

Appendix-C LTE Band 71

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	23.93	23.39	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	24.36	23.82	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	24.34	23.8	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	23.28	22.74	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	24.42	23.88	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	24.06	23.52	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	24.22	23.68	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	23.35	22.81	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	24.32	23.78	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	24.34	23.8	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	24.15	23.61	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	23.25	22.71	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	23.84	23.3	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	23.66	23.12	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	23.66	23.12	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	22.25	21.71	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	23.71	23.17	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	23.6	23.06	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	23.41	22.87	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	22.3	21.76	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	23.78	23.24	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	23.71	23.17	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	23.54	23	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	22.21	21.67	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.32	22.78	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	24.19	23.65	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	24.43	23.89	34.77	PASS
Band71	10MHz	QPSK	133172	50RB#0	23.25	22.71	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.34	22.8	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	24.3	23.76	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	24.38	23.84	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	23.12	22.58	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.27	22.73	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	24.21	23.67	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	24.4	23.86	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	23.2	22.66	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.69	22.15	34.77	PASS

Band71	10MHz	16QAM	133172	1RB#24	23.63	23.09	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	23.55	23.01	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	22.23	21.69	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.39	21.85	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	23.35	22.81	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	23.76	23.22	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	22.17	21.63	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.67	22.13	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	23.56	23.02	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	23.78	23.24	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	22.21	21.67	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	24	23.46	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	24.54	24	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	24.27	23.73	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	23.24	22.7	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	24.15	23.61	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	24.62	24.08	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	24.38	23.84	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	23.38	22.84	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	24.17	23.63	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	24.49	23.95	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	24.1	23.56	34.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	23.42	22.88	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	23.17	22.63	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	23.98	23.44	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	23.7	23.16	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	22.39	21.85	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	23.56	23.02	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	24.14	23.6	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	23.53	22.99	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	22.34	21.8	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	23.48	22.94	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	23.76	23.22	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	23.61	23.07	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	22.42	21.88	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.15	22.61	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	24.28	23.74	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	24.27	23.73	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	23.18	22.64	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.42	22.88	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	24.45	23.91	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	24.17	23.63	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	23.13	22.59	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.41	22.87	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	24.48	23.94	34.77	PASS

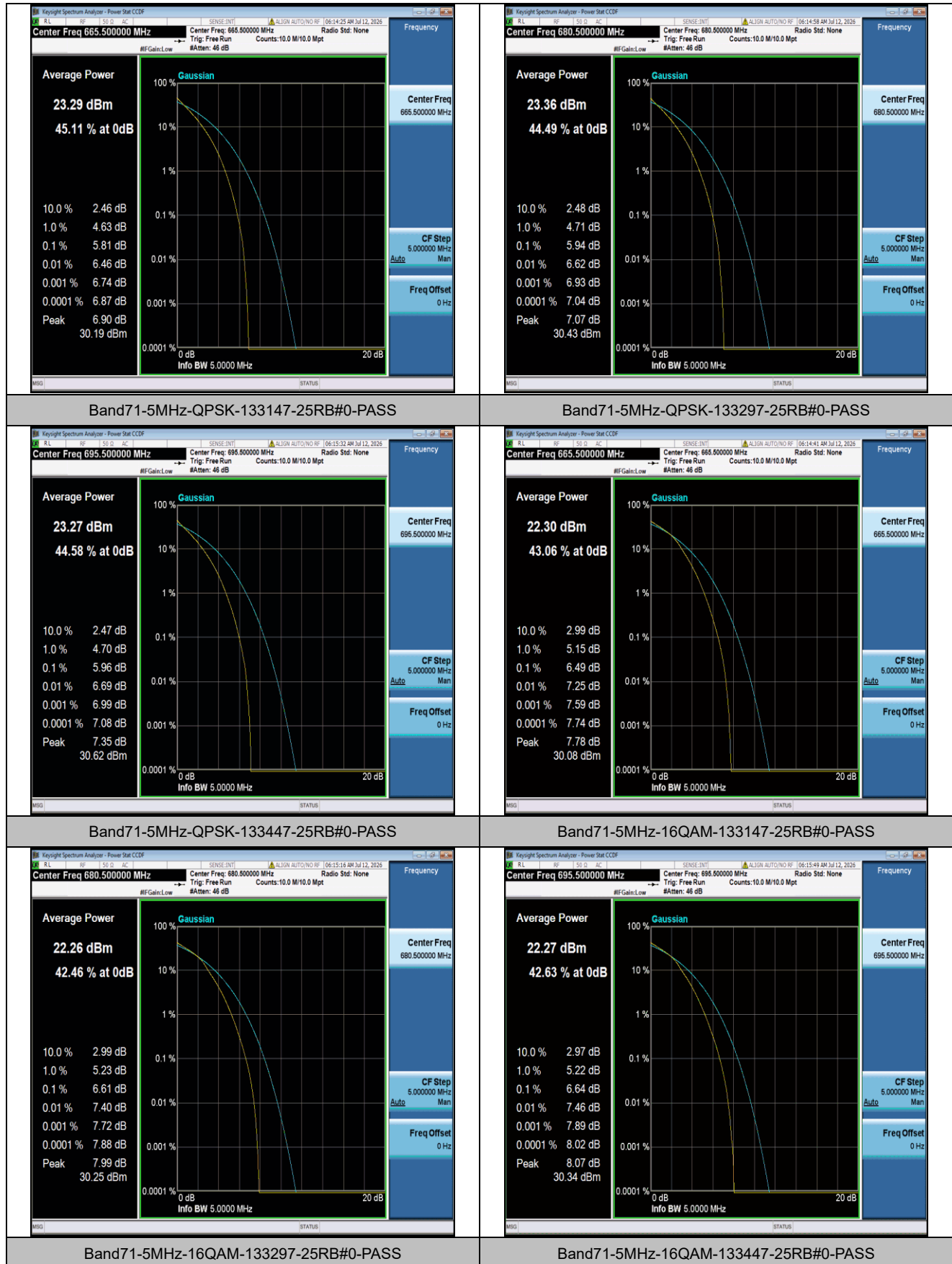
Band71	20MHz	QPSK	133372	1RB#99	24.02	23.48	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	23.25	22.71	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.75	22.21	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.93	23.39	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	23.47	22.93	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	22.24	21.7	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.74	22.2	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	23.28	22.74	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	23.32	22.78	34.77	PASS
Band71	20MHz	16QAM	133322	100RB#0	22.32	21.78	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.78	22.24	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	23.91	23.37	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	23.54	23	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	22.13	21.59	34.77	PASS

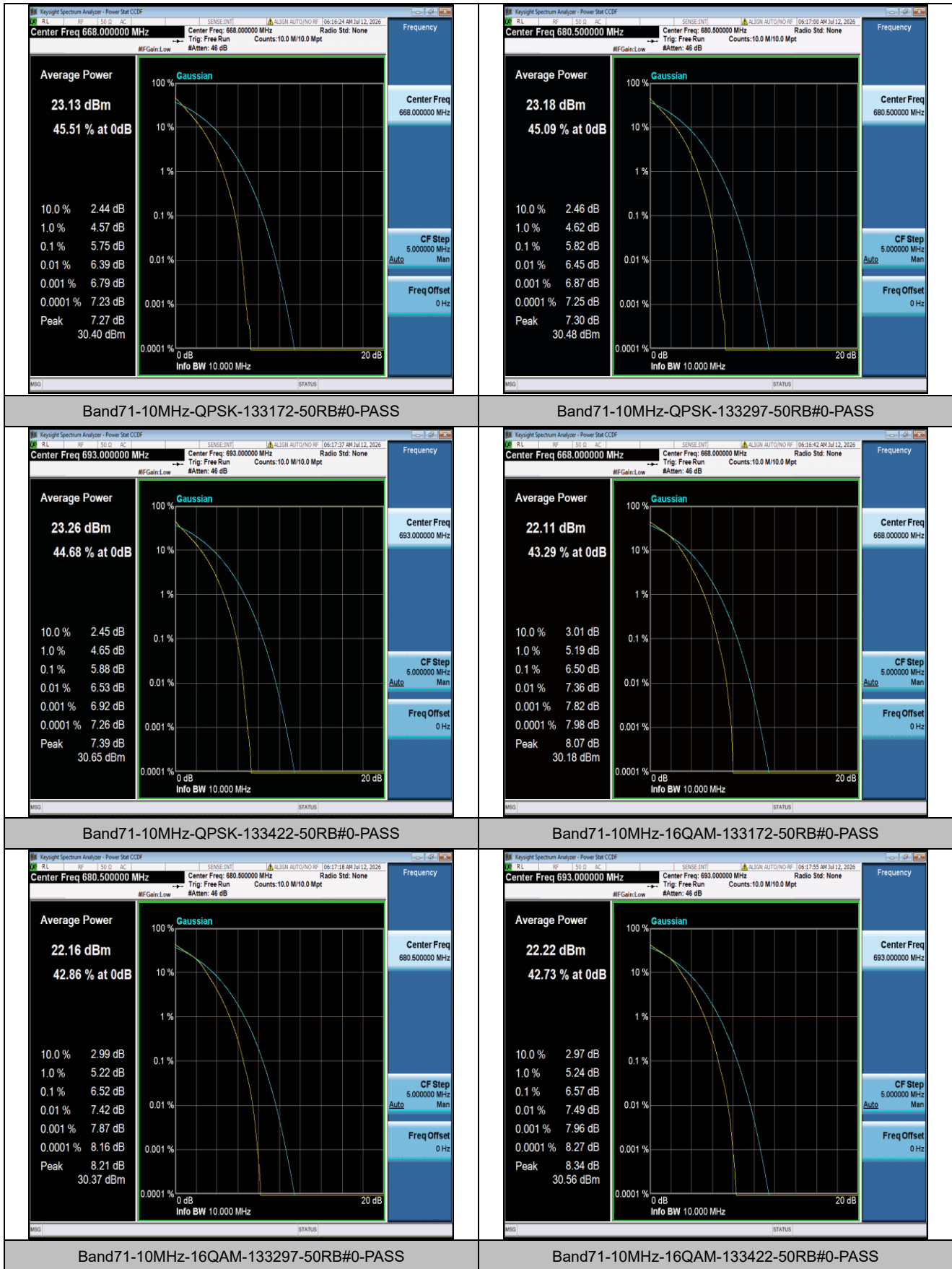
Peak-to-Average Ratio(CCDF)

