

Applicant_Name	FCC_ID	Final_Action_date	Equip_Cla	Equip_Description	Frequency	rule_part
TDC Acquisition Holdings Inc.	NUF-CW	9/12/2000	0:00 UWB	Radar Vision System	1000.00000 3000.00000	15C
TDC Acquisition Holdings Inc.	NUF-CW	9/12/2000	0:00 UWB	Radar Vision System	1000.00000 3000.00000	15C
U.S. Radar, Incorporated	OPLSPR500M	10/27/1999	0:00 UWB	Ground Penetrating Radar	2.00000000 1300.00000	15C
U.S. Radar, Incorporated	OPLSPR250M	5/11/2000	0:00 UWB	Ground Penetrating Radar	2.00000000 1000.00000	15C
Siemens Medical Solutions US	SXSB2300A	8/15/2014	0:00 UWB	Acuson Freestyle Ultrasound System Wireless Probe	7535.42500 8077.04900	15F
Samsung Electronics Co Ltd	A3LCYWDC7UT	2/28/2011	0:00 UWB	CYWDC7UT Host Mini-Dongle	3168.00000 4752.00000	15F
Samsung Electronics Co Ltd	A3LCYWDC7UT	2/28/2011	0:00 UWB	CYWDC7UT Host Mini-Dongle	6336.00000 7920.00000	15F
Samsung Electronics Co Ltd	A3LCYWDC7UT	2/28/2011	0:00 UWB	CYWDC7UT Host Mini-Dongle	7392.00000 8976.00000	15F
Delphi Electronics & Safety	L2C0030TR	12/6/2005	0:00 UWB	UWB Vehicular Radar	22000.0000 29000.0000	15F
Sony Corporation	AK8UPAWU10T	8/8/2016	0:00 UWB	Wireless Print Transmitter	7392.00000 8976.00000	15F
Globalintech, Inc.	SUWGUW01S	3/5/2008	0:00 UWB	XiMedia UWB VIDEO ADAPTER	4129.00000 9344.00000	15F
Samsung Electronics Co Ltd	A3LCYWDCB7UR	8/3/2012	0:00 UWB	Wireless Connection Module	3168.00000 8976.00000	15F
KROHNE	Q6BFMCW10G52	4/5/2013	0:00 UWB	Tank Level Probing Radar	8500.00000 10600.0000	15F
TDC Acquisition Holdings Inc.	NUF-200SGT-0702	10/11/2002	0:00 UWB	UWB Signal Generator / Transmitter	3420.00000 6950.00000	15F
TDC Acquisition Holdings Inc.	NUF-200SGT-0702	10/11/2002	0:00 UWB	UWB Signal Generator / Transmitter	3420.00000 6950.00000	15F
Realtek Semiconductor Corp.	TX2RTU7300-UWB	1/7/2008	0:00 UWB	UWB USB Dongle	3433.00000 4487.00000	15F
TDC Acquisition Holdings Inc.	NUF-RV2-0804	11/17/2004	0:00 UWB	Through-Wall Radar	1674.00000 6147.00000	15F
Jiwumedia Co., Ltd.	YYQ-LBD-001	12/29/2010	0:00 UWB	UWB DOCKING STATION	3168.00000 4752.00000	15F
Autoliv ASP, Inc.	WU8MRR25	1/10/2012	0:00 UWB	24GHz SRS Sensor	24476.0000 25640.0000	15F
Ubisense Limited	SEATAG20	5/22/2007	0:00 UWB	Ultra-wideband In-building Location System	6512.00000 7678.00000	15F
Zebra Technologies Corporatic	QCJPAL1X1	12/20/2004	0:00 UWB	RF Tag	5745.00000 6580.00000	15F
Geophysical Survey Systems, QF75104	QF75104	11/18/2004	0:00 UWB	5104 Antenna	91.5900000 183.170000	15F
University of Houston	U7W900	6/23/2008	0:00 UWB	Air Coupled Ground Penetrating Radar	163.000000 877.000000	15F
TiaLinx, Inc.	2AAD6EAGLE5N	8/26/2013	0:00 UWB	Eagle5N	3686.37000 5390.18000	15F
Veebeam Limited	UQL-RC2-SC4404R	3/25/2010	0:00 UWB	RC2 Model WUSB Dongle Module	3168.00000 4752.00000	15F
Artimi Ltd	S8S-A-150-PCBA028	8/19/2008	0:00 UWB	A-150 Device Wire Proxy	3100.00000 4800.00000	15F
Geophysical Survey Systems, QF74105	QF74105	11/26/2004	0:00 UWB	4105 GPR	540.100000 936.560000	15F
Alereon, Inc	U9YAL5721	3/13/2009	0:00 UWB	Worldwide Wireless USB Device-Side Radio Card	3168.00000 4752.00000	15F
Alereon, Inc	U9YAL5721	3/13/2009	0:00 UWB	Worldwide Wireless USB Device-Side Radio Card	6336.00000 7920.00000	15F
Alereon, Inc	U9YAL5721	3/13/2009	0:00 UWB	Worldwide Wireless USB Device-Side Radio Card	7392.00000 8976.00000	15F
Autoliv ASP, Inc.	WU8SRSC5	11/20/2009	0:00 UWB	24 GHz Ultra Wideband Sensor C5	23570.0000 25162.0000	15F
Autoliv ASP, Inc.	WU8SRSC5	11/20/2009	0:00 UWB	24 GHz Ultra Wideband Sensor C5	23575.0000 25258.0000	15F
Samsung Electronics Co Ltd	A3LCYWDCB7UT	8/2/2012	0:00 UWB	Wireless USB Dongle	3168.00000 8976.00000	15F
Belkin International, Inc.	K7SF5U301HUB	12/19/2006	0:00 UWB	Cable Free USB HUB	3100.00000 4800.00000	15F
TDC Acquisition Holdings Inc.	NUF-200EVK-1202	2/20/2003	0:00 UWB	UWB Transceiver (EVK)	3320.00000 6380.00000	15F
UltraVision Security Systems, IUSJCMD2A-F2	IUSJCMD2A-F2	7/2/2009	0:00 UWB	ultrawideband surveillance system	80.0000000 600.000000	15F
Audio-Technica Corporation	JFZMTU301	4/11/2011	0:00 UWB	SpectraPulse Wireless Microphone System – Microphone Trans	5914.40000 6748.80000	15F
PLUS Location Systems USA	IZEH0116	5/13/2016	0:00 UWB	Transmit Only UWB Tag	6978.40000 7650.20000	15F
S1 Corporation	Q54URS0030X	2/7/2014	0:00 UWB	UWB Sensor	8767.00000 9324.00000	15F
Autoliv ASP, Inc.	WU8SQ24	10/24/2013	0:00 UWB	24 GHz UWB Radar Sensor SQ	24280.0000 25652.0000	15F
