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Position Statement

October 27, 2008

Subject: UHF Spectrum changes effective February 17, 2009 and the affect upon the users of TOA UHF Wireless Microphone products.

We understand your concern regarding the changes taking place as a result of the recent FCC auctions, DTV, and other events. This is an issue which many in our industry believe will fundamentally change how we operate wireless microphones in the future. However, it is not all bad news. Not all areas of the UHF spectrum will be affected in the same way. Much of the remaining spectrum unused by DTV stations (called "white spaces") should still be useable. What will mainly concern us (and you) will be the reallocation of the 700MHz band range. Here's some information on what we expect will occur:

- As of February 19, 2009, analog TV will officially be "de-activated", paving the way for (DTV) digital-only TV broadcasts and other services throughout the UHF spectrum.
- New, licensed wireless services will then begin in the 700MHz range, effectively "pushing out" other wireless activity. Also, as a result of a recent pending FCC ruling, it may actually be illegal for any unlicensed wireless device to operate in this range (including wireless microphone systems).
- The frequencies below 698MHz will not be affected by the auction of the 700MHz FCC auction.
- The current TOA UHF Wireless Microphone 4000 Series and 5000 Series products will still be able to operate up to 7 simultaneous channels in the 692-698MHz range (TOA Wireless Microphone Channels 0-6) - provided there is no interference from a DTV station operating on UHF TV channel 51. The current TOA UHF Wireless Microphone Receiver scan feature may be used to determine if this will present any problem.
- Another issue is that the so-called "white spaces" are being threatened by other proposed wireless Internet devices, which may go on line after the Feb '09 date. The hope is that the technology used in these devices will operate cooperatively with other wireless devices (i.e., wireless microphones). This is currently being tested by the FCC and their decision will be based on a successful evaluation of the technology. This affects every wireless manufacturer and users alike. We are all eagerly awaiting the FCC decision which will then allow us and our customers to plan accordingly.
- In order to address the 700MHz issue, TOA plans to begin introduction of wireless microphone systems beginning approximately December, 2008, which will be capable of operating in the white spaces between active DTV channels in the 600MHz band. These systems will be similar to current models, except they will operate on different frequencies. Please check with your authorized TOA reseller or the TOA web site at: <http://www.toaelectronics.com/mic0000.asp> for updates on availability of products with the 600MHz frequency capability.

Thank you for being a loyal TOA customer. Please contact us directly if you have any comments or questions by calling TOA Technical Services – Product Support Group at (800) 733-4748 Option 4, Monday through Friday from 8:00am to 4:30pm PST (West Coast Time Zone) or via email at: support@toaelectronics.com