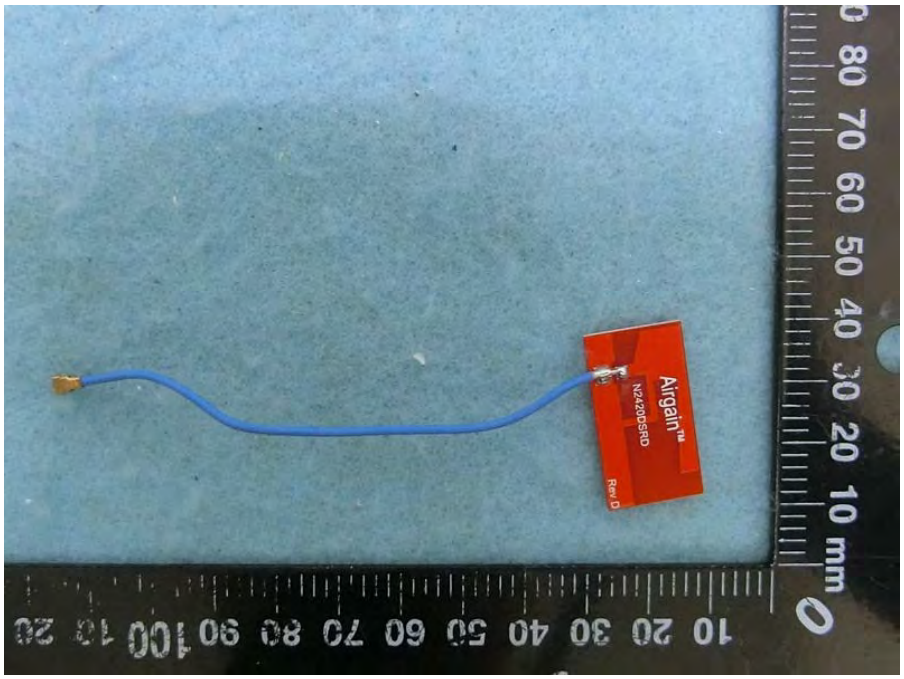
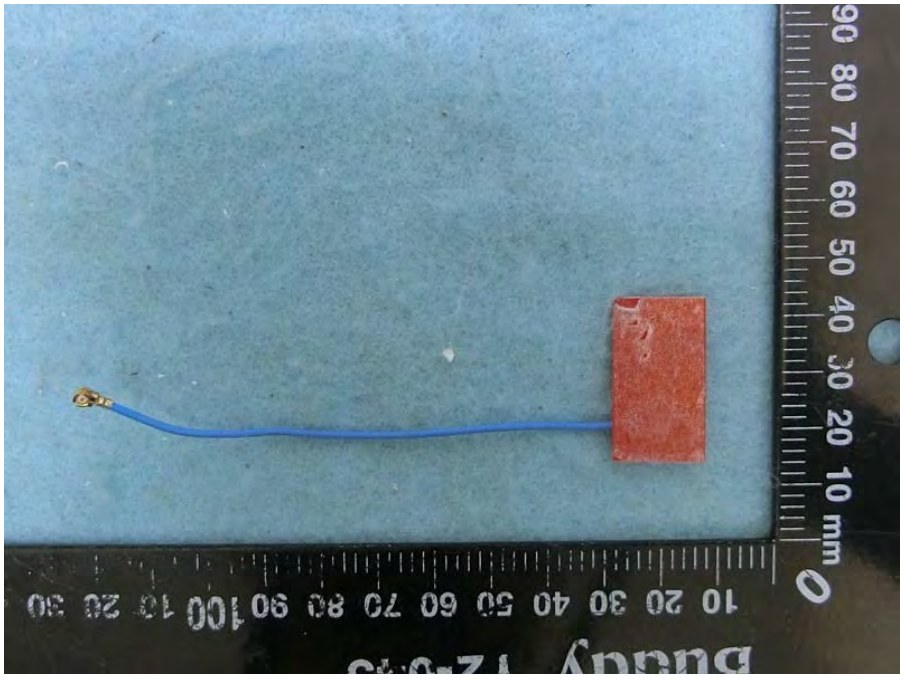
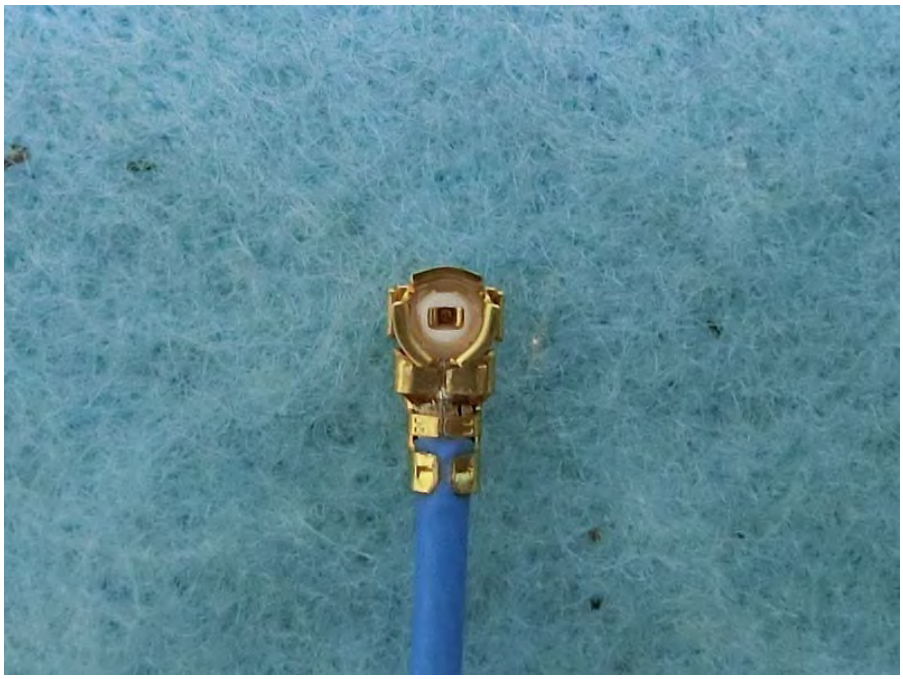
