

Modular Approval Request - FCC



RE: Request for modular approval
Model: NFC-PN532
FCC ID: 2AO3T-NFCPN532

To whom it may concern,

We formerly request modular approval on the above reference device pursuant to the requirements of FCC publication 996369 D01 for modular approval of Part 15 devices.

Modular approval requirement	Yes	No	Comment*
(a) The radio elements of the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.	☐	☒	
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable FCC rule part under conditions of excessive data rates or over-modulation.	☒	☐	
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	☐	☒	
(d) The module must be certified with specific antennas and these antennas must be contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s).	☒	☐	



(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside	☒	☐	
another device during testing. (f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display.	☒	☐	
(g) The module shall comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions provided by the grantee.	☒	☐	
(h) The module must comply with RF exposure requirements	☒	☐	

** Please provide a detailed explanation for each item*

Based on the above information this request is for:

☒ LIMITED ☐ SINGLE modular approval.

This RFID antenna is screwed down in the G1V5 product electronics plate, connected to the CPU of the product with a vibration-resistant connector and powered through a stable voltage rail (calibrated for USB communications), and cannot be accessed from the exterior of the unit. The transactions are made with the reader not physically accessible (the reader transactions are performed through an opaque plastic cover) and the G1V5 enclosure is closed, the screws not being accessible to the user for security reasons. The unit enclosure is designed with louver vent holes to allow the cooling of the unit but avoid any tool insertion. The tuning on the antenna module is fixed, and the module itself is epoxy-potted.

This antenna will ultimately be used only with this terminal. The only reason why we presented it as a separate product is to better distinguish it from the terminal itself, which passed the test as an unintentional emitter. We will have no use case for this antenna as a separate item. It will be always enclosed in this very G1V5 terminal. This product will only be used and maintained by Walz Labs, such that full compliance of the end product is always ensured.

Sincerely,



ADAM GLUCK
11/15/2018
WALTZ
7 WORLD TRADE CENTER
NEW YORK NY, 10006



Instructions:

Please complete this form and copy to company letterhead.

Signature:

The request should be signed by the person who is listed as the contact person on the FCC Grantee database.

Definitions:

Single modular approval – If all of the answers in the checklist are “YES” then the product may be approved as a single modular approval. In this case the module may be placed in any host product and may be sold to third parties for integration into host products.

Limited modular approval – If one or more of the single modular requirements in the checklist cannot be met, the product may be eligible for limited modular approval. In this case the approval is host specific and the product may only be integrated into host configurations for which it has been certified. A Class II Permissive Change may be filed to add host configurations.

