

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM407531

| | |
|------------------------------|--------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | NUNC PRO TUNC ASSIGNMENT |
| EFFECTIVE DATE: | 02/01/2016 |

CONVEYING PARTY DATA

| Name | Formerly | Execution Date | Entity Type |
|----------------------|----------|----------------|-------------------------|
| Broadcom Corporation | | 11/17/2016 | Corporation: CALIFORNIA |

RECEIVING PARTY DATA

| | |
|------------------------|---|
| Name: | Avago Technologies General IP (Singapore) Pte. Ltd. |
| Street Address: | 1 Yishun Avenue 7 |
| City: | Singapore |
| State/Country: | SINGAPORE |
| Postal Code: | 768923 |
| Entity Type: | Corporation: SINGAPORE |

PROPERTY NUMBERS Total: 73

| Property Type | Number | Word Mark |
|----------------------|---------|------------------------|
| Registration Number: | 3790530 | BROADR-REACH |
| Registration Number: | 3685319 | BROADSAFE |
| Registration Number: | 4070882 | BROADSCALE |
| Registration Number: | 3914649 | BROADSYNC |
| Registration Number: | 2913502 | BROADVOICE |
| Registration Number: | 3685261 | CABLEXCHANGE |
| Registration Number: | 2618649 | CABLEXCHANGE |
| Registration Number: | 4191483 | CONNECT |
| Registration Number: | 2601945 | CONNECTING EVERYTHING |
| Registration Number: | 3787269 | CONNECTING EVERYTHING |
| Registration Number: | 4243609 | ENABLED BY BROADCOM |
| Registration Number: | 4218197 | ENABLED BY BROADCOM |
| Registration Number: | 4042824 | ENABLED BY BROADCOM |
| Registration Number: | 2709924 | EYEOPENER |
| Registration Number: | 3747907 | FAST MESSAGING NETWORK |
| Registration Number: | 2723295 | FASTPATH |
| Registration Number: | 4006778 | FASTRTV |
| Registration Number: | 3483239 | FIREPATH |

OP \$1840.00 3790530

| Property Type | Number | Word Mark |
|----------------------|---------|----------------------|
| Registration Number: | 3288587 | INCONCERT |
| Registration Number: | 3413158 | INTENSI-FI |
| Registration Number: | 3796022 | LINKEYE |
| Registration Number: | 4195415 | MERLYN |
| Registration Number: | 2803657 | MEDIADSP |
| Registration Number: | 3691310 | MEDIAXTREAM |
| Registration Number: | 3948100 | MEDUSA |
| Registration Number: | 2686996 | MIB AUTOCAST |
| Registration Number: | 3163468 | NETLINK |
| Registration Number: | 3409519 | NETX |
| Registration Number: | 2896055 | NETXTREME |
| Registration Number: | 3373849 | NETXTREME II |
| Registration Number: | 2643934 | PACKETSYNC |
| Registration Number: | 3797182 | PERSONA |
| Registration Number: | 3822290 | PHYR |
| Registration Number: | 2659889 | PROPANE |
| Registration Number: | 2226386 | QAMLINK |
| Registration Number: | 2800894 | QUADSQUAD |
| Registration Number: | 3509911 | RAIDCORE |
| Registration Number: | 4222847 | RECON |
| Registration Number: | 2356321 | RESIDENTIAL ETHERNET |
| Registration Number: | 3601454 | RMI |
| Registration Number: | 3743684 | RMI ALCHEMY |
| Registration Number: | 3204695 | SECUREEASYSETUP |
| Registration Number: | 2900068 | SERVERWORKS |
| Registration Number: | 3415092 | SES |
| Registration Number: | 2702789 | SIBYTE |
| Registration Number: | 2933452 | SIGNI-PHY |
| Registration Number: | 3540849 | SMARTAUDIO |
| Registration Number: | 3395650 | SMARTRADIO |
| Registration Number: | 3134027 | STINGRAY |
| Registration Number: | 4523064 | STRATACONNECT |
| Registration Number: | 4469656 | STRATAGX |
| Registration Number: | 2613167 | STRATASWITCH |
| Registration Number: | 2803292 | STRATAXGS |
| Registration Number: | 3191573 | TEKNOVUS |
| Registration Number: | 3962208 | TEKNOVUS |
| Registration Number: | 3521161 | TERAPIX |

