

Displacement Application

Educational Media Foundation ("EMF") submits this application in order to change the channel of its licensed translator facility K210EU, Tucson, AZ (BLFT-20140709ADC) from channel 210 to channel 215.

In January of 2018, Cedar Cove Broadcasting applied for a construction permit to their facility KAZK (BPED-20180111AAA) from a class A, to a class C2 facility. The associated increase in coverage will cause widespread interference between the proposed KAZK and the licensed K210EU. Please see attached Exhibit 1A which shows the 60 dBu protected contour and 54 dBu interfering contour for both KAZK proposed and K210EU. In order to eliminate the potential for interference, a move to an alternate frequency was necessary.

EMF submits that it is not technically feasible to operate K210EU on its current channel 210 or the 1st, 2nd, 3rd adjacent channels, or the intermod frequency channels (see attached Exhibit 1B). In order to continue to provide service to the listeners of K210EU, EMF has chosen channel 215. The physical location of the translator remains unchanged.

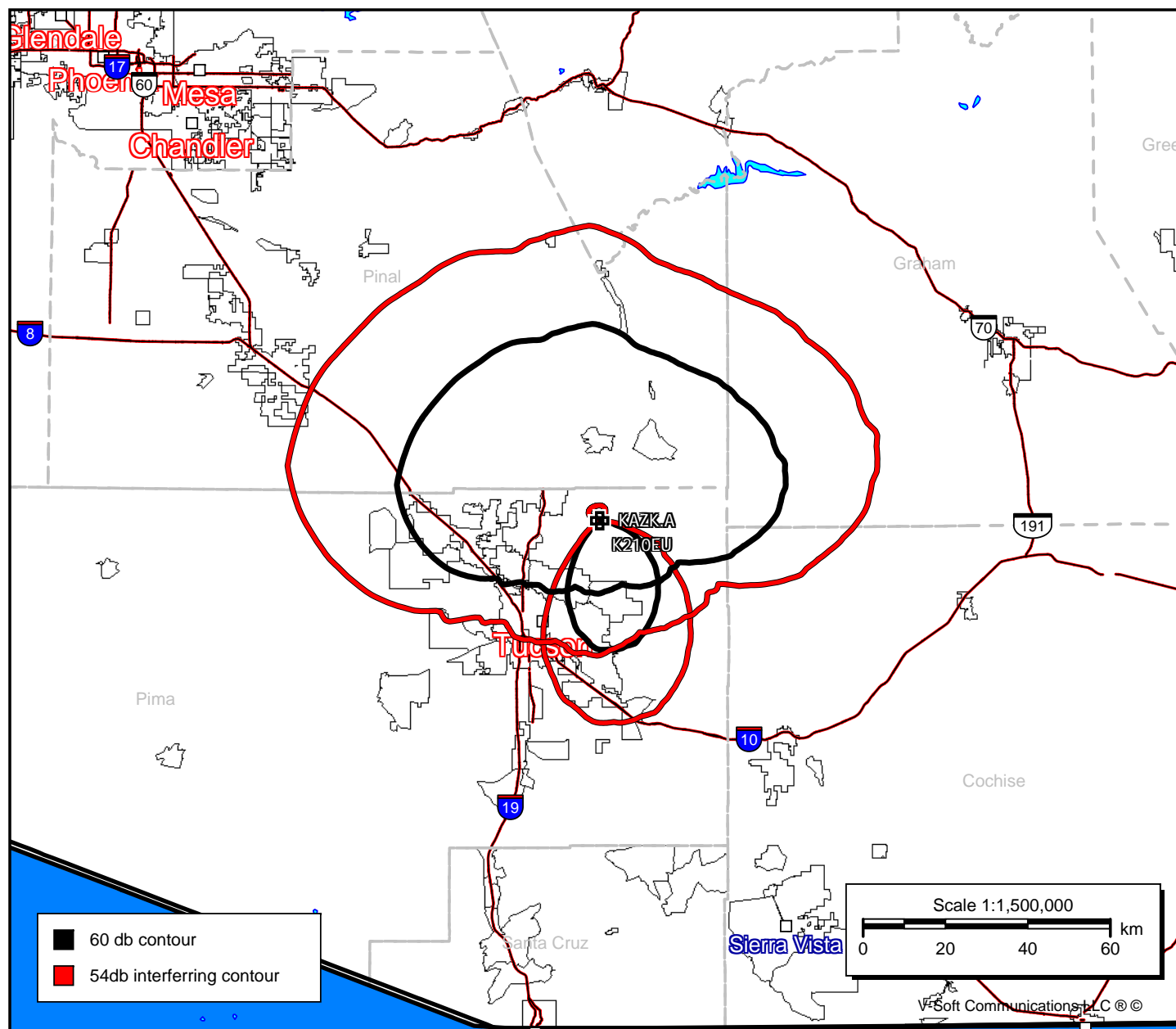
Exhibit 1-A

KAZK.A

BPED20180111AAA
Latitude: 32-26-31 N
Longitude: 110-46-51 W
ERP: 0.25 kW
Channel: 209
Frequency: 89.7 MHz
AMSL Height: 2768.0 m
Horiz. Pattern: Directional
Prop Model: None

K210EU

BLFT20140709ADC
Latitude: 32-26-29 N
Longitude: 110-46-44 W
ERP: 0.05 kW
Channel: 210
Frequency: 89.9 MHz
AMSL Height: 2755.0 m
Horiz. Pattern: Directional
Prop Model: None



Current Channel 210

REFERENCE		CH# 210D - 89.9 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
