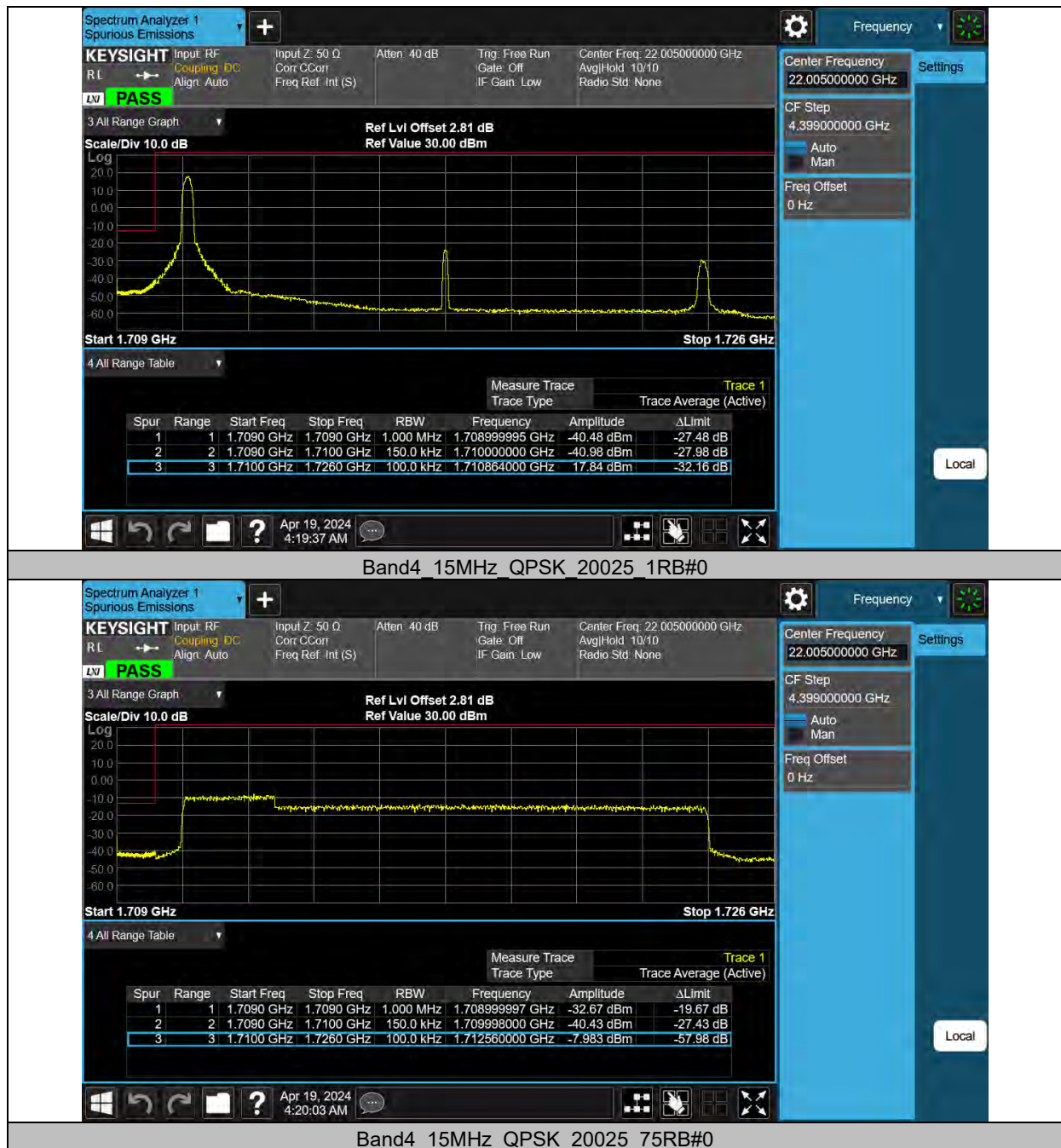




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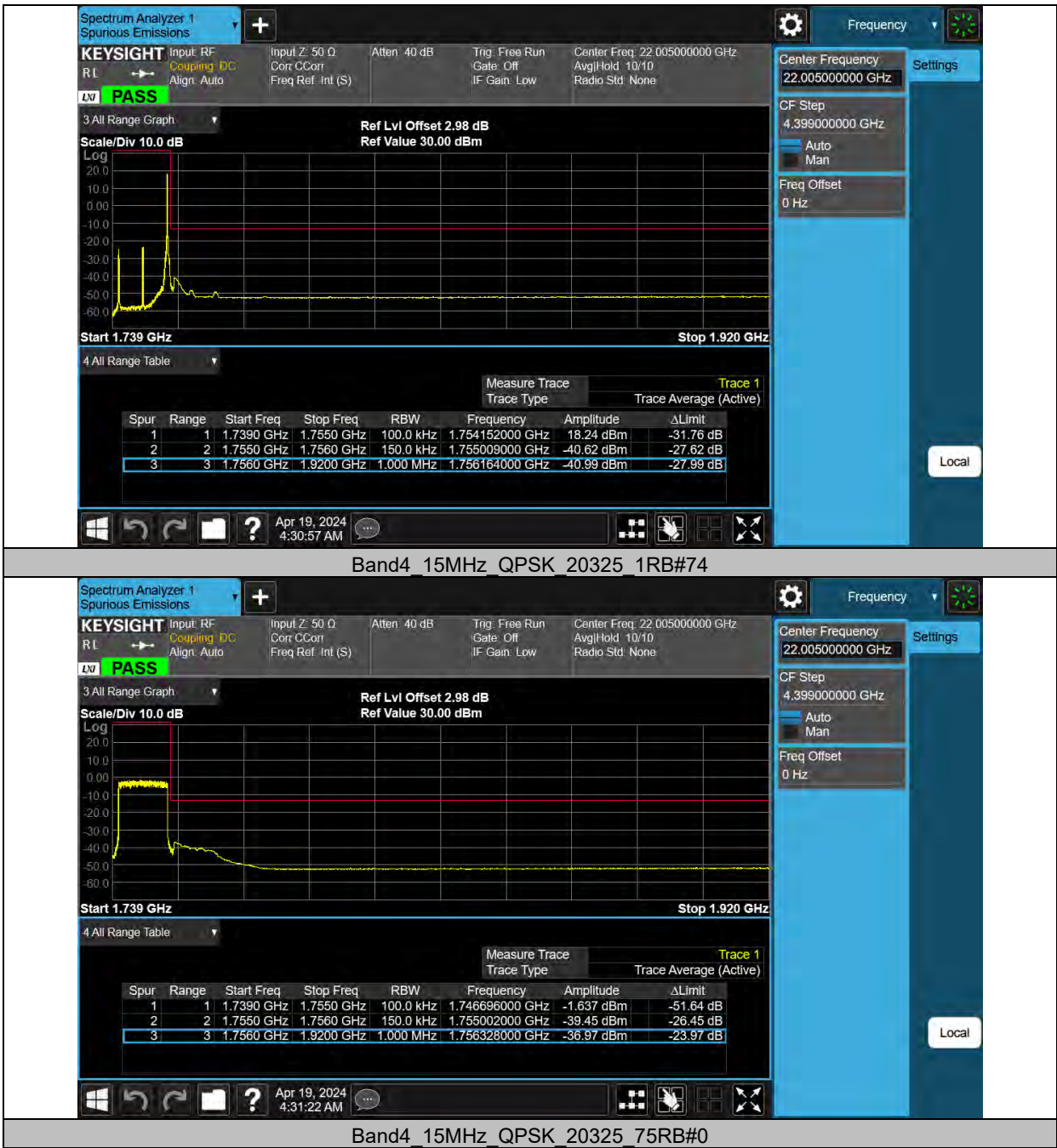
Test Report No.: PSU-QSU2403110115RF03





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Test Report No.: PSU-QSU2403110115RF03





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Test Report No.: PSU-QSU2403110115RF03





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Test Report No.: PSU-QSU2403110115RF03





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Test Report No.: PSU-QSU2403110115RF03





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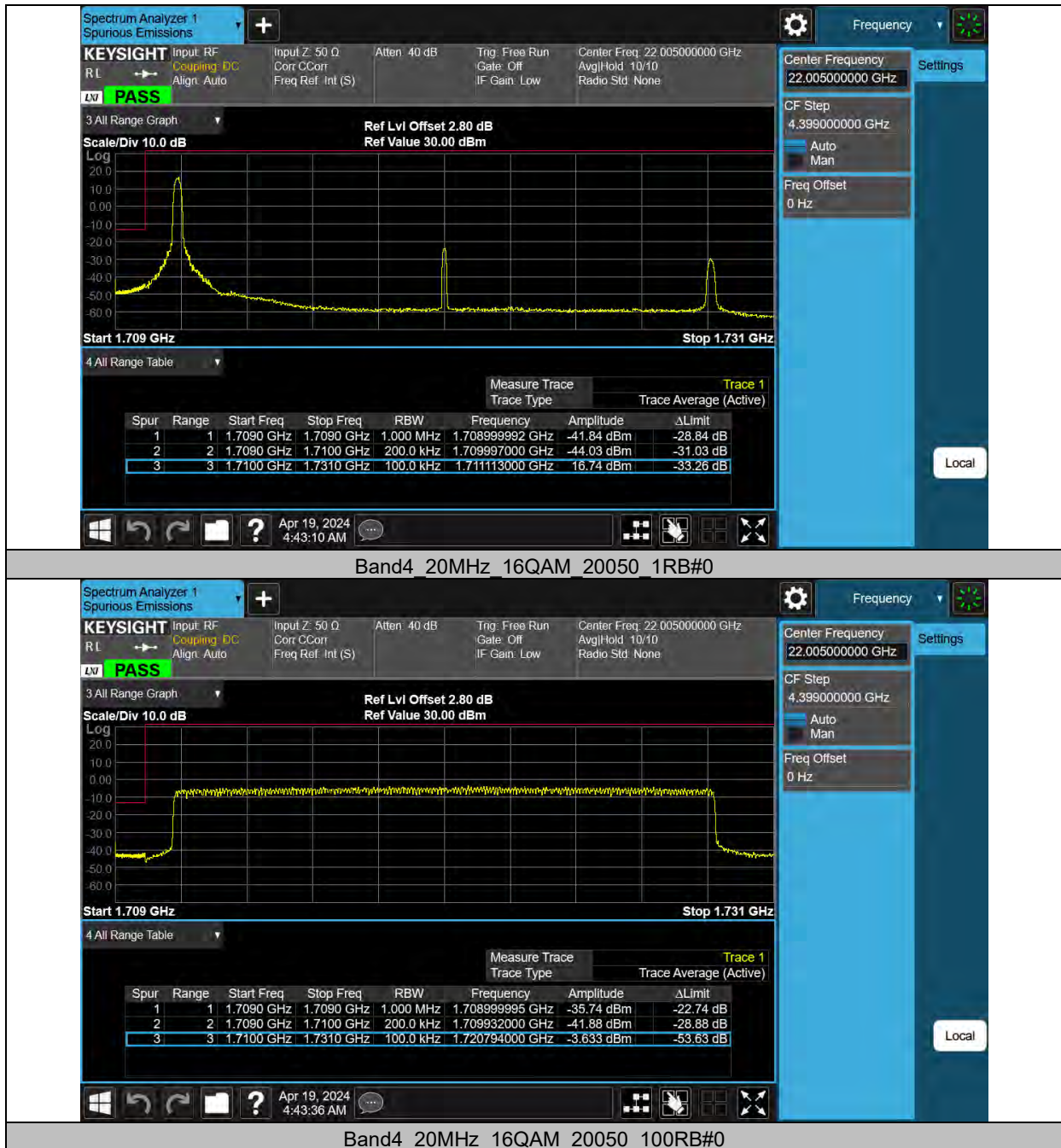
Test Report No.: PSU-QSU2403110115RF03





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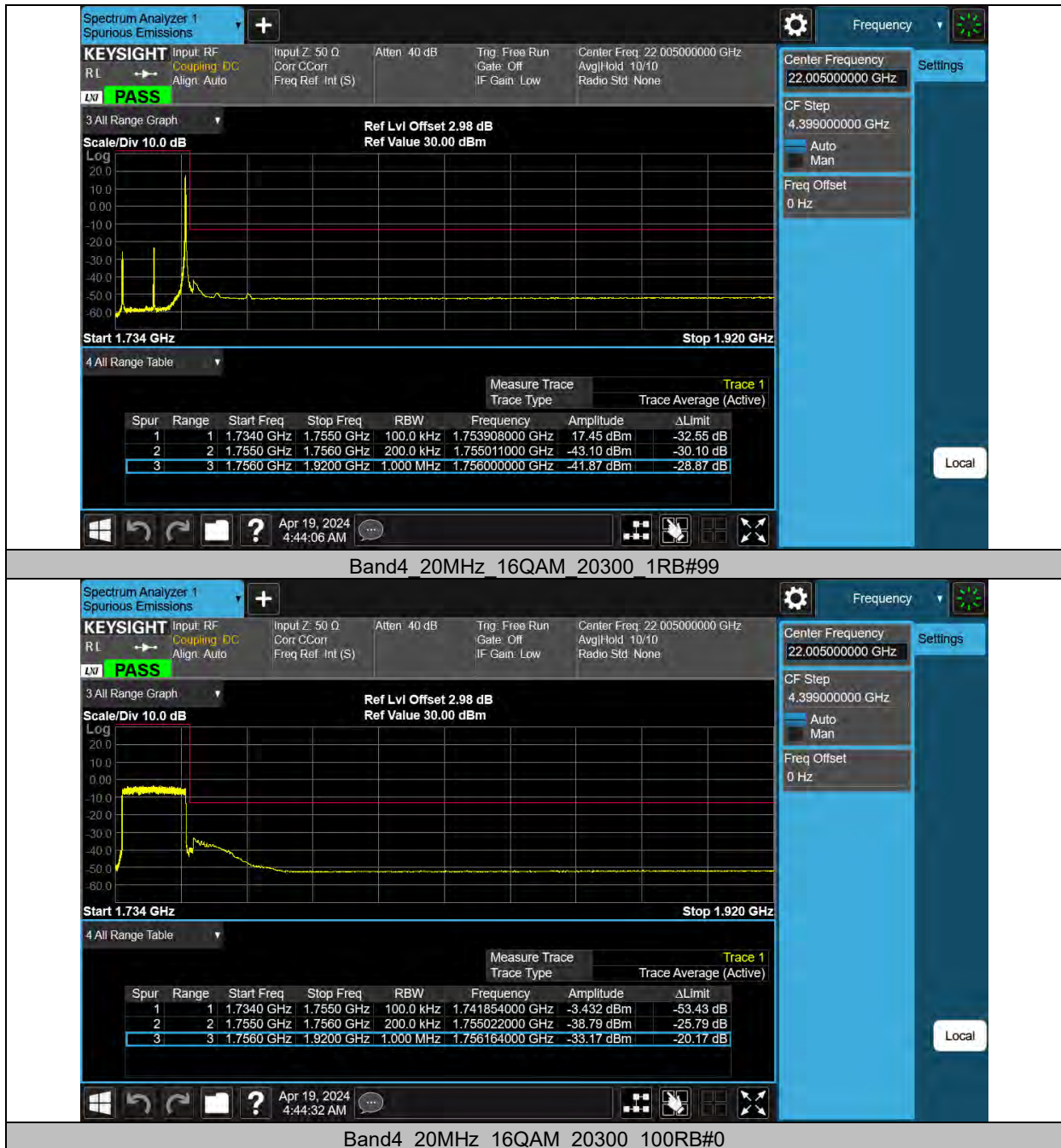
Test Report No.: PSU-QSU2403110115RF03





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Test Report No.: PSU-QSU2403110115RF03



