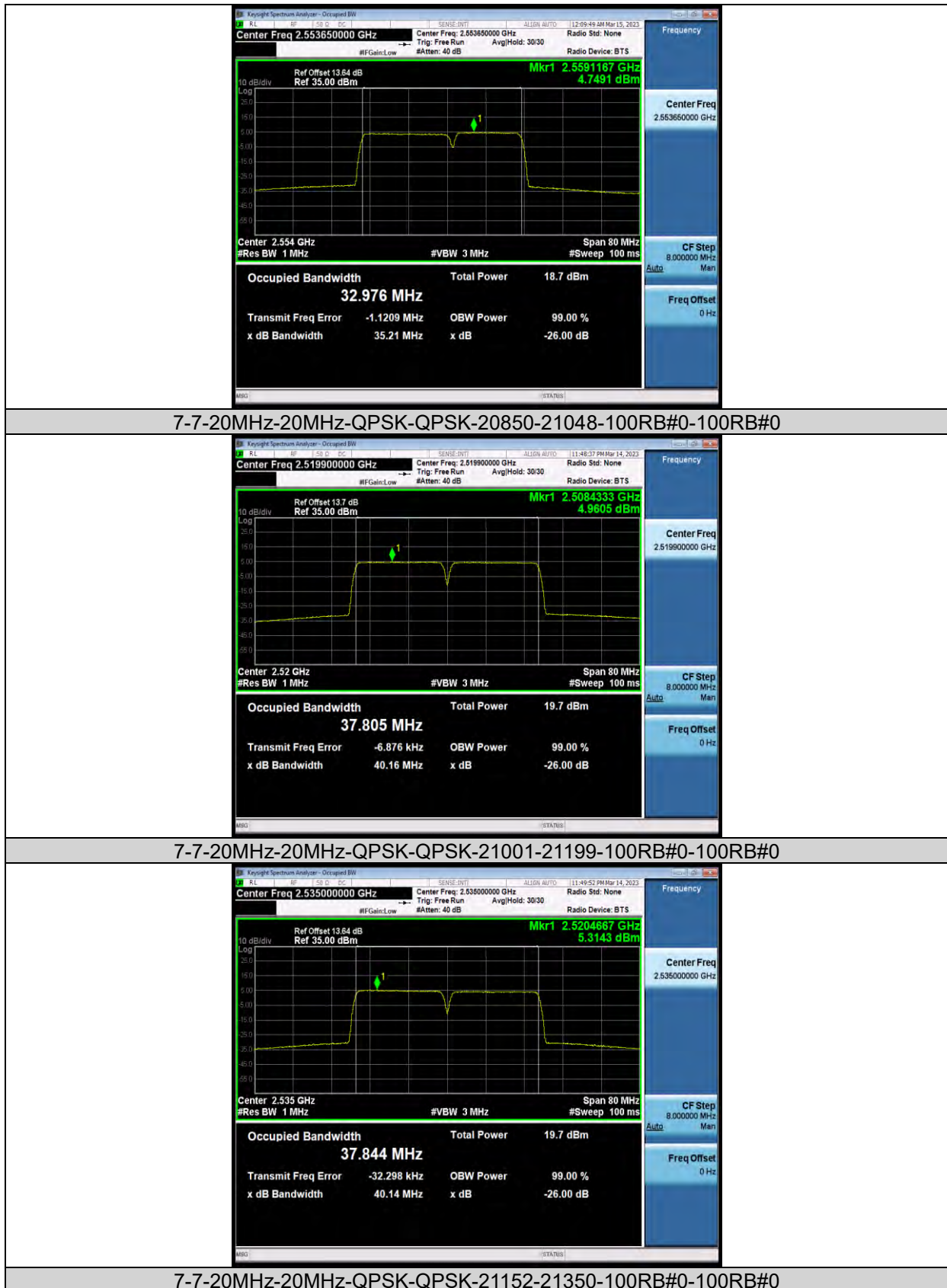




BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07





7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-100RB#0-100RB#0



7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-16QAM-16QAM-21152-21350-100RB#0-100RB#0



7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-100RB#0-100RB#0



7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-100RB#0-100RB#0



7-7-20MHz-20MHz-64QAM-64QAM-21152-21350-100RB#0-100RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07

