

11.6. APPENDIX F: FREQUENCY STABILITY

11.6.1. Test Result

Frequency Error vs. Voltage									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5179.9789	-4.07	5180.0191	3.68	5180.0000	-0.01	5180.0048	0.93
TN	VN	5179.9788	-4.09	5179.9779	-4.27	5179.9882	-2.28	5179.9912	-1.70
TN	VH	5179.9759	-4.66	5179.9991	-0.17	5180.0051	0.98	5180.0218	4.21

Frequency Error vs. Temperature									
802.11a:5180MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
40	VN	5179.9834	-3.20	5180.0102	1.96	5179.9914	-1.66	5179.9895	-2.03
30	VN	5179.9941	-1.15	5180.0009	0.17	5179.9841	-3.06	5180.0057	1.09
20	VN	5180.0034	0.66	5179.9806	-3.75	5180.0056	1.09	5180.0066	1.27
10	VN	5180.0049	0.95	5180.0172	3.33	5180.0001	0.02	5179.9832	-3.25
0	VN	5180.0146	2.81	5180.0182	3.51	5179.9802	-3.83	5180.0021	0.40

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.

Frequency Error vs. Voltage									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
TN	VL	5824.9846	-2.64	5824.9797	-3.49	5824.9770	-3.94	5825.0072	1.23
TN	VN	5824.9765	-4.03	5824.9887	-1.95	5825.0124	2.12	5824.9833	-2.87
TN	VH	5825.0185	3.18	5825.0110	1.88	5825.0018	0.30	5824.9763	-4.06

Frequency Error vs. Temperature									
802.11a:5825MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)						
40	VN	5824.9937	-1.09	5825.0088	1.51	5825.0054	0.93	5824.9964	-0.63
30	VN	5824.9994	-0.10	5825.0075	1.30	5825.0054	0.93	5825.0025	0.43
20	VN	5825.0189	3.24	5824.9830	-2.92	5824.9842	-2.71	5824.9953	-0.80
10	VN	5825.0249	4.27	5825.0122	2.10	5825.0223	3.83	5825.0187	3.21
0	VN	5825.0196	3.37	5824.9907	-1.60	5824.9779	-3.79	5825.0040	0.69

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	1.43	0.9650	96.50	0.15	0.72	1
11N20MIMO	1.29	1.34	0.9627	96.27	0.17	0.78	1
11N40MIMO	0.65	0.7	0.9286	92.86	0.32	1.54	2
11AC80MIMO	0.32	0.38	0.8421	84.21	0.75	3.13	4

Note:

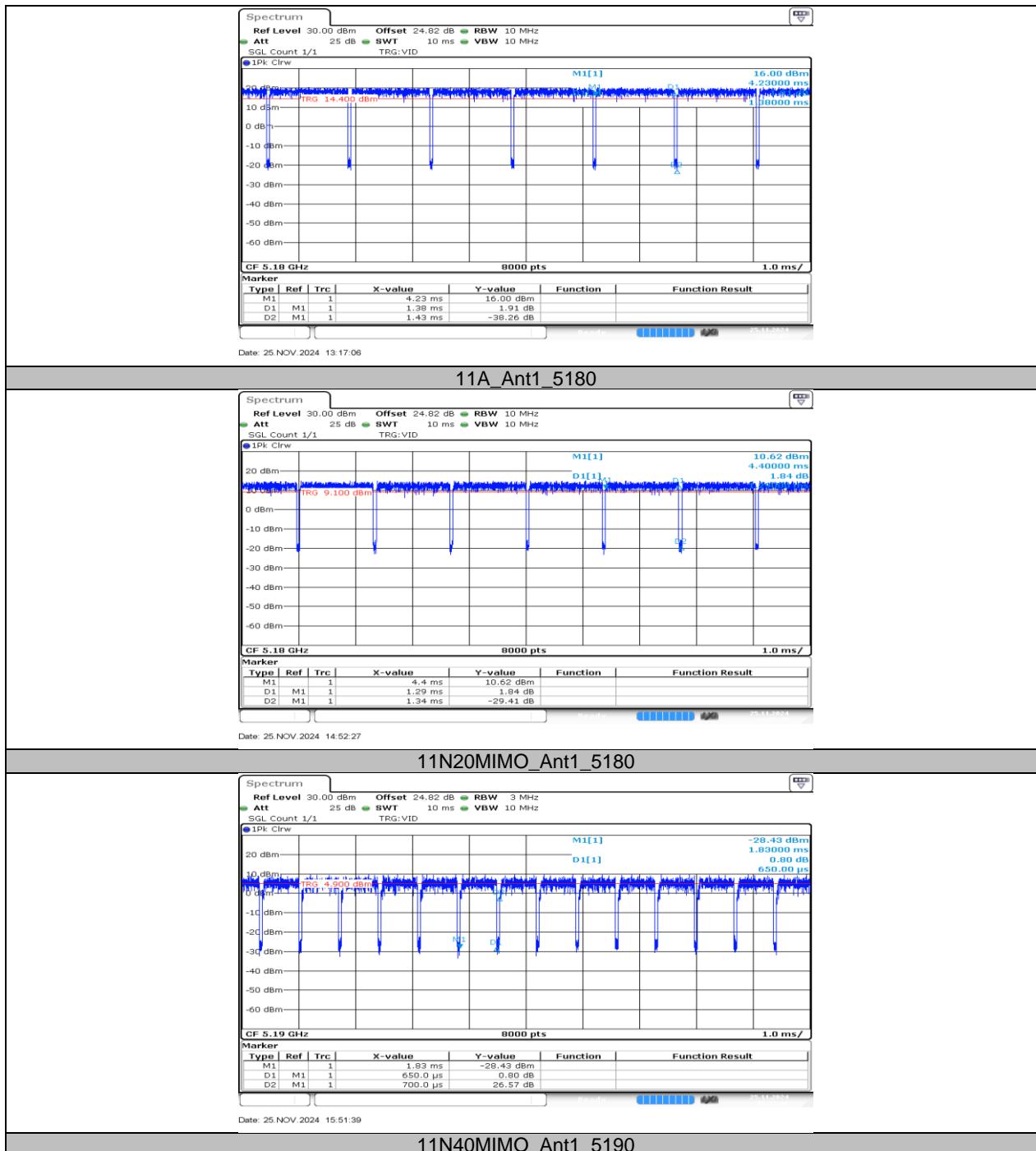
Duty Cycle Correction Factor=10log (1/x).

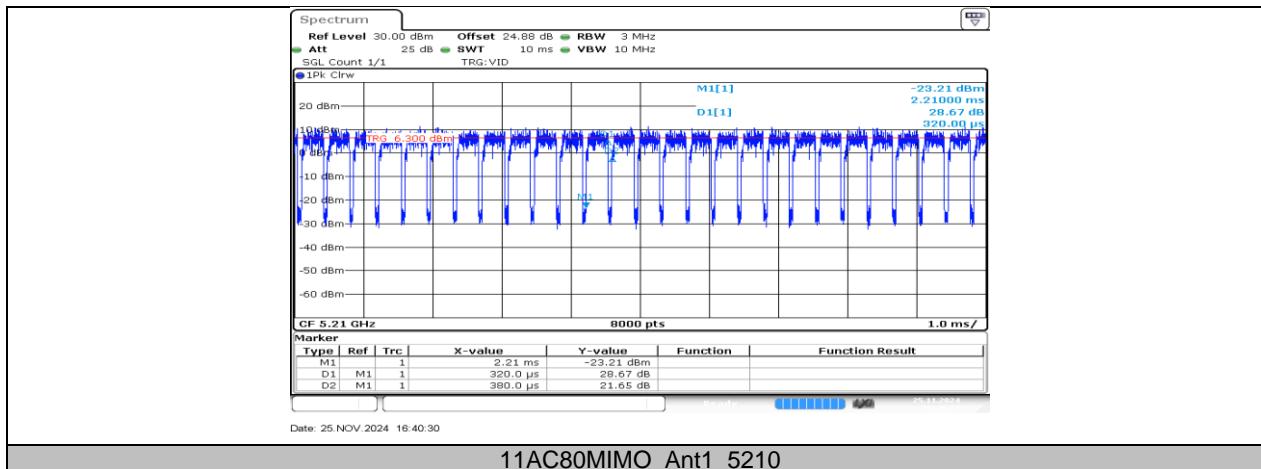
Where: x is Duty Cycle (Linear)

