

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Gain(dBi)	EIRP(dBm)	Limit(dBm)	Verdict
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	1RB#0-0RB#0	23.16	2.4	25.56	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	1RB#0-1RB#74	15.6	2.4	18	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	1RB#74-0RB#0	23.11	2.4	25.51	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37825-37975	75RB#0-75RB#0	21.99	2.4	24.39	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	1RB#0-0RB#0	23.33	2.4	25.73	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	1RB#0-1RB#74	15.67	2.4	18.07	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	1RB#74-0RB#0	23.13	2.4	25.53	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	22	2.4	24.4	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	38025-38175	1RB#0-0RB#0	23.2	2.4	25.6	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	38025-38175	1RB#0-1RB#74	15.58	2.4	17.98	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	38025-38175	1RB#74-0RB#0	23.07	2.4	25.47	33	PASS
38-38	15MHz-15MHz	QPSK-QPSK	38025-38175	75RB#0-75RB#0	21.96	2.4	24.36	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	1RB#0-0RB#0	21.29	2.4	23.69	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	1RB#0-1RB#74	15.47	2.4	17.87	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	1RB#74-0RB#0	20.82	2.4	23.22	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37825-37975	75RB#0-75RB#0	20.98	2.4	23.38	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	1RB#0-0RB#0	21.16	2.4	23.56	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	1RB#0-1RB#74	15.8	2.4	18.2	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	1RB#74-0RB#0	21.32	2.4	23.72	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	75RB#0-75RB#0	20.99	2.4	23.39	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	38025-38175	1RB#0-0RB#0	21.43	2.4	23.83	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	38025-38175	1RB#0-1RB#74	15.67	2.4	18.07	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	38025-38175	1RB#74-0RB#0	21.25	2.4	23.65	33	PASS
38-38	15MHz-15MHz	64QAM-64QAM	38025-38175	75RB#0-75RB#0	20.99	2.4	23.39	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37825-37975	1RB#0-0RB#0	15.65	2.4	18.05	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37825-37975	1RB#0-1RB#74	15.62	2.4	18.02	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37825-37975	1RB#74-0RB#0	16.09	2.4	18.49	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37825-37975	75RB#0-75RB#0	19.02	2.4	21.42	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37925-38075	1RB#0-0RB#0	15.66	2.4	18.06	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37925-38075	1RB#0-1RB#74	15.67	2.4	18.07	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37925-38075	1RB#74-0RB#0	16.18	2.4	18.58	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37925-38075	75RB#0-75RB#0	19.06	2.4	21.46	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	38025-38175	1RB#0-0RB#0	15.56	2.4	17.96	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	38025-38175	1RB#0-1RB#74	15.71	2.4	18.11	33	PASS
38-38	15MHz-15MHz	256QAM-256QAM	38025-38175	1RB#74-0RB#0	16.02	2.4	18.42	33	PASS

38-38	15MHz-15MHz	256QAM-256QAM	38025-38175	75RB#0-75RB#0	19.05	2.4	21.45	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	1RB#0-0RB#0	22.23	2.4	24.63	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	1RB#0-1RB#74	15.63	2.4	18.03	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	1RB#74-0RB#0	22.07	2.4	24.47	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37825-37975	75RB#0-75RB#0	21.02	2.4	23.42	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	1RB#0-0RB#0	22.34	2.4	24.74	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	1RB#0-1RB#74	15.57	2.4	17.97	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	1RB#74-0RB#0	22.19	2.4	24.59	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	21.02	2.4	23.42	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	38025-38175	1RB#0-0RB#0	22.29	2.4	24.69	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	38025-38175	1RB#0-1RB#74	15.68	2.4	18.08	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	38025-38175	1RB#74-0RB#0	22.04	2.4	24.44	33	PASS
38-38	15MHz-15MHz	16QAM-16QAM	38025-38175	75RB#0-75RB#0	20.99	2.4	23.39	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#0-0RB#0	23.18	2.4	25.58	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#0-1RB#99	15.58	2.4	17.98	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	1RB#99-0RB#0	23.14	2.4	25.54	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37850-38048	100RB#0-100RB#0	21.91	2.4	24.31	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#0-0RB#0	23.22	2.4	25.62	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#0-1RB#99	15.6	2.4	18	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	1RB#99-0RB#0	23.25	2.4	25.65	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	22.01	2.4	24.41	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#0-0RB#0	23.27	2.4	25.67	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#0-1RB#99	15.73	2.4	18.13	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	1RB#99-0RB#0	23.09	2.4	25.49	33	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37952-38150	100RB#0-100RB#0	21.99	2.4	24.39	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	1RB#0-0RB#0	21.14	2.4	23.54	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	1RB#0-1RB#99	15.56	2.4	17.96	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	1RB#99-0RB#0	21.21	2.4	23.61	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37850-38048	100RB#0-100RB#0	20.96	2.4	23.36	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	1RB#0-0RB#0	21.38	2.4	23.78	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	1RB#0-1RB#99	15.64	2.4	18.04	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	1RB#99-0RB#0	21.34	2.4	23.74	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	100RB#0-100RB#0	20.99	2.4	23.39	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	1RB#0-0RB#0	21.53	2.4	23.93	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	1RB#0-1RB#99	15.52	2.4	17.92	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	1RB#99-0RB#0	21.11	2.4	23.51	33	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37952-38150	100RB#0-100RB#0	21.03	2.4	23.43	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37850-38048	1RB#0-0RB#0	15.58	2.4	17.98	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37850-38048	1RB#0-1RB#99	15.4	2.4	17.8	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37850-38048	1RB#99-0RB#0	17.78	2.4	20.18	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37850-38048	100RB#0-100RB#0	18.98	2.4	21.38	33	PASS

