

TECHNICAL EXHIBIT
AMENDMENT TO
APPLICATION FOR MODIFICATION OF
FM CONSTRUCTION PERMIT
FCC FILE NO. BMPH-20070409ADT
FM STATION KRXO
FACILITY ID 16851
OKLAHOMA CITY, OKLAHOMA
CH 299C 100 KW 470 M

Technical Narrative

The technical exhibit of which this narrative is part was prepared in support of an amendment to the pending application to modify the authorized construction permit facilities of FM station KRXO at Oklahoma City, Oklahoma (BMPH-20070409ADT). Currently, KRXO is licensed (BLH-19860305KB) to operate on channel 299C (107.7 MHz) with a nondirectional antenna maximum effective radiated power (ERP) of 100 kilowatts (kW) and an antenna radiation center eight above average terrain (HAAT) of 302 meters. In addition, KRXO is authorized by outstanding construction permit (BPH-20050216ABR) to operate on channel 299C with a nondirectional antenna maximum ERP of 100 kW and an HAAT of 451 meters. Furthermore, KRXO has a pending application for modification of construction permit (BMPH-20070409ADT) which proposes to increase the KRXO HAAT to 472 meters, relocate transmitter site, maintain KRXO's Class C status, and operate on channel 299C with a non-directional ERP of 100 kW.

Purpose of Application

By means of this instant amendment application, based on the modified tower registration information it is proposed slightly modify the site location, decrease the KRXO HAAT to 470 meters, maintain KRXO's Class C status, and operate on channel 299C with a non-directional ERP of 100 kW. No other changes are proposed. Therefore, this instant application is considered a "minor" change in facilities in accordance with Section 73.3573(a)(1).

Response to Paragraph 5 - Antenna Structure Registration

The proposed antenna will be mounted at the 471-meter level on an authorized 489-meter tower. The tower registration number is 1253490.

Response to Paragraph 14 - Community Coverage

Figure 1 is a map which demonstrates that KRXO's proposed operation complies with the provisions of Section 73.315. Specifically, it has been determined that the proposed 70 dBu contour will encompass 100% of the area within the Oklahoma City limits.

Response to Paragraph 16

Figure 2 is a separation study from KRXO's proposed antenna location for the channel 299C operation. As shown, the proposed antenna location complies with the minimum distance separation requirements of Section 73.207 for Class C operation on channel 299 towards all existing, authorized and proposed stations and allotments.

Environmental Considerations

The proposed KRXO facilities were evaluated in terms of potential radiofrequency radiation exposure at 2 meters above ground level in accordance with OST Bulletin No. 65, "Evaluating Compliance With FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation". This Bulletin provides assistance in determining whether FCC-regulated transmitting facilities, operations or devices comply with limits for human exposure to radiofrequency (RF) electromagnetic fields.

The calculated power density at 2 meters above ground level at the base of the tower was calculated using the appropriate equation contained in the Bulletin. Figure 3 is the graph of the vertical plane relative field pattern for the proposed ERI model COG20P-12-240-2, 12-bay master FM nondirectional antenna. As shown on Figure 3, the maximum vertical relative field value towards the tower base (-60° to -90° elevation) is less than 0.4. Therefore, using a "conservative" vertical relative field value of 0.4, the total ERP of 200 kW (H+V) and an antenna center of radiation height above ground level of 471 meters, the calculated power density at 2 meters above ground level at the base of the tower is 0.0049 milliwatt per square centimeter (mW/cm²), or 2.45% of the Commission's recommended limit applicable to general

population/uncontrolled exposure areas (0.2 mW/cm^2 for FM frequencies). Therefore, based on the responsibility threshold of 5%, the proposal will comply with the RF emission rules.

Access to the tower will be restricted and appropriately marked with warning signs. Furthermore, as this is a multi-user site, procedures will be in effect in the event that workers or other authorized personnel enter the restricted area or climb the tower to ensure that appropriate measures will be taken to assure worker safety with respect to radio frequency radiation exposure. Such procedures include reducing the average exposure by spreading out the work over a longer period of time, wearing "accepted" RFR protective clothing and/or RFR exposure monitors or scheduling work when the station is at reduced power or shut down.

