

TEST REPORT

Report No.: MTi251015011-0102E3

6.12 Appendix B: Duty Cycle

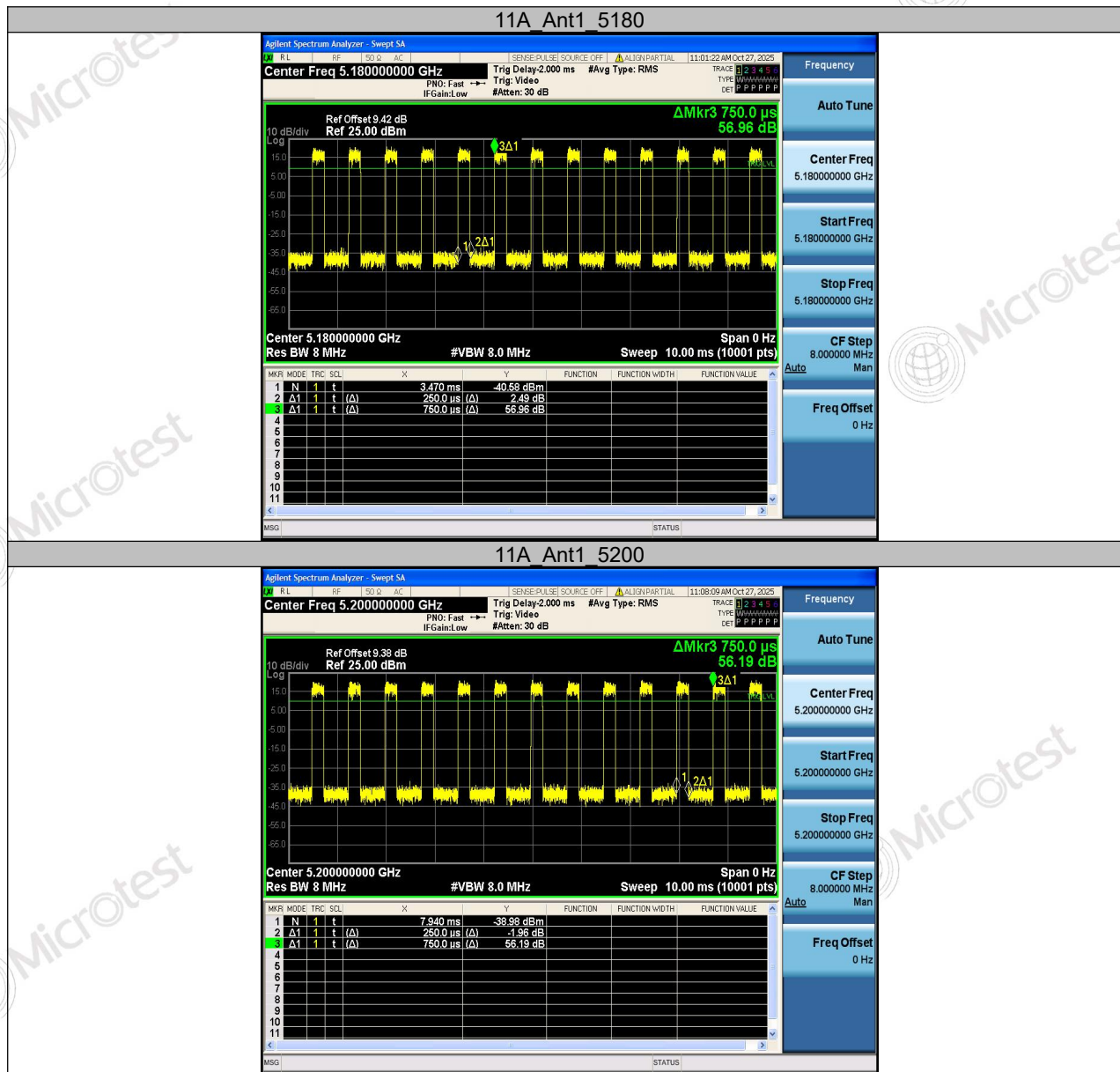
6.12.1 Test Result

Test Mode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.25	0.75	33.33
		5200	0.25	0.75	33.33
		5240	0.24	0.75	32.00
		5745	0.25	0.75	33.33
		5785	0.25	0.75	33.33
		5825	0.24	0.75	32.00

