Federative Republic of Brazil
Telecommunications National Agency

ANATEL

Certificate of Equipment Authorization

(Not Transferable)

Nº **06105-24-16700**

Expires: **Indeterminada**

Date of Certificate: **20/08/2024**

Applicant:
CNPJ: 25.081.009/0001-03
E3TECH 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 04.065/2024.4, 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 Anatels Rules and Regulations.

Type - Category:
Transceptor de Radiação Restrita - II

Model - Comercial Name (s)
AP6 840E

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	0,1168	SEQÜÊNCIA DIRETA
BPSK, QPSK, 16 QAM, 64 QAM	2.400,0 a 2.483,5	0,0615	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	2.400,0 a 2.483,5	0,1315	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	2.400,0 a 2.483,5	0,1241	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	2.400,0 a 2.483,5	0,1418	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	2.400,0 a 2.483,5	0,126	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,2243	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,184	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.725,0 a 5.850,0	0,2437	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.725,0 a 5.850,0	0,2067	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.725,0 a 5.850,0	0,2433	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.725,0 a 5.850,0	0,1598	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.725,0 a 5.850,0	0,1945	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.725,0 a 5.850,0	0,2223	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.725,0 a 5.850,0	0,0729	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,3038	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,2815	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.150,0 a 5.350,0	0,4264	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.150,0 a 5.350,0	0,2928	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.150,0 a 5.350,0	0,5067	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.150,0 a 5.350,0	0,2351	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,3065	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,409	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.150,0 a 5.350,0	0,2273	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,261	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,253	OFDM
BPSK, QPSK, 16 QAM, 64 QAM	5.470,0 a 5.725,0	0,407	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.470,0 a 5.725,0	0,265	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.470,0 a 5.725,0	0,435	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM	5.470,0 a 5.725,0	0,247	OFDM
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,284	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,1066	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.470,0 a 5.725,0	0,28	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,0191	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,0358	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,067	OFDMA
BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM, 1024QAM	5.925,0 a 7.125,0	0,1213	OFDMA

- Ensaio de SAR não aplicável: o equipamento não é terminal portátil.
- Possui antena interna integrada.
- Ganho das antenas (5,1 e 5,4 GHz): 6,2 dBi
- Ganho das antenas (5925 a 7125 MHz): 7,2 dBi
- 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.
- Possui mecanismo DFS.

Comments

Na instalação do produto devem ser observadas as condições de uso conforme estabelecido no Regulamento sobre Equipamentos de Radiocomunicação 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).

Davison Gonzaga da Silva
Gerente de Certificação e Numeração