

## ***Interactive comment on “Inter-channel uniformity of a microwave sounder in space” by Martin Burgdorf et al.***

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This is comment for Dr. Burgdorf's reply: Thanks for your reply. I think your reply is clear and adequate to address my concerns. Expect to read next revised version. "Smear effect" is when instrument is in scan mode while satellite is in motion, the actual beam width will be different from the antenna beam width measured in ground test. The impact is that it makes effective Field of View (EFOV) become larger than instant Field of View (IFOV), which make the scene become more "blurring". Test results show that for G band, the beam width increment due to smear effect can be as large as 60%.

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Discussion paper

