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| Federal Communications Commission Washington, D.C. 20554 | Approved by OMB 3060-0404 (April 2001) | FOR FCC USE ONLY |
| FCC 350 | | |
| APPLICATION FOR AN FM TRANSLATOR OR FM BOOSTER STATION LICENSE | | FOR COMMISSION USE ONLY FILE NO. - |
| Read INSTRUCTIONS Before Filling Out Form | | |

SECTION I - General Information

| | | | | |
|--|--|--|--|-------------------------------|
| 1. | Legal Name of the Applicant SAGA COMMUNICATIONS OF SOUTH DAKOTA, LLC | | | |
| | Mailing Address 73 KERCHEVAL AVENUE | | | |
| | <table style="width: 100%;"> <tr> <td style="width: 50%;">City GROSSE POINTE FARMS</td> <td style="width: 30%;">State or Country (if foreign address) MI</td> <td style="width: 20%;">ZIP Code 48236 -</td> </tr> </table> | City GROSSE POINTE FARMS | State or Country (if foreign address) MI | ZIP Code 48236 - |
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| | <table style="width: 100%;"> <tr> <td style="width: 50%;">Telephone Number (include area code) 3138867070</td> <td style="width: 50%;">E-Mail Address (if available) FCCLICENSES@SAGACOM.COM</td> </tr> </table> | Telephone Number (include area code) 3138867070 | E-Mail Address (if available) FCCLICENSES@SAGACOM.COM | |
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| | <table style="width: 100%;"> <tr> <td style="width: 30%;">FCC Registration Number:</td> <td style="width: 30%;">Call Sign K260BO</td> <td style="width: 40%;">Facility Identifier 154848</td> </tr> </table> | FCC Registration Number: | Call Sign K260BO | Facility Identifier 154848 |
| FCC Registration Number: | Call Sign K260BO | Facility Identifier 154848 | | |
| 2. | Contact Representative (if other than Applicant) GARY S. SMITHWICK, ESQ. | | | |
| | Mailing Address 5028 WISCONSIN AVENUE, NW SUITE 301 | | | |
| | <table style="width: 100%;"> <tr> <td style="width: 50%;">City WASHINGTON</td> <td style="width: 30%;">State or Country (if foreign address) DC</td> <td style="width: 20%;">ZIP Code 20016 -</td> </tr> </table> | City WASHINGTON | State or Country (if foreign address) DC | ZIP Code 20016 - |
| City WASHINGTON | State or Country (if foreign address) DC | ZIP Code 20016 - | | |
| | <table style="width: 100%;"> <tr> <td style="width: 50%;">Telephone Number (include area code) 2023634560</td> <td style="width: 50%;">E-Mail Address (if available) GSMITHWICK@FCCWORLD.COM</td> </tr> </table> | Telephone Number (include area code) 2023634560 | E-Mail Address (if available) GSMITHWICK@FCCWORLD.COM | |
| Telephone Number (include area code) 2023634560 | E-Mail Address (if available) GSMITHWICK@FCCWORLD.COM | | | |
| 3. | If this application has been submitted without a fee, indicate reason for fee exemption (see 47 C.F.R. Section 1.1114): <input type="radio"/> Governmental Entity <input type="radio"/> Noncommercial Educational Licensee/Permittee <input type="radio"/> Other <input checked="" type="radio"/> N/A (Fee Required) | | | |
| 4. | Facility Information: a. <input type="radio"/> FM Booster <input checked="" type="radio"/> FM Translator b. Community or communities being served: City: YANKTON State: SD | | | |
| 5. | Purpose of Application <input type="radio"/> Cover construction permit (list original construction permit file number -- starts with the prefix BPFT, or BPFTB): <input checked="" type="radio"/> Modify an authorized license (list license file number -- starts with the prefix BLFT, BMLFT, BLFTB, or BMLFTB): <input type="radio"/> Amend a pending application If an amendment, submit as an Exhibit a listing by Section and Question Number of the portions of the pending application that are being revised. | | | |

NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided. See General Instruction I.

