



11A Ant2 5320



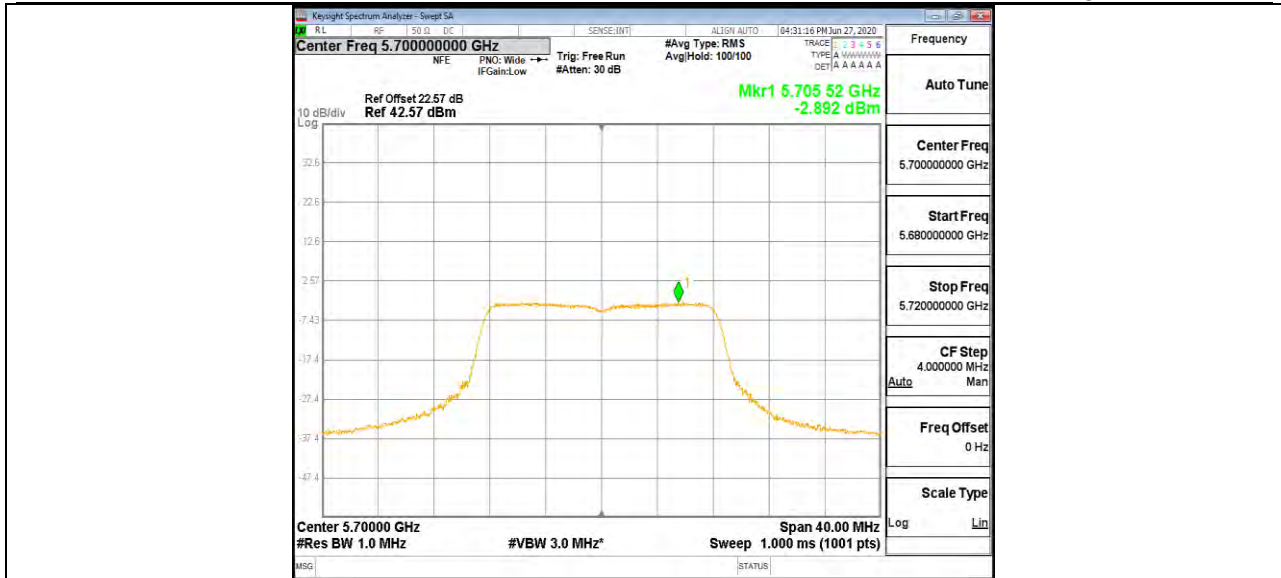
11A Ant2 5500



11A Ant2 5600



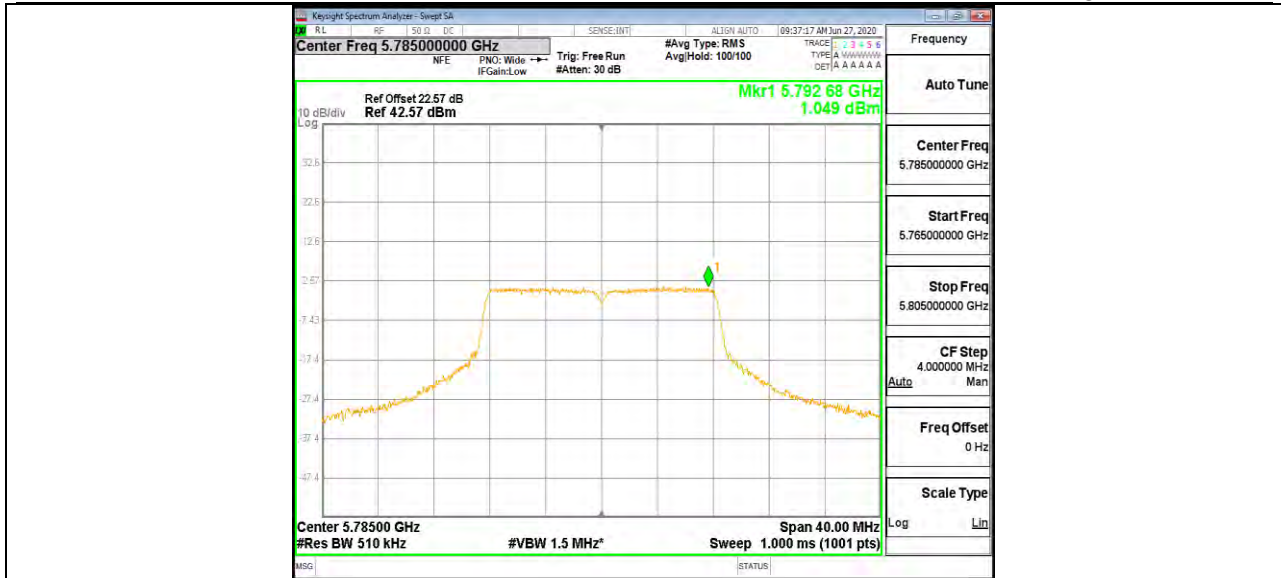
11A Ant2 5700



11A\_Ant2\_5745



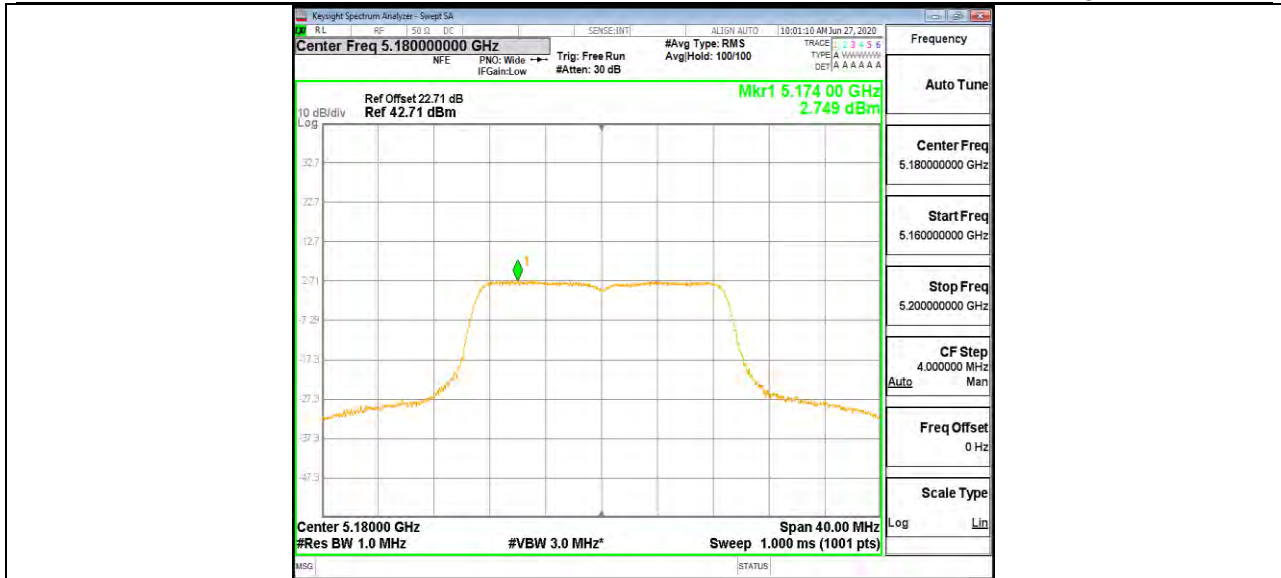
11A\_Ant2\_5785



11A Ant2 5825



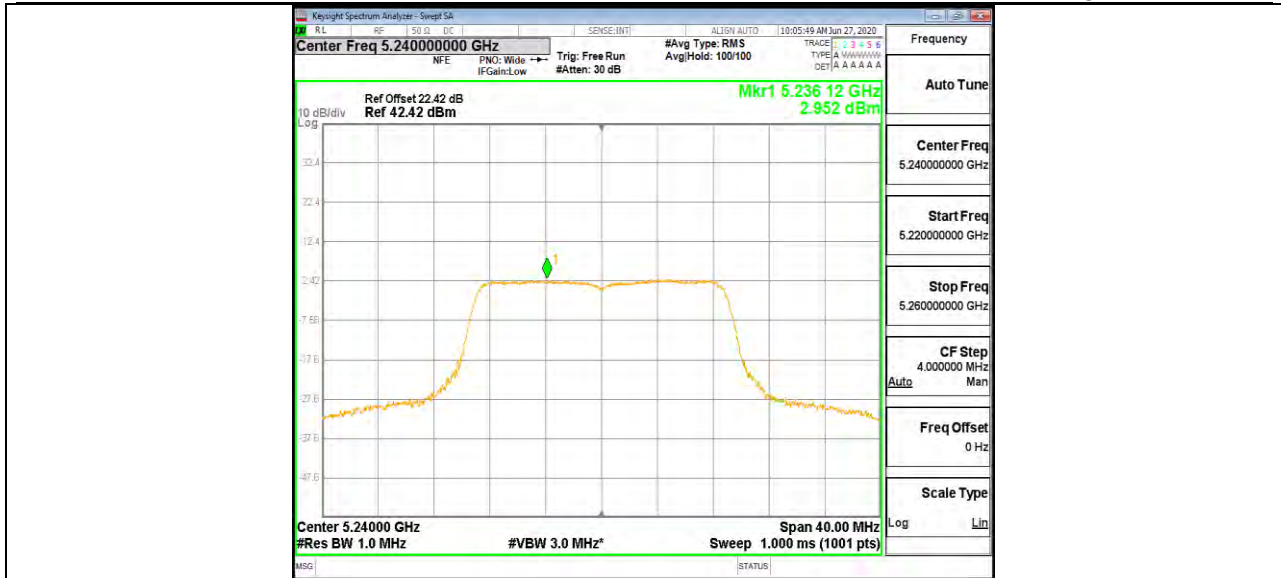
