RF Spectrum Ad Hoc – Minutes November 27, 2012

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

Discuss exclusion sub-bands rules.

For ingress noise we also have control with the bit loading, so we do not have to rely totally on exclusion sub-bands to deal with ingress.

Cable plant pilots are between channels. There are also some fixed modulated signals which we need to work around, in addition to the cable pilots.

An alternative method for specifying exclusion sub-bands would be to specify the start and stop index for the exclusion sub-band, instead of having them be multiples of 2 MHz.

Should separate the idea of exclusion zones and bit loading, since for bit loading we will need to probe to test the channel. Exclusion zones are known frequencies to avoid, probably based on known legacy services.

Exclusion sub-bands are configured, while bit loading is adaptive.

Contiguous spectrum (say 24 MHz) supports the PHY Link and also has pilots in known structure.

China would like to be able to support 64 MHz channel (Eight 8-MHz channels). There is concern about the 192 MHz channel could cost more so they may want a simple 64 MHz channel.

With 64 MHz channel there is no way to meet the 1 Gb/s.

Attendance

Person	Affiliation
Edward Boyd	Broadcom
Alan Brown	Aurora
Hesham ElBakoury	Huawei
Marek Hajduczenia	ZTE
Curtis Knittle	CableLabs
Mark Laubach	Broadcom
Benny Lewandowski	CTDI
Leo Montreuil	Broadcom
Michael Peters	Sumitomo Electric
Christian Pietsch	Qualcomm
Bill Powell	Alcatel Lucent
Duane Remein	Huawei
Steve Shellhammer	Qualcomm
Nicola Varanese	Qualcomm
Ron Wolfe	Aurora Networks