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



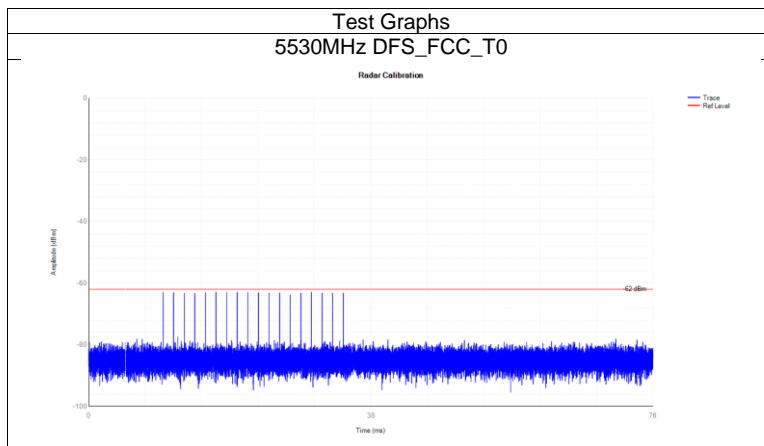


11.8. APPENDIX H: CALIBRATION

11.8.1. Test Result

Mode	Frequency (MHz)	Type	Result	Verdict
ac80	5530	DFS_FCC_T0	See test Graph	Pass

11.8.2. Test Graphs

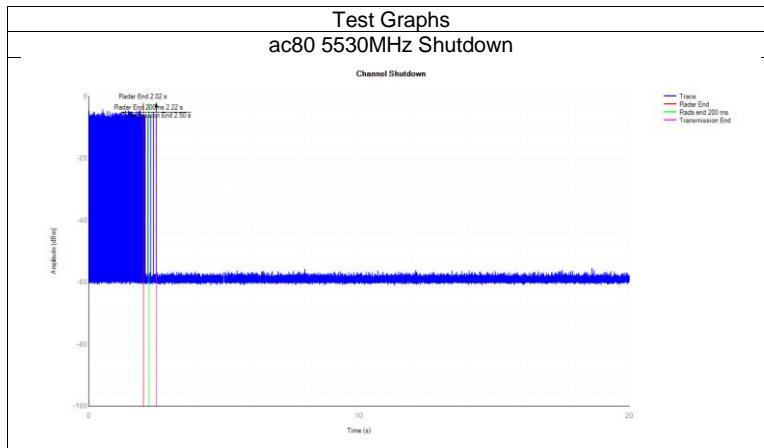


11.9. APPENDIX I: SHUTDOWN TIME

11.9.1. Test Result

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
ac80	5530	0.476	10	0.017	0.26	0.004	0.06	Pass

11.9.2. Test Graphs

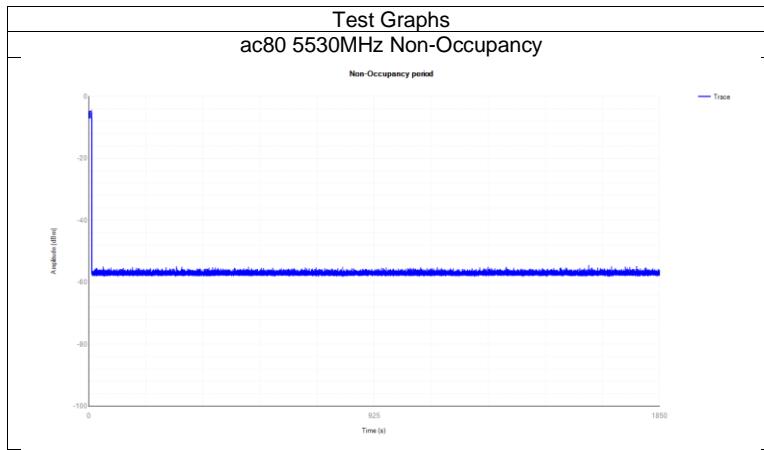


11.10. APPENDIX J: NON-OCCUPANCY

11.10.1. Test Result

Mode	Frequency (MHz)	Result	Verdict
ac80	5530	See test Graph	Pass

11.10.2. Test Graphs



END OF REPORT