

Global Cognitive Radio Market Analysis (2017-2023)

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Abstracts

The Global Cognitive Radio Market size is expected to reach \$8.4 billion by 2023, rising at a market growth of 17% CAGR during the forecast period. Cognitive Radio (CR) is an adaptive, intelligent radio and network technology that has the capabilities to automatically detect available channels in a wireless spectrum and accordingly change transmission parameters, which would enable multiple communications to run concurrently and at the same time improve radio operating behavior. The cognitive radio technology has found tremendous uptake by organizations to bring about seamless customer experience, improve the Return on Investment (RoI), and gain a competitive edge in the wireless communication industry. In addition, the adoption of cognitive radio would witness exponentially growth in various industry verticals. In its most basic form, CR is a hybrid technology that involves software defined radio (SDR) as applied to spread spectrum communications. The main driving factors for the market growth are growing adoption of 5G technology and technological advancements in the wireless communication field.

Based on Type, the market report segments the market into Software, Hardware, and Services. Software Type includes Radio Control & Reconfiguration Tools, Spectrum Analyzer, and Policy & Configuration Database Manager. Services include Professional and Managed Services. Based on Application, the market report segments the market into Spectrum Sensing, Spectrum Analysis, Spectrum Allocation, Location Tracking, and Others. Based on Vertical, the market report segments the market into Government & Defense, Telecommunication, Transportation, and Others. Based on Regions, the Cognitive Radio Market segments the market into North America, Europe, Asia Pacific, and Latin America, Middle East & Africa.

The market research report covers the competition analysis of key stake holders of the Global Cognitive Radio Market. Key companies profiled in the report include BAE Systems, Raytheon Company, Thales Group S.A., Vecima Networks (Spectrum Signal

Processing), xG Technology, Rohde & Schwarz, NuRAN Wireless Inc. (Nutaq), DataSoft Corporation, Kyynel, and Shared Spectrum Company.

Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 Global Cognitive Radio Market, by Type
 - 1.4.2 Global Cognitive Radio Market, by Application
 - 1.4.3 Global Cognitive Radio Market, by Vertical
 - 1.4.4 Global Cognitive Radio Market, by Geography
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
- 2.2 Drivers, and Restraints
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. GLOBAL COGNITIVE RADIO MARKET

- 3.1 Global Cognitive Radio Market by Type
 - 3.1.1 Global Cognitive Radio Software Market by Region
 - 3.1.2 Global Cognitive Radio Market by Software Type
 - 3.1.2.1 Global Radio Control & Reconfiguration Tools Software Market by Region
 - 3.1.2.2 Global Spectrum Analyzer Market by Region
 - 3.1.2.3 Global Policy & Configuration Database Manager Market by Region
 - 3.1.3 Global Cognitive Radio Hardware Market by Region
 - 3.1.4 Global Cognitive Radio Services Market by Region
 - 3.1.5 Global Cognitive Radio Market by Service Type
 - 3.1.5.1 Global Cognitive Radio Professional Services Market by Region
 - 3.1.5.2 Global Cognitive Radio Managed Services Market by Region

CHAPTER 4. GLOBAL COGNITIVE RADIO MARKET BY APPLICATION

- 4.1 Introduction
 - 4.1.1 Global Spectrum Sensing Cognitive Radio Market by Region

- 4.1.2 Global Spectrum Analysis Cognitive Radio Market by Region
- 4.1.3 Global Spectrum Allocation Cognitive Radio Market by Region
- 4.1.4 Global Location Tracking Cognitive Radio Market by Region
- 4.1.5 Global Others Cognitive Radio Market by Region

CHAPTER 5. GLOBAL COGNITIVE RADIO MARKET BY VERTICAL

5.1 Introduction

- 5.1.1 Global Cognitive Radio in Government & Defense Market by Region
- 5.1.2 Global Cognitive Radio in Telecommunication Market by Region
- 5.1.3 Global Cognitive Radio in Transportation Market by Region
- 5.1.4 Global Cognitive Radio in Others Market by Region