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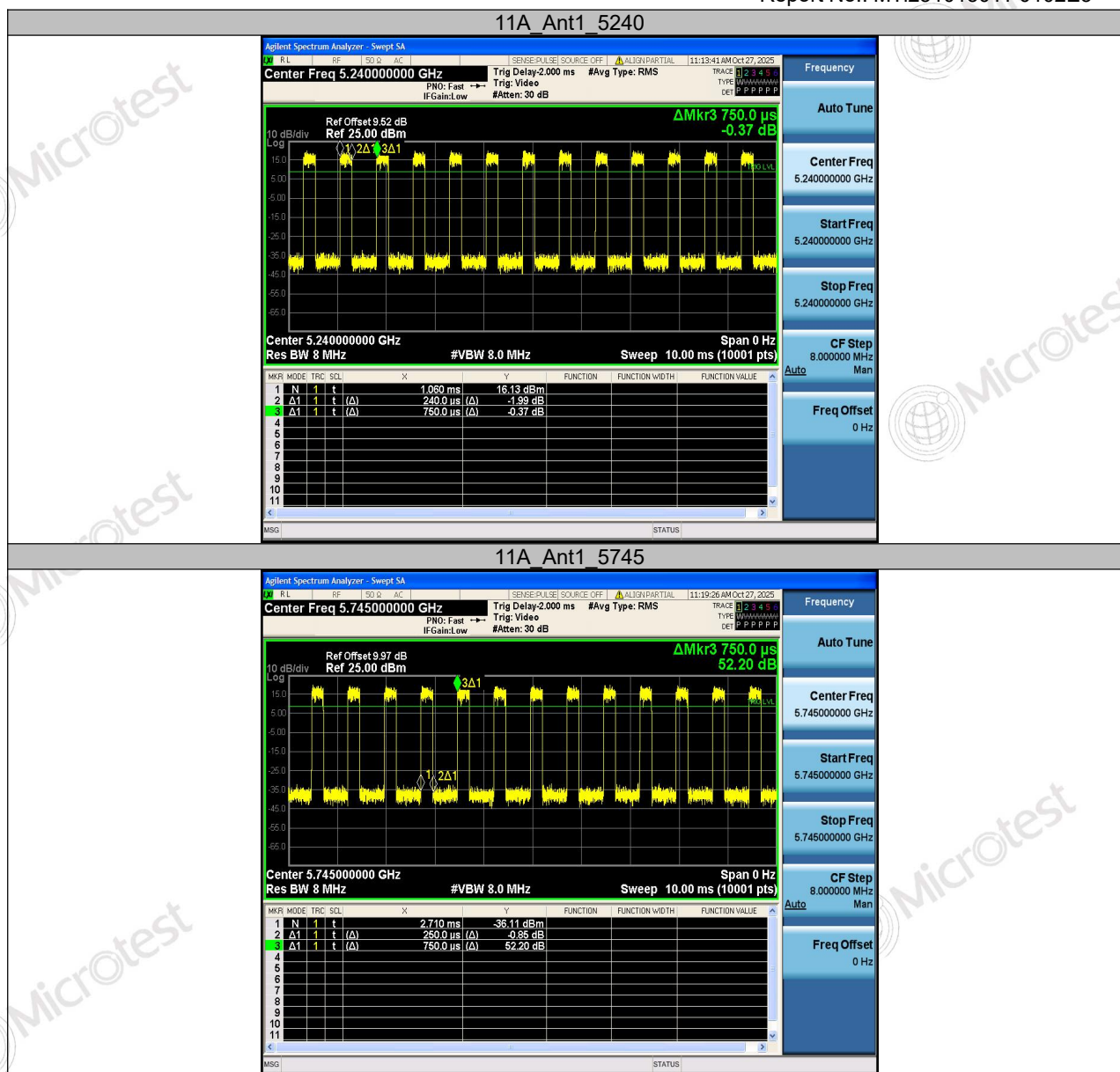
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6.12.2 Test Graphs



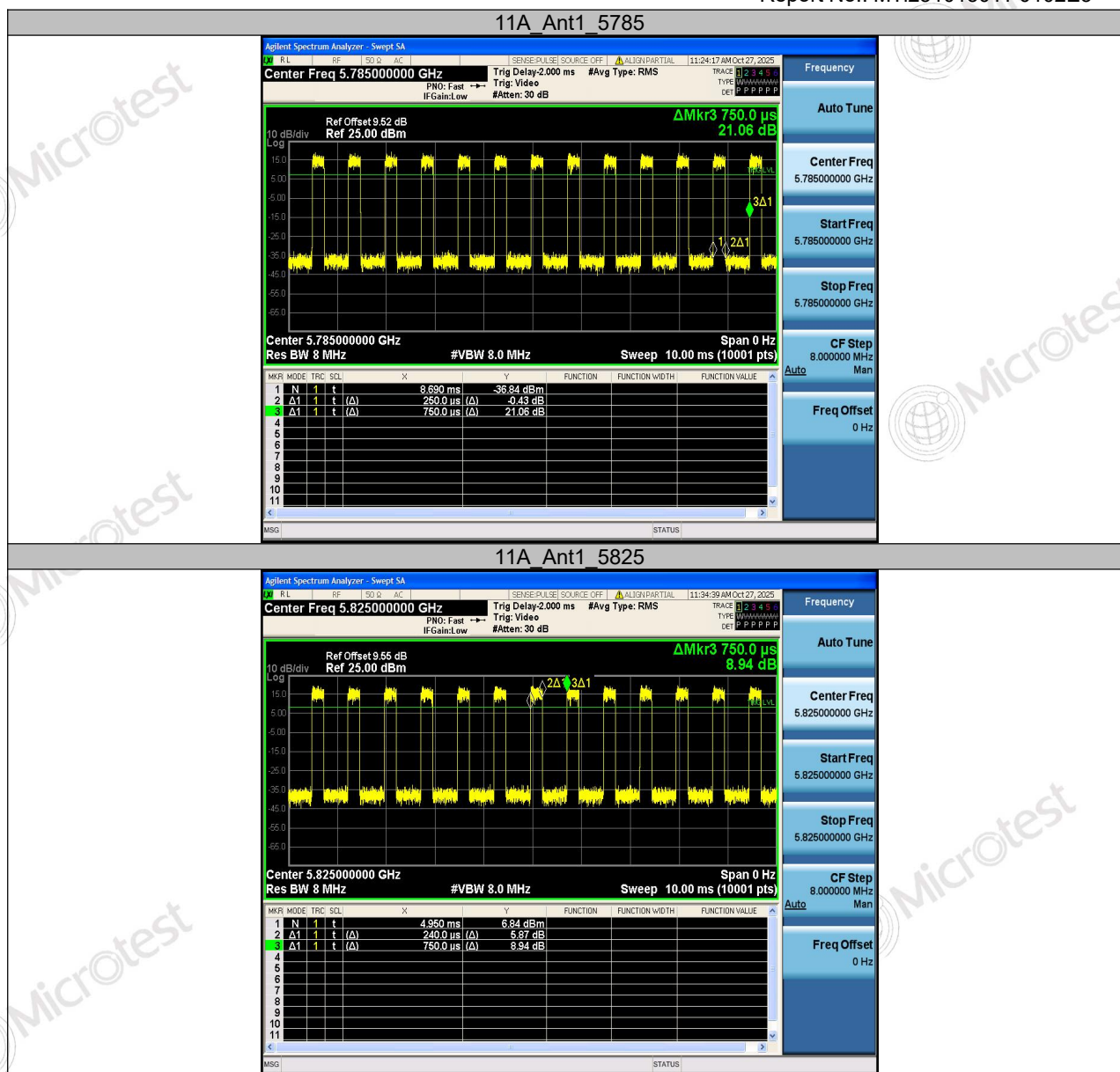
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6.13 Appendix C: Maximum conducted output power

