



Date: 27 February 2018

Subject: Response to Correspondence Reference Number 403145

Dear FCC,

The device is a fixed point-to-point (PTP) AP for outdoor use only and professional installation by experts is required. Does this device still require the 30-degree elevation angle requirement?

Based on the information in 789033 D02 General UNII Test Procedures New Rules v02r01 (Section H.), our understanding is that the 30-degree elevation requirement is only applicable for outdoor point-to-multipoint (PtMP) device. Can you please help to confirm?

Thank you for your kind attention. We look forward to hearing back from you.

- Eileen Yang

789033 D02 General UNII Test Procedures New Rules v02r01:

**H. Measurement of emission at elevation angle higher than 30° from horizon**

In addition to the emission limits specified in Section 15.407(a)(1)(i), if the access point is an outdoor Point-to-Multipoint device operating in the band 5.15–5.25 GHz, the rules require that the maximum EIRP at any elevation angle above 30° not exceed 125 mW (21 dBm) as measured from the horizon. This restriction leads to a general requirement for the antenna pattern: if the EIRP within 3 dB elevation beamwidth of any radiation lobe is higher than 125 mW, this lobe must be controlled, either mechanically or electrically, so that the 3 dB elevation beamwidth of this lobe is below 30° elevation angle relative to horizon.

For the purposes of compliance, information for all the antenna types must be included in the filing. In order for antennas to be considered of similar type, the antenna patterns must also be similar as well as other characteristics of the antenna.

Note: For the sake of clarity, we define the elevation angle where 0° is horizontal and 90° is straight-up.