

11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5200.0165	3.17	5200.0001	0.01	5199.9881	-2.29	5200.0153	2.95
TN	VN	5200.0231	4.45	5199.9934	-1.26	5200.0150	2.89	5200.0212	4.08
TN	VH	5200.0238	4.57	5200.0006	0.11	5199.9853	-2.82	5200.0173	3.32

Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
40	VN	5200.0040	0.78	5199.9951	-0.93	5199.9781	-4.20	5200.0208	4.00
30	VN	5200.0157	3.01	5199.9838	-3.12	5200.0011	0.22	5199.9883	-2.25
20	VN	5199.9944	-1.08	5200.0027	0.53	5200.0034	0.65	5199.9860	-2.69
10	VN	5200.0130	2.50	5199.9829	-3.29	5199.9892	-2.09	5200.0013	0.24
0	VN	5200.0170	3.28	5199.9791	-4.01	5200.0176	3.38	5200.0003	0.06

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

11.7. APPENDIX G: DUTY CYCLE

11.7.1. 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)
11A	1.38	1.41	0.9787	97.87	0.09	0.72	1
11N20MIMO	1.29	1.92	0.6719	67.19	1.73	0.78	1
11N40MIMO	0.64	1.30	0.4923	49.23	3.08	1.56	2
11AC80MIMO	0.32	0.95	0.3368	33.68	4.73	3.13	4
11AX20MIMO	1.01	1.65	0.6121	61.21	2.13	0.99	1
11AX40MIMO	0.53	1.16	0.4569	45.69	3.40	1.89	2
11AX80MIMO	0.29	0.91	0.3187	31.87	4.97	3.45	4

Note:

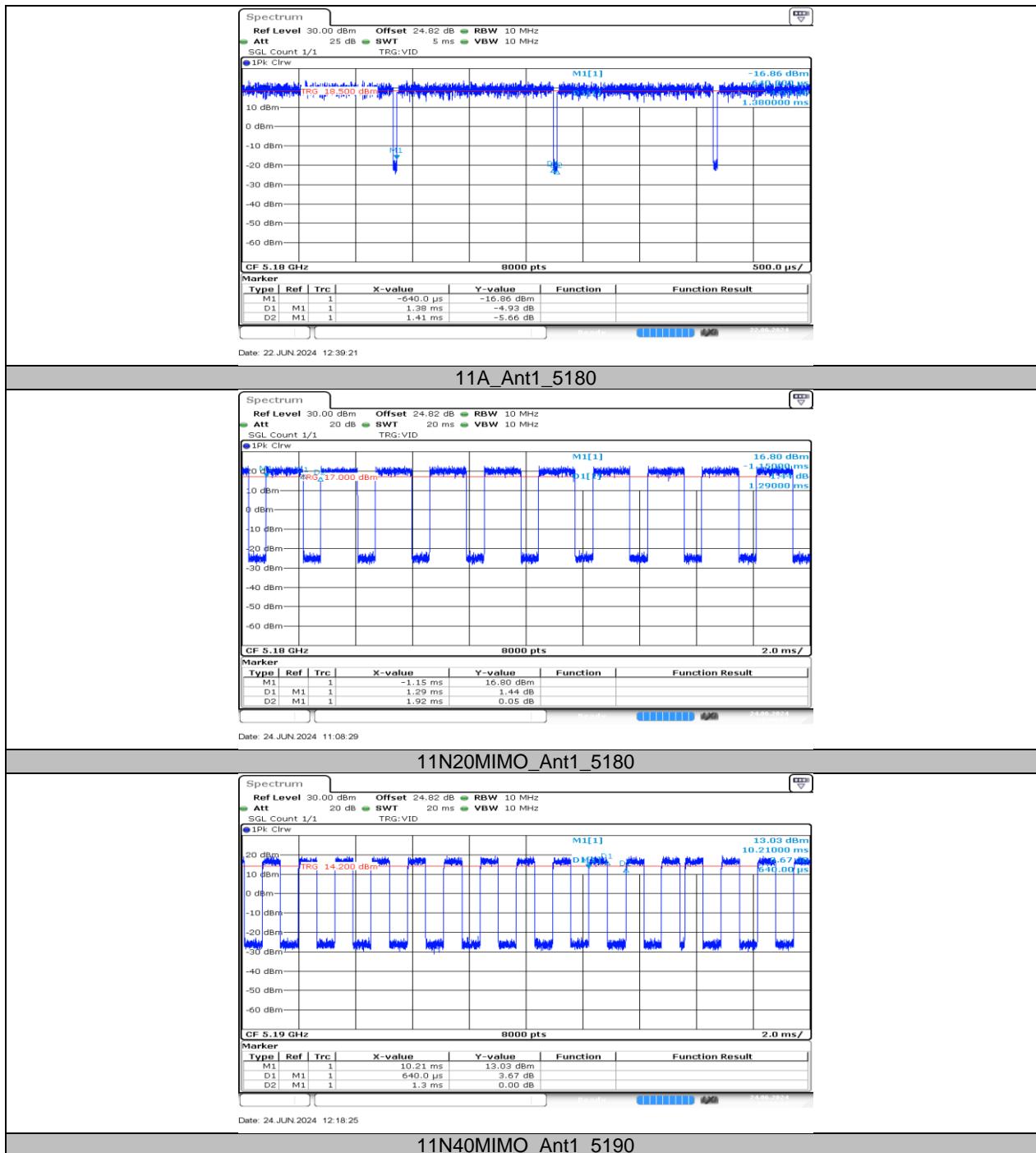
Duty Cycle Correction Factor=10log (1/x).

