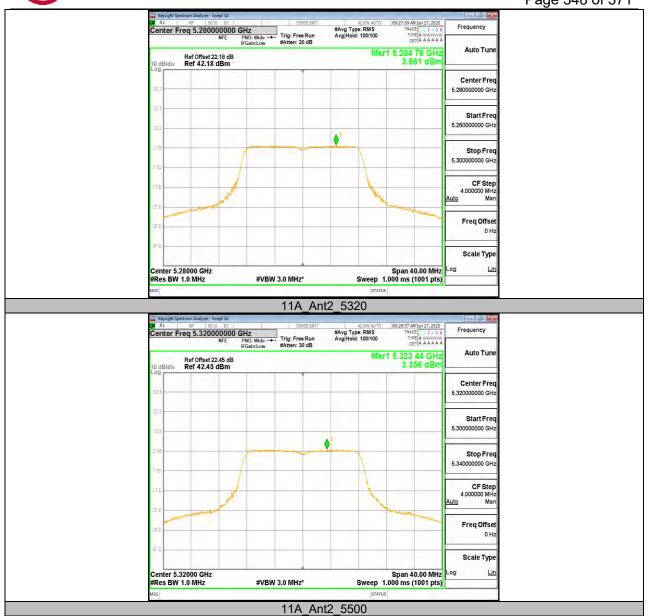
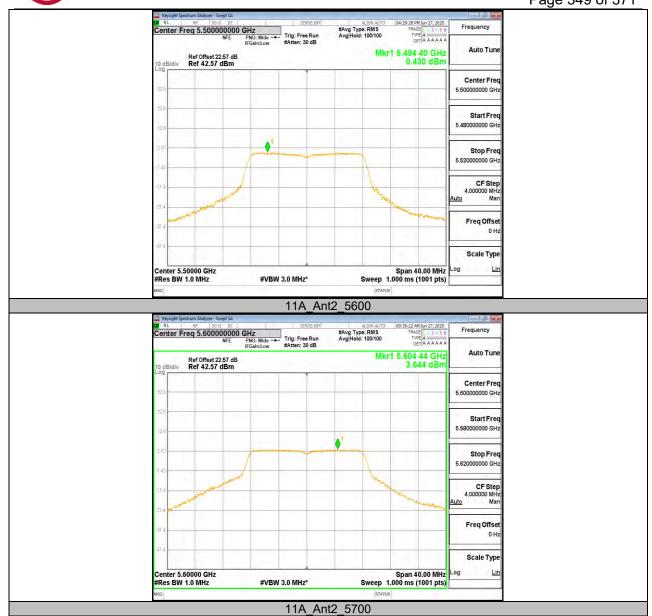
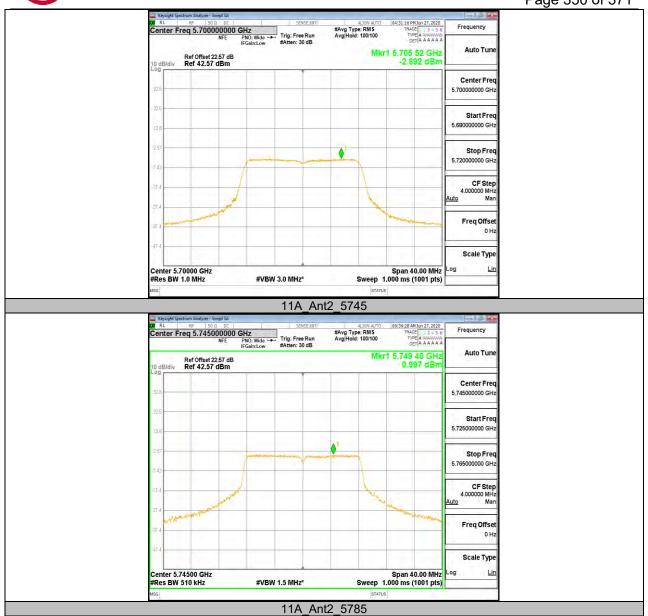
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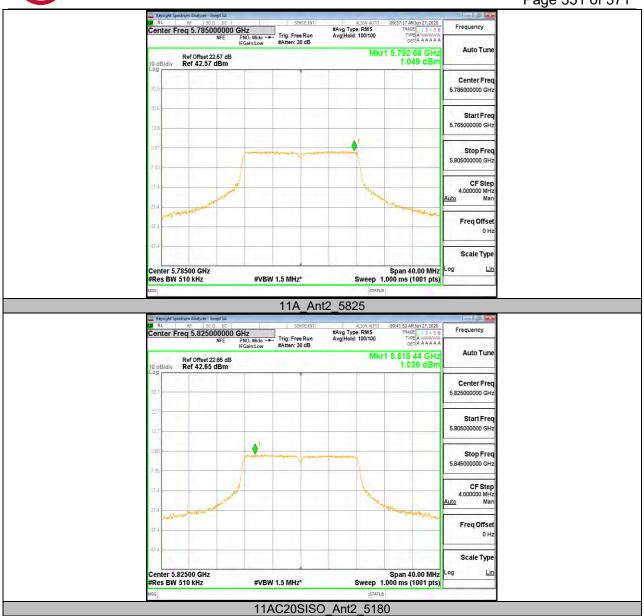
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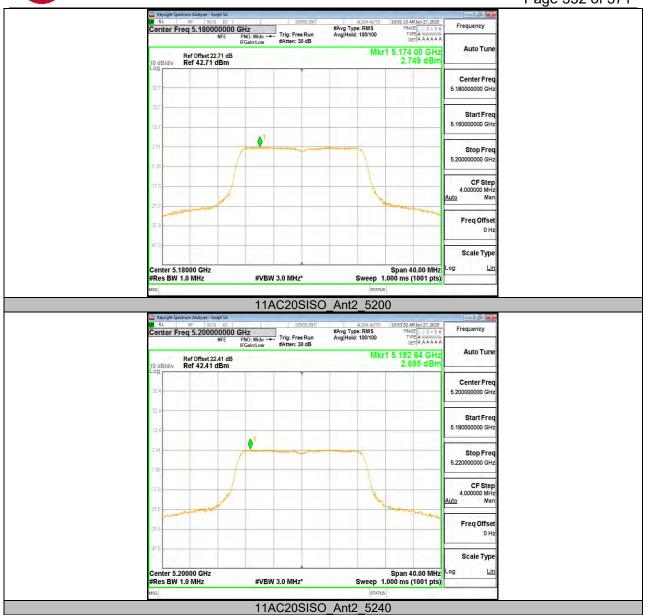
