

Minor Change Application

K287BK, Verdi, NV – Relocating as Fill-in Translator for KCMY (AM)

This technical statement and attached exhibits have been prepared on behalf of The Evans Broadcasting Company, Inc, (“Evans”), permittee of station K287BK, Verdi, NV Facility identifier 156706. Evans proposes to modify the Construction Permit for K287BK to use the translator as a fill-in translator for co-owned KCMY (AM), 1300kHz, Carson City, NV. Facility identifier 40801 in compliance with 47 CFR 74.1201(g). The translator community of license will change to Reno, NV. The proposed operation is compliant with the FCC’s “AM Revitalization” Order released October 23, 2015 (AMR Order). As a class D station¹, KCMY is eligible to apply in the first modification window which is open through July 28, 2016. In accordance with the modifications permitted the AMR Order, translator station K287BK will change frequency from channel 287D (105.3MHz) to 236D (95.1MHz) and will be relocated 11 miles from the currently permitted site to the proposed tower site which is within the maximum allowable 250 miles.

FACILITIES REQUESTED

The 60dBu contour of the requested facility will operate within the 2mV/m contour of KCMY (AM) and will be contained within 25 miles of the KCMY transmitter. A map showing the coverage of this translator in relationship to KCMY is shown in Exhibit A. The antenna being used is a dual Kathrein Scala CL-FM, single level log-periodic antenna. The Azimuth Pattern is attached as Exhibit B.

¹ AM-302 application for class D operation filed 7/20/2016. Receipt for filing attached as Exhibit F

PROPOSED TECHNICAL PARAMETERS

Booster Location:	Reno, NV
ASR	NONE (not required)
Geographic Coordinates (NAD27):	39°26'56" N, 119° 50' 04" W
Channel:	236 (95.1 MHz)
Effective Radiated Power:	99 W (H+V)
Antenna Type, Pattern:	Dual Scala CL-FM, 45deg slant
Antenna Orientation:	95°, 325° True
Site Height AMSL	1495m
Tower OAGL	16m
Antenna Height :	
Above ground:	15.0m
Above mean sea level:	1510.0m

INTERFERENCE STUDY

ComStudy 2.2 search of channel 236 (95.1 MHz Class D) at 39-26-56.0 N, 119-50-04.0 W.

CALL	CITY	ST CHN CL	DIST	SEP	BRNG	CLEARANCE
KNEV	RENO	NV 238 C	23.88	0.00	151.8	-30.21 dB EXHIBIT C
KUUB	SUN VALLEY	NV 233 C2	15.33	0.00	12.1	-28.46 dB EXHIBIT C
KOZZ-FM	RENO	NV 289 C	15.60	29.00	195.2	-13.4 IF 99w LIMIT
NEW	RENO	NV 235 LP100	15.34	13.00	12.3	2.07 dB EXHIBIT D
KNVC-LP	CARSON CITY	NV 236 LP100	26.71	24.00	167.7	4.91 dB EXHIBIT D
K236AP	FALLON	NV 236 D	93.31	0.00	86.9	17.79 dB
K290AI	NATOMAS	CA 236 D	172.86	0.00	235.9	31.89 dB
K235BJ	HOMWOOD	CA 235 D	49.14	0.00	210.1	33.90 dB
KMXI	CHICO	CA 236 B	170.91	0.00	289.5	36.89 dB
KKDO	FAIR OAKS	CA 234 B1	155.50	0.00	236.7	36.35 dB
KHOP	OAKDALE	CA 236 B	193.23	0.00	198.1	37.42 dB

The proposed translator is short-spaced to KOZZ-FM on the IF frequency 289C, 53 channels removed from the proposed translator. Because the proposed translator will be operating at under 99 watts, this operation is permitted.

Exhibit A demonstrates compliance with Rule 74.1201(g) governing the use of a translator as a fill-in for an AM station. The 60dBu contour of the proposed translator will be completely contained within the 2mV/m contour of KCMY (AM) and is within 25 miles of the KCMY transmitter.

Due to the special nature of the AMR Order, Rule 74.1233(a)(1) does not apply.

Exhibit D demonstrates compliance with Rule 74.1204(a). There are no impermissible contour overlaps to any other facilities.

As demonstrated in Exhibit C, per Rule 74.1204(d), there will be no location at ground level where the signal of the proposed translator will be in excess of 40dBu above the KNEV-FM or KUUB (FM) second adjacent signal.

