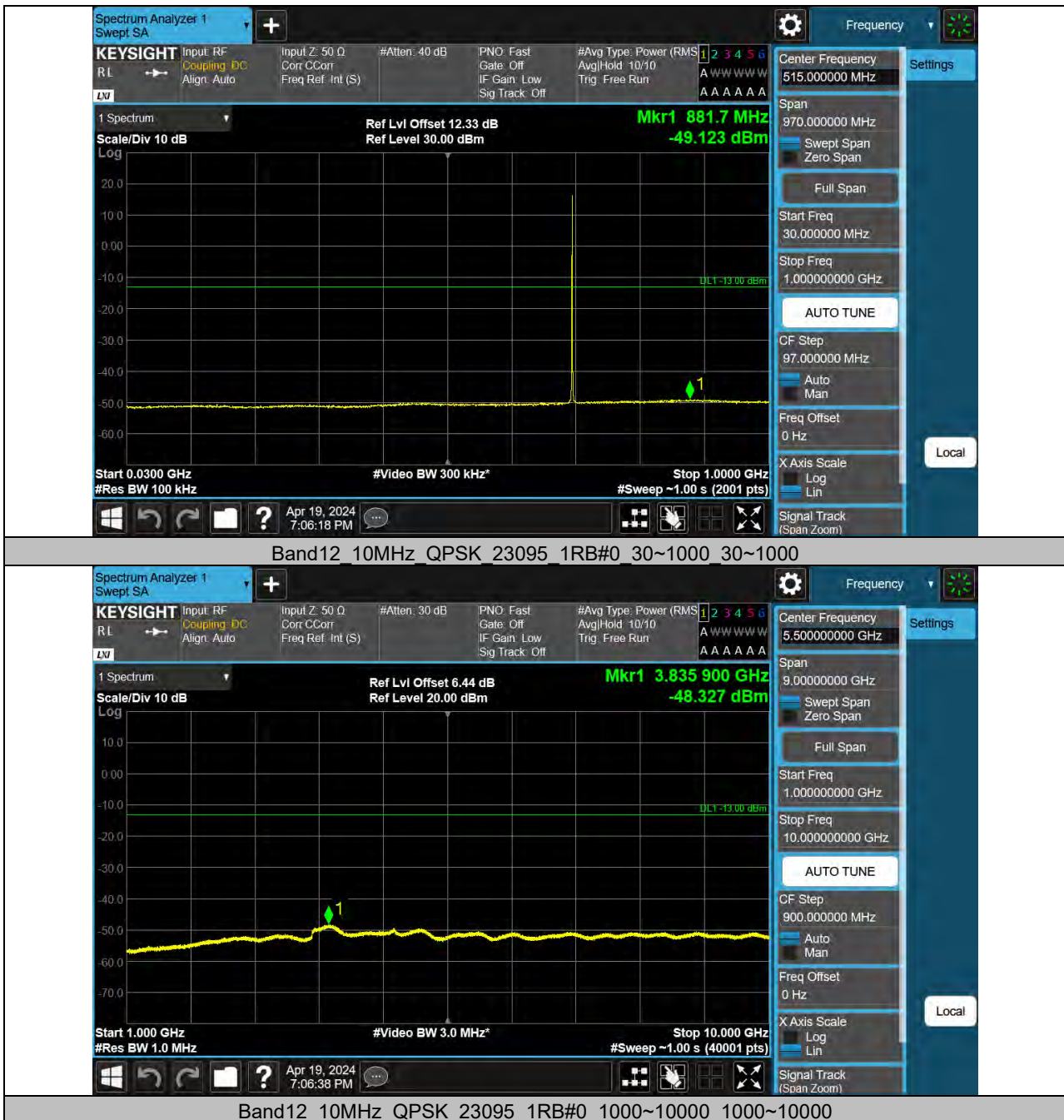




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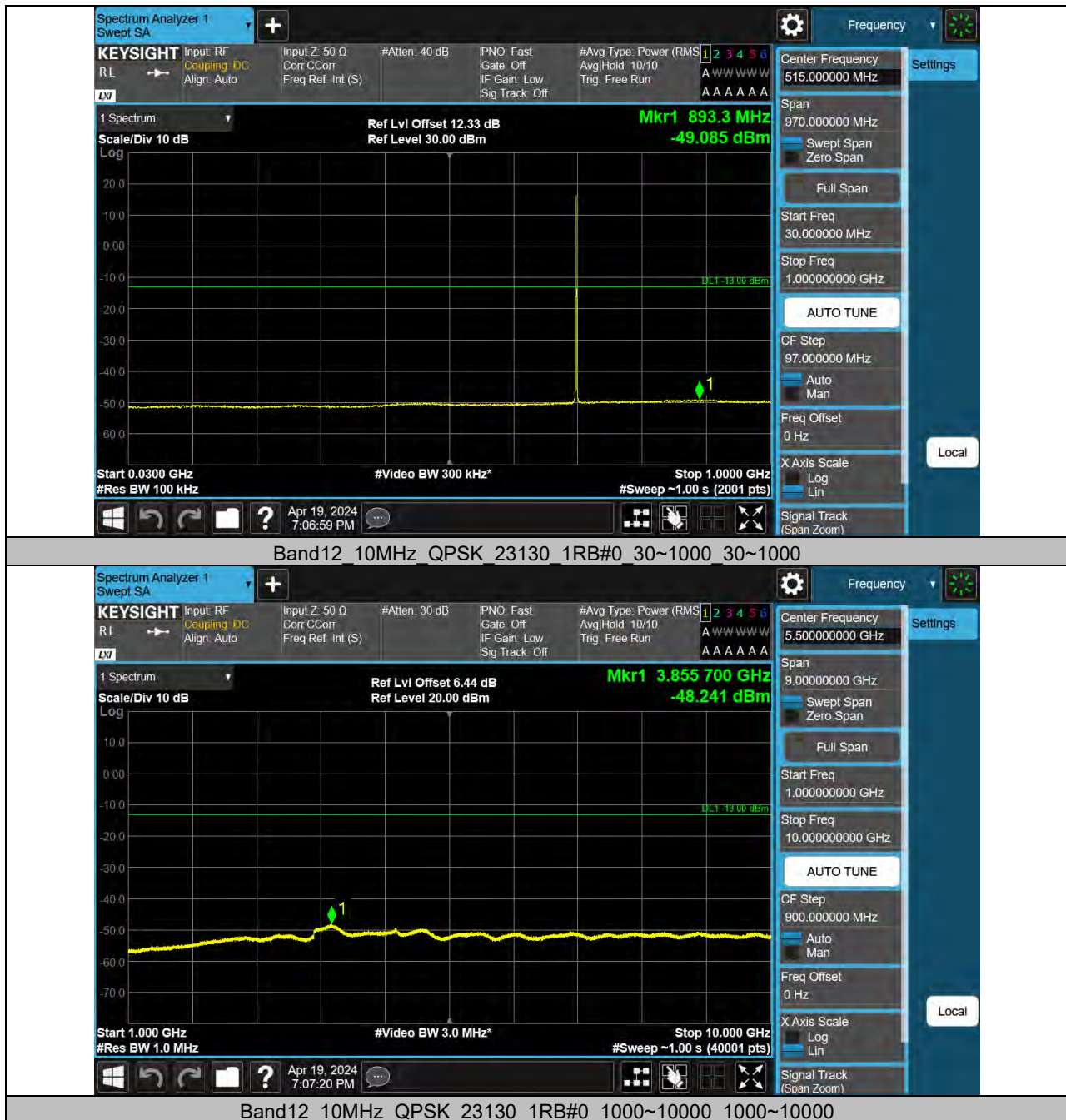
Reference No.: PSU-NQN2403180115RF07





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Reference No.: PSU-NQN2403180115RF07





Reference No.: PSU-NQN2403180115RF07

FREQUENCY STABILITY TEST RESULT

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	1.30	0.001847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	1.80	0.002557	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	1.79	0.002543	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	3.03	0.004283	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	2.52	0.003562	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	3.56	0.005032	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-1.14	-0.001603	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	2.63	0.003699	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	2.57	0.003615	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	-1.29	-0.001832	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	1.13	0.001605	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-10	1.24	0.001761	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	1.30	0.001847	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	1.54	0.002188	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	1.92	0.002727	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	1.33	0.001889	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	3.15	0.004474	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	2.06	0.002926	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	2.39	0.003378	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	2.46	0.003477	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	1.62	0.002290	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	1.39	0.001965	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-1.40	-0.001979	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	2.66	0.003760	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	2.70	0.003816	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	1.06	0.001498	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-0.86	-0.001216	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	2.35	0.003305	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	2.45	0.003446	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	1.54	0.002166	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	0	2.69	0.003783	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	3.40	0.004782	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	1.72	0.002419	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-1.04	-0.001463	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	-0.96	-0.001350	±2.5	PASS



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Band12	10MHz	QPSK	23130	50RB#0	NV	50	1.37	0.001927	±2.5	PASS
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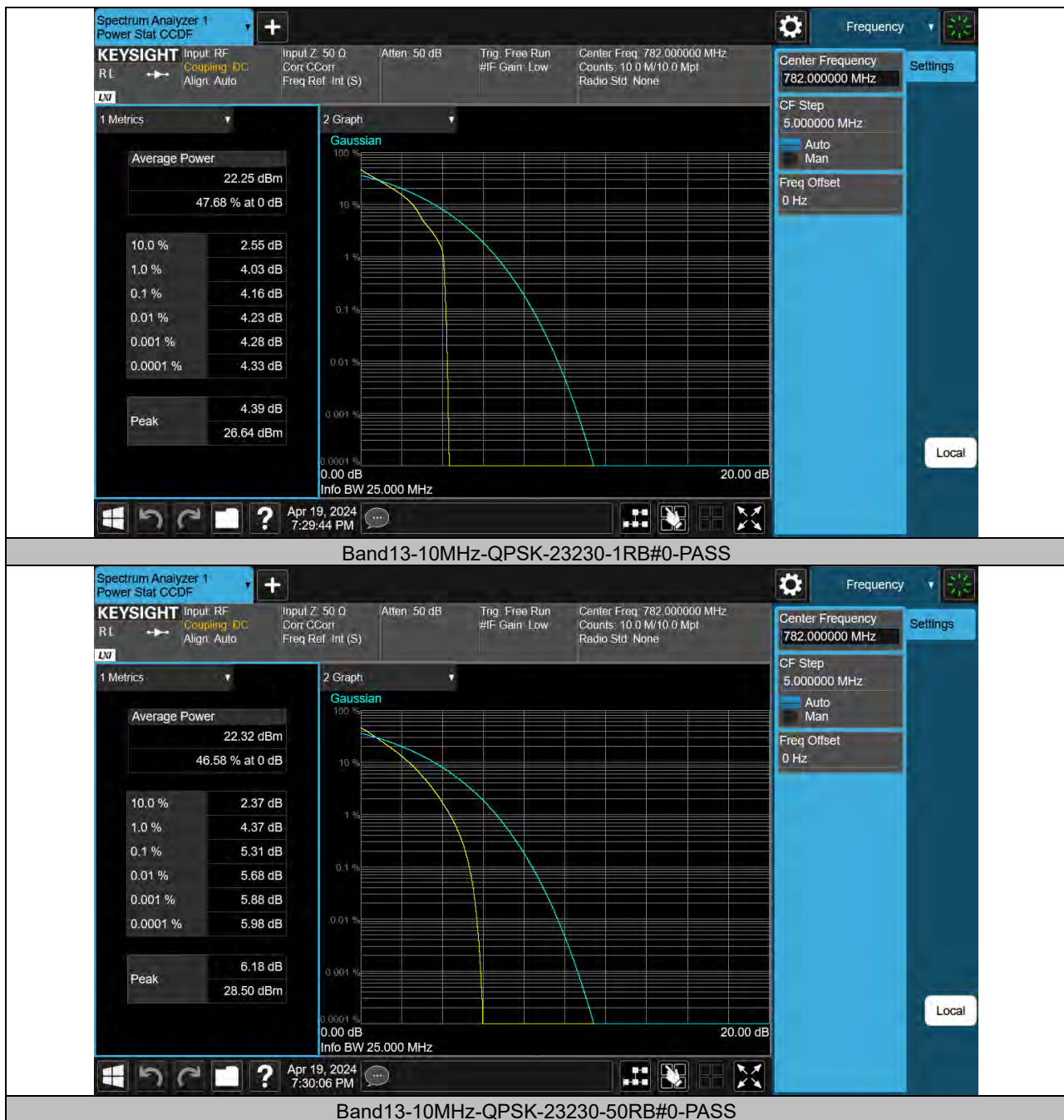
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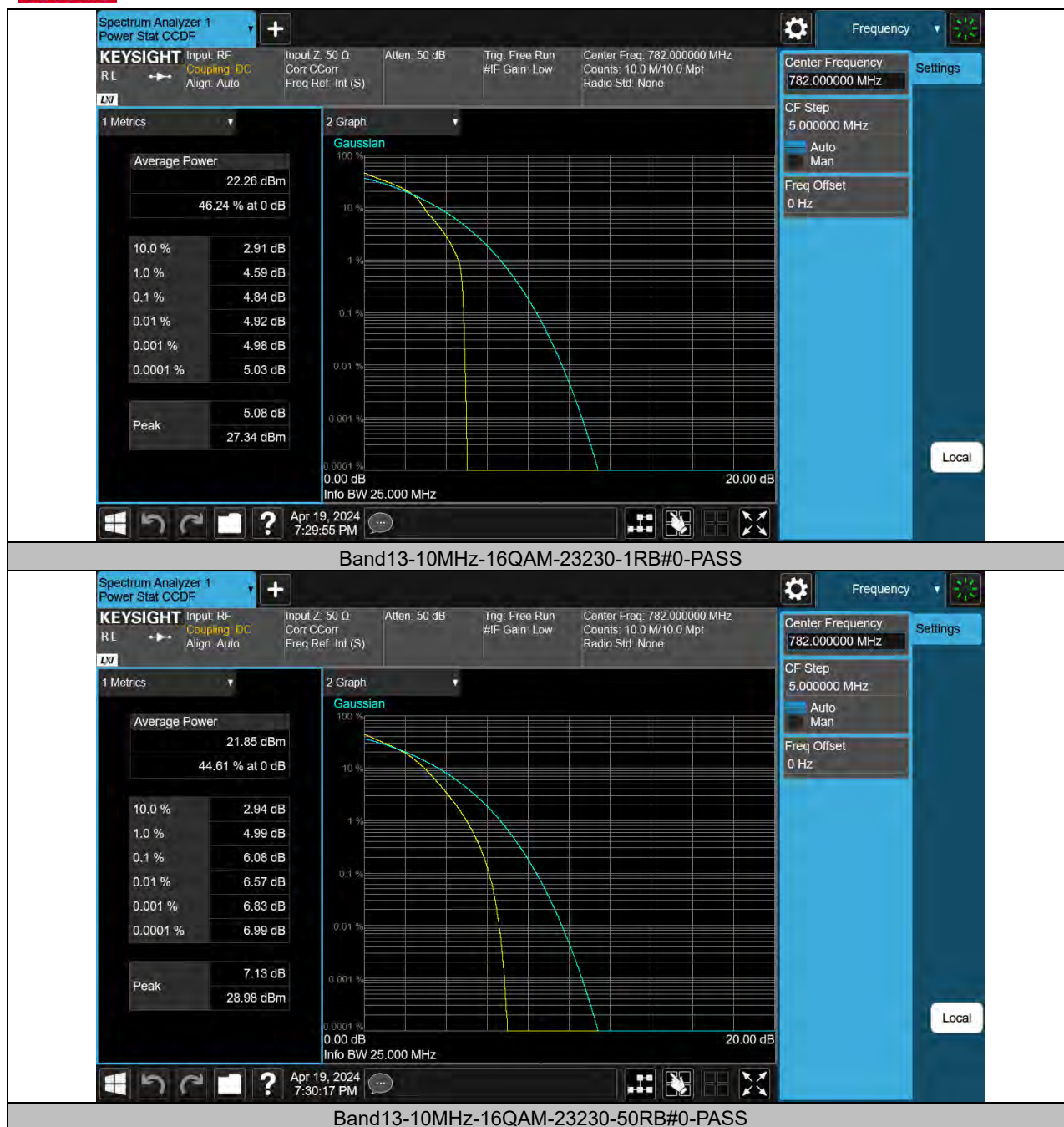
LTE BAND13

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	4.16	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.31	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.84	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.08	13	PASS