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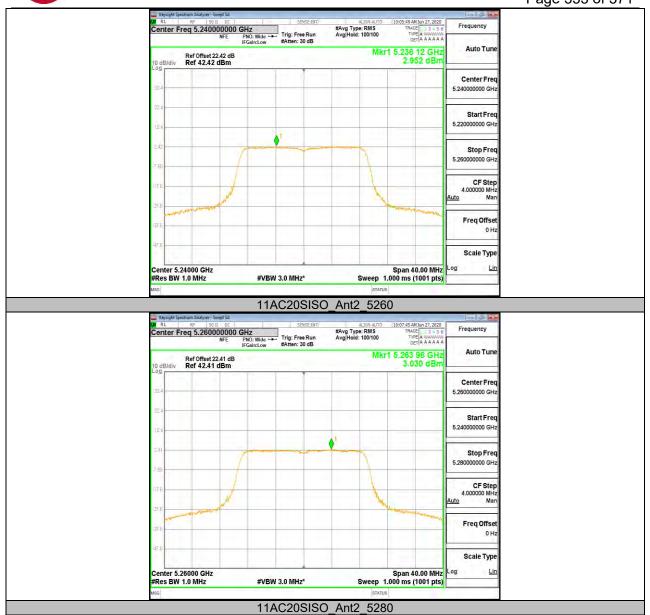
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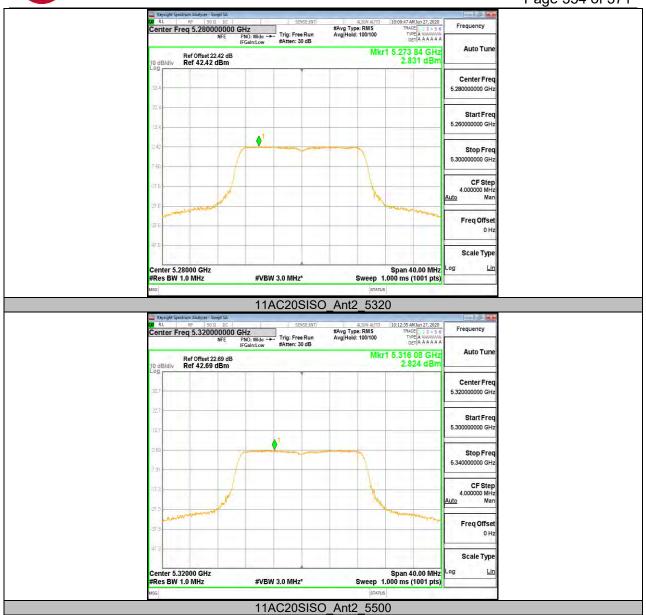
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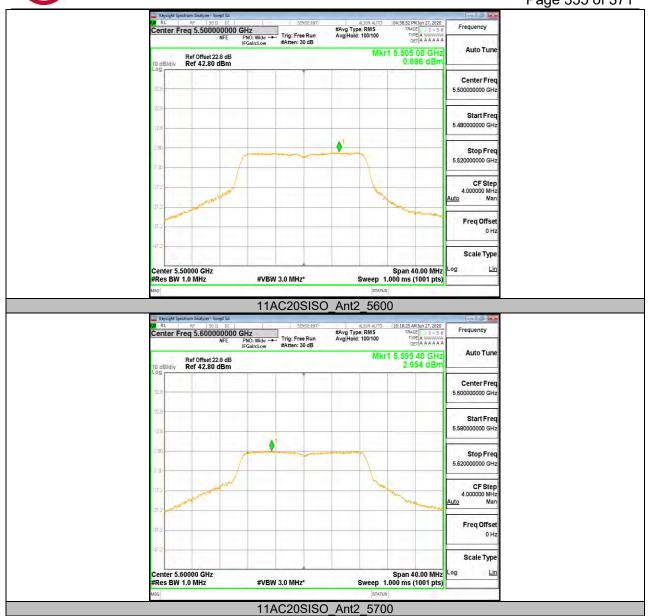
