

W226BY 93.1 MHz (Ch.226) TOCCOA, GA
 GEORGIA-CAROLINA RADIOCASTING COMPANY, LLC
 Minor Modification of a Licensed Facility for FM Translator Application

Minor Change Showing. 60 dBu contour contained inside both the 2 mV and 25 mile radius contour of primary station WNEG (AM). 74.1204(a) contour protection of 3rd adjacent WFBC-FM. (GLOBE digital elevation model terrain data is used)



Figure 1

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Table 1

W226BY Minor Modification of a Licensed Facility for FM Translator Application July 2020

74.1204(a) Channel Study

| Chan | Class | Call Letters | Type | Status | City | State | Country | Owner | Bearing TO (deg) | Distance (km) | Req. Dist. (km) | Clearance (km) | Field Strength (dBu) |
|------------|----------|---------------|-----------|--------------|---------------|-----------|-----------|--------------------------------|------------------|---------------|-----------------|----------------|--------------------------|
| 223 | C | WESC-FM | FM | L-L2C | GREENVILLE | SC | US | CLEAR CHANNEL BROADCAST | 45.7 | 97.4 | 88.1 | 9.3 | 55.6 |
| 225 | D | W225AZ | FX | L-L2C | GREENVILLE | SC | US | TOWER ABOVE MEDIA LLC | 62.2 | 99.3 | 53.1 | 46.2 | 18.8 |
| 225 | A | WZLA-FM | FM | L-L2C | ABBEVILLE | SC | US | RONALD SHELLEY REID | 111.2 | 103.7 | 59.8 | 43.9 | 24.4 |
| 225 | C1 | WZGC | FM | L-MOD | ATLANTA | GA | US | ENTERCOM LICENSE, LLC | 228.1 | 119.5 | 105.2 | 14.3 | 40.3 |
| 226 | D | W226BY | FX | L-L2C | TOCCOA | GA | US | GEORGIA-CAROLINA RADIOC | 1.9 | 0.1 | 84.5 | -84.4 | 123.1 (applicant) |
| 226 | L1 | WUCG-LP | FL | L-L2C | BLAIRSVILLE | GA | US | THE MISSIONARY QUARTERM | 299.4 | 66.9 | 61.7 | 5.2 | 14.4 |
| 226 | A | WCHZ-FM | FM | L-L2C | WARRENTON | GA | US | BEASLEY MEDIA GROUP LICEI | 148.4 | 134.0 | 101.4 | 32.6 | 18.6 |
| 227 | L1 | WPLP-LP | FL | L-L2C | ATHENS | GA | US | THE ATHENIAN MULTICULTUR | 180.0 | 63.3 | 44.1 | 19.2 | 16.8 |
| 227 | C | WTPT | FM | L-MOD | FOREST CITY | NC | US | ENTERCOM LICENSE, LLC | 51.3 | 133.0 | 116.4 | 16.6 | 40.9 |
| 228 | D | W228CA | FX | L-L2C | SUWANEE | GA | US | COX RADIO, LLC | 224.8 | 63.0 | 27.0 | 36.0 | 41.1 |
| 229 | C | WFBC-FM | FM | L-AMD | GREENVILLE | SC | US | ENTERCOM LICENSE, LLC | 47.1 | 95.6 | 93.9 | 1.7 | 58.8 |

