



Benjamin LaVan Griffith <blgriffi@umd.edu>

FAA Concurrence of Record TRK 230576, Project: NFEBG06/13/2023(1)

1 message

donotreply_from_webfcr@faa.gov <donotreply_from_webfcr@faa.gov>

Mon, Aug 14, 2023 at 2:37 PM

To: blgriffi@umd.edu

Cc: Rodney.Murphy@faa.gov

Dear blgriffi@umd.edu,

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

TRK 230576 is assigned an FAA Coordination number NG T230599 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: CHANNEL 24B (175 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING 170 KHZ BANDWIDTH. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT.

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 2/10/2024; 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 T230599
Frequency	M5045.8700
City	WENONA
State	MD
Transmitter Radius	35 NM
Transmitter Latitude	380820.00N
Transmitter Longitude	0755701.00W
Receiver Latitude	380820.00N
Receiver Longitude	0755701.00W

Antenna Type	DIPOLE
Flight Level	4500 Feet

Best regards,

FAA Spectrum Engineering Services

2 attachments

 **TRK 230576_NG T230599_Card3_Approved.txt**
1K

 **NTIA-Card3-Descriptions.pdf**
258K



Benjamin LaVan Griffith <blgriffi@umd.edu>

FAA Concurrence of Record TRK 230579, Project: NFEBG06/13/2023(2)

1 message

donotreply_from_webfcr@faa.gov <donotreply_from_webfcr@faa.gov>

Mon, Aug 14, 2023 at 2:37 PM

To: blgriffi@umd.edu

Cc: Rodney.Murphy@faa.gov

Dear blgriffi@umd.edu,

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

TRK 230579 is assigned an FAA Coordination number NG T230602 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: CHANNEL 24B (175 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING 170 KHZ BANDWIDTH. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT.

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 2/10/2024; 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 T230602
Frequency	M5045.8700
City	WENONA
State	MD
Transmitter Radius	35 NM
Transmitter Latitude	380820.00N
Transmitter Longitude	0755701.00W
Antenna Height	20 Feet
Receiver Latitude	380820.00N

Receiver Longitude	0755701.00W
Antenna Type	PATCH

Best regards,

FAA Spectrum Engineering Services

2 attachments

 **TRK 230579_NG T230602_Card3_Approved.txt**
1K

 **NTIA-Card3-Descriptions.pdf**
258K



Benjamin LaVan Griffith <blgriffi@umd.edu>

FAA Concurrence of Record TRK 230581, Project: NFEBG06/13/2023(2)

1 message

donotreply_from_webfcr@faa.gov <donotreply_from_webfcr@faa.gov>

Mon, Aug 14, 2023 at 2:38 PM

To: blgriffi@umd.edu

Cc: Rodney.Murphy@faa.gov

Dear blgriffi@umd.edu,

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

TRK 230581 is assigned an FAA Coordination number NG T230604 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: CHANNEL 39B (175 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING 170 KHZ BANDWIDTH. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT.

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 2/10/2024; 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 T230604
Frequency	M5049.0950
City	WENONA
State	MD
Transmitter Radius	35 NM
Transmitter Latitude	380820.00N
Transmitter Longitude	0755701.00W
Antenna Height	20 Feet
Receiver Latitude	380820.00N

Receiver Longitude	0755701.00W
Antenna Type	PATCH

Best regards,

FAA Spectrum Engineering Services

2 attachments

 **TRK 230581_NG T230604_Card3_Approved.txt**
1K

 **NTIA-Card3-Descriptions.pdf**
258K



Benjamin LaVan Griffith <blgriffi@umd.edu>

FAA Concurrence of Record TRK 230578, Project: NFEBG06/13/2023(1)

1 message

donotreply_from_webfcr@faa.gov <donotreply_from_webfcr@faa.gov>

Mon, Aug 14, 2023 at 2:38 PM

To: blgriffi@umd.edu

Cc: Rodney.Murphy@faa.gov

Dear blgriffi@umd.edu,

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

TRK 230578 is assigned an FAA Coordination number NG T230601 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: CHANNEL 39B (175 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING 170 KHZ BANDWIDTH. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT.

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 2/10/2024; 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 T230601
Frequency	M5049.0950
City	WENONA
State	MD
Transmitter Radius	35 NM
Transmitter Latitude	380820.00N
Transmitter Longitude	0755701.00W
Receiver Latitude	380820.00N
Receiver Longitude	0755701.00W

Antenna Type	DIPOLE
Flight Level	4500 Feet

Best regards,

FAA Spectrum Engineering Services

2 attachments

 **TRK 230578_NG T230601_Card3_Approved.txt**
1K

 **NTIA-Card3-Descriptions.pdf**
258K



Benjamin LaVan Griffith <blgriffi@umd.edu>

FAA Concurrence of Record TRK 230580, Project: NFEBG06/13/2023(2)

1 message

donotreply_from_webfcr@faa.gov <donotreply_from_webfcr@faa.gov>

Mon, Aug 14, 2023 at 2:38 PM

To: blgriffi@umd.edu

Cc: Rodney.Murphy@faa.gov

Dear blgriffi@umd.edu,

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

TRK 230580 is assigned an FAA Coordination number NG T230603 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: CHANNEL 33B (175 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING 170 KHZ BANDWIDTH. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT.

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 2/10/2024; 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 T230603
Frequency	M5047.8050
City	WENONA
State	MD
Transmitter Radius	35 NM
Transmitter Latitude	380820.00N
Transmitter Longitude	0755701.00W
Antenna Height	20 Feet
Receiver Latitude	380820.00N

Receiver Longitude	0755701.00W
Antenna Type	PATCH

Best regards,

FAA Spectrum Engineering Services

2 attachments



TRK 230580_NG T230603_Card3_Approved.txt
1K



NTIA-Card3-Descriptions.pdf
258K



Benjamin LaVan Griffith <blgriffi@umd.edu>

FAA Concurrence of Record TRK 230577, Project: NFEBG06/13/2023(1)

1 message

donotreply_from_webfcr@faa.gov <donotreply_from_webfcr@faa.gov>

Mon, Aug 14, 2023 at 2:38 PM

To: blgriffi@umd.edu

Cc: Rodney.Murphy@faa.gov

Dear blgriffi@umd.edu,

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

TRK 230577 is assigned an FAA Coordination number NG T230600 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: CHANNEL 33B (175 KHZ) FOR DEVELOPMENT OF DO-362 COMPLIANT CNPC C-BAND RADIO FOR GROUND AND AIRBORNE STATIONS FOR SINGLE FREQUENCY DUPLEX OPERATION. FREQUENCY SELECTION BASED UPON RTCA PHASE ONE UAS C2 CHANNELIZATION USING 170 KHZ BANDWIDTH. FREQUENCY SELECTION IS LIMITED TO THIS LOCATION AND NOT TO BE CONSTRUED FOR EITHER NATIONWIDE USAGE OR POSSESSION BY THE PROPONENT.

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 2/10/2024; 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 T230600
Frequency	M5047.8050
City	WENONA
State	MD
Transmitter Radius	35 NM
Transmitter Latitude	380820.00N
Transmitter Longitude	0755701.00W
Receiver Latitude	380820.00N
Receiver Longitude	0755701.00W

Antenna Type	DIPOLE
Flight Level	4500 Feet

Best regards,

FAA Spectrum Engineering Services

2 attachments



TRK 230577_NG T230600_Card3_Approved.txt
1K



NTIA-Card3-Descriptions.pdf
258K