

ENGINEERING STATEMENT
AMENDMENT TO PENDING APPLICATION
FCC FILE NO. BXMLEDT-20111220AGB
APPLICATION FOR CONSTRUCTION PERMIT FOR
AUXILIARY DTV OPERATION
ON BEHALF OF
WCTE-DT, COOKEVILLE, TENNESSEE
CHANNEL 22 57 KW ND ERP 412 METERS HAAT
JUNE 2013

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)

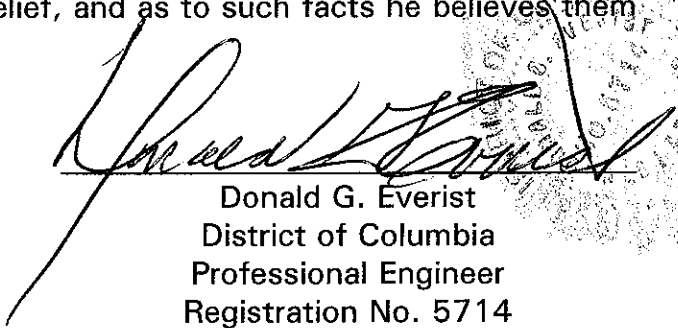
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

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 1420 N Street, N.W., Suite One, 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.

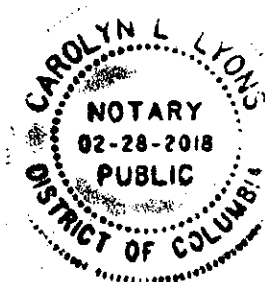

Donald G. Everist
District of Columbia
Professional Engineer
Registration No. 5714

Subscribed and sworn to before me this 10th day of June, 2013.



Notary Public

My Commission Expires: 2/28/2018



Introduction

This engineering statement has been prepared on behalf of the Upper Cumberland Broadcast Council, licensee of WCTE-DT, Cookeville, Tennessee, is an amendment to its pending application (FCC File No. BXMLEDT-20111220AGB in support of its request for authority to operate a formerly licensed digital operation as permitted by the FCC Rules, Section 73.1675(c)(1).

History

WCTE-DT as an interim step built, licensed, and operated the facilities specified herein at an ERP of 57 kW. That file number is BLEDT-20090729ACP. Subsequent WCTE-DT was authorized to build and is licensed with a higher ERP and HAAT. An exhibit provided that demonstrates that the proposed auxiliary operation's predicted 41 dBu is equal or less than that authorized by FCC File No. BLEDT-20110413ACS in accordance with Section 73.1675(a) of the FCC Rules.

WCTE-DT Auxiliary

The WCTE-DT tower as shown in Exhibit E-1 hosts a side-mounted antenna from which the Channel 22 DTV auxiliary station's signal will be transmitted. The overall structure height will remain unchanged as the auxiliary DTV antenna is side-mounted on the tower. The transmitter site is located on 10107 Woodcliff Road, Monterey, Tennessee 38574.

The Antenna Structure Registration No. is 1047124.

The geographic coordinates of the existing tower are:

North Latitude: 36° 10' 26"

West Longitude: 85° 20' 37"

NAD-27

Equipment Data
(No Change)

Antenna: ERI, Type ALP16M2-HSO-22 horizontally polarized antenna with 0.5° electrical beam tilt. See Exhibit E-2.

Transmission Line: Dielectric, 30 feet (9.1 meters) 3-1/8" rigid line, 50 ohm; 75 feet (22.9 meters) 6-1/8" rigid line, 75 ohm and 700 feet (213.4 meters) 8-3/16" rigid 75 ohm and 25 feet (7.62 meters), Andrew 3-1/8" Heliex air dielectric with a combined loss of 0.827 dB

Power Data

Transmitter output:	4.15 kW	6.19 dBk
Transmission Line Efficiency/Loss:	82.7%	0.827 dB
Input power to the antenna:	3.44 kW	5.36 dBk
Antenna power gain, Main Lobe	16.59	12.2 dB
Effective Radiated Power, Maximum	57 kW	17.56 dBk

Elevation Data
(No Change)

Vertical dimension of Channel 22 auxiliary side-mounted antenna	12.4 meters 40.8 feet
Elevation of site above mean sea level	608.7 meters 1997.1 feet
Overall height above ground of the proposed antenna and existing tower structure (including beacon)	245.4 meters 805.1 feet
Overall height above mean sea level of existing tower (including beacon)	854.1 meters 2802.2 feet

Center of radiation of Channel 22 auxiliary antenna above ground	216.3 meters 709.6 feet
Center of radiation of Channel 22 auxiliary antenna above mean sea level	825.0 meters 2706.7 feet
Antenna height above average terrain	412 meters 1351.7 feet

NOTE: Slight height differences result due to conversion to metric.

Coverage

Exhibit E-3 demonstrates that the proposed auxiliary operation's predicted 41 dBu contour is less than the WCTE-DT licensed operation.

Exhibit E-4 provides a detail of the predicted clearance by the proposed operation to that licensed.

Exhibit E-5 provides the coverage for this auxiliary operation.

FCC Rule, Section 1.1307

The proposed 57 kW operation will utilize an ERI, Type ALP16M2-HSO-22 antenna or the equivalent as described above with a center of radiation above ground of 216.3 meters. The antenna is side-mounted on the existing single guyed, uniform, cross-section, steel lattice tower with an overall height of 245.4 meters AGL.

There are no AM stations located within 3.22 km of the existing tower site. WGSQ(FM), Channel 234 (94.7 MHz) has an 8-bay antenna located on the same tower with a center of radiation at 213.3 meters above ground. According to the FCC data base as of October 14, 2011 other than WCTE-DT and WGSQ(FM), there are no other broadcast stations located within 500 meters. The

property on which the existing tower is situated is located on 10107 Woodcliff Road, Monterey, Tennessee 38574. Access to the tower is prevented by a chain link fence with a locked gate.

The proposed operation, based upon the current OET Bulletin No. 65, Edition No. 97-01, dated August 1997 and Supplement A, meets the provisions of the FCC radio frequency field ("RFF") guidelines, and thus, complies with Section 1.1307 of the FCC Rules. Provisions will be made to reduce power or to terminate the transmitter emissions, as appropriate, when it is necessary for authorized personnel to be on the tower. The calculated values of the individual RFF contributions are outlined below.

