[0029] FIG. 17 illustrates an example of how a receiver STA can perform opportunistic WLAN sensing with a STA of interest and filter out PPDU from other STAs in accordance with a first embodiment.

[0030] Fig. 18 depicts an illustration of how a benchmark PPDU may be selected in accordance with a first embodiment.

[0031] FIG. 19 depicts an illustration of a sensing receiver operation in accordance with a first embodiment.

[0032] FIG. 20 depicts an illustration of a medium access control (MAC) primitive issued to physical layer (PHY) to extract CSI from the PPDU of interest.

[0033] FIG. 21 depicts another illustration of a sensing receiver operation in accordance with a first embodiment.

[0034] FIG. 22 depicts another illustration of a medium access control (MAC) primitive set by MAC to filter certain PPDUs so that physical layer (PHY) may automatically pass the CSI from filtered in PPDUs to the MAC.

[0035] FIG. 23 depicts an illustration of WLAN sensing using transmit beamforming sequence in accordance with a variation of the first embodiment.

[0036] FIG. 24 depicts an illustration of WLAN sensing using ranging sequence in accordance with another variation of the first embodiment.

[0037] FIG. 25 depicts an illustration of a WLAN sensing procedure in accordance with a second embodiment.

[0038] FIG. 26 depicts an illustration of opportunistic sensing support capability in WLAN sensing capability element in accordance with a second embodiment.

[0039] FIG. 27 depicts an illustration of a Tunneled Direct Link Setup (TDLS) Discovery Request frame that can be used to advertise opportunistic sensing capabilities in accordance with a second embodiment.

[0040] FIG. 27 further depicts an illustration of how TDLS Discovery Request and Response frames may be utilized for opportunistic sensing in accordance with a second embodiment.

[0041] FIG. 28 depicts an illustration of a sensing session in accordance with a second embodiment.

[0042] FIGs. 29 and 30 depict illustrations of a sensing session in accordance with a variation of the second embodiment.

[0043] FIG. 31 depicts an illustration of an example HE link adaptation (HLA) A-control field in accordance with a second embodiment.

[0044] FIG. 32 depicts an illustration of a channel measurement process adapted by the receiver to compensate for the change in transmit parameters in accordance with a second embodiment.

[0045] FIG. 33 depicts an illustration of an example WLAN Sensing Transmit (Tx) parameter indication frame in accordance with a second embodiment.

[0046] FIG. 34 depicts an illustration of how a transmitting STA indicates new parameters to a receiving STA in accordance with a second embodiment.

[0047] FIG. 35 depicts an illustration of an example threshold-based sensing procedure in accordance with a third embodiment.

[0048] FIG. 36 depicts an illustration of an example threshold-based sensing procedure using NDP in accordance with a third embodiment.

[0049] FIG. 37 depicts an illustration of an example sensing type Regular PPDU in accordance with a fourth embodiment.

[0050] FIG. 38 depicts an illustration of a sensing process using PPDUs that are periodically transmitted in accordance with a fifth embodiment.