

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM518308

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Security Agreement

## CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
CommScope Technologies LLC		04/04/2019	Limited Liability Company: DELAWARE
Commscope, Inc. of North Carolina		04/04/2019	Corporation: NORTH CAROLINA
Ruckus Wireless, Inc.		04/04/2019	Corporation: DELAWARE
ARRIS Enterprises LLC		04/04/2019	Limited Liability Company: DELAWARE
ARRIS Technology, Inc.		04/04/2019	Corporation: DELAWARE
Commscope, Inc.		04/04/2019	Corporation: DELAWARE

## RECEIVING PARTY DATA

<b>Name:</b>	JPMorgan Chase Bank, N.A., as Collateral Agent
<b>Street Address:</b>	4 Chase Metrotech Center
<b>Internal Address:</b>	MC: NY1-C413
<b>City:</b>	Brooklyn
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	11245-0001
<b>Entity Type:</b>	Bank: UNITED STATES

## PROPERTY NUMBERS Total: 267

Property Type	Number	Word Mark
Registration Number:	4506402	ACCURET
Registration Number:	5161230	ACT
Registration Number:	1021919	ADC
Registration Number:	2572495	ADC
Registration Number:	2608396	ADC
Registration Number:	1941052	AIR FOSC
Registration Number:	2791398	AIRES
Registration Number:	2598859	AIRVANA
Registration Number:	2675597	AIRVISTA
Registration Number:	4177785	AMC
Registration Number:	4911879	AMP NETCONNECT

OP \$6690.00 4506402

<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>
<b>Registration Number:</b>	3060798	AMP NETCONNECT
<b>Registration Number:</b>	3096306	AMP NETCONNECT HOME NET-WORKS
<b>Registration Number:</b>	2197854	AMPINNERGY
<b>Registration Number:</b>	3894233	ANDREW
<b>Registration Number:</b>	959263	ANDREW
<b>Registration Number:</b>	403521	ANDREW
<b>Registration Number:</b>	4854347	ANDREW
<b>Registration Number:</b>	959262	ANDREW
<b>Registration Number:</b>	4272486	ANDREW SOLUTIONS
<b>Registration Number:</b>	4270192	ARGUS
<b>Registration Number:</b>	2674928	BAY TRACER
<b>Registration Number:</b>	4435226	BOS
<b>Registration Number:</b>	2472151	BRIGHTWIRE
<b>Registration Number:</b>	3969647	BRIGHTWIRE XP
<b>Registration Number:</b>	4386723	C5C
<b>Registration Number:</b>	5507068	CABLE EXCHANGE
<b>Registration Number:</b>	1530622	CABLE GUARD
<b>Registration Number:</b>	2099055	CABLEPAK
<b>Registration Number:</b>	4520878	CCATALOG
<b>Registration Number:</b>	0761882	CERTI-SEAL
<b>Registration Number:</b>	2633035	CLEARGAIN
<b>Registration Number:</b>	3924994	CNT
<b>Registration Number:</b>	0898651	COMM/SCOPE
<b>Registration Number:</b>	2849601	COMMALERT
<b>Registration Number:</b>	2905380	COMMPAK
<b>Registration Number:</b>	1865198	COMMSCOPE
<b>Registration Number:</b>	4194933	COMMSCOPE
<b>Registration Number:</b>	5444784	COMMSCOPE
<b>Registration Number:</b>	3008397	COMMSCOPE ADVANTAGE INVENTORY MANAGEMENT
<b>Registration Number:</b>	4463018	COMMSCOPE
<b>Registration Number:</b>	5523282	COMMSCOPE
<b>Registration Number:</b>	5717236	COMMSCOPE ERA
<b>Registration Number:</b>	1640275	COMPROTECT
<b>Registration Number:</b>	2223132	CONQUEST
<b>Registration Number:</b>	1875109	CORELINK
<b>Registration Number:</b>	4520879	CSOLUTIONS
<b>Registration Number:</b>	3292104	CST
<b>Registration Number:</b>	4373306	CTRAK

Property Type	Number	Word Mark
Registration Number:	3333965	DATAPIPE
Registration Number:	2263526	
Registration Number:	3510148	
Registration Number:	3901009	DLX
Registration Number:	1676346	DRYLINE
Registration Number:	1619537	DTERMINATOR
Registration Number:	1793196	DTERMINATOR 2
Registration Number:	2252089	DUALPOL
Registration Number:	4419646	E20
Registration Number:	1597208	EASIAX
Registration Number:	2442988	EASIAX PLUS
Registration Number:	2950291	ETHERSEAL
Registration Number:	4298759	EXPRESS EXIT
Registration Number:	4246830	EXTREMELINE
Registration Number:	2522409	EZ-CLIP
Registration Number:	3502353	EZFIT
Registration Number:	4397966	FIBERFEED
Registration Number:	1612750	FIBERGUIDE
Registration Number:	2349926	FIBRBOSS
Registration Number:	2854242	FLEXDSX
Registration Number:	1104227	FLEXI-BLOCK
Registration Number:	3616852	FLEXWAVE
Registration Number:	5304491	FOSC
Registration Number:	1488255	FOSC 100
Registration Number:	2103090	FOSC 400
Registration Number:	5279463	FOSC 450
Registration Number:	2885945	FXL
Registration Number:	4999807	G2
Registration Number:	1866253	GELGUARD
Registration Number:	2525022	GHFC
Registration Number:	2185062	GIGASPEED
Registration Number:	3372123	GIGASPEED X10D
Registration Number:	3372121	GIGASPEED XL
Registration Number:	3534816	GIGASPEED XPRESS
Registration Number:	5523284	
Registration Number:	4463016	
Registration Number:	2774200	
Registration Number:	2624480	GS3

