

ENGINEERING STATEMENT
TECHNICAL INFORMATION IN SUPPORT
OF A CONSTRUCTION PERMIT FOR
AN EXISTING TELEVISION TRANSLATOR
K20DY, BELGRADE, MONTANA
CHANNEL 20 (-) 6.85 KW MAX ERP

MARCH 2005

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)

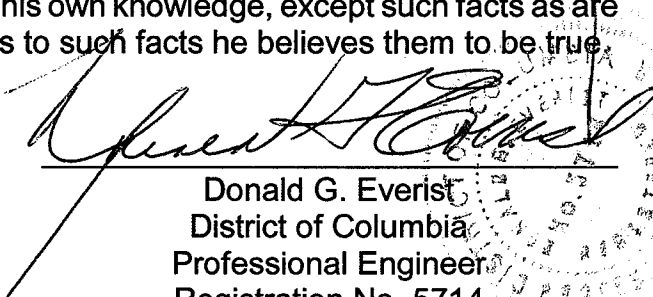
Donald G. Everist, being duly sworn upon his oath, deposes and states that:

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;

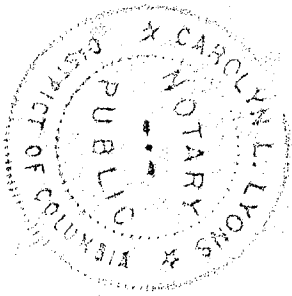
That his qualifications are a matter of record in the Federal Communications Commission;

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 9th day of March, 2005.




Notary Public

My Commission Expires: 2/28/2008

COHEN, DIPPELL AND EVERIST, P. C.

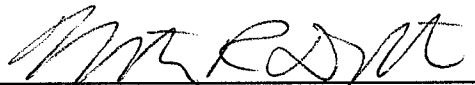
City of Washington)
) ss
District of Columbia)

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;

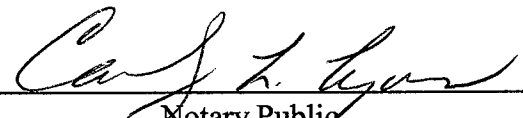
That the attached engineering report was prepared by him or under his supervision and direction and

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.



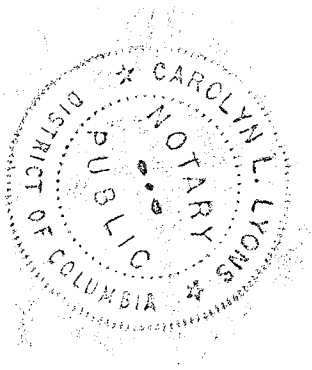
Martin R. Doczkat

Subscribed and sworn to before me this 9th day of March, 2005.



Notary Public

My Commission Expires: 2/28/2008



Introduction

This engineering statement has been prepared on behalf of Montana State University in support of its request for a construction permit for the licensed TV translator facility K20DY, Belgrade, Montana. This application proposes to increase the effective radiated power (“ERP”) of K20DY from 0.685 kW as presently authorized by the license to 6.85 kW using the antenna currently authorized by the license.

Transmitter Site

The existing antenna is mounted to the existing tower where the authorized K20DY facility is currently located. The tower is located 4.5 miles southwest of Four Corners Junction where Highways 191, 291, and 289 intersect. This location can be found on United States Geological Survey quadrangle map, Anceney, Montana. The geographic coordinates of the site are as follows:

North Latitude: 45° 38’ 15”

West Longitude: 111° 16’ 01”

NAD-27

Elevation Data

Elevation of site above mean sea level	1706.5 meters 5598.8 feet
Overall height above ground of the existing antenna structure (including appurtenances)	31.5 meters 103.3 feet
Overall height above mean sea level of the existing antenna structure (including appurtenances)	1738 meters 5702.1 feet
Center of radiation of antenna above ground level	30.5 meters 100.1 feet
Center of radiation of antenna above mean sea level	1737 meters 5698.8 feet

Equipment Data

Transmitter:	Type-Approved
Transmission Line:	Andrew Type HJ7-50A, 1-5/8", 40.0 meters with 86.5% efficiency
Antenna:	Scala, 4DR-8-2HW with maximum gain of 7.08 (8.5 dB) and no beam tilt

The transmitter with typical power output of 1.12 kW will deliver 0.97 kW to the input of the antenna. The antenna, having a maximum gain of 7.08, will produce maximum ERP of 6.85 kW at a bearing of N 15° E. A coverage map of the proposed facility has been included as Exhibit E-1 of this report. The antenna azimuth pattern and elevation pattern are included as Exhibit E-2.

