From:	donotreply_from_webfcr@faa.gov
To:	james.e.ortega@rtx.com
Cc:	Diem.T.Nguyen@faa.gov
Subject:	[External] FAA Concurrence of Record TRK 210994, Project: NFEJO11/17/2021(1)
Date:	Tuesday, December 7, 2021 1:50:05 PM
Attachments:	TRK 210994_NG T211012_Card3_Approved.txt NTIA-Card3-Descriptions.pdf

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Dear james.e.ortega@rtx.com,

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

TRK 210994 is assigned an FAA Coordination number NG T211012 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 APPROVAL IS BASED STRICTLY UPON THE USE OF 5 DBI AND 2 DBI ANTENNAS FOR THE GROUND AND UAV STATIONS, RESPECTIVELY. ANY CHANGE IN ANTENNA GAI N AND/OR EIRP WILL NEED RECOORDINATION WITH THE FAA. DUE TO ANTICIPATED CHANGES IN THE 1350-1370 MHZ BAND, AND IMPACT TO CURRENT AND FUTURE FAA OPERATIONS, THE FAA CANNOT CONTINUE LONG-TERM SUPPORT OF COYOTE UAS DEV E LOPMENT UNLESS THE MILITARY SPONSOR LOOKS TO OTHER FREQUENCY BANDS FO R S EPARATE OPERATIONAL USE OF THE C2 AND PAYLOAD LINKS. HOWEVER, THE FA A WI LL ALLOW FOR A TRANSITION PERIOD (UP TO ONE YEAR) WITH THE UNDERSTA N DING THAT FUTURE COORDINATION IS FOR DEMONSTRATION/PROOF-OF-CONCEPT PU RP OSES ONLY. ALSO, A SPS SUBMISSION FOR THE UAS PLATFORM & RADIO WILL B E R EQUI RED. FOR FURTHER ELABORATION, CONTACT RODNEY.MURPHY@FAA.GOV AND /OR DONAL D.NELLIS@FAA.GOV.

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 6/5/2022; 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 T211012
Frequency	M1362.0000
City	TWENTYNINE PALMS
State	CA
Transmitter Radius	5 NM

Transmitter Latitude	342106.00N
Transmitter Longitude	1161743.00W
Receiver Latitude	342106.00N
Receiver Longitude	1161743.00W
Equipment Type	C,PSY R1100
Antenna Type	PATCH
Flight Level	3000 Feet

Best regards,

FAA Spectrum Engineering Services

From:	donotreply_from_webfcr@faa.gov
To:	james.e.ortega@rtx.com
Cc:	Diem.T.Nguyen@faa.gov
Subject:	[External] FAA Concurrence of Record TRK 210995, Project: NFEJO11/17/2021(1)
Date:	Tuesday, December 7, 2021 1:50:54 PM
Attachments:	TRK 210995_NG T211013_Card3_Approved.txt NTIA-Card3-Descriptions.pdf

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Dear james.e.ortega@rtx.com,

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

TRK 210995 is assigned an FAA Coordination number NG T211013 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 APPROVAL IS BASED STRICTLY UPON THE USE OF 5 DBI AND 2 DBI ANTENNAS FOR THE GROUND AND UAV STATIONS, RESPECTIVELY. ANY CHANGE IN ANTENNA GAI N AND/OR EIRP WILL NEED RECOORDINATION WITH THE FAA. DUE TO ANTICIPATED CHANGES IN THE 1350-1370 MHZ BAND, AND IMPACT TO CURRENT AND FUTURE FAA OPERATIONS, THE FAA CANNOT CONTINUE LONG-TERM SUPPORT OF COYOTE UAS DEVE LOPMENT UNLESS THE MILITARY SPONSOR LOOKS TO OTHER FREQUENCY BANDS FOR S EPARATE OPERATIONAL USE OF THE C2 AND PAYLOAD LINKS. HOWEVER, THE FAA WI LL ALLOW FOR A TRANSITION PERIOD (UP TO ONE YEAR) WITH THE UNDERSTANDING THAT FUTURE COORDINATION IS FOR DEMONSTRATION/PROOF-OF-CONCEPT PURPOSES ONLY. ALSO, A SPS SUBMISSION FOR THE UAS PLATFORM & RADIO WILL BE REQUI RED. FOR FURTHER ELABORATION, CONTACT RODNEY.MURPHY@FAA.GOV AND/OR DONAL D.NELLIS@FAA.GOV.

