Date:4.20.2022

Federal Communications Commission Office of Engineering and Technology Equipment Authorization Division 7345 Oakland Mills Road Columbia, Maryland21046

Subject: FCC Class II Permissive change for FCC ID: <u>2AJYU-8PYA002</u> (Model:

SIM7600SA-H/SIM7600SA-H mini PCIE)

To Whom It May Concern,

This is to request a Class II Permissive change for FCC ID: <u>2AJYU-8PYA002</u> (Model: SIM7600SA-H) granted on 05/08/2019.

The Major change filed under this application is as below, otherwise are identical.

The detail difference			
ltem	Original device (product no.:S2-108C3)	Improved device (product no.:S2-1094T)	
PA	SKY77912-61 SKY77638-11	S2916-51 S5643-51	
diversity	support	Not Support	

There are two distinctions As shown in the above table,

Distinction1: the PA model has changed from SKY77912-61&SKY77639-11 to S2916-51&S5643-51;

- (1) The new PAs are pin-for-pin compatible.
- (2) The new PAs have the same basic function as the old PAs, from an external perspective (internal circuitry may differ).
- (3) No change in radio parameters has occurred.
- (4) The same conditions apply when a small area (approximately the same area as the chip) of the PCB is replaced with an equivalent chip.

Distinction2: **Original device** Supports diversity reception, but **Improved device** doesn't. These diversity reception elements have been removed , but all other PCB layout and components are same with original application.



BOM of DIV elements:

U1400	RTC8618DX	0.1 – 3.8GHZ SP8T 2.0*2.0*0.6 RO
U1500	SAFFB881MAN0F0A	SAW RX B5 50R/50R 1.1*0.9 RO
U1501	SAFFB942MAN0F0AR15	SAW RX B8 50R/50R 1109 RO
U1502	SAFFB2G14AA0F0A	SAW DRX FOR B1 1.1*0.9MM RO
U1503	SAFFB2G35AA0F0A	SAW B40 RX 50/50R 1109 RO
U1504	SAFFB780MAA0F0A	SAW RX B28 50/50R 1109 RO
U1505	SAFFB1G84AB0F0AR15	SAW RX B3 50R/50R 1109 RO
U1506	SAFFB1G96AB0F0AR15	SAW RX B2 50R/50R 1109 RO
U1507	SAFFB2G65AA0F0A	SAW RX B7 50/50R 1109 RO
C1402	CC0201JRNPO8BN101	CAP NPO 100PF ±5% 25V CH0201 RO
L1400	HK0603 56NJ-T	IND 56NH +/-5% 3R 50MA CH0201 RO
L1401		NC
R1400	RC0201JR-070RL	RES MF 0R +/-5% 1/20W CH0201 RO
C1500	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
C1501	C0201C0G101J250NTA	CAP C0G 100PF +/5% 25V CH0201 RO
C1502	MLG0603P1N0BTZ10	IND HQ 1NH +/-0.1NH CH0201 RO
C1503	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
C1504	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
C1505	LQP03TN1N8B02D	IND HIGH 1.8NH +/-0.1NH CH0201 RO
C1506	C0201C0G330J250NTA	CAP C0G 33PF ±5% 25V CH0201 RO
C1507	C0201C0G330J250NTA	CAP C0G 33PF ±5% 25V CH0201 RO
C1508	LQP03TN1N8B02D	IND HIGH 1.8NH +/-0.1NH CH0201 RO
C1511	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
C1512	SDCL0603Q1N0BT02B01	IND HQ 1NH +/-0.1NH CH0201 RO
C1515	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
C1519	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
C1520	C0201C0G220J500NTA	CAP C0G 22PF ±5% 50V CH0201 RO
L1500	SDCL0603Q18NHT02B01	IND HIGH 18NH +/-3% CH0201 RO
L1501	LQP03TN3N3B02D	IND HIGH 3.3NH +/-0.1NH CH0201 RO
L1502	LQP03TN2N7B02D	IND HIGH 2.7NH +/-0.1NH CH0201 RO
L1504	LQP03TN2N2B02D	IND FILM HQ 2.2NH ±0.1NH 220MACH0201 RO
L1505	LQP03TN3N3B02D	IND HIGH 3.3NH +/-0.1NH CH0201 RO

L1507	LQP03TN3N0B02D	IND FILM 3.0NH +/-0.1NH CH0201 RO
L1508	LQP03TN3N3B02D	IND HIGH 3.3NH +/-0.1NH CH0201 RO
L1515	LQP03TN18NH02D	IND HIGH 18NH +/-3% CH0201 RO
L1516	LQP03TN18NH02D	IND HIGH 18NH +/-3% CH0201 RO
L1517	LQP03TN1N5B02D	IND HQ 1.5NH ±0.1NH CH0201 RO
L1518	LQP03TN1N8B02D	IND HIGH 1.8NH +/-0.1NH CH0201 RO
L1519	LQP03TN1N5B02D	IND HQ 1.5NH ±0.1NH CH0201 RO

Based on this change, all our projects have been retested. For details, please refer to the relevant test report.

Thank you. Sincerely,

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