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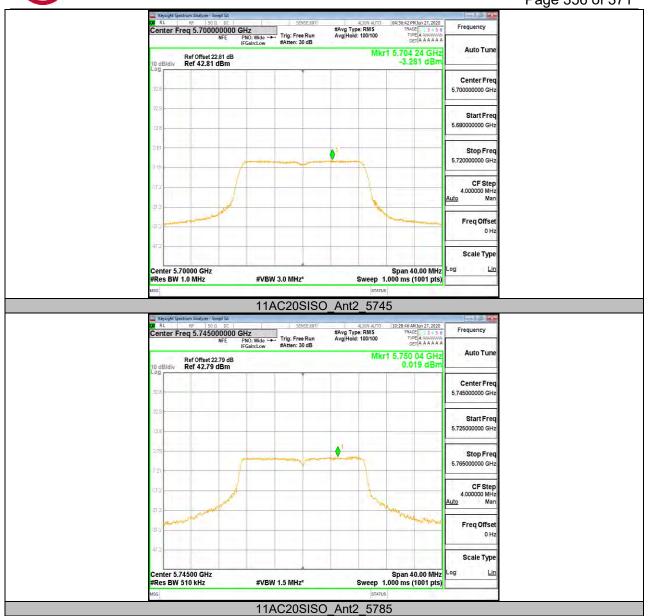
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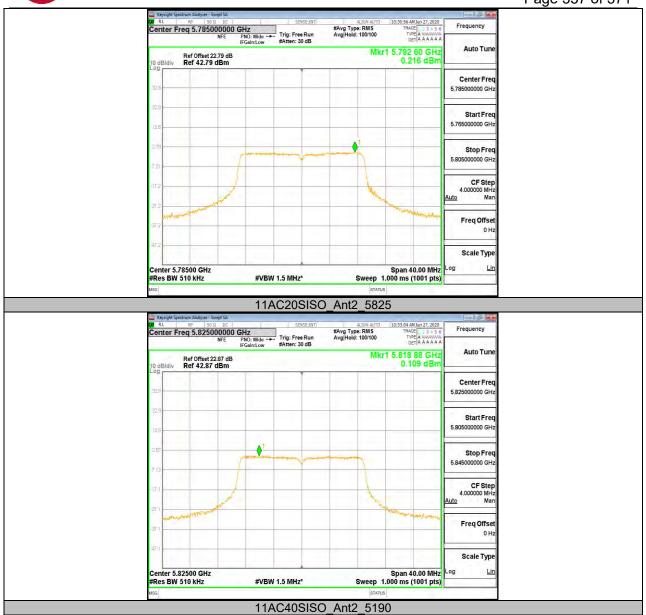
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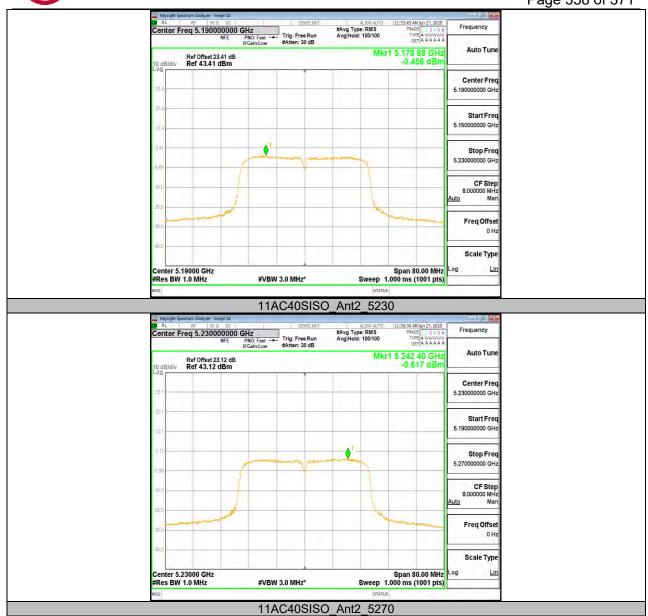
