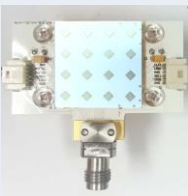
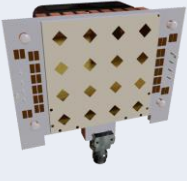
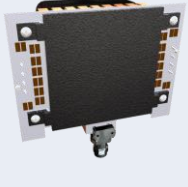
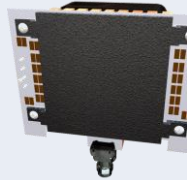
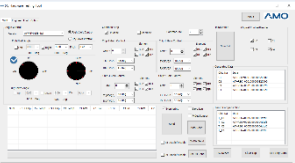
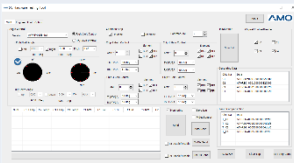
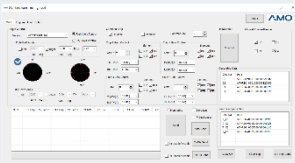
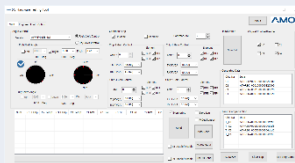




AMO 5G AiP

October 2020

5G AiP EVB History

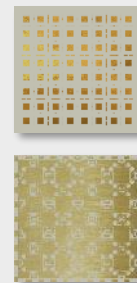
Antenna Array	Released			Brand New
	4x4	4x4	8x8	8x8
Chipset	Anokiwave AWMF-0108 (Gen1)	Anokiwave AWMF-0158 (Gen2)	Anokiwave AWMF-0108 (Gen1)	Anokiwave AWMF-0158 (Gen2)
AiP EVB	 AiP Module	 AiP Module	 AiP Module	 AiP Module
Digital Board	 Control Board	 Control Board	 Control Board	 Control Board
Control S/W	 window S/W for 5G AiP	 window S/W for 5G AiP	 window S/W for 5G AiP	 window S/W for 5G AiP
Release	Nov. 2018	Jan. 2019	Feb. 2019	Dec. 2020

5G AiP EVB Roadmap

- 2020 : 8x8 28GHz Gen2 AiP EVB
2x4 28GHz DLP AiP EVB
4x4 28GHz DLP AiP EVB with IF converter
- 2019 : 4x4 Gen2 AiP EVB
8x8 Gen1 AiP EVB
8x8 K/Ka band SATCOM AiP EVB
- Nov. 2018 : 4x4 Gen1 AiP EVB (new version)
- May. 2018 : 4x4 Gen1 AiP EVB (old version)

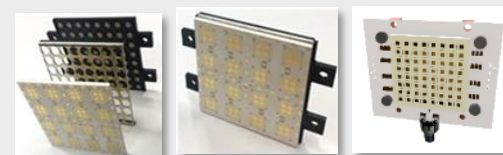
- 8x8 28GHz Gen2 AiP EVB
- 2x4 28GHz DLP AiP EVB
- 4x4 28GHz DLP AiP EVB with IF converter

2020



2019

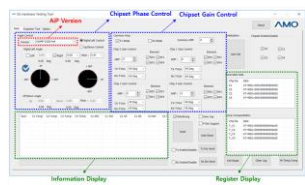
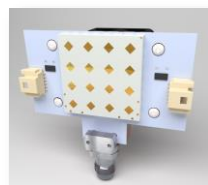
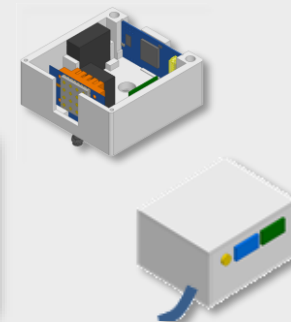
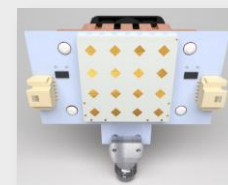
- 4x4 AiP EVB (Gen2)
- 8x8 AiP EVB (Gen1)
- 8x8 K/Ka band SATCOM (Gen1) AiP EVB

2018
November

- 4x4 AiP EVB (Gen1)
 - Cover (AiP Module) + Power Module
 - Window S/W for AiP control

2018
May

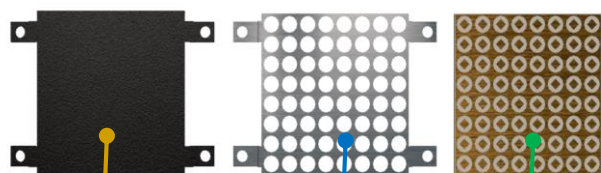
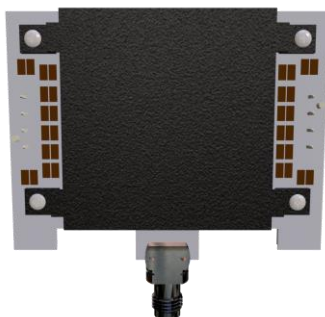
- 4x4 AiP EVB (Gen1)



