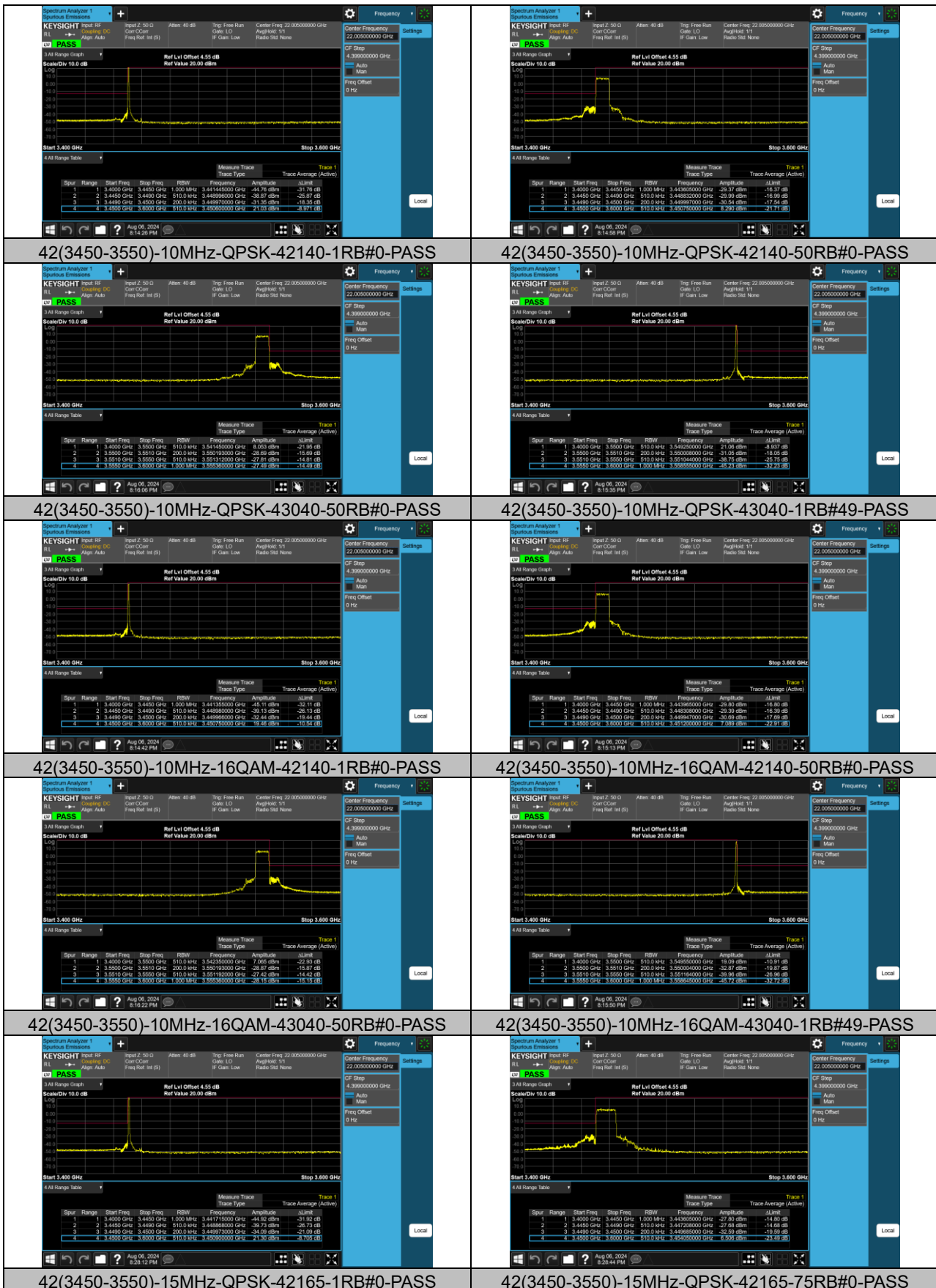




Reference No.: PSU-QSU2509050111RF07



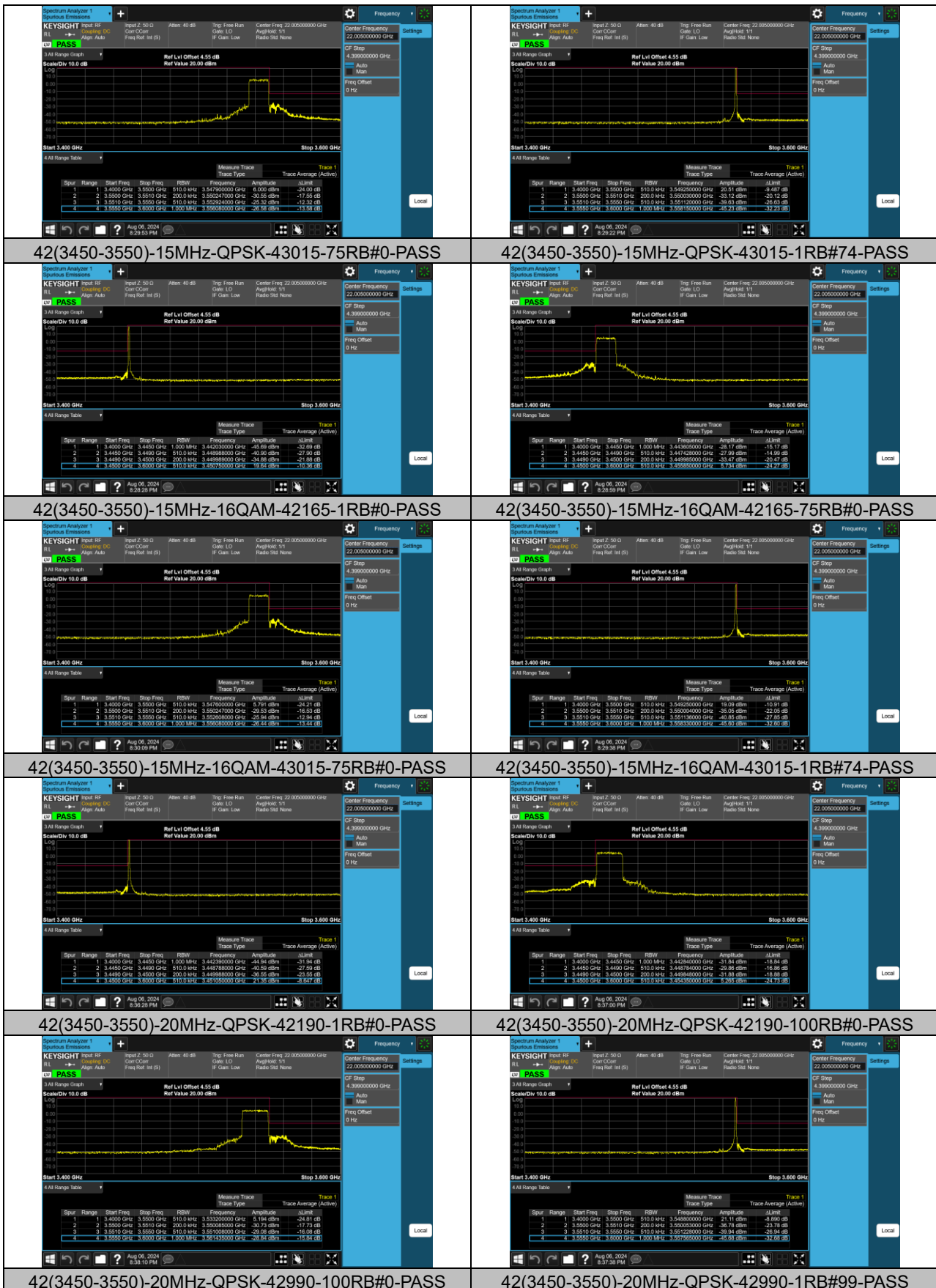
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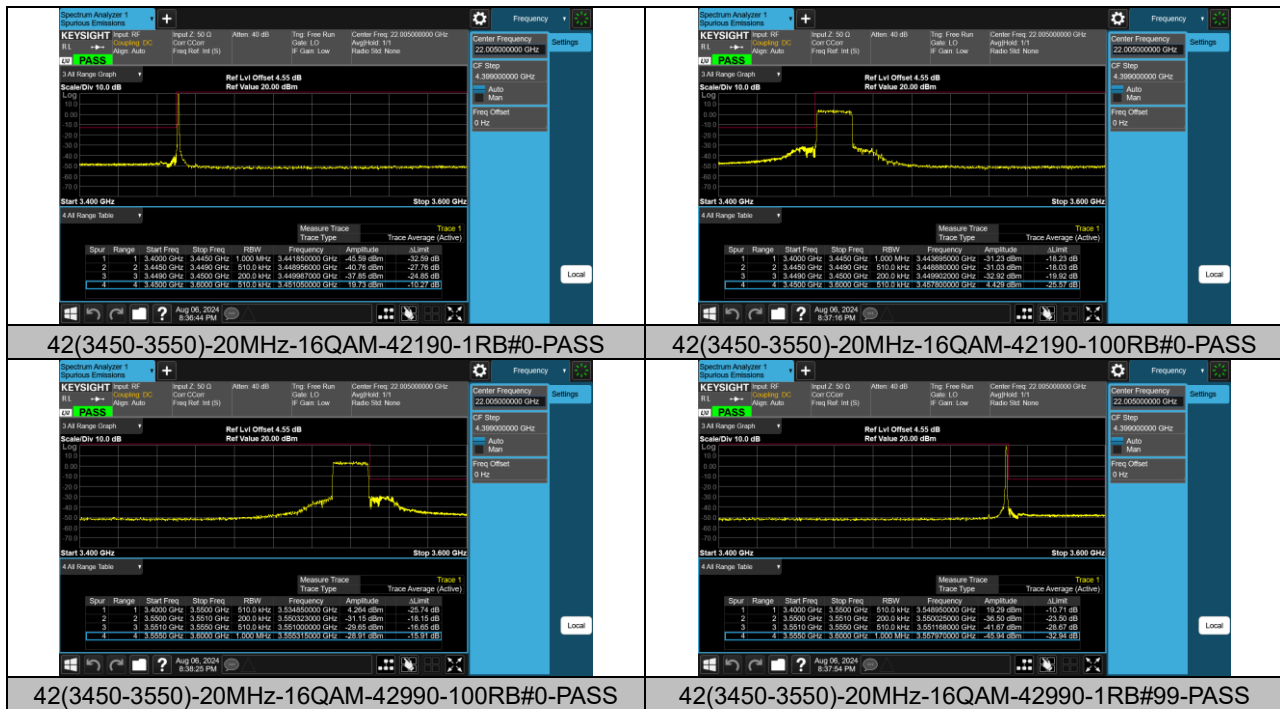
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VERITAS

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Reference No.: PSU-QSU2509050111RF07

CONDUCTED SPURIOUS EMISSION TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
42(3450-3550)	5MHz	QPSK	42115	1RB#0	30~1000	-55.31	PASS
42(3450-3550)	5MHz	QPSK	42115	1RB#0	1000~10000	-47.25	PASS
42(3450-3550)	5MHz	QPSK	42115	1RB#0	10000~20000	-54.63	PASS
42(3450-3550)	5MHz	QPSK	42115	1RB#0	20000~40000	-57.69	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	30~1000	-55.70	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	1000~10000	-47.19	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	10000~20000	-54.74	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	20000~40000	-58.31	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	30~1000	-56.55	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	1000~10000	-46.87	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	10000~20000	-54.69	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	20000~40000	-57.93	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	30~1000	-55.20	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	1000~10000	-47.09	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	10000~20000	-54.64	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	20000~40000	-57.84	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	30~1000	-55.95	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	1000~10000	-46.79	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	10000~20000	-54.82	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	20000~40000	-58.14	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	30~1000	-56.38	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	1000~10000	-46.92	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	10000~20000	-54.65	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	20000~40000	-57.25	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	30~1000	-55.49	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	1000~10000	-47.22	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	10000~20000	-54.74	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	20000~40000	-58.10	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	30~1000	-55.86	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	1000~10000	-46.80	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	10000~20000	-54.61	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	20000~40000	-57.92	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	30~1000	-56.60	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	1000~10000	-46.79	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	10000~20000	-54.97	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	20000~40000	-58.18	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	30~1000	-55.16	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	1000~10000	-47.18	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	10000~20000	-54.86	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	20000~40000	-57.85	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	30~1000	-54.89	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	1000~10000	-46.46	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	10000~20000	-54.60	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	20000~40000	-58.31	PASS

