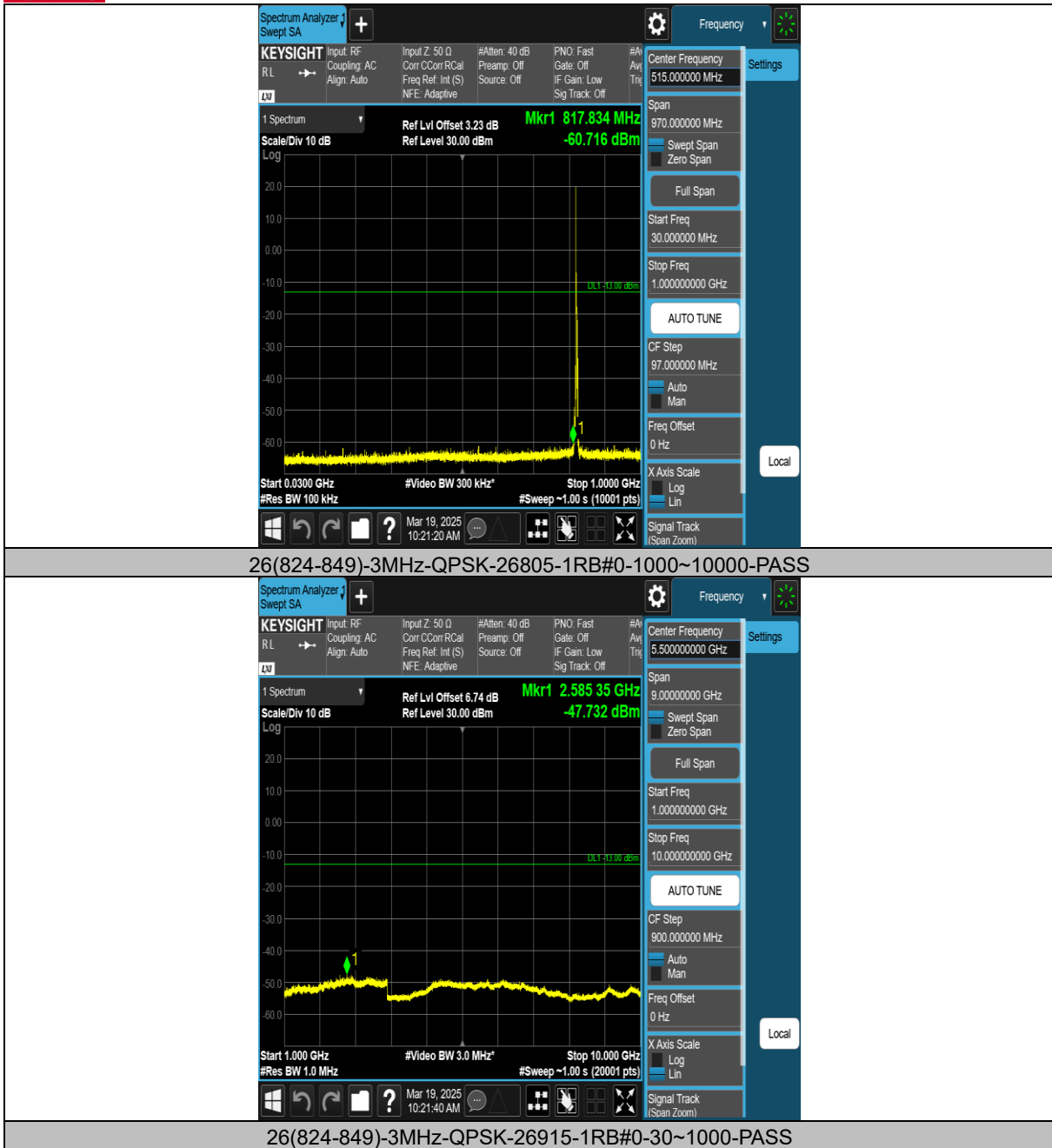
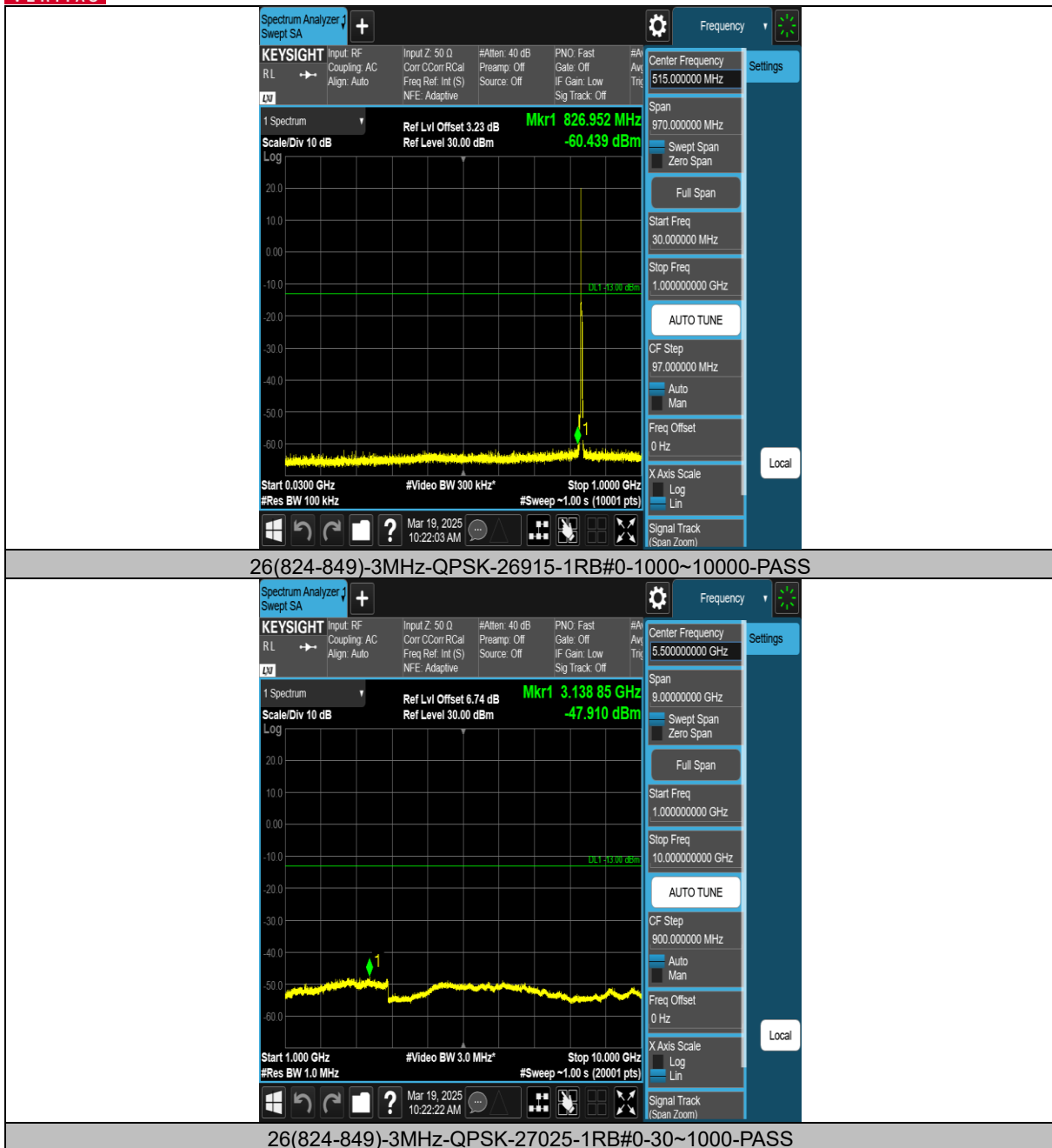


