

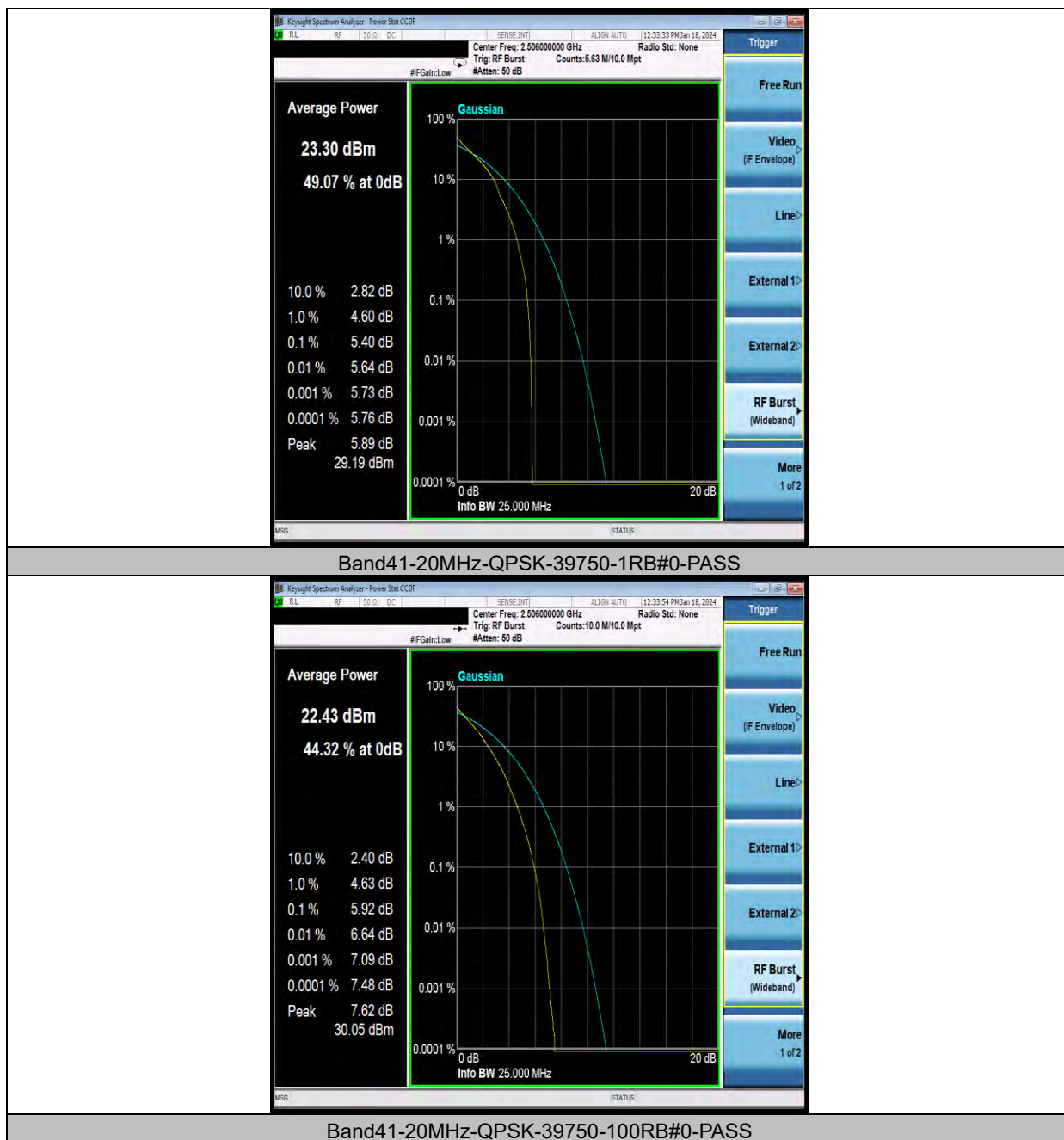
LTE BAND41

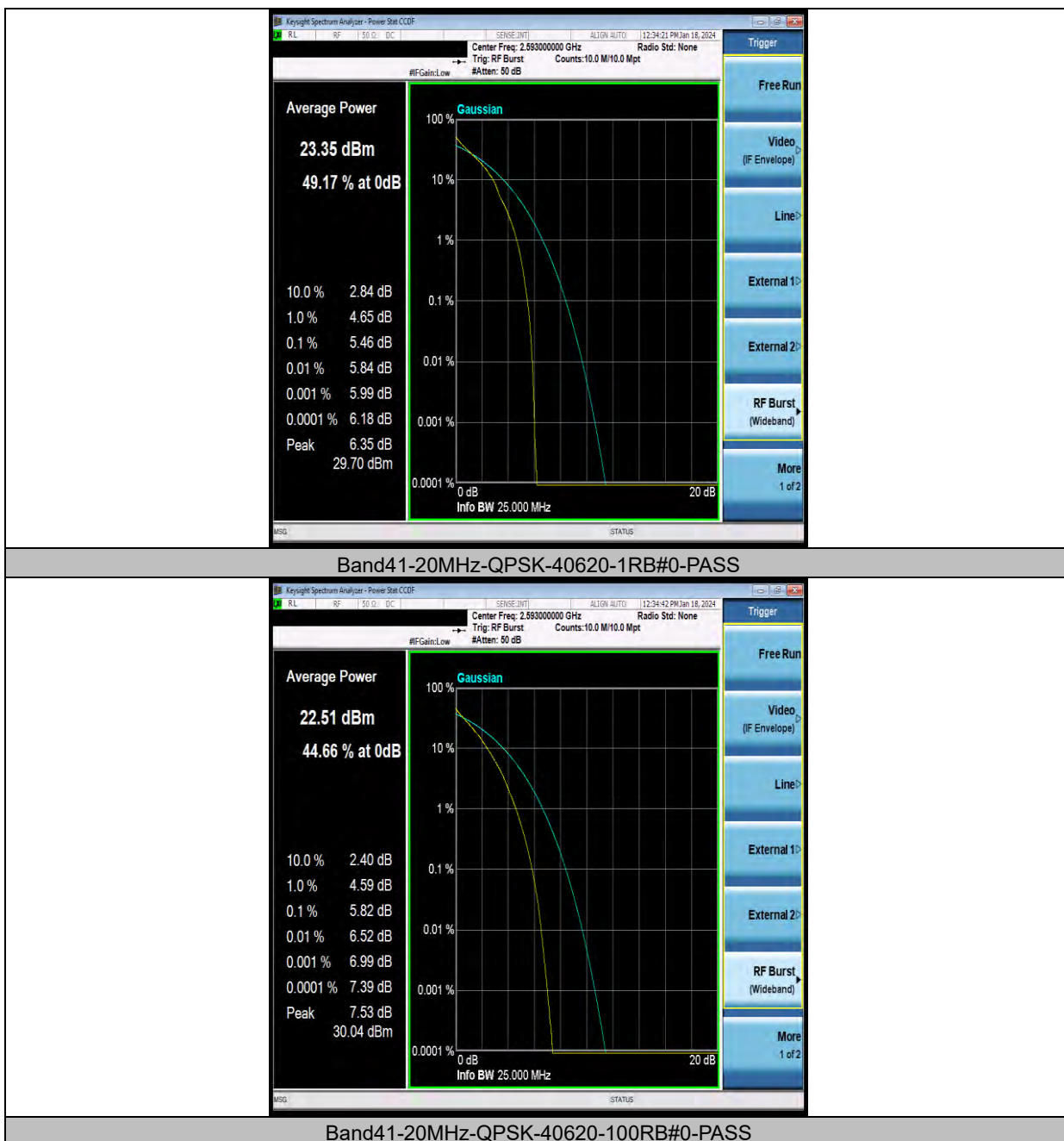
PEAK-TO-AVERAGE RATIO(CCDF)

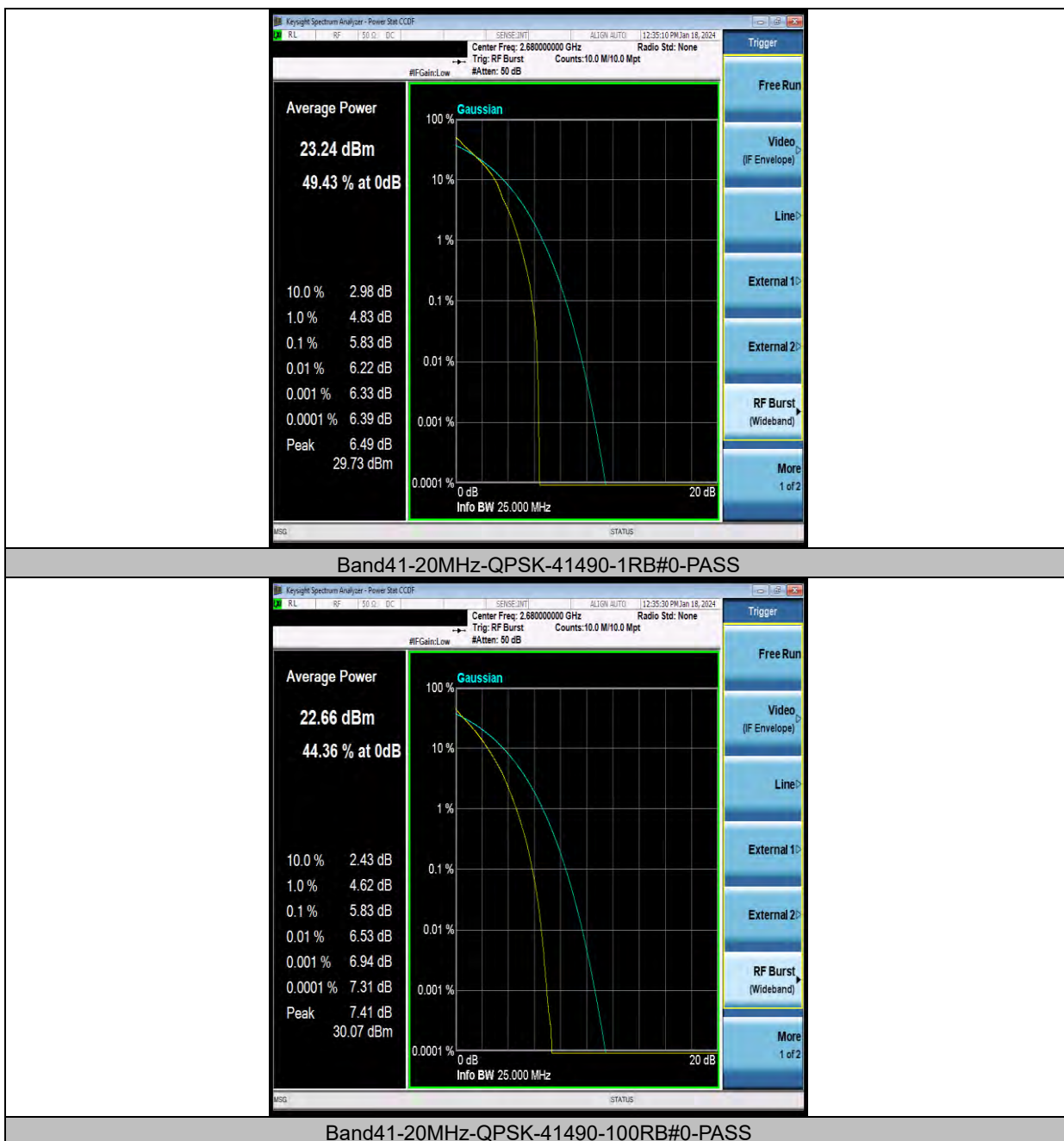
Test Result

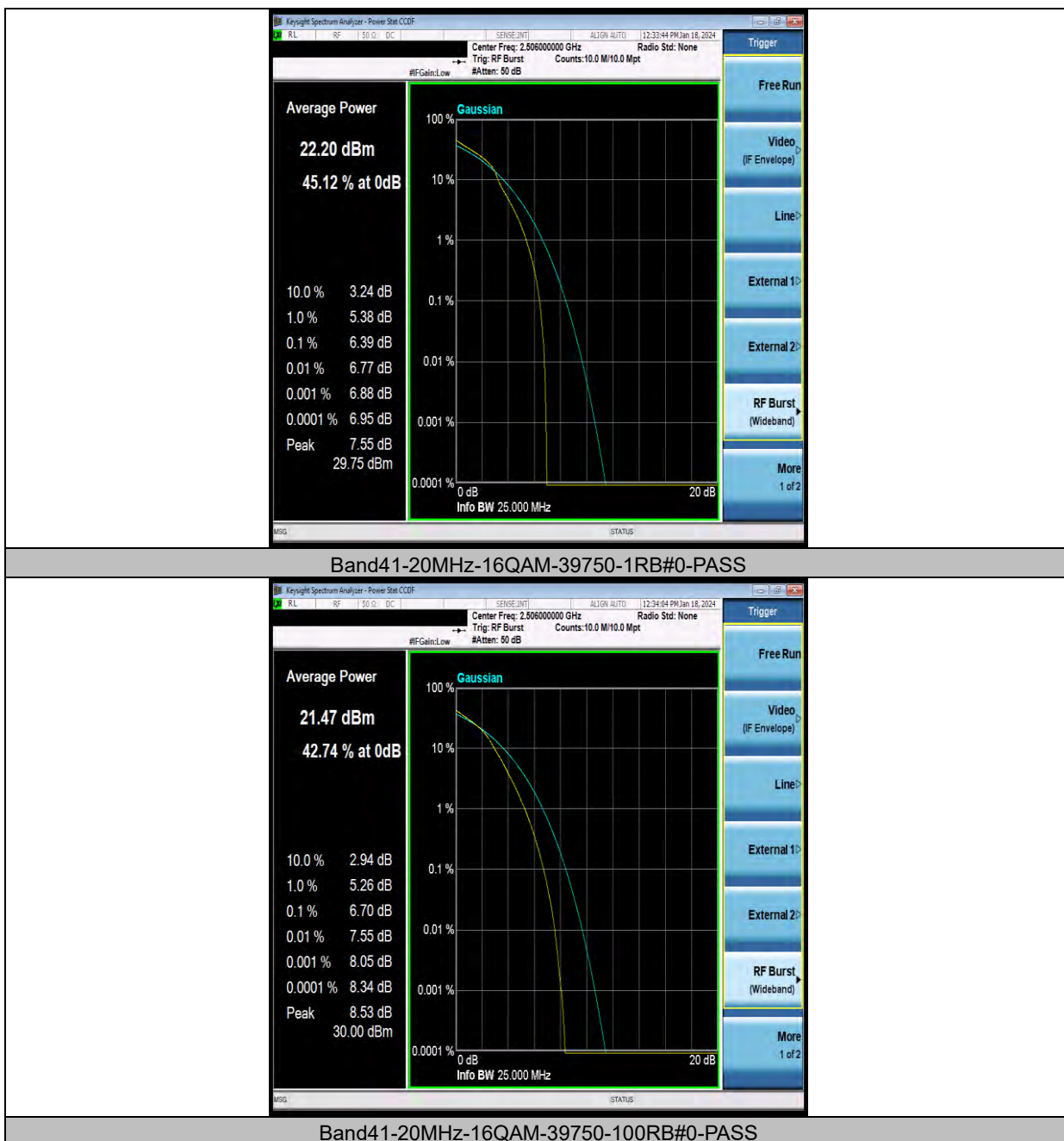
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	20MHz	QPSK	39750	1RB#0	5.66	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.92	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	5.46	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.82	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	5.83	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.83	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	6.39	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	6.70	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	6.57	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.58	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	6.60	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.61	13	PASS

