

To: Joe Dichoso
FCC Application Processing Branch
From: Steve Crompton
Tait Electronics Ltd.

Dear Mr Dichoso,

This covering letter is in response to your e-mail dated 22 May 2001, EA 100042, FCC ID CASTEL0054, correspondence reference number 19366.

Question:

The new test report indicate testing at 26 Watts. This is below the output power in the EMC report.

Answer:

The transmit power was re-measured at 26 watts immediately before performing MPE tests. The power in the EMC report (measured on a different occasion) was 28.8 watts. The difference is smaller than the Laboratory measurement uncertainty. As a check, it is also within a 'typical' measurement uncertainty window of +/-13.2% (example from TIA/EIA 603 page 271).

Question:

Also, the MPE report indicates that the maximum power can be 5 W above 25 Watts for a total of 30 Watts. The MPE tests must be done at the maximum power. In this case, it is 30 Watts. Supply tests at 30 Watts and correct users guide and installation guide if needed.

Answer:

The transmitter power level has been reset to 30 Watts and the measurements repeated. The results are uploaded with this letter. The results are well inside the limit so no changes to the User's Guide and Installation Guide have been made.

- MPE report 1621BMPE

will be up-loaded with this letter.
Best Regards

Steve Crompton.