

## Review of amt-2019-100-version3

The manuscript is improved from the previous version. Minor, mostly technical revision is recommended.

Page 11, Figure 3: The notation is slightly off, fractal particles are in panels (a-f) and homogeneous spheroids are in (g-i).

Page 16, line 5: The “ $DWR_{35-94}$ ” should be “ $DWR_{35-95}$ ”.

Page 19, line 12: The “affect” should be “affected”.

Page 19, line 16: Rearrange the order of words, “measurements assimilated” should be “assimilated measurements”.

Page 25, lines 10 and 31: You probably meant to reference Fig. 11 (11d) instead of Fig. 5 (5d).

Page 27, lines 5-6: Fig. 13c is the PSD shape parameter, you meant Fig. 13e, which is  $D_0$ . Also I don't see which lower values of  $DWR_{35,95}$  you are referring to, with respect to what? Add some range to the statement. Be consistent with the previous notation, “ $DWR_{35,95}$ ” should be “ $DWR_{35-95}$ ”.

Page 28, line 12: Fig. 13 should be Fig 13b.

Page 29, Figure 13: 10-94 GHz should be 10-95 GHz, and also 10-35 GHz should be 10-35 GHz. Also, the PSD shape parameter  $\mu$  should be -1 instead of 1.