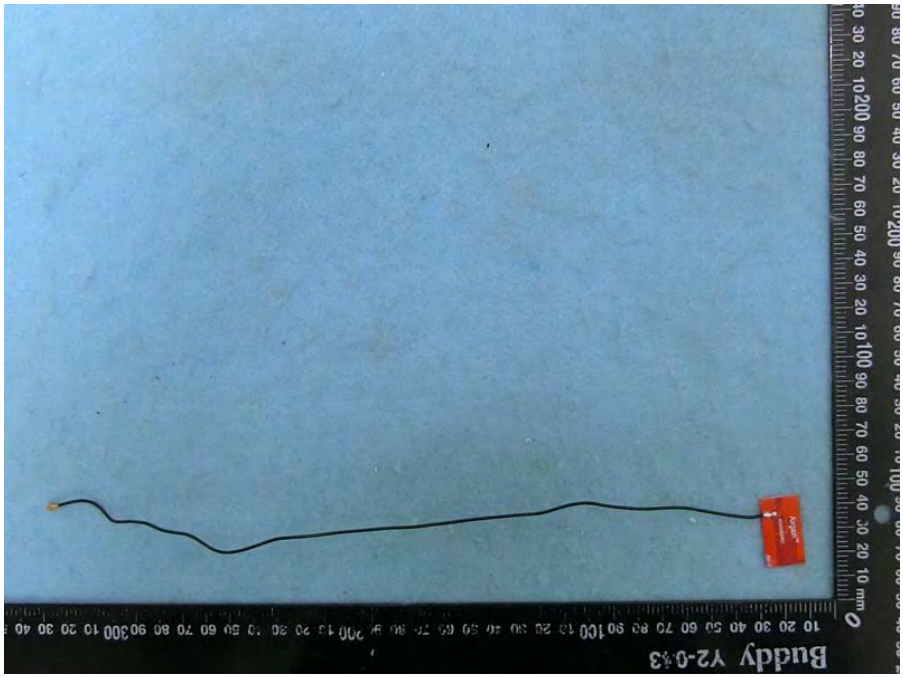
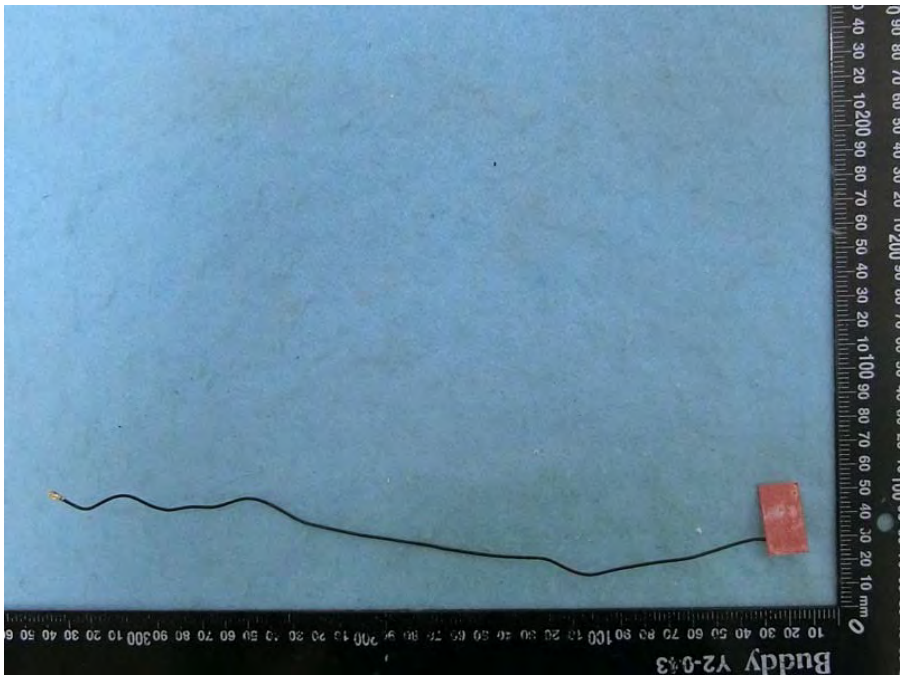
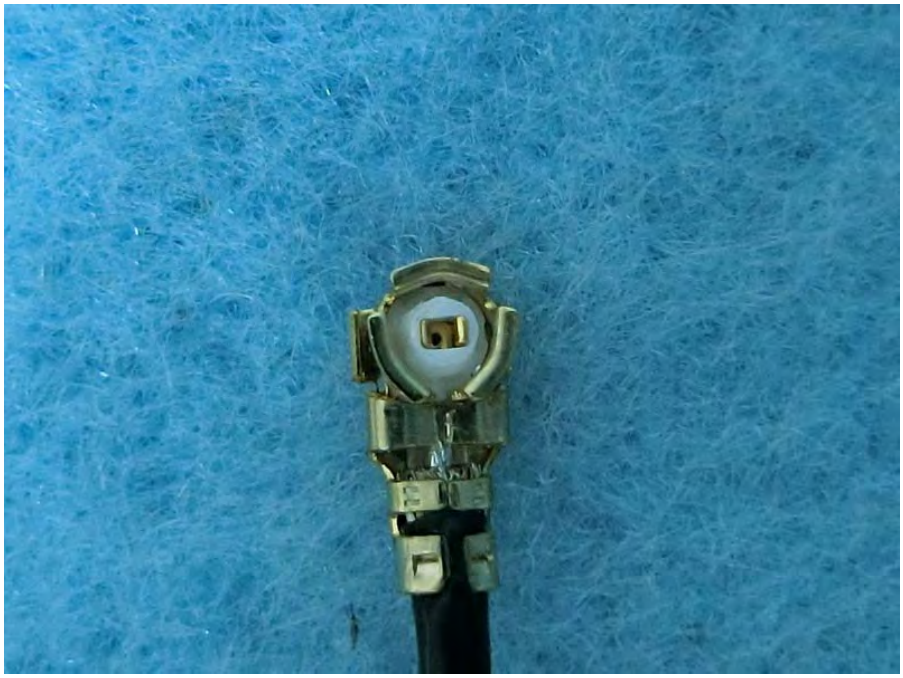