Product Roadmap(1)

- 8x8 28GHz Gen2 AiP EVB (Gen2, AWMF-0158)

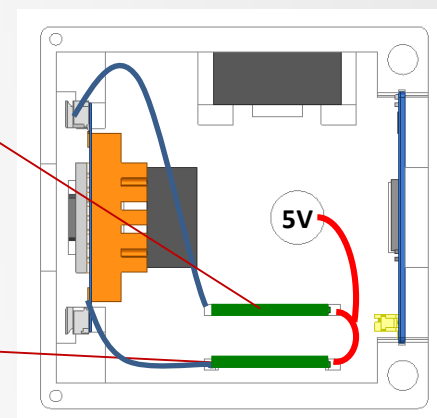
AiP

Plastic
AntennaMetal
SpacerLTCC substrate or
Organic substrate

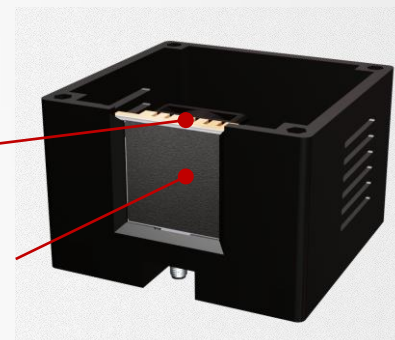
Digital board

2.5V DC – DC Converter
(for Gen2 AiP)

1.8V DC – DC Converter

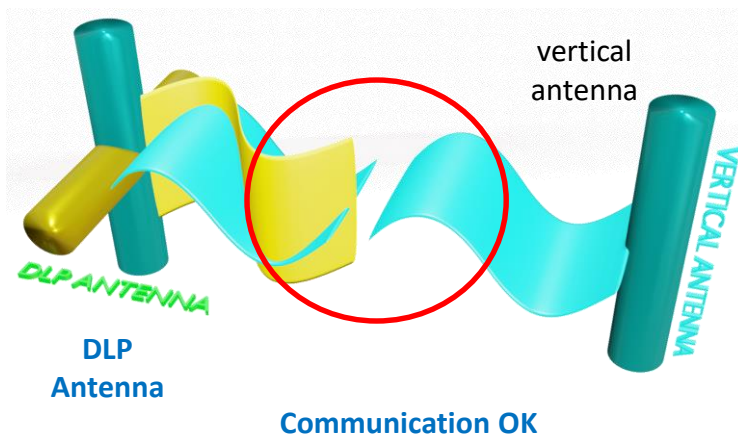
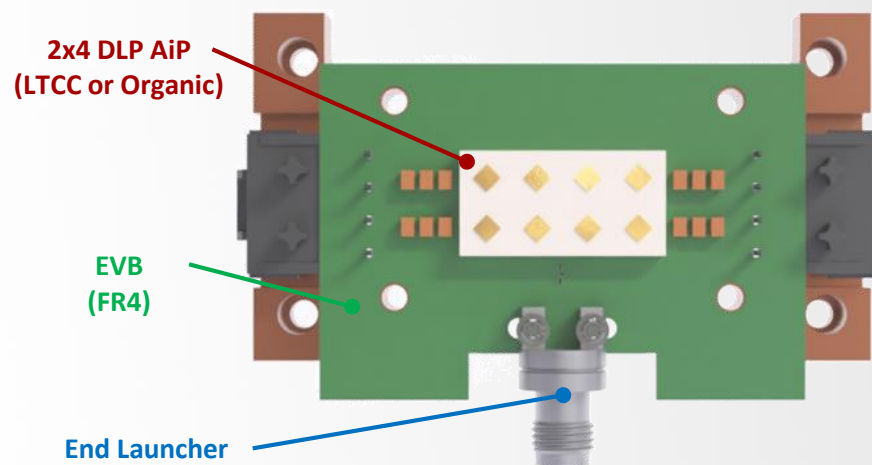
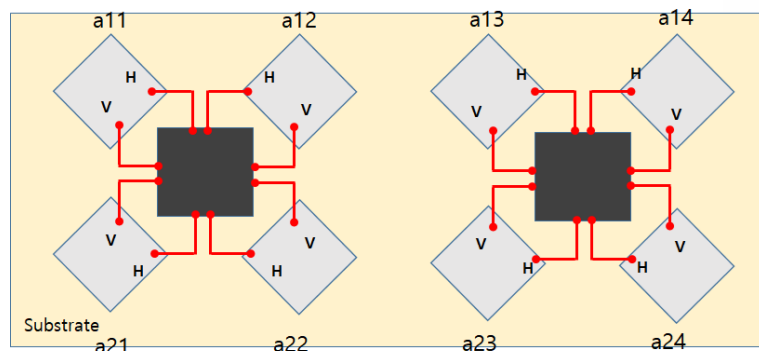
Heat
Spreader

AiP

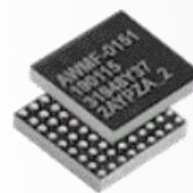
**AiP Module**

Product Roadmap(2)

