RF Spectrum Closing Report

Steve Shellhammer (Qualcomm)

EPON over Coax

RF Spectrum Motions

- Motions on several topics based on RF Spectrum Ad Hoc Straw Polls
  - Center Frequency Resolution
  - Exclusion Sub-bands
  - Frequency Bands

- In cases where there was not a strong consensus in the Ad Hoc, a Task Force Straw Poll is included in these slides
  - These are included toward the end of the slides

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Motion #n

- The granularity for setting the Center Frequency (fc) of the RF Channel should be 1 MHz

- Move: Steve Shellhammer
- Second: Duane Remein

- Yes:
- No:
- Abstain:

Motion #(n+1)

- The EPoC system should be capable of communicating an upper bound of the RF spectrum of 5 GHz

- Move: Steve Shellhammer
- Second: Duane Remein

- Yes:
- No:
- Abstain:

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Motion #(n+2)

- Downstream and upstream exclusion sub-bands are to be configured in both the CLT and CNU by MDIO

- Move: Steve Shellhammer
- Second: Duane Remein

- Yes:

- No:

- Abstain:

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Motion #(n+3)

- The downstream and upstream exclusion sub-band configuration can be communicated from the CLT to the CNU over the PHY Link Channel

- Move: Steve Shellhammer
- Second: Duane Remein

- Yes:
- No:
- Abstain:

Motion #(n+4)

- The PHY will have a number of MDIO registers to report on subcarrier, or subcarrier group, signal quality

- Move: Steve Shellhammer
- Second: Duane Remein

- Yes:
- No:
- Abstain:

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Motion #(n+5)

- The minimum contiguous downstream spectrum should be 24 MHz

- Move: Steve Shellhammer
- Second: Duane Remein

- Yes:

- No:

- Abstain:

Straw Poll #m

- The granularity for setting the location and width of downstream exclusion sub-bands should be

- 2 MHz

- 1 MHz

- 500 kHz

- 200 kHz

- 50 kHz

- 25 kHz

- Other

Motion #(n+6)

- The granularity for setting the location and width of downstream exclusion sub-bands should be (fill in most popular value from straw poll)

- Move:
- Second:

- Yes:
- No:
- Abstain:

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Straw Poll #(m+1)

- The maximum number of separate internal downstream exclusion sub-bands should be,

- 2
- 4
- 6
- 8
- 16
- Other
- Abstain

Motion #(n+7)

- The maximum number of separate internal downstream exclusion sub-bands should be <u>(fill in most popular value from straw poll)</u>

- Move:
- Second:

- Yes:
- No:
- Abstain:

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Straw Poll #(m+2)

- The FDD downstream lower frequency band edge supported by the PHY should be

- 85 MHz
- 108 MHz
- 120 MHz
- 240 MHz
- 300 MHz
- 550 MHz
- Other
- Don't know

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Motion #(n+8)

- The FDD downstream lower frequency band edge supported by the PHY should be <u>(fill in most popular value from straw poll)</u>

- Move:
- Second:

- Yes:
- No:
- Abstain:

Straw Poll #(m+3)

- The FDD downstream upper frequency band edge supported by the PHY should be

- 1.0 GHz

- 1.2 GHz

- 1.8 GHz

- 3.0 GHz

- Other

- Don't know

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Motion #(n+9)

- The FDD downstream upper frequency band edge supported by the PHY should be (fill in most popular value from straw poll)

- Move:
- Second:

- Yes:
- No:
- Abstain: