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IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF CALIFORNIA

IN RE: CATHODE RAY TUBE (CRT)	)	MDL No. 1917
ANTITRUST LITIGATION)	
_____	)	Case No. C-07-5944-SC
)	
This Order Relates To:	)	ORDER ADOPTING SPECIAL
	)	MASTER'S REPORTS AND
ALL INDIRECT-PURCHASER ACTIONS	)	RECOMMENDATIONS ON
	)	DEFENDANTS' MOTION TO
	)	EXCLUDE EXPERT TESTIMONY
	)	AND INDIRECT-PURCHASER
	)	PLAINTIFFS' MOTION FOR
	)	<u>CLASS CERTIFICATION</u>
)	
)	
)	
_____)	

I. INTRODUCTION

Now before the Court are the parties' objections to and motions to adopt two of the Interim Special Master's ("ISM") Reports and Recommendations ("R&Rs"). One R&R concerns the Indirect-Purchaser Plaintiffs' ("IPPs") Motion for Class Certification. ECF No. 1742 ("Class R&R"). The other concerns the Defendants' Motion to Strike the Proposed Expert Testimony of Dr. Janet S. Netz. ECF No. 1743 ("Expert R&R"). The parties' objections to and motions to adopt both R&Rs are fully briefed,¹

¹ ECF Nos. 1812 ("Class Obj'ns"), 1813 ("Expert Obj'ns"), 1885

1 and the matter is appropriate for decision without oral argument
2 per Civil Local Rule 7-1(b). As explained below, the Court ADOPTS
3 both R&Rs in full, finding them in all respects well-reasoned,
4 thorough, and correct.

5
6 **II. BACKGROUND**

7 The parties are familiar with this case's facts. A very brief
8 summary of these motions' postures follows, but the Court will not
9 catalog all of the parties' contentions from the underlying
10 motions. Those were well summarized by the ISM's rigorous and
11 thorough analyses, and the Court ADOPTS the ISM's summaries and
12 discussions of the facts and the parties' contentions in full.

13 The IPPs are a putative class that purchased products
14 containing cathode-ray tubes ("CRTs"). The class alleges that it
15 was harmed by Defendants' conspiracy to fix CRT prices. Years of
16 contentious litigation have led to the two present motions: the
17 IPPs move to certify their class, supported in part by the
18 declaration of their expert Dr. Janet S. Netz; and Defendants move
19 to strike the proposed testimony of Dr. Netz.² The parties briefed
20 both motions and submitted supplemental briefs on the Supreme
21 Court's recent decision in Comcast Corporation v. Behrend, 133 S.
22 Ct. 1426 (2013), an antitrust class action case that concerned
23 issues relevant to the present action. The ISM held hearings on

24
25 ("Class Reply"), 1887 ("Expert Reply"). Per the Court's July 3,
26 2013 Order, ECF No. 1761, Plaintiffs' responsive briefs are deemed
motions to adopt.

27 ² Dr. Netz's declarations -- the original declaration ("Netz
28 Decl.") with its errata, and her rebuttal declaration ("Netz
Rebuttal Decl."), both in support of the IPPs' motion for class
certification -- were filed with the Court under seal.

1 the parties' motions and submitted his R&Rs to the Court. He
2 recommends that the Court grant the IPPs' motion for class
3 certification and deny Defendants' motion to strike. Defendants
4 now object to both R&Rs, and the IPPs move to adopt them.

5
6 **III. LEGAL STANDARD**

7 **A. Review of R&Rs**

8 The Court reviews the Special Master's factual findings for
9 clear error, his legal conclusions de novo, and his procedural
10 decisions for abuse of discretion. Fed. R. Civ. P. 53(f)(3)-(4);
11 ECF No. 302 ("Order Appointing Special Master").

12 **B. Motion for Class Certification**

13 Rule 23 of the Federal Rules of Civil Procedure governs class
14 actions. It is the plaintiffs' burden to show that they have met
15 the four requirements of Rule 23(a) and at least one requirement of
16 Rule 23(b). Rule 23(a) states that a district court may certify a
17 class only if:

18 (1) the class is so numerous that joinder of
19 all members is impracticable; (2) there are
20 questions of law or fact common to the
21 class; (3) the claims or defenses of the
22 representative parties are typical of the
23 claims or defenses of the class; and (4) the
24 representative parties will fairly and
25 adequately protect the interests of the
26 class.

