

lib/phy/upper/channel  
\_coding/ldpc/avx512\_support.h

```
graph BT; A["lib/phy/upper/channel_ldpc_decoder_avx512.cpp"] --> C["lib/phy/upper/channel_coding_ldpc_avx512_support.h"]; B["lib/phy/upper/channel_coding_ldpc_rate_dematcher_avx512_impl.cpp"] --> C;
```

The diagram illustrates a header file dependency. At the top is a dark gray box containing the header file path: `lib/phy/upper/channel_coding/ldpc/avx512_support.h`. Below it are two boxes. The left box, with a white background, contains the source file path: `lib/phy/upper/channel_ldpc_decoder_avx512.cpp`. The right box, with a light gray background, contains the source file path: `lib/phy/upper/channel_coding/ldpc_rate_dematcher_avx512_impl.cpp`. Two blue arrows point from the bottom of each source file box up to the header file box, indicating that both source files include this header.

lib/phy/upper/channel  
\_coding/ldpc/ldpc\_decoder  
\_avx512.cpp

lib/phy/upper/channel  
\_coding/ldpc/ldpc\_rate  
\_dematcher\_avx512\_impl.cpp