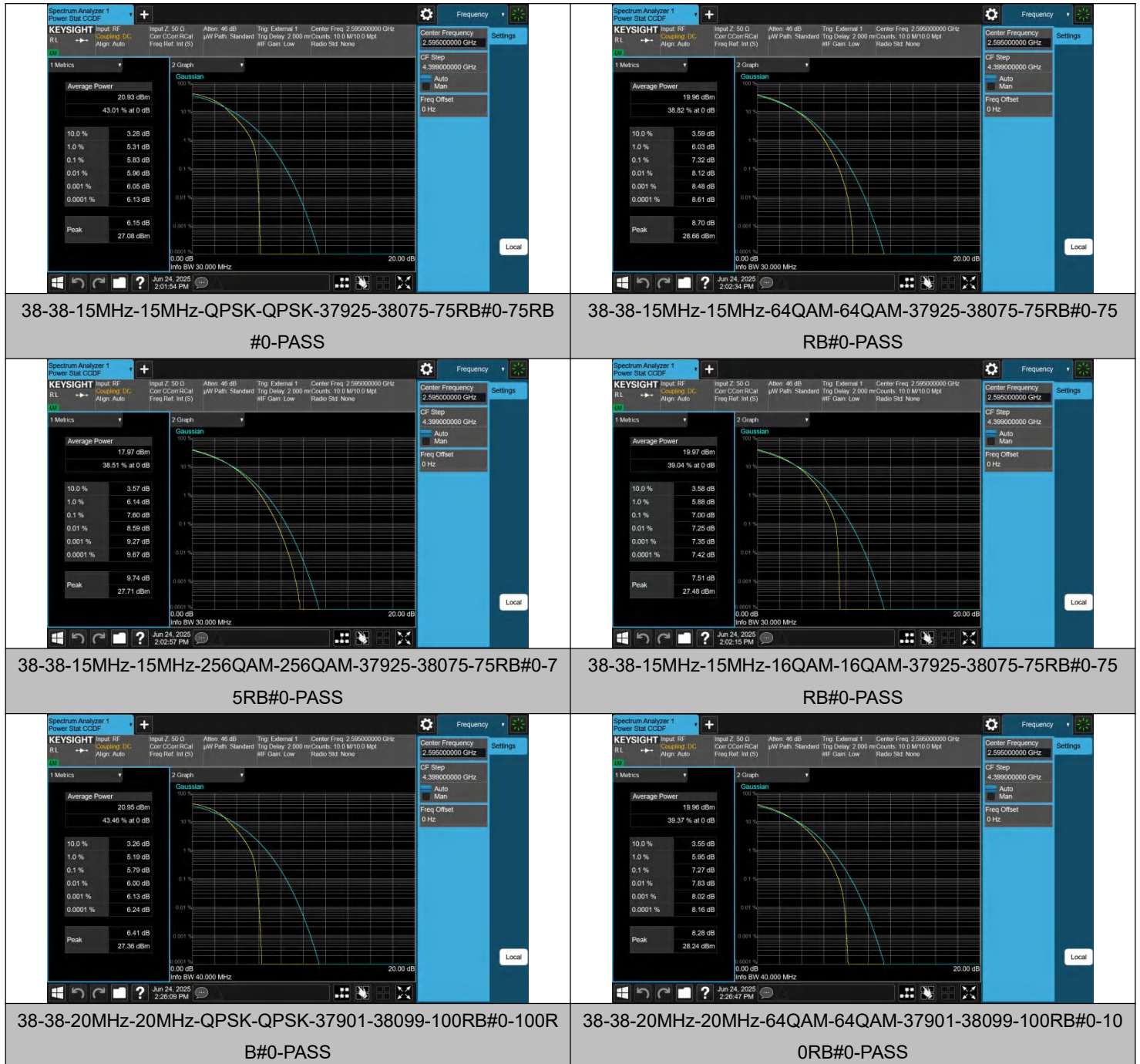
38-38	20MHz-20MHz	256QAM-256QAM	37901-38099	1RB#0-0RB#0	15.67	2.4	18.07	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37901-38099	1RB#0-1RB#99	15.54	2.4	17.94	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37901-38099	1RB#99-0RB#0	17.77	2.4	20.17	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37901-38099	100RB#0-100RB#0	19.03	2.4	21.43	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37952-38150	1RB#0-0RB#0	15.77	2.4	18.17	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37952-38150	1RB#0-1RB#99	15.56	2.4	17.96	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37952-38150	1RB#99-0RB#0	17.95	2.4	20.35	33	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37952-38150	100RB#0-100RB#0	19.06	2.4	21.46	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	1RB#0-0RB#0	22.44	2.4	24.84	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	1RB#0-1RB#99	15.54	2.4	17.94	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	1RB#99-0RB#0	22.26	2.4	24.66	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37850-38048	100RB#0-100RB#0	20.99	2.4	23.39	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	1RB#0-0RB#0	22.3	2.4	24.7	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	1RB#0-1RB#99	15.59	2.4	17.99	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	1RB#99-0RB#0	22.42	2.4	24.82	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	100RB#0-100RB#0	21.01	2.4	23.41	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	1RB#0-0RB#0	22.68	2.4	25.08	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	1RB#0-1RB#99	15.52	2.4	17.92	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	1RB#99-0RB#0	22.23	2.4	24.63	33	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37952-38150	100RB#0-100RB#0	21.03	2.4	23.43	33	PASS

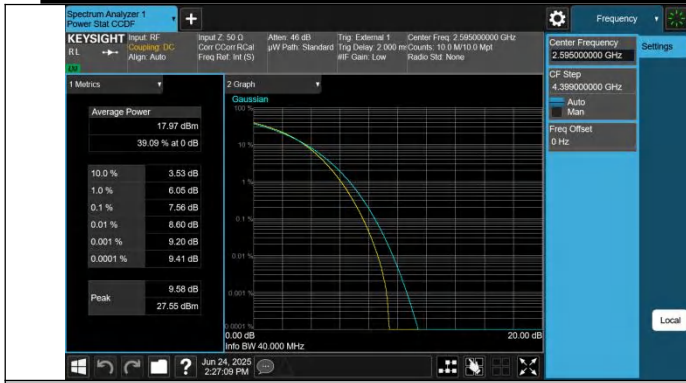
Peak-to-Average Ratio(CCDF)

Test Result

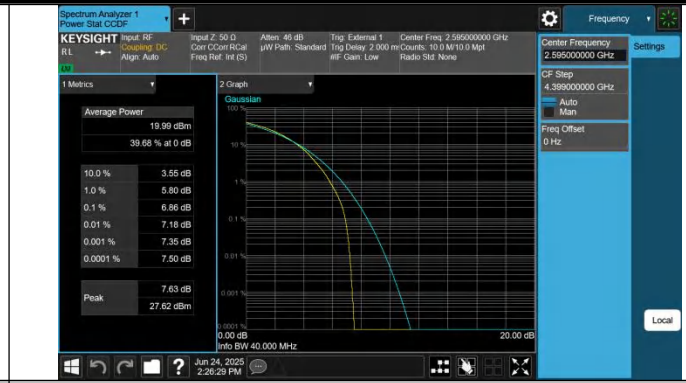
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	5.83	13	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	75RB#0-75RB#0	7.32	13	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37925-38075	75RB#0-75RB#0	7.60	13	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	7.00	13	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	5.79	13	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	100RB#0-100RB#0	7.27	13	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37901-38099	100RB#0-100RB#0	7.56	13	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	100RB#0-100RB#0	6.86	13	PASS

