

# Navian Marketing Report

## RF Devices/Modules For Cellular Terminal

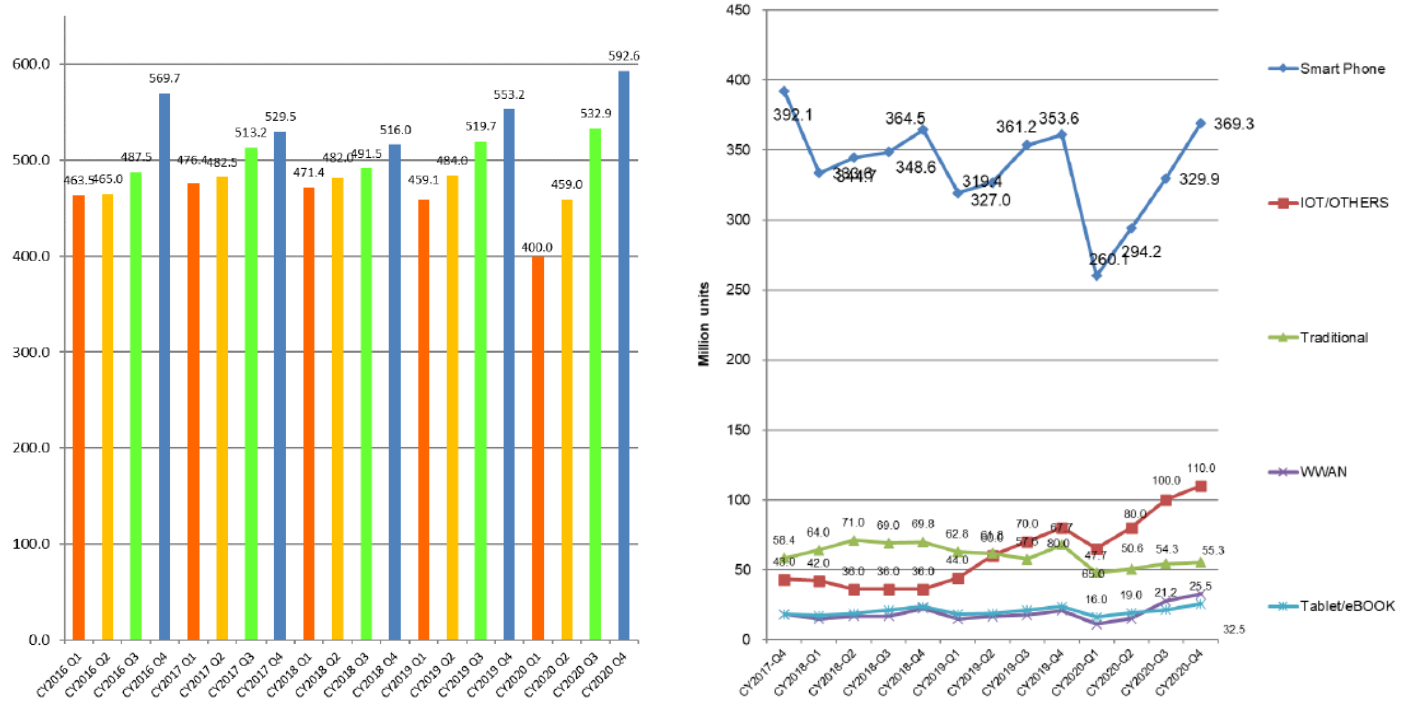
### Quarterly Market Report Q4 2020

2021年4月12日発行

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・TX Module・PAiD・FEMiD・All-in-One FEM・PAMiD・5G TX Module/PAMiF-NEW・ Multiplexer・A-Multiplexer・5G RX Module-NEW)
- ② Antenna Switch (Main RF/Diversity) Power Amplifier Module
- ④ Duplexer
- ⑤ Band Pass Filter
- ⑥ TCXO

