

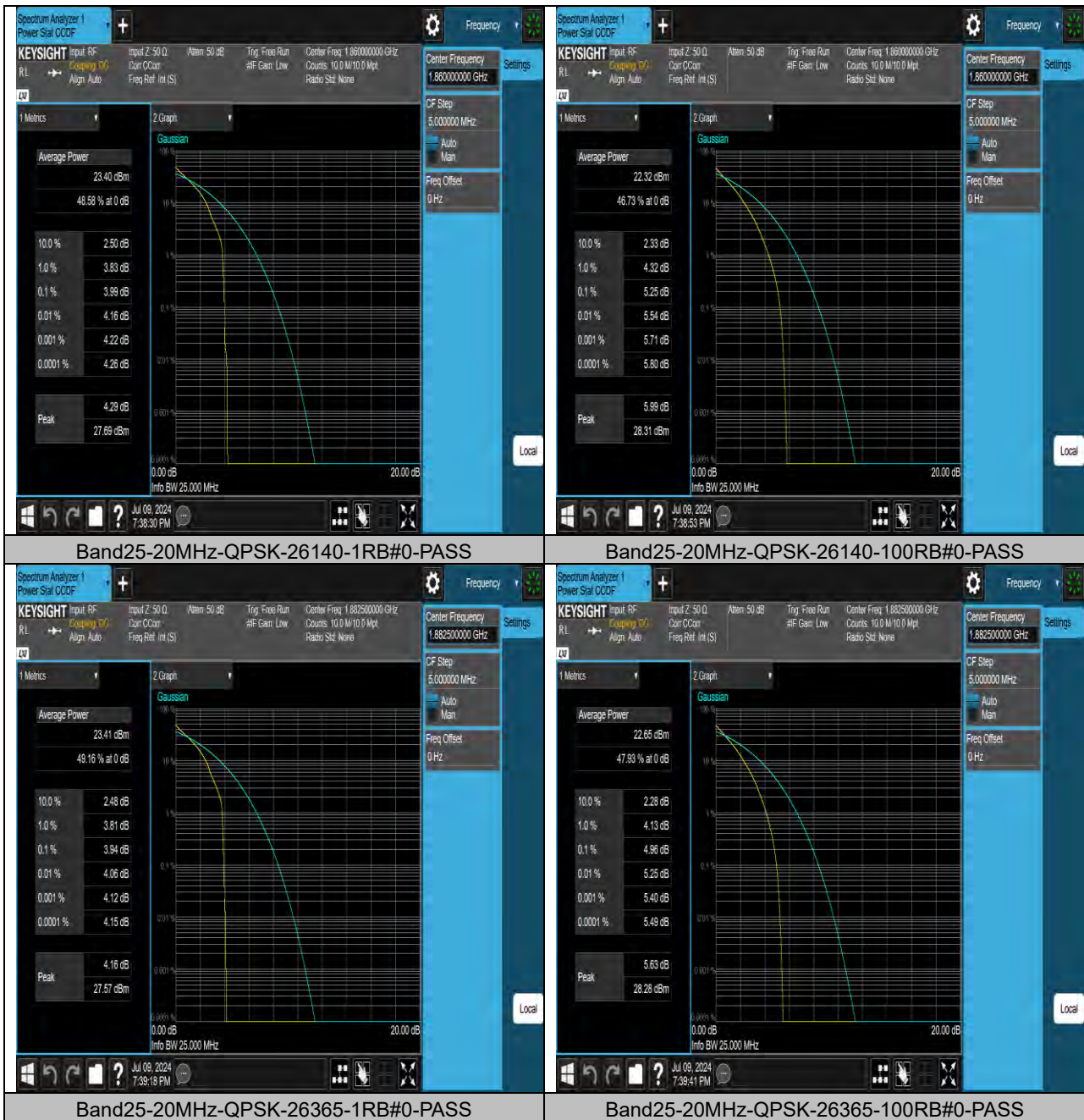
APPENDIX B

LTE BAND 25 (INCLUDING B2)

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	20MHz	QPSK	26140	1RB#0	3.99	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	5.25	13	PASS
Band25	20MHz	QPSK	26365	1RB#0	3.94	13	PASS
Band25	20MHz	QPSK	26365	100RB#0	4.96	13	PASS
Band25	20MHz	QPSK	26590	1RB#0	4.15	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.02	13	PASS
Band25	20MHz	16QAM	26140	1RB#0	4.92	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	6.12	13	PASS
Band25	20MHz	16QAM	26365	1RB#0	4.87	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.82	13	PASS
Band25	20MHz	16QAM	26590	1RB#0	5.02	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.85	13	PASS

