

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Gain (dBi)	EIRP/ERP (dBm)	Limit (dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	22.9	1.5	22.25	34.8	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.31	1.5	21.66	34.8	PASS
Band71	5MHz	QPSK	133147	1RB#12	22.92	1.5	22.27	34.8	PASS
Band71	5MHz	QPSK	133147	1RB#24	22.91	1.5	22.26	34.8	PASS
Band71	5MHz	QPSK	133297	1RB#0	23.07	1.5	22.42	34.8	PASS
Band71	5MHz	QPSK	133297	25RB#0	22.31	1.5	21.66	34.8	PASS
Band71	5MHz	QPSK	133297	1RB#12	23.07	1.5	22.42	34.8	PASS
Band71	5MHz	QPSK	133297	1RB#24	23.04	1.5	22.39	34.8	PASS
Band71	5MHz	QPSK	133447	1RB#0	22.87	1.5	22.22	34.8	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.37	1.5	21.72	34.8	PASS
Band71	5MHz	QPSK	133447	1RB#12	22.87	1.5	22.22	34.8	PASS
Band71	5MHz	QPSK	133447	1RB#24	22.9	1.5	22.25	34.8	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.14	1.5	21.49	34.8	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.25	1.5	20.6	34.8	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.14	1.5	21.49	34.8	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.03	1.5	21.38	34.8	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.34	1.5	21.69	34.8	PASS
Band71	5MHz	16QAM	133297	25RB#0	21.11	1.5	20.46	34.8	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.37	1.5	21.72	34.8	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.32	1.5	21.67	34.8	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.08	1.5	21.43	34.8	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.29	1.5	20.64	34.8	PASS
Band71	5MHz	16QAM	133447	1RB#12	21.89	1.5	21.24	34.8	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.03	1.5	21.38	34.8	PASS
Band71	10MHz	QPSK	133172	1RB#0	22.92	1.5	22.27	34.8	PASS
Band71	10MHz	QPSK	133172	50RB#0	22.41	1.5	21.76	34.8	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.07	1.5	22.42	34.8	PASS
Band71	10MHz	QPSK	133172	1RB#49	22.93	1.5	22.28	34.8	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.06	1.5	22.41	34.8	PASS
Band71	10MHz	QPSK	133297	50RB#0	22.41	1.5	21.76	34.8	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.93	1.5	22.28	34.8	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.94	1.5	22.29	34.8	PASS
Band71	10MHz	QPSK	133422	1RB#0	22.79	1.5	22.14	34.8	PASS

Band71	10MHz	QPSK	133422	50RB#0	22.39	1.5	21.74	34.8	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.9	1.5	22.25	34.8	PASS
Band71	10MHz	QPSK	133422	1RB#49	22.81	1.5	22.16	34.8	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.35	1.5	21.7	34.8	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.37	1.5	20.72	34.8	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.28	1.5	21.63	34.8	PASS
Band71	10MHz	16QAM	133172	1RB#49	21.98	1.5	21.33	34.8	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.71	1.5	22.06	34.8	PASS
Band71	10MHz	16QAM	133297	50RB#0	21.45	1.5	20.8	34.8	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.5	1.5	21.85	34.8	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.55	1.5	21.9	34.8	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.32	1.5	21.67	34.8	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.38	1.5	20.73	34.8	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.34	1.5	21.69	34.8	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.34	1.5	21.69	34.8	PASS
Band71	15MHz	QPSK	133197	1RB#0	22.84	1.5	22.19	34.8	PASS
Band71	15MHz	QPSK	133197	75RB#0	22.43	1.5	21.78	34.8	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.87	1.5	22.22	34.8	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.97	1.5	22.32	34.8	PASS
Band71	15MHz	QPSK	133297	1RB#0	23.37	1.5	22.72	34.8	PASS
Band71	15MHz	QPSK	133297	75RB#0	22.35	1.5	21.7	34.8	PASS
Band71	15MHz	QPSK	133297	1RB#38	23.2	1.5	22.55	34.8	PASS
Band71	15MHz	QPSK	133297	1RB#74	23.04	1.5	22.39	34.8	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.77	1.5	22.12	34.8	PASS
Band71	15MHz	QPSK	133397	75RB#0	22.42	1.5	21.77	34.8	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.9	1.5	22.25	34.8	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.95	1.5	22.3	34.8	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.3	1.5	21.65	34.8	PASS
Band71	15MHz	16QAM	133197	75RB#0	21.39	1.5	20.74	34.8	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.28	1.5	21.63	34.8	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.57	1.5	21.92	34.8	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.89	1.5	22.24	34.8	PASS
Band71	15MHz	16QAM	133297	75RB#0	21.38	1.5	20.73	34.8	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.89	1.5	22.24	34.8	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.86	1.5	22.21	34.8	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.27	1.5	21.62	34.8	PASS
Band71	15MHz	16QAM	133397	75RB#0	21.31	1.5	20.66	34.8	PASS
Band71	15MHz	16QAM	133397	1RB#38	22.24	1.5	21.59	34.8	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.37	1.5	21.72	34.8	PASS
Band71	20MHz	QPSK	133222	1RB#0	22.76	1.5	22.11	34.8	PASS

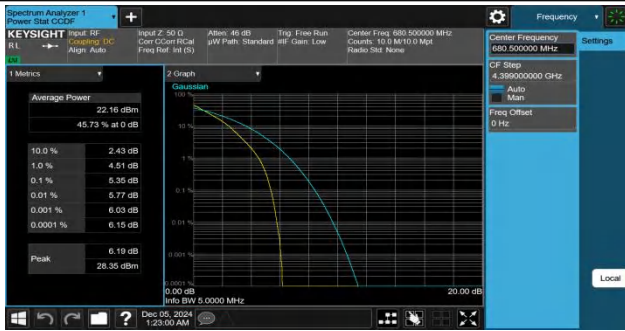
Band71	20MHz	QPSK	133222	100RB#0	22.37	1.5	21.72	34.8	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.94	1.5	22.29	34.8	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.74	1.5	22.09	34.8	PASS
Band71	20MHz	QPSK	133322	1RB#0	22.97	1.5	22.32	34.8	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.44	1.5	21.79	34.8	PASS
Band71	20MHz	QPSK	133322	1RB#49	23.3	1.5	22.65	34.8	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.95	1.5	22.3	34.8	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.98	1.5	22.33	34.8	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.41	1.5	21.76	34.8	PASS
Band71	20MHz	QPSK	133372	1RB#49	23.03	1.5	22.38	34.8	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.76	1.5	22.11	34.8	PASS
Band71	20MHz	16QAM	133222	1RB#0	23.01	1.5	22.36	34.8	PASS
Band71	20MHz	16QAM	133222	100RB#0	21.49	1.5	20.84	34.8	PASS
Band71	20MHz	16QAM	133222	1RB#49	23.12	1.5	22.47	34.8	PASS
Band71	20MHz	16QAM	133222	1RB#99	23	1.5	22.35	34.8	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.16	1.5	21.51	34.8	PASS
Band71	20MHz	16QAM	133322	100RB#0	21.46	1.5	20.81	34.8	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.26	1.5	21.61	34.8	PASS
Band71	20MHz	16QAM	133322	1RB#99	22.23	1.5	21.58	34.8	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.52	1.5	21.87	34.8	PASS
Band71	20MHz	16QAM	133372	100RB#0	21.4	1.5	20.75	34.8	PASS
Band71	20MHz	16QAM	133372	1RB#49	22.4	1.5	21.75	34.8	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.18	1.5	21.53	34.8	PASS

Peak-to-Average Ratio(CCDF)

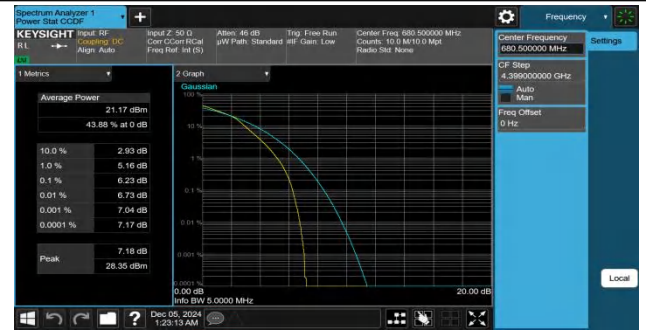
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133297	25RB#0	5.35	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.23	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.40	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.22	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.50	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.26	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.27	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.17	13	PASS

