

FAA Coordinations for WJ2XQS Renewal

From: "donotreply_from_webfcr [at] faa.gov" <donotreply_from_webfcr [at] faa.gov>
Date: Monday, May 9, 2022 at 3:04 PM
To: Kevin Nekula <kevin.nekula [at] ngc.com>
Cc: "alejandro.ctr.jimenez [at] faa.gov" <alejandro.ctr.jimenez [at] faa.gov>
Subject: EXT :FAA Concurrence of Record TRK 221050, Project: NFEKN04/17/2022(1)

Dear kevin.nekula [at] ngc.com,

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

TRK 221050 is assigned an FAA Coordination number NG T221061 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 11/5/2022; 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 T221061
Frequency	M1030.0000
City	LINTHICUM
State	MD
Transmitter Radius	1 NM
Transmitter Latitude	391046.00N
Transmitter Longitude	0764123.00W
Antenna Height	15 Feet
Receiver Latitude	391046.00N
Receiver Longitude	0764123.00W
Equipment Type	C,NOC TPS-703 / UPX-37 (IFF),P
Antenna Type	SLOTTDWVGD

Best regards,

FAA Spectrum Engineering Services

CARD 3

\$\$ADD NG T221061
TYP01 N
DAT01 220509
CLA01 U
FRQ01 M1030.0000
EXD01 240430
STC01 XC
EMS01 8M00M1D
PWR01 K2.00000
XSC01 MD
XAL01 LINTHICUM
XLA01 391046N
XLG01 0764123W
XAD01 21GSL0TTDWWVD 0005T
XAP01 V
XAZ01 R
RSC01 MD
RAL01 LINTHICUM
RLA01 391046N
RLG01 0764123W
RAD01 21GSL0TTDWWVD 0005T
RAP01 V
RAZ01 R
BUR01 FCC
BIN01
REM01 *PRR,309
REM02 *RAD,0002,0001NM,B
REM03 *EQT,C,NOC TPS-703 / UPX-37 (IFF),P
REM04 *EQR,C,NOC TPS-703 / UPX-37 (IFF)
REM05 *NTS,M018,FAA ,220509,AJIMENE,NG T221061
SUP01 PURPOSE OF THE REQUEST IS TO SUPPORT THE RENEWAL OF THE FCC LICENSE WJ2
SUP02 XQS: RFA WILL SUPPORT THE DOD CONTRACT FOR THE DEVELOPMENT OF FUNCTIONAL
SUP03 ITY RELATED TO THE TPS-703 PRIMARY SEARCH RADAR TEAMED WITH THE UPX-37
SUP04 IFF. SIF MODES 1,2,3/A, C ARE INTERLACED 1/1 WHEN SELECTED. TYPICAL OPER
SUP05 ATION IS ONLY MODE 3/A AND C. ALL RADIATION MUST BE CONFINED TO 275-310
SUP06 DEGREES REFERENCE TO TRUE NORTH. ALL OTHER AZIMUTHS ANGLES MUST BE BLA
SUP07 NKED. THE SYSTEM WILL USE THE ANTENNA TPS-78 AND TPS-703 WITH BACK FILL
SUP08 RADIATOR, TO COVER THE SIDE AND BACK LOBES. 2KW REPRESENT THE MAX ALLOWE
SUP09 D TX POWER, TX POWER SHOULD BE ADJUSTED TO THE NECESSARY TO COVER THE 10
SUP10 8 NM. TO MANAGE THE AGGREGATE IMPACT IN 1030/1090 MHZ THIS RFA CAN NOT O
SUP11 PERATE SIMULTANEOUSLY WITH THE UPX-37 WITH TPS-78 AND TPS-703 AT ELKRIDG
SUP12 E, MD. THE DOD CONTRACTING AGENCY DOES NOT WISH TO BE IDENTIFIED. THE CO
SUP13 NTRACT NUMBER ITSELF IS CLASSIFIED.THIS EFFORT PAIRS THE TPS-703 PRIMARY
SUP14 SEARCH RADAR WITH THE ASSOCIATED UPX-37 SYSTEM.PRODUCTION TESTING OF AN
SUP15 AIR SURVEILLANCE RADAR SYSTEM.

From: "donotreply_from_webfcr [at] faa.gov" <donotreply_from_webfcr [at] faa.gov>
Date: Monday, May 9, 2022 at 3:12 PM
To: Kevin Nekula <kevin.nekula [at] ngc.com>
Cc: "alejandro.ctr.jimenez [at] faa.gov" <alejandro.ctr.jimenez [at] faa.gov>
Subject: EXT :FAA Concurrence of Record TRK 221051, Project: NFEKN04/17/2022(2)

Dear kevin.nekula [at] ngc.com,

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

TRK 221051 is assigned an FAA Coordination number NG T221062 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 11/5/2022; 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 T221062
Frequency	M1030.0000
City	ELKRIDGE
State	MD
Transmitter Radius	1 NM
Transmitter Latitude	391153.00N
Transmitter Longitude	0764123.00W
Antenna Height	15 Feet
Receiver Latitude	391153.00N
Receiver Longitude	0764123.00W
Equipment Type	C,NOC TPS-703 / UPX-37 (IFF),P
Antenna Type	SLOTTDWVGD

Best regards,

FAA Spectrum Engineering Services

Card 3

\$\$ADD NG T221062
TYP01 N
DAT01 220509
CLA01 U
FRQ01 M1030.0000
EXD01 240430
STC01 XC
EMS01 8M00M1D
PWR01 K2.00000
XSC01 MD
XAL01 ELKRIDGE
XLA01 391153N
XLG01 0764123W
XAD01 21GSL0TTDWWGD 0005T
XAP01 V
XAZ01 R
RSC01 MD
RAL01 ELKRIDGE
RLA01 391153N
RLG01 0764123W
RAD01 21GSL0TTDWWGD 0005T
RAP01 V
RAZ01 R
BUR01 FCC
BIN01
REM01 *PRR,309
REM02 *RAD,0002,0001NM,B
REM03 *EQT,C,NOC TPS-703 / UPX-37 (IFF),P
REM04 *EQR,C,NOC TPS-703 / UPX-37 (IFF)
REM05 *NTS,M018,FAA ,220509,AJIMENE,NG T221062

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