

**Educational Media Foundation**

K253BV (CP), Oklahoma City, OK Facility ID 140403

Minor Modification of BNPFT-20130826AGO

**EXHIBIT 13**

January 2014

**Proposed Minor Modification**

The proposed minor modification specifies an increase in ERP and a change in the antenna directional pattern. There are no other changes as indicated below:

	CP	Proposed Modification
Channel	253	253
Class	D	D
ERP	0.05 kW (H&V, DA)	0.130 kW (H&V, DA)
HAAT	190 m	190 m
Geographical Coordinates	35 34 24 / 97 29 08	35 34 24 / 97 29 08
ASRN	1012601	1012601
Site AMSL	360 m	360 m
Tower AGL	260 m	260 m
COR AGL	180 m	180 m
COR AMSL	540 m	540 m

The proposed 60 dBu contour will completely encompass the existing 60 dBu contour.

The below listed pages of this exhibit contains information as indicated.

Page 2            Tabulation of HAAT / ERP / distance to 60 dBu contour  
Page 3            Existing (CP) and proposed 60 dBu contour map  
Page 4 - 5        Allocation study

**Tabulation of HAAT / ERP / distance to 60 dBu contour**

CH 253      35 34 24 / 97 29 08      0.130 kW ERP DA      540 m COR AMSL      190 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	353.0	187.0	0.1256	-9.01	0.983	14.91
010	346.1	193.9	0.1256	-9.01	0.983	15.18
020	344.0	196.0	0.1256	-9.01	0.983	15.26
030	338.3	201.7	0.1269	-8.97	0.988	15.51
040	331.4	208.6	0.1269	-8.97	0.988	15.80
050	319.7	220.3	0.1279	-8.93	0.992	16.30
060	317.7	222.3	0.1300	-8.86	1.000	16.45
070	330.1	209.9	0.1277	-8.94	0.991	15.87
080	335.9	204.1	0.1206	-9.19	0.963	15.40
090	340.7	199.3	0.1108	-9.56	0.923	14.89
100	346.3	193.7	0.0966	-10.15	0.862	14.19
110	354.4	185.6	0.0826	-10.83	0.797	13.39
120	356.3	183.7	0.0695	-11.58	0.731	12.79
130	355.5	184.5	0.0594	-12.26	0.676	12.34
140	352.7	187.3	0.0513	-12.90	0.628	11.99
150	354.4	185.6	0.0459	-13.38	0.594	11.63
160	354.5	185.5	0.0424	-13.73	0.571	11.41
170	356.1	183.9	0.0405	-13.93	0.558	11.24
180	358.0	182.0	0.0398	-14.01	0.553	11.14
190	356.1	183.9	0.0405	-13.93	0.558	11.24
200	355.9	184.1	0.0424	-13.73	0.571	11.37
210	354.8	185.2	0.0459	-13.38	0.594	11.62
220	356.6	183.4	0.0513	-12.90	0.628	11.88
230	365.5	174.5	0.0605	-12.18	0.682	12.07
240	379.3	160.7	0.0708	-11.50	0.738	12.01
250	376.5	163.5	0.0863	-10.64	0.815	12.71
260	370.0	170.0	0.1046	-9.80	0.897	13.60
270	362.8	177.2	0.1181	-9.28	0.953	14.31
280	351.7	188.3	0.1231	-9.10	0.973	14.88
290	344.7	195.3	0.1256	-9.01	0.983	15.23
300	340.8	199.2	0.1300	-8.86	1.000	15.52
310	336.2	203.8	0.1279	-8.93	0.992	15.63
320	336.2	203.8	0.1269	-8.97	0.988	15.60
330	337.8	202.2	0.1269	-8.97	0.988	15.54
340	337.3	202.7	0.1256	-9.01	0.983	15.51
350	344.1	195.9	0.1256	-9.01	0.983	15.25

(yellow highlighted values establish average HAAT)

