





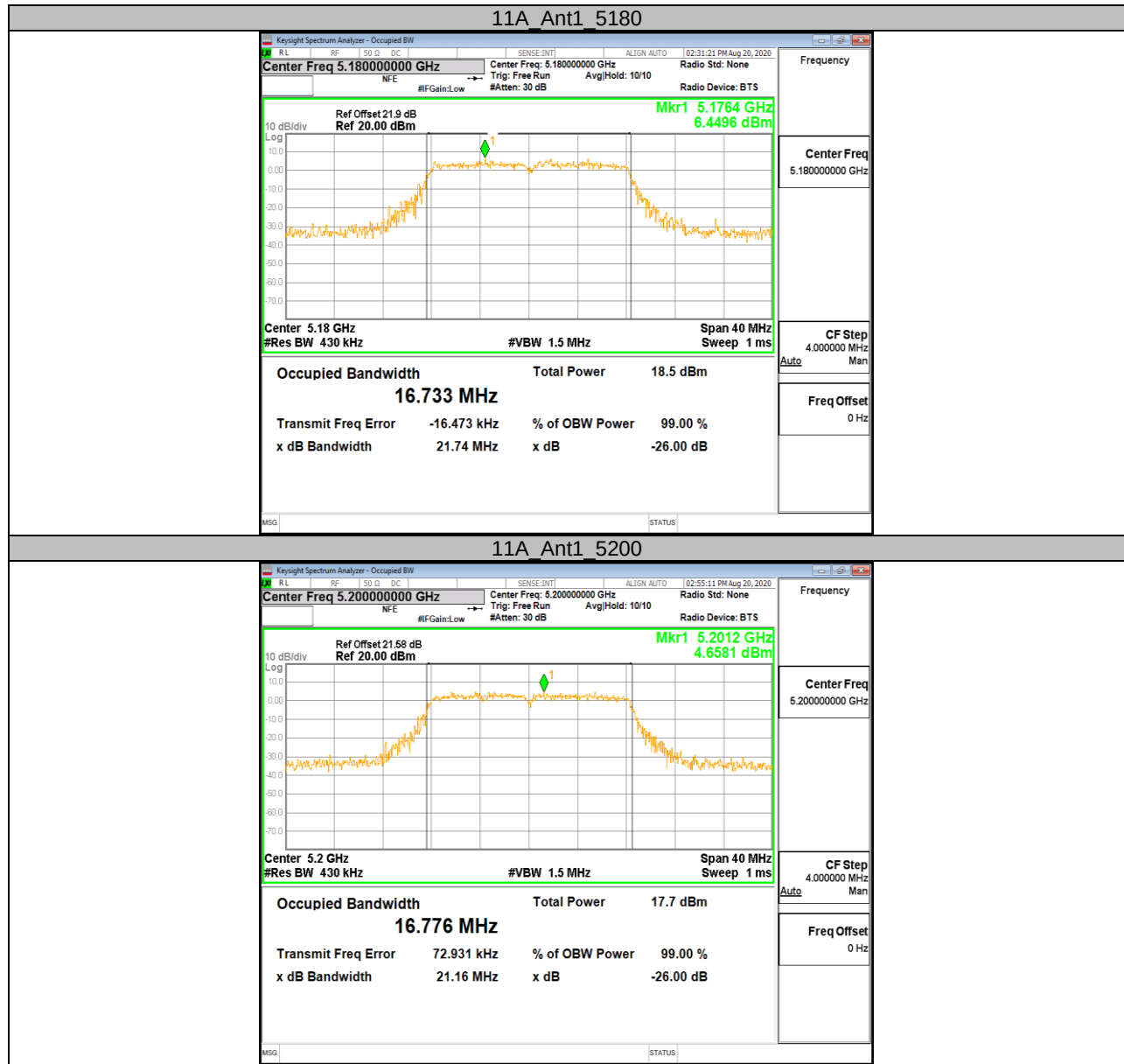


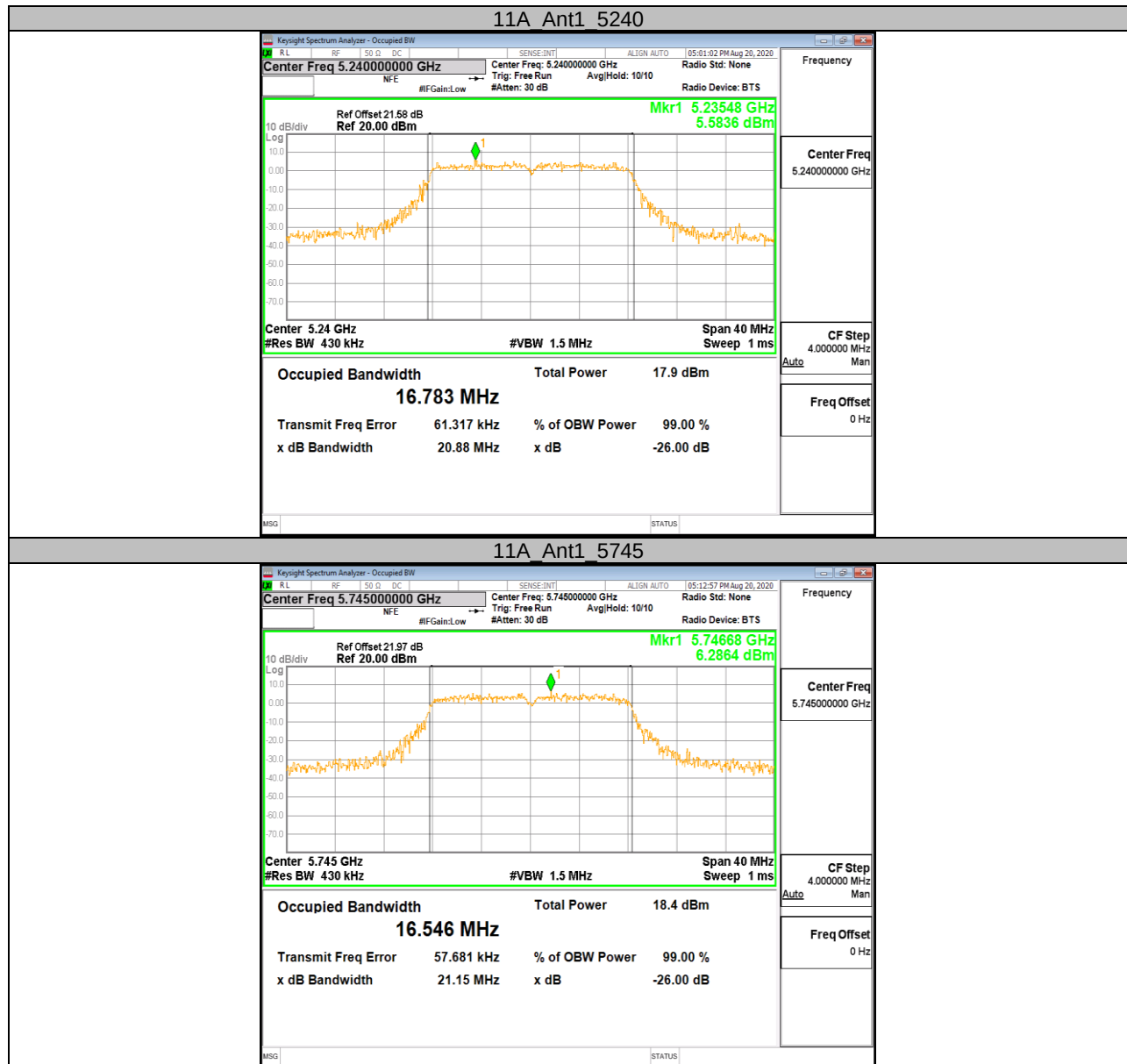
11.2. Appendix A2: Occupied channel bandwidth

