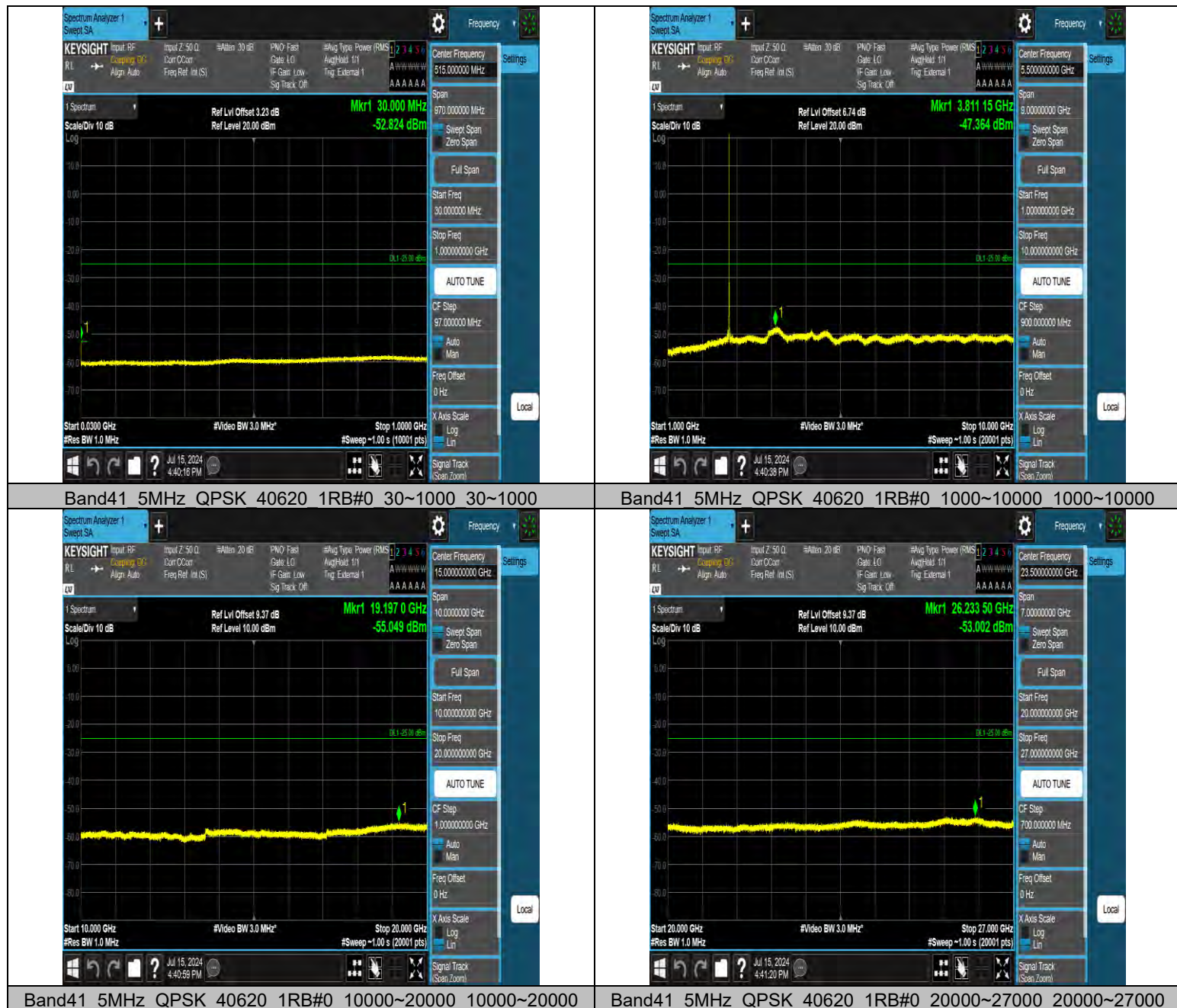




Test Report No.: W7L-240618W001RF08



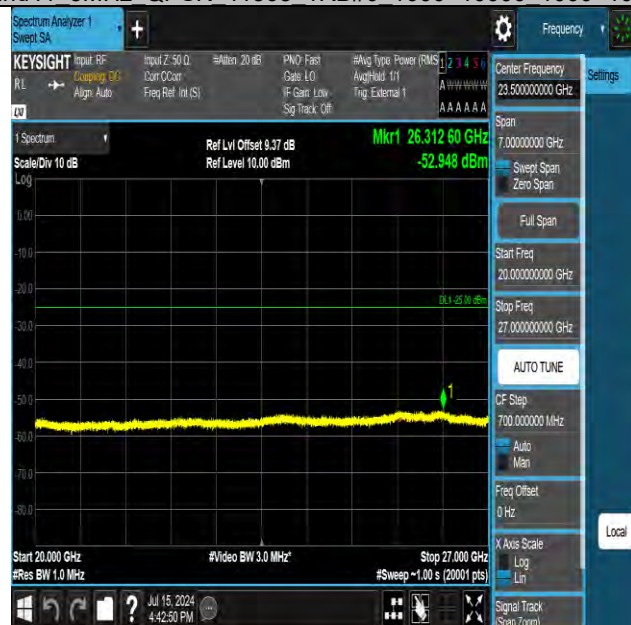
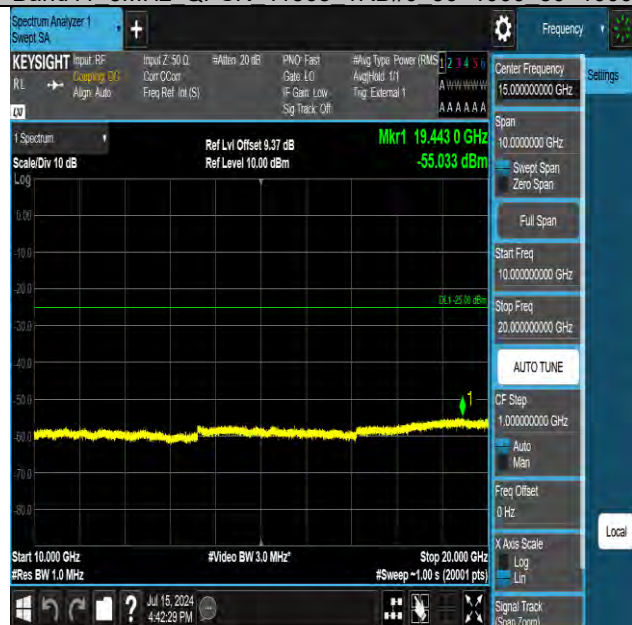


