

Subject: Competitive Phone Tracker 02/25

Date: Fri, 25 Feb 2011 22:54:28 +0000

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Hi all,

We've compiled a comprehensive list for all current and future flagship phones. We'll be adding new cellular competitors in an ongoing basis and will be extending this to other products in the future.

Jason Lor

iPod/iPhone New Tech

c: 408.862.2680



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State of Mobile 2011

iPod/iPhone New Tech

Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .002

Current Flagship Phones

Apple Need-To-Know Confidential

HTC

Apple Need-To-Know Confidential

HTC
EVO 4G

June 2010

Price & Carriers	\$199 w/ 2-year contract on Sprint
Operating System	Android 2.2
SoC & Memory	Qualcomm QSD 8650 (1.0GHz) 512MB RAM, 1GB NAND plus microSD slot
Network	CDMA 800/1900 MHz EVDO Rev. A WiMAX 2.5 to 2.7GHz; 802.16e
Battery & Charging	1500mAh microUSB
Display	4.3-inch LCD (480x800 pixel resolution) 217ppi
Camera	5MP auto-focus camera with LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11 b/g), Bluetooth 2.1 + EDR w/ stereo A2DP GPS, A-GPS, micro-HDMI , Wi-Fi router for 8 devices, FM
Dimensions	Width: 66mm (2.6 inches) Height: 122mm (4.8 inches) Thickness: 12.7mm (0.5 inches)
Weight	170 grams (6 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .005

Price & Carriers	\$99 w/ 2-year contract on T-Mobile
Operating System	Android 2.2
SoC & Memory	Qualcomm MSM 7230 (800MHz); 512MB RAM, 4GB NAND plus microSD slot
Network	GSM: 850/900/1800/1900 MHz UMTS: Band IV (1700/2100)
Battery & Charging	1300mAh microUSB
Display	3.7-inch LCD (480x800 pixel resolution), 252ppi
Camera	5MP auto-focus camera with LED flash 720p video recording
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS
Dimensions	Width: 60mm (2.36 inches) Height: 119mm (4.69 inches) Thickness: 14.2mm (0.56 inches)
Weight	180 grams (6.3 ounces)



Apple Need-To-Know Confidential

HTC

myTouch 4G

November 2010

Price & Carriers	\$99 w/ 2-year contract on Sprint
Operating System	Android 2.2
SoC & Memory	Qualcomm MSM 8255 Snapdragon (1.0GHz); 768MB RAM, 4GB NAND plus microSD slot
Network	GSM: 850/900/800/1900MHz UMTS: Band IV (1700/2100)
Battery & Charging	1400mAh microUSB
Display	3.8-inch LCD (480x800 pixel resolution), 246ppi
Camera	5MP auto-focus camera with LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS
Dimensions	Width: 62mm (2.44 inches) Height: 122mm (4.80 inches) Thickness: 10.9mm (0.43 inches)
Weight	153 grams (5.4 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .007

Price & Carriers	\$99 w/ 2-year contract on T-Mobile
Operating System	Windows Phone 7
SoC & Memory	Qualcomm QSD 8250 (1.0GHz) 512MB RAM, 16GB internal microSD
Network	GSM: 850/900/800/1900 MHz; UMTS: Band I (2100), Band IV (1700/2100)
Battery & Charging	1230mAh microUSB
Display	4.3-inch LCD (480x800 pixel resolution) 217ppi
Camera	5MP auto-focus camera with LED flash 720p video recording
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11b/g/), Bluetooth 2.1 + EDR w/ stereo A2DP GPS, FM
Dimensions	Width: 68mm (2.67 inches) Height: 122mm (4.8 inches) Thickness: 11.2mm (0.44 inches)
Weight	162 grams (5.7 ounces)



Apple Need-To-Know Confidential

Motorola

Apple Need-To-Know Confidential

Droid X

July 2010

Price & Carriers	\$150 w/ 2-year contract on Verizon
Operating System	Android 2.2
SoC & Memory	TI OMAP 3630 (1.0GHz) 512MB RAM, 8GB NAND plus microSD slot
Network	CDMA 800/1900, EVDO rev. A
Battery & Charging	1540mAh microUSB
Display	4.3-inch LCD (480x854 pixel resolution), 228ppi
Camera	8MP auto-focus camera with LED flash 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi (802.11b/g/n 5GHz), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS, Wi-Fi router functionality, micro-HDMI
Dimensions	Width: 65.5mm (2.58 inches) Height: 128mm (5.02 inches) Thickness: 9.9mm (0.39 inches)
Weight	155 grams (5.5 ounces)



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Defendant's Exhibit No. 712 . 010

Droid 2 Global

November 2010

Price & Carriers	\$199 w/ 2-year contract on Verizon
Operating System	Android 2.2
SoC & Memory	TI OMAP 3640 (1.2GHz); 512MB RAM, 8GB NAND plus microSD slot
Network	GSM 850/900/1800/1900 UMTS: 850/1900/2100, CDMA 800/1900 HSDPA 10.2 Mbps, CDMA EV-DO Release A (World Phone)
Battery & Charging	1420mAh microUSB
Display	3.7-inch LCD (480x854 pixel resolution), 265ppi
Camera	5MP auto-focus camera with LED flash 480p video recording
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS
Dimensions	Width: 61mm (2.38 inches) Height: 116mm (4.58 inches) Thickness: 13.7mm (0.54 inches)
Weight	169 grams (6.0 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 . 011

Price & Carriers	\$99 w/ 2-year contract on T-Mobile
Operating System	Android 2.2
SoC & Memory	TI OMAP 3620 (1.0GHz) 512MB RAM, 1GB NAND plus microSD slot
Network	GSM 850/900/1800/1900 UMTS: 850/1700/2100 HSDPA 10.1 Mbps, HSUPA 5.76 Mbps
Battery & Charging	1420mAh microUSB
Display	3.7-inch LCD (480x854 pixel resolution), 265ppi
Camera	5MP auto-focus camera with LED flash
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS, FM
Dimensions	Width: 60mm (2.35 inches) Height: 116mm (4.57 inches) Thickness: 14.5mm (0.57 inches)
Weight	175 grams (6.3 ounces)