The elevation pattern provided by the manufacturer for the proposed DTV operation shows a maximum relative field of less than 0.25 towards the ground in the vicinity of the tower (see Exhibit E-2). Using this relative field factor and the procedures prescribed in OET Bulletin 65, the maximum RFF resulting from the proposed operation is less than 2.6 uW/cm^2 . This is less than 0.8% of the 347 uW/cm^2 maximum human exposure to RFF recommended by the current FCC guidelines for the general public.

WGSQ(FM) utilizes an 8-bay antenna with a center of radiation at 213.3 meters above ground. A typical relative field value toward the ground for a 8-bay FM antenna is 0.3. Using this relative field factor and the procedure prescribed in OET Bulletin No. 65, the maximum RFF resulting from the existing WGSQ(FM) operation at two meters above ground near the base of the tower is calculated to be less than $13.5 \text{ } \mu\text{W/cm}^2$. This is less than 6.8% of the $200 \text{ } \mu\text{W/cm}^2$ maximum uncontrolled exposure to RFF recommended by the current FCC guidelines for the general population.

The total contribution by the proposed DTV operation and the existing FM operation at 2 meters above ground level is less than 7.6% of the current FCC guidelines for general population exposure.

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 licensee 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 operation of an auxiliary DTV facility from an existing guyed 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 GROUND

ABOVE MEAN SEA LEVEL

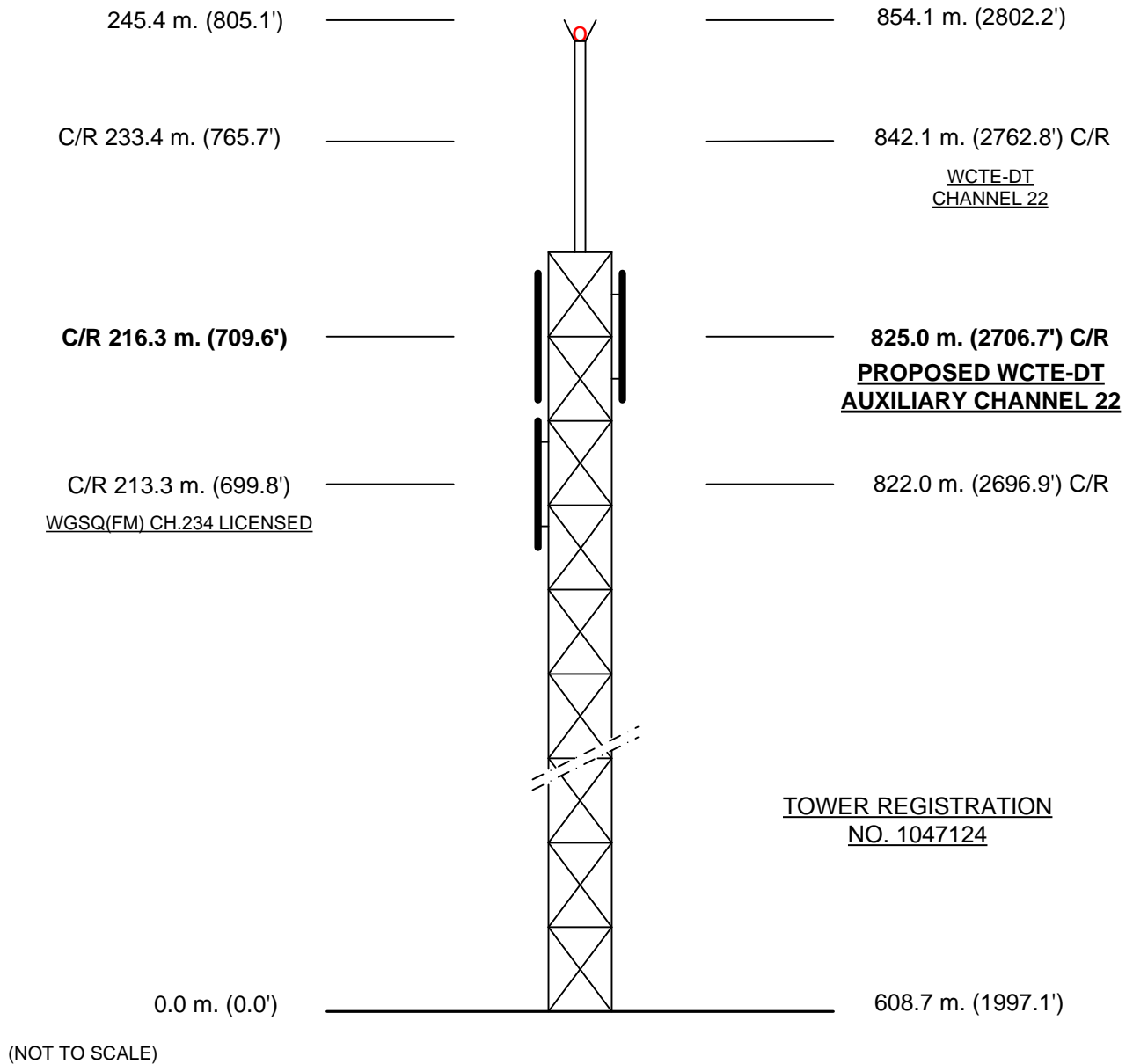


EXHIBIT E - 1
VERTICAL SKETCH
FOR THE PROPOSED AUXILIARY OPERATION OF
WCTE-DT, COOKEVILLE, TN
JUNE 2013

COHEN, DIPPELL AND EVERIST, P.C.