Test Report No.: W7L-240618W001RF08



Band41 5MHz QPSK 41565 1RB#0 30~1000 30~1000

Band41 5MHz QPSK 41565 1RB#0 1000~10000 1000~10000

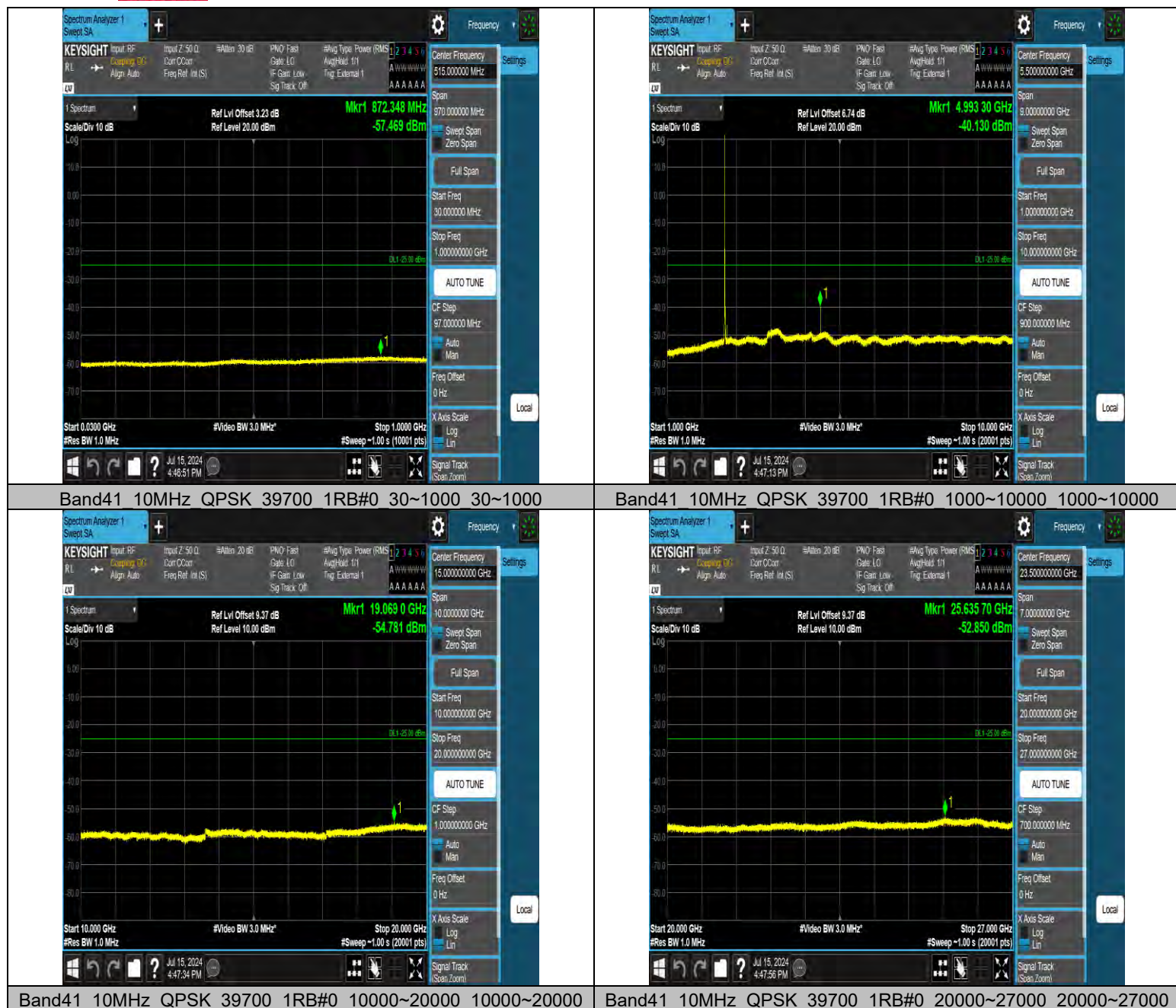


Band41 5MHz QPSK 41565 1RB#0 10000~20000 10000~20000

Band41 5MHz QPSK 41565 1RB#0 20000~27000 20000~27000



Test Report No.: W7L-240618W001RF08





Test Report No.: W7L-240618W001RF08



Band41 10MHz QPSK 40620 1RB#0 30~1000 30~1000

Band41 10MHz QPSK 40620 1RB#0 1000~10000 1000~10000

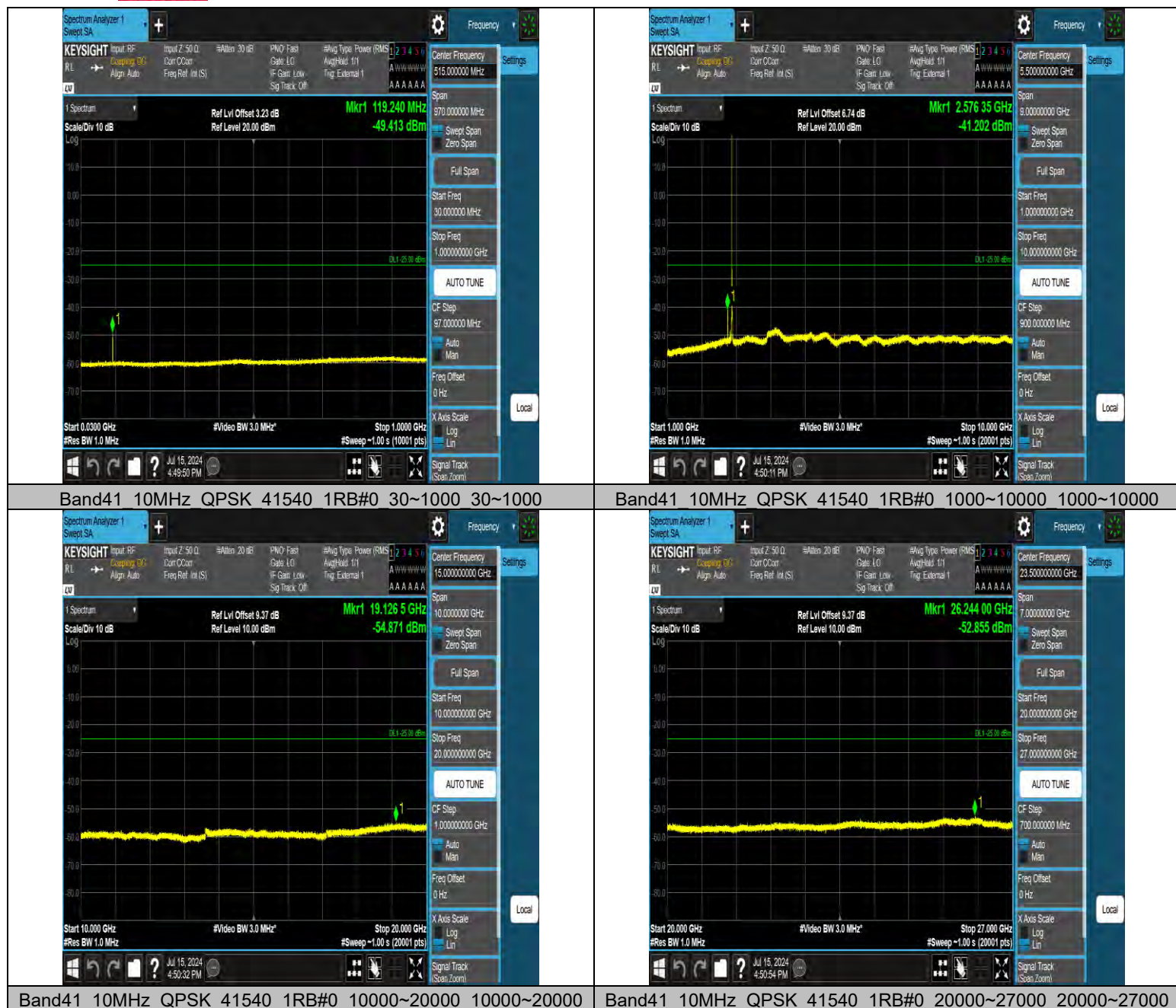


Band41 10MHz QPSK 40620 1RB#0 10000~20000 10000~20000

Band41 10MHz QPSK 40620 1RB#0 20000~27000 20000~27000



Test Report No.: W7L-240618W001RF08



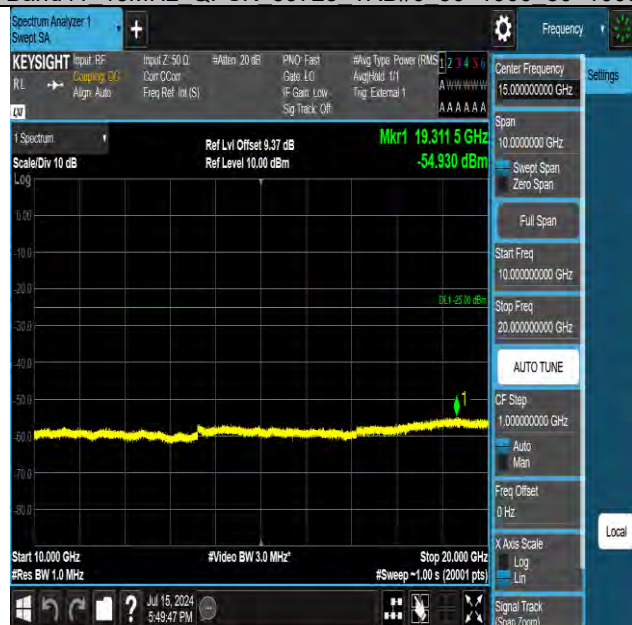


Test Report No.: W7L-240618W001RF08



Band41 15MHz QPSK 39725 1RB#0 30~1000 30~1000

Band41 15MHz QPSK 39725 1RB#0 1000~10000 1000~10000



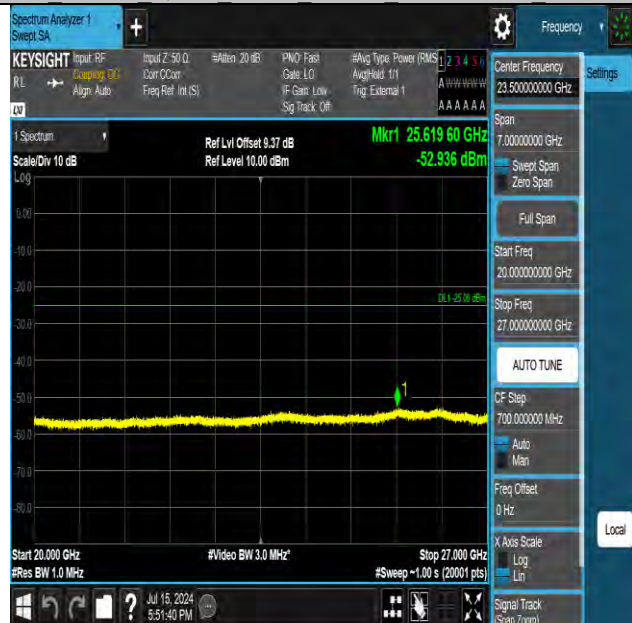
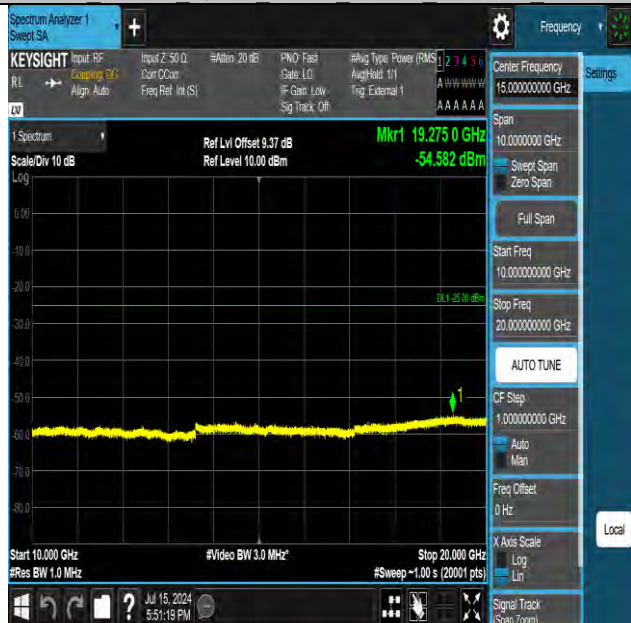
Band41 15MHz QPSK 39725 1RB#0 10000~20000 10000~20000

Band41 15MHz QPSK 39725 1RB#0 20000~27000 20000~27000



Band41 15MHz QPSK 40620 1RB#0 30~1000 30~1000

Band41 15MHz QPSK 40620 1RB#0 1000~10000 1000~10000



Band41 15MHz QPSK 40620 1RB#0 10000~20000 10000~20000

Band41 15MHz QPSK 40620 1RB#0 20000~27000 20000~27000

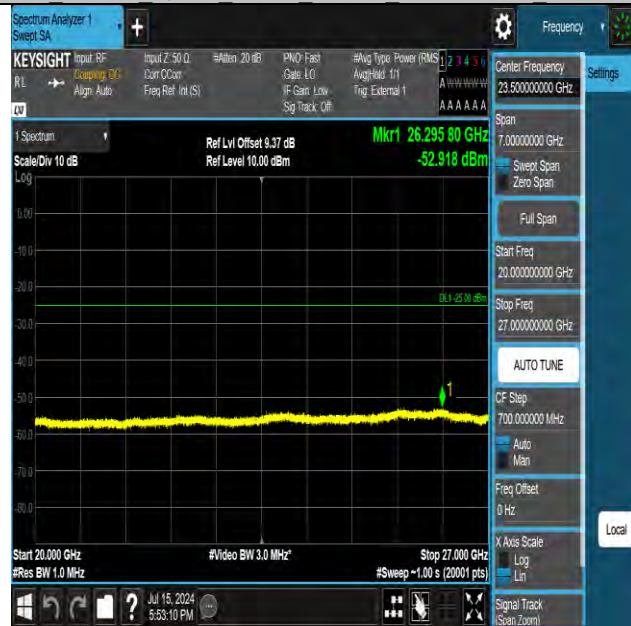
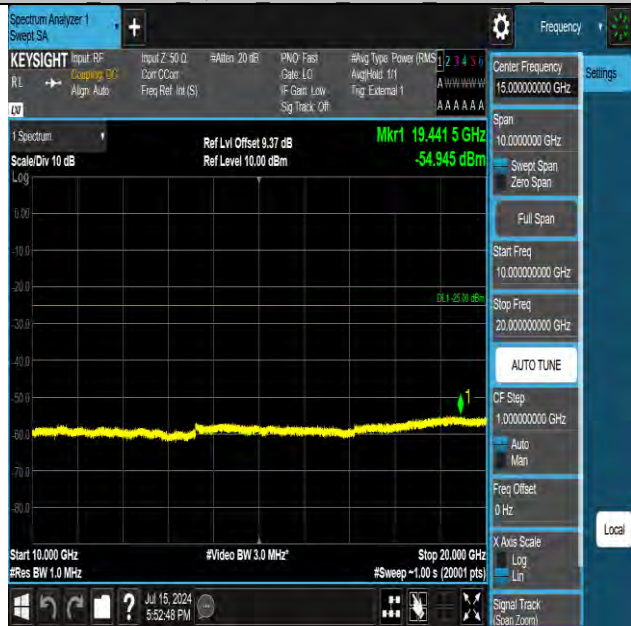


