

Subject: FAA Concurrence of Record TRK 183548

Dear Proponent,

Your Frequency Coordination Request has been engineered by FAA Spectrum Engineering. TRK 183548 is assigned an FAA Coordination number NG T180720 which indicates FAA's concurrence. Please note that this does not constitute authority to transmit.

A formal application must be filed with the FCC, that includes reference to the above FAA Coordination number which is valid until 5/29/2019. If an extension is desired, please submit an inquiry via WebFCR for an extension. Your authority to transmit accordingly must be obtained from the FCC. FAA Spectrum has provided the following comment:

FAU Line: USING CHANNEL B VIDEO (250 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO. OPERATIONS INCLUDE FIXED GROUND STATION AT CEDAR RAPIDS AIRPORT (CID) AND MOBILE GROUND BASED TESTING USING VAN IN THE VICINITY. THREE LEVELS OF TESTING TO BE PERFORMED (LAB BENCH TESTING, GROUND TO GROUND, AND AIR TO GROUND). RADIOS WILL BE TESTED FROM A MANNED AIRCRAFT IN LIEU OF A UAS AND WILL BE PAYLOAD, NOT C2. VIDEO SIGNAL IS FOR TAKEOFF, LANDING, AND TAXIING ONLY WITH 5 NAUTICAL MILES OF AIRPORT UP TO 1000 FEET AGL. MAXIMUM EIRP LIMITED TO 1 WATT. VIDEO LINK SHALL BE USED IN ONE DIRECTION/SIMPLEX MODE AT ANY GIVEN TIME. FINAL DEVELOPED VIDEO LINK SHALL BE FROM AIRCRAFT TO GROUND ONLY.

COMMENTS TO BE ADDED TO FCC GRANT: ONE RECORD EACH FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING DIFFERENT BANDWIDTHS (85 KHZ, 130 KHZ, 170 KHZ, 205 KHZ). FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT. FAA CONCURRENCE IS BASED UPON THE UNDERSTANDING THAT THE RADIO IS A PROTOTYPE AND NOT THE FINAL APPROVED VERSION. VIDEO SIGNAL IS FOR TAKEOFF, LANDING, AND TAXIING ONLY WITH 5 NAUTICAL MILES OF AIRPORT UP TO 1000 FEET AGL WITH A MAXIMUM EIRP LIMITED TO 1 WATT.

Attribute	Revised Value
Frequency	M5049.8200
Equipment Type	C,RWC CNPC-5000E

Thank You

FAA Spectrum Engineering