
Exhibit 12

Maranatha Assembly Of God Chu

Reference 219Tr ERP 0.250 kW HAAT 29 m COR 304 m AMSL
451832 N 91.7 MHz Average protected F(50,50) 7.1 km
925907 W North Branch, MN

ChnCl	Call	Stat	Azi	Dist	FacId	Lat	*OUT*	Sig	dBu	
	Pwr	COR	HAAT		ARN	Lon	Req.	Margin		
	Owner			City		St				
216C0	KNOW-F	LIC	204	29.96	42949	450344	-50.16	83.16		See text below
	100.000	663	388	BLED20110907AFB		930821				
	Minnesota Public Rad			Minneapolis-st.		MN				
219Tr	W219DT	LIC	354	11.56	139325	452444				This facility
	0.030	289	16	BLFT20180620AAP		930007				
	Maranatha Assembly O			North Branch		MN				
220C3	WINH	LIC	358	79.59	172667	460128	26.78			See map
	16.000	452	128	BLED20131218ETO		930121				
	Minnesota Public Rad			Hinckley		MN				
219C1	KZSE	LIC	160	149.88	42965	440228	55.62			See map
	94.000	638	288	BMLD20120508AA		922025				
	Minnesota Public Rad			Rochester		MN				

New rooftop mast to support the facility. See Exhibit 1 for FAA details.

Note the MERP calculation in Exhibit 1 justifies the requested 250 Watt ERP.

This proposed facility is atop the facility of the owner. It is third adjacent to KNOW and KNOW puts a 83.16 dBu signal at the site. The two story church building is 23 feet high, and the antenna is on a mast at 62 feet (19 meters) above the roof (CORAGL 26 meters). See the attached vertical plan for details. The streetview shows the building is the tallest structure in the area. The spreadsheet attachment shows that the area of interference does not reach a location where there is population using the specified antenna. Thus a no-population waiver is requested.