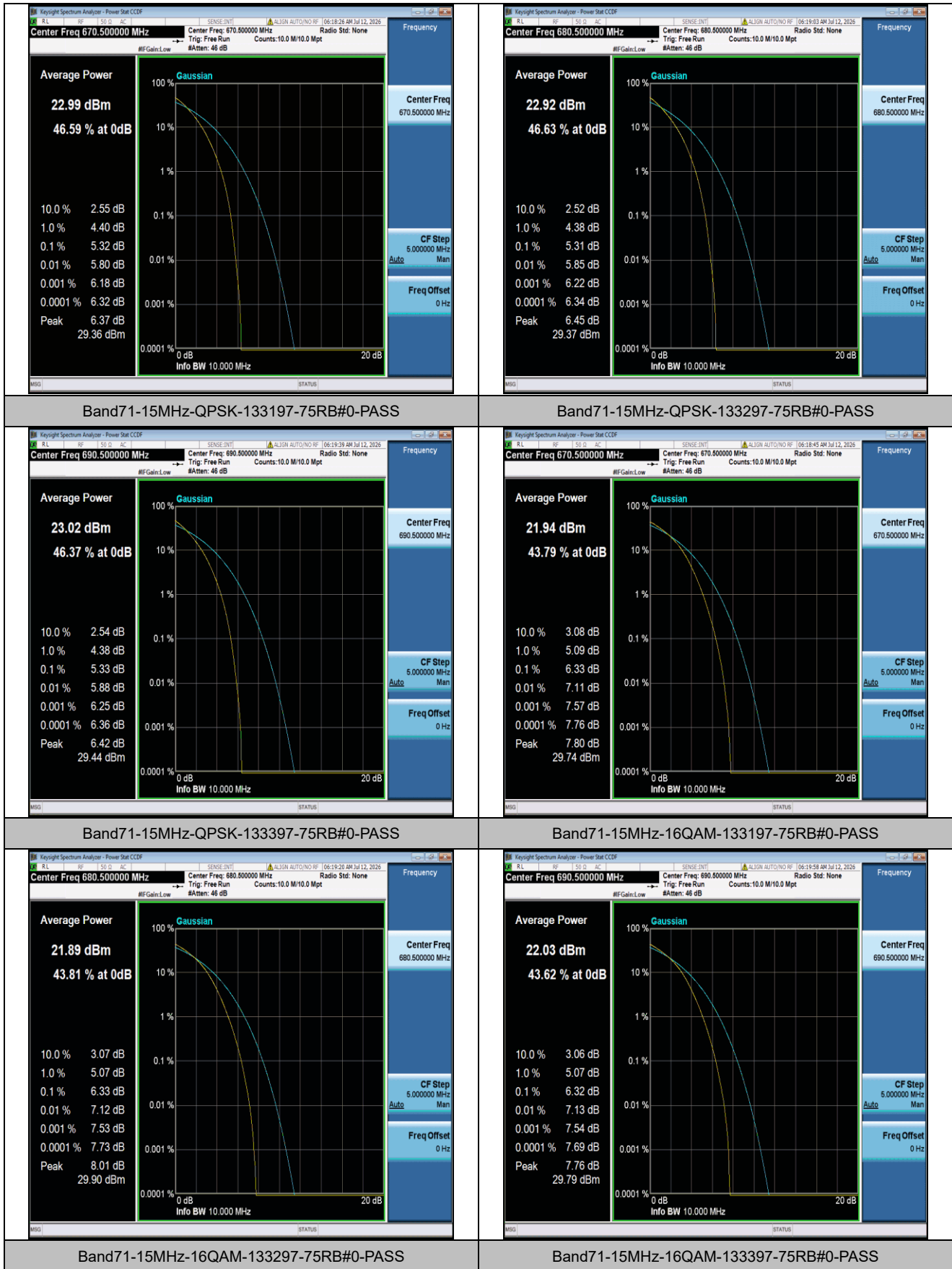
Test Result

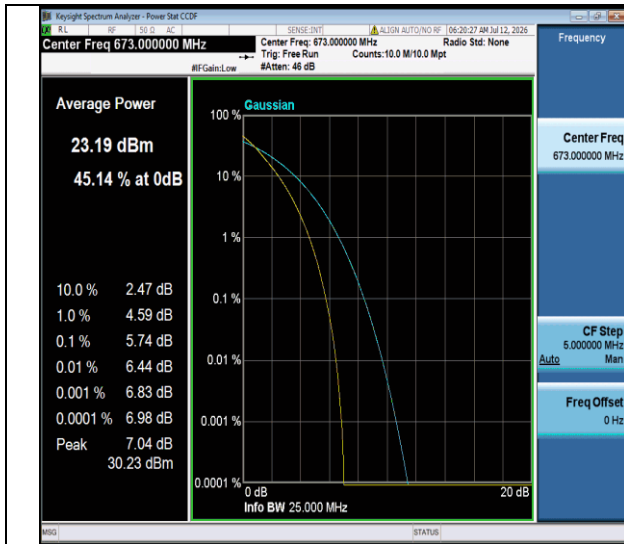
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	5.81	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.94	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.96	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.49	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.61	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.64	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.75	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.82	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.88	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.50	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.52	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.57	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.32	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.31	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.33	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.33	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.33	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.32	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.74	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.66	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.67	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.56	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.52	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.51	13	PASS

