

# Navian Marketing Report

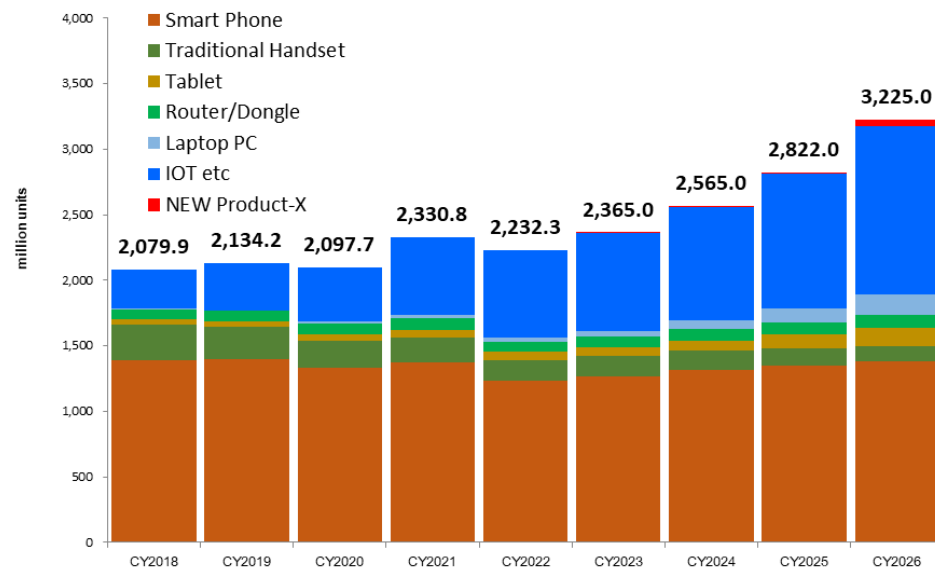
## Front End Module と高周波部品市場の中期展望 RF Devices/Modules for Cellular 2022-2023

2023年3月1日発行

本レポートで対象とする RF Devices / Modules

- ①Front end Module (ASM・RX Module・TX Module・PAiD・PAMiD・FEMiD・Multiplexer・Antenna Multiplexer・5G TX Module/PAMiF・AIP・mmW Module) ②Antenna Switch (For Main RF・For RX Diversity) ③Power Amplifier Module ④Duplexer(SAW/BAW/IHP) ⑤Band Pass Filter(SAW/BAW/IHP/LTCC for Sub 6GHz/IPD for Sub 6GHz) ⑥TCXO

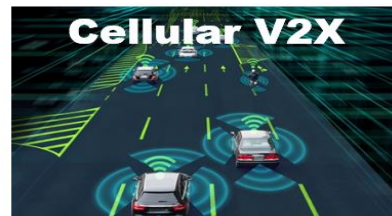
### Cellular Terminal Shipment Forecast by Standard



