ClaimMaster

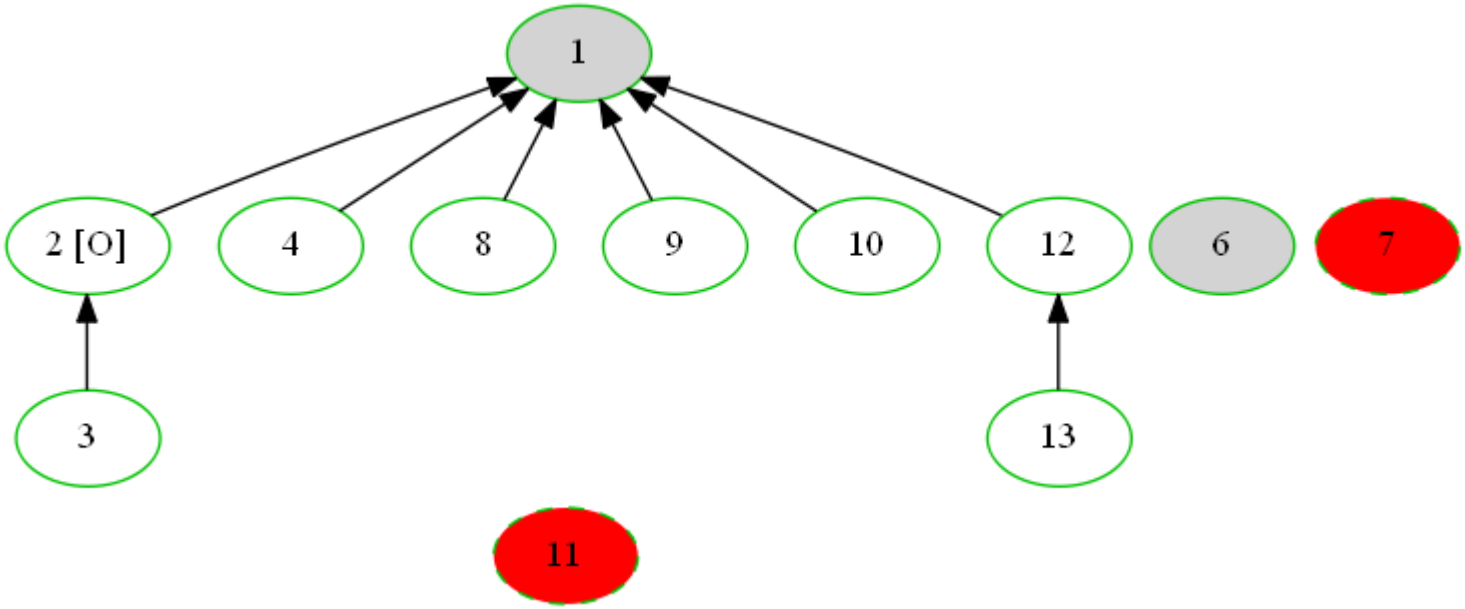
Patent Document Report

Document Name: Sample 2 Application.docx
Date: 11/28/2021

TABLE OF CONTENTS

I. Claims Overview (Tree and/or Text)

Note: *The type of each claim is indicated by its color.*[1] *Independent claims are grey inside. Claims with invalid parent numbers are dotted. If present, status indicators will be provided in brackets next to the claim numbers.*[2]



[1] Claim type color legend: **Method/process**; **Apparatus/device**; **Composition**; **Article of manufacture**; **112(6)**; **Product by process**; Jepson

[2] Status indicator legend: **[O]**="Original"; **[PP]**="Previously Presented"; **[CA]**="Currently Amended"; **[N]**="New"; **[X]**="Cancelled"; **[W]**="Withdrawn"; **[WA]**="Withdrawn and Amended"; **[NE]**="Not Entered"

II. **Claim Errors and Warnings**[3]

Claim	Error/Warning Message
2. (*Original {1}*) The method of Claim 1, wherein said receiver comprises a cable television (CATV) receiver.	{1} ***Error:*** Either the claim or its parent is missing a status indicator (i.e., "Original"). If the claim has a status identifier, so should its parent (and vise-versa). {2} ***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb. Is this limitation in proper method form?
3. The method of Claim 2, wherein said at least one other channel comprises at least one video channel.	{1} ***Error:*** Either the claim or its parent is missing a status indicator. {2} ***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
4. The method of Claim 1, wherein <u>at least one</u> of said first power measurement *or {2}* said total power measurement is determined at an input of said receiver.	{1} ***Error:*** Claim is amended, but its status identifier does not reflect the amendment. Change the claim's status identifier to the one that indicates a current amendment, such as (Currently Amended). {2} ***Style warning:*** Claim includes 'alternative' language which might render the claim broader than intended (i.e., "or"). Review the claim, as alternative phrases in claim limitations can render them broader than intended, leading to easier invalidity

[3]*Fix suggestions/detailed explanations are not repeated for the same types of issues to preserve space.*

Claim	Error/Warning Message
	challenges. {3} ***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
6. The method of Claim 6, wherein said level-versus-frequency tilt of said composite signal is determined at an input of said receiver.	{1} ***Error:*** Claim cannot depend from itself. Make sure the claim references an existing parent claim that is not cancelled. {2} ***Error:*** Claim number is out of sequence. Make sure claims are numbered sequentially. See MPEP 608.01(j) {3} ***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
7. The method of Claim 5, further comprising compensating for a differing signal tilt when performing at least one of said first *or {1}* total power measurements at a location different from a location of said receiver by utilizing said level-versus-frequency tilt.	{1} ***Style warning:*** Claim includes 'alternative' language which might render the claim broader than intended (i.e., "or"). {2} ***Error:*** Claim depends from an invalid parent. {3} ***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
8. The method of Claim 1, wherein said at least one other channel in said composite signal comprises at least one analog channel.	***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.

