



# Wi-Fi CERTIFIED® Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)

**Certification ID: WFA56999**

## Product Info

|                              |                                 |
|------------------------------|---------------------------------|
| <b>Date of Certification</b> | November 7, 2014                |
| <b>Company</b>               | LG Electronics                  |
| <b>Product Name</b>          | 42LF650Y                        |
| <b>Product Model Variant</b> | 2014-11-07 (WFA56999 - 2388766) |
| <b>Model Number</b>          | 42LF650Y                        |
| <b>Category</b>              | Televisions & Set Top Boxes     |
| <b>Sub-category</b>          | Television                      |

## Summary of Certifications

| <b>CLASSIFICATION</b>         | <b>CERTIFICATION</b>   |
|-------------------------------|--|
| <b>Access</b>                 | Wi-Fi Protected Setup™   |
| <b>Alternative topologies</b> | Wi-Fi Direct®  |
| <b>Applications</b>           | Miracast®  |
| <b>Network management</b>     | WMM®   |
| <b>Security</b>               | WPA2™-Personal   |
| <b>Wi-Fi (MAC/PHY)</b>        | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n |

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# Wi-Fi CERTIFIED® Certificate

Certification ID: WFA56999



Role: Station

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux

### Wi-Fi Component Firmware

1.0

### RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz         | 2             | 2            |
| 5 GHz           | 2             | 2            |

## Certifications

### 2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz  
40 MHz Channel Width in 2.4 GHz

### 5 GHz Spectrum Capabilities

20 MHz Channel Width in 5 GHz  
40 MHz Channel Width in 5 GHz

### WMM®

### WPA2™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC  
A-MPDU Tx  
HT Duplicate Mode

### Wi-Fi CERTIFIED™ n (continued)

OBSS on Extension Channel  
RIFS  
Short Guard Interval

### Wi-Fi Direct®

### Wi-Fi Protected Setup™

PIN  
Pushbutton

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# Wi-Fi CERTIFIED® Certificate

Certification ID: WFA56999



Role: Display

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### RF Architecture

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## Certifications

Miracast®

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