

# *Exhibit A*

# Claim Construction Hearing

*In Re: Neo Wireless, LLC Patent*

IN THE UNITED STATES DISTRICT COURT  
EASTERN DISTRICT OF MICHIGAN  
SOUTHERN DIVISION

Case No. 2:22-md-03034-TGB  
Hon. Terrence G. Berg

June 21, 2023

# “low peak-to-average power ratio”

## Neo’s Proposal

Plain and ordinary meaning. No construction necessary.

Alternatively, to the extent construction is deemed necessary, “exhibits a peak-to-average power ratio in the time domain of 9dBs or less.”

## De

Indefinite.

## DISPUTE

Whether the term “low peak-to-average power ratio” pro  
one of skill in the art *when read in context of the invention*

*Interval Licensing LLC v. AOL, Inc.*, 766 F.3d 1364, 1370 (

# “Low PAPR” is a Commonly Used Te

EX1008, 0008-09. “The ranging code used here is a [G]old code” where “63 gold codes” are produced using a “[G]old sequence generator.” EX1008, 0008. Jeong explains that the Gold codes provide “a low PAR.” EX1008, 0009.

*Cimini Decl. (Dkt. 134-2) at ¶ 63 (describing the Jeong reference)*

The prior art of record Um does not disclose the ranging signal lasts over a period of one or multiple orthogonal frequency division multiplexing (OFDM) symbols and the ranging signal exhibits a low peak-to-average power ratio in the time domain; and the ranging subchannel comprises at least one block of subcarriers within the communication channel and power levels of subcarriers at both ends of a block are set to zero as applied to independent claims 1, 9, 17 and 22.

*Cimini Decl. (Dkt. 134-2) at ¶ 147 (citing prosecution history of 366 patent)*

Chayat also teaches that using excessive distortion in the preamble, a carefully crafted preamble can be kept at a low PAPR for data. This property is beneficial because the preamble experiences smaller distortion.

*Cimini Decl. (Dkt. 134-2) at ¶ 147*

# Intrinsic Evidence Provides Further

In addition, other properties in signal processing can be exploited in sequence design. In one embodiment of the implementation, the ranging sequence is designed such that its corresponding time-domain signal exhibits relatively low peak-to-average power ratio. This improves the power efficiency of the mobile station transmission power amplifier. Furthermore, the ranging signal is designed such that the time signal can be approximated with a binary sequence (e.g., FIG. 7), thereby reducing the complexity of the receiver correlator.

*'366 Patent 4:33-41*

1. In a multi-cell access (OFDMA) with a plurality of base station configured to communicate in a cell via a communication comprising:

*'366 Patent*

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