CHAPTER 6. GLOBAL COGNITIVE RADIO MARKET BY REGION

6.1 Introduction

6.2 North America Cognitive Radio Market

6.2.1 North America Cognitive Radio Market by Type

6.2.1.1 North America Cognitive Radio Software Market by Country

6.2.1.2 North America Cognitive Radio Market by Software Type

6.2.1.2.1 North America Radio Control & Reconfiguration Tools Software Market by Country

6.2.1.2.2 North America Spectrum Analyzer Market by Country

6.2.1.2.3 North America Policy & Configuration Database Manager Market by Country

6.2.1.3 North America Cognitive Radio Hardware Market by Country

6.2.1.4 North America Cognitive Radio Services Market by Country

6.2.1.5 North America Cognitive Radio Market by Service Type

6.2.1.5.1 North America Cognitive Radio Professional Services Market by Country

6.2.1.5.2 North America Cognitive Radio Managed Services Market by Country

6.2.2 North America Cognitive Radio Market by Application

6.2.2.1 North America Spectrum Sensing Cognitive Radio Market by Country

6.2.2.2 North America Spectrum Analysis Cognitive Radio Market by Country

6.2.2.3 North America Spectrum Allocation Cognitive Radio Market by Country

6.2.2.4 North America Location Tracking Cognitive Radio Market by Country

6.2.2.5 North America Others Cognitive Radio Market by Country

6.2.3 North America Cognitive Radio Market by Vertical

6.2.3.1 North America Cognitive Radio in Government & Defense Market by Country

6.2.3.2 North America Cognitive Radio in Telecommunication Market by Country

- 6.2.3.3 North America Cognitive Radio in Transportation Market by Country
- 6.2.3.4 North America Cognitive Radio in Others Market by Country
- 6.2.4 North America Cognitive Radio Market by Country
 - 6.2.4.1 US Cognitive Radio Market
 - 6.2.4.1.1 US Cognitive Radio Market by Type
 - 6.2.4.1.2 US Cognitive Radio Market by Application
 - 6.2.4.1.3 US Cognitive Radio Market by Vertical
 - 6.2.4.2 Canada Cognitive Radio Market
 - 6.2.4.2.1 Canada Cognitive Radio Market by Type
 - 6.2.4.2.2 Canada Cognitive Radio Market by Application
 - 6.2.4.2.3 Canada Cognitive Radio Market by Vertical
 - 6.2.4.3 Mexico Cognitive Radio Market
 - 6.2.4.3.1 Mexico Cognitive Radio Market by Type
 - 6.2.4.3.2 Mexico Cognitive Radio Market by Application
 - 6.2.4.3.3 Mexico Cognitive Radio Market by Vertical
 - 6.2.4.4 Rest of North America Cognitive Radio Market
 - 6.2.4.4.1 Rest of North America Cognitive Radio Market by Type
 - 6.2.4.4.2 Rest of North America Cognitive Radio Market by Application
 - 6.2.4.4.3 Rest of North America Cognitive Radio Market by Vertical
- 6.3 Europe Cognitive Radio Market
 - 6.3.1 Europe Cognitive Radio Market by Type
 - 6.3.1.1 Europe Cognitive Radio Software Market by Country
 - 6.3.1.2.1 Europe Radio Control & Reconfiguration Tools Software Market by Country
 - 6.3.1.2 Europe Cognitive Radio Market by Software Type
 - 6.3.1.2.2 Europe Spectrum Analyzer Market by Country
 - 6.3.1.2.3 Europe Policy & Configuration Database Manager Market by Country
 - 6.3.1.3 Europe Cognitive Radio Hardware Market by Country
 - 6.3.1.4 Europe Cognitive Radio Services Market by Country
 - 6.3.1.5 Europe Cognitive Radio Market by Service Type
 - 6.3.1.5.1 Europe Cognitive Radio Professional Services Market by Country
 - 6.3.1.5.2 Europe Cognitive Radio Managed Services Market by Country
 - 6.3.2 Europe Cognitive Radio Market by Application
 - 6.3.2.1 Europe Spectrum Sensing Cognitive Radio Market by Country
 - 6.3.2.2 Europe Spectrum Analysis Cognitive Radio Market by Country
 - 6.3.2.3 Europe Spectrum Allocation Cognitive Radio Market by Country
 - 6.3.2.4 Europe Location Tracking Cognitive Radio Market by Country
 - 6.3.2.5 Europe Others Cognitive Radio Market by Country
 - 6.3.3 Europe Cognitive Radio Market by Vertical

- 6.3.3.1 Europe Cognitive Radio in Government & Defense Market by Country
- 6.3.3.2 Europe Cognitive Radio in Telecommunication Market by Country
- 6.3.3.3 Europe Cognitive Radio in Transportation Market by Country
- 6.3.3.4 Europe Cognitive Radio in Others Market by Country
- 6.3.4 Europe Cognitive Radio Market by Country
 - 6.3.4.1 Germany Cognitive Radio Market
 - 6.3.4.1.1 Germany Cognitive Radio Market by Type
 - 6.3.4.1.2 Germany Cognitive Radio Market by Application
 - 6.3.4.1.3 Germany Cognitive Radio Market by Vertical
 - 6.3.4.2 UK Cognitive Radio Market
 - 6.3.4.2.1 UK Cognitive Radio Market by Type
 - 6.3.4.2.2 UK Cognitive Radio Market by Application
 - 6.3.4.2.3 UK Cognitive Radio Market by Vertical
 - 6.3.4.3 France Cognitive Radio Market
 - 6.3.4.3.1 France Cognitive Radio Market by Type
 - 6.3.4.3.2 France Cognitive Radio Market by Application
 - 6.3.4.3.3 France Cognitive Radio Market by Vertical
 - 6.3.4.4 Russia Cognitive Radio Market
 - 6.3.4.4.1 Russia Cognitive Radio Market by Type
 - 6.3.4.4.2 Russia Cognitive Radio Market by Application
 - 6.3.4.4.3 Russia Cognitive Radio Market by Vertical
 - 6.3.4.5 Spain Cognitive Radio Market
 - 6.3.4.5.1 Spain Cognitive Radio Market by Type
 - 6.3.4.5.2 Spain Cognitive Radio Market by Application
 - 6.3.4.5.3 Spain Cognitive Radio Market by Vertical
 - 6.3.4.6 Italy Cognitive Radio Market
 - 6.3.4.6.1 Italy Cognitive Radio Market by Type
 - 6.3.4.6.2 Italy Cognitive Radio Market by Application
 - 6.3.4.6.3 Italy Cognitive Radio Market by Vertical
 - 6.3.4.7 Rest of Europe Cognitive Radio Market
 - 6.3.4.7.1 Rest of Europe Cognitive Radio Market by Type
 - 6.3.4.7.2 Rest of Europe Cognitive Radio Market by Application
 - 6.3.4.7.3 Rest of Europe Cognitive Radio Market by Vertical
- 6.4 Asia Pacific Cognitive Radio Market
 - 6.4.1 Asia Pacific Cognitive Radio Market by Type
 - 6.4.1.1 Asia Pacific Cognitive Radio Software Market by Country
 - 6.4.1.2 Asia Pacific Cognitive Radio Market by Software Type
 - 6.4.1.2.1 Asia Pacific Radio Control & Reconfiguration Tools Software Market by Country