Lastar, Inc.	WGK1PUWBVGA	11/17/2008	0:00 UWB	Wireless VGA Adapter	3100.00000 4800.00000	15F
Zebra Technologies Corporatic	QCJSPDR650	1/14/2003	0:00 UWB	Short Pulse Digital Radar	6020.00000 6699.00000	15F
W5 Networks	VJ5-ESLS-1NC	3/14/2008	0:00 UWB	W5 ESL	3931.25000 4731.25000	15F
IDS GeoRadar Srl	UFW-OPERADUO	7/13/2016	0:00 UWB	Ground Penetrting Radar	67.2000000 279.240000	15F
Toshiba Corporation, Semicon	ZVZ420L1TJ	3/13/2015	0:00 UWB	TransferJet compatible adapter	4470.00000 4470.00000	15F

ABG TAG & TRAQ LLC	2AAXVTNTMOD1	11/10/2015 0:00 UWB	Ultra-wideband transmitter module	3150.00000 4000.00000 15F
ABG TAG & TRAQ LLC	2AAXVTNTMOD1	11/10/2015 0:00 UWB	Ultra-wideband transmitter module	3480.00000 4460.00000 15F
Sensors & Software Inc.	QJQ-NOGGIN250	11/7/2002 0:00 UWB		60.0000000 573.200000 15F
Toshiba Client Solutions CO.,	ICJ6UPA3529U2	2/20/2007 0:00 UWB	Wireless UWB Port Replicator	3100.00000 4800.00000 15F
Camero Tech	A42X400F	1/31/2012 0:00 UWB	Xaver 400	2000.00000 6600.00000 15F
Zebra Technologies Corporatic	QCJPAL650	7/31/2003 0:00 UWB	Short Pulse Precision Asset Location System	5751.00000 7001.00000 15F
Harris Corporation	BV8SRS24	6/8/2006 0:00 UWB	UWB Automotive Radar Module	23373.7000 25137.3000 15F
ATEN Technology, Inc., dba IC	QLE-GUWA200	9/30/2008 0:00 UWB	Wireless USB Host Adapter	3432.00000 4488.00000 15F
Samsung Electronics Co Ltd	A3LUM100	2/8/2011 0:00 UWB	Wireless USB Mini-Card UWB Transmitter Module	3168.00000 4752.00000 15F
Samsung Electronics Co Ltd	A3LUM100	2/8/2011 0:00 UWB	Wireless USB Mini-Card UWB Transmitter Module	6336.00000 7920.00000 15F
Samsung Electronics Co Ltd	A3LUM100	2/8/2011 0:00 UWB	Wireless USB Mini-Card UWB Transmitter Module	7392.00000 8976.00000 15F
WiQuest Communications Inc.	TZQ100ADA	10/23/2006 0:00 UWB	Wireless USB Dongle	3100.00000 4800.00000 15F
Sensors & Software Inc.	QJQ-PE-PRO-HF1000	10/5/2005 0:00 UWB	Ground Penetrating Radar	0.01000000 637.400000 15F
Alereon, Inc	U9YHS6621	8/14/2012 0:00 UWB	Wireless USB Module	3180.00000 4743.00000 15F
Alereon, Inc	U9YHS6621	8/14/2012 0:00 UWB	Wireless USB Module	6347.00000 7910.00000 15F
Alereon, Inc	U9YHS6621	8/14/2012 0:00 UWB	Wireless USB Module	7400.00000 8967.00000 15F
Hilti Corporation	SDL-PS1000R1	12/16/2010 0:00 UWB	Ground Penetrating Radar	2441.00000 2441.00000 15F
Geophysical Survey Systems,	QF762000	4/20/2009 0:00 UWB	62000	420.063000 659.741000 15F
Belkin International, Inc.	K7SF5U302HUB	5/10/2007 0:00 UWB	Cable Free USB HUB	3100.00000 4800.00000 15F
Belkin International, Inc.	K7SF5U301DNGL	12/19/2006 0:00 UWB	CableFree USB Dongle	3100.00000 4800.00000 15F
LeCroy Corporation	U6ZSWAE10	4/30/2007 0:00 UWB	AirCom UWB Analyzer	3100.00000 4800.00000 15F
IDS GeoRadar Srl	UFW-ALADDINSK2	9/8/2006 0:00 UWB	Ground penetrating radar	2151.00000 2538.00000 15F
IDS GeoRadar Srl	UFW-HR2000NA	2/17/2012 0:00 UWB	Ground Penetrating Radar	963.120000 2853.00000 15F
IDS GeoRadar Srl	UFW-HI-MOD	11/13/2009 0:00 UWB	Ground Penetrating Radar	81.5000000 613.500000 15F
IDS GeoRadar Srl	UFW-DETDUO-FW	8/6/2010 0:00 UWB	Ground Penetrating Radar	47.0000000 582.000000 15F
TEWS Elektronik GmbH & Co.	2AAX7MWT	8/1/2014 0:00 UWB	Indoor UWB System	3100.00000 6000.00000 15F
Sensors & Software Inc.	QJQ-PE-PRO-HF500	10/5/2005 0:00 UWB	Ground Penetrating Radar	0.01000000 581.100000 15F
Realtek Semiconductor Corp.	TX2RTU7010-DWAV31	7/13/2007 0:00 UWB	DWA	3100.00000 4800.00000 15F
Vayyar Imaging Ltd.	2AHIS-VMaker	4/12/2016 0:00 UWB	Ultra Wideband 3D Imaging	3300.00000 10300.0000 15F
S1 Corporation	Q54URXP01	7/10/2015 0:00 UWB	UWB Sensor	8500.00000 9500.00000 15F
Ubisense Limited	SEATAG22HH	1/30/2008 0:00 UWB	UWB Tag (UBITAG7025)	6466.00000 7899.00000 15F
Geophysical Survey Systems,	QF752600	5/30/2008 0:00 UWB	52600 Antenna	1500.00000 5900.00000 15F
Geophysical Survey Systems,	QF750270S	10/26/2012 0:00 UWB	Ground Penetrating Radar Antenna	106.527000 638.204000 15F
Geophysical Survey Systems,	QF7350HS	3/3/2016 0:00 UWB	The Utility Scan 350HS is a GPR scanner	179.000000 409.000000 15F
InVue Security	2AFR8ED0991	11/24/2015 0:00 UWB	ED0991 UWB Module	3659.15000 4353.06000 15F
Mitac International Corporation	P4Q-MUH-4100	7/19/2007 0:00 UWB	WIRELESS USB HUB	3432.00000 4488.00000 15F
D Link Corporation	KA2UB1210A1	8/29/2007 0:00 UWB	D-Link UWB Dongle DUB-1210 A1	3100.00000 4800.00000 15F