Where: x is Duty Cycle (Linear)

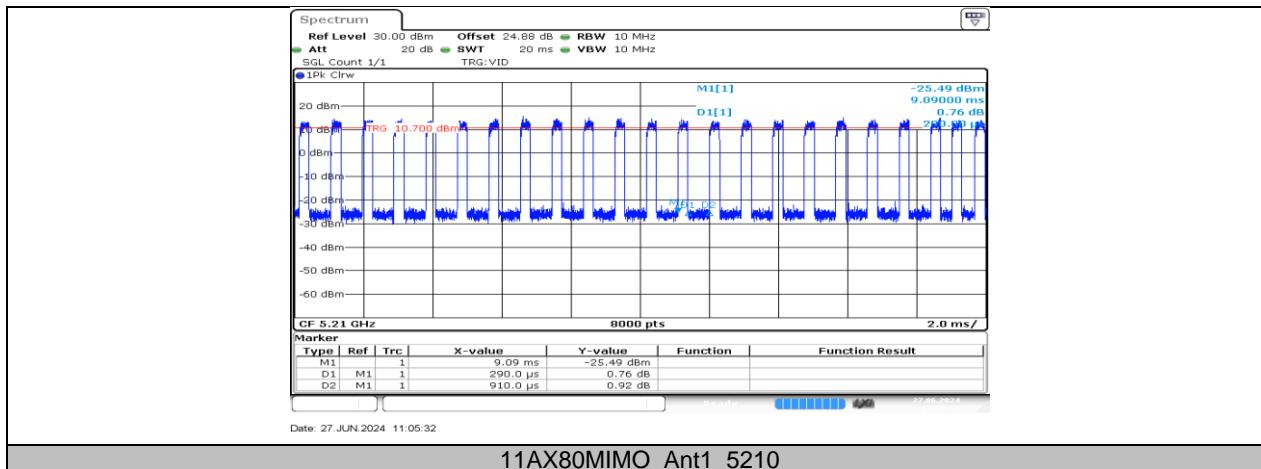
Where: T is On Time

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

11.7.2. Test Graphs

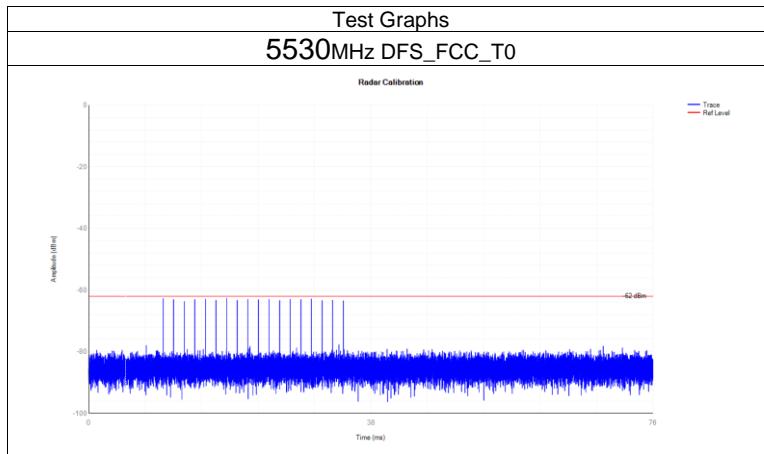






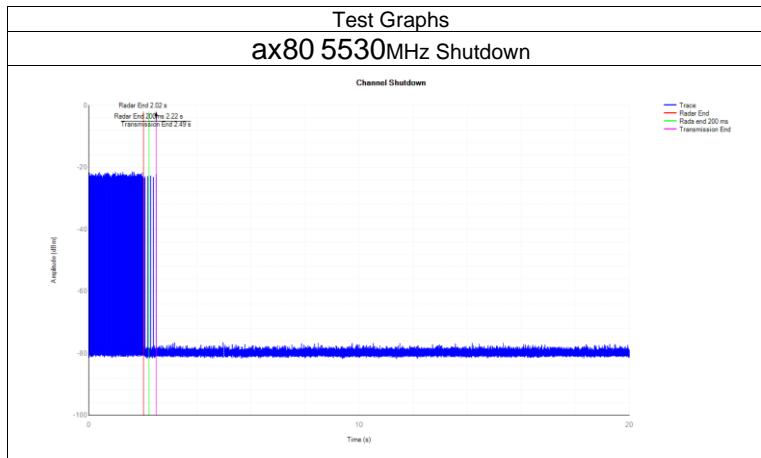
11.8. APPENDIX H: CALIBRATION

Mode	Frequency (MHz)	Type	Result	Verdict
