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UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
SAN JOSE DIVISION

CHRISTINA GRACE, et al.,
Plaintiffs,
v.
APPLE, INC.,
Defendant.

Case No. 17-CV-00551-LHK

**ORDER DENYING APPLE’S MOTION
FOR SUMMARY JUDGMENT**

Re: Dkt. No. 278

Plaintiffs Christina Grace and Ken Potter (collectively, “Plaintiffs”) bring this class action against Defendant Apple, Inc. (“Apple”) for trespass to chattels and violation of California’s Unfair Competition Law (“UCL”). Plaintiffs’ action arises from the events of April 16, 2014, when Apple’s FaceTime feature stopped working for owners of Apple’s iPhone 4 and iPhone 4s devices who were running Apple’s iOS 6 operating system. Before the Court is Apple’s motion for summary judgment on both of Plaintiffs’ claims. Having considered the parties’ submissions, the relevant law, and the record in this case, the Court DENIES Apple’s motion for summary judgment.

I. BACKGROUND

A. Factual Background

1 certificates, which ensure the security of data transmitted on iOS. Jones Report at 7. One
2 particular digital certificate, the iPhone Device CA certificate, is at issue in the instant case. Apple
3 designed the iPhone Device CA certificate in 2007 as part of a certificate system used to verify the
4 identity of iPhones. *Id.* at 8. On March 22, 2007, Apple set the iPhone Device CA certificate to
5 expire after 14.5 years. ECF No. 277, Ex. 2 at 778. Four days later, on March 26, 2007, Apple
6 amended the expiration date and set the iPhone Device CA certificate to expire after 7 years. ECF
7 No. 277, Ex. 3 at 881.

8 According to Apple’s security expert, Avi Rubin, certificates are designed with expiration
9 dates for security reasons, because “the concern is that keys can get compromised over time.”
10 ECF No. 285, Ex. 27 (“Rubin Depo.”), at 105:13-21. However, when a given certificate expires,
11 any services that check that certificate’s expiration date will fail. *Id.* at 176:1-4. Accordingly,
12 Rubin testified that for “[m]any of the services, there’s the expectation that they will renew the
13 certificate and then the service won’t fail.” *Id.* at 176:11-14.

14 Notably, in 2010, Apple designed FaceTime to use the iPhone Device CA certificate.
15 Jones Report at 24–25. FaceTime used the iPhone Device CA certificate to verify whether the
16 device on the other end of a FaceTime call was also an Apple product, and thus compatible for a
17 FaceTime connection. *Id.* at 24.

18 **3. Apple is Forced to Use the Relay Method for All FaceTime Connections**

19 On November 7, 2012, a jury found that Apple’s use of the peer-to-peer method to connect
20 FaceTime calls infringed patents owned by VirnetX, Inc. Jones Report at 27; *see* ECF No. 285,
21 Ex. 10 at 2. The district court in the patent infringement case ordered Apple to pay VirnetX an
22 ongoing royalty rate. *Id.* at 1. To avoid paying royalties to VirnetX, Apple eliminated the peer-to-
23 peer method for FaceTime calls and instead used only the relay method. ECF No. 285, Ex. 11 at
24 220. Thus, beginning in June 2013, all FaceTime calls on devices using iOS 6 or earlier operating
25 systems connected via the relay method 100% of the time. *Id.* However, Apple’s shift to
26 exclusive use of the relay method meant that Apple’s fees to use Akamai’s relay servers increased
27 substantially. *Id.*

1 **4. In iOS7, Apple Reduces its Reliance on the Relay Method**

2 In early 2013, Apple began to explore options for decreasing relay usage for FaceTime
3 calls in future versions of iOS, so as to avoid the increased fees associated with the relay method.
4 ECF No. 285, Ex. 16. According to a March 2013 Apple presentation, Apple’s explicit goal was
5 to “[r]educe FaceTime relay usage as much as possible” because “Apple pays for all the relay
6 bandwidth.” ECF No. 285, Ex. 19 at 070. Thus, in iOS 7, released on September 18, 2013, Apple
7 implemented a new peer-to-peer connection method for FaceTime, which avoided the relay
8 method and reduced Apple’s costs. ECF No. 285, Ex. 18; Jones Report at 30.

9 However, some iPhone 4 and iPhone 4S users resisted upgrading to iOS 7, as there is
10 evidence that the processors in the iPhone 4 and iPhone 4S were not well suited for iOS 7, and
11 iPhone 4 and iPhone 4S users experienced performance regressions in iOS7. Jones Report at 63–
12 65. Moreover, iPhone users who transitioned to iOS 7 could not revert back to earlier versions of
13 iOS 7. ECF No. 66 (“Answer”), ¶ 79. Thus, iPhone 4 and iPhone 4S users who did not upgrade
14 to iOS7 were still using the more expensive (to Apple) relay method for FaceTime calls.

15 **5. Apple Recognizes That the iPhone Device CA Certificate Will Expire and That**
16 **FaceTime Will Fail Absent a Solution**

17 As early as February 2013, Apple became aware that the iPhone Device CA certificate
18 would expire on April 16, 2014. *See* ECF No. 285, Ex. 33 at 801. According to Apple engineer
19 Gigi Choy, Apple’s Public Key Infrastructure (“PKI”) services team “issue[s] and manage[s]
20 digital certificates for Apple,” and checks the expiration dates of digital certificates. ECF No. 285,
21 Ex. 31 (“Choy Depo.”), 22:5-10. As part of the process, the PKI services team determines
22 whether a certificate is still needed and helps determine whether to create “a new version of that
23 certificate when their certificate expires.” *Id.* at 125:8-13.

24 Apple began that certificate expiration review process with the iPhone Device CA
25 certificate. In an April 2013 email, Choy stated that Apple needed to determine “what may break”
26 when the iPhone Device CA certificate expired on April 16, 2014, and mitigate any service
27 outages: “The desire is to identify what may break when the iPhone Device SubCA [iPhone

1 Device CA certificate] expires and determine if there is anything can be done to mitigate potential
2 service outages. We should probably also determine the plan for renewing this SubCA before its
3 expiration.” ECF No. 285, Ex. 32 at 810. By October 2013, Apple’s PKI team was aware that
4 FaceTime and any other Apple service that checked the expiration date of the iPhone Device CA
5 certificate would fail when the iPhone Device CA certificate expired: “The first issue is that the
6 CA expires April 16, 2014. As a consequence, services that check certificate expiration (as
7 FaceTime is known to do so) will cease to function when the date comes.” ECF No. 285, Ex. 37
8 at 224. Apple referred to the pending certificate expiration and its effect on FaceTime as a “time
9 bomb”: “[T]he goal is to see if there’s just one issue/case we still have to fix, or if there are
10 multiple time bombs in iOS or OS X.” ECF No. 285, Ex. 40 at 120.

