

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) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) | Freq.Error (MHz) | Tolerance (ppm) |
| TN | VL | 5200.0052 | 1.00 | 5199.9810 | -3.64 | 5200.0069 | 1.33 | 5199.9893 | -2.06 |
| TN | VN | 5200.0246 | 4.74 | 5199.9923 | -1.48 | 5199.9844 | -3.01 | 5200.0204 | 3.93 |
| TN | VH | 5199.9854 | -2.81 | 5200.0119 | 2.28 | 5199.9913 | -1.67 | 5199.9848 | -2.93 |
| 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) |
| 60 | VN | 5200.0155 | 2.97 | 5199.9865 | -2.59 | 5199.9846 | -2.97 | 5200.0081 | 1.55 |
| 50 | VN | 5200.0058 | 1.12 | 5199.9838 | -3.12 | 5200.0066 | 1.26 | 5199.9885 | -2.22 |
| 40 | VN | 5199.9914 | -1.66 | 5199.9766 | -4.50 | 5200.0041 | 0.79 | 5200.0201 | 3.87 |
| 30 | VN | 5199.9750 | -4.81 | 5200.0202 | 3.88 | 5199.9900 | -1.93 | 5200.0132 | 2.54 |
| 20 | VN | 5199.9863 | -2.64 | 5200.0068 | 1.31 | 5200.0122 | 2.34 | 5199.9797 | -3.91 |
| 10 | VN | 5199.9783 | -4.18 | 5200.0158 | 3.05 | 5199.9965 | -0.68 | 5200.0094 | 1.80 |
| 0 | VN | 5200.0053 | 1.02 | 5200.0107 | 2.05 | 5200.0136 | 2.62 | 5200.0140 | 2.69 |

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 | 1.43 | 1.53 | 0.9346 | 93.46 | 0.29 | 0.70 | 1 |
| 11N20SISO | 1.33 | 1.44 | 0.9236 | 92.36 | 0.35 | 0.75 | 1 |
| 11N40SISO | 0.66 | 0.76 | 0.8684 | 86.84 | 0.61 | 1.52 | 2 |
| 11AC80SISO | 0.06 | 0.16 | 0.3750 | 37.50 | 4.26 | 16.67 | 20 |

Note:

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

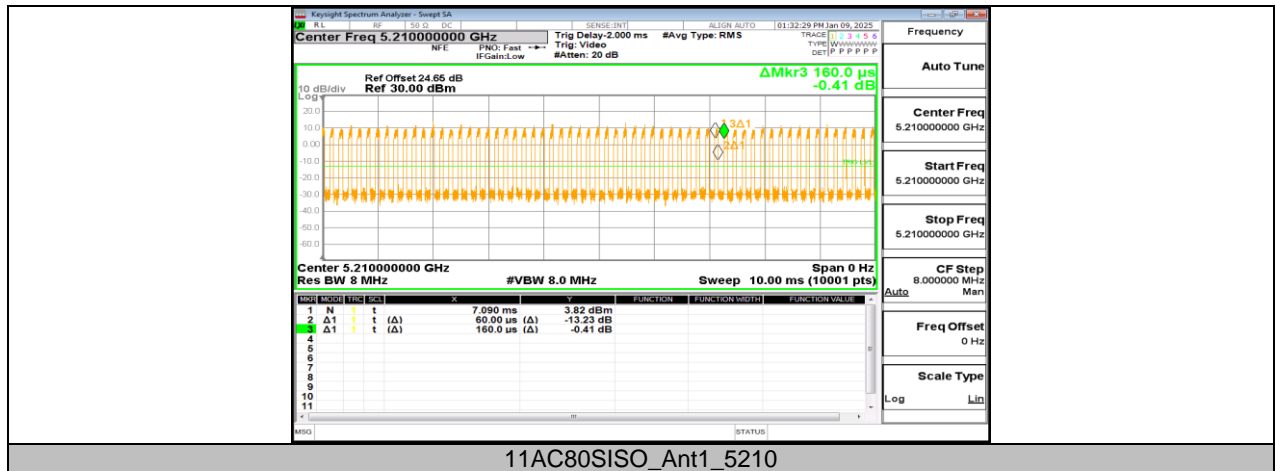
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