Apple Need-To-Know Confidential

Samsung

Apple Need-To-Know Confidential

Samsung
Galaxy S

June 2010

Price & Carrier	\$50-199 w/ 2-year contract on AT&T, Verizon, Sprint & T-Mobile
Operating System	Android 2.1
SoC & Memory	1GHz Cortex A8 Hummingbird 512MB RAM, 16GB NAND plus microSD slot
Network	GSM/EDGE/GPRS 850/ 900/1800/1900 HSUPA 900/1900/2100
Battery & Charging	1500mAh microUSB
Display	4.0-inch AMOLED (480x800 pixel resolution), 233ppi, 16-bit color
Camera	5MP auto-focus camera with LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 3.0 + EDR w/ A2DP Stereo
Dimensions	Width: 64.2mm (2.53 inches) Height: 122.4mm (4.82 inches) Thickness: 9.9mm (0.39 inches)
Weight	118 grams (4.16 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .014

Samsung

Continuum

November 2010

Price & Carrier	\$99 on Verizon w/ 2-year contract on Verizon
Operating System	Android 2.1
SoC & Memory	1GHz Cortex A8 Hummingbird 384MB RAM, 2GB NAND plus microSD slot
Network	CDMA 800/1900
Battery & Charging	1500mAh microUSB
Display	3.4-inch LCD (480x800 pixel resolution) 1.8-inch ticker (480x96 pixel resolution) 233ppi
Camera	5MP auto-focus camera with LED flash, front VGA
Sensors	Accelerometer, ambient light, proximity
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 3.0 + EDR w/ A2DP Stereo
Dimensions	Width: 58mm (2.30 inches) Height: 125mm (4.94 inches) Thickness: 12mm (0.48 inches)
Weight	125 grams (4.41 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 . 015

Focus

November 2010

Price & Carrier	\$99 w/ 2-year contract on AT&T
Operating System	Windows Phone 7
SoC & Memory	Qualcomm Snapdragon MSM 8255 (1GHz) 512MB RAM, 8GB NAND with microSD slot
Network	GSM/GPRS/EDGE 850/900/1800/1900MHz UMTS: 850/1900/2100MHz
Battery & Charging	1500mAH microUSB
Display	4.0-inch AMOLED (480x800 pixel resolution), 233ppi
Camera	5MP autofocus camera with LED flash 720p video recording
Sensors	Accelerometer, Compass, Proximity & Light Sensor
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1, GPS, A-GPS, FM Radio
Dimensions	Width: 65mm (2.56 inches) Height: 123.0mm (4.84 inches) Thickness: 10.0mm (0.39 inches)
Weight	115 grams (4.07 ounces)



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Defendant's Exhibit No. 712 . 016

Nexus S

December 2010

Price & Carrier	\$529 unlocked or \$199 w/ 2-year contract on T-Mobile
Operating System	Android 2.3
SoC & Memory	1GHz Cortex A8 Hummingbird 512MB RAM, 16GB NAND
Network	GSM: 850/900/1800/1900, HSPA 900/2100/1900
Battery & Charging	1500mAh microUSB
Display	4.0-inch AMOLED (480x800 pixel resolution), 233ppi
Camera	5MP auto-focus camera with LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo, NFC
Dimensions	Width: 63mm (2.52 inches) Height: 124mm (4.37 inches) Thickness: 10.92mm (0.43 inches)
Weight	129 grams (5.5 ounces)



Apple Need-To-Know Confidential

LG

Apple Need-To-Know Confidential

LG

Optimus series

November 2010

Price & Carriers	Free to \$149 on Sprint, T-Mobile, metroPCS, Virgine Mobile, US Cellular
Operating System	Android 2.2
SoC & Memory (Sprint version)	Qualcomm MSM7627 (600 MHz); 512MB RAM, microSD slot
Network	CDMA: 1.9 GHz PCS, 800 MHz GSM: 850/900/1800/1900 MHz, 1700/2100 MHz
Battery & Charging	1500mAh microUSB
Display	3.2-inch LCD (320x480 pixel resolution), 180ppi
Camera	3.2MP auto-focus camera VGA video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi (802.11b/g), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS, Wi-Fi router functionality (up to 5 devices)
Dimensions (Sprint version)	Width: 58mm (2.28 inches) Height: 107mm (4.23 inches) Thickness: 11.9mm (0.47 inches)
Weight	115 grams (4.1 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 . 019

Nokia

Apple Need-To-Know Confidential

Price & Carrier	\$399 unlocked
Operating System	Symbian ³
SoC & Memory	OMAP 2420 680MHz, 256MB RAM 16GB NAND with microSD slot
Network	GSM/EDGE 850/900/1800/1900 WCDMA 850/900/1700/1900/2100
Battery & Charging	1200mAh microUSB
Display	3.5" OLED display (640x360 pixel resolution) 209ppi
Camera	12MP auto-focus camera w/ Xenon flash, front-facing VGA 720p video recording
Sensors	Accelerometer, Compass, Proximity & Ambient light sensors
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 3.0, HDMI, FM Radio, GPS, A-GPS
Dimensions	Width: 59mm (2.32 inches) Height: 114mm (4.49 inches) Thickness: 12.9mm (0.51 inches)
Weight	135 grams (4.76 ounces)