Test Report No.: W7L-240618W001RF08



Band41 15MHz QPSK 41515 1RB#0 30~1000 30~1000

Band41 15MHz QPSK 41515 1RB#0 1000~10000 1000~10000

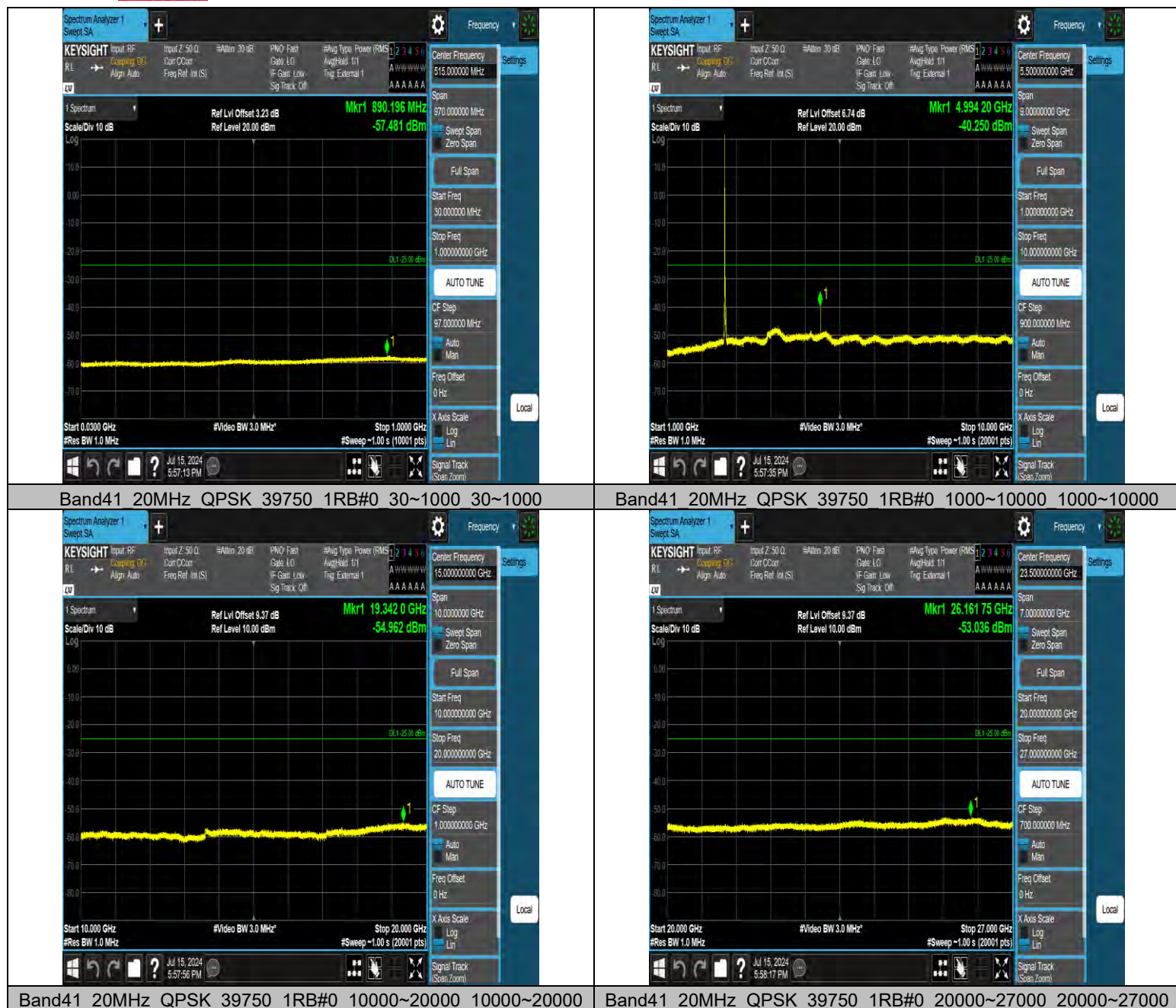


Band41 15MHz QPSK 41515 1RB#0 10000~20000 10000~20000

Band41 15MHz QPSK 41515 1RB#0 20000~27000 20000~27000

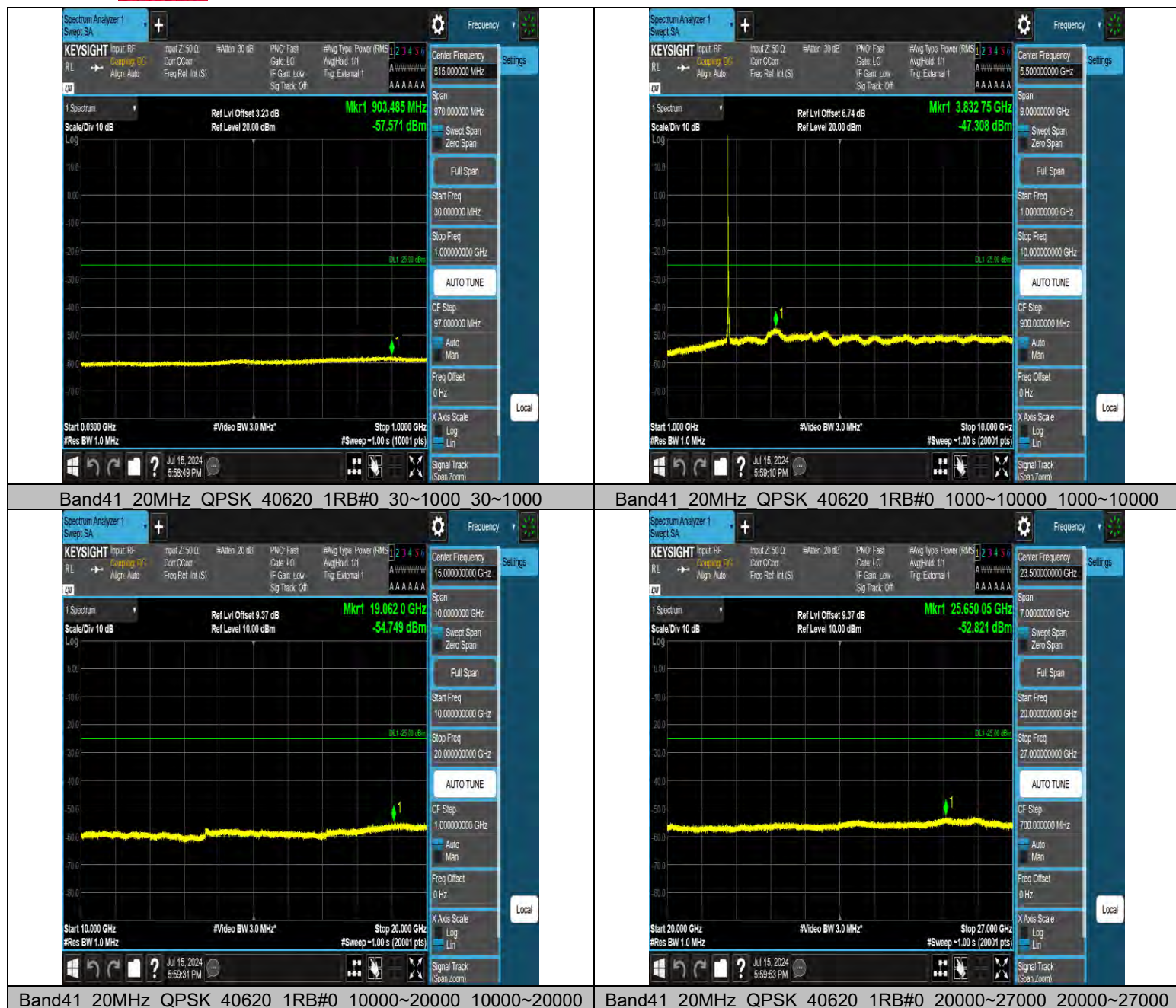


Test Report No.: W7L-240618W001RF08



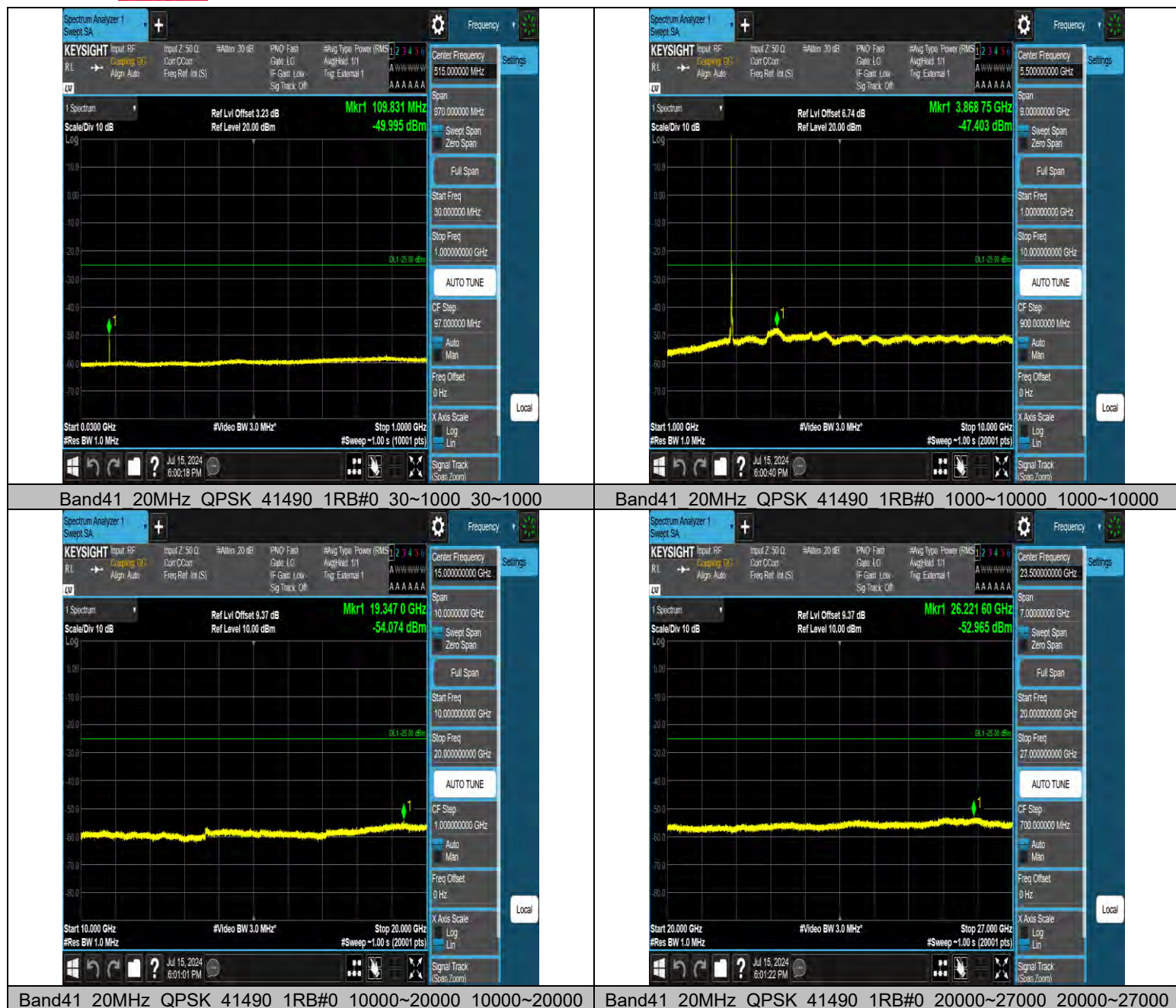


Test Report No.: W7L-240618W001RF08





Test Report No.: W7L-240618W001RF08



FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4 1	10MHz	QPSK	39700	50RB #0	VN	NT	1520.00	0.607757	2496.53487	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	VL	NT	1720.00	0.687725	2496.53512	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	VH	NT	1880.00	0.751699	2496.53533	---	2496-2690	PASS
Band4 1	10MHz	QPSK	41540	50RB #0	VN	NT	-2590.00	-0.964618	---	2689.46521	2496-2690	PASS
Band4 1	10MHz	QPSK	41540	50RB #0	VL	NT	-2820.00	-1.050279	---	2689.46508	2496-2690	PASS
Band4 1	10MHz	QPSK	41540	50RB #0	VH	NT	-2490.00	-0.927374	---	2689.46521	2496-2690	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4 1	10MHz	QPSK	39700	50RB #0	NV	-30	1510.00	0.603758	2496.53466	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	-20	1750.00	0.699720	2496.53505	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	-10	1790.00	0.715714	2496.53519	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	0	1580.00	0.631747	2496.53478	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	10	1760.00	0.703719	2496.53511	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	20	1910.00	0.763695	2496.53536	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	30	1820.00	0.727709	2496.53522	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	40	1910.00	0.763695	2496.53531	---	2496-2690	PASS
Band4 1	10MHz	QPSK	39700	50RB #0	NV	50	1870.00	0.747701	2496.53507	---	2496-2690	PASS
Band4 1	10MHz	QPSK	41540	50RB #0	NV	-30	-2640.00	-0.983240	---	2689.46526	2496-2690	PASS
Band4 1	10MHz	QPSK	41540	50RB #0	NV	-20	-2380.00	-0.886406	---	2689.46527	2496-2690	PASS
Band4 1	10MHz	QPSK	41540	50RB #0	NV	-10	-2350.00	-0.875233	---	2689.46585	2496-2690	PASS
Band4	10MHz	QPSK	41540	50RB	NV	0	-2410.	-0.897	---	2689.	2496-	PASS



BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08

1	z			#0			00	579		46529	2690	
Band4 1	10MH z	QPSK	41540	50RB #0	NV	10	-2580. 00	-0.960 894	---	2689. 46537	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	20	-2840. 00	-1.057 728	---	2689. 46501	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	30	-2710. 00	-1.009 311	---	2689. 46519	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	40	-2470. 00	-0.919 926	---	2689. 46533	2496- 2690	PASS
Band4 1	10MH z	QPSK	41540	50RB #0	NV	50	-2770. 00	-1.031 657	---	2689. 46498	2496- 2690	PASS

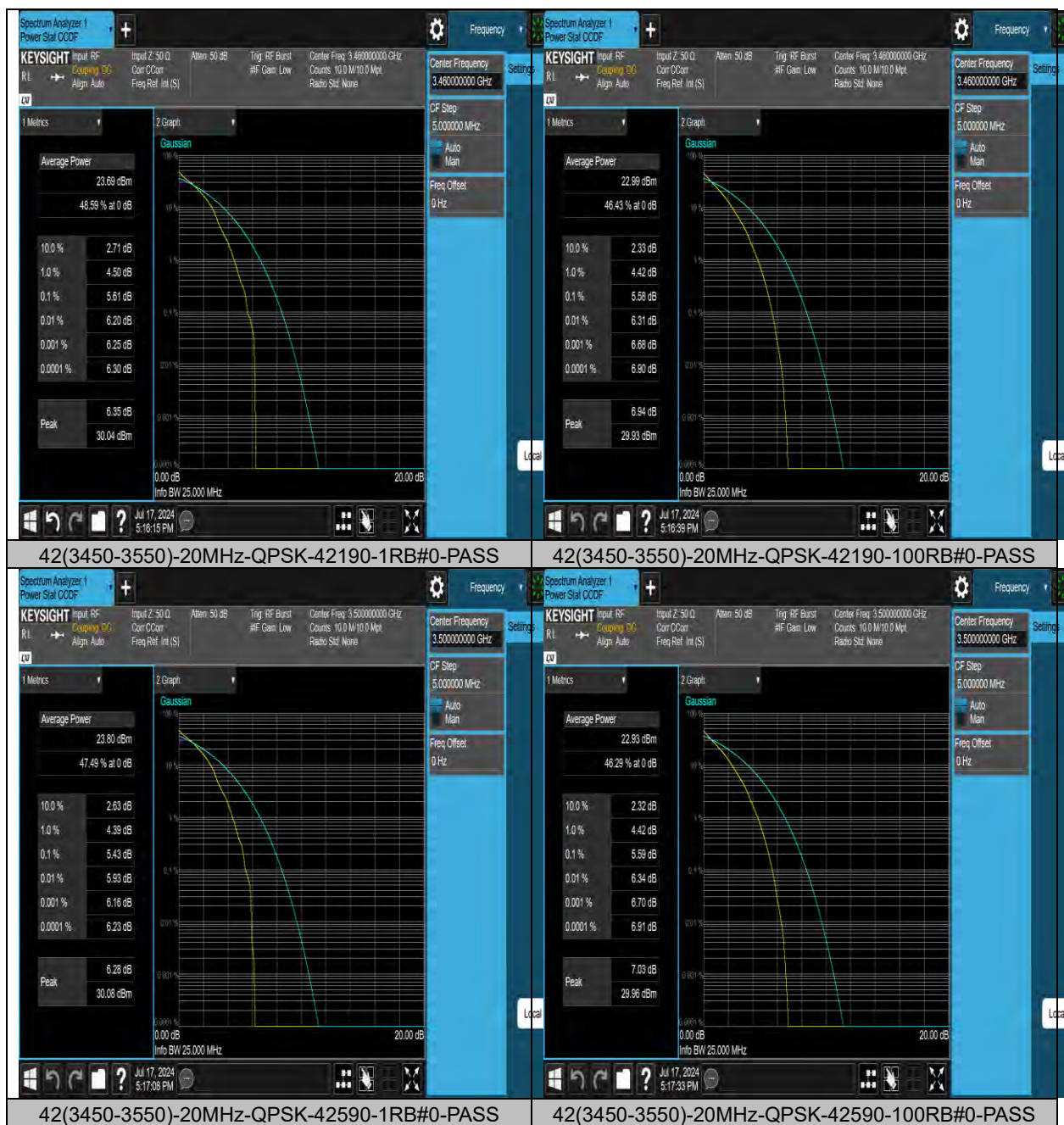
LTE BAND 42

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	5.61	13	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	5.58	13	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	5.43	13	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	5.59	13	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	5.42	13	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	5.61	13	PASS
42(3450-3550)	20MHz	16QAM	42190	1RB#0	6.42	13	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	6.30	13	PASS
42(3450-3550)	20MHz	16QAM	42590	1RB#0	6.33	13	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	6.31	13	PASS
42(3450-3550)	20MHz	16QAM	42990	1RB#0	6.44	13	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	6.32	13	PASS