TEST GRAPHS

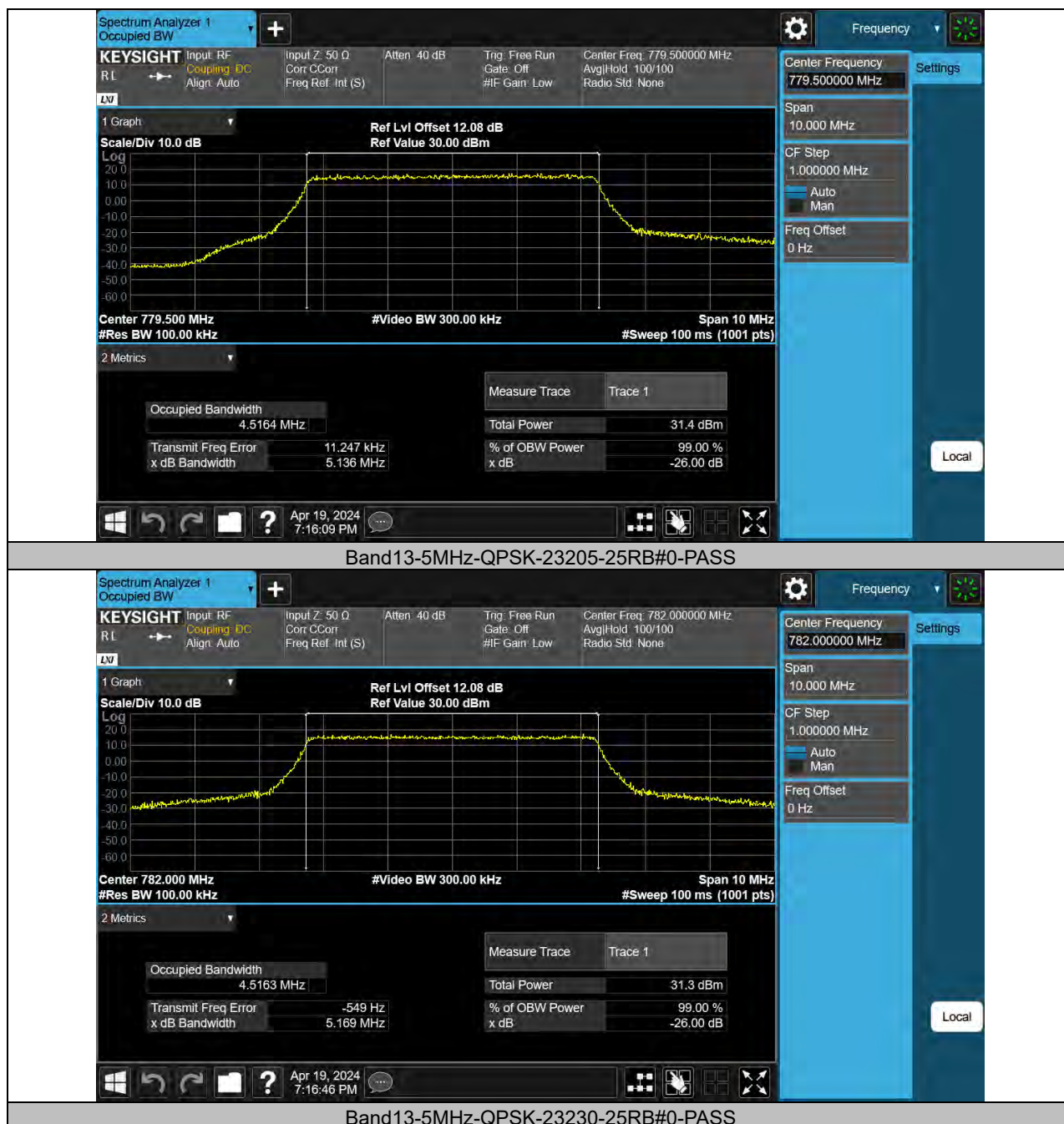




26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5164	5.136	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5163	5.169	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5155	5.186	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5083	5.152	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5175	5.152	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5250	5.184	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9589	9.871	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9560	9.947	PASS

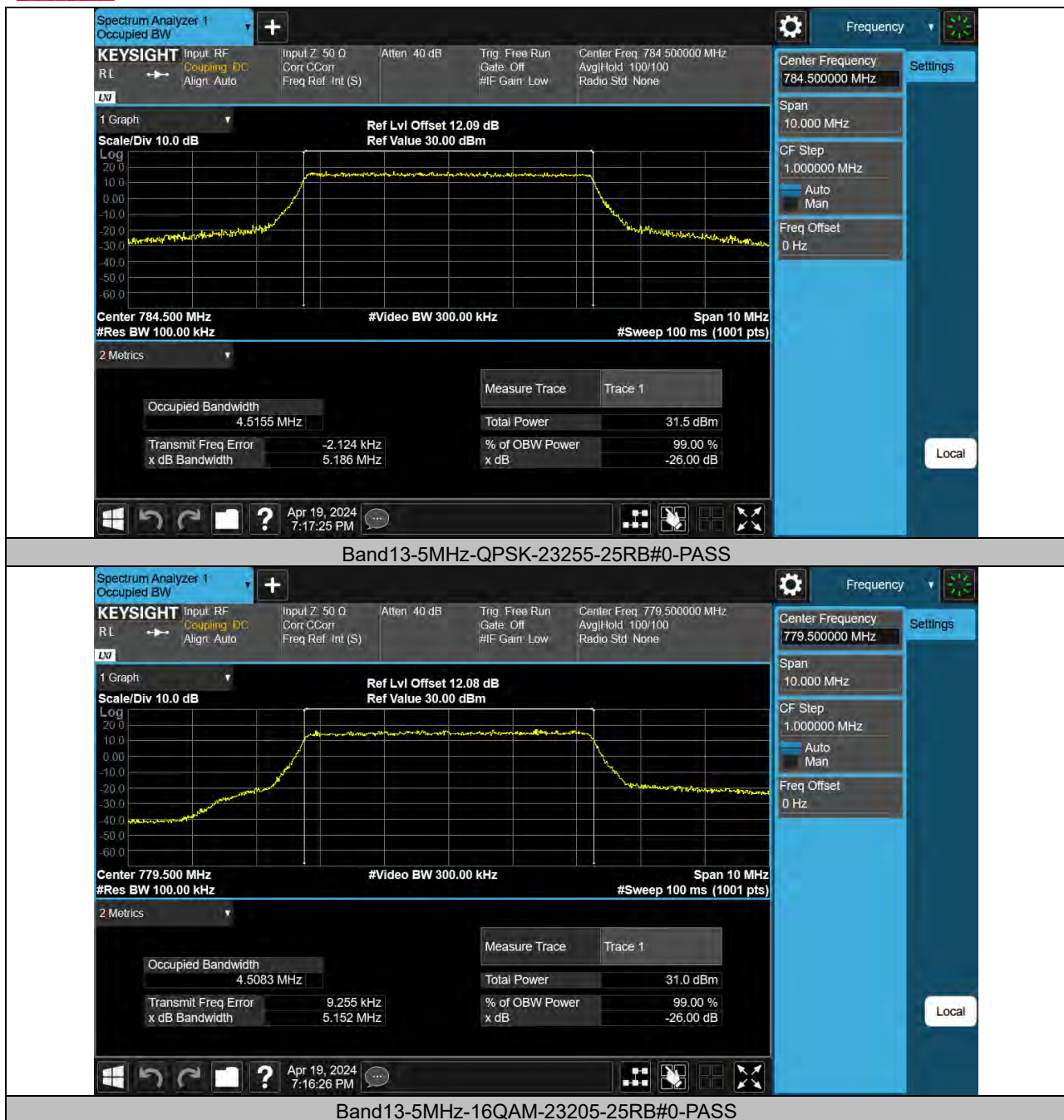
TEST GRAPHS





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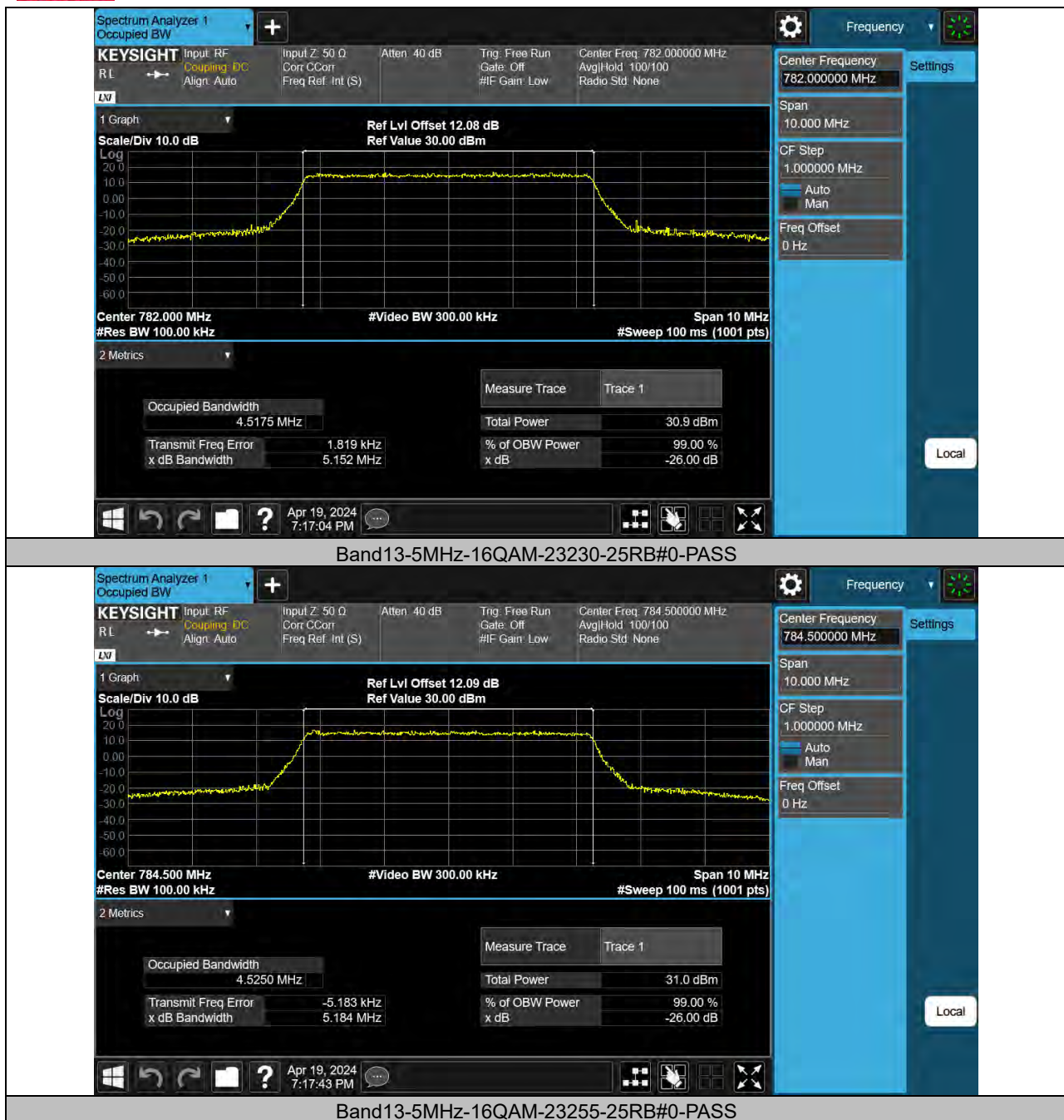
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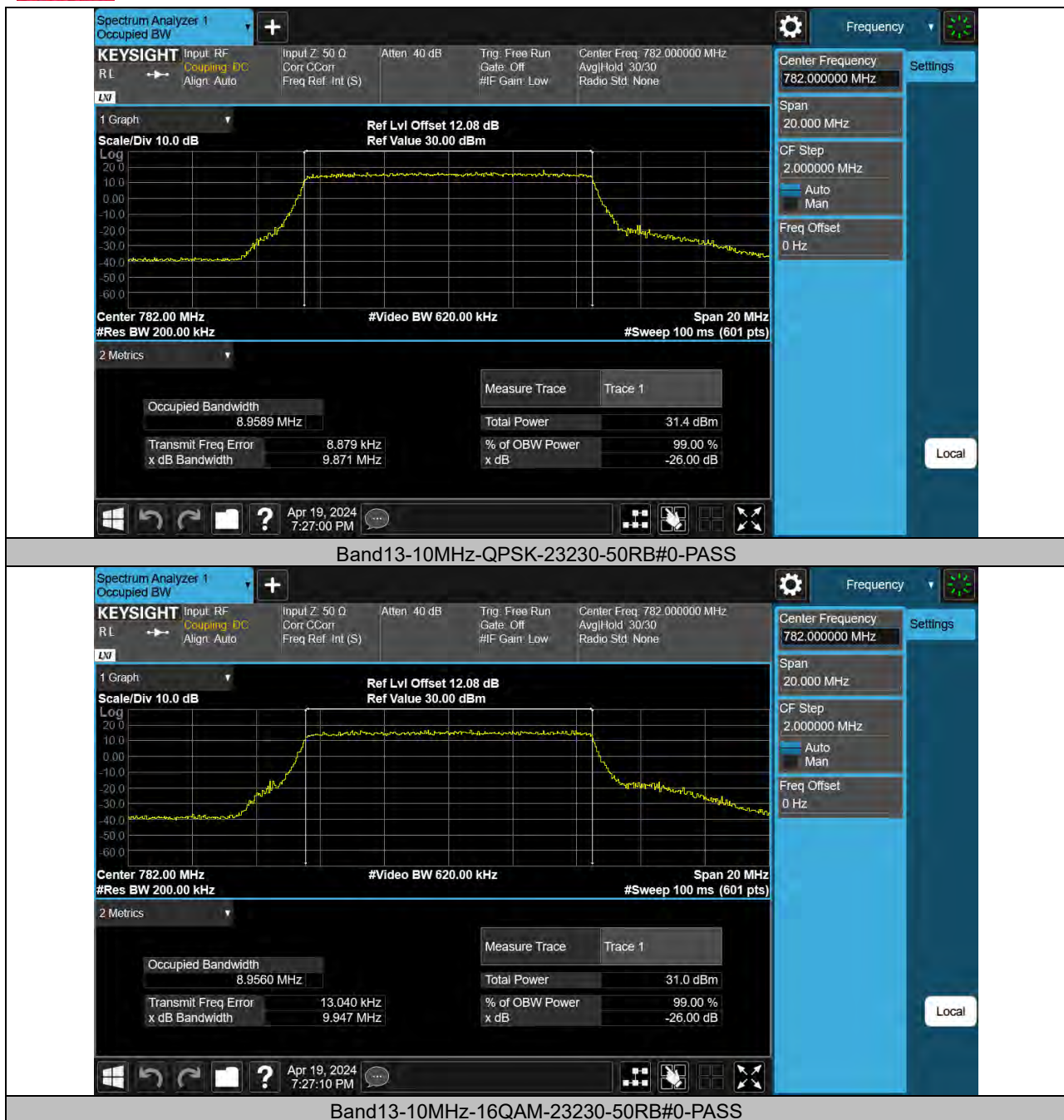
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Reference No.: PSU-NQN2403180115RF07



BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-59.98	PASS
Band13	5MHz	QPSK	23205	25RB#0	-59.31	PASS
Band13	5MHz	QPSK	23255	1RB#24	-59.87	PASS
Band13	5MHz	QPSK	23255	25RB#0	-60.29	PASS
Band13	5MHz	16QAM	23205	1RB#0	-60.07	PASS
Band13	5MHz	16QAM	23205	25RB#0	-60.40	PASS
Band13	5MHz	16QAM	23255	1RB#24	-59.35	PASS
Band13	5MHz	16QAM	23255	25RB#0	-60.09	PASS
Band13	10MHz	QPSK	23230	1RB#0	-60.35	PASS
Band13	10MHz	QPSK	23230	1RB#49	-60.30	PASS
Band13	10MHz	QPSK	23230	50RB#0	-59.82	PASS
Band13	10MHz	16QAM	23230	1RB#0	-59.81	PASS
Band13	10MHz	16QAM	23230	1RB#49	-59.73	PASS
Band13	10MHz	16QAM	23230	50RB#0	-60.32	PASS



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Reference No.: PSU-NQN2403180115RF07

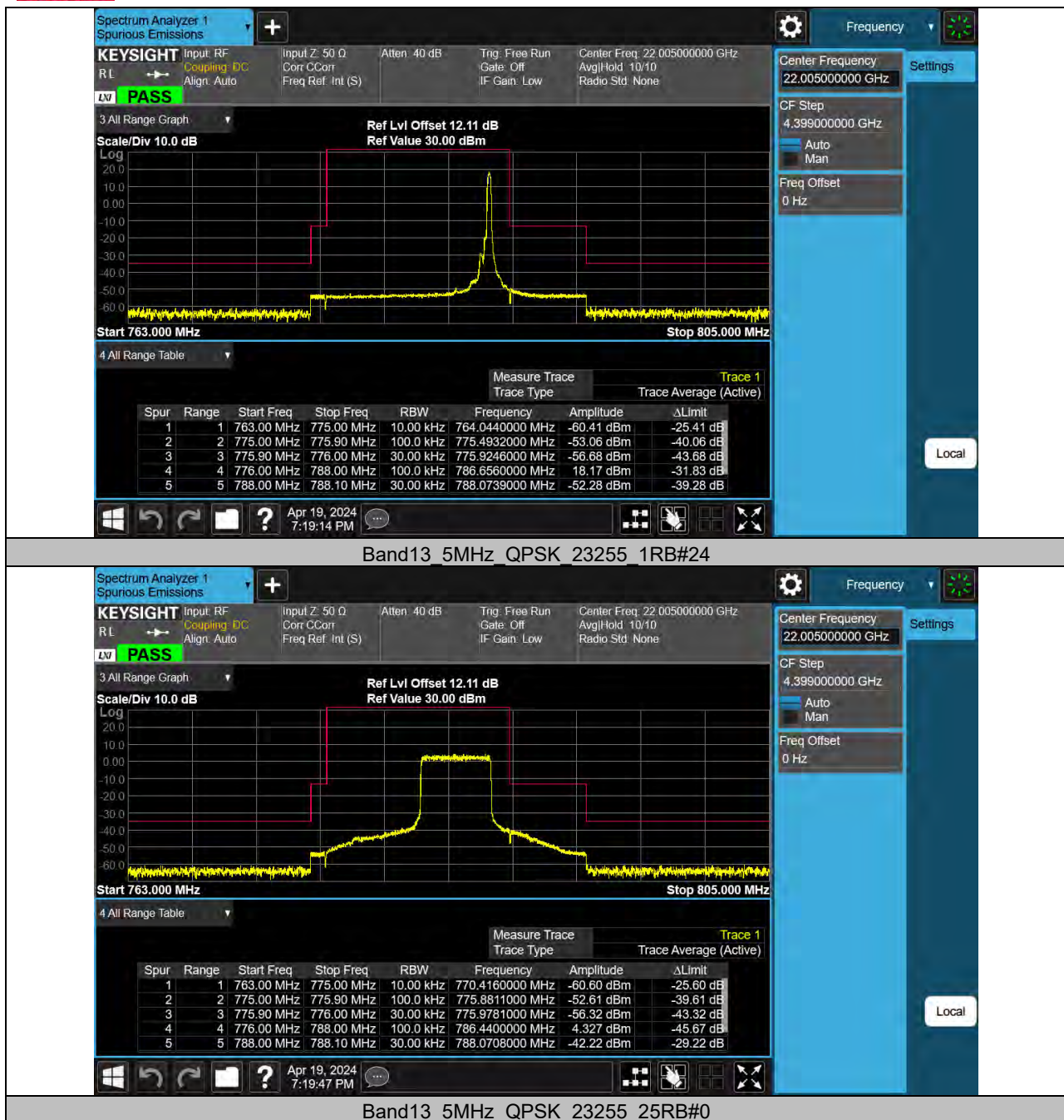
TEST GRAPHS





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Reference No.: PSU-NQN2403180115RF07





