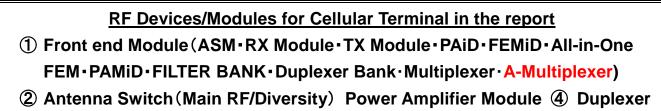
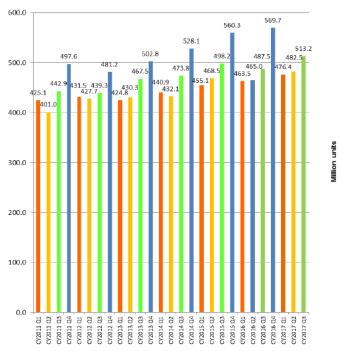
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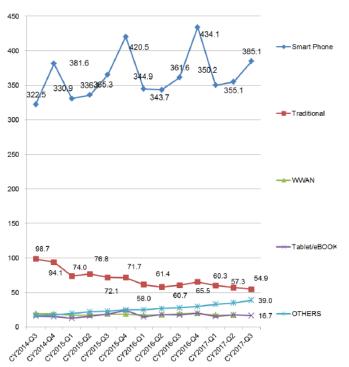
RF Devices/Modules For Cellular Terminal Quarterly Market Report Q4 2017 Released on May 31th 2018



(5)Band Pass Filter **(6)**TCXO

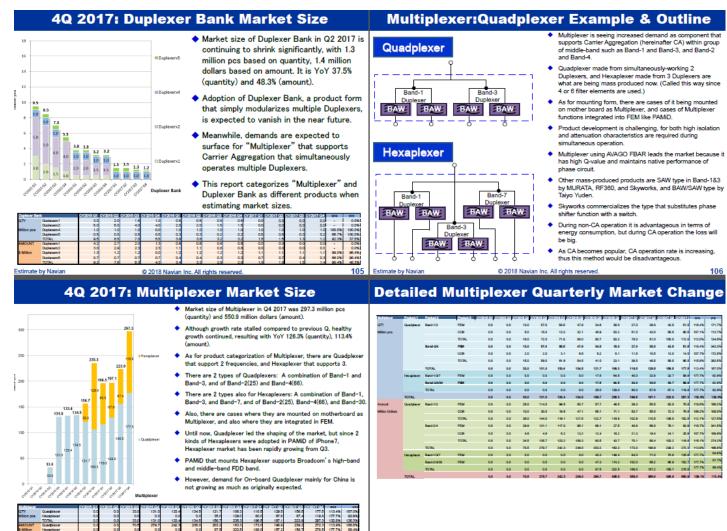


Cellular Terminal Shipment History





Report Sample



Outline of the report RF Devices/Modules For Cellular TerminalQuarterly Market Report Q4 2017 -CD-ROM (PDF file)-OThe date of issue May 31th 2018 The PDF file of 241 SLIDES : MS PowerPoint based/Excel data/JPEG files of Teardown photos OThe Documents of the report **OReport** price JP¥168.000 OAnnual subscription for four quarterly issues JP¥560,000(JP¥140,000/report) * Additional notes for companies with more than 10,000 employees on a consolidated basis. If you will share our reports between different departments or subsidiaries and affiliated companies, you need to purchase the corporate license. Please confer with us. Method of order OBY Attached FAX ORDER FORM Fax.+81-3-5303-1304 OBY Email order@navian.co.jp with your information as same as FAX ORDER FORM ■PAYMENT Please Bank Transfer in Japanese Yen to the bank account of the Navian, Inc. The report's bill will be sent with the report. Payment term is within 1 month after you receive the report. PUBLISHER Navian Inc. http://www.navian.co.jp

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Guatpinor	Band-1/3	FEM	0.0	60	12.0	57.0	58.5	47.9	34.8	30.0	27.0	38.0	40.5	S1.5	110.4%	171.7
		008	0.0	0.0	5.0	15.0	13.3	22.1	45.9	53.2	51.0	43.0	56.5	60.5	107.1%	112.7
		TOTAL	0.0	0.0	18.0	72.0	71.8	80.0	80.7	63.2	78.0	81.0	100.0	112.0	112.0%	134.81
	Band-04	FIEM	0.0		13.0	67.0	80.5	67.9	54.8	15.0	27.0	38.0	42.5	81.5	118.4%	343.2
		008	0.0		2.0	2.0	3.1	6.6	6.2	8.1	11.5	10.5	12.0	54.0	107.7%	172.8
		TOTAL	0.0		15.0	59.0	61.0	54.5	41.0	22.1	38.5	48.5	00.5	a.s	115.9%	283.5
	TOTAL		0.0		23.0	121.0	122.4	134.5	121.7	108.2	116.5	129.5	198.5	177.6	112.4%	107.0
Hexaphexer	Band-1/3/7	FEM	0.0			0.0	0.0	0.0	17.5	01.5	40.0	22.0	29.7		177.7%	92.9
	Band GM DD	104	0.0						17.8		49.0	-			177.7%	82.9
	TOTAL		0.0			0.0	0.0	0.0	25.0	129.0	80.0	67.6	62.4	19.0	177.75	82.8
	10 ML															
TOTAL			0.0	6.0	33.0	121.0	120.4	134.5	108.7	295.5	196.5	197.1	222.9	297.5	122.0%	128.5
Quadpiecer	Band-1/3	FEM	0.0	0.0	26.0	114.0	99.5	60.7	\$7.7	40.5	29.3	55.5	62.0	75.0	110.0%	158.2
		008	0.0	0.0	10.0	20.0	19.6	47.1	65.1	71.1	63.7	55.0	72.3	76.0	100.2%	108.0
		TOTAL	0.0	0.0	36.0	144.0	119.1	127.8	122.7	119.0	102.9	110.5	138.0	152.5	112.1%	127.5
	Band-2/4	FEM	0.0	0.0	29.9	121.1	117.0	95.1	68.1	27.5	48.0	69.0	79.1	80.9	118.7%	341.5
		008	0.0		40	4.0	6.2	13.2	12.4	18.2	21.3	19.4	24.1	25.9	107.7%	198.8
		TOTAL	0.0		34.5	135.7	123.2	100.2	80.5	40.7	70.1	00.4	100.2	119.0	110.1%	274.2
	TOTAL		0.0		75.5	279.7	242.3	236.0	200.2	100.0	173.0	198.9	239.2	272.3	113.9%	-
Hexaplexer	Band-1/2/7	FEM	0.0		0.0	0.0	0.0	0.0	40.3	548.4	84.0	71.0	72.0	125.0	177.75	64.5
															177.7%	67.7
	Band-2/4/30	FEM	0.0	60	60	0.0	0.0	0.0	47.3	174.2	102.0	66.2	65.9	152.7	177.7%	05.4
	TOTAL		0.0	0.0	0.0	0.0	0.0	0.0	67.5	222.5	186.0	157.2	156.7	278.5		00.4