Other Broadcast Facilities

A brief analysis was completed to determine the presence of stations in the vicinity of the K20DY tower using the March 9, 2005, data contained within the Commission's Consolidated Database System. Two authorized FM radio stations were found within 500 meters of the tower and two other authorized low power television stations and a Class A station were also found within 500 meters in addition to the applicant's current authorized K20DY facility. The search did not return any AM stations within 5 km of the proposed site. Although no adverse effects are expected due to the proposed changes to K20DY, the applicant will install filters or take other measures necessary to resolve any problems provided they are related to the changes proposed in this application.

The proposed site is located 100.2 km from the KWYB-DT site. The licensee of KWYB-DT, MMM License, LLC, currently has a construction permit on file to operate from its allotted site. The KWYB-DT protected 41dBu contour extends approximately 105 km in the direction of K20DY, subsequently including the K20DY site within its protected contour.

However, a Longley-Rice analysis of the interference caused to KWYB-DT from K20DY was performed. The results of the analysis (see Table I) show that the proposed K20DY causes no new interference to KWYB-DT. Therefore, Montana State University hereby requests a waiver of the interference protection rules specified in Section 74.705(e) by making full use of the Longley-Rice terrain dependent propagation prediction model. A grant of this waiver will be in the public interest since Montana State University provides the only PBS material in the area of Bozeman, Montana.

Environmental Statement

An evaluation has been made to determine compliance with the FCC specified standards for human exposure to radio frequency field ("RFF") as set forth in the OET Bulletin No. 65, Edition 97-01, August 1997. A proposed maximum effective radiated power of 6.85 kW, antenna radiation center of 30 meters above ground level, and a downward radiation factor of 0.2, based on the attached vertical pattern, Exhibit E-2c, will cause less than $6 \mu\text{W}/\text{cm}^2$ near the base of the tower. This is less than 0.4% of the maximum allowed occupational exposure value and less than 1.8% of the maximum allowed uncontrolled exposure value for operation on Channel 20.

The other major contributors in the area are FM stations K218DN and KBMC(FM), television translators KBTZ-LP and K45EB, and Class A station K26DE. The total contribution to the RF fields around the tower made by these listed authorized facilities is less than 8.1% of the maximum allowed occupational exposure value and less than 41% of the maximum allowed uncontrolled exposure value. The total resulting RF fields around the base of the tower should be less than 43% of the allowed uncontrolled exposure value. Therefore, it is believed that members of the public and personnel working near the proposed transmitting facility will not be exposed to levels above those prescribed by the current FCC guidelines. With respect to work performed near the radiating elements, the licensee will establish procedures in coordination

with other operating stations to ensure that the workers are not exposed to levels of radio frequency radiation levels exceeding current FCC guidelines for controlled exposure.

An environmental assessment (“EA”) is categorically excluded under Section 1.1306 of the FCC Rules and Regulations since the applicant indicates:

- (a)(1) The proposed facilities are not located in an officially designated wilderness area.
- (a)(2) The proposed facilities are 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 will not affect any known districts, sites, buildings, structures, or objects significant in American history, architecture, archaeology, engineering, or culture.
- (a)(5) The proposed facilities are not located near any known Indian religious sites.
- (a)(6) The proposed facilities are not located in a flood plain.
- (a)(7) The installation of the DTV facilities on an existing tower at an existing site will not involve a significant change in surface features of the ground in the vicinity of the tower.
- (a)(8) The existing tower lighting will remain unchanged.
- (b) Workers and the general public will not be subjected to RFF levels in excess of the current FCC guidelines contained in OET Bulletin 65 (Edition 97-01) and Supplement A. Authorized personnel will be alerted to areas of the antennas where potential radiation levels are in excess of the FCC guidelines. A security fence with a locked gate precludes access to the tower site.

TABLE I
PREDICTED LONGLEY-RICE INTERFERENCE
FOR THE PROPOSED OPERATION OF
K20DY 6.85 KW ERP MAX DA 1737 M RCAMSL
CHANNEL 20 (-), BELGRADE, MONTANA
MARCH 2005

