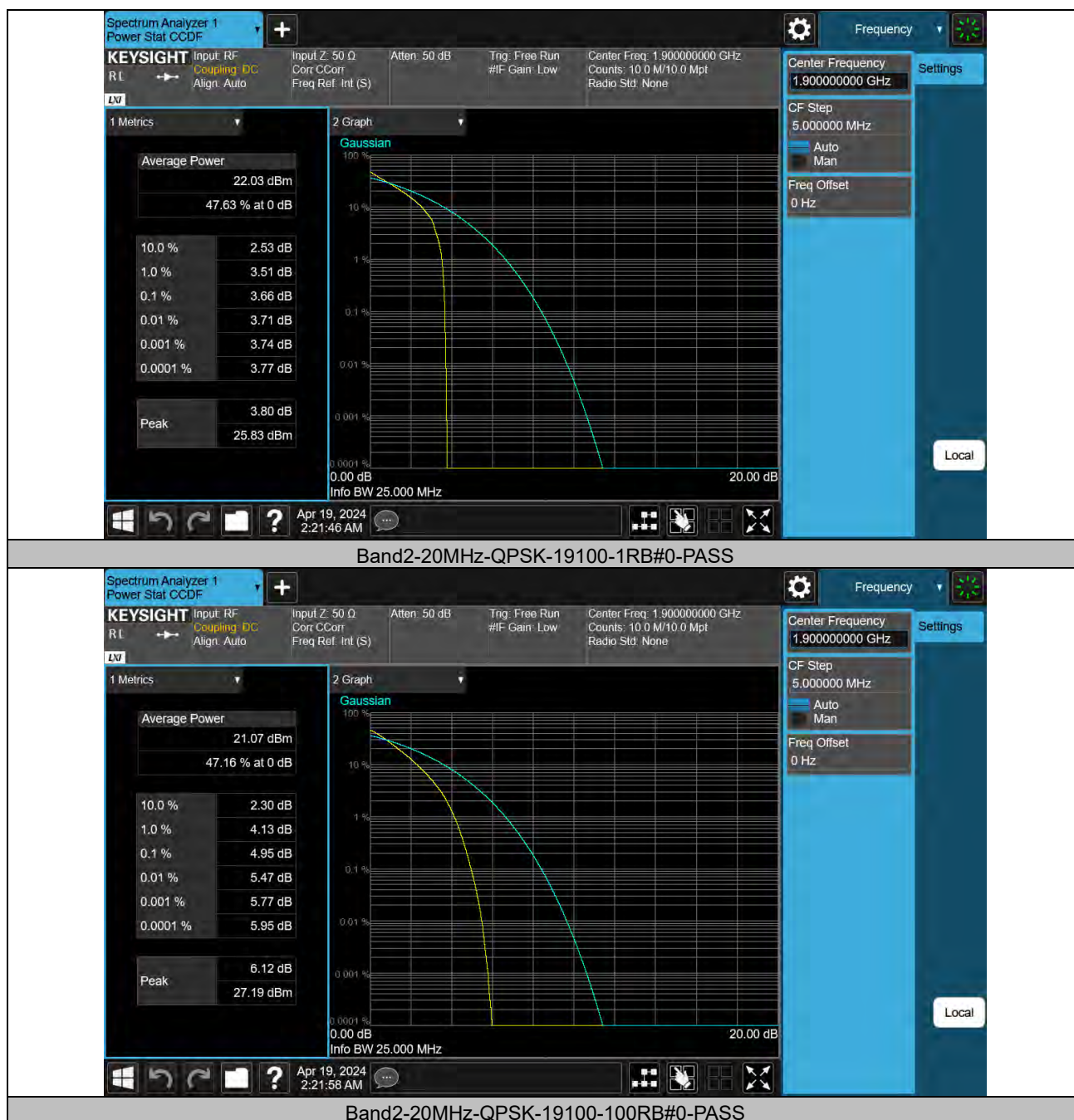
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26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

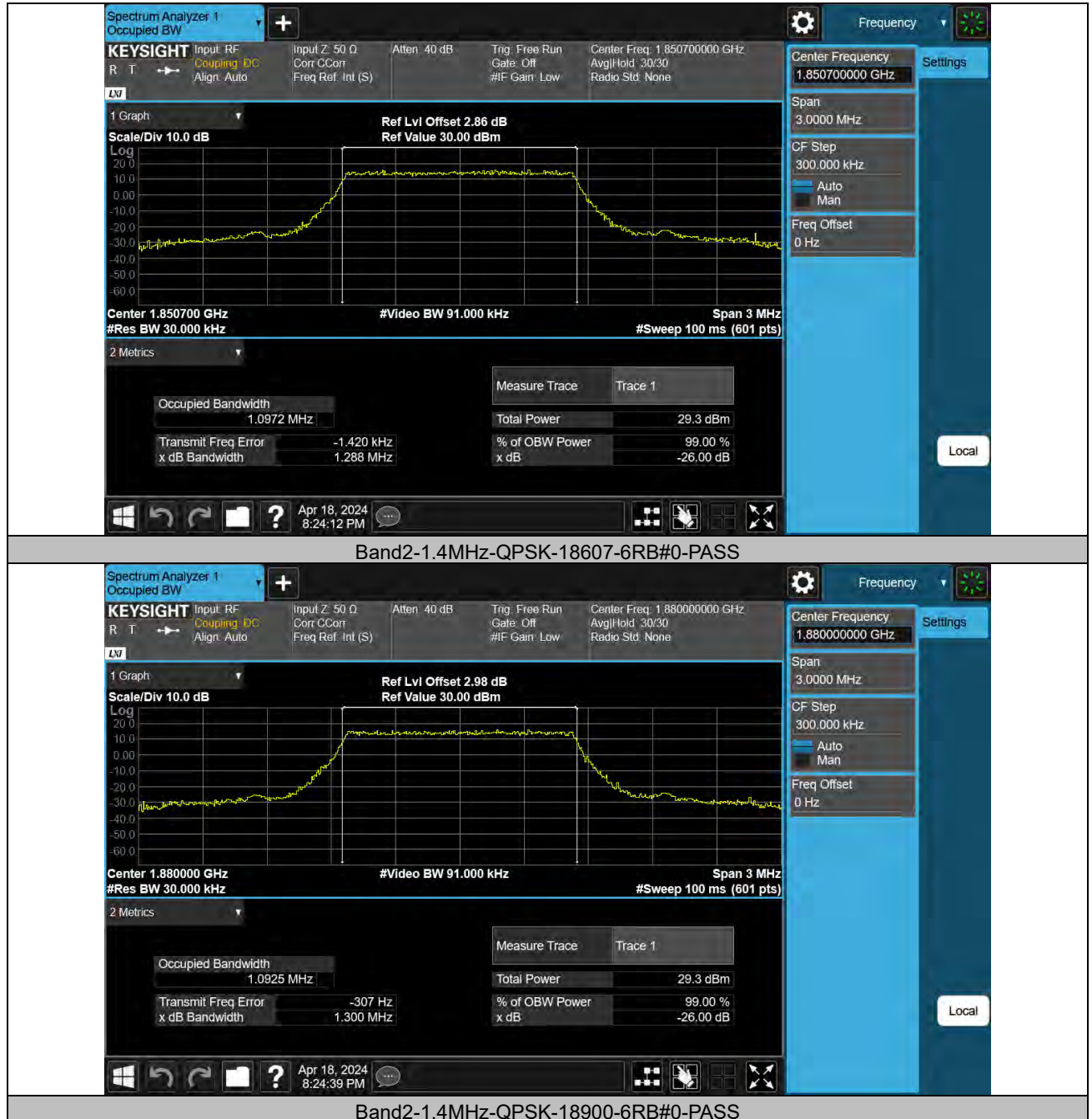
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0972	1.288	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0925	1.300	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0995	1.297	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0997	1.282	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0939	1.299	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0969	1.301	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7009	2.979	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7008	2.984	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7021	2.979	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.7018	2.985	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6974	2.974	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7000	2.979	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5027	4.988	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5095	5.041	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5084	5.033	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5156	