11 Apple’s inquiry into what services would be affected by the iPhone Device CA certificate
12 expiration was consistent with its practice and industry practice. Choy testified that “[i]f a service
13 is expecting a certificate to be used, then – and they continue – and they expect going forward it
14 will also continue to be used, then, I mean, that’s a case of when they – why they would need to
15 renew.” Choy Depo. at 143:19-24. Likewise, Apple’s computing expert, Avi Rubin, testified that
16 renewing certificates is standard industry practice:

17 And so if Apple didn’t do something like issuing certificates, then calls would fail.
18 But that’s – that’s really standard in the industry, because anytime you have
19 expirations, the idea is that you want to issue new certificates or new keys in order
20 to continue using the system. So it’s not uncommon to have certificates that expire
and then to renew them before something goes wrong.

21 Rubin Depo. at 187:15-24. In fact, Choy testified that she could not recall any instance when
22 Apple allowed a certificate to expire:

23 **Q:** Can you think of any time when Apple allowed a certificate to expire despite
24 knowing that the expiration would cause an application to cease to function on
customer devices?

25 **A:** I can say that I don’t recall when we’ve had a Sub-CA certificate expiration and
we didn’t take action on it.

26 Choy Depo. at 288:3-10.

27 Apple developed a solution to avoid a FaceTime service outage only in iOS7, but not in

1 iOS6. On November 14, 2013, Apple released an iOS 7 update named iOS 7.0.4, in which Apple
2 programmed FaceTime to ignore the iPhone Device Sub-CA certificate expiration date. Jones
3 Report at 41–42. As a result, FaceTime would not fail when a device was running iOS 7.0.4 (or
4 subsequent updates to iOS 7). *Id.* Apple also ensured that another Apple service, iMessage,
5 would continue working on all Apple devices. ECF No. 285, Ex. 48 at 492–93.

6 In an internal email, Apple recognized that Apple could have resolved the certificate
7 expiration issue for iOS6 users by “changing the FT [FaceTime] code.” ECF No. 285, Ex. 45 at
8 991. Plaintiffs’ expert Richard Jones also testified that Apple could have “created new certificates
9 for at least portions of the chain and used those with updated expiration dates” to resolve the issue
10 for iOS 6 users.” Jones Depo. at 70:21-24. In an October 2013 email, Apple stated that “[f]or iOS
11 customers who do not want to update to iOS7, we will investigate providing a separate tool to
12 resolve.” ECF No. 285, Ex. 47 at 277. However, Apple did not implement such a tool or any
13 other solution. Thus, Apple recognized that its decision not to address the certificate expiration
14 issue for iOS6 “will force folks with older devices to update to iOS7” and leave those users with
15 “no recourse.” *Id.* at 276; ECF No. 285, Ex. 45 at 991.

16 **6. FaceTime Breaks for iOS6 Users on April 16, 2014**

17 On April 16, 2014, FaceTime broke for iPhone 4 and iPhone 4S users on iOS6
18 (hereinafter, the “FaceTime break”). That same day, Apple employee David Biderman reported in
19 an email that “[t]he certificate expirations started at: Apr 16 22:54:46 2014 GMT, impacting users
20 that haven’t upgraded to the most recent releases which contain the certificate fix.” ECF No. 285,
21 Ex. 50 at 956. As a result, iPhone 4 and iPhone 4S users using iOS6 complained to Apple that
22 FaceTime had broken for them. *See, e.g.*, ECF No. 285, Exs. 54 & 55.

23 The FaceTime break to iOS6 reduced Apple’s reliance on the relay method of FaceTime
24 connections, which imposed greater costs on Apple than the peer-to-peer method implemented in
25 iOS7. In an email sent the day after the FaceTime break, Apple engineer Lionel Gentil explained
26 that the FaceTime break had already reduced the number of relay method connections because
27 iOS6—which required use of the relay method—no longer supported FaceTime. Specifically,

1 Gentil wrote: “Yes all users with 6.0 and older can’t make FaceTime any longer.” ECF No. 285,
2 Ex. 48 at 488. Gentil further explained that users with iOS6 “are basically screwed? (for lack of a
3 better word) and they represented ~30% of our relay traffic.” *Id.* In his notes from April 17,
4 2014, Apple engineer Dallas DeAtley wrote, “iPhone Device CA expired, hilarity ensues.” ECF
5 No. 285, Ex. 43 at 267.

6 Two months later, Apple engineer Patrick Gates asked other Apple employees why
7 Apple’s use of the relay method for FaceTime connections had decreased: “I’m looking at the
8 Akamai contract for the next year. I understand we did something in April around iOS6 to reduce
9 relay utilization. Does this ring a bell for any of you? Got details?” ECF No. 285, Ex. 69 at 003.
10 In response, Apple’s Gokul Thirumulai explained that Apple had “broken” FaceTime for iOS6
11 users: “iOS6 was the biggest user of relay bandwidth – all calls going over relay. iOS7 uses
12 significantly less – most calls drop back down after relay. We *broke* all iOS6, and the only way to
13 get FaceTime working again is to upgrade to iOS7.” ECF No. 285, Ex. 9 at 794 (emphasis added).

14 **B. Procedural History**

15 On February 2, 2017, Grace filed a putative class action complaint in this Court against
16 Apple. ECF No. 1. The complaint alleged causes of action against Apple for (1) trespass to
17 chattels, and (2) violations of the UCL. *See id.* ¶ 1.

18 On March 22, 2017, Apple moved to dismiss the complaint. ECF No. 33. Rather than
19 oppose Apple’s motion to dismiss, Grace filed a first amended complaint (“FAC”) on April 5,
20 2017. ECF No. 36. The FAC added Potter as a named Plaintiff. Potter alleged that he upgraded
21 to iOS 7 on one of his iPhone 4 devices, and that Potter experienced lost functionality as a result
22 of his upgrade. *Id.*

23 Grace’s amendment of the complaint on April 5, 2017 was an amendment as of right under
24 Federal Rule of Civil Procedure 15(a)(1)(B) because Grace amended the complaint within 21 days
25 of Apple’s motion to dismiss the original complaint. *See Fed. R. Civ. P. 15(a)(1)(B)*. Thus, on
26 April 6, 2017, the Court denied as moot Apple’s motion to dismiss the original complaint. *See*
27 ECF No. 37.

