

Certificate of Approval

This Certificate is issued to

IP Access Ltd

of

Building 2020
Cambourne Business Park
Cambourne
Cambridge
CB23 6DW
UK

to certify that the product known as

nanoBTS Model 165H

is compliant with 47 CFR Part 24E and meets the requirements for

PCS Licensed Transmitter

Signed:

On Behalf of BABT

Issue Date: 05 May 2009

Number: US/000268 Issue: 1

This certificate has been issued by BABT in accordance with the Certification Regulations of BABT. Conditions for the validity of this certificate, if any, are listed in the Annex. This certificate is not transferable and remains the property of BABT.

Annex to

TCB CERTIFICATE of APPROVAL

Description of Equipment

GSM/GPRS/EDGE/AMR picocellular base station operating at 1900MHz.

FCC Id: QGGKU02ZZR

Equipment Authorisation Code: PCB

Radio Type: PCS Licenced Transmitter

Frequency Range (MHz)	Output (Watts)	Frequency Tolerance	Emission Designator
1930.2 – 1989.8	0.275	+ - 32 Hz	320KGXW
1930.2 – 1989.8	0.553	+ - 35 Hz	320KG7W

Original Grant Relevant Technical Documentation

Exhibit 1: Label:

Label Exhibit 1

File: Exhibit 1 - Label design.pdf

Label Exhibit 2

File: 165H008_PRT_Issue_A.pdf

Label Exhibit 3

File: 165H010_PRT_Issue_A.pdf

Label Location

File: 165_Label_positions.pdf

Exhibit 2: Attestation Statement:

Not Required

Exhibit 3: External Photos:

External Photos

File: 165H-External_Photos.pdf

Exhibit 4: Block Diagram:

Block Diagram

Confidential File: 165H_BTS_Block-Diagram.pdf

Exhibit 5: Schematics:

Schematics

Confidential file: 165H_Schematics_BOM_IssueF_PCB_IssueB.pdf

Exhibit 6: Technical Report:

Test Report 1

File: 75905356 Report 02 Issue 2.pdf

Test Report 2

File: 75905356 Report 01 Issue 2.pdf

Exhibit 7: Test Set-up Photographs:

Not Required

Exhibit 8: User's Manual:

Installation Manual

File: NGSM_INST_300_nanoBTS_Install_v2_1-CP.pdf

Product Description

File: NGSM_GST_300_nanoBTS_Prod_Desc_v1_0m0.1-CP.pdf

Exhibit 9: Internal Photographs:

Internal Photos

File: 165H-Internal_Photos.pdf

Exhibit 10: Tune-up Procedure and Parts:

Parts list

Confidential file: 165H 1900M BOM IssueG For RevB PCB.pdf

Tune Up

Confidential file: Tune-up Procedure.pdf

Exhibit 11: RF Exposure:

MPE Report

File: 75905356 Report 03 Issue 2.pdf

Exhibit 12: Operating Description:

Operating Description

Confidential File: Operating Description of the EUT 165_BTS FCCid
QGGKU02ZZS.pdf

Antenna Details

Confidential File: IP Access 165H Antenna details.pdf

Antenna Assembly

Confidential File: 165#180_PRT_Issue_A.pdf

Antenna Assembly Parts

Confidential File: 165#080_PL_Issue_F.pdf

Exhibit 13: Cover Letters:

Authorization Letter

File: Annex A - FCC Agent Authorisation letter.pdf

Confidentiality Letter

File: Annex B - FCC Confidentiality Request letter.pdf

Overall Assessment Letter

File: US000268-Overall-Assessment-letter.pdf

Conditions for the validity of the original grant

Output power is peak conducted. The external antenna installation and operating configurations of this transmitter, antenna gain and cable loss must satisfy MPE categorical Exclusion Requirements of §2.1091.

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). Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Signed: 

Date: 5th May 2009

on behalf of BABT