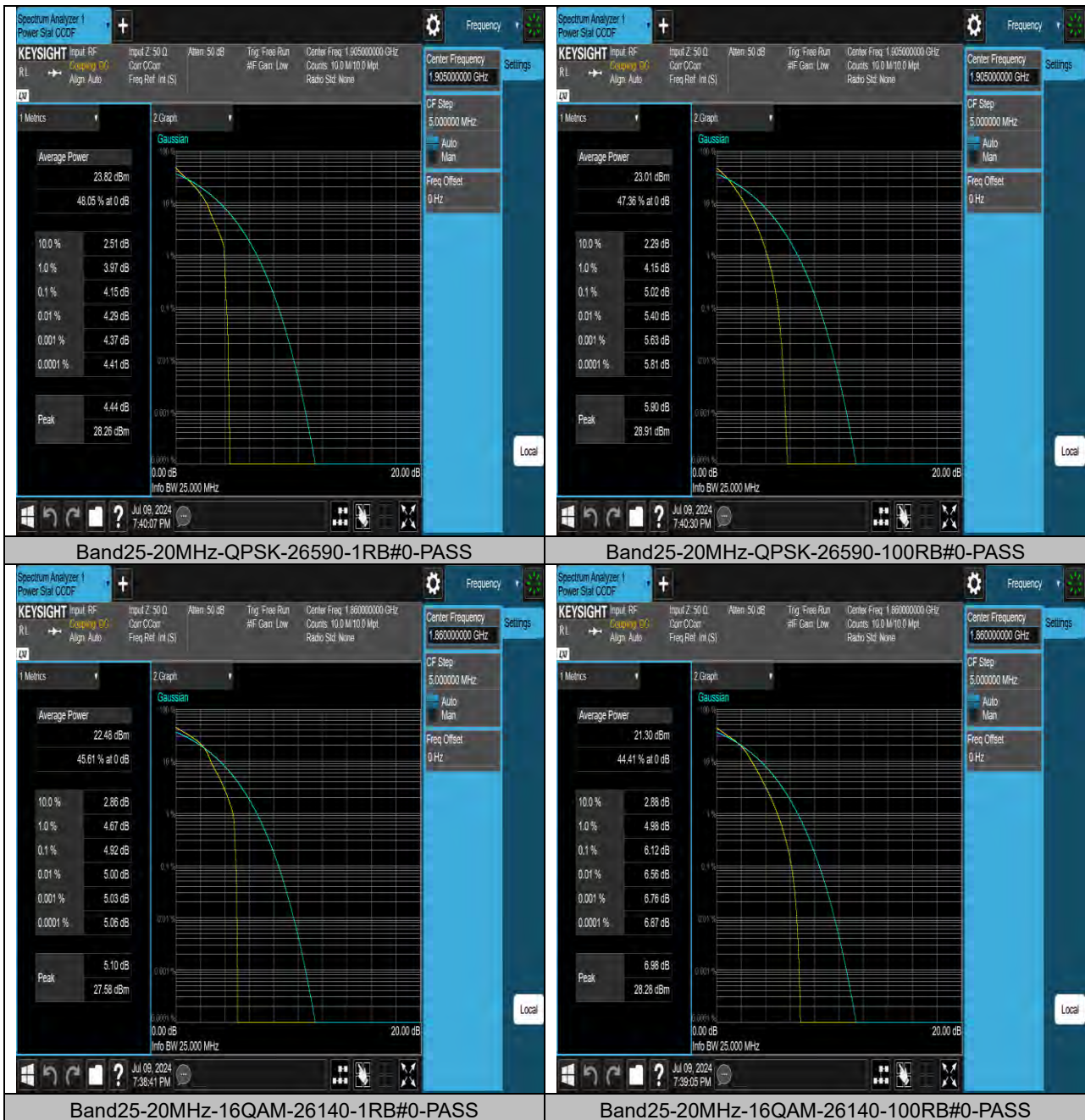
TEST GRAPHS

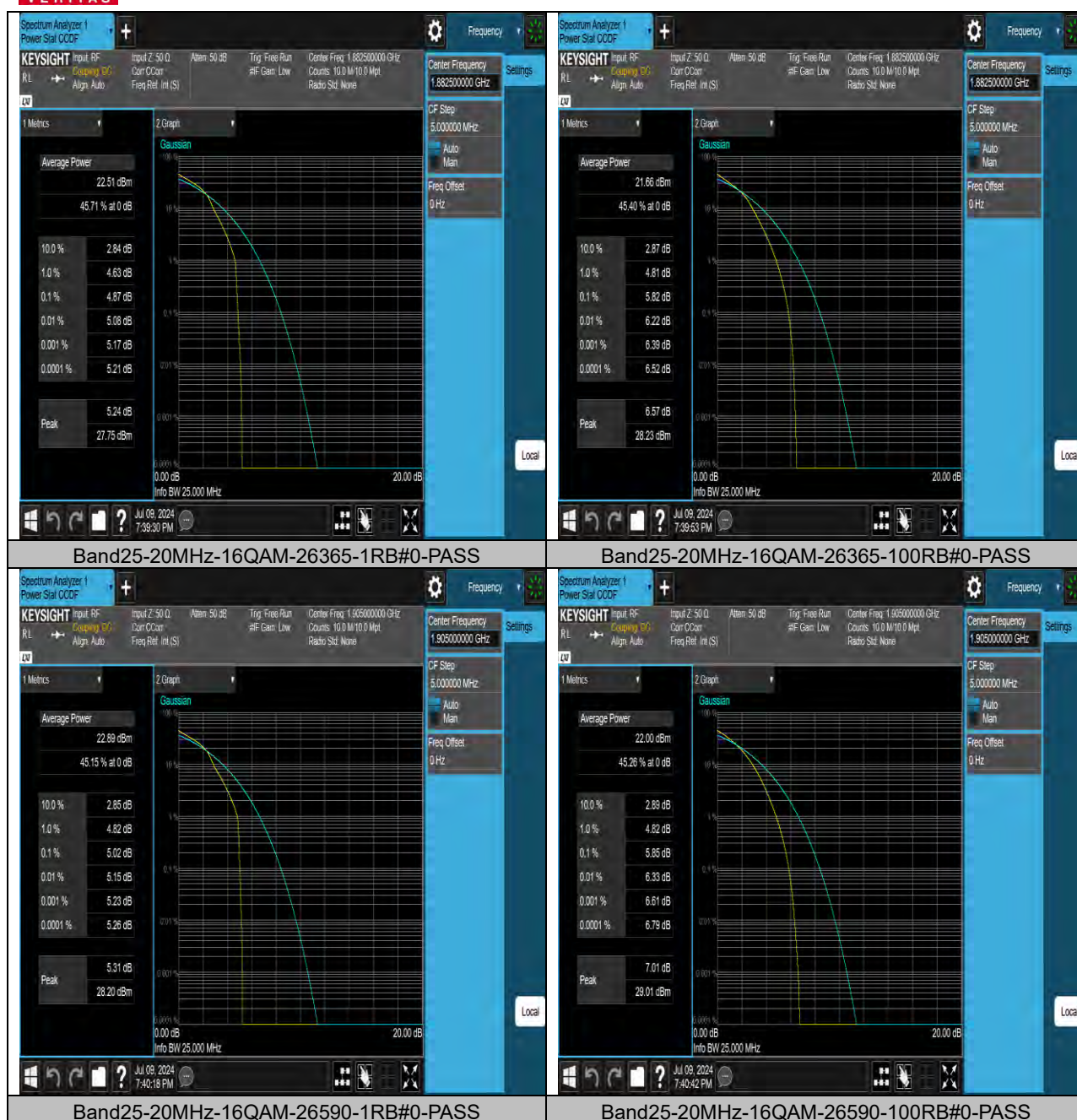




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VERITAS

Reference No.: W7L-P24070005RF02

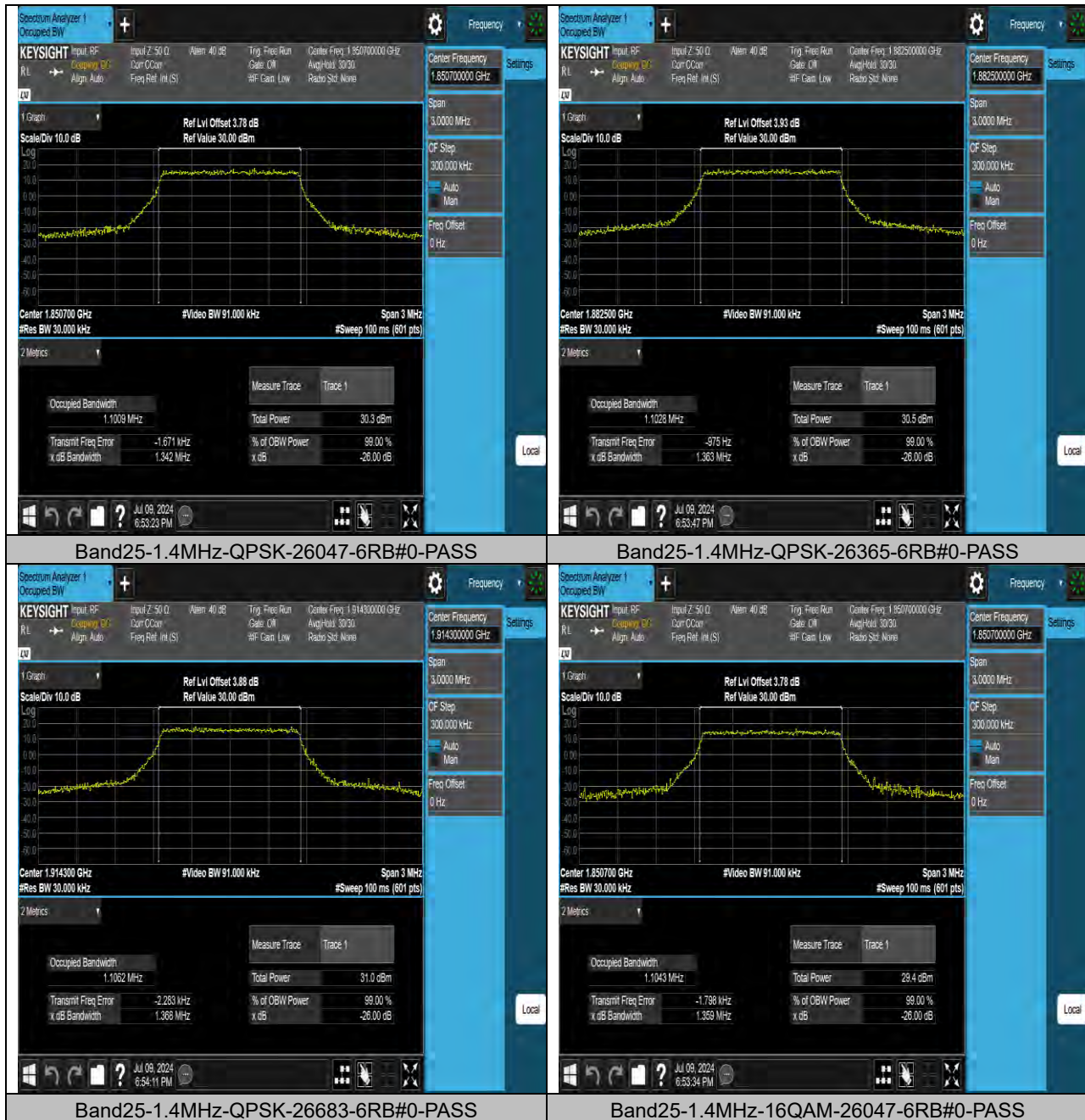




26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26047	6RB#0	1.1009	1.342	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	1.1028	1.363	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	1.1062	1.368	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	1.1043	1.359	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.1035	1.360	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	1.1023	1.345	PASS
Band25	3MHz	QPSK	26055	15RB#0	2.7049	3.055	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.7107	3.063	PASS
Band25	3MHz	QPSK	26675	15RB#0	2.7016	3.070	PASS
Band25	3MHz	16QAM	26055	15RB#0	2.7020	3.022	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.7051	3.026	PASS
Band25	3MHz	16QAM	26675	15RB#0	2.6997	3.063	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.5157	5.199	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.5247	5.133	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.5301	5.174	PASS
Band25	5MHz	16QAM	26065	25RB#0	4.5276	5.156	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.5128	5.176	PASS
Band25	5MHz	16QAM	26665	25RB#0	4.5279	5.153	PASS
Band25	10MHz	QPSK	26090	50RB#0	8.9942	9.951	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.9907	9.954	PASS
Band25	10MHz	QPSK	26640	50RB#0	8.9871	10.07	PASS
Band25	10MHz	16QAM	26090	50RB#0	9.0003	10.04	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.9952	10.08	PASS
Band25	10MHz	16QAM	26640	50RB#0	8.9758	10.03	PASS
Band25	15MHz	QPSK	26115	75RB#0	13.475	14.95	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.477	14.91	PASS
Band25	15MHz	QPSK	26615	75RB#0	13.435	14.82	PASS
Band25	15MHz	16QAM	26115	75RB#0	13.474	14.94	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.467	14.87	PASS
Band25	15MHz	16QAM	26615	75RB#0	13.429	14.87	PASS
Band25	20MHz	QPSK	26140	100RB#0	17.969	19.77	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.969	19.80	PASS
Band25	20MHz	QPSK	26590	100RB#0	17.900	19.68	PASS
Band25	20MHz	16QAM	26140	100RB#0	17.968	19.80	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.937	19.74	PASS
Band25	20MHz	16QAM	26590	100RB#0	17.950	19.69	PASS

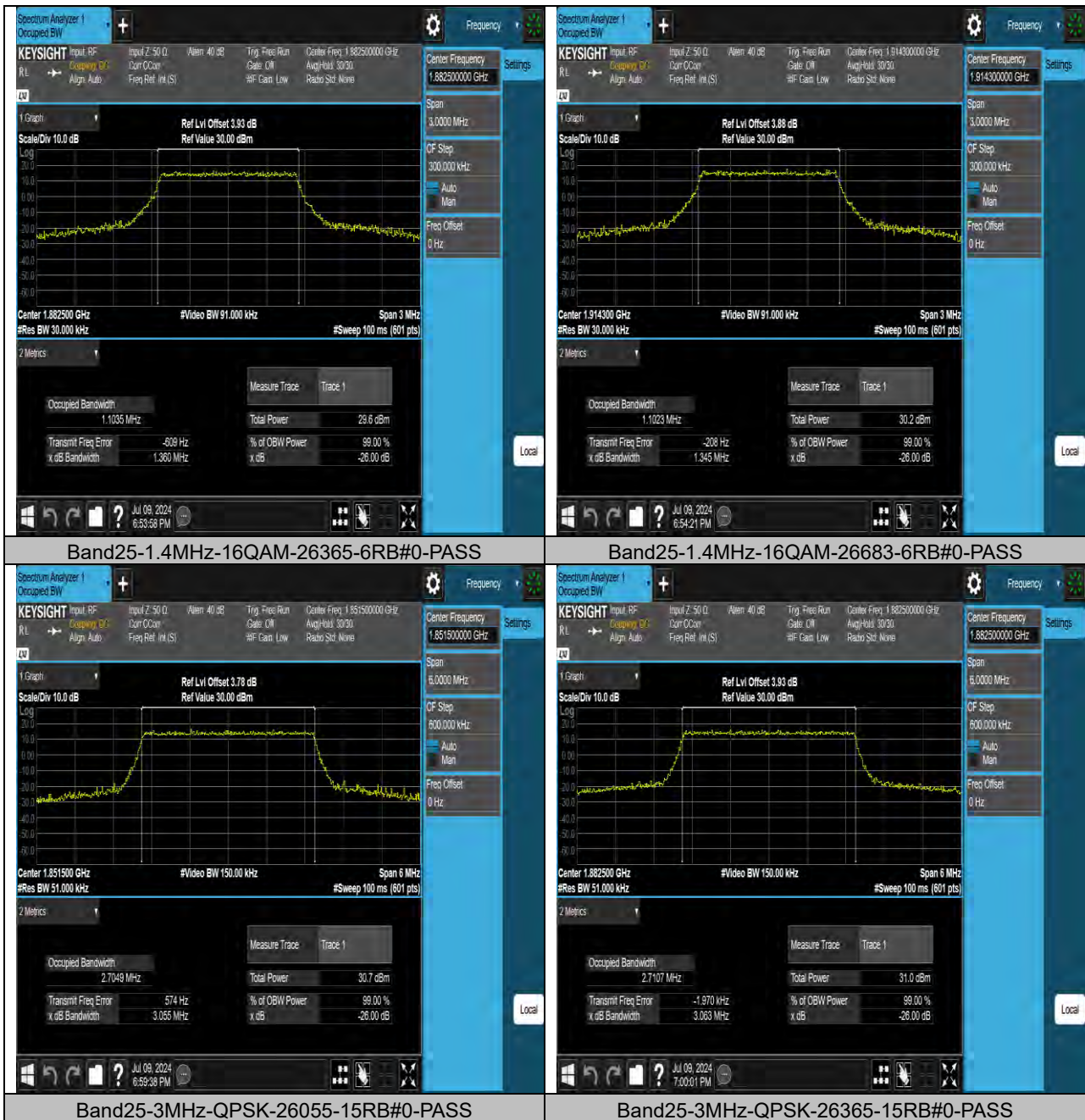
TEST GRAPHS





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VERITAS

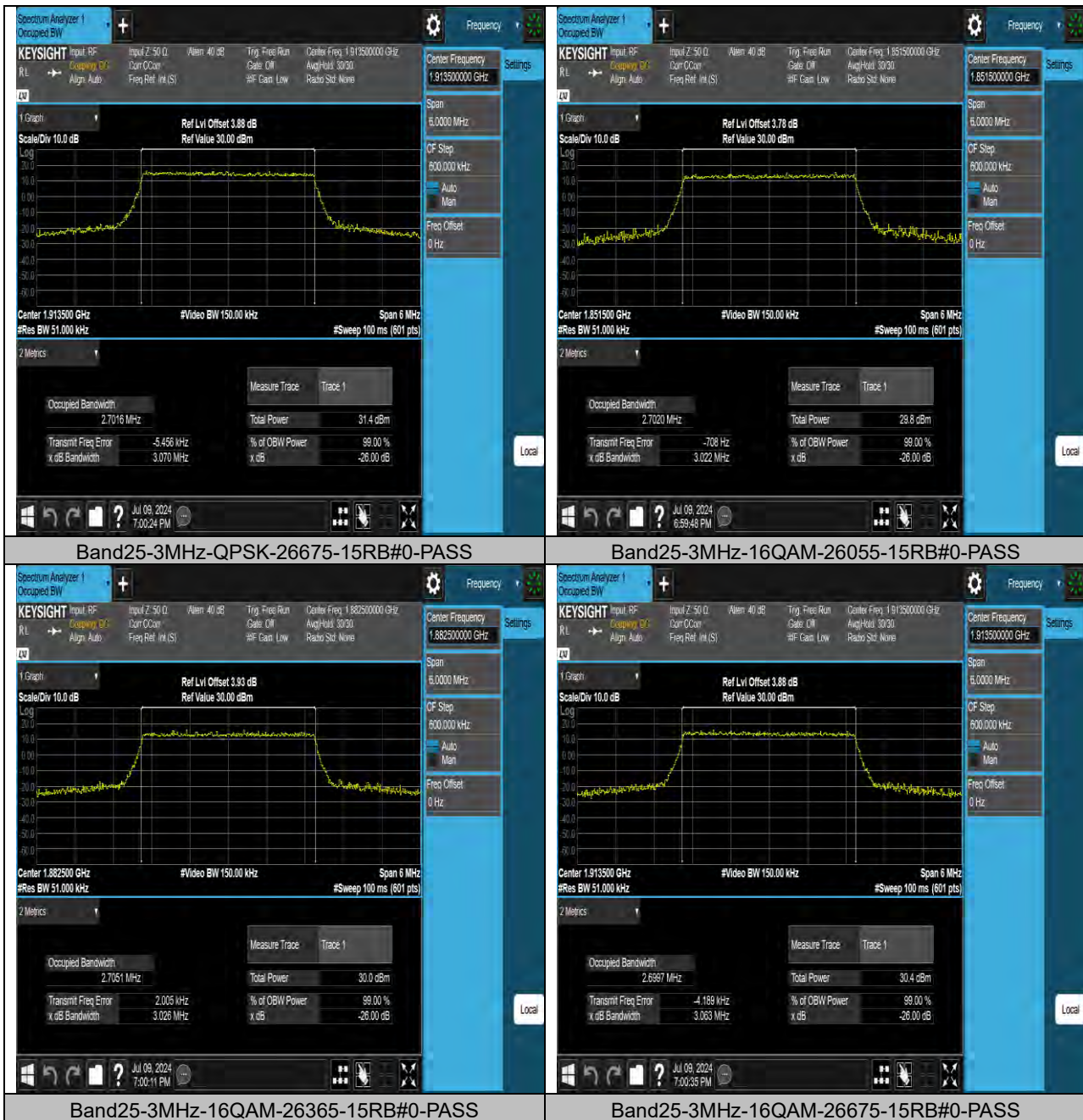
Reference No.: W7L-P24070005RF02





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VERITAS

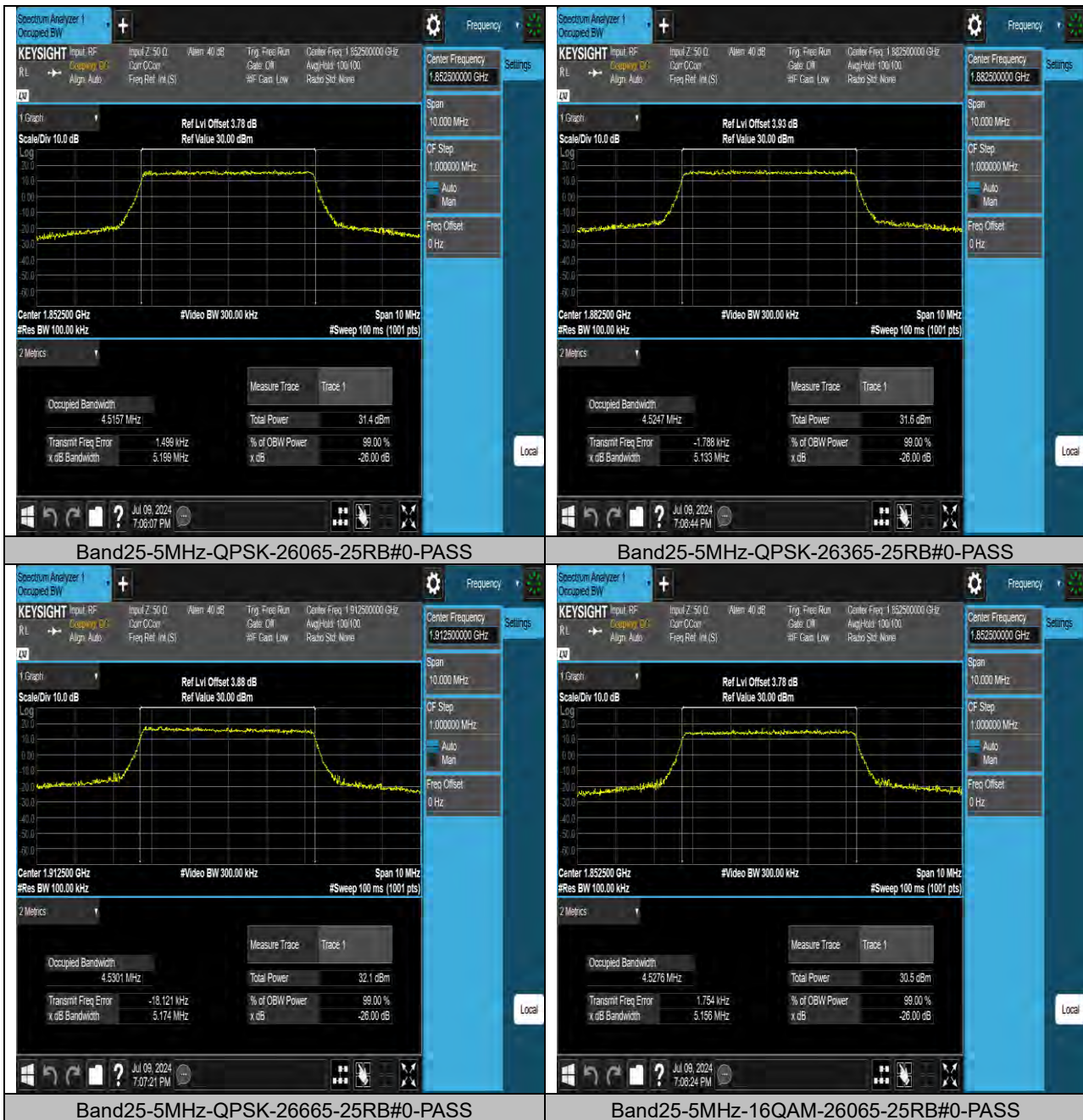
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VERITAS

