RF Spectrum Ad Hoc – Minutes October 23, 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

High-Band EPoC Deployment Scenarios

Bill Powell & Randy Sharpe (Alcatel-Lucent)

- Added a filter before the amplifier to avoid overloading the amplifier
- John Ulm asked about the CLT since the figure showed an OCU and not a CLT. Bill pointed out that the OCU is being used as a network element.
- Mark Laubach mention now that the CableLabs EPoC project has been initiated and they will specify the OCU, we can use the OCU term in the IEEE
- Dave Barr pointed out that China also uses high-band TDD and maybe the slides could be updated to show TDD in the high band
- John Ulm asked about 860 MHz as the amplifier cutoff frequency. Some cable plants are 750 and some are 1000 MHz. Maybe you can indicate different diplexer frequencies
- John asked about the case where the EPoC downstream is in the upper band do we need the high-band diplexer.
- Bill pointed it depends how you add in the EPoC in the downstream due to signal power levels and maintaining SNR
- John suggested that the high-band diplexer should be marked to show that it may not be required in some cases.
- John asked if the top figure on Slide 4 is only for the In-line OCU case.
- Bill said that this figure shows what you would need to add outside the amplifier. You could integrate them into a future amplifier.
- John agreed there are a number of implementations.
- In the bypass OCU there can be significant loss for the signal before being received at the OCU
- Ed mention that in the DOCSIS deployments is often right next to the HFC downstream.
- Bill said that is more like the figure on Slide 4.
- We discussed what the Chinese MSOs might be using in their cable plants
- Bill will be showing an expanded version of this presentation in China

Attendance

Person	**Affiliation**
Dave Barr	Entropic
Edward Boyd	Broadcom
Avi Kliger	Broadcom
Mark Laubach	Broadcom
Lup Ng	Cortina
Christian Pietsch	Qualcomm
Bill Powell	Alcatel Lucent
Steve Shellhammer	Qualcomm