



## **Differentiation Explanation Letter Between QCA9377-3 and QCA1023-0**

Dear Quectel Customer,

The letter is written to explain the difference between QCA9377-3 (MCN: QCA-9377-3-115WLNSP-TR/SR/HR-03-0) and QCA1023-0 (MCN: QCA-1023-0-115WLNSP-TR/SR/HR-03-0).

QCA9377-3 and QCA1023-0 are exactly pin to pin products derived from same silicon design but with different function set. QCA9377-3 is superset of Tufello contains all features it can support but QCA1023 is subset of Tufello to disable MU-MIMO and TxBF client mode for differentiation by silicon integrated OTP programming. As a result, there is no design difference from schematic and layout to other BOM related to the design. It is guaranteed the functionality other than difference mentioned above and performance both throughput and RF output/input are identical between QCA9377-3 and QCA1023-0.

Qualcomm is highly appreciated for the great cooperation between Quectel and Qualcomm and expects we will have a smooth manufacturing with best solution from Qualcomm.

Sincerely,

Bruce Chen  
Product Manager, Staff  
Qualcomm Consumer Electronic Connectivity Product Line Marketing.