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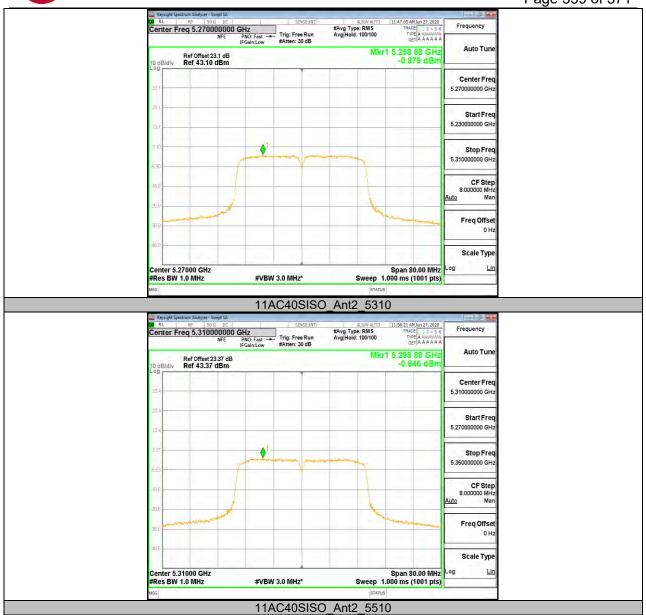
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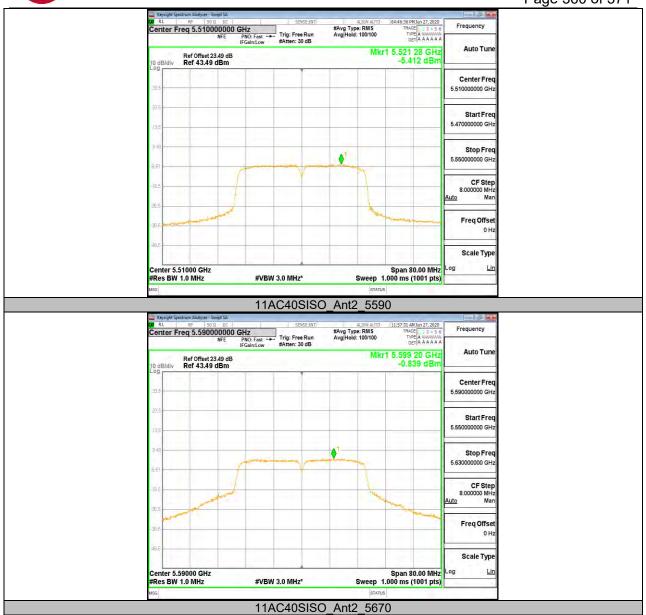
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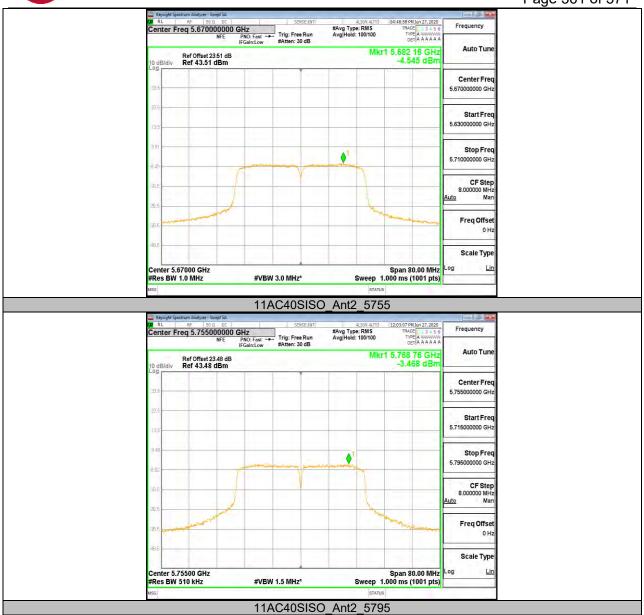