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Research in Motion

Apple Need-To-Know Confidential

RIM

BlackBerry Storm 2 9550

November 2009

Price & Carrier	\$99.99 on Verizon
Operating System	BlackBerry OS 5.0
SoC & Memory	processor unknown, 256MB RAM 2GB eMMC plus microSD slot
Network	GSM/GPRS/EDGE 850/900/1800/1900MHz UMTS/HSPA 2100MHz CDMA: 800/1900MHz/EV-DO rev A
Battery & Charging	1400mAh
Display	3.25-inch LCD (480x360 pixel resolution) 184ppi
Camera	3.2MP auto-focus camera with LED flash
Sensors	Accelerometer, ambient light & proximity
Connectivity	Wi-Fi (802.11 b/g), Bluetooth 2.0, GPS
Dimensions	Width: 62mm (2.45 inches) Height: 113mm (4.43 inches) Thickness: 13.0mm (0.55 inches)
Weight	160 grams (5.64 ounces)



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Defendant's Exhibit No. 712 .023

RIM

BlackBerry Torch

August 2010

Price & Carrier	\$499.99 USD on AT&T
Operating System	BlackBerry OS 6.0
SoC & Memory	624MHz processor, 512MB RAM 4GB eMMC plus microSD slot
Network	GSM/GPRS/EDGE 850/900/1800/1900 UMTS 2100/1900/850/800
Battery & Charging	1300mAh
Display	3.2-inch LCD (480x360 pixel resolution), 188ppi
Camera	5MP auto-focus camera w/ LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS
Dimensions	Width: 62mm (2.44 inches) Height: 111mm (4.37 inches) Thickness: 14.6mm (0.57 inches)
Weight	161 grams (5.7 ounces)



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Defendant's Exhibit No. 712 .024

Feature Highlights

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HTC
Surround

Feature Phone slides partially to reveal speaker grill

Engadget "We don't think any amount of audio postprocessing can make tiny phone speakers sound good... On a more positive note, the speakers do get nicely **loud without distortion**"

cnet "...the only thing its built-in speakers really add to the phone is weight."

Slashgear "It's certainly loud, but it lacks clarity and sharpness; the surround sound mode, meanwhile, is audibly different from the default setting, but we wouldn't say it was theater-like either."



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Feature Water-resistant and dustproof

Engadget

"Physically, the Defy is unusual in that it looks so... well, usual. Typically, ruggedized phones are overbuilt, over-engineered behemoths that are obviously designed to look tough, and that's just not the case with this one.

cnet

"The Motorola Defy is tough enough to withstand everyday hazards with its tough Gorilla glass and rugged exterior... its rough-and-tumble aesthetic isn't for everyone."

PC Magazine

"I dunked the Defy in a foot of water with the MP3 player going, and it continued playing without a problem. I couldn't stop the playback, though, because capacitive touch screens don't work when they're wet."



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Future Flagship Phones

Apple Need-To-Know Confidential

HTC

Apple Need-To-Know Confidential

HTC

Incredible S

Q2 2011

Price & Carrier	Unannounced
Operating System	Android 2.3
SoC & Memory	Qualcomm Snapdragon MSM8255 (1GHz), 768MB RAM 1.1GB internal storage with microSD expansion
Network	GSM/GPRS/EDGE 850/900/1800/1900MHz HSPA/WCDMA: 900/AWS/2100MHz
Battery & Charging	1450mAH microUSB
Display	4.0-inch LCD (480x800 pixel resolution), 233ppi
Camera	8MP autofocus camera w/ dual LED flash, 1.3MP front-facing 720p video recording
Sensors	Accelerometer, Digital Compass, Proximity & Light Sensor
Connectivity	Wi-Fi 802.11b/g/n, Bluetooth 2.1 with FTP/OPP & A2DP GPS, A-GPS
Dimensions	Width: 64mm (2.52 inches) Height: 120.0mm (4.72 inches) Thickness: 11.7mm (0.46 inches)
Weight	135.5grams (4.78 ounces)



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Defendant's Exhibit No. 712 .030

HTC

Desire S

Q2 2011

Price & Carrier	Unannounced
Operating System	Android 2.3
SoC & Memory	Qualcomm Snapdragon MSM8255 (1GHz), 768MB RAM 1.1GB internal storage w/ microSD expansion
Network	GSM/GPRS/EDGE 850/900/1800/1900MHz HSPA/WCDMA: 900/2100MHz
Battery & Charging	1450mAh microUSB
Display	3.7-inch LCD (480x800 pixel resolution), 252ppi
Camera	5MP autofocus camera w/ LED flash, front-facing VGA 720p video recording
Sensors	Accelerometer, Digital Compass, Proximity & Light Sensor
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 with FTP/OPP & A2DP GPS, A-GPS
Dimensions	Width: 59.8mm (2.35 inches) Height: 115.0mm (4.53 inches) Thickness: 11.63mm (0.46 inches)
Weight	130.0grams (4.59 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .031

HTC

Wildfire S

Q2 2011

Price & Carrier	Unannounced
Operating System	Android 2.3
SoC & Memory	Qualcomm Snapdragon MSM 8255 (600MHz), 512MB RAM 512MB ROM & microSD memory expansion
Network	GSM/GPRS/EDGE 850/900/1800/1900MHz HSPA/WCDMA 900/2100MHz
Battery & Charging	1230mAH microUSB
Display	3.2-inch LCD (320x480 pixel resolution), 180ppi
Camera	5MP autofocus camera w/ LED flash video recording
Sensors	Accelerometer, Digital Compass, Proximity & Light Sensor
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 3.0 with FTP/OPP & A2DP GPS, A-GPS
Dimensions	Width: 59.4mm (2.34 inches) Height: 101.3mm (3.99 inches) Thickness: 12.4mm (0.49 inches)
Weight	105grams (3.7 ounces)



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Defendant's Exhibit No. 712 .032