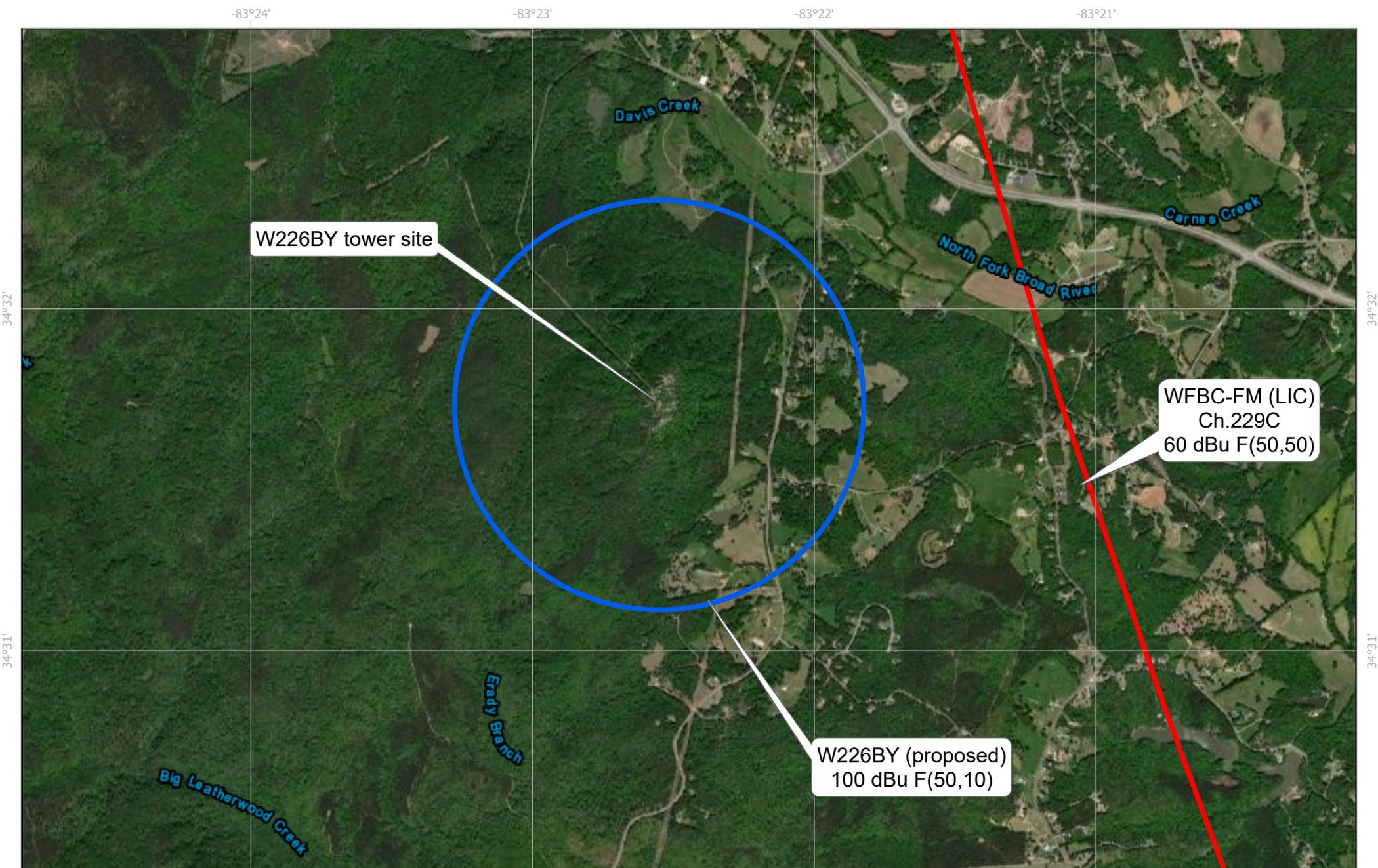
NOTE: GLOBE digital elevation model terrain data is used. There is no contour overlap and this proposal is compliant with Rule 74.1204(a).

Table 2

W226BY Minor Modification of a Licensed Facility for FM Translator Application July 2020

74.1204(g) Channel Study

| Chan | Class | Call Letters | Type | Status | City | State | Country | Owner | Bearing TO (deg) | FCC Dist.(km) | Rule 73.207 Req. (km) | Clearance (km) |
|------|-------|--------------|------|--------|-----------|-------|---------|----------------|------------------|---------------|-----------------------|----------------|
| 279 | C3 | WXKT | FM | L-L2C | MAYSVILLE | GA | US | COX RADIO, LLC | 237.2 | 31.0 | 12.0 | 19.0 |



W226BY tower site

WFBC-FM (LIC)
Ch.229C
60 dBu F(50,50)

W226BY (proposed)
100 dBu F(50,10)

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74.1204(a) contour protection of 3rd adjacent WFBC-FM.
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Figure 2

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Radiofrequency Electromagnetic Exposure Analysis

| Source | Height AGL(m) | Antenna type | Bays | Horizontal ERP (kw) | Vertical ERP (kw) | Power Density $\mu\text{W}/\text{cm}^2$ at 2 meters AGL | | | | |
|-------------------|------------------|--------------|------|------------------------|----------------------|---|--|---------|---|----------------------------------|
| | | | | | | within 10 meters distance | % controlled environment limit (1000 $\mu\text{W}/\text{cm}^2$) | Max. PD | % uncontrolled environment limit (200 $\mu\text{W}/\text{cm}^2$) | Distance to maximum PD (m) |
| W226BY (proposed) | 79.3 | SHI-6812B-2 | 2 | 0.25 | 0.25 | 0.04 | 0.004% | 0.37 | 0.2% | 51.2 |
| | | | | | | 0.04 | 0.004% | 0.37 | 0.2% | 51.2 |

The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments).

Calculations made using FCC FMModel