

Contingent Processing Request

This KVLR minor amendment to a pending application continues to request contingent processing along with minor modification applications for KYLR, FIN 56780, Hutto, TX and KALD, FIN 91682, Caldwell, TX.

Purpose of Amendment

The purpose of this KVLR minor amendment is to no longer specify the KVLR Aux Antenna as the KVLR Main Antenna, but to propose a new KVLR Main antenna at a higher center of radiation on the same tower as the KVLR Aux antenna. The currently licensed KVLR Aux antenna will remain in place and continue to be used as an Auxiliary Antenna.

Technical Certifications

This exhibit for the minor modification of KVLR demonstrates compliance with all engineering standards and requirements specified in the applicable FCC rules and regulations. This application proposes a move to a new transmitter site. This change is indicated below:

	Minor Mod App 0000210507	Amendment to Minor Mod App 0000210507
Channel / Class	223C	223C
ASRN	1013180	1013180
Geographical Coordinates	30-19-23.8 97-47-59.5	30-19-23.8 97-47-59.5
Tower AGL	374.6 m	374.6 m
Site AMSL	249.3 m	249.3 m
COR AGL	118 m	230 m
COR AMSL	367.3 m	479.3 m
HAAT	142.8 m	254.8 m
ERP	8.0 kW (H&V, non-DA)	4.0 kW (H&V, non-DA)

GLOBE terrain data

Channel Study**1. Compliance with 47 C.F.R. 73.207**

The proposed facility meets all minimum distance separation requirements with regard to co-channel, first, second, or third adjacent channel stations, and those separated by 53/54 channels, except the licensed facilities of the following stations:

Station	Channel	City of License	Facility ID	Distance Short-Spaced
KYLR	223C3	Hutto, TX	86172	10.1km
KLLR	220A	Dripping Spring, TX	91595	1.4km
KIIZ-FM	222A	Killeen, TX	60802	0.52km

A contingent application has been filed for KYLR, FID 86172, for the purpose of a change in location for KYLR. The KYLR contingent application, file number 0000210508, proposes a fully spaced location between KVLRL and KYLR. Therefore, no contour protection is needed towards KYLR.

This application proposes contour protection (47 C.F.R. 73.215. 47 C.F.R. 73.215(e)) for KLLR and KIIZ-FM.

The minimum separation requirement between a class C3 and a class A facility (KVLRL.P and KLLR), which are third adjacent channels, is 36 km. Exhibit 1-A shows that KLLR is separated from the proposed facility by 40.09 km.

The minimum separation requirement between a class C3 and a class A facility (KVLRL.P and KIIZ-FM), which are first adjacent channels, is 72km. Exhibit 1-A shows that KIIZ-FM is separated from the proposed facility by 87.98 km.

Therefore, the proposed facility is permitted to use contour protection toward the short-spaced facilities (See Exhibit 2 for compliance with contour protection requirements).

KVLR Site Spacing

REFERENCE
30 19 23.80 N. CLASS = C3 Int = B1
97 47 59.50 W. Current Spacings to 3rd Adj.
----- Channel 223 - 92.5 MHz -----

DISPLAY DATES
DATA 04-03-23
SEARCH 04-04-23

Call	Channel	Location	Azi	Dist	FCC	Margin
KVLR	APP-N 223C3	Sunset Valley	TX 0.0	0.00	152.5	-152.5
KVLR	LIC-N 223C3	Sunset Valley	TX 227.9	4.14	152.5	-148.4
KYLR%	LIC-N 221A	Hutto	TX 41.7	31.45	41.5	-10.1
KLLR	LIC-N 220A	Dripping Springs	TX 250.0	40.09	41.5	-1.4
KIIZ-FM	LIC 222A	Killeen	TX 8.4	87.98	88.5	-0.52
*KYLR	APP-Z 221A	Hutto	TX 36.2	43.41	41.5	1.9
KNRG	LIC-N 222C3	New Ulm	TX 110.6	100.64	98.5	2.1
KRNH	LIC-N 222C2	Kerrville	TX 256.8	124.97	116.5	8.5
KRPT	LIC 223C2	Devine	TX 218.1	196.50	176.5	20.0
KZPS	LIC 223C	Dallas	TX 17.2	263.32	236.5	26.8
KWUP	LIC-N 223A	Navasota	TX 84.1	168.97	141.5	27.5
KNBT	LIC-Z 221A	New Braunfels	TX 205.2	72.58	41.5	31.1
KRNR	CP 224C3	Goldthwaite	TX 330.2	143.13	98.5	44.6
KROM	LIC-N 225C1	San Antonio	TX 201.2	124.59	75.5	49.1