Section II - Legal

| | | |
|----|--|--|
| 1. | Certification. Applicant certifies that it has answered each question in this application based on its review of the application instructions and worksheets. Applicant further certifies that where it has made an affirmative certification below, this certification constitutes its representation that the application satisfies each of the pertinent standards and criteria set forth in the application instructions and worksheets. | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| 2. | Conditions. Licensee/Permittee certifies that all terms, conditions, and obligations set forth in the underlying construction permit have been fully met. | <input type="radio"/> Yes <input checked="" type="radio"/> No See Explanation in [Exhibit 2] |
| 3. | Changed Circumstances. Licensee/Permittee certifies that, apart from changes already reported, no cause or circumstance has arisen since the grant of the underlying construction permit which would cause any statement or representation contained in the construction permit application to be incorrect now. | <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 3] |
| 4. | Programming. The applicant is the licensee of the primary station or the applicant certifies that written authority has been obtained from the licensee of the primary station whose programming is to be retransmitted. | <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 4] |
| 5. | Station ready for operation. The applicant certifies that the station is now in satisfactory operating condition and ready for regular operation. | <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 5] |
| 6. | Station identification. The applicant certifies that it will comply with applicable station identification rules. See 47 C.F.R. Sections 73.1201 and 74.1283. | <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 6] |
| 7. | Character Issues. Applicant certifies that neither applicant nor any party to the application has or has had any interest in or connection with: a. any broadcast application in any proceeding where character issues were left unresolved or were resolved adversely against the applicant or party to the application; or b. any pending broadcast application in which character issues have been raised. | <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 7] |
| 8. | Adverse Findings. Applicant certifies that, with respect to the applicant and any party to the application, no adverse finding has been made, nor has an adverse final action been taken by any court or administrative body in a civil or criminal proceeding brought under the provisions of any law related to the following: any felony; mass media-related antitrust or unfair competition; fraudulent statements to another governmental unit; or discrimination. | <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in |

9. **Anti-Drug Abuse Act Certification.** Applicant certifies that neither applicant nor any party to the application is subject to denial of federal benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. Section 862. ☒ Yes ☐ No

I certify that the statements in this application are true, complete, and correct to the best of my knowledge and belief, and are made in good faith. I acknowledge that all certifications and attached Exhibits are considered material representations. I hereby waive any claim to the use of any particular frequency as against the regulatory power of the United States because of the previous use of the same, whether by license or otherwise, and request an authorization in accordance with this application. (See Section 304 of the Communications Act of 1934, as amended.)

| | |
|---|--|
| Typed or Printed Name of Person Signing BILL HOLST | Typed or Printed Title of Person Signing VICE PRESIDENT |
| Signature | Date 8/31/2018 |

SECTION III - PREPARER'S CERTIFICATION

I certify that I have prepared Section III (Engineering data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

| | | |
|--|---|--------------------------|
| Name JUSTIN ASHER | Relationship to Applicant (e.g., Consulting Engineer) TECHNICAL CONSULTANT | |
| Signature | Date 8/31/2018 | |
| Mailing Address ASHER BROADCAST CONSULTING, LLC 579 BABCOCK ROAD | | |
| City BRONSON | State or Country (if foreign address) MI | Zip Code 49028 - 9347 |
| Telephone Number (include area code) 2028752986 | E-Mail Address (if available) JUSTINASHER@CONSULTANT.COM | |

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

Section III - Engineering

TECHNICAL SPECIFICATIONS

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

TECH BOX

| | | | |
|---|---|---|------------------------------------|
| 1. | Channel: 260 | | |
| 2. | Effective Radiated Power: | 0.25 kW(H) | 0.25 kW(V) |
| 3. | Transmitter Power Output: | 0.934 kW | |
| NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided. | | | |
| CERTIFICATION | | | |
| All applicants must complete this section. | | | |
| 4. | Constructed Facility. The facility was constructed as authorized in the the underlying construction permit. | <input type="radio"/> Yes <input checked="" type="radio"/> No | See Explanation in [Exhibit 9] |
| 5. | Special Operating Conditions. The facility was constructed in compliance with all special operating conditions, terms, and obligations described in the construction permit. | <input checked="" type="radio"/> Yes <input type="radio"/> No | See Explanation in [Exhibit 10] |
| | An Exhibit may be required. Review the underlying construction permit. | | [Exhibit 11] |
| 6. | Transmitter Power Output. The operating transmitter power output produces the authorized effective radiated power | <input checked="" type="radio"/> Yes <input type="radio"/> No | See Explanation in [Exhibit 12] |
| 7. | Directional Antenna. The facility does not use a directional antenna or the antenna is mounted in accordance with the specific instructions provided by the antenna manufacturer and is oriented in the proper direction. | <input checked="" type="radio"/> Yes <input type="radio"/> No | See Explanation in [Exhibit 13] |

PREPARER'S CERTIFICATION ON SECTION 3 MUST BE COMPLETED AND SIGNED.