CONDUCTED SPURIOUS EMISSION

Test Result

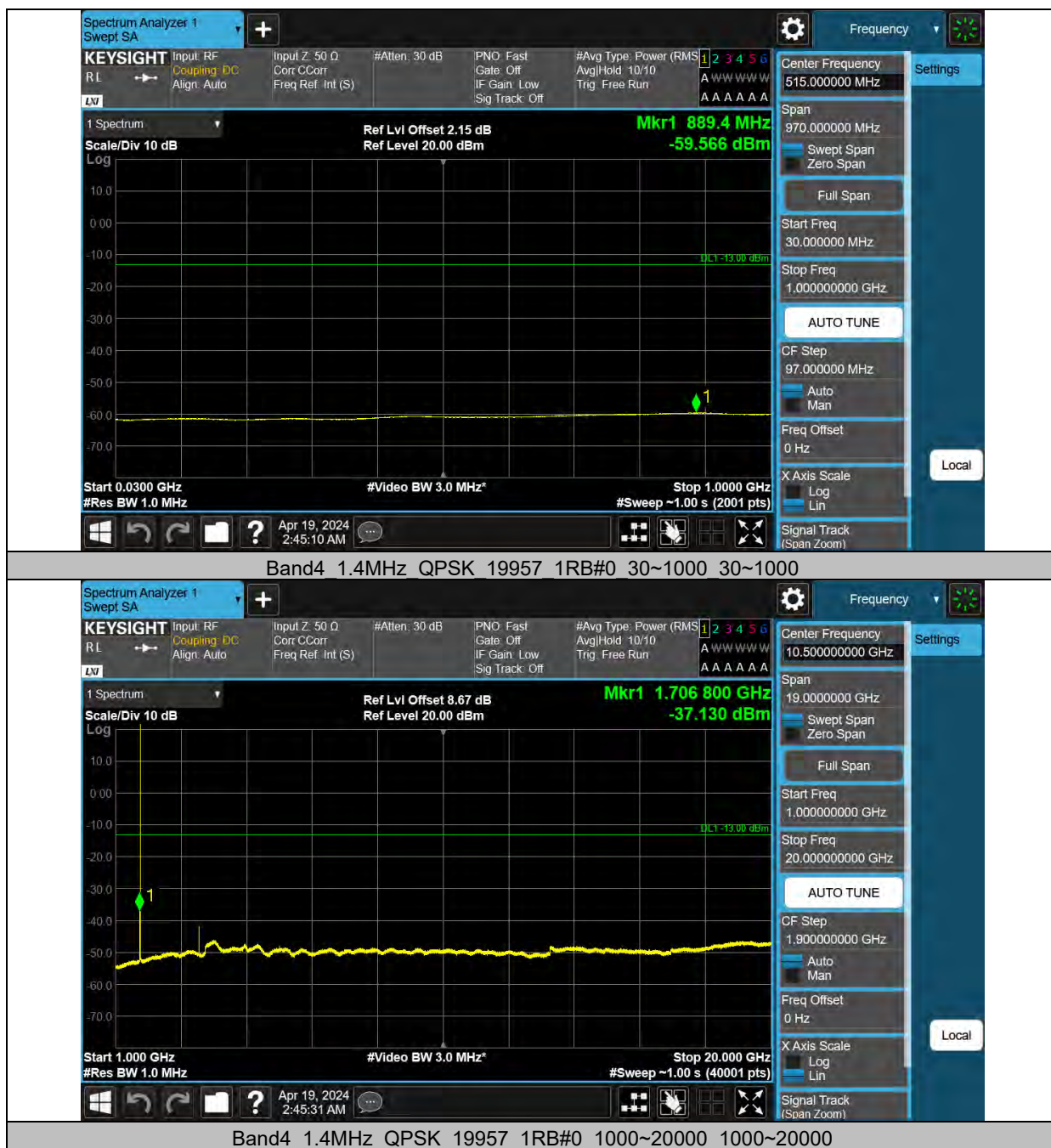
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-59.57	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	1000~20000	-37.13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-59.58	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~20000	-36.06	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-59.63	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~20000	-36.94	PASS
Band4	3MHz	QPSK	19965	1RB#0	30~1000	-59.63	PASS
Band4	3MHz	QPSK	19965	1RB#0	1000~20000	-42.50	PASS
Band4	3MHz	QPSK	20175	1RB#0	30~1000	-59.60	PASS
Band4	3MHz	QPSK	20175	1RB#0	1000~20000	-43.73	PASS
Band4	3MHz	QPSK	20385	1RB#0	30~1000	-59.60	PASS
Band4	3MHz	QPSK	20385	1RB#0	1000~20000	-42.75	PASS
Band4	5MHz	QPSK	19975	1RB#0	30~1000	-59.59	PASS
Band4	5MHz	QPSK	19975	1RB#0	1000~20000	-42.11	PASS
Band4	5MHz	QPSK	19975	1RB#24	30~1000	-59.55	PASS
Band4	5MHz	QPSK	19975	1RB#24	1000~20000	-45.27	PASS
Band4	5MHz	QPSK	19975	25RB#0	30~1000	-59.62	PASS
Band4	5MHz	QPSK	19975	25RB#0	1000~20000	-39.82	PASS
Band4	5MHz	QPSK	20175	1RB#0	30~1000	-59.62	PASS
Band4	5MHz	QPSK	20175	1RB#0	1000~20000	-44.44	PASS
Band4	5MHz	QPSK	20175	1RB#24	30~1000	-59.58	PASS
Band4	5MHz	QPSK	20175	1RB#24	1000~20000	-42.58	PASS
Band4	5MHz	QPSK	20175	25RB#0	30~1000	-59.62	PASS
Band4	5MHz	QPSK	20175	25RB#0	1000~20000	-39.27	PASS
Band4	5MHz	QPSK	20375	1RB#0	30~1000	-59.60	PASS
Band4	5MHz	QPSK	20375	1RB#0	1000~20000	-42.39	PASS
Band4	5MHz	QPSK	20375	1RB#24	30~1000	-59.57	PASS
Band4	5MHz	QPSK	20375	1RB#24	1000~20000	-43.53	PASS
Band4	5MHz	QPSK	20375	25RB#0	30~1000	-59.57	PASS
Band4	5MHz	QPSK	20375	25RB#0	1000~20000	-39.26	PASS
Band4	10MHz	QPSK	20000	1RB#0	30~1000	-59.58	PASS
Band4	10MHz	QPSK	20000	1RB#0	1000~20000	-42.98	PASS
Band4	10MHz	QPSK	20175	1RB#0	30~1000	-59.61	PASS
Band4	10MHz	QPSK	20175	1RB#0	1000~20000	-45.81	PASS
Band4	10MHz	QPSK	20350	1RB#0	30~1000	-59.55	PASS
Band4	10MHz	QPSK	20350	1RB#0	1000~20000	-41.47	PASS
Band4	15MHz	QPSK	20025	1RB#0	30~1000	-59.61	PASS
Band4	15MHz	QPSK	20025	1RB#0	1000~20000	-41.73	PASS
Band4	15MHz	QPSK	20175	1RB#0	30~1000	-59.60	PASS
Band4	15MHz	QPSK	20175	1RB#0	1000~20000	-46.12	PASS
Band4	15MHz	QPSK	20325	1RB#0	30~1000	-59.65	PASS
Band4	15MHz	QPSK	20325	1RB#0	1000~20000	-40.72	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-59.61	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~20000	-42.49	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-59.59	PASS

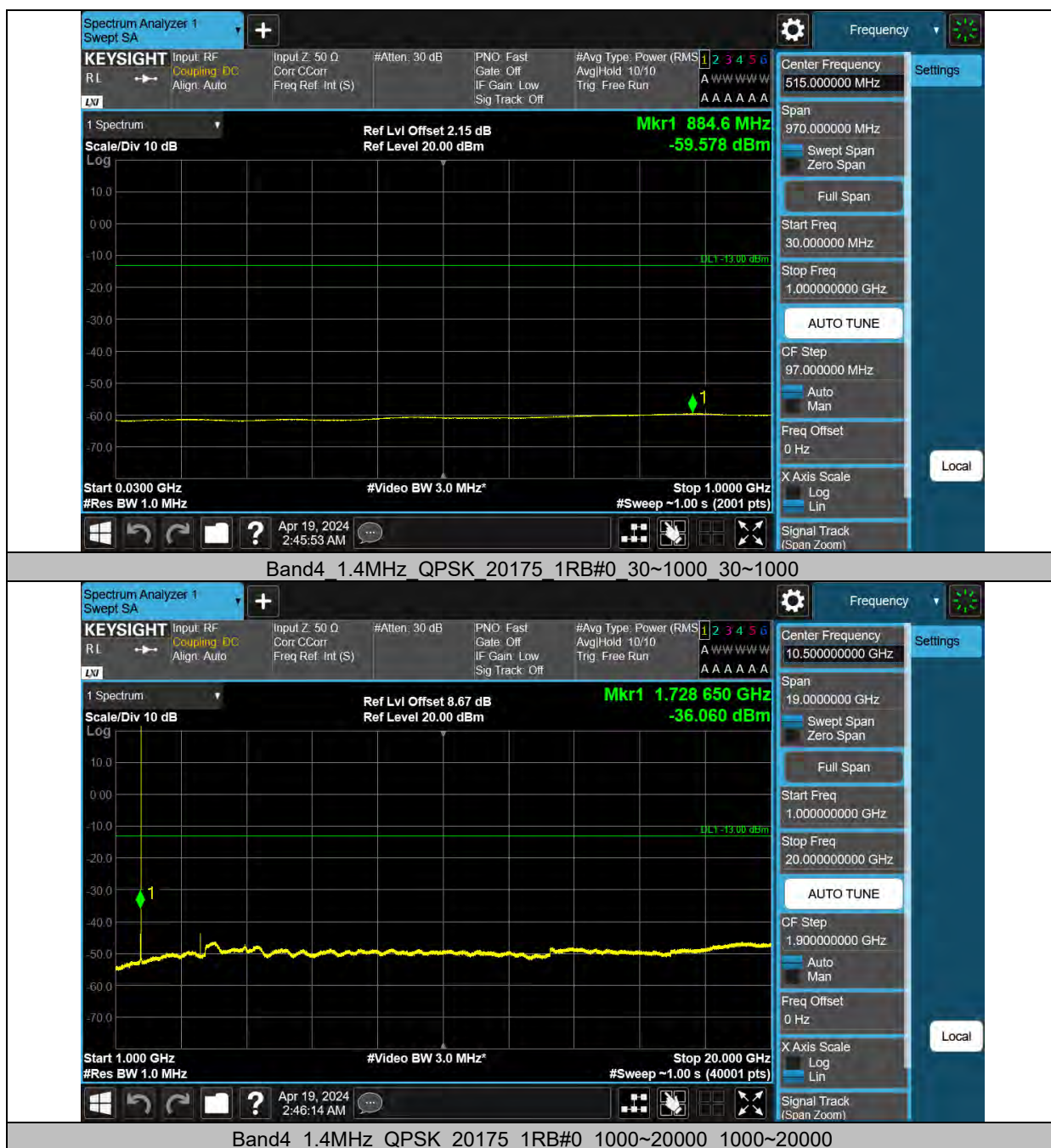


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Band4	20MHz	QPSK	20175	1RB#0	1000~20000	-46.32	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-59.64	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~20000	-41.61	PASS

