

ENERGY STAR Certified Set Top Boxes

ENERGY STAR Unique ID	ENERGY STAR Partner
2302604	Technicolor Connected Home USA, LLC
2302605	Technicolor Connected Home USA, LLC
2303551	Apple Inc.
2304913	AT&T
2305862	Technicolor Connected Home USA, LLC
2282586	Apple Inc.

ENERGY STAR Certified Set Top Boxes

Brand Name	Model Name	Model Number
technicolor	CAV10455	CAV10455
technicolor	CAV10242	CAV10242
Apple	Apple TV 4K	MP7P2
DIRECTV	DIRECTV DVR SERVER	HS17-500
technicolor	IP STB	UIW8001
Apple	Apple TV	MGY52

ENERGY STAR Certified Set Top Boxes

Additional Model Information	Type
	Set-top Box (STB)
	Set-top Box (STB)
,A1842, Apple TV 4K, MQD22, MP7P2,	Set-top Box (STB)
	Set-top Box (STB)
	Set-top Box (STB)
,A1625, Apple TV, MGY52, MR912,	Set-top Box (STB)

ENERGY STAR Certified Set Top Boxes

Technology	Enhanced Functionalities
Cable	Multi-stream,Multi-room,Ultra HD (4K) Resolution,Digital Video Recorder (DVR),DOCSIS 3.0,High Efficiency Video Processing (HEVP or HEVP-TC)
Cable	Multi-stream,Multi-room,Ultra HD (4K) Resolution,DOCSIS 3.0,High Efficiency Video Processing (HEVP or HEVP-TC)
Over-the-top (OTT) Internet Protocol (IP)	Home Network Interface (HNI),Ultra HD (4K) Resolution,High Efficiency Video Processing (HEVP or HEVP-TC)
Satellite	Multi-stream,Multi-input Multi-output (MIMO) Wireless HNI,Multi-room,Transcoding Additional,Ultra HD (4K) Resolution,Access Point,Digital Video Recorder (DVR),Transcoding
Multichannel Video Programming Distributor (MVPD) Internet Protocol (IP)	Multi-input Multi-output (MIMO) Wireless HNI,Digital Video Recorder (DVR)
Over-the-top (OTT) Internet Protocol (IP)	Home Network Interface (HNI)

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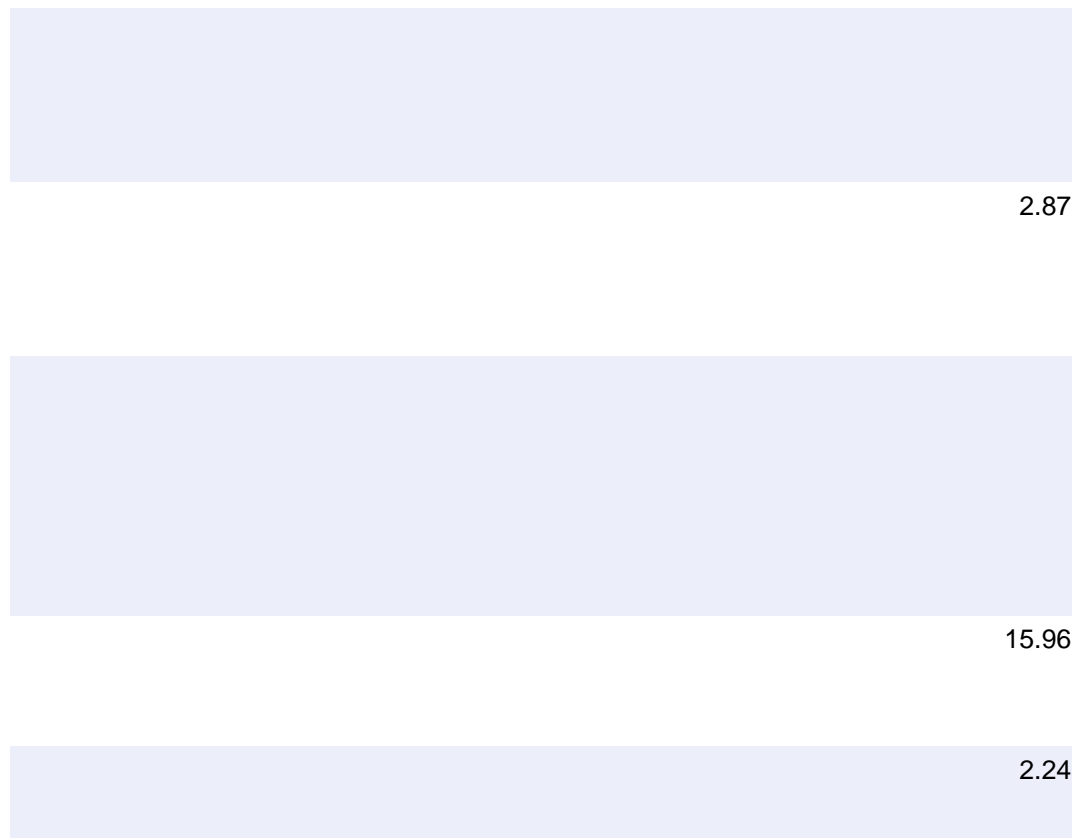
Adders Used for Qualification	MIMO WiFi Streams	Configuration	DLNA Protocol Functionality
Multi-stream,Multi-room,Ultra HD (4K) Resolution,Digital Video Recorder (DVR),DOCSIS 3.0,High Efficiency Video Processing (HEVP or HEVP-TC)		Multi-room	Yes- Client
Multi-stream,Multi-room,Ultra HD (4K) Resolution,DOCSIS 3.0,High Efficiency Video Processing (HEVP or HEVP-TC)		Multi-room	Yes- Client
Home Network Interface (HNI),Ultra HD (4K) Resolution,High Efficiency Video Processing (HEVP or HEVP-TC)		Single-room	No
Multi-stream,Multi-input Multi-output (MIMO) Wireless HNI,Multi-room,Transcoding Additional,Ultra HD (4K) Resolution,Access Point,Digital Video Recorder (DVR),Transcoding	802.11ac High Power	Multi-room	Yes- Server
Multi-input Multi-output (MIMO) Wireless HNI,Digital Video Recorder (DVR)		Single-room	No
Home Network Interface (HNI)		Single-room	No

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Auto-power Down Available	Deep Sleep State Available	Power Type
Yes	No	ac
Yes	No	ac
Yes	No	ac
Yes	No	ac
No	No	dc
Yes	No	ac

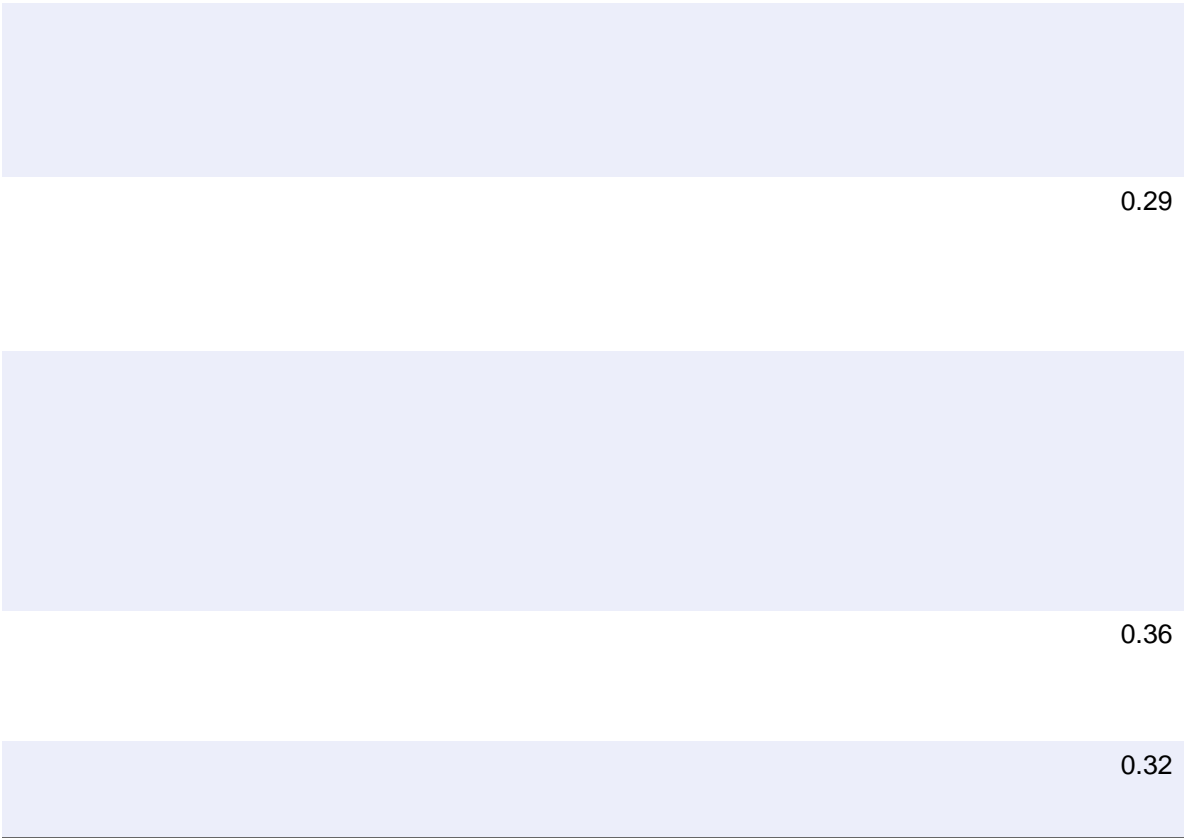
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Single-room Configuration Test Results On Mode Power (Watts)