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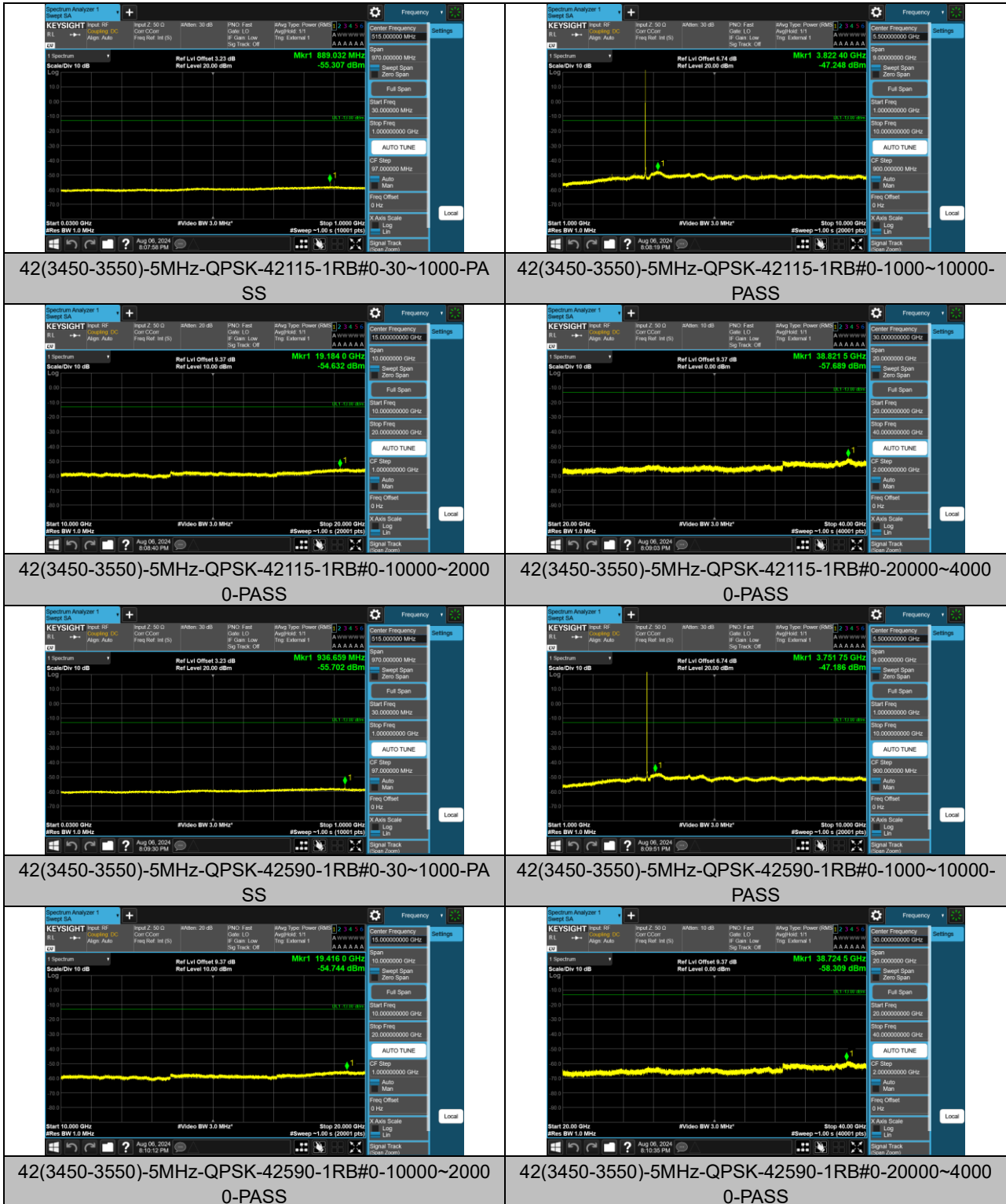


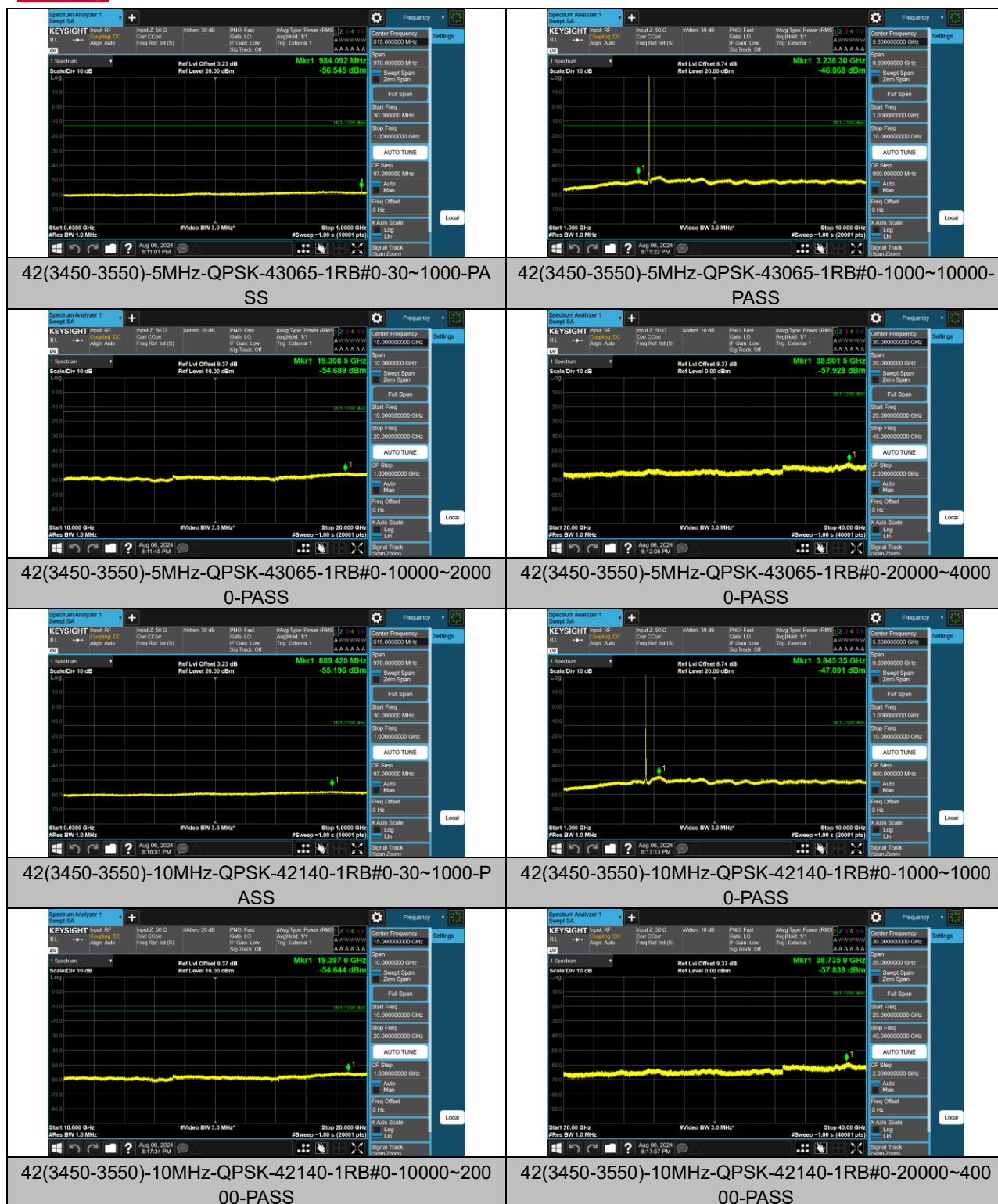
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VERITAS

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42(3450-3550)	20MHz	QPSK	42990	1RB#0	30~1000	-56.26	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	1000~10000	-47.18	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	10000~20000	-54.61	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	20000~40000	-58.26	PASS

