The Internet of Things

Discovering the Internet of Things in your home

Lawrence Charters

Network Scanners

- Network scanners do what the name implies: they scan networks

- Why would you do this? To find out what is on your network.

- And…to find out if someone or something is on your network that shouldn't be there.

IPNetMonitorX

Sustainable Softworks, $70

Does much, much more than this.

Angry IP Scanner
Open Source, http://angryip.org

Can also do port scans.

IP Scanner
Mac App store, free

Free version displays only 5 devices (out of 26 found).
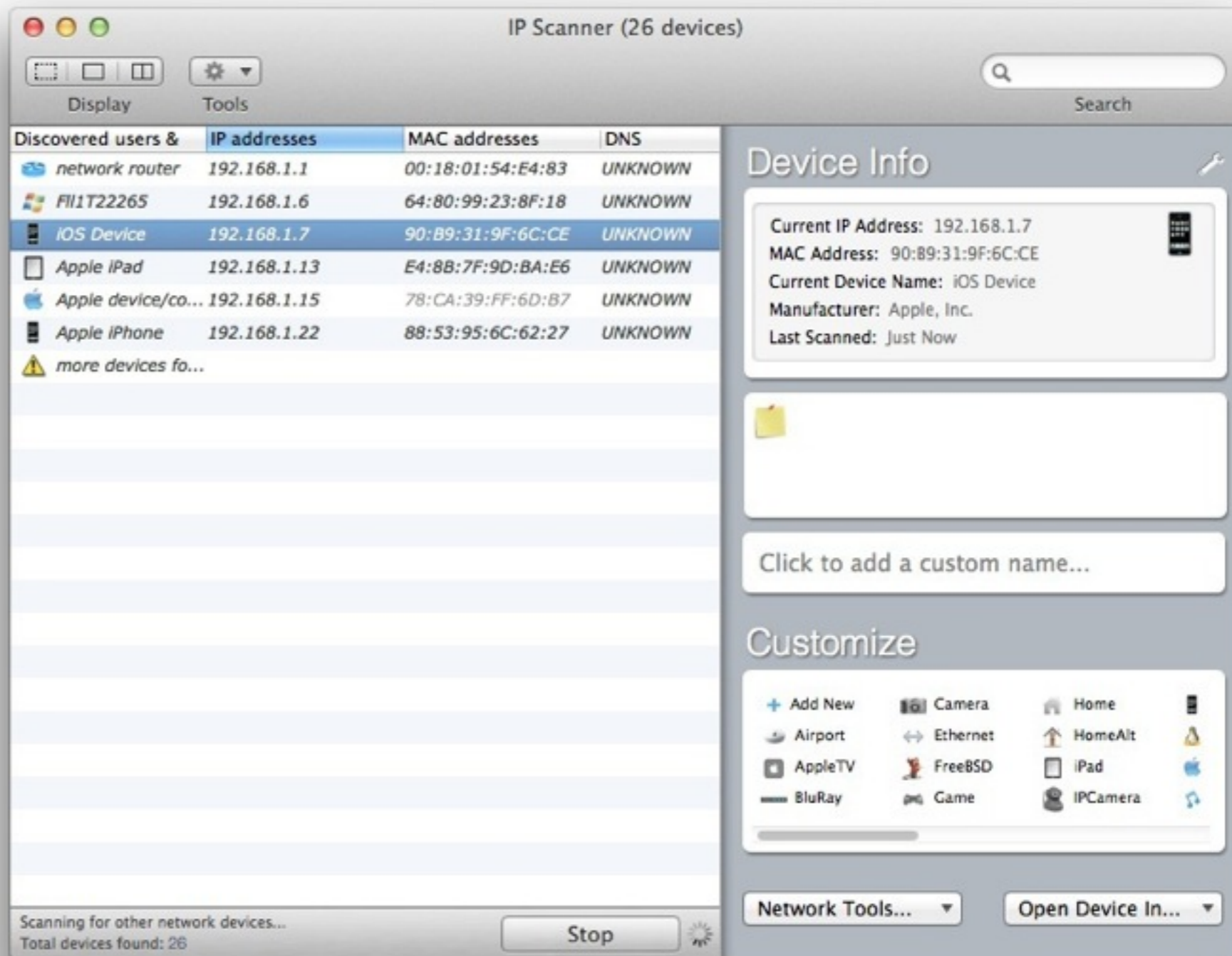
LanScan
Mac App store, free

Found 26 devices, wants you to upgrade to Pro to get more information.