5.042	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5144	4.991	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5048	5.029	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9667	9.926	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9641	9.868	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9696	9.864	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9721	9.862	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9697	9.914	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9716	9.861	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.431	14.76	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.452	14.67	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.434	14.77	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.443	14.70	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.427	14.59	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.440	14.80	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.892	19.44	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.895	19.54	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.931	19.49	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.928	19.44	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.874	19.43	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.918	19.49	PASS



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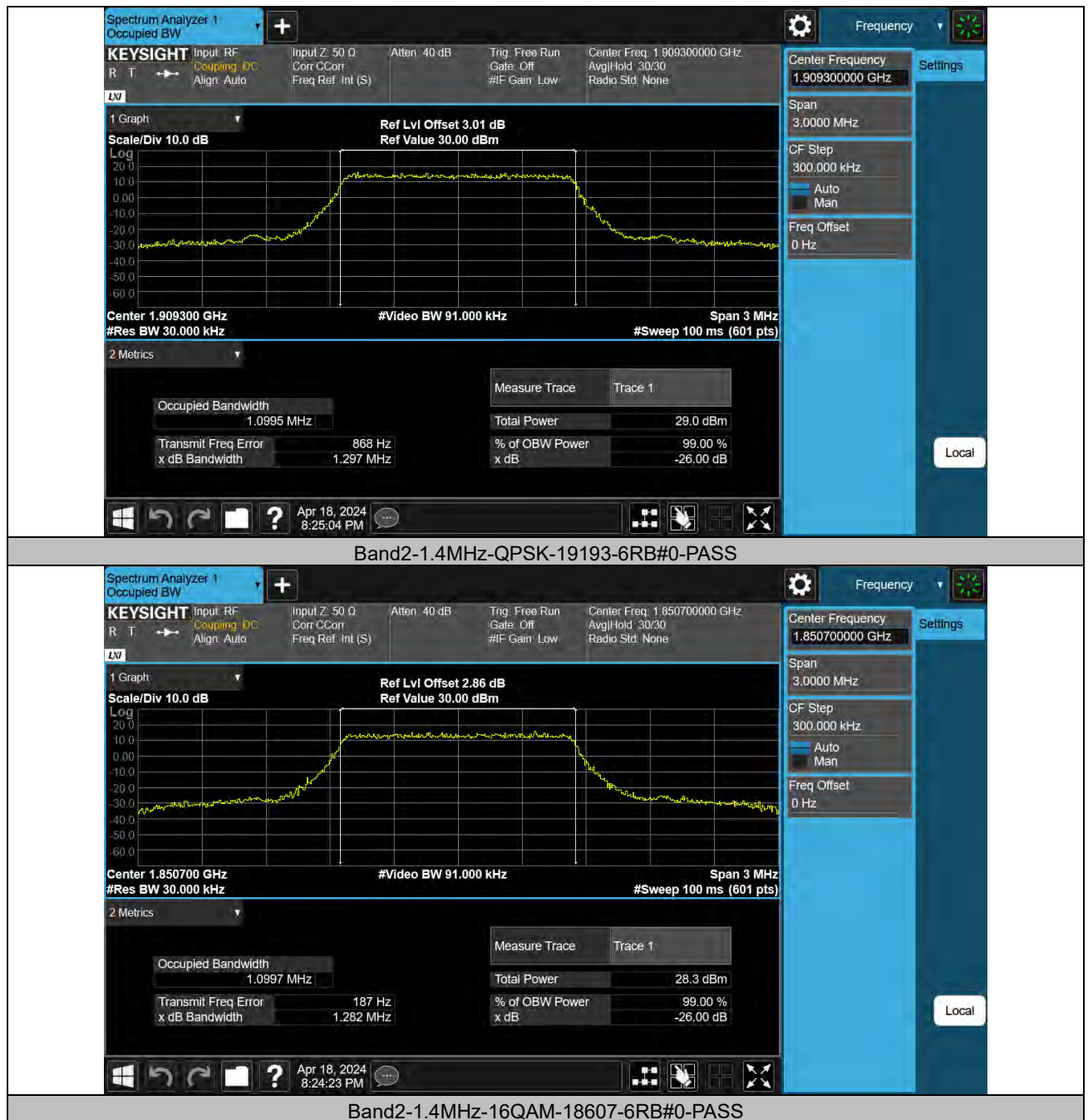
Test Graphs





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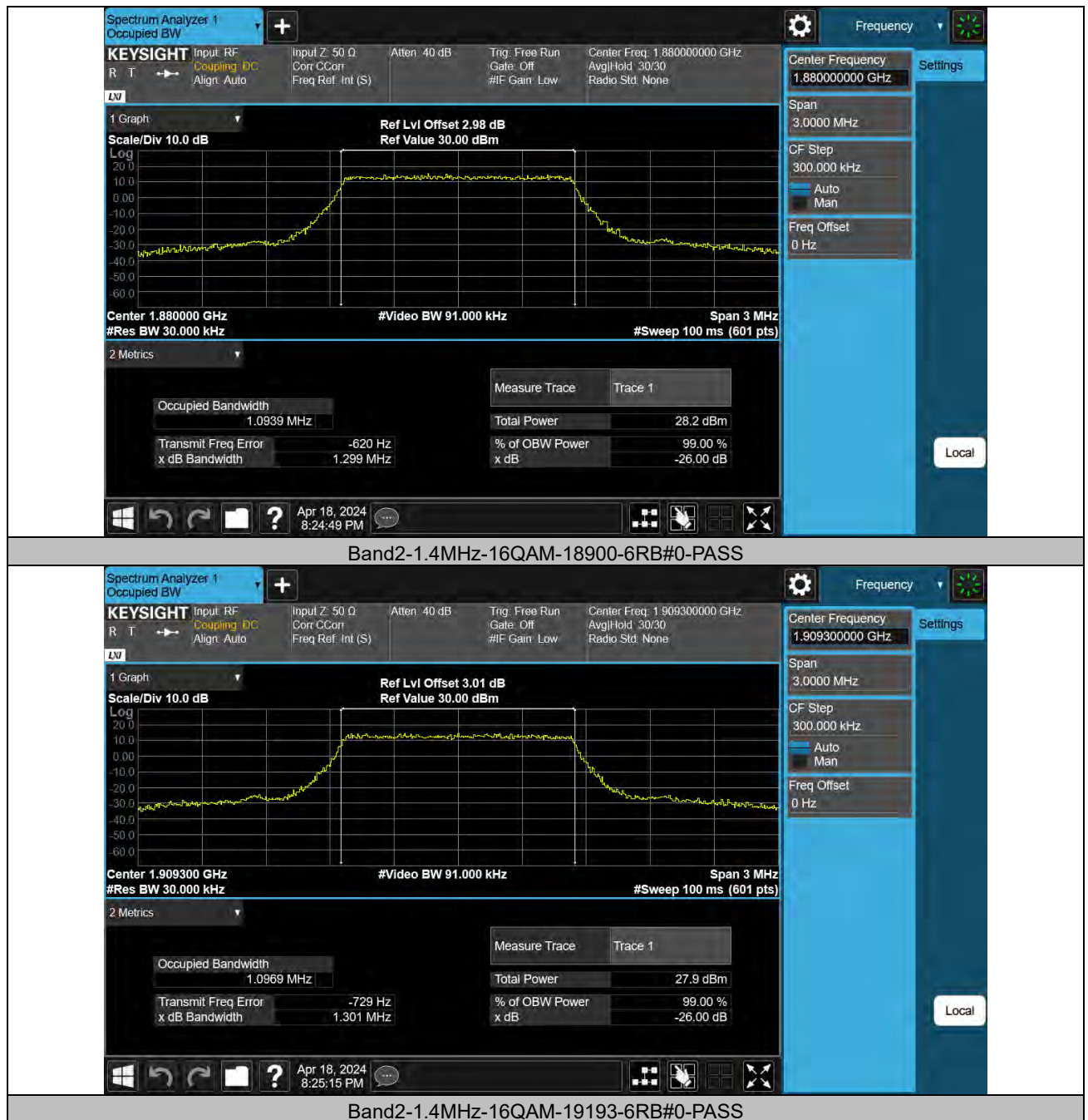
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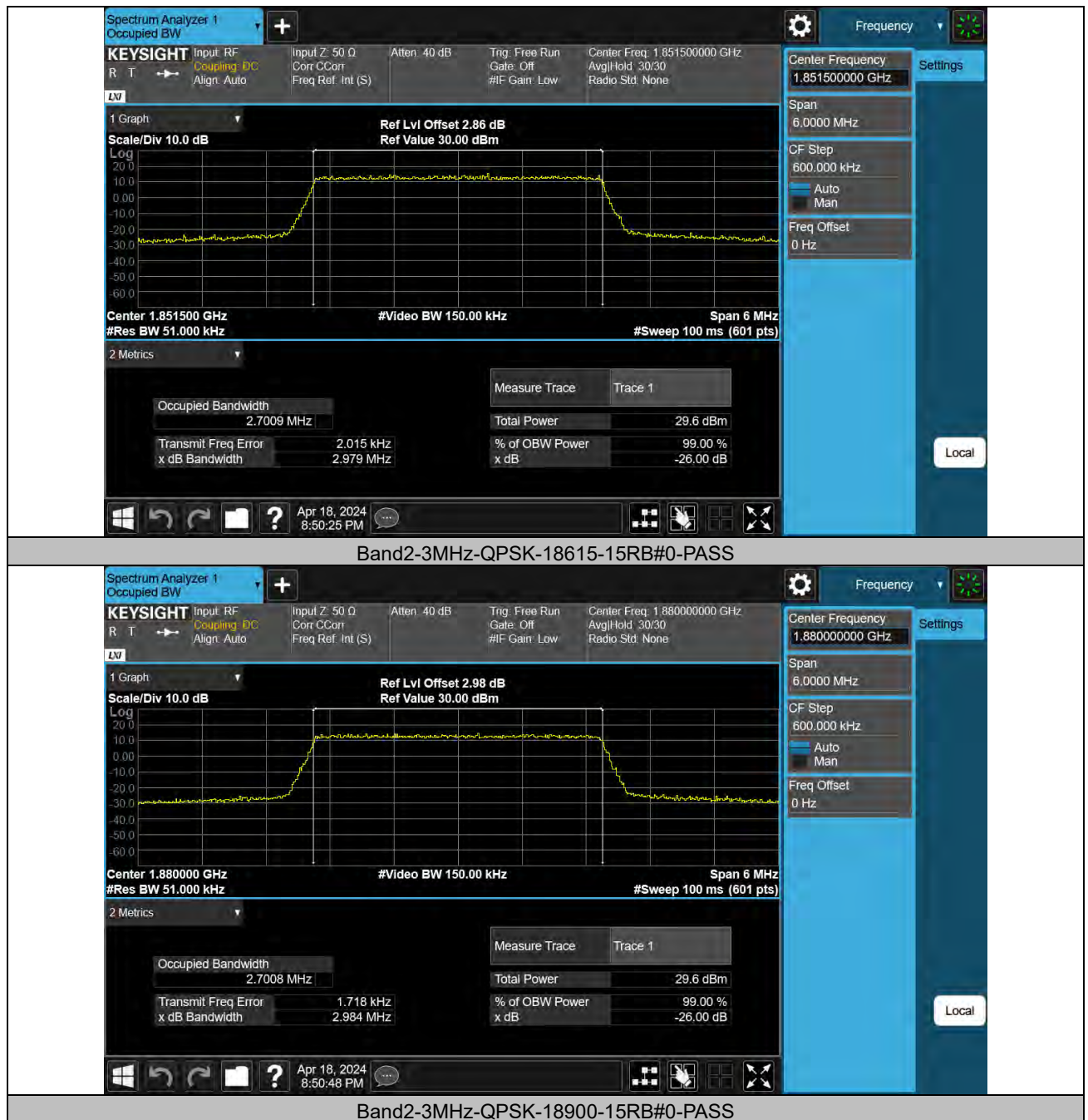
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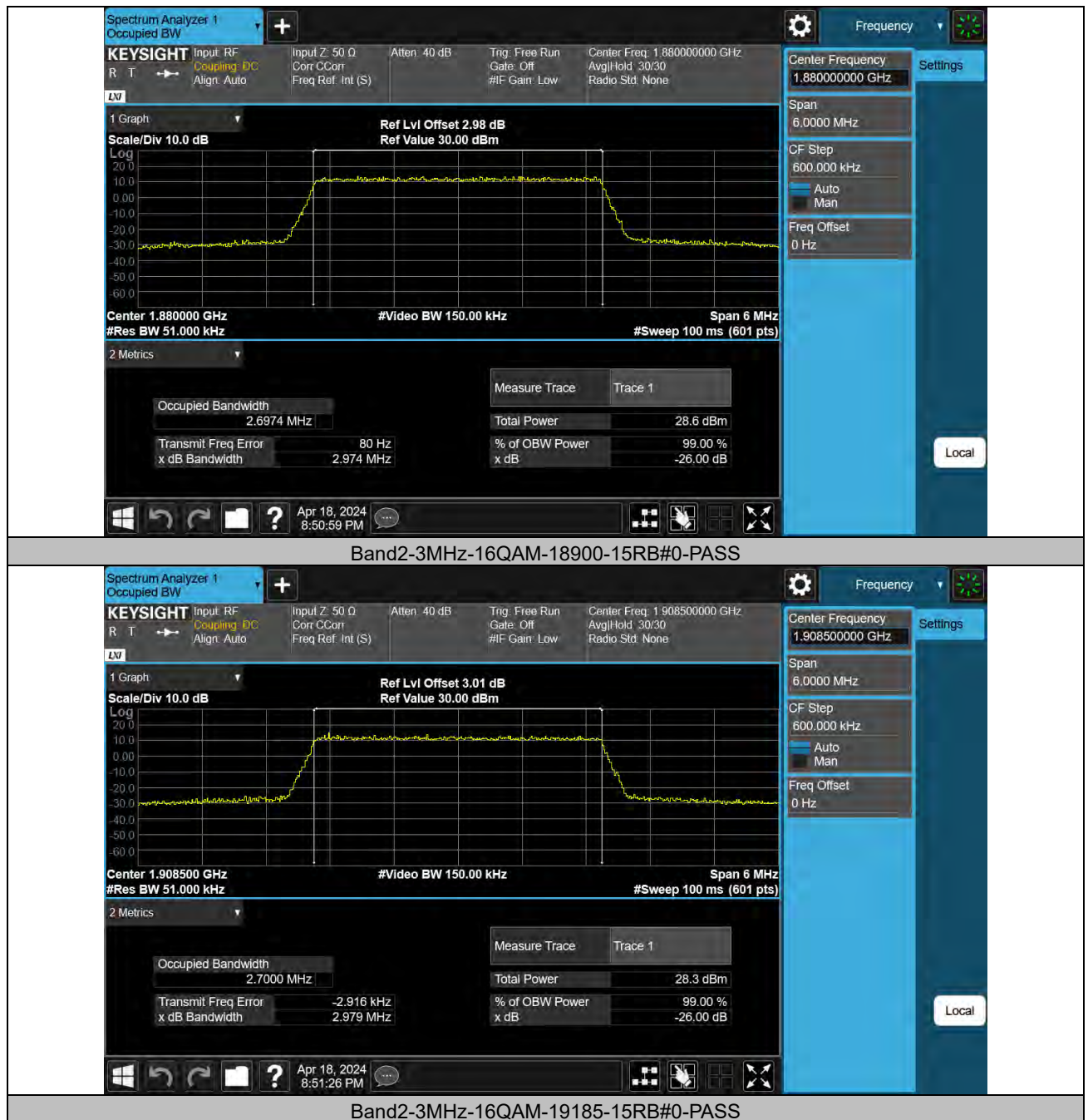
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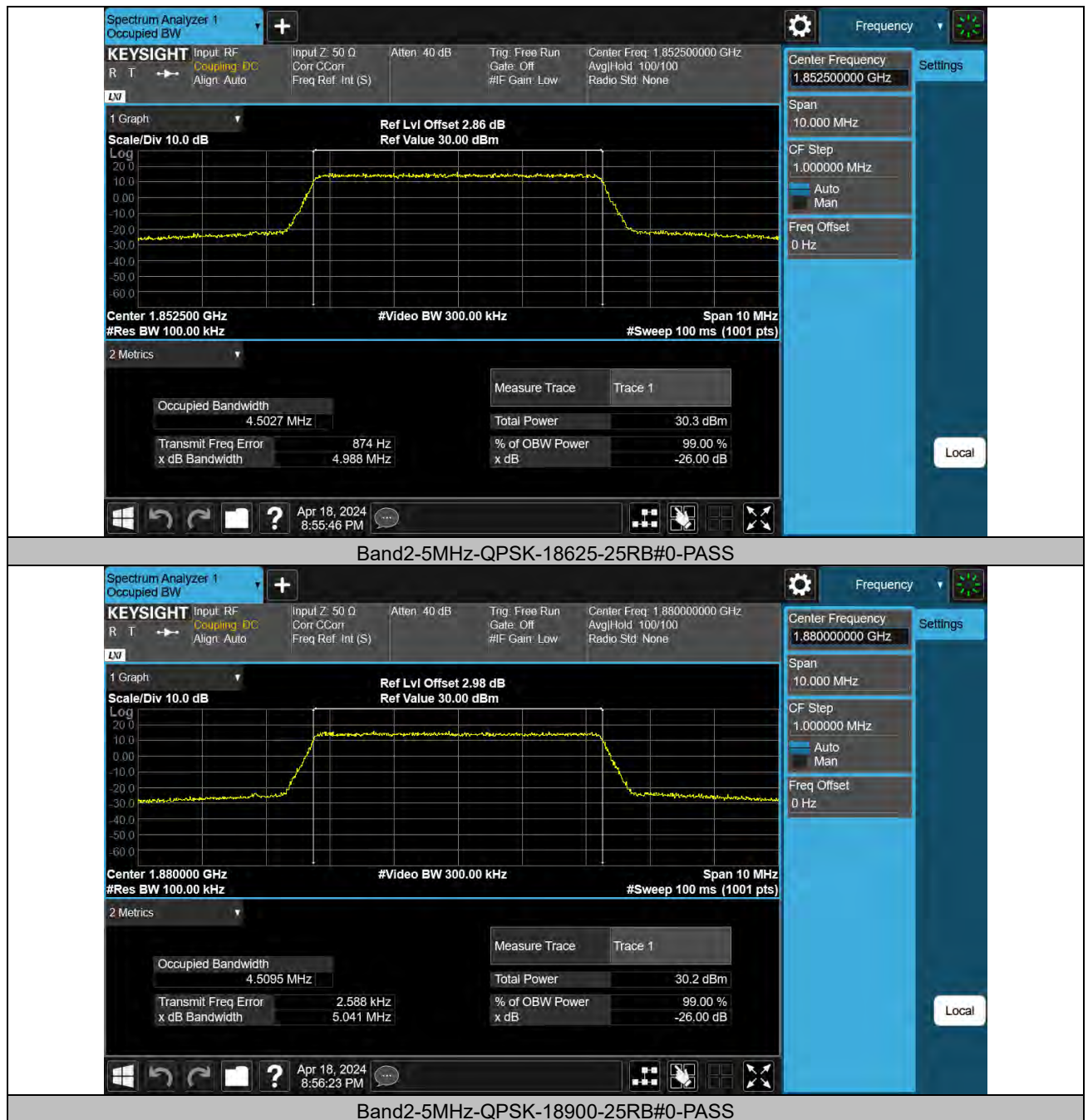
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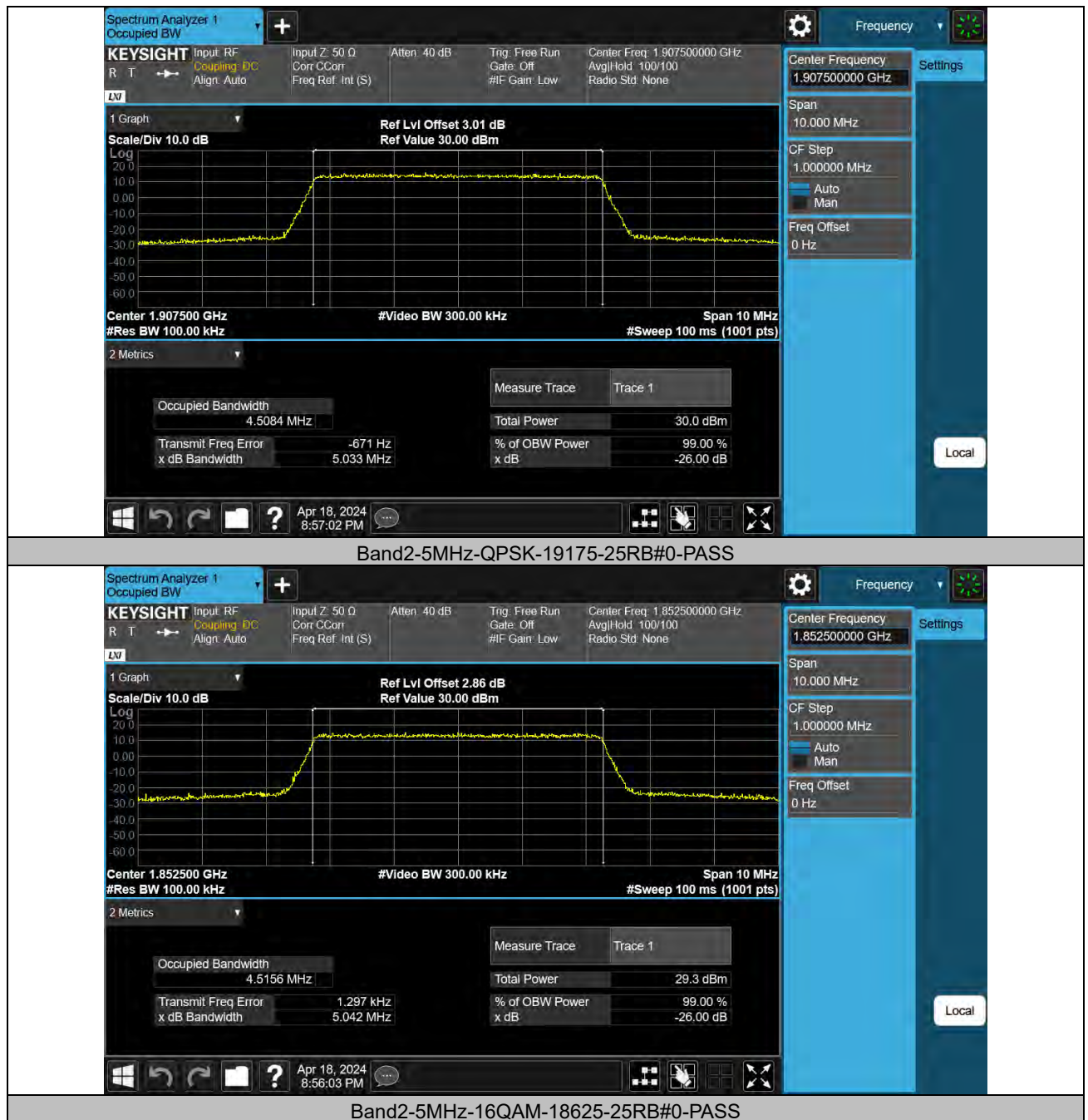
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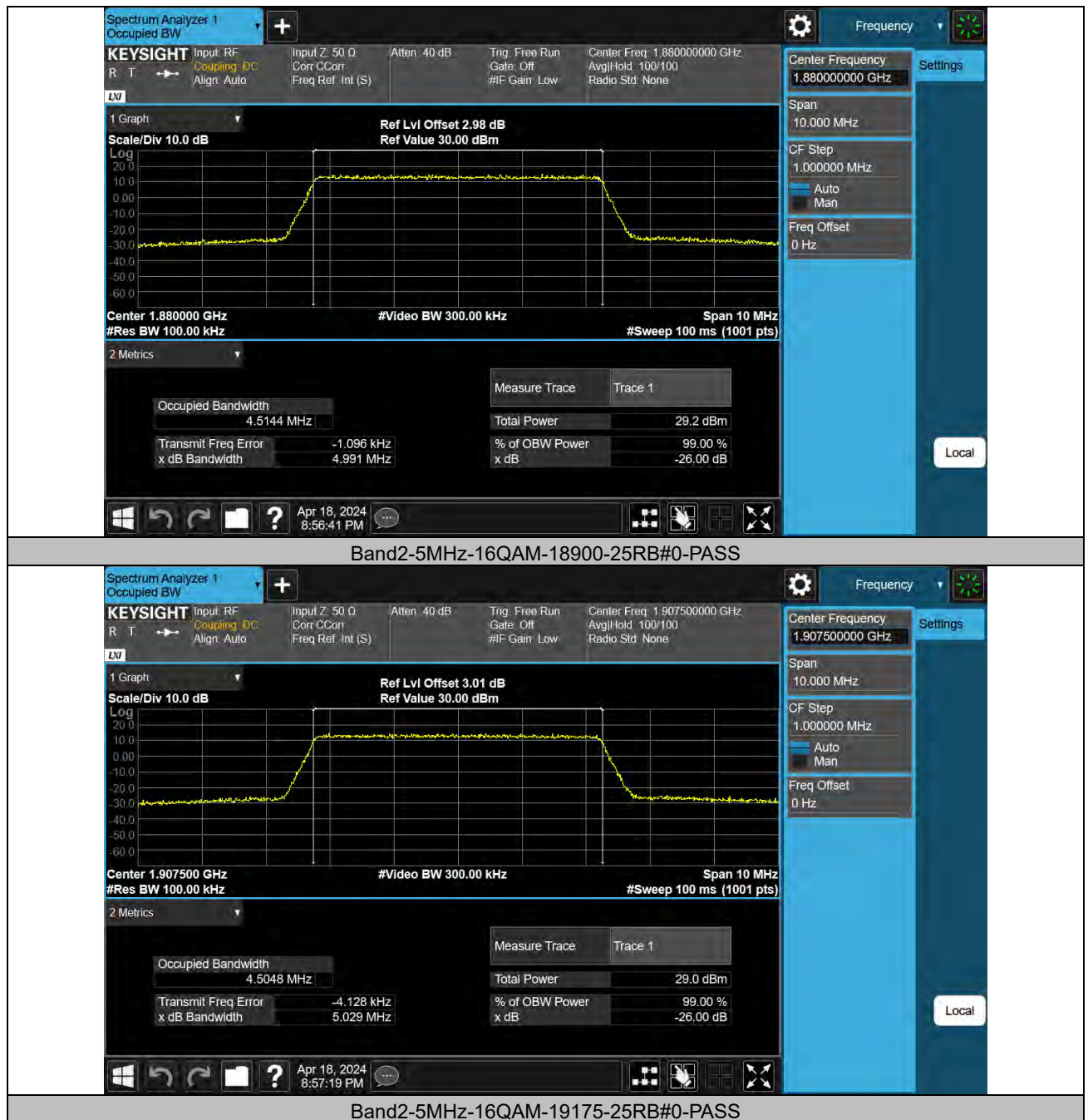
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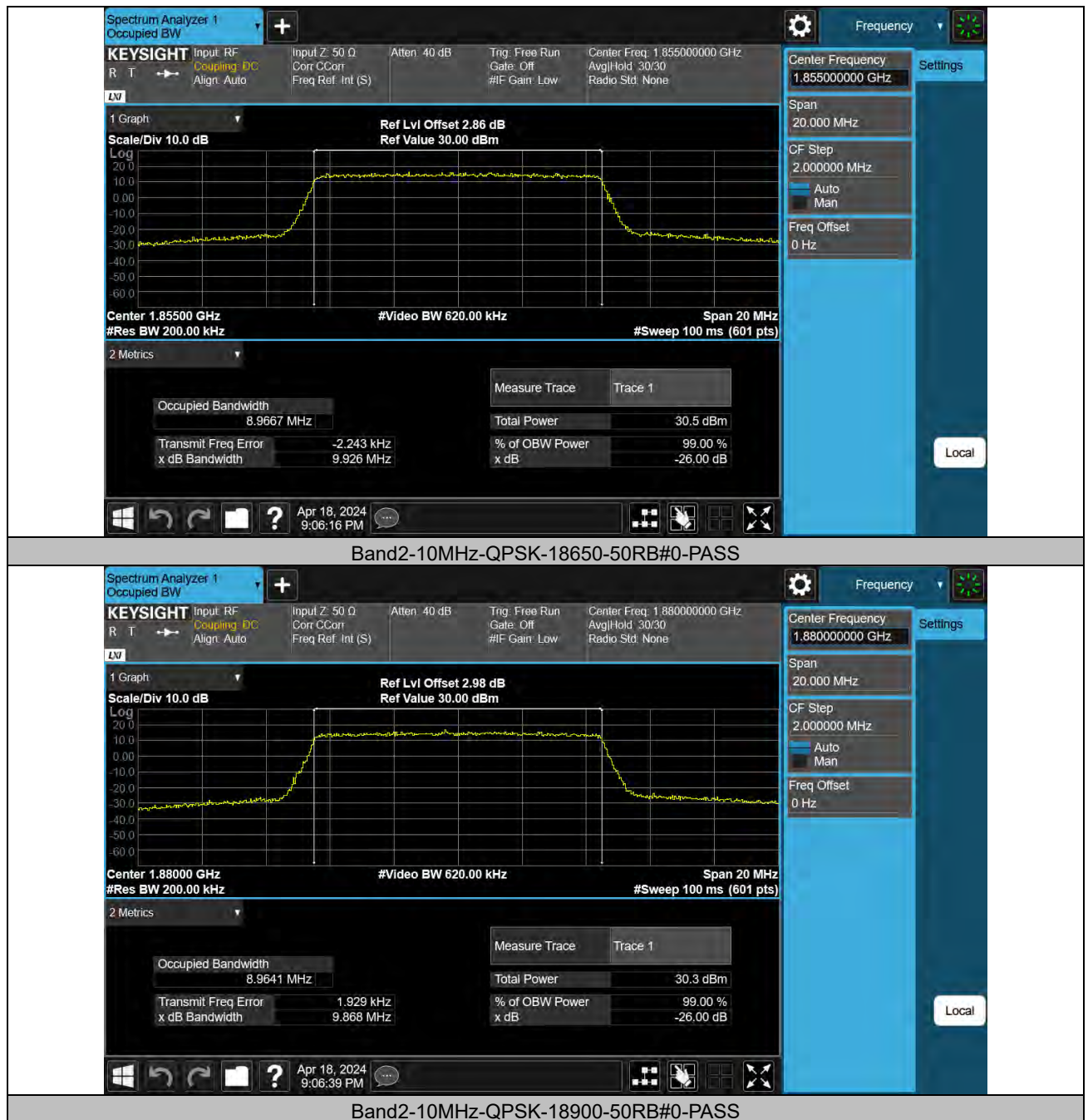
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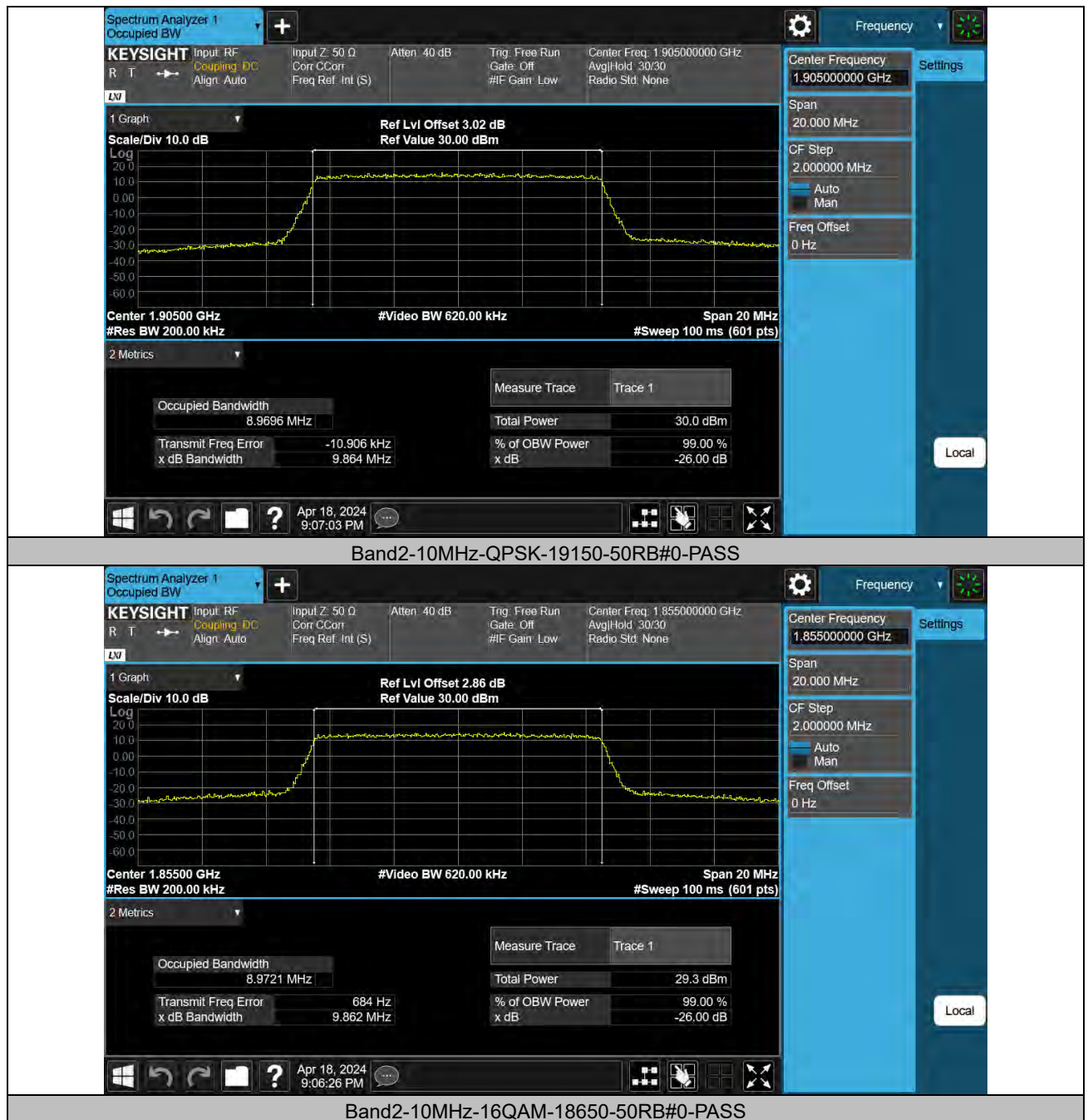
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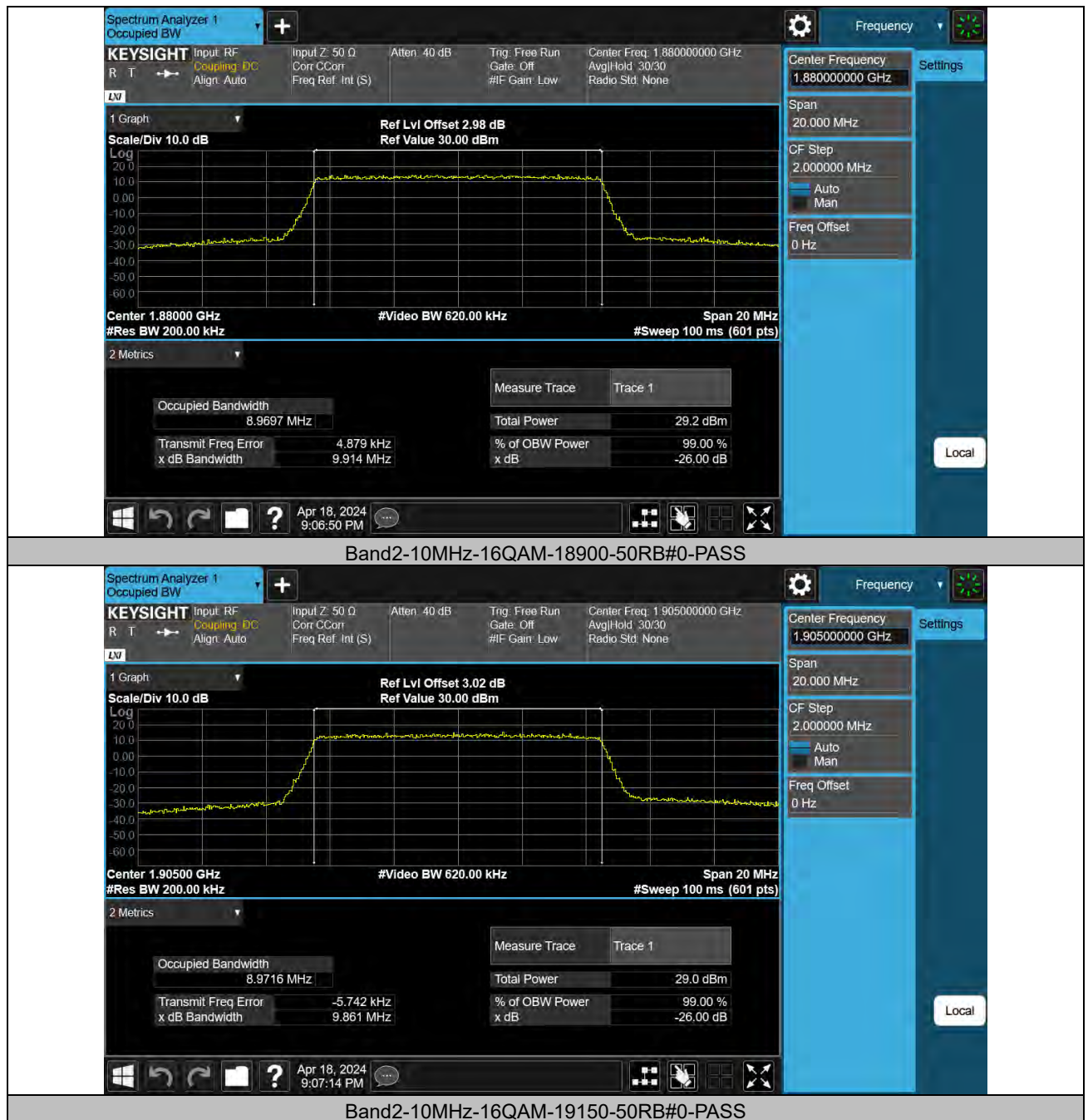
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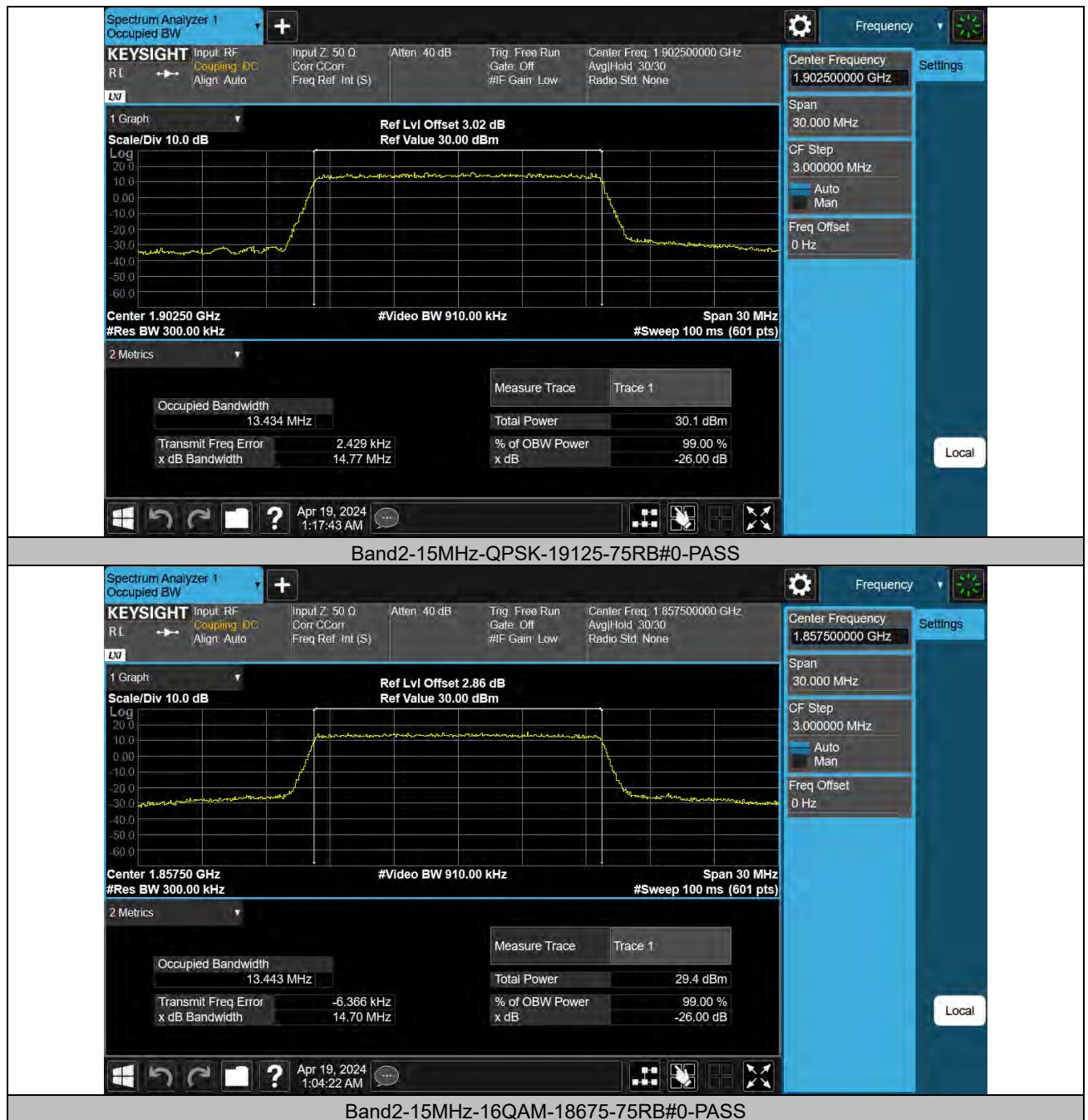
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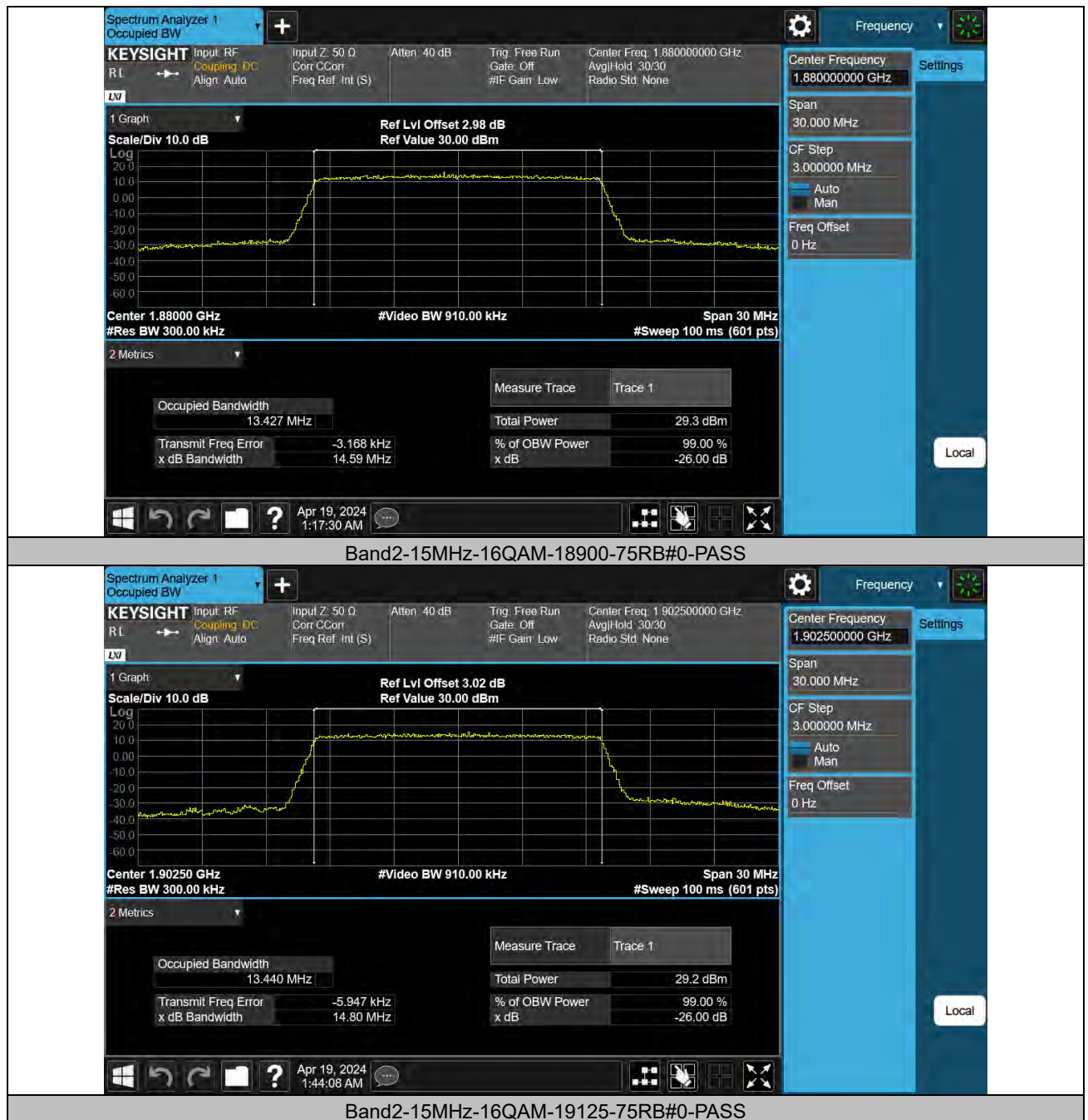