- 6.4.1.2.2 Asia Pacific Spectrum Analyzer Market by Country
- 6.4.1.2.3 Asia Pacific Policy & Configuration Database Manager Market by Country
- 6.4.1.3 Asia Pacific Cognitive Radio Hardware Market by Country
- 6.4.1.4 Asia Pacific Cognitive Radio Services Market by Country
- 6.4.1.5 Asia Pacific Cognitive Radio Market by Service Type
 - 6.4.1.5.1 Asia Pacific Cognitive Radio Professional Services Market by Country
 - 6.4.1.5.2 Asia Pacific Cognitive Radio Managed Services Market by Country
- 6.4.2 Asia Pacific Cognitive Radio Market by Application
 - 6.4.2.1 Asia Pacific Spectrum Sensing Cognitive Radio Market by Country
 - 6.4.2.2 Asia Pacific Spectrum Analysis Cognitive Radio Market by Country
 - 6.4.2.3 Asia Pacific Spectrum Allocation Cognitive Radio Market by Country
 - 6.4.2.4 Asia Pacific Location Tracking Cognitive Radio Market by Country
 - 6.4.2.5 Asia Pacific Others Cognitive Radio Market by Country
- 6.4.3 Asia Pacific Cognitive Radio Market by Vertical
 - 6.4.3.1 Asia Pacific Cognitive Radio in Government & Defense Market by Country
 - 6.4.3.2 Asia Pacific Cognitive Radio in Telecommunication Market by Country
 - 6.4.3.3 Asia Pacific Cognitive Radio in Transportation Market by Country
 - 6.4.3.4 Asia Pacific Cognitive Radio in Others Market by Country
- 6.4.4 Asia Pacific Cognitive Radio Market by Country
 - 6.4.4.1 China Cognitive Radio Market
 - 6.4.4.1.1 China Cognitive Radio Market by Type
 - 6.4.4.1.2 China Cognitive Radio Market by Application
 - 6.4.4.1.3 China Cognitive Radio Market by Vertical
 - 6.4.4.2 Japan Cognitive Radio Market
 - 6.4.4.2.1 Japan Cognitive Radio Market by Type
 - 6.4.4.2.2 Japan Cognitive Radio Market by Application
 - 6.4.4.2.3 Japan Cognitive Radio Market by Vertical
 - 6.4.4.3 India Cognitive Radio Market
 - 6.4.4.3.1 India Cognitive Radio Market by Type
 - 6.4.4.3.2 India Cognitive Radio Market by Application
 - 6.4.4.3.3 India Cognitive Radio Market by Vertical
 - 6.4.4.4 South Korea Cognitive Radio Market
 - 6.4.4.4.1 South Korea Cognitive Radio Market by Type
 - 6.4.4.4.2 South Korea Cognitive Radio Market by Application
 - 6.4.4.4.3 South Korea Cognitive Radio Market by Vertical
 - 6.4.4.5 Singapore Cognitive Radio Market
 - 6.4.4.5.1 Singapore Cognitive Radio Market by Type
 - 6.4.4.5.2 Singapore Cognitive Radio Market by Application
 - 6.4.4.5.3 Singapore Cognitive Radio Market by Vertical

- 6.4.4.6 Malaysia Cognitive Radio Market
 - 6.4.4.6.1 Malaysia Cognitive Radio Market by Type
 - 6.4.4.6.2 Malaysia Cognitive Radio Market by Application
 - 6.4.4.6.3 Malaysia Cognitive Radio Market by Vertical
- 6.4.4.7 Rest of Asia Pacific Cognitive Radio Market
 - 6.4.4.7.1 Rest of Asia Pacific Cognitive Radio Market by Type
 - 6.4.4.7.2 Rest of Asia Pacific Cognitive Radio Market by Application
 - 6.4.4.7.3 Rest of Asia Pacific Cognitive Radio Market by Vertical
- 6.5 LAMEA Cognitive Radio Market
 - 6.5.1 LAMEA Cognitive Radio Market by Type
 - 6.5.1.1 LAMEA Cognitive Radio Software Market by Country
 - 6.5.1.2 LAMEA Cognitive Radio Market by Software Type
 - 6.5.1.2.1 LAMEA Radio Control & Reconfiguration Tools Software Market by Country
 - 6.5.1.2.2 LAMEA Spectrum Analyzer Market by Country
 - 6.5.1.2.3 LAMEA Policy & Configuration Database Manager Market by Country
 - 6.5.1.3 LAMEA Cognitive Radio Hardware Market by Country
 - 6.5.1.4 LAMEA Cognitive Radio Services Market by Country
 - 6.5.1.5 LAMEA Cognitive Radio Market by Service Type
 - 6.5.1.5.1 LAMEA Cognitive Radio Professional Services Market by Country
 - 6.5.1.5.2 LAMEA Cognitive Radio Managed Services Market by Country
 - 6.5.2 LAMEA Cognitive Radio Market by Application
 - 6.5.2.1 LAMEA Spectrum Sensing Cognitive Radio Market by Country
 - 6.5.2.2 LAMEA Spectrum Analysis Cognitive Radio Market by Country
 - 6.5.2.3 LAMEA Spectrum Allocation Cognitive Radio Market by Country
 - 6.5.2.4 LAMEA Location Tracking Cognitive Radio Market by Country
 - 6.5.2.5 LAMEA Others Cognitive Radio Market by Country
 - 6.5.3 LAMEA Cognitive Radio Market by Vertical
 - 6.5.3.1 LAMEA Cognitive Radio in Government & Defense Market by Country
 - 6.5.3.2 LAMEA Cognitive Radio in Telecommunication Market by Country
 - 6.5.3.3 LAMEA Cognitive Radio in Transportation Market by Country
 - 6.5.3.4 LAMEA Cognitive Radio in Others Market by Country
 - 6.5.4 LAMEA Cognitive Radio Market by Country
 - 6.5.4.1 Brazil Cognitive Radio Market
 - 6.5.4.1.1 Brazil Cognitive Radio Market by Type
 - 6.5.4.1.2 Brazil Cognitive Radio Market by Application
 - 6.5.4.1.3 Brazil Cognitive Radio Market by Vertical
 - 6.5.4.2 Argentina Cognitive Radio Market
 - 6.5.4.2.1 Argentina Cognitive Radio Market by Type

