

ENGINEERING STATEMENT
RE DTV BROADCAST ENGINEERING DATA
APPLICATION FOR MODIFICATION OF
CONSTRUCTION PERMIT
(FCC FILE NO. BPCDT-19991029ADE)
KMID-DT, MIDLAND, TEXAS
CHANNEL 26 1000 KW ND ERP 275 METERS HAAT

NOVEMBER 2008

COHEN, DIPPELL AND EVERIST, P.C.
CONSULTING ENGINEERS
RADIO AND TELEVISION
WASHINGTON, D.C.

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington)
) ss
District of Columbia)

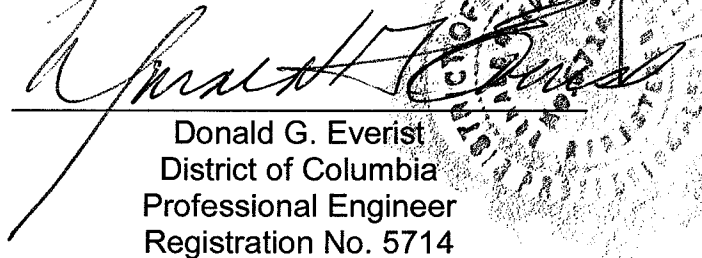
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

He is a graduate electrical engineer, a Registered Professional Engineer in the District of Columbia, and is President, Secretary and Treasurer of Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

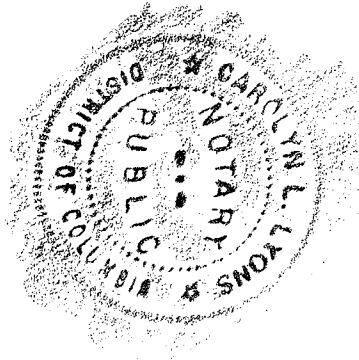
That his qualifications are a matter of record in the Federal Communications Commission;

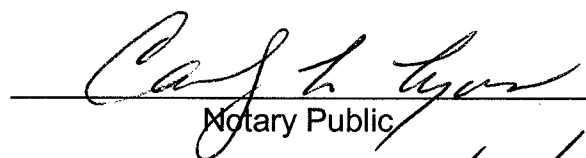
That the attached engineering report was prepared by him or under his supervision and direction and

That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.


Donald G. Everist
District of Columbia
Professional Engineer
Registration No. 5714

Subscribed and sworn to before me this 3rd day of December, 2008.




Notary Public

My Commission Expires: 2/28/2013

COHEN, DIPPELL AND EVERIST, P. C.

City of Washington)
) ss
District of Columbia)

Martin R. Doczkat being duly sworn upon his oath, deposes and states that:

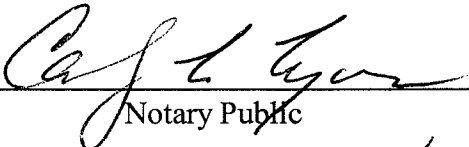
He is a graduate electrical engineer of the Pennsylvania State University, and is a staff engineer at Cohen, Dippell and Everist, P.C., Consulting Engineers, Radio - Television, with offices at 1300 L Street, N.W., Suite 1100, Washington, D.C. 20005;

That the attached engineering report was prepared by him or under his supervision and direction and

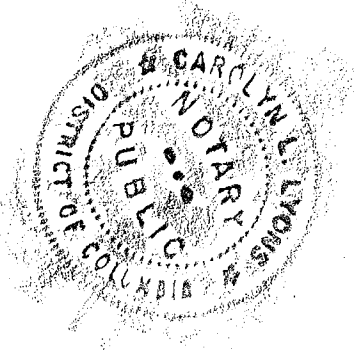
That the facts stated herein are true of his own knowledge, except such facts as are stated to be on information and belief, and as to such facts he believes them to be true.


Martin R. Doczkat

Subscribed and sworn to before me this 31st day of December, 2008.


Notary Public

My Commission Expires: 2/28/2013



This engineering statement has been prepared on behalf of Nexstar Broadcasting, Inc. (“Nexstar”), licensee of KMID(TV), Midland, Texas. The purpose of this engineering statement is to request a modification of the outstanding construction permit (FCC File No. BPCDT-19991029ADE) for post-transition digital television (“DTV”) facilities.

KMID(TV) is licensed to operate on NTSC television Channel 2 with a maximum visual effective radiated power (“ERP”) of 100 kW (horizontal polarization) and height above average terrain (“HAAT”) of 329.9 meters. KMID-DT has been allocated DTV Channel 26 with facilities of 1000 kW non-directional ERP at an HAAT of 323 meters in the final DTV Table of Allotments.¹ KMID-DT requested in its outstanding construction permit (FCC File No. BPCDT-19991029ADE) to construct its Channel 26 DTV facilities of 1000 kW non-directional ERP at an HAAT of 323 meters. KMID-DT now requests to construct its Channel 26 DTV facilities of 1000 kW non-directional (horizontal polarization) at an HAAT of 275 meters from an existing antenna structure located approximately 1.3 km away from the allotted site at a bearing of N 346.9° E, T.

The DTV antenna will be side-mounted on an existing tower structure. The proposed tower has an overall structure height above ground of 345.6 meters (1134 feet). Exhibit E-1 shows a vertical sketch and the arrangement of the antennas on the tower. The existing transmitter site is located 3 miles north of intersection FM 1788 & TX 158 in Gardendale, Texas.

¹“In the Matter of Advanced Television Systems and Their Impact Upon the Existing Television Broadcast Service”, MM Docket 87-268, Memorandum Opinion and Order on Reconsideration of the Seventh Report and Order and Eighth Report and Order (FCC 08-72) Released March 6, 2008.

The geographic coordinates of the site are:

North Latitude: 32° 05' 51"

West Longitude: 102° 17' 21"

NAD-27

Tower Registration No. 1051408

Equipment Data

Antenna:	Dielectric	TFU-34JSC-R O3
	Beam Tilt	0.75° electrical
	Power Gain	32

Antenna information per Section 73.625 of the FCC Rules is provided in Exhibit E-2.