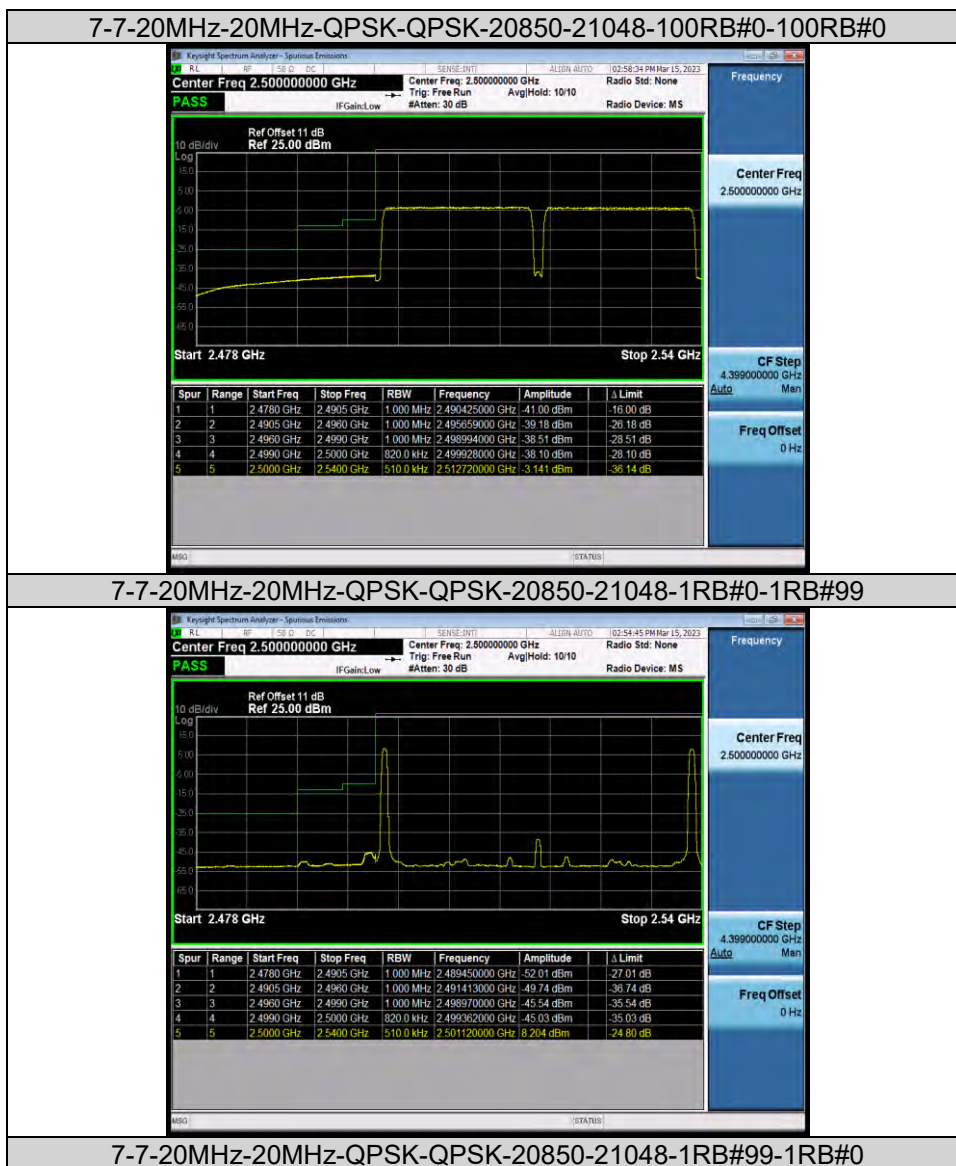


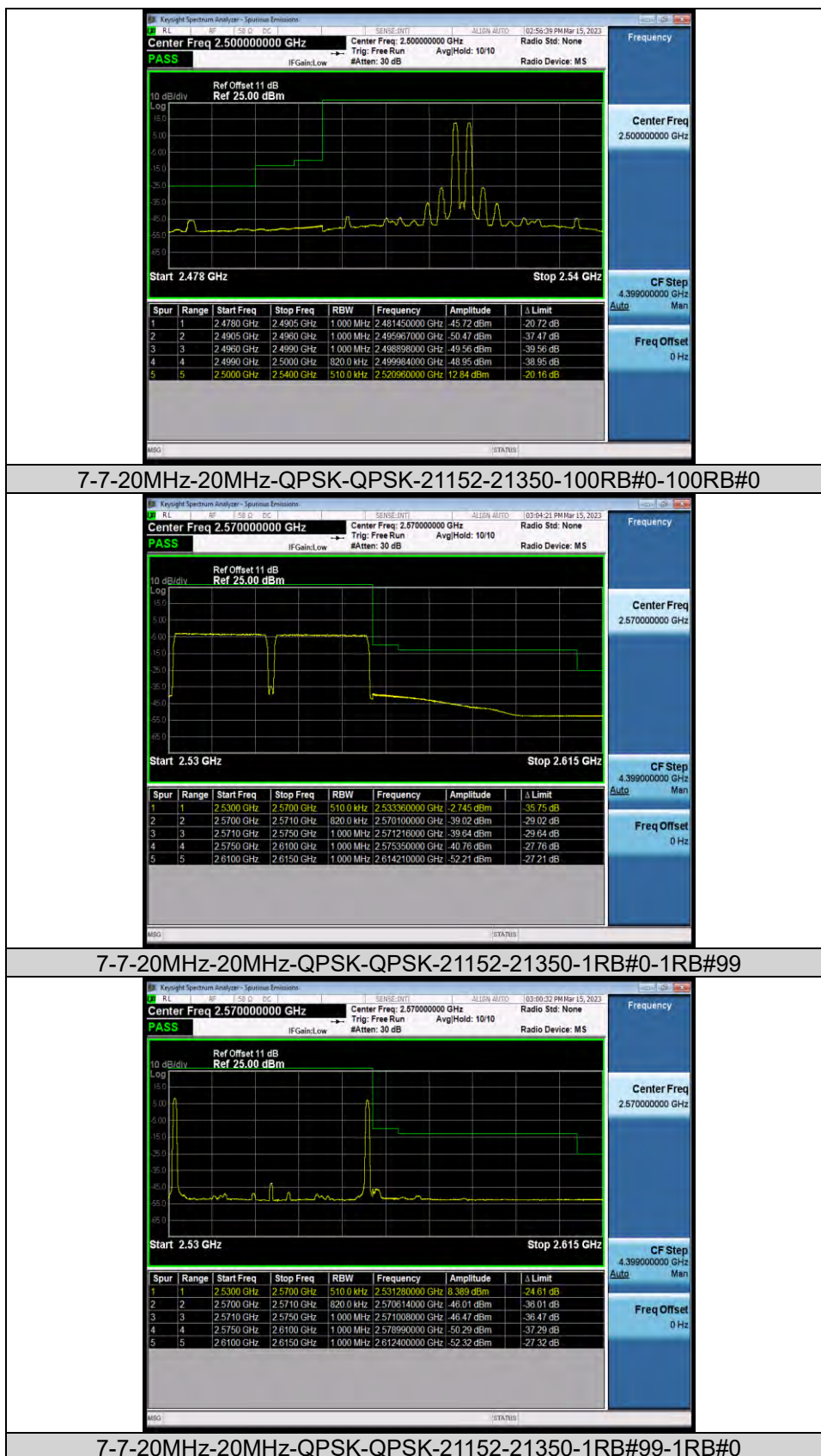
BAND EDGE

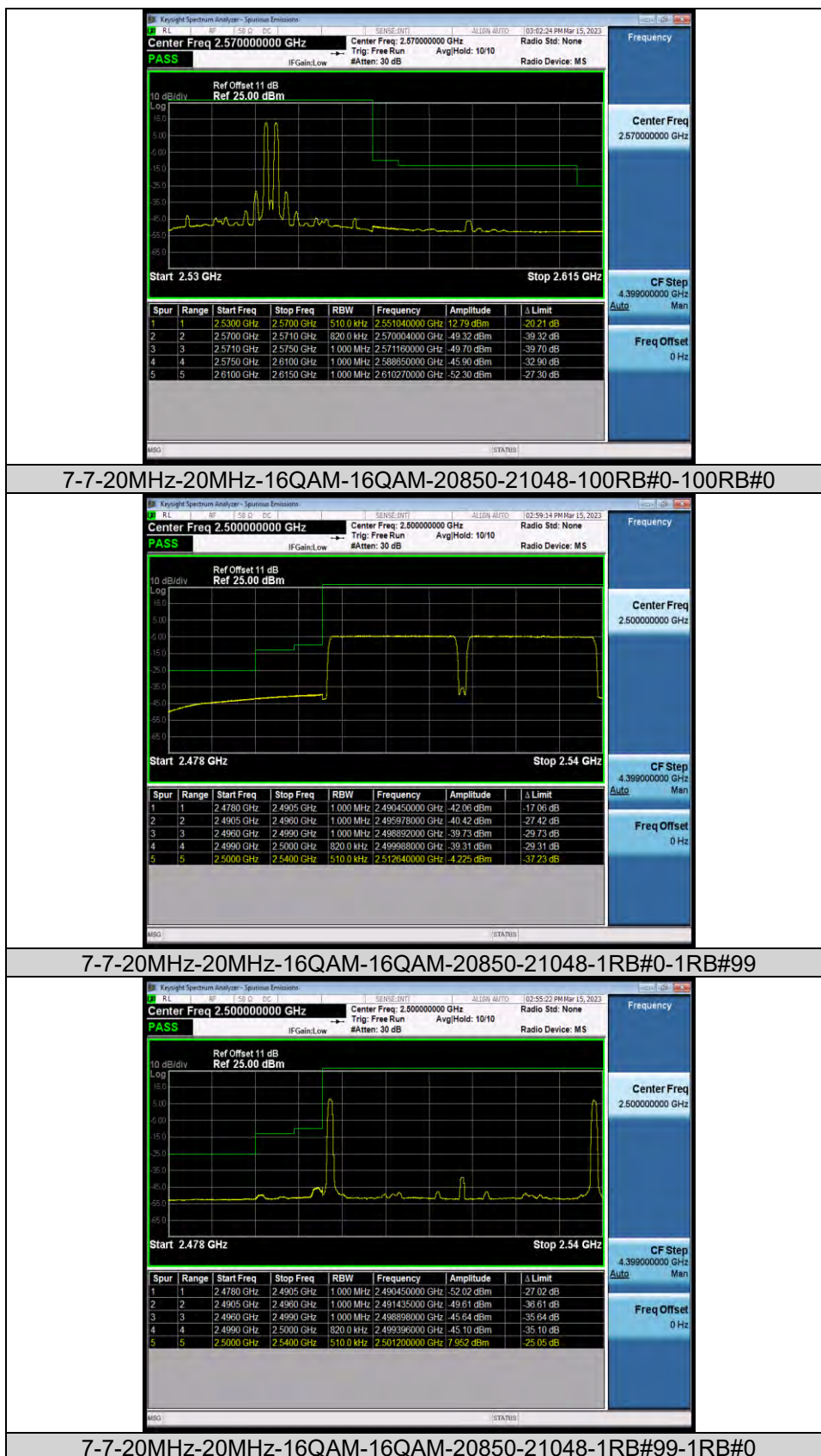
Test Result

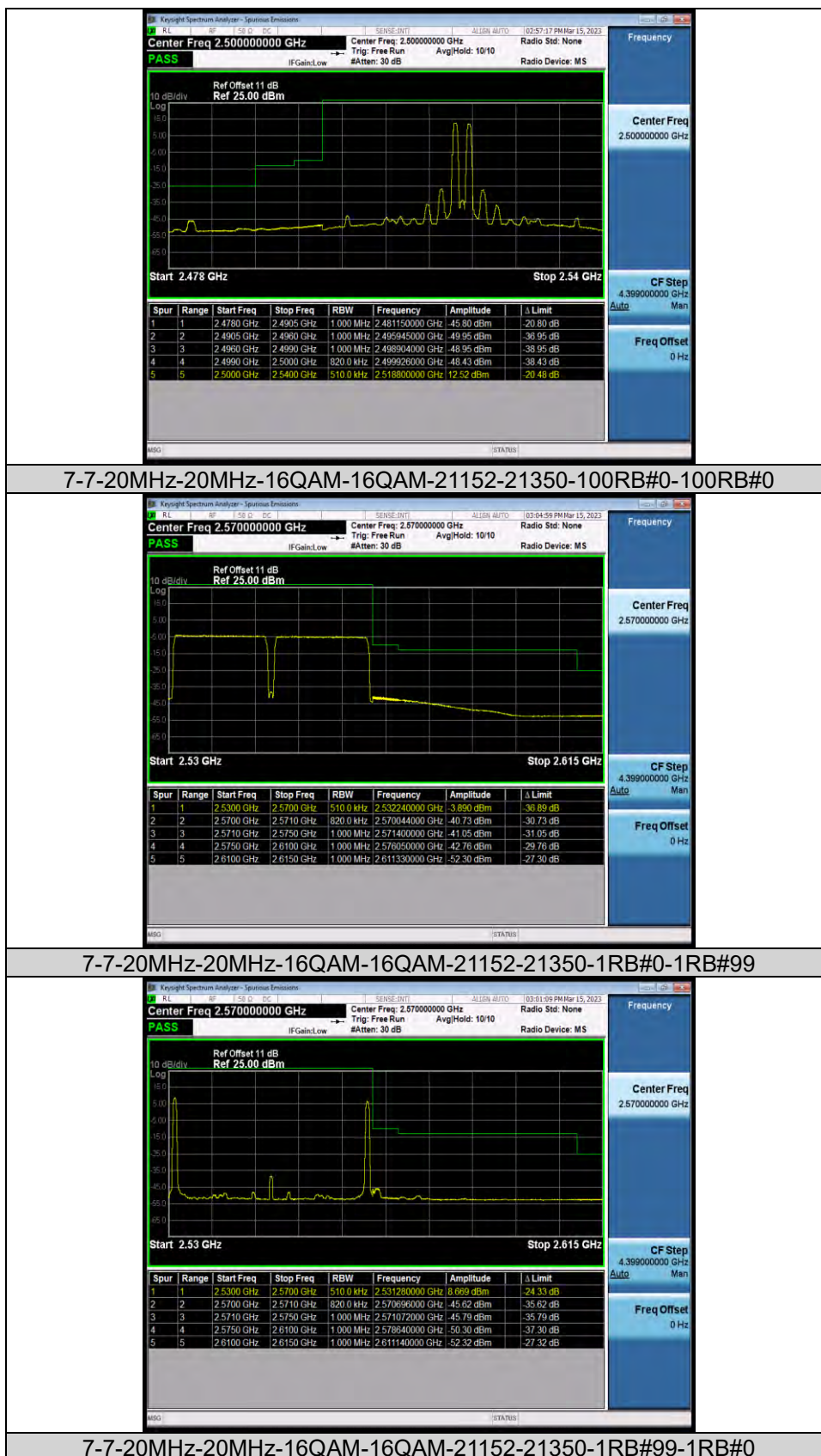
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	-41.00,-39.18, -38.51,-38.10	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-1RB#99	-52.01,-49.74, -45.54,-45.03	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#99-1RB#0	-45.72,-50.47, -49.56,-48.95	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	-39.02,-39.64, -40.76,-52.21	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-1RB#99	-46.01,-46.47, -50.29,-52.32	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#99-1RB#0	-49.32,-49.70, -45.90,-52.30	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	100RB#0-100RB#0	-42.06,-40.42, -39.73,-39.31	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#0-1RB#99	-52.02,-49.61, -45.64,-45.10	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#99-1RB#0	-45.80,-49.95, -48.95,-48.43	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	100RB#0-100RB#0	-40.73,-41.05, -42.76,-52.30	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#0-1RB#99	-45.62,-45.79, -50.30,-52.32	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#99-1RB#0	-48.80,-49.45, -45.64,-52.24	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	100RB#0-100RB#0	-42.14,-40.52, -39.86,-39.51	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#0-1RB#99	-52.03,-49.63, -45.71,-45.19	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#99-1RB#0	-45.83,-50.02, -48.96,-48.34	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	100RB#0-100RB#0	-40.69,-41.47, -42.68,-52.29	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#0-1RB#99	-45.61,-46.03, -50.19,-52.35	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#99-1RB#0	-48.84,-49.38, -45.58,-52.29	PASS

