

Wenping Ying

From: Wenping Ying
Sent: Monday, September 13, 2021 1:58 PM
To: MonteP@salemradioseattle.com
Subject: Coordination of Salem Communication's FSS in Seattle and HTC Private5G low power radio in 3.7-3.8GHz
Attachments: OET Special Temporary Authority Report 08262021.pdf; 3.7-3.8GHz STA interference analysis-Lumen Field.pdf

Hi Monte,

HTC is in the process of applying for a Special Temporary Authority (STA) license from FCC to operate HTC Private 5G radio in 3.7-3.8GHz from 10/1/2021 to 10/30/2021.

As the condition for the STA grant, FCC has requested that HTC shall coordinate with Salem Media (formerly Inspiration Media) to avoid generating interference to your existing FSS operation.

Specifically there is one entry covered by this request from FCC –

ApplicantName	Callsign	Class Of Earth	Site State	Site Zip
Station SiteStreet1		SiteCity		
Inspiration Media, Inc.	E181418	FES		705 5th Ave, South, Suite
350 SEATTLE	WA	98104		

To give you some background of this application and operation mode of the HTC Private 5G radio, I have attached both the STA application and the interference analysis HTC submitted to FCC for your reference.

In summary, HTC will operate the private 5G radio in 3.7-3.8GHz from the Lumen Field (Club Suite 23) in downtown Seattle that is 380M away from your FSS locations. The radio transmit power will be limited to 10dBm since this radio is used to serve an area of 10M x 10M square only (usually it will be much less than 10dBm). We will also control the Tx power such that the RSRP will be less than -125dBm measured at the perimeter of the Lumen Field, including the attenuation from concrete building walls and dividers etc.

With this provisioning in place, the radio signal RSRP will be less than -220 dBm when it reaches your FFS site at 705 5TH AVENUE S (the free space loss is about 95 dB for 3.7GHz with distance of 380M).

I hope this provisioning will be acceptable to you. If not, I would greatly appreciate it if you could let us know any concerns you might have or any specific request that HTC should follow to minimize the impact to your FSS operation.

Forward we go.

-wp

Wenping Ying Ph.D.
Executive Director, Technology Strategy
HTC Operator Solutions
Cell: +1 425 985 4981
Email: wenping_ying@htc.com

