

# LiFi Power Splitter/Combiner

## General Description

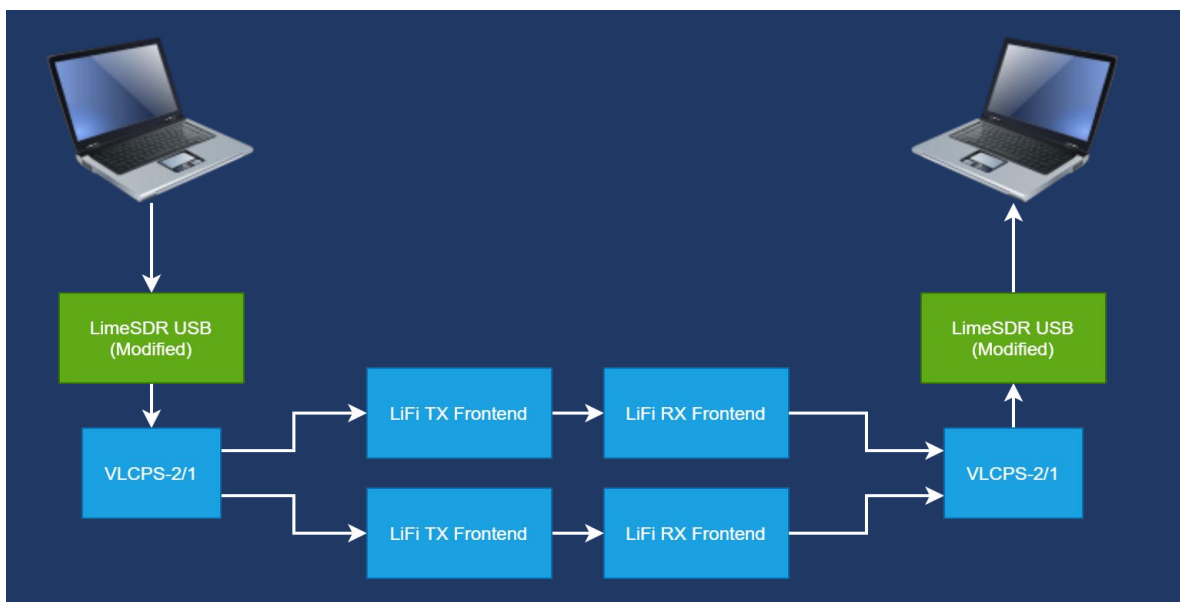
Our LiFi power splitter/combiner VLCPS-2/1 is a perfect solution for your MIMO LiFi system needs. At the transmitter side, you can drive multiple LEDs using this module. At the receiver side, it makes possible to combine signals from multiple detectors and couple it to a single input port.

## Features

- 4W max RF input power
- 50/50 signal splitting and combining
- 514 MHz bandwidth
- 50 Ohm I/O impedance
- Compatible with Hyperion LiFi Transmitter (LIFITXFE)
- Compatible with Hyperion LiFi Receiver (LIFIRXFE)



Specifications	
Max Input Power (AC)	4W
Input Impedance	50 Ohms
3dB Bandwidth	514 MHz
Operating Temperature	5° to 70° C



**Application idea:** Using VLCPS-2/1 for 2x2 MIMO LiFi system

# Electrical Specifications

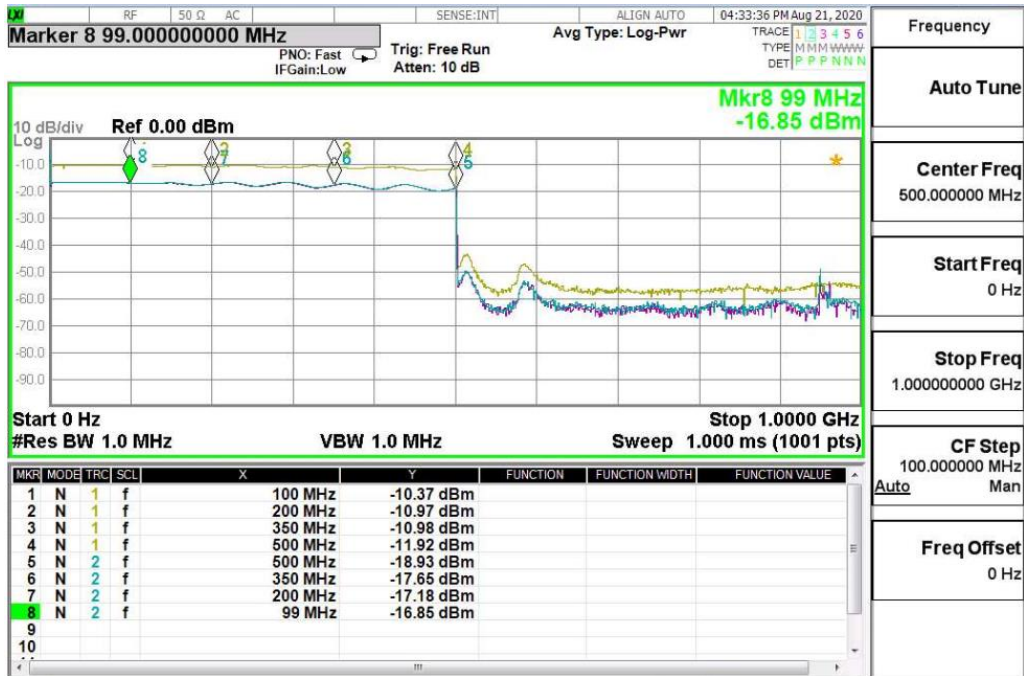


Fig. 3 – Splitter performance  
Trace 1 is Input, Trace 2 and 3 are output



Fig. 4 – Combiner performance  
Trace 1 and 3 as input Trace 4 is output

# Mechanical Specifications

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