

Appendix 1

Apple Third-Party Suppliers

Apple Third-Party Supplier	Component(s) Manufactured	Source	Relevant Asserted Patent(s)	Third Party Texas Location(s)
Broadcom Inc.	GPS chipset; WiFi chipset; Bluetooth chipset; Front End components (e.g., power amplifier, power tracker)	Ex. 46; Ex. 47	317, 999, 498, 794, 991, 438, 586, 193	Austin
Cirrus Logic, Inc.	Audio Chips	Ex. 48	193, 794, 991	Austin (HQ)
Dialog Semiconductor PLC	Power management components	Ex. 49	794	
Flex, Ltd.	Mac Pro Computers	Ex. 29	438, 991, 586	Austin
Intel Corporation	Cellular Chipset	Ex. 30	193, 317, 999, 498, 991, 794	Austin
Murata Manufacturing Co, Ltd.	Antenna	Ex. 31	193, 317, 999, 498	Carrollton
NXP Semiconductors N.V.	NFC chipset	Ex. 33	794	Austin (U.S. HQ)
Qorvo, Inc.	Radio Frequency Chips	Ex. 34	193, 794, 317, 999, 498	Farmers Branch, Houston, and Richardson
Qualcomm Incorporated	Cellular Chipset	Ex. 35	193, 317, 999, 498, 991, 794	Austin and Richardson
Samsung Display Co., Ltd.	OLED display	Ex. 36	317, 999, 498, 794, 438, 991, 493, 586	Houston
Samsung Austin Semiconductor, LLC	Application Processor/Chips	Ex. 38	317, 999, 498, 794, 438, 991, 493, 586, 193, 306	Austin
Skyworks Solutions, Inc.	Front End components (e.g., power amplifier, power tracker)	Ex. 39	193, 794	
Sony Corporation	Camera and image sensors	Ex. 40	493, 991	
STMicroelectronics, Inc.	Camera	Ex. 41	493, 991	Austin and Coppel
Texas Instrument, Inc.	Battery and related power management components	Ex. 42	794	Dallas (HQ)
Toshiba Memory America, Inc.	Memory	Ex. 44	794, 586, 193, 306	El Paso, Houston, and Austin
Universal Scientific Industrial Co. Ltd.	WiFi chipset; Bluetooth chipset	Ex. 45	317, 999, 498, 794, 991, 438, 586	