

Appendix for SRD

Product Name: bitbox radio module

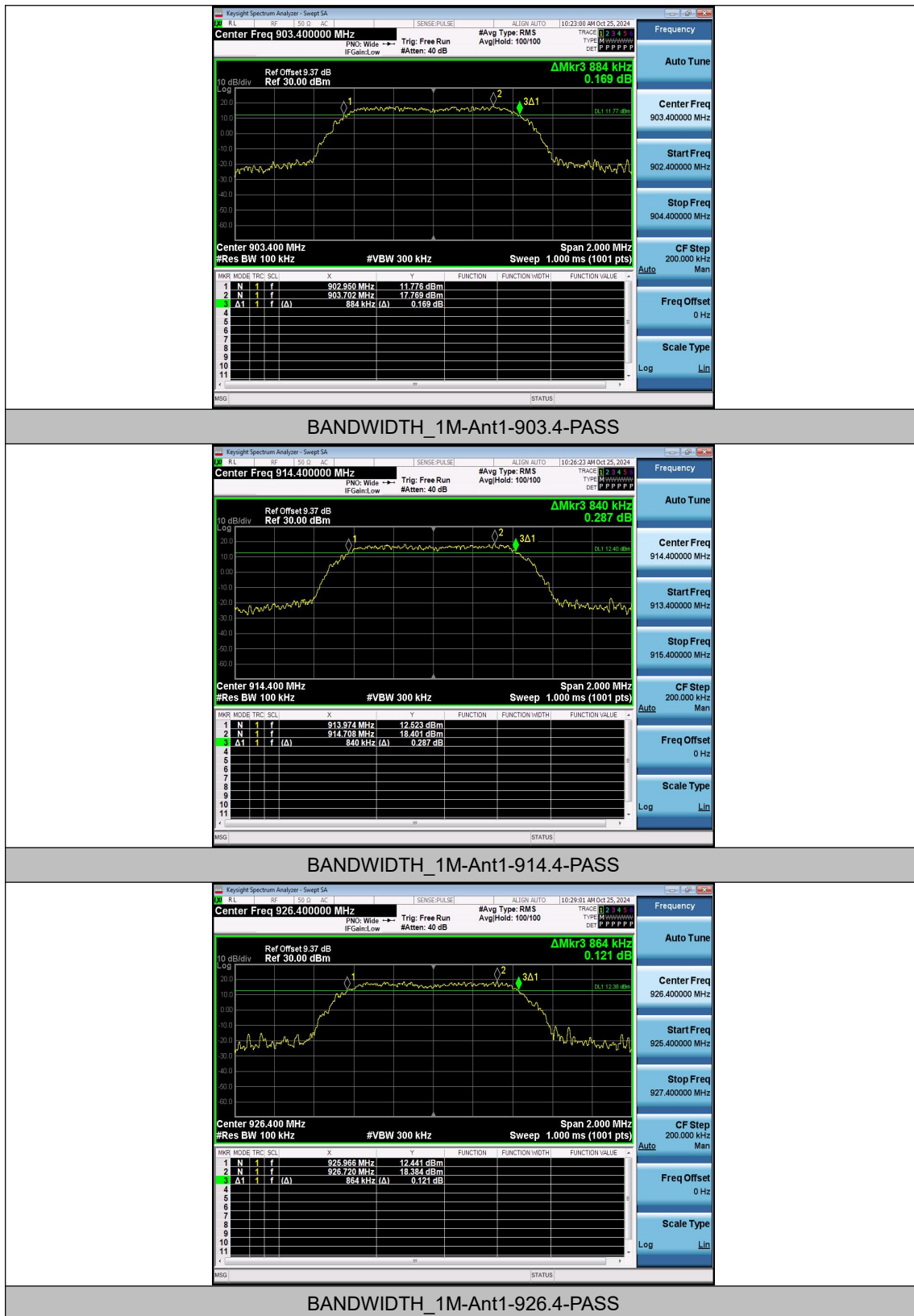
Model No: BP.BBR.V1.915

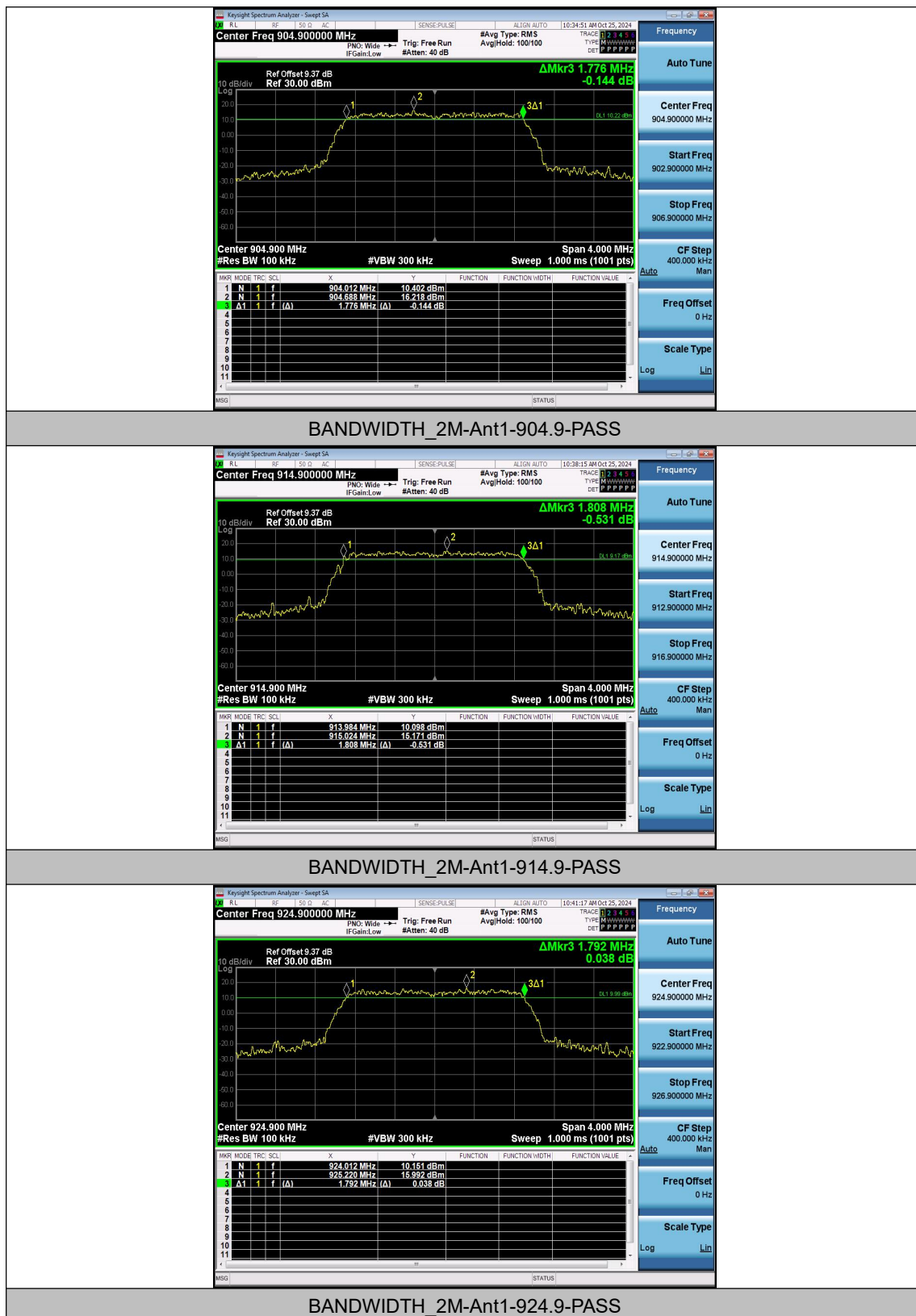
Appendix A: DTS Bandwidth

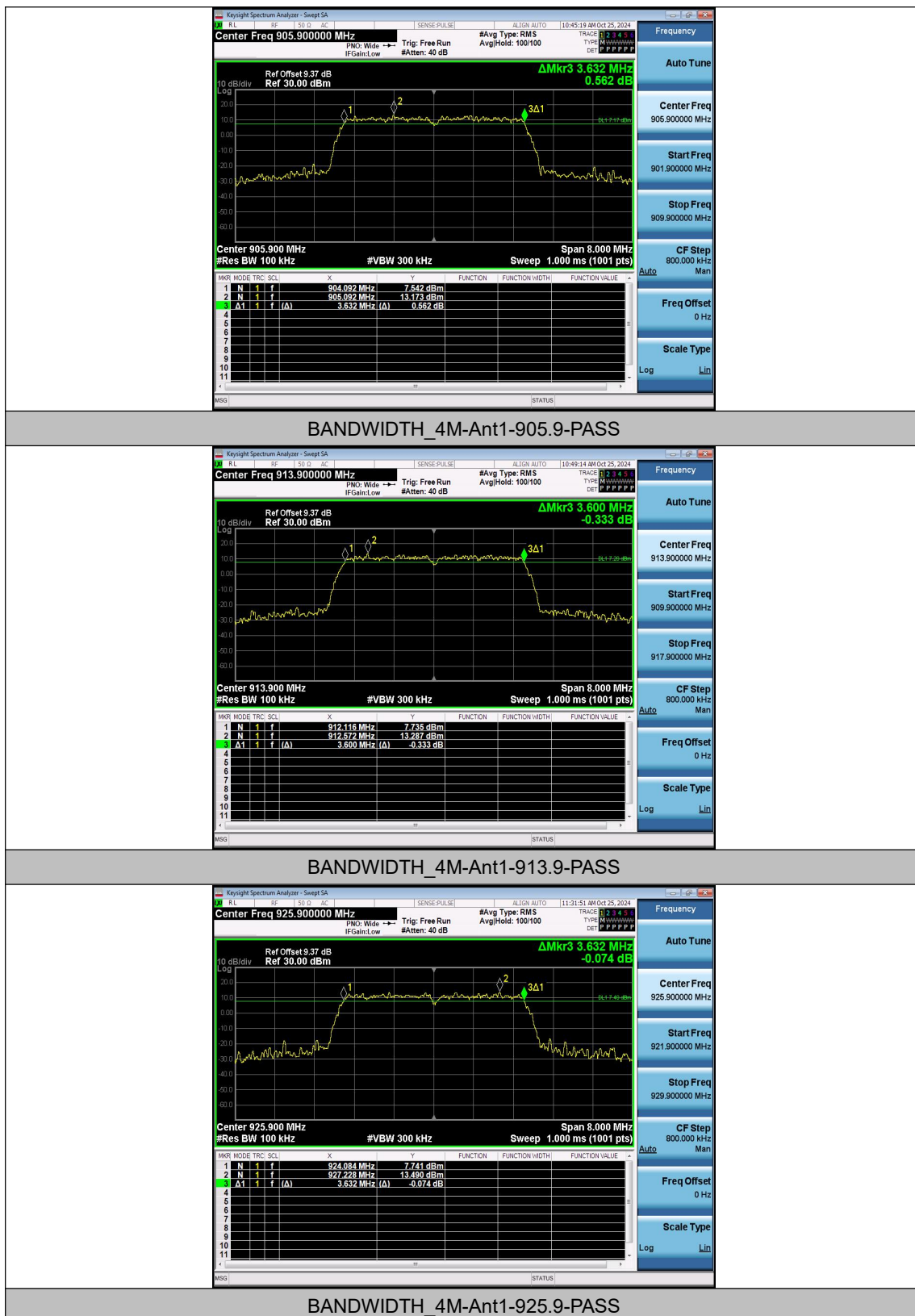
Test Result

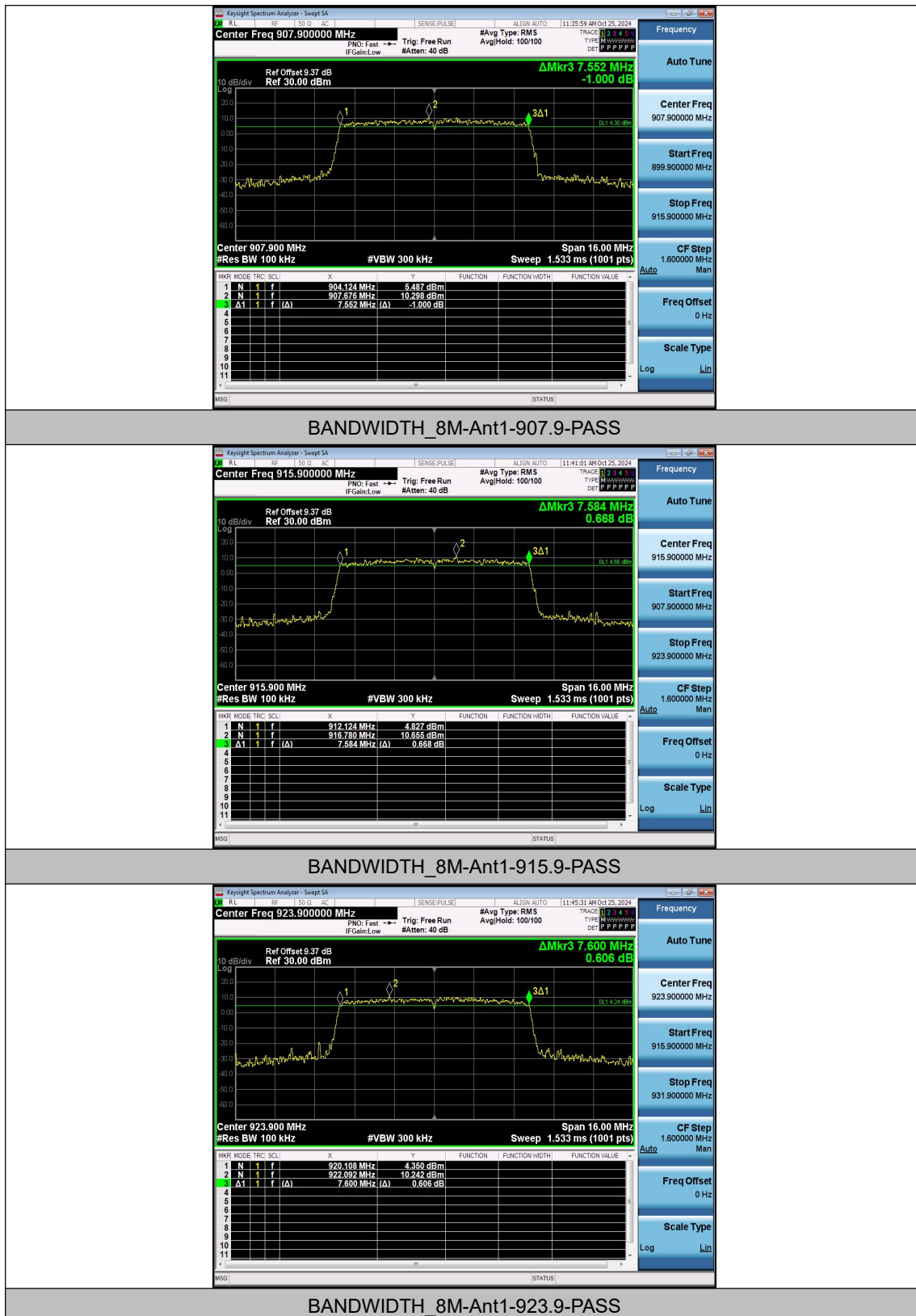
TestMode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
BANDWIDTH_1M	Ant1	903.4	0.884	902.950	903.834	0.5	PASS
BANDWIDTH_1M	Ant1	914.4	0.840	913.974	914.814	0.5	PASS
BANDWIDTH_1M	Ant1	926.4	0.864	925.966	926.830	0.5	PASS
BANDWIDTH_2M	Ant1	904.9	1.776	904.012	905.788	0.5	PASS
BANDWIDTH_2M	Ant1	914.9	1.808	913.984	915.792	0.5	PASS
BANDWIDTH_2M	Ant1	924.9	1.792	924.012	925.804	0.5	PASS
BANDWIDTH_4M	Ant1	905.9	3.632	904.092	907.724	0.5	PASS
BANDWIDTH_4M	Ant1	913.9	3.600	912.116	915.716	0.5	PASS
BANDWIDTH_4M	Ant1	925.9	3.632	924.084	927.716	0.5	PASS
BANDWIDTH_8M	Ant1	907.9	7.552	904.124	911.676	0.5	PASS
BANDWIDTH_8M	Ant1	915.9	7.584	912.124	919.708	0.5	PASS
BANDWIDTH_8M	Ant1	923.9	7.600	920.108	927.708	0.5	PASS