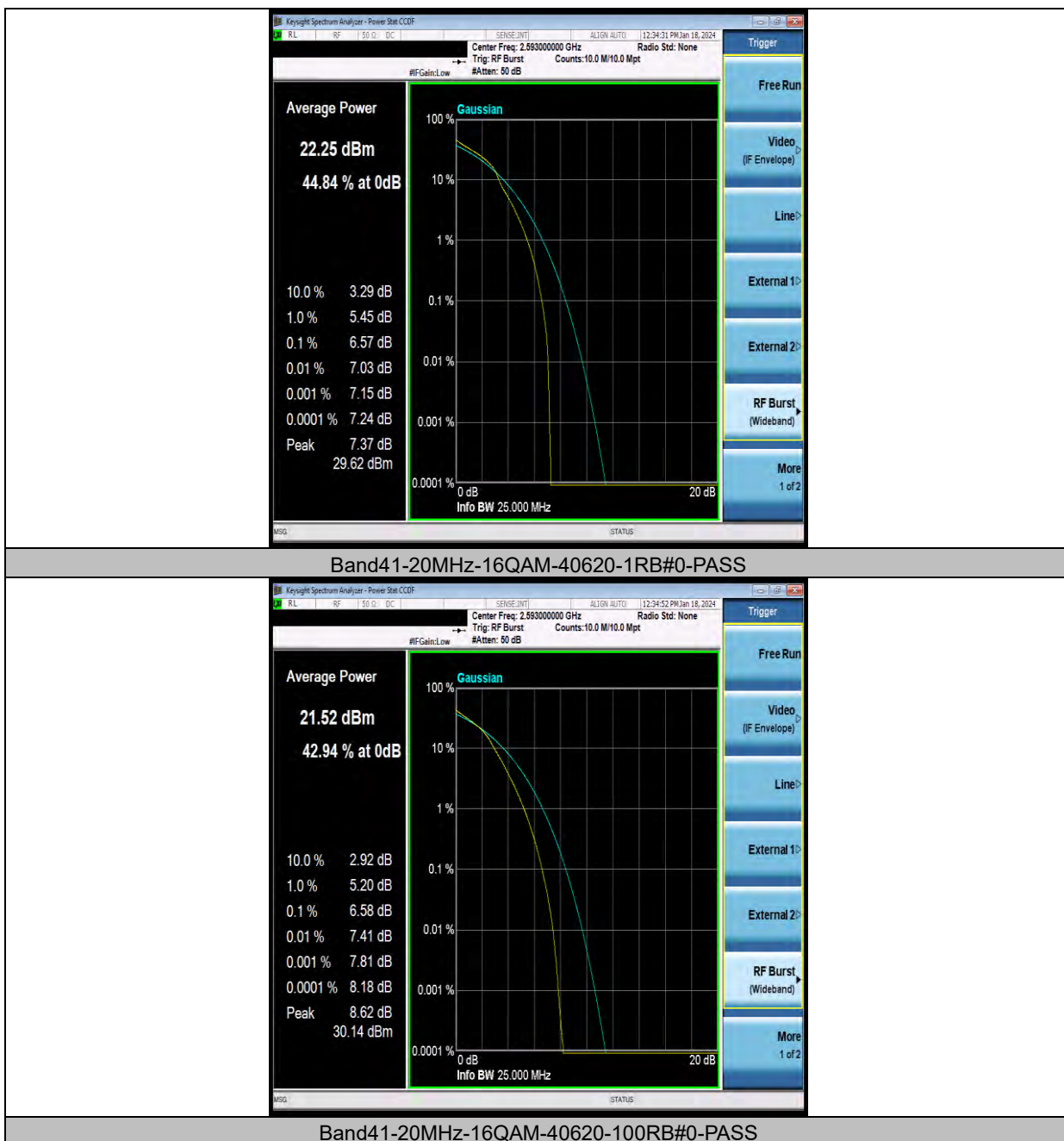
Test Graphs

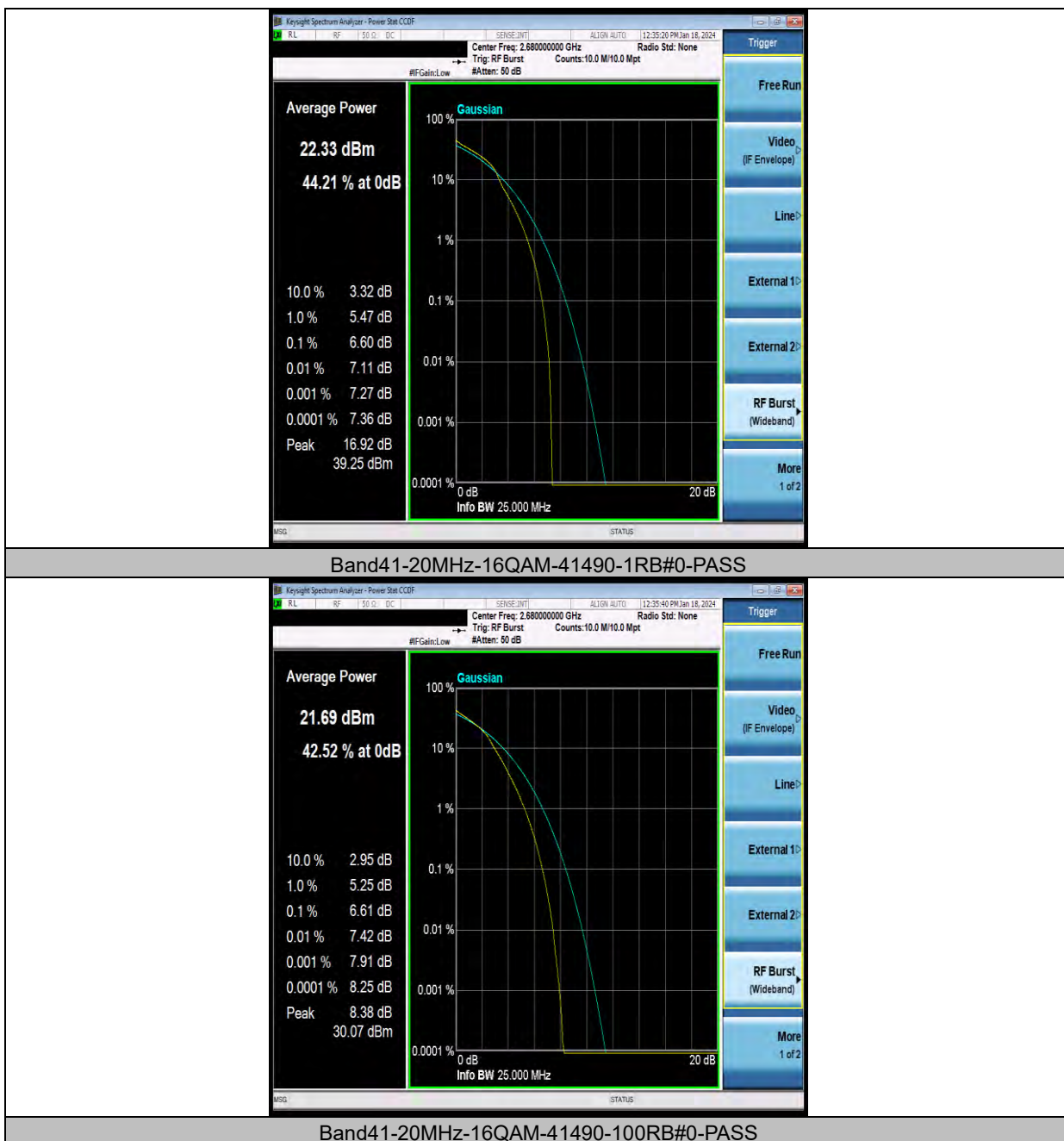










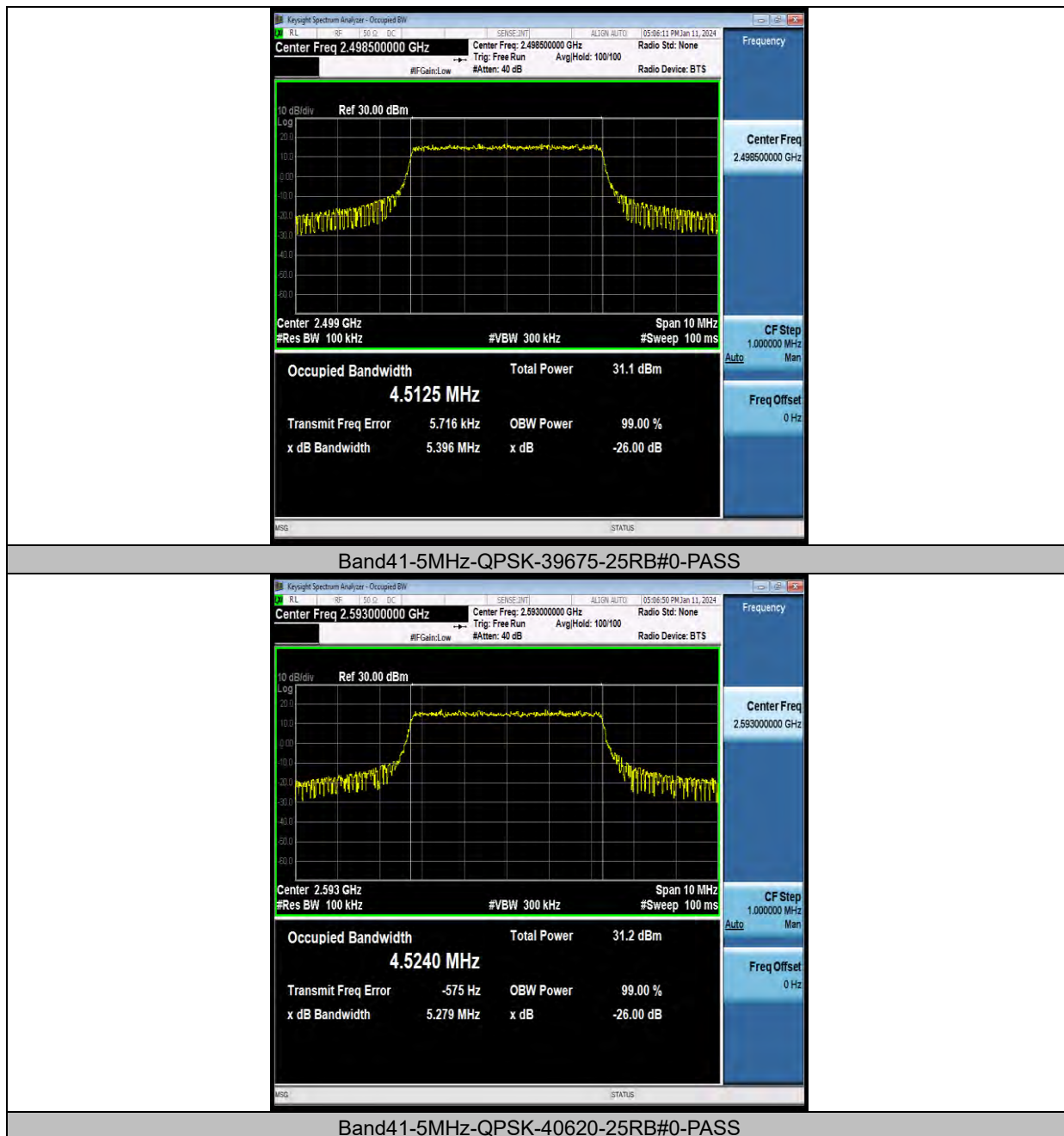


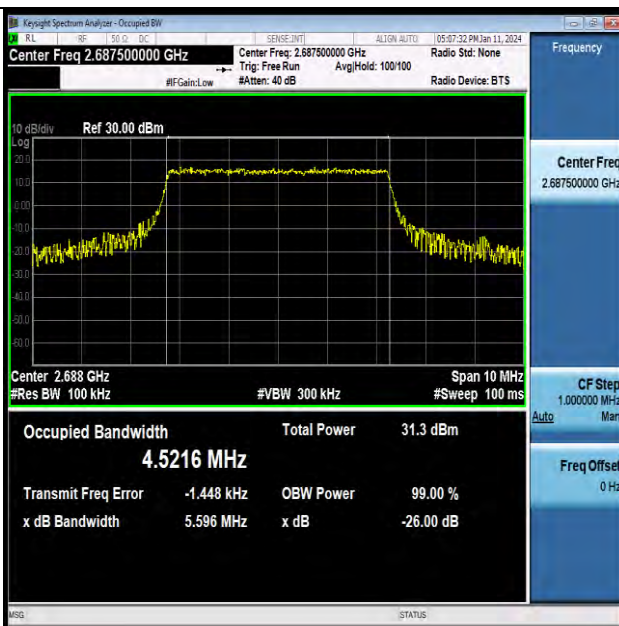
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

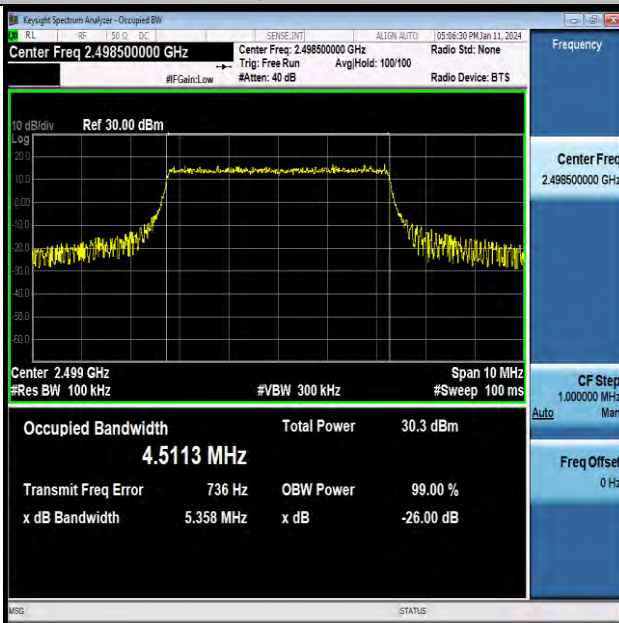
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5125	5.396	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.5240	5.279	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5216	5.596	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5113	5.358	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.5101	5.241	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5267	5.166	PASS
Band41	10MHz	QPSK	39700	50RB#0	9.0201	10.32	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9930	10.43	PASS
Band41	10MHz	QPSK	41540	50RB#0	9.0251	10.23	PASS
Band41	10MHz	16QAM	39700	50RB#0	9.0147	10.20	PASS
Band41	10MHz	16QAM	40620	50RB#0	9.0105	10.78	PASS
Band41	10MHz	16QAM	41540	50RB#0	9.0103	11.59	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.483	15.67	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.529	15.91	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.507	15.36	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.495	15.63	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.510	15.98	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.517	16.24	PASS
Band41	20MHz	QPSK	39750	100RB#0	18.001	20.57	PASS
Band41	20MHz	QPSK	40620	100RB#0	18.005	20.17	PASS
Band41	20MHz	QPSK	41490	100RB#0	18.042	23.36	PASS
Band41	20MHz	16QAM	39750	100RB#0	18.004	21.23	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.980	21.23	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.963	20.87	PASS

