

WJMA-FM Short Spaced Engineering Exhibit  
MainQuad Communications, Inc.

This application is being filed under FCC rule 73.215. Table 1 is a channel study for Channel 255B1 at the proposed coordinates of 37 36 32 N 77 30 56 W. There are a few mileage separation issues that we have addressed.

The reason that the allocation and application for WJMA-FM on Channel 255B1 is not a problem is self explanatory since this is an amendment to the WJMA-FM application.

The allocations and licensed stations for Orange and South Hill, VA (WJMA-FM and WKSK) were changed as a result of the Proposal for Rulemaking that changed the city of license of WJMA-FM to Midlothian, VA.

The proposed site is short spaced to WXGMFM LIC-N 256A, Gloucester, VA. However WJMA-FM is proposing a directional antenna that will protect WXGMFM. Map 1 shows the predicted protected and interfering contours for both WJMA-FM and WXGMFM. WXGMFM is protected on this map at their maximum facility from their current tower location.

The proposed site is short spaced to WNOR LIC 254B Norfolk, VA. However WJMA-FM is proposing a directional antenna that will protect WNOR. Map 2 shows the predicted protected and interfering contours for both WJMA-FM and WNOR. WNOR is protected on this map at their maximum facility from their current tower location. WNOR has filed for and received a construction permit. The construction permit is located at the same coordinates as the licensed facility. Therefore both the licensed facility and construction permit are protected.

The proposed site is short spaced to WPZZ LIC-D 257A Petersburg, VA. However WJMA-FM is proposing a directional antenna that will protect WPZZ. Map 3 shows the predicted protected and interfering contours for both WJMA-FM and WPZZ. WPZZ is protected on this map at their maximum facility from their current tower location.

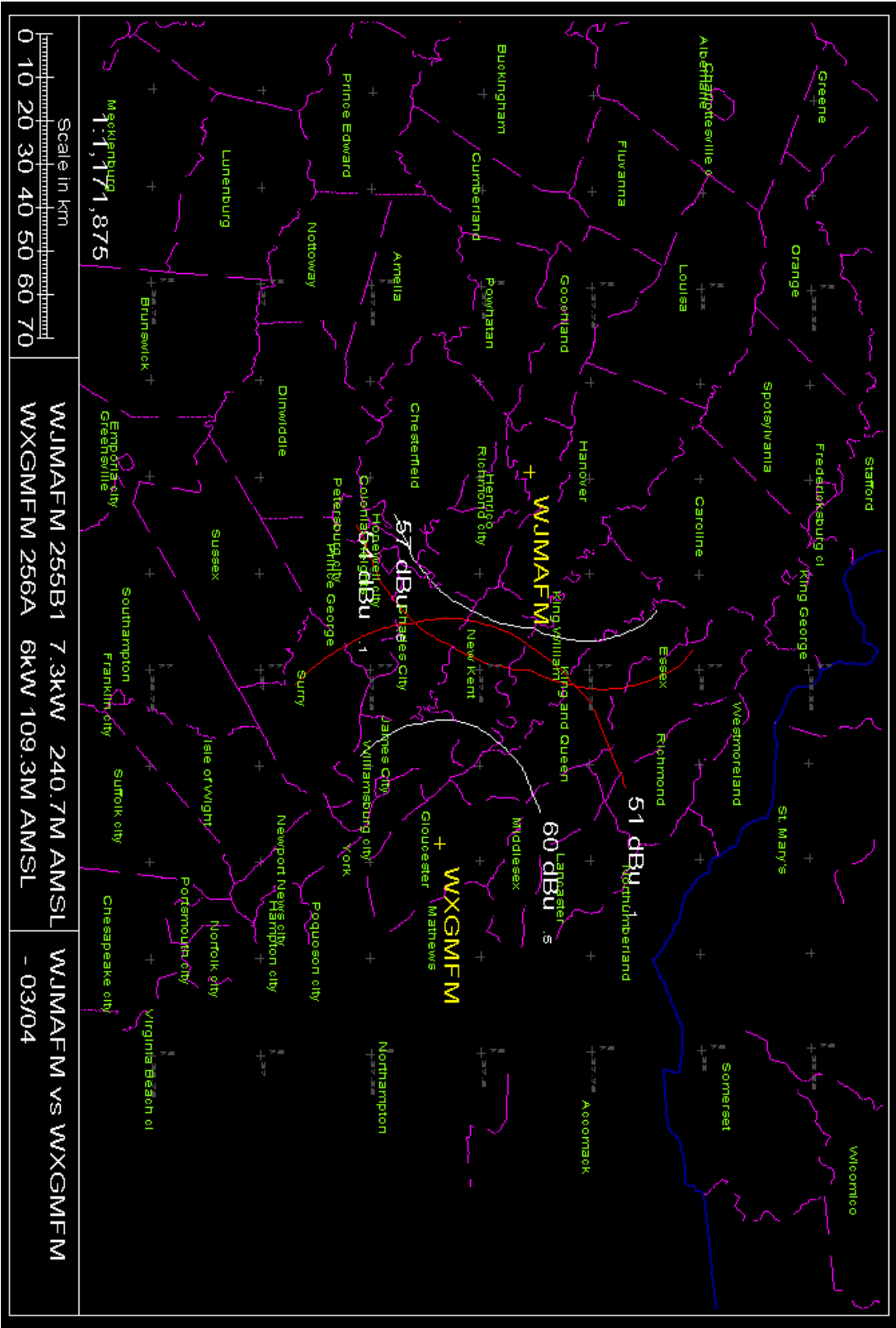
The proposed site is short spaced to WMZQFM LIC 254B Washington, DC. However WJMA-FM is proposing a directional antenna that will protect WMZQFM. Map 4 shows the predicted protected and interfering contours for both WJMA-FM and WMZQFM. WMZQFM is protected on this map at their maximum facility from their current tower location.