**New Product X**  
表示や入出力がSmart phone等の既存のMobile機器とは一線を画す5G時代を牽引する新型機器の登場を予想。



**Cellular LPWA IOT**  
5Gの目玉の一つだが、5G規格のNR-IOTはしばらく時間がかかりそう。当面は4GベースのNB-IOTを中心にIOTの市場が拡大する。



**Cellular V2X**  
Cellular V2Xは、LTEの採用がこれからといった段階。WiFiベースの802.11pとの競合もあり、需要規模は限定的。



**Cellular PC/Tablet**  
5Gの実用化に伴って、Tablet・Notebook PCのCellular搭載が本格化。Notebook PC・Tablet市場を刺激するカンフル剤としても期待。

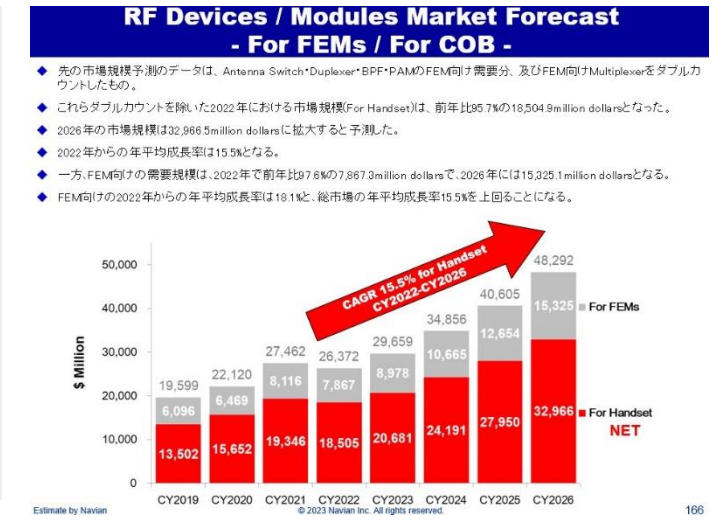
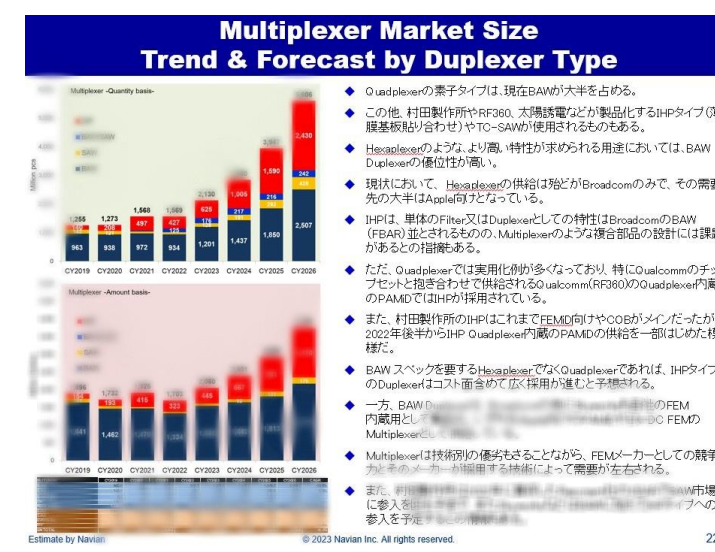
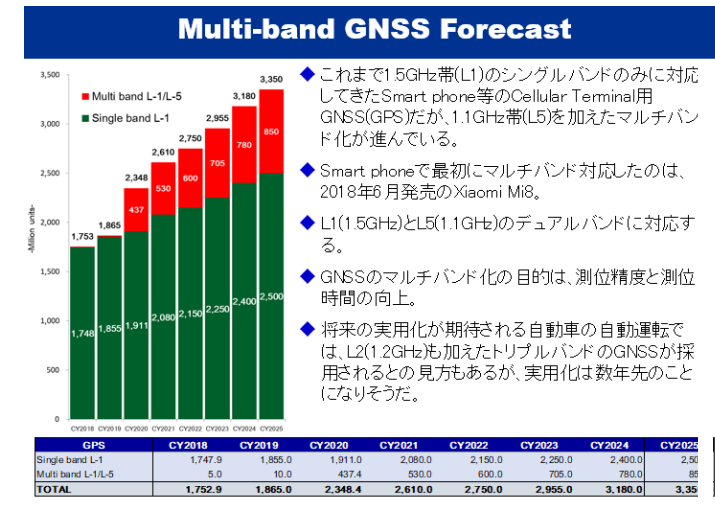


**Smart phone**  
5Gの採用が最も期待される製品。ただ、ミリ波についてはスペース・コスト・消費電力の面から限定的との見方が強い。



**Traditional Handset**  
5Gの採用は最後発となる。またミリ波の採用もなく、Sub 3GHz又はSub 6GHzの採用に止まる。

# Report Sample



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■資料発刊要領

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-CD-ROM (PDF file & Excel file)-

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