EXHIBIT E-2

ANTENNA MANUFACTURER DATA

WCTE-DT, COOKEVILLE, TENNESSEE

***PRELIMINARY SPECIFICATION FOR
ERI CARINA™ HORIZONTALLY POLARIZED
COAXIAL SLOTTED ARRAY ANTENNA***

*Prepared For
CCTS
Channel 22
WCTE Transmitter Monterey TN
January 6, 2009*

**ANTENNA TYPE:
ALP16M2-HSO-22**

SPECIFICATION NO:



PRELIMINARY SPECIFICATION FOR ERI CARINA™ HORIZONTALLY POLARIZED COAXIAL SLOTTED ARRAY ANTENNA

ELECTRICAL CHARACTERISTICS:

CHANNEL:	DTV:	22
FREQUENCY RANGE:	DTV:	518.00 - 524.00 MHz
AZIMUTH PATTERN NUMBER:	Hor Pol:	ALP-O
ELEVATION PATTERN NUMBER:	Hor Pol:	ALP16M2
AZIMUTH DIRECTIVITY:	Hor Pol:	1.00 (0.00 dB)
ELEVATION DIRECTIVITY:	Hor Pol:	16.59 (12.20 dBd)
PEAK POWER GAIN:	Hor Pol:	16.59 (12.20 dBd)
GAIN AT HORIZONTAL:	Hor Pol:	14.82 (11.71 dBd)
ELECTRICAL BEAM TILT:		-0.50 Degrees
INPUT POWER REQUIRED:		3.436 kW Average Power, 8VSB Digital
MAXIMUM INPUT POWER:		6.00 kW Average Power
INPUT TYPE:		3-1/8" EIA
ANTENNA VSWR (MAXIMUM):	DTV:	1.10 Over 6 MHz of Channel

Preliminary, subject to final design and review.

PRELIMINARY SPECIFICATION FOR ERI CARINA™ HORIZONTALLY POLARIZED COAXIAL SLOTTED ARRAY ANTENNA

MECHANICAL CHARACTERISTICS:

MOUNTING CONFIGURATION:

*(Tower Interface supplied and
installed by others.)

Side Mount

HEIGHT OF ANTENNA:

40.8 feet

HEIGHT OF CENTER OF
RADIATION:

20.4 feet

OVERALL HEIGHT (A):

40.8 feet

DEICING:

Unpressurized Slot Cover Radome Enclosure

RADOME DIAMETER (C):

CONTACT ERI

RADOME COLOR:

GRAY

CLIMBING DEVICE:

NOT APPLICABLE

CALCULATED WEIGHT¹:

240 lbs.

ANTENNA AREA³:

FRONT AREA:

$C_A A_C$: 14.5 square feet

A_C : 12.0 square feet

SIDE AREA:

$C_A A_C$: 21.2 square feet

A_C : 17.7 square feet

This antenna is designed to be supported by a structure that can resist the antenna base reactions and which provides a support that is rigid in the three translational and three rotational degrees of freedom.

¹ Calculated weight is based on the PRELIMINARY design of the antenna. The actual weight of the antenna will be within $\pm 10\%$ of the calculated weight. The actual weight will be given in the technical manual that accompanies the antenna.

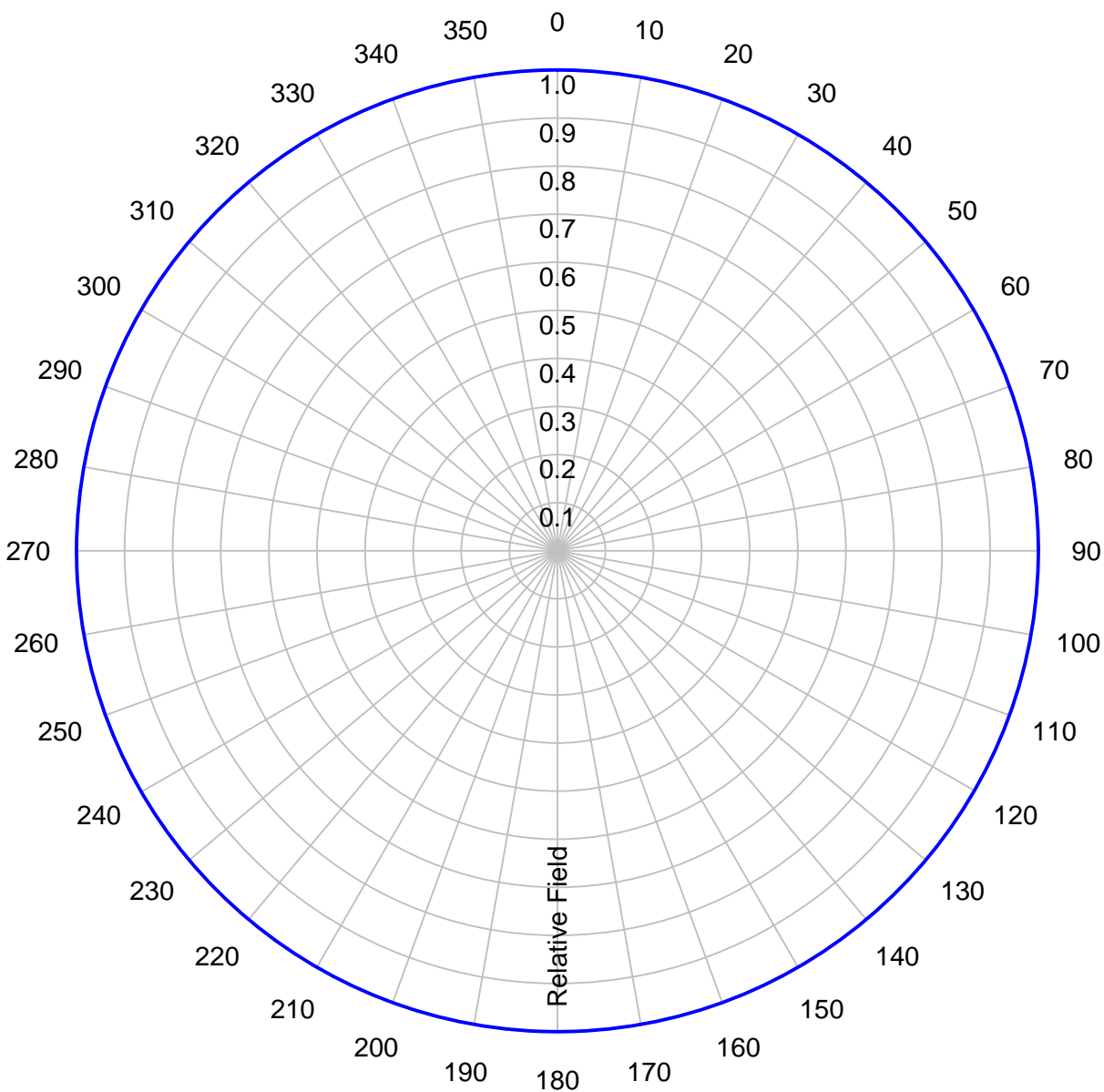
³ Antenna Area is calculated per EIA/TIA-RS222-F.

