

WDIQ-DT CHANNEL 10 MINOR
CHANGE IN LICENSED FACILITY
APPLICATION FOR FINAL
POST-TRANSITION DTV OPERATION
DOZIER, ALABAMA
(Alabama Education Television Commission)

KESSLER AND GEHMAN ASSOCIATES, INC.
TELECOMMUNICATIONS CONSULTING ENGINEERS

20080308

Prepared by William T. Godfrey, Jr.

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Kessler and Gehman Associates, Inc.

Telecommunications Consulting Engineers

ENGINEERING TECHNICAL STATEMENT PREPARED BY WILLIAM T. GODFREY, JR. OF THE FIRM KESSLER AND GEHMAN ASSOCIATES, INC., TELECOMMUNICATIONS CONSULTING ENGINEERS IN CONNECTION WITH A MINOR CHANGE IN LICENSED FACILITY APPLICATION (BLEDT-20060619AAT) REQUESTING AUTHORIZATION TO OPERATE THE ALABAMA EDUCATIONAL TELEVISION COMMISSION (AETC) DIGITAL TELEVISION BROADCAST FACILITY, WDIQ-DT CHANNEL 10, ON ITS FINAL POST-TRANSITION DIGITAL CHANNEL AS ADOPTED IN THE FINAL DTV TABLE OF ALLOTMENTS.

The firm Kessler and Gehman Associates, Inc. has been retained by the Alabama Educational Television Commission (AETC), Birmingham, AL to prepare engineering studies and the engineering portion of a minor change in licensed facility application (BLEDT-20060619AAT) requesting authorization to operate the WDIQ-DT facility on its final post-transition digital channel as adopted in the Report and Order in MB Docket No. 07-91, FCC 07-228 *In the Matter of Third Periodic Review of the Commission's Rules and Policies Affecting the Conversion to Digital Television*, Released on December 31, 2007 (R&O). This application also requests authorization to operate the final WDIQ-DT Channel 10 post-transition DTV facility with an Effective Radiated Power (ERP) and antenna height radiation center that deviate from the final DTV Table of Allotments (DTV TOA) adopted in the R&O.

Discussion

The final DTV Table of Allotments (TOA) assigns digital Channel 10 as the WDIQ-DT post-transition digital channel. It also assigns the following parameters for the WDIQ-DT Channel 10 post-transition facility: 1) an antenna radiation center Height Above Average Terrain (HAAT) of 393 m; 2) an ERP of 3.2 kW; and 3) a nondirectional antenna azimuth pattern.

AETC currently operates its analog television broadcast facility, WDIQ-TV, on Channel 2 with a Dielectric model TF-4BL nondirectional antenna mounted on the top of the AETC-owned tower (ASRN: 1231615) at 226 m AAT. AETC has issued a Request for Proposal (RFP)



to purchase a new Dielectric model TW-9B10-R nondirectional antenna for its post-transition DTV Channel 10 facility that will replace the existing Channel 2 top-mount nondirectional antenna. Mounting the new antenna on the top of the existing tower will result in an antenna radiation center HAAT of 224.8 m which is 168.2 m less than the antenna radiation center HAAT assigned in the Final DTV TOA. Therefore, to compensate for the decreased height, AETC requests to increase the ERP assigned in the Final DTV TOA from 3.2 kW to 12.3 kW which will comply with the “freeze” (DA 04-2446) and closely match the final DTV TOA facility.

Referring to Exhibit 8, it can be seen that the proposed WDIQ-DT Channel 10 post-transition facility’s F(50,90) 36.0 dBuV/m noise limited contour (dashed red), resulting from an antenna radiation center HAAT of 224.8 m and an ERP of 12.3 kW, closely matches the F(50,90) 36.0 dBuV/m noise limited contour, resulting from the parameters adopted in the Final DTV TOA (green). The F(50,90) 36.0 dBuV/m noise limited contour, resulting from the parameters adopted in the Final DTV TOA (green), completely encompass the proposed WDIQ-DT Channel 10 post-transition facility’s F(50,90) 36.0 dBuV/m noise limited contour (dashed red) in all azimuthal directions.

Expedited Processing

Exhibit 8 demonstrates that the WDIQ-DT Channel 10 Final DTV TOA facility's F(50,90) 36.0 dBuV/m noise limited contour (green) completely encompasses the proposed WDIQ-DT Channel 10 facility's F(50,90) 36.0 dBuV/m noise limited contour (dashed red). Exhibit 9 is a distance to contour tabulation of the WDIQ-DT Channel 10 Final DTV TOA facility. This exhibit depicts the distance, in kilometers, from the transmitter to the WDIQ-DT Final DTV TOA facility’s noise limited contour in all azimuthal directions. Exhibit 10 is a distance to contour tabulation of the proposed WDIQ-DT Channel 10 facility. This exhibit depicts the distance, in kilometers, from the transmitter to the proposed WDIQ-DT noise limited contour in all azimuthal directions. Exhibit 11 is a distance to contour comparison spreadsheet which compares the distance from the transmitter to the noise limited contour of the WDIQ-DT Final DTV TOA facility (Exhibit 9) and the proposed facility (Exhibit 10). Column four in Exhibit 11



depicts "PASS" if the proposed distance to contour values are less than or equal to the Final DTV TOA distance to contour values or "FAIL" if the proposed distance to contour values are greater than the Final DTV TOA distance to contour values. Exhibit 11 demonstrates that the Final DTV TOA facility's distance to contour values are greater than or equal to the proposed distance to contour values in all azimuthal directions. Therefore, the proposed facility will not expand the noise limited service contour in any direction beyond that established in Appendix B of the Seventh Report and Order in MB Docket No. 87-268 establishing the new DTV Table of Allotments in 47 C.F.R. Section 73.622(i) ("new DTV Table Appendix B".)

Exhibit 12 is a contour map depicting the WDIQ-DT Final DTV TOA facility's F(50,90) 36.0 dBuV/m noise limited contour (green) and the predicted population within that contour based on U.S. Census 2000 data. The population within the WDIQ-DT Final DTV TOA facility's F(50,90) 36.0 dBuV/m noise limited contour (green) is predicted to be 455,842 persons. The map also depicts the Proposed WDIQ-DT facility's F(50,90) 36.0 dBuV/m noise limited contour (dashed red) and the predicted population within that contour based on U.S. Census 2000 data. The population within the proposed facility's F(50,90) 36.0 dBuV/m noise limited contour (dashed red) is predicted to be 451,690 persons. Therefore, the proposed WDIQ-DT facility is predicted to serve 4,152 persons less (455,842-451,690) than the WDIQ-DT Final DTV TOA facility which equates to a predicted 0.9% population reduction (4,152/455,842) which is well below the 5.0% reduction threshold to qualify for expedited processing.

Accordingly, AETC respectfully requests expedited processing pursuant to §V.D.1. (¶140) of the R&O. This application meets all three of the following conditions required to qualify for expedited processing:

- (1) This application does not seek to expand the station's facilities beyond its final post-transition DTV Table Appendix B facilities;
- (2) This application specifies facilities that match or closely approximate the DTV Table



- Appendix B facilities (*i.e.*, if the station is unable to build precisely the facilities specified in the new DTV Table Appendix B, then it must apply for facilities that are no more than five percent smaller than its facility specified in Appendix B facilities with respect to predicted population); and
- (3) This application was filed within 45 days of the effective date of the Report and Order.

Exhibits

Exhibits 1 and 2 represent WDIQ's administration data, antenna and antenna structure specifications.

Exhibit 3 depicts the profile view of the proposed antenna on the antenna structure with all the appropriate elevations.

Exhibits 4 (11 deg) and 5 (90 deg) display the elevation pattern and Exhibit 6 displays the elevation pattern tabulation.

Exhibit 7 depicts the location of the WDIQ-DT site on a 7.5-Minute (Series) Topographic map.

Exhibit 8 is an FCC coverage contour map depicting the WDIQ-DT Channel 10 Final DTV TOA facility's F(50,90) 36.0 dBuV/m noise limited contour (green) and the proposed WDIQ-DT Channel 10 facility's F(50,90) 36.0 dBuV/m noise limited contour (dashed red).

Exhibit 9 is a distance to contour tabulation of the WDIQ-DT Final DTV TOA facility. This exhibit depicts the distance, in kilometers, from the transmitter to the authorized WDIQ-DT Final DTV TOA noise limited contour in all azimuthal directions.



Exhibit 10 is a distance to contour tabulation of the proposed WDIQ-DT facility. This exhibit depicts the distance, in kilometers, from the transmitter to the proposed WDIQ-DT noise limited contour in all azimuthal directions.

Exhibit 11 is a distance to contour comparison tabulation spreadsheet between the WDIQ-DT Final DTV TOA facility and the proposed WDIQ-DT facility. The chart demonstrates that the Final DTV TOA facility's distance to contour values are greater than or equal to the proposed facility's distance to contour values in all azimuthal directions.

Exhibit 12 is a contour map depicting the WDIQ-DT Final DTV TOA facility's F(50,90) 36.0 dBuV/m noise limited contour (green) and the predicted population within that contour based on U.S. Census 2000 data. The map also depicts the proposed WDIQ-DT facility's F(50,90) 36.0 dBuV/m noise limited contour (dashed red) and the predicted population within that contour based on U.S. Census 2000 data.

Exhibit 13 is a principal community contour map demonstrating that the proposed WDIQ-DT Channel 10 post-transition DTV facility's F(50,90) 43.0 dBuV/m Principal Community contour would completely encompass the principal community of Dozier, AL.

Environmental Impact

The proposed construction would have no significant environmental impact as defined in §1.1307 of the FCC Rules. The digital transmitter, 3-1/8 inch (50-ohm) transmission line and antenna system shall produce an ERP of 12.3 kW. It was determined that the maximum lobe of radiation from the base of the tower would occur at approximately 8,428.8 feet from the base of the tower (8,449.4-foot radial distance from the antenna center). At approximately 8,428.8 feet from the base of the tower, the depression angle of the main lobe would be approximately 4° below the horizontal. At that point, the relative field is 0.651 and the power density six feet above the ground would be approximately 0.00003 mW/cm². This would only be 0.003% of the



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Maximum Permissible Exposure (MPE) limits for Occupational/Controlled Exposure and only 0.013% of the MPE limits for General Population/Uncontrolled Exposure authorized by the American National Standards Institute (ANSI).

Since operation of the proposed WDIQ-DT Channel 10 facility would not exceed 5.0% of the MPE limit for Occupational/Controlled Exposure or General Population/Uncontrolled Exposure at any point on the ground, the proposed WDIQ-DT Channel 10 post-transition facility would not be considered a "significant contributor" to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. Therefore, contributions of exposure from other sources were not accounted for in this analysis. It is safe to conclude that the emissions would be insignificant and well within the maximum allowable requirements. If other antennas are placed on the tower in the future, the applicant will cooperate with those users by reducing or completely terminating the power to the antenna when maintenance workers are in danger from electromagnetic radiation emanating from the antenna.

