
Minor Change Application

This minor change application proposes a change in the antenna make/model with no other changes to the technical parameters as is indicated below:

	Licensed	Proposed
Channel / Class	220 D	220 D
Geographical Coordinates	37 11 09 / 80 10 06	37 11 09 / 80 10 06
ASRN	N/A	N/A
Site AMSL	1144 m	1144 m
Tower AGL	15 m	15 m
COR AGL	14 m	14 m
COR AMSL	1158 m	1158 m
HAAT	565 m	565 m
ERP	0.010 kW (V, non-DA)	0.010 kW (H&V, non-DA)

The below listed pages of this exhibit contains information as indicated.

Page 2 Tabulation of HAAT / ERP / distance to 60 dBu contour
Page 3 60 dBu contour map
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Tabulation of HAAT / ERP / distance to 60 dBu contour

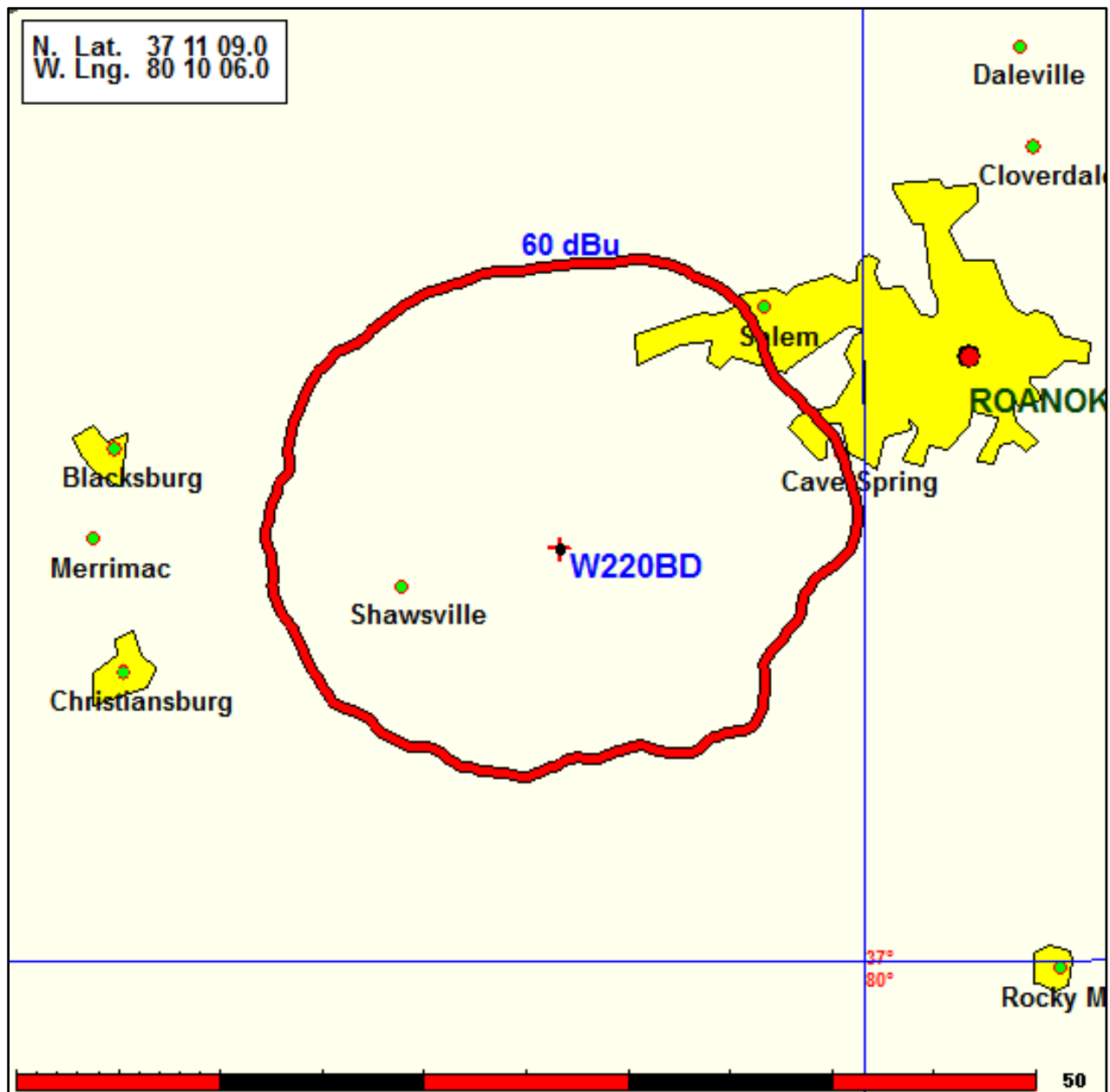
CH 220 37 11 09 / 80 10 06 0.010 kW ERP (non-DA) 1158 m COR AMSL 565 m HAAT