Test Graphs

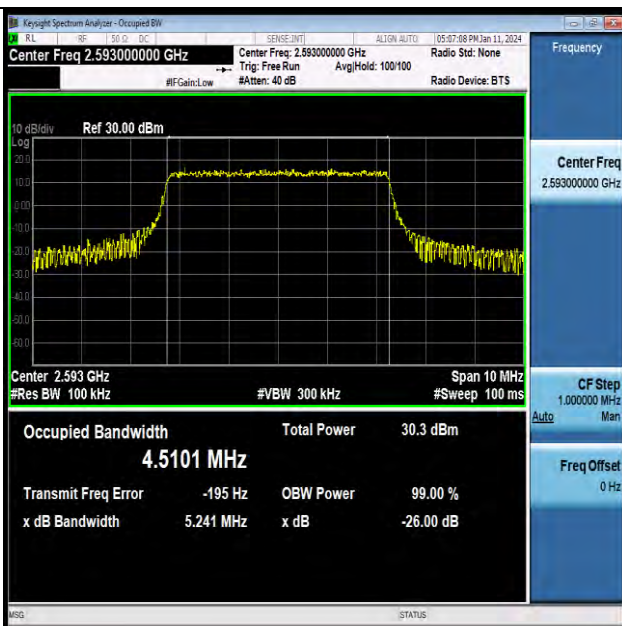




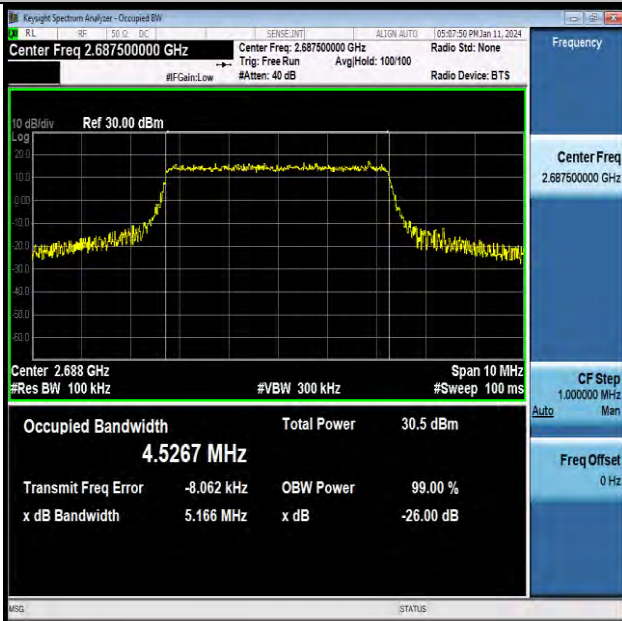
Band41-5MHz-QPSK-41565-25RB#0-PASS



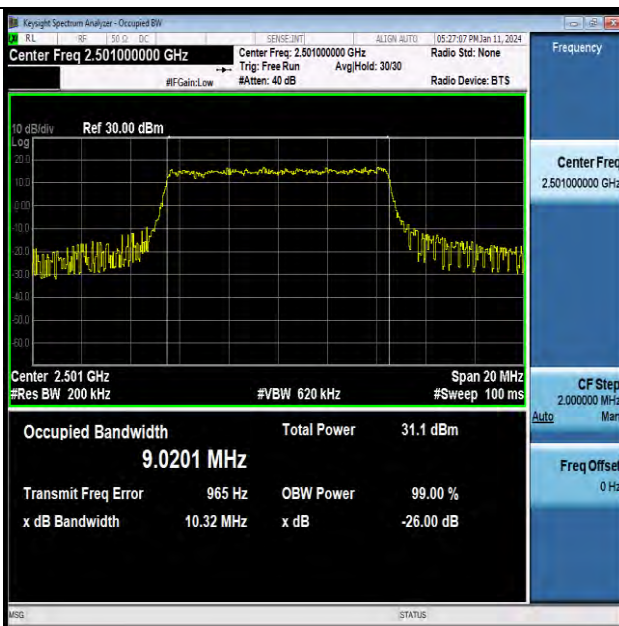
Band41-5MHz-16QAM-39675-25RB#0-PASS



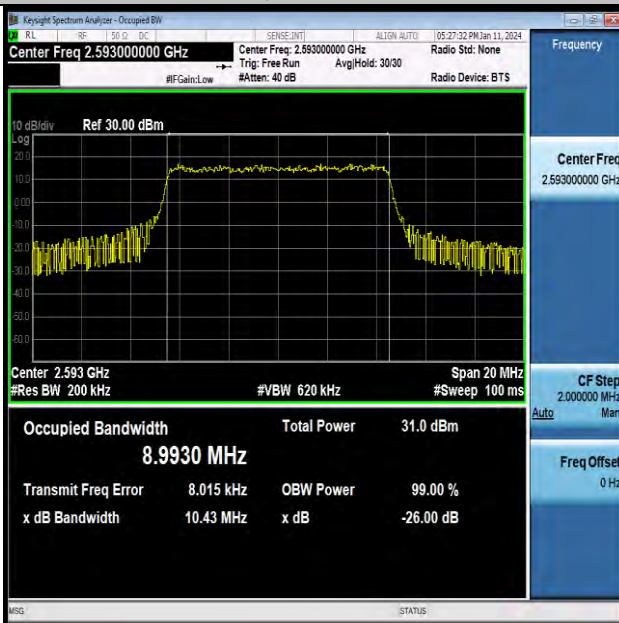
Band41-5MHz-16QAM-40620-25RB#0-PASS



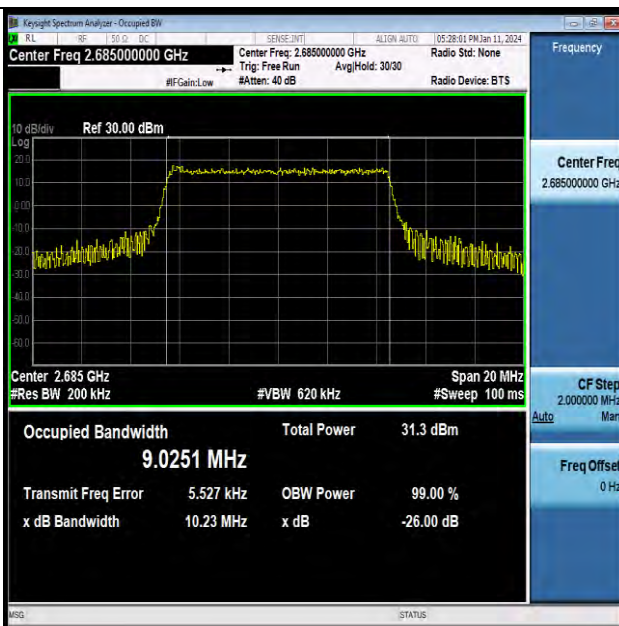
Band41-5MHz-16QAM-41565-25RB#0-PASS



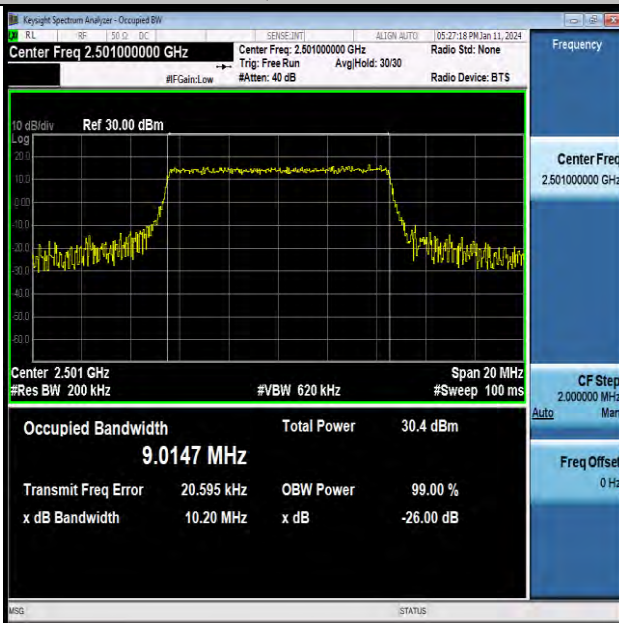
Band41-10MHz-QPSK-39700-50RB#0-PASS



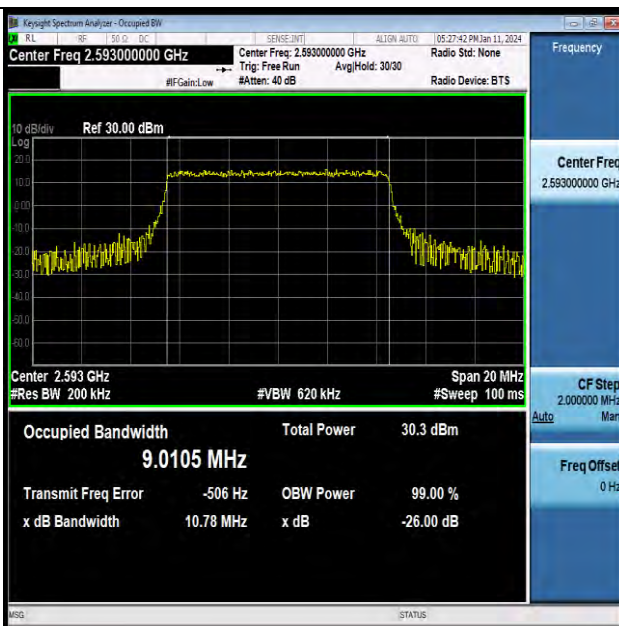
Band41-10MHz-QPSK-40620-50RB#0-PASS



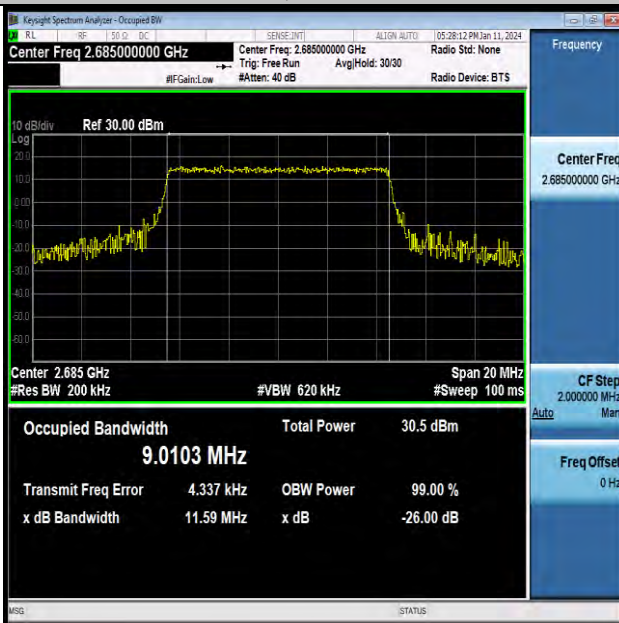
Band41-10MHz-QPSK-41540-50RB#0-PASS



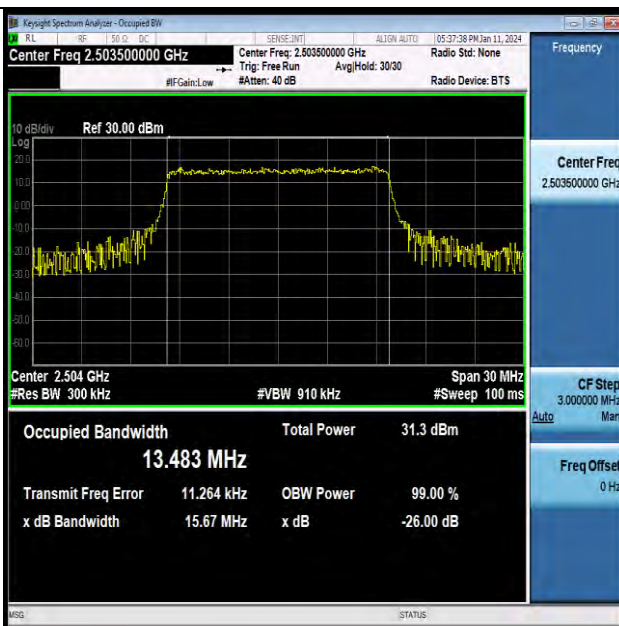
Band41-10MHz-16QAM-39700-50RB#0-PASS



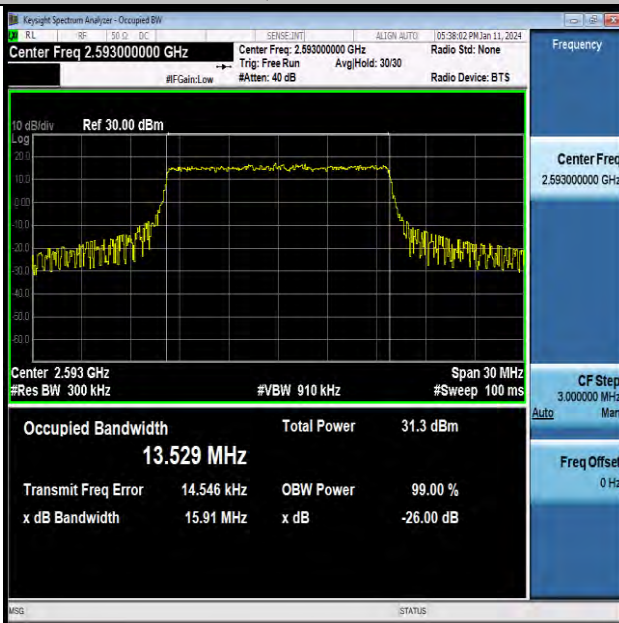
Band41-10MHz-16QAM-40620-50RB#0-PASS



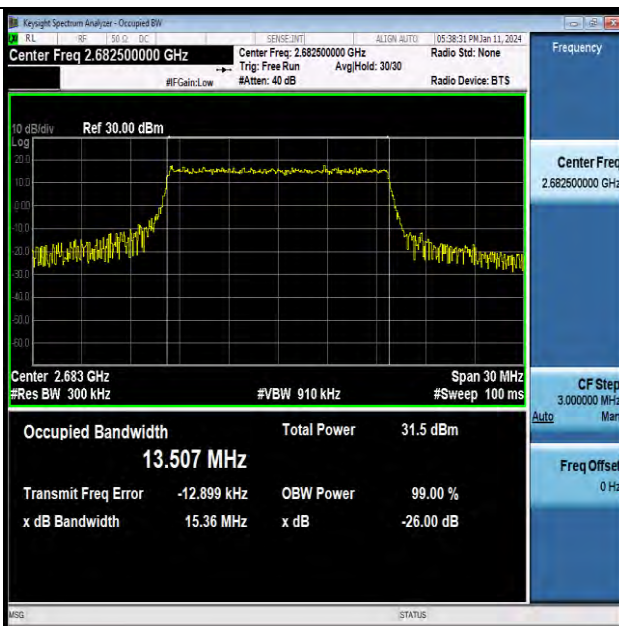
Band41-10MHz-16QAM-41540-50RB#0-PASS



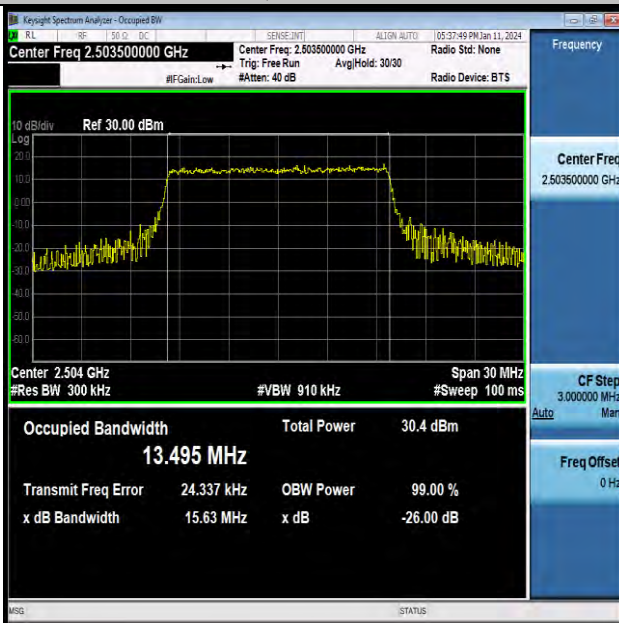
Band41-15MHz-QPSK-39725-75RB#0-PASS



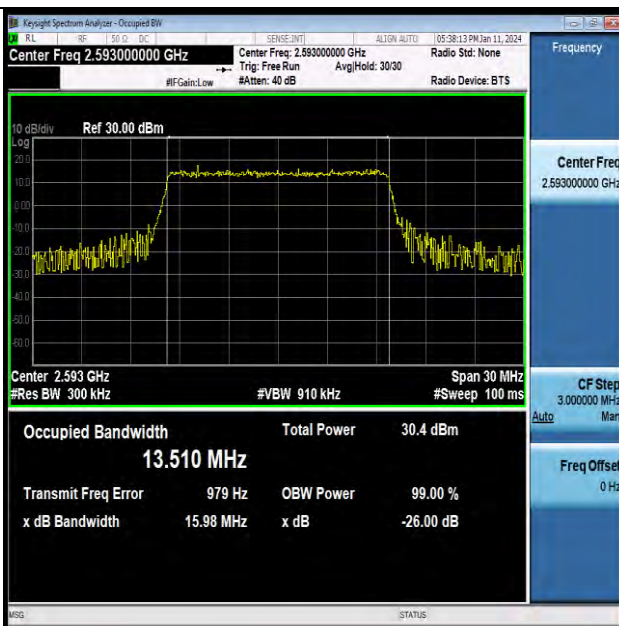
Band41-15MHz-QPSK-40620-75RB#0-PASS



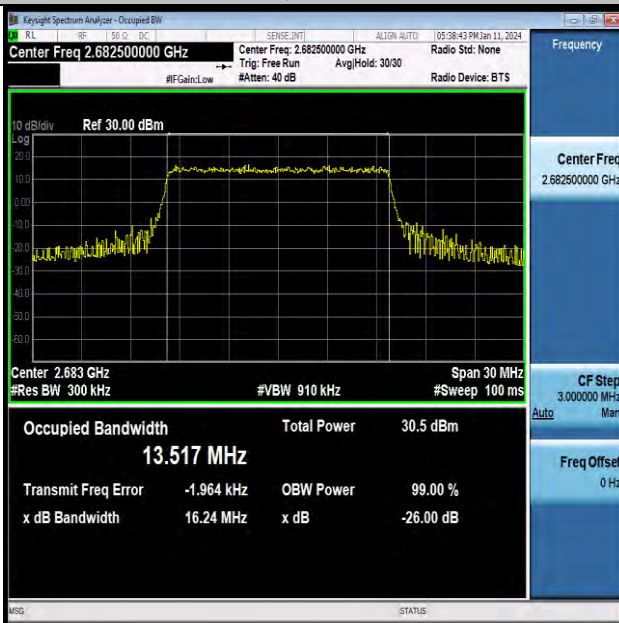
Band41-15MHz-QPSK-41515-75RB#0-PASS



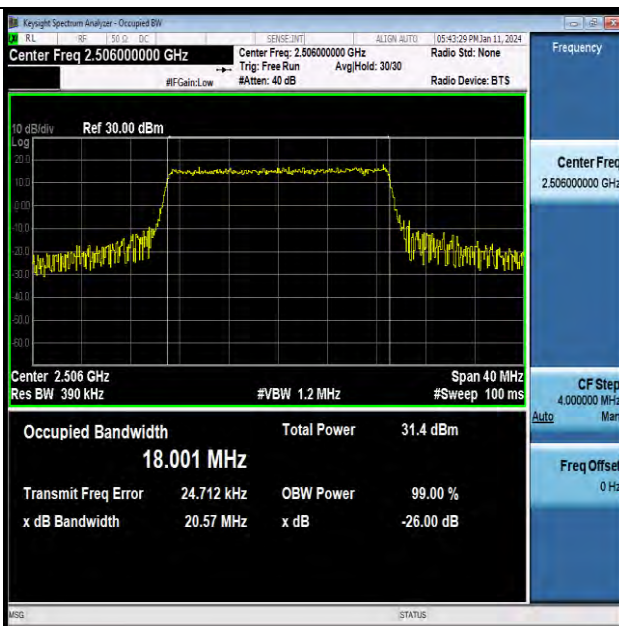
Band41-15MHz-16QAM-39725-75RB#0-PASS



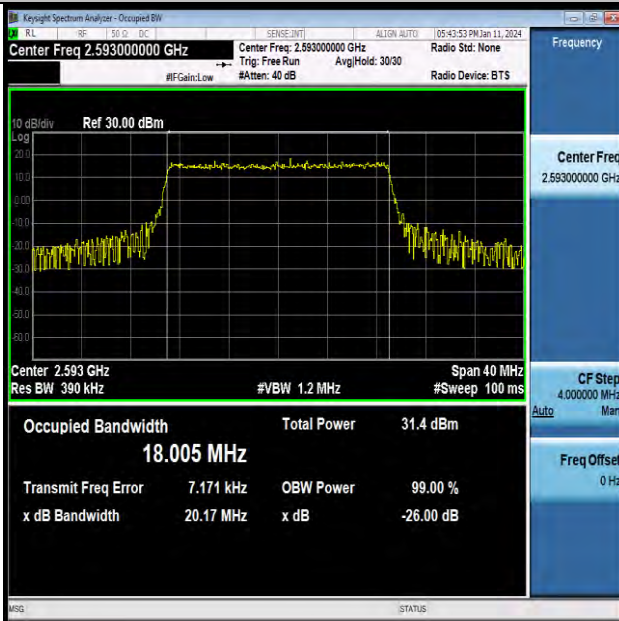
Band41-15MHz-16QAM-40620-75RB#0-PASS



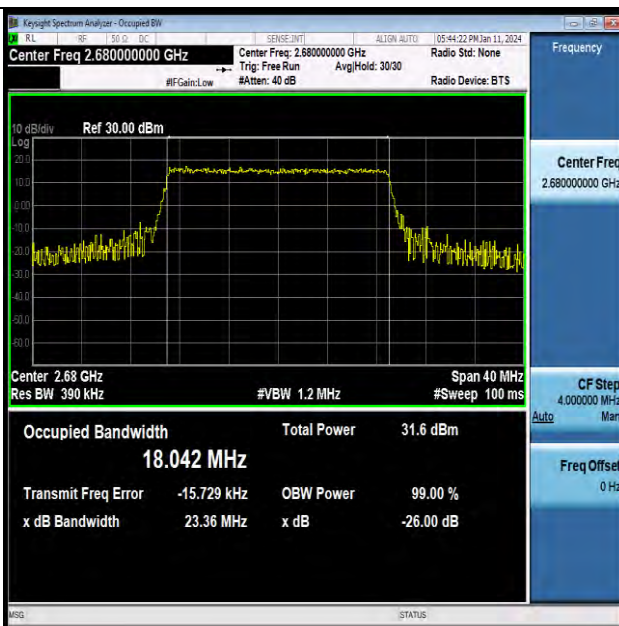
Band41-15MHz-16QAM-41515-75RB#0-PASS



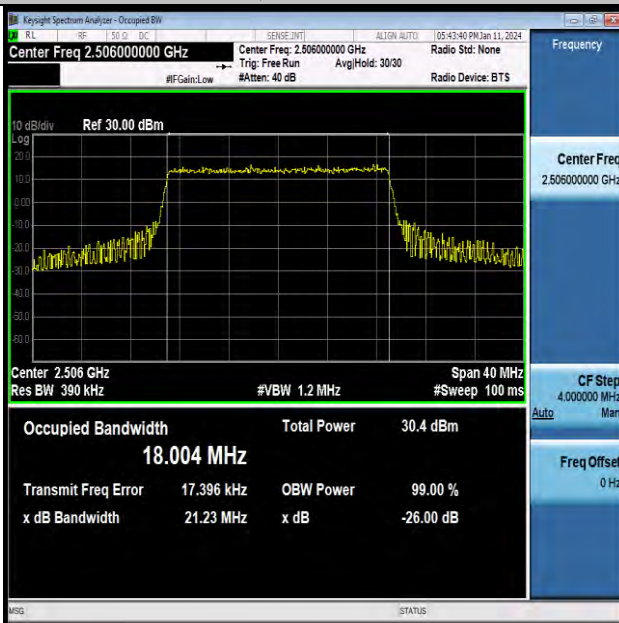
Band41-20MHz-QPSK-39750-100RB#0-PASS



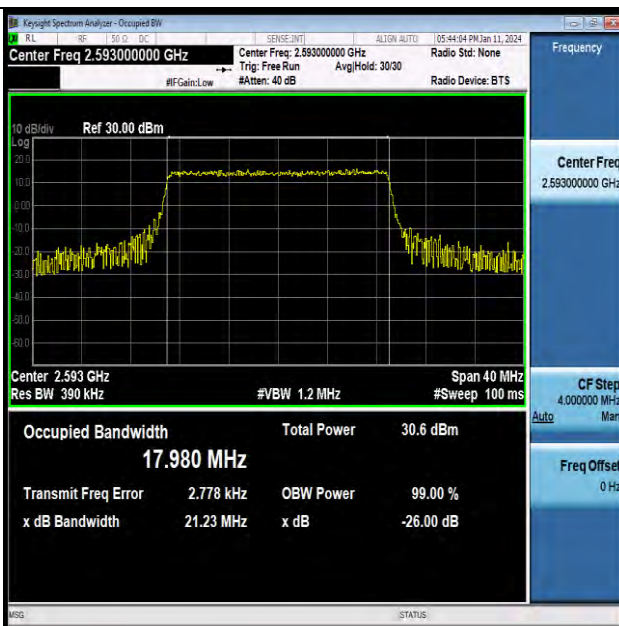
Band41-20MHz-QPSK-40620-100RB#0-PASS



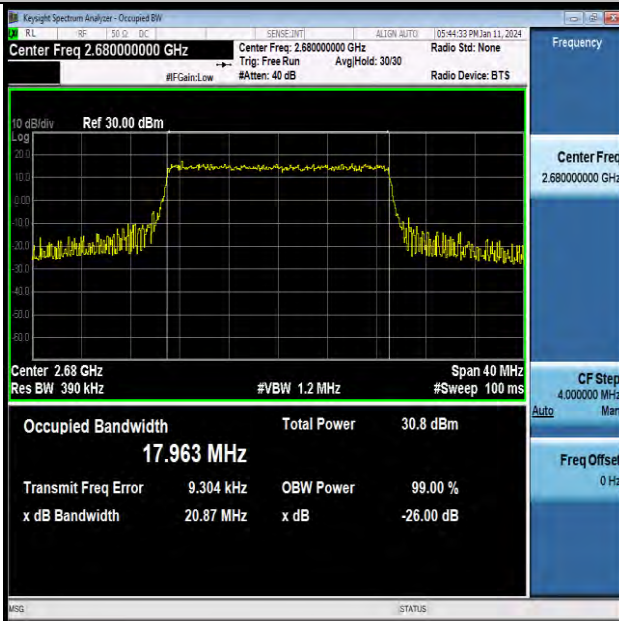
Band41-20MHz-QPSK-41490-100RB#0-PASS



Band41-20MHz-16QAM-39750-100RB#0-PASS



