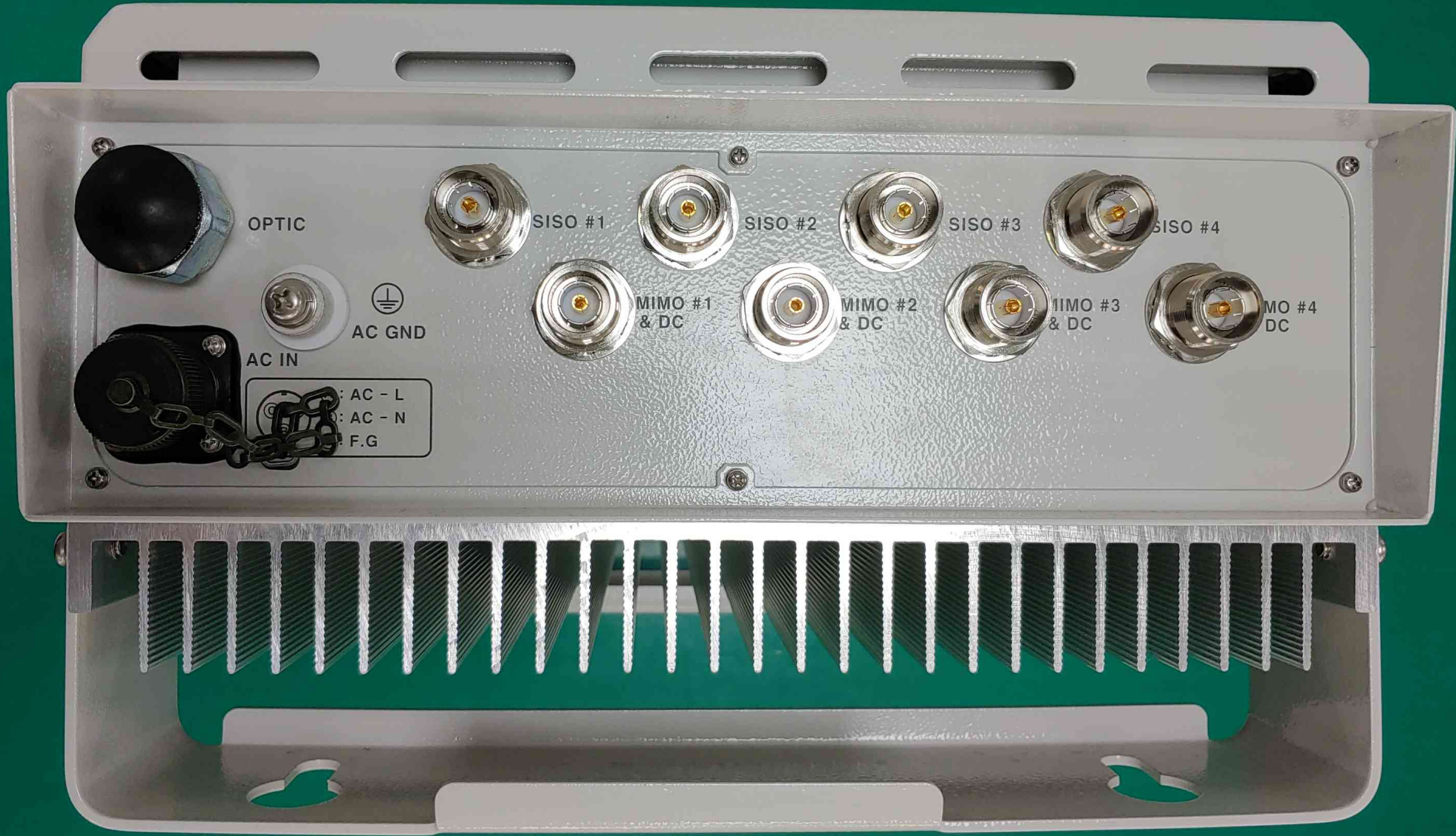




39GHz

5G

DRU

FRtek
Fiber Radio Technologies

•
AC IN
•

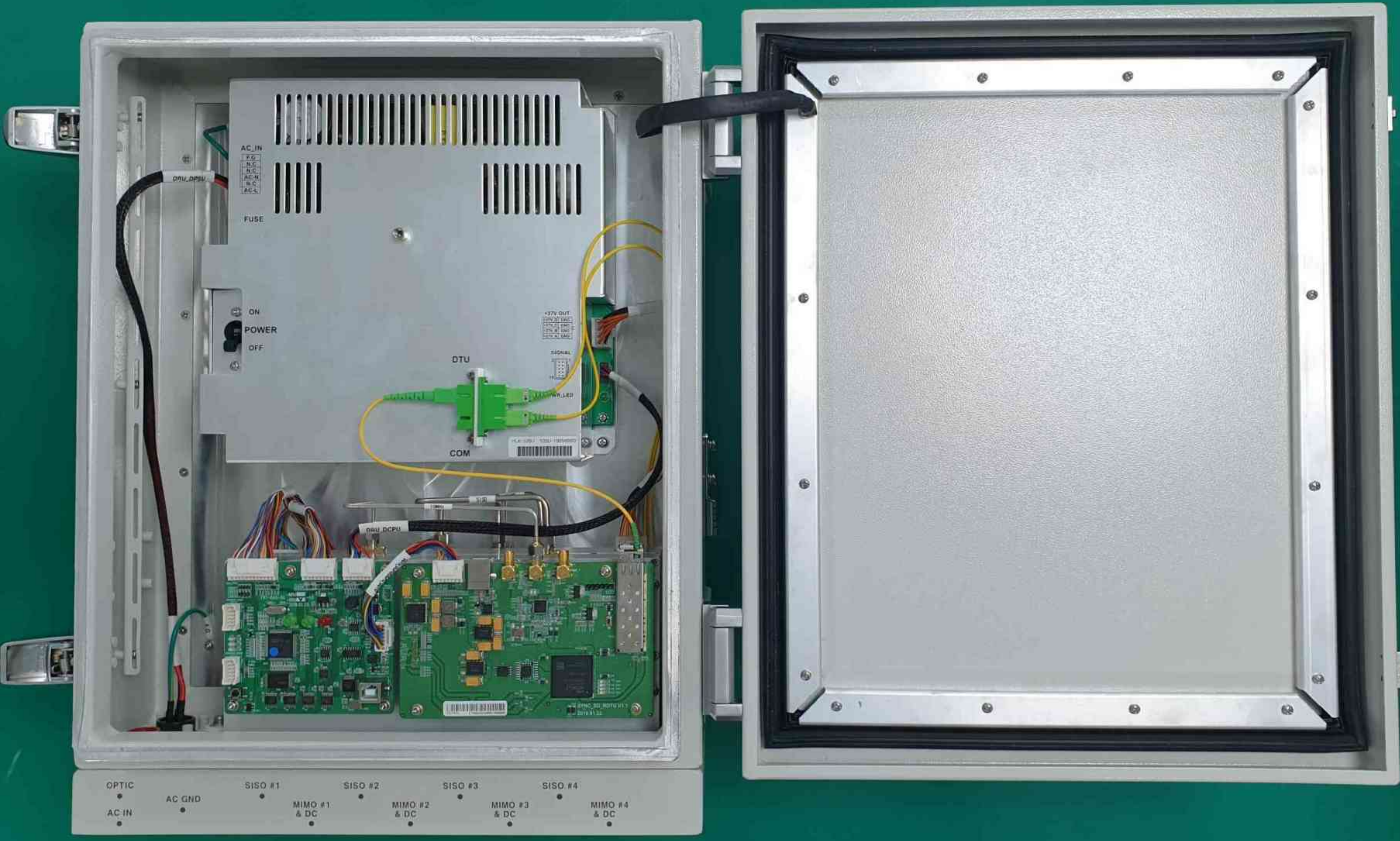
•
AC GND
•

•
MIMO #1
& DC
•

•
MIMO #2
& DC
•

•
MIMO #3
& DC
•

•
MIMO #4
& DC
•



AC IN
FUSE

ON
POWER
OFF

DTU

COM

+37V OUT
-37V OUT
+12V OUT
-12V OUT
+5V OUT
-5V OUT

SIGNAL

DATA

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

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PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

PCB: 1001 1001 1001 1001

OPTIC
AC IN
AC GND
SISO #1
MIMO #1 & DC
SISO #2
MIMO #2 & DC
SISO #3
MIMO #3 & DC
SISO #4
MIMO #4 & DC

GND

Product Name : 28GHz 5G DRU
Model Name : FR-R5G17AFU
Serial Number : FRC13-198-0003
DATE : 2019. 08
Manufacturer : FRTek Co., Ltd