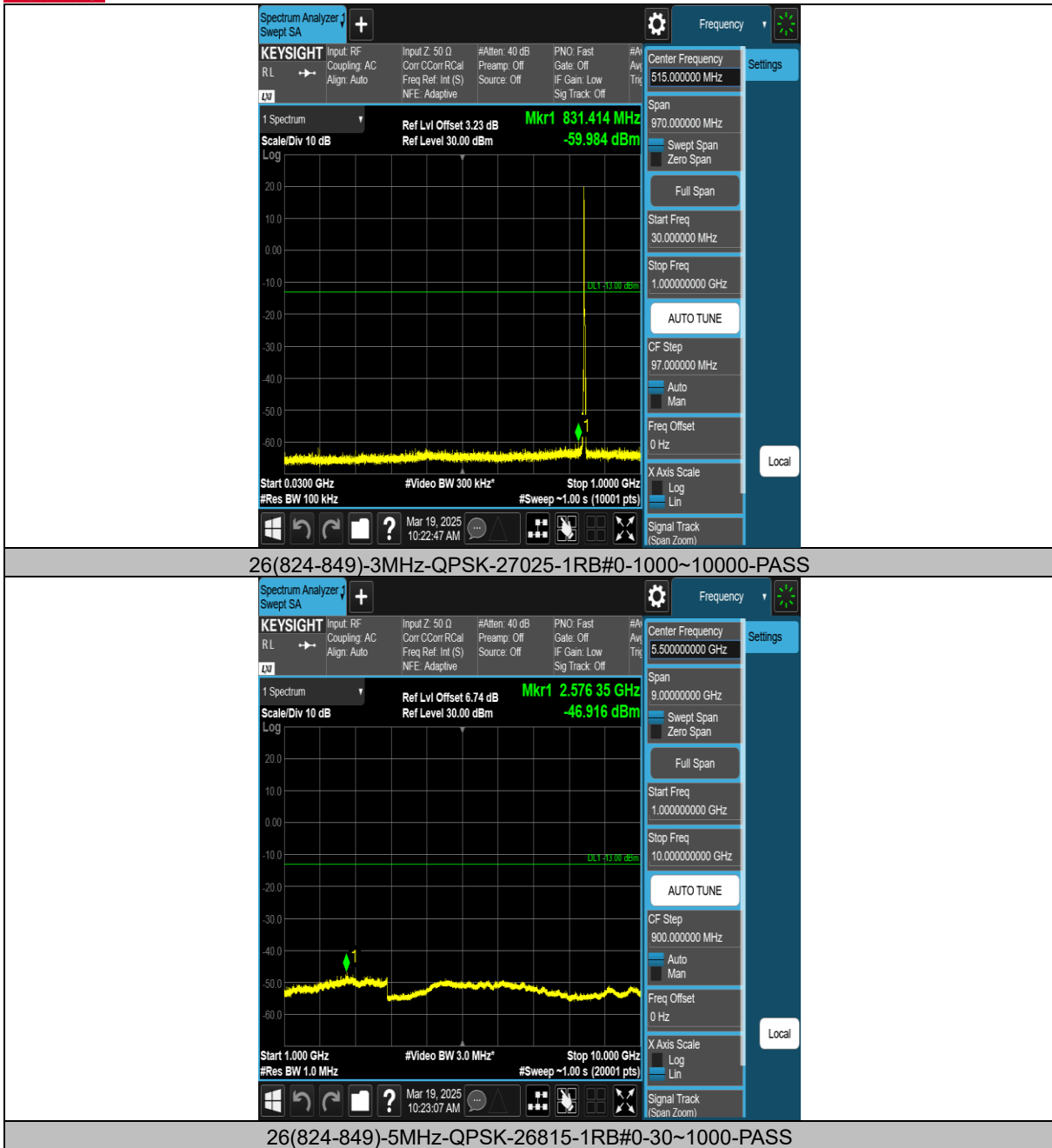


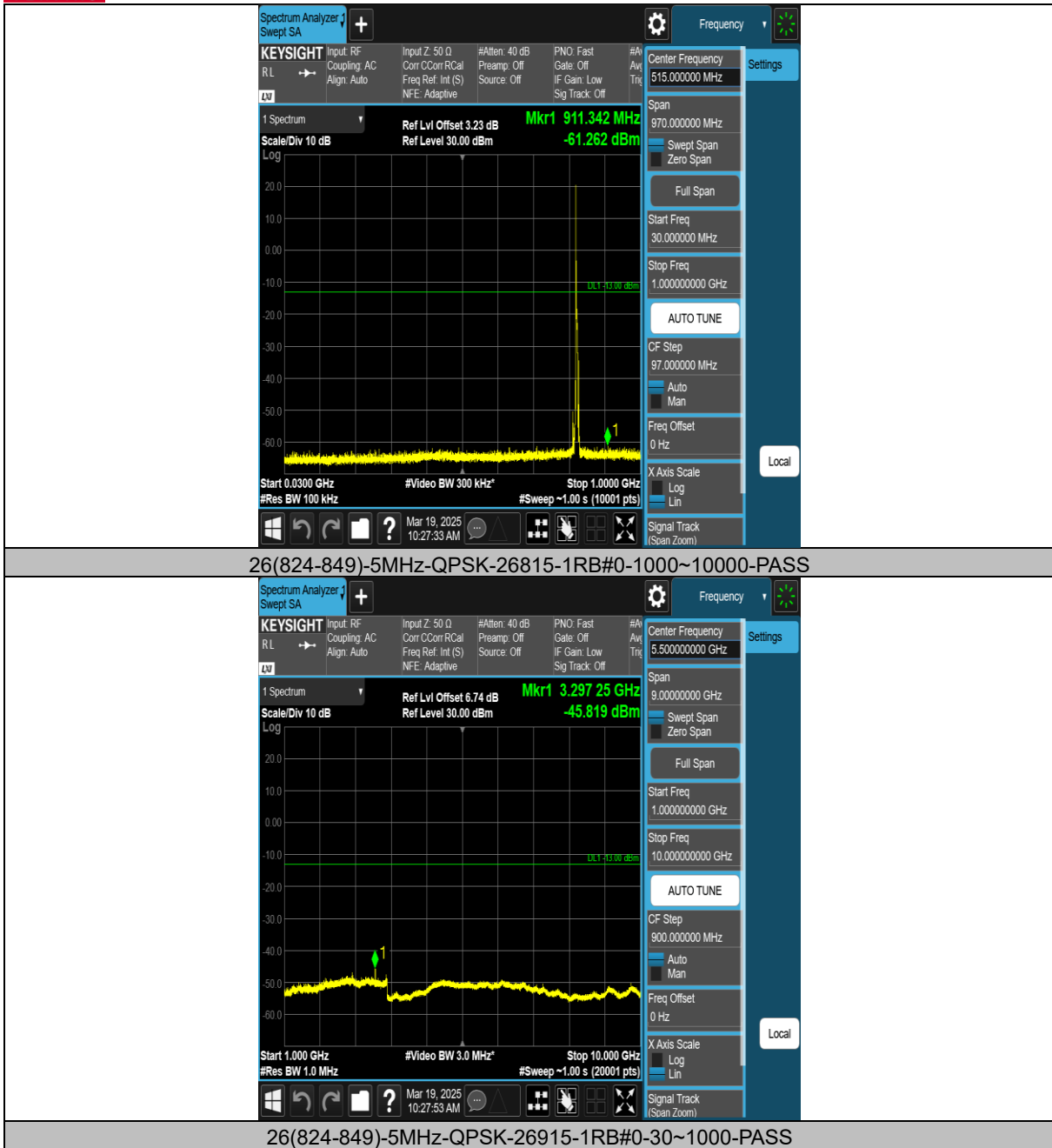


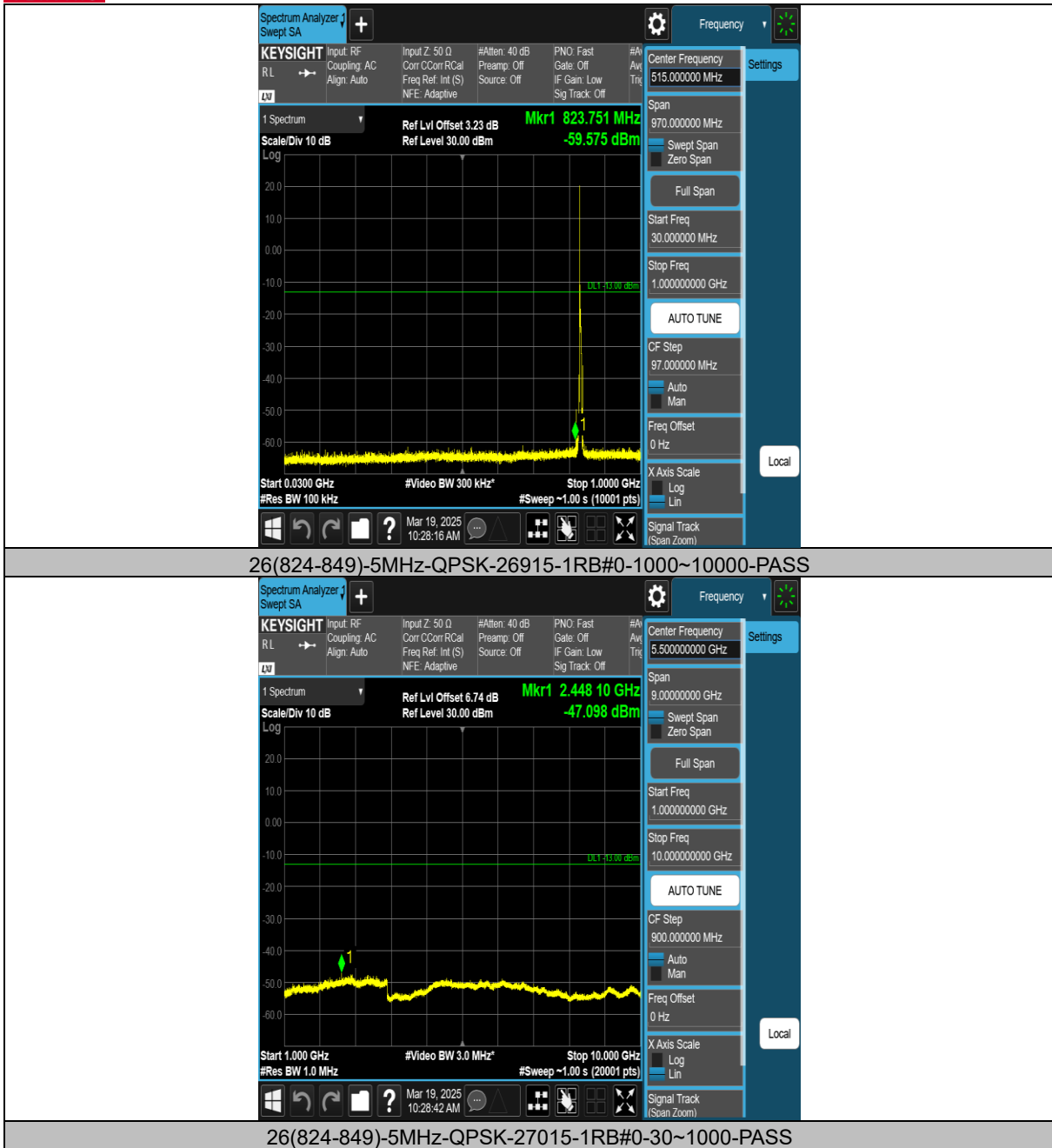


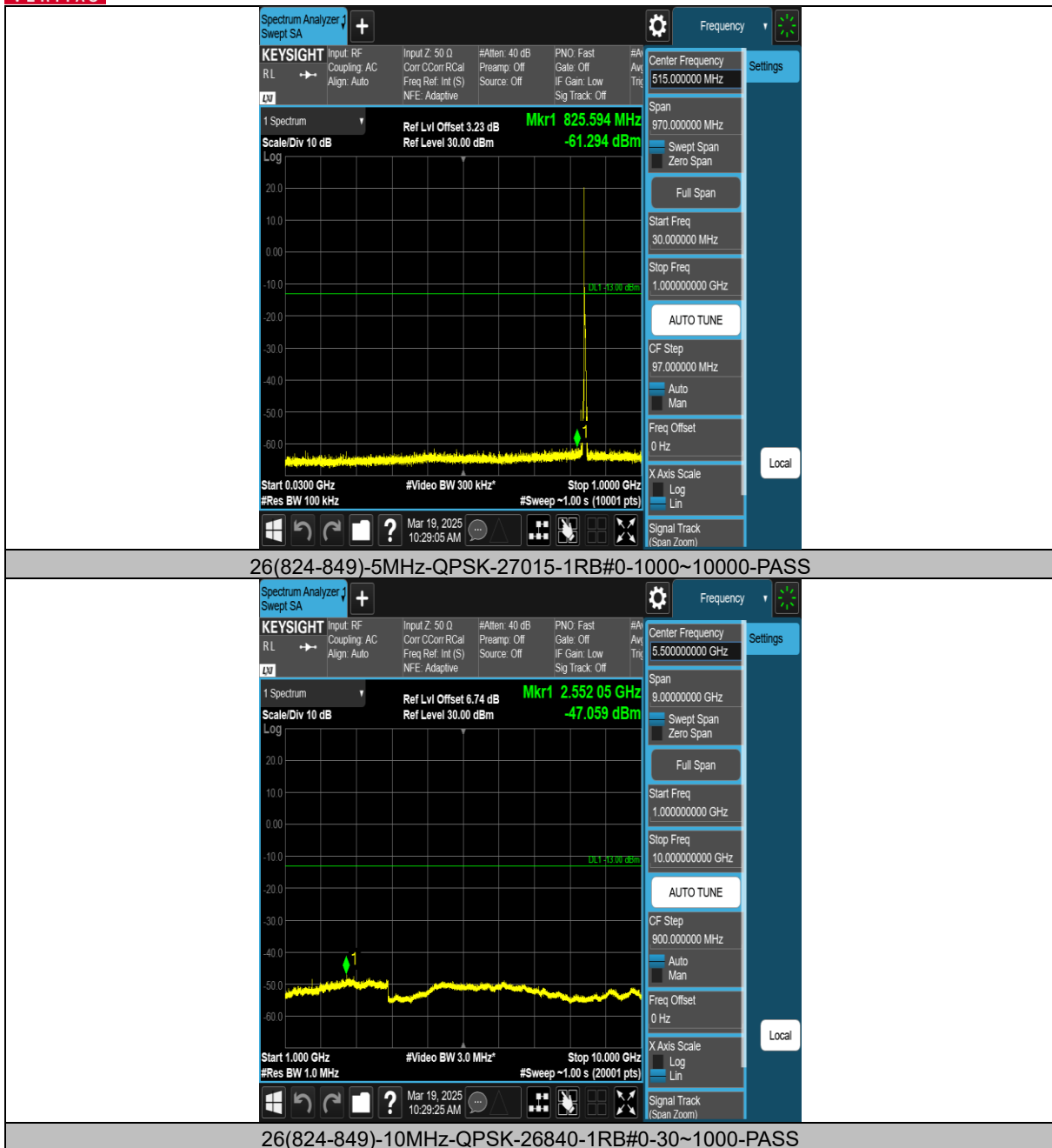
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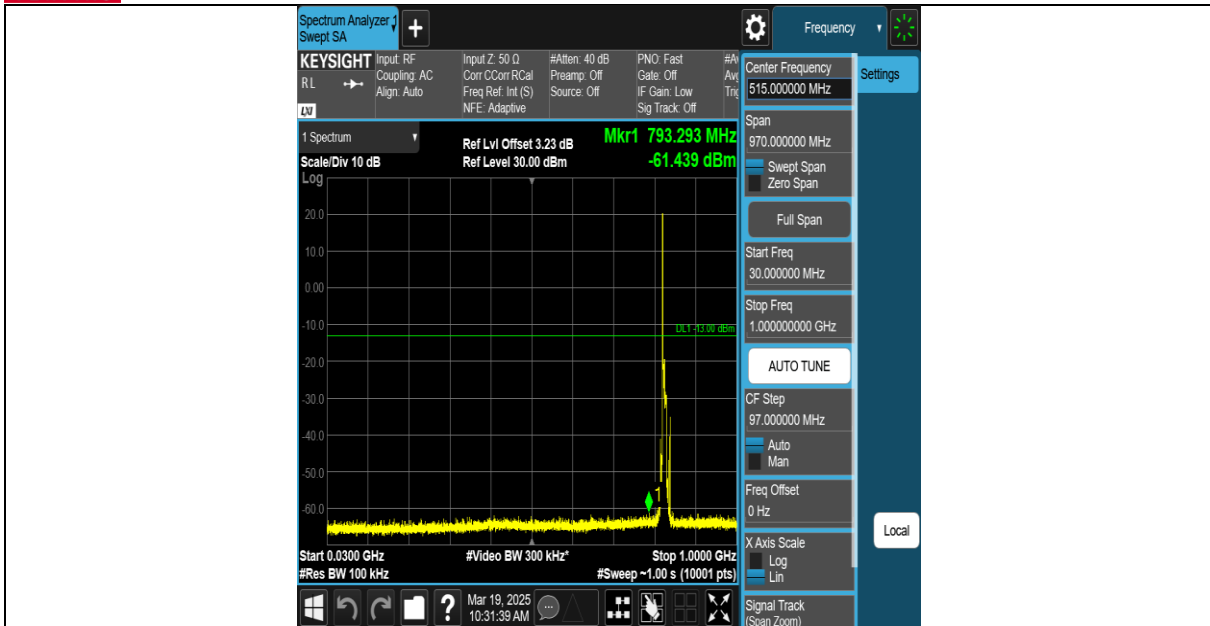
Test Report No.: PSU-QSZ2503050113RF01



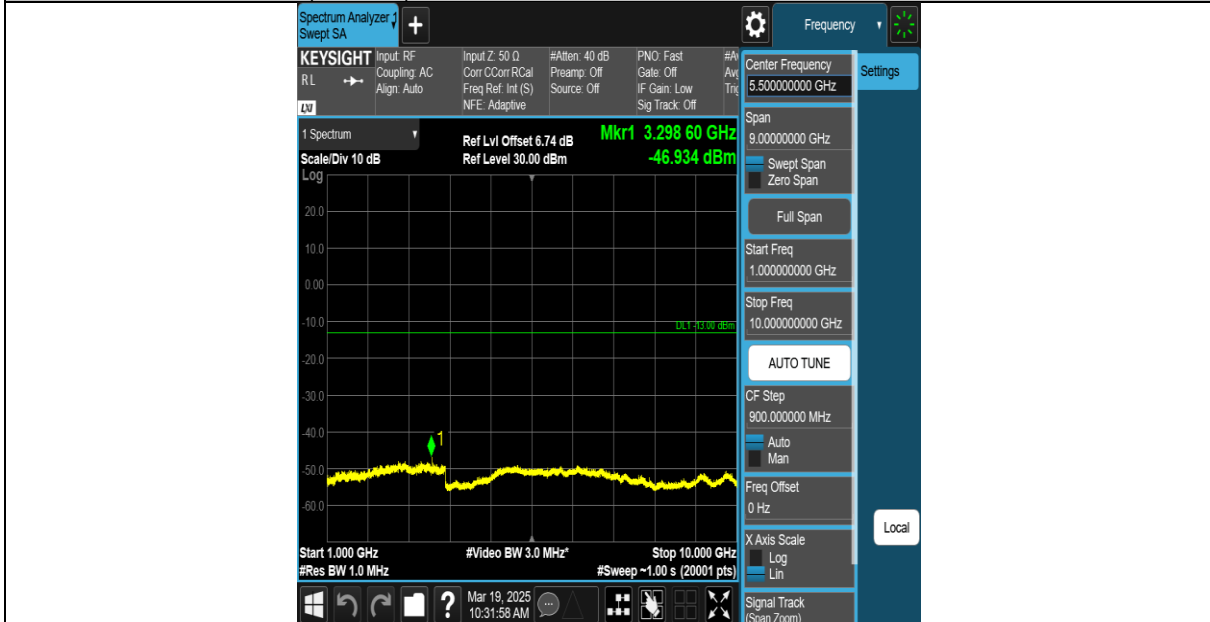




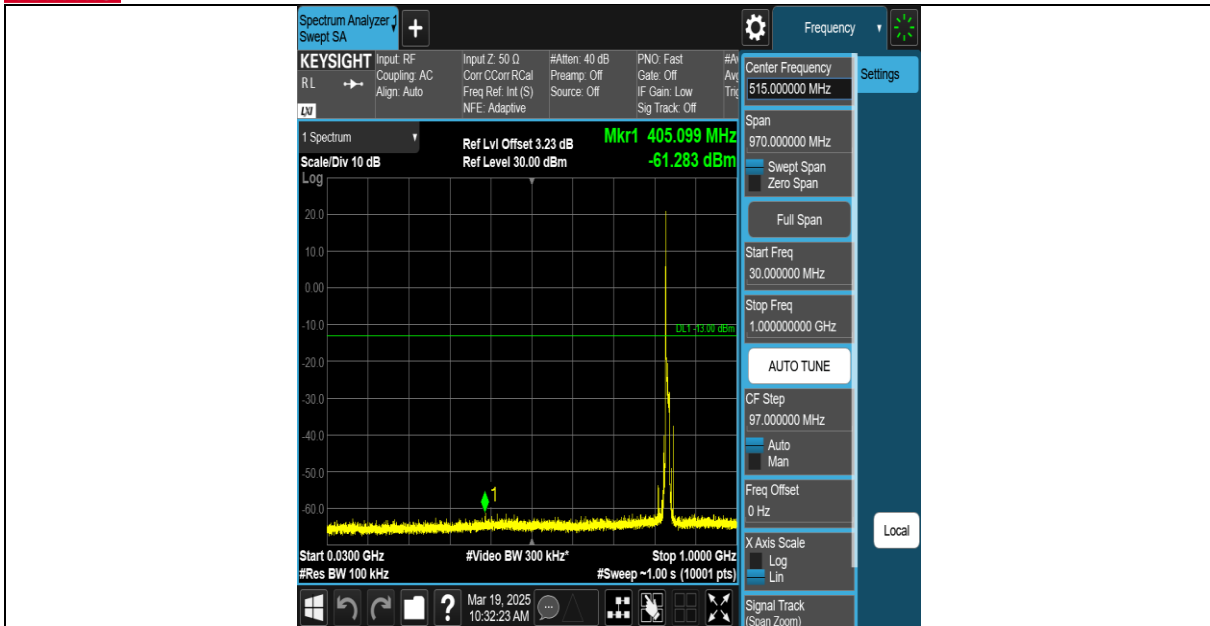




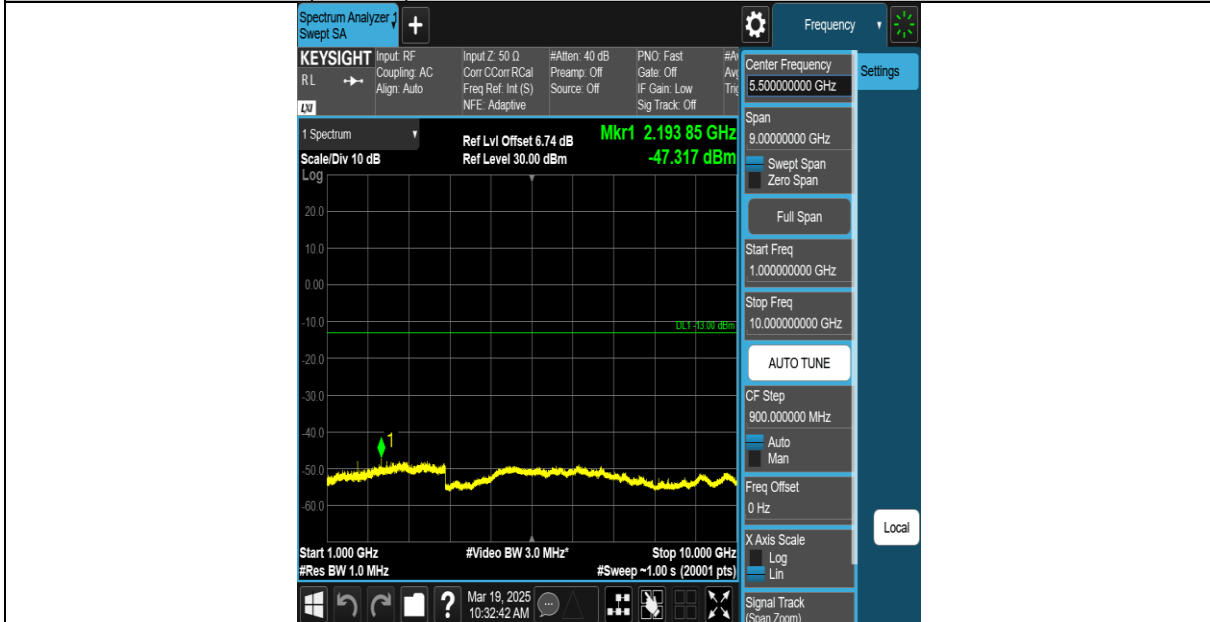
26(824-849)-10MHz-QPSK-26840-1RB#0-1000~10000-PASS