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Reference No.: PSU-NQN2403180115RF07



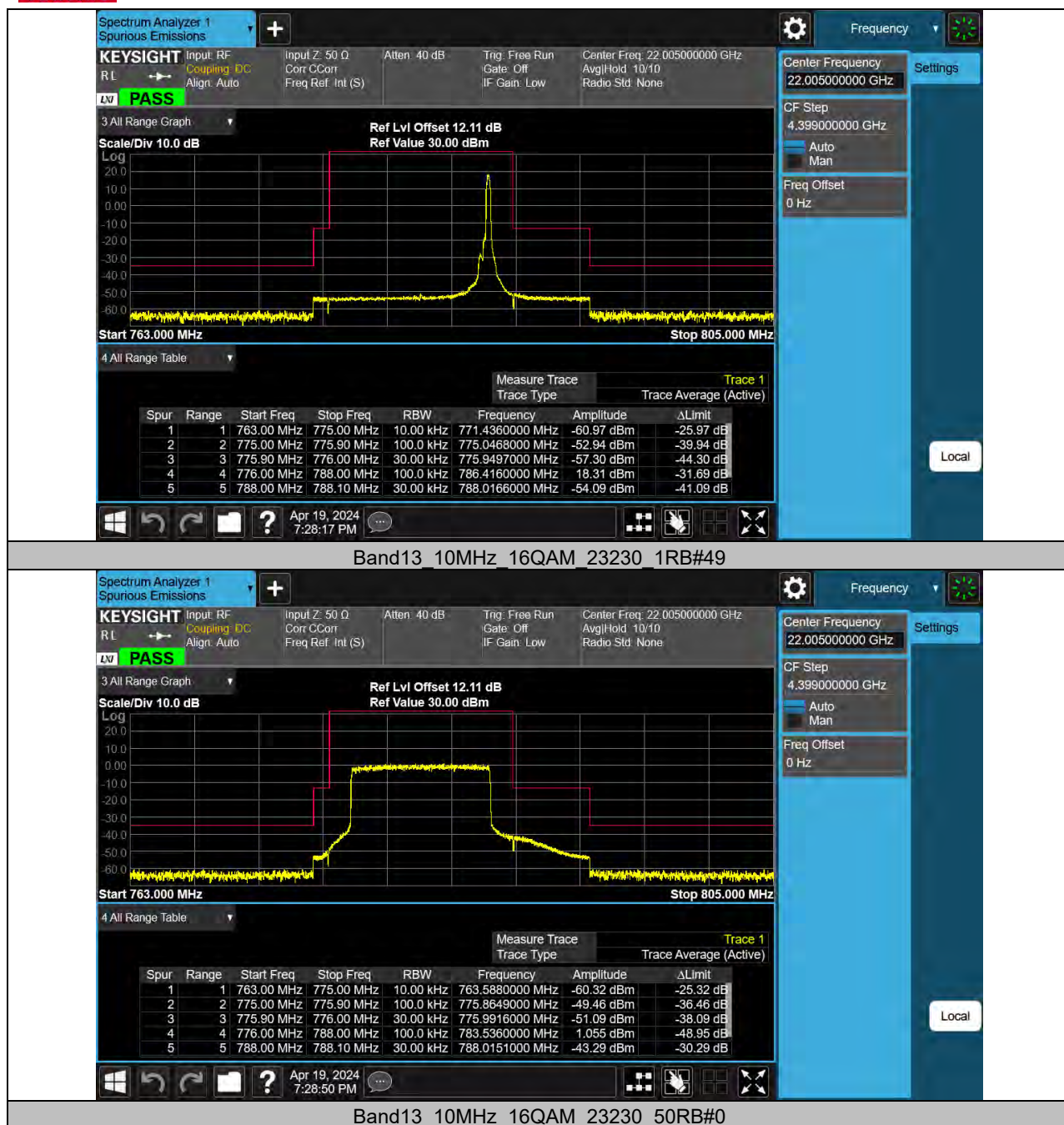


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Reference No.: PSU-NQN2403180115RF07





Reference No.: PSU-NQN2403180115RF07

CONDUCTED SPURIOUS EMISSION TEST RESULT

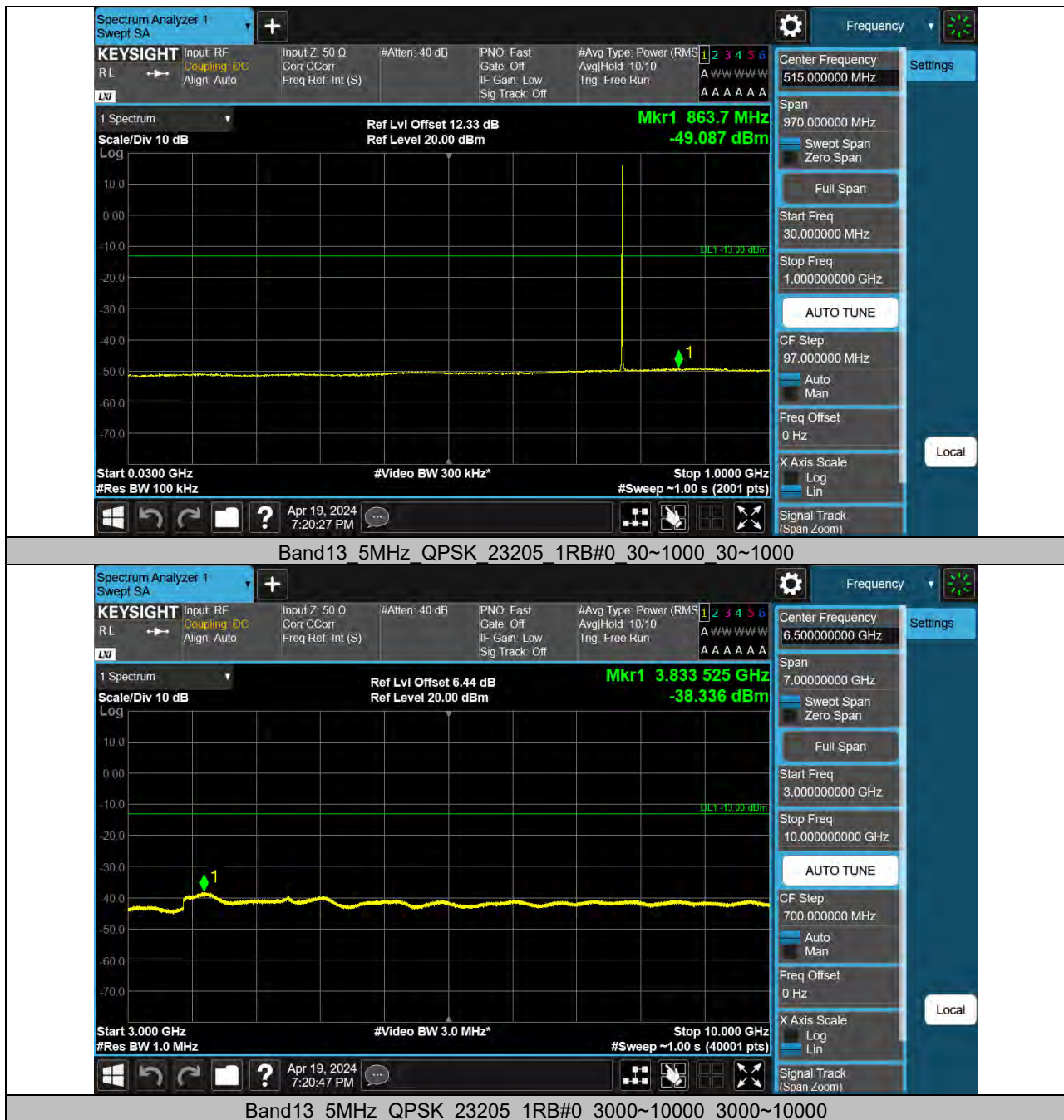
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-49.09	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-38.34	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-49.15	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-38.36	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-49.05	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-38.26	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-49.05	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-38.31	PASS



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Reference No.: PSU-NQN2403180115RF07

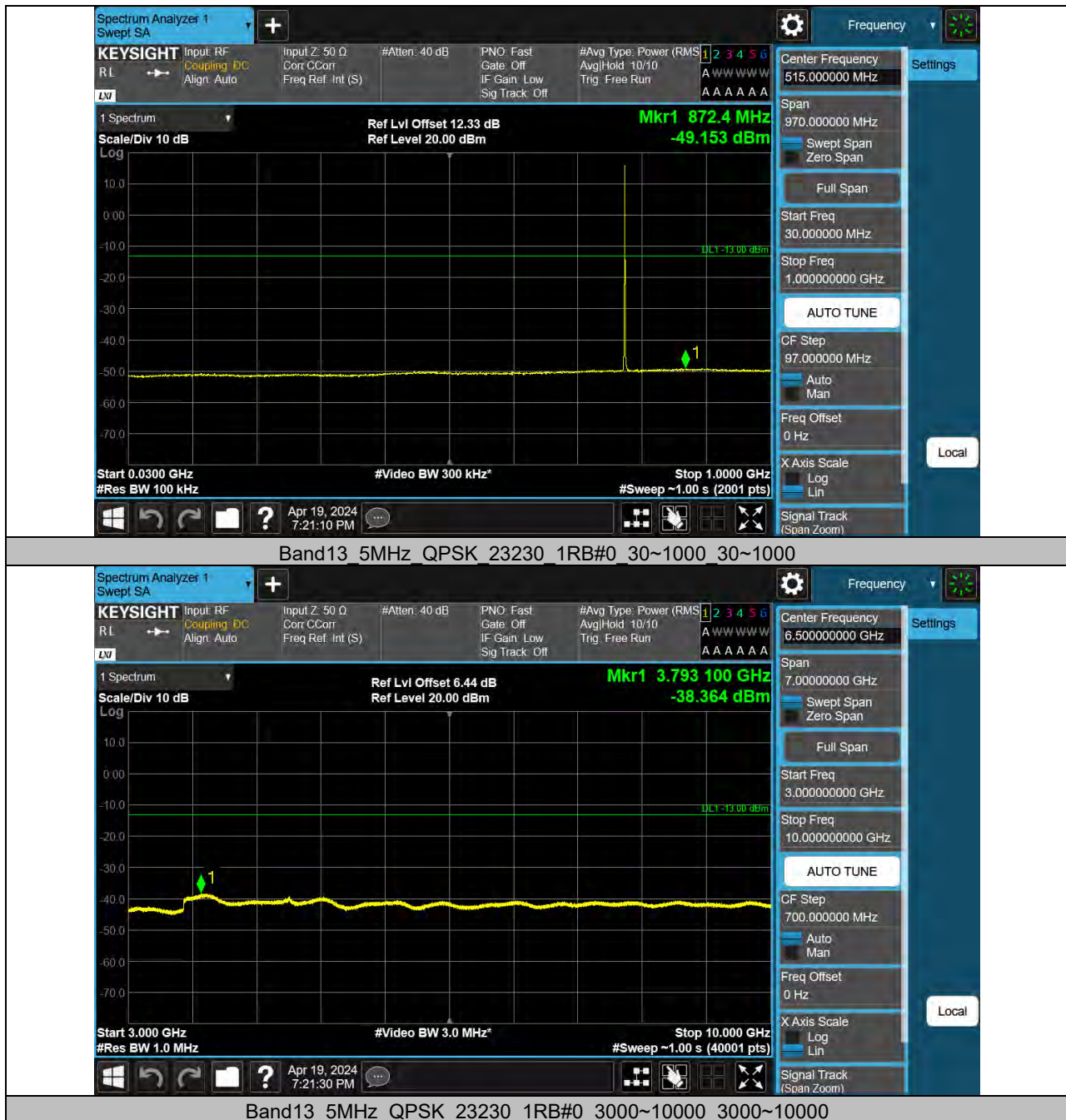
TEST GRAPHS





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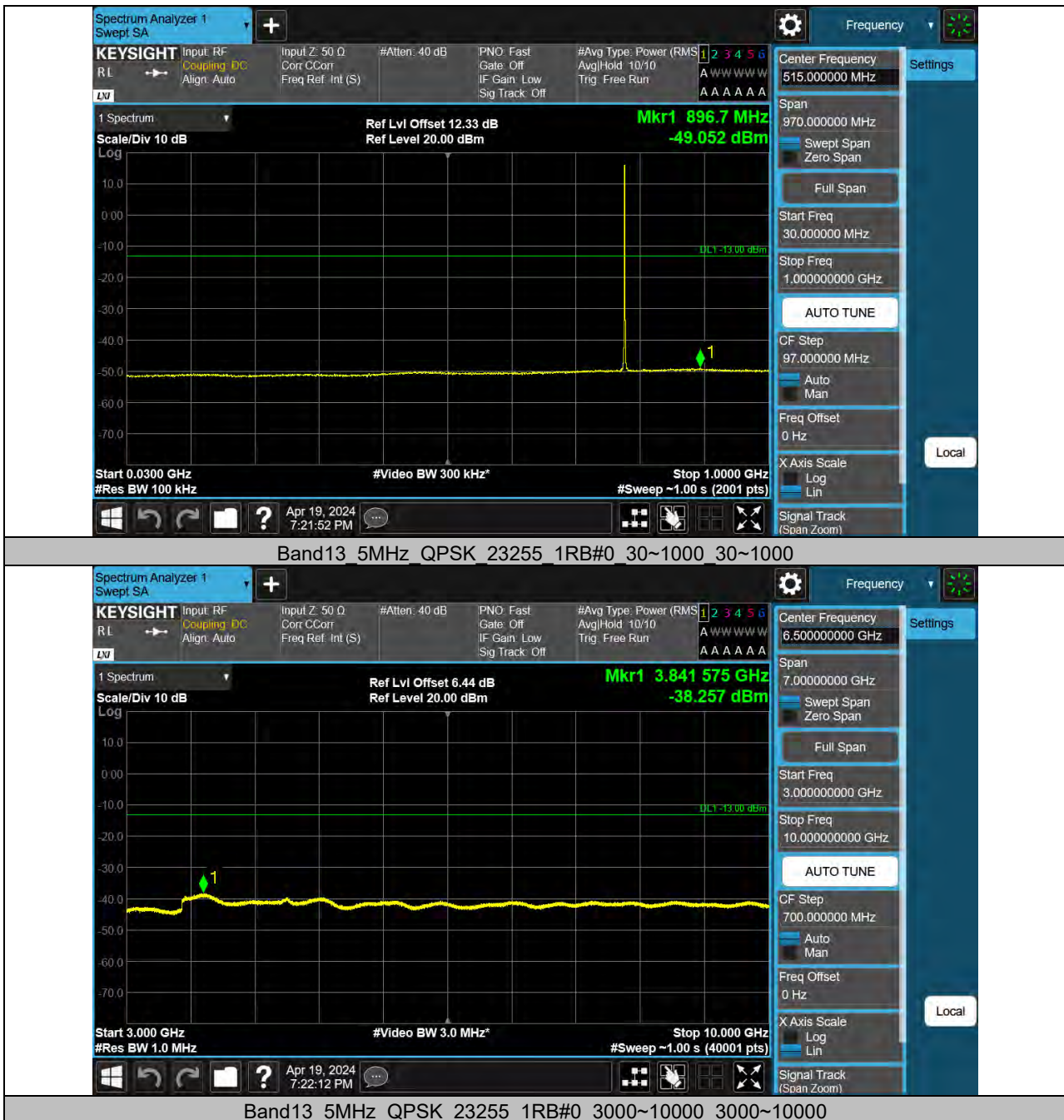
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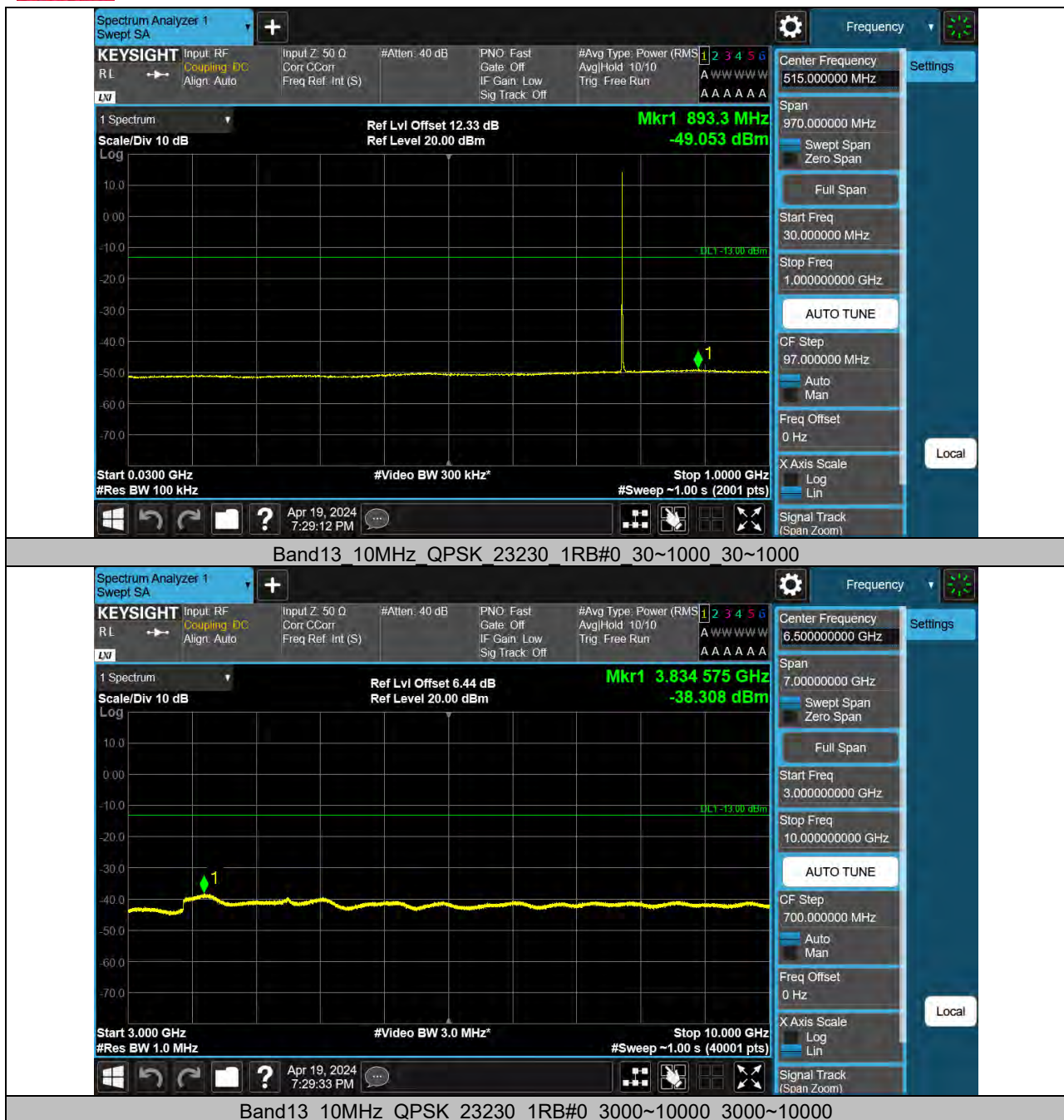
Reference No.: PSU-NQN2403180115RF07