27 These four requirements are called (1) numerosity, (2) commonality,
28 (3) typicality, and (4) adequacy of representation. Mazza v. Am.
Honda Motor Co., Inc., 666 F.3d 581, 588 (9th Cir. 2012). The
class definition must also be precise, objective, and presently
ascertainable, meaning that it must be administratively feasible
for the court to determine whether an individual is a member of the

1 class. See Mazur v. eBay, Inc., 257 F.R.D. 563, 567 (N.D. Cal.
2 2009); O'Connor v. Boeing N. Am., Inc., 184 F.R.D. 311, 319 (C.D.
3 Cal. 1998).

4 The IPPs claim that their class should be certified under Rule
5 23(b)(3), which requires the district court to find "that the
6 questions of law or fact common to class members predominate over
7 any questions affecting only individual members, and that a class
8 action is superior to other available methods for fairly and
9 efficiently adjudicating the controversy." This subsection must be
10 satisfied "through evidentiary proof." Comcast, 133 S. Ct. at
11 1431. However, proving predominance does not require plaintiffs to
12 prove that every element of a claim is subject to classwide proof:
13 they need only show that common questions predominate over
14 questions affecting only individual class members. Amgen Inc. v.
15 Ct. Retirement Plans and Trust Funds, 133 S. Ct. 1184, 1196 (2013).

16 Further, the district court's class-certification analysis
17 "must be 'rigorous' and may 'entail some overlap with the merits of
18 the plaintiff's underlying claim.'" Id. at 1194 (2013) (quoting
19 Wal-Mart Stores, Inc. v. Dukes, 131 S. Ct. 2541, 2551 (2011)).
20 Even so, Rule 23 does not permit the court to "engage in free-
21 ranging merits inquiries at the certification stage." Id. at 1194-
22 95. The court may consider merits questions only to the extent
23 that they are relevant to whether the Rule 23 prerequisites are
24 satisfied. Id. at 1195.

25 If the court finds that the moving party has met its burden of
26 proof, the court has broad discretion to certify the class. Zinser
27 v. Accufix Research Inst., Inc., 253 F.3d 1180, 1186, amended by
28 273 F.3d 1266 (9th Cir. 2001).

1 **C. Motion to Strike Expert Testimony**

2 Federal Rule of Evidence 702 states that expert testimony is
3 admissible if "scientific, technical, or other specialized
4 knowledge will assist the trier of fact to understand the evidence
5 or to determine a fact in issue." This expert testimony must be
6 both relevant and reliable. Daubert v. Merrell Dow Pharms., Inc.,
7 509 U.S. 579, 589 (1993). When considering evidence proffered
8 under Rule 702, the district court must act as a gatekeeper by
9 making a preliminary determination that the expert's proposed
10 testimony is reliable. Kumho Tire Co. v. Carmichael, 526 U.S. 137,
11 141, 150 (1999). The Ninth Circuit's policy on admissibility is
12 liberal, though the district court must focus on the proposed
13 evidence's scientific reliability and relevance instead of its
14 persuasiveness. See Ellis v. Costco Wholesale Corp., 657 F.3d 970,
15 982 (9th Cir. 2011). The district court has broad latitude in both
16 determining whether an expert's testimony is reliable and deciding
17 how to determine the testimony's reliability. Id.

18 When an expert's testimony relates to damages calculations in
19 a class certification case, the district court must undertake a
20 rigorous analysis of the expert's opinions in the class
21 certification context, such as whether the opinions are consistent
22 with the liability case and whether they demonstrate that case's
23 proposed damages are measurable on a classwide basis. Comcast, 133
24 S. Ct. at 1433.

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1 **IV. DISCUSSION**

2 **A. Motion for Class Certification**

3 Defendants do not challenge the ISM's findings on
4 ascertainability, numerosity, commonality, typicality, or adequacy
5 of representation. They only challenge his conclusions as to Rule
6 23(b)(3): that common questions predominate over individual ones in
7 this case. In determining whether the predominance requirement is
8 satisfied, the court must identify the case's issues and determine
9 which are subject to common proof and which are subject to
10 individualized proof. See In re TFT-LCD Antitrust Litig., 267
11 F.R.D. 583, 600 (N.D. Cal. 2010. Liability in an antitrust case
12 requires (1) a conspiracy to fix prices in violation of the
13 antitrust laws; (2) an antitrust injury -- i.e., the impact of the
14 defendants' unlawful activity; and (3) damages caused by the
15 antitrust violations. Id.

16 The IPPs presented Dr. Netz's expert report to support their
17 contention that they can prove antitrust impact on a classwide
18 basis. The ISM thoroughly and correctly summarized Dr. Netz's
19 report in both R&Rs, and the Court ADOPTS those findings here. A
20 relatively brief summary follows.