Test Graphs

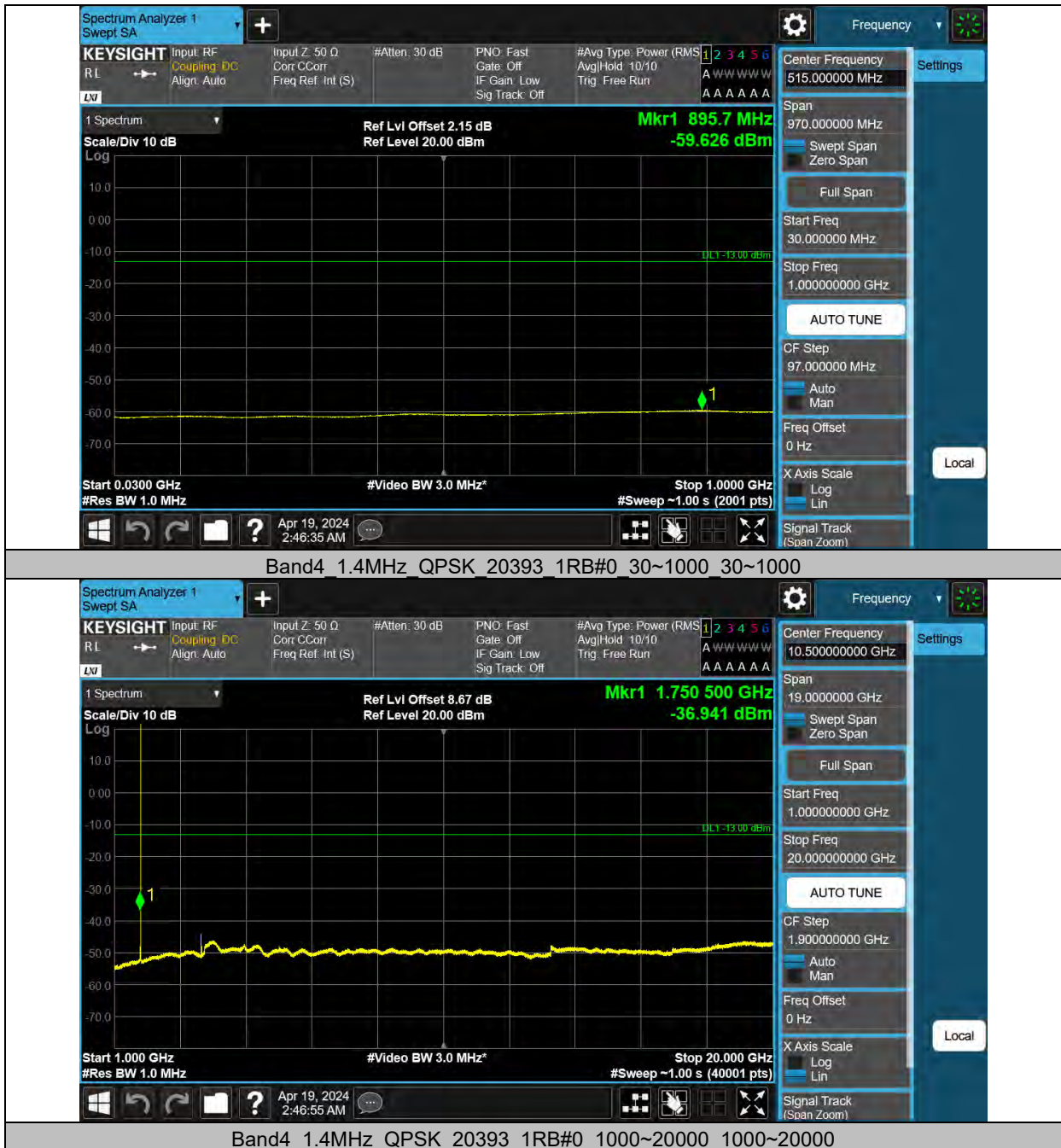


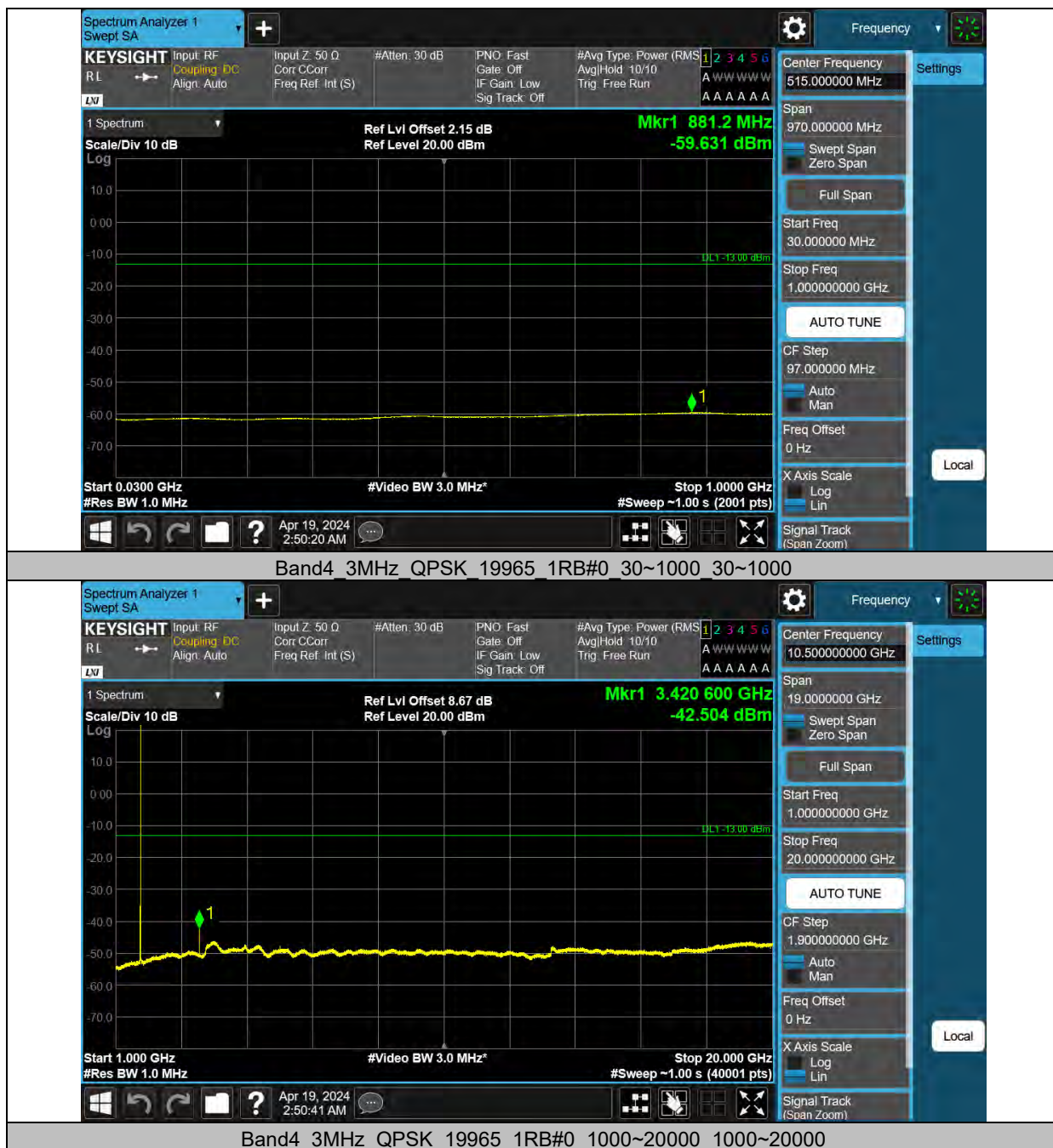




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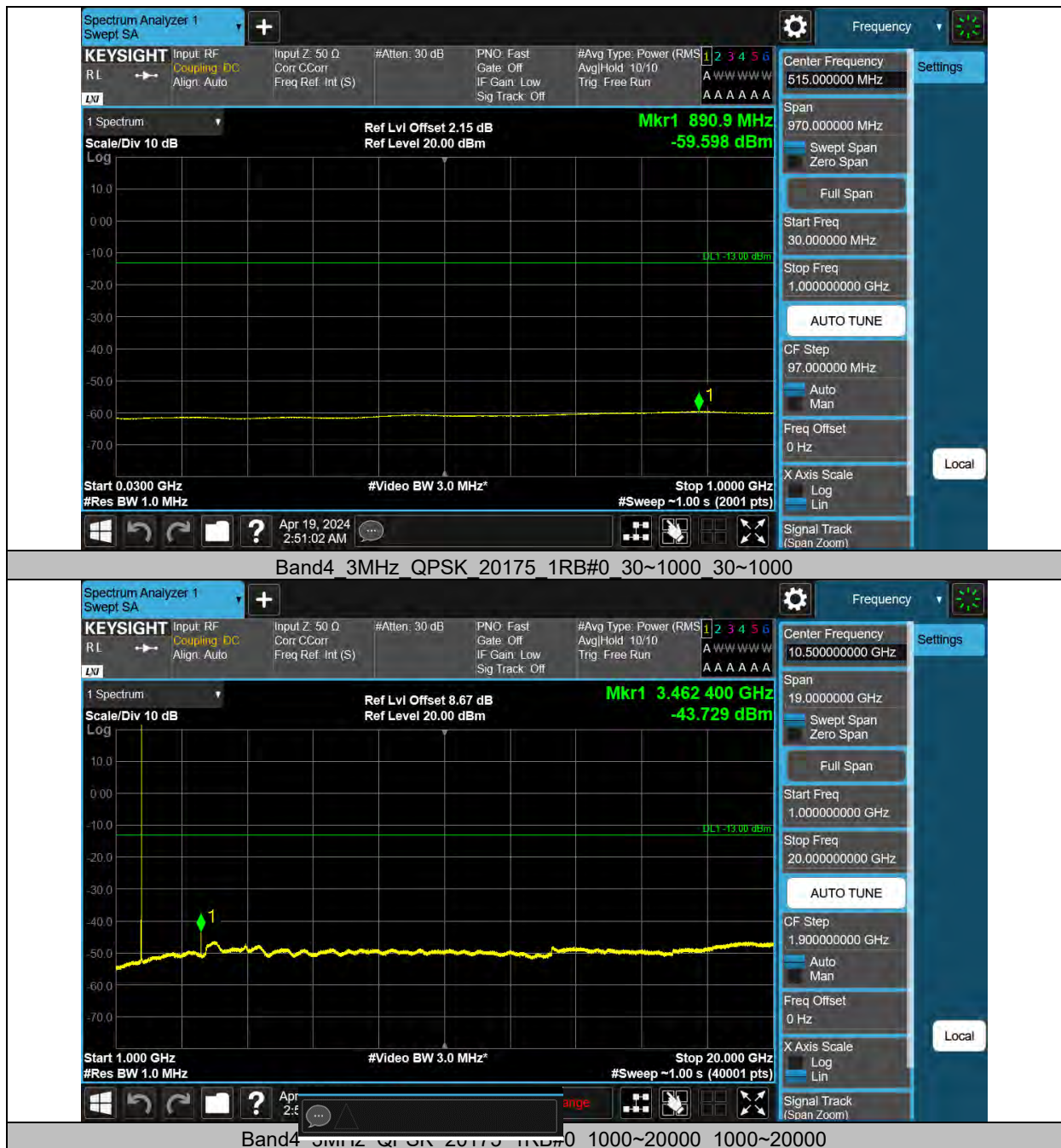


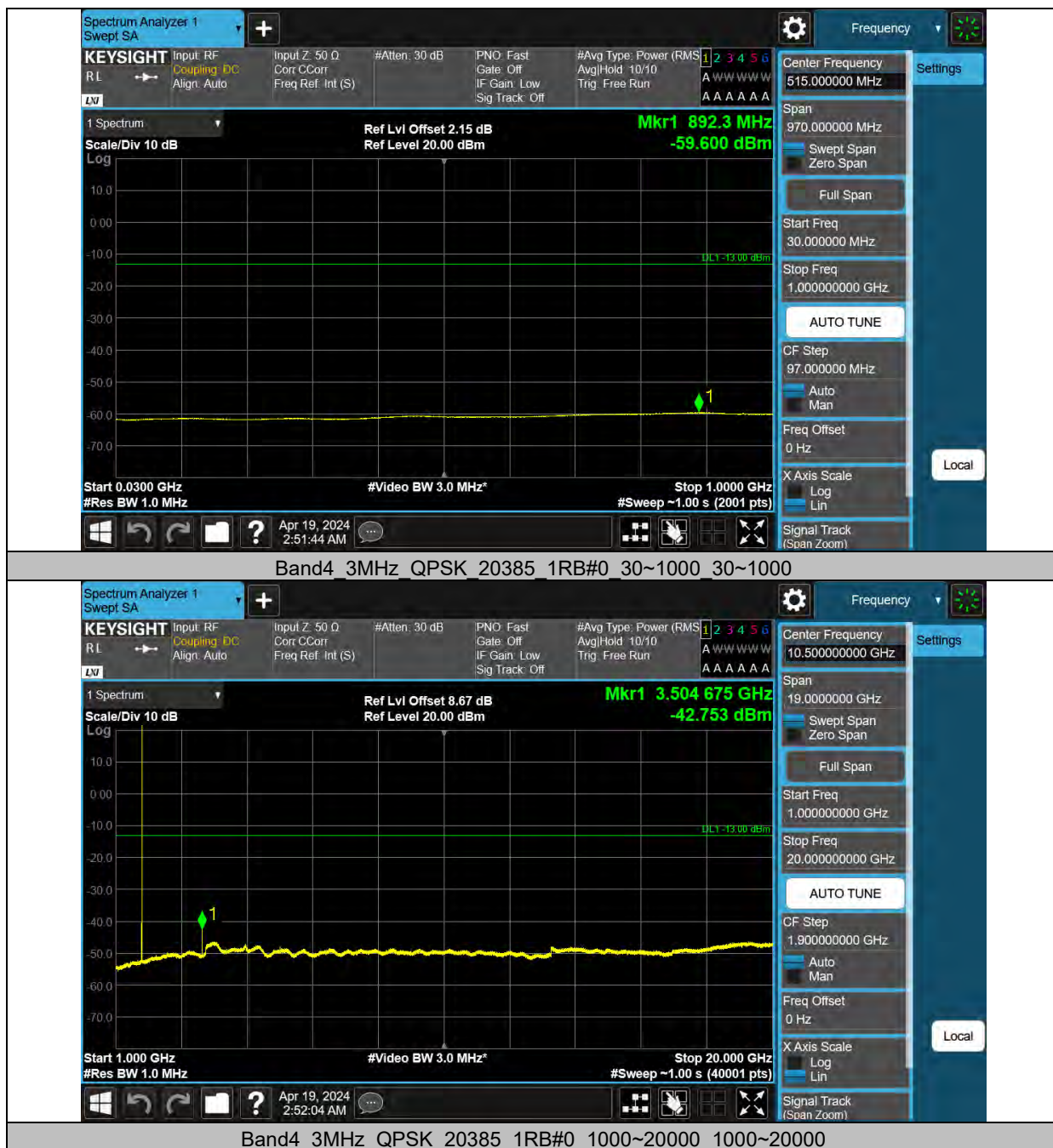


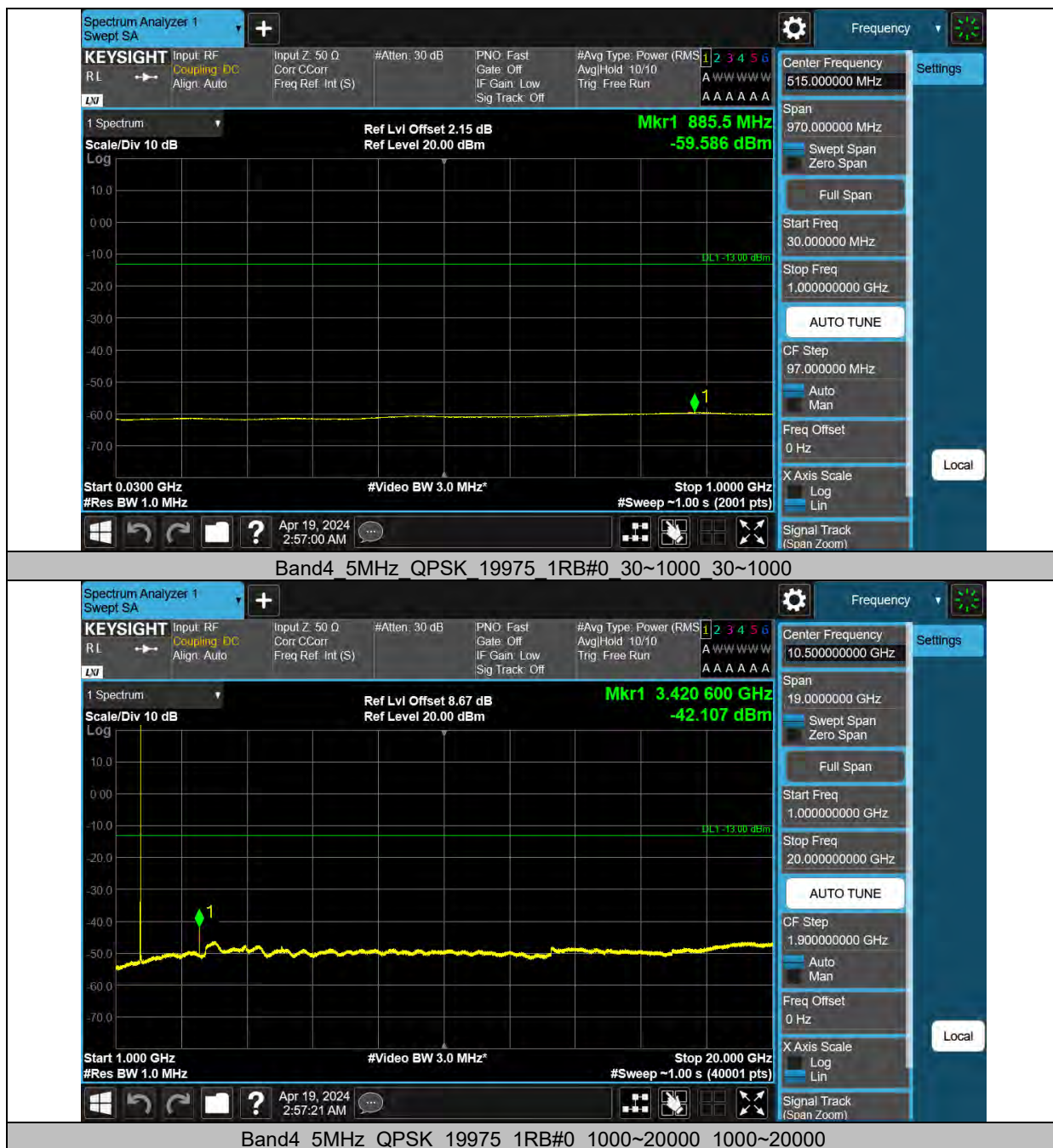


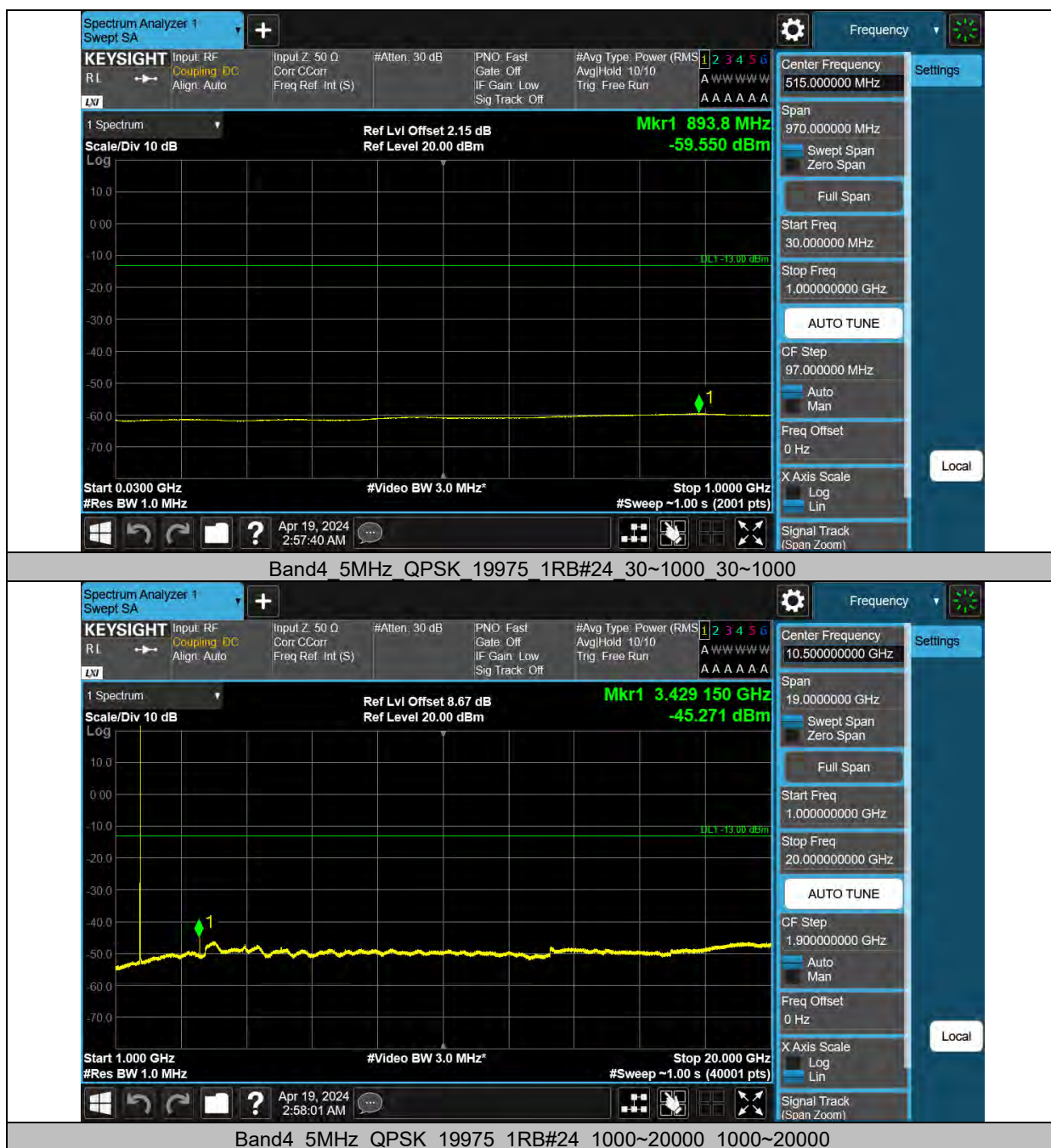
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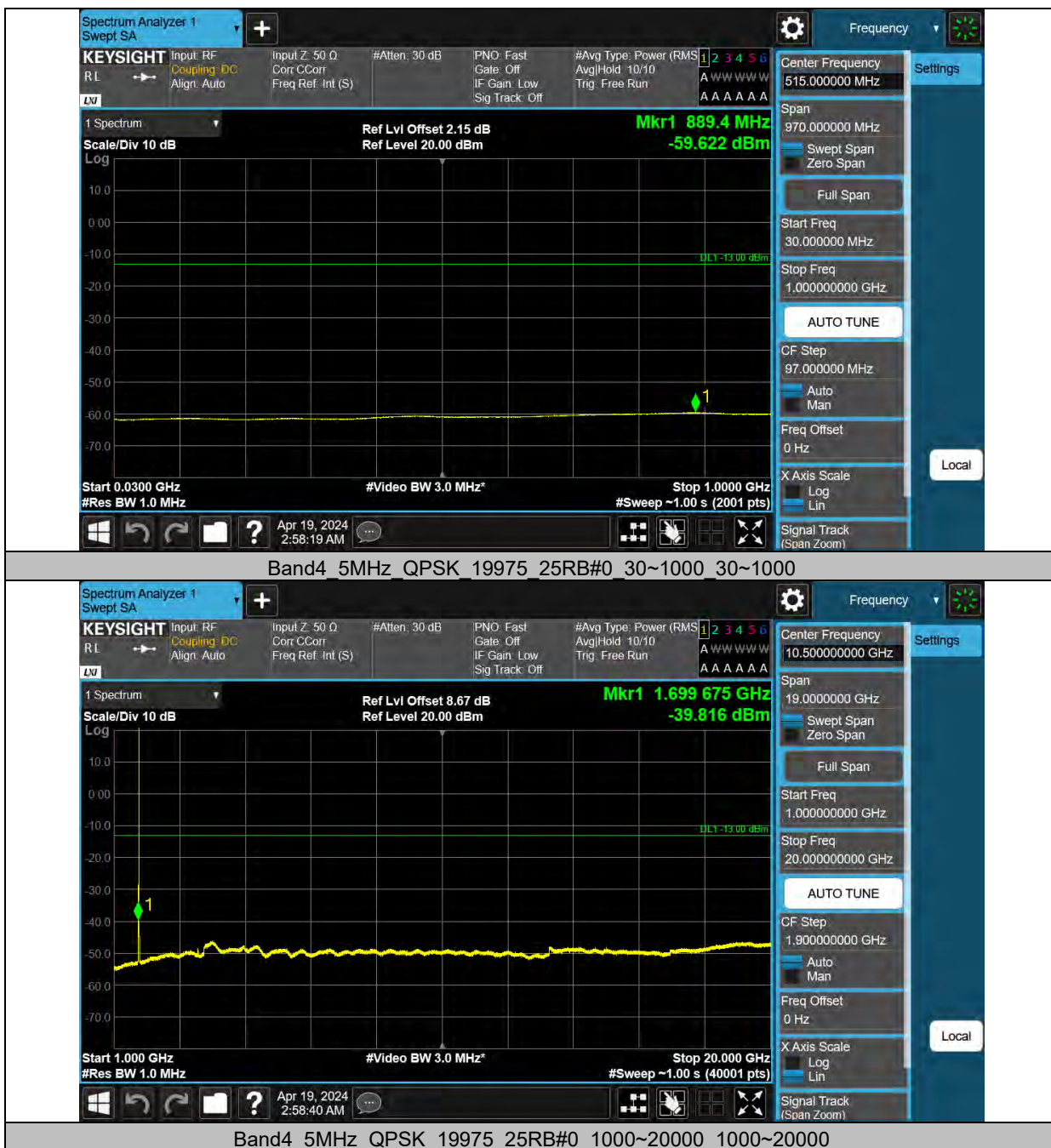
Test Report No.: PSU-QSU2403110115RF03

