

The diagram illustrates the electrical system for the antenna on a 2015-2016 Ford Focus (1.6L). It shows the following components and their connections:

- IG (Ignition) Circuit:**
 - 10A ECU-IG2 (10A fuse) connected to terminal 24 (3D).
 - Terminal 5 (Id5) connected to terminal 7.
- ACC (Accessory) Circuit:**
 - 7.5A ACC (7.5A fuse) connected to terminal 17 (2D).
 - Terminal 15 (4D) connected to terminal 10 (4B).
- B (Battery) Circuit:**
 - 10A RADIO (10A fuse) connected to terminal 29 (3D).
 - Terminal 4 (Id5) connected to terminal 4.
- ANT (Antenna) Circuit:**
 - R37 Radio and Player connected to terminal 13 (ANT).
 - Terminal 11 (4E) connected to terminal 9 (4B).
- Auto Antenna Control Relay (A31):**
 - SGND (Signal Ground) connected to terminal 11.
 - SIG (Signal) connected to terminal 10.
 - VCC (Voltage) connected to terminal 12.
 - DOWN (Down) connected to terminal 6.
 - UP (Up) connected to terminal 3.
- Auto Antenna Control SW (A47(A), A49(C)):**
 - ANTU (Antenna Up) connected to terminal 28 (A).
 - ANTD (Antenna Down) connected to terminal 29 (A).
 - GND (Ground) connected to terminal 12 (C).
- Auto Antenna Control SW (S-ANTU, S-ANTD):**
 - S-ANTU (Signal Antenna Up) connected to terminal 15.
 - S-ANTD (Signal Antenna Down) connected to terminal 14.
 - GND (Ground) connected to terminal 16.
- Center Cluster Integration Panel (C34):**
 - W-B (Wire to Battery) connected to terminal 7 (3N).
 - W-B (Wire to Battery) connected to terminal 1 (3P).
 - W-B (Wire to Battery) connected to terminal 18 (2E).
- Auto Antenna Motor (A17):**
 - W-B (Wire to Battery) connected to terminal 2 (3B).
- Junction Connectors:**
 - J14 Junction Connector connected to terminal 8 (4B) and terminal 8 (4D).
 - J22 Junction Connector connected to terminal 13 (IW3) and terminal 11 (IW3).