Property Type	Number	Word Mark
Registration Number:	2329066	GSSP
Registration Number:	0827502	HELIAX
Registration Number:	2137593	HIGHBAND
Registration Number:	4295523	HOMECONNECT
Registration Number:	2226785	HOW INTELLIGENCE TRAVELS
Registration Number:	5138280	IMPOWER
Registration Number:	4219218	IMVISION
Registration Number:	3056241	INSTAPATCH
Registration Number:	2934663	INTERREACH
Registration Number:	3074737	INTERREACH FUSION
Registration Number:	3112097	INTERREACH UNISON
Registration Number:	4286452	ION
Registration Number:	4882164	ION
Registration Number:	4605617	ION-B
Registration Number:	4701347	ION-E
Registration Number:	4605618	ION-M
Registration Number:	4605619	ION-U
Registration Number:	2586648	IPATCH
Registration Number:	4350738	I-POI
Registration Number:	3433079	IQ.CLEAR XG
Registration Number:	2651706	JACKMOON
Registration Number:	2014813	KRONE
Registration Number:	2377944	LAZRSPEED
Registration Number:	1879609	LIGHTCRIMP
Registration Number:	0403520	
Registration Number:	4849761	
Registration Number:	2897705	LIGHTSCOPE
Registration Number:	4304732	LIGHTSCOPE ZWP
Registration Number:	1450498	LSA-PLUS
Registration Number:	2358130	LX.5
Registration Number:	2692643	MEDIA 6
Registration Number:	2579587	METROREACH
Registration Number:	2851254	MT-RJ SECURE
Registration Number:	2177943	MULTIREACH
Registration Number:	1615223	NETCONNECT
Registration Number:	1893971	NETCONNECT
Registration Number:	1894333	NETCONNECT
Registration Number:	2993103	NG3

Property Type	Number	Word Mark
Registration Number:	4610287	NG4ACCESS
Registration Number:	2271862	NORTHERN LIGHTS CABLE, INC.
Registration Number:	1606215	OCTAPAK
Registration Number:	3787825	OMX
Registration Number:	2821428	OMX600
Registration Number:	4796318	ONECELL
Registration Number:	2663495	OPTISPEED
Registration Number:	2270709	P3
Registration Number:	4522646	PARTNERPRO
Registration Number:	2051177	PATCHMAX
Registration Number:	1469785	PEDCAP
Registration Number:	0832129	PICABOND
Registration Number:	2217964	POWER FEEDER
Registration Number:	5046485	POWERSHIFT
Registration Number:	4369315	P-POI
Registration Number:	2869874	PRO PATCH
Registration Number:	2938665	PULLMASTER
Registration Number:	1442791	QR
Registration Number:	4139752	QUAREO
Registration Number:	4139774	Q
Registration Number:	4781516	QWIK II
Registration Number:	2296455	RADIATOR
Registration Number:	1080222	RADIAX
Registration Number:	5018162	RAPID FIBER
Registration Number:	4813063	RAPID REEL
Registration Number:	3790697	READYPATCH
Registration Number:	3894279	REALFLEX
Registration Number:	4581718	REDWOOD
Registration Number:	2347613	REELSMART
Registration Number:	4946795	RET MASTER
Registration Number:	3803597	RISERGUIDE
Registration Number:	4316928	SENTINEL
Registration Number:	2379921	SINGLE SHOT
Registration Number:	3701189	SNAPSTAK
Registration Number:	1703013	SPANMASTER
Registration Number:	3934509	
Registration Number:	4505497	SUREFLEX
Registration Number:	3691912	SUREGROUND

Property Type	Number	Word Mark
Registration Number:	4716499	SUREGUARD
Registration Number:	1605354	SYSTIMAX
Registration Number:	1644744	SYSTIMAX
Registration Number:	4082391	SYSTIMAX
Registration Number:	2360043	TCS2
Registration Number:	1301390	TEGLAR
Registration Number:	2336952	TELETILT
Registration Number:	2945805	TERASPEED
Registration Number:	1359209	TERMSEAL
Registration Number:	2435047	THE C IN HFC
Registration Number:	1437317	TRAC
Registration Number:	2348496	TRACE
Registration Number:	2628761	TRACERLIGHT
Registration Number:	2546021	TRUENET
Registration Number:	1599432	UHP
Registration Number:	1027817	UHX
Registration Number:	3740787	ULTRA 10
Registration Number:	2353678	ULTRA II
Registration Number:	2188872	ULTRAHOME
Registration Number:	3323526	ULTRAMEDIA
Registration Number:	2552137	ULTRAPIPE
Registration Number:	1833148	UNIPATCH
Registration Number:	3024567	UNIPRISE
Registration Number:	3163109	UNIPRISE SOLUTIONS
Registration Number:	4415533	VALUDAS
Registration Number:	3860385	VALULINE
Registration Number:	1858127	VALULINE
Registration Number:	2634837	VEXTRA
Registration Number:	2507683	VISIPATCH
Registration Number:	3366457	VISIPATCH 360
Registration Number:	4505043	V-STABILIZER
Registration Number:	1418255	WE TOTE
Registration Number:	2841158	WEBTRAK
Registration Number:	1659753	WRSS
Registration Number:	1173989	XAGA
Registration Number:	1878534	XAGA FOSC
Registration Number:	3541568	XPRESSPREP
Registration Number:	4422692	