Exhibits

Exhibit 2

Description: EXPLANATION OF RESPONSE

SEE SECTION III, Q. 5, EXHIBIT 10 FOR DETAILED EXPLANATION OF CHANGE OF PRIMARY STATION.

Attachment 2

Exhibit 9

Description: EXPLANATION OF CONSTRUCTION VARIANCE

NEW PRIMARY STATION*
A NEW PRIMARY STATION FOR FILL-IN TRANSLATOR K260BO - YANKTON, SD (FACILITY ID: 154848) HAS BEEN NOTIFIED HEREIN.

THE PRIMARY STATION AS AUTHORIZED UNDER K260BO LICENSE BLFT-20111019AHW WAS PREVIOUSLY LISTED AS WNAX(AM) - YANKTON, SD, 570 KHZ (FACILITY ID: 57846). THE NEW PRIMARY STATION AS NOTIFIED HEREIN IS WNAX-FM-HD2 - YANKTON, SD, CH281C1 (FACILITY ID: 57839). THE APPLICANT CERTIFIES THE K260BO 60 DBU CONTOUR OF THE FILL-IN TRANSLATOR LIES WHOLLY INSIDE OF THE WNAX-FM-HD2 PRIMARY 60 DBU CONTOUR. A MAP OF THE PROPOSED TRANSLATOR SERVICE AREA IN RELATION TO THE PRIMARY STATION SERVICE CONTOUR HAS BEEN INCLUDED HEREIN.

| Attachment 9 | |
|------------------------------------|--|
| Description | |
| Primary to Translator Coverage Map | |

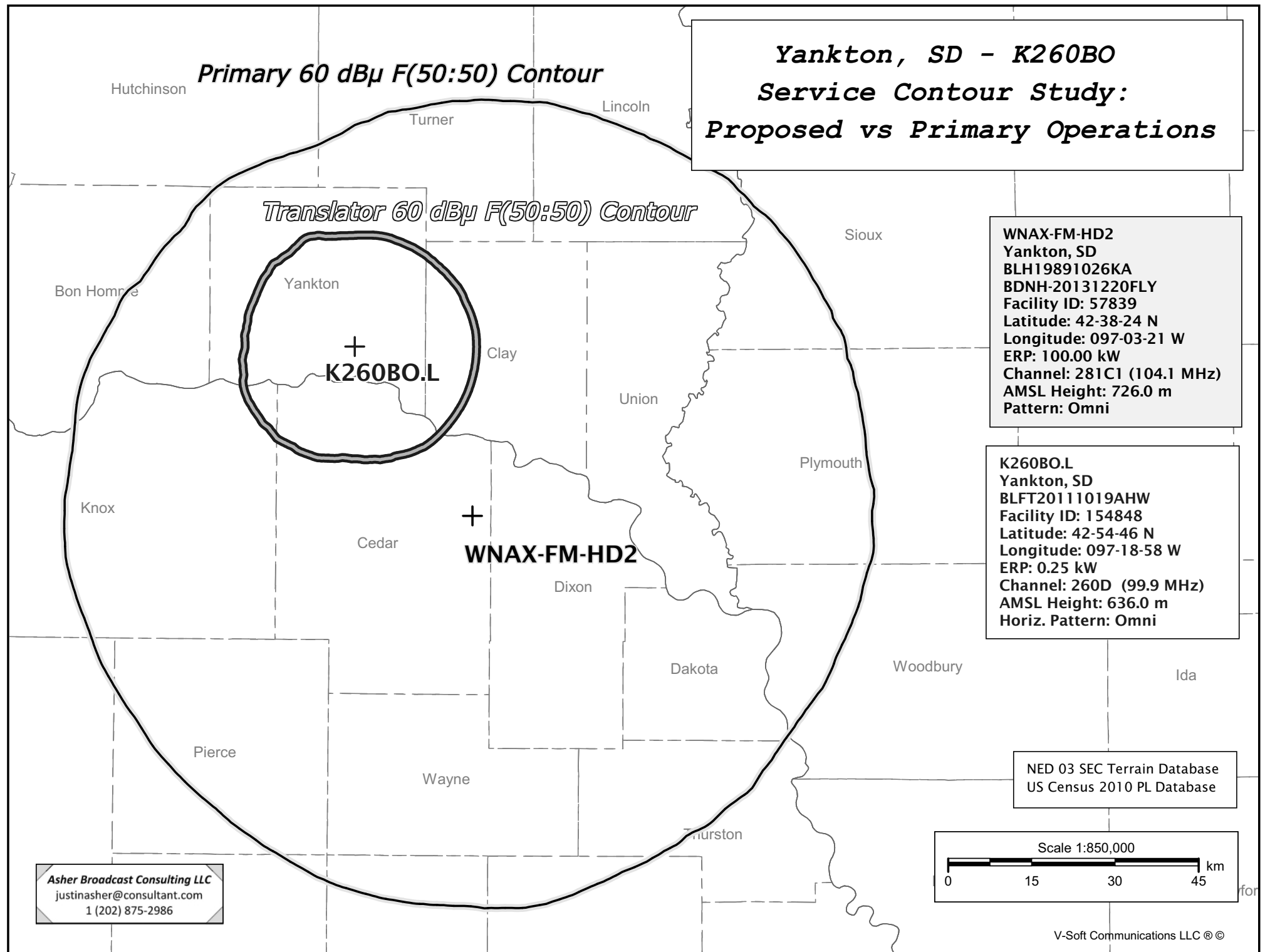
Exhibit 12
Description: EXPLANATION OF LICENSE MODIFICATION FILING