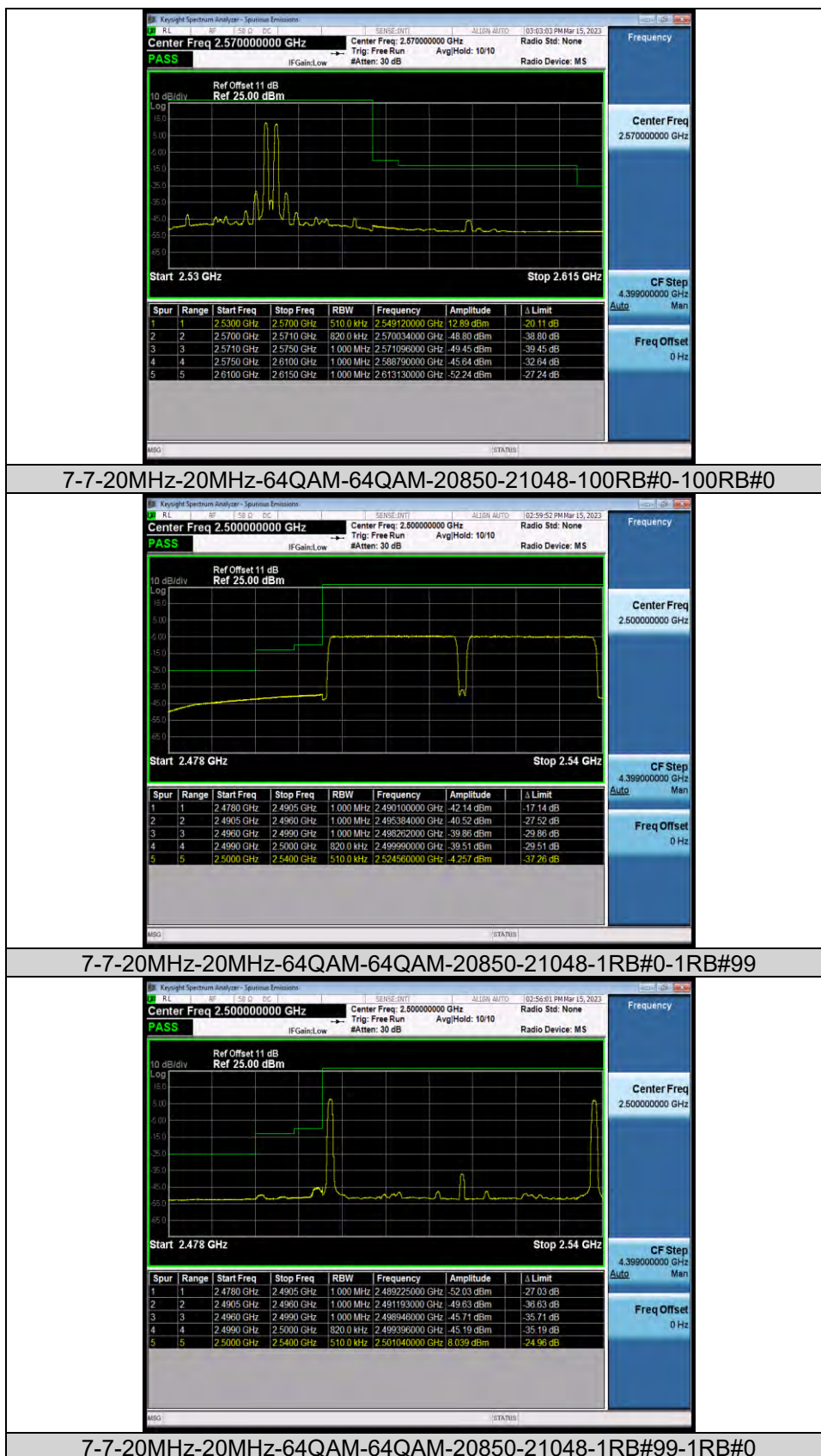
Test Graphs



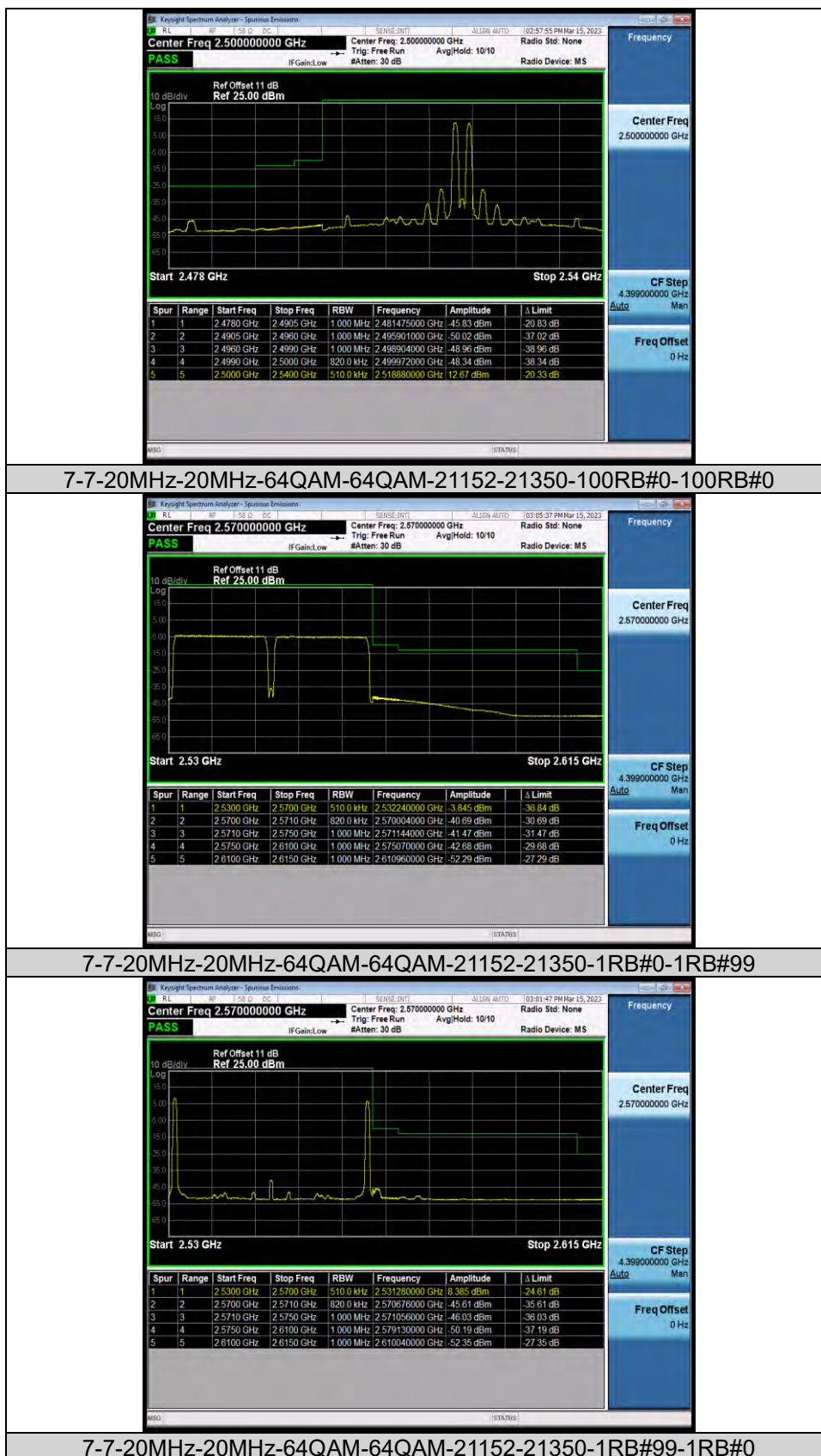




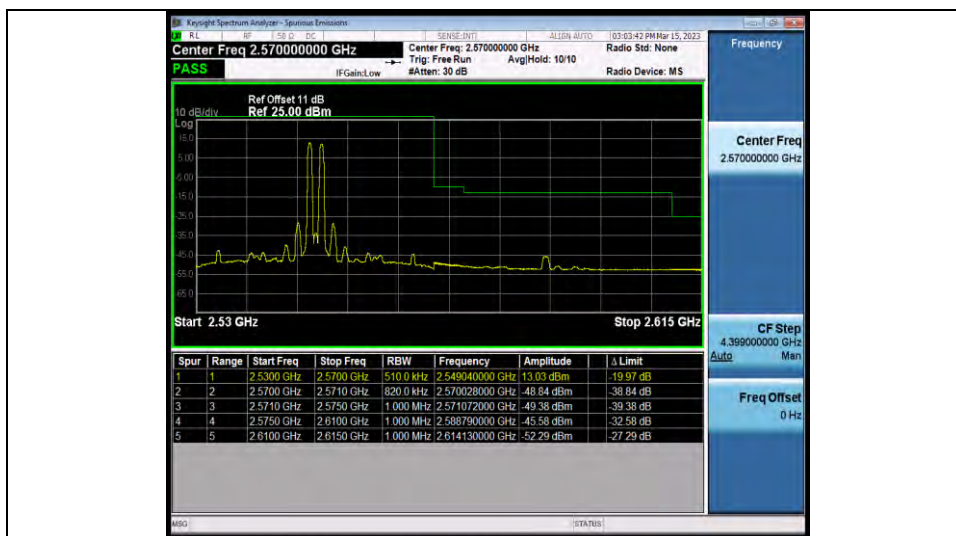




Test Report No.: W7L-P23030004RF07



Test Report No.: W7L-P23030004RF07

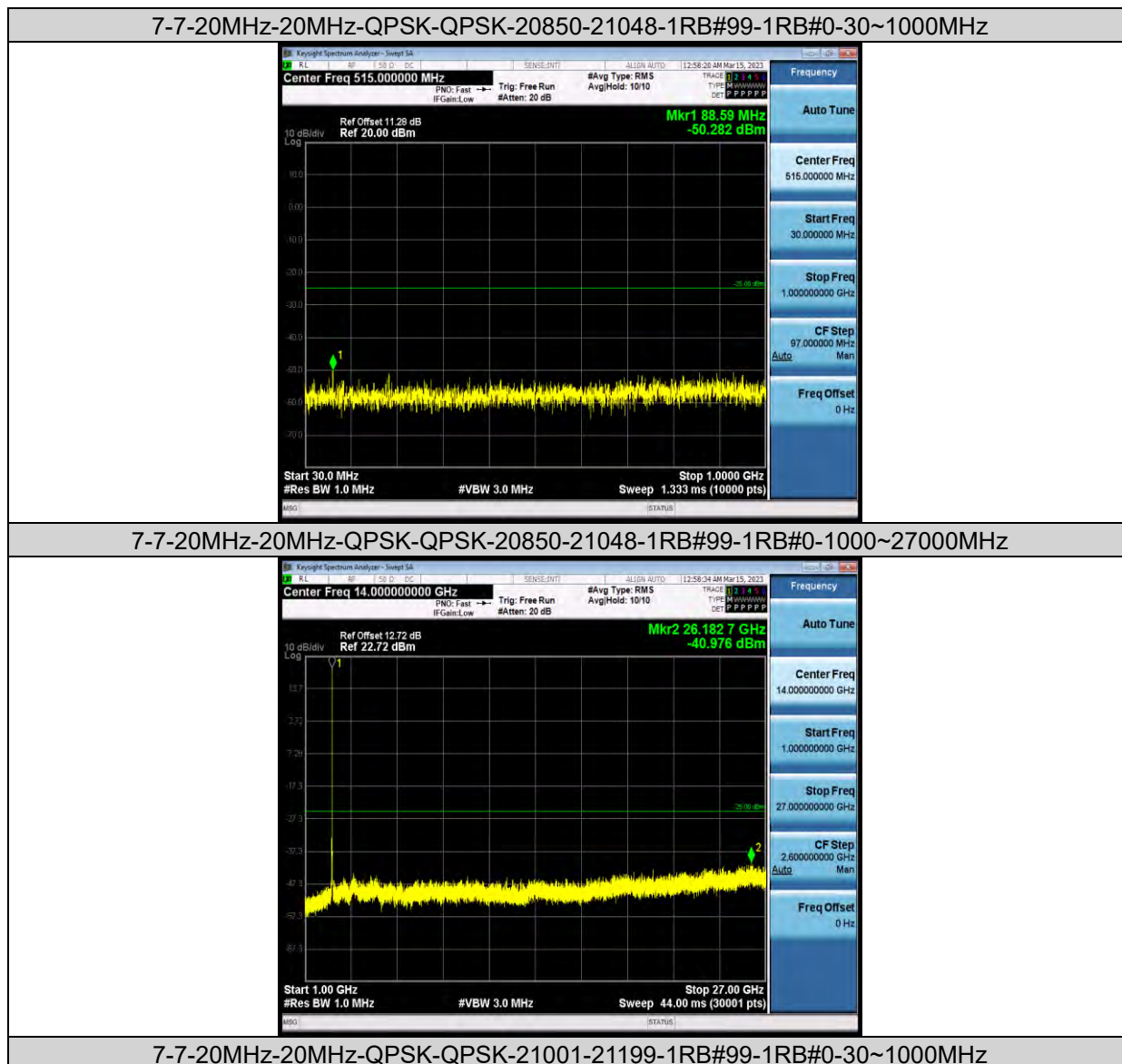


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#99-1RB#0	30~1000MHz	-50.28	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#99-1RB#0	1000~27000MHz	-40.98	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#99-1RB#0	30~1000MHz	-51.24	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#99-1RB#0	1000~27000MHz	-39.39	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#99-1RB#0	30~1000MHz	-51.28	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#99-1RB#0	1000~27000MHz	-41.13	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#99-1RB#0	30~1000MHz	-51.42	PASS
7-7	20MHz-20MHz	16QAM-16QAM	20850-21048	1RB#99-1RB#0	1000~27000MHz	-40.49	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#99-1RB#0	30~1000MHz	-50.54	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21001-21199	1RB#99-1RB#0	1000~27000MHz	-40.35	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#99-1RB#0	30~1000MHz	-51	PASS
7-7	20MHz-20MHz	16QAM-16QAM	21152-21350	1RB#99-1RB#0	1000~27000MHz	-40.97	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#99-1RB#0	30~1000MHz	-51.65	PASS
7-7	20MHz-20MHz	64QAM-64QAM	20850-21048	1RB#99-1RB#0	1000~27000MHz	-39.89	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#99-1RB#0	30~1000MHz	-50.45	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21001-21199	1RB#99-1RB#0	1000~27000MHz	-40.84	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#99-1RB#0	30~1000MHz	-50.35	PASS
7-7	20MHz-20MHz	64QAM-64QAM	21152-21350	1RB#99-1RB#0	1000~27000MHz	-41.55	PASS

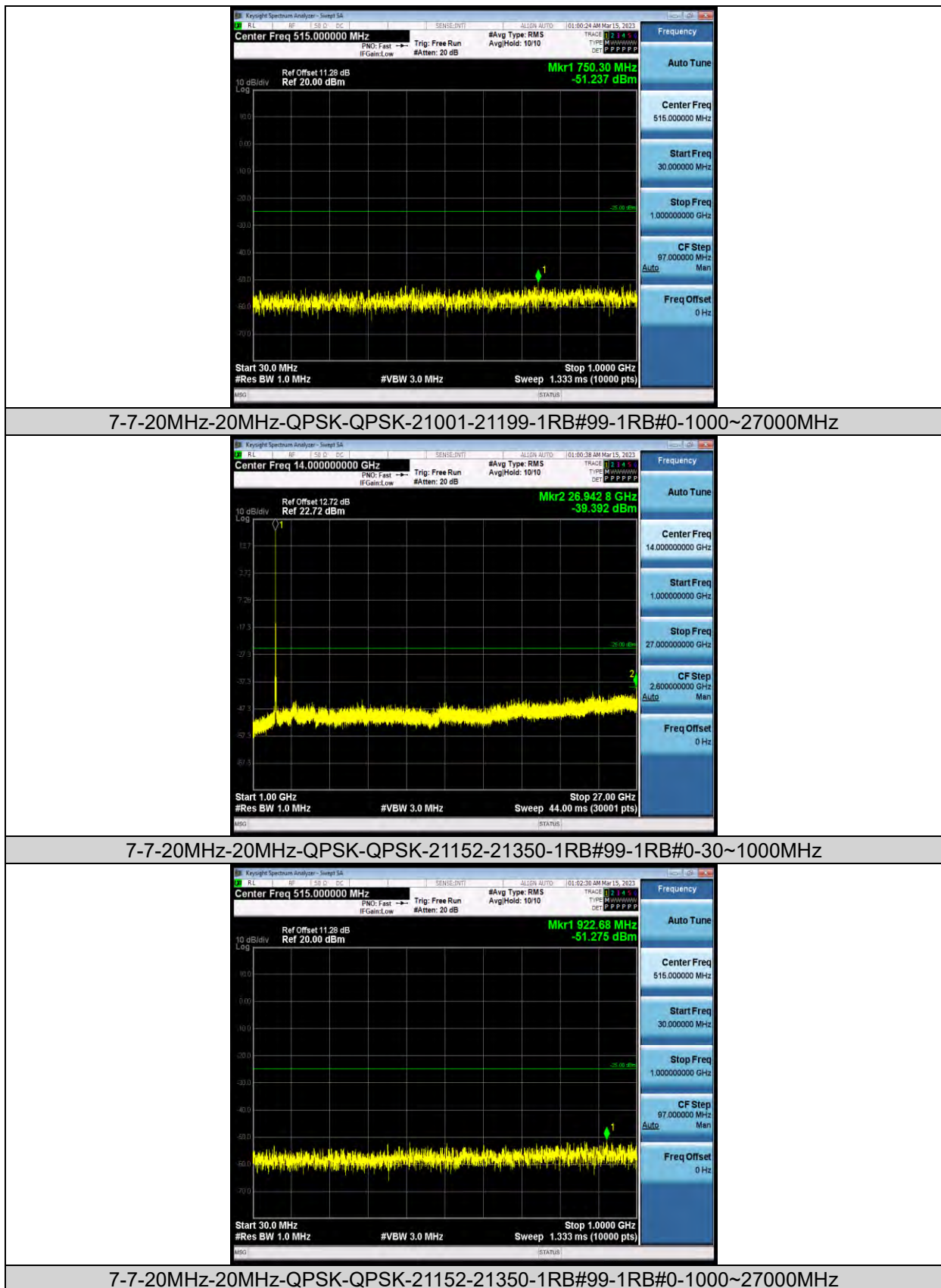
Test Graphs





BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07



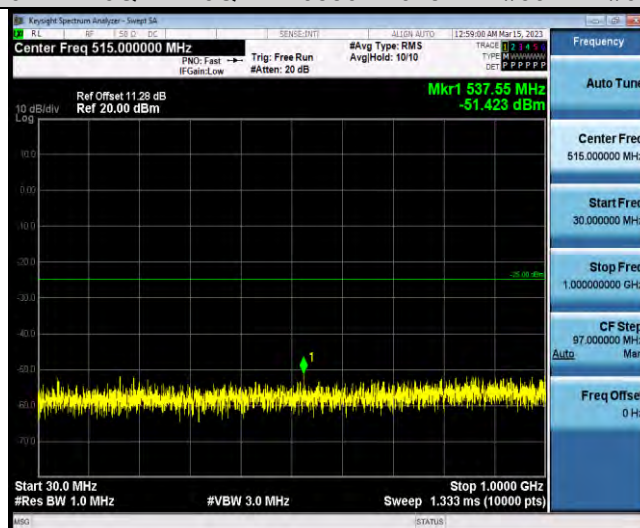


BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07



7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-1RB#99-1RB#0-30~1000MHz



7-7-20MHz-20MHz-16QAM-16QAM-20850-21048-1RB#99-1RB#0-1000~27000MHz

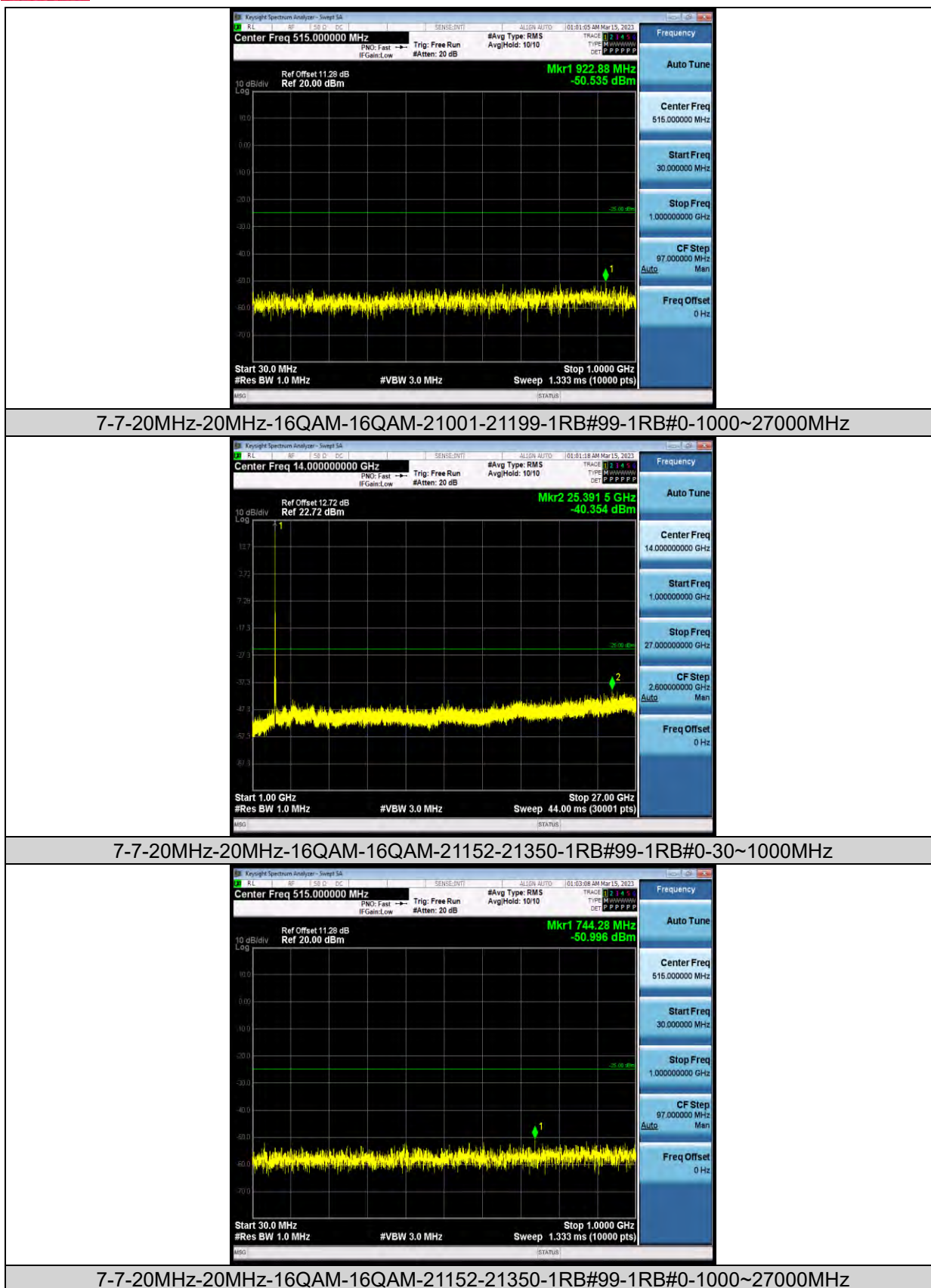


7-7-20MHz-20MHz-16QAM-16QAM-21001-21199-1RB#99-1RB#0-30~1000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07



