

TITLE:
NIST List of Certified Devices

DATE:
02/07/2020

VERSION:
21.00

SYNOPSIS:

The Middle Class Tax Relief and Job Creation Act of 2012 (Act) [5] defined responsibilities for the National Institute of Standards and Technology (NIST) [1] in regards to the Nationwide Public Safety Broadband Network (NPSBN) and the First Responder Network Authority (FN) [2]. AT&T was awarded the contract by FN to partner with FN and to build the NPSBN. One requirement of the Act is that the Director of NIST shall ensure the development of a list of certified devices that meet appropriate protocols and standards for access to, use of, or compatibility with the NPSBN that FN and AT&T build and maintain. This requirement is carried out by the Public Safety Communications Research Division (PSCR) [3] of the NIST Communications Technology Laboratory. This document lists devices that have been certified to meet appropriate protocols and standards for access to, use of, or compatibility with the NPSBN that FN and AT&T build and maintain, in accordance with the process document: "Process Document for the NIST List of Certified Devices" [4]. **NIST does not test nor certify the devices.**

NOTE: If a device does not appear in the Active List sheet of this document, then the device has not been certified to meet appropriate protocols and standards for-use on the FN NPSBN. The NIST List of Certified Devices applies only to the NPSBN built and maintained by FN and AT&T, and does not apply to any other commercial network.

Version	Date	Author	Description
V0.01	01/16/2018	J. Kahn	Initial document template - no devices included on the list
V0.02	02/08/2018	J. Kahn	Updated the Synopsis on the cover sheet
V1.00	04/05/2018	J. Kahn	Initial version of the NIST List of Certified Devices
V1.01	06/11/2018	J. Kahn	Updates for May/June 2018 devices
V2.00	06/13/2018	J. Kahn	2nd Version of the NIST List of Certified Devices
V3.00	08/03/2018	J. Kahn	3rd Version of the NIST List of Certified Devices
V3.01	08/06/2018	J. Kahn	Updates for July 2018
V4.00	08/07/2018	J. Kahn	4th Version of the NIST List of Certified Devices
V4.01	09/06/2018	J. Kahn	Updates for August 2018
V5.00	09/11/2018	J. Kahn	5th Version of the NIST List of Certified Devices
V5.01	09/17/2018	J. Kahn	Updates for September 2018
V6.00	09/19/2018	J. Kahn	6th Version of the NIST List of Certified Devices
V6.01	11/02/2018	J. Kahn	Updates for October 2018 and minor typo corrections
V7.00	11/05/2018	J. Kahn	7th Version of the NIST List of Certified Devices
V7.01	12/03/2018	J. Kahn	Updates for November 2018
V8.00	12/04/2018	J. Kahn	8th Version of the NIST List of Certified Devices
V8.01	02/05/2019	J. Kahn	Updates for January 2019
V9.00	02/06/2019	J. Kahn	9th Version of the NIST List of Certified Devices
V9.01	03/08/2019	J. Kahn	Updates for February 2019
V10.00	03/11/2019	J. Kahn	10th Version of the NIST List of Certified Devices
V10.01	03/15/2019	J. Kahn	Correcting minor typos
V10.02	03/22/2019	J. Kahn	Adjusted page breaks and column widths
V10.03	04/01/2019	J. Kahn	Updates for March 2019
V11.00	04/02/2019	J. Kahn	11th Version of the NIST List of Certified Devices
V11.01	05/03/2019	J. Kahn	Updates for April 2019
V12.00	05/06/2019	J. Kahn	12th Version of the NIST List of Certified Devices
V12.01	06/03/2019	J. Kahn	Updates for May 2019
V13.00	06/04/2019	J. Kahn	13th Version of the NIST List of Certified Devices
V13.01	06/28/2019	J. Kahn	Updates for June 2019
V14.00	07/01/2019	J. Kahn	14th Version of the NIST List of Certified Devices
V14.01	08/02/2019	J. Kahn	Updates for July 2019
V15.00	08/06/2019	J. Kahn	15th Version of the NIST List of Certified Devices
V15.01	09/04/2019	J. Kahn	Updates for August 2019
V16.00	09/05/2019	J. Kahn	16th Version of the NIST List of Certified Devices
V16.01	10/11/2019	J. Kahn	Updates for September 2019
V17.00	10/15/2019	J. Kahn	17th Version of the NIST List of Certified Devices

