

RF Spectrum Ad Hoc – Minutes May 7, 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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Discussion on TDD Bandwidth Needs (Saif)

Want to sell a 1 Gb/s services (tier rate) in a service group

With 192 MHz channels, this leads to 2 or more channels

Two channels is the lowest an operator will want and some operators will want three

For business services, want symmetrical services, so they would want similar services for the upstream

The network rate needs to be two to three times the offered service. This rule-of-thumb depends on the operator.

Q: Is that two or three, or three or more channels?

A: Considering China and US, my answer would be two. If cost was not an issue, than three would be my answer

Q: Are these two 192-MHz channels?

A: Yes, this assumes approximately 1.6 Gb/s per a 192-MHz channel

Q: Is this for TDD?

A: Yes

One channel is out of the question

I would be more comfortable with two channels, if the generational problem is solved.

Q: What is the Comcast position?

A: I am doing my own analysis, and the numbers have not been fully reviewed. So this is just my opinion.

The minimum number of channels needs to be two.

Q: Are you suggesting that the standard not support single-channel TDD

A: Yes. This is based on the assumption that the standard uses one large channel, composed of several 192-MHz channels

C: This does not address the generational issue

C: I think single-channel devices need to be supported in the standard

C: Just because the CNU supports two channels, you do not need to use both of them

C: In the burst mode, you could run at two different data rates in the upstream, a different rate during each burst time.

Q: How would the CLT know that?

A: It's all based on TQs, so the burst would be different durations

Q: Why is this approach only applicable in the upstream?

A: It's a burst mode thing

C: I do not see how these two requirements (single channel and multiple channels) coexist

Brief discussion on the ePolls

Can you make that a calendar appointment?

The chair will look into that idea.

Attendance

Person	Affiliation
Edward Boyd	Broadcom
Jim Farmer	Aurora Networks
Bill Keasler	Ikanos
Mark Laubach	Broadcom
Leo Montreuil	Broadcom
Michael Peters	Sumitomo Electric
Bill Powell	Alcatel Lucent
Saif Rahman	Comcast
Duane Remein	Huawei
Steve Shellhammer	Qualcomm