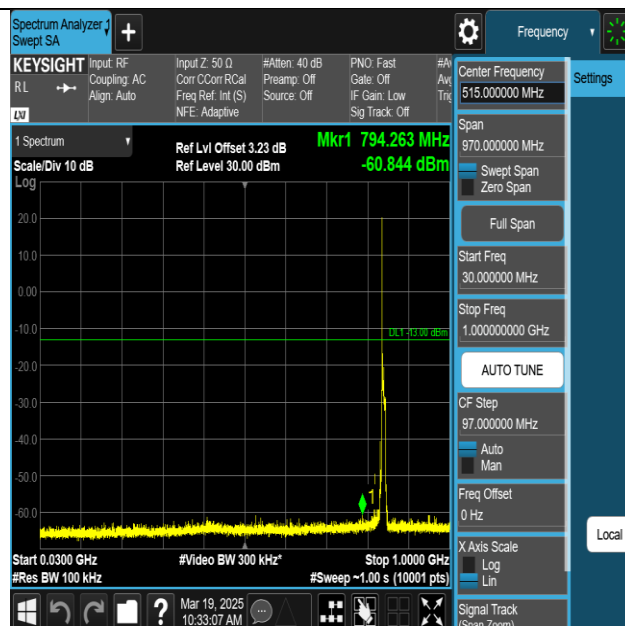
26(824-849)-10MHz-QPSK-26915-1RB#0-30~1000-PASS



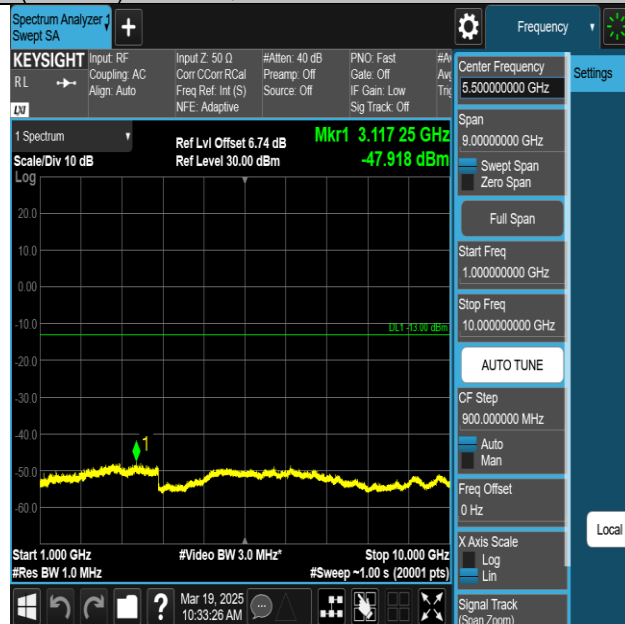
26(824-849)-10MHz-QPSK-26915-1RB#0-1000~10000-PASS



26(824-849)-10MHz-QPSK-26990-1RB#0-30~1000-PASS



26(824-849)-10MHz-QPSK-26990-1RB#0-1000~10000-PASS

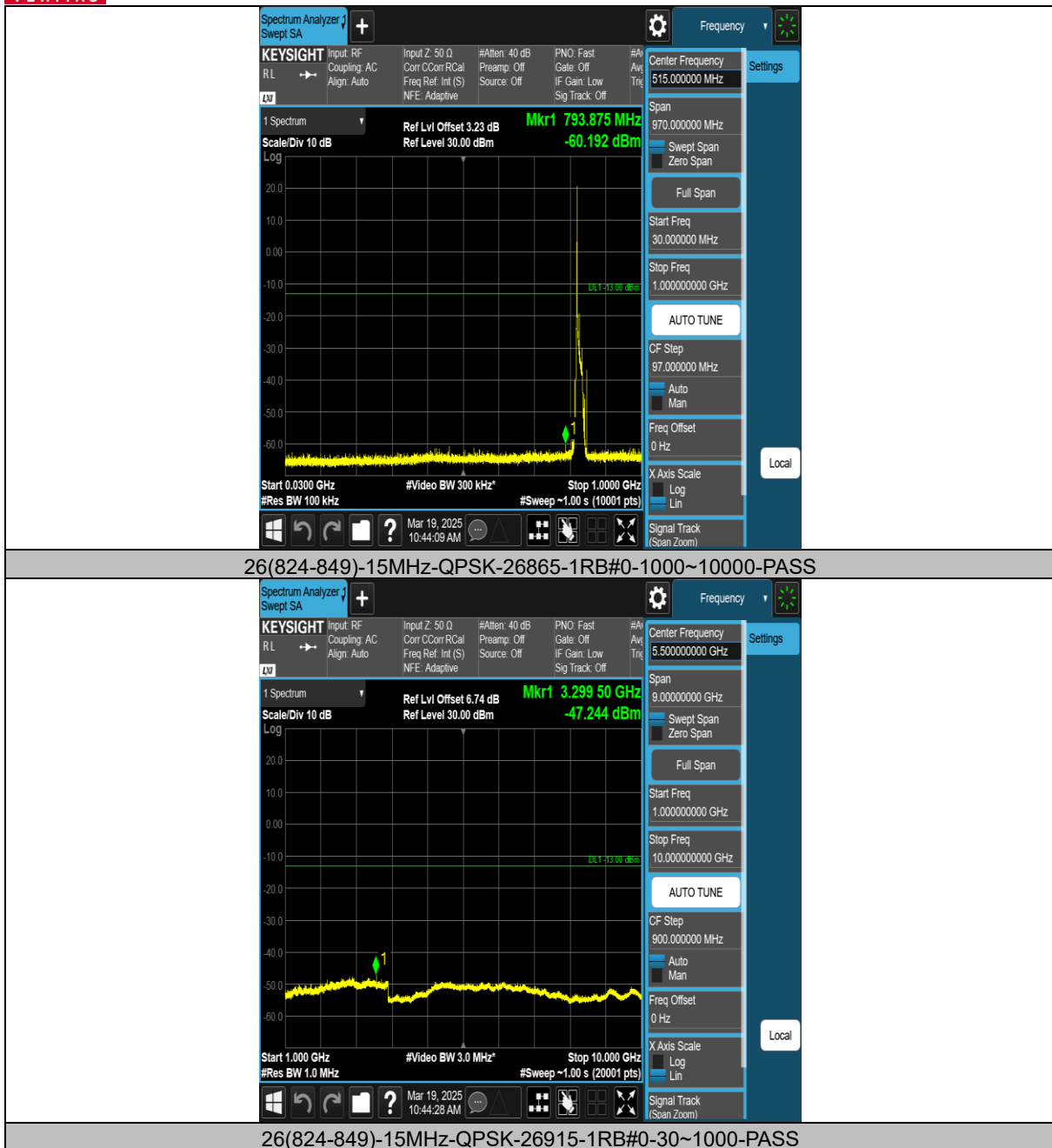


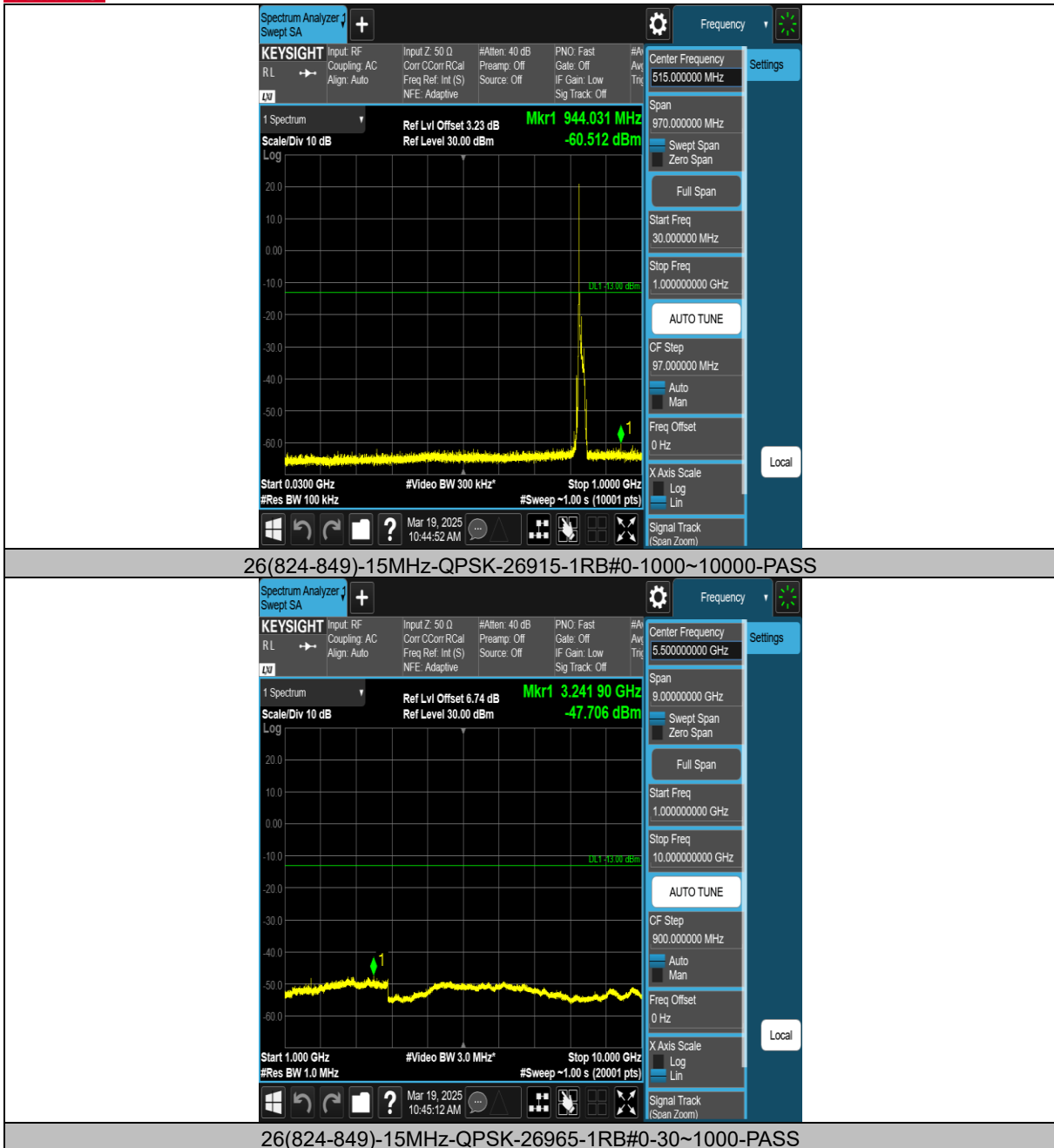
26(824-849)-15MHz-QPSK-26865-1RB#0-30~1000-PASS

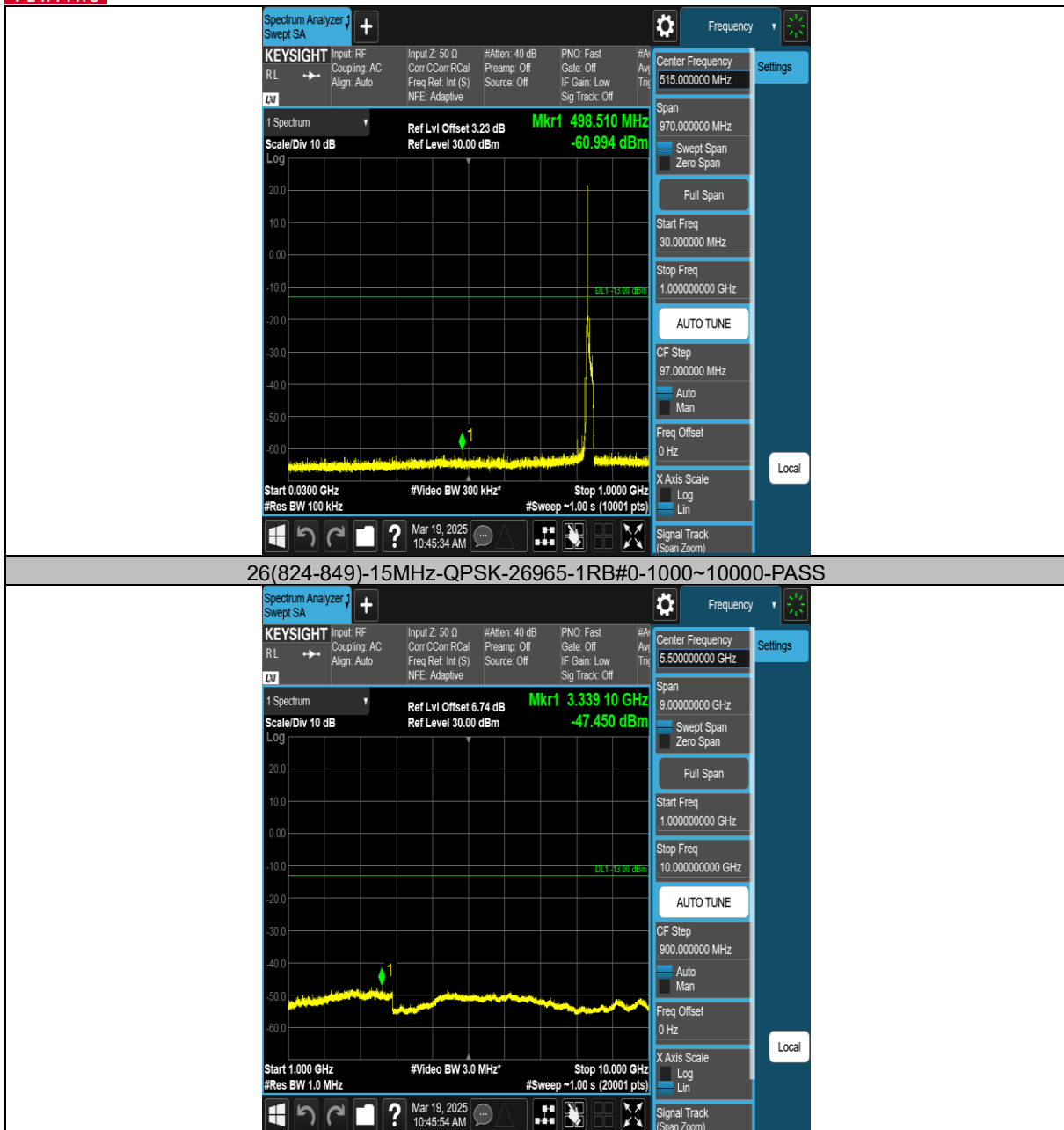


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Test Report No.: PSU-QSZ2503050113RF01