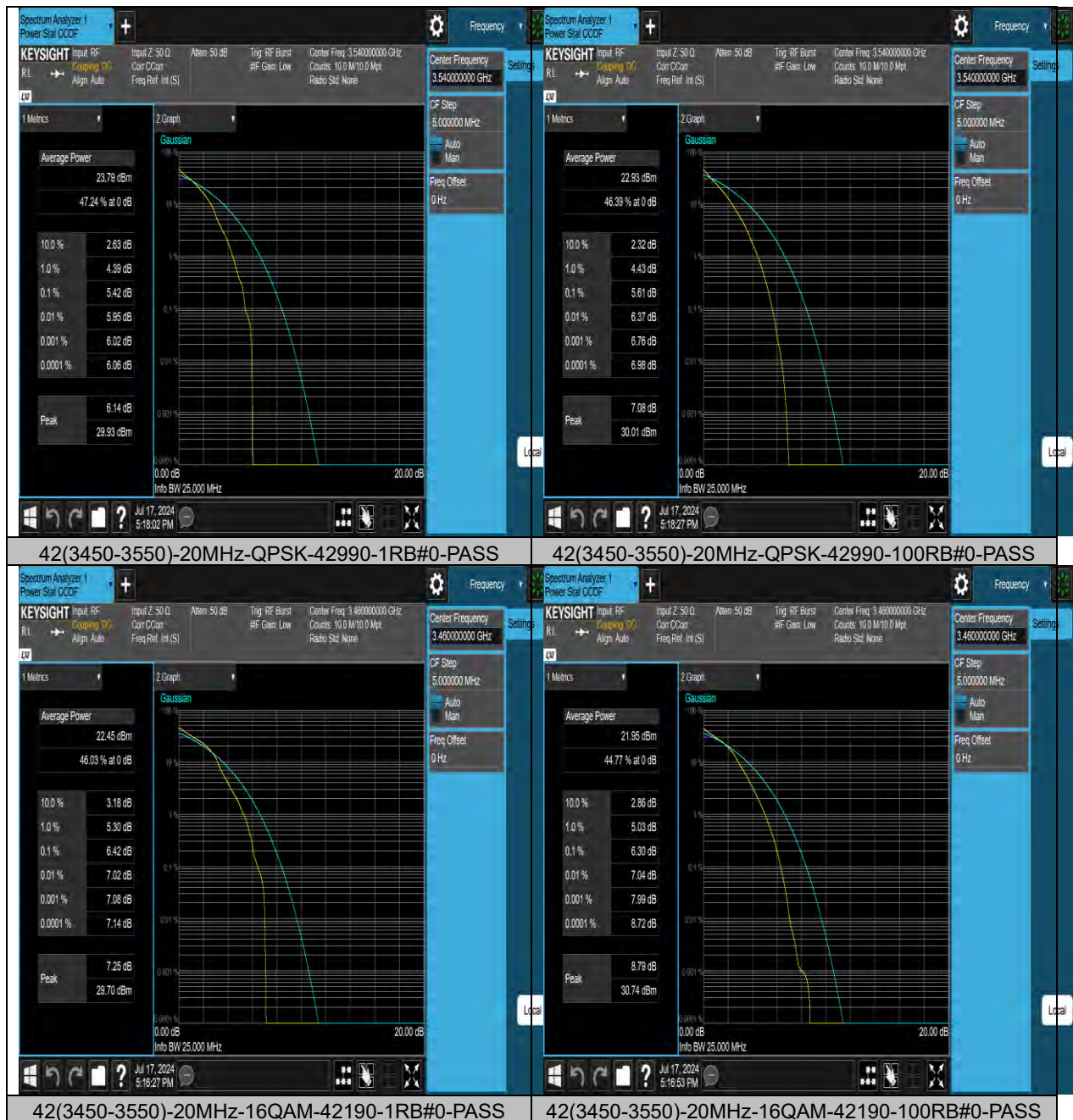
Test Graphs





BUREAU
VERITAS

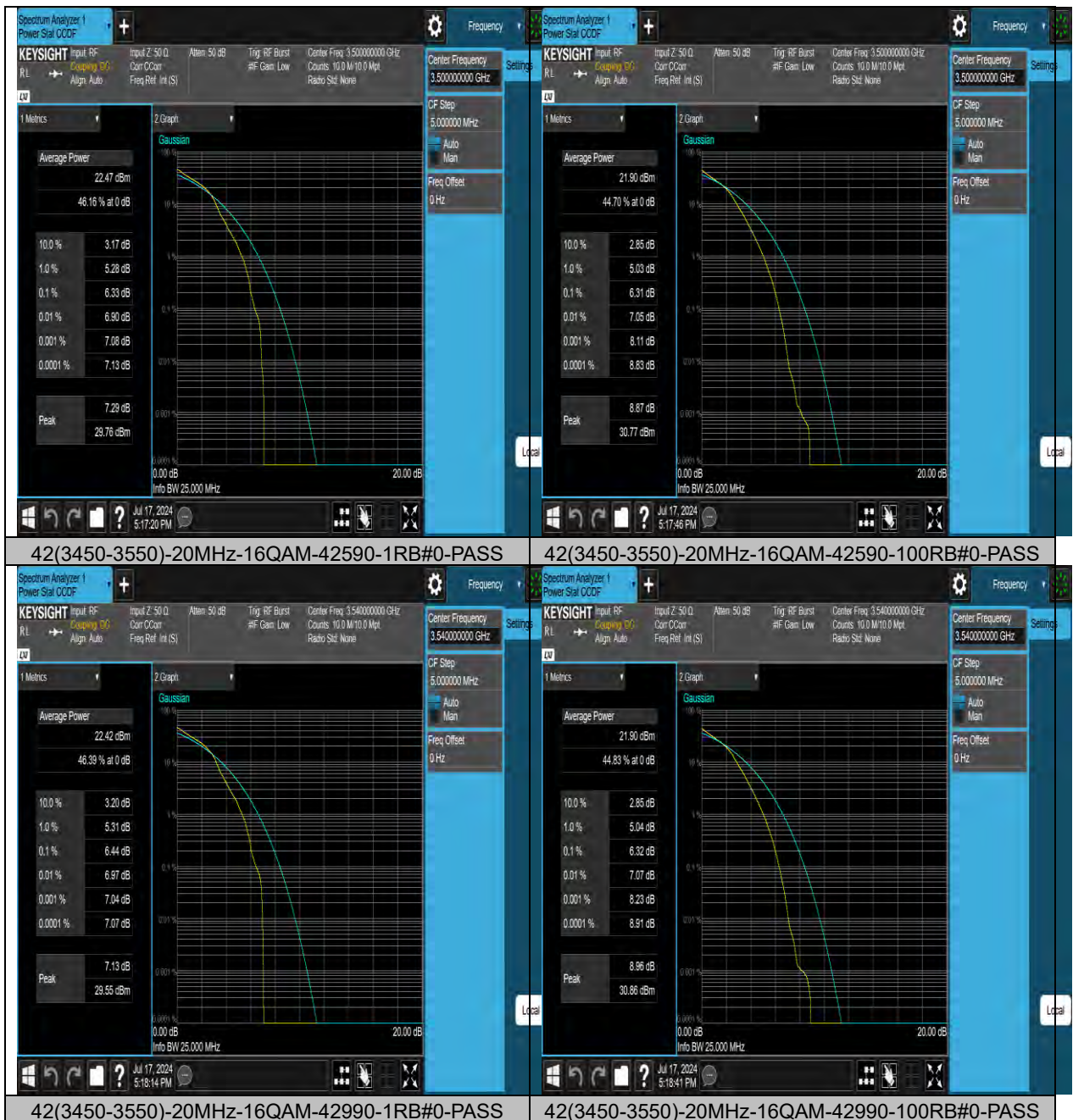
Test Report No.: W7L-240618W001RF08





BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08

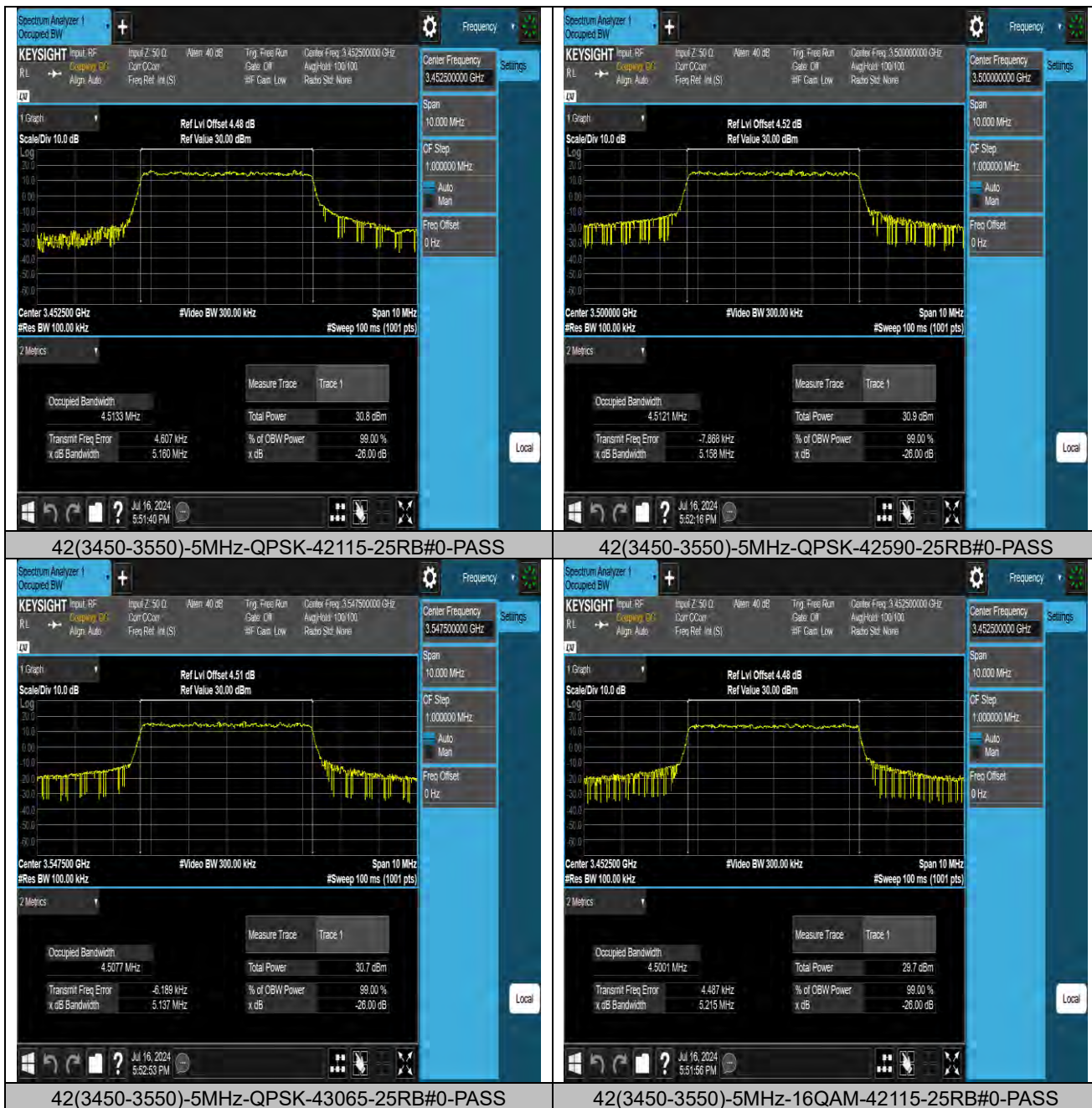


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
42(3450-3550)	5MHz	QPSK	42115	25RB#0	4.5133	5.160	PASS
42(3450-3550)	5MHz	QPSK	42590	25RB#0	4.5121	5.158	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	4.5077	5.137	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	4.5001	5.215	PASS
42(3450-3550)	5MHz	16QAM	42590	25RB#0	4.4918	4.944	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	4.4911	4.955	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	8.9837	10.27	PASS
42(3450-3550)	10MHz	QPSK	42590	50RB#0	8.9869	10.55	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	8.9836	9.885	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	8.9549	9.934	PASS
42(3450-3550)	10MHz	16QAM	42590	50RB#0	8.9677	10.04	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	8.9650	10.01	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	13.466	14.98	PASS
42(3450-3550)	15MHz	QPSK	42590	75RB#0	13.447	15.05	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	13.489	14.79	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	13.492	16.00	PASS
42(3450-3550)	15MHz	16QAM	42590	75RB#0	13.477	15.40	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	13.479	16.07	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	17.987	19.37	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	18.016	21.47	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	17.964	19.50	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	17.969	22.74	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	17.973	26.71	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	17.960	21.58	PASS