- 6.5.4.2.2 Argentina Cognitive Radio Market by Application
- 6.5.4.2.3 Argentina Cognitive Radio Market by Vertical
- 6.5.4.3 UAE Cognitive Radio Market
 - 6.5.4.3.1 UAE Cognitive Radio Market by Type
 - 6.5.4.3.2 UAE Cognitive Radio Market by Application
 - 6.5.4.3.3 UAE Cognitive Radio Market by Vertical
- 6.5.4.4 Saudi Arabia Cognitive Radio Market
 - 6.5.4.4.1 Saudi Arabia Cognitive Radio Market by Type
 - 6.5.4.4.2 Saudi Arabia Cognitive Radio Market by Application
 - 6.5.4.4.3 Saudi Arabia Cognitive Radio Market by Vertical
- 6.5.4.5 South Africa Cognitive Radio Market
 - 6.5.4.5.1 South Africa Cognitive Radio Market by Type
 - 6.5.4.5.2 South Africa Cognitive Radio Market by Application
 - 6.5.4.5.3 South Africa Cognitive Radio Market by Vertical
- 6.5.4.6 Nigeria Cognitive Radio Market
 - 6.5.4.6.1 Nigeria Cognitive Radio Market by Type
 - 6.5.4.6.2 Nigeria Cognitive Radio Market by Application
 - 6.5.4.6.3 Nigeria Cognitive Radio Market by Vertical
- 6.5.4.7 Rest of LAMEA Cognitive Radio Market
 - 6.5.4.7.1 Rest of LAMEA Cognitive Radio Market by Type
 - 6.5.4.7.2 Rest of LAMEA Cognitive Radio Market by Application
 - 6.5.4.7.3 Rest of LAMEA Cognitive Radio Market by Vertical

CHAPTER 7. COMPANY PROFILES

- 7.1 BAE Systems
 - 7.1.1 Company Overview
 - 7.1.2 Financial Analysis
 - 7.1.3 Segmental and Regional Analysis
 - 7.1.4 Research & Development Expense
 - 7.1.5 Strategies at a Glance
 - 7.1.5.1 Product Launch
- 7.2 Raytheon Company
 - 7.2.1 Company Overview
 - 7.2.2 Financial Analysis
 - 7.2.3 Segmental and Regional Analysis
 - 7.2.4 Research & Development Expense
- 7.3 Thales Group S.A.
 - 7.3.1 Company Overview

- 7.3.2 Financial Analysis
- 7.3.3 Segmental Analysis
- 7.3.4 Research & Development Expense
- 7.4 Vecima Networks (Spectrum Signal Processing)
 - 7.4.1 Company Overview
 - 7.4.2 Financial Analysis
 - 7.4.3 Segmental and Regional Analysis
 - 7.4.4 Research & Development Expense
- 7.5 xG Technology
 - 7.5.1 Company Overview
 - 7.5.2 Strategies at a Glance
 - 7.5.2.1 Product Launch
 - 7.5.2.2 Partnerships, Collaborations and Agreements
- 7.6 Rohde & Schwarz
 - 7.6.1 Company Overview
- 7.7 NuRAN Wireless Inc. (Nutaq)
 - 7.7.1 Company Overview
- 7.8 DataSoft Corporation
 - 7.8.1 Company Overview
- 7.9 Kyynel
 - 7.9.1 Company Overview
- 7.1 Shared Spectrum Company
 - 7.10.1 Company Overview

List Of Tables

LIST OF TABLES

Table 1 GLOBAL COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 2 GLOBAL COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 3 GLOBAL COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 4 GLOBAL COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 5 GLOBAL COGNITIVE RADIO SOFTWARE MARKET BY REGION, 2013 - 2016, USD MILLION

Table 6 GLOBAL COGNITIVE RADIO SOFTWARE MARKET BY REGION, 2017 - 2023, USD MILLION

Table 7 GLOBAL COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 8 GLOBAL COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 9 GLOBAL RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY REGION, 2013 - 2016, USD MILLION

Table 10 GLOBAL RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY REGION, 2017 - 2023, USD MILLION

Table 11 GLOBAL SPECTRUM ANALYZER MARKET BY REGION, 2013 - 2016, USD MILLION

Table 12 GLOBAL SPECTRUM ANALYZER MARKET BY REGION, 2017 - 2023, USD MILLION

Table 13 GLOBAL POLICY & CONFIGURATION DATABASE MANAGER MARKET BY REGION, 2013 - 2016, USD MILLION

Table 14 GLOBAL POLICY & CONFIGURATION DATABASE MANAGER MARKET BY REGION, 2017 - 2023, USD MILLION

Table 15 GLOBAL COGNITIVE RADIO HARDWARE MARKET BY REGION, 2013 - 2016, USD MILLION

Table 16 GLOBAL COGNITIVE RADIO HARDWARE MARKET BY REGION, 2017 - 2023, USD MILLION

Table 17 GLOBAL COGNITIVE RADIO SERVICES MARKET BY REGION, 2013 - 2016, USD MILLION

Table 18 GLOBAL COGNITIVE RADIO SERVICES MARKET BY REGION, 2017 - 2023, USD MILLION

Table 19 GLOBAL COGNITIVE RADIO MARKET BY SERVICE TYPE, 2013 - 2016, USD MILLION

Table 20 GLOBAL COGNITIVE RADIO MARKET BY SERVICE TYPE, 2017 - 2023,

USD MILLION

Table 21 GLOBAL COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY REGION, 2013 - 2016, USD MILLION

Table 22 GLOBAL COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY REGION, 2017 - 2023, USD MILLION

Table 23 GLOBAL COGNITIVE RADIO MANAGED SERVICES MARKET BY REGION, 2013 - 2016, USD MILLION

Table 24 GLOBAL COGNITIVE RADIO MANAGED SERVICES MARKET BY REGION, 2017 - 2023, USD MILLION

Table 25 GLOBAL COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 26 GLOBAL COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 27 GLOBAL SPECTRUM SENSING COGNITIVE RADIO MARKET BY REGION, 2013 - 2016, USD MILLION

Table 28 GLOBAL SPECTRUM SENSING COGNITIVE RADIO MARKET BY REGION, 2017 - 2023, USD MILLION

Table 29 GLOBAL SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY REGION, 2013 - 2016, USD MILLION

Table 30 GLOBAL SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY REGION, 2017 - 2023, USD MILLION

Table 31 GLOBAL SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY REGION, 2013 - 2016, USD MILLION

Table 32 GLOBAL SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY REGION, 2017 - 2023, USD MILLION

