

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-59.04	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~10000	-48.99	PASS
Band41	5MHz	QPSK	39675	1RB#0	10000~20000	-56.39	PASS
Band41	5MHz	QPSK	39675	1RB#0	20000~27000	-54.34	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-55.23	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~10000	-48.43	PASS
Band41	5MHz	QPSK	40620	1RB#0	10000~20000	-56.18	PASS
Band41	5MHz	QPSK	40620	1RB#0	20000~27000	-54.21	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-52.78	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~10000	-48.47	PASS
Band41	5MHz	QPSK	41565	1RB#0	10000~20000	-56.10	PASS
Band41	5MHz	QPSK	41565	1RB#0	20000~27000	-54.15	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-58.72	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~10000	-48.25	PASS
Band41	10MHz	QPSK	39700	1RB#0	10000~20000	-56.29	PASS
Band41	10MHz	QPSK	39700	1RB#0	20000~27000	-54.44	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-58.64	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~10000	-48.28	PASS
Band41	10MHz	QPSK	40620	1RB#0	10000~20000	-56.19	PASS
Band41	10MHz	QPSK	40620	1RB#0	20000~27000	-54.24	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-52.37	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~10000	-48.11	PASS
Band41	10MHz	QPSK	41540	1RB#0	10000~20000	-55.89	PASS
Band41	10MHz	QPSK	41540	1RB#0	20000~27000	-53.99	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-58.55	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~10000	-47.99	PASS
Band41	15MHz	QPSK	39725	1RB#0	10000~20000	-55.47	PASS
Band41	15MHz	QPSK	39725	1RB#0	20000~27000	-53.28	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-58.19	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~10000	-47.99	PASS
Band41	15MHz	QPSK	40620	1RB#0	10000~20000	-55.55	PASS
Band41	15MHz	QPSK	40620	1RB#0	20000~27000	-53.60	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-52.78	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~10000	-48.08	PASS
Band41	15MHz	QPSK	41515	1RB#0	10000~20000	-55.35	PASS
Band41	15MHz	QPSK	41515	1RB#0	20000~27000	-53.35	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-58.51	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~10000	-47.93	PASS
Band41	20MHz	QPSK	39750	1RB#0	10000~20000	-55.53	PASS
Band41	20MHz	QPSK	39750	1RB#0	20000~27000	-53.46	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-58.25	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~10000	-47.96	PASS
Band41	20MHz	QPSK	40620	1RB#0	10000~20000	-55.64	PASS
Band41	20MHz	QPSK	40620	1RB#0	20000~27000	-53.45	PASS

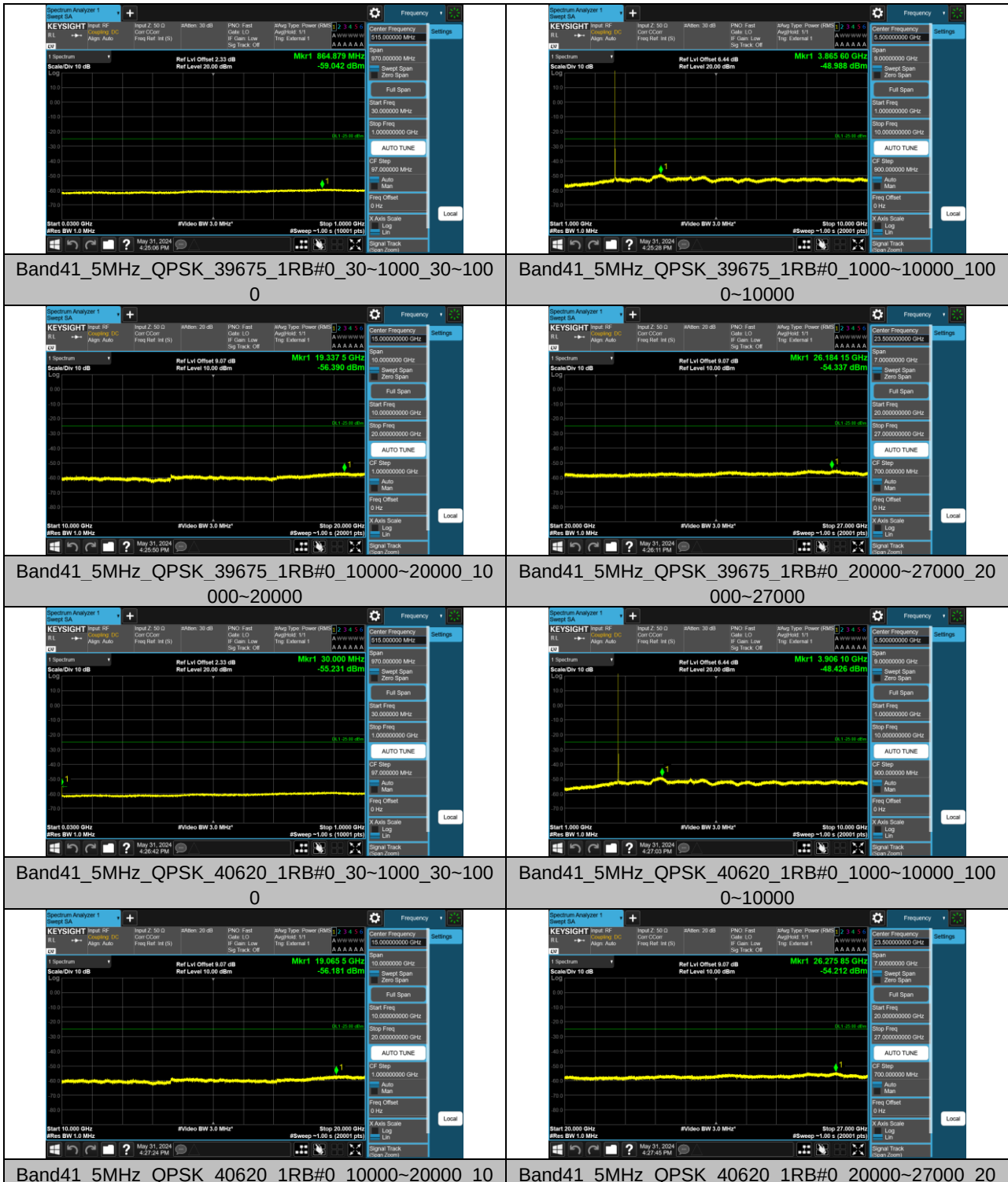


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Band41	20MHz	QPSK	41490	1RB#0	30~1000	-52.70	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~10000	-47.46	PASS
Band41	20MHz	QPSK	41490	1RB#0	10000~20000	-55.55	PASS
Band41	20MHz	QPSK	41490	1RB#0	20000~27000	-53.58	PASS