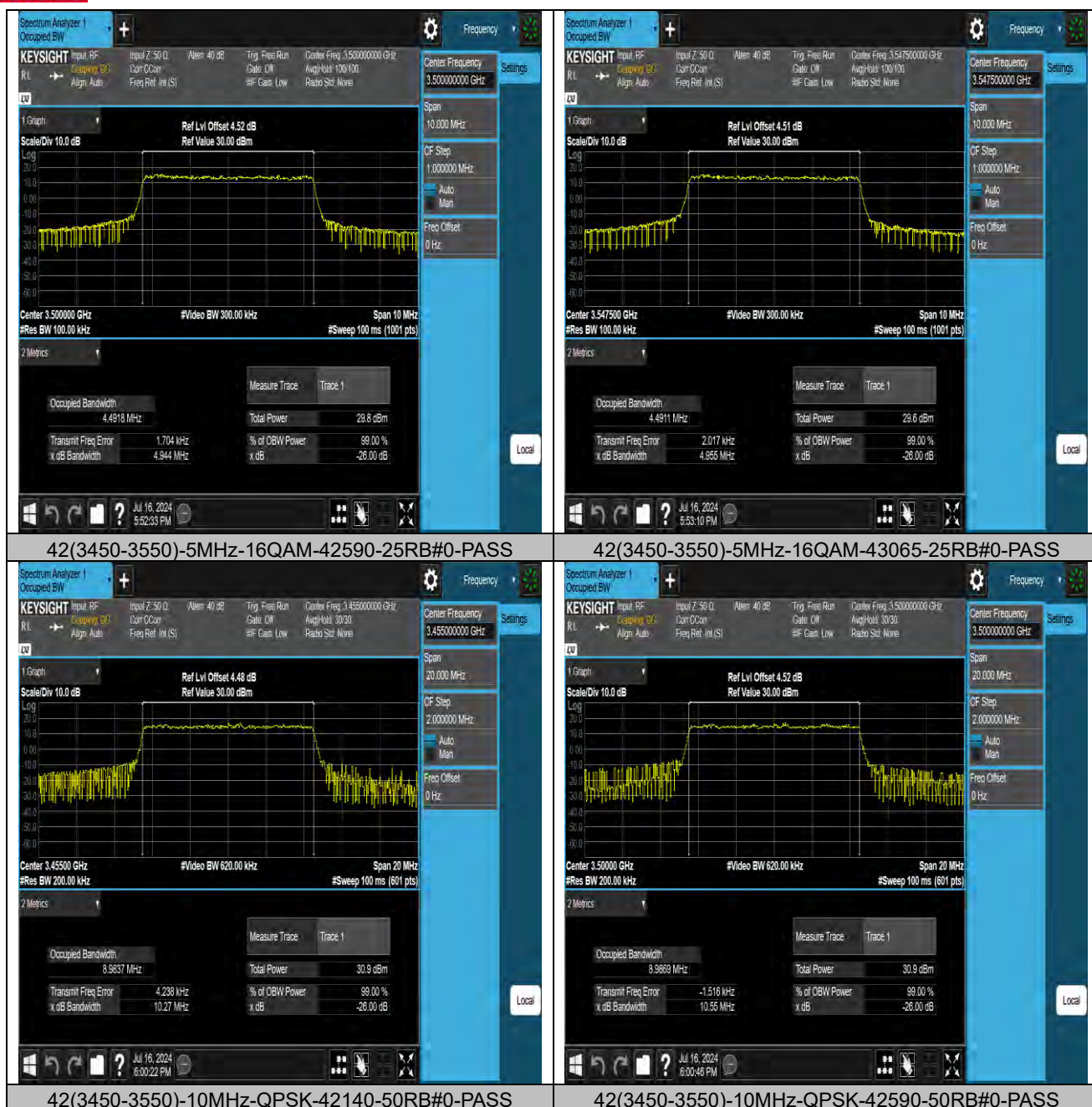
Test Graphs





BUREAU
VERITAS

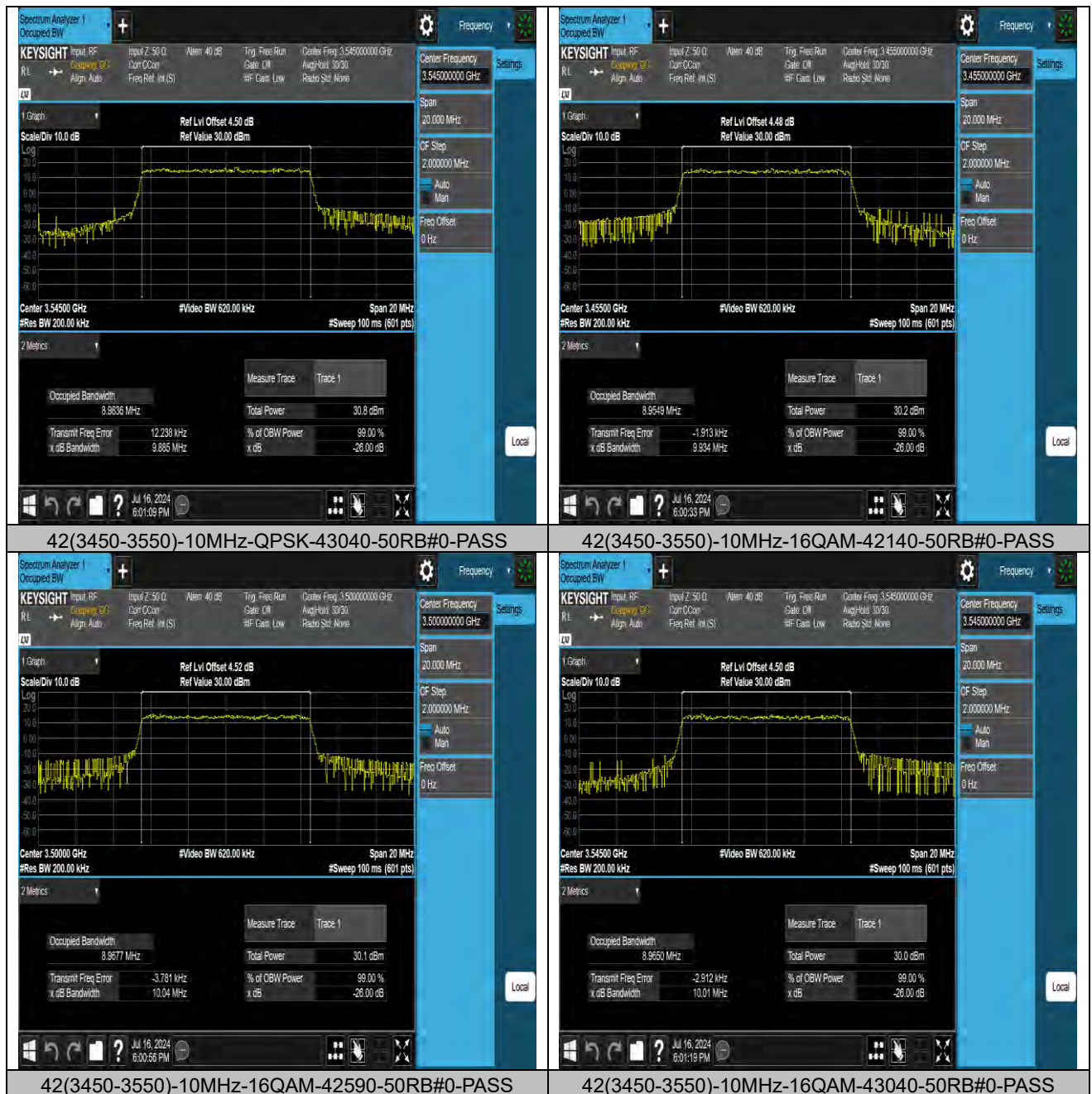
Test Report No.: W7L-240618W001RF08

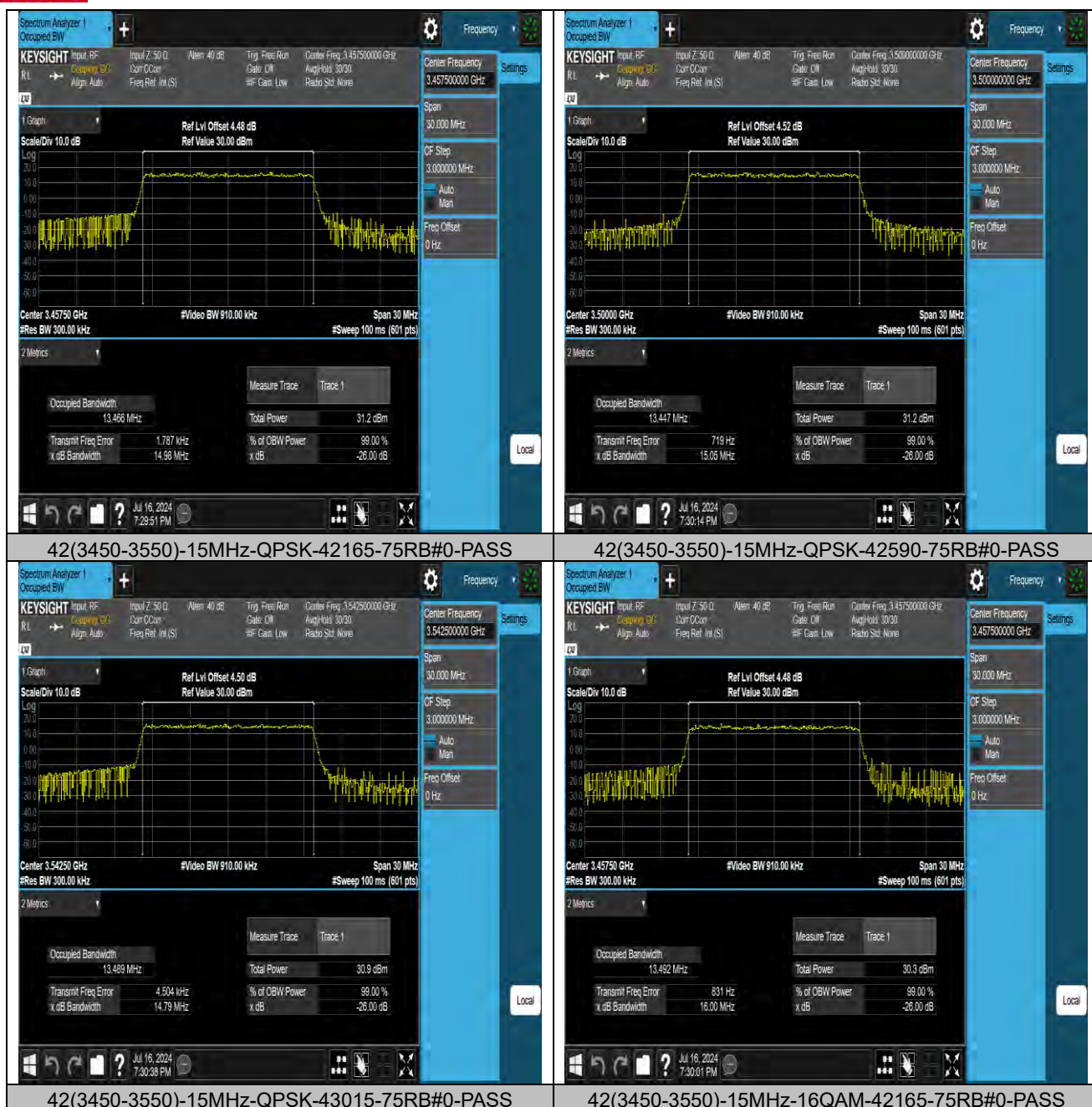




BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08

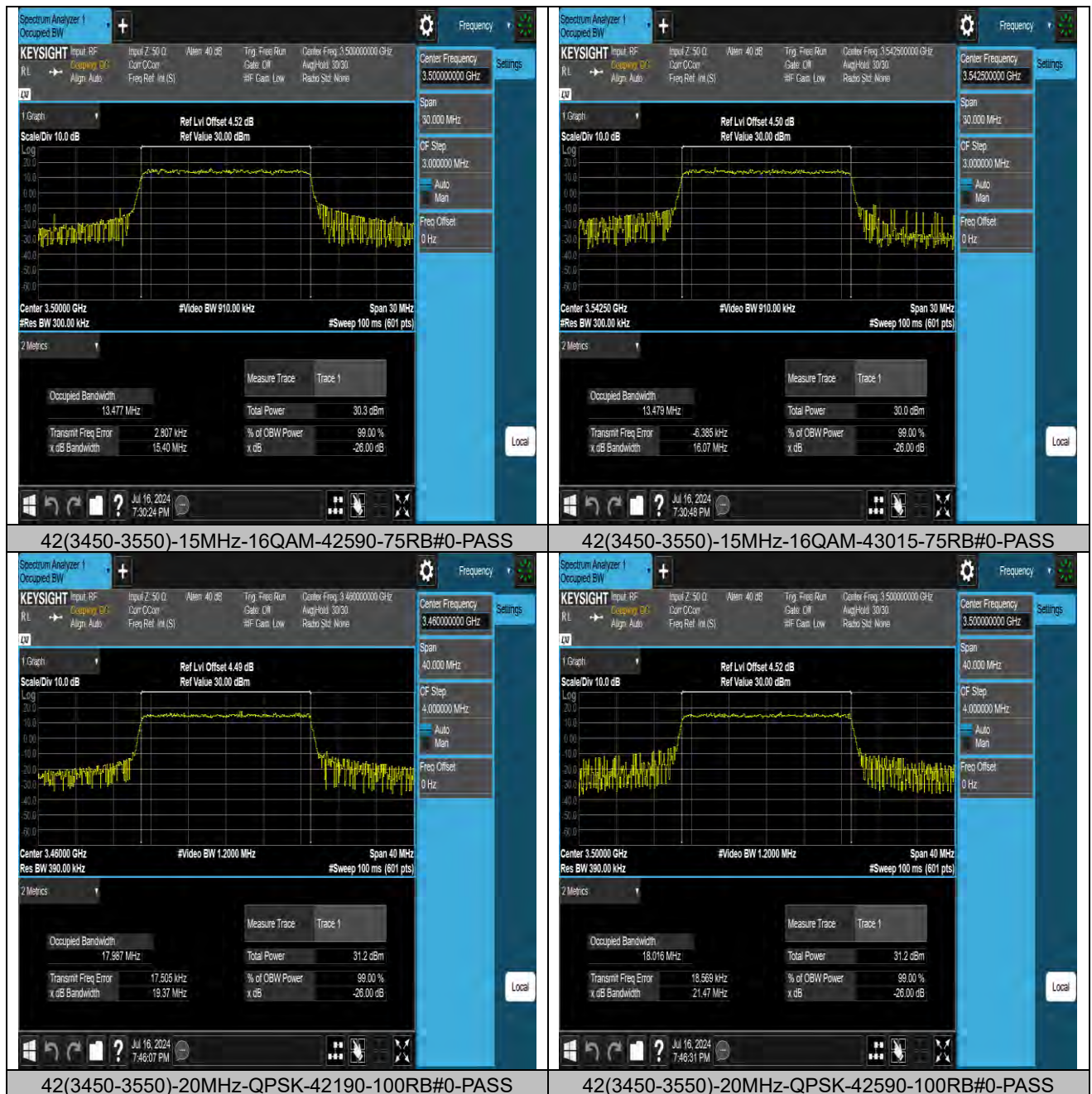






BUREAU
VERITAS

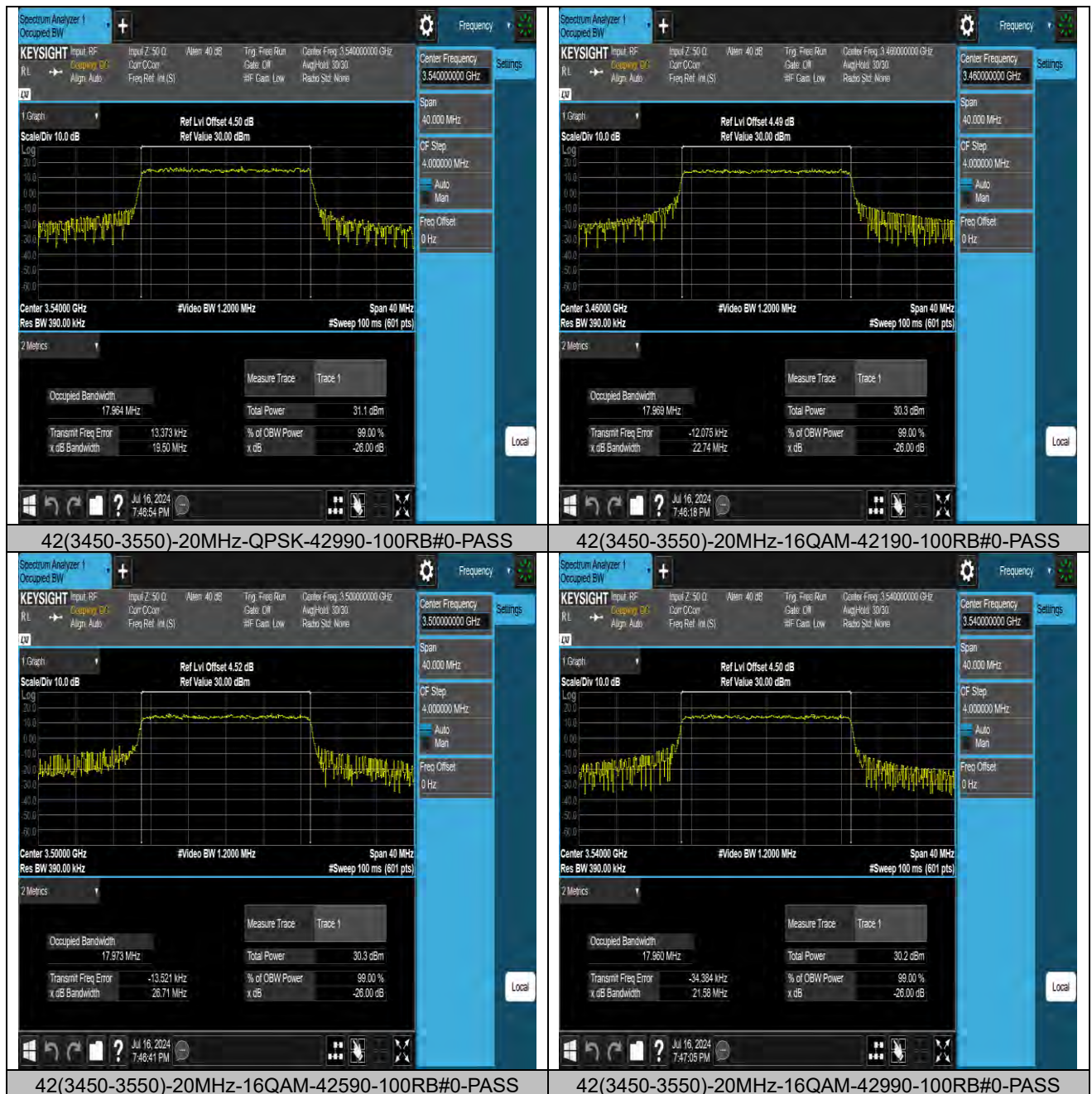
Test Report No.: W7L-240618W001RF08





BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08



BAND EDGE

Test Result

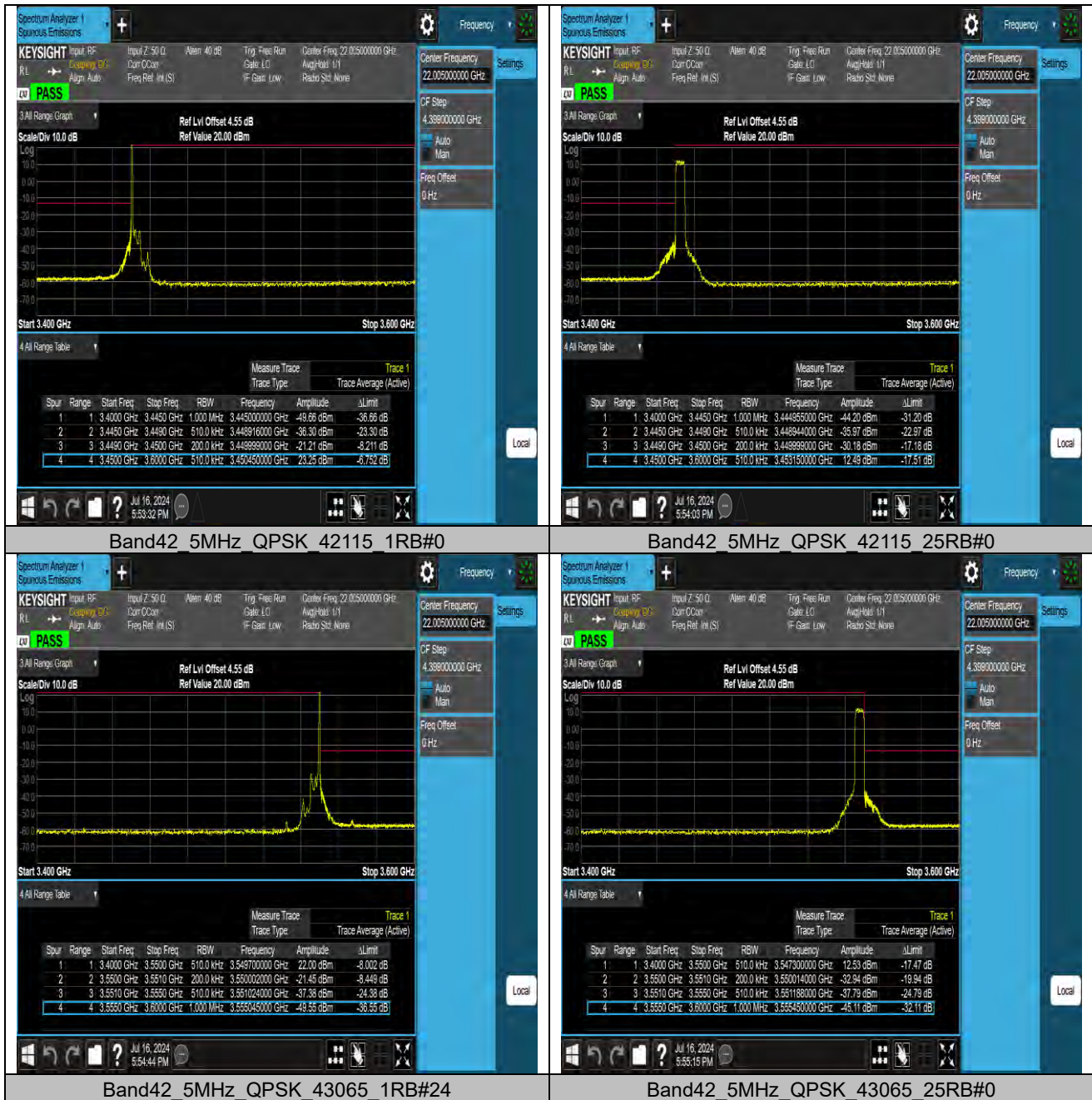
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
42(3450-3550)	5MHz	QPSK	42115	1RB#0	-21.21	PASS
42(3450-3550)	5MHz	QPSK	42115	25RB#0	-30.18	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#24	-21.45	PASS
42(3450-3550)	5MHz	QPSK	43065	25RB#0	-32.94	PASS
42(3450-3550)	5MHz	16QAM	42115	1RB#0	-23.74	PASS
42(3450-3550)	5MHz	16QAM	42115	25RB#0	-57.64	PASS
42(3450-3550)	5MHz	16QAM	43065	1RB#24	-24.64	PASS
42(3450-3550)	5MHz	16QAM	43065	25RB#0	-35.67	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	-28.57	PASS
42(3450-3550)	10MHz	QPSK	42140	50RB#0	-36.71	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#49	-27.30	PASS
42(3450-3550)	10MHz	QPSK	43040	50RB#0	-38.89	PASS
42(3450-3550)	10MHz	16QAM	42140	1RB#0	-27.86	PASS
42(3450-3550)	10MHz	16QAM	42140	50RB#0	-39.30	PASS
42(3450-3550)	10MHz	16QAM	43040	1RB#49	-28.10	PASS
42(3450-3550)	10MHz	16QAM	43040	50RB#0	-39.51	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	-30.35	PASS
42(3450-3550)	15MHz	QPSK	42165	75RB#0	-36.54	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#74	-29.80	PASS
42(3450-3550)	15MHz	QPSK	43015	75RB#0	-38.60	PASS
42(3450-3550)	15MHz	16QAM	42165	1RB#0	-31.50	PASS
42(3450-3550)	15MHz	16QAM	42165	75RB#0	-38.97	PASS
42(3450-3550)	15MHz	16QAM	43015	1RB#74	-31.58	PASS
42(3450-3550)	15MHz	16QAM	43015	75RB#0	-38.29	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	-33.74	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	-41.12	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#99	-33.99	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	-39.89	PASS
42(3450-3550)	20MHz	16QAM	42190	1RB#0	-34.38	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	-41.38	PASS
42(3450-3550)	20MHz	16QAM	42990	1RB#99	-35.77	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	-40.99	PASS