1 On April 19, 2017, Apple filed a motion to dismiss the FAC. ECF No. 38. On May 3,
2 2017, Plaintiffs filed an opposition to Apple’s motion to dismiss. ECF No. 47. On May 10, 2017,
3 Apple filed a reply. ECF No. 50.

4 On July 28, 2017, the Court denied Apple’s motion to dismiss. *Grace v. Apple, Inc.*, 2017
5 WL 3232464 (N.D. Cal. July 28, 2017). The Court found that Plaintiffs possessed Article III
6 standing, that Plaintiffs had stated claims for violation of the UCL’s “unfair” prong and trespass to
7 chattels, and that Plaintiffs had adequately alleged entitlement to restitution and injunctive relief.
8 *Id.* at *6–16.

9 Specifically, Apple argued that Plaintiffs had failed to allege entitlement to restitutionary
10 relief, as is required under the UCL. *Id.* at *15. However, Plaintiffs alleged that they “‘conferred
11 a financial benefit to Apple by purchasing iPhone 4 and 4S devices with the FaceTime feature,’
12 but that Plaintiffs were deprived of the benefit of their bargain with Apple because Apple disabled
13 FaceTime for Plaintiffs’ iPhones, which caused Plaintiffs to suffer ‘diminution in the value of
14 their’ iPhones.” *Id.* (quoting FAC ¶¶ 131–134). The Court held that Plaintiffs’ allegations were
15 sufficient to allege entitlement to restitution under the UCL because “Plaintiffs seek to recover in
16 restitution the ‘profits [that Apple] unfairly obtained’ from Plaintiffs as a result of Apple’s
17 intentional and permanent disabling of FaceTime for iOS6 and earlier operating systems.” *Id.*
18 (quoting *Pom Wonderful LLC v. Welch Foods, Inc.*, 2009 WL 5184422, at *2 (C.D. Cal. Dec. 21,
19 2009)).

20 On May 4, 2018, Plaintiffs filed a motion for class certification. ECF No. 174. Plaintiffs
21 sought to certify a nationwide class under Rule 23(b)(2) and Rule 23(b)(3). Plaintiffs defined the
22 class as the following:

23 All owners of Apple iPhone 4 or Apple iPhone 4S devices in the United States who
24 on April 16, 2014, had iOS 6 or earlier operating systems on their iPhone 4 or iPhone
25 4S devices.

26 *Id.* at vii. In the alternative, Plaintiffs sought to certify a California class under Rule 23(b)(2) and
27 Rule 23(b)(3). Plaintiffs defined the class as the following:

28 All owners of Apple iPhone 4 or Apple iPhone 4S devices in California who on April

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16, 2014, had iOS 6 or earlier operating systems on their iPhone 4 or iPhone 4S devices.

Id. On June 15, 2018, Apple filed its opposition. ECF No. 201. On July 13, 2018, Plaintiffs filed their reply. ECF No. 225.

On July 19, 2018, Plaintiffs filed a motion to strike the Declaration of Dr. Avi Rubin, Apple’s technical expert. ECF No. 233. On August 2, 2018, Apple filed its opposition. ECF No. 242. On August 9, 2018, Plaintiffs filed their reply. ECF No. 246. On July 20, 2018, Apple filed objections to evidence submitted in connection with Plaintiffs’ reply. ECF No. 235.

On September 18, 2018, the Court granted in part and denied in part Plaintiffs’ motion for class certification. *Grace v. Apple*, 328 F.R.D. 320 (N.D. Cal. 2018). The Court granted certification of the California class, but denied certification of the nationwide class. *Id.* at 348–49. The Court exercised its discretion to amend the class definition to exclude owners of jailbroken iPhones, and certified a class as follows:

All owners of non-jailbroken Apple iPhone 4 or Apple iPhone 4S devices in California who on April 16, 2014, had iOS 6 or earlier operating systems on their iPhone 4 or iPhone 4S devices.

Id. at 351. The Court appointed Potter, as to his 16 GB iPhone 4 only, and Grace as class representatives. *Id.* The Court also denied Plaintiffs’ motion to strike Dr. Rubin’s declaration. *Id.*

In its opposition to Plaintiffs’ motion for class certification, Apple contested Plaintiffs’ entitlement to restitution under the UCL, as Apple had done in its motion to dismiss the FAC. *See* ECF No. 201 at 17 (arguing that “Plaintiffs make no effort to present a classwide restitution model for its UCL claim”). Apple argued that Plaintiffs’ use of a “diminution in value damages model” does not measure the amount that Plaintiffs overpaid for their iPhones. *Id.* at 342. Accordingly, Apple argued, Plaintiffs’ damages model does not align with Plaintiffs’ theory of liability under the UCL, in violation of *Comcast Corp. v. Behrend*, 569 U.S. 27, 35 (2013). *Id.*

However, the Court rejected Apple’s argument because Plaintiffs’ damages model is tied to the FaceTime break, the event that rendered Plaintiffs’ phones worth less than their purchase price: “Consequently, comparing the market value of the iPhone 4 and iPhone 4S before and after

1 that information was revealed—*i.e.* before and after the FaceTime break—seems an accurate way
2 of determining how much class members lost as a result of the FaceTime break.” *Id.* As a result,
3 the Court found that Plaintiffs’ damages model accurately measures restitution and aligns with
4 Plaintiffs’ theory of liability under the UCL. *Id.* at 343.

5 On October 2, 2018, Plaintiffs filed a motion for leave to (1) file a motion for
6 reconsideration of the Court’s class certification order; (2) file a motion to amend the class; and
7 (3) file a second amended complaint. ECF No. 276. On October 16, 2018, Apple filed its
8 opposition to Plaintiffs’ motion for leave. ECF No. 282. On October 22, 2018, the Court denied
9 Plaintiffs’ motion for leave. ECF No. 287.

10 On October 4, 2018, Apple filed the instant motion for summary judgment. ECF No. 278
11 (“Mot.”). On October 18, 2018, Plaintiffs filed their opposition. ECF No. 285 (“Opp.”). On
12 October 25, 2018, Apple filed its reply. ECF No. 289 (“Reply”).