Power Data

Transmitter output	40.2 kW	16.04 dBk
Total Transmission line efficiency/loss Dielectric, 6-1/8", 75 ohm rigid or equivalent, length: 292.6 meters (960 feet)	77.8%	1.09 dB
Input Power to the antenna	31.3 kW	14.95 dBk
Antenna power gain	32	15.05 dB
Effective Radiated Power	1000 kW	30 dBk

Elevation Data

Vertical dimension of Channel 26 side-mounted antenna	20.4 meters 67 feet
Overall height above ground of existing antenna structure (including appurtenances)	345.6 meters 1134 feet
Center of radiation of Channel 26 antenna above ground	277.4 meters 910 feet
Elevation of site above mean sea level	888.2 meters 2914 feet
Center of radiation of Channel 26 antenna above mean sea level	1165.6 meters 3824 feet
Overall height above mean sea level of modified tower (including appurtenances)	1233.8 meters 4048 feet
Antenna height above average terrain	275 meters

Coverage

The average elevation data for 3.2 to 16.1 km along the eight cardinal radials has been determined from the NGDC 3-second database. The F(50,90) DTV coverage contours have been computed from reference to the propagation data for Channel 26 as published by the FCC in Figure 10b and 10c, Section 73.699 of the FCC Rules and Regulations. Utilizing the formula in Section 73.625(b)(2) of the rules for the effective heights, it is found that the depression angle, A_h , varies from 0.44 to 0.48 degrees. Since the relative vertical field is greater than 90% of the maximum at these depression angles, the maximum power was used in determining the distance to the DTV contour.

Exhibit E-3 shows the proposed KMID-DT, 48 dBu and 41 dBu F(50,90) coverage contours on a map and includes the legal boundaries of Midland, Texas.

Exhibit E-4 shows the proposed KMID-DT operation does not extend beyond the authorized KMID-DT construction permit service area. The proposed operation is predicted to serve 341,116 persons in an area of 28,645 square kilometers, which is 98.9% of the 345,000 in an area of 32,226 square kilometers predicted to be served by the KMID-DT construction permit according to Appendix B of the Final DTV Table of Allotments.

Interference Analysis

A study of predicted interference caused by the proposed KMID-DT operation has been performed using a version of the Longley-Rice program as described in OET Bulletin No. 69 (February 6, 2004) and the Public Notice, "Additional Application Processing Guidelines for Digital Television (DTV)" (August 1998). The FCC's FORTRAN-77 code was modified only to the extent necessary (primarily input/output handling) for the program to run on a WindowsXP platform. Comparison of service/interference areas and population indicates that this model closely matches the FCC's evaluation program. Best efforts have been made to use data and calculation identical to the FCC's program. The model employs the Longley-Rice propagation methodology and evaluates in grid cells of approximately 2 sq. km. Using 3-second terrain data sampled approximately every 1.0 km at one-degree azimuth intervals with 2000 census centroids, all studies are based upon data in the current CDBS database update of the FCC's engineering database and the final DTV Table of Allotments. A Longley-Rice study was performed with the proposed KMID-DT facilities and all relevant stations listed in the FCC database as of November 13, 2008. The study results and the

included stations are listed in Table II. No potentially affected station is predicted to receive more than 0.5% interference.

Other Licensed and Broadcast Facilities

There are no AM stations located within 3.22 kilometer of the proposed site. According to CDBS, the proposed operation of KMID-DT will be the only full-service post-transition television station aside from KPEJ-DT located within one kilometer of the proposed site. Other authorized broadcast stations anticipated to be included after the DTV transition are KFLB-FM, KNFM(FM), and KQLM(FM). No other currently authorized broadcast stations are anticipated to be operating within one kilometer of the proposed site after the DTV transition. No adverse technical effect is anticipated by the DTV operation to any other FCC licensed facility, however, if any problems occur, the permittee will take the necessary steps to resolve them.

Radio Frequency Field Level ("RFF" Level)

<u>Station</u>	<u>ERP</u> (kW)	<u>Frequency</u> (MHz)	<u>Ch</u>	<u>RCAGL**</u> (m)	<u>F*</u>	<u>S (μW/cm²)</u>	Uncontrolled <u>RFF</u> (%)	Controlled <u>RFF</u> (%)
KMID-DT Proposed	1000	542-548	26	250.8	0.05	1.3	0.4%	0.1%
KFLB-FM CP Mod	172	90.5	213	192	0.3	14.0	7%	1.4%
KNFM(FM) Lic	200	92.3	222	298	0.3	6.8	3.4%	0.7%
KQLM(FM) Lic	200	107.9	300	257	0.3	9.1	4.6%	1%

*F = assumed value

** RCAGL - 2 meters

The proposed KMID-DT facilities are predicted to contribute less than approximately $2 \mu\text{W}/\text{cm}^2$ or less than 1% of the FCC guidelines for an uncontrolled environment which is less than 0.2% of the FCC guidelines for a controlled environment. The total predicted post-transition RFF is less than 16% of the FCC guidelines for an uncontrolled environment which is less than 3.2% of the FCC guidelines for a controlled environment.

Authorized personnel and rigging contractors will be alerted to the potential zone of high field levels on the tower, and if necessary, the station will operate with reduced power or terminate the operation of the transmitter as appropriate when it is necessary for authorized personnel or contractors to perform work on the tower. Workers and the general public, therefore, will not be subjected to RFF levels in excess of the current FCC guidelines.

Environmental Assessment

An environmental assessment ("EA") is categorically excluded under Section 1.1306 of the FCC Rules and Regulations as the tower was constructed prior to the requirements specified in WT Docket No. 03-128 and the permittee indicates:

- (a)(1) The existing tower is not located in an officially designated wilderness area.
- (a)(2) The existing tower is not located in an officially designated wildlife preserve.
- (a)(3) The proposed facilities will not affect any listed threatened or endangered species or habitats.
- (a)(3)(ii) The proposed facilities will not jeopardize the continued existence of any proposed endangered or threatened species or likely to result in the destruction or adverse modification of proposed critical habitats.

- (a)(4) The proposed facilities located on a tower which was built prior to the adoption of WT Docket No. 03-128 and is grandfathered and has not affected any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The existing tower is not located near any known Indian religious sites.
- (a)(6) The existing tower is not located in a flood plain.
- (a)(7) The installation of the DTV facilities on an existing tower will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) It is not proposed to equip the tower with high intensity white lights unless required by the FAA.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin No. 65, Edition 97-01, dated August 1997 and Supplement A.