Airgain™
N2420DSRD
Rev D

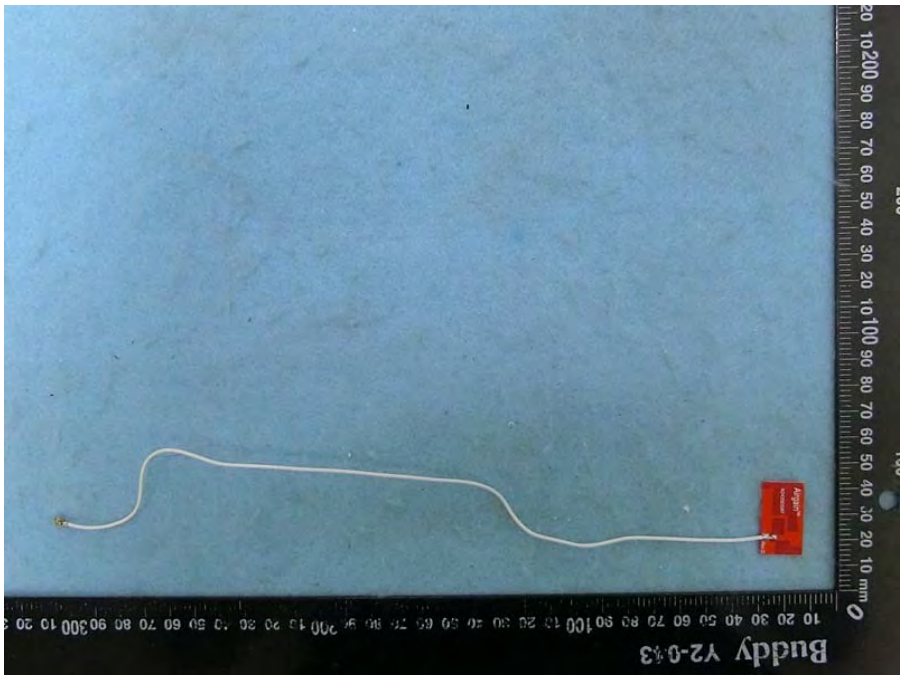


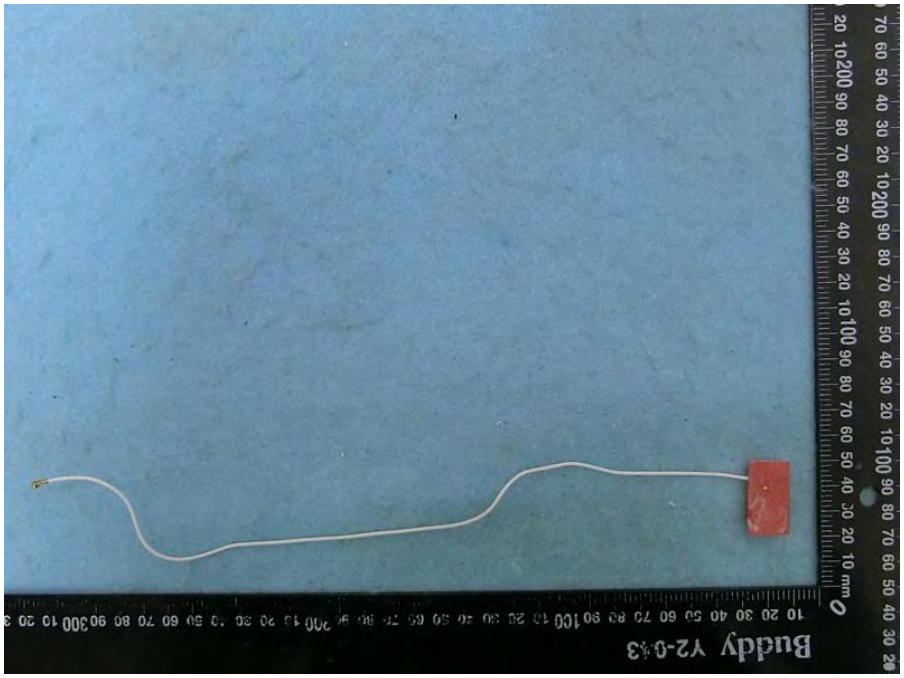



Buddy V2-013

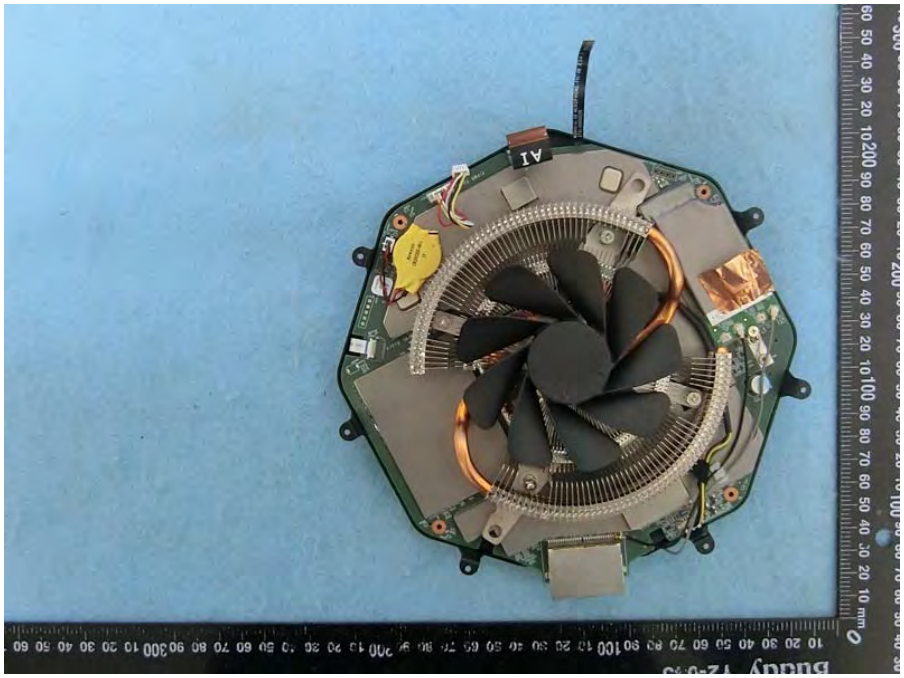