13 On November 6, 2018, Plaintiffs petitioned the Ninth Circuit for permission to appeal the
14 Court’s order granting in part and denying in part class certification under Federal Rule of Civil
15 Procedure 23(f). ECF No. 290. Specifically, Plaintiffs requested the Ninth Circuit’s permission to
16 appeal the Court’s denial of certification of the nationwide class. ECF No. 290-1.

17 On November 9, 2018, the Court stayed the case pending the Ninth Circuit’s ruling on
18 Plaintiffs’ Rule 23(f) petition. ECF No. 291. On March 20, 2019, the Ninth Circuit denied
19 Plaintiffs’ Rule 23(f) petition. ECF No. 295.

20 On April 26, 2019, the Court filed a proposed case schedule for the remainder of the case
21 through trial. ECF No. 299. On April 29, 2019, the parties filed a statement regarding their
22 availability for trial in 2020. ECF No. 300. On April 29, 2019, the Court lifted the stay in this
23 case and set August 8, 2019 as the hearing date on Apple’s instant motion for summary judgment.
24 ECF Nos. 301, 302. The operative briefs on Apple’s instant motion for summary judgment are the
25 briefs that the parties filed before the Court stayed the case. *See* ECF Nos. 278, 285, 289.

26 **II. LEGAL STANDARD**

27 Summary judgment is proper where the pleadings, discovery, and affidavits show that

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1 there is “no genuine dispute as to any material fact and [that] the movant is entitled to judgment as
2 a matter of law.” Fed. R. Civ. P. 56(a). Material facts are those which may affect the outcome of
3 the case. *See Anderson v. Liberty Lobby, Inc.*, 477 U.S. 242, 248 (1986). A dispute as to a
4 material fact is genuine if there is sufficient evidence for a reasonable jury to return a verdict for
5 the nonmoving party. *See id.*

6 The Court will grant summary judgment “against a party who fails to make a showing
7 sufficient to establish the existence of an element essential to that party’s case, and on which that
8 party will bear the burden of proof at trial [,] . . . since a complete failure of proof concerning an
9 essential element of the nonmoving party’s case necessarily renders all other facts immaterial.”
10 *See Celotex Corp. v. Catrett*, 477 U.S. 317, 322–23 (1986). The moving party bears the initial
11 burden of identifying those portions of the record that demonstrate the absence of a genuine issue
12 of material fact. *Id.* The burden then shifts to the nonmoving party to “go beyond the pleadings,
13 and by [his] own affidavits, or by the depositions, answers to interrogatories, and admissions on
14 file, designate specific facts showing that there is a genuine issue for trial.” *See id.* at 324 (internal
15 quotations omitted).

16 For purposes of summary judgment, the Court must view the evidence in the light most
17 favorable to the nonmoving party; if the evidence produced by the moving party conflicts with
18 evidence produced by the nonmoving party, the court must assume the truth of the evidence
19 submitted by the nonmoving party. *See Leslie v. Grupo ICA*, 198 F.3d 1152, 1158 (9th Cir. 1999).
20 The Court’s function on a summary judgment motion is not to make credibility determinations or
21 weigh conflicting evidence with respect to a disputed material fact. *See T.W. Elec. Serv. v. Pac.*
22 *Elec. Contractors Ass’n*, 809 F.2d 626, 630 (9th Cir. 1987).

23 **III. DISCUSSION**

24 Apple moves for summary judgment on both of Plaintiffs’ remaining claims, for (1)
25 trespass to chattels; and (2) violation of the unfair prong of California’s UCL. The Court
26 discusses each of Plaintiffs’ claims in turn.

27 **A. Plaintiffs’ Trespass to Chattels Claim**

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1 Plaintiffs allege that Apple committed the tort of trespass to chattels when Apple
2 “intentionally interfered with Plaintiffs’ and the Class members’ use of their iPhone 4 and iPhone
3 4S devices by implementing the FaceTime Break, which caused FaceTime to cease to function on
4 all such devices.” FAC ¶ 125. Apple raises two arguments for why Plaintiffs’ trespass to chattels
5 claim fails as a matter of law. First, Apple contends that Plaintiffs have not shown that Apple took
6 an “affirmative act” to interfere with Plaintiffs’ iPhones. Second, Apple contends that the
7 economic loss rule bars Plaintiffs’ trespass to chattels claim. For the reasons explained below,
8 neither of Apple’s arguments is persuasive.

9 **1. Trespass to Chattels Requires an Intentional Interference with Personal Property**

10 Under California law, trespass to chattels “lies where an intentional interference with the
11 possession of personal property has proximately caused injury.” *Intel Corp. v. Hamidi*, 30 Cal.
12 4th 1342, 1350–51 (2003). The California Supreme Court has explained that “while a harmless
13 use or touching of personal property may be a technical trespass (see Rest. 2d of Torts, § 217), an
14 interference (not amounting to dispossession) is not actionable under modern California and
15 broader American law without a showing of harm.” *Id.* at 1351. To show injury in the context of
16 trespass to a computer system or other similar devices, a plaintiff must show that a trespass to
17 chattels “(1) caused physical damage to the personal property, (2) impaired the condition, quality,
18 or value of the personal property, or (3) deprived plaintiff of the use of personal property for a
19 substantial time.” *Fields v. Wise Media, LLC*, 2013 WL 5340490, at *4 (N.D. Cal. Sept. 24,
20 2013). Finally, the defendant’s interfering act must have been intentional. *Crab Boat Owners*
21 *Ass’n v. Hartford Ins. Co. of the Midwest*, 2004 WL 2600455, at *3 (N.D. Cal. Nov. 15, 2004) (“It
22 is clear that California law requires intent as an element of trespass to chattels.”).

23 **2. Plaintiffs Have Identified A Genuine Dispute of Material Fact as to Whether**
24 **Apple Intentionally Interfered with Plaintiffs’ iPhones**

25 Plaintiffs’ theory is that Apple intentionally interfered with Plaintiffs’ iPhones when Apple
26 failed to renew the iPhone Device CA certificate for iOS 6 users with full knowledge that Apple’s
27 failure would cause the FaceTime break for iOS6 users. Opp. at 12. Apple contends that

1 Plaintiffs cannot show that Apple intentionally interfered with Plaintiffs’ iPhones because Apple
2 took no post-sale “affirmative act” and because the “alleged trespass here was a function of the
3 way Plaintiffs’ phones were programmed as of the date of purchase.” Mot. at 8. Apple does not
4 dispute that the FaceTime break caused Plaintiffs harm.