6.13.1 Test Result Channel Power

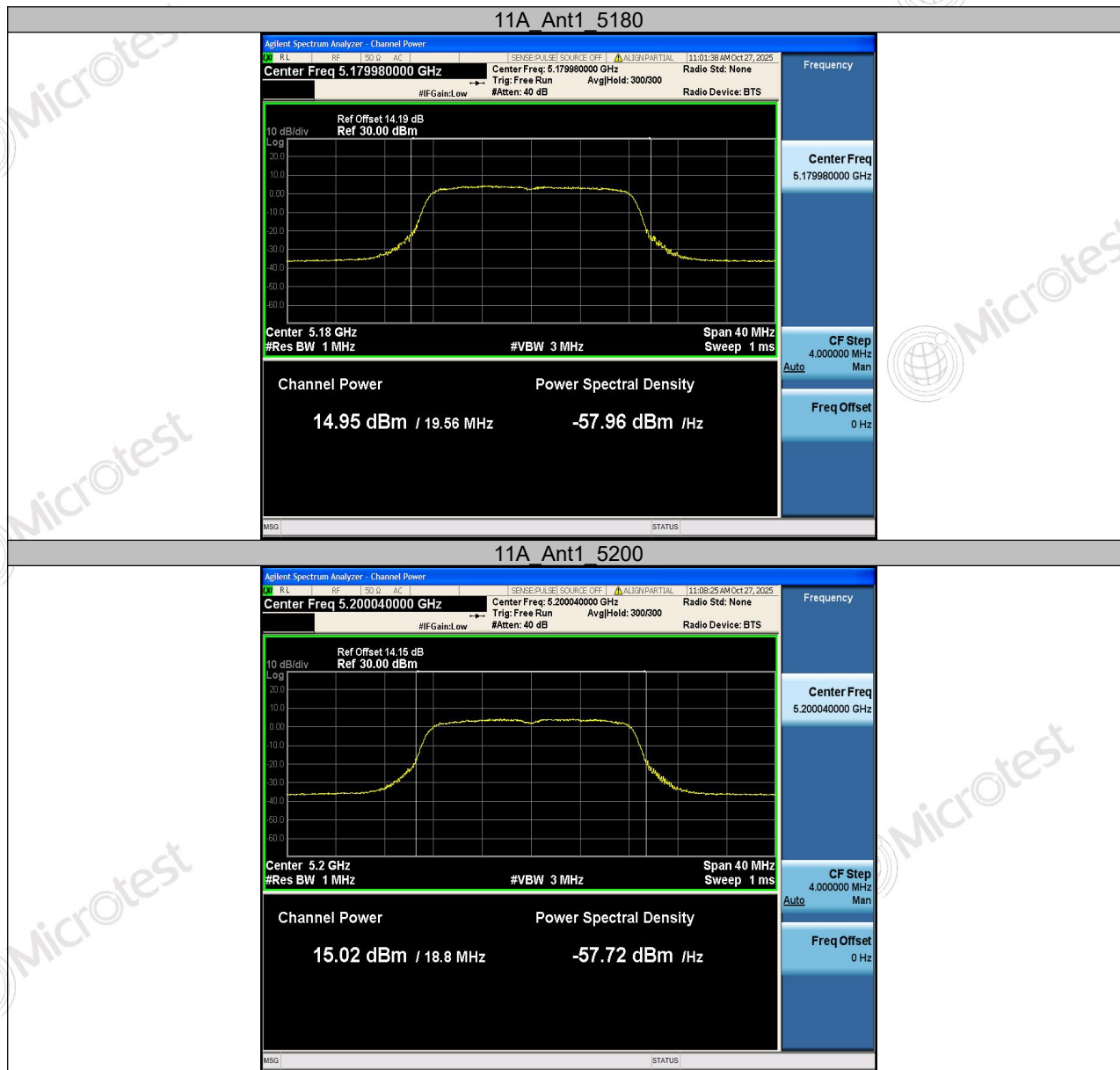
Test Mode	Antenna	Frequency[MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11A	Ant1	5180	10.18	33.33	4.77	14.95	≤23.98	2.00	16.95	PASS
		5200	10.25	33.33	4.77	15.02	≤23.98	2.00	17.02	PASS
		5240	9.59	32.00	4.95	14.54	≤23.98	2.00	16.54	PASS
		5745	8.94	33.33	4.77	13.71	≤30.00	2.00	15.71	PASS
		5785	7.54	33.33	4.77	12.31	≤30.00	2.00	14.31	PASS
		5825	8.68	32.00	4.95	13.63	≤30.00	2.00	15.63	PASS

