# TABLE OF CONTENTS

1. **EXECUTIVE SUMMARY** .................................................................................. 3
   1.1 Key Findings ............................................................................................... 3

2. **WIFI TECHNOLOGY EVOLUTION** ................................................................... 5
   2.1 802.11s (WiFi Mesh) .................................................................................... 6
   2.2 802.11ad (WiGig) ........................................................................................ 6
   2.3 802.11ax ................................................................................................... 6
   2.4 Wi-Fi Vantage ............................................................................................. 7
   2.5 Future Improvements .................................................................................. 7
   2.6 Integration With LTE .................................................................................... 8

3. **WHY WIFI IS HERE TO STAY** ...................................................................... 10
   3.1 WiFi Growth Outdoors ................................................................................ 10
   3.2 Increasing Dependence Within the Home & Office ......................................... 11
   3.3 Robust Device Markets ............................................................................... 11
   3.4 The Spectrum Challenge ............................................................................ 12

4. **WIFI & 5G – HOW DOES THAT WORK?** ....................................................... 13
   4.1 WiFi’s Role in Testing 5G ............................................................................ 13
   4.2 5G as a WiFi Enabler .................................................................................. 13
   4.3 5G & WiFi Integrated ................................................................................. 13

5. **MONEY KILLS 4G & 5G IN THE HOME** ......................................................... 15
   5.1 The Threat to WiFi From Unlicensed LTE in Enterprise Settings ....................... 15
   5.2 The Impact of Legacy Connectivity .............................................................. 16

6. **CONCLUSIONS** ............................................................................................ 18

**TERMS OF USE** ...................................................................................................... 19

Use of this PDF file is governed by the terms and conditions stated in the license agreement included in this file. Any violation of the terms of this agreement, including unauthorized distribution of this file to third parties, is considered a breach of copyright. Heavy Reading will pursue such breaches to the full extent of the law. Such acts are punishable in court by fines of up to $100,000 for each infringement.

For questions about subscriptions and account access, please contact support@heavyreading.com.

For questions and comments about report content, please contact Heavy Reading at reports@heavyreading.com.