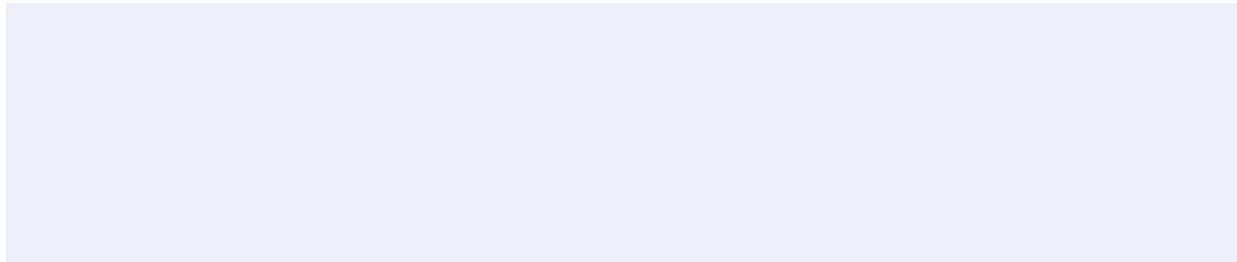
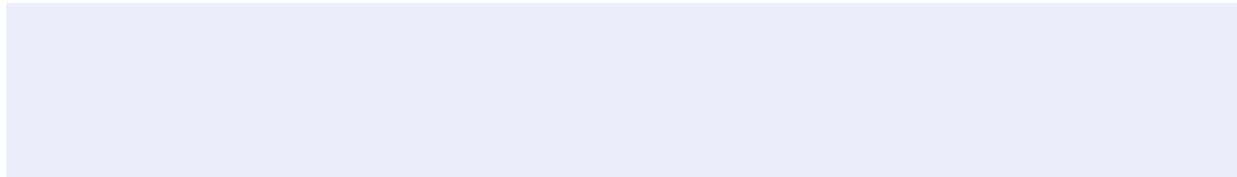
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Single-room Configuration Test Results Sleep Mode Power (Watts)



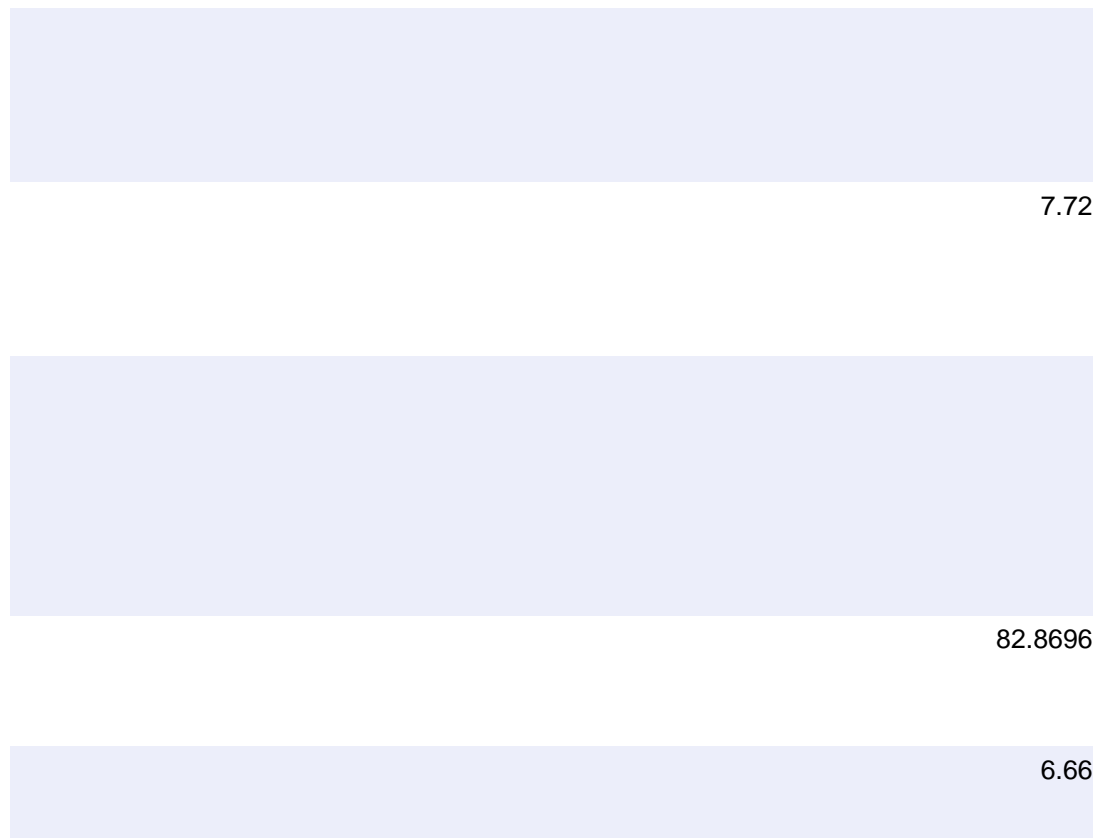
ENERGY STAR Certified Set Top Boxes

Single-room Configuration Test Results Deep Sleep State Power (Watts)



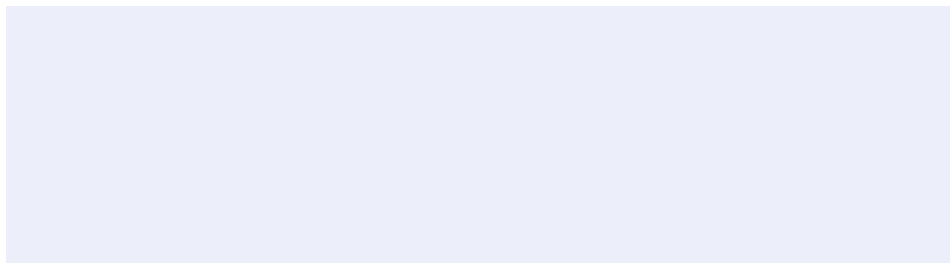
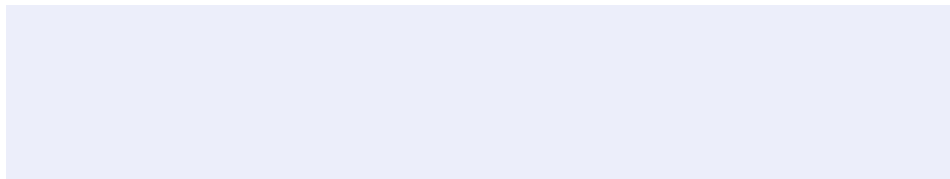
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Single-room Configuration - Total Energy Consumption (kWh/yr)



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Multi-room STB Client Only Power (Watts)



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Multi-room Configuration Test Results On Mode Power (Watts)

22.7

15.28

19.48

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Multi-room Configuration Test Results Sleep Mode Power (Watts)

16.9

13.1

18.34

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Multi-room Configuration Test Results Deep Sleep State Power (Watts)

13.1



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Multi-room Configuration - Total Energy Consumption (kWh/yr)	Total TEC Allowance
166.7	184
120.3	149
	37
162.805	185
	93
	22

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Date Available on Market	Date Qualified	Markets
08/07/2017	08/24/2017	Canada
07/25/2017	08/24/2017	Canada
09/15/2017	09/13/2017	United States, Australia, New Zealand, Switzerland, Europe, Taiwan, Japan, Canada
10/12/2017	04/06/2017	United States
11/07/2017	11/01/2017	United States
10/26/2015	10/07/2016	United States, Australia, New Zealand, Switzerland, Europe, Taiwan, Japan,

