

MINOR CHANGE APPLICATION TO MODIFY
BLFT20070629CBY, TRANSLATOR STATION W284BD
CH284D, Logan, Ohio

December 2009

TECHNICAL STATEMENT

This technical statement and attached exhibits were prepared on behalf of Hardware Monkey ("Hardware"), licensee of FM translator station W284BD, channel 284D. The applicant proposes to relocate W284BD to another site and change channel to 283D. The served community will change from Logan, OH. to Lancaster, OH. The applicant also proposes to change the station being rebroadcast to WLOH (AM), 1320kHz, Lancaster, Ohio in accordance with MB Docket No. 07-172, RM-11338, Amendment of Service and Eligibility Rules for FM Broadcast Stations, adopted June 29, 2009. Since the 60dBu contour of the proposed facility will be entirely encompassed by the 2mV/m daytime contour of WLOH this application will be considered a fill-in translator for WLOH (AM). Exhibit A demonstrates that the 60dBu contour of the proposed translator will not extend beyond the 2mV/m contour of WLOH.

Exhibit B demonstrates that the proposed operation for W284BD on 283D at the proposed coordinates will comply with all pertinent interference requirements to other stations.

Exhibit C demonstrates compliance with 74.1233(a)(1) of the Commission's rules requiring any minor change of a translator's facilities to continue to provide 1mV/m service to some portion of its previously authorized service area.

Hardware is proposing to locate W284BD to an existing tower, therefore, the FAA was not apprised of this proposal. Because the tower is under 200ft AGL and passes the TOWAIR calculations it does not require registration.

The tower proposed to relocate W284BD is also the tower for WLOH (AM). WLOH utilizes a non-directional antenna using a folded unipole antenna system. It is proposed to attach the antenna for W284BD to the top of the tower just above the folded unipole. Since WLOH is the station proposed to be rebroadcast, WLOH has agreed to the location on its tower and will abide by 73.1692(a) of the

Commission's rules. WLOH will determine operating power by the indirect method during installation of the proposed FM antenna and will file an FCC form 302-AM following installation.

It is noted that in the process of preparing this application, it was found that the coordinates of record for WLOH are in error. A 301-AM application is being concurrently filed with this application to correct the coordinates. It is noted that the coordinate error is administrative only.

An ERI 2-bay $\frac{1}{2}$ wavelength spaced antenna (LPX-2HW) will be used for transmitting the proposed translator's signal. The program "FM Model for Windows" produced by the OET was used to predict the maximum RF Radiation at ground level. It was determine that the maximum RFR will be $0.457\mu\text{W}/\text{cm}^2$. This level is well below one percent of the maximum allowable level for either public or occupational exposure.

Respectfully Submitted

A handwritten signature in cursive script, appearing to read "Bertram Goldman".

Bertram Goldman
Goldman Engineering Mgmt. LLC
5948 Charlestown Dr.
Dallas, TX. 75230