Test Graphs





38-38-20MHz-20MHz-256QAM-256QAM-37901-38099-100RB#0-1
00RB#0-PASS



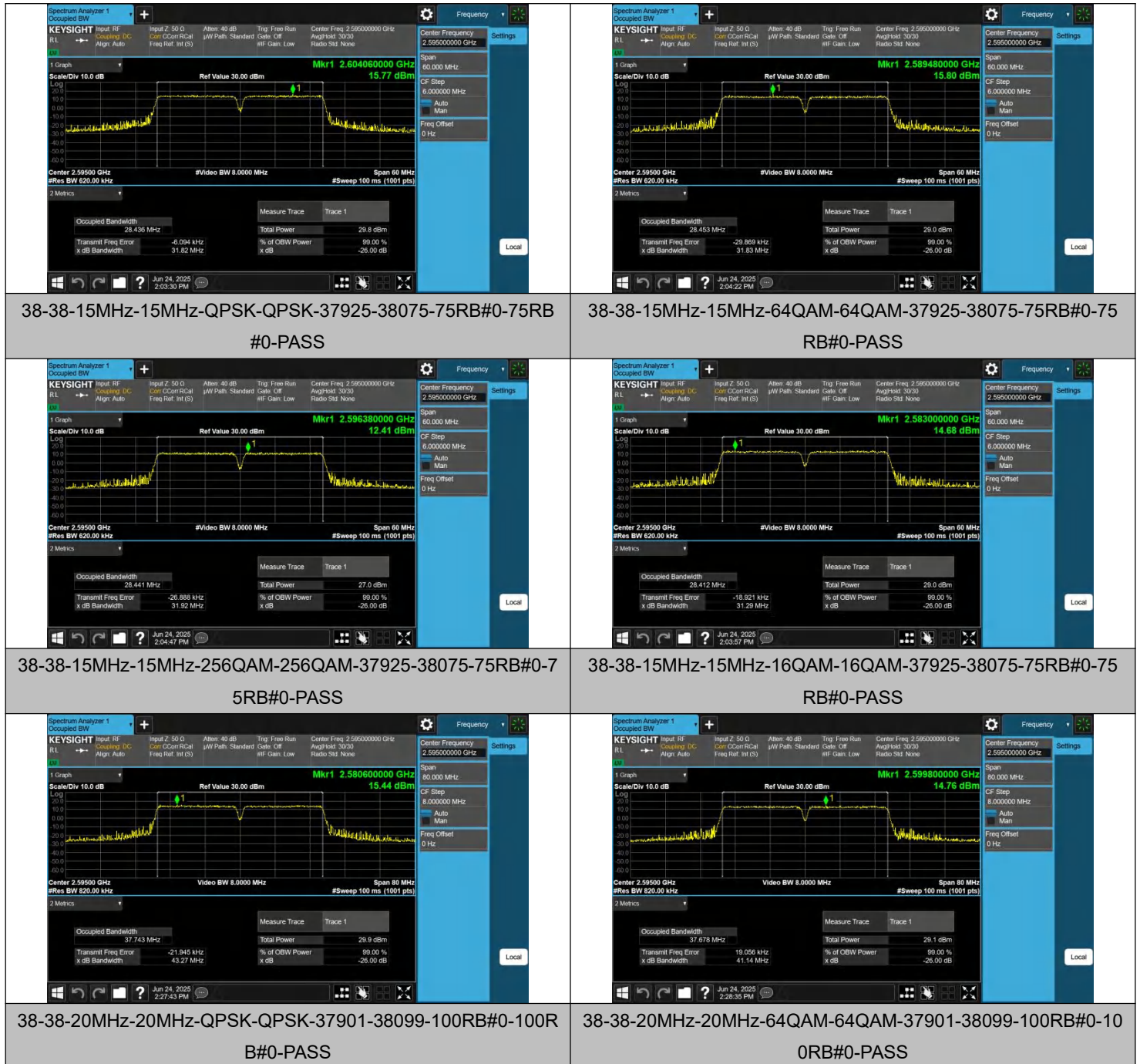
38-38-20MHz-20MHz-16QAM-16QAM-37901-38099-100RB#0-1
00RB#0-PASS