<u>Channel</u>	<u>Call</u>	<u>City/State</u>	<u>Dist(km)</u>	<u>Status</u>	<u>Application</u>	<u>Ref. No.</u>	<u>Results</u>
17	K17BT	LIVINGSTON MT	56.2	LIC	BLTTL	-19880316ID	no interference
18	KWYB	BUTTE MT	99.8	LIC	BLCT	-19961010KF	no interference
19	KWYB	BUTTE MT	99.8	CP	BPCDT	-19991101AJX	no interference
19	KWYB-DT	BUTTE MT	99.8	ALLOT			no interference
19	K19CO	EMIGRANT MT	56.2	LIC	BLTT	-19911118JH	no interference
20	950306KF	IDAHO FALLS ID	215.5	CP	BPCT	-19950306KF	no interference
20	950512KG	IDAHO FALLS ID	261.9	APP	BPCT	-19950512KG	no interference
20	KSVT-LP	KETCHUM ID	332.2	LIC	BLTTL	-19960911JE	no interference
20	K20HB	BILLINGS MT	218.5	LIC	BLTT	-20041123AKE	no interference
20	K20CP	ELMO MT	329.6	LIC	BLTT	-19911029JI	no interference
20	K20BP	PHILLIPS (MT	329.1	LIC	BLTT	-19890313IR	no interference
21	NEW	BUTTE MT	107.5	APP	BNPTTL	-20000830BCV	no interference
21	KHBB-LP	HELENA MT	138.7	LIC	BLTT	-19930108JL	no interference
22	NEW	BUTTE MT	99.8	APP	BNPTT	-20000830BDP	no interference
22	K22HD	BUTTE MT	111	CP	BNPTTL	-20000831BOI	no interference
23	NEW	BOZEMAN MT	10.7	APP	BNPTTL	-20000807AAO	no interference
23	NEW	BOZEMAN MT	16.6	APP	BNPTTL	-20000831CJY	no interference
23	NEW	BOZEMAN MT	31.2	APP	BNPTTL	-20000831BOK	no interference
23	NEW	HELENA MT	136.4	APP	BNPTTL	-20000829AJY	no interference
27	K27CD	BOULDER MT	97.3	LIC	BLTTL	-19910322IA	no interference
27	K27DL	EMIGRANT MT	56.2	LIC	BLTT	-19901226IX	no interference
28	KWYB-LP	BOZEMAN MT	31.2	LIC	BLTTL	-19971008JB	no interference
28	K28AZ	WEST YEL MT	98.5	LIC	BLTT	-19880426IB	no interference

