

From: Craig Mauldin

To: Web Filer

Date: September 28, 2021

Subject: 0737-EX-CN-2021 pre-coordination data request

Message:

FCC Coordination Herndon, VA GPS Repeater

FAA Coordination Herndon, VA

\$\$ADD NG T210814

TYP01 N

DAT01 210928

CLA01 U

FRQ01 M1227.6000

EXD01 230831

STC01 XT

EMS01 20M00W7D

PWR01 W.00018

XSC01 VA

XAL01 HERNDON

XLA01 385533N

XLG01 0772543W

XAZ01 ND

RSC01 VA

RAL01 HERNDON

RLA01 385533N

RLG01 0772543W

RAZ01 ND

BUR01 FCC

BIN01

REM01 *EQT,C,GPS-RERAD

REM02 *AGN,+POWER IS ERP

REM03 *AGN,+THE MAX ERP IS 8.7 PICO WATTS

REM04 *NTS,M018,FAA ,210928,TAHN,NG T210814

SUP01 PURPOSE OF THE REQUEST:RAYTHEON INTELLIGENCE & SPACE (RAYTHEON) IS
FILIN

SUP02 G A NEW APPLICATION FOR USE OF A GPS RE-RADIATION SYSTEM AT ITS FACILITI
SUP03 ES AT 13900 LINCOLN PARK DR., HERNDON VIRGINIA FACILITY THAT UTILIZES GP
SUP04 S FOR POSITIONING INFORMATION AND TIMING;;; INDOOR USE ONLY UNDER NIB. U
SUP05 SE IS FOR THE PURPOSE OF TESTING RNSS EQUIPMENT/SYS EXPERIMENTAL RNSS TE
SUP06 ST DEVICE FOR CONDUCTING FUNCTIONAL CHECKS. THE MAXIMUM EQUIVALENTISOT
SUP07 ROPICALLY RADIATED POWER (EIRP) IS SUCH THAT THE CALCULATED EMISSION IS
SUP08 NO GREATER THAN -140 DBM/24 MHZ AS RECEIVED BY AN ISOTROPIC ANTENNA AT A
SUP09 DISTANCE OF 100 FEET (30 METERS) FROM THE BUILDING WHERE THE TEST IS BE
SUP10 ING CONDUCTED. THE AREA OF POTENTIAL INTERFERENCE IS CONTAINED WITHIN
SUP11 AREA CONTROLLED BY USER. ALL SPACE AND AIRBORNE SYSTEMS PERSONEL OR
SUPP

SUP12 ORTING CONTRACTORS WILL BE NOTIFIED OF THE AVAILABILITY AND USE OFTHE RE
SUP13 QUESTED GPS RE-RADIATION SYSTEM WITHIN THE AREA OF POTENTIAL INTERFERENC
SUP14 E.

The FAA Spectrum Engineering Services has completed the review of your Frequency Coordination Request.

TRK 210797 is assigned an FAA Coordination number NG T210814 that indicates FAA's coordination that may or may not include operational limits/conditions as part of the requirement for FAA concurrence. The FAA Spectrum Engineering Services has provided the following comments:

COMMENTS: THE MAX ERP IS 8.7 PICO WATTS

Please note that this concurrence does not constitute authority to transmit. Your authority to transmit must be obtained from the FCC.

Please provide this concurrence notice to the FCC as part of your frequency application, to demonstrate completion of the FAA coordination process. The FAA Coordination number is only valid until 3/27/2022; if you need an extension, please submit an inquiry via WebFCR .

The attached file contains a Card 3 format with all technical and operational parameters; operations are required to be contained within these parameters for the FAA's concurrence to remain valid. If any of these parameters change, the license to transmit shall be re-coordinated with the FAA and updated with the FCC. A document that explains each field of the Card 3 format in plain text is attached.

The following Revision Table outlines key parameters of this coordination:

Attribute	Record Parameter
Serial Number	NG T210814
Frequency	M1227.6000
City	HERNDON
State	VA
Transmitter Latitude	385533.00N
Transmitter Longitude	0772543.00W
Receiver Latitude	385533.00N
Receiver Longitude	0772543.00W
Equipment Type	C,GPS-RERAD

Best regards,

FAA Spectrum Engineering Services