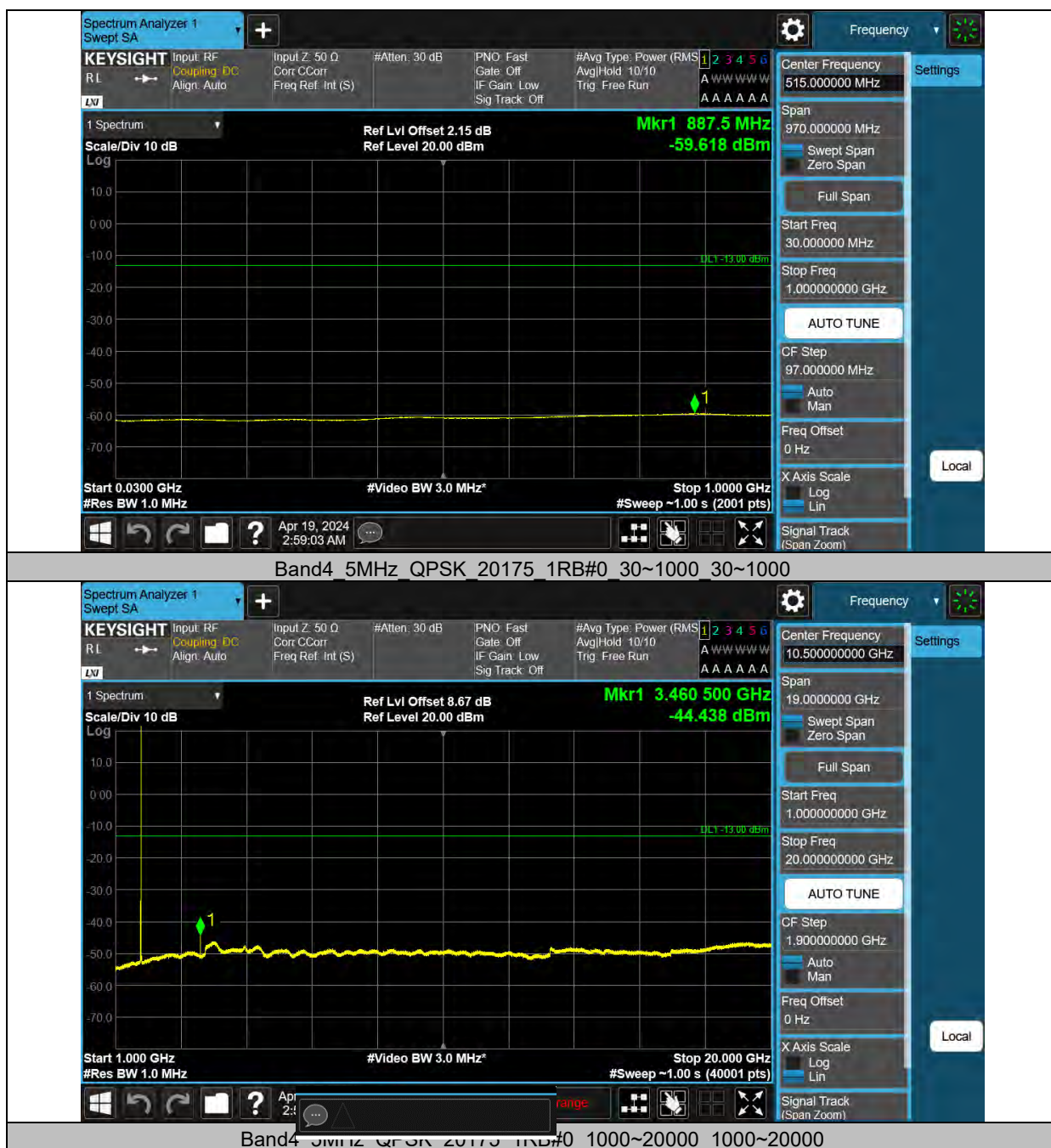


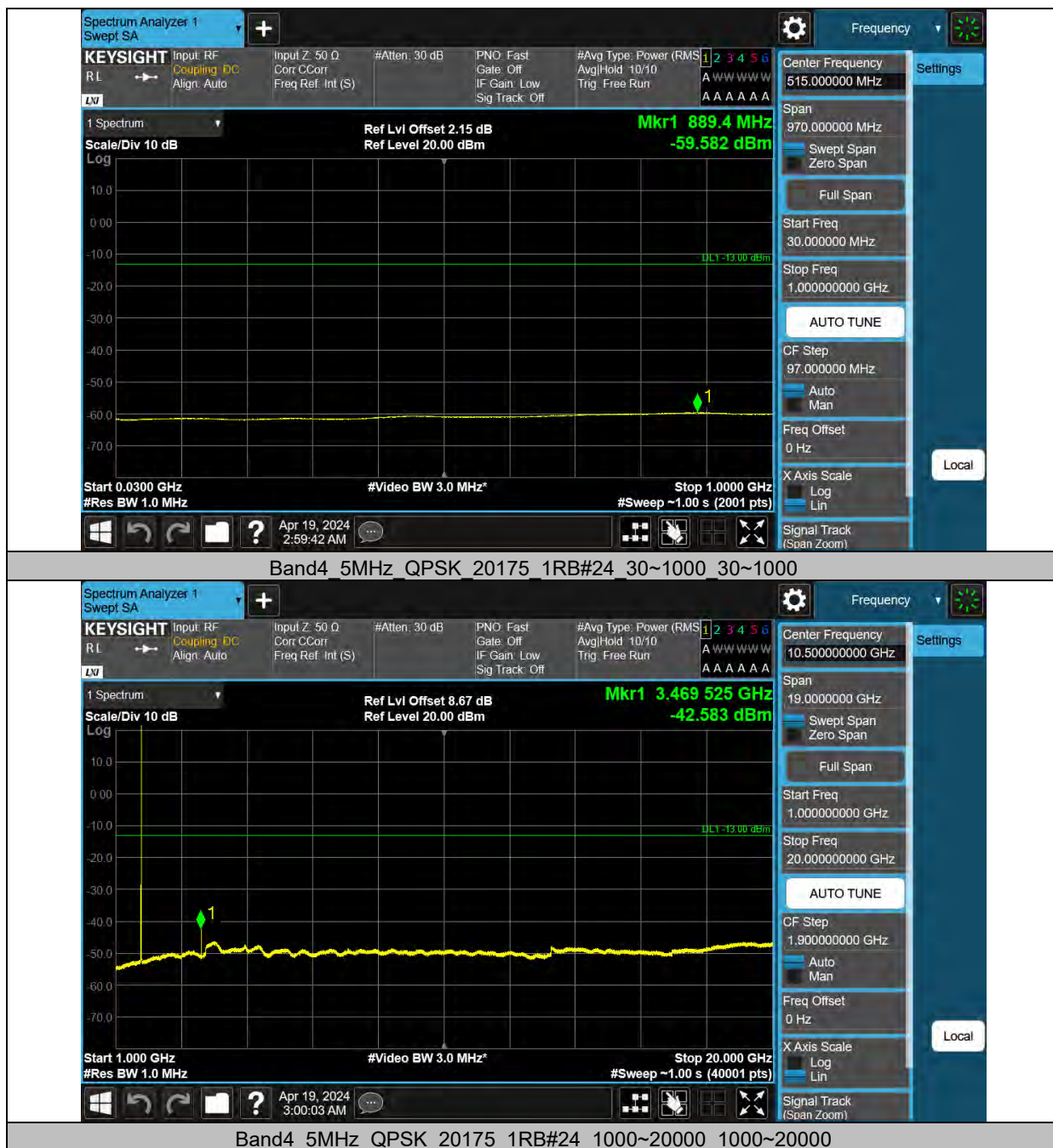


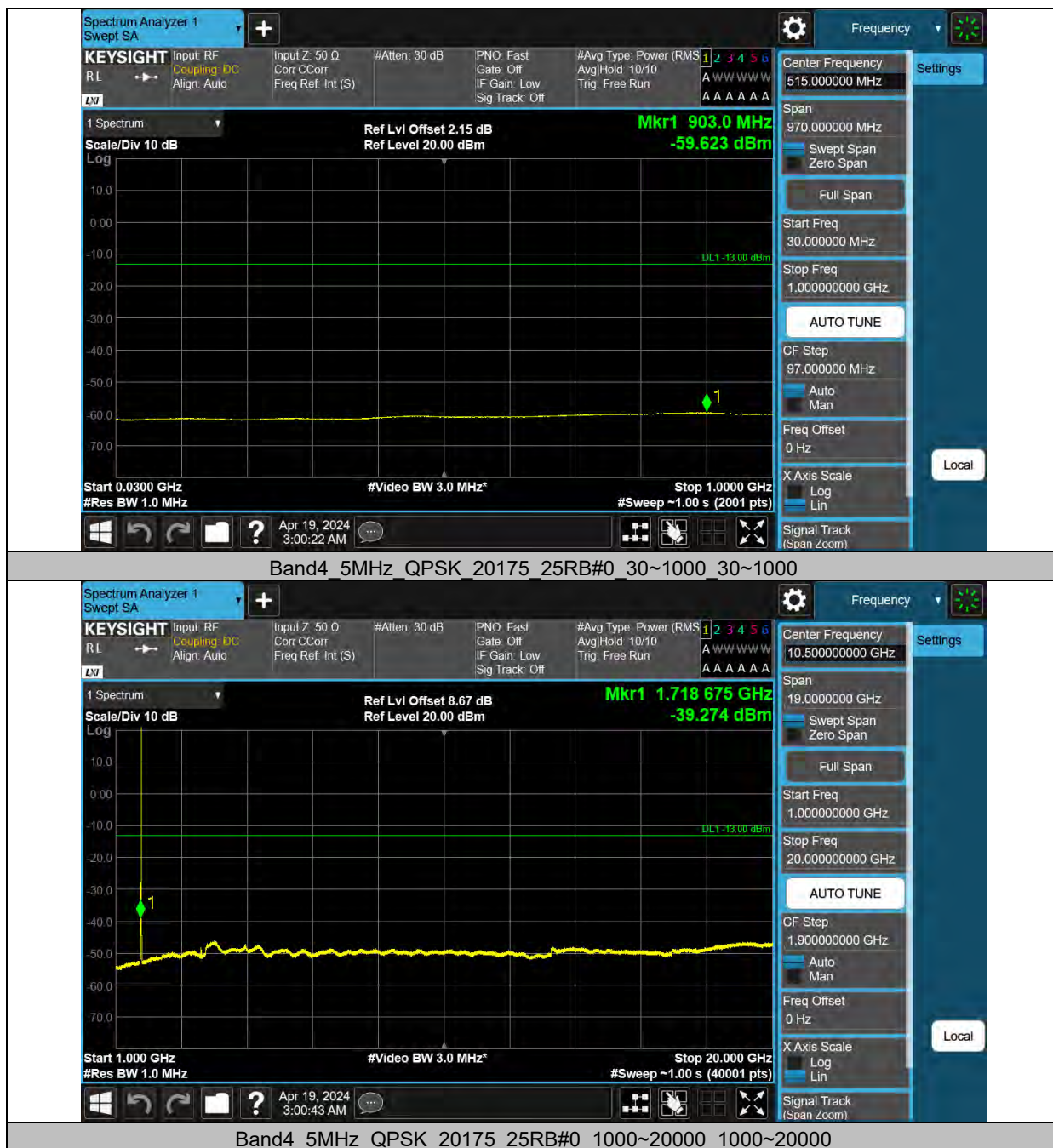


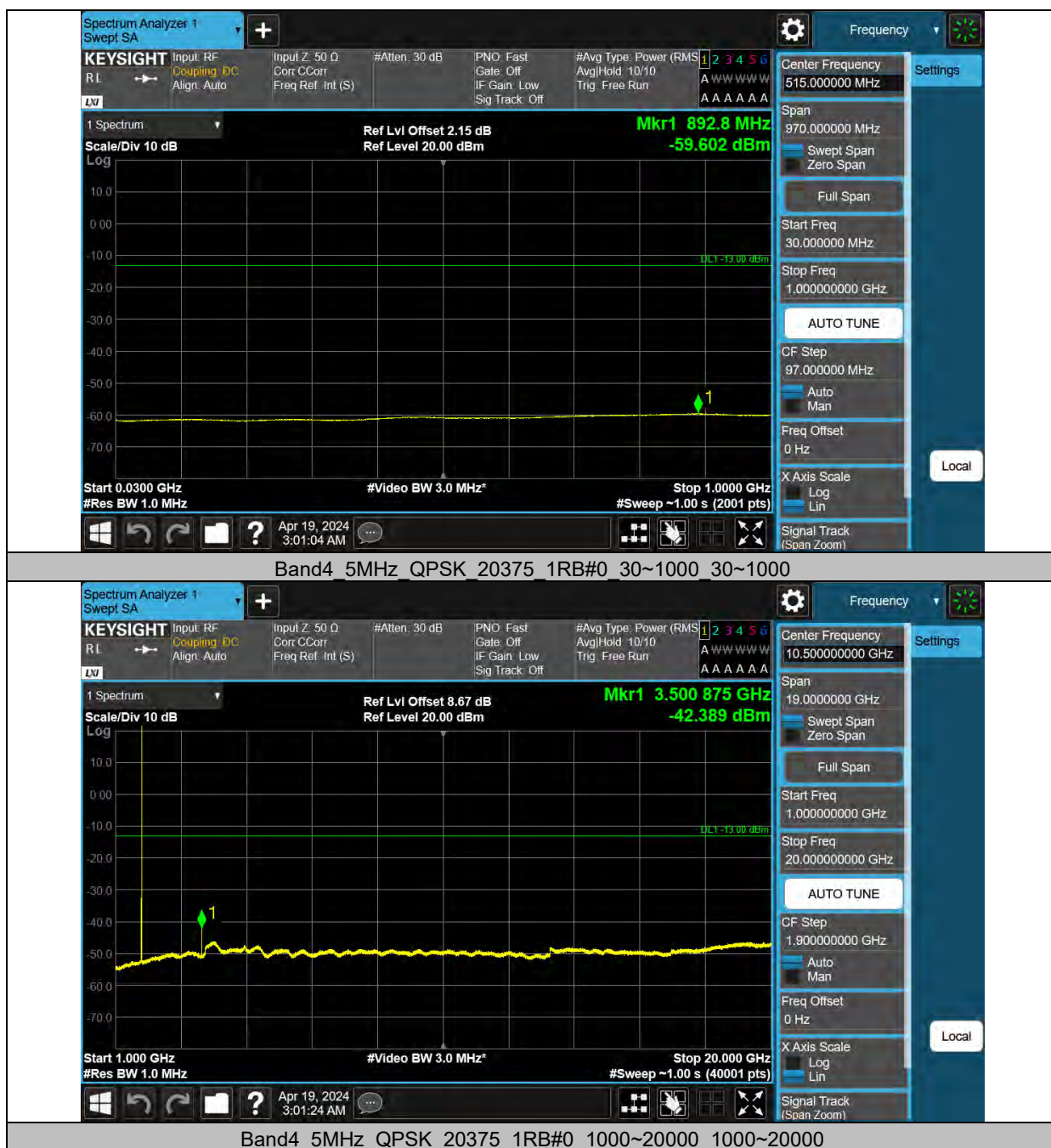


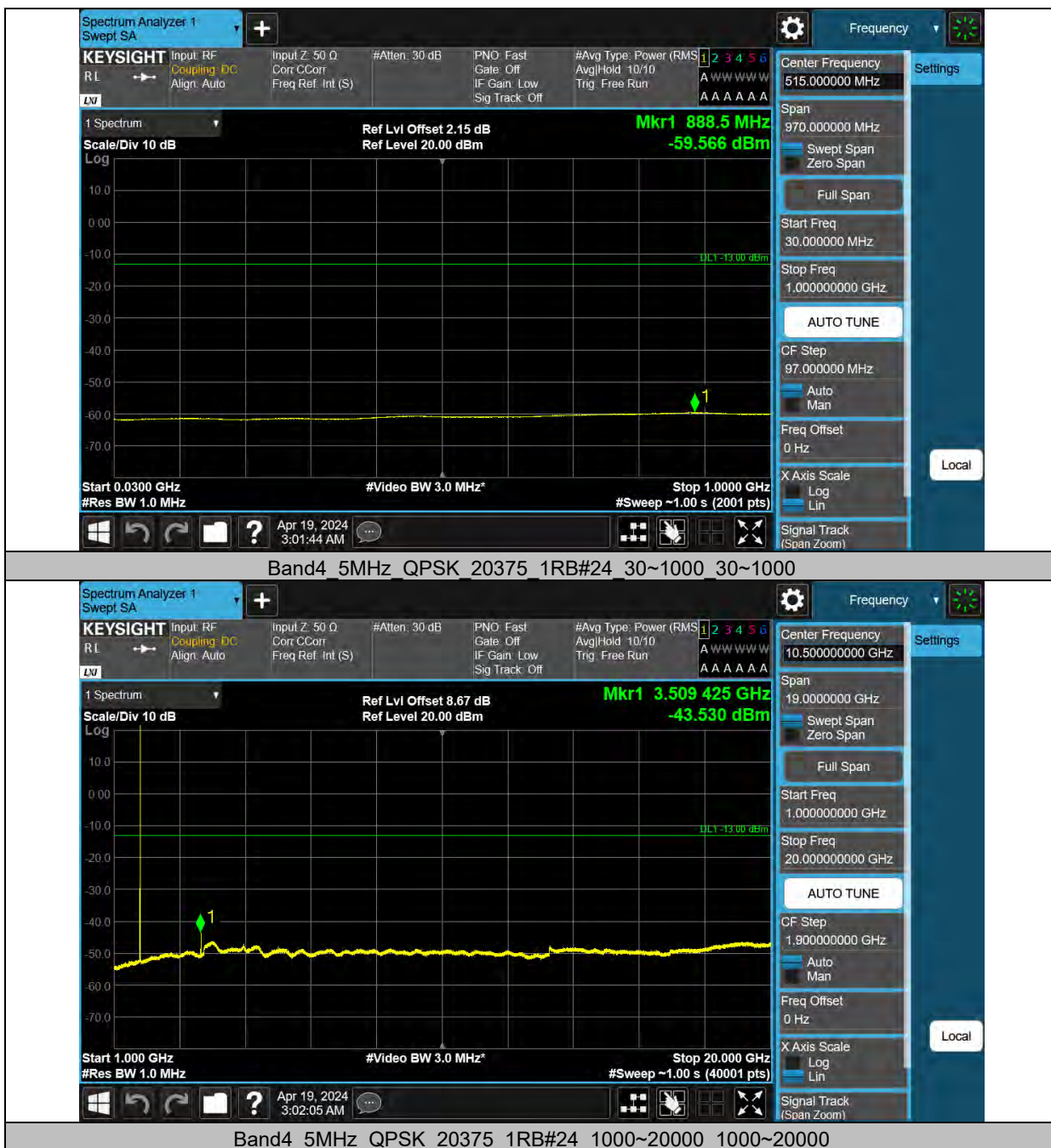