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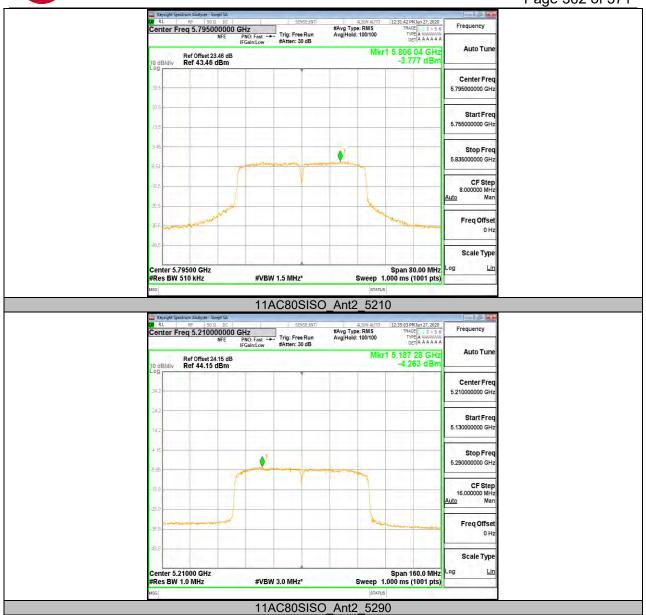
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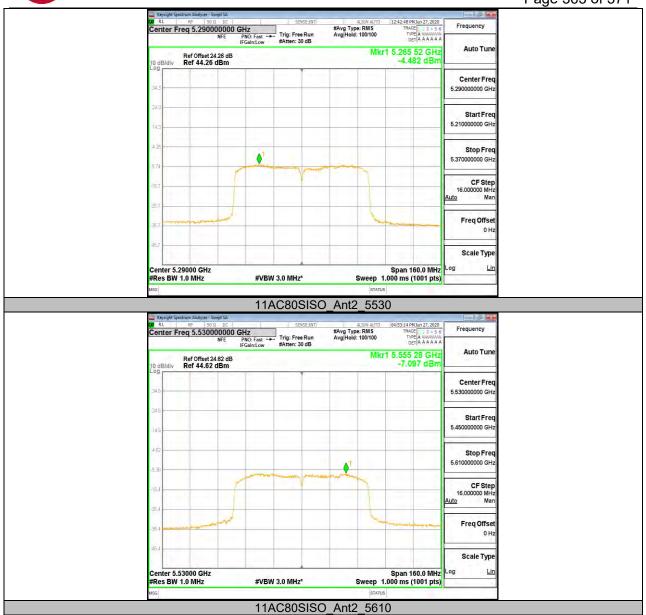
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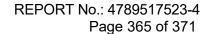


