

TECHNICAL REPORT

This technical report has been developed in support of a minor modification application for KSAM-FM on 269A at Huntsville, TX, FCC facility I.D. 70721. A one-step upgrade to channel 269C3 is requested with a corresponding reference point modification for station KSML-FM. The following exhibits are provided for the form 301:

- E-1 KSAM-FM 269C3 Spacing Study
- E-2 KSAM-FM Reference Site Spacing
- E-3 KSAM-FM 269C3 Reference site 70 dBu Circle Plot
- E-4 KSAM-FM 269C3 Reference Site Topographic Map
- E-5 KSML-FM 270C2 Reference Site Spacing
- E-6 KSML-FM 270C2 Reference Site 70 dBu Circle Plot
- E-7 KSML-FM 270C2 Reference Site Topographic Map
- E-8 KSAM-FM Interference Contour Plot to KSML-FM 270C2
- E-9 FMOver Tabulation to KSML(FM) 270C2
- E-10 Interference Contour Plot to KBXT(FM) 270A Max. Class
- E-11 FMOver Tabulation to KBXT(FM) 270A Max. Class
- E-12 Directional Antenna Pattern
- E-13 HAAT Calculation
- E-14 70 dBu Contour Coverage of Huntsville, TX
- E-15 RF Calculation
- E-16 ASR 1064090

FCC 30 Meter Terrain used throughout

KSAM-FM population and area gains:

The upgrade of KSAM-FM to 269C3 will result in a substantial increase in Population (2015 estimates) and area served:

| | 60 dBu | 70 dBu |
|-------------|----------------------|--------------------|
| 269C3 | 171,893/ 4,657 sq km | 67,743/1,640 sq km |
| 269A LIC | 82,102/ 2,589 sq km | 55,500/ 859 sq km |
| Gain | 89,791 2,068 sq km | 12,243 781 sq km |
| | +109.4% +79.9% | +22.1% + 90.9% |

KSAM-FM Modification Analysis:

The KSAM-FM modification will be fully-spaced on channel 269C3, with the exception of KSML-FM 270C2 and KBXT(FM) 270A (Exhibit E-1). As a result, KSAM-FM is to be designated as a 73.215(c) facility.

KSAM-FM and KSML-FM reference points:

Channel 269C3 can be allotted to Huntsville, TX at a fully-spaced reference point at coordinates:

N 30-41-58 W 95-31-48 (NAD 83) (Exhibit E-2 to E-4).

This reference point change will not require physical changes to the station's facilities. In addition, KSML-FM is not required to file an application in order to effectuate this reference point change. The Media Bureau can recognize that the allotment of Channel 269C3 is consistent with the spacing requirements at the following reference point for KSML-FM:

N 31-25-04 W 94-37-44 (NAD 83) (exhibits E-5 to E-6).

In the Report and Order, *Revision of Procedures Governing Amendments to FM Table of Allotments and Changes to Community of License in the Radio Broadcast Services*, 21 FCC Rcd 14212 (2006) at paragraph. 9, the Commission stated, "we will not count required reference coordinate changes (which are not set out in the Table of Allotments) against the current limit of four contingent minor change applications that may be filed simultaneously." In that proceeding, the Commission eliminated the rule

making process for these types of channel upgrades in class. In so doing the Commission permitted the previously required rule making changes (such as reference point changes) to be performed at the application stage. *See e.g. Station WNFN, Franklin, TN (BPH-20170627AAL).*

The purpose of designating a reference point is to demonstrate that the allotment of Channel 269C3 can be made to Huntsville, TX as if there were a two-step procedure. Since there is no longer a two-step procedure, the reference points will not be needed once the KSAM-FM permit is granted. KSML-FM can continue operating with its license facilities. The locations for each of the reference points are theoretically available for construction of a supporting tower and can provide 70 dBu coverage to their respective communities of license.

Accordingly, there is no need to request that the licensee of KSML-FM provide a consent statement in order to effectuate this change. There is no actual change affecting KSML-FM. Instead, KSAM-FM has demonstrated that the allotment coordinates comply with Section 73.207 of the Commission's Rules. An interference plot and FM Over tabulation to KSML-FM are provided in exhibits E-7 and E-8 and to KBXT(FM) in exhibits E-9 and E-10.

KSAM-FM Antenna System:

The facility is located on an existing tower, ASR 1064090, at coordinates:

30-41-41.0N 95-33-05.0W NAD83.

A PSI FML eight bay, full wavelength-spaced directional antenna (exhibit E-11) will be mounted at a COR AGL of 84 meters, 226 meters AMSL, 126.8 meter HAAT (exhibit E-

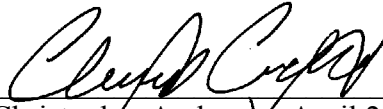
12) and operate at an ERP of 15.5 kW. A 70 dBu contour covering the Huntsville, TX community of license is provided in exhibit E-13.

RF Exposure Calculation:

The RF production of the 11.0 kW eight bay facility was calculated using the Commission's FMMODEL program (exhibit E-14). The maximum RF at a height of 2 meters above ground was calculated to be $15.4 \mu\text{Watts/cm}^2$ at a distance of 19.8 meters from the tower, which is below the $200 \mu\text{Watts/cm}^2$ permissible for general public/uncontrolled exposure.

Conclusion:

It is concluded that the minor modification of KSAM-FM is in full compliance with the Commission rules and policies.



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E-1 KSAM-FM 269C3 Spacing Study

| | | | | | | |
|-------------------------------------|--|--|------------------------------|--|--|-----------------|
| REFERENCE | | | | | | DISPLAY DATES |
| 30 41 41.00 N. | | | CLASS = C3 | | | DATA 04-25-22 |
| 95 33 05.00 W. | | | Current Spacings to 3rd Adj. | | | SEARCH 04-25-22 |
| ----- Channel 269 - 101.7 MHz ----- | | | | | | |

| Call | Channel | Location | | Azi | Dist | FCC | Margin |
|---------|-------------|--------------|----|-------|--------|-------|-----------|
| KSAM-FM | CP -Z 269C3 | Huntsville | TX | 150.2 | 0.01 | 152.5 | -152.5 |
| KSAM-FM | LIC 269A | Huntsville | TX | 337.3 | 0.25 | 141.5 | -141.3 |
| KSML-FM | LIC-N 270C2 | Huntington | TX | 49.5 | 110.12 | 116.5 | -6.4 |
| KBXT | LIC 270A | Wixon Valley | TX | 278.0 | 88.41 | 88.5 | -0.09 (1) |
| KSML-FM | RUL 270C2 | Huntington | TX | 52.8 | 118.53 | 116.5 | 2.0 |
| KNTE | LIC 269C1 | Bay City | TX | 194.9 | 217.21 | 210.5 | 6.7 |
| KAYD-FM | LIC-N 269C3 | Silsbee | TX | 113.0 | 162.41 | 152.5 | 9.9 |
| KNLY | LIC-D 216C3 | New Waverly | TX | 124.2 | 29.68 | 13.5 | 16.2 |
| KNUE | LIC 268C0 | Tyler | TX | 18.0 | 182.68 | 162.5 | 20.2 |
| KLOL | LIC 266C | Houston | TX | 178.2 | 124.03 | 95.5 | 28.5 |
| KMJQ | LIC 271C | Houston | TX | 177.4 | 124.31 | 95.5 | 28.8 |
| KKEE | LIC-N 267A | Centerville | TX | 326.4 | 73.23 | 41.5 | 31.7 |
| KLTD | LIC 269C3 | Temple | TX | 290.6 | 187.18 | 152.5 | 34.7 |

Reference station has protected zone issue: AM tower
All separation margins include rounding.

- (1) The KSAM-FM 269A modification to 269C3 will be designated as a 73.215(c) short-spaced facility to KSML-FM 270 C2 and KBXT(FM) 270A.

E-2 KSAM-FM 269C3 Reference Spacing Study

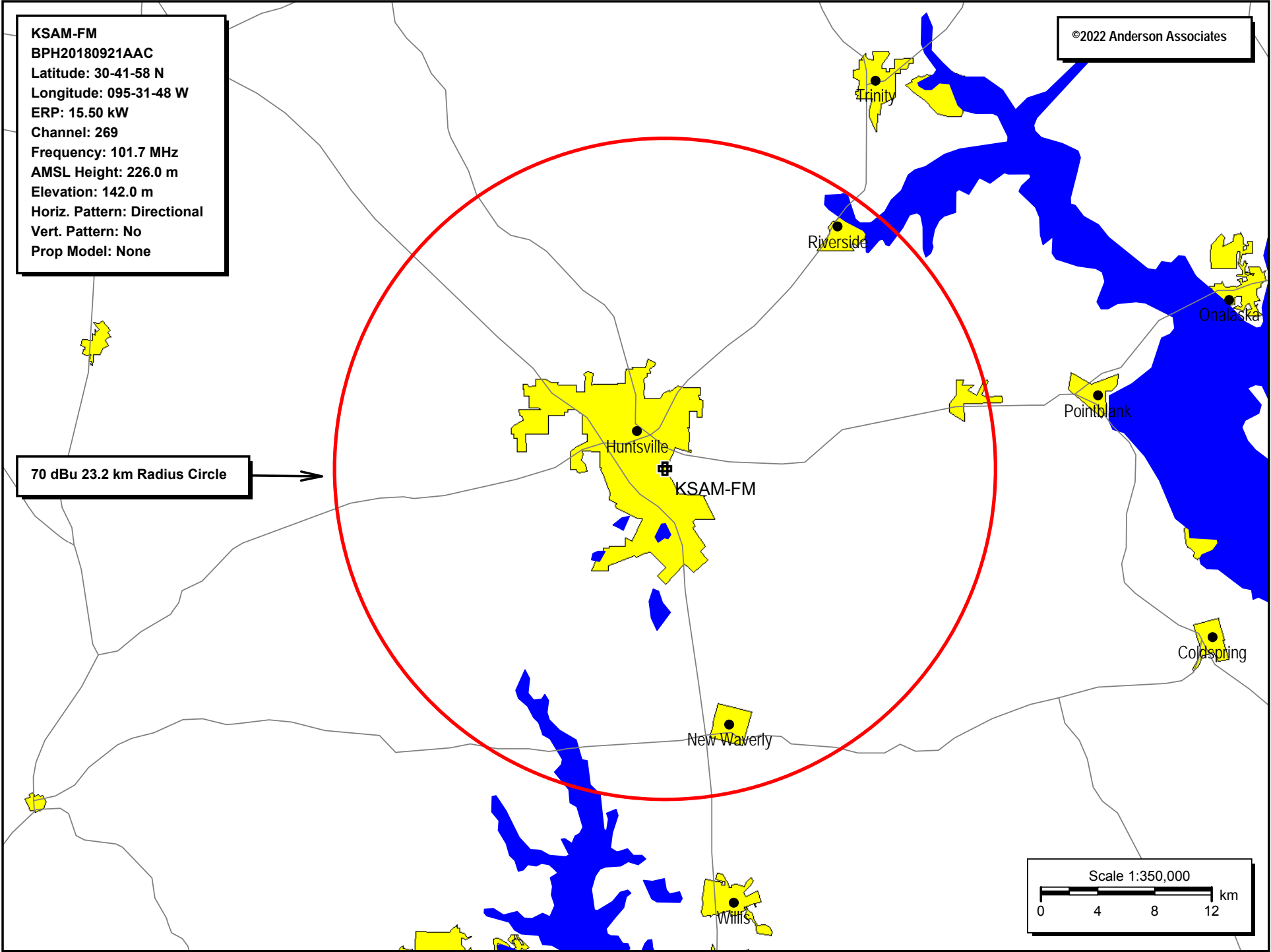
| | | | | | | |
|-------------------------------------|--|--|------------------------------|--|--|-----------------|
| REFERENCE | | | | | | DISPLAY DATES |
| 30 41 58.00 N. | | | CLASS = C3 | | | DATA 04-25-22 |
| 95 31 48.00 W. | | | Current Spacings to 3rd Adj. | | | SEARCH 04-26-22 |
| ----- Channel 269 - 101.7 MHz ----- | | | | | | |

| Call | Channel | Location | | Azi | Dist | FCC | Margin |
|---------|-------------|--------------|----|-------|--------|-------|--------|
| KSAM-FM | CP -Z 269C3 | Huntsville | TX | 255.3 | 2.11 | 152.5 | -150.4 |
| KSAM-FM | LIC 269A | Huntsville | TX | 262.3 | 2.16 | 141.5 | -139.3 |
| KSML-FM | RUL 270C2 | Huntington | TX | 52.4 | 116.59 | 116.5 | 0.09 |
| KBXT | LIC 270A | Wixon Valley | TX | 277.5 | 90.37 | 88.5 | 1.9 |
| KNTE | LIC 269C1 | Bay City | TX | 195.4 | 218.26 | 210.5 | 7.8 |
| KAYD-FM | LIC-N 269C3 | Silsbee | TX | 113.5 | 160.73 | 152.5 | 8.2 |
| KSML-FM | LIC-N 270C2 | Huntington | TX | 44.4 | 128.48 | 116.5 | 12.0 |
| KNLY | LIC-D 216C3 | New Waverly | TX | 127.4 | 28.32 | 13.5 | 14.8 |
| KNUE | LIC 268C0 | Tyler | TX | 17.4 | 181.55 | 162.5 | 19.1 |
| KLLOL | LIC 266C | Houston | TX | 179.1 | 124.51 | 95.5 | 29.0 |
| KMJQ | LIC 271C | Houston | TX | 178.4 | 124.76 | 95.5 | 29.3 |
| KKEE | LIC-N 267A | Centerville | TX | 324.9 | 73.96 | 41.5 | 32.5 |
| KLTD | LIC 269C3 | Temple | TX | 290.3 | 188.92 | 152.5 | 36.4 |

