

**From:** [donotreply\\_from\\_webfcr@faa.gov](mailto:donotreply_from_webfcr@faa.gov)  
**To:** [Lindsay \(US\), Allen S](mailto:Lindsay (US), Allen S)  
**Cc:** [robert.ctr.lando@faa.gov](mailto:robert.ctr.lando@faa.gov)  
**Subject:** FAA Concurrence of Record TRK 230548, Project: NFEAL05/16/2023(1)  
**Date:** Wednesday, May 17, 2023 7:52:10 AM  
**Attachments:** [TRK 230548 NG T230567 Card3 Approved.txt](#)  
[NTIA-Card3-Descriptions.pdf](#)

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Dear allen.s.lindsay@boeing.com,

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

TRK 230548 is assigned an FAA Coordination number NG T230567 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: SPECIAL CONDITIONS: 1) AIRBORNE TEST OF SCAN EAGLE UAS ONLY WITH SAGETEC H XPC-TR-50 TRANSPONDER (PN 240-000217-001, FCC ID YT5XP-TR) 2)MODES 3/ A AND C ONLY 3)SET 3/A CODE TO 1200 OR AS DICTATED BY ATC 4)MUST TEST IA W 2016-WSA-170-COA 5) SHALL FOLLOW RESTRICTIONS PLACED ON COMMAND AND CO N TROL LINKS (6) IF ANY OPERATIONS, INCLUDING LAUNCH AND RECOVERY, ARE O UT SIDE OF WARNING/RESTRICTED AREAS SHALL MAINTAIN 2-WAY COMMUNICATION W ITH ATC, FLY UNDER A FLIGHT PLAN, AND POSSESS A COA AND FOLLOW ANY RESTR ICT IONS WITHIN THE COA 7)STOP BUZZER IS INSITU OPERATIONS ACTION CENTER AT 509-493-4691.

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 11/13/2023; 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:

<b>Attribute</b>	<b>Record Parameter</b>
Serial Number	NG T230567
Frequency	M1090.0000
City	ARLINGTON
State	OR
Transmitter Radius	1 NM
Transmitter Latitude	454320.00N
Transmitter Longitude	1201036.00W

Receiver Latitude	454320.00N
Receiver Longitude	1201036.00W
Equipment Type	C,SAGETECH-XPC-TR-50,PD0.450

Best regards,

FAA Spectrum Engineering Services

**From:** [donotreply\\_from\\_webfcr@faa.gov](mailto:donotreply_from_webfcr@faa.gov)  
**To:** [Lindsay \(US\), Allen S](mailto:Lindsay (US), Allen S)  
**Cc:** [robert.ctr.lando@faa.gov](mailto:robert.ctr.lando@faa.gov)  
**Subject:** FAA Concurrence of Record TRK 230549, Project: NFEAL05/16/2023(2)  
**Date:** Wednesday, May 17, 2023 7:53:09 AM  
**Attachments:** [TRK 230549 NG T230568 Card3 Approved.txt](#)  
[NTIA-Card3-Descriptions.pdf](#)

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Dear allen.s.lindsay@boeing.com,

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

TRK 230549 is assigned an FAA Coordination number NG T230568 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: SPECIAL CONDITIONS: 1)SUPPORT INDOOR GROUND TESTING ONLY OF UAS SAGETECH TRANSPONDER XPC-TR-50 (PN 240-000217-001) 2) MODES 3/A AND C ONLY 3) SE T 3/A CODE TO 1200 OR AS DICTATED BY ATC 4) AND ALTITUDE MUST BE 600FT B ELOW GROUND LEVEL OR ABOVE 90000FT 5) MAXIMUM OF 4 INTERROGATION SEQUE NC ES PER MINUTE 6)ANY GROUND TESTING OF TRANSPONDER SYSTEM MUST PREVENT BE ING A SOURCE OF INTERFERENCE TO AC OPERATING IN THE AREA 7) RADIATIO N OV ER THE AIR IS LIMITED TO VERIFICATION OF ANTENNA AND CABLE CONNECTI ON, A LL OTHER TESTING SHALL BE PERFORMED USING DIRECT CONNECT METHOD OR USE A NTENNA COVERS 8) TESTING MUST BE COORDINATED WITH ATC 9) STOP BUZ ZER AT INSITU OPP CENTR 509-493-4691.

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 11/13/2023; 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:

<b>Attribute</b>	<b>Record Parameter</b>
Serial Number	NG T230568
Frequency	M1090.0000
City	BINGEN
State	WA
Transmitter Radius	1 NM
Transmitter Latitude	454223.00N

Transmitter Longitude	1212729.00W
Receiver Latitude	454223.00N
Receiver Longitude	1212729.00W
Equipment Type	C,SAGETECH-XPC-TR-50,PD0.450

Best regards,

FAA Spectrum Engineering Services

**From:** [donotreply\\_from\\_webfcr@faa.gov](mailto:donotreply_from_webfcr@faa.gov)  
**To:** [Lindsay \(US\), Allen S](#)  
**Cc:** [robert.ctr.lando@faa.gov](mailto:robert.ctr.lando@faa.gov)  
**Subject:** FAA Concurrence of Record TRK 230551, Project: NFEAL05/16/2023(4)  
**Date:** Wednesday, May 17, 2023 7:49:32 AM  
**Attachments:** [TRK 230551\\_NG T230570 Card3 Approved.txt](#)  
[NTIA-Card3-Descriptions.pdf](#)

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Dear allen.s.lindsay@boeing.com,

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

TRK 230551 is assigned an FAA Coordination number NG T230570 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: SPECIAL CONDITIONS: 1) AIRBORNE TEST OF SCAN EAGLE UAS ONLY WITH SAGETEC H XPC-TR-50 TRANSPONDER (PN 240-000217-001, FCC ID YT5XP-TR) 2) TESTING INSIDE OF RESTRICTED AREA (R-5701) ONLY AND FLIGHT ALTITUDE MUST CONFORM TO THE DEFINITION OF THE RESTRICTED AREA 3) MODES 3/A AND C ONLY 4)SET 3/A CODE TO 1200 OR AS DICTATED BY ATC 5) SHALL FOLLOW RESTRICTIONS PLAC ED ON COMMAND AND CONTROL LINKS (6) IF ANY OPERATIONS, INCLUDING LAUNCH AND RECOVERY, ARE OUTSIDE OF WARNING/RESTRICTED AREAS SHALL MAINTAIN 2-W AY COMMUNICATION WITH ATC, FLY UNDER A FLIGHT PLAN, AND POSSESS A COA AN D FOLLOW ANY RESTRICTIONS WITHIN THE COA 7)STOP BUZZER IS INSITU OPERATI ONS ACTION CENTER AT 509-493-4691.

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 11/13/2023; 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:

<b>Attribute</b>	<b>Record Parameter</b>
Serial Number	NG T230570
Frequency	M1090.0000
City	BOARDMAN RANGE
State	OR
Transmitter Radius	50 NM
Transmitter Latitude	454454.00N

Transmitter Longitude	1194738.00W
Receiver Latitude	454454.00N
Receiver Longitude	1194738.00W
Equipment Type	C,SAGETECH-XPC-TR-50,FX,PD0.45

Best regards,

FAA Spectrum Engineering Services