Test Graphs

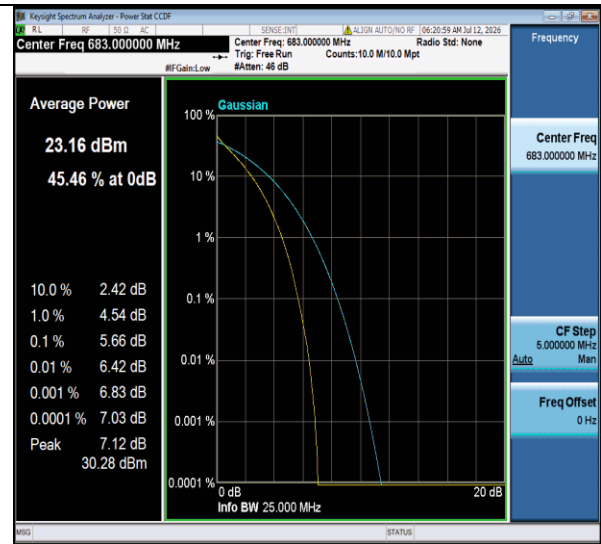




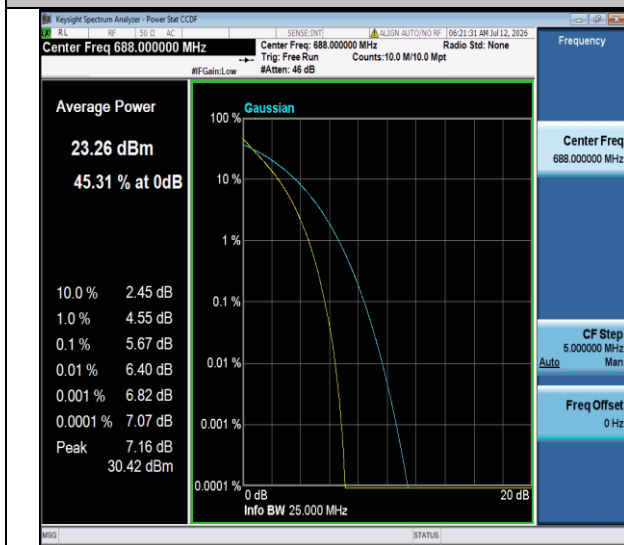




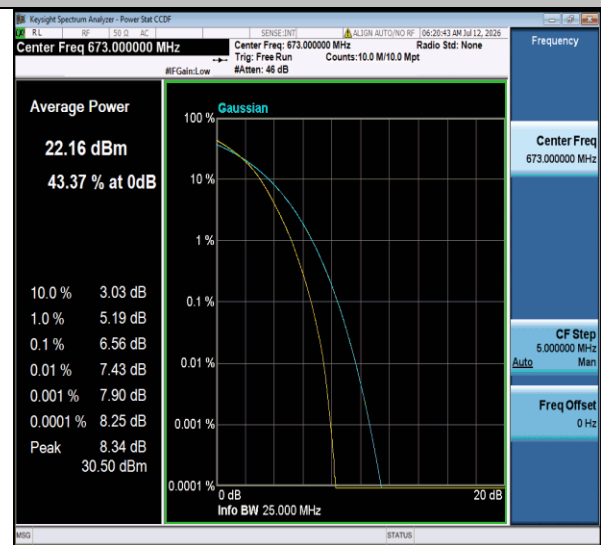
Band71-20MHz-QPSK-133222-100RB#0-PASS



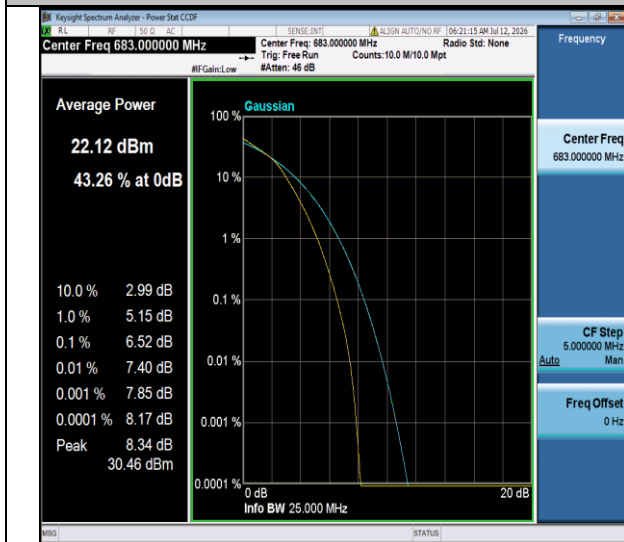
Band71-20MHz-QPSK-133322-100RB#0-PASS



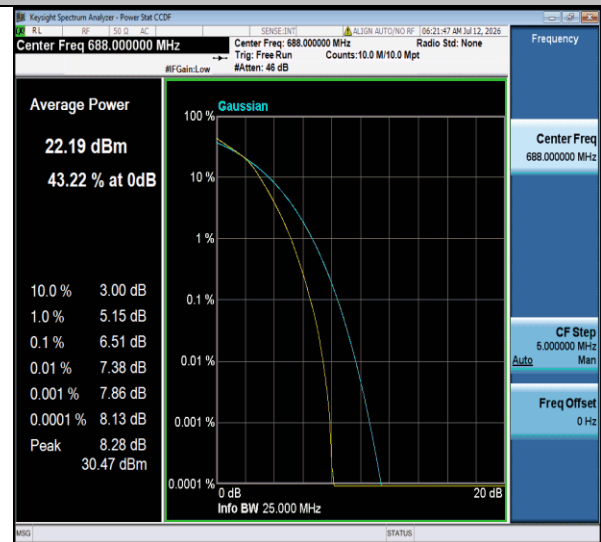
Band71-20MHz-QPSK-133372-100RB#0-PASS



Band71-20MHz-16QAM-133222-100RB#0-PASS



Band71-20MHz-16QAM-133322-100RB#0-PASS



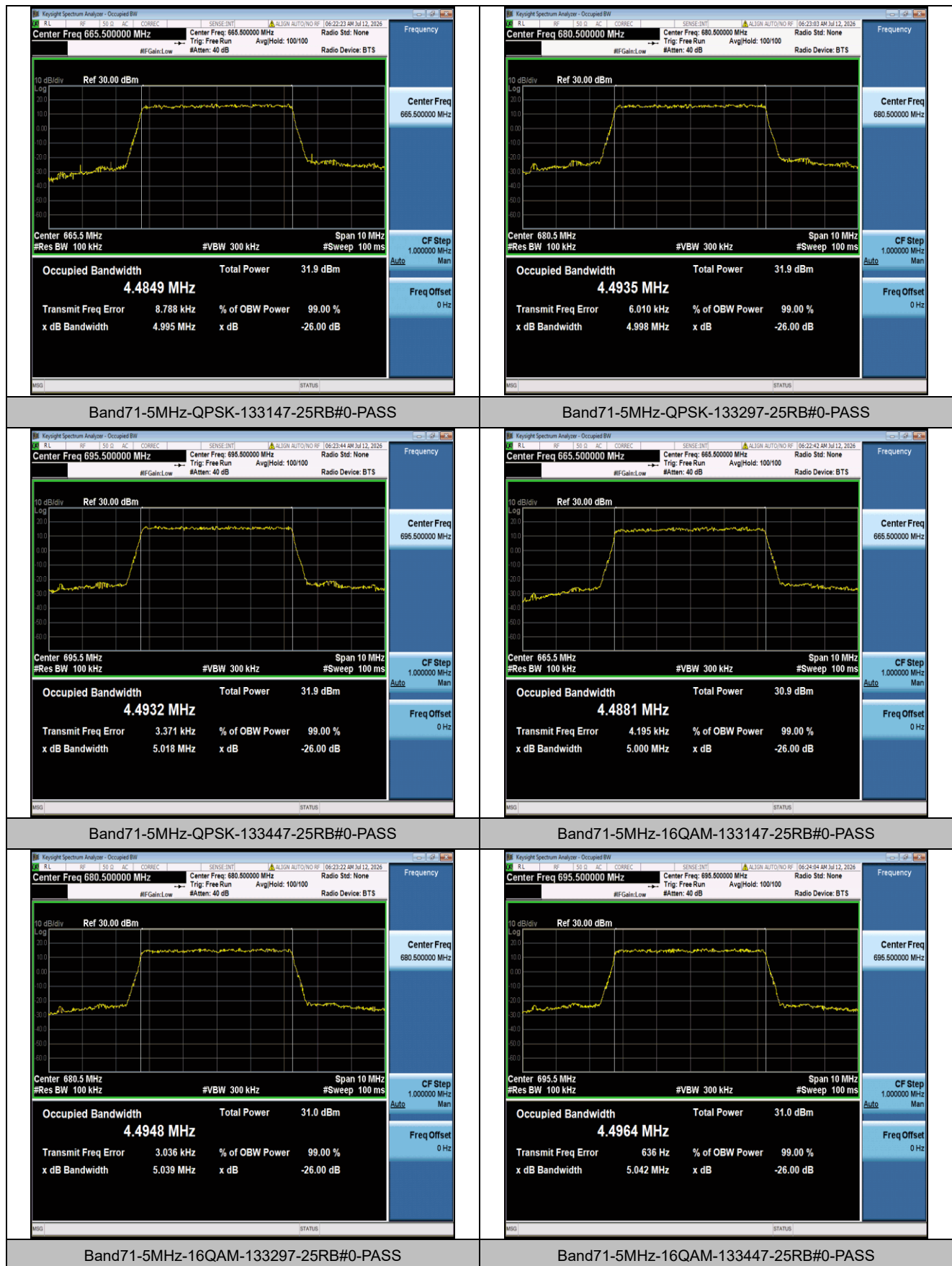
Band71-20MHz-16QAM-133372-100RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