Motorola

Apple Need-To-Know Confidential

Motorola Atrix

February 2011

Price & Carriers	\$199 w/ 2-year contract on AT&T
Operating System	Android 2.2
SoC & Memory	NVIDIA Tegra 2 dual-core (1.0GHz) 1GB RAM, 16GB NAND plus microSD slot
Network	GSM: 850/900/1800/1900 UMTS: 850/1900/2100 HSDPA+ 14Mbps
Battery & Charging	1930mAh microUSB
Display	4.0-inch LCD (540x960 pixel resolution), 275ppi
Camera	5MP auto-focus camera with LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity & compass
Connectivity	Wi-Fi (802.11b/g/n), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS, micro-HDMI, HDMI & laptop docks (right image)
Dimensions	Width: 64mm (2.50 inches) Height: 118mm (4.64 inches) Thickness: 11.0mm (0.43 inches)
Weight	135 grams (4.8 ounces)



Apple Need-To-Know Confidential

Motorola

Droid Bionic LTE 4G

Q2 2011

Price & Carrier	599 USD on Verizon Wireless
Operating System	Android 2.2
SoC & Memory	NVIDIA Tegra 2 (dual-core) 1.0GHz, 512MB RAM 2GB ROM w/ microSD expansion
Network	CDMA 800/1900, LTE 700 CDMA2000 1xEV-DO / LTE
Battery & Charging	1930mAH microUSB
Display	4.3-inch LCD (540x960 pixel resolution) 256ppi, 16-bit color
Camera	8MP camera w/ dual LED flash, 0.3MP front-facing 720p video recording
Sensors	Accelerometer, Digital Compass, Proximity & Light Sensor
Connectivity	Wi-Fi 802.11b/g/n, Bluetooth 2.1 w/ EDR & A2DP, GPS, A-GPS
Dimensions	Width: 66.9mm (2.63 inches) Height: 125.9mm (4.96 inches) Thickness: 13.3mm (0.52 inches)
Weight	158grams (5.57 ounces)



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Defendant's Exhibit No. 712 .035

Samsung

Apple Need-To-Know Confidential

Samsung

Galaxy S II

Q1 2011

Price & Carrier	599 EUR (\$814 USD) & unannounced
Operating System	Android 2.3
SoC & Memory	1.0GHz dual-core, 1024MB RAM 16GB internal storage w/ microSD slot
Network	GSM 800/900/1800/1900, UMTS 850/1900/2100, EDGE, UMTS/HSPA 800/850/1900/2100
Battery & Charging	1600mAh microUSB
Display	4.3-inch LCD (480x800 pixel resolution), 218ppi, 16-bit color
Camera	8MP auto-focus camera w/ LED flash, 2MP front-facing 720p video recording w/ video light
Sensors	Accelerometer, ambient light, gyroscope, proximity, & compass
Connectivity	Wi-Fi 802.11b/g/n, Bluetooth 3.0 w/ EDR & A2DP, GPS, A-GPS, FM Radio, NFC
Dimensions	Width: 66.1 mm (2.6 inches) Height: 125.3mm (4.93 inches) Thickness: 8.49mm (0.33 inches)
Weight	116 grams (4.09 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .037

Samsung

Infuse 4G

Q1 2011

Price & Carrier	599 EUR (\$814 USD) & unannounced
Operating System	Android 2.3
SoC & Memory	1.2GHz Humming Bird, 1024MB RAM 16GB internal storage w/ microSD slot
Network	GSM 800/900/1800/1900, UMTS 850/1900/2100, EDGE, UMTS/HSPA 800/850/1900/2100
Battery & Charging	1750mAh microUSB
Display	4.5-inch LCD (480x800 pixel resolution), 207ppi, 16-bit color
Camera	8MP auto-focus camera w/ LED flash, 1.3MP front-facing 1080p video recording
Sensors	Accelerometer, ambient light, gyroscope, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS
Dimensions	
Weight	



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 .038

LG

Apple Need-To-Know Confidential

LG

Optimus 2X

April 2011

Price & Carrier	499 EUR & unannounced
Operating System	Android 2.2
SoC & Memory	NVIDIA Tegra 2 (dual-core) 1.0GHz 512MB RAM
Network	GSM 800/900/1800/1900, EDGE, UMTS/HSPA 900/2100
Battery & Charging	1500mAh microUSB
Display	4-inch LCD (480x800 pixel resolution), 233ppi, 16-bit color
Camera	8MP camera w/ LED flash, 1.3MP front-facing 1080p video recording
Sensors	Accelerometer, ambient light, gyroscope, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS
Dimensions	Width: 63.2mm (2.49 inches) Height: 123.9mm (4.88 inches) Thickness: 10.9mm (0.43 inches)
Weight	139 grams (4.90 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 . 040

LG

Optimus Black

April 2011

Price & Carrier	499 EUR & unannounced
Operating System	Android 2.2
SoC & Memory	Texas Instruments OMAP 3630 (1GHz) 512MB RAM
Network	GSM 800/900/1800/1900, EDGE, UMTS/HSPA 900/2100
Battery & Charging	1500mAh microUSB
Display	4-inch LCD (480x800 pixel resolution), 700cd/m ² brightness 233ppi
Camera	5MP camera w/ LED flash, 2MP front-facing 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS
Dimensions	Width: 64.0mm (2.52 inches) Height: 122.0mm (4.80 inches) Thickness: 9.2mm (0.36 inches)
Weight	109 grams (3.84 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 . 041

LG

Optimus 3D

April 2011

Price & Carrier	499 EUR & unannounced
Operating System	Android 2.2
SoC & Memory	Texas Instruments OMAP4 ARM Cortex-A9 dual-core (1GHz) 512MB RAM
Network	GSM 800/900/1800/1900, EDGE, UMTS/HSPA 900/2100
Battery & Charging	1500mAh microUSB
Display	4.3-inch autostereoscopic LCD (480x800 pixel resolution) 218ppi, 16-bit color
Camera	5MP camera w/ LED flash, 1.3MP front-facing 1080p 3D video recording
Sensors	Accelerometer, ambient light, gyroscope, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS
Dimensions	Width: 68.0mm (2.68 inches) Height: 128.8mm (5.07 inches) Thickness: 11.9mm (0.47 inches)
Weight	168 grams (4.90 ounces)



