### CONTENTS

Policy on Intellectual Property Right (IPR)  
 1 Introduction  
 2 Applications  
 3 Deployment scenario  
 3.1 Home living room  
 3.2 Office conference room  
 3.3 Enterprise cubicle  
 3.4 Touch and get environment  
 4 Data rates  
 5 Technical characteristics and specifications  
 5.1 Modulation and data rates  
 5.2 Channel access  
 5.3 Beamforming  
 5.4 Spatial reuse  
 6 Overview of IEEE Std 802.11-2016  
 6.1 The physical layer  
 6.1.1 Channelization  
 6.1.2 Modulation and Coding Schemes (MCSs)  
 6.1.3 Common preamble  
 6.1.4 Frame formats  
 6.2 The MAC layer  
 6.2.1 Network architectures  
 6.2.2 Medium access  
 6.2.3 Multiband operation  
 6.2.4 Beamforming  
 6.3 Common characteristics  
 6.3.1 Transmit and receive operating temperature range  
 6.3.2 Centre frequency tolerance  
 6.3.3 Symbol clock tolerance  
 6.3.4 Transmit centre frequency leakage  
 6.3.5 Transmit ramp up and ramp down  
 6.3.6 Maximum input level  
 6.3.7 Rates  
 7 Overview of IEEE Std 802.15.3c-2009  
 7.1 The physical layer  
 7.1.1 Channelization  
 7.1.2 Modulation and Coding Schemes (MCSs)  
 7.2 The MAC Layer  
 7.2.1 Network architectures  
 7.2.2 Medium access  
 7.2.3 Beamforming  
 7.2.4 Rates  
 8 Overview of IEEE Std 802.15.3e-2017  
 8.1 The physical layer  
 8.1.1 Channelization  
 8.1.2 Modulation and Coding Schemes (MCSs)  
 8.1.3 Multiple-input and multiple-output (MIMO)  
 8.1.4 MIMO characteristics  
 8.2 The MAC Layer  
 8.2.1 Network architectures  
 8.2.2 Pairnet  
 9 Overview of the Wi-Fi Alliance (WFA) specification  
 9.1 Protocol Adaptation Layers (PALs)  
10 Overview of ETSI EN 302 567 V2.1.1 (2017-07) specification