

Email Correspondence  
K14TG-D Testing

**From:** K14TG-D Monterey, CA UHF Channel 14 <kdtSLD@gmail.com@ccsend.com>

**Sent:** Tuesday, October 5, 2021 3:38 PM

**To:** Keith Leitch <keith@leitch.tv>

**Subject:** Monterey Region LMR Licensees & Operators - K14TG-D Channel 14 Testing - Tuesday October 12th



To: Land Mobile Radio Licensees and Operators in the Monterey Bay Region

You are receiving this message because you have been identified as the point of contact for your organization with respect to testing by K14TG-D, Monterey, CA.

K14TG-D holds a construction permit from the Federal Communications Commission to build a Channel 14 facility. Channel 14 is immediately adjacent to the upper end of the 450 – 470 MHz Land Mobile Radio (LMR) band, and there is no guard band between the two allocations to help reduce interference. Therefore, prior to beginning to regularly operate its transmitter on Channel 14, K14TG-D is conducting tests to allow you to determine whether any interference is caused by the K14TG-D Channel 14 signals. If there is interference, K14TG-D will work with you to eliminate that interference.

The permitted maximum effective radiated power of K14TG-D is 630 watts. A single horizontal log periodic antenna from atop Hidden Hills is oriented at 340 degrees toward Monterey. The coverage area includes Monterey, Seaside, Castroville, Watsonville, and Santa Cruz (as shown in the coverage map above).

Testing is planned to start Tuesday October 12th at 9 AM continuing through Friday October 15th. K14TG-D is planned to be on the air each day for an hour from 9AM to 10AM. The schedule may be changed or extended depending on whether interference is found, what type it is, and how extensive it is. Our objective is to provide as much opportunity as possible for you to check for interference.

While we are running the tests, we invite and encourage you to contact us with information about what you experience and any questions that you have. You can reach us at [KDTSLD@gmail.com](mailto:KDTSLD@gmail.com). Our intention is to acknowledge your communications quickly and then to reply more extensively later, as time permits. We ask that you tell us:

- Whether you participated in the test, found no interference, and are finished with your testing

- Whether you participated in the test and experienced no interference so far but have not finished your testing
- Whether you have not yet participated in the test but plan to do so
- Whether you have not participated in the test and have no plans to do so
- Whether you have experienced interference and are finished with your testing, and, if so, what the interference severity was (please see below for how to describe this)
- Whether you have experienced interference but have not finished your testing, and, if so, what the worst interference severity has been, so far (please see below for how to describe this)

If you have experienced interference, some ways you can characterize it are:

- Communications range is reduced at a single site when Channel 14 is on the air
- Communications range is reduced at ## of ## sites when Channel 14 is on the air; the other sites experience no interference
- Communications range is reduced at ## of ## sites when Channel 14 is on the air; the other sites remain to be tested
- Communications become noisy at a single site when Channel 14 is on the air
- Communications become noisy at ## of ## sites when Channel 14 is on the air; the other sites experience no interference
- Communications become noisy at ## of ## sites when Channel 14 is on the air; the other sites remain to be tested
- Communications are totally disrupted at a single site when Channel 14 is on the air
- Communications are totally disrupted at ## of ## sites when Channel 14 is on the air; the other sites experience no interference
- Communications are totally disrupted at ## of ## sites when Channel 14 is on the air; the other sites remain to be tested

We appreciate your taking the time to work with us to help determine whether operation by K14TG-D on Channel 14 will have any impact on your ability to communicate. Once we have completed the testing, we will reach out to any of you who have experienced interference to determine the sort of equipment you are using and to develop remediation plans to eliminate that interference. In the meantime, should you have questions about testing for interference or other matters related to the move of K14TG-D to Channel 14, please reach out to us at [KDTSLD@gmail.com](mailto:KDTSLD@gmail.com).

Kind Regards,

Keith Leitch  
President and Engineer  
One Ministries, Inc.  
P.O. Box 1118  
Santa Rosa, CA 95402

+1 707 479 9428 Phone  
[keith@leitch.tv](mailto:keith@leitch.tv)

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Keith Leitch, Engineer | 707-479-9428, P.O. Box 1118, Santa Rosa, CA 95402-1118

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Sent by [kdtsld@gmail.com](mailto:kdtsld@gmail.com) powered by

**From:** Keith Leitch <keith@leitch.tv>  
**Sent:** Tuesday, October 5, 2021 4:29 PM  
**To:** cthomas@fisherwireless.com <cthomas@fisherwireless.com>  
**Cc:** bart@fisherwireless.com <bart@fisherwireless.com>  
**Subject:** Testing of K14TG-D in Monterey next week

Hello Cyrus,

Thank you for all of your help in the past. I hope all is well with you. I will be testing a small 630 watt ERP Channel 14 station in Monterey next week. Please let me know if you have any concerns or if there is anything that I can do to accommodate your needs. The station broadcasts from Hidden Hills.



Best Regards,  
Keith Leitch  
President and Engineer, One Ministries, Inc.  
707-479-9428

**From:** Keith Leitch <keith@leitch.tv>

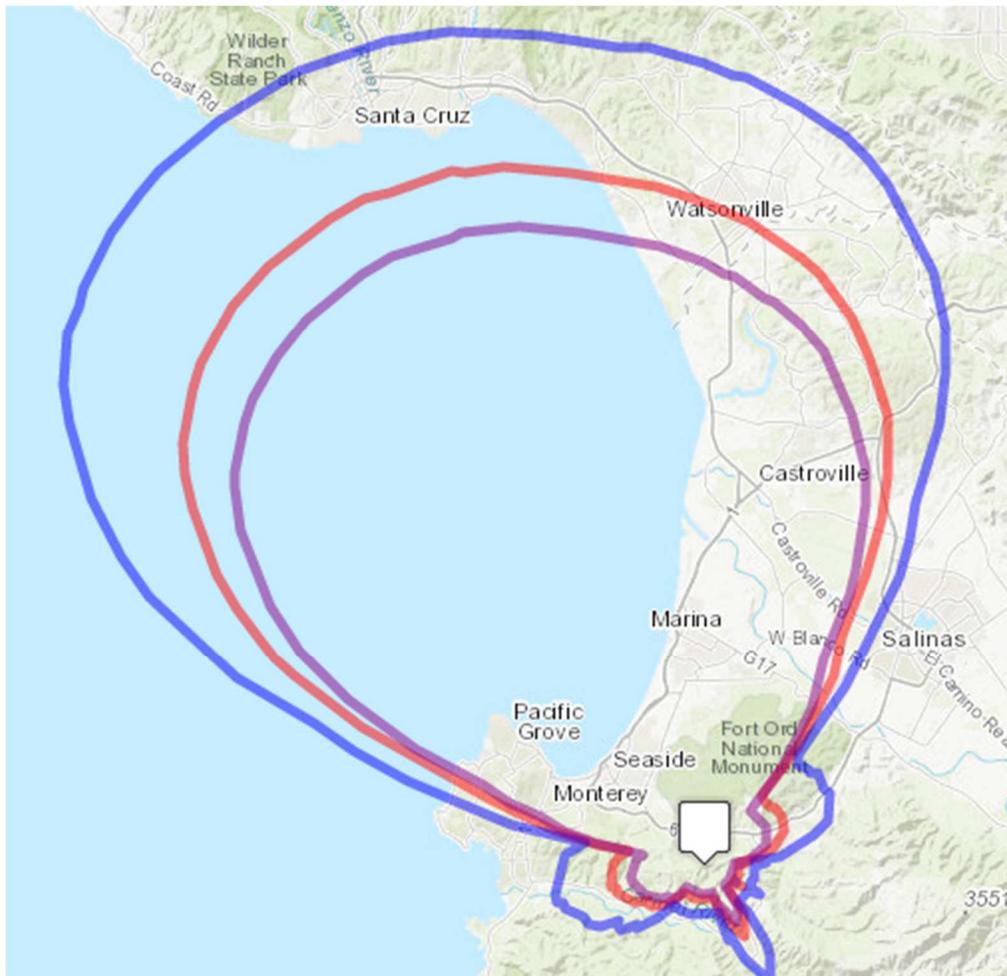
**Sent:** Tuesday, October 5, 2021 4:33 PM

**To:** ken@rfcwireless.com [ken@rfcwireless.com](mailto:ken@rfcwireless.com), roger@rfcwireless.com <roger@rfcwireless.com>

**Subject:** Testing of K14TG-D in Monterey next week

Hello Ken,

Thank you for all of your help in the past. I hope all is well with you. I will be testing a small 630 watt ERP Channel 14 station in Monterey next week. Please let me know if you have any concerns or if there is anything that I can do to accommodate your needs. The station broadcasts from Hidden Hills. I am not sure how much you guys operate in the Monterey area, but since we worked together in the past for KDTS-LD, I wanted to let you know of the upcoming testing.