21 Dr. Netz found that Defendants' industry is ripe for
22 cartelization and price-fixing because (1) collectively, Defendants
23 had a ninety-percent market share, and alternative CRT sources were
24 essentially unavailable; (2) barriers to entry for the CRT market
25 are high; (3) Defendants met and exchanged price-fixing
26 information, and policed cheating among themselves through
27 checkups, punishments, and most-favored-customers agreements. Netz
28 Decl. at 36-58. Dr. Netz also found that Defendants' meeting

1 documents state the prices that Defendants wanted to set (the
2 "target prices"), and that based on the available data, Defendants
3 were generally able to charge prices "at least 95 percent as high
4 as the target price 63 percent of the time, and only 13 percent of
5 the sales were more than 15 percent below the cartel's target
6 price." Netz Decl. at 63; Netz Decl. Exs. 14-17; Netz Rebuttal
7 Decl. at 3-4; Expert R&R at 7-8. These facts led Dr. Netz to
8 conclude that the cartel was successful at increasing prices.

9 Using qualitative and quantitative methods, Dr. Netz also
10 concluded that it is more probable than not that the cartel's price
11 increases impacted all, or nearly all, direct purchasers in a
12 common way. See Netz Decl. at 68-70.

13 First, to account for the fact that the CRT market is highly
14 differentiated -- that is, factors like CRT and customer
15 characteristics will impact prices -- Dr. Netz found that the CRT
16 cartel broadened its price-fixing impact by fixing the prices of
17 CRT models with different characteristics and then setting fixed
18 price differentials among models. Id. at 66-68. Dr. Netz cited
19 economic theory to support the contention that fixing a target
20 price for one particular model will also increase the prices of
21 non-target-priced models: if the price rises on a price-fixed
22 model, customers will migrate toward alternative models, raising
23 demand for them and therefore raising their prices. Id.

24 Quantitatively, Dr. Netz ran a hedonic regression³ to analyze the

25 _____
26 ³ Regression analysis is a common type of economic analysis that is
27 used to estimate the relationships among variables in order to
28 predict how a dependent variable will change when the independent
variables are varied. See Netz Decl. at 85. A hedonic regression
is a type of regression analysis used to correlate the prices of
goods with the goods' varying features or qualities. See Netz
Decl. at 68 n.219.

1 effects of different CRT characteristics on the overall price of
2 the goods, in which she incorporated documentary proof of
3 Defendants' target prices and the principal model characteristics
4 of the CRTs (size, shape, major or minor customer, and whether the
5 CRT was sold with add-ons or as a bare CRT). Expert R&R at 9. Dr.
6 Netz found that more than 90 percent of the variation in prices for
7 different CRTs is a function of those common principal
8 characteristics, and so the prices for different models of CRTs
9 tended to move in tandem, demonstrating a common pricing structure.
10 Netz Decl. at 68-70. In other words, common influences on the
11 price structure could be estimated using a formula, and by the same
12 type of regression analysis, a very high percentage of sales prices
13 could be determined by common variables. Therefore, Dr. Netz's
14 declaration shows that proof of harm to direct purchasers could be
15 proved without individual inquiry.

16 Second, Dr. Netz evaluated how and whether the direct
17 purchasers could pass on price increases to indirect purchasers.
18 She found that they could and did. Dr. Netz cited economic theory
19 stating that firms increase prices to cover significant, non-
20 transitory, industry-wide price increases but may absorb price
21 increases that are minimal, temporary, or narrow. Netz Decl. at
22 72-78. In a highly competitive industry, pass-through rates
23 approach 100 percent, meaning that 100 percent of a cost increase
24 is passed on in the form of a price increase. Id. at 73, 77. In a
25 chain of distribution, pass-through rates for each distribution may
26 be calculated in the form of a "channel-length" pass-through rate,
27 which is the product of pass-through rates for each link in a
28 distribution chain. Id. at 76-77.

1 Dr. Netz cited documentary evidence stating that Defendants
2 anticipated and observed that price increases for CRTs were being
3 incorporated into CRT products. Netz Decl. at 78-79, Exs. 29-32.
4 Dr. Netz also provided methods for showing common proof of
5 overcharges for both direct and indirect purchasers.