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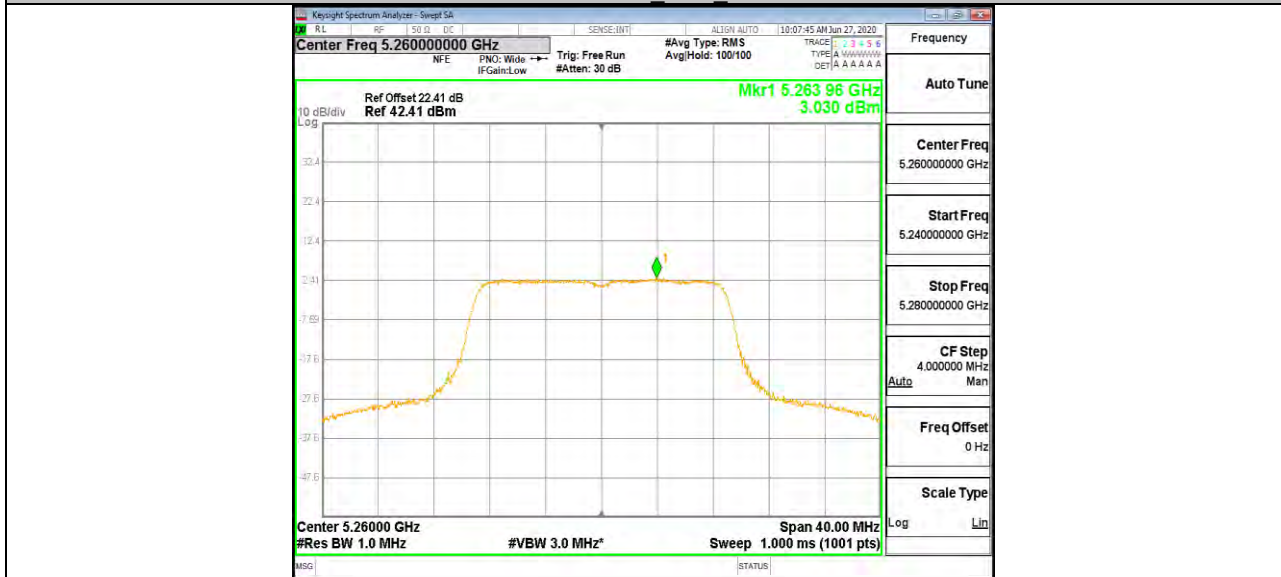
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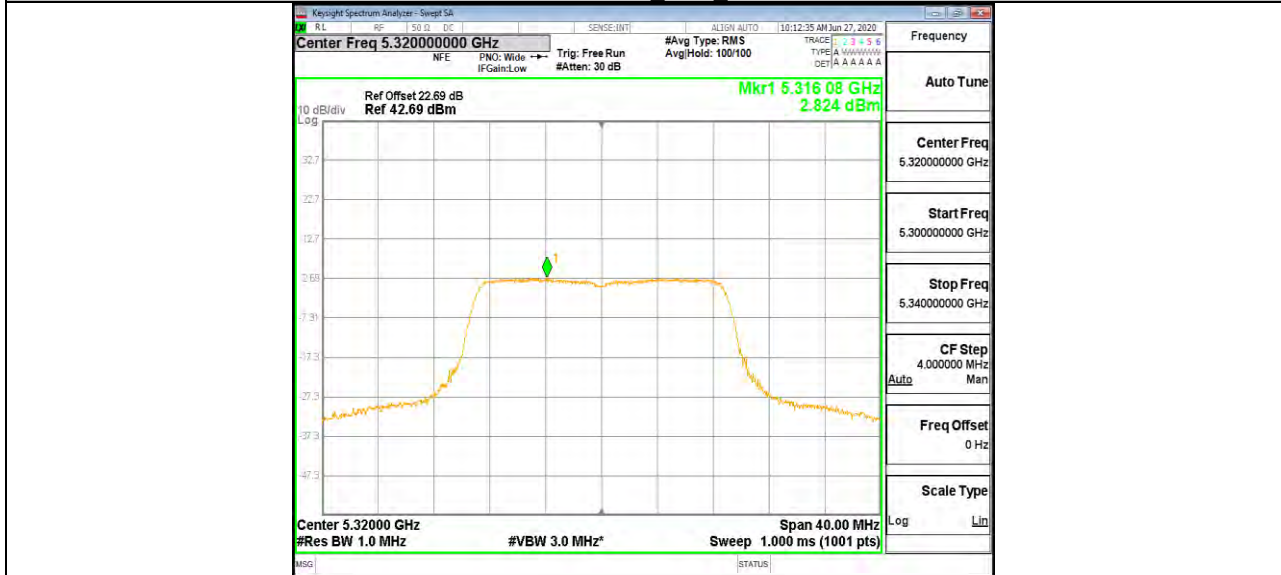
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11AC20SISO Ant2 5280