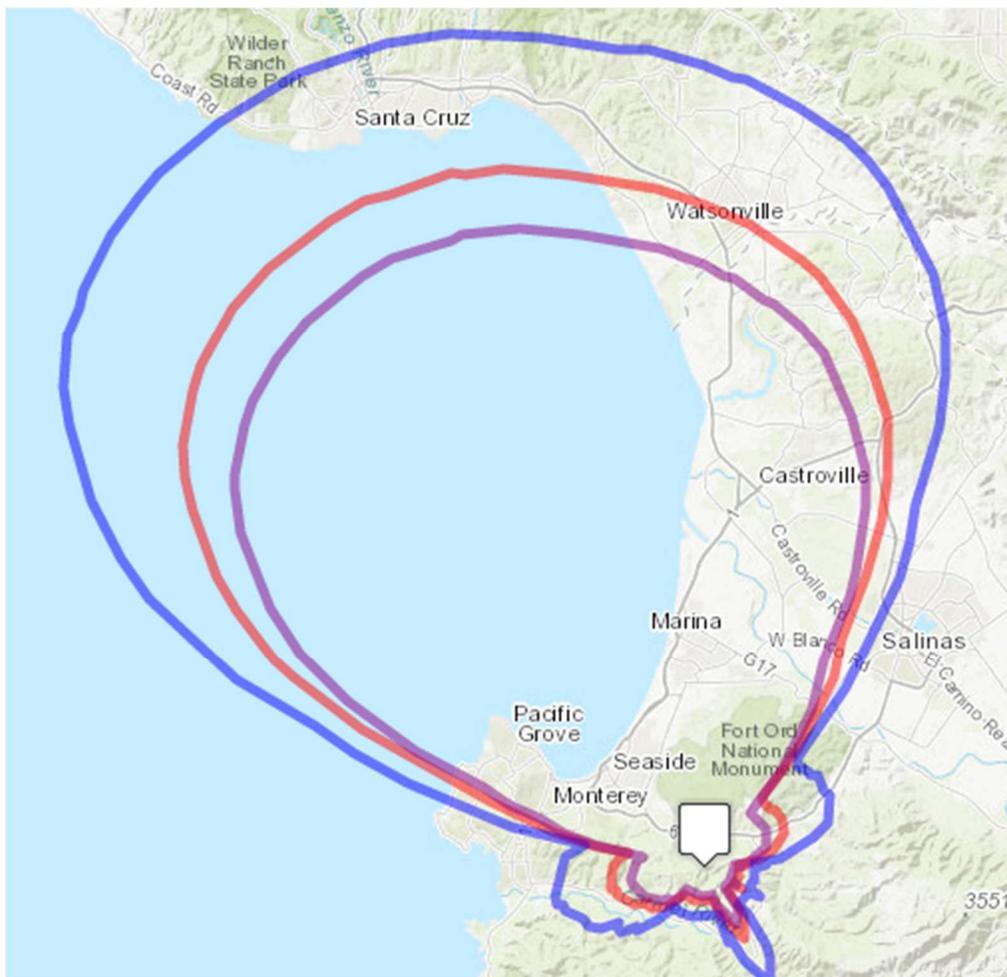


Best Regards,  
Keith Leitch  
President and Engineer, One Ministries, Inc.  
707-479-9428

**From:** Keith Leitch <keith@leitch.tv>  
**Sent:** Tuesday, October 5, 2021 4:37 PM  
**To:** Raul Velez <raulv@sutrotower.com>  
**Cc:** dave.thompson@daystar.com <dave.thompson@daystar.com>  
**Subject:** Testing of K14TG-D in Monterey next week

Hello Raul,

Thanks for all of your help! I will be testing a small 630-watt ERP Channel 14 station in Monterey next week for One Ministries, Inc.. I have sent out an email notification. Just in case anyone contacts you, since there is also the channel 14 on Sutro, I thought I should let you know. I also emailed Cyrus directly at Fisher Wireless to let him know.