Made in Korea









▲
DEBUG & S/W

5G

DU

◀ GND

39GHz

GND ▶



PWR



RUN

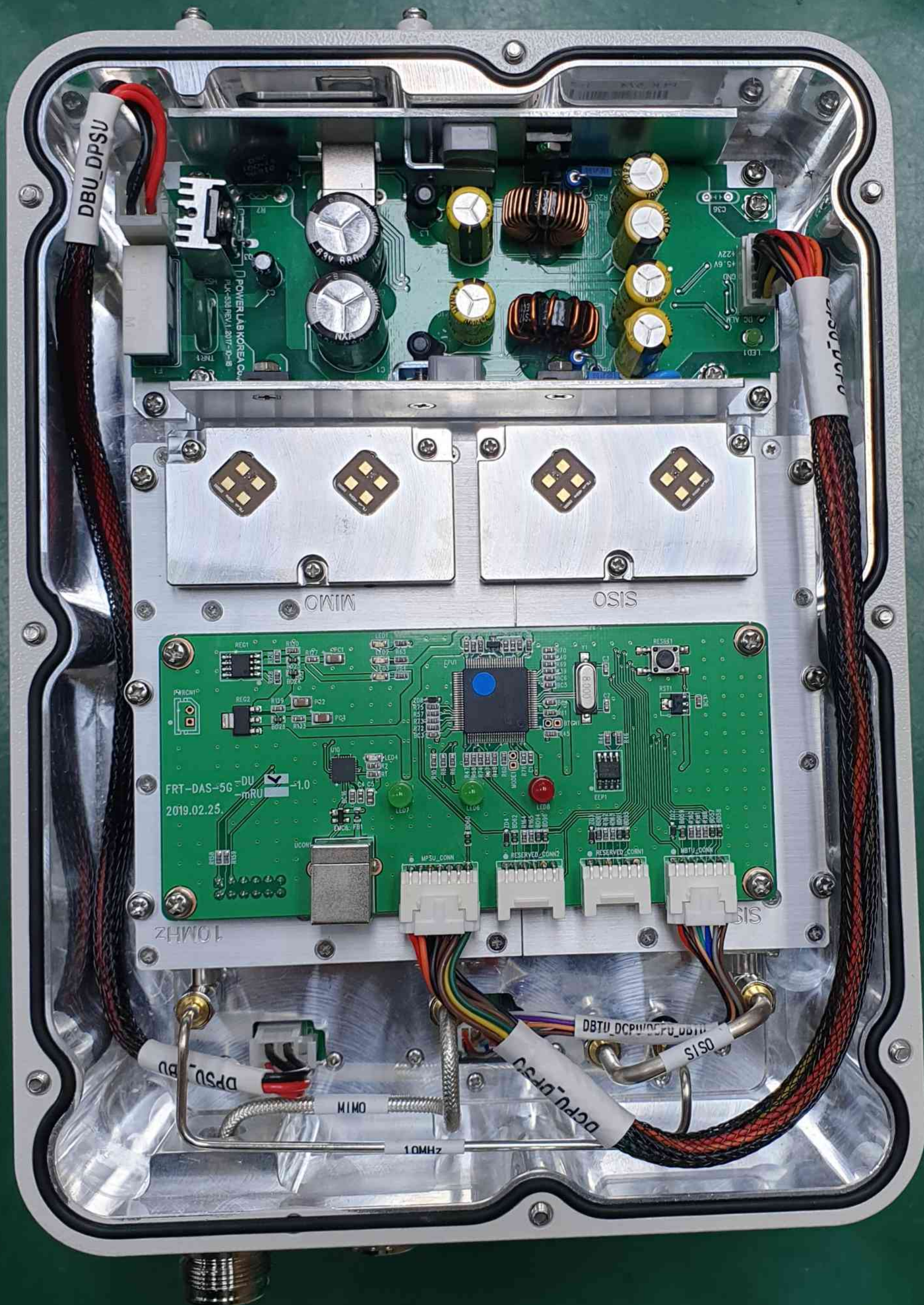


ALM

MIMO
▼

SISO & DC
▼

FRtek
Fiber Radio Technologies