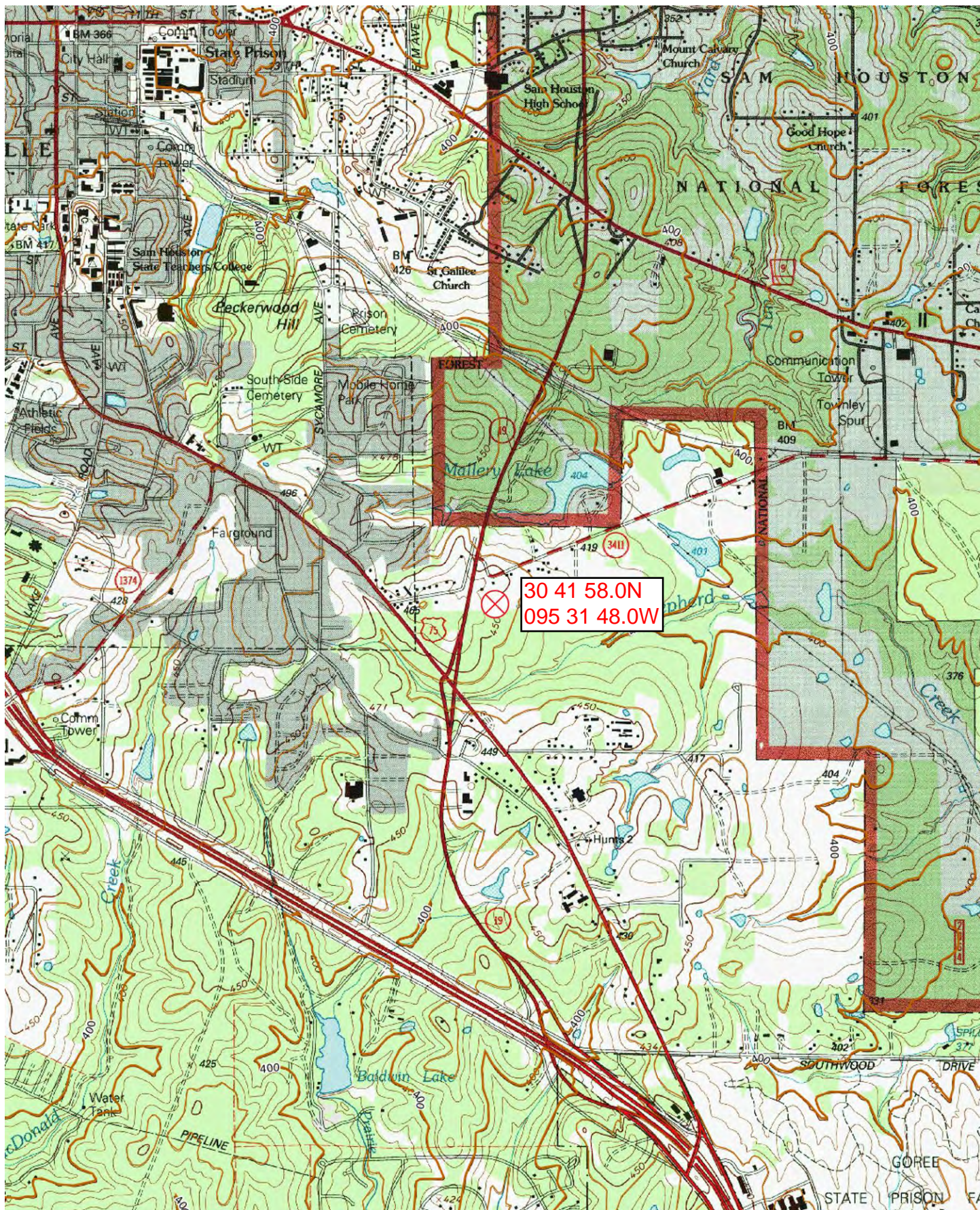
All separation margins include rounding.

KSML-FM reference point modified to N 30-25-04 W 94-37-44.

E-3 KSAM-FM 269C3 Fully-Spaced Reference 70 dBu Circle Plot



E-4 KSAM-FM 269C3 Fully-Spaced Reference Topo Map



Mercator Projection

WGS84

UTM Zone 15R



0.5 1.0 1.5 2.0 2.5 km



0.5 1.0 1.5 mi
Scale 1:24000 1 inch = 2000 feet



MN
2.1°

E-5 KSML-FM 270C2 Fully-Spaced Reference

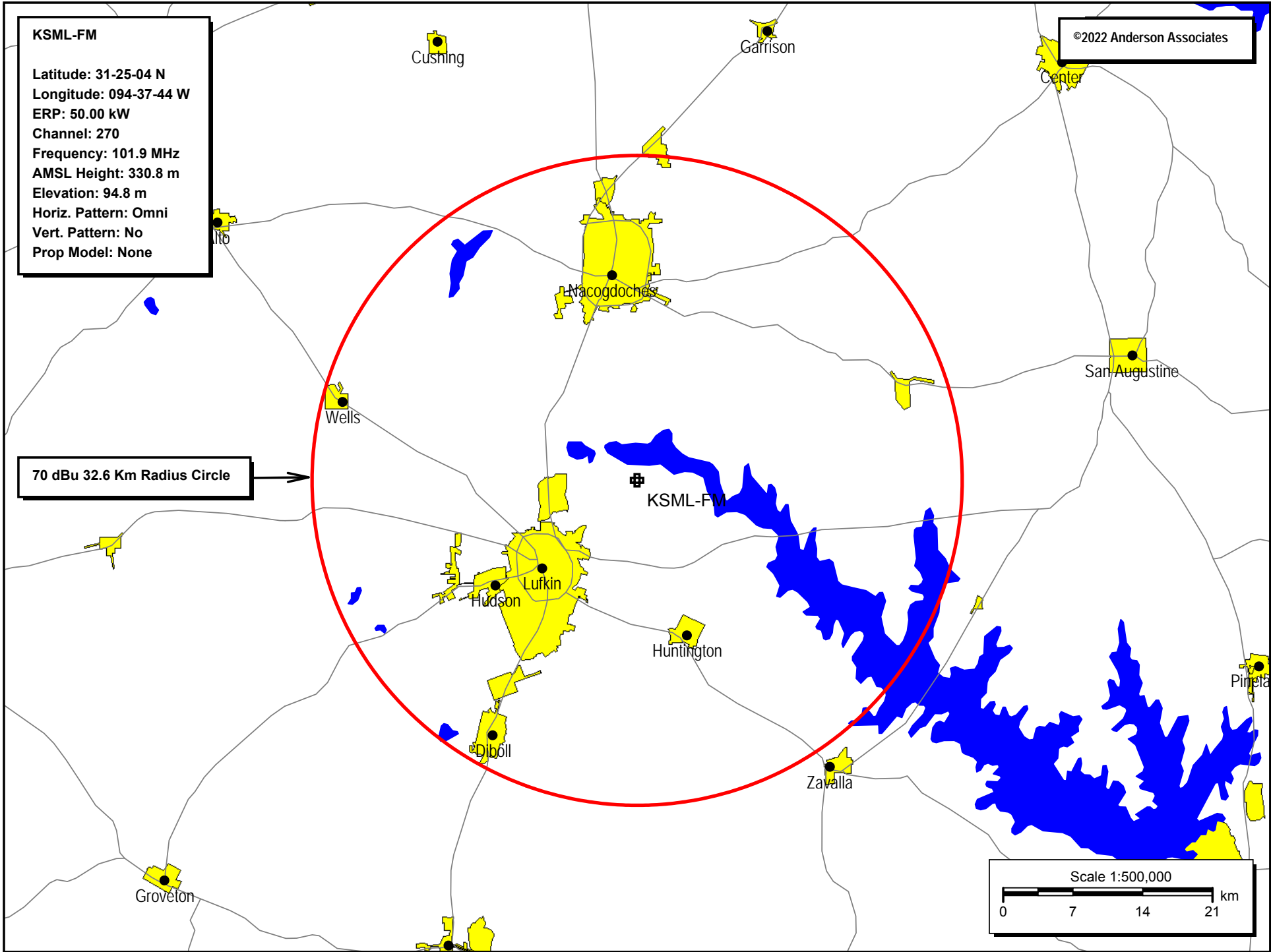
| | | | |
|-------------------------------------|------------------------------|--|-----------------|
| REFERENCE | | | DISPLAY DATES |
| 31 25 04.00 N. | CLASS = C2 | | DATA 04-25-22 |
| 94 37 44.00 W. | Current Spacings to 3rd Adj. | | SEARCH 04-26-22 |
| ----- Channel 270 - 101.9 MHz ----- | | | |

| Call | Channel | Location | | Azi | Dist | FCC | Margin |
|-----------|-------------|--------------|----|-------|--------|-------|--------|
| KSML-FM | LIC-N 270C2 | Huntington | TX | 202.8 | 9.97 | 189.5 | -179.5 |
| KSAM-FM | CP -Z 269C3 | Huntsville | TX | 227.3 | 117.21 | 116.5 | 0.7 |
| AU9868095 | VAC 269A | Hornbeck | LA | 95.8 | 110.86 | 105.5 | 5.4 |
| AL11781 | ALO 269A | Hornbeck | LA | 95.8 | 110.86 | 105.5 | 5.4 |
| KMVX | LIC 270C | Monroe | LA | 69.6 | 257.20 | 248.5 | 8.7 |
| KNUE | LIC 268C0 | Tyler | TX | 342.1 | 98.21 | 88.5 | 9.7 |
| KSAM-FM | LIC 269A | Huntsville | TX | 227.9 | 118.99 | 105.5 | 13.5 |
| KLJT | LIC 272C2 | Jacksonville | TX | 314.9 | 71.68 | 57.5 | 14.2 |
| KBXT | LIC 270A | Wixon Valley | TX | 249.1 | 188.13 | 165.5 | 22.6 |
| KDKS-FM | LIC 271C3 | Blanchard | LA | 27.4 | 147.99 | 116.5 | 31.5 |
| KMJQ | LIC 271C | Houston | TX | 202.2 | 220.57 | 187.5 | 33.1 |
| KAYD-FM | LIC-N 269C3 | Silsbee | TX | 157.3 | 156.48 | 116.5 | 40.0 |

All separation margins include rounding.

KSAM-FM Reference Point to N 30-41-58 W 95-31-48.

