

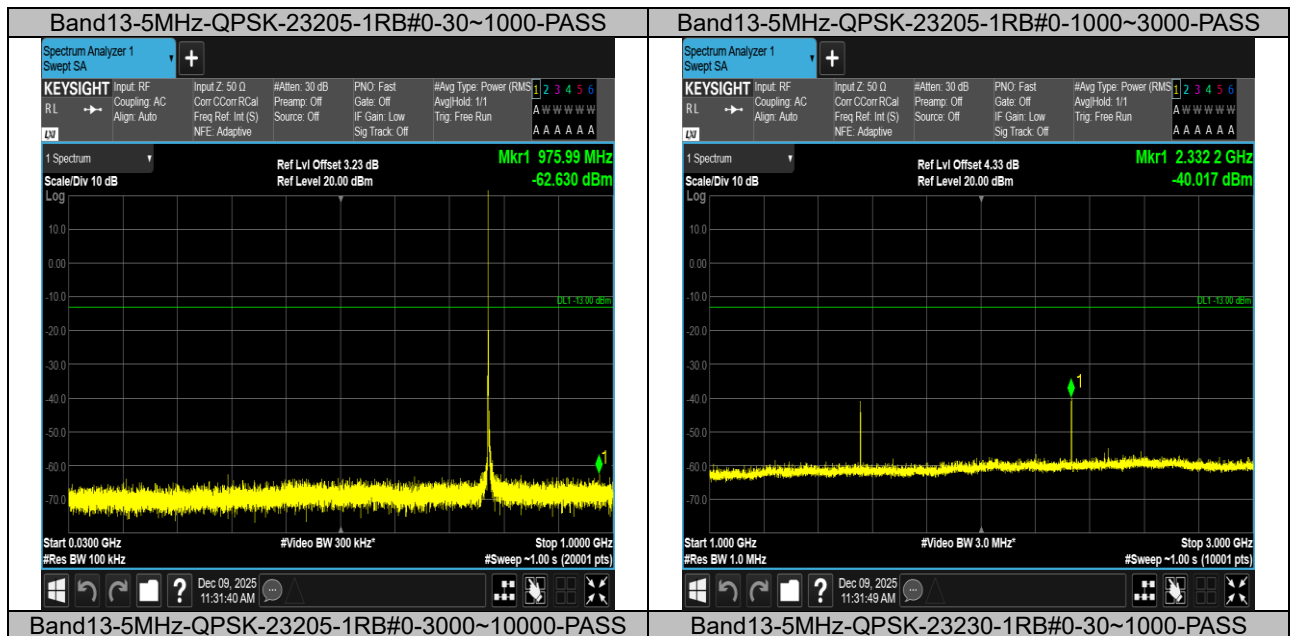


Conducted Spurious Emission

Test Result

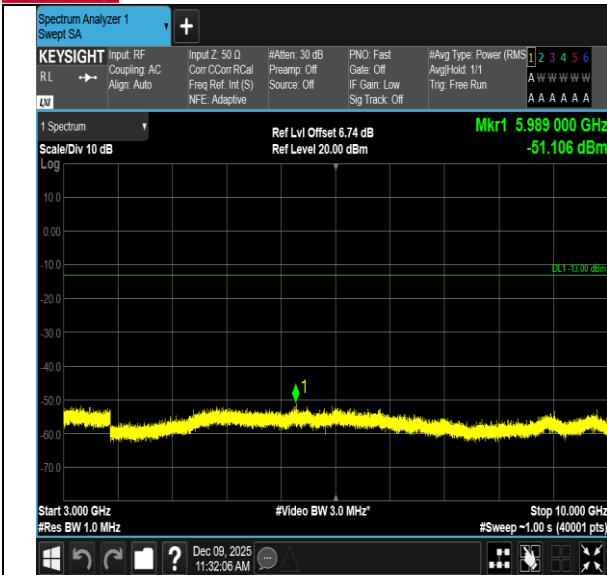
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-62.63	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-40.02	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-51.11	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-61.87	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-38.76	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-51.14	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-61.68	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-38.75	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-50.74	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-62.49	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-39.57	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-50.61	PASS

Test Graphs

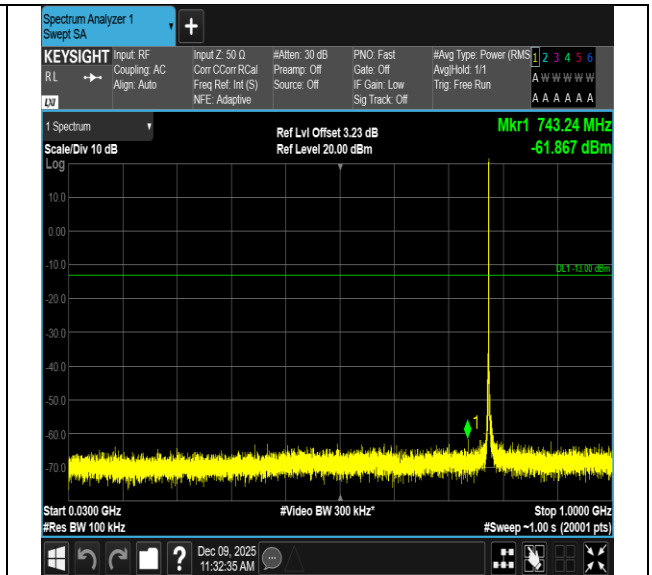




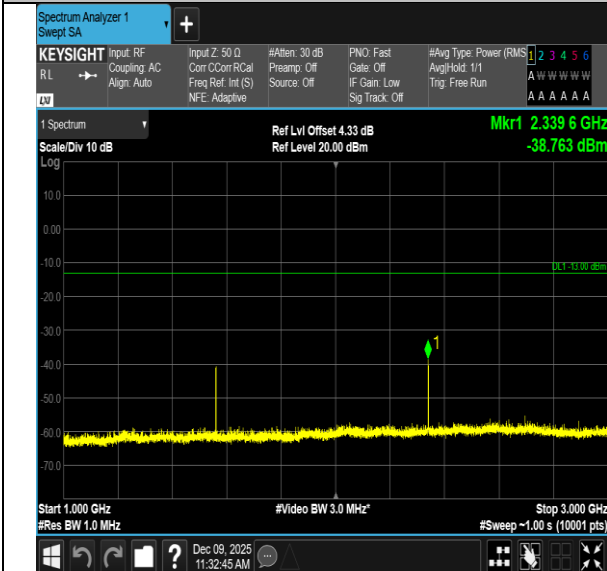
BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF03



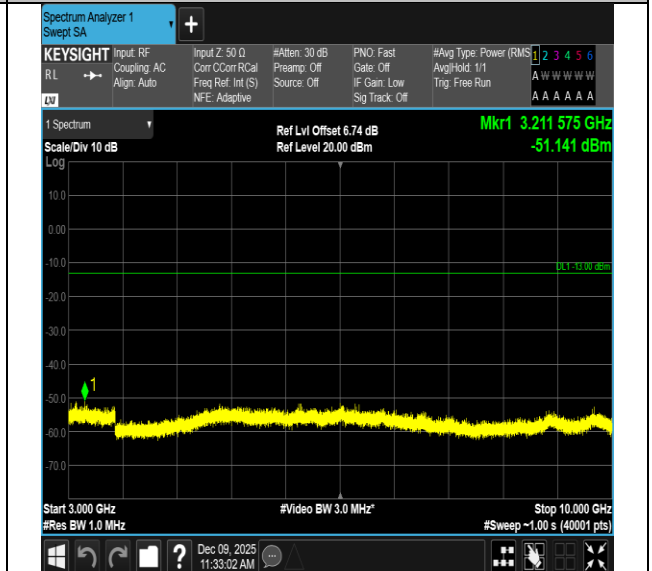
Band13-5MHz-QPSK-23230-1RB#0-1000~3000-PASS



