

Roberto Macchi - RE: Short-term analysis of France contribution : Position SUI

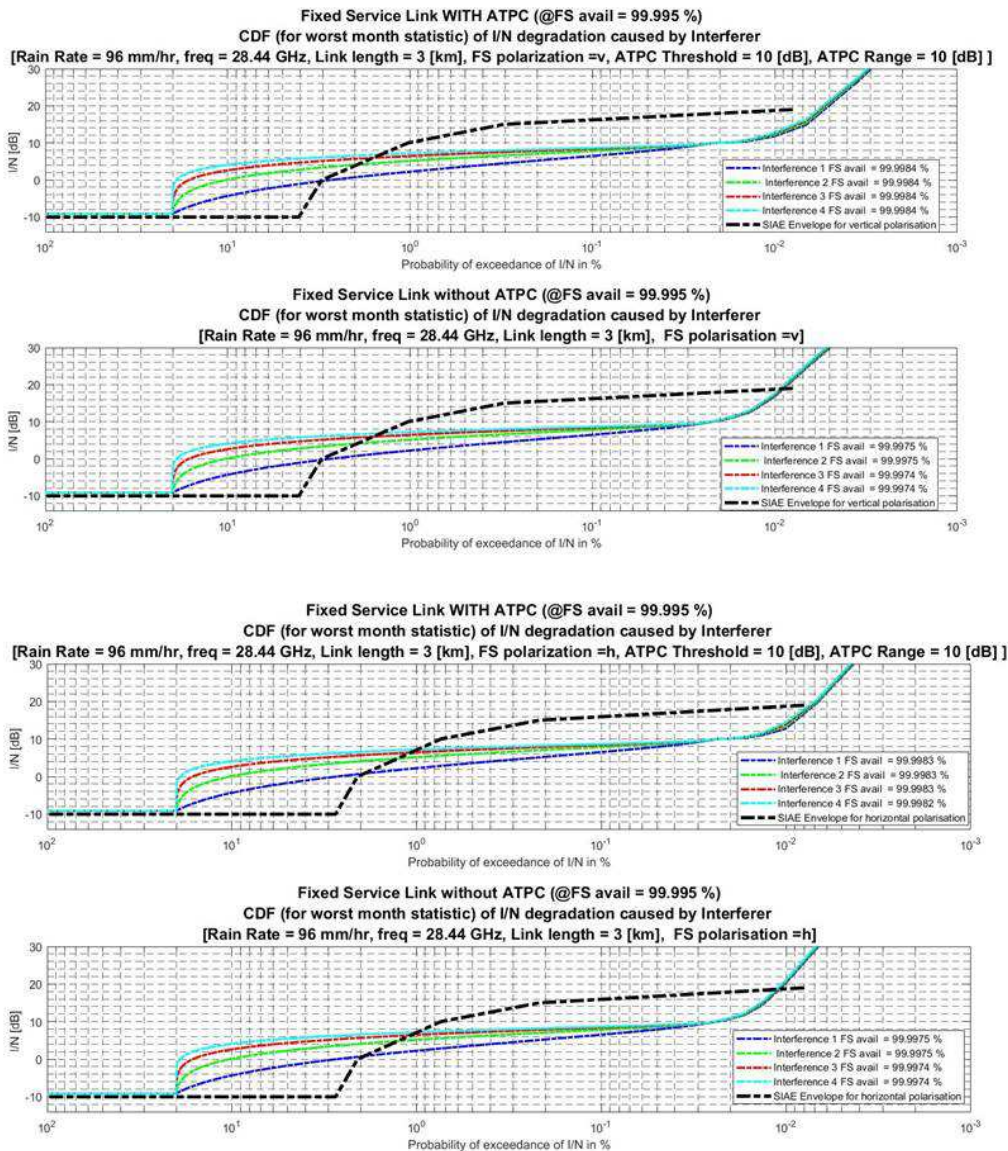
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To: <Roberto.Macchi@siaemic.com>
Date: 25/06/2019 15:59
Subject: RE: Short-term analysis of France contribution : Position SUI

Hello Roberto,

Now that I'm back in my office, I could have a look at your e-mail more in detail.

Concerning the short term analysis discussion, I have the followings comments :

- a) The France contribution (SE19(19)015A01) is covering the "rain dominant" propagation factor, I don't see a contribution for the "multipath dominant" propagation factor.
- b) SIAE contribution addresses both « rain dominant » and « multipath dominant » propagation factor.
- c) I've put the results of the 2 approaches for 28 GHz on the same graph (I've only plotted the SIAE envelop for H/V polarization, and redraw the curve CDF vs $\Delta C/N$ in terms of CDF vs I/N for worst month statistics)
 Here are the results for H/V polarization.



Clearly both proposal show different behaviour depending on the probability exceedance range considered. An integration of the 2 approaches for the "rain dominant" propagation factor would be welcome.

- d) I think that frequencies range around 11 GHz where both "rain and multipath" are non-negligible should be also considered, but has not been done until now.
- e) rather than further revision of F.758, it might be easier to propose a "new" Recommendation (e.g. F.[Short-Term]). : I would have suggested to make a "Technical report" to be later on either integrated to F.758 or translated into a new recommendation.

Feel free to send this e-mail to the SE19 reflector.

Best regards. Antonio

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Objet : Short-term analysis of France contribution

Dear Josch, All,

at last, after WP5C and other ETSI HS problematics, I had the opportunity of considering in detail the France contribution on short-term.

I believe that, with the opportune clarification and improvement/addition of "explanation text", the method proposed may be a valid substitute of the previous Siae examples.

I attach my comments on top of the France contribution (SE19(19)015A01) for your consideration and that might be basis for the dedicated session on next October SE19 meeting.

Obviously, any discussion during this long interim period would be welcome.

In particular, I draw your attention to the fact that F.758 was approved by last WP5C meeting and likely to be confirmed at next SG5. Therefore, as I have discussed with some delegate in WP5C, rather than further revision of F.758, it might be easier to propose a "new" Recommendation (e.g. F.[Short-Term]).
Administration views on this aspect would be welcome.

Kind regards
Roberto