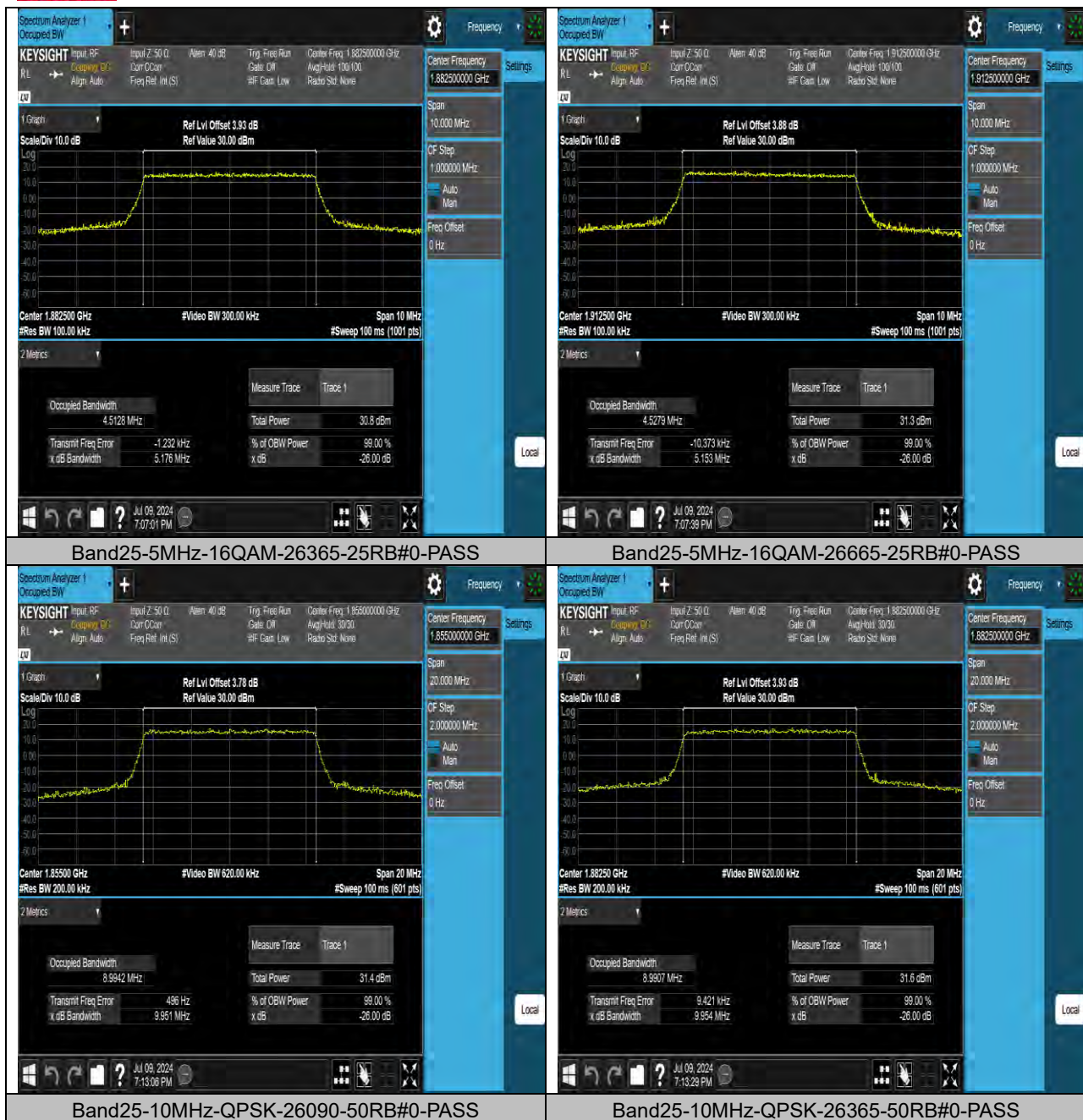
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VERITAS

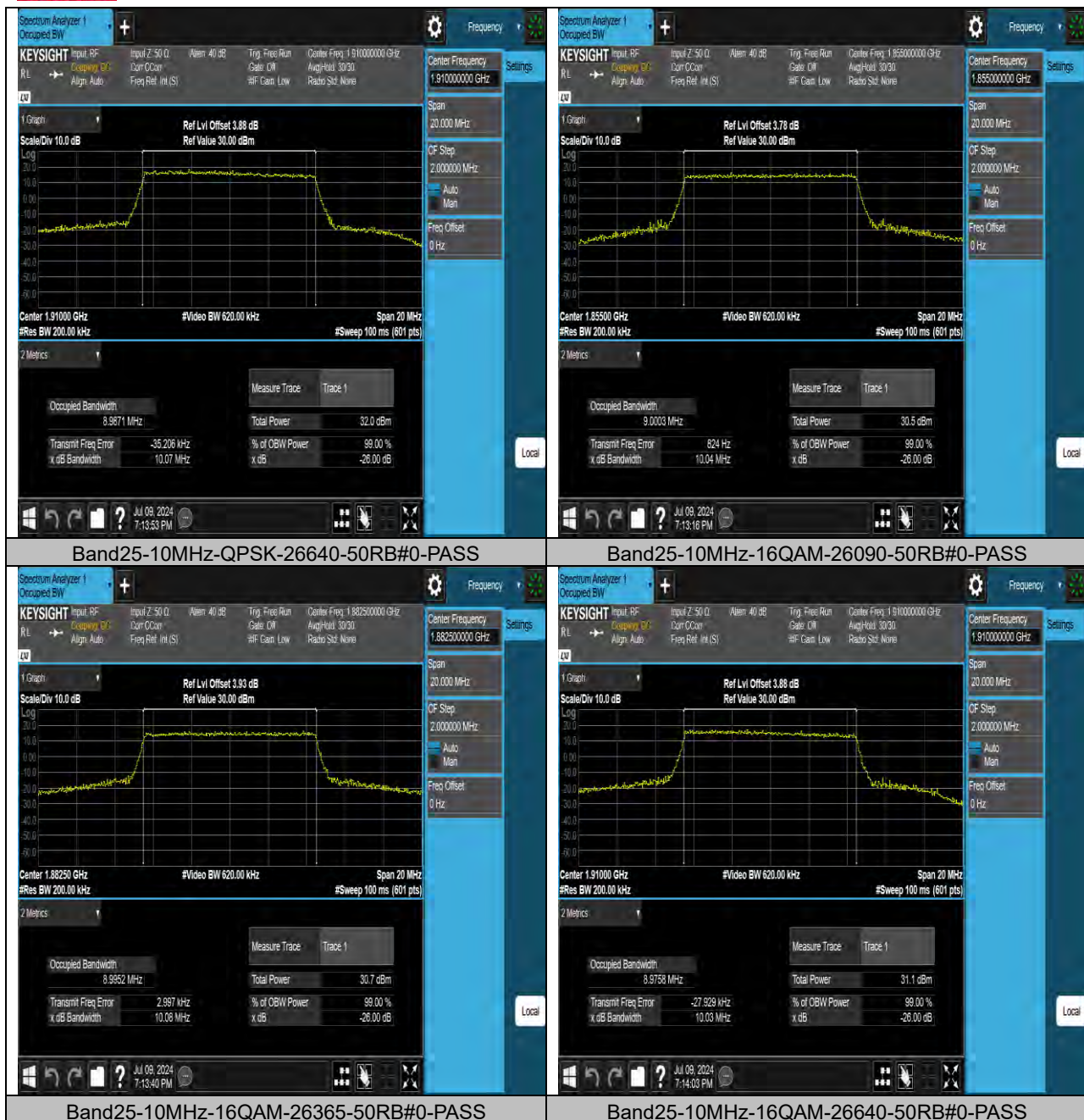
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VERITAS

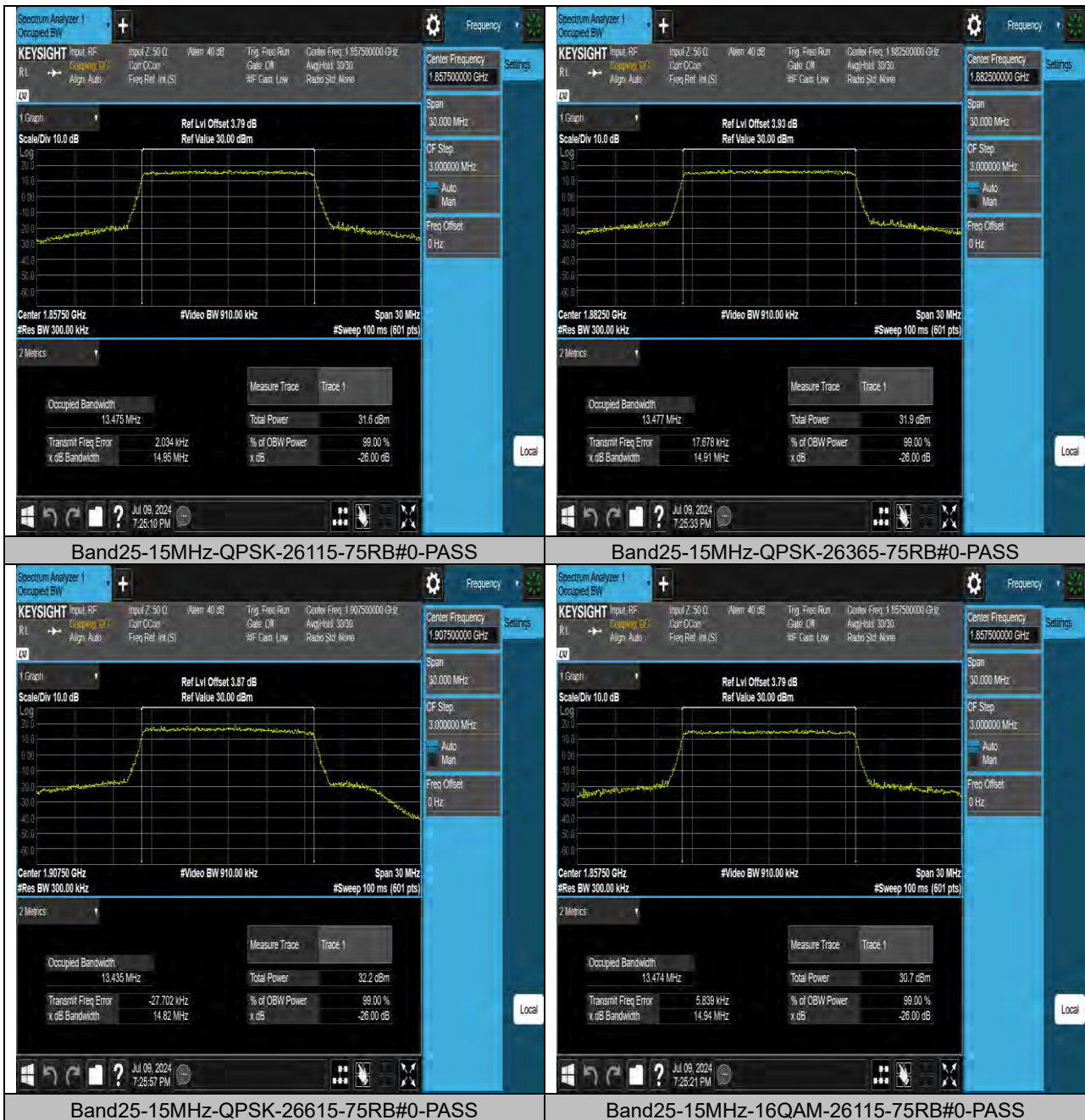
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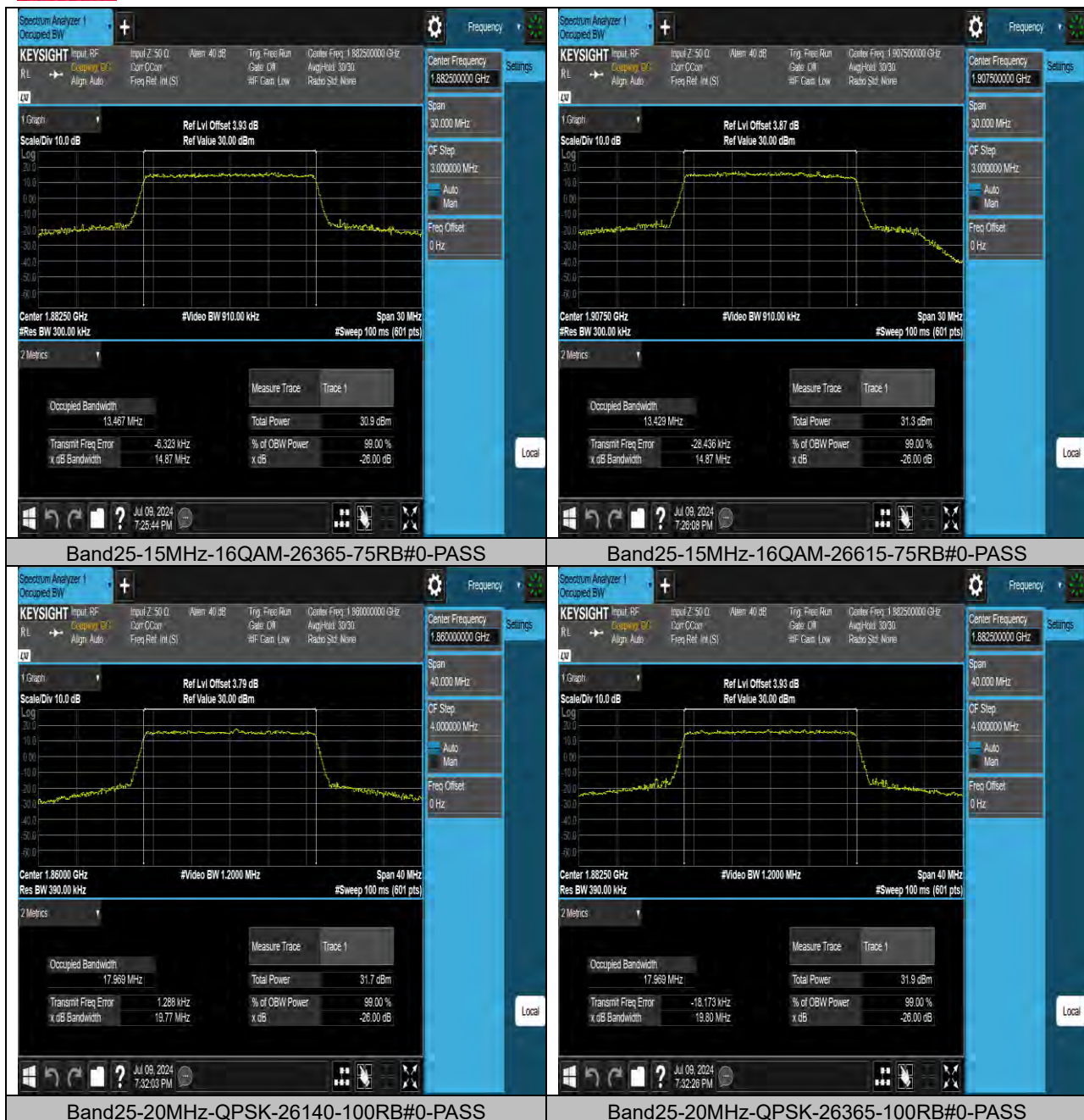
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VERITAS