Note: The Duty Cycle Factor is compensated in the graph.

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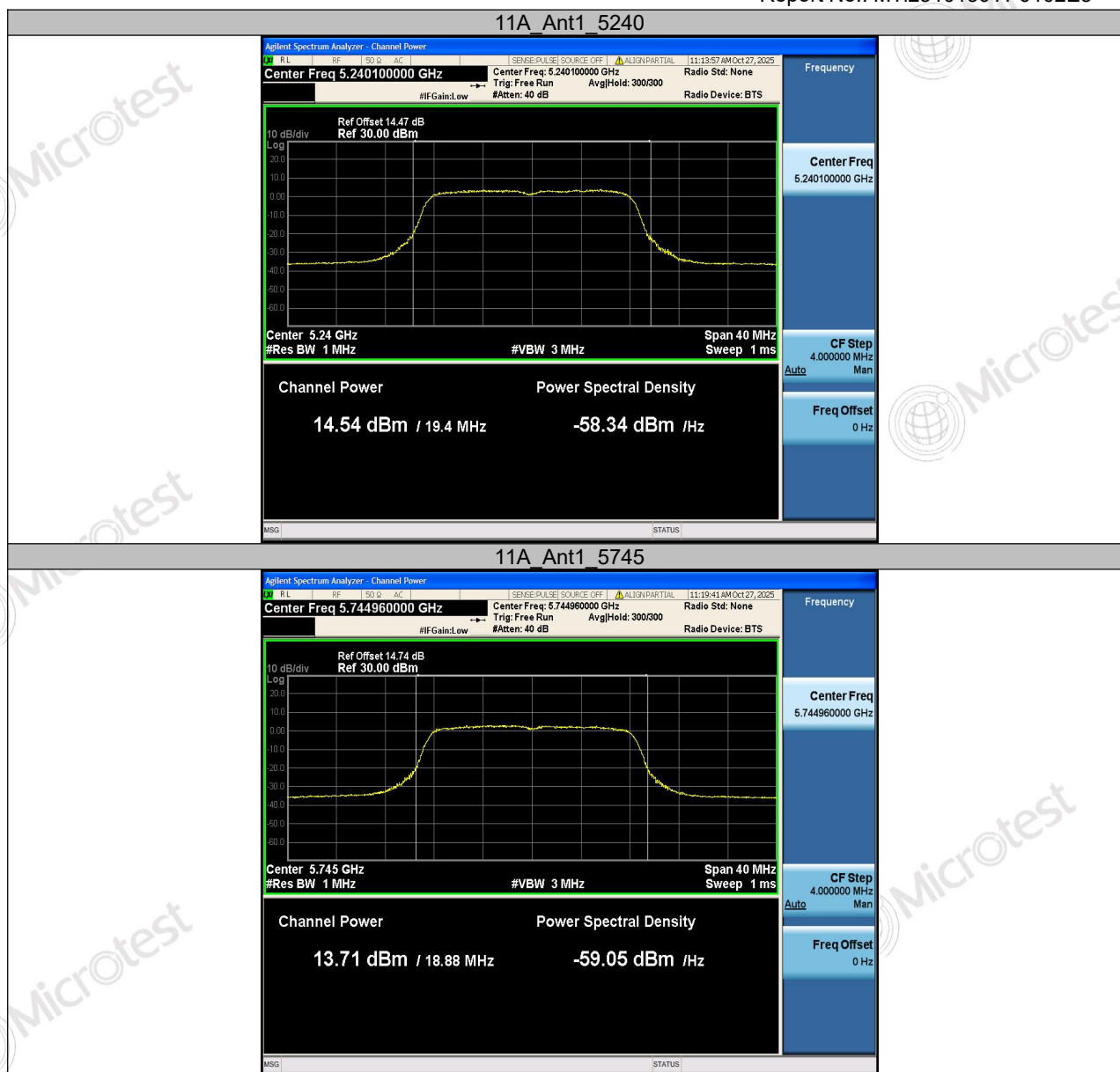
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6.13.2 Test Graphs Channel Power



