# Training Update:
# New Wi-Fi Power Passing Taps

**Regions: All** **Audience: Field Operations**

**Effective Date: November 13, 2013** **Supersedes TU 13-013 released on 6/1/13**

As of November 12, 2013 Cablevision will begin upgrading all existing WiFi device locations with the new Antronix Power Passing Taps. **These new taps pass AC and RF from port #1 on the tap to the WiFi device via an RG-56 jumper cable. Remaining ports, on the 4 and 8-way taps are for customer drop connections.**
**All 2-way taps are ONLY for WiFi connections.**

The new taps are available in 2-port, 4-port, and 8-port configurations, and available in the standard tap values (8 through 23) currently used on our coaxial distribution system.

| 2-Port taps for WiFi only<br>NO Customer Drops | Do NOT connect customer drops to Port #1 (with orange dot) on any 4 or 8 way WiFi power passing taps |
|---|---|

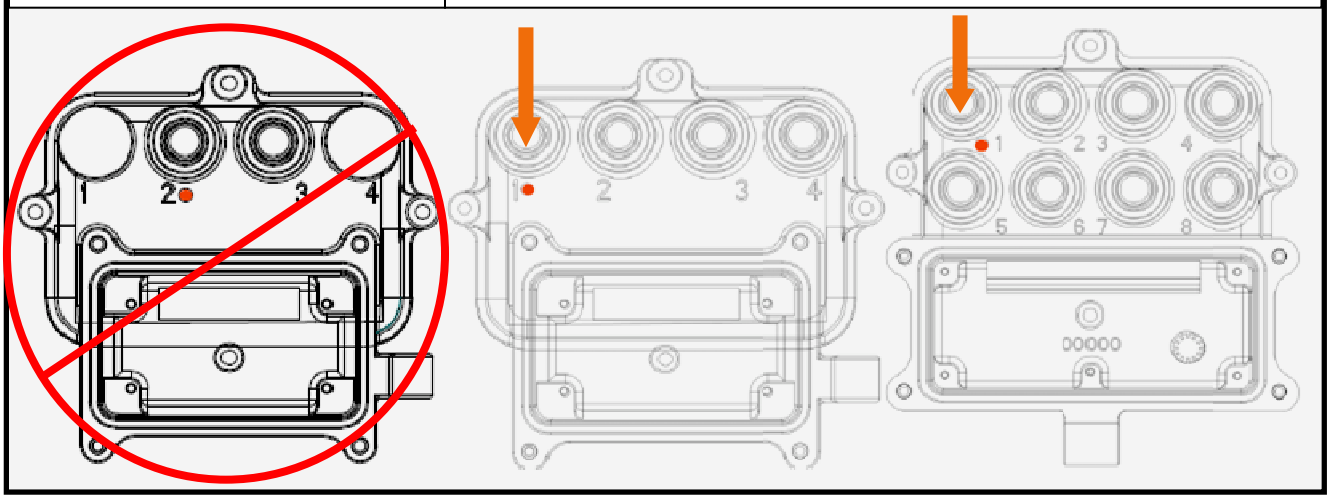


**Figure 1 New Antronix Power Passing WiFi taps**

***Do not connect a customer drop to any 2-port Antronix power passing WiFi tap under any circumstance. Contact your supervisor if you are uncertain regarding customer drop connection to a tap with a WiFi device connected to port #1. Note: Signal levels from a 2-port tap are designed for WiFi ONLY. Port levels approximately 8-12 dBmV @750MHz (just to meet the cable-modem requirements).***

**The 4-port and 8-port WiFi taps have an orange dot on port #1 on the tap plate, indicating port #1 is only for WiFi device connection. *Port #1 passes RF and AC system power to our Wi-Fi system devices.***

***Never change, modify, connect to, or split a drop connected to tap port #1 of 4 and 8 way taps. Never connect a customer drop to any two port tap, feeding the WiFi device.***

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Antronix power passing taps are easy to identify by the offset shape and larger size of the tap housing. **A WiFi power-passing 4-port 20 tap is marked with colored text boxes of the port connections (see figure 2 below).**

**All 4 and 8-way power passing taps have port 1 feeding AC system power and RF to our WiFi system devices indicated by the orange dot next to port # 1 on all 4-way and 8-way power passing taps.**