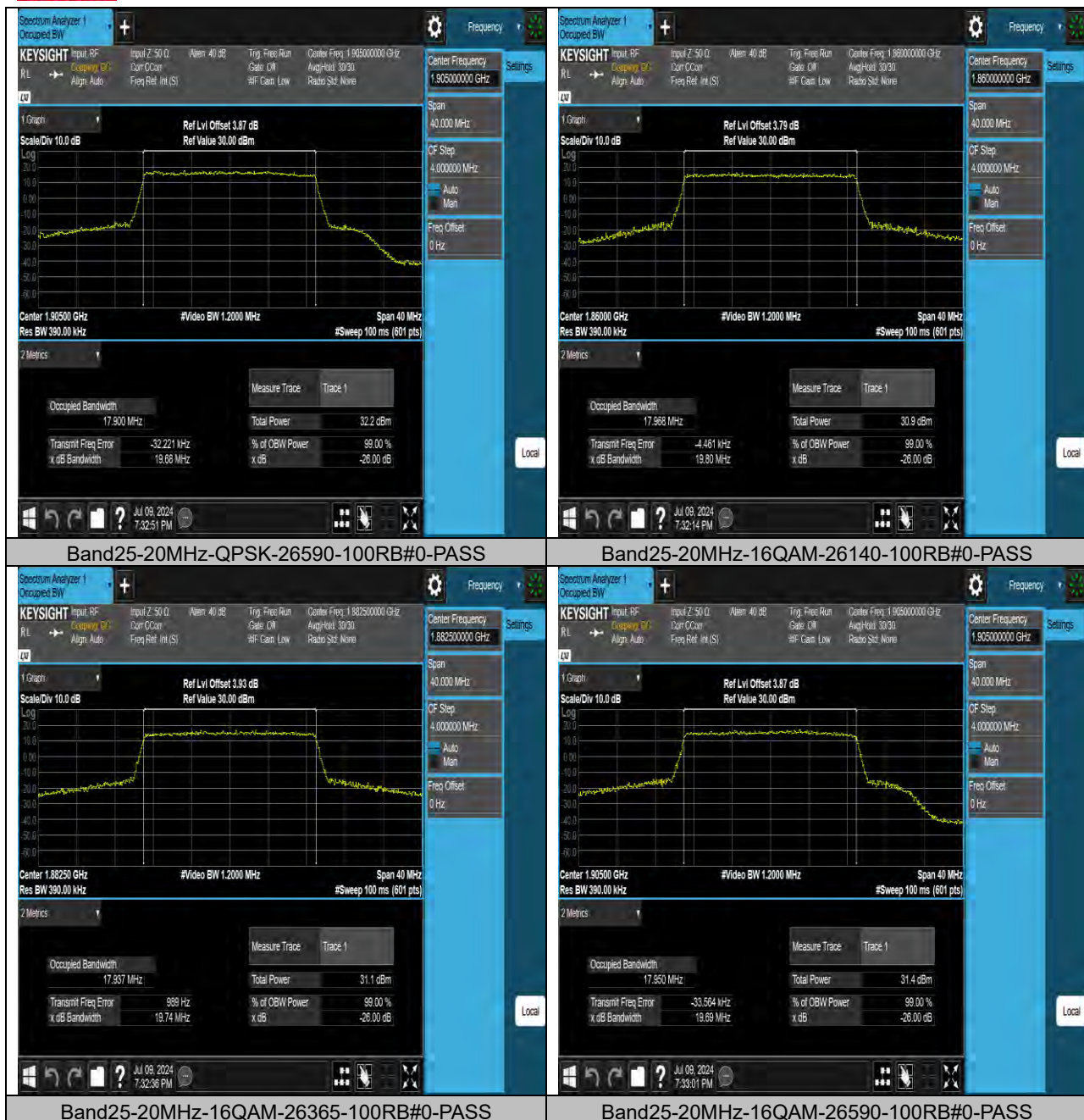
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VERITAS

Reference No.: W7L-P24070005RF02





Reference No.: W7L-P24070005RF02

BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	-22.13	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	-26.44	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	-21.12	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	-27.87	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	-23.43	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	-30.01	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	-24.22	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	-27.92	PASS
Band25	3MHz	QPSK	26055	1RB#0	-24.82	PASS
Band25	3MHz	QPSK	26055	15RB#0	-29.23	PASS
Band25	3MHz	QPSK	26675	1RB#14	-24.58	PASS
Band25	3MHz	QPSK	26675	15RB#0	-26.08	PASS
Band25	3MHz	16QAM	26055	1RB#0	-26.85	PASS
Band25	3MHz	16QAM	26055	15RB#0	-30.74	PASS
Band25	3MHz	16QAM	26675	1RB#14	-26.21	PASS
Band25	3MHz	16QAM	26675	15RB#0	-29.10	PASS
Band25	5MHz	QPSK	26065	1RB#0	-28.98	PASS
Band25	5MHz	QPSK	26065	25RB#0	-31.68	PASS
Band25	5MHz	QPSK	26665	1RB#24	-28.25	PASS
Band25	5MHz	QPSK	26665	25RB#0	-26.72	PASS
Band25	5MHz	16QAM	26065	1RB#0	-30.68	PASS
Band25	5MHz	16QAM	26065	25RB#0	-32.28	PASS
Band25	5MHz	16QAM	26665	1RB#24	-30.09	PASS
Band25	5MHz	16QAM	26665	25RB#0	-31.07	PASS
Band25	10MHz	QPSK	26090	1RB#0	-36.04	PASS
Band25	10MHz	QPSK	26090	50RB#0	-34.30	PASS
Band25	10MHz	QPSK	26640	1RB#49	-34.56	PASS
Band25	10MHz	QPSK	26640	50RB#0	-27.58	PASS
Band25	10MHz	16QAM	26090	1RB#0	-36.66	PASS
Band25	10MHz	16QAM	26090	50RB#0	-34.22	PASS
Band25	10MHz	16QAM	26640	1RB#49	-36.05	PASS
Band25	10MHz	16QAM	26640	50RB#0	-32.14	PASS
Band25	15MHz	QPSK	26115	1RB#0	-36.25	PASS
Band25	15MHz	QPSK	26115	75RB#0	-33.96	PASS
Band25	15MHz	QPSK	26615	1RB#74	-35.10	PASS
Band25	15MHz	QPSK	26615	75RB#0	-27.83	PASS
Band25	15MHz	16QAM	26115	1RB#0	-37.41	PASS
Band25	15MHz	16QAM	26115	75RB#0	-35.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	-35.96	PASS
Band25	15MHz	16QAM	26615	75RB#0	-32.41	PASS
Band25	20MHz	QPSK	26140	1RB#0	-39.55	PASS
Band25	20MHz	QPSK	26140	100RB#0	-37.50	PASS
Band25	20MHz	QPSK	26590	1RB#99	-38.32	PASS
Band25	20MHz	QPSK	26590	100RB#0	-31.23	PASS

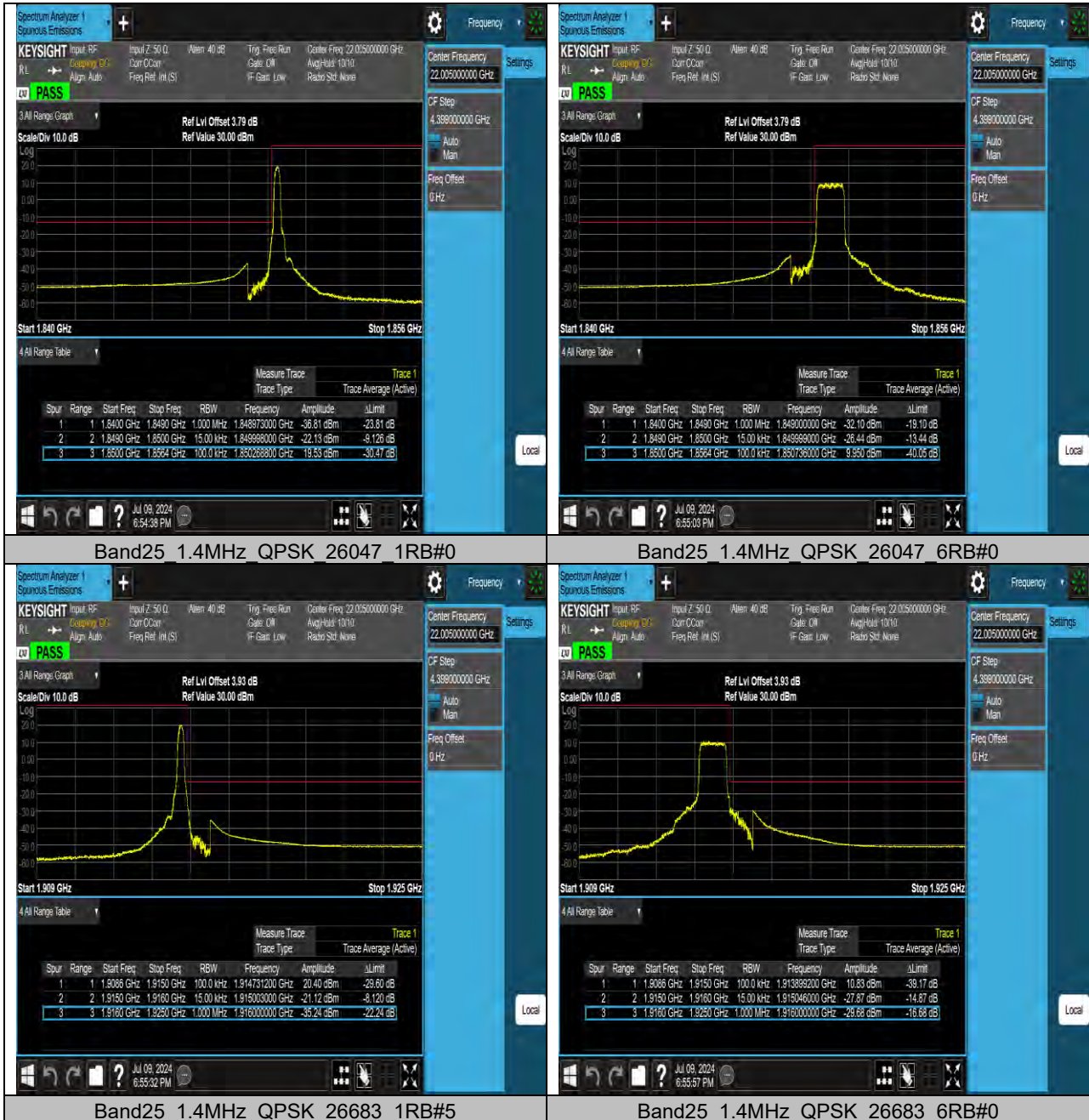


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Reference No.: W7L-P24070005RF02

Band25	20MHz	16QAM	26140	1RB#0	-40.66	PASS
Band25	20MHz	16QAM	26140	100RB#0	-37.37	PASS
Band25	20MHz	16QAM	26590	1RB#99	-39.22	PASS
Band25	20MHz	16QAM	26590	100RB#0	-34.98	PASS