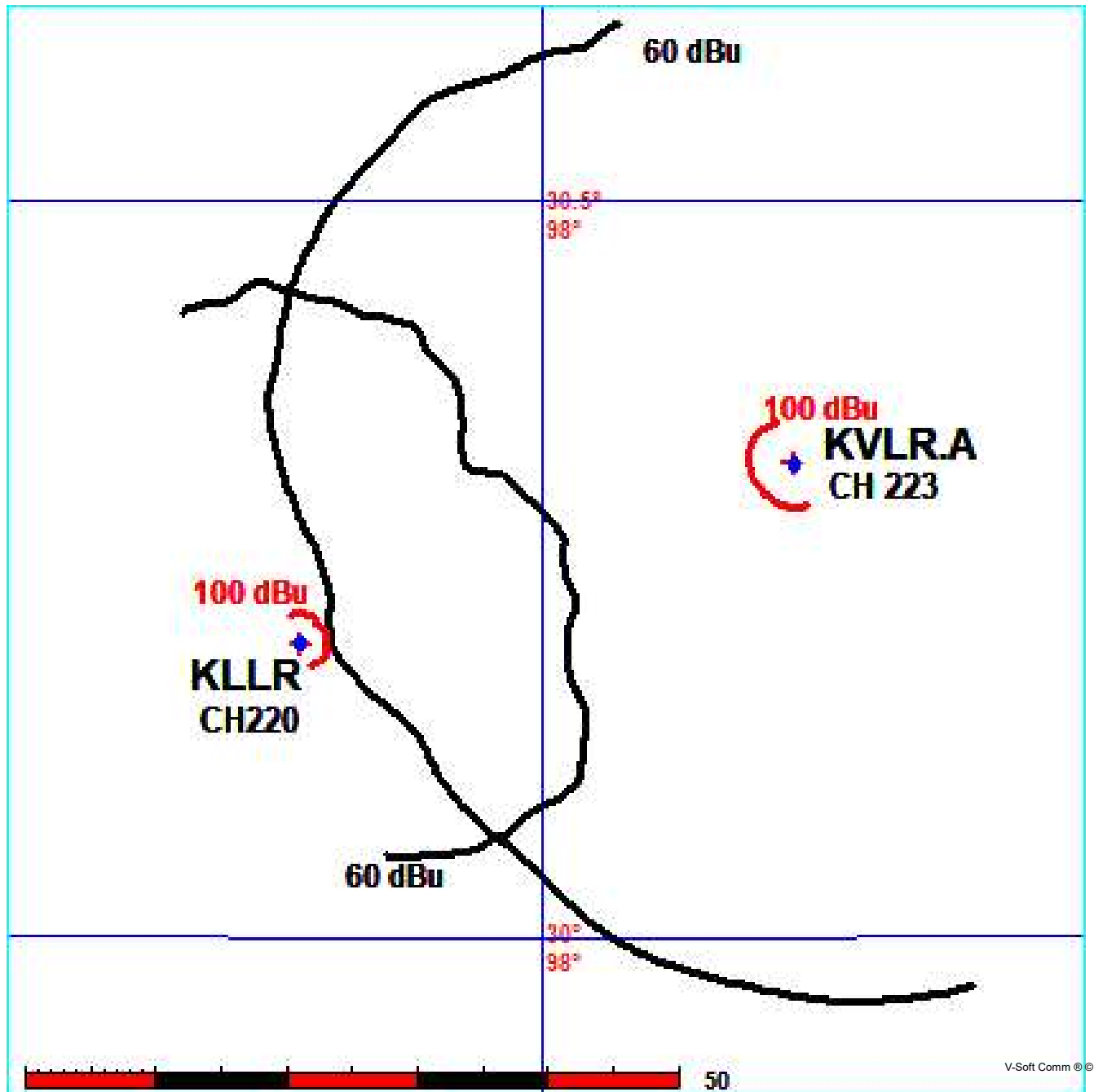
Reference station has protected zone issue: Mexico
% = Station fails 73.215.
All separation margins include rounding

