



Spectrum Management Department  
6 Campus Circle, Suite 500  
Westlake, TX 76262

July 6, 2010

Roy William Mayhugh  
701 Perdew Avenue  
Ridgecrest, CA 93555-2422

Reference: - New 700 MHz commercial wireless network  
- LPTV station K59AO at Inyokern, CA

Dear Mr. Mayhugh:

Verizon Wireless is making plans to deploy a new 700 MHz commercial wireless network in the Bakersfield, California area beginning in January, 2011. We are notifying you of these plans now, because operation of this wireless network will impact the future operation of the referenced adjacent-channel low power TV station ("LPTV") operated by Roy William Mayhugh ("RWM").

Verizon Wireless is the exclusive, primary FCC licensee of 746-757 MHz and 776-787 MHz in California. Your LPTV station operates on TV channel 59 at 740-746 MHz. The attachment lists technical details for our initial deployment plus information about the ten cell sites closest to your LPTV station. The potential for interference is both from our cell site transmitters into your TV viewers and from your TV transmitter into our customers' mobile device receivers.

Verizon Wireless believes that our initial deployment includes cell sites close enough that they may result in mutual harmful interference with your LPTV station. As a secondary licensee, RWM is required by FCC rules to prevent any harmful interference into our network and to accept any interference from us. While RWM will be required to remedy any interference that occurs, these remedies may not represent an effective long term solution. Importantly, Verizon Wireless intends to significantly expand its network with additional cell site locations in the months and years immediately following this initial deployment. As a result, we believe that the best long term solution to avoid interference is for RWM to make plans to vacate the 700 MHz spectrum. Given the obvious impact

of such a displacement, we are notifying you now in order to provide you with ample time to make appropriate plans.

Please let me know what steps you intend to take to address this situation and avoid harmful interference. I can be contacted at the phone number and email address provided below. Thank you for your prompt attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "David R. Mason". The signature is fluid and cursive, with the first name "David" being more prominent.

David R. Mason  
Spectrum Clearing Coordinator  
Verizon Wireless  
6 Campus Circle, Suite 500  
Westlake, TX 76262  
(817) 905-3518  
David.Mason@VerizonWireless.com

Attachment

## Parameters for interference evaluation

700 MHz wireless network & 700 MHz low power TV station

### Primary wireless network information:

- FCC licensee Cellco Partnership (dba Verizon Wireless)
- FCC call sign WQJQ694
- Market name Bakersfield, CA
- Base stations Transmit at 746-756 MHz
- Mobile devices Transmit at 777-787 MHz
- Carrier 10-MHz bandwidth, digital modulation
- Base station power Up to 1640 watts EIRP
- Mobile device power Up to 200 milliwatts EIRP
- Mobile locations Within 15 miles from cell towers

### Secondary low power TV station information:

- FCC licensee Roy William Mayhugh
- FCC call sign K59AO (FCC facility ID 28574)
- Community Inyokern, CA
- Coordinates 35-28-48 latitude, 117-40-59 longitude
- Frequency 740-746 MHz (TV channel 59)

### Data for 10 wireless cell sites closest to LPTV station:

Cell Site Identifier	Cell Site Latitude (decimal degrees)	Cell Site Longitude (decimal degrees)	Cell Site Antenna Height (feet AGL)	Distance to LPTV station (miles)
5-0059-LTE2	35.375792	118.924543	96.0	70.4
5-0056-LTE2	35.303016	118.913710	117.0	70.5
5-0348-LTE2	35.397250	118.930944	74.0	70.6
5-0055-LTE2	35.397458	118.954543	90.0	72.0
5-0076-LTE2	35.392722	118.975722	68.0	73.2
5-0347-LTE2	35.370514	118.975100	98.0	73.3
5-0318-LTE2	35.339682	118.981212	97.0	73.9
5-0340-LTE2	35.396625	119.003989	82.0	74.7
5-0088-LTE2	35.436028	119.011611	78.0	75.0
5-0336-LTE2	35.374959	119.016768	116.0	75.6