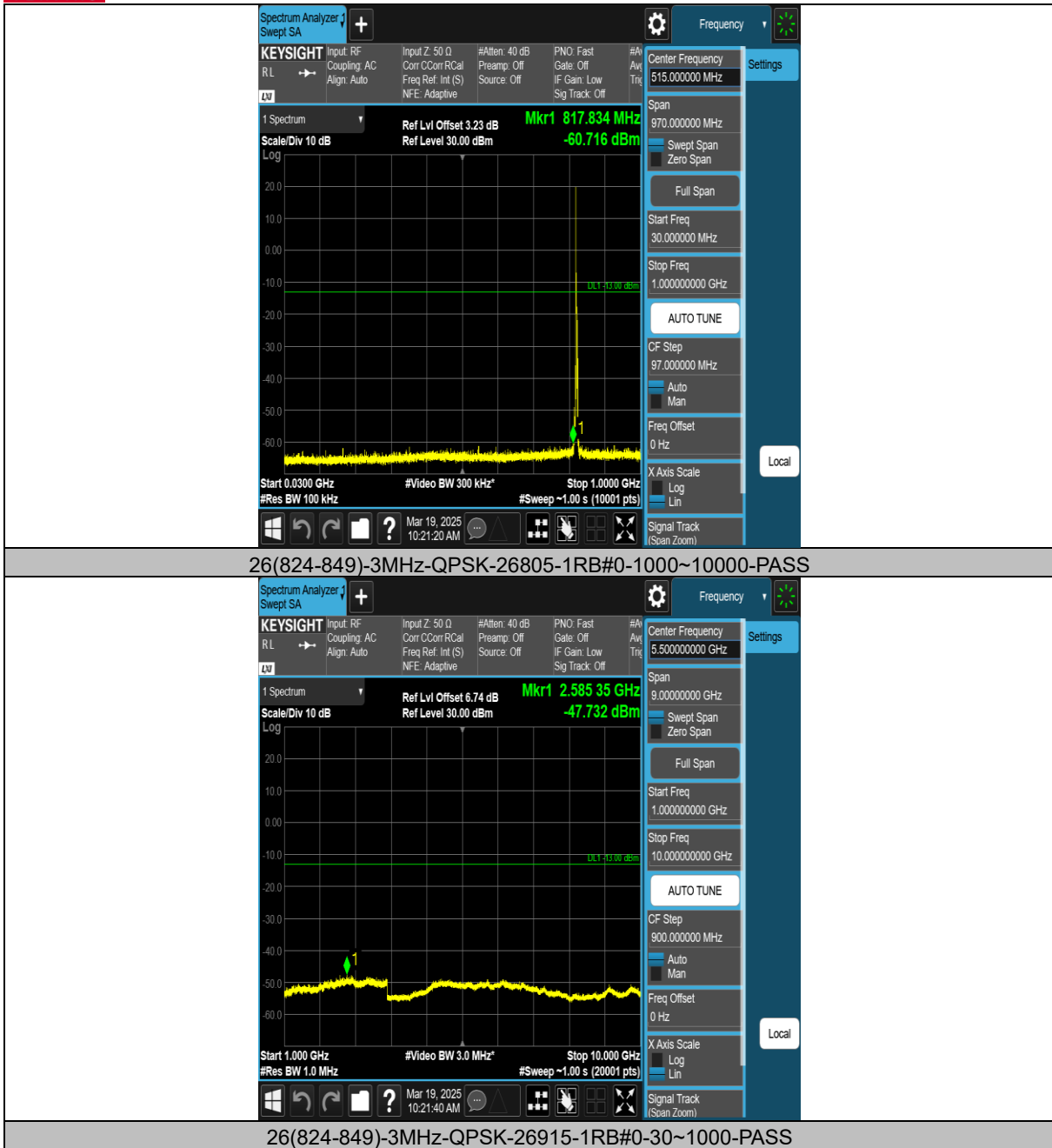
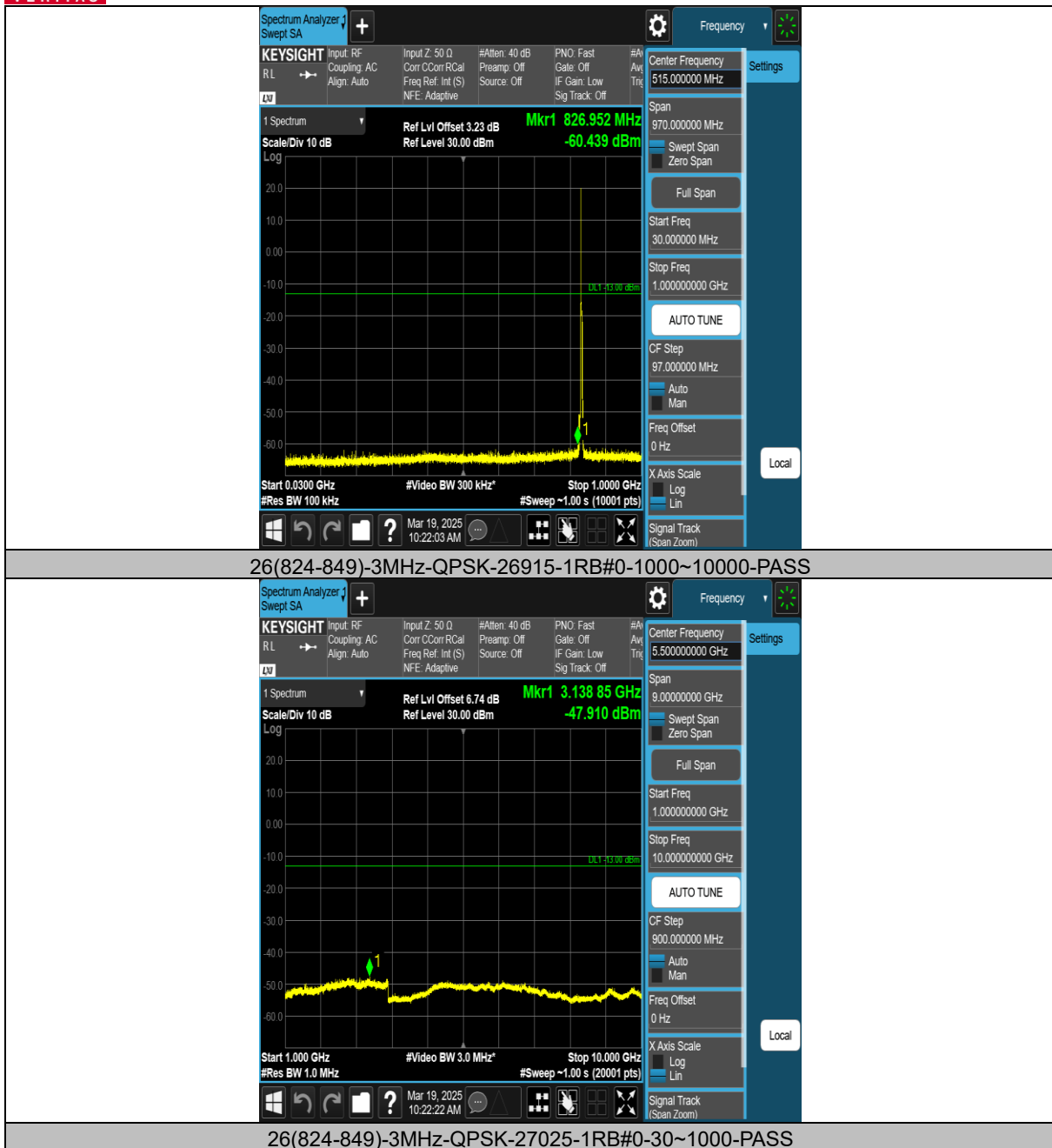
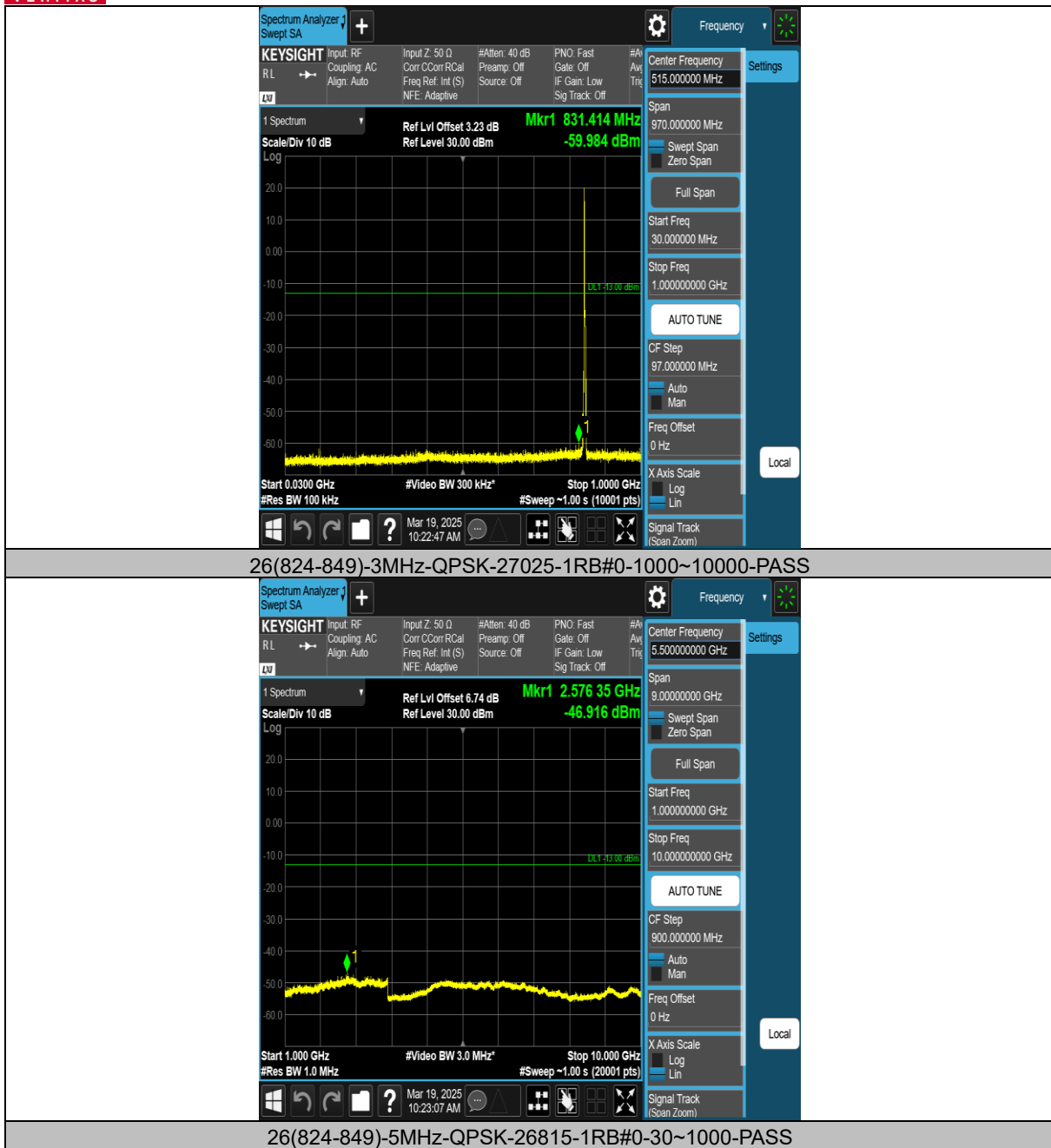
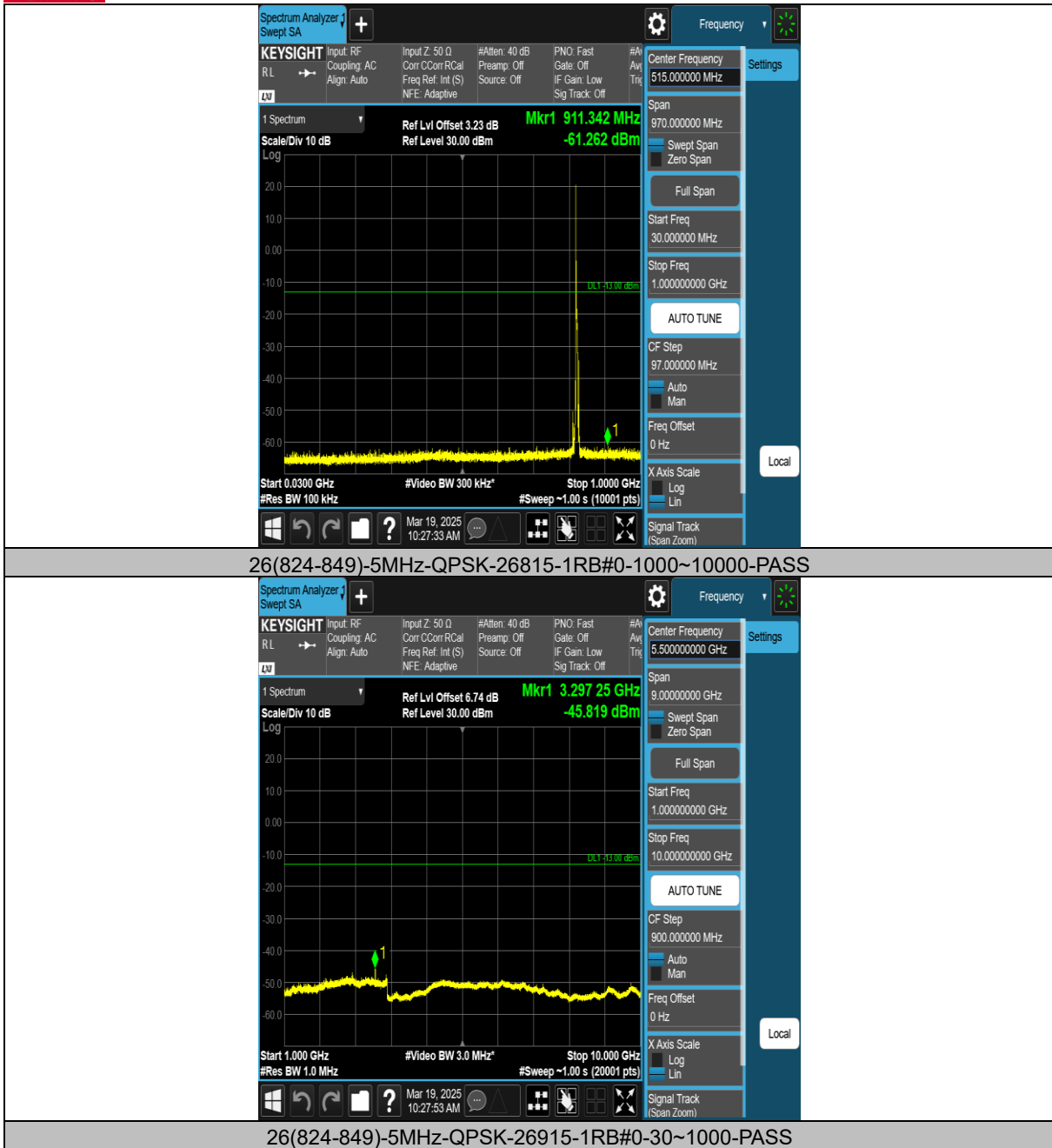
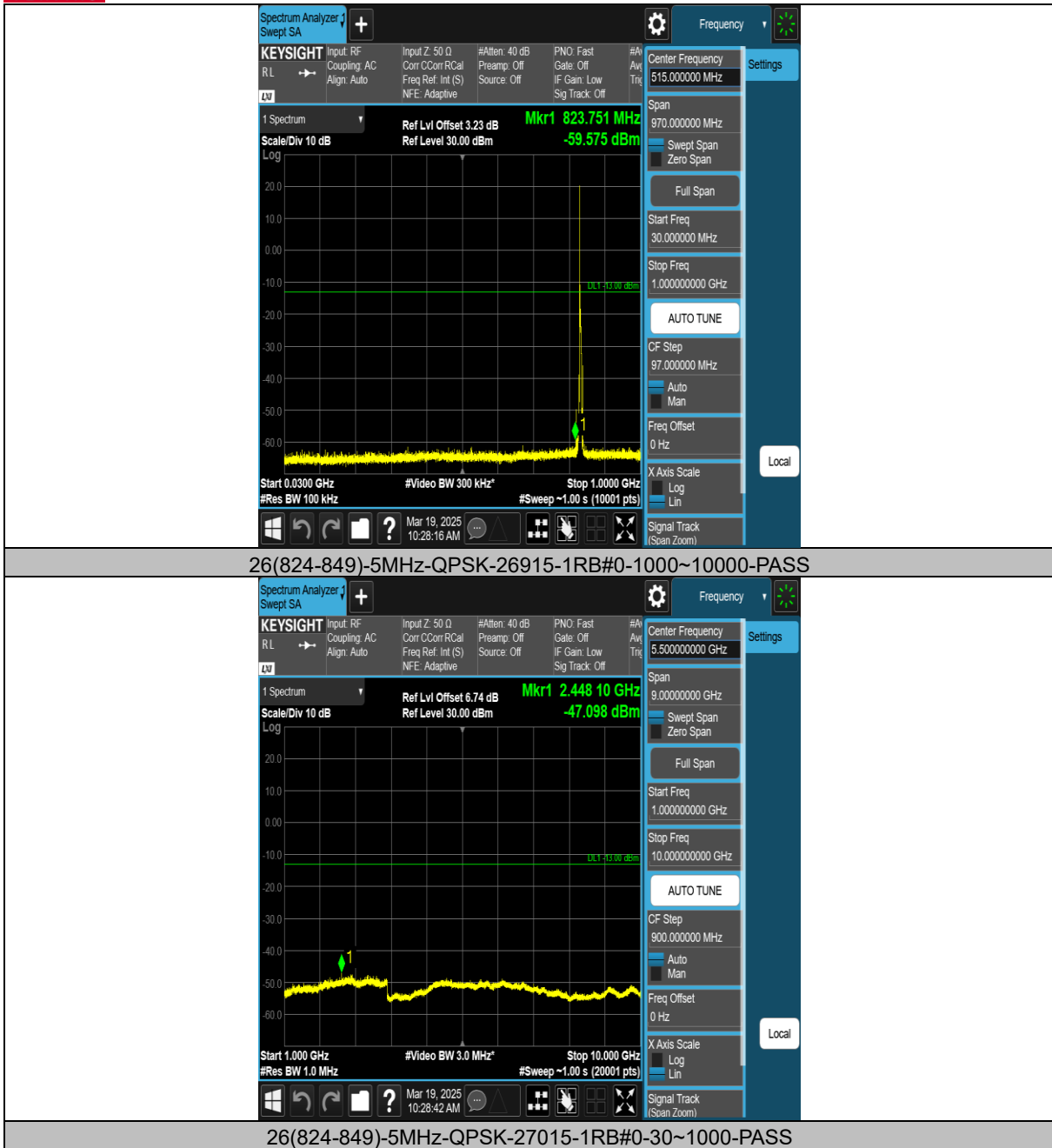


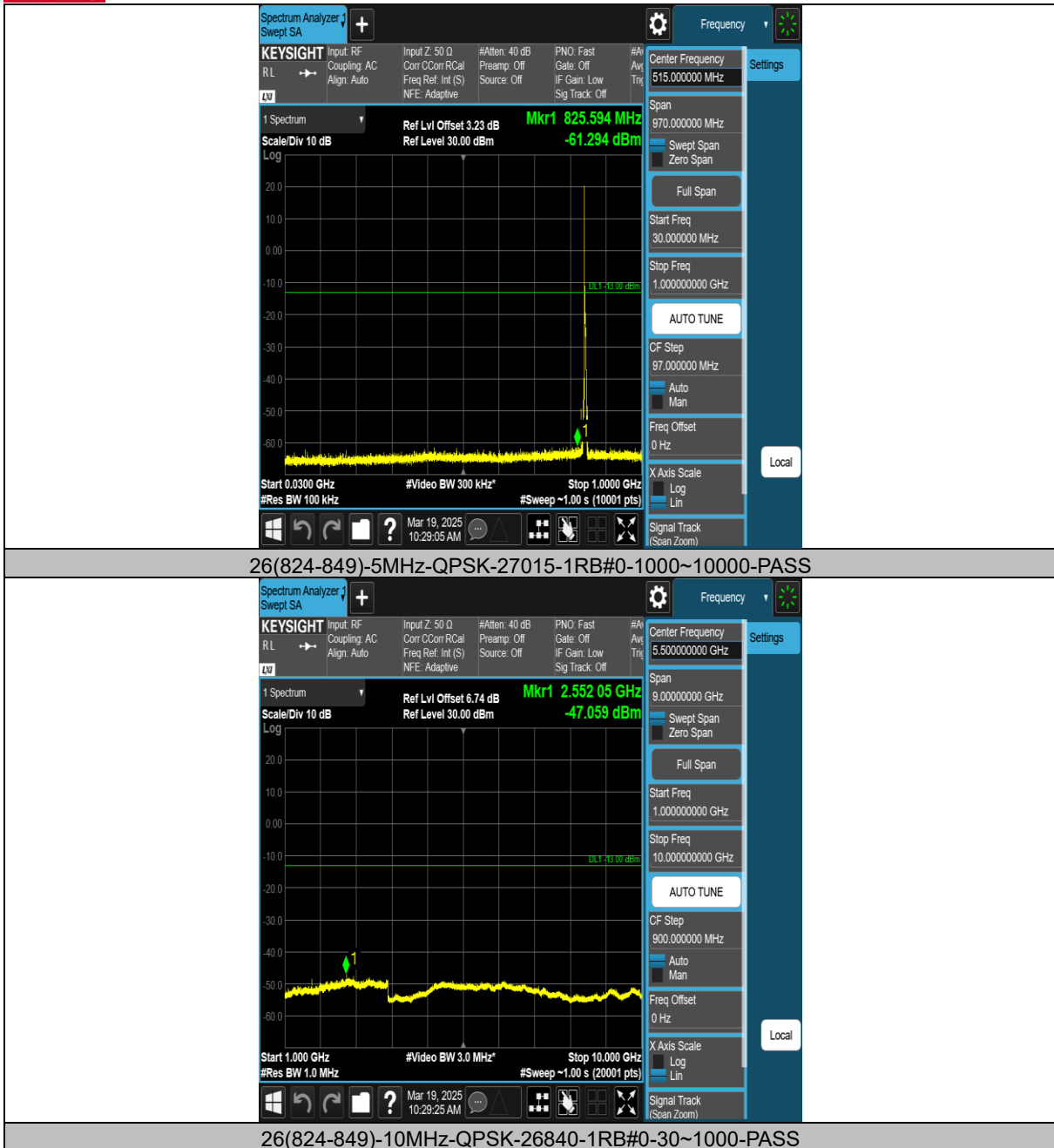


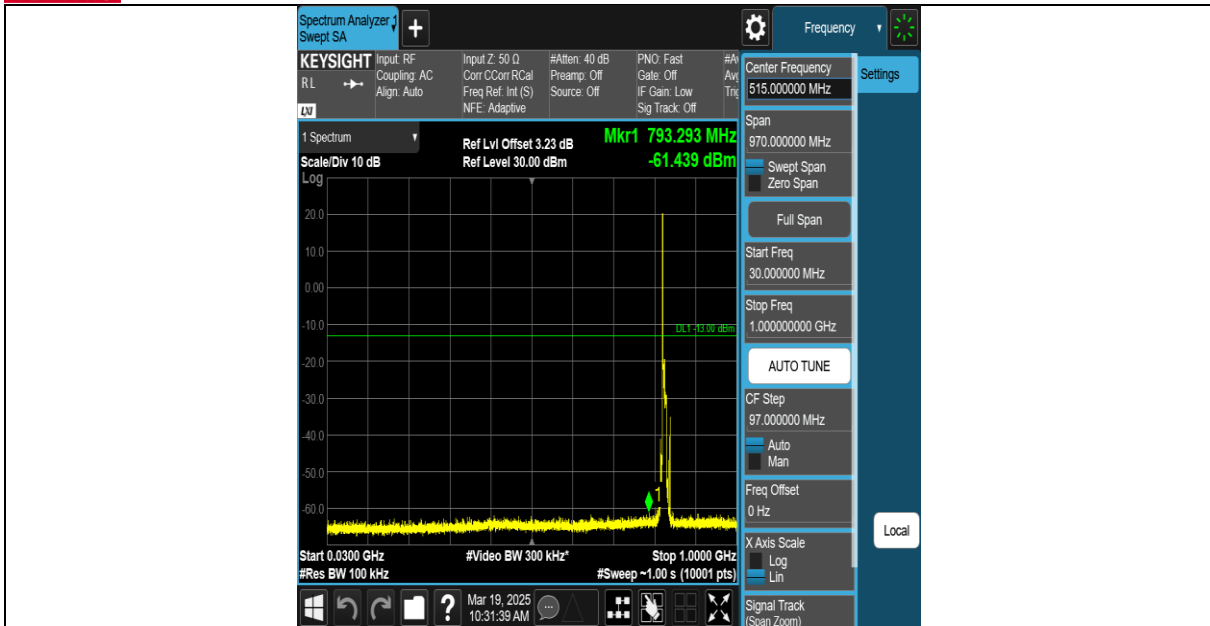




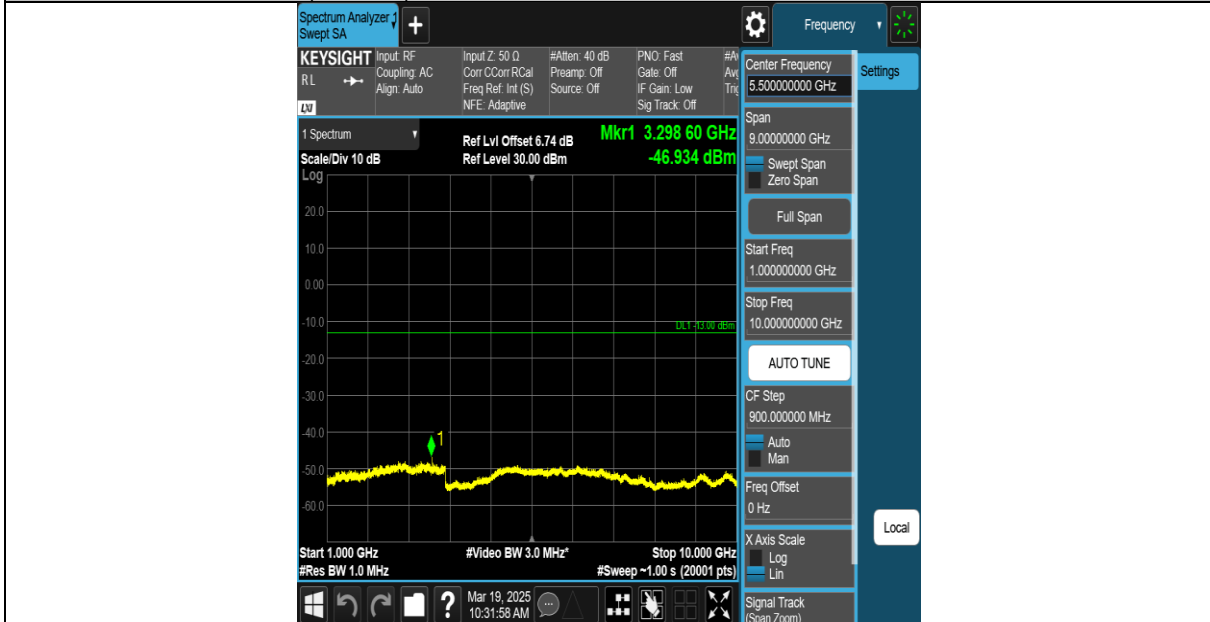




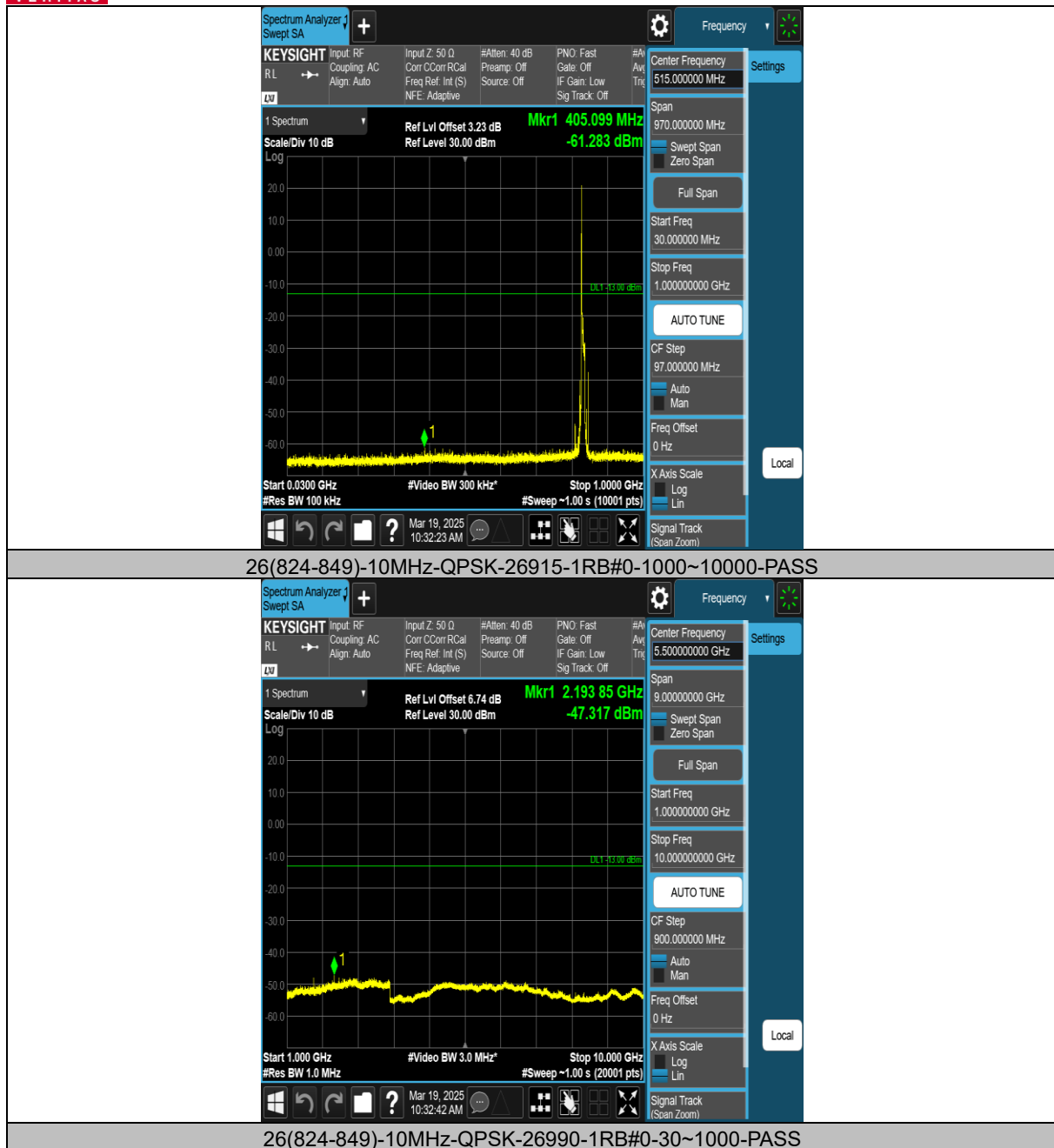


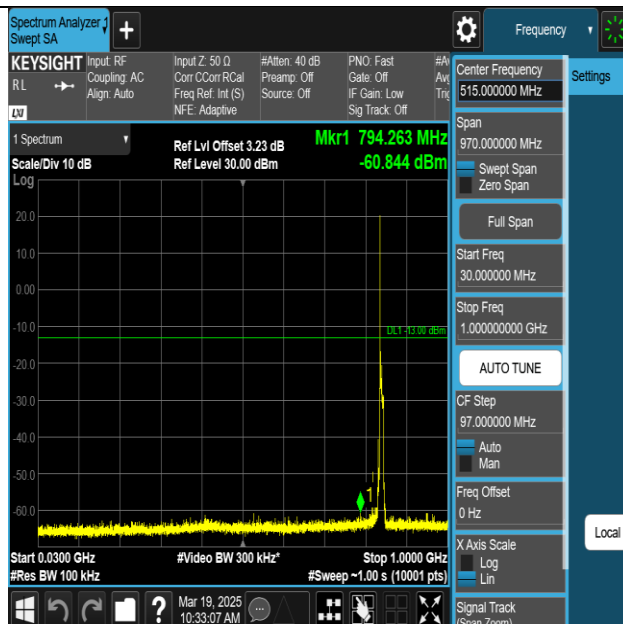


26(824-849)-10MHz-QPSK-26840-1RB#0-1000~10000-PASS

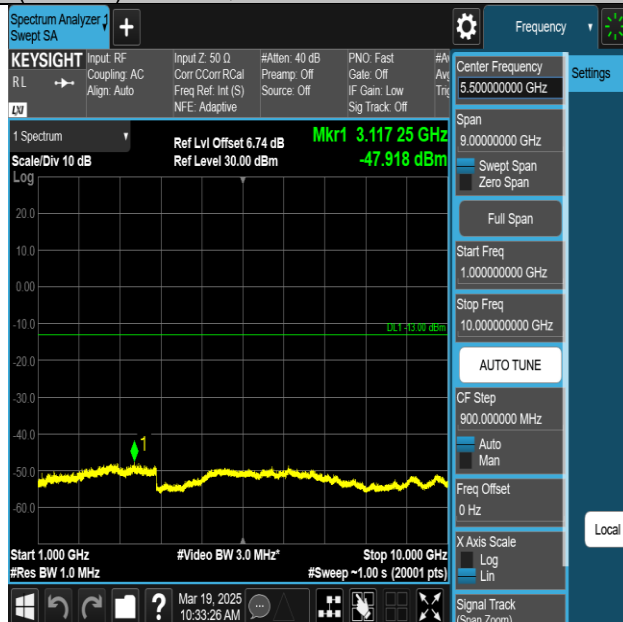