APPENDIX : FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
26(824-849)	10MHz	QPSK	26840	50RB#0	VN	NT	925.71	1.116654	±2.5	PASS
26(824-849)	10MHz	QPSK	26840	50RB#0	VL	NT	917.87	1.107198	±2.5	PASS
26(824-849)	10MHz	QPSK	26840	50RB#0	VH	NT	922.22	1.112453	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	VN	NT	920.48	1.100400	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	VL	NT	928.02	1.109405	±2.5	PASS
26(824-849)	10MHz	QPSK	26915	50RB#0	VH	NT	929.04	1.110622	±2.5	PASS
26(824-849)	10MHz	QPSK	26990	50RB#0	VN	NT	925.77	1.106718	±2.5	PASS
26(824-849)	10MHz	QPSK	26990	50RB#0	VL	NT	922.94	1.103340	±2.5	PASS
26(824-849)	10MHz	QPSK	26990	50RB#0	VH	NT	918.01	1.097446	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
26(824-849)	10MHz	QPSK	26840	50RB#0	NV	-30	-936.15	-1.129247	±2.5	PASS
26(824-849)	10MHz	QPSK	26840	50RB#0	NV	-20	-933.31	-1.125827	±2.5	PASS
26(824-849)	10MHz	QPSK	26840	50RB#0	NV	-10	-923.88	-1.114447	±2.5	PASS
26(824-849)	10MHz	QPSK	26840	50RB#0	NV	0	-937.89	-1.131350	±2.5	PASS
26(824-849)	10MHz	QPSK	26840	50RB#0	NV	10	-933.75	-1.126357	±2.5	PASS



26(82 4-849)	10MHz	QPSK	26840	50RB#0	NV	20	-932.28	- 1.1245 86	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26840	50RB#0	NV	30	-928.57	- 1.12011 3	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26840	50RB#0	NV	40	-937.08	- 1.1303 79	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26840	50RB#0	NV	50	-924.51	- 1.11521 6	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	-30	-922.56	- 1.1028 87	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	-20	-923.12	- 1.1035 52	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	-10	-927.75	- 1.1090 80	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	0	-935.27	- 1.11807 6	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	10	-926.45	- 1.1075 36	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	20	-930.05	- 1.11183 8	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	30	-938.34	- 1.1217 46	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	40	-937.21	- 1.1203 89	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26915	50RB#0	NV	50	-920.37	- 1.1002 65	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	-30	-924.36	- 1.1017 40	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	-20	-923.94	- 1.1012 39	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	-10	-929.29	- 1.1076 11	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	0	-937.30	- 1.11716 6	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	10	-929.69	- 1.1080 89	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	20	-929.04	-	±2.5	PASS



4-849)								1.1073 20		
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	30	-925.98	- 1.1036 76	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	40	-938.82	- 1.11897 8	±2.5	PASS
26(82 4-849)	10MHz	QPSK	26990	50RB#0	NV	50	-924.08	- 1.1014 01	±2.5	PASS



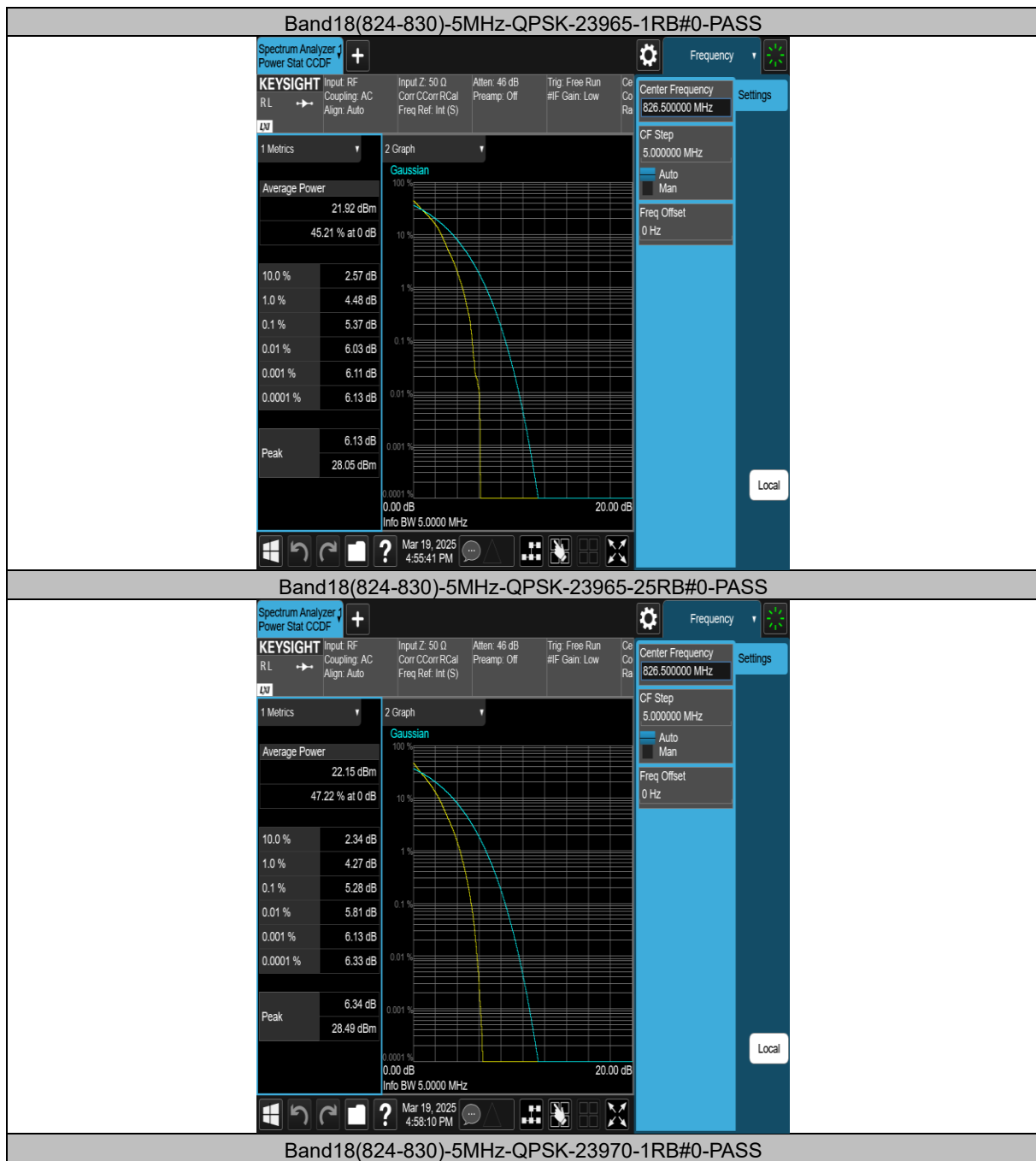
APPENDIX : PEAK-TO-AVERAGE RATIO(CCDF)

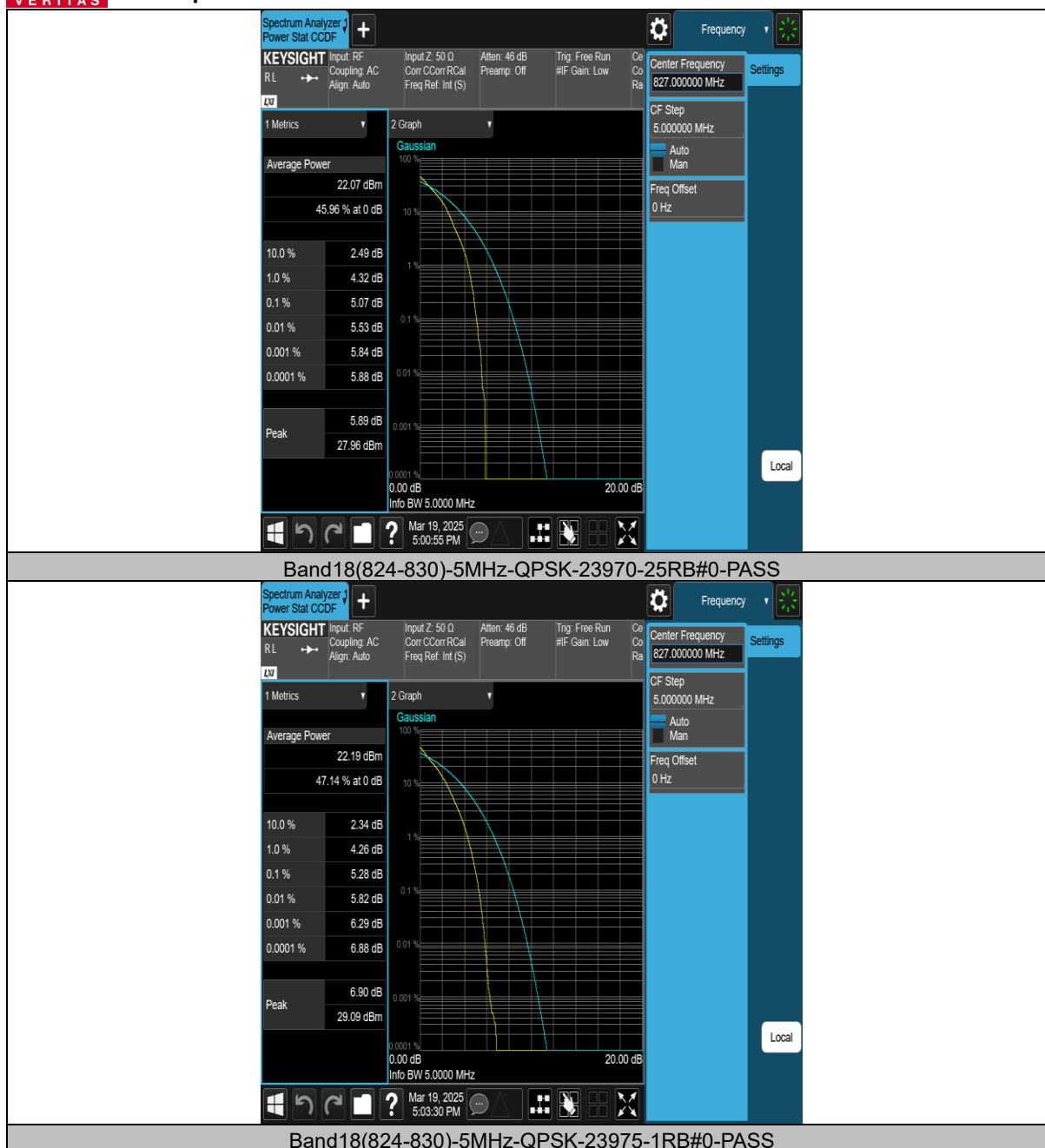
Test Result

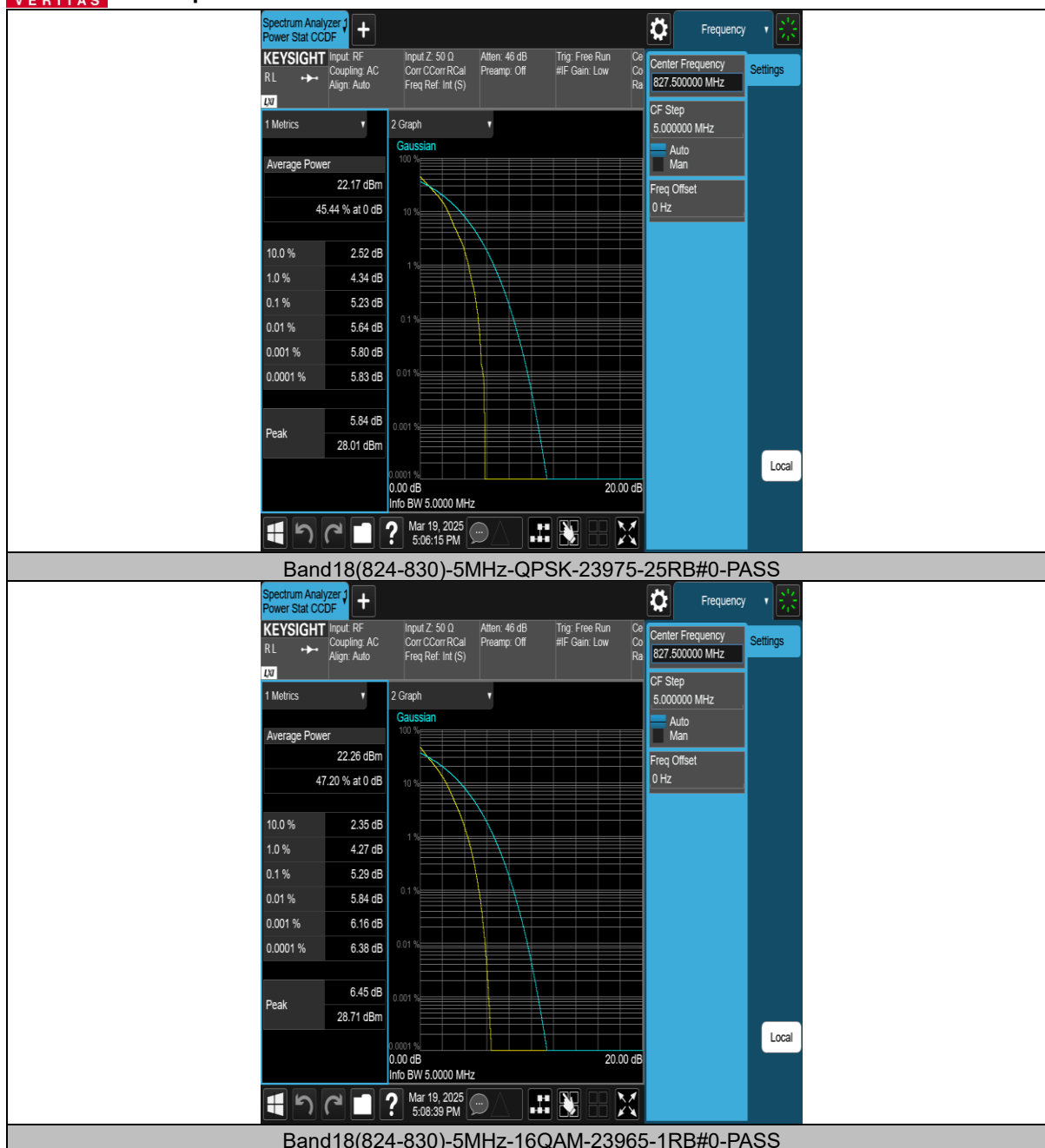
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band18(824-830)	5MHz	QPSK	23965	1RB#0	5.37	13	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	5.28	13	PASS
Band18(824-830)	5MHz	QPSK	23970	1RB#0	5.07	13	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	5.28	13	PASS
Band18(824-830)	5MHz	QPSK	23975	1RB#0	5.23	13	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	5.29	13	PASS
Band18(824-830)	5MHz	16QAM	23965	1RB#0	6.05	13	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	6.07	13	PASS
Band18(824-830)	5MHz	16QAM	23970	1RB#0	5.81	13	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	6.01	13	PASS
Band18(824-830)	5MHz	16QAM	23975	1RB#0	5.76	13	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	5.99	13	PASS

