

WRBQ-FM (FM)
APPLICATION FOR AUXILIARY ANTENNA
Channel 284C1 – 104.7MHz – St. Tampa, FL

Technical Statement

This technical statement and attached exhibits have been prepared on behalf of Beasley Media Group Licenses, LLC, Licensee of WRBQ-FM, 284C1, Tampa, FL, facility ID 11943, in support of a construction permit to add a new auxiliary antenna for WRBQ-FM at the co-owned WPBB (FM) tower. The proposed facility will be located on a combined antenna below the WPBB antenna.

Proposed Facility Specifications

Tower ASR – 1302089 (Exhibit B)
Coordinates (NAD27) 27-51-23 N, 82-37-27 W
Tower Overall AGL – 152m
Tower Site Elevation AMSL- 1m
Antenna COR AGL- 122m
Antenna COR AMSL- 123m
Antenna HAAT – 122m
ERP- 42kW Non-Directional
Antenna- ERI SHPXA-8BC-HW (8-bay half-wave spaced)

Allocation

As shown in Exhibit A, the 1.0mV/m (60dBu) contour of the proposed auxiliary facility will not extend beyond the 1.0mV/m contour of the main licensed facility over any land area and is thus in compliance with FCC 73.1675(a).

Environmental Considerations

The proposed 8-bay, half-wave spaced antenna will operate at 122m AGL at 42kW. Based upon those specifications, and analyzed with the FCC's FM Model for Windows, for the proposed antenna operating at 42kW H+V, the maximum power density at 2mAGL will be 0.53 $\mu\text{W}/\text{cm}^2$ at 72m from the tower base or 0.27% of the maximum allowable 200 $\mu\text{W}/\text{cm}^2$ NIER.

There are multiple non--excluded RF source on the tower, however, since the maximum contribution of the WRBQ-FM Auxiliary antenna in the uncontrolled environment is predicted to be far less than the 10 $\mu\text{W}/\text{cm}^2$ (5.0%) limit as set forth by §1.1307(b)(3), the facility is in compliance with FCC guidelines.

Since this application meets the five percent exclusion test at all ground level areas, the impact of the proposed facility may be considered independently from other facilities operating at or nearby this site. It is believed the impact of the proposed operation should not be considered to be a factor at ground level as defined under §1.1307(b)(3), therefore the proposed WRBQ-FM auxiliary operation is categorically excluded from further environmental review under §1.1306 of the FCC rules and regulations.