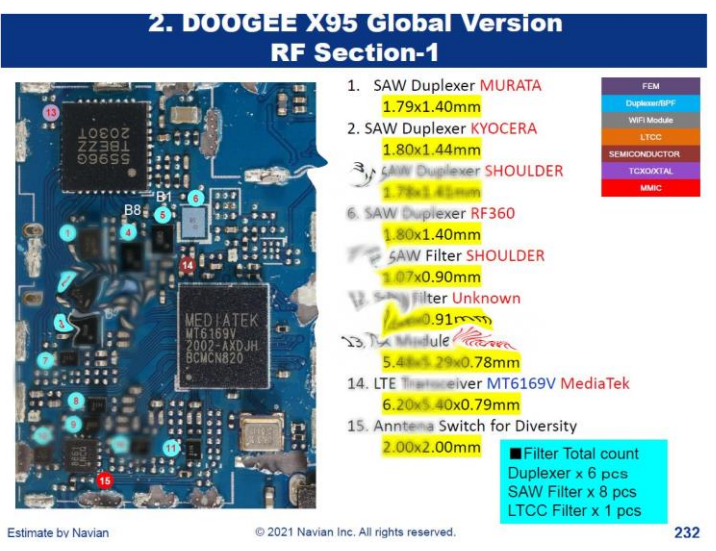
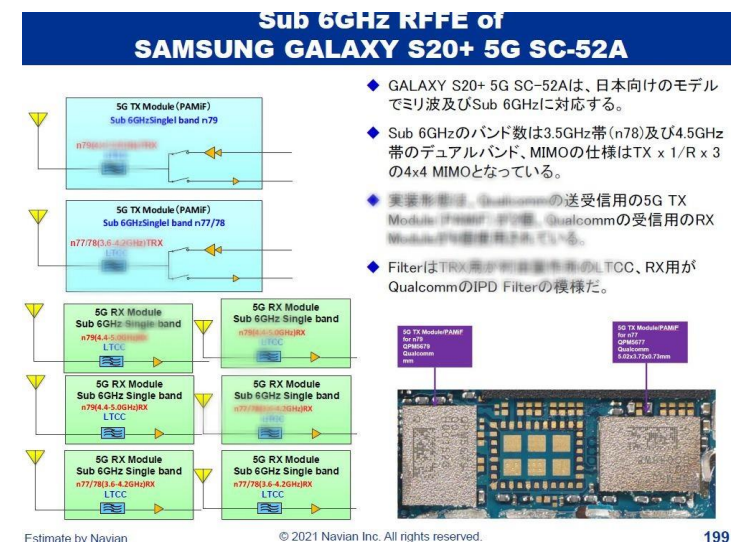
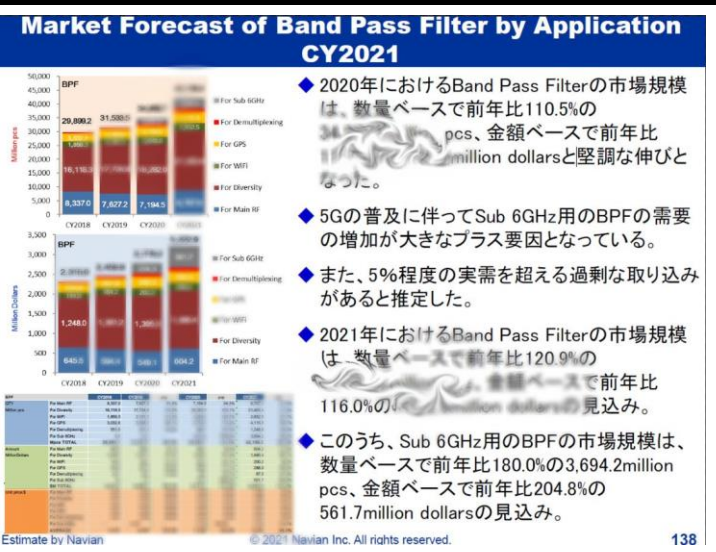
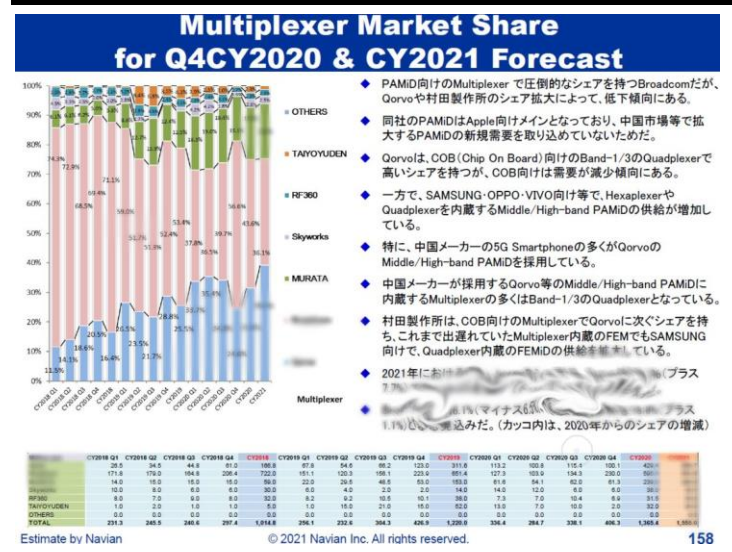
Cellular Terminal の製品タイプ別及び規格別出荷構成比 四半期推移



