

# DC RF INSTRUMENTS PTY LTD.

Level 1, 115 Grenfell street, Adelaide, SA 5000  
04 23 118 106  
Admin@dc-rf.com



## Wi-Fi 6 FEM 65506

High Power 5 GHz Front-End Module

### Product Overview

The DC-RF Wi-Fi 6 FEM 65506 is a high-power Front-End Module designed for IEEE 802.11ax (Wi-Fi 6) communication architectures. Operating in the 5.15–5.85 GHz band, this module integrates RF front-end functionality for compact wireless system designs and is optimized for high output power performance in HE160 applications.

### Key Features

Feature	Description
Frequency Range	5.15–5.85 GHz
Wireless Standard	Optimized for Wi-Fi 6 / IEEE 802.11ax
Output Performance	20.0 dBm HE160 MCS11 @ -40 dB DEVM
Performance Category	High Power
Architecture	Integrated RF Front-End Module for compact WLAN system integration

### Key RF Specifications

Typical performance at room temperature (25°C).

### Electrical Specifications

*Note: Specifications are preliminary and subject to change without notice.*

---

<b>Parameter</b>	<b>Specification / Condition</b>
Operating Frequency	5.15–5.85 GHz
Performance Category	High Power
HE160 / MCS11 / DEVM	20.0 dBm @ -40 dB DEVM
Wireless Standard	Wi-Fi 6 / IEEE 802.11ax
Application Band	5 GHz WLAN front-end applications

---