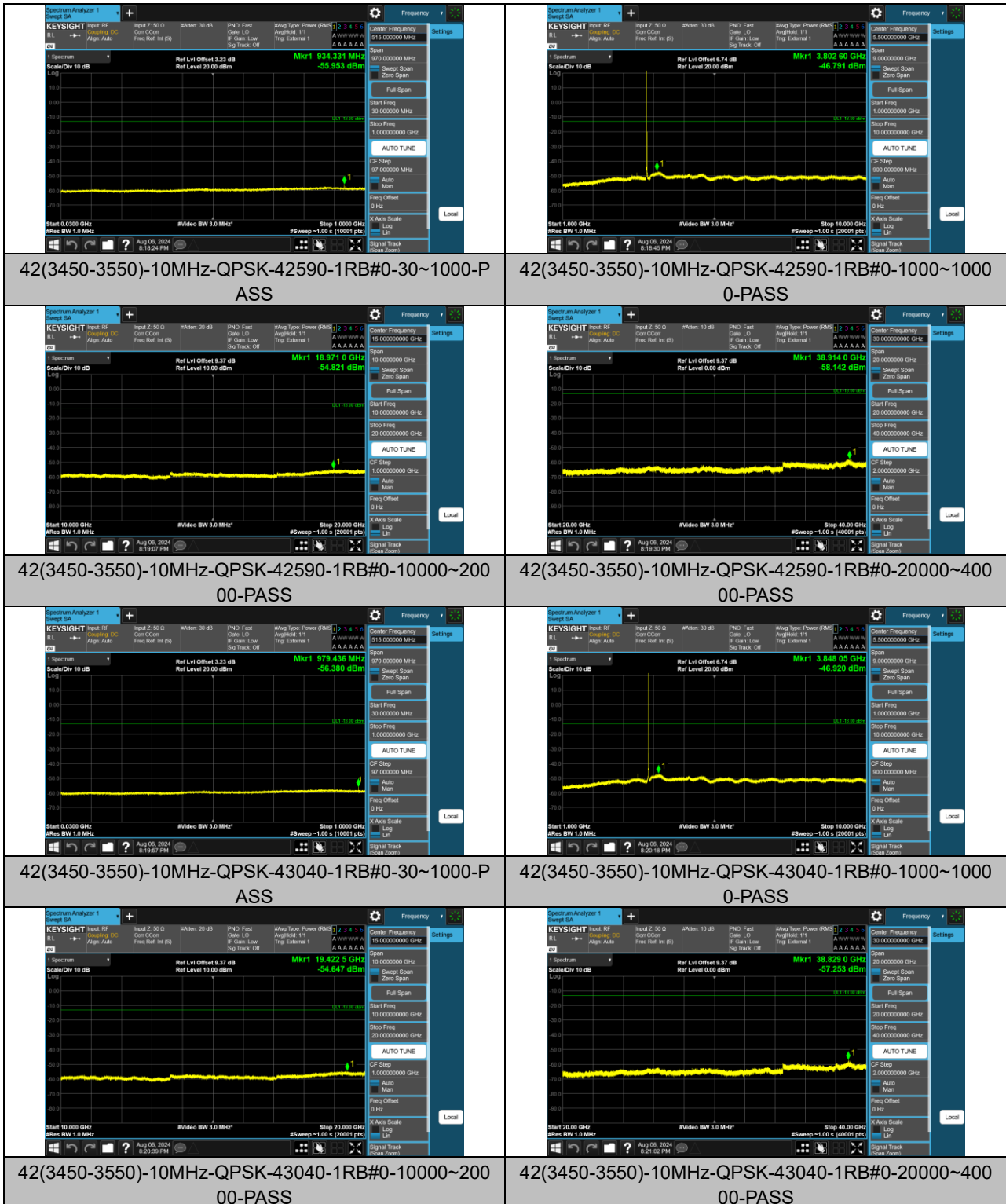
TEST GRAPHS

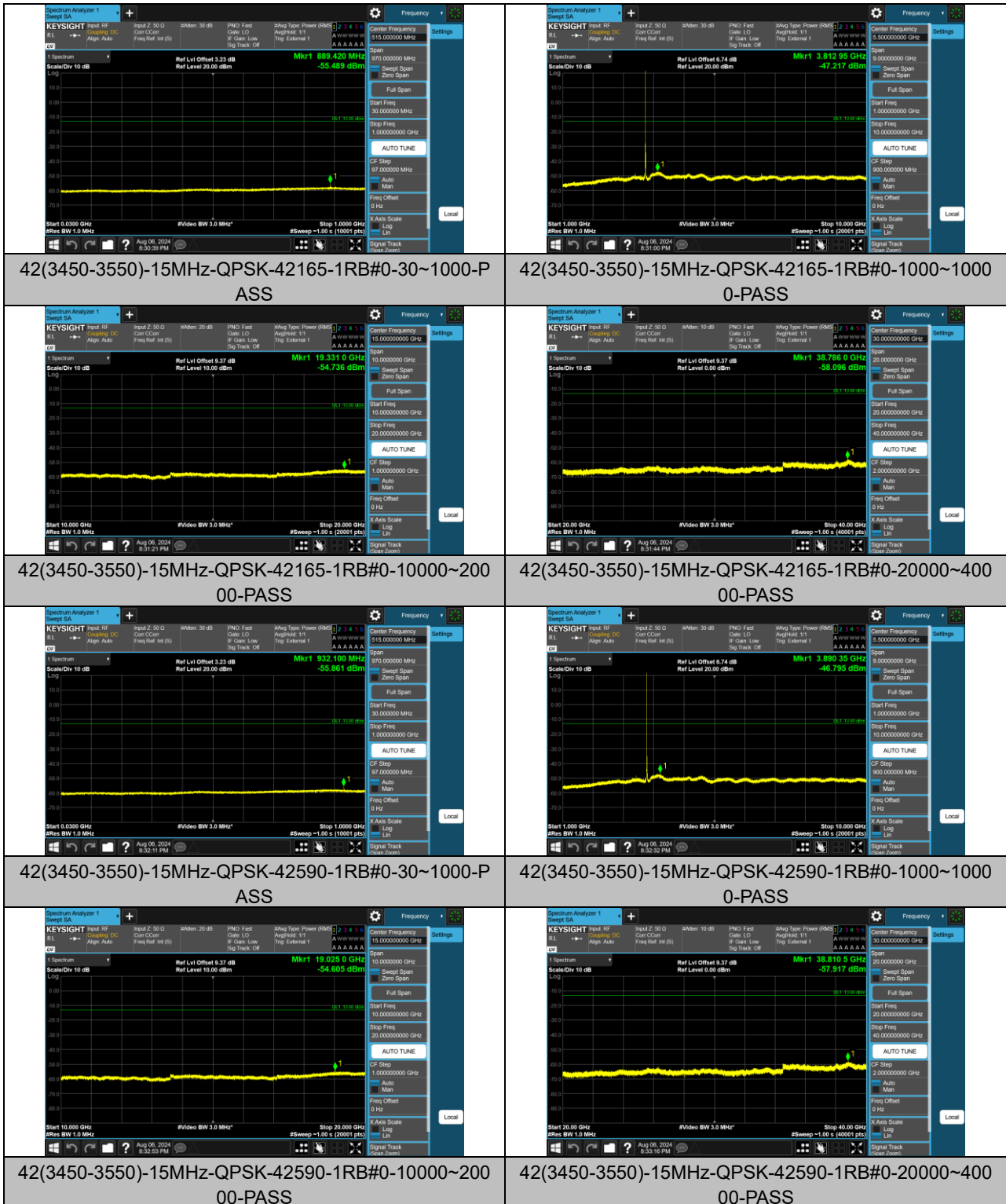


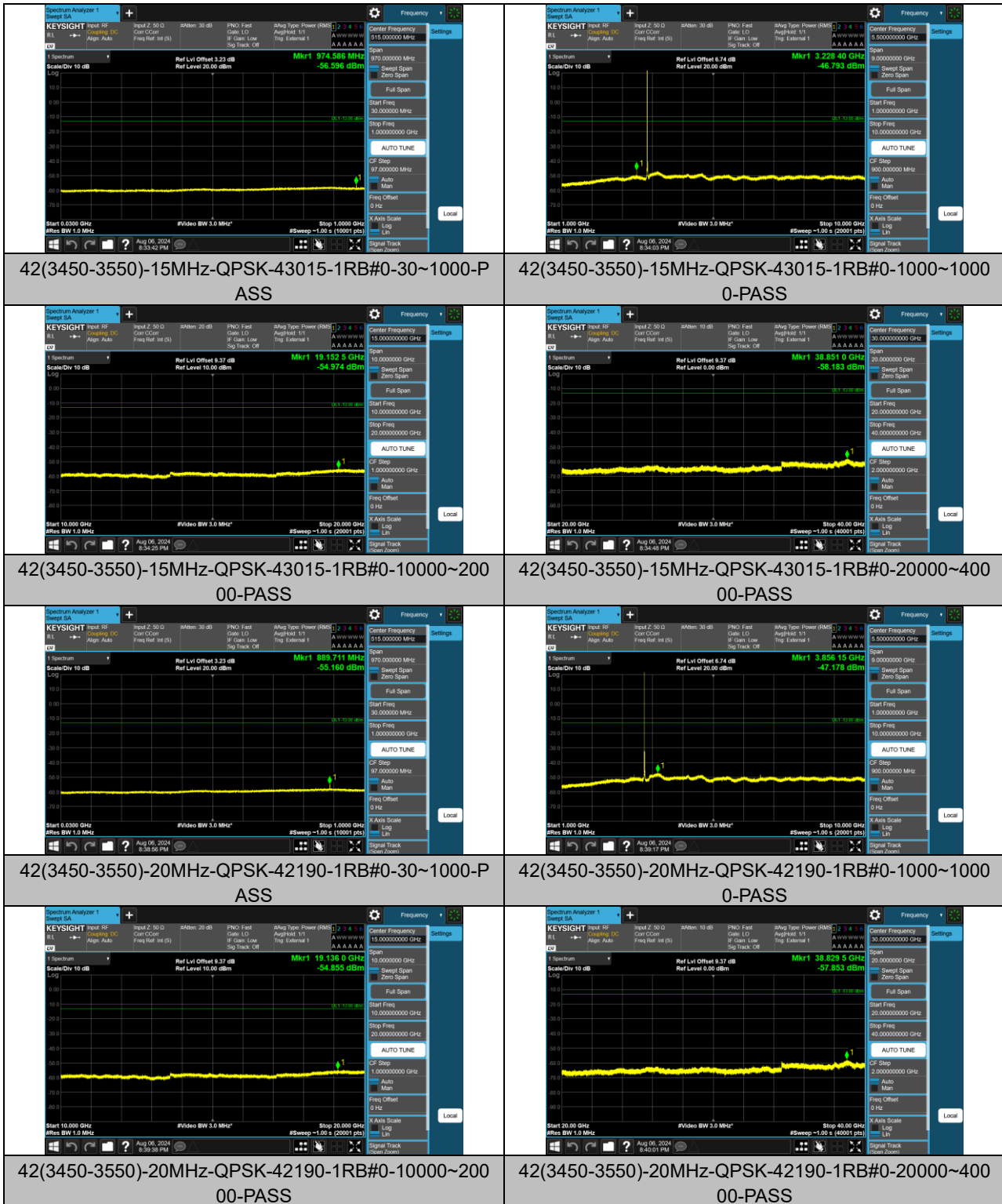


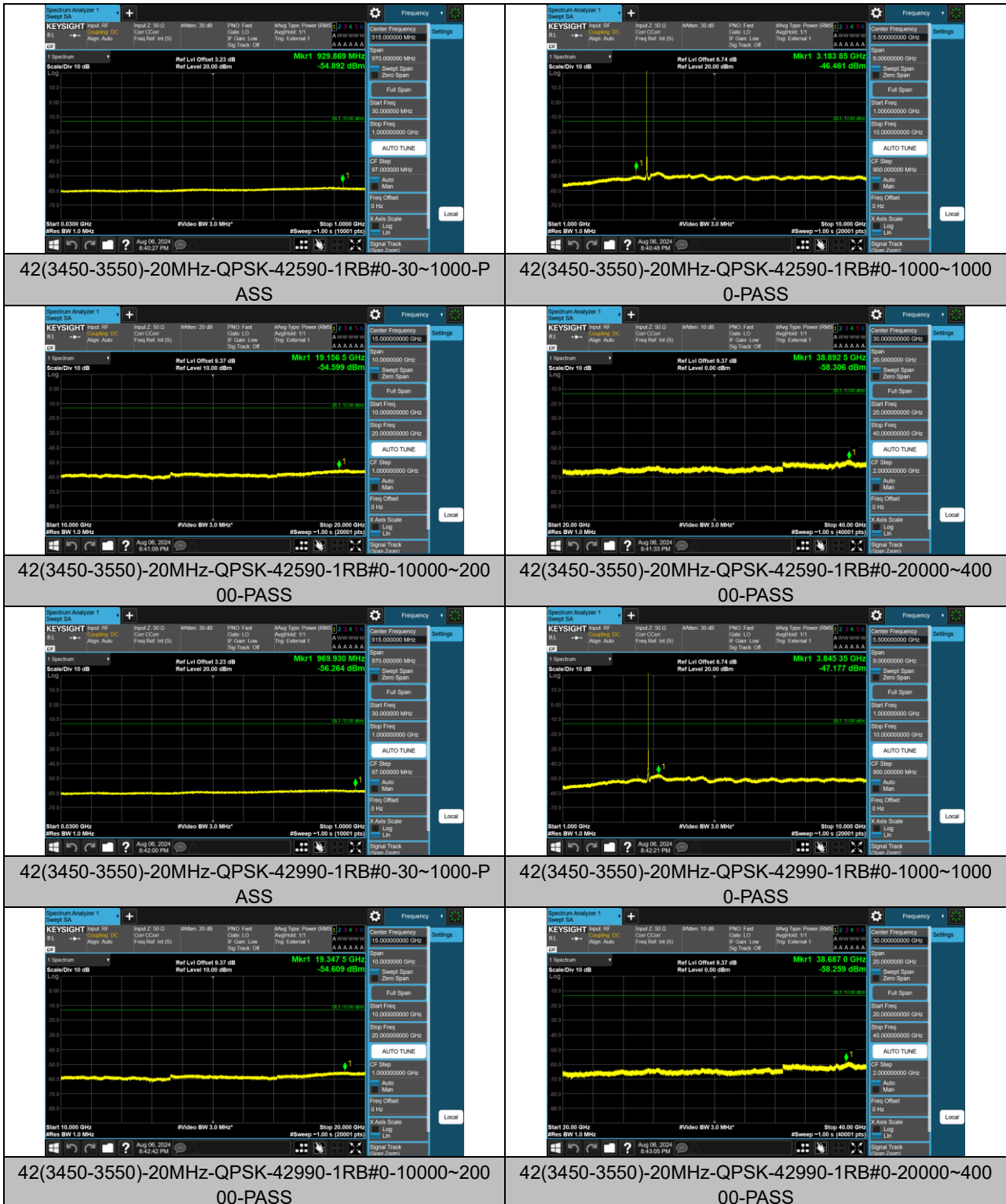


Reference No.: PSU-QSU2509050111RF07









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
42(3450-3550)	10MHz	QPSK	42140	50RB #0	VN	NT	4.92	0.001424	3450.0052	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	VL	NT	6.84	0.001980	3449.9993	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	VH	NT	5.84	0.001690	3450.0221	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB #0	VN	NT	3.95	0.001114	---	3549.6906	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB #0	VL	NT	4.69	0.001323	---	3549.9517	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB #0	VH	NT	7.28	0.002054	---	3549.8466	3450-3550	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	-30	8.01	0.002318	3450.0434	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	-20	-4.71	-0.001363	3450.0214	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	-10	8.78	0.002541	3449.9997	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	0	-10.00	-0.002894	3450.0356	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	10	6.21	0.001797	3450.0304	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	20	5.84	0.001690	3450.0320	---	3450-3550	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB #0	NV	30	-3.35	-0.000	3450.0320	---	3450-3550	PASS



**BUREAU
VERITAS**

Reference No.: PSU-QSU2509050111RF07

50-35 50)	z			#0				970	0505		3550	