ENVIRONMENTAL CONSIDERATIONS

The Booster will be attached on a 6 meter pole on an existing 10 meter building. As shown in Exhibit E, this structure passes the glide slope calculation and is thus exempt from the requirement of an FCC Antenna Structure Registration.

Because the specified ERP is less than 100 watts, RF Exposure evaluation is categorically excluded under 1.1307(b).

The applicant agrees to reduce power or cease operations when it becomes necessary if workers are near the antenna in order to ensure that they will not be exposed to levels of radio frequency electromagnetic radiation that exceed FCC guidelines.

CERTIFICATION

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direct supervision, and that they are true and correct to the best of his knowledge and belief.



Bertram S. Goldman
Goldman Engineering Management

Reno 236D, 74.1201(g) Compliance

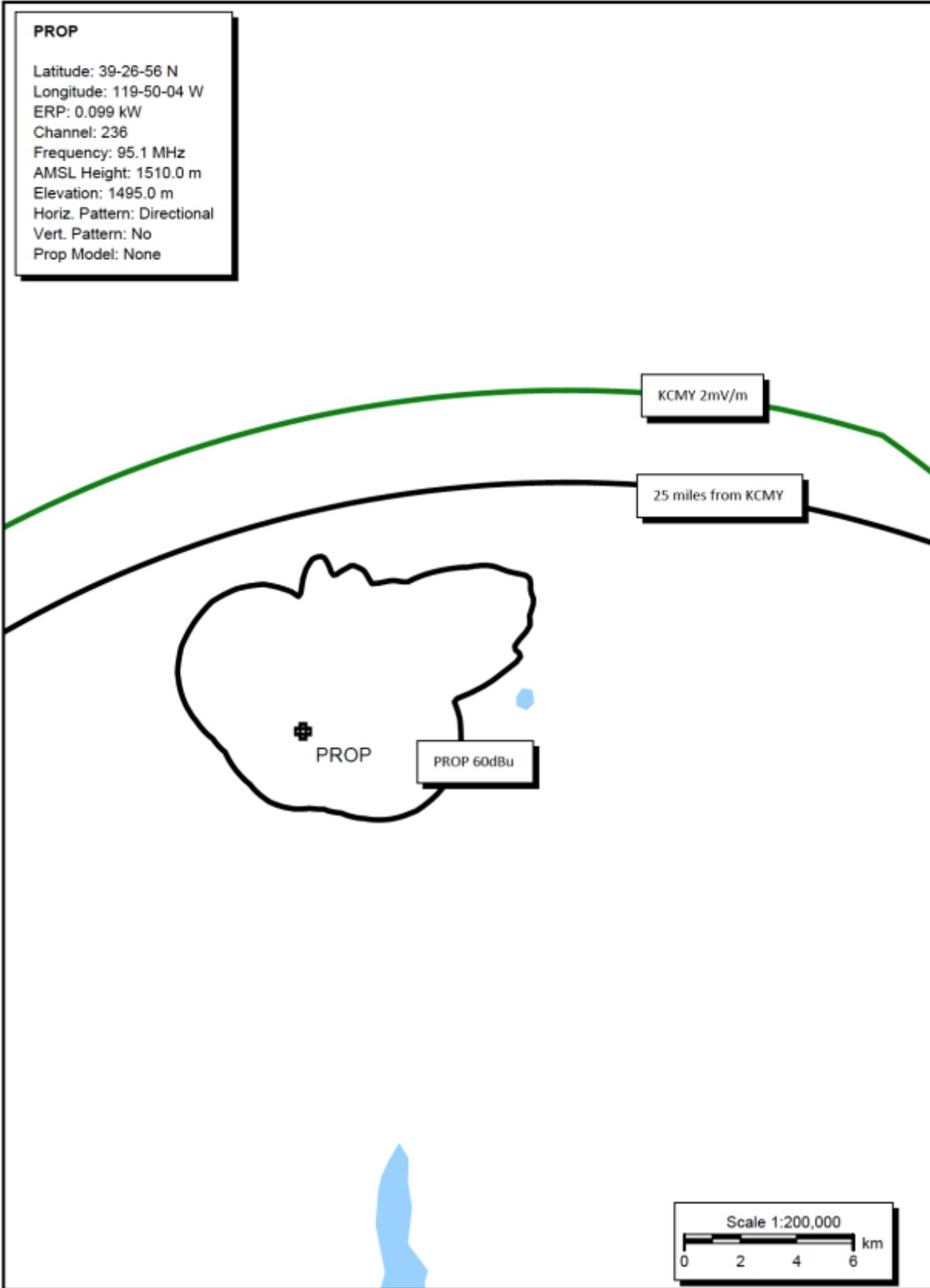
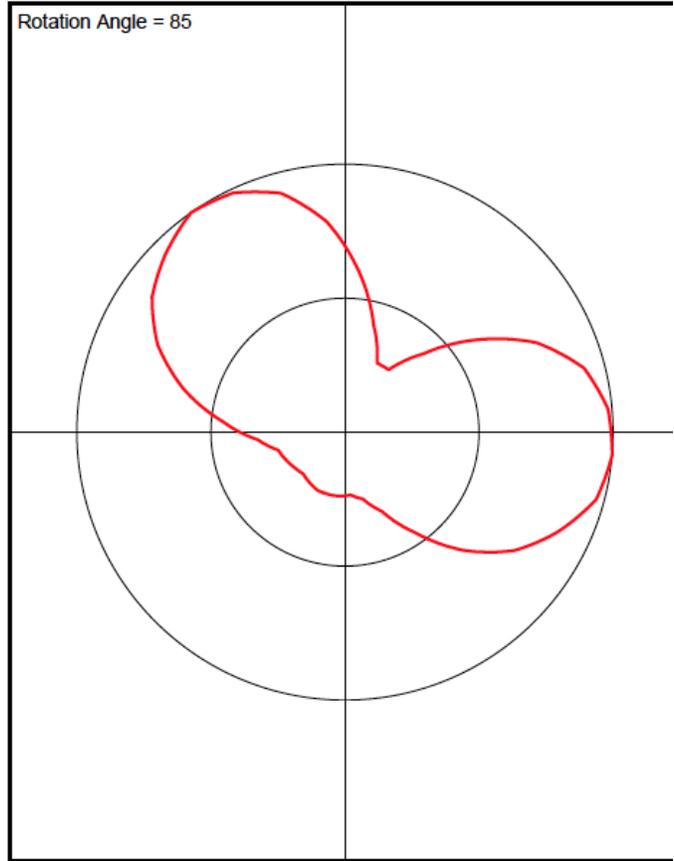