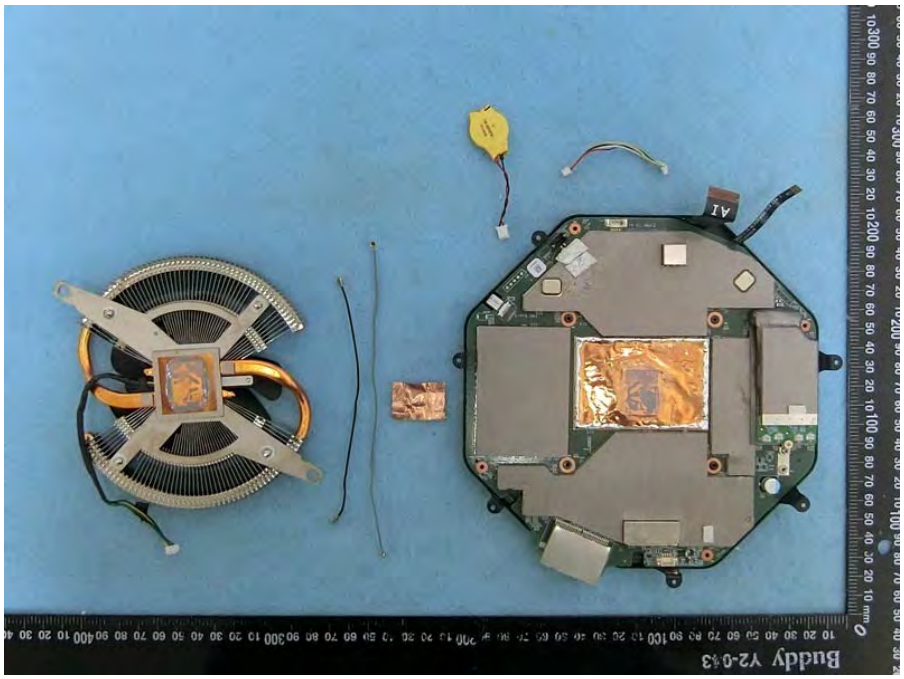


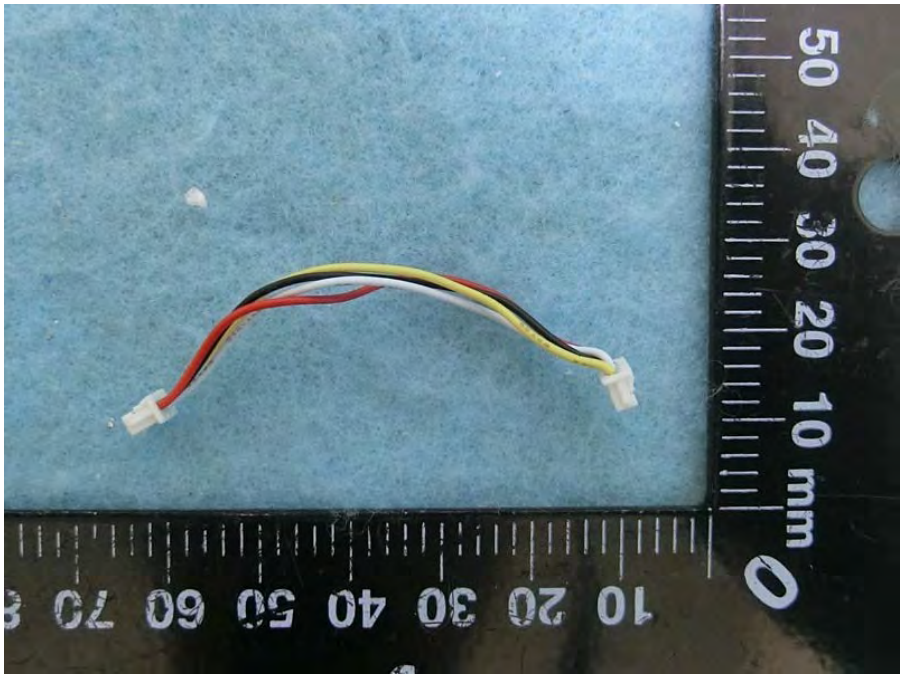

Buddy Y2-043

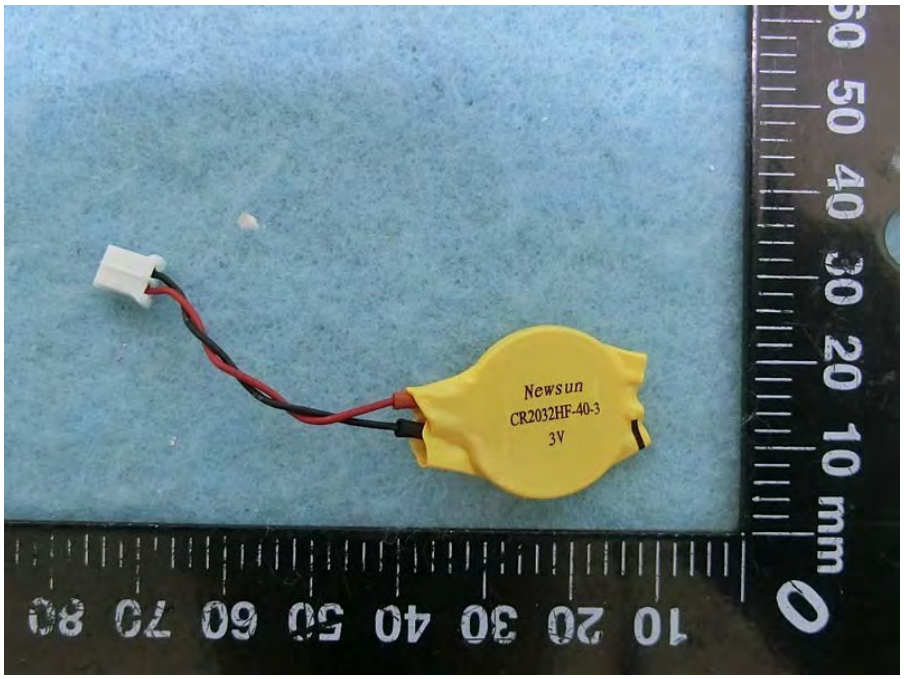

Buddy Y2-043

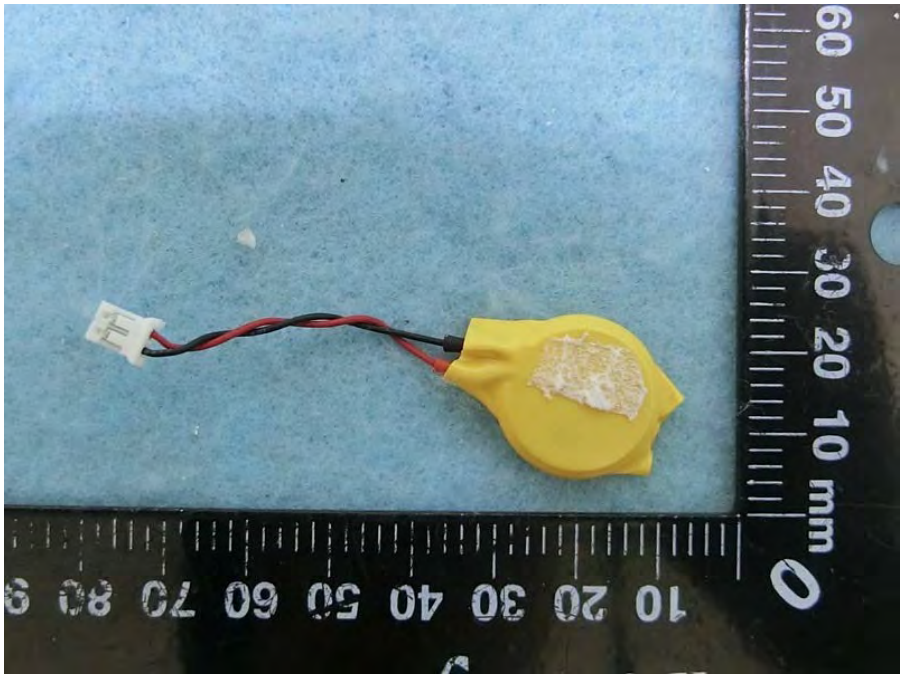