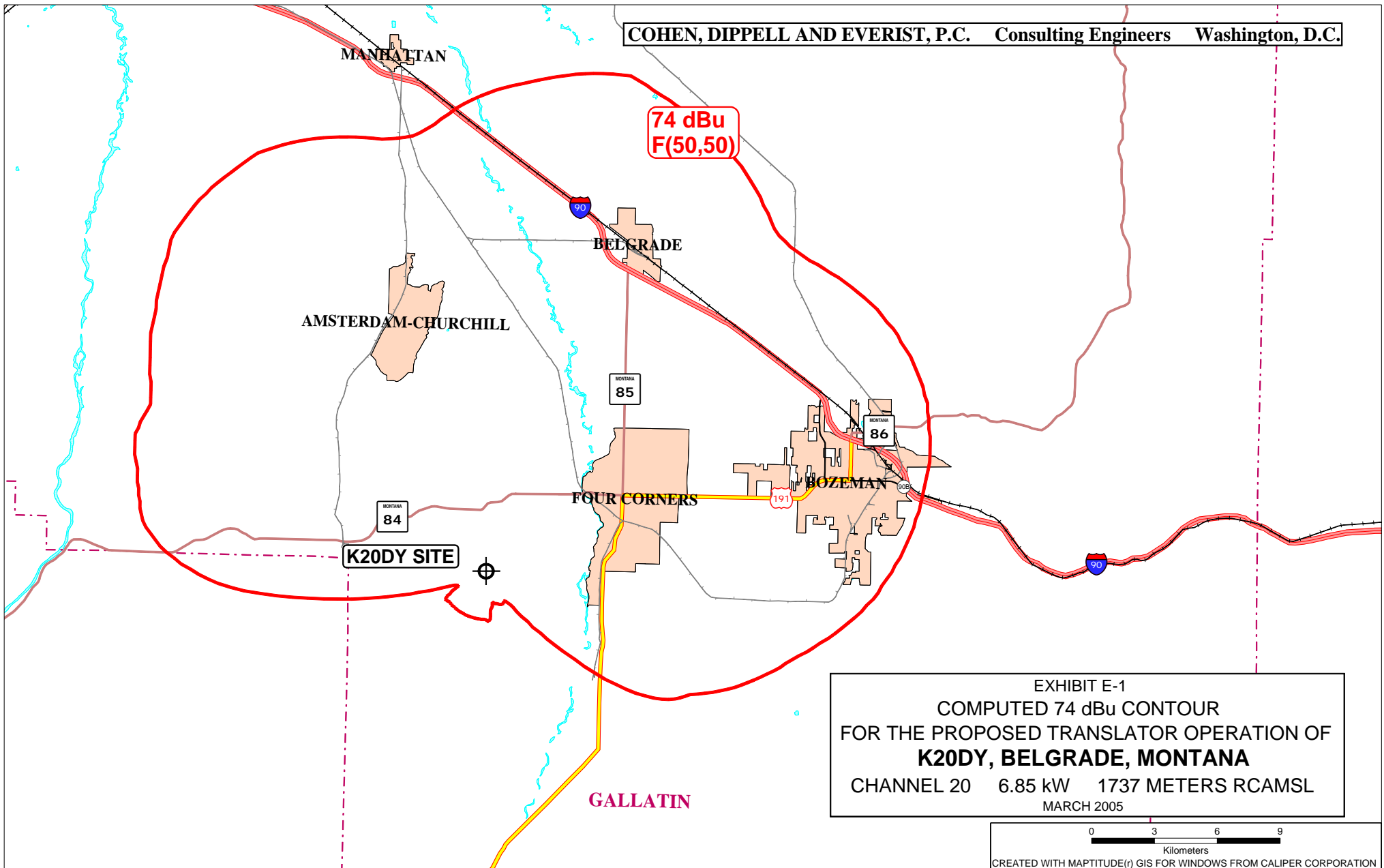
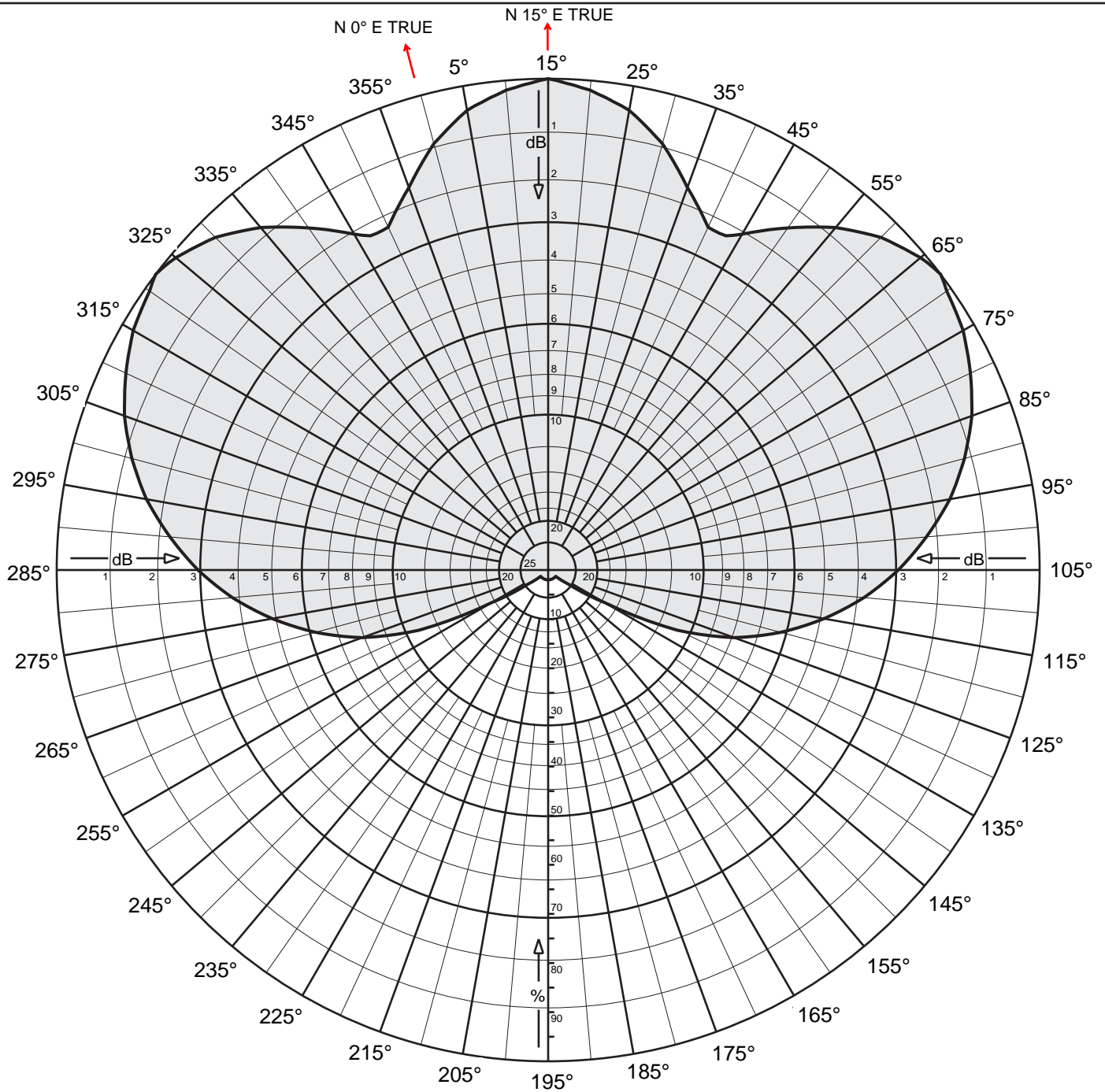