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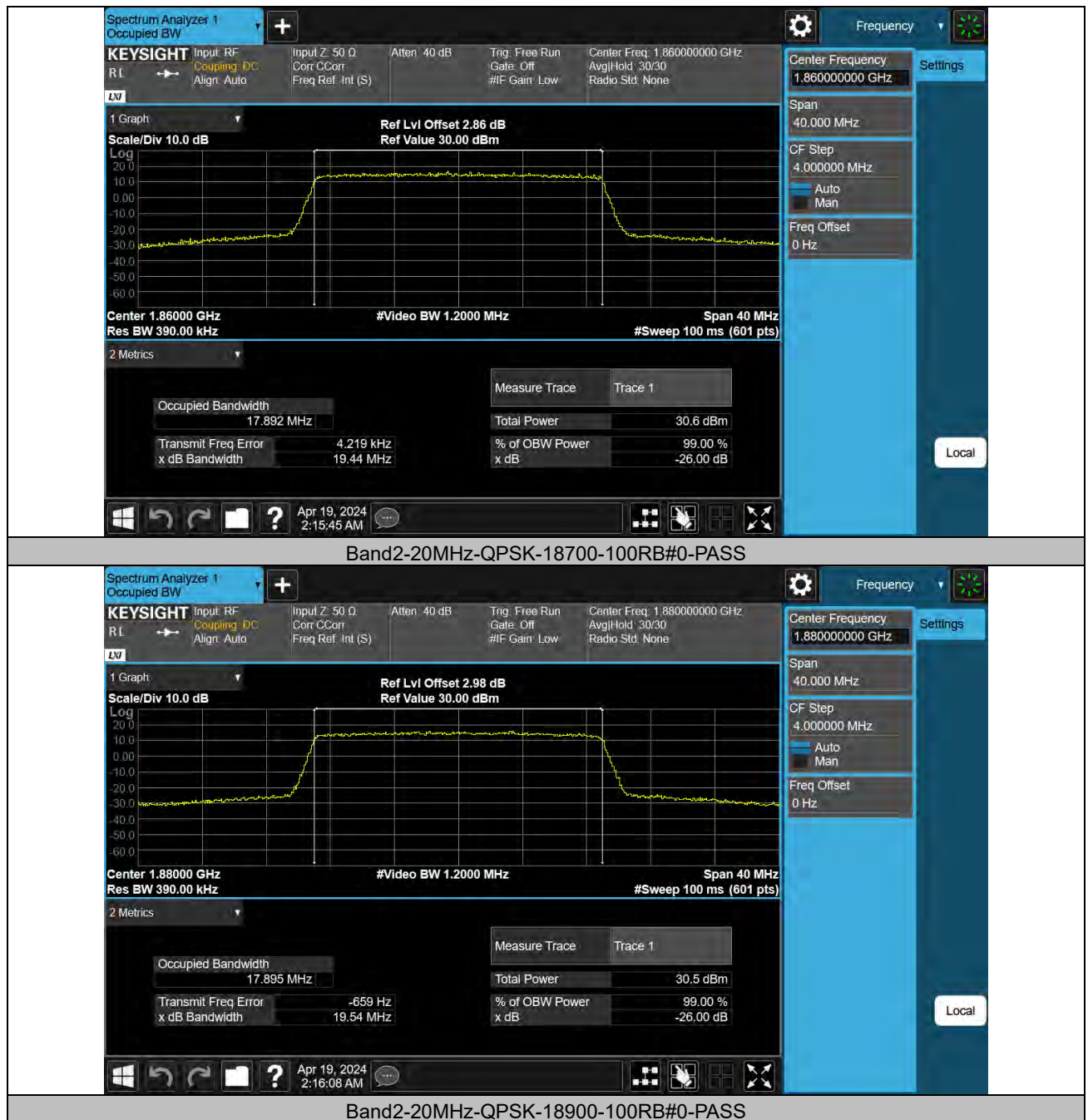
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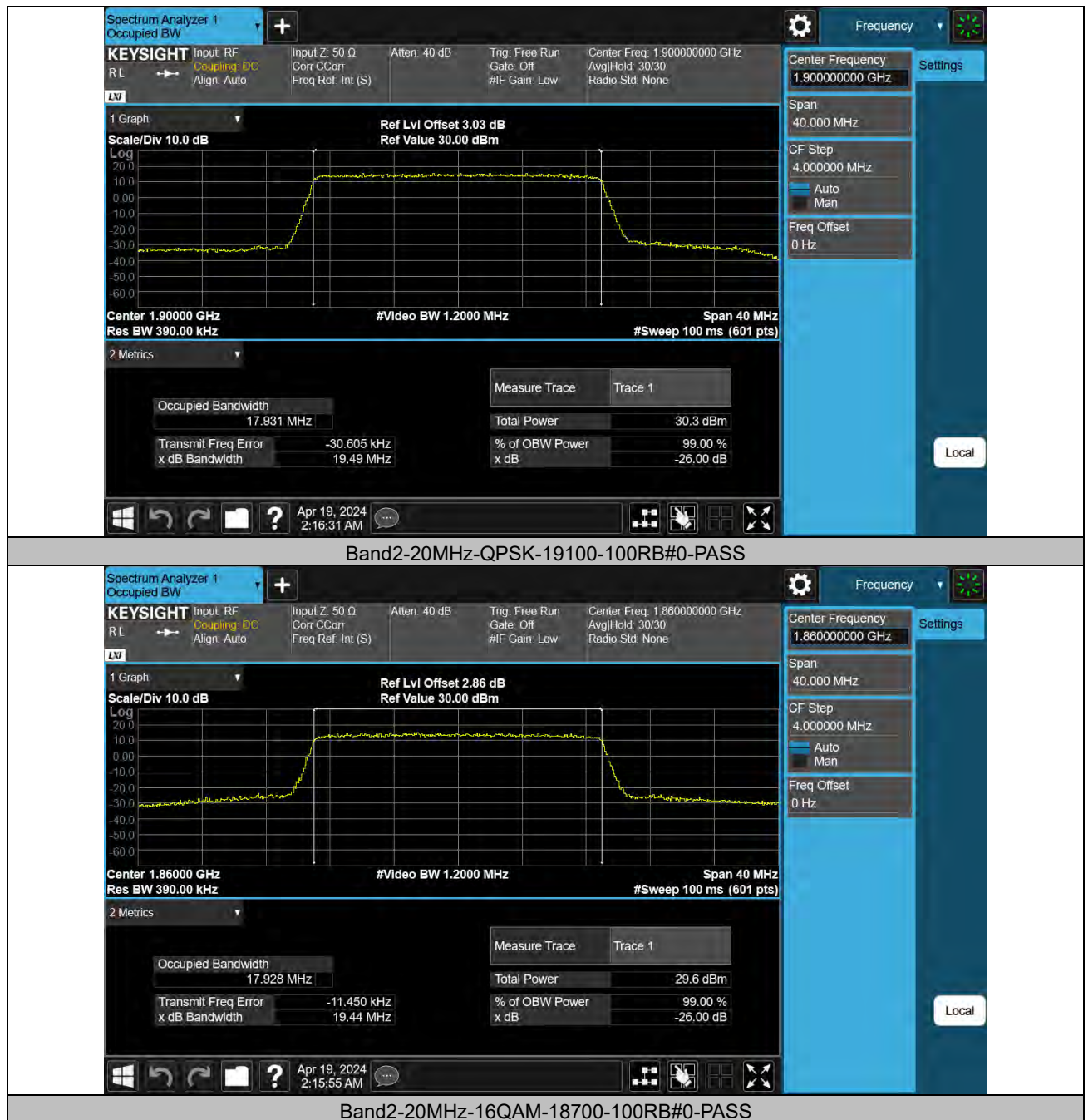
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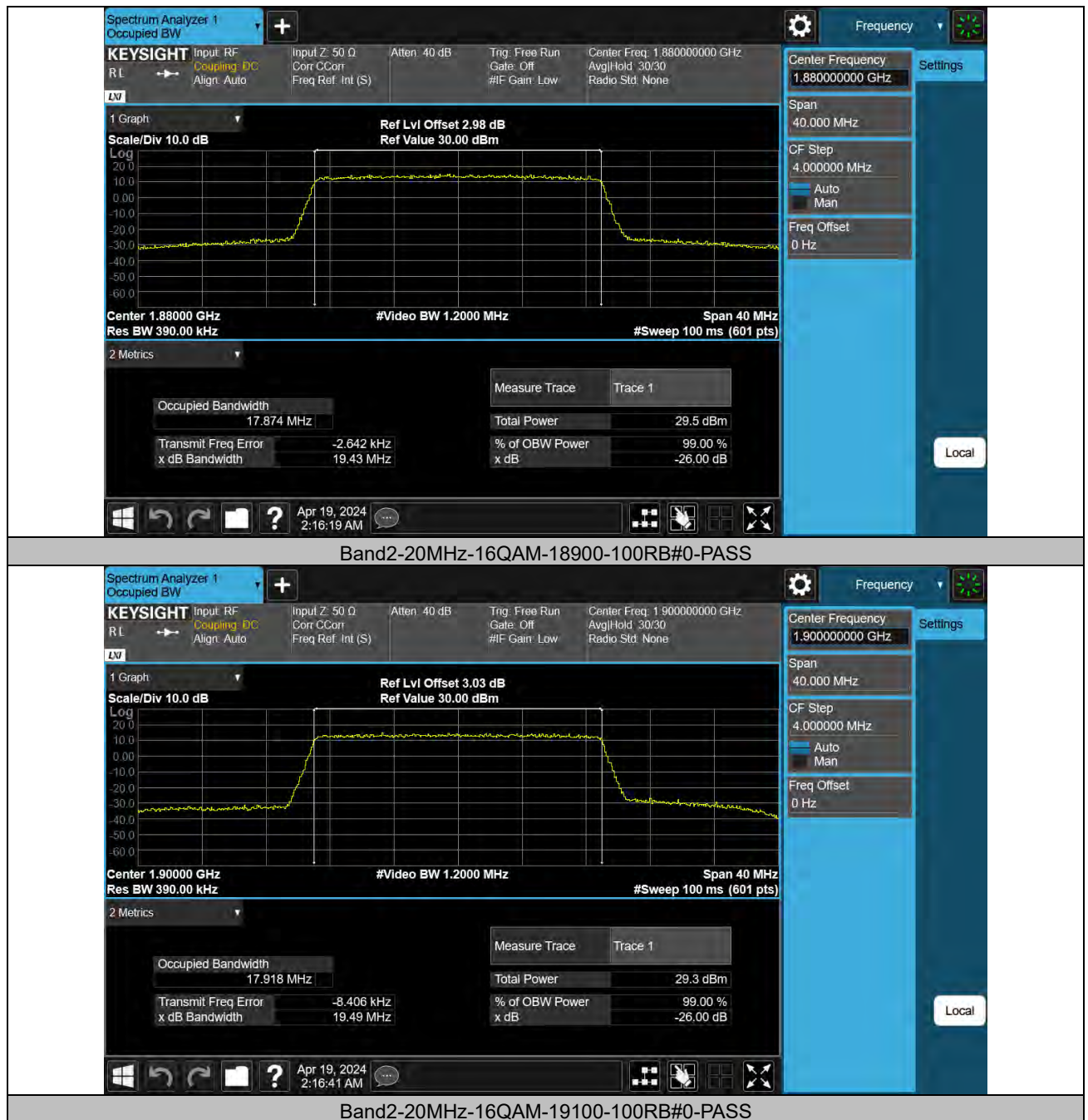
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BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-28.80	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-29.52	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-30.39	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-29.90	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-29.40	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-32.61	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-30.15	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-31.77	PASS
Band2	3MHz	QPSK	18615	1RB#0	-25.07	PASS
Band2	3MHz	QPSK	18615	15RB#0	-26.30	PASS
Band2	3MHz	QPSK	19185	1RB#14	-27.39	PASS
Band2	3MHz	QPSK	19185	15RB#0	-27.24	PASS
Band2	3MHz	16QAM	18615	1RB#0	-28.02	PASS
Band2	3MHz	16QAM	18615	15RB#0	-28.55	PASS
Band2	3MHz	16QAM	19185	1RB#14	-26.79	PASS
Band2	3MHz	16QAM	19185	15RB#0	-28.01	PASS
Band2	5MHz	QPSK	18625	1RB#0	-28.86	PASS