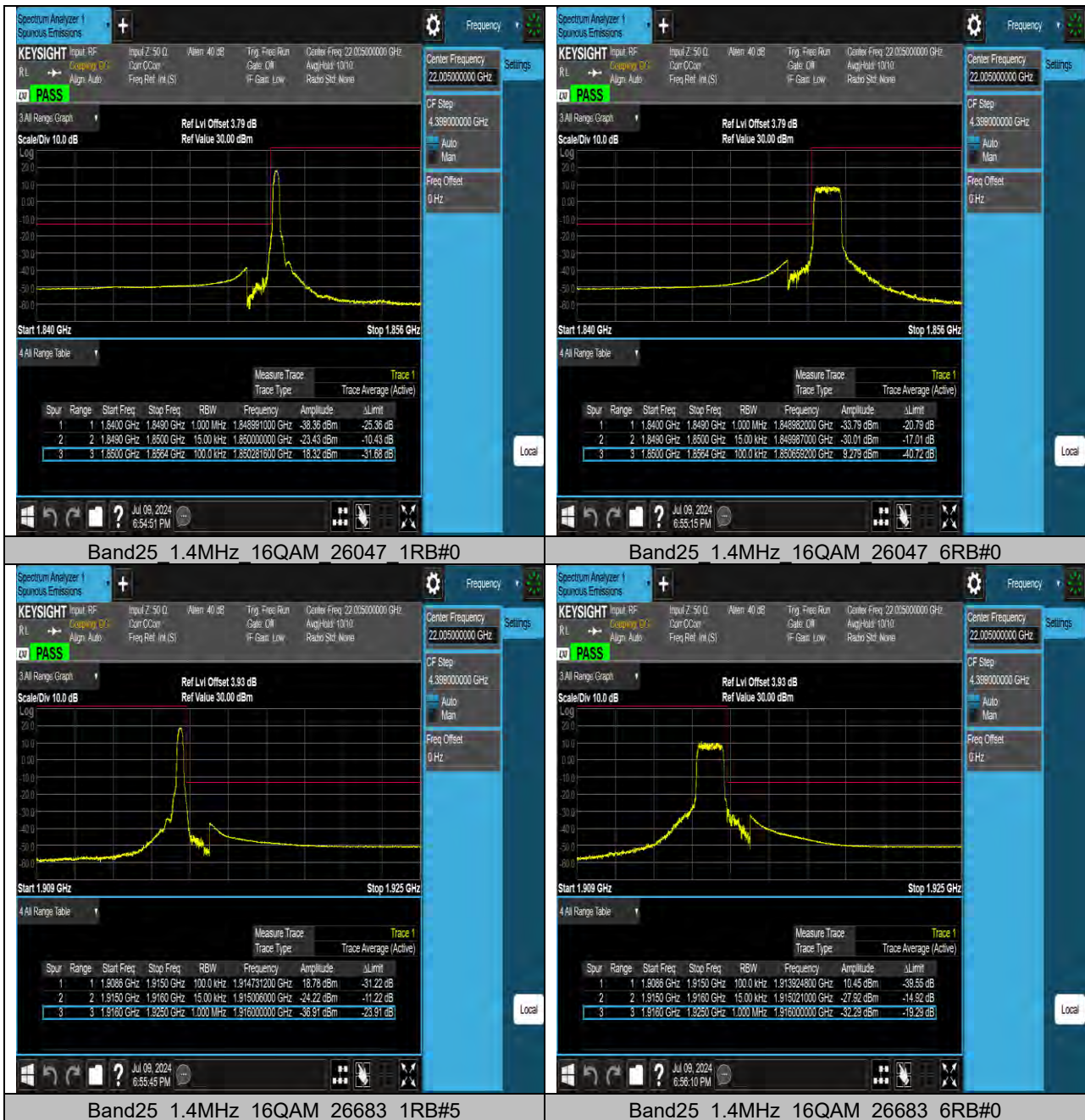
TEST GRAPHS





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VERITAS

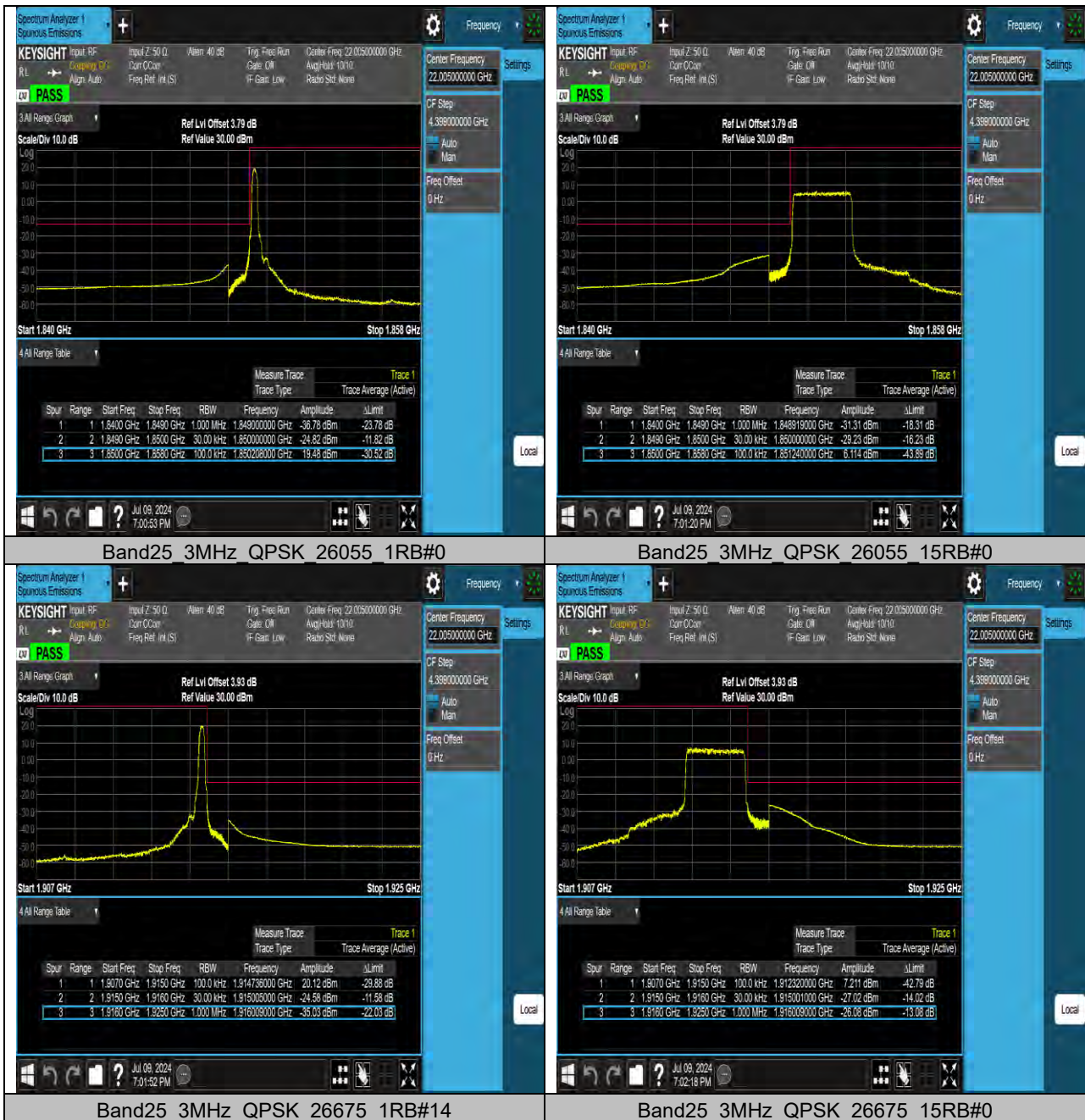
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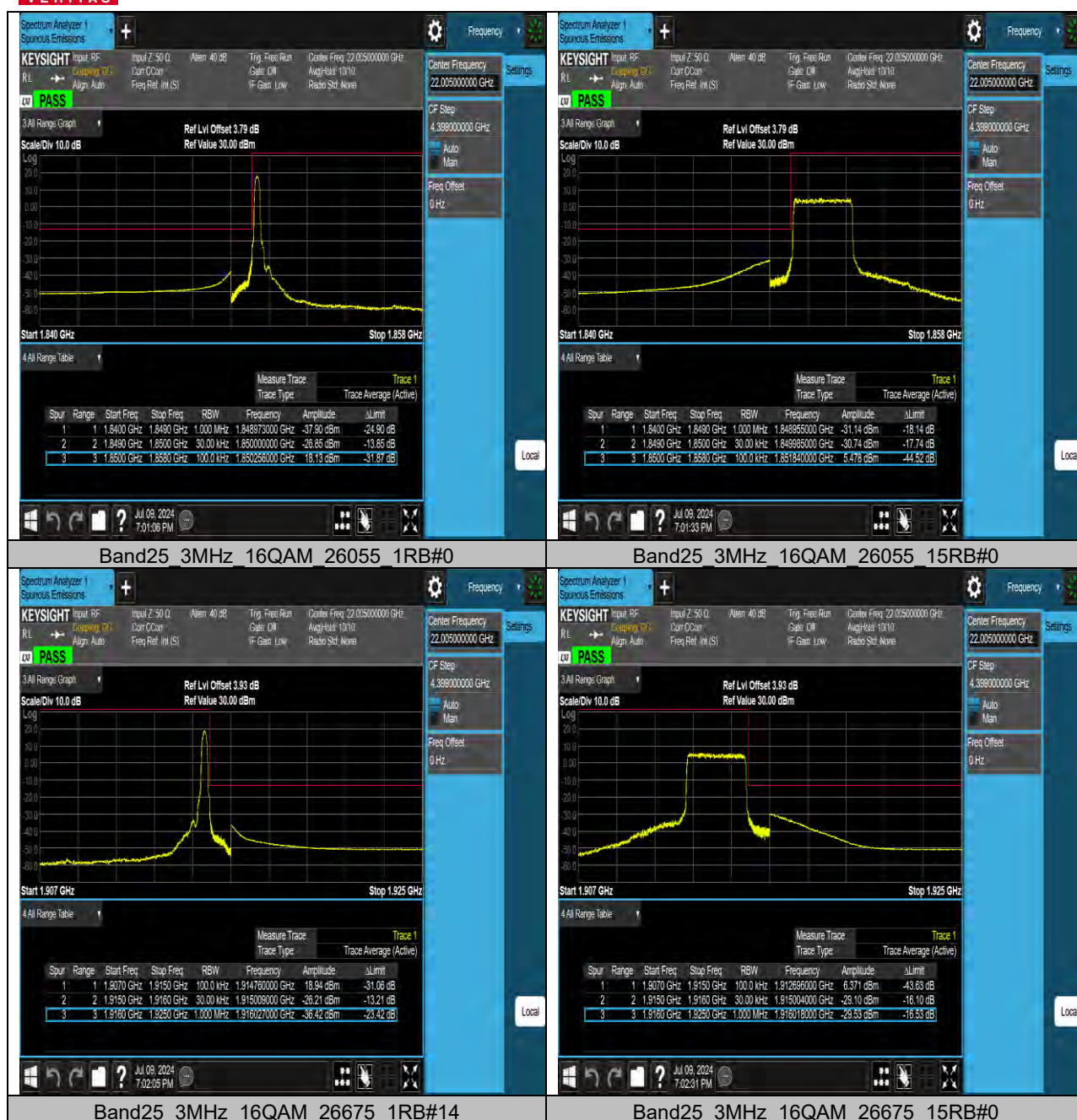
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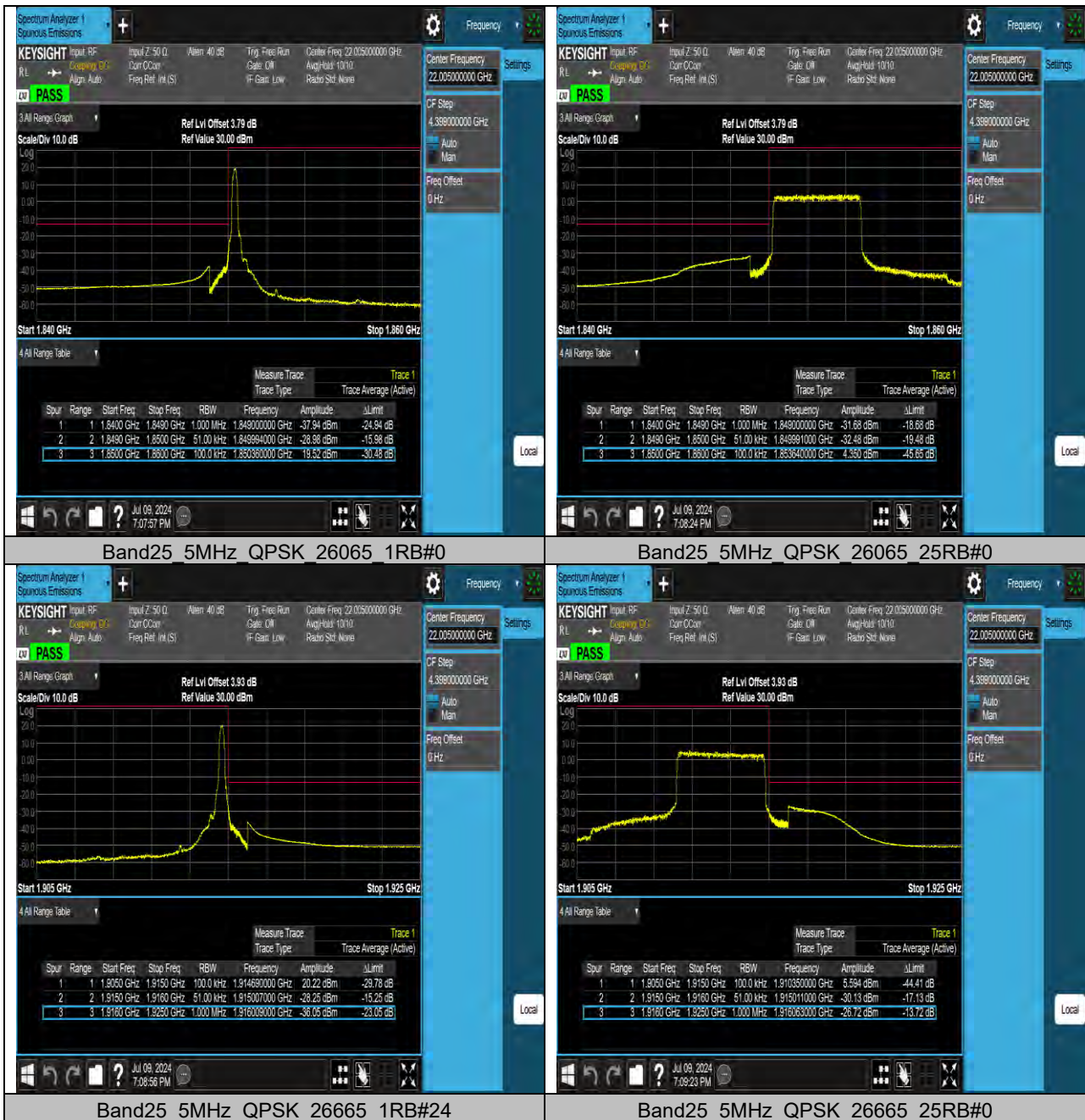
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VERITAS

