

---

# TV Power Measurement Report

Model: LG UN55FD

---

**Funded By:**



**Prepared By:**



# Table of Contents

- 1. Test Specifics 3
- 2. Compliance with Additional Tests 4
  - 2.1 On Mode Tests . . . . . 4
  - 2.2 Standby . . . . . 8

## 1. Test Specifics

Test Start Date	2020-08-26
Test Start Time	12:44:48
Test End Time	16:11:04
Test Duration	0 days 03:26:16
Tester Name	ryan
Lab Name	demo
Lab Address	111 s st
Make	lg
Model	un55fd
Model Year	2020
Serial Number	555ddd
Software Version	1.1.1
Manufacture Year	2020
Manufacture Month	1
Screen Diagonal (inches)	55
Pixel Rows	1080
Pixel Columns	1920
Screen Area (sq in)	1700
TV Technology Type	LED
Humidity (%)	10
Temperature (Celcius)	10

## 2. Compliance with Additional Tests

### 2.1 On Mode Tests

Test Name	Preset Picture	ABC	MDD	Avg Luminance (Nits)	Power Limit (W)	Avg Power (W)	Power/Power Limit
default	aps	off	off	51.8		103.3	
default_measured				51.8	147.1	103.3	0.7
brightest	vivid	off	off	62.1		123.9	
brightest_measured				62.1	157.4	123.9	0.8
average_measured							0.7

Average Measured / Limit must be less than 1.0 to comply

#### Default PPS Power Limit Function

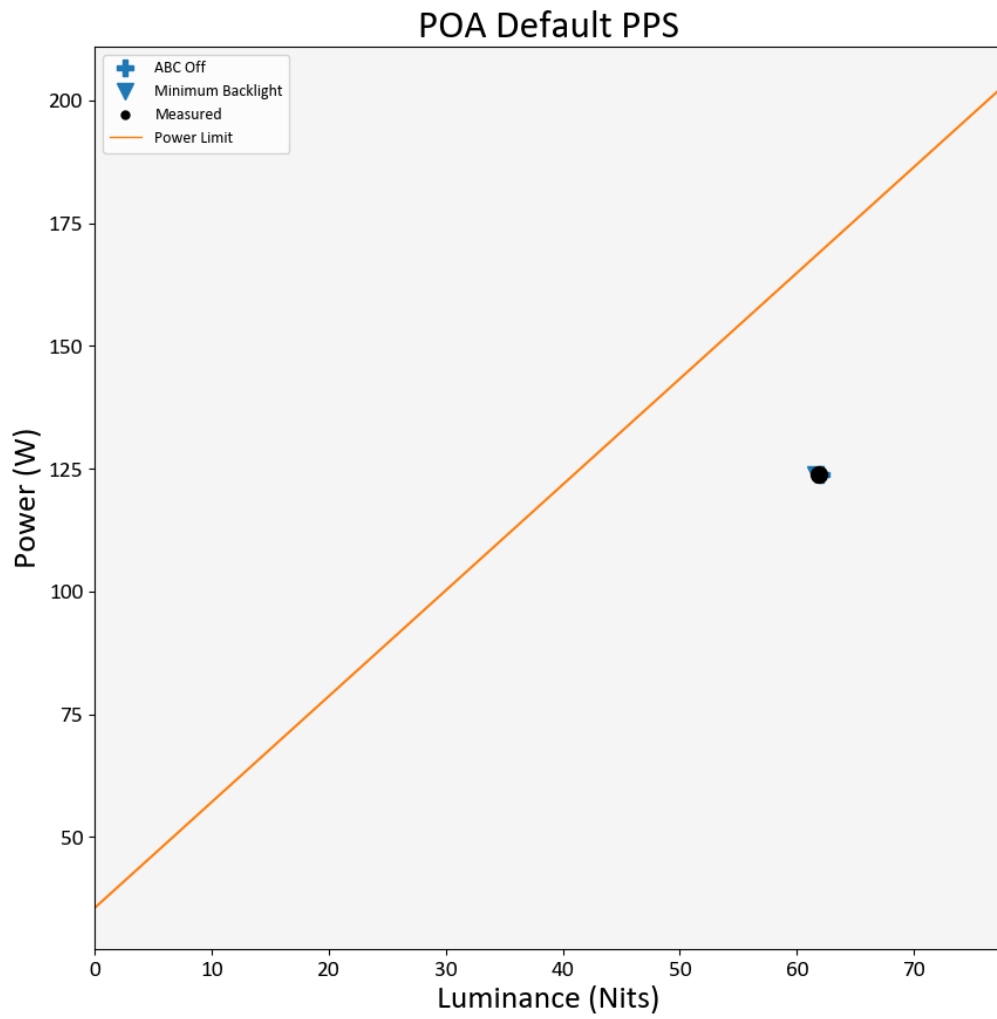
$$1.05 * ((0.001 * \text{area} + 0.38) * (1.00 * \text{luminance} + 0.00) + 0.01 * \text{area} + 18.12)$$

