

- The dwell time at any particular frequency during testing is less than 10 seconds
- The power levels being transmitted during testing are low (.5 kW ERP max)
- The transmitting antenna will be in close proximity to ground level, which will greatly limit the range of the transmitted signal, and will be located in the center of Caterpillar property
- The transmitted signal will have a very narrow bandwidth (2 kHz max), which in itself reduces potential interference to television stations
- We propose to make these narrowband transmissions 2 kHz above the bottom of the channel edge, so as to further minimize interference potential to analog and digital TV stations
- Preliminary interference studies have shown that the probability of interference to the stations in question will be extremely low (see attached technical documentation)

Detailed technical information about our proposed operation, along with preliminary interference analysis, is attached.

If this request seems reasonable, we respectfully request that you sign at the bottom of this document where indicated and return a copy to the undersigned via facsimile and mail.

Thank you for your consideration. Please contact me if you have any questions about Caterpillar's proposed RF immunity testing.

Sincerely,

Andy Knitt
 Cat Electronics Advanced Engineering
 knitt_andrew_a@cat.com
 309-578-2724 Phone
 309-578-1383 Fax

REQUESTED CONSENT GRANTED:

By: A. C. Ellis
 Title: C.H. Eng W48CK
 Date: 5/2/07