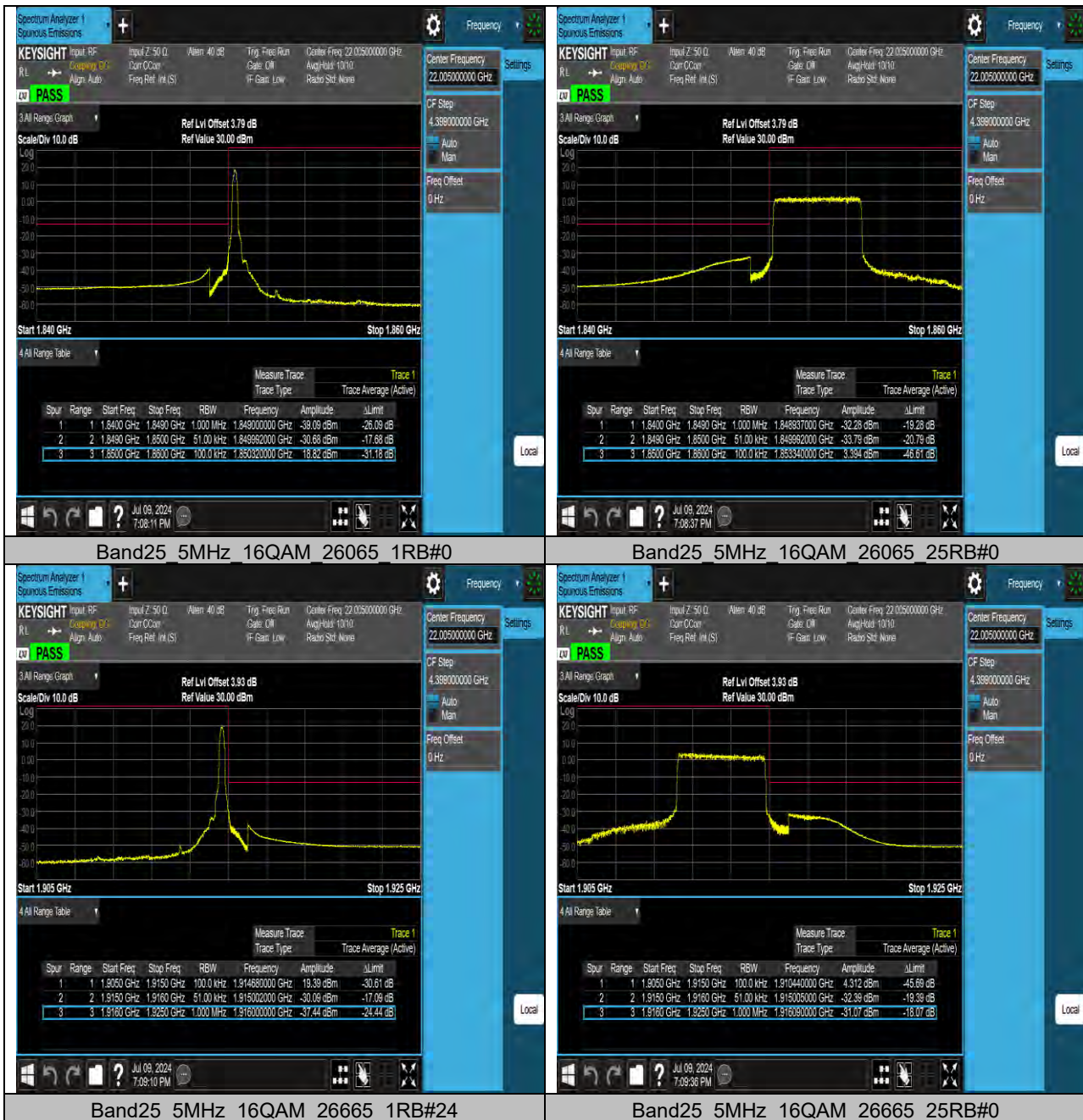
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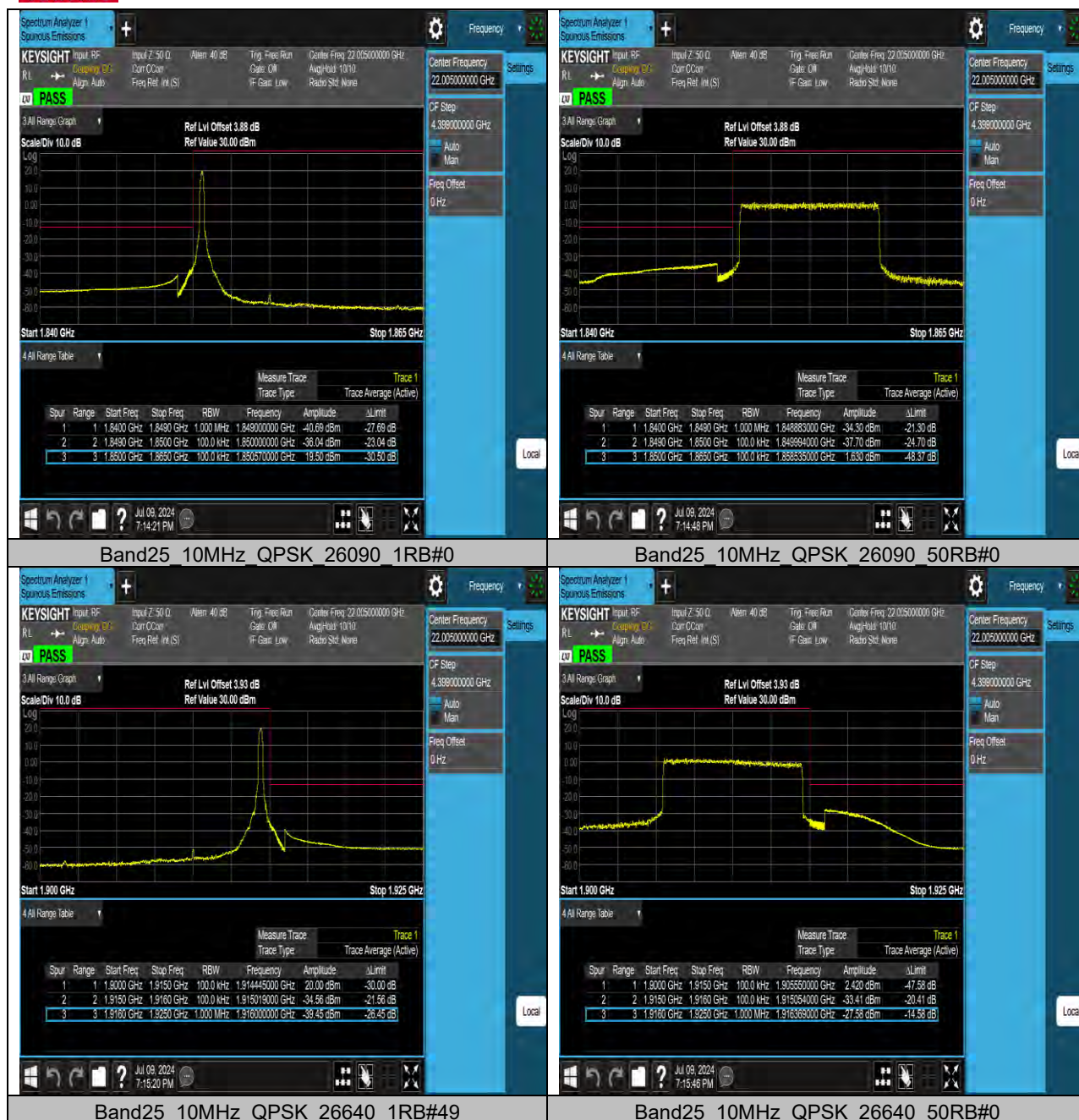
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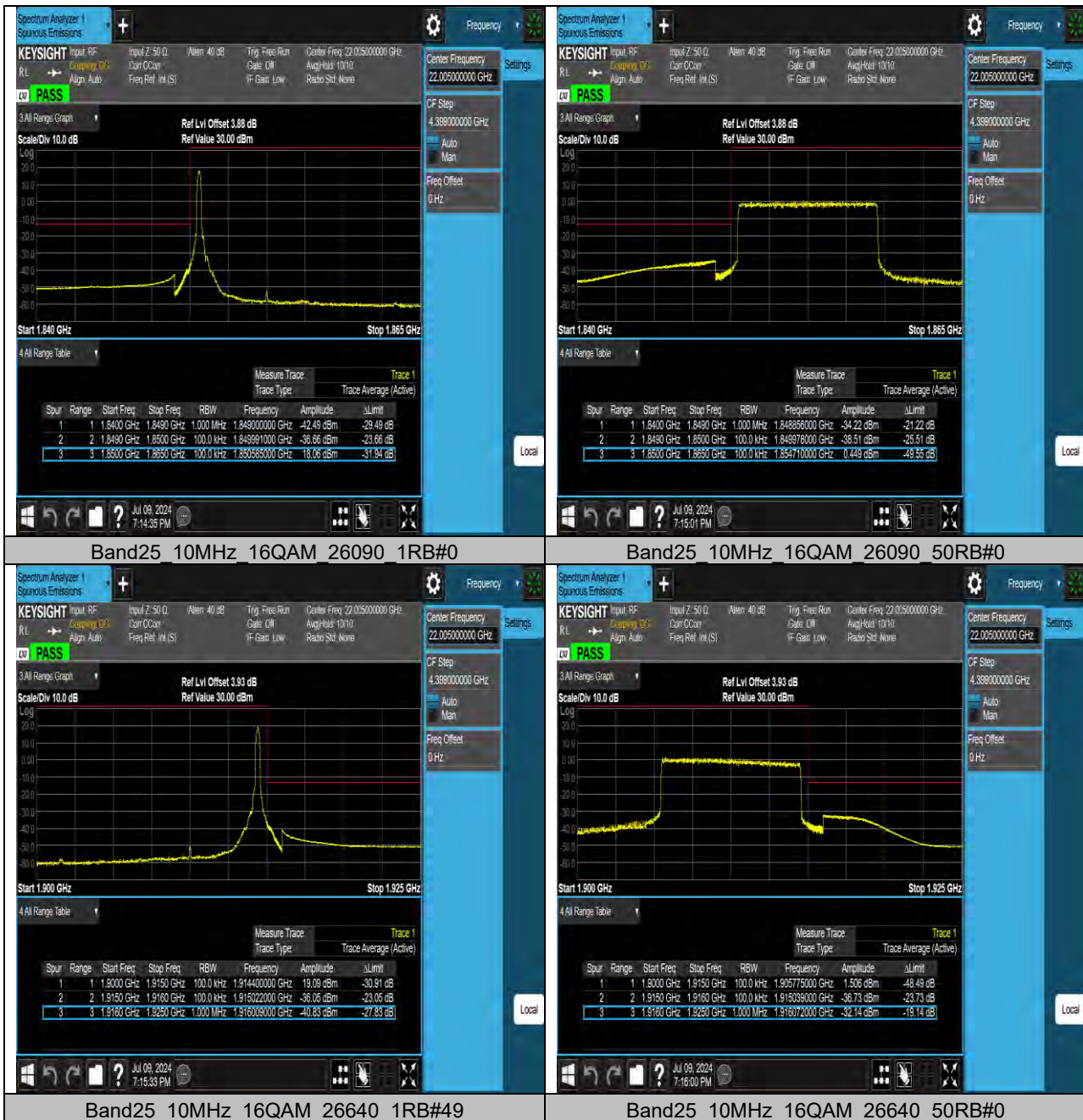
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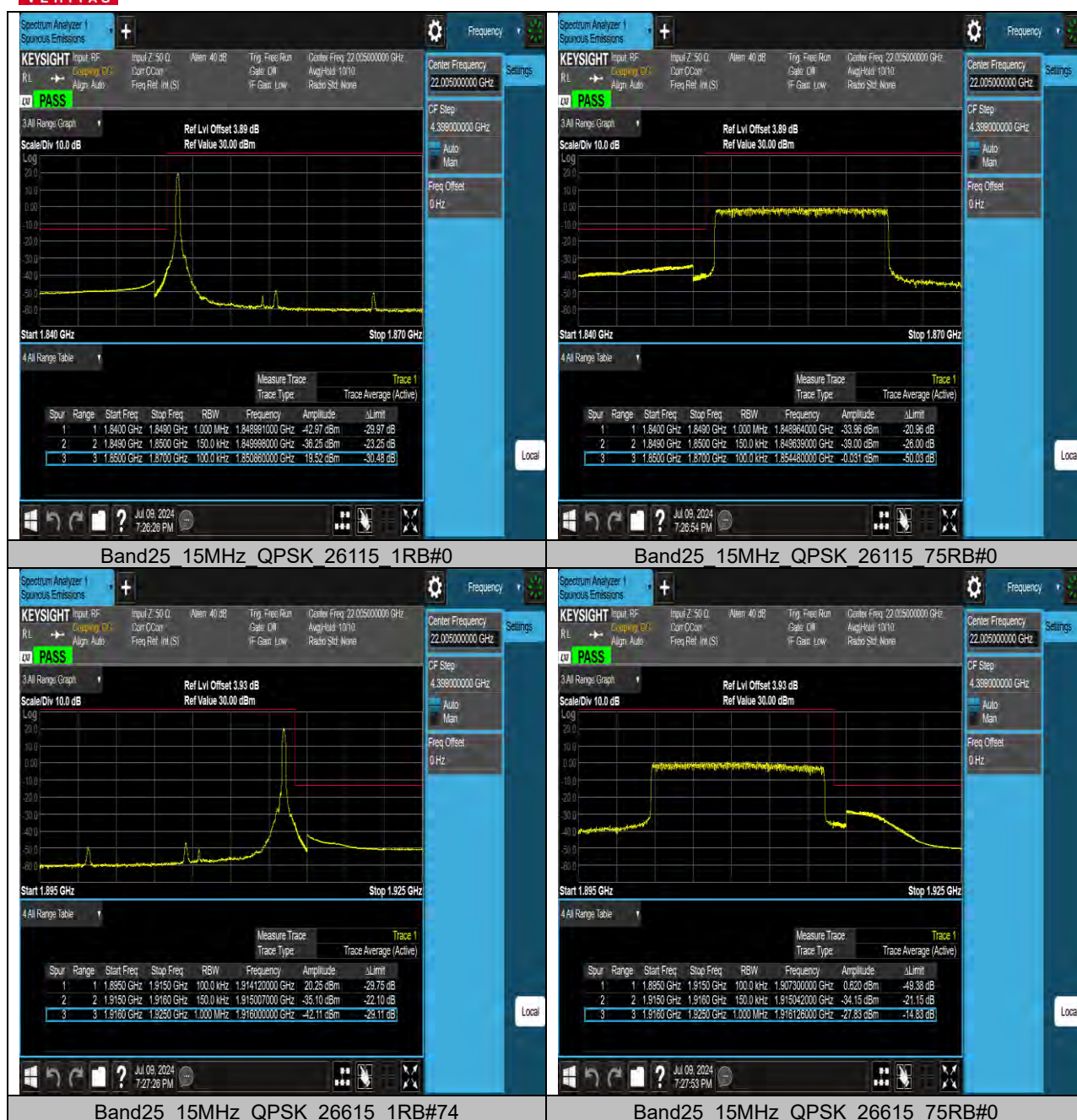
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Reference No.: W7L-P24070005RF02





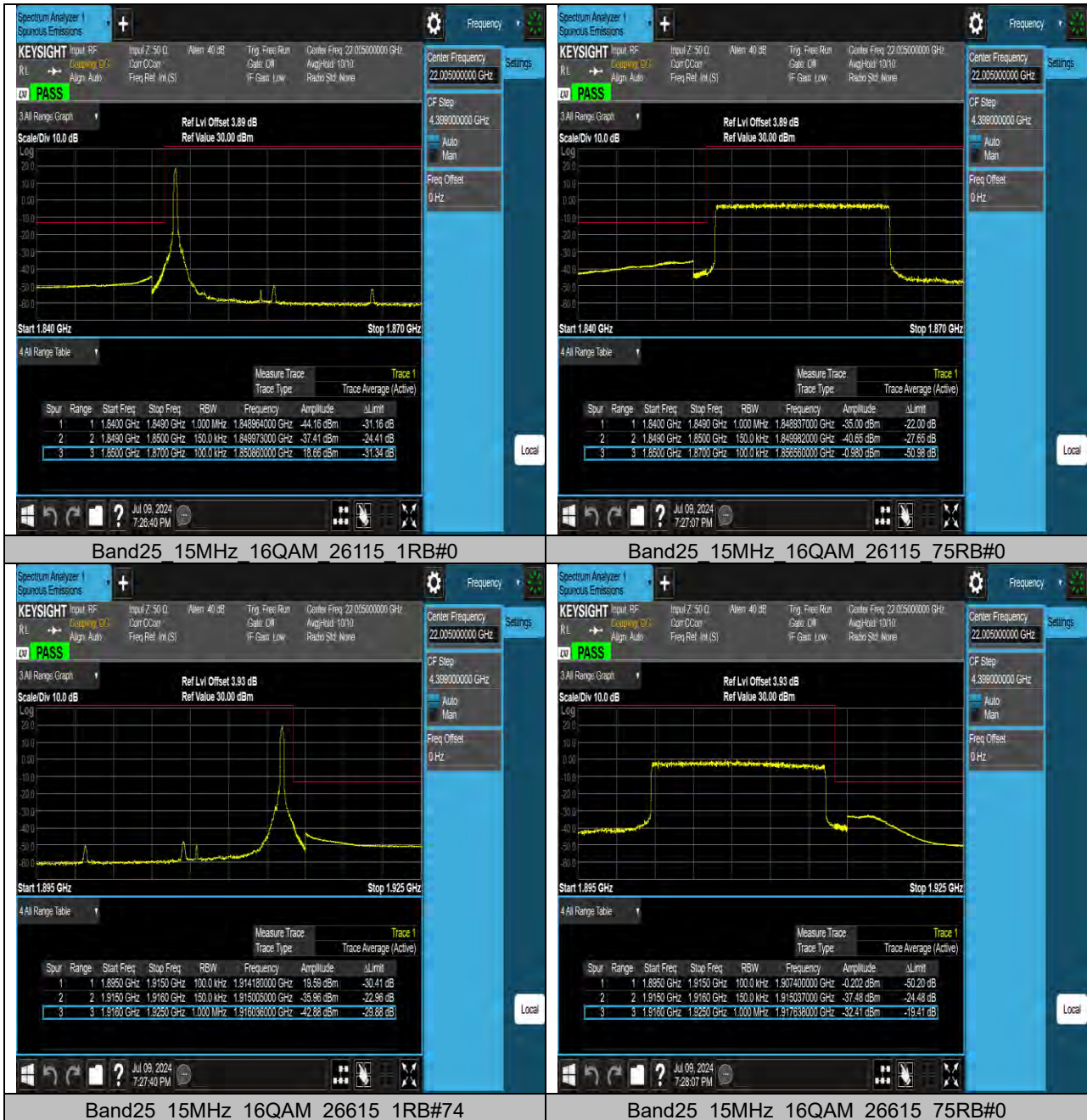
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VERITAS

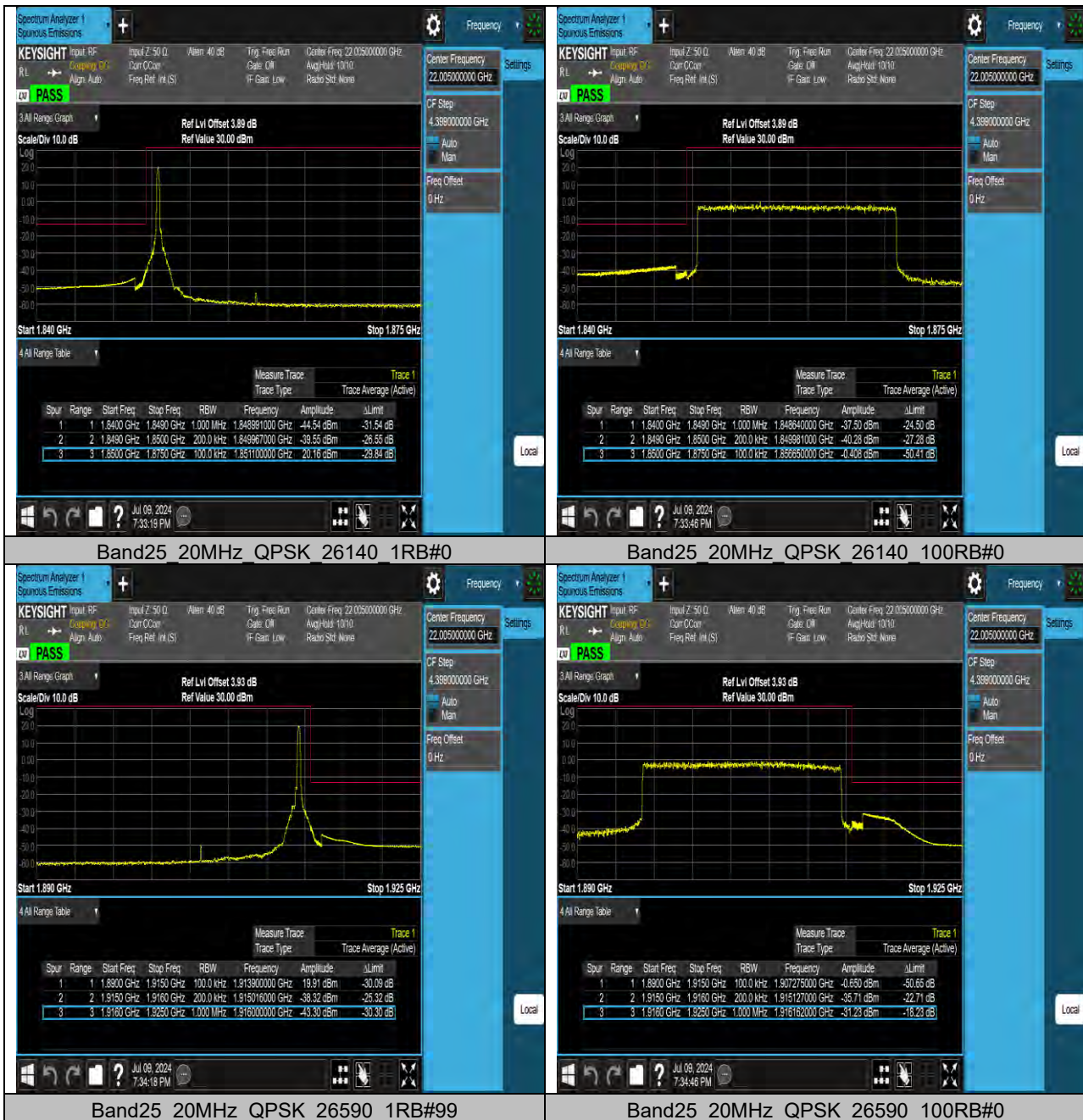
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VERITAS