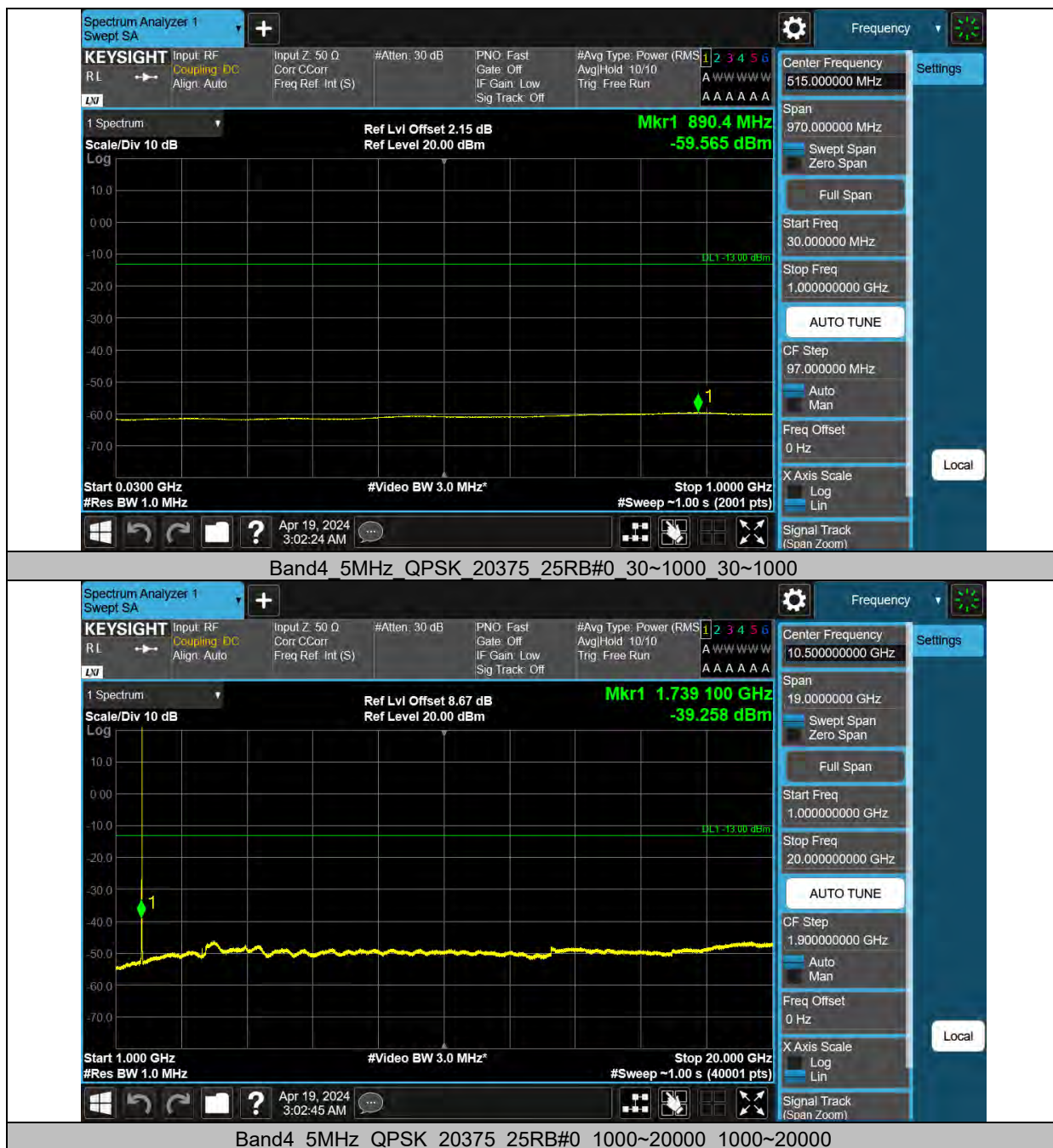


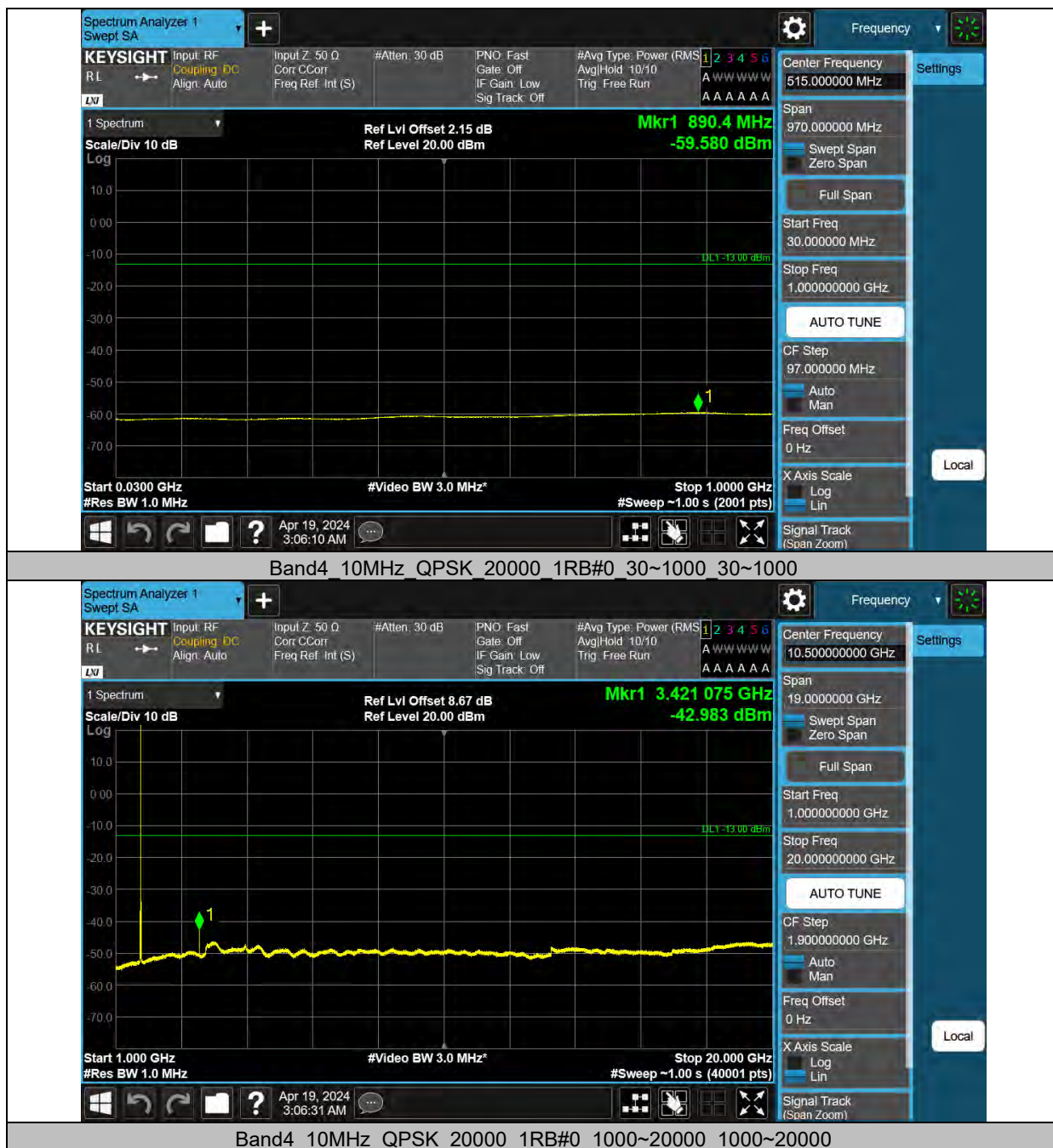








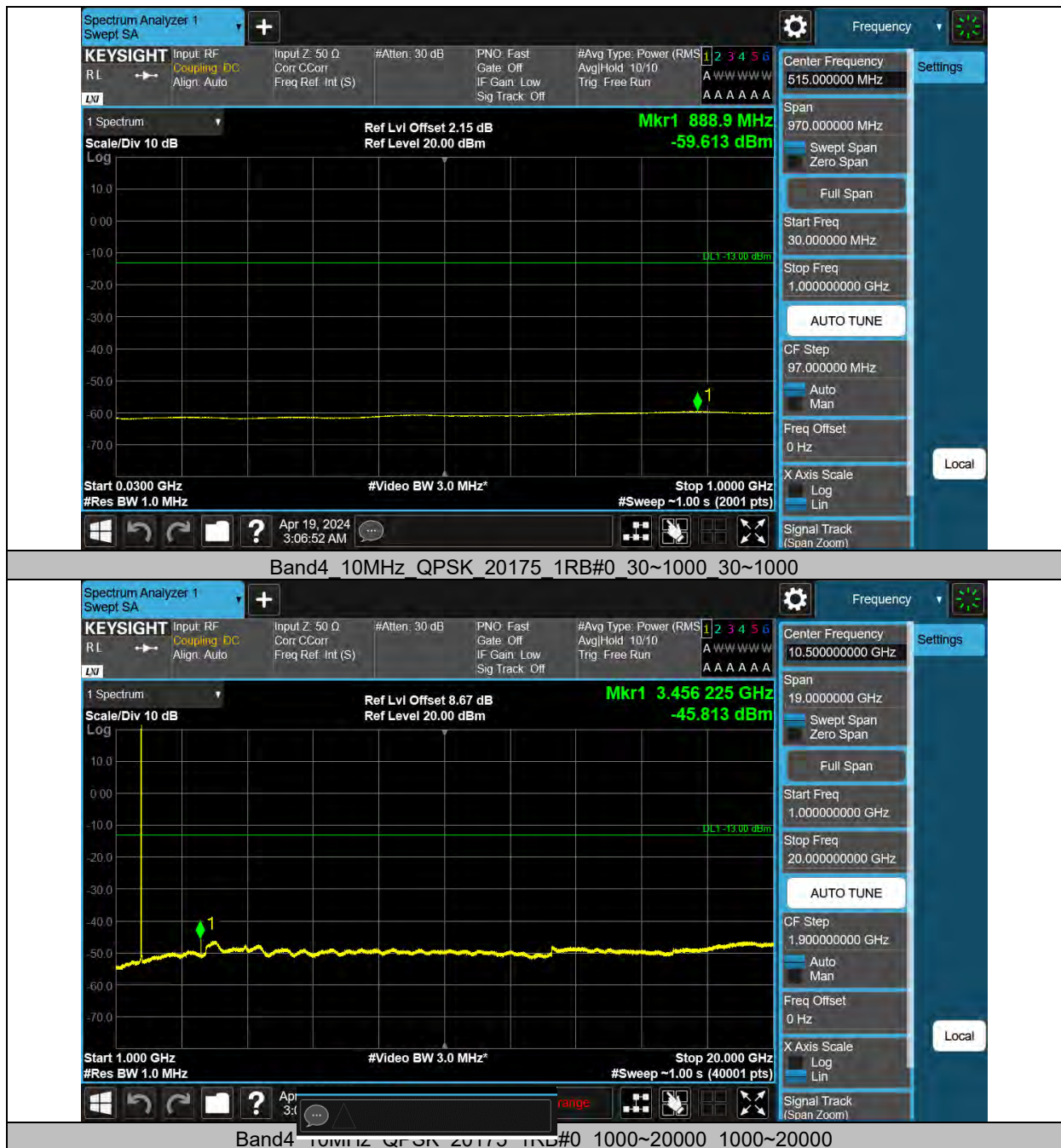


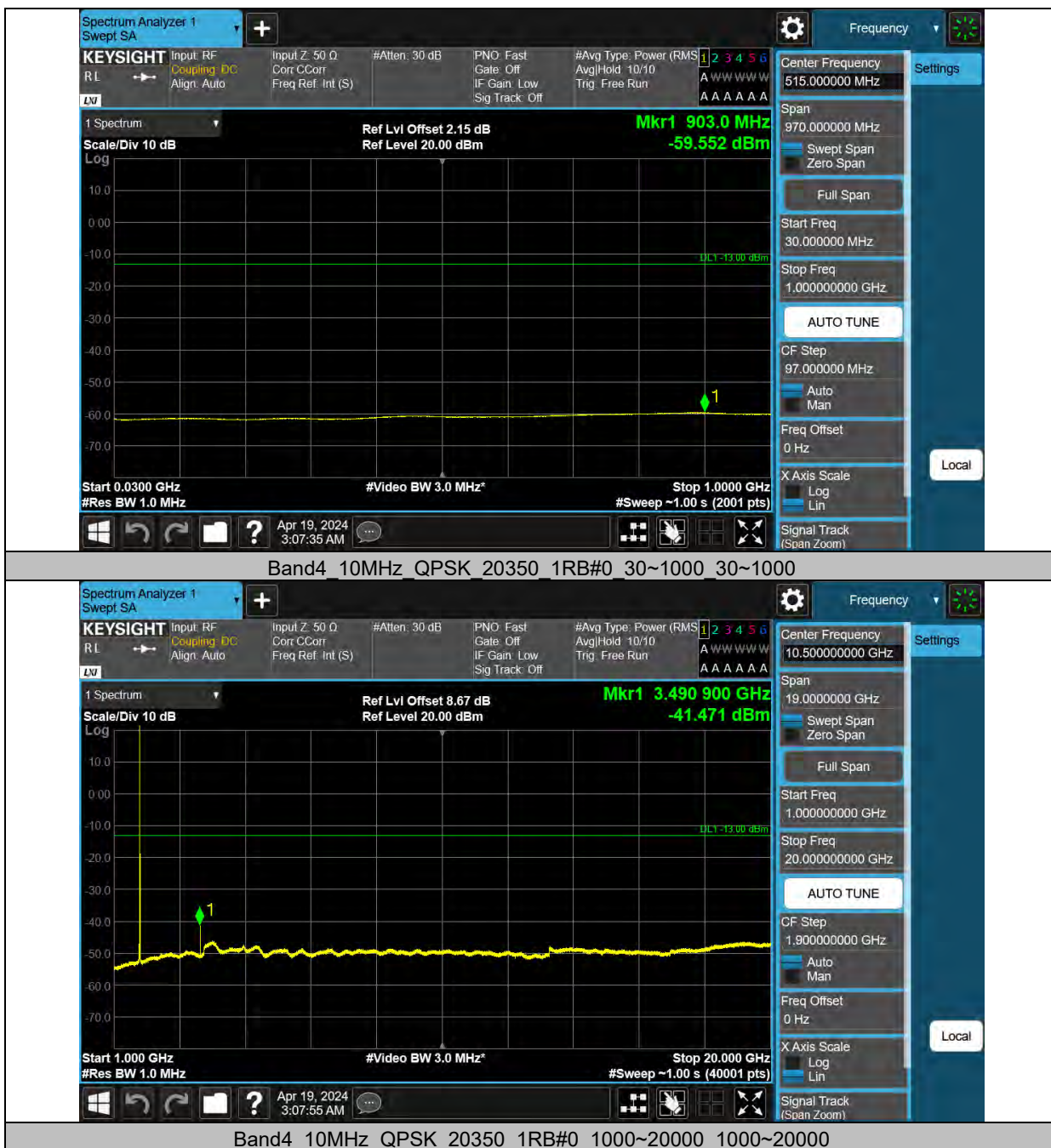