Property Type	Number	Word Mark
Registration Number:	3262223	BEAMFLEX
Registration Number:	4863441	CHANNELFLY
Registration Number:	4045900	CLOUDPATH
Registration Number:	2268037	FASTIRON
Registration Number:	4433108	HYPEREDGE
Registration Number:	4146675	ICX
Registration Number:	4408483	RUCKUS
Registration Number:	4408484	RUCKUS
Registration Number:	4408482	RUCKUS
Registration Number:	5270518	RUCKUS
Registration Number:	5444434	RUCKUS
Registration Number:	5300321	
Registration Number:	3280730	RUCKUS WIRELESS
Registration Number:	4343496	SMARTCELL
Registration Number:	2212298	TURBOIRON
Registration Number:	4868033	XCLAIM
Registration Number:	4868032	XCLAIM
Registration Number:	4868035	XCLAIM
Registration Number:	4868034	XCLAIM
Registration Number:	5061882	XPRESSCONNECT
Registration Number:	4478547	ZONEFLEX
Registration Number:	1397449	ADC
Registration Number:	5509853	MULTITRUST
Registration Number:	5327676	OPTI-TRACE
Registration Number:	5049934	LIGHT-PLEX
Registration Number:	5010874	SURFBOARD
Registration Number:	4968845	WORKASSURE
Registration Number:	4968844	SERVASSURE
Registration Number:	4967627	ENCRYPTONITE
Registration Number:	4900571	FLEX MAX
Registration Number:	4989500	RIPCURRENT
Registration Number:	4789123	CONVERGEMEDIA
Registration Number:	4751504	AGILEMAX
Registration Number:	4388270	MEDIACIPHER
Registration Number:	4368691	CHERRYPICKER
Registration Number:	4196842	CORWAVE
Registration Number:	4120355	
Registration Number:	4104918	FTTMAX

Property Type	Number	Word Mark
Registration Number:	4104916	TRANS MAX
Registration Number:	4040651	
Registration Number:	4051711	ARRIS
Registration Number:	4448361	E6000
Registration Number:	3330904	D5
Registration Number:	4254343	ARRIS
Registration Number:	3542646	CHP MAX5000
Registration Number:	2971140	
Registration Number:	3069613	TOUCHSTONE
Registration Number:	2088180	SURFBOARD
Registration Number:	2269305	NETOPIA
Registration Number:	2114971	NETOPIA
Registration Number:	1458155	REGAL
Registration Number:	4524480	KREATV
Registration Number:	1770738	DIGICIPHER
Registration Number:	3678453	AURORA NETWORKS
Registration Number:	4837057	DREAMGALLERY
Registration Number:	4996197	SECUREMEDIA
Registration Number:	2574191	2WIRE
Registration Number:	2632251	2WIRE
Registration Number:	2619363	HOMEPORTAL
Registration Number:	2585702	2WIRE
Registration Number:	4453090	ARRIS
Registration Number:	3003530	C4
Serial Number:	88263645	SMOUV
Serial Number:	87650274	UNLEASHED
Serial Number:	87979957	NOW MEETS NEXT
Serial Number:	87979735	HOMEASSURE

**CORRESPONDENCE DATA**

Fax Number: 8009144240

*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: 800-713-0755

Email: Michael.Violet@wolterskluwer.com

Correspondent Name: CT Corporation

Address Line 1: 4400 Easton Commons Way

Address Line 2: Suite 125

Address Line 4: Columbus, OHIO 43219



<b>NAME OF SUBMITTER:</b>	Doris Ka
<b>SIGNATURE:</b>	/Doris Ka/
<b>DATE SIGNED:</b>	04/10/2019

**Total Attachments: 18**

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**TRADEMARK SECURITY AGREEMENT**

This TRADEMARK PROPERTY SECURITY AGREEMENT (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Trademark Security Agreement**”) dated April 4, 2019 is made by the Person listed on the signature pages hereof (the “**Pledgor**”) in favor of JPMorgan Chase Bank, N.A., as collateral agent (together with its permitted successors in such capacity the “**Collateral Agent**”) for the Secured Parties (as defined in the Credit Agreement referred to below).

WHEREAS, COMMSCOPE, Inc., a Delaware corporation, has entered into a Credit Agreement, dated as of April 4, 2019 (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”), with CommScope Holding Company, Inc., a Delaware corporation (“**Holdings**”), CommScope, Inc., a Delaware corporation (the “**Borrower**”), JPMorgan Chase Bank, N.A., as the Administrative Agent and Collateral Agent, and the Lenders party thereto.