NEW TRANSMITTER POWER OUTPUT (TPO)
THIS FORM 350 FM TRANSLATOR LICENSE MODIFICATION IS ALSO BEING FILED TO MODIFY THE TRANSMITTER POWER OUTPUT (TPO) . THE CHANGE IN TPO IS A RESULT OF INSERTION LOSSES RESULTING FROM ADDITIONAL COMBINER AND HARDWARE COMPONENTS ASSOCIATED WITH THE ADDITION OF TRIPLEXED FACILITIES K245DA.C - YANKTON, SD, (FACILITY ID: 202251), CONSTRUCTION PERMIT FILE NUMBER BNPFT-20180418AEM AND WNAX-FM.C AUXILIARY - YANKTON, SD (FACILITY ID: 57839), AUXILIARY CONSTRUCTION PERMIT BXPH-20180709AAS. A FORM 350 FM TRANSLATOR LICENSE AND/OR FORM 302-FM AUXILIARY LICENSE TO COVER APPLICATION HAS BEEN CONCURRENTLY FILED FOR EACH OF THESE TRIPLEXED FACILITIES.

A COPY OF THE SPURIOUS EMISSIONS STUDY AS BELIEVED REQUIRED BY EACH ABOVE MENTIONED AND CO-LOCATED CONSTRUCTION PERMIT HAS BEEN INCLUDED HEREIN.

| Attachment 12 | |
|--|--|
| Description | |
| TPO Calculation for K260BO | |
| Spurious Emissions Study for K245DA, K260BO & WNAX-FM(aux) | |

Yankton, SD - K260BO
Service Contour Study:
Proposed vs Primary Operations



WNAX-FM-HD2
Yankton, SD
BLH19891026KA
BDNH-20131220FLY
Facility ID: 57839
Latitude: 42-38-24 N
Longitude: 097-03-21 W
ERP: 100.00 kW
Channel: 281C1 (104.1 MHz)
AMSL Height: 726.0 m
Pattern: Omni

K260BO.L
Yankton, SD
BLFT20111019AHW
Facility ID: 154848
Latitude: 42-54-46 N
Longitude: 097-18-58 W
ERP: 0.25 kW
Channel: 260D (99.9 MHz)
AMSL Height: 636.0 m
Horiz. Pattern: Omni