26(824-849)-10MHz-QPSK-26915-1RB#0-30~1000-PASS





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

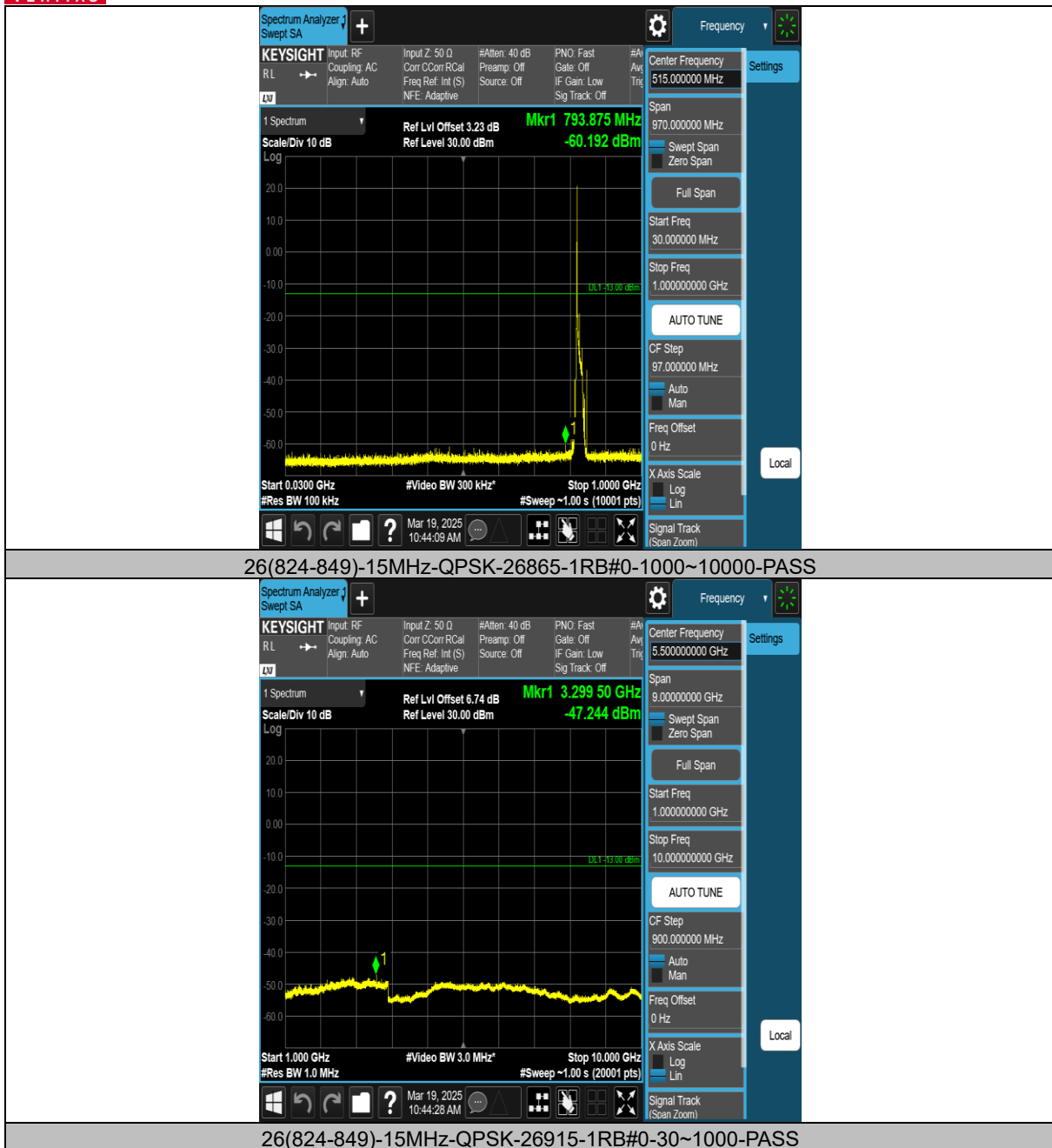


26(824-849)-15MHz-QPSK-26865-1RB#0-30~1000-PASS



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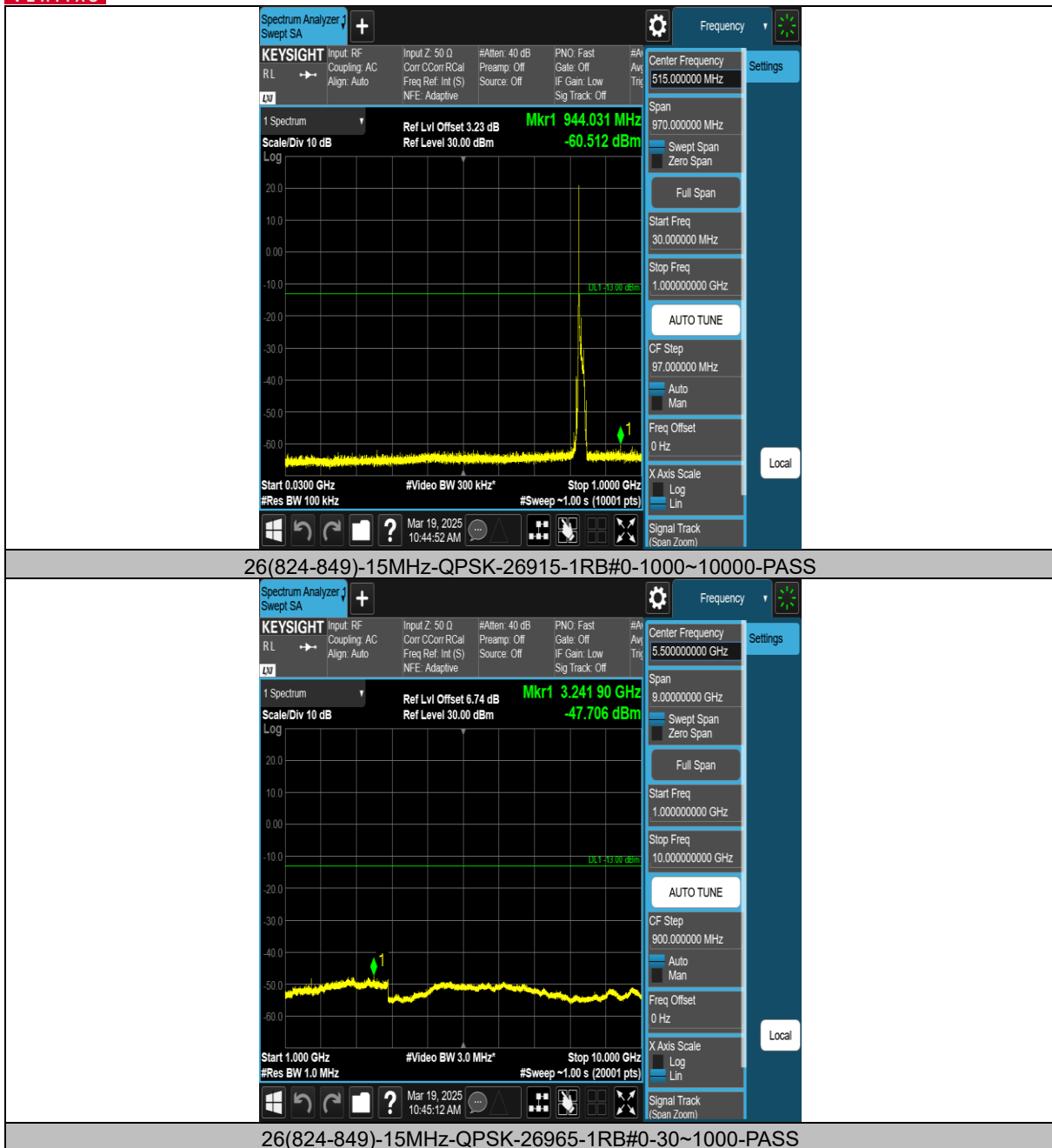
Test Report No.: PSU-QSZ2503050113RF01

