

Table of Contents – Broadband Access and Home Networking

	Page No.
Executive Summary	
Significant Changes	1
Overview	1
Definitions	6
Vendor Product Maps	8
Methodology	10
 Worldwide Tables (Mfg. Revenue, Units and/or Ports, Mfg. ASP)	
Table 1: Worldwide Broadband Access Market — Total (Access Concentrators + CPE).....	1
Table 2: Worldwide Broadband Access Market — Access Concentrators (Cable + DSL + PON + Fixed Wireless)	2
Table 3: Worldwide Broadband Access Market — CPE (Cable + DSL + PON + Fixed Wireless).....	3
Table 4: Worldwide Broadband Access Market — Cable Access Concentrators.....	4
Table 5: Worldwide Broadband Access Market — CCAP/CCAP Core.....	5
Table 6: Worldwide Broadband Access Market — Remote PHY Devices (RPDs).....	6
Table 7: Worldwide Broadband Access Market — Remote MACPHY Devices (RMDs)	7
Table 8: Worldwide Broadband Access Market — Remote OLTs (R-OLTs)	8
Table 9: Worldwide Broadband Access Market — Virtual CMTS/CCAP	9
Table 10: Worldwide Broadband Access Market — Cable CPE.....	10
Table 11: Worldwide Broadband Access Market — DSL Access Concentrators — Total	11
Table 12: Worldwide Broadband Access Market — DSL CPE — Total (Modems + Routers Data-Only + Routers Voice-and-Data)	12
Table 13: Worldwide Broadband Access Market — PON Access Concentrators — Total.....	13
Table 14: Worldwide Broadband Access Market — PON CPE (ONT) — Total (Single User + Multiple User).....	16
Table 15: Worldwide Broadband Access Market — PON CPE (ONT) — Single User	19
Table 16: Worldwide Broadband Access Market — PON CPE (ONT) — Multiple User.....	22
Table 17: Worldwide Broadband Access Market — Fixed Wireless CPE	25
Table 18: Regional Broadband Access Market — Total (Access Concentrators + CPE)	28
Table 19: Regional Broadband Access Market — Cable Access Concentrators	29
Table 20: Regional Broadband Access Market — Cable CPE	30
Table 21: Regional Broadband Access Market — Cable CPE — DOCSIS 3.0	31
Table 22: Regional Broadband Access Market — Cable CPE — DOCSIS 3.1	32
Table 23: Regional Broadband Access Market — DSL Access Concentrators	33
Table 24: Regional Broadband Access Market — DSL CPE	34
Table 25: Regional Broadband Access Market — PON Access Concentrators.....	35
Table 26: Regional Broadband Access Market — PON CPE.....	36
Table 27: Regional Broadband Access Market — Fixed Wireless CPE.....	37
Table 28: Worldwide Wireless LAN Market — Total Residential (Access Points + Wireless Routers + BB CPE)	38
Table 29: Worldwide Wireless LAN Market — Total Residential by WiFi Type	40
Table 30: Worldwide Wireless LAN Market — Residential Access Points	41
Table 31: Worldwide Wireless LAN Market — Residential Wireless Routers	42
Table 32: Worldwide Wireless LAN Market — Residential Broadband CPE with WLAN.....	43
Table 33: Regional Wireless LAN Market — Residential (Access Points + Wireless Routers + Broadband CPE).....	44

Table of Contents – Broadband Access and Home Networking

Page No.