| Property Type | Number | Word Mark |
|----------------------|----------|---------------|
| Registration Number: | 3926159 | TERAQAM |
| Serial Number: | 86609748 | TOMAHAWK |
| Registration Number: | 3534897 | TURBO-EPON |
| Registration Number: | 2800802 | TURBOGIG |
| Registration Number: | 3174711 | TURBOQAM |
| Registration Number: | 3134740 | VIDEOCORE |
| Registration Number: | 4533914 | WARPCORE |
| Registration Number: | 3584660 | XELCORE |
| Registration Number: | 4422147 | XGS |
| Registration Number: | 3905045 | XGS CORE |
| Registration Number: | 3931520 | XLP |
| Registration Number: | 3419892 | XLR |
| Registration Number: | 3476571 | XLR PROCESSOR |
| Registration Number: | 3485424 | XLS |
| Registration Number: | 3594302 | XLS-BASED |
| Registration Number: | 3554529 | XLS PROCESSOR |
| Registration Number: | 4107185 | XTENDNET |

CORRESPONDENCE DATA

Fax Number: 9497609502

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (949) 760-0404

Email: efiling@knobbe.com

Correspondent Name: Susan M. Natland

Address Line 1: 2040 Main Street, 14th Floor

Address Line 4: Irvine, CALIFORNIA 92614

DOMESTIC REPRESENTATIVE

Name: Knobbe, Martens, Olson & Bear, LLP

Address Line 1: 2040 Main Street, 14th Floor

Address Line 4: Irvine, CALIFORNIA 92614

NAME OF SUBMITTER: Susan M. Natland

SIGNATURE: /susan m. natland/

DATE SIGNED: 12/02/2016

Total Attachments: 10

source=Assignment - Brodcom to Avago 2#page1.tif

source=Assignment - Brodcom to Avago 2#page2.tif

source=Assignment - Brodcom to Avago 2#page3.tif

source=Assignment - Brodcom to Avago 2#page4.tif

source=Assignment - Brodcom to Avago 2#page5.tif

source=Assignment - Brodcom to Avago 2#page6.tif
source=Assignment - Brodcom to Avago 2#page7.tif
source=Assignment - Brodcom to Avago 2#page8.tif
source=Assignment - Brodcom to Avago 2#page9.tif
source=Assignment - Brodcom to Avago 2#page10.tif

BROCA.002GEN

CONFIRMATORY TRADEMARK ASSIGNMENT

This Confirmatory Trademark Assignment (hereinafter referred to as "Assignment") is effective as of February 1, 2016 ("Effective Date") by and between Broadcom Corporation, a California corporation, with a place of business at 5300 California Avenue, Irvine, California 92617, USA (hereinafter referred to as "ASSIGNOR"), and Avago Technologies General IP (Singapore) Pte. Ltd., a Singapore corporation with a place of business at No. 1 Yishun Avenue 7 Singapore, Singapore 768923 (hereinafter referred to as "ASSIGNEE").

WHEREAS, ASSIGNOR represents and confirms that prior to the Effective Date of this Assignment, ASSIGNOR was the owner of the trademark applications and registrations shown in Exhibit 1, and all other rights appurtenant thereto, including, but not limited to, all common law rights, trade name rights, causes of action, and the right to recover for past infringement worldwide (hereinafter collectively referred to as "the Trademarks");


WHEREAS, ASSIGNEE desired to acquire all rights, title, and interest in and to the Trademarks worldwide;

WHEREAS, ASSIGNOR was willing to assign to ASSIGNEE all rights, title, and interest in and to the Trademarks worldwide; and

WHEREAS, ASSIGNOR did assign, convey, transfer, set over and grant, and wishes to confirm its assignment, conveyance, transfer, set over and grant to ASSIGNEE, as of the Effective Date of this Assignment, all rights, title, and interest as ASSIGNOR did possess in and to the Trademarks worldwide.

NOW, THEREFORE, for good and adequate consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby acknowledges and confirms the assignment to ASSIGNEE of all rights, title, and interest as ASSIGNOR may possess in and to the Trademarks.

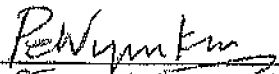
BROADCOM CORPORATION

By: 
Name: Bradley Blanche
Title: Assistant General Counsel

Date: 17 Nov 2016

(SIGN IN PRESENCE OF NOTARY)

AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD.

