



2025 iPhones Data Referencing Plan

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1 Introduction

This inquiry is to request your approval of the proposed data referencing plan for Apple 2025 iPhone products. There will be 4 reference models each having 3 additional variant models, for a total of 16 models. Test data for a reference model are proposed to be referenced (reused) by its variant models.

2 Product Model Differences and Similarities

The reference model and its variants in each group differ mainly in the cellular bands they support. The reference and their variants have the same PCB layout, circuit design, common components, antennas, antenna locations and housing case dimension and material. Their cellular modem, Wi-Fi, BT, NFC, WPT, NB UNII, UWB, 802.15.4, 802.15.4ab-NB and MSS transmitters are identical. Power table and tune-up tolerance are the same for all models in the same group. Removal of cellular bands and MSS transmitter are done by software and depopulation of band-specific components associated with the removed operation.

There is no change on the MLB between reference and variants. Support for different bands is controlled within the cellular chipset.

3 Spot-check Plan

Apple Inc. takes responsibility for the fact that the test data as referenced represents valid data for demonstrating compliance for the variants listed in this plan, and for the application that will be filed. Apple Inc. understands that the FCC acceptance does not constitute a validation of the data used in the referencing process.

3.1 Spot Check Plan for TCB approval

For the TCB approval, spot checks of radiated out of band emission measurements are performed which covers all technologies across the range of operating frequencies and antennas. SAR was also spot checked at the worst-case operating mode. To qualify for data referencing, all spot check data from a variant must be within the acceptance criteria specified in KDB 484596 D01.

3.2 Spot Check Plan for Certification

In the application for certification, spot check data will be provided for RSE, Conducted Output Power and SAR