Certification

This technical statement was prepared by William T. Godfrey, Telecommunications Consultant with Kessler and Gehman Associates, Inc. having offices in Gainesville, Florida and has been working in the field of radio and television broadcast consulting since 1998. He graduated from the University of North Florida with a Bachelor of Arts degree in Criminal Justice and a minor in Mathematics in 1993. As a Professional in the field of Telecommunications he states under penalty of perjury that the information contained in this report is true and correct to the best of his knowledge and belief.



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A handwritten signature in blue ink, reading 'William T. Godfrey, Jr.', is written over a horizontal line.

WILLIAM T. GODFREY, JR.
Telecommunications Technical Consultant

8 March, 2008

WDIQ-DT CHANNEL 10 POST-TRANSITION DTV FACILITY

DOZIER, ALABAMA

ENGINEERING SPECIFICATIONS

A. Transmitter Site:

Geographic coordinates (NAD 27):

North Latitude 31° 33' 16"

West Longitude 86° 23' 32"

Transmitter Site Location: **Located off of Mervillis Mill Road
Dozier, AL**

B. Main Studio Site:

Street Address **2112 11TH Avenue South, Birmingham, AL 35205**

C. Post-Transition Facility:

DTV Channel Number 10
Frequency 192 - 198 MHz
Offset N/A

D. Antenna Height:

Height of Site Above Mean Sea Level (AMSL) 153.9 M
Overall Height of Structure Above Ground 190.5 M
(including all appurtenances)
Overall Height of Structure Above Mean Sea Level 344.4 M
(including all appurtenances)
Height of Site Above Average Terrain 43.3 M
Antenna Height Radiation Center (R/C) Above Ground 181.5 M
Antenna Height R/C Above Average Terrain 224.8 M
Antenna Height R/C Above Mean Sea Level 335.4 M
Average of All Non-Odd Radials 110.6 M

E. System Parameters – Horizontal Polarization:

Transmitter Power Required 1.7 kW
Maximum Power Input to Antenna 1.4 kW
Transmission Line Loss 0.86 dB
Transmission Line Efficiency 82.1%
Maximum Antenna Gain in Beam Maximum 9.54 dB
Maximum Antenna Gain in Horizontal Plane 9.34 dB
Maximum Effective Radiated Power 10.90 dBk
In Beam Maximum 12.3 kW
Maximum Effective Radiated Power 10.70 dBk
In Horizontal Plane 11.7 kW

WDIQ-DT CHANNEL 10 POST-TRANSITION DTV FACILITY

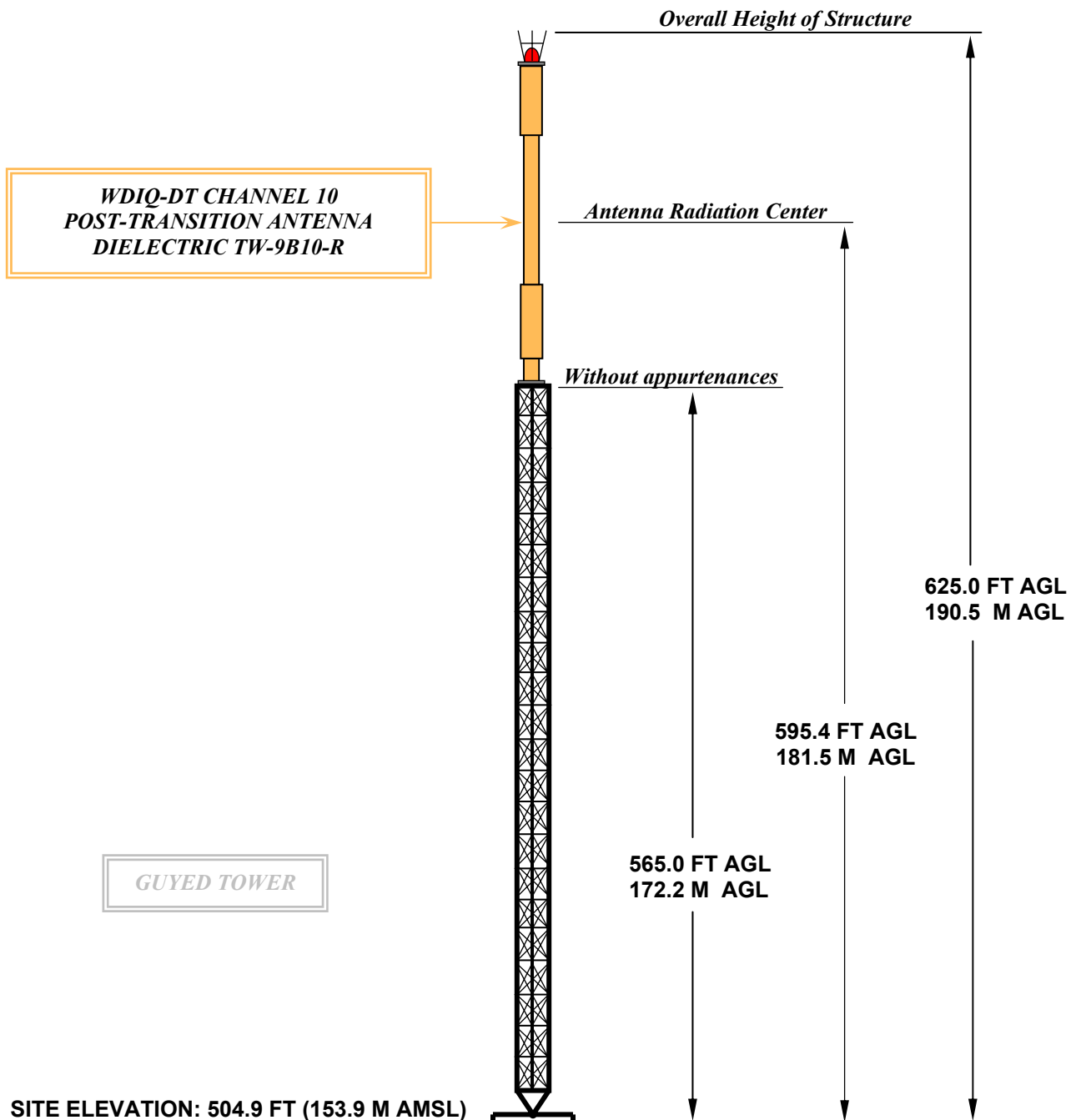
DOZIER, ALABAMA

DATA FOR PROPOSED NONDIRECTIONAL TRANSMITTING ANTENNA

- A. **Antenna:** Dielectric Model TW-9B10-R, horizontally polarized, nondirectional, top-mount antenna.
- B. **Electrical Beam Tilt:** 0.75 degrees
- C. **Mechanical Beam Tilt:** None
- D.

<u>Peak Directional Gain</u>	<u>Horizontal Polarization</u>
Maximum:	9.0 (9.54 dBd)
Horizontal:	8.6 (9.34 dBd)
- E. **Length:** 54.5 feet (16.6 meters) not including appurtenances.
- F. **Transmitter Power Output (TPO):** 1.7 kW
- G. **Transmission Line:** 3-1/8" 50-ohm EIA/DCA
- H. **Transmission Line Efficiency:** 82.1%
- I. **Transmission Line Length:** 620 feet (189 meters)
- J. **Transmission Line Loss:** 0.139 dB/100 ft
- K. **Transmission Line Attenuation:** 0.86 dB

WDIQ-DT POST-TRANSITION ELEVATION VIEW



OVERALL HEIGHT AGL:	190.5 M
OVERALL HEIGHT AMSL:	344.4 M
RADIATION CENTER AGL:	181.5 M
RADIATION CENTER AMSL:	335.4 M
RADIATION CENTER HAAT:	224.8 M
AVG OF ALL NON-ODD RADIALS:	110.6 M
SITE HAAT:	43.3 M

COORDINATES (NAD 27):

N. LATITUDE 31° 33' 16"

W. LONGITUDE 86° 23' 32"

Antenna Structure Registration Number:
1231615

NOTE: NOT TO SCALE

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WDIQ-DT CHANNEL 10

DOZIER, ALABAMA

20080307

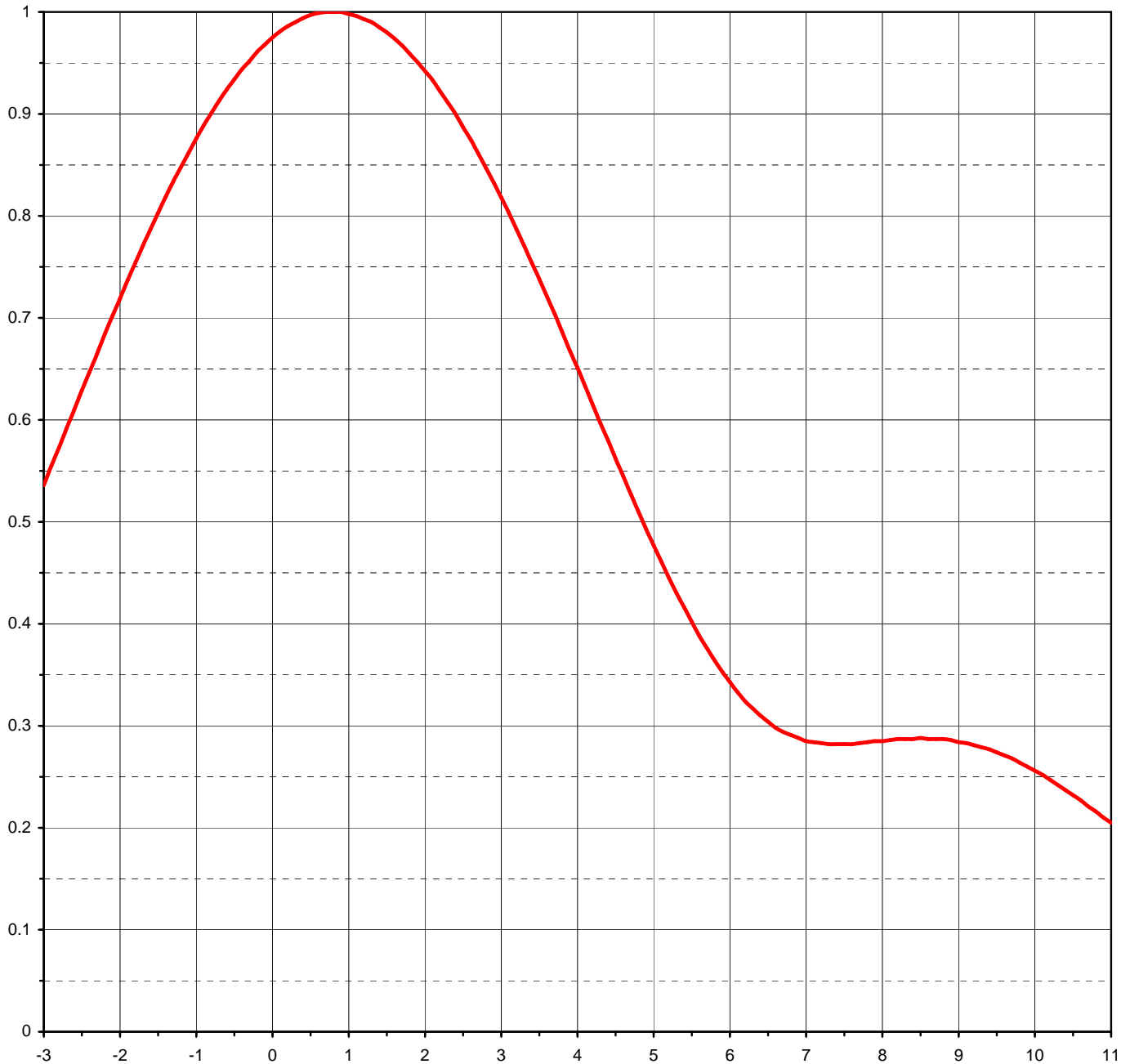
EXHIBIT 3



Proposal Number	C-02350	
Date	19-Feb-08	
Call Letters	WDIQ-DT	Channel 10
Location	Dozier, AL	
Customer	Alabama Public TV	
Antenna Type	TW-9B10-R	

