

To: Director, Clinical/Biomedical Engineering Engineer, Risk Manager, Hospital Administrator, Nursing Home Director
From: WVLT-TV - Knoxville, TN - Gray Television Licensee, LLC
Date: June 15, 2019

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Notice of Channel Change for Digital Television Channels

You are receiving this letter because WVLT-TV will cease operations on its current channel 30 (566 - 572 MHz) and will commence operations on channel 34 (590 - 596 MHz). This may affect reception and retransmission equipment in your facility. Please be sure that everyone responsible for the supervision or maintenance of the biomedical equipment receives a copy of this notification and the attachment regarding the channel change that may begin as early as August 20, 2019.

Under authorization from the Federal Communications Commission (FCC), the station listed above will be broadcasting on a new frequency.

Per the rules of the FCC (DA 17-702), stations are required to make a good faith effort to identify and notify health care facilities (e.g., hospitals, nursing homes, see 47 CFR 15.242(a)(1)) within the service area potentially affected by the DTV operations.

Widelity has been retained by the station listed above to make the required good faith notifications to applicable facilities in their service areas. This letter is to notify health care facilities in the coverage area in the event that any electronic medical devices are affected by the relocation of the transmit locations of the station. Your facility may have electronic biomedical devices that could be impacted by the DTV operations listed on the following pages. The FCC allows certain electronic biomedical devices to use unoccupied DTV frequencies on a secondary use basis. As a result of the secondary use status, your facility is responsible for identifying and resolving any potential radio frequency interference for the operations identified on the following pages.

To address potential interference problems for medical telemetry systems, the FDA recommends that you work with the manufacturer of your telemetry systems to:

- determine the channel/frequencies your telemetry systems use; and
- consult the FCC table of allotments for DTV channels that will be coming on line in your area.

If your telemetry systems are transmitting on channels that are used by a local station, (as identified in the attached sheets) you should work with the manufacturer of your telemetry systems to:

- change your telemetry channels to unused channels prior to the expected broadcast date to avoid interference

If you find that your telemetry systems are transmitting on channels that will remain unused, you should not have a problem due to DTV transmissions. However, you should periodically check the FCC allotments to assure that those channels remain available.

Sincerely
Widelity, Inc.

WVLT-TV, Knoxville, TN, will be changing the frequencies on which it transmits. It will cease operations on its current channel 30 (566 - 572 MHz) and will commence operations on channel 34 (590 - 596 MHz). Per the FCC, this process of change in frequencies from channel 30 to channel 34 may begin as early as August 20, 2019. This change in broadcast channels may affect equipment in your facility. It is possible that certain medical devices in your facility may be affected by the change in operations identified here.

As the guidance from the FDA notes:

Many medical telemetry devices are operated under 47 CFR Part 15 of the FCC regulations. These devices are secondary users of the radio-frequency (RF) spectrum. Licensed users such as television stations are the primary users. As a secondary user, your telemetry devices may be subject to interference from the primary user at any time, but must not cause interference with the primary user. If your telemetry devices are operating on frequencies licensed to a primary user, you need to be aware of the potential for interference and take any steps necessary to avoid device malfunctions due to interference

FDA Recommendations

To address potential interference problems for medical telemetry systems, the FDA recommends that you work with the manufacturer of your telemetry systems to:

- determine the channel/frequencies your telemetry systems use; and
- consult the FCC table of allotments for DTV channels that will be coming on line in your area.

If your telemetry systems are transmitting or receiving on channels that are scheduled to be used by a local station, you should work with the manufacturer of your telemetry systems to:

- change your telemetry channels to unused channels prior to the expected broadcast date to avoid interference

As a general rule, if you find that your telemetry systems are transmitting or receiving on channels that will remain unused, you should not have a problem due to DTV transmissions. However, you should periodically check the FCC allotments to assure that those channels remain available.

WVLT-TV - Knoxville, TN - Gray Television Licensee, LLC

Facility ID: 35908 FCC file Number: 0000025085

Date of Channel change as early as: August 20, 2019.

DTV Channel: 34

Frequency Band: 590 - 596 MHz

Effective radiated power: 1000 kW Horizontal 0 kW Vertical

Antenna Location: 35° 59' 44.4" N (35.995667), 83° 57' 23.1" W (-83.956417) (NAD83)

| | | |
|---------------------------------------|-------|--------|
| Antenna Height Above Average Terrain: | 1809' | 551.5m |
| Antenna Height Above Ground Level: | 1499' | 456.9m |
| Antenna Height Above Mean Sea Level: | 2813' | 857.7m |

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