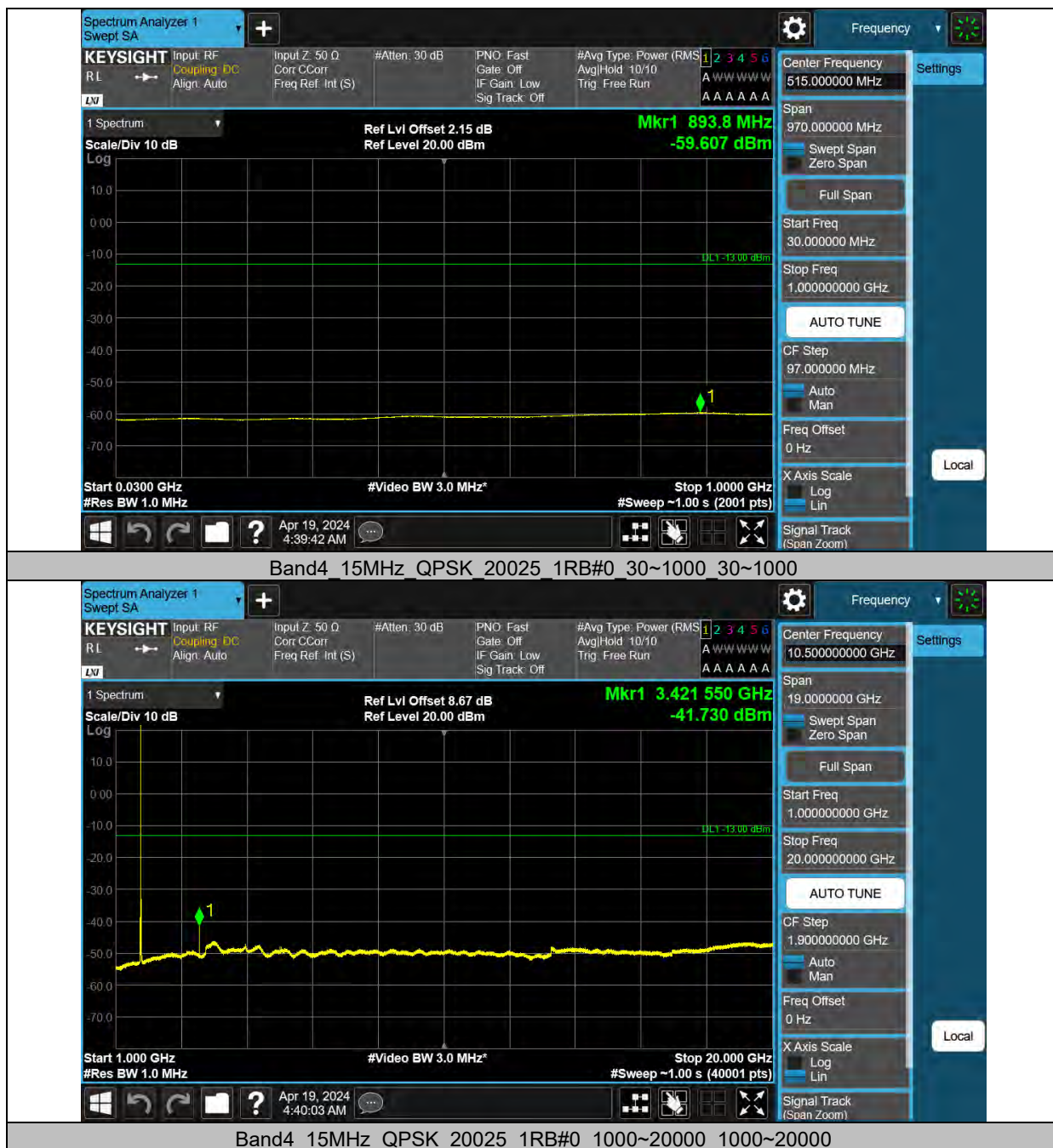


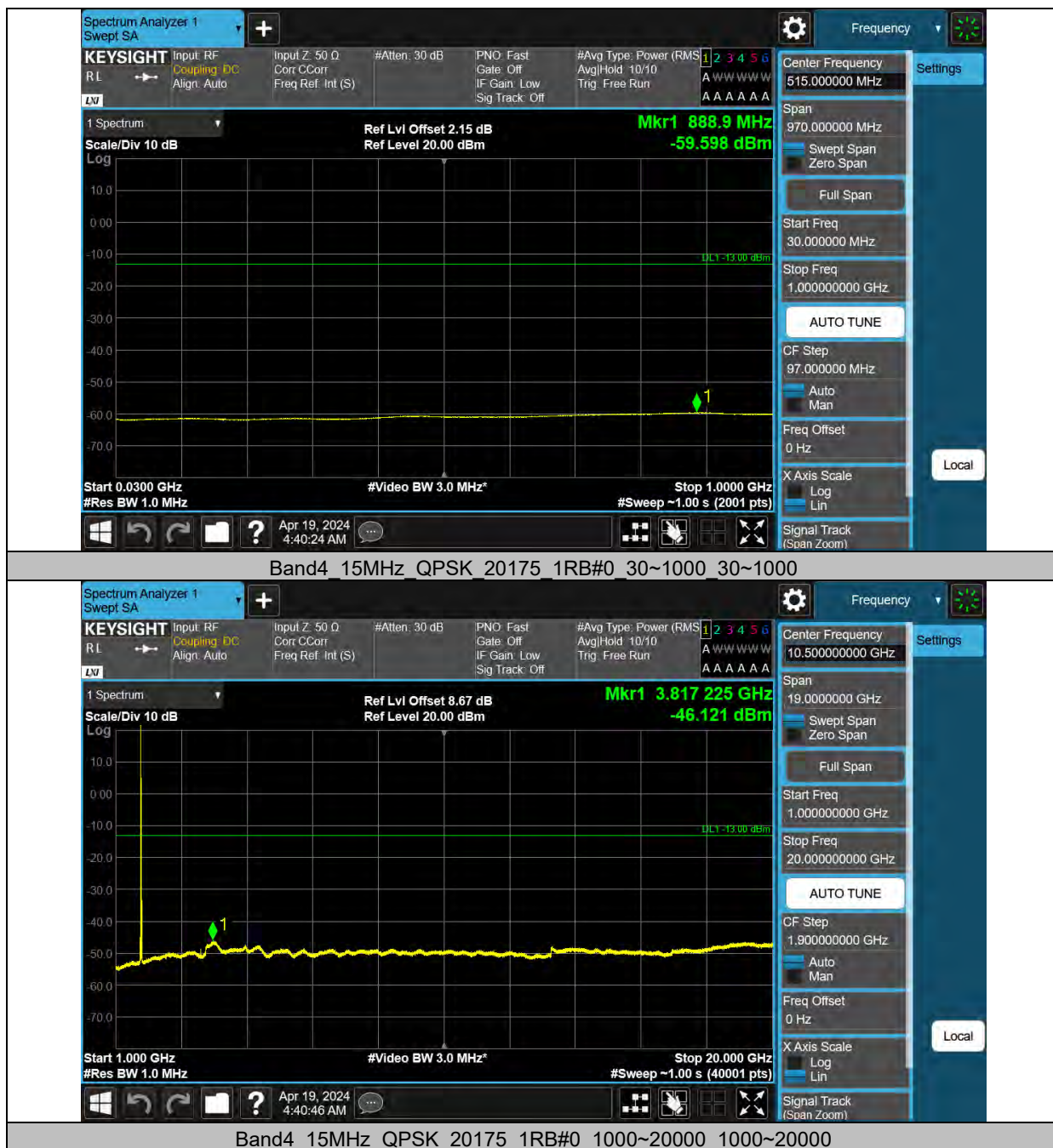
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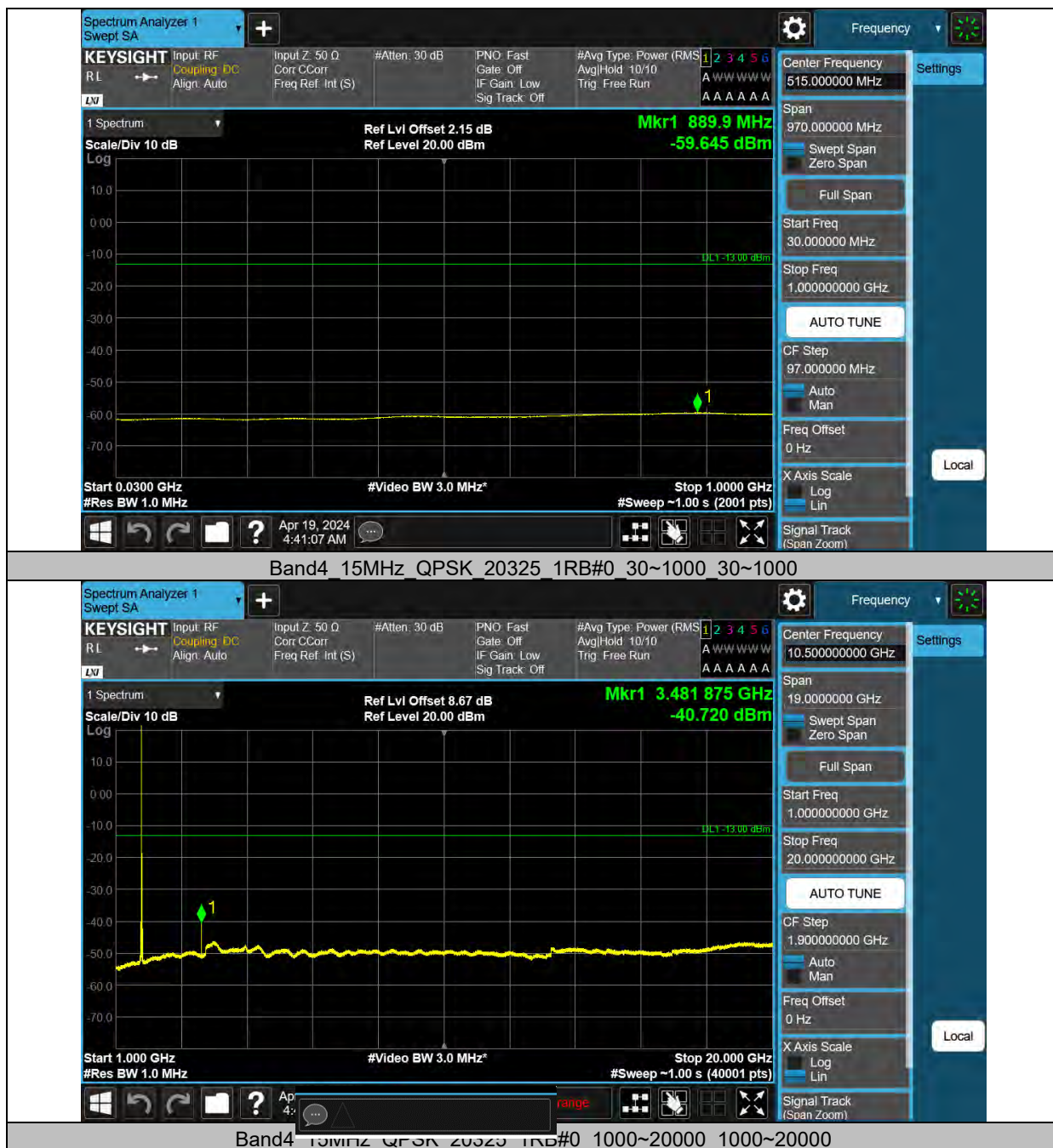
Test Report No.: PSU-QSU2403110115RF03