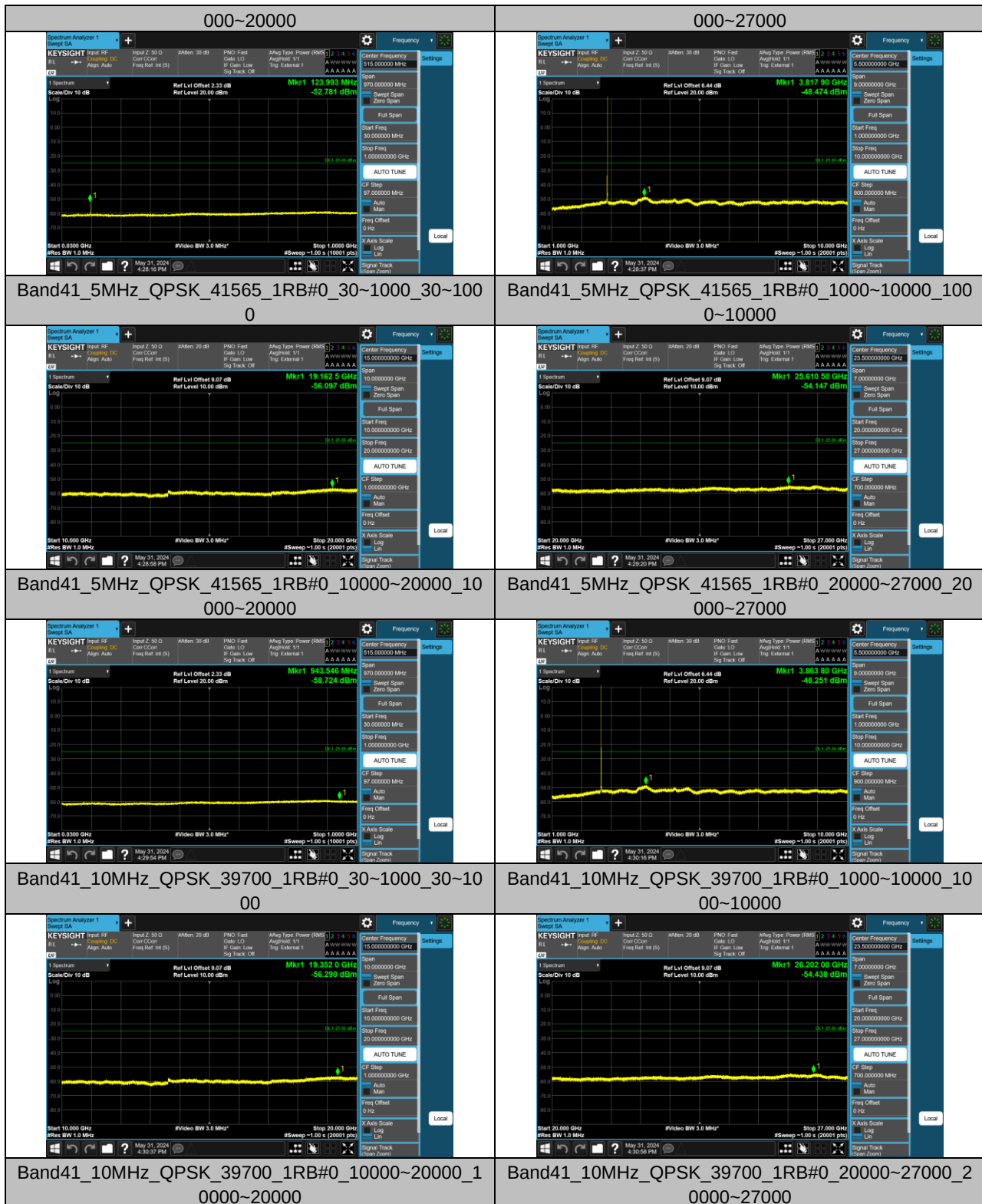
TEST GRAPHS

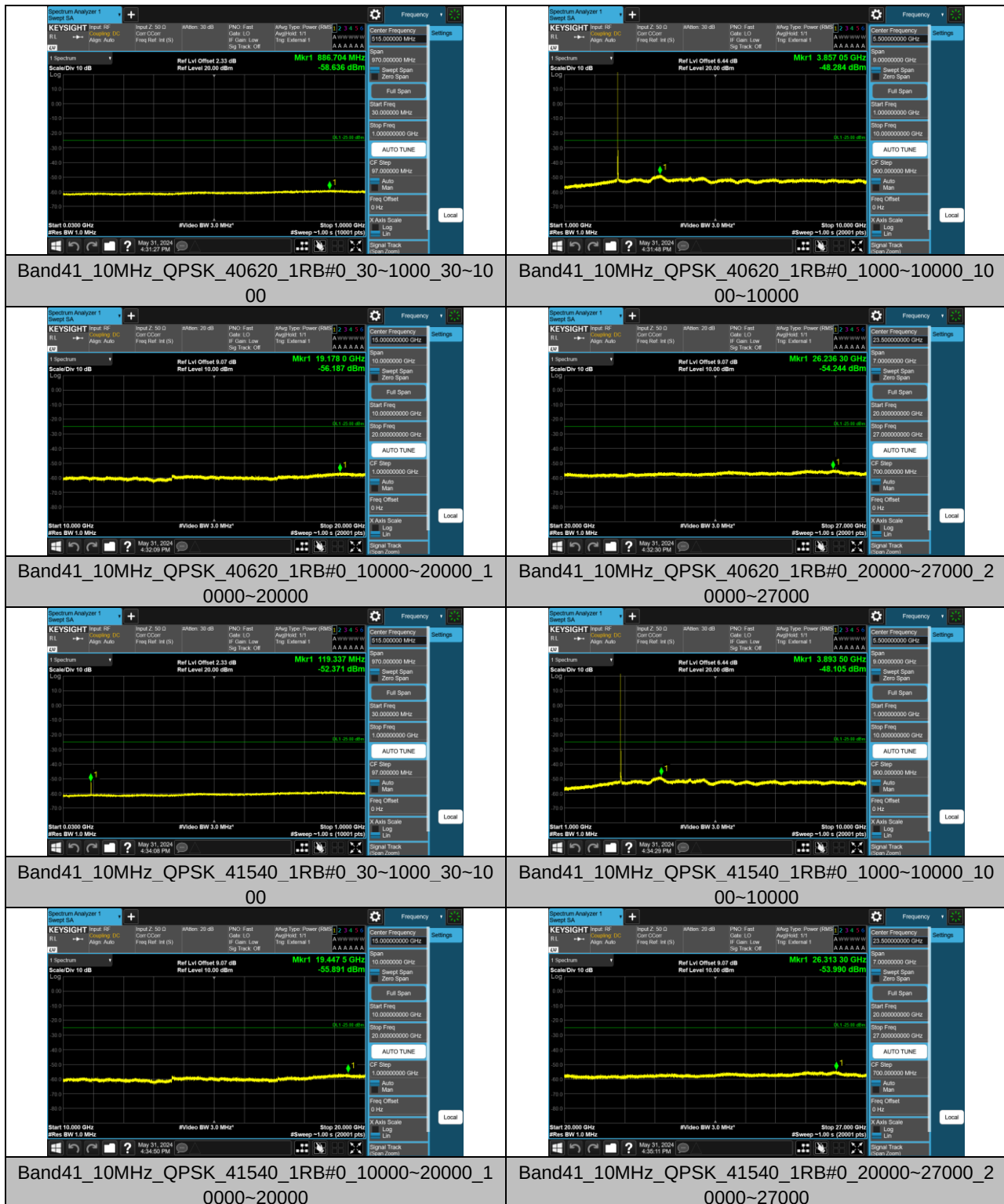




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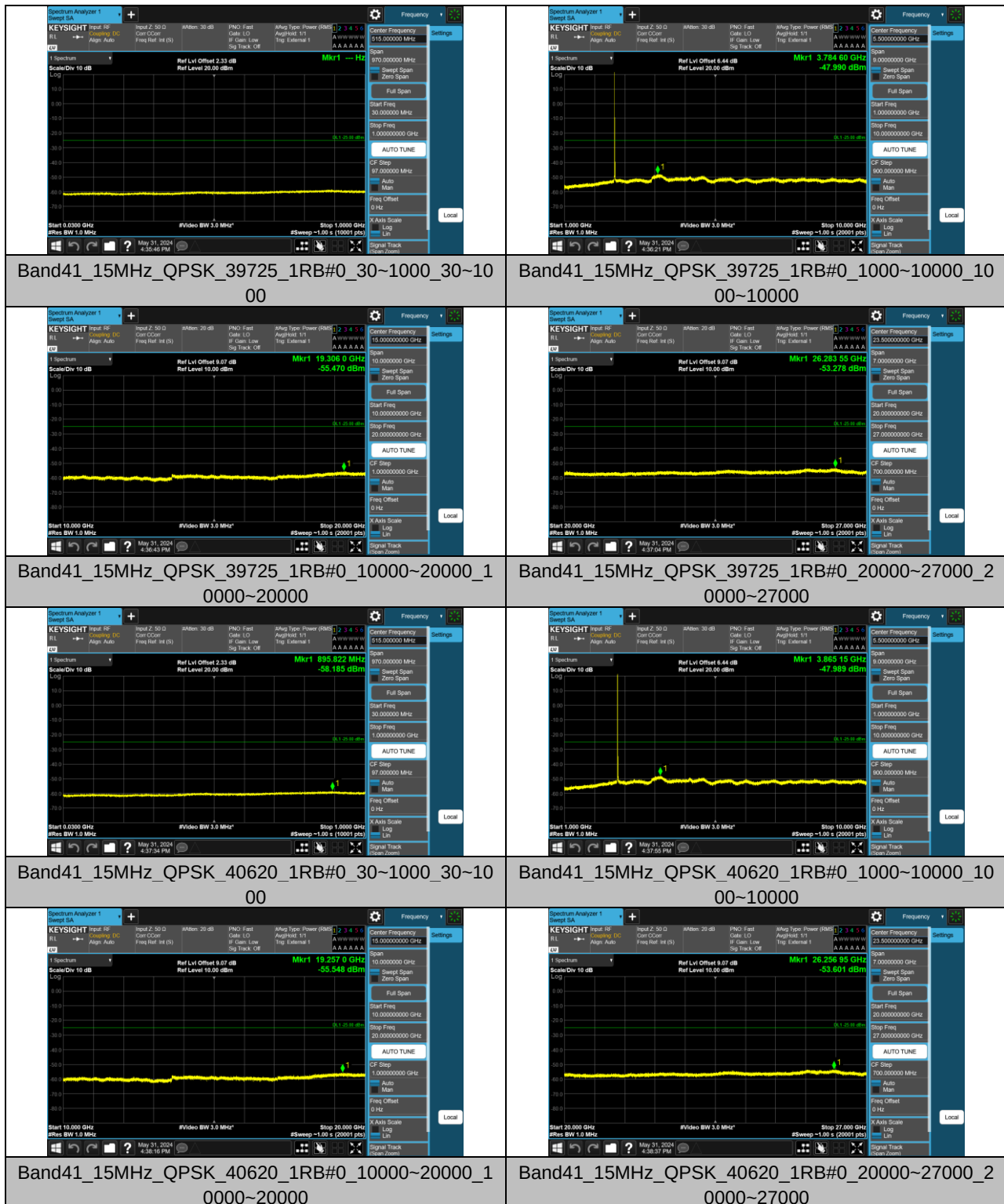


