Technical Exhibit
K234CC
289.5 RC-AMSL 90.5m Highest Radial
45.7m AGL
250 Watts

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Interference Compliance

Contour protection, as required by C.F.R. Section 74.1204 to co-channel and first, second and third adjacent channels is demonstrated herein by Figure 1.

Height Above Average Terrain

The proposed HAAT and the predicted 60 dBu contours were calculated in accordance with Section 47 C.F.R. 73.313. The average terrain elevations were calculated along 12 radials using the NED 03 Sec terrain database.

Figure 2 shows the HAAT of the 12 radials. The highest radial is 90.5m above average terrain.

RF Electromagnetic Exposure Analysis

The proposed facility will not have a significant environmental impact and complies with maximum permissible radio frequency electromagnetic exposure limits for uncontrolled environments, in accordance with OET Bulletin No. 65.

Using a worst case assumption of maximum downward radiation (F=1.0) the RF exposure at 2m above ground level is 8.74744 $\mu W/cm^2$ or 4.4% of the controlled standard. This is the only RF source n the tower.

The power will be reduced or shut off to allow necessary access to the tower.

Figure 1
Minor Modification of K234CC

REFERENCE CH# 234D - 94.7 MHz, Pwr= 0.25 kW, HAAT= 56.3 M, COR= 289.5 M DISPLAY DATES
39 00 59.6 N. Average Protected F(50-50)= 9.87 km DATA 06-20-13
92 19 02.0 W. Omni-directional SEARCH 07-09-13

