

## RF Spectrum Ad Hoc – Minutes January 15, 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>

Everyone on the call was familiar with the IEEE patent policy.

Reviewed presentation entitled “A Mercifully Brief Discussion of Sub-band Characteristics” by Jim Farmer. Jim was not on the call so we went through it the presentation without him.

Discuss the type of ingress. There may be more LTE than ham radio ingress.

It was pointed out that dynamic profile adjustment is of concern.

Some discussion on the bandwidth of 2 MHz is sufficient resolution. Some others are looking at much smaller bandwidth of exclusion sub-bands.

Some people are considering 4 to 8 sub-carriers, which is much finer than 2 MHz.

It was suggested using 4 or 8 subcarriers (for a 4k FFT), which corresponds to 200 kHz or 400 kHz.

The granularity we have today is 6 MHz (DOCSIS). Today the smallest bandwidth 160 KBAUD DOCSIS system is 200 kHz, which is in the upstream.

We could keep a list of the parameters that affect the sub-band size.

- Complexity of indexing sub-bands
- Resolution of exclusion control

Sub-band size of 200 kHz and we could then limit exclusion sub-bands could be limited to a minimum of say 5 sub-bands.

We updated the recommendations to the TF on exclusion sub-bands, in the R5 version of the Open Issues list.

### Attendance

Person	Affiliation
Michel Allard	Cogeco Cable
Alan Brown	Aurora
Hesham ElBakoury	Huawei
Ramdane Krikeb	Videotran
Mark Laubach	Broadcom
Leo Montreuil	Broadcom
Christian Pietsch	Qualcomm
Bill Powell	Alcatel Lucent
Duane Remein	Huawei
Steve Shellhammer	Qualcomm