11AC20SISO Ant2 5320



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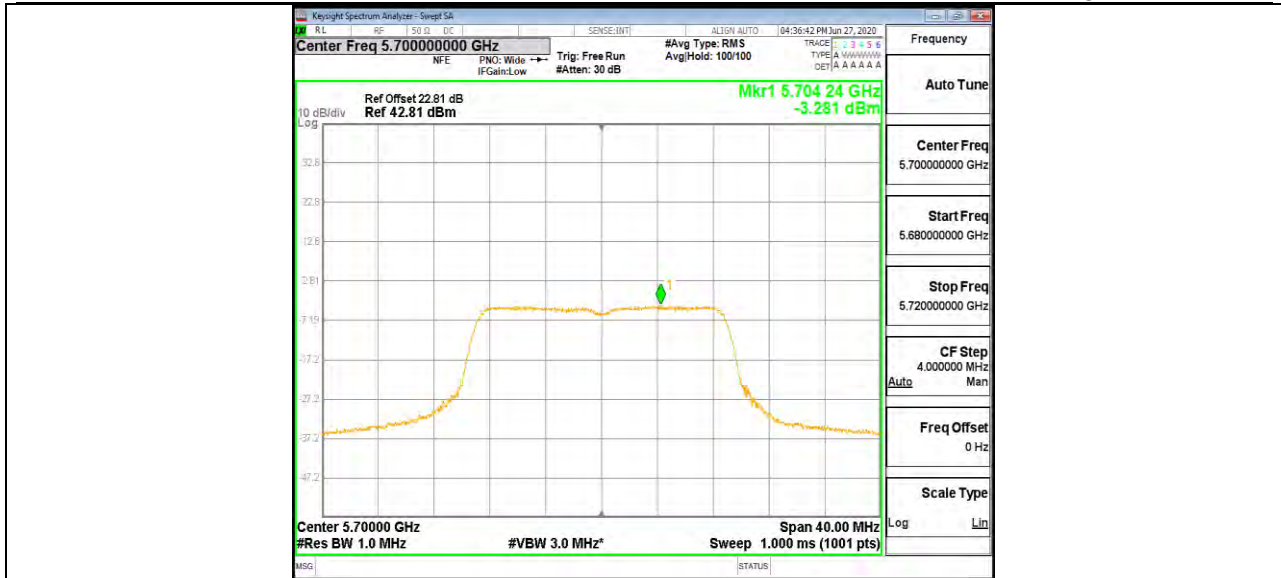


11AC20SISO Ant2 5600



11AC20SISO Ant2 5700

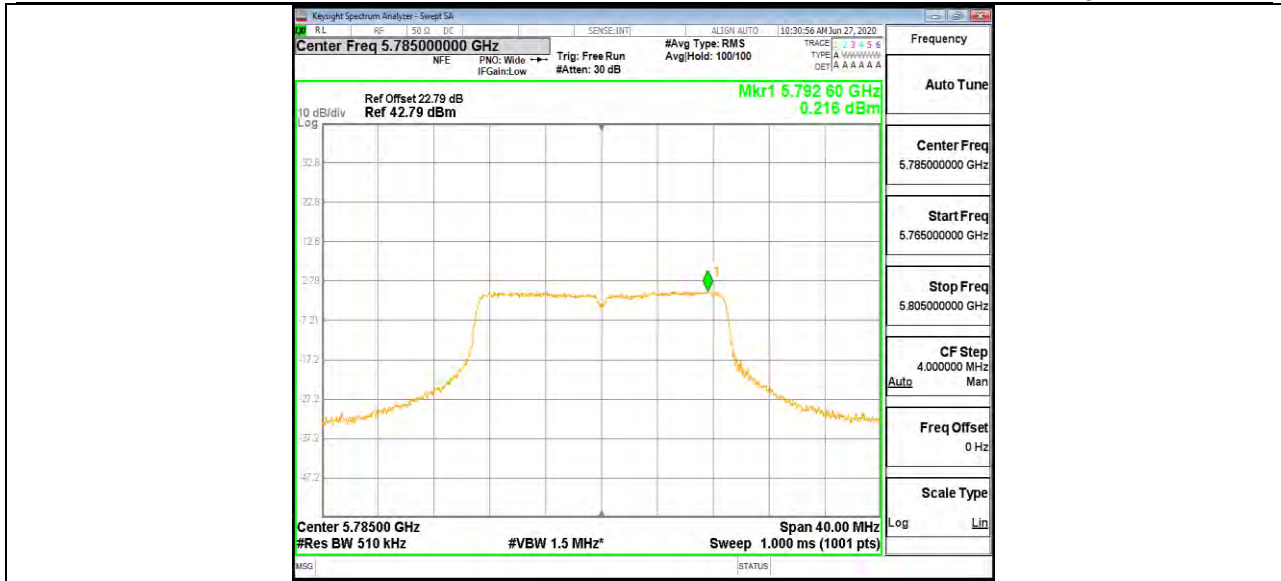




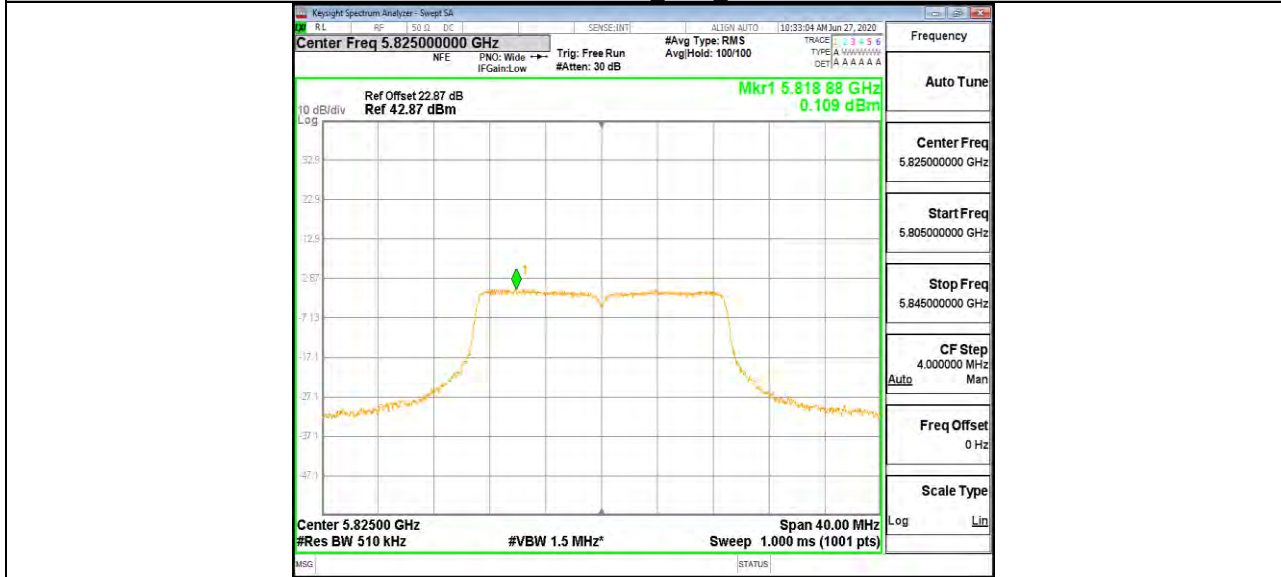
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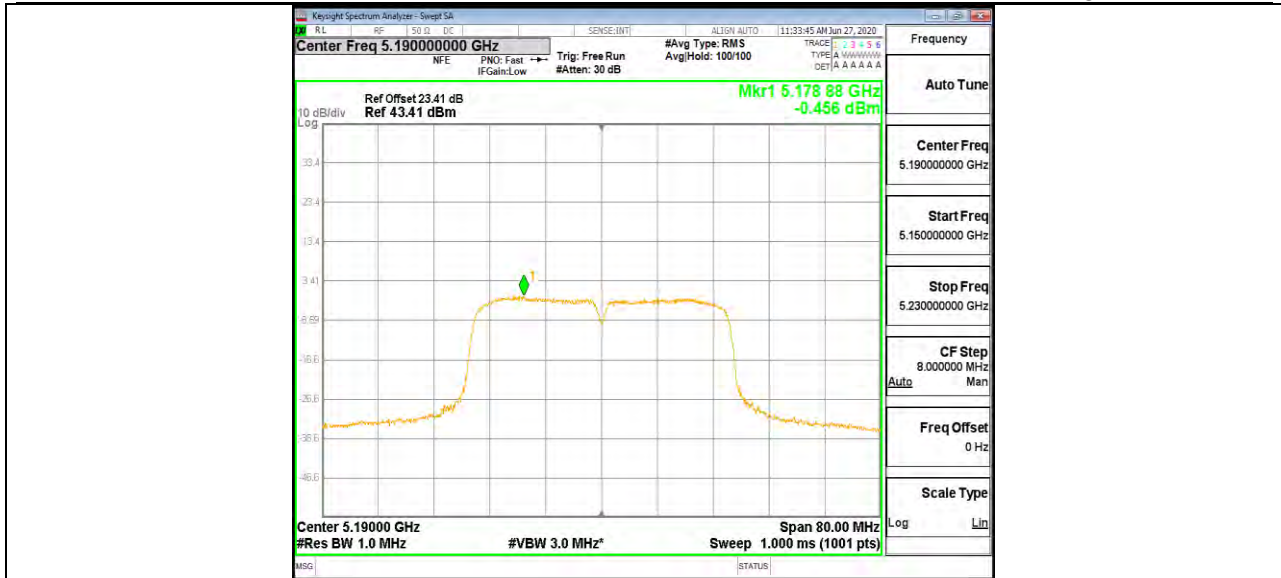
11AC20SISO Ant2 5785