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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 6/5/2022; 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 T211013
Frequency	M1362.0000
City	TWENTYNINE PALMS
State	CA
Transmitter Latitude	342106.00N
Transmitter Longitude	1161743.00W

Antenna Height	6 Feet
Receiver Latitude	342106.00N
Receiver Longitude	1161743.00W
Equipment Type	C,PSY R1100
Antenna Type	PATCH

Best regards,

FAA Spectrum Engineering Services

From:	donotreply_from_webfcr@faa.gov
To:	james.e.ortega@rtx.com
Cc:	Diem.T.Nguyen@faa.gov
Subject:	[External] FAA Concurrence of Record TRK 210996, Project: NFEJO11/17/2021(1)
Date:	Tuesday, December 7, 2021 1:51:26 PM
Attachments:	TRK 210996_NG T211014_Card3_Approved.txt NTIA-Card3-Descriptions.pdf

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Dear james.e.ortega@rtx.com,

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

TRK 210996 is assigned an FAA Coordination number NG T211014 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 APPROVAL IS BASED STRICTLY UPON THE USE OF 5 DBI AND 2 DBI ANTENNAS FOR THE GROUND AND UAV STATIONS, RESPECTIVELY. ANY CHANGE IN ANTENNA GAI N AND/OR EIRP WILL NEED RECOORDINATION WITH THE FAA. DUE TO ANTICIPATED CHANGES IN THE 1350-1370 MHZ BAND, AND IMPACT TO CURRENT AND FUTURE FAA OPERATIONS, THE FAA CANNOT CONTINUE LONG-TERM SUPPORT OF COYOTE UAS DEV E LOPMENT UNLESS THE MILITARY SPONSOR LOOKS TO OTHER FREQUENCY BANDS FOR S EPARATE OPERATIONAL USE OF THE C2 AND PAYLOAD LINKS. HOWEVER, THE FAA WI LL ALLOW FOR A TRANSITION PERIOD (UP TO ONE YEAR) WITH THE UNDERSTAN DING THAT FUTURE COORDINATION IS FOR DEMONSTRATION/PROOF-OF-CONCEPT PURP OSES ONLY. ALSO, A SPS SUBMISSION FOR THE UAS PLATFORM & RADIO WILL BE R EQUI RED. FOR FURTHER ELABORATION, CONTACT RODNEY.MURPHY@FAA.GOV AND/OR DONAL D.NELLIS@FAA.GOV.

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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 6/5/2022; 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 T211014
Frequency	M1377.0000
City	TWENTYNINE PALMS
State	CA
Transmitter Radius	5 NM

Transmitter Latitude	342106.00N
Transmitter Longitude	1161743.00W
Receiver Latitude	342106.00N
Receiver Longitude	1161743.00W
Equipment Type	C,PSY R1100
Antenna Type	PATCH
Flight Level	3000 Feet

Best regards,

FAA Spectrum Engineering Services

From:	donotreply_from_webfcr@faa.gov
To:	james.e.ortega@rtx.com
Cc:	Diem.T.Nguyen@faa.gov
Subject:	[External] FAA Concurrence of Record TRK 210997, Project: NFEJO11/17/2021(1)
Date:	Tuesday, December 7, 2021 1:51:54 PM
Attachments:	TRK 210997_NG T211015_Card3_Approved.txt NTIA-Card3-Descriptions.pdf

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Dear james.e.ortega@rtx.com,

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

TRK 210997 is assigned an FAA Coordination number NG T211015 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 APPROVAL IS BASED STRICTLY UPON THE USE OF 5 DBI AND 2 DBI ANTENNAS FOR THE GROUND AND UAV STATIONS, RESPECTIVELY. ANY CHANGE IN ANTENNA GAI N AND/OR EIRP WILL NEED RECOORDINATION WITH THE FAA. DUE TO ANTICIPATED CHANGES IN THE 1350-1370 MHZ BAND, AND IMPACT TO CURRENT AND FUTURE FAA OPERATIONS, THE FAA CANNOT CONTINUE LONG-TERM SUPPORT OF COYOTE UAS DEVE LOPMENT UNLESS THE MILITARY SPONSOR LOOKS TO OTHER FREQUENCY BANDS FOR S EPARATE OPERATIONAL USE OF THE C2 AND PAYLOAD LINKS. HOWEVER, THE FAA WI LL ALLOW FOR A TRANSITION PERIOD (UP TO ONE YEAR) WITH THE UNDERSTANDING THAT FUTURE COORDINATION IS FOR DEMONSTRATION/PROOF-OF-CONCEPT PURPOSES ONLY. ALSO, A SPS SUBMISSION FOR THE UAS PLATFORM & RADIO WILL BE REQUI RED. FOR FURTHER ELABORATION, CONTACT RODNEY.MURPHY@FAA.GOV AND/OR DONAL D.NELLIS@FAA.GOV.

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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 6/5/2022; 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 T211015
Frequency	M1377.0000
City	TWENTYNINE PALMS
State	CA
Transmitter Latitude	342106.00N
Transmitter Longitude	1161743.00W

Antenna Height	6 Feet
Receiver Latitude	342106.00N
Receiver Longitude	1161743.00W
Equipment Type	C,PSY R1100
Antenna Type	PATCH

Best regards,

FAA Spectrum Engineering Services