ABOVE MEAN SEA LEVEL

ABOVE GROUND

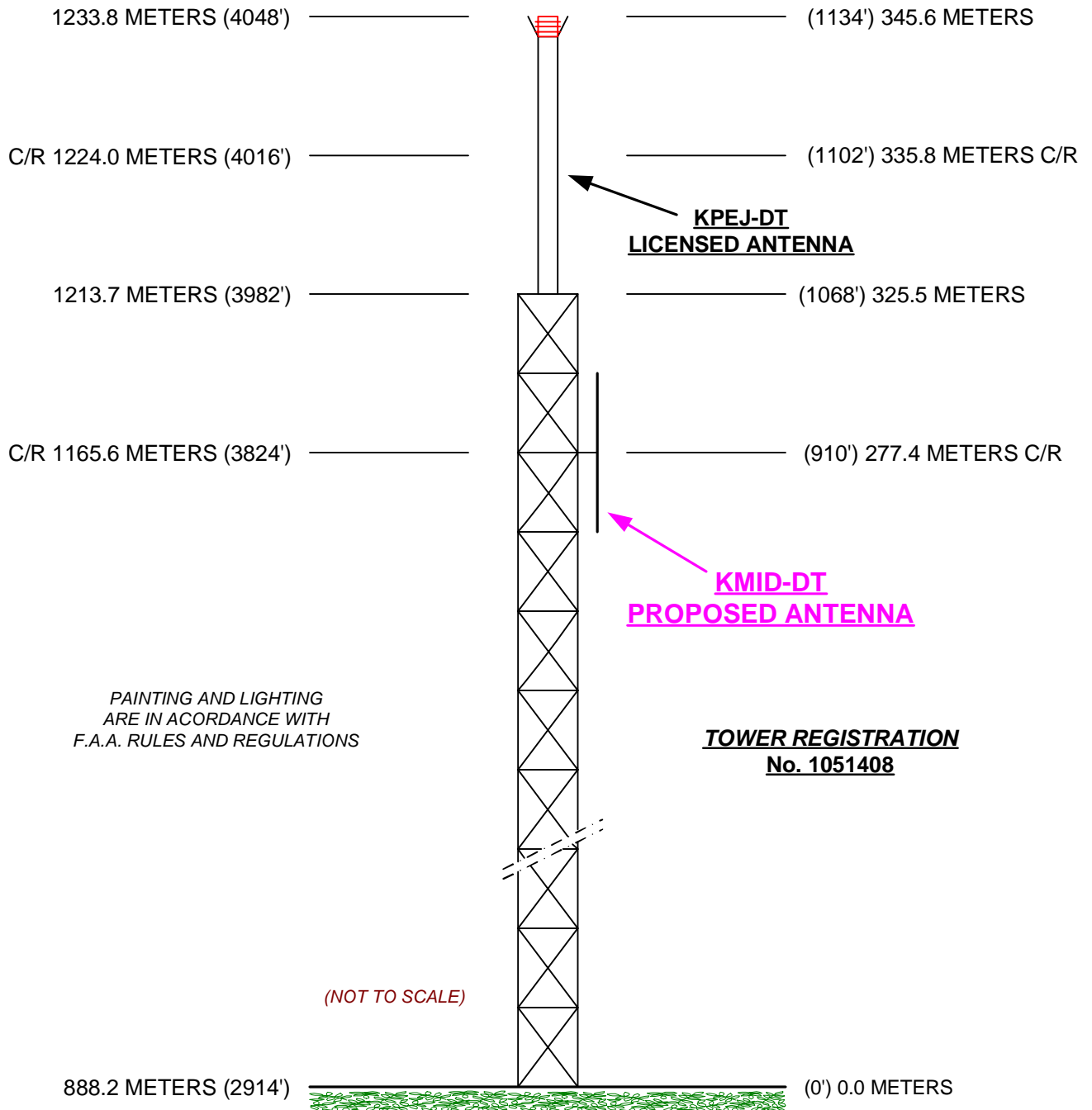


EXHIBIT E-1
VERTICAL SKETCH
FOR THE PROPOSED DTV OPERATION OF
KMID-DT, MIDLAND, TEXAS

NOVEMBER 2008

COHEN, DIPPELL AND EVERIST, P.C.

Consulting Engineers

Washington, D.C.

COHEN, DIPPELL AND EVERIST, P.C.

EXHIBIT E-2

ANTENNA MANUFACTURER DATA

KMID-DT, MIDLAND, TEXAS



Proposal #: **C-02352**

Antenna Type: **TFU-34JSC-R O3**

Channel: **26 DTV**

Call Letters: **KMID-DT**

Location: **Midland, TX**

Electrical Specifications		Value		Remarks	
		Ratio	dBd		
RMS Gain at Main Lobe over Halfwave Dipole	Hpol	32.0	15.05		
	Vpol				
RMS Gain at Horizontal over Halfwave Dipole	Hpol	15.1	11.79		
	Vpol				
Peak Directional Gain over Halfwave Dipole	Hpol				
	Vpol				
Peak Directional Gain at Horizontal over Halfwave Dipole	Hpol				
	Vpol				
Circularity		+/- 1.0 dB		In free space	
Axial Ratio		dB			
Beam Tilt		0.75 deg			
Average Power	DTV	45 kW	16.53 dBk		
Antenna Input:	T/L	6-1/8 in	75.0 ohm	Type:	EIA/DCA
Maximum Antenna Input VSWR				Notes: 5 psi dry air or Nitrogen required.	
		Channel	1.08 : 1		
Patterns	Azimuth	TFU-O3			
	Elevation	34Y320075	34Y320075-90		
Mechanical Specifications		Metric	English		Preliminary
Height with Lightning Protector	H4	m	ft	Side mounted	
Height Less Lightning Protector	H2	20.4 m	67.0 ft	TIA/EIA-222-F.	
Height of Center of Radiation	H3	10.0 m	33.5 ft		
Basic Wind Speed	V	128.7 km/h	80 mi/h		
Force Coeff. x Projected Area	CaAc	9.2 m²	99.1 ft²	Excludes Mounts	
Moment Arm	D1	m	ft		
Force Coeff. x Projected Area	CaAc	m²	ft²		
Moment Arm	D3	m	ft		
Pole Bury Length	D2	m	ft		
Weight	W	0.6 t	1,220 lbs	Excludes Mounts	
Radome					
Antenna designed in accordance with AISC specifications for design of structural steel for building as prescribed by TIA/EIA-222-F. Mechanical Loads Exclude Mounts					

NOTE:

Prepared By : **SWB**

Approved By :

JLS

Original Date : **20-Feb-08**

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Dielectric Communications or SPX Corporation.