ENERGY STAR Certified Set Top Boxes

CB Model Identifier

ES_1135952_CAV10455_08242017012000_1024175

ES_1135952_CAV10242_08242017015110_1024177

ES_1023756_MP7P2_09132017125028_70154481

ES_25853_10122017000000_0008444

ES_1135952_UIW8001_11012017132722_3372370

ES_1023756_MGY52_10272016053459_70091205

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2284876 AT&T

2284877 AT&T

2286507 AT&T

2286508 AT&T

2286944 AT&T

2286946 AT&T

2286948 AT&T

2286951 AT&T

2287161 LG Electronics, Inc.

2287268 Technicolor Connected Home USA, LLC

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DIRECTV	DIRECTV HD DVR (Multi Room)	HR54-500
DIRECTV	DIRECTV HD DVR (Single Room)	HR54-500
DIRECTV	DIRECTV HD DVR (Multi-room)	HR54-200
DIRECTV	DIRECTV HD DVR (Single-room)	HR54-200
DIRECTV	DIRECTV HD Receiver (DVR Multi-room)	H44-100
DIRECTV	DIRECTV HD Receiver (Single-room with Non DVR)	H44-100
DIRECTV	DIRECTV HD Receiver (Multi-room with Non DVR)	H44-100
DIRECTV	DIRECTV HD Receiver (Single-room with DVR)	H44-100
LG	S60CLI	S60CLI
technicolor	IPV5050	IPV5050

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Satellite	Multi-stream,Multi-room,Digital Video Recorder (DVR)
Satellite	Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)
Satellite	Multi-stream,Multi-room,Digital Video Recorder (DVR)
Satellite	Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)
Satellite	Multi-stream,Multi-room,Digital Video Recorder (DVR)
Satellite	Multi-stream,Home Network Interface (HNI)
Satellite	Multi-stream,Multi-room
Satellite	Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)
Multichannel Video Programming Distributor (MVPD) Internet Protocol (IP)	Home Network Interface (HNI),Ultra HD (4K) Resolution
Multichannel Video Programming Distributor (MVPD) Internet Protocol (IP)	Multi-stream,Home Network Interface (HNI),Multi-input Multi-output (MIMO) Wireless HNI

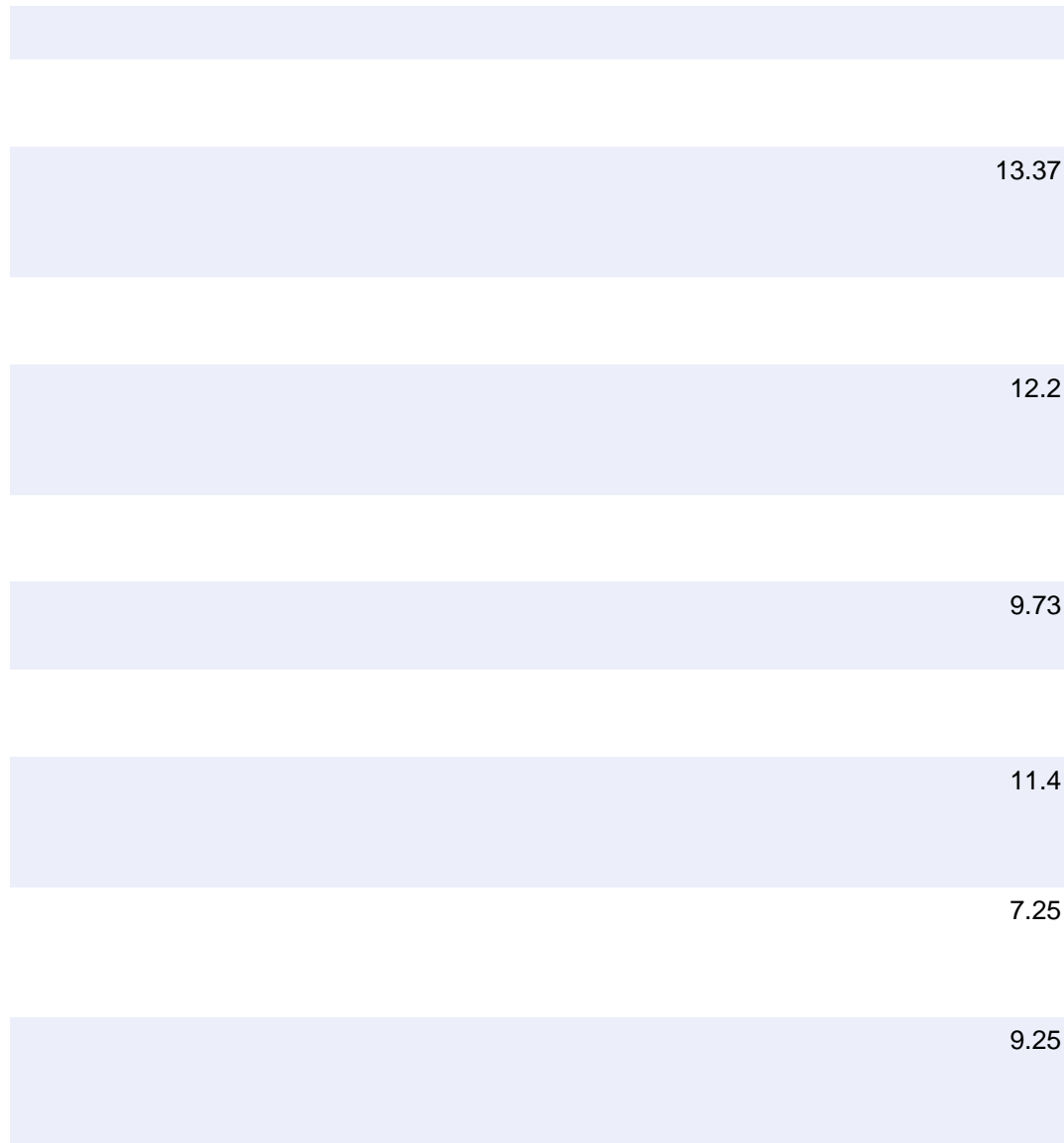
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Multi-stream,Multi-room,Digital Video Recorder (DVR)		Multi-room	Yes- Server
Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)		Single-room	Yes- Server
Multi-stream,Multi-room,Digital Video Recorder (DVR)		Multi-room	Yes- Server
Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)		Single-room	Yes- Server
Multi-stream,Multi-room,Digital Video Recorder (DVR)		Multi-room	No
Multi-stream,Home Network Interface (HNI)		Single-room	No
Multi-stream,Multi-room		Multi-room	No
Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)		Single-room	No
Home Network Interface (HNI),Ultra HD (4K) Resolution	802.11ac High Power	Single-room	No
Multi-stream,Home Network Interface (HNI),Multi-input Multi-output (MIMO) Wireless HNI	802.11n High Power	Single-room	No

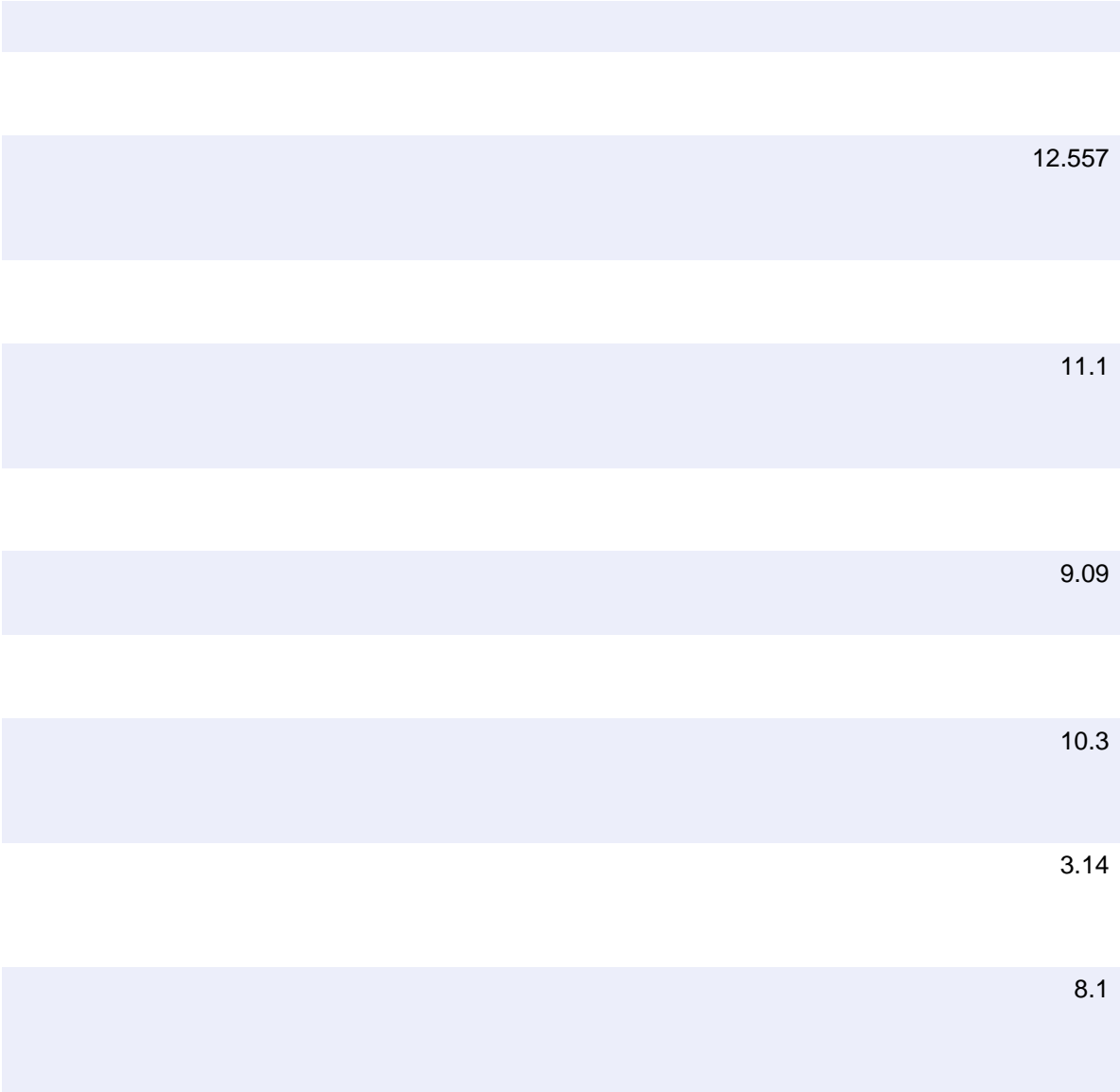
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Yes	No	ac
Yes	No	ac
Yes	No	ac
Yes	No	ac
Yes	No	ac
Yes	No	ac
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Yes	No	ac
Yes	No	ac