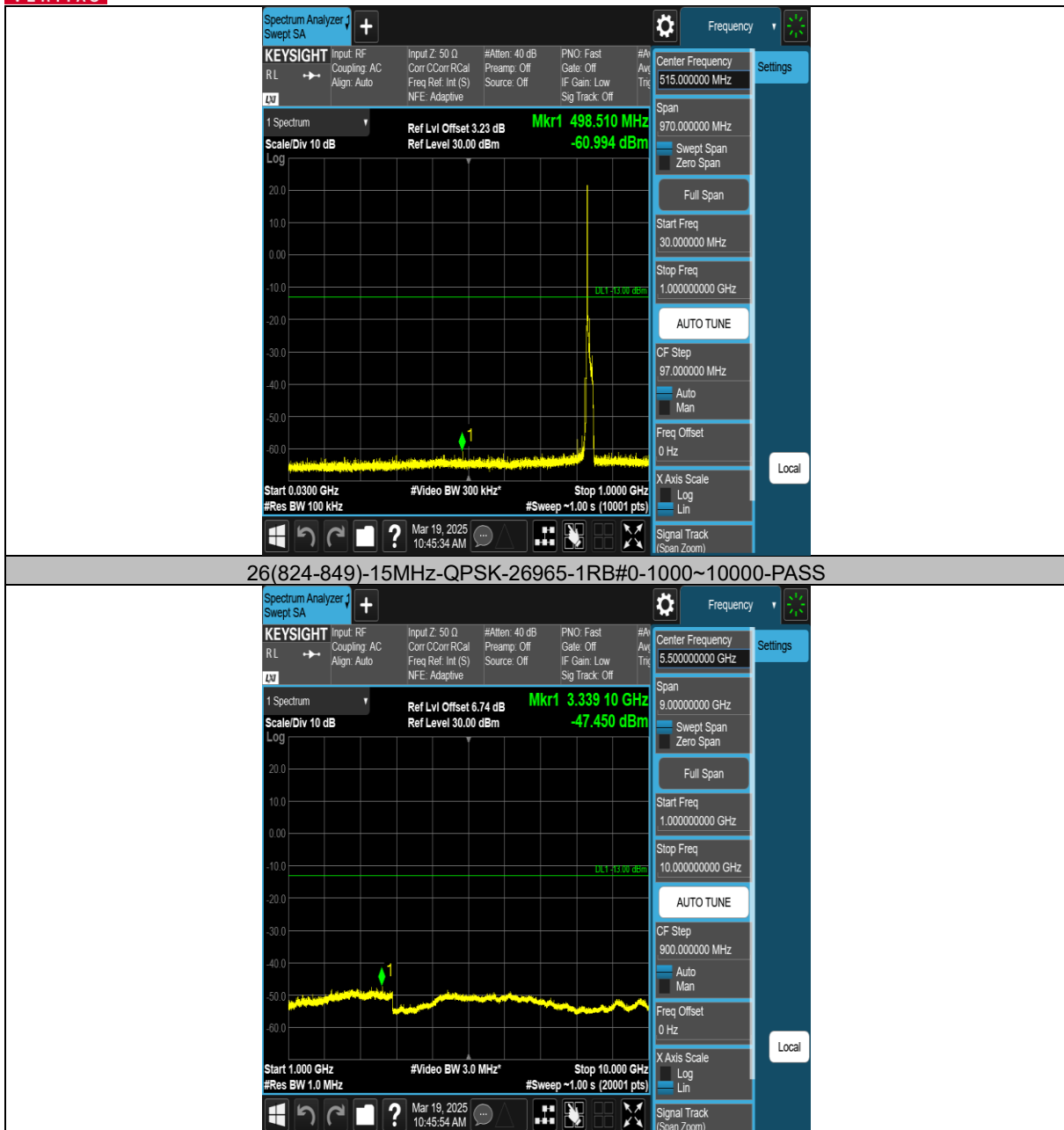




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VERITAS

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



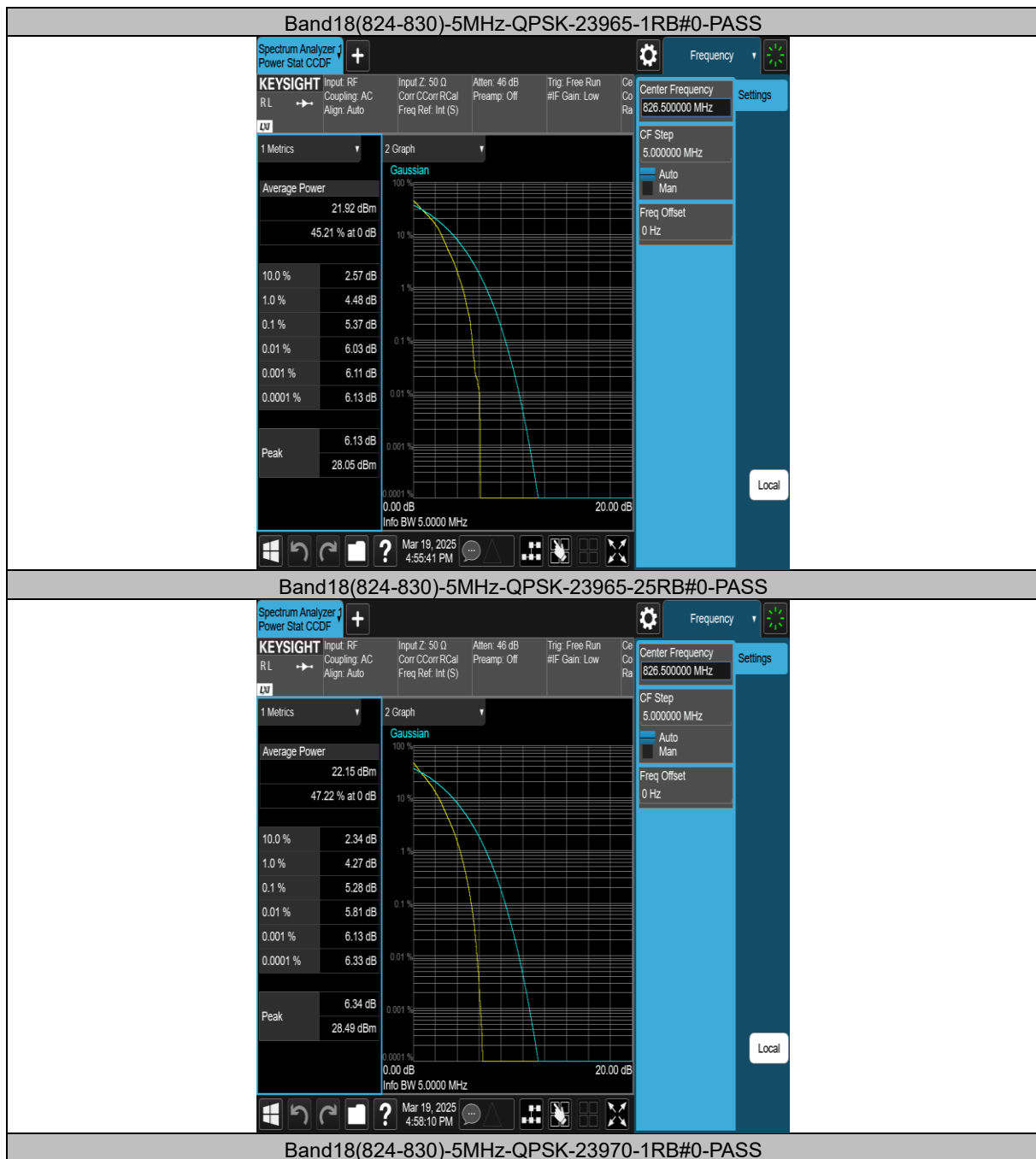
APPENDIX : PEAK-TO-AVERAGE RATIO(CCDF)