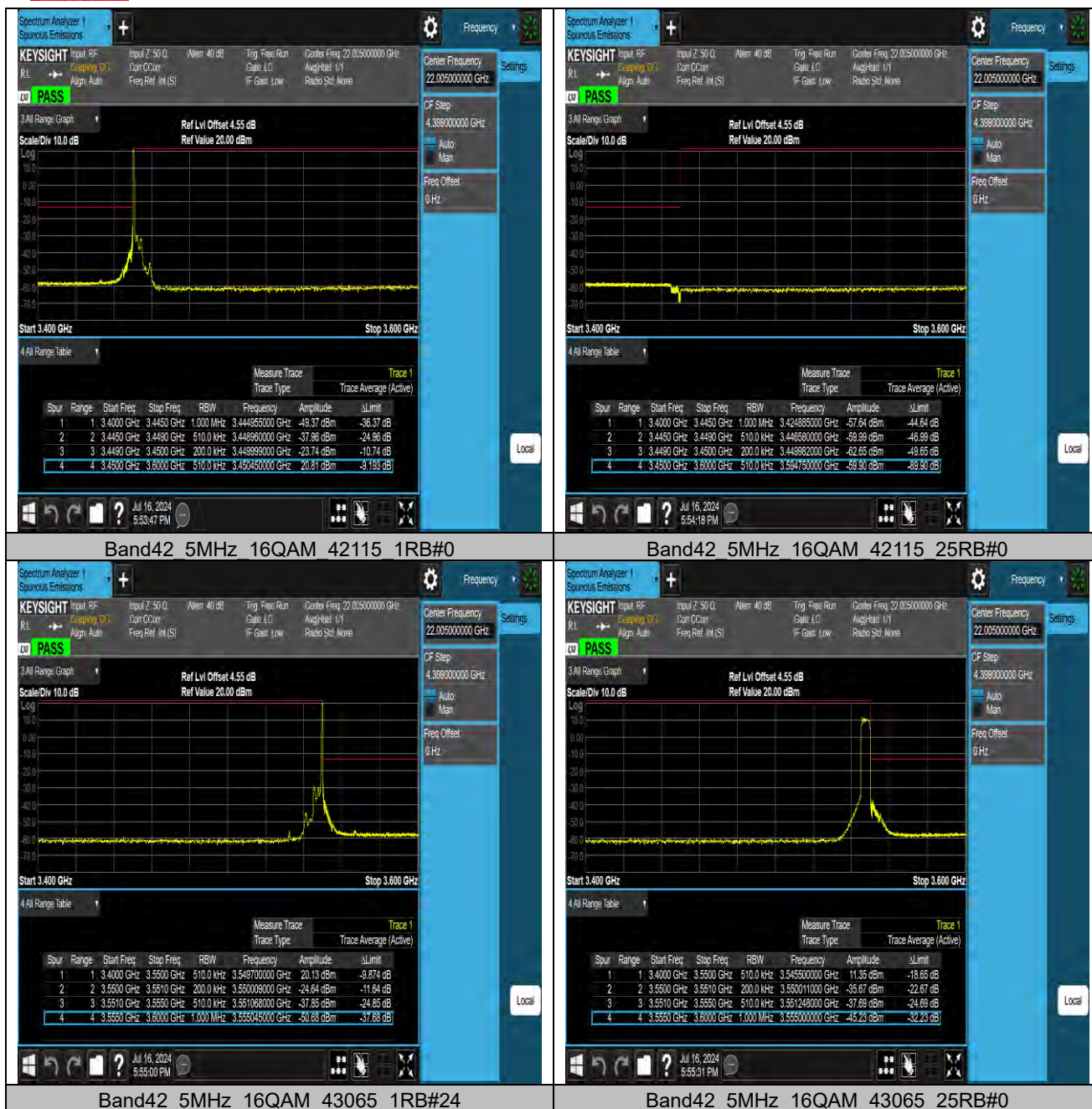


BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08

Test Graphs

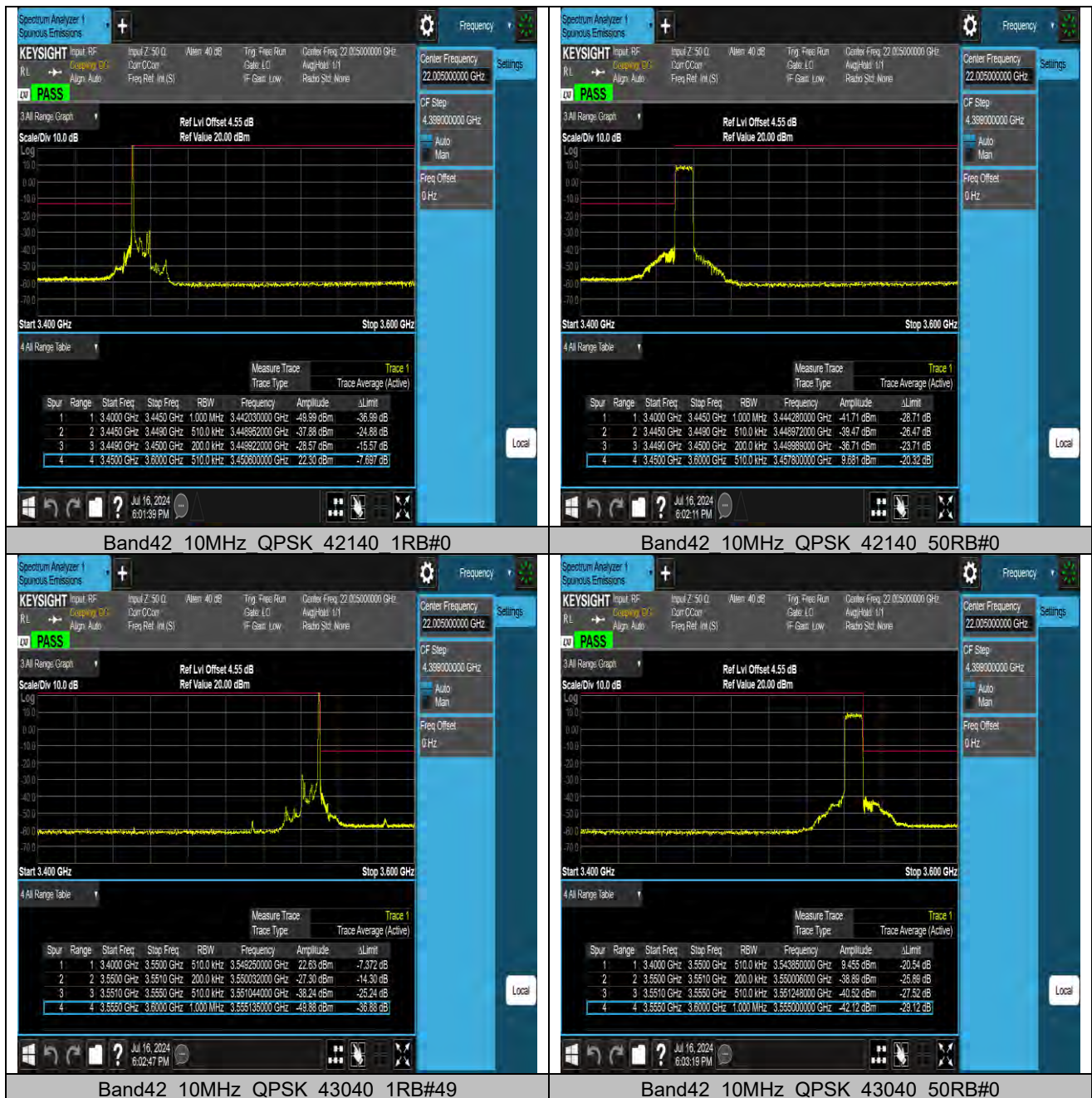






BUREAU
VERITAS

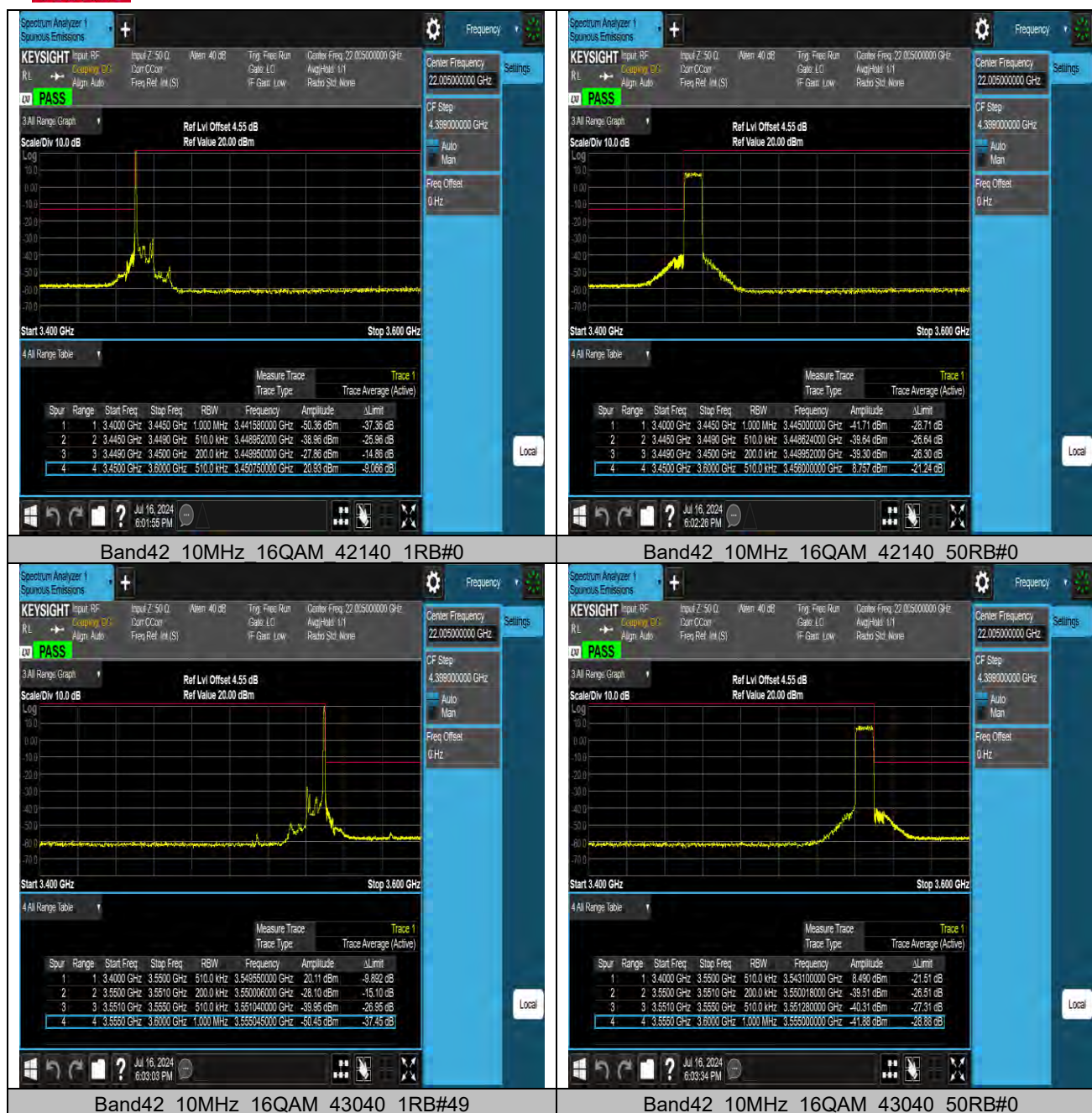
Test Report No.: W7L-240618W001RF08





BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08

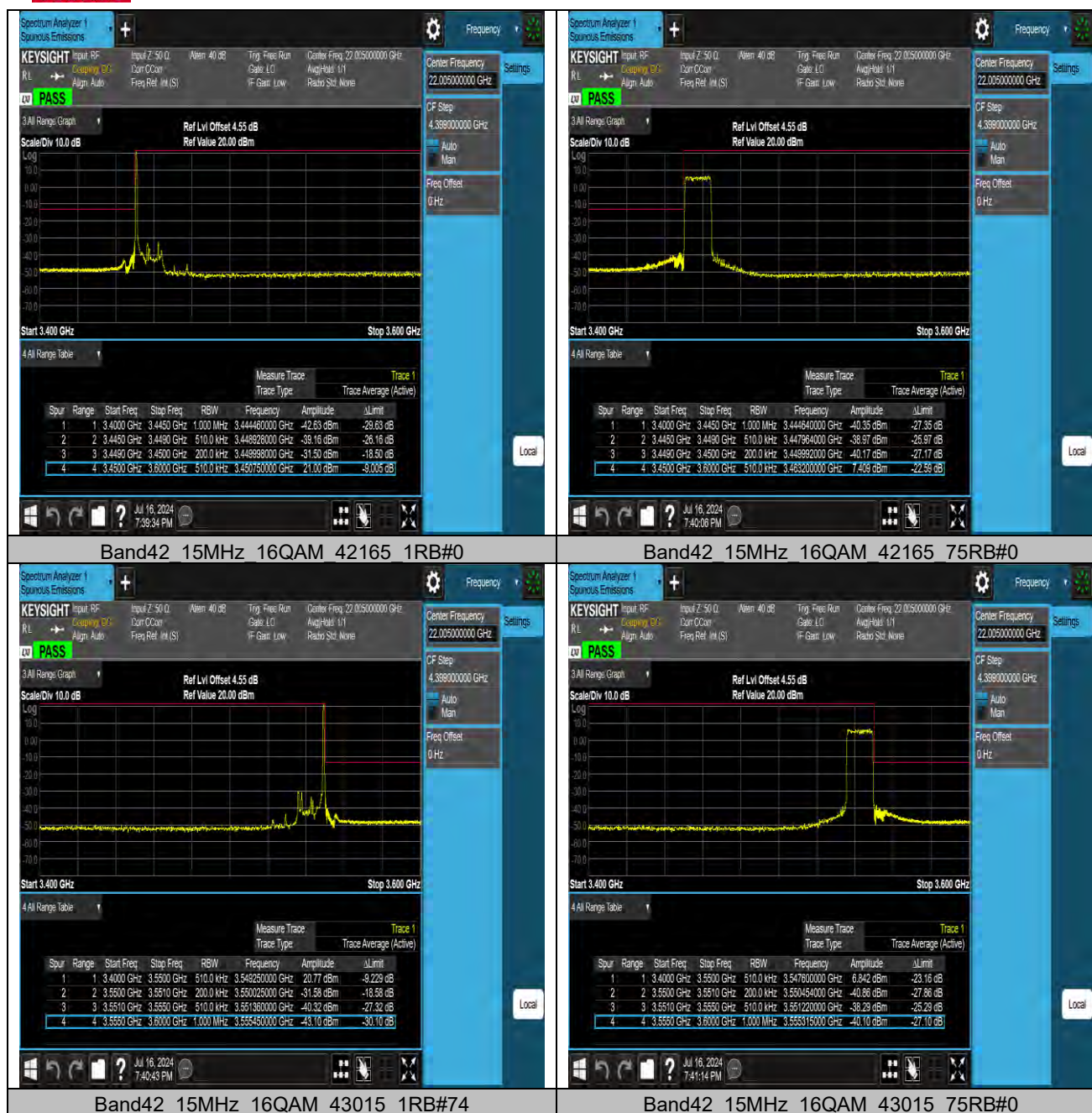






BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08

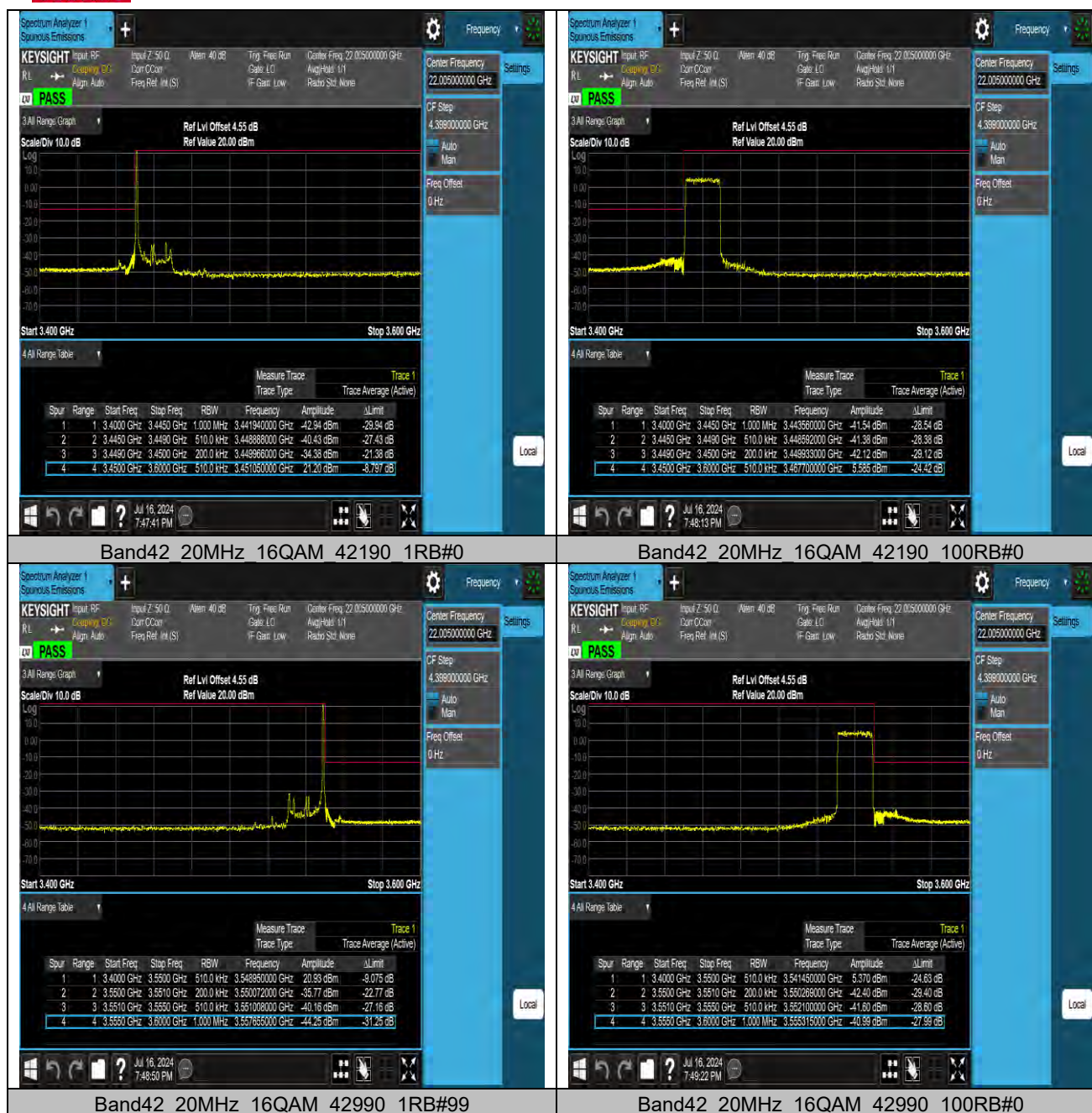






BUREAU
VERITAS

Test Report No.: W7L-240618W001RF08



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	-53.92	PASS
42(3450-3550)	5MHz	QPSK	42115	1RB#0	1000~10000	-45.68	PASS
42(3450-3550)	5MHz	QPSK	42115	1RB#0	10000~20000	-54.81	PASS
42(3450-3550)	5MHz	QPSK	42115	1RB#0	20000~40000	-58.23	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	30~1000	-53.80	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	1000~10000	-45.09	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	10000~20000	-54.92	PASS
42(3450-3550)	5MHz	QPSK	42590	1RB#0	20000~40000	-58.32	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	30~1000	-55.27	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	1000~10000	-43.94	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	10000~20000	-54.89	PASS
42(3450-3550)	5MHz	QPSK	43065	1RB#0	20000~40000	-58.08	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	30~1000	-53.32	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	1000~10000	-46.24	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	10000~20000	-54.84	PASS
42(3450-3550)	10MHz	QPSK	42140	1RB#0	20000~40000	-57.90	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	30~1000	-54.07	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	1000~10000	-44.54	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	10000~20000	-54.95	PASS
42(3450-3550)	10MHz	QPSK	42590	1RB#0	20000~40000	-57.33	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	30~1000	-54.90	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	1000~10000	-44.29	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	10000~20000	-54.95	PASS
