

**Section 74.1204 - Statement of Compliance**  
**W262AG, Jacksonville, FL (Fac. I.D. 81215)**  
**Minor Change Application for Construction Permit**  
**March, 2024**

As demonstrated elsewhere in this Application, the Applicant proposes a minor change to the above-referenced, non-reserved band, FM translator authorization. As discussed below, the instant proposal complies with the protection requirements set forth in Section 74.1204 of the FCC Rules.

Section 74.1204(a) Contour Overlap Protection Criteria

Attached are two maps which demonstrate that proposed technical facility complies with the contour overlap provisions of Section 74.1204(a) of the FCC Rules with respect to all pertinent co-channel (See Exhibit 1) and first-adjacent channel (See Exhibit 2) assignments, authorizations, and applications. The instant proposal is well clear of all other relevant co-channel and first-adjacent channel protection considerations not represented herein.

Section 74.1204(d) Second/Third-Adjacent Channel Protection

The required protection to second-adjacent channel stations WGNE-FM, Middleburg, FL (Channel 260C1) and WMUV, Brunswick, GA (Channel 264C0) are discussed below. The instant proposal is well clear of all other relevant second and third-adjacent channel protection considerations not represented herein.

The proposed transmitting antenna will be located within the protected contour of both stations listed above resulting in contour overlap as defined in Section 74.1204 of the FCC Rules. At the translator's proposed transmitter site, WGNE-FM is predicted to produce a F(50,50) signal strength of 165 dBu and WMUV is predicted to produce a F(50,50) signal strength of 69 dBu. Therefore, WMUV provides for a worst-case second-adjacent channel interference analysis and in the vicinity of the proposed site, the translator's worst-case interfering contour is the 109 dBu contour.

As demonstrated in the attached Table, according to free space calculations, the translator's predicted interfering contour will not reach within 116 feet of ground level. Any predicted interference will not reach any population or any major roadway. Therefore, the instant proposal will cause no interference to any population served by either WGNE-FM or WMUV. Accordingly, the proposed facility satisfies Section 74.1204(d) of the FCC Rules with respect to both stations listed above because it has been "demonstrated that no actual interference will occur due to lack of population or such other factors as may be applicable".



**W262AG**  
Jacksonville, FL  
Latitude: 30-19-23 N  
Longitude: 081-38-33 W  
ERP: 0.25 kW  
Channel: 262  
Frequency: 100.3 MHz  
AMSL Height: 230.0 m  
Horiz. Pattern: Omni

#### Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):  
40 dBu F(50,10) to Class A & FX & LPFM  
40 dBu F(50,10) to Class C, C0, C1, C2, C3  
37 dBu F(50,10) to Class B1 FM Station  
34 dBu F(50,10) to Class B FM Station

Relevant Protected Contours (SOLID):  
Class A, C, Cx, FX & LPFM = 60 dBu F(50,50)  
Class B1 FM Station = 57 dBu F(50,50)  
Class B FM Station = 54 dBu F(50,50)

## Section 74.1204 CoChannel Contour Overlap Study

Exhibit 1

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- W262AG (262)
- WWZR-LP/DWWZR-LP.A (262)
- WRUM (262)

Scale 1:1,500,000  
0 10 20 30 40 50 km

#### Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):  
54 dBu F(50,10) to Class A & FX & LPFM  
54 dBu F(50,10) to Class C, C0, C1, C2 & C3  
51 dBu F(50,10) to Class B1 FM Station  
48 dBu F(50,10) to Class B FM Station

Relevant Protected Contours (SOLID):  
Class A & FX & LPFM = 60 dBu F(50,50)  
Class C, C0, C1, C2 & C3 = 60 dBu F(50,50)  
Class B1 FM Station = 57 dBu F(50,50)  
Class B FM Station = 54 dBu F(50,50)

#### Section 74.1204 First-Adjacent Channel Contour Overlap Study

Exhibit 2

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■ W262AG.APP (262)  
■ WDPI-LP (263)

**W262AG.APP**  
Jacksonville, FL  
Latitude: 30-19-23 N  
Longitude: 081-38-33 W  
ERP: 0.25 kW  
Channel: 262  
Frequency: 100.3 MHz  
AMSL Height: 230.0 m  
Horiz. Pattern: Omni

**W262AG**  
**Jacksonville, FL (Facility ID 181215)**

**ERP      250.00      WATTS**

**Maximum ERP**      *Interfering contour value ----->*      **109**      dBu  
0.25      kW      *RCAGL (m)----->*      **229**      meters  
*Antenna Type ----->*      **29**

Antenna Type      29      =      **Kathrein FMC-01, 1 bay**

Angle Below Horizontal (degrees)	Vertical Pattern (REL. FIELD)	W262AG ERP (kW)	W262AG ERP (dBk)	W262AG Free-Space Distance to interfering contour (meters)	Slant Distance (meters) *	Height of interfering contour above ground (feet)**	Proposed Interference within 30 ' of ground level?	Horizontal Distance (meters) ***	Horizontal Distance (feet) ***
0	1.000	0.2500	-6.021	392.6	N/A	751.3			1288.1
5	0.997	0.2483	-6.051	391.3	2,523.1	639.4	No	389.8	1278.8
10	0.985	0.2426	-6.151	386.8	1,266.4	531.0	No	380.9	1249.7
15	0.966	0.2333	-6.321	379.3	849.6	429.2	No	366.4	1202.0
20	0.939	0.2203	-6.571	368.5	642.9	337.8	No	346.3	1136.2
25	0.905	0.2046	-6.891	355.2	520.3	258.8	No	321.9	1056.2
30	0.862	0.1858	-7.311	338.4	439.8	196.1	No	293.1	961.6
35	0.813	0.1652	-7.821	319.1	383.4	150.8	No	261.4	857.7
40	0.758	0.1435	-8.431	297.5	342.1	123.9	No	227.9	747.7
45	0.697	0.1213	-9.161	273.5	311.0	116.8	No	193.4	634.5
50	0.632	0.0998	-10.011	248.0	287.1	128.0	No	159.4	523.0
55	0.563	0.0792	-11.011	221.0	268.4	157.3	No	126.8	416.0
60	0.493	0.0607	-12.171	193.4	253.9	201.8	No	96.7	317.3
65	0.421	0.0444	-13.531	165.4	242.6	259.6	No	69.9	229.3
70	0.350	0.0307	-15.131	137.6	234.0	327.2	No	47.0	154.4
75	0.281	0.0198	-17.041	110.4	227.7	401.4	No	28.6	93.7
80	0.215	0.0116	-19.371	84.4	223.3	478.5	No	14.7	48.1
85	0.154	0.0060	-22.251	60.6	220.7	553.3	No	5.3	17.3
90	0.106	0.0028	-25.491	41.7	219.9	614.4	No	0.0	0.0

\* Slant distance from antenna center of radiation to location 30 feet (9.1 meters) above ground level at angle below horizontal.

\*\* A negative number indicates that the interfering contour is predicted to reach ground level. If a negative number is present, the interfering contour reaches ground level at the "Horizontal Distance" described below.

\*\*\* Horizontal distance from tower base to interfering contour at the indicated height above ground level. If a negative height above ground level is indicated, this horizontal distance is the distance from the tower base to the interfering contour. This horizontal distance is only relevant if the proposed interference is predicted to occur within 30 feet of ground level.