

Technical Exhibit
Minor Modification to K216DO
Morton, TX
10 Watts
39.6m AGL

TABLE OF CONTENTS

Figure 1

Interference Study Table

The licensing of KQOA on channel 216 in Morton requires the modification of K216DO to avoid unacceptable interference to the new station. This modification is being submitted to modify K216DO to channel 213 to avoid unacceptable interference to KQOA.

Figure 1 shows the proposed facility conforms to contour overlap restrictions with respect to all full service and secondary facilities with the exception of KQOA. The requested authorization of the move to channel 213 is based upon the D/U ratios of Section 73.525 and the lack of interference to KQOA.

KQOA

KQOA is co-located with the Proposed. Its Effective Radiated Power is 1.1 kW (0.413 dBk). The Effective Radiated Power of the Proposed is 10 watts (-10 dBk).

The Proposed cannot produce a signal that is greater than 40 dBu above that of KQOA.

Unattended Operation

The instant application proposes unattended operation and will comply with the requirements of 47 C.F.R. Section 73.1234(a)(1-4)

RF Electromagnetic Exposure Analysis

Using a worst case assumption of maximum downward radiation ($F=1.0$) the RF exposure at 2m above ground level is $0.46965 \mu\text{W}/\text{cm}^2$ less than 0.1% of the controlled standard. This is inconsequential when added to the RF of KQOA.

The tower is fenced with RF warning signs. The power will be reduced or shut off to allow necessary access to the tower.

Figure 1

REFERENCE
33 43 41.0 N.
102 46 29.0 W.

CH# 213D - 90.5 MHz, Pwr= 0.01 kW, HAAT= 41.5 M, COR= 1190.6 M
Average Protected F(50-50)= 3.5 km
Omni-directional

DISPLAY DATES
DATA 09-28-10
SEARCH 12-28-10

CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
216D Morton	K216D0	LIC_CN TX	0.0 0.0	0.0 BLFT19980316TH	33 43 41.0 102 46 29.0	0.250 49	1.1 1198	8.7 La Promesa Foundation	-4.6*	-9.0*
213C1 Plai nview	KBAH	LIC_CX TX	68.9 249.5	105.9 BLED20040325ACM	34 03 58.0 101 42 16.0	75.000 130	143.0 1147	52.0 American Family Associatio	-41.9*<	38.8
213C Roswell	880303MR	VAC__N NM	257.7 76.7	166.5	33 23 47.0 104 31 26.0	100.000 600	199.8 1709	93.0	-36.4*<	63.2
216A Morton	KQOA	CP_CX TX	204.6 24.6	0.0 BMPED20080605ACD	33 43 40.6 102 46 29.2	1.100 46	1.6 1200	15.0 La Promesa Foundation	-4.7*<	-15.2*<
212C3 Cl ovis	KELU	LIC_CX NM	333.4 153.2	88.4 BLED20061010AAJ	34 26 21.0 103 12 22.0	14.000 121	61.6 1427	41.4 Educational Media Foundati	23.6	42.5
213C1 Odessa	KLVW	LIC_CX TX	165.8 346.1	186.4 BLED20090608ACR	32 05 51.0 102 17 21.0	86.000 187	155.8 1082	60.7 Educational Media Foundati	26.5	112.7
211C1 Lubbock	KAMY	LIC_CX TX	106.5 287.0	87.4 BLED20060331AVB	33 30 08.0 101 52 20.0	63.000 147	6.0 1129	51.5 Family Li fe Broadcasting,	77.0	35.7
06+T Lubbock	KFMP-LP	CP__N TX	104.8 285.3	87.0 BPTVL20090630AAY	33 31 33.0 101 52 07.0	3.000	2.6 1183	29.0 Venture Technol ogies Group	31.5R	55.5M
06+T Lubbock	KFMP-LP	LI_D_N TX	104.8 285.3	87.0 BLTVL20071207ABK	33 31 33.0 101 52 07.0	3.000 237	2.6 1183	25.9 Venture Technol ogies Group	28.5R	58.6M

Terrain database is NGDC 30 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone = 2, Co to 3rd adjacent.
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
""affixed to 'IN' or 'OUT' values = site inside protected contour.