Table 33 GLOBAL LOCATION TRACKING COGNITIVE RADIO MARKET BY REGION, 2013 - 2016, USD MILLION

Table 34 GLOBAL LOCATION TRACKING COGNITIVE RADIO MARKET BY REGION, 2017 - 2023, USD MILLION

Table 35 GLOBAL OTHERS COGNITIVE RADIO MARKET BY REGION, 2013 - 2016, USD MILLION

Table 36 GLOBAL OTHERS COGNITIVE RADIO MARKET BY REGION, 2017 - 2023, USD MILLION

Table 37 GLOBAL COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 38 GLOBAL COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 39 GLOBAL COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY REGION, 2013 - 2016, USD MILLION

Table 40 GLOBAL COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY REGION, 2017 - 2023, USD MILLION

Table 41 GLOBAL COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY REGION, 2013 - 2016, USD MILLION

Table 42 GLOBAL COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY REGION, 2017 - 2023, USD MILLION

Table 43 GLOBAL COGNITIVE RADIO IN TRANSPORTATION MARKET BY REGION, 2013 - 2016, USD MILLION

Table 44 GLOBAL COGNITIVE RADIO IN TRANSPORTATION MARKET BY REGION, 2017 - 2023, USD MILLION

Table 45 GLOBAL COGNITIVE RADIO IN OTHERS MARKET BY REGION, 2013 - 2016, USD MILLION

Table 46 GLOBAL COGNITIVE RADIO IN OTHERS MARKET BY REGION, 2017 - 2023, USD MILLION

Table 47 GLOBAL COGNITIVE RADIO MARKET BY REGION, 2013 - 2016, USD MILLION

Table 48 GLOBAL COGNITIVE RADIO MARKET BY REGION, 2017 - 2023, USD MILLION

Table 49 NORTH AMERICA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 50 NORTH AMERICA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 51 NORTH AMERICA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 52 NORTH AMERICA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 53 NORTH AMERICA COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 54 NORTH AMERICA COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 55 NORTH AMERICA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 56 NORTH AMERICA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 57 NORTH AMERICA RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 58 NORTH AMERICA RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 59 NORTH AMERICA SPECTRUM ANALYZER MARKET BY COUNTRY, 2013 -

2016, USD MILLION

Table 60 NORTH AMERICA SPECTRUM ANALYZER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 61 NORTH AMERICA POLICY & CONFIGURATION DATABASE MANAGER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 62 NORTH AMERICA POLICY & CONFIGURATION DATABASE MANAGER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 63 NORTH AMERICA COGNITIVE RADIO HARDWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 64 NORTH AMERICA COGNITIVE RADIO HARDWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 65 NORTH AMERICA COGNITIVE RADIO SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 66 NORTH AMERICA COGNITIVE RADIO SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 67 NORTH AMERICA COGNITIVE RADIO MARKET BY SERVICE TYPE, 2013 - 2016, USD MILLION

Table 68 NORTH AMERICA COGNITIVE RADIO MARKET BY SERVICE TYPE, 2017 - 2023, USD MILLION

Table 69 NORTH AMERICA COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 70 NORTH AMERICA COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 71 NORTH AMERICA COGNITIVE RADIO MANAGED SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 72 NORTH AMERICA COGNITIVE RADIO MANAGED SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 73 NORTH AMERICA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 74 NORTH AMERICA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 75 NORTH AMERICA SPECTRUM SENSING COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 76 NORTH AMERICA SPECTRUM SENSING COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 77 NORTH AMERICA SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 78 NORTH AMERICA SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 79 NORTH AMERICA SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 80 NORTH AMERICA SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 81 NORTH AMERICA LOCATION TRACKING COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 82 NORTH AMERICA LOCATION TRACKING COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 83 NORTH AMERICA OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 84 NORTH AMERICA OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 85 NORTH AMERICA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 86 NORTH AMERICA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 87 NORTH AMERICA COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 88 NORTH AMERICA COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 89 NORTH AMERICA COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 90 NORTH AMERICA COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 91 NORTH AMERICA COGNITIVE RADIO IN TRANSPORTATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 92 NORTH AMERICA COGNITIVE RADIO IN TRANSPORTATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 93 NORTH AMERICA COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 94 NORTH AMERICA COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 95 NORTH AMERICA COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 96 NORTH AMERICA COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 97 US COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 98 US COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 99 US COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 100 US COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 101 US COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 102 US COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 103 US COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 104 US COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 105 US COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 106 US COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 107 US COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 108 US COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 109 CANADA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 110 CANADA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 111 CANADA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 112 CANADA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 113 CANADA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 114 CANADA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 115 CANADA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 116 CANADA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 117 CANADA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 118 CANADA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 119 CANADA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 120 CANADA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 121 MEXICO COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 122 MEXICO COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 123 MEXICO COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 124 MEXICO COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 125 MEXICO COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 126 MEXICO COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 127 MEXICO COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 128 MEXICO COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 129 MEXICO COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 130 MEXICO COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 131 MEXICO COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 132 MEXICO COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 133 REST OF NORTH AMERICA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 134 REST OF NORTH AMERICA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 135 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 136 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 137 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 138 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 139 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 140 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 141 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY

APPLICATION, 2013 - 2016, USD MILLION

Table 142 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 143 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 144 REST OF NORTH AMERICA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 145 EUROPE COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 146 EUROPE COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 147 EUROPE COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 148 EUROPE COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 149 EUROPE COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 150 EUROPE COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 151 EUROPE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 152 EUROPE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 153 EUROPE RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 154 EUROPE RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 155 EUROPE SPECTRUM ANALYZER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 156 EUROPE SPECTRUM ANALYZER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 157 EUROPE POLICY & CONFIGURATION DATABASE MANAGER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 158 EUROPE POLICY & CONFIGURATION DATABASE MANAGER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 159 EUROPE COGNITIVE RADIO HARDWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 160 EUROPE COGNITIVE RADIO HARDWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 161 EUROPE COGNITIVE RADIO SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 162 EUROPE COGNITIVE RADIO SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 163 EUROPE COGNITIVE RADIO MARKET BY SERVICE TYPE, 2013 - 2016, USD MILLION