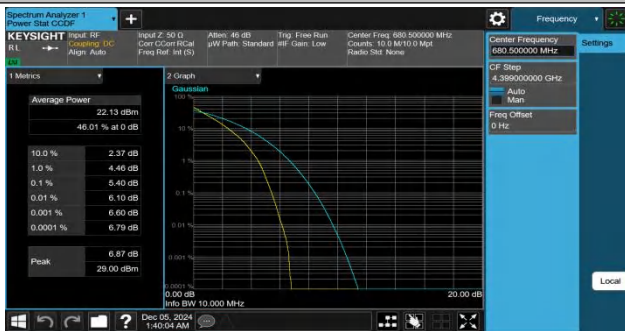
Test Graphs



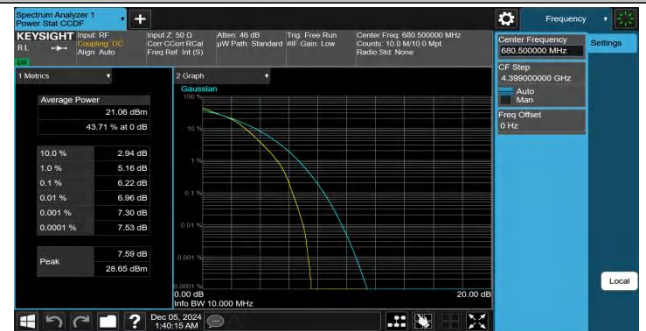
Band71-5MHz-QPSK-133297-25RB#0-PASS



Band71-5MHz-16QAM-133297-25RB#0-PASS



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



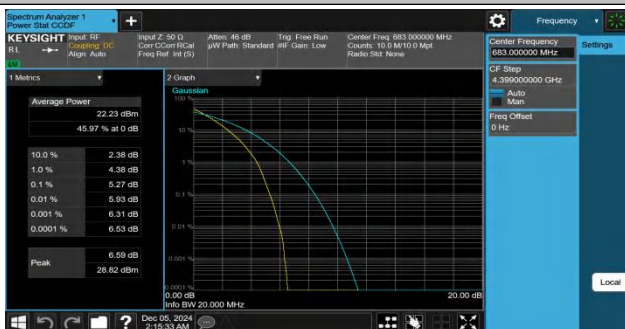
Band71-10MHz-16QAM-133297-50RB#0-PASS



Band71-15MHz-QPSK-133297-75RB#0-PASS



Band71-15MHz-16QAM-133297-75RB#0-PASS



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



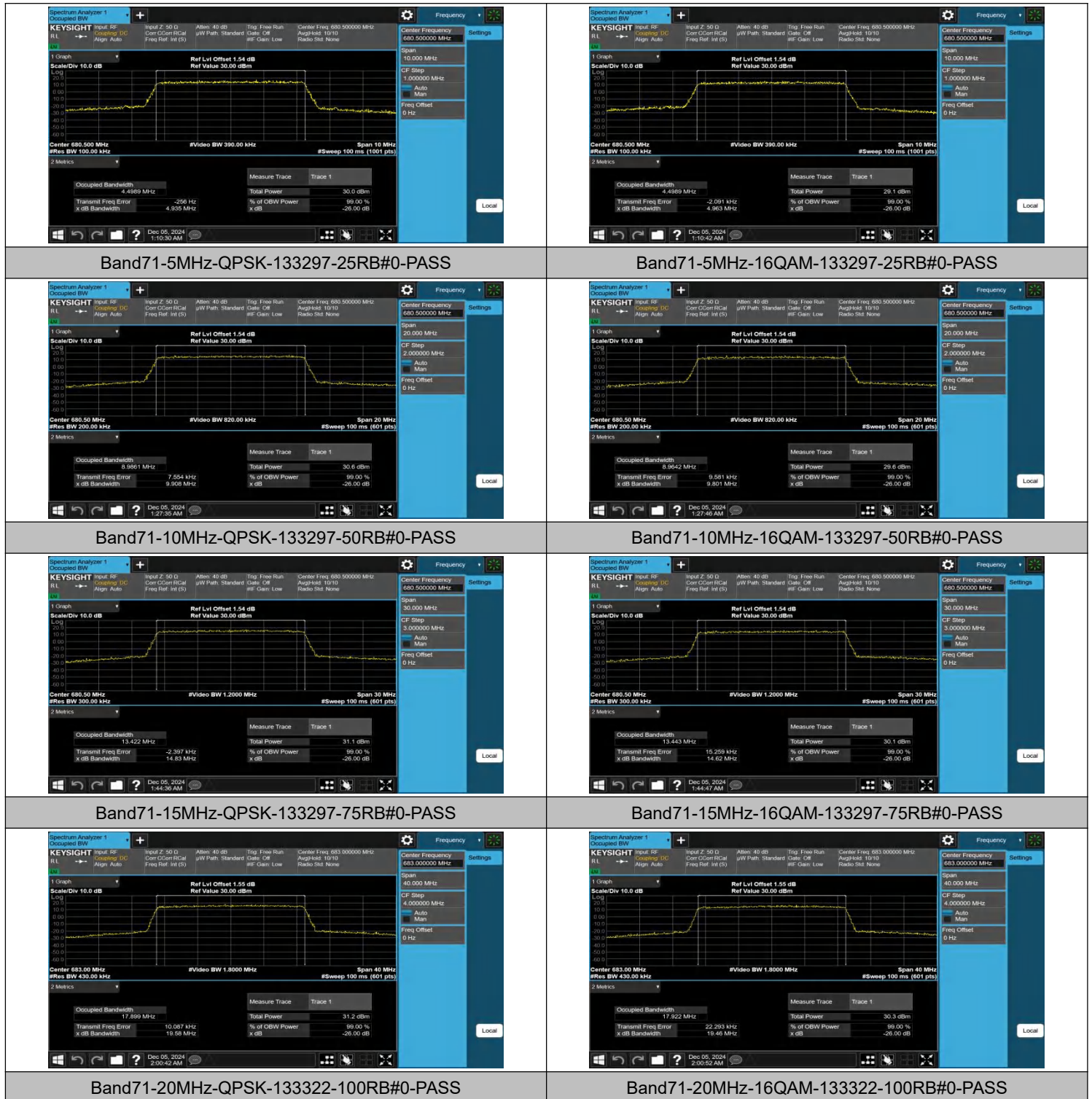
Band71-20MHz-16QAM-133322-100RB#0-PASS

26dB Bandwidth and Occupied Bandwidth

Test Result

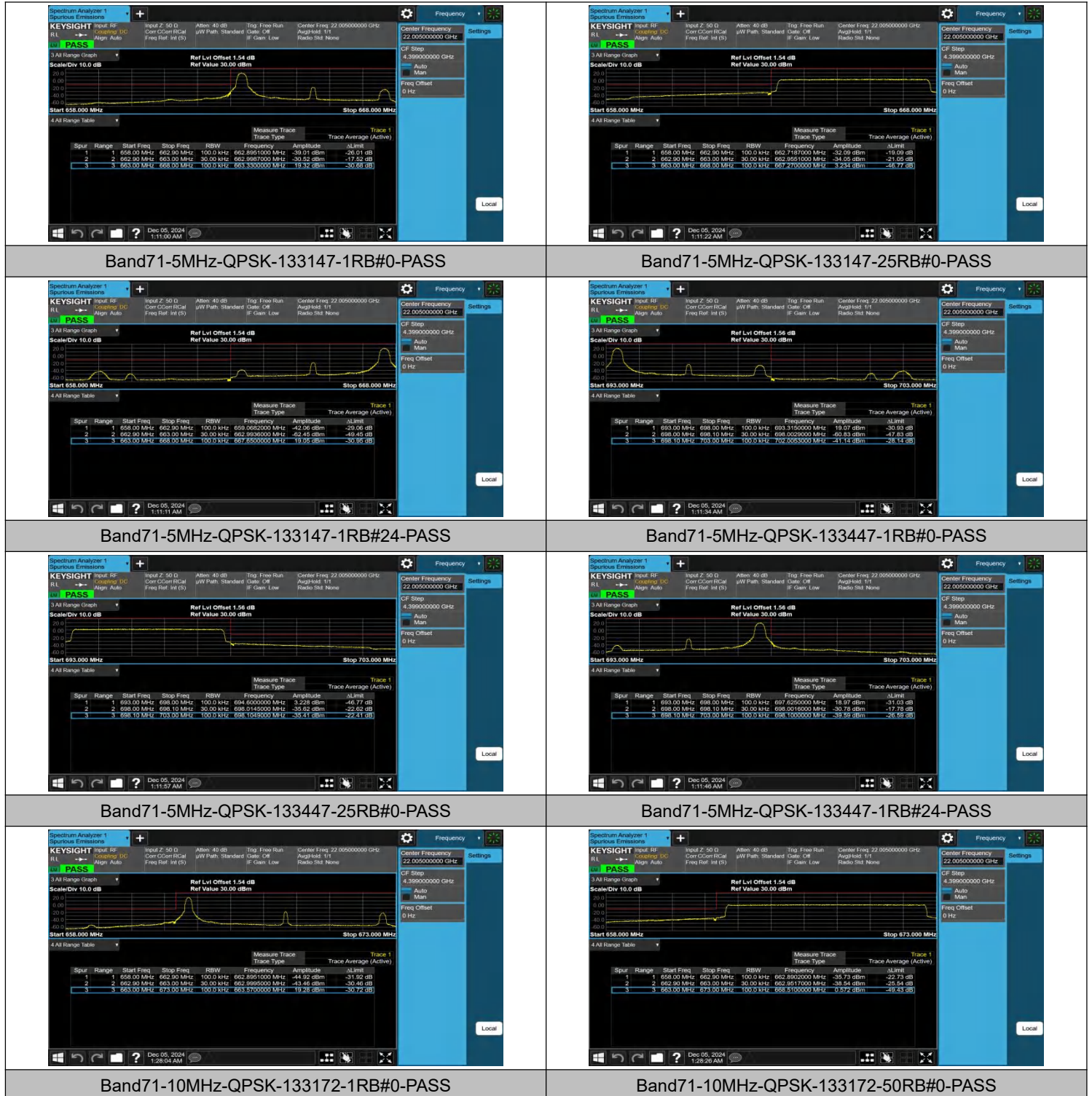
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133297	25RB#0	4.4989	4.935	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.4989	4.963	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9861	9.908	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9642	9.801	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.422	14.83	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.443	14.62	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.899	19.58	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.922	19.46	PASS