Exhibit B- Proposed Antenna Pattern

Reno Dual CL-FM PAT
Pre-Rotation Antenna Pattern....

Azimuth (deg)	Relative Field
0.0	0.985
5.0	0.9925
10.0	1.0
15.0	0.985
20.0	0.97
25.0	0.924
30.0	0.878
35.0	0.824
40.0	0.77
45.0	0.6965
50.0	0.623
55.0	0.5405
60.0	0.458
65.0	0.392
70.0	0.326
75.0	0.292
80.0	0.258
85.0	0.2465
90.0	0.235
95.0	0.2375
100.0	0.24
105.0	0.24
110.0	0.24
115.0	0.24
120.0	0.24
125.0	0.235
130.0	0.23
135.0	0.225
140.0	0.22
145.0	0.225
150.0	0.23
155.0	0.2365
160.0	0.243
165.0	0.2505
170.0	0.258
175.0	0.292
180.0	0.326
185.0	0.392
190.0	0.458
195.0	0.5405
200.0	0.623
205.0	0.6965
210.0	0.77
215.0	0.824
220.0	0.878
225.0	0.911
230.0	0.944
235.0	0.972
240.0	1.0
245.0	0.9925
250.0	0.985
255.0	0.954
260.0	0.923
265.0	0.856
270.0	0.789
275.0	0.695
280.0	0.601
285.0	0.507
290.0	0.413
295.0	0.3485
300.0	0.284
305.0	0.284
310.0	0.284
315.0	0.3485



320.0	0.413
325.0	0.507
330.0	0.601
335.0	0.695
340.0	0.789
345.0	0.856
350.0	0.923
355.0	0.954

Exhibit C- 74.1204(d) Compliance to KNEV

PROP Reno, NV
 74.1204(d) Showing
 Translator or LPFM Maximum Licensed ERP = 0.099
 Translator or LPFM Antenna Height AG = 15 Meters
 PROP Antenna Model = SHPX1H

