

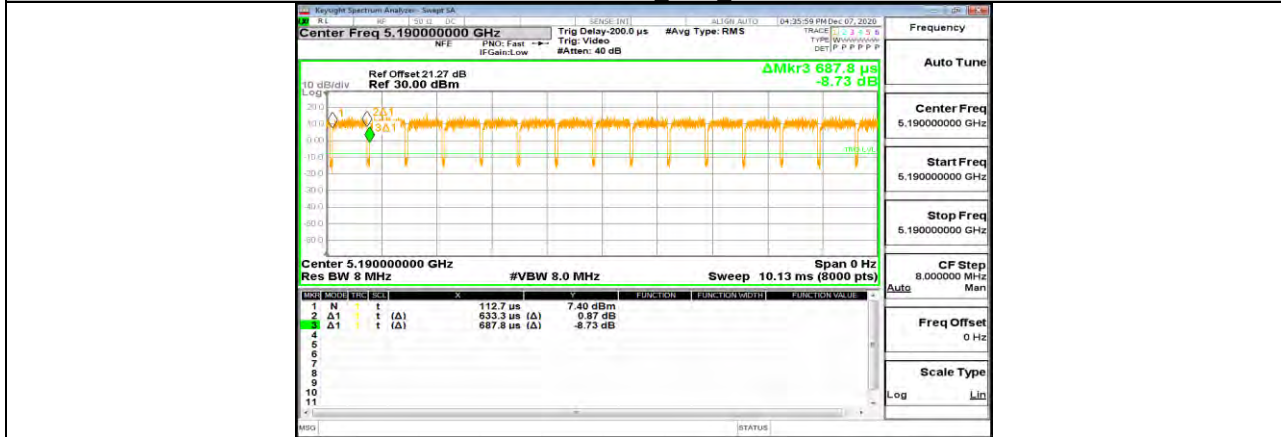


12.6.2. Test Graphs

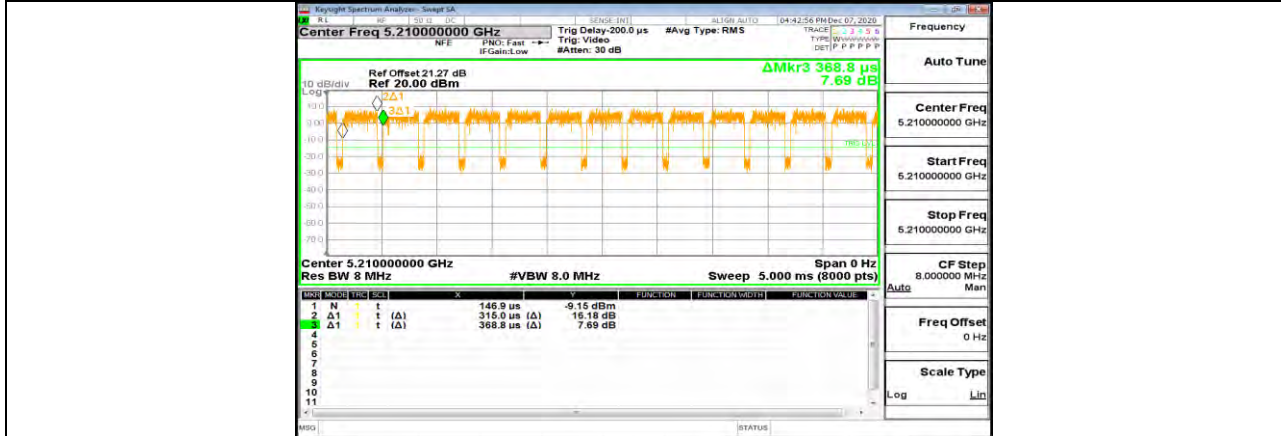




11AC20MIMO Ant0 5180



11AC40MIMO Ant0 5190



11AC80MIMO Ant0 5210

12.7. Appendix E FREQUENCY STABILITY 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	5200.0421	8.10	5200.0378	7.27	5200.0567	10.90	5200.0190	3.65
TN	VN	5200.0337	6.48	5200.0291	5.60	5200.0428	8.23	5200.0334	6.42
TN	VH	5200.0319	6.13	5200.0612	11.77	5200.0315	6.06	5200.0435	8.37

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)
40	VN	5200.0303	5.83	5200.0333	6.40	5200.0119	2.29	5200.0224	4.31
30	VN	5200.0312	6.00	5200.0132	2.54	5200.0234	4.50	5200.0331	6.37
20	VN	5200.0411	7.90	5200.0800	15.38	5200.0360	6.92	5200.0521	10.02
10	VN	5200.0312	6.00	5200.0245	4.71	5200.0231	4.44	5200.0202	3.88
0	VN	5200.0311	5.98	5200.0365	7.02	5200.0331	6.37	5200.0456	8.77

Frequency Error vs. Voltage									
802.11a: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	5825.0625	10.73	5825.0124	2.13	5825.0322	5.53	5825.0610	10.47
TN	VN	5825.0298	5.12	5825.0422	7.24	5825.0511	8.77	5825.0420	7.21
TN	VH	5825.0345	5.92	5825.0401	6.88	5825.0478	8.21	5825.0302	5.18

Frequency Error vs. Temperature									
802.11a: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)
40	VN	5825.0309	5.30	5825.0198	3.40	5825.0423	7.26	5825.0304	5.22
30	VN	5825.0300	5.15	5825.0411	7.06	5825.0335	5.75	5825.0112	1.92
20	VN	5825.0271	4.65	5825.0305	5.24	5825.0203	3.48	5825.0325	5.58
10	VN	5825.0412	7.07	5825.0241	4.14	5825.0389	6.68	5825.0613	10.52
0	VN	5825.0331	5.68	5825.0338	5.80	5825.0298	5.12	5825.0200	3.43

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

END OF REPORT