Test Graphs



Band Edge

Test Graphs

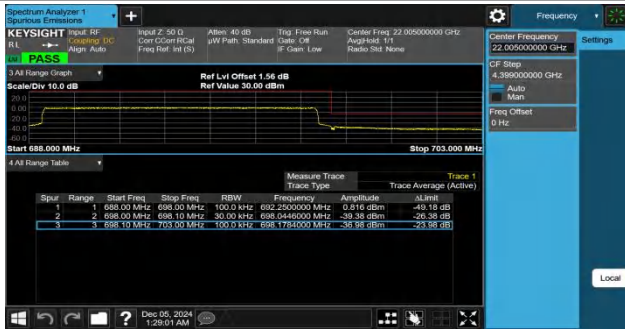




Band71-10MHz-QPSK-133172-1RB#49-PASS



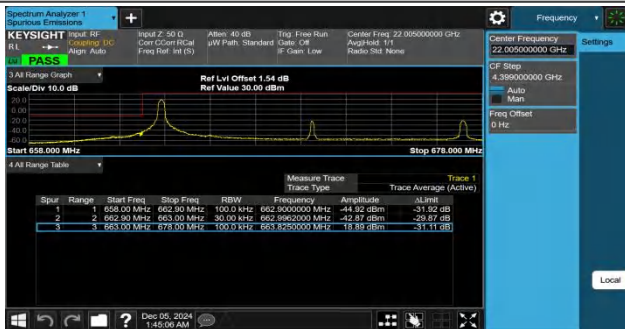
Band71-10MHz-QPSK-133422-1RB#0-PASS



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



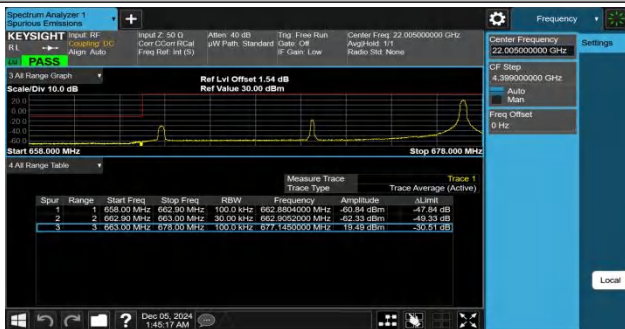
Band71-10MHz-QPSK-133422-1RB#49-PASS



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



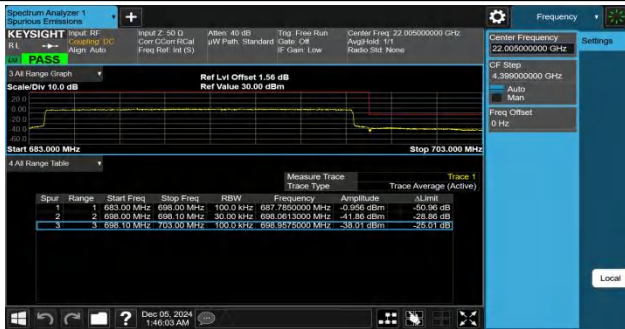
Band71-15MHz-QPSK-133197-75RB#0-PASS



Band71-15MHz-QPSK-133197-1RB#74-PASS



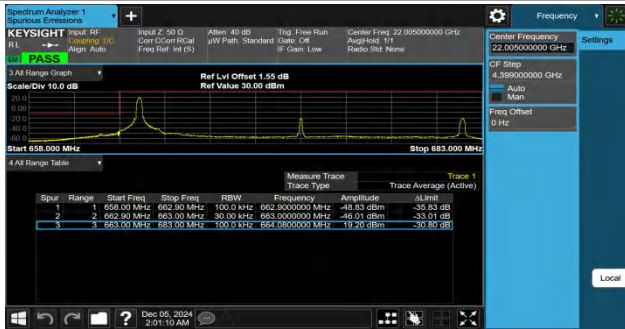
Band71-15MHz-QPSK-133397-1RB#0-PASS



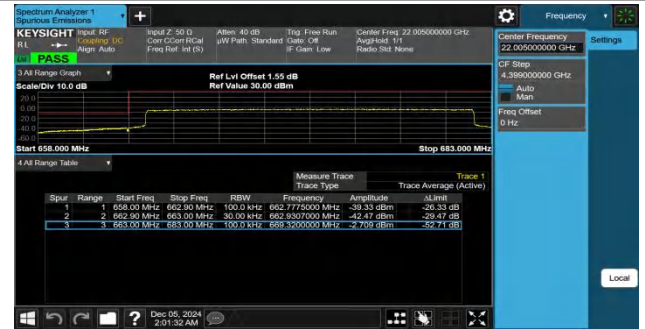
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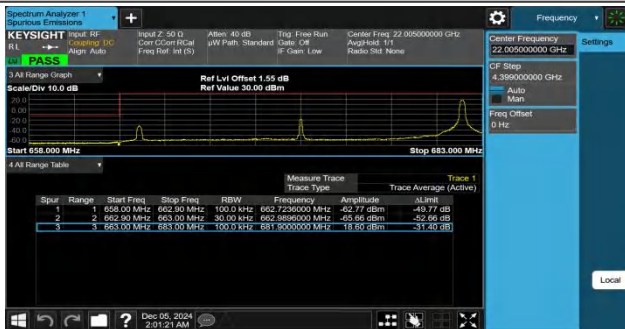
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Band71-20MHz-QPSK-133222-1RB#0-PASS



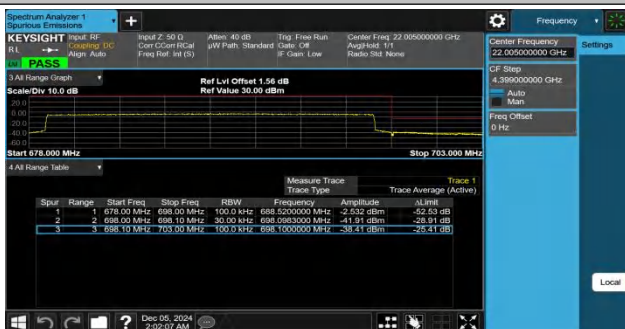
Band71-20MHz-QPSK-133222-100RB#0-PASS



Band71-20MHz-QPSK-133222-1RB#99-PASS



Band71-20MHz-QPSK-133372-1RB#0-PASS



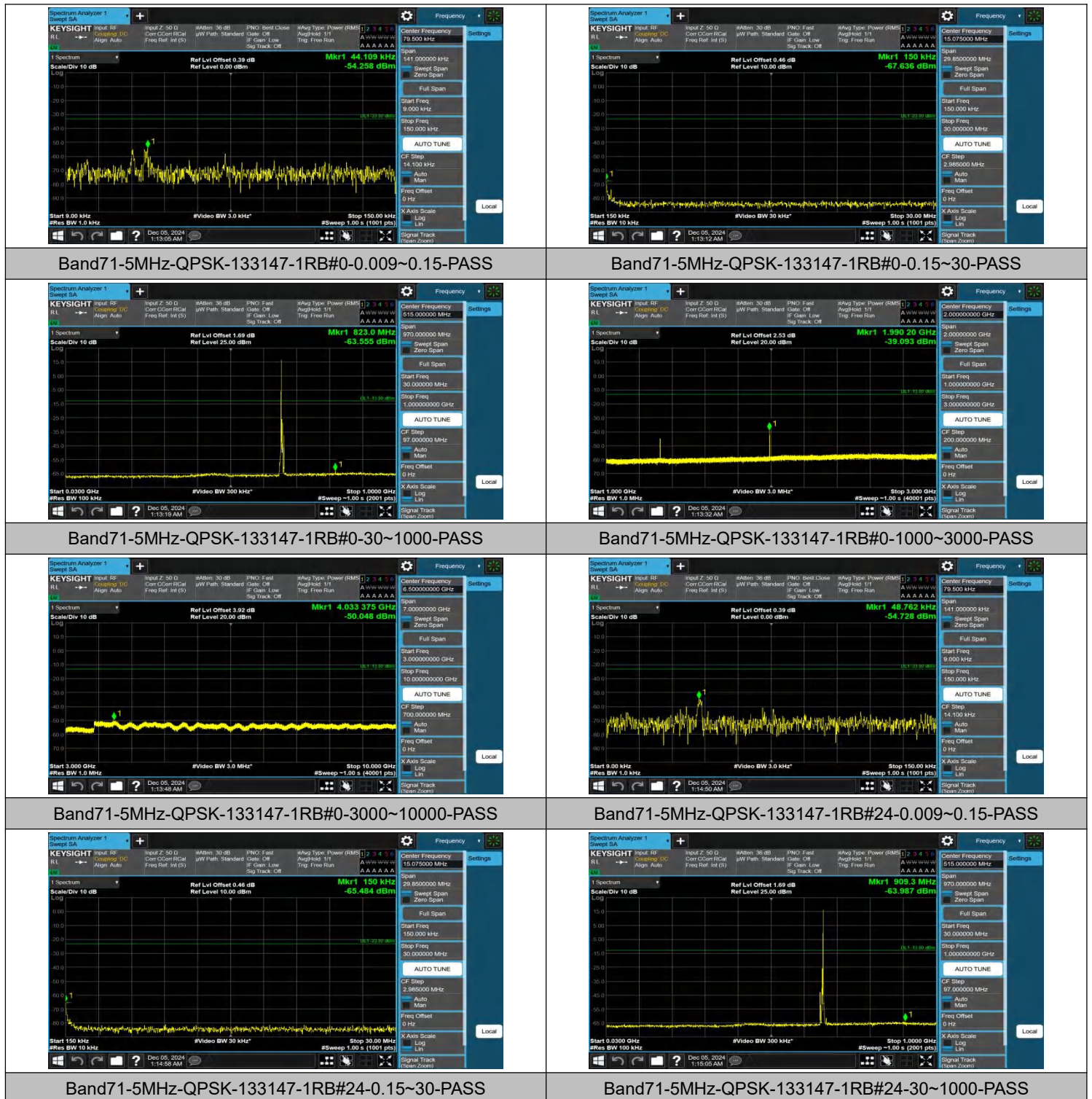
Band71-20MHz-QPSK-133372-100RB#0-PASS

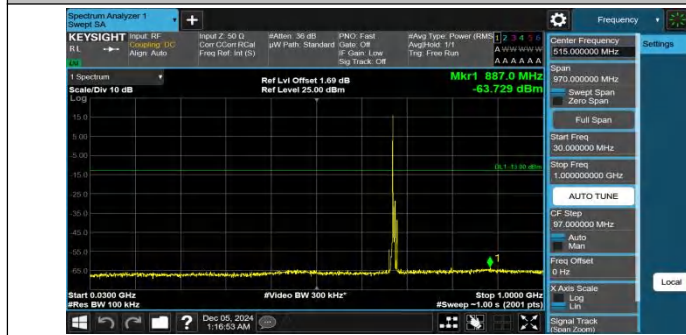
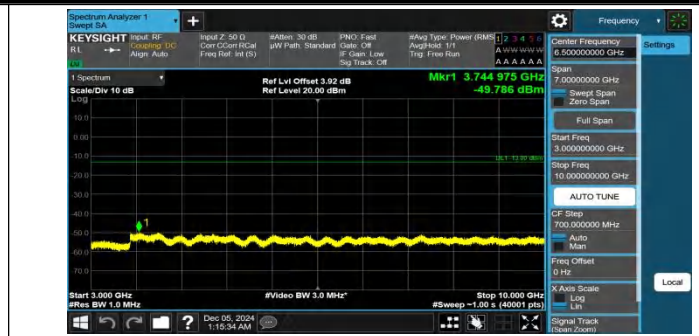