NED 03 SEC Terrain Database
US Census 2010 PL Database

Scale 1:850,000

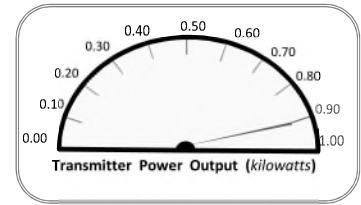


Asher Broadcast Consulting LLC
justinasher@consultant.com
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V-Soft Communications LLC ©

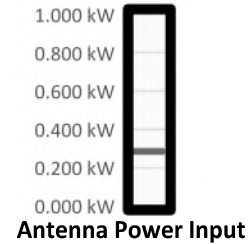
Transmitter Power Output Worksheet

Call letters: K260BO.L (License Modification)
City of License: Yankton, SD
Channel: CH260D (99.9 MHz)
File No: BLFT-20111019AHW
Facility ID: 154848
Applicant: Saga Communications of South Dakota, LLC



Effective Radiated Power (ERP): 0.250 kW

Antenna Make: Nicom USA, Inc. (NIC)
Antenna Model: BKG77/2 (NDA)
No of Elements: Two (2)
Antenna COR AGL: 279 meters AGL
Antenna COR AMSL: 636 meters AMSL
Max Input Power: 1.00 kW



Power Gain: 0.9

Antenna Gain: -0.458 dBd

Calculated Antenna Input Power: 0.278 kW

Transmitter Rated Power: 1.000 kW

Transmitter Make/Model: GatesAir FAX-1K

Power Gain to Antenna gain (dBd) Conversion:
 $= \text{Log}[\text{power gain}] * 10$

Inventory of System / Insertion Losses

| Explanation | Component Make/Model | Length | Loss |
|--------------------------|--|--------|------------|
| Typical End Connector(s) | Generic (2@0.02 dB each) | n/a | -0.040 dBd |
| Interbay Antenna Leads | RG-213(foam) (10 ft x 2 leads) (2.000 dB/100 ft) | 20 ft | -0.400 dBd |
| Typical End Connector(s) | Generic (2@0.02 dB each) | n/a | -0.040 dBd |
| Interbay Power Divide | Nicom Series BAC2N | n/a | -0.300 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| 7/8" Foam Feedline | Andrew AVA5-50FX (0.354 dB/100 ft) | 912 ft | -3.228 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| AM Isocoil | Kintonics ISO-100-FM | n/a | -0.400 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| 7/8" Foam Feedline | Andrew AVA5-50FX (0.354 dB/100 ft) | 20 ft | -0.071 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| Jumper to Combiner | SCF12-50JFN (Superflex) (0.978 dB/100 ft) | 6 ft | -0.059 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| Combiner | Nicom TFST1000 Starpoint Triplexer | n/a | -0.530 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| Jumper to Transmitter | SCF12-50JFN (Superflex) (0.978 dB/100 ft) | 6 ft | -0.059 dBd |
| Typical End Connector | Generic (1@0.02 dB each) | n/a | -0.020 dBd |
| | | | |

TOTAL SYSTEM GAIN/LOSS: -5.72 dBd

CALCULATED TRANSMITTER POWER OUTPUT: 0.934 kW

$(1 / [10^{(5.72/10)}])$

Technical Engineering Report

SPURIOUS EMISSIONS MEASUREMENTS STUDY

Pursuant to 47 C.F.R. §73.317(b) associated with the licensing of:

*K245DA.C - Yankton, SD
BNPFT-20180418AEM
(FAC ID: 202251)*

*K260BO.L - Yankton, SD
BLFT-20111019AHW
(FAC ID: 154848)*

*&
WNAX-FM(auxiliary) - Yankton, SD
BXPB-20180709AAS
(FAC ID: 57839)*

August 2018

EXPLANATION OF STUDY: The applicant has prepared the required Spurious Emissions Measurement Study for the triplexed operation of FM Translator(s) K245DA.C - Yankton, SD, K260BO.L - Yankton, SD; and the auxiliary operation of FM Station WNAX-FM.C - Yankton, SD. This study has been conducted pursuant to 47 C.F.R. §73.317(b) and is associated with, and a condition of licensing for, K245DA.C Construction Permit File Number BNPFT-20180418AEM and WNAX-FM.C Auxiliary Construction Permit File Number BXPB-20180709AAS.