Table 164 EUROPE COGNITIVE RADIO MARKET BY SERVICE TYPE, 2017 - 2023, USD MILLION

Table 165 EUROPE COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 166 EUROPE COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 167 EUROPE COGNITIVE RADIO MANAGED SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 168 EUROPE COGNITIVE RADIO MANAGED SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 169 EUROPE COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 170 EUROPE COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 171 EUROPE SPECTRUM SENSING COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 172 EUROPE SPECTRUM SENSING COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 173 EUROPE SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 174 EUROPE SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 175 EUROPE SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 176 EUROPE SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 177 EUROPE LOCATION TRACKING COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 178 EUROPE LOCATION TRACKING COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 179 EUROPE OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 180 EUROPE OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 181 EUROPE COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD

MILLION

Table 182 EUROPE COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 183 EUROPE COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 184 EUROPE COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 185 EUROPE COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 186 EUROPE COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 187 EUROPE COGNITIVE RADIO IN TRANSPORTATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 188 EUROPE COGNITIVE RADIO IN TRANSPORTATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 189 EUROPE COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 190 EUROPE COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 191 EUROPE COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 192 EUROPE COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 193 GERMANY COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 194 GERMANY COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 195 GERMANY COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 196 GERMANY COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 197 GERMANY COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 198 GERMANY COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 199 GERMANY COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 200 GERMANY COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 201 GERMANY COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 202 GERMANY COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 203 GERMANY COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 204 GERMANY COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 205 UK COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 206 UK COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 207 UK COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 208 UK COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 209 UK COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 210 UK COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 211 UK COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 212 UK COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 213 UK COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 214 UK COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 215 UK COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 216 UK COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 217 FRANCE COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 218 FRANCE COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 219 FRANCE COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 220 FRANCE COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 221 FRANCE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 222 FRANCE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 223 FRANCE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 224 FRANCE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023,

USD MILLION

Table 225 FRANCE COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016,
USD MILLION

Table 226 FRANCE COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023,
USD MILLION

Table 227 FRANCE COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD
MILLION

Table 228 FRANCE COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD
MILLION

Table 229 RUSSIA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 230 RUSSIA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 231 RUSSIA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD
MILLION

Table 232 RUSSIA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD
MILLION

Table 233 RUSSIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016,
USD MILLION

Table 234 RUSSIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023,
USD MILLION

Table 235 RUSSIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016,
USD MILLION

Table 236 RUSSIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023,
USD MILLION

Table 237 RUSSIA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016,
USD MILLION

Table 238 RUSSIA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023,
USD MILLION

Table 239 RUSSIA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD
MILLION

Table 240 RUSSIA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD
MILLION

Table 241 SPAIN COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 242 SPAIN COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 243 SPAIN COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 244 SPAIN COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 245 SPAIN COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016,
USD MILLION

Table 246 SPAIN COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023,
USD MILLION

Table 247 SPAIN COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 248 SPAIN COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 249 SPAIN COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 250 SPAIN COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 251 SPAIN COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 252 SPAIN COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 253 ITALY COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 254 ITALY COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 255 ITALY COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 256 ITALY COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 257 ITALY COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 258 ITALY COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 259 ITALY COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 260 ITALY COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 261 ITALY COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 262 ITALY COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 263 ITALY COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 264 ITALY COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 265 REST OF EUROPE COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 266 REST OF EUROPE COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 267 REST OF EUROPE COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 268 REST OF EUROPE COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023,

USD MILLION

Table 269 REST OF EUROPE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 270 REST OF EUROPE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 271 REST OF EUROPE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 272 REST OF EUROPE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 273 REST OF EUROPE COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 274 REST OF EUROPE COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 275 REST OF EUROPE COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 276 REST OF EUROPE COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 277 ASIA PACIFIC COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 278 ASIA PACIFIC COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 279 ASIA PACIFIC COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 280 ASIA PACIFIC COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 281 ASIA PACIFIC COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 282 ASIA PACIFIC COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 283 ASIA PACIFIC COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 284 ASIA PACIFIC COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 285 ASIA PACIFIC RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 286 ASIA PACIFIC RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 287 ASIA PACIFIC SPECTRUM ANALYZER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 288 ASIA PACIFIC SPECTRUM ANALYZER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 289 ASIA PACIFIC POLICY & CONFIGURATION DATABASE MANAGER
MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 290 ASIA PACIFIC POLICY & CONFIGURATION DATABASE MANAGER
MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 291 ASIA PACIFIC COGNITIVE RADIO HARDWARE MARKET BY COUNTRY,
2013 - 2016, USD MILLION

Table 292 ASIA PACIFIC COGNITIVE RADIO HARDWARE MARKET BY COUNTRY,
2017 - 2023, USD MILLION

Table 293 ASIA PACIFIC COGNITIVE RADIO SERVICES MARKET BY COUNTRY,
2013 - 2016, USD MILLION

Table 294 ASIA PACIFIC COGNITIVE RADIO SERVICES MARKET BY COUNTRY,
2017 - 2023, USD MILLION

Table 295 ASIA PACIFIC COGNITIVE RADIO MARKET BY SERVICE TYPE, 2013 -
2016, USD MILLION

Table 296 ASIA PACIFIC COGNITIVE RADIO MARKET BY SERVICE TYPE, 2017 -
2023, USD MILLION

Table 297 ASIA PACIFIC COGNITIVE RADIO PROFESSIONAL SERVICES MARKET
BY COUNTRY, 2013 - 2016, USD MILLION

Table 298 ASIA PACIFIC COGNITIVE RADIO PROFESSIONAL SERVICES MARKET
BY COUNTRY, 2017 - 2023, USD MILLION

Table 299 ASIA PACIFIC COGNITIVE RADIO MANAGED SERVICES MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 300 ASIA PACIFIC COGNITIVE RADIO MANAGED SERVICES MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 301 ASIA PACIFIC COGNITIVE RADIO MARKET BY APPLICATION, 2013 -
2016, USD MILLION