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Reference No.: PSU-NQN2403180115RF07





Reference No.: PSU-NQN2403180115RF07

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	2.55	0.003271	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	4.55	0.005837	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	4.02	0.005157	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-1.04	-0.001330	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-2.07	-0.002647	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	2.16	0.002762	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-1.43	-0.001823	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-1.62	-0.002065	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	3.32	0.004232	±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	2.73	0.003502	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	3.63	0.004657	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	2.95	0.003784	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-1.39	-0.001783	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	1.99	0.002553	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	2.05	0.002630	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	2.65	0.003400	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	1.12	0.001437	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	2.37	0.003040	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	1.66	0.002123	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	2.43	0.003107	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	2.37	0.003031	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	1.99	0.002545	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	1.77	0.002263	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	2.96	0.003785	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	2.50	0.003197	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	1.76	0.002251	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	2.32	0.002967	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	2.47	0.003149	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-1.89	-0.002409	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	2.45	0.003123	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2.93	0.003735	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	2.82	0.003595	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	0.99	0.001262	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	3.22	0.004105	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-1.02	-0.001300	±2.5	PASS



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Band13	5MHz	QPSK	23255	25RB#0	NV	50	-2.49	-0.003174	±2.5	PASS
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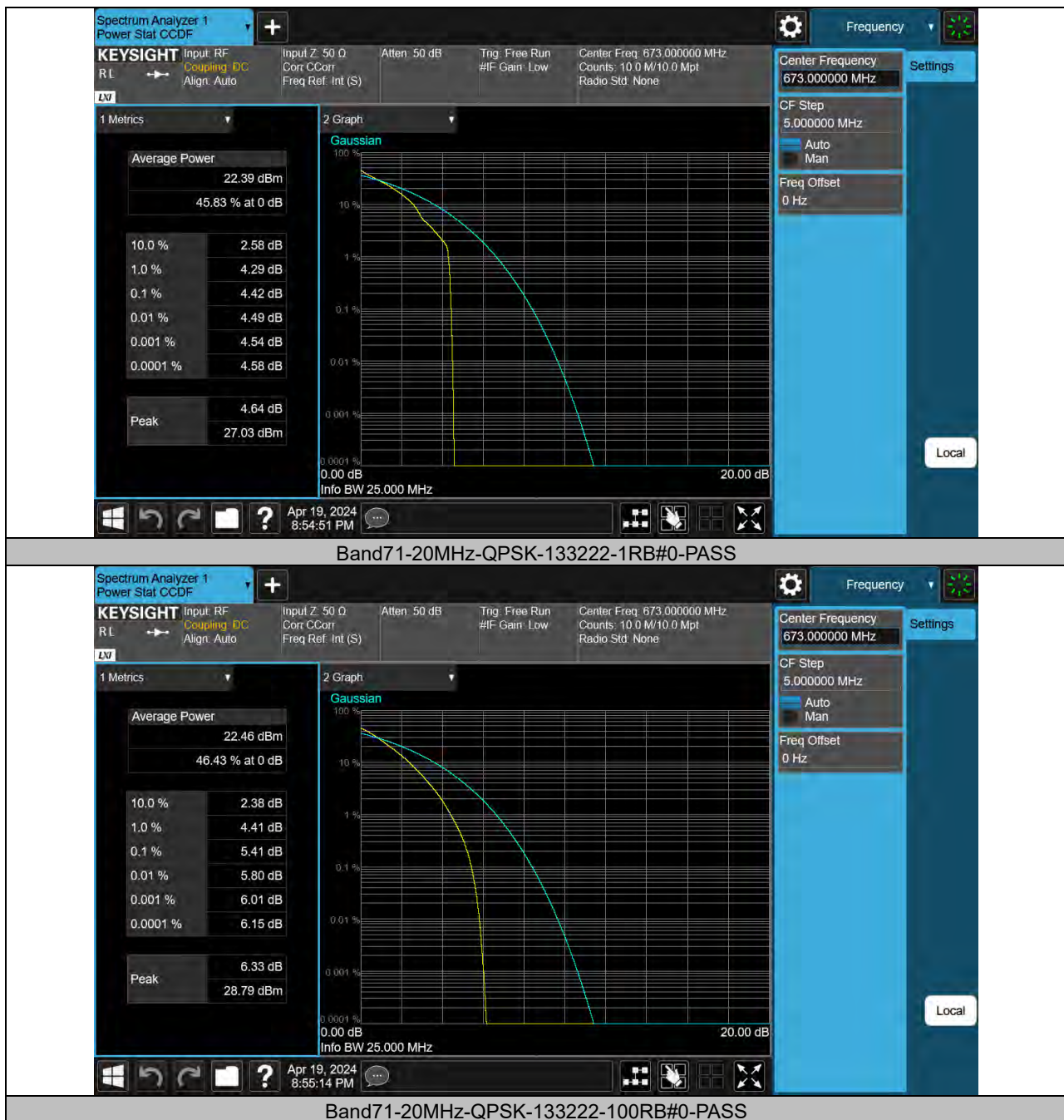
Reference No.: PSU-NQN2403180115RF07

LTE BAND71

PEAK-TO-AVERAGE RATIO(CCDF) TEST RESULT

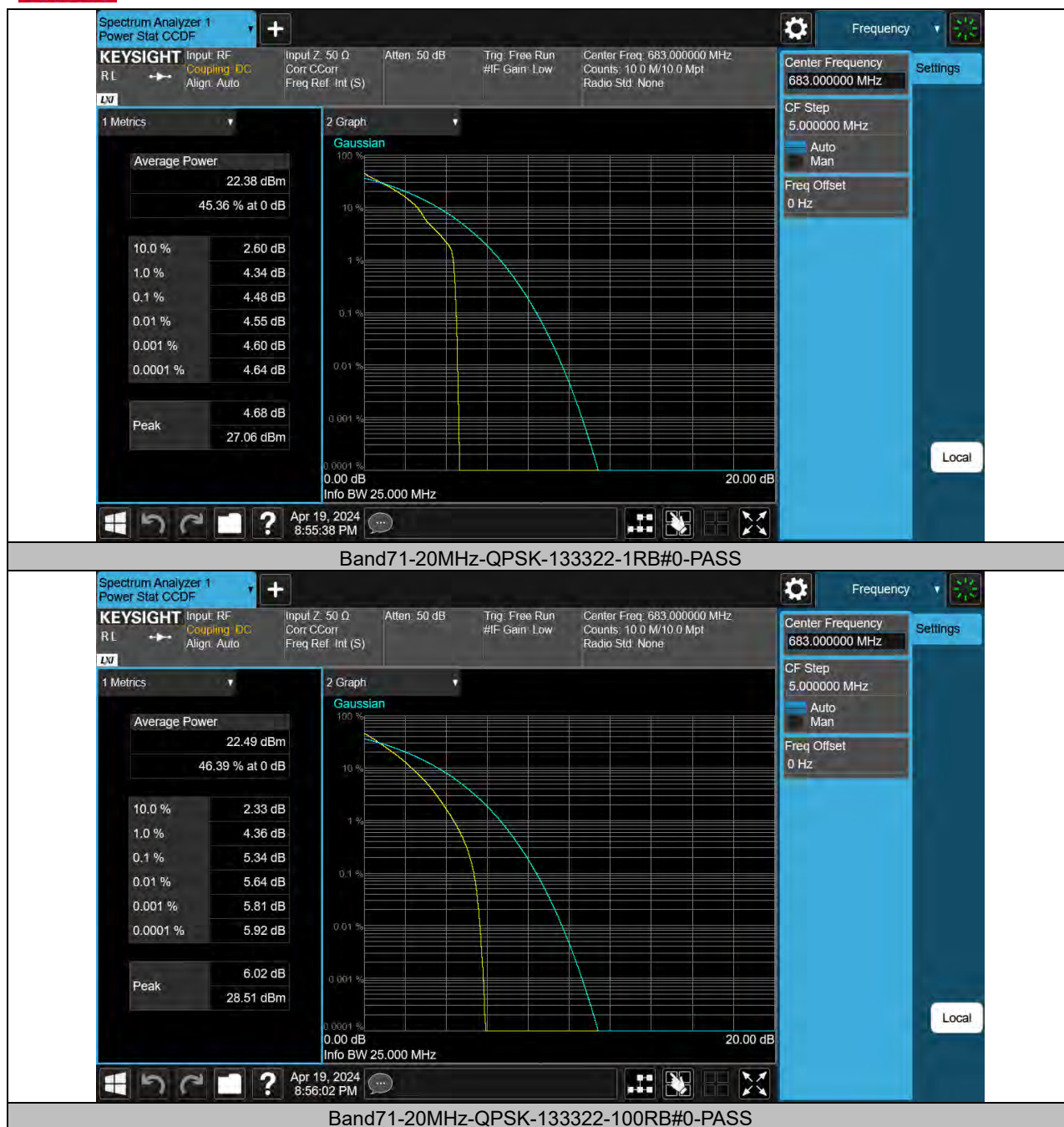
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	20MHz	QPSK	133222	1RB#0	4.42	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.41	13	PASS
Band71	20MHz	QPSK	133322	1RB#0	4.48	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.34	13	PASS
Band71	20MHz	QPSK	133372	1RB#0	4.47	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.37	13	PASS
Band71	20MHz	16QAM	133222	1RB#0	5.27	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.31	13	PASS
Band71	20MHz	16QAM	133322	1RB#0	5.42	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.28	13	PASS
Band71	20MHz	16QAM	133372	1RB#0	5.45	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.29	13	PASS

