

FID = 40858

CALL SIGN  
WPAV

# DIRECT MEASUREMENT WORKSHEET

REC'D. <b>BML-2022110AAA</b>	LOCATION <b>Rossford, OH</b>
CONSULTANT <b>Bruce Bellamy</b>	ASSIGNMENT
FIRM <b>Mum-Reese</b>	
ATTY NAME <b>Mark B Denbo</b>	PRESBY LICENSE <b>1520KHz, 0.5KW Day, 0.4KW Night DA-2-U</b>
FIRM <b>Switwick + Belendiuk, P.C.</b>	FCC ENGINEER <b>Huonk Chau</b>
HISTORY: <b>Change operating status to non-commercial, education station.</b>	

ANTENNA MEASUREMENTS	DAY	NIGHT
ANTENNA/COMMON POINT R MEASURED	50 OHMS	50 OHMS
ANTENNA/COMMON POINT CURRENT (PWR/RX)	3.29 AMPS	2.94 AMPS
TRANSMITTER EFFICIENCY (PWR/EI)		
ANTENNA INPUT POWER	0.541 KW	0.432 KW

## NOTES:

ASRU: T1 1217966  
T2 1217967  
T3 1217969  
T4 1217971  
T5 1217973

## ACTION

## DATE

12/29/2022

TOWER		BASE		PHASE*	REMOTE**		THEORETICAL	
		CURRENT	RATIO		CURRENT	RATIO	RATIO	PHASE
N I G H T	1			0		1.0		
	2			163.6		2.64		
	3			-33.1		3.39		
	4			130.2		2.43		
	5			-66.4		0.85		
D A Y	1			0		1.0		
	2			163.6		2.64		
	3			-33.1		3.39		
	4			130.2		2.43		
	5			-66.4		0.85		

\* Antenna Monitor

Potomac Instruments, Model 19013

12/28/2022 16:43:09

Facility ID 40858

WPAY ROSSFORD OH US 1520 kHz BML 20090217AGE L N DA2 - U

N Lat 41 30 32 W Lon 83 33 7 Class B Region 2 Class B RMS: 261.35 mV/m

0.4 kW OPERATING CL# 3110 CL Date 06/08/2009 Last Update: 5/27/2009

5 Towers; A Pattern; 4 Augmentations; Q: ;Cutoff: Notif Pattern: A

IFRB Serial Number ; Entered into List on 00/00/0000 by

Coordination Status: Canada: Unknown Mexico: Unknown Region 2: Unknown

Theoretical Parameters:

Night Directional Antenna

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)	TL Switch
1	1.0000	0.000	0.0000	0.000	0	166.9	
2	2.6400	163.600	120.0000	182.800	0	166.9	
3	3.3900	-33.100	240.0000	182.800	0	166.9	
4	2.4300	130.200	360.0000	182.800	0	166.9	
5	0.8500	-66.400	480.0000	182.800	0	166.9	

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	231.5	44.0	39.60
2	253.5	44.0	29.40
3	276.5	37.0	28.80
4	295.0	37.0	30.00

2 records selected for WPAY

12/28/2022 16:43:09

Facility ID 40858

WPAY ROSSFORD OH US 1520 kHz BML 20090217AGE L D DA2 - U

N Lat 41 30 32 W Lon 83 33 7 Class B Region 2 Class B RMS: 292.2 mV/m

0.5 kW OPERATING CL# 3110 CL Date 06/08/2009 Last Update: 5/27/2009

5 Towers; A Pattern; 4 Augmentations; Q: ;Cutoff: Notif Pattern: A

IFRB Serial Number ; Entered into List on 00/00/0000 by

Coordination Status: Canada: Unknown Mexico: Unknown Region 2: Unknown

Theoretical Parameters:

Day Directional Antenna

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)	TL Switch
1	1.0000	0.000	0.0000	0.000	0	166.9	
2	2.6400	163.600	120.0000	182.800	0	166.9	
3	3.3900	-33.100	240.0000	182.800	0	166.9	
4	2.4300	130.200	360.0000	182.800	0	166.9	
5	0.8500	-66.400	480.0000	182.800	0	166.9	

Augmentation Parameters:

Aug No.	Central Azimuth (Deg. T)	Span (Deg.)	Radiation at Central Azimuth (mV/m @ 1 km)
1	70.5	38.0	30.00
2	89.5	38.0	20.40
3	112.0	44.0	40.00
4	134.0	44.0	33.60



Call Sign: WPAY

File No.: BML-20221110AAA

Modification of License to Convert Operating Status from Commercial to Noncommercial

- (1) Yes The applicant certify that the Commission has previously approved the applicant's educational qualifications and program.
- (2) BML-20090217AGE (a) The applicant provides the file number for the previously granted application with the education qualifications and program.
- ✓ (b) Check the file number to make sure that it is for a granted application that included an educational qualifications exhibit (for example, a granted Form/Schedule 340, commercial-to-noncommercial Form/Schedule 302, or a Form/Schedule 314 application that included an educational qualifications exhibit).
- (3) ✓ Check the pending mod. of license application to make sure that the applicant certifies that it will use the station to advance a similar educational program to the one that the Commission approved on the previous application.