E-6 KSML-FM 270C2 Fully-Spaced Reference 70 dBu Circle Plot



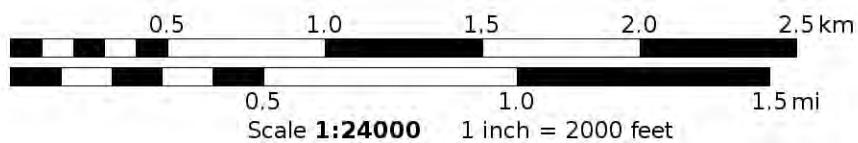
E-7 KSML-FM 270C2 Fully-Spaced Reference Topo



Mercator Projection

WGS84

UTM Zone 15R

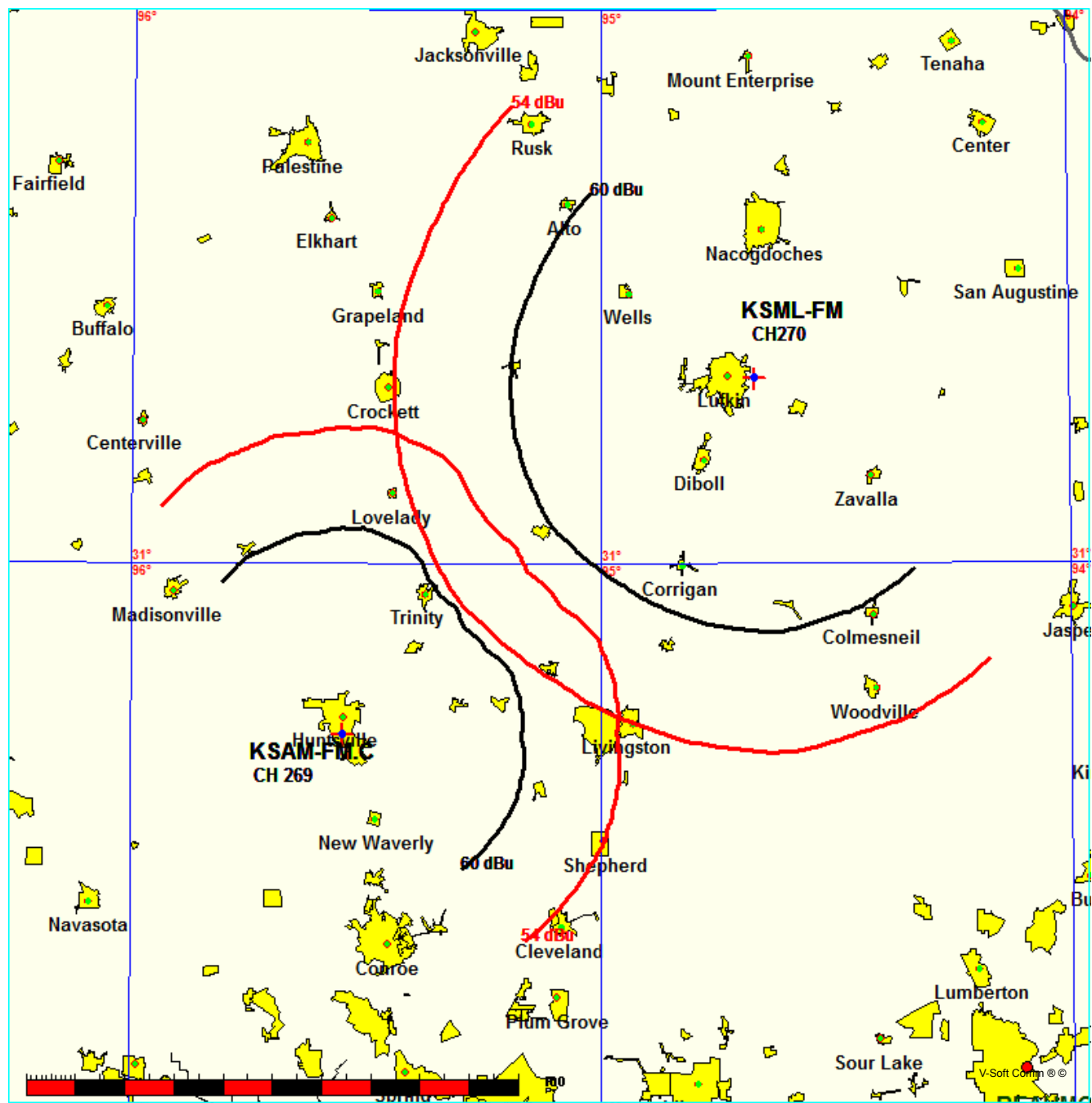


E-8 KSAM-FM 269C3 Interference Plot to KSML-FM 270C2

FMCommander Single Allocation Study - 04-25-2022 - FCC 30 meter
KSAM-FM.C's Overlaps (In= 3.11 km, Out= 10.03 km)

KSAM-FM.C CH 269 C3 73.215 Z
Lat= 30 41 41.00, Lng= 95 33 05.00
15.5 kW 126.8 m HAAT, 226 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KSML-FM CH 270 C2 73.215 N BLH20080305ABG
Lat= 31 20 05.70, Lng= 94 40 10.70
15.0 kW 252 m HAAT, 330.8 m COR
Prot.= 60 dBu, Intef.= 54 dBu



E-9 KSAM-FM 269C3 FMOver Tabulation From KSML-FM 270C2

KSAM-FM

KSML-FM BLH20080305ABG

Channel = 269C3
Max ERP = 15.5 kW
RCAMSL = 226.04 m
N. Lat. 30 41 41.00
W. Lng. 95 33 05.00
Protected

Channel = 270C2
Max ERP = 15 kW
RCAMSL = 330.8 m
N. Lat. 31 20 05.70
W. Lng. 94 40 10.70
Interfering

60 dBu

Terrain Data: FCC 30 meter 54 dBu

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 350.0 | 015.5000 | 0139.6 | 040.6 | 251.3 | 015.0000 | 0249.7 | 096.1 | 46.99 | |
| 351.0 | 015.5000 | 0139.1 | 040.5 | 251.2 | 015.0000 | 0249.7 | 095.4 | 47.20 | |
| 352.0 | 015.5000 | 0139.1 | 040.5 | 251.1 | 015.0000 | 0249.6 | 094.7 | 47.41 | |
| 353.0 | 015.5000 | 0137.9 | 040.4 | 250.9 | 015.0000 | 0249.6 | 094.1 | 47.62 | |
| 354.0 | 015.5000 | 0138.1 | 040.4 | 250.9 | 015.0000 | 0249.6 | 093.4 | 47.83 | |
| 355.0 | 015.5000 | 0139.1 | 040.5 | 250.8 | 015.0000 | 0249.7 | 092.7 | 48.06 | |
| 356.0 | 015.5000 | 0139.5 | 040.6 | 250.7 | 015.0000 | 0249.8 | 092.0 | 48.28 | |
| 357.0 | 015.5000 | 0141.6 | 040.8 | 250.8 | 015.0000 | 0249.7 | 091.2 | 48.52 | |
| 358.0 | 015.5000 | 0141.9 | 040.9 | 250.7 | 015.0000 | 0249.8 | 090.5 | 48.74 | |
| 359.0 | 015.5000 | 0143.0 | 041.0 | 250.6 | 015.0000 | 0249.9 | 089.8 | 48.97 | |
| 000.0 | 015.5000 | 0143.1 | 041.0 | 250.5 | 015.0000 | 0250.1 | 089.1 | 49.19 | |
| 001.0 | 015.5000 | 0142.1 | 040.9 | 250.2 | 015.0000 | 0250.4 | 088.5 | 49.40 | |
| 002.0 | 015.5000 | 0141.8 | 040.9 | 250.0 | 015.0000 | 0250.4 | 087.8 | 49.60 | |
| 003.0 | 015.5000 | 0142.3 | 040.9 | 249.9 | 015.0000 | 0250.2 | 087.2 | 49.81 | |
| 004.0 | 015.5000 | 0143.1 | 041.0 | 249.7 | 015.0000 | 0250.2 | 086.5 | 50.03 | |
| 005.0 | 015.5000 | 0144.3 | 041.2 | 249.6 | 015.0000 | 0250.2 | 085.8 | 50.26 | |
| 006.0 | 015.5000 | 0145.0 | 041.3 | 249.5 | 015.0000 | 0250.2 | 085.1 | 50.48 | |
| 007.0 | 015.5000 | 0143.3 | 041.0 | 249.1 | 015.0000 | 0250.4 | 084.5 | 50.66 | |
| 008.0 | 015.5000 | 0142.3 | 040.9 | 248.8 | 015.0000 | 0250.4 | 084.0 | 50.84 | |
| 009.0 | 015.5000 | 0141.8 | 040.9 | 248.5 | 015.0000 | 0250.4 | 083.4 | 51.03 | |
| 010.0 | 015.5000 | 0141.4 | 040.8 | 248.2 | 015.0000 | 0250.4 | 082.8 | 51.22 | |
| 011.0 | 015.2223 | 0140.2 | 040.5 | 247.8 | 015.0000 | 0250.4 | 082.4 | 51.36 | |
| 012.0 | 014.9470 | 0140.1 | 040.3 | 247.4 | 015.0000 | 0250.7 | 081.9 | 51.52 | |
| 013.0 | 014.6743 | 0139.6 | 040.1 | 247.0 | 015.0000 | 0251.1 | 081.4 | 51.68 | |
| 014.0 | 014.4041 | 0140.2 | 040.1 | 246.7 | 015.0000 | 0251.3 | 080.9 | 51.85 | |
| 015.0 | 014.1364 | 0141.0 | 040.0 | 246.3 | 015.0000 | 0251.3 | 080.4 | 52.02 | |
| 016.0 | 013.8712 | 0141.7 | 039.9 | 246.0 | 015.0000 | 0251.1 | 079.9 | 52.17 | |
| 017.0 | 013.6085 | 0142.7 | 039.9 | 245.6 | 015.0000 | 0251.1 | 079.4 | 52.33 | |
| 018.0 | 013.3484 | 0143.3 | 039.8 | 245.2 | 015.0000 | 0250.9 | 079.0 | 52.48 | |
| 019.0 | 013.0907 | 0142.9 | 039.6 | 244.8 | 015.0000 | 0251.0 | 078.6 | 52.60 | |
| 020.0 | 012.8356 | 0143.8 | 039.6 | 244.4 | 015.0000 | 0251.2 | 078.2 | 52.75 | |
| 021.0 | 012.3052 | 0144.6 | 039.3 | 243.9 | 015.0000 | 0251.6 | 077.9 | 52.86 | |
| 022.0 | 011.7860 | 0145.4 | 039.1 | 243.4 | 015.0000 | 0252.0 | 077.6 | 52.96 | |
| 023.0 | 011.2779 | 0145.7 | 038.7 | 242.9 | 015.0000 | 0252.7 | 077.4 | 53.04 | |
| 024.0 | 010.7811 | 0146.5 | 038.4 | 242.3 | 015.0000 | 0253.1 | 077.2 | 53.12 | |
| 025.0 | 010.2955 | 0145.7 | 038.0 | 241.7 | 015.0000 | 0253.9 | 077.2 | 53.16 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 026.0 | 009.8210 | 0143.2 | 037.3 | 241.0 | 015.0000 | 0254.3 | 077.4 | 53.11 |
| 027.0 | 009.3578 | 0140.9 | 036.6 | 240.4 | 015.0000 | 0254.8 | 077.6 | 53.07 |
| 028.0 | 008.9057 | 0140.4 | 036.2 | 239.8 | 015.0000 | 0255.5 | 077.6 | 53.07 |
| 029.0 | 008.4649 | 0140.1 | 035.7 | 239.2 | 015.0000 | 0255.8 | 077.7 | 53.06 |
| 030.0 | 008.0352 | 0140.3 | 035.3 | 238.7 | 015.0000 | 0256.2 | 077.7 | 53.06 |
| 031.0 | 007.8797 | 0139.6 | 035.1 | 238.2 | 015.0000 | 0256.3 | 077.6 | 53.08 |
| 032.0 | 007.7258 | 0138.4 | 034.8 | 237.7 | 015.0000 | 0256.9 | 077.6 | 53.10 |
| 033.0 | 007.5733 | 0137.4 | 034.5 | 237.2 | 015.0000 | 0257.5 | 077.6 | 53.12 |
| 034.0 | 007.4224 | 0137.5 | 034.4 | 236.8 | 015.0000 | 0258.2 | 077.5 | 53.17 |
| 035.0 | 007.2730 | 0137.3 | 034.2 | 236.3 | 015.0000 | 0258.5 | 077.5 | 53.20 |
| 036.0 | 007.1251 | 0136.9 | 034.0 | 235.8 | 015.0000 | 0258.9 | 077.5 | 53.21 |
| 037.0 | 006.9787 | 0137.7 | 033.9 | 235.4 | 015.0000 | 0258.7 | 077.4 | 53.25 |
| 038.0 | 006.8339 | 0138.9 | 033.9 | 235.0 | 015.0000 | 0258.7 | 077.2 | 53.30 |
| 039.0 | 006.6906 | 0139.8 | 033.8 | 234.5 | 015.0000 | 0258.7 | 077.1 | 53.32 |
| 040.0 | 006.5487 | 0141.3 | 033.8 | 234.1 | 015.0000 | 0258.7 | 077.0 | 53.37 |
| 041.0 | 006.5487 | 0142.6 | 033.9 | 233.7 | 015.0000 | 0258.7 | 076.7 | 53.47 |
| 042.0 | 006.5487 | 0143.2 | 034.0 | 233.3 | 015.0000 | 0258.6 | 076.5 | 53.53 |
| 043.0 | 006.5487 | 0143.2 | 034.0 | 232.8 | 015.0000 | 0258.3 | 076.4 | 53.55 |
| 044.0 | 006.5487 | 0140.3 | 033.7 | 232.4 | 015.0000 | 0257.3 | 076.7 | 53.44 |
| 045.0 | 006.5487 | 0138.3 | 033.4 | 231.9 | 015.0000 | 0256.2 | 076.8 | 53.35 |
| 046.0 | 006.5487 | 0135.6 | 033.1 | 231.5 | 015.0000 | 0255.2 | 077.1 | 53.24 |
| 047.0 | 006.5487 | 0134.4 | 033.0 | 231.0 | 015.0000 | 0254.1 | 077.2 | 53.17 |
| 048.0 | 006.5487 | 0132.9 | 032.8 | 230.6 | 015.0000 | 0253.0 | 077.3 | 53.09 |
| 049.0 | 006.5487 | 0130.9 | 032.6 | 230.2 | 015.0000 | 0252.3 | 077.5 | 53.00 |
| 050.0 | 006.5487 | 0130.7 | 032.6 | 229.7 | 015.0000 | 0251.5 | 077.5 | 52.97 |
| 051.0 | 006.6906 | 0131.7 | 032.9 | 229.3 | 015.0000 | 0251.4 | 077.3 | 53.05 |
| 052.0 | 006.8339 | 0131.3 | 033.0 | 228.9 | 015.0000 | 0250.9 | 077.2 | 53.07 |
| 053.0 | 006.9787 | 0130.2 | 033.0 | 228.5 | 015.0000 | 0250.5 | 077.2 | 53.05 |
| 054.0 | 007.1251 | 0131.5 | 033.3 | 228.0 | 015.0000 | 0250.1 | 076.9 | 53.12 |
| 055.0 | 007.2730 | 0131.3 | 033.5 | 227.6 | 015.0000 | 0249.5 | 076.9 | 53.13 |
| 056.0 | 007.4224 | 0130.5 | 033.5 | 227.1 | 015.0000 | 0249.0 | 076.9 | 53.10 |
| 057.0 | 007.5733 | 0129.4 | 033.6 | 226.7 | 015.0000 | 0249.0 | 076.9 | 53.08 |
| 058.0 | 007.7258 | 0127.2 | 033.5 | 226.3 | 015.0000 | 0249.0 | 077.1 | 53.01 |
| 059.0 | 007.8797 | 0127.2 | 033.6 | 225.8 | 015.0000 | 0249.0 | 077.1 | 53.02 |
| 060.0 | 008.0352 | 0125.2 | 033.6 | 225.4 | 015.0000 | 0248.3 | 077.4 | 52.92 |
| 061.0 | 008.4649 | 0123.2 | 033.8 | 225.0 | 015.0000 | 0247.6 | 077.3 | 52.91 |
| 062.0 | 008.9057 | 0123.1 | 034.1 | 224.5 | 015.0000 | 0247.2 | 077.1 | 52.96 |
| 063.0 | 009.3578 | 0123.0 | 034.5 | 223.9 | 015.0000 | 0247.1 | 077.0 | 53.01 |
| 064.0 | 009.8210 | 0123.2 | 034.9 | 223.4 | 015.0000 | 0246.7 | 076.8 | 53.05 |
| 065.0 | 010.2955 | 0122.1 | 035.2 | 222.9 | 015.0000 | 0245.8 | 076.8 | 53.02 |
| 066.0 | 010.7811 | 0121.1 | 035.4 | 222.4 | 015.0000 | 0245.2 | 076.8 | 53.00 |
| 067.0 | 011.2779 | 0119.6 | 035.6 | 222.0 | 015.0000 | 0244.8 | 076.9 | 52.95 |
| 068.0 | 011.7860 | 0119.3 | 035.9 | 221.4 | 015.0000 | 0244.1 | 076.9 | 52.93 |
| 069.0 | 012.3052 | 0118.2 | 036.1 | 221.0 | 015.0000 | 0243.8 | 077.0 | 52.88 |
| 070.0 | 012.8356 | 0117.1 | 036.3 | 220.5 | 015.0000 | 0243.4 | 077.2 | 52.82 |
| 071.0 | 013.0907 | 0116.4 | 036.4 | 220.0 | 015.0000 | 0243.0 | 077.4 | 52.73 |
| 072.0 | 013.3484 | 0115.2 | 036.4 | 219.6 | 015.0000 | 0242.8 | 077.8 | 52.61 |
| 073.0 | 013.6085 | 0113.6 | 036.3 | 219.3 | 015.0000 | 0242.8 | 078.2 | 52.48 |
| 074.0 | 013.8712 | 0113.7 | 036.5 | 218.8 | 015.0000 | 0243.0 | 078.4 | 52.41 |
| 075.0 | 014.1364 | 0112.3 | 036.4 | 218.5 | 015.0000 | 0243.1 | 078.8 | 52.28 |
| 076.0 | 014.4041 | 0111.1 | 036.4 | 218.1 | 015.0000 | 0242.8 | 079.2 | 52.14 |