TEST GRAPHS



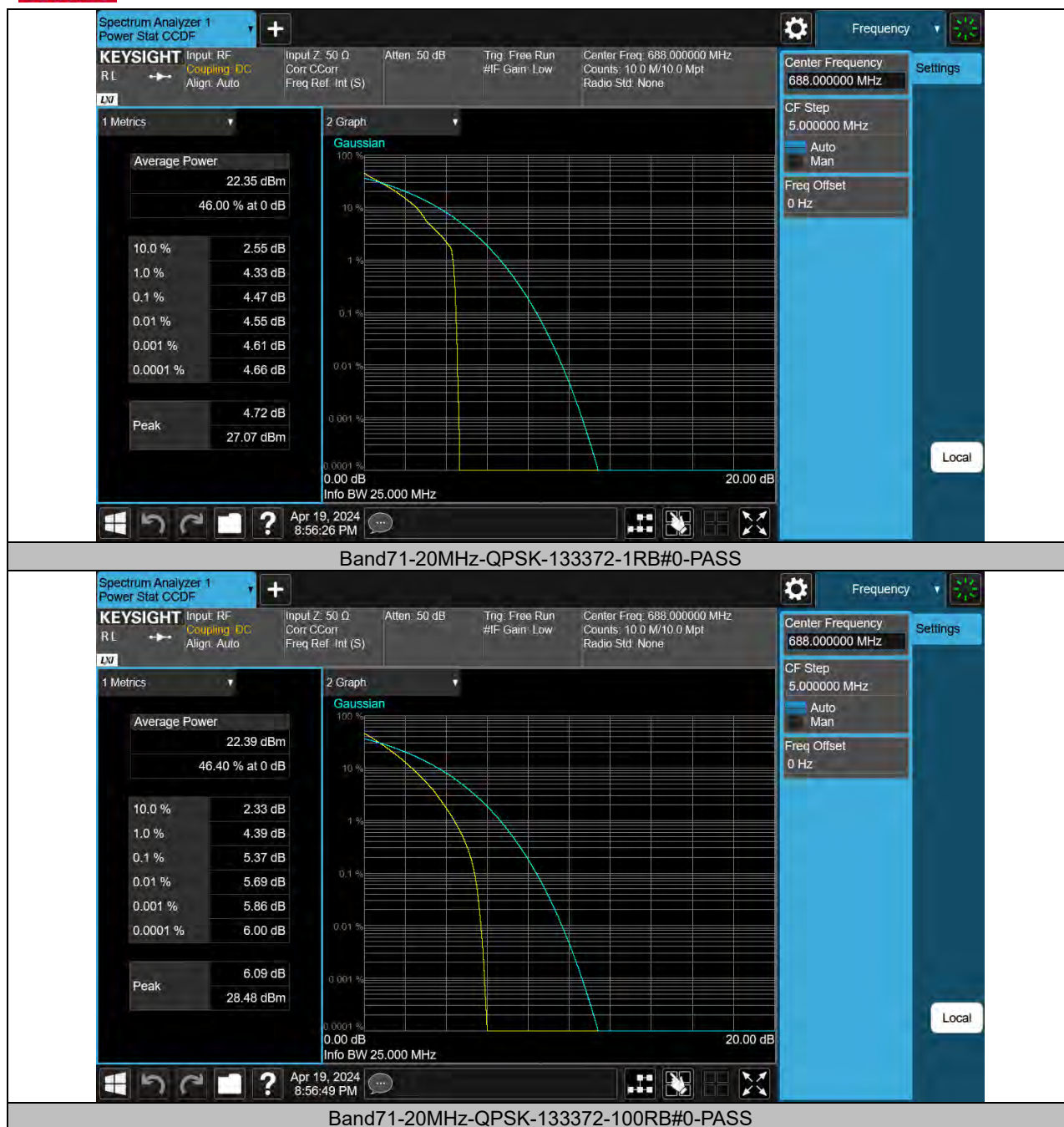


Reference No.: PSU-NQN2403180115RF07



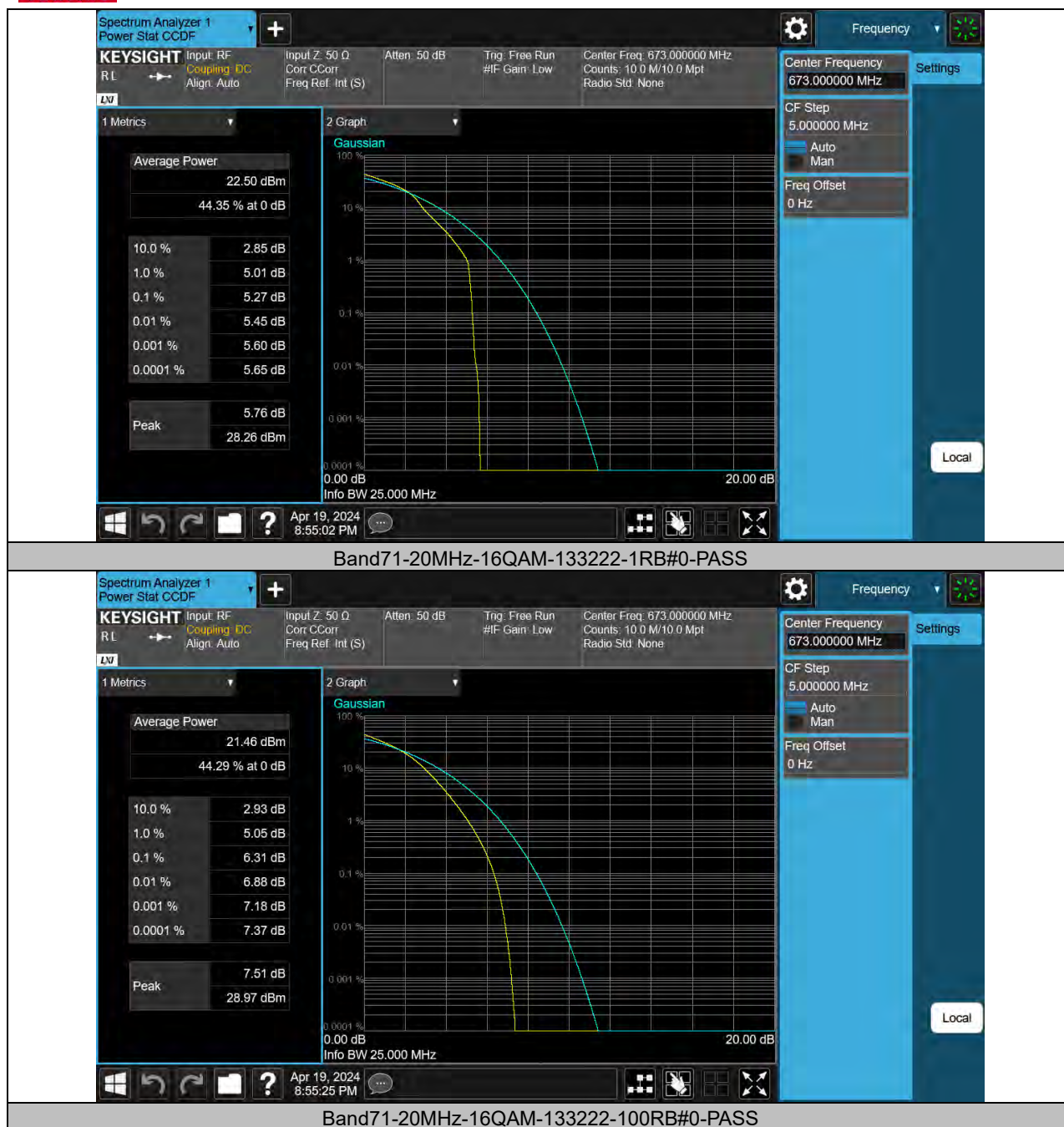


Reference No.: PSU-NQN2403180115RF07





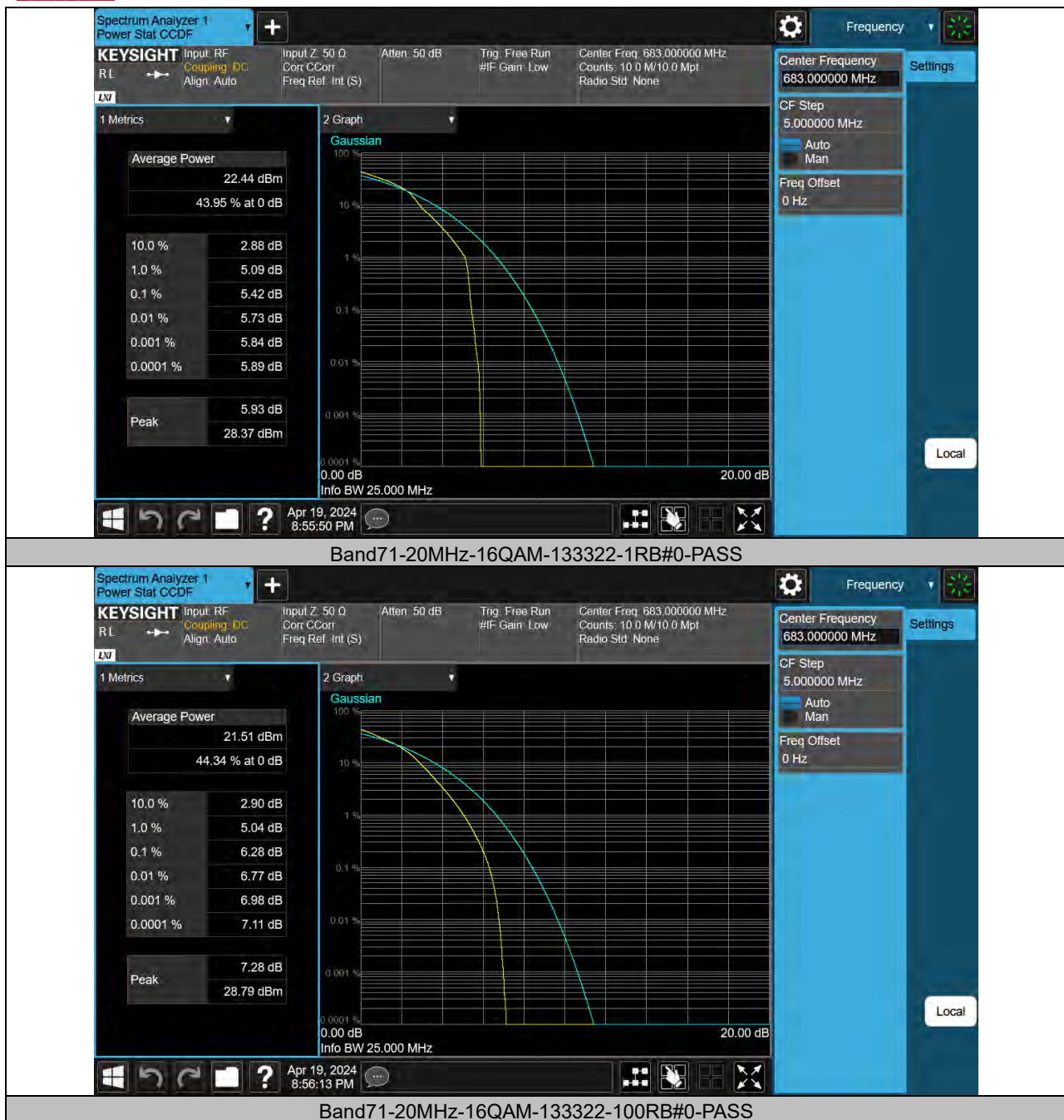
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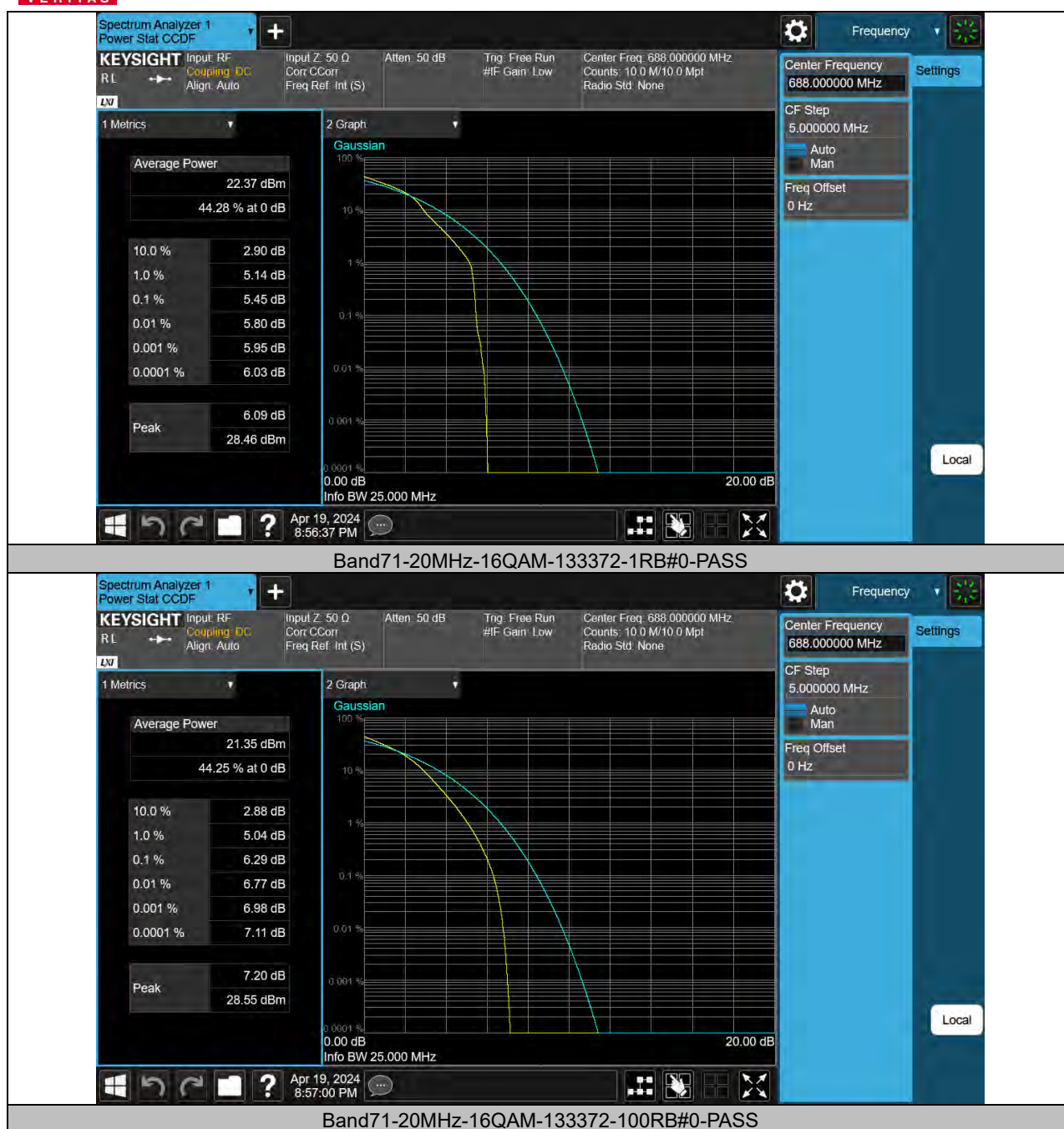




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Reference No.: PSU-NQN2403180115RF07

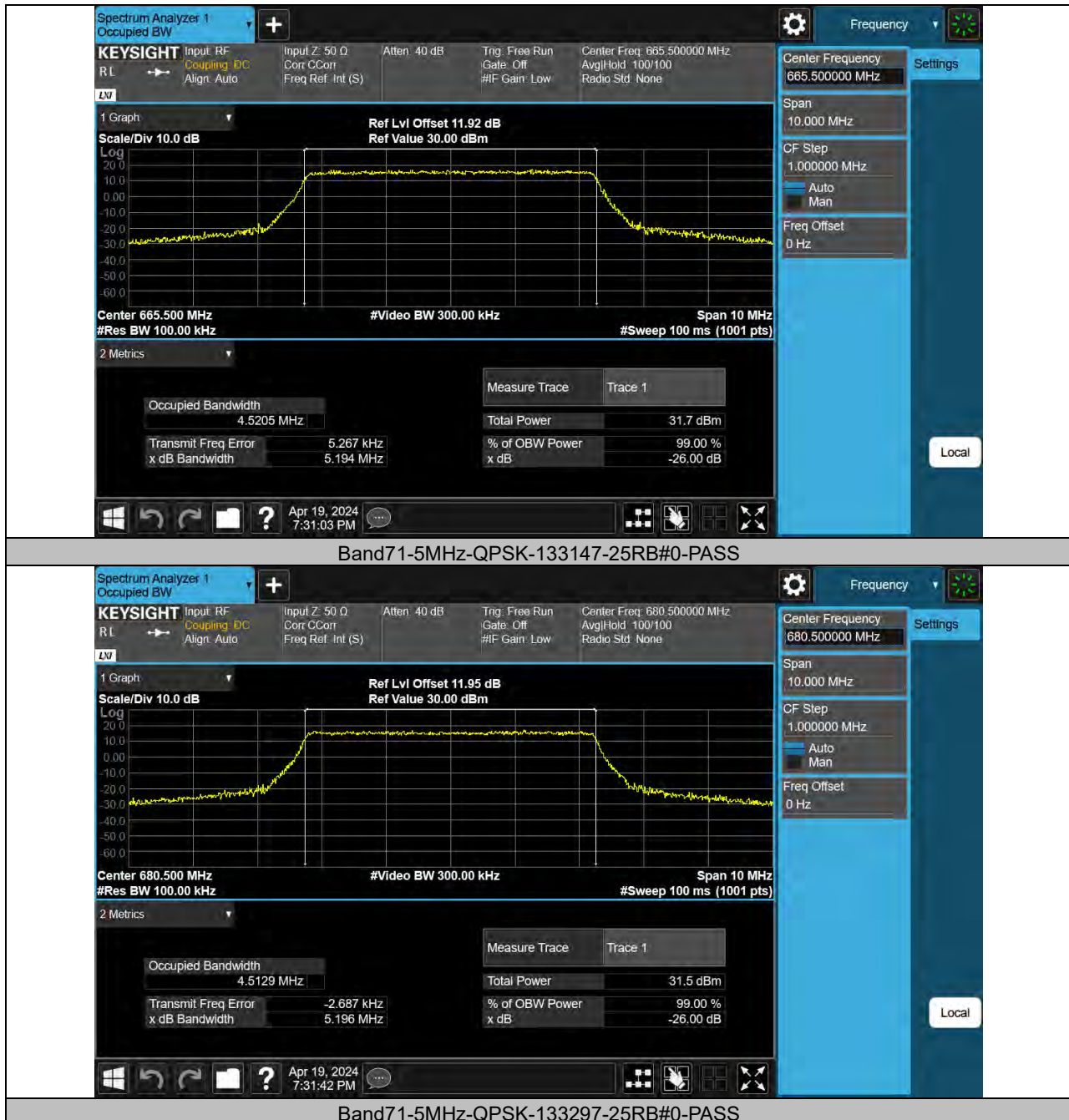




26DB BANDWIDTH AND OCCUPIED BANDWIDTH TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5205	5.194	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5129	5.196	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5239	5.148	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5088	5.147	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5166	5.132	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5227	5.140	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9613	9.986	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9860	10.05	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9766	9.970	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9532	9.947	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0052	9.972	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9917	9.948	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.465	15.03	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.454	14.91	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.513	15.05	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.466	14.90	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.472	14.86	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.485	14.96	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.898	19.72	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.925	19.70	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.952	19.78	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.933	19.69	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.917	19.71	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.946	19.67	PASS

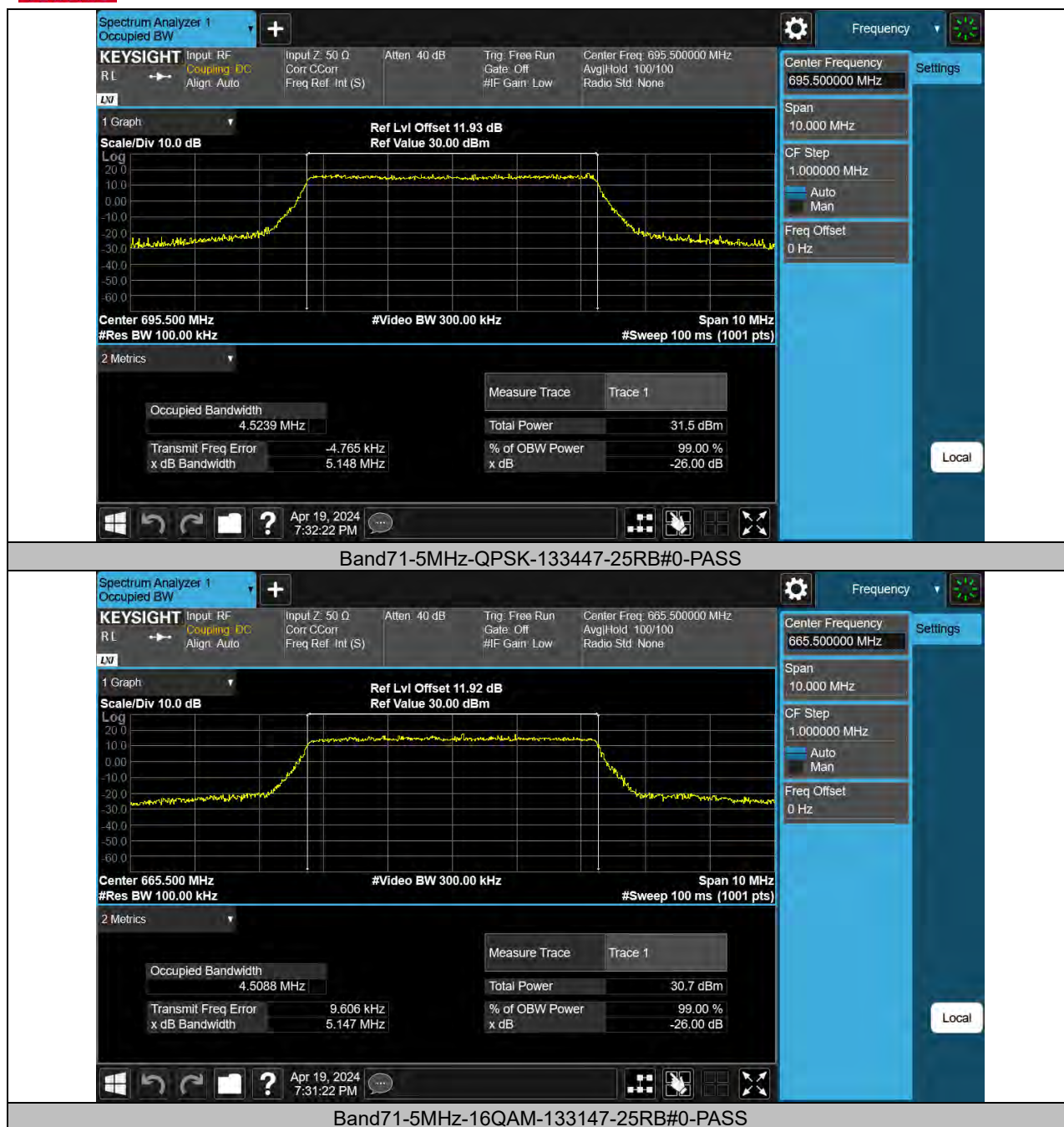
TEST GRAPHS





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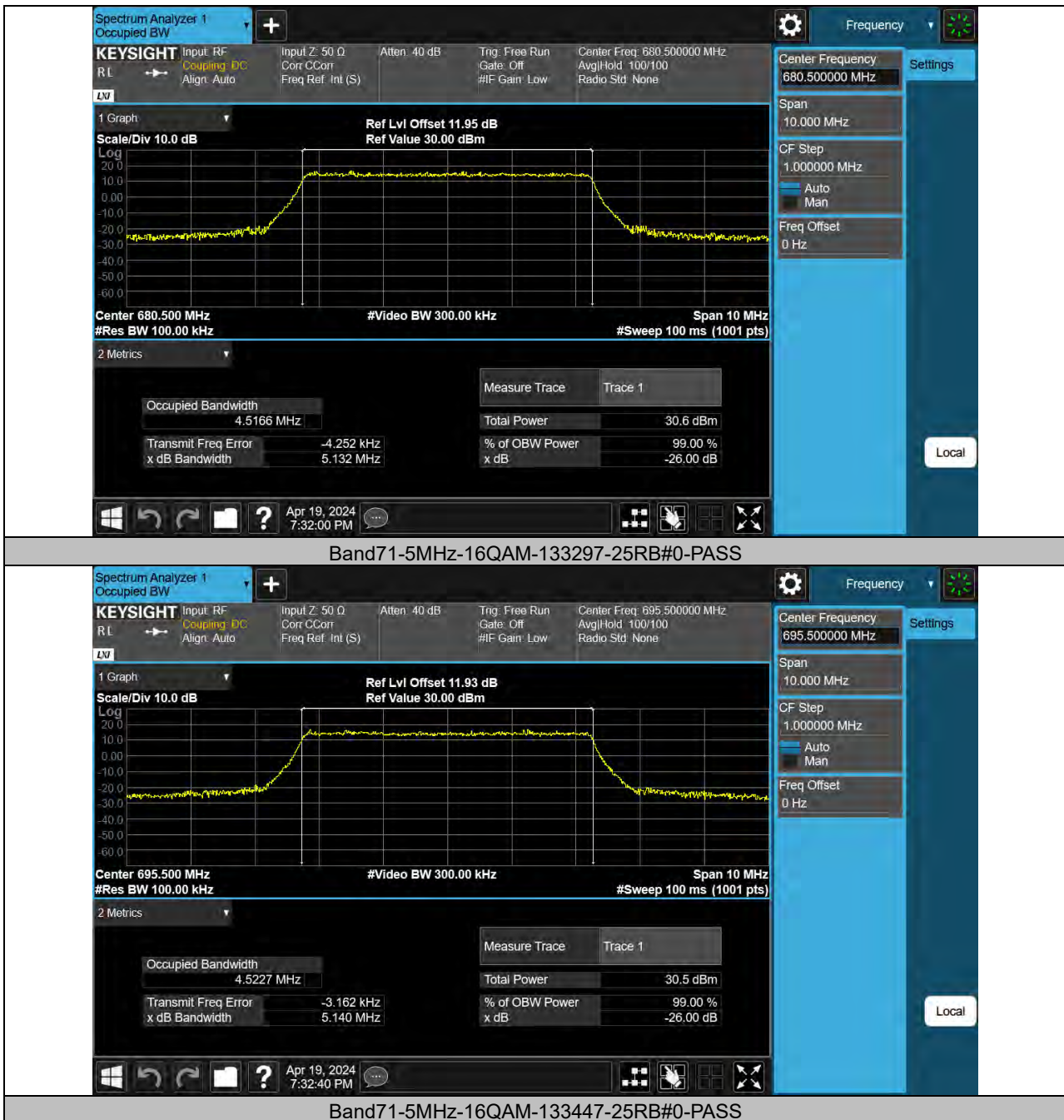
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VERITAS

