

Section 73.215 Compliance

This construction permit modification application proposes an increase in ERP (changing from non-directional to directional antenna) at the current CP site and antenna COR AGL. KVLR as proposed meets all minimum distance separation requirements with regard to co-channel, first, second, and third adjacent channel authorizations including those separated by 53/54 channels (see Exhibit 30) with the exception of the following stations:

KLLR (LIC) CH 220 A

Dripping Springs, TX
2.0 kW ERP (non-da)
86 M HAAT
456 M COR AMSL
30 11 58 / 98 11 28

Separation distance	36.28 km
Required 73.207 spacing	42 km
Required 73.215 spacing	36 km

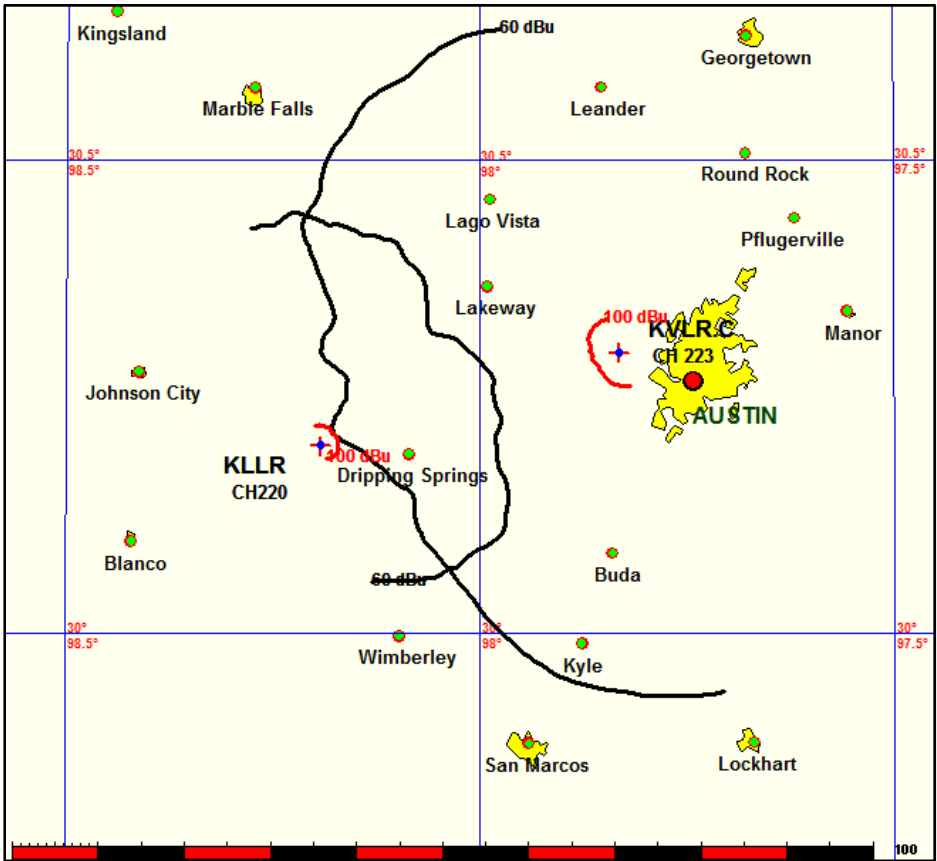
KYLR (LIC) CH 221 A

Hutto, TX
2.5 kW ERP (non-da)
137 M HAAT
343 M COR AMSL
30 32 04 / 97 34 52

Separation distance	35.6 km
Required 73.207 spacing	42 km
Required 73.215 spacing	36 km

As both KLLR and KYLR are licensed stations pursuant to Section 73.215, contour protection to these facilities is based on the authorized ERP and height. A directional antenna will be utilized in order to not have any prohibited contour overlap with KLLR or KYLR as is demonstrated on the following pages of this exhibit.

KVLR (CP Mod) and KLLR (LIC) protected and interference contours



KVLR (CP MOD)
10 kW ERP
391 m COR AMSL
30 17 53 / 97 49 54

KLLR (LIC)
2 kW ERP
456 M COR AMSL
30 11 58 / 98 11 28

Protected 60 dBu

Interfering 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
250.0	008.7423	0112.7	032.7	093.9	002.0000	0085.8	003.8	88.69
251.0	008.5378	0118.0	033.2	088.0	002.0000	0084.1	003.2	91.66
252.0	008.3540	0123.8	033.7	078.6	002.0000	0089.2	002.5	95.78
253.0	008.1722	0129.2	034.2	063.6	002.0000	0090.6	002.1	98.96
254.0	007.9745	0133.0	034.4	045.5	002.0000	0071.2	002.0	98.00
255.0	007.7792	0134.9	034.4	032.5	002.0000	0102.3	002.4	97.69
256.0	007.6038	0134.6	034.2	026.8	002.0000	0114.4	002.9	94.94
257.0	007.4132	0132.7	033.8	025.8	002.0000	0115.8	003.7	91.74
258.0	007.2420	0130.0	033.3	026.2	002.0000	0115.3	004.4	88.71

The map displays the Austin, Texas area with the following details:

- Cities and Towns:** Burnet, Bertram, Granger, Georgetown, Leander, Round Rock, Pflugerville, Manor, Elgin, Bastrop, Kyle, Wimberly, Dripping Springs, Lakeway, Lago Vista, and Thorndale.
- Signal Paths:**
 - KVALR.C (CH 223):** Indicated by a red line with a red arrow pointing towards the city of Austin, labeled "100 dBu".
 - KVALR (CH 221):** Indicated by a blue line with a blue arrow pointing towards the city of Austin, labeled "100 dBu".
- Geographic Features:** Major roads (I-35, I-183) are shown as black lines. The city of Austin is highlighted in yellow.
- Coordinates:** Latitude and longitude markers are present at 30° and 30.5° North, and 97.5° and 98° West.
- Scale:** A scale bar at the bottom indicates distances in miles (0 to 100).

KYLR (LIC)
2.5 kW ERP
343 M COR AMSL
30 32 04 / 97 34 52

Interfering 100 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
036.0	005.7002	0171.2	035.9	314.2	002.5000	0110.1	004.0	91.05
037.0	005.4464	0167.8	035.2	303.4	002.5000	0097.9	003.3	92.93
038.0	005.1840	0164.8	034.5	288.1	002.5000	0100.9	002.9	95.40
039.0	004.9280	0162.6	033.9	270.5	002.5000	0113.4	002.7	97.32
040.0	004.6923	0161.5	033.3	253.5	002.5000	0118.3	002.7	97.59
041.0	004.7197	0161.1	033.4	241.9	002.5000	0118.6	002.4	99.25
042.0	004.7334	0161.2	033.4	228.0	002.5000	0103.0	002.2	99.62
043.0	004.7472	0161.2	033.4	212.9	002.5000	0105.3	002.2	99.80
044.0	004.7748	0161.0	033.4	198.9	002.5000	0119.4	002.4	99.43
045.0	004.7886	0160.7	033.4	187.7	002.5000	0133.6	002.7	98.14
046.0	004.8164	0160.6	033.5	178.6	002.5000	0138.5	003.0	96.50
047.0	004.8442	0160.9	033.6	171.1	002.5000	0143.3	003.5	94.94
048.0	004.8581	0161.6	033.6	165.2	002.5000	0148.6	003.9	93.40
049.0	004.8720	0162.7	033.8	160.2	002.5000	0147.4	004.4	91.61