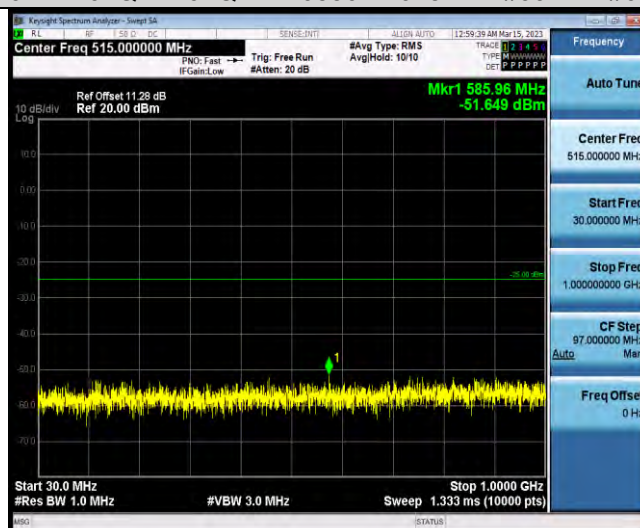


BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07



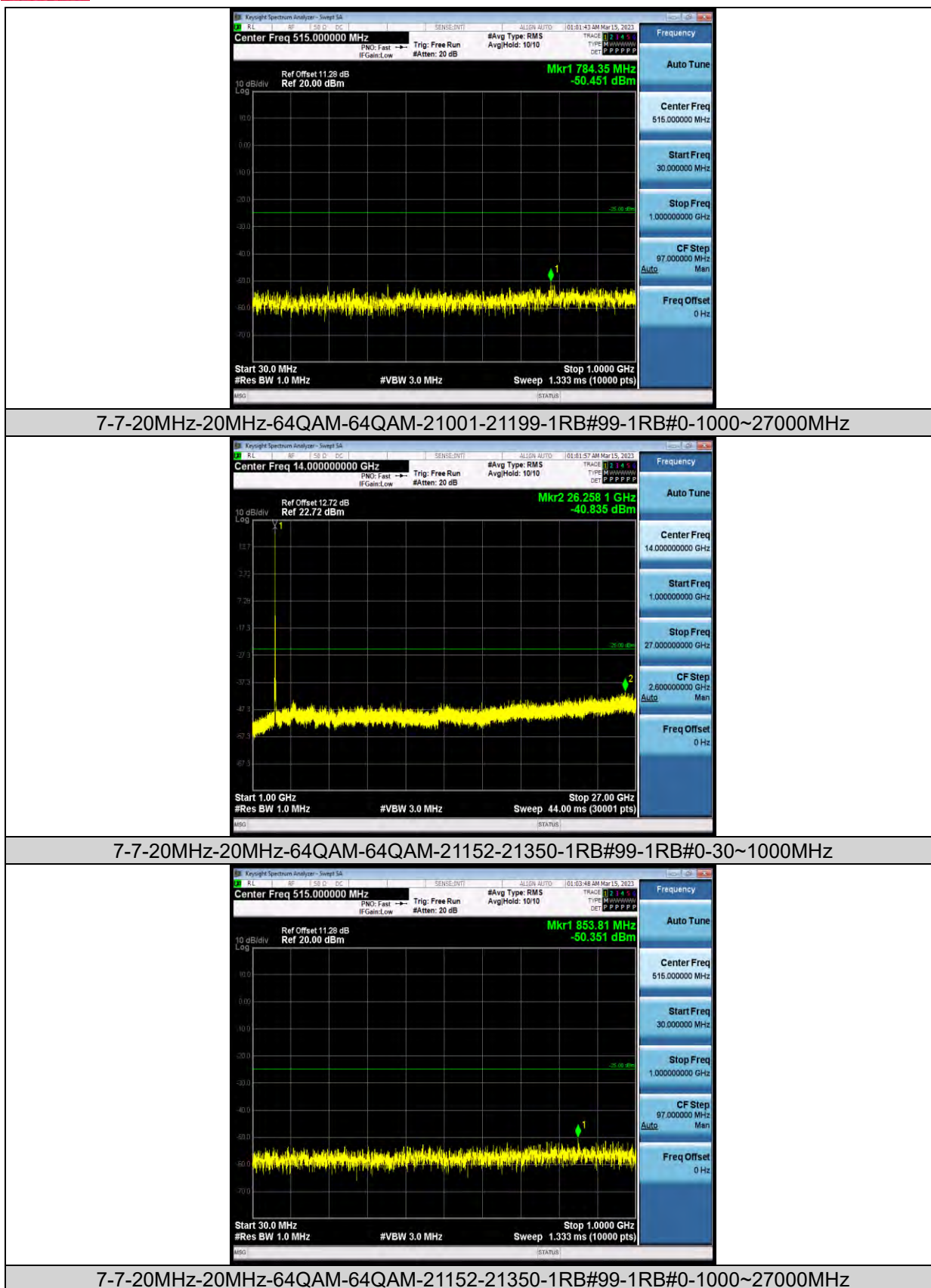
7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-1RB#99-1RB#0-30~1000MHz

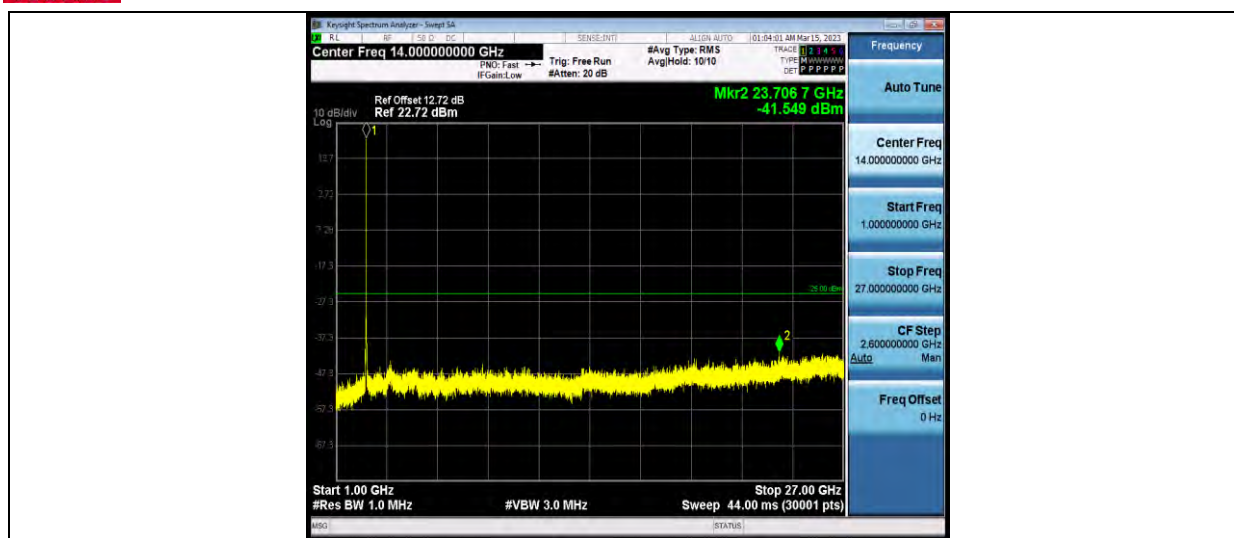


7-7-20MHz-20MHz-64QAM-64QAM-20850-21048-1RB#99-1RB#0-1000~27000MHz



7-7-20MHz-20MHz-64QAM-64QAM-21001-21199-1RB#99-1RB#0-30~1000MHz





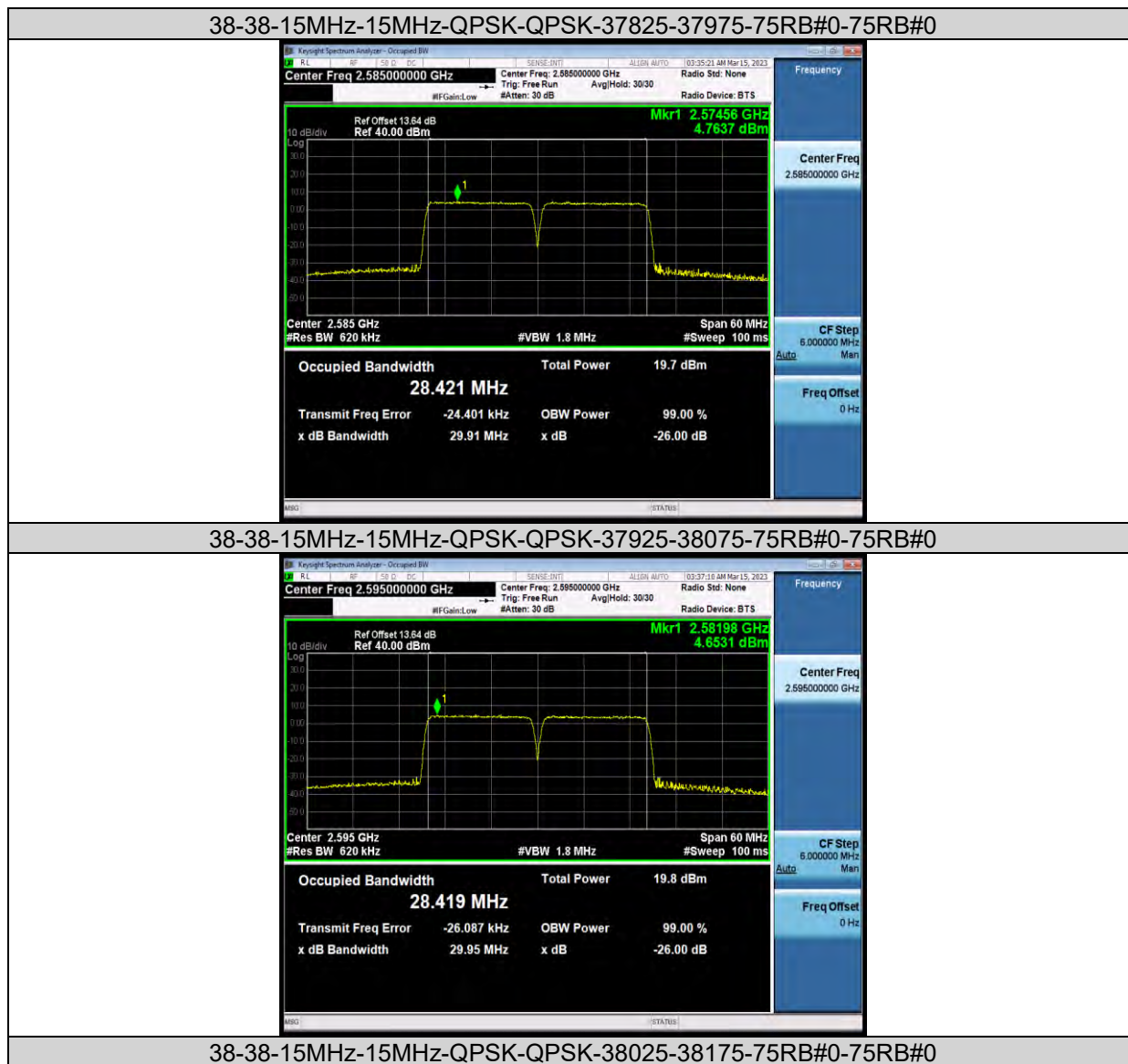
LTE BAND CA_38C

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	75RB#0-75RB#0	28.421	29.91	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	28.419	29.95	PASS
38-38	15MHz-15MHz	QPSK-QPSK	38025-38175	75RB#0-75RB#0	28.418	29.93	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	75RB#0-75RB#0	28.409	29.91	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	28.417	29.94	PASS
38-38	15MHz-15MHz	16QAM-16QAM	38025-38175	75RB#0-75RB#0	28.425	29.94	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	75RB#0-75RB#0	28.416	29.91	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	75RB#0-75RB#0	28.409	29.89	PASS
38-38	15MHz-15MHz	64QAM-64QAM	38025-38175	75RB#0-75RB#0	28.453	29.96	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	100RB#0-100RB#0	37.733	39.68	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	37.681	39.65	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	100RB#0-100RB#0	37.717	39.68	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	100RB#0-100RB#0	37.668	39.67	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	100RB#0-100RB#0	37.702	39.67	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	100RB#0-100RB#0	37.723	39.67	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	100RB#0-100RB#0	37.728	39.66	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	100RB#0-100RB#0	37.731	39.67	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	100RB#0-100RB#0	37.704	39.65	PASS

