

1 Please provide the size (meter), antenna gain (dBi) of the:

Mimosa A5 (4 units), Gain: 14 dBi (net of losses into each of four sector panels) • Beamwidth ( 3 dB ): 70° azimuth • Electrical Downtilt: none • Front-to-Back Ratio: >30 dB • Cross-Polar Isolation: >20 dB or greater • Polarization: Circular, four alternating panels

Mimosa A5c (7 units) Frequency Range 5180 - 6000 MHz Gain 17 dBi Azimuth Beam Width -3 dB H 45° / V 42° Elevation Beam Width -3 dB H 17° / V 16° Azimuth Beam Width -6 dB H 60° / V 60° Elevation Beam Width -6 dB H 25° / V 25° Beam Efficiency\*\* 95% Front-to-Back Ratio 27 dB Mimosa C5x (64 units),

Mimosa C5c (40 units), Gain 27.5 dBi Frequency Range 5180 - 6400 MHz Azimuth Beam Width -6 dB H 10° / V 9° Elevation Beam Width -6 dB H 9° / V 10° Azimuth Beam Width -3 dB H 7° / V 6° Elevation Beam Width -3 dB H 6° / V 7° Beam Efficiency\*\* 61% Front-to-Back Ratio (Min) 37 dB

Mimosa C5 (58 units)

Gain	20 dBi
Beamwidth ( 3dB )	14° (azimuth and elevation)
Cross-Polar Isolation	>20 dB
Polarization	Dual 45° slant polarization

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

The A5 and A5c antennas are located on fixed station towers. 281 Communications does not employ mobile base stations

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.

All C5x, C5c and C5 radios are employed on clients dwellings as CPE.

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.

All Mimosa radios either AP or CPE do not exceed a 5 degree take off angle to connect to each other

\*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.

All testing of the 6Ghz experimental frequency will be performed outside

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:

For the A5c We employ the RF Element HG3-TP-A60-V2 Gain 17 dBi Azimuth Beam Width -3 dB H 45° / V 42° Elevation Beam Width -3 dB H 17° / V 16° Azimuth Beam Width -6 dB H 60° / V 60° Elevation Beam Width -6 dB H 25° / V 25° Beam Efficiency\*\* 95% Front-to-Back Ratio 27 dB

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 5925-6425 MHz 0.61 W ERP 0.61 W ERP/1 watt/ 30 dBm/ 0dBW

We employ the RF Element Ultra Dish for the C5x and C5c radios. It is U-NII-5 compliant.  
Frequency Range 5180 - 6000 MHz Gain 17 dBi