

### **Frequency Coordination**

The NFL Frequency Organization Group, in cooperation with the local Society Of Broadcast Engineers (SBE) Frequency Coordinator has been the frequency coordinating entity for the past 8 Superbowls. We will be continuing this process this year at the Superbowl in Houston.

The Frequency Organization Group consists of the following people: the local SBE Frequency Coordinator, the local NFL Game Day Coordinator and several other SBE affiliated individuals. In all cases, we integrate the local Part 74 frequency coordination database into our database and strive to give all users the interference protection they desire while protecting the local broadcast users.

To accomplish these goals, we rely heavily on the local SBE Frequency Coordination Committee, as they are most familiar with the usage patterns of the local broadcast community.

### **Frequency Selection**

Portions of TV channel 15 and TV channel 18 were selected for this event for the following reasons:

1. Per a query from the Mass Media Bureau Web page on 12/11/03, there were no licensed TV facilities within a 113 KM radius of Reliant Stadium on TV channels 15 and 18.
2. The TV station operating on channel 14, KETH-TV, is a full-power analog station operating from a site 10 miles away from Reliant Stadium.
3. While there are no TV stations licensed on TV-15, it appears that several off-shore telemetry links are licensed in this channel between 478-479 MHz and 481-482 MHz. To protect these facilities, we propose to operate only between 476.250 – 477.875 MHz and 479.125 – 480.875 MHz.
4. It appears there are Land Mobile licensees operating on TV channels 16 and 17. The land-mobile facilities operating on TV channel 16 (482-488 MHz) and channel 17 (488-494 MHz) will be protected with a 125 KHz guard band from any Superbowl related operations.
5. The TV station operating on channel 19, KTXH-DT, is a full-power digital station operating from a site 10 miles away from Reliant Stadium.

We intend on protecting the above listed facilities by leaving a 250 KHz guard band from a TV station's band edge and a 125 KHz guard band from the off-shore telemetry and Land Mobile stations.

### **Proposed Bandplan**

Proposed frequencies to be used are BOLD, protected frequencies are grey  
Frequencies (MHz)

<u>Start</u>	<u>End</u>	<u>Use</u>	<u>TV Ch</u>
470.0	476.0	KETH-TV, Analog TV Station NOT USED	14
476.0	476.250	Guardband from KETH, NOT Used	15
<b>476.250</b>	<b>477.875</b>	<b>Continuous duty IFB's and repeaters (3 MHz split)</b>	<b>15</b>
477.875	478.0	Guardband from Off-Shore Telemetry, NOT used	15
478.0	479.0	Off-Shore Telemetry, NOT Used	15
479.0	479.125	Guardband from Off-Shore Telemetry, NOT used	15
<b>479.125</b>	<b>479.250</b>	<b>Intermittent duty simplex communications channels</b>	<b>15</b>
<b>479.250</b>	<b>480.875</b>	<b>Intermittent duty repeater inputs</b>	<b>15</b>
480.875	481.0	Guardband from Off-Shore Telemetry, NOT used	15
481.0	482.0	Off-Shore Telemetry, NOT Used	15
482.0	488.0	Land Mobile, NOT Used	16
488.0	494.0	Land Mobile, NOT Used	17
494.0	494.125	Land Mobile Guard Band, NOT used	18
<b>494.125</b>	<b>494.775</b>	<b>Intermittent duty repeaters (Duplex, 5 MHz split)</b>	<b>18</b>
<b>494.775</b>	<b>496.775</b>	<b>Continuous duty telemetry, IFB's, etc)</b>	<b>18</b>
<b>496.775</b>	<b>499.125</b>	<b>Intermittent duty simplex communications channels</b>	<b>18</b>
<b>499.125</b>	<b>499.775</b>	<b>Intermittent duty repeater inputs (Duplex)</b>	<b>18</b>
499.775	500.0	Guardband from KTXH-DT, NOT Used	18
500.0	506.0	KTXH-DT, Digital TV Station NOT USED	19

### **Interference Control and Reporting**

Interference can be reported to the Superbowl Frequency Organization Group through the following methods.

1. Via e-mail to [SB38Frequency@nfl.com](mailto:SB38Frequency@nfl.com). This e-mail address is mirrored to the NFL's Chief Frequency Coordinator, the SBE's Houston Frequency Coordination Committee and the Manager of the NFL Frequency Organization Group.
2. Calling the Superbowl Frequency Coordination Office at 832-214-3050. This number will become active on the afternoon of 1/24/04 and will be published in NFL phone directories as well as in the materials given to the media
3. Contacting the local SBE Coordinator who is also a member of the group.
4. Calling the Phoenix office of the Chief Coordinator at 602-261-6191 and leave a voice message. Any voice message left at this number will page the NFL's Chief Coordinator and the problem can be dealt with immediately.