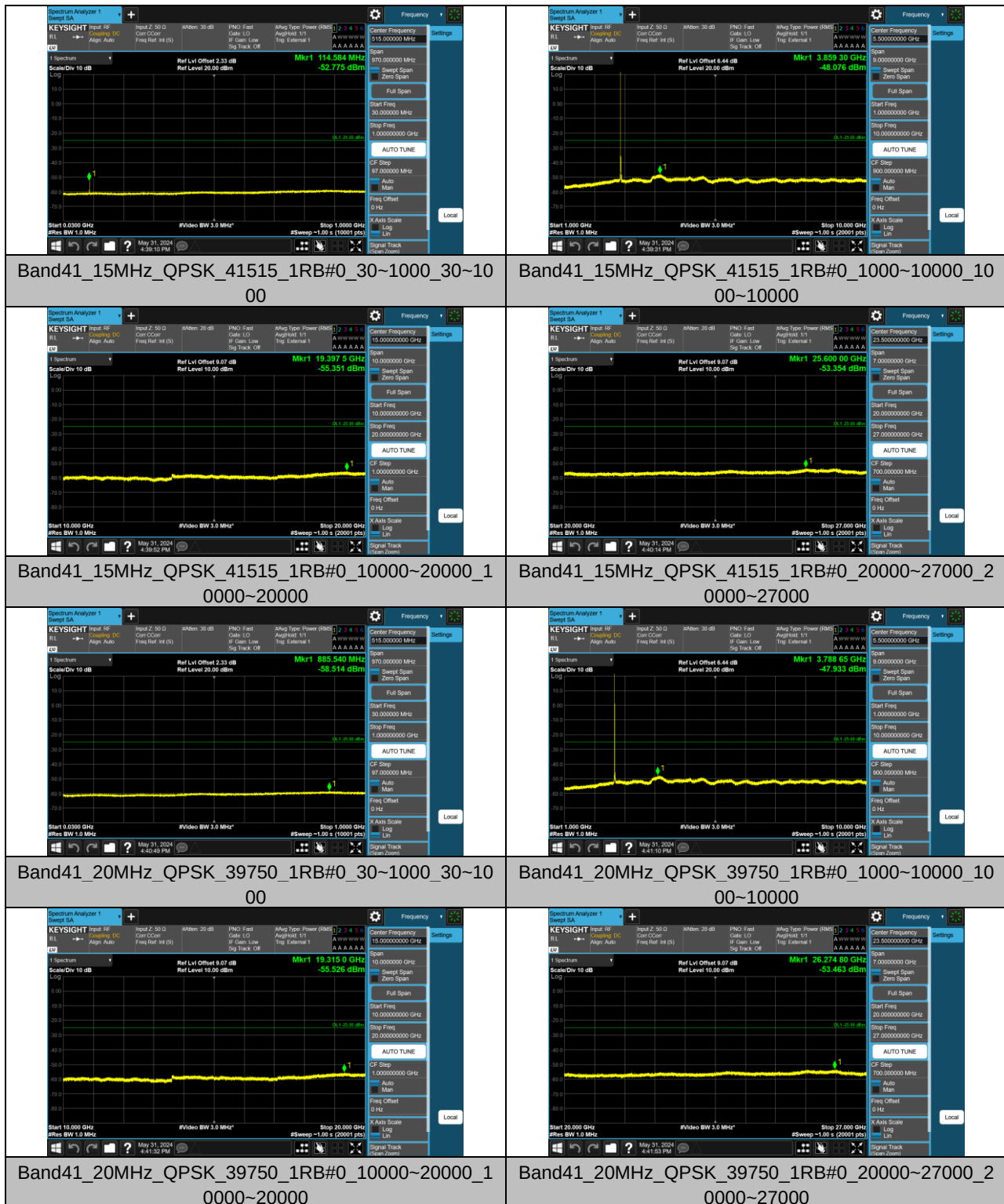




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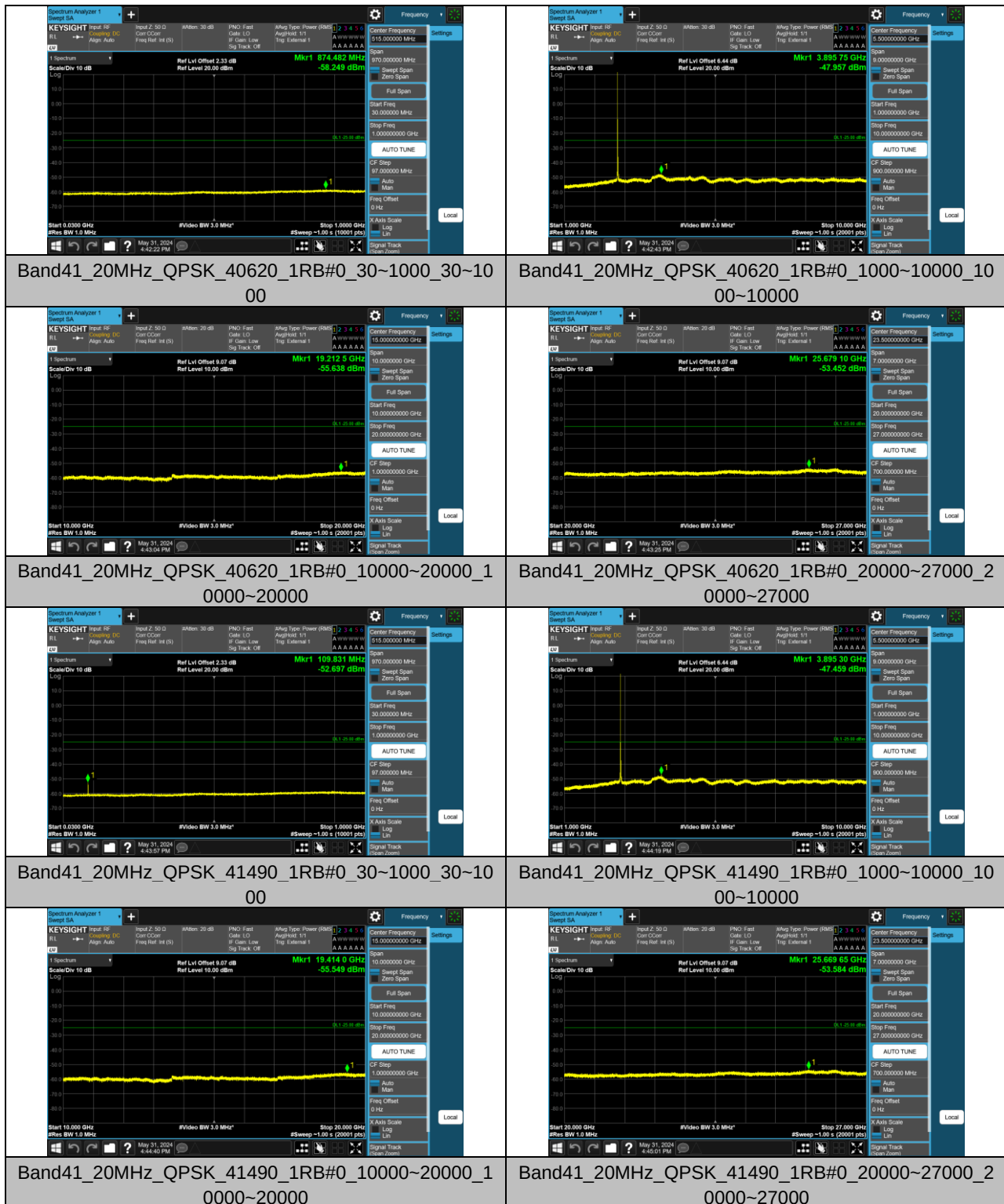
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FREQUENCY STABILITY TEST RESULT