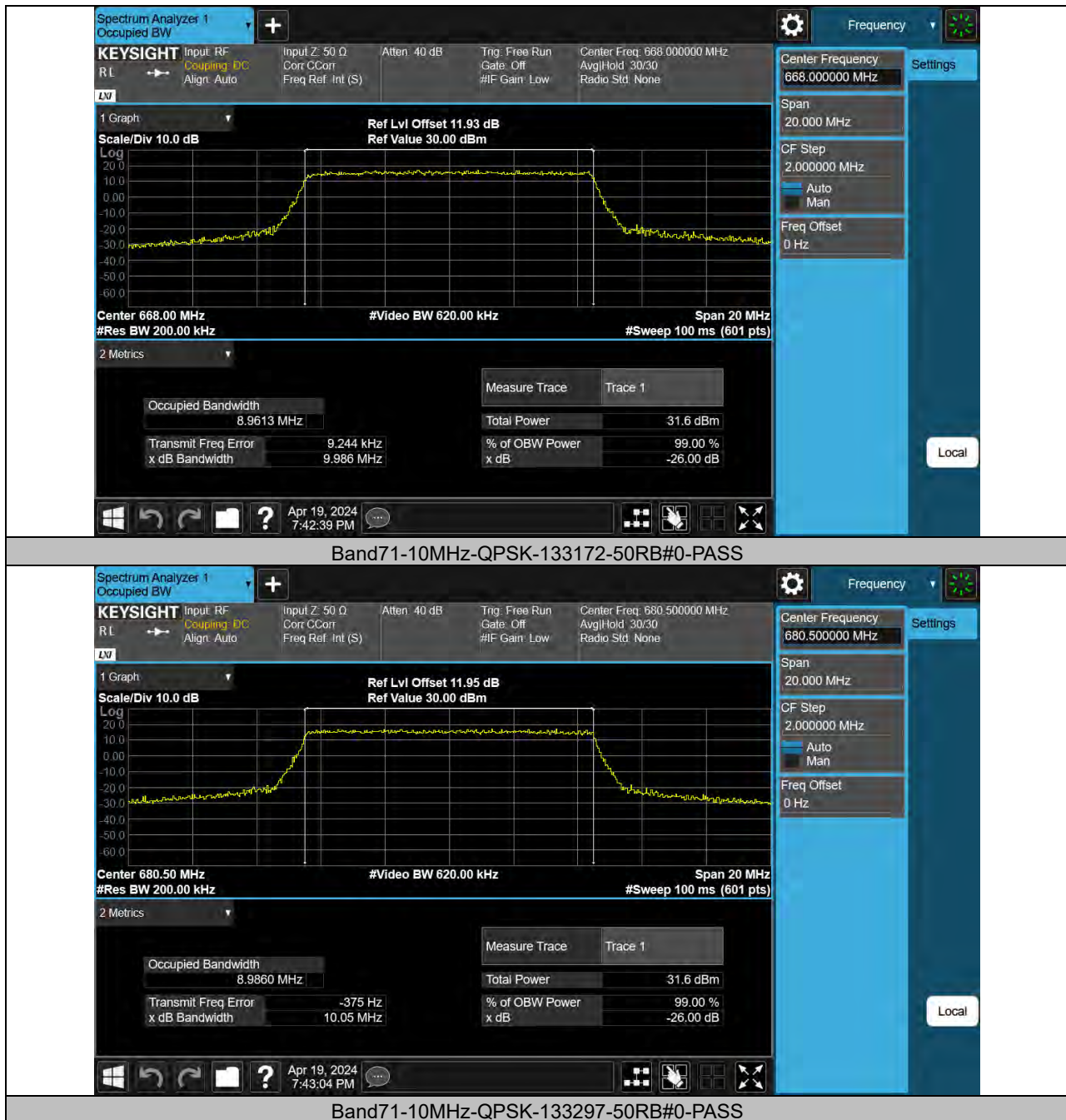
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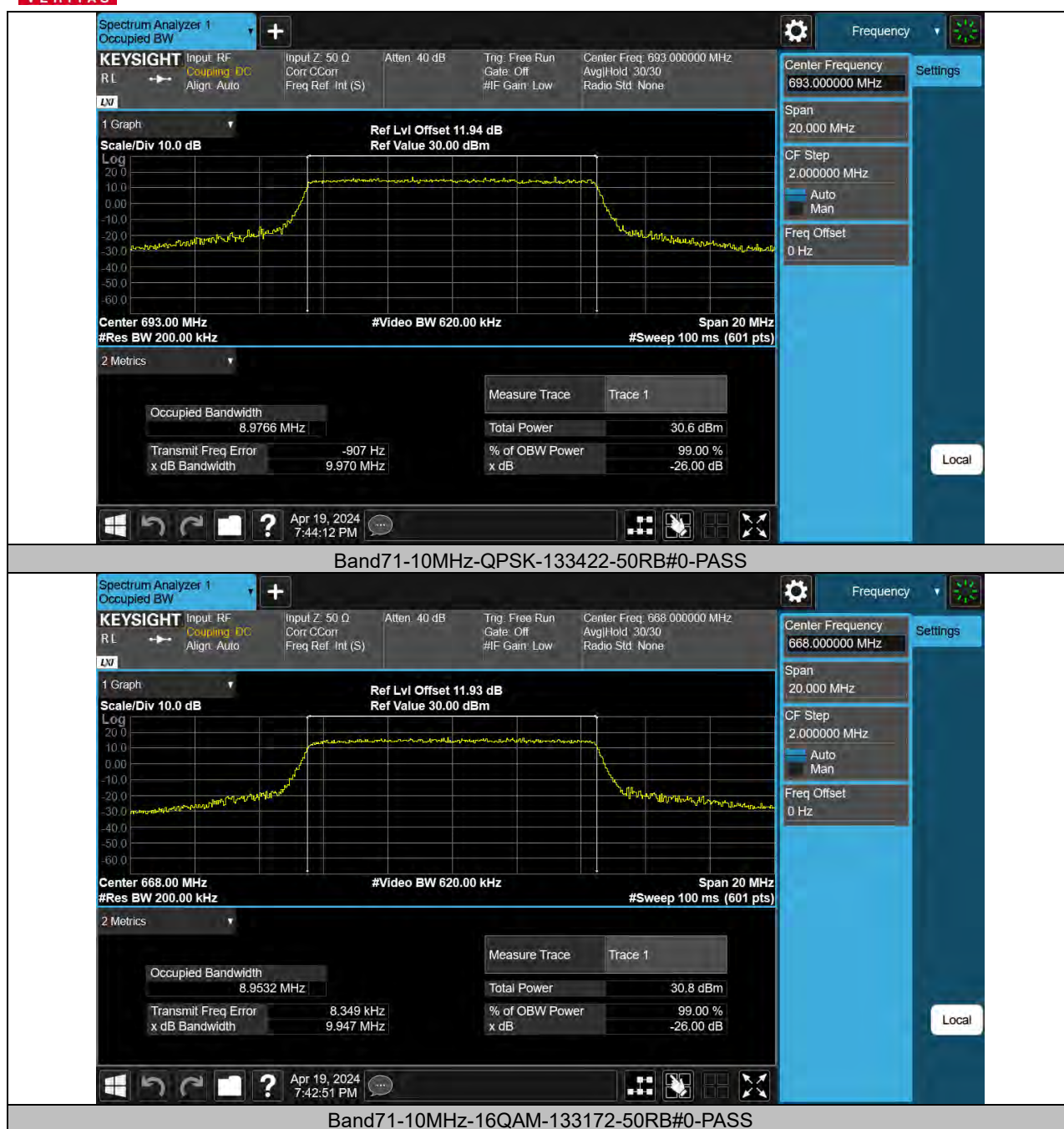


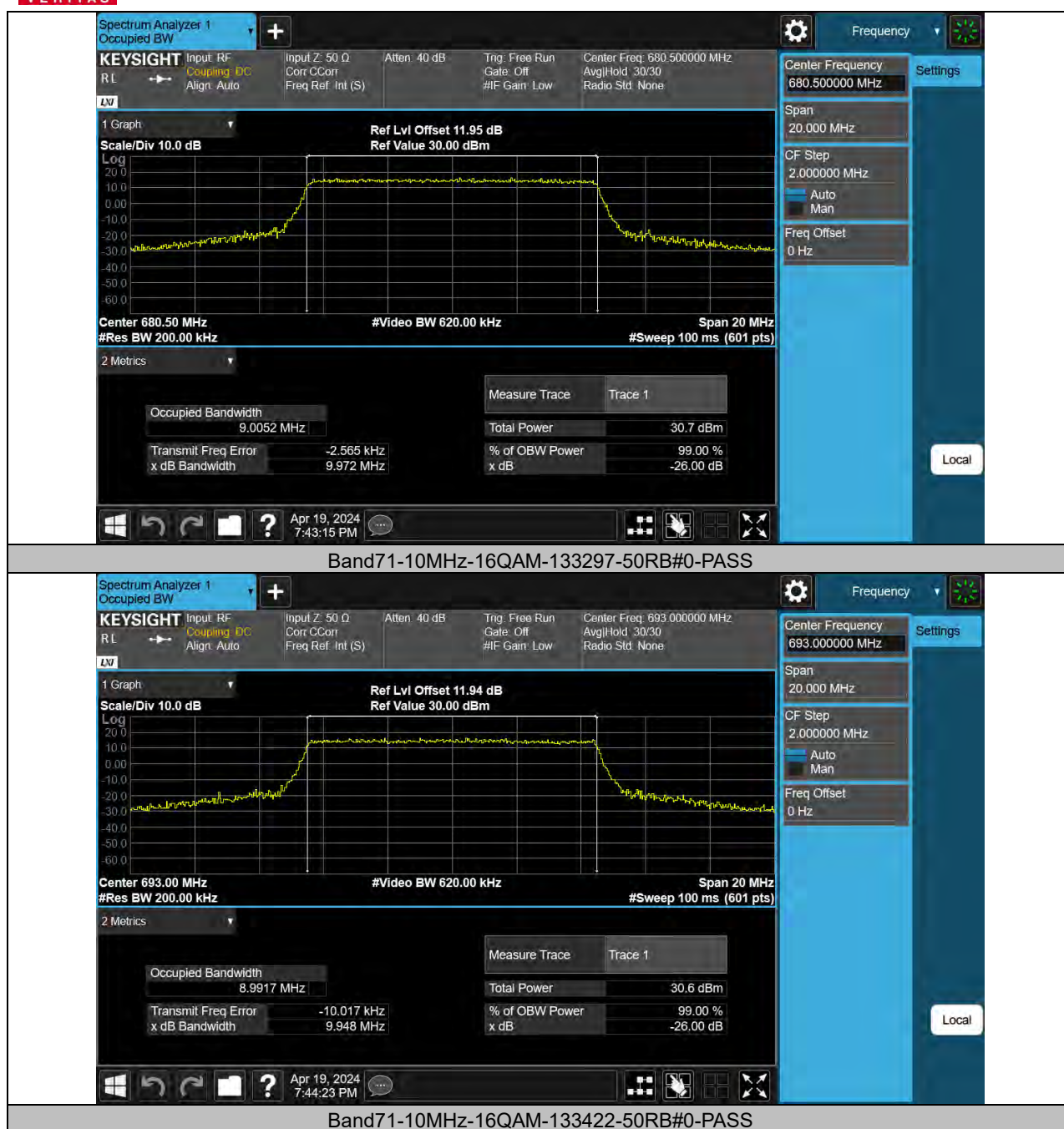


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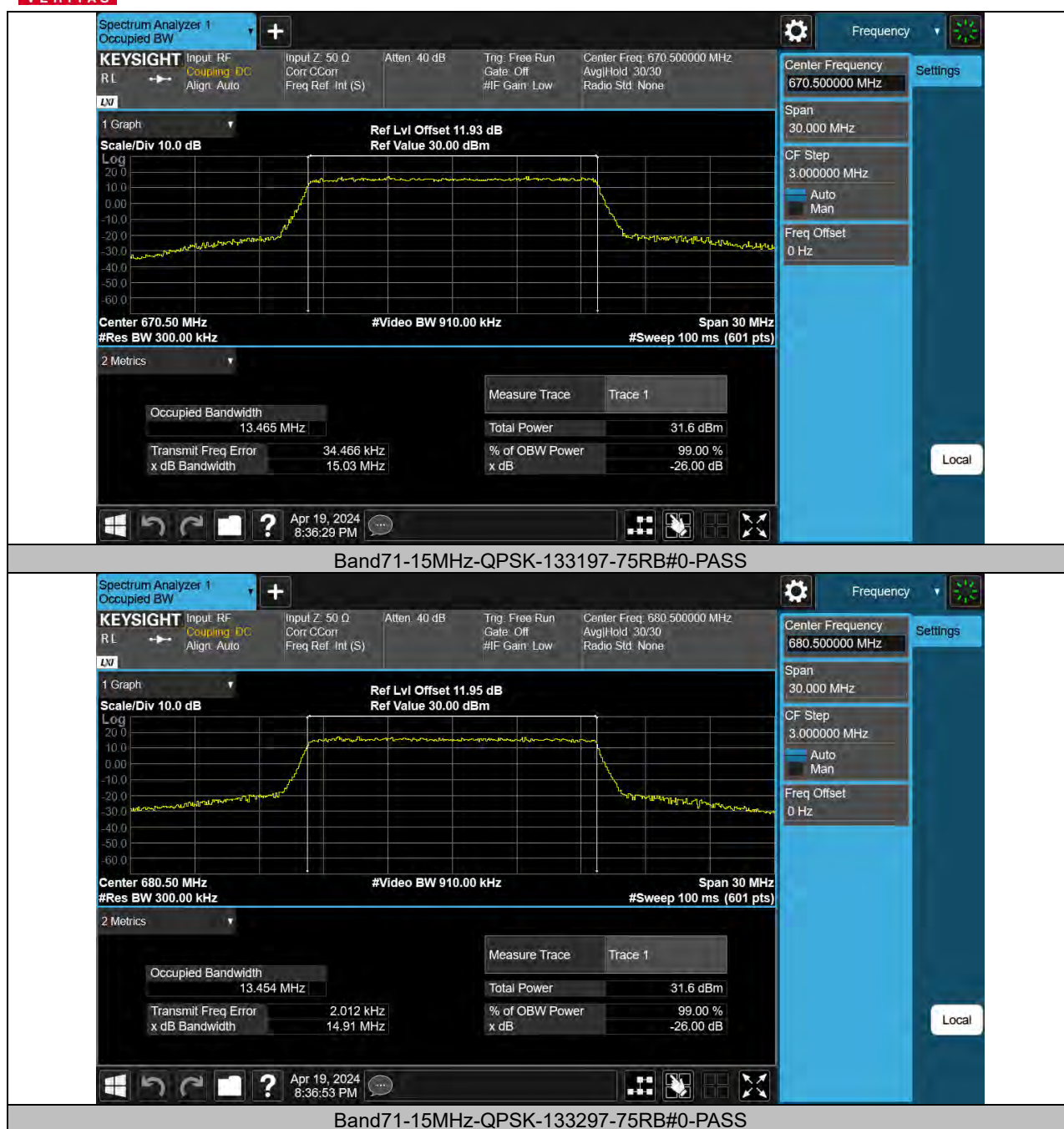