5 Apple’s argument that a trespass to chattels claim requires an affirmative post-purchase act
6 is unsupported by the case law. In *Baggett v. Hewlett-Packard Co.*, 582 F. Supp. 2d 1261 (C.D.
7 Cal. 2007), the plaintiff’s theory was that the defendant interfered with plaintiff’s property by
8 preprogramming defendant’s printer cartridges to indicate that the cartridges were “empty,” even
9 when ink remained. *Id.* at 1264. The defendant argued that trespass to chattels requires an
10 “affirmative act,” such as one of defendant’s employees physically tampering with plaintiff’s
11 cartridge. *Id.* at 1269. However, the *Baggett* court stated that defendant’s argument “misstates
12 California law on trespass to chattels,” and that California law permits “trespass to chattel claims
13 based on automated systems.” *Id.* Thus, defendant’s intentional decision to pre-program its
14 printer to stop printing even when ink remained, which deprived plaintiff of his remaining ink,
15 could constitute a trespass to chattels. *Id.* at 1270; *see also In re Apple Inc. Device Performance*
16 *Litig.*, 347 F. Supp. 3d 434, 455 (N.D. Cal. 2018) (holding that plaintiffs’ allegations that Apple’s
17 iOS updates “were designed to slow [plaintiffs’] iPhones processing speed” sufficed to state a
18 claim for trespass to chattels).

19 Similarly, in *In re: Lenovo Adware Litig.*, 2016 WL 6277245 (N.D. Cal. Oct. 27, 2016),
20 the plaintiffs alleged that Lenovo pre-installed adware on Lenovo computers and that the adware
21 reduced the computers’ battery life and rendered plaintiffs vulnerable to third-party hackers. *Id.* at
22 *1–2. The district court concluded that those allegations were sufficient to allege an intentional
23 interference that caused a measurable loss. *Id.* at *9. *See also eBay v. Bidder’s Edge*, 100 F.
24 Supp. 2d 1058, 1070 (N.D. Cal. 2000) (holding that defendant’s use of an automated computer
25 program to crawl plaintiff’s website constituted intentional interference). Therefore, a defendant’s
26 pre-purchase act intended to interfere with a plaintiff’s personal property can constitute a trespass
27 to chattels.

1 In the instant case, Apple contends that the aforementioned cases are inapplicable because
2 any alleged interference resulted from unintentional acts, and Plaintiffs cannot identify any post-
3 purchase acts that Apple took to interfere with Plaintiffs' iPhones. Apple focuses solely on its
4 conduct before Plaintiffs purchased their iPhones. In 2007, Apple designed the iPhone Device CA
5 certificate and set the certificate to expire in 2014. ECF No. 277, Ex. 3. In 2010, Apple designed
6 FaceTime to check the expiration date of the iPhone Device CA certificate. Jones Report at 24–
7 25. At neither point did Apple intend to interfere with FaceTime or Plaintiffs' iPhones.

8 Thus, Apple analogizes Apple's design decisions to *Kandel v. Brother International Corp.*,
9 2009 WL 9100406 (C.D. Cal. Feb. 13, 2009), in which the plaintiff alleged that defendant
10 designed its printers "not to allow full usage of the toner in printer cartridges and alleged
11 misrepresentations about this functionality." *Id.* at *1. The district court concluded that without a
12 post-purchase act, the plaintiffs could state a claim: "There is no allegation that Defendants did
13 anything after the sale of the printers or toner cartridges to effect a trespass." *Id.* *Kandel* thus
14 appears to conflict with *Baggett* and *In re: Lenovo*, both of which permitted trespass to chattels
15 claims based on pre-sale design decisions intentionally made to cause later interference with the
16 plaintiffs' personal property.

17 However, even if *Kandel* is a correct statement of the law, the instant case is not like
18 *Kandel*. Plaintiffs' theory is not that Apple's 2007 and 2010 design decisions constitute trespass
19 to chattels. Rather, Plaintiffs' theory is that Apple engaged in a "months-long course of conduct"
20 in 2013 and 2014"—after Plaintiffs purchased their iPhones—to intentionally interfere with
21 Plaintiffs' iPhones. Furthermore, Plaintiffs have identified evidence that could show that Apple
22 engaged in intentional post-sale conduct to interfere with Plaintiffs' use of FaceTime on their
23 iPhones.

24 Specifically, Apple regularly reviewed certificate expiration dates to ensure that no Apple
25 services would fail if a certificate expired, and Apple engineer Gigi Choy could not recall a single
26 instance when Apple "had a Sub-CA certificate expiration and we didn't take action on it." Choy
27 Depo. at 288:3-10. Likewise, Apple's expert Avi Rubin testified that "anytime you have

1 expirations, the idea is that you want to issue new certificates or new keys in order to continue
2 using the system.” Rubin Depo. at 187:15-24.

3 Apple also knew by October 2013 that the iPhone Device CA certificate’s expiration
4 would cause FaceTime to fail on April 16, 2014. ECF No. 285, Ex. 37 at 224 (“services that
5 check certificate expiration (as FaceTime is known to do so) will cease to function when the date
6 comes”). Apple resolved the certificate expiration issue for iOS7, but not for iOS6. Jones Report
7 at 41–42. Apple was aware that its decision would break FaceTime for iOS6 users and would
8 “force folks with older devices to update to iOS7.” ECF No. 285, Ex. 47 at 276. Thus, after the
9 FaceTime break, an Apple engineer stated that Apple “broke” FaceTime: “We *broke* all iOS6, and
10 the only way to get FaceTime working again is to upgrade to iOS7.” ECF No. 285, Ex. 9 at 794.

11 Viewing the record in the light most favorable to Plaintiffs, the above evidence—including
12 Apple’s own characterization that Apple “broke” FaceTime—raises the inference that Apple
13 intentionally interfered with Plaintiffs’ use of FaceTime on their iPhones. Apple knew that
14 FaceTime would break upon the iPhone Device CA certificate’s expiration, but chose to remedy
15 the certificate expiration issue only for iOS7.

16 Moreover, the day after the April 16, 2014 FaceTime break, an Apple engineer highlighted
17 that the FaceTime break had reduced Apple’s dependence on the more expensive relay method for
18 FaceTime connections because iOS6 users “represented ~30% of our relay traffic.” ECF No. 285,
19 Ex. 48 at 488. Thus, the FaceTime break achieved Apple’s goal to “[r]educe FaceTime relay
20 usage as much as possible” because “Apple pays for all the relay bandwidth.” ECF No. 285, Ex.
21 19 at 070. From that evidence, a reasonable jury could conclude that Apple intentionally
22 interfered with Plaintiffs’ iPhones to reduce Apple’s relay method costs. *See Hamidi*, 30 Cal. 4th
23 at 1350 (holding that “an intentional interference with the possession of personal property”
24 constitutes a trespass to chattels).