Claim	Error/Warning Message
9. The method of Claim 1, wherein said at least one other channel in said composite signal comprises a plurality of analog channels.	***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
10. The method of Claim 1, further comprising computing a relative power ratio between said first power measurement and said total power measurement.	***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
11. The method of Claim 99, further comprising using said relative power ratio to predict the likelihood that other devices receiving said first digital channel would be impaired by internal intermodulation distortions.	{1} ***Error:*** Claim depends from an invalid parent. {2} ***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
12. The method of Claim 1, further comprising generating a tilt line for a plurality of channels in said composite signal to use as a reference power.	***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.
13. The method of Claim 12, further comprising outputting a susceptibility result for said first digital channel in accordance with said reference power so that a same test device will give a same susceptibility result at different points in a network having different tilts.	***Style warning:*** First element in a limitation of a method/process claim is not a gerund verb.

Claim	Error/Warning Message

III. **Antecedents Errors/Warnings**

Claim	Error/Warning
1. A method for testing susceptibility of *a receiver{1}*, the method comprising: selecting a first digital channel from a plurality of channels in a composite signal; determining *the first power measurement{2}* from said first digital channel; and determining *the susceptibility{3}* of *said first digital transceiver{4}* to intermodulation distortion by comparing *said first power measurement{5}* and *said total power measurement{6}* with intermodulation distortion characteristics of *said digital transceiver{7}*.	{1} Limiting preamble?: "a receiver." Terms in the preamble may be given patentable weight if re-used in the claim body. See, e.g., MPEP 2111.02. {2} ***No antecedent:*** "the first power measurement." {3} ***Double-check:*** "the susceptibility." Is "testing susceptibility" in claim 1 the proper antecedent reference for this term? {4} ***No antecedent:*** "said first digital transceiver." {5} ***No antecedent:*** "said first power measurement." {6} ***No antecedent:*** "said total power measurement." {7} ***No antecedent:*** "said digital transceiver."
3. The method of Claim 2, wherein *said at least one other channel* comprises at least one video channel.	***No antecedent:*** "said at least one other channel."

Claim	Error/Warning
4. The method of Claim 1, wherein <u>at least one</u> of *said first power measurement{1}* or *said total power measurement{2}* is determined at an input of said receiver.	{1} ***No antecedent:*** "said first power measurement." {2} ***No antecedent:*** "said total power measurement."
6. *The method{1}* of Claim 6, wherein *said level-versus-frequency tilt{2}* of *said composite signal{3}* is determined at an input of *said receiver{4}*.	{1} ***No antecedent:*** "the method." {2} ***No antecedent:*** "said level - versus - frequency tilt." {3} ***No antecedent:*** "said composite signal." {4} ***No antecedent:*** "said receiver."
7. *The method{1}* of Claim 5, further comprising compensating for a differing signal tilt when performing at least one of *said first or total power measurement{2}*s at *a location{3}* different from *a location{3}* of *said receiver{4}* by utilizing *said level-versus-frequency tilt{5}*.	{1} ***No antecedent:*** "the method." {2} ***No antecedent:*** "said first or total power measurement." {3} Ambiguity?: "a location." Found several instances of the same term used without a definite article. {4} ***No antecedent:*** "said receiver." {5} ***No antecedent:*** "said level - versus -

Claim	Error/Warning
	frequency tilt."
8. The method of Claim 1, wherein *said at least one other channel* in said composite signal comprises at least one analog channel.	***No antecedent:*** "said at least one other channel."
9. The method of Claim 1, wherein *said at least one other channel* in said composite signal comprises a plurality of analog channels.	***No antecedent:*** "said at least one other channel."
10. The method of Claim 1, further comprising computing a relative power ratio between *said first power measurement{1}* and *said total power measurement{2}*.	{1} ***No antecedent:*** "said first power measurement." {2} ***No antecedent:*** "said total power measurement."
11. *The method{1}* of Claim 99, further comprising using *said relative power ratio{2}* to predict *the likelihood{3}* that other devices receiving *said first digital channel{4}* would be impaired by internal intermodulation distortions.	{1} ***No antecedent:*** "the method." {2} ***No antecedent:*** "said relative power ratio." {3} ***No antecedent:*** "the likelihood." {4} ***No antecedent:*** "said first digital channel."

Claim	Error/Warning
2. (Original) The method of Claim 1, wherein said *receiver* comprises a cable television (CATV) *receiver*.	Ambiguity?: "receiver." Found several instances of the same term used without a definite article.
12. The method of Claim 1, further comprising generating a tilt line for *a plurality of channels* in said composite signal to use as a reference power.	Ambiguity?: "a plurality of channels." Found several instances of the same term used without a definite article.