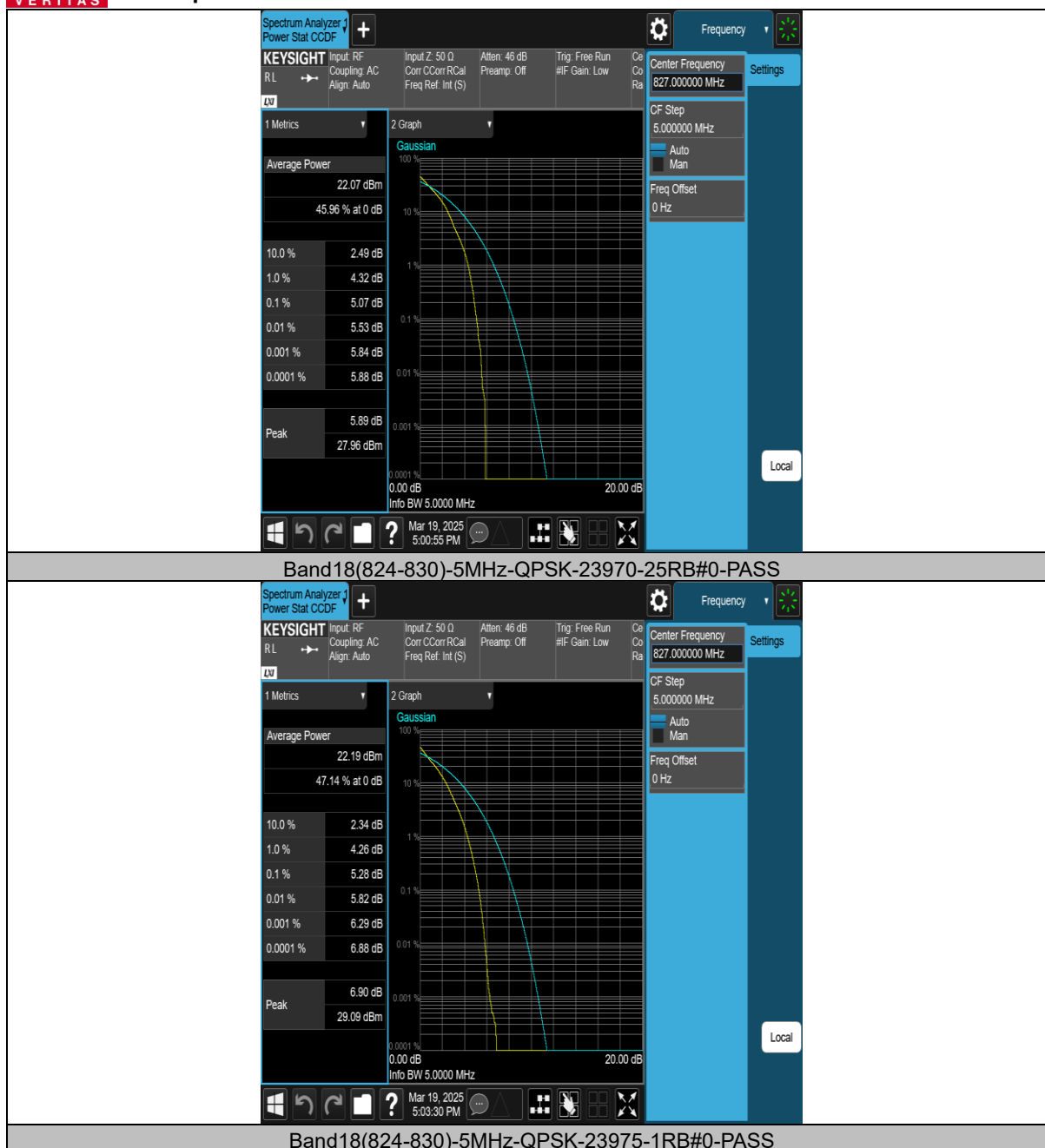
Test Result

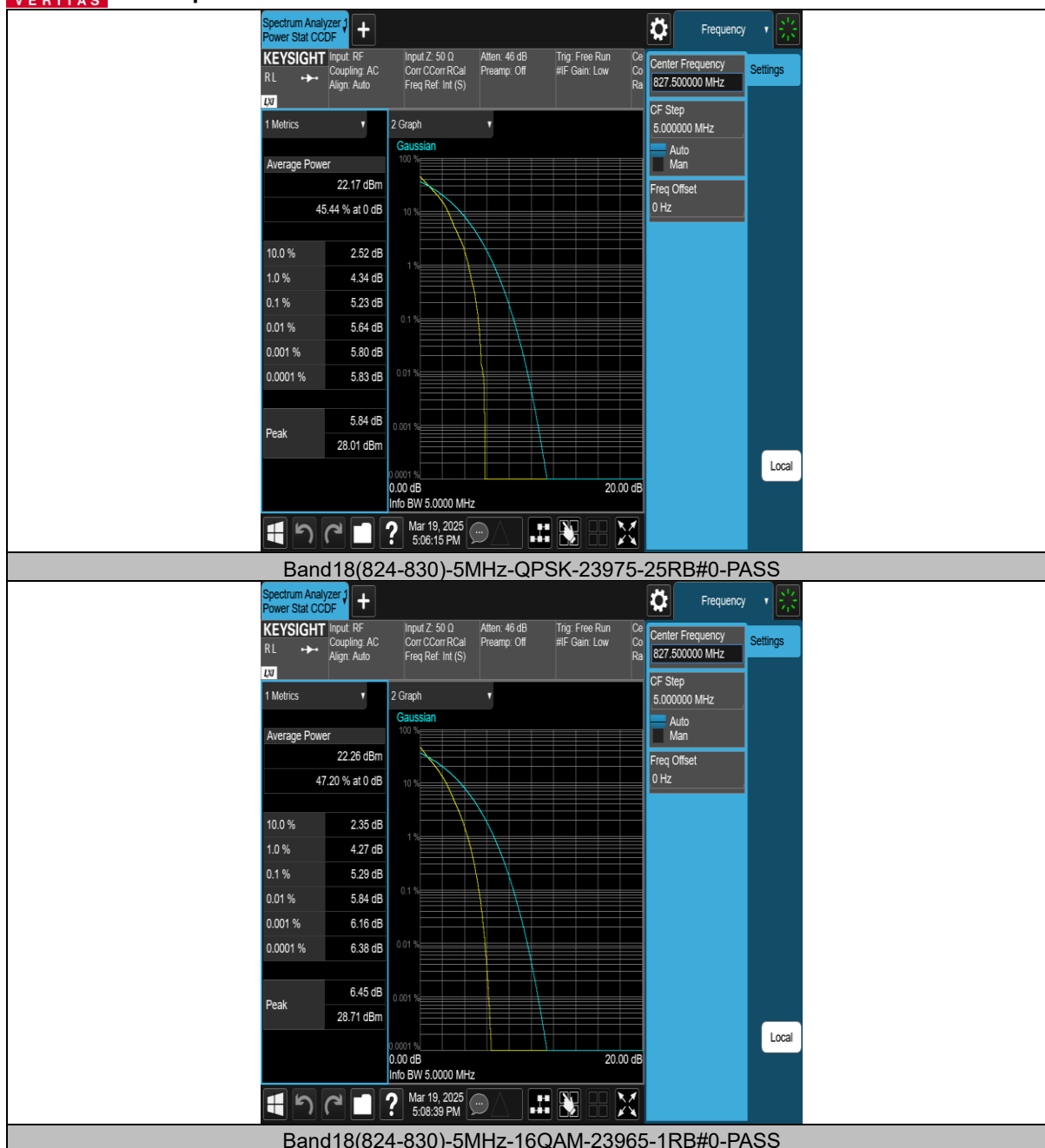
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band18(824-830)	5MHz	QPSK	23965	1RB#0	5.37	13	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	5.28	13	PASS
Band18(824-830)	5MHz	QPSK	23970	1RB#0	5.07	13	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	5.28	13	PASS
Band18(824-830)	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