EXHIBIT E-2

ANTENNA MANUFACTURER DATA

K20DY, BELGRADE, MONTANA

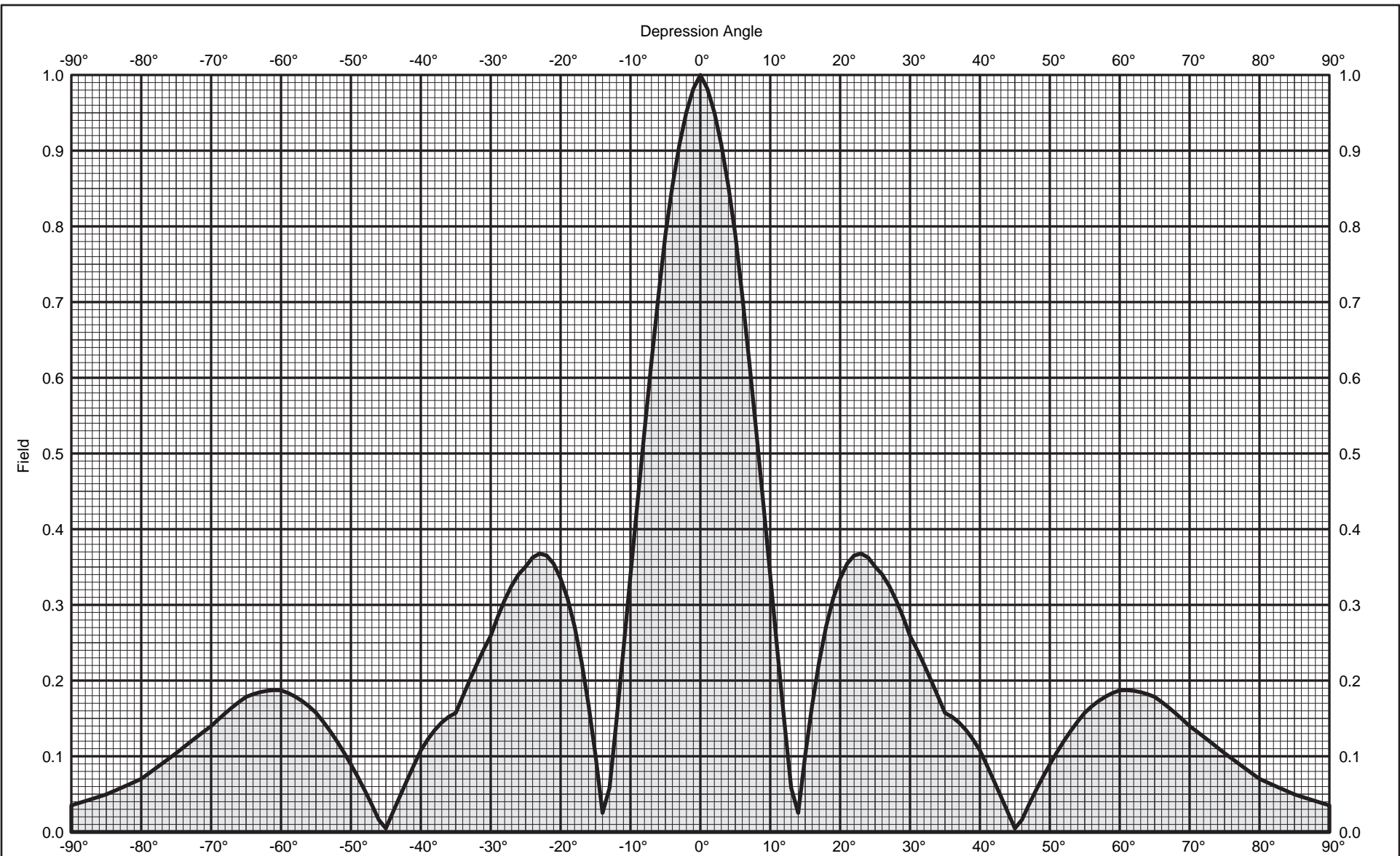


4DR-8-2HW Parapanel Array
 Channel - 20
 8.5 dBd Gain
 Horizontal polarization
 Vertical stack
 Horizontal plane Pattern

ORIENTATION PROVIDED BY
 COHEN, DIPPELL AND EVERIST, P.C.