Band41-20MHz-16QAM-40620-100RB#0-PASS



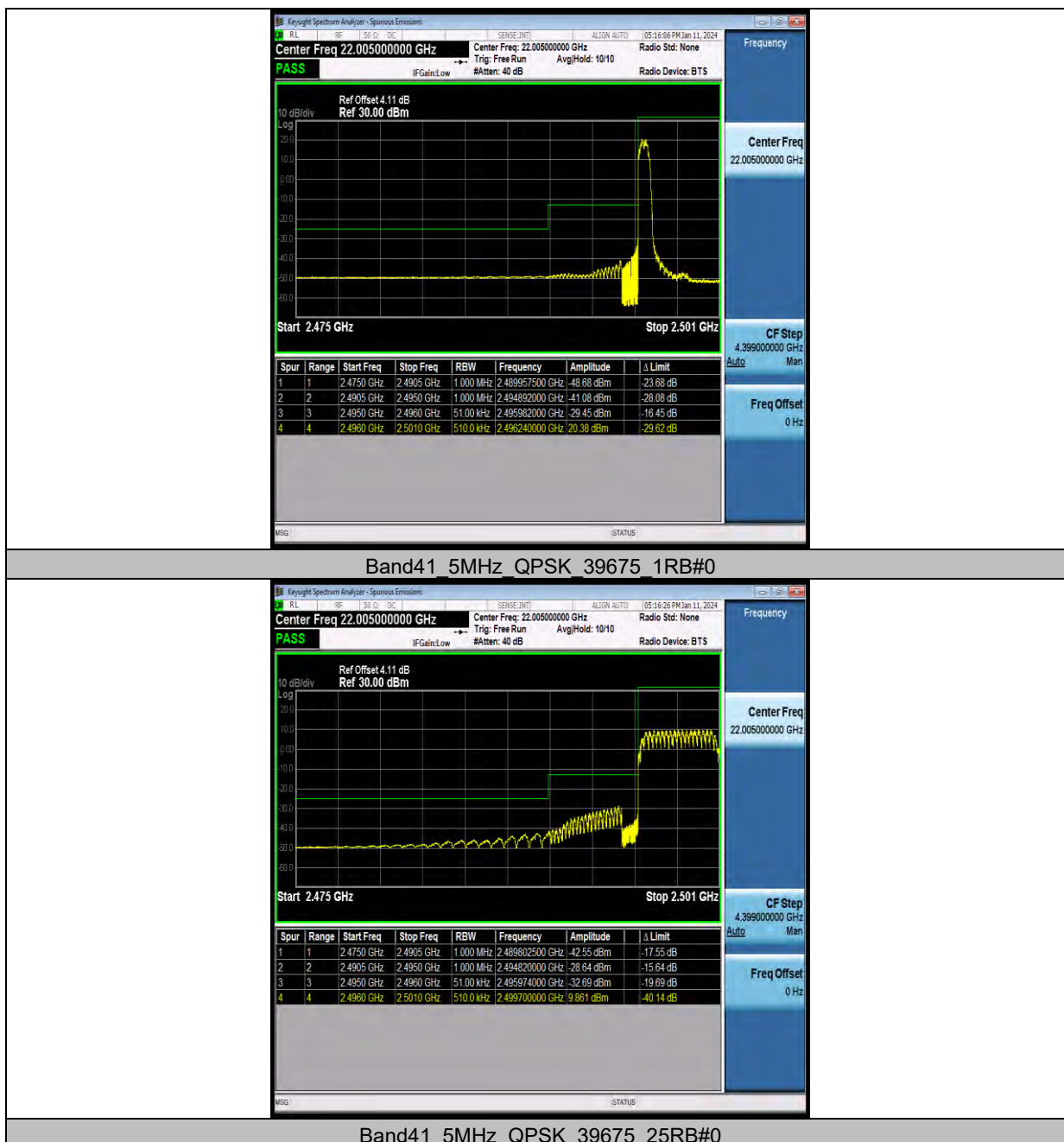
Band41-20MHz-16QAM-41490-100RB#0-PASS

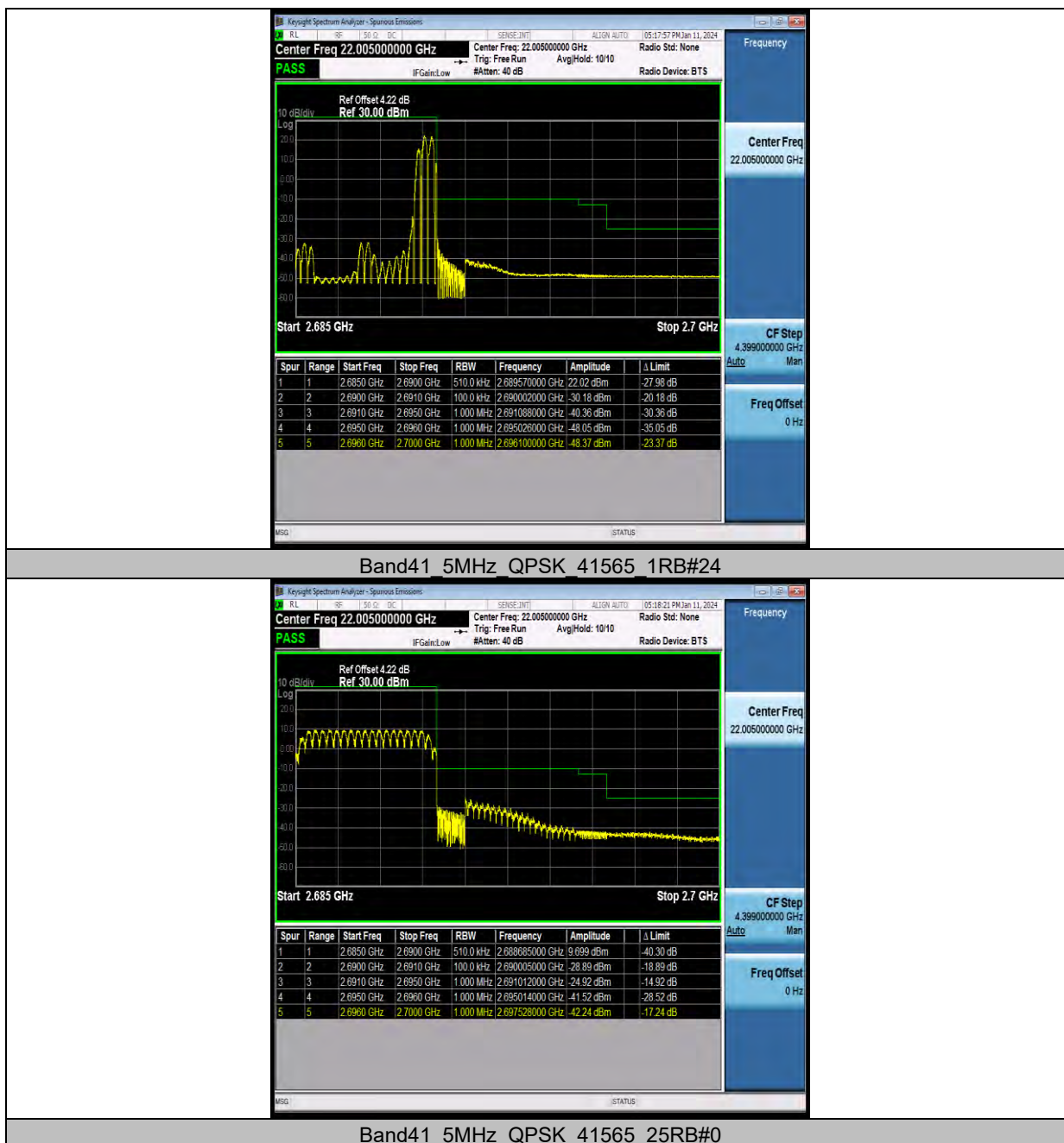
BAND EDGE

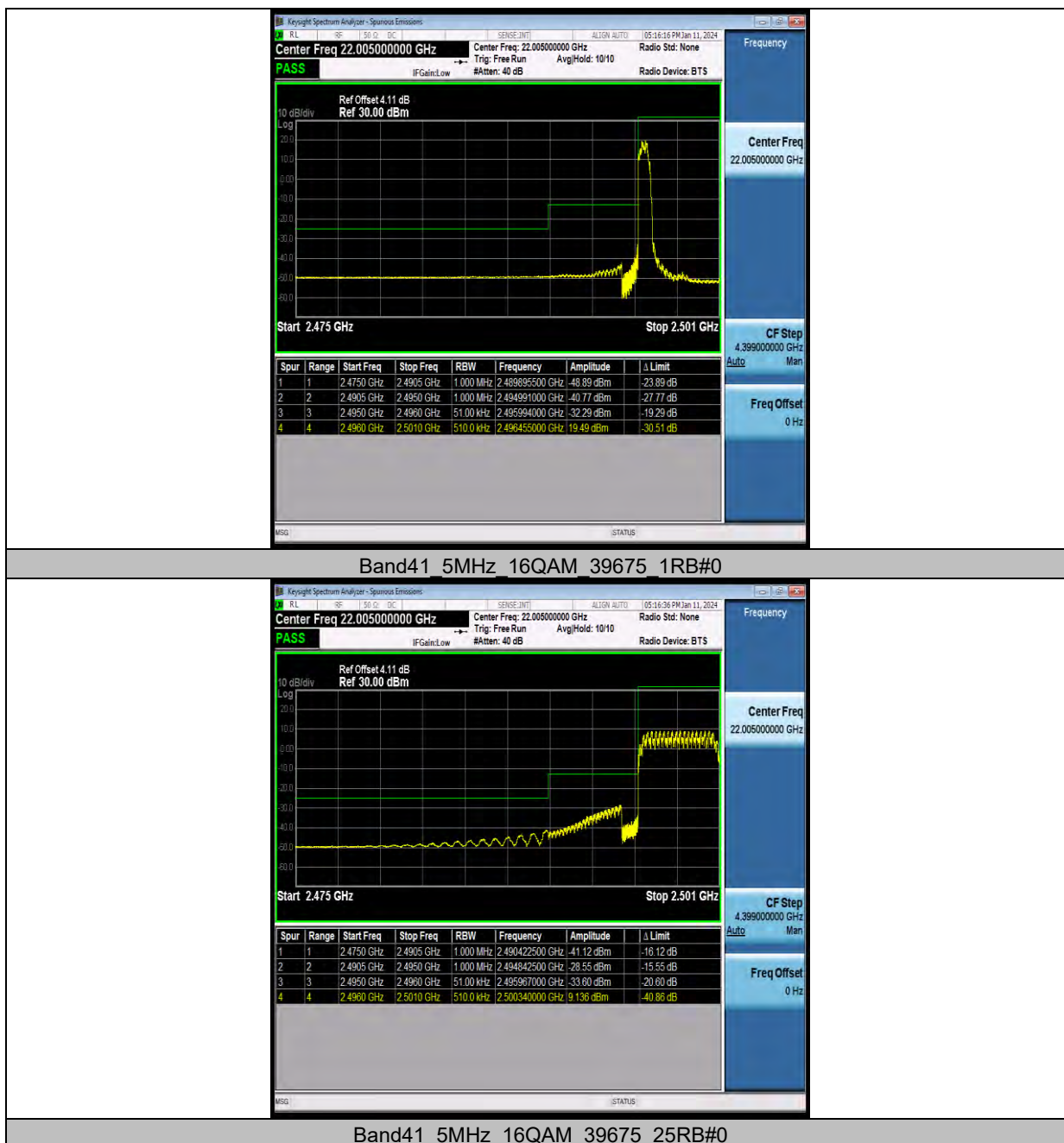
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	-29.45	PASS
Band41	5MHz	QPSK	39675	25RB#0	-28.64	PASS
Band41	5MHz	QPSK	41565	1RB#24	-30.18	PASS
Band41	5MHz	QPSK	41565	25RB#0	-24.92	PASS
Band41	5MHz	16QAM	39675	1RB#0	-32.29	PASS
Band41	5MHz	16QAM	39675	25RB#0	-28.55	PASS
Band41	5MHz	16QAM	41565	1RB#24	-28.40	PASS
Band41	5MHz	16QAM	41565	25RB#0	-25.88	PASS
Band41	10MHz	QPSK	39700	1RB#0	-48.83	PASS
Band41	10MHz	QPSK	39700	50RB#0	-39.01	PASS
Band41	10MHz	QPSK	41540	1RB#49	-48.75	PASS
Band41	10MHz	QPSK	41540	50RB#0	-42.05	PASS
Band41	10MHz	16QAM	39700	1RB#0	-48.97	PASS
Band41	10MHz	16QAM	39700	50RB#0	-38.27	PASS
Band41	10MHz	16QAM	41540	1RB#49	-48.75	PASS
Band41	10MHz	16QAM	41540	50RB#0	-42.61	PASS
Band41	15MHz	QPSK	39725	1RB#0	-48.81	PASS
Band41	15MHz	QPSK	39725	75RB#0	-36.51	PASS
Band41	15MHz	QPSK	41515	1RB#74	-32.55	PASS
Band41	15MHz	QPSK	41515	75RB#0	-41.94	PASS
Band41	15MHz	16QAM	39725	1RB#0	-48.68	PASS
Band41	15MHz	16QAM	39725	75RB#0	-36.27	PASS
Band41	15MHz	16QAM	41515	1RB#74	-48.94	PASS
Band41	15MHz	16QAM	41515	75RB#0	-42.98	PASS
Band41	20MHz	QPSK	39750	1RB#0	-48.78	PASS
Band41	20MHz	QPSK	39750	100RB#0	-37.14	PASS
Band41	20MHz	QPSK	41490	1RB#99	-33.78	PASS
Band41	20MHz	QPSK	41490	100RB#0	-44.09	PASS
Band41	20MHz	16QAM	39750	1RB#0	-48.71	PASS
Band41	20MHz	16QAM	39750	100RB#0	-37.24	PASS
Band41	20MHz	16QAM	41490	1RB#99	-49.05	PASS
Band41	20MHz	16QAM	41490	100RB#0	-44.05	PASS

