

Re: FCC ID QLA250MHZ  
Applicant: Mala GeoScience AB (publ)  
Correspondence Reference Number: 24431  
731 Confirmation Number: EA586775

Dear Sirs,

The answers to your questions was sent from our test lab directly to Mr. Leimer.

The two test reports that our test lab refers to below was uploaded on your web with the description "Test report" (TR-020128) and "test report 2" (TR-020200).

Answers from our test lab follows:

Dear Mr Leimer.

This is a quick response to your questions below that I just received.

1) The plot you are referring to (page 13 in Test Report TR020200) is only shown to verify were the listed frequencies describing the -10 dB points data on page 12 come from. There is no demand in the FCC documents to do additional measurements to verify the definitions according to 15.503 (a-d) and 15.509 (a). Measurements to show compliance with 15.509 (d) have been performed up to 5 GHz.

2) The plot and data indicate that the measurements are corrected for non-linearity. In the measurement procedures described in 5.2.2 of the above mentioned test report it is written "The diagrams show the peak field strength from these sweeps." the plots indicate frequency versus field strength (dBμV/m). This can only be achieved by applying the correction factors for the measurement equipment used.

3) Using the same test procedures as described in 5.1.2 of the above mentioned test report for the measurement below 960 MHz would NOT be in compliance with 15.509 (d). These measurements have been reported and shown to comply with the limits according to test report TR-020128 uploaded to your site.

Best regards.

Petter Gärdin  
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*1) The -10 dB plot only goes to 1 GHz. Part 15.521(h) indicates that the upper measurement frequency is  $F_c + 3/(\text{pulse width in seconds})$ . This is approximately 2 GHz. Submit this data.*

*2) The -10 dB plot and radiated emissions data plots do not indicate that they are corrected for non-linearities in the system (amplifier gain, antenna factors, etc.). How was this achieved? Submit new corrected plots and data as necessary.*

*3) Submit radiated emissions plots or data for frequencies below 960 MHz using the same test procedure described in 5.1.2 of the new Test Report using QP detector for frequencies below 960 MHz.*