42(3450-3550)	10MHz	QPSK	43040	1RB#0	20000~40000	-58.16	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	30~1000	-54.00	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	1000~10000	-46.06	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	10000~20000	-55.04	PASS
42(3450-3550)	15MHz	QPSK	42165	1RB#0	20000~40000	-57.50	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	30~1000	-53.57	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	1000~10000	-44.42	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	10000~20000	-54.93	PASS
42(3450-3550)	15MHz	QPSK	42590	1RB#0	20000~40000	-58.24	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	30~1000	-55.67	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	1000~10000	-44.07	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	10000~20000	-54.85	PASS
42(3450-3550)	15MHz	QPSK	43015	1RB#0	20000~40000	-58.23	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	30~1000	-53.57	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	1000~10000	-44.98	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	10000~20000	-54.88	PASS
42(3450-3550)	20MHz	QPSK	42190	1RB#0	20000~40000	-58.06	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	30~1000	-53.59	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	1000~10000	-44.23	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	10000~20000	-54.23	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	20000~40000	-58.18	PASS



**BUREAU
VERITAS**

Test Report No.: W7L-240618W001RF08

42(3450-3550)	20MHz	QPSK	42990	1RB#0	30~1000	-54.90	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	1000~10000	-42.22	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	10000~20000	-54.31	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	20000~40000	-57.92	PASS

Test Graphs



Band42 5MHz QPSK 42115 1RB#0 30~1000 30~1000

Band42 5MHz QPSK 42115 1RB#0 1000~10000 1000~10000

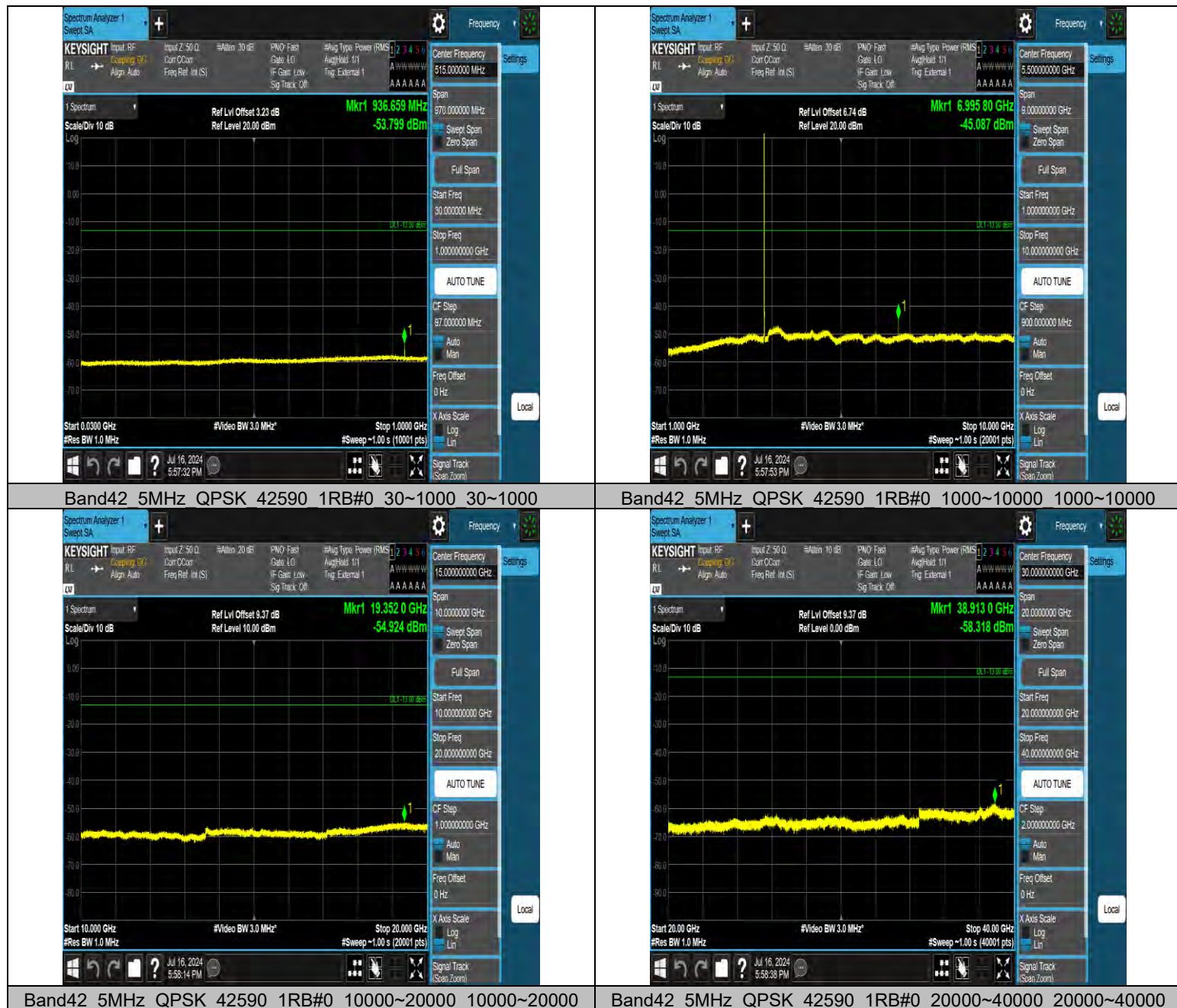


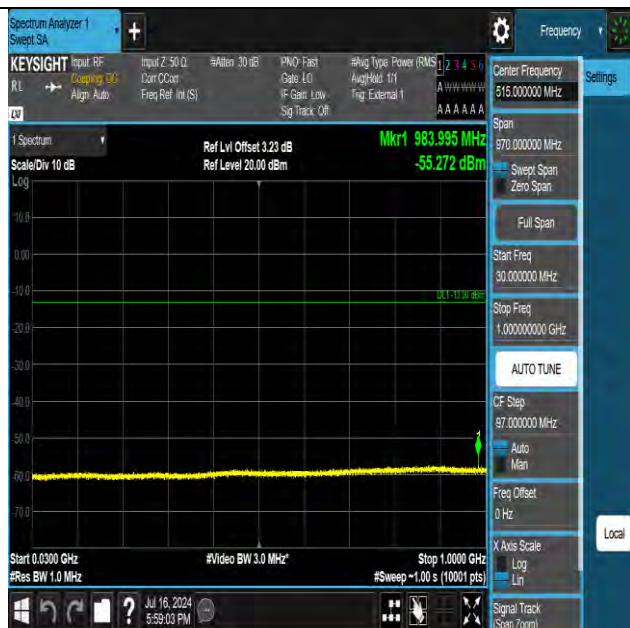
Band42 5MHz QPSK 42115 1RB#0 10000~20000 10000~20000

