

Liaison Statement from IEEE 802.11 Working Group to 3GPP, 3GPP SA TSG

To: 3GPP, 3GPP SA TSG

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SUBJECT: IEEE 802.11 study results benchmarking 802.11ax capabilities to meet Indoor Hotspot test environment defined by IMT-2020

DATE: 21 November 2018

The IEEE 802.11 WG would like to kindly inform you of the results of the studies documented in [2], [3], [4], and [5] regarding benchmarking of IEEE P802.11ax [1] capabilities in the Indoor Hotspot environment defined by IMT-2020 ([6], [7]).

The IEEE 802.11WG believes these studies conclusively show that:

- P802.11ax [1] meets the salient IMT-2020 requirements for the Indoor Hotspot environment, including mobility.

The IEEE 802.11 WG invites you to consider these results in the context of ongoing work regarding WLAN interworking with 3GPP systems, and looks forward to a continued, productive exchange of information.

Date of Next IEEE 802.11 WG Meetings:

802 Interim: 13-18 January 2019, in St. Louis, Missouri, USA

802 Plenary: 10-15 March 2019, in Vancouver, Canada

802 Interim: 12-17 May 2019, in Atlanta, Georgia, USA

802 Plenary: 14-19 July 2019, in Vienna, Austria

Sincerely,

Dorothy STANLEY

IEEE 802.11 Working Group Chair

References

- [1] [IEEE P802.11ax™/D3.0](#), “Draft Standard for Information technology Telecommunications and information exchange between systems Local and metropolitan area networks— Specific requirements Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications; Amendment 6: Enhancements for High Efficiency WLAN” – June 2018
- [2] [IEEE 802.11-18/1573r7](#), Summary of 802.11ax Self Evaluation for IMT-2020 EMBB Indoor Hotspot, November, 2018
- [3] [IEEE 802.11-18/1240r4](#), Benchmarking of 802.11ax against eMBB Indoor Hotspot requirements using IMT-2020 simulation methodology, November, 2018
- [4] [IEEE 802.11-18/0915r3](#), Benchmarking of 802.11ax against eMBB Indoor Hotspot requirements using IMT-2020 simulation methodology, November, 2018
- [5] [IEEE 802.11-18/0517r2](#), 802.11ax for IMT-2020 EMBB Indoor Hotspot and Dense Urban, September, 2018
- [6] [Report ITU-R M.2410-0 \(11/2017\)](#), Minimum requirements related to technical performance for IMT-2020 radio interface(s)
- [7] [Report ITU-R M.2412-0 \(10/2017\)](#), Guidelines for evaluation of radio interface technologies for IMT-2020