TDC Acquisition Holdings Inc.	NUF-PSP400-A	12/22/2014 0:00 UWB	UWB Radar Surveillance System	3082.00000 4139.00000 15F
Realtek Semiconductor Corp.	TX2RTU7105WVGA	9/25/2008 0:00 UWB	UWB WVGA Adapter	3100.00000 4800.00000 15F
Geophysical Survey Systems,	QF7INTERRAGATOR	12/23/2002 0:00 UWB	INTERRAGATOR	113.000000 745.000000 15F
CATERPILLAR UNDERGROU	2ABZ5-4470328	5/13/2015 0:00 UWB	MODULE GP-CONTROL (Fleet for Underground) 447-0328	3177.00000 4924.00000 15F
Mala GeoScience AB (publ)	QLAMID	12/4/2002 0:00 UWB	EasyLocator MID antenna	89.0000000 317.000000 15F
Mala GeoScience AB (publ)	QLA500MHZ	1/8/2003 0:00 UWB	Ramac GPR/500 MHz shielded antenna	195.000000 486.000000 15F
Sony Corporation	AK8CXN5000	1/20/2010 0:00 UWB	Ultra Wideband Transmitter	4048.00000 4913.00000 15F
Audio-Technica Corporation	JFZBP24	12/15/2015 0:00 UWB	Studio Broadcast UWB Wireless Microphone System	6127.80000 7778.40000 15F
Zebra Technologies Corporatic	QCJPALBDG	11/3/2004 0:00 UWB	RF Tag	5751.00000 7001.00000 15F

ABCO	Q48-AUVS-3190-D	1/18/2013 0:00 UWB	UWB Wireless VGA Dongle	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5625	2/14/2011 0:00 UWB	Wireless USB Host Dongle	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5625	2/14/2011 0:00 UWB	Wireless USB Host Dongle	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5625	2/14/2011 0:00 UWB	Wireless USB Host Dongle	7392.00000 8976.00000 15F
Mala GeoScience AB (publ)	QLAEL-HDR	4/17/2013 0:00 UWB	Ground Penetrating Radar	73.7000000 223.000000 15F
Alereon, Inc	U9YAL5621	9/3/2008 0:00 UWB	AL5621 PCB RADIO MODULE	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5621	9/3/2008 0:00 UWB	AL5621 PCB RADIO MODULE	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5621	9/3/2008 0:00 UWB	AL5621 PCB RADIO MODULE	7392.00000 8976.00000 15F
Sensors & Software Inc.	QJQ-NG500	4/26/2011 0:00 UWB	Noggin Gold 500	149.700000 3179.50000 15F
Delphi Electronics & Safety	L2C0023TR	3/29/2005 0:00 UWB	UWB Vehicular Radar	23967.0000 24977.0000 15F
Realtek Semiconductor Corp.	TX2RTU7305BG13HMC	3/3/2009 0:00 UWB	UWB BG13 HMC	3432.00000 4488.00000 15F
Realtek Semiconductor Corp.	TX2RTU7305BG13HMC	3/3/2009 0:00 UWB	UWB BG13 HMC	6600.00000 7656.00000 15F
Realtek Semiconductor Corp.	TX2RTU7305BG1-HMC	6/23/2008 0:00 UWB	UWB HMC	3432.00000 4488.00000 15F
Realtek Semiconductor Corp.	T8YRWPC06	3/23/2007 0:00 UWB	UltraWideband PC Card Adapter	3100.00000 4800.00000 15F
D Link Corporation	KA2UB2240B1	8/28/2007 0:00 UWB	Wireless USB 4-Port Hub	3100.00000 4800.00000 15F
Camero tech	2AACLX100FW	1/4/2016 0:00 UWB	Through D-Wall Imaging system	1336.00000 4079.00000 15F
TDC Acquisition Holdings Inc.	NUF-RV2000-1202	3/26/2003 0:00 UWB		1500.00000 3500.00000 15F
IDS GeoRadar Srl	UFW-HIBRIGHT	5/25/2011 0:00 UWB	Ground penetrating radar	511.260000 2967.20000 15F
Summit Semiconductor LLC	UA9TT6001	11/1/2006 0:00 UWB	DS-OFDM Waveform Generator	3712.00000 5566.00000 15F
GE Medical Systems Informati	OU5-5406102	1/11/2011 0:00 UWB	URP Detector UWB Radio PWA and Antenna Module	3168.00000 4752.00000 15F
Veebeam Limited	UQLWLX2007	4/2/2007 0:00 UWB	Wireless USB HUB reference design	3100.00000 4800.00000 15F
PLUS Location Systems USA	IZEH0215	4/14/2015 0:00 UWB	2111 Tag Module	6794.28500 7747.85700 15F
Wiser Systems, Inc.	2AGZM-A01116	5/2/2016 0:00 UWB	Wireless Tracking USB dongle	3539.20000 4447.80000 15F
Wiser Systems, Inc.	2AGZM-A01116	5/2/2016 0:00 UWB	Wireless Tracking USB dongle	3736.30000 4247.80000 15F
Samsung Electronics Co Ltd	A3LCYWDC6UR	4/26/2011 0:00 UWB	Wireless Dongle Connection	3168.00000 4752.00000 15F
Samsung Electronics Co Ltd	A3LCYWDC6UR	4/26/2011 0:00 UWB	Wireless Dongle Connection	6336.00000 7920.00000 15F
Samsung Electronics Co Ltd	A3LCYWDC6UR	4/26/2011 0:00 UWB	Wireless Dongle Connection	7392.00000 8976.00000 15F
Wisair Inc.	RN2601SD-D	12/21/2007 0:00 UWB	Certified Wireless USB Module	3100.00000 4800.00000 15F
Alereon, Inc	U9YHS6618	6/27/2012 0:00 UWB	Wireless USB Dongle	3180.00000 4743.00000 15F
Alereon, Inc	U9YHS6618	6/27/2012 0:00 UWB	Wireless USB Dongle	6347.00000 7913.00000 15F
Alereon, Inc	U9YHS6618	6/27/2012 0:00 UWB	Wireless USB Dongle	7400.00000 8967.00000 15F
Mitac International Corporation	P4Q-MUD-100	6/29/2007 0:00 UWB	WIRELESS USB DONGLE	3432.00000 4488.00000 15F
General Atomics	SC9-EDJ4S2-PC	7/29/2008 0:00 UWB	Aspen Wire-Free Dongle	3150.00000 5000.00000 15F