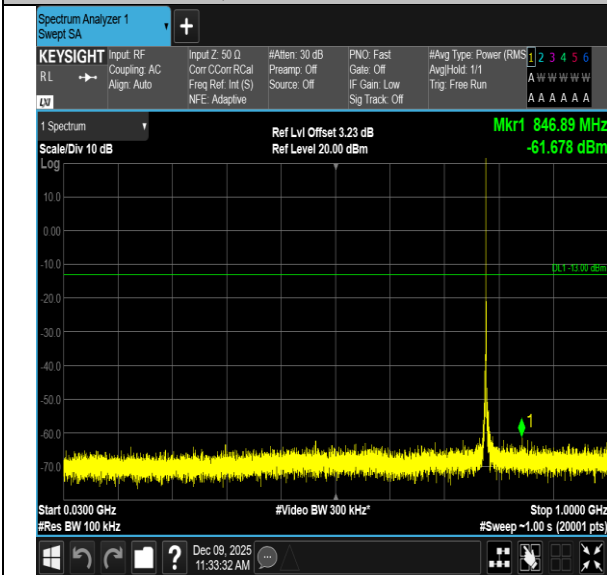
Band13-5MHz-QPSK-23230-1RB#0-3000~10000-PASS



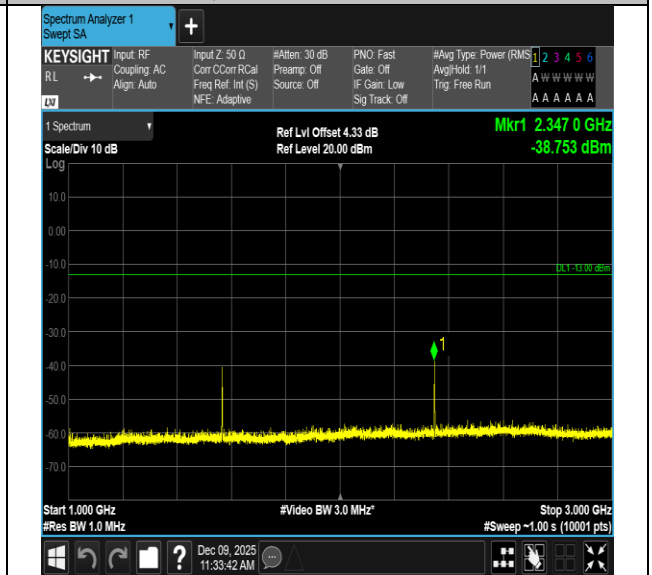
Band13-5MHz-QPSK-23255-1RB#0-30~1000-PASS



Band13-5MHz-QPSK-23255-1RB#0-1000~3000-PASS



Band13-5MHz-QPSK-23255-1RB#0-3000~10000-PASS



Band13-10MHz-QPSK-23230-1RB#0-30~1000-PASS

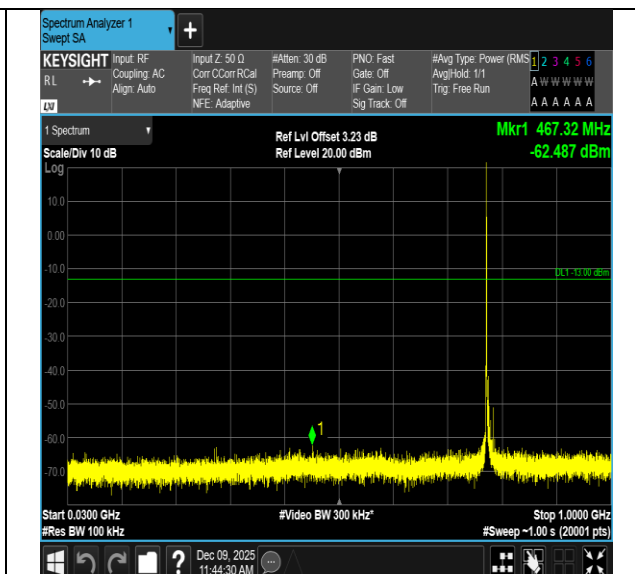
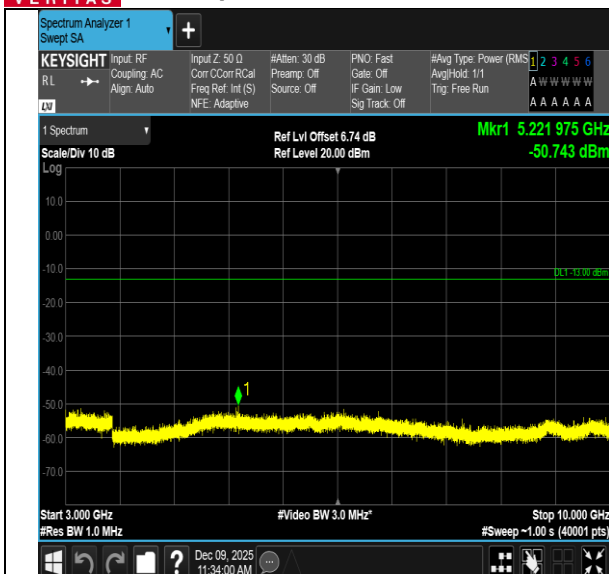
Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

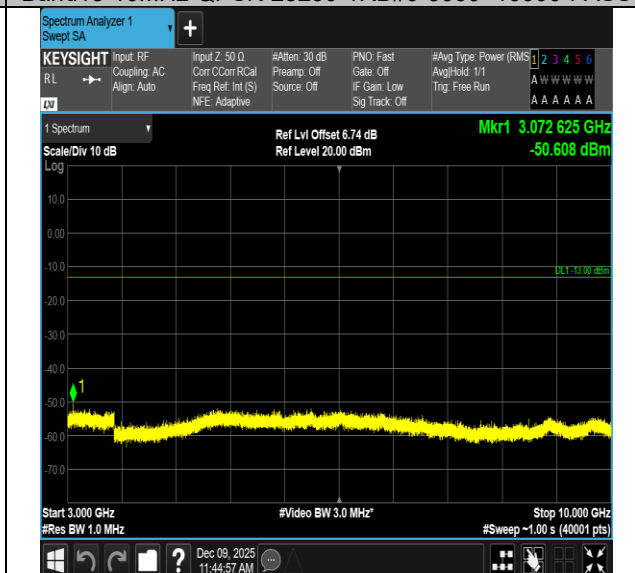
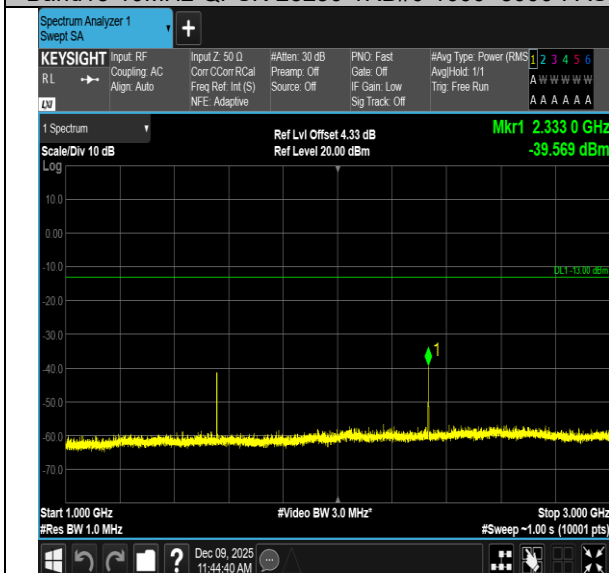


BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF03



Band13-10MHz-QPSK-23230-1RB#0-1000~3000-PASS

Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS





Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	322.00	0.413085	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	438.00	0.561899	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	226.00	0.289929	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-350.00	-0.446144	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-330.00	-0.420650	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-612.00	-0.780115	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	314.00	0.402822	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	244.00	0.313021	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	359.00	0.460552	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	262.00	0.336113	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	348.00	0.446440	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	347.00	0.445157	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	536.00	0.687620	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	467.00	0.599102	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	598.00	0.767158	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-482.00	-0.614404	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-321.00	-0.409178	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-346.00	-0.441045	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-481.00	-0.613129	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-339.00	-0.432122	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-326.00	-0.415551	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-327.00	-0.416826	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-423.00	-0.539197	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-447.00	-0.569790	±2.5	PASS



LTE BAND 71

Peak-to-Average Ratio(CCDF)