By: 
Name: PE WYNN K. TAN
Title: COMPANY SECRETARY

Date: 8 NOV 2016


(SIGN IN PRESENCE OF NOTARY)

NOTARIAL CERTIFICATE

TO ALL TO WHOM THESE PRESENTS shall come, I, Chen Wen Woan Angela, Notary Public, duly authorised, appointed and practising at Singapore, in the Republic of Singapore, do hereby certify and attest that I was present on the 8th day of November 2016 at Singapore and Pe Wynn Kin (holder of Republic of Singapore Identity Card No S2188314Z), the person named and representing himself as the Company Secretary of AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE. LTD. in the annexed "CONFIRMATORY TRADEMARK ASSIGNMENT", appeared before me and duly signed the said annexed CONFIRMATORY TRADEMARK ASSIGNMENT in my presence, and that the signature of the said Pe Wynn Kin thereto subscribed is of his own, true and proper handwriting.

IN FAITH AND TESTIMONY WHEREOF

I have hereunto subscribed my name and affixed my Seal of Office at Singapore this 8th day of November 2016.


NOTARY PUBLIC
Singapore



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

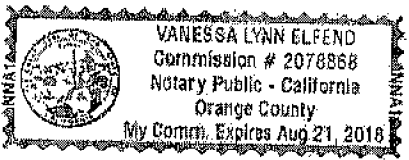
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Orange)
On November 17, 2010 before me, Vanessa Lynn Elfend, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Bradley D. Blanche
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document












Title or Type of Document: _____ Document Date: _____
Number of Pages: _____ Signer(s) Other Than Named Above: _____



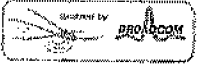
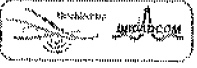


Capacity(ies) Claimed by Signer(s)


Signer's Name: _____ Signer's Name: _____
[Corporate Officer - Title(s): _____] [Corporate Officer - Title(s): _____]
[Partner - [Limited] [General]] [Partner - [Limited] [General]]
[Individual [Attorney In Fact]] [Individual [Attorney In Fact]]
[Trustee [Guardian or Conservator]] [Trustee [Guardian or Conservator]]
[Other: _____] [Other: _____]
Signer Is Representing: _____ Signer Is Representing: _____

EXHIBIT 1
TRADEMARK SUMMARY CHART
BROADCOM CORPORATION to AVAGO TECHNOLOGIES GENERAL IP (SINGAPORE) PTE.
LTD.
BROCA.002GEN

U.S. MARKS:


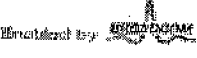
| MARK | KIMB REF. No. (BROCA) | APP. NO. FILING DATE | REG. NO. REG. DATE | CLASS(ES) |
|---|--------------------------|-------------------------|-----------------------|---|
|  | 090TD1 | 78/977,844 03/01/05 | 3,207,002 02/06/07 | 9 |
|  | 051T | 75/666,751 03/23/99 | 2,392,926 10/10/00 | 9 |
|  | 141T | 75/909,167 02/04/00 | 2,595,173 07/16/02 | 42 |
|  | 918T | 85/594,106 04/10/12 | 4,260,722 12/18/12 | 9 |
|  | 1008T | 85/708,367 08/20/12 | | 9, 14, 16, 18, 20, 21, 22, 24, 25 and 28 |
|  | 1008TD1 | 85/983714 08/20/12 | 4,609,072 09/08/15 | 42 |
|  | 1026T | 77/046157 11/16/06 | 3521204 10/21/08 | 9 |
|  | 175T | 76/230,502 03/23/01 | 3,154,434 10/10/06 | 9 |
| Demoting everything | 180T | 76/300,157 08/14/01 | 2,984,436 06/16/05 | 9 and 42 |
|  | 026T | 75/667,440 03/23/99 | 2,326,387 03/07/00 | 9 |
|  | 101T | 75/909,166 02/04/00 | 2,625,799 09/24/02 | 42 |
|  | PB - 823T | 85/084897 07/14/10 | 4,057,205 11/15/11 | 35, 36 and 41 |