EXHIBIT E-2b
TABULATION OF RELATIVE FIELD
FOR THE SCALA 4DR-8-2HW
VERTICAL STACK PARAPANEL ARRAY
8.5 dBd GAIN, CHANNEL 20
K20DY, BELGRADE, MONTANA
MARCH 2005

<u>Angle</u>	<u>Field</u>	<u>Angle</u>	<u>Field</u>	<u>Angle</u>	<u>Field</u>
0	0.899	120	0.490	240	0.020
5	0.950	125	0.403	245	0.020
10	0.980	130	0.290	250	0.050
15	1.000	135	0.132	255	0.132
20	0.980	140	0.050	260	0.290
25	0.950	145	0.020	265	0.403
30	0.899	150	0.020	270	0.490
35	0.829	155	0.020	275	0.570
40	0.770	160	0.020	280	0.645
45	0.789	165	0.020	285	0.712
50	0.850	170	0.020	290	0.772
55	0.910	175	0.020	295	0.830
60	0.957	180	0.020	300	0.877
65	0.989	185	0.020	305	0.917
70	0.990	190	0.020	310	0.948
75	0.975	195	0.020	315	0.975
80	0.948	200	0.020	320	0.990
85	0.917	205	0.020	325	0.989
90	0.877	210	0.020	330	0.957
95	0.830	215	0.020	335	0.910
100	0.772	220	0.020	340	0.850
105	0.712	225	0.020	345	0.789
110	0.645	230	0.020	350	0.770
115	0.570	235	0.020	355	0.829



4DR-8-2HW Parapanel Array

Channel - 20

8.5 dBd Gain

Horizontal polarization

Vertical stack

Vertical plane Pattern



4DR-8-2HW Parapanel Array

Channel - 20

8.5 dBd Gain

Horizontal polarization

Vertical stack

Vertical plane Pattern

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
-90	0.035	-29.08	-20.58	0.01	-45	0.010	-40.00	-31.50	0.00
-89	0.038	-28.41	-19.91	0.01	-44	0.026	-31.74	-23.24	0.00
-88	0.041	-27.78	-19.28	0.01	-43	0.047	-26.58	-18.08	0.02
-87	0.044	-27.18	-18.68	0.01	-42	0.068	-23.39	-14.89	0.03
-86	0.047	-26.62	-18.12	0.02	-41	0.088	-21.11	-12.61	0.05
-85	0.050	-26.08	-17.58	0.02	-40	0.108	-19.35	-10.85	0.08
-84	0.054	-25.41	-16.91	0.02	-39	0.122	-18.25	-9.75	0.11
-83	0.058	-24.78	-16.28	0.02	-38	0.135	-17.41	-8.91	0.13
-82	0.062	-24.18	-15.68	0.03	-37	0.145	-16.79	-8.29	0.15
-81	0.066	-23.61	-15.11	0.03	-36	0.152	-16.35	-7.85	0.16
-80	0.070	-23.08	-14.58	0.03	-35	0.157	-16.07	-7.57	0.18
-79	0.077	-22.29	-13.79	0.04	-34	0.179	-14.94	-6.44	0.23
-78	0.084	-21.55	-13.05	0.05	-33	0.200	-13.96	-5.46	0.28
-77	0.090	-20.87	-12.37	0.06	-32	0.221	-13.10	-4.60	0.35
-76	0.097	-20.24	-11.74	0.07	-31	0.241	-12.36	-3.86	0.41
-75	0.104	-19.65	-11.15	0.08	-30	0.259	-11.73	-3.23	0.48
-74	0.111	-19.06	-10.56	0.09	-29	0.284	-10.93	-2.43	0.57
-73	0.119	-18.51	-10.01	0.10	-28	0.306	-10.28	-1.78	0.66
-72	0.126	-18.00	-9.50	0.11	-27	0.325	-9.75	-1.25	0.75
-71	0.133	-17.52	-9.02	0.13	-26	0.340	-9.36	-0.86	0.82
-70	0.140	-17.09	-8.59	0.14	-25	0.351	-9.11	-0.61	0.87
-69	0.148	-16.57	-8.07	0.16	-24	0.363	-8.81	-0.31	0.93
-68	0.157	-16.10	-7.60	0.17	-23	0.368	-8.69	-0.19	0.96
-67	0.165	-15.68	-7.18	0.19	-22	0.365	-8.75	-0.25	0.94
-66	0.172	-15.30	-6.80	0.21	-21	0.354	-9.01	-0.51	0.89
-65	0.178	-14.97	-6.47	0.23	-20	0.335	-9.50	-1.00	0.79
-64	0.182	-14.80	-6.30	0.23	-19	0.308	-10.22	-1.72	0.67
-63	0.185	-14.67	-6.17	0.24	-18	0.272	-11.32	-2.82	0.52
-62	0.187	-14.58	-6.08	0.25	-17	0.225	-12.96	-4.46	0.36
-61	0.187	-14.54	-6.04	0.25	-16	0.168	-15.50	-7.00	0.20
-60	0.187	-14.56	-6.06	0.25	-15	0.101	-19.89	-11.39	0.07
-59	0.184	-14.72	-6.22	0.24	-14	0.025	-31.96	-23.46	0.00
-58	0.179	-14.94	-6.44	0.23	-13	0.058	-24.74	-16.24	0.02
-57	0.173	-15.23	-6.73	0.21	-12	0.147	-16.64	-8.14	0.15
-56	0.166	-15.60	-7.10	0.20	-11	0.241	-12.35	-3.85	0.41
-55	0.158	-16.05	-7.55	0.18	-10	0.339	-9.40	-0.90	0.81
-54	0.146	-16.71	-8.21	0.15	-9	0.435	-7.24	1.26	1.34
-53	0.134	-17.48	-8.98	0.13	-8	0.529	-5.53	2.97	1.98
-52	0.120	-18.42	-9.92	0.10	-7	0.621	-4.14	4.36	2.73
-51	0.105	-19.57	-11.07	0.08	-6	0.708	-3.00	5.50	3.55
-50	0.089	-20.99	-12.49	0.06	-5	0.789	-2.06	6.44	4.41
-49	0.073	-22.79	-14.29	0.04	-4	0.854	-1.38	7.12	5.16
-48	0.055	-25.24	-16.74	0.02	-3	0.908	-0.84	7.66	5.83
-47	0.036	-28.92	-20.42	0.01	-2	0.951	-0.44	8.06	6.40
-46	0.016	-35.94	-27.44	0.00	-1	0.982	-0.16	8.34	6.83
					0	1.000	0.00	8.50	7.08