WHEREAS, as a condition precedent to the making of the Term Loans by the Lenders under the Credit Agreement, each Pledgor has executed and delivered that certain Security Agreement, dated April 4, 2019, by Holdings, the Borrower, each Pledgor, the other grantors party thereto from time to time and the Collateral Agent (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”). Terms defined in the Security Agreement and not otherwise defined herein are used herein as defined in the Security Agreement.

WHEREAS, under the terms of the Security Agreement, each Pledgor has granted to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, among other property, certain trademarks of each Pledgor, and have agreed as a condition thereof to execute this Trademark Security Agreement for recording with the United States Patent and Trademark Office and any other appropriate domestic governmental authorities.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Pledgor agrees as follows:

(1) Grant of Security. Each Pledgor hereby grants to the Collateral Agent for the benefit of the Secured Parties a security interest in all of such Pledgor’s right, title and interest in and to the following (the “**Collateral**”):

(a) the trademark and service mark registrations and applications set forth in Schedule A hereto (provided that no security interest shall be granted in United States intent-to-use trademark applications to the extent that, and so long as creation of a security interest therein or the assignment thereof would result in the loss of any material rights therein), together with the goodwill symbolized thereby (the “**Trademarks**”);

(b) all reissues, divisions, continuations, continuations-in-part, extensions, renewals and reexaminations of any of the foregoing, all rights in the foregoing provided by international treaties or conventions, all rights corresponding thereto throughout the world and all other rights of any kind whatsoever of such Pledgor accruing thereunder or pertaining thereto;

(c) any and all claims for damages and injunctive relief for past, present and future infringement, dilution, misappropriation, violation, misuse or breach with respect to any of the foregoing, with the right, but not the obligation, to sue for and collect, or otherwise recover, such damages; and

(d) any and all proceeds of, collateral for, income, royalties and other payments now or hereafter due and payable with respect to, and supporting obligations relating to, any and all of the Collateral of or arising from any of the foregoing;

provided that notwithstanding anything to the contrary contained in the foregoing clauses (a) through (d), the security interest created hereby shall not extend to, and the term "Collateral," shall not include any lease, license or other agreement to the extent that (and only for so long as) a grant of a security interest therein would violate or invalidate such lease, license, or agreement, or create a right of termination in favor of any other party thereto (other than any Pledgor), in each case to the extent not rendered unenforceable pursuant to applicable provisions of the UCC or other applicable law, provided, that the Collateral includes proceeds and receivables of any property excluded under the foregoing proviso, the assignment of which is expressly deemed effective under the UCC notwithstanding such prohibition; provided further that, notwithstanding anything to the contrary contained in the foregoing clauses (a) through (d), the security interest created hereby shall not extend to any Excluded Assets.

(2) Security for Obligations. The grant of a security interest in, the Collateral by each Pledgor under this Trademark Security Agreement secures the payment of all Obligations of such Pledgor now or hereafter existing under or in respect of the Loan Documents (as such Loan Documents may be amended, amended and restated, supplemented, replaced, refinanced or otherwise modified from time to time (including any increases of the principal amount outstanding thereunder)). Without limiting the generality of the foregoing, this Trademark Security Agreement secures, as to each Pledgor, the payment of all amounts that constitute part of the Secured Obligations (as defined in the Security Agreement) that would be owed by such Pledgor to any Secured Party under the Loan Documents but for the fact that they are unenforceable or not allowable due to the existence of a bankruptcy, or reorganization or similar proceeding involving a Loan Party.

(3) Recordation. Each Pledgor authorizes and requests that the Commissioner for Trademarks record this Trademark Security Agreement.

(4) Execution in Counterparts. This Trademark Security Agreement may be executed in any number of counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

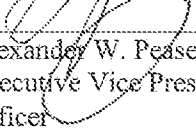
(5) Grants, Rights and Remedies. This Trademark Security Agreement has been entered into in conjunction with the provisions of the Security Agreement. Each Pledgor does hereby acknowledge and confirm that the grant of the security interest hereunder to, and the rights and remedies of, the Collateral Agent with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Trademark Security Agreement Supplement and the terms of the Security Agreement, the terms of the Security Agreement shall govern.

(6) Governing Law. This Trademark Security Agreement shall be governed by, and construed in accordance with, the laws of the State of New York.

[Signature Pages Follow]

IN WITNESS WHEREOF, each Pledgor has caused this Trademark Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**COMMSCOPE TECHNOLOGIES LLC  
COMMSCOPE, INC. OF NORTH CAROLINA  
RUCKUS WIRELESS, INC.  
ARRIS ENTERPRISES LLC**

By:   
Name: Alexander W. Pease  
Title: Executive Vice President and Chief Financial Officer

**ARRIS TECHNOLOGY, INC.**

By: \_\_\_\_\_

Name: Alexander W. Pease

Title: Executive Vice President and Chief  
Financial Officer

[SIGNATURE PAGE TO TRADEMARK SECURITY AGREEMENT]

**TRADEMARK**  
**REEL: 006613 FRAME: 0905**

COMMSCOPE, INC.

