



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Chicago Aircraft Certification Office
2300 E. Devon Avenue, Room 107
Des Plaines, IL 60018

April 5, 2018

Mr. Ash Vij
Guardian Avionics L.L.C.
1951 East Airport Drive.
Tucson, AZ 85756

Dear Mr. Vij,

We received your letter of February 13, 2018 submitting your statement certifying that your Ipad and Iphone X mounts (and consituant parts) meet the design and performance requirements of FAA Policy PS-AIR-21.8-1602 for Non Required Safety Enhancing Equipment (NORSEE) and is produced under a quality system that satisfies the requirements of the same policy. Based on our acceptance of your statement and 14 CFR 21.8(d), we authorize the manufacturing of your equipment as detailed by the part numbers that are shown in the following table:

<u>Article Name</u>	<u>Part Number</u>	<u>Authorized Function</u>	<u>Approved Replacement for</u>	<u>FAA Approval Basis and Approved Design Data</u>	<u>Installation Eligibility:</u>
Ipad Pro Mount 10.5	IPP-10.5	Apple Ipad Pro 10.5" Inst Panel Mount	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: IPP 10.5 Rev.:A Date: 12/7/2017 or later FAA-approved revisions	Provided that the requirements of 14 CFR 1.1 and 14 CFR 43 Appendix A are met and the installation does not detrimentally obstruct the pilots view of required instrumentation, equipment may be installed as a minor alteration on Aircraft Certified under 14 CFR 23 or precursor regulations, as outlined in FAA memorandum number PS-AIR-21.8-1602.
Iphone X Mount	IPP-X	Apple Iphone X" Inst Panel Mount	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: IPP X Rev.:A Date: 1/26/2018 or later FAA-approved revisions	
Cooling Fan	C100-1	Cooling Fan for existing Ipad/Iphone mounts	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: RET-1 Rev.A Date: 1/2/18 or later FAA-approved revisions	
USB Type C	200-201C	USB Battery Charger	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.N Date: 4/4/18 or later FAA-approved revisions	

It is critical for users of the above equipment to understand that NORSEE is considered secondary or non-essential to the required equipment. It is vital for pilot in command to understand its functionality, limitations, and intent to provide only additional, non-contradictory information. It is pilot's responsibility to use basic airmanship to operate the aircraft safely with or without the aid of NORSEE.

This approval is based on the authorized function as stated in the above table. Uses outside of this authorized function have not been reviewed by the FAA to comply with the requirements of FAA Policy PS-AIR-21.8-1602 and may require additional evaluation. It should also be noted that NORSEE production approval does not grant Installation Approval Product Manufacturer Authorization (PMA) or Technical Service Order Authorization (TSOA).

We also accept the statement that your quality system meets the requirements of FAA Policy PS-AIR-21.8-1602. We authorize production of this NORSEE equipment at your Guardian Avionics L.L.C. manufacturing facility, located at 1951 East Airport Drive. Tucson, AZ 85756.


All major components of the articles produced under this approval must be permanently and legibly marked with the authorization holder's name, or trademark, or symbol, part number and "14 CFR 21.8(d)".

You must allow the FAA to inspect your quality system, facilities, technical data, and any manufactured articles and witness any tests, including any inspections or test at a supplier facility, necessary to investigate any service difficulty or possible non-compliance with FAA Policy PS-AIR-21.8-1602. Any service difficulties with the equipment should be reported to the ACO.

You must notify the FAA before making any changes to the location of any of your manufacturing facilities, company name or ownership. This approval is transferable to another U.S. manufacturer subject to the transferee complying with the NORSEE policy PS-AIR-21.8-1602 (or later policy revision) and design approval holders responsibilities stated in this letter of authorization.

This approval is effective until surrendered, withdrawn or otherwise terminated by the FAA. If you have any questions, please call Scott Fohrman, at (847) 294-7136, fax (847) 294-7834, email scott.fohrman@faa.gov.

Sincerely,


fa Timothy P. Smyth
Manager, Chicago Aircraft
Certification Office