



DEPARTMENT OF THE AIR FORCE
AIR FORCE LIFE CYCLE MANAGEMENT CENTER
WRIGHT-PATTERSON AIR FORCE BASE OHIO

20 February 2020

MEMORANDUM FOR: ALL CONCERNED

FROM: AFLCMC/EZAC
2145 Monahan Way
Wright-Patterson AFB OH 45433-7017

SUBJECT: List of Air Worthiness Determinations for Intra-System Electromagnetic Compatibility (EMC) of Common Use Carry-On Equipment.

1. References:

- (a) AFI62-601_AFMCSUP_I, "USAF Air Worthiness," 12 May 2011.
- (b) MIL-HDBK-516C, "Airworthiness Certification Criteria," 12 December 2014.
- (c) AFLCMC/EZAC Memorandum, "Guidance Memorandum for Air Worthiness Determination for Intra-System Electromagnetic Compatibility (EMC) of Common Use Carry-On Equipment," 31 may 2017.

2. In accordance with Section 2.2.9 of reference (a), we are accredited as the Air Force subject matter experts (SMEs) for the Electromagnetic Environmental Effects (E3) technical discipline for air worthiness determination, following the criteria in reference (b).

3. The "common use" carry-on equipment listed in Section 2 through 9 has been evaluated for Electromagnetic Interference (EMI) characteristics per the guidance of reference (c) in accordance with Section 13 of reference (b) and are compliant to be used on Air Force aircraft. This memorandum **DOES NOT APPLY** to any equipment considered to be a standard part of the aircraft. Standard aircraft equipment must meet the EMI requirements specified for avionics/electrical equipment for the particular aircraft. Notes in [Section 1](#) below show the allowable usage for each equipment item based on class of aircraft. Items are organized into Sections based on type of equipment as follows:

<u>Section</u>	<u>Category</u>
2	Computers
3	Audio-Visual Equipment
4	Communications Equipment
5	Global Positioning System (GPS) Receivers

- 6 [Printers](#)
- 7 [Headsets](#)
- 8 [Bio-Environmental Equipment](#)
- 9 [Wireless Tags](#)

4. This letter is not intended to promote or endorse any manufacturer's product.

5. If there are any questions, please contact Felipe Nazario-Romero DSN 674-7777, Comm 937-904-7777, felipe.nazarioromero.1@us.af.mil, or Jose Pabon-Soto DSN 785-7676, Comm 937-255-7676, jose.pabon_soto.1@us.af.mil; or Steven Coffman DSN 798-8673, Comm 937-528-8673, steven.coffman.2.ctr@us.af.mil; or the undersigned at DSN 785-6995, Comm 937-255-6995, joseph.deboy@us.af.mil.

6. The latest version of this memorandum can be obtained at the following SharePoint site: <https://cs2.eis.af.mil/sites/21373/e3/default.aspx>. A Common Access Card (CAC) is required to access this website.



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