Band2	5MHz	QPSK	18625	25RB#0	-26.30	PASS
Band2	5MHz	QPSK	19175	1RB#0	-35.41	PASS
Band2	5MHz	QPSK	19175	1RB#24	-30.16	PASS
Band2	5MHz	QPSK	19175	25RB#0	-28.68	PASS
Band2	5MHz	16QAM	18625	1RB#0	-30.57	PASS
Band2	5MHz	16QAM	18625	25RB#0	-28.98	PASS
Band2	5MHz	16QAM	19175	1RB#24	-31.20	PASS
Band2	5MHz	16QAM	19175	25RB#0	-28.87	PASS
Band2	10MHz	QPSK	18650	1RB#0	-36.77	PASS
Band2	10MHz	QPSK	18650	50RB#0	-29.71	PASS
Band2	10MHz	QPSK	19150	1RB#49	-37.78	PASS
Band2	10MHz	QPSK	19150	50RB#0	-31.67	PASS
Band2	10MHz	16QAM	18650	1RB#0	-38.81	PASS
Band2	10MHz	16QAM	18650	50RB#0	-30.67	PASS
Band2	10MHz	16QAM	19150	1RB#49	-38.83	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.55	PASS
Band2	15MHz	QPSK	18675	1RB#0	-37.56	PASS
Band2	15MHz	QPSK	18675	75RB#0	-29.36	PASS
Band2	15MHz	QPSK	19125	1RB#74	-38.84	PASS
Band2	15MHz	QPSK	19125	75RB#0	-35.98	PASS
Band2	15MHz	16QAM	18675	1RB#0	-39.14	PASS
Band2	15MHz	16QAM	18675	75RB#0	-32.17	PASS
Band2	15MHz	16QAM	19125	1RB#74	-40.35	PASS
Band2	15MHz	16QAM	19125	75RB#0	-34.45	PASS
Band2	20MHz	QPSK	18700	1RB#0	-38.61	PASS
Band2	20MHz	QPSK	18700	100RB#0	-34.27	PASS
Band2	20MHz	QPSK	19100	1RB#99	-39.08	PASS
Band2	20MHz	QPSK	19100	100RB#0	-35.28	PASS