ELEVATION PATTERN

RMS Gain at Main Lobe	9.00 (9.54 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	8.60 (9.34 dB)	Frequency	195.00 MHz
Calculated / Measured	Calculated	Drawing #	19W090075



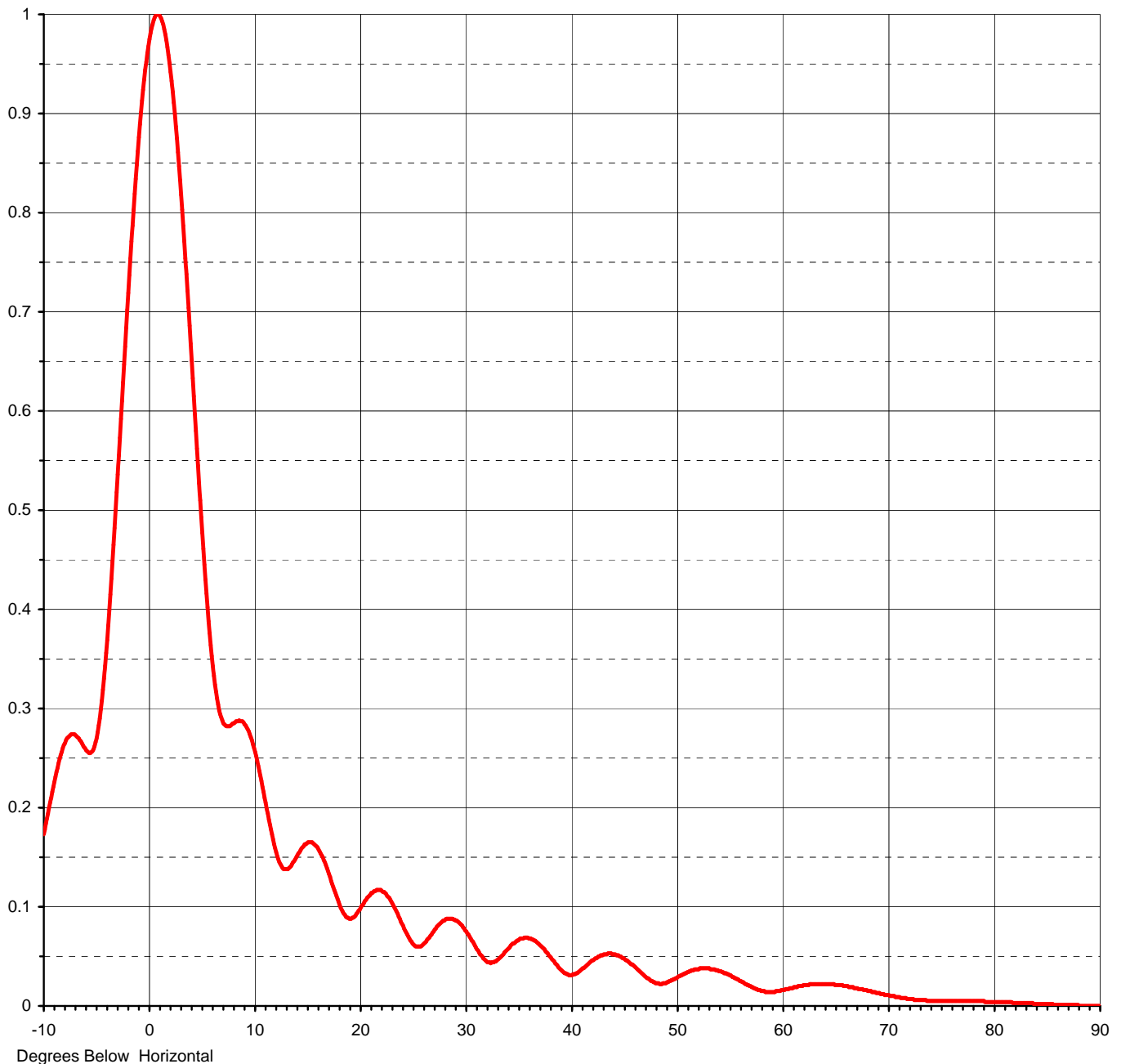
Degrees Below Horizontal



Proposal Number	C-02350	
Date	19-Feb-08	
Call Letters	WDIQ-DT	Channel 10
Location	Dozier, AL	
Customer	Alabama Public TV	
Antenna Type	TW-9B10-R	

ELEVATION PATTERN

RMS Gain at Main Lobe	9.00 (9.54 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	8.60 (9.34 dB)	Frequency	195.00 MHz
Calculated / Measured	Calculated	Drawing #	19W090075-90



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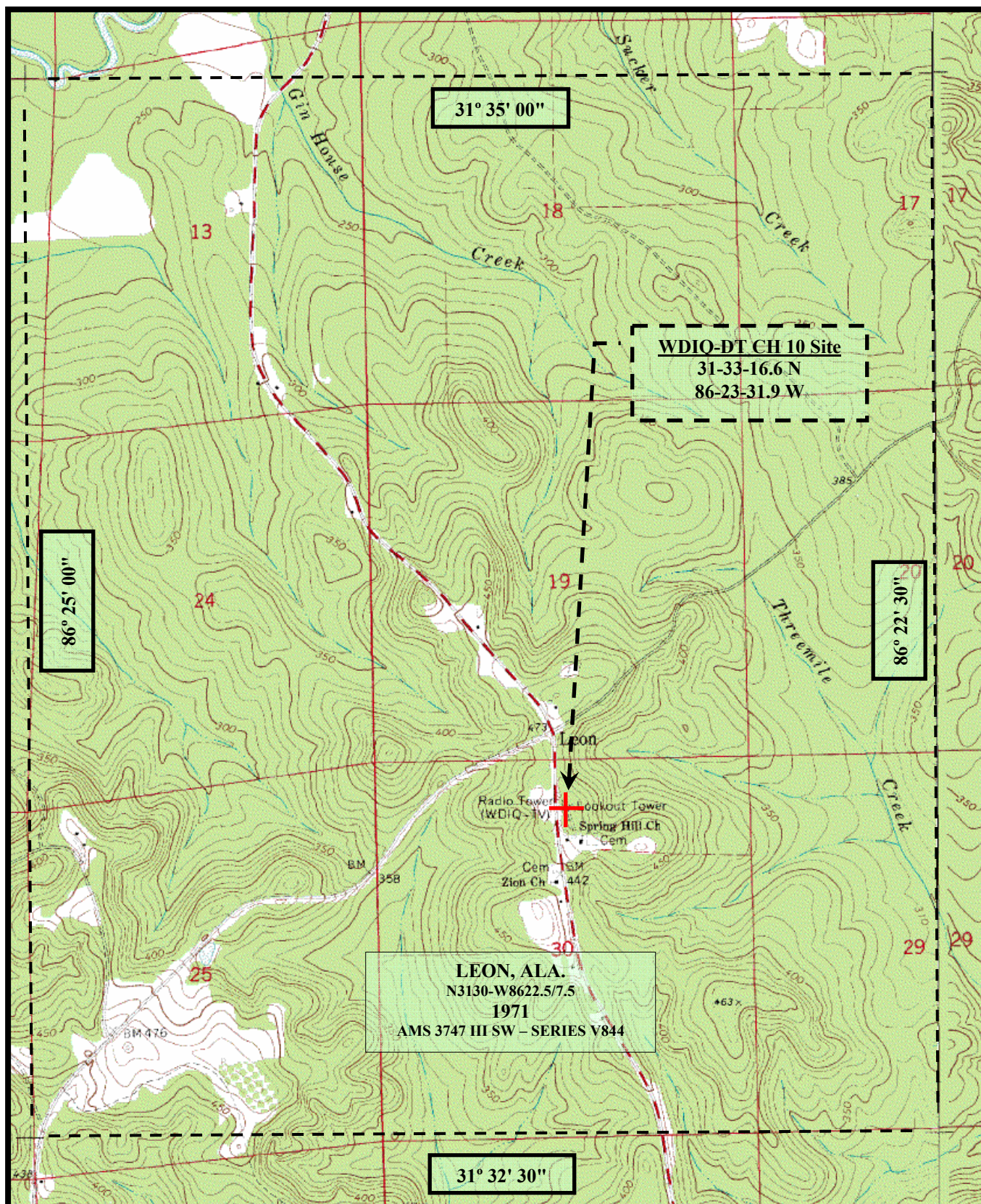
Proposal Number **C-02350**
Date **19-Feb-08**
Call Letters **WDIQ-DT** Channel **10**
Location **Dozier, AL**
Customer **Alabama Public TV**
Antenna Type **TW-9B10-R**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **19W090075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.173	2.4	0.900	10.6	0.232	30.5	0.068	51.0	0.034	71.5	0.008
-9.5	0.200	2.6	0.875	10.8	0.221	31.0	0.059	51.5	0.036	72.0	0.007
-9.0	0.226	2.8	0.847	11.0	0.210	31.5	0.051	52.0	0.037	72.5	0.006
-8.5	0.249	3.0	0.818	11.5	0.183	32.0	0.045	52.5	0.038	73.0	0.006
-8.0	0.265	3.2	0.787	12.0	0.159	32.5	0.044	53.0	0.038	73.5	0.006
-7.5	0.273	3.4	0.754	12.5	0.143	33.0	0.046	53.5	0.037	74.0	0.005
-7.0	0.273	3.6	0.721	13.0	0.138	33.5	0.051	54.0	0.035	74.5	0.005
-6.5	0.267	3.8	0.686	13.5	0.141	34.0	0.057	54.5	0.033	75.0	0.005
-6.0	0.258	4.0	0.651	14.0	0.150	34.5	0.063	55.0	0.031	75.5	0.005
-5.5	0.256	4.2	0.615	14.5	0.159	35.0	0.066	55.5	0.028	76.0	0.005
-5.0	0.270	4.4	0.580	15.0	0.164	35.5	0.068	56.0	0.025	76.5	0.005
-4.5	0.308	4.6	0.545	15.5	0.165	36.0	0.068	56.5	0.022	77.0	0.005
-4.0	0.369	4.8	0.510	16.0	0.160	36.5	0.066	57.0	0.020	77.5	0.005
-3.5	0.448	5.0	0.477	16.5	0.150	37.0	0.062	57.5	0.017	78.0	0.005
-3.0	0.536	5.2	0.445	17.0	0.136	37.5	0.057	58.0	0.015	78.5	0.005
-2.8	0.573	5.4	0.416	17.5	0.120	38.0	0.050	58.5	0.014	79.0	0.005
-2.6	0.610	5.6	0.388	18.0	0.105	38.5	0.043	59.0	0.014	79.5	0.004
-2.4	0.647	5.8	0.364	18.5	0.093	39.0	0.037	59.5	0.015	80.0	0.004
-2.2	0.684	6.0	0.343	19.0	0.088	39.5	0.033	60.0	0.016	80.5	0.004
-2.0	0.719	6.2	0.324	19.5	0.090	40.0	0.031	60.5	0.017	81.0	0.004
-1.8	0.754	6.4	0.310	20.0	0.097	40.5	0.033	61.0	0.018	81.5	0.004
-1.6	0.787	6.6	0.298	20.5	0.106	41.0	0.037	61.5	0.020	82.0	0.003
-1.4	0.819	6.8	0.291	21.0	0.112	41.5	0.041	62.0	0.021	82.5	0.003
-1.2	0.848	7.0	0.285	21.5	0.116	42.0	0.046	62.5	0.021	83.0	0.003
-1.0	0.876	7.2	0.283	22.0	0.117	42.5	0.049	63.0	0.022	83.5	0.003
-0.8	0.901	7.4	0.282	22.5	0.113	43.0	0.051	63.5	0.022	84.0	0.002
-0.6	0.924	7.6	0.282	23.0	0.105	43.5	0.053	64.0	0.022	84.5	0.002
-0.4	0.944	7.8	0.284	23.5	0.095	44.0	0.052	64.5	0.022	85.0	0.002
-0.2	0.961	8.0	0.285	24.0	0.083	44.5	0.051	65.0	0.021	85.5	0.002
0.0	0.975	8.2	0.287	24.5	0.072	45.0	0.048	65.5	0.021	86.0	0.001
0.2	0.986	8.4	0.287	25.0	0.063	45.5	0.044	66.0	0.020	86.5	0.001
0.4	0.994	8.6	0.287	25.5	0.060	46.0	0.040	66.5	0.019	87.0	0.001
0.6	0.999	8.8	0.287	26.0	0.062	46.5	0.035	67.0	0.018	87.5	0.001
0.8	1.000	9.0	0.284	26.5	0.068	47.0	0.030	67.5	0.017	88.0	0.000
1.0	0.998	9.2	0.281	27.0	0.075	47.5	0.026	68.0	0.015	88.5	0.000
1.2	0.993	9.4	0.277	27.5	0.082	48.0	0.023	68.5	0.014	89.0	0.000
1.4	0.985	9.6	0.271	28.0	0.086	48.5	0.022	69.0	0.013	89.5	0.000
1.6	0.974	9.8	0.268	28.5	0.088	49.0	0.023	69.5	0.012	90.0	0.000
1.8	0.959	10.0	0.260	29.0	0.087	49.5	0.026	70.0	0.011		
2.0	0.942	10.2	0.252	29.5	0.083	50.0	0.028	70.5	0.010		
2.2	0.922	10.4	0.242	30.0	0.076	50.5	0.031	71.0	0.009		