This leaves the issue of 970418 APP 201A Ashland, VA. We understand that this application has recently been withdrawn.

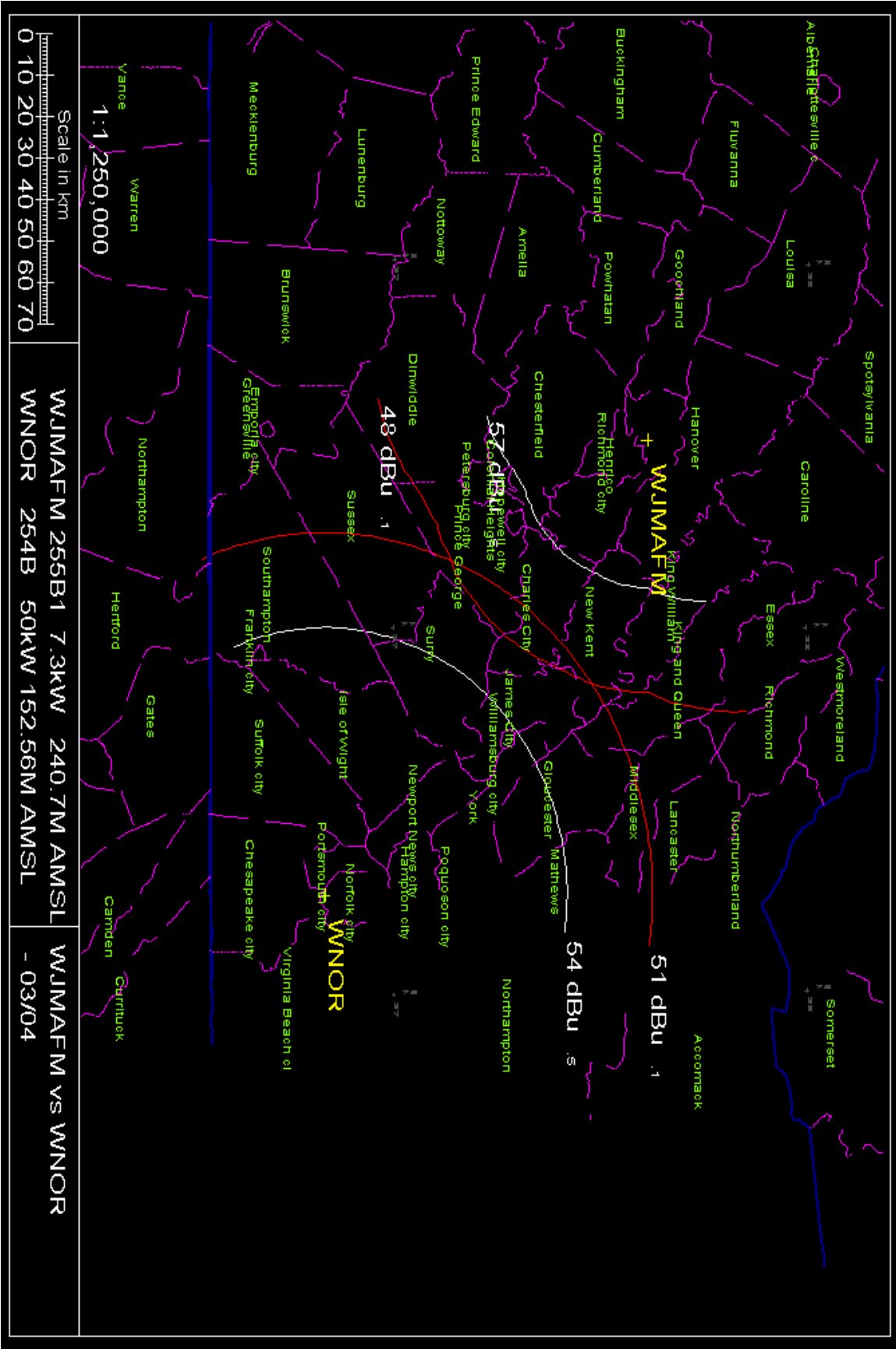
Table 1

WJMA-FM B1 255 Midlothian, VA									
MainQuad Communications, Inc.									
REFERENCE				CLASS = B1		DISPLAY DATES			
37 36 32 N						DATA	03-02-04		
77 30 56 W				Current Spacings		SEARCH	03-02-04		
----- Channel 255 - 98.9 MHz -----									
Call		Channel		Location		Dist	Azi	FCC	Margin
ALLO		RSV	255B1	Midlothian	VA	20.54	264.1	175.0	-154.46
WJMAFM		APP	255A	Midlothian	VA	13.11	215.2	143.0	-129.89
ALLO		USE	255C3	South Hill	VA	105.49	212.1	175.0	-69.51
WKSJFM		LIC-N	255C3	South Hill	VA	111.81	211.0	175.0	-63.19
ALLO		USE	255A	Orange	VA	89.20	323.7	143.0	-53.80
WJMAFM		LIC	255A	Orange	VA	89.20	323.7	143.0	-53.80
WXGMFM		LIC-N	256A	Gloucester	VA	88.36	104.2	96.0	-7.64
ALLO		USE	256A	Gloucester	VA	89.57	103.1	96.0	-6.43
970418		APP	201A	Ashland	VA	5.81	143.9	12.0	-6.19
WNOR.C		CP	254B	Norfolk	VA	140.04	127.6	145.0	-4.96