213C Tucson	KUAT-FM	LIC AZ	CX	115.6 295.6	6.71 BLED20111205AJW	32 24 55.1 110 42 51.9	12.000 1113	6.6 2661	73.0 Arizona Board Of Regents F	-0.3	-66.2*
209C2 Catalina	KAZK	APP AZ	DCN	288.8 108.8	0.19 BPED20180111AAA	32 26 31.0 110 46 51.0	0.250 1202	45.5 2768	29.2 Cedar Cove Broadcasting, I	-45.9*	-30.2*
209D Tucson	K209AF	LIC AZ	DC	220.3 40.2	32.99 BLFT20140317ACM	32 12 53.0 111 00 21.0	0.250 172	21.3 953	14.1 Arizona Board Of Regents F	-15.1	-23.2*
211L1 Tucson	KCDS-LP	LIC AZ		205.9 25.9	29.51 BLL20160509EIM	32 12 08.0 110 54 59.0	0.050		Iglesia Centro De Sanidad	-7.8*	-23.1*
210D Tucson	K210EU!	LIC AZ	DV	0.0 0.0	0.00 BLFT20140709ADC	32 26 29.0 110 46 44.0	0.050 1201		---Reference---		
210C Superior	KZAI	LIC AZ	DVX	340.0 159.7	152.45 BLED20100305ABC	33 43 52.0 111 20 39.0	45.000 619	151.4 1748	63.7 Educational Media Foundati	-0.2	77.7
210A Nogales	R17224	VAC SO		187.2 7.2	125.82	31 19 07.0 110 56 45.0	3.000 100	94.4 1384	24.0	3.7	15.0

Channel 209 (first adjacent)

REFERENCE		CH# 209D - 89.7 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
209C2 Catalina	KAZK	APP AZ	DCN	288.8 108.8	0.19 BPED20180111AAA	32 26 31.0 110 46 51.0	0.250 1202	88.2 2768	29.2 Cedar Cove Broadcasting, I	-88.6*	-34.2*
209D Tucson	K209AF	LIC AZ	DC	220.3 40.2	32.99 BLFT20140317ACM	32 12 53.0 111 00 21.0	0.250 172	46.5 953	14.1 Arizona Board Of Regents F	-40.3*	-64.8*
208C Nogales	AL0642	VAC SO		187.2 7.1	124.41	31 19 52.0 110 56 37.0	100.000 600	143.0 1874	92.0	-46.3*	-12.1
210D Tucson	K210EU!	LIC AZ	DV	0.0 0.0	0.00 BLFT20140709ADC	32 26 29.0 110 46 44.0	0.050 1201		---Reference---		