25 To the extent that Apple contends that Plaintiffs’ theory expands trespass to chattels to
26 include any instance in which a defendant fails to remedy a design defect, Apple ignores that the
27 tort of trespass to chattels requires an “intentional interference.” *Hamidi*, 30 Cal. 4th at 1350.

28

1 Thus, a defendant’s failure to remedy a design defect, without evidence of the defendant’s intent
2 to interfere with the plaintiff’s property, would not give rise to a trespass to chattels claim. In the
3 instant case, Plaintiffs have identified evidence that could prove Apple’s intent to interfere with
4 Plaintiffs’ iPhones. Accordingly, the Court rejects Apple’s first argument for summary judgment
5 on Plaintiffs’ trespass to chattels claim.

6 **3. The Economic Loss Rule Does Not Bar Plaintiffs’ Trespass to Chattels Claim**

7 Second, Apple contends that even if Apple committed a trespass to chattels, the economic
8 loss rule bars Plaintiff from recovery. Plaintiffs argue that the economic loss rule is inapplicable
9 because Plaintiffs’ trespass to chattels claim relies on Apple’s violation of duties separate from
10 any contract or commercial transaction. The Court agrees with Plaintiffs.

11 Under the economic loss rule, “purely economic losses are not recoverable in tort.” *NuCal*
12 *Foods, Inc. v. Quality Egg LLC*, 918 F. Supp. 2d 1023, 1028 (E.D. Cal. 2013) (citing *S.M. Wilson*
13 *& Co. v. Smith Int’l, Inc.*, 587 F.2d 1363, 1376 (9th Cir. 1978)); *see also Robinson Helicopter Co.*
14 *v. Dana Corp.*, 34 Cal. 4th 979, 988 (2004) (“The economic loss rule requires a purchaser to
15 recover in contract for purely economic loss due to disappointed expectations, unless he can
16 demonstrate harm above and beyond a broken contractual promise.”). The purpose of the
17 economic loss rule is to “prevent[] the law of contract and the law of tort from dissolving one into
18 the other.” *Robinson Helicopter*, 34 Cal. 4th at 988 (citation omitted). However, the economic
19 loss rule does not apply when a plaintiff’s tort claims are “independent of the contract arising from
20 principles of tort law.” *Id.* at 989. In addition, the California Supreme Court explained in
21 *Robinson* that “focusing on intentional conduct gives substance to the proposition that a breach of
22 contract is tortious only when some independent duty arising from tort law is violated.” *Id.* at 990
23 (citation omitted).

24 Another court in this district has recently addressed the application of the economic loss
25 rule to trespass to chattels. In *In re Apple*, the plaintiffs alleged that after they purchased their
26 iPhones, certain of Apple’s iOS updates caused plaintiffs’ iPhones to work more slowly, which the
27 court held was sufficient to state a claim for trespass to chattels. 347 F. Supp. 3d at 455. As in the

1 instant case, Apple also contended that the economic loss rule barred the plaintiffs' claims. *Id.*
2 The district court explained that "courts have applied the economic loss rule to trespass claims
3 when the duty arises solely out of a contract." *Id.* However, in *In re Apple*, because the plaintiffs
4 alleged that Apple's trespass to chattels occurred after the plaintiffs purchased their iPhones and
5 thus "separate and apart from any breach of contract," the economic loss rule did not apply. *Id.*

6 In the instant case, too, the economic loss rule does not apply because Apple had an
7 independent tort duty not to intentionally interfere with Plaintiffs' possession of their iPhones.
8 Plaintiffs' trespass to chattels claim arises not from a contract, but from Apple's intentional, post-
9 purchase conduct. Plaintiffs have identified evidence that even though Apple regularly renewed
10 certificates to avoid service outages, and even though Apple knew that FaceTime would cease to
11 operate when the iPhone Device CA certificate expired, Apple resolved the certificate expiration
12 issue only for iOS7 users and not for iOS6 users.

13 Plaintiffs' claim is thus unlike the claim in *Correia*, upon which Apple relies. In *Correia*,
14 the district court held that "trespass to chattel and conversion claims arising from the defendant's
15 design of a product are barred by California's economic loss rule," because a claim that a product
16 was defective as sold sounds in contract. *Correia v. Johnson & Johnson Consumer Inc.*, 2019 WL
17 2120967, at *5 (C.D. Cal. May 9, 2019). By contrast, in the instant case, Plaintiffs' theory is not
18 that their iPhones were defective as sold, but rather that Apple intentionally interfered with
19 Plaintiffs' iPhones *after* purchase. Because Plaintiffs have identified evidence from which a jury
20 could conclude that such a post-purchase trespass occurred, the economic loss rule is inapplicable.

21 Therefore, the Court DENIES Apple's motion for summary judgment on Plaintiffs'
22 trespass to chattels claim.

23 **B. Whether Plaintiffs' Damages Model is Satisfactory under the UCL**

24 The Court next addresses Plaintiffs' UCL claim. Plaintiffs allege that Apple violated the
25 UCL because Apple's FaceTime break was "unfair" and "without any acceptable justification,
26 whether business or otherwise." FAC ¶ 132. Apple moves for summary judgment on the basis
27 that Plaintiffs' damages model fails to measure restitution, the only relief available to the class

1 under the UCL.

2 **1. California’s UCL Permits Recovery Only of Injunctive Relief and Restitution**

3 California’s UCL prohibits unfair competition, including “any unlawful, unfair or
4 fraudulent business act or practice and unfair, deceptive, untrue or misleading advertising.” Cal.
5 Bus & Prof. Code § 17200. The UCL creates a cause of action for business practices that are (1)
6 unlawful, (2) unfair, or (3) fraudulent. Each “prong” of the UCL provides a separate and distinct
7 theory of liability. *Lozano v. AT & T Wireless Servs., Inc.*, 504 F.3d 718, 731 (9th Cir. 2007).
8 Plaintiffs proceed under the unfair prong of the UCL. FAC ¶ 130. Under the UCL, “[p]revailing
9 plaintiffs are generally limited to injunctive relief and restitution.” *Zhang v. Superior Court*, 57
10 Cal. 4th 364, 371 (2013). In the instant case, the Court declined to certify an injunctive class
11 under Rule 23(b)(2). *Grace*, 328 F.R.D. at 349–50. As such, Plaintiffs are only entitled to seek
12 restitution under the UCL.

