

## 11.6. APPENDIX I: 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)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5200.0212	4.07	5200.0087	1.67	5200.0193	3.71	5199.9769	-4.45
TN	VN	5199.9975	-0.49	5199.9807	-3.71	5200.0121	2.33	5200.0164	3.15
TN	VH	5199.9860	-2.69	5200.0138	2.65	5199.9987	-0.25	5200.0233	4.49
Frequency Error vs. Temperature									
802.11a: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)
45	VN	5200.0221	4.25	5200.0092	1.78	5200.0096	1.84	5200.0020	0.39
40	VN	5199.9767	-4.48	5200.0110	2.11	5199.9895	-2.01	5199.9914	-1.66
30	VN	5200.0239	4.59	5199.9970	-0.58	5200.0225	4.32	5199.9973	-0.52
20	VN	5200.0013	0.24	5200.0237	4.56	5199.9797	-3.90	5199.9762	-4.58
10	VN	5199.9839	-3.10	5199.9937	-1.21	5199.9828	-3.31	5200.0006	0.11
0	VN	5199.9782	-4.20	5199.9820	-3.46	5199.9819	-3.48	5200.0063	1.22

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 J: 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-CDD	1.39	2.02	0.6881	68.81	1.62	0.72	1
11N20MIMO	1.30	1.92	0.6771	67.71	1.69	0.77	1
11N40MIMO	0.65	1.29	0.5039	50.39	2.98	1.54	2
11AC80MIMO	0.33	0.96	0.3438	34.38	4.64	3.03	4
11AX20MIMO	1.01	1.65	0.6121	61.21	2.13	0.99	1
11AX40MIMO	0.06	0.08	0.7500	75.00	1.25	16.67	17
11AX80MIMO	0.04	0.06	0.6667	66.67	1.76	25.00	25

Note:

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

Where: x is Duty Cycle (Linear)

Where: T is On Time

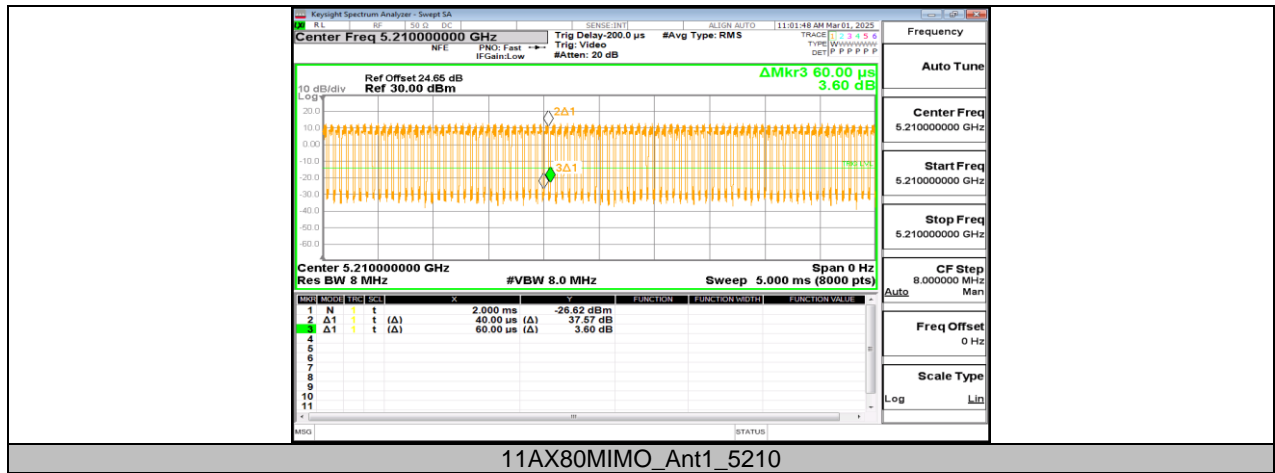
If that calculated VBW is not available on the analyzer then the next higher value should be used.

