Infringement Claim Chart for the Infringement of Independent Claim 1 of U.S. Patent No. 6,603,343 by Apple

	Claim	Application to USI 339M00104 used in Exemplary Apple iPhone 12 Pro
1(a)	A phase correction circuit for a transistor, comprising:	Arigna makes these contentions based on the information reasonably available at this time. Its investigation is ongoing. Defendant Apple Inc. has not produced documents concerning its infringement of U.S. Patent 6,603,343 (the "'343 Patent"). Claim construction proceedings have not commenced. Invalidity contentions have not been served. Arigna reserves its right to modify, supplement, and/or amend these contentions as additional evidence and information becomes available, including in light of discovery, invalidity contentions, prior art, claim construction, or any information provided by Apple or any other party or nonparty to this action. The Universal Scientific Industrial 339M00104 semiconductor device is a device that enables mobile devices, such as smartphones and tablets, to connect to 5G mobile networks. See, e.g.:
		The USI 339M00104 includes within it the HG11-PG660-200 RF die. Defendant Apple makes, uses, sells, offers for sale, and/or imports mobile devices that contain the USI 339M00104. For example, the exemplary Apple iPhone 12 Pro incorporates the USI 339M00104. See, e.g.:

EXHIBIT 1007

DOCKET ALARM Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

1



DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

	Products. On information and belief, Apple's other Accused Products, as identified in Arigna's Disclosures pursuant to this Court's November 17, 2021 Standing Order Governing Proceedings – Patent Cases, infringe the '343 Patent in a manner identical or substantially similar to that described below and depicted for the Apple iPhone 12 Pro. These other Accused Products, including the iPhone 12, iPhone 12 Mini, iPhone 12 Pro Max, iPhone 13, iPhone 13 Pro, iPhone 13 mini, and iPhone 13 Pro Max, contain mmWave antenna modules or components including, e.g., the USI 339M00104, Murata 1XR-484, Murata 1V4B, Murata 1V4K, Qualcomm SMR525, Qualcomm SMR526, and/or other mmWave antenna modules or components that, on information and belief, contain an HG11-PG660-200 RF die or substantially similar RF die. As shown in this claim chart, the HG11-PG660-200 RF die infringes claim 1 of the '343 Patent. See <i>infra</i> . Because antenna modules or components of the other Apple Accused Products contain the HG11-PG660-200 RF die just as does the USI 339M00104 antenna module in the exemplary Apple iPhone 12 Pro charted herein, or an RF die substantially similar to the HG11-PG660-200 RF die, on information and belief, there are no material differences between the accused instrumentalities that affect Arigna's infringement theories for the other Apple Accused Products not specifically charted herein.
	The images and circuit diagrams herein are provided to further explain Arigna's infringement theory but are exemplary and not limiting. The absence or incompleteness of an image or circuit diagram, if any, should not be construed as any kind of disclaimer of any infringement by similar or substantially similar functionality.

DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

As '34	shown in this claim chart, the HG11-PG660-200 RF die in the USI 339M00104 infringes claim 1 of the 3 Patent. See <i>infra</i> .
To circ PG	the extent this preamble is considered limiting, the HG11-PG660-200 RF die contains a phase correction cuit for a transistor. For example, the following annotated and exemplary circuit diagram of the HG11- i660-200 RF die identifies a power amplifier stage (boxed in gold). See, e.g.:





DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

DOCKET



Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