Version	Date	Author	Description
V17.01	11/07/2019	J. Kahn	Updates for October 2019
V18.00	11/07/2019	J. Kahn	18th Version of the NIST List of Certified Devices
V18.01	11/26/2019	J. Kahn	Updates for November 2019
V19.00	12/03/2019	J. Kahn	19th Version of the NIST List of Certified Devices
V19.01	01/14/2020	J. Kahn	Updates for December 2019
V20.00	01/16/2020	J. Kahn	20th Version of the NIST List of Certified Devices
V20.01	02/06/2020	J. Kahn	Updates for January 2020
V21.00	02/07/2020	J. Kahn	21st Version of the NIST List of Certified Devices

References:

[1] NIST: <https://www.nist.gov/>

[2] FirstNet: <http://www.firstnet.gov/>

[3] PSCR: <https://www.nist.gov/communications-technology-laboratory-ctl/pscr>

[4] Process Document for the NIST List of Certified Devices: <https://www.nist.gov/publications/process-document-nist-list-certified-devices>

[5] Middle Class Tax Relief and Job Creation Act of 2012: <https://www.congress.gov/bill/112th-congress/house->

ACTIVE LIST SHEET

Entry	Device Manufacturer	Device Model	FCC ID	Date of Entry	Comments	Band 14 Support
1	Samsung	Galaxy S9 (SM-G960U)	A3LSMG960U	April 5, 2018	Smartphone	YES
2	Samsung	Galaxy S9+ (SM-G965U)	A3LSMG965U	April 5, 2018	Smartphone	YES
3	Netgear	MR1100-330	PY317200378	April 5, 2018	Hotspot	YES
4	Sonim	XP8 (XP8800)	WYPPG4032	April 5, 2018	Rugged Handheld	YES
5	Sonim	XP5s (XP5800)	WYPPG2132	April 5, 2018	Rugged Handheld	YES
6	Apple	iPhone 6S (A1633)	BCG-E2946A	April 5, 2018	Smartphone	NO
7	Apple	iPhone 6S Plus (A1634)	BCG-E2944A	April 5, 2018	Smartphone	NO
8	Apple	iPhone 7 (A1778)	BCG-E3091A	April 5, 2018	Smartphone	NO
9	Apple	iPhone 7 Plus (A1784)	BCG-E3092A	April 5, 2018	Smartphone	NO
10	Apple	iPhone 8 (A1905)	BCG-E3172A	April 5, 2018	Smartphone	NO
11	Apple	iPhone 8 Plus (A1897)	BCG-E3174A	April 5, 2018	Smartphone	NO
12	Apple	iPhone X (A1901)	BCG-E3175A	April 5, 2018	Smartphone	NO
13	Apple	iPad (9.7 inch) (A1954)	BCGA1954	April 5, 2018	Tablet	NO
14	Apple	iPad Pro (9.7 inch) (A1674)	BCGA1674	April 5, 2018	Tablet	NO
15	Samsung	Galaxy S8 Active (SM-G892A)	A3LSMG892A	April 5, 2018	Smartphone	NO
16	Samsung	Galaxy S8 (SM-G950U)	A3LSMG950U	April 5, 2018	Smartphone	NO
17	Samsung	Galaxy S8+ (SM-G955U)	A3LSMG955U	April 5, 2018	Smartphone	NO
18	Apple	iPad Mini 4 (A1550)	BCGA1550	June 7, 2018	Tablet	NO
19	Apple	iPad Air 2 (A1567)	BCGA1567	June 7, 2018	Tablet	NO
20	Apple	iPad Pro (12.9 in) (A1652)	BCGA1652	June 7, 2018	Tablet	NO