Best Regards,  
Keith Leitch  
President and Engineer, One Ministries, Inc.  
707-479-9428

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**From:** Juan Ramirez <juanmramirez@comcast.net>  
**Sent:** Wednesday, October 13, 2021 4:34 PM  
**To:** Keith Leitch <keith@leitch.tv>; Bart Fisher <bart@fisherwireless.com>; Cyrus Thomas <cthomas@fisherwireless.com>  
**Cc:** Juan Ramirez <jramirez@fisherwireless.com>; Liz Sachs <lsachs@fcclaw.com>  
**Subject:** Testing for K14TG-D in Monterey

Hello Keith,

With the current antenna pattern and power levels, we are not seeing any interference at Toro, however I would like to test Fremont and Loma next week for possible interference.



Keith Leitch  
Wed 10/13/2021 4:39 PM



To: Juan Ramirez <juanmramirez@comcast.net> +2 others  
Cc: Juan Ramirez <jramirez@fisherwireless.com>; Liz Sachs <lsachs@fcclaw.com>

Hi Juan,

Thank you! It makes sense to test both Fremont and Loma Prieta. I am available this week and next week to turn on the transmitter for K14TG-D when you go to Fremont Peak and Loma Prieta to perform your testing.

Best Regards,  
Keith Leitch  
President and Engineer, One Ministries, Inc.  
707-479-9428



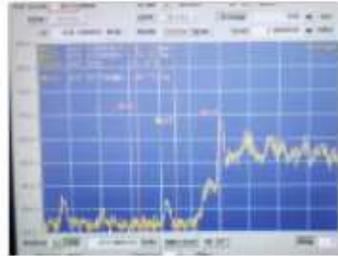
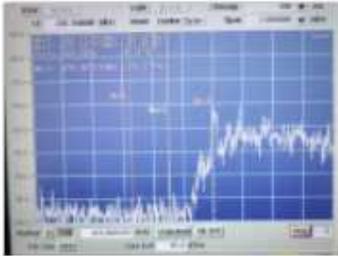
Juan Ramirez <jramirez@fisherwireless.com>

Wed 10/20/2021 12:07 PM



To: Keith Leitch; 'Bart Fisher' <bart@fisherwireless.com> +1 other

Cc: 'Liz Sachs' <lsachs@fcclaw.com>



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Hello Keith,

I see no interference at Grizzly



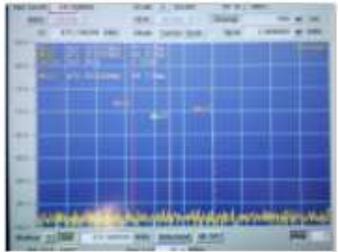
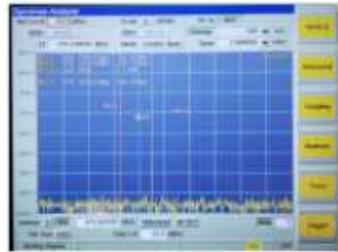
Juan Ramirez <jramirez@fisherwireless.com>

Tue 10/19/2021 1:49 PM



To: Keith Leitch; 'Bart Fisher' <bart@fisherwireless.com> +1 other

Cc: 'Liz Sachs' <lsachs@fcclaw.com>



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Hello Keith,

I see no interference at Fremont.



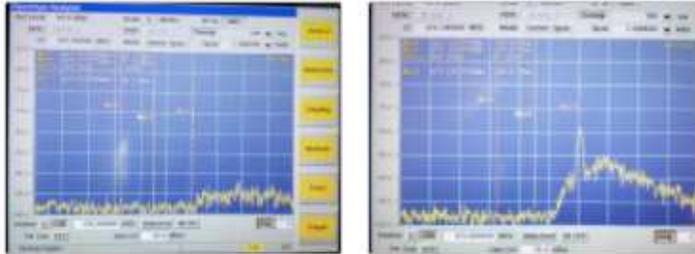
Juan Ramirez <jramirez@fisherwireless.com>

Mon 10/18/2021 2:50 PM



To: 'Juan Ramirez' <jramirez@fisherwireless.com>; Keith Leitch +2 others

Cc: 'Liz Sachs' <lsachs@fcclaw.com>



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Hello Keith,

Here are my findings, I see no interference at Loma from Monterey and Sutro is also showing no interference.