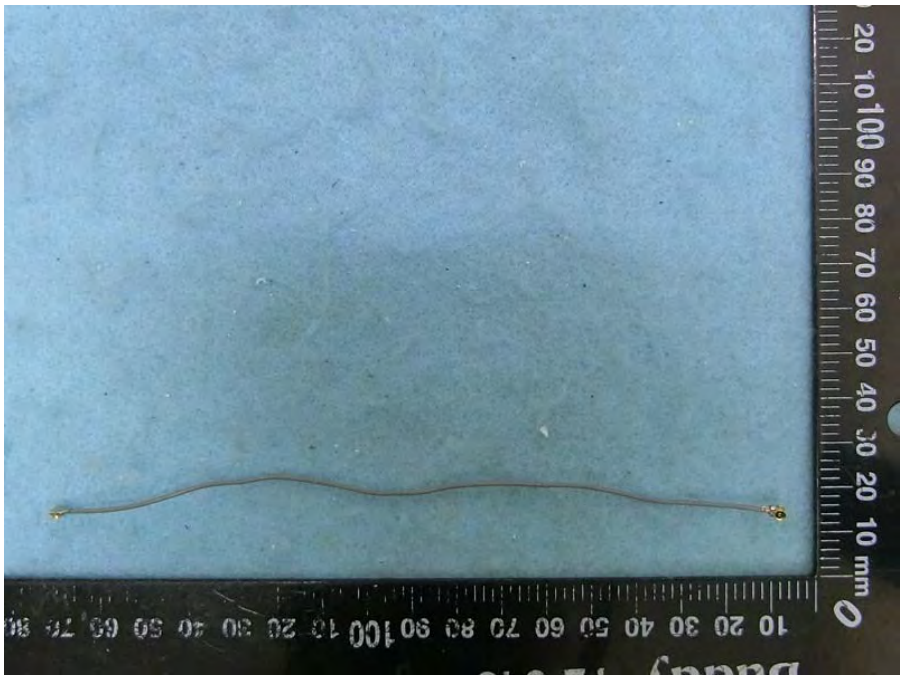



Buddy V2-013

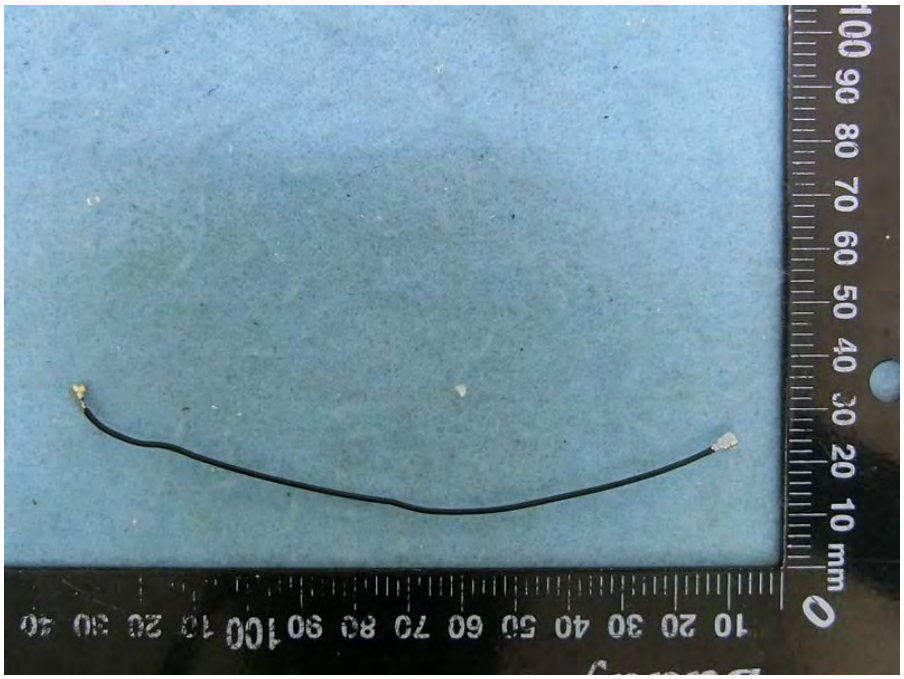

50 40 30 20 10 mm 0
10 20 30 40 50 60 70


Newsun
CR2032HF-40-3
3V