42(34 50-35 50)	10MH z	QPSK	42140	50RB #0	NV	40	8.20	0.002 373	3450. 0241	---	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	42140	50RB #0	NV	50	-6.67	-0.001 931	3450. 0356	---	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	-30	5.45	0.001 537	---	3549. 7901	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	-20	6.84	0.001 929	---	3549. 7695	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	-10	-5.76	-0.001 625	---	3549. 9922	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	0	-9.51	-0.002 683	---	3549. 8360	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	10	8.28	0.002 336	---	3549. 8664	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	20	10.01	0.002 824	---	3549. 8583	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	30	7.21	0.002 034	---	3549. 7854	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	40	-8.25	-0.002 327	---	3549. 7045	3450- 3550	PASS
42(34 50-35 50)	10MH z	QPSK	43040	50RB #0	NV	50	-6.37	-0.001 797	---	3549. 7033	3450- 3550	PASS

LTE BAND 66

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	3.26	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	4.84	13	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	3.08	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	4.36	13	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	2.89	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	3.86	13	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	5.30	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	5.74	13	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	4.65	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.29	13	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	4.46	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	4.74	13	PASS
Band66	3MHz	QPSK	131987	1RB#0	3.38	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	4.81	13	PASS
Band66	3MHz	QPSK	132322	1RB#0	2.91	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	4.59	13	PASS
Band66	3MHz	QPSK	132657	1RB#0	2.83	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	4.32	13	PASS
Band66	3MHz	16QAM	131987	1RB#0	5.10	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	5.76	13	PASS
Band66	3MHz	16QAM	132322	1RB#0	4.45	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	5.45	13	PASS
Band66	3MHz	16QAM	132657	1RB#0	4.31	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.14	13	PASS
Band66	5MHz	QPSK	131997	1RB#0	3.29	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.04	13	PASS
Band66	5MHz	QPSK	132322	1RB#0	2.86	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.57	13	PASS
Band66	5MHz	QPSK	132647	1RB#0	2.89	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.33	13	PASS
Band66	5MHz	16QAM	131997	1RB#0	5.00	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	5.78	13	PASS
Band66	5MHz	16QAM	132322	1RB#0	4.42	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	5.41	13	PASS
Band66	5MHz	16QAM	132647	1RB#0	4.16	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.09	13	PASS
Band66	10MHz	QPSK	132022	1RB#0	3.27	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.10	13	PASS
Band66	10MHz	QPSK	132322	1RB#0	2.65	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	4.67	13	PASS
Band66	10MHz	QPSK	132622	1RB#0	2.86	13	PASS

