

Response to Sept 3, 2007 communication

Hi Bill,

Thanks for your input on H25HVT-250-S application, hopefully I can clear matters up and justify measurement procedures.

- 1.) As far as the 731 form is concerned I will review it, make any corrections and resubmit. I probably just missed that part of the form.
- 2.) The measurement of power for this type of emission is being done with a thermocouple power head (HP 8481A) which is **not** video bandwidth sensitive.
- 3.) In regard to Spectrum Analyzer parameters for the measurement of COFDM transmissions, let me refer to file FCC_COFDM_res_BW.pdf that was uploaded. In brief, the Analyzer is using a narrow RBW because of the fact that the individual transmitted carriers are only separated by 5.874 KHz. This is the widest bandwidth that will isolate the last carrier.
- 4.) In regard to the tune up procedure and as already stated in the HVT250-S tune up procedure all adjustments are software controlled. Power is monitored using thermocouple power heads of the type described above in Eng. and Production. I updated tune-up procedure, found a couple of errors in previous upload.

Steve Russell
Sr. Eng. RF Tech.
DTC Communications Inc.