4DR-8-2HW Parapanel Array

Channel - 20

8.5 dBd Gain

Horizontal polarization

Vertical stack

Vertical plane Pattern

Angle	Field	Rel.dB	dBd	PwrMult	Angle	Field	Rel.dB	dBd	PwrMult
0	1.000	0.00	8.50	7.08	45	0.010	-40.00	-31.50	0.00
1	0.982	-0.16	8.34	6.83	46	0.016	-35.95	-27.45	0.00
2	0.951	-0.44	8.06	6.40	47	0.036	-28.92	-20.42	0.01
3	0.908	-0.84	7.66	5.83	48	0.055	-25.24	-16.74	0.02
4	0.854	-1.38	7.12	5.16	49	0.073	-22.79	-14.29	0.04
5	0.789	-2.06	6.44	4.41	50	0.089	-20.99	-12.49	0.06
6	0.708	-3.00	5.50	3.55	51	0.105	-19.57	-11.07	0.08
7	0.621	-4.14	4.36	2.73	52	0.120	-18.42	-9.92	0.10
8	0.529	-5.53	2.97	1.98	53	0.134	-17.48	-8.98	0.13
9	0.435	-7.24	1.26	1.34	54	0.146	-16.71	-8.21	0.15
10	0.339	-9.39	-0.89	0.81	55	0.158	-16.05	-7.55	0.18
11	0.241	-12.34	-3.84	0.41	56	0.166	-15.60	-7.10	0.20
12	0.147	-16.64	-8.14	0.15	57	0.173	-15.23	-6.73	0.21
13	0.058	-24.74	-16.24	0.02	58	0.179	-14.94	-6.44	0.23
14	0.025	-31.97	-23.47	0.00	59	0.184	-14.72	-6.22	0.24
15	0.101	-19.89	-11.39	0.07	60	0.187	-14.56	-6.06	0.25
16	0.168	-15.50	-7.00	0.20	61	0.187	-14.54	-6.04	0.25
17	0.225	-12.96	-4.46	0.36	62	0.187	-14.58	-6.08	0.25
18	0.272	-11.32	-2.82	0.52	63	0.185	-14.67	-6.17	0.24
19	0.308	-10.22	-1.72	0.67	64	0.182	-14.80	-6.30	0.23
20	0.335	-9.50	-1.00	0.79	65	0.178	-14.97	-6.47	0.23
21	0.354	-9.01	-0.51	0.89	66	0.172	-15.30	-6.80	0.21
22	0.365	-8.75	-0.25	0.94	67	0.165	-15.68	-7.18	0.19
23	0.368	-8.69	-0.19	0.96	68	0.157	-16.10	-7.60	0.17
24	0.363	-8.81	-0.31	0.93	69	0.148	-16.57	-8.07	0.16
25	0.351	-9.11	-0.61	0.87	70	0.140	-17.09	-8.59	0.14
26	0.340	-9.36	-0.86	0.82	71	0.133	-17.52	-9.02	0.13
27	0.325	-9.75	-1.25	0.75	72	0.126	-18.00	-9.50	0.11
28	0.306	-10.28	-1.78	0.66	73	0.119	-18.51	-10.01	0.10
29	0.284	-10.93	-2.43	0.57	74	0.111	-19.06	-10.56	0.09
30	0.259	-11.73	-3.23	0.48	75	0.104	-19.65	-11.15	0.08
31	0.241	-12.36	-3.86	0.41	76	0.097	-20.24	-11.74	0.07
32	0.221	-13.10	-4.60	0.35	77	0.090	-20.87	-12.37	0.06
33	0.200	-13.96	-5.46	0.28	78	0.084	-21.55	-13.05	0.05
34	0.179	-14.94	-6.44	0.23	79	0.077	-22.29	-13.79	0.04
35	0.157	-16.07	-7.57	0.18	80	0.070	-23.08	-14.58	0.03
36	0.152	-16.35	-7.85	0.16	81	0.066	-23.61	-15.11	0.03
37	0.145	-16.79	-8.29	0.15	82	0.062	-24.18	-15.68	0.03
38	0.135	-17.41	-8.91	0.13	83	0.058	-24.78	-16.28	0.02
39	0.122	-18.25	-9.75	0.11	84	0.054	-25.41	-16.91	0.02
40	0.108	-19.35	-10.85	0.08	85	0.050	-26.08	-17.58	0.02
41	0.088	-21.11	-12.61	0.05	86	0.047	-26.62	-18.12	0.02
42	0.068	-23.39	-14.89	0.03	87	0.044	-27.18	-18.68	0.01
43	0.047	-26.58	-18.08	0.02	88	0.041	-27.78	-19.28	0.01
44	0.026	-31.74	-23.24	0.00	89	0.038	-28.41	-19.91	0.01
					90	0.035	-29.08	-20.58	0.01

