
**IEEE P802.11
Wireless LANs**

Preparing for PAR review in LaJolla

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Abstract

The following submission was provided at the close of the WPAN SG Interim Meeting Irving, TX to provide the SG a path forward for preparing for our activities during the IEEE 802 LMSC Plenary in LaJolla, CA July 5-10, 1998.

The SG attendees discussed, in detail, the content of this submission some of which was captured in the Tentative Minutes of the Irving, TX Meeting.

Mr Kraemer provided the submission as overheads and the group agreed that the Secretary should write up this submission for inclusion to the SG document set.

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List of 30 companies involved

Frequently Asked Questions and prepared answers

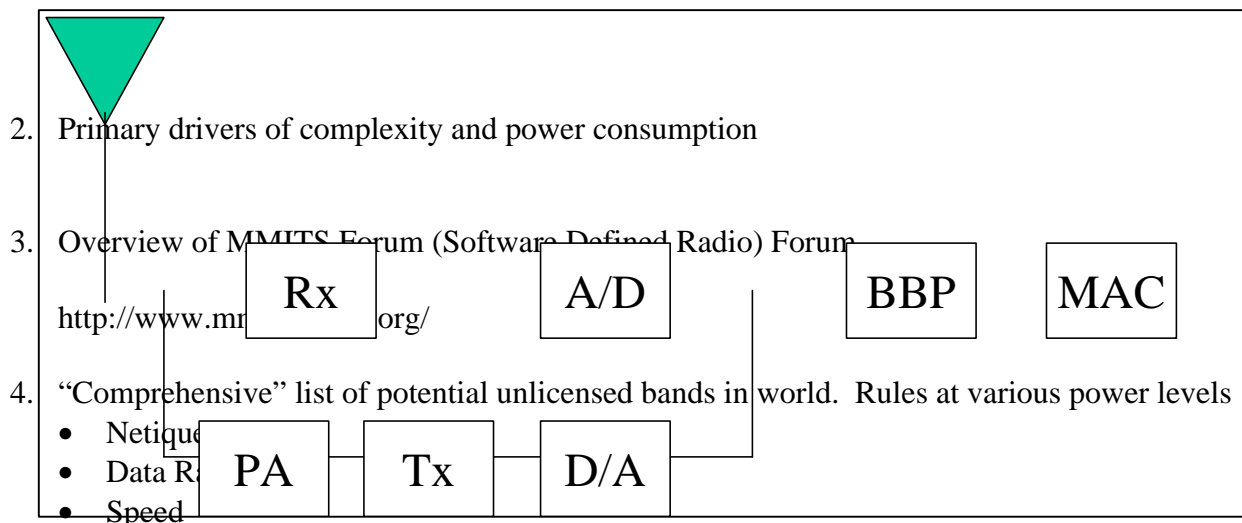
- A. Will PAN use the 802.11 MAC?
- B. How does PAN interact with existing 802.11 networks?

Preparing for LaJolla WG – Possible Contributions

1. Comparison Matrix of “competing” options

	WPAN	802.11	HomeRF	Bluetooth	Etc.
Cost					
Range					
Datarate					
Density					
Power					
Complexity Factor					
Applications					
Etc.					

1. Estimated power budget for example radio circuits – block diagram level



At a minimum document Part 15 section 247, 249

1. "Definitive" extract from 802.11 regarding min/max
 - Power, Range, Density, Data Rate

1. PCs, handhelds, laptops as sources of noise emissions.
 - Likely effect of clock speed on spectral density

1. More comprehensive power metrics e.g.:
 - Power per megabit transmitted
 - Power per megabit received
 - Power per day
 - Peak per day
 - Peak power during transmit
 - Peak power during receive

2. Common wireless devices as sources of noise/interference.
 - Microwave oven, Cordless phone, Cell Phone, Pager
 - Power levels vs frequency
 - Microwave oven lab data
 - Ambient environment data