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4_1	10MHz	QPSK	39700	50RB#0	VN	NT	910.67	0.36	2496.53445	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	VL	NT	824.40	0.33	2496.54136	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	VH	NT	720.57	0.29	2496.54355	--	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	VN	NT	881.23	0.33	--	2689.47879	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	VL	NT	789.60	0.29	--	2689.47938	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	VH	NT	770.28	0.29	--	2689.4824	2496-2690	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4_1	10MHz	QPSK	39700	50RB#0	NV	-30	945.86	0.38	2496.53948	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	-20	834.68	0.33	2496.54053	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	-10	815.86	0.33	2496.53924	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	0	661.39	0.26	2496.53549	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	10	598.53	0.24	2496.53881	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	20	564.67	0.23	2496.53505	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	30	460.42	0.18	2496.54225	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	40	313.59	0.13	2496.54435	--	2496-2690	PASS
Band4_1	10MHz	QPSK	39700	50RB#0	NV	50	270.29	0.11	2496.53978	--	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	NV	-30	903.69	0.34	--	2689.47751	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	NV	-20	862.36	0.32	--	2689.47842	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	NV	-10	855.28	0.32	--	2689.4781	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	NV	0	617.56	0.23	--	2689.47934	2496-2690	PASS
Band4_1	10MHz	QPSK	41540	50RB#0	NV	10	403.5	0.15	--	2689.	2496-	PASS



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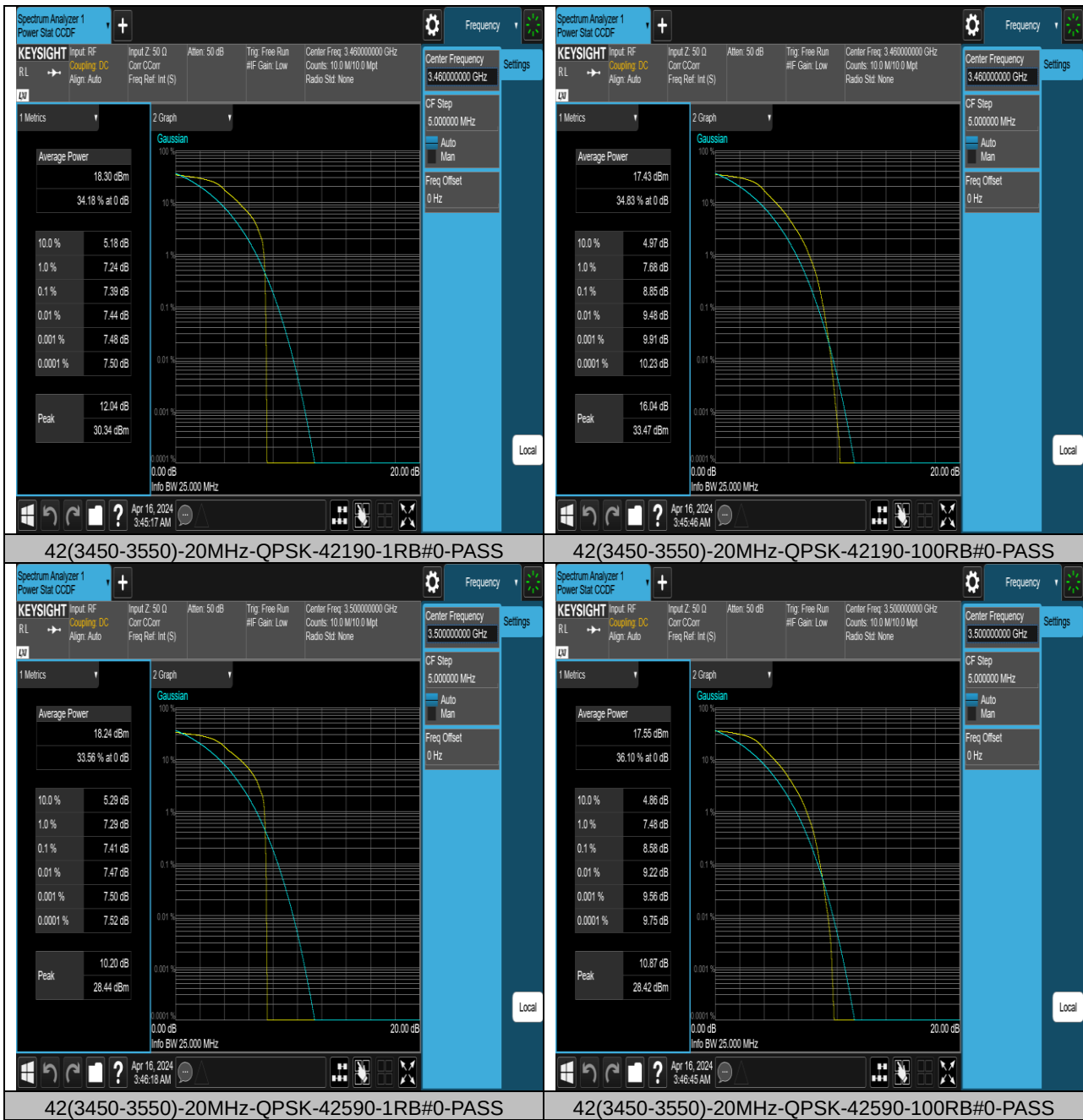
1	z			#0			8			4784	2690	
Band4 1	10MH z	QPSK	41540	50RB #0	NV	20	233.5 9	0.09	--	2689. 48563	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	30	-3.36	0.00	--	2689. 47732	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	40	-125.0 4	-0.05	--	2689. 48109	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	50	-206.1 0	-0.08	--	2689. 4799	2496- 2690	PASS

LTE BAND 42

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
42(3450-3550)	20MHz	QPSK	42190	1RB#0	7.39	13	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	8.85	13	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	7.41	13	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	8.58	13	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	7.37	13	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	8.92	13	PASS
42(3450-3550)	20MHz	16QAM	42190	1RB#0	9.68	13	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	9.66	13	PASS
42(3450-3550)	20MHz	16QAM	42590	1RB#0	9.56	13	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	9.64	13	PASS
42(3450-3550)	20MHz	16QAM	42990	1RB#0	8.96	13	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	9.67	13	PASS