Test Result

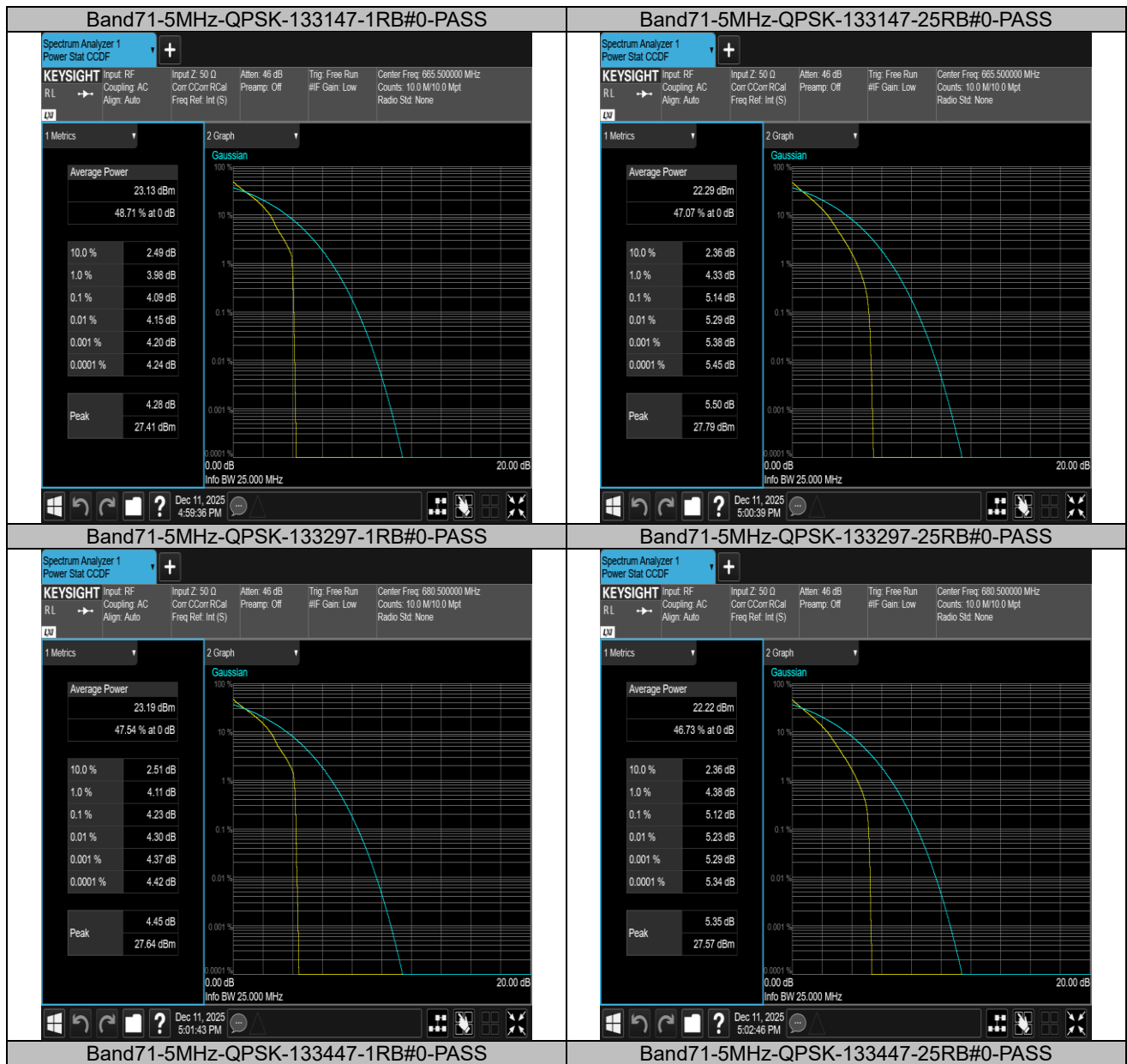
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	4.09	13	PASS
Band71	5MHz	QPSK	133147	25RB#0	5.14	13	PASS
Band71	5MHz	QPSK	133297	1RB#0	4.23	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.12	13	PASS
Band71	5MHz	QPSK	133447	1RB#0	4.16	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.05	13	PASS
Band71	5MHz	64QAM	133147	1RB#0	5.95	13	PASS
Band71	5MHz	64QAM	133147	25RB#0	6.51	13	PASS
Band71	5MHz	64QAM	133297	1RB#0	6.10	13	PASS
Band71	5MHz	64QAM	133297	25RB#0	6.45	13	PASS
Band71	5MHz	64QAM	133447	1RB#0	6.01	13	PASS
Band71	5MHz	64QAM	133447	25RB#0	6.39	13	PASS
Band71	5MHz	16QAM	133147	1RB#0	5.01	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.03	13	PASS
Band71	5MHz	16QAM	133297	1RB#0	5.23	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.04	13	PASS
Band71	5MHz	16QAM	133447	1RB#0	5.11	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	5.97	13	PASS
Band71	10MHz	QPSK	133172	1RB#0	4.15	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.43	13	PASS
Band71	10MHz	QPSK	133297	1RB#0	4.23	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.24	13	PASS
Band71	10MHz	QPSK	133422	1RB#0	4.17	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.04	13	PASS
Band71	10MHz	64QAM	133172	1RB#0	6.01	13	PASS
Band71	10MHz	64QAM	133172	50RB#0	6.55	13	PASS
Band71	10MHz	64QAM	133297	1RB#0	6.12	13	PASS
Band71	10MHz	64QAM	133297	50RB#0	6.57	13	PASS
Band71	10MHz	64QAM	133422	1RB#0	6.05	13	PASS
Band71	10MHz	64QAM	133422	50RB#0	6.31	13	PASS
Band71	10MHz	16QAM	133172	1RB#0	5.13	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.22	13	PASS
Band71	10MHz	16QAM	133297	1RB#0	5.21	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.10	13	PASS
Band71	10MHz	16QAM	133422	1RB#0	5.13	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	5.93	13	PASS
Band71	15MHz	QPSK	133197	1RB#0	8.39	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.60	13	PASS
Band71	15MHz	QPSK	133297	1RB#0	4.26	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.39	13	PASS
Band71	15MHz	QPSK	133397	1RB#0	4.25	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.18	13	PASS
Band71	15MHz	64QAM	133197	1RB#0	6.03	13	PASS
Band71	15MHz	64QAM	133197	75RB#0	6.58	13	PASS
Band71	15MHz	64QAM	133297	1RB#0	6.09	13	PASS
Band71	15MHz	64QAM	133297	75RB#0	6.48	13	PASS
Band71	15MHz	64QAM	133397	1RB#0	6.11	13	PASS
Band71	15MHz	64QAM	133397	75RB#0	6.28	13	PASS
Band71	15MHz	16QAM	133197	1RB#0	5.15	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.30	13	PASS
Band71	15MHz	16QAM	133297	1RB#0	5.22	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.17	13	PASS
Band71	15MHz	16QAM	133397	1RB#0	5.20	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	5.99	13	PASS