Note: Localized conditions may require higher wind speed specifications than TIA/EIA specifications. Check with local authorities to verify wind speed requirements.

Preliminary, subject to final design and review.

AZIMUTH PATTERN**Type:****ALP-O****Directivity:****Numeric****1.00****dBd****0.00****Peak(s) at:****Channel:****22****Location:** **WCTE Transmitter Monterey TN****Polarization:** **Horizontal**

Note: Pattern shape and directivity may vary with channel and mouting configuration.

*Preliminary, subject to final design and review.*

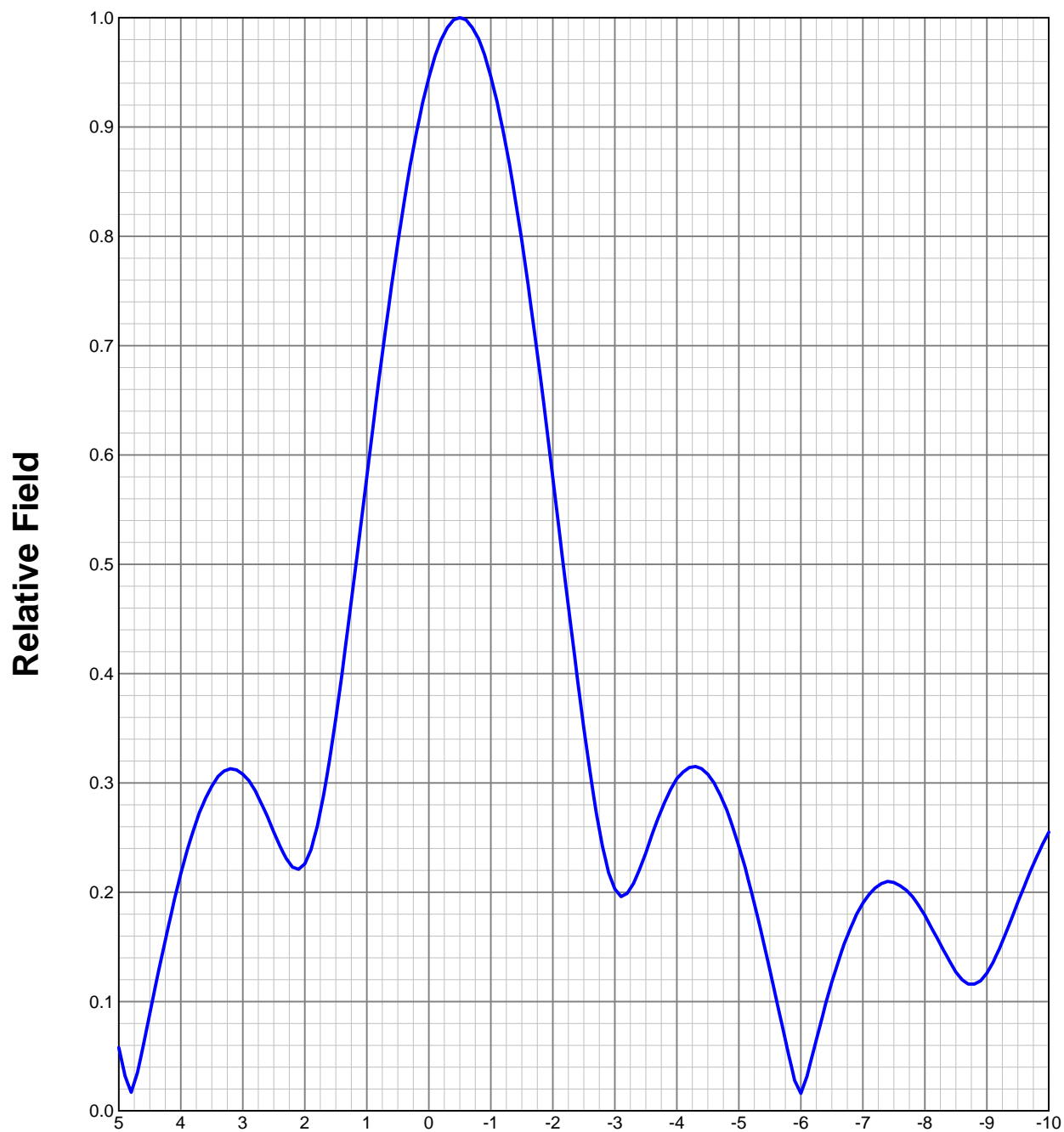
TABULATED DATA FOR AZIMUTH PATTERN

Type: ALP-O

PolarizationHorizontal

ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB	ANGLE	FIELD	dB
0	1.000	0.00	92	1.000	0.00	184	1.000	0.00	276	1.000	0.00
2	1.000	0.00	94	1.000	0.00	186	1.000	0.00	278	1.000	0.00
4	1.000	0.00	96	1.000	0.00	188	1.000	0.00	280	1.000	0.00
6	1.000	0.00	98	1.000	0.00	190	1.000	0.00	282	1.000	0.00
8	1.000	0.00	100	1.000	0.00	192	1.000	0.00	284	1.000	0.00
10	1.000	0.00	102	1.000	0.00	194	1.000	0.00	286	1.000	0.00
12	1.000	0.00	104	1.000	0.00	196	1.000	0.00	288	1.000	0.00
14	1.000	0.00	106	1.000	0.00	198	1.000	0.00	290	1.000	0.00
16	1.000	0.00	108	1.000	0.00	200	1.000	0.00	292	1.000	0.00
18	1.000	0.00	110	1.000	0.00	202	1.000	0.00	294	1.000	0.00
20	1.000	0.00	112	1.000	0.00	204	1.000	0.00	296	1.000	0.00
22	1.000	0.00	114	1.000	0.00	206	1.000	0.00	298	1.000	0.00
24	1.000	0.00	116	1.000	0.00	208	1.000	0.00	300	1.000	0.00
26	1.000	0.00	118	1.000	0.00	210	1.000	0.00	302	1.000	0.00
28	1.000	0.00	120	1.000	0.00	212	1.000	0.00	304	1.000	0.00
30	1.000	0.00	122	1.000	0.00	214	1.000	0.00	306	1.000	0.00
32	1.000	0.00	124	1.000	0.00	216	1.000	0.00	308	1.000	0.00
34	1.000	0.00	126	1.000	0.00	218	1.000	0.00	310	1.000	0.00
36	1.000	0.00	128	1.000	0.00	220	1.000	0.00	312	1.000	0.00
38	1.000	0.00	130	1.000	0.00	222	1.000	0.00	314	1.000	0.00
40	1.000	0.00	132	1.000	0.00	224	1.000	0.00	316	1.000	0.00
42	1.000	0.00	134	1.000	0.00	226	1.000	0.00	318	1.000	0.00
44	1.000	0.00	136	1.000	0.00	228	1.000	0.00	320	1.000	0.00
46	1.000	0.00	138	1.000	0.00	230	1.000	0.00	322	1.000	0.00
48	1.000	0.00	140	1.000	0.00	232	1.000	0.00	324	1.000	0.00
50	1.000	0.00	142	1.000	0.00	234	1.000	0.00	326	1.000	0.00
52	1.000	0.00	144	1.000	0.00	236	1.000	0.00	328	1.000	0.00
54	1.000	0.00	146	1.000	0.00	238	1.000	0.00	330	1.000	0.00
56	1.000	0.00	148	1.000	0.00	240	1.000	0.00	332	1.000	0.00
58	1.000	0.00	150	1.000	0.00	242	1.000	0.00	334	1.000	0.00
60	1.000	0.00	152	1.000	0.00	244	1.000	0.00	336	1.000	0.00
62	1.000	0.00	154	1.000	0.00	246	1.000	0.00	338	1.000	0.00
64	1.000	0.00	156	1.000	0.00	248	1.000	0.00	340	1.000	0.00
66	1.000	0.00	158	1.000	0.00	250	1.000	0.00	342	1.000	0.00
68	1.000	0.00	160	1.000	0.00	252	1.000	0.00	344	1.000	0.00
70	1.000	0.00	162	1.000	0.00	254	1.000	0.00	346	1.000	0.00
72	1.000	0.00	164	1.000	0.00	256	1.000	0.00	348	1.000	0.00
74	1.000	0.00	166	1.000	0.00	258	1.000	0.00	350	1.000	0.00
76	1.000	0.00	168	1.000	0.00	260	1.000	0.00	352	1.000	0.00
78	1.000	0.00	170	1.000	0.00	262	1.000	0.00	354	1.000	0.00
80	1.000	0.00	172	1.000	0.00	264	1.000	0.00	356	1.000	0.00
82	1.000	0.00	174	1.000	0.00	266	1.000	0.00	358	1.000	0.00
84	1.000	0.00	176	1.000	0.00	268	1.000	0.00	360	1.000	0.00
86	1.000	0.00	178	1.000	0.00	270	1.000	0.00			
88	1.000	0.00	180	1.000	0.00	272	1.000	0.00			
90	1.000	0.00	182	1.000	0.00	274	1.000	0.00			

Preliminary, subject to final design and review.

ELEVATION PATTERN**Type:****ALP16M2****Channel:****22****Directivity:****Numeric****dBd****Main Lobe:****16.59****12.20****Horizontal:****14.82****11.71****Location** **WCTE Transmitter Monterey TN****Beam Tilt:****-0.50****Polarization:****Horizontal***Preliminary, subject to final design and review.*