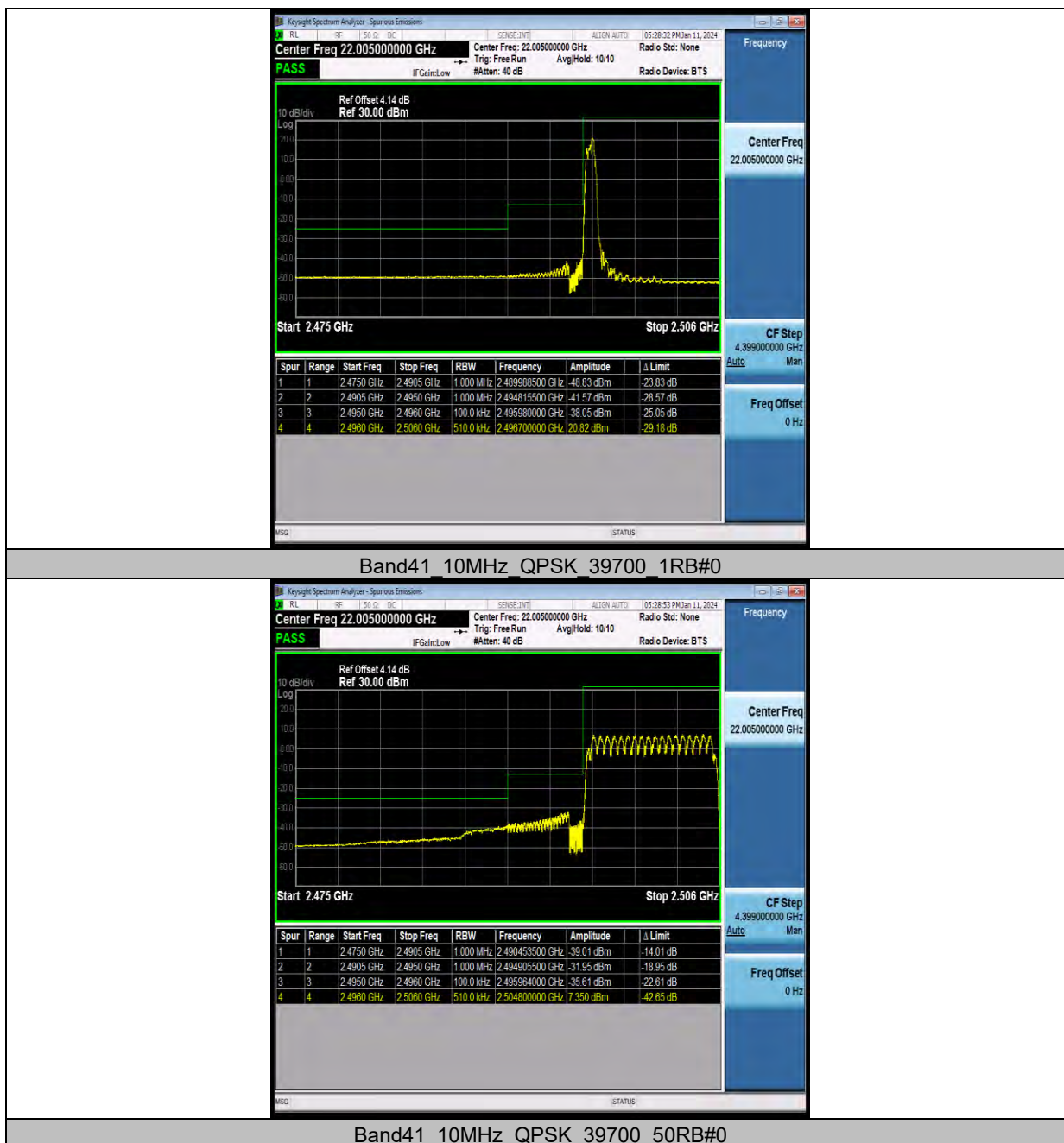
Test Graphs

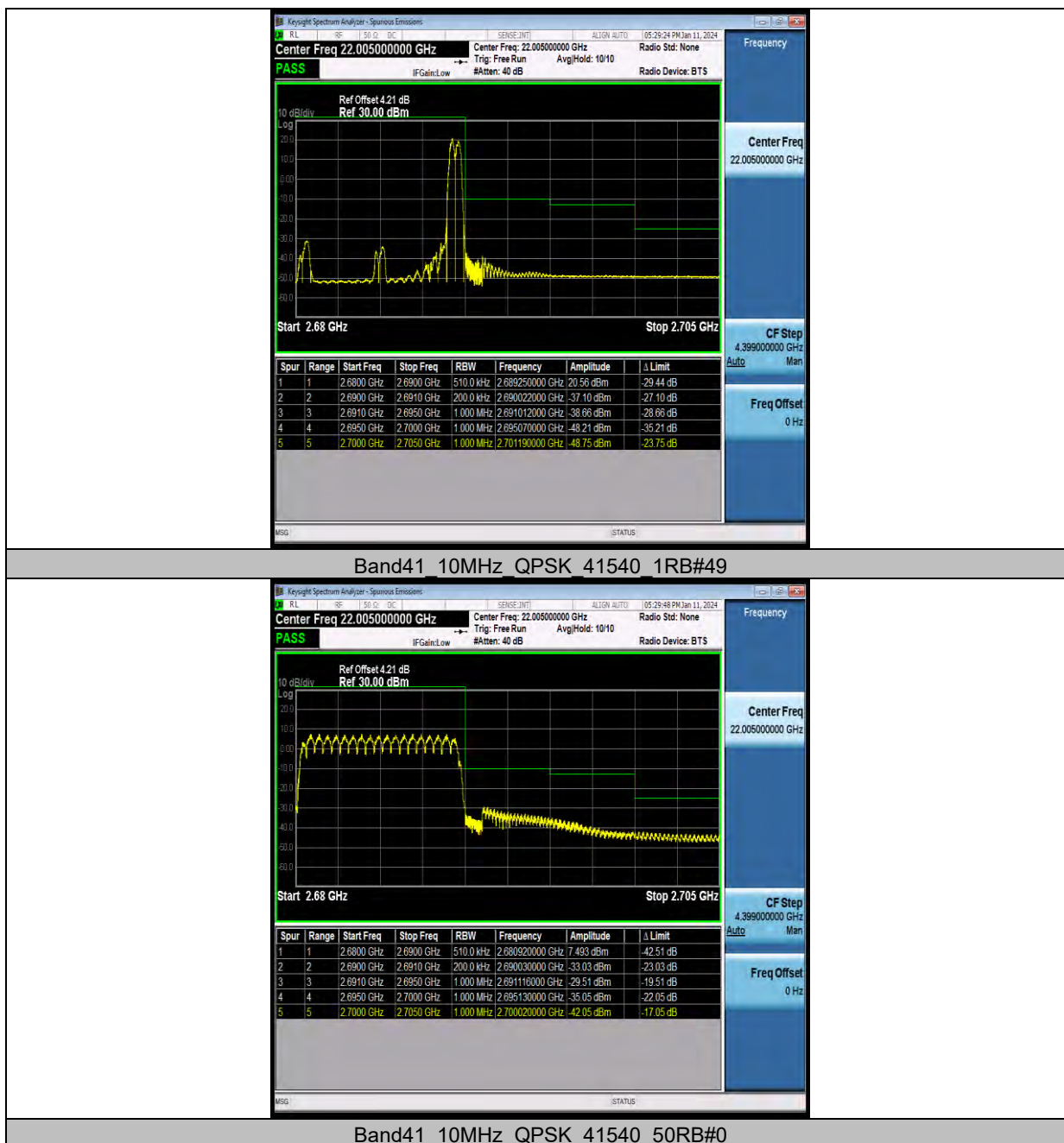




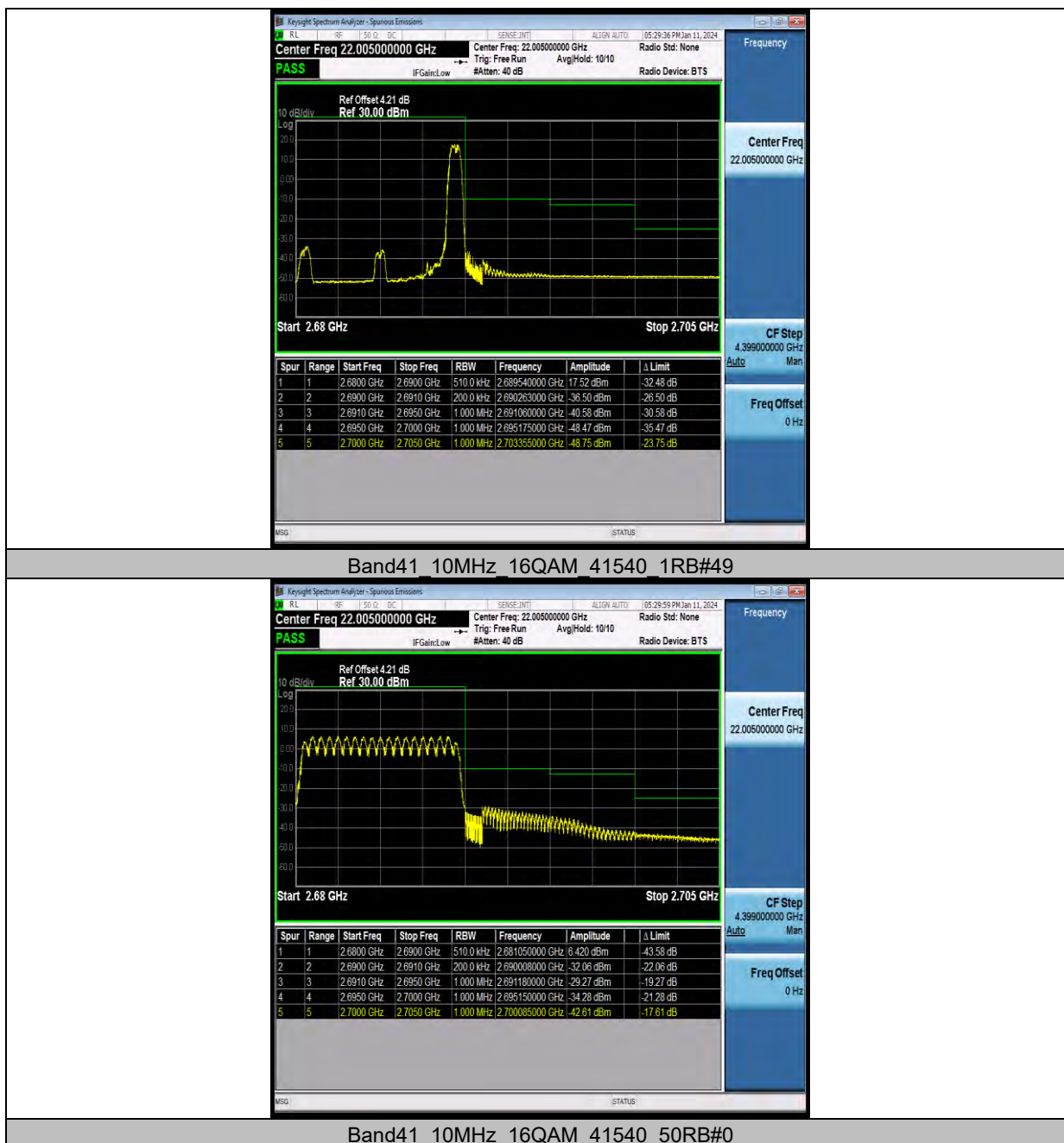




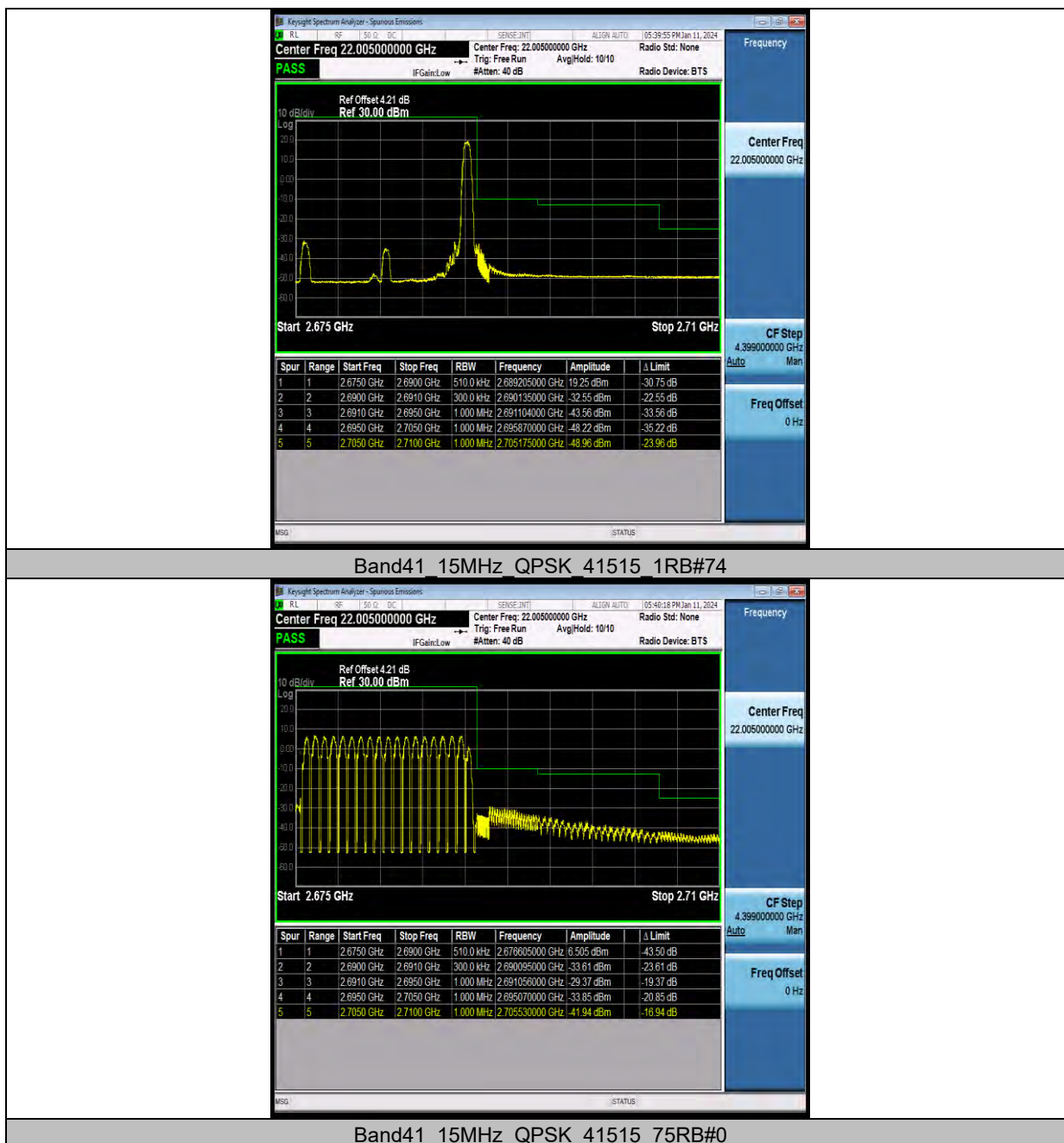




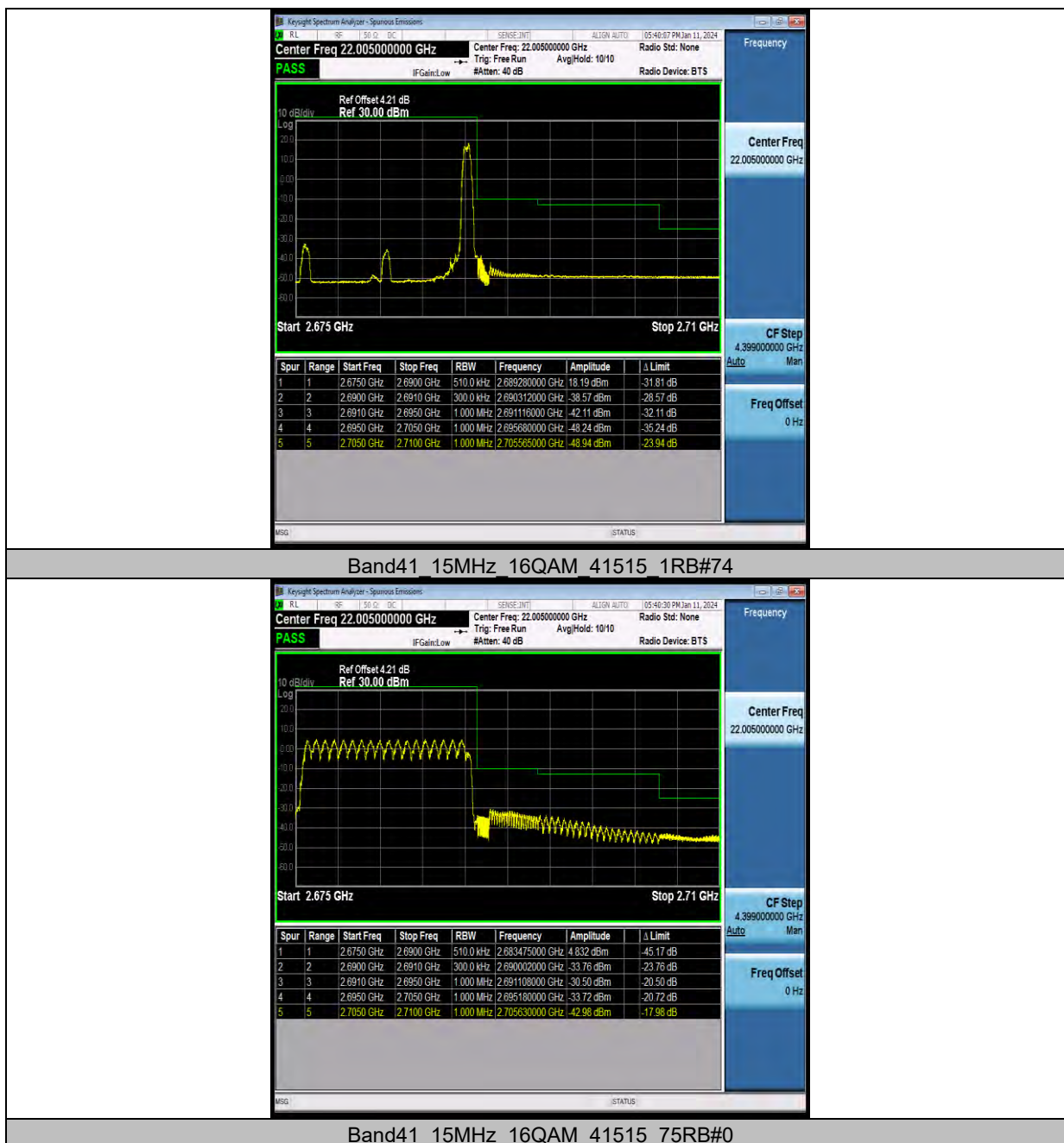




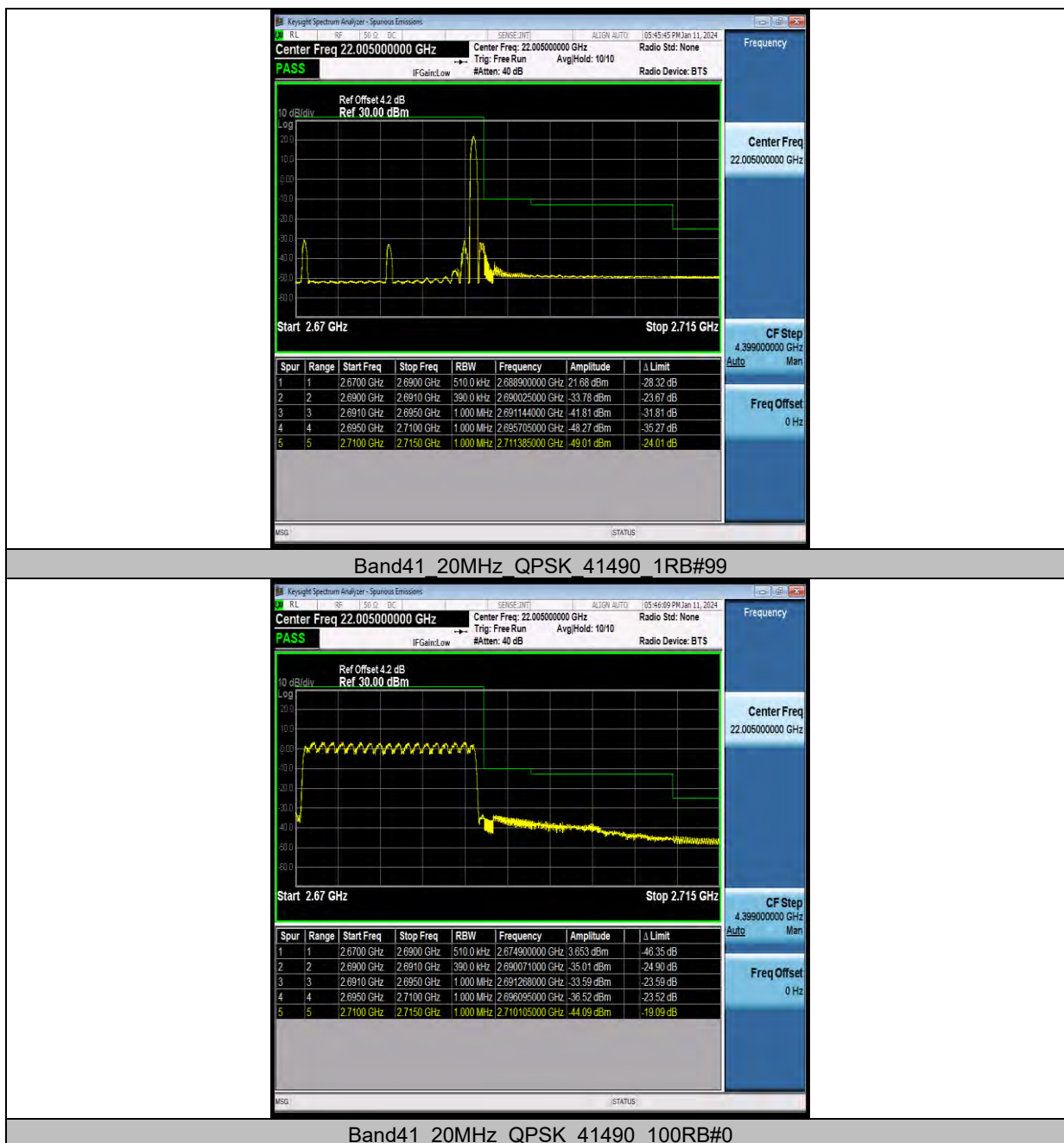




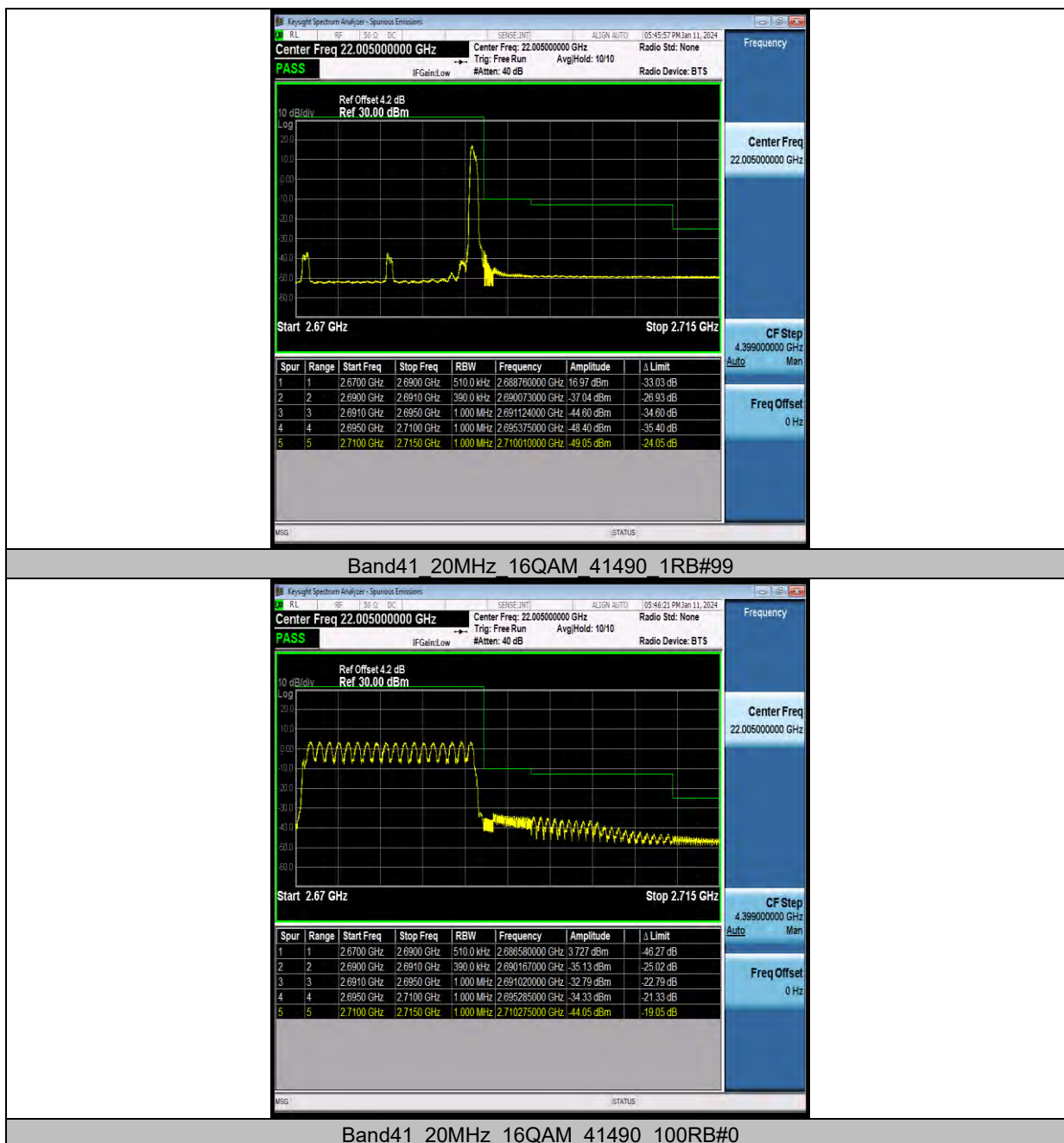










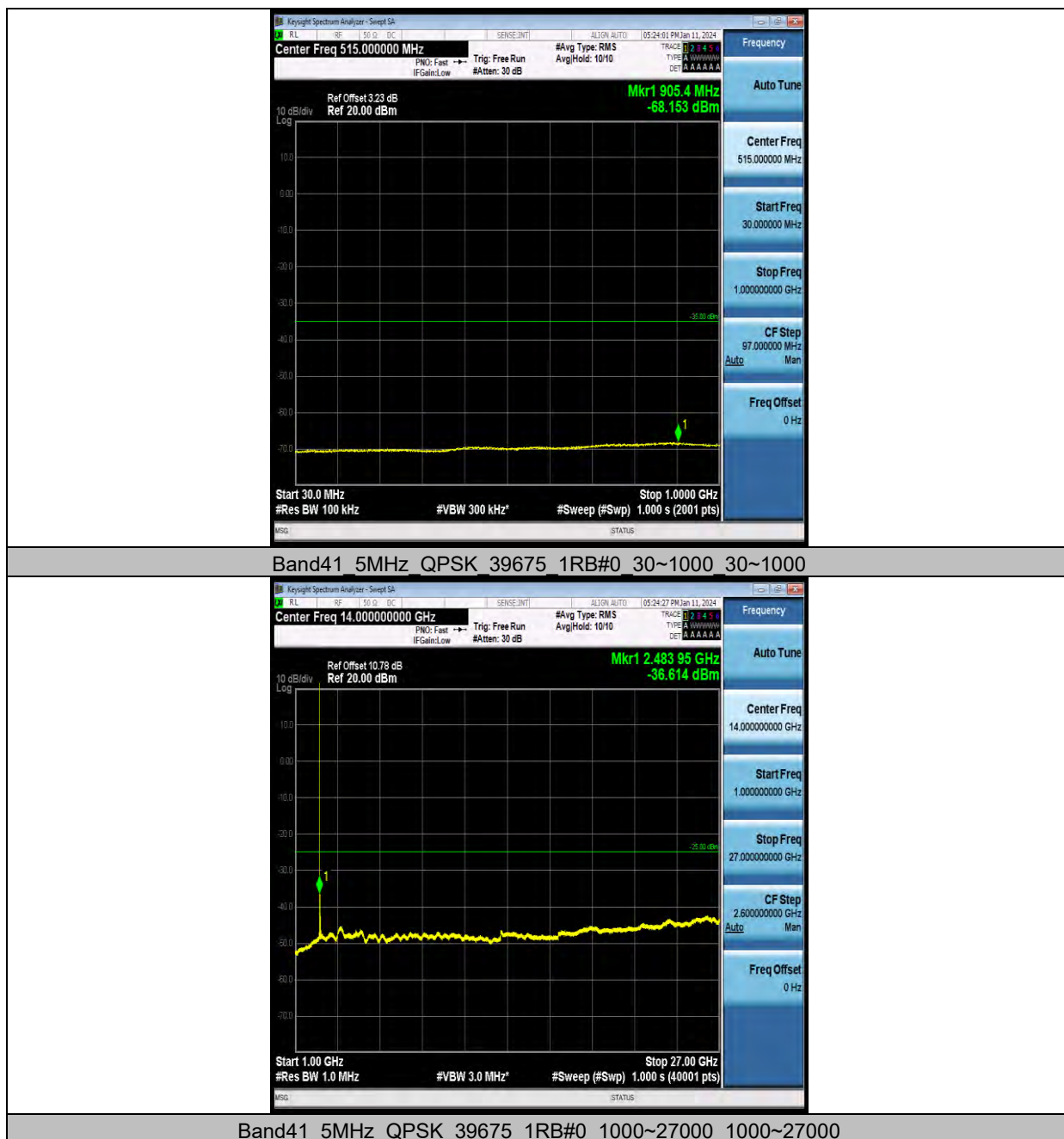


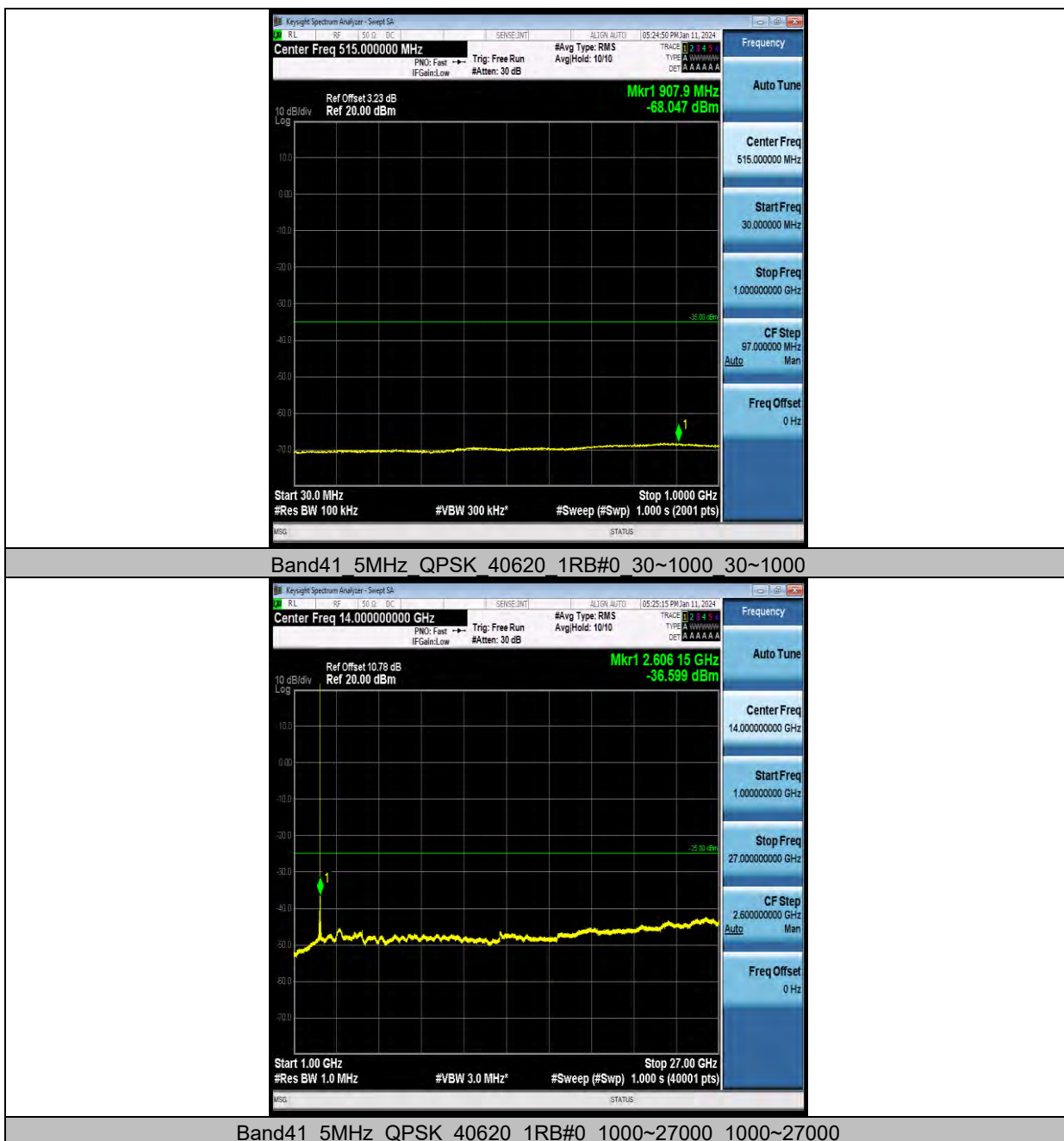
CONDUCTED SPURIOUS EMISSION

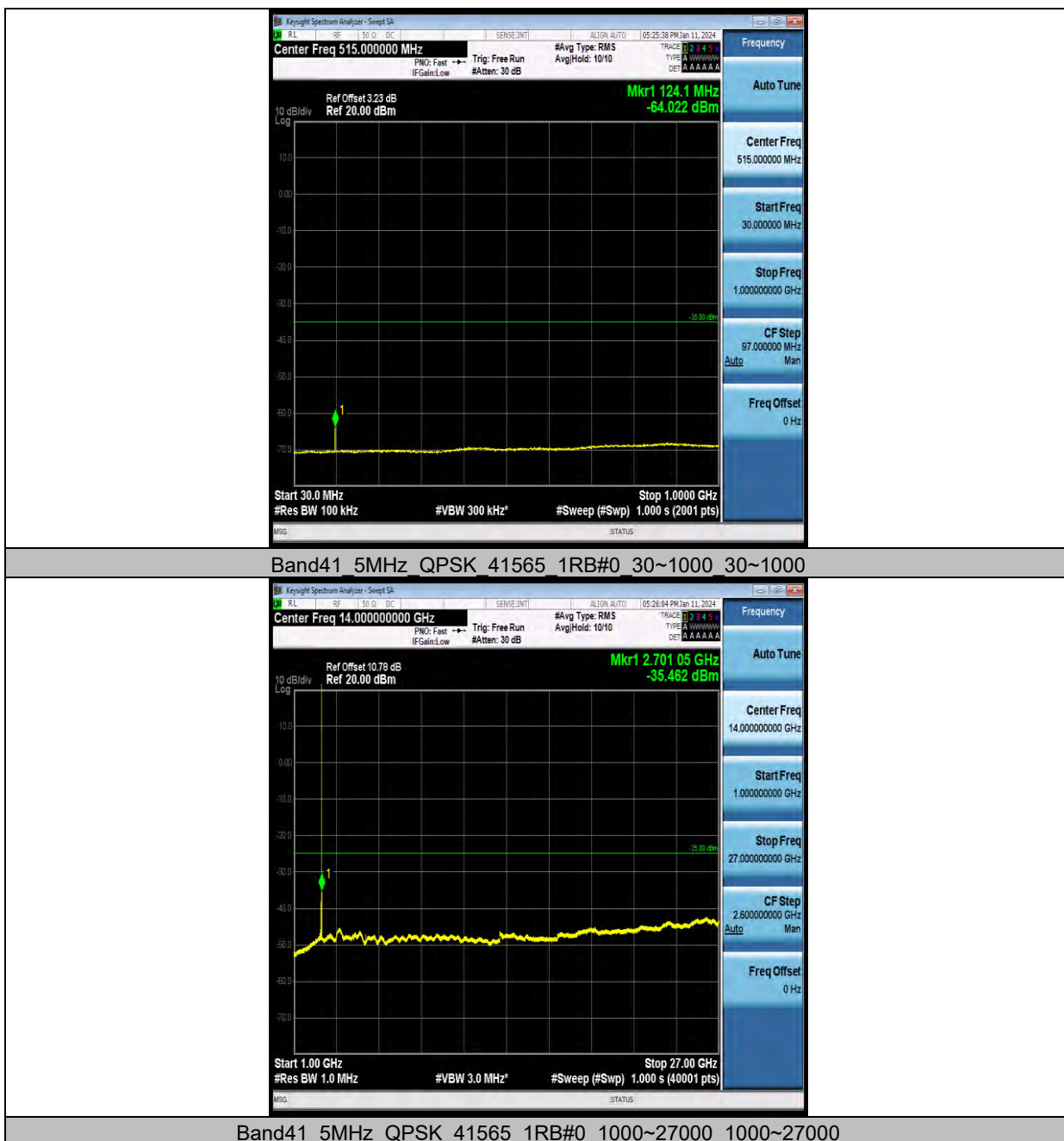
Test Result

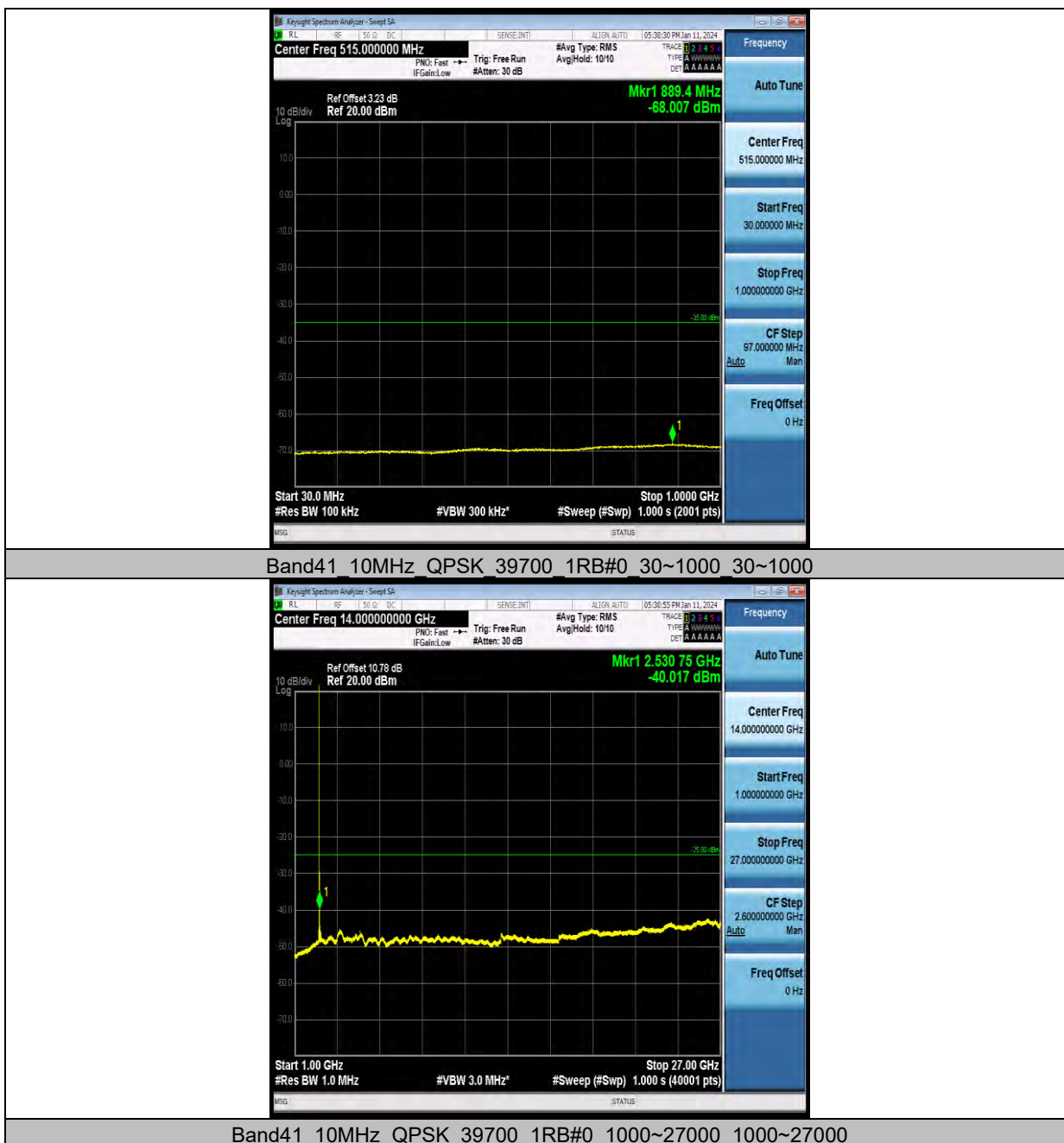
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	30~1000	-68.15	PASS
Band41	5MHz	QPSK	39675	1RB#0	1000~27000	-36.61	PASS