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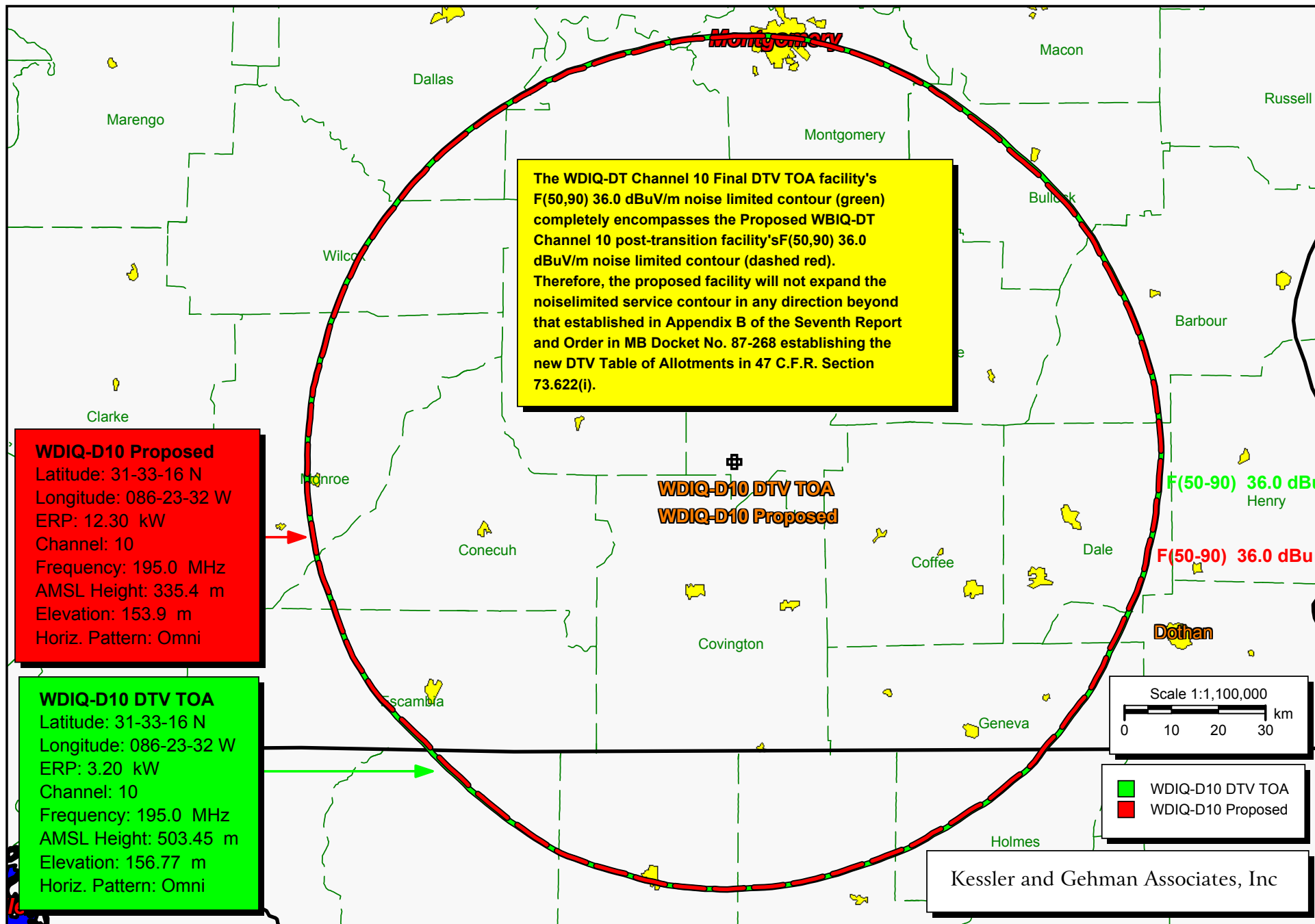


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WDIQ-DT CHANNEL 10
 DOZIER, ALABAMA

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EXHIBIT 7



WDIQ-DT CH 10 DTV TOA F(50,90) 36 dBu Contour (Green) vs. Proposed F(50,90) 36 dBu Contour (Red dashed) EXHIBIT 8

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

Call Letters: WDIQ-D10 DTV TOA
Latitude: 31-33-16 N
Longitude: 086-23-32 W
ERP: 3.20 kW
Channel: 10
Frequency: 195.0 MHz
AMSL Height: 503.45 m
Elevation: 156.77 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 90.0 %
of Radials Calculated: 360
Field Strength: 36.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	90.7	398.8
1.0	90.7	399.0
2.0	90.7	399.3
3.0	90.8	401.0
4.0	90.8	401.8
5.0	90.9	402.5
6.0	90.9	402.5
7.0	90.9	403.3
8.0	91.0	404.8
9.0	91.1	405.2
10.0	91.0	404.7
11.0	90.9	403.0
12.0	90.9	402.3
13.0	90.8	401.9
14.0	90.8	400.4
15.0	90.7	399.6
16.0	90.7	399.8
17.0	90.7	399.1
18.0	90.6	397.7
19.0	90.5	396.8
20.0	90.4	395.4
21.0	90.3	393.7
22.0	90.3	393.2
23.0	90.2	392.3
24.0	90.2	391.3
25.0	90.1	390.9
26.0	90.0	389.2
27.0	90.0	388.7
28.0	89.9	387.8
29.0	89.8	385.0
30.0	89.8	385.2
31.0	89.6	383.2
32.0	89.5	381.4
33.0	89.4	380.0
34.0	89.3	378.5
35.0	89.3	378.2

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

36.0	89.2	377.1
37.0	89.2	377.3
38.0	89.2	377.3
39.0	89.2	376.4
40.0	89.1	375.2
41.0	88.9	373.1
42.0	88.8	372.1
43.0	88.9	372.8
44.0	89.0	374.6
45.0	89.1	375.6
46.0	89.2	377.4
47.0	89.3	378.8
48.0	89.3	378.6
49.0	89.3	378.7
50.0	89.4	380.3
51.0	89.5	382.0
52.0	89.7	384.2
53.0	89.8	385.5
54.0	89.8	385.7
55.0	89.7	384.7
56.0	89.8	385.1
57.0	89.8	386.1
58.0	89.9	387.8
59.0	89.9	387.0
60.0	89.7	384.9
61.0	89.7	384.3
62.0	89.7	384.1
63.0	89.8	385.2
64.0	89.8	385.3
65.0	89.8	385.6
66.0	89.8	386.2
67.0	90.0	388.3
68.0	90.1	389.8
69.0	90.2	391.6
70.0	90.2	392.0
71.0	90.3	393.0
72.0	90.3	393.7
73.0	90.4	394.7
74.0	90.4	395.4
75.0	90.5	396.5
76.0	90.5	396.7
77.0	90.6	398.1
78.0	90.7	399.8
79.0	90.8	401.1
80.0	90.9	402.4
81.0	90.8	400.9
82.0	90.8	400.9
83.0	90.8	400.7
84.0	90.7	400.3
85.0	90.8	401.1
86.0	90.8	401.3
87.0	90.9	402.2
88.0	90.9	402.4
89.0	90.8	401.9
90.0	90.7	400.1
91.0	90.6	398.2

