

TECHNICAL STATEMENT  
GROOM CREEK, ARIZONA, CHANNEL 201A  
CEDAR COVE BROADCASTING, INC.  
SCHEDULE 340  
NOVEMBER 2021

This Technical Statement is prepared on behalf of Cedar Cove Broadcasting, Inc. It is proposing a new FM station on channel 201A for Groom Creek, Arizona, with 0.008 Kilowatts (8 watts) Effective Radiated Power (“ERP”), circular polarized antenna system and a Center of Radiation height of 2441 Meters Above Mean Sea Level. The antenna will also be located 684.8 Meters Above Average Terrain on existing non-registered tower.

The new operation was evaluated for compliance with all of the Commission technical rules and regulations for new Non-Commercial FM broadcast stations.

Compliance with Section 73.509 in regards to interference to other stations was determined as follows:

Figure 1 – Channel Interference Study. Shows compliance with interference contours towards other stations.

Figure 2 – Predicted 60 dbμ primary coverage contour for compliance with community coverage.

The application was determined to meet or exceed all of the technical requirements for a new FM Non-Commercial Station set for by the Commission.

**FIGURE 1 - DETAILED CHANNEL INTERFERENCE STUDY**

GROOM CREEK, AZ, CH. 201A

REFERENCE 34 24 52.90 N. CH# 201A - 88.1 MHZ, Pwr= 0.008 kW, HAAT= 684.8 M, COR= 2441 M  
112 24 16.30 W. Average Protected F(50-50)= 13.56 km  
Omni-directional

DISPLAY DATES  
DATA 11-05-21  
SEARCH 11-06-21

CH CITY	CALL	TYPE STATE	ANT D_N	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
06 -- Prescott	K06AE-D	LI	D_N AZ	40.9 221.0	40.10 BLDTV-20111114AAT	34 41 14.00 112 07 02.51	0.500 2347	27.9	32.4	60.3R	-20.2M
202C1 Phoenix	KPHF	LIC	_CN AZ	162.4 342.6	95.22 BLED19990716KB	33 35 47.10 112 05 33.50	22.500 297	80.7 704	54.9	0.6	17.9
202C1 Phoenix	KVCP	LIC	_CN AZ	162.3 342.5	95.24 BLED19920121KC	33 35 47.10 112 05 31.50	22.500 304	80.7 704	54.9	0.7	18.0
204C Flagstaff	KNAU	LIC	_CN AZ	52.8 233.4	102.63 BLED19991014AAT	34 58 07.10 111 30 26.50	100.000 445	12.6 2624	86.6	76.1	15.7
202C1 Bullhead City	KMUR	LIC	DHN AZ	291.5 110.4	192.35 BLED20121204BRJ	35 01 58.00 114 21 59.80	13.500 563	103.8 1347	70.4	75.6	101.2
201C1 Hotevilla	KUYI	LIC	_CN AZ	50.8 232.0	248.25 BMLLED20041215AAW	35 48 29.00 110 16 25.50	69.000 124	149.3 2002	58.4	85.1	138.3
201C0 Mammoth	KLTU	LIC	DCN AZ	153.2 333.9	268.44 0000144607	32 14 56.20 111 07 01.10	16.000 603	159.2 1372	71.7	95.0	144.1
254C Phoenix	KMVP-FM«	LIC	_CN AZ	165.3 345.4	124.06 BMLH20040707ABN	33 19 58.20 112 03 50.50	100.000 545	90.7 911	67.5	28.5R	95.6M
255C2 Doney Park	KZXX«	LIC	_CN AZ	38.5 219.0	117.62 BLH20170627AAA	35 14 25.00 111 35 51.60	0.560 610	90.7 2844	67.5	14.5R	103.1M
204C3 Chandler	KPNG	LIC	DCN AZ	165.9 346.1	161.29 BLED20150812AAS	33 00 14.20 111 58 55.50	15.000 113	4.4 503	42.5	143.1	118.7
201A Whiteriver	KNNB	LIC	_CN AZ	107.2 288.5	236.77 BLED19820924AG	33 45 47.10 109 57 41.30	0.630 183	87.0 1963	31.3	135.8	152.7
06 -- Sentinel	K06QW-D«	CP	DHN AZ	203.5 23.1	187.82 0000153422	32 51 38.50 113 12 32.51	3.000	35.7 220	8.5	44.2R	143.6M
201C1 Las Vegas	KCEP	LIC	_CN NV	307.6 126.1	295.66 BLED19930617KA	36 00 30.90 115 00 24.90	10.000 364	130.5 1059	54.5	152.5	194.1
203B Blythe	KERU-FM	LIC	DCN CA	242.9 61.8	202.65 BLED20130620AAU	33 34 12.10 114 20 57.80	1.000 673	2.2 1020	47.7	186.2	154.7
203C1 Globe	KLKA	LIC	DVN AZ	130.3 311.1	190.36 BMLLED20110427AAD	33 17 55.20 110 50 30.30	1.500 910	0.5 2262	24.7	175.5	159.7
06 -- Laughlin	K06PG-D«	LI	D_N NV	294.2 112.8	233.14 BLDTV-20110217ACA	35 14 57.90 114 44 36.79	0.300	29.8 1484	37.0	66.8R	166.3M
201A Sonoita	AL0204«	---	---	188.5 8.3	286.95	31 51 41.25 112 51 18.58	6.000 100	73.4 563	24.0	100.0R	187.0M
203C3 Snowflake	KSNH	LIC	_EN AZ	93.8 275.1	218.28 BLED20120622ADP	34 15 49.10 110 02 21.40	11.000 3	1.9 1971	18.6	202.7	193.8
201A Yuma	KCFY	LIC	_CN AZ	226.0 44.8	280.63 BLED19920501KA	32 38 31.20 114 33 36.80	3.000 73	70.6 135	20.9	195.3	203.1
255B Essex	KHWY«	LIC	_CN CA	282.8 101.2	249.69 BLH20060320ADE	34 52 49.90 115 04 08.90	9.000 348	90.7 1136	67.5	14.5R	235.2M
255C1 Hurricane	KRQX-FM«	LIC	NCN UT	340.3 159.7	287.26 BLH20100727AFE	36 50 48.90 113 29 30.80	14.500 620	90.7 1985	67.5	21.5R	265.8M

Terrain database is NGDC 30 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= - Zone 2, 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 restricted contour.

« = Station meets FCC minimum distance spacing for its class.

Reference station has protected zone issue: Mexico

Figure 2 - Predicted 60 dBu Contour  
Groom Creek, AZ, Ch. 201A

Coverage Study - NGDC 30 SEC  
11-08-2021

New CH201 A , 0.008 kW, 684.8m HAAT, 2441.0m COR AMSL  
Service Contour = 60 dBu.