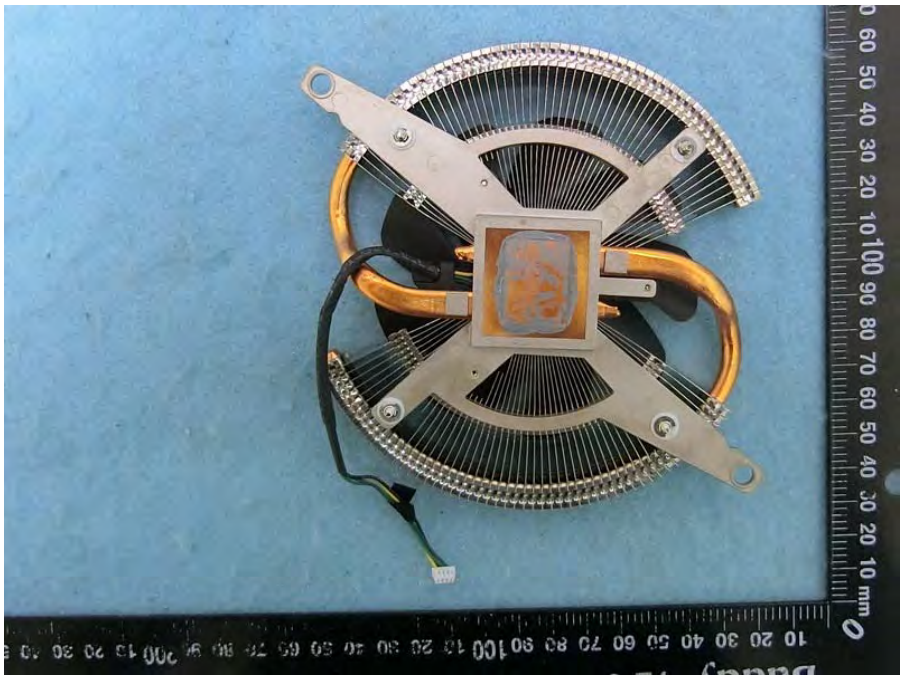


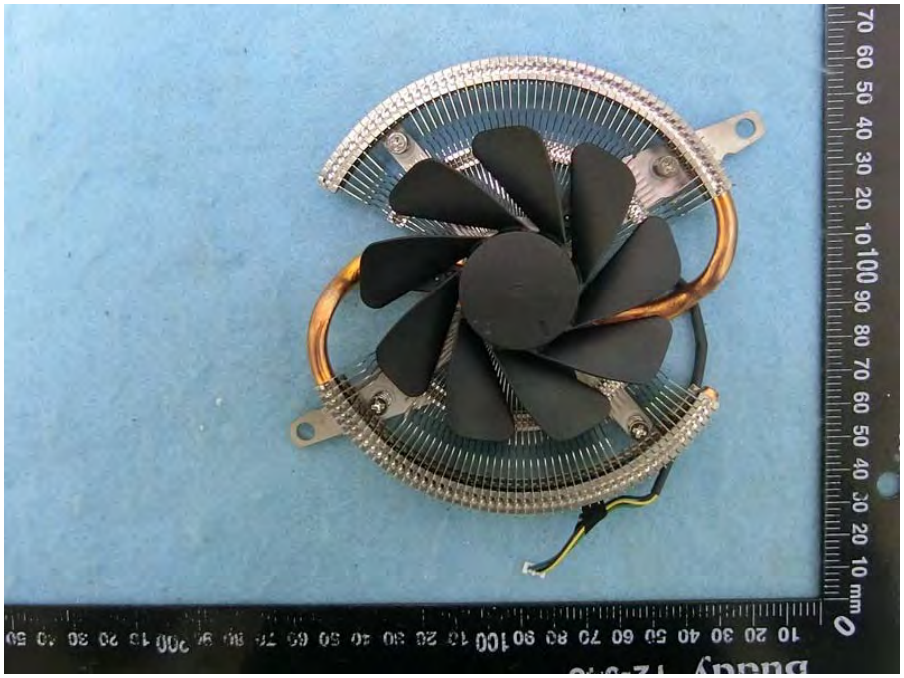


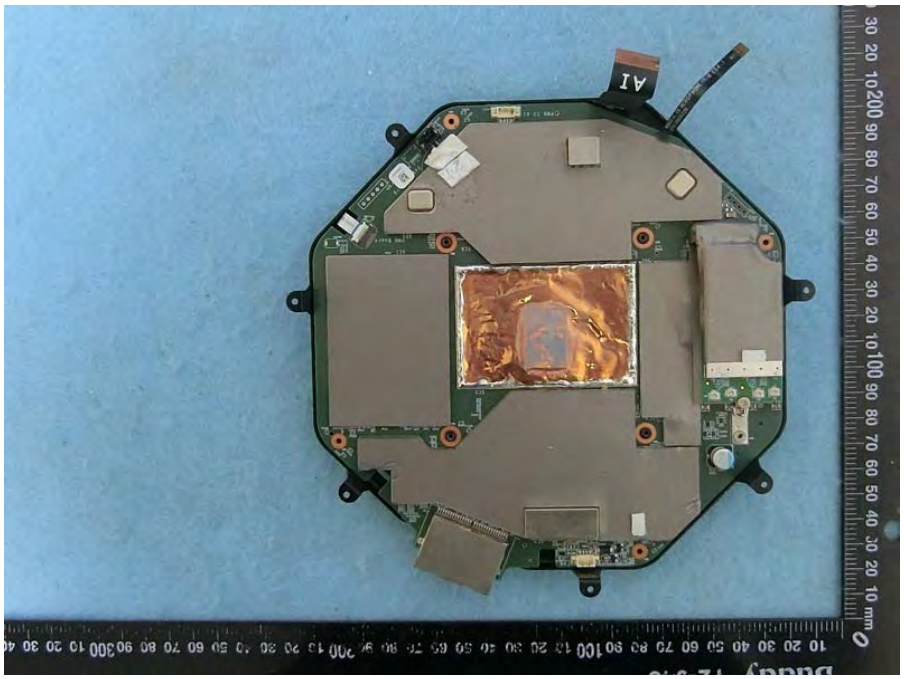


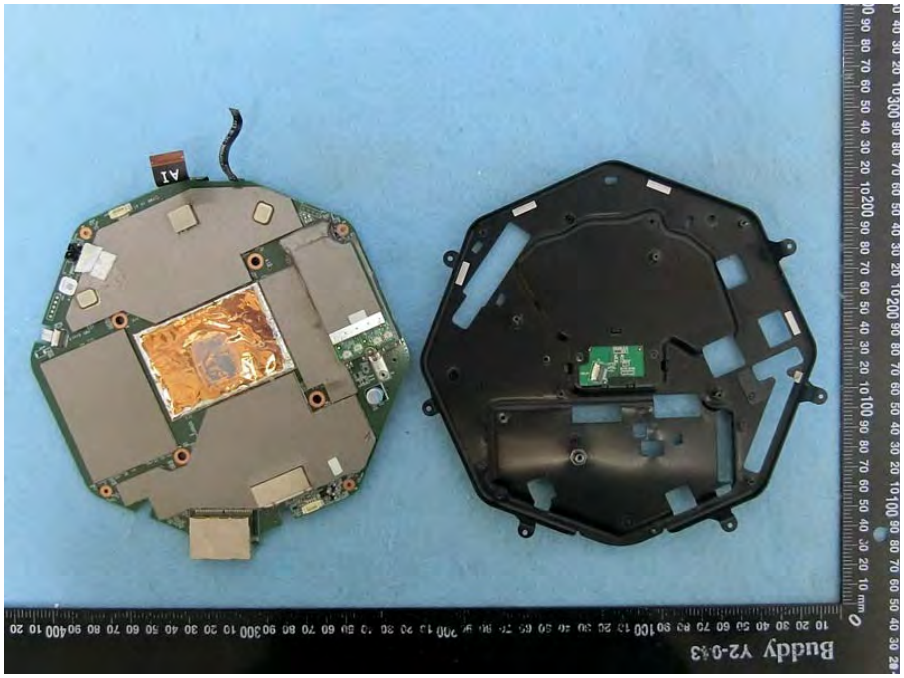