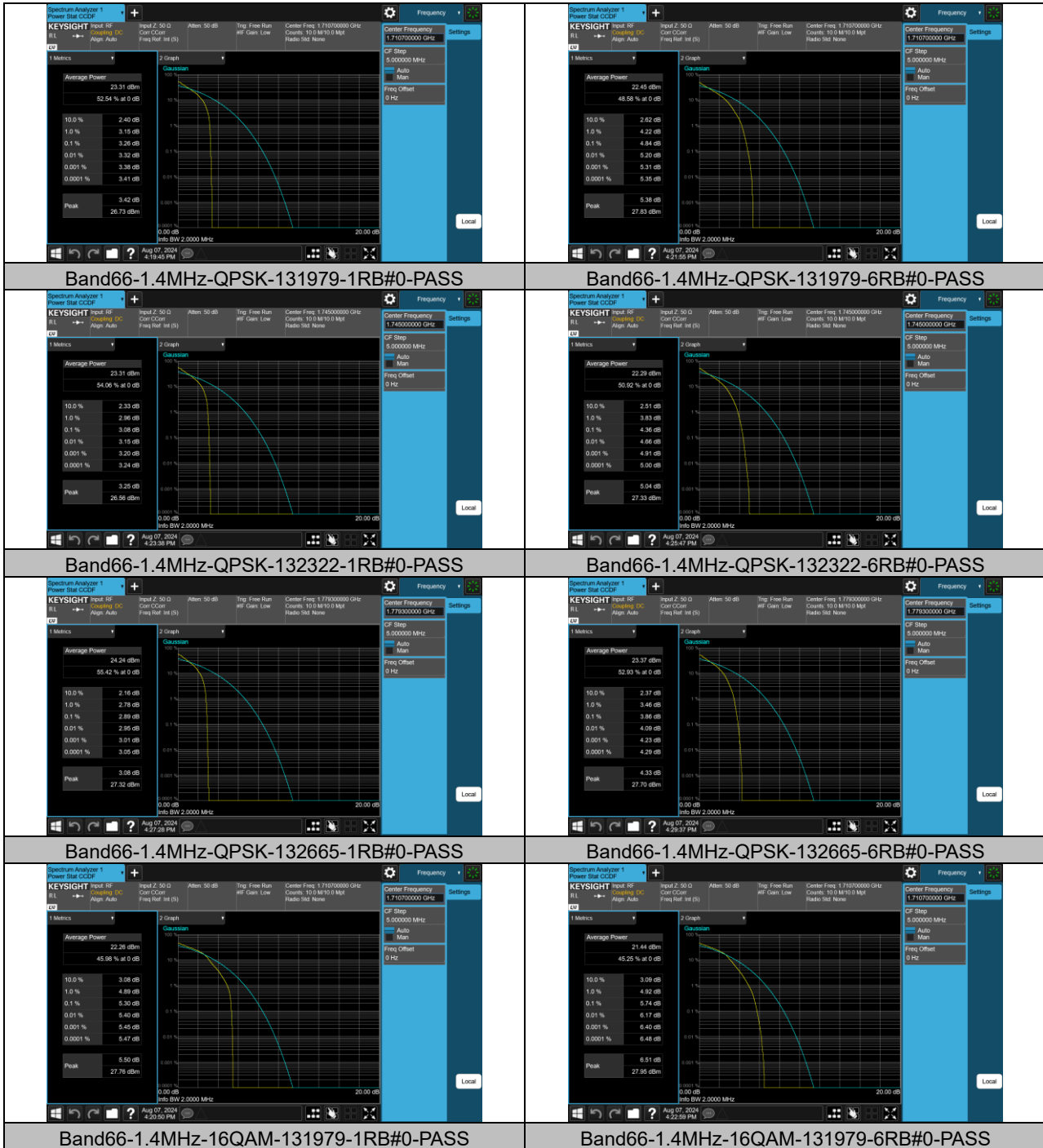


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VERITAS**

Reference No.: PSU-QSU2509050111RF07

Band66	10MHz	QPSK	132622	50RB#0	4.41	13	PASS
Band66	10MHz	16QAM	132022	1RB#0	4.95	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	5.87	13	PASS
Band66	10MHz	16QAM	132322	1RB#0	4.25	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	5.43	13	PASS
Band66	10MHz	16QAM	132622	1RB#0	4.32	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.23	13	PASS
Band66	15MHz	QPSK	132047	1RB#0	3.56	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.01	13	PASS
Band66	15MHz	QPSK	132322	1RB#0	3.17	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	4.81	13	PASS
Band66	15MHz	QPSK	132597	1RB#0	3.16	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	4.74	13	PASS
Band66	15MHz	16QAM	132047	1RB#0	5.06	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	5.83	13	PASS
Band66	15MHz	16QAM	132322	1RB#0	4.33	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	5.65	13	PASS
Band66	15MHz	16QAM	132597	1RB#0	4.44	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	5.54	13	PASS
Band66	20MHz	QPSK	132072	1RB#0	3.22	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	4.81	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	2.84	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	4.51	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	2.99	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.58	13	PASS

