



## Certification Program Working Group Liaison Statement

<b>To</b>	3GPP SA4, SWG SQ
<b>CC</b>	<a href="mailto:Jayeeta.Saha@3gpp.org">Jayeeta.Saha@3gpp.org</a>
<b>Source</b>	CTIA Certification Audio Working Group
<b>Subject</b>	Audio Background Noise Verification
<b>Date</b>	February 10th, 2022

### Introduction

The CTIA Certification Audio Working Group continues to develop its Speech Performance Test Plan with a target implementation in Q3 2022.

Labs authorized to perform testing to the test plan are required to follow a defined Verification Method for Background Noise Simulation which is based on 3GPP contribution S4-131146, Summary of results on reference scores for ETSI TS 103 106. The goal is to provide an additional validation of the background noise simulation.

### Discussion

During the last Audio Working Group meeting it was observed that the verification limits as defined in the test plan were unable to be met by a number of labs.

Example:

Condition	Traffic Road_NB	Traffic Road_WB	Traffic Crossroads_WB
Requirement	Limit = 1.7~2.1	Limit = 3.1~3.5	Limit = 2.1~2.5
Verification	N-MOS limit over : 2.2	S-MOS limit over : 4.0	N-MOS limit over : 3.1

With limits not being able to be obtained, it is difficult for labs to proceed with the application of authorized laboratory status. It might be possible that the limits defined in the test plan may be incorrect.

However, it should be noted that the current CTIA Certification requirement limits do not align with the values in 3GPP S4-131146. Furthermore, the verification lab results do conform with the values in 3GPP S4-131146.

### Request

The CTIA Certification Audio Working Group kindly asks 3GPP SA4, SWG SQ to confirm the range of the values in S4-131146 are representative of adequate labs. The Audio Working Group would like to use this to help analyse CTIA Certification's own data on how the requirements were calculated in the CTIA Certification Speech Performance Test Plan.

## Contact Info

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Harinder Nehra, Co-Chair, CTIA Certification Audio Working Group, T-Mobile  
[Harinder.Nehra@T-Mobile.com](mailto:Harinder.Nehra@T-Mobile.com)

Robert Manalo, Co-Chair, CTIA Certification Audio Working Group, Telus  
[Robert.Manalo@telus.com](mailto:Robert.Manalo@telus.com)