Apple Need-To-Know Confidential

Defendant's Exhibit No. 712 . 042

Sony Ericsson

Apple Need-To-Know Confidential

Xperia arc

April 2011

Price & Carrier	599 EUR (\$814 USD) & unannounced
Operating System	Android 2.3
SoC & Memory	Qualcomm MSM8255 (1.0GHz); 512MB RAM
Network	GSM 800/900/1800/1900, UMTS 850/1900/2100, EDGE, UMTS/HSPA 800/850/1900/2100
Battery & Charging	1500mAh microUSB
Display	4.2-inch LCD (480x854 pixel resolution), 233ppi
Camera	8.1MP auto-focus camera w/ LED flash 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS, FM Radio
Dimensions	Width: 63.0mm (2.5 inches) Height: 125.0mm (4.9 inches) Thickness: 8.7mm (0.3 inches) (at thinnest point)
Weight	117 grams (4.1 ounces)



Apple Need-To-Know Confidential

Xperia neo

March 2011

Price & Carrier	479 EUR (\$651 USD) & unannounced
Operating System	Android 2.3
SoC & Memory	Qualcomm MSM8255 (1.0GHz); 512MB RAM
Network	GSM 800/900/1800/1900, UMTS 850/1900/2100, EDGE, UMTS/HSPA 800/850/1900/2100
Battery & Charging	1500mAh microUSB
Display	3.7-inch LCD (480x854 pixel resolution), 265ppi, 16-bit color
Camera	8.1MP auto-focus camera w/ LED flash 720p video recording w/ video light
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS, FM Radio
Dimensions	Width: 57.0mm (2.2 inches) Height: 116.0mm (4.6 inches) Thickness: 13.0mm (0.5 inches)
Weight	126 grams (4.4 ounces)



Apple Need-To-Know Conti

Xperia PLAY

April 2011

Price & Carrier	649 EUR (\$882 USD) & unannounced
Operating System	Android 2.3, plays PSP games
SoC & Memory	Qualcomm MSM8255 (1.0GHz); 512MB RAM
Network	GSM 800/900/1800/1900, UMTS 850/1900/2100, EDGE, UMTS/HSPA 800/850/1900/2100
Battery & Charging	1500mAh microUSB
Display	4.2-inch LCD (480x854 pixel resolution), 233ppi, 16-bit color
Camera	8.1MP auto-focus camera w/ LED flash 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass, dual-shock joysticks
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS
Dimensions	Width: 62.0mm (2.4 inches) Height: 119mm (4.7 inches) Thickness: 16.0mm (0.6 inches)
Weight	117 grams (4.1 ounces)



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Defendant's Exhibit No. 712 . 046

Xperia Pro

April 2011

Price & Carrier	unannounced
Operating System	Android 2.3
SoC & Memory	Qualcomm MSM8255 (1.0GHz); 512MB RAM
Network	GSM 800/900/1800/1900, UMTS 850/1900/2100, EDGE, UMTS/HSPA 800/850/1900/2100
Battery & Charging	1500mAh microUSB
Display	3.7-inch LCD (480x854 pixel resolution), 265ppi
Camera	8.1MP auto-focus camera w/ LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi, Bluetooth, GPS, A-GPS
Dimensions	Width: 57mm (2.24 inches) Height: 120mm (4.72 inches) Thickness: 13.7mm (0.53 inches)
Weight	140 grams (4.94 ounces)



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HP/Palm

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Price & Carrier	Unannounced
Operating System	webOS 3.0
SoC & Memory	Qualcomm MSM 8x55 single-core (1.4GHz); 512MB RAM
Network	n/a
Battery & Charging	1230mAh microUSB & Inductive (Touchstone)
Display	3.58-inch LCD (480x800 pixel resolution), 261ppi
Camera	5MP auto-focus camera with LED flash, front VGA 720p video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi (802.11a/b/g/n 5GHz), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS, Wi-Fi router functionality (up to 5 devices)
Dimensions	Width: 64.0mm (2.52 inches) Height: 111.0mm (4.37 inches) Thickness: 16.0mm (0.63 inches)
Weight	156 grams (5.5 ounces)



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Price & Carrier	Unannounced
Operating System	webOS 2.2
SoC & Memory	Qualcomm MSM7230 single-core SoC 800MHz 512MB RAM
Network	GSM/EDGE 850/900/1800/1900 HSDPA 7.2/HSUPA 5.76
Battery & Charging	910mAh Inductive (Touchstone)
Display	2.6-inch LCD (320x400 pixel resolution) 197ppi
Camera	5MP auto-focus camera video recording
Sensors	Accelerometer, ambient light, proximity, & compass
Connectivity	Wi-Fi (802.11a/b/g/n 5GHz), Bluetooth 2.1 + EDR w/ A2DP Stereo GPS, A-GPS, Wi-Fi router functionality (up to 5 devices), magnetic port for 3.5mm & microSD adapter
Dimensions	Width: 54.5mm (2.15 inches) Height: 84.0mm (3.31 inches) Thickness: 15.1mm (0.59 inches)
Weight	103 grams (3.63 ounces)