SUMMARY OF STATIONS: K245DA.C operates on 96.9 MHz with a maximum effective radiated power (ERP) of 0.250 kW circular polarization (H&V). K260BO.L operates on 99.9 MHz with a maximum effective radiated power (ERP) of 0.250 kW circular polarization (H&V). WNAX-FM.C Auxiliary operates on 104.1 MHz with a maximum effective radiated power of 0.255 kW circular polarization (H&V). The common antenna is mounted on the tower bearing Antenna Structure Registration Number 1035330. The common FM antenna is a two (2) bay, Nicom BKG77 "Opposed V Dipole" non-directional antenna mounted with a Center of Radiation 279 meters above ground level (AGL). The antenna is matched with a Nicom Model TFST 1000 Starpoint Combiner. The combiner was set using manufacturer specifications as well as information from the FCC database concerning the above mentioned operating parameters.

MEASUREMENT RESULTS: RF Spurious Emissions Measurements were conducted on August 30, 2018 during the equipment test operations associated with the aforementioned Construction Permits. Measurements were conducted by Mr. Troy Manning, a subcontracted engineer for the common licensee, Saga Communications of South Dakota, LLC. Measurements were conducted utilizing an Agilent Field Fox 9912A Spectrum Analyzer, Serial Number #MY49322218 with the FM transmitters in full operation employing the combiner for the multiple FM operations. A broad spectral sweep found no obvious products above the analyzer noise floor. Using a computer generated mixing product chart, high resolution, low noise floor measurements were also made out to the 1st through 3rd orders. With the exception of noted carrier frequencies, nothing was observed over the noise floor of the analyzer as reported at the end of this report.

The following is a copy of the 1st through 3rd order potential mixing product measurement results for the spurious relationships associated with the 96.9 MHz, 99.9 MHz and 104.1 MHz common operations. As a result of these studies, it has been concluded the combined operation(s) meets or exceeds the requirements of 47 C.F.R. §73.317(b) and the special conditions of licensing associated for K245DA.C Construction Permit File Number BNPFT-20180418AEM and WNAX-FM.C Auxiliary Construction Permit File Number BXPB-20180709AAS.

RF Signal Spurious Emissions Study

2

For a K245DA.C operational power of 0.250 kW, the minimum attenuation level is -67 dBc.

For a K260BO.L operational power of 0.250 kW, the minimum attenuation level is -67 dBc.

For a WNAX-FM.C auxiliary power of 0.255 kW, the minimum attenuation level is -67 dBc.

| Frequency (in MHz) | Measurement (in dBc) | Frequency (in MHz) | Measurement (in dBc) | Frequency (in MHz) | Measurement (in dBc) |
|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|-------------------------|
| 3.00 MHz | -67.99 dBc | 196.80 MHz | -69.02 dBc | 399.60 MHz | -91.52 dBc |
| 4.20 MHz | -68.53 dBc | 199.80 MHz | -70.00 dBc | 402.00 MHz | -92.01 dBc |
| 6.00 MHz | -88.55 dBc | 201.00 MHz | -71.68 dBc | 408.00 MHz | -91.67 dBc |
| 7.20 MHz | -70.10 dBc | 204.00 MHz | -70.18 dBc | 416.40 MHz | -90.49 dBc |
| 8.40 MHz | -89.83 dBc | 208.20 MHz | -81.92 dBc | | |
| 14.40 MHz | -92.88 dBc | 290.70 MHz | -92.82 dBc | | |
| 89.70 MHz | -81.99 dBc | 293.70 MHz | -87.78 dBc | | |
| 93.90 MHz | -82.82 dBc | 296.70 MHz | -90.86 dBc | | |
| 95.70 MHz | -80.77 dBc | 297.90 MHz | -91.63 dBc | | |
| 96.90 MHz | K245DA.C Carrier* | 299.70 MHz | -84.90 dBc | | |
| 99.90 MHz | K260BO.L Carrier* | 303.90 MHz | -91.54 dBc | | |
| 102.90 MHz | -77.90 dBc | 305.10 MHz | -90.85 dBc | | |
| 104.10 MHz | WNAX-FM.C Carrier* | 308.10 MHz | -92.18 dBc | | |
| 108.30 MHz | -85.34 dBc | 312.30 MHz | -92.49 dBc | | |
| 111.30 MHz | -87.34 dBc | 387.60 MHz | -92.40 dBc | | |
| 193.80 MHz | -76.81 dBc | 393.60 MHz | -90.97 dBc | | |