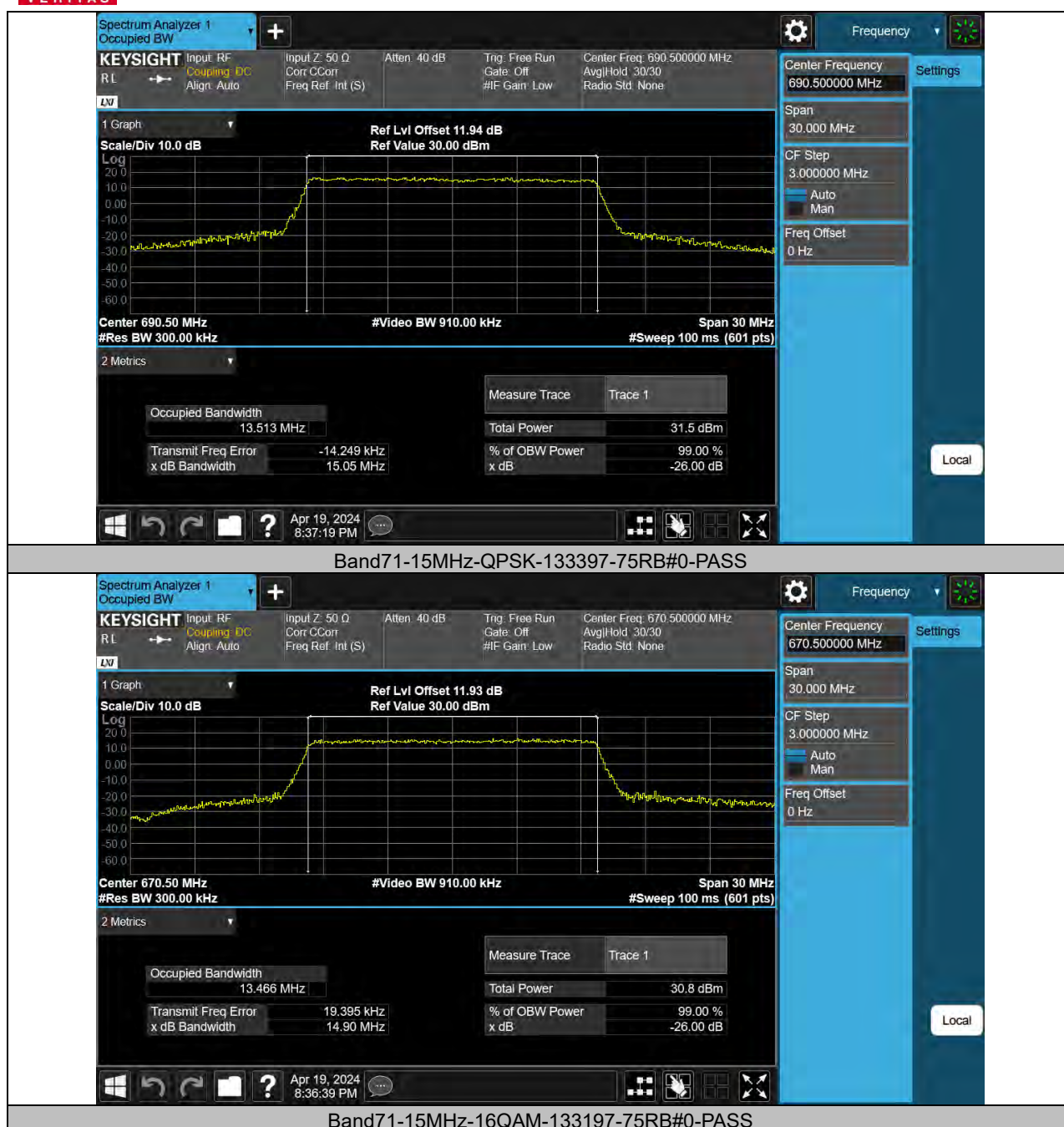


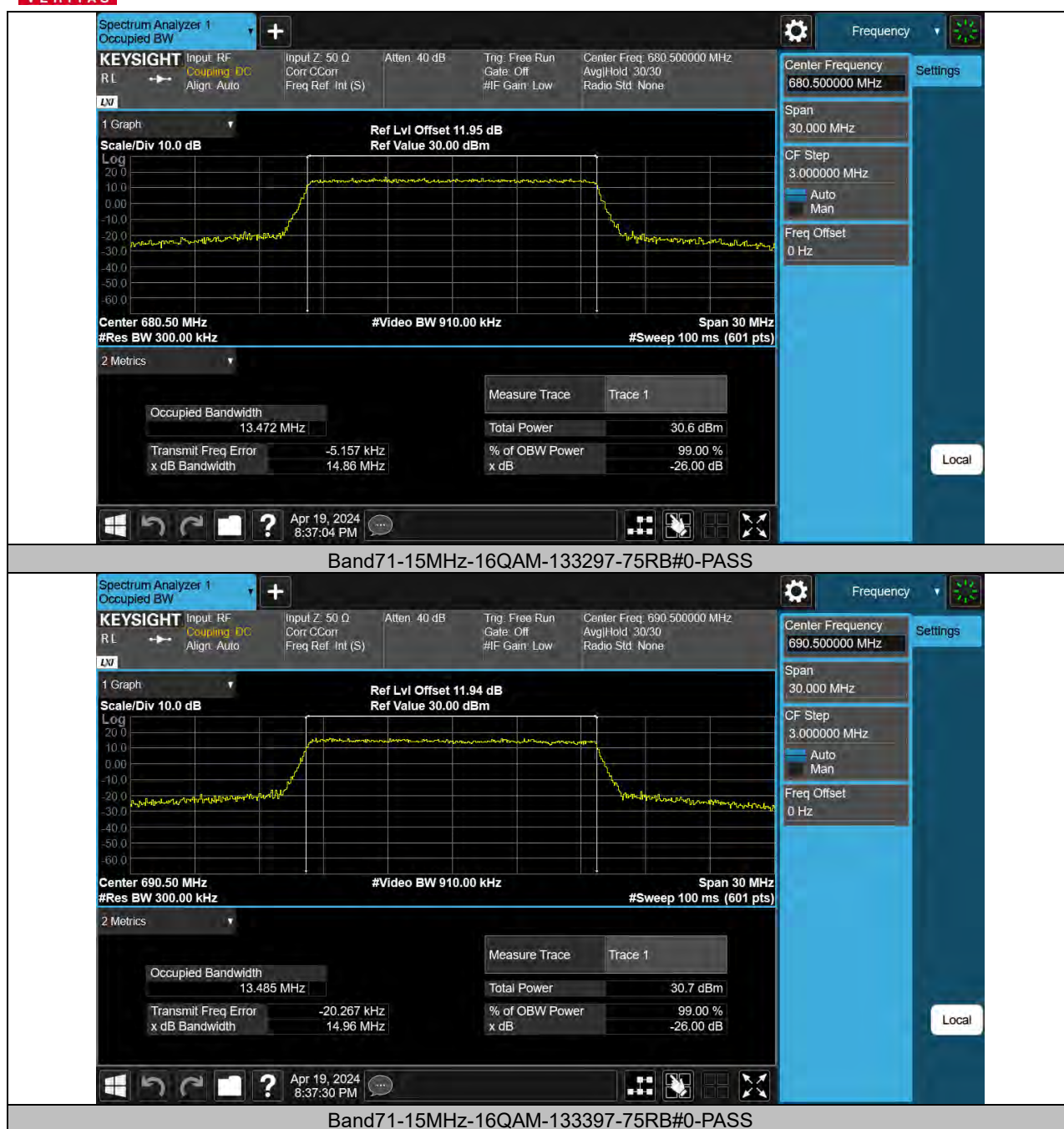


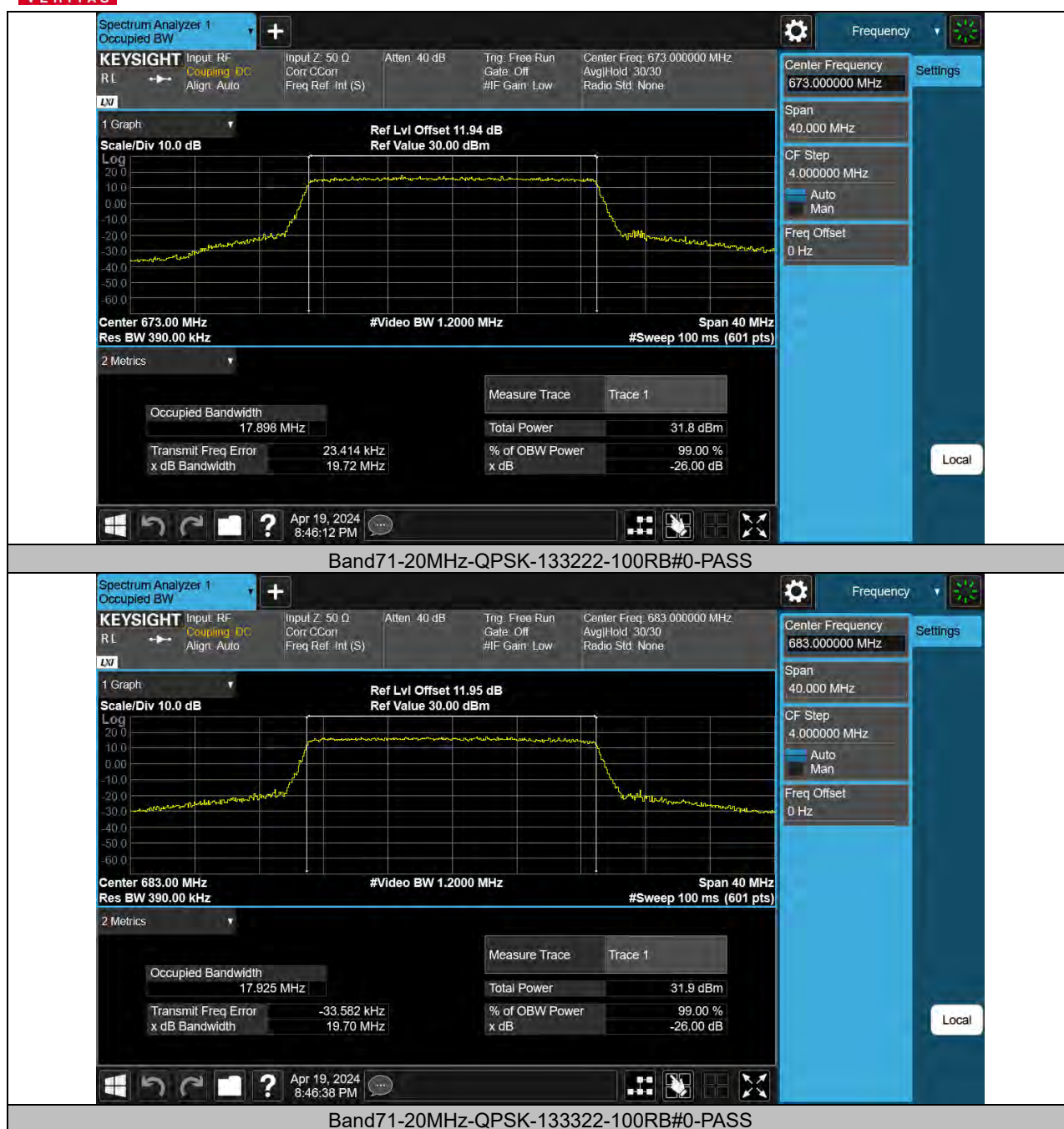


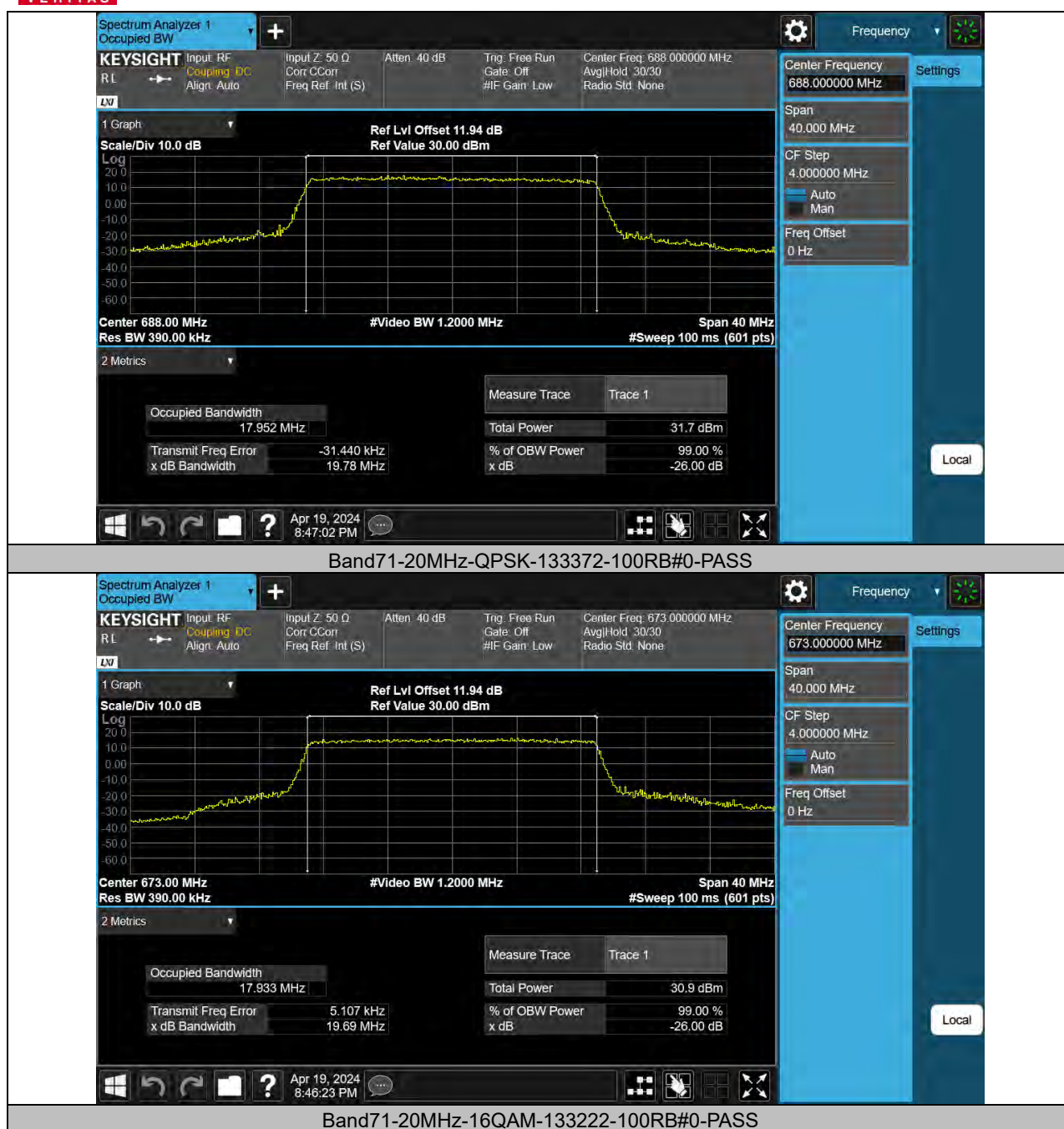
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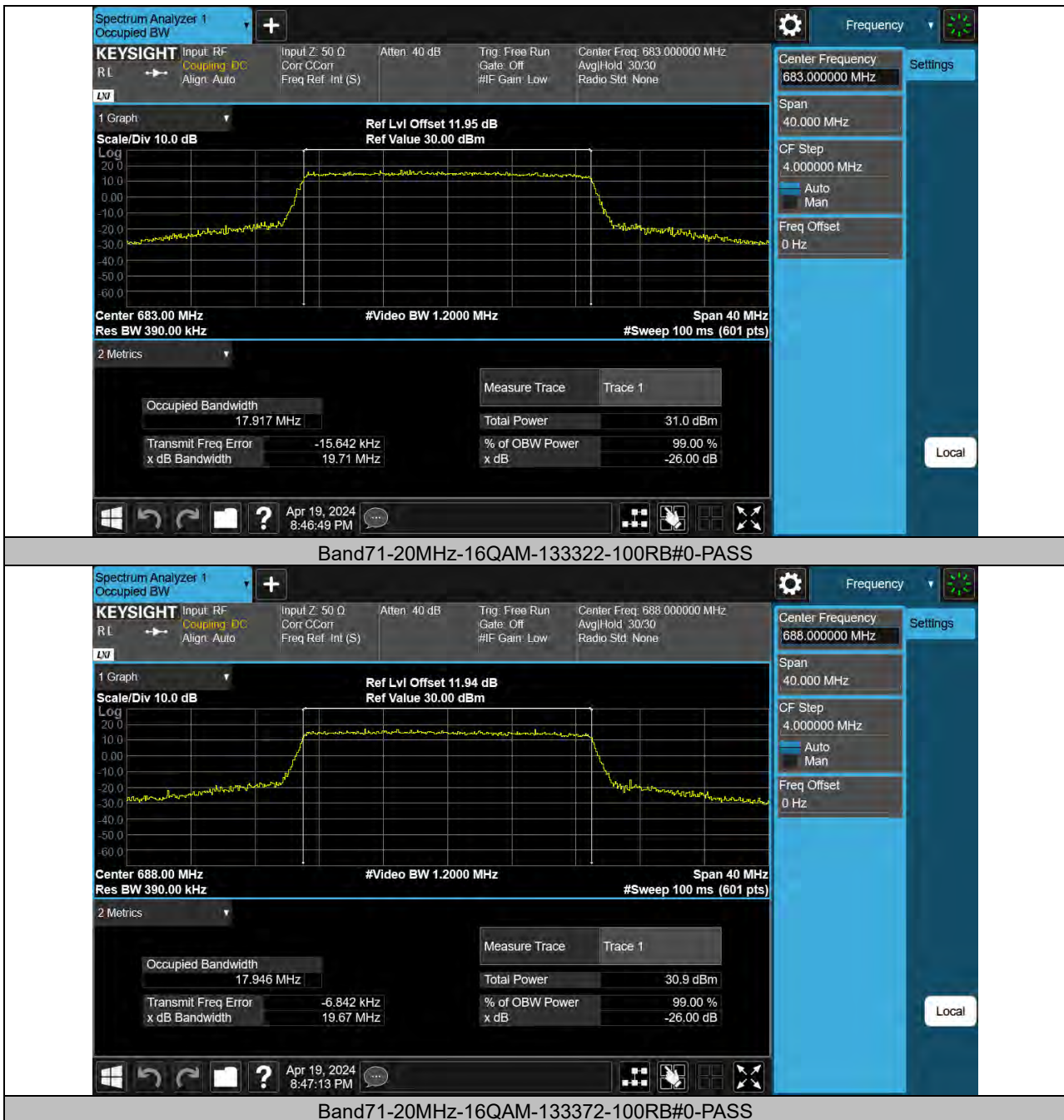






