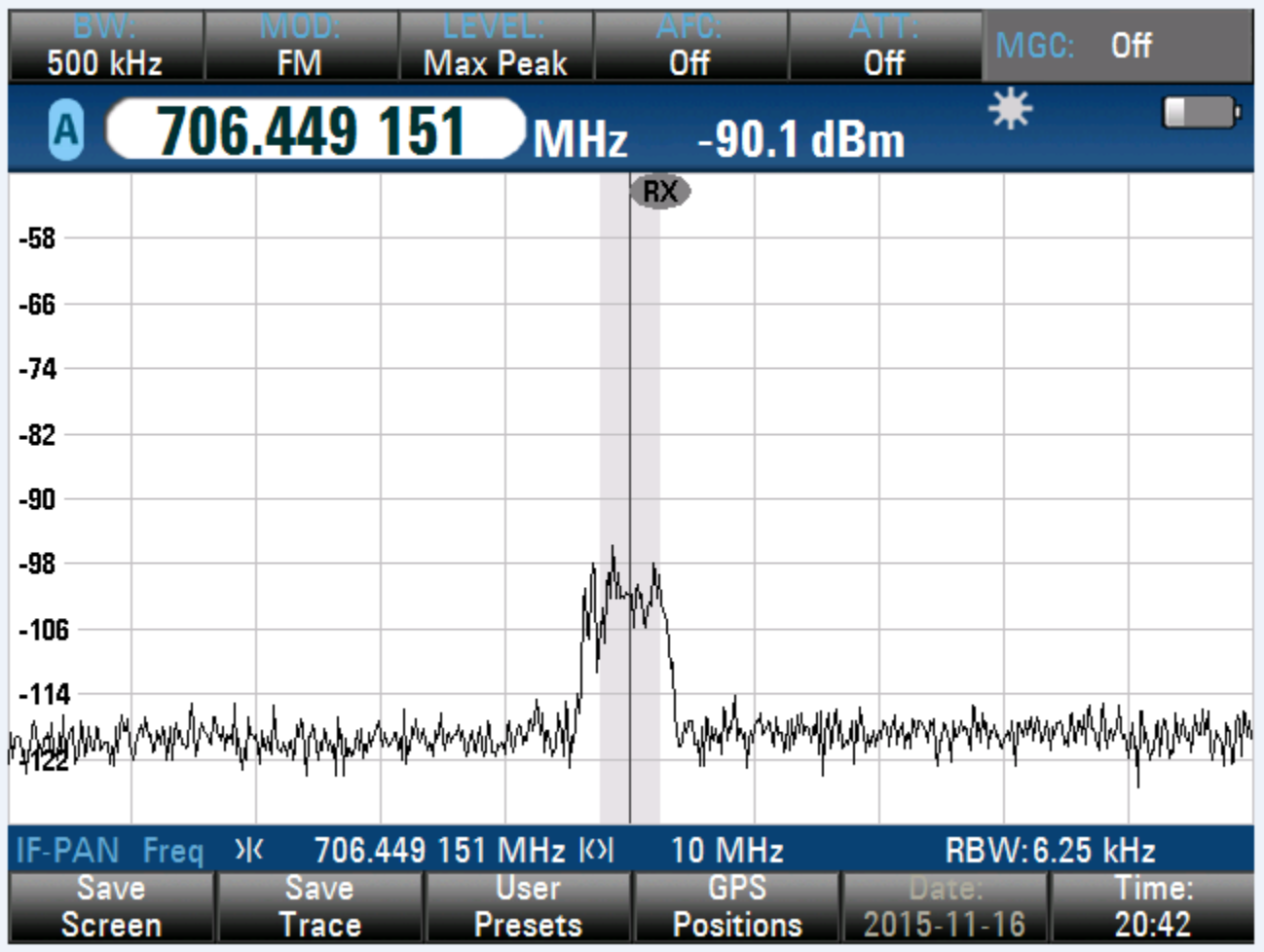
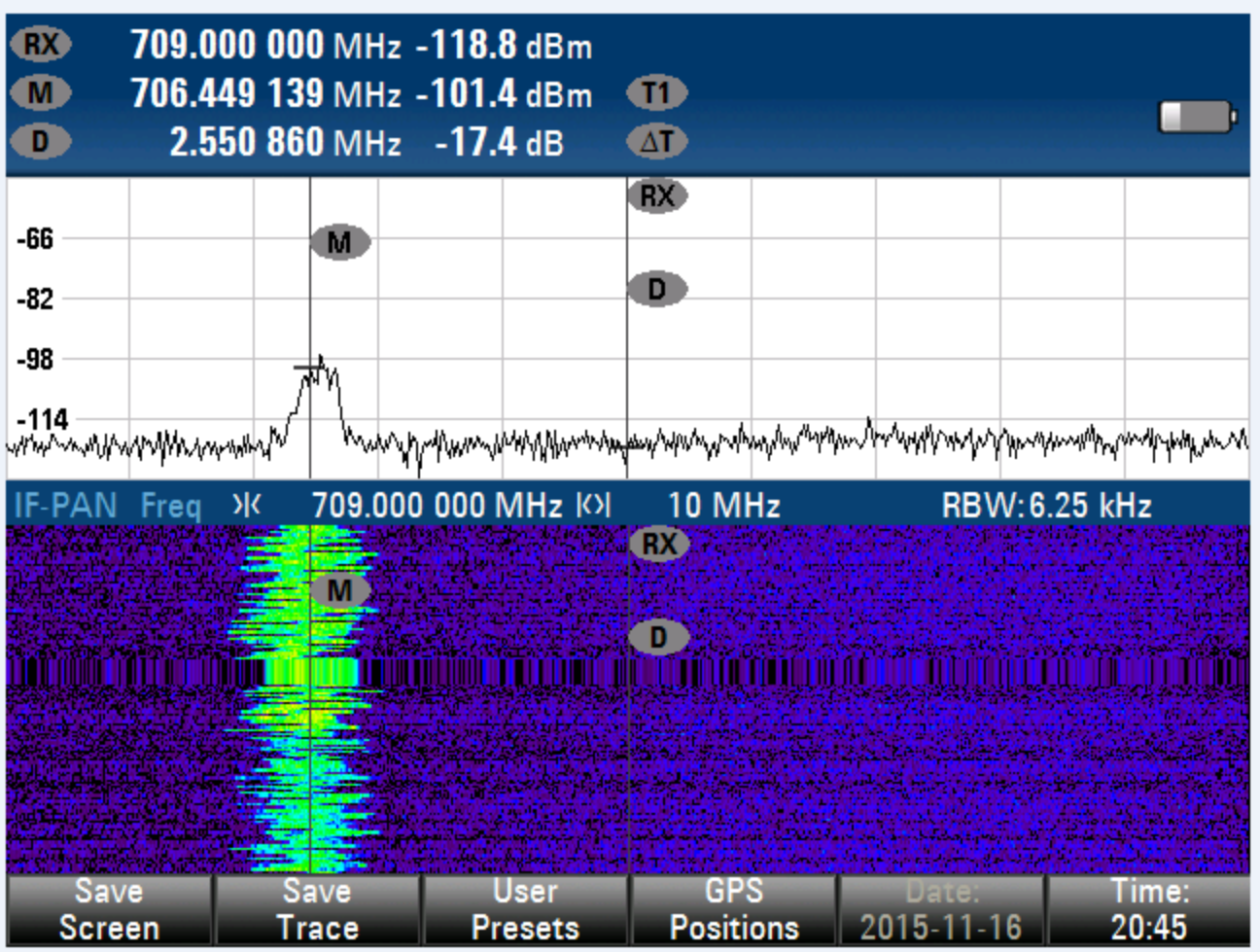
Email Correspondents regarding harmonic interference 2015. (Name of AT&T employee deleted, see GM's emails for name and information.)
Hi Peter,

