

July 25, 2022

**KCXU-LP – San Jose, California - Facility ID# 192235**

**LMS application # 162808**  
**Amendment to Minor Modification**

**Purpose of Amendment**

Sole purpose of this amendment is to correct and register height of short antenna pole atop a tall building to be excluded from any further special conditions in regard to AM stations.

Antenna location was previously granted an authorization via LMS application File Number: 0000129982.

Modification introduces no new changes to ERP, second-adjacent engineering, or short-spacing.

The only change here is the overall tower height, slightly lower than the previous authorization.

**Summary of AM proximity analysis**

Overall height of antenna structure (a 5 meter pole) on the building (24.4 meters AGL) is adjusted to 29.4 meters

On July 20, 2022, Media Bureau staffer David Snavelly, engineer with the AM branch, determined KCXU's new facility would not pose as a re-radiator affecting AM stations.

Data provided by station engineer was reviewed. Calculations generated in accordance to 47 CFR § 1.30001 confirmed the short tower structure on top of the building - at five meters - calculates to less than 10 electrical degrees in respect to the applicable AM stations. Calculations are provided below.

In FCC 13-115, which updated the current tower threshold rules in regards to AM stations, the Commission stated:

*“We therefore revise the rule to exclude most antenna structures atop buildings, except where the antenna structure alone would be a significant re-radiator as defined in Section § 1.30002(a) or (b).”*

(reference: FCC 13-115, Third Report and Order and Second Order on Reconsideration, released August 16, 2013).

Calculations generated per 47 CFR § 1.30001 are as follows:

**KLIV 1590 AM, Facility ID#: 19531**

- KLIV AM tower, at 18.9 meters height, is distanced at 2.5 kilometers from KCXU.
- At height of 5.00 meters, KCXU's structure on building is calculated **at 9.54 electrical degrees to KLIV AM.**
- KCXU's structure is less than 36 electrical degrees from KLIV.

**KVVN 1430 AM, Facility ID#: 28438**

- KVVN AM tower, at 21m AGL, is distanced at 1.7 km from KCXU.
- At height of 5.00 meters, KCXU's structure on building is calculated **at 8.58 electrical degrees to KVVN AM.**
- KCXU's structure is less than 36 electrical degrees from KVVN AM.

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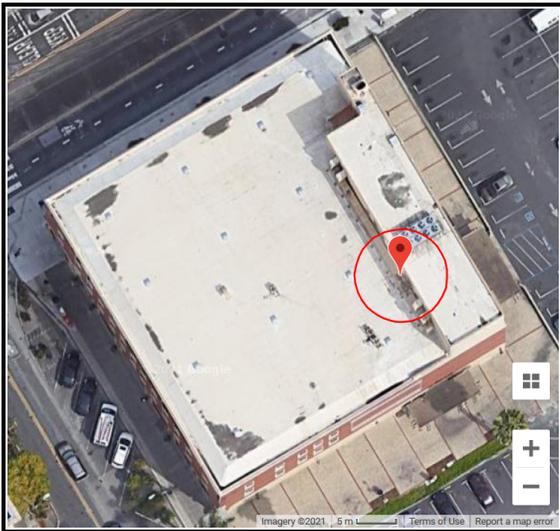
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BUILDING HEIGHT	24.4 meters above ground level (AGL)
TOWER HEIGHT	5 meters ( + Building = 29.4 m AGL)
CENTER OF RADIATION	28.4 meters AGL
COORDINATES (NAD 83)	37 19 53.2 N, 121 53 11.2 W
ELEVATION	28.1 meters AMSL
CHANNEL	224 / 92.7 MHz
POWER	100 watts ERP

\* TOWAIR, FM Model, & Second Adjacent waiver exhibit previously submitted via LMS application File No.129982 (Authorization granted 5/7/2021)

Antenna pole (5 meters height) mounted on building (24.4 m height) exempt from further AM conditions

**Antenna placement over AC/utility structure**



**Antenna and building elevations**

