



# Underground Magnetics

Date (28/01/2022)

Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

## Modular Approval Request

FCC ID: 2A3JY2RF9

The following attestation addresses the requirements to support modular approval:

Modular approval requirement	Yes (provide brief statement)	No *
(a) The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly	The Module has its own shielding Please refer to module photo.	
(b) The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal	All inputs to the module are buffered by the ATMEGA328. (See Circuit Diagram)	
(c) The module must contain power supply regulation on the module	Provided by MCP1700. (See Circuit Diagram)	
(d) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	The module has one external reverse polarity antenna connection.	
(e) The module must demonstrate compliance in a stand-alone configuration	Refer to test set up	
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	Refer to label and user manual.	
(g) The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements	Refer to user manual	

Modular approval requirement	Yes (provide brief statement)	No *
(h) The module must comply with RF exposure requirements	The device meets RF exposure requirements greater than 20cm.	

\* Please provide a detailed explanation if the answer is "No."

Yours sincerely,



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Title: Engineer