Vendor Tables

Cable Access Concentrators

Worldwide – Total – Mfg Revenue, Total Channels, Mfg Downstream Channel ASP	45
Worldwide – Downstream Channels	48
Worldwide – Upstream Channels	49
Worldwide – Video QAM Channels.....	50
Worldwide – CCAP/CCAP Core – Mfg Revenue, Total DOCSIS 3.0/3.1 Downstream/Upstream Channels, Mfg Downstream Channel ASP.....	51
Regions Shipments – CCAP/CCAP Core – North America – Total DOCSIS Channels	55
Regions Shipments – CCAP/CCAP Core – Europe, Middle East, and Africa (EMEA) – Total DOCSIS Channels	56
Regions Shipments – CCAP/CCAP Core – Asia Pacific – Total DOCSIS Channels	57
Regions Shipments – CCAP/CCAP Core – Caribbean and Latin America (CALA) – Total DOCSIS Channels	58
Regions Revenue – CCAP/CCAP Core – North America – Mfg Revenue.....	59
Regions Revenue – CCAP/CCAP Core – Europe, Middle East, and Africa (EMEA) – Mfg Revenue	60
Regions Revenue – CCAP/CCAP Core – Asia Pacific – Mfg Revenue	61
Regions Revenue – CCAP/CCAP Core – Caribbean and Latin America (CALA) – Mfg Revenue	62
Worldwide – Remote PHY Devices (RPDs) – Total – Mfg Revenue, Units, Mfg ASP per Unit	63
Worldwide – Remote MACPHY Devices (RMDs) – Total – Mfg Revenue, Units, Mfg ASP per Unit.....	66
Worldwide – Remote OLTs (R-OLTs) – Total – Mfg Revenue, Units, Mfg ASP per Unit.....	69
Worldwide – vCMTS/CCAP – Mfg Revenue, Total DOCSIS 3.0/3.1 Downstream/Upstream Channels, Mfg Downstream Channel ASP.....	72
Regions Shipments – Total – North America – Total DOCSIS Channels	76
Regions Shipments – Total – Europe, Middle East, and Africa (EMEA) – Total DOCSIS Channels	77
Regions Shipments – Total – Asia Pacific – Total DOCSIS Channels	78
Regions Shipments – Total – Caribbean and Latin America (CALA) – Total DOCSIS Channels	79
Regions Revenue – Total – North America – Mfg Revenue.....	80
Regions Revenue – Total – Europe, Middle East, and Africa (EMEA) – MFG Revenue.....	81
Regions Revenue – Total – Asia Pacific – Mfg Revenue	82
Regions Revenue – Total – Caribbean and Latin America (CALA) – Mfg Revenue	83

Cable CPE

Worldwide – Total – Mfg Revenue, Units, Mfg Unit ASP.....	84
Worldwide – Data-Only Mfg Revenue, Units, Mfg Unit ASP	87
Worldwide – Voice-and-Data Mfg Revenue, Units, Mfg Unit ASP.....	90
Worldwide – DOCSIS 3.0 – Data-Only Mfg Revenue, Units, Mfg Unit ASP.....	93
Worldwide – DOCSIS 3.0 – Voice-and-Data Mfg Revenue, Units, Mfg Unit ASP	96
Worldwide – DOCSIS 3.1 – Data-Only Mfg Revenue, Units, Mfg Unit ASP.....	99
Worldwide – DOCSIS 3.1 – Voice-and-Data Mfg Revenue, Units, Mfg Unit ASP	102
Regions Shipments – North America – Total Units.....	105
Regions Shipments – Europe, Middle East, and Africa (EMEA) – Total Units	106
Regions Shipments – Asia Pacific – Total Units	107
Regions Shipments – Caribbean and Latin America (CALA) – Total Units	108
Regions Shipments – North America – Total DOCSIS 3.0 Units.....	109
Regions Shipments – Europe, Middle East, and Africa (EMEA) – Total DOCSIS 3.0 Units.....	110
Regions Shipments – Asia Pacific – Total DOCSIS 3.0 Units	111
Regions Shipments – Caribbean and Latin America (CALA) – Total DOCSIS 3.0 Units	112
Regions Shipments – North America – Total DOCSIS 3.1 Units.....	113
Regions Shipments – Europe, Middle East, and Africa (EMEA) – Total DOCSIS 3.1 Units.....	114
Regions Shipments – Asia Pacific – Total DOCSIS 3.1 Units	115
Regions Shipments – Caribbean and Latin America (CALA) – Total DOCSIS 3.1 Units	116
Regions Revenue – North America – Mfg Revenue.....	117
Regions Revenue – Europe, Middle East, and Africa (EMEA) – Mfg Revenue.....	118
Regions Revenue – Asia Pacific – Mfg Revenue.....	119

Table of Contents – Broadband Access and Home Networking

Page No.

