AiWave Technologies

Date: 2/5/2024

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

RE: FCC PAG Checklist for Part 15.255 Rules
FCC ID: 2BCCA-ANGEL0G1RM1

To Whom It May Concern:

388624 D02 Pre-Approval Guidance List v18r05 **RDR255 - For field disturbance sensors and/or radar devices under Section 15.255 as amendment by FCC 23-35 effective August 30th, 2023, the PAG shall include a detailed explanation in accordance with guidance presented at the TCB Workshop October 25, 2023 in Part 15.255 Rules Amendment presentation slides 9 – 12.**	**Explanation from Grantee** **(do not write yes/no, but explain why product complies/how it is achieved)**	
1) Identify the specific rule section under which certification is being sought	☒Yes	§ 15.255(c)(2) & § 15.255(c)(2)(v)
2) Describe the radar modulation (e.g., pulsed, FMCW, other)	☒Yes	The modulation is FMCW.
3) State the intended use case(s), e.g., unmanned aircraft, indoor or outdoor, vehicular in-cabin, etc.	☒Yes	The EUT is for indoor use.
4) If applying under §15.255(c)(2): - Describe how conducted output power is determined	☒Yes	The conducted output power were calculated from the subtraction from maximum antenna gain declared by manufacturer from the EIRP.
5) If applying under §15.255(c)(2)(v) for operation in the 60.0-61.5 GHz ISM band - Demonstrate that the transmitter occupied bandwidth (OBW) is wholly contained within the 61.0-61.5 GHz band	☒Yes	Refer to page 7 of KSZ2023053101J04_FDS_Appendix
6) If applying under §15.255(b)(3) for operation onboard unmanned aircraft - Show that the transmitter OBW is contained within the 60-64 GHz band segment - Describe how altitude restriction will be satisfied - Provide time domain data that demonstrates compliance to the off-time requirement	☒No	The EUT is not applicable for the specific rule.
7) If applying under §15.255(c)(2)(i) for operation over 57.0-59.4 GHz - Show that the transmitter OBW is contained within the 57.0-59.4 GHz band segment - State whether usage will be limited to outdoor or indoor only, and if so, describe how will such limitations be ensured	☒No	The EUT is not applicable for the specific rule.
8) If applying under §15.255(c)(2)(ii) for operation over 57.0-61.56 GHz - Show that the transmitter OBW is contained within the 57.0-61.56 GHz band segment	☒No	The EUT is not applicable for the specific rule.
9) If applying under §15.255(c)(2)(iii)(A) for operation over 57.0-64.0 GHz - Show that transmitter OBW is contained within 57-64 GHz band segment - Demonstrate with time domain data plots that the off-time requirement is satisfied	☒No	The EUT is not applicable for the specific rule.
10) If applying under §15.255(c)(2)(iii)(B) for operation over 57.0-64.0 GHz - Show that transmitter OBW is contained within 57-64 GHz band segment - Explain how 'fixed' requirement is satisfied and maintained (if applicable) - Explain the intended vehicle application and how the device will be limited to vehicular use (if applicable) - Demonstrate with time domain data plots that the specified off-time requirement has been satisfied	☒No	The EUT is not applicable for the specific rule.
11) If applying under §15.255(c)(3) for pulsed radar operation over 57-64 GHz - Show that transmitter OBW is contained within 57-64 GHz - Specify the maximum pulse duration and provide supporting time domain data - Provide time domain data plot that demonstrates the maximum duty cycle in any 3 μs time window	☒No	The EUT is not applicable for the specific rule.

Sincerely,

Signature: 

Name: Robert Jaszczyk

Title: Founder & CEO

Company: AiWave Technologies