*Contingent Processing with this KYLR minor modification has been requested

FMCommander Single Allocation Study - 04-04-2023 - GLOBE 30 Sec
KVLRA's Overlaps (In= 0.0 km, Out= 0.0 km)

KVLRA CH 223 C3 73.215 N
Lat= 30 19 23.80, Lng= 97 47 59.50
4.0 kW 254.8 m HAAT, 479 m COR
Prot.= 60 dBu, Intef.= 100 dBu

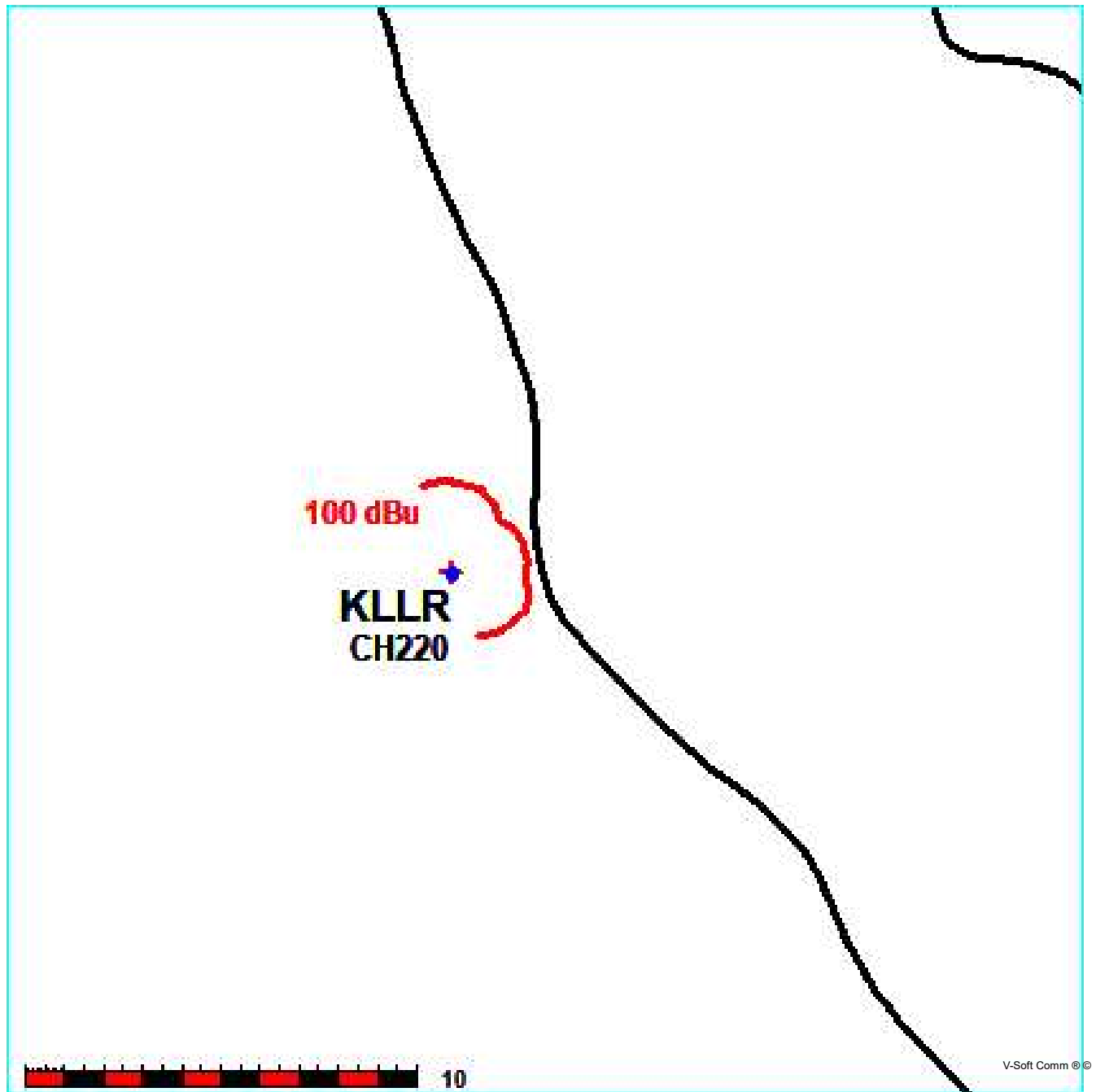
KLLR CH 220 A 73.215 N BLED20150825AAC
Lat= 30 11 58.70, Lng= 98 11 29.10
2.0 kW 86 m HAAT, 456 m COR
Prot.= 60 dBu, Intef.= 100 dBu