Test Graphs

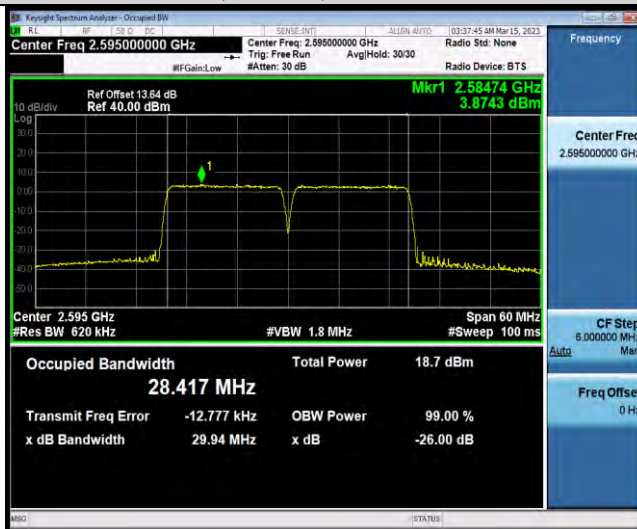




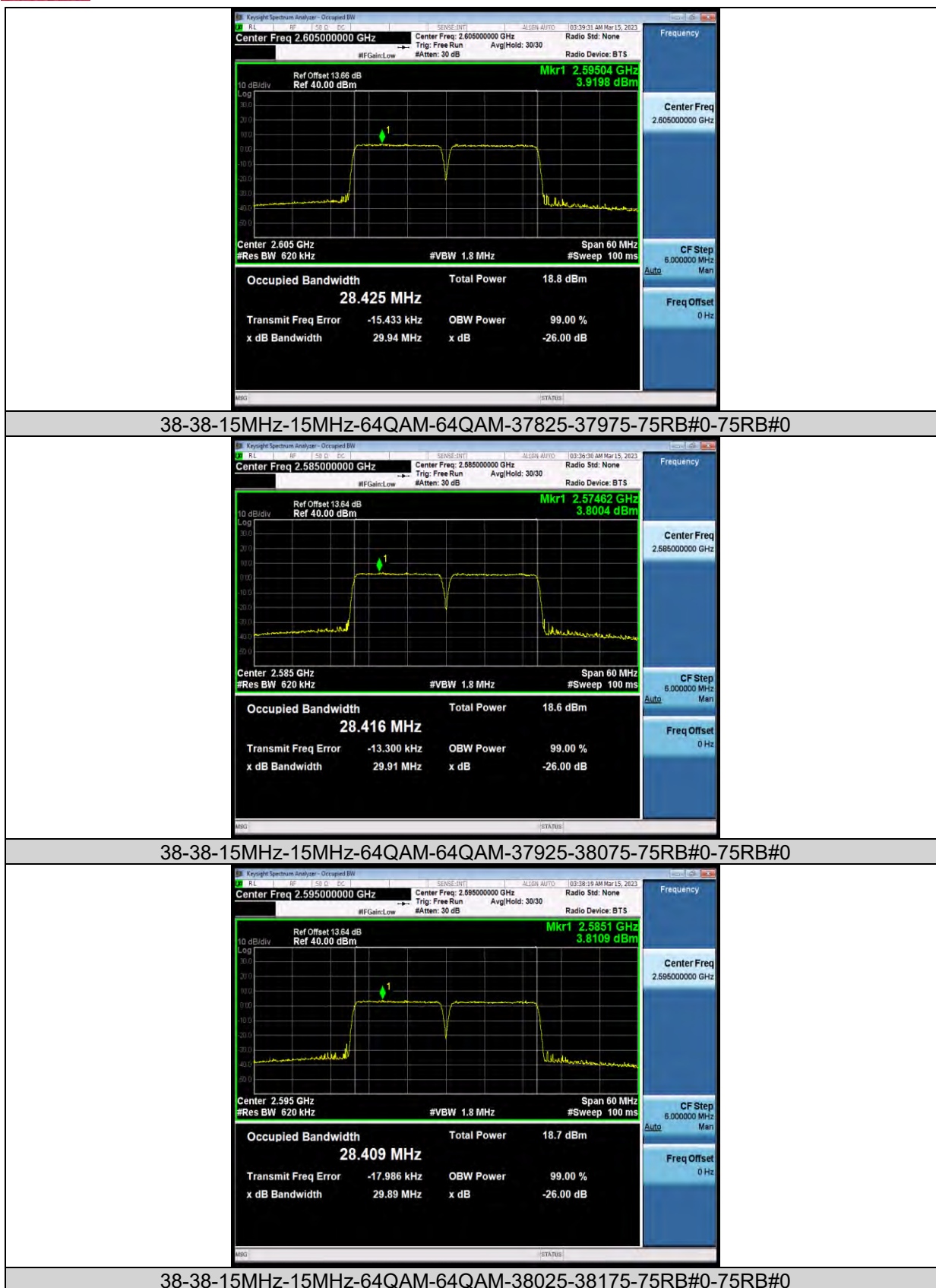
38-38-15MHz-15MHz-16QAM-16QAM-37825-37975-75RB#0-75RB#0

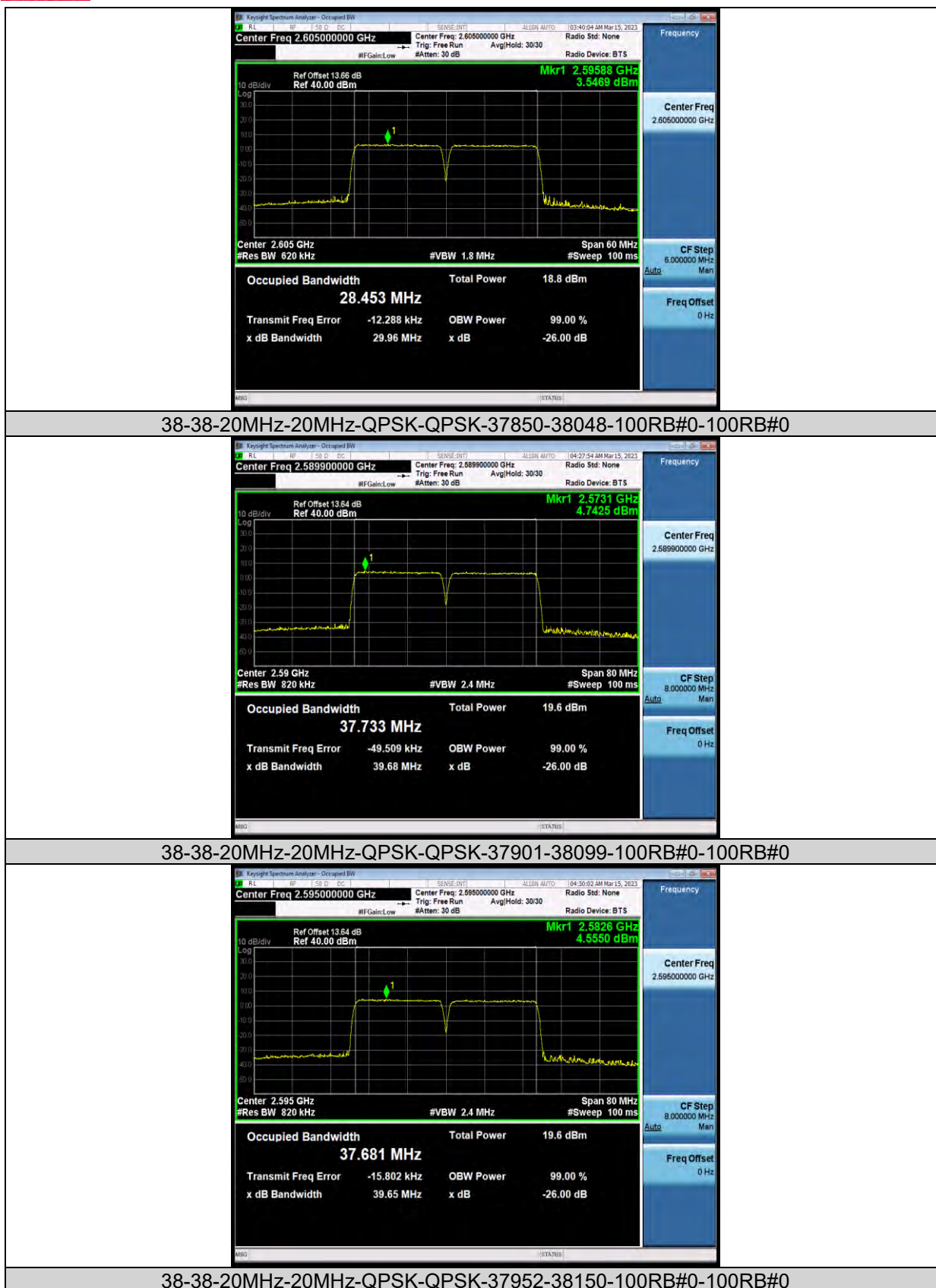


38-38-15MHz-15MHz-16QAM-16QAM-37925-38075-75RB#0-75RB#0



38-38-15MHz-15MHz-16QAM-16QAM-38025-38175-75RB#0-75RB#0







BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07



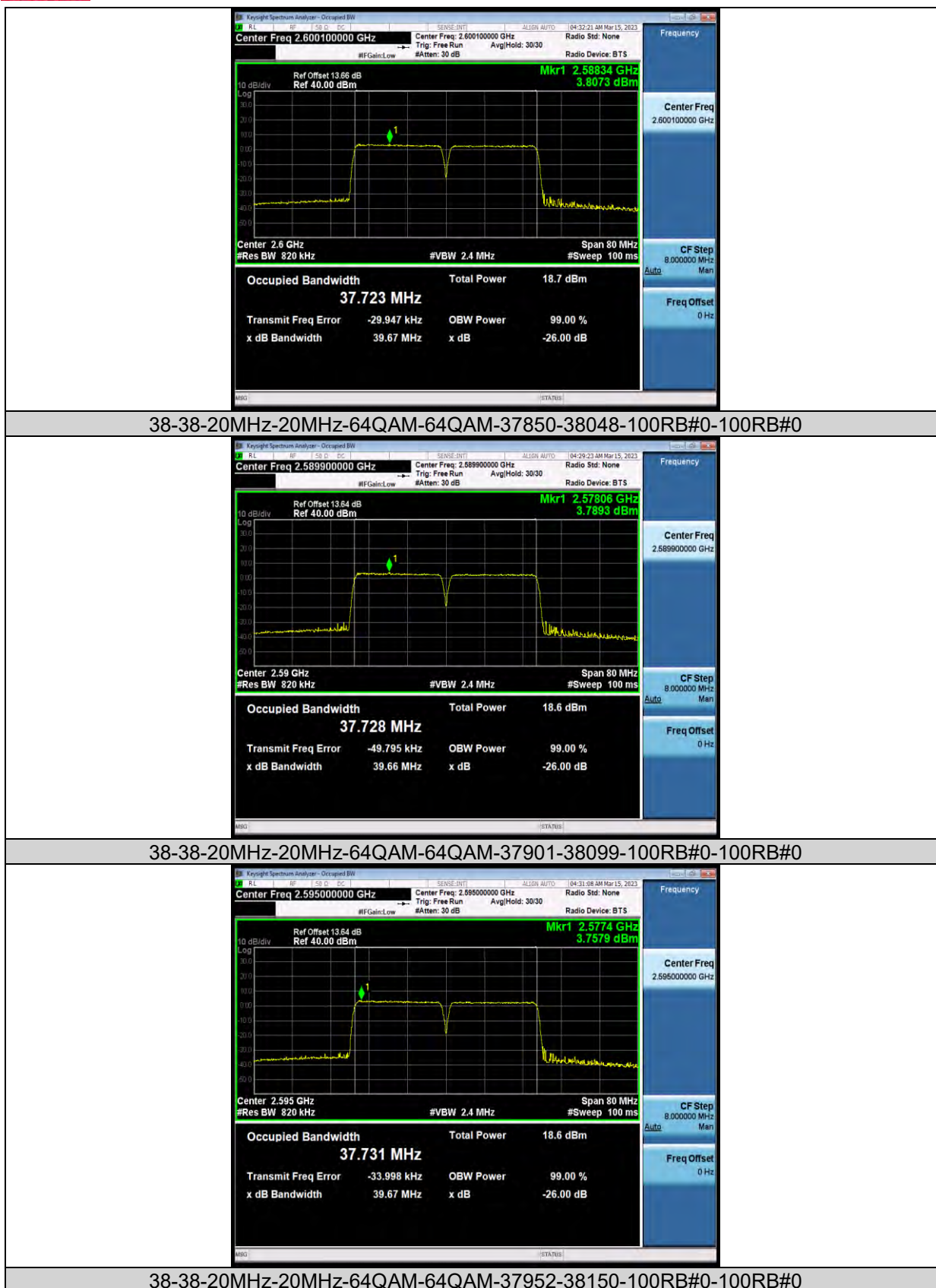
38-38-20MHz-20MHz-16QAM-16QAM-37850-38048-100RB#0-100RB#0



38-38-20MHz-20MHz-16QAM-16QAM-37901-38099-100RB#0-100RB#0



38-38-20MHz-20MHz-16QAM-16QAM-37952-38150-100RB#0-100RB#0





BUREAU
VERITAS

Test Report No.: W7L-P23030004RF07





Test Report No.: W7L-P23030004RF07

BAND EDGE

Test Result

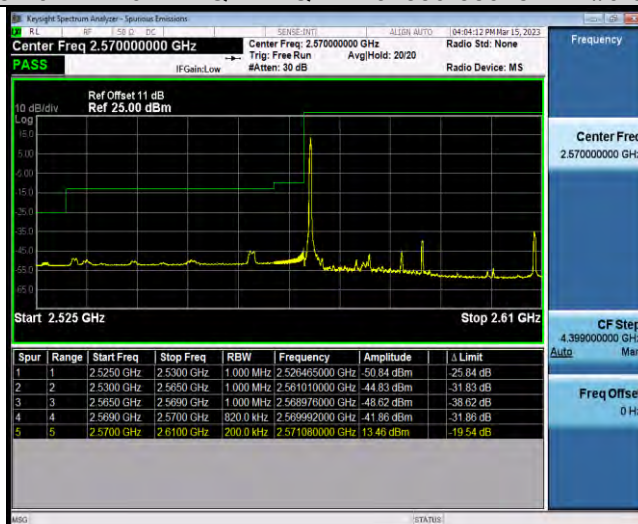
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	100RB#0-100RB#0	-51.30,-41.14,-41.39,-41.47	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#0-0RB#0	-50.84,-44.83,-48.62,-41.86	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#99-0RB#0	-51.71,-45.11,-49.41,-48.55	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	-51.11,-41.19,-41.05,-41.87	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#0-0RB#0	-50.97,-44.79,-48.70,-42.86	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#99-0RB#0	-51.76,-45.48,-49.20,-48.48	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	100RB#0-100RB#0	-43.74,-44.51,-44.71,-50.59	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#0-0RB#0	-40.83,-41.10,-43.32,-51.24	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#99-0RB#0	-50.54,-50.54,-40.77,-51.46	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	100RB#0-100RB#0	-51.59,-43.16,-43.06,-42.53	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	1RB#0-0RB#0	-51.29,-45.20,-48.81,-43.31	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	1RB#99-0RB#0	-51.76,-46.18,-49.42,-48.32	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	100RB#0-100RB#0	-51.55,-42.41,-42.40,-42.97	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	1RB#0-0RB#0	-51.24,-45.53,-49.00,-42.84	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	1RB#99-0RB#0	-51.91,-46.04,-49.49,-48.46	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	100RB#0-100RB#0	-44.87,-45.42,-46.36,-51.36	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	1RB#0-0RB#0	-42.13,-41.60,-44.75,-51.29	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	1RB#99-0RB#0	-50.84,-50.68,-41.14,-51.56	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	100RB#0-100RB#0	-51.79,-42.84,-42.97,-42.67	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	1RB#0-0RB#0	-51.15,-44.86,-49.16,-42.34	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	1RB#99-0RB#0	-51.73,-46.02,-49.27,-48.91	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	100RB#0-100RB#0	-51.66,-42.79,-42.04,-42.71	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	1RB#0-0RB#0	-51.13,-45.45,-48.71,-43.00	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	1RB#99-0RB#0	-51.87,-46.46,-49.21,-48.38	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	100RB#0-100RB#0	-44.82,-44.79,-45.24,-51.05	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	1RB#0-0RB#0	-41.28,-41.87,-44.88,-51.36	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	1RB#99-0RB#0	-50.68,-50.66,-41.14,-51.63	PASS