General Atomics	SC9-EDJ4S2-PC	7/29/2008 0:00 UWB	Aspen Wire-Free Dongle	5700.00000 7400.00000 15F
Freescale Semiconductor, Inc.	RUN-XSUWBWDK	8/5/2004 0:00 UWB		3147.60000 5163.60000 15F
Ubisense Limited	SEATAG22	9/18/2007 0:00 UWB	UWB Tag	6466.00000 7899.00000 15F
Veebeam Limited	UQLSC4113D	11/21/2008 0:00 UWB	Ripcord2 UWB IC	3100.00000 4800.00000 15F
Veebeam Limited	UQLSC4113D	11/21/2008 0:00 UWB	Ripcord2 UWB IC	6336.00000 7920.00000 15F
Veebeam Limited	UQLSC4113D	11/21/2008 0:00 UWB	Ripcord2 UWB IC	7392.00000 8976.00000 15F
Geophysical Survey Systems,	QF74108F	3/5/2003 0:00 UWB	GPR with 4108F Antenna	34.8500000 897.500000 15F
Audio-Technica Corporation	JFZRP32	12/3/2015 0:00 UWB	Studio Broadcast UWB Wireless Microphone System	5825.60000 6731.20000 15F
Geophysical Survey Systems,	QF73101D	2/12/2003 0:00 UWB		25.0000000 835.000000 15F
Toshiba Client Solutions CO.,	ICJ6UPA3529UW	2/9/2007 0:00 UWB	Wireless Port Replicator	3100.00000 4800.00000 15F
Sony Corporation	AK8MSJX8G	11/9/2009 0:00 UWB	IC Recording Media	4092.00000 4867.00000 15F
PLUS Location Systems USA	IZEH0414	9/30/2014 0:00 UWB	2110 Tag Module	6927.40000 7756.70000 15F
Artimi Ltd	S8S-A-150-PCBA027	8/19/2008 0:00 UWB	A-150 Adapter Host Wire Proxy	3100.00000 4800.00000 15F

Sensors & Software Inc.	QJQ-PE-PRO-TLF	11/23/2004 0:00 UWB	Ground Penetrating Radar	0.01000000 733.000000 15F
Audio-Technica Corporation	JFZDRM141	12/29/2006 0:00 UWB	Microphone	6018.00000 6816.00000 15F
Gefen, LLC	UYEXTWUSB4PR	5/1/2007 0:00 UWB	Wireless USB2.0 HUB	3100.00000 4800.00000 15F
Alereon, Inc	U9YAL4504	6/8/2007 0:00 UWB	Hand held Ultra-Wideband Single Module Transmitter	3100.00000 4800.00000 15F
Veebeam Limited	UQLSC3221R-C	11/9/2007 0:00 UWB	SC3221R-C Wireless WCSP HWA Dongle Module	3100.00000 4800.00000 15F
Charles Machine Works Inc,	TIITQ-2450GR	1/12/2011 0:00 UWB	2150GR Duo System	31.9000000 345.500000 15F
Sensors & Software Inc.	QJQ-NG1000	5/10/2013 0:00 UWB	Ground Penetrating Radar	223.500000 2092.50000 15F
Realtek Semiconductor Corp.	-T8YP0029B	12/19/2007 0:00 UWB	One-Port DWA (Device Wire Adapter)	3150.00000 4800.00000 15F
Realtek Semiconductor Corp.	-T8YP0029B	12/19/2007 0:00 UWB	One-Port DWA (Device Wire Adapter)	6300.00000 8000.00000 15F
IDS GeoRadar Srl	UFW-STREAMX600	6/7/2011 0:00 UWB	Ground Penetrating Radar	113.834000 414.074000 15F
Toshiba Client Solutions CO.,	ICJ6UPA5145TJ	8/8/2014 0:00 UWB	TransferJet MicroUSB Adapter	4488.00000 4488.00000 15F
Toshiba Client Solutions CO.,	ICJ6UPA5144TJ	8/8/2014 0:00 UWB	TransferJet USB Adapter	4480.00000 4480.00000 15F
Geophysical Survey Systems,	QF742600	5/12/2016 0:00 UWB	The Pavescan is a GPR analyzer	281.470000 590.380000 15F
Sensors & Software Inc.	QJQ-NG100	1/24/2011 0:00 UWB	Noggin Gold 100	7.48000000 252.300000 15F
Campbell Scientific Inc	B9Q-CS710	6/24/2016 0:00 UWB	Snow Depth Sensor	1021.75000 6448.57000 15F
Autoliv ASP, Inc.	WU8MMR24	1/30/2013 0:00 UWB	24 GHz MMR Sensor	24264.0000 25651.0000 15F
IDS GeoRadar Srl	UFW-ALADDIN-NA	6/23/2010 0:00 UWB	Ground Penetrating Radar	630.000000 2930.00000 15F
Autoliv ASP, Inc.	WU8SRS24	3/16/2009 0:00 UWB	UWB Automotive Radar Module	23373.7000 25137.3000 15F
TDC Acquisition Holdings Inc.	NUF-P412-A	2/4/2013 0:00 UWB	P412 Ultra Wideband radio transceiver	3247.00000 5152.00000 15F
PipeHawk Plc	RBT99061003	3/31/2004 0:00 UWB	Ground Penetrating Radar System	128.830000 764.040000 15F
IDS GeoRadar Srl	UFW-DUALF-400-900	2/10/2011 0:00 UWB	Ground Penetrating Radar	47.0000000 582.000000 15F
Belkin International, Inc.	K7SF5U035	6/5/2007 0:00 UWB	Wireless USB PC to PC adapter	3100.00000 4800.00000 15F
U.S. Radar, Incorporated	OPLQ5C	12/3/2015 0:00 UWB	Quantum EZ Q5C Subsurface Imaging Systems	295.600000 767.200000 15F
Mala GeoScience AB (publ)	QLA100MHZ	5/13/2004 0:00 UWB	GPR	61.0000000 268.000000 15F
Berthold Technologies	R9ZFCC02X03	2/10/2016 0:00 UWB	Concentration / Moisture / Dry Mass / Density Measuring System	3101.00000 3881.00000 15F
Camero tech	2AACLX100F	8/16/2013 0:00 UWB	Xaver100	1666.00000 6600.00000 15F
Gefen, LLC	UYEXTWUSB4PS	4/30/2007 0:00 UWB	Wireless USB2.0 Extender	3100.00000 4800.00000 15F
Ubisense Limited	SEAMOD21HH	1/14/2010 0:00 UWB	Location tracking tag module	6825.05000 7839.07800 15F
NDS Surgical Imaging	UEZTZM7201	10/22/2008 0:00 UWB	Mini PCI UWB Module	3100.00000 4800.00000 15F