FMCommander Single Allocation Study - 04-04-2023 - GLOBE 30 Sec
KVLRA's Overlaps (In= 0.0 km, Out= 0.0 km)

KVLRA CH 223 C3 73.215 N
Lat= 30 19 23.80, Lng= 97 47 59.50
4.0 kW 254.8 m HAAT, 479 m COR
Prot.= 60 dBu, Intef.= 100 dBu

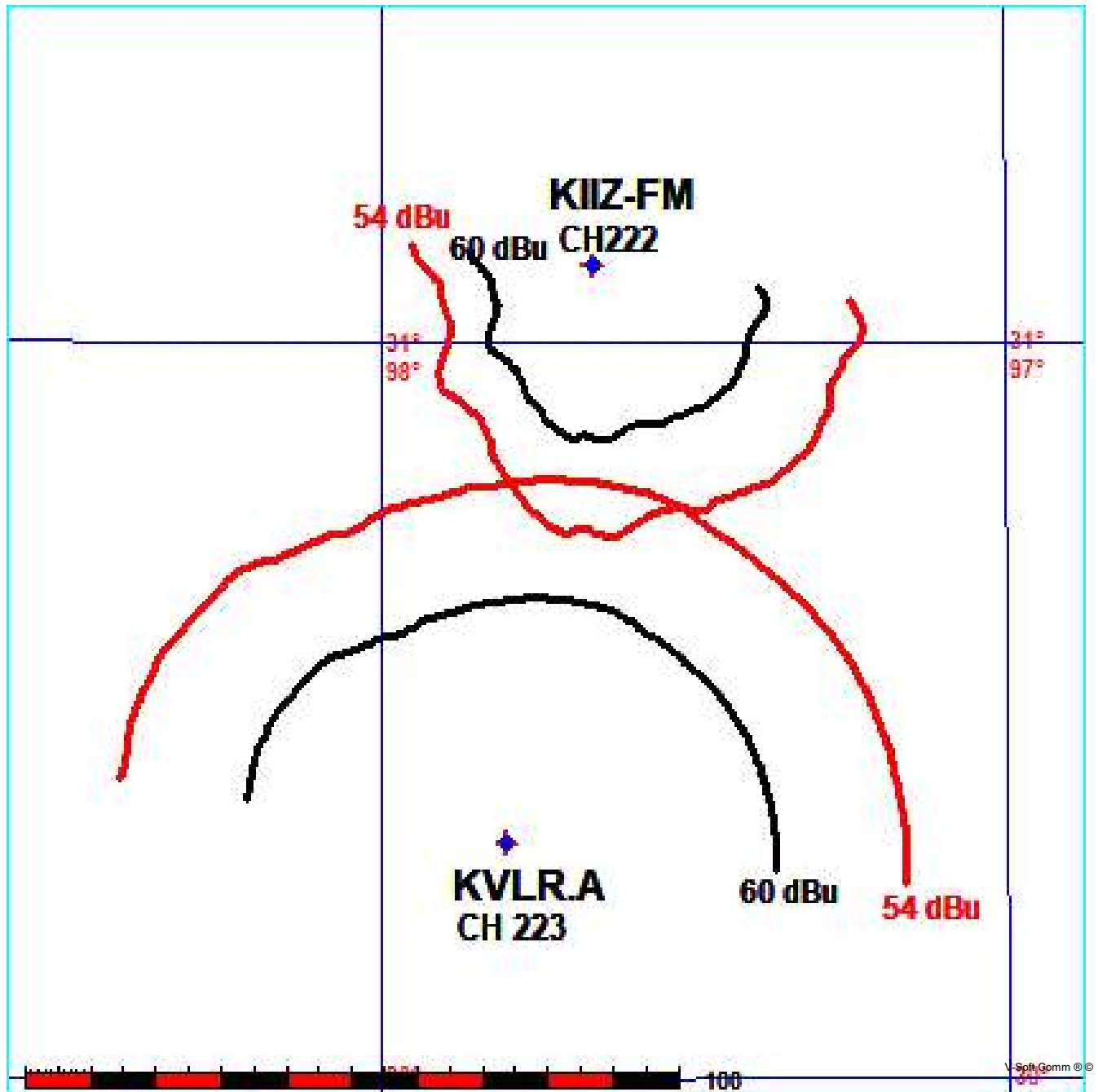
KLLR CH 220 A 73.215 N BLED20150825AAC
Lat= 30 11 58.70, Lng= 98 11 29.10
2.0 kW 86 m HAAT, 456 m COR
Prot.= 60 dBu, Intef.= 100 dBu



FMCommander Single Allocation Study - 04-04-2023 - GLOBE 30 Sec
KVLR.A's Overlaps (In= 0.0 km, Out= 0.0 km)

KVLR.A CH 223 C3 73.215 N
Lat= 30 19 23.80, Lng= 97 47 59.50
4.0 kW 254.8 m HAAT, 479 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KIIZ-FM CH 222 A BLH20090113ABH
Lat= 31 06 29.60, Lng= 97 39 51.10
6.0 kW 73 m HAAT, 312 m COR
Prot.= 60 dBu, Intef.= 54 dBu



Overlap Population Report
KVL R.P (223) / Sunset Valley, TX

Overlap Area Type: Intersection
Areas Included:
KVL R.P (223): FCC F(50-50) 70.00 dBu (FCC HAAT)
PLST: Sunset Valley, TX

Population Database: 2020 US Census (PL)

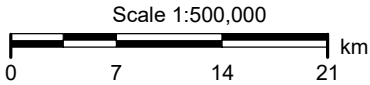
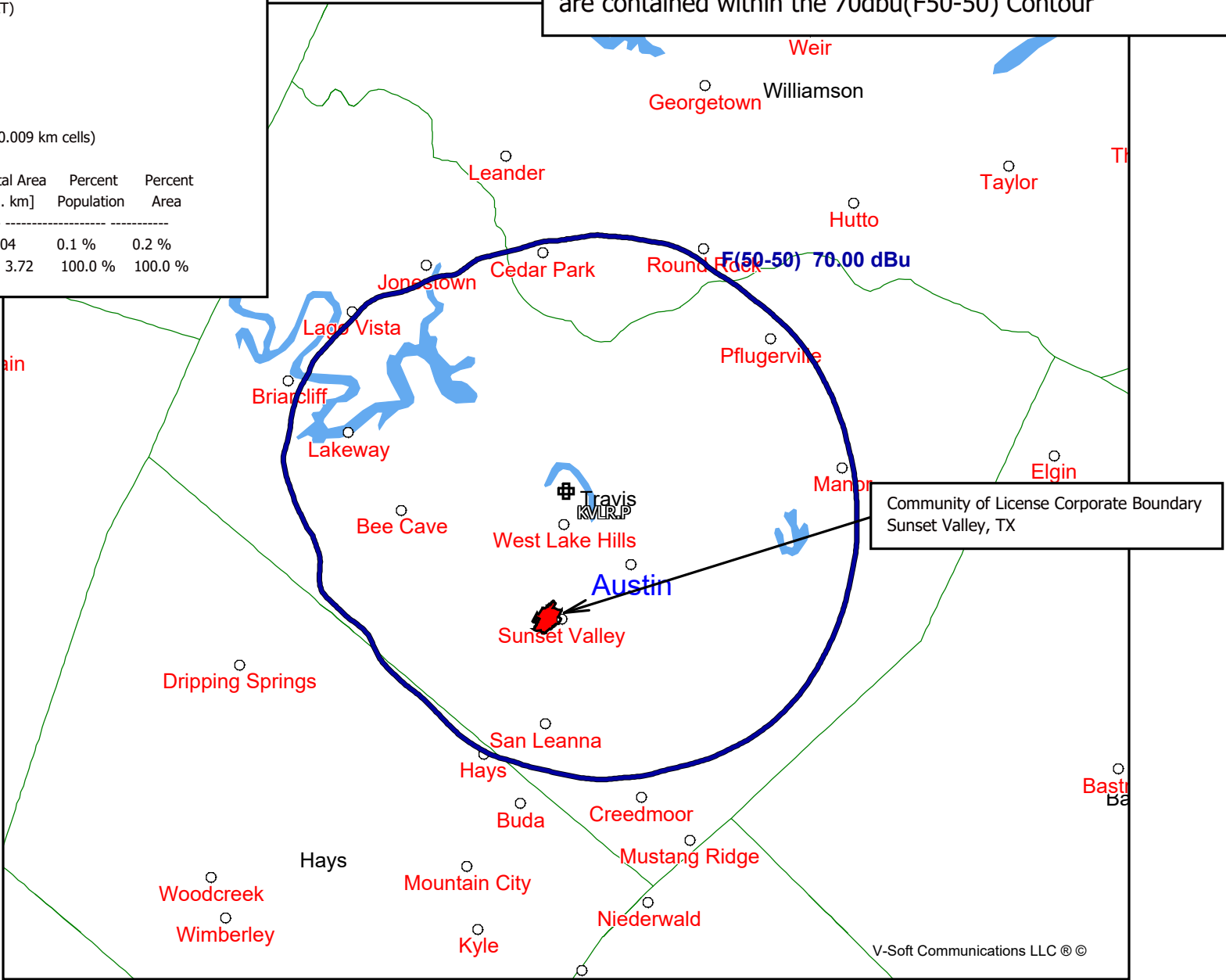
Total Population: 993
Overlap Area: 3.72 sq. km (Area determined using 0.009 km cells)

Area Description	Total Population	Total Area [sq. km]	Percent Population	Percent Area
KVL R.P (223): FCC F(50-50) 70	1,308,427	1,704	0.1 %	0.2 %
PLST: Sunset Valley, TX	993	3.72	100.0 %	100.0 %

KVL R.P

BXLED20170502AAS
Latitude: 30-19-23.80 N
Longitude: 097-47-59.50 W
ERP: 4.00 kW
Channel: 223
Frequency: 92.5 MHz
AMSL Height: 479.0 m
Elevation: 249.0 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

Exhibit 3
Community of License Coverage
Note: 100% of the Population and Area of Sunset Valley, TX are contained within the 70dbu(F50-50) Contour



Environmental Protection

There are two main factors that need to be addressed in order to make sure that the environment around a proposed facility is protected.

1) Significant affects to the environment.

EMF's proposed facility will be constructed on an existing tower (tower ID 1013180) and will cause no adverse effects to the surrounding environment at the site.

2) Human exposure to excess levels of radiofrequency radiation.

The proposed facility is to be built using an ERI LPX-4E 4-bay half-waved EPA Type 3 circularly polarized antenna.

According to OET 65, "Applicants and licensees should be able to calculate, based on considerations of frequency, power and antenna characteristics the distance from their transmitter where their signal produces an RF field equal to, or greater than, the 5% threshold limit. The applicant or licensee then shares responsibility for compliance in any accessible area or areas within this 5% "contour" where the appropriate limits are found to be exceeded."

The proposed facility's maximum contribution to RF on the site is $0.08\text{uW}/\text{cm}^2$ at a distance of 217 meters from the tower, which is 0.04% of the uncontrolled (public) exposure limit.

Therefore, because the proposed facility will not cause an RF field that is equal to or greater than 5% of the $200\text{ uW}/\text{cm}^2$ limit for uncontrolled exposure at any point, the proposed facility complies with the requirements of OET 65.

EMF will fully cooperate with other site users to temporarily reduce power or cease broadcasting, as necessary, to protect workers and others having access to the site from excessive levels of RF Radiation.