

\$\$ADD NG T200866
TYP01 N
DAT01 201009
CLA01 U
FRQ01 M5042.0225
EXD01 211008
STC01 XT
EMS01 205K00X1D
PWR01 W10.00000
XSC01 CA
XAL01 CONCORD
XLA01 375900N
XLG01 1220322W
XAD01 0000T
XAZ01 ND
XCL01 GCS
RSC01 CA
RAL01 CONCORD
RLA01 375900N
RLG01 1220322W
RAZ01 ND
BUR01 FCC
BIN01
REM01 *RAD,0287,0155NM,R
REM02 *EQT,C,COL CNPC5000
REM03 *EQR,C,COL CNPC5000
REM04 *AGN,GROUND STATION EIRP IS 63 WATTS
REM05 *AGN,AIRCRAFT EIRP IS 20 WATTS
REM06 *AGN,FLL=000,FLT=150
REM07 *NTS,M018,FAA ,201009,RMURPHY,NG T200866
SUP01 PURPOSE OF THE REQUEST:=RADIOS WILL BE USED FOR THE C2 LINK BETWEEN AN O
SUP02 PA AND ITS GCS. TELEMETRY, VEHICLE STATE DATA, WAYPOINT AND PATH MODIFIC
SUP03 ATION COMMANDS, AND LINK HEALTH STATUS WILL BE EXCHANGED.;;;

From: <donotreply_from_webfcr@faa.gov>

Date: Fri, Oct 9, 2020 at 11:43 AM

Subject: FAA Concurrence of Record TRK 200888, Project: NFEAD09/22/2020(1)

To: Anna Dietrich <anna@xwing.com>

Cc: Rod Murphy <Rodney.Murphy@faa.gov>, Lorena Carvajal <Lorena.Carvajal@faa.gov>, Surya CTR Kanchiraju <Surya.CTR.Kanchiraju@faa.gov>, Clifford CTR Vines <Clifford.CTR.Vines@faa.gov>, Patrick CTR Bledzki <Patrick.CTR.Bledzki@faa.gov>

Dear Anna Dietrich,

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

TRK 200888 is assigned an FAA Coordination number NG T200866 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: REQUEST APPROVED FOR TWO SEPARATE CHANNELS (#6 AND #32) FOR UAS C2 CONTROL WITH A RADIUS OF 155 NAUTICAL MILES (LIMITED TO SACRAMENTO VALLEY) AND ALTITUDE OF 15000 FEET. RADIO ARE FOR PERFORMANCE TESTING IN ACCORDANCE WITH RTCA STANDARDS AND CHANNELIZATION. EACH CHANNEL IS TO BE USED BIDIRECTIONALLY. FOR UNMANNED FLIGHTS A COA MAY BE NEEDED.

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 4/7/2021; 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 T200866
Frequency	M5042.0225
City	CONCORD
State	CA
Transmitter Latitude	375900.00N
Transmitter Longitude	1220322.00W
Antenna Height	0000
Receiver Latitude	375900.00N
Receiver Longitude	1220322.00W
Equipment Type	C,COL CNPC5000

Flight Level	150
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Best regards,

FAA Spectrum Engineering Services