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

92.0	90.5	396.6
93.0	90.5	396.5
94.0	90.5	396.9
95.0	90.4	394.1
96.0	90.3	393.5
97.0	90.4	395.2
98.0	90.4	395.0
99.0	90.4	394.2
100.0	90.2	392.2
101.0	90.2	391.3
102.0	90.1	389.6
103.0	90.1	391.0
104.0	90.3	393.1
105.0	90.3	392.7
106.0	90.2	391.9
107.0	90.2	391.1
108.0	90.1	390.9
109.0	90.0	388.5
110.0	89.8	385.9
111.0	89.7	384.8
112.0	89.7	384.0
113.0	89.7	384.1
114.0	89.6	383.5
115.0	89.6	382.9
116.0	89.5	381.7
117.0	89.5	381.0
118.0	89.7	384.2
119.0	89.9	386.6
120.0	89.9	386.8
121.0	89.9	387.2
122.0	90.0	388.9
123.0	90.0	389.1
124.0	90.0	388.8
125.0	89.8	386.1
126.0	89.8	386.0
127.0	89.8	385.1
128.0	89.8	385.7
129.0	89.9	387.2
130.0	90.0	388.2
131.0	89.9	387.2
132.0	89.8	386.4
133.0	89.9	387.7
134.0	90.1	390.9
135.0	90.4	394.3
136.0	90.4	394.8
137.0	90.3	393.9
138.0	90.1	391.0
139.0	90.0	389.4
140.0	90.1	389.8
141.0	90.1	390.2
142.0	90.1	390.4
143.0	90.2	391.0
144.0	90.1	389.8
145.0	89.8	386.3
146.0	89.7	384.8
147.0	89.8	385.1

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

148.0	89.8	386.3
149.0	89.9	386.6
150.0	89.9	387.3
151.0	89.8	386.1
152.0	89.8	385.3
153.0	90.0	388.3
154.0	90.0	389.3
155.0	90.1	390.3
156.0	90.1	390.2
157.0	90.0	389.5
158.0	90.0	389.1
159.0	90.0	388.3
160.0	90.0	389.2
161.0	90.0	389.3
162.0	90.0	388.8
163.0	90.0	389.0
164.0	90.0	389.5
165.0	90.2	391.2
166.0	90.3	392.8
167.0	90.3	393.1
168.0	90.3	394.0
169.0	90.5	395.7
170.0	90.5	396.4
171.0	90.6	397.9
172.0	90.6	398.4
173.0	90.7	399.0
174.0	90.7	399.8
175.0	90.8	400.4
176.0	90.7	400.2
177.0	90.7	399.7
178.0	90.7	399.5
179.0	90.8	400.7
180.0	90.8	401.9
181.0	91.0	404.0
182.0	91.0	404.2
183.0	90.9	402.9
184.0	91.0	404.4
185.0	91.0	404.4
186.0	91.0	404.3
187.0	91.1	405.4
188.0	91.1	405.5
189.0	91.1	406.0
190.0	91.1	405.3
191.0	91.0	403.7
192.0	91.0	404.4
193.0	90.9	403.0
194.0	90.8	400.6
195.0	90.7	399.2
196.0	90.7	400.3
197.0	90.8	400.8
198.0	90.8	401.3
199.0	90.9	402.5
200.0	90.9	402.5
201.0	90.9	402.6
202.0	90.9	403.3
203.0	91.0	405.1

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

204.0	91.0	405.0
205.0	90.9	402.8
206.0	90.8	400.7
207.0	90.6	398.4
208.0	90.5	397.0
209.0	90.4	394.6
210.0	90.2	392.0
211.0	90.1	390.3
212.0	90.1	389.8
213.0	90.0	388.1
214.0	89.8	386.0
215.0	89.7	384.5
216.0	89.6	383.4
217.0	89.5	381.8
218.0	89.5	381.5
219.0	89.5	381.2
220.0	89.3	378.1
221.0	89.2	376.7
222.0	89.2	376.8
223.0	89.2	377.3
224.0	89.2	377.1
225.0	89.2	376.7
226.0	89.2	377.1
227.0	89.1	375.3
228.0	89.1	375.1
229.0	89.2	377.4
230.0	89.4	379.2
231.0	89.5	381.4
232.0	89.7	383.7
233.0	89.9	386.9
234.0	90.0	388.1
235.0	90.2	391.7
236.0	90.5	396.7
237.0	90.7	398.9
238.0	90.8	401.3
239.0	90.8	401.7
240.0	90.8	401.9
241.0	90.9	402.7
242.0	91.0	404.7
243.0	91.1	406.3
244.0	91.0	404.7
245.0	91.0	404.0
246.0	90.9	402.2
247.0	90.8	401.4
248.0	90.7	400.2
249.0	90.7	399.8
250.0	90.7	398.8
251.0	90.6	398.2
252.0	90.7	398.8
253.0	90.7	400.3
254.0	90.9	402.9
255.0	91.0	404.2
256.0	90.9	403.3
257.0	91.0	404.2
258.0	91.0	404.2
259.0	90.9	403.3

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

260.0	90.9	403.3
261.0	90.9	402.9
262.0	90.9	403.2
263.0	91.0	403.8
264.0	90.9	403.3
265.0	91.0	404.1
266.0	91.0	404.6
267.0	91.0	403.9
268.0	90.9	403.2
269.0	90.8	401.1
270.0	90.8	400.5
271.0	90.8	401.3
272.0	90.8	401.2
273.0	90.8	400.9
274.0	90.8	400.5
275.0	90.8	400.4
276.0	90.7	399.6
277.0	90.8	400.8
278.0	90.8	401.4
279.0	90.8	401.4
280.0	90.9	403.1
281.0	90.8	400.6
282.0	90.8	400.5
283.0	90.6	398.5
284.0	90.7	398.8
285.0	90.6	397.2
286.0	90.5	397.2
287.0	90.6	398.5
288.0	90.7	399.9
289.0	90.8	400.4
290.0	90.7	399.9
291.0	90.7	400.2
292.0	90.7	400.3
293.0	90.8	401.0
294.0	90.8	401.3
295.0	90.8	401.2
296.0	90.8	400.4
297.0	90.8	401.1
298.0	90.9	402.2
299.0	90.9	402.4
300.0	90.8	401.3
301.0	90.7	400.0
302.0	90.7	399.0
303.0	90.7	399.0
304.0	90.7	398.8
305.0	90.6	398.3
306.0	90.5	396.9
307.0	90.4	395.1
308.0	90.5	395.9
309.0	90.5	396.4
310.0	90.6	397.3
311.0	90.5	397.1
312.0	90.5	396.5
313.0	90.4	394.8
314.0	90.5	395.8
315.0	90.5	396.1

Distance to Contour Values for WDIQ-DT Channel 10 Final DTV TOA Facility

316.0	90.5	396.4
317.0	90.5	396.4
318.0	90.4	395.6
319.0	90.4	394.6
320.0	90.4	394.1
321.0	90.3	393.7
322.0	90.3	392.9
323.0	90.2	392.5
324.0	90.2	392.5
325.0	90.2	392.3
326.0	90.2	391.4
327.0	90.2	391.2
328.0	90.0	389.3
329.0	90.1	389.9
330.0	90.1	390.5
331.0	90.0	389.5
332.0	90.1	389.6
333.0	90.2	391.5
334.0	90.2	392.5
335.0	90.1	390.2
336.0	90.1	391.0
337.0	90.3	392.9
338.0	90.1	390.7
339.0	89.9	387.3
340.0	89.9	388.0
341.0	90.0	388.9
342.0	90.0	388.9
343.0	90.0	389.4
344.0	90.1	389.6
345.0	90.0	389.0
346.0	89.9	387.3
347.0	89.9	386.9
348.0	90.0	388.5
349.0	90.1	390.4
350.0	90.2	391.5
351.0	90.3	393.2
352.0	90.4	394.5
353.0	90.4	395.5
354.0	90.5	396.1
355.0	90.5	395.9
356.0	90.4	394.9
357.0	90.5	396.0
358.0	90.5	396.1
359.0	90.5	396.6

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

Call Letters: WDIQ-D10 Proposed
Latitude: 31-33-16 N
Longitude: 086-23-32 W
ERP: 12.30 kW
Channel: 10
Frequency: 195.0 MHz
AMSL Height: 335.4 m
Elevation: 153.9 m
Horiz. Antenna Pattern: Omni

Type of contour: FCC
Location Variability: 50.0 %
Time Variability: 90.0 %
of Radials Calculated: 360
Field Strength: 36.00 dBuV/m

Primary Terrain: 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
-----	-----	-----
0.0	90.5	230.7
1.0	90.5	231.0
2.0	90.6	231.3
3.0	90.7	233.0
4.0	90.7	233.8
5.0	90.8	234.4
6.0	90.8	234.4
7.0	90.9	235.2
8.0	91.0	236.8
9.0	91.0	237.1
10.0	90.9	236.6
11.0	90.8	234.9
12.0	90.8	234.3
13.0	90.8	233.9
14.0	90.6	232.4
15.0	90.6	231.5
16.0	90.6	231.7
17.0	90.5	231.0
18.0	90.4	229.6
19.0	90.4	228.8
20.0	90.3	227.4
21.0	90.1	225.7
22.0	90.1	225.1
23.0	90.0	224.3
24.0	90.0	223.3
25.0	89.9	222.8
26.0	89.8	221.2
27.0	89.7	220.6
28.0	89.7	219.7
29.0	89.5	217.0
30.0	89.5	217.1
31.0	89.3	215.2
32.0	89.2	213.3
33.0	89.0	212.0
34.0	88.9	210.4
35.0	88.9	210.1
36.0	88.8	209.0

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

37.0	88.8	209.2
38.0	88.8	209.2
39.0	88.8	208.4
40.0	88.7	207.2
41.0	88.5	205.0
42.0	88.4	204.0
43.0	88.5	204.7
44.0	88.6	206.5
45.0	88.7	207.6
46.0	88.8	209.4
47.0	89.0	210.8
48.0	88.9	210.5
49.0	88.9	210.7
50.0	89.1	212.3
51.0	89.2	214.0
52.0	89.4	216.1
53.0	89.5	217.5
54.0	89.5	217.7
55.0	89.4	216.6
56.0	89.5	217.0
57.0	89.5	218.0
58.0	89.7	219.7
59.0	89.6	218.9
60.0	89.4	216.8
61.0	89.4	216.3
62.0	89.4	216.0
63.0	89.5	217.1
64.0	89.5	217.2
65.0	89.5	217.6
66.0	89.6	218.1
67.0	89.7	220.3
68.0	89.8	221.8
69.0	90.0	223.5
70.0	90.0	224.0
71.0	90.1	225.0
72.0	90.1	225.6
73.0	90.2	226.7
74.0	90.3	227.3
75.0	90.4	228.4
76.0	90.4	228.6
77.0	90.5	230.0
78.0	90.6	231.8
79.0	90.7	233.1
80.0	90.8	234.3
81.0	90.7	232.9
82.0	90.7	232.8
83.0	90.7	232.6
84.0	90.6	232.2
85.0	90.7	233.0
86.0	90.7	233.2
87.0	90.8	234.1
88.0	90.8	234.3
89.0	90.7	233.8
90.0	90.6	232.0
91.0	90.5	230.2
92.0	90.4	228.5
93.0	90.4	228.5