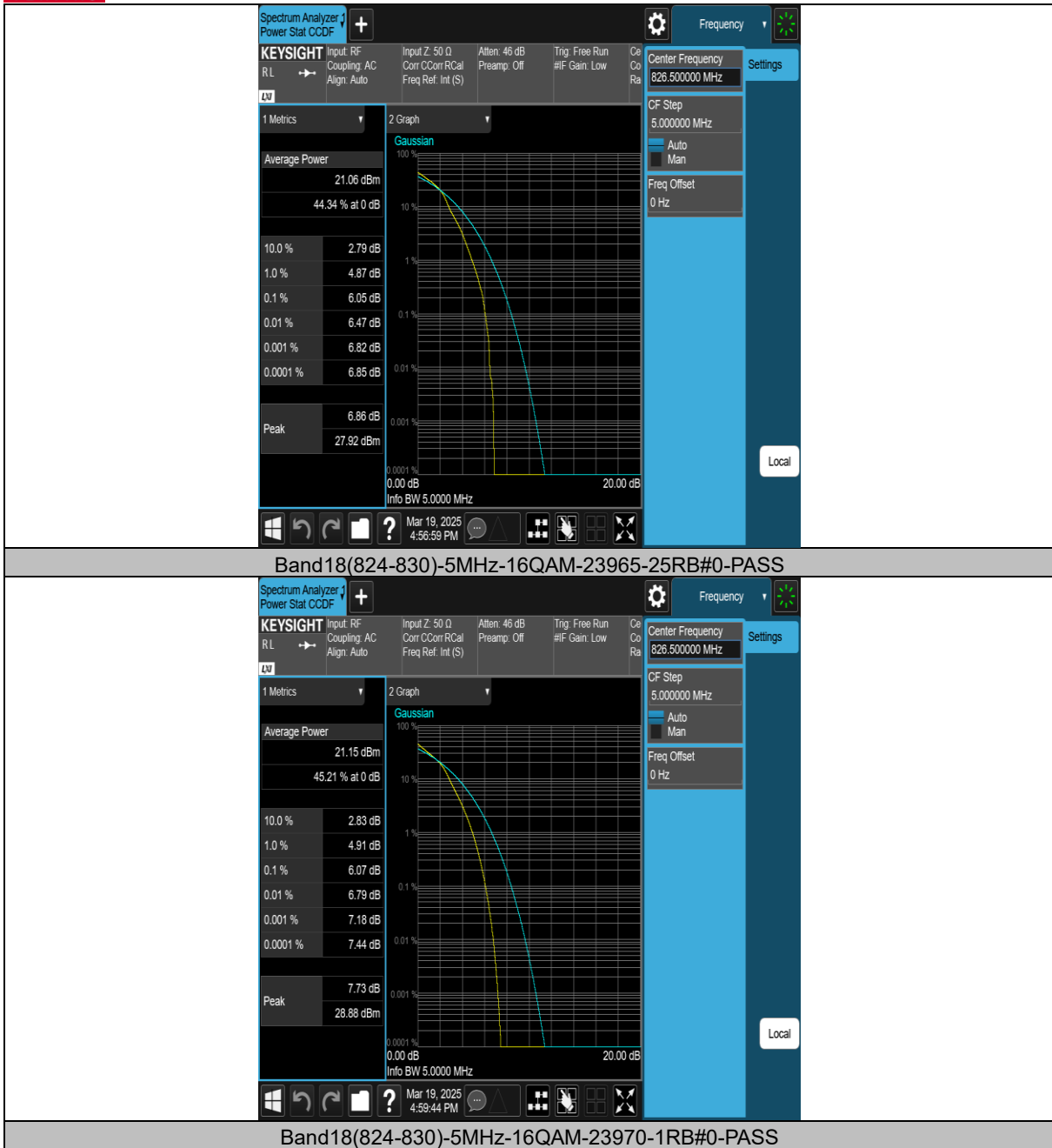


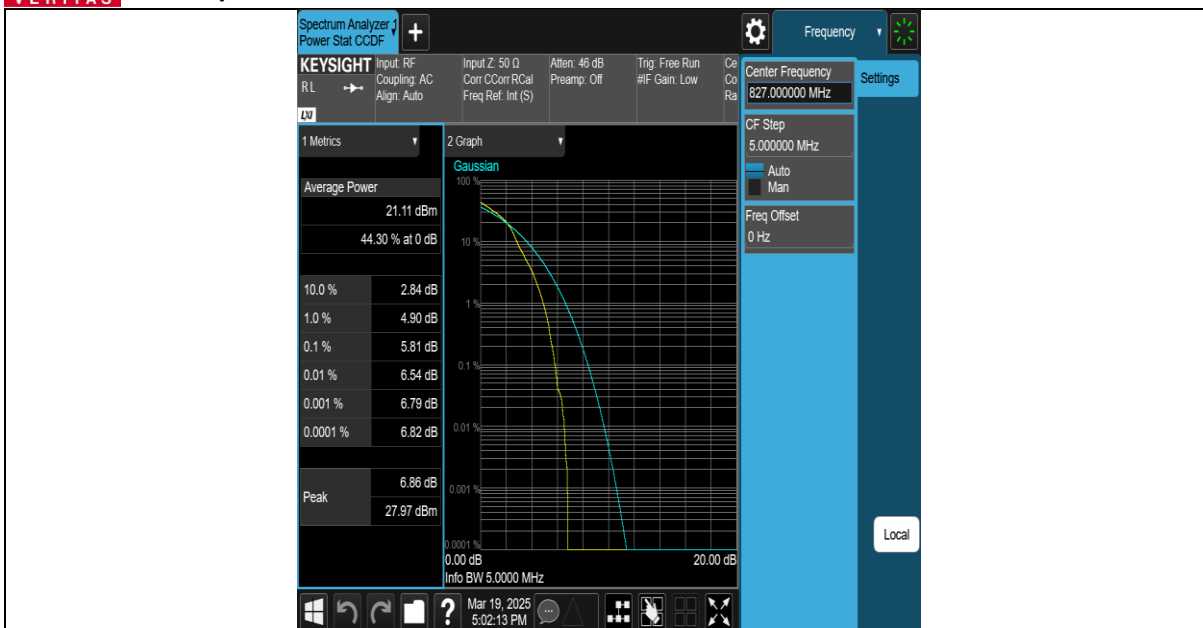
Test Graphs



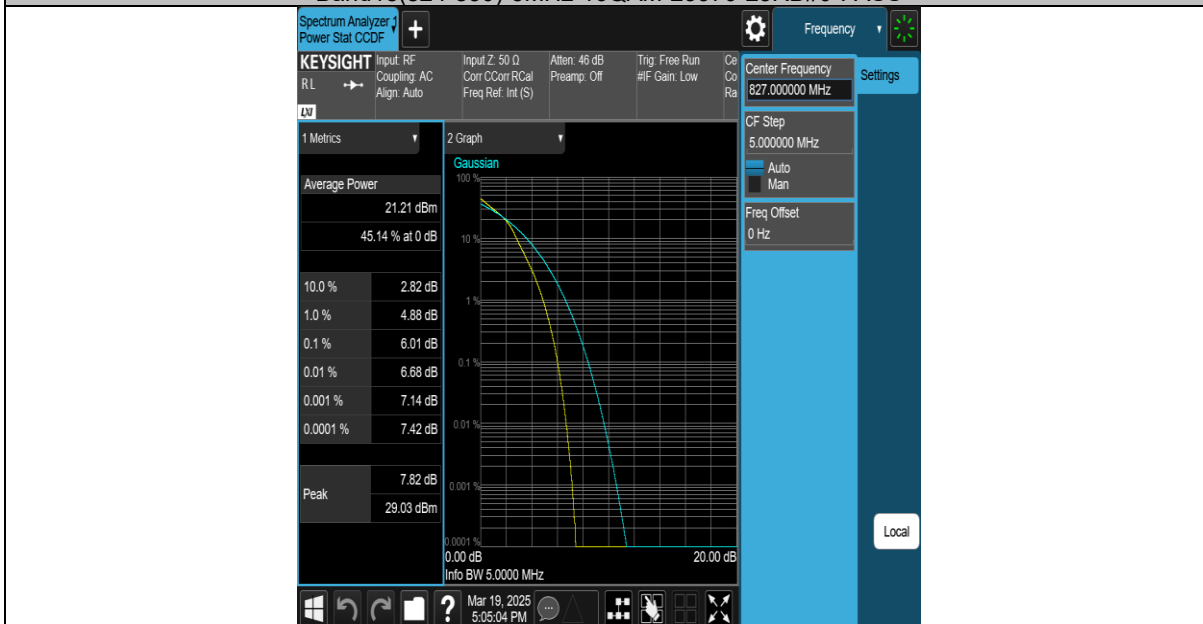








Band18(824-830)-5MHz-16QAM-23970-25RB#0-PASS



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

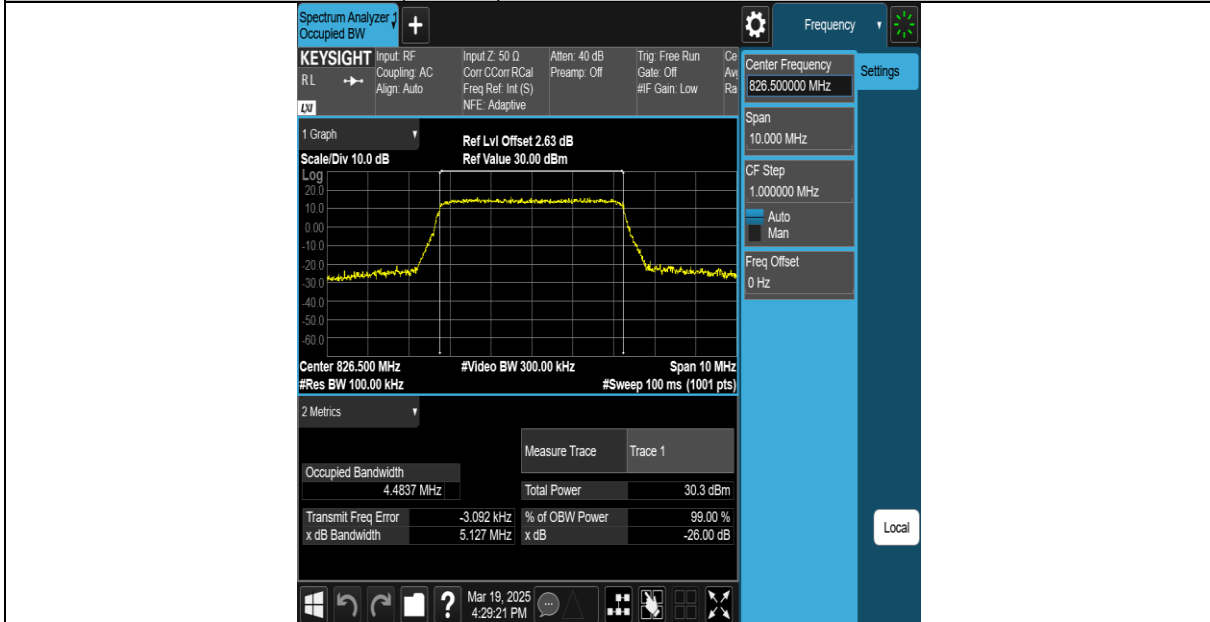


Test Graphs

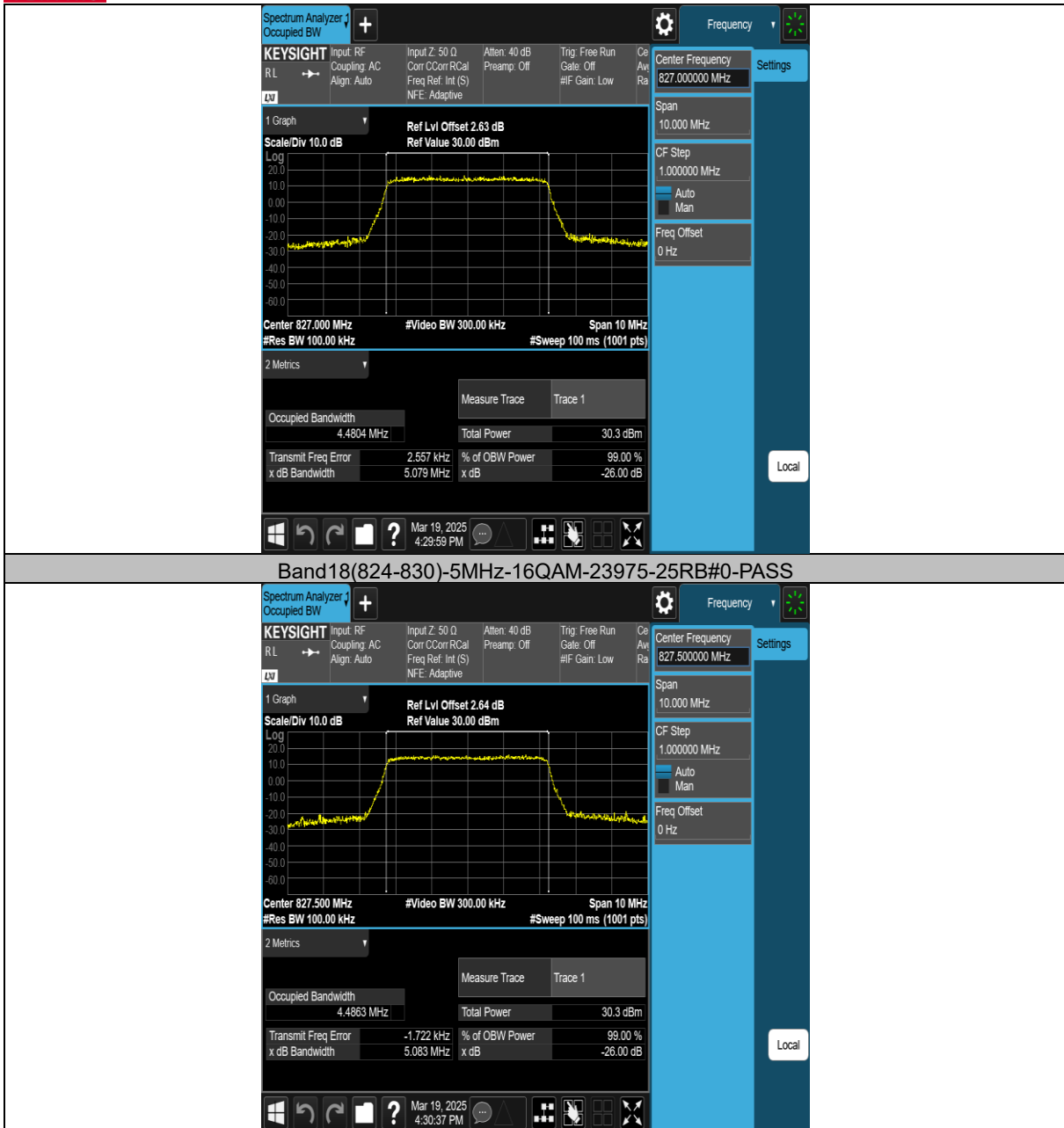




Band18(824-830)-5MHz-16QAM-23965-25RB#0-PASS



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



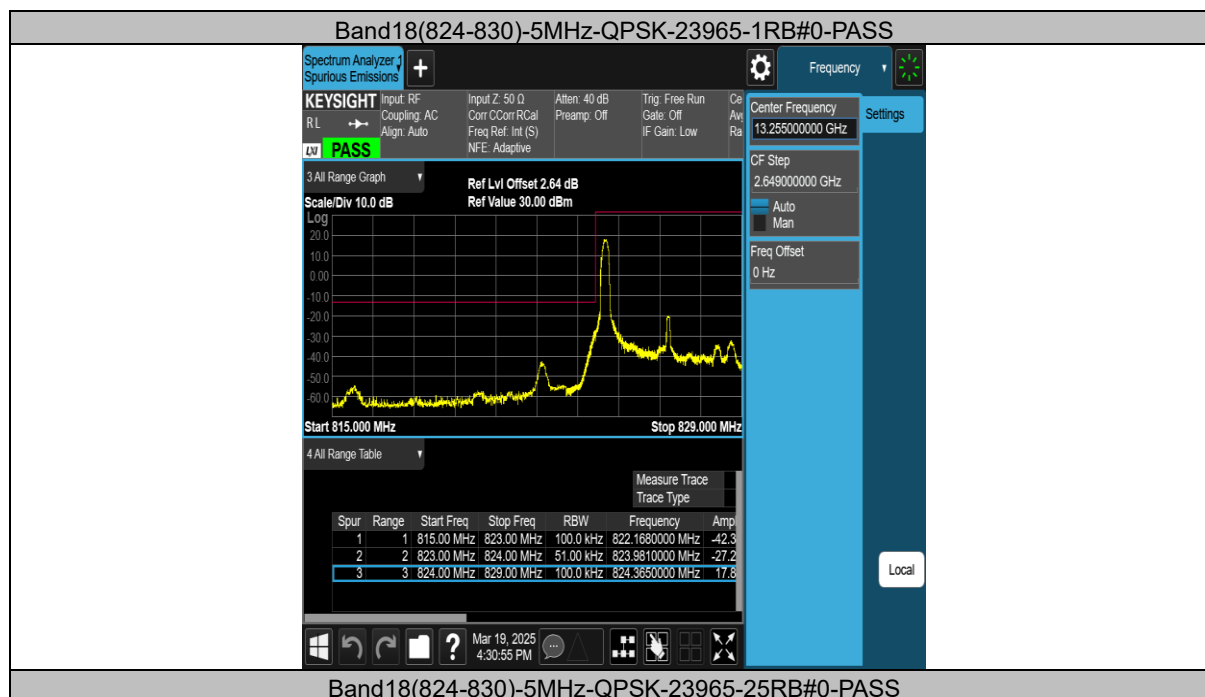


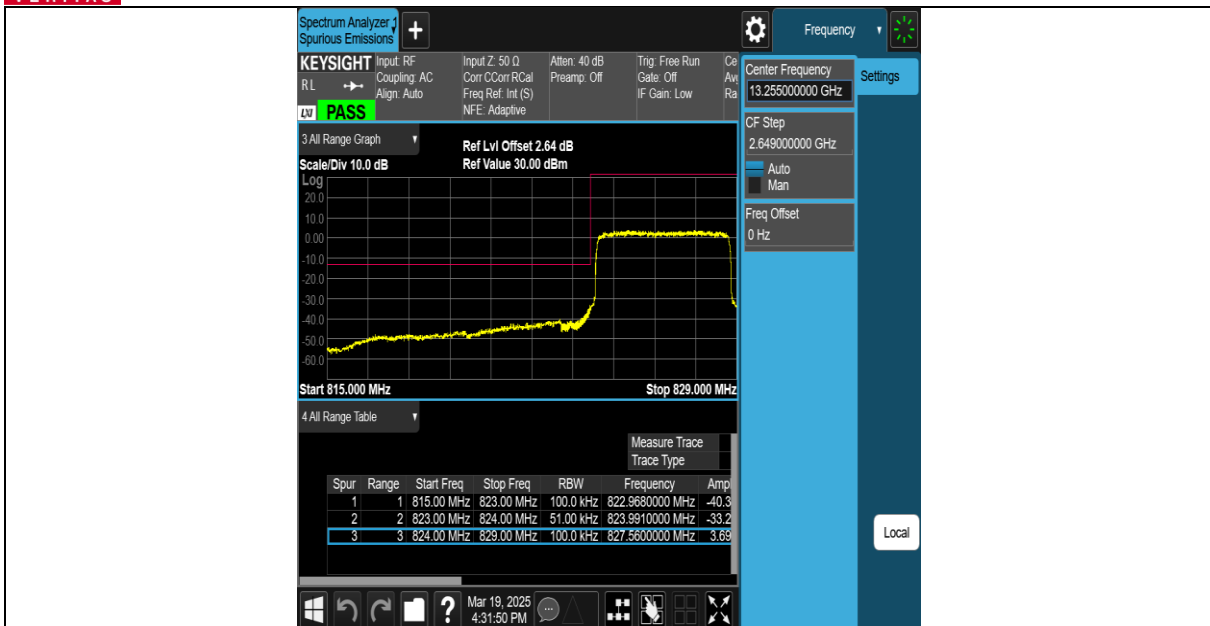
APPENDIX : BAND EDGE

Test Result

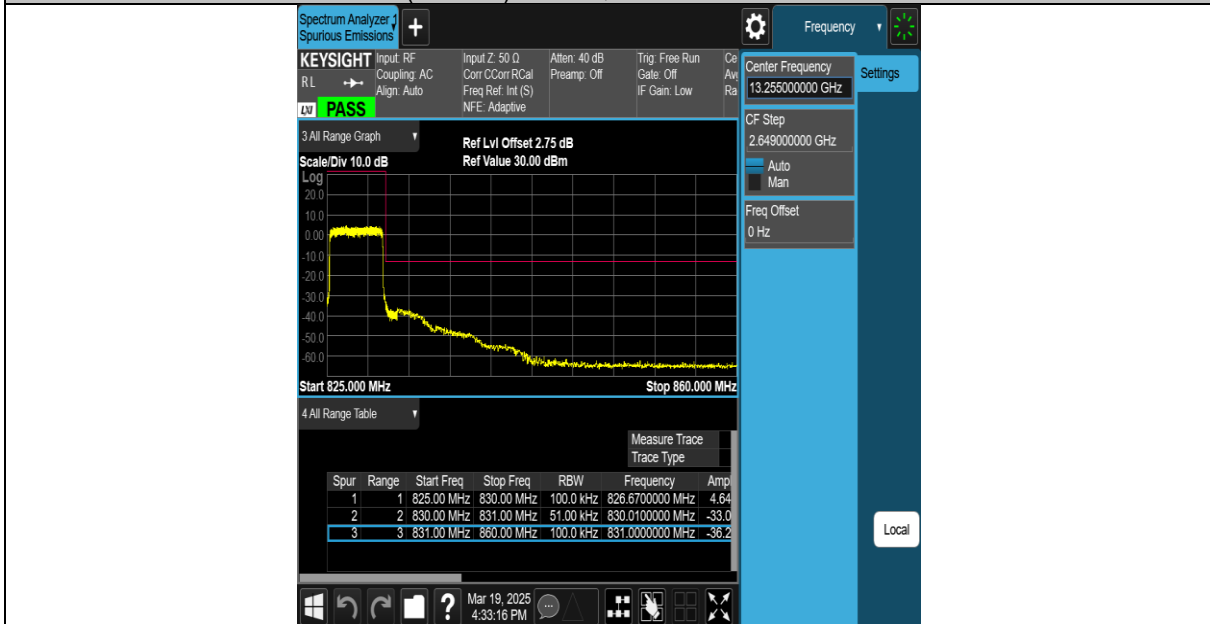
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band18(824-830)	5MHz	QPSK	23965	1RB#0	-27.20	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	-33.24	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	-33.06	PASS
Band18(824-830)	5MHz	QPSK	23975	1RB#24	-25.14	PASS
Band18(824-830)	5MHz	16QAM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