- 2x4 28GHz DLP AiP EVB



DLP Chipset : AWMF-0151

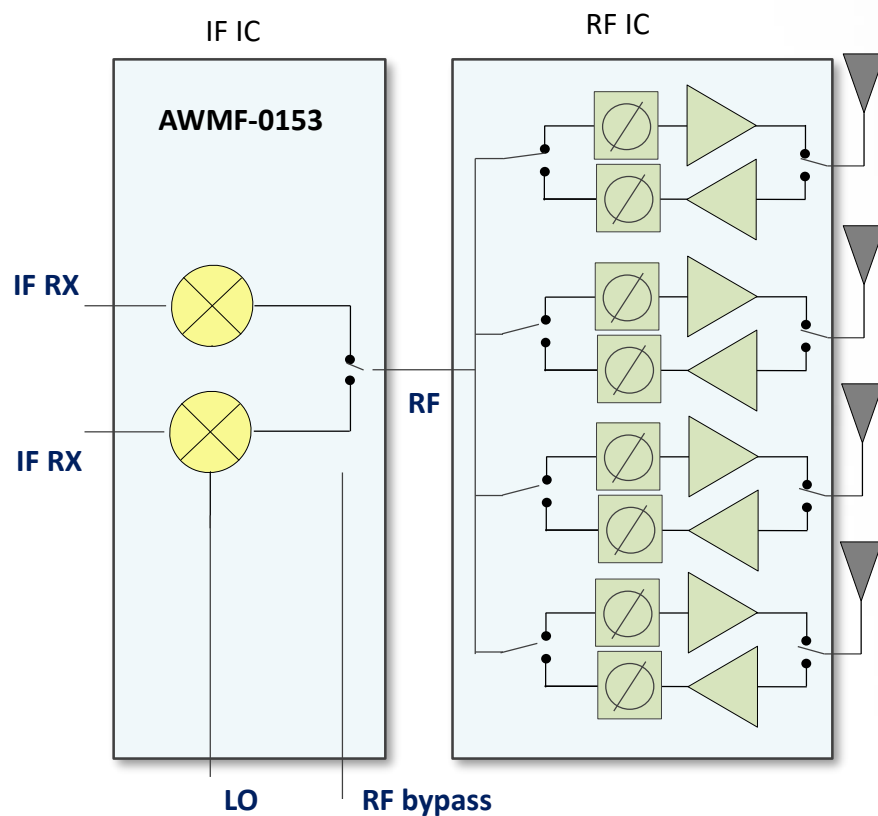


- ✓ RF 26.5 – 29.5GHz operation
- ✓ Supports 4 dual-pol elements
- ✓ 5.2 mm x 4.0 mm WLCSP Package
- ✓ Single 1.8V operation

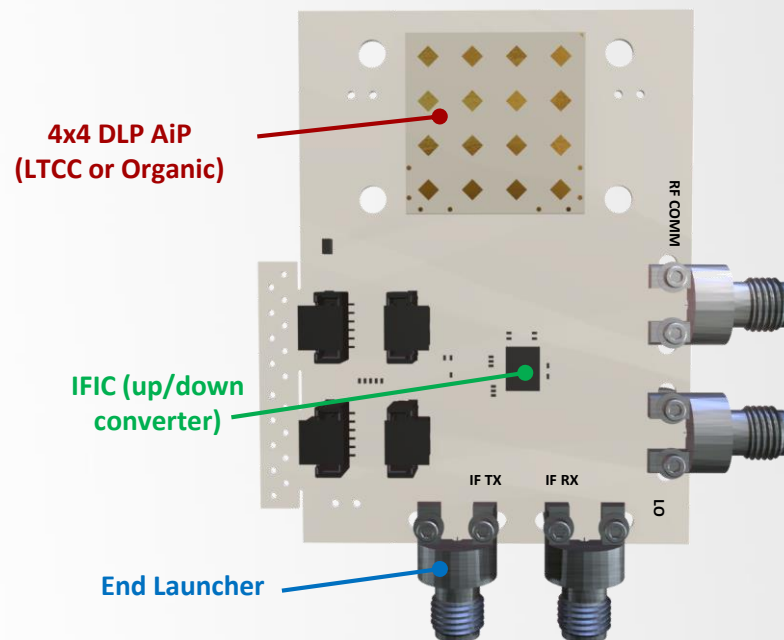
▪ AWMF-0151

Product Roadmap(3)

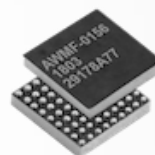
- 4x4 28GHz DLP AiP EVB with IF converter



- ✓ IF : 2.6~5.8 GHz
- ✓ RF : 26.5~29.5 GHz
- ✓ LO : 5.4~6.6 GHz



IF Chipset : AWMF-0153



▪ **AWMF-0153**

- ✓ RF 26.5 – 29.5GHz operation
- ✓ IF 2.6 – 5.8 GHz Range
- ✓ 5.2 mm x 4.0 mm WLCSP Package
- ✓ Single 1.8V operation



Thank You !!!