

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 200763, Project: INSITU SCAN EAGLE 3 TILLAMOOK, OR
Date: Wednesday, March 03, 2021 8:27:06 AM
Attachments: [TRK 200763_NG T200737_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 200763 is assigned an FAA Coordination number NG T200737 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: TESTING FOR 5060-5070 MHZ IS ONE TIME FOR RF FILTERS. ANY RENEWAL WILL REQUIRE (1) USE OF 5030-5040 MHZ, (2) USE OF DISCRETE FREQUENCIES INSTEAD OF ENTIRE BAND OR SUB-BAND, AND (3) NO FREQUENCY HOPPING. POSSIBLE RADIO FREQUENCY INTERFERENCE TO FLIGHT OPERATIONS FROM NORTH DUE TO OTHER FEDERAL OPERATIONS.

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 8/30/2021; 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 T200737 |
| Frequency | M5060.0000 |
| Upper Frequency | M5070.0000 |
| City | TILLAMOOK |
| State | OR |
| Transmitter Radius | 0001 |
| Transmitter Latitude | 452509.00N |
| Transmitter Longitude | 1234852.00W |
| Antenna Height | 0000 |

| | |
|--------------------|-----------------|
| Receiver Latitude | 452509.00N |
| Receiver Longitude | 1234852.00W |
| Equipment Type | C,FRW P-501X005 |
| Antenna Type | PARABOLIC |

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 200742, Project: INSITU SCAN EAGLE 3 TILLAMOOK, OR
Date: Wednesday, March 03, 2021 8:29:11 AM
Attachments: [TRK 200742_NG T200716 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 200742 is assigned an FAA Coordination number NG T200716 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: TESTING FOR 5060-5070 MHZ IS ONE TIME FOR RF FILTERS. ANY RENEWAL WILL REQUIRE (1) USE OF 5030-5040 MHZ, (2) USE OF DISCRETE FREQUENCIES INSTEAD OF ENTIRE BAND OR SUB-BAND, AND (3) NO FREQUENCY HOPPING. POSSIBLE RADIO FREQUENCY INTERFERENCE TO FLIGHT OPERATIONS FROM NORTH DUE TO OTHER FEDERAL OPERATIONS.

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 8/30/2021; 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 T200716 |
| Frequency | M5060.0000 |
| Upper Frequency | M5070.0000 |
| City | TILLAMOOK |
| State | OR |
| Transmitter Radius | 0059 |
| Transmitter Latitude | 452509.00N |
| Transmitter Longitude | 1234852.00W |
| Receiver Latitude | 452509.00N |

| | |
|--------------------|-----------------|
| Receiver Longitude | 1234852.00W |
| Equipment Type | C,FRW P-501X005 |
| Antenna Type | DIPOLE |
| Flight Level | 100 |

Best regards,

FAA Spectrum Engineering Services

From: donotreply_from_webfcr@faa.gov
To: [Thorsheim \(US\), Joel D](#)
Cc: [Alejandro Jimenez](#); [Lorena Carvajal](#); [Rod Murphy](#); [Surya CTR Kanchiraju](#); [Clifford CTR Vines](#); [Patrick CTR Bledzki](#)
Subject: FAA Concurrence of Record TRK 200712, Project: INSITU SCAN EAGLE 3 TILLAMOOK, OR
Date: Tuesday, January 05, 2021 8:54:21 AM
Attachments: [TRK 200712_NG T200686 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 200712 is assigned an FAA Coordination number NG T200686 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 7/4/2021; 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 T200686 |
| Frequency | M1090.0000 |
| City | TILLAMOOK |
| State | OR |
| Transmitter Radius | 0059 |
| Transmitter Latitude | 452509.00N |
| Transmitter Longitude | 1234852.00W |
| Antenna Height | 0000 |
| Receiver Latitude | 452509.00N |
| Receiver Longitude | 1234852.00W |

| | |
|----------------|-------------|
| Equipment Type | C,PING-200S |
| Antenna Type | DIPOLE |
| Flight Level | 100 |

Best regards,

FAA Spectrum Engineering Services

From: donotreply_from_webfcr@faa.gov
To: [Thorsheim \(US\), Joel D](#)
Cc: [Thomas Ahn](#); [Lorena Carvajal](#); [Rod Murphy](#); [Surya CTR Kanchiraju](#); [Clifford CTR Vines](#); [Patrick CTR Bledzki](#)
Subject: FAA Concurrence of Record TRK 200740, Project: INSITU SCAN EAGLE 3 TILLAMOOK, OR
Date: Tuesday, October 06, 2020 1:35:23 PM
Attachments: [TRK 200740_NG T200714 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 200740 is assigned an FAA Coordination number NG T200714 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 4/4/2021; 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 T200714 |
| Frequency | M1370.0000 |
| Upper Frequency | M1390.0000 |
| City | TILLAMOOK |
| State | OR |
| Transmitter Radius | 0059 |
| Transmitter Latitude | 452509.00N |
| Transmitter Longitude | 1234852.00W |
| Antenna Height | 0000 |
| Receiver Latitude | 452509.00N |

| | |
|--------------------|-----------------|
| Receiver Longitude | 1234852.00W |
| Equipment Type | C,FRW P-501X005 |
| Antenna Type | DIPOLE |
| Flight Level | 100 |

Best regards,

FAA Spectrum Engineering Services

From: donotreply_from_webfcr@faa.gov
To: [Thorsheim \(US\), Joel D](#)
Cc: [Thomas Ahn](#); [Lorena Carvajal](#); [Rod Murphy](#); [Surya CTR Kanchiraju](#); [Clifford CTR Vines](#); [Patrick CTR Bledzki](#)
Subject: FAA Concurrence of Record TRK 200741, Project: INSITU SCAN EAGLE 3 TILLAMOOK, OR
Date: Tuesday, October 06, 2020 1:38:29 PM
Attachments: [TRK 200741_NG T200715 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 200741 is assigned an FAA Coordination number NG T200715 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 4/4/2021; 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 T200715 |
| Frequency | M1370.0000 |
| Upper Frequency | M1390.0000 |
| City | TILLAMOOK |
| State | OR |
| Transmitter Radius | 0001 |
| Transmitter Latitude | 452509.00N |
| Transmitter Longitude | 1234852.00W |
| Antenna Height | 0000 |
| Receiver Latitude | 452509.00N |

| | |
|--------------------|-----------------|
| Receiver Longitude | 1234852.00W |
| Equipment Type | C,FRW P-501X005 |
| Antenna Type | PARABOLIC |

Best regards,

FAA Spectrum Engineering Services