Regions Revenue – Caribbean and Latin America (CALA) – Mfg Revenue.....	120
---	-----

DSL Access Concentrators

Worldwide – Total – Mfg Revenue, Ports, Mfg Port ASP.....	121
Worldwide – Total VDSL – Mfg Revenue, Ports, Mfg Port ASP	124
Worldwide – VDSL – Mfg Revenue, Ports, Mfg Port ASP	127
Worldwide – VDSL Profile 35b – Mfg Revenue, Ports, Mfg Port ASP	130
Worldwide – Gfast – Mfg Revenue, Ports, Mfg Port ASP.....	133
Regions Shipments – North America – Ports.....	136
Regions Shipments – Europe, Middle East, and Africa (EMEA) – Ports	137
Regions Shipments – Asia Pacific – Ports	138
Regions Shipments – Caribbean and Latin America (CALA) – Ports	139
Regions Shipments – Total VDSL – North America – Ports	140
Regions Shipments – Total VDSL – Europe, Middle East, and Africa (EMEA) – Ports.....	141
Regions Shipments – Total VDSL – Asia Pacific – Ports.....	142
Regions Shipments – Total VDSL – Caribbean and Latin America – Ports	143
Regions Shipments – VDSL – North America – Ports	144
Regions Shipments – VDSL – Europe, Middle East, and Africa (EMEA) – Ports.....	145
Regions Shipments – VDSL – Asia Pacific – Ports.....	146
Regions Shipments – VDSL – Caribbean and Latin America – Ports	147
Regions Shipments – VDSL Profile 35b – North America – Ports.....	148
Regions Shipments – VDSL Profile 35b – Europe, Middle East, and Africa (EMEA) – Ports	149
Regions Shipments – VDSL Profile 35b – Asia Pacific – Ports	150
Regions Shipments – VDSL Profile 35b – Caribbean and Latin America – Ports.....	151
Regions Shipments – Gfast – North America – Ports	152
Regions Shipments – Gfast – Europe, Middle East, and Africa (EMEA) – Ports.....	153
Regions Shipments – Gfast – Asia Pacific – Ports.....	154
Regions Shipments – Gfast – Caribbean and Latin America – Ports	155
Regions Revenue – North America – Mfg Revenue.....	156
Regions Revenue – Europe, Middle East, and Africa (EMEA) – Mfg Revenue.....	157
Regions Revenue – Asia Pacific – Mfg Revenue.....	158
Regions Revenue – Caribbean and Latin America (CALA) – Mfg Revenue.....	159

DSL CPE (Modems + Routers Data-Only + Routers Voice-and-Data + Gfast)

Worldwide – Total – Mfg Revenue, Units, Mfg Unit ASP.....	160
Worldwide – Portion of Total Units with Wireless LAN Embedded	163
Regions Shipments – North America – Units	164
Regions Shipments – Europe, Middle East, and Africa (EMEA) – Units	165
Regions Shipments – Asia Pacific – Units.....	166
Regions Shipments – Caribbean and Latin America (CALA) – Units.....	167
Regions Revenue – North America – Mfg Revenue.....	168
Regions Revenue – Europe, Middle East, and Africa (EMEA) – Mfg Revenue.....	169
Regions Revenue – Asia Pacific – Mfg Revenue.....	170
Regions Revenue – Caribbean and Latin America (CALA) – Mfg Revenue.....	171