Test Graphs

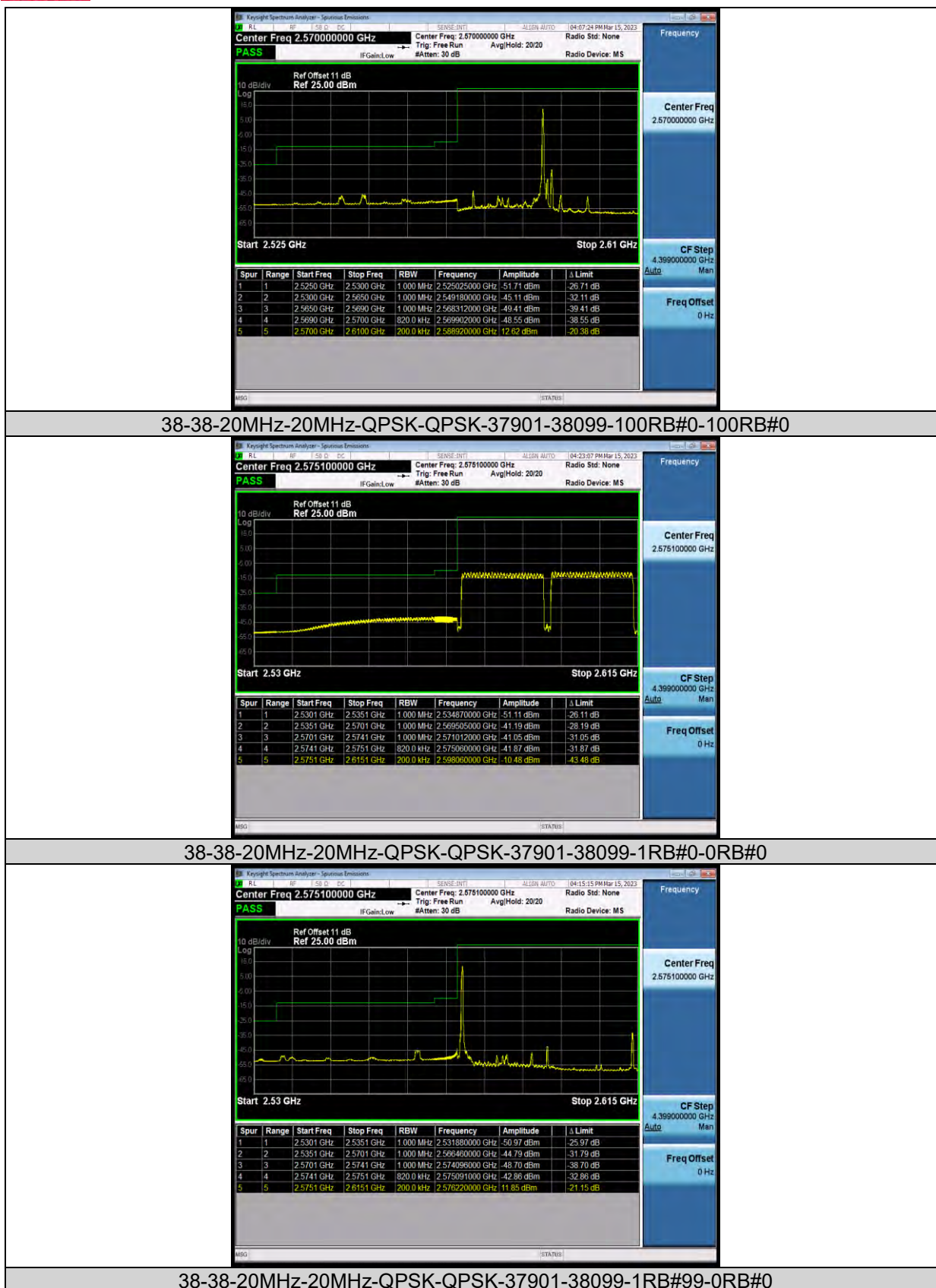
38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-100RB#0-100RB#0

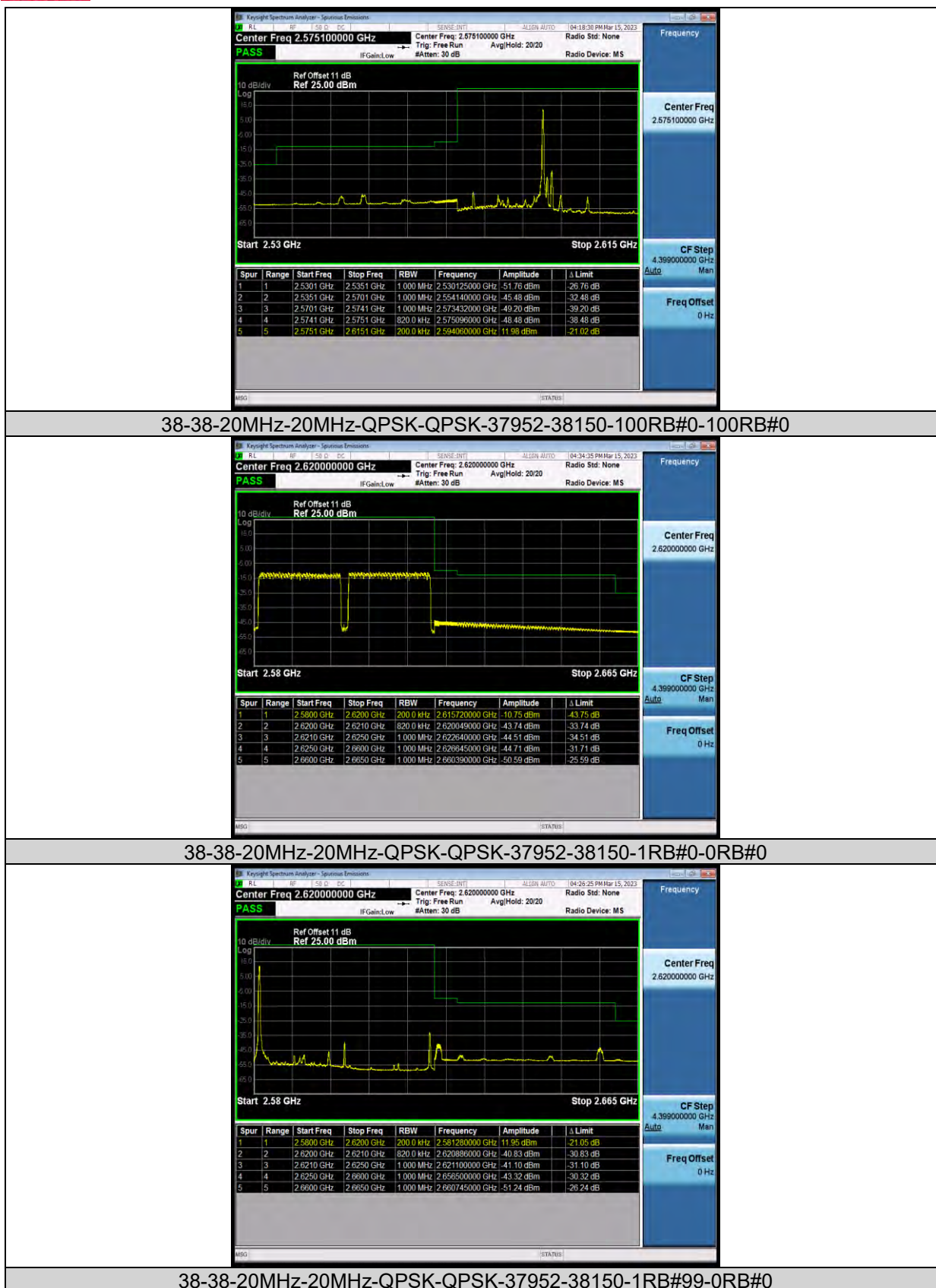


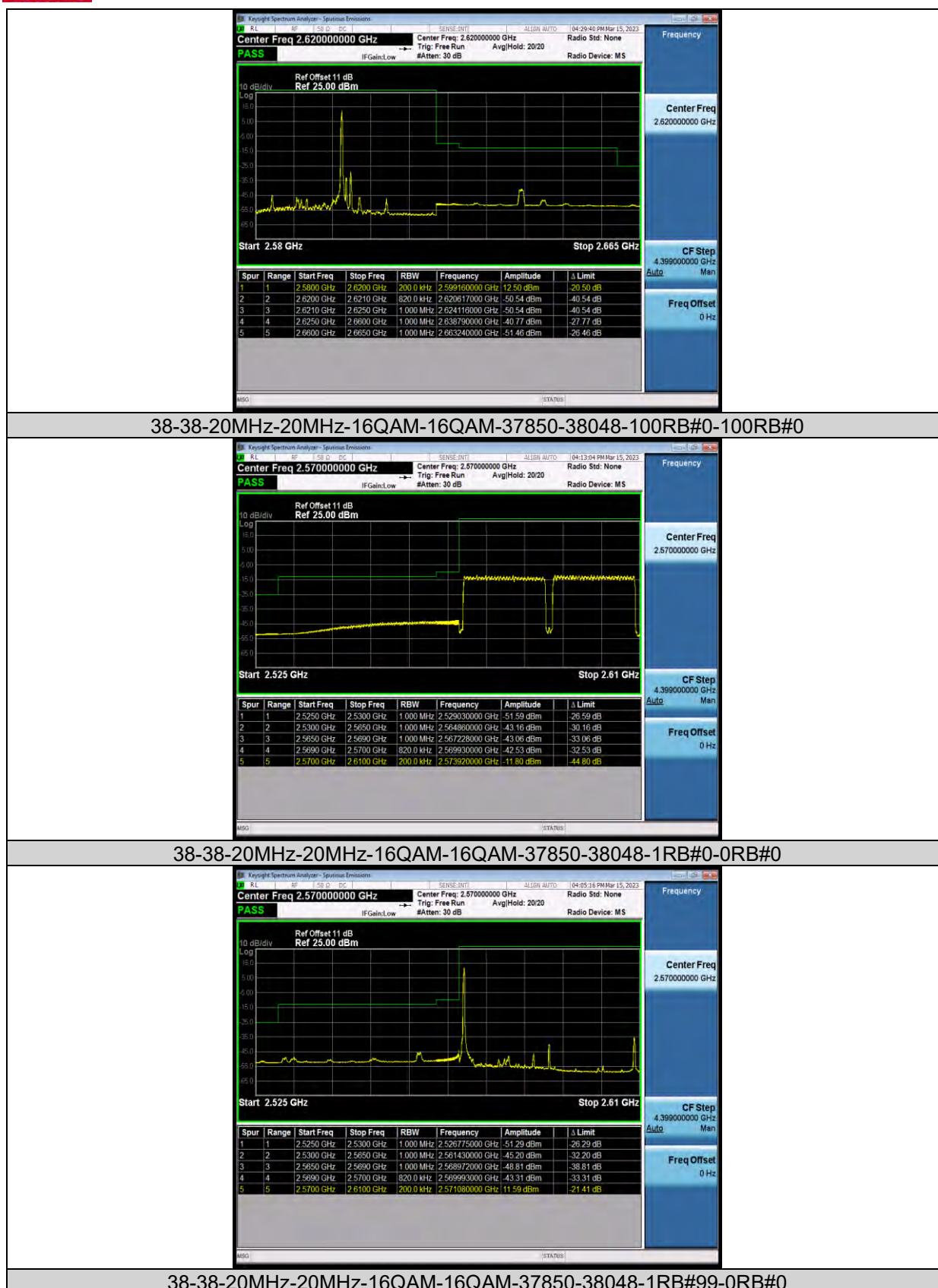
38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0