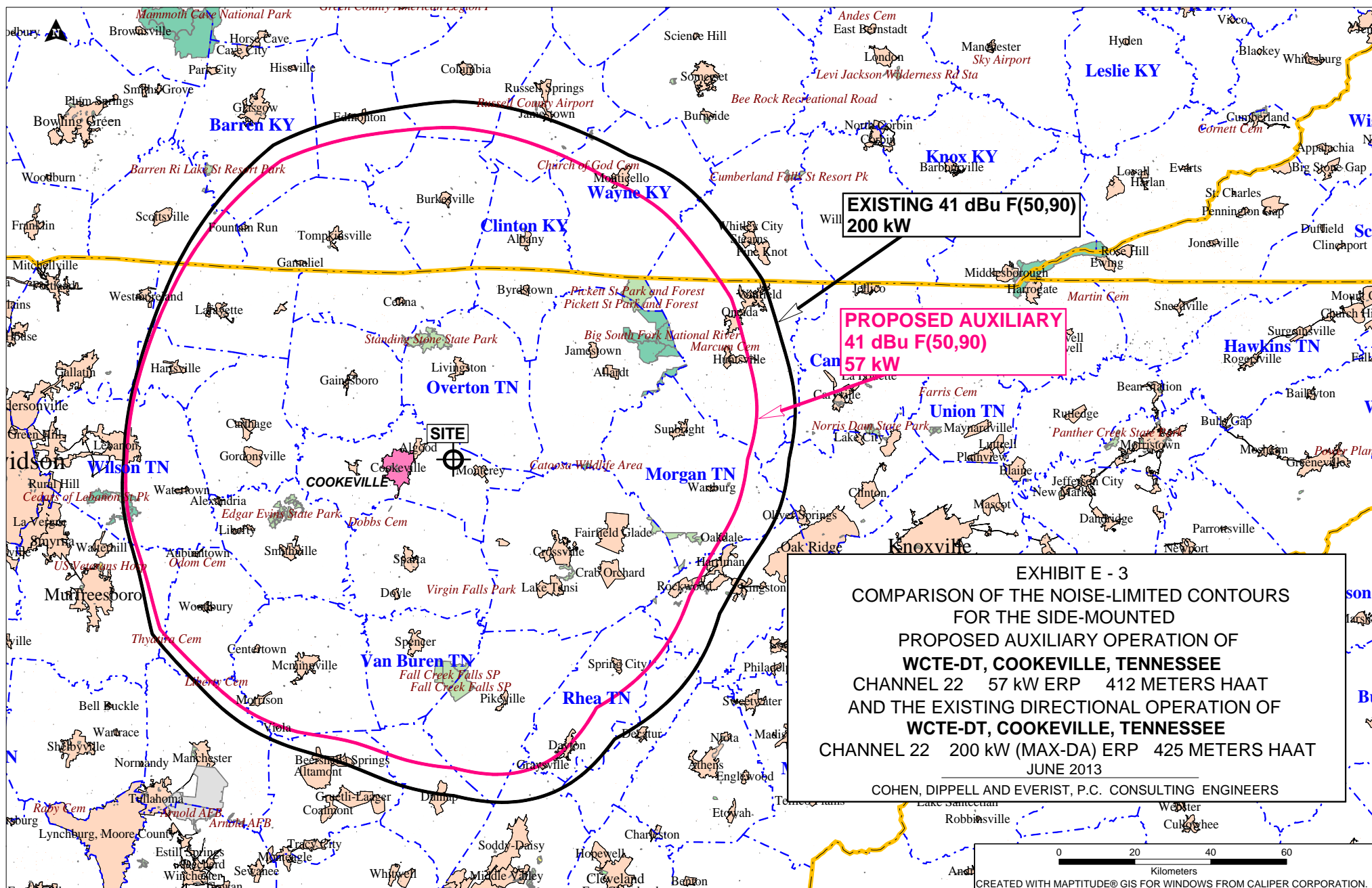
TABULATED DATA FOR ELEVATION PATTERN

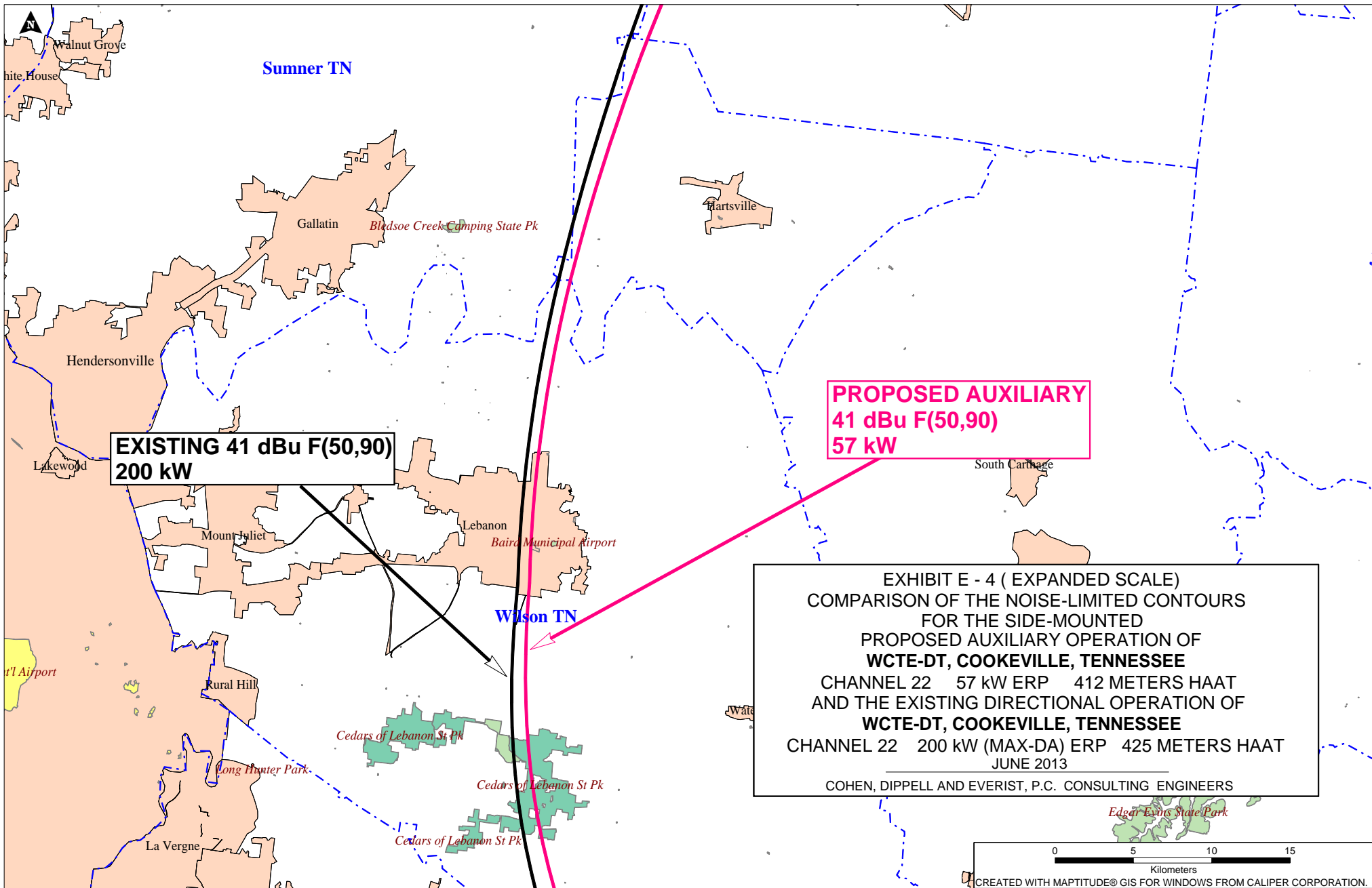