21	Apple	iPad Pro (12.9 in) 2nd Gen (A1671)	BCGA1671	June 7, 2018	Tablet	NO
22	Apple	iPad Pro (10.5 inch) (A1709)	BCGA1709	June 7, 2018	Tablet	NO
23	Apple	iPad Pro 5th Gen (A1823)	BCGA1823	June 7, 2018	Tablet	NO
24	Apple	iPhone 6 Plus (A1522)	BCG-E2817A	June 7, 2018	Smartphone	NO
25	Apple	iPhone 6 (A1549)	BCG-E2816A	June 7, 2018	Smartphone	NO
26	Apple	iPhone SE (A1662)	BCG-E2945A	June 7, 2018	Smartphone	NO
27	Motorola Mobility	Moto G6 Play (XT-1922)	IHDT56XB1	June 7, 2018	Smartphone	YES
28	Samsung	Galaxy Note 8 (SM-N950U)	A3LSM950U	June 7, 2018	Smartphone	NO
29	Samsung	Galaxy J3 (SM-J337A)	A3LSMJ337A	June 7, 2018	Smartphone	YES
30	LG	V35 ThinQ (LM-V350AWM)	ZNFV350A	June 7, 2018	Smartphone	YES
31	TCL Communications	BlackBerry KEYone (BBB100-1)	2ACCJN016	June 7, 2018	Smartphone	NO
32	Samsung	Galaxy S7 Edge (SM-G935a)	A3LSMG935a	August 3, 2018	Smartphone	NO
33	Samsung	Galaxy S7 (SM-G930a)	A3LSMG930a	August 3, 2018	Smartphone	NO
34	Samsung	J7 (SM-J737a)	A3LSMJ373a	August 3, 2018	Smartphone	YES
35	Samsung	Galaxy S7 Active (SM-G891a)	A3LSMG891a	August 3, 2018	Smartphone	NO
36	Sierra Wireless	MG90 LTE-A Pro	N7NEM75S	August 3, 2018	IVR/Trunk Modem	YES
37	LG	K30 (LM-X410AS)	ZNFX410AS	August 3, 2018	Smartphone	YES
38	LG	G6 (H871)	ZNFH871	August 6, 2018	Smartphone	NO
39	Cradlepoint	MC400-600M-C	N7NEM75S	August 6, 2018	Other	YES
40	Sierra Wireless	MP70 LTE-A Pro	N7NEM75S	August 6, 2018	IVR/Trunk Modem	YES
41	Motorola Solutions	LEX L11n	AZ489FT7104	August 6, 2018	Rugged Handheld	YES
42	Samsung	Gaaxy Note 9 (SM-N960u)	A3LSMN960U	September 5, 2018	Smartphone	YES
43	LG	V20 (H910)	ZNFH910	September 5, 2018	Smartphone	NO
44	Samsung	Galaxy Tab S4 (SM-T837A)	A3LSMT837a	Septmber 18, 2018	Tablet	YES
45	Samsung	Galaxy A6 (SM-A600a)	A3LSMA600A	Septmber 18, 2018	Smartphone	YES
46	LG	Q Stylo+ (LM-Q710WA)	ZNFQ710WA	Septmber 18, 2018	Smartphone	YES
47	Apple	iPhone XS (A1920)	BCG-E3218A	Septmber 18, 2018	Smartphone	YES
48	Apple	iPhone XS MAX (A1921)	BCG-E3219A	Septmber 18, 2018	Smartphone	YES
49	Geotab	GO8 LTE M14Q2F	NKRM18Q2	November 2, 2018	Other	NO
50	Apple	iPhone XR (A1984)	BCG-E3220A	November 2, 2018	Smartphone	YES
51	LG	G5 (H820)	ZNFH820	November 2, 2018	Smartphone	NO
52	LG	V40 (LM-V405UA)	ZNFV405UA	November 2, 2018	Smartphone	YES
53	LG	K20 (M255)	ZNFM255	November 2, 2018	Smartphone	NO
54	Samsung	Galaxy Tab A (SM-T387AA)	A3LSMT387AA	November 2, 2018	Tablet	YES
55	Netgear	AC797S	PY318300421	November 2, 2018	Hotspot	YES