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

94.0	90.4	228.8
95.0	90.2	226.1
96.0	90.1	225.5
97.0	90.3	227.2
98.0	90.2	227.0
99.0	90.2	226.2
100.0	90.0	224.2
101.0	90.0	223.3
102.0	89.8	221.5
103.0	89.9	222.9
104.0	90.1	225.1
105.0	90.1	224.7
106.0	90.0	223.9
107.0	89.9	223.1
108.0	89.9	222.8
109.0	89.7	220.4
110.0	89.5	217.9
111.0	89.4	216.8
112.0	89.4	216.0
113.0	89.4	216.0
114.0	89.3	215.4
115.0	89.3	214.8
116.0	89.2	213.7
117.0	89.1	213.0
118.0	89.4	216.1
119.0	89.6	218.5
120.0	89.6	218.8
121.0	89.6	219.2
122.0	89.8	220.8
123.0	89.8	221.1
124.0	89.8	220.7
125.0	89.5	218.1
126.0	89.5	218.0
127.0	89.5	217.0
128.0	89.5	217.7
129.0	89.6	219.2
130.0	89.7	220.2
131.0	89.6	219.2
132.0	89.6	218.4
133.0	89.7	219.7
134.0	89.9	222.9
135.0	90.2	226.3
136.0	90.2	226.8
137.0	90.2	225.9
138.0	89.9	223.0
139.0	89.8	221.4
140.0	89.8	221.8
141.0	89.9	222.2
142.0	89.9	222.3
143.0	89.9	223.0
144.0	89.8	221.8
145.0	89.6	218.3
146.0	89.4	216.7
147.0	89.5	217.0
148.0	89.6	218.3
149.0	89.6	218.6
150.0	89.6	219.3

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

151.0	89.5	218.1
152.0	89.5	217.3
153.0	89.7	220.2
154.0	89.8	221.2
155.0	89.9	222.2
156.0	89.9	222.2
157.0	89.8	221.4
158.0	89.8	221.0
159.0	89.7	220.3
160.0	89.8	221.2
161.0	89.8	221.2
162.0	89.8	220.8
163.0	89.8	221.0
164.0	89.8	221.4
165.0	89.9	223.2
166.0	90.1	224.7
167.0	90.1	225.0
168.0	90.2	226.0
169.0	90.3	227.7
170.0	90.3	228.4
171.0	90.5	229.9
172.0	90.5	230.3
173.0	90.5	230.9
174.0	90.6	231.7
175.0	90.6	232.4
176.0	90.6	232.2
177.0	90.6	231.6
178.0	90.6	231.4
179.0	90.7	232.7
180.0	90.8	233.8
181.0	90.9	235.9
182.0	90.9	236.1
183.0	90.8	234.9
184.0	90.9	236.4
185.0	90.9	236.3
186.0	90.9	236.3
187.0	91.0	237.4
188.0	91.0	237.5
189.0	91.0	237.9
190.0	91.0	237.2
191.0	90.9	235.6
192.0	90.9	236.3
193.0	90.8	235.0
194.0	90.7	232.5
195.0	90.6	231.1
196.0	90.6	232.2
197.0	90.7	232.8
198.0	90.7	233.3
199.0	90.8	234.5
200.0	90.8	234.5
201.0	90.8	234.5
202.0	90.8	235.2
203.0	91.0	237.0
204.0	91.0	237.0
205.0	90.8	234.7
206.0	90.7	232.7
207.0	90.5	230.3

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

208.0	90.4	229.0
209.0	90.2	226.5
210.0	90.0	224.0
211.0	89.9	222.2
212.0	89.8	221.8
213.0	89.7	220.1
214.0	89.5	217.9
215.0	89.4	216.5
216.0	89.3	215.4
217.0	89.2	213.8
218.0	89.2	213.4
219.0	89.1	213.1
220.0	88.9	210.0
221.0	88.8	208.7
222.0	88.8	208.7
223.0	88.8	209.3
224.0	88.8	209.1
225.0	88.8	208.6
226.0	88.8	209.1
227.0	88.7	207.2
228.0	88.6	207.1
229.0	88.8	209.3
230.0	89.0	211.2
231.0	89.2	213.3
232.0	89.4	215.7
233.0	89.6	218.8
234.0	89.7	220.0
235.0	90.0	223.6
236.0	90.4	228.6
237.0	90.5	230.8
238.0	90.7	233.2
239.0	90.7	233.6
240.0	90.8	233.9
241.0	90.8	234.7
242.0	91.0	236.7
243.0	91.1	238.3
244.0	91.0	236.7
245.0	90.9	236.0
246.0	90.8	234.2
247.0	90.7	233.3
248.0	90.6	232.2
249.0	90.6	231.7
250.0	90.5	230.8
251.0	90.5	230.2
252.0	90.5	230.8
253.0	90.6	232.3
254.0	90.8	234.8
255.0	90.9	236.1
256.0	90.8	235.2
257.0	90.9	236.2
258.0	90.9	236.1
259.0	90.9	235.3
260.0	90.9	235.3
261.0	90.8	234.9
262.0	90.8	235.1
263.0	90.9	235.8
264.0	90.8	235.2

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

265.0	90.9	236.1
266.0	90.9	236.5
267.0	90.9	235.9
268.0	90.8	235.2
269.0	90.7	233.1
270.0	90.7	232.5
271.0	90.7	233.3
272.0	90.7	233.2
273.0	90.7	232.9
274.0	90.6	232.4
275.0	90.6	232.4
276.0	90.6	231.6
277.0	90.7	232.7
278.0	90.7	233.4
279.0	90.7	233.4
280.0	90.8	235.1
281.0	90.7	232.6
282.0	90.7	232.5
283.0	90.5	230.4
284.0	90.5	230.8
285.0	90.4	229.2
286.0	90.4	229.1
287.0	90.5	230.4
288.0	90.6	231.9
289.0	90.6	232.3
290.0	90.6	231.8
291.0	90.6	232.1
292.0	90.6	232.3
293.0	90.7	232.9
294.0	90.7	233.3
295.0	90.7	233.2
296.0	90.6	232.4
297.0	90.7	233.1
298.0	90.8	234.2
299.0	90.8	234.3
300.0	90.7	233.3
301.0	90.6	232.0
302.0	90.5	231.0
303.0	90.5	230.9
304.0	90.5	230.8
305.0	90.5	230.2
306.0	90.4	228.8
307.0	90.3	227.1
308.0	90.3	227.8
309.0	90.3	228.3
310.0	90.4	229.2
311.0	90.4	229.1
312.0	90.4	228.4
313.0	90.2	226.8
314.0	90.3	227.7
315.0	90.3	228.0
316.0	90.3	228.3
317.0	90.3	228.4
318.0	90.3	227.6
319.0	90.2	226.5
320.0	90.2	226.1
321.0	90.1	225.7

Distance to Contour Values for WDIQ-DT Channel 10 Proposed Facility

322.0	90.1	224.9
323.0	90.0	224.4
324.0	90.1	224.5
325.0	90.0	224.2
326.0	90.0	223.3
327.0	89.9	223.1
328.0	89.8	221.3
329.0	89.8	221.8
330.0	89.9	222.5
331.0	89.8	221.4
332.0	89.8	221.6
333.0	90.0	223.4
334.0	90.1	224.5
335.0	89.9	222.1
336.0	89.9	223.0
337.0	90.1	224.9
338.0	89.9	222.7
339.0	89.6	219.3
340.0	89.7	220.0
341.0	89.8	220.8
342.0	89.8	220.9
343.0	89.8	221.4
344.0	89.8	221.5
345.0	89.8	221.0
346.0	89.6	219.2
347.0	89.6	218.9
348.0	89.7	220.4
349.0	89.9	222.3
350.0	90.0	223.4
351.0	90.1	225.1
352.0	90.2	226.5
353.0	90.3	227.5
354.0	90.3	228.1
355.0	90.3	227.8
356.0	90.2	226.9
357.0	90.3	228.0
358.0	90.3	228.0
359.0	90.4	228.5

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

Radial	WDIQ-DT Final DTV TOA distance to contours (km)	WDIQ-DT Proposed distance to contours (km)	PASS OR FAIL	Difference (km)
0	90.7	90.5	PASS	0.2
1	90.7	90.5	PASS	0.2
2	90.7	90.6	PASS	0.1
3	90.8	90.7	PASS	0.1
4	90.8	90.7	PASS	0.1
5	90.9	90.8	PASS	0.1
6	90.9	90.8	PASS	0.1
7	90.9	90.9	PASS	0.0
8	91.0	91.0	PASS	0.0
9	91.1	91.0	PASS	0.1
10	91.0	90.9	PASS	0.1
11	90.9	90.8	PASS	0.1
12	90.9	90.8	PASS	0.1
13	90.8	90.8	PASS	0.0
14	90.8	90.6	PASS	0.2
15	90.7	90.6	PASS	0.1
16	90.7	90.6	PASS	0.1
17	90.7	90.5	PASS	0.2
18	90.6	90.4	PASS	0.2
19	90.5	90.4	PASS	0.1
20	90.4	90.3	PASS	0.1
21	90.3	90.1	PASS	0.2
22	90.3	90.1	PASS	0.2
23	90.2	90.0	PASS	0.2
24	90.2	90.0	PASS	0.2
25	90.1	89.9	PASS	0.2
26	90.0	89.8	PASS	0.2
27	90.0	89.7	PASS	0.3
28	89.9	89.7	PASS	0.2
29	89.8	89.5	PASS	0.3
30	89.8	89.5	PASS	0.3
31	89.6	89.3	PASS	0.3
32	89.5	89.2	PASS	0.3
33	89.4	89.0	PASS	0.4
34	89.3	88.9	PASS	0.4
35	89.3	88.9	PASS	0.4
36	89.2	88.8	PASS	0.4
37	89.2	88.8	PASS	0.4
38	89.2	88.8	PASS	0.4
39	89.2	88.8	PASS	0.4
40	89.1	88.7	PASS	0.4
41	88.9	88.5	PASS	0.4
42	88.8	88.4	PASS	0.4
43	88.9	88.5	PASS	0.4
44	89.0	88.6	PASS	0.4
45	89.1	88.7	PASS	0.4
46	89.2	88.8	PASS	0.4
47	89.3	89.0	PASS	0.3