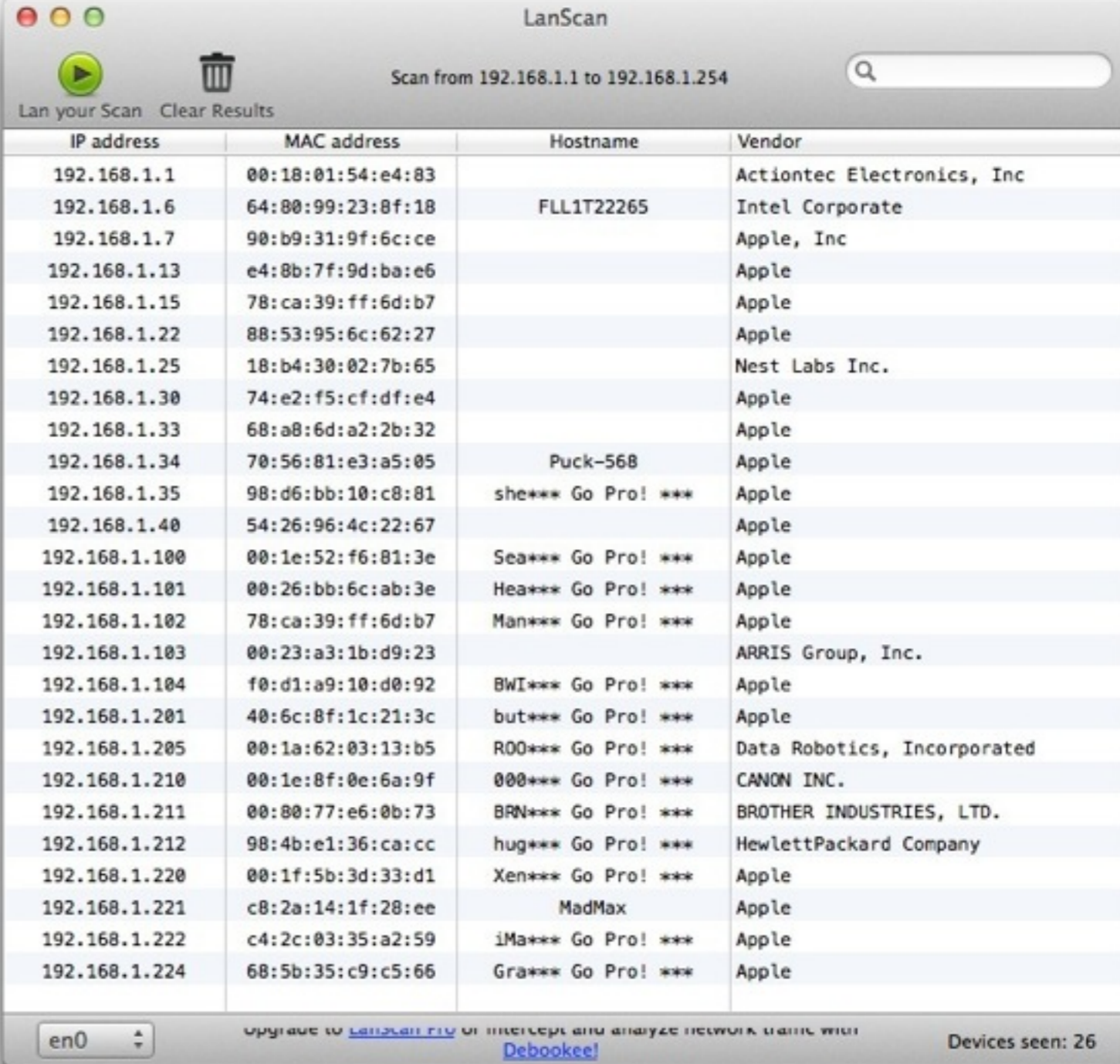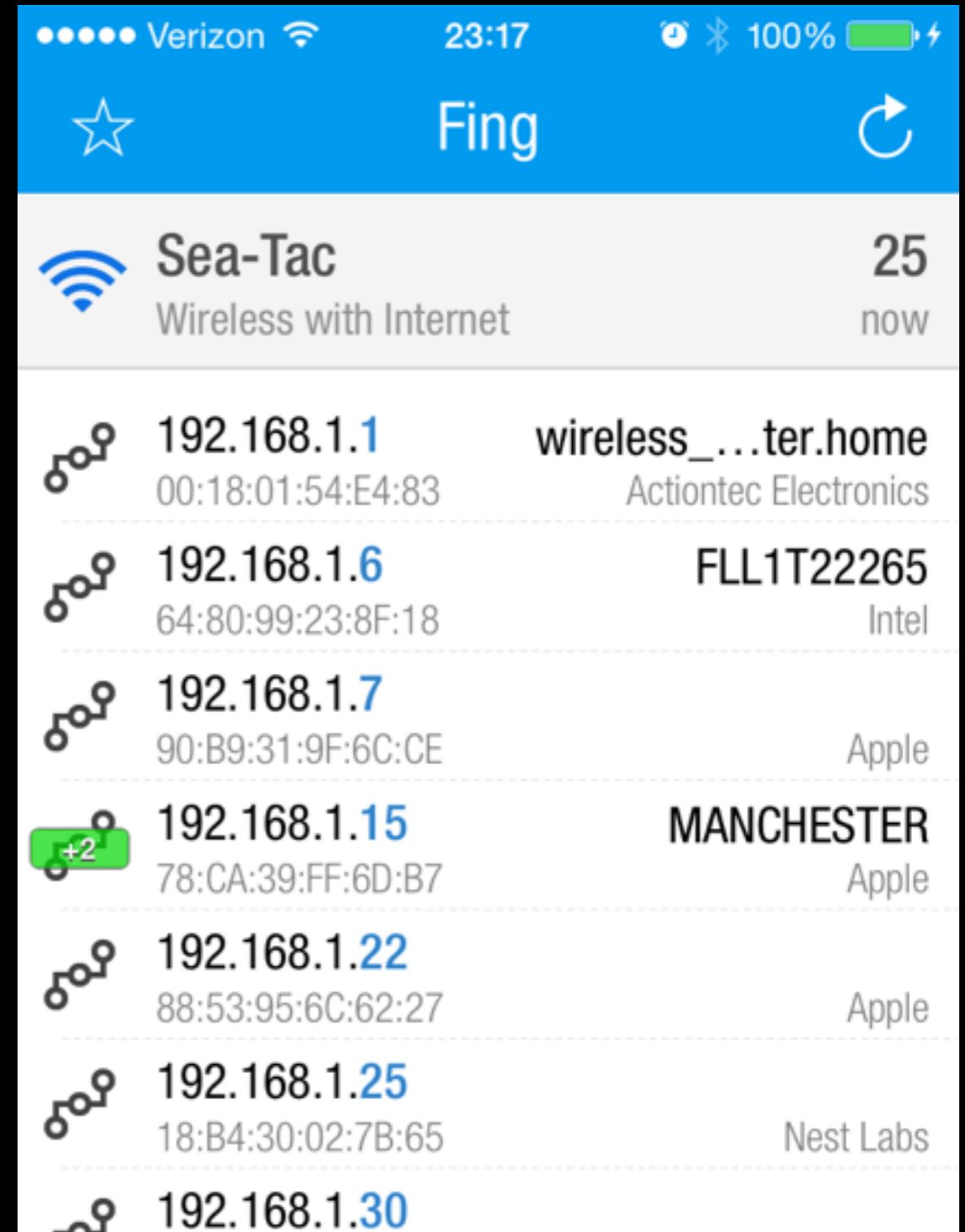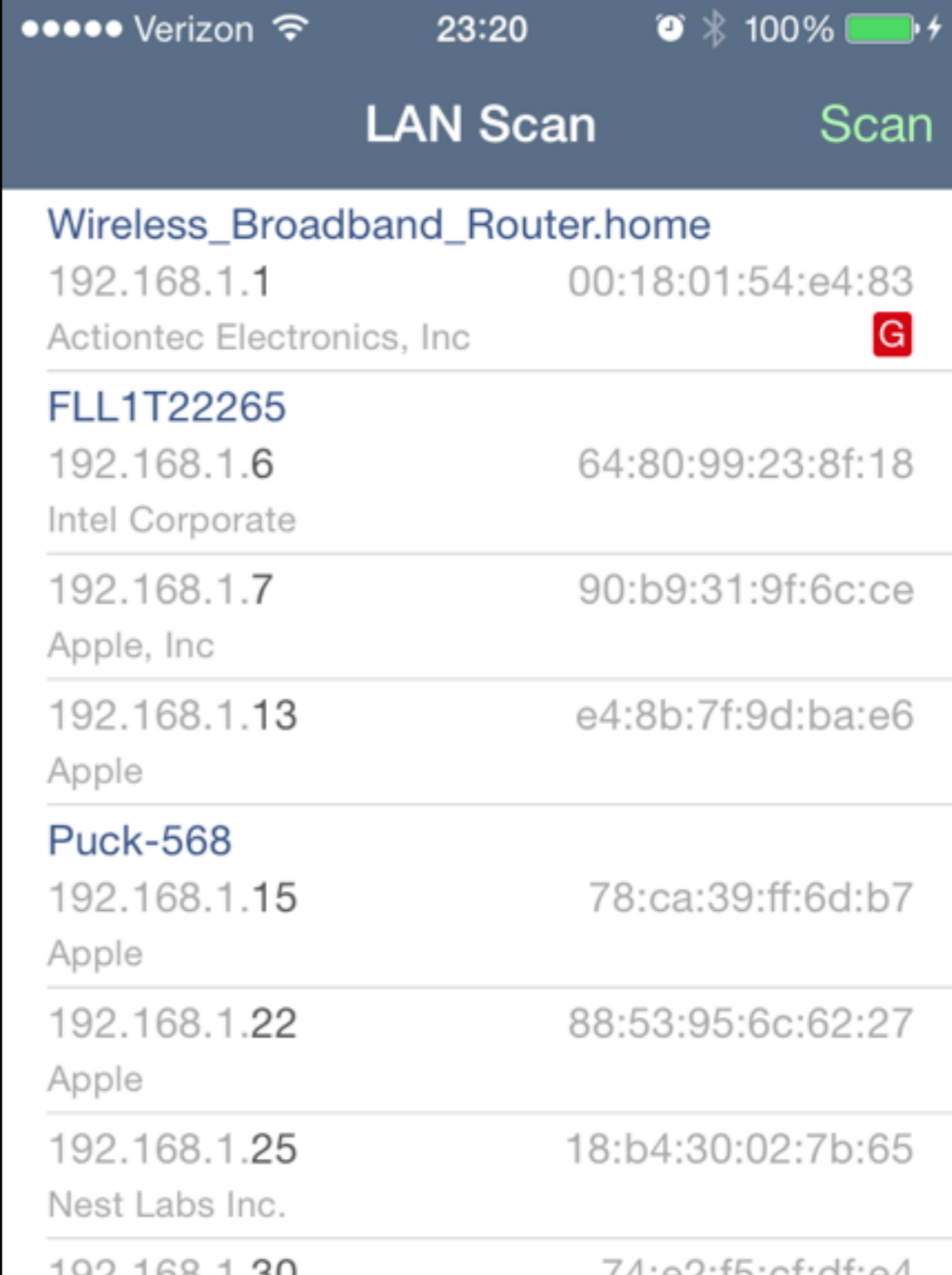| IP address	MAC address	Hostname	Vendor
192.168.1.1	00:18:01:54:e4:83		Actiontec Electronics, Inc
192.168.1.6	64:80:99:23:8f:18	FLL1T22265	Intel Corporate
192.168.1.7	90:b9:31:9f:6c:ce		Apple, Inc
192.168.1.13	e4:8b:7f:9d:ba:e6		Apple
192.168.1.15	78:ca:39:ff:6d:b7		Apple
192.168.1.22	88:53:95:6c:62:27		Apple
192.168.1.25	18:b4:30:02:7b:65		Nest Labs Inc.
192.168.1.30	74:e2:f5:cf:df:e4		Apple
192.168.1.33	68:a8:6d:a2:2b:32		Apple