Channel 208 (second adjacent)

REFERENCE		CH# 208D - 89.5 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
208C Nogales	AL0642	VAC SO		187.2 7.1	124.41	31 19 52.0 110 56 37.0	100.000 600	206.2 1874	92.0	-109.6*	-54.4
209C2 Catalina	KAZK	APP AZ	DCN	288.8 108.8	0.19 BPED20180111AAA	32 26 31.0 110 46 51.0	0.250 1202	45.5 2768	29.2 Cedar Cove Broadcasting, I	-45.9*	-30.2*
209D Tucson	K209AF	LIC AZ	DC	220.3 40.2	32.99 BLFT20140317ACM	32 12 53.0 111 00 21.0	0.250 172	21.3 953	14.1 Arizona Board Of Regents F	-15.1	-23.2*

Channel 207 (third adjacent)

REFERENCE		CH# 207D - 89.3 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
208C Nogales	AL0642	VAC		187.2 7.1	124.41	31 19 52.0 110 56 37.0	100.000 600	143.0 1874	92.0	-46.3*	-12.1
206A Tucson	KUAZ-FM	LIC	CX	220.3 40.2	32.99 BLED20051028ABV	32 12 53.0 111 00 21.0	1.600 187	43.8 963	29.0 Arizona Board Of Regents	-37.6*	-38.1* F
209C2 Catalina	KAZK	APP	DCN	288.8 108.8	0.19 BPED20180111AAA	32 26 31.0 110 46 51.0	0.250 1202	0.6 2768	29.2 Cedar Cove Broadcasting, I	-1.0*	-29.1*

Channel 211 (first adjacent)

REFERENCE		CH# 211D - 90.1 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
211L1 Tucson	KCDS-LP	LIC		205.9 25.9	29.51 BLL20160509EIM	32 12 08.0 110 54 59.0	0.050	752	Iglesia Centro De Sanidad	-16.1*	-66.7*
213C Tucson	KUAT-FM	LIC	CX	115.6 295.6	6.71 BLED20111205AJW	32 24 55.1 110 42 51.9	12.000 1113	6.6 2661	73.0 Arizona Board Of Regents	-0.3	-66.2* F
209C2 Catalina	KAZK	APP	DCN	288.8 108.8	0.19 BPED20180111AAA	32 26 31.0 110 46 51.0	0.250 1202	0.6 2768	29.2 Cedar Cove Broadcasting, I	-1.0*	-29.1*

Channel 212 (second adjacent)

REFERENCE		CH# 212D - 90.3 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
213C Tucson	KUAT-FM	LIC	CX	115.6 295.6	6.71 BLED20111205AJW	32 24 55.1 110 42 51.9	12.000 1113	107.2 2661	73.0 Arizona Board Of Regents	-101.0*	-67.2* F
209C2 Catalina	KAZK	APP	DCN	288.8 108.8	0.19 BPED20180111AAA	32 26 31.0 110 46 51.0	0.250 1202	0.6 2768	29.2 Cedar Cove Broadcasting, I	-1.0*	-29.1*
211L1 Tucson	KCDS-LP	LIC		205.9 25.9	29.51 BLL20160509EIM	32 12 08.0 110 54 59.0	0.050	752	Iglesia Centro De Sanidad	-7.8*	-23.1*
210D Tucson	K210EU!	LIC	DV	0.0 0.0	0.00 BLFT20140709ADC	32 26 29.0 110 46 44.0	0.050 1201	---Reference---			
								2755	Educational Media Foundati		

Channel 213 (third adjacent)

