

11.6. APPENDIX D: FREQUENCY STABILITY 11.6.1. Test Result

	Frequency Error vs. Voltage										
	802.11a:5180MHz										
_	Volt.	0 Minute		2 Minute		5 Mir	5 Minute		nute		
Temp.		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)		
TN	VL	5179.9871	-2.49	5179.9912	-1.70	5179.9958	-0.82	5179.9891	-2.11		
TN	VN	5180.0053	1.03	5179.9836	5179.9836 - 3 .17		-3.80	5180.0225	4.35		
TN	N VH 5179.9955 -0.87 5179.9985 -0.29				-0.29	5179.9776	-4.33	5180.0057	1.11		
				Frequency	Error vs. Temp	perature					
				802	.11a:5180MHz	<u>:</u>					
-	Volt.	0 Minute		2 Minute		5 Min	ute	10 Minute			
Temp.		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)		
40	VN	5179.9947	-1.03	5179.9876	-2.40	5180.0101	1.94	5179.9780	-4.24		
30	VN	5180.0116	2.24	5179.9926	-1.43	5179.9812	-3.63	5180.0191	3.70		
20	VN	5180.0050	0.96	5180.0183	3.53	5179.9975	-0.48	5179.9834	-3.21		
10	VN	5179.9755	-4.74	5179.9769	-4.47	5180.0081	1.57	5180.0245	4.73		
0	VN	5180.0125	2.41	5179.9768	-4.47	5179.9774	-4.36	5179.9939	-1.18		

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											
		0 Minute		2 Minute		5 Min	ute	10 Minute			
Temp.	Volt.	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)		
TN	VL	5824.9997	-0.06	5825.0024	0.41	5824.9814	-3.20	5824.9977	-0.39		
TN	VN	5825.0040	0.68	5825.0187	5825.0187 3.21		-2.38	5825.0126	2.17		
TN	VH 5825.0174 2.99 5825.0161 2.76				2.76	5824.9882	-2.03	5825.0205	3.52		
				Frequency	Error vs. Temp	perature					
				802	.11a:5825MHz	<u>:</u>					
_	Volt.	0 Minute		2 Min	ute	5 Min	5 Minute		10 Minute		
Temp.		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)		
40	VN	5824.9889	-1.91	5825.0098	1.68	5825.0111	1.91	5825.0023	0.39		
30	VN	5825.0011	0.20	5825.0244	4.18	5824.9848	-2.60	5825.0219	3.75		
20	VN	5824.9890	-1.90	5824.9832	-2.88	5824.9997	-0.04	5825.0166	2.85		
10	VN	5825.0067	1.15	5824.9921	-1.36	5824.9869	-2.26	5824.9908	-1.59		
0	VN	5825.0212	3.64	5825.0104	1.78	5824.9818	-3.12	5824.9776	-3.84		

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 E: 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	1.36	2.36	0.5763	57.63	2.39	0.74	1
11N20SISO	1.27	2.27	0.5595	55.95	2.52	0.79	1
11N40SISO	0.63	1.63	0.3865	38.65	4.13	1.59	2
11AC80SISO	0.32	1.32	0.2424	24.24	6.15	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





							<
MultiView Spectrum							
Ref Level 25.00 dBm Offset							SGL
 Att 20 dB = SWT TRG:VID 	5 ms 🗢 VBW 10 MHz						Count 1/1
1 Zero Span							O 1Pk Clrw
20 dBm							M1[1] -32.66 dBm 1.180 000 ms
10 48							D1[1] 4.35 dB
10 dBm	A HANNEY		ANNON			A HANNER	320.000 µs
0 dBm							
-10 dBm							
TRG -16.50	0 dBm		_				_
-20 dBm							1. 1
BO dBm Provident and the state			Apple 22		daile daile na daile Ann an an Anna Anna Anna Anna Anna Anna		il and a statistic size of the state was associated
-40 dBm		and date and other halfs	· · · ·	and other sectors.	care or heats		the state of the state of
-50 dBm							
-60 dBm							
-70 dBm							
CF 5.21 GHz 2 Marker Table		8000	pts				500.0 μs/
Type Ref Trc	X-Value	Y-Value		Function		Function	Result
M1 1 D1 M1 1	1.18 ms 320.0 μs 1.32 ms	-32.66 dBm 4.35 dB 2.78 dB					
D2 M1 1					_		2022 02 25
19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -	Last	t self alignment older than 30 days.			Ready		2023-07-25 02:35:46
02:35:46 AM 07/25/2023							
	11	AC80SISO	Δnt3	5210			



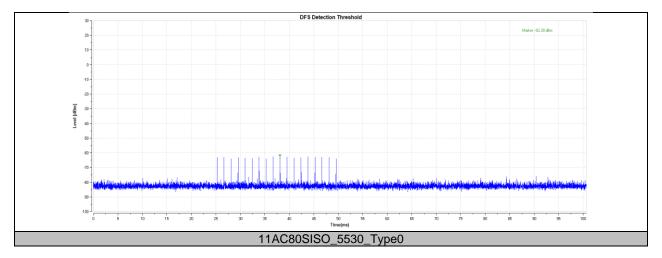
11.8. APPENDIX F: DFS DETECTION THRESHOLDS 11.8.1. Test Result

Test Mode	Channel	Radar Type	Result	Verdict
11AC80SIS	D 5530	Type0	-62.28	PASS

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



11.8.2. Test Graphs





11.9. APPENDIX G: CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

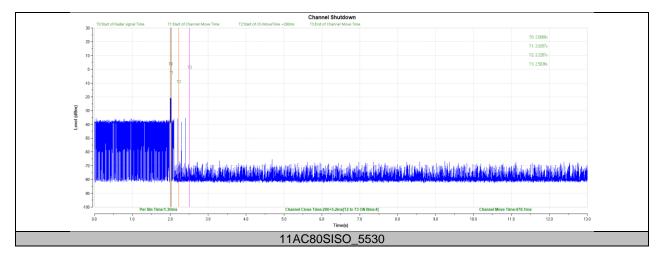
11.9.1. Test Result

Test Mode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC80SISO	5530	200+5.2	200+60	478.1	10000	PASS

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



11.9.2. Test Graphs





11.10. APPENDIX H: NON-OCCUPANCY PERIOD

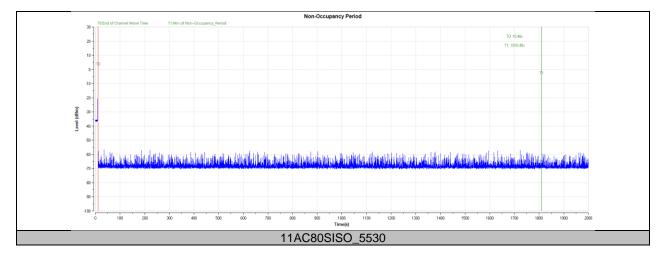
Test Result

Test Mode	Channel	Result	Limit[s]	Verdict
11AC80SISO	5530	see test graph	≥1800	PASS

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



11.10.1. Test Graphs



END OF REPORT