Respectfully Submitted



Bert Goldman
Goldman Engineering Management
bert@bgoldman.net
214-395-5067

Exhibit A- FCC 73.1675(a) Compliance

WRBQ-FM Proposed Auxiliary 60dBu Comparison to Main

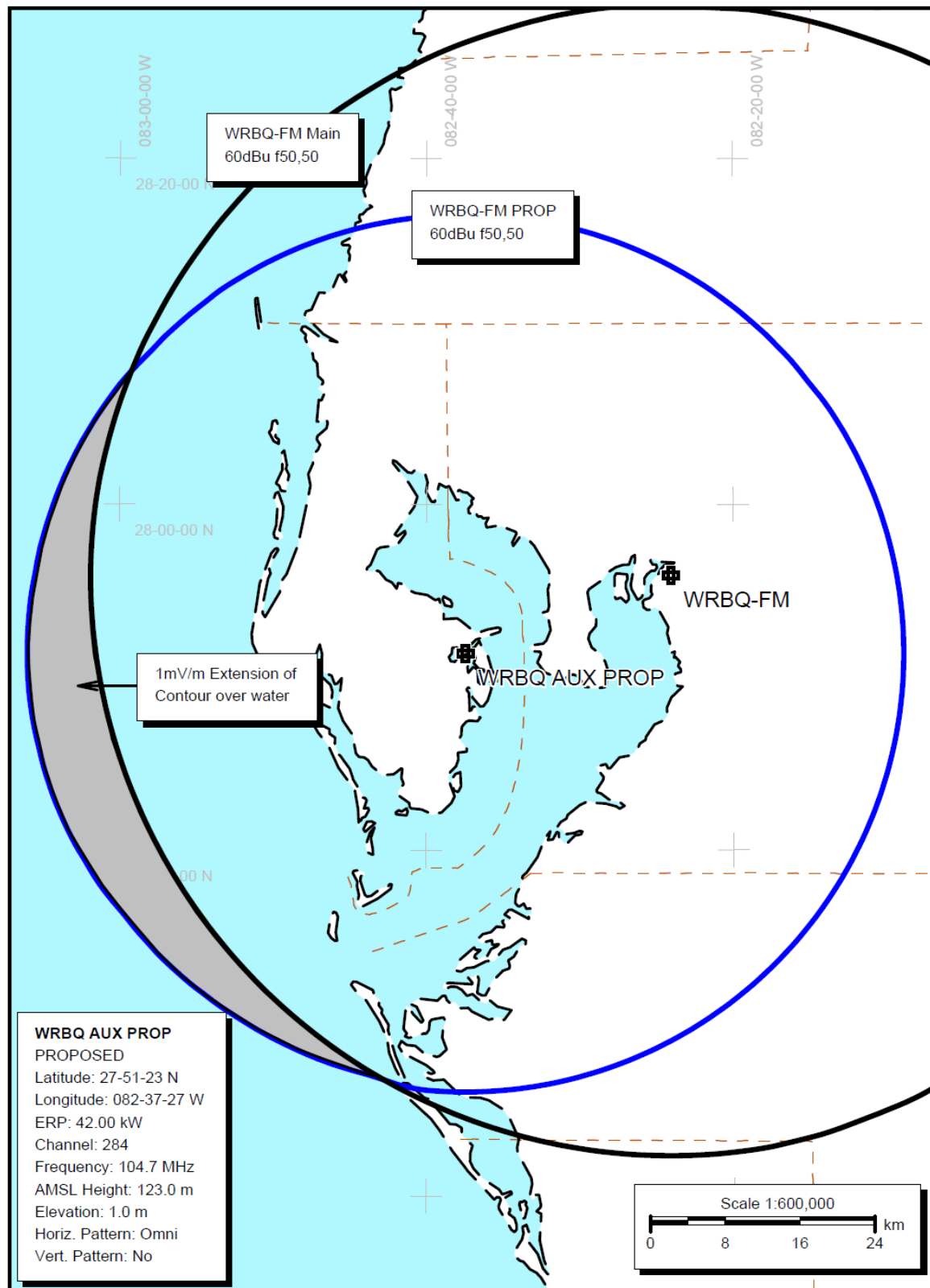


Exhibit B- ASR 1302089

Registration 1302089

 [Map Registration](#)

Registration Detail

Reg Number	1302089	Status	Granted
File Number	A1066826	Constructed	
EMI	No	Dismantled	
NEPA			

Antenna Structure

Structure Type GTOWER - Guyed Structure Used for Communication Purposes

Location (in NAD83 Coordinates)

Lat/Long	27-51-23.9 N 082-37-25.9 W	Address	9290 San Martin Blvd NE
City, State	St. Petersburg , FL		
Zip	33702	County	PINELLAS
Center of AM Array		Position of Tower in Array	

Heights (meters)

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
0.9	151.5
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
152.4	151.5

Painting and Lighting Specifications

FAA Chapters 3, 4, 5, 12

Paint and Light in Accordance with FAA Circular Number 70/7460-1L

FAA Notification

FAA Study	2015-ASO-13555-OE	FAA Issue Date	06/20/2016
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Owner & Contact Information

FRN	0012585485	Owner Entity Type	Corporation
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Owner

Beasley Media Group
Attention To: Michael Cooney
3033 Riviera Drive
Suite 200
Naples , FL 34103

P: (239)263-5000
F:
E: Projects@DynamicEnvironmental.com

Contact

Lamarche , Corey
3850 Lake Street
Suite C
Macon , GA 31204

P: (478)745-7740
F:
E: Projects@dynamicenvironmental.com

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Last Action Status

Status	Granted	Received	04/27/2017
Purpose	Amendment	Entered	04/27/2017
Mode	Interactive		