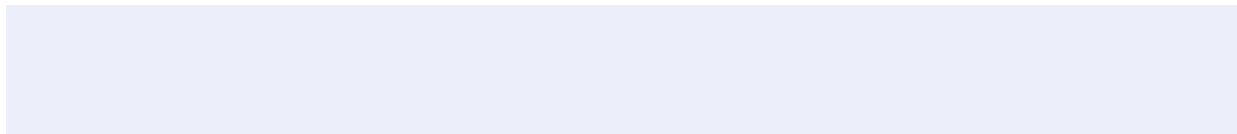
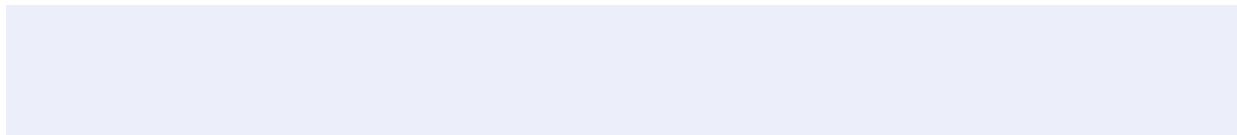
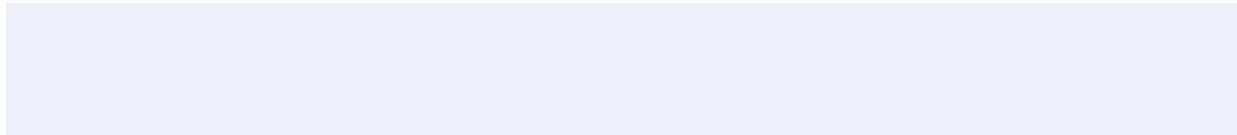
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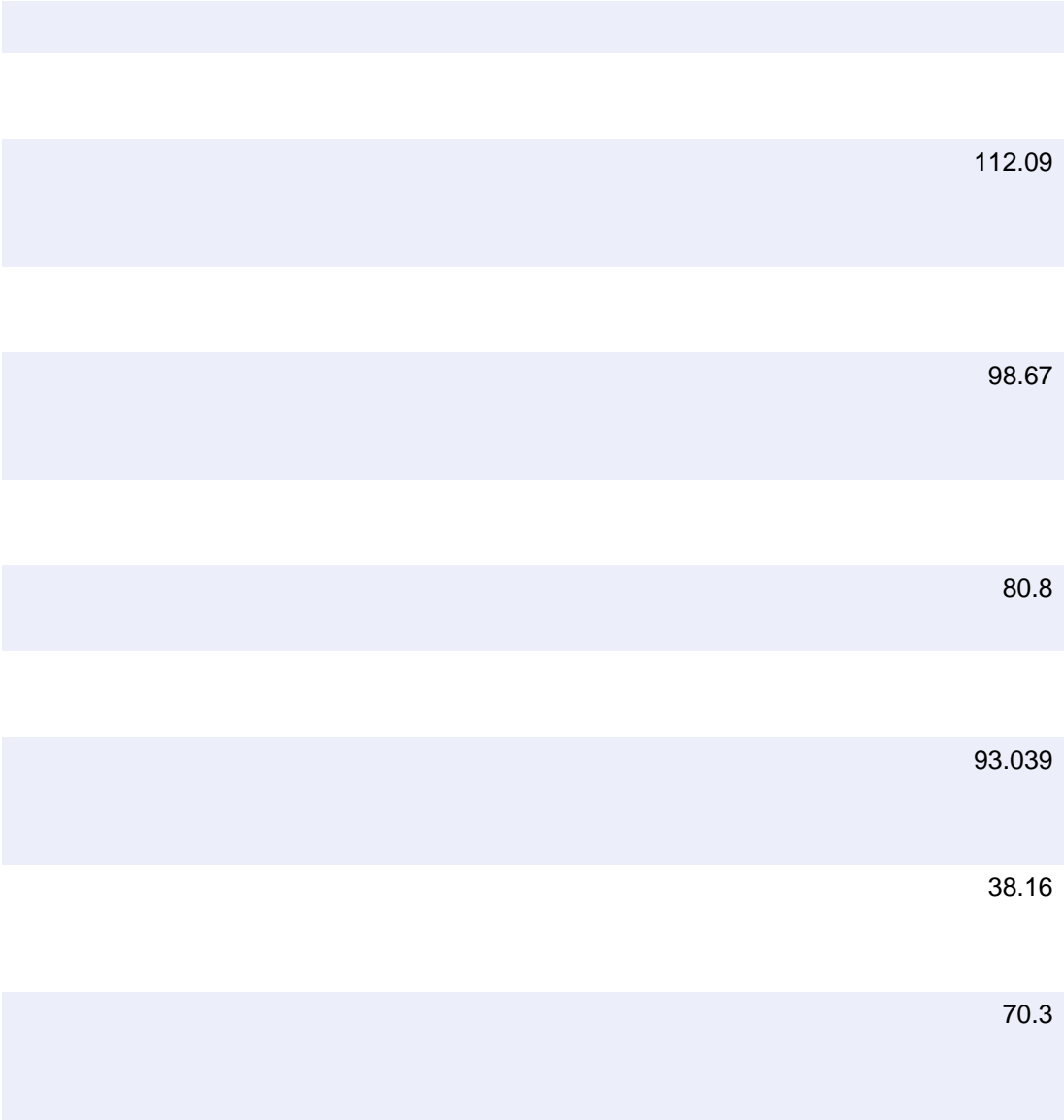
ENERGY STAR Certified Set Top Boxes