Test Graphs







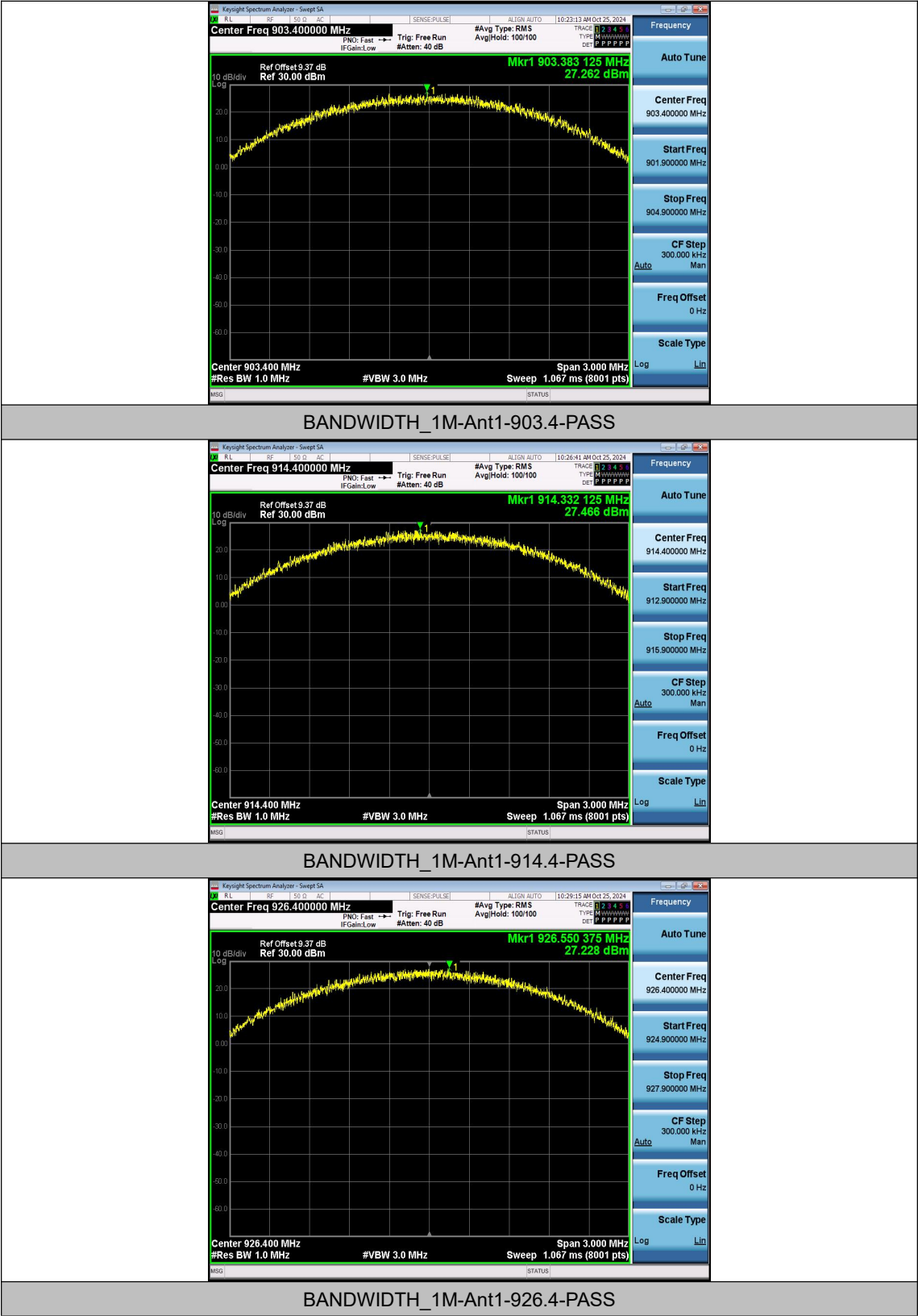


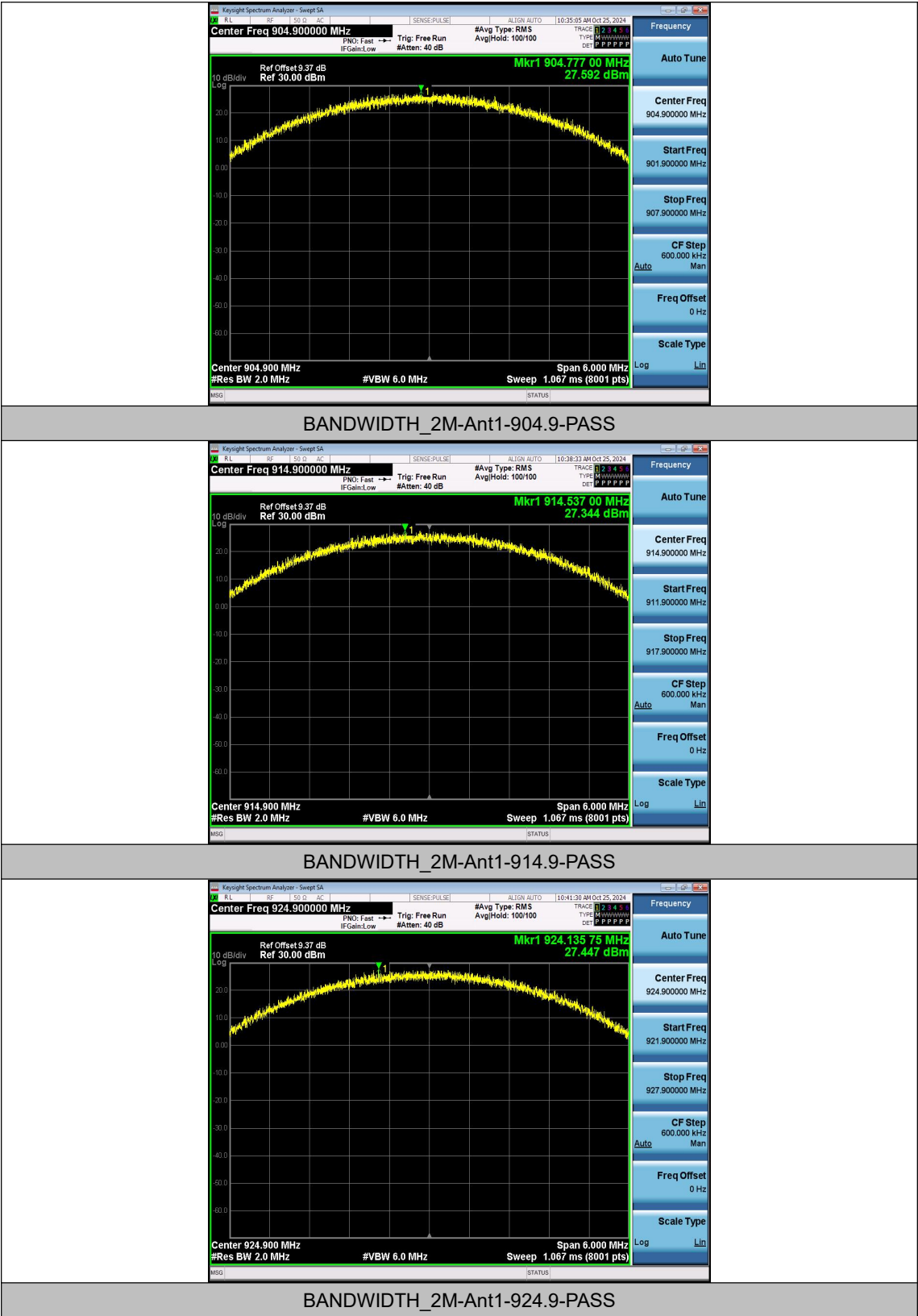
Appendix B: Maximum conducted output power