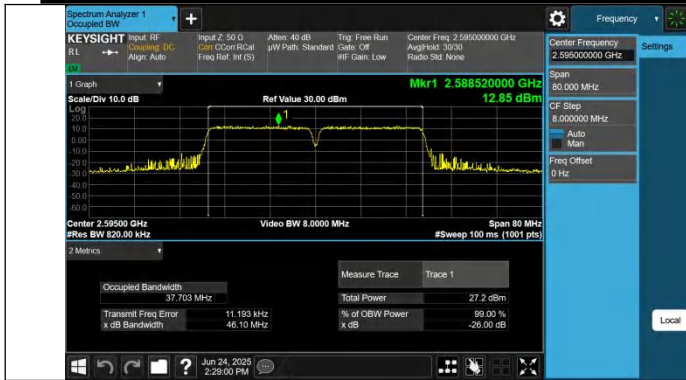
26dB Bandwidth and Occupied Bandwidth

Test Result

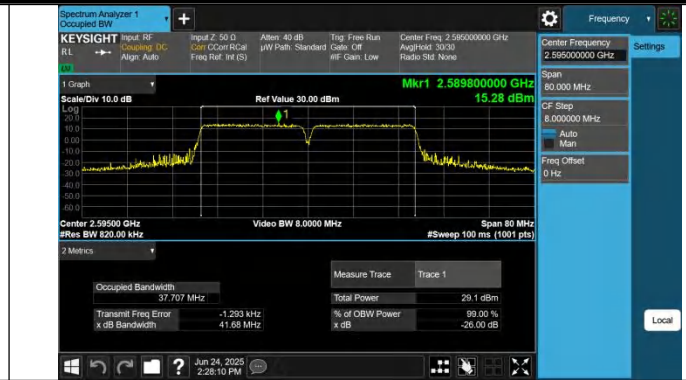
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
38-38	15MHz-15MHz	QPSK-QPSK	37925-38075	75RB#0-75RB#0	28.436	31.82	PASS
38-38	15MHz-15MHz	64QAM-64QAM	37925-38075	75RB#0-75RB#0	28.453	31.83	PASS
38-38	15MHz-15MHz	256QAM-256QAM	37925-38075	75RB#0-75RB#0	28.441	31.92	PASS
38-38	15MHz-15MHz	16QAM-16QAM	37925-38075	75RB#0-75RB#0	28.412	31.29	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	37.743	43.27	PASS
38-38	20MHz-20MHz	64QAM-64QAM	37901-38099	100RB#0-100RB#0	37.678	41.14	PASS
38-38	20MHz-20MHz	256QAM-256QAM	37901-38099	100RB#0-100RB#0	37.703	46.10	PASS
38-38	20MHz-20MHz	16QAM-16QAM	37901-38099	100RB#0-100RB#0	37.707	41.68	PASS

Test Graphs





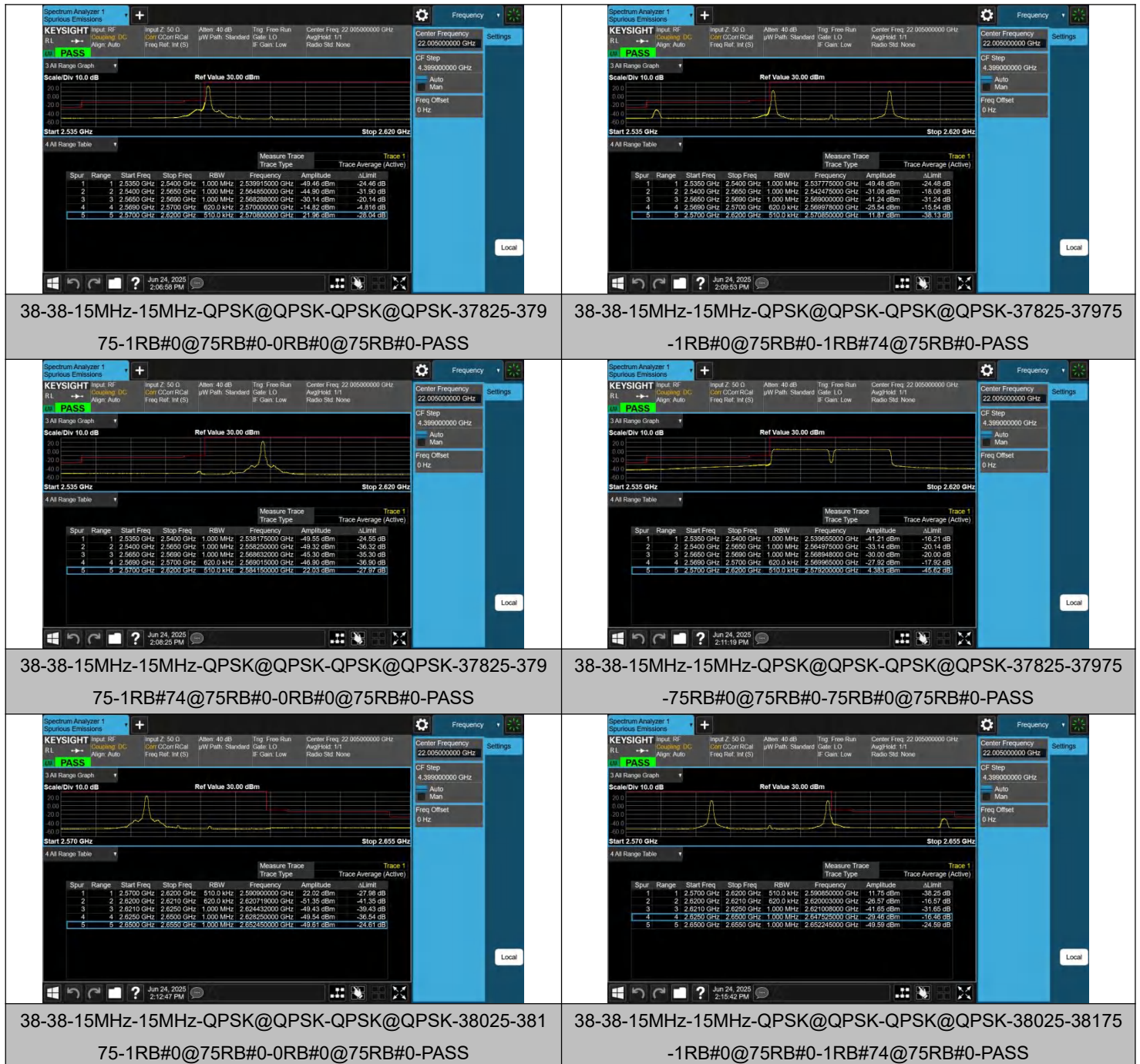
38-38-20MHz-20MHz-256QAM-256QAM-37901-38099-100RB#0-1
00RB#0-PASS



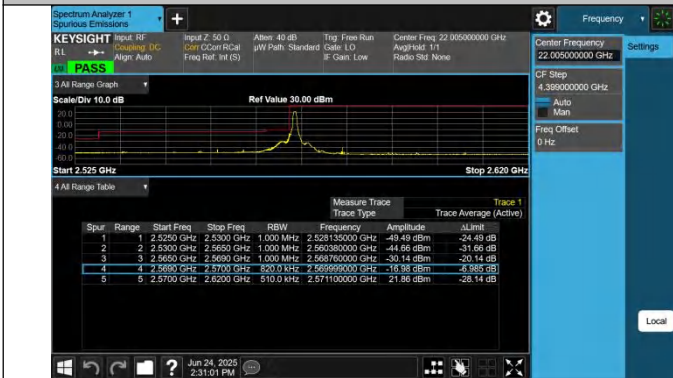
38-38-20MHz-20MHz-16QAM-16QAM-37901-38099-100RB#0-1
00RB#0-PASS