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Band2	20MHz	16QAM	18700	1RB#0	-39.97	PASS
Band2	20MHz	16QAM	18700	100RB#0	-34.49	PASS
Band2	20MHz	16QAM	19100	1RB#99	-40.10	PASS
Band2	20MHz	16QAM	19100	100RB#0	-35.37	PASS



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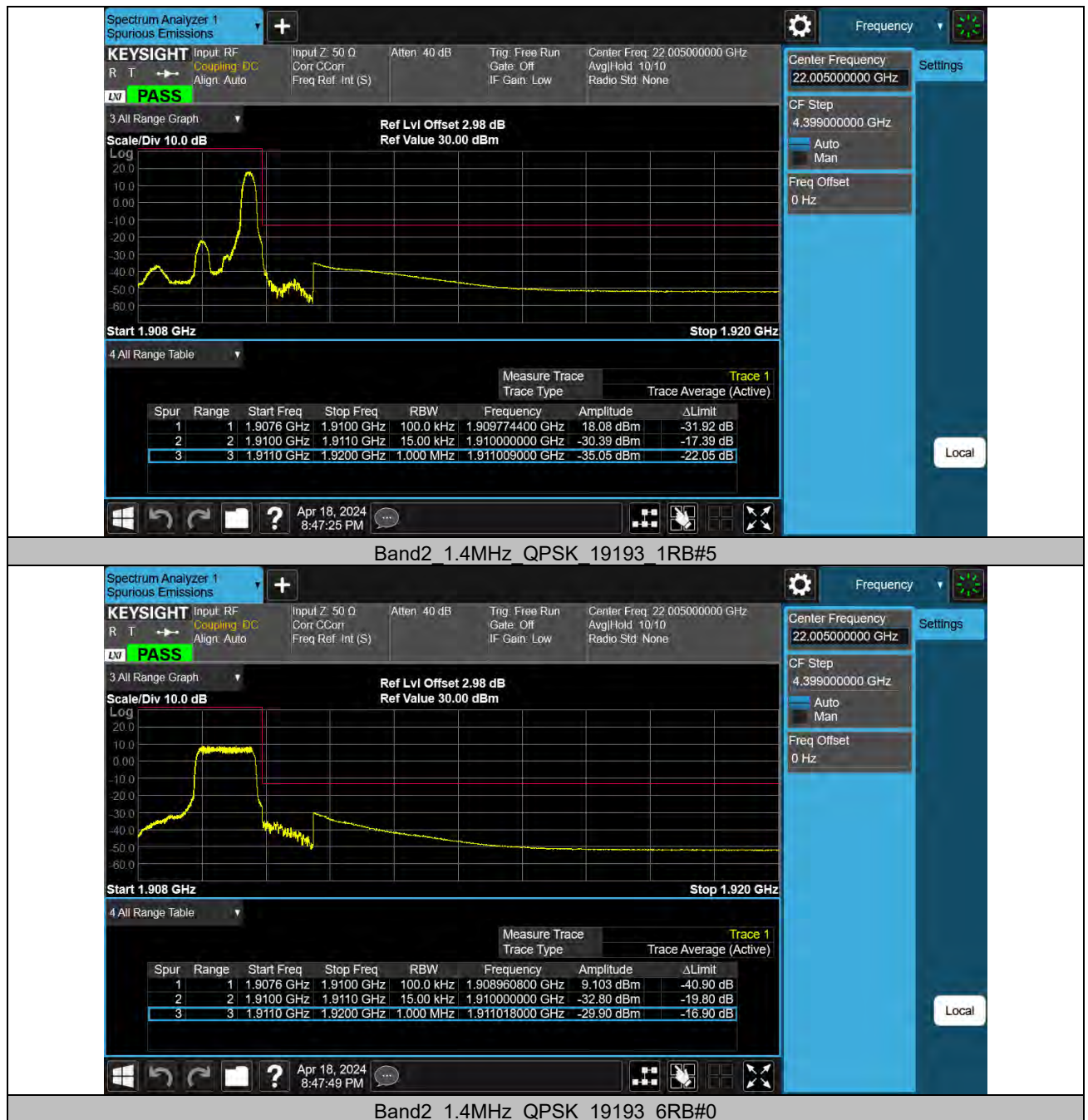
Test Graphs





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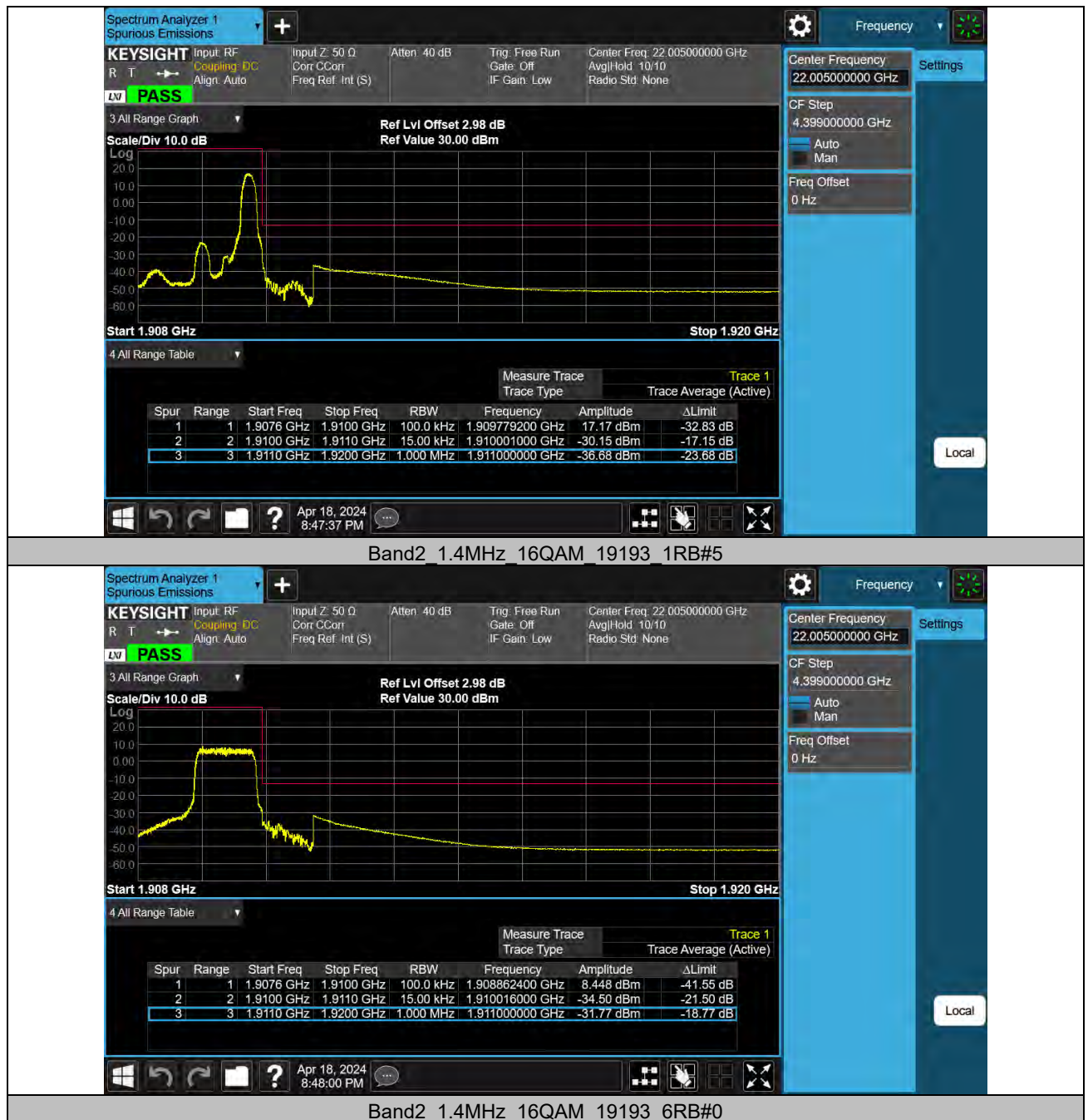
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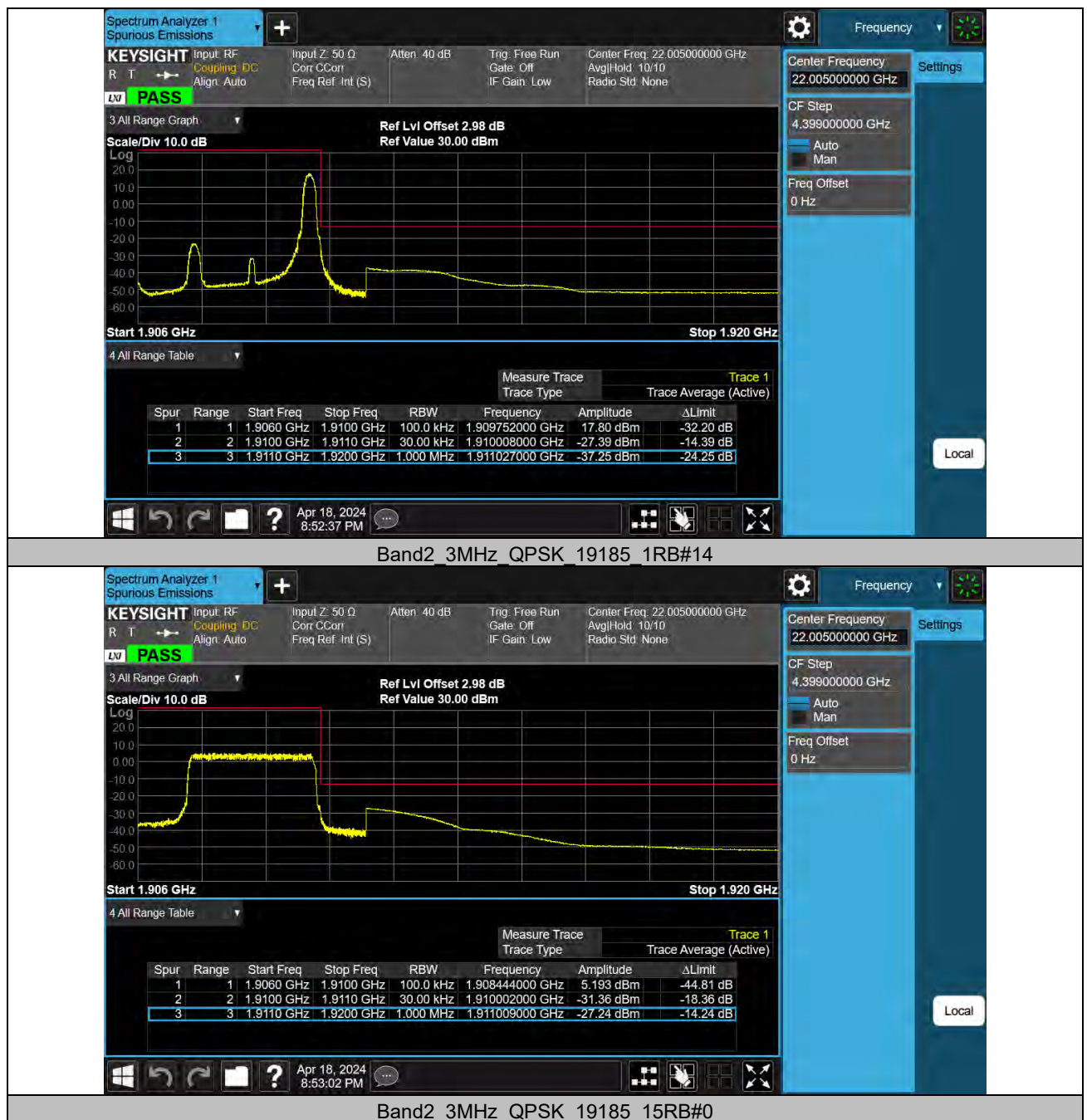
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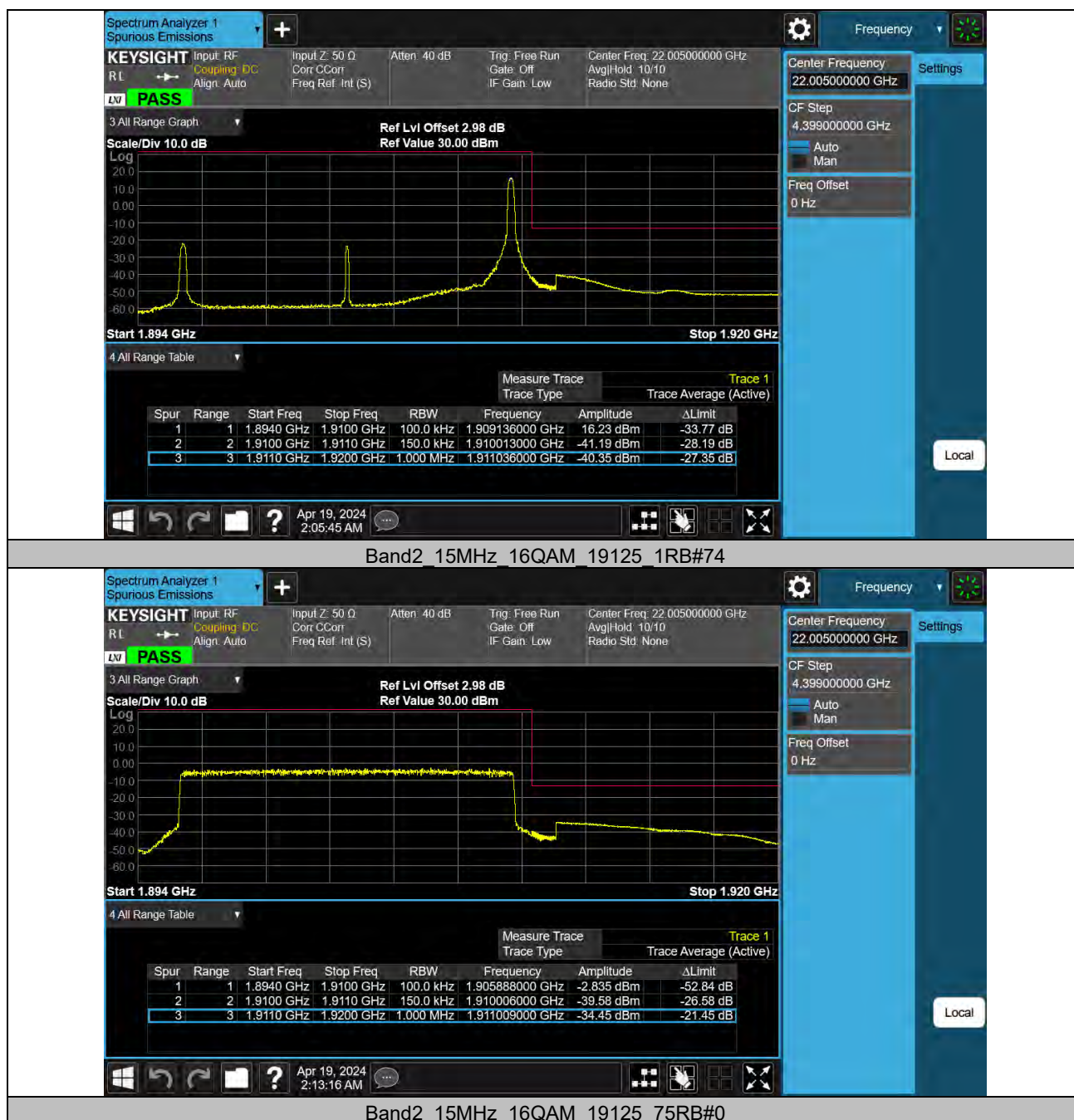
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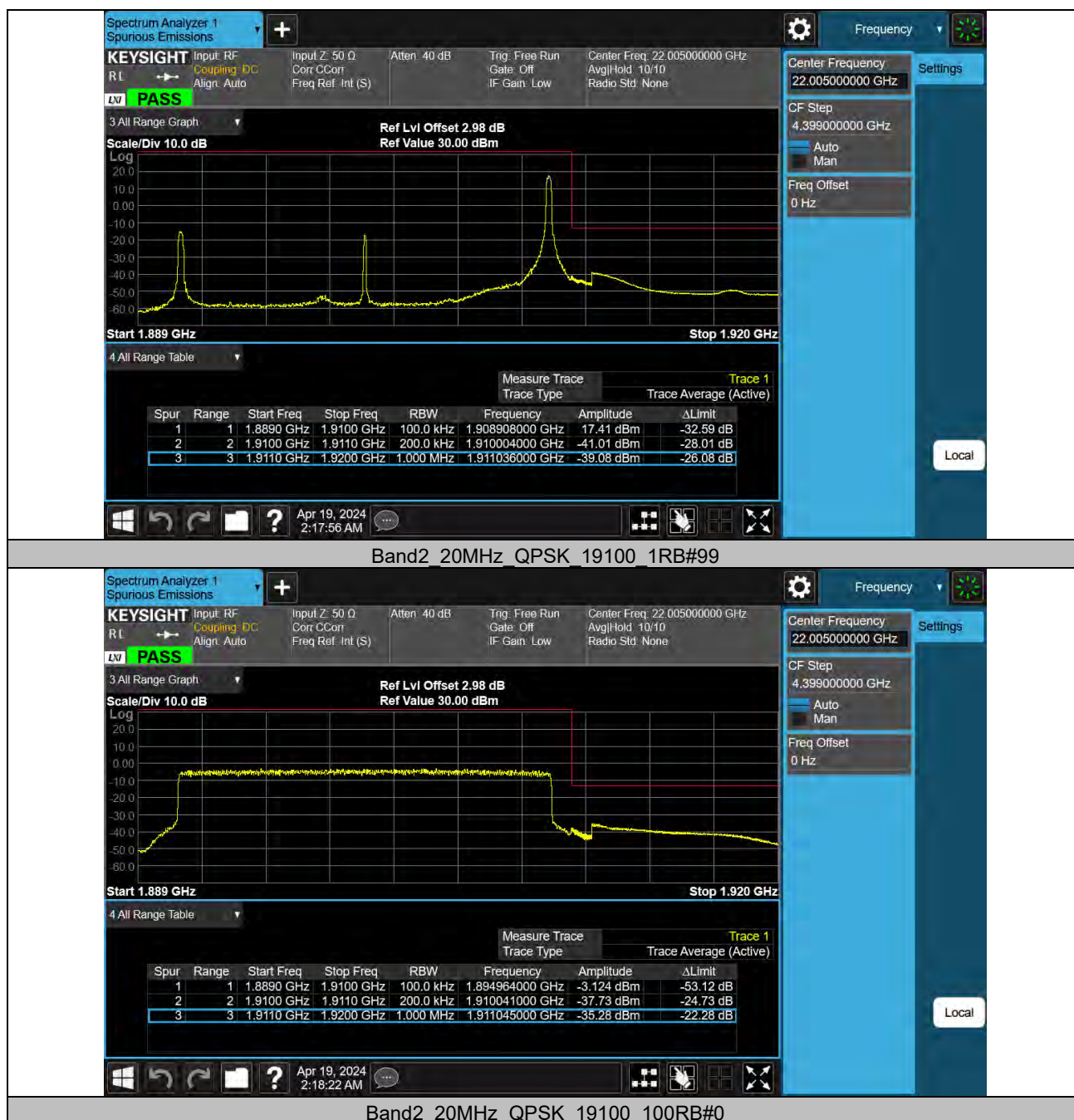
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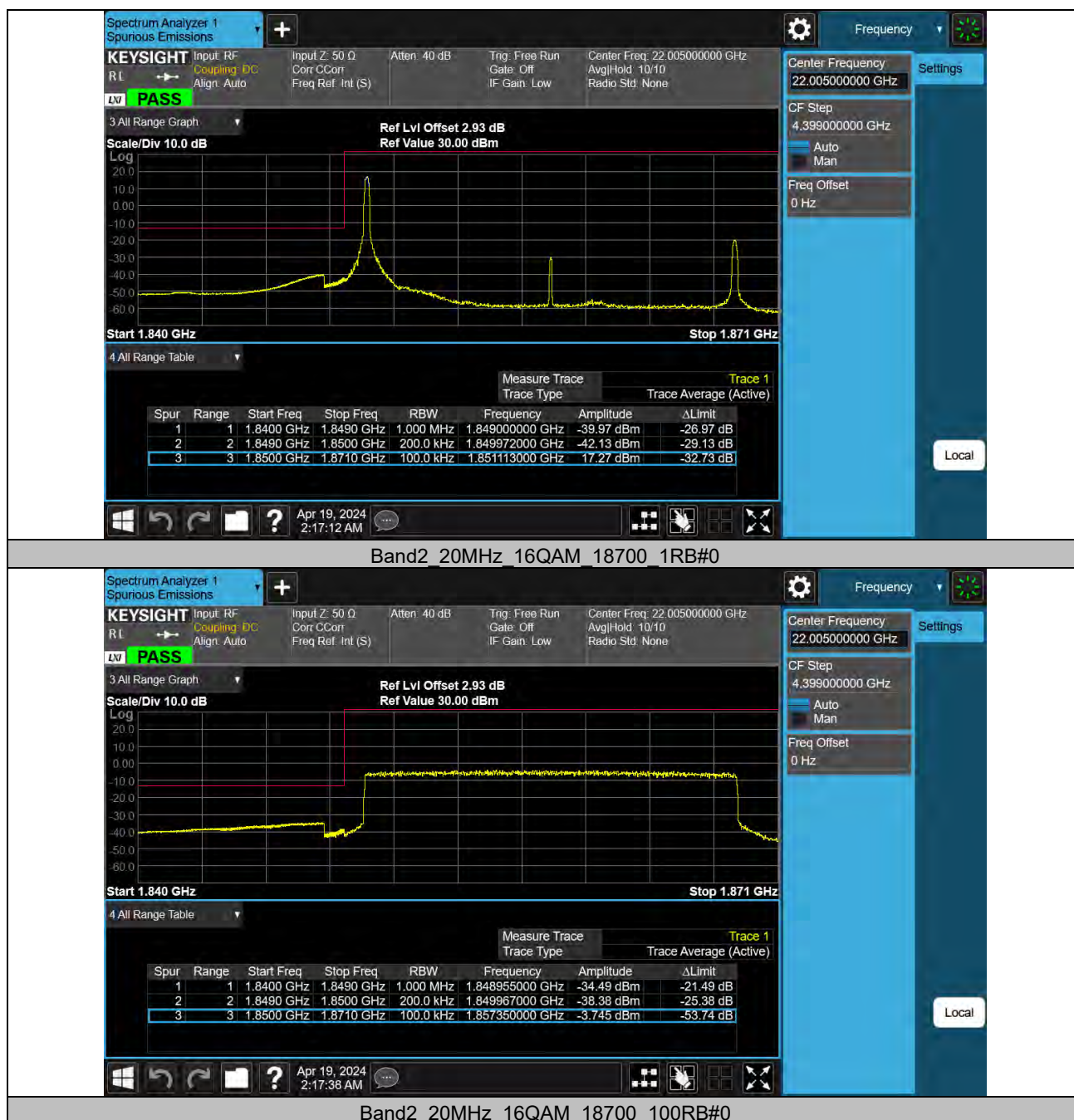
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CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	30~1000	-59.57	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~20000	-33.95	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000	-59.58	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~20000	-32.89	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000	-59.61	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~20000	-34.20	PASS