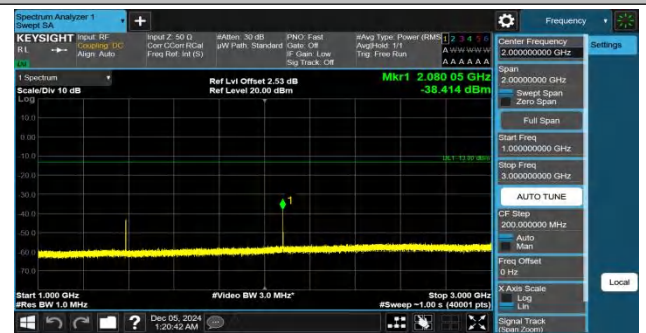
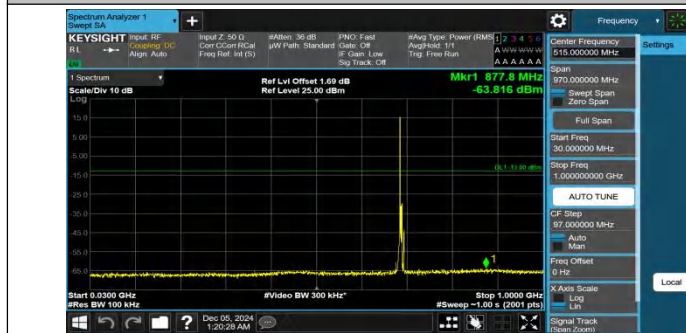
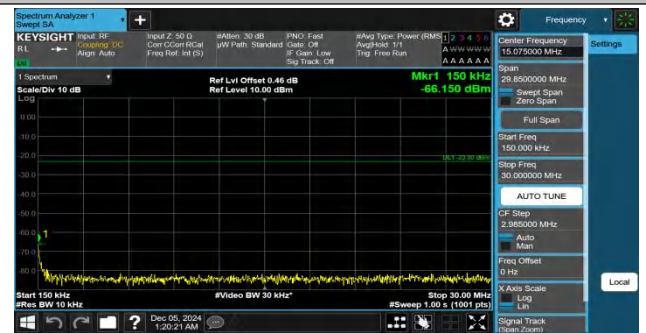
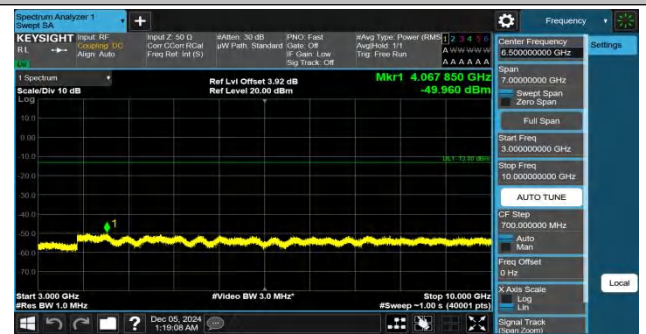
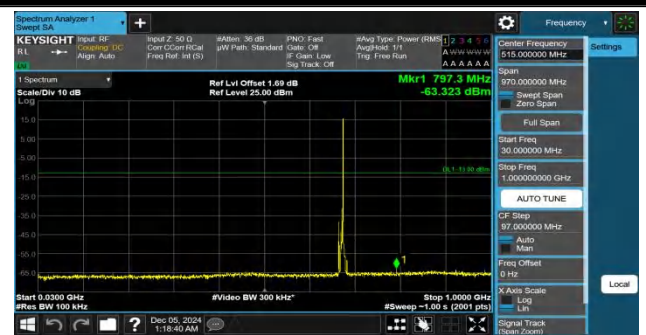
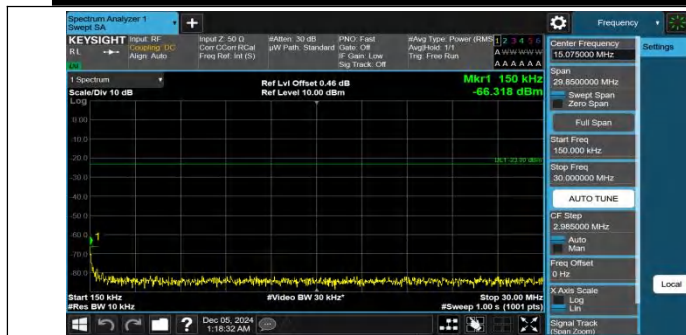
Band71-20MHz-QPSK-133372-1RB#99-PASS

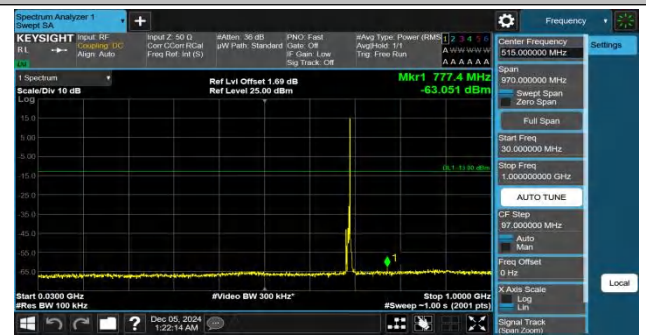
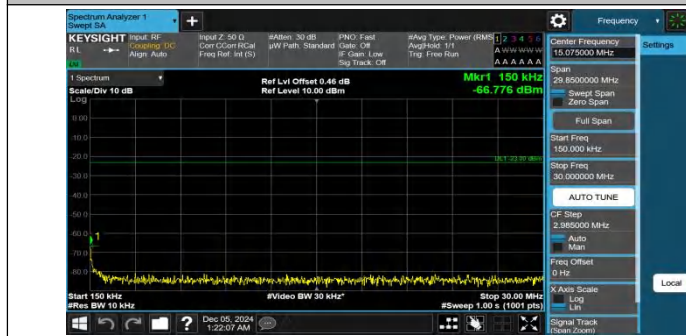
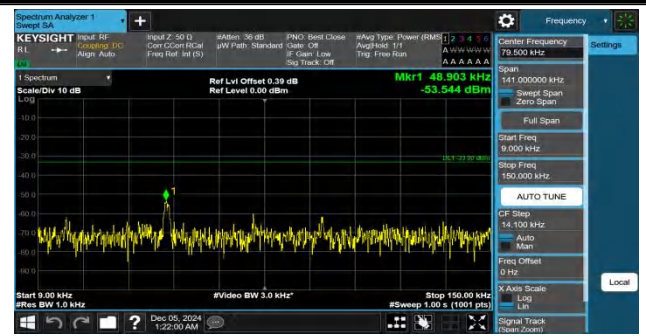
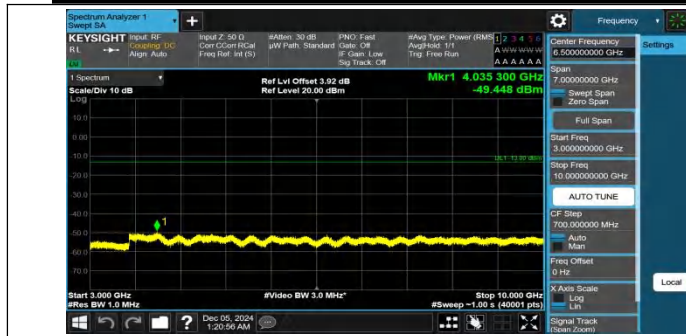
Conducted Spurious Emission