11.2.1. Test Result

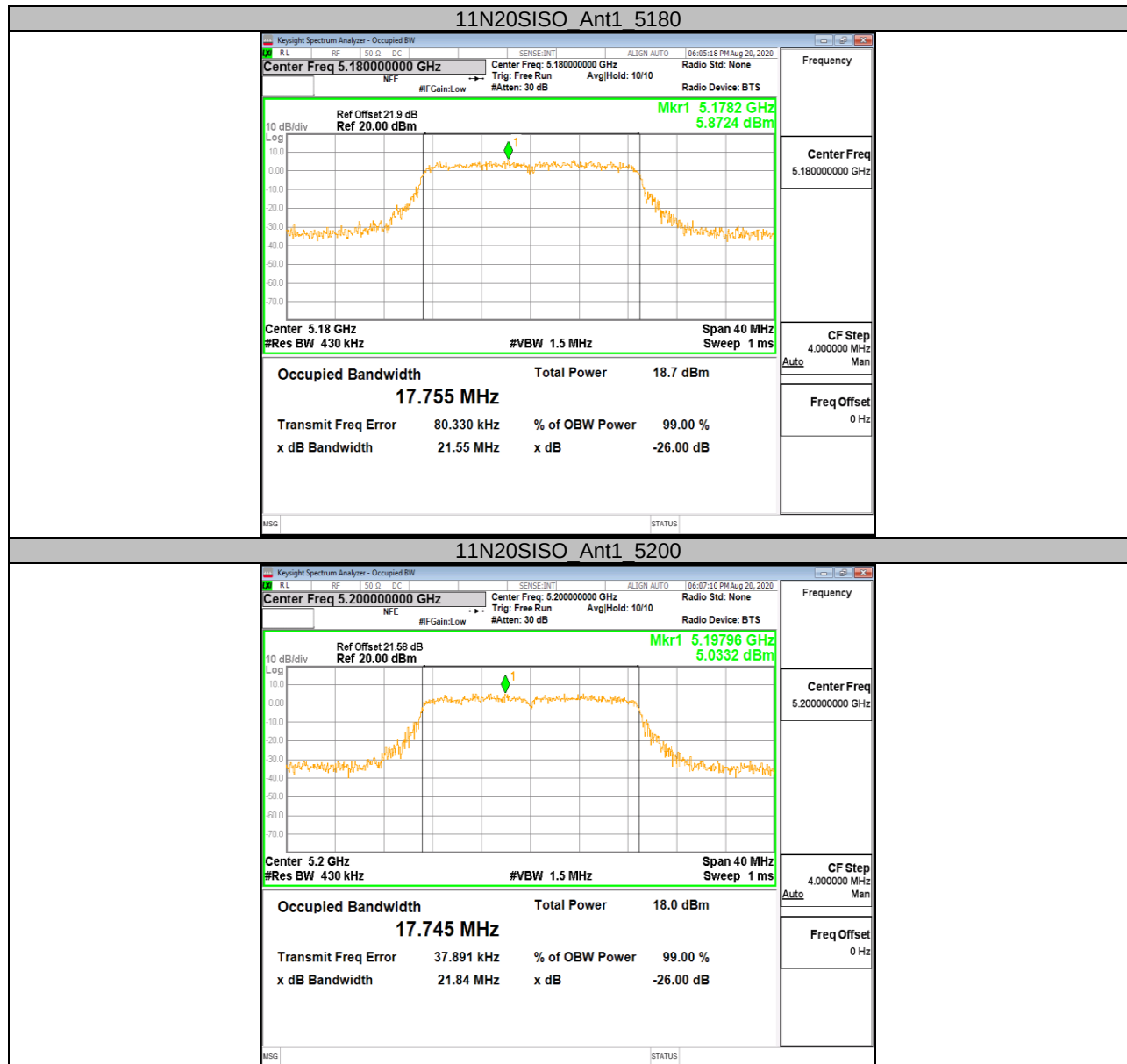
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A20	Ant1	5180	16.733	5171.617	5188.350	PASS
		5200	16.776	5191.685	5208.461	PASS
		5240	16.783	5231.670	5248.453	PASS
		5745	16.546	5736.785	5753.331	PASS
		5785	16.703	5776.699	5793.402	PASS
		5825	16.694	5816.701	5833.395	PASS
11N20SISO	Ant1	5180	17.755	5171.203	5188.958	PASS
		5200	17.745	5191.165	5208.910	PASS
		5240	17.707	5231.242	5248.949	PASS
		5745	17.745	5736.207	5753.952	PASS
		5785	17.791	5776.233	5794.024	PASS
		5825	17.725	5816.154	5833.879	PASS
11N40SISO	Ant1	5190	35.960	5172.136	5208.096	PASS
		5230	35.820	5212.209	5248.029	PASS
		5755	35.899	5737.176	5773.075	PASS
		5795	35.875	5777.181	5813.056	PASS

