

ENGINEERING EXHIBIT

Application for Modification of Construction Permit

prepared for

Florida Broadcasters Partnership

W257DQ Orlando, FL

Facility ID 156212

Ch. 258 99.5 MHz 0.25 kW

Florida Broadcasters Partnership (“FBP”) is the permittee of the Construction Permit (“CP” BMPFT-20160129ASP) for unbuilt FM translator station W257DQ, Channel 257, Fac ID 156212, Orlando, FL. W257DQ is a fill-in translator for station WRMQ(AM) (Class D, 1140 kHz, Fac ID 21759, Orlando FL). *FBP* herein proposes to relocate the authorized W257DQ transmitting location and change to adjacent Channel 258.

The proposed translator site is the WRMQ(AM) tower structure. The WRMQ tower structure is not presently registered with the FCC, as it does not exceed 61 meters overall height above ground level and there are no known landing areas within 8 km according to the FCC’s “TOWAIR” slope test program. The translator antenna will be side-mounted and no change to the structure’s overall height is proposed. FAA notification and commensurate FCC registration are not necessary.

Fill-In and Minor Change Compliance

W257DQ will continue to be a fill-in translator for station WRMQ(AM). The 60 dBμ contour of the proposed W257DQ is encompassed by the lesser of the WRMQ daytime 2 mV/m contour and a 25 mile radius from WRMQ’s transmitter site as depicted in Figure 1. As a fill-in translator, the proposed 0.25 kW ERP complies with §74.1235(a). Since W257DQ will be co-located with WRMQ, signal delivery of the audio programming will be a direct feed from the WRMQ studio program link.

Figure 1 also depicts the 60 dBμ contour of the authorized W257DQ facility. The use of an adjacent channel and substantial 60 dBμ contour area overlap demonstrate that the proposal is considered a minor change under §74.1233 with respect to the existing CP. The existing CP was granted pursuant to the procedures described in FCC 15-142 (FM translator filing window for AM licensees)¹ as a “250-mile window application²”. As modified herein, the proposed site is located 60.4 miles (97.2 km) from the underlying, original W257DQ site and therefore would also comply with the filing window’s maximum relocation distance of 250 miles.

§74.1204 Interference Protection

Table 1 supplies a summary of the proposal’s compliance with the interference protection requirements of §74.1204(a) and (g). The proposed facility complies with the prohibited contour overlap requirements of 74.1204(a) regarding all other FM full power, low power, and translator stations except for one full power station, WMMO(FM) (Ch. 255C2, Orlando, FL). The proposal complies with §74.1204(d) with respect to WMMO.

The proposed W257DQ interfering contour is close to the protected contours of WXDN-LP (CP, Ch. 259L1, Orlando, FL), WVGT-LP (Lic, Ch. 258L1, Mount Dora, FL), WDDT-LP/WIDT-LP (Lic, both Ch. 259L1, Winter Garden, FL, identical time-shared facilities), and WDDT-LP (App, Ch. 259L1, Lake Mary, FL). Figures 2, 3, 4, and 5 provide maps demonstrating that no prohibited contour overlap would occur, based on USGS 3 arc second digitized terrain data. Tables 2, 3, and 4 provide companion “FM Over” computations for the closest relevant protected and interfering contours at one-degree increments. These exhibits demonstrate that no prohibited contour overlap will occur with respect to WXDN-LP, WVGT-LP, WDDT-LP, and WIDT-LP.

¹*Revitalization of the AM Radio Service*, First Report and Order, Further Notice of Proposed Rule Making, and Notice of Inquiry, FCC 15-142, released October 23, 2015.

²See Public Notices: *Media Bureau Initiates AM Revitalization Outreach Efforts; Modification Window Procedures and Requirements Announced*, DA 15-1215, released October 26, 2015; and *Media Bureau Announces Filing Dates And Procedures For AM Station Filing Window for FM Translator Modifications and Availability of FM Translator Technical Tools*, DA 15-1491, released December 23, 2015.

Regarding WMMO, as described in FCC 02-244³ the “ratio” undesired-to-desired signal method of interference determination may be used by an FM translator applicant to demonstrate compliance with §74.1204(d). WMMO is on a third adjacent channel and is located 4.2 km distant from the proposed site. The WMMO signal level at the proposed translator site is 105 dBμ based on standard FCC F(50,50) propagation curves. The corresponding undesired interfering signal level is 145 dBμ.

At the proposed ERP of 250 Watts, the translator’s worst-case (free space) 145 dBμ interfering signal extends only 6.2 meters. Since the proposed antenna’s height is 59 meters above ground level, the interfering signal will not reach ground level or any populated areas. An aerial view of the proposed translator site and vicinity is provided in Figure 6. The surrounding terrain is flat and there are no nearby tall buildings. Thus the proposal complies with §74.1204(d) with respect to WMMO.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the Commission’s OET Bulletin Number 65. Based on OET-65 equation (10), and assuming the worst-case of 100 percent relative field at downward elevations, the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is $5.1 \mu\text{W}/\text{cm}^2$, which is 2.6 percent of the general population/uncontrolled maximum permitted exposure limit. This is below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal’s contribution is less than five percent. When the antenna’s elevation pattern is considered, the calculated RF exposure level will be even lower.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC’s guidelines. RF exposure warning signs shall be posted and the base of the WRMQ(AM) tower shall be fenced at the appropriate minimum distance for AM station radiators. With respect to

³*Living Way Ministries, Inc.* Memorandum Opinion and Order, Released September 9, 2002, FCC 02-244, 17 FCC Rcd 17054-60.

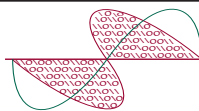
worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines. This exhibit is limited to the evaluation of exposure to RF electromagnetic field.

List of Attachments

| | |
|-------------------|---|
| Figure 1 | Coverage Contours – Primary and Translator Stations |
| Figure 2, 3, 4, 5 | §74.1204 Compliance Maps |
| Figure 6 | Interference Protection to WMMO(FM) - Aerial View |
| Table 1 | Channel Allocation Summary |
| Table 2, 3, 4 | Contour Protection “FMOver” Reports |
| Form 349 | Saved Version of Engineering Sections from FCC Form at Time of Upload |

Chesapeake RF Consultants, LLC

| | | |
|-----------------------|--------------------|--------------|
| Joseph M. Davis, P.E. | June 8, 2016 | |
| 207 Old Dominion Road | Yorktown, VA 23692 | 703-650-9600 |

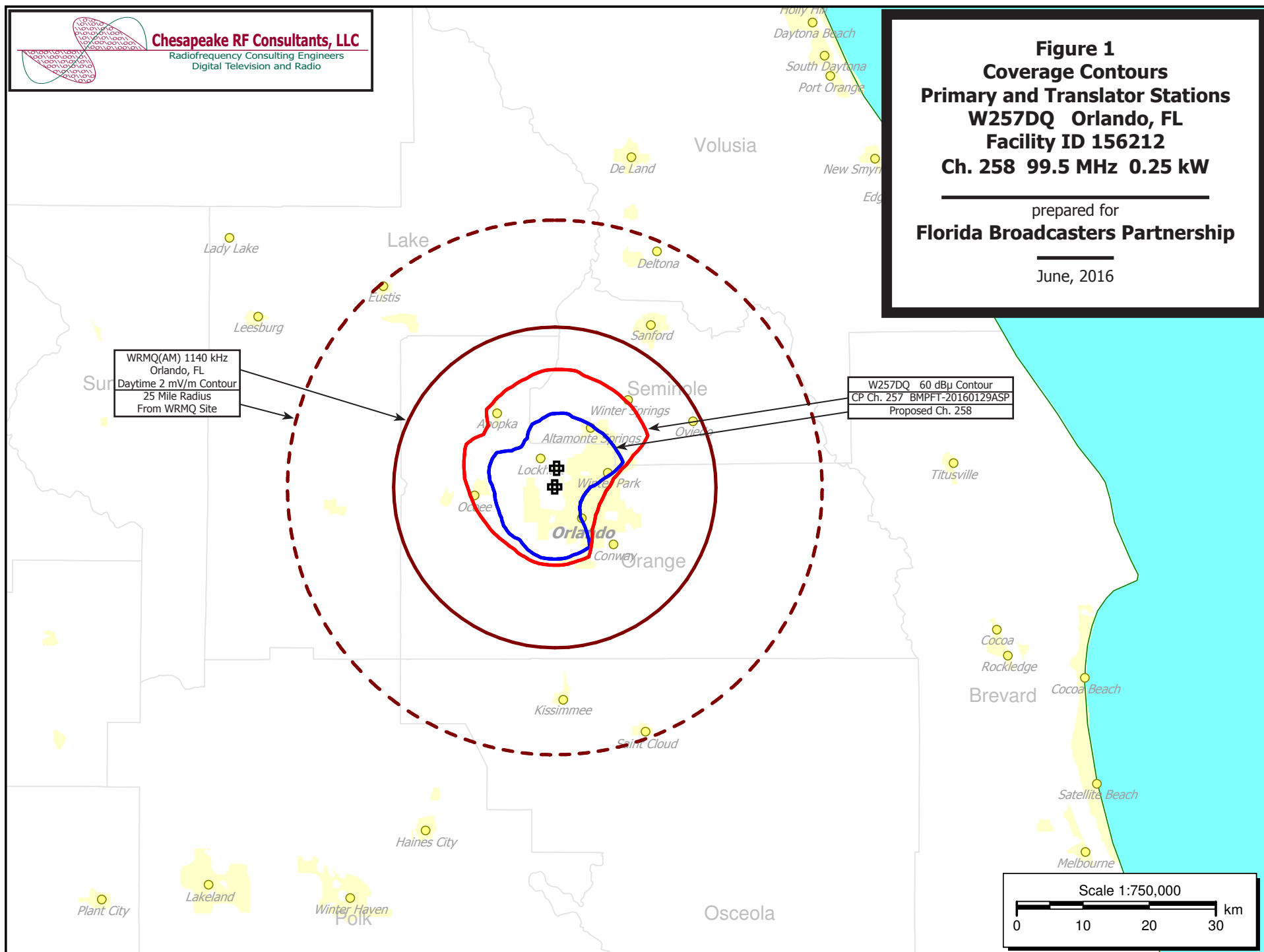


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Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 1
Coverage Contours
Primary and Translator Stations
W257DQ Orlando, FL
Facility ID 156212
Ch. 258 99.5 MHz 0.25 kW

prepared for
Florida Broadcasters Partnership

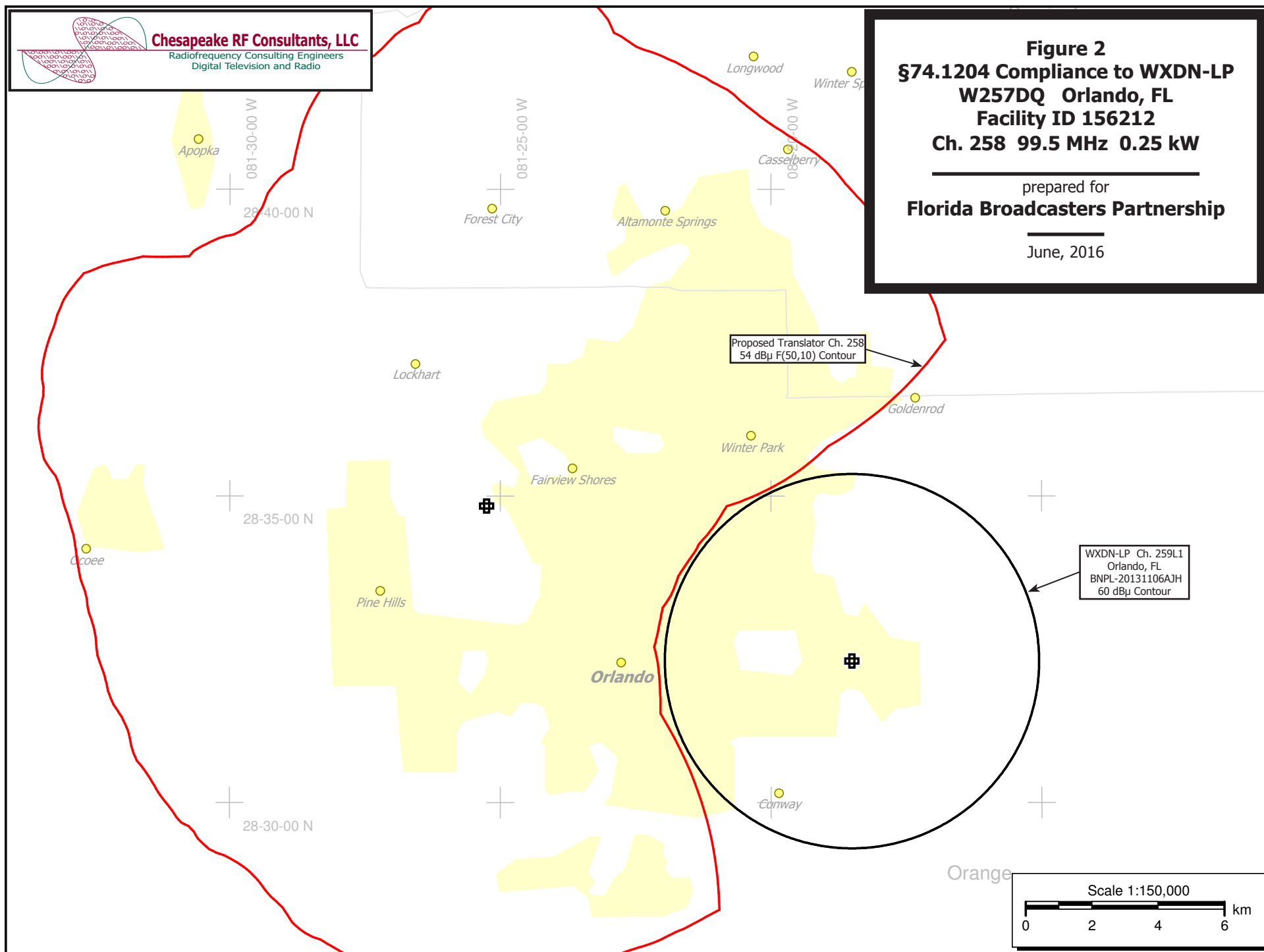
June, 2016

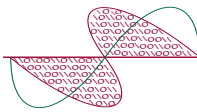




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Figure 3
§74.1204 Compliance to WVGT-LP
W257DQ Orlando, FL
Facility ID 156212
Ch. 258 99.5 MHz 0.25 kW