Finally, it is noted that this technical exhibit only addresses the potential for radiofrequency electromagnetic field exposure. All other aspects of the environmental processing analysis will be or already has been provided to the FCC by the tower owner as part of the tower registration process.

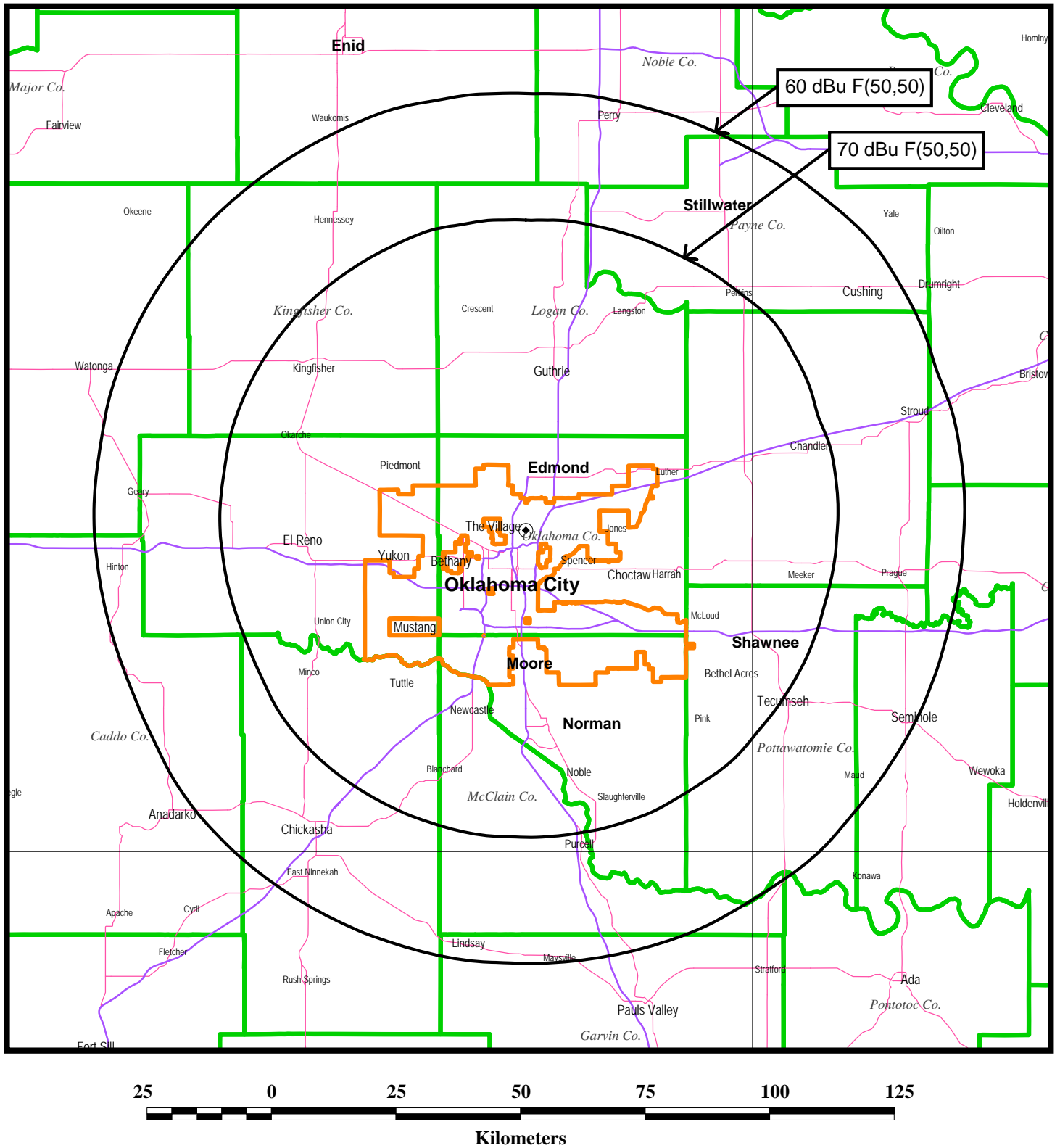


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Figure 1



COMPLIANCE WITH SECTION 73.315

STATION KR XO
OKLAHOMA CITY, OKLAHOMA
CH 299C 100 KW 470 M

du Treil, Lundin & Rackley, Inc. Sarasota, Florida

Channel: 299 Coordinates: 035-33-37 097-29-06 (NAD 27)
 Class: C Buffer Distance: 32 km