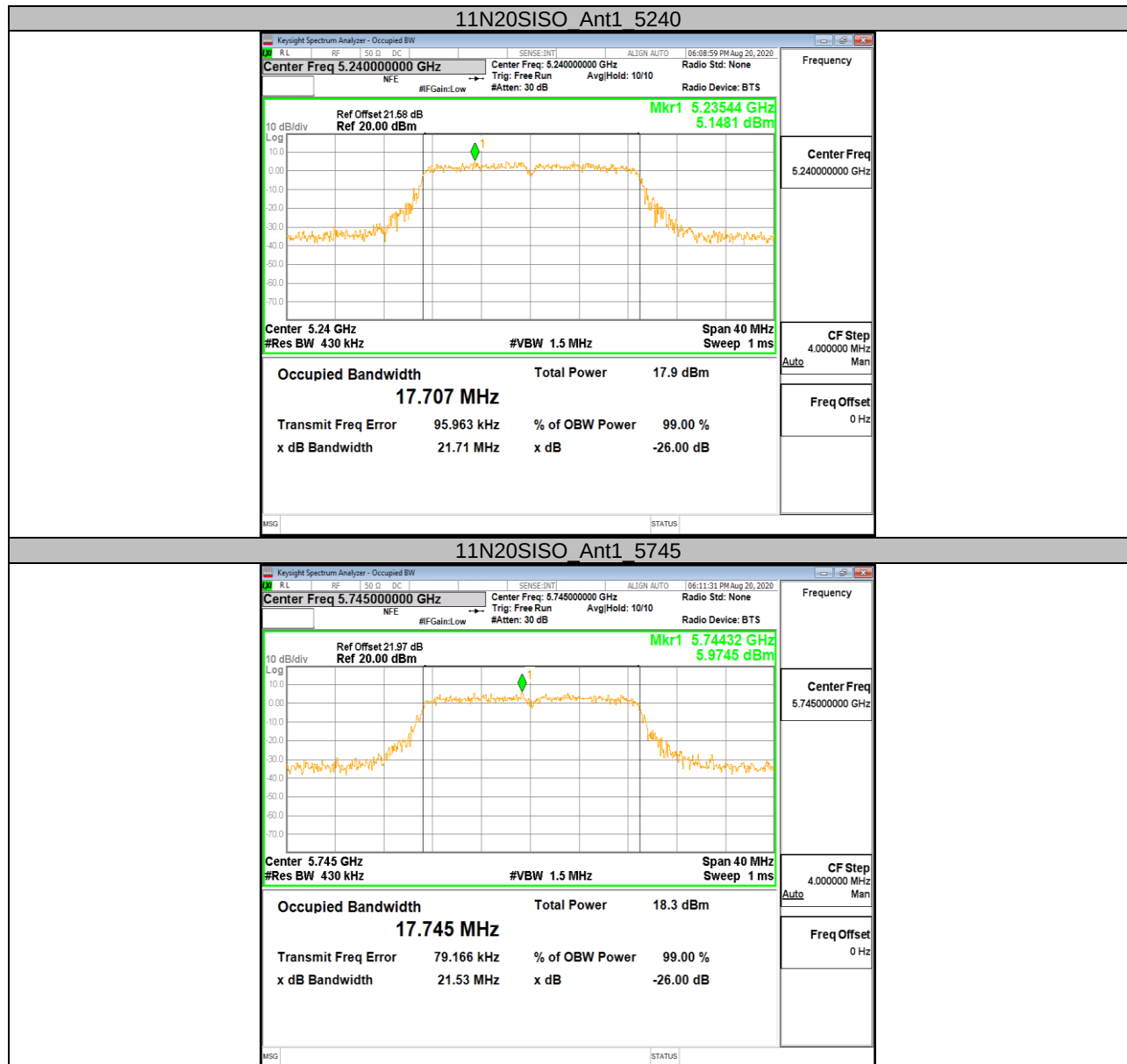
11.2.2. Test Graphs

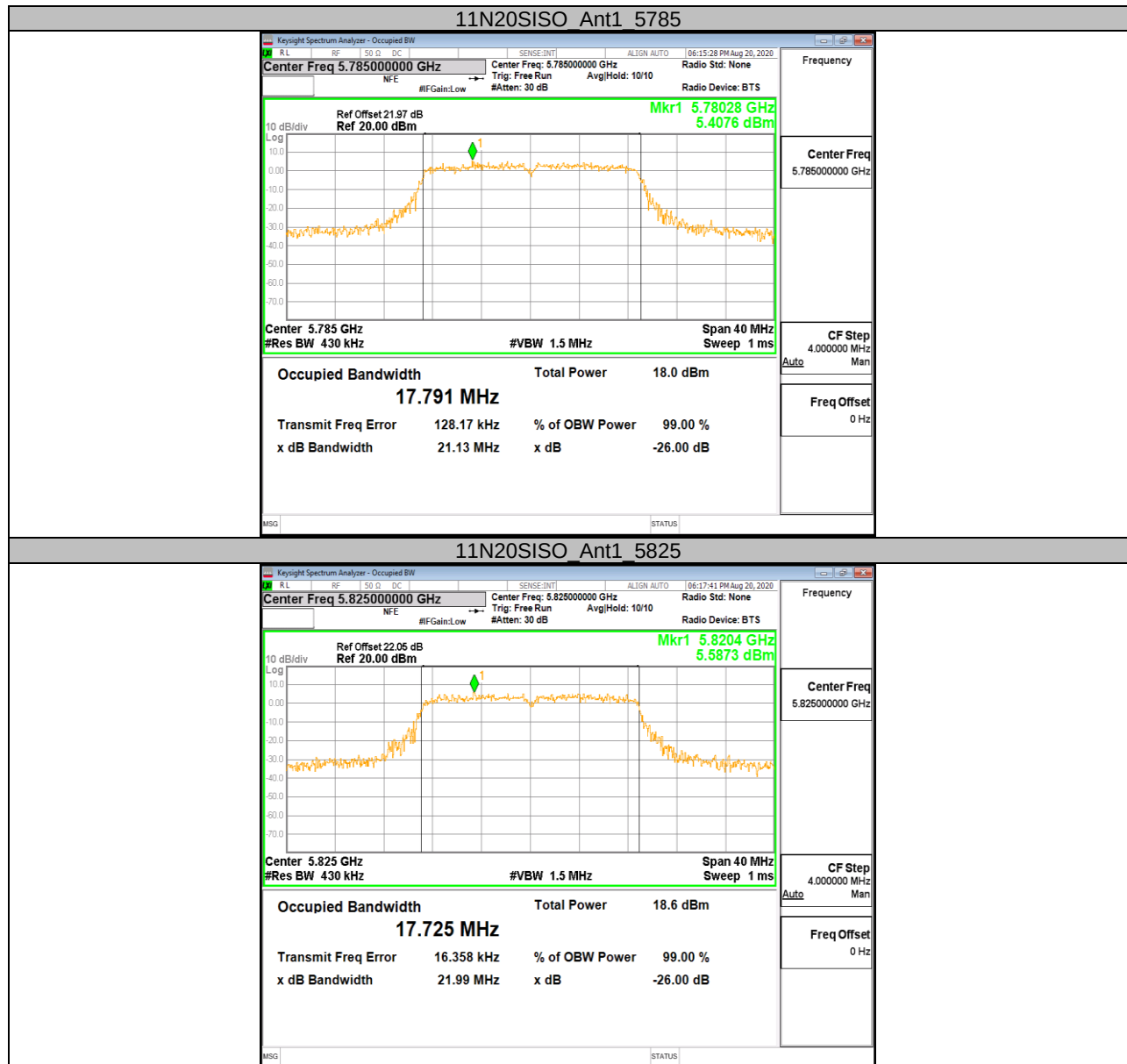


















11.3. Appendix A3: Min emission bandwidth

11.3.1. Test Result

Test Mode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A20	Ant1	5745	16.480	5736.840	5753.320	0.5	PASS
		5785	16.480	5776.800	5793.280	0.5	PASS
		5825	16.560	5816.800	5833.360	0.5	PASS
11N20SISO	Ant1	5745	17.640	5736.200	5753.840	0.5	PASS
		5785	17.640	5776.240	5793.880	0.5	PASS
		5825	17.680	5816.200	5833.880	0.5	PASS
11N40SISO	Ant1	5755	36.480	5736.840	5773.320	0.5	PASS
		5795	36.480	5776.840	5813.320	0.5	PASS



11.3.2. Test Graphs









**11.4. Appendix B: Maximum conducted AVG output power****11.4.1. Test Result**

Test Mode	Antenna	Channel	Power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11A20	Ant1	5180	13.26	23.98	18.64	22.24	PASS
		5200	13.32	23.98	18.70	22.25	PASS
		5240	13.32	23.98	18.70	22.25	PASS
		5745	13.84	30	21.94	---	PASS
		5785	13.58	30	21.68	---	PASS
		5825	14.91	30	23.01	---	PASS
11N20SISO	Ant1	5180	13.98	23.98	19.36	22.49	PASS
		5200	13.33	23.98	18.71	22.49	PASS
		5240	13.18	23.98	18.56	22.48	PASS
		5745	13.70	30	21.8	---	PASS
		5785	13.39	30	21.49	---	PASS
		5825	13.94	30	22.04	---	PASS
11N40SISO	Ant1	5190	14.02	23.98	19.40	23	PASS
		5230	13.30	23.98	18.68	23	PASS
		5755	13.87	30	21.97	---	PASS
		5795	13.61	30	21.71	---	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