| MARK | KMOB REF NO: (BROC) | APP NO FILING DATE | REG NO REG DATE | CLASSIES |
|---|------------------------|------------------------|-----------------------|----------|
|  | 770T | 77/836536 9/28/09 | 3,789,931 05/18/10 | 9 |
|  | 771T | 77/836567 09/28/09 | 3,787,268 05/11/10 | 9 |
|  (ENABLED BY BROADCOM with Pulse Design and Waves) | 790T | 77/897357 12/18/09 | 4,218,196 10/02/12 | 9 |
|  (ENABLED BY BROADCOM with Pulse Design and Waves) | 790TD1 | 77/982,559 12/18/09 | 4,057,055 11/15/11 | 9 |
|  | 910T | 85/508,946 01/04/12 | 4,310,231 03/26/13 | 9 |
|  | 040T | 78/721,870 09/27/05 | 3808572 06/22/10 | 9 and 42 |
| ACCELERANGE | 736T | 77/580,333 09/26/08 | 3,857,448 10/05/10 | 9 |
| AIRFORCE | 071T | 78/145,435 07/18/02 | 3,184,319 12/12/06 | 9 |
| AIRFORCE ONE | 076T | 78/335,659 12/03/03 | 3,303,382 10/02/07 | 9 |
| ALCHEMY | 932T | 77/449006 04/15/08 | 3,575,260 02/17/09 | 9 |
| ALTIMA | 058T | 76/102,159 08/02/00 | 3,165,522 10/31/06 | 9 |
| AU | 939T | 77/391110 | 3593947 | 9 |

| MARK | KMOB REF NO (BROC) | APP NO FILING DATE | REG NO REG DATE | CLASS(ES) |
|--|-----------------------|--------------------------|------------------------|---------------|
| | | 02/07/08 | 03/24/09 | |
| AU1210 | 943T | 77/4077010 02/27/08 | 3498994 09/09/08 | 9 |
| AU1250 | 944T | 77/407678 02/27/08 | 3498993 09/09/08 | 9 |
| AU1300 | 945T | 77/401501 02/20/08 | 3613512 04/28/09 | 9 |
| AUTOGREEN | 759T | 77/732093 05/07/09 | 3,880,805 11/23/10 | 9 |
| AUTONOMOUS ACCELERATION ENGINE | 952T | 76/657097 03/22/06 | 3390329 02/26/08 | 9 |
| BLUTONIUM | 094T | 76/183,603 12/19/00 | 2,762,297 09/09/03 | 9 |
| BROADCOM | 092T | 74/513,786 04/18/94 | 2,132,930 01/27/98 | 9 |
| BROADCOM | 093T | 75/666,750 03/23/99 | 2,392,925 10/10/00 | 9 |
| BROADCOM | 100T | 75/909,168 02/04/00 | 2,595,174 07/16/02 | 42 |
| BROADCOM | 551T | 77/836513 9/28/09 | 3,767,260 05/11/10 | 9 |
| BROADCOM | PB- 824T | 85/084890 07/14/10 | 4,053,794 11/08/11 | 35, 36 and 41 |
| BROADCOM | 850T | 85/246,099 02/18/11 | 4,037,851 10/118/11 | 16, 18 and 25 |
| BROADCOM CHIPS | 1178T | 86/675664 26-Jun-2015 | | 9 and 42 |
| BROADCOM FOUNDATION  | PB - 825T | 85/084,876 07/14/10 | 4,053,793 11/08/11 | 35, 36 and 41 |
| BROADCOM MASTERS | PB - 828T | 85/106,532 08/12/10 | 4071488 12/13/11 | 41 |
| BROADLIGHT | 1007T | 76/163,572 11/13/00 | 2,913,459 12/21/04 | 9 |
| BROADLOGIC | 1027T | 77/046067 11/16/06 | 3521202 10/21/08 | 9 |
| BROADRANGE | 370T | 78/948,853 08/09/08 | 3490624 08/19/08 | 9 |