Date: 08/09/2007
 Page: 1 of 1

Callsign	Status	Chan.	Serv.	Freq.	City		State	Latitude	Dist.(km)	Sep.(km)	Spacing(km)	
Fac. ID	ARN			Class	DA	Ant. ID	ERP(kW)	HAAT(m)	Longitude	Bear.(deg)	73.215	Comment
KQOB 10857	CP	245	FM	96.9	ENID			OK	035-58-50	50.35	48	2.35
	BPH	20031112AGJ		C	N		100	451	097-41-42	337.99		CLOSE
KQOB 10857	LIC	245	FM	96.9	ENID			OK	035-58-50	50.35	48	2.35
	BLH	20001211ACI		C	N		100	442	097-41-42	337.99		CLOSE
NEW 165312	CP MOD	296	FM	107.1	NORTH ENID			OK	036-25-15.6	107.03	105	2.03
	BMPH	20070119AHK		C2	N		50	145	098-01-15.4	333.42	96 Y	CLOSE
	VAC	298	FA	107.5	WAPANUCKA			OK	034-21-54	165.74	165	0.74
	RM	10201		A					096-23-47	142.95	142	CLOSE
KOSN 36969	LIC	298	FM	107.5	KETCHUM			OK	036-46-13	226.91	209	17.91
	BMLED	20040928AJY		C1	N		100	299	095-27-07	53.01	188 N	CLEAR
KRXO 16851	APP	299	FM	107.7	OKLAHOMA CITY			OK	035-33-36	0.04		
	BMPH	20070409ADT		C	N		100	472	097-29-07	219.09		
KRXO 16851	CP	299	FM	107.7	OKLAHOMA CITY			OK	035-32-58	1.24		
	BPH	20050216ABR		C	N		100	451	097-29-18	194.05		
KRXO 16851	LIC	299	FM	107.7	OKLAHOMA CITY			OK	035-32-58	1.24		
	BLH	19860305KB		C			100	302	097-29-18	194.05		
	ADD	299	FR	107.7	ARCHER CITY			TX	033-32-30	253.3	249	4.3
	RM	CP-06-11		C2					098-46-30	208.13	237	CLOSE
KPLT-FM 35484	LIC	299	FM	107.7	PARIS			TX	033-44-55	276.42	249	27.42
	BLH	20040317ACP		C2	N		50	150	095-24-53	136.18	237 N	CLEAR
	VAC	300	FA	107.9	MOORELAND			OK	036-27-59	187.52	188	-0.48
	RM	10254		C2					099-14-27	303.05	176	Close
KSJM 14239	LIC	300	FM	107.9	WINFIELD			KS	037-14-42	194.04	188	6.04
	BLH	19910909KA		C2	N		50	118	096-54-19	15.31	176 N	CLOSE
KSJM 14239	CP	300	FM	107.9	WINFIELD			KS	037-26-00	220.02	209	11.02
	BPH	20050426ABK		C1	N		52.5	260	096-40-46	18.83	188 Y	CLEAR
KEYB 1193	LIC	300	FM	107.9	ALTUS			OK	034-46-15	206.6	188	18.6
	BLH	19970613KC		C2	N		50	150	099-32-20	245.41	176 N	CLEAR

ELECTRONICS RESEARCH, INC.
7777 GARDNER ROAD
CHANDLER, IN. 47610

FIGURE 4

-----THEORETICAL-----
VERTICAL PLANE RELATIVE FIELD

ERI 12 LEVEL OMNI-DIRECTIONAL MASTER ANTENNA
-.75 DEGREE(S) BEAM TILT
11 PERCENT FIRST NULL FILL
5 PERCENT SECOND NULL FILL

POWER GAIN IS 5.319 IN THE HORIZONTAL PLANE(5.803 IN THE MAX.)
[POWER GAINS AT 95% ANTENNA EFFICIENCY]

AUGUST 16, 2006
107.7 MHz.

