

RF Spectrum Closing Report

Steve Shellhammer (Qualcomm)

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

Motion #16

- The granularity for setting the Center Frequency (fc) of the 192-MHz OFDM Channel, in both US and DS, shall be 1 MHz
- Move: Steve Shellhammer
- Second: Duane Remein
- Yes: 38
- No: 0
- Abstain: 6
- Technical Motion $\geq 75\%$

Motion #17

- The EPoC PHY shall be capable of communicating an upper bound of the RF spectrum of at least 5 GHz.
- Move: Steve Shellhammer
- Second: Duane Remein
- Yes: 30
- No: 0
- Abstain: 11
- Technical Motion $\geq 75\%$

Motion #18

- Downstream and upstream exclusion sub-bands within an OFDM channel can be configured in both the CLT and CNU by MDIO
- Move: Steve Shellhammer
- Second: Duane Remein
- Yes: 39
- No: 0
- Abstain: 3
- Technical Motion $\geq 75\%$

Motion #19

- The downstream and upstream exclusion sub-band configurations in an OFDM channel can be communicated from the CLT to the CNU over the PHY Link Channel.
- Move: Steve Shellhammer
- Second: Duane Remein
- Yes: 41
- No: 0
- Abstain: 3
- Technical Motion $\geq 75\%$

Motion #20

- The PHY will have a number of MDIO registers to report on subcarrier or subcarrier group, signal parameters including quality.
- Move: Steve Shellhammer
- Second: Duane Remein
- Yes: 37
- No: 0
- Abstain: 3
- Technical Motion $\geq 75\%$

Motion #21

- The minimum contiguous downstream spectrum with no internal exclusion sub-bands, should be 24 MHz. This does not preclude nulled subcarriers which do not carry information.
- Move: Steve Shellhammer
- Second: Duane Remein
- Yes: 24
- No: 4
- Abstain: 14
- Technical Motion $\geq 75\%$

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:

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 (fill in most popular value from straw poll)
- Move:
- Second:
- Yes:
- No:
- Abstain:

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

Motion #(n+8)

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

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: