

Response to E05-000378-1

1. TuneStage RX's antenna: Although it is an external antenna (1.5 dBi) that screws into a PCB-mounted SMA jack during the assembly at the factory, the antenna is not intended for the end users to replace nor it is physically possible for the end user to detach without breaking open the unit due to the casing design that doesn't allow the users to detach the antenna (see attached photo).

TuneStage TX's antenna: TuneStage TX implements the PCB printed meander line antenna (1.2 dBi) and thus it is not user replaceable.

In summary, TuneStage's antenna are not intended to be user detachable nor it is physically possible without user breaking open the units and thus voiding the warranty.

2. A revised test report has been uploaded.
3. Additional schematics have been uploaded.
- 4 & 5. A revised manual has been uploaded.
6. No external power amplifier (PA) is implemented in the design of DUTs (F8Z901-TX and F8Z901-RX). With the internal (PA) in the Bluetooth chip, maximum of only +6dBm is physically possible. Since Bluetooth specification for Class 1 RF transmit power range is 0 to +20 dBm, the device is rated at Class 2, as the product design intended. The firmware controls the RF transmit power with level control from on-chip 6-bit DAC and maintains the transmit power to be within the Bluetooth specification for class 2 RF transmit power range (-6 to +4 dBm).
7. A revised test report has been uploaded