11AC20SISO Ant2 5825



11AC40SISO Ant2 5190



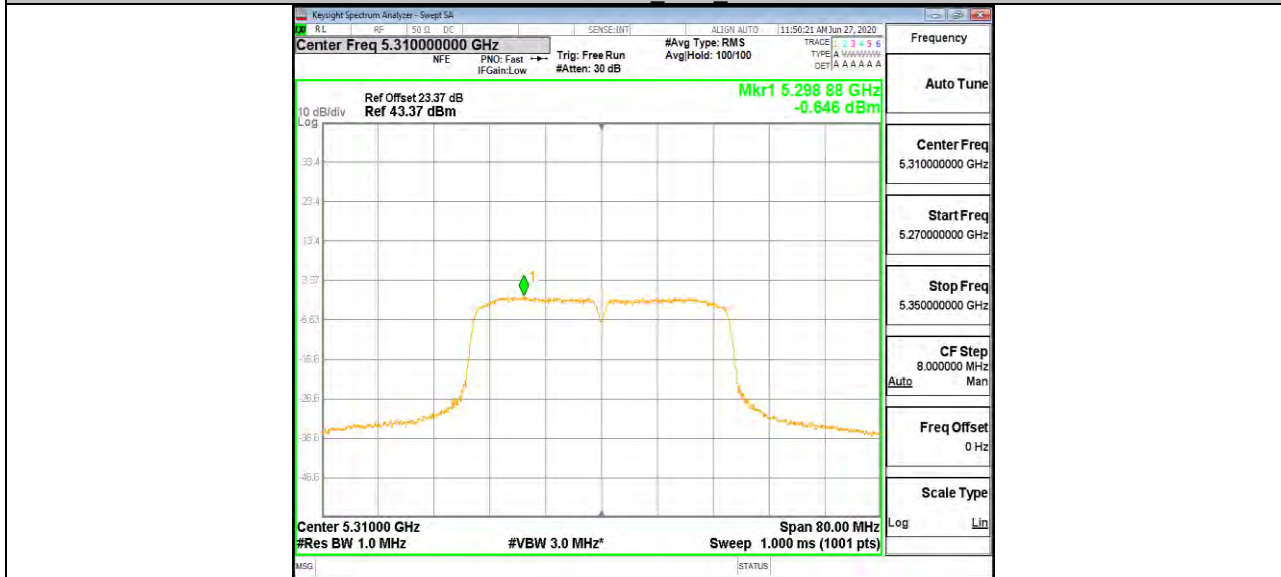
11AC40SISO Ant2 5230



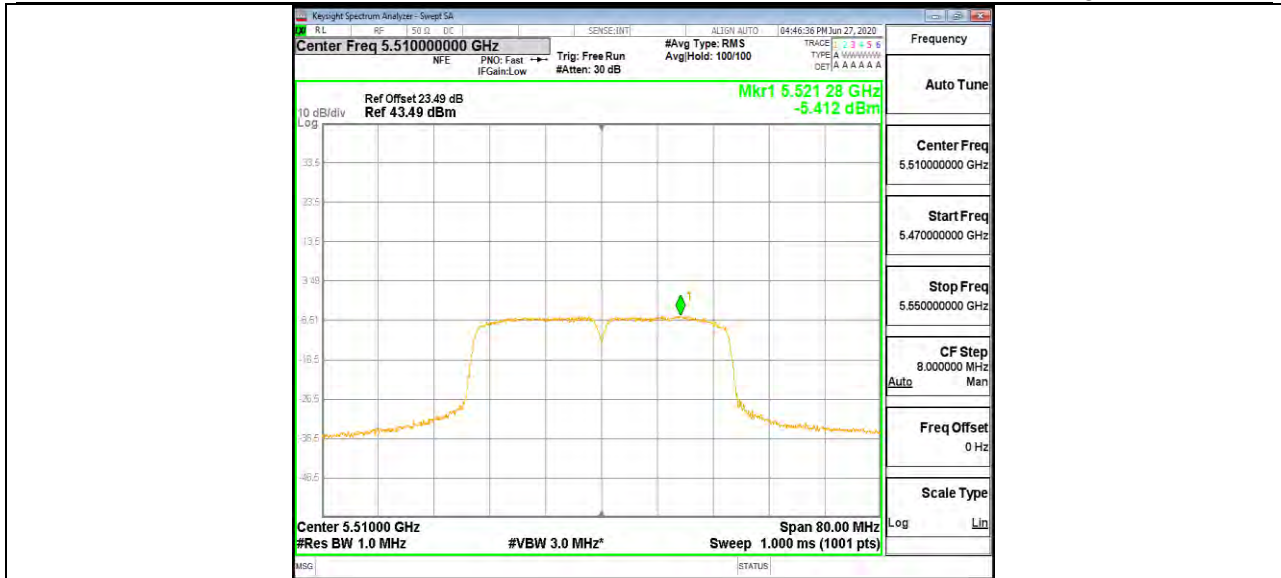
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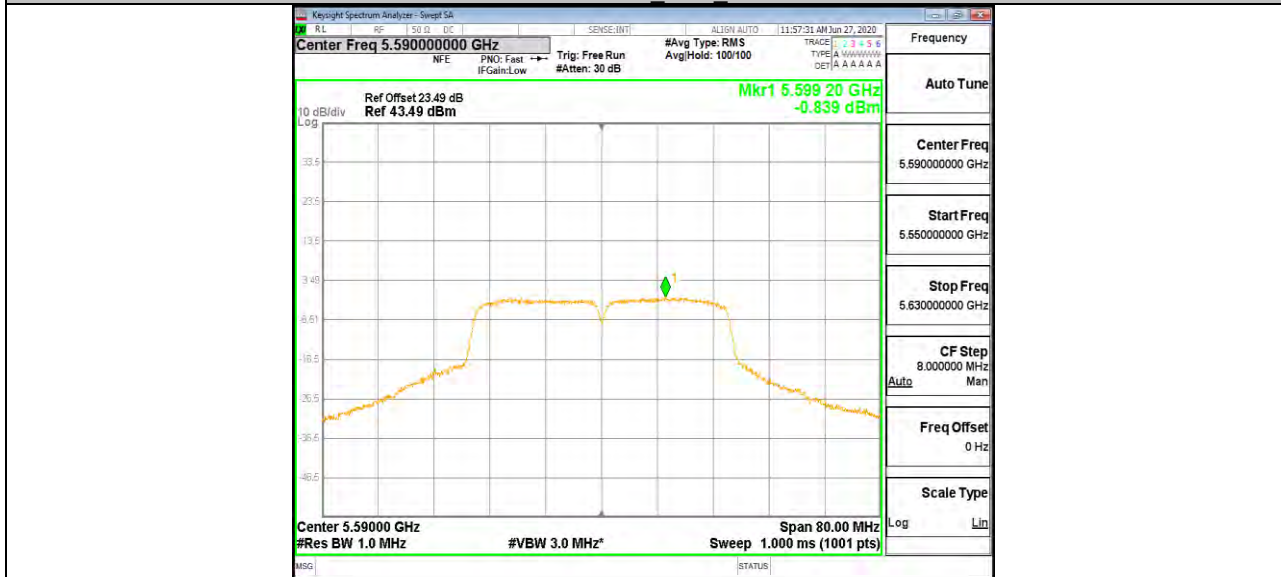
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11AC40SISO Ant2 5510



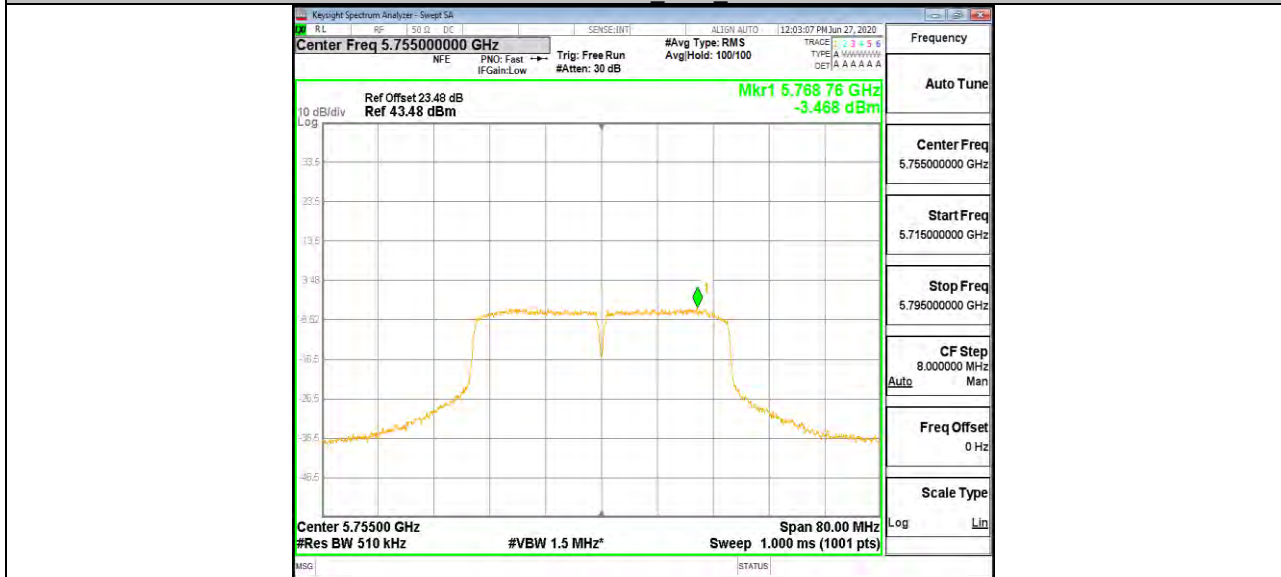
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11AC40SISO Ant2 5670