Alereon, Inc	U9YAL5740	9/30/2010 0:00 UWB	Wireless A/V Extender	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5740	9/30/2010 0:00 UWB	Wireless A/V Extender	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5740	9/30/2010 0:00 UWB	Wireless A/V Extender	7392.00000 8976.00000 15F
Toshiba Client Solutions CO.,	ICJ6UPA3531U2	2/13/2007 0:00 UWB	UWB Adapter	3100.00000 4800.00000 15F
Mala GeoScience AB (publ)	QLA250MHZ	12/3/2002 0:00 UWB	Ramac/GPR 250 Shielded Antenna	58.0000000 321.000000 15F
Realtek Semiconductor Corp.	-T8YRTU7105-MOD-V3	11/13/2008 0:00 UWB	Wireless USB Module	3100.00000 4800.00000 15F
Realtek Semiconductor Corp.	-T8YRTU7105-MOD-V3	11/13/2008 0:00 UWB	Wireless USB Module	3100.00000 4800.00000 15F
Realtek Semiconductor Corp.	-T8YRTU7105-MOD-V3	11/13/2008 0:00 UWB	Wireless USB Module	3100.00000 4800.00000 15F
Realtek Semiconductor Corp.	-T8YRTU7105-MOD-V3	11/13/2008 0:00 UWB	Wireless USB Module	6300.00000 8000.00000 15F
Realtek Semiconductor Corp.	-T8YRTU7105-MOD-V3	11/13/2008 0:00 UWB	Wireless USB Module	6300.00000 8000.00000 15F
Realtek Semiconductor Corp.	-T8YRTU7105-MOD-V3	11/13/2008 0:00 UWB	Wireless USB Module	6300.00000 8000.00000 15F
Artimi Ltd	S8S-A-150-PCBA032	9/8/2008 0:00 UWB	ARTIMI MODULE A-150-WUSB-MINI-RDK-F	3100.00000 4800.00000 15F
Jiwumedia Co., Ltd.	YYQ-LBM-002	2/8/2011 0:00 UWB	WIRELESS USB MINI-CARD MODULE	3168.00000 4752.00000 15F
Broadcom Corporation	QDS-BRCM1035	3/12/2008 0:00 UWB	BROADCOM WIRELESS BLUETOOTH AND UWB MINICARD	3100.00000 4800.00000 15F
Alereon, Inc	U9YAL5708	12/12/2008 0:00 UWB	AL5708 PCIe Wireless USB Half-MiniCard	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5708	12/12/2008 0:00 UWB	AL5708 PCIe Wireless USB Half-MiniCard	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5708	12/12/2008 0:00 UWB	AL5708 PCIe Wireless USB Half-MiniCard	7392.00000 8976.00000 15F

IDS GeoRadar Srl	UFW-TRHFNA	2/14/2012 0:00 UWB	Ground Penetrating Radar	976.000000 2489.60000 15F
i4C Innovations Inc.	2ACMJ-X100	12/15/2014 0:00 UWB	UWB health monitoring band for pets	3100.00000 10600.0000 15F
Sensors & Software Inc.	QJQ-NG250	11/23/2011 0:00 UWB	Ground Penetrating Radar System	193.500000 563.500000 15F
GE Medical Systems, LLC	YYJ-5390144	1/11/2011 0:00 UWB	WUSB Host Radio - BG1	3168.00000 4752.00000 15F
Realtek Semiconductor Corp.	T8YDGLR7CV1	7/2/2007 0:00 UWB	Wireless USB 2.0 Adapter	3100.00000 4800.00000 15F
Geophysical Survey Systems,	QF750400S	12/15/2011 0:00 UWB	Ground Penetrating Radar	127.000000 176.000000 15F
Netgear Incorporated	PY311200163	10/6/2011 0:00 UWB	Certified Wireless USB Module	3100.00000 4800.00000 15F
Alereon, Inc	U9YHS6618A	8/27/2012 0:00 UWB	Wireless USB Dongle	3180.00000 4737.00000 15F
Alereon, Inc	U9YHS6618A	8/27/2012 0:00 UWB	Wireless USB Dongle	6347.00000 7907.00000 15F
Alereon, Inc	U9YHS6618A	8/27/2012 0:00 UWB	Wireless USB Dongle	7400.00000 8962.00000 15F
IDS GeoRadar Srl	UFWOPERADUO	6/6/2014 0:00 UWB	Ground Penetrating Radar	67.2000000 279.240000 15F
Geophysical Survey Systems,	QF7TERRAVISION	8/22/2003 0:00 UWB		30.0000000 628.800000 15F
Geophysical Survey Systems,	QF7MINIXT	3/28/2016 0:00 UWB	The StructureScan Mini XT is a GPR handheld analyzer	179.000000 237.000000 15F
Mala GeoScience AB (publ)	QLA2500MHZ	5/23/2006 0:00 UWB	Shielded 2.5 GHz Antenna	125.000000 238.000000 15F
Geophysical Survey Systems,	QF75100	12/3/2002 0:00 UWB	5100 Antenna	31.0000000 958.000000 15F
Geophysical Survey Systems,	QF750400	2/24/2009 0:00 UWB	50400 Antenna	35.4500000 213.100000 15F
Belkin International, Inc.	K7SF5U302DNGL	5/11/2007 0:00 UWB	Cable Free USB 2.0 Dongle	3100.00000 4800.00000 15F
Wireless 2000 RF & UWB Tec	WHQ20000310	12/29/2008 0:00 UWB	PAM 3000 Bed Sensor Panel	3400.00000 5000.00000 15F
Charles Machine Works Inc,	TIITQ-2150GR700	5/31/2005 0:00 UWB	Ground Penetrating Radar	151.060000 747.250000 15F
ABCO	Q48-AUHS-3190-AM	4/1/2014 0:00 UWB	UWB WIRELESS USB DONGLE	3168.00000 4752.00000 15F
Charles Machine Works Inc,	TIITQ-2150GR250	5/31/2005 0:00 UWB	Ground Penetrating Radar	114.100000 418.200000 15F
Wisair Inc.	RN2DV9100A	8/10/2005 0:00 UWB	UWB Transeiver Development Kit	3100.00000 4800.00000 15F
WiQuest Communications Inc.	TZQWQ110HMC	6/4/2008 0:00 UWB	Wireless USB HMC Module	3100.00000 4800.00000 15F
Pulse~LINK, Inc.	SUAPL3301	12/14/2007 0:00 UWB	UWB Modular Transmitter	3509.00000 4766.00000 15F
Geophysical Survey Systems,	QF73101A	11/8/2010 0:00 UWB	3101A Antenna	713.000000 909.170000 15F