6 For direct purchasers, Dr. Netz offers four methods to
7 estimate the price direct purchasers would have paid had there been
8 no cartel (the "but-for price"). First, the "economic
9 determinants" method uses regression analysis to isolate the impact
10 of the cartel's activities from other price determinants like
11 demand, cost, and market structure, by using data from inside and
12 outside the cartel period. Netz Decl. at 85-90. Second, the
13 "benchmark method" identifies an industry that faced similar demand
14 and cost structures to the CRT industry, but that was not
15 cartelized. Id. at 90-91. This method evaluates market outcomes
16 for the non-cartelized industry and estimates outcomes in the
17 cartelized CRT industry absent the cartel. Id. Third, the
18 "simulation method" creates a model of the CRT industry using
19 demand, cost, and competition data to estimate marginal prices in
20 the absence of a cartel. Id. at 92-96. Fourth, the "market power
21 method" quantifies overcharges by using the cartel members' gain in
22 market power, obtained through collusion, as a basis for
23 calculating but-for prices. Id. at 96. This method estimates a
24 firm's but-for elasticity of demand and compares it to the
25 cartelized firm's elasticity of demand, in order to measure market
26 power and translate that into a but-for price. Id. at 96-97. Dr.
27 Netz provides substantial academic and theoretical support for each
28 of her methods. She also concludes that sufficient data is

1 available for all of these methods, and each method relies on
2 common data (not individualized evidence). Id. at 97.

3 For indirect purchasers, Dr. Netz conducted a total of forty-
4 seven regression studies using different common data sets to
5 determine the pass-through of direct-purchaser overcharges to
6 indirect-purchaser price increases. See Netz Decl. at 99 (noting
7 initial forty studies); Netz Rebuttal Decl. at 74 (adding
8 additional seven studies). Her regression model for estimating
9 pass-through rates regresses the price of the product at the bottom
10 of the channel (the end-customer's payment amount) on the cost at
11 the top of the distribution channel (how much Defendants charged
12 direct customers). Id. at 98-99. Dr. Netz provides two approaches
13 for estimating channel-length pass-through: the "top-and-bottom"
14 approach, which looks at the relationship between costs at the top
15 of the distribution chain and prices at the bottom; and the "top-
16 to-bottom" approach, which estimates the pass-through rate at each
17 level of the distribution chain and then multiplies them. Id. at
18 102-104. Her expert declaration and its exhibits describe her data
19 and variables, and her conclusion based on the forty-seven models
20 is that the pass-through rate down the distribution channel is at
21 least 100 percent of the cartel's overcharge, meaning that
22 virtually all class members suffered common harm. Netz Decl. at
23 97-104; Netz Rebuttal Decl. at 74-75. Further, Dr. Netz states
24 that this harm can be quantified by common evidence and methods.

25 Having reviewed Dr. Netz's proposed evidence and Defendants'
26 arguments as to why it does not suffice to show predominance under
27 Rule 23(b)(3), the ISM found all of Defendants' arguments lacking
28 and concluded that the IPPs had satisfied the predominance

1 requirement. Defendants now make the following arguments as to why
2 the ISM erred in finding that common issues predominate in this
3 case:

4 (1) The ISM applied the wrong legal standard
5 in evaluating the IPPs' burden to establish
6 a common method for proving that each class
7 member was injured;

8 (2) The ISM is wrong as a matter of law that
9 a guilty plea by one Defendant for one
10 product reduces the IPPs' burden under Rule
11 23(b)(3) to establish impact and injury to
12 all class members;

13 (3) The ISM used an outdated, pre-Comcast
14 legal standard in finding that the IPPs met
15 their burden to establish a reliable method
16 for assessing classwide damages using common
17 proof;

18 (4) Because of his legal errors in assessing
19 the IPPs' burden of proof, the ISM failed to
20 recognize the key substantive failings in
21 the IPPs' expert Dr. Netz's analysis;

22 (5) The MDL In re TFT-LCD Antitrust
23 Litigation, MDL No. 1827, No. M 07-1827 SI,
24 is not a basis for certifying an IPP class
25 in this case.

26 Class Obj'ns at 6-24.

27 **i. The Legal Standard in Evaluating the IPPs' Burden to**
28 **Establish a Common Method for Proving Class Injuries**

29 Defendants argue that the ISM "bases his analysis on the
30 erroneous legal proposition that plaintiffs are not required to
31 establish a reliable common methodology that is capable of proving
32 that each class member sustained individual injury as a result of
33 the alleged antitrust violation." Class Obj'ns at 7.

34 Defendants also claim that the ISM misinterpreted the common
35 evidence requirement as going only to Dr. Netz's damage
36 methodologies, even though fact of injury and measure of damages
37 are separate elements of an antitrust claim. Id. at n.13.

38 Defendants' argument is based on their contention that Dr. Netz's

1 proposed testimony does not establish that any, let alone all,
2 class members paid a supra-competitive price, since according to
3 Defendants, Dr. Netz's data set does not show how many consumers
4 purchased products at supra-competitive levels. Id. at 9-10.