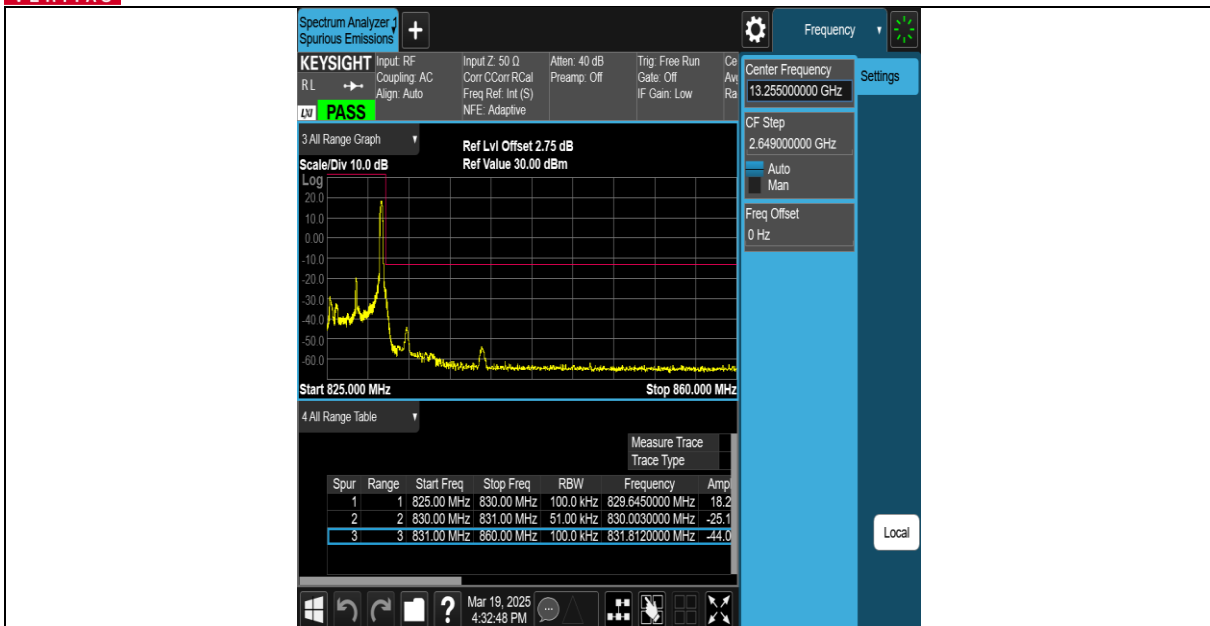




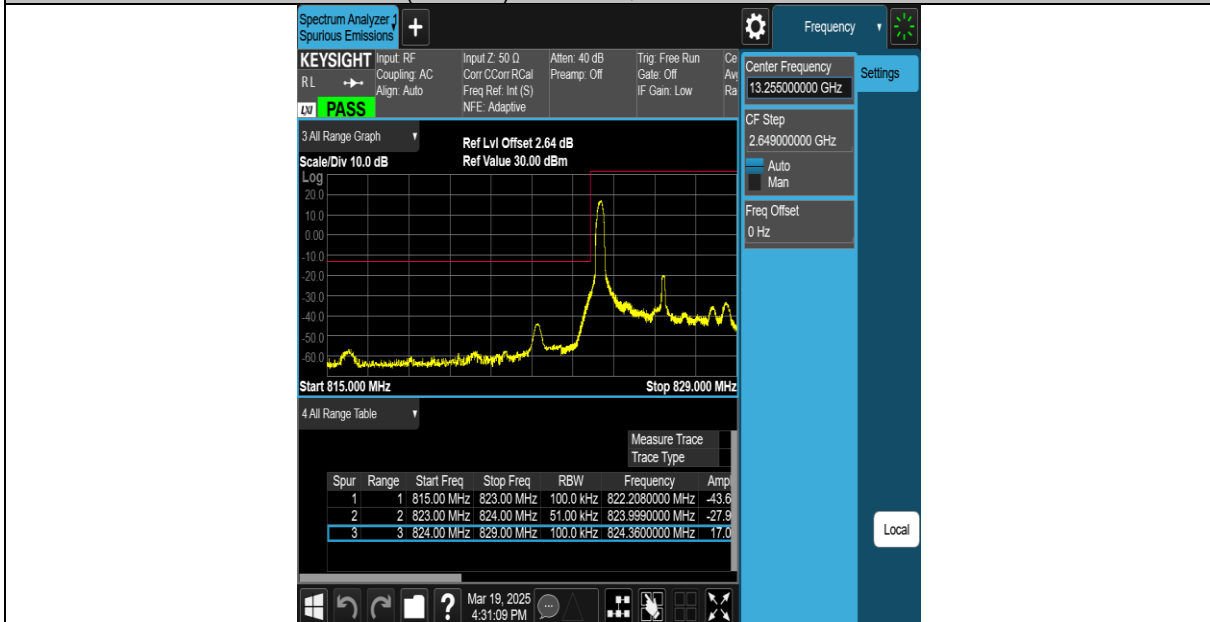
Band18(824-830)-5MHz-QPSK-23975-25RB#0-PASS



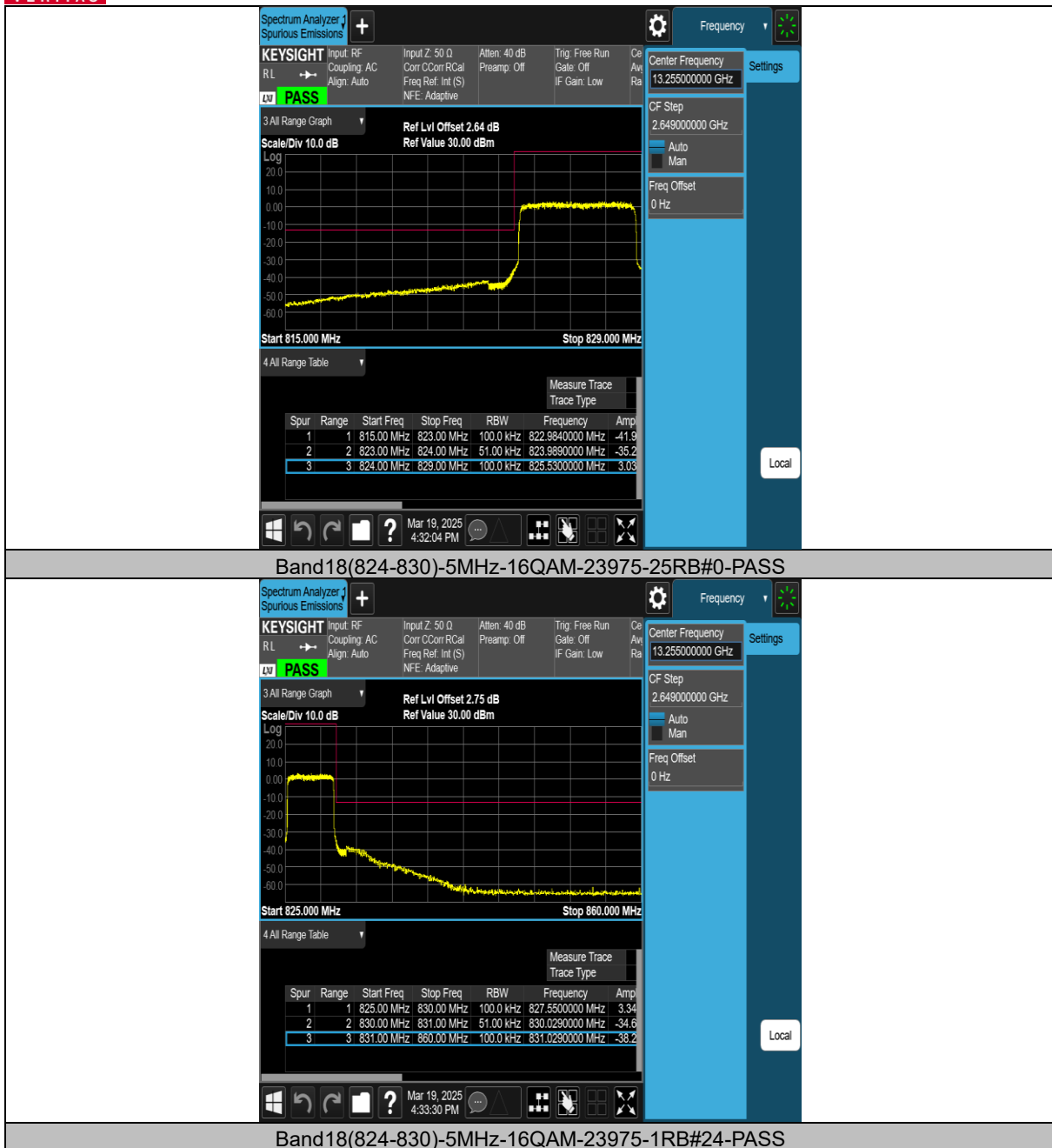
Band18(824-830)-5MHz-QPSK-23975-1RB#24-PASS



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

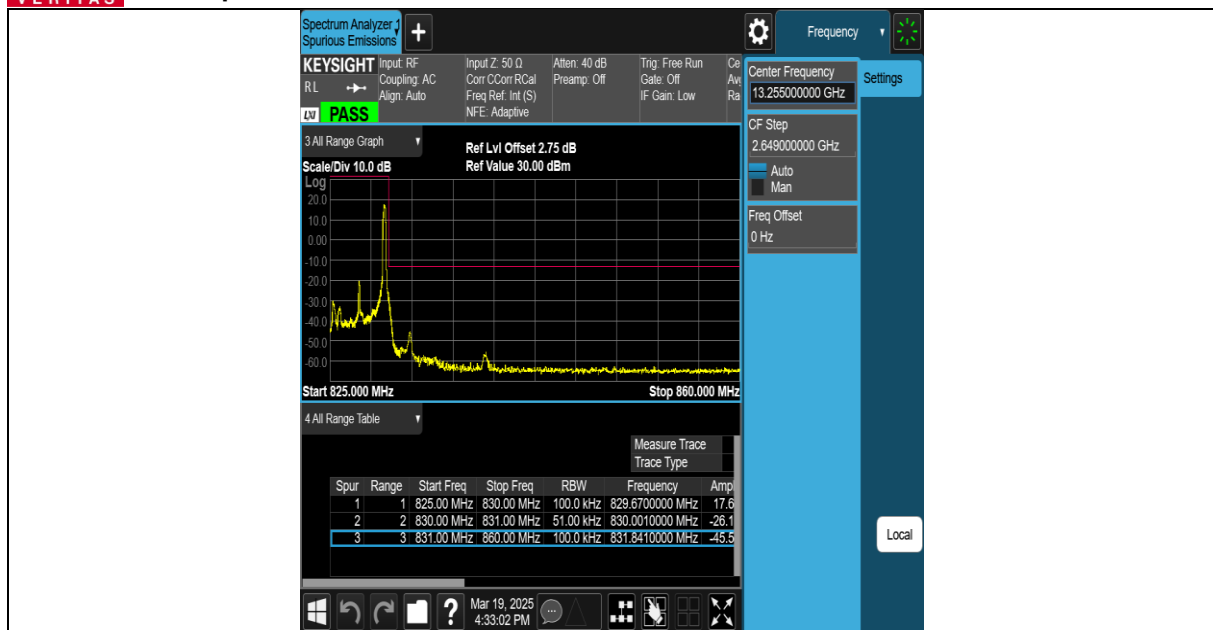


Band18(824-830)-5MHz-16QAM-23965-25RB#0-PASS





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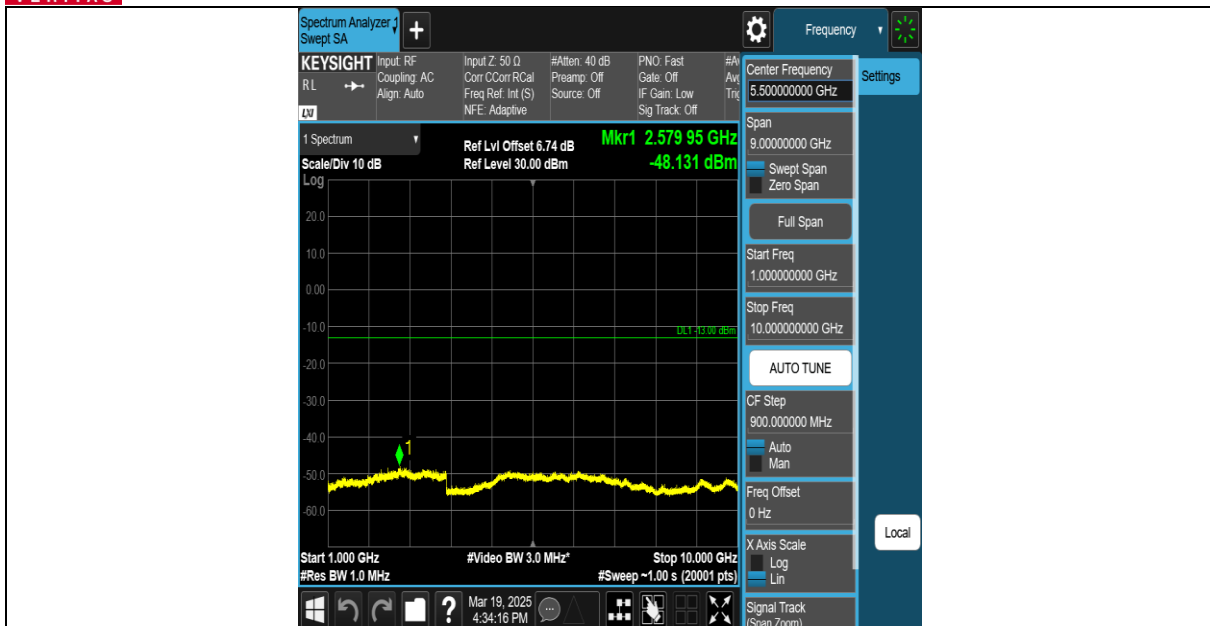




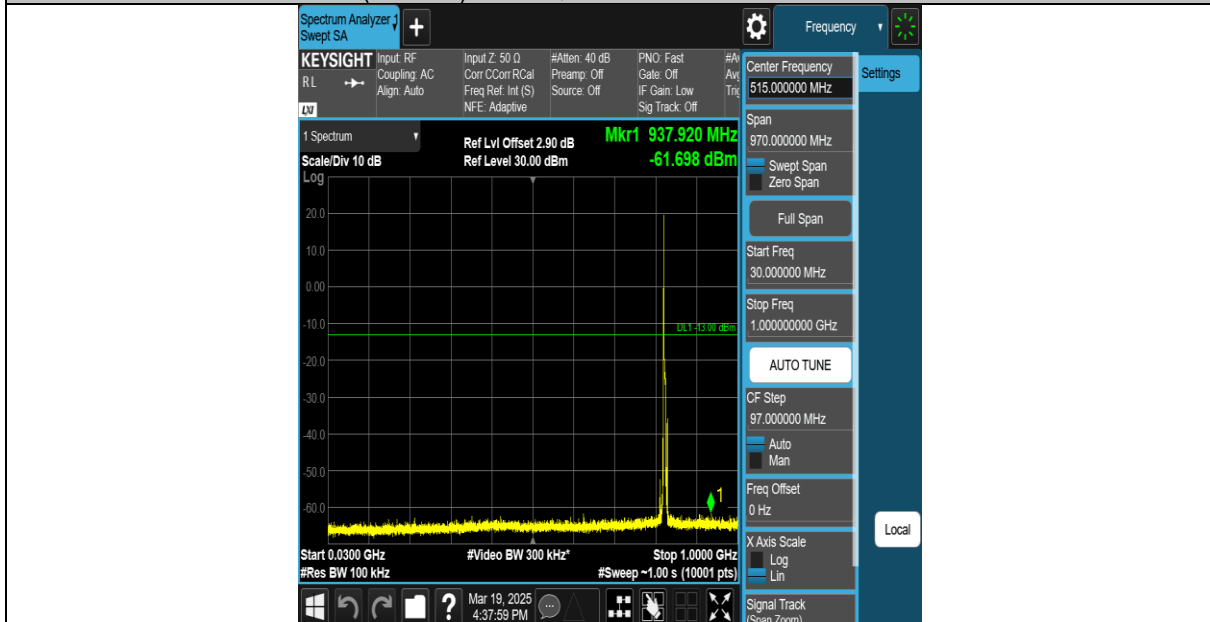
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band18(824-830)	5MHz	QPSK	23965	1RB#0	30~1000	-61.51	PASS
Band18(824-830)	5MHz	QPSK	23965	1RB#0	1000~10000	-48.13	PASS
Band18(824-830)	5MHz	QPSK	23970	1RB#0	30~1000	-61.70	PASS
Band18(824-830)	5MHz	QPSK	23970	1RB#0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

The screenshot shows a Keysight Spectrum Analyzer interface. The main display area shows a spectrum plot with a single prominent peak at 808.619 MHz, labeled 'Mkr1'. The peak's level is -61.507 dBm. The plot has a scale of 10 dB and a video bandwidth of 300 kHz. The frequency range is from 0.0300 GHz to 1.0000 GHz. The interface includes various control panels on the right for settings like Center Frequency, Span, and Scale, and a bottom panel for file operations and system status.

