

01-15-2025

Telecommunication Certification Body
UL International (UK) Ltd
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United Kingdom

Subject: Class 2 Permissive Change (C2PC) Request

FCC ID: UKMRC1032

To whom it may concern

In accordance with KDB 178919 D01 and FCC rule part §2.1043: Changes in Certified Equipment, Eurotech Spa hereby requests a Class 2 permissive change to FCC ID: UKMRC1032 as detailed below:

- Change of the antenna listed in the original grant of equipment authorization from an external antenna (gain Wi-Fi 2.4G: 5.16 dBi, BLE: 3dBi) to External Dipole Antenna, Manufacturer: Quectel, Model: YEWN001AA, with higher gains. The new antenna gains are:

Band	Frequency (MHz)	Antenna Gain (dBi)
Wi-Fi/BT 2.4GHz	2400-2500	4.71
Wi-Fi 5G U-NII	5180-5240	4.41
Wi-Fi 5G U-NII-2A	5260-5320	4.47
Wi-Fi 5G U-NII-2C	5500-5700	4.28
Wi-Fi 5G U-NII-3	5745-5825	4.33

- Module is being used into a specific host product, the RECELL-10-32.

The PCB RECELL-10-32 also install an LTE radio module Manufacturer: Quectel, Model: EG25-G, FCC ID: XMR201903EG25G. Simultaneous transmission (Wifi/BT + LTE) is possible. The antenna of LTE has been also changed with Quectel, Model YE0001BA. The EIRP for LTE module is below the limit required by the rule part. The Wifi/BT module is still being used in a mobile configuration.

As a result of the changes detailed above, the following test cases have been tested to verify compliance of the modified UKMRC1032

- Transmitter Out of Band Radiated Emission and Transmitter Band Edge Radiated Emission – Part 15.247(d) and 15.209(a)
- AC conducted emissions
- RF exposure evaluation



Yours faithfully,

Sergio Spinotti
Legal Representative
 **eurotech** s.p.a.
Sergio Spinotti
Procuratore Speciale