By: 

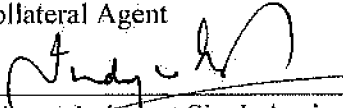
Name: Alexander W. Pease

Title: Executive Vice President and Chief  
Financial Officer

[SIGNATURE PAGE TO TRADEMARK SECURITY AGREEMENT]

**TRADEMARK**  
**REEL: 006613 FRAME: 0906**

JPMORGAN CHASE BANK, N.A.,  
as Collateral Agent

By:   
Name: Inderjeet Singh Aneja  
Title: Vice President

[SIGNATURE PAGE TO TRADEMARK SECURITY AGREEMENT]

**TRADEMARK**  
**REEL: 006613 FRAME: 0907**

Schedule A to the Trademark Security Agreement

**1. Registered Trademarks**

<b>OWNER</b>	<b>REGISTRATION NUMBER</b>	<b>APPLICATION NUMBER</b>	<b>TRADEMARK</b>
CommScope Technologies LLC	4506402	85711245	AccuRET
CommScope, Inc. of North Carolina	5161230	87198129	ACT
CommScope Technologies LLC	1021919	73001828	ADC
CommScope Technologies LLC	2572495	75573766	ADC
CommScope Technologies LLC	2608396	75573620	ADC
CommScope Technologies LLC	1941052	74615763	AIR FOSC
CommScope Technologies LLC	2791398	78201673	AIRES
CommScope Technologies LLC	2598859	76038538	Airvana
CommScope Technologies LLC	2675597	76292520	Airvista
CommScope Technologies LLC	4177785	85197594	AMC
CommScope Technologies LLC	4911879	86312828	AMP NETCONNECT
CommScope Technologies LLC	3060798	76977895	AMP NETCONNECT & OVAL DESIGN
CommScope Technologies LLC	3096306	78229945	AMP NETCONNECT HOME NET-WORKS
CommScope Technologies LLC	2197854	75336151	AMPINNERGY
CommScope Technologies LLC	3894233	77333034	Andrew
CommScope Technologies LLC	959263	72406949	Andrew
CommScope Technologies LLC	403521	71460168	Andrew & Flash Design
CommScope Technologies LLC	4854347	86532594	Andrew & Flash Design
CommScope Technologies LLC	959262	72406948	Andrew & Flash Design
CommScope Technologies LLC	4272486	77602197	Andrew Solutions
CommScope Technologies LLC	4270192	77884471	Argus
CommScope Technologies LLC	2674928	76391419	BAY TRACER
CommScope, Inc. of North Carolina	4435226	85817585	BOS
CommScope, Inc. of North Carolina	2472151	75694165	BrightWire
CommScope, Inc. of North Carolina	3969647	85126160	BrightWire XP



CommScope Technologies LLC	4386723	85683067	C5C
CommScope Technologies LLC	5507068	87682714	Cable Exchange
CommScope, Inc. of North Carolina	1530622	73713183	Cable Guard
CommScope, Inc. of North Carolina	2099055	75124156	CablePak
CommScope, Inc. of North Carolina	4520878	86036392	cCatalog
CommScope Technologies LLC	0761882	72168557	CERTI-SEAL
CommScope Technologies LLC	2633035	76210367	CLEARGAIN
CommScope Technologies LLC	3924994	85016910	CNT
CommScope, Inc. of North Carolina	0898651	72353793	Comm/Scope
CommScope, Inc. of North Carolina	2849601	78191100	CommAlert
CommScope, Inc. of North Carolina	2905380	75513771	CommPak
CommScope, Inc. of North Carolina	1865198	74330420	CommScope
CommScope, Inc. of North Carolina	4194933	77737736	CommScope
CommScope, Inc. of North Carolina	5444784	87398031	COMMSCOPE
CommScope, Inc. of North Carolina	3008397	76608524	CommScope Advantage Inventory Management
CommScope, Inc. of North Carolina	4463018	85226746	CommScope and Globe Design
CommScope, Inc. of North Carolina	5523282	87701451	CommScope and Globe Design 2D
CommScope, Inc. of North Carolina	5717236	87773846	COMMSCOPE Era
CommScope Technologies LLC	1640275	73802998	COMPROTECT
CommScope, Inc. of North Carolina	2223132	75208107	ConQuest
CommScope Technologies LLC	1875109	74438772	CORELINK
CommScope, Inc. of North Carolina	4520879	86036413	cSolutions
CommScope Technologies LLC	3292104	78825131	CST
CommScope, Inc. of North Carolina	4373306	85574128	CTrak
CommScope, Inc. of North Carolina	3333965	77111114	Datapipe
CommScope, Inc. of North Carolina	2263526	75292556	Design Logo
CommScope, Inc. of North Carolina	3510148	78948378	Design Logo
CommScope Technologies LLC	3901009	77435896	DLX

