



Federative Republic of Brazil
Telecommunications National Agency

Certificate of Equipment Authorization

(Not Transferable)

Nº **06101-24-16700**

Expires: **Indeterminada**

Date of Certificate: **23/09/2024**

Applicant: **CNPJ: 25.081.009/0001-03**

3ETECH ENGENHARIA E REPRESENTACOES LTDA

Manufacturer: **SOPHOS LTD.**

THE PENTAGON, ABINGDON SCIENCE PARK

Nº

REINO UNIDO DE GRÃ-BRETANHA E IRLANDA DO NORTE

This document approves, in accordance with the Telecommunication Rules and Regulations, the Certificate of Conformity number ICC 04.065/2024.1, issued by **ICC Instituto de Certificações e Conformidades Ltda.** This approval is issued on behalf of the applicant here identified and is valid only for the product described below for use under the Anatel's Rules and Regulations.

Type - Category:

Transceptor de Radiação Restrita - II

Model - Commercial Name (s)

AP6 420E

Basic technical characteristics:

Tipo de Modulação	Faixa de Frequências Tx (MHz)	Potência Máxima de Saída (W)	Tecnologias
DBPSK, DQPSK e CCK	2.400,0 a 2.483,5	0,4025	SEQUÊNCIA DIRETA
BPSK, QPSK, 16 QAM, 64 QAM	2.400,0 a 2.483,5	0,4597	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	2.400,0 a 2.483,5	0,4467	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	2.400,0 a 2.483,5	0,4842	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	2.400,0 a 2.483,5	0,466	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	2.400,0 a 2.483,5	0,4351	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,3997	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,3389	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.150,0 a 5.350,0	0,3248	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,3106	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.150,0 a 5.350,0	0,4055	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,3951	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.150,0 a 5.350,0	0,4217	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,378	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,3701	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,3851	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,4112	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,309	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,203	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.470,0 a 5.725,0	0,326	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,237	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.470,0 a 5.725,0	0,392	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,262	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.470,0 a 5.725,0	0,32	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,308	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,3	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,298	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,326	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,0473	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,0442	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.725,0 a 5.850,0	0,0369	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,0403	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.725,0 a 5.850,0	0,0402	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,0297	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.725,0 a 5.850,0	0,0464	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.725,0 a 5.850,0	0,0376	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.725,0 a 5.850,0	0,0311	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,0265	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,0463	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,0883	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,1384	OFDMA

Produto comercializado com a marca SOPHOS.

Ensaio de SAR não aplicável.

Possui antena interna integrada.

Os valores de potências indicados nas faixas de 5150-5350 MHz, 5470-5725 MHz e 5925-7125 MHz referem-se à potência média em E.I.R.P.

Ganho das antenas (5,1 GHz, 5,4 e 6 GHz): 5,5 dBi (antena 1 e antena 2).

Possui mecanismo DFS.

Na instalação do produto devem ser observadas as condições de uso conforme estabelecido no regulamento sobre equipamentos de radiação restrita.

Constitutes an obligation of the manufacturer or supplier of the product in Brazil to identify all approved products with Anatel's mark before its distribution to the market, as well as observe and maintain the technical characteristics which motivated the original certification.

The information in this Approval Certificate can be confirmed in the Certification and Approval Management System - SCH, available on Anatel's website. (www.anatel.gov.br).

Davidson Gonzaga da Silva
Gerente de Certificação e Numeração