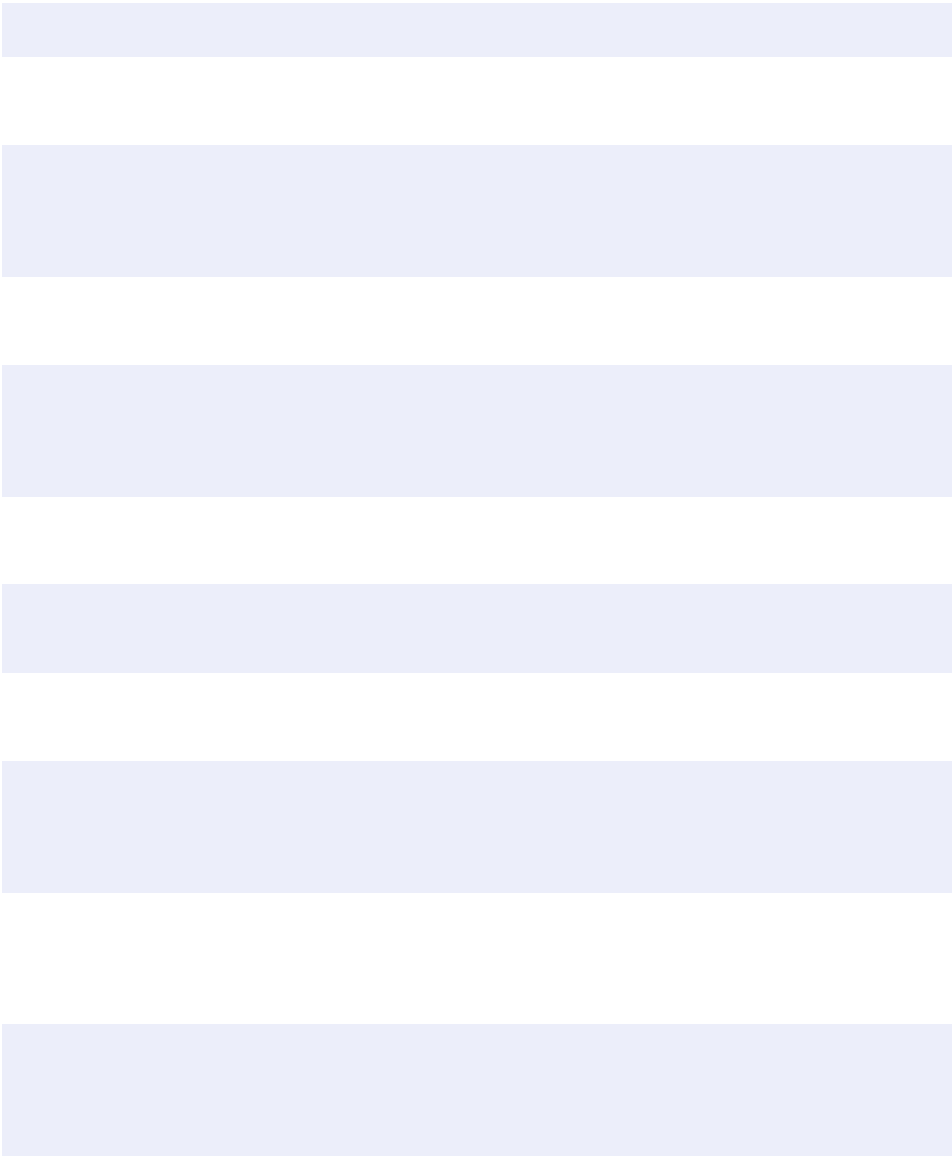
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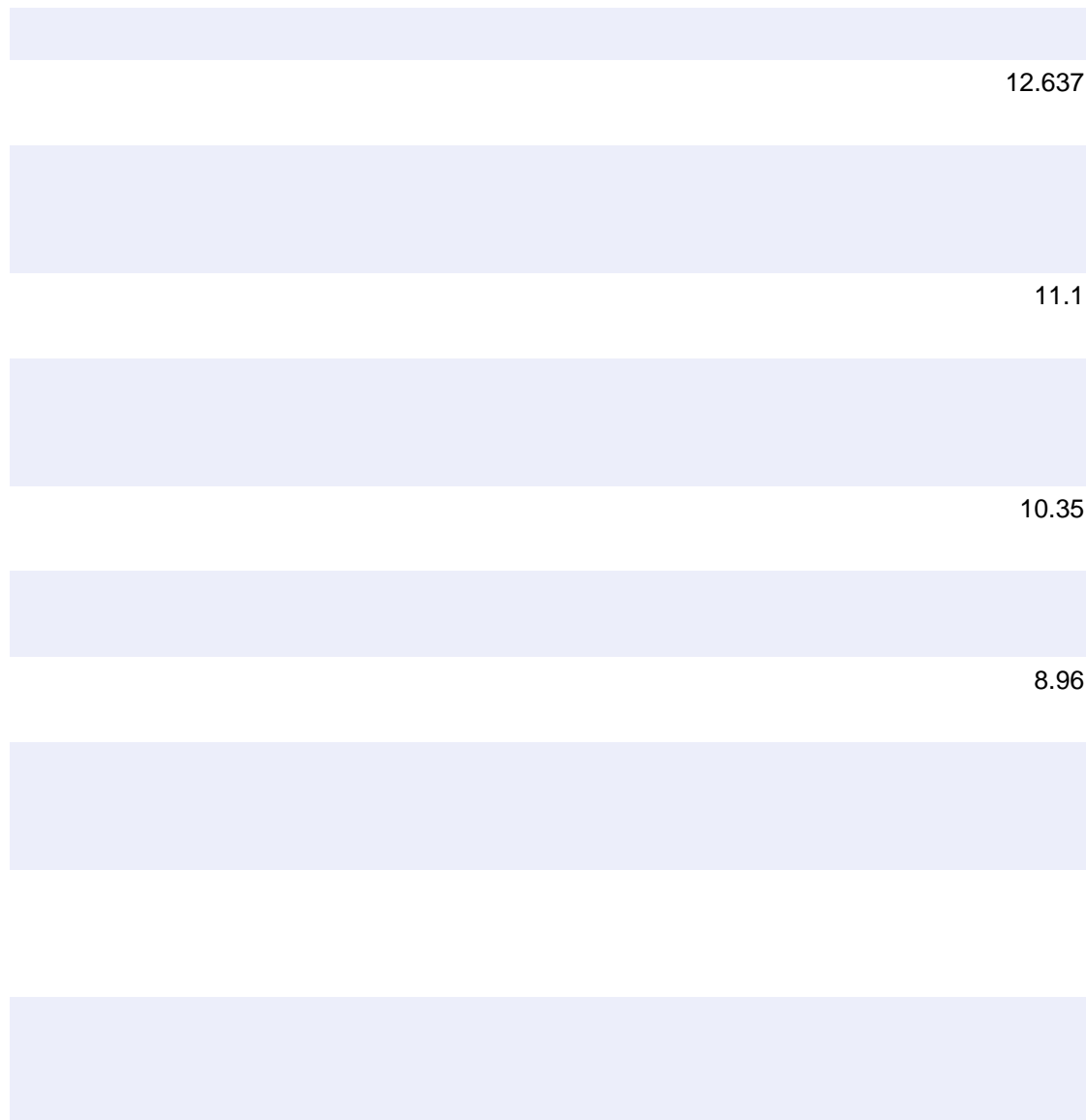
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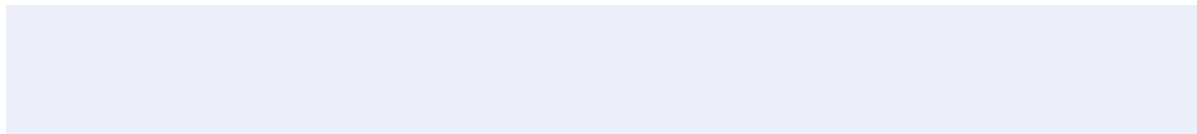
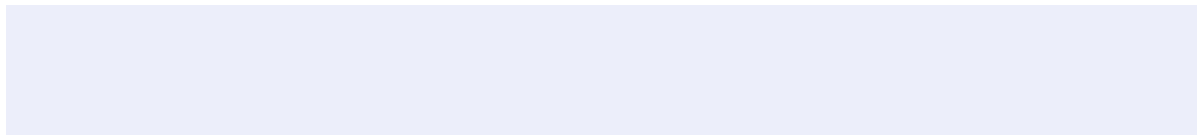
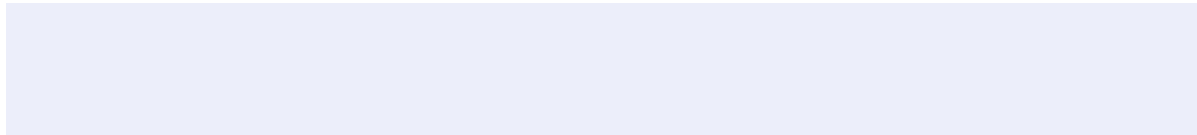
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	113.11	124
		118
	98.67	124
		118
	93.35	124
		83
	80.74	89
		118
		40
		84

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		Canada
05/20/2015	11/28/2016	United States
05/20/2015	11/29/2016	United States
10/01/2015	12/19/2016	United States
09/01/2015	12/19/2016	United States
03/16/2015	12/23/2016	United States
03/16/2015	12/23/2016	United States
03/16/2015	12/23/2016	United States
03/16/2015	12/23/2016	United States
12/27/2016	12/27/2016	United States, Canada
10/31/2016	12/28/2016	United States, Canada

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2287269 Technicolor Connected Home USA, LLC

2287270 Technicolor Connected Home USA, LLC

2287287 LG Electronics, Inc.

2292000 NVIDIA Corp.

2292505 AT&T

2292506 AT&T

2298614 AT&T

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technicolor	IPV6016	IPV6016
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technicolor	IPV5010	IPV5010
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LG	STB-5500-UA	STB-5500-UA
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NVIDIA	P2897	P2897
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DIRECTV	DIRECTV HD DVR (Single Room)	HR54-700
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DIRECTV	DIRECTV HD DVR (Multi Room)	HR54-700
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DIRECTV	DIRECTV DVR Server	HS17-100
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ENERGY STAR Certified Set Top Boxes

Set-top Box (STB)

Set-top Box (STB)

Set-top Box (STB)

Set-top Box (STB)

Set-top Box (STB)

Set-top Box (STB)

Set-top Box (STB)