VDSL CPE

Worldwide – Total – Mfg Revenue, Units, Mfg Unit ASP.....	172
---	-----

GFast CPE

Worldwide – Total – Mfg Revenue, Units, Mfg Unit ASP.....	175
---	-----

Table of Contents – Broadband Access and Home Networking

	Page No.
PON Access Concentrators	
Worldwide – Total – Mfg Revenue, Ports, Mfg Port ASP	178
Worldwide – Total EPON – Mfg Revenue, Ports, Mfg Port ASP	181
Worldwide – 1 Gbps EPON – Mfg Revenue, Ports, Mfg Port ASP	184
Worldwide – 10 Gbps EPON – Mfg Revenue, Ports, Mfg Port ASP	187
Worldwide – Total GPON – Mfg Revenue, Ports, Mfg Port ASP	190
Worldwide – 2.5 Gbps GPON – Mfg Revenue, Ports, Mfg Port ASP	193
Worldwide – XG-PON1 – Mfg Revenue, Ports, Mfg Port ASP	196
Worldwide – XGS-PON – Mfg Revenue, Ports, Mfg Port ASP	199
Worldwide – NG-PON2 – Mfg Revenue, Ports, Mfg Port ASP	202
Regions Shipments – Total – North America – Ports	205
Regions Shipments – Total – Europe, Middle East, and Africa (EMEA) – Ports	206
Regions Shipments – Total – Asia Pacific – Ports	207
Regions Shipments – Total – China – Ports	208
Regions Shipments – Total – Asia Pacific Excluding China – Ports	209
Regions Shipments – Total – Caribbean and Latin America (CALA) – Ports	210
Regions Shipments – Total EPON – North America – Ports	211
Regions Shipments – Total EPON – Europe, Middle East, and Africa (EMEA) – Ports	212
Regions Shipments – Total EPON – Asia Pacific – Ports	213
Regions Shipments – Total EPON – China – Ports	214
Regions Shipments – Total EPON – Asia Pacific Excluding China – Ports	215
Regions Shipments – Total EPON – Caribbean and Latin America (CALA) – Ports	216
Regions Shipments – 1 Gbps EPON – North America – Ports	217
Regions Shipments – 1 Gbps EPON – Europe, Middle East, and Africa (EMEA) – Ports	218
Regions Shipments – 1 Gbps EPON – Asia Pacific – Ports	219
Regions Shipments – 1 Gbps EPON – China – Ports	220
Regions Shipments – 1 Gbps EPON – Asia Pacific Excluding China – Ports	221
Regions Shipments – 1 Gbps EPON – Caribbean and Latin America (CALA) – Ports	222
Regions Shipments – 10 Gbps EPON – North America – Ports	223
Regions Shipments – 10 Gbps EPON – Europe, Middle East, and Africa (EMEA) – Ports	224
Regions Shipments – 10 Gbps EPON – Asia Pacific – Ports	225
Regions Shipments – 10 Gbps EPON – China – Ports	226
Regions Shipments – 10 Gbps EPON – Asia Pacific Excluding China – Ports	227

Table of Contents – Broadband Access and Home Networking

	Page No.
Regions Shipments – 10 Gbps EPON – Caribbean and Latin America (CALA) – Ports.....	228
Regions Shipments – Total GPON – North America – Ports.....	229
Regions Shipments – Total GPON – Europe, Middle East, and Africa (EMEA) – Ports	230
Regions Shipments – Total GPON – Asia Pacific – Ports	231
Regions Shipments – Total GPON – China – Ports.....	232
Regions Shipments – Total GPON – Asia Pacific Excluding China – Ports.....	233
Regions Shipments – Total GPON – Caribbean and Latin America (CALA) – Ports	234
Regions Shipments – 2.5 Gbps GPON – North America – Ports.....	235
Regions Shipments – 2.5 Gbps GPON – Europe, Middle East, and Africa (EMEA) – Ports	236
Regions Shipments – 2.5 Gbps GPON – Asia Pacific – Ports	237
Regions Shipments – 2.5 Gbps GPON – China – Ports.....	238
Regions Shipments – 2.5 Gbps GPON – Asia Pacific Excluding China – Ports.....	239
Regions Shipments – 2.5 Gbps GPON – Caribbean and Latin America (CALA) – Ports	240
Regions Shipments – XG-PON1 – North America – Ports.....	241
Regions Shipments – XG-PON1 – Europe, Middle East, and Africa (EMEA) – Ports	242
Regions Shipments – XG-PON1 – Asia Pacific – Ports	243
Regions Shipments – XG-PON1 – China – Ports.....	244
Regions Shipments – XG-PON1 – Asia Pacific Excluding China – Ports.....	245
Regions Shipments – XG-PON1 – Caribbean and Latin America (CALA) – Ports	246
Regions Shipments – XGS-PON – North America – Ports.....	247
Regions Shipments – XGS-PON – Europe, Middle East, and Africa (EMEA) – Ports	248
Regions Shipments – XGS-PON – Asia Pacific – Ports	249
Regions Shipments – XGS-PON – China – Ports.....	250
Regions Shipments – XGS-PON – Asia Pacific Excluding China – Ports	251
Regions Shipments – XGS-PON – Caribbean and Latin America (CALA) – Ports	252
Regions Shipments – NG-PON2 – North America – Ports.....	253
Regions Shipments – NG-PON2 – Europe, Middle East, and Africa (EMEA) – Ports	254
Regions Shipments – NG-PON2 – Asia Pacific – Ports	255
Regions Shipments – NG-PON2 – China – Ports.....	256
Regions Shipments – NG-PON2 – Asia Pacific Excluding China – Ports.....	257
Regions Shipments – NG-PON2 – Caribbean and Latin America (CALA) – Ports	258
Regions Revenue – North America – Mfg Revenue.....	259
Regions Revenue – Europe, Middle East, and Africa (EMEA) – Mfg Revenue.....	260
Regions Revenue – Asia Pacific – Mfg Revenue.....	261
Regions Revenue – China – Mfg Revenue	262
Regions Revenue – Asia Pacific Excluding China – Mfg Revenue.....	263
Regions Revenue – Caribbean and Latin America (CALA) – Mfg Revenue.....	264
 PON CPE (ONT)	
Worldwide – Total – Mfg Revenue, Units, Mfg Unit ASP.....	265
Worldwide – Total EPON – Single – Mfg Revenue, Units, Mfg Unit ASP	268
Worldwide – Total EPON – Multiple – Mfg Revenue, Units, Mfg Unit ASP.....	271
Worldwide – 1 Gbps EPON – Single – Mfg Revenue, Units, Mfg Unit ASP	274
Worldwide – 1 Gbps EPON – Multiple – Mfg Revenue, Units, Mfg Unit ASP.....	277
Worldwide – 10 Gbps EPON – Single – Mfg Revenue, Units, Mfg Unit ASP.....	280
Worldwide – 10 Gbps EPON – Multiple – Mfg Revenue, Units, Mfg Unit ASP.....	283
Worldwide – Total GPON – Single – Mfg Revenue, Units, Mfg Unit ASP	286
Worldwide – Total GPON – Multiple – Mfg Revenue, Units, Mfg Unit ASP.....	289