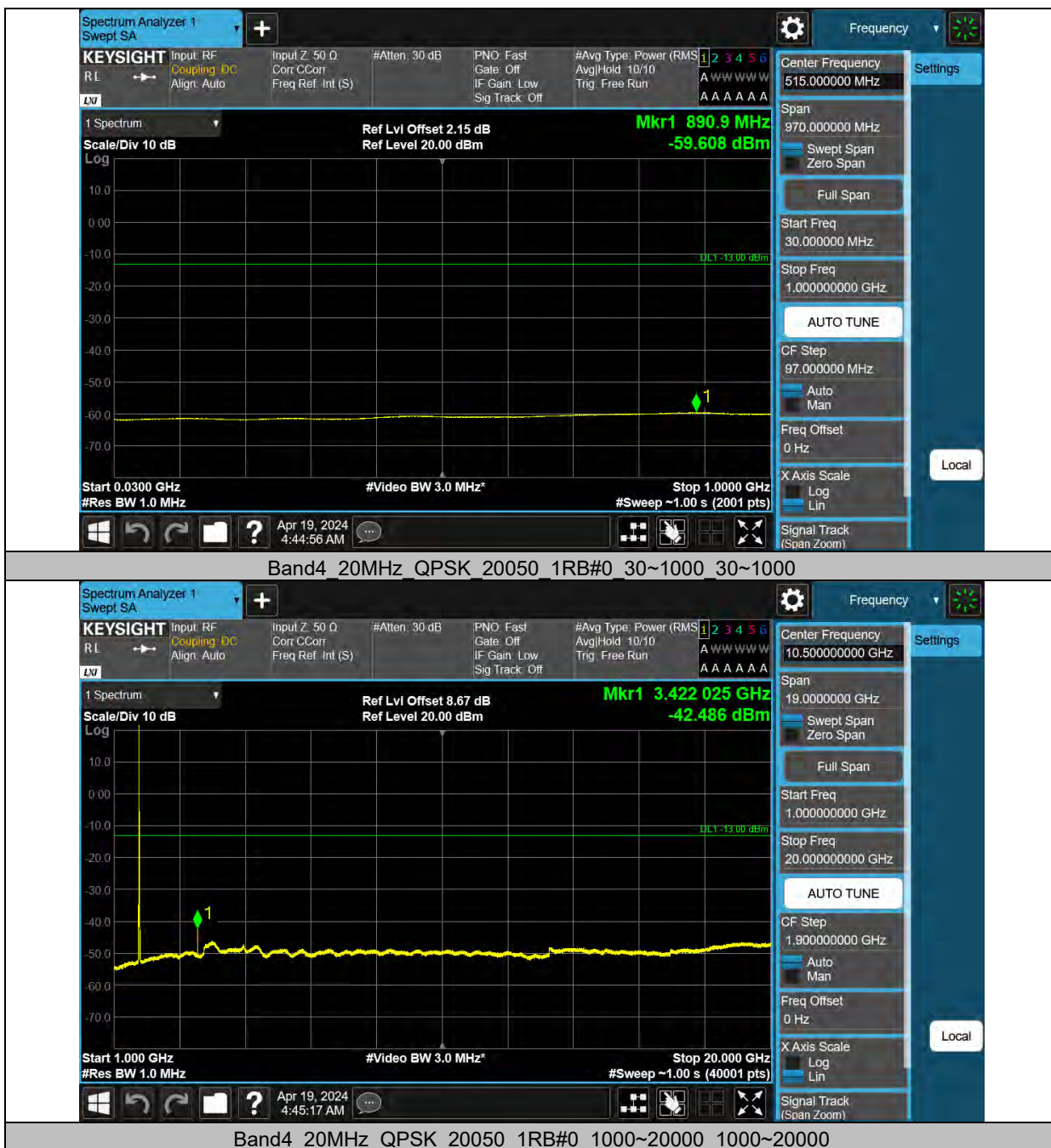


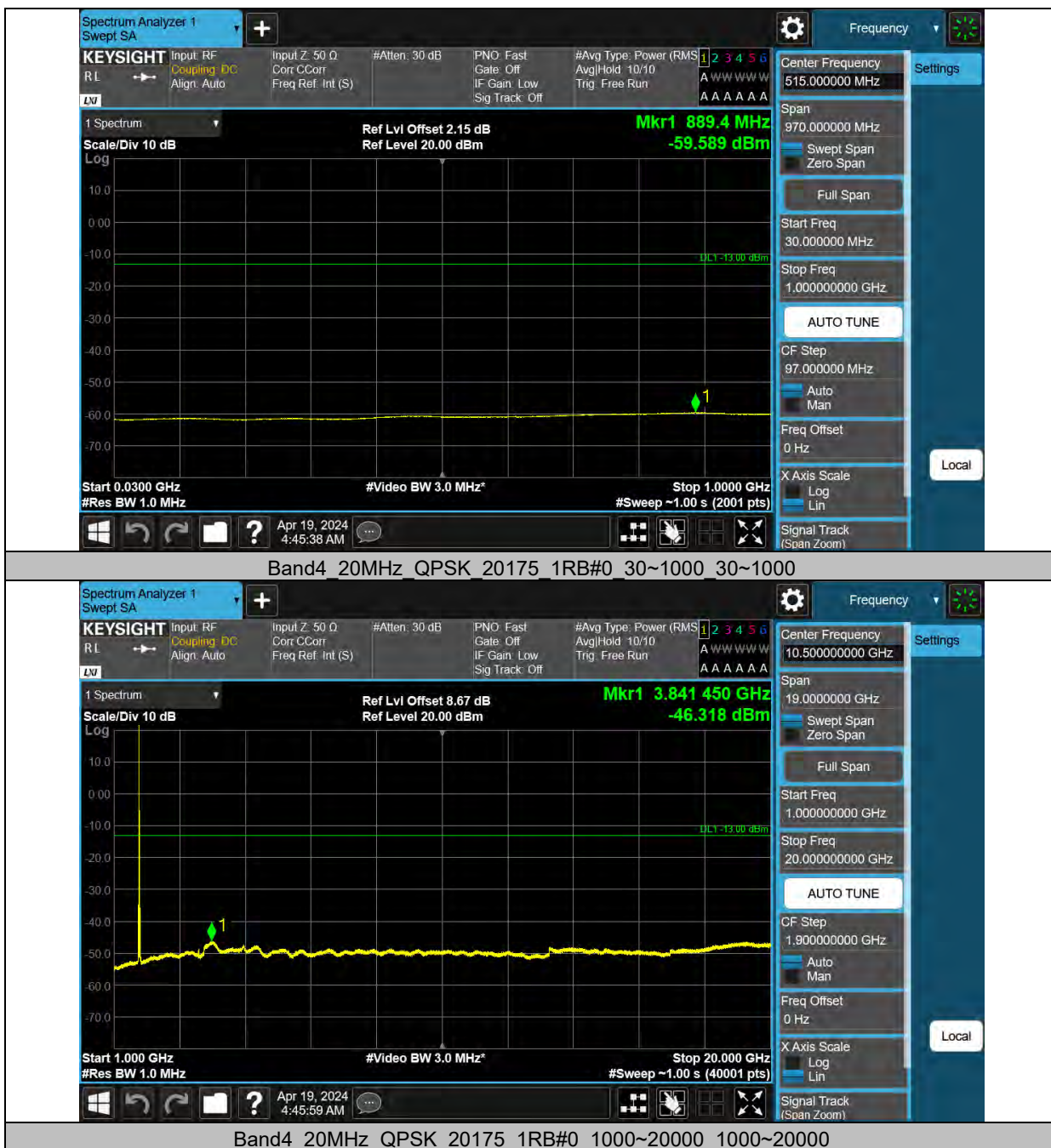








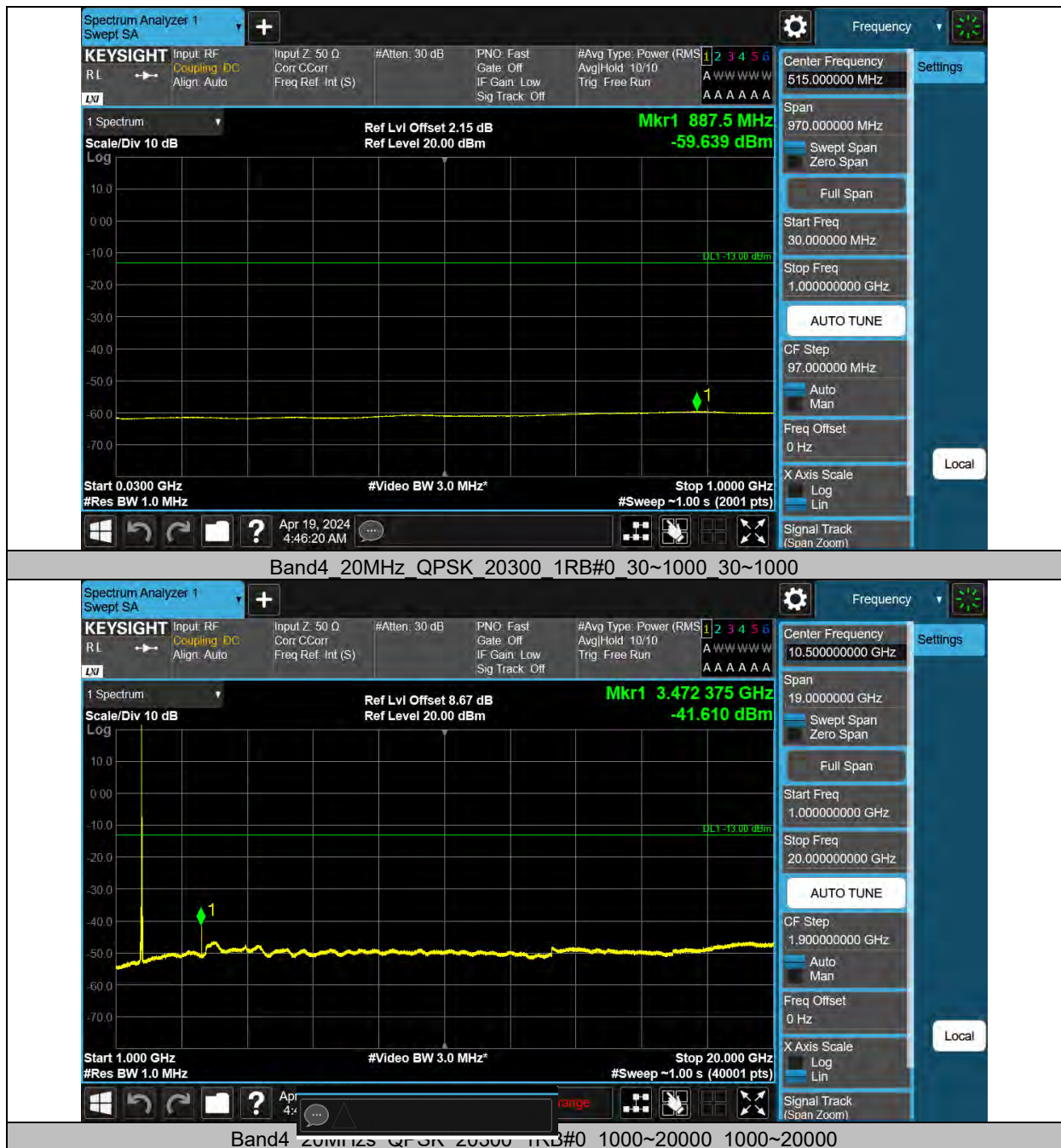






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FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-4.05	-0.002362	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-5.04	-0.002939	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-4.76	-0.002776	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	4.49	0.002592	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	4.16	0.002401	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-3.83	-0.002211	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	5.38	0.003074	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	2.68	0.001531	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	4.32	0.002469	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-6.02	-0.003510	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-7.84	-0.004571	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-4.05	-0.002362	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-3.40	-0.001983	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-2.02	-0.001178	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-5.94	-0.003464	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-5.64	-0.003289	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-5.54	-0.003230	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-5.11	-0.002980	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	2.78	0.001605	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	3.79	0.002188	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	-2.46	-0.001420	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-5.34	-0.003082	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	-3.15	-0.001818	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	3.46	0.001997	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-3.15	-0.001818	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	4.25	0.002453	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-2.17	-0.001253	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	6.15	0.003514	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	2.62	0.001497	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	6.05	0.003457	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	3.83	0.002189	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	1.69	0.000966	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	4.73	0.002703	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	3.60	0.002057	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	3.76	0.002149	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	5.24	0.002994	±2.5	PASS

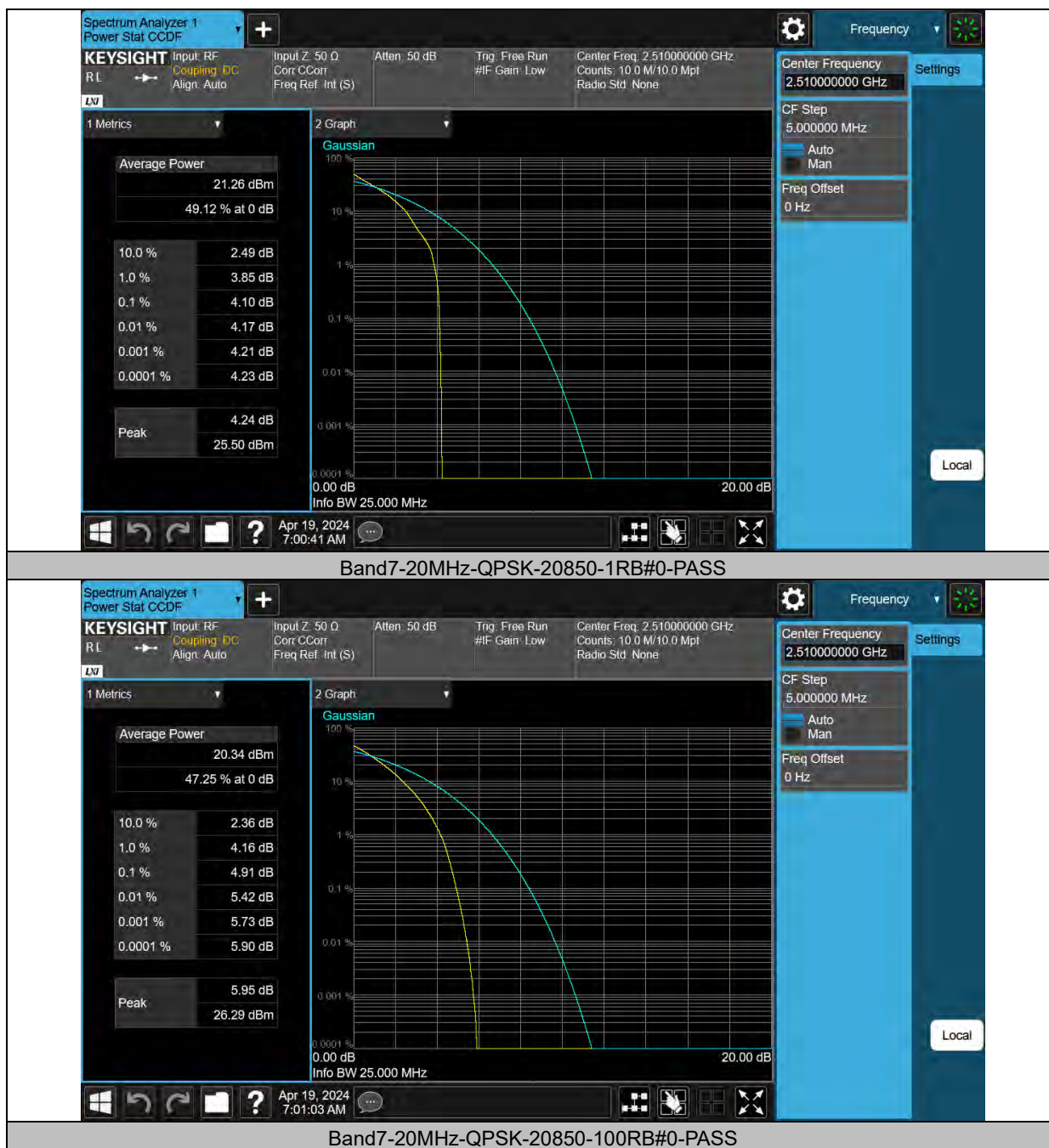
LTE BAND7

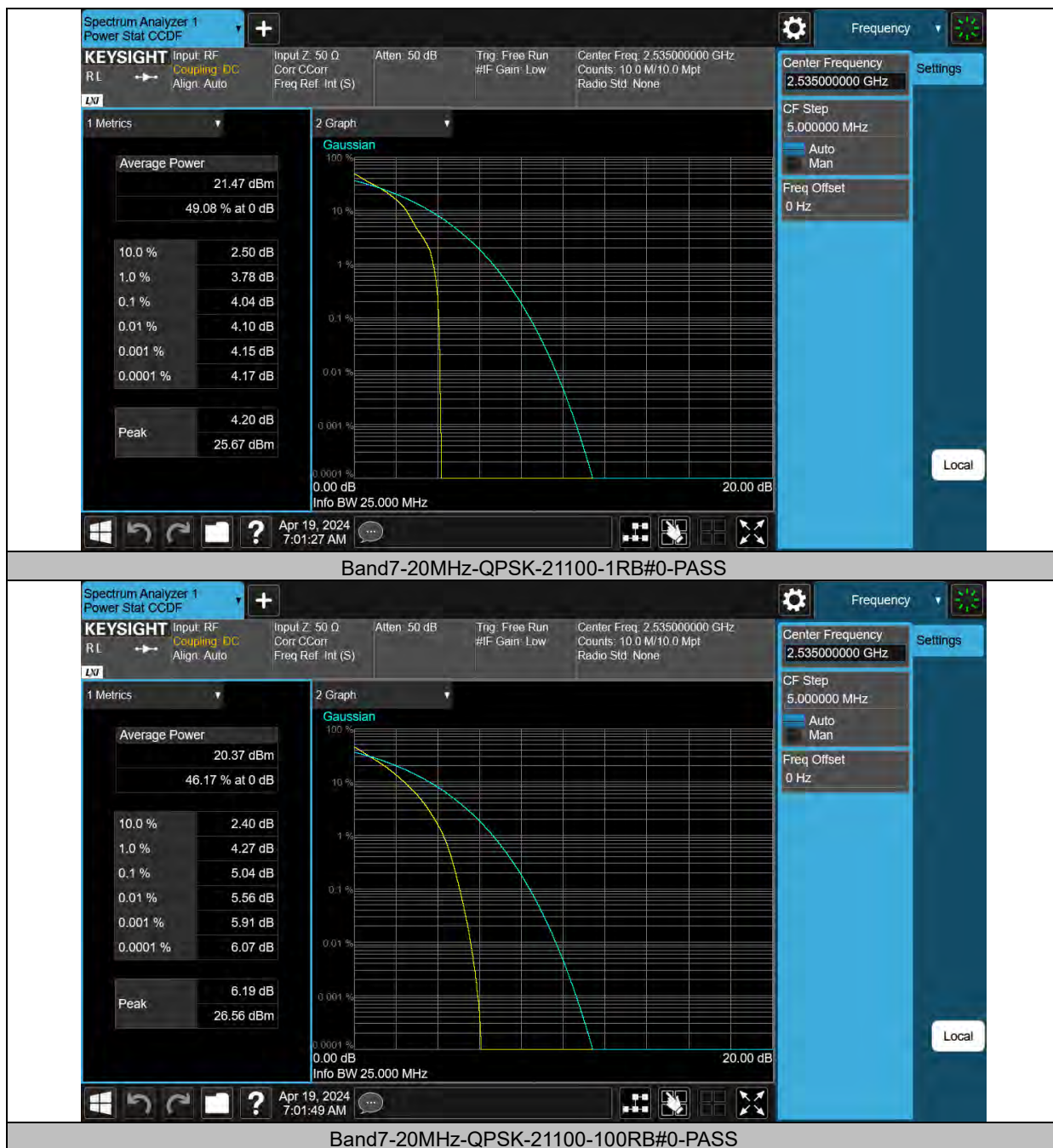
PEAK-TO-AVERAGE RATIO(CCDF)