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

48	89.3	88.9	PASS	0.4
49	89.3	88.9	PASS	0.4
50	89.4	89.1	PASS	0.3
51	89.5	89.2	PASS	0.3
52	89.7	89.4	PASS	0.3
53	89.8	89.5	PASS	0.3
54	89.8	89.5	PASS	0.3
55	89.7	89.4	PASS	0.3
56	89.8	89.5	PASS	0.3
57	89.8	89.5	PASS	0.3
58	89.9	89.7	PASS	0.2
59	89.9	89.6	PASS	0.3
60	89.7	89.4	PASS	0.3
61	89.7	89.4	PASS	0.3
62	89.7	89.4	PASS	0.3
63	89.8	89.5	PASS	0.3
64	89.8	89.5	PASS	0.3
65	89.8	89.5	PASS	0.3
66	89.8	89.6	PASS	0.2
67	90.0	89.7	PASS	0.3
68	90.1	89.8	PASS	0.3
69	90.2	90.0	PASS	0.2
70	90.2	90.0	PASS	0.2
71	90.3	90.1	PASS	0.2
72	90.3	90.1	PASS	0.2
73	90.4	90.2	PASS	0.2
74	90.4	90.3	PASS	0.1
75	90.5	90.4	PASS	0.1
76	90.5	90.4	PASS	0.1
77	90.6	90.5	PASS	0.1
78	90.7	90.6	PASS	0.1
79	90.8	90.7	PASS	0.1
80	90.9	90.8	PASS	0.1
81	90.8	90.7	PASS	0.1
82	90.8	90.7	PASS	0.1
83	90.8	90.7	PASS	0.1
84	90.7	90.6	PASS	0.1
85	90.8	90.7	PASS	0.1
86	90.8	90.7	PASS	0.1
87	90.9	90.8	PASS	0.1
88	90.9	90.8	PASS	0.1
89	90.8	90.7	PASS	0.1
90	90.7	90.6	PASS	0.1
91	90.6	90.5	PASS	0.1
92	90.5	90.4	PASS	0.1
93	90.5	90.4	PASS	0.1
94	90.5	90.4	PASS	0.1
95	90.4	90.2	PASS	0.2
96	90.3	90.1	PASS	0.2
97	90.4	90.3	PASS	0.1
98	90.4	90.2	PASS	0.2

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

99	90.4	90.2	PASS	0.2
100	90.2	90.0	PASS	0.2
101	90.2	90.0	PASS	0.2
102	90.1	89.8	PASS	0.3
103	90.1	89.9	PASS	0.2
104	90.3	90.1	PASS	0.2
105	90.3	90.1	PASS	0.2
106	90.2	90.0	PASS	0.2
107	90.2	89.9	PASS	0.3
108	90.1	89.9	PASS	0.2
109	90.0	89.7	PASS	0.3
110	89.8	89.5	PASS	0.3
111	89.7	89.4	PASS	0.3
112	89.7	89.4	PASS	0.3
113	89.7	89.4	PASS	0.3
114	89.6	89.3	PASS	0.3
115	89.6	89.3	PASS	0.3
116	89.5	89.2	PASS	0.3
117	89.5	89.1	PASS	0.4
118	89.7	89.4	PASS	0.3
119	89.9	89.6	PASS	0.3
120	89.9	89.6	PASS	0.3
121	89.9	89.6	PASS	0.3
122	90.0	89.8	PASS	0.2
123	90.0	89.8	PASS	0.2
124	90.0	89.8	PASS	0.2
125	89.8	89.5	PASS	0.3
126	89.8	89.5	PASS	0.3
127	89.8	89.5	PASS	0.3
128	89.8	89.5	PASS	0.3
129	89.9	89.6	PASS	0.3
130	90.0	89.7	PASS	0.3
131	89.9	89.6	PASS	0.3
132	89.8	89.6	PASS	0.2
133	89.9	89.7	PASS	0.2
134	90.1	89.9	PASS	0.2
135	90.4	90.2	PASS	0.2
136	90.4	90.2	PASS	0.2
137	90.3	90.2	PASS	0.1
138	90.1	89.9	PASS	0.2
139	90.0	89.8	PASS	0.2
140	90.1	89.8	PASS	0.3
141	90.1	89.9	PASS	0.2
142	90.1	89.9	PASS	0.2
143	90.2	89.9	PASS	0.3
144	90.1	89.8	PASS	0.3
145	89.8	89.6	PASS	0.2
146	89.7	89.4	PASS	0.3
147	89.8	89.5	PASS	0.3
148	89.8	89.6	PASS	0.2
149	89.9	89.6	PASS	0.3

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

150	89.9	89.6	PASS	0.3
151	89.8	89.5	PASS	0.3
152	89.8	89.5	PASS	0.3
153	90.0	89.7	PASS	0.3
154	90.0	89.8	PASS	0.2
155	90.1	89.9	PASS	0.2
156	90.1	89.9	PASS	0.2
157	90.0	89.8	PASS	0.2
158	90.0	89.8	PASS	0.2
159	90.0	89.7	PASS	0.3
160	90.0	89.8	PASS	0.2
161	90.0	89.8	PASS	0.2
162	90.0	89.8	PASS	0.2
163	90.0	89.8	PASS	0.2
164	90.0	89.8	PASS	0.2
165	90.2	89.9	PASS	0.3
166	90.3	90.1	PASS	0.2
167	90.3	90.1	PASS	0.2
168	90.3	90.2	PASS	0.1
169	90.5	90.3	PASS	0.2
170	90.5	90.3	PASS	0.2
171	90.6	90.5	PASS	0.1
172	90.6	90.5	PASS	0.1
173	90.7	90.5	PASS	0.2
174	90.7	90.6	PASS	0.1
175	90.8	90.6	PASS	0.2
176	90.7	90.6	PASS	0.1
177	90.7	90.6	PASS	0.1
178	90.7	90.6	PASS	0.1
179	90.8	90.7	PASS	0.1
180	90.8	90.8	PASS	0.0
181	91.0	90.9	PASS	0.1
182	91.0	90.9	PASS	0.1
183	90.9	90.8	PASS	0.1
184	91.0	90.9	PASS	0.1
185	91.0	90.9	PASS	0.1
186	91.0	90.9	PASS	0.1
187	91.1	91.0	PASS	0.1
188	91.1	91.0	PASS	0.1
189	91.1	91.0	PASS	0.1
190	91.1	91.0	PASS	0.1
191	91.0	90.9	PASS	0.1
192	91.0	90.9	PASS	0.1
193	90.9	90.8	PASS	0.1
194	90.8	90.7	PASS	0.1
195	90.7	90.6	PASS	0.1
196	90.7	90.6	PASS	0.1
197	90.8	90.7	PASS	0.1
198	90.8	90.7	PASS	0.1
199	90.9	90.8	PASS	0.1
200	90.9	90.8	PASS	0.1

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

201	90.9	90.8	PASS	0.1
202	90.9	90.8	PASS	0.1
203	91.0	91.0	PASS	0.0
204	91.0	91.0	PASS	0.0
205	90.9	90.8	PASS	0.1
206	90.8	90.7	PASS	0.1
207	90.6	90.5	PASS	0.1
208	90.5	90.4	PASS	0.1
209	90.4	90.2	PASS	0.2
210	90.2	90.0	PASS	0.2
211	90.1	89.9	PASS	0.2
212	90.1	89.8	PASS	0.3
213	90.0	89.7	PASS	0.3
214	89.8	89.5	PASS	0.3
215	89.7	89.4	PASS	0.3
216	89.6	89.3	PASS	0.3
217	89.5	89.2	PASS	0.3
218	89.5	89.2	PASS	0.3
219	89.5	89.1	PASS	0.4
220	89.3	88.9	PASS	0.4
221	89.2	88.8	PASS	0.4
222	89.2	88.8	PASS	0.4
223	89.2	88.8	PASS	0.4
224	89.2	88.8	PASS	0.4
225	89.2	88.8	PASS	0.4
226	89.2	88.8	PASS	0.4
227	89.1	88.7	PASS	0.4
228	89.1	88.6	PASS	0.5
229	89.2	88.8	PASS	0.4
230	89.4	89.0	PASS	0.4
231	89.5	89.2	PASS	0.3
232	89.7	89.4	PASS	0.3
233	89.9	89.6	PASS	0.3
234	90.0	89.7	PASS	0.3
235	90.2	90.0	PASS	0.2
236	90.5	90.4	PASS	0.1
237	90.7	90.5	PASS	0.2
238	90.8	90.7	PASS	0.1
239	90.8	90.7	PASS	0.1
240	90.8	90.8	PASS	0.0
241	90.9	90.8	PASS	0.1
242	91.0	91.0	PASS	0.0
243	91.1	91.1	PASS	0.0
244	91.0	91.0	PASS	0.0
245	91.0	90.9	PASS	0.1
246	90.9	90.8	PASS	0.1
247	90.8	90.7	PASS	0.1
248	90.7	90.6	PASS	0.1
249	90.7	90.6	PASS	0.1
250	90.7	90.5	PASS	0.2
251	90.6	90.5	PASS	0.1