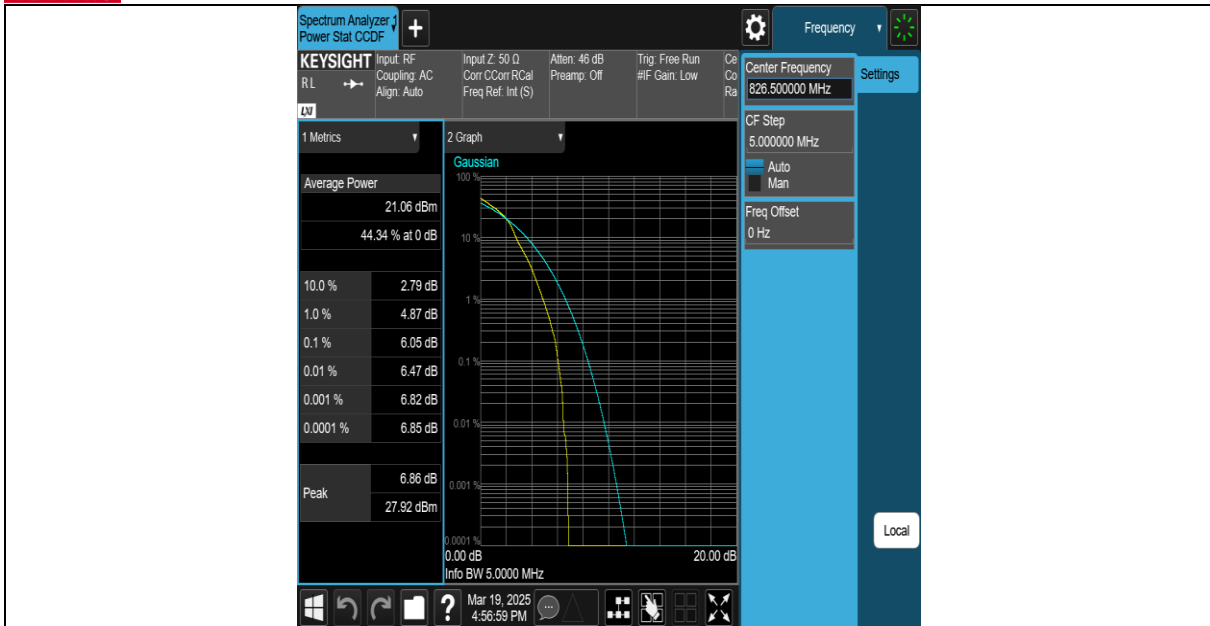


Test Graphs

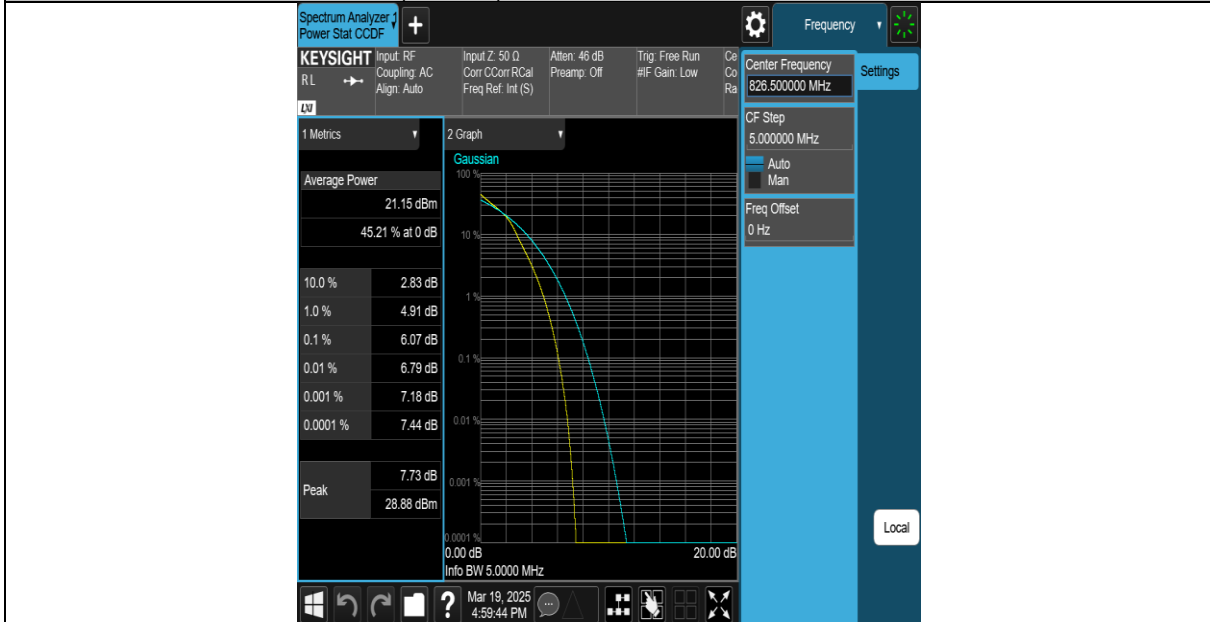




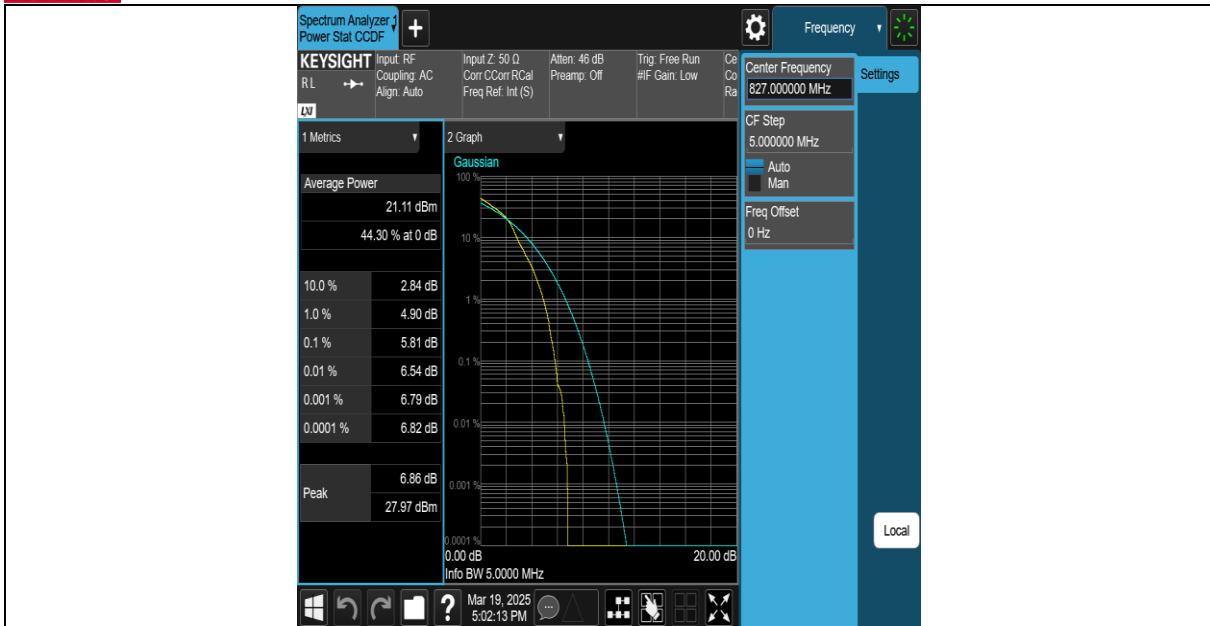




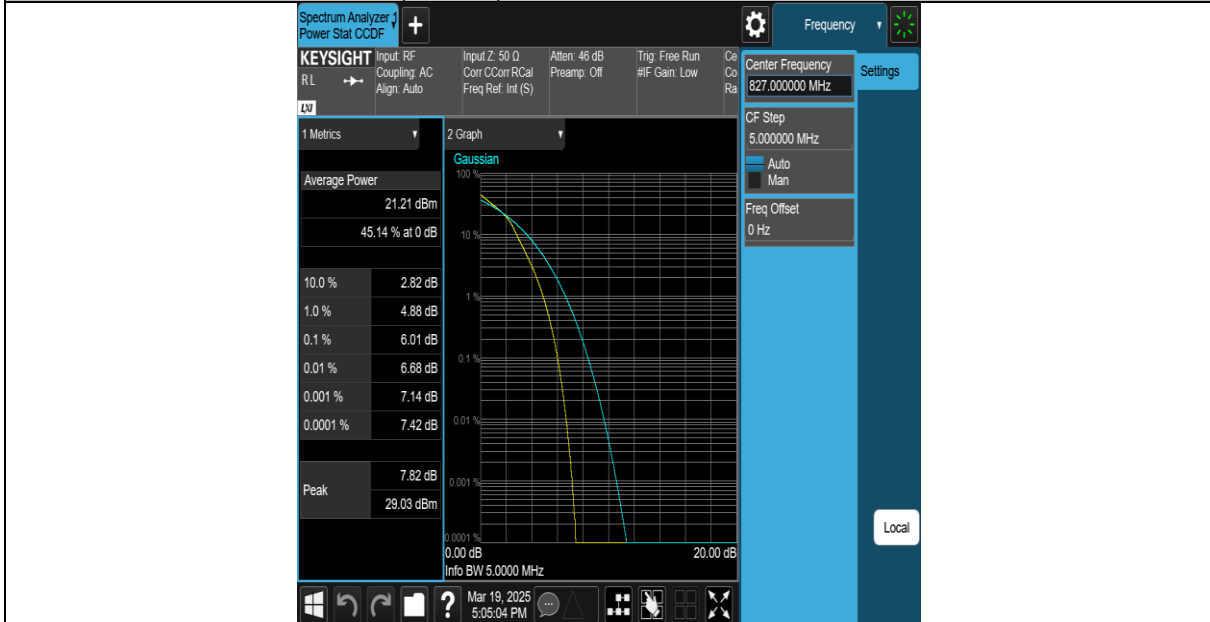
Band18(824-830)-5MHz-16QAM-23965-25RB#0-PASS



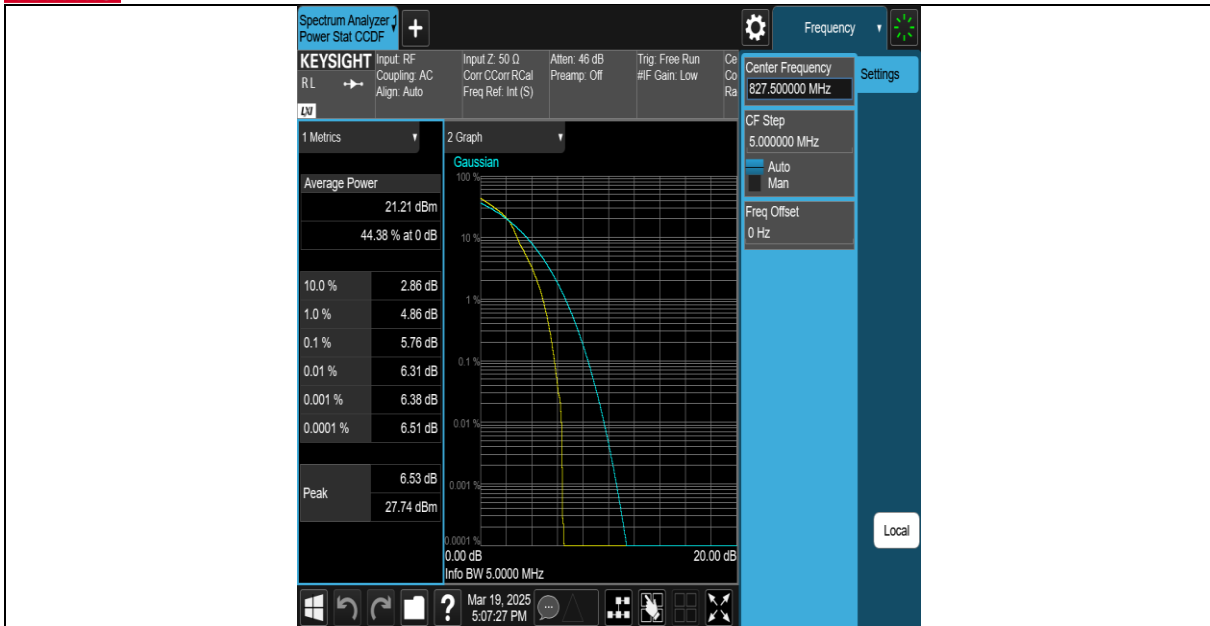
Band18(824-830)-5MHz-16QAM-23970-1RB#0-PASS



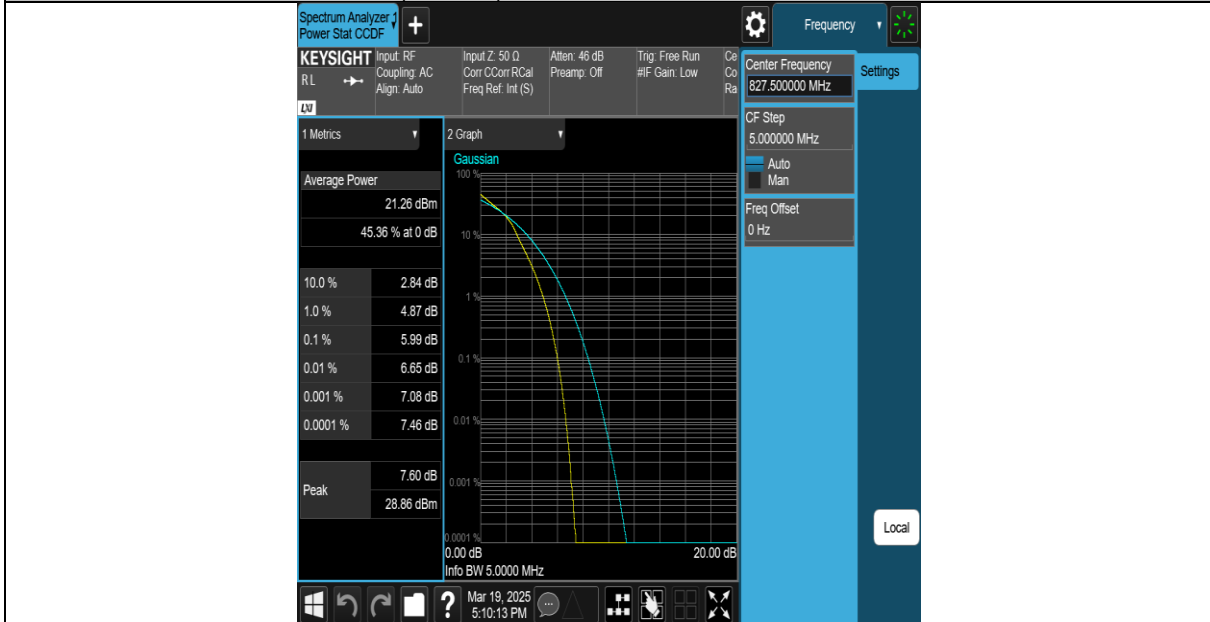
Band18(824-830)-5MHz-16QAM-23970-25RB#0-PASS