11.5. Appendix C: Maximum power spectral density

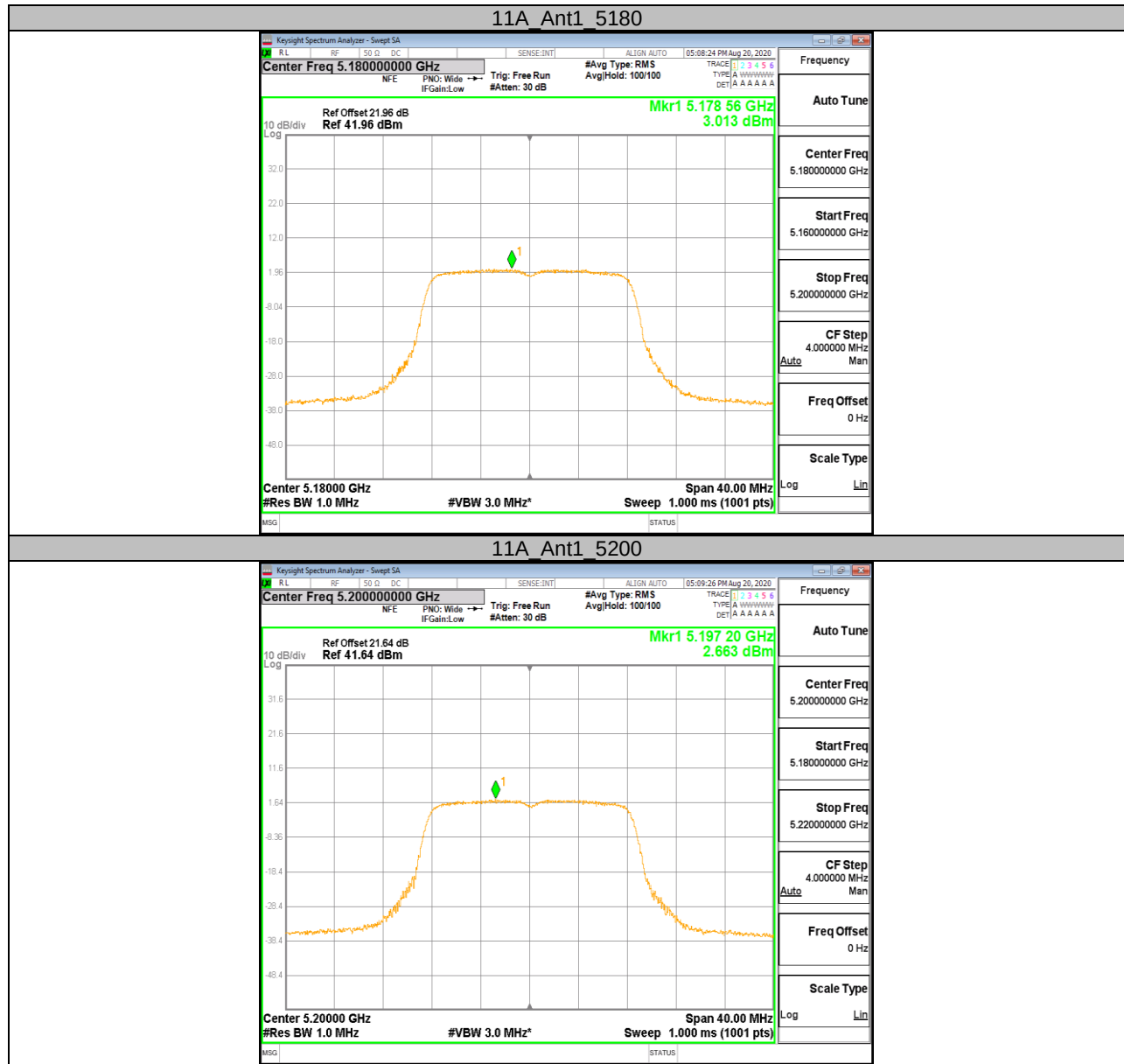
11.5.1. Test Result

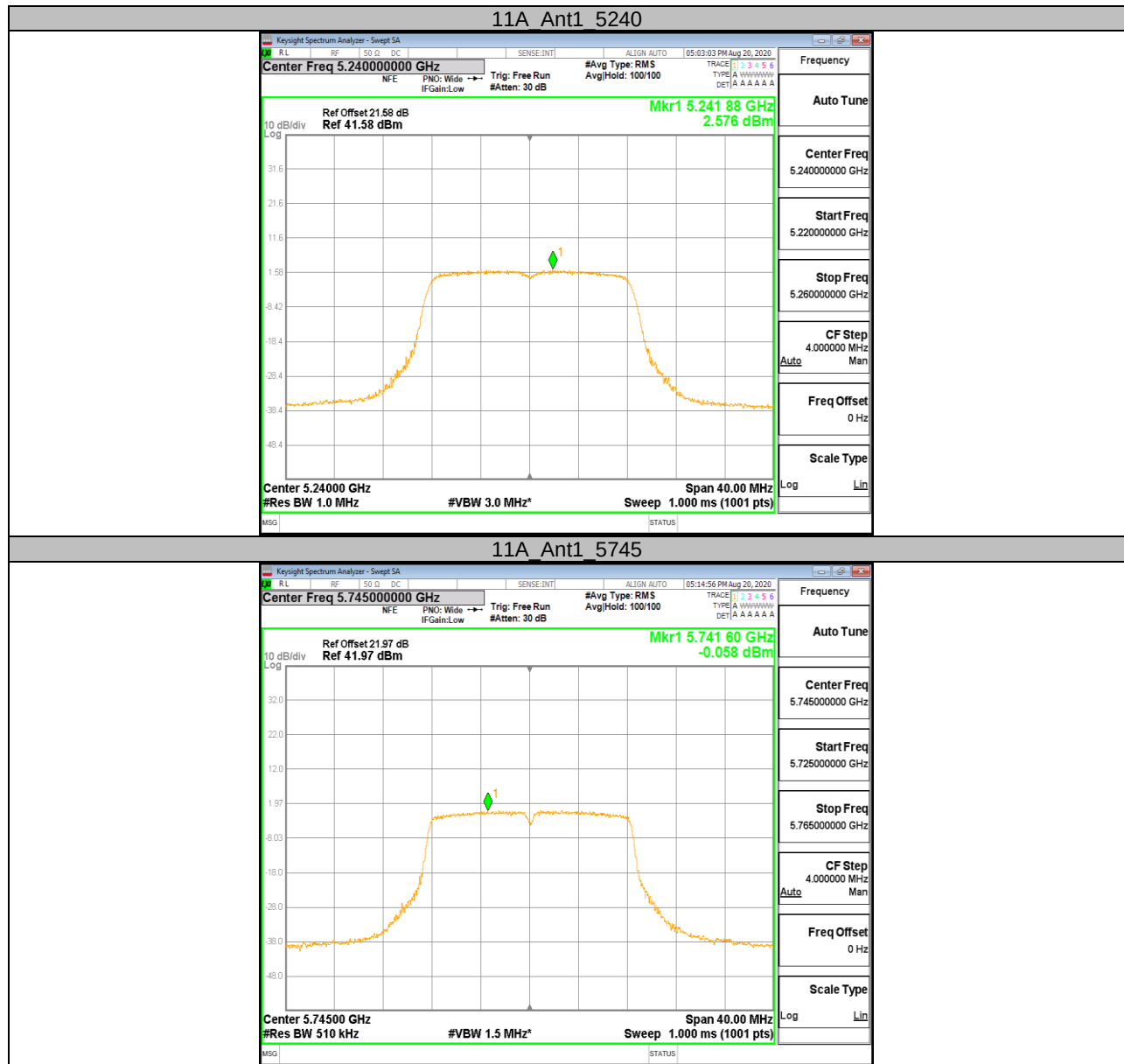
Test Mode	Antenna	Channel	Power [dBm/MHz]	Limit [dBm/MHz]	EIRP [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A20	Ant1	5180	3.01	11	8.39	<=10	PASS
		5200	2.66	11	8.04	<=10	PASS
		5240	2.58	11	7.96	<=10	PASS
		5745	-0.06	30	---	<=---	PASS
		5785	-0.21	30	---	<=---	PASS
		5825	1.05	30	---	<=---	PASS
11N20SISO	Ant1	5180	2.8	11	8.18	<=10	PASS
		5200	2.18	11	7.56	<=10	PASS
		5240	2.13	11	7.51	<=10	PASS
		5745	0	30	---	<=---	PASS
		5785	-0.52	30	---	<=---	PASS
		5825	0.16	30	---	<=---	PASS
11N40SISO	Ant1	5190	-0.6	11	4.78	<=10	PASS
		5230	-0.61	11	4.77	<=10	PASS
		5755	-2.94	30	---	<=---	PASS
		5795	-3.47	30	---	<=---	PASS