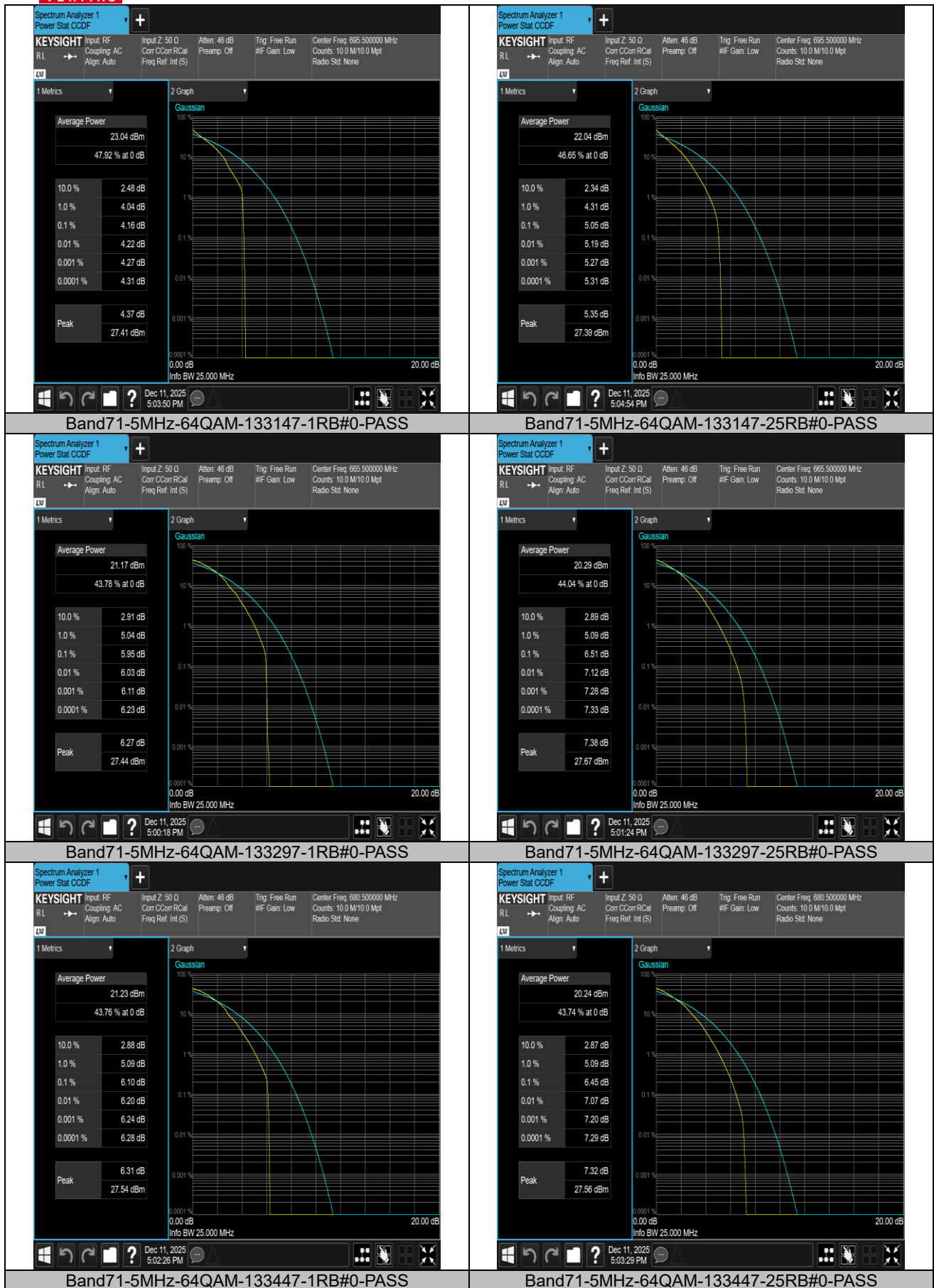


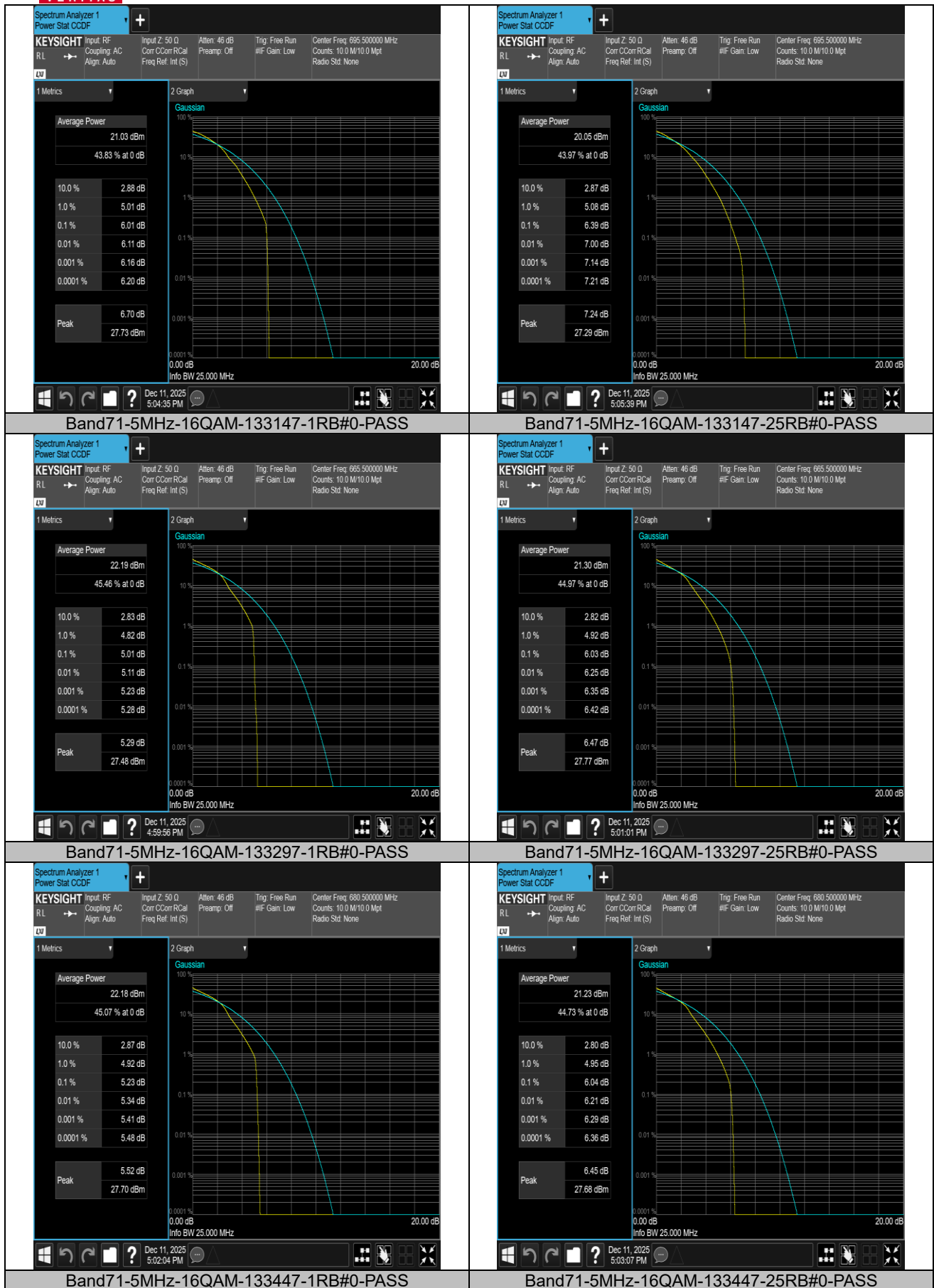
Band71	20MHz	QPSK	133222	1RB#0	4.23	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.36	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	4.25	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.35	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	4.27	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.18	13	PASS
Band71	20MHz	64QAM	133222	1RB#0	5.99	13	PASS
Band71	20MHz	64QAM	133222	100RB#0	6.51	13	PASS
Band71	20MHz	64QAM	133322	1RB#0	6.11	13	PASS
Band71	20MHz	64QAM	133322	100RB#0	6.49	13	PASS
Band71	20MHz	64QAM	133372	1RB#0	6.13	13	PASS
Band71	20MHz	64QAM	133372	100RB#0	6.36	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.04	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.20	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.26	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.16	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.27	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.03	13	PASS