Japan Radio Co Ltd.	CKENJJ-105	6/14/2011 0:00 UWB	Ground Penetrating Rader	895.000000 1249.00000 15F
Jiwumedia Co., Ltd.	YYQ-LBH-001	12/29/2010 0:00 UWB	UWB HOST	3168.00000 4752.00000 15F
Geophysical Survey Systems,	QF7MINIHR	12/28/2011 0:00 UWB	Ground penetrating radar	187.000000 265.000000 15F
Summit Semiconductor LLC	UA9TT2201	5/2/2008 0:00 UWB	FOCUS Enhancement Wireless USB Module TT2201	3100.00000 4800.00000 15F
Toshiba Corporation, Semicon	ZVZP42350TJ1	2/12/2015 0:00 UWB	TransferJet SD Memory Card J-01	4488.00000 4488.00000 15F
ABCO	Q48-AUVS-3190-DM	1/10/2014 0:00 UWB	UWB WIRELESS VGA DONGLE	3168.00000 4752.00000 15F
Toshiba Corporation, Semicon	ZVZ420U1TJ	3/11/2015 0:00 UWB	TransferJet USB Adapter	4470.00000 4470.00000 15F
Geophysical Survey Systems,	QF7270LL3P	11/2/2009 0:00 UWB	270LL3 PLUS	70.0000000 216.000000 15F
Geophysical Survey Systems,	QF7D50300800	12/11/2012 0:00 UWB	Ground Penetrating Radar Antenna	160.470000 627.040000 15F
Quanta Microsystems, Inc.	T5UUM100	11/30/2007 0:00 UWB	PCI Express Mini Card Module	3100.00000 4800.00000 15F
Flat Earth Inc.	2AEJO-PGC2661184	6/2/2016 0:00 UWB	Ground penetrating radar to measure snow depth	959.000000 2395.00000 15F
Red Point Positioning Corpora	2ADX4-RPPARNV4	12/23/2015 0:00 UWB	Real Time Location System	3494.40000 6489.60000 15F
Ubisense Limited	SEATAG21	8/14/2007 0:00 UWB	Ultra-wideband In-building Location System	6272.00000 8023.00000 15F
Camero USA	XUWX400LITE	11/27/2009 0:00 UWB	Xaver 400 LITE	2000.00000 6600.00000 15F
Pixie Technology	2ADBO-P1000	10/30/2015 0:00 UWB	PixiePoint tag (Indoor UWB system)	3743.60000 4243.20000 15F
Pixie Technology	2ADBO-P1000	10/30/2015 0:00 UWB	PixiePoint tag (Indoor UWB system)	4243.20000 4742.40000 15F
Pixie Technology	2ADBO-P1000	10/30/2015 0:00 UWB	PixiePoint tag (Indoor UWB system)	6240.00000 6739.60000 15F
HON HAI Precision Ind. Co., L	MCLT60H990	4/20/2007 0:00 UWB	Thinkpad Wireless USB HMC	3100.00000 4800.00000 15F
Geophysical Survey Systems,	QF75106	9/12/2002 0:00 UWB	5106 Antenna	60.0000000 270.000000 15F
Realtek Semiconductor Corp.	TX2RTU7105DWA1P	12/30/2008 0:00 UWB	UWB 1-P DWA	3100.00000 4800.00000 15F
General Atomics	SC9AEVK1	6/30/2005 0:00 UWB		3100.00000 7300.00000 15F

Alereon, Inc	U9YAL5612	8/18/2008 0:00 UWB	AL5612 4-Port Hub Module	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5612	8/18/2008 0:00 UWB	AL5612 4-Port Hub Module	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5612	8/18/2008 0:00 UWB	AL5612 4-Port Hub Module	7392.00000 8976.00000 15F
Alereon, Inc	U9YAL5616	4/14/2010 0:00 UWB	AL5616 Worldwide Wireless Dual Role USB Adapter	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5616	4/14/2010 0:00 UWB	AL5616 Worldwide Wireless Dual Role USB Adapter	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5616	4/14/2010 0:00 UWB	AL5616 Worldwide Wireless Dual Role USB Adapter	7392.00000 8976.00000 15F
Hanshin Information Technoloç	2ACIKHS6630WC	11/18/2014 0:00 UWB	UWB Wireless USB Dongle	3168.00000 4752.00000 15F
Eliko Tehnoloogia Arenduskes	2AF2IKIO4	7/1/2016 0:00 UWB	KIO positioning solution	3300.00000 4450.00000 15F
D Link Corporation	KA2UB1210B1	10/22/2007 0:00 UWB	Wireless USB Adapter	3100.00000 4800.00000 15F
SMK Corporation	GT3FC012	4/25/2011 0:00 UWB	Half-Mini Card size TransferJet module	4480.00000 4480.00000 15F
Summit Semiconductor LLC	UA9TT2301	5/9/2008 0:00 UWB	Focus Enhancement Wireless USB Module TT2301	3100.00000 4800.00000 15F
WiQuest Communications Inc.	TZQ110USB4HUB	10/30/2006 0:00 UWB	Wireless USB HUB	3100.00000 4800.00000 15F
U.S. Radar, Incorporated	OPLQ4-300	2/22/2016 0:00 UWB	Quantum Imager 2 Q4-300 Subsurface Imaging Systems	1000.00000 1751.00000 15F
U.S. Radar, Incorporated	OPLQ4-300	2/22/2016 0:00 UWB	Quantum Imager 2 Q4-300 Subsurface Imaging Systems	163.50000 1000.00000 15F
Alereon, Inc	U9YAL5705	8/27/2008 0:00 UWB	AL5705 PCI-e Express Card	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5705	8/27/2008 0:00 UWB	AL5705 PCI-e Express Card	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5705	8/27/2008 0:00 UWB	AL5705 PCI-e Express Card	7392.00000 8976.00000 15F
Sensors & Software Inc.	QJQ-PE-PRO-TLF-A	12/6/2004 0:00 UWB	GPR	17.0000000 202.000000 15F
Sensors & Software Inc.	QJQ-PE-PRO-TLF-A	12/6/2004 0:00 UWB	GPR	18.0000000 125.000000 15F
