

Safety Information Bulletin

Airworthiness

SIB No.: 2026-03

Issued: 14 April 2026

Subject: Embraer EMB-135, EMB-145, ERJ 170 and ERJ 190 aeroplanes - Radio Altimeters - 5G Interference Susceptibility

Ref. Publications:

- European Commission, [EU Roadmap for ensuring safe coexistence between mobile networks and aircraft radio altimeters within the frequency range 3.4-4.4 GHz in the Union](#), Version 2 dated 08 April 2025.
- Embraer Service Bulletin (SB) 145-34-0126 original issue, dated 19 April 2023 or later approved revisions.
- Embraer SB 145LEG-34-0047, original issue dated 14 July 2023 or later approved revisions.
- Embraer SB 170-34-0057, Revision 2 dated 22 December 2022 or later approved revisions.
- Embraer SB 190-34-0055, Revision 3 dated 6 June 2024, or later approved revisions.
- Embraer SB 190LIN-34-0010, original issue dated 19 July 2026 or later approved revisions.
- Embraer SB 190E2-34-0013, Revision 1 dated 13 August 2024 or later approved revisions.

Applicability:

Embraer ERJ-170 series aeroplanes, all variants, all serial numbers (s/n), equipped with a Honeywell KRA-405B Radio Altimeter having Part Number (P/N) 066-01153-0101, P/N 066-01153-2001, P/N 066-01153-5001, P/N 066-01153-0202 or P/N 066-01153-4001; and,

Embraer ERJ-190 series aeroplanes, all variants, all s/n, equipped with a Honeywell KRA-405B Radio Altimeter having P/N 066-01153-0101, P/N 066-01153-2001, P/N 066-01153-5001, P/N 066-01153-0202 or P/N 066-01153-4001; and,

Embraer EMB-145 series aeroplanes, all variants, all s/n, equipped with a Honeywell RT-300 Radio Altimeter having P/N 7001840-937.

Note: Where this SIB refers to EMB-145 aeroplanes, this must be read as including EMB-135 aeroplanes.

Description:

In April 2024, the European Commission released the “EU Roadmap for Ensuring Safe Coexistence Between Mobile Networks and Aircraft Radio Altimeters Within the Frequency Range 3.4-4.4 GHz in the Union” Version 1, to ensure the safe coexistence between mobile networks and aircraft radio altimeters, setting out a coordinated approach within the frequency range 3.4 to 4.4 GHz in the Union for both systems.

This is information only. Recommendations are not mandatory.



Version 2 of that document tasked EASA with a new activity, A7 “Continuous monitoring of 5G related occurrences and issuance of mandatory action on specific aircraft types or radio altimeters and/or the issuance of non-mandatory guidance (e.g. SIB)”.

EASA has been made aware of occurrences of erroneous Radio Altimeter indications on Embraer aeroplanes (as listed in the Applicability of this SIB) more frequently than it would have been assumed based on the number of aeroplanes in operation.

ERJ-170 and ERJ-190 aeroplanes are known to install Honeywell KRA-405B Radio Altimeters and ERJ-145 aeroplanes are known to install RT-300 Radio Altimeter.

Tests conducted by Honeywell Aerospace on Honeywell KRA-405B and RT-300 Radio Altimeters indicated a more susceptible profile to potential interference from 5G signals transmitted by ground network stations in the frequency bands near or adjacent to the 4.2 to 4.4 GHz, than most radio altimeters.

Embraer issued several SBs, as listed above, providing instructions to install specific filters which reduce the susceptibility of those Radio Altimeters to interference from 5G ground networks.

Even if, at the time of the publication of this SIB, there is no evidence to confirm a direct relationship between the above mentioned occurrences and 5G transmissions, and studies conducted by the European Conference of Postal and Telecommunication Administrations (CEPT) have concluded that there is no conclusive evidence of an unsafe condition on the fleet of Embraer EMB-145, ERJ-170 and ERJ-190 series aeroplanes operating in the EU, the data available to EASA warrants the issuance of this SIB.

This SIB is issued to recommend installation of specific filters which reduce the susceptibility to interference from 5G ground networks.

At this time, the safety concern described in this SIB is not considered to be an unsafe condition that would warrant Airworthiness Directive (AD) action under Commission Regulation (EU) [748/2012](#), Part 21.A.3B.

Recommendation(s):

EASA recommends that operators of Embraer aeroplanes listed in the applicability of this SIB modify the aeroplane in accordance with the instructions of the SBs listed as Ref. Publications, as applicable to aeroplane type/model.

Contact(s):

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