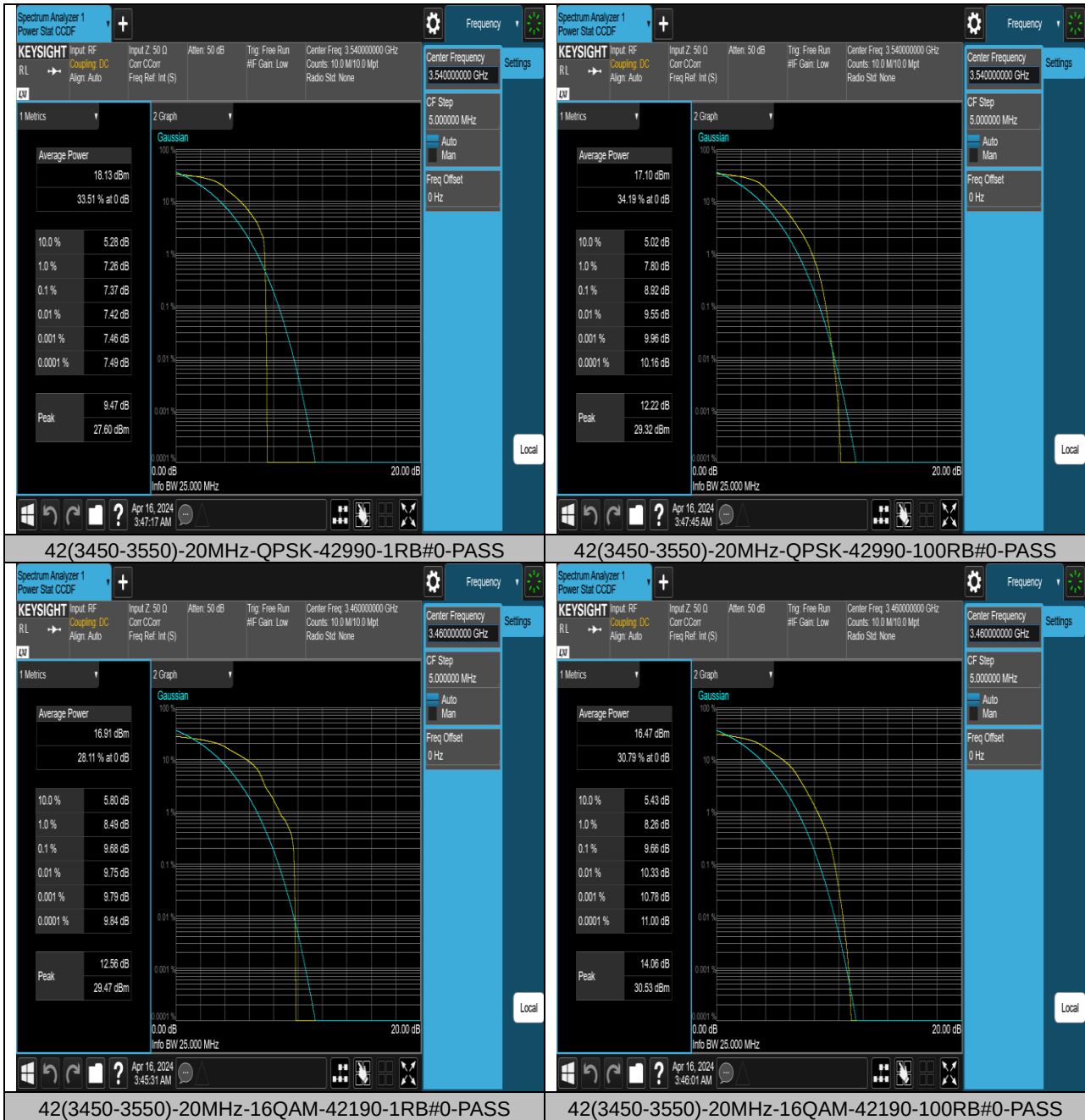
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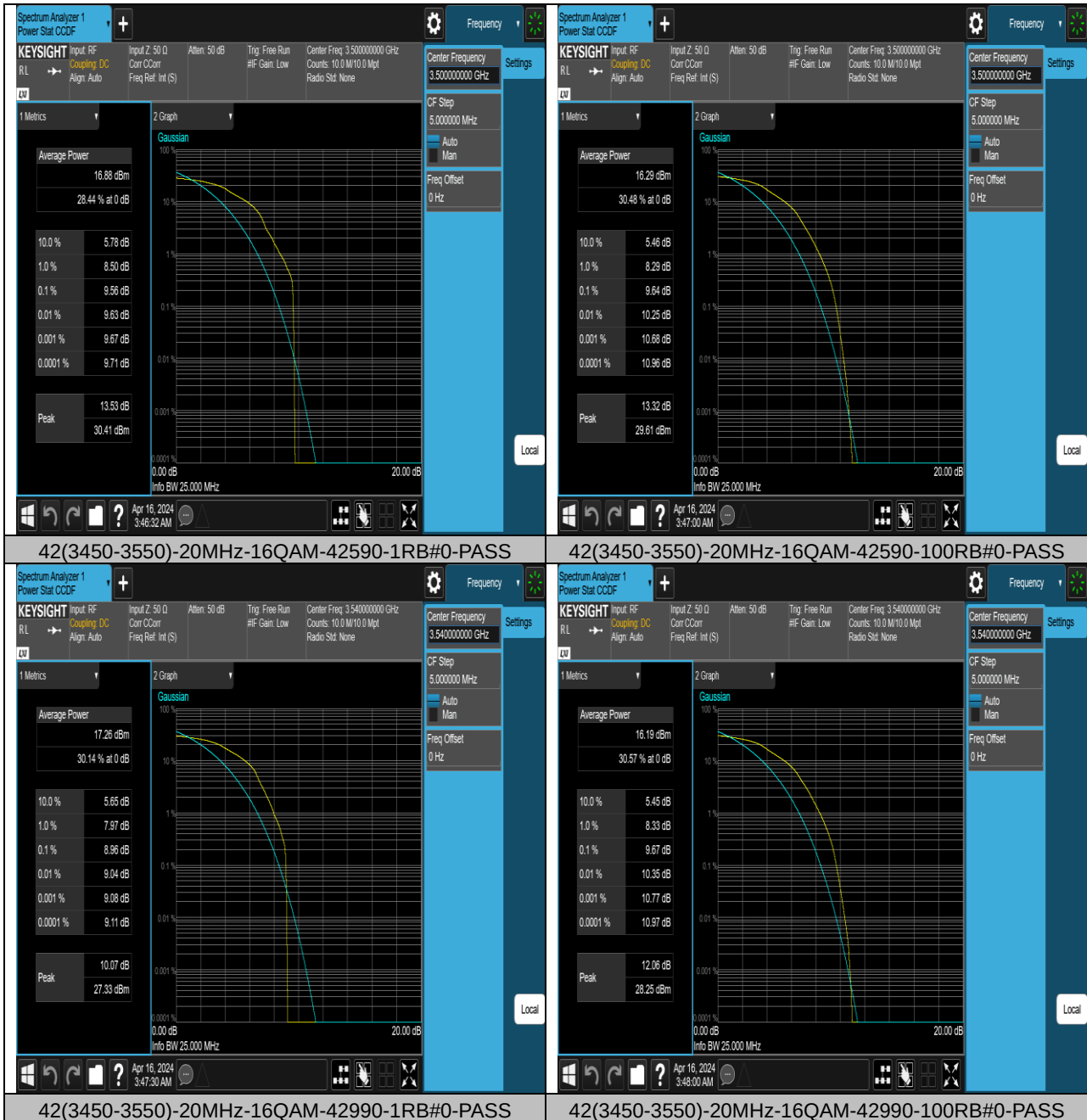
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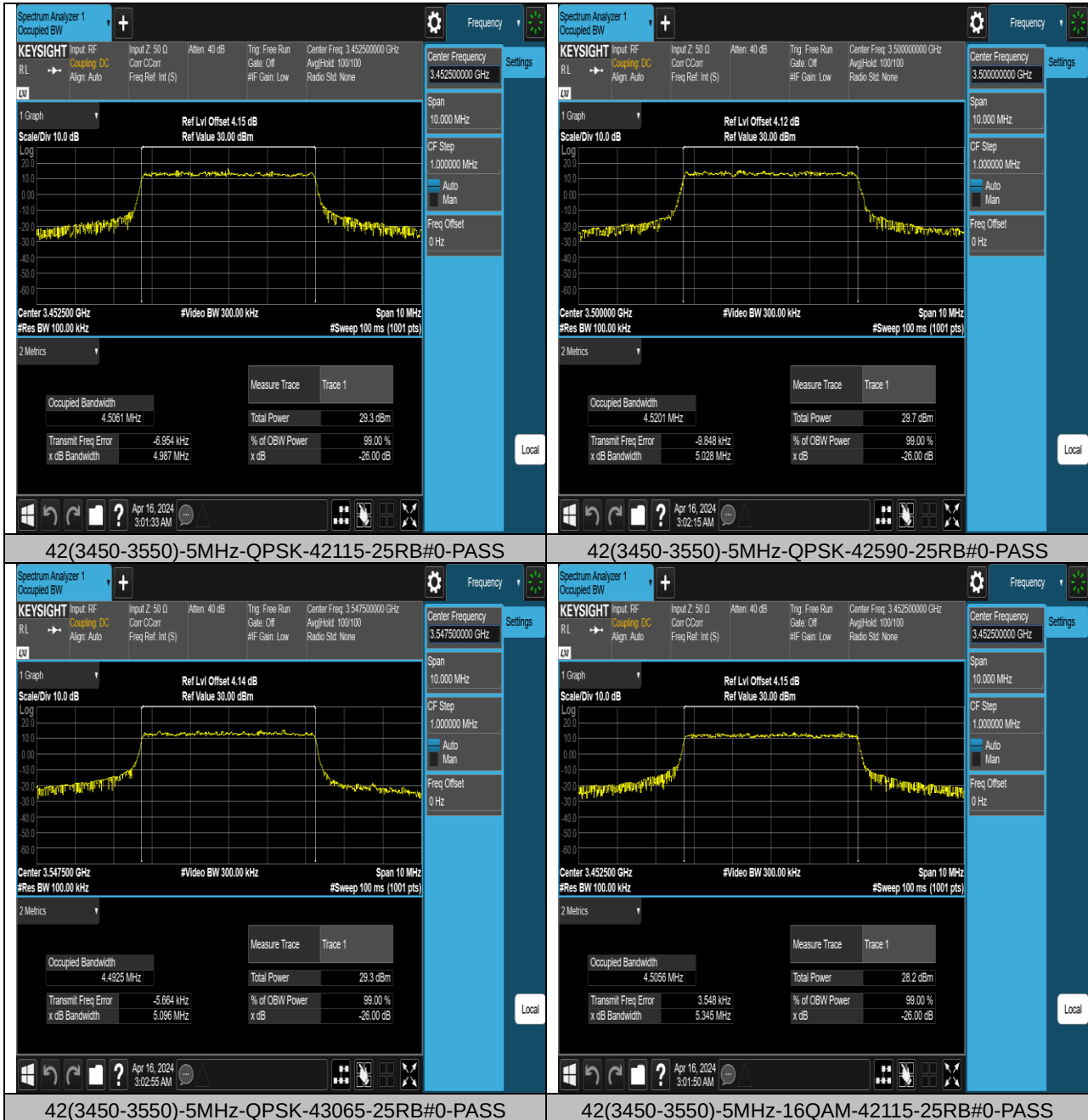
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26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
42(3450-3550)	5MHz	QPSK	42115	25RB#0	4.5061	4.987	PASS
42(3450-3550)	5MHz	QPSK	42590	25RB#0	4.5201	5.028	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	4.4925	5.096	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	4.5056	5.345	PASS
42(3450-3550)	5MHz	16QAM	42590	25RB#0	4.4974	4.978	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	4.5001	4.987	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	8.9993	10.20	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	9.0065	10.31	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	8.9985	10.17	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	8.9994	10.50	PASS
42(3450-3550)	10MHz	16QAM	42590	50RB#0	8.9935	10.55	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	9.0015	10.40	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	13.465	15.53	PASS
42(3450-3550)	15MHz	QPSK	42590	75RB#0	13.486	14.67	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	13.472	14.78	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	13.510	16.16	PASS
42(3450-3550)	15MHz	16QAM	42590	75RB#0	13.479	14.74	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	13.475	15.25	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	18.001	20.42	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	17.990	20.50	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	17.936	19.44	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	17.943	19.90	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	17.950	20.84	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	17.969	21.53	PASS