5 Further, Defendants argue Dr. Netz's data set also proves that
6 there were uninjured class members. Id. at 10. Defendants
7 conclude that all of these contentions prove that Dr. Netz's
8 evidence, on its face, cannot possibly satisfy the legal
9 requirement that a putative class must establish a common method
10 for proving that all, or almost all, of the class members were
11 injured by the alleged antitrust violation. See id. at 7, 10-11.

12 Defendants' argument on this point is essentially that the
13 IPPs must be able to prove at the class certification stage that
14 every single (or basically every single) class member was injured
15 by Defendants' conduct. This contention is wrong. The Court's job
16 at this stage is simple: determine whether the IPPs showed that
17 there is a reasonable method for determining, on a classwide basis,
18 the antitrust impact's effects on the class members. See In re
19 TFT-LCD, 267 F.R.D. at 601; see also In re Dynamic Random Access
20 Memory (DRAM) Antitrust Litig., No. M 02-1486 PJH, 2006 WL 1530166,
21 at *9 (N.D. Cal. June 5, 2006). This is a question of methodology,
22 not merit. See In re DRAM, 2006 WL 1530166, at *9. Defendants
23 continually argue that the ISM's conclusions were based on a faulty
24 standard or that the standard has somehow changed drastically under
25 Dukes, Comcast, or Amgen, but the Court does not find that this is
26 true. None of those cases changed the standard that the ISM
27 applied. It is true that the Court's rigorous analysis overlaps
28 with the merits of the IPPs' claims and requires that the IPPs make

1 an evidentiary case for predominance, Comcast, 133 S. Ct. at 1431;
2 Amgen, 133 S. Ct. at 1196; Dukes, 131 S. Ct. at 2551, but
3 Defendants are trying to push the ISM and the Court toward a full-
4 blown merits analysis, which is forbidden and unnecessary at this
5 point, Amgen, 133 S. Ct. at 1194-95

6 Further, Defendants continually mischaracterize Dr. Netz's
7 report and the ISM's R&Rs as acknowledging but ignoring false
8 positives or uninjured class members. That is not what Dr. Netz or
9 the ISM said at any point. The Court's analysis of the record does
10 not show, as Defendants argue, that Dr. Netz ever states that her
11 model shows a large but unknown number of uninjured class members.
12 Again, the ISM found, and the Court finds now, that Dr. Netz's
13 analyses show common impact, and the IPPs need not prove, at the
14 class certification stage, that every single class member was in
15 fact injured in a specific way. Defendants' arguments, which are
16 mostly based on contentions in deposition transcripts and their own
17 expert's testimony, go to the IPPs' claims' merits, not their
18 methods, and that issue is for the jury to decide.

19 Based on Dr. Netz's methodology, described above, and the
20 ISM's thorough R&Rs, the Court is satisfied that for class
21 certification purposes, the IPPs have established a common method
22 for proving that each class member was injured, and that the ISM
23 did not err in his R&R on this point.

24 **ii. Guilty Pleas**

25 Defendants argue that the ISM applied a "lower than usual
26 burden" for demonstrating common impact in this case because in
27 this case, as in In re TFT-LCD, one defendant has pleaded guilty to
28 antitrust violations. Class Obj'ns at 11 (citing Class R&R at 20

1 n.5). This argument stretches what the R&R actually says. The ISM
2 referenced the guilty plea in a footnote in one page of a lengthy,
3 detailed analysis of classwide impact, which as the Court found
4 above was undertaken using the proper standard of review. The
5 Court finds that the ISM did not err in referencing the guilty
6 plea.

7 **iii. The IPPs' Standard for Establishing a Reliable**
8 **Method for Assessing Classwide Damages**

9 Defendants argue that the ISM erred in concluding that Dr.
10 Netz offered a sufficient methodology for assessing classwide
11 damages using common proof, and that the reliability of her common
12 damages theories should be adjudicated at trial instead of at class
13 certification. Class Obj'ns at 13 (citing Class R&R at 36). They
14 state that the ISM did not follow the Comcast standard, which
15 requires that alleged damages be measurable on a classwide basis
16 through reliable common economic evidence. Id. (citing Comcast,
17 133 S. Ct. at 1433). As Defendants characterize Comcast, the
18 case's rule does not only apply in cases in which plaintiffs assert
19 multiple theories of antitrust liability but fail to tie their
20 proposed damages measurement to the theory on which they ultimately
21 rely. Id. at 14. Rather, they essentially argue that Comcast
22 requires plaintiffs to provide proof of, and calculate, damages at
23 the class certification stage. Id.

