

Letter of declaration KDB680106 requirement

Federal Communications Commission

Equipment Authorization Division, Application Processing Branch
7435 Oakland Mills Road
Columbia, MD 21048

Date: 11-03-2025

FCC ID: YG32200B

Model Number: NEARFI 2200 B

To Whom It May Concern,

We, Phoenix Contact GmbH & Co. KG, hereby declare that our product (as above) meet item 5.2 of KDB 680106v03r01 as follow:

Requirements of KDB 680106 D01	Yes / No	Description
Power transfer frequency is less than 1 MHz	YES	110 kHz – 148 kHz
The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.	NO	Energy transfer: 50 W
A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	NO	Max distance between Tx<>Rx 10mm
Only § 2.1091- Mobile exposure conditions apply (i.e., this provision does not cover §2.1093-Portable exposure conditions).		Fixt
The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.	TBD	H Filed: 1,13 A/m at 11cm Distance E Field: 0,761 V/m at 11cm Distance
For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design		One Tx Coil

conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested		
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Please do not hesitate to contact us for further explanations or comments.

Sincerely,

J.V. F. Dinger

2025-12-05

Signature

Date

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