

Cross Reference Matrix for Justification of Data Reuse.

The FCC ID's and Reports noted in this table represent the original certification and testing performed on the Aruba APIN0303 WiFi Access Point. Since the electronics/PCB from this product are integrated into the Astronics Sierra IFE without the Aruba electronics being changed, much of the original test data noted in this table is used to support the equipment authorization for the Astronics Sierra IFE.

Reference Device	FCC ID	Test Laboratory	Report No.	Rpt Issued	Rule Part	Range (MHz)	Technology	Reference Data Review and Comments
Aruba APIN0303	Q9DAPIN0303	MRT Technology (Suzhou) Co., Ltd	1711TW0103-U1&2	11/19/2017 12/30/2017	15.247	2402-2480	WLAN 802.11b/g/n & BT [2.4GHz]	This report(s) provides test data for the original Aruba APIN0303.
Aruba APIN0303	Q9DAPIN0303	MRT Technology (Suzhou) Co., Ltd	1711TW0103-U3	11/15/2017	15.407	5180-5240 5745-5825	WLAN 802.11a/n/ac [UNII Band I, III]	This report provides test data for the original Aruba APIN0303.
Aruba APIN0303	Q9DAPIN0303	MRT Technology (Suzhou) Co., Ltd	1711TW0103-U7	11/15/2017	15.407	5260-5320 5500-5720	WLAN 802.11a/n/ac [UNII Band II, II-Ext]	This report provides test data for the original Aruba APIN0303.
Aruba APIN0303	Q9DAPIN0303	MRT Technology (Suzhou) Co., Ltd	1710TW0103-U8	2/13/2018	15.407 (h)(2)	5260-5320 5500-5720	DFS WLAN 802.11a/n/ac [UNII Band II, II-Ext]	This report provides test data for the original Aruba APIN0303.
A variant of the APIN0303 is also certified by Aruba Networks identified as the APINP303. It uses the same Qualcomm RF Chipset Model: IPQ4019 and DFS waveform detection mechanism, unchanged from previous Aruba systems. This information is included in the analysis to illustrate that the same Qualcomm chipset used in different Aruba products are equally compliant with respect to DFS performance. The same results should be expected for the Sierra IFE.								
Aruba APINP303	Q9DAPINP303	MRT Technology (Suzhou) Co., Ltd	1810TW0102-U5	2/13/2018	15.407 (h)(2)	5260-5320 5500-5720	DFS WLAN 802.11a/n/ac [UNII Band II, II-Ext]	This report illustrates continued DFS compliance when re-tested in a variant of the original Aruba system.
The FCC ID's and Reports noted in this table represent the spot check testing performed on the Sierra IFE that incorporates the Aruba APIN0303. Since the electronics/PCB from the APIN0303 are integrated into the Astronics Sierra IFE without the Aruba electronics being changed, only radiated spot check testing is performed to support the equipment authorization for the Astronics Sierra IFE. In every case all spot check testing identifies passing results.								
New Device	FCC ID	Test Laboratory	Report No.	Rpt Issued	Rule Part	Range (MHz)	Technology	
Sierra IFE	2AL4H-E71314	Elite Electronic Engineering	1904684-01	12/18/2019	15.247	2402-2480	WLAN 802.11b/g/n & BT [2.4GHz]	Spot checks of spurious radiated emissions performed 802.11b 1Mbps Ch 1,6,11 802.11n20 MCSO Ch 11 802.11n40 MCSO Ch3/6/9 802.11n40 MCSO BF Ch9

Sierra IFE	2AL4H-E71314	Elite Electronic Engineering	1904684-02	11/15/2017	15.407	5180-5240 5745-5825	WLAN 802.11a/n/ac [UNII Band I, III]	Spot checks of spurious radiated emissions performed 802.11a Ch 36/44/48/149/157/165 802.11n20 Ch 149/157/165
Sierra IFE	2AL4H-E71314	Elite Electronic Engineering	1904684-02	11/15/2017	15.407	5260-5320 5500-5720	WLAN 802.11a/n/ac [UNII Band II, II-Ext]	Spot checks of spurious radiated emissions performed 802.11a Ch 52/60/64/100/120/140 802.11ac20 Ch 100/120/140 802.11ac40 Ch 54/62 802.11ac80 Ch 58 802.11n20 BF Ch 52/60/64
Sierra IFE	2AL4H-E71314	Elite Electronic Engineering	2002106-01	4/16/2020	15.407 (h)(2)	5260-5320 5500-5720	DFS WLAN 802.11a/n/ac [UNII Band II, II-Ext]	Additional spot check testing for DFS was performed for DFS. Transmit at 5300MHz (Channel 60), 802.11ac, 20MHz bandwidth Transmit at 5290MHz (Channel 58), 802.11ac, 80MHz bandwidth