

AT&T's Follow-up in 2017 (Conversation continued with Anthony Campbell, Vice-President for Student Affairs. Speak with Campbell to see conclusion conversations.

Anthony Campbell
Vice-President for Student Affairs
Saint Xavier University
Email: Campbell@sxu.edu
Phone: 773.298.3121)

Hi Peter,

I have attached another powerpoint file showing another option for your engineer to suppress the FM harmonics causing interference to AT&T. This came from another FM station and they installed one of their spare low pass harmonic filters along the line between their transmitter and antenna.

Thanks again for the help.

From: , KENNETH
Sent: Tuesday, August 29, 2017 11:59 AM
To: 'Kreten, Peter H.' <pkreten@sxu.edu>
Subject: RE: WXAV Harmonic Causing Interference to AT&T Cell Tower

Thanks!

From: Kreten, Peter H. [<mailto:pkreten@sxu.edu>]
Sent: Tuesday, August 29, 2017 9:10 AM
To: , KENNETH
Subject: RE: WXAV Harmonic Causing Interference to AT&T Cell Tower

Hi Ken,

Thank you very much for the email. I've forwarded this email onto my supervisors and WXAV's engineer's to see how they would like to proceed. I will keep you posted.

Pete

Hi Peter,

Hope you're doing well and still remember me who worked with you last 2015 about your FM transmitter at Xavier University causing interference to our colocated AT&T cell tower. Based from the report you gave me last 2015, there is some apparent 8th harmonic (706.4 MHz) leakage at your transmitter chassis

which is causing the problem. The suggestion for AT&T to install shielding at your transmitter chassis isn't really feasible with us as it involves cost. So AT&T searched for other solutions while still operating our cell tower with lower service quality due to the interference.

Recently, we made some breakthrough by working with another FM radio station in California which is also causing interference to us. The manufacturer of their FM transmitter is Continental Electronics. The engineer at the said FM station tuned their tube transmitter that reduced the harmonic significantly and eventually removed the interference coming from their transmitter chassis.

I have attached the report you submitted to me before and the powerpoint procedure to tune your tube transmitter just like what the other FM radio station did. Requesting if you could help us again by reaching out to your engineer/specialist to give this is a shot. My specialty is not into FM station equipment but I can meet at your facility again if needed to do interference measurements while you do the adjustments. Thanks for your time and hope to hear back from you.

Sr. Specialist RAN Engineer - RFME

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930 National Parkway, Schaumburg, IL 60173
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