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## Research Dossier: Asia Pacific Telecom (Gt)



### Country

Taiwan

### Company Name

Asia Pacific Telecom Co., Ltd.

### Ownership Type

Subsidiary

### Website

<https://www.aptg.com.tw/>

### MNC

05

## Company Overview

Asia Pacific Telecom, founded in 2000, was formed by the parent company, Asia Pacific Broadband Telecom Co., Ltd. (originally named Eastern Broadband Telecommunications Co., Ltd) consolidating the subsidiaries, "Asia Pacific Mobile Broadband" and "Asia Pacific Online Service" respectively in 2007 and 2011.

The company has traditionally been a CDMA operator which operated over CDMA2000 EV-DO Rev. B (800MHz), until the service was discontinued in August 2017. APT advised that it had planned to migrate all 3G customers across to its 4G LTE network which was launched in December 2014. 4G LTE began on B28 (700 MHz) and later expanded with B8 (900 MHz). TDD-LTE was introduced in September 2018 over B38 (2600 MHz), after securing additional spectrum from 2570 to 2595 MHz in 2016. The company implements a number of AirSpan small cell solutions to convert B8/28 carriers into B38 (2600 MHz) for indoor coverage.

In July 2018 the company announced the introduction of NB-IoT along with eMTC (Cat-M1) and LTE-M on its existing B8 (900 MHz) and B28 (700 MHz) 4G networks, following a year-long development process.

APT launched 5G services in October 2020 using the 3.5 GHz FR1 band and 28 GHz FR2 band, with a spectrum sharing arrangement in place with FET.

### ▼ 4G LTE Network Information

Details on LTE network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Evolution

[LTE \(Standard\)](#)

Status

Active [Launched 2014-

12]

Max. MIMO	<a href="#">2x2 MIMO</a>	Max. Modulation	<a href="#">64QAM</a>
Carrier Aggregation	-	Features	<a href="#">LTE-M</a> <a href="#">VoLTE</a>

LTE Band	Channel Width	Status
<a href="#">B28 (700 MHz)</a>	10 MHz	Active
<a href="#">B8 (900 MHz)</a>	10 MHz	Active
<a href="#">B38 (2600 MHz)</a>	20 MHz	Active
<a href="#">B41 (2500 MHz)</a>	20 MHz	Active

▼ 5G NR Network Information

Details on 5G NR network deployments are shown below. Data are often incomplete due to commercial nature. Consult dossier text for further details.

Type	<a href="#">NR (Standard)</a>	Status	Active [Launched 2020-10-23]
Max. MIMO	<a href="#">Massive MIMO</a>	Max. Modulation	<a href="#">256QAM</a>
Carrier Aggregation	-	Features	-

NR Band	Channel Width	Status
<a href="#">n78 (3500 MHz)</a>	80 MHz	Active
<a href="#">n257 (28 GHz)</a>	400 MHz	Active

▼ IoT Network - NB-IoT (LTE Cat-NB1)

Technology	<a href="#">NB-IoT (LTE Cat-NB1)</a>	Status	Active
Band	<a href="#">B8 (900 MHz)</a> <a href="#">B28 (700 MHz)</a>	Launch Date	2018-07

▼ IoT Network - eMTC (LTE Cat-M1)

Technology	<a href="#">eMTC (LTE Cat-M1)</a>	Status	Active
Band	<a href="#">B8 (900 MHz)</a> <a href="#">B28 (700 MHz)</a>	Launch Date	2018-07

Document Generated on January 27, 2023 14:00

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