

RE: Netgear, Inc.
FCC ID: PY3HA311

1) The block diagram shows an optional 2nd antenna. Please note that the only antenna that will be approved with this product is the antenna documented in the filing. For any changes or addition of new antennas that have not been approved, the Grantee will have to file a Class II permissive change to approve the new antenna. Currently, the device with any other antennas other than the internal ones will be considered unauthorized equipment. The Grant will be conditional on acceptance of these terms. Please comment.

Response: The customer will only be using one antenna. Please mention this on the grant as a condition to the manufacturer. Please refer to internal photos that show only one port on the PCB.

2) Please provide information to show compliance with 15.407(c) & (g).

Response: The Theory of Operation with this information was mis-located. Correct documents have been uploaded.

3) The limit applied on page 20 & 45 (of 61) states -24.0 dBm. If the gain of the antenna was +3 dBi, shouldn't this limit be -30.0 dBm.

Response: Report has been corrected. Uploaded revised report.

4) What does the note on page 55 of 61 "shielding on rear of PCB" refer to. Is this a modification? Note that page 58 of 61 discusses a modification, but the summary page 8 of 19 does not discuss any modifications.

Response: Report has been corrected. Uploaded revised report.

5) The reading at 10507.82 MHz on page 57 of 61 shows a 0.1 dB margin. The restricted band limit was applied but this frequency is not a restricted band. Please explain. (Also the 10428.48 MHz on page 56 seems to have applied the incorrect limit). This may affect the summary given on pages 54.

Response: Customer wished to use the most stringent limit.

6) Please explain the peak that occurs at about 13 MHz in the conducted data that is over the limit.

Response: The 13 MHz is an ambient, due to our lab performing AC conducted emissions at the Open area sites, we tend to get ambients. Plots have been label to show what was the EUT emissions and ambients (E= corresponsce to EUT emission, A=corresponsce to Ambient)

7) FYI, The spectral density result (page 4 of 61) for the 5.15-5.25 GHz band should be -6.3 dBm.

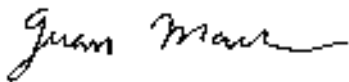
Response: Report has been corrected. Uploaded revised report.

8) FYI, The peak excursion result (page 7 of 19) should match the worse case data on page 29 of 61.

Response: Report has been corrected. Uploaded revised report.

Hopefully this answers all of your questions. Please contact me via doc@elliottlabs.com if you require more information.

Regards,

A handwritten signature in black ink that reads "Juan Martinez". The signature is written in a cursive style with a long horizontal flourish at the end.

Juan Martinez
Sr. EMC Engineer