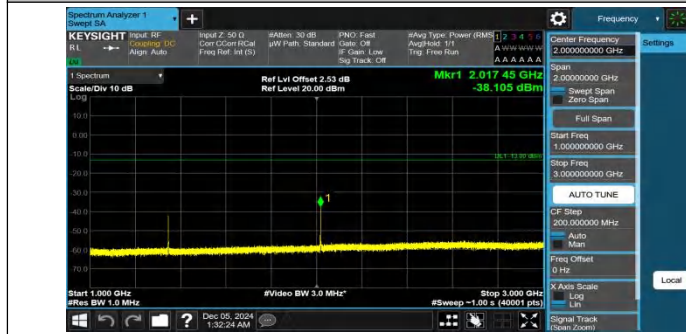
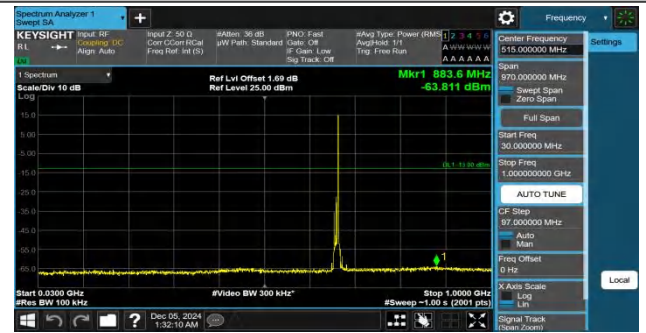
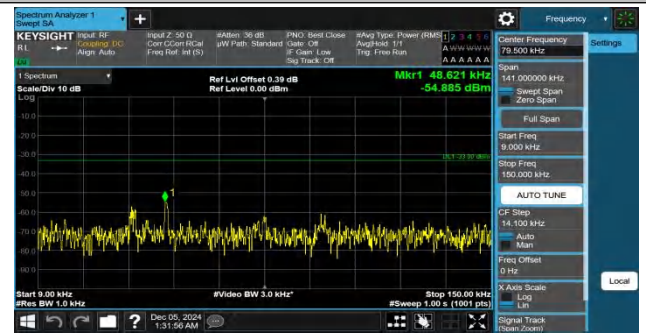
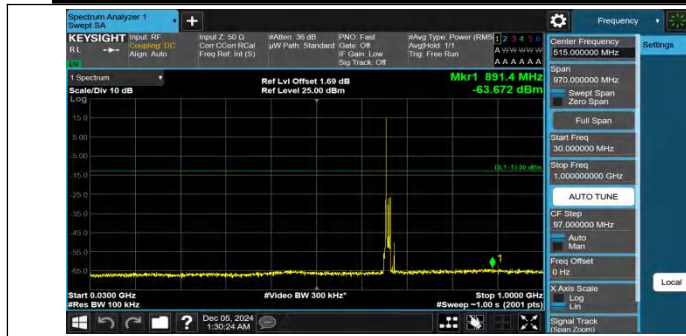
Test Graphs









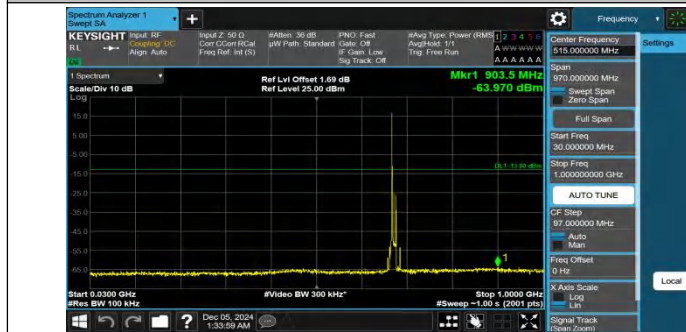




Band71-10MHz-QPSK-133297-1RB#0-0.009~0.15-PASS



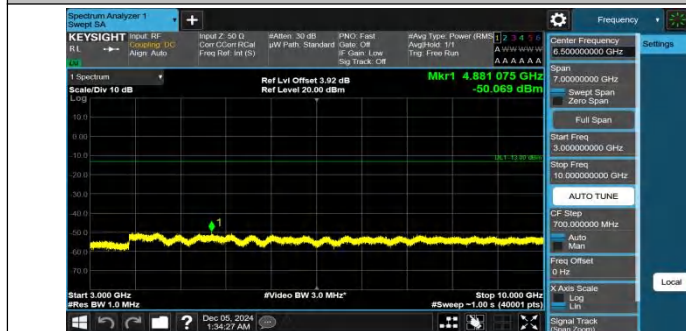
Band71-10MHz-QPSK-133297-1RB#0-0.15~30-PASS



Band71-10MHz-QPSK-133297-1RB#0-30~1000-PASS



Band71-10MHz-QPSK-133297-1RB#0-1000~3000-PASS



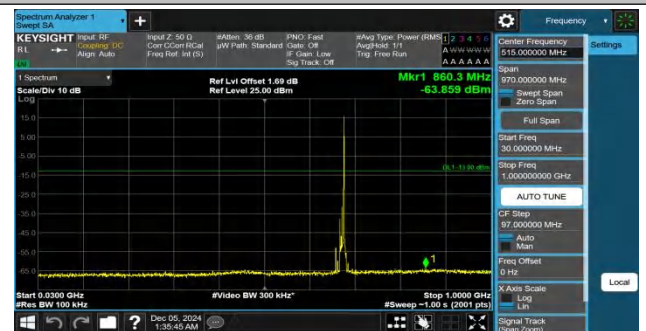
Band71-10MHz-QPSK-133297-1RB#0-3000~10000-PASS



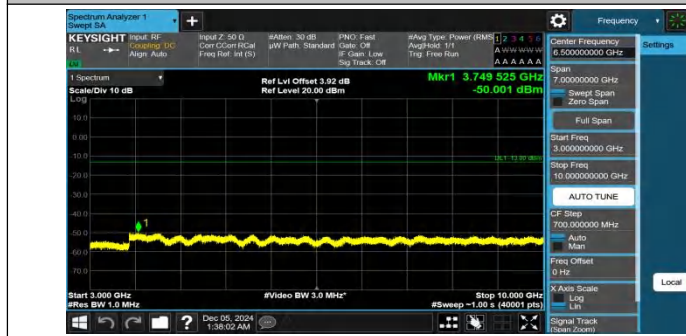
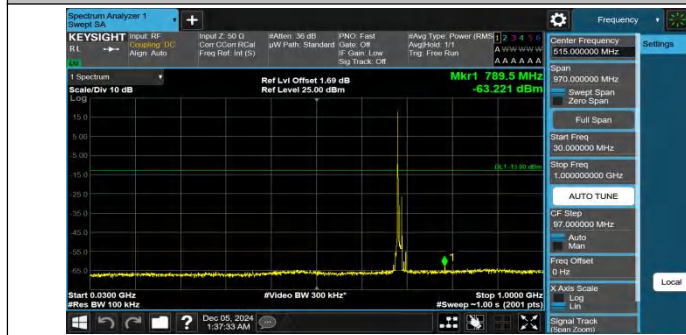
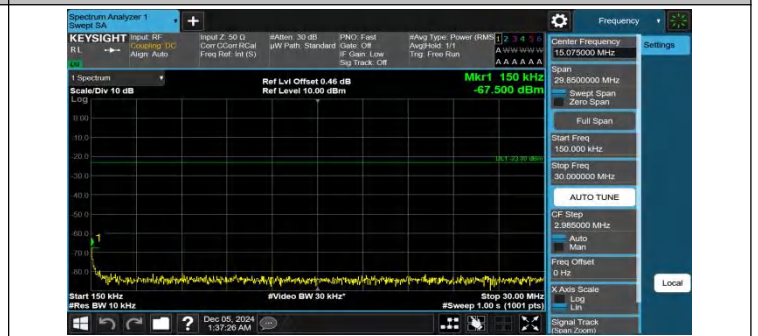
Band71-10MHz-QPSK-133297-1RB#49-0.009~0.15-PASS

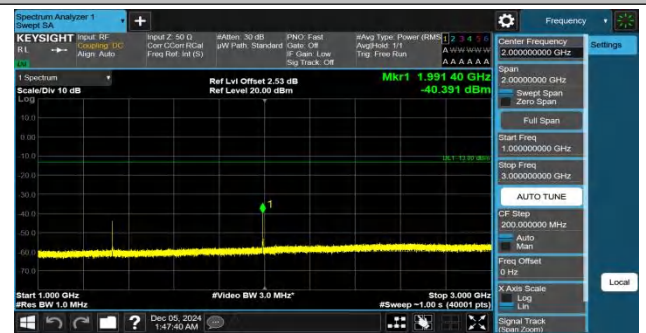
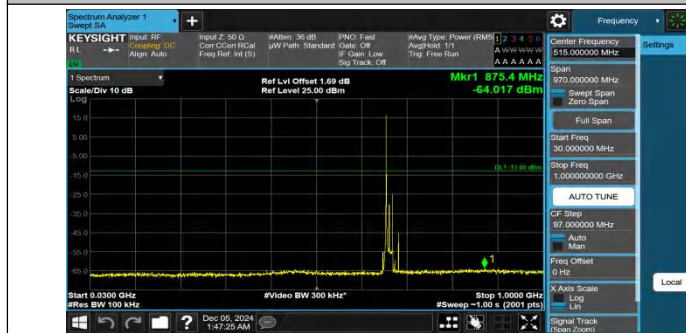
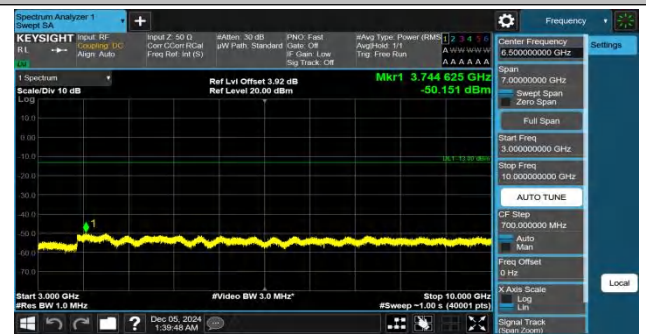
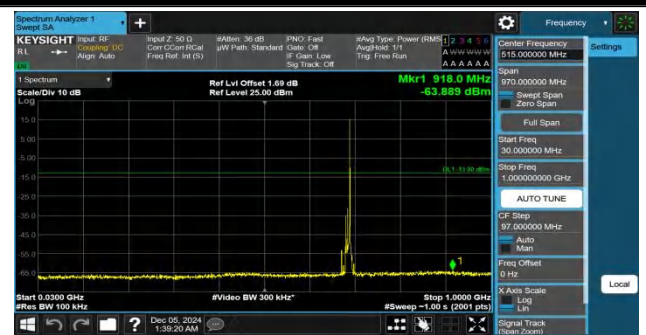