13 **2. The Court Has Already Rejected Apple’s Challenge to Plaintiffs’ UCL Restitution**
14 **Damages Model**

15 Plaintiffs’ damages model is set forth in the expert report of Dr. Justine Hastings. ECF No.
16 278-8 (“Hastings Report”). Hastings calculates restitution by comparing the resale value of
17 Plaintiffs’ iPhones before the Facetime break to the resale value of Plaintiffs’ iPhones after the
18 FaceTime break: “I use data on the market value of used phones from the competitive market for
19 used phone sales and multivariate regression analysis to measure the diminution in value to iPhone
20 4 and iPhone 4S devices caused by the Break.” Hastings Report ¶ 24. Hastings explains that her
21 econometric model “yields reliable estimates of aggregate damages and restitution measured by
22 diminution in value of the Proposed Class Member’s iPhone 4 and iPhone 4S devices caused by
23 the Break.” *Id.* ¶ 7.

24 “The object of restitution is to restore the status quo by returning to the plaintiff funds in
25 which he or she has an ownership interest.” *Korea Supply Co. v. Lockheed Martin Corp.*, 29 Cal.
26 4th 1134, 1149 (2003). “Under the UCL, an individual may recover profits unfairly obtained to
27 the extent that these profits represent monies given to the defendant or benefits in which the

1 plaintiff has an ownership interest.” *Pom Wonderful*, 2009 WL 5184422, at *2. Restitution “must
 2 be of a measurable amount to restore to the plaintiff what has been acquired by violations of the
 3 statutes.” *Pulaski & Middleman, LLC v. Google, Inc.*, 802 F.3d 979, 988 (9th Cir. 2015) (quoting
 4 *Colgan v. Leatherman Tool Grp., Inc.*, 135 Cal. App. 4th 663, 698 (2006)). “UCL and FAL
 5 restitution is based on what a purchaser would have paid at the time of purchase had the purchaser
 6 received all the information.” *Id.* at 989. However, the UCL is “particularly forgiving” when it
 7 comes to classwide damages. *Lambert v. Nutraceutical Corp.*, 870 F.3d 1170, 1183 (9th Cir.
 8 2017), *rev’d on other grounds, sub nom. Nutraceutical Corp. v. Lambert*, 139 S. Ct. 710 (2019).
 9 California “requires only that some reasonable basis of computation of damages be used, and the
 10 damages may be computed even if the result reached is an approximation.” *Id.* (internal quotation
 11 marks omitted). California courts have “very broad discretion” to determine UCL damages.
 12 *Wiener v. Dannon Co.*, 255 F.R.D. 658, 670 (C.D. Cal. 2009).

13 Apple contends that Plaintiffs’ damages model does not present an acceptable measure of
 14 restitution. However, at the motion to dismiss and class certification stages, the Court rejected
 15 Apple’s nearly identical arguments. In Apple’s motion to dismiss the FAC, Apple argued that
 16 Plaintiffs’ allegations that their iPhones lost resale value due to the FaceTime break were
 17 insufficient to allege entitlement to restitution. ECF No. 38 at 17–18. However, the Court
 18 rejected Apple’s argument. Plaintiffs alleged that Plaintiffs “were deprived of the benefit of their
 19 bargain with Apple because Apple disabled FaceTime for Plaintiffs’ iPhones, which caused
 20 Plaintiffs to suffer ‘diminution in the value of their’ iPhones.” *Grace*, 2017 WL 3232464, at *15
 21 (citing FAC ¶¶ 131–34). Based on those allegations of diminution in value, the Court held that
 22 “Plaintiffs seek to recover in restitution the ‘profits [that Apple] unfairly obtained’ from Plaintiffs
 23 as a result of Apple’s intentional and permanent disabling of FaceTime for iOS6 and earlier
 24 operating systems.” *Id.* (quoting *Pom Wonderful*, 2009 WL 5184422, at *2).

25 In Apple’s opposition to Plaintiffs’ motion for class certification, Apple again contested
 26 Plaintiffs’ entitlement to restitution under the UCL. Apple argued that “Plaintiffs make no effort
 27 to present a classwide restitution model for its UCL claim.” ECF No. 201 at 17. Specifically,

1 Apple argued that Plaintiffs’ “diminution in value damages model” in Hastings’ expert report does
2 not measure the amount Plaintiffs overpaid for their iPhones, in violation of *Comcast Corp. v.*
3 *Behrend*, 569 U.S. 27, 35 (2013). Under *Comcast*, a court must evaluate whether a class damages
4 model “measure[s] only those damages attributable” to the plaintiffs’ theory of liability. *Id.*

5 The Court rejected Apple’s argument that Plaintiffs’ damages model does not measure
6 restitution under the UCL. The Court explained that California law “requires only that some
7 reasonable basis of computation of damages be used, and the damages may be computed even if
8 the result reached is an approximation.” *Grace*, 328 F.R.D. at 342 (quoting *Pulaski*, 802 F.3d at
9 988). In the instant case, Plaintiffs’ theory is that the FaceTime break violated the UCL. Thus,
10 the Court held that “comparing the market value of the iPhone 4 and iPhone 4S before and after
11 that information was revealed—*i.e.* before and after the FaceTime break—seems an accurate way
12 of determining how much class members lost as a result of the FaceTime break.” *Id.*
13 Accordingly, the Court concluded that Dr. Hastings’ damages model aligns with Plaintiffs’ UCL
14 theory of liability, measures restitution, and complies with *Comcast*. *Id.* at 343.

15 **3. Plaintiffs’ UCL Restitution Damages Model Has Not Changed and Remains**
16 **Aligned with Plaintiffs’ Theory of Liability**

17 Apple acknowledges that the Court’s class certification order addressed and rejected
18 Apple’s argument that Plaintiffs’ damages model does not align with Plaintiffs’ UCL claim. *See*
19 Reply at 9. Moreover, Apple does not contest that Hastings’ expert report—which sets forth
20 Plaintiffs’ UCL damages model—has not changed. Yet Apple contends that new evidence, in the
21 form of Hastings’ second deposition, requires the Court to reject Hastings’ damages model as a
22 matter of law. Apple cites no case in which a district court has reconsidered its *Comcast* analysis
23 or rejected a UCL damages model for the first time on a motion for summary judgment.
24 Regardless, Apple’s argument for summary judgment fails on its merits.

