

1 We thank the reviewers for their efforts and overall positive feedback. Below we address their main concerns.

- 2 1. Bounded distributions: We note that *any* whitened distribution is 1-bounded. Hence,  $O(1)$  bounded do arise in  
3 practice (as whitening is a very popular preprocessing). We will add a comment about that.
- 4 2. Tightness of the analysis: The analysis is tight in the sense that the bound in theorem 4 is optimal, up to  
5 constant. To the best we know, previous results do not imply that, despite significant efforts in recent years.  
6 Moreover, we disagree that the “convergence is directly proved based on Hoeffding’s bound”. This is far from  
7 being true. In order to establish our result we developed a new methodology to analyze vector random features,  
8 and used the boundedness of the distribution in a delicate way. The best evidence that the analysis is not trivial  
9 is that the result is new despite very significant research in recent years by top researchers – there were more  
10 than 20 papers devoted to memorization and NTK, and none of them derived such a convergence result. It is  
11 clear that an effort has been made to derive such a result, as the rate in which the NTK converge is central in  
12 the analysis of most of these papers.
- 13 3. “it is not well explained in what sense are the results considered using “no over-parameterization””: No over  
14 parametrization means that  $\tilde{O}(m)$  parameters are enough to memorize  $m$  points. This is standard terminology  
15 in related literature. We will add details about this and will make it clearer in the final version.
- 16 4. Presentation and details: We will make any effort to improve the writing and add proof details along the lines  
17 raised by the reviewers.