

GSM 18000 Indoor BTS GRANT Comments

FCC IDENTIFIER:	YDABTS18INDHP
Name of Grantee	KAPSCH CarrierCom France SAS
Equipment Class:	PCS Licensed Transmitter
Notes:	GSM 18000 Indoor Base Transceiver Station

Previous Filing	FCC Identifier (Grant date)	AB6BTS18INDHP (11/26/2008)
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Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
	22H	869.2 - 893.8	53.7	45.0 Hz	300KGXW
	22H	869.2 - 893.8	43.65	45.0 Hz	300KG7W
	24E	1930.2 - 1989.8	38.9	90.0 Hz	300KGXW
	24E	1930.2 - 1989.8	26.3	90.0 Hz	300KG7W

Powers listed are conducted.

The equipment can be configured in the PCS1900 and GSM850 bands, respectively with the following radio modules: RM 30W PCS1900 (Hardware Code NTN050PM), RM2 30W PCS1900 (Hardware Code NTN050CP), RM2 50W PCS1900 (Hardware Code NTN050PP), HPRM 60W GSM850 (Hardware Code NTN050JA), and with following coupling devices: Dual Diplexer Module (DDM), Hybrid H2 DDM, TxFilter (TxF), H2 TxF , in both GMSK and 8PSK modulation techniques.

To comply with the FCC spurious emissions requirements, all configurations must be configured with the following restrictions.

FCC Rule Part 22 Subpart H: The maximum output power in a channel adjacent to any frequency block edge must be reduced as specified in the filing. The power reduction values are required for edge channels [ARFCN 128, 131, 133, 181, 183, 231, 233, 251] for the following GSM850 configurations: • Configurations in GMSK Modulation: 6dB power reduction [DDM & TxF configuration], 2dB power reduction [H2 DDM & H2 TxF configuration]. • Configurations in 8PSK Modulation: 4dB power reduction [DDM & TxF configuration],

FCC Rule Part 24 Subpart E: The maximum output power in a channel adjacent to any frequency block edge must be reduced as specified in the filing.

The power reduction values for the following PCS1900 RM (30W) configurations are: • Configurations in GMSK Modulation: 2dB power reduction [DDM & TxF configuration] • Configurations in 8PSK Modulation: 2dB power reduction [DDM & TxF configuration]

The power reduction values for the following PCS1900 RM2 (30W) configurations are: • Configurations in GMSK Modulation: 4dB power reduction [DDM & TxF configuration], 2dB power reduction [H2 DDM & H2 TxF configuration] • Configurations in 8PSK Modulation: 2dB power reduction [DDM & TxF configuration].

The power reduction values for the following PCS1900 RM2 (50W) configurations are: • Configurations in GMSK Modulation: 6dB power reduction [DDM & TxF configuration], 4dB power reduction [H2 DDM & H2 TxF configuration] • Configurations in 8PSK Modulation: 4dB power reduction [DDM & TxF configuration].

RF exposure compliance is addressed at the time of licensing, as required by the responsible FCC Bureau(s), including antenna co-location requirements of §1.1307(b)(3).

Previous Grant of equipment authorization (before Certification transfer to KAPSCH)

TCB

GRANT OF EQUIPMENT
AUTHORIZATION
Certification
Issued Under the Authority of the
Federal Communications Commission
By:

TCB

**Curtis-Straus LLC
One Distribution Center Circle Suite #1
Littleton, MA 01460**

Date of Grant: 11/26/2008

Application Dated: 11/26/2008

Nortel (China) Limited
No. 6 Wangjing Dong Lu
Chao Yang District
Beijing, 100102
China

Attention: Xiaochun Li , Regulatory Prime, Wireless Division

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: AB6BTS18INDHP
Name of Grantee: Nortel (China) Limited
Equipment Class: PCS Licensed Transmitter
Notes: GSM 18000 Indoor Base Transceiver Station

<u>Grant Notes</u>	<u>ECC Rule Parts</u>	<u>Frequency Range (MHz)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	22H	869.2 - 893.8	53.7	45.0 Hz	300KGXW
	22H	869.2 - 893.8	43.65	45.0 Hz	300KG7W
	24E	1930.2 - 1989.8	38.9	90.0 Hz	300KGXW
	24E	1930.2 - 1989.8	26.3	90.0 Hz	300KG7W

Powers listed are conducted. Class II permissive change as detailed in this filing.

The equipment can be configured in the PCS1900 and GSM850 bands, respectively with the following radio modules: RM 30W PCS1900(Hardware Code NTN050PM), RM2 30W PCS1900(Hardware Code NTN050CP), RM2 50W PCS1900(Hardware Code NTN050PP), HPRM 80W GSM850 (Hardware Code NTN050JA), and with following coupling devices: Dual Duplexer Module (DDM), Hybrid H2 DDM , TxFilter (TxF), H2 TxF , in both GMSK and 8PSK modulation techniques.

To comply with the FCC spurious emissions requirements, all configurations must be configured with the following restrictions.

FCC Rule Part 22 Subpart H: The maximum output power in a channel adjacent to any frequency block edge must be reduced as specified in the filing. The power reduction values are required for edge channels [ARFCN 128, 131, 133, 181, 183, 231, 233, 251] for the following GSM850 configurations: I) Configurations in GMSK Modulation: 6dB power reduction [DDM & TxF configuration], 2dB power reduction [H2 DDM & H2 TxF configuration]. II) Configurations in 8PSK Modulation: 4dB power reduction [DDM & TxF configuration].

FCC Rule Part 24 Subpart E: The maximum output power in a channel adjacent to any frequency block edge must be reduced as specified in the filing.

The power reduction values for the following PCS1900 RM (30W) configurations are:
I) Configurations in GMSK Modulation: 2dB power reduction [DDM & TxF configuration]
II) Configurations in 8PSK Modulation: 2dB power reduction [DDM & TxF configuration]

The power reduction values for the following PCS1900 RM2 (30W) configurations are: || Configurations in GMSK Modulation: 4dB power reduction [DDM & TxF configuration]. 2dB power reduction [H2 DDM & H2 Tx F configuration] || Configurations in 8PSK Modulation: 2dB power reduction [DDM & TxF configuration].

The power reduction values for the following PCS1900 RM2 (50W) configurations are: I) Configurations in GMSK Modulation: 6dB power reduction [DDM & TxF configuration], 4dB power reduction [H2 DDM & H2 Tx F configuration] I) Configurations in 8PSK Modulation: 4dB power reduction [DDM & TxF configuration].

RF exposure compliance is addressed at the time of licensing, as required by the responsible FCC Bureau(s), including antenna co-location requirements of §1.1307(b)(3).

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