IV. Claim Terms and Words Having No or Limited Support in the Specification

Note: *term phrases lacking support are underlined, individual words missing specification support are shown in red, and words with limited support (i.e., less than 5 hits in the specification) are shown in orange, if this report option is selected.*

Claims	Terms/words without or with limited support
1. A method for testing susceptibility of a receiver, the method comprising: selecting a first digital channel from a plurality of channels in a composite signal; determining the first power measurement from said first digital channel; and determining the susceptibility of said first digital transceiver to intermodulation distortion by comparing said first power measurement and said total power measurement with intermodulation distortion characteristics of said digital transceiver.	digital transceiver transceiver
2. (Original) The method of Claim 1, wherein said receiver comprises a cable television (CATV) receiver.	Claim [count: 2] cable television [count: 3]
3. The method of Claim 2, wherein said at least one other channel comprises at least one video channel.	video channel [count: 2]
4. The method of Claim 1, wherein at least one of said first power measurement or said total power measurement is	determined [count: 3]

Claims	Terms/words without or with limited support
determined at an input of said receiver.	
6. The method of Claim 6, wherein said level-versus-frequency tilt of said composite signal is determined at an input of said receiver.	level-versus-frequency tilt [count: 3]
7. The method of Claim 5, further comprising compensating for a differing signal tilt when performing at least one of said first or total power measurements at a location different from a location of said receiver by utilizing said level-versus-frequency tilt.	or total power measurements [count: 1] differing signal tilt [count: 2]
8. The method of Claim 1, wherein said at least one other channel in said composite signal comprises at least one analog channel.	analog channels [count: 4]
9. The method of Claim 1, wherein said at least one other channel in said composite signal comprises a plurality of analog channels.	analog channels [count: 2]
10. The method of Claim 1, further comprising computing a relative power ratio between said first power measurement and	computing [count: 3] relative power ratio [count: 3]

Claims	Terms/words without or with limited support
said total power measurement.	
11. The method of Claim 99, further comprising using said relative power ratio to predict the likelihood that other devices receiving said first digital channel would be impaired by internal intermodulation distortions.	likelihood [count: 3] impaired by internal intermodulation distortions [count: 1]
12. The method of Claim 1, further comprising generating a tilt line for a plurality of channels in said composite signal to use as a reference power.	reference power [count: 3]
13. The method of Claim 12, further comprising outputting a susceptibility result for said first digital channel in accordance with said reference power so that a same test device will give a same susceptibility result at different points in a network having different tilts.	same susceptibility result [count: 1] different points [count: 2]

V. Inconsistent Part Names and Numbers

Note: *terms completely in red are more likely to be incorrectly named or numbered. With partially inconsistent names, mismatched sections are colored in orange.*

Part Number	Consistently Used Part Name [# of occurrences]	Inconsistently Named/Numbered Part [# of occurrences]	Citations [Page/Line # in the document]
100	**tester module**	network	As shown in Figure 2, an intermodulation testing device is indicated generally by the **network 100**. [Page 6, line 17.]
		tester nodule	The method 300 includes extra functional blocks to perform tilt compensation, such as to measure susceptibility at other locations distant from the location of the **tester nodule 100**. [Page 9, line 23.]
		test device	Preferred embodiments of the **test device 100** of Figure 1 may use a relative power ratio between the analog video ... [Page 13, line 6.]
120	**RF tuner**	frequency RF tuner	The tester module 100 includes a controller 110, a **frequency (RF) tuner 120** connected to the controller, a detector 130 connected to ... [Page 6, line 17.]
200	**channel**	system	The method 300 is similar to the **system 200**; so duplicate description shall be omitted. [Page 9, line 20.]
		method	The **method 200** includes a channel selection block 210, which passes control to a digital channel ... [Page 7, line 4.]

Part Number	Consistently Used Part Name [# of occurrences]	Inconsistently Named/Numbered Part [# of occurrences]	Citations [Page/Line # in the document]
224	**susceptibility result**	result	The TCP tester module may display or otherwise output a susceptibility report or **result 224**, which may be a pass/fail indicator and/or the degree ... [Page 9, line 8.]
400	**exemplary plot**	plot	The **plot 400** includes measured analog signal powers 412, 414, 416, 418, 420... [Page 10, line 18.]
412	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412**, 414, 416, 418, 420, 422, 424... [Page 10, line 18.]
414	**analog signal powers**	powers	Here, a first frequency span S1 includes the measured **powers 412, 414**, 416 and 418. [Page 10, line 20.]
416	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416**, 418, 420, 422, 424... [Page 10, line 18.]
418	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418**, 420, 422, 424... [Page 10, line 18.]
420	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420**, 422, 424... [Page 10, line 18.]

