

TIMCO ENGINEERING INC.

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16 February 2001

FCC

SUBJECT: MITSUBISHI ELECTRIC CORPORATION
BGBHS-U747

FCC ID:

TO WHOM IT MAY CONCERN,

We had questions for this applicant about the levels of the sidebands and their response is attached below.

It appears to be properly justified. Our questions were as follows;

On page 29 of 36 of the test report with the EUT on Channel 3 the test report states an emission at 56.65MHz of a level of 42.8dBuV with a limit of 39.5dBuV, please explain.

On page 29 of 36 of the test report with the EUT on Channel 4 the test report states an emission at 62.65MHz of a level of 43.6dBuV with a limit of 39.5dBuV, please explain.

Sincerely,

Sid Sanders

Date Feb.14, 2001

To TIMCO Engineering Inc. Fax#+1 352.472.2030

Dear Sid Sanders-SAN

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From F. Nagaoka/ Ikoma Testing Lab/KEC Fax#+81 743.79.1014

SUBJECT MITSUBISHI ELECTRIC Corp. FCC ID:BGBHS-U747

We have received your FAX letter(Ref.JOB#:91J1) for FCC ID:BGBHS-U747“MITSUBISHI”on February 13, 2001.

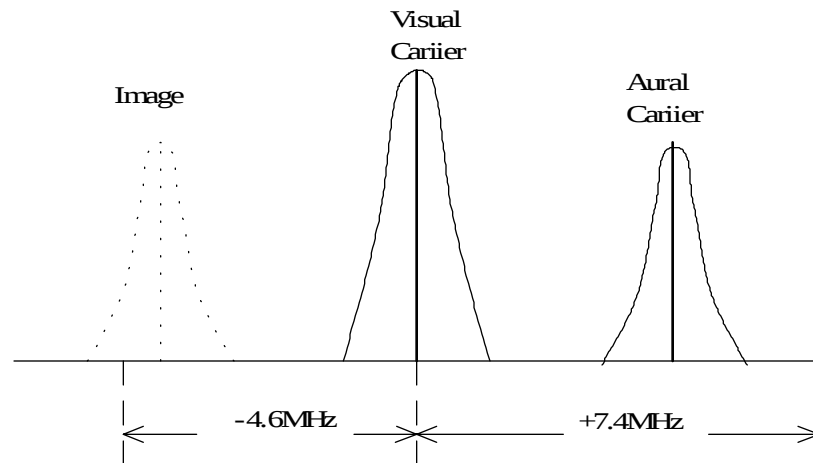
We consider that you point out the level data of 56.65MHz at the Test Channel #3 and 62.65MHz at the Test Channel #4 with the bandwidth of 100kHz exceed the limit regarding the test results of “Output Terminal Conducted Spurious Emission Measurement” on the page 29 of the test report (A-051-00-C).

Our view of the subject is as follows.

The measured frequency in “Output Terminal Conducted Spurious Emission Measurement” is -4.6MHz or less or $+7.4\text{MHz}$ or over from the Visual carrier frequency. The ranges of the measured frequency at the Test Channel #3 are 30MHz to 56.65MHz and 65.75MHz to 1000MHz.

When the image of the Aural carrier frequency is 56.75MHz, the level data of the measuring boundary frequency, 56.65MHz depend on the image of the Aural carrier frequency and the characteristics of the IF Filter of the spectrum analyzer.

Therefore, when measuring the level of the measuring boundary frequency of 56.65MHz, the level data with the IF Filter band width of 30kHz reduced from 100kHz are also mentioned to show that the center frequency of the image of the Aural carrier frequency is out of the measurement bandwidth.



The level data of 14.7dB V at **56.65MHz and 17.7dB V at **62.65MHz with IF Filter of 30kHz are mentioned on the page 29 of the test report (A-051-00-C). The level data are decreased considerably by reducing the IF Filter band width to 30kHz from 100kHz showing that the center frequency is out of the measurement range. Therefore, we conclude there is no problem about the results.

Please refer to [Note] (1) in the page 29.of Test Report #A-051-00-C.

We have reported this subject using the same means of measurement and we consider that FCC understands it. [Reference : 1.Ref.Standard ANSI C63.4-1992 Section 12.2.5 and Appendix H.

2.See the FCC Labs engineer Mr.George Tannahill]

If you have any questions, please do not hesitate to contact us.

Best regards,

Fumitoshi Nagaoka
Associate Director
Ikoma Testing Lab./KEC
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