ENERGY STAR Certified Set Top Boxes

Multichannel Video Programming Distributor (MVPD) Internet Protocol (IP)	Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)
Multichannel Video Programming Distributor (MVPD) Internet Protocol (IP)	Multi-stream,Home Network Interface (HNI)
Cable	Home Network Interface (HNI),Ultra HD (4K) Resolution,High Efficiency Video Processing (HEVP or HEVP-TC)
Thin-client/Remote	Multi-stream,Home Network Interface (HNI),Multi-input Multi-output (MIMO) Wireless HNI,Ultra HD (4K) Resolution,High Efficiency Video Processing (HEVP or HEVP-TC)
Satellite	Multi-stream,Home Network Interface (HNI),Multi-room,Digital Video Recorder (DVR)
Satellite	Multi-stream,Home Network Interface (HNI),Multi-room,Digital Video Recorder (DVR)
Satellite	Multi-stream,Multi-input Multi-output (MIMO) Wireless HNI,Multi-room,Transcoding Additional,Ultra HD (4K) Resolution,Access Point,Digital Video Recorder (DVR),Transcoding

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Multi-stream,Home Network Interface (HNI),Digital Video Recorder (DVR)		Single-room	No
Multi-stream,Home Network Interface (HNI)		Single-room	No
Home Network Interface (HNI),Ultra HD (4K) Resolution,High Efficiency Video Processing (HEVP or HEVP-TC)		Single-room	No
Multi-stream,Home Network Interface (HNI),Multi-input Multi-output (MIMO) Wireless HNI,Ultra HD (4K) Resolution,High Efficiency Video Processing (HEVP or HEVP-TC)	802.11ac Low Power	Single-room	No
Multi-stream,Home Network Interface (HNI),Multi-room,Digital Video Recorder (DVR)		Single-room	Yes- Server
Multi-stream,Home Network Interface (HNI),Multi-room,Digital Video Recorder (DVR)		Multi-room	Yes- Server
Multi-stream,Multi-input Multi-output (MIMO) Wireless HNI,Multi-room,Transcoding Additional,Ultra HD (4K) Resolution,Access Point,Digital Video Recorder	802.11ac High Power	Multi-room	No