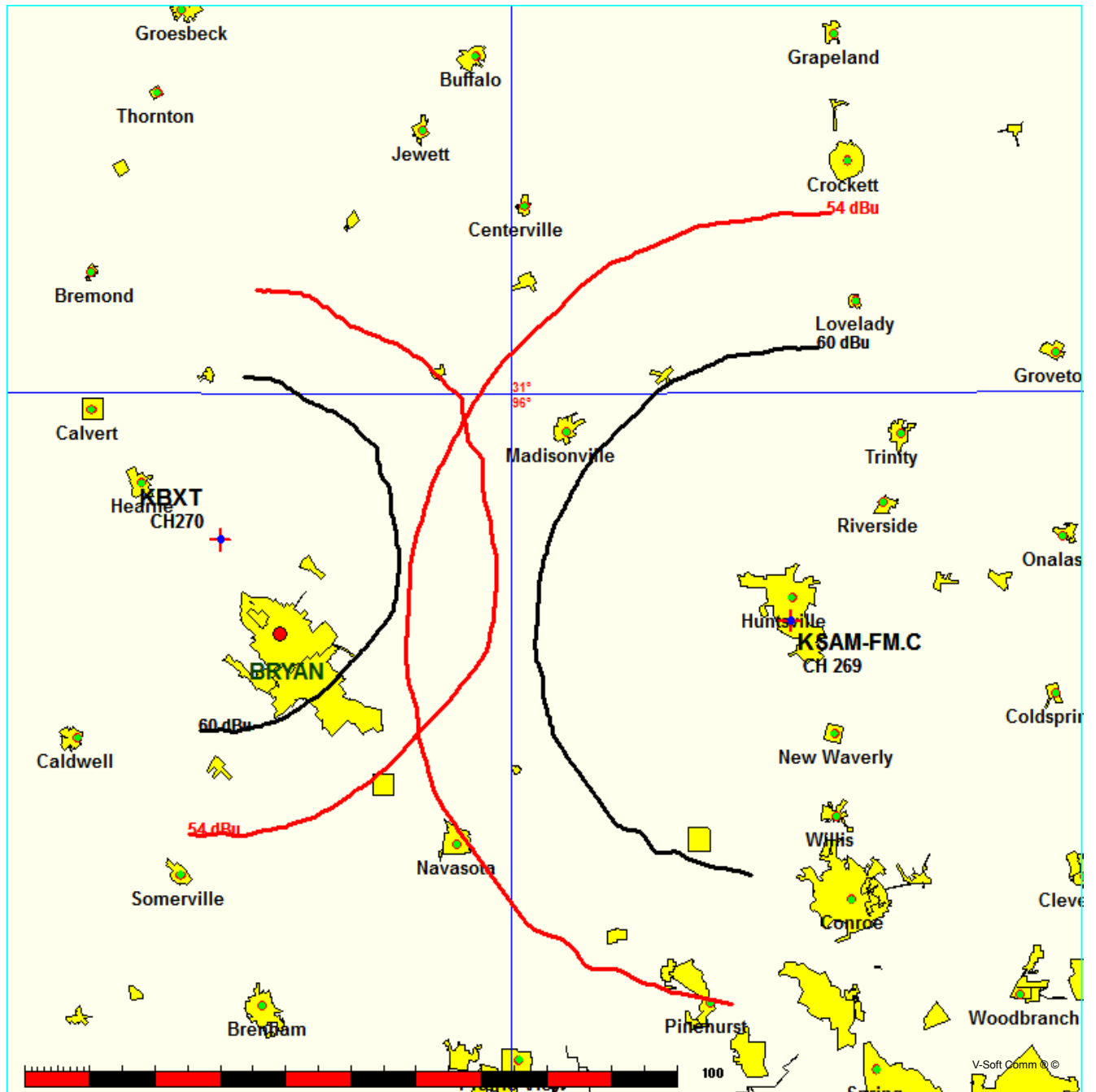
| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 077.0 | 014.6743 | 0111.6 | 036.6 | 217.7 | 015.0000 | 0242.3 | 079.4 | 52.05 |
| 078.0 | 014.9470 | 0111.2 | 036.7 | 217.3 | 015.0000 | 0242.4 | 079.8 | 51.93 |
| 079.0 | 015.2223 | 0110.9 | 036.8 | 216.9 | 015.0000 | 0242.4 | 080.1 | 51.82 |
| 080.0 | 015.5000 | 0109.8 | 036.8 | 216.6 | 015.0000 | 0242.2 | 080.6 | 51.67 |
| 081.0 | 015.5000 | 0108.9 | 036.7 | 216.3 | 015.0000 | 0242.1 | 081.1 | 51.49 |
| 082.0 | 015.5000 | 0108.0 | 036.5 | 216.1 | 015.0000 | 0241.8 | 081.7 | 51.30 |
| 083.0 | 015.5000 | 0108.8 | 036.7 | 215.7 | 015.0000 | 0241.4 | 082.1 | 51.16 |
| 084.0 | 015.5000 | 0110.0 | 036.8 | 215.3 | 015.0000 | 0241.1 | 082.4 | 51.04 |
| 085.0 | 015.5000 | 0110.3 | 036.9 | 215.0 | 015.0000 | 0240.9 | 082.9 | 50.88 |
| 086.0 | 015.5000 | 0110.3 | 036.9 | 214.7 | 015.0000 | 0240.4 | 083.4 | 50.70 |
| 087.0 | 015.5000 | 0109.9 | 036.8 | 214.5 | 015.0000 | 0240.1 | 083.9 | 50.51 |
| 088.0 | 015.5000 | 0109.3 | 036.7 | 214.3 | 015.0000 | 0239.9 | 084.5 | 50.32 |
| 089.0 | 015.5000 | 0108.3 | 036.6 | 214.1 | 015.0000 | 0239.8 | 085.1 | 50.13 |
| 090.0 | 015.5000 | 0107.7 | 036.5 | 213.9 | 015.0000 | 0239.8 | 085.7 | 49.94 |
| 091.0 | 015.5000 | 0108.2 | 036.6 | 213.6 | 015.0000 | 0239.8 | 086.2 | 49.78 |
| 092.0 | 015.5000 | 0108.3 | 036.6 | 213.4 | 015.0000 | 0239.8 | 086.7 | 49.62 |
| 093.0 | 015.5000 | 0109.2 | 036.7 | 213.1 | 015.0000 | 0239.6 | 087.2 | 49.45 |
| 094.0 | 015.5000 | 0110.5 | 036.9 | 212.8 | 015.0000 | 0239.5 | 087.7 | 49.30 |
| 095.0 | 015.5000 | 0111.5 | 037.1 | 212.5 | 015.0000 | 0239.4 | 088.2 | 49.14 |
| 096.0 | 015.5000 | 0112.6 | 037.2 | 212.2 | 015.0000 | 0239.4 | 088.7 | 48.97 |
| 097.0 | 015.5000 | 0113.4 | 037.3 | 212.0 | 015.0000 | 0239.4 | 089.2 | 48.80 |
| 098.0 | 015.5000 | 0113.9 | 037.4 | 211.8 | 015.0000 | 0239.5 | 089.8 | 48.63 |
| 099.0 | 015.5000 | 0114.2 | 037.4 | 211.6 | 015.0000 | 0239.6 | 090.4 | 48.44 |
| 100.0 | 015.5000 | 0115.5 | 037.6 | 211.4 | 015.0000 | 0239.7 | 090.9 | 48.28 |
| 101.0 | 015.5000 | 0116.2 | 037.7 | 211.2 | 015.0000 | 0239.8 | 091.5 | 48.10 |
| 102.0 | 015.5000 | 0115.7 | 037.6 | 211.1 | 015.0000 | 0239.9 | 092.2 | 47.90 |
| 103.0 | 015.5000 | 0116.5 | 037.7 | 210.9 | 015.0000 | 0240.0 | 092.8 | 47.72 |
| 104.0 | 015.5000 | 0115.9 | 037.6 | 210.8 | 015.0000 | 0240.1 | 093.4 | 47.52 |
| 105.0 | 015.5000 | 0115.6 | 037.6 | 210.7 | 015.0000 | 0240.1 | 094.1 | 47.32 |
| 106.0 | 015.5000 | 0116.1 | 037.7 | 210.6 | 015.0000 | 0240.2 | 094.7 | 47.13 |
| 107.0 | 015.5000 | 0117.4 | 037.8 | 210.4 | 015.0000 | 0240.5 | 095.3 | 46.95 |
| 108.0 | 015.5000 | 0117.7 | 037.9 | 210.3 | 015.0000 | 0240.6 | 095.9 | 46.76 |
| 109.0 | 015.5000 | 0116.7 | 037.7 | 210.3 | 015.0000 | 0240.6 | 096.6 | 46.55 |

E-10 KSAM-FM 269C3 Interference Plot to KBXT(FM) 270A Max. Class

FMCommander Single Allocation Study - 04-25-2022 - FCC 30 meter
KSAM-FM.C's Overlaps (In= 6.54 km, Out= 1.78 km)

KSAM-FM.C CH 269 C3 73.215 Z
Lat= 30 41 41.00, Lng= 95 33 05.00
15.5 kW 126.8 m HAAT, 226 m COR
Prot.= 60 dBu, Intef.= 54 dBu