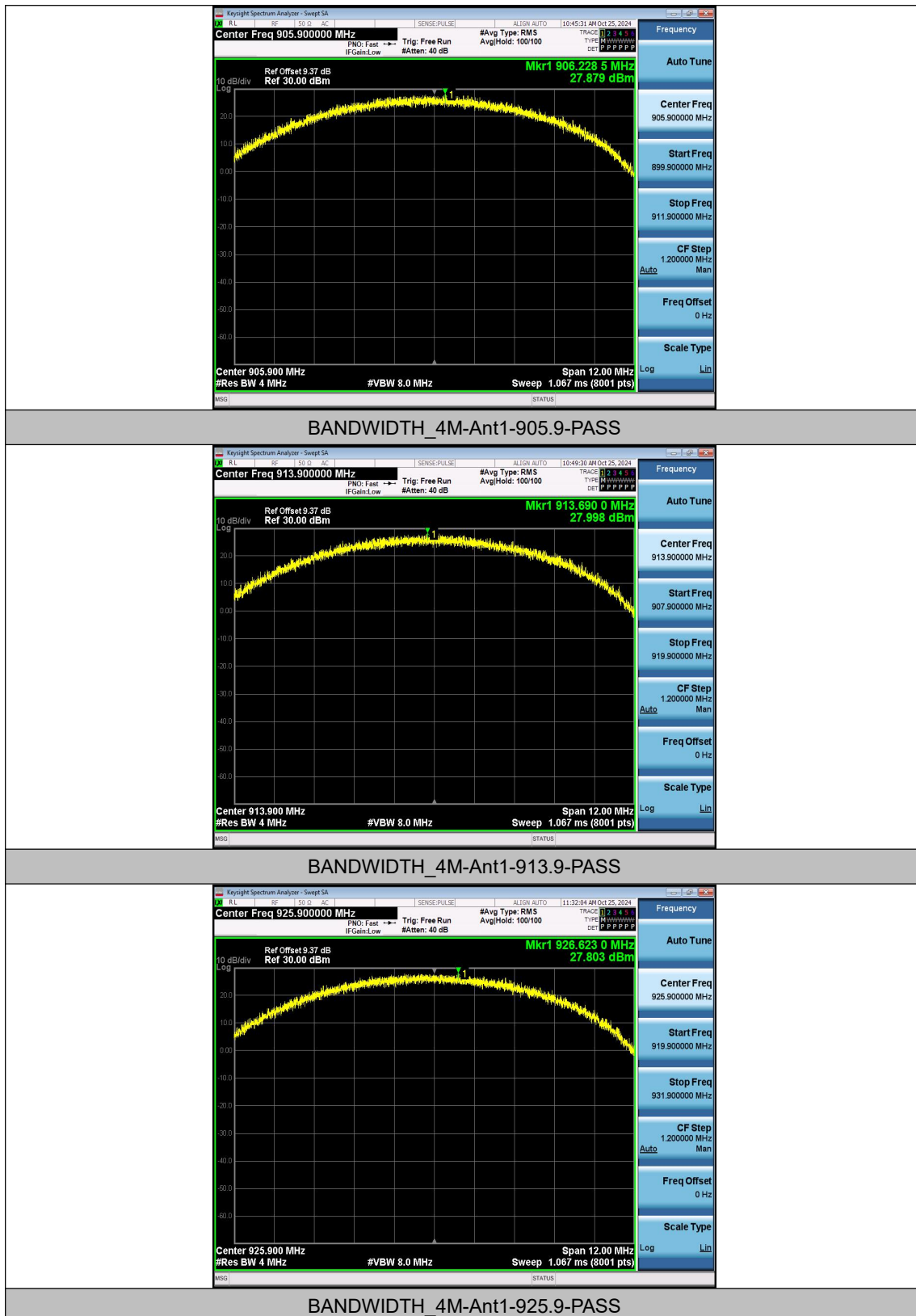
Test Result

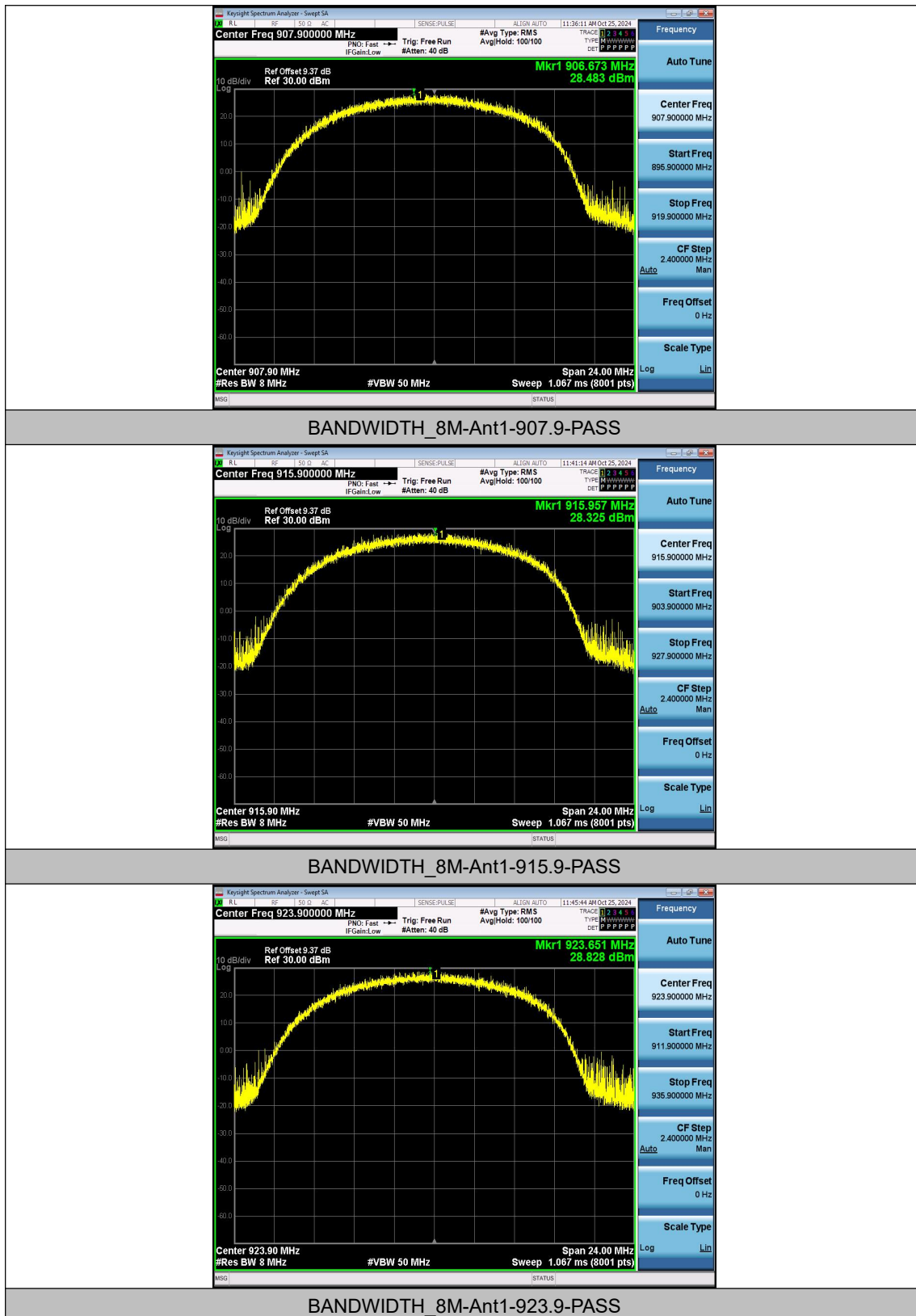
TestMode	Antenna	Frequency [MHz]	Power [dBm]	Limit [dBm]	Verdict
BANDWIDTH_1M	Ant1	903.4	27.26	≤30	PASS
BANDWIDTH_1M	Ant1	914.4	27.47	≤30	PASS
BANDWIDTH_1M	Ant1	926.4	27.23	≤30	PASS
BANDWIDTH_2M	Ant1	904.9	27.59	≤30	PASS
BANDWIDTH_2M	Ant1	914.9	27.34	≤30	PASS
BANDWIDTH_2M	Ant1	924.9	27.45	≤30	PASS
BANDWIDTH_4M	Ant1	905.9	27.88	≤30	PASS
BANDWIDTH_4M	Ant1	913.9	28.00	≤30	PASS
BANDWIDTH_4M	Ant1	925.9	27.80	≤30	PASS
BANDWIDTH_8M	Ant1	907.9	28.48	≤30	PASS
BANDWIDTH_8M	Ant1	915.9	28.33	≤30	PASS
BANDWIDTH_8M	Ant1	923.9	28.83	≤30	PASS