25 Plaintiffs’ theory is that the FaceTime break deprived Plaintiffs of the benefit of their
26 bargain. Accordingly, Plaintiffs’ damages model measures how the FaceTime break impacted the
27 resale value of Plaintiffs’ iPhones. Specifically, Hastings compares the resale value of Plaintiffs’

1 iPhones before the FaceTime break to the resale value of Plaintiffs’ iPhones after the FaceTime
2 break. Hastings Report ¶ 24. This model estimates “restitution measured by diminution in value
3 of the Proposed Class Member’s iPhone 4 and iPhone 4S devices caused by the Break.” *Id.* ¶ 7.

4 In her second deposition, Hastings testified about this model. Hastings was asked “Are
5 you offering an opinion on what class members would have paid for their iPhone 4 or 4S’s had
6 they known that 4 and 4S’s with iOS 6 or earlier operating systems could stop working on April
7 16, 2014?” In response, Hastings testified that she was not offering such an opinion: “I am
8 offering an opinion on aggregate class-wide damages measured by diminution in value. I am not
9 offering an opinion on benefit-of-the-bargain damages.” ECF No. 285-78 (“Hastings Depo.”) at
10 138:8-139:9.

11 Apple contends that Hastings’ damages model is insufficient because Hastings does not
12 directly measure benefit of the bargain damages. However, benefit of the bargain damages, or
13 “the difference between the price paid and actual value received is a measure of restitution, not the
14 exclusive measure.” *In re Tobacco Cases II*, 240 Cal. App. 4th 779, 792 (2015) (emphasis in
15 original). In the instant case, Hastings compares the resale price of Plaintiffs’ iPhones before the
16 FaceTime break to the resale price of Plaintiffs’ iPhones after the FaceTime break to measure
17 restitution. By focusing on the direct effect of the FaceTime break, Hastings’ model provides a
18 reasonable approximation of how much Plaintiffs overpaid for their iPhones based on the
19 FaceTime break.

20 A recent published Ninth Circuit opinion underscores that a plaintiff need not *directly*
21 measure benefit of the bargain damages to advance a suitable restitution damages model under
22 California law. *Nguyen v. Nissan N. Am., Inc.*, ___ F.3d ___, 2019 WL 3368918 (9th Cir. 2019). In
23 *Nguyen*, the plaintiff’s damages model proposed to use “the cost of replacing [] a defective
24 component” as “a proxy for his overpayment of the vehicle at the point of sale.” *Id.* at *3, 7.
25 Thus, as in the instant case, the plaintiff proposed a damages model that measured the effect of a
26 post-purchase event (in *Nguyen*, the defect’s manifestation). The Ninth Circuit approved the
27 plaintiff’s damages model as “a reasonable basis of computation” for what the plaintiff would

1 have paid if the plaintiff knew about the component defect at the point of sale. *Id.* at *4–5. Like
2 the damages model in *Nguyen*, Plaintiffs’ damages model measures the effect of the post-purchase
3 event—in this case, the FaceTime break. Accordingly, Plaintiffs’ damages model provides “a
4 reasonable basis of computation” for how much Plaintiffs overpaid to Apple. *Nguyen*, 2019 WL
5 3368918, at *4.

6 Furthermore, Plaintiffs’ damages model satisfies the three basic principles for measuring
7 restitution under California law, as identified in *In re Tobacco Cases II*, 240 Cal. App. 4th 779.
8 *Accord Chowning v. Kohl’s Dep’t Stores, Inc.*, 2016 WL 1072129, at *6 (C.D. Cal. Mar. 15, 2016)
9 (relying on *In re Tobacco Cases II* principles). First, restitution does not permit an award of
10 monetary relief solely to deter a defendant. *In re Tobacco Cases II*, 240 Cal. App. 4th at 793.
11 Apple makes no argument that Plaintiffs’ damages model will generate an award solely designed
12 to deter Apple from future misconduct. Second, restitution must account for the benefits that the
13 plaintiff received at the time of purchase. *Id.* at 796. In the instant case, Plaintiffs do not seek to
14 recover the entire purchase price of their iPhones, but only the excess portion that Plaintiffs paid to
15 Apple based on Plaintiffs’ expectation of continued FaceTime operation. Finally, restitution must
16 also represent a measurable loss to the plaintiff. *Id.* at 801. In the instant case, Plaintiffs’ damages
17 model aims to measure what Plaintiffs lost and Apple gained as a result of the FaceTime break.

18 Finally, Apple’s two primary cases are inapposite. Apple relies on this Court’s decision in
19 *Smit v. Charles Schwab & Co.*, 2011 WL 846697 (N.D. Cal. Mar. 8, 2011). However, in *Smit*,
20 unlike in the instant case, the Court concluded that when the plaintiffs invested in the defendant’s
21 investment fund, the plaintiffs never actually transferred any monetary interest to the defendants.
22 *Id.* at *10. Thus, because the plaintiffs had not paid any money to the defendant, plaintiffs had not
23 overpaid any money and could not recover in restitution. *Id.* By contrast, it is undisputed that
24 Plaintiffs paid money to Apple for Plaintiffs’ iPhones.

25 *Apple Inc. v. Superior Court*, 19 Cal. App. 5th 1101 (2018), is also inapposite. That case
26 concerned the admissibility of expert opinion evidence at class certification in California state
27 court, not the type of UCL damages model sufficient to survive summary judgment in federal

1 court. *Id.* at 1106. Apple does not challenge Hastings’ opinions as inadmissible. To the extent
2 that Apple believes Hastings’ opinions are misguided, “the appropriate way to discredit
3 [Hastings’] theory [is] through competing evidence and incisive cross-examination” at trial.
4 *Murray v. S. Route Maritime SA*, 870 F.3d 915, 922 (9th Cir. 2017).

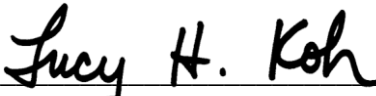
5 Accordingly, the Court again rejects Apple’s argument that Plaintiffs’ damages model is an
6 inadequate measurement of restitution under the UCL. Therefore, the Court DENIES Apple’s
7 motion for summary judgment on Plaintiffs’ UCL claim.

8 **IV. CONCLUSION**

9 For the foregoing reasons, the Court DENIES Apple’s motion for summary judgment.

10 **IT IS SO ORDERED.**

11 Dated: August 21, 2019

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14 LUCY H. KOH
15 United States District Judge
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