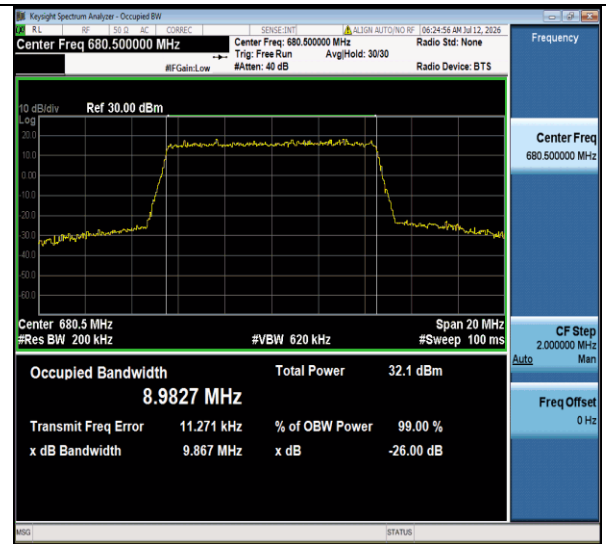
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.4849	4.995	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.4935	4.998	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.4932	5.018	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.4881	5.000	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.4948	5.039	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.4964	5.042	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9768	9.829	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9827	9.867	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9854	9.814	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9431	9.775	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9471	9.793	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9694	9.861	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.449	14.71	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.471	14.71	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.498	14.70	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.456	14.79	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.450	14.82	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.464	14.83	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.979	19.57	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.986	19.40	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.952	19.54	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.955	19.49	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.913	19.46	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.939	19.42	PASS