Part Number	Consistently Used Part Name [# of occurrences]	Inconsistently Named/Numbered Part [# of occurrences]	Citations [Page/Line # in the document]
422	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422**, 424... [Page 10, line 18.]
424	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422, 424**... [Page 10, line 18.]
426	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422, 424... [**Page 10, line 18.]
428	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422, 424... [Page** 10, line 18.]
430	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422, 424... [Page 10, l**ine 18.]
432	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422, 424... [Page 10, line 1**8.]
434	**powers**	analog signal powers	The plot 400 includes measured **analog signal powers 412, 414, 416, 418, 420, 422, 424... [Page 10, line 18.]**
436	**powers**	analog signal powers	The plot 400 includes measured analog signal powers 412, 414,

Part Number	Consistently Used Part Name [# of occurrences]	Inconsistently Named/Numbered Part [# of occurrences]	Citations [Page/Line # in the document]
			416, 418, 420, 422, 424... [Page 10, line 18.]
500	**method**	reference numeral	Turning to Figure 5, a method for assessing susceptibility of a CATV receiver to intermodulation distortion is indicated generally by the **reference numeral 500**. [Page 12, line 2.]

VI. Inconsistent Part Numbers in Figures[4]

Part #s not found or missing a name in the Specification: Sheet #1: 199 Part #s not found in Figures: 110, 400, 500, 510, 512, 514, 516, 518, 520, 522, and 524	

[4] Reporting accuracy depends on whether part numbers can be correctly extracted from the figures. For example, some OCRed PDFs may contain incorrect text, which will reduce the accuracy of this feature.

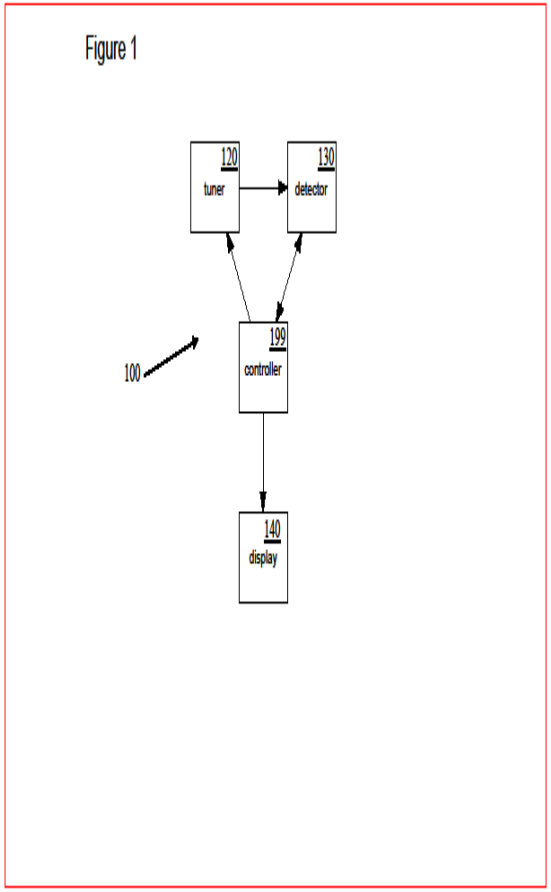


Figure 1 is a schematic diagram of an intermodulation testing device in accordance with an exemplary embodiment of the present disclosure.

Identified parts:
100 tester module
120 RF tuner
130 detector
140 display

Parts not in the spec: 199

Warnings:
1. Page size of 10 x7.5 inches is neither letter (8.5 x 11) nor A4 (see 37 CFR 1.84(f)).

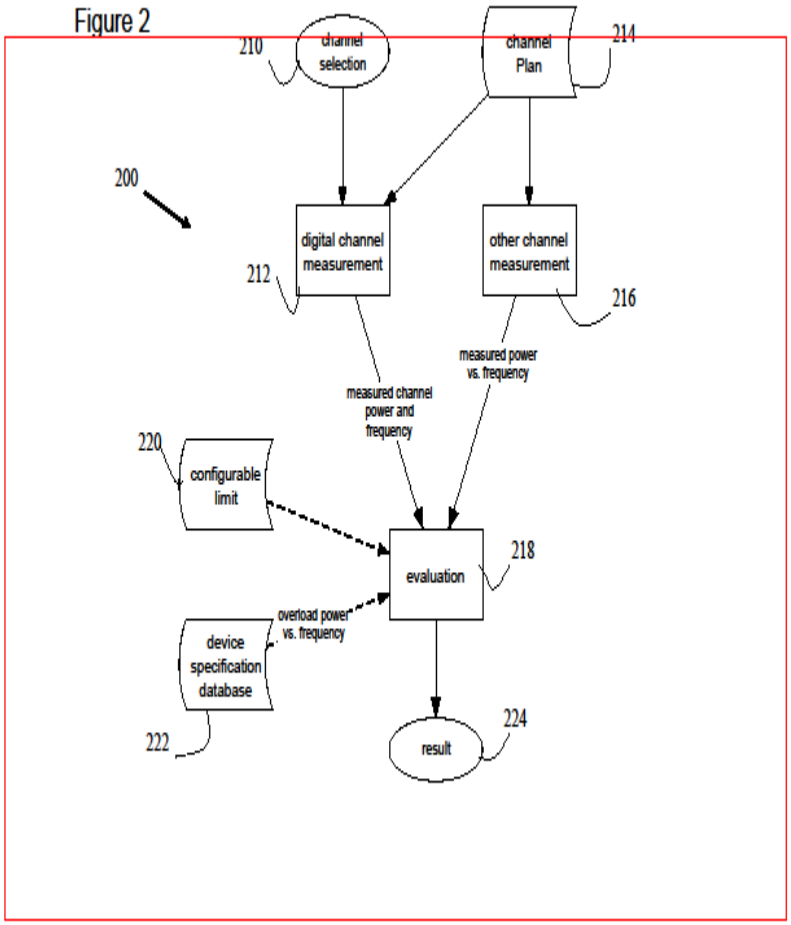


Figure 2, an intermodulation testing device is indicated generally by the network 100.