Test Graphs







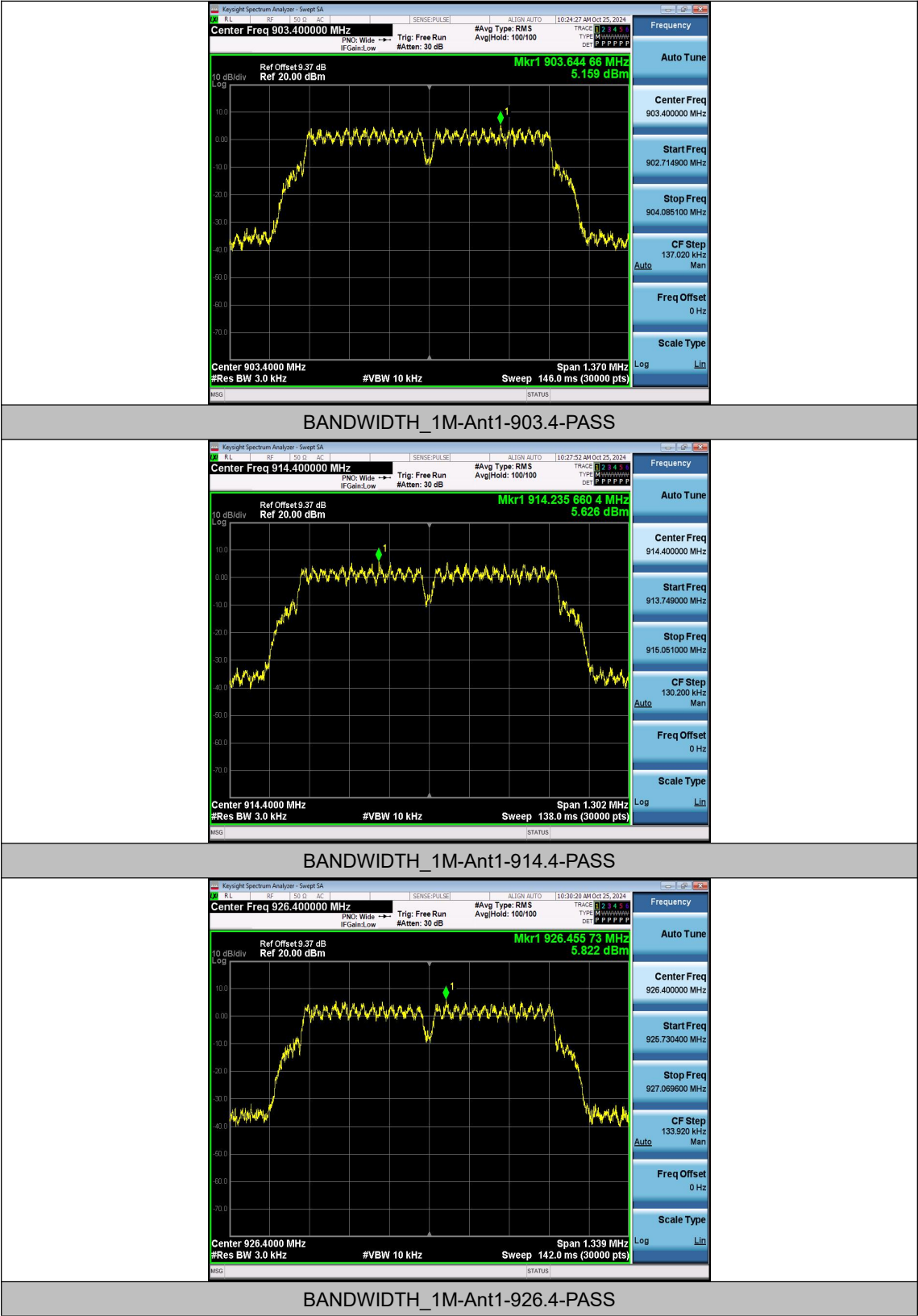


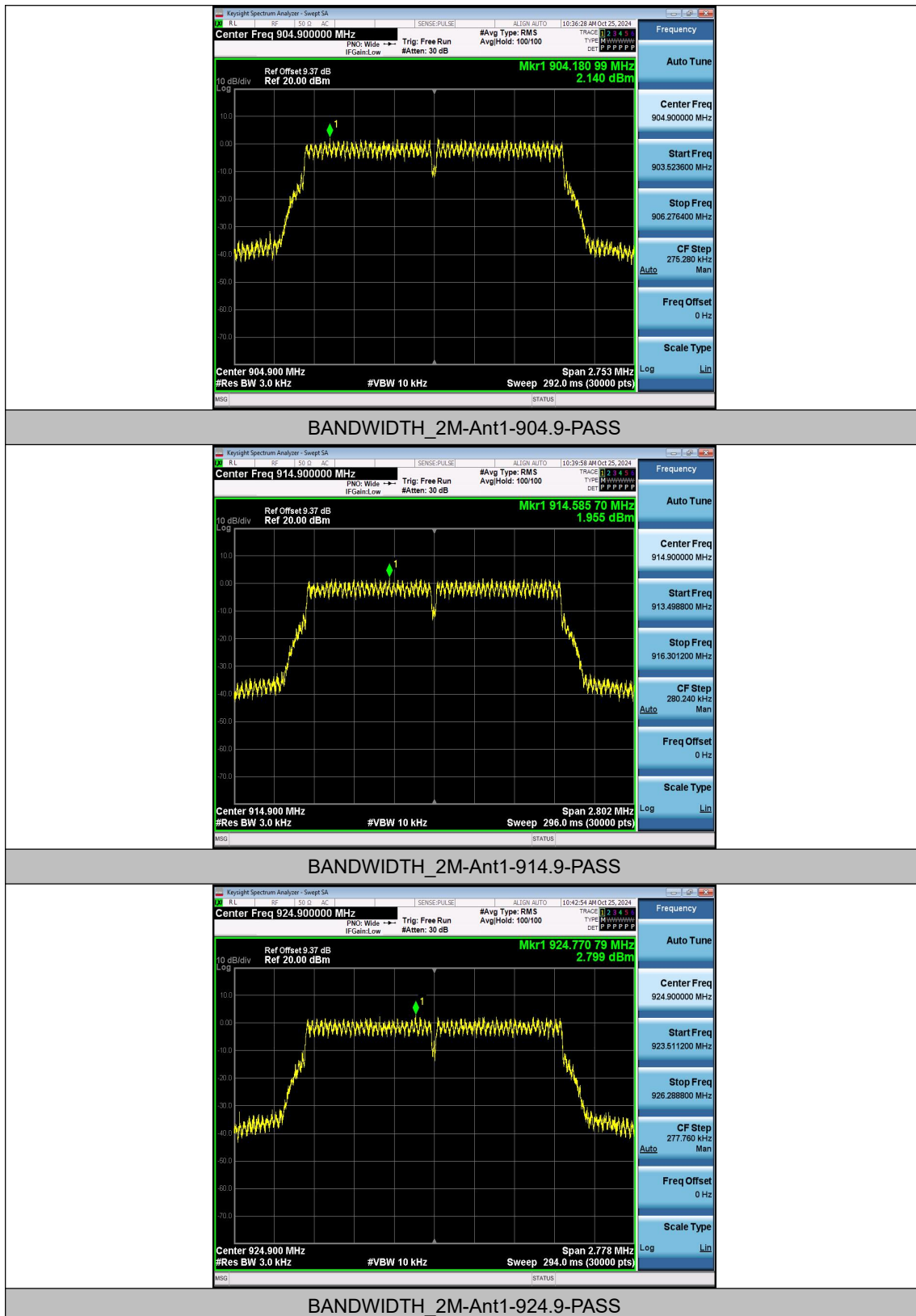
Appendix C: Maximum power spectral density