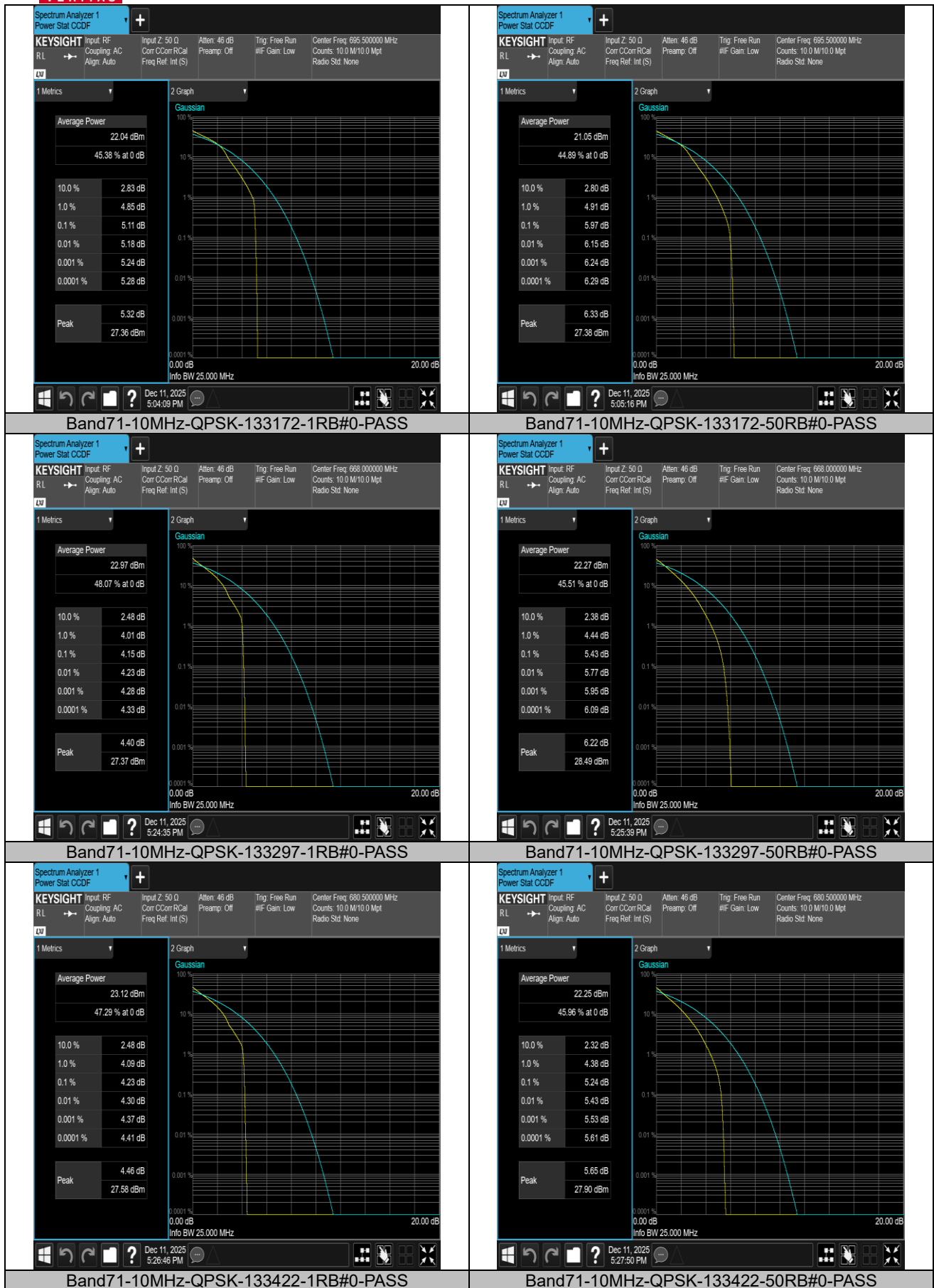


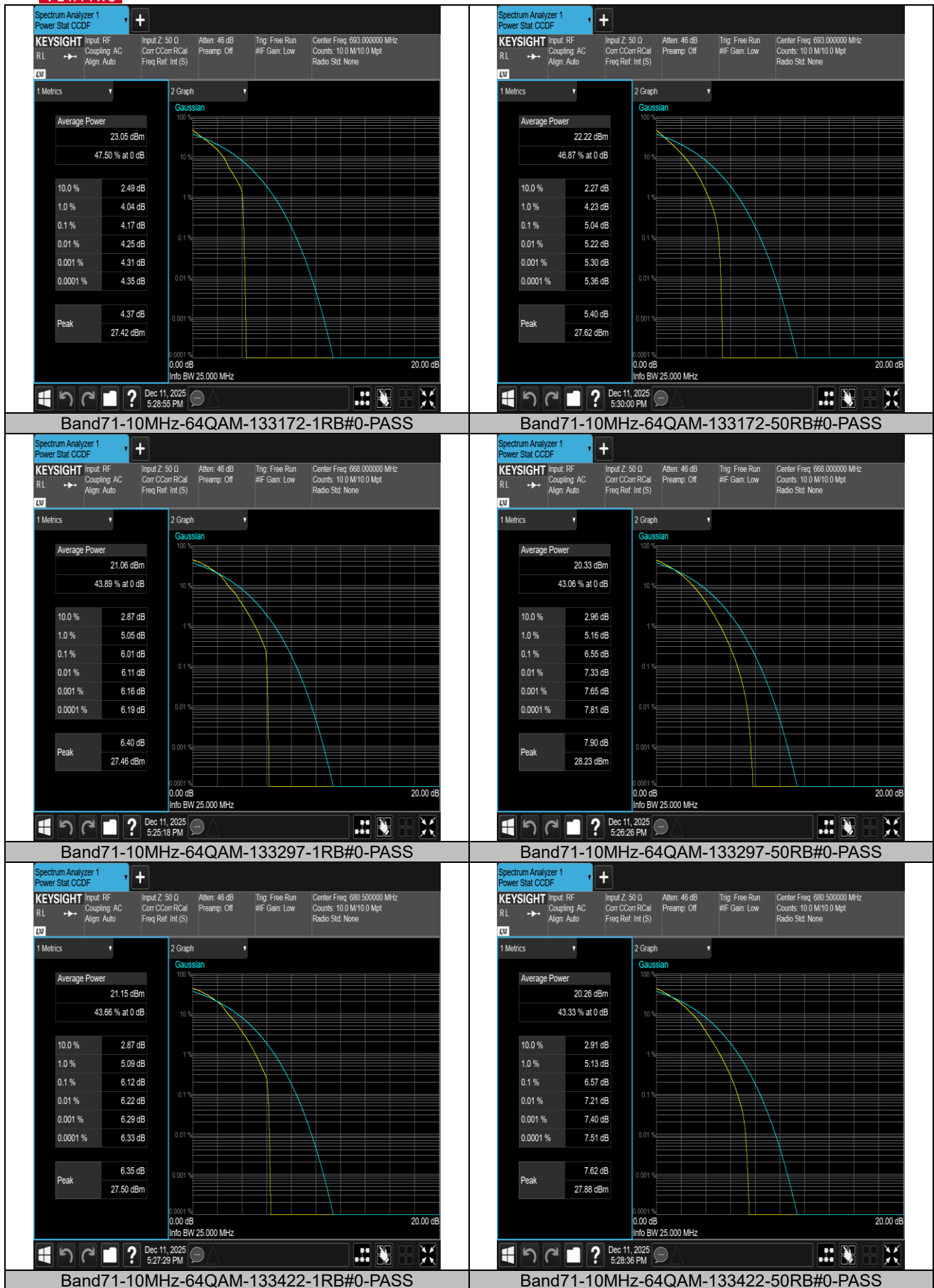
Test Graphs

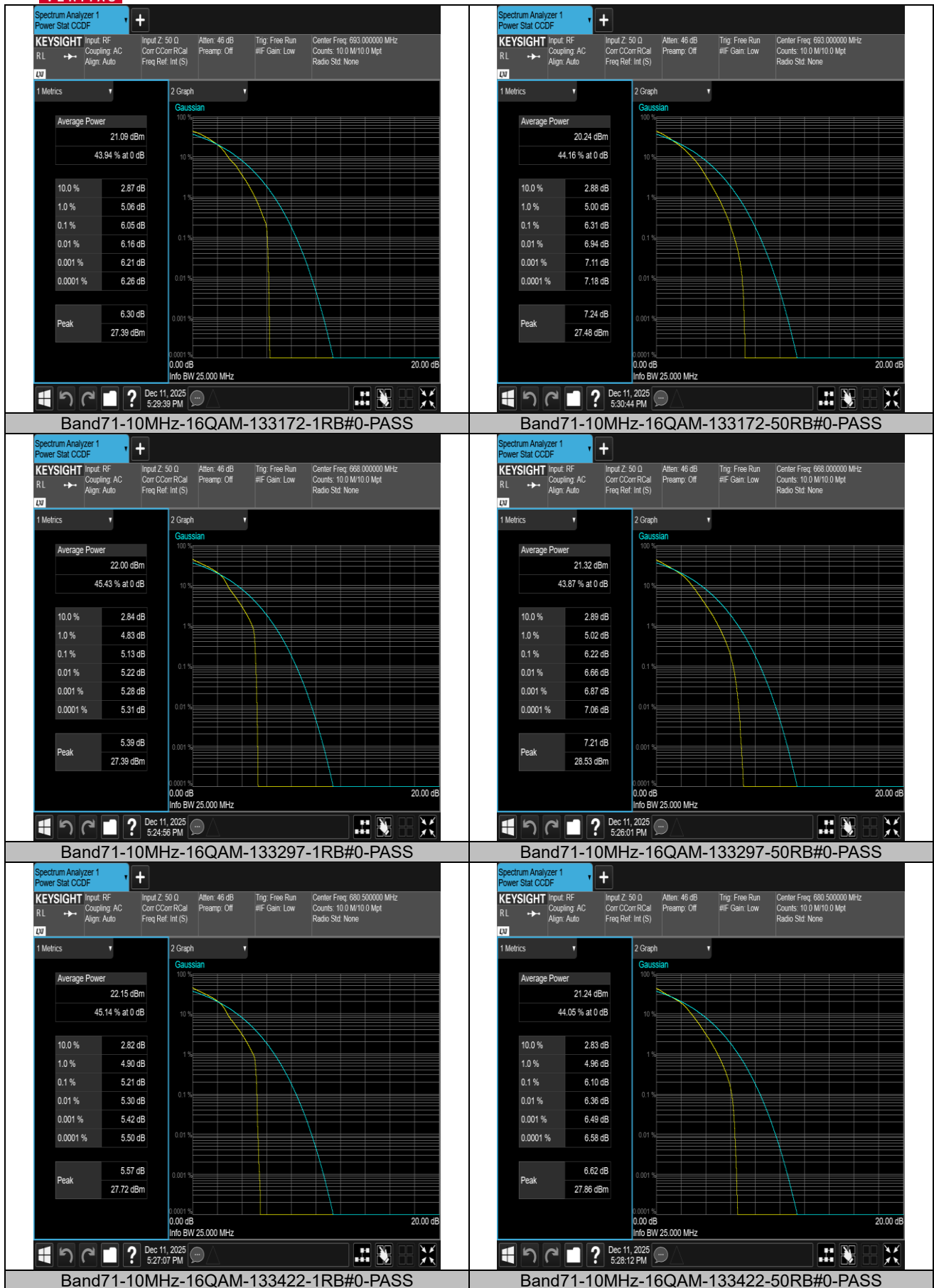




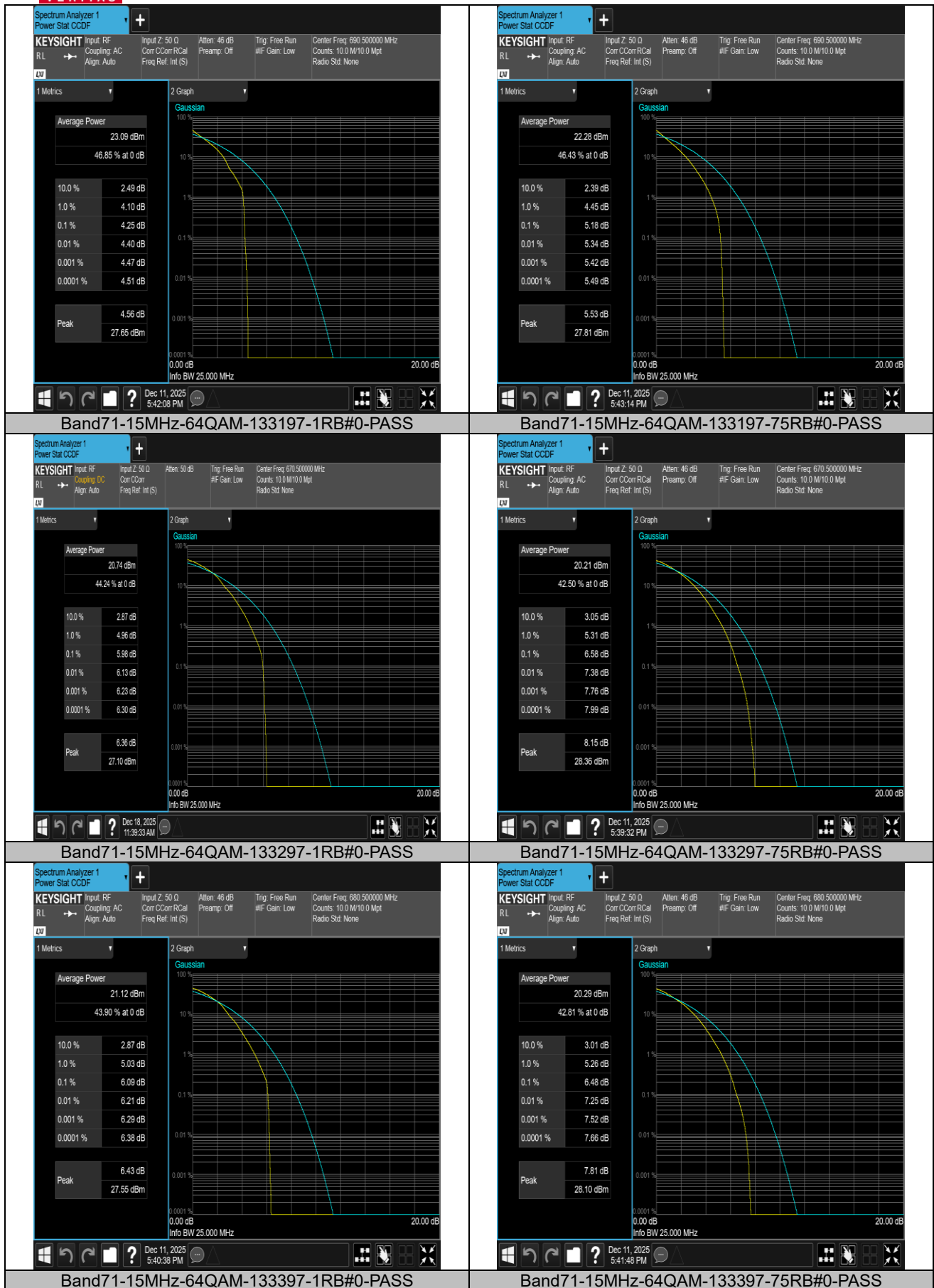




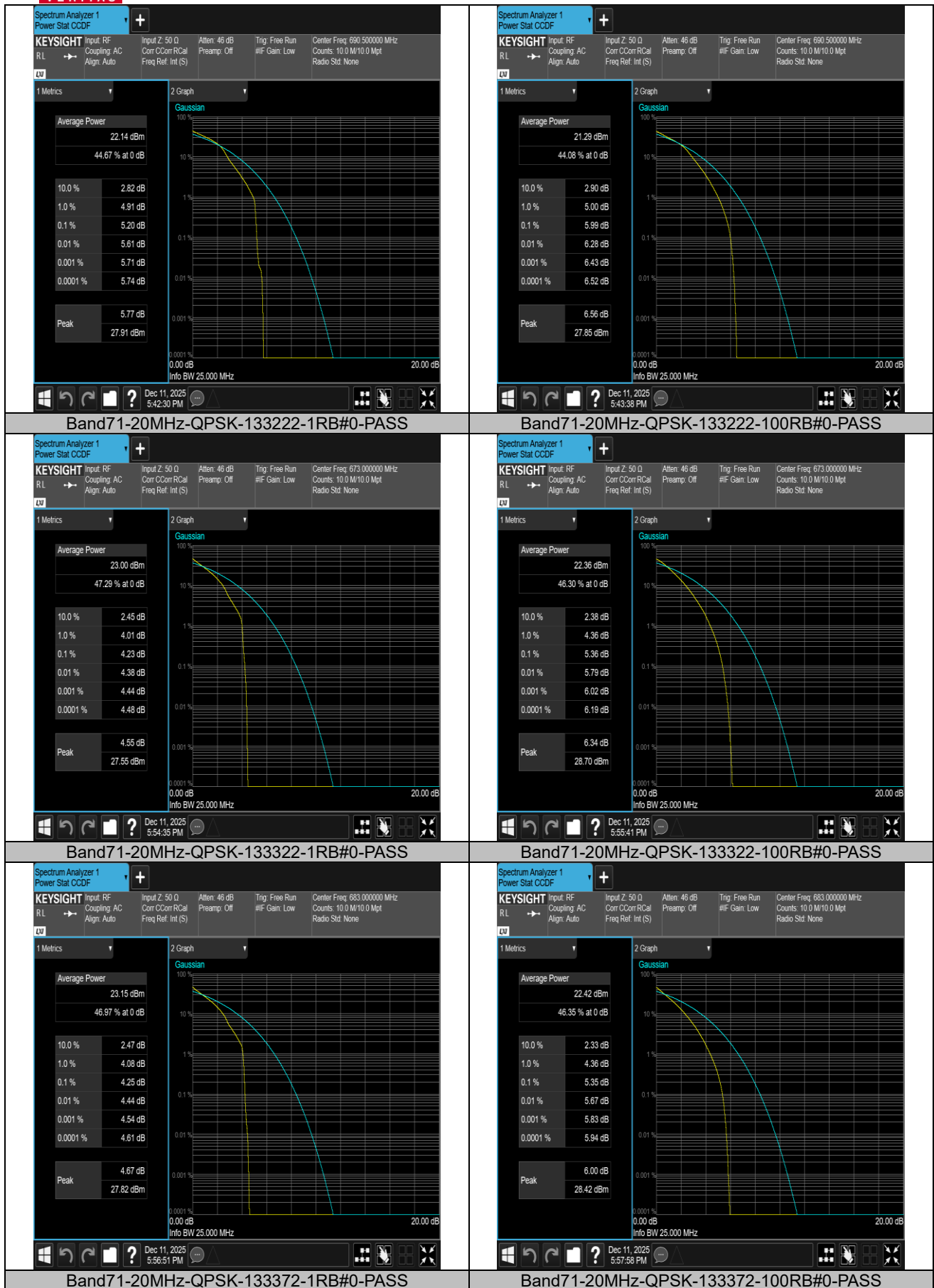




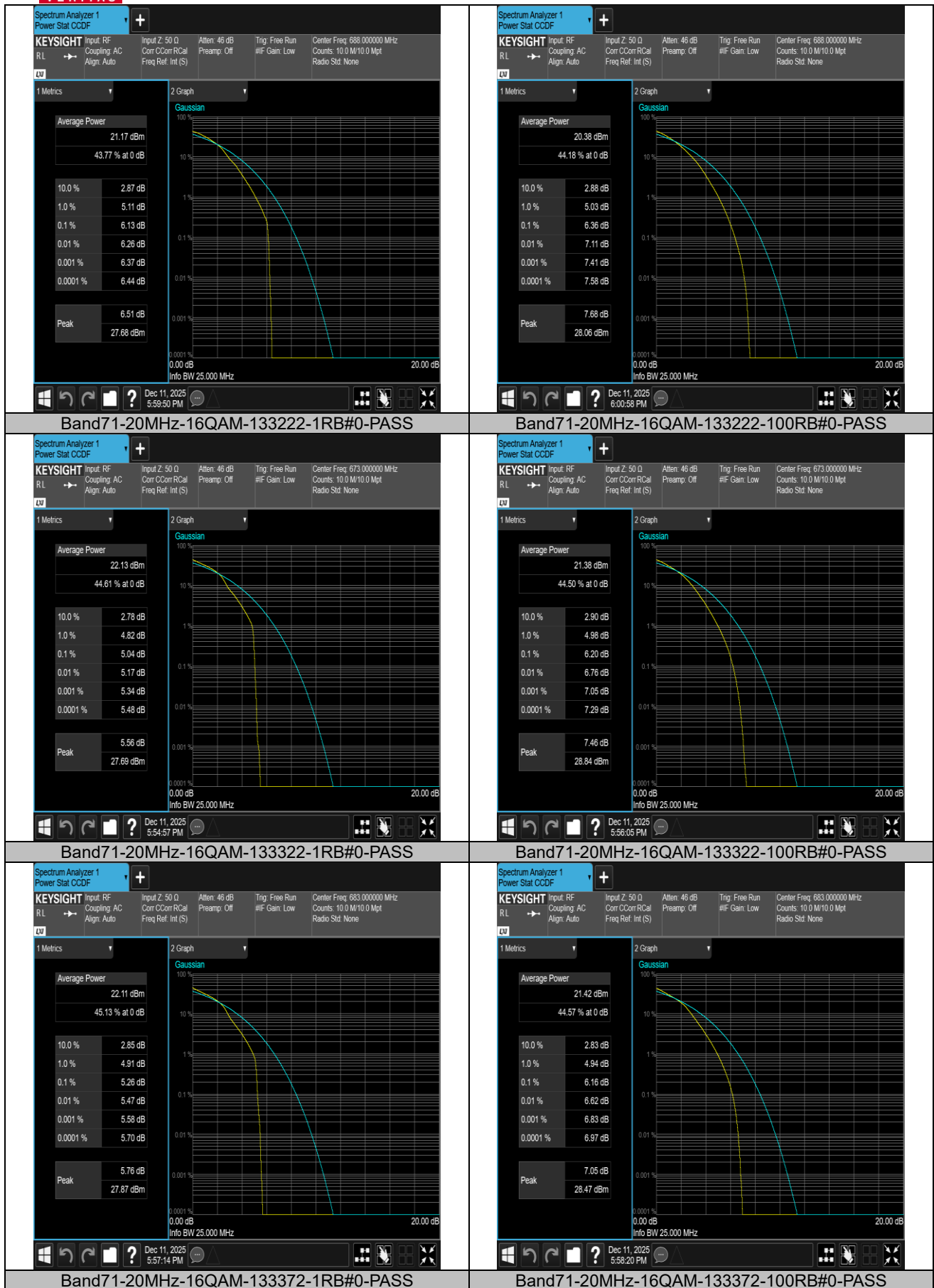






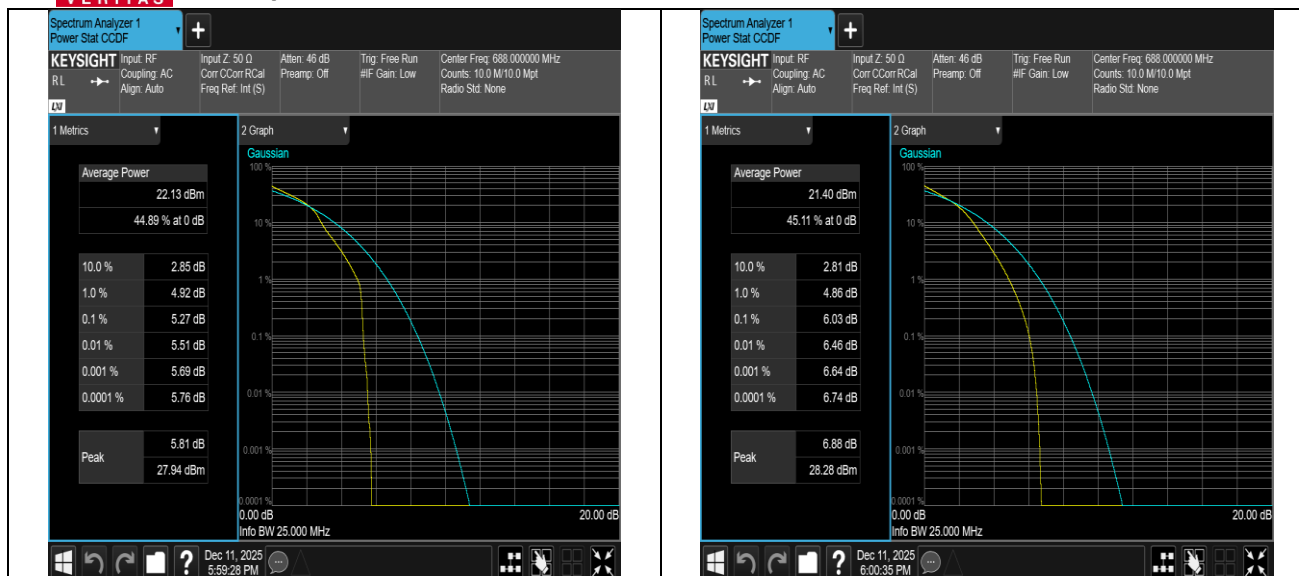








BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF03





26dB Bandwidth and Occupied Bandwidth

Test Result

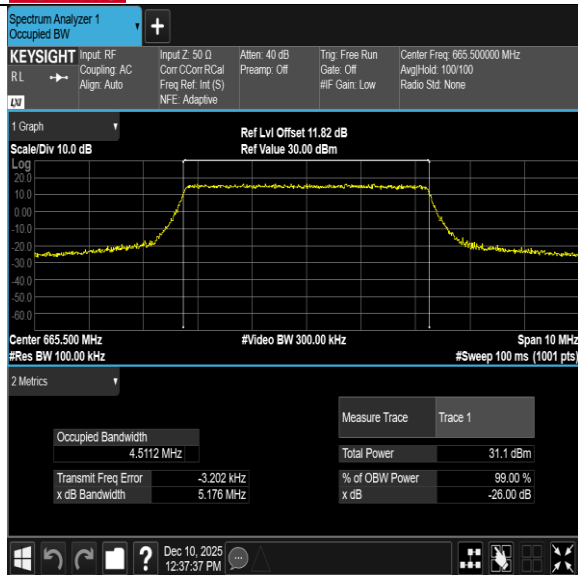
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5112	5.176	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5219	5.161	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5197	5.155	PASS
Band71	5MHz	64QAM	133147	25RB#0	4.5123	5.199	PASS
Band71	5MHz	64QAM	133297	25RB#0	4.5176	5.125	PASS