Proposal #: **C-02352**
Call Letters: **KMID-DT**

Antenna Type:
Location:

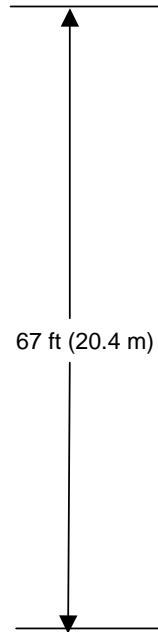
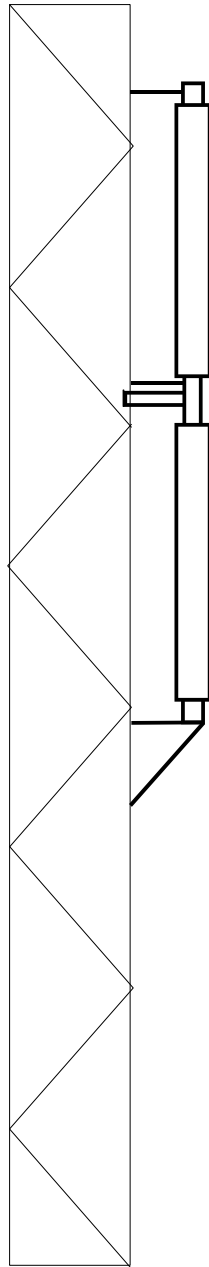
TFU-34JSC-R O3
Midland, TX

Channel: **26 DTV**

Mechanical Specifications

TIA/EIA-222-F. @ 80 mi/h (128.7 km/h)

CaAc = 99.1 ft²(9.2 m²)
W = 1220 lbs(0.6 t)



TFU-34JSC-R O3
Channel: D26

SWB-080220-4

Not to Scale

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Proposal Number	C-02352		
Date	20-Feb-08		
Call Letters	KMID-DT	Channel	26
Location	Midland, TX		
Customer			
Antenna Type	TFU-34JSC-R O3		

SYSTEM SUMMARY

Antenna:

Type:	TFU-34JSC-R O3	ERP:	1000 kW	H Pol	(30.00 dBk)
Channel:	26	RMS Gain*:	32.0		(15.05 dB)
Location:	Midland, TX	Input Power:	31.3 kW		(14.95 dBk)

Transmission Line:

Type:	EIA/DCA	Attenuation:	1.09 dB
Size:	6-1/8 in	Efficiency:	77.8%
Impedance:	75 ohm		
Length:	960 ft		292.6 m

Transmitter:

Power Required: **40.2 kW (16.04 dBk)**

* Gain is with respect to half wave dipole.

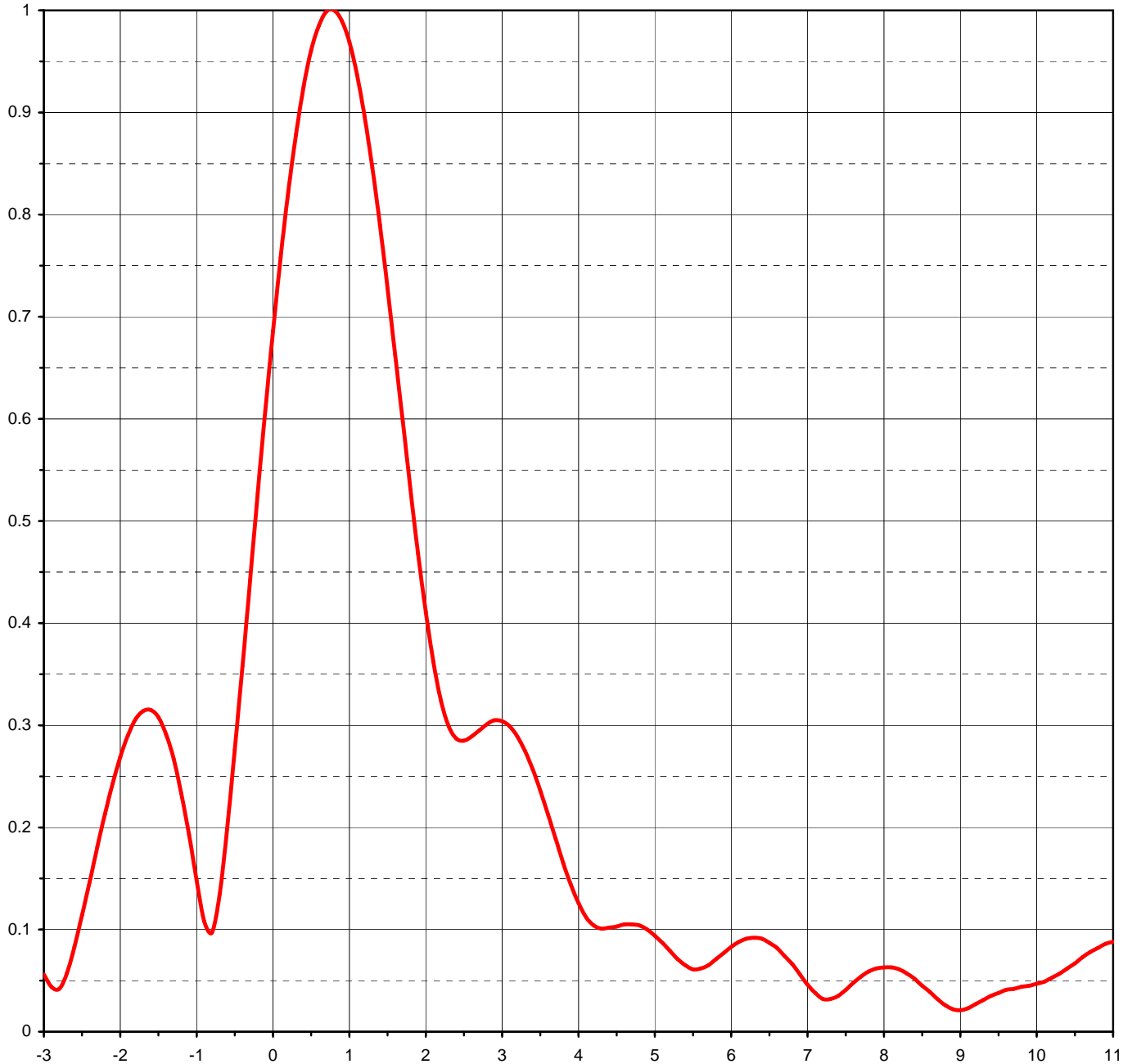
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Proposal Number	C-02352	
Date	20-Feb-08	
Call Letters	KMID-DT	Channel 26
Location	Midland, TX	
Customer		
Antenna Type	TFU-34JSC-R O3	

ELEVATION PATTERN

RMS Gain at Main Lobe	32.00 (15.05 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	15.10 (11.79 dB)	Frequency	545.00 MHz
Calculated / Measured	Calculated	Drawing #	34Y320075



