

# Navian Marketing Report

## RF Devices/Modules For Cellular Terminal

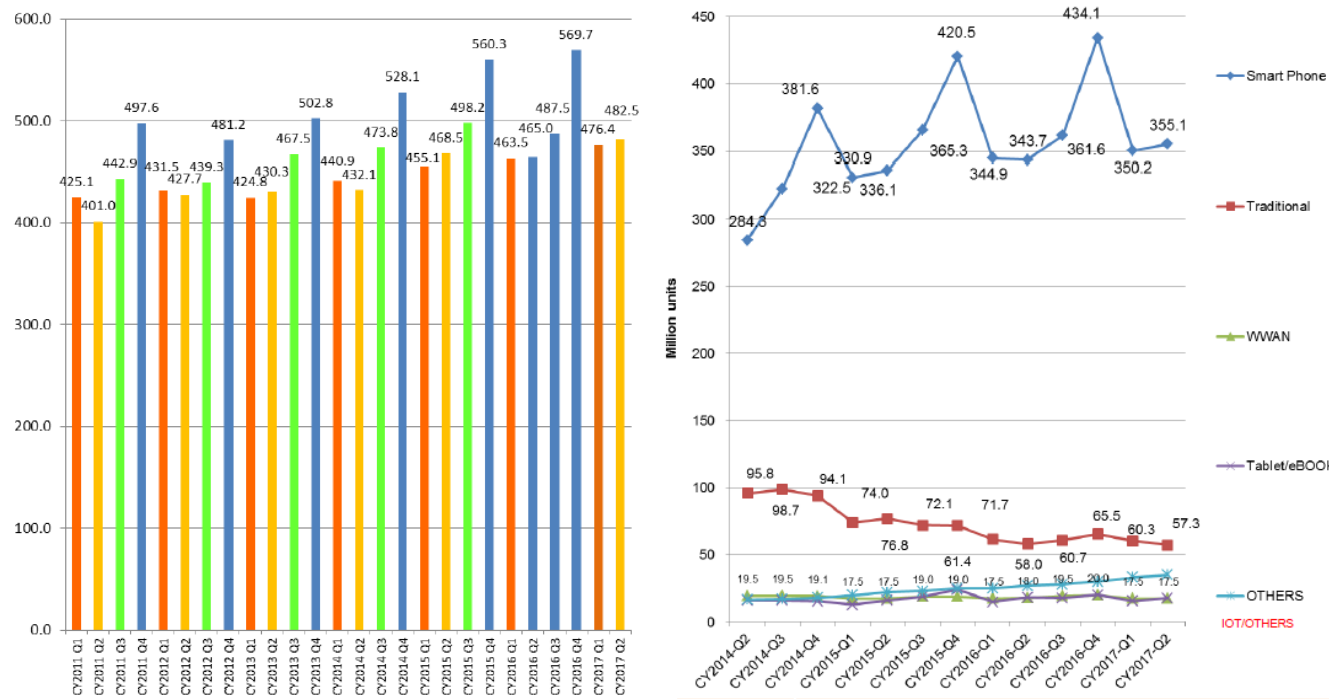
### Quarterly Market Report Q2 2017

2017年11月20日発刊

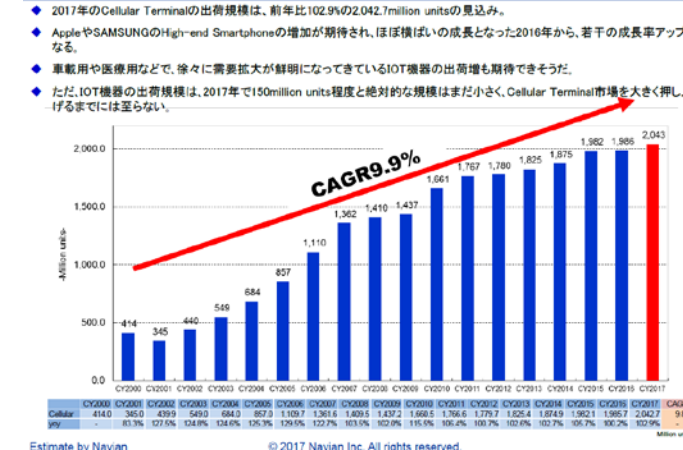
#### 本レポートで対象とする Cellular Terminal 用高周波部品・モジュール