Band Edge

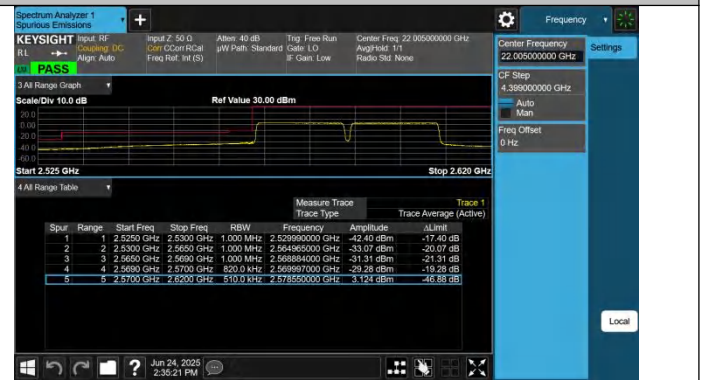
Test Graphs




38-38-15MHz-15MHz-QPSK@QPSK-QPSK@QPSK-38025-381
75-1RB#74@75RB#0-0RB#0@75RB#0-PASS

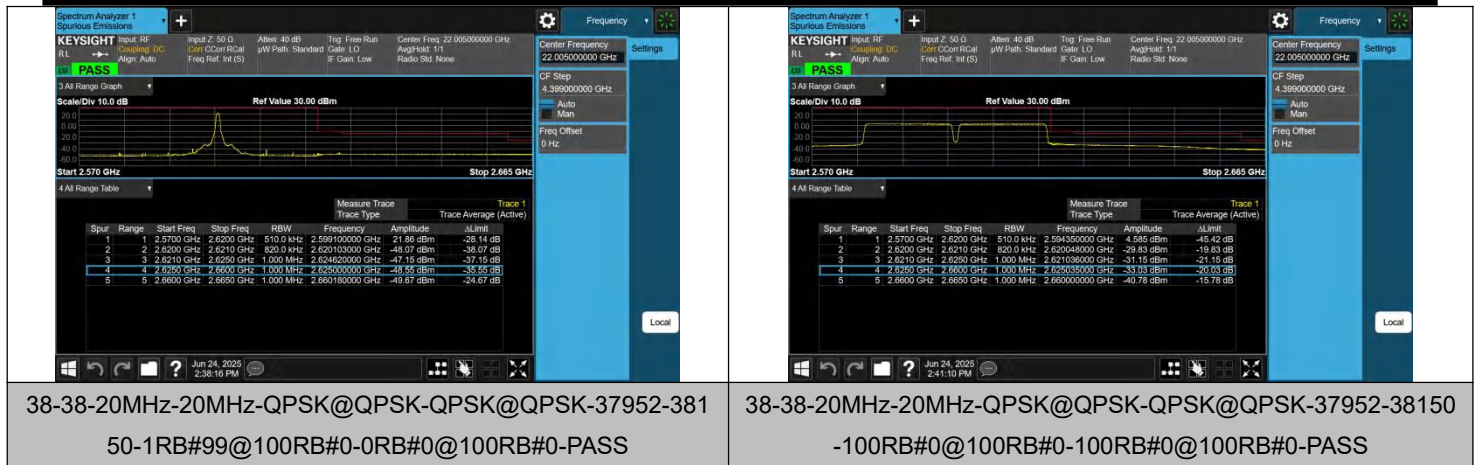
38-38-15MHz-15MHz-QPSK@QPSK-QPSK@QPSK-38025-38175
-75RB#0@75RB#0-75RB#0@75RB#0-PASS

38-38-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-37850-380
48-1RB#0@100RB#0-0RB#0@100RB#0-PASS

38-38-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-37850-38048
-1RB#0@100RB#0-1RB#99@100RB#0-PASS

38-38-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-37850-380
48-1RB#99@100RB#0-0RB#0@100RB#0-PASS

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

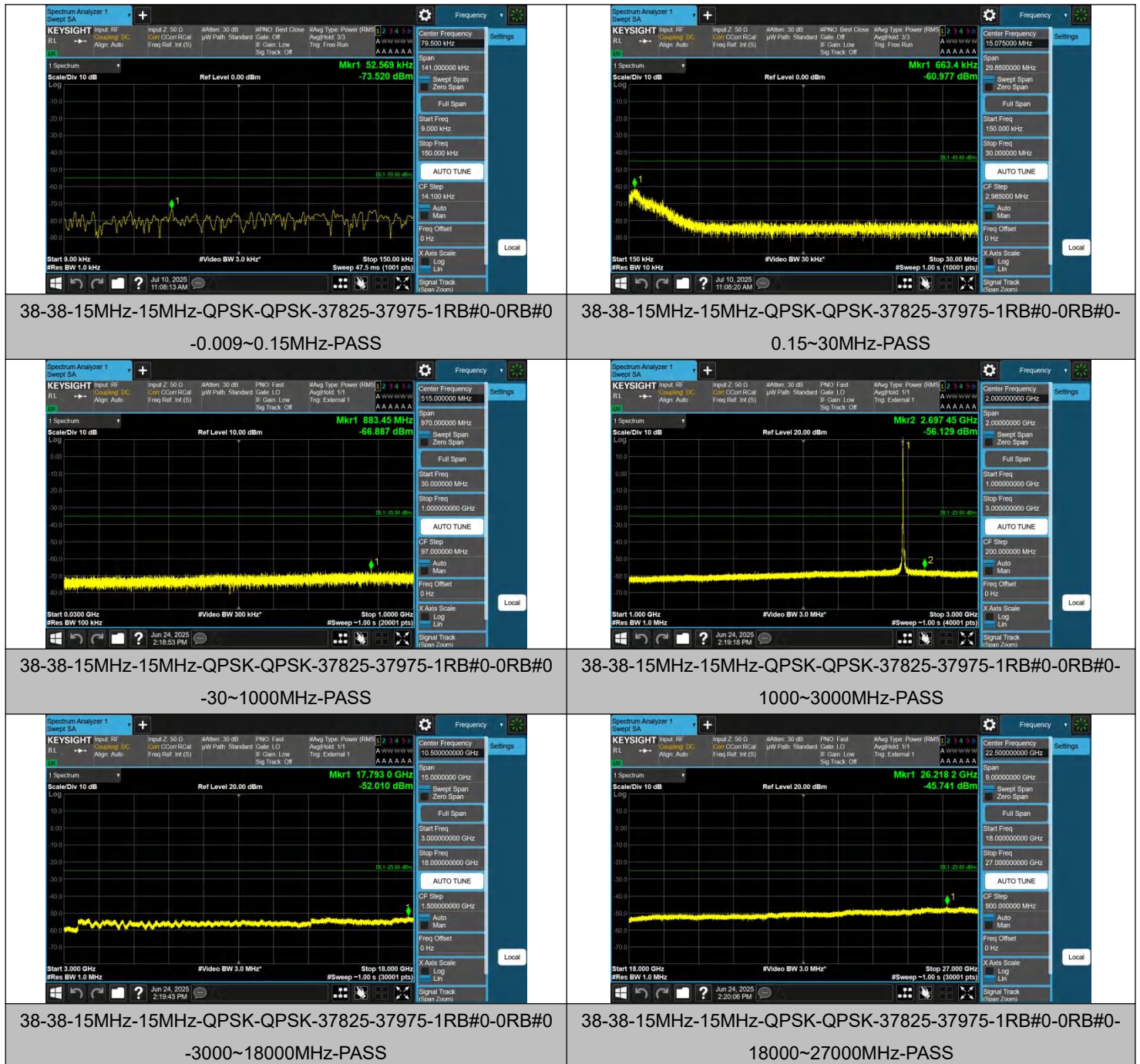
38-38-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-37952-381
50-1RB#0@100RB#0-0RB#0@100RB#0-PASS