Identified parts:
200 channel
210 channel selection block
212 digital channel measurement block
214 channel plan
216 channel measurement block
218 evaluation block
220 configurable limit
222 device specification database
224 susceptibility result

Warnings:
1. Page size of 10 x7.5 inches is neither letter (8.5 x 11) nor A4 (see 37 CFR 1.84(f)).

2. Fonts may be too small: 8.04pt, 9pt.

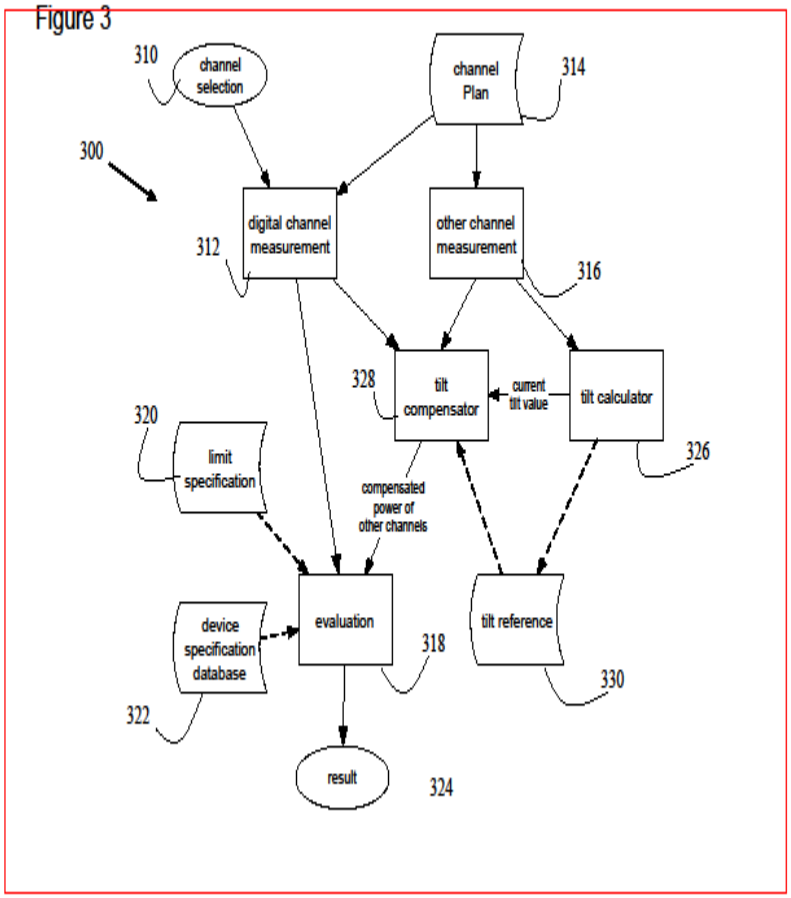


Figure 3, another method executable by the controller 110 of Figure 1 is indicated generally by the method 300.

Identified parts:
300 method
310 channel selection block
312 digital channel measurement block
314 channel plan
316 channel measurement block
318 evaluation block
320 threshold
322 device specification database
324 corresponding result
326 tilt calculator
328 tilt compensator
330 tilt reference

Warnings:
1. Page size of 10 x7.5 inches is neither letter (8.5 x 11) nor A4 (see 37 CFR 1.84(f)).