- ① Front end Module (ASM・RX Module・TX Module・PAiD・FEMiD・All-in-One FEM・PAMiD・FILTER BANK・Duplexer Bank・Multiplexer・A-Multiplexer)
- ② Antenna Switch (Main RF/Diversity) Power Amplifier Module
- ④ Duplexer
- ⑤ Band Pass Filter
- ⑥ TCXO

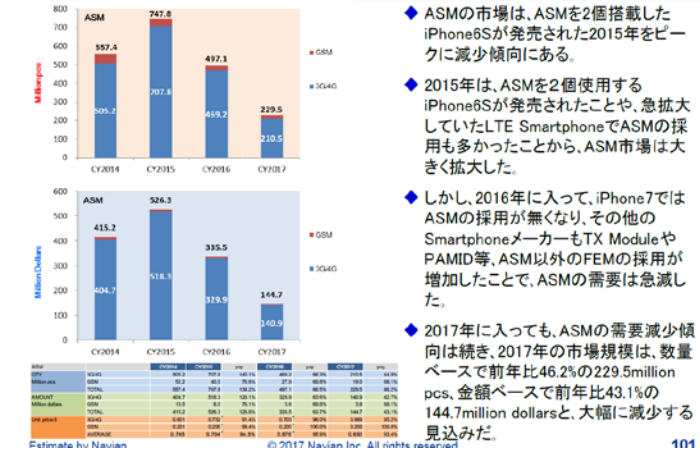
Cellular Terminal の製品タイプ別及び規格別出荷構成比 四半期推移



#### Cellular Terminal Annual Shipment History CY2000-CY2017



#### Market Forecast of Antenna Switch Module in CY2017



#### Antenna Multiplexer Outline

- 今回のレポートから新たに調査対象に加えるのが、Antenna Multiplexerである。
- Duplexerを複数個使用する複数周波数の同時送受信を目的とするMultiplexerと異なり、Antenna信号を複数に分波することを目的とした部品である。
- どちらの部品も、現在Multiplexerと一般的には呼ばれているが、DuplexerベースのMultiplexerと区別するために、本レポートでは後者をAntenna-Multiplexerと呼称する。
- 現在、Antenna Multiplexer(A-Multiplexer)は、iPhoneがSub Antennaの分波用に使っているものと、Media Tekがリアレンスデザインに採用しているものがある。
- iPhoneでは、Cellularの周波数に加えて、WiFiやGPSの周波数も加えて分波している。
- 一方、Media TekのAntenna-Multiplexerは、主にCarrier aggregation対応を目的に、Cellular周波数をHigh-band・Middle-band・Low-bandの3つに分波するもので、Main RFとDiversityのそれぞれのAntenna直下に使用されるもの。
- このMedia TekのAntenna-Multiplexerは、他のプラットフォームでも採用が検討されている形式と推測され、ConventionalなAntenna-Multiplexerとなる。

#### RF-iPhone8 A1906 Japan model RF Section-3

Component count 33pcs

<p><b>e-Book Reader</b> <b>Tablet PC</b></p>	<p><b>WWAN Terminal</b> <b>Adapter</b></p> <p><b>Embedded Module</b></p>	<p><b>Smart Phone</b></p>	<p><b>Traditional Handset</b> <b>Mobile Phone</b></p> <p><b>Fixed Wireless Terminal</b></p>
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Non-Voice

Voice

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■資料発刊要領

**RF Devices/Modules For Cellular Terminal Quarterly Market Report Q2 2017 (4-6 月期)**

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**PHASE 1. CELLULAR TERMINAL SHIPMENT AND UPDATE**

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- 「RF Devices/Modules For Cellular Terminal Quarterly Market Report」  
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