ENERGY STAR Certified Set Top Boxes

Yes No ac

Yes No ac

No No ac

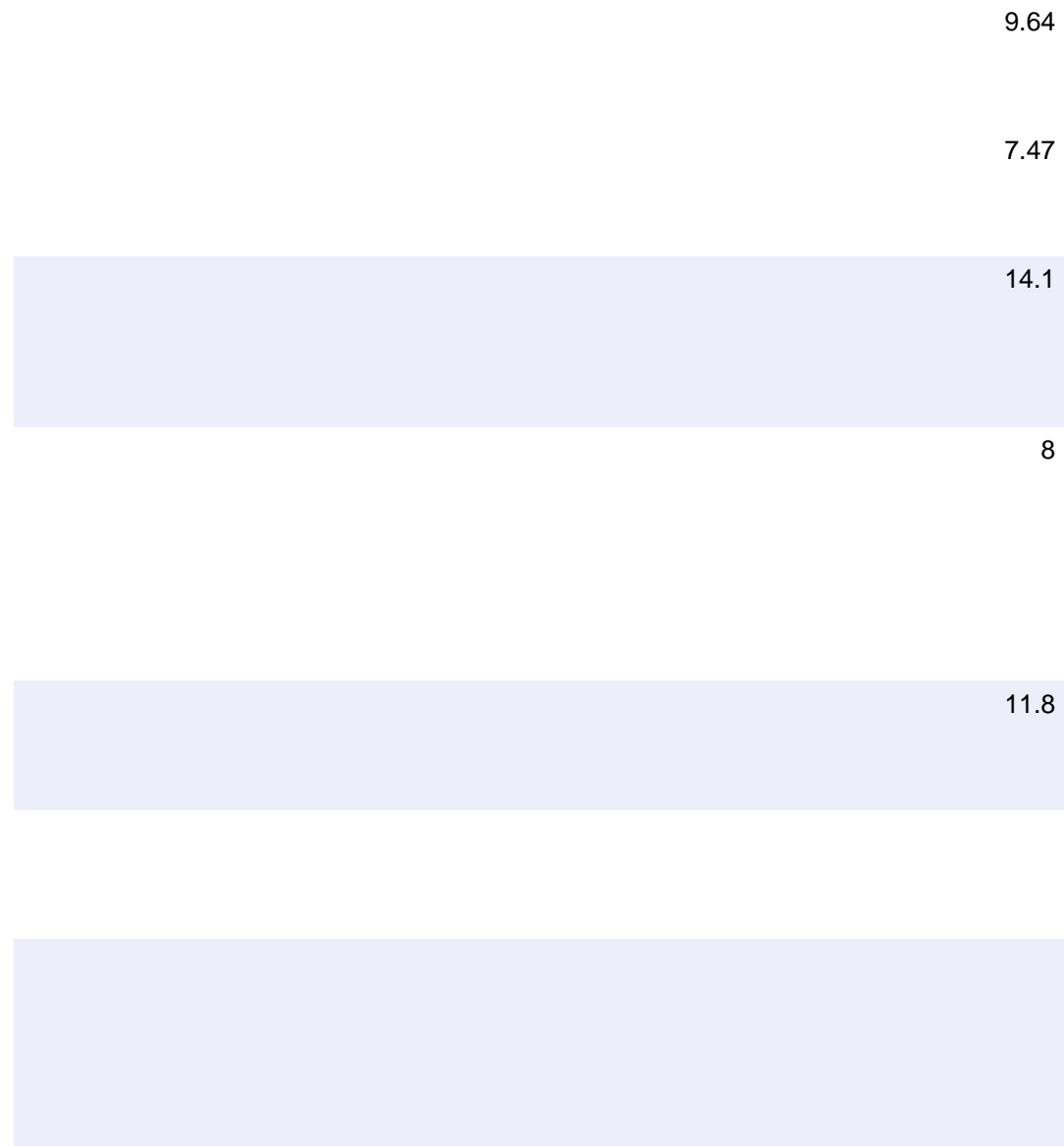
Yes No ac

Yes No ac

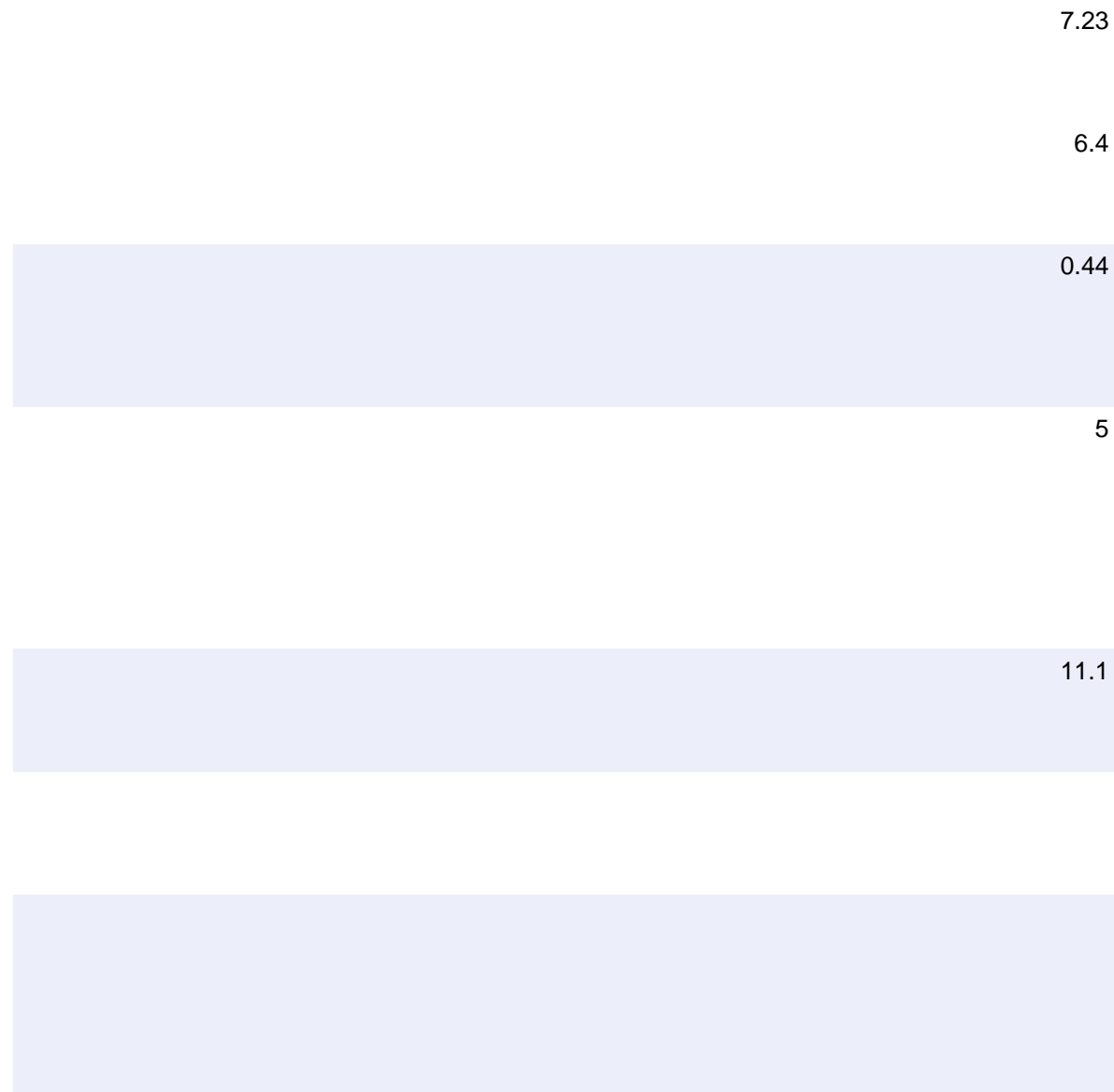
Yes No ac

Yes No ac

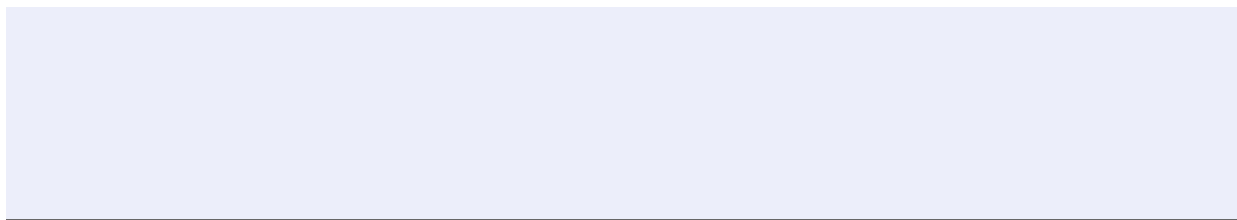
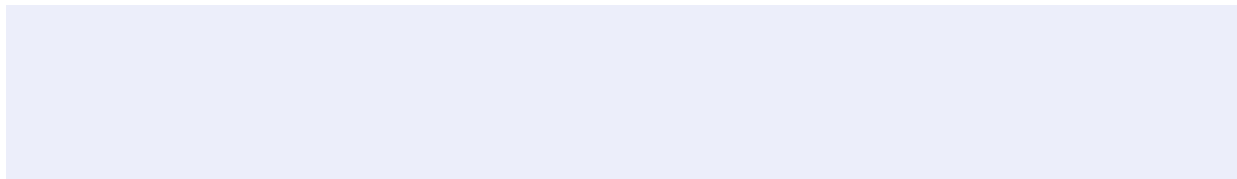
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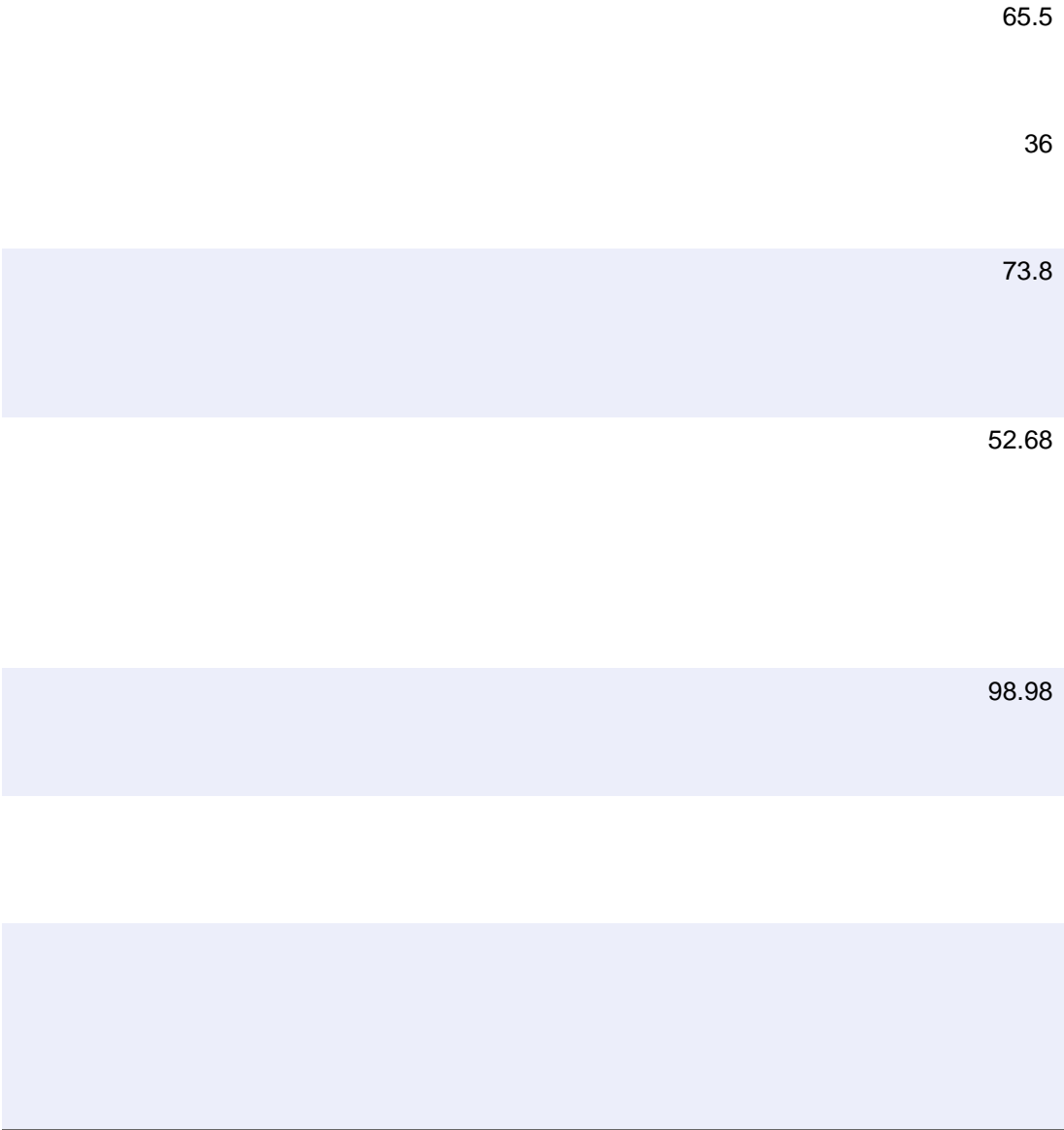
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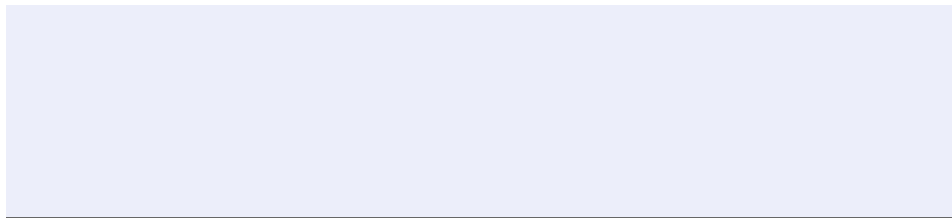
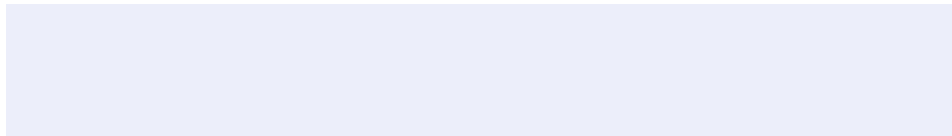
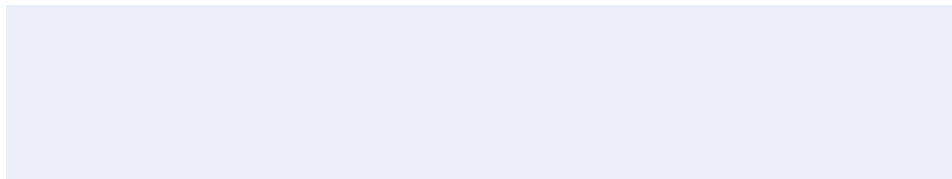
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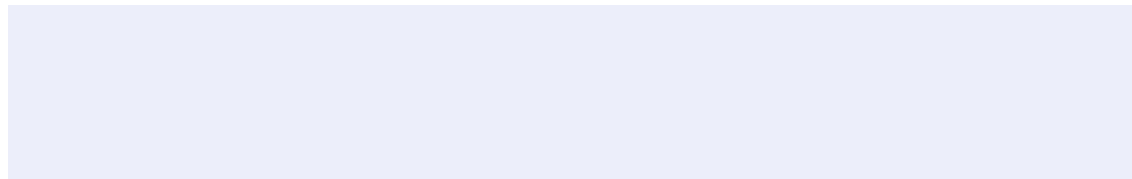
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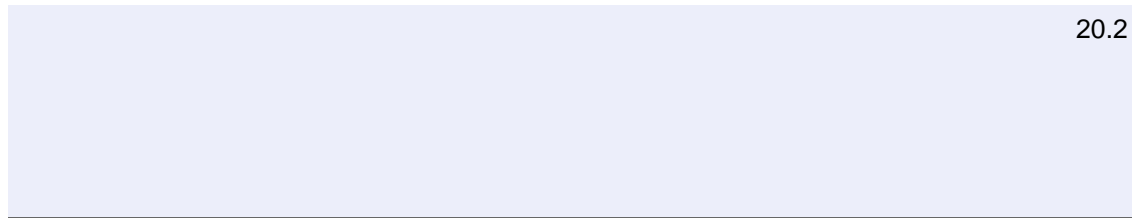
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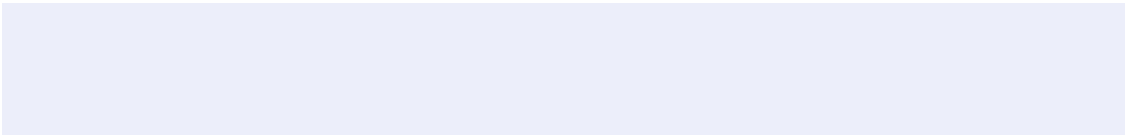
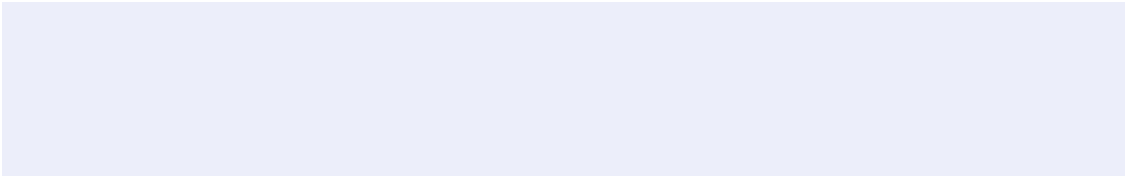


