UHF BAND RFID TAG ENABLING COLOR CHANGE FOR INVENTORY MANAGEMENT SYSTEMS IN CONSTRUCTION SITES: A COLOR CHANGE TAG
Green RFID tags exhibit that these items are discounted.

Fig. 2. Representative application image of color-change tags in convenience stores.
RFID tag IC
Antenna
DD
Transmitter
Receiver
Reader

RFID tag

Color was changed from purple to green
Foil
Solution of purple cabbage anthocyanin and salt
Paper
GND electrode was placed here. Voltage was applied.
GND electrode was placed around here.

Not applied

Voltage was applied.