*

*

| MARK | KMOB REF NO (BRO) | APP NO FILING DATE | REG NO REG DATE | CLASS(ES) |
|---|----------------------|------------------------|-----------------------|-----------|
| BROADR-REACH | 324T | 77/065,765 12/15/06 | 3,790,530 05/18/10 | 9 |
| BROADSAFE | 733T | 77/604543 10/30/08 | 3,685,319 09/22/09 | 9 |
| BROADSCALE | 730T | 77/439518 4/03/08 | 4070882 12/13/11 | 9 |
| BROADSYNC | 546T | 77/255,215 08/14/04 | 3914649 02/01/11 | 9 |
| BROADVOICE | 069T | 76/300,156 08/14/01 | 2,913,502 12/21/04 | 9 |
| CABLEXCHANGE | 788T | 77/580,344 09/26/08 | 3,685,261 09/22/09 | 9 |
| CABLEXCHANGE | 136T | 75/909,690 02/04/00 | 2,618,649 09/10/02 | 9 and 42 |
| CONNECT | 854T | 85/249,563 02/23/11 | 4191483 08/14/12 | 9 |
| CONNECTING EVERYTHING | 138T | 75/909,155 02/04/00 | 2,601,945 07/30/02 | 9 and 42 |
| CONNECTING EVERYTHING | 774T | 77/836583 9/28/09 | 3,787,269 05/11/10 | 9 |
| ENABLED BY BROADCOM | 916T | 85/537475 02/08/12 | 4243609 11/13/12 | 9 |
|  | 789T | 77/897395 12/18/09 | 4218197 10/02/12 | 9 |
|  | 789TD1 | 77/982,447 12/18/09 | 4,042,824 10/18/11 | 9 |
| EYEOPENER | 173T | 76/227,757 03/21/01 | 2,709,924 04/22/03 | 9 |
| FAST MESSAGING NETWORK | 956T | 77/531948 03/22/06 | 3747907 02/09/10 | 9 |
| FASTPATH | 660T | 76/288,409 07/20/01 | 2,723,295 06/10/03 | 9 |
| FASTRTV | 772T | 77/855488 10/22/09 | 4006778 08/02/11 | 9 |

| MARK | KMOB REF NO (BROG) | APP NO FILING DATE | REG NO REG DATE | CLASS(ES) |
|--------------|-----------------------|------------------------|-----------------------|-----------|
| FIREPATH | 360T | 77/200,896 06/07/07 | 3483239 08/12/08 | 9 |
| INCONCERT | 037T | 78/335,352 12/02/03 | 3,288,587 9/04/07 | 9 |
| INTENSI-FI | 013T | 78/833,937 03/09/06 | 3,413,158 4/15/08 | 9 |
| LINKEYE | 557T | 77/194,613 05/31/07 | 3,796,022 06/01/10 | 9 |
| MERLYN | 849T | 85/237,360 02/08/11 | 4195415 08/21/12 | 9 |
| MEDIADSP | 755T | 78/135244 06/12/02 | 2803657 01/06/04 | 9 |
| MEDIAXTREAM | 843T | 77/552479 08/21/08 | 3691310 10/06/09 | 9 and 42 |
| MEDUSA | 677T | 77/273,679 9/06/07 | 3,948,100 04/19/11 | 9 |
| MIB AUTOCAST | 132T | 75/909,151 02/04/00 | 2,686,996 02/11/03 | 9 |
| NETLINK | 084T | 78/379,299 03/05/04 | 3,163,468 10/24/06 | 9 |
| NETX | 068T | 76/283,852 07/12/01 | 3,409,519 4/08/08 | 9 |
| NETXTREME | 174T | 78/230,505 03/23/01 | 2,896,055 10/19/04 | 9 |
| NETXTREME II | 039T | 78/589,619 09/14/05 | 3,373,849 01/22/08 | 9 |
| PACKETSYNC | 171T | 78/118,314 08/29/00 | 2,643,934 10/29/02 | 9 |
| PERSONA | 746T | 77/702628 03/30/09 | 3,797,182 06/01/10 | 9 |
| PHYR | 670T | 77/225,286 07/09/07 | 3822290 07/20/10 | 9 |
| PROPANE / | 126T | 75/689,303 04/23/99 | 2,659,889 12/10/02 | 9 |
| QAMLINK | 046T | 74/513,787 04/18/94 | 2,226,386 02/23/99 | 9 |
| QUADSQUAD | 070T | 78/305,478 08/27/01 | 2,800,894 12/30/03 | 9 |