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12.6. Appendix D: Duty Cycle 12.6.1. Test Result

Mode	ON Time (ms)	Period (ms)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (KHz)	Final setting For VBW (KHz)
802.11a 20	1.36	1.56	0.8719	87.19	0.60	0.73	1
802.11ac VHT20	0.97	1.17	0.8296	82.96	0.81	1.03	1
802.11ac VHT40	0.49	0.69	0.7070	70.70	1.51	2.04	3
802.11ac VHT80	0.25	0.45	0.5537	55.37	2.57	4	4

Note:

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

Where: x is Duty Cycle (Linear)

Where: T is On Time

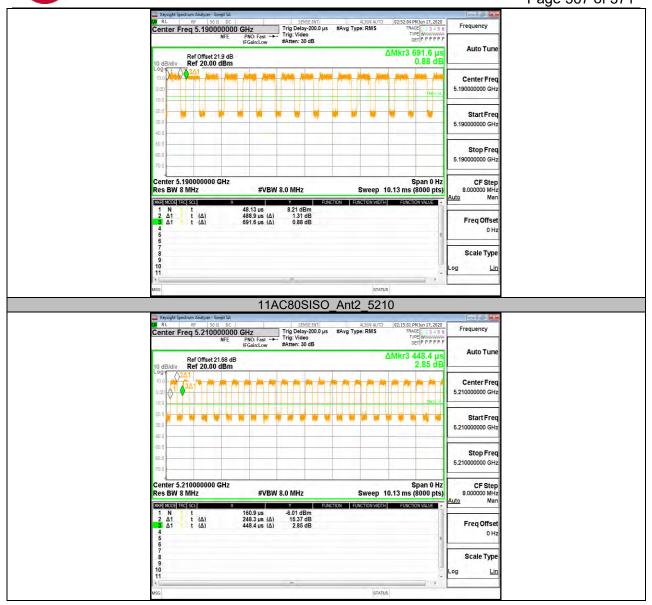
If that calculated VBW is not available on the analyzer then the next higher value should be used.



12.6.2. Test Graphs



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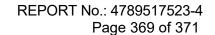




12.7. Appendix E: Frequency Stability

12.7.1. Test Result

Frequency Error vs. Voltage										
802.11a20:5200MHz										
	0 Minute 2 Minute 5 Minute 10 Minute									
Temp. Vol	Volt									
	V OIL.	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	
TN	VL	5200.0322	6.19	5200.0311	5.98	5200.0221	4.25	5200.0365	7.02	
TN	VN	5200.0312	6.00	5200.0322	6.19	5200.0321	6.17	5200.0299	5.75	
TN	VH	5200.0344	6.62	5200.0267	5.13	5200.0266	5.12	5200.0309	5.94	
	Frequency Error vs. Temperature									
				802.1	1a20:5200MI	Hz				
_		0 Minute		2 Minute		5 Minute		10 Minute		
Temp.	Volt.	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	
60	VN	5200.0136	2.62	5199.9793	-3.97	5200.0081	1.56	5200.0227	4.36	
50	VN	5200.0312	6.00	5200.0322	6.19	5200.0209	4.02	5200.0321	6.17	
40	VN	5200.0186	3.58	5199.9874	-2.43	5200.0102	1.96	5199.9803	-3.78	
30	VN	5200.0242	4.65	5200.0290	5.58	5200.0211	4.06	5200.0233	4.48	
20	VN	5200.0315	6.06	5200.0241	4.63	5200.0208	4.00	5200.0243	4.67	
10	VN	5200.0234	4.50	5200.0225	4.38	5200.0211	4.06	5200.0165	3.17	
0	VN	5200.0157	3.02	5200.0323	4.00	5200.0231	4.44	5200.0312	6.00	





Frequency Error vs. Voltage 802.11a20:5825MHz 0 Minute 10 Minute 2 Minute 5 Minute Volt. Temp. Freq.Error Tolerance Freq.Error Tolerance Freq.Error Tolerance Freq.Error Tolerance (MHz) (MHz) (MHz) (MHz) (ppm) (ppm) (ppm) (ppm) TN VL 5825.0255 4.38 5825.0311 5.34 5825.0265 4.55 5825.0411 7.06 ΤN VN 5825.0221 3.79 5825.0328 5.63 5825.0255 4.38 5825.0389 6.68 TN VΗ 5825.0265 4.55 5825.0354 6.08 5825.0312 5.36 5825.0367 6.30