CommScope Technologies LLC	1676346	74056196	DryLine (Stylized)
CommScope Technologies LLC	1619537	73813306	DTERMINATOR
CommScope Technologies LLC	1793196	74295683	DTERMINATOR 2
CommScope Technologies LLC	2252089	75300187	DualPol
CommScope, Inc. of North Carolina	4419646	85690335	E2O
CommScope Technologies LLC	1597208	73826102	EASIAx
CommScope Technologies LLC	2442988	75386462	EASIAx Plus
CommScope Technologies LLC	2950291	78317506	ETHERSEAL
CommScope Technologies LLC	4298759	85314262	EXPRESS EXIT
CommScope Technologies LLC	4246830	85341885	ExtremeLine
CommScope, Inc. of North Carolina	2522409	76224025	EZ-Clip
CommScope, Inc. of North Carolina	3502353	77128209	EZfit
CommScope Technologies LLC	4397966	85709879	FiberFeed
CommScope Technologies LLC	1612750	73816057	FIBERGUIDE
CommScope Technologies LLC	2349926	75693128	FIBRBOSS
CommScope Technologies LLC	2854242	76193765	FLEXDSX
CommScope Technologies LLC	1104227	73089207	FLEXI-BLOCK
CommScope Technologies LLC	3616852	77295504	FLEXWAVE
CommScope Technologies LLC	5304491	87120826	FOSC
CommScope Technologies LLC	1488255	73681078	FOSC 100
CommScope Technologies LLC	2103090	75150175	FOSC 400
CommScope Technologies LLC	5279463	87121175	FOSC 450
CommScope, Inc. of North Carolina	2885945	76526363	FXL
CommScope Technologies LLC	4999807	86655950	G2
CommScope Technologies LLC	1866253	74340111	GELGUARD
CommScope Technologies LLC	2525022	76239360	GHFC
CommScope, Inc. of North Carolina	2185062	75256346	GigaSPEED
CommScope, Inc. of North Carolina	3372123	77179856	GigaSPEED X10D
CommScope, Inc. of North Carolina	3372121	77179814	GigaSPEED XL
CommScope, Inc. of North Carolina	3534816	77194052	GigaSPEED Xpress

CommScope, Inc. of North Carolina	5523284	87701559	Globe Design 2D
CommScope, Inc. of North Carolina	4463016	85222869	Globe Design Logo
CommScope, Inc. of North Carolina	2774200	76186081	Gold Metallic Cable (Brightwire Design)
CommScope Technologies LLC	2624480	76296797	GS3
CommScope Technologies LLC	2329066	75651000	GSSP
CommScope Technologies LLC	0827502	72236212	HELIAX
CommScope Technologies LLC	2137593	74554507	HIGHBAND
CommScope, Inc. of North Carolina	4295523	85671328	HomeConnect
CommScope, Inc. of North Carolina	2226785	75337960	How Intelligence Travels
CommScope, Inc. of North Carolina	5138280	86673102	IMPOWER
CommScope, Inc. of North Carolina	4219218	85404930	IMVISION
CommScope, Inc. of North Carolina	3056241	78304663	InstaPATCH
CommScope Technologies LLC	2934663	78039039	INTERREACH
CommScope Technologies LLC	3074737	78508303	INTERREACH FUSION
CommScope Technologies LLC	3112097	78679830	INTERREACH UNISON
CommScope Technologies LLC	4286452	78710076	ION
CommScope Technologies LLC	4882164	86199955	ION
CommScope Technologies LLC	4605617	86248066	ION-B
CommScope Technologies LLC	4701347	86248120	ION-E
CommScope Technologies LLC	4605618	86248086	ION-M
CommScope Technologies LLC	4605619	86248101	ION-U
CommScope, Inc. of North Carolina	2586648	78020592	iPatch
CommScope Technologies LLC	4350738	85368731	i-POI
CommScope Technologies LLC	3433079	78841778	IQ-clear XG
CommScope Technologies LLC	2651706	76321751	JACKMOON
CommScope Technologies LLC	2014813	74619280	KRONE
CommScope, Inc. of North Carolina	2377944	75408017	LazrSPEED
CommScope Technologies LLC	1879609	74484007	LIGHTCRIMP
CommScope Technologies LLC	0403520	71460167	Lightning Flash Design

CommScope Technologies LLC	4849761	86532510	Lightning Flash Design
CommScope, Inc. of North Carolina	2897705	76402076	LightScope
CommScope, Inc. of North Carolina	4304732	85673625	LightScope ZWP
CommScope Technologies LLC	1450498	73631283	LSA-PLUS
CommScope Technologies LLC	2358130	75377658	LX.5
CommScope, Inc. of North Carolina	2692643	76363370	Media 6
CommScope Technologies LLC	2579587	75870237	METROREACH
CommScope Technologies LLC	2851254	76220595	MT-RJ SECURE
CommScope, Inc. of North Carolina	2177943	75219425	MultiReach
CommScope Technologies LLC	1615223	73788090	NETCONNECT
CommScope Technologies LLC	1893971	74453454	NETCONNECT
CommScope Technologies LLC	1894333	74453453	NETCONNECT
CommScope Technologies LLC	2993103	78229529	NG3
CommScope Technologies LLC	4610287	85704309	NG4access
CommScope Technologies LLC	2271862	75463537	NORTHERN LIGHTS CABLE, INC.
CommScope Technologies LLC	1606215	73814202	OCTAPAK
CommScope Technologies LLC	3787825	77295506	OMX
CommScope Technologies LLC	2821428	75749083	OMX600
CommScope Technologies LLC	4796318	86274839	OneCell
CommScope, Inc. of North Carolina	2663495	75369497	OptiSPEED
CommScope, Inc. of North Carolina	2270709	75512695	P3
CommScope, Inc. of North Carolina	4522646	85671304	PartnerPRO
CommScope, Inc. of North Carolina	2051177	74562815	PATCHMAX
CommScope Technologies LLC	1469785	73620071	PEDCAP
CommScope Technologies LLC	0832129	72242873	PICABOND
CommScope, Inc. of North Carolina	2217964	75136043	Power Feeder
CommScope Technologies LLC	5046485	86629495	PowerShift
CommScope Technologies LLC	4369315	85457845	p-POI
CommScope Technologies LLC	2869874	75767494	PRO PATCH