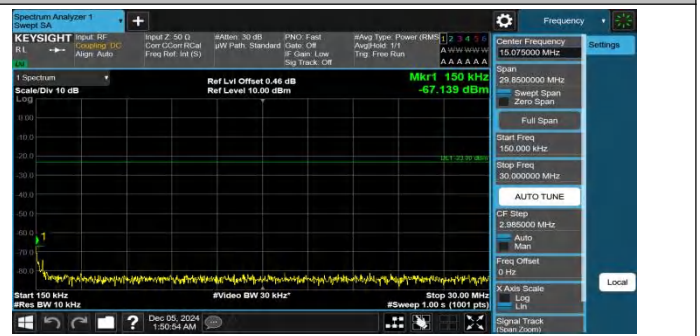
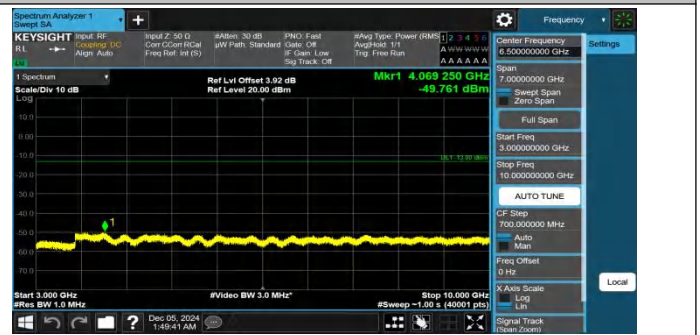
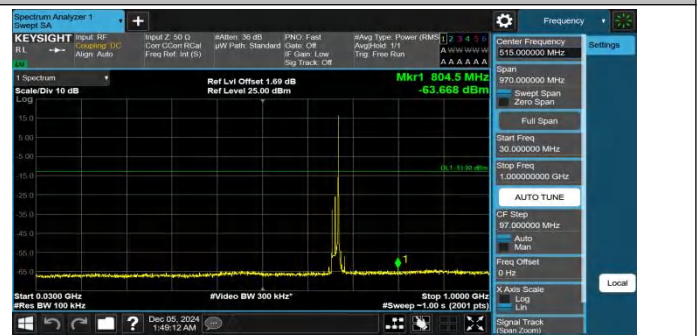
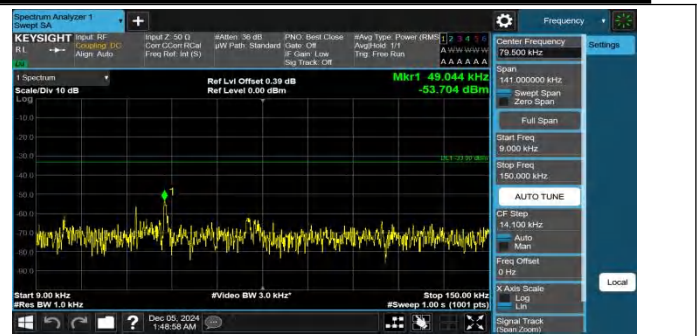
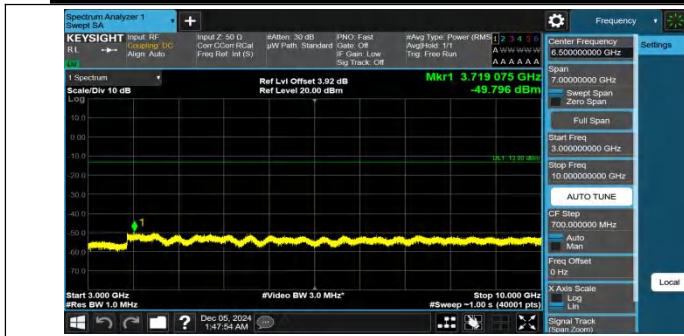
Band71-10MHz-QPSK-133297-1RB#49-0.15~30-PASS

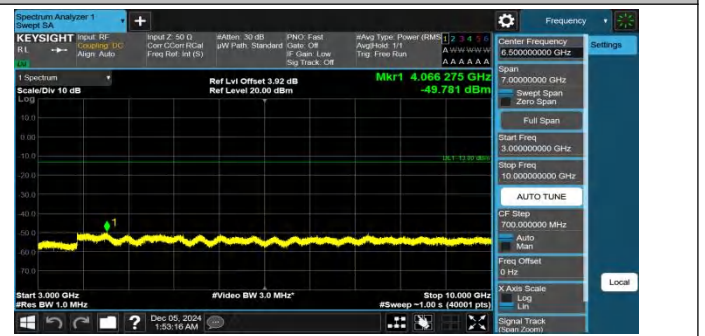
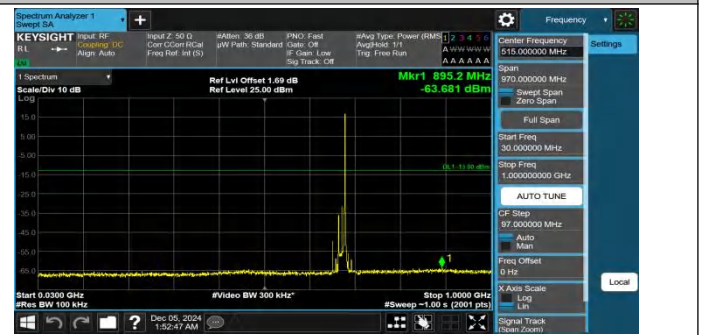
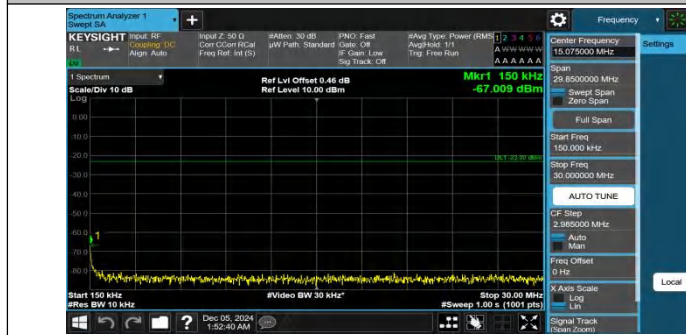
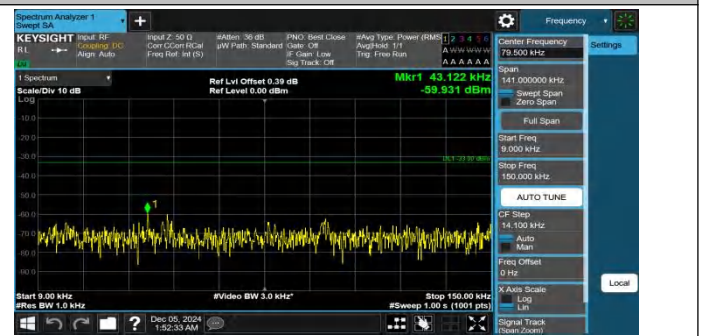
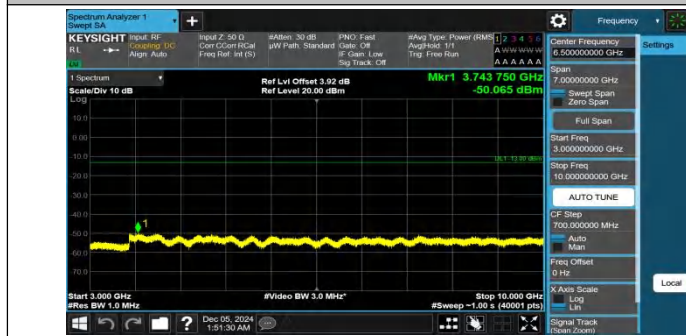
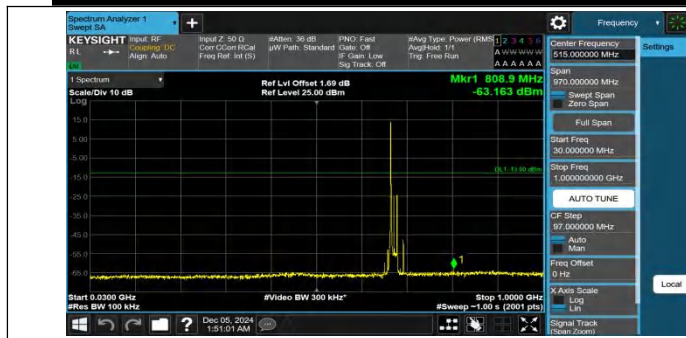