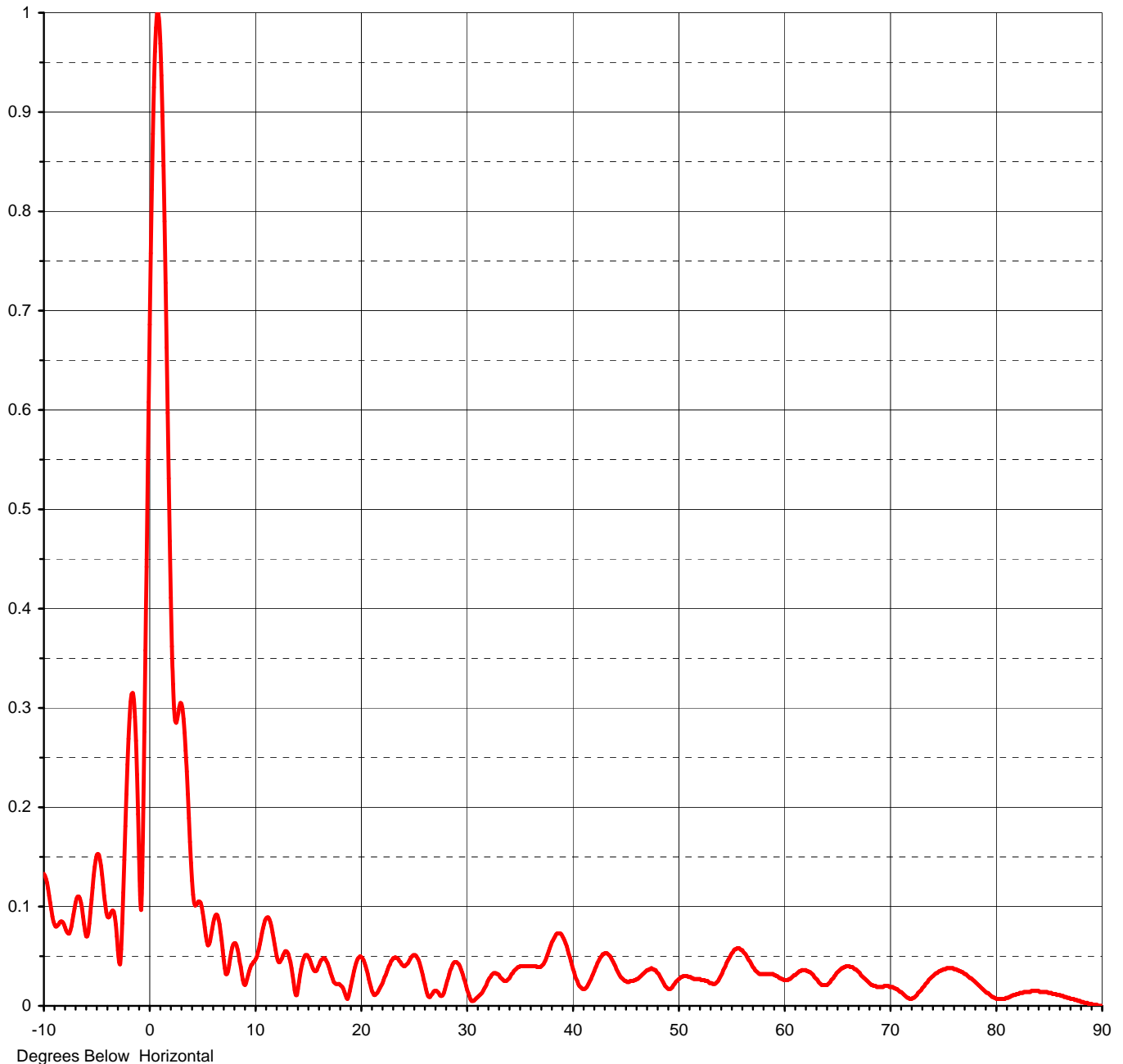
Degrees Below Horizontal



Proposal Number	C-02352	
Date	20-Feb-08	
Call Letters	KMID-DT	Channel 26
Location	Midland, TX	
Customer		
Antenna Type	TFU-34JSC-R 03	

ELEVATION PATTERN

RMS Gain at Main Lobe	32.00 (15.05 dB)	Beam Tilt	0.75 deg
RMS Gain at Horizontal	15.10 (11.79 dB)	Frequency	545.00 MHz
Calculated / Measured	Calculated	Drawing #	34Y320075-90





Proposal Number **C-02352**
Date **20-Feb-08**
Call Letters **KMID-DT** Channel **26**
Location **Midland, TX**
Customer
Antenna Type **TFU-34JSC-R 03**

TABULATION OF ELEVATION PATTERN

Elevation Pattern Drawing #: **34Y320075-90**

Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field	Angle	Field
-10.0	0.133	2.4	0.287	10.6	0.067	30.5	0.005	51.0	0.029	71.5	0.009
-9.5	0.111	2.6	0.289	10.8	0.078	31.0	0.008	51.5	0.027	72.0	0.007
-9.0	0.082	2.8	0.301	11.0	0.086	31.5	0.013	52.0	0.027	72.5	0.011
-8.5	0.084	3.0	0.304	11.5	0.084	32.0	0.024	52.5	0.026	73.0	0.018
-8.0	0.079	3.2	0.289	12.0	0.056	32.5	0.032	53.0	0.023	73.5	0.024
-7.5	0.076	3.4	0.257	12.5	0.046	33.0	0.032	53.5	0.022	74.0	0.030
-7.0	0.104	3.6	0.213	13.0	0.055	33.5	0.026	54.0	0.029	74.5	0.034
-6.5	0.104	3.8	0.165	13.5	0.038	34.0	0.027	54.5	0.040	75.0	0.037
-6.0	0.070	4.0	0.126	14.0	0.011	34.5	0.035	55.0	0.051	75.5	0.038
-5.5	0.107	4.2	0.104	14.5	0.042	35.0	0.039	55.5	0.057	76.0	0.037
-5.0	0.152	4.4	0.102	15.0	0.051	35.5	0.040	56.0	0.056	76.5	0.035
-4.5	0.132	4.6	0.105	15.5	0.038	36.0	0.040	56.5	0.050	77.0	0.032
-4.0	0.090	4.8	0.104	16.0	0.039	36.5	0.040	57.0	0.041	77.5	0.028
-3.5	0.096	5.0	0.094	16.5	0.048	37.0	0.039	57.5	0.034	78.0	0.024
-3.0	0.056	5.2	0.079	17.0	0.040	37.5	0.046	58.0	0.032	78.5	0.019
-2.8	0.042	5.4	0.065	17.5	0.024	38.0	0.061	58.5	0.032	79.0	0.014
-2.6	0.083	5.6	0.062	18.0	0.022	38.5	0.072	59.0	0.032	79.5	0.010
-2.4	0.147	5.8	0.071	18.5	0.014	39.0	0.072	59.5	0.029	80.0	0.007
-2.2	0.213	6.0	0.083	19.0	0.015	39.5	0.060	60.0	0.026	80.5	0.007
-2.0	0.269	6.2	0.091	19.5	0.039	40.0	0.041	60.5	0.027	81.0	0.008
-1.8	0.306	6.4	0.091	20.0	0.050	40.5	0.025	61.0	0.031	81.5	0.010
-1.6	0.315	6.6	0.082	20.5	0.040	41.0	0.017	61.5	0.035	82.0	0.012
-1.4	0.291	6.8	0.066	21.0	0.019	41.5	0.021	62.0	0.036	82.5	0.013
-1.2	0.233	7.0	0.046	21.5	0.012	42.0	0.032	62.5	0.034	83.0	0.014
-1.0	0.148	7.2	0.032	22.0	0.021	42.5	0.045	63.0	0.028	83.5	0.015
-0.8	0.097	7.4	0.035	22.5	0.034	43.0	0.052	63.5	0.022	84.0	0.015
-0.6	0.199	7.6	0.048	23.0	0.046	43.5	0.051	64.0	0.021	84.5	0.014
-0.4	0.358	7.8	0.059	23.5	0.048	44.0	0.042	64.5	0.027	85.0	0.013
-0.2	0.527	8.0	0.063	24.0	0.041	44.5	0.031	65.0	0.034	85.5	0.012
0.0	0.686	8.2	0.061	24.5	0.043	45.0	0.025	65.5	0.038	86.0	0.011
0.2	0.822	8.4	0.052	25.0	0.051	45.5	0.025	66.0	0.040	86.5	0.009
0.4	0.925	8.6	0.039	25.5	0.046	46.0	0.026	66.5	0.038	87.0	0.007
0.6	0.985	8.8	0.026	26.0	0.026	46.5	0.030	67.0	0.034	87.5	0.006
0.8	1.000	9.0	0.021	26.5	0.009	47.0	0.035	67.5	0.028	88.0	0.004
1.0	0.969	9.2	0.027	27.0	0.015	47.5	0.038	68.0	0.023	88.5	0.003
1.2	0.896	9.4	0.035	27.5	0.011	48.0	0.034	68.5	0.020	89.0	0.002
1.4	0.790	9.6	0.041	28.0	0.017	48.5	0.026	69.0	0.019	89.5	0.001
1.6	0.663	9.8	0.042	28.5	0.036	49.0	0.018	69.5	0.020	90.0	0.000
1.8	0.531	10.0	0.045	29.0	0.044	49.5	0.019	70.0	0.019		
2.0	0.411	10.2	0.049	29.5	0.037	50.0	0.026	70.5	0.017		
2.2	0.324	10.4	0.057	30.0	0.020	50.5	0.030	71.0	0.014		

