

Section 74.1204 - Statement of Compliance
W282CI-CP (formerly W227BT), Tampa, FL
FCC File No. BPFT-20160729ANF
FM Translator Facility ID. 145074
August, 2017

The Applicant proposes a minor modification to the above-referenced, non-reserved band, FM translator authorization. Specifically, the applicant proposes herein to utilize a different antenna make and model at a lower height on the currently authorized tower structure. No further changes are proposed herein.

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 cochannel (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

Attached is a map (See Exhibit 3) which demonstrate that proposed technical facility complies with the contour overlap provisions of Section 74.1204(a) of the FCC Rules with respect to second-adjacent channel station W280DW, Tampa, FL (Channel 280D). The required protection to second-adjacent channel station WRBQ-FM, Tampa, FL (Channel 284C1) is 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 on the same tower as WRBQ-FM which is authorized to operate with an ERP of 100 kW. The proposed translator facility will operate with an ERP of 250 watts which is -26 dB below the WRBQ-FM operating power. Because the stations will be collocated on a second-adjacent channel basis, with an operating difference much less than the required +40 dB U/D protection ratio, no interference is predicted to any population WRBQ-FM protected service area.

Accordingly, the proposed facility satisfies Section 74.1204(d) of the FCC Rules because it has been “demonstrated that no actual interference will occur due to lack of population or such other factors as may be applicable”.

Section 74.1204 CoChannel
Contour Overlap Study

Exhibit 1

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W282CI.MOD.CP.FAC.ID.145074

Tampa, FL
Latitude: 27-55-53.80 N
Longitude: 082-24-04.60 W
ERP: 0.25 kW
Channel: 282
Frequency: 104.3 MHz
AMSL Height: 110.0 m
Horiz. Pattern: Directional

WYKE.282B.FAC.ID.71585

Key to Stations on Map

- W282CI.MOD.CP.FAC.ID.145074
- W282CC.282D.FAC.ID.151732
- WKZM.282C3.FAC.ID.11037
- WYKE.282B.FAC.ID.71585

W282CC.282D.FAC.ID.151732

W282CI.MOD.CP.FAC.ID.145074

Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):
40 dBu F(50,10) to Class A & FX & LPFM
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 & 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)

Scale 1:1,148,333

0 10 20 30 km

Section 74.1204 First-Adjacent
Channel Contour Overlap Study

Exhibit 2

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Key to Stations on Map

- W282CI.CP.MOD.APP.FAC.ID.145074
- WZIGLP.281L1.FAC.ID.196030

W282CI.CP.MOD.APP.FAC.ID.145074

Tampa, FL
Latitude: 27-55-53.80 N
Longitude: 082-24-04.60 W
ERP: 0.25 kW
Channel: 282
Frequency: 104.3 MHz
AMSL Height: 110.0 m
Horiz. Pattern: Directional

Section 74.1204 Contours

Proposed FX Interfering Contour (DASHED):
54 dBu F(50,10) to Class A & FX & LPFM
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 B1 FM Station = 57 dBu F(50,50)
Class B FM Station = 54 dBu F(50,50)

Scale 1:450,938



Section 74.1204 2nd & 3rd Adjacent
Channel Contour Overlap Study

Exhibit 3

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Key to Stations on Map

- W282CI.MOD.CP.APP.FAC.ID.145074
- W280DW.280D.FAC.ID.139236

Temple Terrace

Dover

Mango

Seffner

Tampa

W282CI.MOD.CP.APP.FAC.ID.145074

Tampa, FL

Latitude: 27-55-53.80 N

Longitude: 082-24-04.60 W

ERP: 0.25 kW

Channel: 282

Frequency: 104.3 MHz

AMSL Height: 110.0 m

Horiz. Pattern: Directional

W282CI.MOD.CP.APP.FAC.ID.

Section 74.1204 Contours

Proposed FX Interfering Contour (SMALL):

100 dBu F(50,10) to Class A & FX & LPFM

97 dBu F(50,10) to Class B1 FM Station

94 dBu F(50,10) to Class B FM Station

Relevant Protected Contours (SOLID):

Class A & 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)

Bloomingtondale

Hillsborough

Riverview



Scale 1:169,440