BAY SPACING:
114.00 INCHES

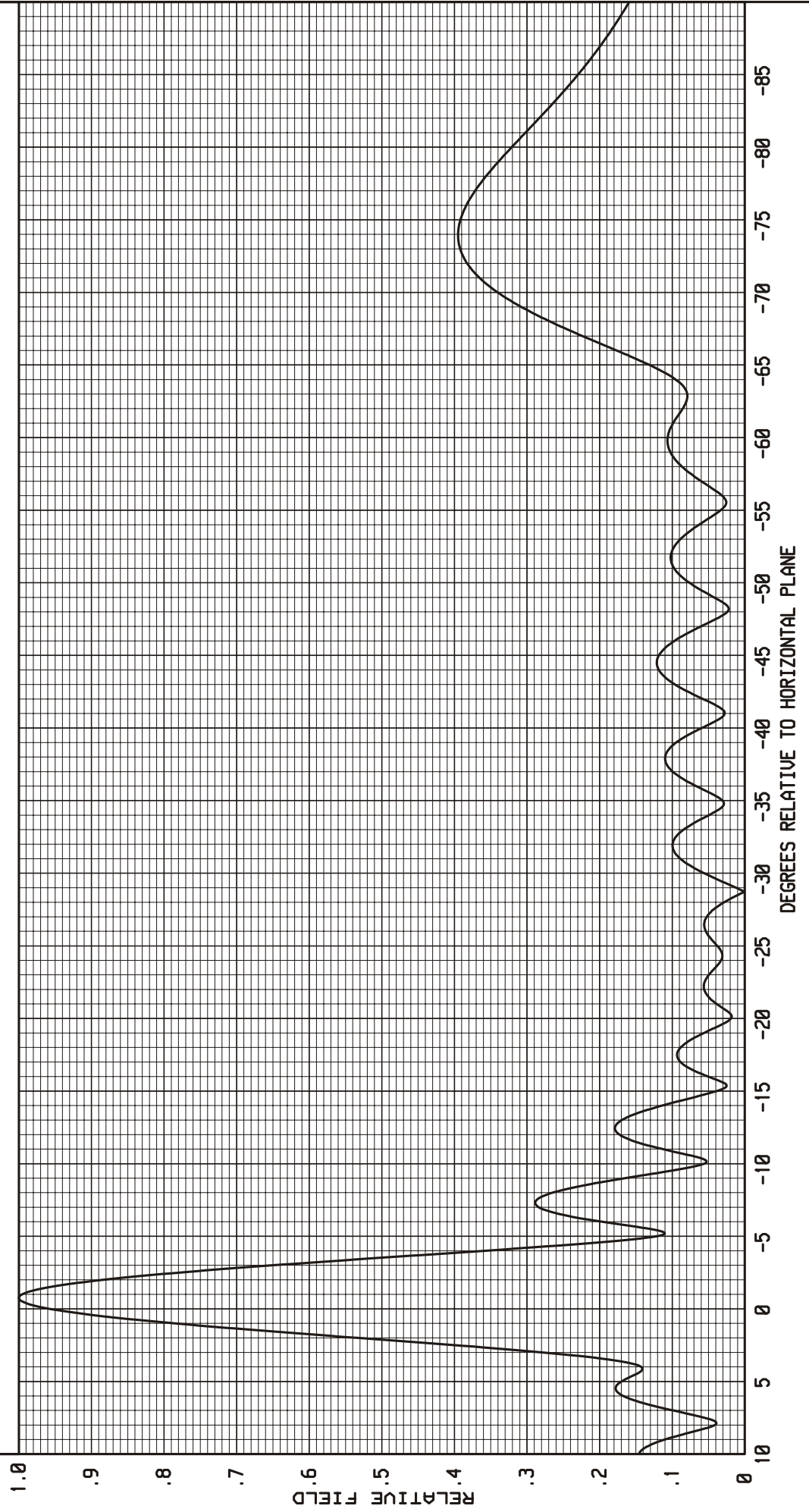


Figure 3