Band2	3MHz	QPSK	18615	1RB#0	30~1000	-59.54	PASS
Band2	3MHz	QPSK	18615	1RB#0	1000~20000	-45.67	PASS
Band2	3MHz	QPSK	18900	1RB#0	30~1000	-59.60	PASS
Band2	3MHz	QPSK	18900	1RB#0	1000~20000	-45.77	PASS
Band2	3MHz	QPSK	19185	1RB#0	30~1000	-59.61	PASS
Band2	3MHz	QPSK	19185	1RB#0	1000~20000	-45.54	PASS
Band2	5MHz	QPSK	18625	1RB#0	30~1000	-59.57	PASS
Band2	5MHz	QPSK	18625	1RB#0	1000~20000	-46.01	PASS
Band2	5MHz	QPSK	18625	1RB#24	30~1000	-59.59	PASS
Band2	5MHz	QPSK	18625	1RB#24	1000~20000	-46.07	PASS
Band2	5MHz	QPSK	18625	25RB#0	30~1000	-59.60	PASS
Band2	5MHz	QPSK	18625	25RB#0	1000~20000	-40.71	PASS
Band2	5MHz	QPSK	18900	1RB#0	30~1000	-59.63	PASS
Band2	5MHz	QPSK	18900	1RB#0	1000~20000	-46.22	PASS
Band2	5MHz	QPSK	18900	1RB#24	30~1000	-59.62	PASS
Band2	5MHz	QPSK	18900	1RB#24	1000~20000	-46.18	PASS
Band2	5MHz	QPSK	18900	25RB#0	30~1000	-59.63	PASS
Band2	5MHz	QPSK	18900	25RB#0	1000~20000	-39.67	PASS
Band2	5MHz	QPSK	19175	1RB#0	30~1000	-59.65	PASS
Band2	5MHz	QPSK	19175	1RB#0	1000~20000	-44.82	PASS
Band2	5MHz	QPSK	19175	1RB#24	30~1000	-59.63	PASS
Band2	5MHz	QPSK	19175	1RB#24	1000~20000	-45.97	PASS
Band2	5MHz	QPSK	19175	25RB#0	30~1000	-59.60	PASS