Band71	5MHz	64QAM	133447	25RB#0	4.5330	5.182	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5148	5.118	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5201	5.147	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5243	5.205	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9913	10.04	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0103	10.01	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9780	10.01	PASS
Band71	10MHz	64QAM	133172	50RB#0	8.9829	10.05	PASS
Band71	10MHz	64QAM	133297	50RB#0	8.9961	10.01	PASS
Band71	10MHz	64QAM	133422	50RB#0	8.9624	9.975	PASS
Band71	10MHz	16QAM	133172	50RB#0	9.0128	10.04	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0270	10.07	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9862	9.955	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.487	14.88	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.466	14.96	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.529	14.91	PASS
Band71	15MHz	64QAM	133197	75RB#0	13.493	14.85	PASS
Band71	15MHz	64QAM	133297	75RB#0	13.481	14.83	PASS
Band71	15MHz	64QAM	133397	75RB#0	13.452	15.02	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.488	14.85	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.483	14.96	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.450	14.94	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.967	19.71	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.946	19.76	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.996	19.84	PASS
Band71	20MHz	64QAM	133222	100RB#0	17.924	19.78	PASS
Band71	20MHz	64QAM	133322	100RB#0	17.998	19.81	PASS
Band71	20MHz	64QAM	133372	100RB#0	17.950	19.83	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.942	19.80	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.957	19.66	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.976	19.86	PASS

Test Graphs

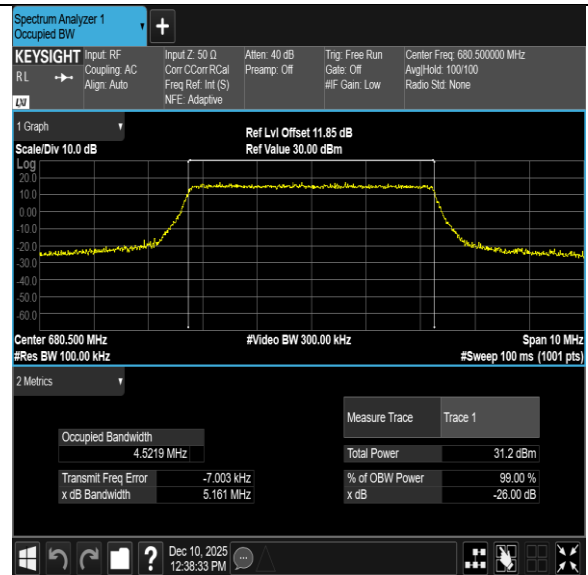
Band71-5MHz-QPSK-133147-25RB#0-PASS	Band71-5MHz-QPSK-133297-25RB#0-PASS
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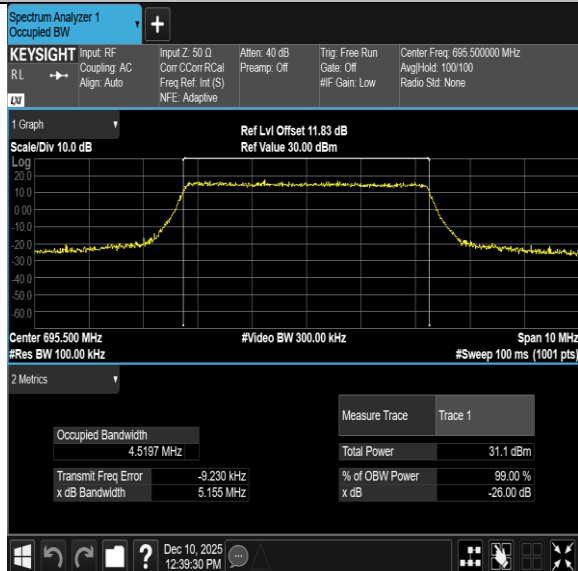
BUREAU VERITAS Test Report No.: PSU-QBJ2512030110RF03



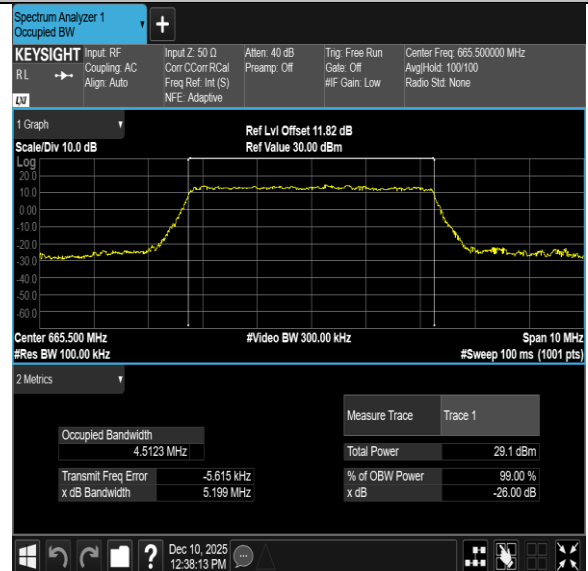
Band71-5MHz-QPSK-133447-25RB#0-PASS



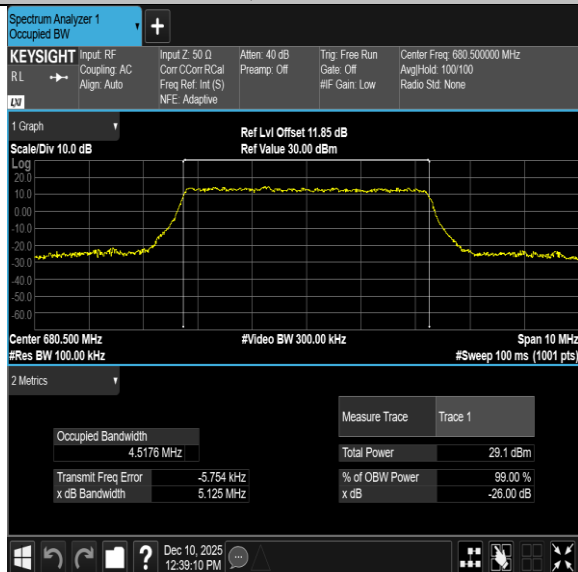
Band71-5MHz-64QAM-133147-25RB#0-PASS



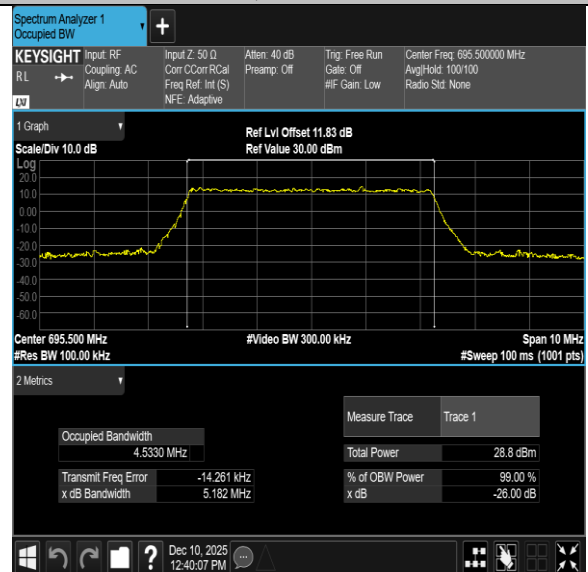
Band71-5MHz-64QAM-133297-25RB#0-PASS



Band71-5MHz-64QAM-133447-25RB#0-PASS



Band71-5MHz-16QAM-133147-25RB#0-PASS



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