100 90 80 70 60 50 40 30 20 10 mm 0
10 20 30 40 50 60 70 80 90 100

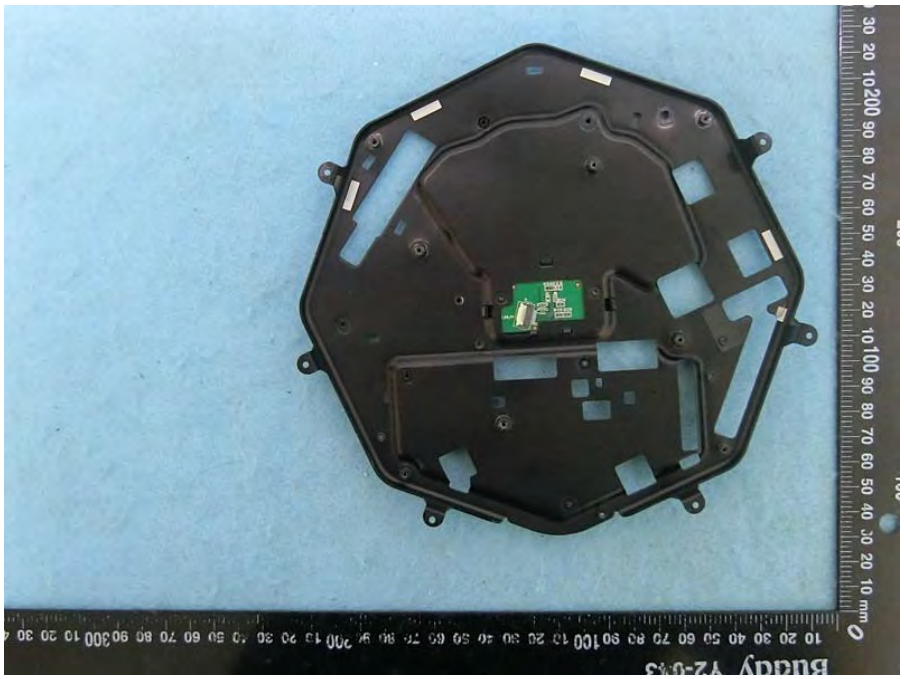






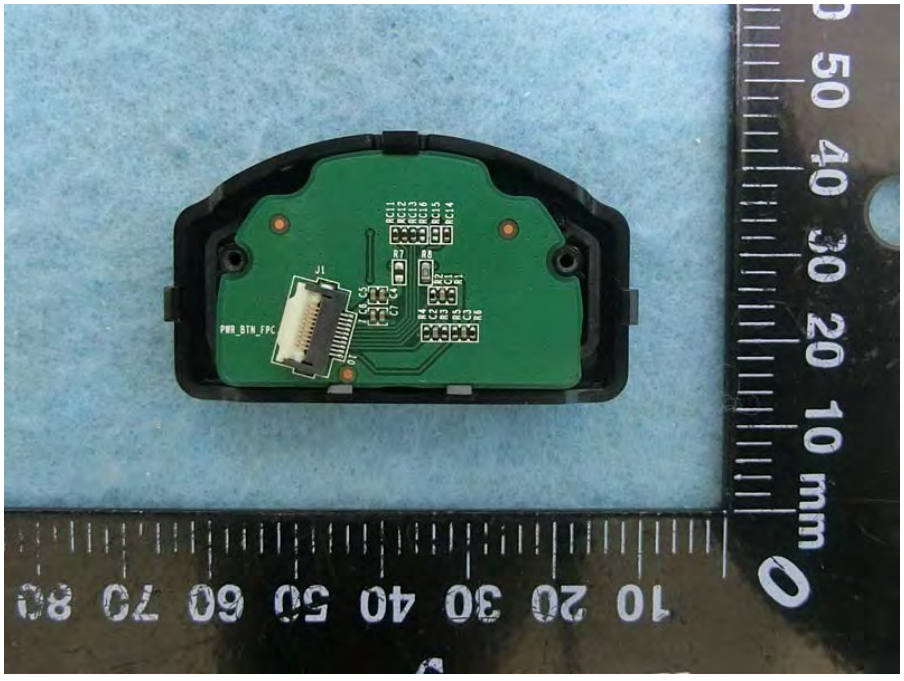


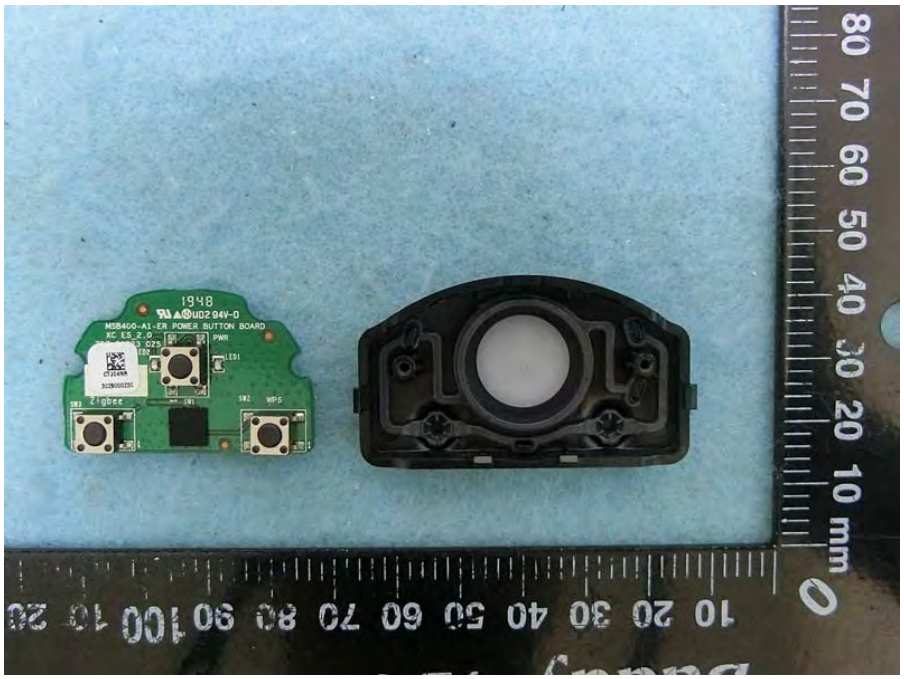