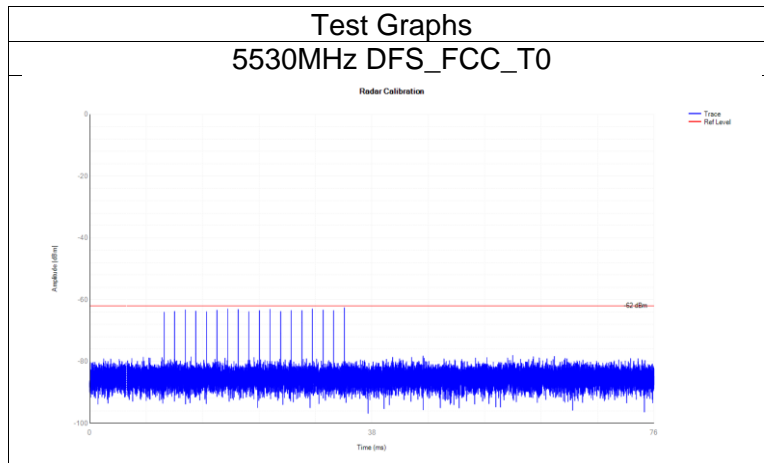
11.7.2. Test Graphs





11.8. APPENDIX H: CALIBRATION

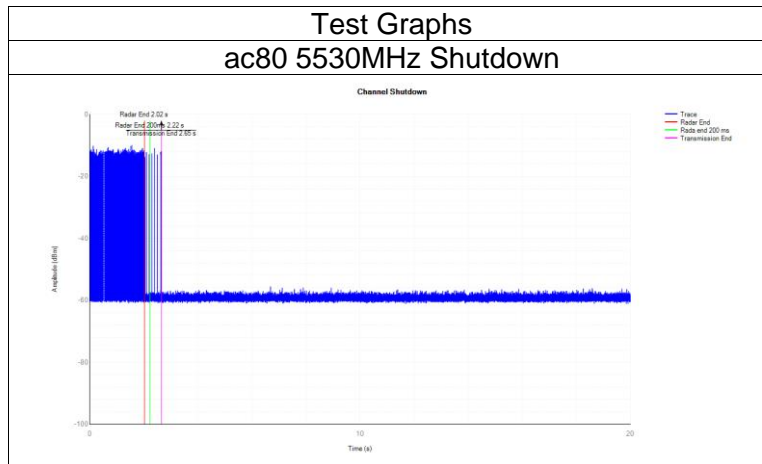
| Mode | Frequency (MHz) | Type | Result | Verdict |
|------|-----------------|------------|----------------|---------|
| ac80 | 5530 | DFS_FCC_T0 | See test Graph | Pass |



11.9. APPENDIX I: SHUTDOWN TIME

| Mode | Frequency (MHz) | Channel Move Time (s) | Limit Channel Move Time (s) | Close Transmissi on Time (s) | Limit Close Transmissi on Time (s) | Close Transmissi on Time after 200ms(s) | Limit Close Transmissi on Time after 200ms (s) | Verdict |
|------|-----------------|-----------------------|-----------------------------|------------------------------|------------------------------------|---|--|---------|
| ac80 | 5530 | 0.626 | 10 | 0.031 | 0.26 | 0.025 | 0.06 | Pass |

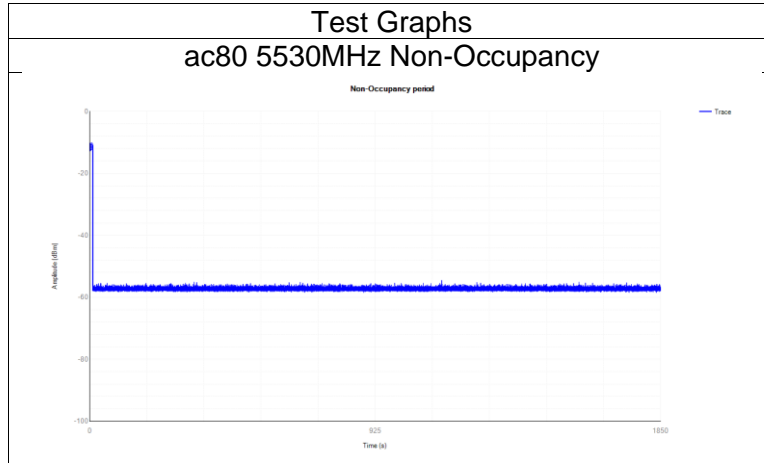
Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



11.10. APPENDIX J: NON-OCCUPANCY

| Mode | Frequency (MHz) | Result | Verdict |
|------|-----------------|----------------|---------|
| ac80 | 5300 | See test Graph | Pass |

Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



END OF REPORT