--

**From:** dlsteinbach <dlsteinbach@comcast.net>

**Sent:** Tuesday, October 19, 2021 1:15 PM

**To:** Keith Leitch <keith@leitch.tv>; Keith Leitch <kdtstld@gmail.com>

**Cc:** Brent Hailpern <brent.hailpern@gmail.com>; Charles Rader <charles\_rader@hotmail.com>; Jack Griswold <grismo@pacbell.net>; Jeff Walker N6ADE <jjw408@pacbell.net>; Morris Jones <ad6zh.mj@gmail.com>; Peter Melhus AA6PM <peterjmelhus@gmail.com>; Steven Wong <stevenwong169@gmail.com>

**Subject:** Re: K14TG-D Channel 14 testing

H Keith,

That being the case, our testing did not find any interference from K14TG-D.

Don -

----- Original Message -----

**From:** Keith Leitch <keith@leitch.tv>

**To:** dlsteinbach <dlsteinbach@comcast.net>, Keith Leitch <kdtstld@gmail.com>

**Cc:** Brent Hailpern <brent.hailpern@gmail.com>, Charles Rader <charles\_rader@hotmail.com>, Jack Griswold <grismo@pacbell.net>, Jeff Walker N6ADE <jjw408@pacbell.net>, Morris Jones <ad6zh.mj@gmail.com>, Peter Melhus AA6PM <peterjmelhus@gmail.com>, Steven Wong <stevenwong169@gmail.com>

**Sent:** 10/19/2021 2:08:32 PM

**Subject:** Re: K14TG-D Channel 14 testing

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Hi Don,

Thank you for the report. K14TG-D operated on October 12th to 15th at 9AM to 10AM. We did not turn off at 9:20 AM on October 12th.

Best Regards,  
Keith Leitch  
President and Engineer, One Ministries, Inc.  
707-479-9428

**From:** dlsteinbach <dlsteinbach@comcast.net>  
**Sent:** Tuesday, October 19, 2021 12:51 PM  
**To:** Keith Leitch <kdtslid@gmail.com>  
**Cc:** Brent Hailpern <brent.hailpern@gmail.com>; Charles Rader <charles\_rader@hotmail.com>; Jack Griswold <grismo@pacbell.net>; Jeff Walker N6ADE <jjw408@pacbell.net>; Morris Jones <ad6zh.mj@gmail.com>; Peter Melhus AA6PM <peterjmelhus@gmail.com>; Steven Wong <stevenwong169@gmail.com>  
**Subject:** K14TG-D Channel 14 testing

Hi Keith,

We (Saratoga CERT) participated in the test on October 12-15 2021.

No interference from K14TG was detected, with one possible exception:

On October 12, a strong signal was detected from 0900 to 0920 and was not heard after 0920.

If you were transmitting from 0900 to 0920 and stopped at 0920, that may have been you.

Regards,  
Don Steinbach

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Correspondence with Monterey Bay Aquarium below.

They sent an email response and then we followed up via phone on Friday October 15<sup>th</sup> confirming that the source of their interference was not for K14TG-D.

**Keith Leitch**

Thu, Oct 14, 4:03 PM  
(12 days ago)

to Ron, KDTSLD@gmail.com

Hi Ron,

I have been turning on K14TG-D from 9AM to 10AM Tuesday - Friday this week. Have you seen the emissions during that time or other times?

I have been turning on the transmitter and broadcasting color bars as a test signal.

Best Regards,  
Keith Leitch  
707-479-9428

**Ron Thompson <[ronthompson@csumb.edu](mailto:ronthompson@csumb.edu)>**

Oct 14, 2021, 3:59 PM  
(12 days ago)

to KDTSLD

Hi, we are trying to determine if you are testing as stated this week, we have seen some out of band emissions on our repeater antenna. The repeater input frequency is 469.8375 so it's very likely that this could be from your transmission if you are transmitting. Are you putting out a video test signal or what? I scanned a television this morning attempting to see it and came up with nothing. Please clarify, thank you.

--

**Ron Thompson**  
**Broadcast/Web Engineer**  
**CSU Monterey Bay**  
**831-582-3816**

--

**[nokones@kenmitchell.com](mailto:nokones@kenmitchell.com)**

Wed, Oct 6,  
3:37 AM

to me

I have no plans to participate in the test nor do I need to.

FCC License Number: WPMQ975

--

Kenneth Allan Mitchell  
[nokones@kenmitchell.com](mailto:nokones@kenmitchell.com)

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Additionally, TV enthusiast, Keith Trinity WE6R, requested that I test for him on Tuesday October 12 at 6:40 PM. His home is in Santa Cruz which is outside of the contour area of K14TG-D. He reported seeing the signal to confirm that the transmitter was working.