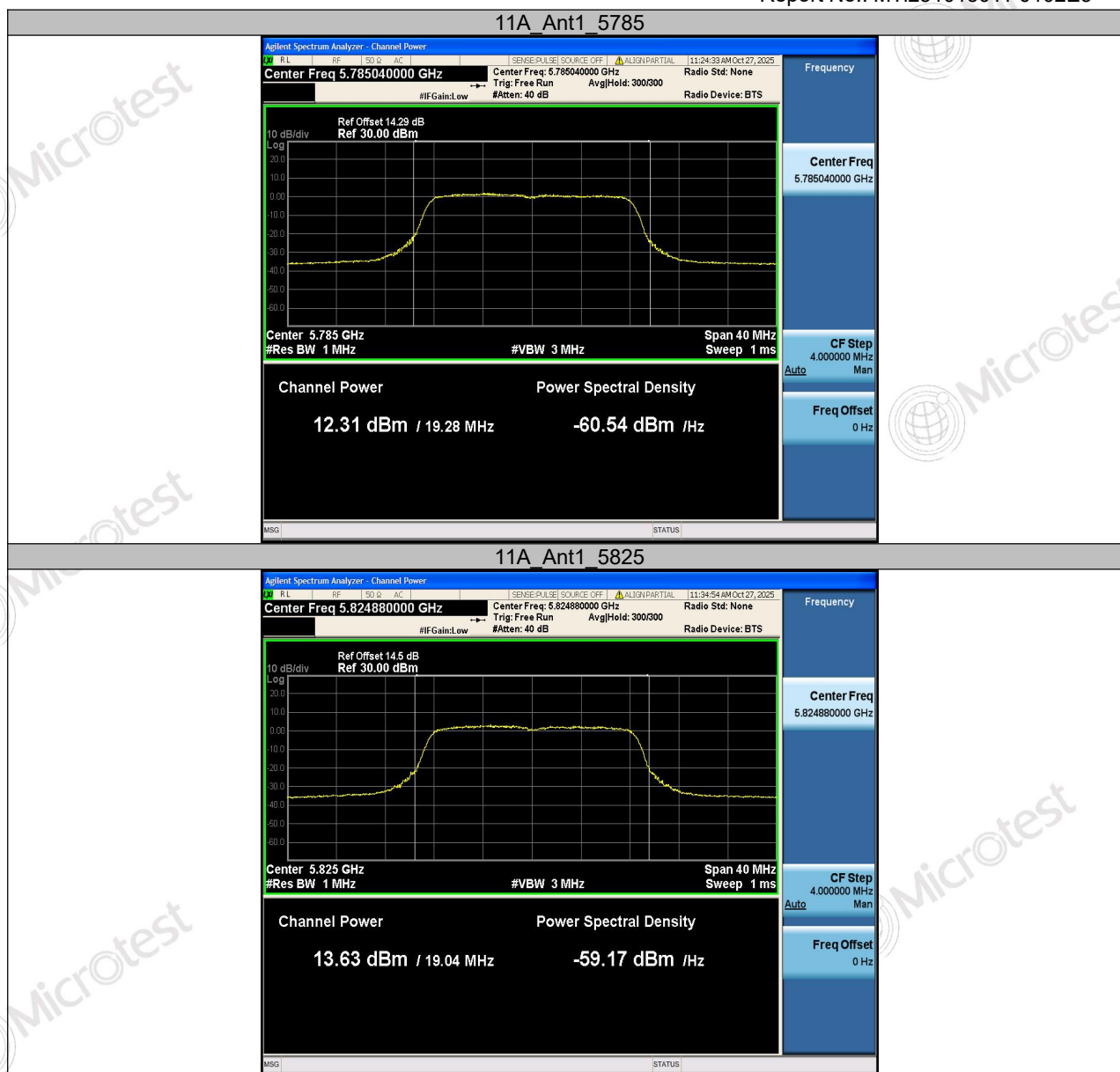
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6.14 Appendix D: Maximum power spectral density

6.14.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6.16	≤11.00	PASS
		5200	6.36	≤11.00	PASS
		5240	5.76	≤11.00	PASS
		5745	1.66	≤30.00	PASS
		5785	0.72	≤30.00	PASS
		5825	1.89	≤30.00	PASS