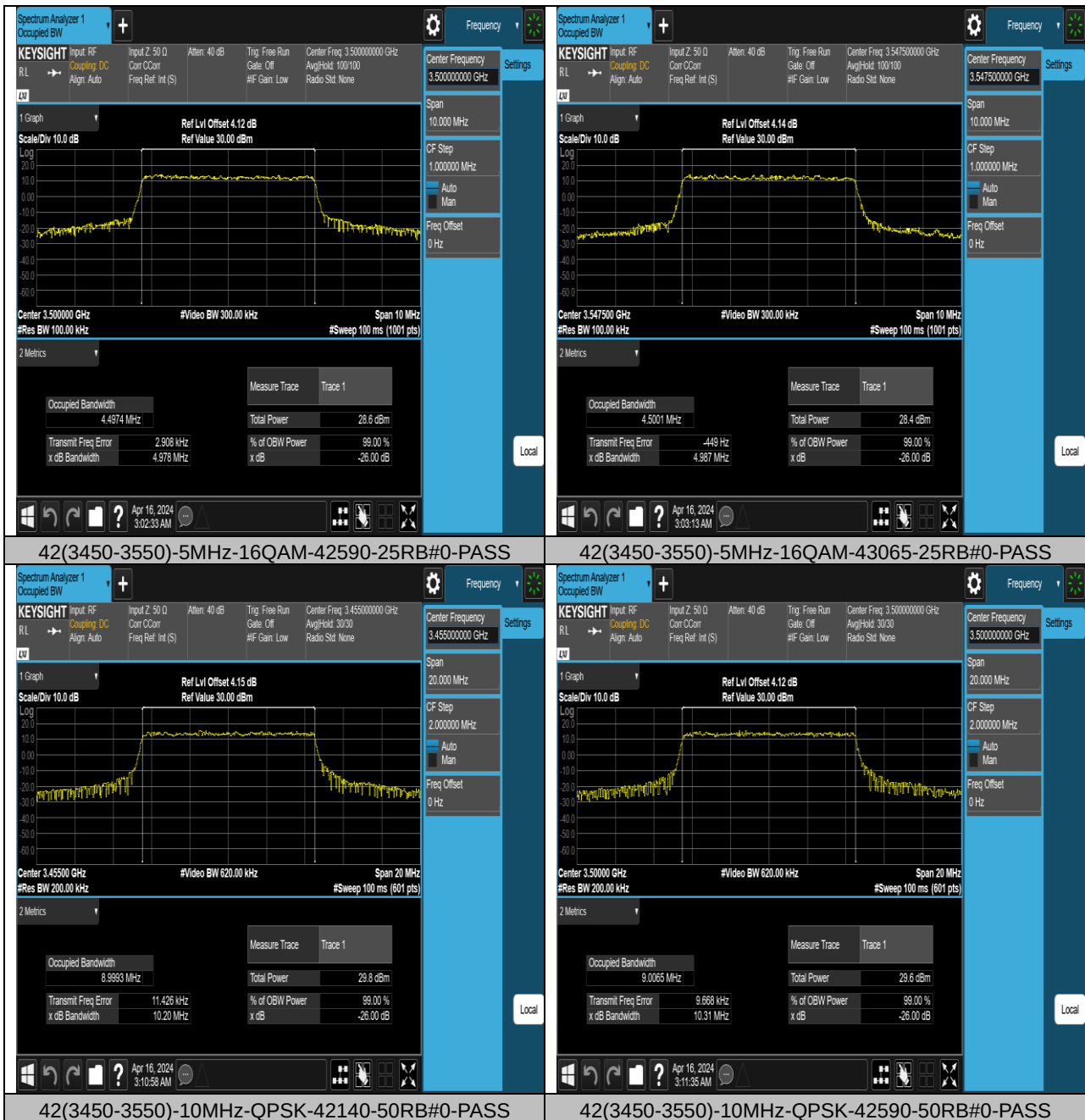
TEST GRAPHS

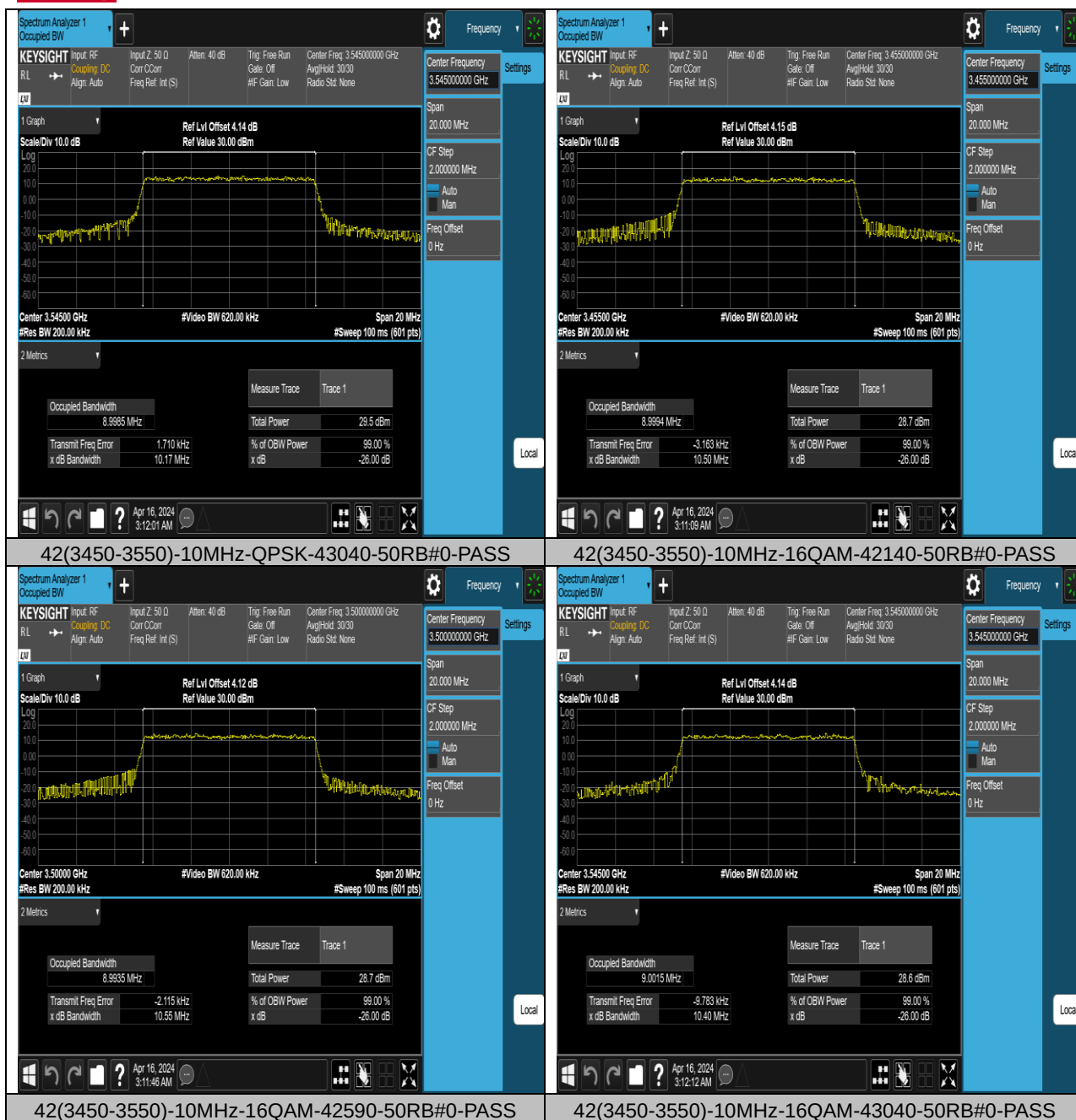




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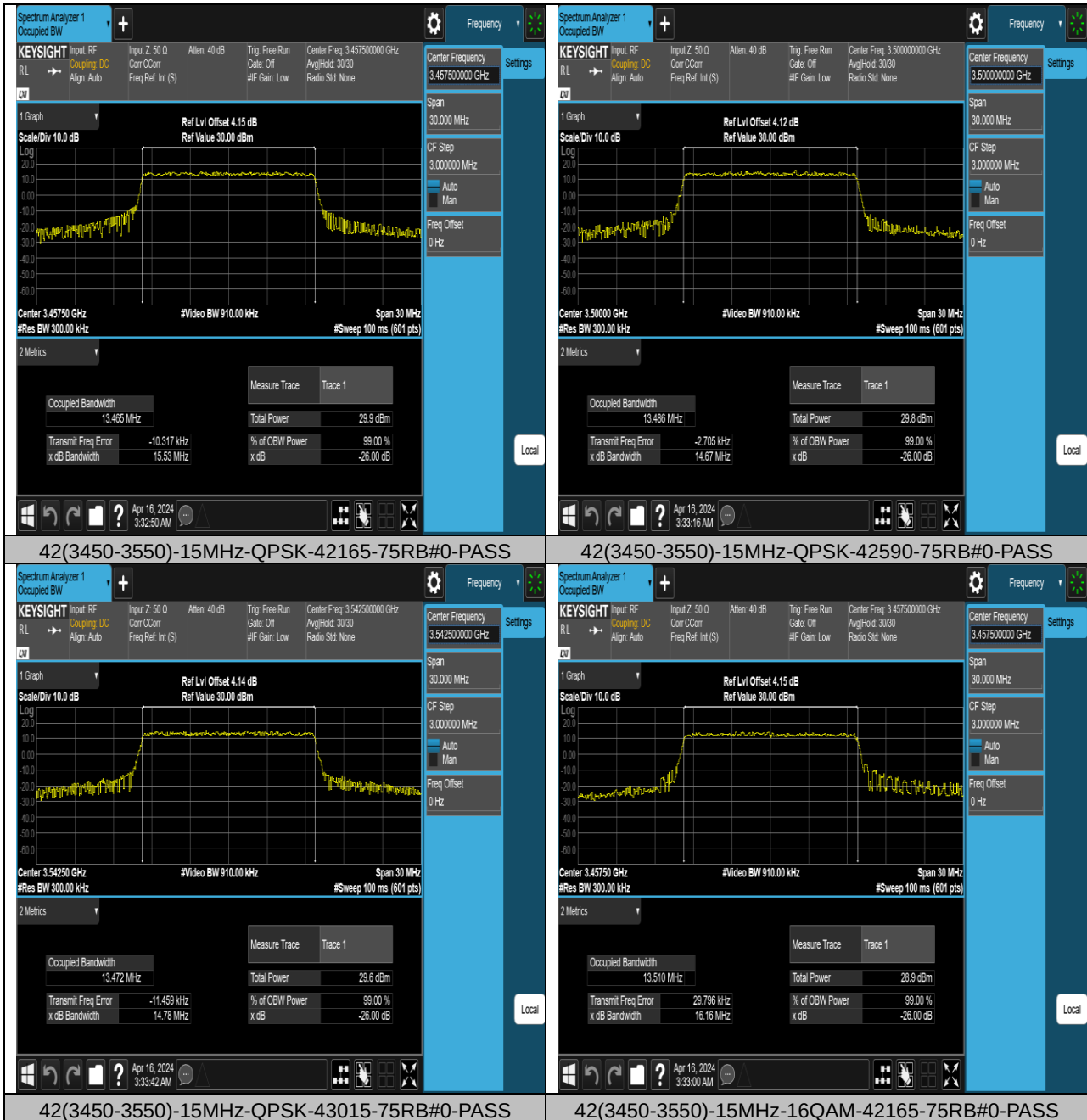