Test Graphs





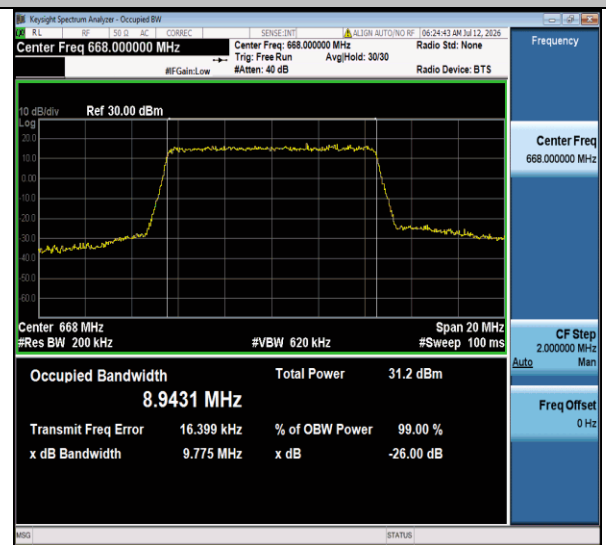
Band71-10MHz-QPSK-133172-50RB#0-PASS



Band71-10MHz-QPSK-133297-50RB#0-PASS



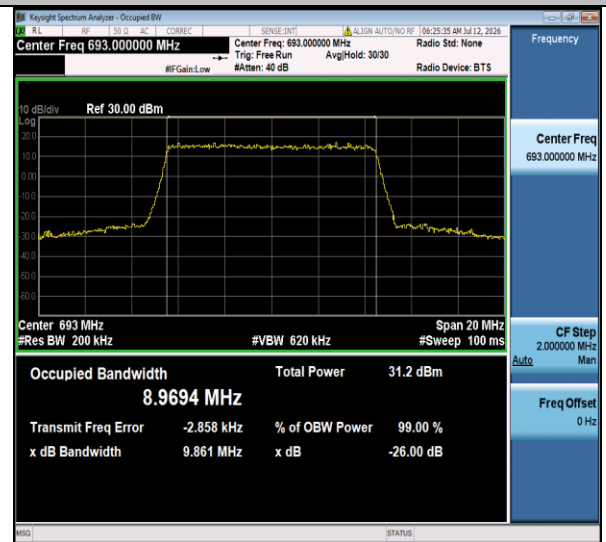
Band71-10MHz-QPSK-133422-50RB#0-PASS



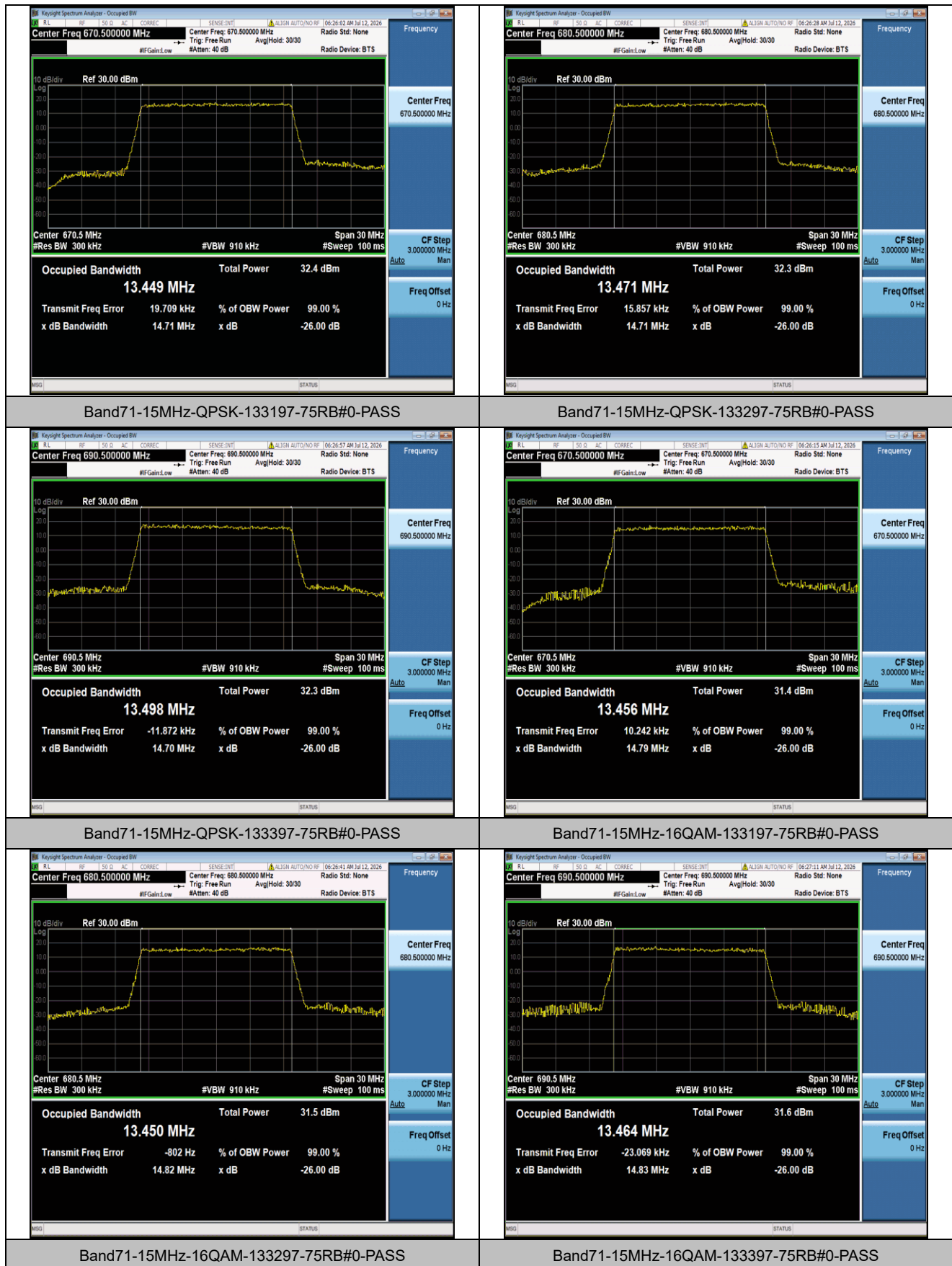
Band71-10MHz-16QAM-133172-50RB#0-PASS

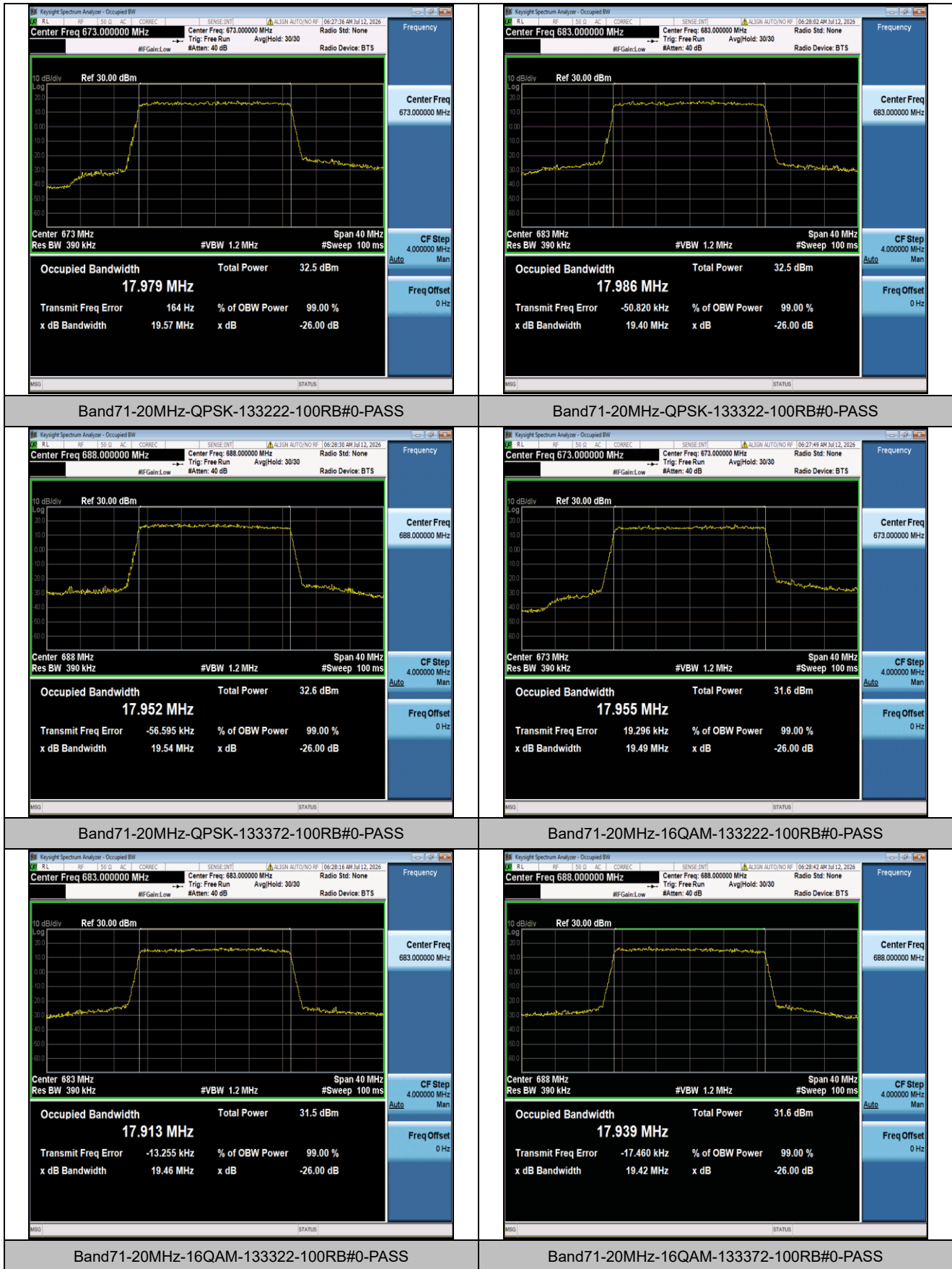


Band71-10MHz-16QAM-133297-50RB#0-PASS



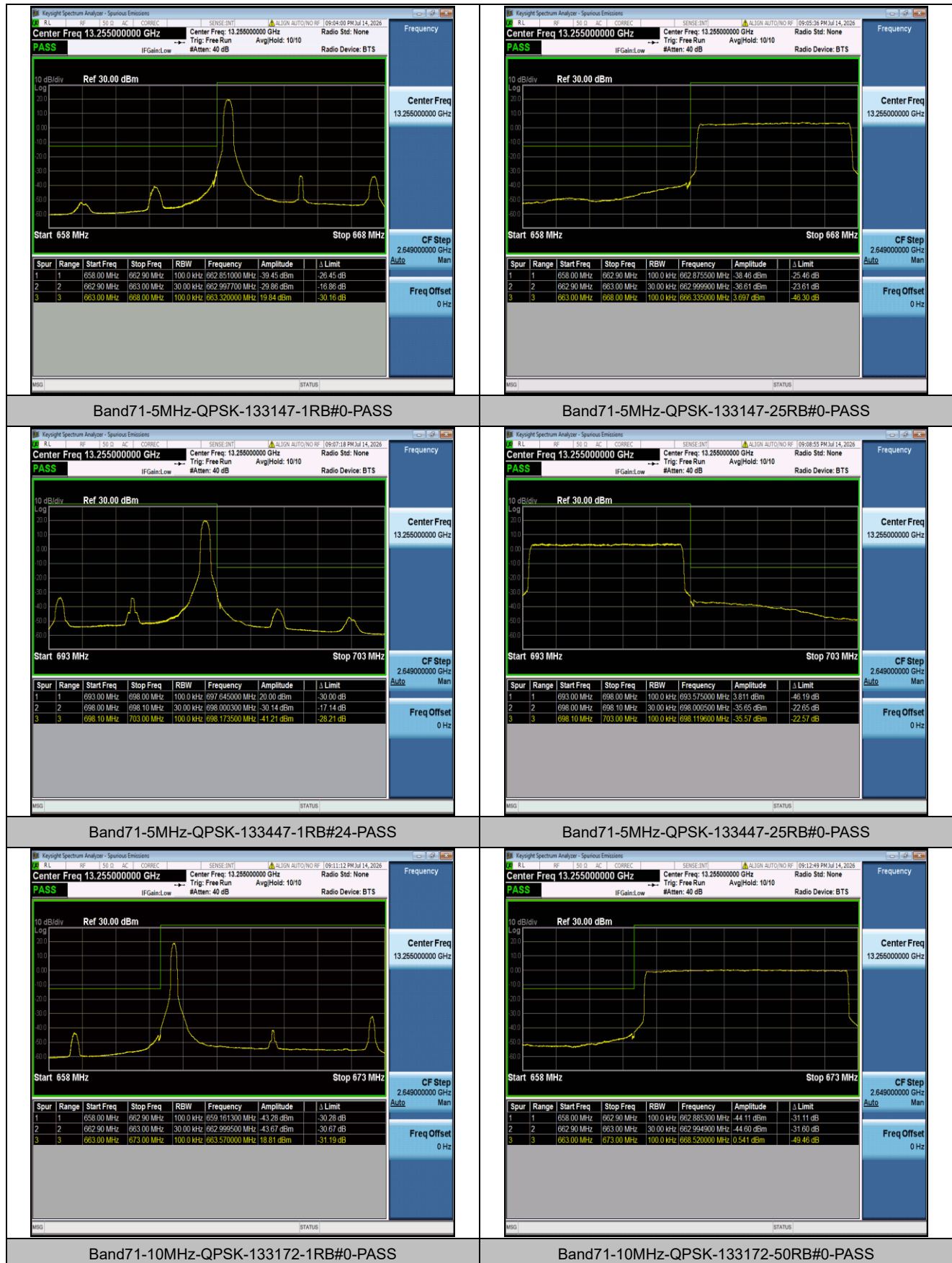
Band71-10MHz-16QAM-133422-50RB#0-PASS

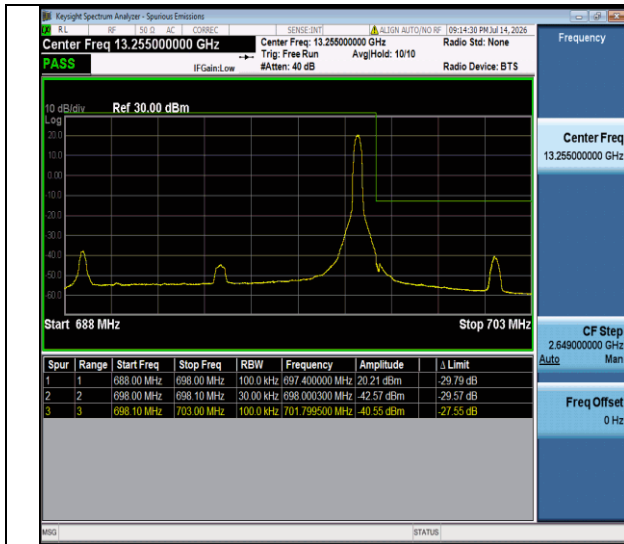




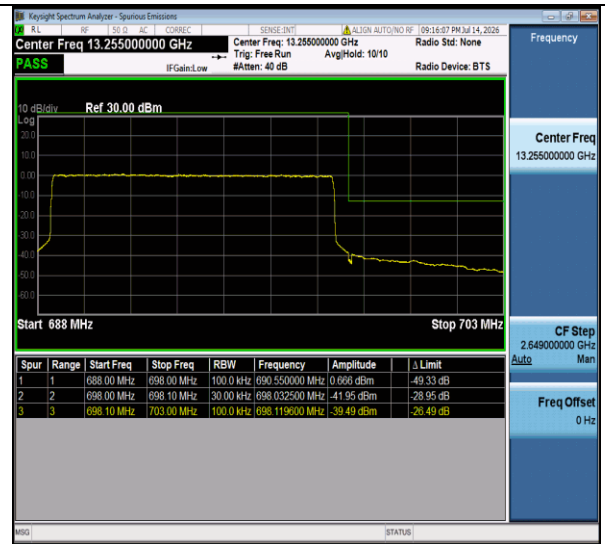
Band Edge

Test Graphs

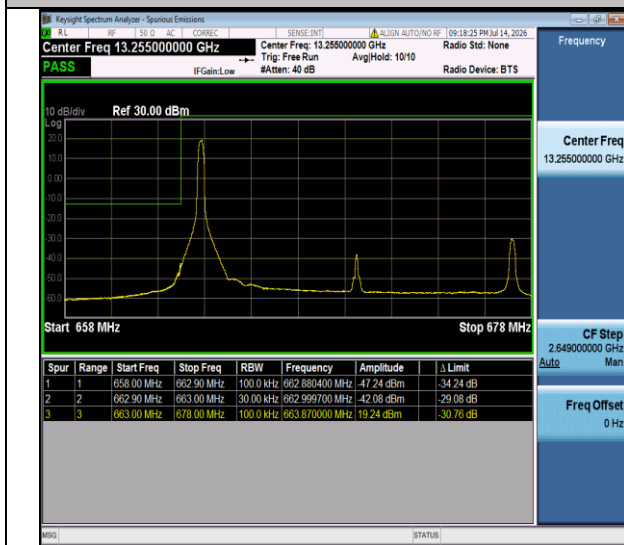




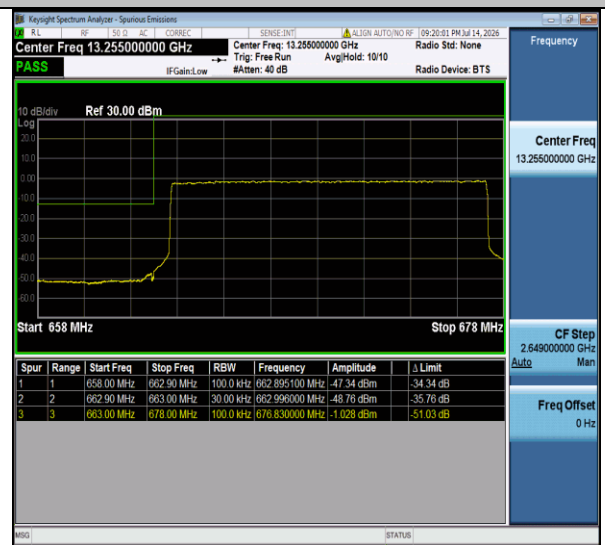
Band71-10MHz-QPSK-133422-1RB#49-PASS