REFERENCE		CH# 213D - 90.5 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
213C Tucson	KUAT-FM	LIC	CX	115.6	6.71	32 24 55.1	12.000	159.8	73.0	-153.6*	-70.7*
			AZ	295.6	BLFD20111205AJW	110 42 51.9	1113	2661	Arizona Board Of Regents	F	
210D Tucson	K210EU!	LIC	DV	0.0	0.00	32 26 29.0	0.050		---	Reference---	
			AZ	0.0	BLFT20140709ADC	110 46 44.0	1201	2755	Educational Media Foundati		
215C Safford	VA9006	VAC	N	66.1	108.81	32 50 00.0	100.000	13.3	90.6	93.7	18.2
			AZ	246.6		109 42 57.0	600	1595			

Channel 263 (intermod frequency)

REFERENCE		CH# 263D - 100.5 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
263A Tubac	@KTBX	APP	DCN	191.9	76.72	31 45 52.0	3.000	95.4	36.4	-49.3*	-51.5*
			AZ	11.9	BPH20140709AAK	110 56 50.0	1	1186	Cochise Broadcasting, Llc		
262C Globe	KQMR	LIC	CX	355.2	94.42	33 17 23.0	90.000	143.2	97.5	-50.5*	-6.5*
			AZ	175.1	BMLH20050815AEE	110 51 53.0	624	1985	Univision Radio Stations G		
263A Tubac	KTBX	RSV-A		195.3	95.29	31 36 45.0	6.000	106.9	42.7	-42.2*	-39.1
			AZ	15.2		111 02 43.0	100	1251	Cochise Broadcasting, Llc		
264L1 Old Pascua Village	NEW	CP		222.1	29.13	32 14 48.0	0.100			-4.5	-16.8*
			AZ	42.0	BMPL20161109AAO	110 59 12.0	-65	726	Pascua Yaqui Tribe, A Fede		
262L1 Tucson	KPYT-LP	LIC		216.6	44.79	32 07 03.0	0.100			6.0	-7.1
			AZ	36.5	BLL20050914AAAY	111 03 47.0	21	814	Pascua Yaqui Tribe, A Fede		

Channel 264 (intermod frequency)

REFERENCE		CH# 264D - 100.7 MHz, Pwr= 0.05 kW DA, HAAT= 1189.2 M, COR= 2755 M DISPLAY DATES									
32 26 29.0 N.		Average Protected F(50-50)= 30.5 km								DATA 07-06-18	
110 46 44.0 W.		Standard Directional								SEARCH 07-06-18	
CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
264L1 Old Pascua Village	NEW	CP		222.1	29.13	32 14 48.0	0.100			-15.1	-57.9*
			AZ	42.0	BMPL20161109AAO	110 59 12.0	-65	726	Pascua Yaqui Tribe, A Fede		
264D Green Valley	K264BB	LIC	C	199.8	60.38	31 55 45.0	0.035	30.7	9.2	-1.4	-41.2*
			AZ	19.7	BLFT20110520ADA	110 59 47.0	7	954	Kgvy, Llc		
264C Scottsdale	KSLX-FM	LIC	C	309.9	155.50	33 19 53.0	100.000	194.5	89.8	-39.5*	61.2
			AZ	129.2	BMLH20130726AAJ	112 03 47.0	561	922	Phoenix Fcc License Sub, L		
265D Tucson	K265CW	LIC	DC	270.0	0.28	32 26 29.0	0.047	13.2	7.1	-16.9*	-14.6*
			AZ	90.0	BLFT20150824AAZ	110 46 55.0		2799	Ted And Jana Tucker		
264C1 Duncan	KJIK	LIC	ZC	69.5	145.38	32 53 21.0	10.000	157.5	71.8	-13.8*	58.4
			AZ	250.3	BLH20030210AAC	109 19 20.0	716	2009	Wsk Family Trust (cathy Ko		
263A Tubac	@KTBX	APP	DCN	191.9	76.72	31 45 52.0	3.000	54.3	36.4	-8.2	-7.9
			AZ	11.9	BPH20140709AAK	110 56 50.0	1	1186	Cochise Broadcasting, Llc		