Band71-10MHz-QPSK-133297-1RB#49-30~1000-PASS



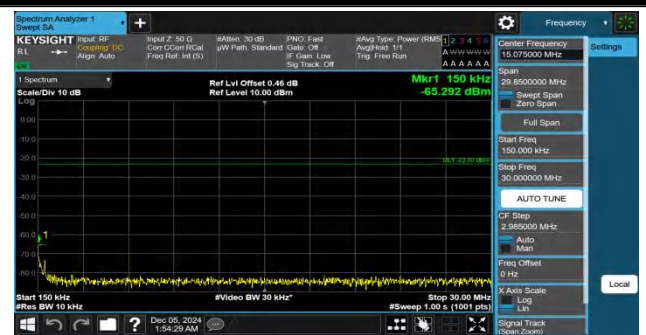




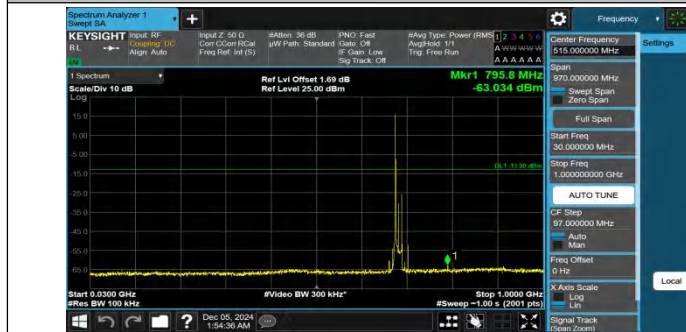




Band71-15MHz-QPSK-133397-1RB#0-0.009~0.15-PASS



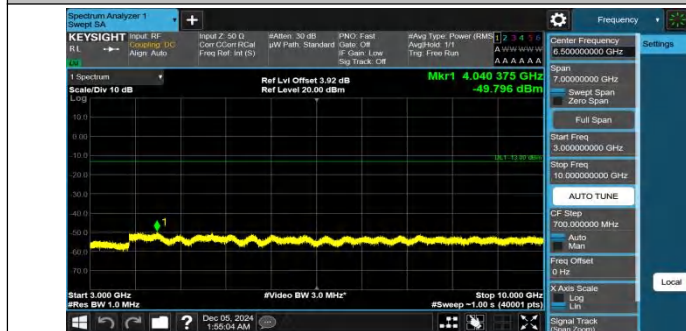
Band71-15MHz-QPSK-133397-1RB#0-0.15~30-PASS



Band71-15MHz-QPSK-133397-1RB#0-30~1000-PASS



Band71-15MHz-QPSK-133397-1RB#0-1000~3000-PASS



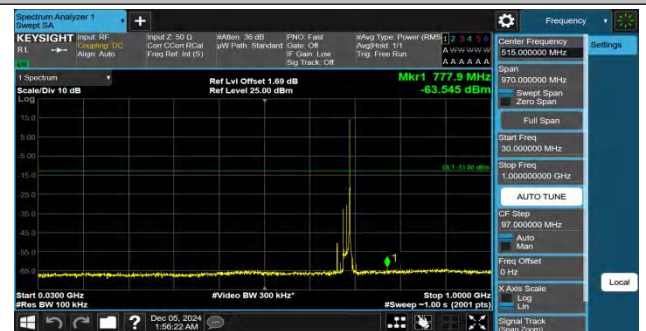
Band71-15MHz-QPSK-133397-1RB#0-3000~10000-PASS



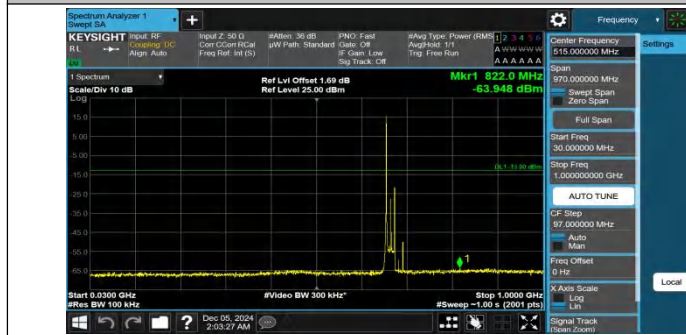
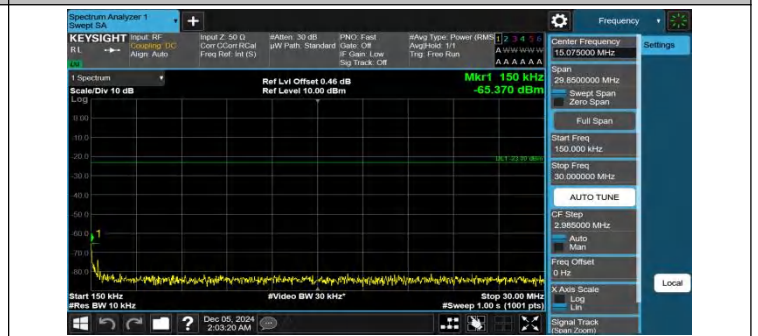
Band71-15MHz-QPSK-133397-1RB#0-0.009~0.15-PASS

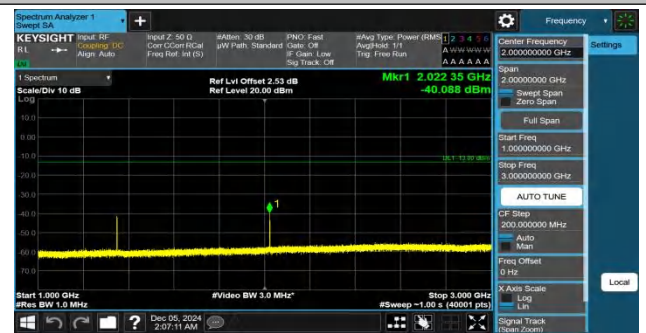
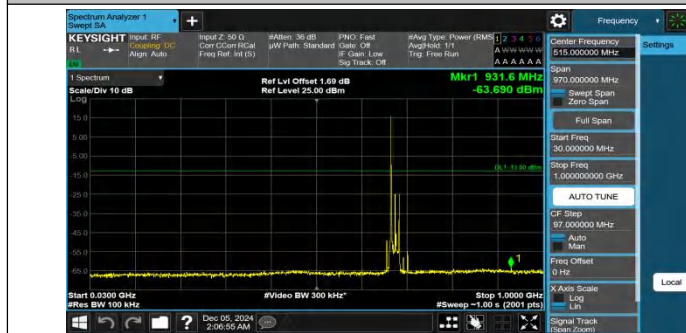
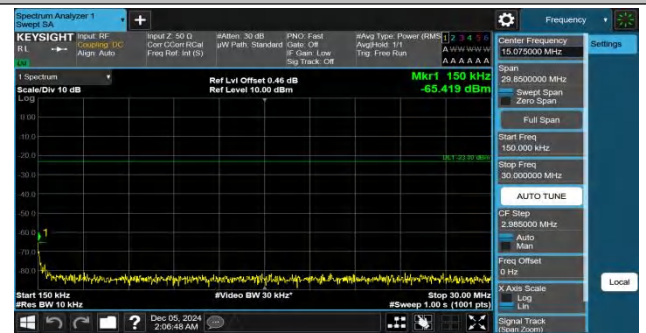
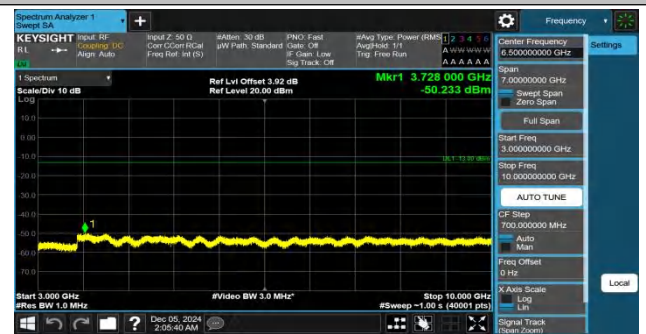
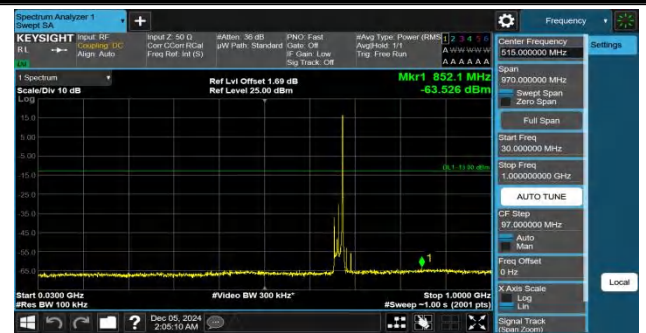
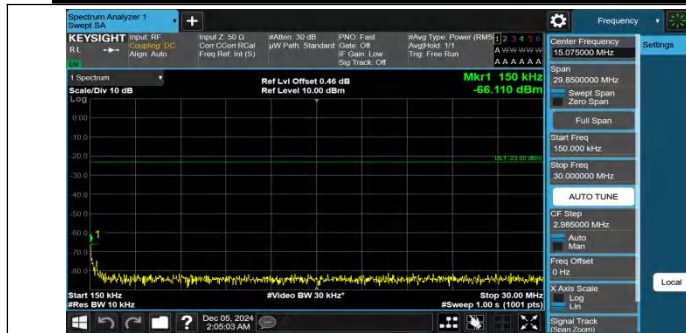