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COHEN, DIPPELL AND EVERIST, P.C.

TABLE I
COMPUTED COVERAGE DATA
FOR THE PROPOSED DTV OPERATION OF
KMID-DT, MIDLAND, TEXAS
CHANNEL 26 1000 KW ND ERP 275 METERS HAAT
NOVEMBER 2008

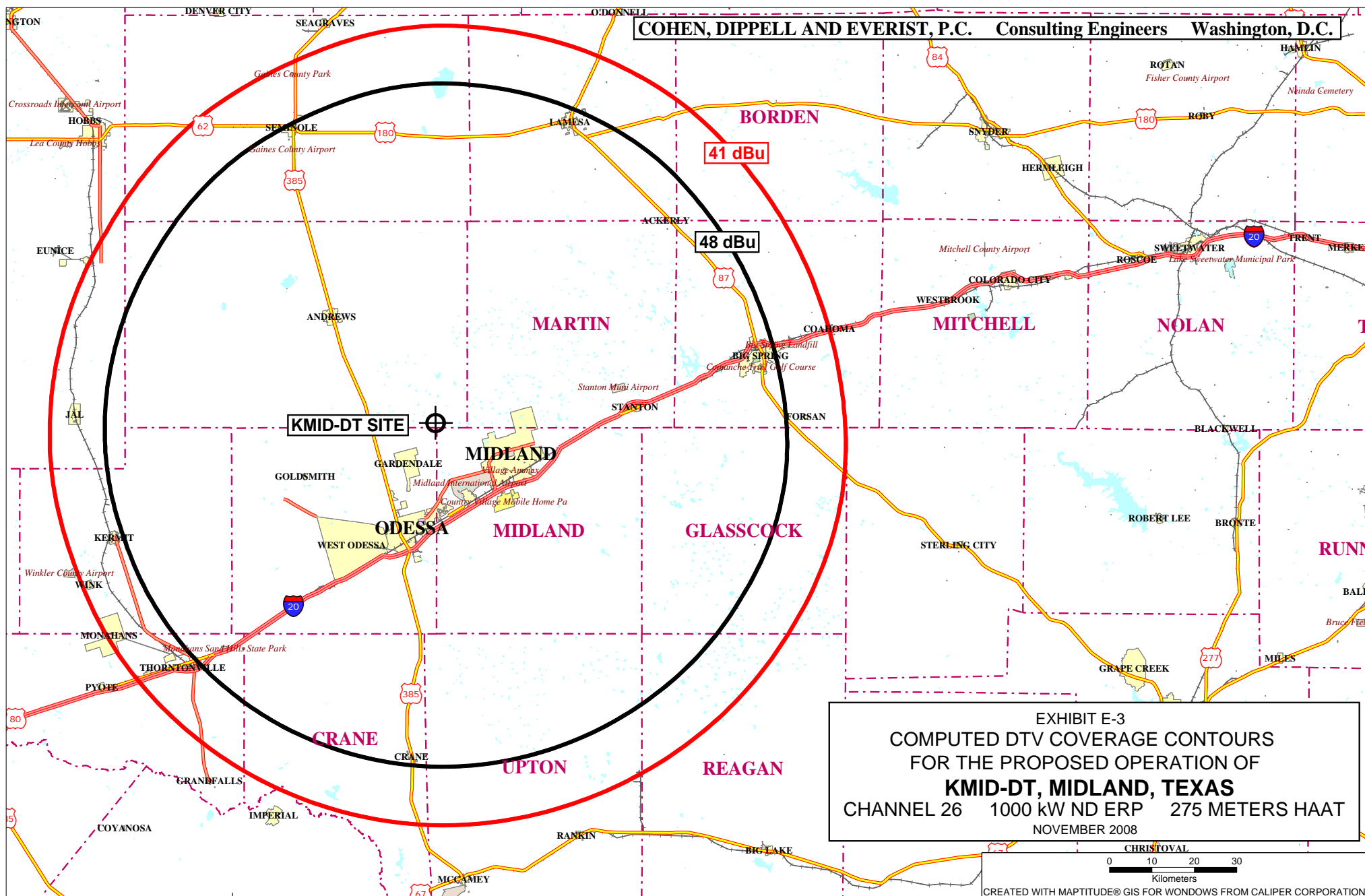
Radial Bearing N ° E, T	Average* Elevation 3.2 to 16.1 km meters	Effective Height meters	Depression Angle	ERP At Radio Horizon kW	Distance to Contour F(50,90)	
					48 dBu City Grade km	41 dBu Noise-Limited km
0	893.8	271.8	0.457	1000	79.6	93.1
45	883.5	282.1	0.465	1000	80.8	94.6
90	869.8	295.8	0.476	1000	82.5	96.3
135	871.3	294.3	0.475	1000	82.3	96.1
180	885.0	280.6	0.464	1000	80.6	94.4
225	897.1	268.5	0.454	1000	79.2	92.6
270	909.2	256.4	0.444	1000	78.0	90.9
315	913.9	251.7	0.439	1000	77.5	90.2
Average	890.6	275				

*Based on data from FCC 3-second data base

DTV Channel 26 (542-548 MHz)
Average Elevation 3.2 to 16.1 km 890.6 meters AMSL
Center of Radiation 1165.6 meters AMSL
Antenna Height Above Average Terrain 275 meters
Effective Radiated Power 1000 kW (30 dBk) Max.

