



Class II Permissive Change Request Letter

Date: 2020/2/18

FEDERAL COMMUNICATIONS COMMISSION
Authorization and Evaluation Division
7435 Oakland Mills Rd
Columbia MD 21046-1609
U.S.A.

To whom it may concern,

We, **Laird Connectivity** would like to confirm that the product with FCC ID: SQG-MSD45N (Grant date: (09/15/2015) has further modification, main function has been changed.

- PCB materials and Balun change
Circuitry and dielectric are not changed. Function of Balun is BL1005-AVR2450T and BL1608-AVT2450
- Diplexer 2nd source change.
Pin to Pin compatible with original component and same product specification.
- Add channel 120 , 124 , 128 by software setting
- Add antennas as below and additional antennas do not impact to original DFS test result.

Brand / Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
			2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
SAA / MG7018-41-000-R	Dipole	UFL	1.87	0.85	0.6	0.94	0.92
SAA / MG7324-41-000-R	Dipole	UFL	1.32	1.04	1.6	2.75	2.24
EMF2449A1-33UFL	PCB Dipole	UFL	0.8	3.3	3.3	3.3	3.3



A handwritten signature in dark ink, appearing to read "Bill Steinike", positioned above a horizontal line.

Bill Steinike,
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Laird Connectivity
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