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Entry	Device Manufacturer	Device Model	FCC ID	Date of Entry	Comments	Band 14 Support
56	Apple	iPad Pro (11 in) (A2013)	BCGA2013	November 2, 2018	Tablet	YES
57	Apple	iPad Pro (12.9 in) (A2014)	BCGA2014	November 2, 2018	Tablet	YES
58	Dell	Latitude 14 Rugged 5420	MCLT77W968	November 30, 2018	Laptop	YES
59	Sierra Wireless	MP70	N7NMC7455	November 30, 2018	IVR/Trunk Modem	NO
60	Cradlepoint	IBR900LP6	UXX-S5A643A	November 30, 2018	IVR/Trunk Modem	NO
61	Cradlepoint	MC400LP6	N7NMC7455	November 30, 2018	Other (Modem-USB)	NO
62	Dell	Latitude 14 Rugged 5424	MCLT77W968	November 30, 2018	Laptop	YES
63	Dell	Latitude 14 Rugged Extreme 7424	MCLT77W968	November 30, 2018	Laptop	YES
64	Cradlepoint	MC400-1200M	RI7LM960	November 30, 2018	Other (Modem-USB)	YES
65	Cradlepoint	IBR1700-1200M	RI7LM960	November 30, 2018	IVR/Trunk Modem	YES
66	Cradlepoint	IBR900-1200M	RI7LM960	November 30, 2018	IVR/Trunk Modem	YES
67	Cradlepoint	AER2200-1200M	RI7LM960	November 30, 2018	IVR/Trunk Modem	YES
68	Pepwave	MAX-HD4-LTEA	N7NEM755	February 5, 2019	IVR/Trunk Modem	YES
69	Sierra Wireless	MG90	N7NMC7455	February 5, 2019	IVR/Trunk Modem	NO
70	Getac	S410	N7NEM755	February 5, 2019	Laptop	YES
71	Getac	V110	QYLEM7511V	February 5, 2019	Laptop	YES
72	Digi International	WR54-A246	N7NEM755	March 8, 2019	IVR/Trunk Modem	YES
73	Samsung	Galaxy S10e (SM-G970U)	A3LSMG970U	March 8, 2019	Smartphone	YES
74	Samsung	Galaxy S10 (SM-G973U)	A3LSMG973U	March 8, 2019	Smartphone	YES
75	Samsung	Galaxy S10+ (SM-G975U)	A3LSMG975U	March 8, 2019	Smartphone	YES
76	Cradlepoint	AER2200-600M	RI7LM940	March 8, 2019	IVR/Trunk Modem	NO
77	Cradlepoint	IBR900-600M	RI7LM940	March 8, 2019	IVR/Trunk Modem	NO
78	Cradlepoint	IBR1700-600M	RI7LM940	March 8, 2019	IVR/Trunk Modem	NO
79	Kyocera	DuraForce Pro 2 (E6920)	V65E6920	March 8, 2019	Rugged Handheld	YES