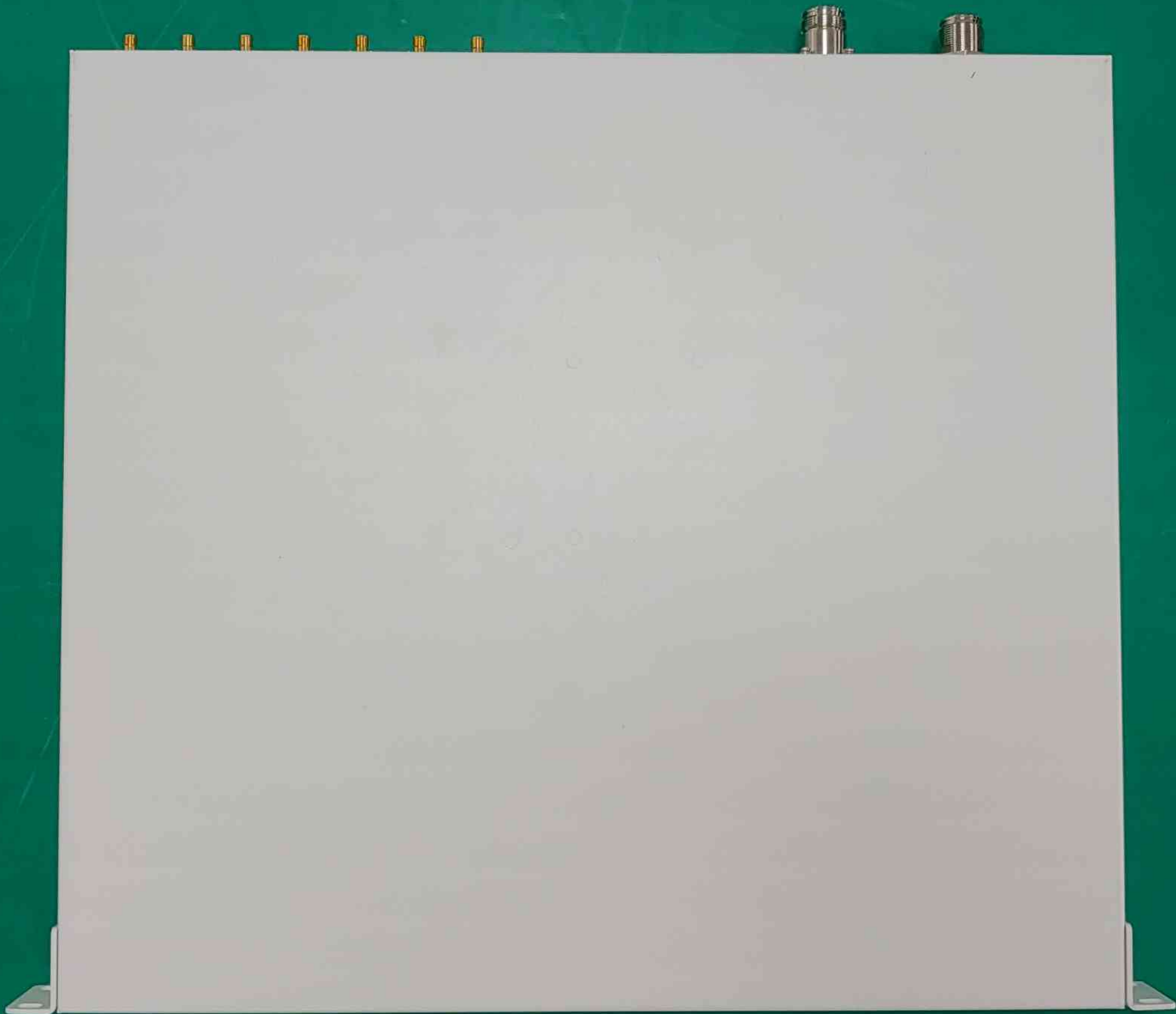








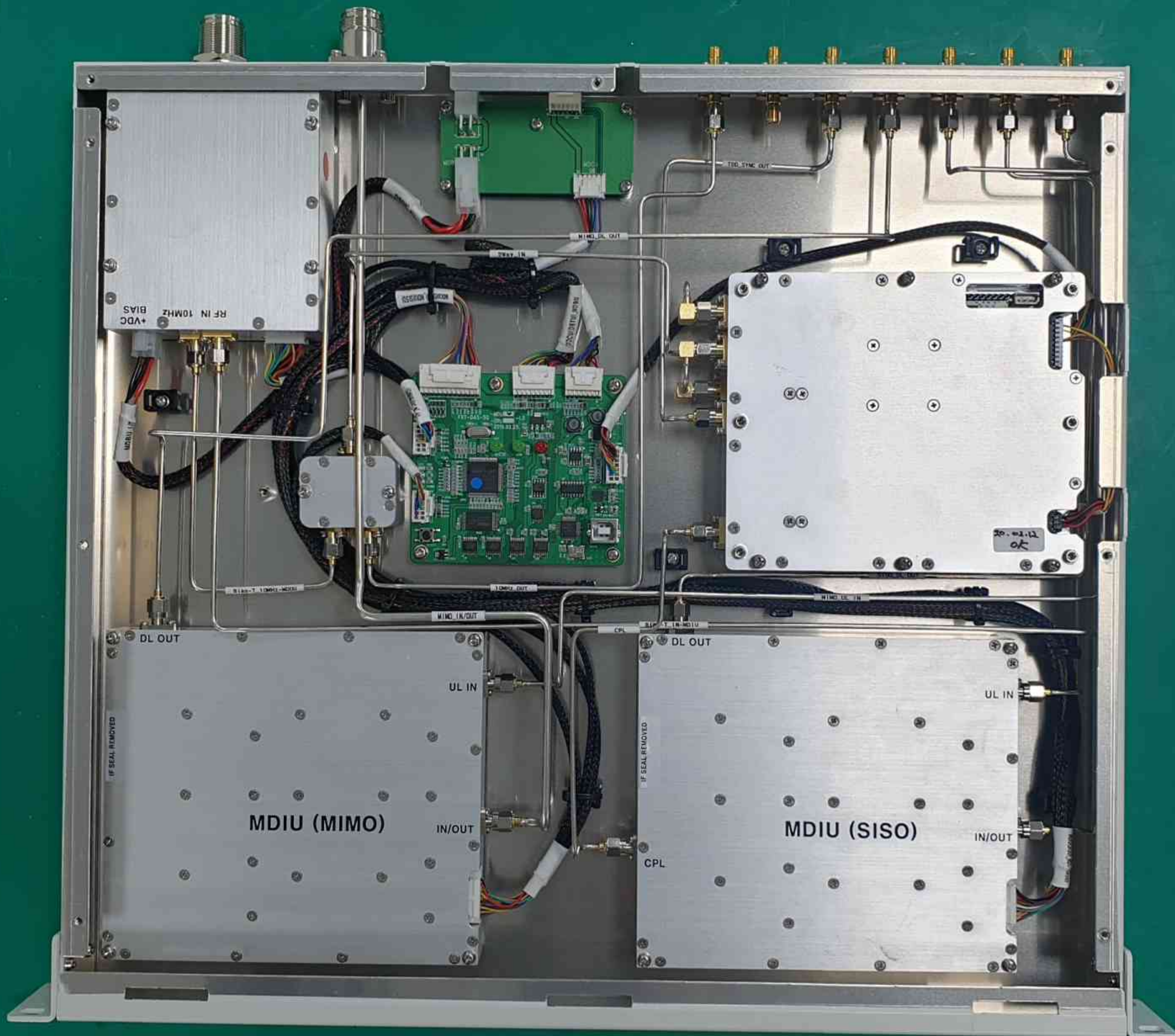




MDU

39GHz


Fiber Radio Technologies





SISO
UL IN DL OUT

MIMO
UL IN DL OUT

TDD
SYNC OUT

10MHz
IN OUT