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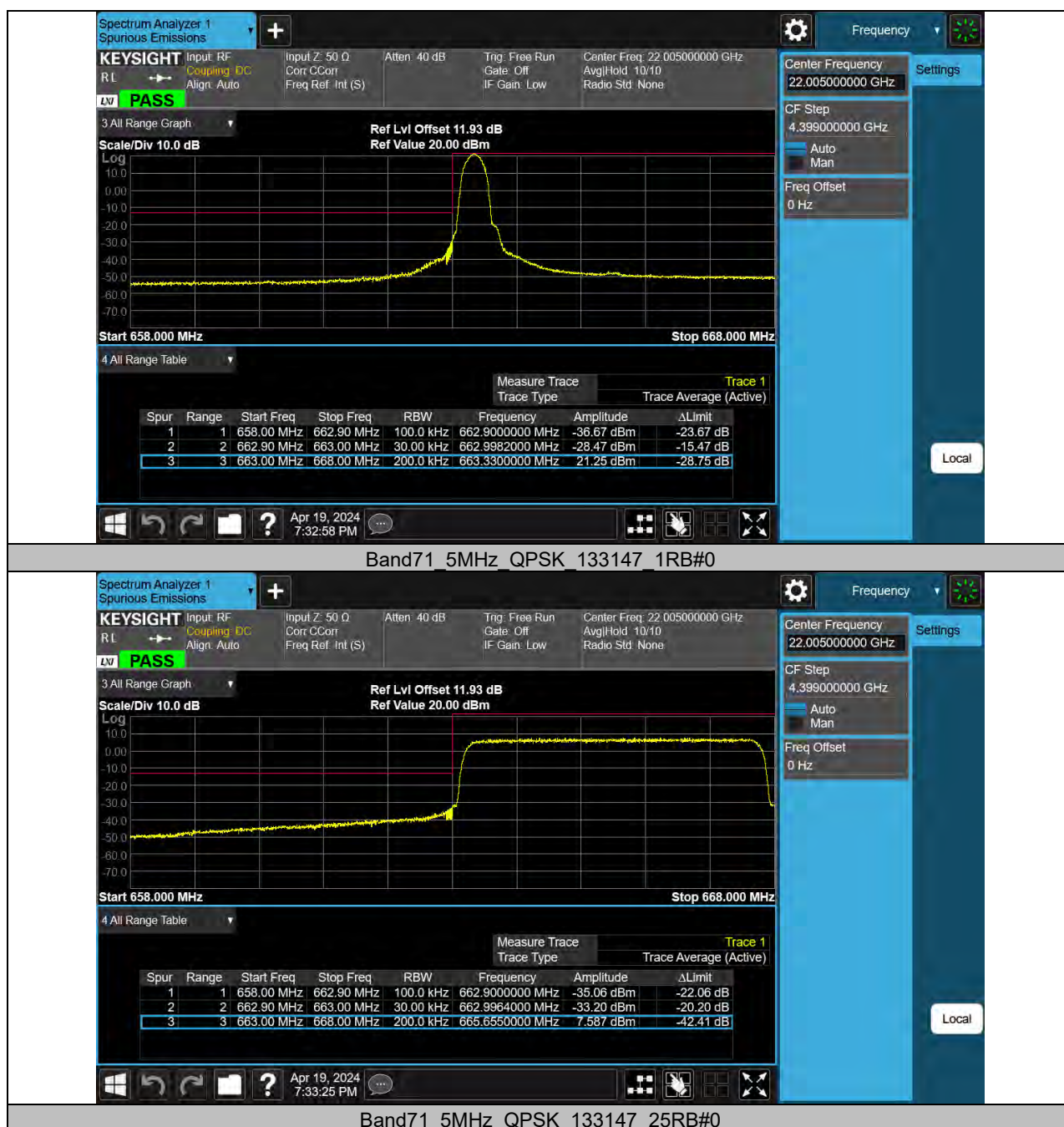
Reference No.: PSU-NQN2403180115RF07



BAND EDGE TEST RESULT

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	1RB#0	-28.47	PASS
Band71	5MHz	QPSK	133147	25RB#0	-33.20	PASS
Band71	5MHz	QPSK	133447	1RB#24	-28.28	PASS
Band71	5MHz	QPSK	133447	25RB#0	-32.51	PASS
Band71	5MHz	16QAM	133147	1RB#0	-29.80	PASS
Band71	5MHz	16QAM	133147	25RB#0	-33.40	PASS
Band71	5MHz	16QAM	133447	1RB#24	-29.17	PASS
Band71	5MHz	16QAM	133447	25RB#0	-33.80	PASS
Band71	10MHz	QPSK	133172	1RB#0	-41.69	PASS
Band71	10MHz	QPSK	133172	50RB#0	-39.66	PASS
Band71	10MHz	QPSK	133422	1RB#49	-40.00	PASS
Band71	10MHz	QPSK	133422	50RB#0	-39.15	PASS
Band71	10MHz	16QAM	133172	1RB#0	-41.13	PASS
Band71	10MHz	16QAM	133172	50RB#0	-40.09	PASS
Band71	10MHz	16QAM	133422	1RB#49	-41.41	PASS
Band71	10MHz	16QAM	133422	50RB#0	-40.05	PASS
Band71	15MHz	QPSK	133197	1RB#0	-39.63	PASS
Band71	15MHz	QPSK	133197	75RB#0	-40.71	PASS
Band71	15MHz	QPSK	133397	1RB#74	-40.20	PASS
Band71	15MHz	QPSK	133397	75RB#0	-40.26	PASS
Band71	15MHz	16QAM	133197	1RB#0	-39.74	PASS
Band71	15MHz	16QAM	133197	75RB#0	-42.54	PASS
Band71	15MHz	16QAM	133397	1RB#74	-39.92	PASS
Band71	15MHz	16QAM	133397	75RB#0	-42.35	PASS
Band71	20MHz	QPSK	133222	1RB#0	-42.04	PASS
Band71	20MHz	QPSK	133222	100RB#0	-42.52	PASS
Band71	20MHz	QPSK	133372	1RB#99	-40.87	PASS
Band71	20MHz	QPSK	133372	100RB#0	-43.41	PASS
Band71	20MHz	16QAM	133222	1RB#0	-41.26	PASS
Band71	20MHz	16QAM	133222	100RB#0	-43.83	PASS
Band71	20MHz	16QAM	133372	1RB#99	-41.69	PASS
Band71	20MHz	16QAM	133372	100RB#0	-42.92	PASS

TEST GRAPHS





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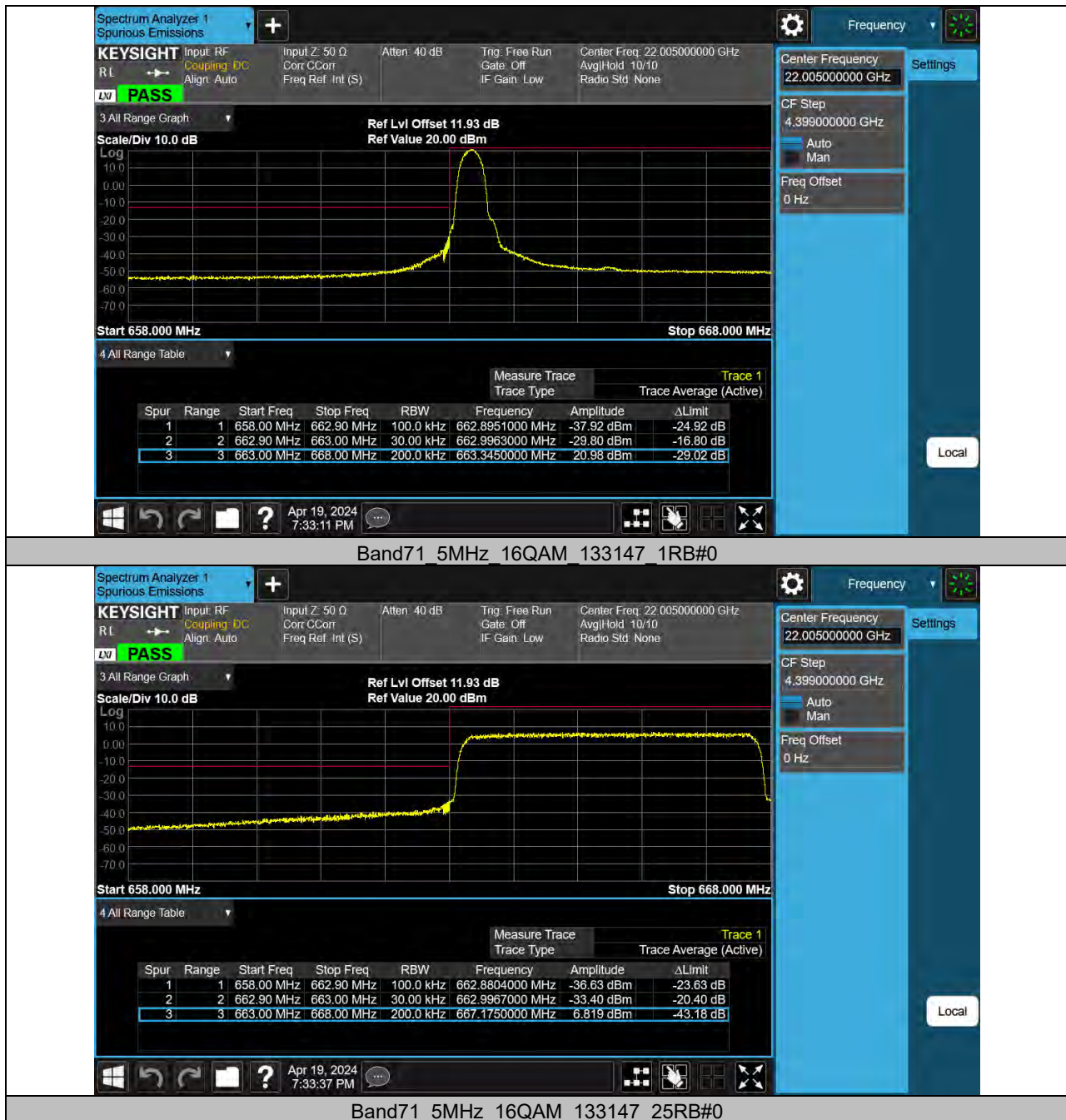
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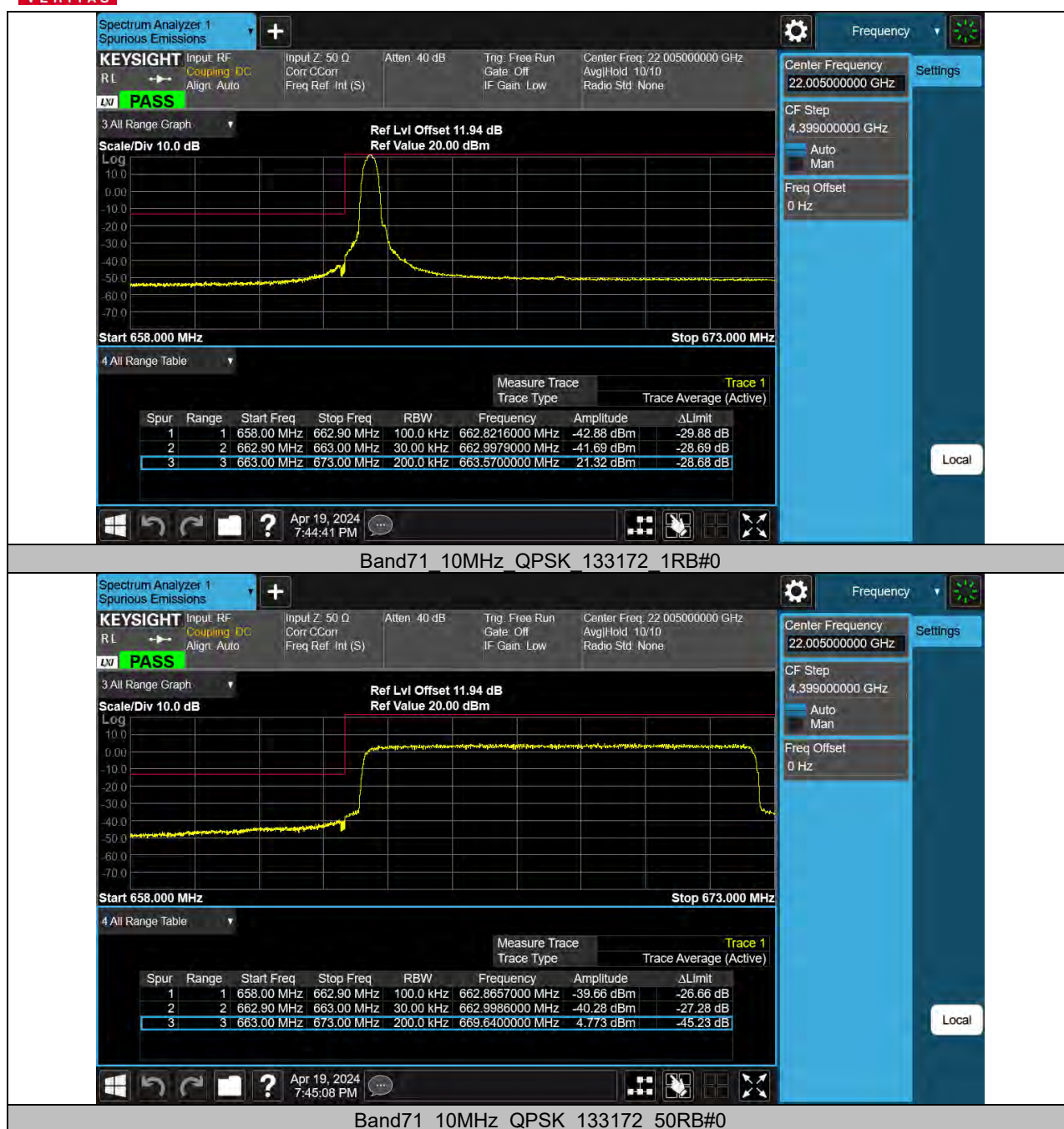


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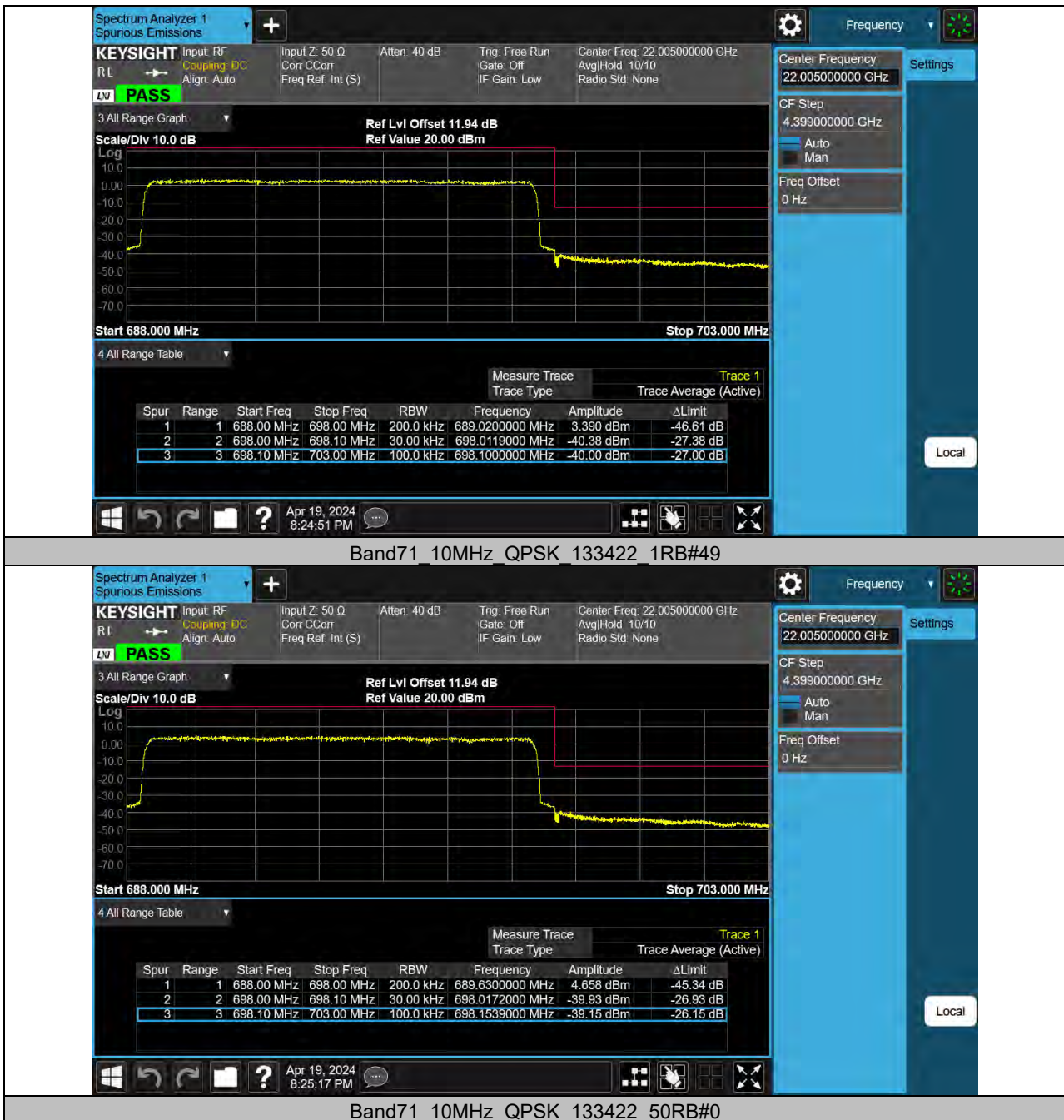
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Reference No.: PSU-NQN2403180115RF07





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Reference No.: PSU-NQN2403180115RF07