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June, 2016

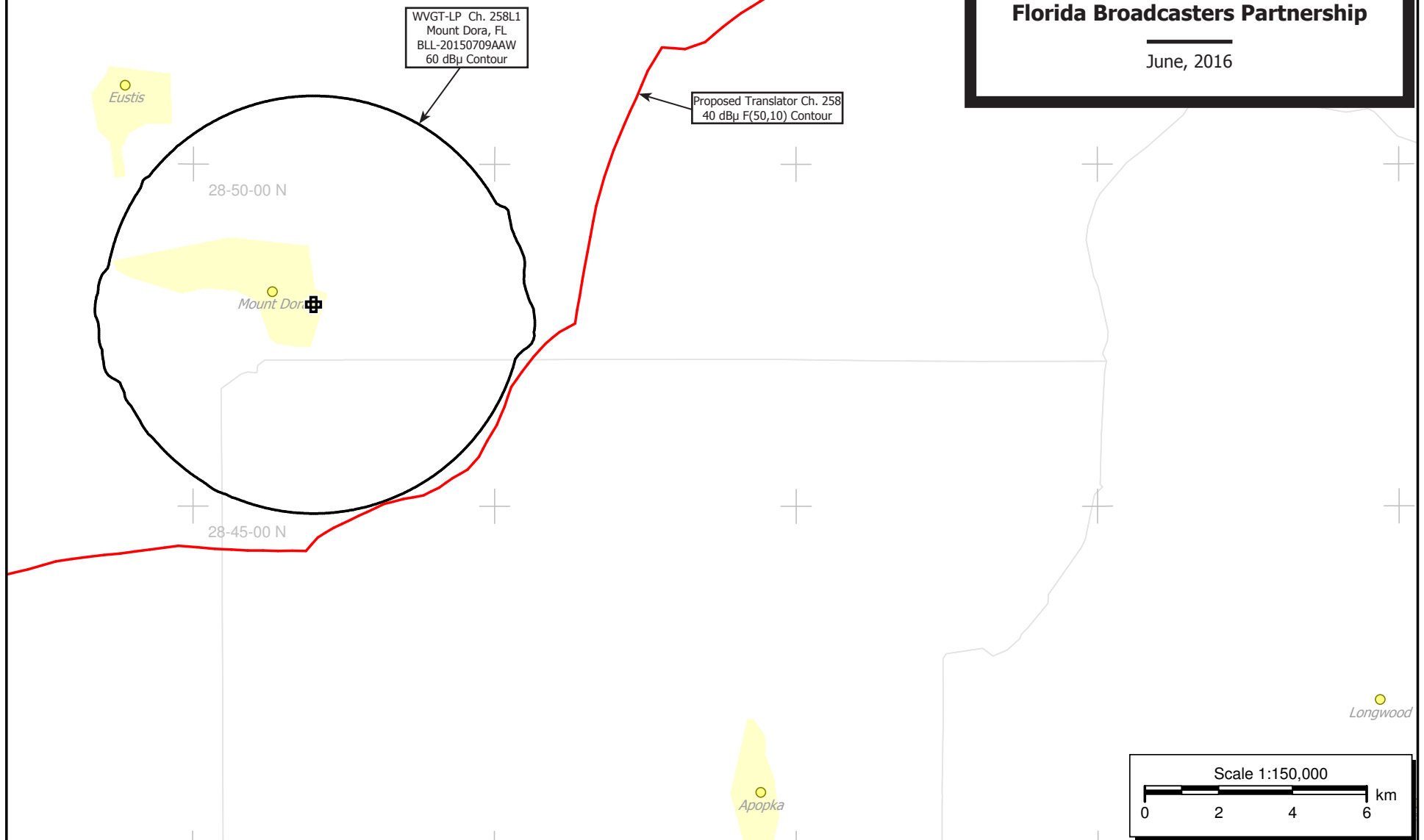


Figure 4
§74.1204 Compliance to WDDT-LP, WIDT-LP
W257DQ Orlando, FL
Facility ID 156212
Ch. 258 99.5 MHz 0.25 kW

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June, 2016



Proposed Translator Ch. 258
54 dBu F(50,10) Contour

WDDT-LP Ch. 259L1
Winter Garden, FL
BLL-20151110ALH
60 dBu Contour
Identical to Time-Share
WIDT-LP Ch. 259L1
Winter Garden, FL
BLL-20150915AGD

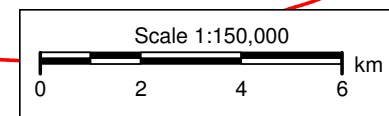
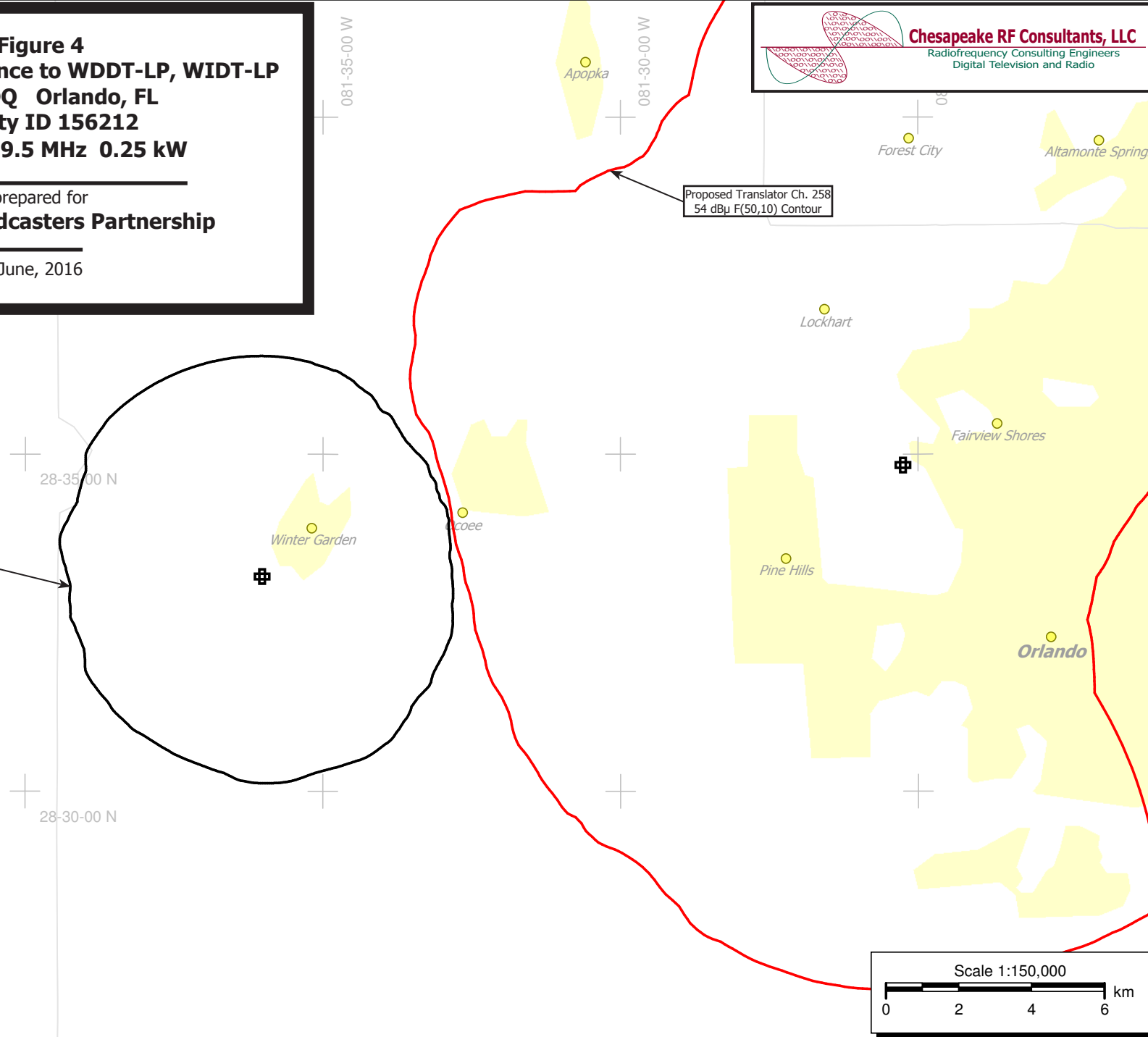
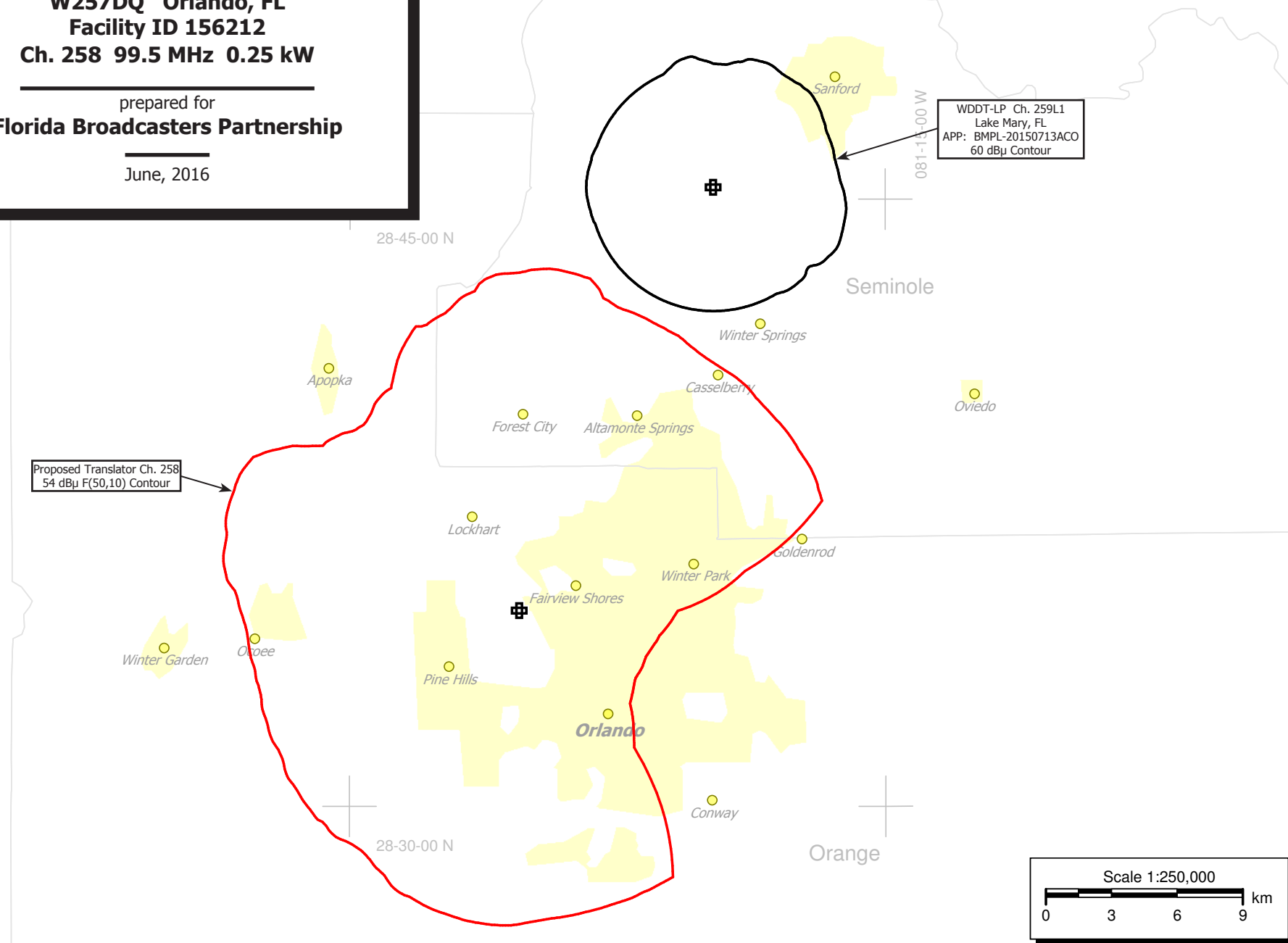
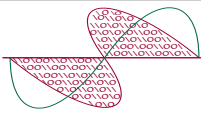