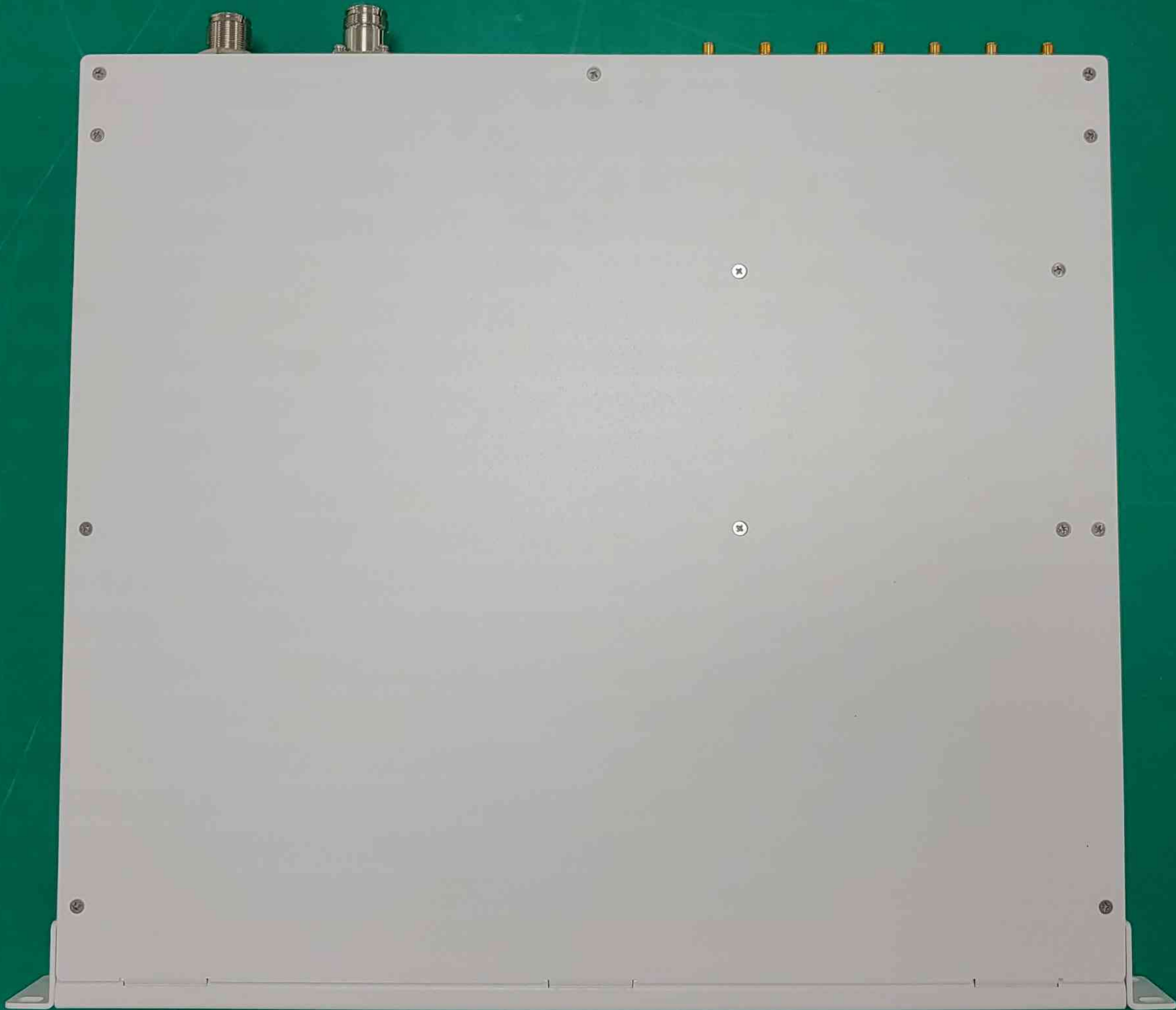
I/O

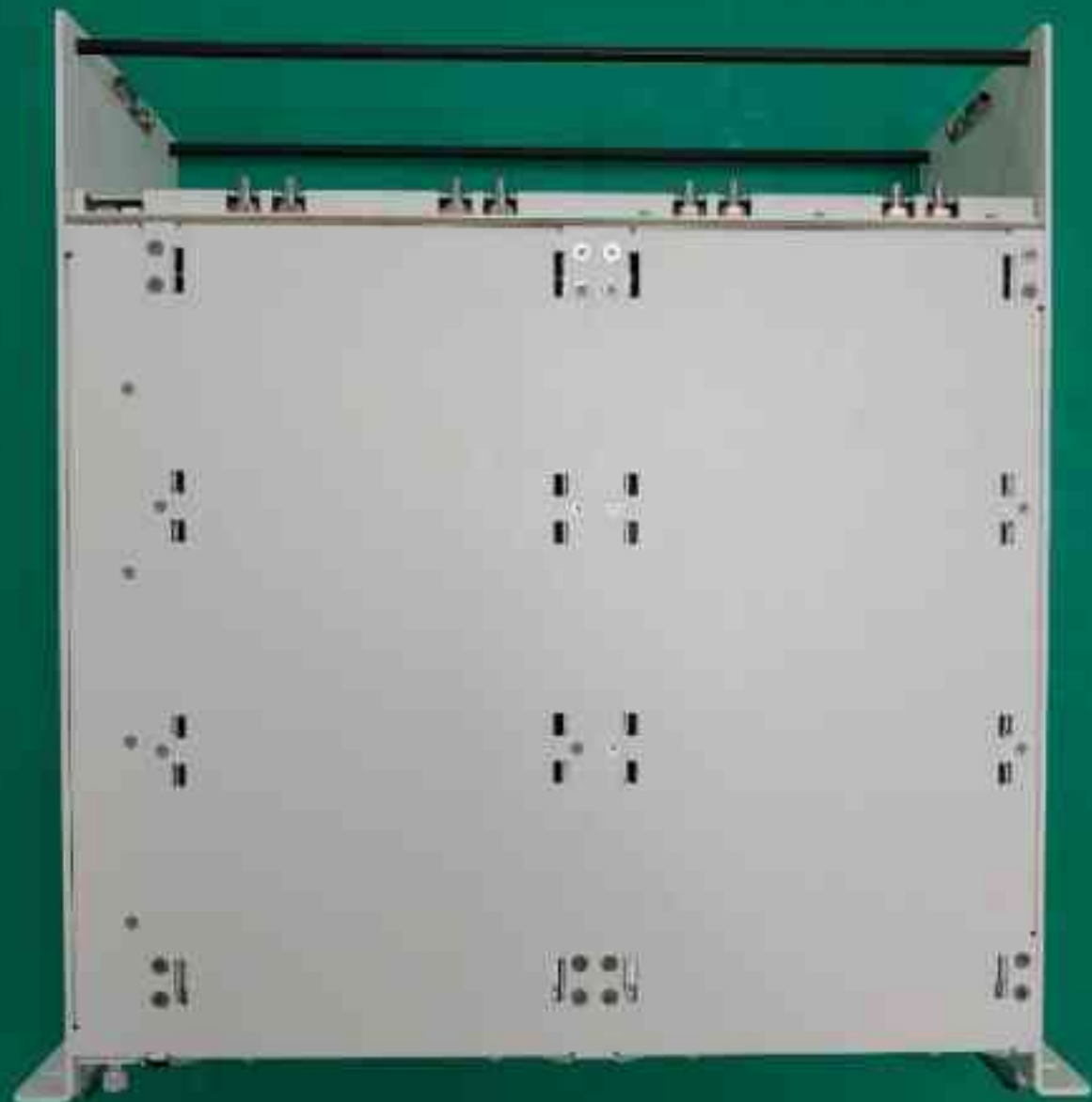
PWR

MIMO
IN/OUT

SISO
IN/OUT







39GHz

5G
MHU



BR 1 BR 2 BR 3 BR 4 BR 5 BR 6 BR 7 BR 8

LD
PD
BR 1
BR 2
BR 3
BR 4
BR 5