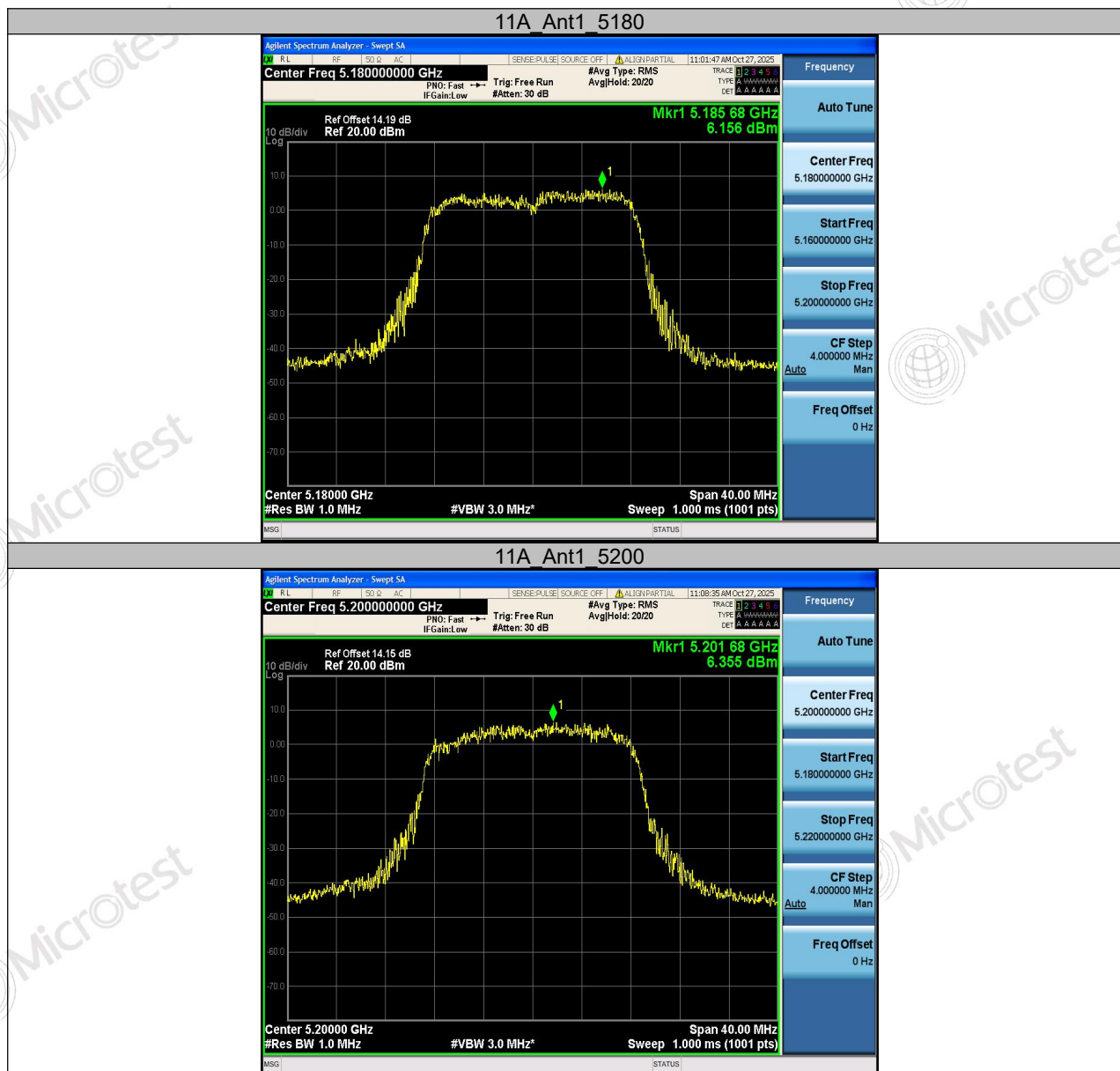
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