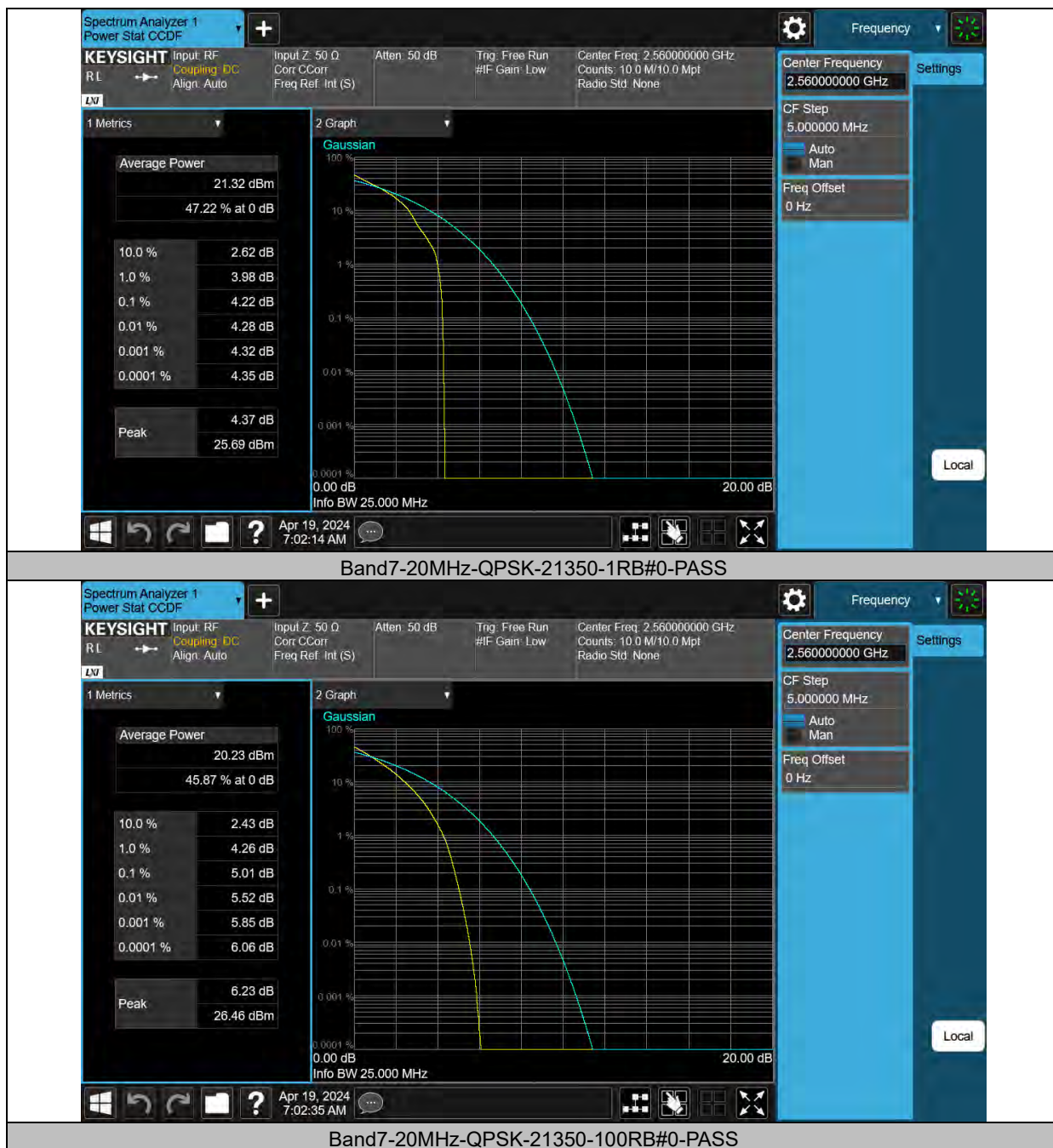
Test Result

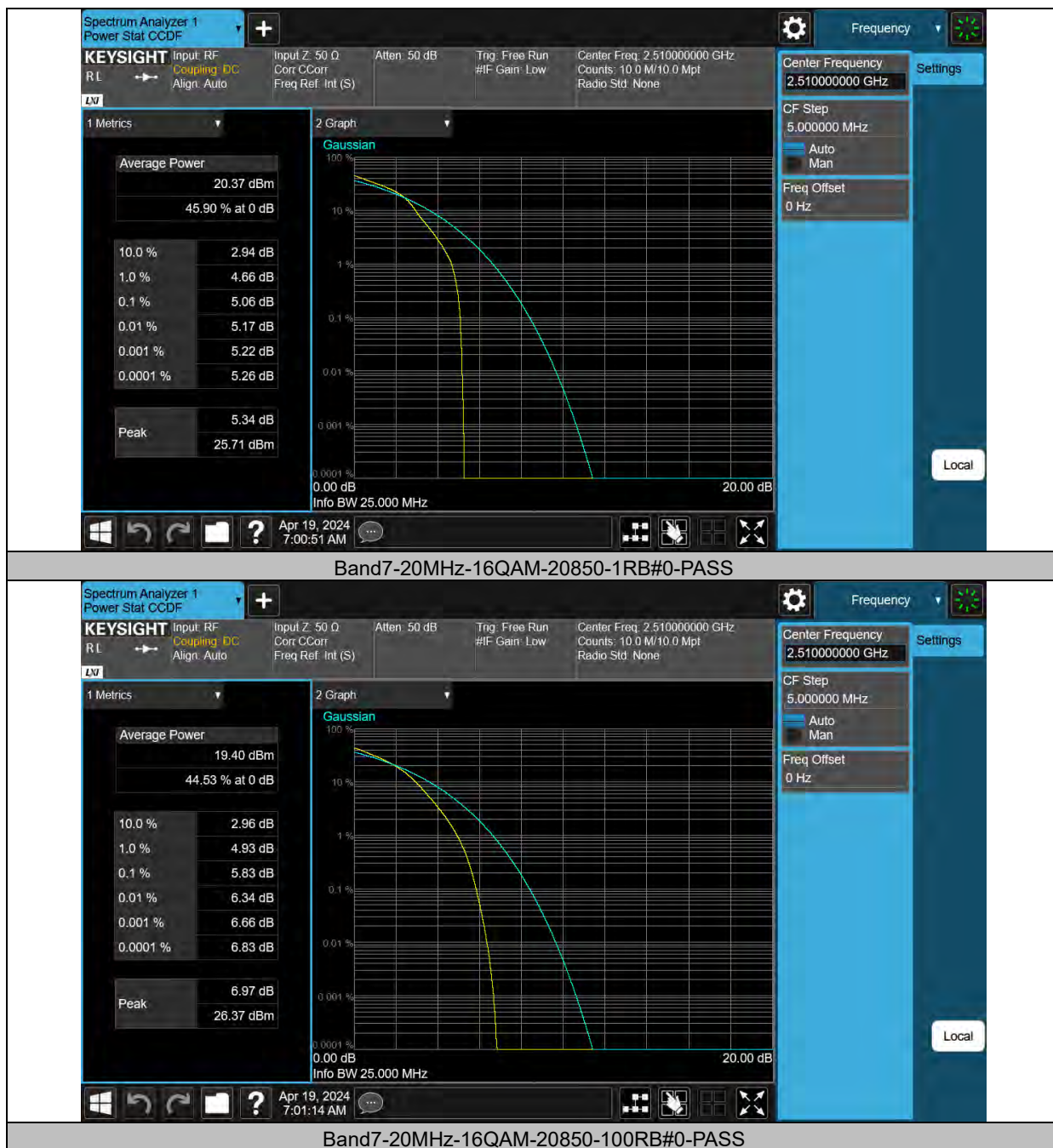
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	4.10	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.91	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.04	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.04	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.22	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.01	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.06	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.83	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.99	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.93	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.21	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.93	13	PASS

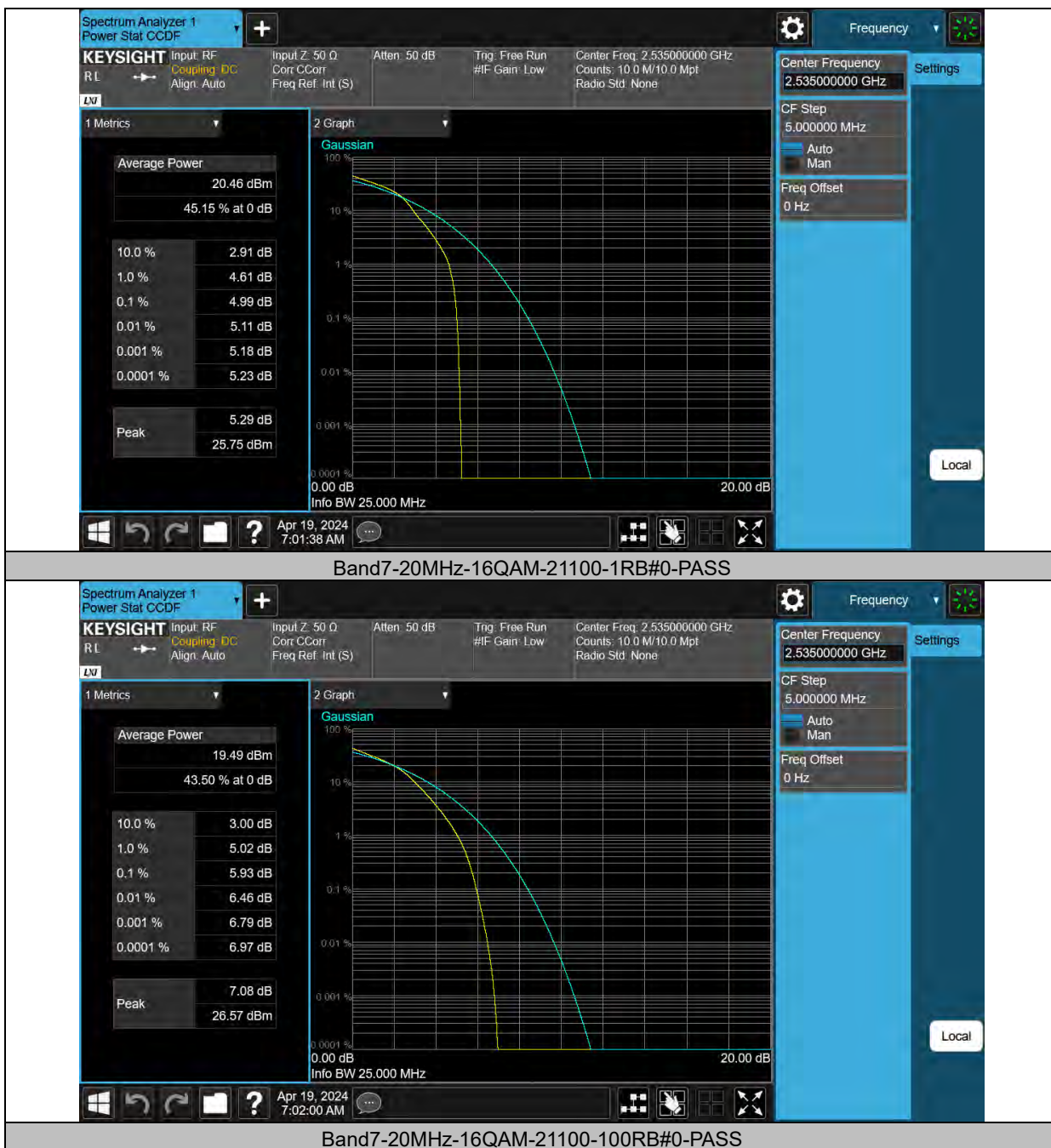
Test Graphs

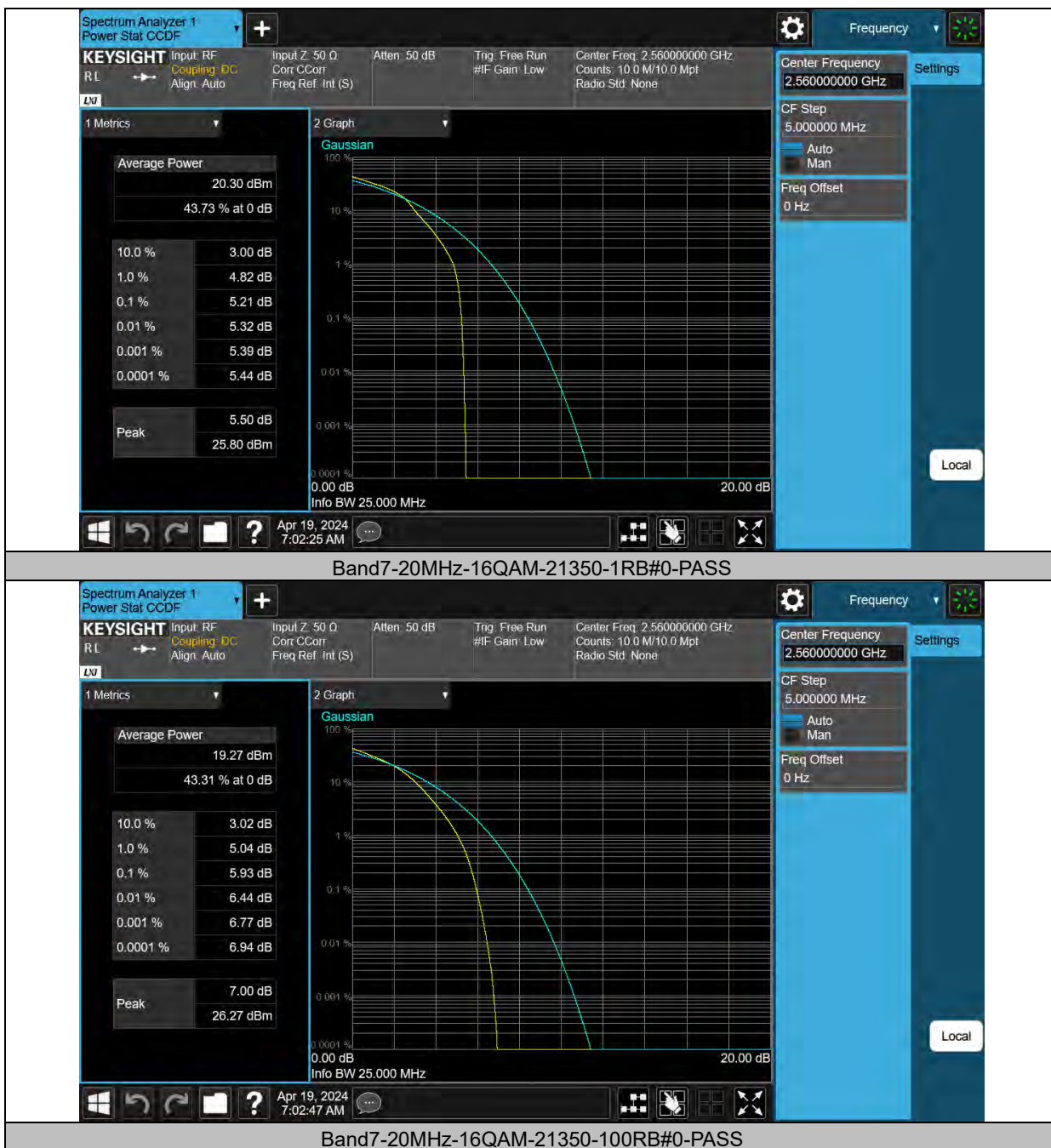












26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5038	5.016	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5118	5.011	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5125	4.989	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5100	5.008	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5102	5.040	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5095	5.006	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9529	9.847	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9768	9.863	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9868	9.789	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9609	9.890	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9737	9.907	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9885	9.825	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.417	14.72	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.455	14.65	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.457	14.72	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.403	14.62	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.459	14.76	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.473	14.67	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.847	19.31	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.945	19.54	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.882	19.47	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.837	19.50	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.952	19.52	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.880	19.49	PASS

Test Graphs

