

**MINOR MODIFICATION TO
KNID (BMPH-20070119AHJ)
PROPOSING CHANGE IN SITE AND CLASS**

A. KNID application

This technical report has been developed in support of a minor change application for the KNID construction permit BMPH-20070119AHJ proposing a change in site and class to 259C3 at an existing tower.

KNID Allocation analysis

All terrain data utilized in this report were obtained from the V-Soft USGS three (3) second terrain data base¹.

A channel study is provided as E1 for the proposed facility at:

(NAD 27) N 351817 W 97-41-09 (ASR#1010812).

The proposed facility meets Section 73.315 coverage requirements as demonstrated in Exhibit E2. A tabulation of average terrain on the eight (8) equally spaced radials is included as Exhibit E3.

The proposed 259C3 application is mutually exclusive with the authorized and licensed KNID facilities.

B. Antenna System and RF Calculations

KNID will utilize an ERI SHPX-5AC full wavelength spaced and circularly polarized antenna mounted on existing tower (ASR#1010812) at 101 meters AGL. The maximum RF contribution for KNID was calculated to be 12.9 microwatts/cm² at 35

¹ It is noted that the USGS three second database provides a more accurate terrain calculation, and has been accepted by the Commission on a number of occasions in the past. It was specifically cited as "more accurate" by the Commission in MB Docket No. 04-319:


The 3 second terrain database provides a more detailed terrain depiction than the 30 second terrain database referenced in Section 73.312 (d) of the rules. Section 73.312 (d) permits the use of the 30 second terrain database, or better, in a disputed case. (at footnote 4).

meters utilizing the Commission's FMModel program - 6.5% of the general public maximum exposure level of 200 microwatts/cm².

C. Conclusion

It is concluded that the proposed KNID modifications are in full compliance with Commission rules and policies.

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E1 KNID APPLICATION CHANNEL STUDY

REFERENCE

35 18 17.0 N.

CLASS = C3

97 41 09.0 W.

Current Spacings to 3rd Adj.

DISPLAY DATES

DATA 10-16-08

SEARCH 10-16-08

----- Channel 259 - 99.7 MHz -----

Call	Channel		Location		Azi	Dist	FCC	Margin
KNID	LIC	259C1	Alva	OK	340.3	152.23	210.5	-58.27
KNID	CP -N	259C2	Mustang	OK	326.2	11.52	176.5	-164.98
AL2762	VAC	259C3	Tishomingo	OK	139.6	159.18	152.5	6.68
KXBL	LIC	258C1	Henryetta	OK	66.9	153.23	143.5	9.73
KYLV	LIC-D	205C1	Oklahoma City	OK	31.2	34.91	23.5	11.41
KBZQ	LIC	258C3	Lawton	OK	225.0	111.64	98.5	13.14
AL0664	VAC	259C2	Erick	OK	263.1	201.68	176.5	25.18
KLUR	LIC	260C1	Wichita Falls	TX	206.8	174.27	143.5	30.77
KYKC	LIC	261C2	Byng	OK	120.7	97.83	55.5	42.33