Section III - 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: _____

2. Frequency Offset:

☐

No offset

☐

Zero offset

☐

Plus offset

☐

Minus offset

3. Translator Input Channel No. _____

4. Primary station proposed to be rebroadcast:

Call Sign	City	State	Channel
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5. Antenna Location Coordinates: (NAD 27)

_____ ° _____ ' _____ " ☐ N ☐ S Latitude
_____ ° _____ ' _____ " ☐ E ☐ W Longitude

6. Antenna Structure Registration Number: _____

☐

Not applicable

☐

FAA Notification Filed with FAA

7. Antenna Location Site Elevation Above Mean Sea Level: _____ meters

8. Overall Tower Height Above Ground Level: _____ meters

9. Height of Radiation Center Above Ground Level: _____ meters

10. Maximum Effective Radiated Power (ERP) Towards Radio Horizon: _____ kW

11. Maximum ERP in any Horizontal and Vertical Angle: _____ kW

12. Transmitting Antenna: ☐ Nondirectional ☐ Directional "Off-the-shelf" ☐ Directional composite

Manufacturer	Model
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Directional Antenna Relative Field Values:

Rotation: _____ ° ☐ No rotation ☐ N/A (Nondirectional)

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											

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.

CERTIFICATION

13. **Interference.** The proposed facility complies with all of the following applicable rule sections. Check all those that apply. ☐ Yes ☐ No See Explanation in Exhibit No.

TV broadcast analog system protection.

- a. ☐ 47 C.F.R. Section 74.705.

Digital TV station protection.

- b. ☐ 47 C.F.R. Section 74.706.

Low Power TV and TV translator station protection.

- c. ☐ 47 C.F.R. Section 74.707.


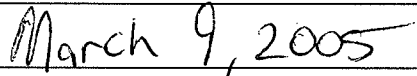
14. **Environmental Protection Act.** The proposed facility is excluded from environmental processing under 47 C.F.R. Section 1.1306 (*i.e.*, the facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine RF compliance. An **Exhibit is required.** ☐ Yes ☐ No See Explanation in Exhibit No.
- 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 radiofrequency electromagnetic exposure in excess of FCC guidelines.

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 Martin R. Doczkat		Relationship to Applicant (e.g., Consulting Engineer) Consulting Engineer	
Signature 		Date 	
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).