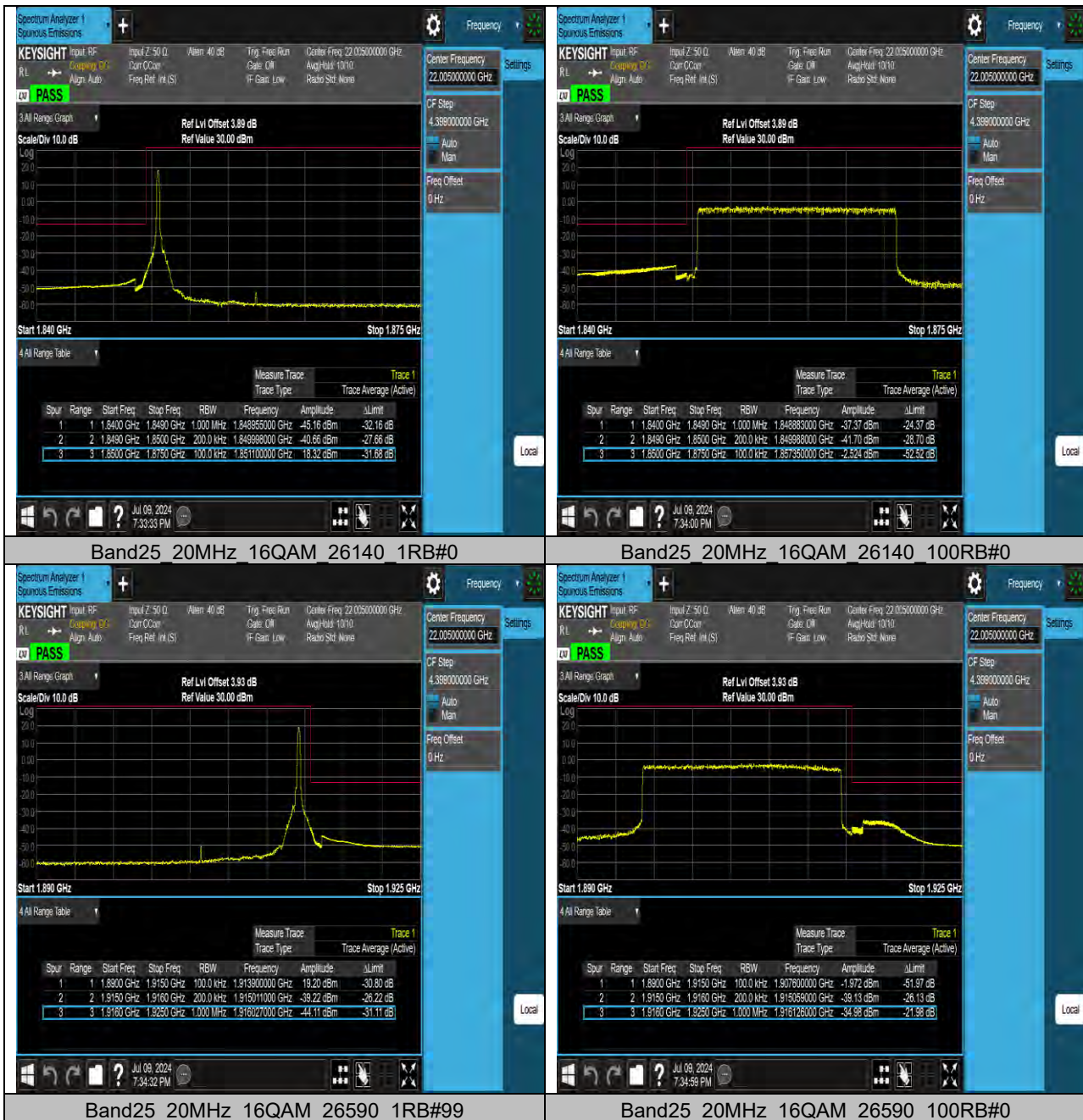
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VERITAS

Reference No.: W7L-P24070005RF02





Reference No.: W7L-P24070005RF02

CONDUCTED SPURIOUS EMISSION TEST RESULT

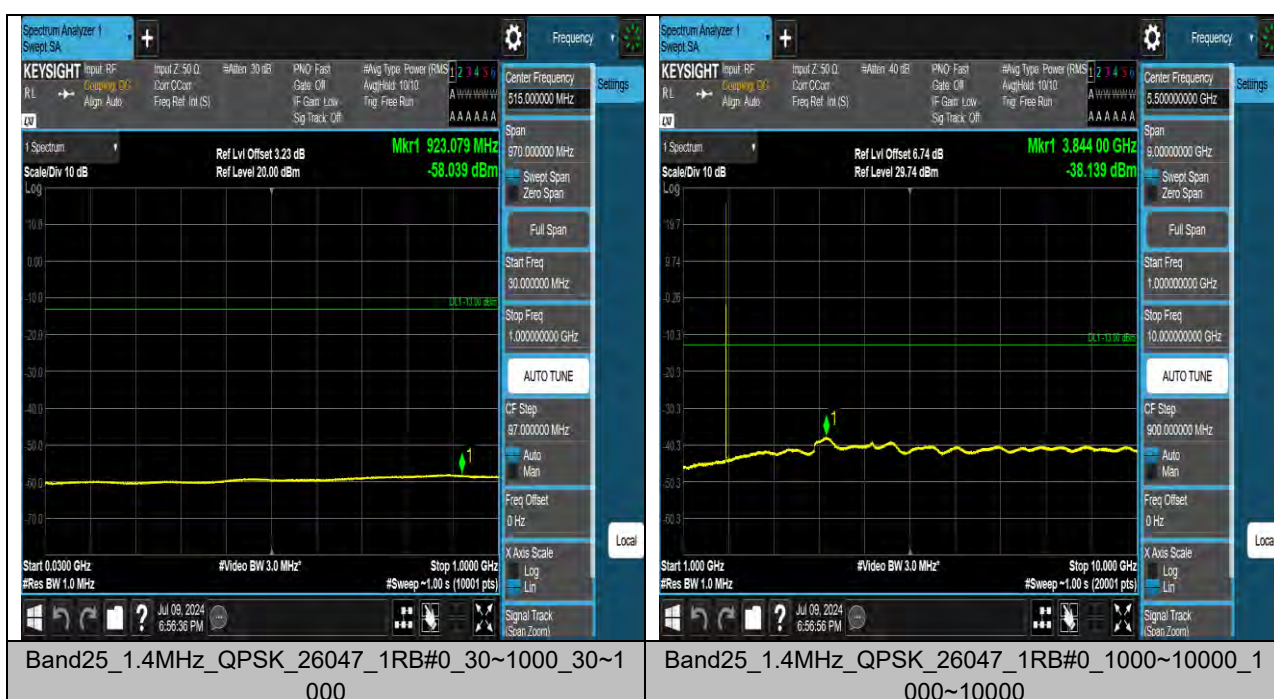
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	30~1000	-58.04	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	1000~10000	-38.14	PASS
Band25	1.4MHz	QPSK	26047	1RB#0	10000~20000	-35.62	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	30~1000	-57.93	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	1000~10000	-38.31	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	10000~20000	-35.65	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	30~1000	-58.01	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	1000~10000	-38.18	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	10000~20000	-35.70	PASS
Band25	3MHz	QPSK	26055	1RB#0	30~1000	-57.89	PASS
Band25	3MHz	QPSK	26055	1RB#0	1000~10000	-38.03	PASS
Band25	3MHz	QPSK	26055	1RB#0	10000~20000	-35.66	PASS
Band25	3MHz	QPSK	26365	1RB#0	30~1000	-57.98	PASS
Band25	3MHz	QPSK	26365	1RB#0	1000~10000	-38.26	PASS
Band25	3MHz	QPSK	26365	1RB#0	10000~20000	-35.73	PASS
Band25	3MHz	QPSK	26675	1RB#0	30~1000	-57.95	PASS
Band25	3MHz	QPSK	26675	1RB#0	1000~10000	-38.21	PASS
Band25	3MHz	QPSK	26675	1RB#0	10000~20000	-35.64	PASS
Band25	5MHz	QPSK	26065	1RB#0	30~1000	-58.01	PASS
Band25	5MHz	QPSK	26065	1RB#0	1000~10000	-38.14	PASS
Band25	5MHz	QPSK	26065	1RB#0	10000~20000	-35.68	PASS
Band25	5MHz	QPSK	26365	1RB#0	30~1000	-58.05	PASS
Band25	5MHz	QPSK	26365	1RB#0	1000~10000	-38.23	PASS
Band25	5MHz	QPSK	26365	1RB#0	10000~20000	-35.62	PASS
Band25	5MHz	QPSK	26665	1RB#0	30~1000	-57.76	PASS
Band25	5MHz	QPSK	26665	1RB#0	1000~10000	-38.23	PASS
Band25	5MHz	QPSK	26665	1RB#0	10000~20000	-35.71	PASS
Band25	10MHz	QPSK	26090	1RB#0	30~1000	-57.97	PASS
Band25	10MHz	QPSK	26090	1RB#0	1000~10000	-38.23	PASS
Band25	10MHz	QPSK	26090	1RB#0	10000~20000	-35.66	PASS
Band25	10MHz	QPSK	26365	1RB#0	30~1000	-57.98	PASS
Band25	10MHz	QPSK	26365	1RB#0	1000~10000	-38.19	PASS
Band25	10MHz	QPSK	26365	1RB#0	10000~20000	-35.61	PASS
Band25	10MHz	QPSK	26640	1RB#0	30~1000	-57.91	PASS
Band25	10MHz	QPSK	26640	1RB#0	1000~10000	-38.28	PASS
Band25	10MHz	QPSK	26640	1RB#0	10000~20000	-35.67	PASS
Band25	15MHz	QPSK	26115	1RB#0	30~1000	-58.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	1000~10000	-38.16	PASS
Band25	15MHz	QPSK	26115	1RB#0	10000~20000	-35.65	PASS
Band25	15MHz	QPSK	26365	1RB#0	30~1000	-57.97	PASS
Band25	15MHz	QPSK	26365	1RB#0	1000~10000	-38.21	PASS
Band25	15MHz	QPSK	26365	1RB#0	10000~20000	-35.60	PASS
Band25	15MHz	QPSK	26615	1RB#0	30~1000	-57.95	PASS



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Band25	15MHz	QPSK	26615	1RB#0	1000~10000	-38.29	PASS
Band25	15MHz	QPSK	26615	1RB#0	10000~20000	-35.60	PASS
Band25	20MHz	QPSK	26140	1RB#0	30~1000	-55.06	PASS
Band25	20MHz	QPSK	26140	1RB#0	1000~10000	-38.06	PASS
Band25	20MHz	QPSK	26140	1RB#0	10000~20000	-35.57	PASS
Band25	20MHz	QPSK	26365	1RB#0	30~1000	-58.02	PASS
Band25	20MHz	QPSK	26365	1RB#0	1000~10000	-38.13	PASS
Band25	20MHz	QPSK	26365	1RB#0	10000~20000	-35.66	PASS
Band25	20MHz	QPSK	26590	1RB#0	30~1000	-57.93	PASS
Band25	20MHz	QPSK	26590	1RB#0	1000~10000	-38.12	PASS
Band25	20MHz	QPSK	26590	1RB#0	10000~20000	-35.59	PASS

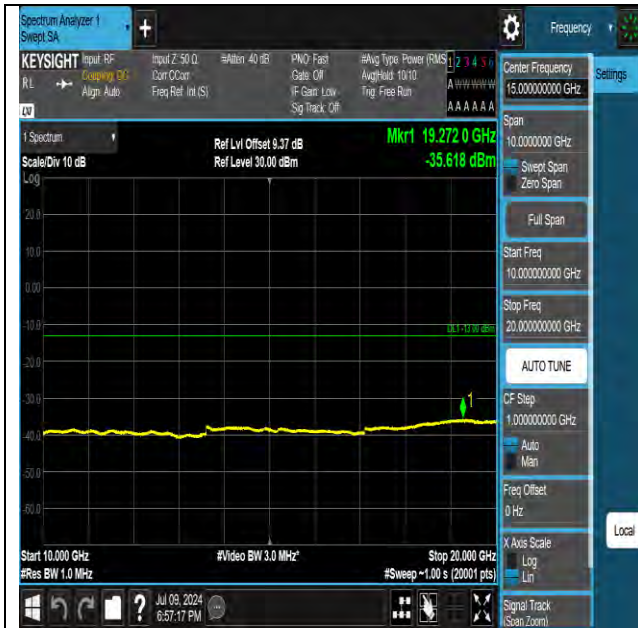
TEST GRAPHS





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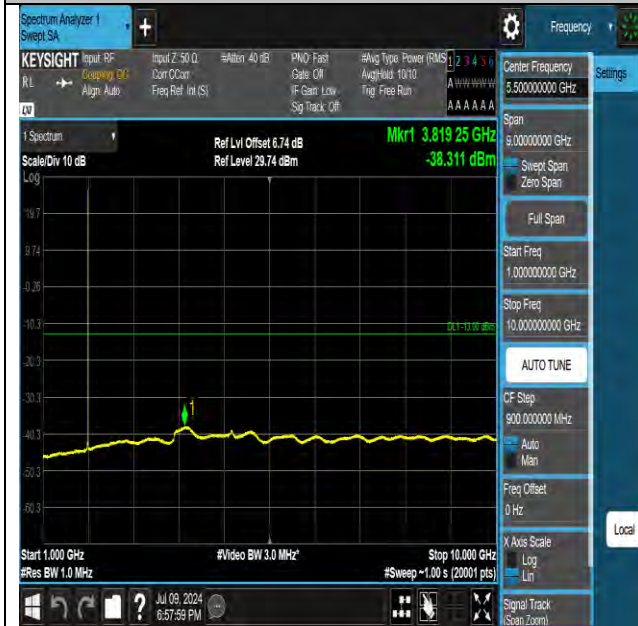
Reference No.: W7L-P24070005RF02