80	Cradlepoint	IBR1100LP6	UXX-S4A542A	April 1, 2019	IVR/Trunk Modem	NO
81	Digi International	WR54-A146	N7NEM755	April 1, 2019	IVR/Trunk Modem	YES
82	Panasonic	CF-54	N7NEM7455	April 1, 2019	Laptop	NO
83	Geotab	GR8 LTE (M14Q2F)	NKRM18Q2	April 1, 2019	Other	NO
84	Getac	F110	QYLEM7511F	April 1, 2019	Tablet	YES
85	Dell	Latitude 7400 2 in 1	MCLT77W968	April 1, 2019	Laptop	YES
86	Utility Associates	RocketIoT-XLE	N7NEM755	April 1, 2019	IVR/Trunk Modem	YES
87	Panasonic	FZ-M1	ACJ9TGW16D	April 1, 2019	Laptop	NO
88	Panasonic	CF-20	ACJ9TGW16B	April 1, 2019	Laptop	NO
89	Panasonic	CF-31	N7NEM7455	April 1, 2019	Laptop	NO
90	Panasonic	CF-33	N7NEM7455	April 1, 2019	Laptop	NO
91	Panasonic	FZ-G1	ACJ9TGW16D	April 1, 2019	Tablet	NO
92	Apple	iPad Mini 5 (A2126)	BCGA2126	April 1, 2019	Tablet	YES
93	Apple	iPad Air 3 (A2153)	BCGA2153	April 1, 2019	Tablet	YES
94	LG	G8 (LM-G820UM)	ZNFG820UM	May 2, 2019	Smartphone	YES
95	Samsung	Galaxy View2 (SM-T927A)	A3LSMT927a	May 2, 2019	Tablet	YES
96	Panasonic	CF-54 EM7511	N7NEM755	May 2, 2019	Laptop Module = Sierra Wireless EM7511	YES
97	Panasonic	CF-33 EM7511	ACJ9TGW18A	May 2, 2019	Laptop Module = Sierra Wireless EM7511	YES
98	Sonim	XP3 (XP3800)	WYPPG2212	May 2, 2019	Rugged Handheld	YES
99	Samsung	Galaxy J2 (SM-J260a)	A3LSMJ260a	May 2, 2019	Smartphone	YES
100	Samsung	Galaxy Fold (SM-F900U)	A3LSMF900U	May 2, 2019	Smartphone	YES
101	Zebra	TC77HL-CA-NFC	UZ7TC77HL	May 2, 2019	Rugged Handheld	YES
102	Zebra	TC57HO-CA-NFC	UZ7TC57HO	May 2, 2019	Rugged Handheld	YES
103	Sierra Wireless	RV55 LTE-A Pro NA	N7NEM755	June 3, 2019	IVR/Trunk Modem Module = Sierra Wireless EM7511	YES
104	Cradlepoint	IBR600C-150M	XMR201808EC25AF	June 3, 2019	IVR/Trunk Modem Module = Quectel EC25-AF(D) MINIPICIE	YES
105	Cradlepoint	CBA550-150M	XMR201808EC25AF	June 3, 2019	Other Module = Quectel EC25-AF(D) MINIPICIE	YES

