



Johnson Outdoors Marine Electronics, Inc.

October 19, 2017

TUV SUD America Inc

RE: Declaration of Similarity

To the Notified Body,

This letter serves to declare the Johnson Outdoors HELIX 7 G2 & G2N Series of products contain the following model variants: (Networking is Bluetooth and Ethernet capability)

Helix 7X GPS G2	No Networking or sonar capability (HW and SW)
Helix 7 Sonar G2	No Networking or GPS (HW and SW) and 2d sonar only (SW)
Helix 7X Sonar G2	same as above but X designates more languages (SW)
Helix 7 Chirp DI G2	No Networking or GPS (HW and SW) and 2d plus DI sonar only (SW)
Helix 7X Chirp DI G2	same as above but X designates more languages (SW)
Helix 7 Chirp GPS G2	No Networking (HW and SW) and 2d sonar only (SW)
Helix 7X Chirp GPS G2	same as above but X designates more languages (SW)
Helix 7 Chirp DI GPS G2	No Networking (HW and SW) and 2d plus DI sonar only (SW)
Helix 7X Chirp DI GPS G2	same as above but X designates more languages (SW)
Helix 7 Chirp SI GPS G2	No Networking (HW and SW) and can do all sonar (SW)
Helix 7X Chirp SI GPS G2	same as above but X designates more languages (SW)
Helix 7 SI GPS NAV PLUS	NAV PLUS Only difference is packaging
Helix 7 Chirp GPS G2N	Networking capable and 2d sonar only (SW)
Helix 7X Chirp GPS G2N	same as above but X designates more languages (SW)
Helix 7 Chirp DI GPS G2N	Networking capable and 2d plus DI sonar only (SW)
Helix 7X Chirp DI GPS G2N	same as above but X designates more languages (SW)
Helix 7 Chirp SI GPS G2N	Networking capable and can do all sonar (SW)
Helix 7X Chirp SI GPS G2N	same as above but X designates more languages (SW)
ICE Helix 7 Chirp GPS G2	No Networking (HW&SW), 2d sonar (SW) plus Ice fishing SW features
ICE Helix 7X Chirp GPS G2	same as above but X designates more languages (SW)

All Helix 7 products use the same exact housing and LCD. All Helix 7 G2N products use the exact same PCB and electronics and have Bluetooth and Ethernet capability (Networking). Likewise Non G2N products use the same PCB and electronics but do not have Bluetooth or Ethernet capability (Networking). All units differ slightly in SW to designate product names and control some product features. In our judgement, the Helix 7X Chirp SI GPS G2N series is the worst case for EMC. The Helix 7X Chirp SI GPS G2N having the most functionality, has been submitted for testing to represent all of the Helix 7X Chirp SI GPS G2N model variants. The marketing/labeling and DoC will be identical to the previously certified main model apart from the model/brand/ and part number. The technical compliance information and justification for compliance with the essential requirements is contained in

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Johnson Outdoors Marine Electronics, Inc.

the original Technical Construction File which was submitted to TUV SUD BABT in Certificate number:
BABT-RED000599 i01.

Sincerely,

A handwritten signature in blue ink, appearing to read "Greg Massey", is written over a faint, larger version of the same signature.

Director of Engineering