Table 302 ASIA PACIFIC COGNITIVE RADIO MARKET BY APPLICATION, 2017 -
2023, USD MILLION

Table 303 ASIA PACIFIC SPECTRUM SENSING COGNITIVE RADIO MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 304 ASIA PACIFIC SPECTRUM SENSING COGNITIVE RADIO MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 305 ASIA PACIFIC SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 306 ASIA PACIFIC SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 307 ASIA PACIFIC SPECTRUM ALLOCATION COGNITIVE RADIO MARKET
BY COUNTRY, 2013 - 2016, USD MILLION

Table 308 ASIA PACIFIC SPECTRUM ALLOCATION COGNITIVE RADIO MARKET

BY COUNTRY, 2017 - 2023, USD MILLION

Table 309 ASIA PACIFIC LOCATION TRACKING COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 310 ASIA PACIFIC LOCATION TRACKING COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 311 ASIA PACIFIC OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 312 ASIA PACIFIC OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 313 ASIA PACIFIC COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 314 ASIA PACIFIC COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 315 ASIA PACIFIC COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 316 ASIA PACIFIC COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 317 ASIA PACIFIC COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 318 ASIA PACIFIC COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 319 ASIA PACIFIC COGNITIVE RADIO IN TRANSPORTATION MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 320 ASIA PACIFIC COGNITIVE RADIO IN TRANSPORTATION MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 321 ASIA PACIFIC COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 322 ASIA PACIFIC COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 323 ASIA PACIFIC COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 324 ASIA PACIFIC COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 325 CHINA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 326 CHINA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 327 CHINA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 328 CHINA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 329 CHINA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 330 CHINA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 331 CHINA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 332 CHINA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 333 CHINA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 334 CHINA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 335 CHINA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 336 CHINA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 337 JAPAN COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 338 JAPAN COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 339 JAPAN COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 340 JAPAN COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 341 JAPAN COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 342 JAPAN COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 343 JAPAN COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 344 JAPAN COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 345 JAPAN COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 346 JAPAN COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 347 JAPAN COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 348 JAPAN COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 349 INDIA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 350 INDIA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 351 INDIA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 352 INDIA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 353 INDIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016,

USD MILLION

Table 354 INDIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023,
USD MILLION

Table 355 INDIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016,
USD MILLION

Table 356 INDIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023,
USD MILLION

Table 357 INDIA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD
MILLION

Table 358 INDIA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD
MILLION

Table 359 INDIA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD
MILLION

Table 360 INDIA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD
MILLION

Table 361 SOUTH KOREA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 362 SOUTH KOREA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 363 SOUTH KOREA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD
MILLION

Table 364 SOUTH KOREA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD
MILLION

Table 365 SOUTH KOREA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013
- 2016, USD MILLION

Table 366 SOUTH KOREA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017
- 2023, USD MILLION

Table 367 SOUTH KOREA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 -
2016, USD MILLION

Table 368 SOUTH KOREA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 -
2023, USD MILLION

Table 369 SOUTH KOREA COGNITIVE RADIO MARKET BY APPLICATION, 2013 -
2016, USD MILLION

Table 370 SOUTH KOREA COGNITIVE RADIO MARKET BY APPLICATION, 2017 -
2023, USD MILLION

Table 371 SOUTH KOREA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016,
USD MILLION

Table 372 SOUTH KOREA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023,
USD MILLION

Table 373 SINGAPORE COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 374 SINGAPORE COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 375 SINGAPORE COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 376 SINGAPORE COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 377 SINGAPORE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 378 SINGAPORE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 379 SINGAPORE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 380 SINGAPORE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 381 SINGAPORE COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 382 SINGAPORE COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 383 SINGAPORE COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 384 SINGAPORE COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 385 MALAYSIA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 386 MALAYSIA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 387 MALAYSIA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 388 MALAYSIA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 389 MALAYSIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 390 MALAYSIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 391 MALAYSIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 392 MALAYSIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 393 MALAYSIA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 394 MALAYSIA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 395 MALAYSIA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD

MILLION

Table 396 MALAYSIA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 397 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 398 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 399 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 400 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 401 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 402 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 403 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 404 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 405 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 406 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 407 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 408 REST OF ASIA PACIFIC COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 409 LAMEA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 410 LAMEA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 411 LAMEA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 412 LAMEA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 413 LAMEA COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 414 LAMEA COGNITIVE RADIO SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 415 LAMEA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 416 LAMEA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 417 LAMEA RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 418 LAMEA RADIO CONTROL & RECONFIGURATION TOOLS SOFTWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 419 LAMEA SPECTRUM ANALYZER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 420 LAMEA SPECTRUM ANALYZER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 421 LAMEA POLICY & CONFIGURATION DATABASE MANAGER MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 422 LAMEA POLICY & CONFIGURATION DATABASE MANAGER MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 423 LAMEA COGNITIVE RADIO HARDWARE MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 424 LAMEA COGNITIVE RADIO HARDWARE MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 425 LAMEA COGNITIVE RADIO SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 426 LAMEA COGNITIVE RADIO SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 427 LAMEA COGNITIVE RADIO MARKET BY SERVICE TYPE, 2013 - 2016, USD MILLION

Table 428 LAMEA COGNITIVE RADIO MARKET BY SERVICE TYPE, 2017 - 2023, USD MILLION

Table 429 LAMEA COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 430 LAMEA COGNITIVE RADIO PROFESSIONAL SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 431 LAMEA COGNITIVE RADIO MANAGED SERVICES MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 432 LAMEA COGNITIVE RADIO MANAGED SERVICES MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 433 LAMEA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 434 LAMEA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 435 LAMEA SPECTRUM SENSING COGNITIVE RADIO MARKET BY