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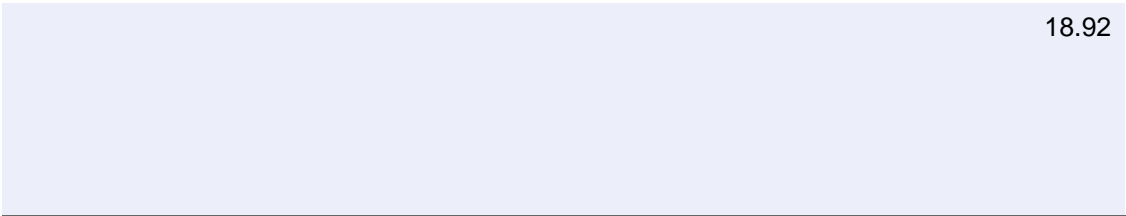


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ENERGY STAR Certified Set Top Boxes

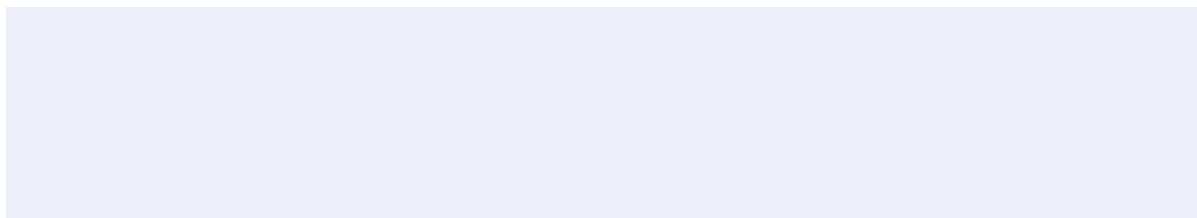
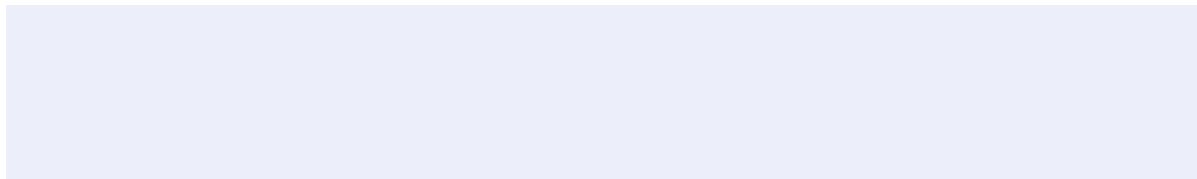


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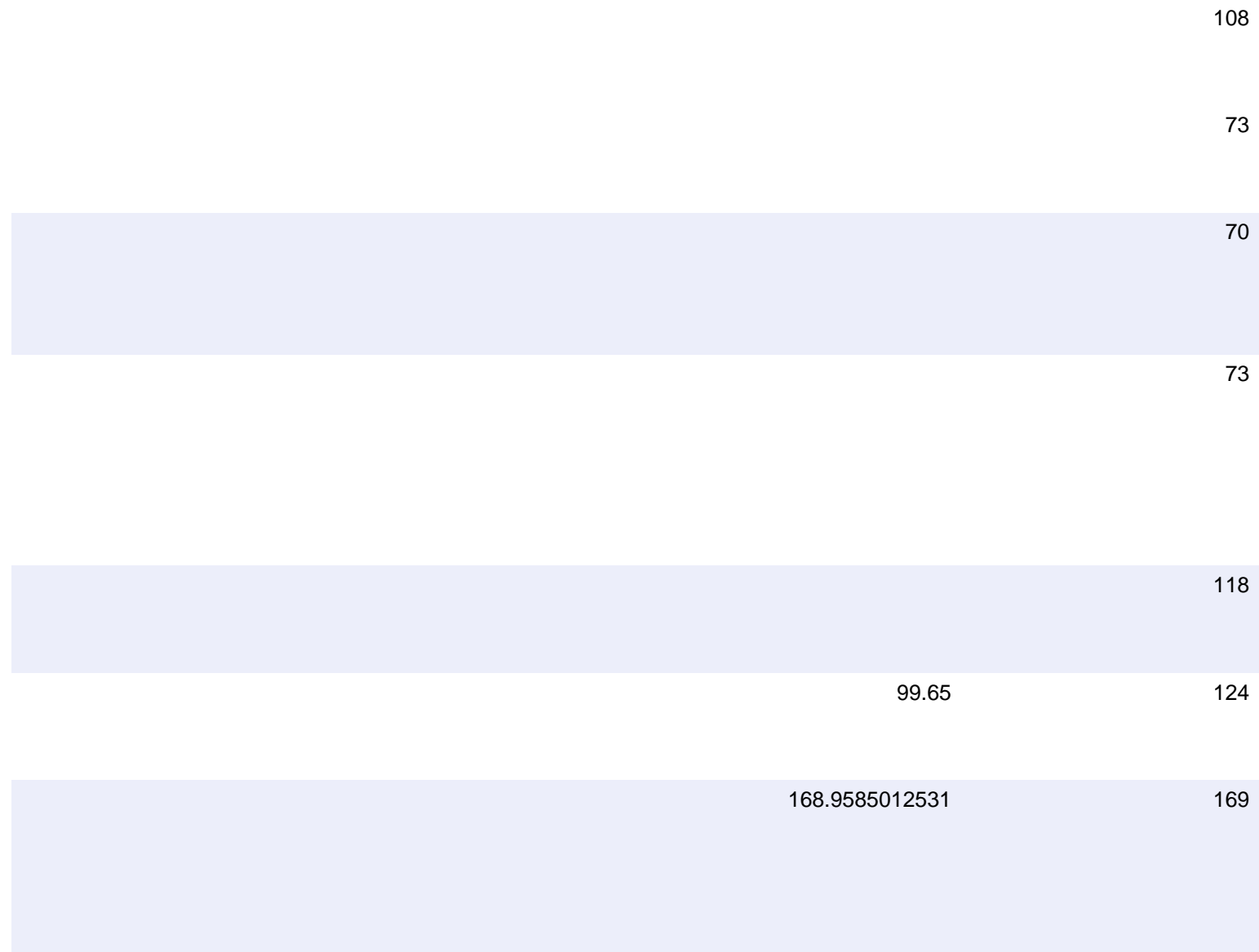


18.92

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10/31/2016 12/28/2016 United States, Canada

10/31/2016 12/28/2016 United States, Canada

02/01/2017 12/28/2016 United States

01/06/2017 02/21/2017 United States, Europe, Canada

08/13/2015 03/15/2017 United States

08/13/2015 03/15/2017 United States

05/01/2017 06/27/2017 United States

ENERGY STAR Certified Set Top Boxes

ES_1135952_IPV6016_12282016041730_1024087

ES_1135952_IPV5010_12282016042000_1024087

ES_1118034_STB-5500-UA_12222016205531_2840082

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ES_25853_6272017000000_0008918

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Point,Digital Video Recorder
(DVR),Transcoding

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