Band18(824-830)-5MHz-16QAM-23975-1RB#0-PASS



Band18(824-830)-5MHz-16QAM-23975-25RB#0-PASS



APPENDIX : 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

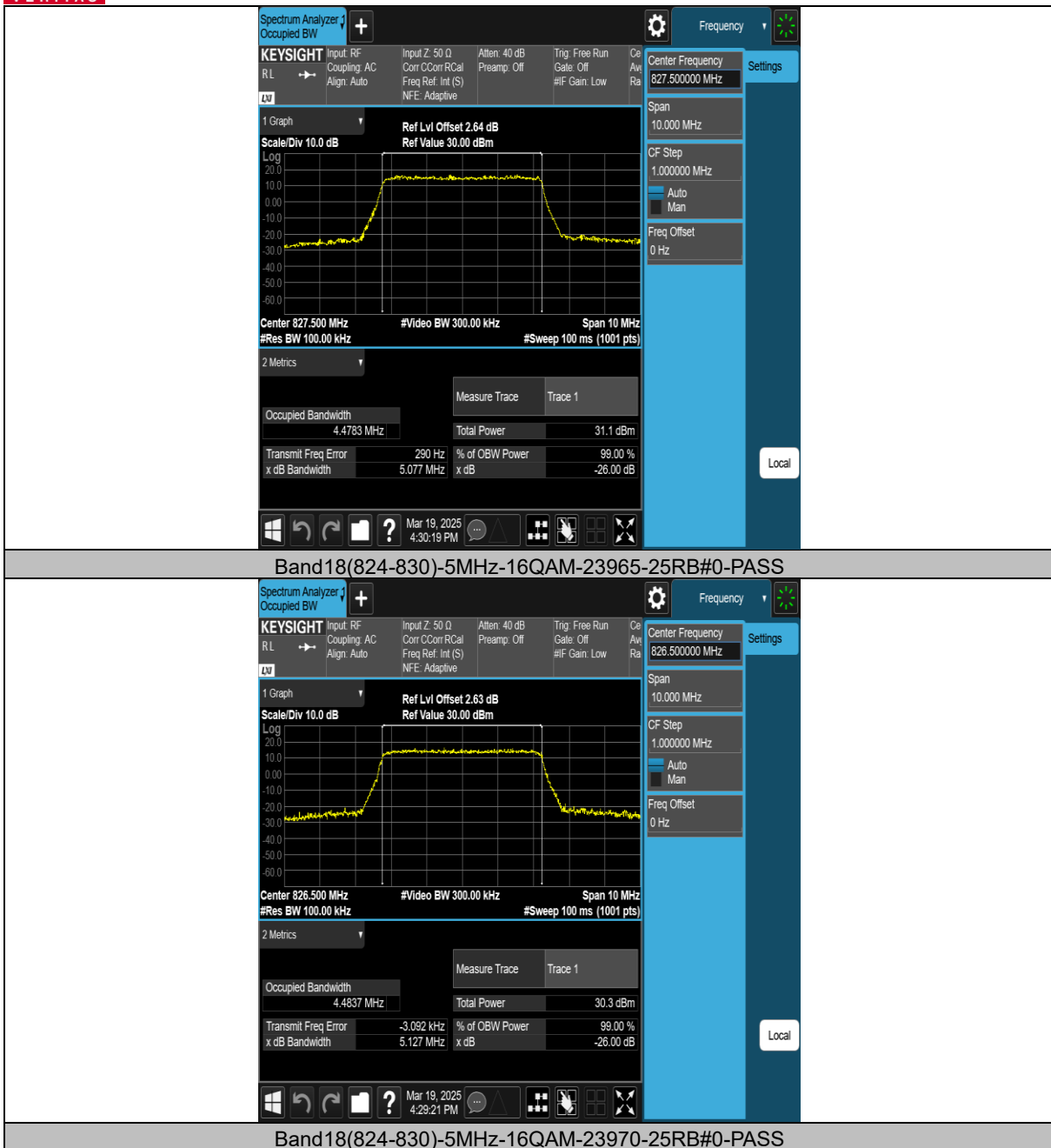
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band18(824-830)	5MHz	QPSK	23965	25RB#0	4.4834	5.128	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	4.4835	5.067	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	4.4783	5.077	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	4.4837	5.127	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	4.4804	5.079	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	4.4863	5.083	PASS



Test Graphs







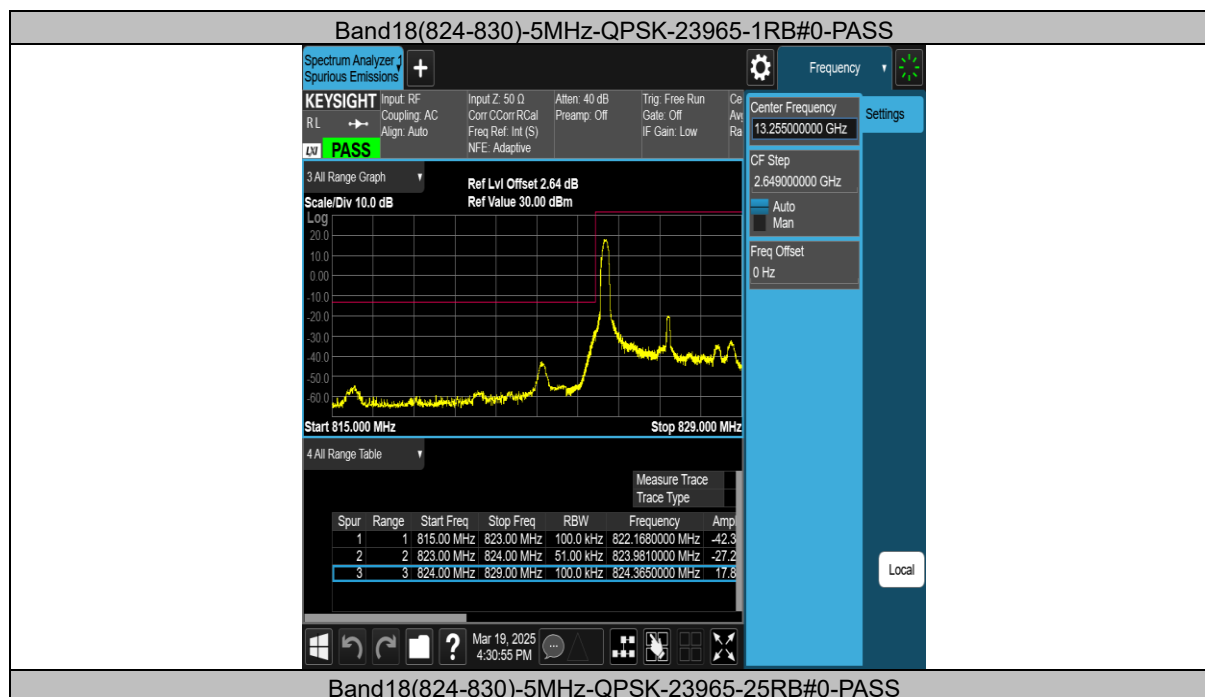


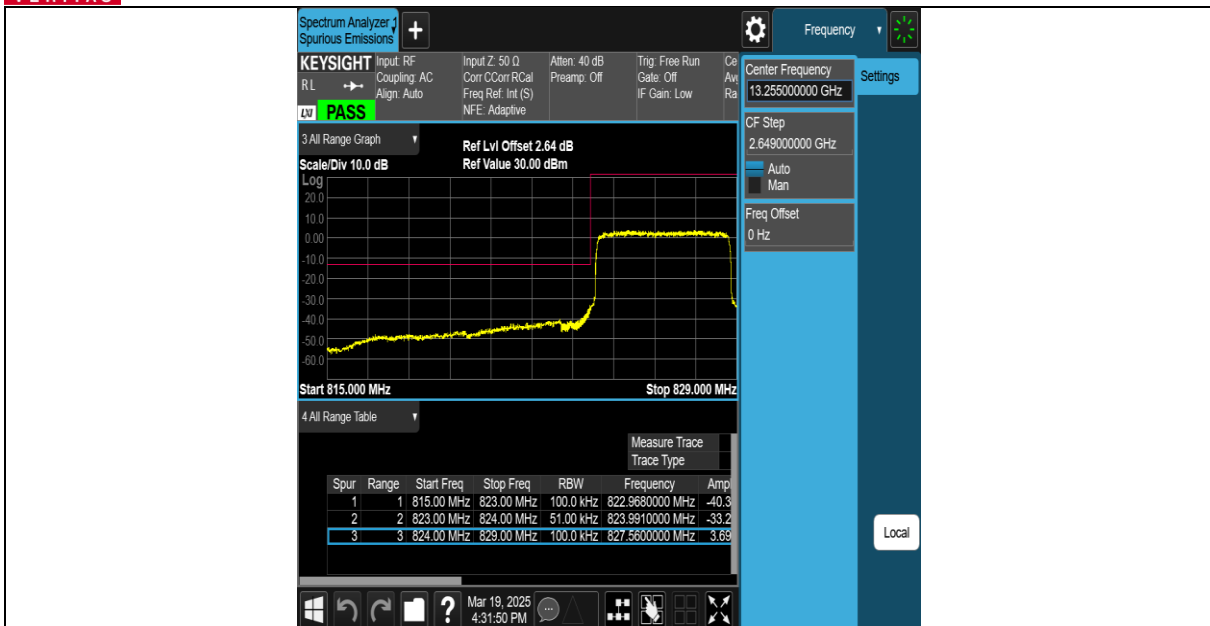
APPENDIX : BAND EDGE

Test Result

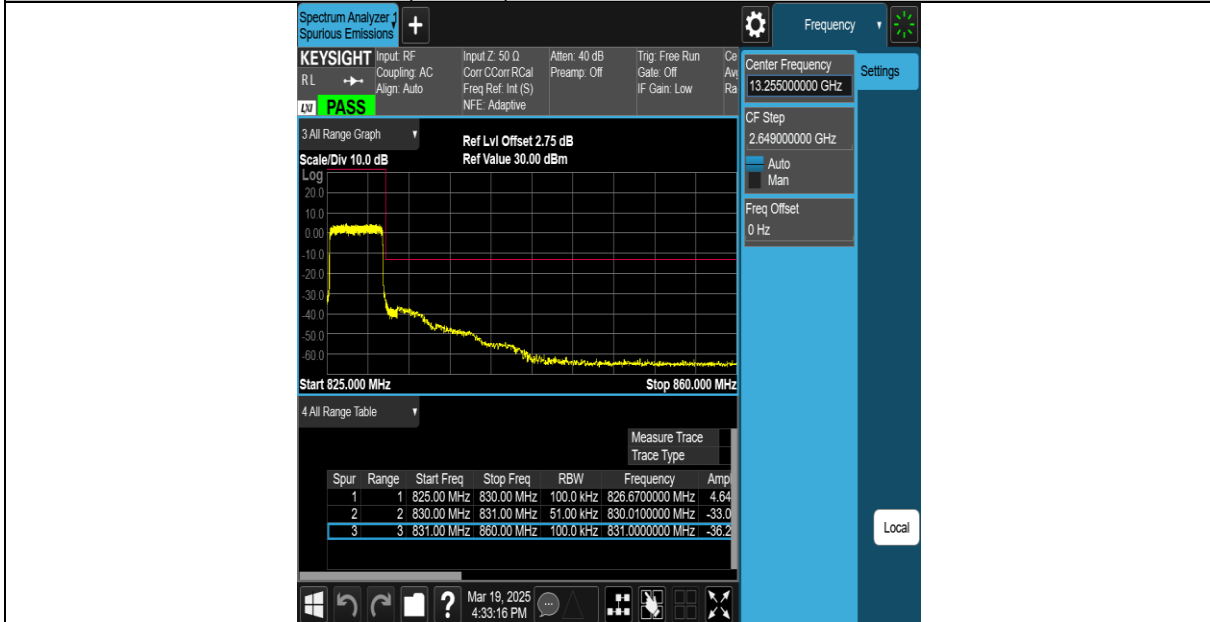
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band18(824-830)	5MHz	QPSK	23965	1RB#0	-27.20	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	-33.24	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	-33.06	PASS
Band18(824-830)	5MHz	QPSK	23975	1RB#24	-25.14	PASS
Band18(824-830)	5MHz	16QAM	23965	1RB#0	-27.96	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	-35.24	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	-34.63	PASS
Band18(824-830)	5MHz	16QAM	23975	1RB#24	-26.15	PASS

Test Graphs

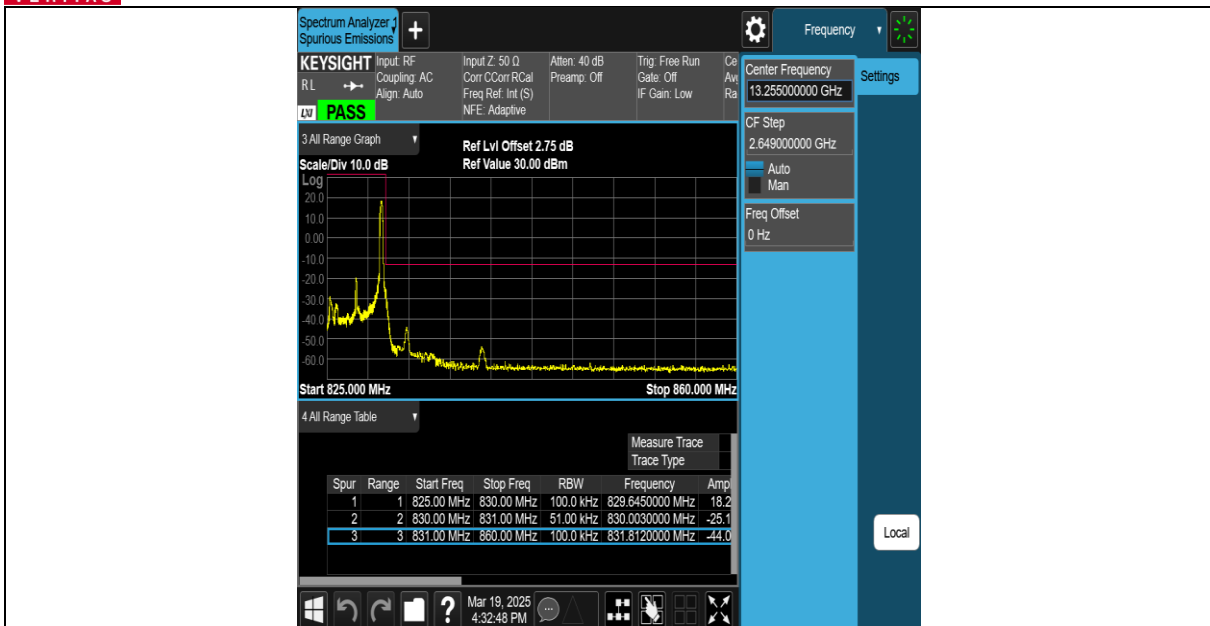




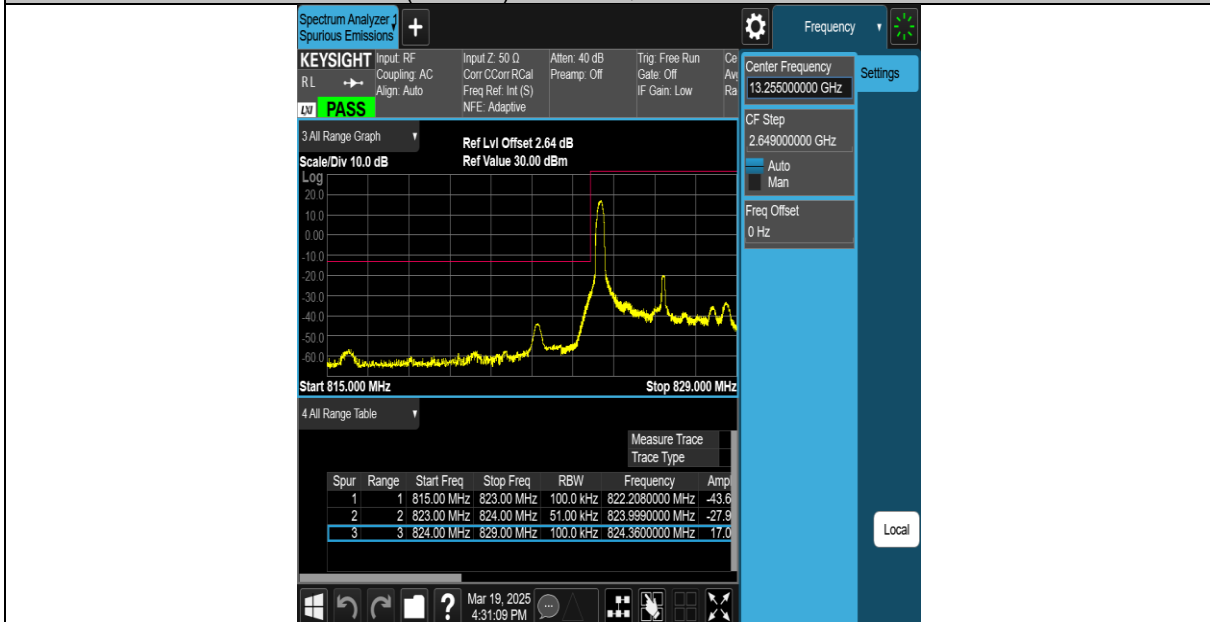
Band18(824-830)-5MHz-QPSK-23975-25RB#0-PASS