CommScope, Inc. of North Carolina	2938665	76517340	PullMaster
CommScope, Inc. of North Carolina	1442791	73396747	QR
CommScope Technologies LLC	4139752	85101945	QUAREO
CommScope Technologies LLC	5029002	79160608	QUAREO
CommScope Technologies LLC	4139774	85109606	QUAREO Logo (Stylized Q)
CommScope, Inc. of North Carolina	4781516	86470260	QWIK II
CommScope Technologies LLC	2296455	75268203	RADIATOR
CommScope Technologies LLC	1080222	73018667	RADIAX
CommScope Technologies LLC	5018162	85473147	RAPID FIBER
CommScope Technologies LLC	4813063	85376506	RAPID REEL
CommScope, Inc. of North Carolina	3790697	77415042	ReadyPATCH
CommScope Technologies LLC	3894279	77437287	RealFlex
CommScope Technologies LLC	4581718	86046357	Redwood
CommScope, Inc. of North Carolina	2347613	75449992	ReelSmart
CommScope Technologies LLC	4946795	86240941	RET MASTER
CommScope Technologies LLC	3803597	77295523	RISERGUIDE
CommScope Technologies LLC	4316928	85704218	Sentinel
CommScope Technologies LLC	2379921	75467260	SINGLE SHOT
CommScope Technologies LLC	3701189	77687305	SnapStak
CommScope, Inc. of North Carolina	1703013	74205268	SpanMaster
CommScope Technologies LLC	3934509	85092968	Starburst Design
CommScope Technologies LLC	4505497	86097507	Sureflex
CommScope Technologies LLC	3691912	77687357	SureGround
CommScope Technologies LLC	4716499	86419044	SureGuard
CommScope, Inc. of North Carolina	1605354	73819444	SYSTMIX
CommScope, Inc. of North Carolina	1644744	74001018	SYSTMIX
CommScope, Inc. of North Carolina	4082391	85201845	SYSTMIX
CommScope Technologies LLC	2360043	75742500	TCS2
CommScope Technologies LLC	1301390	73450343	TEGLAR

CommScope Technologies LLC	2336952	75050695	Teletilt
CommScope, Inc. of North Carolina	2945805	78201890	TeraSPEED
CommScope Technologies LLC	1359209	73518981	TERMSEAL
CommScope, Inc. of North Carolina	2435047	75903601	The C in HFC
CommScope Technologies LLC	1437317	73591687	TRAC
CommScope Technologies LLC	2348496	75693127	TRACE
CommScope Technologies LLC	2628761	75867929	TRACERLIGHT
CommScope Technologies LLC	2546021	75981105	TRUENET
CommScope Technologies LLC	1599432	73836894	UHP
CommScope Technologies LLC	1027817	73033496	UHX
CommScope, Inc.	3740787	77527193	Ultra 10
CommScope, Inc. of North Carolina	2353678	75737031	ULTRA II
CommScope, Inc. of North Carolina	2188872	75226664	UltraHome
CommScope, Inc. of North Carolina	3323526	77111093	UltraMedia
CommScope, Inc. of North Carolina	2552137	76132307	UltraPipe
CommScope Technologies LLC	1833148	74211960	UNIPATCH
CommScope, Inc. of North Carolina	3024567	78370565	Uniprise
CommScope, Inc. of North Carolina	3163109	76589237	Uniprise Solutions
CommScope Technologies LLC	4415533	85578006	ValuDAS
CommScope Technologies LLC	3860385	77950389	ValuLine
CommScope Technologies LLC	1858127	74340489	ValuLine & Design
CommScope, Inc. of North Carolina	2634837	76314868	VEXTRA
CommScope, Inc. of North Carolina	2507683	75721302	VisiPatch
CommScope, Inc. of North Carolina	3366457	77051145	VisiPatch 360
CommScope Technologies LLC	4505043	86039778	V-Stabilizer
CommScope, Inc. of North Carolina	1418255	73597130	WE TOTE
CommScope, Inc. of North Carolina	2841158	76433408	WebTrak
CommScope Technologies LLC	1659753	74112189	WRSS
CommScope Technologies LLC	1173989	73260652	XAGA
CommScope Technologies LLC	1878534	74488870	XAGA FOSC