Figure 5
§74.1204 Compliance to WDDT-LP (App)
W257DQ Orlando, FL
Facility ID 156212
Ch. 258 99.5 MHz 0.25 kW

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June, 2016





Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

Figure 6
Interference Protection to WMMO(FM)
Aerial View
W257DQ Orlando, FL
Facility ID 156212
Ch. 258 99.5 MHz 0.25 kW

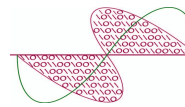
prepared for
Florida Broadcasters Partnership

June, 2016



Table 1

Channel Allocation Study Summary Florida Broadcasters Partnership W257DQ Orlando, FL



Chesapeake RF Consultants, LLC

Radiofrequency Consulting Engineers
Digital Television and Radio

| REFERENCE | | Proposed W257DQ | | | | | | | | DISPLAY DATES | |
|---------------------|---------|---|-----|-------|------------------|------------|---------|---------|----------------------------|-----------------|-------|
| 28 34 50.0 N. | | CH# 258D - 99.5 MHz, Pwr= 0.25 kw DA, HAAT= 58.7 M, COR= 89 M | | | | | | | | DATA 06-07-16 | |
| 81 25 15.0 W. | | Average Protected F(50-50)= 10.1 km | | | | | | | | SEARCH 06-07-16 | |
| | | Standard Directional | | | | | | | | | |
| CH | CALL | TYPE | ANT | AZI. | DIST | LAT. | Pwr(kw) | INT(km) | PRO(km) | *OUT* | |
| CITY | | STATE | | <-- | FILE # | LNG. | HAAT(M) | COR(M) | LICENSEE | (Overlap in km) | |
| 255C2 | WMMO | LIC | C | 260.2 | 4.15 | 28 34 27.0 | 44.000 | 5.9 | 52.1 | | |
| Orlando | | FL | | 80.2 | BLH19991008ABG | 81 27 46.0 | 159 | 188 | Cox Radio, Inc. | -49.1*< | |
| 259L1 | WDDT-LP | LIC | | 260.1 | 17.78 | 28 33 11.0 | 0.019 | | | 0.1 | |
| Winter Garden | | FL | | 80.1 | BLL20151110ALH | 81 36 01.0 | 67 | 100 | Education Through Media Fo | | |
| 259L1 | WIDT-LP | LIC | | 260.1 | 17.78 | 28 33 11.0 | 0.019 | | | 0.1 | |
| Winter Garden | | FL | | 80.1 | BLL20150915AGD | 81 36 01.0 | 67 | 100 | Llaab Inc. | | |
| 259L1 | WXDN-LP | CP | | 113.1 | 11.93 | 28 32 18.4 | 0.100 | | | 0.2 | |
| Orlando | | FL | | 293.1 | BNPL20131106AJH | 81 18 30.3 | 25 | 46 | Awakening/art & Culture | | |
| 258L1 | WVGT-LP | LIC | | 319.6 | 31.93 | 28 47 56.7 | 0.100 | | | 0.4 | |
| Mount Dora | | FL | | 139.5 | BLL20150709AAW | 81 38 00.1 | 25 | 53 | Seminole County Community | | |
| 259L1 | WDDT-LP | APP | | 24.5 | 21.29 | 28 45 17.3 | 0.100 | | | 1.2 | |
| Lake Mary | | FL | | 204.5 | BMPL20150713ACO | 81 19 49.0 | 27 | 42 | Education Through Media Fo | | |
| 259L1 | WBVL-LP | LIC | | 179.4 | 27.91 | 28 19 46.0 | 0.089 | | | 8.2 | |
| Kissimmee | | FL | | 359.4 | BLL20141009ADQ | 81 25 05.0 | 32 | 54 | The Broadcasting Group, In | | |
| 204C3 | WMYZ | CP | DCX | 284.0 | 31.66 | 28 38 56.0 | 7.200 | 12.8 | 58.8 | 12.0R | 19.7M |
| Clermont | | FL | | 103.8 | BPED20131122AWW | 81 44 09.0 | 113 | 141 | Central Florida Educationa | | |
| 257C2 | WLRQ-FM | LIC | CN | 115.3 | 78.00 | 28 16 42.0 | 50.000 | 77.6 | 51.7 | 20.1 | |
| Cocoa | | FL | | 295.7 | BLH19910122KC | 80 42 03.0 | 150 | 151 | Capstar Tx, Llc | | |
| 204A | WMYZ | LIC | CX | 284.0 | 31.66 | 28 38 56.0 | 1.200 | 12.8 | 58.8 | 10.0R | 21.7M |
| Clermont | | FL | | 103.8 | BLED20100408ABN | 81 44 09.0 | 107 | 137 | Central Florida Educationa | | |
| 258A | WLOV-FM | CP | ZCX | 24.8 | 80.40 | 29 14 11.0 | 5.700 | 74.0 | 23.4 | 21.8 | |
| Daytona Beach Shore | | FL | | 205.0 | BPH20150923AJT | 81 04 22.0 | 102 | 107 | Susan Hall | | |
| 258A | WLOV-FM | LIC | NCX | 24.8 | 80.40 | 29 14 11.0 | 2.200 | 70.8 | 22.3 | 23.0 | |
| Daytona Beach Shore | | FL | | 205.0 | BLH20120409ABX | 81 04 22.0 | 104 | 107 | Susan Hall | | |
| 258C1 | WQYK-FM | LIC | C | 233.3 | 120.10 | 27 55 53.8 | 100.000 | 157.7 | 60.6 | 28.6 | |
| St. Petersburg | | FL | | 52.8 | BLH20100122AAS | 82 24 04.6 | 174 | 181 | Wdas License Limited Partn | | |
| 257D | W257BF | LIC | CN | 301.4 | 49.81 | 28 48 47.0 | 0.055 | 10.1 | 7.0 | 29.0 | |
| Leesburg | | FL | | 121.2 | BLFT19980828TC | 81 51 27.0 | 63 | 86 | Bible Broadcasting Network | | |
| 205C2 | WKTO | LIC | DCX | 28.2 | 56.11 | 29 01 30.0 | 25.000 | 12.8 | 58.8 | 15.0R | 41.1M |
| Edgewater | | FL | | 208.4 | BLED20110603AAS | 81 08 52.0 | 120 | 131 | Mims Community Radio, Inc. | | |
| 205C2 | WKTO | APP | DVN | 28.2 | 56.11 | 29 01 30.0 | 25.000 | 12.8 | 58.8 | 15.0R | 41.1M |
| Edgewater | | FL | | 208.4 | BPED20151224AAO | 81 08 52.0 | 120 | 131 | Mims Community Radio, Inc. | | |
| 259A | WGMA | LIC | NC | 318.2 | 90.00 | 29 10 59.1 | 2.000 | 43.3 | 28.7 | 50.1 | |
| Silver Springs Shor | | FL | | 137.9 | BLH20140318ACC | 82 02 17.7 | 175 | 194 | Ricardo D. Arroyo | | |
| 260D | W260CL | CP | C | 110.6 | 70.48 | 28 21 22.0 | 0.250 | 1.1 | 9.9 | 60.3 | |
| Cocoa | | FL | | 290.9 | BMPFT20160129APY | 80 44 47.0 | | 62 | Black Media works, Inc. | | |
| 260C3 | WXJB | CP | ZCX | 274.1 | 99.43 | 28 38 28.0 | 9.200 | 3.7 | 37.5 | 60.8 | |
| Homosassa | | FL | | 93.6 | BPH20130711AAH | 82 26 14.0 | 163 | 181 | George S. Flinn, Jr. | | |
| 260A | WXJB | LIC | CX | 274.1 | 99.43 | 28 38 28.0 | 2.300 | 2.4 | 27.2 | 71.1 | |
| Homosassa | | FL | | 93.6 | BLH20100629AMS | 82 26 14.0 | 163 | 181 | George S. Flinn, Jr. | | |

Terrain database is USGS 03 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM
Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd
adjacent.

Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
Incoming contour overlap is ignored.

"*"affixed to 'IN' or 'OUT' values = site inside restricted contour.

< = Station meets FCC minimum distance spacing for its class.

< = Contour Overlap

Table 2

Contour Protection "FM Over" Report
RE: WXDN-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
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06-08-2016 Terrain Data: USGS 03 SEC FMOver Analysis

WXDN-LP BNPL20131106AJH

W257DQ prop 258

Channel = 259L1
Max ERP = 0.1 kW
RCAMSL = 46 m
N. Lat. 28 32 18.4
W. Lng. 81 18 30.3
Protected
60 dBu