**Ports 2, 3, and 4 are for customer drops connections, passing RF only. 8-way power passing taps follow the same rules as the 4 port taps. Port #1 for WiFi and ports 2 through 8 for customer drop connections.**

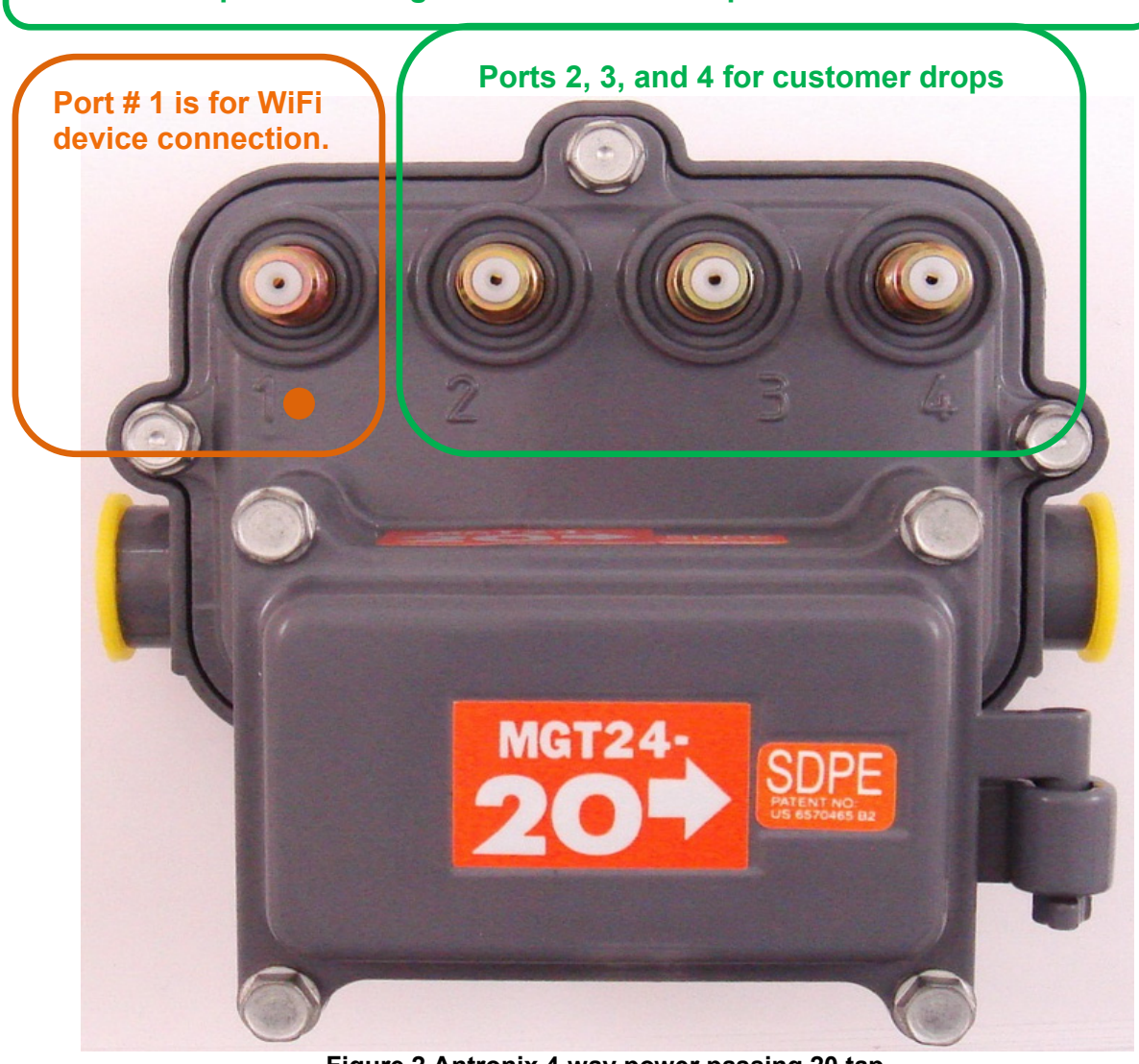


**Figure 2 Antronix 4-way power passing 20 tap**