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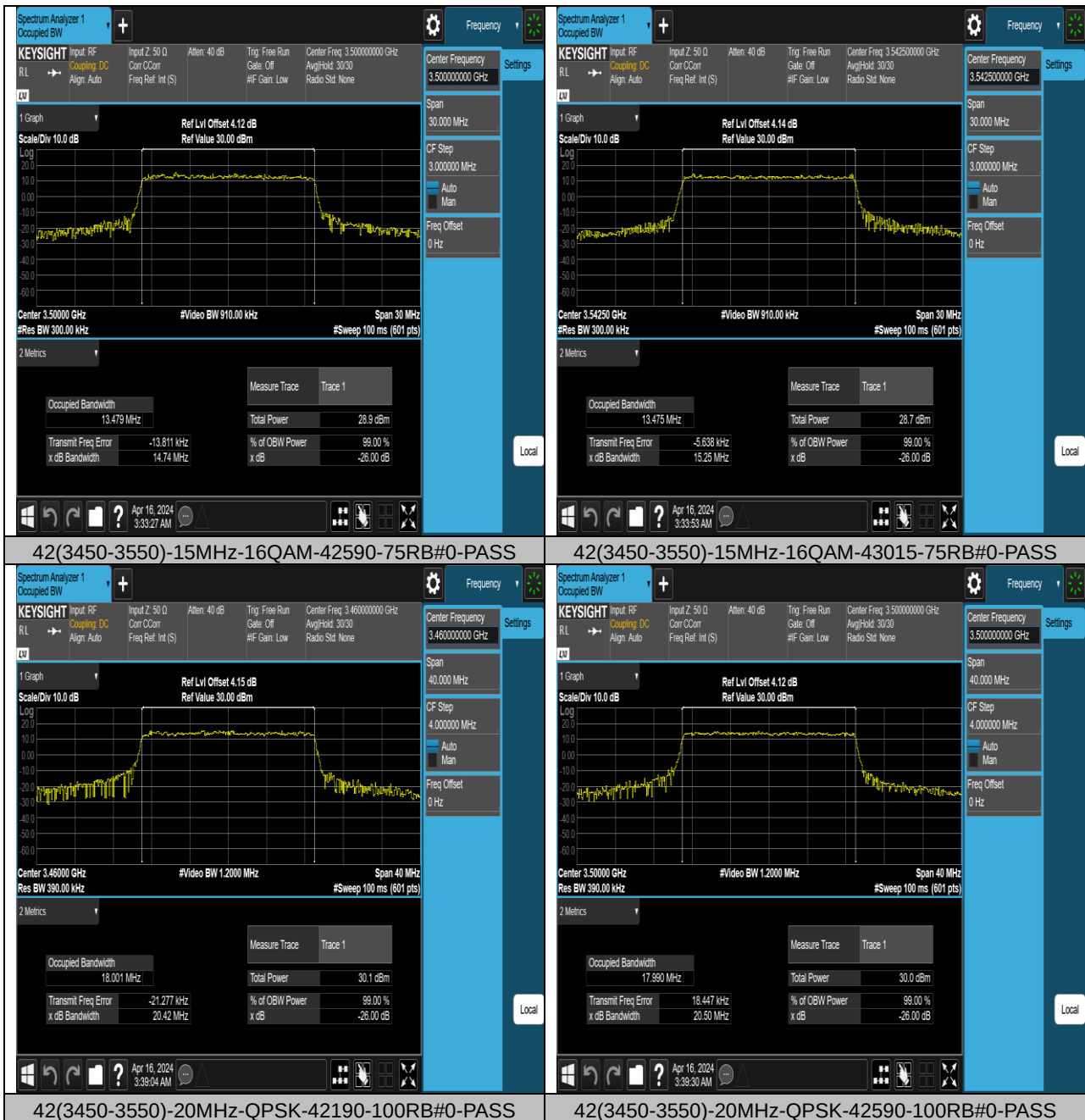
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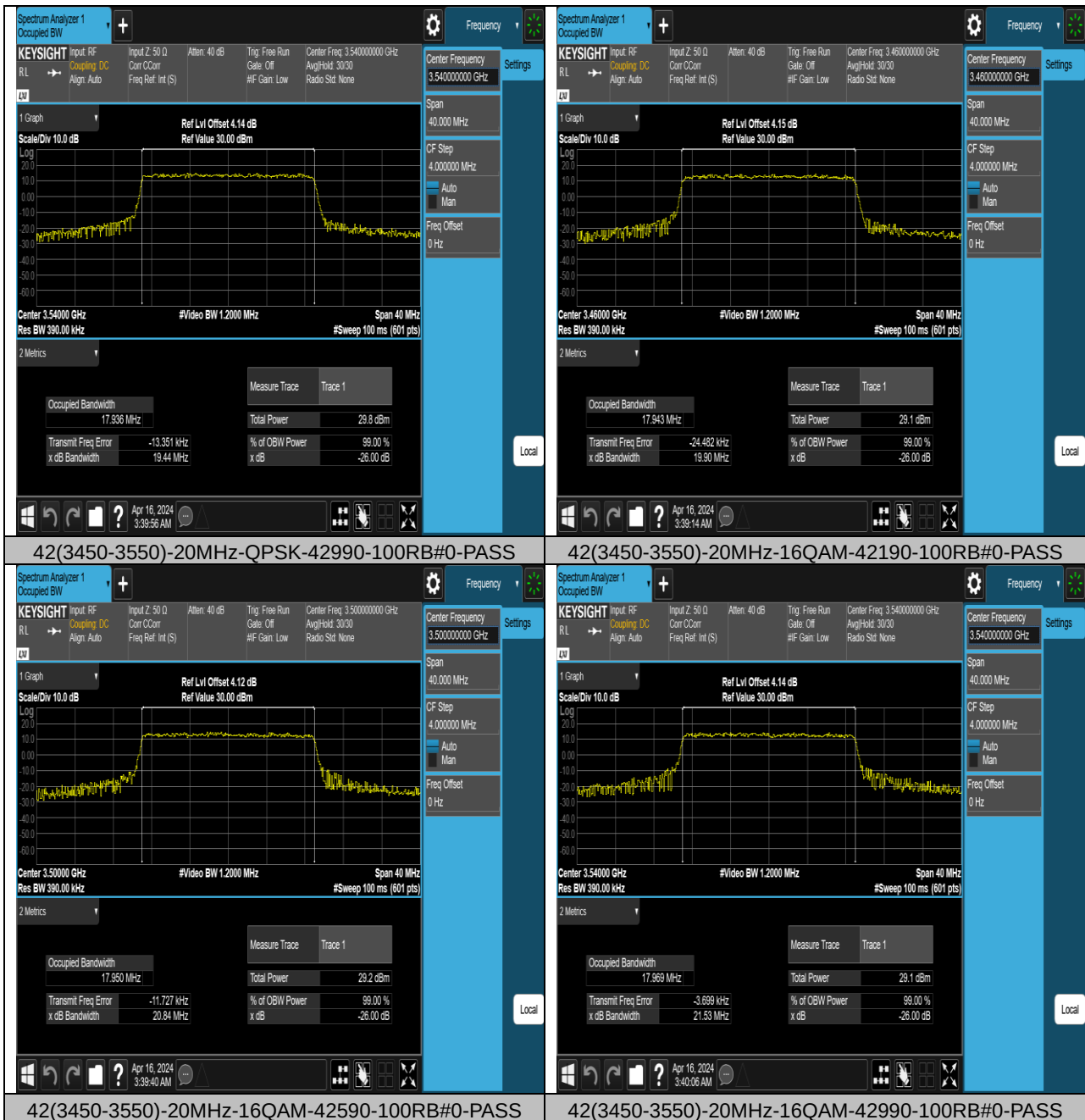
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BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
42(3450-3550)	5MHz	QPSK	42115	1RB#0	-18.72	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	-26.30	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#24	-18.27	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	-25.92	PASS
42(3450-3550)	5MHz	16QAM	42115	1RB#0	-24.90	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	-26.20	PASS
42(3450-3550)	5MHz	16QAM	43065	1RB#24	-23.02	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	-25.31	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	-31.01	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	-31.75	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#49	-30.13	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	-27.27	PASS
42(3450-3550)	10MHz	16QAM	42140	1RB#0	-33.04	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	-31.01	PASS
42(3450-3550)	10MHz	16QAM	43040	1RB#49	-32.35	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	-27.66	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	-32.83	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	-29.95	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#74	-35.00	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	-26.62	PASS
42(3450-3550)	15MHz	16QAM	42165	1RB#0	-35.32	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	-27.68	PASS
42(3450-3550)	15MHz	16QAM	43015	1RB#74	-34.89	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	-26.32	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	-36.40	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	-31.10	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#99	-36.88	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	-28.19	PASS
42(3450-3550)	20MHz	16QAM	42190	1RB#0	-37.69	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	-31.41	PASS
42(3450-3550)	20MHz	16QAM	42990	1RB#99	-39.30	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	-28.69	PASS



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TEST GRAPHS

