

**12<sup>th</sup> January 2021****Plumis Limited**  
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UB6 7DZ**F.A.O.:** Andrew Peek  
**Email:** [andrew@plumis.com](mailto:andrew@plumis.com)  
**Product:** Radio Module  
**Original Project Reference:** TRA-051685-01 i5,6 GU-PLUQ-0001**FCC TCB EVALUATION OF SPECIFIED HOSTS INTEGRATING RADIO MODULE WITH FCC ID:  
QOQMGM111**

Dear Andrew,

We have reviewed the application for FCC certification of two Plumis devices containing radio module certified under FCC ID QOQMGM111 (Spray Head & Smoke Alarm). Based on the documentation submitted to us (including test results, as per test reports TRA-051685-45-00A, TRA-051685-45-01A, TRA-051685-45-02A); our findings are that Plumis are able to proceed with integration of this module into the specified end devices under a FCC Class I permissive change, as per FCC ID 178919 D01 v06. This means that no additional formal FCC certification is required, Plumis should keep all details on file (such as test reports and this letter). Our assessment is based on all of the following conditions being adhered to by Plumis when integrating the module certified under FCC ID QOQMGM111 into the specified end devices.

1. All grant conditions are met:
  - 1.1. Output power verification results show slightly lower power than on grant.
  - 1.2. Spurious emissions results show no degradation.
  - 1.3. RF Exposure - SAR test exemption calculation and MPE calculations show no degradation.
  - 1.4. No additional transmitters co-located in the host, for which a multi-transmitter assessment would need performing. This is the only radio in the host.
2. The firmware change is restricted in nature:
  - 2.1. Supporting only one of the channels of the original submission.
  - 2.2. Main focus of the firmware change is regarding security aspects.
  - 2.3. With the exception of 1.1. and 2.1. above, there are no changes which affect the radio emissions (modulation, bandwidth).
3. No hardware changes to the module.
4. Module integrated per installation instructions.

Please note that Plumis still have the option to carry out a new original submission for FCC certification of their end devices if desired.

Yours sincerely,



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