Table of Contents – Broadband Access and Home Networking

Page No.

Worldwide – 2.5 Gbps GPON – Single – Mfg Revenue, Units, Mfg Unit ASP	292
Worldwide – 2.5 Gbps GPON – Multiple – Mfg Revenue, Units, Mfg Unit ASP	295
Worldwide – XG-PON1 – Single – Mfg Revenue, Units, Mfg Unit ASP	298
Worldwide – XG-PON1 – Multiple – Mfg Revenue, Units, Mfg Unit ASP	301
Worldwide – XGS-PON – Single – Mfg Revenue, Units, Mfg Unit ASP	304
Worldwide – XGS-PON – Multiple – Mfg Revenue, Units, Mfg Unit ASP	307
Worldwide – NG-PON2 – Single – Mfg Revenue, Units, Mfg Unit ASP	310
Worldwide – NG-PON2 – Multiple – Mfg Revenue, Units, Mfg Unit ASP	313
Regions Shipments – Total – North America – Units	316
Regions Shipments – Total – Europe, Middle East, and Africa (EMEA) – Units	317
Regions Shipments – Total – Asia Pacific – Units	318
Regions Shipments – Total – China – Units	319
Regions Shipments – Total – Asia Pacific Excluding China – Units	320
Regions Shipments – Total – Caribbean and Latin America (CALA) – Units	321
Regions Shipments – Total EPON – North America – Units	322
Regions Shipments – Total EPON – Europe, Middle East, and Africa (EMEA) – Units	323
Regions Shipments – Total EPON – Asia Pacific – Units	324
Regions Shipments – Total EPON – China – Units	325
Regions Shipments – Total EPON – Asia Pacific Excluding China – Units	326
Regions Shipments – Total EPON – Caribbean and Latin America (CALA) – Units	327
Regions Shipments – 1 Gbps EPON – Single –North America – Units	328
Regions Shipments – 1 Gbps EPON – Single –Europe, Middle East, and Africa (EMEA) – Units	329
Regions Shipments – 1 Gbps EPON – Single –Asia Pacific – Units	330
Regions Shipments – 1 Gbps EPON – Single –China – Units	331
Regions Shipments – 1 Gbps EPON – Single –Asia Pacific Excluding China – Units	332
Regions Shipments – 1 Gbps EPON – Single –Caribbean and Latin America (CALA) – Units	333
Regions Shipments – 1 Gbps EPON – Multiple –North America – Units	334
Regions Shipments – 1 Gbps EPON – Multiple –Europe, Middle East, and Africa (EMEA) – Units	335
Regions Shipments – 1 Gbps EPON – Multiple –Asia Pacific – Units	336
Regions Shipments – 1 Gbps EPON – Multiple –China – Units	337
Regions Shipments – 1 Gbps EPON – Multiple –Asia Pacific Excluding China – Units	338
Regions Shipments – 1 Gbps EPON – Multiple –Caribbean and Latin America (CALA) – Units	339
Regions Shipments – 10 Gbps EPON – Single –North America – Units	340
Regions Shipments – 10Gbps EPON – Single –Europe, Middle East, and Africa (EMEA) – Units	341
Regions Shipments – 10 Gbps EPON – Single –Asia Pacific – Units	342
Regions Shipments – 10 Gbps EPON – Single –China – Units	343
Regions Shipments – 10 Gbps EPON – Single –Asia Pacific Excluding China – Units	344
Regions Shipments – 10 Gbps EPON – Single –Caribbean and Latin America (CALA) – Units	345
Regions Shipments – 10 Gbps EPON – Multiple –North America – Units	346
Regions Shipments – 10 Gbps EPON – Multiple –Europe, Middle East, and Africa (EMEA) – Units	347
Regions Shipments – 10 Gbps EPON – Multiple –Asia Pacific – Units	348
Regions Shipments – 10 Gbps EPON – Multiple –China – Units	349
Regions Shipments – 10 Gbps EPON – Multiple –Asia Pacific Excluding China – Units	350
Regions Shipments – 10 Gbps EPON – Multiple –Caribbean and Latin America (CALA) – Units	351
Regions Shipments – Total GPON – North America – Units	352
Regions Shipments – Total GPON – Europe, Middle East, and Africa (EMEA) – Units	353
Regions Shipments – Total GPON – Asia Pacific – Units	354
Regions Shipments – Total GPON – China – Units	355
Regions Shipments – Total GPON – Asia Pacific Excluding China – Units	356
Regions Shipments – Total GPON – Caribbean and Latin America (CALA) – Units	357
Regions Shipments – 2.5 Gbps GPON – Single –North America – Units	358
Regions Shipments – 2.5 Gbps GPON – Single –Europe, Middle East, and Africa (EMEA) – Units	359