24 According to Defendants, under Comcast, the IPPs cannot
25 demonstrate that "the methodology is a just and reasonable
26 inference" and not merely "speculative." Id. (citing Comcast, 133
27 S. Ct. at 1431, 1433). Defendants state that because Dr. Netz did
28 not calculate damages and said during a deposition that "it is

1 within the realm of possibility" that one of the methods might not
2 be implementable, the ISM erred in finding her methodology
3 acceptable.

4 Contrary to Defendants' arguments, Comcast does not require
5 the IPPs to prove the merits of their claim at this point.
6 Defendants insist that it requires putative class action plaintiffs
7 to prove and calculate their damages at the class certification
8 phase. That is not exactly what the case says. In Comcast, the
9 putative plaintiff class had asserted four theories of antitrust
10 impact against a defendant. 131 S. Ct. at 1430-31. The district
11 court accepted one of the four theories as capable of classwide
12 proof and rejected the rest. Id. at 1431. However, the plaintiff
13 class's expert's model did not isolate damages resulting from that
14 the one acceptable theory. It provided a more general theory of
15 damages. The Court of Appeals affirmed the district court's
16 certification of the class, holding that the defendant's argument
17 on the imprecise damages model was a premature attack on the
18 methodology's merits, and stating that the plaintiffs did not need
19 to tie each theory of antitrust impact to an exact calculation of
20 damages. Id.

21 The Supreme Court reversed. First, the Court emphasized the
22 necessity of district courts' probing behind the pleadings, to some
23 extent, to make a rigorous analysis of whether Rule 23 has been
24 satisfied. Id. at 1432. Second, the Court held that per
25 straightforward application of class certification principles, it
26 is clear that a putative class's model must establish that the
27 theory of damages they invoke be capable of measurement on a
28 classwide basis. Id. at 1432-33. Since the Comcast plaintiffs

1 advanced one theory of antitrust impact, they were required to
2 provide a model measuring damages attributable to that theory of
3 liability, though they did not need to make an exact calculation.
4 Id. at 1433. "A method" for measuring damages is therefore not
5 enough -- it needs to be "the method" in relation to the theory of
6 liability the plaintiffs assert. See id. The Court effectively
7 illustrated plaintiffs' error in Comcast with an example of the
8 problems inherent in allowing putative classes to assert vague
9 damages for various methodologies. Across a geographic area,
10 numerous groups of plaintiffs might have been harmed in different
11 ways (e.g., elimination of competition in one county, and a
12 combination of alleged antitrust effects in another), making it
13 impossible to accept the methodology of damages since the whole
14 class had been harmed in various ways. Id. at 1434-35. The facts
15 of Comcast presented a situation in which the plaintiffs' theory of
16 damages did not map to their theory of liability, so the plaintiffs
17 failed to show through common evidence that all class members had
18 been harmed by the alleged conspiracy.

19 Such a situation does not exist in this case. The IPPs assert
20 one theory of antitrust harm: that the cartel overcharged direct
21 purchasers of CRTs, who passed on the overcharge through the
22 distribution chain down to the consumers, who were harmed by the
23 antitrust impact. See Class Reply at 20. Defendants do not
24 contend that Dr. Netz's damages analyses are not tied to that
25 single theory. Instead they argue that Dr. Netz has done nothing
26 more than describe a hoped-for methodology for calculating damages.
27 See Class Obj'ns at 14-15.

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1 This contention is not accurate, and the cases Defendants use
2 to support their argument do not change the appropriate standard.
3 In Montano v. First Light Federal Credit Union, No. 7-04-17866-TL,
4 2013 WL 2244216, at *7 (Bkrtcy. D.N.M. May 21, 2013), the
5 bankruptcy court rightly rejected a proposed damages calculation
6 because it was merely a five-paragraph suggestion of possible
7 proposals that the court found unconvincingly vague. Here Dr. Netz
8 has, congruently with the IPPs' theory of antitrust liability,
9 described four economic models for measuring the overcharge,
10 identified the types of data required under each method (and noted
11 that more data could arise), explained how the data was common to
12 the class, and demonstrated that each model has been used
13 effectively in other cases. See Netz Decl. at 83-104. Defendants
14 also attempt to distinguish a recent case that the ISM cited, In re
15 High-Tech Employee Antitrust Litigation, 289 F.R.D. 555 (N.D. Cal.
16 2013), in which the plaintiffs' expert performed a proposed
17 classwide damages calculation using a regression analysis that the
18 court held admissible and persuasive, id. at 582-83. High-Tech
19 Employee does not suggest that the type of precise calculation
20 Defendants desire is required. Nor does it alter the Comcast rule.
21 Id. at 582-83.