COUNTRY, 2013 - 2016, USD MILLION

Table 436 LAMEA SPECTRUM SENSING COGNITIVE RADIO MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 437 LAMEA SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 438 LAMEA SPECTRUM ANALYSIS COGNITIVE RADIO MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 439 LAMEA SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 440 LAMEA SPECTRUM ALLOCATION COGNITIVE RADIO MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 441 LAMEA LOCATION TRACKING COGNITIVE RADIO MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 442 LAMEA LOCATION TRACKING COGNITIVE RADIO MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 443 LAMEA OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2013 -
2016, USD MILLION

Table 444 LAMEA OTHERS COGNITIVE RADIO MARKET BY COUNTRY, 2017 -
2023, USD MILLION

Table 445 LAMEA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD
MILLION

Table 446 LAMEA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD
MILLION

Table 447 LAMEA COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 448 LAMEA COGNITIVE RADIO IN GOVERNMENT & DEFENSE MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 449 LAMEA COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 450 LAMEA COGNITIVE RADIO IN TELECOMMUNICATION MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 451 LAMEA COGNITIVE RADIO IN TRANSPORTATION MARKET BY
COUNTRY, 2013 - 2016, USD MILLION

Table 452 LAMEA COGNITIVE RADIO IN TRANSPORTATION MARKET BY
COUNTRY, 2017 - 2023, USD MILLION

Table 453 LAMEA COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2013 -
2016, USD MILLION

Table 454 LAMEA COGNITIVE RADIO IN OTHERS MARKET BY COUNTRY, 2017 -
2023, USD MILLION

Table 455 LAMEA COGNITIVE RADIO MARKET BY COUNTRY, 2013 - 2016, USD MILLION

Table 456 LAMEA COGNITIVE RADIO MARKET BY COUNTRY, 2017 - 2023, USD MILLION

Table 457 BRAZIL COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 458 BRAZIL COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 459 BRAZIL COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 460 BRAZIL COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 461 BRAZIL COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 462 BRAZIL COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 463 BRAZIL COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 464 BRAZIL COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 465 BRAZIL COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 466 BRAZIL COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 467 BRAZIL COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 468 BRAZIL COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 469 ARGENTINA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 470 ARGENTINA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 471 ARGENTINA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 472 ARGENTINA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 473 ARGENTINA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 474 ARGENTINA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 475 ARGENTINA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 476 ARGENTINA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 -

2023, USD MILLION

Table 477 ARGENTINA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 478 ARGENTINA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 479 ARGENTINA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 480 ARGENTINA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 481 UAE COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 482 UAE COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 483 UAE COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 484 UAE COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 485 UAE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 486 UAE COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 487 UAE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 488 UAE COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 489 UAE COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 490 UAE COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 491 UAE COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 492 UAE COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 493 SAUDI ARABIA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 494 SAUDI ARABIA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 495 SAUDI ARABIA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 496 SAUDI ARABIA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 497 SAUDI ARABIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 498 SAUDI ARABIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 499 SAUDI ARABIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 500 SAUDI ARABIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 501 SAUDI ARABIA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 502 SAUDI ARABIA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 503 SAUDI ARABIA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 504 SAUDI ARABIA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 505 SOUTH AFRICA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 506 SOUTH AFRICA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 507 SOUTH AFRICA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 508 SOUTH AFRICA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 509 SOUTH AFRICA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 510 SOUTH AFRICA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 511 SOUTH AFRICA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 512 SOUTH AFRICA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 513 SOUTH AFRICA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 514 SOUTH AFRICA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 515 SOUTH AFRICA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 516 SOUTH AFRICA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 517 NIGERIA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 518 NIGERIA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 519 NIGERIA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 520 NIGERIA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD

MILLION

Table 521 NIGERIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 522 NIGERIA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 523 NIGERIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 524 NIGERIA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 525 NIGERIA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 526 NIGERIA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 527 NIGERIA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 528 NIGERIA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 529 REST OF LAMEA COGNITIVE RADIO MARKET, 2013 - 2016, USD MILLION

Table 530 REST OF LAMEA COGNITIVE RADIO MARKET, 2017 - 2023, USD MILLION

Table 531 REST OF LAMEA COGNITIVE RADIO MARKET BY TYPE, 2013 - 2016, USD MILLION

Table 532 REST OF LAMEA COGNITIVE RADIO MARKET BY TYPE, 2017 - 2023, USD MILLION

Table 533 REST OF LAMEA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2013 - 2016, USD MILLION

Table 534 REST OF LAMEA COGNITIVE RADIO MARKET BY SOFTWARE TYPE, 2017 - 2023, USD MILLION

Table 535 REST OF LAMEA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2013 - 2016, USD MILLION

Table 536 REST OF LAMEA COGNITIVE RADIO MARKET BY SERVICES TYPE, 2017 - 2023, USD MILLION

Table 537 REST OF LAMEA COGNITIVE RADIO MARKET BY APPLICATION, 2013 - 2016, USD MILLION

Table 538 REST OF LAMEA COGNITIVE RADIO MARKET BY APPLICATION, 2017 - 2023, USD MILLION

Table 539 REST OF LAMEA COGNITIVE RADIO MARKET BY VERTICAL, 2013 - 2016, USD MILLION

Table 540 REST OF LAMEA COGNITIVE RADIO MARKET BY VERTICAL, 2017 - 2023, USD MILLION

Table 541 KEY INFORMATION – BAE SYSTEMS

Table 542 KEY INFORMATION – RAYTHEON COMPANY

Table 543 KEY INFORMATION – THALES GROUP S.A.

Table 544 KEY INFORMATION – VECIMA NETWORKS (SPECTRUM SIGNAL PROCESSING)

Table 545 KEY INFORMATION – XG TECHNOLOGY

Table 546 KEY INFORMATION – ROHDE & SCHWARZ

Table 547 KEY INFORMATION – NURAN WIRELESS INC. (NUTAQ)

Table 548 KEY INFORMATION – DATASOFT CORPORATION

Table 549 KEY INFORMATION – KYYNEL

Table 550 KEY INFORMATION – SHARED SPECTRUM COMPANY

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