ALLO		USE	254B	Norfolk	VA	140.04	127.6	145.0	-4.96
WNOR		LIC	254B	Norfolk	VA	140.04	127.6	145.0	-4.96
WPZZ		LIC-D	257A	Petersburg	VA	43.42	163.6	48.0	-4.58
ALLO		USE	257A	Petersburg	VA	43.42	163.6	48.0	-4.58
ALLO		USE	254B	Washington	DC	144.47	10.8	145.0	-0.53
WMZQFM		LIC	254B	Washington	DC	144.47	10.8	145.0	-0.53
970807		APP	201A	Ashland	VA	17.50	15.8	12.0	5.50
WYSJFM		LIC	257A	Spotsylvania	VA	61.20	345.3	48.0	13.20
ALLO		USE	257A	Spotsylvania	VA	61.59	344.7	48.0	13.59
970806		APP	201B1	Richmond	VA	29.82	240.7	14.0	15.82
RADD		ADD	255C3	Bethel	NC	200.33	176.5	175.0	25.33
WHFS		LIC	256B	Annapolis	MD	171.31	25.6	145.0	26.31
ALLO		USE	256B	Annapolis	MD	171.31	25.6	145.0	26.31
WSBJFM		LIC	255A	Salisbury	MD	182.76	64.5	143.0	39.76
ALLO		USE	255A	Windsor	NC	185.49	164.2	143.0	42.49
ALLO		USE	255A	Salisbury	MD	187.99	62.7	143.0	44.99
WSLQ		LIC	256C	Roanoke	VA	238.27	259.6	193.0	45.27
ALLO		USE	256C	Roanoke	VA	238.27	259.6	193.0	45.27
AP202		APP	202A	Spotsylvania	VA	60.67	0.6	12.0	48.67
RDEL		DEL	255A	Windsor	NC	194.20	166.4	143.0	51.20