Non-Voice

Voice

# Report Sample



●お申し込みは同封の FAX 申し込み用紙又は電子メール・お電話にて承ります。

●内容等のお問い合わせは下記担当まで、お気軽にお申し付けください。

■資料発刊要領

### RF Devices/Modules For Cellular Terminal Quarterly Market Report Q4 2020 -CD-ROM (PDF file)-

○発刊日 2021年4月12日

○資料体裁 A4版 フルカラー 256スライド CD-ROM(PDF file) ※印刷物は付属いたしません

PDF file of report/Excel data/JPEG files of Teardown photos

○価格 150,000円(税別) ※168,000JPN for international customers

※年四回分のお申し込みの場合は 498,000円(税別)

※上記費用はローカルライセンスを対象としています。

※連結企業の総従業員数が10,000人以上の企業様では、国内の事業部門内又は部署内(子会社の場合は企業単位)のご利用に限定させていただきます。

■お問い合わせ・お申し込み先

有限会社 ナビアン

担当: 安藤 嘉泰 andoh@navian.co.jp

〒167-0041 東京都杉並区善福寺 2-18-2

TEL 03-5303-1303 FAX 03-5303-1304

※お支払いは、調査レポートのお届け後、弊社指定口座に現金でお振り込みください(請求書は書籍に同封)

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

1. Cellular Terminal Quarterly Shipment History
2. Cellular Terminal Quarterly Shipment by Product Type
3. Cellular Terminal Quarterly Shipment by Standard
4. Cellular Terminal Annual Shipment
5. Annual Shipment History CY2001-CY2021
6. Annual Cellular Terminal Shipment Trend by Product Type
7. Annual Cellular Terminal Shipment Trend by Cellular Standard

**PHASE 2. SHIPMENT AND STATUS OF  
CELLULAR TERMINAL KEY MANUFACTURER**

1. Cellular Terminal Shipment by Maker & Product Type  
Q1 CY2016-Q4 CY2020
2. Cellular Terminal Shipment by Maker & Cellular Standard  
Q1 CY2016-Q4 CY2020
3. Annual Cellular Terminal Market Share Trend
  - (1) Cellular Terminal Shipment by Manufacturer & Product Type  
CY2016-CY2021
  - (2) Cellular Terminal Shipment by Manufacturer & Cellular Standard  
CY2016-CY2021
4. RF Platform Market Share by Cellular Terminal Manufacturer
  - (1) UMTS RF Platform Market Share by Cellular Terminal Manufacturer  
Quarterly data: Q1 CY2016-Q4 CY2020  
Annual data: CY2016-CY2021
  - (2) UMTS RF Platform Market Share by Cellular Terminal Manufacturer  
Quarterly data: Q1 CY2016-Q4 CY2020  
Annual data: CY2016-CY2021