Band25_1.4MHz_QPSK_26047_1RB#0_10000~20000_10000~20000



Band25_1.4MHz_QPSK_26365_1RB#0_30~1000_30~1000_000



Band25_1.4MHz_QPSK_26365_1RB#0_1000~10000_1000~10000_000~10000



Band25_1.4MHz_QPSK_26365_1RB#0_10000~20000_10000~20000



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VERITAS

Reference No.: W7L-P24070005RF02



Band25_1.4MHz_QPSK_26683_1RB#0_30~1000_30~1000



Band25_1.4MHz_QPSK_26683_1RB#0_1000~10000_1000~10000



Band25_1.4MHz_QPSK_26683_1RB#0_10000~20000_10000~20000



Band25_3MHz_QPSK_26055_1RB#0_30~1000_30~1000



Reference No.: W7L-P24070005RF02





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VERITAS

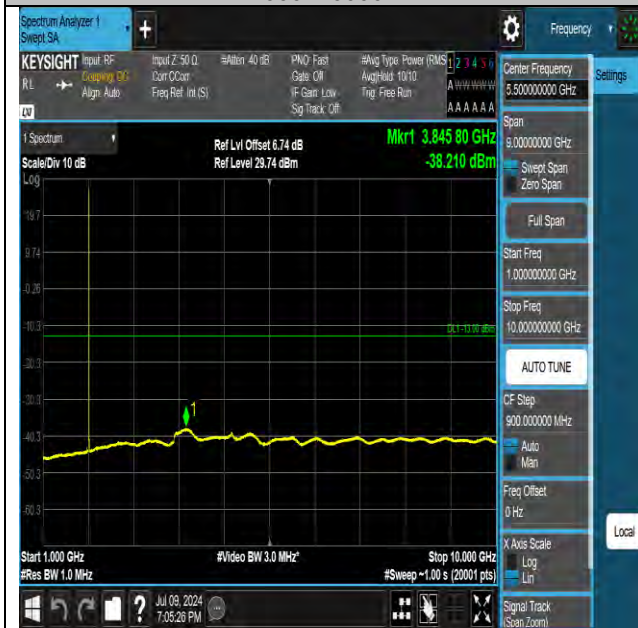
Reference No.: W7L-P24070005RF02



Band25_3MHz_QPSK_26365_1RB#0_10000~20000_10000~20000



Band25_3MHz_QPSK_26675_1RB#0_30~1000_30~1000



Band25_3MHz_QPSK_26675_1RB#0_1000~10000_1000~10000

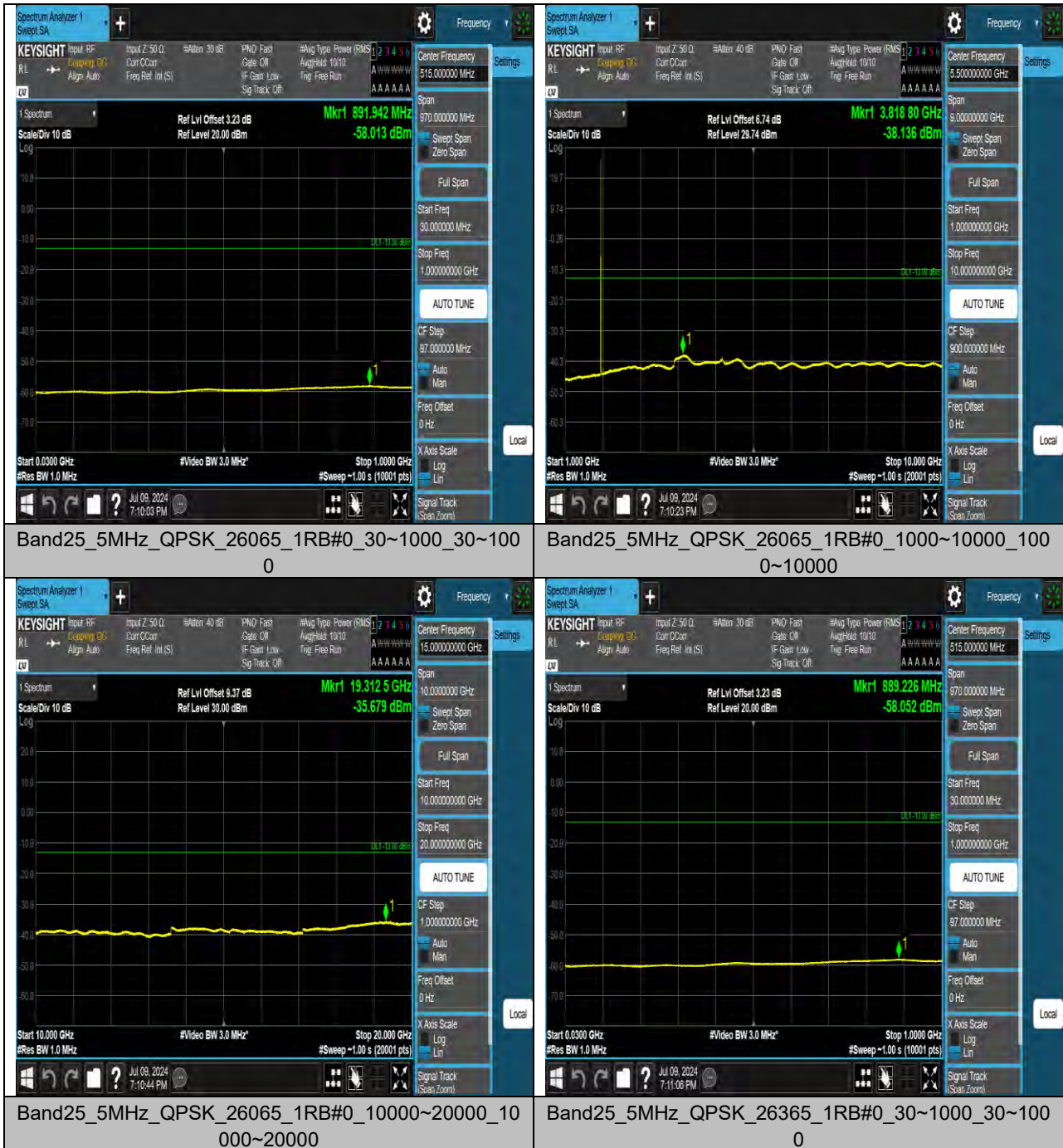


Band25_3MHz_QPSK_26675_1RB#0_10000~20000_10000~20000



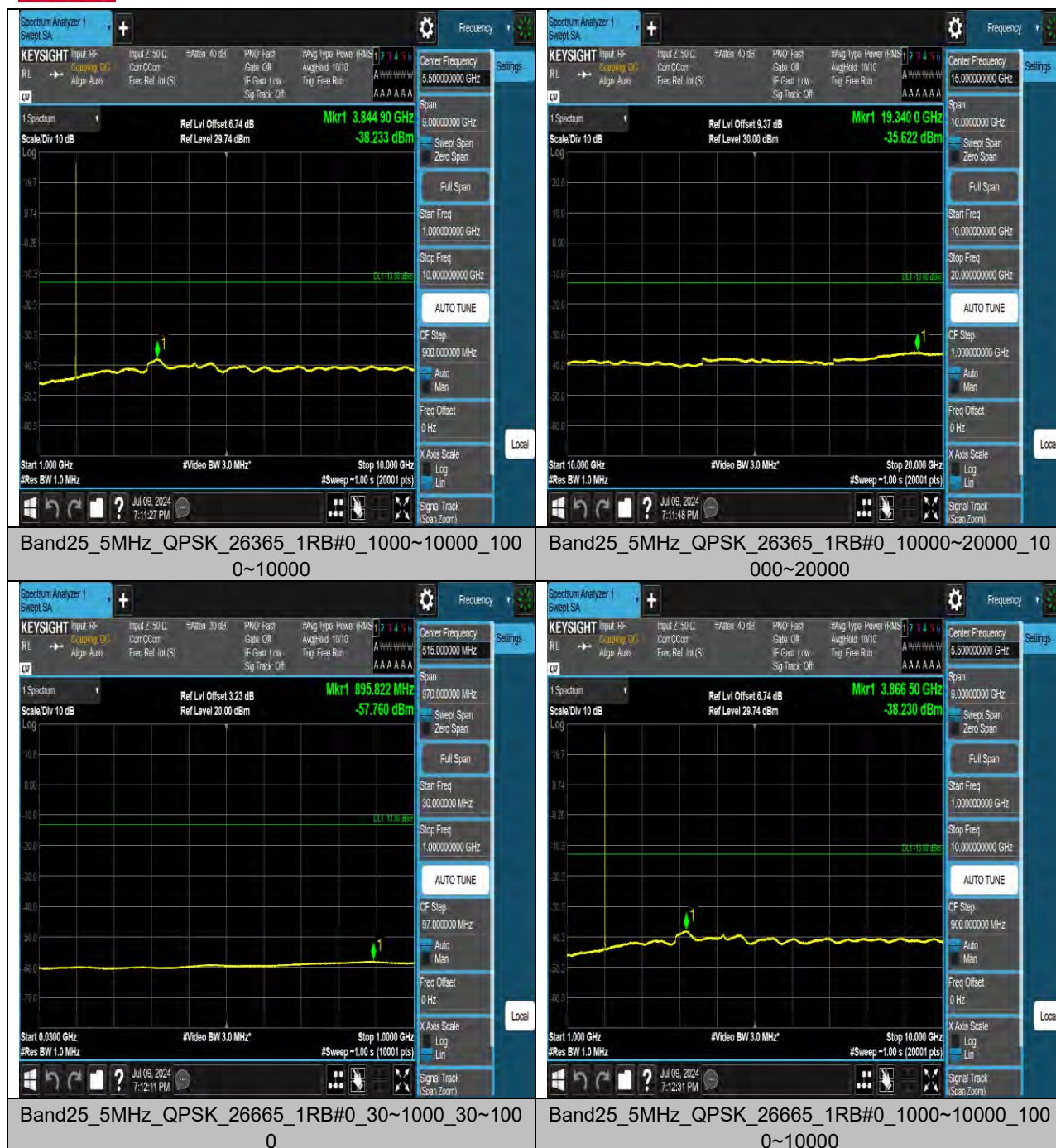
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Reference No.: W7L-P24070005RF02





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VERITAS

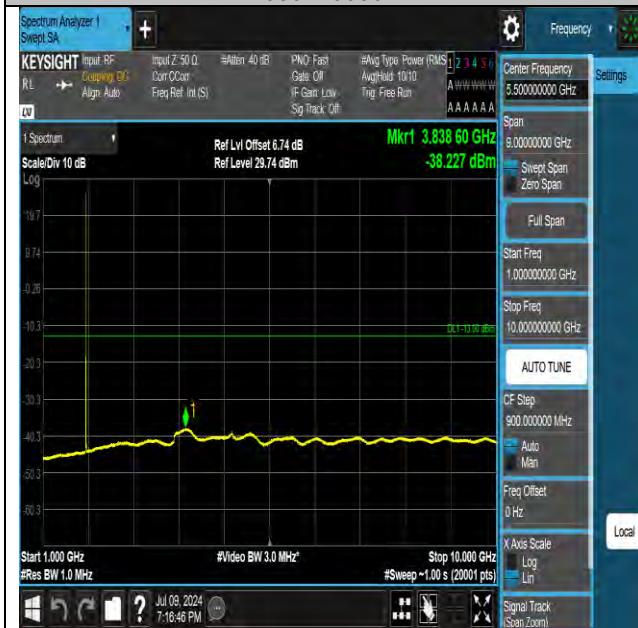
Reference No.: W7L-P24070005RF02



Band25_5MHz_QPSK_26665_1RB#0_10000~20000_10000~20000



Band25_10MHz_QPSK_26090_1RB#0_30~1000_30~1000



Band25_10MHz_QPSK_26090_1RB#0_1000~10000_1000~10000



Band25_10MHz_QPSK_26090_1RB#0_10000~20000_10000~20000



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Reference No.: W7L-P24070005RF02



Band25_10MHz_QPSK_26365_1RB#0_30~1000_30~10
00



Band25_10MHz_QPSK_26365_1RB#0_1000~10000_10
00~10000



Band25_10MHz_QPSK_26365_1RB#0_10000~20000_1
0000~20000



Band25_10MHz_QPSK_26640_1RB#0_30~1000_30~10
00



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Reference No.: W7L-P24070005RF02





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Reference No.: W7L-P24070005RF02



Band25_15MHz_QPSK_26115_1RB#0_10000~20000_10000~20000



Band25_15MHz_QPSK_26365_1RB#0_30~1000_30~1000



Band25_15MHz_QPSK_26365_1RB#0_1000~10000_1000~10000



Band25_15MHz_QPSK_26365_1RB#0_10000~20000_10000~20000



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Reference No.: W7L-P24070005RF02



Band25_15MHz_QPSK_26615_1RB#0_30~1000_30~1000



Band25_15MHz_QPSK_26615_1RB#0_1000~10000_1000~10000



Band25_15MHz_QPSK_26615_1RB#0_10000~20000_10000~20000



Band25_20MHz_QPSK_26140_1RB#0_30~1000_30~1000



BUREAU
VERITAS

Reference No.: W7L-P24070005RF02



Band25_20MHz_QPSK_26140_1RB#0_1000~10000_1000~10000



Band25_20MHz_QPSK_26140_1RB#0_10000~20000_10000~20000



Band25_20MHz_QPSK_26365_1RB#0_30~1000_30~1000



Band25_20MHz_QPSK_26365_1RB#0_1000~10000_1000~10000



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Reference No.: W7L-P24070005RF02





Reference No.: W7L-P24070005RF02

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
Band25	10MHz	QPSK	26090	50RB#0	VN	NT	3530.00	1.902965	1850.54068	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	VL	NT	-4110.00	-2.215633	1850.52979	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	VH	NT	-2590.00	-1.396226	1850.53031	---	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	VN	NT	990.50	0.518586	---	1914.4579	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	VL	NT	-1223.93	-0.640803	---	1914.46296	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	VH	NT	-1453.51	-0.761002	---	1914.45438	1850-1915	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band25	10MHz	QPSK	26090	50RB#0	NV	-30	-1114.94	-0.601046	1850.53587	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	-20	1230.57	0.663381	1850.53511	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	-10	-1263.90	-0.681350	1850.52837	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	0	-1274.63	-0.687131	1850.53367	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	10	1168.29	0.629805	1850.5346	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	20	-1330.14	-0.717055	1850.52109	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	30	1237.86	0.667312	1850.52217	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	40	1064.00	0.573587	1850.53184	---	1850-1915	PASS
Band25	10MHz	QPSK	26090	50RB#0	NV	50	-1101.66	-0.593886	1850.52904	---	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	NV	-30	925.05	0.484317	---	1914.44632	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	NV	-20	-953.95	-0.499450	---	1914.45378	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	NV	-10	-1084.07	-0.567575	---	1914.45839	1850-1915	PASS
Band25	10MHz	QPSK	26640	50RB#0	NV	0	959.0	0.502	---	1914.	1850-	PASS



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Reference No.: W7L-P24070005RF02

5	z			#0			4	116		45985	1915	
Band2 5	10MH z	QPSK	26640	50RB #0	NV	10	803.8 5	0.420 862	---	1914. 45895	1850- 1915	PASS
Band2 5	10MH z	QPSK	26640	50RB #0	NV	20	-387.7 2	-0.202 995	---	1914. 46359	1850- 1915	PASS
Band2 5	10MH z	QPSK	26640	50RB #0	NV	30	-489.0 7	-0.256 056	---	1914. 45797	1850- 1915	PASS
Band2 5	10MH z	QPSK	26640	50RB #0	NV	40	-925.9 3	-0.484 781	---	1914. 45477	1850- 1915	PASS
Band2 5	10MH z	QPSK	26640	50RB #0	NV	50	-1168. 39	-0.611 721	---	1914. 45278	1850- 1915	PASS

--END--