Channel = 258D
Max ERP = 0.25 kW
RCAMSL = 89 m
N. Lat. 28 34 50.0
W. Lng. 81 25 15.0
Interfering
54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 233.0 | 000.1000 | 0016.0 | 005.6 | 141.2 | 000.0439 | 0058.5 | 010.4 | 51.93 | |
| 234.0 | 000.1000 | 0016.1 | 005.6 | 141.2 | 000.0436 | 0058.5 | 010.3 | 52.07 | |
| 235.0 | 000.1000 | 0016.2 | 005.6 | 141.2 | 000.0432 | 0058.5 | 010.2 | 52.19 | |
| 236.0 | 000.1000 | 0016.2 | 005.6 | 141.1 | 000.0426 | 0058.5 | 010.1 | 52.30 | |
| 237.0 | 000.1000 | 0016.3 | 005.6 | 141.1 | 000.0419 | 0058.5 | 010.0 | 52.40 | |
| 238.0 | 000.1000 | 0016.3 | 005.6 | 141.0 | 000.0410 | 0058.5 | 009.9 | 52.48 | |
| 239.0 | 000.1000 | 0016.2 | 005.6 | 141.0 | 000.0400 | 0058.4 | 009.8 | 52.54 | |
| 240.0 | 000.1000 | 0016.1 | 005.6 | 140.9 | 000.0389 | 0058.4 | 009.7 | 52.59 | |
| 241.0 | 000.1000 | 0016.1 | 005.6 | 140.8 | 000.0376 | 0058.4 | 009.6 | 52.61 | |
| 242.0 | 000.1000 | 0016.1 | 005.6 | 140.7 | 000.0362 | 0058.4 | 009.5 | 52.62 | |
| 243.0 | 000.1000 | 0015.9 | 005.6 | 140.5 | 000.0347 | 0058.4 | 009.4 | 52.60 | |
| 244.0 | 000.1000 | 0015.9 | 005.6 | 140.4 | 000.0330 | 0058.3 | 009.3 | 52.56 | |
| 245.0 | 000.1000 | 0015.8 | 005.6 | 140.3 | 000.0313 | 0058.3 | 009.2 | 52.49 | |
| 246.0 | 000.1000 | 0015.9 | 005.6 | 140.1 | 000.0294 | 0058.3 | 009.1 | 52.39 | |
| 247.0 | 000.1000 | 0015.9 | 005.6 | 139.9 | 000.0282 | 0058.3 | 009.0 | 52.38 | |
| 248.0 | 000.1000 | 0016.0 | 005.6 | 139.7 | 000.0279 | 0058.2 | 008.9 | 52.49 | |
| 249.0 | 000.1000 | 0016.1 | 005.6 | 139.5 | 000.0275 | 0058.2 | 008.8 | 52.60 | |
| 250.0 | 000.1000 | 0016.0 | 005.6 | 139.3 | 000.0271 | 0058.1 | 008.7 | 52.70 | |
| 251.0 | 000.1000 | 0015.8 | 005.6 | 139.1 | 000.0267 | 0058.1 | 008.6 | 52.79 | |
| 252.0 | 000.1000 | 0015.7 | 005.6 | 138.8 | 000.0262 | 0058.0 | 008.5 | 52.88 | |
| 253.0 | 000.1000 | 0015.7 | 005.6 | 138.5 | 000.0258 | 0058.0 | 008.4 | 52.96 | |
| 254.0 | 000.1000 | 0015.7 | 005.6 | 138.3 | 000.0253 | 0057.9 | 008.4 | 53.03 | |
| 255.0 | 000.1000 | 0015.7 | 005.6 | 138.0 | 000.0247 | 0057.9 | 008.3 | 53.09 | |
| 256.0 | 000.1000 | 0015.5 | 005.6 | 137.6 | 000.0242 | 0057.8 | 008.2 | 53.15 | |
| 257.0 | 000.1000 | 0015.4 | 005.6 | 137.3 | 000.0236 | 0057.7 | 008.1 | 53.20 | |
| 258.0 | 000.1000 | 0015.2 | 005.6 | 137.0 | 000.0230 | 0057.7 | 008.0 | 53.24 | |
| 259.0 | 000.1000 | 0015.1 | 005.6 | 136.6 | 000.0224 | 0057.7 | 007.9 | 53.28 | |
| 260.0 | 000.1000 | 0014.9 | 005.6 | 136.2 | 000.0218 | 0057.6 | 007.8 | 53.32 | |
| 261.0 | 000.1000 | 0014.7 | 005.6 | 135.8 | 000.0211 | 0057.6 | 007.8 | 53.35 | |
| 262.0 | 000.1000 | 0014.2 | 005.6 | 135.4 | 000.0204 | 0057.6 | 007.7 | 53.37 | |
| 263.0 | 000.1000 | 0013.8 | 005.6 | 134.9 | 000.0197 | 0057.6 | 007.6 | 53.38 | |
| 264.0 | 000.1000 | 0013.4 | 005.6 | 134.4 | 000.0190 | 0057.6 | 007.5 | 53.39 | |
| 265.0 | 000.1000 | 0013.2 | 005.6 | 134.0 | 000.0183 | 0057.6 | 007.5 | 53.39 | |
| 266.0 | 000.1000 | 0013.0 | 005.6 | 133.4 | 000.0175 | 0057.6 | 007.4 | 53.38 | |
| 267.0 | 000.1000 | 0012.9 | 005.6 | 132.9 | 000.0168 | 0057.6 | 007.3 | 53.35 | |
| 268.0 | 000.1000 | 0012.7 | 005.6 | 132.4 | 000.0160 | 0057.6 | 007.2 | 53.31 | |
| 269.0 | 000.1000 | 0012.4 | 005.6 | 131.8 | 000.0152 | 0057.6 | 007.2 | 53.25 | |
| 270.0 | 000.1000 | 0012.2 | 005.6 | 131.2 | 000.0145 | 0057.5 | 007.1 | 53.17 | |
| 271.0 | 000.1000 | 0012.0 | 005.6 | 130.6 | 000.0137 | 0057.4 | 007.0 | 53.07 | |
| 272.0 | 000.1000 | 0011.9 | 005.6 | 130.0 | 000.0129 | 0057.3 | 007.0 | 52.95 | |

Table 2

Contour Protection "FM Over" Report
RE: WXDN-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 2 of 3)



| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 273.0 | 000.1000 | 0011.8 | 005.6 | 129.3 | 000.0127 | 0057.2 | 006.9 | 53.02 | |
| 274.0 | 000.1000 | 0011.5 | 005.6 | 128.7 | 000.0124 | 0057.2 | 006.9 | 53.06 | |
| 275.0 | 000.1000 | 0011.3 | 005.6 | 128.0 | 000.0121 | 0057.1 | 006.8 | 53.09 | |
| 276.0 | 000.1000 | 0011.2 | 005.6 | 127.3 | 000.0119 | 0057.1 | 006.8 | 53.13 | |
| 277.0 | 000.1000 | 0011.1 | 005.6 | 126.6 | 000.0116 | 0057.0 | 006.7 | 53.17 | |
| 278.0 | 000.1000 | 0011.4 | 005.6 | 125.8 | 000.0114 | 0057.0 | 006.7 | 53.20 | |
| 279.0 | 000.1000 | 0012.0 | 005.6 | 125.1 | 000.0112 | 0057.0 | 006.6 | 53.22 | |
| 280.0 | 000.1000 | 0012.5 | 005.6 | 124.3 | 000.0108 | 0057.0 | 006.6 | 53.21 | |
| 281.0 | 000.1000 | 0012.8 | 005.6 | 123.5 | 000.0106 | 0057.0 | 006.5 | 53.21 | |
| 282.0 | 000.1000 | 0013.1 | 005.6 | 122.7 | 000.0103 | 0057.1 | 006.5 | 53.21 | |
| 283.0 | 000.1000 | 0013.2 | 005.6 | 121.9 | 000.0101 | 0057.1 | 006.5 | 53.20 | |
| 284.0 | 000.1000 | 0013.4 | 005.6 | 121.1 | 000.0097 | 0057.3 | 006.4 | 53.16 | |
| 285.0 | 000.1000 | 0013.5 | 005.6 | 120.2 | 000.0095 | 0057.5 | 006.4 | 53.16 | |
| 286.0 | 000.1000 | 0013.5 | 005.6 | 119.4 | 000.0094 | 0057.6 | 006.4 | 53.22 | |
| 287.0 | 000.1000 | 0013.7 | 005.6 | 118.5 | 000.0094 | 0057.8 | 006.4 | 53.30 | |
| 288.0 | 000.1000 | 0014.1 | 005.6 | 117.6 | 000.0094 | 0057.9 | 006.3 | 53.38 | |
| 289.0 | 000.1000 | 0014.4 | 005.6 | 116.7 | 000.0095 | 0058.0 | 006.3 | 53.47 | |
| 290.0 | 000.1000 | 0014.6 | 005.6 | 115.9 | 000.0095 | 0058.1 | 006.3 | 53.51 | |
| 291.0 | 000.1000 | 0014.9 | 005.6 | 115.0 | 000.0095 | 0058.1 | 006.3 | 53.54 | |
| 292.0 | 000.1000 | 0015.1 | 005.6 | 114.1 | 000.0095 | 0058.0 | 006.3 | 53.54 | |
| 293.0 | 000.1000 | 0015.1 | 005.6 | 113.2 | 000.0095 | 0057.8 | 006.3 | 53.52 | |
| 294.0 | 000.1000 | 0015.1 | 005.6 | 112.3 | 000.0096 | 0057.7 | 006.3 | 53.53 | |
| 295.0 | 000.1000 | 0015.3 | 005.6 | 111.4 | 000.0096 | 0057.5 | 006.3 | 53.51 | |
| 296.0 | 000.1000 | 0015.6 | 005.6 | 110.5 | 000.0096 | 0057.4 | 006.3 | 53.47 | |
| 297.0 | 000.1000 | 0015.6 | 005.6 | 109.6 | 000.0097 | 0057.3 | 006.3 | 53.46 | |
| 298.0 | 000.1000 | 0015.5 | 005.6 | 108.7 | 000.0099 | 0057.3 | 006.3 | 53.49 | |
| 299.0 | 000.1000 | 0015.4 | 005.6 | 107.9 | 000.0100 | 0057.3 | 006.4 | 53.52 | |
| 300.0 | 000.1000 | 0015.3 | 005.6 | 107.0 | 000.0102 | 0057.4 | 006.4 | 53.56 | |
| 301.0 | 000.1000 | 0015.1 | 005.6 | 106.1 | 000.0104 | 0057.5 | 006.4 | 53.58 | |
| 302.0 | 000.1000 | 0014.7 | 005.6 | 105.3 | 000.0105 | 0057.7 | 006.4 | 53.60 | |
| 303.0 | 000.1000 | 0014.5 | 005.6 | 104.5 | 000.0107 | 0057.8 | 006.5 | 53.59 | |
| 304.0 | 000.1000 | 0014.4 | 005.6 | 103.6 | 000.0108 | 0058.1 | 006.5 | 53.59 | |
| 305.0 | 000.1000 | 0014.3 | 005.6 | 102.8 | 000.0110 | 0058.4 | 006.5 | 53.60 | |
| 306.0 | 000.1000 | 0014.4 | 005.6 | 102.0 | 000.0111 | 0058.6 | 006.6 | 53.59 | |
| 307.0 | 000.1000 | 0014.6 | 005.6 | 101.3 | 000.0113 | 0058.7 | 006.6 | 53.56 | |
| 308.0 | 000.1000 | 0014.8 | 005.6 | 100.5 | 000.0114 | 0058.8 | 006.6 | 53.51 | |
| 309.0 | 000.1000 | 0015.0 | 005.6 | 099.8 | 000.0117 | 0058.9 | 006.7 | 53.49 | |
| 310.0 | 000.1000 | 0015.3 | 005.6 | 099.0 | 000.0120 | 0059.1 | 006.7 | 53.50 | |
| 311.0 | 000.1000 | 0015.8 | 005.6 | 098.3 | 000.0124 | 0059.3 | 006.8 | 53.53 | |
| 312.0 | 000.1000 | 0016.4 | 005.6 | 097.6 | 000.0127 | 0059.4 | 006.8 | 53.53 | |
| 313.0 | 000.1000 | 0017.0 | 005.6 | 097.0 | 000.0130 | 0059.6 | 006.9 | 53.51 | |
| 314.0 | 000.1000 | 0017.6 | 005.6 | 096.3 | 000.0133 | 0059.7 | 007.0 | 53.48 | |
| 315.0 | 000.1000 | 0017.5 | 005.6 | 095.7 | 000.0136 | 0059.8 | 007.0 | 53.43 | |
| 316.0 | 000.1000 | 0017.4 | 005.6 | 095.1 | 000.0139 | 0059.9 | 007.1 | 53.39 | |
| 317.0 | 000.1000 | 0017.1 | 005.6 | 094.5 | 000.0142 | 0060.0 | 007.2 | 53.34 | |
| 318.0 | 000.1000 | 0016.8 | 005.6 | 093.9 | 000.0146 | 0060.2 | 007.2 | 53.30 | |
| 319.0 | 000.1000 | 0016.4 | 005.6 | 093.4 | 000.0148 | 0060.2 | 007.3 | 53.22 | |
| 320.0 | 000.1000 | 0016.3 | 005.6 | 092.8 | 000.0151 | 0060.3 | 007.4 | 53.14 | |
| 321.0 | 000.1000 | 0016.4 | 005.6 | 092.3 | 000.0153 | 0060.3 | 007.4 | 53.05 | |
| 322.0 | 000.1000 | 0016.7 | 005.6 | 091.8 | 000.0156 | 0060.4 | 007.5 | 52.97 | |
| 323.0 | 000.1000 | 0016.9 | 005.6 | 091.4 | 000.0159 | 0060.5 | 007.6 | 52.90 | |
| 324.0 | 000.1000 | 0017.0 | 005.6 | 090.9 | 000.0162 | 0060.6 | 007.7 | 52.81 | |
| 325.0 | 000.1000 | 0017.0 | 005.6 | 090.5 | 000.0164 | 0060.8 | 007.7 | 52.73 | |