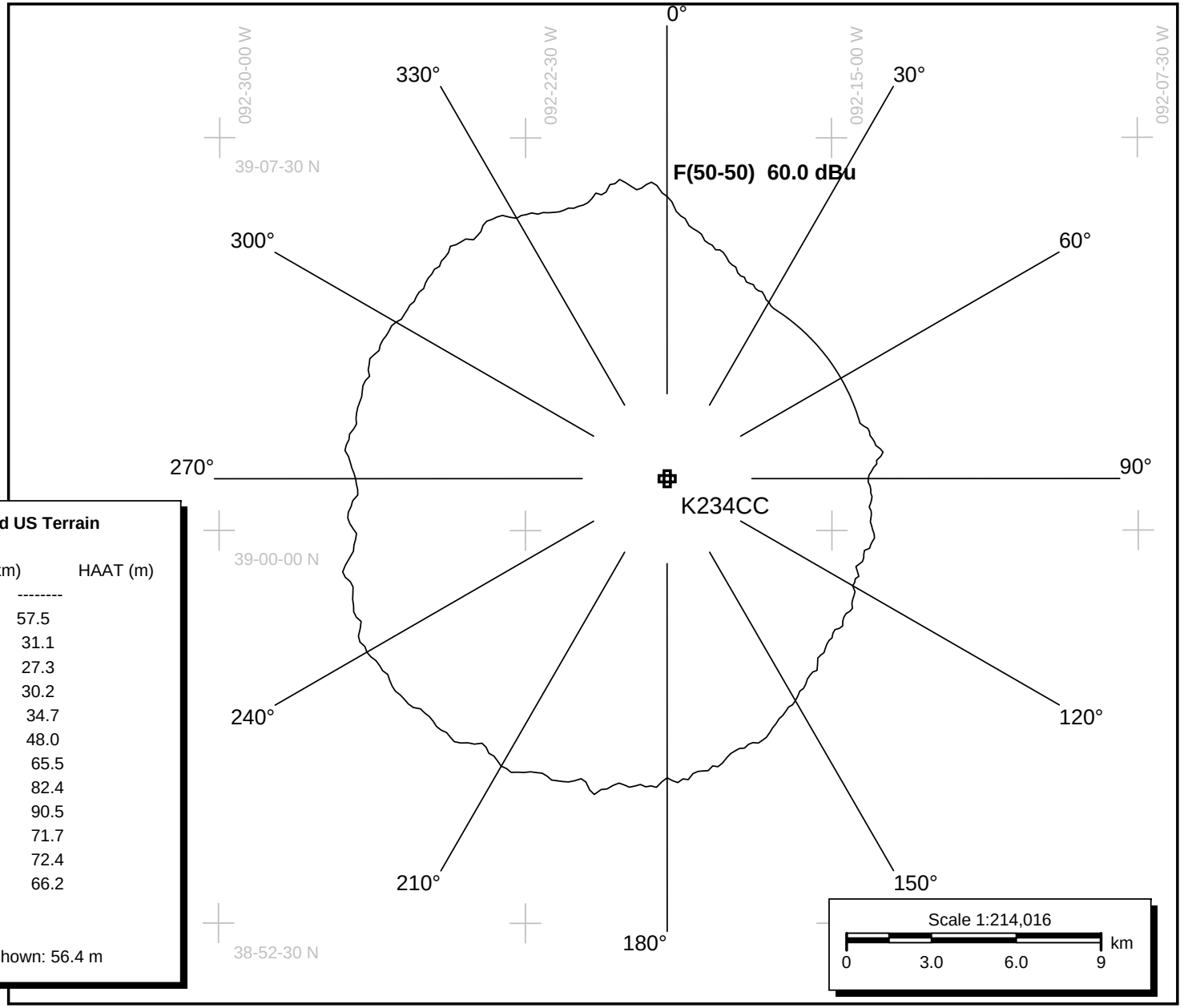
CH CALL / CITY	TYPE ANT / STATE	AZI / <--	DIST / FILE #	LAT / LNG	PWR(kW) / HAAT(M)	INT(km) / COR(M)	PRO(km) / LICENSEE	*IN* / (Overlap in km)	*OUT*
234D K234CC	CP _C_	21.5	5.47	39 03 44.5	0.250	38.8	11.4	-40.8*	-30.9*
Columbia	MO	201.5	BNPFT20130328AIJ	92 17 38.2		300	Covenant Network		
234C0 KSHE	LIC _CX	105.3	179.52	38 34 24.0	100.000	170.3	71.0	1.6	82.9
Crestwood	MO	286.6	BMLH20061011ADJ	90 19 30.0	313	466	Emmis Radio License, Llc		
232C2 KATI	LIC _CN	188.1	55.35	38 31 25.0	50.000	6.0	52.1	37.9	1.7
California	MO	8.0	BLH19951013KA	92 24 25.0	150	376	Zimmer Radio Of Mid-missou		
234C0 KSHE	CP _CX	105.3	179.45	38 34 27.7	100.000	170.0	70.6	2.0	83.2
Crestwood	MO	286.5	BPH20120228ADA	90 19 31.5	309	462	Emmis Radio License, Llc		
235D K235BZ	CP _C_	259.2	34.84	38 57 25.9	0.205	16.7	11.7	6.3	6.7
Boonville	MO	79.0	BNPFT20130326BCU	92 42 47.3		278	Covenant Network		
235L1 KSDC-LP	LIC ___	19.8	27.10	39 14 45.0	0.100	8.0	5.6	9.9	10.4
Centralia	MO	199.9	BLL20061017ADO	92 12 38.0	16	271	Sunnydale Adventist Academ		
233C KRXL	LIC _CY	356.0	136.66	40 14 34.0	100.000	106.4	73.4	19.7	48.6
Kirksville	MO	176.0	BLH19900604KE	92 25 42.0	308	578	Kirx, Inc.		
235L1 KWWU-LP	LIC ___	118.7	36.27	38 51 33.0	0.047	6.6	4.6	21.8	20.8
Fulton	MO	299.0	BLL20030529ABW	91 56 59.0	43	286	William Woods University		
234C KTTS-FM	LIC _CY	197.5	214.36	37 10 30.0	100.000	178.3	76.2	24.6	99.4
Springfield	MO	17.0	BLH19901218KB	93 02 35.0	336	762	Journal Broadcast Corporat		
288C2 KZZT«	LIC _C_	8.1	46.80	39 26 02.0	50.000	173.9	81.7	14.5R	32.3M
Moberly	MO	188.2	BLH20000626AEW	92 14 24.0	150	384	Fm-105, Inc.		
234D K234CE	CP _C_	245.3	89.53	38 40 35.0	0.250	40.3	11.7	37.0	36.1
Sedalia	MO	64.7	BNPFT20130327AIA	93 15 16.0		344	Community Broadcasting, In		
236C3 KTKS	LIC NCN	209.9	77.78	38 24 32.0	12.500	3.8	37.9	62.2	37.9
Versailles	MO	29.6	BLH20000630ADB	92 45 42.0	141	410	Benne Broadcasting Of Vers		

Terrain database is NED 03 SEC , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
In & Out distances between contours are shown at closest points. Reference zone= West Zone, Co to 3rd adjacent.
All separation margins (if shown) include rounding
Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
"*"affixed to 'IN' or 'OUT' values = site inside protected contour.
« = Station meets FCC minimum distance spacing for its class.

Figure 2

K234CC

Latitude: 39-00-59.60 N
Longitude: 092-19-02 W
ERP: 0.25 kW
Channel: 234
Frequency: 94.7 MHz
AMSL Height: 289.5 m
Elevation: 242.87 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None



Primary Terrain: NED 3 Second US Terrain

Bearing (deg)	Distance (km)	HAAT (m)
0.0	9.98	57.5
30.0	7.20	31.1
60.0	7.09	27.3
90.0	7.11	30.2
120.0	7.57	34.7
150.0	9.06	48.0
180.0	10.57	65.5
210.0	11.73	82.4
240.0	12.25	90.5
270.0	11.01	71.7
300.0	11.06	72.4
330.0	10.63	66.2

Average HAAT for radials shown: 56.4 m

Figure 3
Minor Modification of K234CC

Coverage Study - NED 03 SEC
07-10-2013

K234CC CH234 D , 0.25 kW, 56.3M HAAT, 289.5M COR AMSL
Service Contour = 60 dBu. Population = 81,104