

From: Jason Hruban

To: Leann Nguyen

Date: February 13, 2017

Subject: Request for Info - File # 0076-EX-ST-2017

Message:

Here is the information that you requested with regards to this application. Thank you.

-What is the maximum antenna height above ground level for each fixed station? This information has been updated into the application.

- What are the antenna gains and beamwidth of each fixed station? 11 dBi, omni-directional (360)

- What is the direction of each antenna pointing (azimuth and elevation angle)? Omni-directional (360), elevation 0

- Will the fixed antenna be down tilted? If yes, what is the tilt angle? No

-Does the experimental transmitter use filtering and if so what is the filter roll-off (in dB per decade)?

The answer is focusing on the product's conformance tests with the FCC requirements.

	F MHz	P_tx dBm	-20MHz dBm/MHz	-10MHz dBm/MHz	-0MHz dBm/MHz	+0MHz dBm/MHz	+10MHz dBm/MHz	+20MHz dBm/MHz
Upper Limit -43			-43	-28	-16	-16	-28	
CBRS Low	3560	25.1	-47.45	-42.44	-31.38	-29.83	-40.24	-45.95
CBRS High	3690	25	-46.41	-42.08	-30.87	-30.64	-41.86	-46.52

-What mitigation technique will the transmitter use to avoid interference?

The current status is that Airspan conducted IOT with FW- with the following results.

1. Successful operation of TLS mutual authentication between CBSD and SAS was tested and passed

2. Successful operation CBSD registration procedure was tested and passed

3. Successful operation CBSD spectrum inquiry procedure was tested and passed

4. Successful operation CBSD registration procedure was tested and passed

5. Successful operation CBSD grant procedure was tested and passed

The protocol which was tested is not the latest, as it has undergone some modifications during the last few months.

Airspan is intending to support the new standard in the upcoming release RS15.5.