KBXT^ CH 270 A BLH20090615AFI
Lat= 30 48 05.70, Lng= 96 27 58.90
Max Cls: 6.0 kW 100 m HAAT, 202 m COR
Prot.= 60 dBu, Intef.= 54 dBu



E-11 KSAM-FM 269C3 FMOver Tabulation to KBXT(FM) 270A Max. Class

KSAM-FM

Channel = 269C3
Max ERP = 15.5 kW
RCAMSL = 226 m
N. Lat. 30 41 41.00
W. Lng. 95 33 05.00
Protected
60 dBu

KBXT BLH20090615AFI
(^ Max Class Parameters)
Channel = 270A
Max ERP = 6 kW
RCAMSL = 202 m
N. Lat. 30 48 05.70
W. Lng. 96 27 58.90
Interfering
54 dBu

Terrain Data: FCC 30 meter

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 218.0 | 015.5000 | 0138.5 | 040.4 | 124.8 | 006.0000 | 0095.2 | 076.5 | 42.60 | |
| 219.0 | 015.5000 | 0140.9 | 040.7 | 124.9 | 006.0000 | 0095.1 | 075.8 | 42.79 | |
| 220.0 | 015.5000 | 0142.7 | 041.0 | 125.1 | 006.0000 | 0095.1 | 075.0 | 43.00 | |
| 221.0 | 015.5000 | 0143.6 | 041.1 | 125.1 | 006.0000 | 0095.1 | 074.3 | 43.21 | |
| 222.0 | 015.5000 | 0143.0 | 041.0 | 125.0 | 006.0000 | 0095.1 | 073.6 | 43.40 | |
| 223.0 | 015.5000 | 0141.8 | 040.9 | 124.8 | 006.0000 | 0095.1 | 072.9 | 43.61 | |
| 224.0 | 015.5000 | 0140.7 | 040.7 | 124.6 | 006.0000 | 0095.4 | 072.2 | 43.81 | |
| 225.0 | 015.5000 | 0139.5 | 040.6 | 124.4 | 006.0000 | 0095.6 | 071.5 | 44.02 | |
| 226.0 | 015.5000 | 0138.9 | 040.5 | 124.3 | 006.0000 | 0095.6 | 070.9 | 44.22 | |
| 227.0 | 015.5000 | 0137.8 | 040.4 | 124.0 | 006.0000 | 0095.5 | 070.2 | 44.40 | |
| 228.0 | 015.5000 | 0136.8 | 040.2 | 123.8 | 006.0000 | 0095.3 | 069.5 | 44.59 | |
| 229.0 | 015.5000 | 0136.4 | 040.2 | 123.6 | 006.0000 | 0095.4 | 068.9 | 44.79 | |
| 230.0 | 015.5000 | 0135.5 | 040.1 | 123.4 | 006.0000 | 0095.4 | 068.2 | 44.98 | |
| 231.0 | 015.5000 | 0135.3 | 040.0 | 123.2 | 006.0000 | 0095.5 | 067.6 | 45.18 | |
| 232.0 | 015.5000 | 0135.5 | 040.1 | 123.0 | 006.0000 | 0095.6 | 066.9 | 45.38 | |
| 233.0 | 015.5000 | 0135.2 | 040.0 | 122.8 | 006.0000 | 0095.7 | 066.3 | 45.58 | |
| 234.0 | 015.5000 | 0134.8 | 040.0 | 122.5 | 006.0000 | 0095.7 | 065.6 | 45.77 | |
| 235.0 | 015.5000 | 0134.3 | 039.9 | 122.3 | 006.0000 | 0095.7 | 065.0 | 45.96 | |
| 236.0 | 015.5000 | 0135.2 | 040.0 | 122.1 | 006.0000 | 0095.7 | 064.3 | 46.17 | |
| 237.0 | 015.5000 | 0135.5 | 040.1 | 121.9 | 006.0000 | 0095.6 | 063.7 | 46.36 | |
| 238.0 | 015.5000 | 0135.7 | 040.1 | 121.6 | 006.0000 | 0095.6 | 063.0 | 46.57 | |
| 239.0 | 015.5000 | 0136.0 | 040.1 | 121.4 | 006.0000 | 0095.6 | 062.4 | 46.78 | |
| 240.0 | 015.5000 | 0136.2 | 040.2 | 121.1 | 006.0000 | 0095.8 | 061.7 | 46.99 | |
| 241.0 | 015.5000 | 0137.0 | 040.3 | 120.9 | 006.0000 | 0095.9 | 061.1 | 47.23 | |
| 242.0 | 015.5000 | 0137.5 | 040.3 | 120.6 | 006.0000 | 0096.3 | 060.4 | 47.47 | |
| 243.0 | 015.5000 | 0138.2 | 040.4 | 120.3 | 006.0000 | 0096.7 | 059.8 | 47.72 | |
| 244.0 | 015.5000 | 0139.1 | 040.5 | 120.0 | 006.0000 | 0097.0 | 059.1 | 47.97 | |
| 245.0 | 015.5000 | 0137.9 | 040.4 | 119.5 | 006.0000 | 0097.4 | 058.6 | 48.17 | |
| 246.0 | 015.5000 | 0136.2 | 040.2 | 118.9 | 006.0000 | 0097.7 | 058.2 | 48.35 | |
| 247.0 | 015.5000 | 0136.0 | 040.1 | 118.5 | 006.0000 | 0097.8 | 057.6 | 48.56 | |
| 248.0 | 015.5000 | 0135.0 | 040.0 | 118.0 | 006.0000 | 0098.1 | 057.2 | 48.75 | |
| 249.0 | 015.5000 | 0134.6 | 040.0 | 117.5 | 006.0000 | 0098.2 | 056.7 | 48.94 | |
| 250.0 | 015.5000 | 0133.9 | 039.9 | 116.9 | 006.0000 | 0098.7 | 056.2 | 49.15 | |
| 251.0 | 015.5000 | 0133.6 | 039.8 | 116.4 | 006.0000 | 0099.0 | 055.7 | 49.35 | |
| 252.0 | 015.5000 | 0133.3 | 039.8 | 115.9 | 006.0000 | 0099.3 | 055.3 | 49.54 | |
| 253.0 | 015.5000 | 0132.4 | 039.7 | 115.3 | 006.0000 | 0099.9 | 054.9 | 49.74 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 254.0 | 015.5000 | 0131.0 | 039.5 | 114.6 | 006.0000 | 0100.8 | 054.5 | 49.93 |
| 255.0 | 015.5000 | 0129.6 | 039.3 | 113.9 | 006.0000 | 0101.3 | 054.2 | 50.08 |
| 256.0 | 015.5000 | 0128.7 | 039.2 | 113.3 | 006.0000 | 0101.6 | 053.9 | 50.23 |
| 257.0 | 015.5000 | 0127.6 | 039.1 | 112.6 | 006.0000 | 0101.8 | 053.6 | 50.36 |
| 258.0 | 015.5000 | 0127.8 | 039.1 | 112.1 | 006.0000 | 0102.1 | 053.2 | 50.54 |
| 259.0 | 015.5000 | 0128.3 | 039.2 | 111.5 | 006.0000 | 0101.8 | 052.7 | 50.68 |
| 260.0 | 015.5000 | 0129.5 | 039.3 | 110.9 | 006.0000 | 0101.2 | 052.3 | 50.83 |
| 261.0 | 015.5000 | 0130.9 | 039.5 | 110.4 | 006.0000 | 0100.8 | 051.8 | 50.99 |
| 262.0 | 015.5000 | 0130.9 | 039.5 | 109.7 | 006.0000 | 0100.5 | 051.4 | 51.10 |
| 263.0 | 015.5000 | 0129.8 | 039.4 | 109.0 | 006.0000 | 0100.3 | 051.2 | 51.15 |
| 264.0 | 015.5000 | 0130.2 | 039.4 | 108.3 | 006.0000 | 0100.1 | 050.9 | 51.27 |
| 265.0 | 015.5000 | 0129.4 | 039.3 | 107.5 | 006.0000 | 0099.5 | 050.7 | 51.29 |
| 266.0 | 015.5000 | 0128.5 | 039.2 | 106.8 | 006.0000 | 0099.5 | 050.5 | 51.36 |
| 267.0 | 015.5000 | 0128.0 | 039.1 | 106.0 | 006.0000 | 0099.0 | 050.4 | 51.38 |
| 268.0 | 015.5000 | 0127.2 | 039.0 | 105.2 | 006.0000 | 0098.4 | 050.2 | 51.38 |
| 269.0 | 015.5000 | 0126.1 | 038.9 | 104.5 | 006.0000 | 0097.7 | 050.2 | 51.36 |
| 270.0 | 015.5000 | 0125.8 | 038.9 | 103.7 | 006.0000 | 0097.5 | 050.0 | 51.40 |
| 271.0 | 015.5000 | 0124.9 | 038.8 | 102.9 | 006.0000 | 0097.1 | 050.0 | 51.38 |
| 272.0 | 015.5000 | 0125.0 | 038.8 | 102.1 | 006.0000 | 0096.7 | 049.8 | 51.41 |
| 273.0 | 015.5000 | 0125.2 | 038.8 | 101.4 | 006.0000 | 0096.3 | 049.7 | 51.43 |
| 274.0 | 015.5000 | 0125.2 | 038.8 | 100.6 | 006.0000 | 0095.8 | 049.6 | 51.43 |
| 275.0 | 015.5000 | 0125.2 | 038.8 | 099.8 | 006.0000 | 0096.0 | 049.5 | 51.47 |
| 276.0 | 015.5000 | 0125.2 | 038.8 | 099.1 | 006.0000 | 0096.0 | 049.5 | 51.49 |
| 277.0 | 015.5000 | 0125.8 | 038.9 | 098.3 | 006.0000 | 0095.5 | 049.4 | 51.49 |
| 278.0 | 015.5000 | 0126.6 | 039.0 | 097.5 | 006.0000 | 0095.2 | 049.3 | 51.50 |
| 279.0 | 015.5000 | 0126.5 | 039.0 | 096.7 | 006.0000 | 0095.0 | 049.3 | 51.48 |
| 280.0 | 015.5000 | 0126.3 | 038.9 | 095.9 | 006.0000 | 0094.6 | 049.4 | 51.42 |
| 281.0 | 015.5000 | 0125.9 | 038.9 | 095.1 | 006.0000 | 0094.2 | 049.5 | 51.35 |
| 282.0 | 015.5000 | 0125.8 | 038.9 | 094.3 | 006.0000 | 0093.9 | 049.5 | 51.30 |
| 283.0 | 015.5000 | 0125.7 | 038.9 | 093.6 | 006.0000 | 0093.5 | 049.6 | 51.23 |
| 284.0 | 015.5000 | 0125.7 | 038.9 | 092.8 | 006.0000 | 0093.0 | 049.8 | 51.14 |
| 285.0 | 015.5000 | 0124.6 | 038.7 | 092.1 | 006.0000 | 0092.0 | 050.0 | 50.96 |
| 286.0 | 015.5000 | 0124.7 | 038.7 | 091.3 | 006.0000 | 0091.3 | 050.2 | 50.85 |
| 287.0 | 015.5000 | 0124.9 | 038.8 | 090.6 | 006.0000 | 0090.6 | 050.3 | 50.74 |
| 288.0 | 015.5000 | 0124.7 | 038.7 | 089.8 | 006.0000 | 0090.3 | 050.5 | 50.63 |
| 289.0 | 015.5000 | 0125.0 | 038.8 | 089.1 | 006.0000 | 0090.1 | 050.7 | 50.55 |
| 290.0 | 015.5000 | 0124.9 | 038.8 | 088.4 | 006.0000 | 0089.9 | 051.0 | 50.45 |
| 291.0 | 015.5000 | 0124.9 | 038.8 | 087.7 | 006.0000 | 0090.2 | 051.2 | 50.38 |
| 292.0 | 015.5000 | 0124.8 | 038.7 | 087.0 | 006.0000 | 0090.1 | 051.5 | 50.27 |
| 293.0 | 015.5000 | 0124.1 | 038.7 | 086.4 | 006.0000 | 0089.6 | 051.9 | 50.09 |
| 294.0 | 015.5000 | 0123.1 | 038.5 | 085.8 | 006.0000 | 0089.4 | 052.3 | 49.92 |
| 295.0 | 015.5000 | 0122.6 | 038.5 | 085.1 | 006.0000 | 0089.2 | 052.7 | 49.77 |
| 296.0 | 015.5000 | 0122.8 | 038.5 | 084.5 | 006.0000 | 0088.8 | 053.0 | 49.62 |
| 297.0 | 015.5000 | 0122.8 | 038.5 | 083.9 | 006.0000 | 0088.3 | 053.3 | 49.45 |
| 298.0 | 015.5000 | 0122.9 | 038.5 | 083.3 | 006.0000 | 0088.1 | 053.7 | 49.30 |
| 299.0 | 015.5000 | 0122.8 | 038.5 | 082.7 | 006.0000 | 0088.1 | 054.1 | 49.16 |
| 300.0 | 015.5000 | 0123.2 | 038.6 | 082.1 | 006.0000 | 0087.9 | 054.4 | 49.01 |
| 301.0 | 015.5000 | 0123.3 | 038.6 | 081.5 | 006.0000 | 0087.6 | 054.9 | 48.84 |
| 302.0 | 015.5000 | 0123.4 | 038.6 | 081.0 | 006.0000 | 0087.3 | 055.3 | 48.66 |
| 303.0 | 015.5000 | 0123.9 | 038.6 | 080.4 | 006.0000 | 0087.1 | 055.7 | 48.50 |
| 304.0 | 015.5000 | 0124.4 | 038.7 | 079.9 | 006.0000 | 0087.1 | 056.1 | 48.36 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 305.0 | 015.5000 | 0124.7 | 038.7 | 079.4 | 006.0000 | 0087.3 | 056.5 | 48.21 |
| 306.0 | 015.5000 | 0124.7 | 038.7 | 078.9 | 006.0000 | 0087.6 | 057.0 | 48.06 |
| 307.0 | 015.5000 | 0125.3 | 038.8 | 078.4 | 006.0000 | 0087.7 | 057.5 | 47.91 |
| 308.0 | 015.5000 | 0125.9 | 038.9 | 077.9 | 006.0000 | 0087.8 | 057.9 | 47.75 |
| 309.0 | 015.5000 | 0126.3 | 038.9 | 077.4 | 006.0000 | 0088.3 | 058.4 | 47.61 |
| 310.0 | 015.5000 | 0126.1 | 038.9 | 077.0 | 006.0000 | 0088.5 | 059.0 | 47.44 |
| 311.0 | 015.5000 | 0126.0 | 038.9 | 076.6 | 006.0000 | 0088.9 | 059.5 | 47.28 |
| 312.0 | 015.5000 | 0125.7 | 038.9 | 076.3 | 006.0000 | 0089.1 | 060.1 | 47.10 |
| 313.0 | 015.5000 | 0125.3 | 038.8 | 076.0 | 006.0000 | 0089.3 | 060.7 | 46.91 |
| 314.0 | 015.5000 | 0124.7 | 038.7 | 075.7 | 006.0000 | 0089.5 | 061.3 | 46.72 |
| 315.0 | 015.5000 | 0125.1 | 038.8 | 075.3 | 006.0000 | 0090.0 | 061.8 | 46.57 |
| 316.0 | 015.5000 | 0125.3 | 038.8 | 075.0 | 006.0000 | 0090.5 | 062.4 | 46.42 |
| 317.0 | 015.5000 | 0125.0 | 038.8 | 074.7 | 006.0000 | 0090.5 | 063.0 | 46.23 |
| 318.0 | 015.5000 | 0125.7 | 038.9 | 074.4 | 006.0000 | 0090.5 | 063.6 | 46.06 |
| 319.0 | 015.5000 | 0125.2 | 038.8 | 074.1 | 006.0000 | 0090.7 | 064.2 | 45.87 |
| 320.0 | 015.5000 | 0125.1 | 038.8 | 073.9 | 006.0000 | 0090.7 | 064.8 | 45.69 |
| 321.0 | 015.5000 | 0125.7 | 038.9 | 073.6 | 006.0000 | 0091.1 | 065.4 | 45.54 |
| 322.0 | 015.5000 | 0125.5 | 038.8 | 073.4 | 006.0000 | 0091.4 | 066.1 | 45.37 |
| 323.0 | 015.5000 | 0126.3 | 038.9 | 073.1 | 006.0000 | 0091.5 | 066.7 | 45.20 |
| 324.0 | 015.5000 | 0127.2 | 039.0 | 072.8 | 006.0000 | 0091.6 | 067.3 | 45.03 |
| 325.0 | 015.5000 | 0128.8 | 039.2 | 072.5 | 006.0000 | 0091.5 | 067.9 | 44.85 |
| 326.0 | 015.5000 | 0130.3 | 039.4 | 072.2 | 006.0000 | 0091.3 | 068.5 | 44.67 |
| 327.0 | 015.5000 | 0131.4 | 039.6 | 071.9 | 006.0000 | 0091.0 | 069.1 | 44.47 |
| 328.0 | 015.5000 | 0132.7 | 039.7 | 071.6 | 006.0000 | 0090.6 | 069.7 | 44.27 |
| 329.0 | 015.5000 | 0133.6 | 039.8 | 071.4 | 006.0000 | 0090.3 | 070.4 | 44.06 |
| 330.0 | 015.5000 | 0134.7 | 040.0 | 071.2 | 006.0000 | 0090.0 | 071.0 | 43.86 |
| 331.0 | 015.5000 | 0135.1 | 040.0 | 071.0 | 006.0000 | 0089.8 | 071.7 | 43.66 |
| 332.0 | 015.5000 | 0135.5 | 040.1 | 070.9 | 006.0000 | 0089.6 | 072.4 | 43.45 |
| 333.0 | 015.5000 | 0136.4 | 040.2 | 070.7 | 006.0000 | 0089.4 | 073.0 | 43.25 |
| 334.0 | 015.5000 | 0136.1 | 040.1 | 070.7 | 006.0000 | 0089.3 | 073.7 | 43.05 |
| 335.0 | 015.5000 | 0135.0 | 040.0 | 070.7 | 006.0000 | 0089.4 | 074.4 | 42.85 |
| 336.0 | 015.5000 | 0134.5 | 039.9 | 070.7 | 006.0000 | 0089.4 | 075.2 | 42.65 |
| 337.0 | 015.5000 | 0135.6 | 040.1 | 070.6 | 006.0000 | 0089.2 | 075.8 | 42.46 |