Table of Contents – Broadband Access and Home Networking

Page No.

Regions Shipments – 2.5 Gbps GPON – Single –Asia Pacific – Units.....	360
Regions Shipments – 2.5 Gbps GPON – Single –China – Units	361
Regions Shipments – 2.5 Gbps GPON – Single –Asia Pacific Excluding China – Units	362
Regions Shipments – 2.5 Gbps GPON – Single –Caribbean and Latin America (CALA) – Units.....	363
Regions Shipments – 2.5 Gbps GPON – Multiple –North America – Units.....	364
Regions Shipments – 2.5 Gbps GPON – Multiple –Europe, Middle East, and Africa (EMEA) – Units	365
Regions Shipments – 2.5 Gbps GPON – Multiple –Asia Pacific – Units	366
Regions Shipments – 2.5 Gbps GPON – Multiple –China – Units.....	367
Regions Shipments – 2.5 Gbps GPON – Multiple –Asia Pacific Excluding China – Units.....	368
Regions Shipments – 2.5 Gbps GPON – Multiple –Caribbean and Latin America (CALA) – Units	369
Regions Shipments – XG-PON1 – Single –North America – Units	370
Regions Shipments – XG-PON1 – Single –Europe, Middle East, and Africa (EMEA) – Units	371
Regions Shipments – XG-PON1 – Single –Asia Pacific – Units.....	372
Regions Shipments – XG-PON1 – Single –China – Units.....	373
Regions Shipments – XG-PON1 – Single –Asia Pacific Excluding China – Units	374
Regions Shipments – XG-PON1 – Single –Caribbean and Latin America (CALA) – Units	375
Regions Shipments – XG-PON1 – Multiple –North America – Units.....	376
Regions Shipments – XG-PON1 – Multiple –Europe, Middle East, and Africa (EMEA) – Units	377
Regions Shipments – XG-PON1 – Multiple –Asia Pacific – Units	378
Regions Shipments – XG-PON1 – Multiple –China – Units	379
Regions Shipments – XG-PON1 – Multiple –Asia Pacific Excluding China – Units.....	380
Regions Shipments – XG-PON1 – Multiple –Caribbean and Latin America (CALA) – Units	381
Regions Shipments – XGS-PON – Single –North America – Units	382
Regions Shipments – XGS-PON – Single –Europe, Middle East, and Africa (EMEA) – Units.....	383
Regions Shipments – XGS-PON – Single –Asia Pacific – Units.....	384
Regions Shipments – XGS-PON – Single –China – Units	385
Regions Shipments – XGS-PON – Single –Asia Pacific Excluding China – Units	386
Regions Shipments – XGS-PON – Single –Caribbean and Latin America (CALA) – Units.....	387
Regions Shipments – XGS-PON – Multiple –North America – Units.....	388
Regions Shipments – XGS-PON – Multiple –Europe, Middle East, and Africa (EMEA) – Units	389
Regions Shipments – XGS-PON – Multiple –Asia Pacific – Units	390
Regions Shipments – XGS-PON – Multiple –China – Units.....	391
Regions Shipments – XGS-PON – Multiple –Asia Pacific Excluding China – Units.....	392
Regions Shipments – XGS-PON – Multiple –Caribbean and Latin America (CALA) – Units	393
Regions Shipments – NG-PON2 – Single –North America – Units	394
Regions Shipments – NG-PON2 – Single –Europe, Middle East, and Africa (EMEA) – Units	395
Regions Shipments – NG-PON2 – Single –Asia Pacific – Units.....	396
Regions Shipments – NG-PON2 – Single –China – Units.....	397
Regions Shipments – NG-PON2 – Single –Asia Pacific Excluding China – Units	398
Regions Shipments – NG-PON2 – Single –Caribbean and Latin America (CALA) – Units	399
Regions Revenue – North America – Mfg Revenue.....	400
Regions Revenue – Europe, Middle East, and Africa (EMEA) – Mfg Revenue.....	401
Regions Revenue – Asia Pacific – Mfg Revenue.....	402
Regions Revenue – China – Mfg Revenue	403
Regions Revenue – Asia Pacific Excluding China – Mfg Revenue	404
Regions Revenue – Caribbean and Latin America (CALA) – Mfg Revenue.....	405

