

MINOR CHANGE APPLICATION

W242CG, Coral Springs, FL- Relocating as Fill-In Translator for WHFS (AM)

July, 2016

**TECHNICAL STATEMENT**

This technical statement and attached exhibits have been prepared on behalf of Beasley Media Group, LLC (“BMG”), Proposed assignee of translator construction permit W242CG, Facility ID number 138681. The applicant proposes to modify W242CG at Coral Springs, FL to change tower location and use the translator as a fill-in translator for AM station WHFS (AM), Seffner, FL (1010kHz, Class B). Facility ID number 28629 in compliance with 47 CFR 74.1201(g). The translator community of license will change to Tampa, FL. The proposed operation is compliant with the FCC’s “AM Revitalization” Order released October 23, 2015 (AMR Order). As a class B station, WHFS is eligible to apply in the second modification window opening July 29, 2016. In accordance with the modifications permitted the AMR Order, translator station W242CG will change frequency from channel 242D (96.3MHz) to 225D (92.9MHz) and will be relocated 181 miles from the currently permitted site to the proposed tower site which is within the maximum allowable 250 miles.

**Facilities Proposed**

Location (NAD27)	28° 00’ 42” N Latitude, 82° 29’ 53” W Longitude
Channel	225D (92.9MHz)
Tower Overall AGL Height-	71m
Tower ASR	1030544 (Exhibit D)
Proposed Antenna	LPX-4E-HW
Antenna AGL Height-	70m
Site AMSL Height-	13m
COR AMSL Height	83m
ERP	250w NON DIRECTIONAL

## Interference Study

ComStudy 2.2 search of channel 225 (92.9 MHz Class D) at 28-00-42.0 N, 82-29-53.0 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
WFLZ-FM	TAMPA	FL 227 C	31.62	0.00	132.5	-24.62 dB EXHIBIT C
WYUU	SAFETY HARBOR	FL 223 C2	36.36	0.00	238.9	-8.58 dB EXHIBIT C
WFUS	GULFPORT	FL 278 C0	31.62	25.00	132.5	6.6 IF OK
WIKX	CHARLOTTE HARBOR	FL 225 C1	126.17	0.00	168.4	7.90 dB EXHIBIT B
WMFQ	OCALA	FL 225 C2	124.80	0.00	18.4	12.50 dB EXHIBIT B
WLSL-LP	SAINT LEO	FL 224 LP100	47.27	13.00	37.3	17.00 dB
W224CF	AUBURNDALE	FL 224 D	66.85	0.00	83.8	21.51 dB
WWKA	ORLANDO	FL 222 C	154.48	0.00	66.0	23.48 dB
WFLZ-FM	TAMPA	FL 227 C	29.81	0.00	129.1	28.06 dB
W225CI	MELBOURNE	FL 225 D	179.21	0.00	88.3	30.48 dB
WFPF-LP	FROSTPROOF	FL 224 LP100	99.58	13.00	106.6	31.39 dB
WZAY-LP	ROCKLEDGE	FL 225 LP100	175.90	24.00	78.3	31.66 dB

### COMPLIANCE, 74.1201(g), 74.1233(a)(1), 74.1204(a) and 74.1204(d)

Exhibit A demonstrates compliance with Rule 74.1201(g) governing the use of a translator as a fill-in for an AM station. The 60dBu contour of the proposed W242CG will be completely contained within the 2mV/m contour of WTMP (AM) and is within 25 miles of the WTMP transmitter.

Due to the special nature of the AMR Order, Rule 74.1233(a)(1) does not apply.

Exhibit B demonstrates compliance with Rule 74.1204(a). There are no impermissible contour overlaps to any other facilities.

As demonstrated in Exhibit C, per Rule 74.1204(d), there will be no location at ground level where the signal of the proposed W242CG will be in excess of 40dBu above the WFLZ or WYUU second adjacent signals.

## Environmental Exhibit

The proposed facility will use a 4-bay ERI LPX antenna located 70 meters above ground level.

The station will emit 250 watts ERP (both horizontal and vertical).

Using the FCC program "FM Model for Windows", it was calculated that using a worst case dipole antenna, the proposed translators will contribute approximately  $0.088 \mu\text{W}/\text{cm}^2$  or 0.044% of the total allowable  $200 \mu\text{W}/\text{cm}^2$ . Because the total contribution from this antenna is well below the 5% threshold, the proposed operation is categorically excluded from further environmental review under §1.1306 of the FCC rules and regulations.

The proposed translator will be mounted on an existing tower used for WTMP (AM). An isocoupler will be used to connect the FM antenna. During construction, WTMP will operate pursuant to parameters at variance and will verify no adverse effect on the WTMP antenna system prior to returning to direct measurements.