Sensors & Software Inc.	QJQ-PE-PRO-TLF-A	12/6/2004 0:00 UWB	GPR	19.0000000 79.0000000 15F
Ubisense Limited	SEAMOD21	12/9/2009 0:00 UWB	Location tracking tag module	6825.05000 7839.07800 15F
Accurate Locators Inc.	VNU-2GHZANT	11/19/2007 0:00 UWB	ZOND 12 2GHz Ground Penetrating Antenna	551.850000 1794.35000 15F
Camero Tech	A42X100F	1/31/2012 0:00 UWB	Xaver 100	2000.00000 6600.00000 15F
ATEN Technology, Inc., dba IC	QLE-GUW2015V	9/17/2008 0:00 UWB	WUSB VGA adapter	3100.00000 4800.00000 15F
Hilti Corporation	SDL-PS38R01	8/4/2011 0:00 UWB	Multidetector	2800.00000 5000.00000 15F
ABG TAG & TRAQ LLC	2AAXVTNTRFMOD1	6/5/2014 0:00 UWB	Ultra wide band RFID tag for indoor use only	5991.48000 6568.63400 15F
PLUS Location Systems USA	IZEH0913	1/31/2014 0:00 UWB	PLUS Transmit only UWB Tags	3100.00000 10600.0000 15F
PLUS Location Systems USA	IZEH0913	1/31/2014 0:00 UWB	PLUS Transmit only UWB Tags	3100.00000 10600.0000 15F
Ubisense Limited	SEATAG21HH	8/17/2007 0:00 UWB	UWB Tag (UBITAG7024)	6272.00000 8023.00000 15F
Sigma Designs Inc	D87-WINDEO	11/17/2008 0:00 UWB	Windeo Reference Desisign Module	3100.00000 4800.00000 15F
Artimi Ltd	S8S-A-180-PCBA012	1/21/2009 0:00 UWB	A-180-WUSB-MINI-RDK-F Wireless USB Mini Card	3100.00000 4800.00000 15F
Hanshin Information Technoloç	2ACIKHS6620WC	10/14/2014 0:00 UWB	UWB Module	3168.00000 4752.00000 15F
Hanshin Information Technoloç	2ACIK-HS6618U	6/11/2015 0:00 UWB	UWB Module	6336.00000 7920.00000 15F
Curtiss-Wright Controls Inc (3c	2AAH5GSMK4	8/8/2013 0:00 UWB	Geoscope Mk4	140.000000 3000.00000 15F
Mala GeoScience AB (publ)	QLA160MHZHDR	1/24/2014 0:00 UWB	Ground Penetrating Radar	34.2000000 202.000000 15F
Mala GeoScience AB (publ)	QLA750MHZHDR	1/24/2014 0:00 UWB	Ground Penetrating Radar	402.000000 624.000000 15F
Mala GeoScience AB (publ)	QLA800MHZ	10/23/2003 0:00 UWB		144.000000 1570.00000 15C
Alereon, Inc	U9YAL5730	3/4/2010 0:00 UWB	Wireless HDMI PC Extender	3168.00000 4752.00000 15F
Mala GeoScience AB (publ)	QLA450MHZHDR	5/18/2014 0:00 UWB	Ground Penetrating Radar	85.2000000 571.000000 15F
Mala GeoScience AB (publ)	QLASH1GHZ	4/21/2004 0:00 UWB	GPR	240.000000 1800.00000 15F
Sensors & Software Inc.	QJQ-NOGGIN1000	3/28/2003 0:00 UWB		328.000000 1717.00000 15F
Ubisense Limited	SEAUBITAG10-U	11/16/2004 0:00 UWB	Ubitag V1.0	5250.00000 7223.00000 15F
Ubisense Limited	SEAWATCH21	5/20/2013 0:00 UWB	UWB Watch Location Device	6626.00000 7307.10000 15F
Lastar, Inc.	WGK1PUWBHSTBG3	2/26/2010 0:00 UWB	UWB Wireless BG1/BG3 Host Adapter	3168.00000 4752.00000 15F
Lastar, Inc.	WGK1PUWBHSTBG3	2/26/2010 0:00 UWB	UWB Wireless BG1/BG3 Host Adapter	6336.00000 7920.00000 15F
Veebeam Limited	UQL-RC2-SC4402R	5/24/2010 0:00 UWB	RC2 Model WUSB Mini Card Module	3168.00000 4752.00000 15F

Xi'an Skye Intelligence Techno	2AHTB-20151012	7/20/2016 0:00 UWB	Tracker	3500.00000 4500.00000 15F
Murata Manufacturing Compar	HJY-LBUA0ZZKB1	2/11/2008 0:00 UWB	Wireless USB PCI-E Half Mini Card LBUA0ZZKB1-214	3100.00000 4800.00000 15F
Sensors & Software Inc.	QJQ-NOGGIN500	11/13/2002 0:00 UWB	NOGGIN 500	161.000000 781.800000 15F
D Link Corporation	KA2UB2240A1	8/16/2007 0:00 UWB	UWB D-Link HUB DUB-2240 A1	3100.00000 4800.00000 15F
Sony Corporation	AK8CXN5001	11/2/2009 0:00 UWB	Ultra Wideband Transmitter	4055.00000 4905.00000 15F
Alereon, Inc	U9YAL4512	6/27/2007 0:00 UWB	Wireless USB 4-port Hub	3100.00000 4800.00000 15F
Geophysical Survey Systems,	QF742000S	11/28/2011 0:00 UWB	Ground Penetrating Radar	544.000000 924.000000 15F
Robert Bosch Tool Corporatio	TXT-DTECT150A	7/25/2011 0:00 UWB	Wallscanner D-tect 150 Professional	1078.00000 3235.00000 15F
Geophysical Survey Systems,	QF75103A	2/12/2009 0:00 UWB	5103A Antenna	33.2400000 201.900000 15F
Geophysical Survey Systems,	QF75103A	2/12/2009 0:00 UWB	5103A Antenna	33.2400000 202.800000 15F
University of Houston	U7W400	3/12/2008 0:00 UWB	Ground Penetrating Radar	200.000000 460.000000 15F
Geophysical Survey Systems,	QF7MINISIR	11/2/2009 0:00 UWB	MINISIR	279.000000 2362.00000 15F
Japan Radio Co Ltd.	CKENJJ-200	1/23/2015 0:00 UWB	Handy Search	600.000000 3400.00000 15F
WiQwest Communications Inc.	TZQWQ110MC	8/9/2007 0:00 UWB	Wireless USB Mini Card Module	3100.00000 4800.00000 15F
Toshiba Client Solutions CO.,	ICJ6UPA3531UW	2/6/2007 0:00 UWB	PCI e-card	3100.00000 4800.00000 15F
Geophysical Survey Systems,	QF75101	4/1/2005 0:00 UWB	5101 GPR	212.563000 480.098000 15F