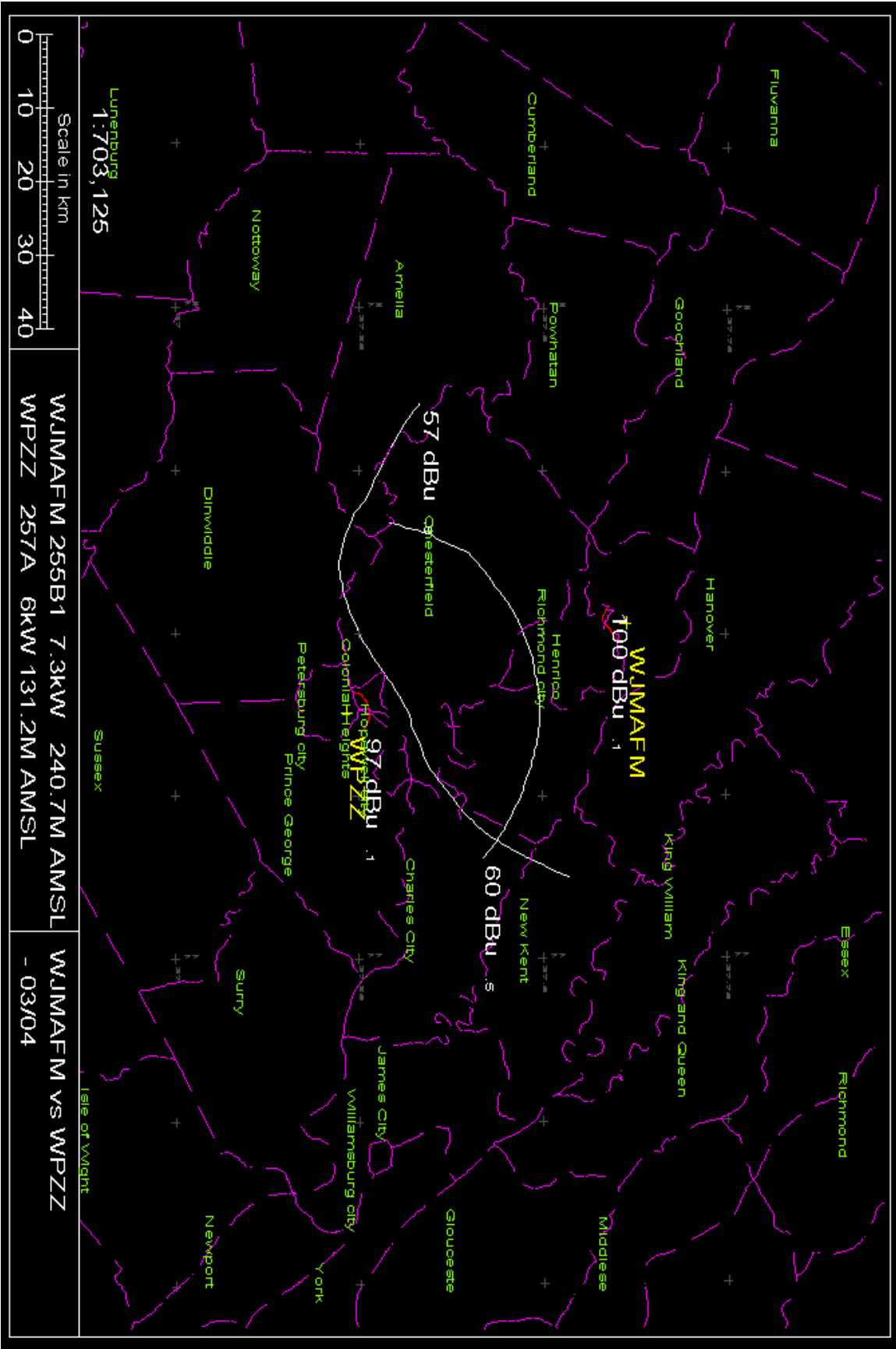
Map 1



Map 2



Map 3



Map 4