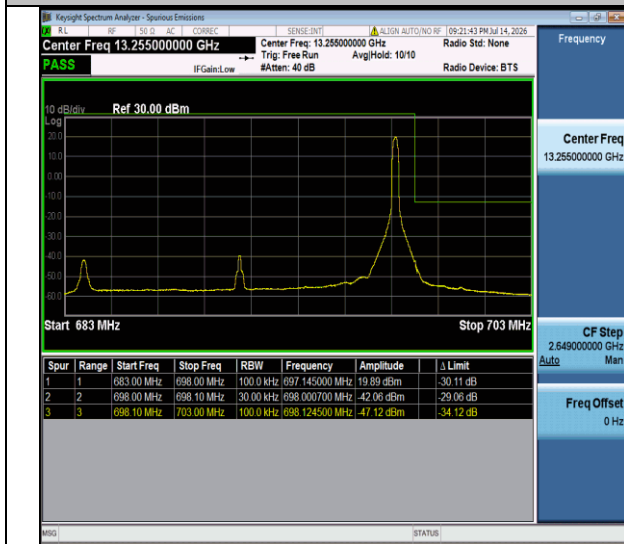
Band71-10MHz-QPSK-133422-50RB#0-PASS



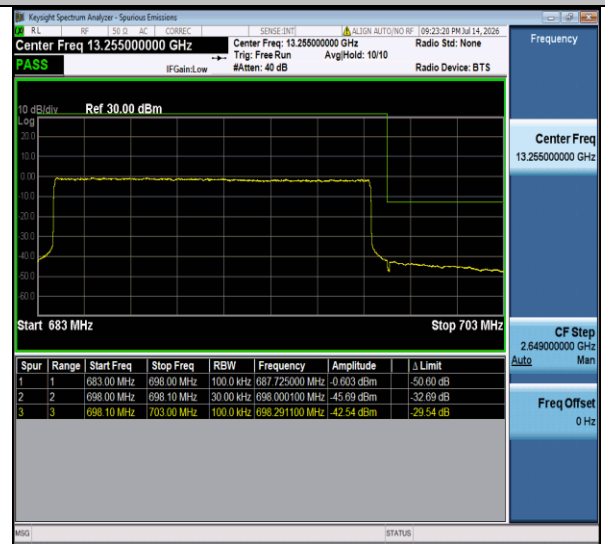
Band71-15MHz-QPSK-133197-1RB#0-PASS



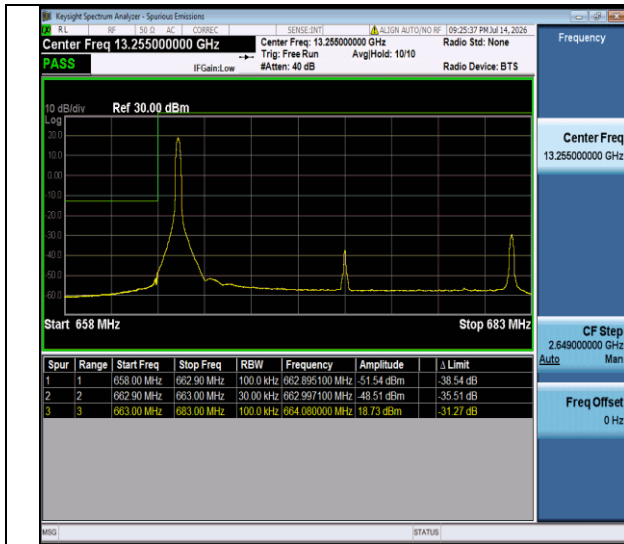
Band71-15MHz-QPSK-133197-75RB#0-PASS



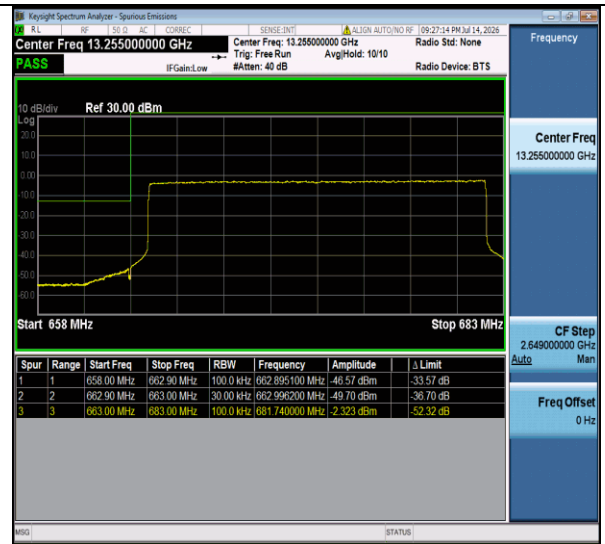
Band71-15MHz-QPSK-133397-1RB#74-PASS



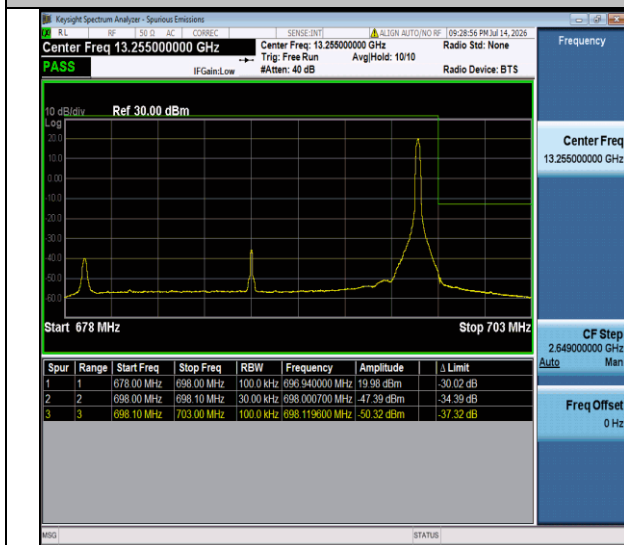
Band71-15MHz-QPSK-133397-75RB#0-PASS



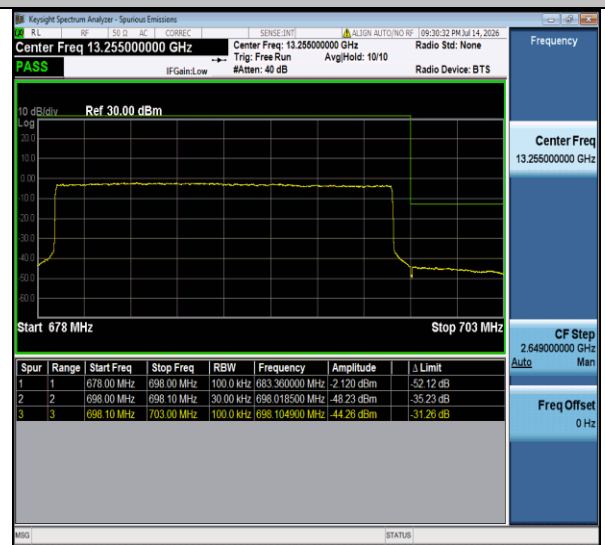
Band71-20MHz-QPSK-133222-1RB#0-PASS



Band71-20MHz-QPSK-133222-100RB#0-PASS



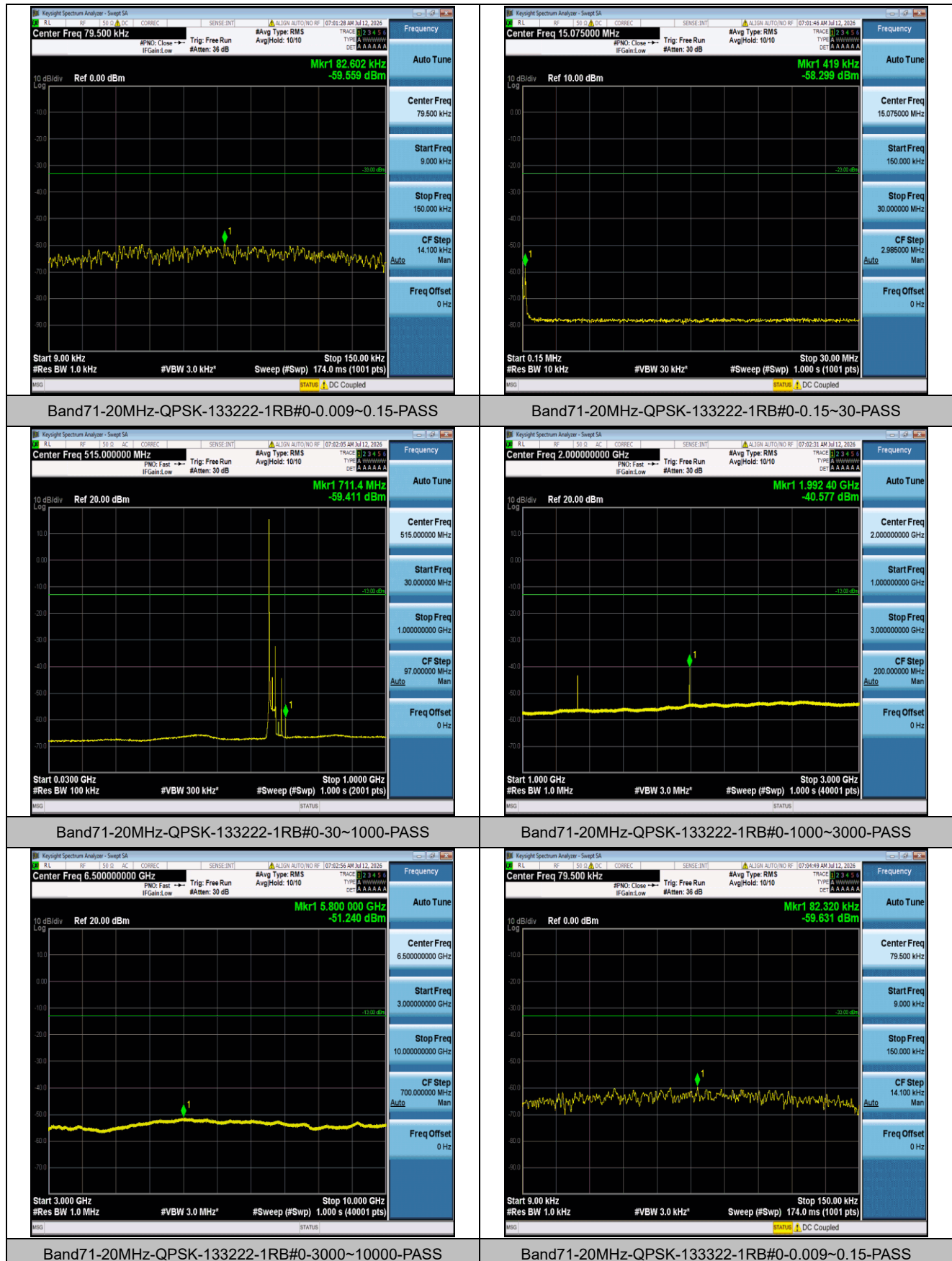
Band71-20MHz-QPSK-133372-1RB#99-PASS

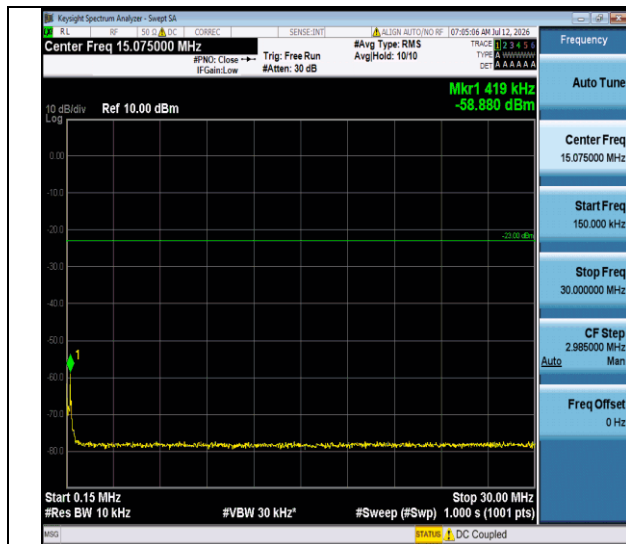


Band71-20MHz-QPSK-133372-100RB#0-PASS

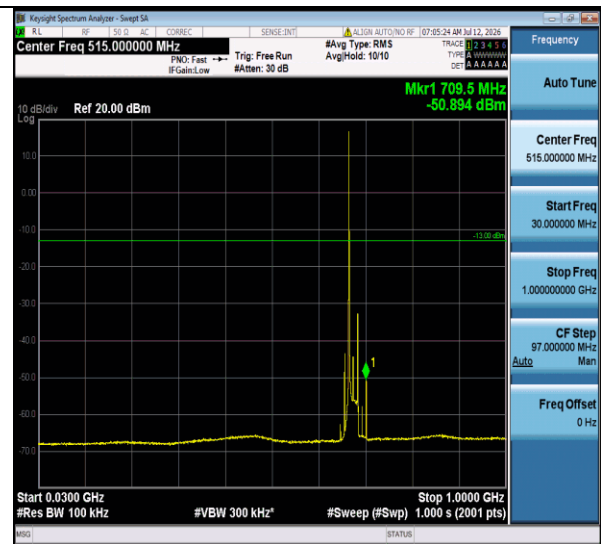