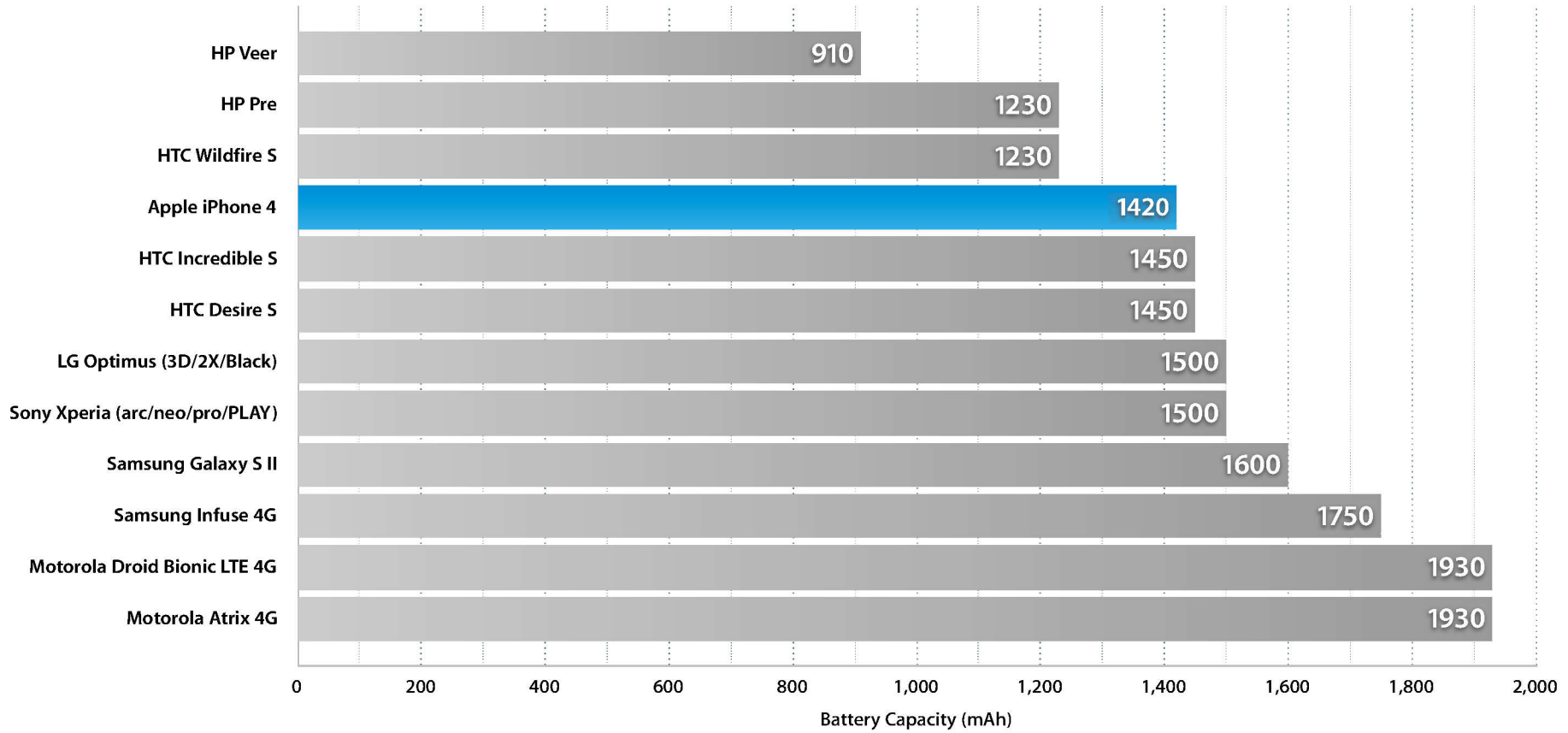


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Analysis of Future Flagship Devices

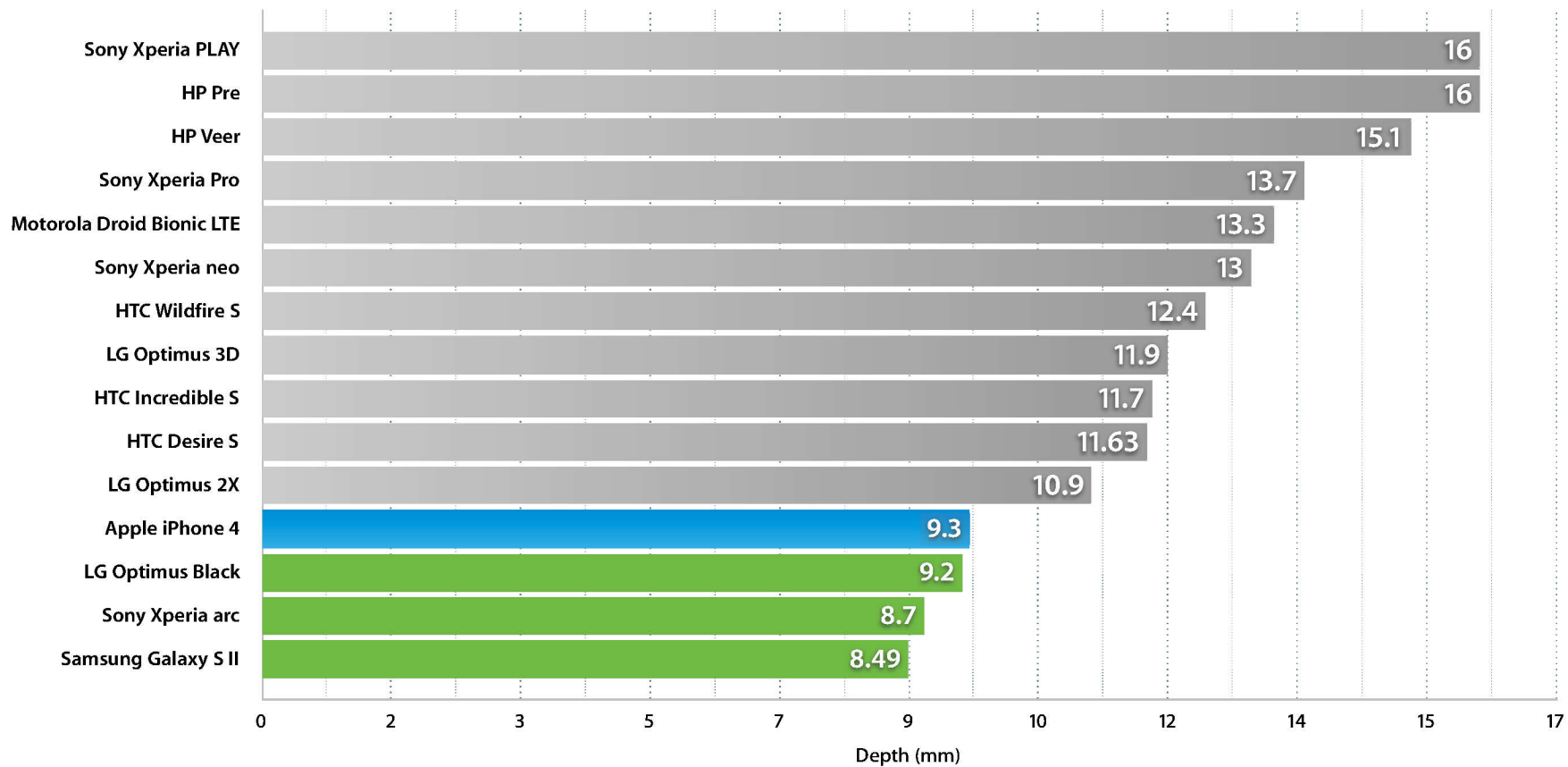
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Comparison of battery capacity (mAh)