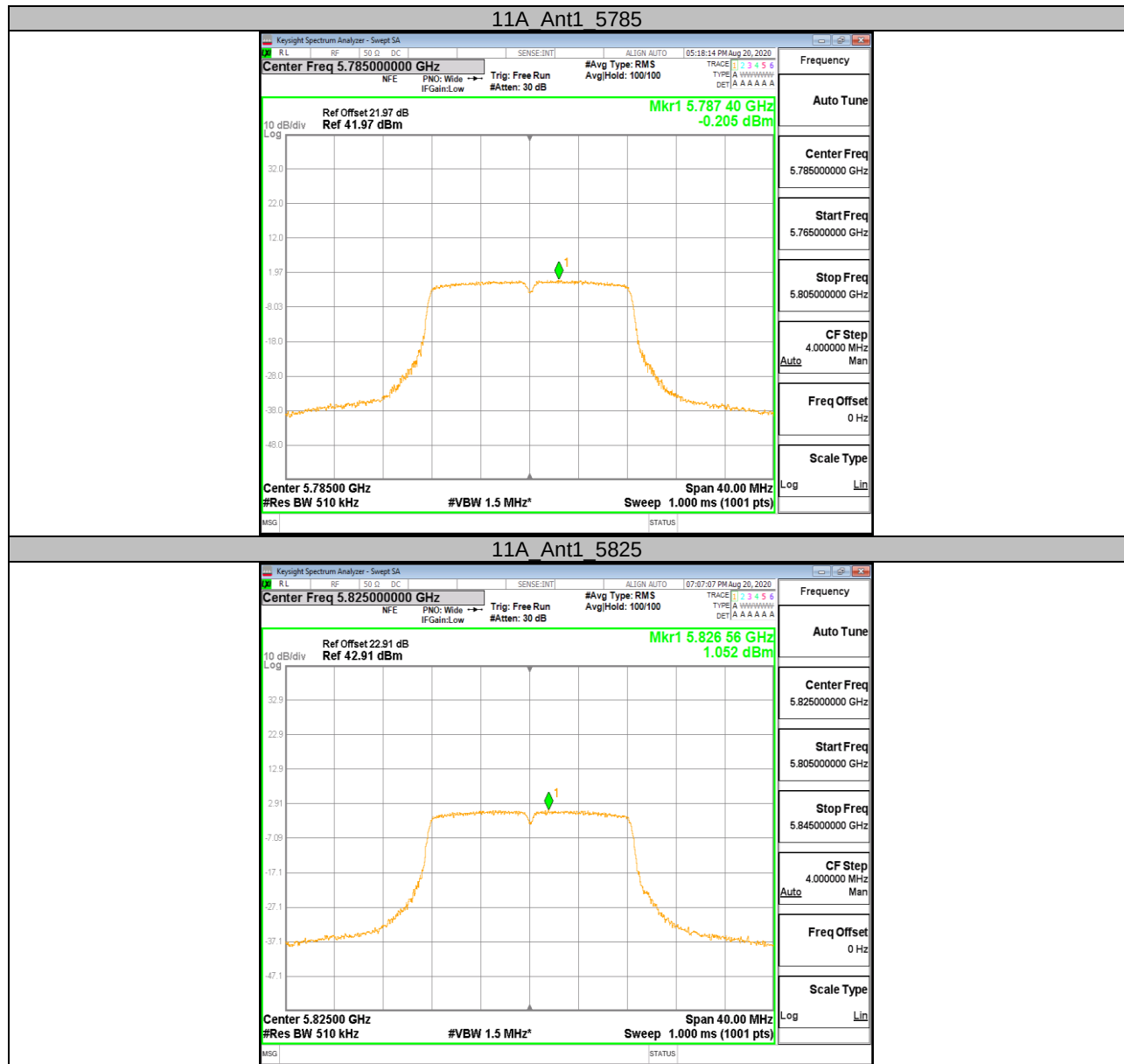
Note : 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

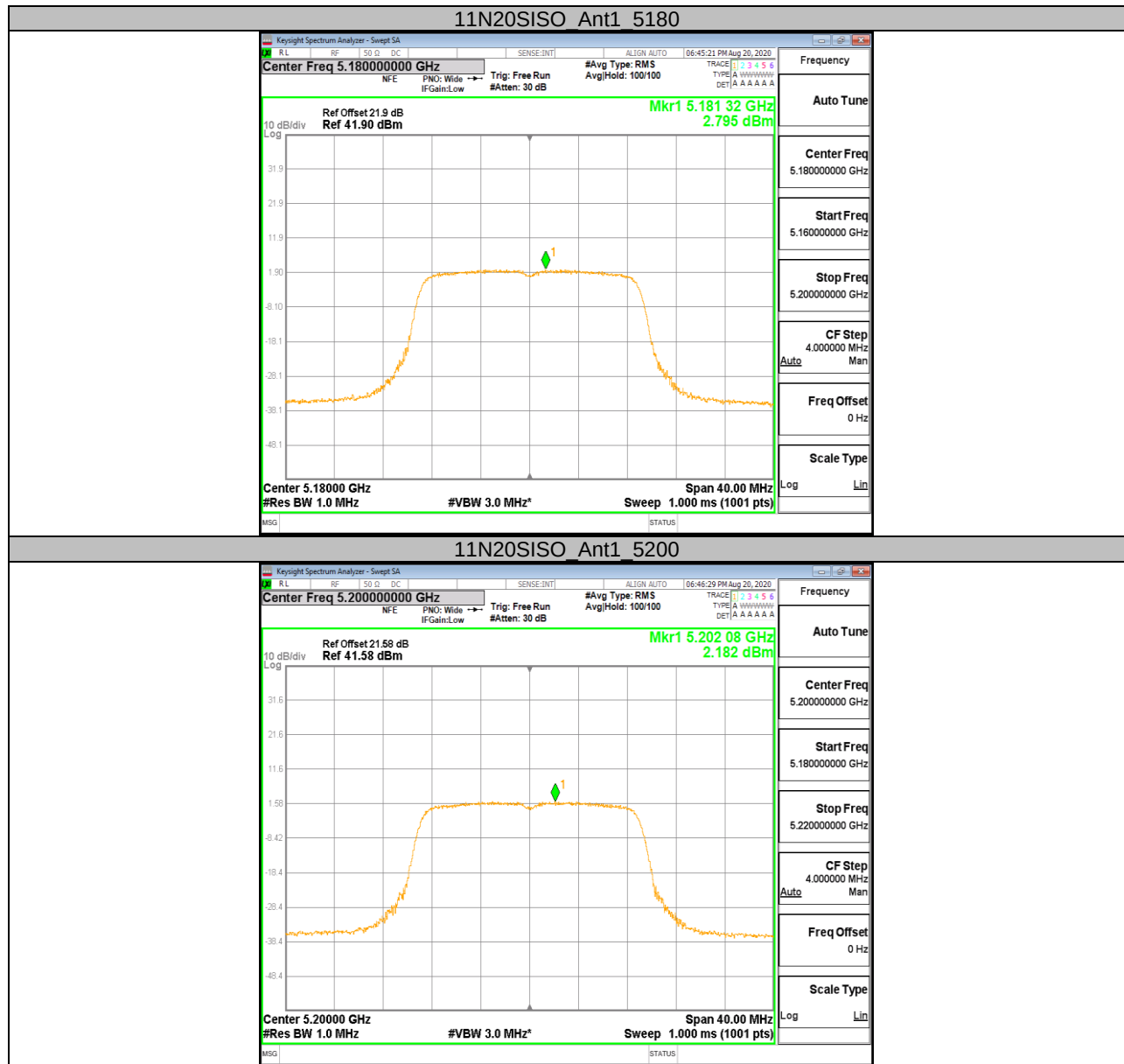
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

