

23rd February 2023

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FCC ID: AQO011 / AQO012

RE: Referencing EMC and Radio Parameter Test Data as per KDB 484596 D01 Referencing Test Data v01

a) *Introduction:*

The product was originally fully tested and certified under the model numbers A-0819G02, A-0819G03, A-0819G06 and A-0891G07.

The results were included within Element test reports TRA-051982-47-02 (Part 15.247), TRA-051982-47-04C (Part 15.247), TRA-052981-47-06 (Part 15.225), TRA-052981-47-09 (Part 15.209) and TRA-052981-47-11 (Part 15.209)

b) *Explain the Differences:*

The units were subsequently modified as indicated:

Changed C503 from C15N-200/1206/2 to C33N-50/1206/5/AU  
Changed C504 from C5N6-200/1206/5 to C3N3-250/1206/5  
Changed C516 from Not Fitted (C5N6-200/1206/5) to C1N-200/1206/5/AU  
Changed C505 and C506 from C220P-50/0402/10 to C4N7-50/0402/10  
Changed R501 from RES1K-RC12H to RES47K-RC12H

The purpose of the modification was to correct an occupied bandwidth issue noted during the European testing.

As part of the modification the model numbers were also changed from:

A-0819G02 to A-0819G12  
A-0819G03 to A-0819G13  
A-0819G06 to A-0819G16  
A-0819G07 to A-0819G17

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c) *Spot Check Verification Data Section:*

Partial retesting was then performed by Element and was included within test reports TRA-051982-47-17 (Part 15.247), TRA-052981-47-18 (Part 15.209) and TRA-052981-47-19 (Part 15.225). This testing was performed to ensure that the modifications had no impact on the output power of the three radios (Bluetooth, NFC 13.56MHz and LF 125kHz), nor where there any spurious emissions that arose due to the modification.

There is also spot checking under reports TRA-051982-45-20A and TRA-051982-45-21A.

d) *Reference Section:*

| FCC ID                                                | Reports                                |
|-------------------------------------------------------|----------------------------------------|
| AQO011<br>(Fully populated worst case product)        | TRA-051982-45-17A<br>TRA-051982-45-18A |
| AQO012<br>(Variant of above product with NFC removed) | TRA-051982-45-20A<br>TRA-051982-45-21A |

Pektron take full responsibility that the test data included within the test reports that contained limited testing represents compliance for the existing filings covered by both FCC IDs AQO011 and AQO012.

Yours faithfully  
Pektron Group Ltd



Richard Jones  
Electrical Test Manager