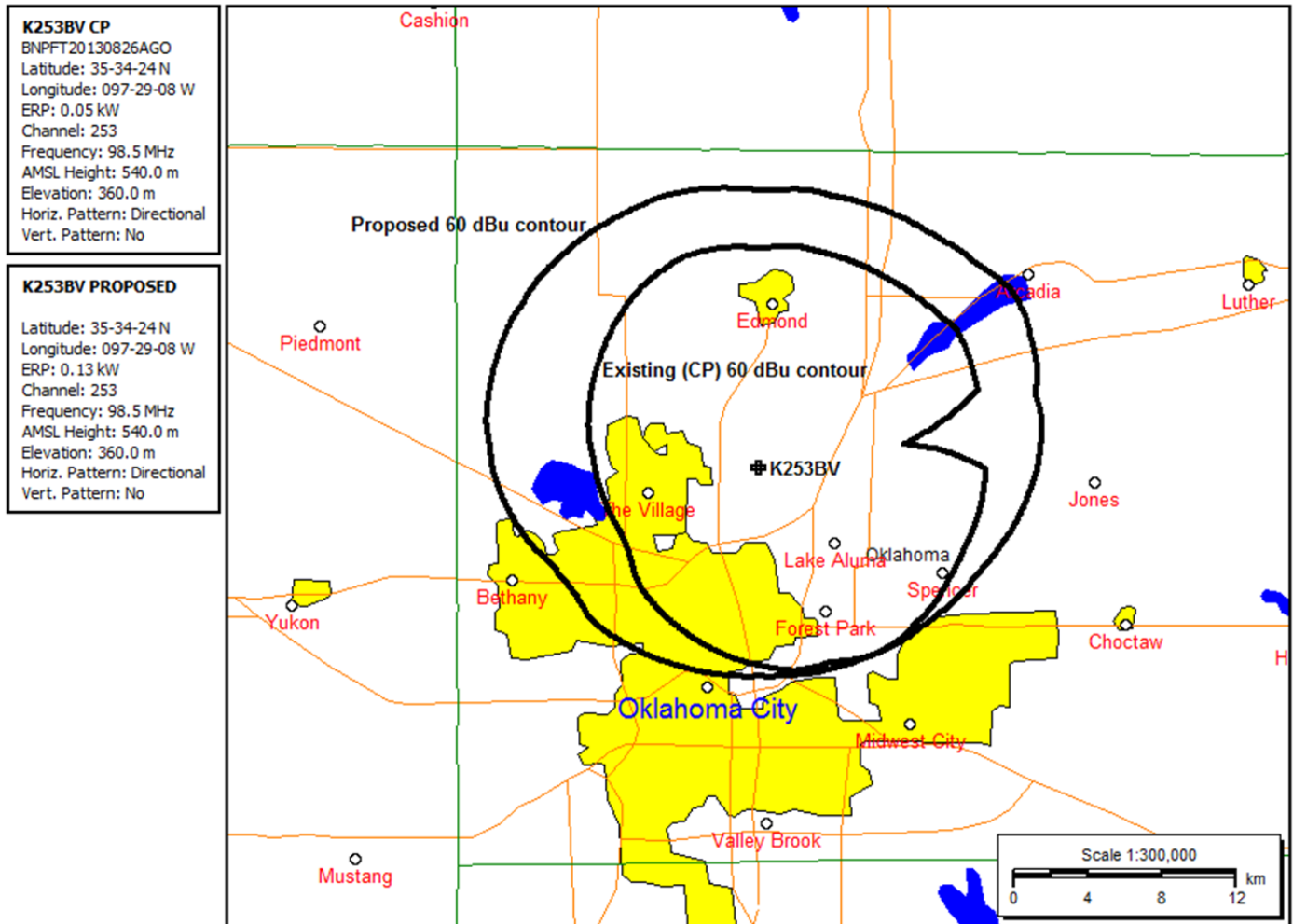
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### Existing (CP) and proposed 60 dBu contours



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**Allocation Study**

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Reference station:

253D	K253BV	CP	0.0	0.00	35 34 24.0	0.050	39.2	11.8	-54.1	-60.6
Oklahoma City		OK	0.0	BNPFT20130826AGO	97 29 08.0	189	540	Educational Media Foundati		

1<sup>st</sup>, 2<sup>nd</sup>, & 3<sup>rd</sup> adjacent channel relationships:

251C1	WWLS-FM	LIC	179.0	1.44	35 33 37.0	31.000	8.6	72.3	-18.3	-71.3
The Village		OK	359.0	BLH20080721ACN	97 29 07.0	470	820	Radio License Holding Cbc,		
253C3	KACO	LIC	229.3	107.12	34 56 30.0	18.500	106.9	36.8	-11.8<	30.3
Apache		OK	48.8	BLH20060130AUS	98 22 33.0	93	506	Perry Broadcasting Of Apac		
253D	K253BY	CP	264.4	55.54	35 31 22.0	0.027	26.1	7.8	15.5	1.9
El Reno		OK	84.0	BNPFT20130830AAW	98 05 42.0	96	524	Csn International		
253D	K253BC	LIC	339.1	97.94	36 23 48.0	0.250	43.6	12.7	38.9	34.6
Enid		OK	158.8	BLFT20100820AAT	97 52 38.0	79	453	Paul W. & Patsy Regier		
253D	K253BC	APP	341.1	96.88	36 23 54.0	0.250	33.9	10.1	47.5	36.2
Enid		OK	160.9	BPFT20131104AUT	97 50 14.4	31	399	Paul W. & Patsy Regier		
253C	KVOO-FM	LIC	60.8	142.85	36 11 26.0	100.000	180.6	77.8	-54.1*	12.1
Tulsa		OK	241.7	BLH19880420KC	96 05 50.0	374	611	Journal Broadcast Corporat		
253D	K253AY	LIC	177.0	41.10	35 12 12.0	0.025	12.7	3.9	17.3	0.1
Norman		OK	357.0	BMLFT20100819ABF	97 27 42.0	37	387	The Love Station, Inc.		
255C	KYIS	LIC	179.0	1.44	35 33 37.0	100.000	12.3	84.8	-22.0	-83.8
Oklahoma City		OK	359.0	BLH20070904AAD	97 29 07.0	470	820	Radio License Holding Cbc,		

I.F. relationships:

None

Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. Reference Zone= East Zone, Co to 3rd  
 adjacent. All separation margins (if shown) include rounding. Ant Column: (D= DA Standard, Z= DA 73.215, N=  
 Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X) "\*"affixed to 'IN' or 'OUT' values = site  
 inside protected contour. « = Station meets FCC minimum distance spacing for its class < = Contour Overlap

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### Allocation Study

The proposed minor modification of K253BV (CP) will be located within the 60 dBu contour of second adjacent WWLS-FM (LIC), CH 251, The Village, OK, and KYIS (LIC), CH 255, Oklahoma City, OK. Both are located 1.44 km from the K253BV site.

WWLS-FM signal strength at the K253BV site	118.6 dBu
K253BV corresponding interference contour	158.6 dBu
Distance to K253BV interference contour	0.9 meters

KYIS signal strength at the K253BV site	123.7 dBu
K253BV corresponding interference contour	163.7 dBu
Distance to K253AY interference contour	0.5 meters

The proposed height of the antenna is 180 meters AGL. The translator interference contour to WWLS-FM extends out 0.9 meters and to KYIS extends out 0.5 meters, which will not reach the ground or any population (see below map). Therefore, EMF respectfully requests a waiver of Section 74.1204(d) based on the showing of no population within the area of predicted interference.