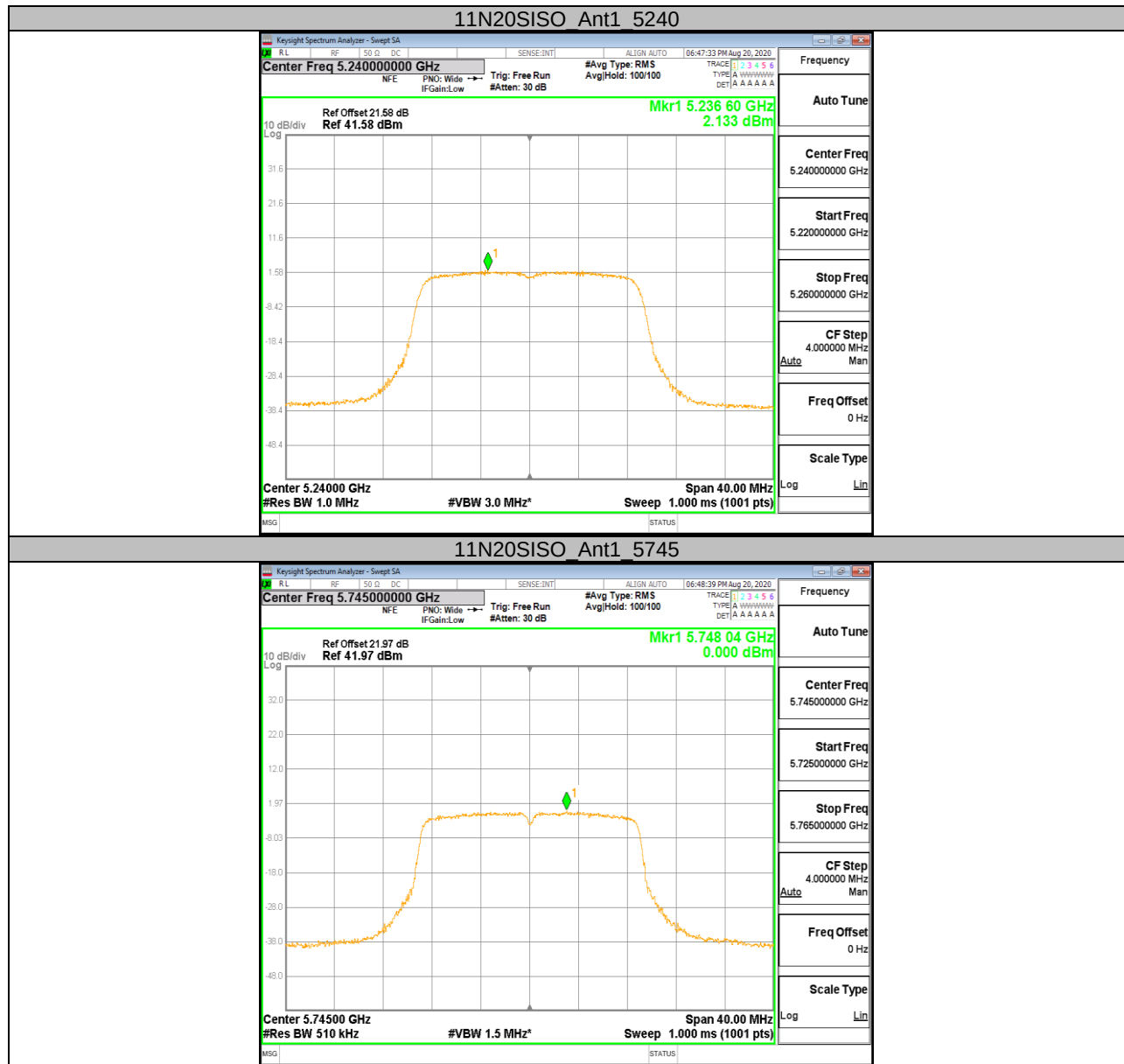
11.5.2. Test Graphs

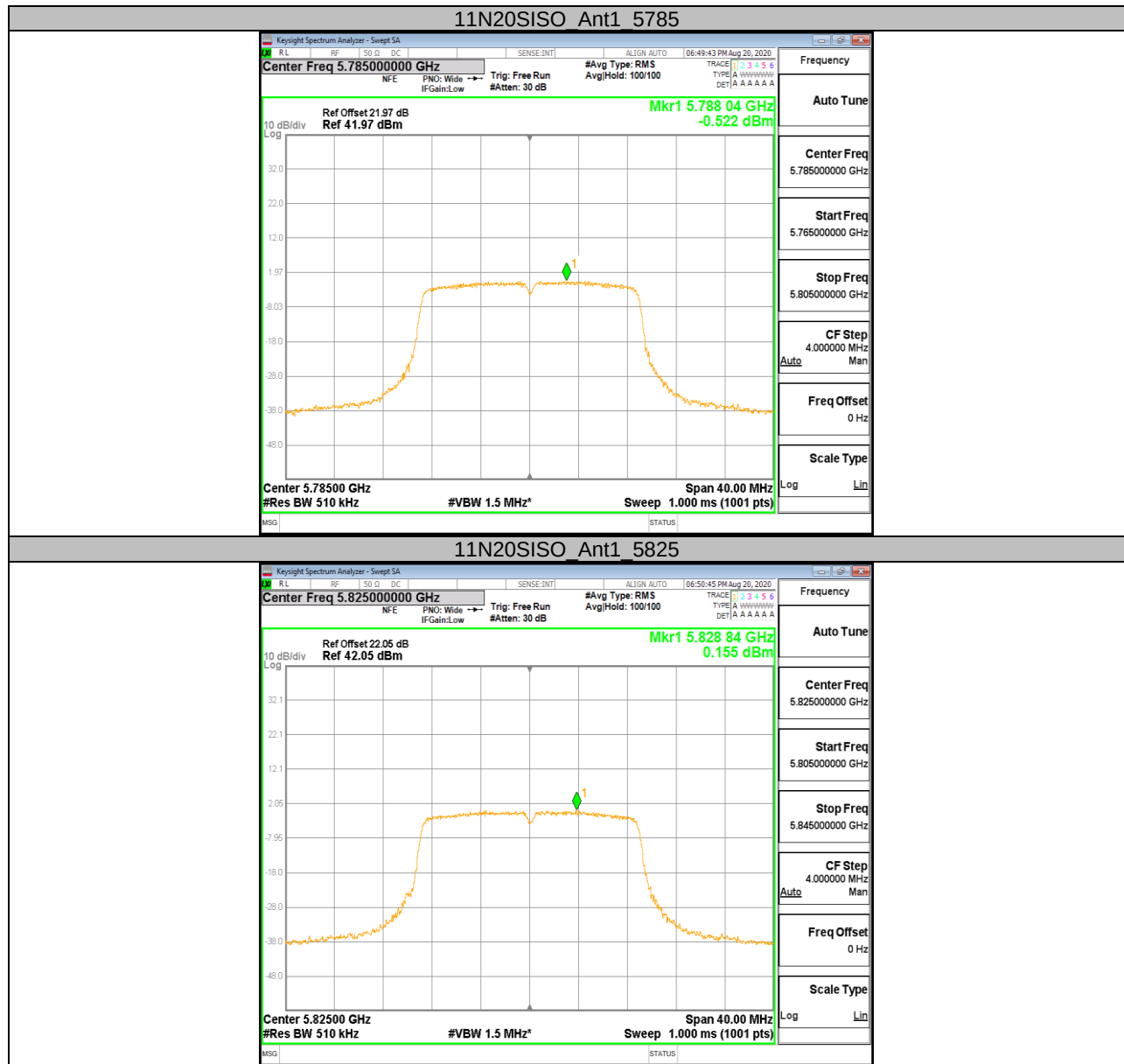


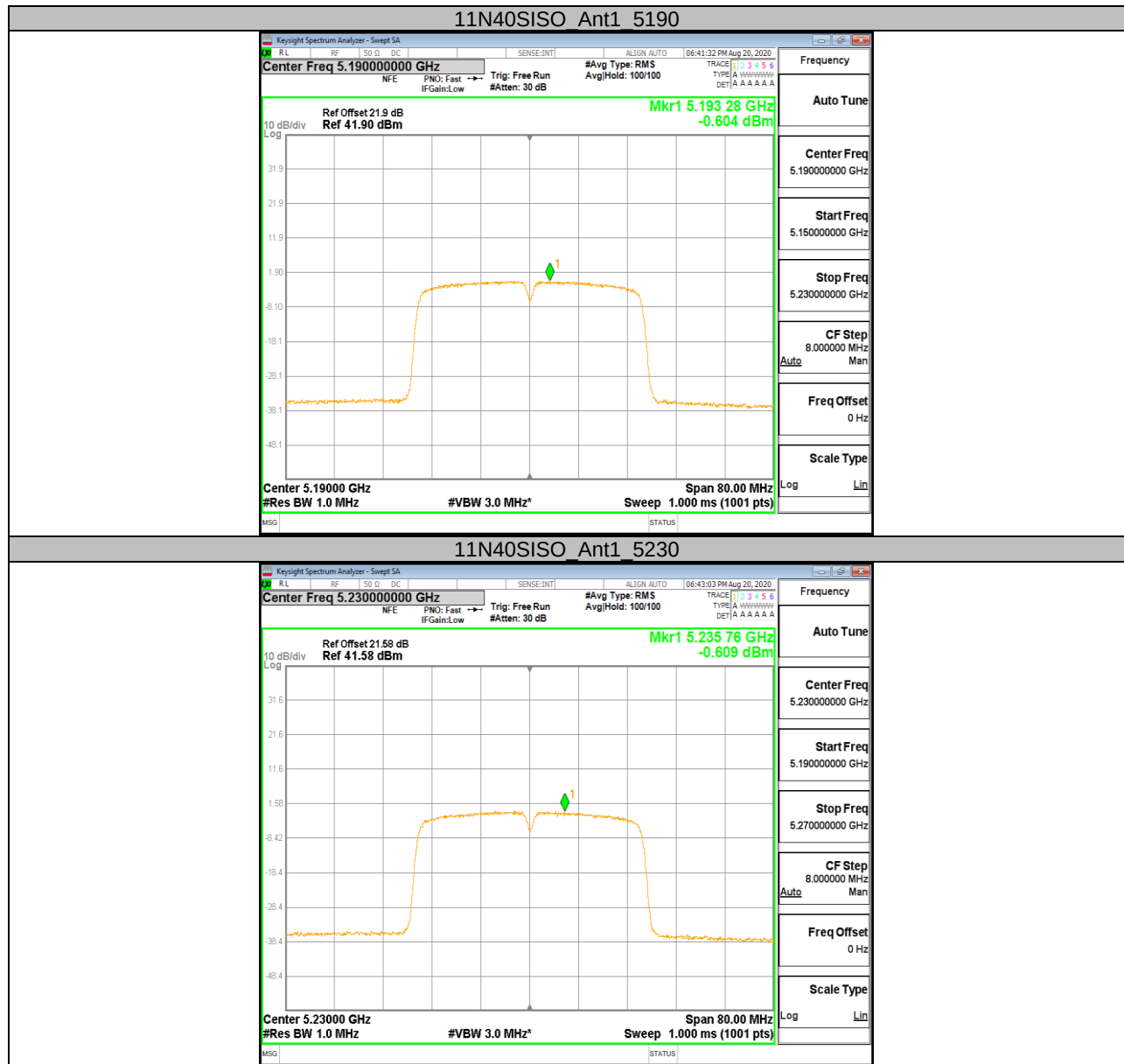


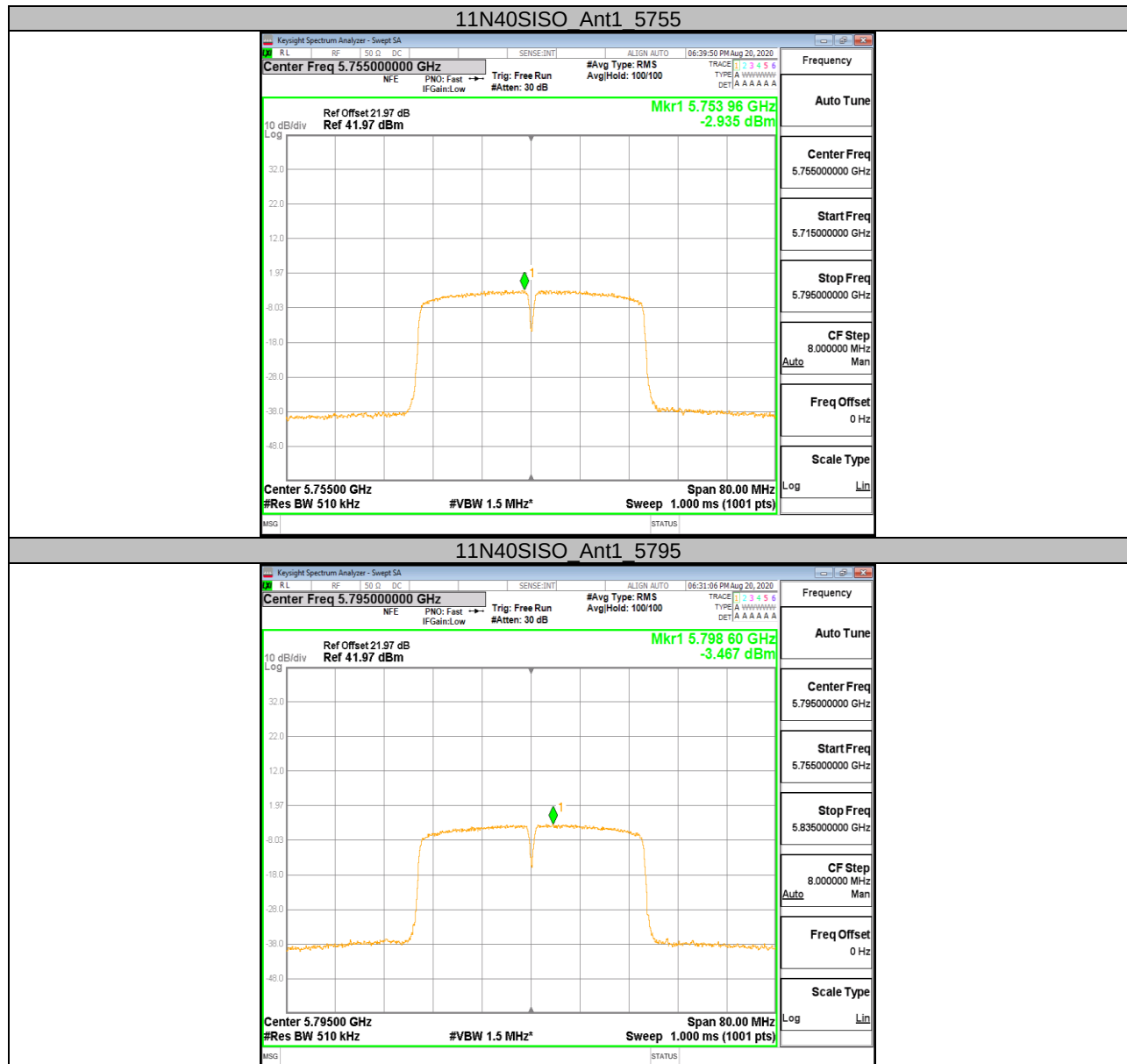














11.6. Appendix D: Duty Cycle

11.6.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11A20	100.1	100.1	0.1	100%	0	0.01	0.01
11N20 SISO	100.1	100.1	0.1	100%	0	0.01	0.01
11N40 SISO	100.1	100.1	0.1	100%	0	0.01	0.01

Note:

Duty Cycle Correction Factor=10log (1/x).