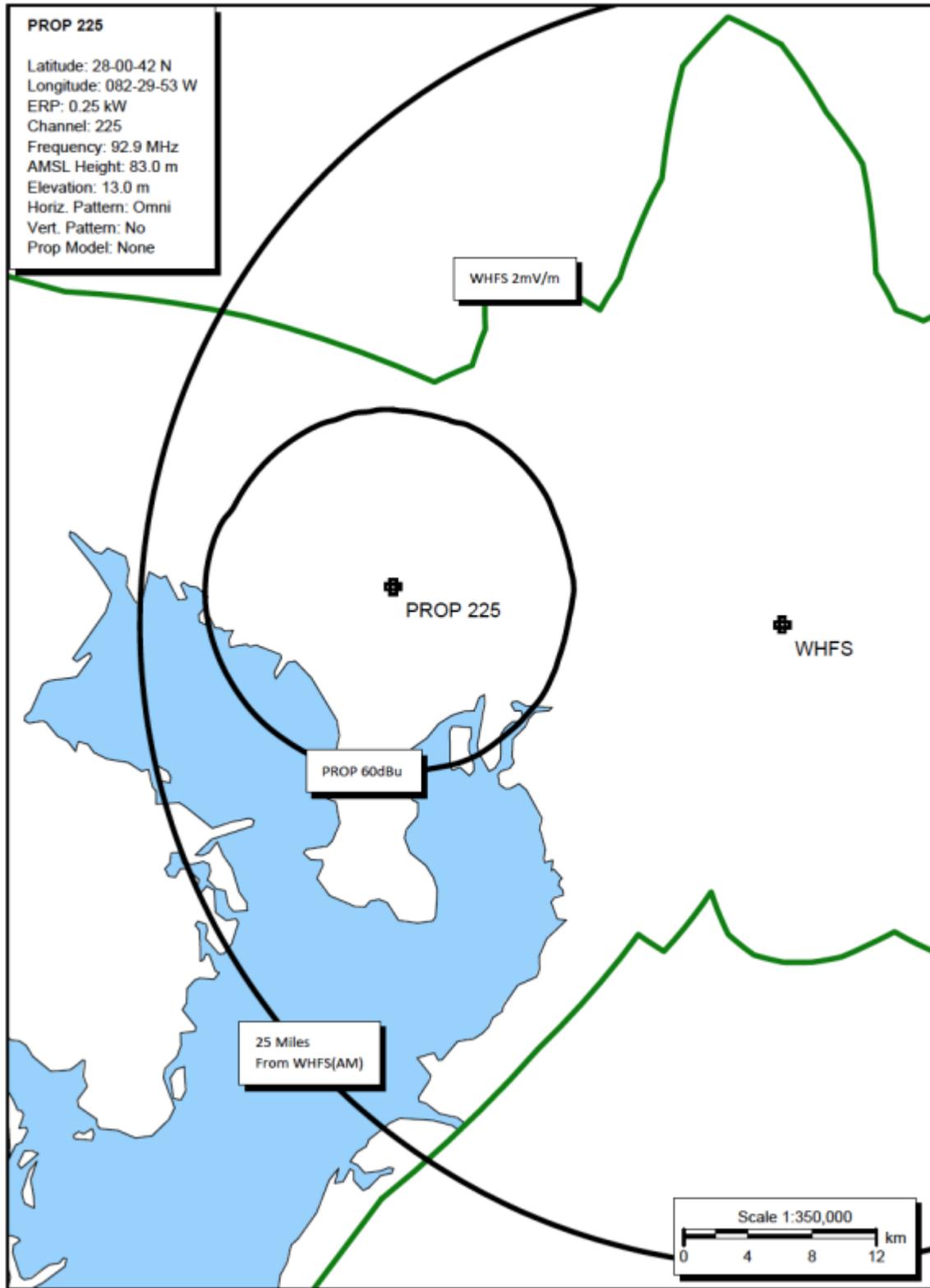
Respectfully Submitted



Bert Goldman  
Goldman Engineering Mgmt.  
1511 Radcliffe Way  
Auburn, CA 95603  
(214) 395-5067  
[bert@bgoldman.net](mailto:bert@bgoldman.net)