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Entry	Device Manufacturer	Device Model	FCC ID	Date of Entry	Comments	Band 14 Support
106	Cradlepoint	IBR650C-150M	XMR201808EC25AF	June 3, 2019	IVR/Trunk Modem Module = Quectel EC25-AF(D) MINIPCIE	YES
107	Siyata Mobile	UV350	2AOCX-UV350	June 3, 2019	Other	YES
108	Klas Telecom	TRX-R2	N7NEM75S	June 28, 2019	Other Module = Sierra Wireless EM7511	YES
109	Klas Telecom	TRX-R Modem Carrier Board	N7NEM75S	June 28, 2019	Other Module = Sierra Wireless EM7511	YES
110	Geotab	GO9 LTE M14Q2F	NKRM18Q2	June 28, 2019	Other Module = Wistrom NeWeb M14Q2F	NO
111	Nokia	7705 SAR-Hm/3HE11600AA	N7NMC7455	August 2, 2019	IVR/Trunk Modem Module: Sierra Wireless MC7455	NO
112	Getac	K120 (EM7511)	QYLEM7511K	August 2, 2019	Tablet Module: Sierra Wireless EM7511	YES
113	Zebra	iX101L3	Q2GEM75U	August 2, 2019	Tablet Module: Sierra Wireless EM7511	YES
114	Getac	UX10 (EM7511)	QYLEM7511U	August 2, 2019	Tablet Module: Sierra Wireless EM7511	YES
115	Zebra	iX125R2	Q2GEM75U	August 2, 2019	Tablet Module: Sierra Wireless EM7511	YES
116	Advanced Electronic Design	URC-1	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
117	Samsung	SM-A102U (Galaxy A10e)	A3LSMA102U	August 2, 2019	Smartphone	YES
118	Pepwave	MAX-TST-Mini	R17LE910CxNF	August 2, 2019	Other Module: Telit Wireless Solutions LE910C4-NF	YES
119	Pepwave	MAX-BR1-ENT-LTEA	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
120	Pepwave	MAX-TST	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
121	Pepwave	MAX-HD2-LTEA	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
122	Pepwave	MAX-HD4-MBX-LTEA	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
123	Pepwave	MAX-HD2-M-LTEA	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
124	Dell	Latitude 7300	MCLT77W968	August 2, 2019	Laptop Module: Foxconn T77W968	YES
125	Dell	Latitude 7400	MCLT77W968	August 2, 2019	Laptop Module: Foxconn T77W968	YES
126	Getac	A140 (EM7511)	QYLEM7511A	August 2, 2019	Tablet Module: Sierra Wireless EM7511	YES
127	Pepwave	MAX-HD2-DOM-M-LTEA	N7NEM75S	August 2, 2019	Other Module: Sierra Wireless EM7511	YES
128	Samsung	Galaxy SM-N975U (Note 10+)	A3LSMN975U	August 28, 2019	Smartphone	YES
129	Samsung	Galaxy SM-N970U (Note 10)	A3LSMN970U	August 28, 2019	Smartphone	YES
130	LG	LM-X420AS (K40)	ZNFX420AS	August 28, 2019	Smartphone	YES
131	Inseego	MC800/USB800 (Fathom)	PKRISGMC800	August 28, 2019	Other	YES
132	Zebra	RTL10B1	UZ7RTL10B1	August 28, 2019	Tablet	YES
133	LG	LM-X320AA (Prime 2)	ZNFX320AA	August 28, 2019	Smartphone	YES
134	Getac	VR-X20 (EM7511)	N7NEM75S	August 28, 2019	IVR/Trunk Modem Module: Sierra Wireless EM7511	YES
135	TCL Communication (Alcatel)	4052R (Allure 3)	2ACCJN031	August 28, 2019	Other	YES
136	Dell	Precision 7540 (T77W968)	MCLT77W968	August 28, 2019	Laptop Module: Foxconn T77W968	YES
137	Flextronics	FT750-L430-GL (EC25-AF(D))	XMR201808EC25AF	August 28, 2019	Other Module: Quectel EC25-AF(D)	YES