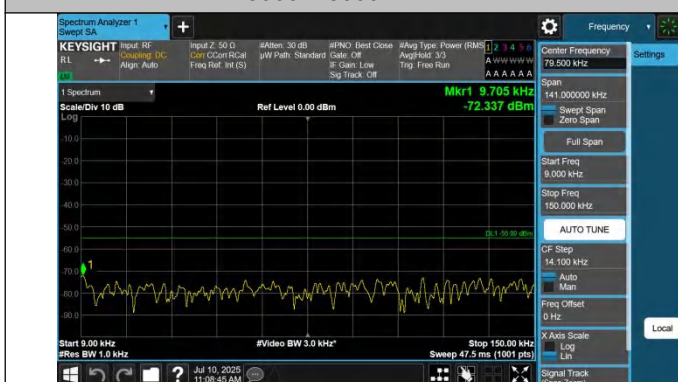
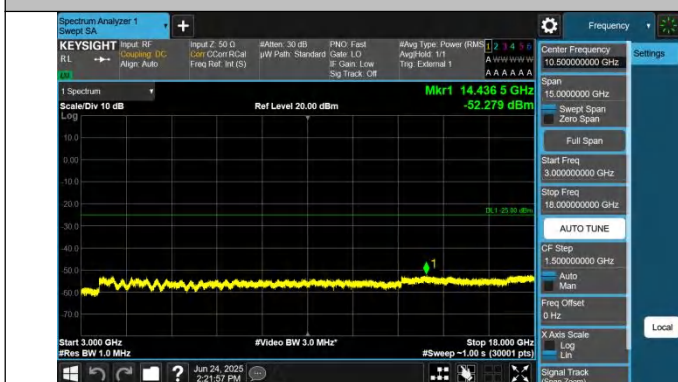
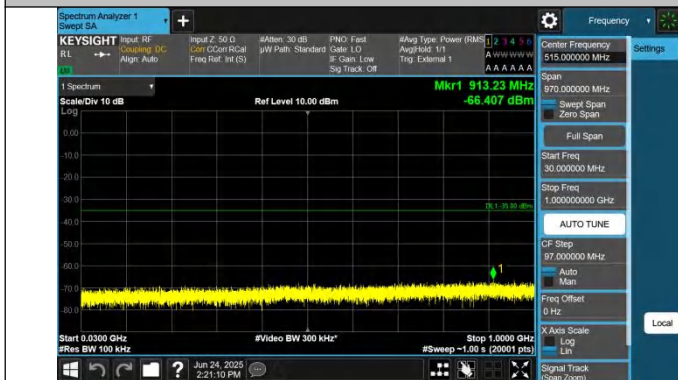
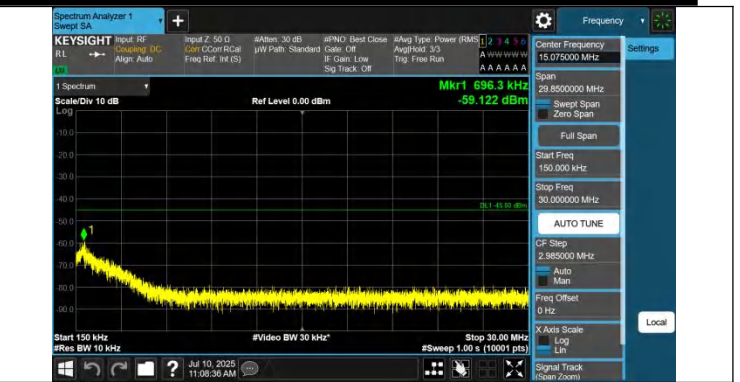
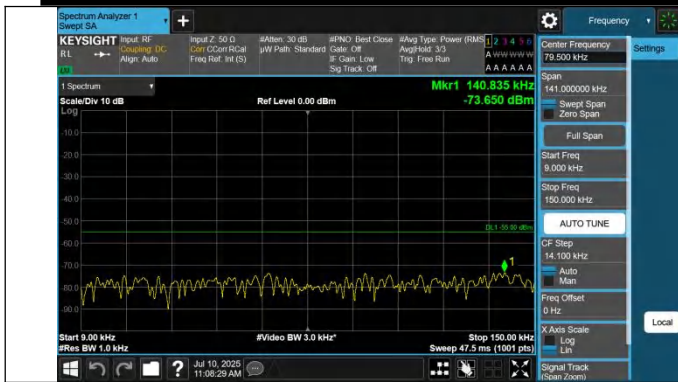
38-38-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-37952-38150
-1RB#0@100RB#0-1RB#99@100RB#0-PASS