Protected Station's Contour = 89.81123 dBu
 Translator's or LPFM's full Interference contour 129.81123

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.099 kW
 Distance between stations = 23.9 km
 Protected Station= KNEV, 60 kW, 2339 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0990	022.5557	022.5557	015.000
05.00	0.993	1.0	0.0976	022.3978	022.3126	013.048
10.00	0.974	1.0	0.0939	021.9692	021.6355	011.185
15.00	0.941	1.0	0.0877	021.2249	020.5017	009.507
20.00	0.897	1.0	0.0797	020.2325	019.0123	008.080
25.00	0.843	1.0	0.0704	019.0144	017.2329	006.964
30.00	0.78	1.0	0.0602	017.5934	015.2364	006.203
35.00	0.709	1.0	0.0498	015.9920	013.0999	005.827
40.00	0.633	1.0	0.0397	014.2778	010.9374	005.822
45.00	0.554	1.0	0.0304	012.4959	008.8359	006.164
50.00	0.473	1.0	0.0221	010.6688	006.8578	006.827
55.00	0.394	1.0	0.0154	008.8869	005.0973	007.720
60.00	0.317	1.0	0.0099	007.1502	003.5751	008.808
65.00	0.245	1.0	0.0059	005.5261	002.3354	009.992
70.00	0.181	1.0	0.0032	004.0826	001.3963	011.164
75.00	0.124	1.0	0.0015	002.7969	000.7239	012.298
80.00	0.077	1.0	0.0006	001.7368	000.3016	013.290
85.00	0.041	1.0	0.0002	000.9248	000.0806	014.079
90.00	0.016	1.0	0.0000	000.3609	000.0000	014.639

Exhibit C- 74.1204(d) Compliance to KUUB (FM)

PROP Reno, NV

74.1204(d) Showing

Translator or LPFM Maximum Licensed ERP = 0.099

Translator or LPFM Antenna Height AG = 15 Meters

PROP Antenna Model = SHPX1H

Protected Station's Contour = 87.54697 dBu

Translator's or LPFM's full Interference contour 127.54697

Review Azimuth = 0 Degrees True

Relative Field on the horizon at Review Azimuth = 1.000

Translator/LPFM ERP on the horizon at Review Azimuth = 0.099 kW

Distance between stations = 15.3 km

Protected Station= KUUB, 50 kW, 1698 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.00	1.0	1.0	0.0990	029.2731	029.2731	015.000
05.00	0.993	1.0	0.0976	029.0682	028.9576	012.467
10.00	0.974	1.0	0.0939	028.5120	028.0789	010.049
15.00	0.941	1.0	0.0877	027.5460	026.6074	007.871
20.00	0.897	1.0	0.0797	026.2580	024.6744	006.019
25.00	0.843	1.0	0.0704	024.6772	022.3652	004.571
30.00	0.78	1.0	0.0602	022.8330	019.7740	003.583
35.00	0.709	1.0	0.0498	020.7546	017.0012	003.096
40.00	0.633	1.0	0.0397	018.5299	014.1947	003.089
45.00	0.554	1.0	0.0304	016.2173	011.4674	003.533
50.00	0.473	1.0	0.0221	013.8462	008.9002	004.393
55.00	0.394	1.0	0.0154	011.5336	006.6154	005.552
60.00	0.317	1.0	0.0099	009.2796	004.6398	006.964
65.00	0.245	1.0	0.0059	007.1719	003.0310	008.500
70.00	0.181	1.0	0.0032	005.2984	001.8122	010.021
75.00	0.124	1.0	0.0015	003.6299	000.9395	011.494
80.00	0.077	1.0	0.0006	002.2540	000.3914	012.780
85.00	0.041	1.0	0.0002	001.2002	000.1046	013.804
90.00	0.016	1.0	0.0000	000.4684	000.0000	014.532

TOWAIR Determination Results

*** NOTICE ***

TOWAIR's findings are not definitive or binding, and we cannot guarantee that the data in TOWAIR are fully current and accurate. In some instances, TOWAIR may yield results that differ from application of the criteria set out in 47 C.F.R. Section 17.7 and 14 C.F.R. Section 77.13. A positive finding by TOWAIR recommending notification should be given considerable weight. On the other hand, a finding by TOWAIR recommending either for or against notification is not conclusive. It is the responsibility of each ASR participant to exercise due diligence to determine if it must coordinate its structure with the FAA. TOWAIR is only one tool designed to assist ASR participants in exercising this due diligence, and further investigation may be necessary to determine if FAA coordination is appropriate.

