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Research Dossier: A1 Telekom Austria

Country
Austria

Company Name
A1 Telekom Austria

Ownership Type
Subsidiary

Ownership/Controlling Entity
A1 Telekom Austria Group

Website
http://www.a1.net

MNC
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Company Overview

A1 Telekom Austria (A1) is a major Austrian fixed and mobile network operator. It has been operating commercially since 1994 and in testing since 1992. It launched under the name Mobilkom Austria. After the merger with Telekom Austria in July 2010 it operates under the new name of A1 Telekom Austria.

A1 Telekom Austria is a 100% subsidiary of Telekom Austria. A1 Telekom Austria offers convergent communication solutions. The product portfolio includes fixed line and mobile telephony, internet, IT services, IPTV, wholesale services as well as mobile payment solutions. In 2012 the company acquired Orange Austria Telecommunication GmbH (Orange Austria), acquiring its portfolio of customers along with base station infrastructure and frequency licences in the 900, 2100, and 2600 MHz bands, substantially increasing A1's network capacity and performance.

The company launched its 3G UMTS service in 2003 on B1 (2100 MHz) later upgraded to HSPA+ in 2009, the first in Europe, and later DC-HSPA+ in December 2010. A1 launched its 4G LTE service in 2010 on B7 (2600 MHz) band in metropolitan areas and B20 (800 MHz) in rural areas. In 2014 the company began LTE-A upgrades to permit carrier aggregation of B7 and B20 bands. A1 announced the successful implementation of LTE-A Pro "Pre5G" technology on its network in December 2018.

A1 Telekom Austria 5G

Together with its technology partner Nokia, A1 conducted live network testing of its 5G service in June 2018, achieving peak data rates of 1.4 Gbps. The company implemented its first 5G base stations in the town of Gmünd in January 2019 using an n78 (3500 MHz) carrier. A1 secured 5G spectrum in the March 2019 national auction from 3470 to 3590 MHz (120 MHz total).

▼ 3G UMTS Network Information

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

Launch Date	2006-01	Status	Active

UMTS Band	Packet Data	Status	
B1 (2100 MHz)	DC-HSPA+	Active	

▼ 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 Advanced Pro (LTE-A Pro)	Status	Active [Launched 2010-11]
Max. MIMO	2x2 MIMO	Max. Modulation	256QAM
Carrier Aggregation	CA_7A-20A (B7+B20)	Features	VoLTE

LTE Band	Channel Width	Status	
B7 (2600 MHz)	20 MHz	Active	
B20 (800 MHz)	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	NR (Standard)	Status	Active [Launched 2019-01-11]
Max. MIMO	Massive MIMO	Max. Modulation	256QAM
Carrier Aggregation	-	Features	-

NR Band	Channel Width	Status	
n78 (3500 MHz)	100 MHz	Active	

Services Available

Field Technical Services

As specialists in 3G, 4G, and 5G cellular technologies, our R-Spectrum team provides in-country technical services to most regions around the world. Operating on a contract basis we are often sent to remote and isolated regions to assist companies in establishing voice and data communications.

RF Coverage Modelling & Planning

Through our R-Spectrum team, we help our clients visualise and understand mobile signal issues by offering a range of radio frequency modelling services for 2G GSM, 3G UMTS, 4G LTE, and 5G NR cellular technologies. The first step to solving

any problem is to understand the problem.

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