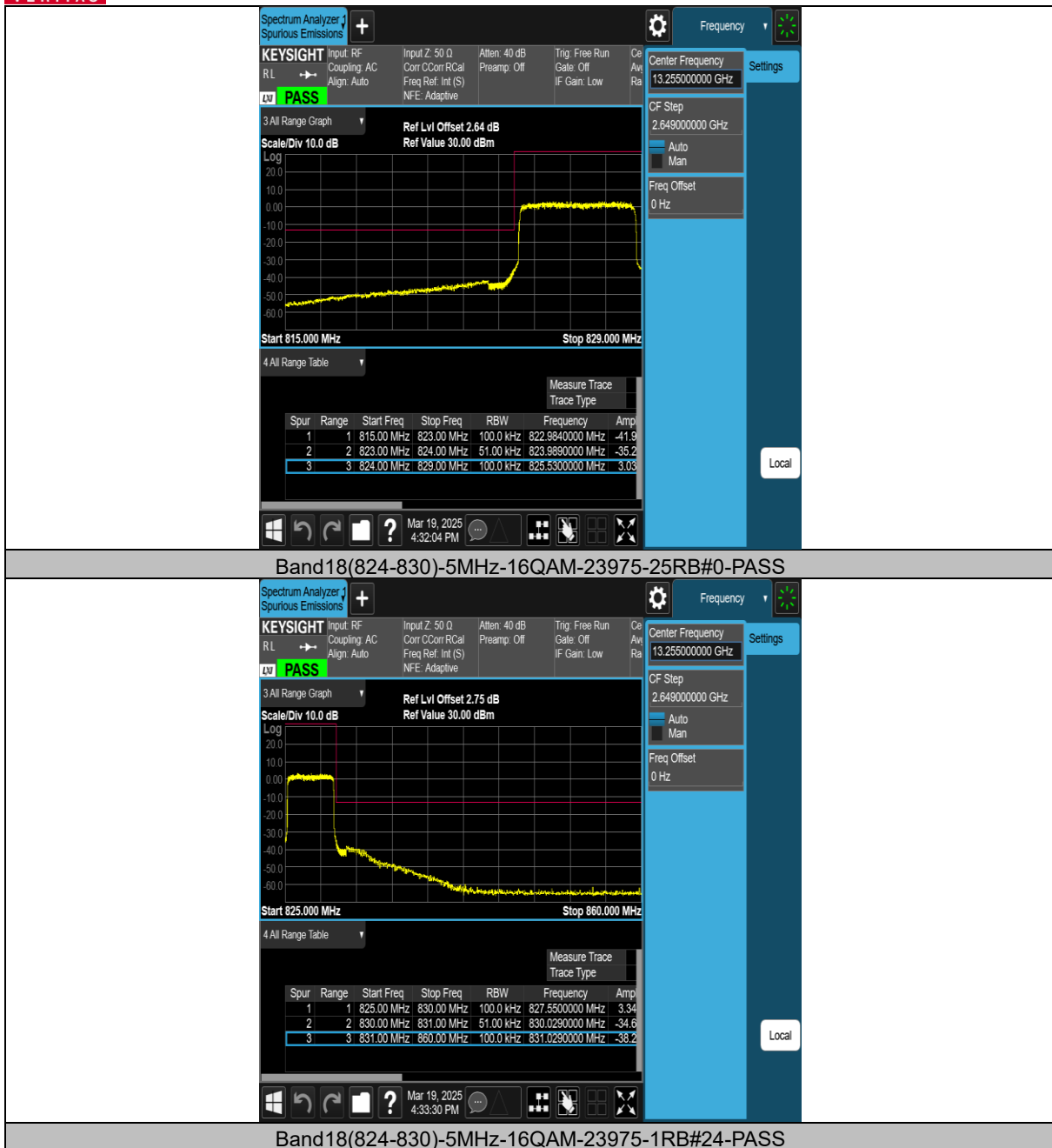
Band18(824-830)-5MHz-QPSK-23975-1RB#24-PASS



Band18(824-830)-5MHz-16QAM-23965-1RB#0-PASS

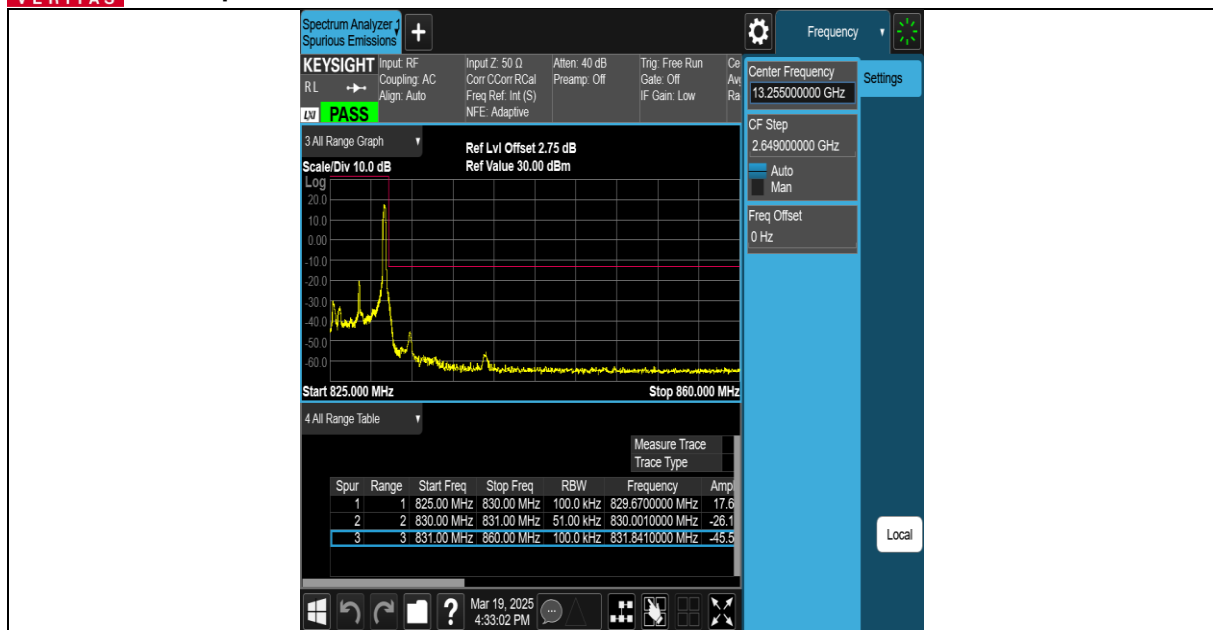


Band18(824-830)-5MHz-16QAM-23965-25RB#0-PASS





BUREAU VERITAS Test Report No.: PSU-QS22503050113RF01



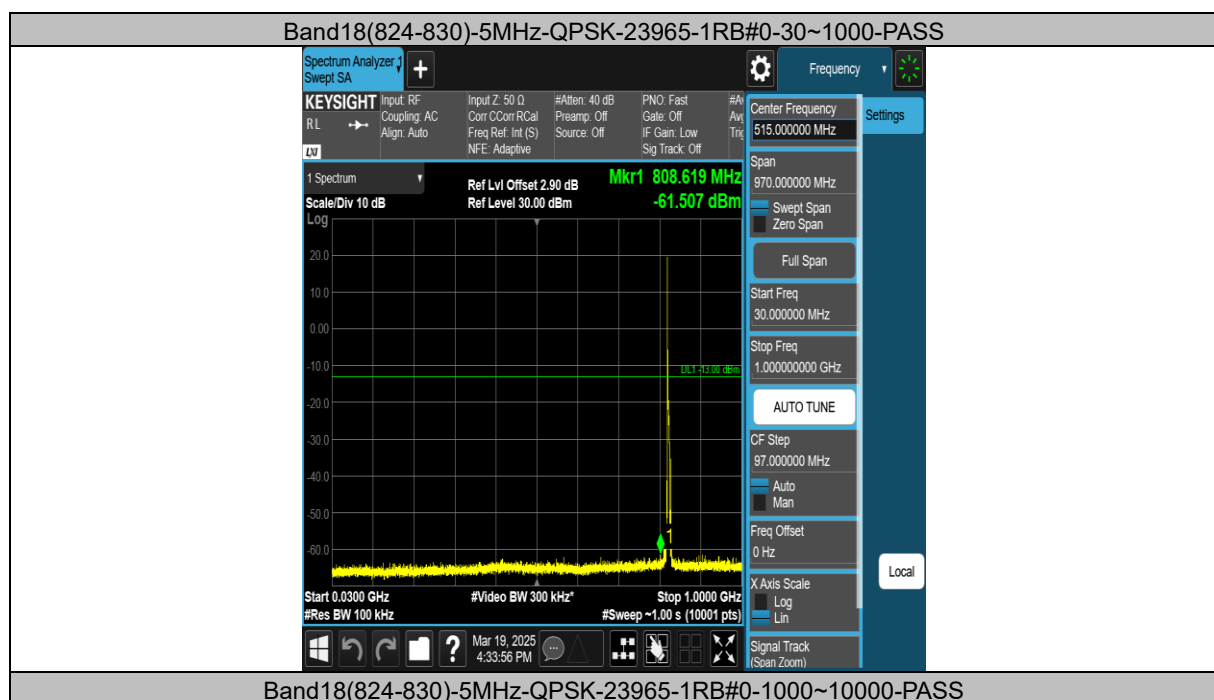


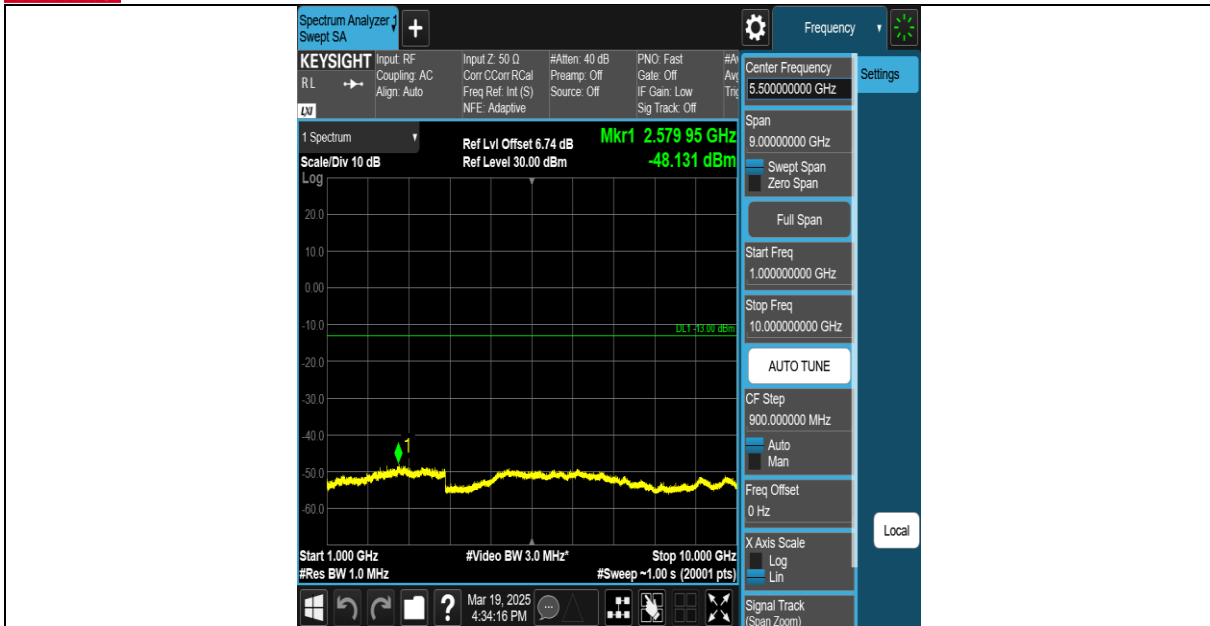
BUREAU VERITAS Test Report No.: PSU-QSZ2503050113RF01
APPENDIX : CONDUCTED SPURIOUS EMISSION

Test Result

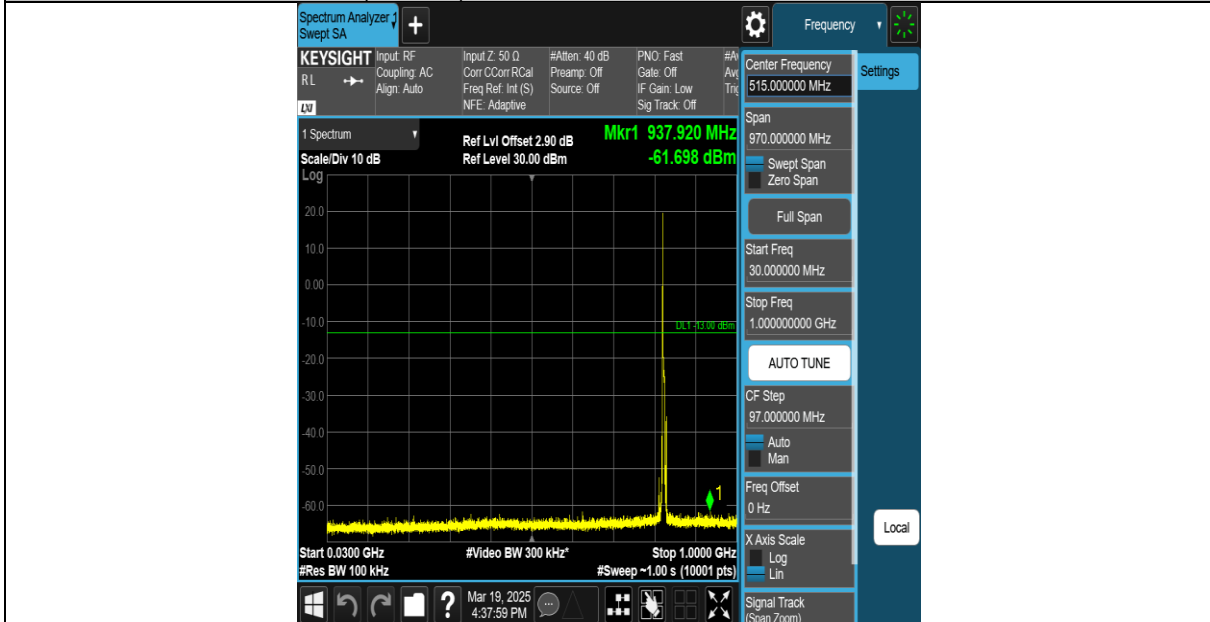
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band18(824-830)	5MHz	QPSK	23965	1RB#0	30~1000	-61.51	PASS
Band18(824-830)	5MHz	QPSK	23965	1RB#0	1000~10000	-48.13	PASS
Band18(824-830)	5MHz	QPSK	23970	1RB#0	30~1000	-61.70	PASS
Band18(824-830)	5MHz	QPSK	23970	1RB#0	1000~10000	-48.43	PASS
Band18(824-830)	5MHz	QPSK	23975	1RB#0	30~1000	-61.08	PASS
Band18(824-830)	5MHz	QPSK	23975	1RB#0	1000~10000	-47.98	PASS