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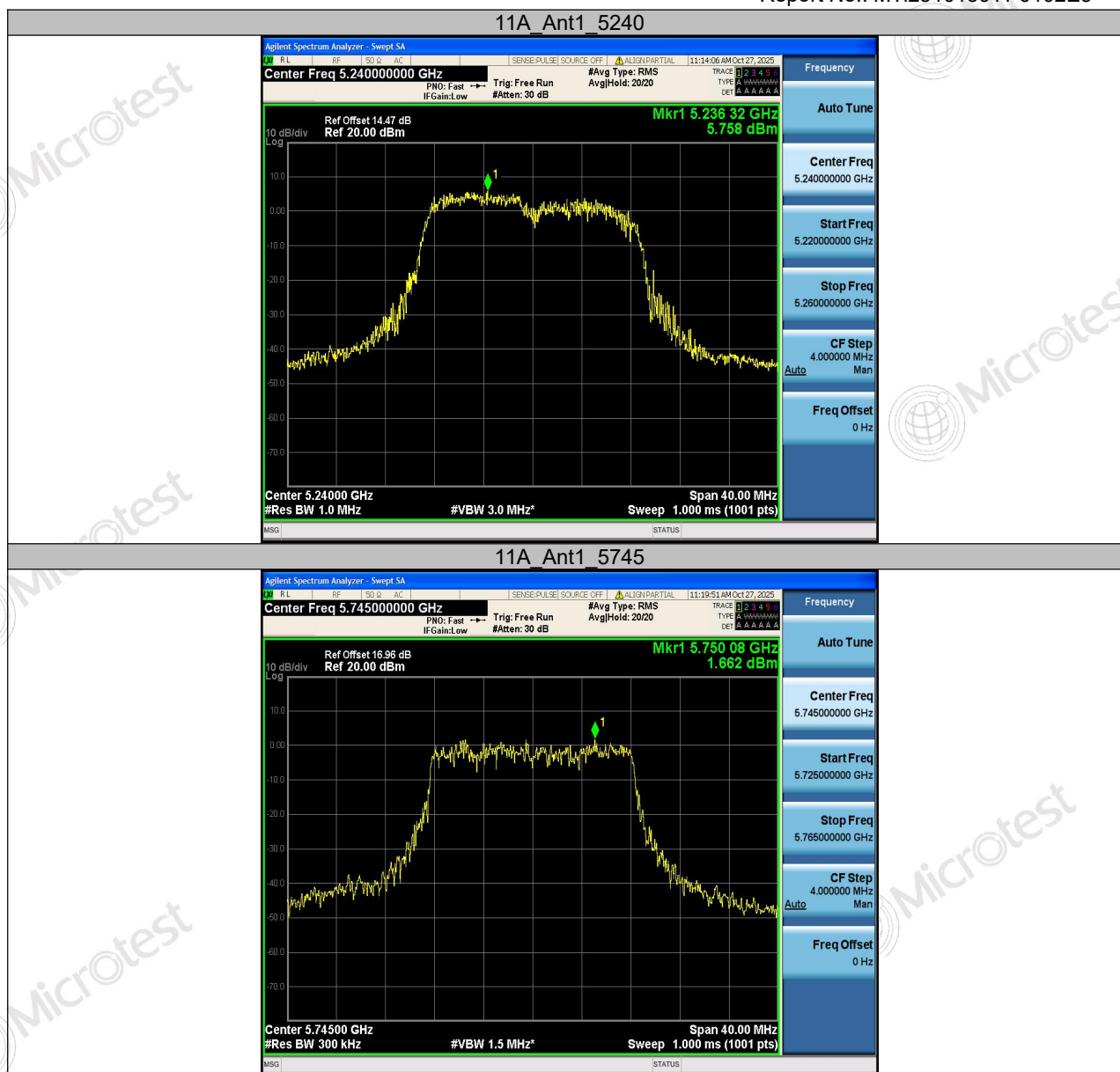
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6.14.2 Test Graphs



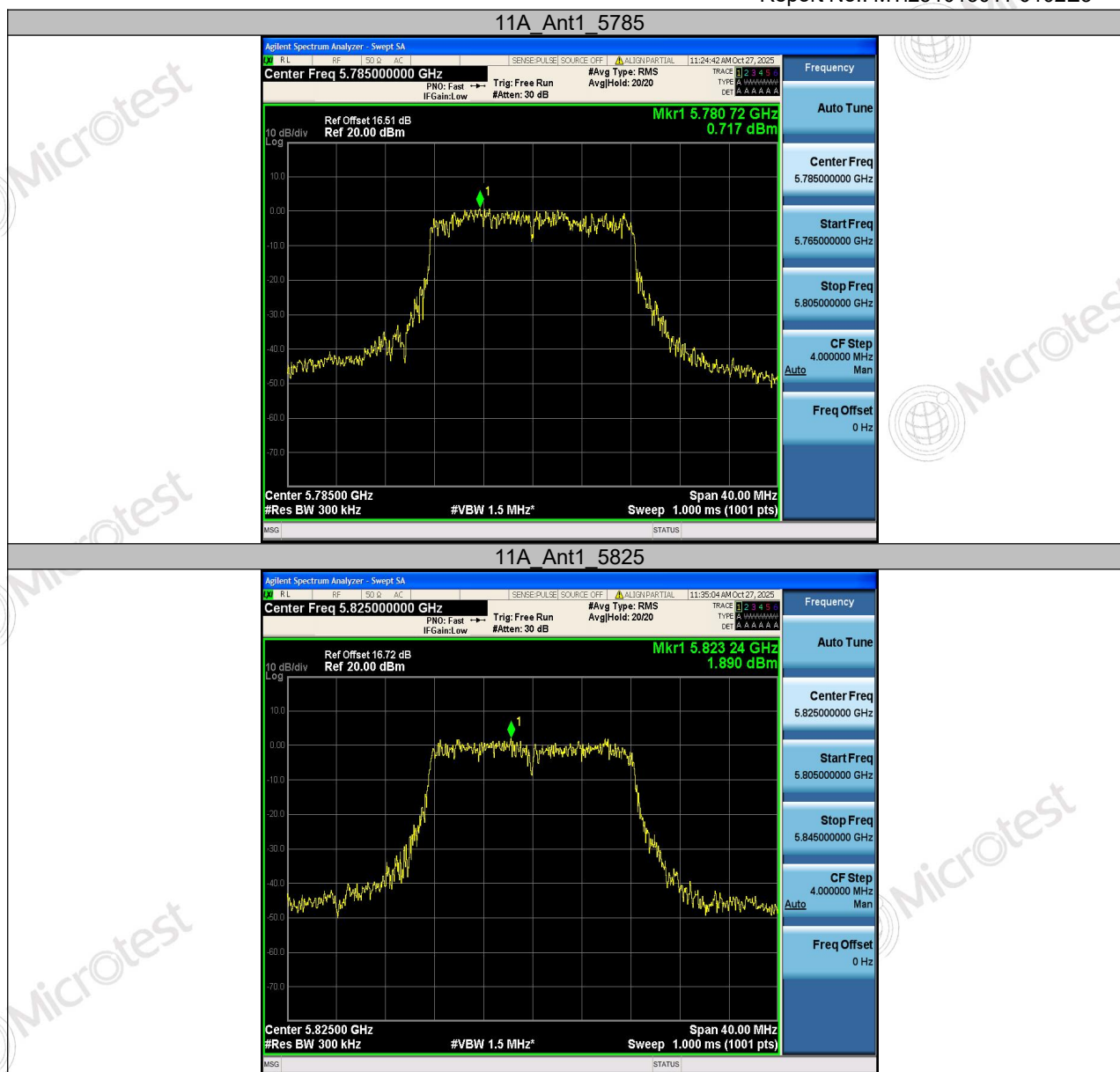
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6.15 Appendix G: Frequency Stability