Band42 5MHz QPSK 42115 1RB#0 20000~40000 20000~40000



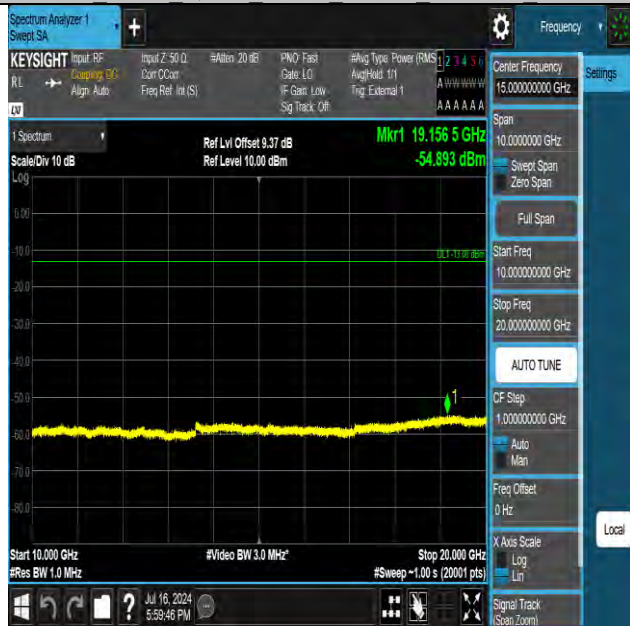
Test Report No.: W7L-240618W001RF08





Band42 5MHz QPSK 43065 1RB#0 30~1000 30~1000

Band42 5MHz QPSK 43065 1RB#0 1000~10000 1000~10000



Band42 5MHz QPSK 43065 1RB#0 10000~20000 10000~20000

Band42 5MHz QPSK 43065 1RB#0 20000~40000 20000~40000



Test Report No.: W7L-240618W001RF08



Band42 10MHz QPSK 42140 1RB#0 30~1000 30~1000

Band42 10MHz QPSK 42140 1RB#0 1000~10000 1000~10000

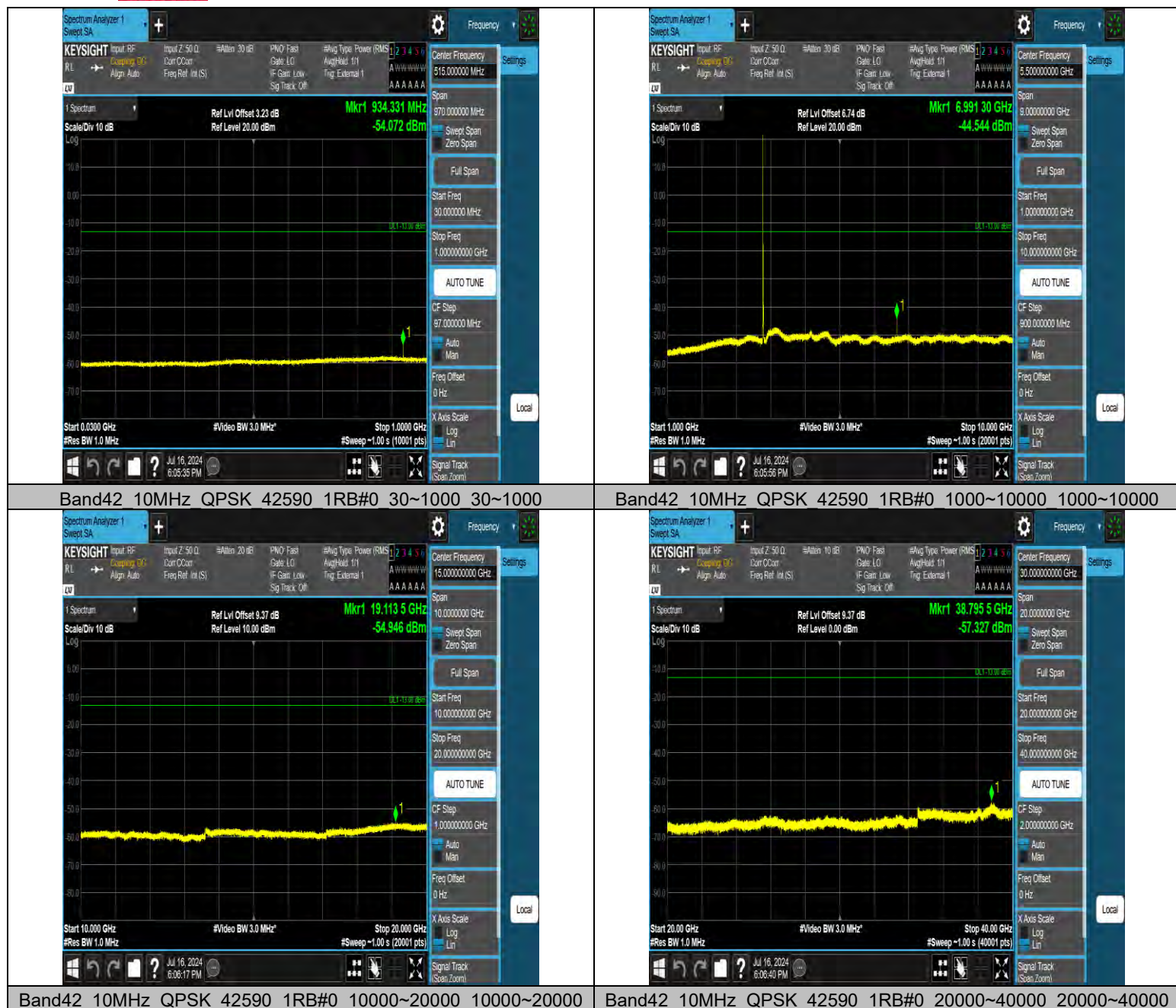


Band42 10MHz QPSK 42140 1RB#0 10000~20000 10000~20000

Band42 10MHz QPSK 42140 1RB#0 20000~40000 20000~40000

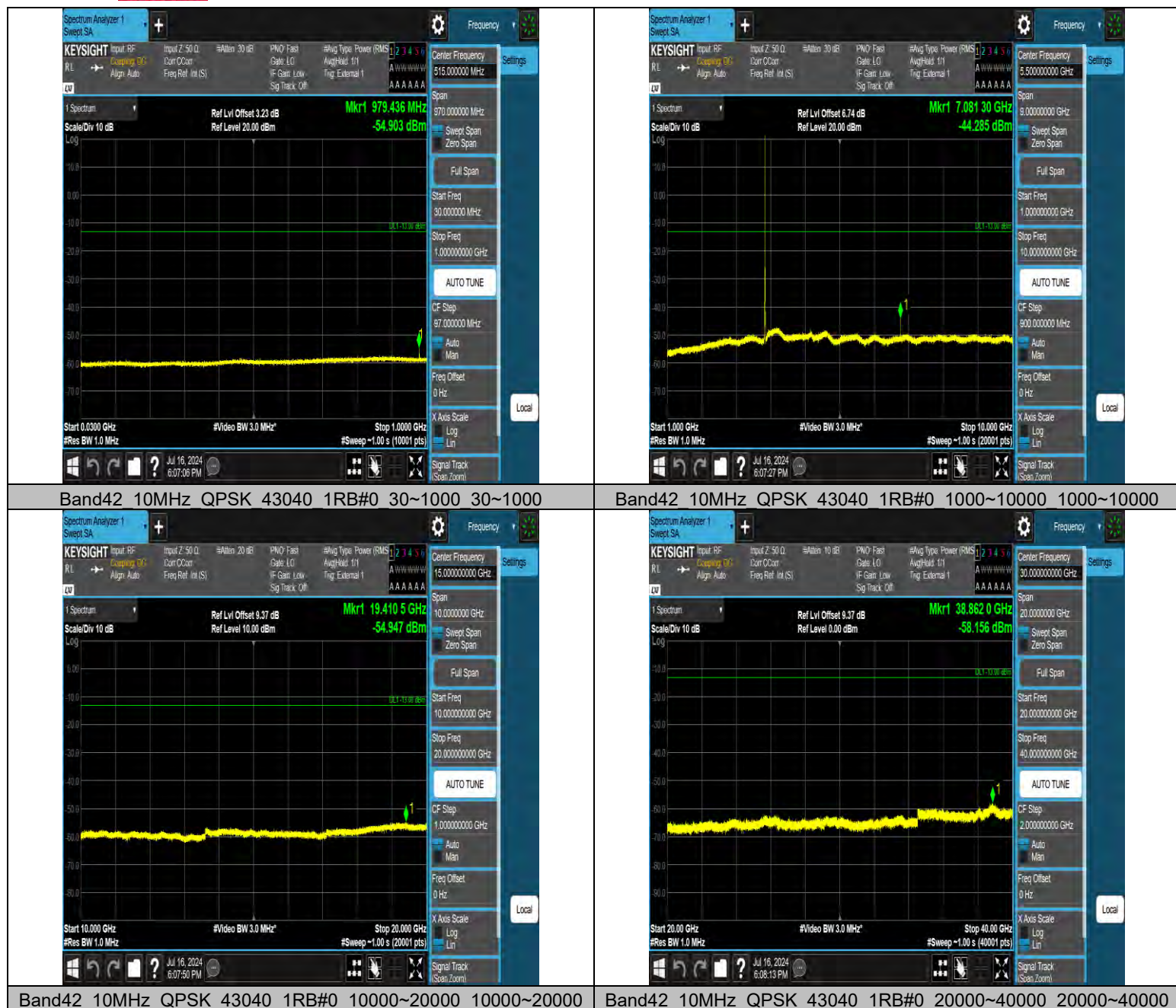


Test Report No.: W7L-240618W001RF08





Test Report No.: W7L-240618W001RF08





Test Report No.: W7L-240618W001RF08



Band42 15MHz QPSK 42165 1RB#0 30~1000 30~1000

Band42 15MHz QPSK 42165 1RB#0 1000~10000 1000~10000

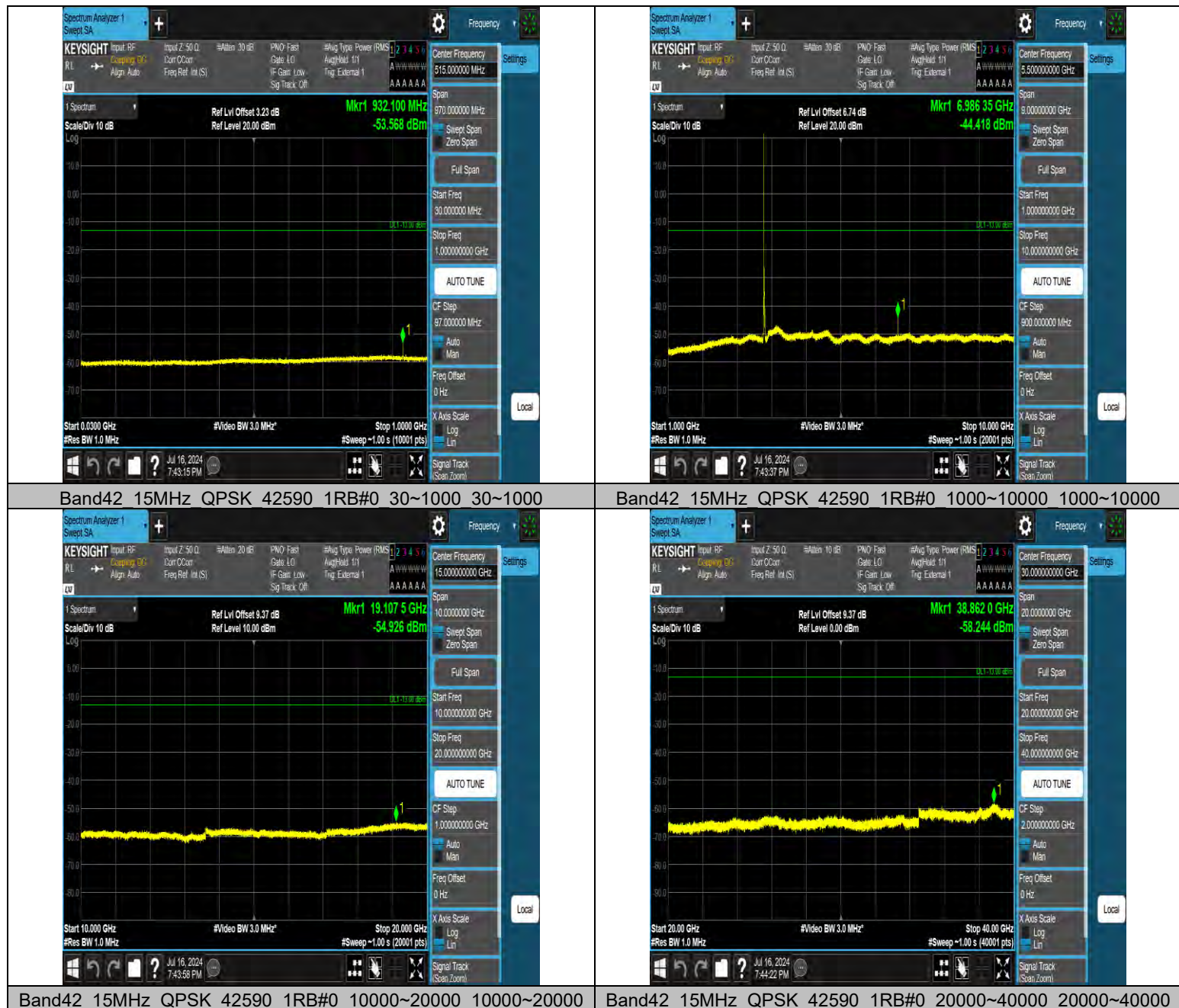


Band42 15MHz QPSK 42165 1RB#0 10000~20000 10000~20000

Band42 15MHz QPSK 42165 1RB#0 20000~40000 20000~40000



Test Report No.: W7L-240618W001RF08





Test Report No.: W7L-240618W001RF08



Band42 15MHz QPSK 43015 1RB#0 30~1000 30~1000



Band42 15MHz QPSK 43015 1RB#0 1000~10000 1000~10000



Band42 15MHz QPSK 43015 1RB#0 10000~20000 10000~20000

Band42 15MHz QPSK 43015 1RB#0 20000~40000 20000~40000



Test Report No.: W7L-240618W001RF08