Test Graphs

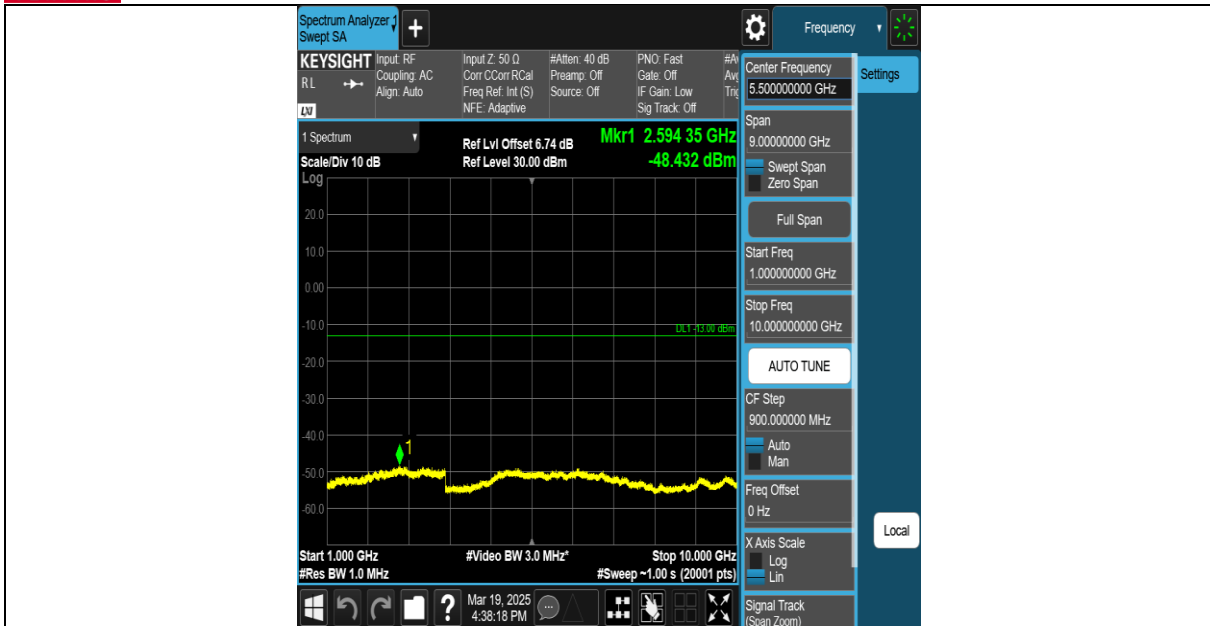




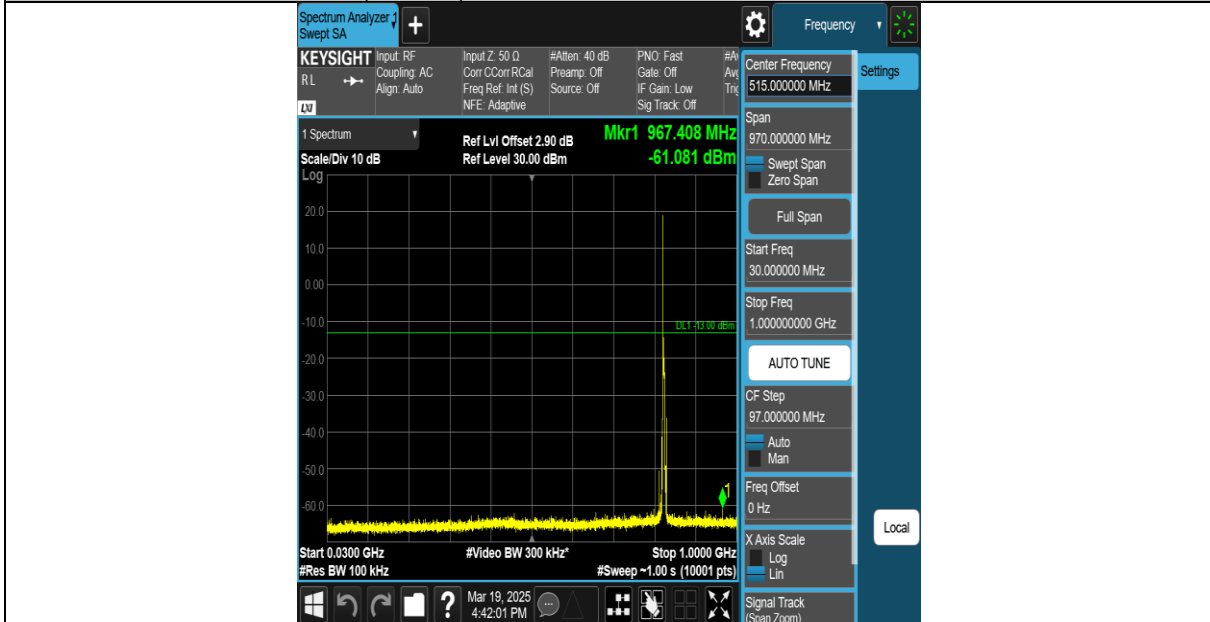
Band18(824-830)-5MHz-QPSK-23970-1RB#0-30~1000-PASS



Band18(824-830)-5MHz-QPSK-23970-1RB#0-1000~10000-PASS



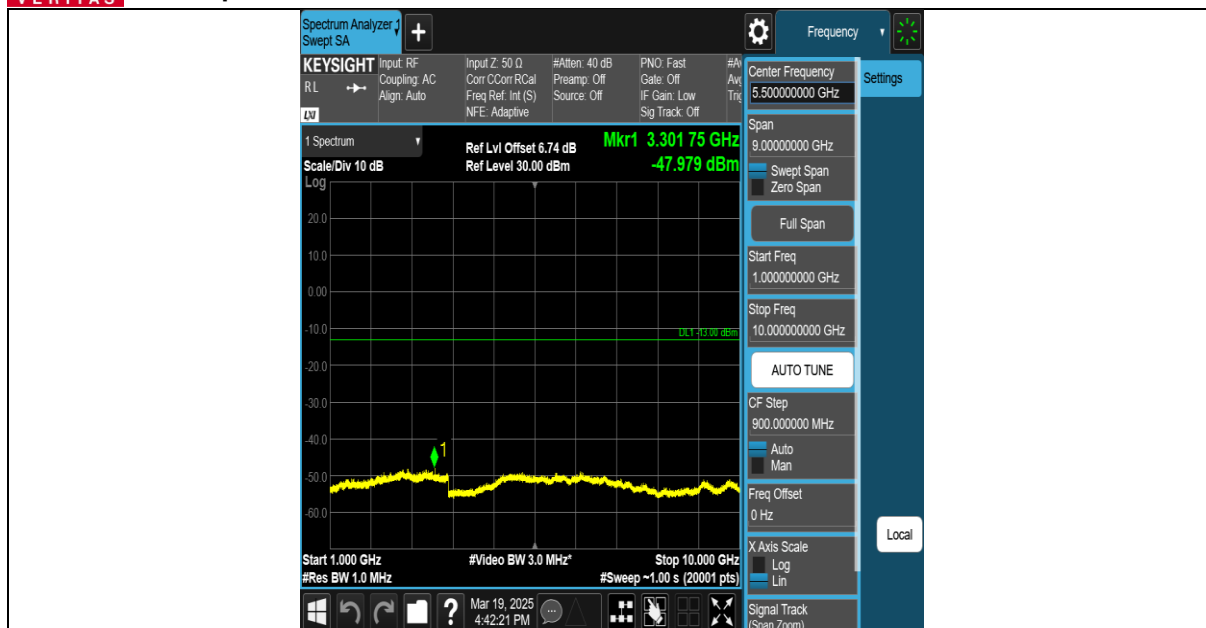
Band18(824-830)-5MHz-QPSK-23975-1RB#0-30~1000-PASS



Band18(824-830)-5MHz-QPSK-23975-1RB#0-1000~10000-PASS



BUREAU VERITAS Test Report No.: PSU-QSZ2503050113RF01





APPENDIX : FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	VN	NT	-5.11	-0.006183	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	VL	NT	-3.39	-0.004102	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	VH	NT	-3.93	-0.004755	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	VN	NT	-6.12	-0.007400	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	VL	NT	-4.78	-0.005780	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	VH	NT	-4.22	-0.005103	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	VN	NT	-2.69	-0.003251	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	VL	NT	-1.40	-0.001692	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	VH	NT	-4.35	-0.005257	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	VN	NT	-6.25	-0.007562	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	VL	NT	-7.61	-0.009208	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	VH	NT	-6.87	-0.008312	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	VN	NT	-6.34	-0.007666	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	VL	NT	-5.44	-0.006578	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	VH	NT	-3.36	-0.004063	±2.5	PASS
Band18	5MHz	16QAM	23975	25RB#0	VN	NT	-8.13	-0.009825	±2.5	PASS



(824-830)										
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	VL	NT	-7.93	-0.009583	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	VH	NT	-7.72	-0.009329	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	-30	-4.06	-0.004912	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	-20	-3.96	-0.004791	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	-10	-5.95	-0.007199	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	0	-6.58	-0.007961	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	10	-6.85	-0.008288	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	20	-7.32	-0.008857	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	30	-7.57	-0.009159	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	40	-6.48	-0.007840	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	50	-6.17	-0.007465	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	-30	-2.17	-0.002624	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	-20	-4.96	-0.005998	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	-10	-4.69	-0.005671	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	0	-6.69	-0.008089	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	10	-8.75	-0.010580	±2.5	PASS



Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	20	-6.92	-0.008368	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	30	-5.34	-0.006457	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	40	-7.68	-0.009287	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	50	-5.72	-0.006917	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	-30	-2.88	-0.003480	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	-20	-6.34	-0.007662	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	-10	-8.18	-0.009885	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	0	-7.17	-0.008665	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	10	-7.12	-0.008604	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	20	-11.60	-0.014018	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	30	-8.61	-0.010405	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	40	-6.35	-0.007674	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	50	-7.91	-0.009559	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	-30	-7.74	-0.009365	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	-20	-7.88	-0.009534	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	-10	-6.78	-0.008203	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	0	-6.92	-0.008373	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	10	-6.22	-0.007526	±2.5	PASS
Band18	5MHz	16QAM	23965	25RB#0	NV	20	-2.25	-0.002722	±2.5	PASS



(824-830)										
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	30	-3.53	-0.004271	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	40	-5.15	-0.006231	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	50	-2.75	-0.003327	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	-30	-4.75	-0.005744	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	-20	-4.91	-0.005937	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	-10	-4.09	-0.004946	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	0	-5.98	-0.007231	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	10	-3.00	-0.003628	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	20	-3.36	-0.004063	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	30	-2.33	-0.002817	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	40	-1.89	-0.002285	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23970	25RB#0	NV	50	-3.49	-0.004220	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	-30	-8.67	-0.010477	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	-20	-4.62	-0.005583	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	-10	-4.45	-0.005378	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	0	-6.45	-0.007795	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	10	-6.24	-0.007541	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	20	-6.69	-0.008085	±2.5	PASS



830)										
Band18 (824- 830)	5MHz	16QAM	23975	25RB#0	NV	30	-5.36	-0.006477	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23975	25RB#0	NV	40	-4.94	-0.005970	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23975	25RB#0	NV	50	-4.79	-0.005789	±2.5	PASS



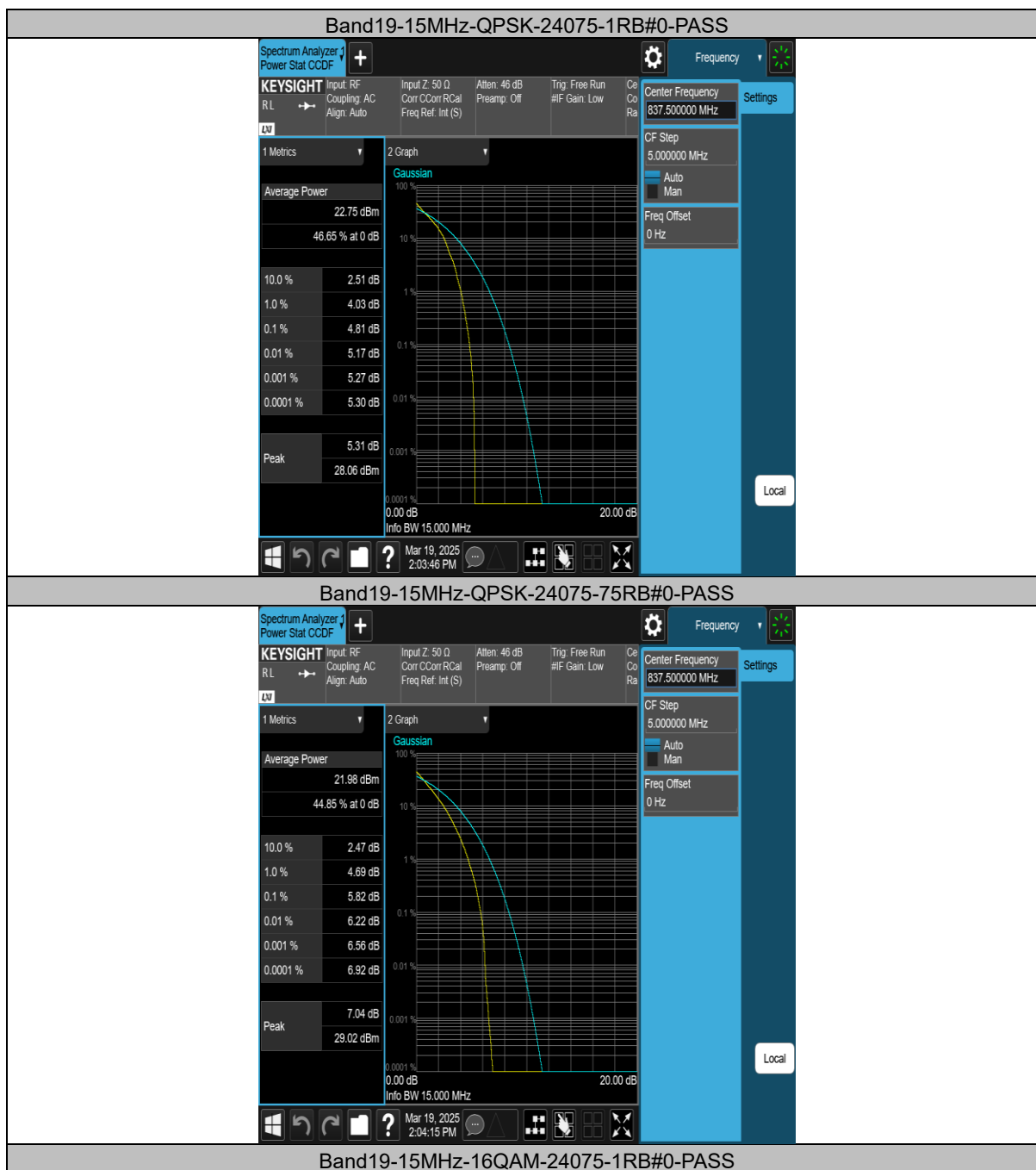
APPENDIX : PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band19	15MHz	QPSK	24075	1RB#0	4.81	13	PASS
Band19	15MHz	QPSK	24075	75RB#0	5.82	13	PASS
Band19	15MHz	16QAM	24075	1RB#0	5.72	13	PASS
Band19	15MHz	16QAM	24075	27RB#0	6.16	13	PASS



Test Graphs





BUREAU VERITAS Test Report No.: PSU-QSZ2503050113RF01



**APPENDIX : 26DB BANDWIDTH AND OCCUPIED BANDWIDTH****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	4.4831	5.124	PASS
Band19	5MHz	QPSK	24075	25RB#0	4.4821	5.076	PASS
Band19	5MHz	QPSK	24125	25RB#0	4.4853	5.080	PASS
Band19	5MHz	16QAM	24025	25RB#0	4.4874	5.097	PASS
Band19	5MHz	16QAM	24075	25RB#0	4.4834	5.135	PASS
Band19	5MHz	16QAM	24125	25RB#0	4.4817	5.091	PASS
Band19	10MHz	QPSK	24050	50RB#0	8.9228	9.656	PASS
Band19	10MHz	QPSK	24075	50RB#0	8.9234	9.734	PASS
Band19	10MHz	QPSK	24100	50RB#0	8.9456	9.678	PASS
Band19	10MHz	16QAM	24050	27RB#0	5.1709	7.131	PASS
Band19	10MHz	16QAM	24075	27RB#0	5.1410	7.621	PASS
Band19	10MHz	16QAM	24100	27RB#0	5.1387	7.766	PASS
Band19	15MHz	QPSK	24075	75RB#0	13.525	16.39	PASS
Band19	15MHz	16QAM	24075	27RB#0	5.4961	7.915	PASS



Test Graphs