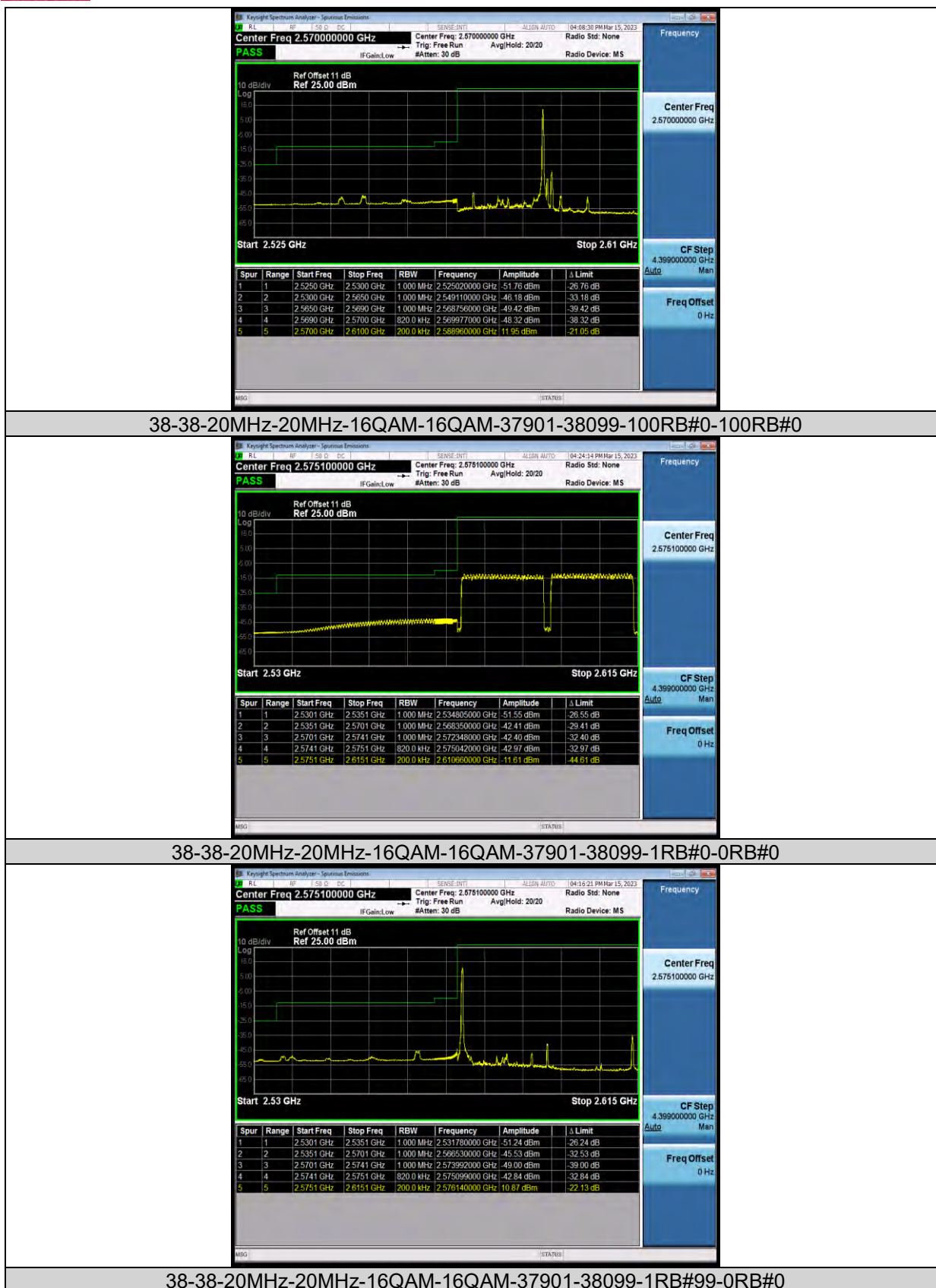


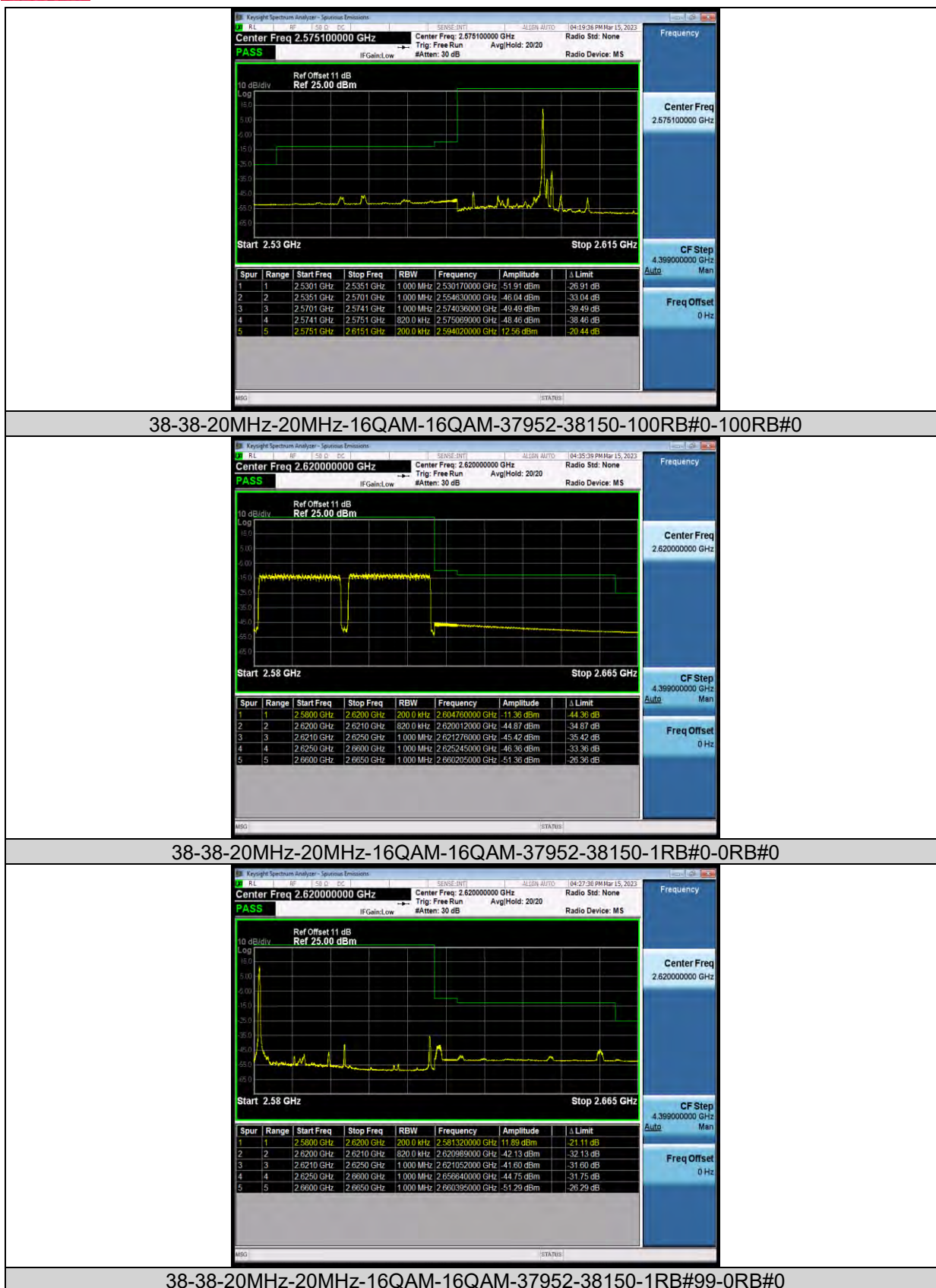
38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#99-0RB#0