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	534.4	623.6	0.0100	-20.00	1.000	13.98
010	503.6	654.4	0.0100	-20.00	1.000	14.32
020	431.6	726.4	0.0100	-20.00	1.000	15.04
030	423.0	735.0	0.0100	-20.00	1.000	15.11
040	469.6	688.4	0.0100	-20.00	1.000	14.68
050	565.1	592.9	0.0100	-20.00	1.000	13.61
060	532.2	625.8	0.0100	-20.00	1.000	14.00
070	477.7	680.3	0.0100	-20.00	1.000	14.60
080	465.8	692.2	0.0100	-20.00	1.000	14.72
090	508.3	649.7	0.0100	-20.00	1.000	14.27
100	686.6	471.4	0.0100	-20.00	1.000	12.34
110	721.9	436.1	0.0100	-20.00	1.000	12.00
120	753.7	404.3	0.0100	-20.00	1.000	11.61
130	627.2	530.8	0.0100	-20.00	1.000	12.85
140	700.2	457.8	0.0100	-20.00	1.000	12.22
150	735.2	422.8	0.0100	-20.00	1.000	11.84
160	829.7	328.3	0.0100	-20.00	1.000	10.57
170	820.3	337.7	0.0100	-20.00	1.000	10.72
180	818.5	339.5	0.0100	-20.00	1.000	10.75
190	755.7	402.3	0.0100	-20.00	1.000	11.59
200	739.5	418.5	0.0100	-20.00	1.000	11.79
210	740.9	417.1	0.0100	-20.00	1.000	11.77
220	667.6	490.4	0.0100	-20.00	1.000	12.50
230	631.0	527.0	0.0100	-20.00	1.000	12.81
240	572.8	585.2	0.0100	-20.00	1.000	13.51
250	565.7	592.3	0.0100	-20.00	1.000	13.60
260	517.3	640.7	0.0100	-20.00	1.000	14.17
270	509.0	649.0	0.0100	-20.00	1.000	14.26
280	517.8	640.2	0.0100	-20.00	1.000	14.17
290	523.1	634.9	0.0100	-20.00	1.000	14.11
300	477.1	680.9	0.0100	-20.00	1.000	14.60
310	478.0	680.0	0.0100	-20.00	1.000	14.59
320	517.0	641.0	0.0100	-20.00	1.000	14.18
330	512.0	646.0	0.0100	-20.00	1.000	14.23
340	530.5	627.5	0.0100	-20.00	1.000	14.02
350	543.4	614.6	0.0100	-20.00	1.000	13.87

FCC 30 second terrain database
(yellow highlighted values establish average HAAT)

60 dBu contour

This minor change application proposes a change in the antenna make/model with no other changes, thus there will be no change in the 60 dBu contour coverage.



Allocation Study

CH 220 37 11 09 / 80 10 06 0.010 kW ERP (non-DA) 1158 m COR AMSL 565 m HAAT

CH CITY	CALL	TYPE STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
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Reference station:

220D	W220BD	LIC	0.0	0.00	37 11 09.0	0.010	51.3	14.0		
Roanoke		VA	0.0	BLFT19960808TB	80 10 06.0	565	1158	Family Stations, Inc.		

1st, 2nd, & 3rd adjacent channel relationships:

217C3	WPAR	LIC	45.7	29.82	37 22 23.0	3.300	3.3	43.1	11.9	-13.5
Salem		VA	225.8	BLED19931015KB	79 55 37.0	270	686	Positive Alternative Radio		
218D	W218AT	LIC	324.8	60.80	37 37 55.0	0.017	0.3	12.2	46.3	48.1
Union		WV	144.5	BLFT19980519TD	80 34 00.0	387	1039	West Virginia Educational		
218A	WPIN-FM	LIC	250.9	54.27	37 01 29.0	0.085	0.6	21.1	39.7	32.9
Dublin		VA	70.6	BLED20011108AAB	80 44 46.0	379	1032	Positive Alternative Radio		
219B	WVBY	LIC	317.7	107.10	37 53 46.0	10.500	72.9	48.1	20.3	29.5
Beckley		WV	137.2	BLED19840615CB	80 59 21.0	280	1002	West Virginia Educational		
219A	WEQP	LIC	83.1	96.03	37 17 07.0	1.150	40.9	27.1	40.3	45.4
Rustburg		VA	263.7	BLED20071210ABQ	79 05 26.0	228	464	Calvary Chapel Of Lynchburg		
219D	W219BY	LIC	190.6	91.12	36 22 48.0	0.010	14.3	10.2	65.2	63.7
Mount Olive		NC	10.5	BLFT20151221CEY	80 21 18.0		620	Calvary Chapel Of Twin Falls		
220A	WVMR-FM	LIC	358.8	111.85	38 11 30.0	0.550	65.5	21.1	32.8	36.4
Hillsboro		WV	178.8	BLED20101012AAH	80 11 44.0	-11	930	Pocahontas Communications		
220C2	WVTR	LIC	244.6	112.03	36 44 52.0	4.500	127.1	51.7	-28.7	9.3
Marion		VA	63.9	BLED19911030KA	81 18 15.0	454	1355	Virginia Tech Foundation,		
222C	WXLK	LIC	46.7	1.89	37 11 51.0	100.000	10.7	80.5	-22.7	-78.8
Roanoke		VA	226.7	BLH20110722ADP	80 09 10.0	605	1191	Mel Wheeler, Inc.		

I.F. relationships:

None

Terrain database is FCC 30 SEC

Contour distances are on direct line to and from reference station.

Allocation Study

W220BD is located within the 60 dBu contour of the following second/third adjacent stations:

WPAR (LIC), CH 217C3, Salem, VA

WPAR signal strength at the W220BD site	67.4 dBu
W220BD corresponding interference contour	107.4 dBu
Distance to W220BD interference contour	95.2 meters

WXLK (LIC), CH 222C, Roanoke, VA

WXLK signal strength at the W220BD site	118.6 dBu
W220BD corresponding interference contour	158.6 dBu
Distance to W220BD interference contour	0.3 meters

W220BD's 107.4 dBu interference contour to WPAR is being used for this study as the worst case situation. As is indicated on the below map, there are no populated structures (only uninhabited equipment buildings) within the 107.4 dBu interference contour distance of 95.2 meters (312.3'), therefore, a waiver of Section 74.1204(d) is respectfully requested based on the showing of no population within the area of predicted interference.