E2 KNID.MOD

BMPH20070119AHJ

Latitude: 35-18-17 N

Longitude: 097-41-09 W

ERP: 25.00 kW

HAAT: 99.96 m

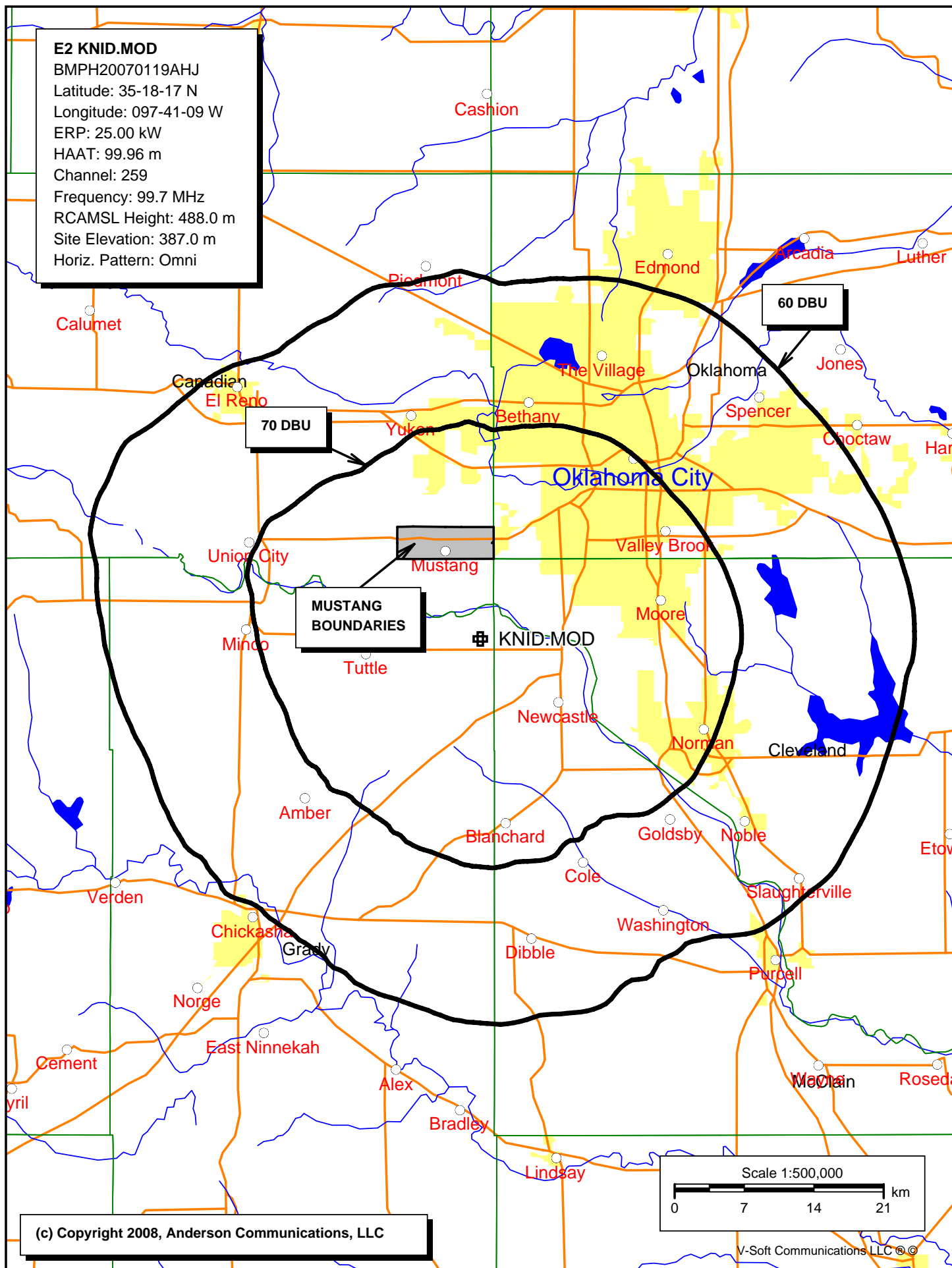
Channel: 259

Frequency: 99.7 MHz

RCAMSL Height: 488.0 m

Site Elevation: 387.0 m

Horiz. Pattern: Omni



E3 HAAT AND CONTOUR TABULATION

N. Lat. = 351817 W. Lng. = 974109

HAAT and Distance to Contour

FCC, FM 2-10 Mi, 51 pts Method - USGS 03 SEC

Azi.	AV EL	HAAT	ERP kW	70-F5	60-F5
000	403.0	85.0	25.0000	21.44	36.39
045	381.0	107.0	25.0000	23.99	40.19
090	355.9	132.1	25.0000	26.24	43.61
135	377.1	110.9	25.0000	24.39	40.78
180	391.0	97.0	25.0000	22.89	38.57
225	404.3	83.7	25.0000	21.28	36.14
270	395.4	92.6	25.0000	22.37	37.80
315	396.6	91.4	25.0000	22.23	37.59

Ave El= 388.04 M HAAT= 99.96 M AMSL= 488 M

Registration 1010812 [Map Registration](#)**Registration Detail**

Reg Number	1010812	Status	Constructed
File Number	A0393663	Constructed	12/01/1989
FAA Study	89-ASW-1695-OE	EMI	No
FAA Issue Date	11/22/1989	NEPA	No

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Communications Purposes

Location (in NAD83 Coordinates)

Lat/Long 35-18-17.0 N 097-41-10.0 W 1 MI N

City, State SNOWHILL , OK

Center of
AM Array**Heights (meters)**

Elevation of Site Above Mean Sea Level	Overall Height Above Ground (AGL)
387.1	109.1
Overall Height Above Mean Sea Level	Overall Height Above Ground w/o Appurtenances
496.2	106.7

Painting and Lighting Specifications

FCC Paragraphs 1, 3, 12, 21

Owner & Contact Information

FRN	0009573619	Licensee ID	L00913493
Assignor FRN	0008720351	Assignor ID	L00663955

OwnerVidia Communications, Inc.
817 NE 63 Street
Oklahoma City , OK 73105P: (405)843-9966
E: clay@acrsokc.com**Contact**Curtis , Clayburn C
817 NE 63 Street
Oklahoma City , OK 73105P: (405)843-9966
E: clay@acrsokc.com**Last Action Status**

Status	Constructed	Received	09/03/2004
Purpose	Change Owner	Entered	09/03/2004
Mode	Interactive		

Related Applications

09/03/2004	A0393663 - Change Owner (OC)
03/08/2004	A0366832 - Change Owner (OC)
03/26/2003	A0317774 - Change Owner (OC)
	Related applications (8)