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Entry	Device Manufacturer	Device Model	FCC ID	Date of Entry	Comments	Band 14 Support
138	Axon	AX1023 (Body 3)	X4GAB7610	August 28, 2019	Other Module: Sierra Wireless WP7610	YES
139	Panasonic	FZ-55 EM7511	N7NEM75S	October 2, 2019	Laptop Module: Sierra Wireless EM7511	YES
140	Apple	A1975 (Watch Series 4 40mm)	BCG-A1975	October 2, 2019	Other	NO
141	Apple	A1976 (Watch Series 4 44mm)	BCG-A1976	October 2, 2019	Other	NO
142	Apple	A2094 (Watch Series 5 40mm)	BCG-A2094	October 2, 2019	Other	NO
143	Apple	A2095 (Watch Series 5 44mm)	BCG-A2095	October 2, 2019	Other	NO
144	Apple	A2111 (iPhone 11)	BCG-E3309A	October 2, 2019	Smartphone	YES
145	Apple	A2160 (iPhone 11 Pro)	BCG-E3305A	October 2, 2019	Smartphone	YES
146	Apple	A2161 (iPhone 11 Pro Max)	BCG-E3306A	October 2, 2019	Smartphone	YES
147	Cradlepoint	MC400-1200M-B	RI7LM960	October 2, 2019	Other Module: Telit Wireless Solutions LM960A18	YES
148	Cradlepoint	IBR900-1200M-B	RI7LM960	October 2, 2019	IVR/Trunk Modem Module: Telit Wireless Solutions LM960A18	YES
149	Cradlepoint	IBR1700-1200M-B	RI7LM960	October 2, 2019	IVR/Trunk Modem Module: Telit Wireless Solutions LM960A18	YES
150	Cradlepoint	AER2200-1200M-B	RI7LM960	October 2, 2019	IVR/Trunk Modem Module: Telit Wireless Solutions LM960A18	YES
151	Zebra	ET56DE	Uz7ET56DE	October 2, 2019	Tablet	YES
152	Samsung	SM-T727A (Galaxy Tab S5e)	A3LSMT727U	October 2, 2019	Tablet	YES
153	Dell	Latitude Rugged 7212	N7NEM7455	October 2, 2019	Laptop Module: Sierra Wireless EM7455B	NO
154	Apple	A2200 (iPad 7th Gen)	BCGA2200	October 2, 2019	Tablet	YES
155	Pepwave	MAX-BR1-Mini	RI7LE910CxNF	October 2, 2019	Other Module: Telit Wireless Solutions LE910C4-NF	YES
156	LG	LM-Q720AM (Stylo 5+)	ZNFQ720AM	November 7, 2019	Smartphone	YES
157	Pepwave	EXM-3LTEA-R	N7NEM75S	November 7, 2019	Other Module: Sierra Wireless EM7511	YES
158	Motorola Solutions	APX NEXT	AZ489FT7119	November 7, 2019	Rugged Handheld	YES
159	LG	LM-G850UM (G8x ThinQ)	ZNFG850UM	November 7, 2019	Smartphone	YES
160	Dell	Latitude 7220 Rugged Extreme	MCLT77W968	November 7, 2019	Tablet Module: Foxconn T77W968	YES
161	Harris	XL-PFM2M-ANG (XL-200P)	OWDTR-0145-E	November 7, 2019	Rugged Handheld Module: Sierra Wireless EM7511	YES
162	Harris	XS-PFS2M-NA (XL-185P)	OWDTR-0145-E	November 27, 2019	Rugged Handheld Module: Sierra Wireless EM7511	YES
163	Microsoft	1876 (Surface)	C3K1876	November 27, 2019	Tablet	YES
164	Panasonic	FZ-N1EB	ACJFZN1D	January 14, 2020	Rugged Handheld	YES
165	Cubic Defence	68664/LTENAF-B	XMR201808EC25AF	January 14, 2020	Other Module: Quectel EX25-AF(D) MINIPCIE	YES
166	Dell	7220EX Rugged Extreme Tablet (T77W968)	MCLT77W968	February 6, 2020	Tablet Module: Foxconn T77W968	YES
167	Getac	B360 (EM7511)	N7NEM75S	February 6, 2020	Laptop Module: Sierra Wireless EM7511	YES
168	Advantech B+B Smartworx	ICR-3200 LTE Router (ICR-3200 (D), OWL-4G)	XMR201808EC25AF	February 6, 2020	Other Module: Quectel EC25-AF(D)	YES
169	GE MDS	Orbit MCR (4Gb)	N7NEM75S	February 6, 2020	Other Module: Sierra Wireless EM7511	YES
170	GE MDS	Orbit MCR (4Gy)	N7NMC7455	February 6, 2020	Other Module: Sierra Wireless MC7455	NO

EXPIRED LIST SHEET

Entry	Device Manufacturer	Device Model	FCC Equipment Authorization ID	Date of Termination	Date of Initial Entry	Reason for Termination	Comments
NA							