Frequency Error vs. Temperature

802.11a20:5825MHz

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	5825.0127	2.17	5825.0188	3.24	5824.9961	-0.67	5824.9994	-0.10
50	VN	5825.0209	3.59	5825.0255	4.38	5825.0232	3.98	5825.0245	4.21
40	VN	5825.0016	0.28	5824.9945	-0.94	5825.0080	1.37	5825.0170	2.92
30	VN	5825.0211	3.62	5825.0233	4.00	5825.0309	5.30	5825.0132	2.27
20	VN	5825.0179	3.07	5825.0209	3.59	5825.0219	3.76	5825.0233	4.00
10	VN	5825.0312	5.36	5825.0318	5.46	5825.0235	4.03	5825.0258	4.43
0	VN	5825.0211	3.62	5825.0166	2.85	5825.0286	4.91	5825.0233	4.00

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

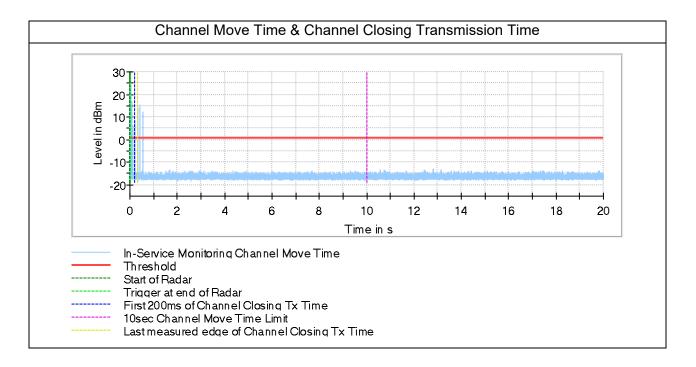


12.8. Appendix F: Dynamic Frequency Selection

12.8.1. Test Result

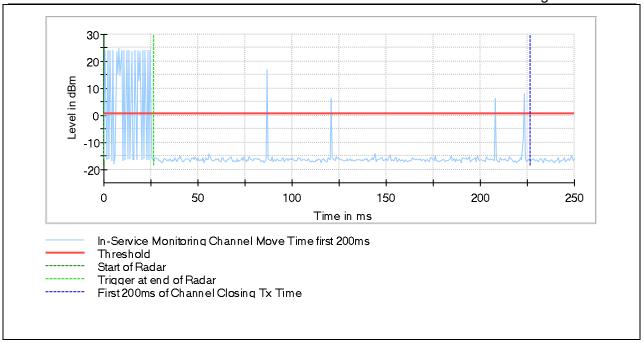
802.11ac VHT80 Mode

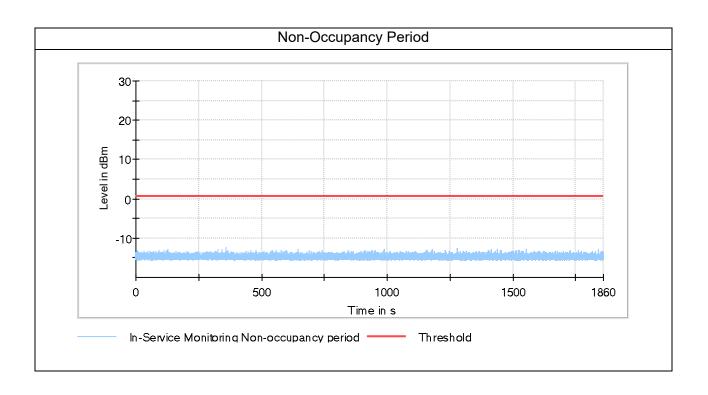
BW/Channel	Test Item	Test Result	Limit	Results
	Channel Move Time	0.31S	<10 s	pass
	Channel Closing Transmission Time	0.008S	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.	pass
80MHz / 5290MHz	Non-Occupancy Period	Nothing appears	If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.	pass





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END OF REPORT