

RF Spectrum Ad Hoc Opening Report

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March Task Force Motions

- TF passed the following motions at March Plenary
 1. The granularity for setting the Center Frequency (f_c) of the 192 MHz OFDM Channel, in both US and DS, shall be 1 MHz.
 2. The EPoC PHY shall be capable of communicating an upper bound of the RF spectrum of at least 5 GHz.
 3. Downstream and upstream exclusion sub-bands within an OFDM channel can be configured in both the CLT and CNU by MDIO.
 4. Downstream and upstream exclusion sub-band configuration in an OFDM channel can be communicated from the CLT to the CNU over the PHY Link Channel.
 5. The PHY will have a number of MDIO registers to report on subcarrier or subcarrier group, signal parameters including quality.
 6. The minimum contiguous downstream spectrum with no internal exclusion sub-bands shall be 24 MHz. This does not preclude nulled subcarriers which do not carry information.

Conference Calls

- The RF Spectrum Ad Hoc conference calls
 - Tuesdays
 - 2-3 PM Eastern Time
- Calls held since March Plenary
 - March 26
 - April 16
 - April 23
 - April 30
 - May 7
- Minutes sent to email reflector

Summary of Calls

- March 26
 - Discussed and straw polled the number and minimum width of exclusion subbands
- April 16
 - Exclusion Band Feedback - Edwin Mallette (Bright House Networks)
- April 23
 - Discussed and straw polled the definition of an Exclusion subband
- April 30
 - Tutorial on Task Force eStraw Poll Tool (Mark Laubach)
 - Prepared two eStraw Polls for TF
- May 7
 - Discussion on TDD Bandwidth Needs (Saif)

Straw Polls

- March 26
- Straw Poll #1
 - The granularity for setting the location and width of downstream exclusion sub-bands should be,

◦ 2 MHz	0
◦ 1 MHz	1
◦ 500 kHz	0
◦ 200 kHz	1
◦ 50 kHz	3
◦ 25 kHz	0
◦ Other	0
◦ Abstain	5

Straw Polls

- March 26
- Straw Poll #2
 - The maximum number of separate downstream exclusion sub-bands should be,

◦ 4	0
◦ 6	0
◦ 8	7
◦ 16	0
◦ Other	0
◦ Abstain	1

Straw Polls

- April 23
- Definition
 - Exclusion Subband: A set of adjacent subcarriers indexed $[m, m+1, m+2, \dots, m+k-1]$, which are configured via MDIO to have zero amplitude.
- Straw Poll
- Do you support the above definition?
- Yes 11
- No 1

eStraw Poll #rfspectrum_1

- Definition "Exclusion Subband": A set of adjacent subcarriers indexed $[m, m+1, m+2, \dots, m+k-1]$, which are configured via MDIO to have zero amplitude.
- Do you support the above definition for the term "exclusion subband"?
- Vote type: Single answer selection per voter.
- Summary of votes per answer (percent of total):
 - 0) Yes: 8 (100.0%)
 - 1) No: 0 (0.0%)
 - 2) Abstain: 0 (0.0%)
 - Total votes = 8

eStraw Poll #rfspectrum_2

Downstream Exclusion Subbands Question:

- Do you support the following statements?
 - The standard should support a maximum number of 8 separate downstream exclusion subbands.
 - The standard should support a maximum number of 6 internal exclusion subbands.
- Vote type: Single answer selection per voter.
- Summary of votes per answer (percent of total):

◦ 0) Yes:	7	(87.5%)
◦ 1) No:	1	(12.5%)
◦ 2) Abstain:	0	(0.0%)
◦ Total votes =	8	

Plan for the week

- Straw Poll items we did not get to in March
- Task Force Motions on straw polls with good consensus

Backup – Open Straw Polls

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

Straw Poll #(m+1)

- 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

Straw Poll #(m+2)

- 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