04-26-2022

Terrain Data: FCC 30 meter

FMOver Analysis

KBXT BLH20090615AFI

KSAM-FM

(^ Max Class Parameters)

Channel = 270A

Channel = 269C3

Max ERP = 6 kW

Max ERP = 15.5 kW

RCAMSL = 202 m

RCAMSL = 226 m

N. Lat. 30 48 05.70

N. Lat. 30 41 41.00

W. Lng. 96 27 58.90

W. Lng. 95 33 05.00

Protected

Interfering

60 dBu

54 dBu

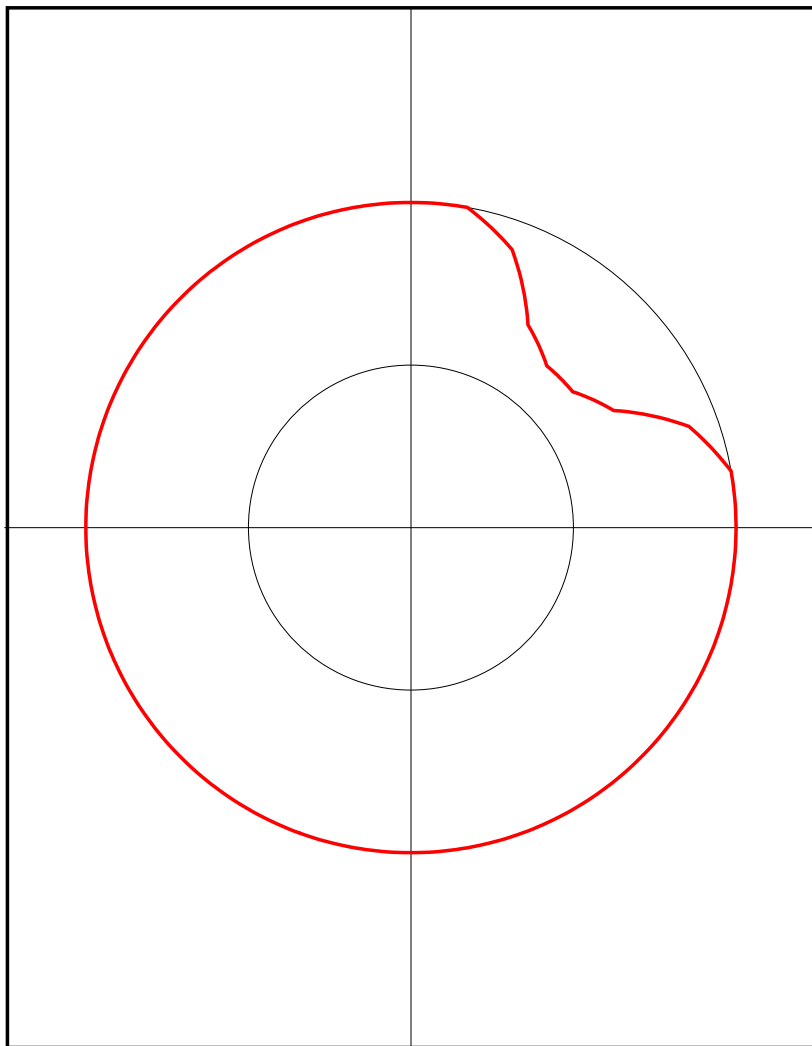
| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) | IX (km) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|------------|
| 038.0 | 006.0000 | 0080.0 | 025.5 | 294.2 | 015.5000 | 0122.8 | 078.4 | 47.54 | |
| 039.0 | 006.0000 | 0080.2 | 025.5 | 294.2 | 015.5000 | 0122.9 | 078.0 | 47.67 | |
| 040.0 | 006.0000 | 0081.1 | 025.6 | 294.2 | 015.5000 | 0122.9 | 077.5 | 47.81 | |
| 041.0 | 006.0000 | 0082.4 | 025.8 | 294.2 | 015.5000 | 0122.8 | 077.0 | 47.95 | |
| 042.0 | 006.0000 | 0083.5 | 026.0 | 294.2 | 015.5000 | 0122.8 | 076.6 | 48.09 | |
| 043.0 | 006.0000 | 0084.1 | 026.1 | 294.2 | 015.5000 | 0122.9 | 076.1 | 48.23 | |
| 044.0 | 006.0000 | 0085.0 | 026.2 | 294.1 | 015.5000 | 0122.9 | 075.6 | 48.37 | |
| 045.0 | 006.0000 | 0085.7 | 026.3 | 294.1 | 015.5000 | 0122.9 | 075.2 | 48.51 | |
| 046.0 | 006.0000 | 0086.1 | 026.4 | 294.0 | 015.5000 | 0123.1 | 074.7 | 48.65 | |
| 047.0 | 006.0000 | 0086.8 | 026.5 | 293.9 | 015.5000 | 0123.1 | 074.3 | 48.79 | |
| 048.0 | 006.0000 | 0088.2 | 026.7 | 293.9 | 015.5000 | 0123.1 | 073.8 | 48.95 | |
| 049.0 | 006.0000 | 0088.8 | 026.8 | 293.8 | 015.5000 | 0123.2 | 073.3 | 49.09 | |
| 050.0 | 006.0000 | 0089.4 | 026.8 | 293.7 | 015.5000 | 0123.3 | 072.8 | 49.23 | |
| 051.0 | 006.0000 | 0089.1 | 026.8 | 293.5 | 015.5000 | 0123.5 | 072.4 | 49.36 | |
| 052.0 | 006.0000 | 0088.9 | 026.8 | 293.3 | 015.5000 | 0123.7 | 072.1 | 49.49 | |
| 053.0 | 006.0000 | 0089.3 | 026.8 | 293.2 | 015.5000 | 0123.9 | 071.6 | 49.63 | |
| 054.0 | 006.0000 | 0090.3 | 027.0 | 293.1 | 015.5000 | 0124.0 | 071.1 | 49.79 | |
| 055.0 | 006.0000 | 0090.8 | 027.0 | 292.9 | 015.5000 | 0124.2 | 070.7 | 49.93 | |
| 056.0 | 006.0000 | 0091.4 | 027.1 | 292.8 | 015.5000 | 0124.3 | 070.3 | 50.07 | |
| 057.0 | 006.0000 | 0092.4 | 027.3 | 292.7 | 015.5000 | 0124.4 | 069.8 | 50.22 | |
| 058.0 | 006.0000 | 0094.0 | 027.5 | 292.6 | 015.5000 | 0124.5 | 069.3 | 50.39 | |
| 059.0 | 006.0000 | 0095.2 | 027.6 | 292.5 | 015.5000 | 0124.6 | 068.8 | 50.55 | |
| 060.0 | 006.0000 | 0095.2 | 027.6 | 292.2 | 015.5000 | 0124.8 | 068.4 | 50.68 | |
| 061.0 | 006.0000 | 0093.2 | 027.4 | 291.8 | 015.5000 | 0124.9 | 068.2 | 50.74 | |
| 062.0 | 006.0000 | 0091.6 | 027.1 | 291.4 | 015.5000 | 0124.9 | 068.0 | 50.81 | |
| 063.0 | 006.0000 | 0090.4 | 027.0 | 291.0 | 015.5000 | 0124.9 | 067.7 | 50.89 | |
| 064.0 | 006.0000 | 0090.4 | 027.0 | 290.7 | 015.5000 | 0125.1 | 067.4 | 51.01 | |
| 065.0 | 006.0000 | 0089.7 | 026.9 | 290.4 | 015.5000 | 0125.1 | 067.1 | 51.09 | |
| 066.0 | 006.0000 | 0088.7 | 026.7 | 290.0 | 015.5000 | 0124.9 | 066.9 | 51.15 | |
| 067.0 | 006.0000 | 0087.6 | 026.6 | 289.6 | 015.5000 | 0124.7 | 066.7 | 51.21 | |
| 068.0 | 006.0000 | 0086.9 | 026.5 | 289.3 | 015.5000 | 0124.8 | 066.5 | 51.29 | |
| 069.0 | 006.0000 | 0087.2 | 026.5 | 289.0 | 015.5000 | 0125.0 | 066.1 | 51.40 | |
| 070.0 | 006.0000 | 0088.4 | 026.7 | 288.8 | 015.5000 | 0125.0 | 065.7 | 51.54 | |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 071.0 | 006.0000 | 0089.8 | 026.9 | 288.6 | 015.5000 | 0124.9 | 065.3 | 51.68 |
| 072.0 | 006.0000 | 0091.1 | 027.1 | 288.3 | 015.5000 | 0124.9 | 064.8 | 51.81 |
| 073.0 | 006.0000 | 0091.5 | 027.1 | 288.0 | 015.5000 | 0124.7 | 064.5 | 51.90 |
| 074.0 | 006.0000 | 0090.7 | 027.0 | 287.6 | 015.5000 | 0124.8 | 064.4 | 51.96 |
| 075.0 | 006.0000 | 0090.5 | 027.0 | 287.2 | 015.5000 | 0124.8 | 064.1 | 52.03 |
| 076.0 | 006.0000 | 0089.3 | 026.8 | 286.8 | 015.5000 | 0125.0 | 064.0 | 52.08 |
| 077.0 | 006.0000 | 0088.5 | 026.7 | 286.4 | 015.5000 | 0124.7 | 063.9 | 52.11 |
| 078.0 | 006.0000 | 0087.7 | 026.6 | 286.0 | 015.5000 | 0124.6 | 063.8 | 52.14 |
| 079.0 | 006.0000 | 0087.6 | 026.6 | 285.6 | 015.5000 | 0124.6 | 063.6 | 52.20 |
| 080.0 | 006.0000 | 0087.2 | 026.5 | 285.2 | 015.5000 | 0124.6 | 063.4 | 52.25 |
| 081.0 | 006.0000 | 0087.3 | 026.5 | 284.8 | 015.5000 | 0124.8 | 063.2 | 52.33 |
| 082.0 | 006.0000 | 0087.8 | 026.6 | 284.5 | 015.5000 | 0125.1 | 063.0 | 52.43 |
| 083.0 | 006.0000 | 0088.1 | 026.7 | 284.1 | 015.5000 | 0125.6 | 062.8 | 52.53 |
| 084.0 | 006.0000 | 0088.4 | 026.7 | 283.7 | 015.5000 | 0125.9 | 062.6 | 52.61 |
| 085.0 | 006.0000 | 0089.2 | 026.8 | 283.3 | 015.5000 | 0125.8 | 062.3 | 52.70 |
| 086.0 | 006.0000 | 0089.5 | 026.9 | 282.9 | 015.5000 | 0125.7 | 062.1 | 52.75 |
| 087.0 | 006.0000 | 0090.1 | 026.9 | 282.5 | 015.5000 | 0125.6 | 061.9 | 52.82 |
| 088.0 | 006.0000 | 0090.0 | 026.9 | 282.1 | 015.5000 | 0125.8 | 061.8 | 52.87 |
| 089.0 | 006.0000 | 0090.1 | 026.9 | 281.7 | 015.5000 | 0125.7 | 061.7 | 52.90 |
| 090.0 | 006.0000 | 0090.2 | 027.0 | 281.2 | 015.5000 | 0125.7 | 061.6 | 52.94 |
| 091.0 | 006.0000 | 0091.0 | 027.1 | 280.8 | 015.5000 | 0126.0 | 061.4 | 53.03 |
| 092.0 | 006.0000 | 0091.9 | 027.2 | 280.4 | 015.5000 | 0126.3 | 061.2 | 53.11 |
| 093.0 | 006.0000 | 0093.1 | 027.4 | 280.0 | 015.5000 | 0126.3 | 061.0 | 53.19 |
| 094.0 | 006.0000 | 0093.7 | 027.4 | 279.6 | 015.5000 | 0126.3 | 060.9 | 53.24 |
| 095.0 | 006.0000 | 0094.1 | 027.5 | 279.1 | 015.5000 | 0126.4 | 060.8 | 53.28 |
