

RF Spectrum Ad Hoc Opening Report

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Summary of July RF Spectrum Decisions

Number	Technical Decision
69	An exclusion sub-band is characterized by a start sub-carrier index and an integer number of sub-carriers
70	In the downstream an exclusion sub-band shall be mappable onto any of the OFDM subcarriers within an OFDM channel, with the restriction that there is at least one modulated subcarrier between exclusion sub-bands
71	In the downstream, there shall be at most 16 exclusion sub-bands in a single 192-MHz OFDM channel.
72	<p>FDD RF Spectrum operation For an FDD system, the EPoC standard shall support operation over the following frequency ranges:</p> <ul style="list-style-type: none"> • Downstream: 54 MHz to at least 1212 MHz • Upstream: 10 MHz to at least 234 MHz <p>Actual frequencies in use on the coax will depend on the diplexer, region, etc. Downstream operation above 1212 MHz to 2610 MHz is for further study</p>
73	For a TDD system, the EPoC standard shall support operation in a passive cable plant from 10 MHz up to at least 1800 MHz.
85	The standard shall support a lower TDD frequency band from 10 MHz to 277 MHz.
86	The standard shall support an upper TDD frequency band from 750 MHz to 1800 MHz

Conference Calls

- The RF Spectrum Ad Hoc conference calls
 - Tuesdays
 - 2:00 PM -3:00 PM Eastern Time (11:00AM-12:00PM Pacific Time)
- Calls held since July Plenary
 - August 6
 - August 20
- Minutes sent to email reflector

Summary of Calls

- August 6
 - Discussed Open Issues (see next slide)
- August 20
 - The Feasibility Study on Higher Frequency Band for EPoC FDD Downstream (Naoki Agata and Keiji Tanaka)

Potential Open Issues

- On the August 6 conference call the following items were identified as potential open issues
 1. Potential change of FDD upstream lower band edge from 10 MHz to 5 MHz. A proposal may be given in the future
 2. FDD operation above 1212 MHz up to possibly 2610 MHz needs to be studied. This will begin with a channel model study in the Channel Model Ad Hoc.
 3. Need to decide if there will be TDD operation between 277 and 750 MHz (See technical decisions 73, 85 and 86)
 4. Does PHY need to cover full FDD range (US and DS)?
Need informative text for conformance to frequency ranges.
 5. Does PHY need to cover both TDD bands?

Plan for the Week

- Updated presentation by Naoki Agata and Keiji Tanaka on Higher FDD frequency band for Japan
- Discuss Potential Open Issues
- Ad Hoc chair recommends that going forward the Ad Hoc only meet if specific items come up
 - If anyone has a presentation to make they can contact the Ad Hoc chair and he will schedule a conference call