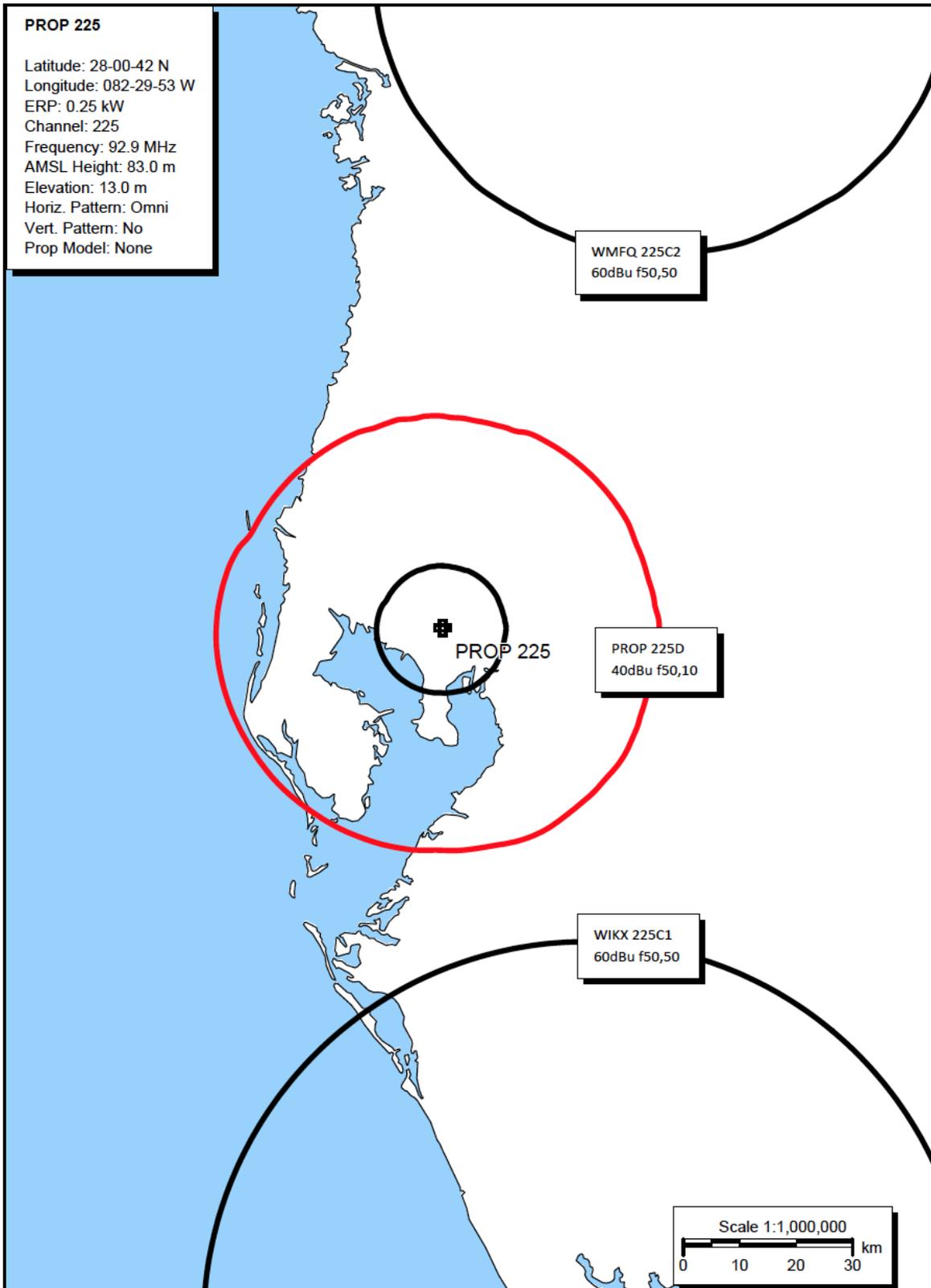
# EXHIBIT A- FCC 74.1201(g) Compliance

## Proposed 225D (92.9Mhz), 250 watts, 70m AGL 74.1201(g) Compliance



# EXHIBIT B 74.1204(a) Compliance

Proposed 225D (92.9Mhz), 250 watts, 70m AGL 74.1204(a) Compliance



## EXHIBIT C 74.1204(d) Compliance To WFLZ-FM

PROP Tampa, FL  
 74.1204(d) Showing  
 Translator or LPFM Maximum Licensed ERP = 0.25  
 Translator or LPFM Antenna Height AG = 70 Meters  
 PROP Antenna Model = LPX4H

Protected Station's Contour = 84.1563 dBu  
 Translator's or LPFM's full Interference contour 124.1563