192.168.1.34	70:56:81:e3:a5:05	Puck-568	Apple
192.168.1.35	98:d6:bb:10:c8:81	she*** Go Pro! ***	Apple
192.168.1.40	54:26:96:4c:22:67		Apple
192.168.1.100	00:1e:52:f6:81:3e	Sea*** Go Pro! ***	Apple
192.168.1.101	00:26:bb:6c:ab:3e	Hea*** Go Pro! ***	Apple
192.168.1.102	78:ca:39:ff:6d:b7	Man*** Go Pro! ***	Apple
192.168.1.103	00:23:a3:1b:d9:23		ARRIS Group, Inc.
192.168.1.104	f0:d1:a9:10:d0:92	BWI*** Go Pro! ***	Apple
192.168.1.201	40:6c:8f:1c:21:3c	but*** Go Pro! ***	Apple
192.168.1.205	00:1a:62:03:13:b5	ROO*** Go Pro! ***	Data Robotics, Incorporated
192.168.1.210	00:1e:8f:0e:6a:9f	000*** Go Pro! ***	CANON INC.
192.168.1.211	00:80:77:e6:0b:73	BRN*** Go Pro! ***	BROTHER INDUSTRIES, LTD.
192.168.1.212	98:4b:e1:36:ca:cc	hug*** Go Pro! ***	HewlettPackard Company
192.168.1.220	00:1f:5b:3d:33:d1	Xen*** Go Pro! ***	Apple
192.168.1.221	c8:2a:14:1f:28:ee	MadMax	Apple
192.168.1.222	c4:2c:03:35:a2:59	iMa*** Go Pro! ***	Apple
192.168.1.224	68:5b:35:c9:c5:66	Gra*** Go Pro! ***	Apple

Fing

iPad and iPhone, iTunes App Store; free

Excellent, fast, easy to use

●●●●● Verizon 📶   23:17   ⏰ ❋ 100% 🔋⚡

☆   **Fing**   ↻

📶 **Sea-Tac**   **25**
Wireless with Internet   now

192.168.1.1   wireless_...ter.home
00:18:01:54:E4:83   Actiontec Electronics

192.168.1.6   FLL1T22265
64:80:99:23:8F:18   Intel

192.168.1.7
90:B9:31:9F:6C:CE   Apple

+2 **192.168.1.15**   MANCHESTER
78:CA:39:FF:6D:B7   Apple

192.168.1.22
88:53:95:6C:62:27   Apple

192.168.1.25
18:B4:30:02:7B:65   Nest Labs

192.168.1.30

Net Analyzer Lite
iPad and iPhone, iTunes App Store; free

Has annoying advertising, but otherwise excellent.