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PHASE 1. CELLULAR TERMINAL SHIPMENT AND UPDATE

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- 2. Cellular Terminal Quarterly Shipment by Product Type
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- (1) UMTS RF Platform Market Share by Cellular Terminal Manufacturer Quarterly data: 1Q 2014-4Q2017

Annual data: CY2013-CY2017

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For Cellular Market Trend

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- (2) Annual Front End Module Market Trend by Product
- (3) Detailed Data of Front End Module Marke
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- 2 RX Module
- 3TX Module
- ④FEMiD
- (5)All-in-One FEM

6 PAMiD ⑦PAiD **8**Filter Bank Ouplexer Bank 10Multiplexer(Quadplexer/Hexaplexer) 1)Antenna – Multiplexer 2. Antenna Switches (1) Antenna Switch Market Size in 4Q2017 Antenna Switch TOTAL Market Size Antenna Switch for Main RF Market Size by Throw Count Antenna Switch for Main RF Market Size by Substrate Antenna Switch for Diversity Market Size by Substrate (2) Quarterly Detailed Data of Antenna Switches (3) Annual Market Size of Antenna Switch in CY2017 Market Forecast of Antenna Switch Market Forecast of Antenna Switch for Main RF by Throw Count Market Forecast of Antenna Switch for Main RF by Substrate Market Forecast of Antenna Switch for Diversity by Substrate (4) Annual Detailed Data of Antenna Switch Market 3. Power Amplifier Module (1) Power Amplifier Module Market Size in 4Q2017 (2) Annual Market Size of Power Amplifier Module by Product Type in CY2017 (3) Annual Detailed Data of Power Amplifier Module Market 4. Duplexers (1) Duplexer Market Size in 4Q2017 (2) Annual Market Size of Duplexer by Band in CY2017 (3) Annual Detailed Data of Duplexer Market

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(1) Band Pass Filter Market Size in 4Q2017

- (2) Annual Market Size of Band Pass Filter in CY2017
- 6. TCXOs
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(2) Annual Market Size of TCXO in CY2017

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- ASM Market Share Breakdown per Product Type
- (2) RX Module

RX Module Market Share for Q4 CY2017 Result & CY2017 Forecast RX Module Market Share Breakdown per Product Type (3) TX Module TX Module Market Share for Q4 CY2017 Result & CY2017 Forecast TX Module Market Share Breakdown per Product Type (4) FEMiD FEMiD Market Share for Q4 CY2017 Result & CY2017 Forecast FEMiD Market Share Breakdown per Product Type (5) PAiD PAiD Market Share for Q4 CY2017 Result & CY2017 Forecast PAiD Market Share Breakdown per Product Type (6) Filter Bank Filter Bank Market Share for Q4 CY2017 Result & CY2017 Forecast Filter Bank Market Share Breakdown per Product Type (6) Duplexer Bank Duplexer Bank Market Share for Q4 CY2017 Result & CY2017 Forecast Duplexer Bank Market Share Breakdown per Product Type (7) Multiplexer Multiplexer Market Share for Q4 CY2017 Result & CY2017 Forecast Multiplexer Market Share Breakdown per Product Type 2. Antenna Switches (1) Antenna Switch Market Share for Q4 CY2017 Result & CY2017 Forecast Antenna Switch for Main RF Antenna Switch for Main RF =>SP7T (2) Quarterly Antenna Switch for Main RF Market Share Breakdown per Product Type (3) Annual Antenna Switch for Main RF Market Share Breakdown per Product Type (4) Quarterly Antenna Switch for Diversity Market Share Breakdown per Product Type (5) Annual Antenna Switch for Diversity Market Share Breakdown per Product Type (6) Antenna Switch Supply chain 3. Power Amplifier Module

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per Product Type

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PHASE 5.Hot Products Teardown

1. Teardown Summary

Product outline: Product type/Release date/price/Network RF Components / Modules useage

- 2. Samsung Galaxy Note8 SM-N950U For AT&T
- The first Smart phone compatible with LAA
- 3. GALAXY S9 SM-G960FDS -Global Model-
- Latest SAMSUNG Flagship Smart phone-
- 4. Xiaomi Redmi 5A
- Latest Xiaomi best-selling Low-end Smart phone-
- 5. Transsion ITEL it5231
- GSM Future Phone-

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ATTN: Yoshiyasu Andoh E-mail: andoh@navian.co.jp

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