## 11.7.2. Test Graphs





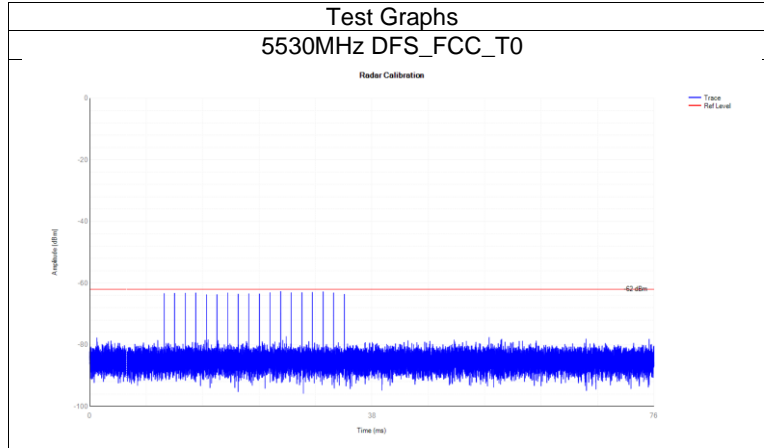




## 11.8. DYNAMIC FREQUENCY SELECTION

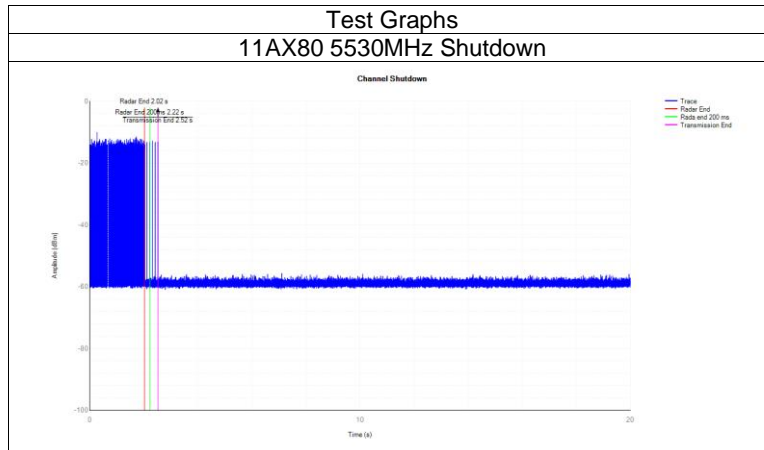
### 11.8.1. Calibration

Mode	Frequency (MHz)	Type	Result	Verdict
11AX80	5530	DFS_FCC_T0	See test Graph	Pass



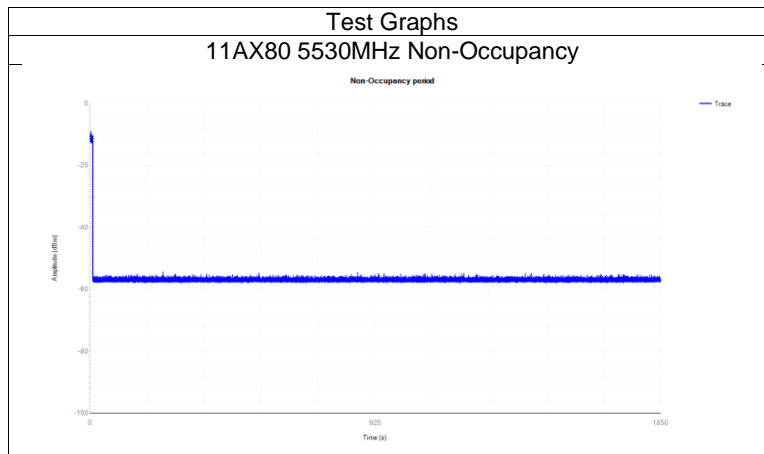
### 11.8.2. Shutdown Time

Mode	Frequenc y (MHz)	Channe l Move Time (s)	Limit Channe l Move Time (s)	Close Transmissio n Time (s)	Limit Close Transmissio n Time (s)	Close Transmissio n Time after 200ms(s)	Limit Close Transmissio n Time after 200ms (s)	Verdic t
11AX8 0	5530	0.5	10	0.01	0.26	0.003	0.06	Pass



### 11.8.3. Non-Occupancy

Mode	Frequency (MHz)	Result	Verdict
11AX80	5530	See test Graph	Pass



**END OF REPORT**