

Explanation of Request for STA

This regards a request by Broad Comm, Inc. (Broad Comm) for Special Temporary Authority (STA) to allow use of various frequencies as detailed below. The purpose is to provide support to the broadcast television networks for coverage of the Republican National Convention that is scheduled to take place at the Xcel Energy Center in Saint Paul, MN between September 1 and September 4, 2008. In order to allow for setup and testing plus some use immediately following the convention the STA request covers the period from August 10, 2008 through September 5, 2008.

Broad Comm provides radio-frequency support services to broadcasters and broadcast network entities for coverage of major events. The FCC has granted Broad Comm and others similar requests for several previous events.

The following frequencies assigned for television broadcasting are being requested for use with wireless microphones. The requested frequencies are not expected to cause interference to local television due to the low power being requested (2 watts maximum – but typically < 250 mW) and the shielding provided by indoor use within the venue. In addition, not all the frequencies will likely be used but we are requesting authorization for all that will be potentially used so that if particular frequencies are unusable there will be others available.

TV CHANNEL(S)	RANGE REQUESTED (MHz)	
	LOWER FREQUENCY	UPPER FREQUENCY
8	180.5	185.5
10	192.5	197.5
12	204.5	209.5
15	476.5	481.5
18	494.5	499.5
20	506.5	511.5
24	530.5	535.5
27-28	548.5	559.5
33	584.5	589.5
36	602.5	607.5
38-42	614.5	643.5
46	662.5	667.5
48-49	674.5	685.5
51-61	692.5	757.5
63-68	764.5	799.5

The following microwave frequencies are being requested to support use of portable video camera transmitters that operate in the 1.4 to 6.5 GHz frequency bands. Hardware limitations prevent operation of these cameras in spectrum reserved for broadcast auxiliary operations. Additionally, operation of these low power transmitters (1.0 W) on broadcast auxiliary frequencies is not spectrally efficient considering the possible need for spectrum by local broadcasters to cover this event. In addition, AFTRCC coordination has been requested for those frequencies that fall within their prevue.

Requested Microwave Frequencies

1460, 1470, 1480, 1490, 1500, 1510, 2170, 2178, 2186, 2194, 2306, 2350, 2367, 2372, 2384, 2394, 6431.5, 6456.5 and 6487.5 MHz

Finally 30 pairs of UHF frequencies from the Industrial/Business Radio pool are requested to provide logistical support at the event.

The extensive list of requested frequencies is to allow Broad Comm to support a significant number of networks and other media organizations for this very large event.

It is noted that the equipment makes and models that have been listed in the application are representative of what is expected top be used. However, equipment with specifications that match or are within the limits of the listed equipment may be substituted as needed.

It is further noted that the requested powers and bandwidths are the maximum that might be needed, but typically lower values are used.

For some of the frequencies a large number of transmitters have been requested. In view of the magnitude of the event it is likely that a large number of portable transmitters may be required and the number requested represents what we believe to be the maximum number that may be needed.

Although the request encompasses a 16.2 km radius of the venue most all of the operation will be restricted to the area in and around the arena.

All operation at the event will comply with the guidelines established by the Political Conventions Communications Committee (POLCOMM2008) who has previously requested to be appointed as the special frequency coordination for the event. Copies of the guidelines and the request for special coordinator are attached below.