Thanks for working with me today. As discussed, looks like 88.3 FM's 8th harmonic centered at 706. 449 MHz is interfering inside AT&T's uplink (subscribers to base station) 4G-LTE frequency band of 704-714 MHz. I also believe that the close proximity of our antennas is also one of the factors. Hope you can assist us on this issue. Below are screenshots of my spectrum receiver pointing the yagi to the tower and related image. I also attached AT&T's informational letter to suspected sources of wireless interference.




RX
709.000 000 MHz -118.8 dBm
M
706.449 139 MHz -101.4 dBm
T1
D
2.550 860 MHz -17.4 dB
ΔT
RX
-66
M
-82
D
-98
-114
IF-PAN Freq
709.000 000 MHz
10 MHz
RBW:6.25 kHz
RX
M
D
Save Screen
Save Trace
User Presets
GPS Positions
Date: 2015-11-16
Time: 20:45

Thanks.

RF Maintenance Engineer
AT&T
930 National Pkwy
Schaumburg, IL 60173
E:
T:

Thanks Peter. Kindly keep me posted and hope that this will be resolved as soon as possible.

Regards,

RF Maintenance Engineer
AT&T
930 National Pkwy
Schaumburg, IL 60173

From: Kreten, Peter H. [mailto:pkreten@sxu.edu]
Sent: Sunday, November 22, 2015 7:23 AM
To:
Subject: Re: 88.3 FM Wireless Interference to AT&T

Hi Ken,
My engineer and I are scheduling to have a transmitter specialist to come out and take a look at the transmitter. We are waiting to hear back from the specialist.

Pete

Sent from my iPhone

On Nov 19, 2015, at 8:01 AM, , KENNETH < > wrote:

Good Morning Peter,

Just checking for any updates about this issue. Like what I mentioned when we spoke last time, possible solutions could be adding an 8th harmonic filter at your system, check hardware, power adjustment or worst case is relocating the antenna. Let me know if I can be of assistance. I'm also available to meet up with your engineer at the tower if needed. Thanks again for your support.

RF Maintenance Engineer
AT&T
930 National Pkwy
Schaumburg, IL 60173
<image003.jpg>