22 The ISM found that Comcast did not preclude Dr. Netz's damages
23 methodology, because the IPPs assert, and Dr. Netz analyzed, just
24 one theory of antitrust liability. Class R&R at 36-37. Further,
25 neither Comcast nor any other precedent requires the IPPs to
26 provide exact calculations of their damages at the class
27 certification stage. See Comcast, 131 S. Ct. at 1433; see also In
28 re TFT-LCD, 267 F.R.D. at 606 ("In price-fixing cases,

1 '[p]laintiffs are not required to supply a precise damage formula
2 at the certification stage.'" (quoting In re Static Random Access
3 (SRAM) Antitrust Litig., No. C 07-0819 CW, 2008 WL 4447592, at *6
4 (N.D. Cal. Sept. 29, 2008)). Again, the ISM found that Defendants'
5 arguments misread Comcast and relevant precedent to require proof
6 of the merits of their damages claim -- as opposed its methodology
7 -- at the class certification stage. This finding was correct.
8 The ISM did not err here.

9 **iv. Dr. Netz's Analysis**

10 Finally, Defendants argue that due to the ISM's purported
11 legal errors, he missed several key substantive failings in Dr.
12 Netz's analysis of pass-through. Defendants assert three critical
13 errors: (1) Dr. Netz's use of averages obscures the fact that many,
14 if not most, class members did not suffer impact or injury; (2) Dr.
15 Netz used unrepresentative data; and (3) Dr. Netz's false factual
16 assumptions render her common impact and injury opinions
17 unreliable. Class Obj'ns at 18-23.

18 The ISM did not err in his recommendations on the IPPs' burden
19 of proof. Nor did he "fail to recognize" the purported failings.
20 Defendants raised them then, and the ISM rejected them.

21 **a. Averages**

22 First, Defendants argue that Dr. Netz's use of "average data,"
23 as opposed to actual prices paid by individual class members,
24 precludes the fact that many or most class members were not
25 injured. Class Obj'ns at 17-18. As discussed above, Dr. Netz's
26 model does not show this, and nowhere do the IPPs admit it
27 (contrary to Defendants' accusations, which are better suited to
28 cross-examination than a class certification argument). It

1 accounts for classwide injury for all or almost all class members,
2 and it incorporates actual transaction-level data when available in
3 usable form. See Class R&R; see also Netz Decl. at 99-102, Ex. 34.
4 Defendants' contention is basically that variation among purchasers
5 and CRTs renders many or most class members unharmed by the alleged
6 antitrust activity, a fact that averaging hides. See Class Obj'ns
7 at 18. But Dr. Netz's model, based on target prices and variant
8 prices, notes that all prices embody a basic overcharge, and that
9 the overcharges can be calculated without individualized inquiry.
10 See Class R&R at 30. Defendants insist that Dr. Netz used no
11 transactional-level data, citing their own expert's different
12 findings based on the same data for one retailer of CRT products.
13 Class Obj'ns at 19. This battle of experts indicates that the
14 dispute does not concern methodology alone. It is a merits
15 question for the jury.

16 Defendants point to two cases in which Dr. Netz's models were
17 rejected as proof of why they should be rejected in this case: In
18 re Flash Memory Antitrust Litigation, No. 07-0086 SBA, 2010 WL
19 2332081 (N.D. Cal. June 9, 2010), and In re Graphics Processing
20 Units (GPU) Antitrust Litigation, 253 F.R.D. 478 (N.D. Cal. 2008).
21 In Flash Memory, the court rejected Dr. Netz's regression analysis
22 for not accounting for variances in price trends based on
23 particular chips, categories of chips, or categories of consumers.
24 2010 WL 2332081, at *10. In GPU, the court rejected Dr. Netz's
25 analysis for not accounting for variable factors that would impact
26 prices. Both cases are inapposite here. The IPPs have submitted
27 evidence that CRTs are not so variable as flash memory or graphics
28 processing units, which were highly customized and not generally

1 interchangeable. Rather, CRT prices, as Dr. Netz found, depend on
2 a small set of variables, for which her model accounts. The IPPs'
3 case, again, is much more like TFT-LCD, in which Judge Illston
4 considered and rejected an identical argument about averages.

5 Accordingly, the Special Master did not err in his decision on
6 the averages question.⁴ The Court ADOPTS it here. Finally, the
7 Special Master's note that Defendants' own expert used averages was
8 not error.