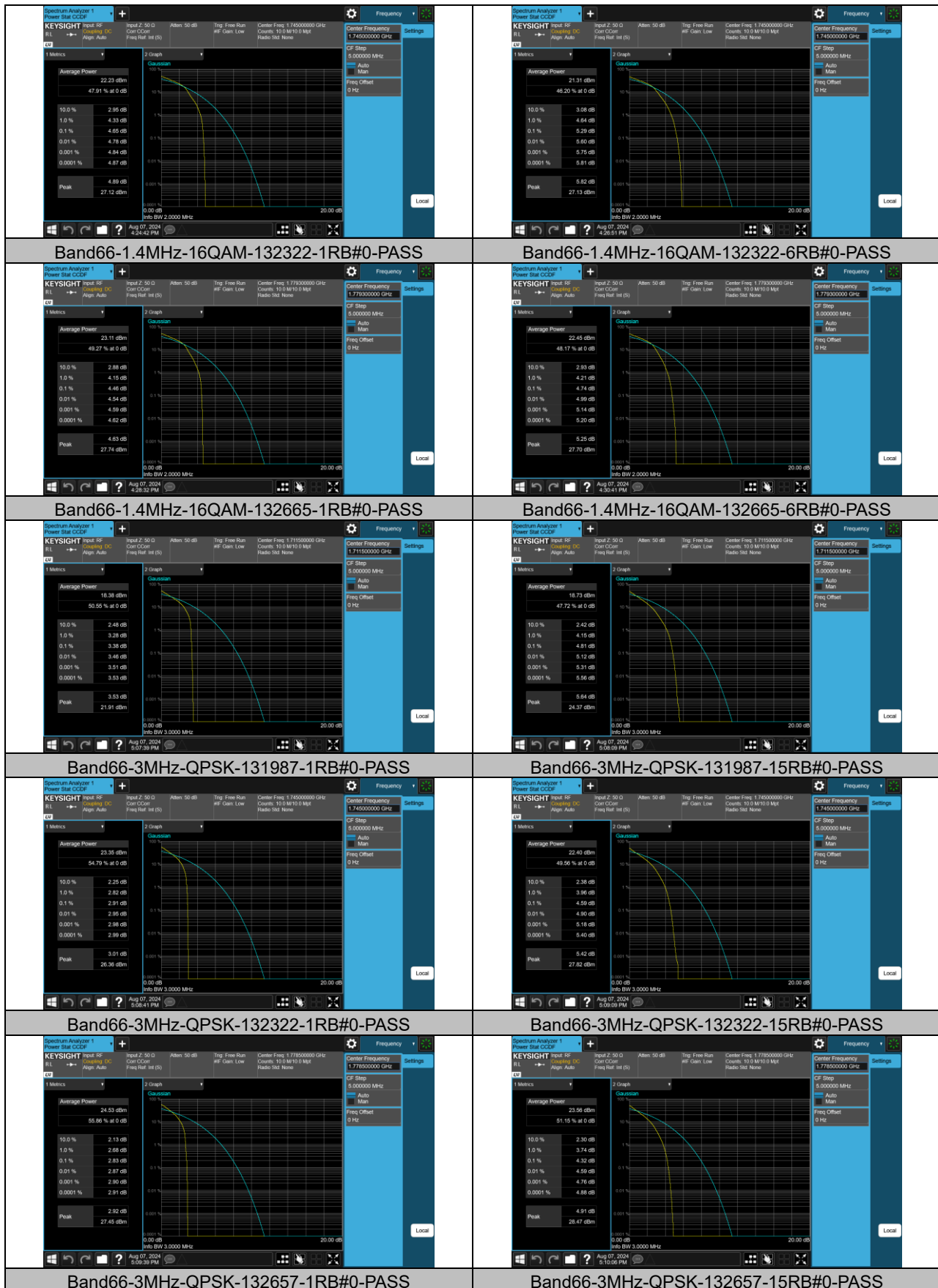
TEST GRAPHS





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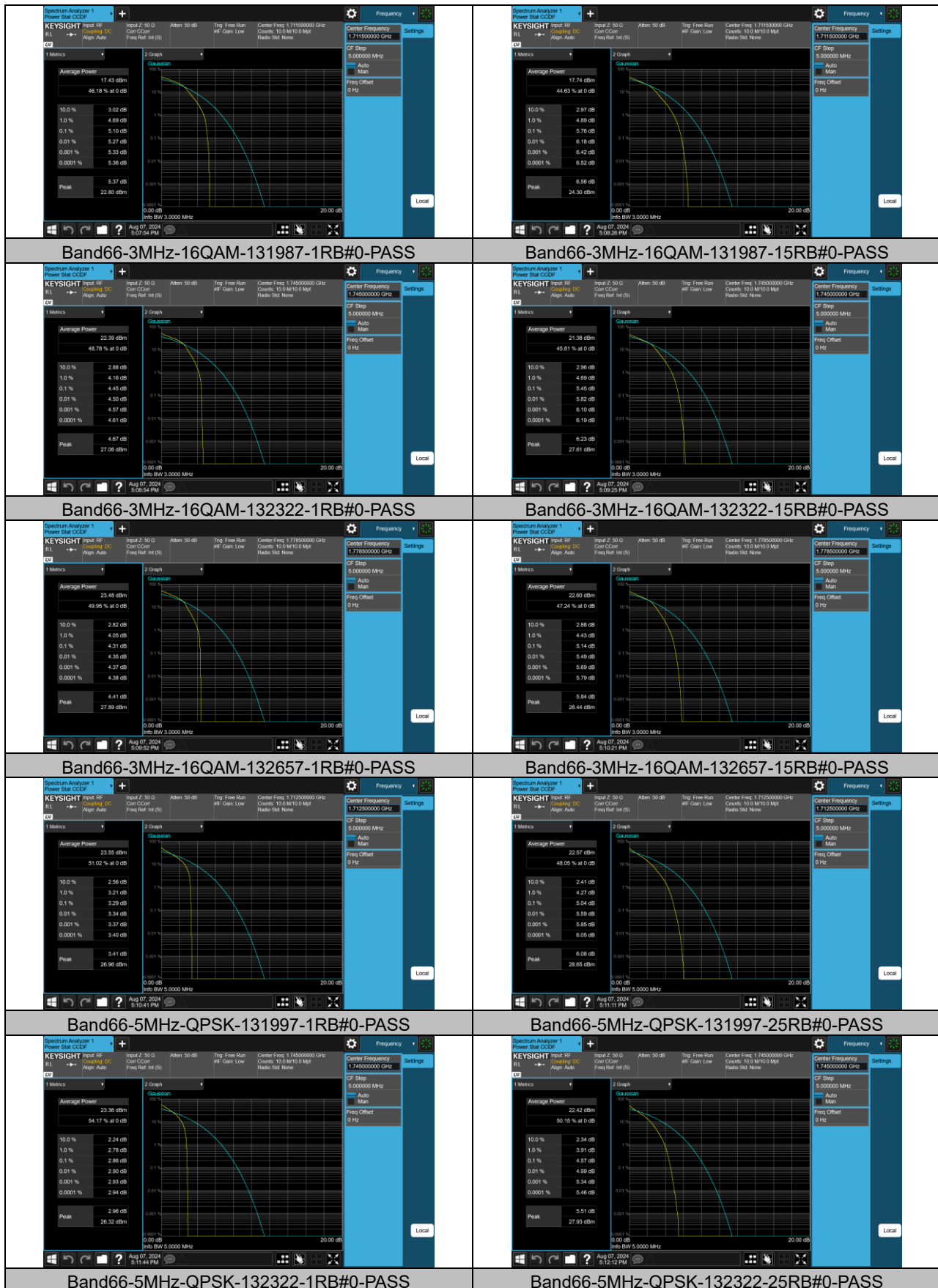
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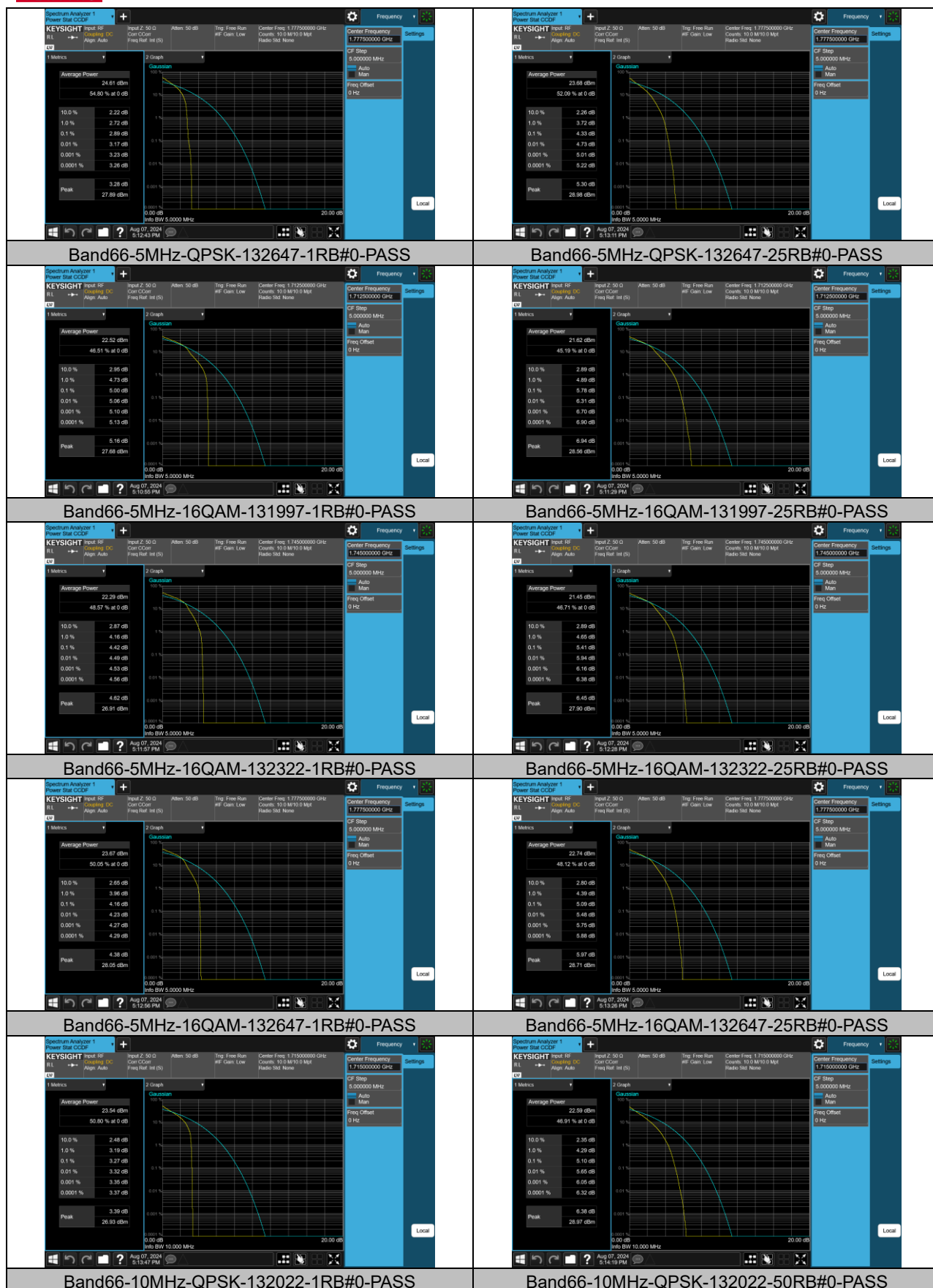
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VERITAS

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