**PHASE 3. RF Devices / Modules  
For Cellular Market Trend**

1. Front End Modules
  - (1) Quarterly Front End Module Market Trend
  - (2) Annual Front End Module Market Trend by Product
  - (3) Detailed Data of Front End Module Marke
  - (4) Q4 CY2020 : Front End Module Market Size & Trend by Product
    - ①Antenna Switch Module
    - ②TX Module
    - ③FEMiD
    - ④All-in-One FEM

- ⑤PAMiD
- ⑦PAiD
- ⑧Multiplexer (Quadplexer/Hexaplexer)
- ⑨Antenna –Multiplexer
2. Antenna Switches
  - (1) Antenna Switch Market Size in Q4 CY2020
    - 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 CY2021
    - Market Size of Antenna Switch
    - Market Size of Antenna Switch for Main RF by Throw Count
    - Market Size of Antenna Switch for Main RF by Substrate
    - Market Size 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 Q4 CY2020
  - (2) Annual Market Size of Power Amplifier Module by Product Type in CY2021
  - (3) Annual Detailed Data of Power Amplifier Module Market
4. Duplexers
  - (1) Duplexer Market Size in Q4 CY2020
  - (2) Annual Market Size of Duplexer by Band in CY2021
  - (3) Annual Detailed Data of Duplexer Market
5. Band Pass Filters
  - (1) Band Pass Filter Market Size in Q4 CY2020
  - (2) Annual Market Size of Band Pass Filter in CY2021
6. TCXOs
  - (1) TCXO Market Size in Q4 CY2020
  - (2) Annual Market Size of TCXO in CY2021

**PHASE 4. RF COMPONENT/MODULE  
KEY MANUFACTURER TREND**

1. Front End Modules
  - (1) Antenna Switch Module
    - ASM Market Share for Q4 CY2020 & CY2021 Forecast
    - ASM Market Share Breakdown per Product Type
  - (2) RX Module
    - RX Module Market Share for Q4 CY2020 & CY2021 Forecast

- RX Module Market Share Breakdown per Product Type
  - (3) TX Module
    - TX Module Market Share for Q4 CY2020 & CY2021 Forecast
    - TX Module Market Share Breakdown per Product Type
  - (4) FEMiD
    - FEMiD Market Share for Q4 CY2020 & CY2021 Forecast
    - FEMiD Market Share Breakdown per Product Type
  - (5) PAiD
    - PAiD Market Share for Q4 CY2020 & CY2021 Forecast
    - PAiD Market Share Breakdown per Product Type
  - (6) Duplexer Bank
    - Duplexer Bank Market Share for Q4 CY2020 & CY2021 Forecast
    - Duplexer Bank Market Share Breakdown per Product Type
  - (7) Multiplexer
    - Multiplexer Market Share for Q4 CY2020 & CY2021 Forecast
    - Multiplexer Market Share Breakdown per Product Type
2. Antenna Switches
  - (1) Antenna Switch Market Share for Q4 CY2020 & CY2021 Forecast
  - (2) Quarterly Antenna Switch for Main RF Market Share Breakdown
  - (3) Annual Antenna Switch for Main RF Market Share Breakdown
  - (4) Quarterly Antenna Switch for Diversity Market Share Breakdown
  - (5) Annual Antenna Switch for Diversity Market Share Breakdown
  - (6) Antenna Switch Supply chain
3. Power Amplifier Module
  - (1) PAM Market Share for Q4 CY2020 & CY2021 Forecast
  - (2) 3G/4G PAM Market Share for Q4 CY2020 & CY2021 Forecast
  - (3) UMTS PAM Supply chain
  - (4) MM PAM Type & Supply Chain
  - (5) MM PAM Market Share for Q4 CY2020 & CY2021 Forecast
  - (6) MM PA Shipment Breakdown per Manufacturer
  - (7) Quarterly PAM Market Share Breakdown per Product Type
  - (8) Annual Power Amplifier Module Market Share Breakdown
4. Duplexers
  - (1) Duplexer Market Share for Q4 CY2020 & CY2021 Forecast
  - (2) Duplexer Supply chain
  - (3) Quarterly Duplexer Market Share Breakdown per Product Type
  - (4) Annual Duplexer Market Share Breakdown per Product Type
5. Band Pass Filters
  - (1) BPF Market Share for Q4 CY2020 & CY2021 Forecast
  - (2) BPF Market Share history by Product Type: SAW & BAW