11AC40SISO Ant2 5755



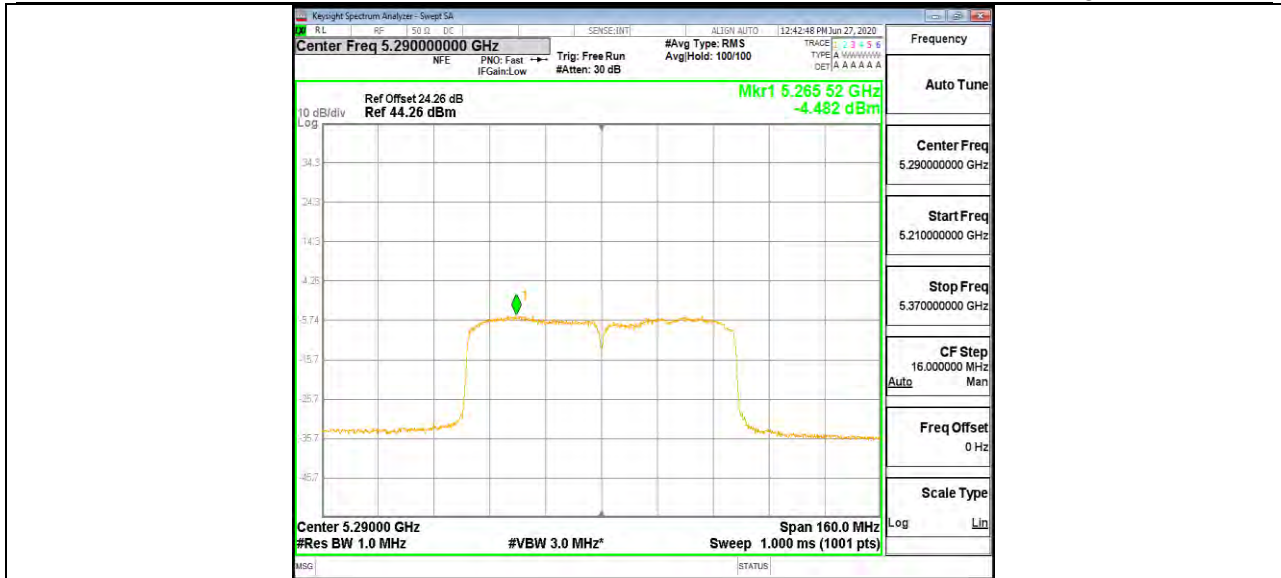
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11AC80SISO Ant2 5210



11AC80SISO Ant2 5290



11AC80SISO Ant2 5530



11AC80SISO Ant2 5610





11AC80SISO Ant2 5775





## 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= $10\log(1/x)$ .

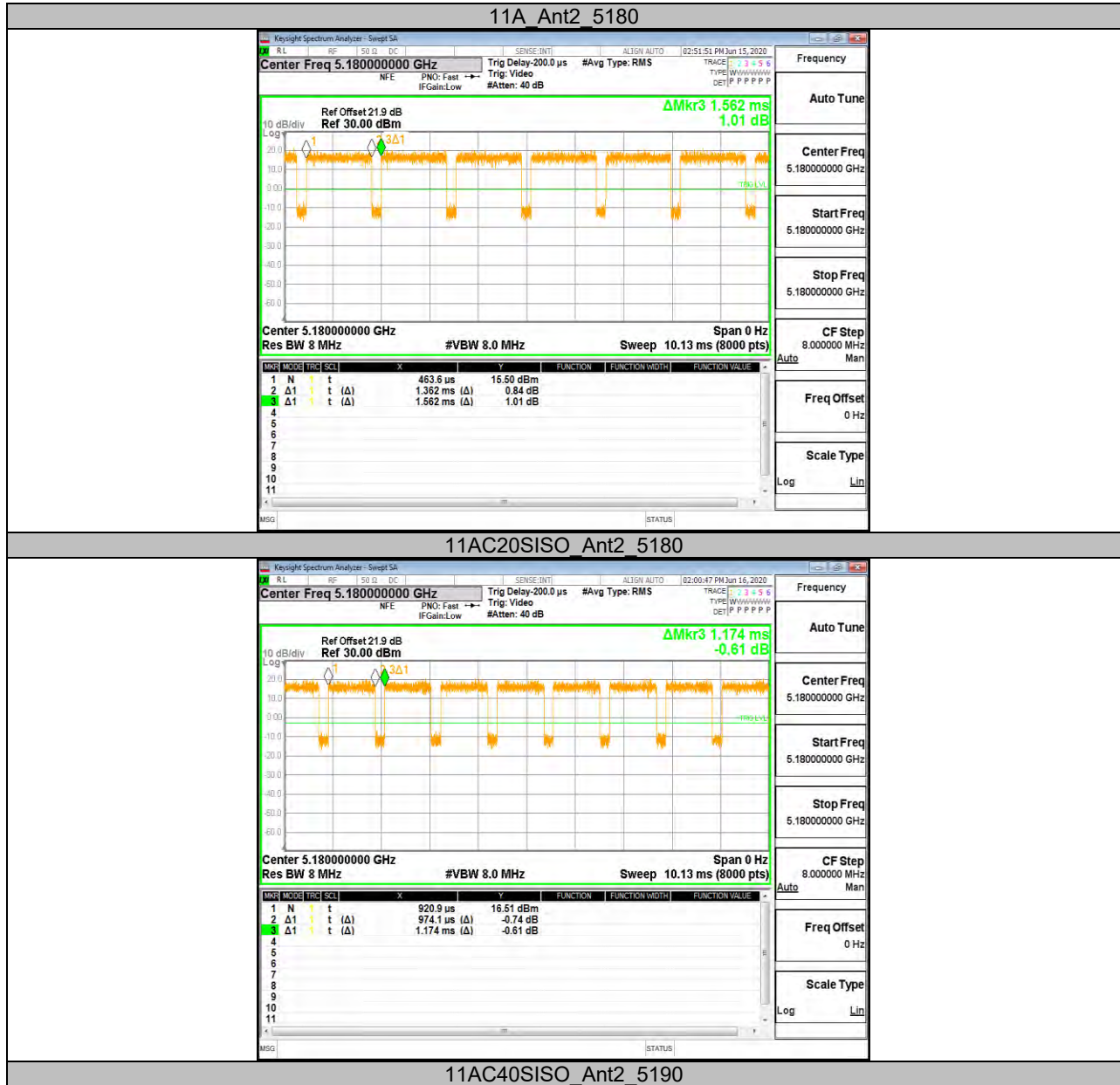
Where: x is Duty Cycle (Linear)

