



# Wi-Fi CERTIFIED™ Certificate

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



**Certification ID: WFA62211**

## Product Info

|                       |                                 |
|-----------------------|---------------------------------|
| Date of Certification | September 22, 2015              |
| Company               | LG Electronics                  |
| Product Name          | 55UF685V                        |
| Product Model Variant | 2015-09-22 (WFA62211 - 3402352) |
| Model Number          | 55UF685V                        |
| Category              | Televisions & Set Top Boxes     |
| Sub-category          | Television                      |

## Summary of Certifications

| CLASSIFICATION          | CERTIFICATION   |
|-------------------------|---|
| Access                  | Wi-Fi Protected Setup™  |
| Applications & Services | Miracast®   |
| Connectivity            | 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<br>Wi-Fi Direct® |
| Optimization            | WMM®  |
| Security                | WPA2™-Personal<br>WPA™-Personal   |



# Wi-Fi CERTIFIED™ Certificate

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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

### WPA™-Personal

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ b

### Wi-Fi CERTIFIED™ g

### Wi-Fi CERTIFIED™ n

STBC

### Wi-Fi CERTIFIED™ n (continued)

A-MPDU Tx  
HT Duplicate Mode  
OBSS on Extension Channel  
RIFS  
Short Guard Interval

### Wi-Fi Direct®

### Wi-Fi Protected Setup™

PIN  
Pushbutton



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Miracast®