EXHIBIT A

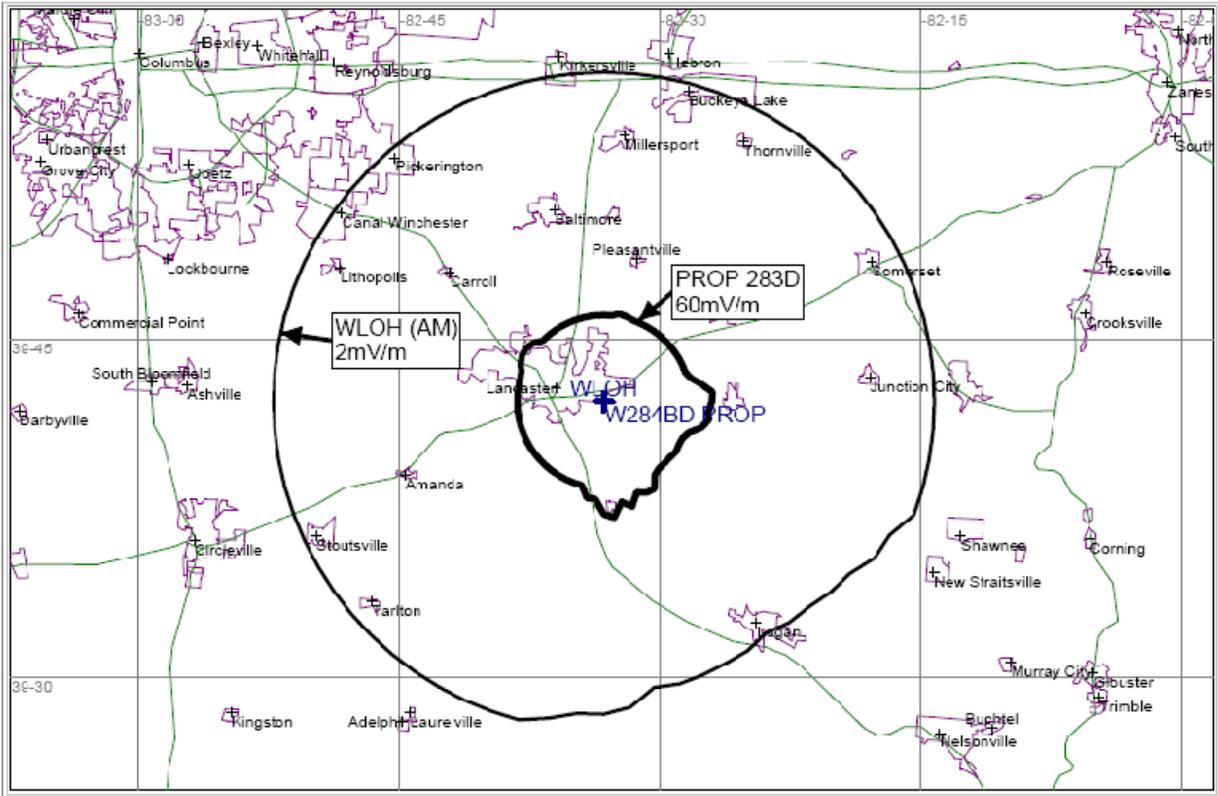


EXHIBIT B

Interference Study for W284BD proposed on 283D, Lancaster, OHIO

ComStudy 2.2 search of channel 283 (104.5 MHz Class D) at 39-42-13.0 N, 82-33-13.0 W.

Power 250 watts, HAAT 25.1m, COR AMSL Height 306m

CALL	CITY	ST	CHN	CL	DI	ST	SEP	BRNG	CLEARANCE
W284BD	LOGAN	OH	284	D	11.66		0.00	160.3	-43.33 km*
WODB	WEST JEFFERSON	OH	282	A	57.74		0.00	294.0	6.91 km
WQKT	WOOSTER	OH	283	B	132.86		0.00	24.3	7.19 km
W283BL	MALTA	OH	283	D	60.05		0.00	96.2	9.16 km
WYWH-LP	ATHENS	OH	283	LP100	57.35		24.00	135.8	10.08 km
WCVO	GAHANNA	OH	285	A	48.21		0.00	327.2	12.69 km
WPAY-FM	PORTSMOUTH	OH	281	C	120.01		0.00	199.4	14.17 km
WJFY-LP	NEWARK	OH	282	LP100	32.12		13.00	22.0	15.08 km
WTDA	WESTERVILLE	OH	280	A	59.63		0.00	328.2	17.30 km
NEW	NEWARK	OH	284	D	38.89		0.00	19.3	17.77 km
WVOH-LP	MARIETTA	OH	283	LP100	99.46		24.00	108.3	18.20 km
WQKT	WOOSTER	OH	283	B	132.86		0.00	24.3	19.89 km
WPAY-FM	NEW BOSTON	OH	281	C0	120.01		0.00	199.4	20.63 km
WPAY-FM	PORTSMOUTH	OH	281	C0	120.01		0.00	199.4	20.63 km
WTUE	DAYTON	OH	284	B	142.05		0.00	271.4	23.01 km
WTUE	DAYTON	OH	284	B	142.05		0.00	271.4	26.00 km
WODB	RI CHWOOD	OH	282	A	94.13		0.00	315.7	26.02 km
WPAY-FM	PORTSMOUTH	OH	281	C	115.55		0.00	199.6	26.72 km
NEW	NEWARK	OH	286	D	40.90		0.00	15.1	28.00 km
WTUE	DAYTON	OH	284	B	141.75		0.00	271.6	28.03 km
WWKC	CALDWELL	OH	285	A	81.72		0.00	81.1	28.18 km
WODB	WEST JEFFERSON	OH	282	A	76.54		0.00	299.7	28.82 km
W283AQ	CROSS LANES	WV	283	D	159.62		0.00	155.0	28.86 km

*W284BD operating as proposed on 283D is MX to the existing licensed operation and therefore qualifies as a minor change.

EXHIBIT C

Licensed Vs. Proposed Service Areas; 74.1233(a)(1) Compliance

