

Exhibit 11 – Interference Study

Purpose of Application

WVQC-LP Channel 239L1 (95.7 MHz)
Cincinnati, OH

This application is being filed to correct the height above average terrain (HAAT), tower coordinates, and to adjust the effective radiated power (ERP).

The coordinate and antenna height correction more accurately reflect the actual existing antenna location and height of the existing SWR FMCC/1 non-directional antenna.

Using the V-Soft Contour program with a terrain database of 03 Sec NED, we calculate the HAAT to be 55.5 Meters. Last page of this exhibit shows the HAAT table calculations. Also using the V-Soft Contour program to calculate EIRP, WVQC-LP would be authorized 27.5 Watts (0.0275 kW) ERP at 55.5 Meters in accordance with §73.811(a), and EIRP rounded under §73.212(a).

On the next page is the allocation study showing that the WVQC-LP modification continues to clear all other licensed and authorize facilities.

If there are any technical questions regarding this application, please feel free to contact me.

Sincerely,



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WVQC-LP Modification Study 011218
Music Resource Center -- Cincinnati

REFERENCE		DISPLAY DATES
39 07 36.3 N.	CLASS = L1 Int = L1	DATA 01-10-18
84 29 56.6 W.	Current Spacings to 2nd Adj.	SEARCH 01-10-18
----- Channel 239 - 95.7 MHz -----		

Call	Channel	Location		Azi	Dist	FCC	Margin
WVQC-LP	LIC 239L1	Cincinnati	OH	93.5	0.05	23.5	-23.5
WKID	LIC 240A	Vevay	IN	235.2	56.09	55.5	0.59
WCXE-LP	LIC 238L1	Erlanger	KY	225.7	16.54	13.5	3.0
W238BJ	LIC 238D	Auburn	OH	30.2	29.09	20.5	8.6
WHIO-FM	LIC 239B	Pleasant Hill	OH	8.2	122.37	111.5	10.9
WQLK	LIC 241B	Richmond	IN	336.3	92.82	66.5	26.3
WFTM-FM	LIC 240A	Maysville	KY	130.6	82.33	55.5	26.8
WZLR	LIC-Z 237A	Xenia	OH	42.6	76.49	28.5	48.0

All separation margins include rounding

N. Lat. = 390736.3 W. Lng. = 842956.6
HAAT and Distance to Contour,
3-16 km, 51 pts Method - NED 03 SEC
WVQC-LP

Azi.	AV EL	HAAT	60-F5
000	215.6	51.7	5.42
045	241.2	26.1	4.06
090	179.8	87.5	6.99
135	179.5	87.8	7.00
180	190.3	77.0	6.55
225	216.5	50.8	5.37
270	227.5	39.8	4.70
315	244.0	23.3	4.06

Ave El= 211.79 M HAAT= 55.51 M AMSL= 267.3 M