2. Fonts may be too small: 9pt, 8.04pt.

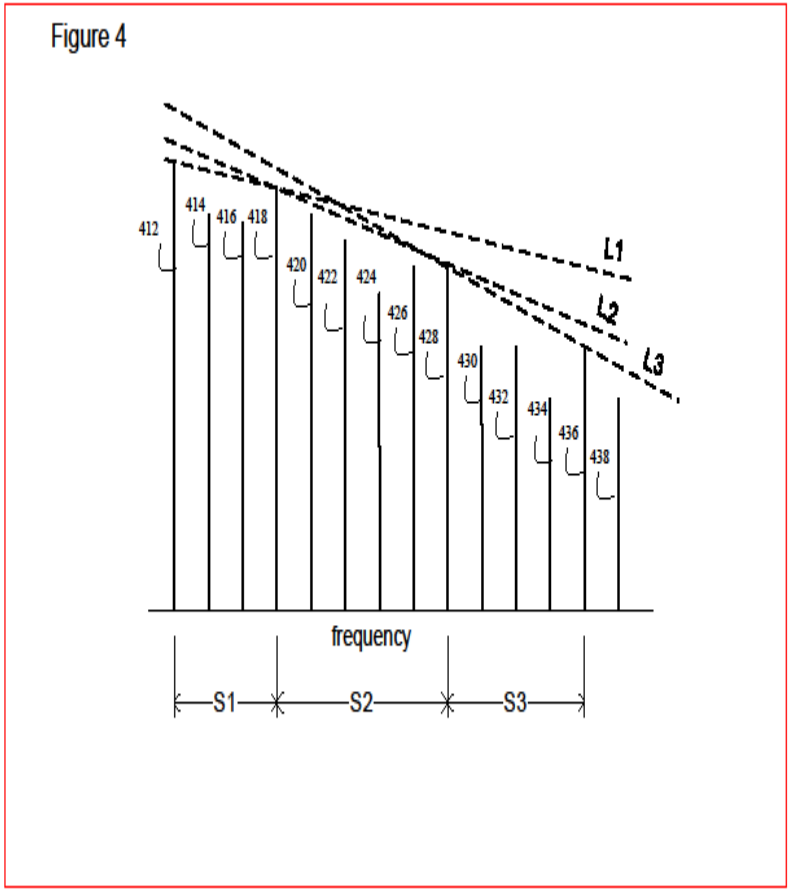


Figure 4, a plot of measured powers of analog TV channels is generally indicated.

Identified parts:
1 equation
412 powers
414 analog signal powers
416 powers
418 powers
420 powers
422 powers
424 powers
426 powers
428 powers
430 powers
432 powers
434 powers
436 powers
438 analog signal powers

Warnings:
1. Page size of 10 x7.5 inches is neither letter (8.5 x 11) nor A4 (see 37 CFR 1.84(f)).

Figure 5 is a graphical diagram of measured powers of analog channels in accordance with an exemplary embodiment of the

	present disclosure. **Warnings:** 1. Figure 5 not found in the drawings.
	Figure 6 is a flow diagram for a method of intermodulation susceptibility testing device in accordance with an exemplary embodiment of the present disclosure. **Warnings:** 1. Figure 6 not found in the drawings.
	Figure 2A, a method executable by the controller 110 of Figure 1 is indicated generally by the channel 200. **Warnings:** 1. Figure 2A not found in the drawings.

VII. **Inconsistent Acronyms**

Acronym	Definition	Error Message
CATV		Acronym is not defined in text
IM	internal intermodulation	Check first letters
RF	a frequency	Check first letters
TCP		Acronym is not defined in text

VIII. Document Language Errors/Warnings

Error/Suggested Fix	Citations [Page/Line # in the document]
Document text includes excluding phrases. Excluding phrases in the specification may be used to limit the scope of your claims. Review, to ensure that potential infringers do not try to limit the scope of the patent based on the statements in the specification.	Here, the evaluation block 218 sums the amount by which the power of any channel **other than** the digital channel being evaluated exceeds the device's rejection capability. [Page 8, line 18.] In addition, the method 500 may further include a function block 522, which receives control from the function block 520 and uses the level-versus-frequency signal tilt measured at the CATV receiver input to compensate for the differing signal tilt when performing the signal power measurements at a location in the network **other than** at the original CATV receiver input. [Page 12, line 17.]
Do not use words such as 'invention' or 'embodiment' . At least in the U.S., there exists legal precedent for using patentee's statements regarding the 'invention' to limit the claim scope during litigation. Avoid any direct characterizations of 'invention' or 'preferred embodiments', if possible.	The present **invention** relates to cable television (CATV) receivers. [Page 1, line 5.] More particularly, the present **invention** relates to a method and apparatus for measuring the susceptibility to intermodulation distortion of ... [Page 1, line 6.] Figure 1 is a schematic diagram of an intermodulation testing device in accordance with an exemplary **embodiment** of the present disclosure; [Page 5, line 10.] Figures 2-4 are a functional diagram of a controller for the testing device of Figure 1 in accordance with an exemplary **embodiment** of the present disclosure; [Page 5, line 12.] Figure 5 is a graphical diagram of measured powers of analog channels in accordance with an exemplary **embodiment** of the present disclosure; and [Page 5, line 14.] Figure 6 is a flow diagram for a method of intermodulation susceptibility testing device in accordance with an exemplary **embodiment** of the present disclosure. [Page 5, line 16.] An exemplary **embodiment** measures the susceptibilities of cable television (CATV) digital receivers to IM distortion... [Page 6, line 3.]

Error/Suggested Fix	Citations [Page/Line # in the document]
	A system **embodiment** measures and reports the signal conditions on a CATV network that can cause intermodulation ... [Page 6, line 9.] In an alternate **embodiment**, the method may measure the powers of only those channels for which sums and ... [Page 8, line 22.] The susceptibility result 224 of this exemplary **embodiment** may be valid for devices connected at or near the same location as the ... [Page 9, line 16.]
Avoid using vague and relative terms. Use of vague and relative terms in the specification can potentially render patent invalid and unenforceable under 35 U.S.C. 112.	Unfortunately, the difference in amplitude levels between the **lowest** and **highest** frequencies carried on a cable is typically not a constant value. [Page 2, line 1.] Embodiments may compare the **highest** analog channel amplitude to the **lowest** digital channel amplitude, compensate for the inherent tilt of typical coaxial cables, ... [Page 6, line 7.] Such other measured channels could be the video carriers of the analog TV channels, for example, since they normally have the **highest** power. [Page 7, line 19.] The other channel measurement block 216 may perform only one measurement for each channel, measure all of them periodically, or select a small number with the **highest** power and measure them periodically in order to update the display with current results... [Page 7, line 21.] In a first example, the evaluation block 218 may subtract the digital channel power from the **highest** of the other channels' measured powers. [Page 8, line 7.] A tilt line is a straight line intersecting the measured levels of two of the **highest** channels such that all other channels have less than or equal to the power ... [Page 11, line 1.] The device may be used to evaluate a single digital channel or scan all digital