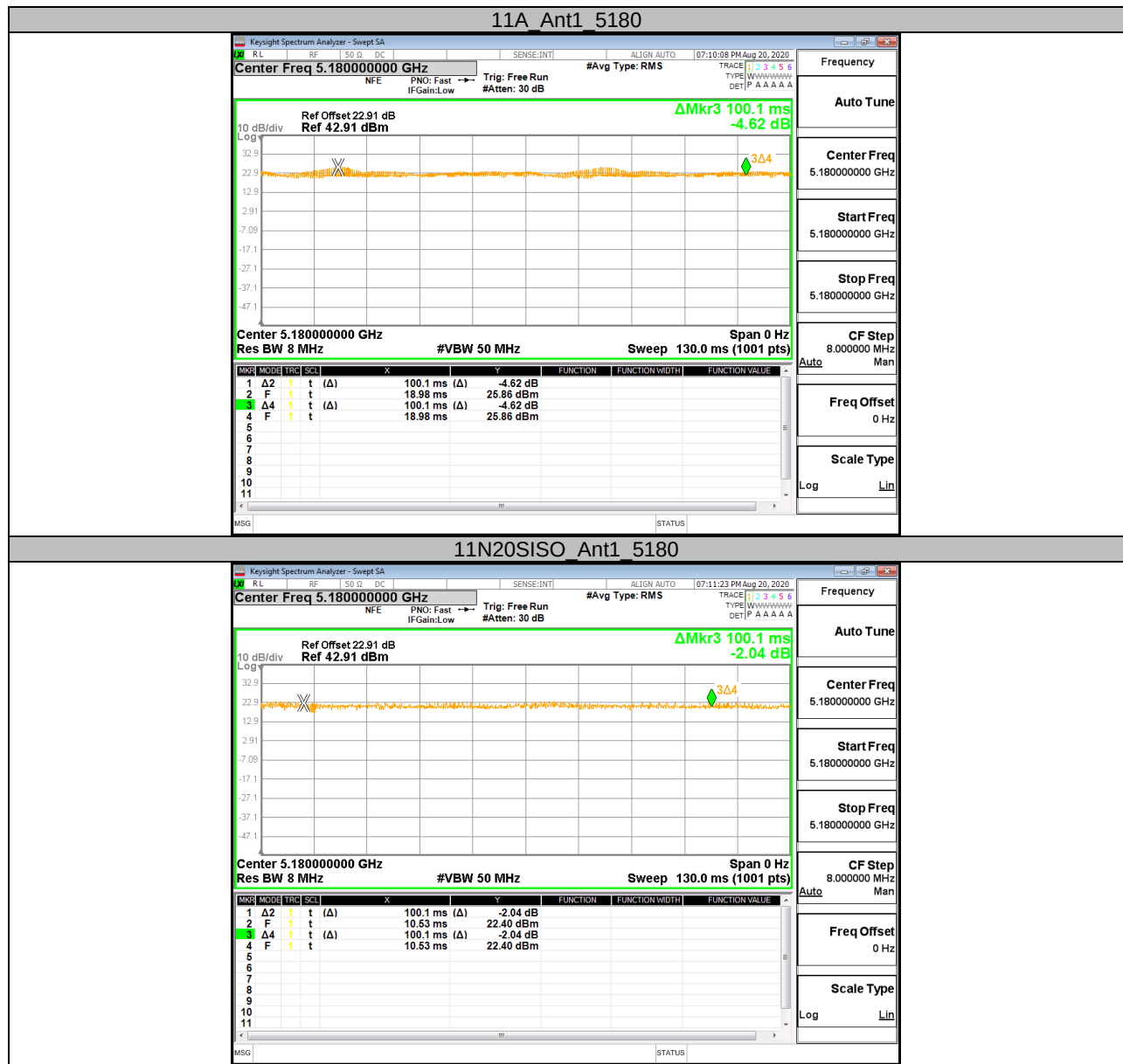
Where: x is Duty Cycle (Linear)

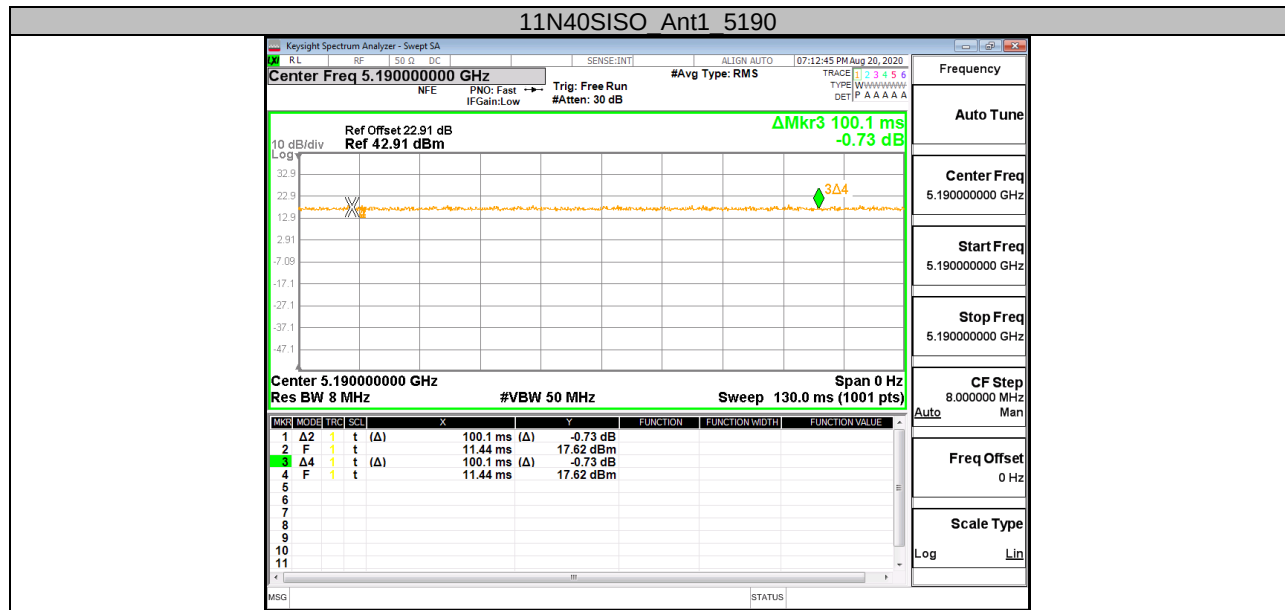
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.



11.6.2. Test Graphs





**11.7. Appendix E: Frequency Stability****11.7.1. Test Result**

Frequency Error vs. Voltage									
802.11a20:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5180.0067	1.30	5179.9827	-3.34	5180.0071	1.38	5179.9834	-3.21
TN	VN	5179.9888	-2.16	5179.9859	-2.72	5180.0198	3.83	5179.9855	-2.81
TN	VH	5179.9753	-4.76	5180.0069	1.33	5180.0154	2.98	5180.0099	1.91
Frequency Error vs. Temperature									
802.11a20:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5179.9780	-4.25	5179.9846	-2.98	5180.0241	4.65	5179.9916	-1.63
30	VN	5180.0044	0.85	5180.0030	0.58	5180.0135	2.60	5179.9814	-3.58
20	VN	5179.9835	-3.19	5179.9896	-2.01	5180.0242	4.67	5179.9885	-2.21
10	VN	5179.9802	-3.82	5180.0037	0.72	5180.0082	1.59	5179.9861	-2.68
0	VN	5179.9932	-1.31	5179.9995	-0.09	5180.0170	3.29	5179.9963	-0.72
Frequency Error vs. Voltage									
802.11a20:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5824.9793	-3.55	5825.0243	4.17	5824.9871	-2.22	5825.0035	0.60
TN	VN	5825.0005	0.09	5825.0142	2.44	5824.9784	-3.71	5825.0068	1.17
TN	VH	5824.9965	-0.60	5824.9805	-3.36	5824.9760	-4.12	5825.0070	1.20
Frequency Error vs. Temperature									
802.11a20:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
40	VN	5824.9872	-2.19	5825.0147	2.52	5825.0018	0.30	5824.9992	-0.14
30	VN	5824.9953	-0.81	5825.0232	3.98	5825.0148	2.53	5825.0037	0.64
20	VN	5825.0080	1.38	5825.0122	2.10	5824.9763	-4.06	5824.9844	-2.67
10	VN	5824.9867	-2.29	5825.0151	2.59	5824.9853	-2.52	5824.9805	-3.35
0	VN	5824.9932	-1.17	5825.0176	3.03	5825.0153	2.63	5825.0180	3.09

Note: All the test modes have been tested, only the worst data record in the report.

END OF REPORT