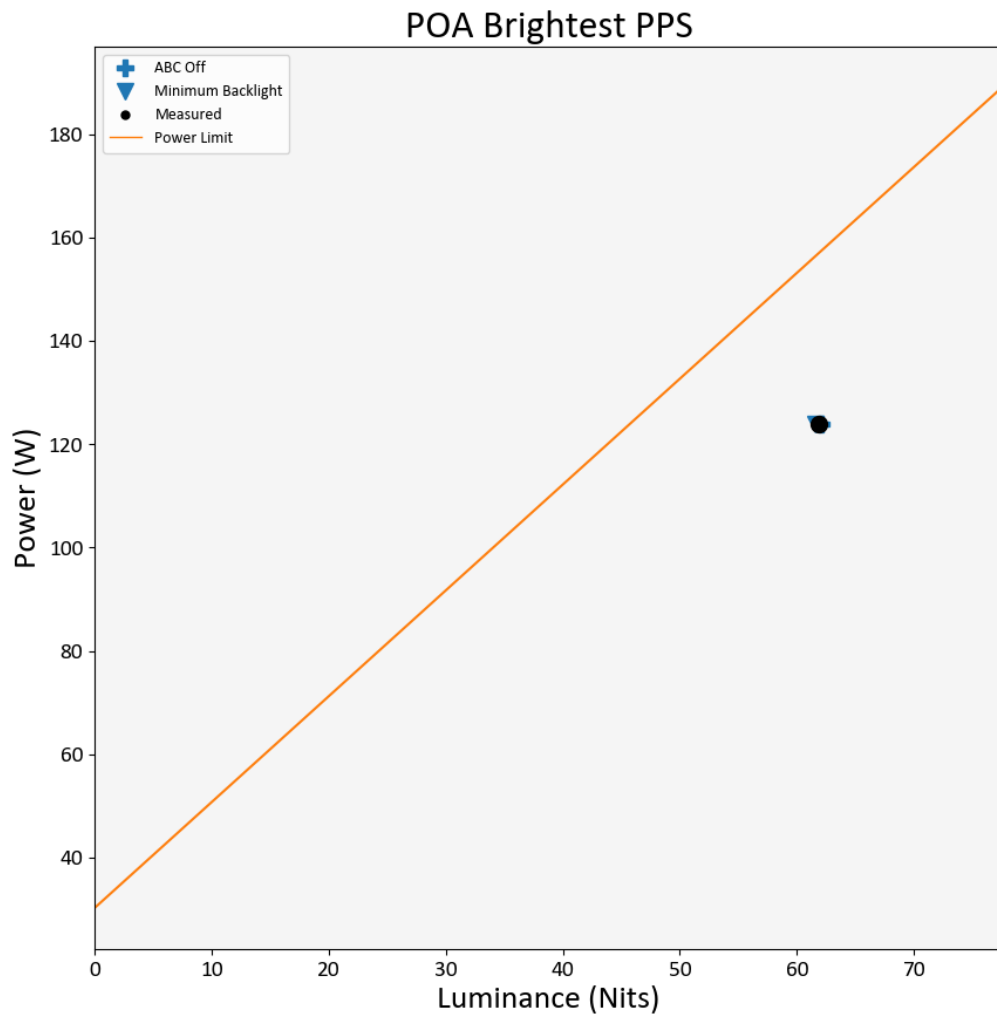
#### Brightest PPS Power Limit Function

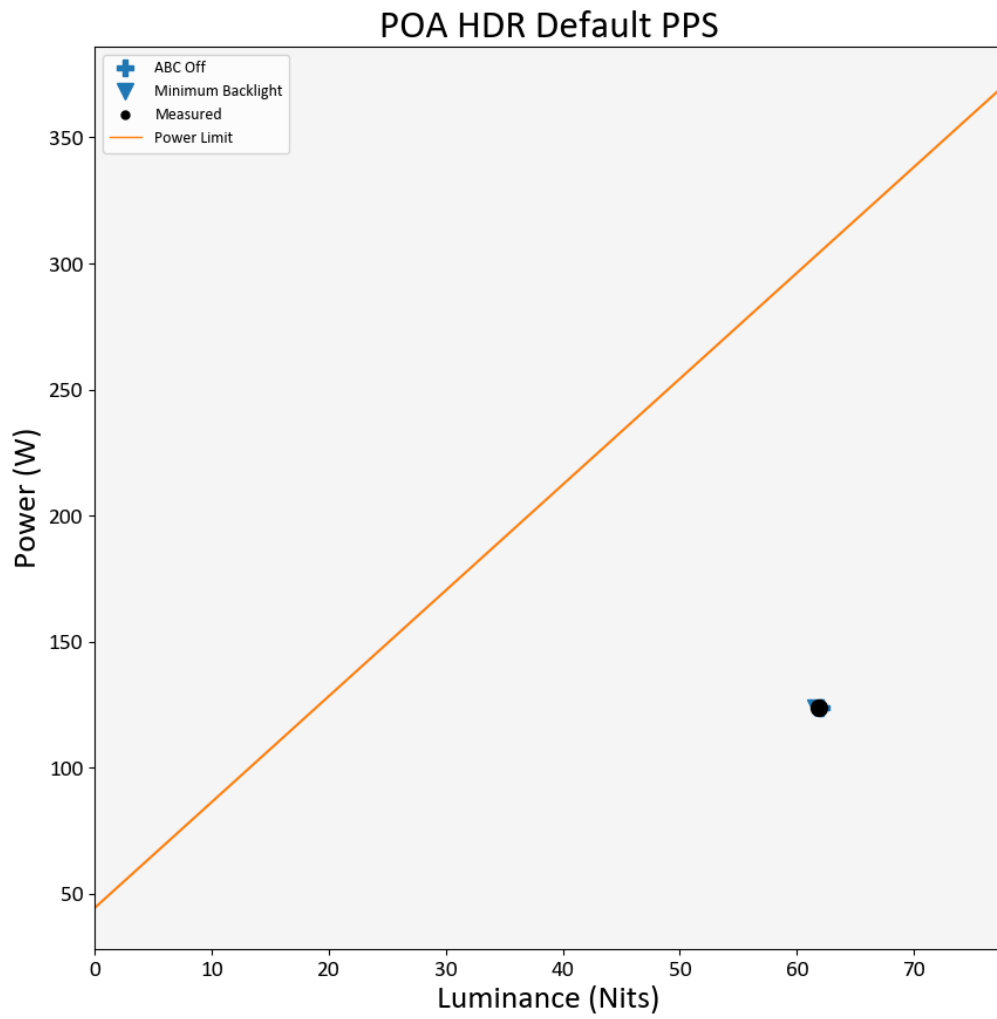
$$1.05 * ((0.001 * \text{area} + 0.28) * (1.00 * \text{luminance} + 0.00) + 0.01 * \text{area} + 17.11)$$

#### HDR Default PPS Power Limit Function

$$1.05 * ((0.002 * \text{area} + 0.38) * (1.00 * \text{luminance} + 0.00) + 0.01 * \text{area} + 17.67)$$







## 2.2 Standby

Test Name	QS	Wake Time (s)	Power Limit (W)	Avg Power (W)
standby	off	0.0	2	2.4
standby_echo	oob	0.0	2	2.6
standby_google	oob	0.0	2	3.6

### Time to Wake from Standby

standby: 0 seconds

standby\_echo: 0 seconds

standby\_google: 0 seconds