Error/Suggested Fix	Citations [Page/Line # in the document]
	channels and measure the one with the **greatest** susceptibility to intermodulation distortion, for example. [Page 6, line 14.] The tester module may report which channel is **most** susceptible and the particular susceptibility of only that channel. [Page 9, line 7.] If two or more possible tilt lines are found, as here, the one covering the **widest** frequency span is used. [Page 11, line 4.] From the three possible tilt lines, L2 is selected over L1 and L3 because it has the **widest** frequency span S2. [Page 11, line 5.] Such other devices may be of different types, each having **unique** specifications stored in a device specification database 322, for example. [Page 13, line 9.]
Document text includes contrasting phrases. Contrasting phrases may be used to limit the scope of your claims. Review, to ensure that potential infringers do not try to limit the scope of the patent based on the statements in the specification.	**However**, if the relative power level of the desired digital channel could be increased, ... [Page 1, line 10.] **On the other hand**, the receivers used in consumer-grade equipment are typically not so capable. [Page 1, line 19.] Preferred embodiments measure the signals present on a cable **rather** than those present within a digital receiver. [Page 5, line 22.]
Document text includes potentially limiting language. Make sure that limiting terms are used correctly, to avoid the potential infringer trying to limit the scope of the patent based on the statements in the specification.	The present **invention** relates to cable television (CATV) receivers. [Page 1, line 5.] More particularly, the present **invention** relates to a method and apparatus for measuring the susceptibility to intermodulation distortion of ... [Page 1, line 6.] Intermodulation distortion generally occurs in a digital receiver, such as a cable modem or set-top box, when the total power of **all** signals input to the receiver is too high relative to the power of the ... [Page 1, line 9.] However, if the relative power level of the **desired** digital channel could be increased, the receiver might attenuate **all** incoming signals and substantially stop

Error/Suggested Fix	Citations [Page/Line # in the document]
	the intermodulation distortion from occurring. [Page 1, line 11.] The device may be used to evaluate a single digital channel or scan **all** digital channels and measure the one with the greatest susceptibility to intermodulation distortion, ... [Page 6, line 14.] Another channel measurement block 216 also receives the channel plan 214, and measures the power of **all** or a subset of the channels being transmitted. [Page 7, line 16.] The other channel measurement block 216 may measure **all** the channels, or just those that could substantially contribute to intermodulation distortion. [Page 7, line 17.] The other channel measurement block 216 may perform **only** one measurement for **each** channel, measure **all** of them periodically, or select a small number with the highest power and ... [Page 7, line 21.] The tester module may also scan **all** digital channels and report the susceptibility of **each**. [Page 9, line 6.] A tilt line is a straight line intersecting the measured levels of two of the highest channels such that **all** other channels have less than or equal to the power at that frequency on ... [Page 11, line 1.] It uses the difference between the current tilt and the reference tilt to adjust the measured powers of **all** channels. [Page 11, line 14.] The IM distortion results when the total power received across **all** digital and analog signal frequencies exceeds by a **critical** amount the strength of the ... [Page 12, line 22.] Technicians can use this diagnostic tool to measure a single digital channel and/or scan **all** digital channels, and pursue appropriate corrective action for instances in which susceptibility to ... [Page 13, line 1.] **All** such changes and modifications are intended to be included within the scope of the ... [Page 13, line 17.]

Error/Suggested Fix	Citations [Page/Line # in the document]
	Such adverse signal conditions may include power relative to the **desired** signal at frequencies above and/or below the frequency band containing the **desired** ... [Page 6, line 1.] When intermodulation distortion occurs, the receiver **must** decode errors that are not caused by impairments within the digital channel. [Page 1, line 13.] Existing test instruments **always** measure the bit error rate caused by impairments within a digital channel, but ... [Page 1, line 14.] **Exemplary** embodiments are provided. [Page 2, line 10.] An **Exemplary** method of the present disclosure includes selecting a first digital channel from a plurality ... [Page 2, line 12.] Another **Exemplary** method is provided wherein said receiver comprises a cable television (CATV) receiver... [Page 2, line 18.] Another **Exemplary** method is provided wherein said first digital channel and said at least one other ... [Page 2, line 19.] Yet another **Exemplary** method is provided wherein at least one of said first power measurement or said ... [Page 2, line 20.] Another **Exemplary** method is provided, further comprising determining a level-versus-frequency tilt ... [Page 3, line 1.] Another **Exemplary** method is provided wherein said level-versus-frequency tilt of said composite ... [Page 3, line 2.] Yet another **Exemplary** method is provided, further comprising compensating for a differing signal tilt when performing ... [Page 3, line 4.]