ax80	5530	DFS_FCC_T0	See test Graph	Pass



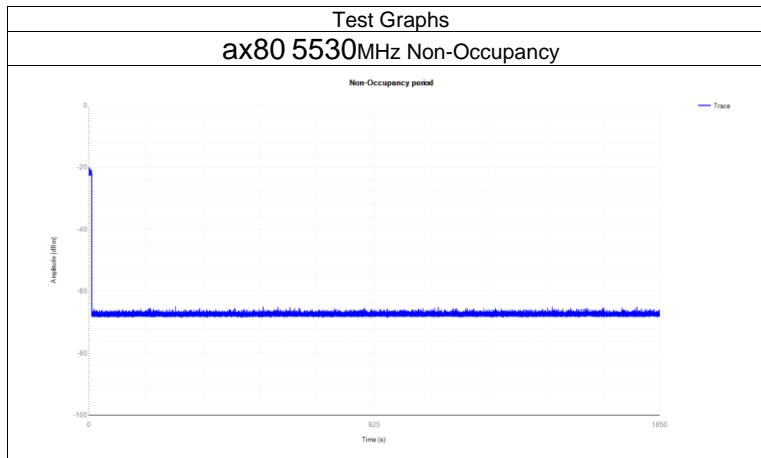
11.9. APPENDIX I: SHUTDOWN TIME

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax80	5530	0.47	10	0.007	0.26	0.003	0.06	Pass



11.10. APPENDIX J: NON-OCCUPANCY

Mode	Frequency (MHz)	Result	Verdict
ax80	5530	See test Graph	Pass



END OF REPORT