9 **b. Representative Data**

10 Defendants content that Dr. Netz used "relatively small and
11 admittedly non-random data samples" in analyzing pass-through,
12 thereby rendering her analysis incapable of satisfying Rule
13 23(b)(3)'s requirement that plaintiffs prove a common method for
14 reliably proving classwide injury and impact. Class Obj'ns at 20-
15 21. However, Dr. Netz's studies include over forty data sets from
16 twenty-nine different entities, for more than 131 million CRTs, in
17 a data range spanning seven years and more than 100 million price
18 and cost observations. Id.; Netz Decl. at 97-104, Exs. 34, 36, 40-
19 43; Netz Rebuttal Decl. Section X.A.2, Ex. RR-34. Defendants'
20 vague accusation of non-representativeness is not convincing. The
21 ISM did not err in dismissing their arguments on this point.

22 **c. Factual Assumptions**

23 Defendants' last argument is that Dr. Netz relies on false
24 factual assumptions, thereby rendering her common impact and injury
25 opinions unreliable. Specifically, Defendants claim that they have
26

27 ⁴ Defendants also took issue with the ISM's approving reference to
28 TFT-LCD's citation of Gordon v. Microsoft, No. MC 00-5994, 2003 WL
23105550 (D. Minn. Dec. 15, 2003), but this objection is spurious:
that case was not controlling for either the ISM or Judge Illston.

1 forced Dr. Netz to concede the falsity of: (1) the cartel price
2 increase's significance, (2) the permanence of any price increases,
3 (3) the meaning of "permanence" in this case, (4) the effects of
4 price increases on Sony, and (5) the global effects of the alleged
5 cartel. Class Obj'ns at 21-23. On review, Defendants' references
6 to most of these "gotchas" are based on vague deposition testimony,
7 not demonstrative falsity in the record. None of the "assumptions"
8 Dr. Netz is claimed to have made, nor any of the alleged falsity,
9 appear to affect Dr. Netz's analyses in a demonstrable way, and
10 similarly, Defendants' accusations that the ISM makes similarly
11 unsupported contentions are based on misleading characterizations
12 of his recommendations. If Defendants want to cross-examine Dr.
13 Netz, they can do so before a jury.

14 **ii. TFT-LCD's Applicability to This Case**

15 Defendants also contend that neither the ISM nor the Special
16 Master should use TFT-LCD as a basis for certifying the IPPs'
17 class, Class Obj'ns at 23-25, presumably because TFT-LCD is not a
18 favorable case for Defendants. But this does not mean the case is
19 inapposite. In any event, TFT-LCD is not binding, and no one
20 contends that it is. As noted above, the governing standards here
21 are set by the Supreme Court, the Ninth Circuit, and the Federal
22 Rules of Civil Procedure.

23 **B. Motion to Strike**

24 For all the reasons discussed above, which were essentially
25 raised in both motions, the Court DENIES Defendants' motion to
26 strike Dr. Netz's proposed expert testimony. The Court ADOPTS the
27 ISM's R&R on this motion in full. The Court declines to rehash
28 either its own analysis from the above sections or the ISM's

1 discussion in his recommendation. In short, Defendants' arguments
2 in that motion restate their arguments from their opposition to the
3 class certification motion, and are denied for the same reasons.
4 Further, those arguments go more toward the weight of Dr. Netz's
5 opinions, not their reliability or admissibility.

6 The only two arguments Defendants did not precisely raise here
7 are these: (1) Dr. Netz's target price analysis is unreliable
8 because she improperly assumed that the overseas cartel target
9 prices applied to CRTs sold in the United States, Expert Obj'ns at
10 23-24; and (2) Dr. Netz's use of economic theory not linked to the
11 record evidence as a substitute for actual damages analysis
12 inadmissible expert ipse dixit, id. at 24-25. The Court finds that
13 the ISM did not err in his recommendations on these points: (1)
14 Defendants' criticism, mostly reliant on contrary expert evidence,
15 is an attack on the weight of Dr. Netz's opinions, not her
16 methodology's scientific reliability; and (2) Dr. Netz did not
17 ignore relevant individualized data, and her report and responses
18 accord with economic logic. Expert R&R at 8-10, 18-19.

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1 **V. CONCLUSION**

2 As explained above, the Court ADOPTS the Interim Special
3 Masters Reports and Recommendations on the Indirect Purchaser
4 Plaintiffs' Motion for Class Certification and the Defendants'
5 Motion to Strike the Proposed Expert Testimony of Dr. Janet S.
6 Netz. The Court therefore GRANTS the motion for class
7 certification and DENIES the motion to strike. The classes listed
8 in the ISM's report and recommendation on the motion for class
9 certification are hereby certified.

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11 IT IS SO ORDERED.

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13 Dated: September 19, 2013



14 UNITED STATES DISTRICT JUDGE

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