

Displacement Application

Educational Media Foundation ("EMF") submits this application in order to change the channel of its licensed translator facility W220DM, Parma, OH (BLFT-20070713AAA) from channel 220 to channel 224.

In 2011, Penfold Communications, Inc. was granted a license to cover to operate WKJA (BLED-20110228AAD) which is co-channel to W220DM's existing signal. Please see attached Exhibit 1A which shows WKJA's 60 dBu protected contour and W220DM's 40 dBu interfering contour. W220DM was determined to be causing widespread interference with WKJA and was taken off the air. In order to eliminate the interference, a move to an alternate frequency is necessary.

EMF submits that it is not technically feasible to operate W220DM on its current channel 220 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 W220DM, EMF has chosen channel 224. As a result of the channel change, the primary station, delivery method and antenna of the existing facility will be changed. Additionally, the ERP will be raised to 250 watts. The physical location of the translator remains unchanged.

Changes to the application are as follows:

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|----------------------------|---|
| 1. Section III-A, Item 1: | Channel updated |
| 2. Section III-A, Item 2: | Primary Station has been updated |
| 3. Section III-A, Item 3: | Delivery Method has been updated |
| 4. Section III-A, Item 9: | Effective Radiated Power has been updated |
| 5. Section III-A, Item 10: | Transmitting Antenna information has been updated |
| 6. Section III-A, Item 12: | Exhibit 13 has been updated |
| 7. Section III-A, Item 15: | Exhibit 17 has been updated |

Current Channel 220

REFERENCE		CH# 220D - 91.9 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
220B1 Brunswick	WKJA	LIC ZCX OH		198.2 18.1	66.8 BLED20110228AAD	40 54 56.0 81 55 56.0	25.000 97	116.1 424	41.2 Penfold Communications, In	-54.0*	11.0
220D Parma	W220DM	USR OH		0.0 0.0	0.0	41 29 13.0 81 41 00.0	0.102 106	42.2 321	12.6	-49.3*	-36.6*

Channel 219 (first adjacent)

REFERENCE		CH# 219D - 91.7 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
222B Cleveland Heights	WKRK-FM	LIC DEN OH		107.2 287.3	16.8 BLH19891128KA	41 26 32.0 81 29 28.0	40.000 167	5.8 465	64.9 Cbs Radio Stations Inc.	7.3	-48.6*
06ZT Cleveland	WXOX-LP	CPM OH	N	187.6 7.6	11.7 BMPTVL20110718ACW	41 22 58.0 81 42 07.0	3.000 311	1.6 506	36.6 Venture Technologies Group	38.2R	-26.6M
218A Bainbridge	WKHR	LIC C OH		94.4 274.7	32.6 BLED20011116ABQ	41 27 49.0 81 17 38.0	0.750 141	34.0 480	22.8 Kenston Local School Distr	-4.9*	4.9

Channel 218 (second adjacent)

REFERENCE		CH# 218D - 91.5 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
218A Bainbridge	WKHR	LIC C OH		94.4 274.7	32.6 BLED20011116ABQ	41 27 49.0 81 17 38.0	0.750 141	68.8 480	22.8 Kenston Local School Distr	-39.6*	-1.3
216B1 Cleveland	WRUW-FM	LIC DC OH		65.6 245.7	9.1 BLED20010406AAQ	41 31 14.0 81 35 03.0	15.000 89	3.5 320	35.4 Case Western Reserve Unive	0.0	-26.6*
06ZT Cleveland	WXOX-LP	CPM OH	N	187.6 7.6	11.7 BMPTVL20110718ACW	41 22 58.0 81 42 07.0	3.000 311	1.5 506	36.6 Venture Technologies Group	38.2R	-26.5M

Channel 217 (third adjacent)

REFERENCE		CH# 217D - 91.3 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
216B1 Cleveland	WRUW-FM	LIC DC OH		65.6 245.7	9.1 BLED20010406AAQ	41 31 14.0 81 35 03.0	15.000 89	53.9 320	35.4 Case Western Reserve Unive	-50.3*	-34.1*
217A Akron	WAPS	LIC DEX OH		169.8 349.9	47.6 BLED20080702ADM	41 03 53.0 81 34 59.0	2.000 106	56.5 424	17.3 Board Of Education, Akron	-14.3*	12.8

Channel 221 (first adjacent)

REFERENCE		CH# 221D - 92.1 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
222B	WKRK-FM	LIC DEN		107.2	16.8	41 26 32.0	40.000	77.0	64.9	-63.9*	-55.4*
	Cleveland Heights	OH		287.3	BLH19891128KA	81 29 28.0	167	465	Cbs Radio Stations Inc.		