***No intermodulation mixing was noted on any Carrier frequency**

Title 47: Telecommunication: PART 73—RADIO BROADCAST SERVICES

Subpart B—FM Broadcast Stations § 73.317 FM transmission system requirements.

(a) FM broadcast stations employing transmitters authorized after January 1, 1960, must maintain the bandwidth occupied by their emissions in accordance with the specification detailed below. FM broadcast stations employing transmitters installed or type accepted before January 1, 1960, must achieve the highest degree of compliance with these specifications practicable with their existing equipment. In either case, should harmful interference to other authorized stations occur, the licensee shall correct the problem promptly or cease operation.

(b) Any emission appearing on a frequency removed from the carrier by between 120 kHz and 240 kHz inclusive must be attenuated at least 25 dB below the level of the unmodulated carrier. Compliance with this requirement will be deemed to show the occupied bandwidth to be 240 kHz or less.

(c) Any emission appearing on a frequency removed from the carrier by more than 240 kHz and up to and including 600 kHz must be attenuated at least 35 dB below the level of the unmodulated carrier.

(d) Any emission appearing on a frequency removed from the carrier by more than 600 kHz must be attenuated at least $43 + 10 \log_{10}(\text{Power, in watts})$ dB below the level of the unmodulated carrier, or 80 dB, whichever is the lesser attenuation.

(e) Preemphasis shall not be greater than the impedance-frequency characteristics of a series inductance resistance network having a time constant of 75 microseconds. (See upper curve of Figure 2 of §73.333.) [51 FR 17028, May 8, 1986]

Title 47: Telecommunication: PART 74—EXPERIMENTAL RADIO, AUXILIARY, SPECIAL BROADCAST AND OTHER SERVICES

Subpart L—FM Broadcast Translator Stations and FM Broadcast Booster Stations: § 74.1236 Emission and bandwidth.

(a) The license of a station authorized under this subpart allows the transmission of either F3 or other types of frequency modulation (see §2.201 of this chapter) upon a showing of need, as long as the emission complies with the following:

(1) For transmitter output powers no greater than 10 watts, paragraphs (b), (c), and (d) of this section apply.

(2) For transmitter output powers greater than 10 watts, §73.317 (a), (b), (c), and (d) apply.

(b) Standard width FM channels will be assigned and the transmitting apparatus shall be operated so as to limit spurious emissions to the lowest practicable value. Any emissions including intermodulation products and radiofrequency harmonics which are not essential for the transmission of the desired aural information shall be considered to be spurious emissions.

(c) The power of emissions appearing outside the assigned channel shall be attenuated below the total power of the emission as follows:

(d) Greater attenuation than that specified in paragraph (c) of this section may be required if interference results outside the assigned channel.

[35 FR 15388, Oct. 2, 1970, as amended at 52 FR 31406, Aug. 20, 1987; 55 FR 50698, Dec. 10, 1990]

§ 74.1236 (c) Attenuations:

| Distance of emission from center Frequency | Minimum attenuation below unmodulated carrier |
|---|--|
| 120 to 240 kHz | 25 dB |
| Over 240 and up to 600 kHz | 35 dB |
| Over 600 kHz | 60 dB |

CERTIFICATION OF TECHNICAL CONSULTANT: I declare, under penalty of perjury, that the contents of this report are true and accurate to the best of my knowledge and belief. I further certify I have over nineteen years of experience as a broadcast technical consultant before the Federal Communications Commission ("the FCC"); and am familiar with the Code of Federal Regulations Title 47 ("the Rules") as pertaining to this report and its contents herein. The underlying data utilized in this report was taken directly from FCC databases or indirectly through third party software vendors securing data directly from FCC databases. The information contained herein is believed accurate to the date reported below.



Justin W. Asher, Technical Consultant
August 31, 2018