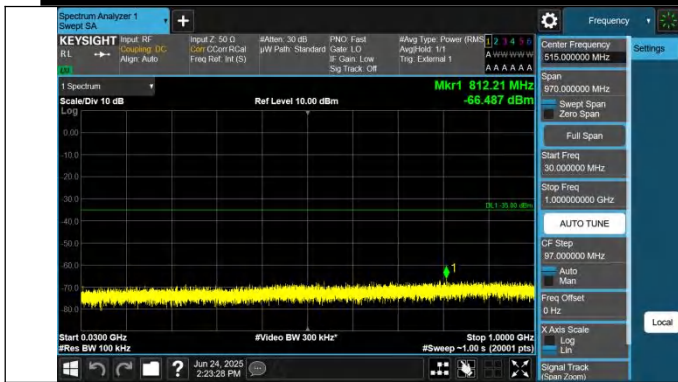
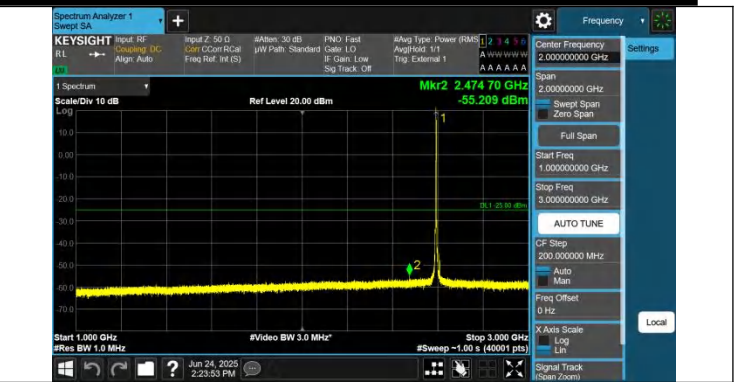


Conducted Spurious Emission

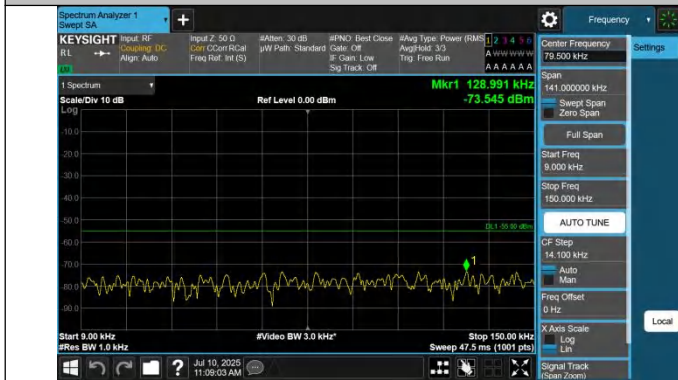
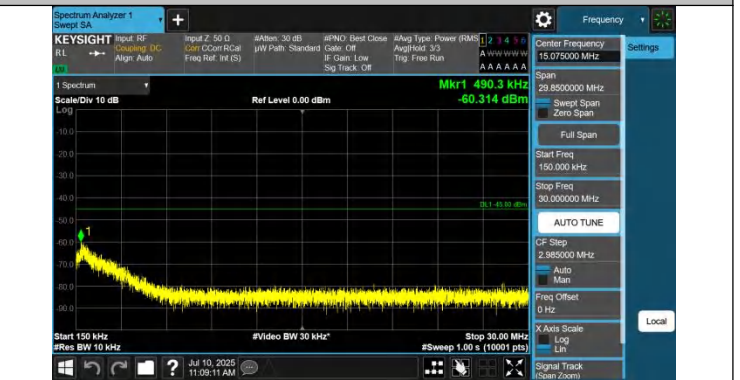
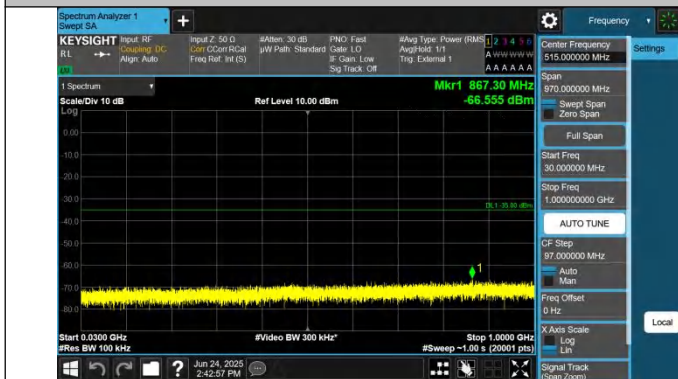
Test Graphs



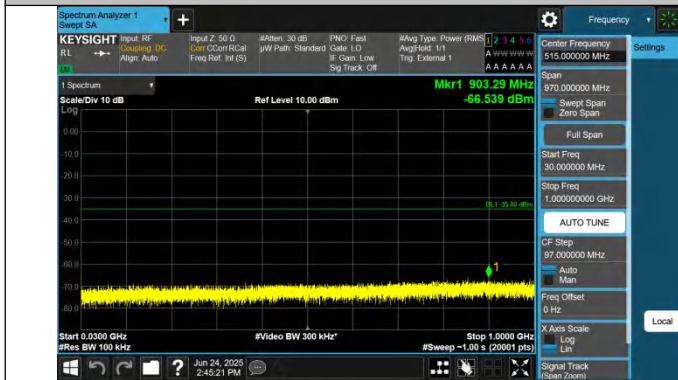
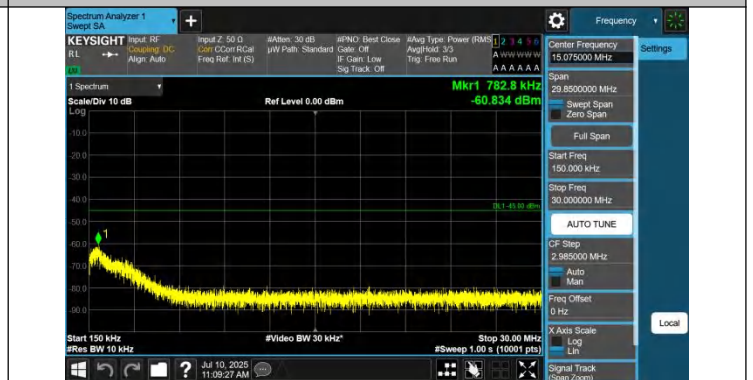
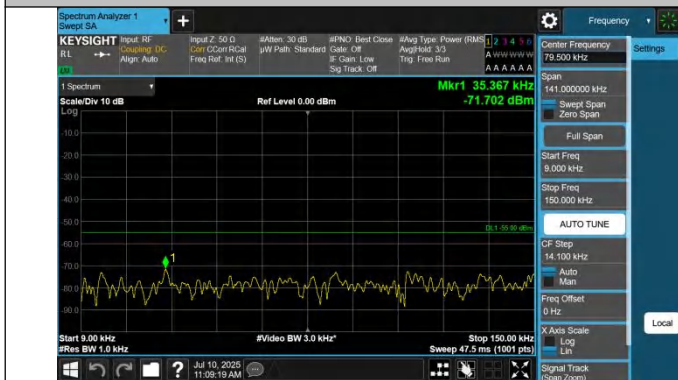
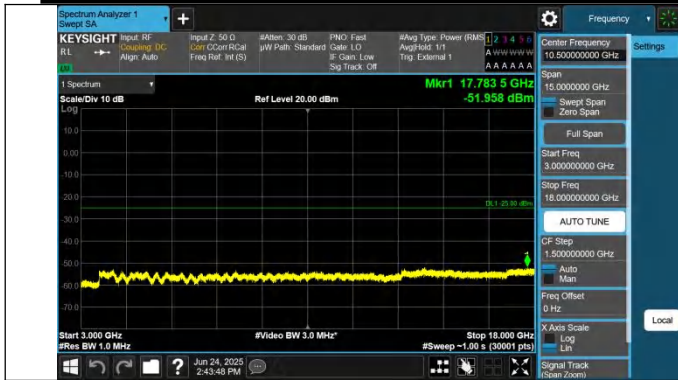