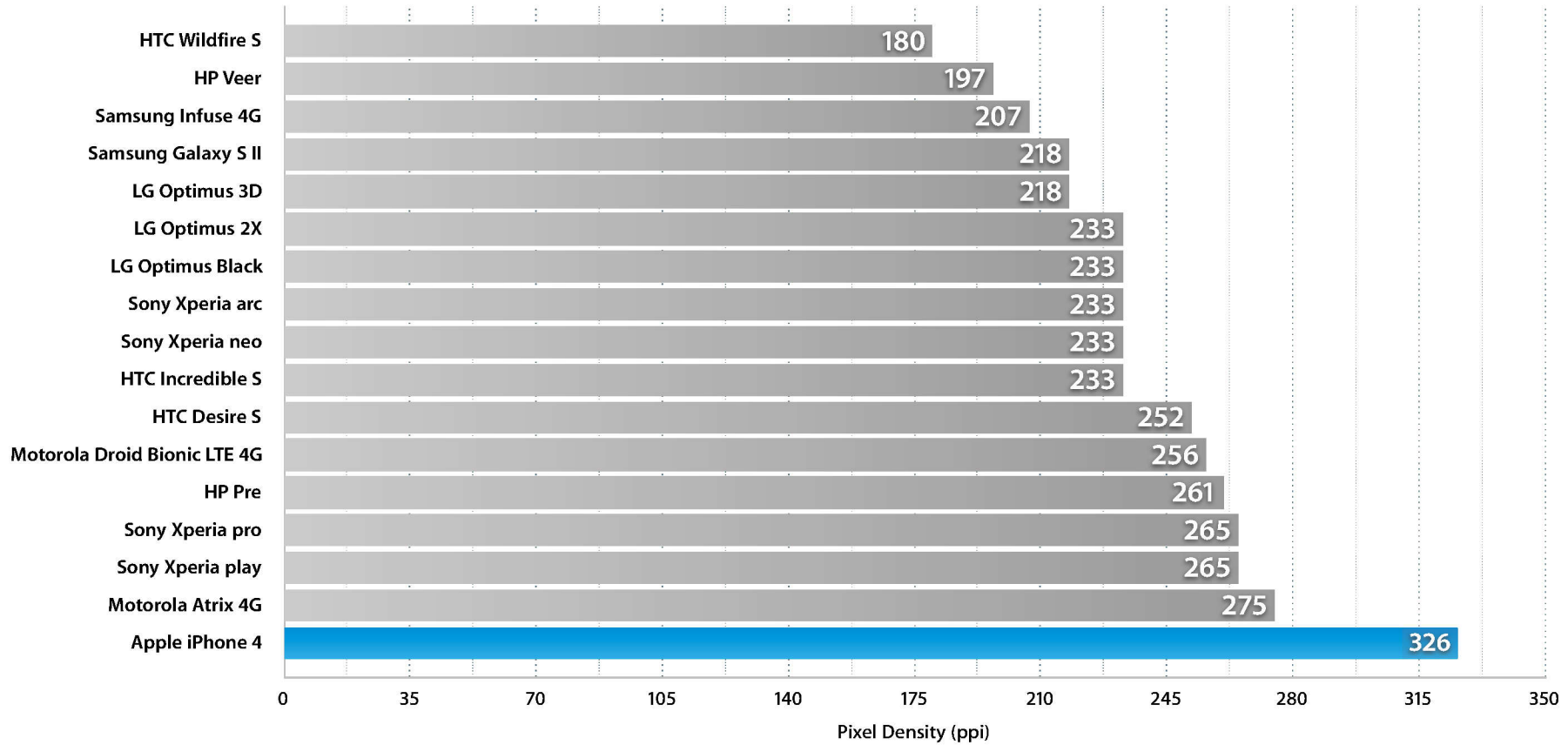
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Comparison of device depth (mm)



