

February 16th, 2024

Mr. Jeff Tobias,
Chief, Mobility Division
Wireless Telecommunications Bureau,
Federal Communication Commission
445 12th St SW
Washington, DC 20554

Re: EMS Technologies Canada, Ltd. – Applicability and Conditions for Waiver of Part 87 Rules to Allow Equipment Certification of Aeronautical Mobile Satellite Service Transceiver (Small SATCOM + 5G, Pending FCC ID K6KSATCOM5G)

Dear Mr. Tobias:

On the 24th May 2023, EMS Technologies Canada, Ltd. (“EMS”) a wholly owned subsidiary of Honeywell International Inc., pursuant to section 1.925 of the Commission’s rules, requested a waiver of Sections 87.131, 87.133, 87.137, 87.139(i)(1) and 87.141(j) of the Commission’s rules to permit certification of its next generation Aeronautical-Mobile Satellite Service (“AMSS”) transceiver, Small SATCOM + 5G. The transceiver supports the SwiftBroadband aircraft communications service for use with, but not solely confined to, unmanned aircraft e.g. drones, UAVs.

On the 6th December 2023, EMS received confirmation that the waiver request was accordingly **GRANTED** and sections 87.131, 87.133, 87.137, 87.139(i)(1) and 87.141(j) of the Commission’s rules are **WAIVED** as requested. One condition was stated:

- Transmittals in the 1668-1675 MHz band are not authorized.

The adherence to the above condition is ensured by the Inmarsat satellite network in the USA and Canada.

The waiver is applicable to this product as it permits the certification of the company’s transceivers to support the Inmarsat SwiftBroadband aircraft communications services. Current Part 87 rules do not allow for the wider bandwidth, higher transmission speeds and more efficient modulation techniques of newer AMSS systems. EMS considers the waiver valid for the duration of the product lifetime of the transceiver with the FCC ID K6KSATCOM5G.

The Small SATCOM transceiver has been tested and found to meet the technical requirements of Part 87 AMSS rules with respect to output power, spurious emissions and intermodulation. With the grant of the above waiver, the conditions of both Part 87 of the Commission’s Rules and the granted waiver will be met for the duration of the product lifetime of the Small SATCOM + 5G transceiver.

Sincerely,



Subhadeep Pal,

SR Director Engineering