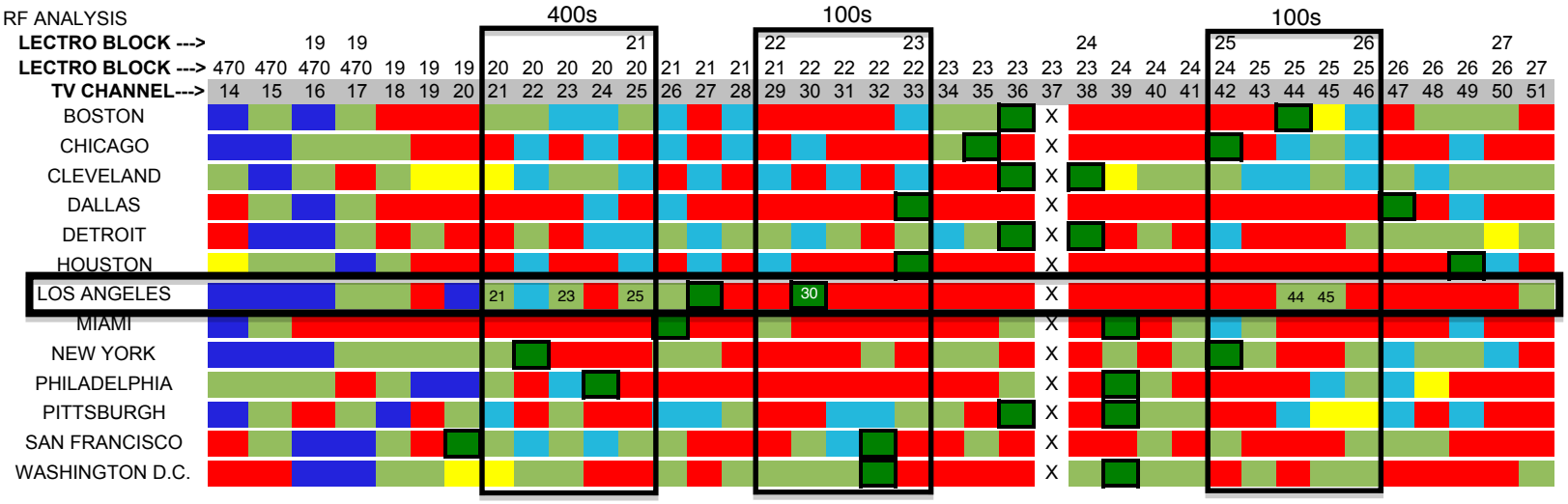
RF ANALYSIS – 13 MAJOR MARKET CITIES



PUBLIC SAFETY
RESERVED FOR WIRELESS MICS (PROTECTED CHANNELS)
RELATIVELY WEAK DTV **AND** NO TVBD'S
MEDIUM TO HI POWER DTV SIGNALS LIKELY– SITE SURVEY RECOMMENDED
FIXED TVBD ALLOWED *You can register your frequencies in the database
PORTABLE TVBD ALLOWED *You can register your frequencies in the database

LECTROSONICS®

Outdoors:

The Dark Green channels are reserved for wireless microphones.
Avoid the DARK BLUE public safety channels (for obvious reasons).
The RED DTV channels are probably unusable unless you are very close to the mics and use directional antennas.
The Light Green channels represent channels where there are DTV signals present and so TVBD's are prohibited.
The signals from these DTV stations are weaker and with judicious use of directional antennas wireless mics could possibly be usable.
The light BLUE channels are listed as usable for portable TVBD's and would be risky if people in the area had TVBD devicds.
The Yellow channels are listed as usable for fixed TVBD's which can be high power. Depending on their radiation patterns it could make the channel unusable.

Indoors:

All of the above apply but it may be possible that the building structure offers enough RF attenuation to make wireless mics usable even on DTV channels.
A site survey would be needed to determine the viability of each DTV and TVBD channel.

Licensed Wireless Microphone Users:

You can register your wireless frequencies in the FCC database.

Unlicensed Wireless Microphone Users:

You can register your wireless frequencies in the FCC database according to the rules but must do so at least 30 days in advance of your event.