Band41	5MHz	QPSK	40620	1RB#0	30~1000	-68.05	PASS
Band41	5MHz	QPSK	40620	1RB#0	1000~27000	-36.60	PASS
Band41	5MHz	QPSK	41565	1RB#0	30~1000	-64.02	PASS
Band41	5MHz	QPSK	41565	1RB#0	1000~27000	-35.46	PASS
Band41	10MHz	QPSK	39700	1RB#0	30~1000	-68.01	PASS
Band41	10MHz	QPSK	39700	1RB#0	1000~27000	-40.02	PASS
Band41	10MHz	QPSK	40620	1RB#0	30~1000	-68.09	PASS
Band41	10MHz	QPSK	40620	1RB#0	1000~27000	-38.18	PASS
Band41	10MHz	QPSK	41540	1RB#0	30~1000	-65.16	PASS
Band41	10MHz	QPSK	41540	1RB#0	1000~27000	-39.30	PASS
Band41	15MHz	QPSK	39725	1RB#0	30~1000	-67.91	PASS
Band41	15MHz	QPSK	39725	1RB#0	1000~27000	-42.51	PASS
Band41	15MHz	QPSK	40620	1RB#0	30~1000	-68.08	PASS
Band41	15MHz	QPSK	40620	1RB#0	1000~27000	-39.49	PASS
Band41	15MHz	QPSK	41515	1RB#0	30~1000	-65.74	PASS
Band41	15MHz	QPSK	41515	1RB#0	1000~27000	-38.62	PASS
Band41	20MHz	QPSK	39750	1RB#0	30~1000	-63.25	PASS
Band41	20MHz	QPSK	39750	1RB#0	1000~27000	-42.41	PASS
Band41	20MHz	QPSK	40620	1RB#0	30~1000	-68.15	PASS
Band41	20MHz	QPSK	40620	1RB#0	1000~27000	-42.43	PASS
Band41	20MHz	QPSK	41490	1RB#0	30~1000	-64.51	PASS
Band41	20MHz	QPSK	41490	1RB#0	1000~27000	-42.45	PASS

Test Graphs



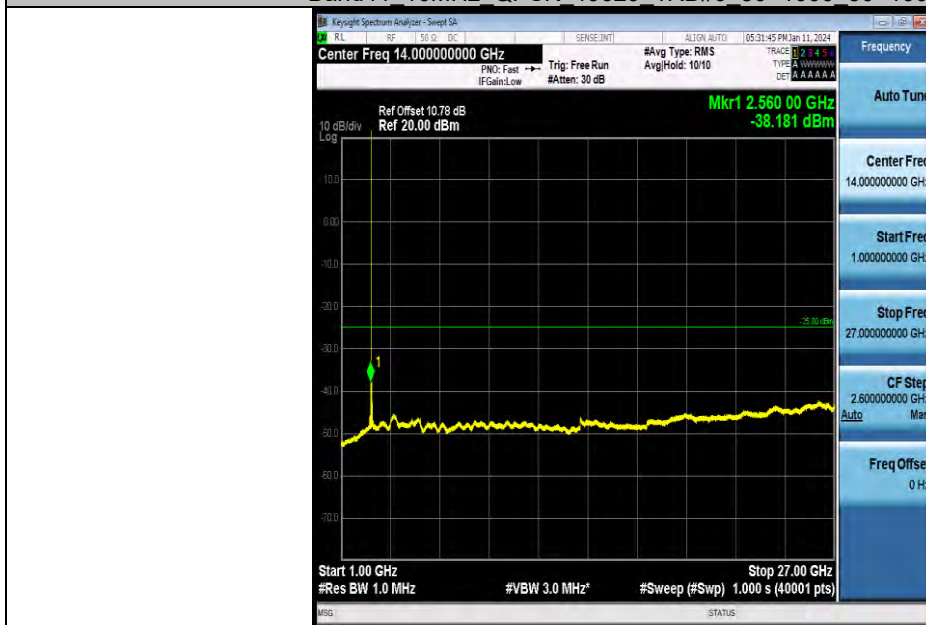




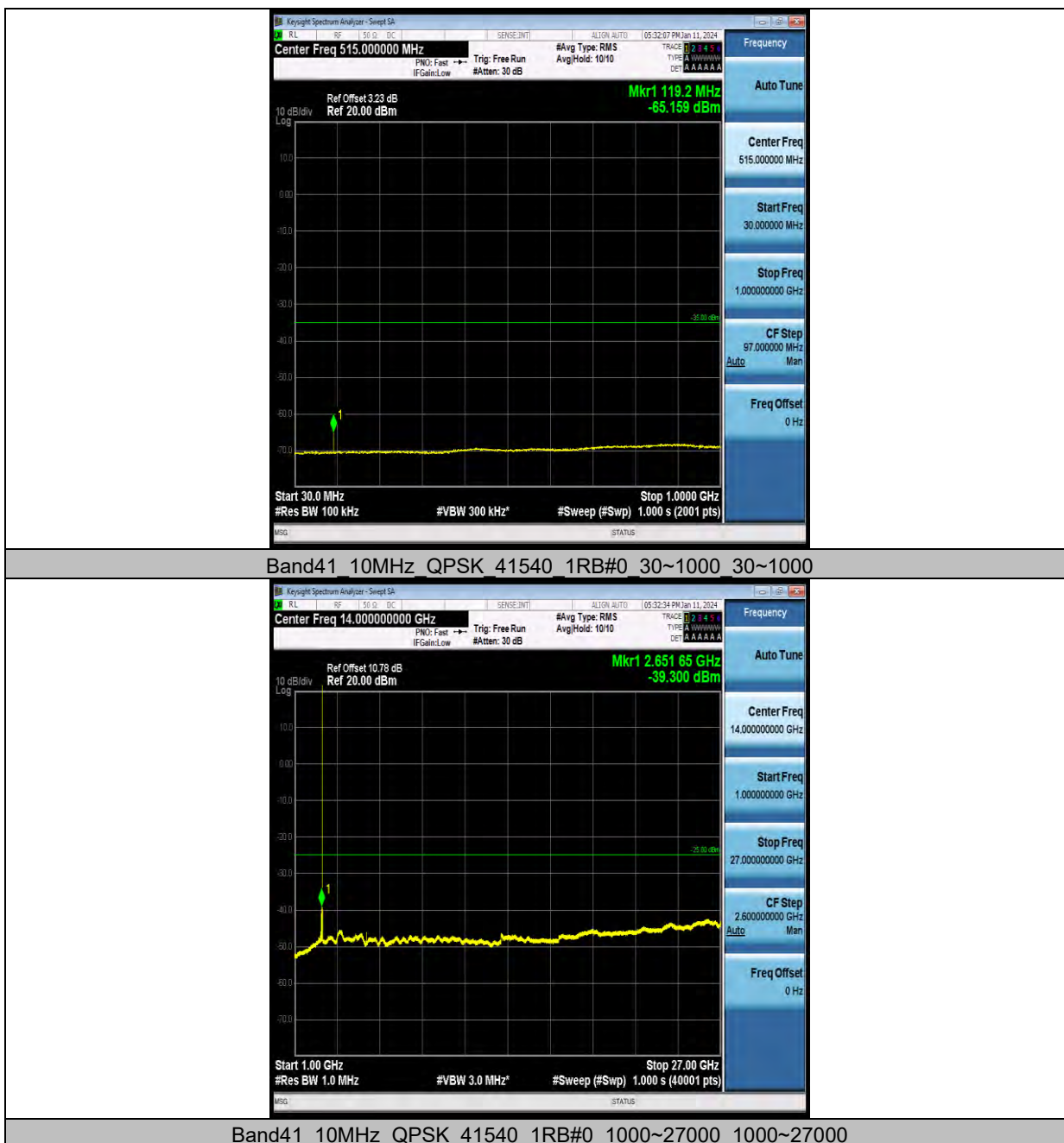


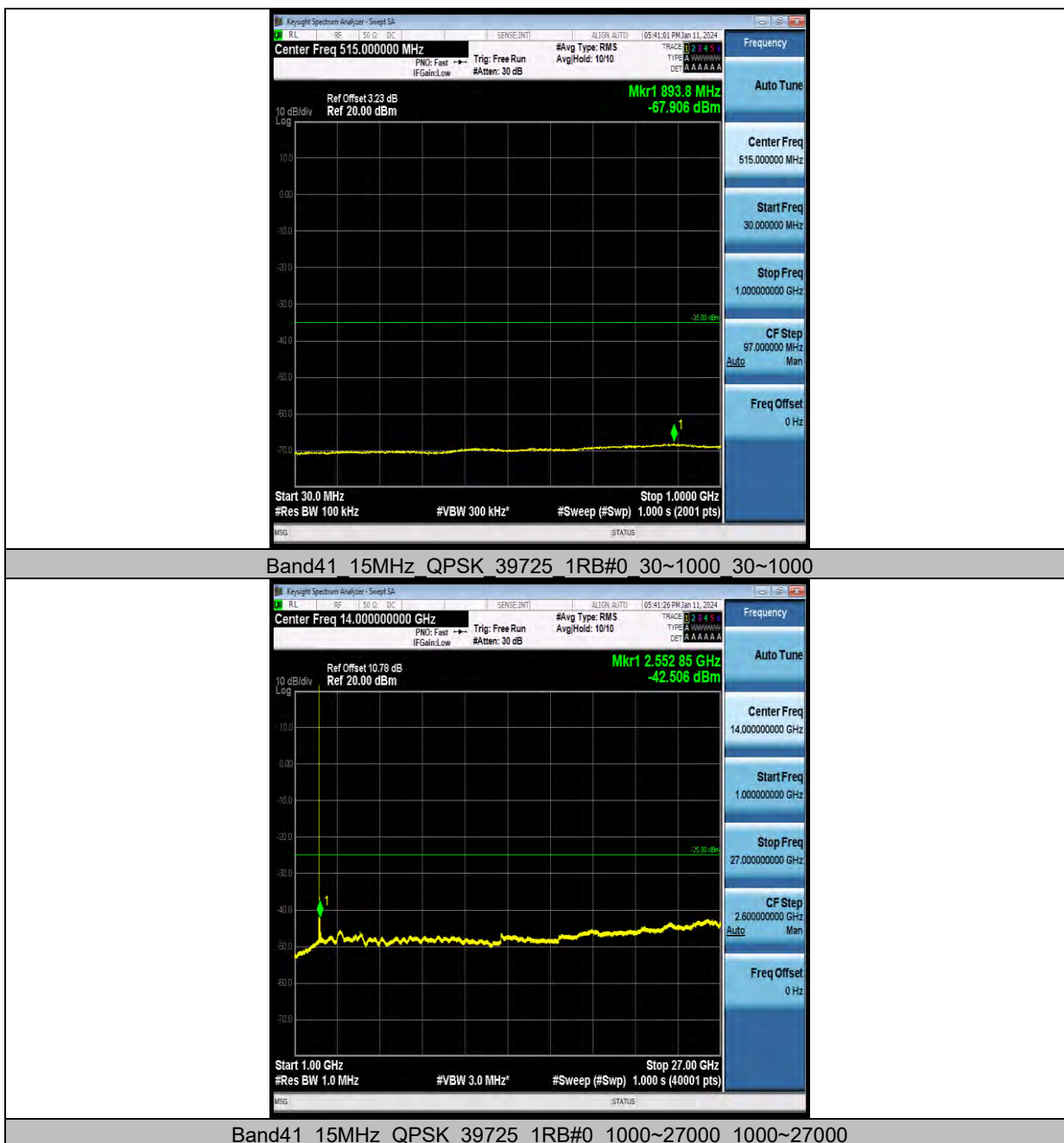


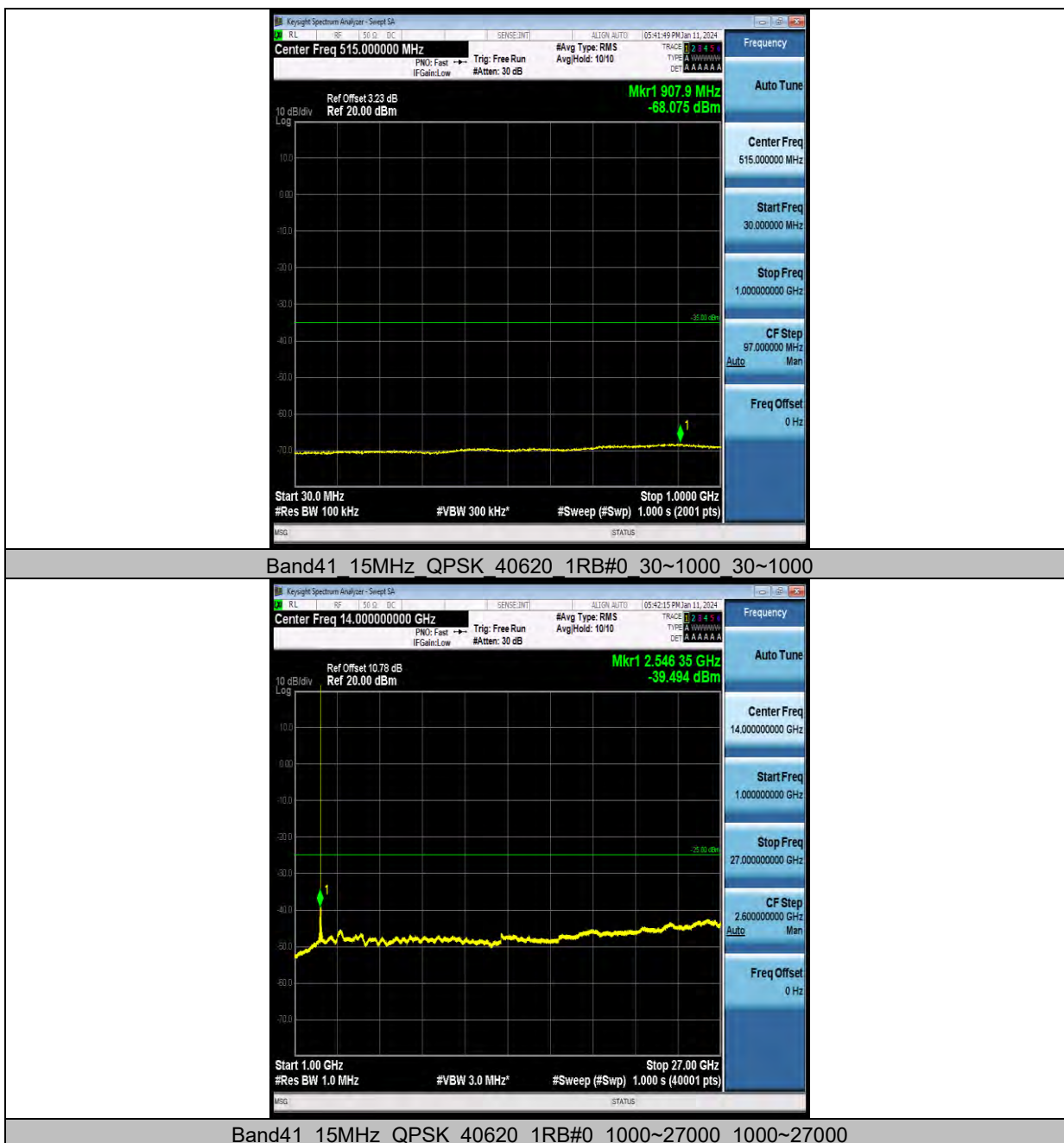
Band41 10MHz QPSK 40620 1RB#0 30~1000 30~1000