Conducted Spurious Emission

Test Graphs

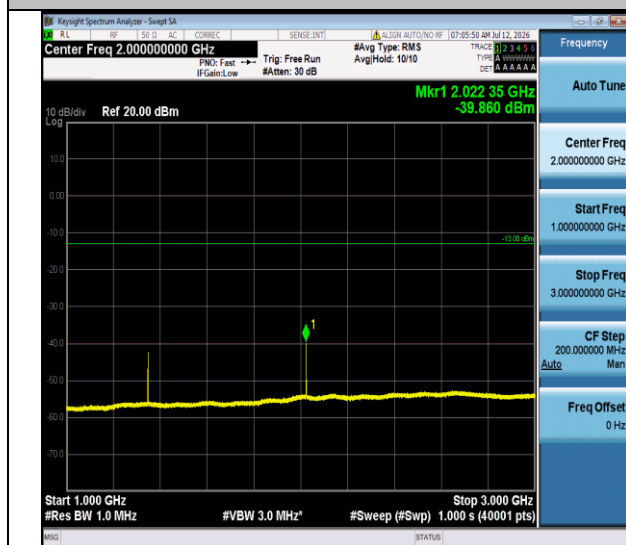




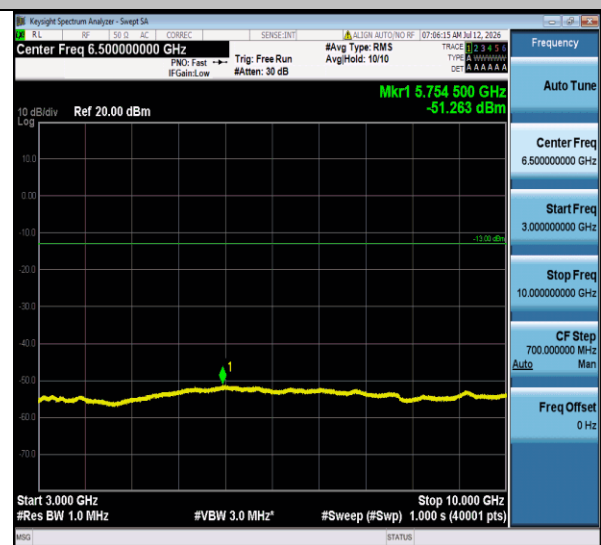
Band71-20MHz-QPSK-133322-1RB#0-0.15~30-PASS



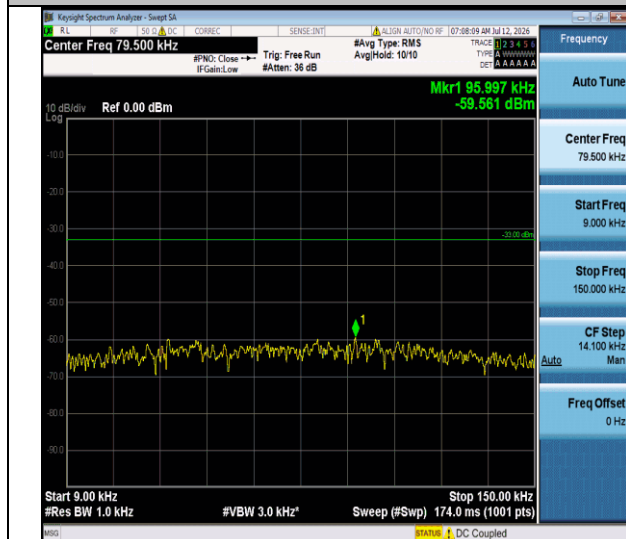
Band71-20MHz-QPSK-133322-1RB#0-30~1000-PASS



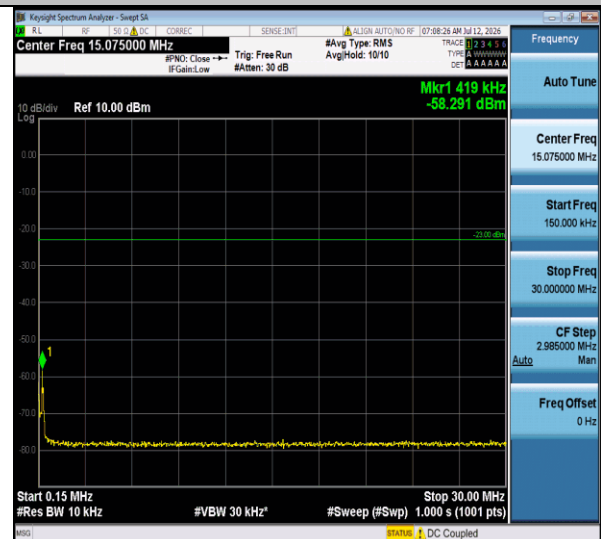
Band71-20MHz-QPSK-133322-1RB#0-1000~3000-PASS



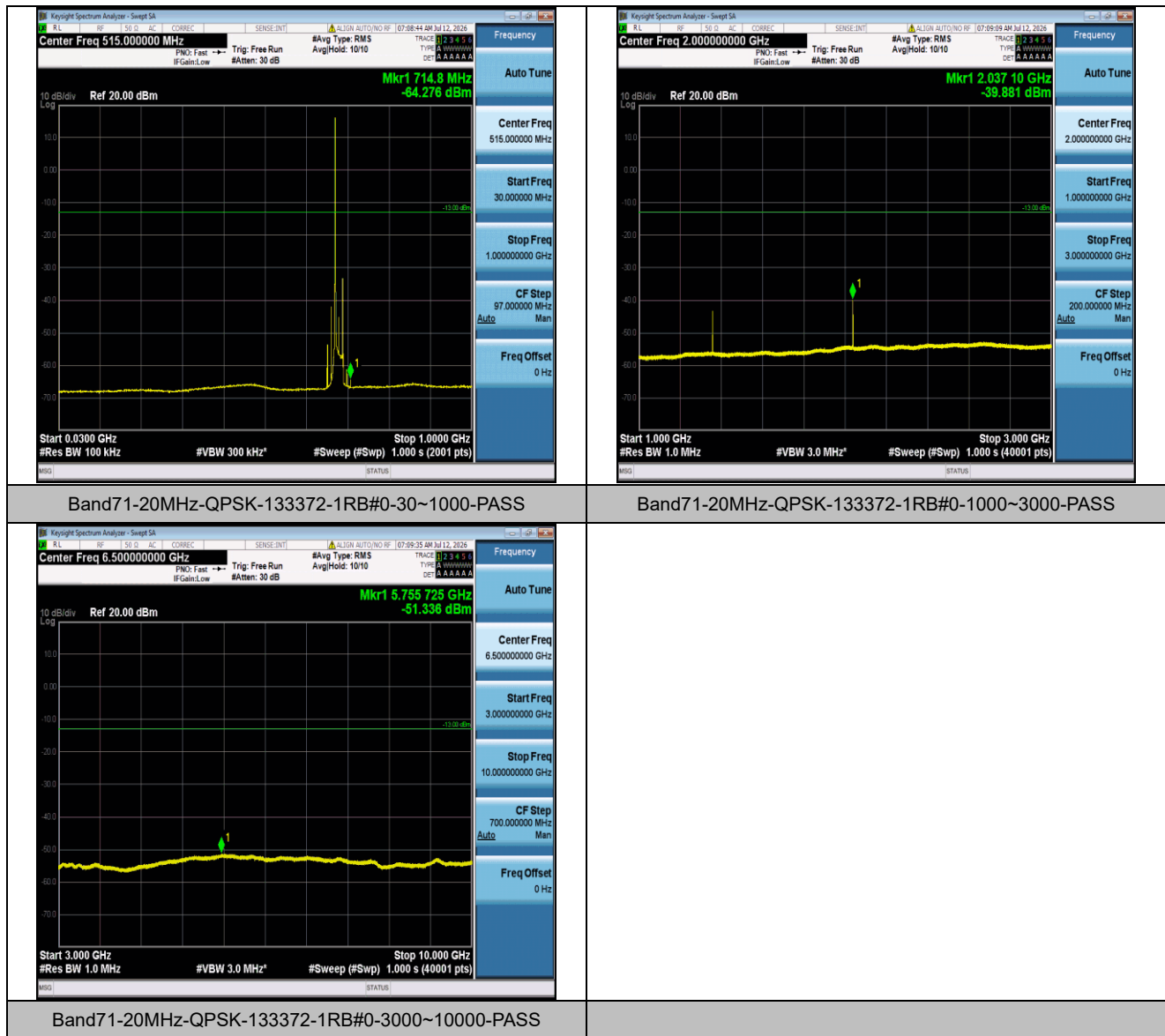
Band71-20MHz-QPSK-133322-1RB#0-3000~10000-PASS



Band71-20MHz-QPSK-133372-1RB#0-0.009~0.15-PASS



Band71-20MHz-QPSK-133372-1RB#0-0.15~30-PASS



Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	VN	NT	2.70	0.003953	PASS
Band71	20MHz	QPSK	133322	100RB#0	VL	NT	1.60	0.002343	PASS
Band71	20MHz	QPSK	133322	100RB#0	VH	NT	2.20	0.003221	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band71	20MHz	QPSK	133322	100RB#0	NV	-30	2.50	0.003660	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-20	1.10	0.001611	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	-10	2.50	0.003660	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	0	3.10	0.004539	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	10	1.30	0.001903	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	20	2.60	0.003807	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	30	3.00	0.004392	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	40	2.90	0.004246	PASS
Band71	20MHz	QPSK	133322	100RB#0	NV	50	3.10	0.004539	PASS

~The End~