



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 black ink, appearing to read "Bill Steinike", positioned above a horizontal line.

Bill Steinike,
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