

Shaun Maher

From: Mark Colombo
Sent: Thursday, November 14, 2019 7:34 AM
To: 'Benjamin Perez'
Subject: RE: Return of WIIC-LD to the air at half power

Good morning,

I don't think channel 8 will be a feasible option for you. WWCP's coverage completely encloses Pittsburgh on that channel; a very fast test of WIIC-LD with 3 kW ND on channel 8 shows interference of 38% into WWCP. (And 10% to WTRF, and 4% to WTOV.) To get that under 0.5% with respect to WWCP, it looks like ERP would have to be extremely close to 0—more so than the current 31 operation.

Unhelpful though it may be, I will point out that WQED was assigned to channel 2 but relocated to channel 4 before constructing. Channel 2 looks okay at 3 kW ND at first glance, notwithstanding the known problems with low-VHF. Any other channel would require a more careful analysis that I won't be able to help with.

Mark

From: Benjamin Perez <ben@abacustelelevision.com>
Sent: Wednesday, November 13, 2019 6:38 PM
To: Mark Colombo <Mark.Colombo@fcc.gov>
Subject: Re: Return of WIIC-LD to the air at half power

Mark,

Thank you for getting back to me re: WIIC-LD, Pittsburgh, PA (UHF 31).

Obviously, operation on channel 31 at 30 Watts is not useful to me since I am located in the middle of a large city (TV market # 25), which stretches approximately 40 miles in every direction.

My consulting engineer of many years, Dr, Byron St. Clair, recently died, so I am without outside help at the moment. That's why I asked Hossein for help picking a new channel.

As far as what I am looking for, from my existing tower and RCAMSL, I would like to cover as much of my old (15 kW omni-directional) coverage area as possible. Since Pittsburgh is a spectrally crowded market, it would be a miracle for me to find a displacement channel that good.

There is one small thing I would really appreciate you doing for me, if you have the time. Would you run a TVStudy of channel 8 from my existing tower and RCAMSL, at three kW omni-directional and email me a file with the results (or just the summary results). I could calculate any adjustments needed by hand and then file a displacement application on that channel.

Whether this can be done or not, I give you my sincere thanks and wish you a happy holiday season.

Ben Perez/Abacus Television/202 841 4104

p.s: ASR 1022324
40-26-46.0 N
79-57-50.0 W
457.1 m RCAMSL

From: Mark Colombo <Mark.Colombo@fcc.gov>
Sent: Friday, November 8, 2019 6:35 AM
To: Benjamin Perez <ben@abacustelelevision.com>
Cc: Hossein Hashemzadeh <Hossein.Hashemzadeh@fcc.gov>
Subject: RE: Return of WIIC-LD to the air at half power

Ben,

Hossein asked me to follow up with you. I apologize for the delay.

Per my analysis, I found that in order to remain on channel 31 with your current facility, WIIC-LD would have to reduce power to something in the neighborhood of 0.03 kW in order to get beneath 0.5% interference to WYTV. At the 7.5 kW level, I found interference in excess of 2%, let alone the 0.5% standard required for protection of full-power stations.

I cannot advise you on any specific channels, as I do not know what your goals are and what would be acceptable to you. I would encourage you to either evaluate various channels with TVStudy or, if you have a consulting engineer, have the consulting engineer evaluate those various channels for you.

Mark

From: Benjamin Perez <ben@abacustelelevision.com>
Sent: Wednesday, October 16, 2019 7:11 PM
To: Hossein Hashemzadeh <Hossein.Hashemzadeh@fcc.gov>
Subject: Return of WIIC-LD to the air at half power

Hossein,

When we spoke about two weeks ago you suggested I try operating WIIC at 50% authorized power to see if that was enough of a reduction to eliminate the interference problem that came up when channel 31 Youngstown upgraded its ERP. In response I immediately went to my transmitter site and attempted to lower my TPO, but in the process I burned up my output filter. After troubleshooting confirmed that my output filter was fried I removed it and sent it to SWR for repair.

Today the repaired output filter was returned to me in Pittsburgh. We installed the repaired filter and successfully activated the transmitter at 50% authorized TPO (which puts me at 50% authorized ERP). As a result at approximately 6:15pm, 10/16/2019 WIIC-LD returned to the air on channel 31 with a TPO of 914 watts and an ERP 7.5 kW. I believe the next step is to wait and see if there are any further complaints by this facility to channel 31 Youngstown.

You had mentioned we last talked that you would have one of your staff engineers evaluate the situation to see both whether it appeared that channel 31 was still a viable channel in Pittsburgh and whether there were any other channels I could move to that would serve me better than channel 31. I would like to talk to you about what your staff engineer found when he examined my situation.

Many thanks,
Ben/Abacus TV
202 841-4104