Channel 222 (second adjacent)

REFERENCE		CH# 222D - 92.3 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
222B	WKRK-FM	LIC DEN		107.2	16.8	41 26 32.0	40.000	130.4	64.9	-117.3*	-65.0*
	Cleveland Heights	OH		287.3	BLH19891128KA	81 29 28.0	167	465	Cbs Radio Stations Inc.		

Channel 223 (third adjacent)

REFERENCE		CH# 223D - 92.5 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
222B	WKRK-FM	LIC DEN		107.2	16.8	41 26 32.0	40.000	77.0	64.9	-63.9*	-55.4*
	Cleveland Heights	OH		287.3	BLH19891128KA	81 29 28.0	167	465	Cbs Radio Stations Inc.		
226B	WZAK	LIC CN		167.6	23.5	41 16 50.0	27.500	6.2	67.3	11.6	-44.3*
	Cleveland	OH		347.6	BLH4273	81 37 22.0	189	490	Blue Chip Broadcasting Lic		
223B	WDJQ	LIC DEX		147.9	91.2	40 47 25.0	50.000	114.2	55.2	-28.8*	8.8
	Alliance	OH		328.3	BMLH20021205ABW	81 06 26.0	152	518	D. A. Peterson, Inc.		

Channel 273 (intermod frequency)

REFERENCE		CH# 273D - 102.5 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
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*
271B	WDOK	LIC CX		187.6	11.7	41 22 58.0	12.000	5.7	70.2	1.8	-59.0*
	Cleveland	OH		7.6	BMLH20020611AAI	81 42 07.0	306	570	Cbs Radio Stations Inc.		
273A	WZOO-FM	LIC NCN		61.7	81.0	41 49 44.0	5.800	85.7	27.7	-10.6*	33.8
	Edgewood	OH		242.2	BLH19911104KD	80 49 28.0	100	329	Media One Holdings, Llc		
273D	W273BL	CP C		169.8	47.6	41 03 53.0	0.074	52.6	16.1	-10.3*	14.0
	Akron	OH		349.9	BPFT20110824ACE	81 34 59.0		597	Educational Media Foundati		

Channel 274 (intermod frequency)

REFERENCE		CH# 274D - 102.7 MHz, Pwr= 0.01 kW, HAAT= 105.5 M, COR= 322 M								DISPLAY DATES	
41 29 13.0 N.		Average Protected F(50-50)= 6.0 km								DATA 02-10-12	
81 41 00.0 W.		Omni-directional								SEARCH 02-13-12	
CH	CALL	TYPE	ANT	AZI.	DIST	LAT.	Pwr (kW)	INT(km)	PRO(km)	*IN*	*OUT*
CITY		STATE		<--	FILE #	LNG.	HAAT(M)	COR(M)	LICENSEE	(Overlap	in km)
271B	WDOK	LIC	CX	187.6	11.7	41 22 58.0	12.000	5.7	70.2	1.8	-59.0*
Cleveland		OH		7.6	BMLH20020611AAI	81 42 07.0	306	570	Cbs Radio Stations Inc.		
274B	WCPZ	CP	DCX	264.2	93.2	41 23 48.0	28.000	132.1	65.6	-45.3*	-2.3
Sandusky		OH		83.4	BPH20090513ACA	82 47 31.0	201	393	Bas Broadcasting, Inc.		
277B	WCRF-FM	LIC	CY	174.2	21.2	41 17 48.0	25.500	5.9	65.8	10.6	-45.0*
Cleveland		OH		354.2	BLH19810925AZ	81 39 27.0	201	501	The Moody Bible Institute		
274B	WCPZ	LIC	DCN	266.8	84.0	41 26 28.0	50.000	121.0	46.4	-43.4*	7.1
Sandusky		OH		86.2	BLH19901226KA	82 41 14.0	41	227	Bas Broadcasting, Inc.		