Table 2

Contour Protection "FM Over" Report
RE: WXDN-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 3 of 3)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 326.0 | 000.1000 | 0017.3 | 005.6 | 090.1 | 000.0166 | 0061.0 | 007.8 | 52.64 | |
| 327.0 | 000.1000 | 0017.3 | 005.6 | 089.7 | 000.0178 | 0061.2 | 007.9 | 52.79 | |
| 328.0 | 000.1000 | 0017.4 | 005.6 | 089.3 | 000.0190 | 0061.4 | 008.0 | 52.95 | |
| 329.0 | 000.1000 | 0017.7 | 005.6 | 088.9 | 000.0203 | 0061.6 | 008.1 | 53.10 | |
| 330.0 | 000.1000 | 0018.0 | 005.6 | 088.6 | 000.0216 | 0061.7 | 008.2 | 53.22 | |
| 331.0 | 000.1000 | 0018.4 | 005.6 | 088.3 | 000.0228 | 0061.6 | 008.2 | 53.28 | |
| 332.0 | 000.1000 | 0018.6 | 005.6 | 088.0 | 000.0240 | 0061.5 | 008.3 | 53.34 | |
| 333.0 | 000.1000 | 0018.6 | 005.6 | 087.7 | 000.0252 | 0061.5 | 008.4 | 53.37 | |
| 334.0 | 000.1000 | 0018.2 | 005.6 | 087.4 | 000.0262 | 0061.5 | 008.5 | 53.39 | |
| 335.0 | 000.1000 | 0017.9 | 005.6 | 087.1 | 000.0273 | 0061.5 | 008.6 | 53.39 | |
| 336.0 | 000.1000 | 0017.7 | 005.6 | 086.9 | 000.0283 | 0061.5 | 008.7 | 53.37 | |
| 337.0 | 000.1000 | 0017.4 | 005.6 | 086.7 | 000.0293 | 0061.5 | 008.8 | 53.36 | |
| 338.0 | 000.1000 | 0017.2 | 005.6 | 086.5 | 000.0302 | 0061.5 | 008.9 | 53.32 | |
| 339.0 | 000.1000 | 0016.7 | 005.6 | 086.3 | 000.0311 | 0061.5 | 009.0 | 53.28 | |
| 340.0 | 000.1000 | 0016.2 | 005.6 | 086.1 | 000.0319 | 0061.5 | 009.1 | 53.22 | |
| 341.0 | 000.1000 | 0015.9 | 005.6 | 085.9 | 000.0327 | 0061.5 | 009.2 | 53.15 | |
| 342.0 | 000.1000 | 0015.7 | 005.6 | 085.8 | 000.0334 | 0061.5 | 009.3 | 53.07 | |
| 343.0 | 000.1000 | 0015.5 | 005.6 | 085.6 | 000.0340 | 0061.6 | 009.4 | 52.98 | |
| 344.0 | 000.1000 | 0015.6 | 005.6 | 085.5 | 000.0346 | 0061.6 | 009.5 | 52.89 | |
| 345.0 | 000.1000 | 0015.6 | 005.6 | 085.4 | 000.0352 | 0061.6 | 009.5 | 52.78 | |
| 346.0 | 000.1000 | 0016.3 | 005.6 | 085.3 | 000.0356 | 0061.6 | 009.6 | 52.67 | |
| 347.0 | 000.1000 | 0017.0 | 005.6 | 085.2 | 000.0360 | 0061.6 | 009.7 | 52.55 | |
| 348.0 | 000.1000 | 0017.5 | 005.6 | 085.1 | 000.0364 | 0061.6 | 009.8 | 52.43 | |
| 349.0 | 000.1000 | 0018.3 | 005.6 | 085.1 | 000.0367 | 0061.6 | 009.9 | 52.29 | |
| 350.0 | 000.1000 | 0018.9 | 005.6 | 085.0 | 000.0370 | 0061.6 | 010.0 | 52.15 | |
| 351.0 | 000.1000 | 0019.6 | 005.6 | 085.0 | 000.0372 | 0061.6 | 010.1 | 52.01 | |
| 352.0 | 000.1000 | 0020.3 | 005.6 | 084.9 | 000.0374 | 0061.6 | 010.2 | 51.86 | |

Table 3

Contour Protection "FM Over" Report
RE: WVGT-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 1 of 3)



06-08-2016 Terrain Data: USGS 03 SEC FMOver Analysis

WVGT-LP BLL20150709AAW

W257DQ prop 258

Channel = 258L1
Max ERP = 0.1 kW
RCAMSL = 53.1 m
N. Lat. 28 47 56.7
W. Lng. 81 38 00.1
Protected
60 dBu

Channel = 258D
Max ERP = 0.25 kW
RCAMSL = 89 m
N. Lat. 28 34 50.0
W. Lng. 81 25 15.0
Interfering
40 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 079.0 | 000.1000 | 0032.0 | 005.8 | 329.4 | 000.1152 | 0059.4 | 029.5 | 38.75 | |
| 080.0 | 000.1000 | 0031.6 | 005.8 | 329.3 | 000.1151 | 0059.5 | 029.4 | 38.80 | |
| 081.0 | 000.1000 | 0031.3 | 005.7 | 329.2 | 000.1150 | 0059.5 | 029.3 | 38.84 | |
| 082.0 | 000.1000 | 0031.2 | 005.7 | 329.1 | 000.1150 | 0059.5 | 029.3 | 38.89 | |
| 083.0 | 000.1000 | 0030.9 | 005.7 | 329.0 | 000.1149 | 0059.5 | 029.2 | 38.94 | |
| 084.0 | 000.1000 | 0030.8 | 005.7 | 328.9 | 000.1148 | 0059.5 | 029.1 | 38.98 | |
| 085.0 | 000.1000 | 0031.1 | 005.7 | 328.8 | 000.1147 | 0059.5 | 029.0 | 39.04 | |
| 086.0 | 000.1000 | 0031.2 | 005.7 | 328.8 | 000.1147 | 0059.5 | 028.9 | 39.09 | |
| 087.0 | 000.1000 | 0031.6 | 005.8 | 328.7 | 000.1146 | 0059.5 | 028.8 | 39.15 | |
| 088.0 | 000.1000 | 0031.9 | 005.8 | 328.7 | 000.1146 | 0059.5 | 028.7 | 39.21 | |
| 089.0 | 000.1000 | 0032.3 | 005.8 | 328.6 | 000.1145 | 0059.5 | 028.6 | 39.27 | |
| 090.0 | 000.1000 | 0033.0 | 005.9 | 328.6 | 000.1145 | 0059.5 | 028.5 | 39.33 | |
| 091.0 | 000.1000 | 0033.6 | 005.9 | 328.6 | 000.1145 | 0059.5 | 028.4 | 39.40 | |
| 092.0 | 000.1000 | 0033.8 | 005.9 | 328.5 | 000.1144 | 0059.5 | 028.3 | 39.45 | |
| 093.0 | 000.1000 | 0034.0 | 006.0 | 328.4 | 000.1143 | 0059.5 | 028.2 | 39.50 | |
| 094.0 | 000.1000 | 0034.3 | 006.0 | 328.3 | 000.1142 | 0059.5 | 028.1 | 39.56 | |
| 095.0 | 000.1000 | 0034.4 | 006.0 | 328.2 | 000.1141 | 0059.5 | 028.0 | 39.61 | |
| 096.0 | 000.1000 | 0034.4 | 006.0 | 328.1 | 000.1140 | 0059.5 | 027.9 | 39.65 | |
| 097.0 | 000.1000 | 0034.3 | 006.0 | 327.9 | 000.1139 | 0059.4 | 027.8 | 39.69 | |
| 098.0 | 000.1000 | 0034.6 | 006.0 | 327.8 | 000.1138 | 0059.4 | 027.7 | 39.74 | |
| 099.0 | 000.1000 | 0034.5 | 006.0 | 327.7 | 000.1137 | 0059.3 | 027.7 | 39.78 | |
| 100.0 | 000.1000 | 0034.1 | 006.0 | 327.5 | 000.1136 | 0059.3 | 027.6 | 39.80 | |
| 101.0 | 000.1000 | 0033.3 | 005.9 | 327.2 | 000.1134 | 0059.2 | 027.6 | 39.80 | |
| 102.0 | 000.1000 | 0032.0 | 005.8 | 326.9 | 000.1132 | 0059.0 | 027.6 | 39.77 | |
| 103.0 | 000.1000 | 0031.2 | 005.7 | 326.7 | 000.1130 | 0058.8 | 027.5 | 39.75 | |
| 104.0 | 000.1000 | 0030.4 | 005.7 | 326.5 | 000.1129 | 0058.7 | 027.5 | 39.74 | |
| 105.0 | 000.1000 | 0029.7 | 005.6 | 326.3 | 000.1127 | 0058.6 | 027.5 | 39.75 | |
| 106.0 | 000.1000 | 0028.8 | 005.6 | 326.1 | 000.1126 | 0058.6 | 027.4 | 39.78 | |
| 107.0 | 000.1000 | 0027.9 | 005.6 | 325.9 | 000.1125 | 0058.5 | 027.3 | 39.81 | |
| 108.0 | 000.1000 | 0026.9 | 005.6 | 325.8 | 000.1124 | 0058.4 | 027.3 | 39.83 | |
| 109.0 | 000.1000 | 0026.1 | 005.6 | 325.6 | 000.1123 | 0058.4 | 027.2 | 39.85 | |
| 110.0 | 000.1000 | 0025.2 | 005.6 | 325.4 | 000.1122 | 0058.3 | 027.2 | 39.87 | |
| 111.0 | 000.1000 | 0024.2 | 005.6 | 325.3 | 000.1121 | 0058.1 | 027.1 | 39.88 | |
| 112.0 | 000.1000 | 0023.3 | 005.6 | 325.1 | 000.1120 | 0058.0 | 027.1 | 39.90 | |
| 113.0 | 000.1000 | 0022.5 | 005.6 | 324.9 | 000.1118 | 0057.9 | 027.0 | 39.91 | |
| 114.0 | 000.1000 | 0022.0 | 005.6 | 324.7 | 000.1116 | 0057.7 | 027.0 | 39.91 | |
| 115.0 | 000.1000 | 0021.7 | 005.6 | 324.6 | 000.1115 | 0057.5 | 026.9 | 39.90 | |
| 116.0 | 000.1000 | 0021.5 | 005.6 | 324.4 | 000.1113 | 0057.3 | 026.9 | 39.89 | |
| 117.0 | 000.1000 | 0021.4 | 005.6 | 324.2 | 000.1111 | 0057.0 | 026.8 | 39.87 | |
| 118.0 | 000.1000 | 0021.4 | 005.6 | 324.0 | 000.1109 | 0056.7 | 026.8 | 39.85 | |

Table 3

Contour Protection "FM Over" Report
RE: WVG-T-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 2 of 3)



| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 119.0 | 000.1000 | 0021.2 | 005.6 | 323.8 | 000.1108 | 0056.4 | 026.7 | 39.84 | |
| 120.0 | 000.1000 | 0021.1 | 005.6 | 323.6 | 000.1106 | 0056.3 | 026.7 | 39.83 | |
| 121.0 | 000.1000 | 0021.2 | 005.6 | 323.4 | 000.1105 | 0056.1 | 026.7 | 39.82 | |
| 122.0 | 000.1000 | 0020.8 | 005.6 | 323.2 | 000.1104 | 0055.9 | 026.6 | 39.81 | |
| 123.0 | 000.1000 | 0020.6 | 005.6 | 323.0 | 000.1102 | 0055.7 | 026.6 | 39.80 | |
| 124.0 | 000.1000 | 0020.3 | 005.6 | 322.8 | 000.1101 | 0055.5 | 026.5 | 39.79 | |
| 125.0 | 000.1000 | 0020.4 | 005.6 | 322.6 | 000.1100 | 0055.4 | 026.5 | 39.79 | |
| 126.0 | 000.1000 | 0020.1 | 005.6 | 322.4 | 000.1098 | 0055.3 | 026.5 | 39.78 | |
| 127.0 | 000.1000 | 0019.5 | 005.6 | 322.2 | 000.1097 | 0055.2 | 026.5 | 39.78 | |
| 128.0 | 000.1000 | 0019.5 | 005.6 | 322.0 | 000.1096 | 0055.1 | 026.4 | 39.78 | |
| 129.0 | 000.1000 | 0019.7 | 005.6 | 321.8 | 000.1094 | 0055.0 | 026.4 | 39.76 | |
| 130.0 | 000.1000 | 0019.1 | 005.6 | 321.6 | 000.1092 | 0054.8 | 026.4 | 39.74 | |
| 131.0 | 000.1000 | 0018.6 | 005.6 | 321.4 | 000.1090 | 0054.7 | 026.4 | 39.73 | |
| 132.0 | 000.1000 | 0018.7 | 005.6 | 321.2 | 000.1087 | 0054.6 | 026.4 | 39.71 | |
| 133.0 | 000.1000 | 0019.2 | 005.6 | 321.0 | 000.1085 | 0054.4 | 026.3 | 39.69 | |
| 134.0 | 000.1000 | 0018.7 | 005.6 | 320.8 | 000.1084 | 0054.3 | 026.3 | 39.68 | |
| 135.0 | 000.1000 | 0018.5 | 005.6 | 320.5 | 000.1083 | 0054.3 | 026.3 | 39.66 | |
| 136.0 | 000.1000 | 0018.8 | 005.6 | 320.3 | 000.1081 | 0054.2 | 026.3 | 39.66 | |
| 137.0 | 000.1000 | 0019.7 | 005.6 | 320.1 | 000.1080 | 0054.3 | 026.3 | 39.67 | |
| 138.0 | 000.1000 | 0020.6 | 005.6 | 319.9 | 000.1080 | 0054.4 | 026.3 | 39.68 | |
| 139.0 | 000.1000 | 0021.1 | 005.6 | 319.7 | 000.1082 | 0054.4 | 026.3 | 39.69 | |
| 140.0 | 000.1000 | 0021.3 | 005.6 | 319.5 | 000.1084 | 0054.4 | 026.3 | 39.71 | |
| 141.0 | 000.1000 | 0021.4 | 005.6 | 319.3 | 000.1086 | 0054.4 | 026.3 | 39.72 | |
| 142.0 | 000.1000 | 0021.2 | 005.6 | 319.0 | 000.1089 | 0054.4 | 026.3 | 39.73 | |
| 143.0 | 000.1000 | 0020.8 | 005.6 | 318.8 | 000.1091 | 0054.4 | 026.3 | 39.73 | |
| 144.0 | 000.1000 | 0020.5 | 005.6 | 318.6 | 000.1094 | 0054.4 | 026.3 | 39.73 | |
| 145.0 | 000.1000 | 0020.4 | 005.6 | 318.4 | 000.1097 | 0054.4 | 026.3 | 39.74 | |
| 146.0 | 000.1000 | 0020.5 | 005.6 | 318.2 | 000.1100 | 0054.4 | 026.3 | 39.74 | |
| 147.0 | 000.1000 | 0020.4 | 005.6 | 318.0 | 000.1102 | 0054.4 | 026.4 | 39.73 | |
| 148.0 | 000.1000 | 0020.3 | 005.6 | 317.8 | 000.1105 | 0054.4 | 026.4 | 39.73 | |
| 149.0 | 000.1000 | 0020.2 | 005.6 | 317.6 | 000.1107 | 0054.4 | 026.4 | 39.73 | |
| 150.0 | 000.1000 | 0020.3 | 005.6 | 317.3 | 000.1109 | 0054.5 | 026.4 | 39.74 | |
| 151.0 | 000.1000 | 0020.4 | 005.6 | 317.1 | 000.1111 | 0054.6 | 026.4 | 39.74 | |
| 152.0 | 000.1000 | 0020.8 | 005.6 | 316.9 | 000.1113 | 0054.7 | 026.5 | 39.76 | |
| 153.0 | 000.1000 | 0021.3 | 005.6 | 316.7 | 000.1116 | 0054.9 | 026.5 | 39.78 | |
| 154.0 | 000.1000 | 0021.9 | 005.6 | 316.5 | 000.1119 | 0055.1 | 026.5 | 39.81 | |
| 155.0 | 000.1000 | 0022.3 | 005.6 | 316.3 | 000.1121 | 0055.3 | 026.5 | 39.83 | |
| 156.0 | 000.1000 | 0022.7 | 005.6 | 316.1 | 000.1124 | 0055.5 | 026.6 | 39.85 | |
| 157.0 | 000.1000 | 0023.0 | 005.6 | 315.9 | 000.1126 | 0055.7 | 026.6 | 39.87 | |
| 158.0 | 000.1000 | 0023.9 | 005.6 | 315.7 | 000.1128 | 0055.9 | 026.7 | 39.89 | |
| 159.0 | 000.1000 | 0024.3 | 005.6 | 315.5 | 000.1130 | 0056.1 | 026.7 | 39.90 | |
| 160.0 | 000.1000 | 0024.6 | 005.6 | 315.3 | 000.1132 | 0056.3 | 026.7 | 39.90 | |
| 161.0 | 000.0996 | 0024.8 | 005.6 | 315.2 | 000.1134 | 0056.4 | 026.8 | 39.90 | |
| 162.0 | 000.0992 | 0024.9 | 005.6 | 315.0 | 000.1136 | 0056.5 | 026.8 | 39.89 | |
| 163.0 | 000.0990 | 0025.0 | 005.6 | 314.8 | 000.1138 | 0056.7 | 026.9 | 39.89 | |
| 164.0 | 000.0986 | 0025.1 | 005.6 | 314.6 | 000.1140 | 0056.8 | 026.9 | 39.88 | |
| 165.0 | 000.0982 | 0025.1 | 005.6 | 314.4 | 000.1141 | 0056.9 | 027.0 | 39.87 | |
| 166.0 | 000.0978 | 0025.3 | 005.6 | 314.3 | 000.1143 | 0056.9 | 027.0 | 39.84 | |
| 167.0 | 000.0974 | 0025.7 | 005.6 | 314.1 | 000.1145 | 0057.0 | 027.1 | 39.82 | |
| 168.0 | 000.0972 | 0026.1 | 005.6 | 313.9 | 000.1147 | 0057.0 | 027.2 | 39.80 | |
| 169.0 | 000.0968 | 0026.6 | 005.6 | 313.8 | 000.1149 | 0057.1 | 027.2 | 39.78 | |
| 170.0 | 000.0964 | 0027.0 | 005.6 | 313.6 | 000.1151 | 0057.2 | 027.3 | 39.76 | |
| 171.0 | 000.0945 | 0027.3 | 005.6 | 313.5 | 000.1153 | 0057.2 | 027.4 | 39.72 | |

Table 3

Contour Protection "FM Over" Report
RE: WVG-T-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 3 of 3)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 172.0 | 000.0927 | 0027.4 | 005.5 | 313.4 | 000.1154 | 0057.3 | 027.4 | 39.68 | |
| 173.0 | 000.0908 | 0027.5 | 005.5 | 313.2 | 000.1156 | 0057.3 | 027.5 | 39.65 | |
| 174.0 | 000.0891 | 0027.5 | 005.5 | 313.1 | 000.1158 | 0057.4 | 027.6 | 39.61 | |
| 175.0 | 000.0872 | 0027.5 | 005.4 | 313.0 | 000.1159 | 0057.5 | 027.7 | 39.57 | |
| 176.0 | 000.0854 | 0027.5 | 005.4 | 312.9 | 000.1160 | 0057.5 | 027.8 | 39.53 | |
| 177.0 | 000.0837 | 0027.5 | 005.4 | 312.8 | 000.1161 | 0057.6 | 027.9 | 39.49 | |
| 178.0 | 000.0819 | 0027.5 | 005.4 | 312.7 | 000.1162 | 0057.6 | 027.9 | 39.45 | |
| 179.0 | 000.0803 | 0027.5 | 005.3 | 312.6 | 000.1163 | 0057.7 | 028.0 | 39.40 | |
| 180.0 | 000.0785 | 0027.6 | 005.3 | 312.5 | 000.1164 | 0057.7 | 028.1 | 39.36 | |
| 181.0 | 000.0774 | 0027.6 | 005.3 | 312.4 | 000.1165 | 0057.8 | 028.2 | 39.32 | |
| 182.0 | 000.0762 | 0027.7 | 005.3 | 312.4 | 000.1166 | 0057.8 | 028.3 | 39.28 | |
| 183.0 | 000.0752 | 0027.8 | 005.2 | 312.3 | 000.1167 | 0057.9 | 028.4 | 39.25 | |
| 184.0 | 000.0741 | 0027.8 | 005.2 | 312.2 | 000.1168 | 0058.0 | 028.4 | 39.21 | |
| 185.0 | 000.0729 | 0027.9 | 005.2 | 312.1 | 000.1169 | 0058.0 | 028.5 | 39.17 | |
| 186.0 | 000.0719 | 0027.9 | 005.2 | 312.0 | 000.1169 | 0058.0 | 028.6 | 39.13 | |
| 187.0 | 000.0709 | 0027.9 | 005.2 | 312.0 | 000.1170 | 0058.1 | 028.7 | 39.09 | |
| 188.0 | 000.0699 | 0028.0 | 005.1 | 311.9 | 000.1171 | 0058.1 | 028.8 | 39.04 | |
| 189.0 | 000.0687 | 0028.0 | 005.1 | 311.8 | 000.1172 | 0058.1 | 028.9 | 39.00 | |
| 190.0 | 000.0677 | 0028.0 | 005.1 | 311.8 | 000.1173 | 0058.1 | 029.0 | 38.95 | |
| 191.0 | 000.0658 | 0028.0 | 005.1 | 311.7 | 000.1173 | 0058.1 | 029.1 | 38.90 | |
| 192.0 | 000.0638 | 0028.0 | 005.0 | 311.7 | 000.1173 | 0058.1 | 029.2 | 38.85 | |
| 193.0 | 000.0619 | 0028.1 | 005.0 | 311.7 | 000.1174 | 0058.1 | 029.3 | 38.80 | |
| 194.0 | 000.0601 | 0028.2 | 004.9 | 311.7 | 000.1174 | 0058.2 | 029.3 | 38.74 | |
| 195.0 | 000.0582 | 0028.2 | 004.9 | 311.7 | 000.1174 | 0058.2 | 029.4 | 38.69 | |
| 196.0 | 000.0564 | 0028.3 | 004.9 | 311.7 | 000.1174 | 0058.2 | 029.5 | 38.64 | |
| 197.0 | 000.0546 | 0028.3 | 004.8 | 311.7 | 000.1174 | 0058.2 | 029.6 | 38.59 | |
| 198.0 | 000.0529 | 0028.5 | 004.8 | 311.7 | 000.1174 | 0058.2 | 029.7 | 38.54 | |

Table 4

Contour Protection "FM Over" Report
RE: WDDT-LP and WIDT-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 1 of 3)



06-08-2016 Terrain Data: USGS 03 SEC FMOver Analysis

WDDT-LP BLL20151110ALH
WIDT-LP BLL20150915AGD
(timeshared - identical parameters)

W257DQ prop 258

Channel = 259L1
Max ERP = 0.019 kW
RCAMSL = 100 m
N. Lat. 28 33 11.0
W. Lng. 81 36 01.0
Protected
60 dBu

Channel = 258D
Max ERP = 0.25 kW
RCAMSL = 89 m
N. Lat. 28 34 50.0
W. Lng. 81 25 15.0
Interfering
54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 020.0 | 000.0190 | 0077.5 | 006.0 | 279.5 | 000.2500 | 0055.8 | 015.7 | 52.02 | |
| 021.0 | 000.0190 | 0077.2 | 006.0 | 279.3 | 000.2500 | 0055.8 | 015.6 | 52.10 | |
| 022.0 | 000.0190 | 0076.7 | 006.0 | 279.2 | 000.2500 | 0055.7 | 015.5 | 52.17 | |
| 023.0 | 000.0190 | 0076.2 | 005.9 | 279.0 | 000.2500 | 0055.6 | 015.4 | 52.25 | |
| 024.0 | 000.0190 | 0075.9 | 005.9 | 278.9 | 000.2500 | 0055.6 | 015.3 | 52.33 | |
| 025.0 | 000.0190 | 0075.3 | 005.9 | 278.7 | 000.2500 | 0055.5 | 015.2 | 52.39 | |
| 026.0 | 000.0190 | 0074.3 | 005.9 | 278.5 | 000.2500 | 0055.3 | 015.1 | 52.44 | |
| 027.0 | 000.0190 | 0073.5 | 005.8 | 278.2 | 000.2500 | 0055.1 | 015.0 | 52.49 | |
| 028.0 | 000.0190 | 0073.3 | 005.8 | 278.1 | 000.2500 | 0055.0 | 014.9 | 52.33 | |
| 029.0 | 000.0190 | 0072.8 | 005.8 | 277.9 | 000.2500 | 0054.8 | 014.8 | 52.40 | |
| 030.0 | 000.0190 | 0072.7 | 005.8 | 277.7 | 000.2500 | 0054.7 | 014.7 | 52.48 | |
| 031.0 | 000.0190 | 0072.5 | 005.8 | 277.5 | 000.2500 | 0054.6 | 014.7 | 52.57 | |
| 032.0 | 000.0190 | 0071.3 | 005.7 | 277.2 | 000.2500 | 0054.4 | 014.6 | 52.63 | |
| 033.0 | 000.0190 | 0070.4 | 005.7 | 276.9 | 000.2500 | 0054.2 | 014.5 | 52.69 | |
| 034.0 | 000.0190 | 0068.9 | 005.7 | 276.5 | 000.2500 | 0054.0 | 014.4 | 52.73 | |
| 035.0 | 000.0190 | 0067.8 | 005.6 | 276.2 | 000.2500 | 0053.7 | 014.4 | 52.77 | |
| 036.0 | 000.0190 | 0067.4 | 005.6 | 275.9 | 000.2500 | 0053.5 | 014.3 | 52.82 | |
| 037.0 | 000.0190 | 0068.0 | 005.6 | 275.8 | 000.2500 | 0053.4 | 014.2 | 52.92 | |
| 038.0 | 000.0190 | 0068.5 | 005.6 | 275.7 | 000.2500 | 0053.2 | 014.1 | 53.01 | |
| 039.0 | 000.0190 | 0068.1 | 005.6 | 275.4 | 000.2500 | 0052.8 | 014.0 | 53.04 | |
| 040.0 | 000.0190 | 0067.2 | 005.6 | 275.1 | 000.2500 | 0052.2 | 014.0 | 53.01 | |
| 041.0 | 000.0190 | 0066.1 | 005.5 | 274.7 | 000.2500 | 0051.6 | 013.9 | 52.96 | |
| 042.0 | 000.0190 | 0065.4 | 005.5 | 274.3 | 000.2500 | 0051.0 | 013.9 | 52.94 | |
| 043.0 | 000.0190 | 0064.7 | 005.5 | 274.0 | 000.2500 | 0050.5 | 013.8 | 52.93 | |
| 044.0 | 000.0190 | 0064.0 | 005.5 | 273.7 | 000.2500 | 0050.2 | 013.8 | 52.94 | |
| 045.0 | 000.0190 | 0063.3 | 005.4 | 273.3 | 000.2500 | 0049.8 | 013.7 | 52.95 | |
| 046.0 | 000.0190 | 0062.9 | 005.4 | 273.0 | 000.2500 | 0049.7 | 013.6 | 53.00 | |
| 047.0 | 000.0190 | 0062.5 | 005.4 | 272.7 | 000.2500 | 0049.5 | 013.6 | 53.04 | |
| 048.0 | 000.0190 | 0062.7 | 005.4 | 272.4 | 000.2500 | 0049.3 | 013.5 | 53.10 | |
| 049.0 | 000.0190 | 0062.6 | 005.4 | 272.1 | 000.2500 | 0049.2 | 013.4 | 53.17 | |
| 050.0 | 000.0190 | 0062.6 | 005.4 | 271.8 | 000.2500 | 0049.1 | 013.4 | 53.23 | |
| 051.0 | 000.0190 | 0062.8 | 005.4 | 271.6 | 000.2500 | 0049.0 | 013.3 | 53.31 | |
| 052.0 | 000.0190 | 0063.2 | 005.4 | 271.3 | 000.2500 | 0048.9 | 013.2 | 53.39 | |
| 053.0 | 000.0190 | 0063.5 | 005.4 | 271.0 | 000.2500 | 0048.8 | 013.2 | 53.46 | |
| 054.0 | 000.0190 | 0063.7 | 005.5 | 270.7 | 000.2500 | 0048.6 | 013.1 | 53.52 | |
| 055.0 | 000.0190 | 0063.9 | 005.5 | 270.4 | 000.2500 | 0048.5 | 013.0 | 53.58 | |
| 056.0 | 000.0190 | 0063.9 | 005.5 | 270.0 | 000.2500 | 0048.3 | 013.0 | 53.61 | |