Fixed Wireless CPE

Worldwide – Total – Mfg Revenue, Units, Mfg Unit ASP.....	406
Regions Shipments – North America – Units	409
Regions Shipments – Europe, Middle East, and Africa (EMEA) – Units	410
Regions Shipments – Asia Pacific – Units.....	411

Table of Contents – Broadband Access and Home Networking

	Page No.
Regions Shipments – Caribbean and Latin America (CALA) – Units.....	412
Regions Revenue – North America – Mfg Revenue.....	413
Regions Revenue – Europe, Middle East, and Africa (EMEA) – Mfg Revenue.....	414
Regions Revenue – Asia Pacific – Mfg Revenue.....	415
Regions Revenue – Caribbean and Latin America (CALA) – Mfg Revenue.....	416
Worldwide – 4G LTE – Indoor – Mfg Revenue, Units, Mfg Unit ASP.....	417
Worldwide – 4G LTE – Outdoor – Mfg Revenue, Units, Mfg Unit ASP.....	420
Worldwide – 5G Sub-6GHz – Indoor – Mfg Revenue, Units, Mfg Unit ASP.....	423
Worldwide – 5G Sub-6GHz – Outdoor – Mfg Revenue, Units, Mfg Unit ASP.....	426
Worldwide – 5G Millimeter Wave – Indoor – Mfg Revenue, Units, Mfg Unit ASP.....	429
Worldwide – 5G Millimeter Wave– Outdoor – Mfg Revenue, Units, Mfg Unit ASP.....	432
Worldwide – Terragraph/802.11ay – Indoor – Mfg Revenue, Units, Mfg Unit ASP.....	435
Worldwide – Terragraph/802.11ay– Outdoor – Mfg Revenue, Units, Mfg Unit ASP.....	438
 Wireless LAN — Residential	
Worldwide – Total Residential – Mfg. Revenue, Units, Mfg. ASP	
Total.....	441
WiFi 3.....	444
WiFi 4.....	447
WiFi 5.....	450
WiFi 6.....	453
WiFi 6E.....	456
WiFi 7.....	459
Worldwide – Residential Wireless Routers – Mfg. Revenue, Units, Mfg. ASP	
Total.....	462
WiFi 3.....	465
WiFi 4.....	468
WiFi 5.....	471
WiFi 6.....	474
WiFi 6E.....	477
WiFi 7.....	480
Worldwide – Residential Broadband CPE with WLAN – Mfg. Revenue, Units, Mfg. ASP	
Total.....	483
WiFi 3.....	486
WiFi 4.....	489
WiFi 5.....	492
WiFi 6.....	495
WiFi 6E.....	498
WiFi 7.....	501
 Wireless LAN — Regions	
Regional – Residential – Units	
Worldwide, North America, EMEA, Asia Pacific, CALA.....	504