Band41 10MHz QPSK 40620 1RB#0 1000~27000 1000~27000

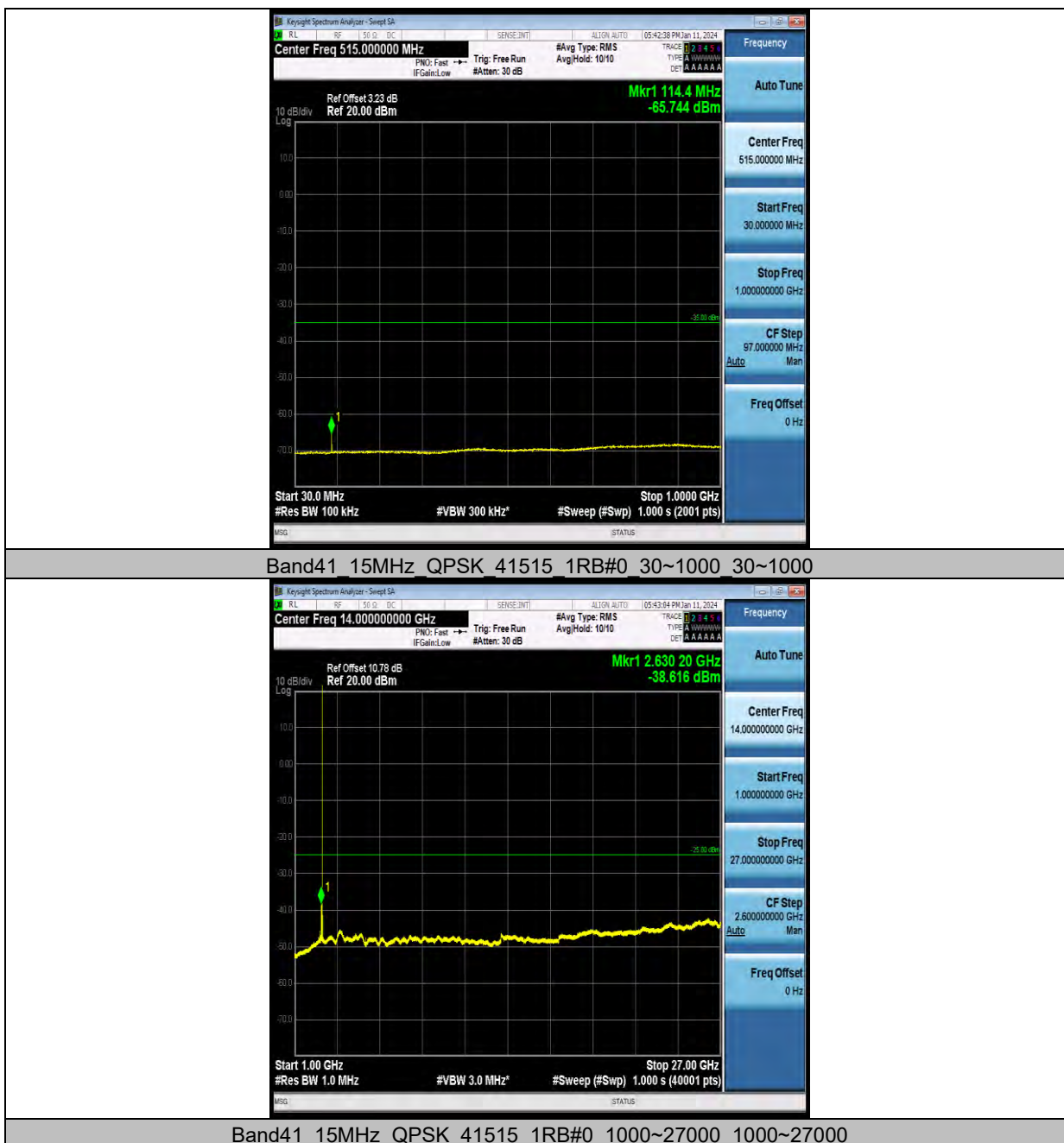


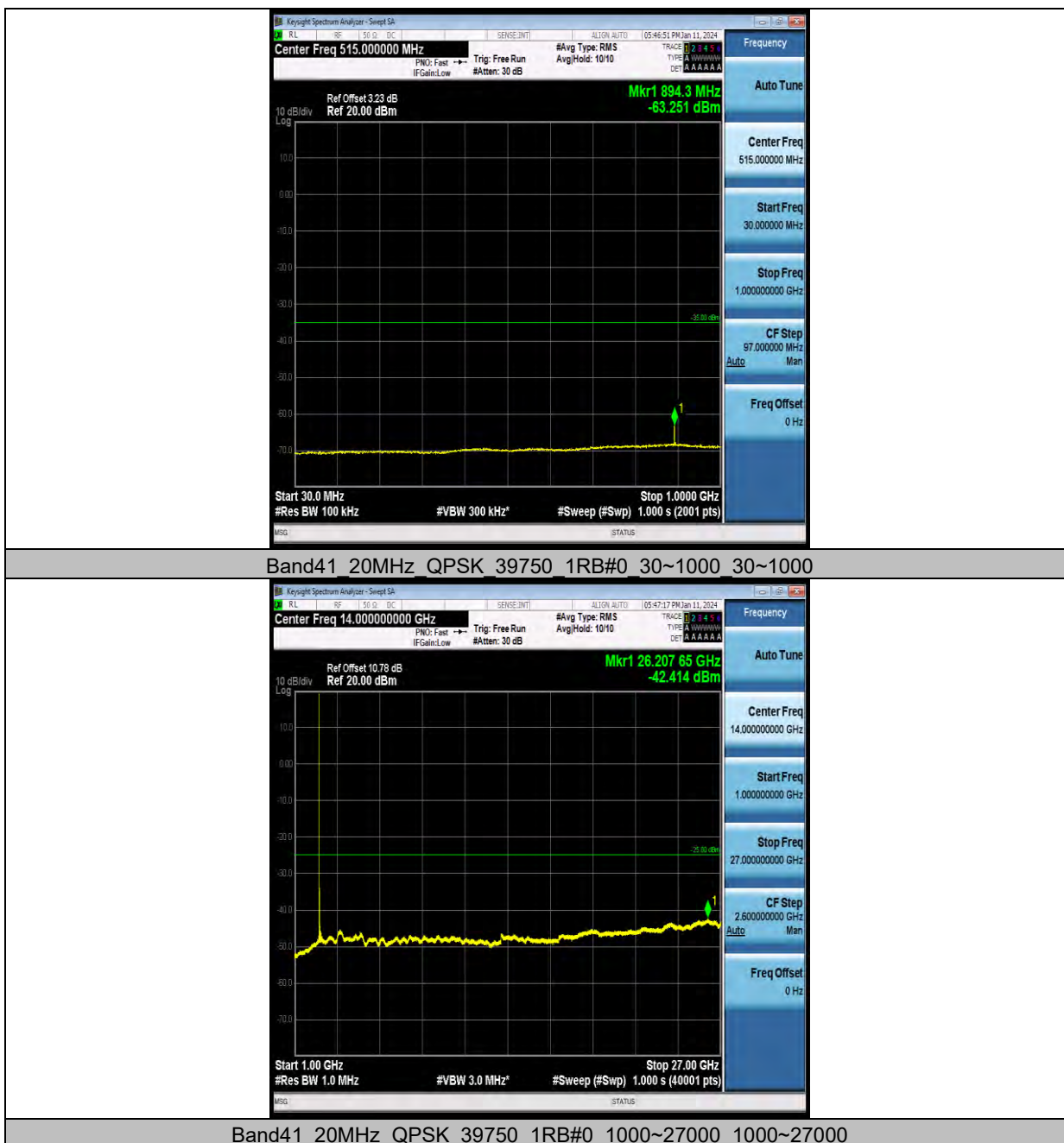


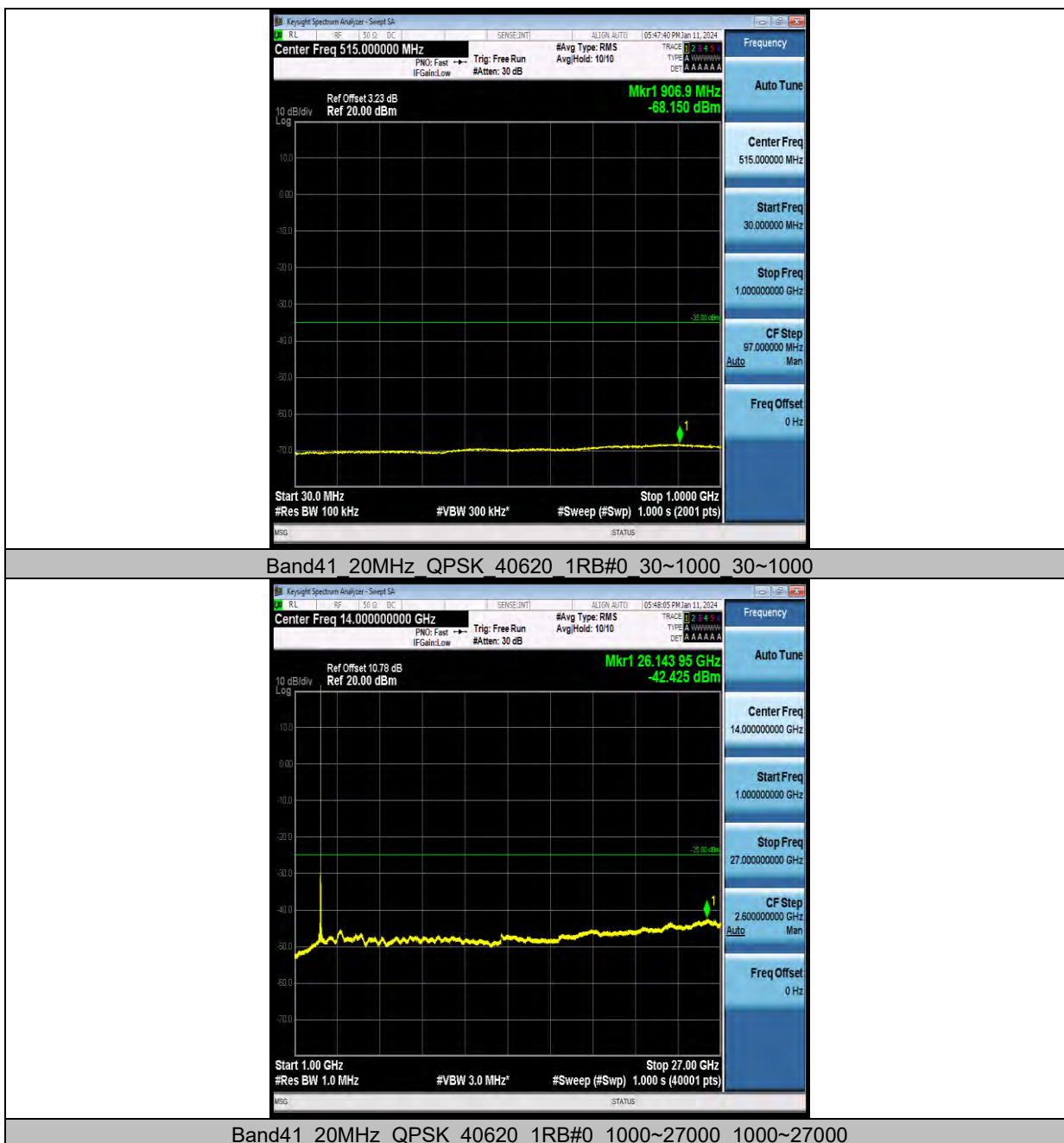




Test Report No.: W7L-P23120020RF04

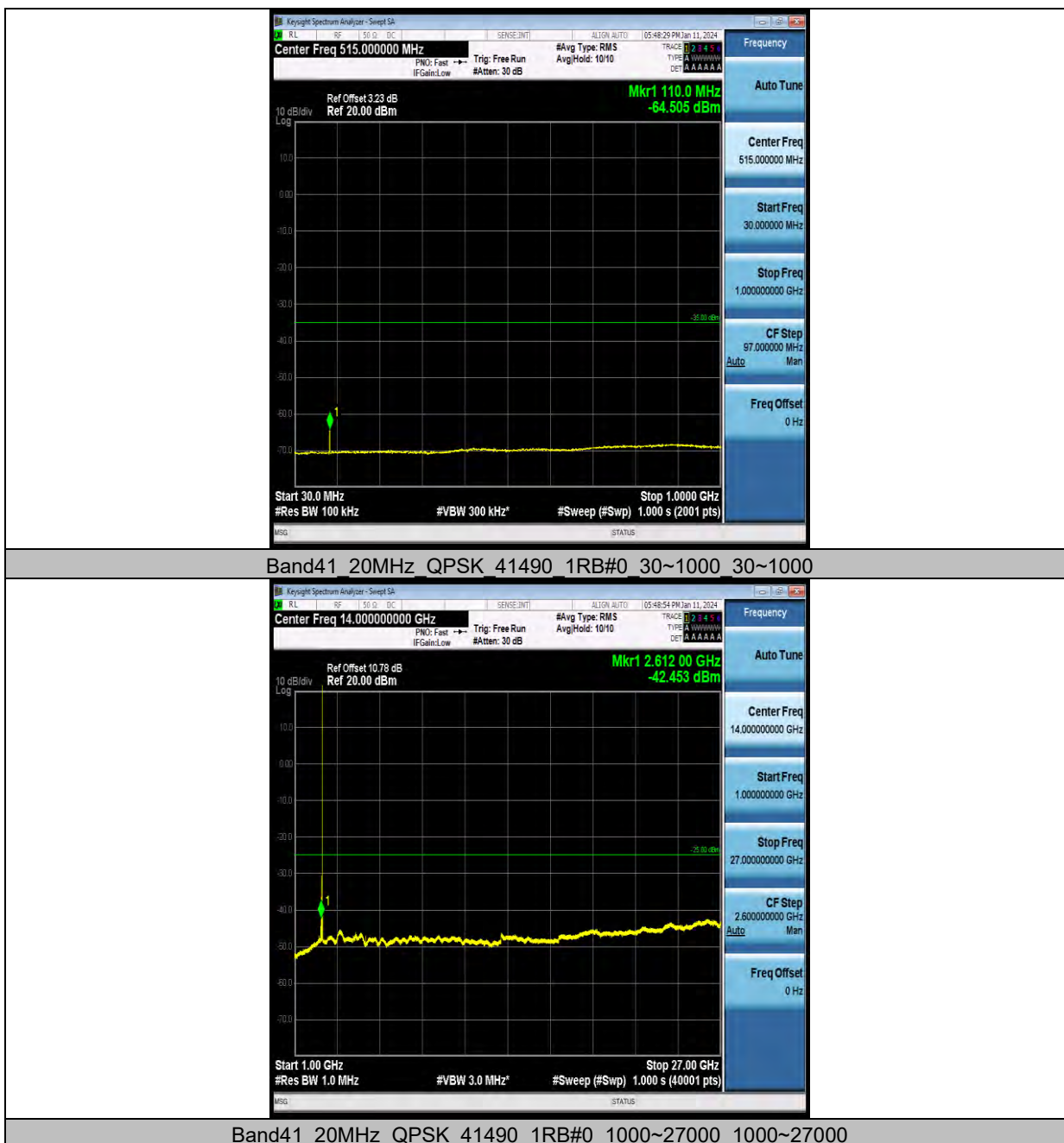








Test Report No.: W7L-P23120020RF04



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	10MHz	QPSK	39700	50RB#0	VN	NT	-7.80	-0.003119	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VL	NT	-7.24	-0.002895	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	VH	NT	-7.31	-0.002923	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VN	NT	-6.41	-0.002472	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VL	NT	-9.11	-0.003513	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	VH	NT	-8.28	-0.003193	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VN	NT	-7.65	-0.002849	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VL	NT	-9.01	-0.003356	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	VH	NT	-6.27	-0.002335	±2.5	PASS

Temperature										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	-8.48	-0.003391	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	-6.87	-0.002747	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	-5.39	-0.002155	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	-5.58	-0.002231	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	-7.48	-0.002991	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	-7.38	-0.002951	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	-8.07	-0.003227	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	-9.16	-0.003663	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	-6.91	-0.002763	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	-10.16	-0.003918	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	-8.84	-0.003409	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	-7.21	-0.002781	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	-10.30	-0.003972	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	-7.91	-0.003051	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	-7.90	-0.003047	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	-5.69	-0.002194	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	-8.55	-0.003297	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	-9.01	-0.003475	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	-11.13	-0.004145	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	-7.60	-0.002831	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	-7.45	-0.002775	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	-9.33	-0.003475	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	10	-11.09	-0.004130	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-6.51	-0.002425	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	-8.13	-0.003028	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	-5.45	-0.002030	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	50	-7.62	-0.002838	±2.5	PASS

LTE BAND42

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	10.14	13	PASS
42(3450-3550)	20MHz	QPSK	42190	100RB#0	9.59	13	PASS
42(3450-3550)	20MHz	QPSK	42590	1RB#0	9.00	13	PASS
42(3450-3550)	20MHz	QPSK	42590	100RB#0	9.37	13	PASS
42(3450-3550)	20MHz	QPSK	42990	1RB#0	8.64	13	PASS
42(3450-3550)	20MHz	QPSK	42990	100RB#0	9.50	13	PASS
42(3450-3550)	20MHz	16QAM	42190	1RB#0	10.06	13	PASS
42(3450-3550)	20MHz	16QAM	42190	100RB#0	10.96	13	PASS
42(3450-3550)	20MHz	16QAM	42590	1RB#0	10.84	13	PASS
42(3450-3550)	20MHz	16QAM	42590	100RB#0	10.31	13	PASS
42(3450-3550)	20MHz	16QAM	42990	1RB#0	10.02	13	PASS
42(3450-3550)	20MHz	16QAM	42990	100RB#0	11.08	13	PASS

Test Graphs