Table 4

Contour Protection "FM Over" Report
RE: WDDT-LP and WIDT-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 2 of 3)



| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 057.0 | 000.0190 | 0063.1 | 005.4 | 269.6 | 000.2500 | 0048.0 | 013.0 | 53.60 | |
| 058.0 | 000.0190 | 0062.3 | 005.4 | 269.2 | 000.2500 | 0047.7 | 012.9 | 53.58 | |
| 059.0 | 000.0190 | 0061.7 | 005.4 | 268.8 | 000.2500 | 0047.6 | 012.9 | 53.59 | |
| 060.0 | 000.0190 | 0062.1 | 005.4 | 268.4 | 000.2500 | 0047.4 | 012.9 | 53.64 | |
| 061.0 | 000.0190 | 0062.3 | 005.4 | 268.1 | 000.2500 | 0047.2 | 012.8 | 53.69 | |
| 062.0 | 000.0190 | 0062.0 | 005.4 | 267.7 | 000.2500 | 0047.1 | 012.8 | 53.69 | |
| 063.0 | 000.0190 | 0061.0 | 005.4 | 267.2 | 000.2500 | 0046.9 | 012.8 | 53.66 | |
| 064.0 | 000.0190 | 0060.4 | 005.3 | 266.8 | 000.2500 | 0046.7 | 012.8 | 53.66 | |
| 065.0 | 000.0190 | 0060.7 | 005.3 | 266.4 | 000.2500 | 0046.6 | 012.7 | 53.70 | |
| 066.0 | 000.0190 | 0060.0 | 005.3 | 266.0 | 000.2500 | 0046.5 | 012.7 | 53.68 | |
| 067.0 | 000.0190 | 0059.9 | 005.3 | 265.6 | 000.2500 | 0046.4 | 012.7 | 53.70 | |
| 068.0 | 000.0190 | 0060.8 | 005.3 | 265.2 | 000.2500 | 0046.3 | 012.6 | 53.78 | |
| 069.0 | 000.0190 | 0061.5 | 005.4 | 264.9 | 000.2500 | 0046.3 | 012.6 | 53.85 | |
| 070.0 | 000.0190 | 0061.7 | 005.4 | 264.4 | 000.2500 | 0046.2 | 012.5 | 53.88 | |
| 071.0 | 000.0190 | 0061.1 | 005.4 | 264.0 | 000.2500 | 0046.2 | 012.5 | 53.88 | |
| 072.0 | 000.0190 | 0060.6 | 005.3 | 263.6 | 000.2500 | 0046.2 | 012.5 | 53.88 | |
| 073.0 | 000.0190 | 0060.8 | 005.3 | 263.2 | 000.2500 | 0046.2 | 012.5 | 53.92 | |
| 074.0 | 000.0190 | 0059.9 | 005.3 | 262.7 | 000.2500 | 0046.2 | 012.5 | 53.90 | |
| 075.0 | 000.0190 | 0059.3 | 005.3 | 262.3 | 000.2500 | 0046.2 | 012.5 | 53.87 | |
| 076.0 | 000.0190 | 0058.8 | 005.3 | 261.8 | 000.2500 | 0046.2 | 012.5 | 53.85 | |
| 077.0 | 000.0190 | 0058.5 | 005.3 | 261.4 | 000.2500 | 0046.2 | 012.5 | 53.84 | |
| 078.0 | 000.0190 | 0058.3 | 005.2 | 261.0 | 000.2500 | 0046.1 | 012.5 | 53.83 | |
| 079.0 | 000.0190 | 0058.2 | 005.2 | 260.6 | 000.2500 | 0046.1 | 012.6 | 53.82 | |
| 080.0 | 000.0190 | 0057.9 | 005.2 | 260.2 | 000.2500 | 0046.1 | 012.6 | 53.82 | |
| 081.0 | 000.0190 | 0057.7 | 005.2 | 259.8 | 000.2500 | 0046.1 | 012.6 | 53.79 | |
| 082.0 | 000.0190 | 0057.3 | 005.2 | 259.3 | 000.2500 | 0046.0 | 012.6 | 53.74 | |
| 083.0 | 000.0190 | 0056.5 | 005.2 | 258.9 | 000.2500 | 0045.9 | 012.6 | 53.66 | |
| 084.0 | 000.0190 | 0056.3 | 005.2 | 258.5 | 000.2500 | 0045.8 | 012.6 | 53.62 | |
| 085.0 | 000.0190 | 0056.5 | 005.2 | 258.1 | 000.2500 | 0045.7 | 012.6 | 53.60 | |
| 086.0 | 000.0190 | 0056.8 | 005.2 | 257.7 | 000.2500 | 0045.6 | 012.6 | 53.59 | |
| 087.0 | 000.0190 | 0057.2 | 005.2 | 257.3 | 000.2500 | 0045.6 | 012.6 | 53.59 | |
| 088.0 | 000.0190 | 0057.4 | 005.2 | 256.9 | 000.2500 | 0045.6 | 012.7 | 53.58 | |
| 089.0 | 000.0190 | 0057.2 | 005.2 | 256.5 | 000.2500 | 0045.7 | 012.7 | 53.56 | |
| 090.0 | 000.0190 | 0057.2 | 005.2 | 256.1 | 000.2500 | 0045.8 | 012.7 | 53.54 | |
| 091.0 | 000.0190 | 0057.4 | 005.2 | 255.7 | 000.2500 | 0045.9 | 012.7 | 53.54 | |
| 092.0 | 000.0190 | 0057.7 | 005.2 | 255.3 | 000.2500 | 0045.9 | 012.7 | 53.53 | |
| 093.0 | 000.0190 | 0057.9 | 005.2 | 254.9 | 000.2500 | 0045.9 | 012.7 | 53.50 | |
| 094.0 | 000.0190 | 0058.2 | 005.2 | 254.5 | 000.2500 | 0045.9 | 012.8 | 53.46 | |
| 095.0 | 000.0190 | 0058.3 | 005.2 | 254.1 | 000.2500 | 0045.8 | 012.8 | 53.41 | |
| 096.0 | 000.0190 | 0058.6 | 005.3 | 253.7 | 000.2500 | 0045.8 | 012.8 | 53.37 | |
| 097.0 | 000.0190 | 0058.7 | 005.3 | 253.3 | 000.2500 | 0045.8 | 012.8 | 53.33 | |
| 098.0 | 000.0190 | 0058.5 | 005.3 | 252.9 | 000.2500 | 0045.8 | 012.9 | 53.27 | |
| 099.0 | 000.0190 | 0058.9 | 005.3 | 252.5 | 000.2500 | 0045.9 | 012.9 | 53.24 | |
| 100.0 | 000.0190 | 0059.4 | 005.3 | 252.1 | 000.2500 | 0045.9 | 012.9 | 53.22 | |
| 101.0 | 000.0190 | 0060.0 | 005.3 | 251.7 | 000.2500 | 0046.0 | 013.0 | 53.20 | |
| 102.0 | 000.0190 | 0060.5 | 005.3 | 251.3 | 000.2500 | 0046.1 | 013.0 | 53.18 | |
| 103.0 | 000.0190 | 0061.0 | 005.4 | 250.9 | 000.2500 | 0046.2 | 013.0 | 53.16 | |
| 104.0 | 000.0190 | 0061.7 | 005.4 | 250.5 | 000.2500 | 0046.4 | 013.1 | 53.17 | |
| 105.0 | 000.0190 | 0062.0 | 005.4 | 250.2 | 000.2500 | 0046.6 | 013.1 | 53.14 | |
| 106.0 | 000.0190 | 0062.3 | 005.4 | 249.8 | 000.2500 | 0046.8 | 013.1 | 53.11 | |
| 107.0 | 000.0190 | 0062.6 | 005.4 | 249.4 | 000.2500 | 0046.9 | 013.2 | 53.07 | |
| 108.0 | 000.0190 | 0062.7 | 005.4 | 249.1 | 000.2500 | 0047.0 | 013.2 | 53.01 | |

Table 4

Contour Protection "FM Over" Report
RE: WDDT-LP and WIDT-LP
Florida Broadcasters Partnership
W257DQ Orlando, FL
(page 3 of 3)

