

Jan 20, 1999

To: Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills road
Columbia, MD 21046

From: Michael Murphy
mike_murphy@dtccom.com
DTC Communications Inc.
75 Northeastern Blvd.
Nashua, NH 03062

Attention: Joe Dichoso

Reference: FCC: H25VTX250

Correspondence Reference Number: 5081

731 Confirmation Number: EA91981

Subject: Questions regarding DTC Communications Inc. VTX250 Microwave Transmitter Type Acceptance.

Dear Mr. Dichoso:

The following information is presented in response to Betty Taube's Fax of January 19, 1999, which relays Joe Dichoso's e-mail of December 12, 1998, which was not received by DTC due to an E-mail address problem.

1. Justification of requested emission of 16M0F8W. Submit necessary bandwidth (2M+2D) calculation, where M is the maximum modulating frequency and D is the maximum deviation.

COMMENT: M = 4 MHz, D = 4 MHz; (2D + 2M) = 16 MHz (16M0)

2. DTC requested an output power of 250 mW. The test report shows that the maximum output power is 355 mW (25.5 dBm). Please clarify and correct accordingly.

COMMENT: We correctly stated our maximum output power as 250 mW, however the unit under test was incorrectly adjusted above this limit and this was missed both by the test house and myself. 250mW is the stated output power in our literature. Our technicians are instructed to tune the VTX250 to 250 mW + 0 / - 0.5 dB on the bench by the VTX250 Tune Up Procedure. Note that 355 mW is less than the 5Watt maximum under 47 CFR Part 90.205(l) and that the UUT passed spurious at the higher power level.

We look forward to an expeditious review of the comments presented and a granting of Type Acceptance for DTC. If you have any questions or we can be of any assistance in this matter, please call me at (800) 233-8639 , FAX at (603) 880- 6965 or e-mail me at mike_murphy@dtccom.com.

Sincerely,

Mike Murphy
RF/Video Applications Engineer