6. TCXOs
  - (1) TCXO Market Share for Q4 CY2020 & CY2021 Forecast
  - (2) TCXO Market Share Breakdown per Product Type
  - (3) TCXO Supply chain

**PHASE 5. 5G Situation & Forecast**

- 1.5G Shipment CY2019-CY2020
2. 5G Shipment CY2019-CY2020 by Brand
3. ANTENNA FEM for Millimeter Wave
3. 5G RFFE Case Studies -Sub 6GHz-
  - (1) Sub 6GHz RFFE of SAMSUNG GALAXY S10 5G SM-G977N
  - (2) Sub 6GHz RFFE of Huawei MATE20X5 EVR-AN00
  - (3) Sub 6GHz RFFE of Xiaomi Mi Mix 3 5G M1810E5GG
  - (4) Sub 6GHz RFFE of OPPO Reno3 5G
4. 5G RFFE Market Forecast in CY2021
5. Market Forecast of 5G TX Module/PAMiF in CY2021
6. 5G TX Module/PAMiF Market Share for Q4 CY2020 & CY2021 Forecast
7. Market Forecast of AiP (Antenna in Package) CY2021
8. AiP (Antenna in Package) for Q4 CY2020 & CY2021 Forecast
9. Market Forecast of 5G RX Module in 2020
10. 5G RX Module for Q4 CY2020 & CY2021 Forecast
11. Market Forecast of 5G Band Pass Filter (BPF) in CY2021
12. 5G Band Pass Filter (BPF) for Q4 CY2020 & CY2021 Forecast
13. 5G RFFE Market Forecast in CY2021
14. 5G RFFE Vendor Trend in CY2021

**PHASE 6. Hot Products Teardown**

1. Teardown Summary
  - (1) General RF Circuit Diagram of Low-end 4G Smartphones
  - (2) Outline of 7 Low-end Smartphones
  - (3) RF Components/Modules in  
7 Low-end Smartphones
2. FEMs and Filters in RF Section of Low-end Smartphones
  - (1) Blackview A80 Plus Global Version
  - (2) DOOGEE X95 Global Version
  - (3) UMIDIGI A7 Pro Global Bands
  - (4) OUKITEL K7 Pro Global Version
  - (5) DOOGEE N20 Pro Global Version
  - (6) UMIDIGI A9 Pro Global Bands
  - (7) POCO M3 Global Version

# F A X 申 込 用 紙

有限会社ナビアン 行き

Fax : 03-5303-1304

(Tel:03-5303-1303)

- 「RF Devices/Modules For Cellular Terminal Quarterly Market Report」  
を下記の通り申し込みます。

Report Title	価格	数量
■RF Devices/Modules For Cellular Terminal Quarterly Market Report Q4 2020 -CD-ROM-	150,000 円(消費税別)	
■年間購読 (四半期レポート 4 回分)	_____ 年 第 _____ 四半期レポート から ※記入例 2021 年 第 1 半期レポートから	498,000 円(消費税別)

※上記費用はローカルライセンスを対象としています。

※連結企業の総従業員数が 10,000 人以上の企業様では、国内の事業部門内又は部署内(子会社の場合は企業単位)のご利用に限定させていただきます。

※日本国外のお客様は、168,000 円となります。

<mailto:info@navian.co.jp> 又は お電話 03-5303-1303

日 付	年		月	日
社 名				
所 属				
役 職		氏 名		印
E - m a i l	@			
住 所	〒 _____			
電 話		F A X		

※電子メールアドレスは、Gmail や YAHOO メールなどのフリーメール以外のメールアドレスをご記入下さい。

- 本レポートに対するご意見・ご要望などございましたら、下記にご記入ください。

---



---



---



---



---



---



---



---