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 109.0 | 000.0190 | 0062.4 | 005.4 | 248.8 | 000.2500 | 0047.1 | 013.3 | 52.93 | |
| 110.0 | 000.0190 | 0062.3 | 005.4 | 248.5 | 000.2500 | 0047.1 | 013.4 | 52.85 | |
| 111.0 | 000.0190 | 0062.2 | 005.4 | 248.2 | 000.2500 | 0047.1 | 013.4 | 52.76 | |
| 112.0 | 000.0190 | 0062.3 | 005.4 | 247.9 | 000.2500 | 0047.1 | 013.5 | 52.68 | |
| 113.0 | 000.0190 | 0062.2 | 005.4 | 247.7 | 000.2500 | 0047.1 | 013.6 | 52.59 | |
| 114.0 | 000.0190 | 0062.0 | 005.4 | 247.4 | 000.2500 | 0047.1 | 013.7 | 52.49 | |
| 115.0 | 000.0190 | 0061.8 | 005.4 | 247.2 | 000.2500 | 0047.1 | 013.7 | 52.40 | |
| 116.0 | 000.0190 | 0061.7 | 005.4 | 246.9 | 000.2500 | 0047.2 | 013.8 | 52.31 | |
| 117.0 | 000.0190 | 0061.6 | 005.4 | 246.7 | 000.2500 | 0047.2 | 013.9 | 52.22 | |
| 118.0 | 000.0190 | 0061.6 | 005.4 | 246.4 | 000.2500 | 0047.3 | 013.9 | 52.14 | |
| 119.0 | 000.0190 | 0061.7 | 005.4 | 246.2 | 000.2500 | 0047.3 | 014.0 | 52.05 | |
| 120.0 | 000.0190 | 0061.9 | 005.4 | 245.9 | 000.2500 | 0047.3 | 014.1 | 51.96 | |
| 121.0 | 000.0190 | 0062.6 | 005.4 | 245.6 | 000.2500 | 0047.4 | 014.2 | 51.91 | |
| 122.0 | 000.0190 | 0063.4 | 005.4 | 245.3 | 000.2500 | 0047.5 | 014.2 | 51.85 | |
| 123.0 | 000.0190 | 0063.8 | 005.5 | 245.1 | 000.2500 | 0047.6 | 014.3 | 51.78 | |
| 124.0 | 000.0190 | 0063.6 | 005.4 | 244.9 | 000.2500 | 0047.7 | 014.4 | 51.69 | |
| 125.0 | 000.0190 | 0063.2 | 005.4 | 244.8 | 000.2500 | 0047.7 | 014.5 | 51.59 | |
| 126.0 | 000.0190 | 0062.8 | 005.4 | 244.6 | 000.2500 | 0047.8 | 014.5 | 51.50 | |
| 127.0 | 000.0190 | 0062.4 | 005.4 | 244.5 | 000.2500 | 0047.9 | 014.6 | 51.40 | |
| 128.0 | 000.0190 | 0062.3 | 005.4 | 244.3 | 000.2500 | 0047.9 | 014.7 | 51.31 | |
| 129.0 | 000.0190 | 0062.4 | 005.4 | 244.2 | 000.2500 | 0048.0 | 014.8 | 51.22 | |
| 130.0 | 000.0190 | 0062.5 | 005.4 | 244.0 | 000.2500 | 0048.0 | 014.9 | 51.14 | |
| 131.0 | 000.0190 | 0062.8 | 005.4 | 243.8 | 000.2500 | 0048.1 | 015.0 | 51.06 | |
| 132.0 | 000.0190 | 0063.9 | 005.5 | 243.5 | 000.2500 | 0048.2 | 015.0 | 51.21 | |
| 133.0 | 000.0190 | 0064.8 | 005.5 | 243.3 | 000.2500 | 0048.2 | 015.1 | 51.15 | |
| 134.0 | 000.0190 | 0065.5 | 005.5 | 243.1 | 000.2500 | 0048.2 | 015.2 | 51.08 | |
| 135.0 | 000.0190 | 0065.8 | 005.5 | 242.9 | 000.2500 | 0048.2 | 015.3 | 51.00 | |
| 136.0 | 000.0190 | 0066.2 | 005.6 | 242.7 | 000.2500 | 0048.3 | 015.4 | 50.93 | |
| 137.0 | 000.0190 | 0066.9 | 005.6 | 242.6 | 000.2500 | 0048.3 | 015.5 | 50.86 | |
| 138.0 | 000.0190 | 0067.7 | 005.6 | 242.4 | 000.2500 | 0048.3 | 015.6 | 50.79 | |
| 139.0 | 000.0190 | 0068.1 | 005.6 | 242.2 | 000.2500 | 0048.3 | 015.6 | 50.71 | |

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

| | | | |
|--|--|--|---------------------|
| Name JOSEPH M. DAVIS, P.E. | | Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER | |
| Signature | | Date 06/08/2016 | |
| Mailing Address CHESAPEAKE RF CONSULTANTS, LLC 207 OLD DOMINION ROAD | | | |
| City YORKTOWN | | State or Country (if foreign address) VA | Zip Code 23692 - |
| Telephone Number (include area code) 7036509600 | | E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM | |

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Section III-A - Engineering**TECHNICAL SPECIFICATIONS**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

| | | | | | | | | | | | | |
|-----|---|-------|-----------|-------|---------|-------|---------|-------|---------------------------|-------|---------|-------|
| 1. | Channel: 258 | | | | | | | | | | | |
| 2. | Primary Station: | | | | | | | | | | | |
| | Facility ID Number | | Call Sign | | City | | | State | | | | |
| | 21759 | | WRMQ | | ORLANDO | | | FL | | | | |
| 3. | Delivery Method (Select One): <input type="radio"/> Off-air <input type="radio"/> Microwave <input type="radio"/> Satellite <input type="radio"/> Via <input checked="" type="radio"/> Other | | | | | | | | | | | |
| 4. | Antenna Location Coordinates: (NAD 27) | | | | | | | | | | | |
| | Latitude: | | | | | | | | | | | |
| | Degrees 28 Minutes 34 Seconds 50 <input checked="" type="radio"/> North <input type="radio"/> South | | | | | | | | | | | |
| | Longitude: | | | | | | | | | | | |
| | Degrees 81 Minutes 25 Seconds 15 <input checked="" type="radio"/> West <input type="radio"/> East | | | | | | | | | | | |
| 5. | Antenna Structure Registration Number: <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA | | | | | | | | | | | |
| 6. | Antenna Location Site Elevation Above Mean Sea Level: | | | | | | | | 30 meters | | | |
| 7. | Overall Tower Height Above Ground Level: | | | | | | | | 61 meters | | | |
| 8. | Height of Radiation Center Above Ground Level: | | | | | | | | 59 meters(H) 59 meters(V) | | | |
| 9. | Effective Radiated Power: | | | | | | | | 0.25 kW(H) 0.25 kW(V) | | | |
| 10. | Transmitting Antenna: | | | | | | | | | | | |
| | Before selecting Directional "Off-the-Shelf", refer to "Search for Antenna Information" under CDBS Public Access (http://licensing.fcc.gov/prod/cdbs/pubacc/prod/cdbs_pa.htm). Make sure that the Standard Pattern is marked Yes and that the relative field values shown match your values. Enter the Manufacturer (Make) and Model exactly as displayed in the Antenna Search. | | | | | | | | | | | |
| | <input type="radio"/> Nondirectional <input type="radio"/> Directional Off-the Shelf <input checked="" type="radio"/> Directional composite | | | | | | | | | | | |
| | Manufacturer SWR Model FMEC PLUS 1 BAY | | | | | | | | | | | |
| | Rotation:degrees <input checked="" type="checkbox"/> No Rotation | | | | | | | | | | | |
| | Degrees | Value | Degrees | Value | Degrees | Value | Degrees | Value | Degrees | Value | Degrees | Value |
| | 0 | 1 | 10 | 1 | 20 | 1 | 30 | 1 | 40 | 1 | 50 | 1 |
| | 60 | 1 | 70 | 1 | 80 | 0.512 | 90 | 0.258 | 100 | 0.215 | 110 | 0.196 |
| | 120 | 0.194 | 130 | 0.227 | 140 | 0.337 | 150 | 1 | 160 | 1 | 170 | 1 |
| | 180 | 1 | 190 | 1 | 200 | 1 | 210 | 1 | 220 | 1 | 230 | 1 |
| | 240 | 1 | 250 | 1 | 260 | 1 | 270 | 1 | 280 | 1 | 290 | 1 |
| | 300 | 1 | 310 | 0.691 | 320 | 0.657 | 330 | 0.68 | 340 | 1 | 350 | 1 |
| | Additional Azimuths | | | | | | | | | | | |

[Relative Field Polar Plot](#)

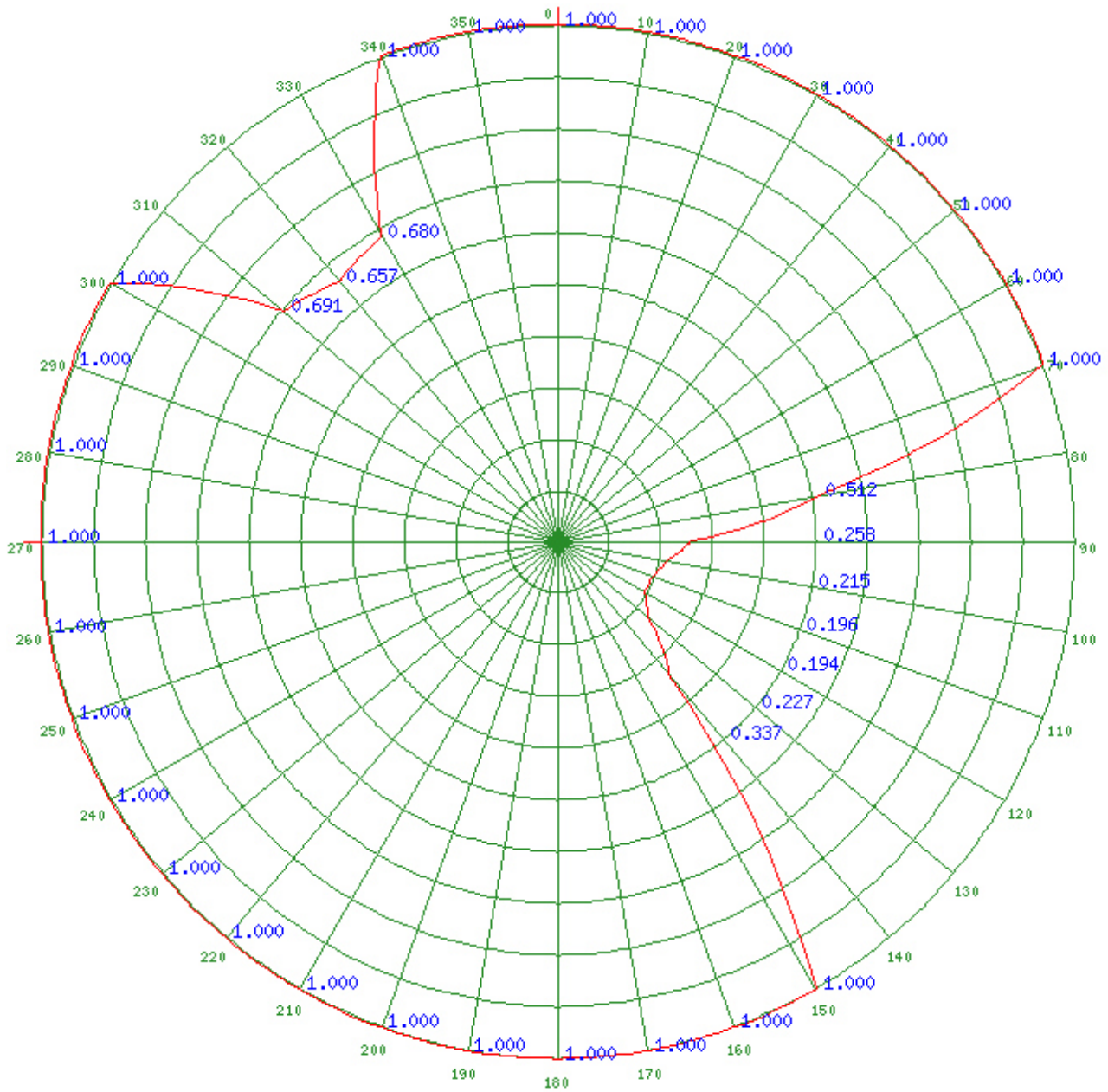
| | | | |
|-----|--|--|--|
| 11. | For FM Boosters and Fill-in translators only. | | |
| a. | FM Fill-in translators. Applicant certifies that the FM translator's (a) coverage contour does not extend beyond the protected contour of the commercial FM primary station to be rebroadcast, or (b) entire 60 dBu contour is contained within the lesser of: (i) the 2 mV/m | <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A | |

| | | |
|-----|---|---|
| | <p>daytime contour of the AM primary station to be rebroadcast, or (ii) a 25-mile radius centered at the AM primary station's transmitter site.</p> <p>b. FM Boosters. Applicant certifies that the FM Booster station's service contour is entirely within the primary station's protected coverage contour.</p> | <p>See Explanation in [Exhibit 10]</p> <p><input type="radio"/> Yes <input type="radio"/> No</p> <p><input checked="" type="radio"/> N/A</p> <p>See Explanation in [Exhibit 11]</p> |
| 12. | <p>Interference. The proposed facility complies with all of the following applicable rule sections. Check all that apply:</p> <p>Overlap Requirements.</p> <p><input checked="" type="checkbox"/> a) 47 C.F.R. Section 74.1204 Exhibit Required.</p> <p>Television Channel 6 Protection.</p> <p><input type="checkbox"/> b) 47 C.F.R. Section 74.1205 with respect to station(s) Exhibit Required.</p> | <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 12]</p> <p>[Exhibit 13]</p> <p>[Exhibit 14]</p> |
| 13. | <p>Unattended operation. Applicant certifies that unattended operation is not proposed, or if this application proposes unattended operation, the applicant certifies that it will comply with the requirements of 47 C.F.R. Section 74.1234.</p> | <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 15]</p> |
| 14. | <p>Multiple Translators. Applicant certifies that it does not have any interest in an application or an authorization for an FM translator station that serves substantially the same area and rebroadcasts the same signal as the proposed FM translator station.</p> | <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 16]</p> |
| 15. | <p>Environmental Protection Act. Applicant certifies that 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). Unless the applicant can determine compliance through the use of the RF worksheets in Appendix A, an Exhibit is required.</p> <p>By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.</p> | <p><input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>See Explanation in [Exhibit 17]</p> |

Any specified rotation has already been applied to the plotted pattern.

Field strength values shown on a rotated pattern may differ from the listed values because intermediate azimuths are interpolated between entered azimuths.

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