| 096.0 | 006.0000 | 0094.5 | 027.6 | 278.7 | 015.5000 | 0126.5 | 060.7 | 53.31 |
| 097.0 | 006.0000 | 0095.1 | 027.6 | 278.2 | 015.5000 | 0126.6 | 060.6 | 53.34 |
| 098.0 | 006.0000 | 0095.4 | 027.7 | 277.7 | 015.5000 | 0126.4 | 060.6 | 53.35 |
| 099.0 | 006.0000 | 0095.9 | 027.7 | 277.3 | 015.5000 | 0126.1 | 060.5 | 53.35 |
| 100.0 | 006.0000 | 0096.0 | 027.8 | 276.8 | 015.5000 | 0125.8 | 060.5 | 53.33 |
| 101.0 | 006.0000 | 0095.9 | 027.7 | 276.4 | 015.5000 | 0125.7 | 060.6 | 53.31 |
| 102.0 | 006.0000 | 0096.6 | 027.8 | 275.9 | 015.5000 | 0125.2 | 060.5 | 53.30 |
| 103.0 | 006.0000 | 0097.1 | 027.9 | 275.4 | 015.5000 | 0125.2 | 060.5 | 53.30 |
| 104.0 | 006.0000 | 0097.5 | 028.0 | 275.0 | 015.5000 | 0125.3 | 060.5 | 53.30 |
| 105.0 | 006.0000 | 0098.2 | 028.0 | 274.5 | 015.5000 | 0125.4 | 060.5 | 53.31 |
| 106.0 | 006.0000 | 0099.0 | 028.2 | 274.0 | 015.5000 | 0125.2 | 060.5 | 53.30 |
| 107.0 | 006.0000 | 0099.6 | 028.2 | 273.6 | 015.5000 | 0124.9 | 060.6 | 53.27 |
| 108.0 | 006.0000 | 0099.9 | 028.3 | 273.1 | 015.5000 | 0125.2 | 060.6 | 53.25 |
| 109.0 | 006.0000 | 0100.3 | 028.3 | 272.6 | 015.5000 | 0125.1 | 060.7 | 53.22 |
| 110.0 | 006.0000 | 0100.7 | 028.4 | 272.2 | 015.5000 | 0125.0 | 060.8 | 53.18 |
| 111.0 | 006.0000 | 0101.3 | 028.5 | 271.7 | 015.5000 | 0125.0 | 060.9 | 53.15 |
| 112.0 | 006.0000 | 0102.0 | 028.6 | 271.2 | 015.5000 | 0124.8 | 061.0 | 53.11 |
| 113.0 | 006.0000 | 0101.6 | 028.5 | 270.8 | 015.5000 | 0125.0 | 061.2 | 53.03 |
| 114.0 | 006.0000 | 0101.3 | 028.5 | 270.4 | 015.5000 | 0125.3 | 061.5 | 52.97 |
| 115.0 | 006.0000 | 0100.3 | 028.3 | 270.0 | 015.5000 | 0125.7 | 061.8 | 52.88 |
| 116.0 | 006.0000 | 0099.2 | 028.2 | 269.7 | 015.5000 | 0126.0 | 062.1 | 52.77 |
| 117.0 | 006.0000 | 0098.6 | 028.1 | 269.3 | 015.5000 | 0125.9 | 062.4 | 52.67 |
| 118.0 | 006.0000 | 0098.1 | 028.0 | 269.0 | 015.5000 | 0126.2 | 062.7 | 52.58 |
| 119.0 | 006.0000 | 0097.7 | 028.0 | 268.6 | 015.5000 | 0126.5 | 063.0 | 52.50 |
| 120.0 | 006.0000 | 0097.0 | 027.9 | 268.3 | 015.5000 | 0126.8 | 063.4 | 52.40 |
| 121.0 | 006.0000 | 0095.8 | 027.7 | 268.0 | 015.5000 | 0127.2 | 063.8 | 52.29 |

| Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Azimuth (degrees) | ERP (kW) | HAAT (m) | Dist (km) | Actual (dBu) |
|----------------------|-------------|-------------|--------------|----------------------|-------------|-------------|--------------|-----------------|
| 122.0 | 006.0000 | 0095.6 | 027.7 | 267.6 | 015.5000 | 0127.4 | 064.1 | 52.21 |
| 123.0 | 006.0000 | 0095.6 | 027.7 | 267.3 | 015.5000 | 0127.8 | 064.3 | 52.13 |
| 124.0 | 006.0000 | 0095.4 | 027.7 | 267.0 | 015.5000 | 0128.0 | 064.6 | 52.04 |
| 125.0 | 006.0000 | 0095.1 | 027.6 | 266.7 | 015.5000 | 0128.0 | 065.0 | 51.94 |
| 126.0 | 006.0000 | 0094.8 | 027.6 | 266.3 | 015.5000 | 0128.3 | 065.3 | 51.84 |
| 127.0 | 006.0000 | 0094.0 | 027.5 | 266.1 | 015.5000 | 0128.5 | 065.7 | 51.72 |
| 128.0 | 006.0000 | 0093.4 | 027.4 | 265.8 | 015.5000 | 0128.6 | 066.1 | 51.61 |
| 129.0 | 006.0000 | 0093.3 | 027.4 | 265.5 | 015.5000 | 0129.0 | 066.4 | 51.52 |
| 130.0 | 006.0000 | 0093.1 | 027.4 | 265.3 | 015.5000 | 0129.2 | 066.8 | 51.42 |
| 131.0 | 006.0000 | 0093.4 | 027.4 | 265.0 | 015.5000 | 0129.4 | 067.1 | 51.33 |
| 132.0 | 006.0000 | 0092.7 | 027.3 | 264.7 | 015.5000 | 0129.6 | 067.5 | 51.21 |
| 133.0 | 006.0000 | 0092.1 | 027.2 | 264.5 | 015.5000 | 0130.0 | 067.9 | 51.10 |
| 134.0 | 006.0000 | 0092.5 | 027.3 | 264.2 | 015.5000 | 0130.2 | 068.3 | 51.01 |
| 135.0 | 006.0000 | 0092.5 | 027.3 | 264.0 | 015.5000 | 0130.2 | 068.6 | 50.89 |
| 136.0 | 006.0000 | 0092.7 | 027.3 | 263.7 | 015.5000 | 0129.9 | 069.0 | 50.76 |
| 137.0 | 006.0000 | 0092.9 | 027.3 | 263.5 | 015.5000 | 0129.8 | 069.4 | 50.64 |
| 138.0 | 006.0000 | 0093.3 | 027.4 | 263.2 | 015.5000 | 0129.8 | 069.7 | 50.53 |
| 139.0 | 006.0000 | 0093.9 | 027.5 | 262.9 | 015.5000 | 0129.9 | 070.1 | 50.42 |
| 140.0 | 006.0000 | 0094.7 | 027.6 | 262.6 | 015.5000 | 0130.0 | 070.4 | 50.32 |
| 141.0 | 006.0000 | 0095.4 | 027.7 | 262.4 | 015.5000 | 0130.3 | 070.8 | 50.23 |
| 142.0 | 006.0000 | 0095.6 | 027.7 | 262.1 | 015.5000 | 0130.7 | 071.2 | 50.12 |
| 143.0 | 006.0000 | 0095.9 | 027.7 | 261.9 | 015.5000 | 0131.0 | 071.6 | 50.01 |
| 144.0 | 006.0000 | 0096.1 | 027.8 | 261.7 | 015.5000 | 0131.0 | 072.0 | 49.88 |
| 145.0 | 006.0000 | 0096.1 | 027.8 | 261.5 | 015.5000 | 0131.1 | 072.4 | 49.75 |
| 146.0 | 006.0000 | 0096.4 | 027.8 | 261.4 | 015.5000 | 0131.0 | 072.8 | 49.62 |
| 147.0 | 006.0000 | 0097.3 | 027.9 | 261.1 | 015.5000 | 0130.9 | 073.2 | 49.49 |
| 148.0 | 006.0000 | 0097.2 | 027.9 | 261.0 | 015.5000 | 0130.9 | 073.7 | 49.35 |
| 149.0 | 006.0000 | 0097.3 | 027.9 | 260.8 | 015.5000 | 0130.7 | 074.1 | 49.21 |
| 150.0 | 006.0000 | 0097.2 | 027.9 | 260.7 | 015.5000 | 0130.6 | 074.6 | 49.06 |
| 151.0 | 006.0000 | 0097.4 | 027.9 | 260.6 | 015.5000 | 0130.4 | 075.0 | 48.92 |
| 152.0 | 006.0000 | 0098.3 | 028.1 | 260.3 | 015.5000 | 0130.0 | 075.5 | 48.77 |
| 153.0 | 006.0000 | 0098.9 | 028.1 | 260.2 | 015.5000 | 0129.8 | 075.9 | 48.62 |
| 154.0 | 006.0000 | 0099.0 | 028.2 | 260.1 | 015.5000 | 0129.6 | 076.4 | 48.48 |
| 155.0 | 006.0000 | 0099.3 | 028.2 | 259.9 | 015.5000 | 0129.4 | 076.8 | 48.33 |
| 156.0 | 006.0000 | 0100.6 | 028.4 | 259.7 | 015.5000 | 0129.1 | 077.3 | 48.18 |
| 157.0 | 006.0000 | 0100.8 | 028.4 | 259.6 | 015.5000 | 0129.0 | 077.8 | 48.03 |

