

# NA Satellite Transponder Market - Industry Trends and Forecast to 2030

Market Report | 2022-12-01 | 160 pages | Data Bridge Market Research

#### **AVAILABLE LICENSES:**

- Single User License \$3500.00
- Corporate Users License \$4200.00

### Report description:

North America satellite transponder market is projected to register a CAGR of 4.9% in the forecast period of 2023 to 2030. The new market report contains data for the historic year 2021, the base year of calculation is 2022, and the forecast period is 2023 to 2030.

#### Market Segmentation:

North America Satellite Transponder Market, By Service (Leasing, Maintenance and Support), Type (Bent Pipe Transponders, Regenerative Transponders), Amplifier Type (Solid-State Power Amplifiers (SSPA), Traveling Wave Tube Amplifiers (TWTA)), Bandwidth (C-Band, KA-Band, KU-Band, K-Band), Application (Commercial Communication, Government Communication, Navigation, Remote Sensing, Research & Development (R&D)), End User (Media & Broadcasting, Data & Telecoms) Industry Trends and Forecast to 2030.

Some of the major factors contributing to the growth of the North America satellite transponder market are:

- The rise in demand for satellite communication and earth observation
- Increase in the number of small satellites in earth's orbits

#### Market Players

Some of the major players operating in the North America satellite transponder market are:

- EUTELSAT COMMUNICATIONS SA
- Intelsat
- AMOS Spacecom
- L3Harris Technologies, Inc.

Scotts International. EU Vat number: PL 6772247784

- Thaicom Public Company Limited.
- Syrlinks
- Hispasat
- IMT srl
- satsearch B.V.
- General Dynamics Corporation
- APT Satellite Co. Ltd
- Lockheed Martin Corporation
- Boeing
- Singtel
- ISRO
- Thales
- Romantis GmbH
- kt sat
- MEASAT
- ABS

#### **Table of Contents:**

TABLE OF CONTENTS

- 1 INTRODUCTION 29
- 1.1 OBJECTIVES OF THE STUDY 29
- 1.2 MARKET DEFINITION 29
- 1.3 OVERVIEW OF THE NORTH AMERICA SATELLITE TRANSPONDER MARKET 29
- 1.4 CURRENCY AND PRICING 31
- 1.5 LIMITATIONS 31
- 1.6 MARKETS COVERED 31
- 2 MARKET SEGMENTATION 35
- 2.1 MARKETS COVERED 35
- 2.2 GEOGRAPHICAL SCOPE 36
- 2.3 YEARS CONSIDERED FOR THE STUDY 37
- 2.4 DBMR TRIPOD DATA VALIDATION MODEL 38
- 2.5 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS 41
- 2.6 DBMR MARKET POSITION GRID 42
- 2.7 VENDOR SHARE ANALYSIS 43
- 2.8 APPLICATION COVERAGE GRID 44
- 2.9 MULTIVARIATE MODELING 45
- 2.10 SERVICE TIMELINE CURVE 45
- 2.11 SECONDARY SOURCES 46
- 2.12 ASSUMPTIONS 47
- 3 EXECUTIVE SUMMARY 48
- 4 PREMIUM INSIGHTS 51
- 4.1 PESTEL ANALYSIS 52
- 4.2 PORTERS ANALYSIS 53
- 4.3 REGULATORY LANDSCAPE 54

Scotts International. EU Vat number: PL 6772247784

- 4.3.1 LICENSING REGIME OF DOT FOR SATELLITE-BASED COMMUNICATION SERVICES 54
- 4.3.2 SPECTRUM ALLOTMENT AND USE 54
- 4.4 TECHNOLOGICAL ADVANCEMENT 56
- 4.5 PATENT ANALYSIS 58
- 4.5.1 COMMUNICATION SATELLITE TRANSPONDER INTERCONNECTION UTILIZING VARIABLE BANDPASS FILTER 58
- 4.5.2 VARIABLE BANDWIDTH FILTERING AND FREQUENCY CONVERTING SYSTEM 58
- 4.5.3 FREQUENCY AGILE SATELLITE RECEIVER 59
- 4.5.4 AGILE BANDPASS FILTER 59
- 4.5.5 METHOD AND APPARATUS FOR FILTERING RADIO FREQUENCY SIGNALS 59
- 4.6 VALUE CHAIN ANALYSIS 60
- 4.7 CASE STUDY 61
- 4.7.1 EUTELSAT COMMUNICATIONS SA 61
- **5 MARKET OVERVIEW 62**
- **5.1 DRIVERS 64**
- 5.1.1 RISE IN DEMAND FOR SATELLITE COMMUNICATION AND EARTH OBSERVATION 64
- 5.1.2 INCREASE IN THE NUMBER OF SMALL SATELLITES IN EARTH ORBITS 65
- 5.1.3 GROW IN DEMAND FOR SATELLITE IOT AND M2M SERVICES 65
- 5.1.4 INCREASING DEMAND FOR BROADBAND OVER SATELLITE 66
- 5.2 RESTRAINTS 67
- 5.2.1 HIGH COST ASSOCIATED WITH THE SATELLITE LAUNCH AND TRANSPONDER LEASING SERVICES 67
- 5.2.2 HAZARDOUS ENVIRONMENTAL IMPACT OF SATELLITE LAUNCH 68
- 5.3 OPPORTUNITIES 68
- 5.3.1 INCREASING GOVERNMENT FUNDING IN SATELLITE DEVELOPMENT AND THE SPACE SECTOR 68
- 5.3.2 INCREASING PARTNERSHIP, ACQUISITION AND COLLABORATION AMONG MARKET PLAYERS 69
- 5.3.3 RISING DEMAND FOR KU-BAND SERVICES 70
- 5.3.4 ADVANCEMENT IN THE SATELLITE TRANSPONDER TECHNOLOGY 70
- 5.4 CHALLENGES 71
- 5.4.1 LIMITATIONS DUE TO REGULATORY FRAMEWORK 71
- 5.4.2 CYBERSECURITY THREATS IN COMMERCIAL COMMUNICATION NETWORKS 71
- 6 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY SERVICE 73
- 6.1 OVERVIEW 74
- 6.2 LEASING 75
- 6.3 MAINTENANCE AND SUPPORT 76
- 6.4 OTHERS 77
- 7 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY TYPE 78
- **7.1 OVERVIEW 79**
- 7.2 BENT PIPE TRANSPONDERS 80
- 7.3 REGENERATIVE TRANSPONDERS 81
- 8 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY AMPLIFIER TYPE 82
- 8.1 OVERVIEW 83
- 8.2 TRAVELLING WAVE TUBE AMPLIFIER (TWTA) 84
- 8.3 SOLID STATE POWER AMPLIFIER (SSPA) 85
- 9 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY BANDWIDTH 86
- 9.1 OVERVIEW 87
- 9.2 C-BAND 88
- 9.3 KU-BAND 89
- 9.4 KA-BAND 90

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.5 K-BAND 91
- 9.6 OTHERS 92
- 10 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY APPLICATION 93
- 10.1 OVERVIEW 94
- 10.2 COMMERCIAL COMMUNICATION 95
- 10.2.1 VIDEO DISTRIBUTION 96
- 10.2.2 DTH 96
- 10.2.3 BROADBAND SATELLITE ACCESS SERVICES 96
- 10.2.4 LEGACY TELEPHONE AND CARRIER SERVICES 96
- 10.2.5 COMMERCIAL MOBILITY SERVICES 96
- 10.2.6 ENTERPRISE DATA SERVICE 97
- 10.2.7 OAKLAND UNIVERSITY TV (OUTV) 97
- 10.2.8 OTHERS 97
- 10.3 NAVIGATION 97
- 10.4 GOVERNMENT COMMUNICATION 98
- 10.5 REMOTE SENSING 99
- 10.6 RESEARCH AND DEVELOPMENT (R&D) 100
- 10.7 OTHERS 101
- 11 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY END USER 102
- 11.1 OVERVIEW 103
- 11.2 MEDIA AND BROADCASTING 104
- 11.3 DATA AND TELECOMS 105
- 12 NORTH AMERICA SATELLITE TRANSPONDER MARKET, BY REGION 106
- 12.1 NORTH AMERICA 107
- 12.1.1 U.S. 113
- 12.1.2 CANADA 115
- 12.1.3 MEXICO 117
- 13 NORTH AMERICA SATELLITE TRANSPONDER MARKET: COMPANY LANDSCAPE 119
- 13.1 COMPANY SHARE ANALYSIS: NORTH AMERICA 119
- 14 SWOT ANALYSIS 120
- 15 COMPANY PROFILING 121
- 15.1 LOCKHEED MARTIN CORPORATION 121
- 15.1.1 COMPANY SNAPSHOT 121
- 15.1.2 REVENUE ANALYSIS 121
- 15.1.3 COMPANY SHARE ANALYSIS 122
- 15.1.4 PRODUCT PORTFOLIO 122
- 15.1.5 RECENT DEVELOPMENTS 122
- 15.2 GENERAL DYNAMICS MISSION SYSTEMS, INC. 123
- 15.2.1 COMPANY SNAPSHOT 123
- 15.2.2 REVENUE ANALYSIS 123
- 15.2.3 COMPANY SHARE ANALYSIS 124
- 15.2.4 PRODUCT PORTFOLIO 124
- 15.2.5 RECENT DEVELOPMENTS 125
- 15.3 THALES 126
- 15.3.1 COMPANY SNAPSHOT 126
- 15.3.2 REVENUE ANALYSIS 126
- 15.3.3 COMPANY SHARE ANALYSIS 127

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 15.3.4 PRODUCT PORTFOLIO 127
- 15.3.5 RECENT DEVELOPMENTS 127
- 15.4 BOEING 128
- 15.4.1 COMPANY SNAPSHOT 128
- 15.4.2 REVENUE ANALYSIS 128
- 15.4.3 COMPANY SHARE ANALYSIS 129
- 15.4.4 PRODUCT PORTFOLIO 129
- 15.4.5 RECENT DEVELOPMENTS 130
- 15.5 L3HARRIS TECHNOLOGIES, INC. 131
- 15.5.1 COMPANY SNAPSHOT 131
- 15.5.2 REVENUE ANALYSIS 131
- 15.5.3 COMPANY SHARE ANALYSIS 132
- 15.5.4 PRODUCT PORTFOLIO 132
- 15.5.5 RECENT DEVELOPMENTS 133
- 15.6 ABS 134
- 15.6.1 COMPANY SNAPSHOT 134
- 15.6.2 SOLUTION PORTFOLIO 134
- 15.6.3 RECENT DEVELOPMENTS 134
- 15.7 AMOS SPACECOM 135
- 15.7.1 COMPANY SNAPSHOT 135
- 15.7.2 REVENUE ANALYSIS 135
- 15.7.3 PRODUCT PORTFOLIO 136
- 15.7.4 RECENT DEVELOPMENTS 136
- 15.8 APT SATELLITE CO. LTD / APSTAR 137
- 15.8.1 COMPANY SNAPSHOT 137
- 15.8.2 SERVICE PORTFOLIO 137
- 15.8.3 RECENT DEVELOPMENTS 137
- 15.9 EUTELSAT COMMUNICATIONS SA 138
- 15.9.1 COMPANY SNAPSHOT 138
- 15.9.2 REVENUE ANALYSIS 139
- 15.9.3 SOLUTION PORTFOLIO 139
- 15.9.4 RECENT DEVELOPMENTS 140
- 15.10 HISPASAT 141
- 15.10.1 COMPANY SNAPSHOT 141
- 15.10.2 PRODUCT PORTFOLIO 141
- 15.10.3 RECENT DEVELOPMENTS 141
- 15.11 IMT SRL 142
- 15.11.1 COMPANY SNAPSHOT 142
- 15.11.2 PRODUCT PORTFOLIO 142
- 15.11.3 RECENT DEVELOPMENTS 142
- 15.12 INTELSAT 143
- 15.12.1 COMPANY SNAPSHOT 143
- 15.12.2 SOLUTION PORTFOLIO 143
- 15.12.3 RECENT DEVELOPMENTS 144
- 15.13 ISRO 145
- 15.13.1 COMPANY SNAPSHOT 145
- 15.13.2 SERVICE PORTFOLIO 145

## Scotts International. EU Vat number: PL 6772247784

- 15.13.3 RECENT DEVELOPMENTS 145
- 15.14 KT SAT 146
- 15.14.1 COMPANY SNAPSHOT 146
- 15.14.2 SERVICE PORTFOLIO 146
- 15.14.3 RECENT DEVELOPMENTS 146
- 15.15 MEASAT 147
- 15.15.1 COMPANY SNAPSHOT 147
- 15.15.2 SOLUTION PORTFOLIO 147
- 15.15.3 RECENT DEVELOPMENTS 148
- 15.16 ROMANTIS 149
- 15.16.1 COMPANY SNAPSHOT 149
- 15.16.2 SERVICE PORTFOLIO 149
- 15.16.3 RECENT DEVELOPMENTS 149
- 15.17 SATSEARCH B.V. 150
- 15.17.1 COMPANY SNAPSHOT 150
- 15.17.2 PRODUCT PORTFOLIO 150
- 15.17.3 RECENT DEVELOPMENTS 150
- 15.18 SINGTEL 151
- 15.18.1 COMPANY SNAPSHOT 151
- 15.18.2 REVENUE ANALYSIS 151
- 15.18.3 PRODUCT PORTFOLIO 152
- 15.18.4 RECENT DEVELOPMENT 152
- 15.19 SYRLINKS 153
- 15.19.1 COMPANY SNAPSHOT 153
- 15.19.2 PRODUCT PORTFOLIO 153
- 15.19.3 RECENT DEVELOPMENTS 153
- 15.20 THAICOM PUBLIC COMPANY LIMITED 154
- 15.20.1 COMPANY SNAPSHOT 154
- 15.20.2 REVENUE ANALYSIS 154
- 15.20.3 SOLUTION PORTFOLIO 155
- 15.20.4 RECENT DEVELOPMENTS 155
- 16 QUESTIONNAIRE 156
- 17 RELATED REPORTS 160



Print this form

To place an Order with Scotts International:

Complete the relevant blank fields and sign

# NA Satellite Transponder Market - Industry Trends and Forecast to 2030

Market Report | 2022-12-01 | 160 pages | Data Bridge Market Research

elect license	License			Price
	Single User License			\$3500.00
	Corporate Users License			\$4200.00
				VAT
				Total
mail*		Phone*		
	at 23% for Polish based companies, indiv		·	
mail*		Phone*		
rst Name*		Last Name*		
		Last Name*		
bb title*		Last Name*  EU Vat / Tax ID /	NIP number*	
ob title* ompany Name*			NIP number*	
ob title* Company Name* ddress*		EU Vat / Tax ID /	NIP number*	
ob title* ompany Name* ddress*		EU Vat / Tax ID / City*	NIP number*  2025-06-25	
irst Name*  ob title*  Company Name*  ddress*  Cip Code*		EU Vat / Tax ID / City* Country* Date		
ob title* Company Name* ddress*		EU Vat / Tax ID / City* Country*		