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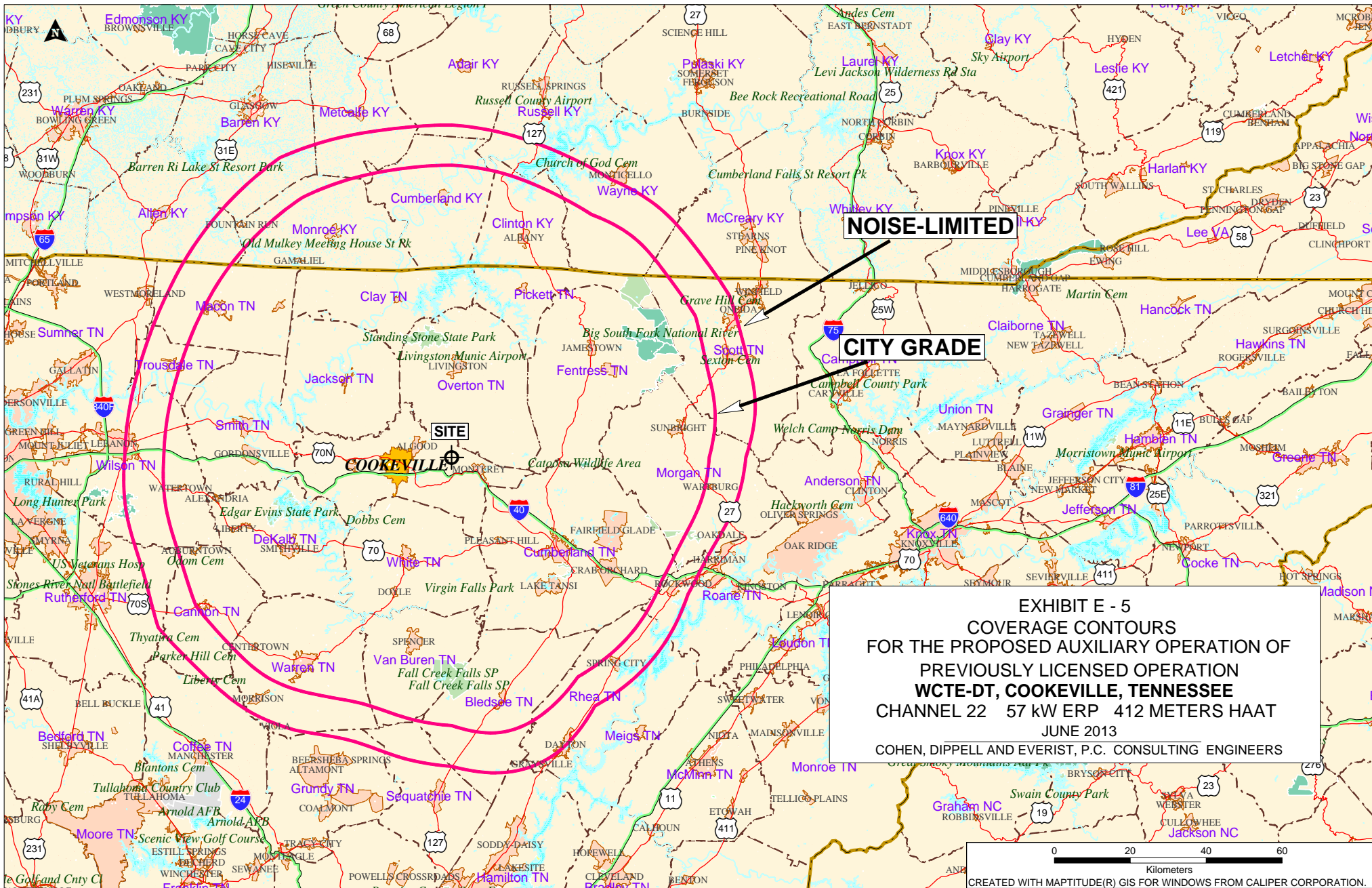
PolarizationHorizontal

ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB	ANGLEFIELD	dB
5.00	0.058	-24.73	-6.75	0.160	-15.92	-27.00	0.043	-27.33	-50.50
4.75	0.026	-31.70	-7.00	0.190	-14.42	-27.50	0.031	-30.17	-51.00
4.50	0.089	-21.01	-7.25	0.206	-13.72	-28.00	0.017	-35.39	-51.50
4.25	0.156	-16.14	-7.50	0.209	-13.60	-28.50	0.004	-47.96	-52.00
4.00	0.217	-13.27	-7.75	0.199	-14.02	-29.00	0.003	-50.46	-52.50
3.75	0.265	-11.55	-8.00	0.179	-14.94	-29.50	0.004	-47.96	-53.00
3.50	0.297	-10.54	-8.25	0.153	-16.33	-30.00	0.000	-40.00	-53.50
3.25	0.312	-10.12	-8.50	0.127	-17.92	-30.50	0.007	-43.10	-54.00
3.00	0.308	-10.23	-8.75	0.116	-18.71	-31.00	0.012	-38.42	-54.50
2.75	0.287	-10.84	-9.00	0.126	-17.99	-31.50	0.014	-37.08	-55.00
2.50	0.255	-11.87	-9.25	0.155	-16.19	-32.00	0.017	-35.39	-55.50
2.25	0.227	-12.88	-9.50	0.191	-14.38	-32.50	0.031	-30.17	-56.00
2.00	0.226	-12.92	-9.75	0.226	-12.94	-33.00	0.055	-25.19	-56.50
1.75	0.274	-11.24	-10.00	0.255	-11.87	-33.50	0.085	-21.41	-57.00
1.50	0.359	-8.90	-10.50	0.289	-10.78	-34.00	0.115	-18.79	-57.50
1.25	0.467	-6.62	-11.00	0.284	-10.93	-34.50	0.140	-17.08	-58.00
1.00	0.580	-4.73	-11.50	0.246	-12.18	-35.00	0.156	-16.14	-58.50
0.75	0.693	-3.19	-12.00	0.186	-14.61	-35.50	0.159	-15.97	-59.00
0.50	0.794	-2.00	-12.50	0.120	-18.42	-36.00	0.149	-16.54	-59.50
0.25	0.880	-1.11	-13.00	0.063	-24.01	-36.50	0.128	-17.86	-60.00
0.00	0.945	-0.49	-13.50	0.024	-32.40	-37.00	0.098	-20.18	-60.50
-0.25	0.986	-0.13	-14.00	0.007	-43.10	-37.50	0.066	-23.61	-61.00
-0.50	1.000	0.00	-14.50	0.000	-40.00	-38.00	0.043	-27.33	-61.50
-0.75	0.986	-0.12	-15.00	0.013	-37.72	-38.50	0.045	-26.94	-62.00
-1.00	0.946	-0.48	-15.50	0.025	-32.04	-39.00	0.058	-24.73	-62.50
-1.25	0.881	-1.10	-16.00	0.029	-30.75	-39.50	0.068	-23.35	-63.00
-1.50	0.796	-1.98	-16.50	0.021	-33.56	-40.00	0.068	-23.35	-63.50
-1.75	0.693	-3.19	-17.00	0.003	-50.46	-40.50	0.059	-24.58	-64.00
-2.00	0.579	-4.75	-17.50	0.027	-31.37	-41.00	0.042	-27.54	-64.50
-2.25	0.462	-6.71	-18.00	0.053	-25.51	-41.50	0.021	-33.56	-65.00
-2.50	0.350	-9.12	-18.50	0.069	-23.22	-42.00	0.004	-47.96	-65.50
-2.75	0.258	-11.78	-19.00	0.071	-22.97	-42.50	0.021	-33.56	-66.00
-3.00	0.203	-13.85	-19.50	0.059	-24.58	-43.00	0.035	-29.12	-66.50
-3.25	0.204	-13.83	-20.00	0.057	-24.88	-43.50	0.042	-27.54	-67.00
-3.50	0.236	-12.54	-20.50	0.090	-20.92	-44.00	0.042	-27.54	-67.50
-3.75	0.275	-11.21	-21.00	0.141	-17.02	-44.50	0.037	-28.64	-68.00
-4.00	0.304	-10.34	-21.50	0.190	-14.42	-45.00	0.029	-30.75	-68.50
-4.25	0.315	-10.05	-22.00	0.224	-13.00	-45.50	0.021	-33.56	-69.00
-4.50	0.308	-10.23	-22.50	0.237	-12.51	-46.00	0.018	-34.89	-69.50
-4.75	0.282	-10.98	-23.00	0.227	-12.88	-46.50	0.021	-33.56	-70.00
-5.00	0.242	-12.32	-23.50	0.196	-14.15	-47.00	0.023	-32.77	-70.50
-5.25	0.190	-14.45	-24.00	0.150	-16.48	-47.50	0.021	-33.56	-71.00
-5.50	0.129	-17.79	-24.50	0.100	-20.00	-48.00	0.014	-37.08	-71.50
-5.75	0.065	-23.74	-25.00	0.056	-25.04	-48.50	0.002	-53.98	-72.00
-6.00	0.016	-35.92	-25.50	0.036	-28.87	-49.00	0.012	-38.42	-72.50
-6.25	0.065	-23.74	-26.00	0.042	-27.54	-49.50	0.027	-31.37	-73.00
-6.50	0.118	-18.56	-26.50	0.047	-26.56	-50.00	0.041	-27.74	-73.50