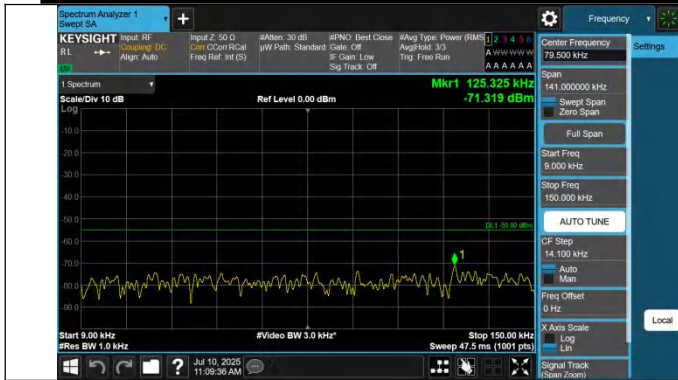

38-38-15MHz-15MHz-QPSK-QPSK-38025-38175-1RB#0-0RB#0
-30~1000MHz-PASS

38-38-15MHz-15MHz-QPSK-QPSK-38025-38175-1RB#0-0RB#0-
1000~3000MHz-PASS

38-38-15MHz-15MHz-QPSK-QPSK-38025-38175-1RB#0-0RB#0
-3000~18000MHz-PASS

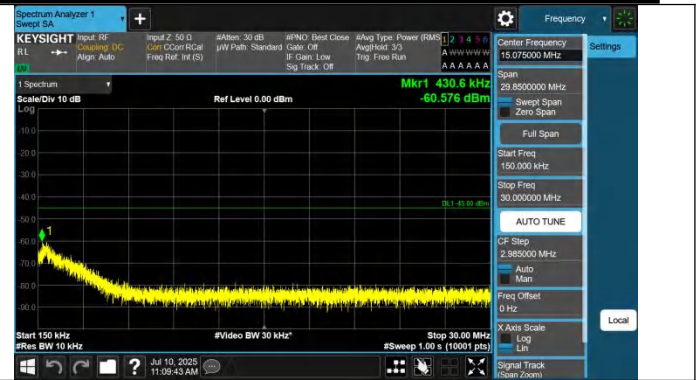
38-38-15MHz-15MHz-QPSK-QPSK-38025-38175-1RB#0-0RB#0-
18000~27000MHz-PASS

38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0
-0.009~0.15MHz-PASS

38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-
0.15~30MHz-PASS

38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0
-30~1000MHz-PASS

38-38-20MHz-20MHz-QPSK-QPSK-37850-38048-1RB#0-0RB#0-
1000~3000MHz-PASS

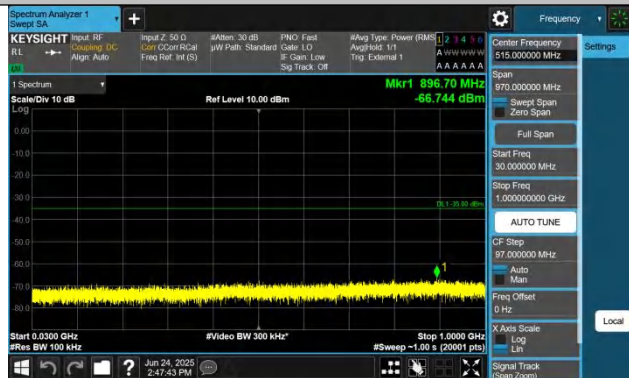




38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-0RB#0
-0.009~0.15MHz-PASS



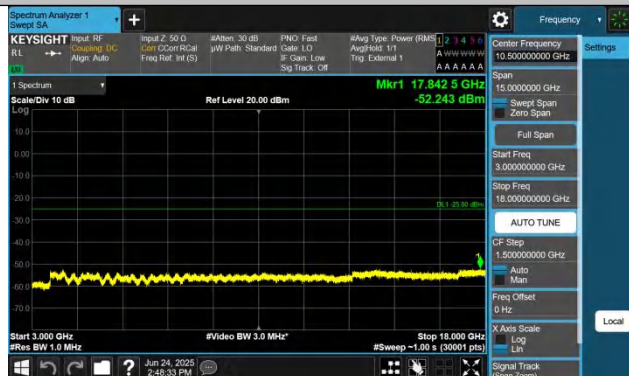
38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-0RB#0-
0.15~30MHz-PASS



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



38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-0RB#0-
1000~3000MHz-PASS



38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-0RB#0
-3000~18000MHz-PASS



38-38-20MHz-20MHz-QPSK-QPSK-37952-38150-1RB#0-0RB#0-
18000~27000MHz-PASS

Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	VN	NT	2586.09597	2603.91597	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	VL	NT	2586.08554	2603.91554	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	VH	NT	2586.09087	2603.91787	2570-2620	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	-30	2586.09407	2603.92007	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	-20	2586.09369	2603.91569	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	-10	2586.09592	2603.91192	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	0	2586.09007	2603.92207	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	10	2586.08852	2603.90652	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	20	2586.09681	2603.92581	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	30	2586.10042	2603.90442	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	40	2586.09707	2603.90307	2570-2620	PASS
38-38	20MHz-20MHz	QPSK-QPSK	37901-38099	100RB#0-100RB#0	NV	50	2586.09568	2603.91068	2570-2620	PASS

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