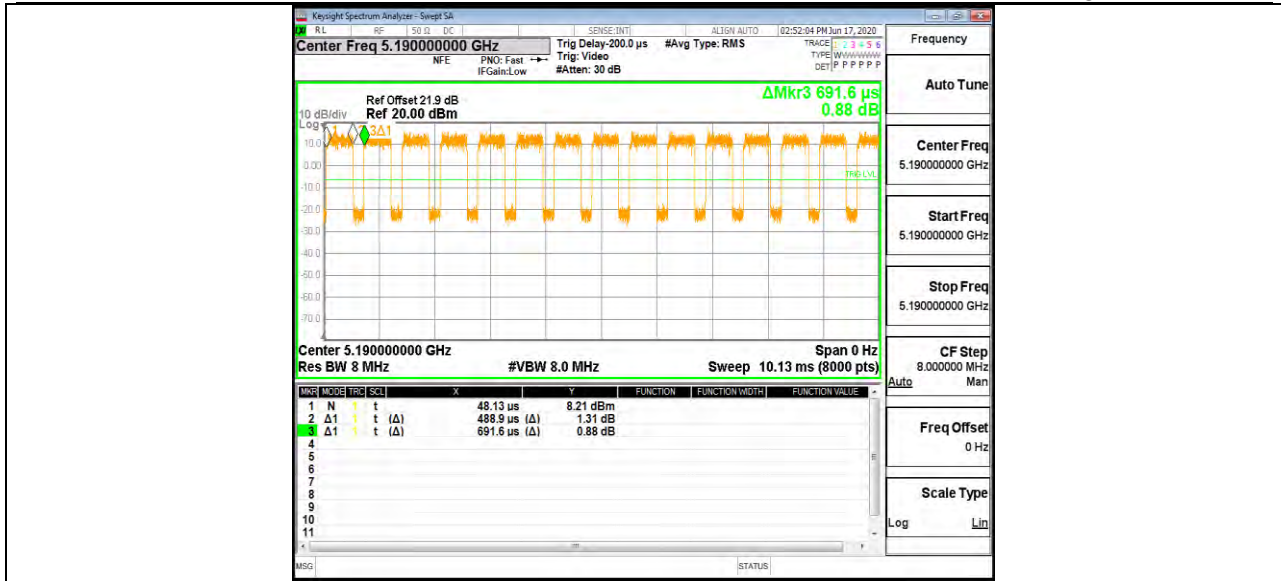
Where: T is On Time

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

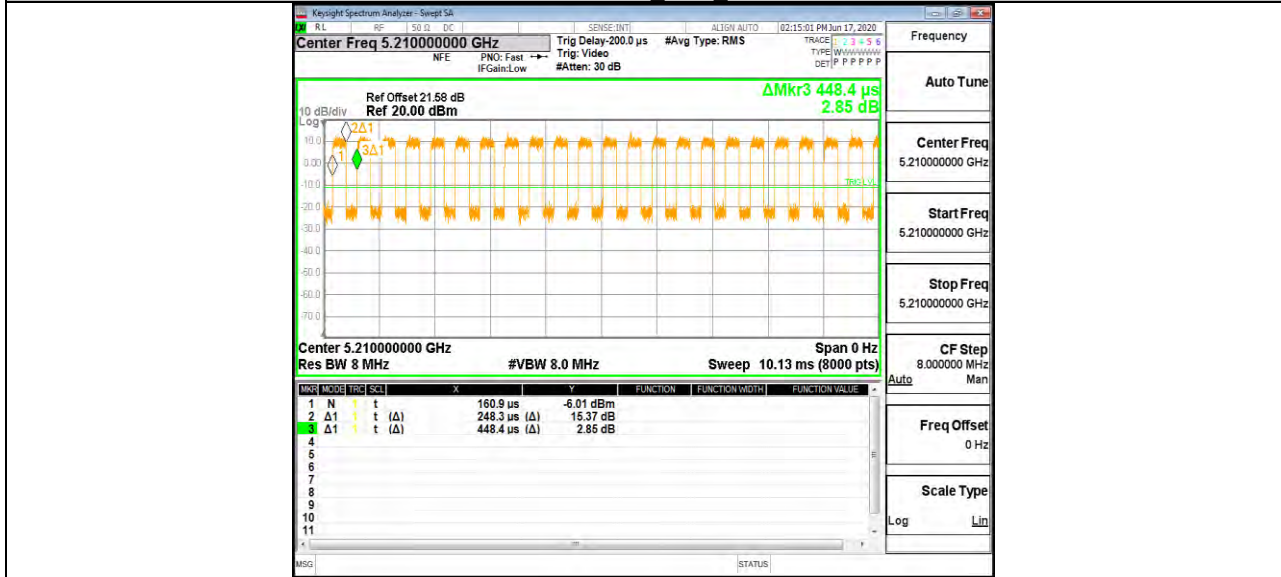


### 12.6.2. Test Graphs





11AC80SISO Ant2 5210





## 12.7. Appendix E: Frequency Stability

### 12.7.1. Test Result

Frequency Error vs. Voltage									
802.11a20:5200MHz									
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	5200.0322	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									
802.11a20:5200MHz									
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	5200.0136	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									
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	5825.0255	4.38	5825.0311	5.34	5825.0265	4.55	5825.0411	7.06
TN	VN	5825.0221	3.79	5825.0328	5.63	5825.0255	4.38	5825.0389	6.68
TN	VH	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.