BR 6
BR 7
BR 8



DEBUG

MDTU

39GHz
MCPMU

PWR
RUN
ALM

DEBUG



ETHERNET
(NMS)



COM



MDTU

39GHz
MITU

BLANK

BLANK

BLANK

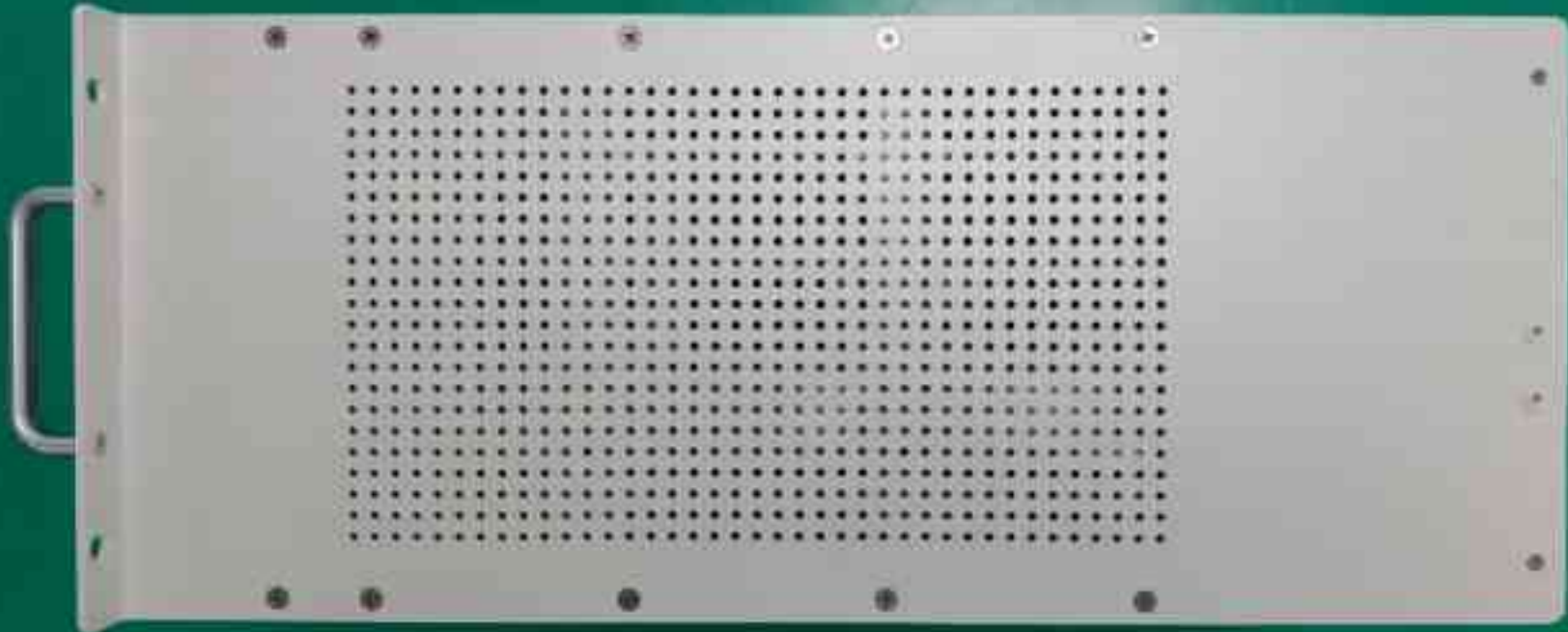
BLANK

BLANK

BLANK

BLANK

Rtek
Fiber Radio Technology



PSU_CON1

PSU_CON2

Door
Open_F

Door
Open_R



MDU EXT_FAN1 EXT_FAN2 EXT_OCXO

REF_MON REF_A_In REF_B_In T_Sync_A
Mon T_Sync_B T_Sync_A T_Sync_B 5G_IF_In
Mon In In

