

RF Spectrum Ad Hoc – Minutes January 8, 2013

Provided the IEEE-SA Patent Policy link. Everyone on the call was familiar with the patent policy.

- <https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

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Presentation on “OFDM TX Shaping for 802.3bn”

Leo Montreuil

Which values of alpha and CP make sense?

It depends on use case. If there is no in-band legacy system you may not need much shaping, but if there is an in-band exclusion zone, you may need more shaping.

There was some discussion of the size of exclusion zones. Leo showed some simulations with exclusion zones on the channel edges and also within the channel.

Does the receiver need to autodetect the value of alpha?

The receiver does not need to know the value of alpha. It does need to autodetect the CP duration, and the FFT size if there is more than one.

We will need to look at non-linear PA in the future. These simulations are with a linear PA.

Attendance

Person	Affiliation
Michel Allard	Cogeco Cable
Edward Boyd	Broadcom
Alan Brown	Aurora
Hesham ElBakoury	Huawei
Jim Farmer	Aurora Networks
Marek Hajduczenia	ZTE
Mark Laubach	Broadcom
Phil Miguelez	Motorola
Leo Montreuil	Broadcom
Christian Pietsch	Qualcomm
Bill Powell	Alcatel Lucent
Saif Rahman	Comcast
Duane Remein	Huawei
Steve Shellhammer	Qualcomm
Joe Solomon	Comcast
Tom Staniec	Cohere Communications
Nicola Varanese	Qualcomm
Tom Williams	CableLabs
Scott Willy	M-Star
Peter Wolff	Titan Photonics