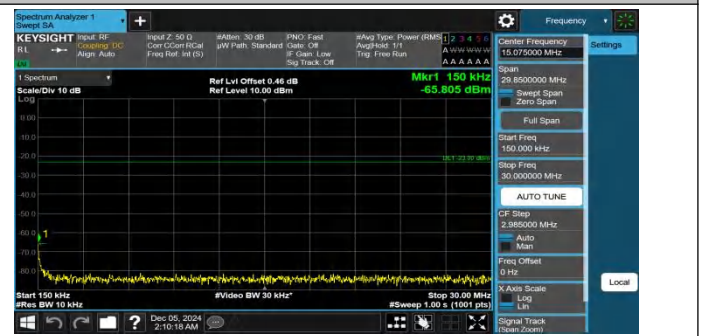
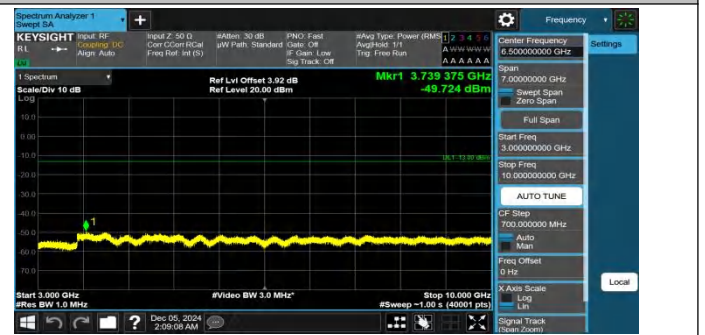
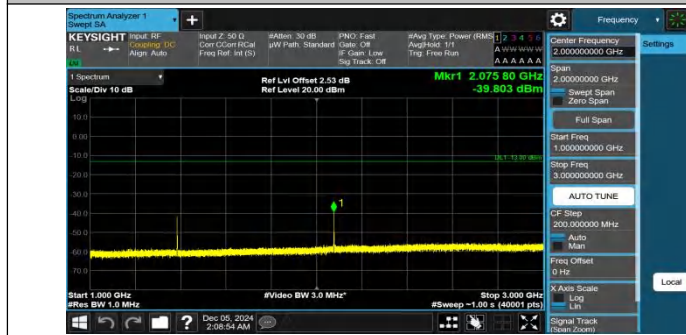
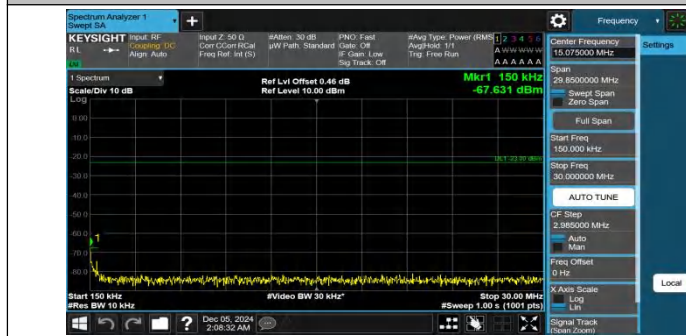
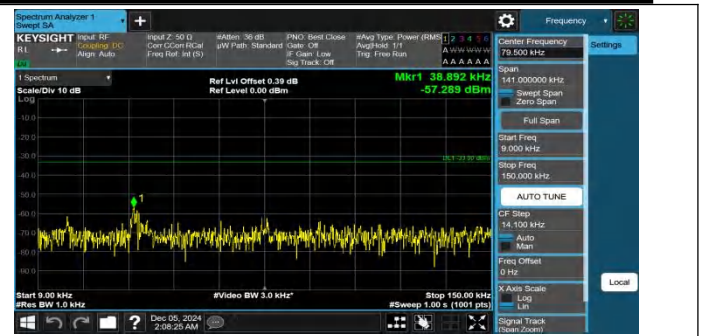
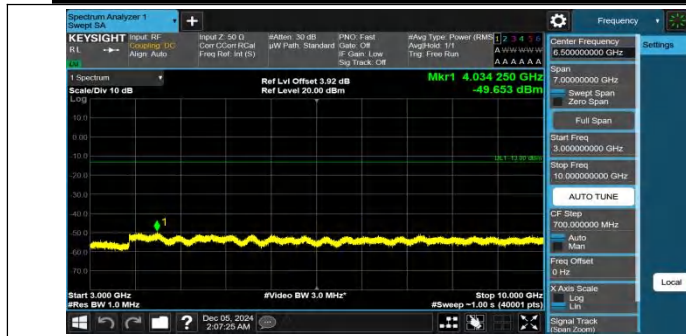
Band71-15MHz-QPSK-133397-1RB#74-0.15~30-PASS



Band71-15MHz-QPSK-133397-1RB#74-30~1000-PASS

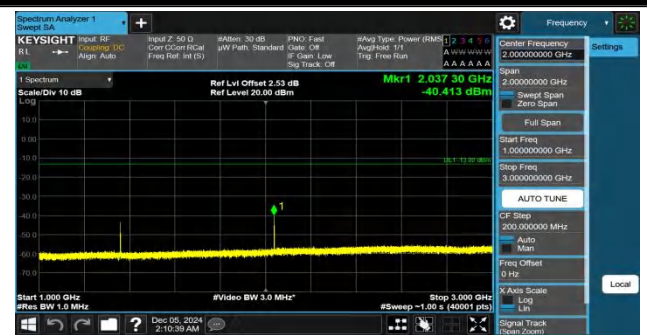




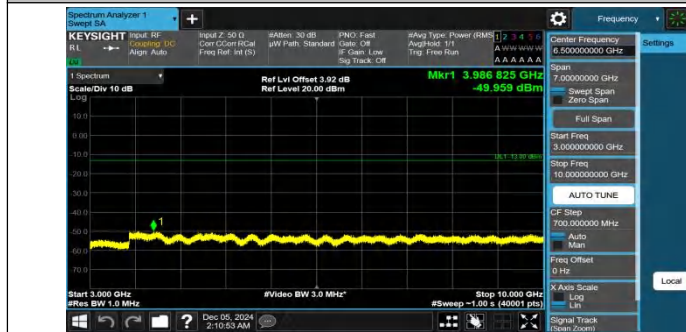




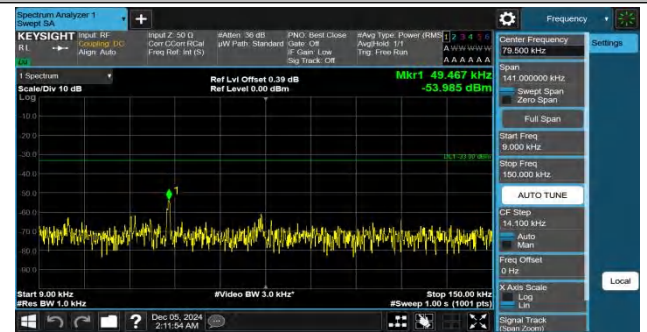
Band71-20MHz-QPSK-133372-1RB#0-30~1000-PASS



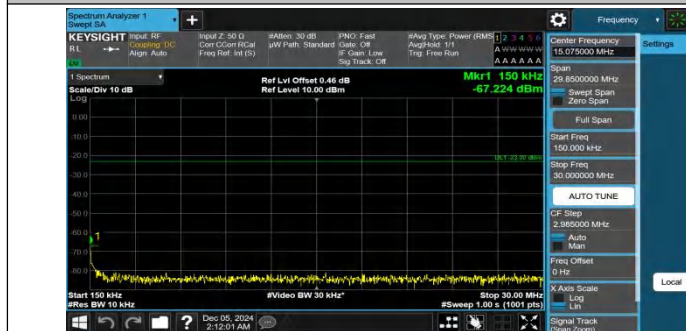
Band71-20MHz-QPSK-133372-1RB#0-1000~3000-PASS



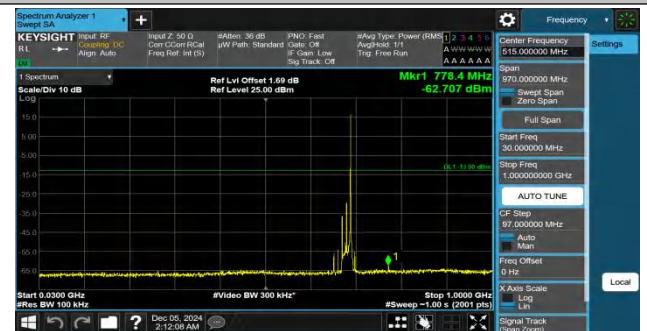
Band71-20MHz-QPSK-133372-1RB#0-3000~10000-PASS



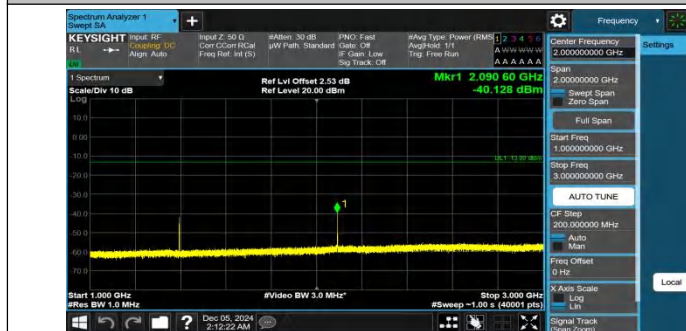
Band71-20MHz-QPSK-133372-1RB#99-0.009~0.15-PASS



Band71-20MHz-QPSK-133372-1RB#99-0.15~30-PASS



Band71-20MHz-QPSK-133372-1RB#99-30~1000-PASS



Band71-20MHz-QPSK-133372-1RB#99-1000~3000-PASS



Band71-20MHz-QPSK-133372-1RB#99-3000~10000-PASS

Frequency Stability

Test Result

Voltage													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 71	20MHz	QPSK	13332	100RB#0	VN	NT	9280.00	13.587116	±NA	674.08478	691.93378	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	VL	NT	17740.00	25.973646	±NA	674.09124	691.94424	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	VH	NT	11730.00	17.174231	±NA	674.08773	691.93573	663-698	PASS

Temperature													
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band 71	20MHz	QPSK	13332	100RB#0	NV	-30	18300.00	26.793558	±NA	674.1018	691.9348	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	-20	22970.00	33.631040	±NA	674.10297	691.94297	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	-10	14710.00	21.537335	±NA	674.10071	691.92871	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	0	7060.00	10.336750	±NA	674.08306	691.93106	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	10	12840.00	18.799414	±NA	674.08984	691.93584	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	20	7830.00	11.464129	±NA	674.08583	691.92983	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	30	8330.00	12.196193	±NA	674.08683	691.92983	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	40	19620.00	28.726208	±NA	674.10062	691.93862	663-698	PASS
Band 71	20MHz	QPSK	13332	100RB#0	NV	50	5870.00	8.594436	±NA	674.08587	691.92587	663-698	PASS

----- THE END -----