

Exhibit 49

Description: TECHNICAL SUMMARY

1. THE PURPOSE OF THIS AMENDMENT APPLICATION IS TO CHANGE THE KVAW TRANSMITTER SITE AND MODIFY FACILITIES. SPECIFICALLY, OPERATION IS PROPOSED ON CHANNEL 24 FROM ASR 1218752 (CURRENT LICENSE SITE) WITH A NONDIRECTIONAL ANTENNA MAXIMUM ERP OF 50 KW AND AN ANTENNA HAAT OF 73 METERS.
2. INTERFERENCE COMPLIANCE - THE PROPOSED KVAW OPERATION COMPLIES WITH THE FCCS 0.5% DE MINIMIS INTERFERENCE PROTECTION REQUIREMENTS TOWARDS ALL FULL-SERVICE DTV OPERATIONS AND CLASS A STATIONS. FIGURE 1 PROVIDES THE OUTPUT OF THE OET-69 INTERFERENCE PROGRAM. THE OET-69 STUDY WAS BASED ON A CELL SIZE OF 2 KM AND A TERRAIN INCREMENT OF 1 KM.
3. CITY COVERAGE COMPLIANCE THE INSTANT AMENDMENT APPLICATION WILL PROVIDE THE REQUISITE CITY GRADE SIGNAL TO ALL OF EAGLE PASS (SEE FIGURE 2)
4. LICENSE COVERAGE REPLICATION AS SHOWN ON FIGURE 2, THE 41 DBU CONTOUR FOR THE INSTANT AMENDMENT APPLICATION EITHER COMPLETELY ENCOMPASSES, OR IS CO-EXTENSIVE WITH, THE 41 DBU CONTOUR FOR KVAWS CURRENTLY LICENSED OPERATION (BLCDT-20061115ABD) WITHIN US TERRITORY. IT IS NOTED THAT THE RCAMSL LISTED FOR THE KVAW LICENSE, 570 METERS, IS INCORRECT. THE CORRECT VALUE SHOULD BE 324 METERS. THIS ERROR APPEARS TO HAVE RESULTED FROM THE ANTENNA HEIGHT ABOVE GROUND BEING LISTED AS 324 METERS INSTEAD OF 78 METERS. THE KVAW LICENSE 41 DBU CONTOUR LOCATION DEPICTED ON FIGURE 2 WAS BASED ON THE CORRECT RCAMSL OF 324 METERS.
5. SECTION 73.1030 COMPLIANCE - THE PROPOSED OPERATION WILL PROVIDE THE NECESSARY PROTECTION TO RADIO ASTRONOMY INSTALLATIONS AND FCC MONITORING STATIONS.
6. INTERNATIONAL CONSIDERATIONS - THE PROPOSED OPERATION IS LOCATED 1.4 KM FROM THEN US-MEXICAN BORDER. BASED ON INFORMATION PROVIDED BY THE FCCS INTERNATIONAL BRANCH, MEXICO APPROVED THE FOLLOWING FACILITIES FOR KVAW: CHANNEL 24, N28-43-32/W100-28-35, ERP 270 KW, NONDIRECTIONAL, RCAMSL 570 METERS, HAAT 85 METERS. FIGURE 3 IS A MAP WHICH DEPICTS THE 41 DBU CONTOURS FOR THE MEXICAN APPROVED FACILITIES AND FOR THE PROPOSED KVAW FACILITIES. AS INDICATED, THE 41 DBU CONTOUR FOR THE PROPOSED KVAW FACILITIES IS LOCATED ENTIRELY WITHIN THE 41 DBU CONTOUR FOR KVAWS MEXICAN APPROVED FACILITIES. FURTHERMORE, THE PROPOSED SITE (KVAW LICENSE SITE) IS THE SAME SITE LISTED FOR THE MEXICAN APPROVED FACILITIES. THEREFORE, IT IS NOT BELIEVED NECESSARY TO COORDINATE THE PROPOSED KVAW FACILITIES WITH MEXICO.
7. RFR COMPLIANCE - THE PROPOSED KVAW DIGITAL FACILITIES WERE EVALUATED IN TERMS OF POTENTIAL RADIO FREQUENCY (RF) ENERGY EXPOSURE AT GROUND LEVEL TO WORKERS AND THE GENERAL PUBLIC. THE RADIATION CENTER FOR THE PROPOSED DTV ANTENNA IS LOCATED 70 METERS ABOVE GROUND LEVEL WITH A TOTAL ERP OF 50 KW. A WORST CASE VERTICAL PLANE RELATIVE FIELD VALUE OF 0.25 (FOR ANGLES BELOW 60 DEGREES DOWNWARD) IS ASSUMED FOR THE ANTENNA'S DOWNWARD RADIATION (SEE FIGURE 4 ATTACHED). THE CALCULATED POWER DENSITY AT A POINT 2 METERS ABOVE GROUND LEVEL IS 0.0226 MW/CM². THIS IS 6.4% OF THE FCC'S RECOMMENDED LIMIT OF 0.355 MW/CM² FOR CHANNEL 24 FOR AN UNCONTROLLED ENVIRONMENT. THEREFORE, AS THIS IS A SINGLE USER SITE, THE PROPOSAL COMPLIES WITH THE RF EMISSION RULES.

ACCESS TO THE TRANSMITTING SITE WILL RESTRICTED TO AUTHORIZED PERSONNEL ONLY. A FORMAL PROTOCOL WILL BE IN EFFECT FOR THE SITE IN THE EVENT THAT WORKERS OR OTHER AUTHORIZED PERSONNEL ENTER RESTRICTED AREAS OR CLIMB THE TOWER. APPROPRIATE MEASURES WILL BE TAKEN TO ASSURE WORKER SAFETY WITH RESPECT TO RADIO FREQUENCY RADIATION EXPOSURE. SUCH MEASURES INCLUDE REDUCING THE AVERAGE EXPOSURE BY SPREADING OUT THE WORK OVER A LONGER PERIOD OF TIME,

WEARING 'ACCEPTED' RFR PROTECTIVE CLOTHING AND/OR RFR EXPOSURE MONITORS OR SCHEDULING WORK WHEN THE STATIONS ARE AT REDUCED POWER OR SHUT DOWN.

FINALLY, IT IS NOTED THAT THIS TECHNICAL EXHIBIT ONLY ADDRESSES THE POTENTIAL FOR RADIO FREQUENCY ELECTROMAGNETIC FIELD EXPOSURE. ALL OTHER ASPECTS OF THE ENVIRONMENTAL PROCESSING ANALYSIS HAVE ALREADY HAS BEEN PROVIDED TO THE FCC BY THE TOWER OWNER AS PART OF THE TOWER REGISTRATION PROCESS.

Attachment 49

Description
<u>FIGURE 1 - OET-69 TV INTERFERENCE AND SPACING ANALYSIS PROGRAM</u>
<u>FIGURE 2 - FCC PREDICTED COVERAGE CONTOURS</u>
<u>FIGURE 3 - MEXICAN COORDINATION EXHIBIT</u>
<u>FIGURE 4 - VERTICAL PLANE RELATIVE FIELD PATTERN TABULATION</u>