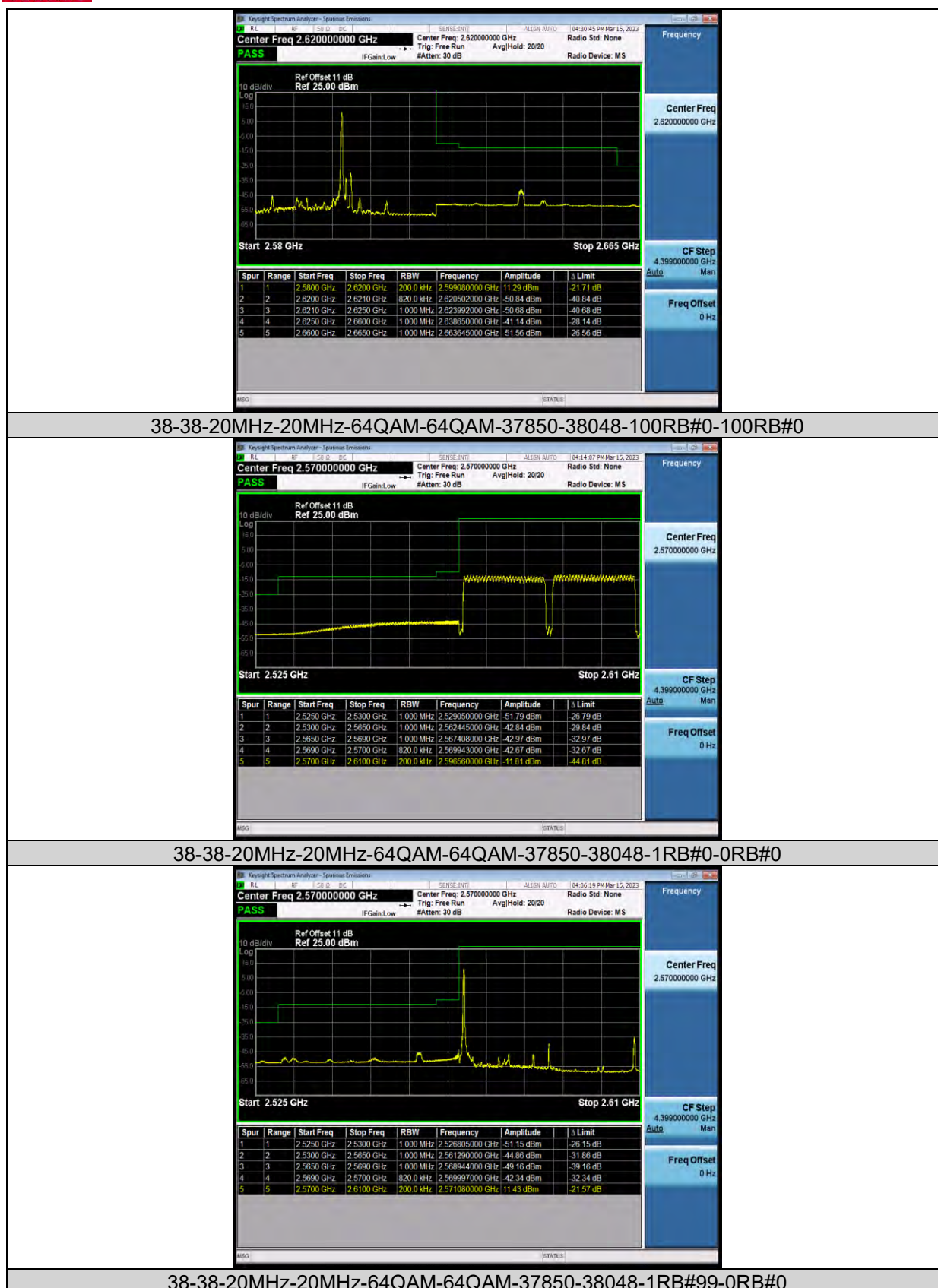


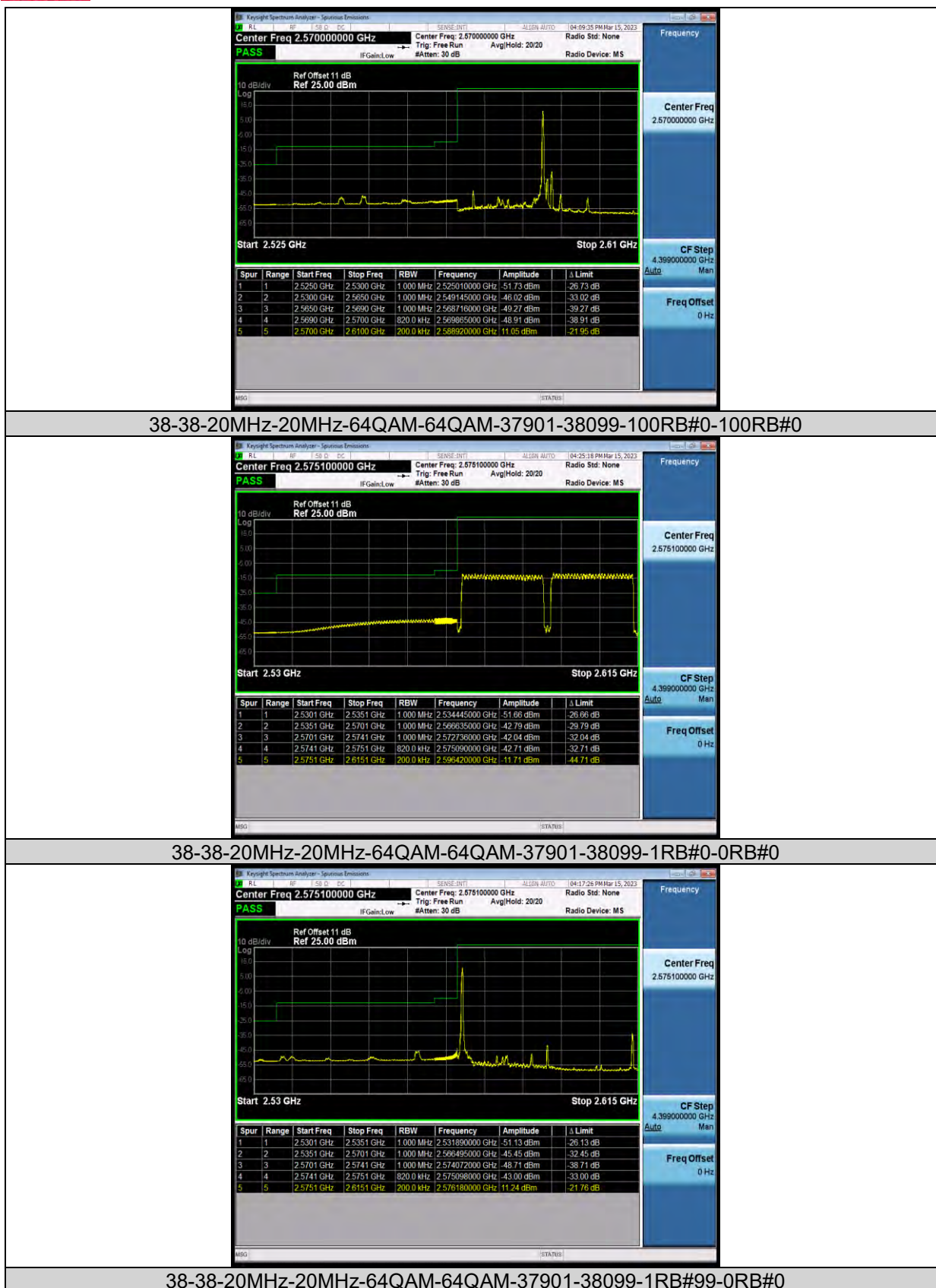


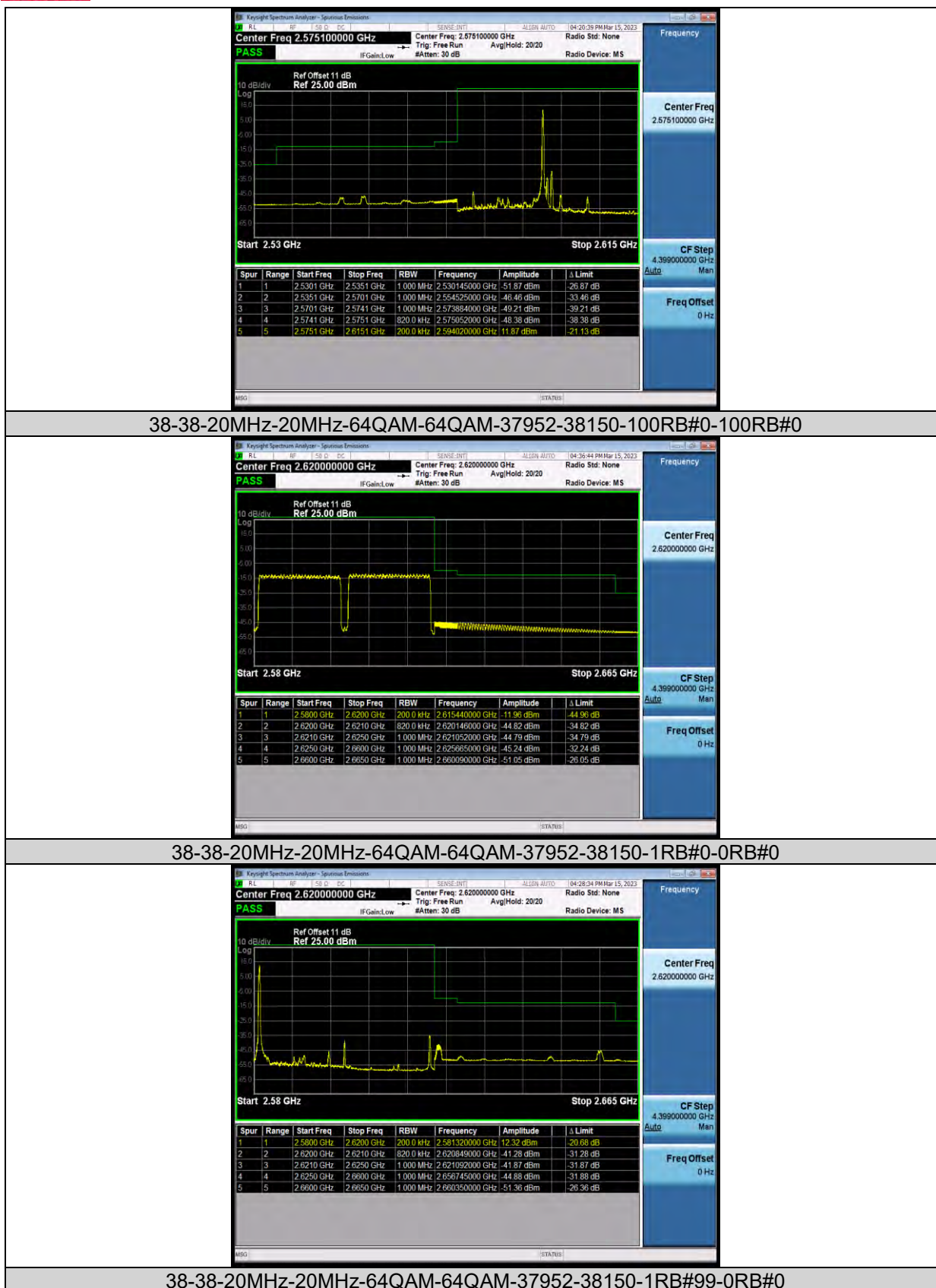


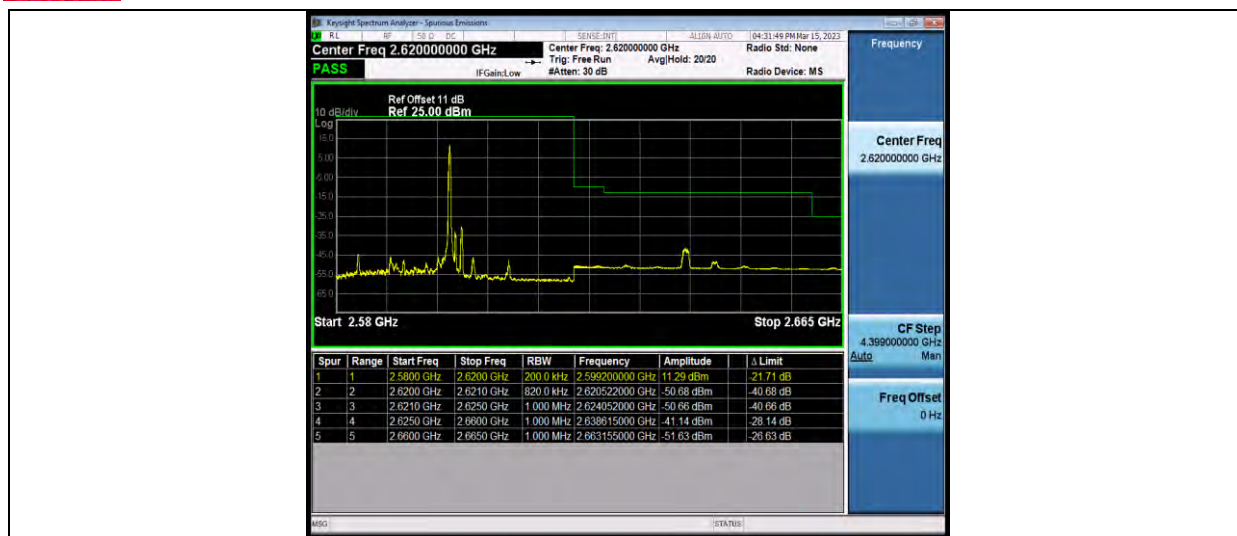














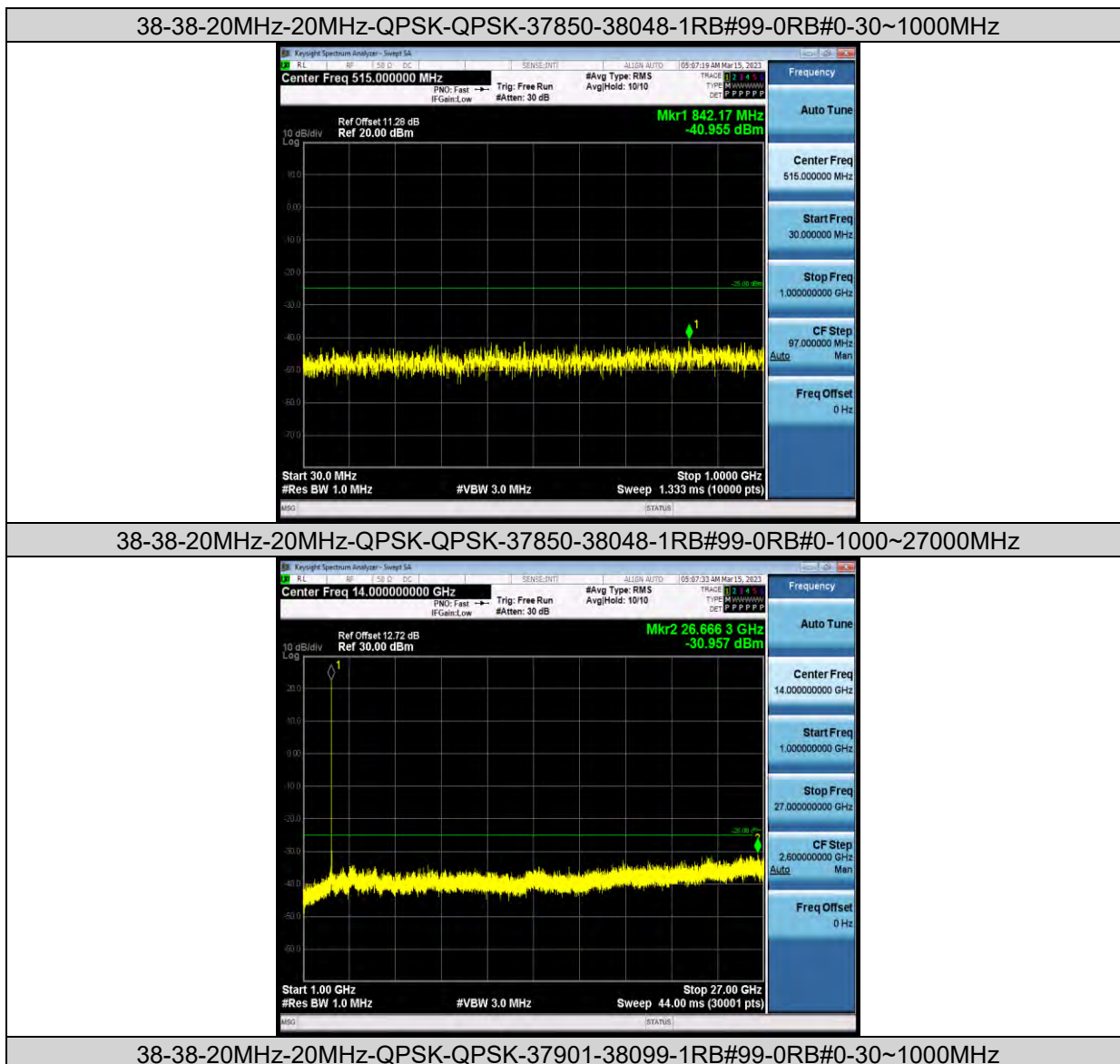
Test Report No.: W7L-P23030004RF07

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#99-0RB#0	30~1000MHz	-40.96	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#99-0RB#0	1000~27000MHz	-30.96	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#99-0RB#0	30~1000MHz	-40.53	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#99-0RB#0	1000~27000MHz	-30.01	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#99-0RB#0	30~1000MHz	-40.44	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#99-0RB#0	1000~27000MHz	-30.28	PASS

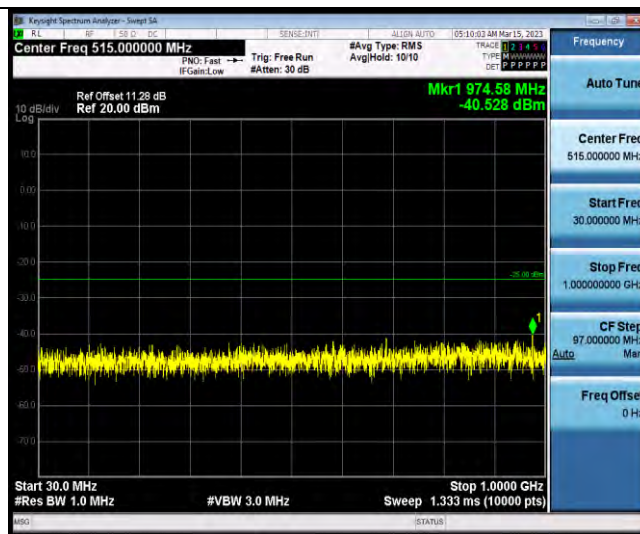
Test Graphs



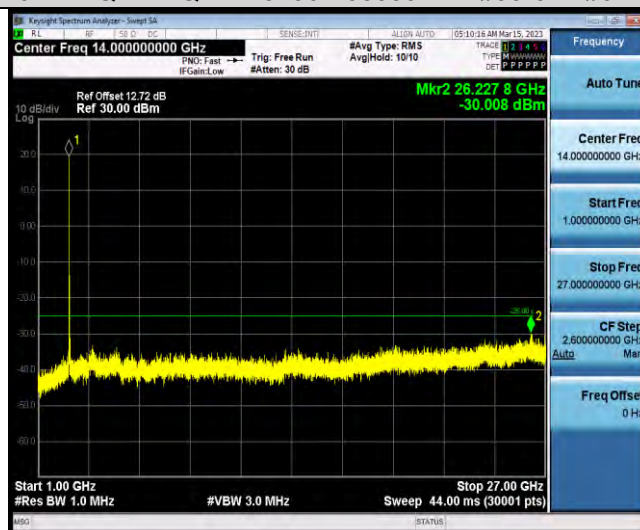


BUREAU
VERITAS

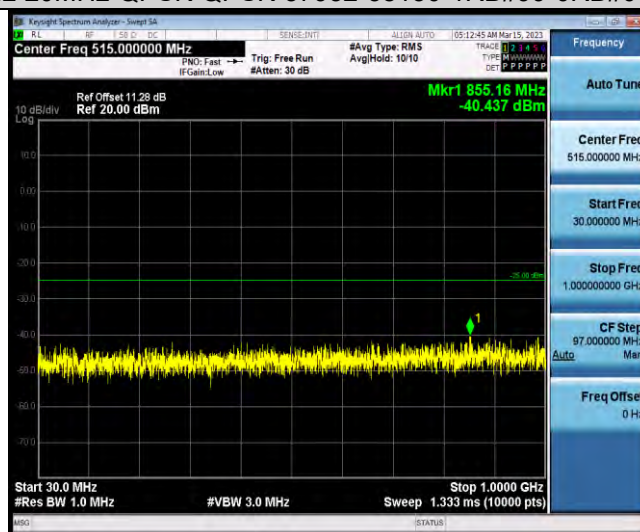
Test Report No.: W7L-P23030004RF07



38-38-20MHz-20MHz-QPSK-QPSK-37901-38099-1RB#99-0RB#0-1000~27000MHz



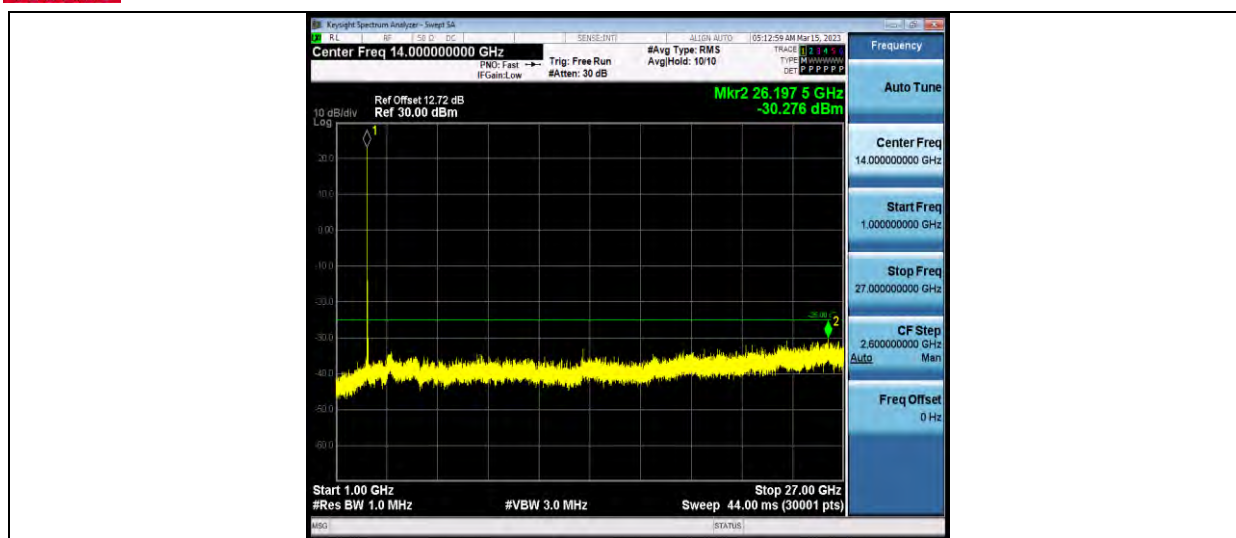
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#99-0RB#0-30~1000MHz



38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#99-0RB#0-1000~27000MHz



Test Report No.: W7L-P23030004RF07



---END---