

To: James Lewellen
E-Mail: 281onsite@gmail.com
From: Leann Nguyen
Date: November 22, 2021

Subject: Request for Info - File # 0914-EX-CN-2021

Message:

1 Please provide the size (meter), antenna gain (dBi) of the Mimosa A5 (4 units) , Mimosa A5c (7 units), Mimosa C5x (64 units), Mimosa C5c (40 units), Mimosa C5 (58 units) antennas.

*Please note: Operation must not exceed 6 dBi (Gain) antenna, the conducted power/output power, and maximum EIRP limits of the Unlicensed Use of the 6 GHz Band, 35 FCC Rcd 3852, 3853 (2020), including footnote 34. In addition, If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

2. Please clarify that Mimosa A5, Mimosa A5c antennas are located at fixed towers.

3. Please clarify that Mimosa C5x, Mimosa C5c, Mimosa C5 antennas are remote antennas. If yes, please amend the station class in FCC Form 442 to include these remote antennas as MO station class and the associated technical parameters.

4. Please clarify and confirm that if any proposed Mimosa A5, Mimosa A5c, Mimosa C5x, Mimosa C5c, Mimosa C5 antennas will operate at any elevation angle of more than 30 degrees above the horizon.

*Please note: For conducting outdoor tests in the 5.925-6.425 GHz (U-NII-5) and 6.525-6.875 GHz (U-NII-7) frequency bands, the maximum EIRP from a Standard-Power Access Point (AFC Controlled) and fixed client device must not exceed 125 mW (21 dBm) at any elevation angle of more than 30 degrees above the horizon to protect satellite receivers.

5. Please confirm that the test is conduct at outdoor.

6. Please clarify and confirm the UNII-5 antenna (which antenna?) at fixed tower will be used as outdoor standard power access points (AFC Controlled) and fixed client device:

*Please note : For operation in the 5925-6425 MHz (U-NII-5) frequency band, the maximum output power from the outdoor standard power access points (AFC Controlled) and fixed client device must not exceed 1 watt (30 dBm) into a 6 dBi (Gain) antenna for a total of 36 dBm EIRP (36 dBm EIRP = 4 watt EIRP = 6 dBW EIRP = 2.43W ERP). In addition, the maximum power spectral density shall not exceed 23 dBm (200mW) in any 1-megahertz band:

Antenna Gain	output power/	authorized power	Maximum EIRP
6 dBi	30 dBm/1watt/0dBW	2.43 W ERP	2.43W ERP/ 4 watts/ 36 dBm/6dBW

7. Please clarify and confirm the UNII-5 remote antenna (which antenna?), if any, will be used as client device (Client Connected to outdoor standard power access point):

*Please note : () For client device (Client Connected to outdoor standard power access point), operating in the 5925-6425 MHz (U-NII-5) frequency band, the maximum power spectral density must not exceed 17 dBm (0.05 W) EIRP in any 1-megahertz band. In addition, the maximum EIRP over the frequency band of operation must not exceed 30 dBm (30 dBm EIRP = 0.61 W ERP =1 watt = 0dBW):

Frequency band	Max. authorized power	Maximum EIRP
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5925-6425 MHz

0.61 W ERP

0.61 W ERP/1 watt/ 30 dBm/ 0dBW

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of November 22, 2021 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

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Responses to this correspondence must contain the Reference number : 65947