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.25 kW  
 Distance between stations = 31.6 km  
 Protected Station= WFLZ-F, 100 kW, 491 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle (m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.2500	068.7314	068.7314	070.000
05.00	0.951	1.0	0.2261	065.3635	065.1148	064.303
10.00	0.814	1.0	0.1656	055.9473	055.0974	060.285
15.00	0.615	1.0	0.0946	042.2698	040.8295	059.060
20.00	0.391	1.0	0.0382	026.8740	025.2533	060.809
25.00	0.178	1.0	0.0079	012.2342	011.0879	064.830
30.00	0.004	1.0	0.0000	000.2749	000.2381	069.863
35.00	0.117	1.0	0.0034	008.0416	006.5873	065.388
40.00	0.182	1.0	0.0083	012.5091	009.5825	061.959
45.00	0.2	1.0	0.0100	013.7463	009.7201	060.280
50.00	0.184	1.0	0.0085	012.6466	008.1291	060.312
55.00	0.15	1.0	0.0056	010.3097	005.9134	061.555
60.00	0.11	1.0	0.0030	007.5605	003.7802	063.452
65.00	0.072	1.0	0.0013	004.9487	002.0914	065.515
70.00	0.042	1.0	0.0004	002.8867	000.9873	067.287
75.00	0.021	1.0	0.0001	001.4434	000.3736	068.606
80.00	0.008	1.0	0.0000	000.5499	000.0955	069.459
85.00	0.002	1.0	0.0000	000.1375	000.0120	069.863
90.00	0.001	1.0	0.0000	000.0687	000.0000	069.931

## EXHIBIT C 74.1204(d) Compliance To WYUU (FM)

74.1204(d) Showing

Translator or LPFM Maximum Licensed ERP = 0.25  
 Translator or LPFM Antenna Height AG = 70 Meters  
 PROP Antenna Model = LPX4H

Protected Station's Contour = 68.05732 dBu  
 Translator's or LPFM's full Interference contour 108.05732

Review Azimuth = 0 Degrees True  
 Relative Field on the horizon at Review Azimuth = 1.000  
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.25 kW  
 Distance between stations = 36.3 km  
 Protected Station= WYUU, 50 kW, 151 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle (m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.2500	438.6357	438.6357	070.000
05.00	0.951	1.0	0.2261	417.1426	415.5552	033.644
10.00	0.814	1.0	0.1656	357.0495	351.6251	007.999
15.00	0.615	1.0	0.0946	269.7610	260.5691	002.181
20.00	0.391	1.0	0.0382	171.5066	161.1635	011.341
25.00	0.178	1.0	0.0079	078.0772	070.7619	037.003
30.00	0.004	1.0	0.0000	001.7545	001.5195	069.123
35.00	0.117	1.0	0.0034	051.3204	042.0392	040.564
40.00	0.182	1.0	0.0083	079.8317	061.1546	018.685
45.00	0.2	1.0	0.0100	087.7271	062.0325	007.968
50.00	0.184	1.0	0.0085	080.7090	051.8787	008.173
55.00	0.15	1.0	0.0056	065.7954	037.7387	016.104
60.00	0.11	1.0	0.0030	048.2499	024.1250	028.214
65.00	0.072	1.0	0.0013	031.5818	013.3470	041.377
70.00	0.042	1.0	0.0004	018.4227	006.3009	052.688
75.00	0.021	1.0	0.0001	009.2114	002.3841	061.103
80.00	0.008	1.0	0.0000	003.5091	000.6093	066.544
85.00	0.002	1.0	0.0000	000.8773	000.0765	069.126
90.00	0.001	1.0	0.0000	000.4386	000.0000	069.561

## EXHIBIT D- ASR Registration

### Registration 1030544

[Map Registration](#)

#### Registration Detail

Reg Number	1030544	Status	Constructed
File Number	A0910868	Constructed	01/01/1996
EMI	No	Dismantled	
NEPA	No		

#### Antenna Structure

Structure Type 3TA3 - Antenna Tower Array - 1st N = # towers 2nd N =

#### Location (in NAD83 Coordinates)

Lat/Long	28-00-43.0 N 082-29-52.0 W	Address	TWR 3 3315 W. SLIGH AVENUE
City, State	TAMPA , FL		
Zip	33614	County	HILLSBOROUGH
Center of AM Array	28-00-42.0 N 082-29-53.0 W	Position of Tower in Array	

#### Heights (meters)

Elevation of Site Above Mean Sea Level	13.1	Overall Height Above Ground (AGL)	71.0
Overall Height Above Mean Sea Level	84.1	Overall Height Above Ground w/o Appurtenances	71.0

#### Painting and Lighting Specifications

None

#### FAA Notification

FAA Study  
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FAA Issue Date

#### Owner & Contact Information

FRN	0018549360	Owner Entity Type	Corporation
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#### Owner

Tama Broadcasting, Inc.  
Attention To: Scott Savage  
1910 Pacific Ave.  
Suite 8020  
Dallas , TX 75201

P: (214)282-0844  
F:  
E: scott@savagemediagroup.net

#### Contact

Savage , Scott  
1910 Pacific Ave.  
Suite 8020  
Dallas , TX 75201

P: (214)282-0844  
F:  
E: scott@savagemediagroup.net

#### Last Action Status

Status	Constructed	Received	08/01/2014
Purpose	Admin Update	Entered	08/01/2014
Mode	Interactive		