CommScope, Inc. of North Carolina	3541568	77375238	XpressPrep
Ruckus Wireless Inc.	4422692	85629423	Bark Logo (Design Only 3 Bars)
Ruckus Wireless Inc.	3262223	78541004	BEAMFLEX
Ruckus Wireless Inc.	4863441	85540807	CHANNELFLY
Ruckus Wireless Inc.	4045900	77803433	CLOUDPATH
ARRIS Enterprises LLC	2268037	75226662	FASTIRON
ARRIS Enterprises LLC	4433108	85502588	HYPEREDGE
ARRIS Enterprises LLC	4146675	85443568	ICX
Ruckus Wireless Inc.	4408483	85751017	RUCKUS (word mark)
Ruckus Wireless Inc.	4408484	85751019	RUCKUS (word mark)
Ruckus Wireless Inc.	4408482	85751016	RUCKUS (word mark)
ARRIS Enterprises LLC	5270518	87309640	RUCKUS (word mark)
ARRIS Enterprises LLC	5444434	87309646	RUCKUS (word mark)
ARRIS Enterprises LLC	5300321	87341483	Ruckus Big Dog Design
Ruckus Wireless Inc.	3280730	78716261	RUCKUS WIRELESS
Ruckus Wireless Inc.	4343496	85540816	SMARTCELL
ARRIS Enterprises LLC	2212298	75266963	TURBOIRON
Ruckus Wireless Inc.	4868033	86403672	Xclaim (stylized)
Ruckus Wireless Inc.	4868032	86403664	Xclaim (stylized)
Ruckus Wireless Inc.	4868035	86403676	XCLAIM (word mark)
Ruckus Wireless Inc.	4868034	86403674	XCLAIM (word mark)
Ruckus Wireless Inc.	5061882	86587859	XPRESSCONNECT
Ruckus Wireless Inc.	4478547	85540810	ZONEFLEX
CommScope Technologies LLC	1397449	73527543	ADC & Design
ARRIS Enterprises LLC	5509853	87551493	MULTIFRUST
ARRIS Enterprises LLC	5327676	87381338	OPTI-TRACE
ARRIS Enterprises LLC	5049934	87044109	LIGHT-PLEX
ARRIS Enterprises LLC	5010874	86654648	SURFboard & Design

ARRIS Enterprises LLC	4968845	86818230	WorkAssure
ARRIS Enterprises LLC	4968844	86818115	ServAssure
ARRIS Enterprises LLC	4967627	86642777	ENCRYPTONITE
ARRIS Enterprises LLC	4900571	86552760	FLEX MAX
ARRIS Enterprises LLC	4989500	86475404	RIPCURRENT
ARRIS Enterprises LLC	4789123	86458561	CONVERGEMEDIA
ARRIS Enterprises LLC	4751504	86415822	AgileMax
ARRIS Enterprises LLC	4388270	85895708	MEDIACIPHER
ARRIS Enterprises LLC	4368691	85852511	CHERRYPICKER
ARRIS Enterprises LLC	4196842	85345882	CORWAVE
ARRIS Enterprises LLC	4120355	85131514	Design
ARRIS Enterprises LLC	4104918	85345896	FTMAX
ARRIS Enterprises LLC (f/k/a Arris Enterprises, Inc.)	4104916	85345826	TRANS MAX
ARRIS Enterprises LLC	4040651	85117353	Design
ARRIS Enterprises LLC	4051711	85117462	ARRIS & Design
ARRIS Enterprises LLC	4448361	85539064	E6000
ARRIS Enterprises LLC (f/k/a Arris Enterprises, Inc.)	3330904	78585156	D5
ARRIS Enterprises LLC	4254343	78285890	ARRIS
ARRIS Enterprises LLC	3542646	77288661	CHP MAX5000
ARRIS Enterprises LLC	2971140	76270674	Design
ARRIS Enterprises LLC (f/k/a Arris Enterprises, Inc.)	3069613	76280089	TOUCHSTONE
ARRIS Enterprises LLC	2088180	75002255	SURFBOARD
ARRIS Enterprises LLC	2269305	74689102	NETOPIA
ARRIS Enterprises LLC	2114971	74665594	NETOPIA
ARRIS Enterprises LLC	1458155	73648391	REGAL
ARRIS Technology, Inc.	4524480	85866825	KREATV
ARRIS Technology, Inc.	1770738	74015559	DIGICIPHER



ARRIS Enterprises LLC	3678453	77488942	AURORA NETWORKS & Design
ARRIS Technology, Inc.	4837057	85595767	DREAMGALLERY
ARRIS Enterprises LLC	4996197	86649973	SECUREMEDIA
ARRIS Enterprises LLC	2574191	75761706	2WIRE & Design
ARRIS Enterprises LLC	2632251	75761705	2WIRE & Design
ARRIS Enterprises LLC	2619363	75825604	HOMEPORTAL
ARRIS Enterprises LLC	2585702	75575129	2WIRE
ARRIS Enterprises LLC	4453090	85140610	ARRIS
ARRIS Enterprises LLC	3003530	78064945	C4

## 2. Trademark Applications

OWNER	APPLICATION NUMBER	TRADEMARK
CommScope Technologies LLC	88263645	SMOUV
ARRIS Enterprises LLC	87650274	UNLEASHED
CommScope, Inc. of North Carolina	87979957	NOW MEETS NEXT
ARRIS Enterprises LLC	87979735	HOMEASSURE