E-12 KSAM-FM Antenna Pattern

| Azimuth (deg) | Relative Field |
|---------------|----------------|
| 0.0 | 1.0 |
| 10.0 | 1.0 |
| 20.0 | 0.91 |
| 30.0 | 0.72 |
| 40.0 | 0.65 |
| 50.0 | 0.65 |
| 60.0 | 0.72 |
| 70.0 | 0.91 |
| 80.0 | 1.0 |
| 90.0 | 1.0 |
| 100.0 | 1.0 |
| 110.0 | 1.0 |
| 120.0 | 1.0 |
| 130.0 | 1.0 |
| 140.0 | 1.0 |
| 150.0 | 1.0 |
| 160.0 | 1.0 |
| 170.0 | 1.0 |
| 180.0 | 1.0 |
| 190.0 | 1.0 |
| 200.0 | 1.0 |
| 210.0 | 1.0 |
| 220.0 | 1.0 |
| 230.0 | 1.0 |
| 240.0 | 1.0 |
| 250.0 | 1.0 |
| 260.0 | 1.0 |
| 270.0 | 1.0 |
| 280.0 | 1.0 |
| 290.0 | 1.0 |
| 300.0 | 1.0 |
| 310.0 | 1.0 |
| 320.0 | 1.0 |
| 330.0 | 1.0 |
| 340.0 | 1.0 |
| 350.0 | 1.0 |



E-13 KSAM-FM 269C3 HAAT Calculation

N. Lat. = 304141.0 W. Lng. = 953305.0

HAAT and Distance to Contour,

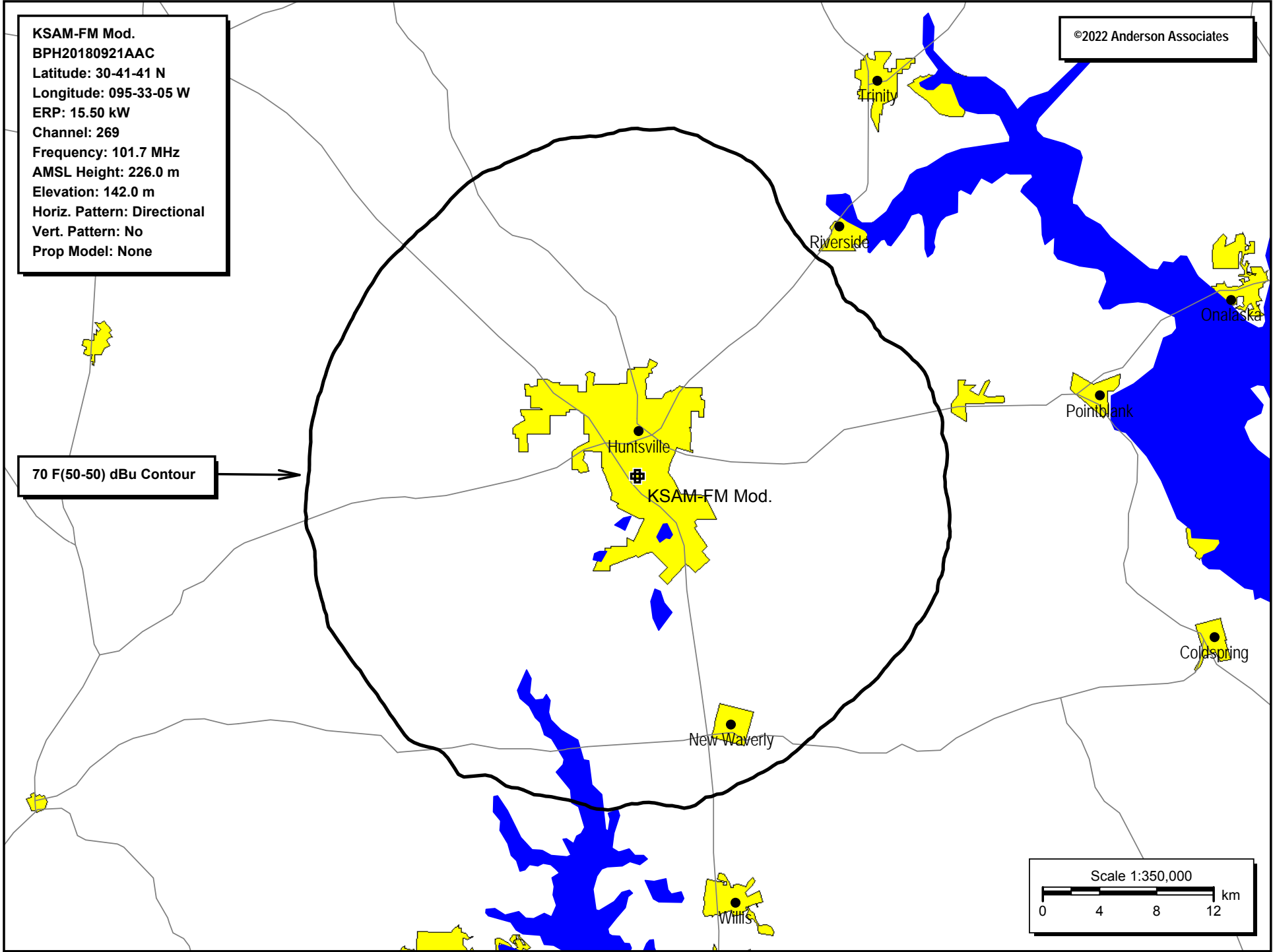
FCC, FM 2-10 Mi, 51 pts Method - FCC 30 Meter

| Azi. | AV EL | HAAT | ERP kW | 60-F(50-50) |
|------|-------|-------|---------|-------------|
| 000 | 82.9 | 143.1 | 15.5000 | 41.03 |
| 045 | 87.8 | 138.2 | 06.5487 | 33.44 |
| 090 | 118.3 | 107.7 | 15.5000 | 36.49 |
| 135 | 115.7 | 110.3 | 15.5000 | 36.87 |
| 180 | 101.6 | 124.4 | 15.5000 | 38.70 |
| 225 | 86.5 | 139.5 | 15.5000 | 40.57 |
| 270 | 100.2 | 125.8 | 15.5000 | 38.86 |
| 315 | 100.9 | 125.1 | 15.5000 | 38.79 |

Ave El= 99.24 M HAAT= 126.76 M AMSL= 226.0

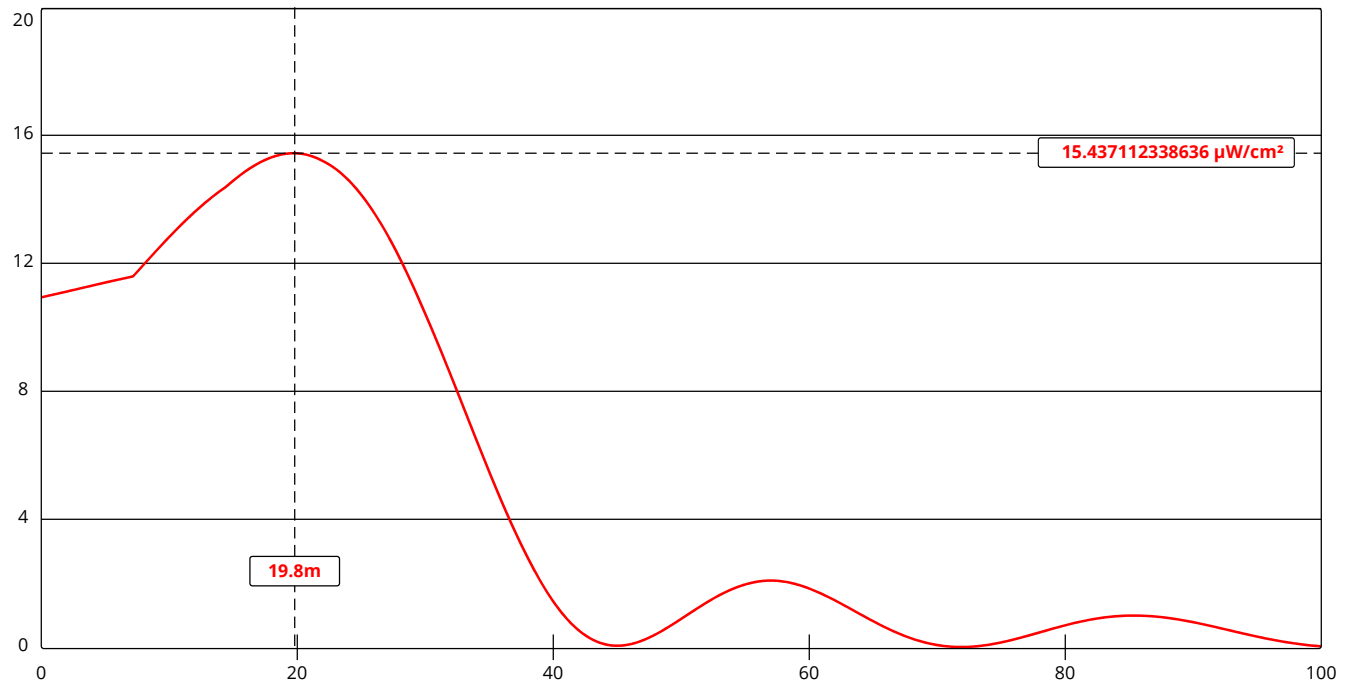
Maximum 15.5 kW/ 126.8 m HAAT 60 dBu = 39 km which complies with maximum class for a C3.

E-14 KSAM-FM 269C3 70 dBu Contour Plot



E-15 KSAM-FM RF Calculation

FM Model



| | | | |
|--------------------------------|------------------------------|-------------------------------|-------|
| Channel Selection | Channel 269 (101.7 MHz) | | |
| Antenna Type + | EPA Type 2: Opposed V Dipole | | |
| Height (m) | 84 | Distance (m) | 100 |
| ERP-H (W) | 15500 | ERP-V (W) | 15500 |
| Num of Elements | 8 | Element Spacing (λ) | 1 |
| Num of Points | 500 | | |

E-16 KSAM-FM Tower ASR

ASR Registration 1064090

Registration Detail

| | | | |
|-------------|----------|-------------|-------------|
| Reg Number | 1064090 | Status | Constructed |
| File Number | A0366509 | Constructed | 04/01/1990 |
| EMI | No | Dismantled | |
| NEPA | No | | |

Antenna Structure

Structure Type TOWER - Free standing or Guyed Structure used for Commu

Location (in NAD83 Coordinates)

| | | | |
|-----------------------|----------------------------|-------------------------------|----------------------|
| Lat/Long | 30-41-41.0 N 095-33-05.0 W | Address | 3303 INTERSTATE ROAD |
| City, State | HUNTSVILLE , TX | | |
| Zip | 77340 | County | WALKER |
| Center of AM Array | | Position of Tower in Array | |

Heights (meters)

| | |
|--|--|
| Elevation of Site Above Mean Sea Level | Overall Height Above Ground (AGL) |
| 142.0 | 93.0 |
| Overall Height Above Mean Sea Level | Overall Height Above Ground w/o Appurtenances |
| 235.0 | 92.0 |

Painting and Lighting Specifications

FAA Chapters 3, 4, 5, 13

Paint and Light in Accordance with FAA Circular Number 70/7460-1J

FAA Notification

| | | | |
|-----------|----------------|----------------|------------|
| FAA Study | 99-ASW-0945-OE | FAA Issue Date | 04/27/1999 |
|-----------|----------------|----------------|------------|

Owner & Contact Information

| | | | |
|--------------|------------|----------------------|-----------|
| FRN | 0004997243 | Owner Entity Type | |
| Assignor FRN | 0003741477 | Assignor ID | L00817203 |

Owner

HEH COMMUNICATIONS LLC
Attention To: STEVE EVERETT
P.O. Box 330
HUNTSVILLE , TX 77342

P: (936)295-2651
F:
E: steveeverett@ksam1017.com

Contact

P:
F:
E:

Last Action Status

| | | | |
|--------|-------------|----------|------------|
| Status | Constructed | Received | 02/24/2004 |
|--------|-------------|----------|------------|