ZIGBEE Green Power Switch with Harvester and acknowledge

Innovation

- Energy harvesting with Harvesting switch (ZF Switches)
- Zigbee Green Power Ultra low power implementation with no Battery
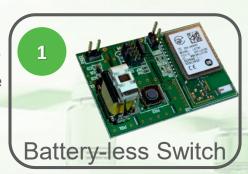
Value Advantage

- No buck-boost , No Battery => Low cost
- Low EMC => better transmission performance
- No Battery => Easy recycling, No Maintenance
- Compatible with Commercial products
- Native Mesh implementation

- ✓ Lower cost
- ✓ Better performance – long range
- ✓ No Maintenance
- ✓ Smart building

1 Battery-less Switch

Zigbee Green Power Packet

2 Zigbee Coordinator

Zigbee 3.0 Packet

Current Proposition

- NCS36510 as 802.15.4 ULP SoC
- DSR Zigbee Green Power Stack
- ZF Harvesting Switch
- Visual ACK feedback
- DSR ZBGP to ZCL 3.0 gateway

3 IKEA TRÅDFRI

Roadmap

- Zigbee Green power with Solar for continuous sensing
- Security implementation
- Packaged device

ON Semiconductor®