

From: donotreply_from_webfcr@faa.gov
To: [Thorsheim \(US\), Joel D](#)
Cc: [Rod Murphy](#); [Lorena Carvajal](#); [Rod Murphy](#); [Surya CTR Kanchiraju](#); [Clifford CTR Vines](#); [Patrick CTR Bledzki](#)
Subject: FAA Concurrence of Record TRK 210062, Project: PENDLETON C-BAND C2
Date: Wednesday, February 03, 2021 10:35:05 AM
Attachments: [TRK 210062_NG T210063 Card3 Approved.txt](#)
[NTIA-Card3-Descriptions.pdf](#)

Dear Joel Thorsheim,

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

TRK 210062 is assigned an FAA Coordination number NG T210063 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: FAA CONCURS WITH TEMPORARY USAGE FOR SIX MONTHS UNTIL TRANSITION TO 5030 -5040 MHZ. HOWEVER, IF THE UAS PLATFORMS UNDER W12XHD AND WK2XUB ARE NOT ABLE TO FLY CONCURRENTLY DUE TO RISK OF RF INTERFERENCE TO EACH OTHER, THEN BOTH PLATFORMS MUST USE DISCRETE SINGLE FREQUENCY OPERATIONS WITHIN 5030-5040 MHZ PRECOORDINATED WITH FAA.

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 8/2/2021; 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 T210063
Frequency	M5060.0000
Upper Frequency	M5070.0000
City	PENDLETON
State	OR
Transmitter Radius	0027
Transmitter Latitude	454121.00N
Transmitter Longitude	1185032.00W

Antenna Height	0006
Receiver Latitude	454121.00N
Receiver Longitude	1185032.00W
Equipment Type	C,FRW MM2-M13 + FREQUENCY CONV
Antenna Type	DIPOLE
Flight Level	150

Best regards,

FAA Spectrum Engineering Services

From: donotreply_from_webfcr@faa.gov
To: [Thorsheim \(US\), Joel D](#)
Cc: [Rod Murphy](#); [Lorena Carvajal](#); [Rod Murphy](#); [Surya CTR Kanchiraju](#); [Clifford CTR Vines](#); [Patrick CTR Bledzki](#)
Subject: FAA Concurrence of Record TRK 210063, Project: PENDLETON C-BAND C2
Date: Wednesday, February 03, 2021 10:32:48 AM
Attachments: [TRK 210063_NG T210064_Card3_Approved.txt](#)
[NTIA-Card3-Descriptions.pdf](#)

Dear Joel Thorsheim,

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

TRK 210063 is assigned an FAA Coordination number NG T210064 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: FAA CONCURS WITH TEMPORARY USAGE FOR SIX MONTHS UNTIL TRANSITION TO 5030 -5040 MHZ. HOWEVER, IF THE UAS PLATFORMS UNDER W12XHD AND WK2XUB ARE NOT ABLE TO FLY CONCURRENTLY DUE TO RISK OF RF INTERFERENCE TO EACH OTHER, THEN BOTH PLATFORMS MUST USE DISCRETE SINGLE FREQUENCY OPERATIONS WITHIN 5030-5040 MHZ PRECOORDINATED WITH FAA.

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 8/2/2021; 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 T210064
Frequency	M5060.0000
Upper Frequency	M5070.0000
City	PENDLETON
State	OR
Transmitter Radius	0001
Transmitter Latitude	454121.00N
Transmitter Longitude	1185032.00W

Antenna Height	0006
Receiver Latitude	454121.00N
Receiver Longitude	1185032.00W
Equipment Type	C,FRW MM2-M13 + FREQUENCY CONV
Antenna Type	PARABOLIC

Best regards,

FAA Spectrum Engineering Services

From: donotreply_from_webfcr@faa.gov
To: [Thorsheim \(US\), Joel D](#)
Cc: [Margarette Ebate](#); [Lorena Carvajal](#); [Rod Murphy](#); [Surya CTR Kanchiraju](#); [Clifford CTR Vines](#); [Patrick CTR Bledzki](#)
Subject: FAA Concurrence of Record TRK 210105, Project: INSITU - UAS C2 5060-5070 MHZ BINGEN
Date: Tuesday, February 09, 2021 5:23:27 PM
Attachments: [TRK 210105_NG T210104_Card3_Approved.txt](#)
[NTIA-Card3-Descriptions.pdf](#)

Dear Joel Thorsheim,

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

TRK 210105 is assigned an FAA Coordination number NG T210104 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: NONE

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 8/8/2021; 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 T210104
Frequency	M5060.0000
Upper Frequency	M5070.0000
City	BINGEN
State	WA
Transmitter Radius	0001
Transmitter Latitude	454223.00N
Transmitter Longitude	1212729.00W
Antenna Height	0006
Receiver Latitude	454223.00N

Receiver Longitude	1212729.00W
Equipment Type	C,FRW MM2-M13
Antenna Type	PARABOLIC

Best regards,

FAA Spectrum Engineering Services