UL1_Out DL1_In

UL1_Out DL1_In

UL1_Out DL1_In

UL1_Out DL1_In

DL0_In UL0_Out

DL0_In UL0_Out

DL0_In UL0_Out

DL0_In UL0_Out

UL1_Out DL1_In

UL1_Out DL1_In

UL1_Out DL1_In

UL1_Out DL1_In

DL0_In UL0_Out

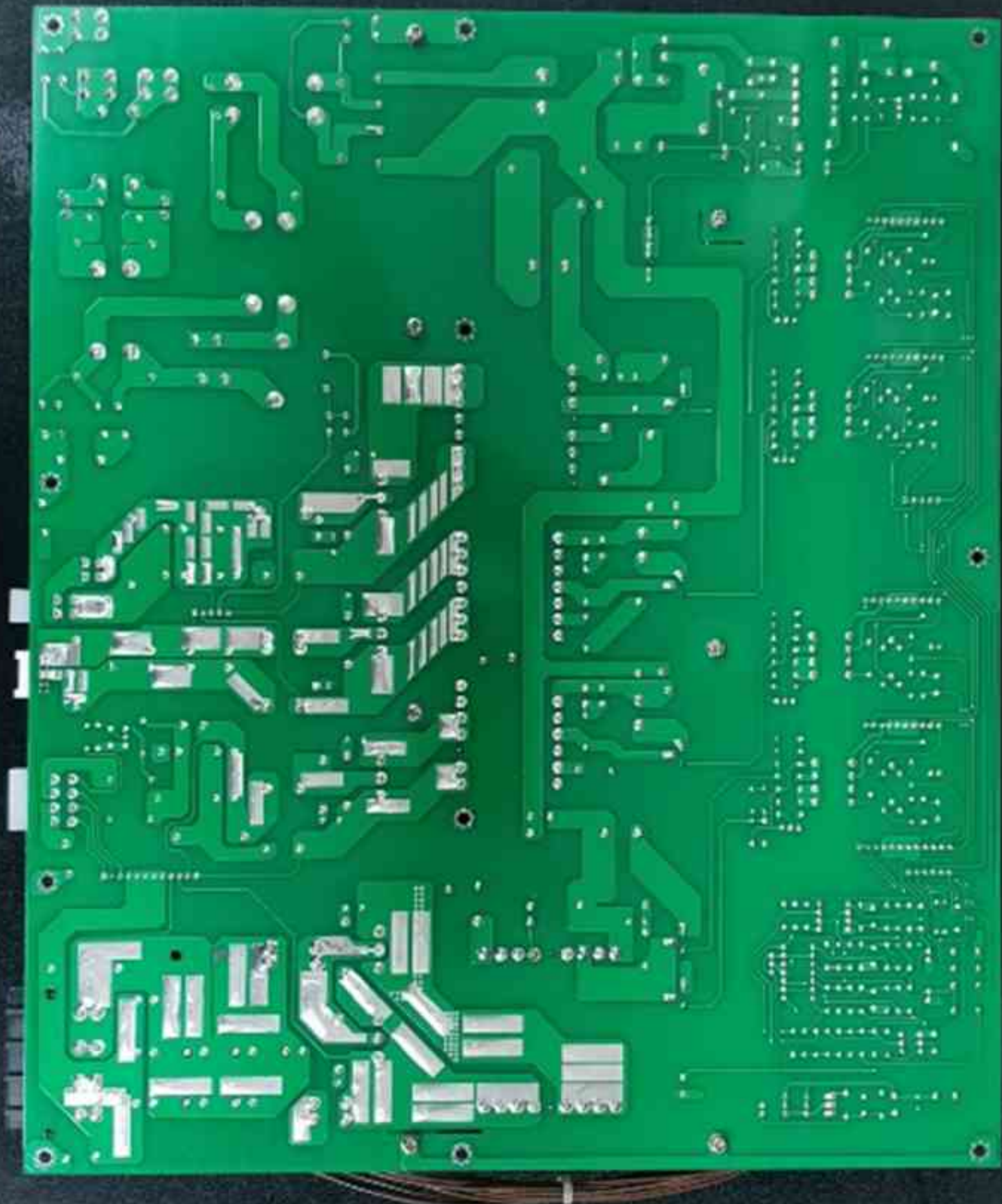
DL0_In UL0_Out

DL0_In UL0_Out

DL0_In UL0_Out











AC POWER



ON

OFF



AC FUSE
250V T15AL

MOBI PWR



ON

OFF

+3V

+12V

+5V

GND

AC

FAIL









FAN & SIGNAL

DE	AL	AL	AL	N.C	FAN EN
GND	GND	+24V	+24V		



1-4 N.C.
5-8 GND
9-12 +5V

MD5U PWR

GND	GND
+3TV	+3TV









5G

▲
MIMO & DC

▲
SISO

mRU



ALM RUN PWR

39GHz

◀ GND

GND ▶

FRtek
Fiber Radio Technologies

DEBUG & S/W