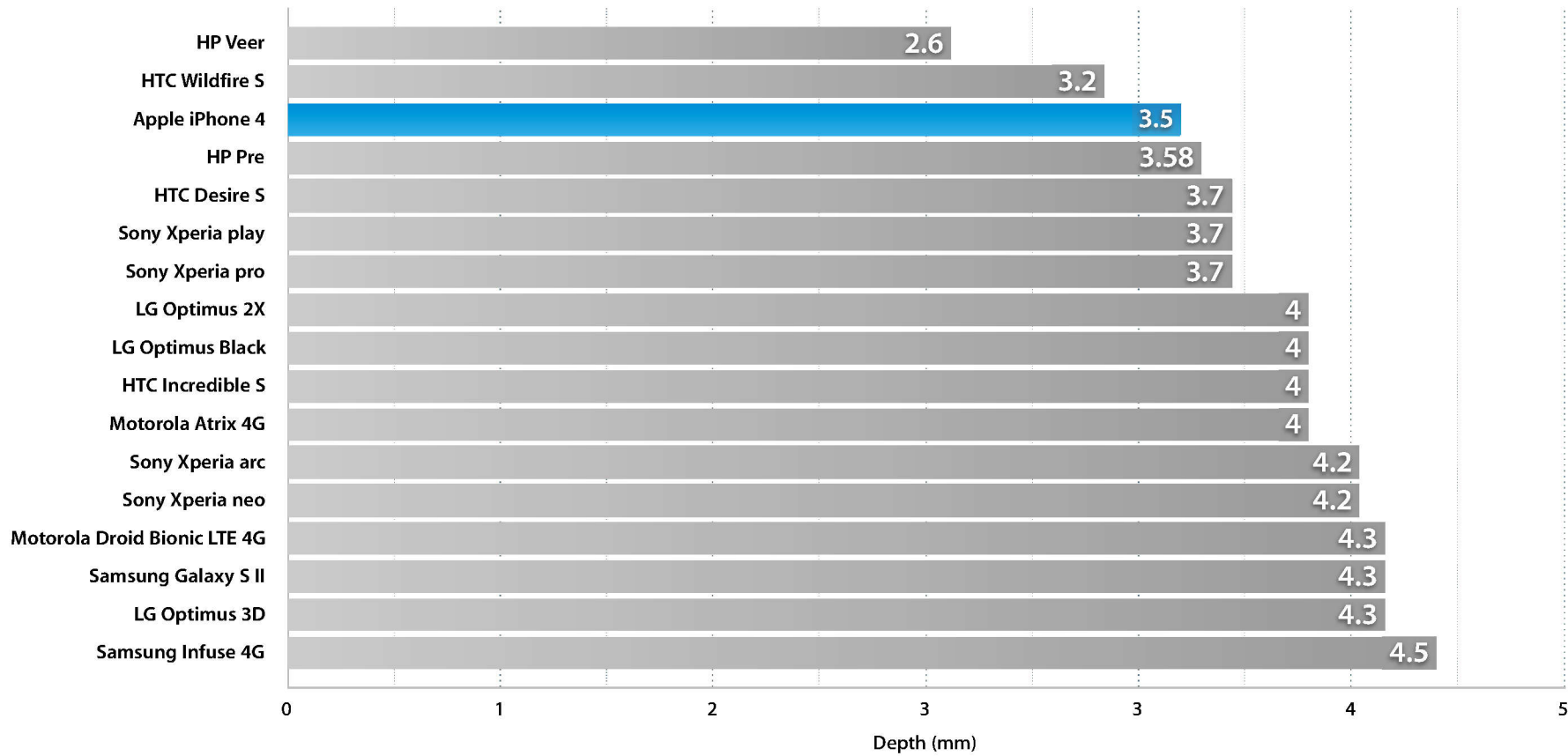
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Comparison of display pixel density



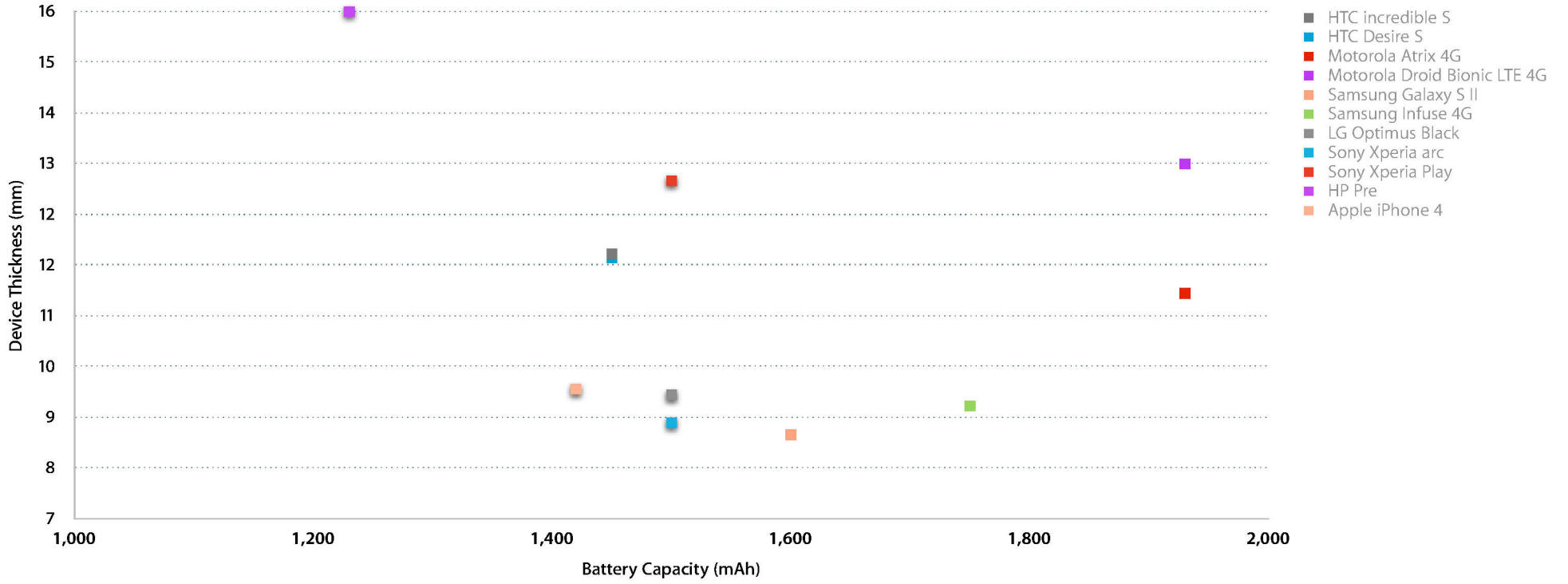
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Comparison of screen size



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Battery Capacity vs. Device Thickness



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