

RE: Siemens VDO Automotive
FCC ID: MEN5WY7130

Response to Reviewers questions:

1) The EUT was tested to < 1 GHz, but the test equipment list in the report does not show what antenna was used > 1 GHz.

The Ridge-horn antenna (300-5000MHz) was used for $f > 1$ GHz. We missed putting an 'X' in Table 2.1.

2) From the internal photographs, it appears that the antenna trace may extend to the external connector. However, additional cabling external to the unit does not appear to have been used during testing. Please provide rationale for not testing with an external connection.

This receiver will not use an external antenna. There will not be a connection made to the interface pin where the PCB antenna trace terminates. To avoid a possible, but improbable, violation of the Authorization, we propose that a restriction on the Grant be stated, such as "for use with internal PCB antenna only".

3) Please note that when measurements above 1 GHz are made, that both peak and average measurements should normally be provided, unless the peak measurements meet the average limit. Please comment on the peak to average ratio seen for this device.

We measured all peak values of emissions. In the test report, Section 5, we justify the reason for applicability of PK measurement to QP and AVE limits. In our case, the PK measurements met the average limits, hence the AVE measurement was not made.

For receivers such as here, emissions, if any, are noise-like and for such the PK-to-AVE ratio is typically 12 dB (measured 12.9 dB at 1.4 GHz for noise).