ABCO	Q48-AUHS-3190-A	1/18/2013 0:00 UWB	UWB Wireless USB Dongle	3168.00000 4752.00000 15F
Mala GeoScience AB (publ)	QLACART400	10/19/2004 0:00 UWB		35.0000000 593.000000 15F
Harris Corporation	BV8MASRAU0025	9/21/2005 0:00 UWB	UWB Automotive Radar Module	23564.0000 25137.0000 15F
IDS GeoRadar Srl	UFW-SRS-FW400	12/17/2009 0:00 UWB	Ground Penetrating Radar	75.5000000 580.400000 15F
Intel Corporation	V4EUWB3480MPE	6/6/2008 0:00 UWB	Intel Wireless UWB Link, Model 3480MPE	3150.00000 4800.00000 15F
Intel Corporation	V4EUWB3480MPE	6/6/2008 0:00 UWB	Intel Wireless UWB Link, Model 3480MPE	6860.00000 8000.00000 15F
Leica Geosystems AG	RFD-DS2000	7/19/2016 0:00 UWB	Ground Penetrating Radar	67.2000000 279.240000 15F
Sony Corporation	AK8CXN5100	3/8/2012 0:00 UWB	TransferJet Module	4200.00000 4760.00000 15F
Mala GeoScience AB (publ)	QLA1600MHZ	8/5/2004 0:00 UWB	GPR	250.000000 2000.00000 15F
Verity Studios AG	2AGUC-KDGXVA	2/10/2016 0:00 UWB	Verity Studios Kedge	3170.00000 7001.00000 15F
Geophysical Survey Systems,	QF7HANDYSCAN	3/19/2003 0:00 UWB		151.750000 2097.50000 15F
Geophysical Survey Systems,	QF7HANDYSCAN	3/19/2003 0:00 UWB		151.750000 2097.50000 15F
Mala GeoScience AB (publ)	QLA1200MHZ	4/4/2005 0:00 UWB	Shielded 1.2GHz Antenna	250.000000 1650.00000 15F
NDS Surgical Imaging	UEZTZ7110	3/26/2007 0:00 UWB	Ultra-Wideband evaluation kit	3.10000000 4.80000000 15F
Alereon, Inc	U9YAL6621	2/15/2011 0:00 UWB	Worldwide Wireless USB Side Device Radio Card	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL6621	2/15/2011 0:00 UWB	Worldwide Wireless USB Side Device Radio Card	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL6621	2/15/2011 0:00 UWB	Worldwide Wireless USB Side Device Radio Card	7392.00000 8976.00000 15F
Curtiss Wright/Vista Controls	Q5ZQUPID2003	4/18/2007 0:00 UWB	QUick reaction Perimeter Intrusion Detection	2094.00000 3116.00000 15F
GE Medical Systems, LLC	YYJ-5406102	7/22/2011 0:00 UWB	URP Radio Board	3168.00000 4752.00000 15F
GE Medical Systems, LLC	YYJ-5406102	7/22/2011 0:00 UWB	URP Radio Board	6336.00000 7920.00000 15F
LeCroy Corporation	U6ZUW005	12/31/2007 0:00 UWB	CATC5K UWB Analyzer/Exciser	3100.00000 4800.00000 15F
Japan Radio Co Ltd.	CKEHANDYSEARCH	12/21/2007 0:00 UWB	Ground penetrating radar	895.000000 1249.00000 15F
Sony Corporation	AK8UPAWU10R	8/8/2016 0:00 UWB	Wireless Print Receiver	7392.00000 8976.00000 15F
Alereon, Inc	U9YAL5720	4/1/2009 0:00 UWB	Worldwide Wireless USB Mini Docking Station	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5720	4/1/2009 0:00 UWB	Worldwide Wireless USB Mini Docking Station	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5720	4/1/2009 0:00 UWB	Worldwide Wireless USB Mini Docking Station	7392.00000 8976.00000 15F
Geophysical Survey Systems,	QF75103	11/19/2002 0:00 UWB	GPR with 5103 Antenna	19.8000000 48.7000000 15F
Sensors & Software Inc.	QJQ-CONQ-DE1	1/13/2006 0:00 UWB	Conquest, Model DE	84.0000000 2295.00000 15F
Mala GeoScience AB (publ)	QLA80MHZHDR	1/24/2014 0:00 UWB	Ground Penetrating Radar	65.9000000 169.000000 15F
WiQwest Communications Inc.	TZQWQ110HUB4	1/25/2008 0:00 UWB	Wireless USB 4-Port Hub	3100.00000 4800.00000 15F

TDC Acquisition Holdings Inc.	NUF-P440-A	1/27/2016 0:00 UWB	Ultra Wideband (UWB) radio transceiver	3272.00000 5014.00000 15F
Charles Machine Works Inc.	TIITQ-2150GRDUO	8/10/2007 0:00 UWB	Ground Penetrating Radar	57.0000000 415.000000 15F
Toshiba Corporation, Semicon	ZVZ420M1TJ	3/11/2015 0:00 UWB	TransferJet MicroUSB Adapter	4470.00000 4470.00000 15F
Audio-Technica Corporation	JFZMTU101	2/9/2007 0:00 UWB	Microphone	5610.00000 7232.00000 15F
Sensors & Software Inc.	QJQ-PE-PRO-HF250	10/5/2005 0:00 UWB	Ground Penetrating Radar	0.01000000 225.800000 15F
IDS GeoRadar Srl	UFW-STREAMX200	6/6/2011 0:00 UWB	Ground Penetrating Radar	54.0000000 256.000000 15F
Realtek Semiconductor Corp.	TX27305BG13HMCV4	8/26/2009 0:00 UWB	UWB half mini Card	3168.00000 4752.00000 15F
Realtek Semiconductor Corp.	TX27305BG13HMCV4	8/26/2009 0:00 UWB	UWB half mini Card	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5604	8/1/2008 0:00 UWB	Wireless USB Module	3168.00000 4752.00000 15F
Alereon, Inc	U9YAL5604	8/1/2008 0:00 UWB	Wireless USB Module	6336.00000 7920.00000 15F
Alereon, Inc	U9YAL5604	8/1/2008 0:00 UWB	Wireless USB Module	7392.00000 8976.00000 15F
TRX Systems, Inc.	BXOTU8U	8/1/2016 0:00 UWB	Portable Tracking Device	3699.00000 4301.00000 15F