North Latitude: 32° 05' 51"
West Longitude: 102° 17' 21"

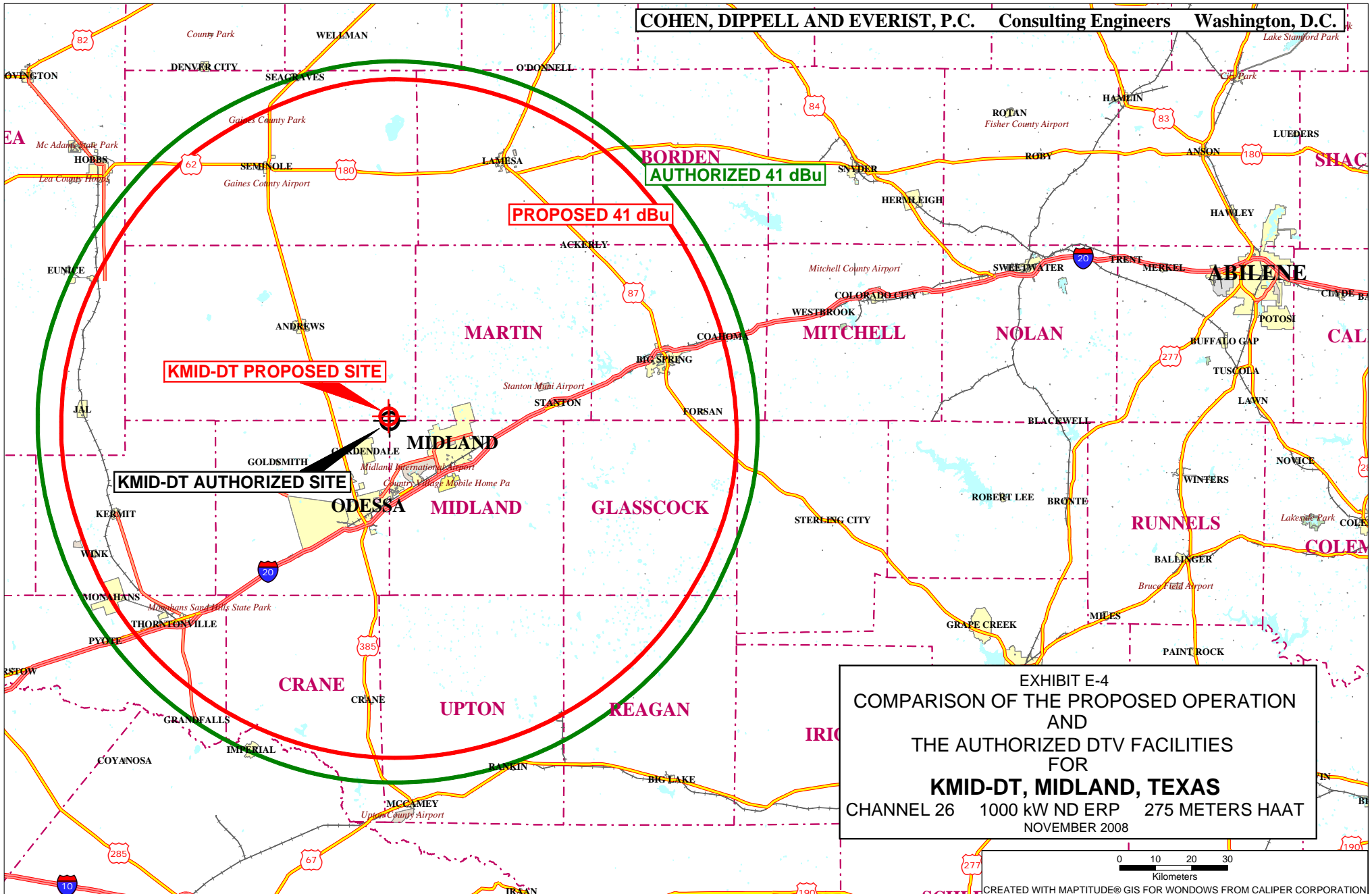
(NAD-27)



COHEN, DIPPELL AND EVERIST, P.C.

TABLE II
LONGLEY-RICE INTERFERENCE ANALYSIS
FOR THE PROPOSED OPERATION
ABOVE ITS ALLOTTED APPENDIX B FACILITIES AND
IN RELATION TO OTHER ALLOTTED APPENDIX B FACILITIES
AND OTHER POTENTIALLY AFFECTED STATIONS IN CDBS
KMID-DT, MIDLAND, TEXAS
CHANNEL 26 1000 KW ND ERP 275 METERS HAAT
NOVEMBER 2008

<u>Channel</u>	<u>Call</u>	<u>City/State</u>	<u>Dist(km)</u>	<u>Status</u>	<u>FCC File No.</u>	<u>Result</u>
25	KTEL-DT	CARLSBAD NM	182.3	CP	BPCDT-20080211ABM	no interference
25	KTEL-DT	CARLSBAD NM	182.3	ALLOT		no interference
26	K26CD	CLOVIS NM	274.1	LIC	BLTT-19880725IN	no interference
26	KPXL-DT	UVALDE TX	414	ALLOT		no interference
26	KPXL-DT	UVALDE TX	414	CP	BPCDT-20070501AEW	no interference
27	KAMC-DT	LUBBOCK TX	163.5	ALLOT		no interference
27	KAMC-DT	LUBBOCK TX	163.5	CP MOD	BMPCDT-20070125ABW	no interference



SECTION III - D - DTV Engineering

Complete Questions 1-5, and provide all data and information for the proposed facility, as requested in Technical Specifications, Items 1-13.

