

Category	Winners (in alphabetical order)		Highlights
Cat 1: Innovative Breakthrough in Mobile Technology Award	China Information and Communication Technology Group Co., Ltd. (CICT)	NBB Interference Cancellation Solution	<ul style="list-style-type: none"> • Reduce operator's requirement for frequency clearance and enable the opening of 700MHz NR despite the presence of digital TV interference. • Add digital filters on the RRU side to do interference cancellation. • Reduce the bottom noise by up to 20dB, adapt to any interference pattern, and restore the bottom noise to normal in the non-interference area without small bandwidth limitation. • Unique digital filtering technology for adaptive suppression of interference by software definition. • Adjust the interference suppression algorithm according to the interference.
	Ericsson	Ericsson Time-Critical Communication Solution	<ul style="list-style-type: none"> • It is enabled through a software toolbox for removing lags and interruptions in mobile networks. • It combines 3GPP-specified ultra-reliable, low latency communication (URLLC) standard with Ericsson innovations to mitigate major causes of latency. • The software product delivers consistent low latency (50ms to 1ms) end-to-end at specified guarantee levels (99.9 percent to 99.999 percent) – enabling time-critical use cases at scale. • The solution offers consistent, lag-free experiences for consumers and reliable connectivity for enterprises by unlocking diverse latency-sensitive applications in four categories as real-time media (cloud gaming, VR/AR), remote control, mobility automation, and industrial control.
	Huawei Technologies Co., Ltd.	Huawei Green 5G Solutions	<ul style="list-style-type: none"> • Improve network energy efficiency through collaborative innovation, to ensure network capacity increase at reduced energy consumption. • MetaAAU: A new generation Green Massive MIMO product that reduces power consumption by 30%. • Ultra-wideband RRU: A radio unit that combines high integration with new components for 20% lower power consumption. • Green Power: Lower-power outdoor cabinet and power module. • Signal Direct Injection Feeding (SDIF) Antenna: Internal antenna cables are replaced by integrated signal runs to enable ultra-low signal loss and improve radio power efficiency by 15%. • PowerStar: Improve the power efficiency of the network by 25%.
	MediaTek	M80	<ul style="list-style-type: none"> • M80 is MediaTek's new 5G modem platform, which supports 3GPP Release R16 features to bring 5G experiences to any device. • 3CC Carrier Aggregation (300MHz) 7Gbps downlink – incredible peak performance exclusively from sub-6GHz. • World's first R16 UL Enhancement – the only 5G smartphone modem to support R16 SuperUL/UL Tx Switching for both SUL and NR UL-CA based connections. • Leading MediaTek 5G UltraSave 2.0 – new generation power saving enhancement suite. • Leading 5G/4G+5G/4G Dual SIM Dual Active – continuing dual SIM leadership with simultaneously active cellular connections.

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Cat 1: Innovative Breakthrough in Mobile Technology Award	Nokia	5G Innovative Liquid Cooling	<ul style="list-style-type: none"> Nokia’s unique Liquid Cooling solution is a key contributor, and it’s across all 5G mobile network (mMIMO, RRU and baseband). Nokia’s Liquid Cooling mMIMO and Baseband have been already commercially deployed in 2020. Cut cooling energy consumption by more than 70 percent compared to traditional air conditioning systems. AI based AVA and special heat sink design (own IPR) are milestones in Nokia's commitment to sustainability and combatting climate change.
	Qualcomm Technologies, Inc.	Snapdragon® 8 Gen 1	<ul style="list-style-type: none"> Designed to transform the next generation of flagship devices. Lead the way into a new era of premium mobile technology. Most advanced 5G mobile platform and the world’s first 5G modem-RF solution to reach 10 Gigabit download speeds. The first commercial 18-bit mobile ISP. Industry-leading on-device AI powered by the 7th Gen Qualcomm® AI Engine. 4th Gen Snapdragon Elite Gaming™ features offer desktop-level gaming experiences to surpass the demands of mobile gamers. World’s first platform compliant with the Android Ready Secure Element (SE) Alliance.
	Samsung Electronics	Galaxy Z Flip3 5G	<ul style="list-style-type: none"> The Galaxy Z Flip3 is the best-selling foldable smartphone globally. Compact size: Great things fit in small pockets, a full-sized smartphone that folds to fit small-sized pockets. Cover screen: The 1.9-inch Cover Screen displays notifications and lets you intuitively interact with them. Flex mode: Hands-free, Z Flip3 5G stands on its own, so there's nothing to hold, and nothing to hold you back. Multi-tasking: Double up on doing, split the screen in two and multitask like a Multi-active window or 2 apps opened on the Main Screen with Split Screen.
	Unisoc	V516 Chipset	<ul style="list-style-type: none"> Focus on the development of a series of high-value R16 features in response to the current pain points in the development of 5G industry applications. Modules or terminals developed based on V516 can support the ursp multi-network slicing function, as well as the CAG function, which is essential for 5G virtual private networks. V516 supports urllc features. This product is an epoch-making product, helping 5G further realize the replacement of wired networks.