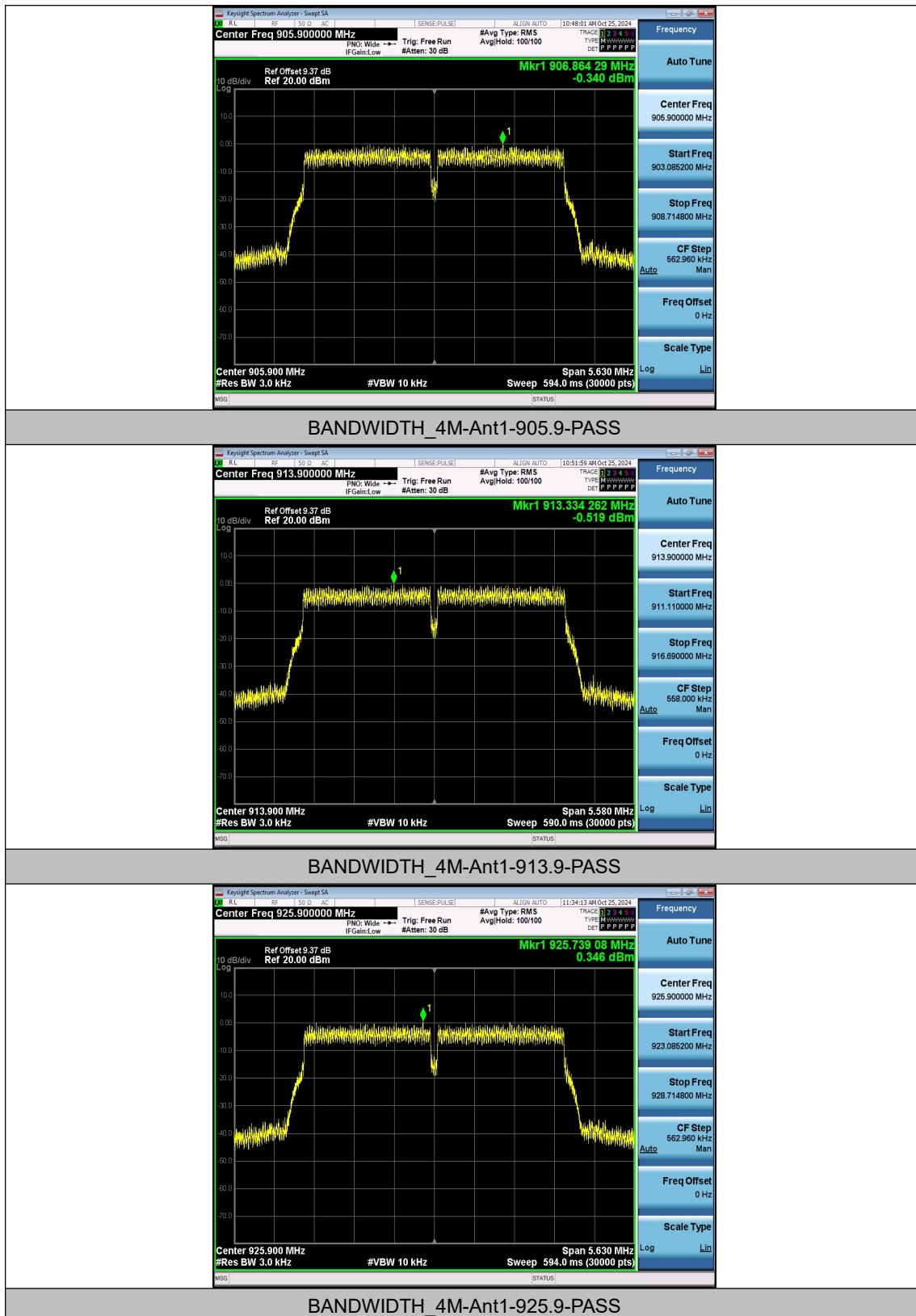
Test Result

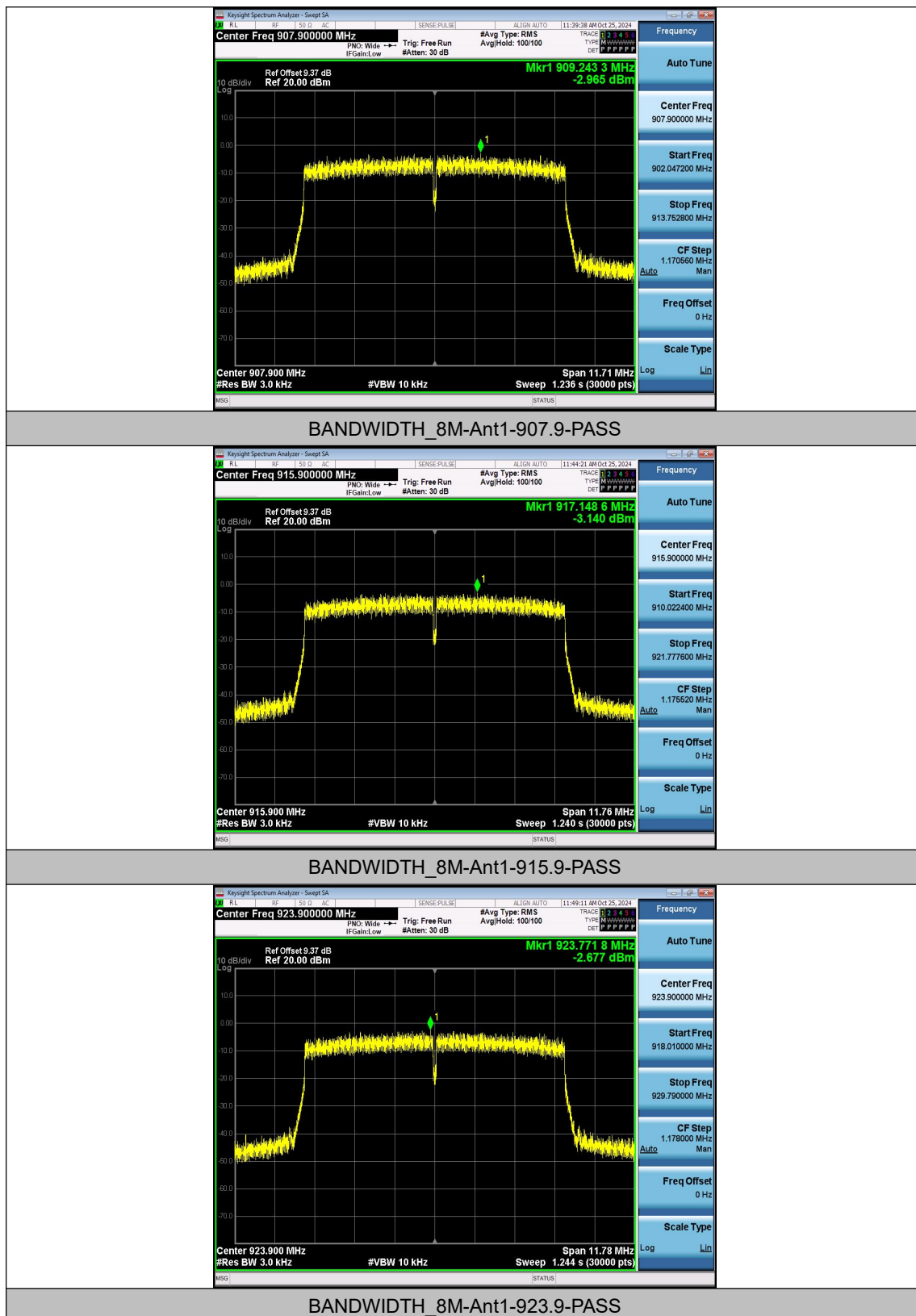
TestMode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
BANDWIDTH_1M	Ant1	903.4	5.16	≤8.00	PASS
BANDWIDTH_1M	Ant1	914.4	5.63	≤8.00	PASS
BANDWIDTH_1M	Ant1	926.4	5.82	≤8.00	PASS
BANDWIDTH_2M	Ant1	904.9	2.14	≤8.00	PASS
BANDWIDTH_2M	Ant1	914.9	1.96	≤8.00	PASS
BANDWIDTH_2M	Ant1	924.9	2.80	≤8.00	PASS
BANDWIDTH_4M	Ant1	905.9	-0.34	≤8.00	PASS
BANDWIDTH_4M	Ant1	913.9	-0.52	≤8.00	PASS
BANDWIDTH_4M	Ant1	925.9	0.35	≤8.00	PASS
BANDWIDTH_8M	Ant1	907.9	-2.97	≤8.00	PASS
BANDWIDTH_8M	Ant1	915.9	-3.14	≤8.00	PASS
BANDWIDTH_8M	Ant1	923.9	-2.68	≤8.00	PASS

Test Graphs









Appendix D: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BANDWIDTH_1M	Ant1	Low	903.4	17.58	-28.01	≤-2.42	PASS
BANDWIDTH_1M	Ant1	High	926.4	18.26	-22.47	≤-1.74	PASS
BANDWIDTH_2M	Ant1	Low	904.9	15.96	-34.42	≤-4.04	PASS
BANDWIDTH_2M	Ant1	High	924.9	15.81	-29.75	≤-4.19	PASS
BANDWIDTH_4M	Ant1	Low	905.9	12.60	-26.98	≤-7.4	PASS
BANDWIDTH_4M	Ant1	High	925.9	13.58	-16.26	≤-6.42	PASS
BANDWIDTH_8M	Ant1	Low	907.9	10.32	-28.58	≤-9.68	PASS
BANDWIDTH_8M	Ant1	High	923.9	11.55	-18.19	≤-8.45	PASS

Test Graphs