Error/Suggested Fix	Citations [Page/Line # in the document]
	Another **Exemplary** method is provided wherein said at least one other channel in said composite signal ... [Page 3, line 7.] Yet another **Exemplary** method is provided wherein said at least one other channel in said composite signal ... [Page 3, line 8.] Another **Exemplary** method is provided, further comprising computing a relative power ratio between said first ... [Page 3, line 11.] Yet another **Exemplary** method is provided, further comprising using said relative power ratio to predict the ... [Page 3, line 13.] Another **Exemplary** method is provided, further comprising generating a tilt line for a plurality of ... [Page 3, line 16.] Yet another **Exemplary** method is provided, further comprising outputting a susceptibility result for said first digital ... [Page 3, line 18.] An **Exemplary** intermodulation test device is provided for testing susceptibility of a receiver to intermodulation distortion ... [Page 3, line 21.] Another **Exemplary** device is provided, further comprising a display in signal communication with the controller ... [Page 4, line 7.] Yet another **Exemplary** method is provided, the controller comprising a channel selection unit, a channel ... [Page 4, line 9.] Another **Exemplary** device is provided wherein the evaluation unit is further in signal communication with the ... [Page 4, line 15.] Another **Exemplary** device is provided, further comprising a configurable limit unit in signal communication with ... [Page 4, line 16.] Yet another **Exemplary** device is provided, further comprising a device specification database in signal communication with ... [Page 4, line 18.] Another **Exemplary** device is provided, further comprising a tilt calculator in signal communication with the ... [Page 4, line 20.]

Error/Suggested Fix	Citations [Page/Line # in the document]
	The present disclosure will be further understood from the following description of **Exemplary** embodiments, which is to be read in connection with the accompanying drawings. ... [Page 5, line 4.] The present disclosure will be described in greater detail with reference to the accompanying drawings, which represent **Exemplary** embodiments thereof, in which: [Page 5, line 8.] Figure 1 is a schematic diagram of an intermodulation testing device in accordance with an **Exemplary** embodiment of the present disclosure; [Page 5, line 10.] Figures 2-4 are a functional diagram of a controller for the testing device of Figure 1 in accordance with an **Exemplary** embodiment of the present disclosure; [Page 5, line 12.] Figure 5 is a graphical diagram of measured powers of analog channels in accordance with an **Exemplary** embodiment of the present disclosure; and [Page 5, line 14.] Figure 6 is a flow diagram for a method of intermodulation susceptibility testing device in accordance with an **Exemplary** embodiment of the present disclosure. [Page 5, line 16.] An **Exemplary** embodiment measures the susceptibilities of cable television (CATV) digital receivers to IM ... [Page 6, line 3.] **Exemplary** embodiments operate by analyzing signal levels to be input to the receivers, either ... [Page 6, line 4.] The susceptibility result 224 of this **Exemplary** embodiment may be valid for devices connected at or near the same location as ... [Page 9, line 16.] In the **Exemplary** plot 400, tilt lines L1, L2 and L3 are present. [Page 11, line 3.]

Error/Suggested Fix	Citations [Page/Line # in the document]
	A tilt compensator 328 is connected to **each** of the digital channel measurement block 312, the other channel measurement block 316... [Page 10, line 7.] The plot 400 includes measured analog signal powers 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436 and 438, **each** at a different carrier frequency. [Page 10, line 19.] Such other devices may be of different types, **each** having **unique** specifications stored in a device specification database 322, for example. [Page 13, line 9.] **Preferred** embodiments measure the signals present on a cable rather than those present within a ... [Page 5, line 21.] **Preferred** embodiments of the test device 100 of Figure 1 may use a relative power ... [Page 13, line 6.] Embodiments may compare the highest analog channel amplitude to the lowest digital channel amplitude, compensate for the **inherent** tilt of typical coaxial cables, evaluate a user-selected channel, or ... [Page 6, line 7.] In an alternate embodiment, the method may measure the powers of **only** those channels for which sums and differences of harmonic frequencies of two or three ... [Page 8, line 22.] The tester module may report which channel is most susceptible and the particular susceptibility of **only** that channel. [Page 9, line 7.] The method 300 is similar to the system 200; so duplicate description **shall** be omitted. [Page 9, line 21.] If two or more possible tilt lines are found, as here, the one covering the **widest** frequency span is used. [Page 11, line 4.] From the three possible tilt lines, L2 is selected over L1 and L3 because it has the **widest** frequency span S2. [Page 11, line 5.]

Error/Suggested Fix	Citations [Page/Line # in the document]
	The tilt calculator 326 outputs the slope of the tilt line, but **need** not calculate nor output the y-intercept. [Page 11, line 7.] If known, the reference tilt value may also be entered into the device **without** performing a tilt measurement. [Page 11, line 12.] Although illustrative embodiments have been described herein with reference to the accompanying drawings, it is to be understood that the present disclosure is not limited to those precise embodiments, and that various other changes and modifications may be effected therein by those of ordinary skill in the pertinent art **without** departing from the scope or spirit of the present disclosure. [Page 13, line 16.]

IX. Document DOCX Conversion Errors/Warnings

DOCX Error/Warning	Suggested Fix
Word count in abstract section is over 150 words (USPTO Error Code 3008).	Reduce Abstract length to 150 words or less.
Document contains bookmarks (USPTO Error Code 2022).	Remove bookmarks or they will be removed during submission.
No page numbers were detected (USPTO Error Code 3027).	Add page numbers or they will be added during submission.
Document uses a non-white background color (USPTO Error Code 3030).	Use white background color for your document.