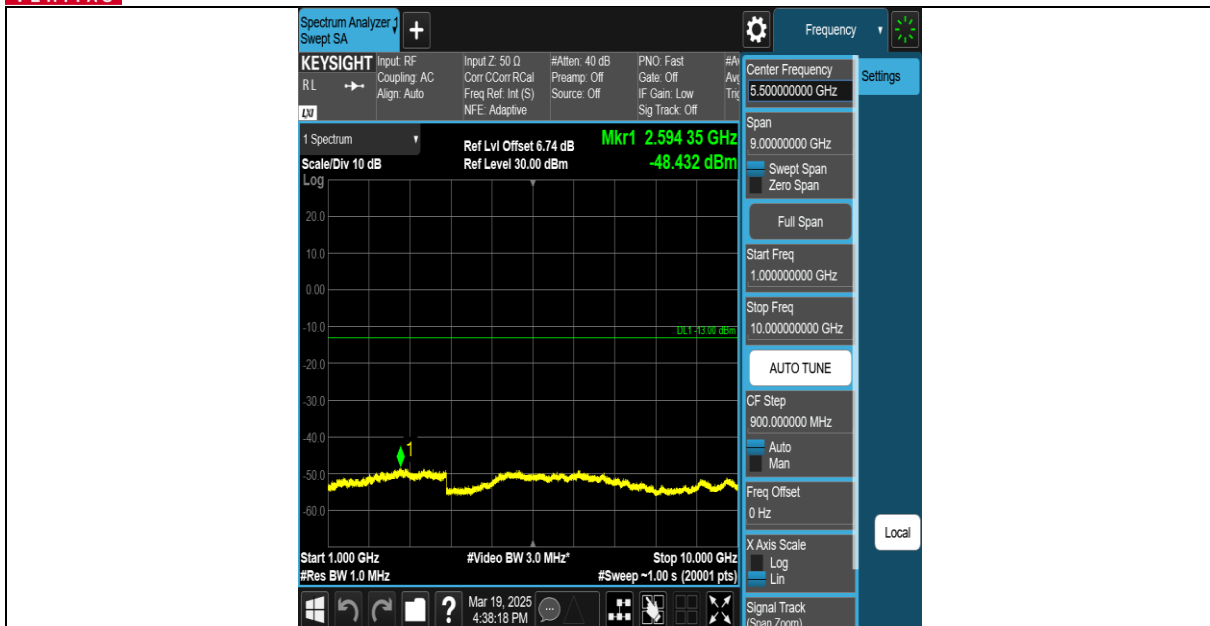
Band18(824-830)-5MHz-QPSK-23965-1RB#0-30~1000-PASS



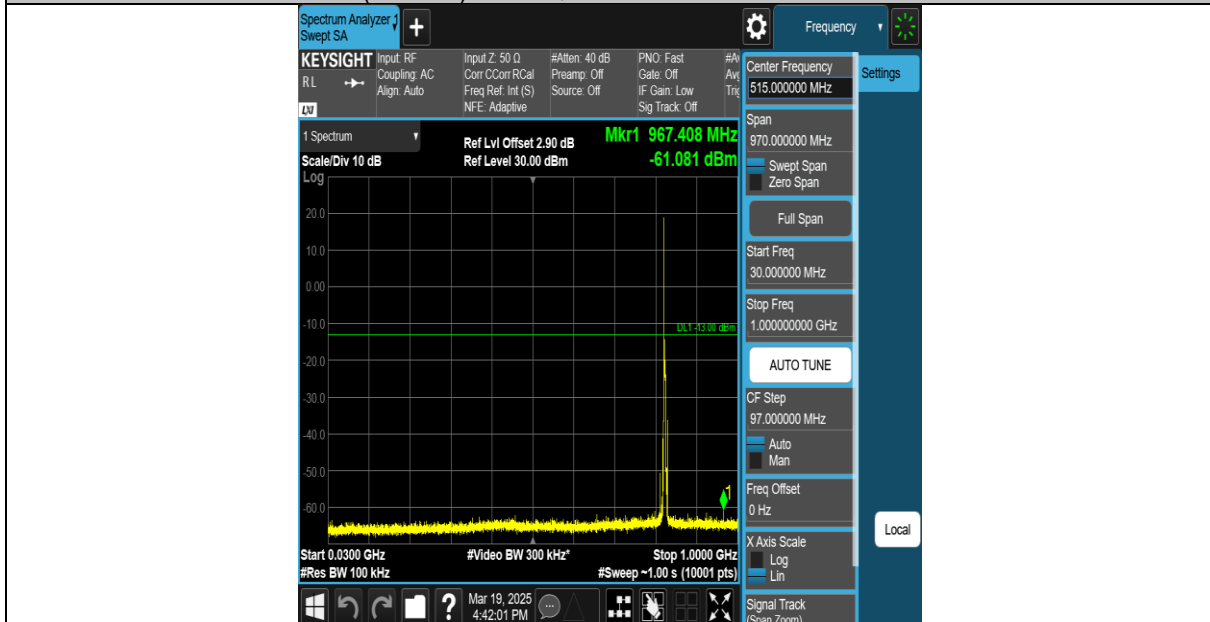
Band18(824-830)-5MHz-QPSK-23970-1RB#0-30~1000-PASS



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



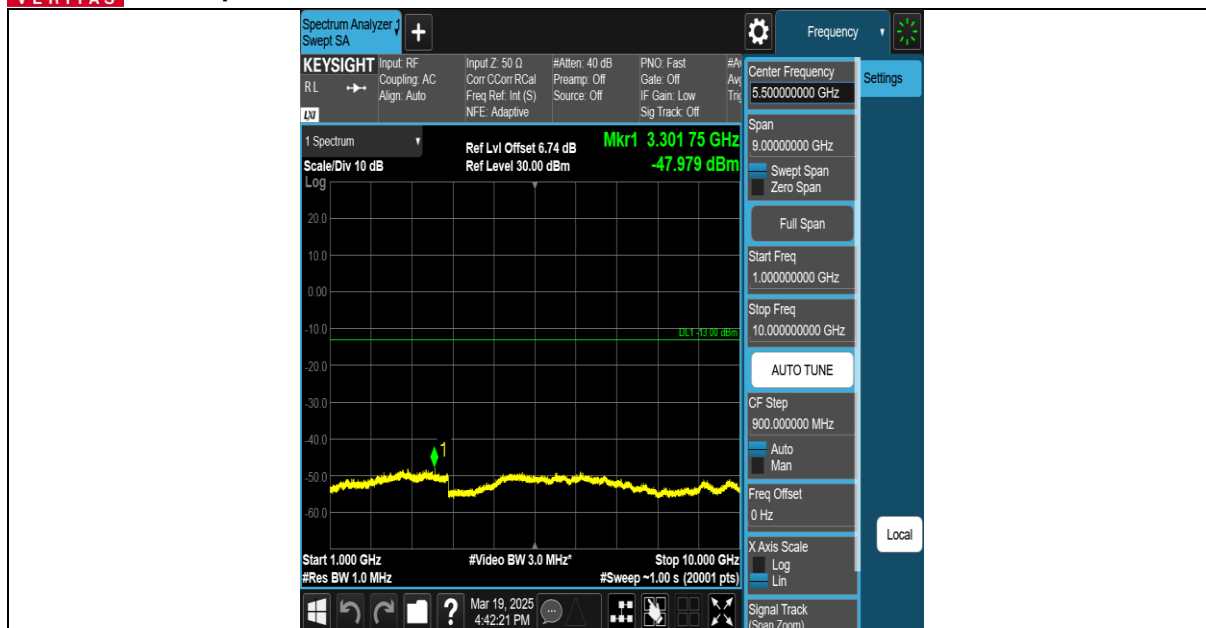
Band18(824-830)-5MHz-QPSK-23975-1RB#0-30~1000-PASS



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



BUREAU VERITAS Test Report No.: PSU-QSZ2503050113RF01



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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



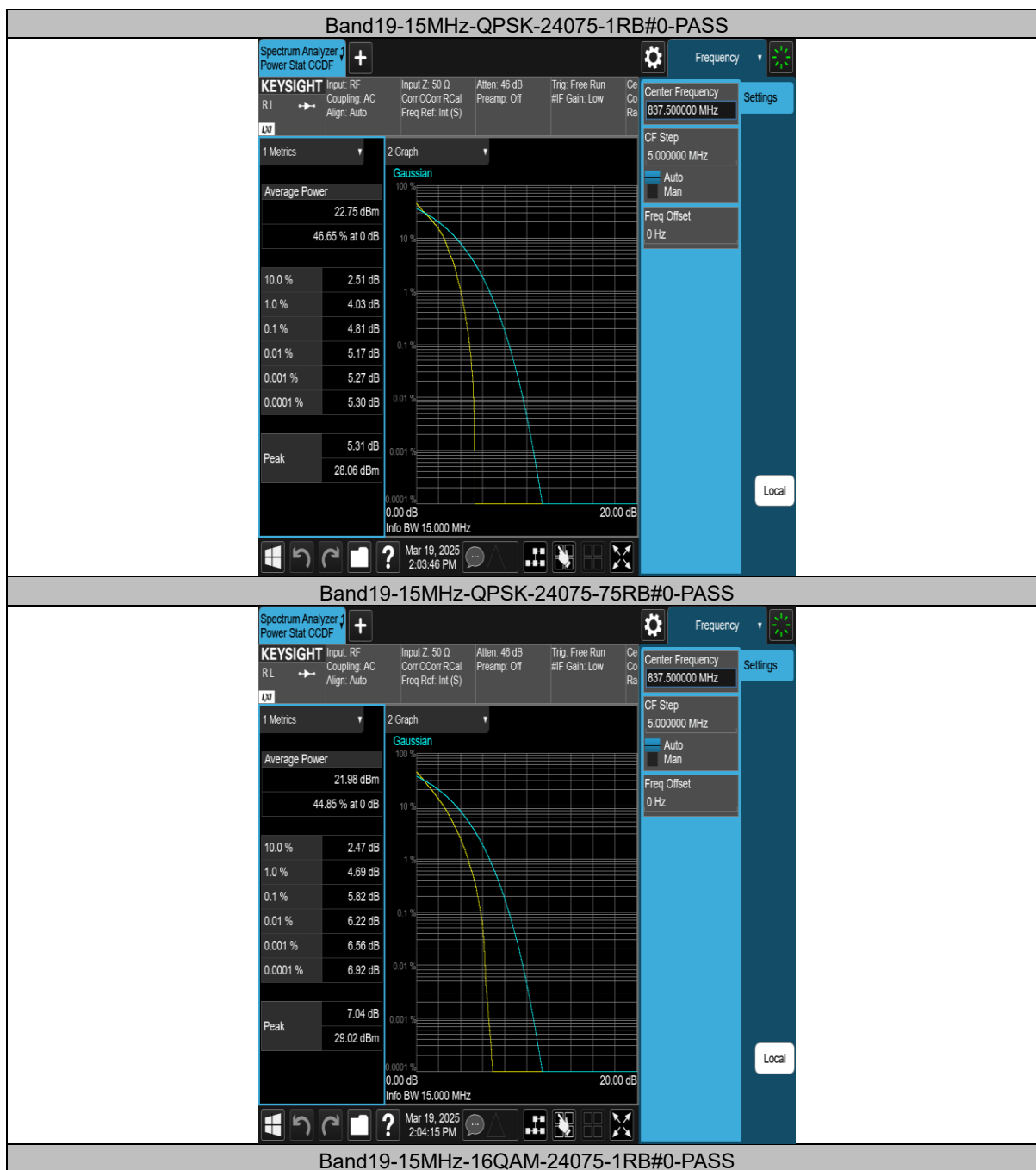
APPENDIX : PEAK-TO-AVERAGE RATIO(CCDF)

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







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