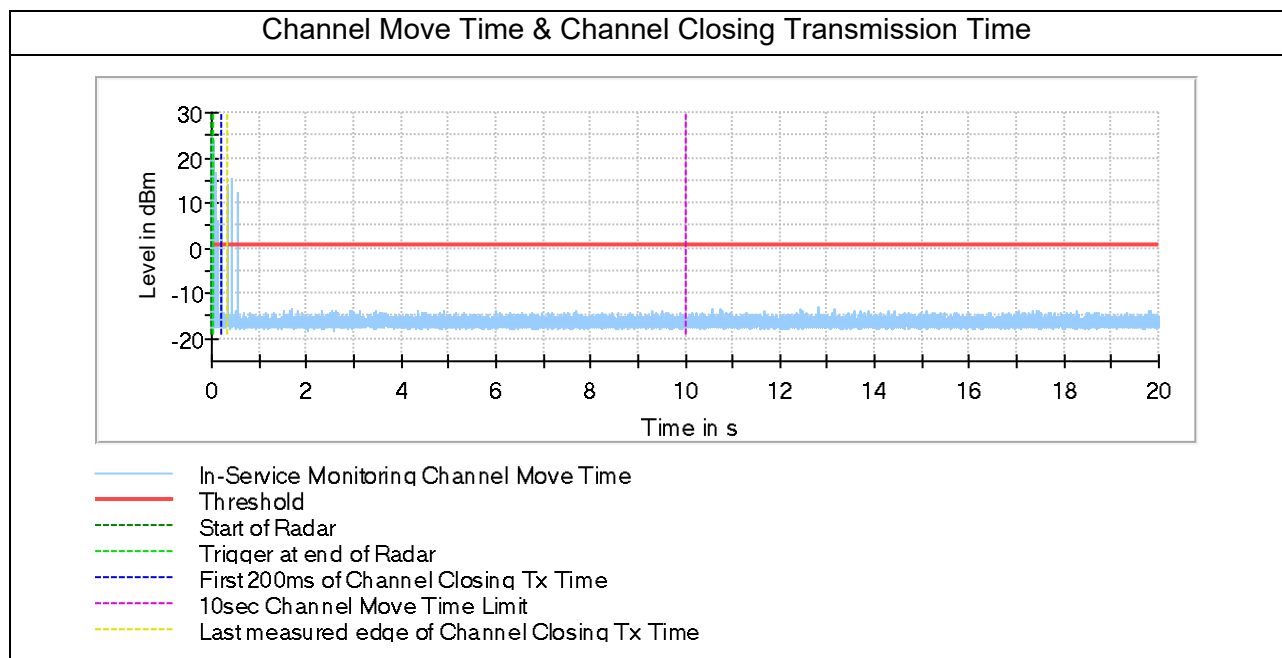


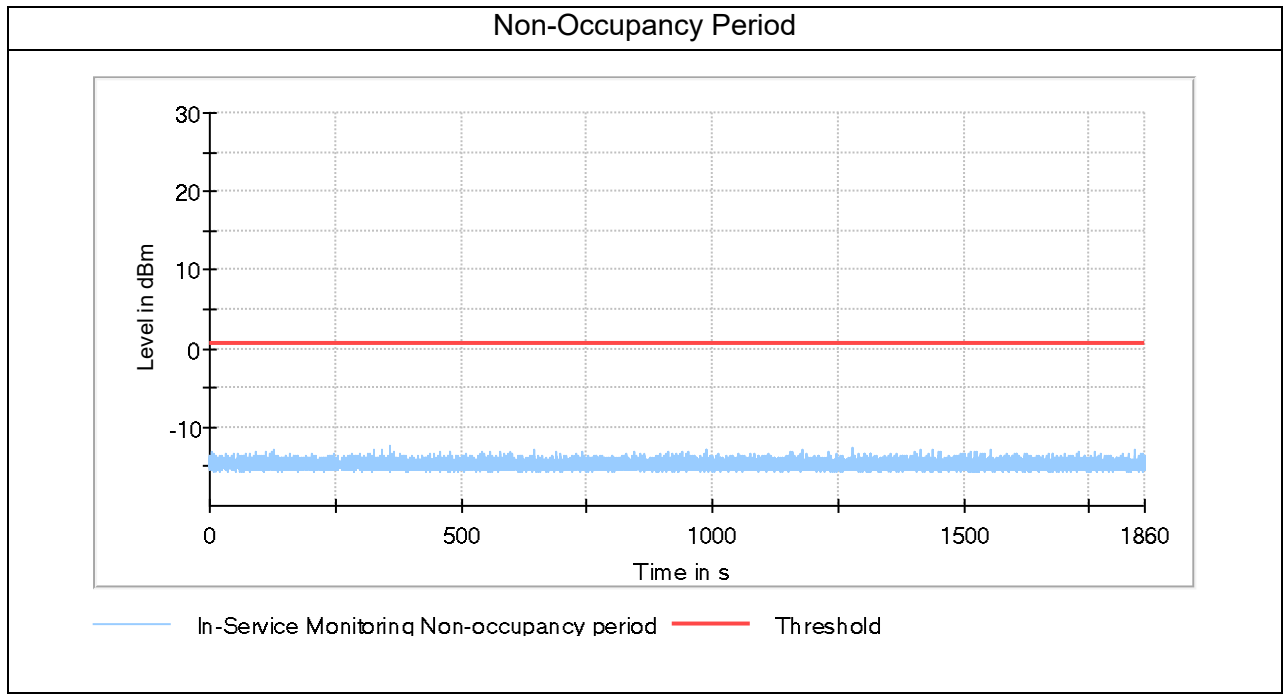
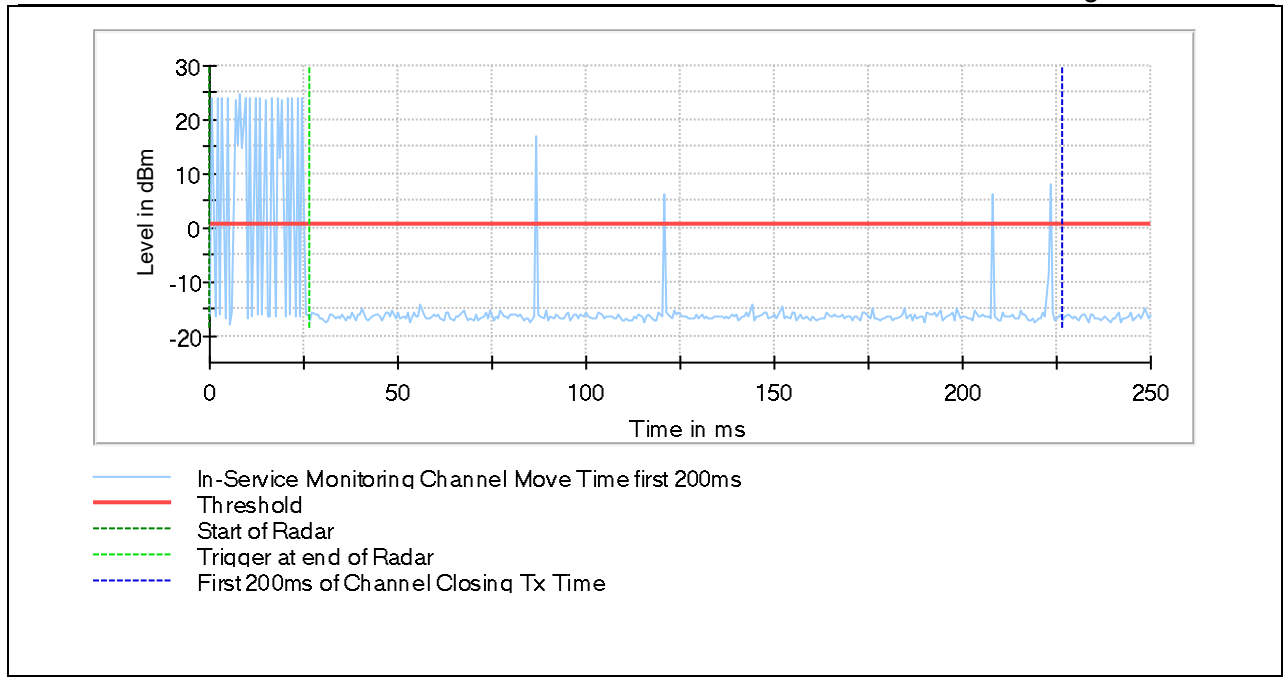
## 12.8. Appendix F: Dynamic Frequency Selection

### 12.8.1. Test Result

#### 802.11ac VHT80 Mode

BW/Channel	Test Item	Test Result	Limit	Results
80MHz / 5290MHz	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
	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





**END OF REPORT**