Preliminary, subject to final design and review.







NOISE-LIMITED

CITY GRADE

SITE

COOKEVILLE

EXHIBIT E - 5
COVERAGE CONTOURS
FOR THE PROPOSED AUXILIARY OPERATION OF
PREVIOUSLY LICENSED OPERATION
WCTE-DT, COOKEVILLE, TENNESSEE
CHANNEL 22 57 kW ERP 412 METERS HAAT
JUNE 2013
COHEN, DIPPELL AND EVERIST, P.C. CONSULTING ENGINEERS

0 20 40 60
Kilometers
CREATED WITH MAPTITUDE(R) GIS FOR WINDOWS FROM CALIPER CORPORATION.

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.

1. Channel _____

2. Operating Constants

Transmitter power output (average power at input to transmission line, after any filter attached to the transmitter, if used)		Transmission line power loss
	kW	dB
Antenna Input power	Maximum antenna power gain	Effective radiated power (average power)
dBk	dB	kW
		dBk

3. Antenna Data

Manufacturer	Model
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CERTIFICATION

4. **Main Studio Location.** The main studio location complies with 47 C.F.R. Section 73.1125. ☐ Yes ☐ No

See Explanation in Exhibit No.

5. **Constructed Facility.** The facility was constructed as authorized in the underlying construction permit or complies with 47 C.F.R. Section 73.1690. ☐ Yes ☐ No

See Explanation in Exhibit No.

6. **Special Operating Conditions.** The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. ☐ Yes ☐ No

See Explanation in Exhibit No.

An exhibit may be required. Review the underlying construction permit.

Exhibit No.

7. **Transmitter.** The transmitter complies with 47 C.F.R. Section 73.1660. ☐ Yes ☐ No

See Explanation in Exhibit No.

FCC Form 302-DTV (Page 4)

APPLICATION FILED PURSUANT TO 47 C.F.R. SECTIONS 73.1675(c) or 73.1690(c).

Only applicants filing this application pursuant to 47 C.F.R. Sections 73.1675(c) or 73.1690(c) must complete the following section.

8. **Changing transmitter power output.** Is this application being filed to authorize a change in transmitter power output caused by the replacement of an omnidirectional antenna with another omnidirectional antenna or an alteration of the transmission line system? See 47 C.F.R. Sections 73.1690(c)(1) and (c)(10). ☐ Yes ☐ No

9. **Replacing a directional antenna.** Is this application being filed pursuant to 47 C.F.R. Section 73.1690(c)(3) to replace a directional antenna with another directional antenna? ☐ Yes ☐ No

If "Yes" to the above, the applicant certifies the following:

- a. **Pattern of Directional Antenna.** The proposed theoretical antenna pattern complies with 47 C.F.R. Section 73.1690(c)(3). **Exhibit is required.** ☐ Yes ☐ No

See Explanation in Exhibit No.

Exhibit No.
10. Use a **formerly licensed main facility as an auxiliary facility.** Is this application being filed pursuant to 47 C.F.R. Section 73.1675(c)(1) to request authorization to use a formerly licensed main facility as an auxiliary facility and/or change the ERP of the proposed auxiliary facility? ☐ Yes ☐ No

If "Yes" to the above, the applicant certifies the following:

- a. **Auxiliary antenna service area.** The proposed auxiliary facility complies with 47 C.F.R. Section 73.1675(a). **Exhibit is required.** ☐ Yes ☐ No

See Explanation in Exhibit No.
- b. **Environmental Protection Act.** 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 radio frequency electromagnetic exposure limits for controlled and uncontrolled environments). ☐ Yes ☐ No

See Explanation in Exhibit No.

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 radio frequency electromagnetic exposure in excess of FCC guidelines.

11. **Change the license status.** Is this application being filed pursuant to 47 C.F.R. Section 73.1690(c)(9) to change the license status from commercial to noncommercial or from noncommercial to commercial? ☐ Yes ☐ No

Exhibit No.

If "Yes" to the above, submit an exhibit providing full particulars. For applications changing license status from commercial to noncommercial, include Section II of FCC Form 340 as an exhibit to this application.

PREPARER'S CERTIFICATION ON PAGE 6 MUST BE COMPLETED AND SIGNED.

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		Relationship to Applicant (e.g., Consulting Engineer)	
Signature		Date	
Mailing Address			
City		State or Country (if foreign address)	ZIP Code
Telephone Number (include area code)		E-Mail Address (if available)	

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).