DETERMINATION Results

Structure does not require registration. The structure meets the 6.10-meter (20-foot) Rule criteria.

Your Specifications

NAD83 Coordinates

Latitude	39-26-56.0 north
Longitude	119-50-04.0 west

Measurements (Meters)

Overall Structure Height (AGL)	16
Support Structure Height (AGL)	11
Site Elevation (AMSL)	1510

Structure Type

BPOLE - Building with Pole

EXHIBIT F- Receipt for 302-AM downgrading to Class D

US BANK/FOC
JUL 21 2016

READ INSTRUCTIONS CAREFULLY
BEFORE PROCEEDING

FEDERAL COMMUNICATIONS COMMISSION
REMITTANCE ADVICE
FORM 159

Approved by OMB
3060-0589
Page No. 1 of 2

(1) LOCKBOX # 979089		SPECIAL USE ONLY	
		FCC USE ONLY	
SECTION A - PAYER INFORMATION			
(2) PAYER NAME (if paying by credit card enter name exactly as it appears on the card) THE EVANS BROADCASTING COMPANY, INC.		(3) TOTAL AMOUNT PAID (U.S. Dollars and cents) \$690.00	
(4) STREET ADDRESS LINE NO. 1 1960 IDAHO STREET			
(5) STREET ADDRESS LINE NO. 2			
(6) CITY CARSON CITY		(7) STATE NV	(8) ZIP CODE 89701
(9) DAYTIME TELEPHONE NUMBER (include area code) 775-884-8000		(10) COUNTRY CODE (if not in U.S.A.)	
FCC REGISTRATION NUMBER (FRN) REQUIRED			
(11) PAYER (FRN) 0010-4562-83		(12) FCC USE ONLY	
IF MORE THAN ONE APPLICANT, USE CONTINUATION SHEETS (FORM 159-C) COMPLETE SECTION BELOW FOR EACH SERVICE. IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET			
(13) APPLICANT NAME THE EVANS BROADCASTING COMPANY, INC.			
(14) STREET ADDRESS LINE NO. 1 1960 IDAHO STREET			
(15) STREET ADDRESS LINE NO. 2			
(16) CITY CARSON CITY		(17) STATE NV	(18) ZIP CODE 89701
(19) DAYTIME TELEPHONE NUMBER (include area code) 775-884-8000		(20) COUNTRY CODE (if not in U.S.A.)	
FCC REGISTRATION NUMBER (FRN) REQUIRED			
(21) APPLICANT (FRN) 0010-4562-83		(22) FCC USE ONLY	
COMPLETE SECTION C FOR EACH SERVICE, IF MORE BOXES ARE NEEDED, USE CONTINUATION SHEET			
(23A) CALL SIGN/OTHER ID KCMY	(24A) PAYMENT TYPE CODE MMR	(25A) QUANTITY 001	
(26A) FEE DUE FOR (PTC) \$690.00	(27A) TOTAL FEE \$690.00	FCC USE ONLY	
(28A) FCC CODE 1 40801		(29A) FCC CODE 2	
(23B) CALL SIGN/OTHER ID	(24B) PAYMENT TYPE CODE	(25B) QUANTITY	
(26B) FEE DUE FOR (PTC)	(27B) TOTAL FEE	FCC USE ONLY	
(28B) FCC CODE 1		(29B) FCC CODE 2	
SECTION D - CERTIFICATION			
CERTIFICATION STATEMENT I, LISA L. STONE , certify under penalty of perjury that the foregoing and supporting information is true and correct to the best of my knowledge, information and belief.			
SIGNATURE <i>Lisa L. Stone</i>		DATE 7/20/2016	
SECTION E - CREDIT CARD PAYMENT INFORMATION			
MASTERCARD _____ VISA <input checked="" type="checkbox"/> _____ AMEX _____ DISCOVER _____			
ACCOUNT NUMBER 4147342013647369		EXPIRATION DATE 11/2018	
I hereby authorize the FCC to charge my credit card for the service(s) authorization herein described.			
SIGNATURE <i>Lisa L. Stone</i>		DATE 07/20/2016	

SEE PUBLIC BURDEN ON REVERSE

FCC FORM 159

FEBRUARY 2003