Pre-Transition Certification Checklist: An application concerning a pre-transition channel must complete questions 1(a)-(c), and 2-5. A correct answer of "Yes" to all of the questions will ensure an expeditious grant of a construction pen-nit application to modify pre-transition facilities. However, if the proposed facility is located within the Canadian or Mexican borders, coordination of the proposal under the appropriate treaties may be required prior to grant of the application. An answer of "No" will require additional evaluation of the applicable information in this form before a construction permit can be granted.

Post-Transition Expedited Processing. An application concerning a post-transition channel must complete questions 1(a), (d)-(e), and 2-5. A station applying for a construction permit to build its post-transition channel will receive expedited processing if its application (1) does not seek to expand the noise-limited service contour in any direction beyond that established by 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. § 73.622(i) ("new DTV Table Appendix B"); (2) specifies facilities that match or closely approximate those defined in the new DTV Table Appendix B facilities; and (3) is filed within 45 days of the effective date of Section 73.616 of the rules adopted in the Report and Order in the Third DTV Periodic Review proceeding, MB Docket No. 07-91.

1. The proposed DTV facility complies with 47 C.F.R. Section 73.622 in the following respects:
 - (a) It will operate on the DTV channel for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (b) It will operate a pre-transition facility from a transmitting antenna located within 5.0 km (3.1 miles) of the DTV reference site for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (c) It will operate a pre-transition facility with an effective radiated power (ERP) and antenna height above average terrain (HAAT) that do not exceed the DTV reference ERP and HAAT for this station as established in 47 C.F.R. Section 73.622. ☐ Yes ☐ No
 - (d) It will operate at post-transition facilities that do not expand the noise-limited service contour in any direction beyond that established by 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. § 73.622(i) ("new DTV Table Appendix B"). ☐ Yes ☐ No
☐ N/A
 - (e) It will operate at post-transition facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the new DTV Table Appendix B. ☐ Yes ☐ No
☐ N/A
2. The proposed facility will not have a significant environmental impact, including exposure of workers or the general public to levels of RIF radiation exceeding the applicable health and safety guidelines, and therefore will not come within 47 C.F.R. Section 1.1307. ☐ Yes ☐ No

Applicant must **submit the Exhibit** called for in Item 13.

3. Pursuant to 47 C.F.R. Section 73.625, the DTV coverage contour of the proposed facility will encompass the allotted principal community. ☐ Yes ☐ No
4. The requirements of 47 C.F.R. Section 73.1030 regarding notification to radio astronomy installations, radio receiving installations and FCC monitoring stations have either been satisfied or are not applicable. ☐ Yes ☐ No
5. The antenna structure to be used by this facility has been registered by the Commission and will not require reregistration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely effect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7. ☐ Yes ☐ No

SECTION III - D DTV 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 Number: DTV _____ Analog TV, if any _____
2. Zone: ☐ I ☐ II ☐ III
3. Antenna Location Coordinates: (NAD 27)
- _____ ° _____ ' _____ " ☐ N ☐ S Latitude
_____ ° _____ ' _____ " ☐ E ☐ W Longitude
4. Antenna Structure Registration Number: _____
- ☐ Not applicable ☐ FAA Notification Filed with FAA
5. Antenna Location Site Elevation Above Mean Sea Level: _____ meters
6. Overall Tower Height Above Ground Level: _____ meters
7. Height of Radiation Center Above Ground Level: _____ meters
8. Height of Radiation Center Above Average Terrain: _____ meters
9. Maximum Effective Radiated Power (average power): _____ kW
10. Antenna Specifications:
- a.

Manufacturer	Model
--------------	-------
- b. Electrical Beam Tilt: _____ degrees ☐ Not Applicable
- c. Mechanical Beam Tilt: _____ degrees toward azimuth _____ degrees True ☐ Not Applicable
- Attach as an Exhibit all data specified in 47 C.F.R. Section 73.625(c). Exhibit No.
- d. Polarization: ☐ Horizontal ☐ Circular ☐ Elliptical

TECH BOX

e. Directional Antenna Relative Field Values:

☐

Not applicable (Nondirectional)

Rotation: _____

☐

No rotation

Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value	Degree	Value
0		60		120		180		240		300	
10		70		130		190		250		310	
20		80		140		200		260		320	
30		90		150		210		270		330	
40		100		160		220		280		340	
50		110		170		230		290		350	
Additional Azimuths											

If a directional antenna is proposed, the requirements of 47 C.F.R. Section 73.625(c) must be satisfied. **Exhibit required.**

Exhibit No.

11. Does the proposed facility satisfy the pre-transition interference protection provisions of 47 C.F.R. Section 73.623(a) (Applicable only if **Certification Checklist** Items 1(a), (b), or (c) are answered "No.") and/or the post-transition interference protection provisions of 47 C.F.R. Section 73.616?

☐

Yes

☐

No

If "No," attach as an Exhibit justification therefore, including a summary of any related previously granted waivers.

Exhibit No.

12. If the proposed facility will not satisfy the coverage requirement of 47 C.F.R. Section 73.625, attach as an Exhibit justification therefore. (Applicable only if **Certification Checklist** Item 3 is answered "No.")

Exhibit No.

13. **Environmental Protection Act. Submit in an Exhibit** the following:

Exhibit No.

- a. If **Certification Checklist Item 2** is answered "Yes," a brief explanation of why an Environmental Assessment is not required. Also describe in the Exhibit the steps that will be taken to limit RF radiation exposure to the public and to persons authorized access to the tower site.

By checking "Yes" to **Certification Checklist Item 2**, 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 radio frequency electromagnetic exposure in excess of FCC guidelines.

If **Certification Checklist Item 2** is answered "No," an Environmental Assessment as required by 47 C.F.R. Section 1.1311.

PREPARER'S CERTIFICATION IN SECTION III MUST BE COMPLETED AND SIGNED.

13. **Petition for Rulemaking/Counterproposal to Add New FM Channel to FM Table of Allotments.** If the application is being submitted concurrently with a Petition for Rulemaking or Counterproposal to Amend the FM Table of Allotments (47 C.F.R. Section 73.202) to add a new FM channel allotment, petitioner/counter-proponent certifies that, if the FM channel allotment requested is allotted, petitioner/counter-proponent will apply to participate in the auction of the channel allotment requested and specified in this application.

☐ Yes ☐ No ☐ N/A


I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in 'good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

Typed or Printed Name of Person Signing	Typed or Printed Title of Person Signing
Signature	Date

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 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 Martin R. Doczkat	Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 	Date December 3, 2008	
Mailing Address Cohen, Dippell and Everist, P.C, 1300 L Street, NW Suite 1100		
City Washington	State or Country (if foreign address) DC	ZIP Code 20005
Telephone Number (include area code) (202) 898-0111	E-Mail Address (if available) cde@attglobal.net	

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).