| MARK | KMOB REF. NO. (BROC) | APP. NO. FILING DATE | REG. NO. REG. DATE | CLASSES |
|----------------------|-------------------------|--------------------------|------------------------|----------|
| RAIDCORE | 085T | 78/556,766 01/31/05 | 3,509,911 09/30/08 | 9 |
| RECON | 865T | 85/366,053 06/24/11 | 4,222,847 10/09/12 | 9 |
| RESIDENTIAL EHTERNET | 047T | 75/358,756 09/17/97 | 2,356,321 06/06/00 | 9 |
| RMI | 969T | 77/477137 16-May-2008 | 3601454 07-Apr-2009 | 42 |
| RMI ALCHEMY | 972T | 77/535251 30-Jul-2008 | 3743684 02-Feb-2010 | 42 |
| SECURE EASY SETUP | 083TD1 | 78/977,666 12/17/04 | 3,204,696 01/30/07 | 9 |
| SERVERWORKS | 052T | 75/841,146 11/04/99 | 2,900,068 11/02/04 | 9 |
| SES | 508T | 77/034,700 11/01/06 | 3,415,092 4/22/08 | 9 |
| SIBYTE | 124T | 75/542,977 08/26/98 | 2,702,789 04/01/03 | 9 |
| SIGNI-PHY | 145T | 76/002,117 03/13/00 | 2,933,452 03/15/05 | 9 |
| SMARTAUDIO | 542T | 77/087,202 01/19/07 | 3540849 12/02/08 | 9 |
| SMARTRADIO | 183T | 78/145,441 07/18/02 | 3,395,650 03/11/08 | 9 |
| STINGRAY | 688T | 78/473,188 08/25/04 | 3,134,027 08/22/06 | 9 |
| STRATACONNECT | 1052T | 85/841001 02/05/13 | 4523064 04/29/14 | 9 |
| STRATAGX | 998T | 85935946 05/17/13 | 4469656 01/21/14 | 9 |
| STRATASWITCH | 140T | 75/909,154 02/04/00 | 2,613,167 08/27/02 | 9 |
| STRATAXGS | 178T | 76/410,502 05/21/02 | 2,803,292 01/06/04 | 9 |
| TEKNOVUS | 816T | 78/659,194 06/27/05 | 3,191,573 01/02/07 | 9 |
| TEKNOVUS | 812T | 77/565,704 09/09/08 | 3,962,208 05/17/11 | 9 and 42 |
| TERAPIX | 1025T | 77/035337 | 3521161 | 9 |

| MARK | KMOB REF. NO. (BROCC) | APP. NO. FILING DATE | REG. NO. REG. DATE | CLASS(ES) |
|---------------|--------------------------|-------------------------|-----------------------|-----------|
| | | 11/02/06 | 10/21/18 | |
| TERAQAM | 1028T | 77/632518 12/12/08 | 3928159 03/01/11 | 9 |
| TOMAHAWK | 1133T | 88/609748 04/24/15 | | 9 |
| TURBO-EPON | 814T | 77/228,556 07/12/07 | 3,534,897 11/18/08 | 9 |
| TURBOGIG | 177T | 76/228,614 03/22/01 | 2,800,802 12/30/03 | 9 |
| TURBOQAM | 072T | 78/206,985 01/24/03 | 3,174,711 11/21/06 | 9 |
| VIDEOCORE | 335T | 76/630,537 02/04/05 | 3,134,740 08/29/06 | 9 and 42 |
| WARPCORE | 877T | 85/348,581 06/16/11 | 4533914 05/20/14 | 9 |
| XELCORE | 091T | 78/657,364 06/23/05 | 3584660 03/03/09 | 9 |
| XGS | 763T | 77/756860 6/10/09 | 4422147 10/22/13 | 9 |
| XGS CORE | 764T | 77/733121 05/08/09 | 3905045 01/11/11 | 9 |
| XLP | 980T | 77/592462 10/14/08 | 3931520 03/15/11 | 9 |
| XLR | 931T | 78/561058 02/04/05 | 3419892 04/29/08 | 9 |
| XLR PROCESSOR | 984T | 77/411902 03/03/08 | 3476571 07/29/08 | 9 |
| XLS | 930T | 76/657095 03/22/06 | 3485424 08/12/08 | 9 |
| XLS-BASED | 1000T | 77/518388 07/09/08 | 3594302 03/24/09 | 9 |
| XLS PROCESSOR | 987T | 76/657094 03/22/06 | 3554529 12/30/08 | 9 |
| XTENDNET | 844T | 77/55125 06/09/09 | 4,107,185 03/06/12 | 9 |