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

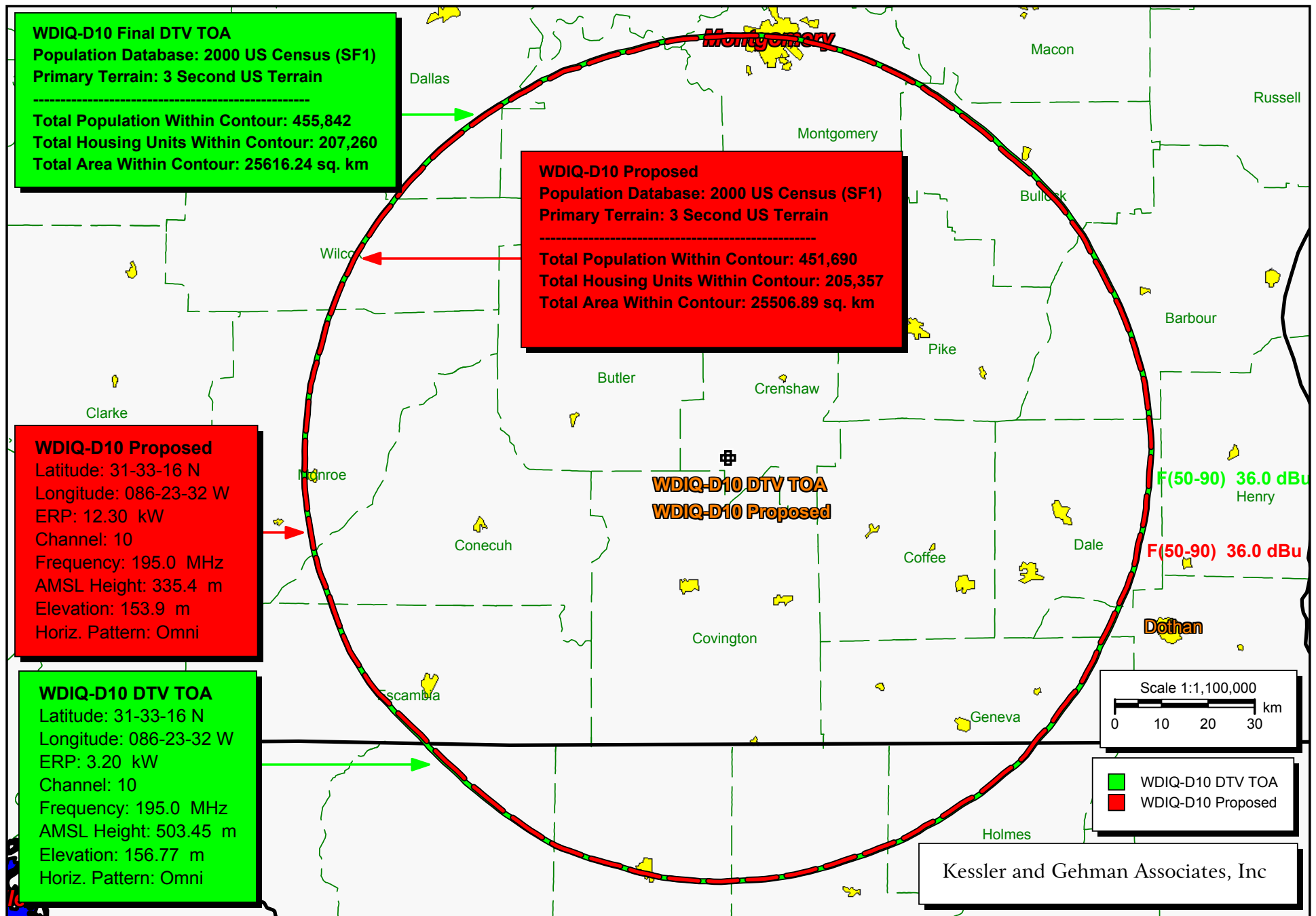
252	90.7	90.5	PASS	0.2
253	90.7	90.6	PASS	0.1
254	90.9	90.8	PASS	0.1
255	91.0	90.9	PASS	0.1
256	90.9	90.8	PASS	0.1
257	91.0	90.9	PASS	0.1
258	91.0	90.9	PASS	0.1
259	90.9	90.9	PASS	0.0
260	90.9	90.9	PASS	0.0
261	90.9	90.8	PASS	0.1
262	90.9	90.8	PASS	0.1
263	91.0	90.9	PASS	0.1
264	90.9	90.8	PASS	0.1
265	91.0	90.9	PASS	0.1
266	91.0	90.9	PASS	0.1
267	91.0	90.9	PASS	0.1
268	90.9	90.8	PASS	0.1
269	90.8	90.7	PASS	0.1
270	90.8	90.7	PASS	0.1
271	90.8	90.7	PASS	0.1
272	90.8	90.7	PASS	0.1
273	90.8	90.7	PASS	0.1
274	90.8	90.6	PASS	0.2
275	90.8	90.6	PASS	0.2
276	90.7	90.6	PASS	0.1
277	90.8	90.7	PASS	0.1
278	90.8	90.7	PASS	0.1
279	90.8	90.7	PASS	0.1
280	90.9	90.8	PASS	0.1
281	90.8	90.7	PASS	0.1
282	90.8	90.7	PASS	0.1
283	90.6	90.5	PASS	0.1
284	90.7	90.5	PASS	0.2
285	90.6	90.4	PASS	0.2
286	90.5	90.4	PASS	0.1
287	90.6	90.5	PASS	0.1
288	90.7	90.6	PASS	0.1
289	90.8	90.6	PASS	0.2
290	90.7	90.6	PASS	0.1
291	90.7	90.6	PASS	0.1
292	90.7	90.6	PASS	0.1
293	90.8	90.7	PASS	0.1
294	90.8	90.7	PASS	0.1
295	90.8	90.7	PASS	0.1
296	90.8	90.6	PASS	0.2
297	90.8	90.7	PASS	0.1
298	90.9	90.8	PASS	0.1
299	90.9	90.8	PASS	0.1
300	90.8	90.7	PASS	0.1
301	90.7	90.6	PASS	0.1
302	90.7	90.5	PASS	0.2

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

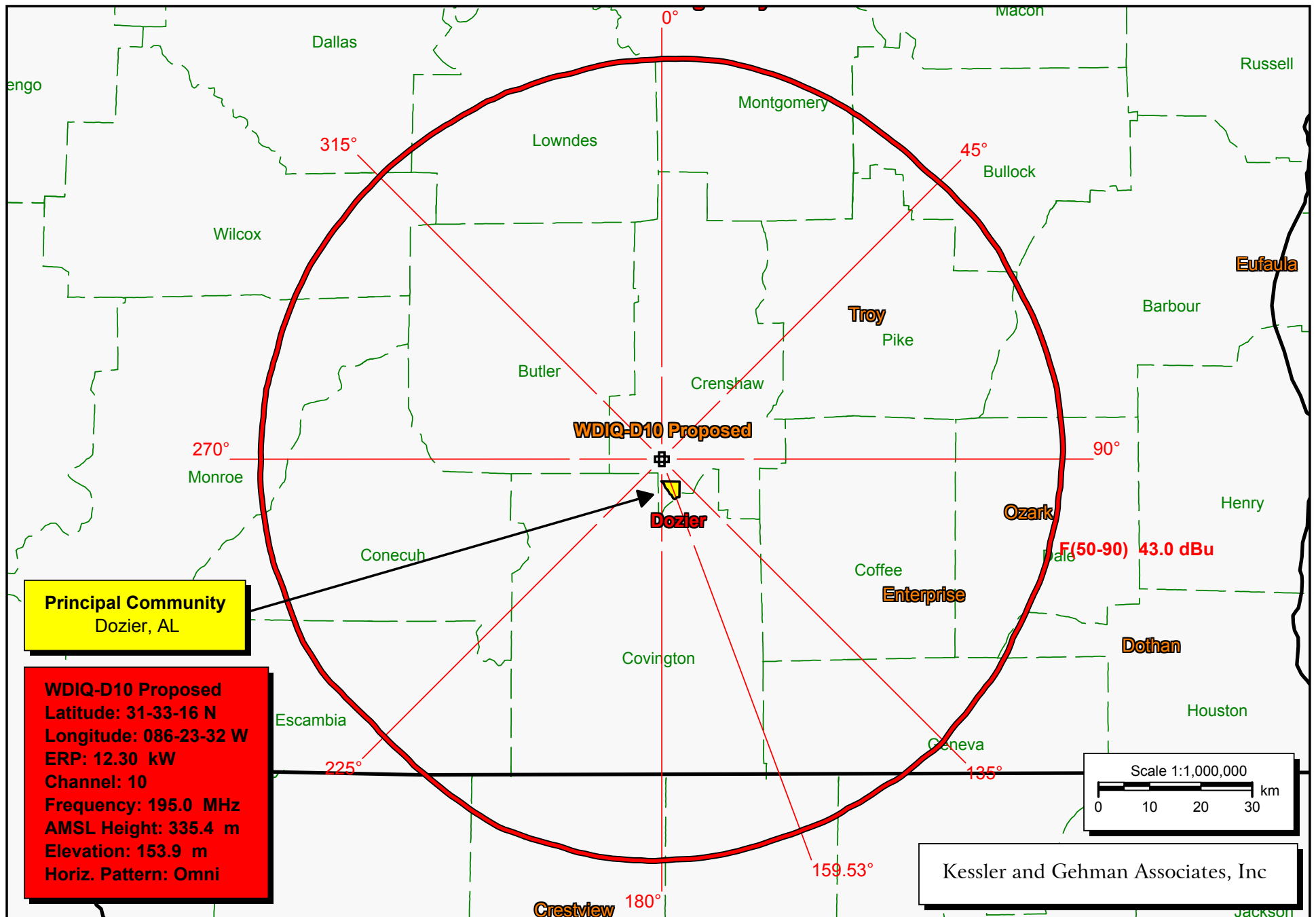
303	90.7	90.5	PASS	0.2
304	90.7	90.5	PASS	0.2
305	90.6	90.5	PASS	0.1
306	90.5	90.4	PASS	0.1
307	90.4	90.3	PASS	0.1
308	90.5	90.3	PASS	0.2
309	90.5	90.3	PASS	0.2
310	90.6	90.4	PASS	0.2
311	90.5	90.4	PASS	0.1
312	90.5	90.4	PASS	0.1
313	90.4	90.2	PASS	0.2
314	90.5	90.3	PASS	0.2
315	90.5	90.3	PASS	0.2
316	90.5	90.3	PASS	0.2
317	90.5	90.3	PASS	0.2
318	90.4	90.3	PASS	0.1
319	90.4	90.2	PASS	0.2
320	90.4	90.2	PASS	0.2
321	90.3	90.1	PASS	0.2
322	90.3	90.1	PASS	0.2
323	90.2	90.0	PASS	0.2
324	90.2	90.1	PASS	0.1
325	90.2	90.0	PASS	0.2
326	90.2	90.0	PASS	0.2
327	90.2	89.9	PASS	0.3
328	90.0	89.8	PASS	0.2
329	90.1	89.8	PASS	0.3
330	90.1	89.9	PASS	0.2
331	90.0	89.8	PASS	0.2
332	90.1	89.8	PASS	0.3
333	90.2	90.0	PASS	0.2
334	90.2	90.1	PASS	0.1
335	90.1	89.9	PASS	0.2
336	90.1	89.9	PASS	0.2
337	90.3	90.1	PASS	0.2
338	90.1	89.9	PASS	0.2
339	89.9	89.6	PASS	0.3
340	89.9	89.7	PASS	0.2
341	90.0	89.8	PASS	0.2
342	90.0	89.8	PASS	0.2
343	90.0	89.8	PASS	0.2
344	90.1	89.8	PASS	0.3
345	90.0	89.8	PASS	0.2
346	89.9	89.6	PASS	0.3
347	89.9	89.6	PASS	0.3
348	90.0	89.7	PASS	0.3
349	90.1	89.9	PASS	0.2
350	90.2	90.0	PASS	0.2
351	90.3	90.1	PASS	0.2
352	90.4	90.2	PASS	0.2
353	90.4	90.3	PASS	0.1

WDIQ-DT (Final DTV TOA) and WDIQ-DT (Proposed) Distance to Contour Comparison Chart

354	90.5	90.3	PASS	0.2
355	90.5	90.3	PASS	0.2
356	90.4	90.2	PASS	0.2
357	90.5	90.3	PASS	0.2
358	90.5	90.3	PASS	0.2
359	90.5	90.4	PASS	0.1



WDIQ-D10 Final DTV TOA Population and WDIQ-D10 Proposed Population



Proposed WDIQ-DT Channel 10 Post-Transition Facility's Principal Community Contour