6.15.1 Test Result

Voltage								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-80000.00	-15.444015	20	PASS
			LV	NT	-60000.00	-11.583012	20	PASS
			HV	NT	-80000.00	-15.444015	20	PASS
		5200	NV	NT	-100000.00	-19.230769	20	PASS
			LV	NT	-100000.00	-19.230769	20	PASS
			HV	NT	-60000.00	-11.538462	20	PASS
		5240	NV	NT	-60000.00	-11.450382	20	PASS
			LV	NT	-80000.00	-15.267176	20	PASS
			HV	NT	-80000.00	-15.267176	20	PASS
		5745	NV	NT	-100000.00	-17.406440	20	PASS
			LV	NT	-100000.00	-17.406440	20	PASS
			HV	NT	-100000.00	-17.406440	20	PASS

Temperature								
TestMode	Antenna	Frequency [MHz]	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-60000.00	-11.583012	20	PASS
			NV	-20	-100000.00	-19.305019	20	PASS
			NV	-10	-80000.00	-15.444015	20	PASS
			NV	0	-60000.00	-11.583012	20	PASS
			NV	10	-80000.00	-15.444015	20	PASS
			NV	20	-100000.00	-19.305019	20	PASS
			NV	30	-80000.00	-15.444015	20	PASS
			NV	40	-100000.00	-19.305019	20	PASS
		5200	NV	50	-80000.00	-15.444015	20	PASS
			NV	-30	-80000.00	-15.384615	20	PASS
			NV	-20	-100000.00	-19.230769	20	PASS
			NV	-10	-60000.00	-11.538462	20	PASS
			NV	0	-80000.00	-15.384615	20	PASS
			NV	10	-80000.00	-15.384615	20	PASS
			NV	20	-80000.00	-15.384615	20	PASS
			NV	30	-60000.00	-11.538462	20	PASS
		5240	NV	40	-80000.00	-15.384615	20	PASS
			NV	50	-60000.00	-11.538462	20	PASS
			NV	-30	-60000.00	-11.450382	20	PASS
			NV	-20	-60000.00	-11.450382	20	PASS
			NV	-10	-60000.00	-11.450382	20	PASS
			NV	0	-80000.00	-15.267176	20	PASS
			NV	10	-80000.00	-15.267176	20	PASS
			NV	20	-60000.00	-11.450382	20	PASS
		5745	NV	30	-60000.00	-11.450382	20	PASS
			NV	40	-60000.00	-11.450382	20	PASS
			NV	50	-60000.00	-11.450382	20	PASS
			NV	-30	-100000.00	-17.406440	20	PASS
			NV	-20	-100000.00	-17.406440	20	PASS
			NV	-10	-80000.00	-13.925152	20	PASS

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			NV	20	-100000.00	-17.406440	20	PASS
			NV	30	-100000.00	-17.406440	20	PASS
			NV	40	-100000.00	-17.406440	20	PASS
			NV	50	-100000.00	-17.406440	20	PASS
		5785	NV	-30	-100000.00	-17.286085	20	PASS
			NV	-20	-100000.00	-17.286085	20	PASS
			NV	-10	-100000.00	-17.286085	20	PASS
			NV	0	-100000.00	-17.286085	20	PASS
			NV	10	-100000.00	-17.286085	20	PASS
			NV	20	-100000.00	-17.286085	20	PASS
			NV	30	-100000.00	-17.286085	20	PASS
			NV	40	-100000.00	-17.286085	20	PASS
			NV	50	-80000.00	-13.828868	20	PASS
		5825	NV	-30	-100000.00	-17.167382	20	PASS
			NV	-20	-100000.00	-17.167382	20	PASS
			NV	-10	-100000.00	-17.167382	20	PASS
			NV	0	-100000.00	-17.167382	20	PASS
			NV	10	-100000.00	-17.167382	20	PASS
			NV	20	-100000.00	-17.167382	20	PASS
			NV	30	-100000.00	-17.167382	20	PASS
			NV	40	-100000.00	-17.167382	20	PASS
			NV	50	-100000.00	-17.167382	20	PASS

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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

***** END OF REPORT *****