Band2	5MHz	QPSK	19175	25RB#0	1000~20000	-40.42	PASS
Band2	10MHz	QPSK	18650	1RB#0	30~1000	-59.65	PASS
Band2	10MHz	QPSK	18650	1RB#0	1000~20000	-45.30	PASS
Band2	10MHz	QPSK	18900	1RB#0	30~1000	-59.67	PASS
Band2	10MHz	QPSK	18900	1RB#0	1000~20000	-46.02	PASS
Band2	10MHz	QPSK	19150	1RB#0	30~1000	-59.68	PASS
Band2	10MHz	QPSK	19150	1RB#0	1000~20000	-44.84	PASS
Band2	15MHz	QPSK	18675	1RB#0	30~1000	-59.64	PASS
Band2	15MHz	QPSK	18675	1RB#0	1000~20000	-45.64	PASS
Band2	15MHz	QPSK	18900	1RB#0	30~1000	-59.65	PASS
Band2	15MHz	QPSK	18900	1RB#0	1000~20000	-46.31	PASS
Band2	15MHz	QPSK	19125	1RB#0	30~1000	-59.61	PASS
Band2	15MHz	QPSK	19125	1RB#0	1000~20000	-45.18	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000	-59.54	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~20000	-45.60	PASS



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Band2	20MHz	QPSK	18900	1RB#0	30~1000	-59.62	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~20000	-45.61	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000	-59.58	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~20000	-45.33	PASS



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Test Graphs





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