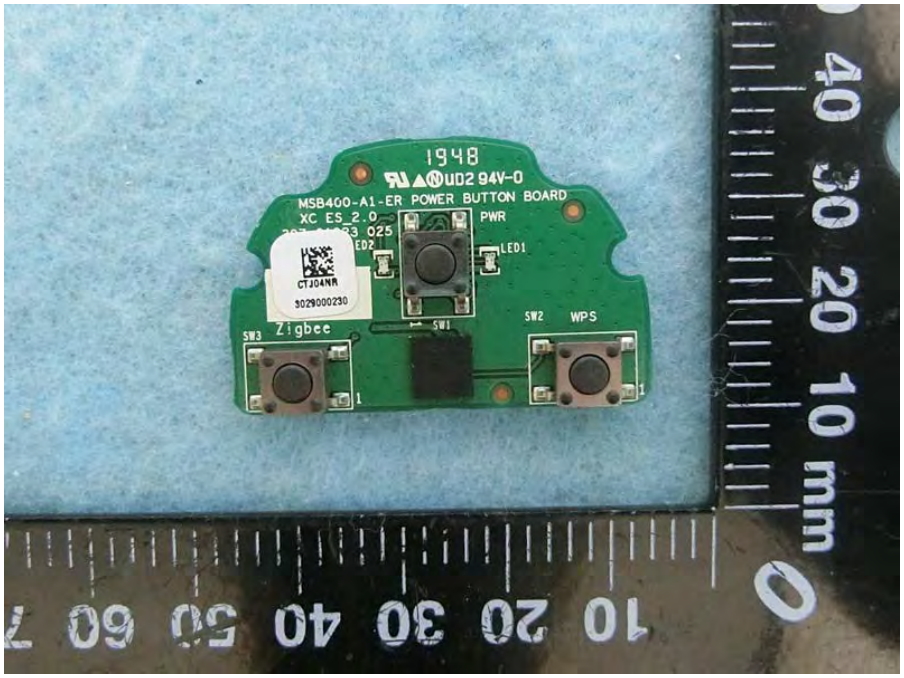


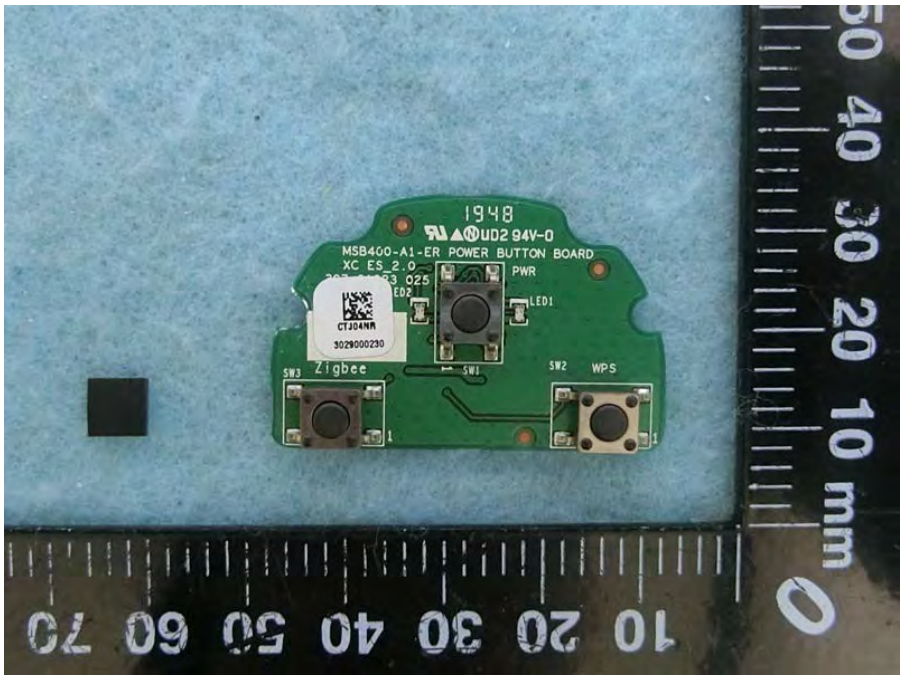

Engineering Sample

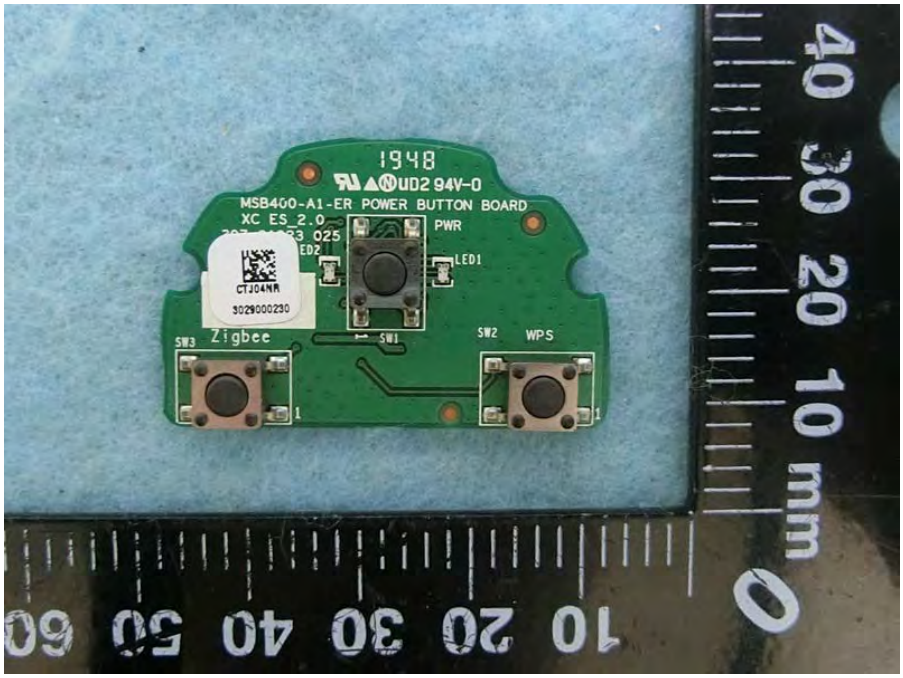

Engineering Sample

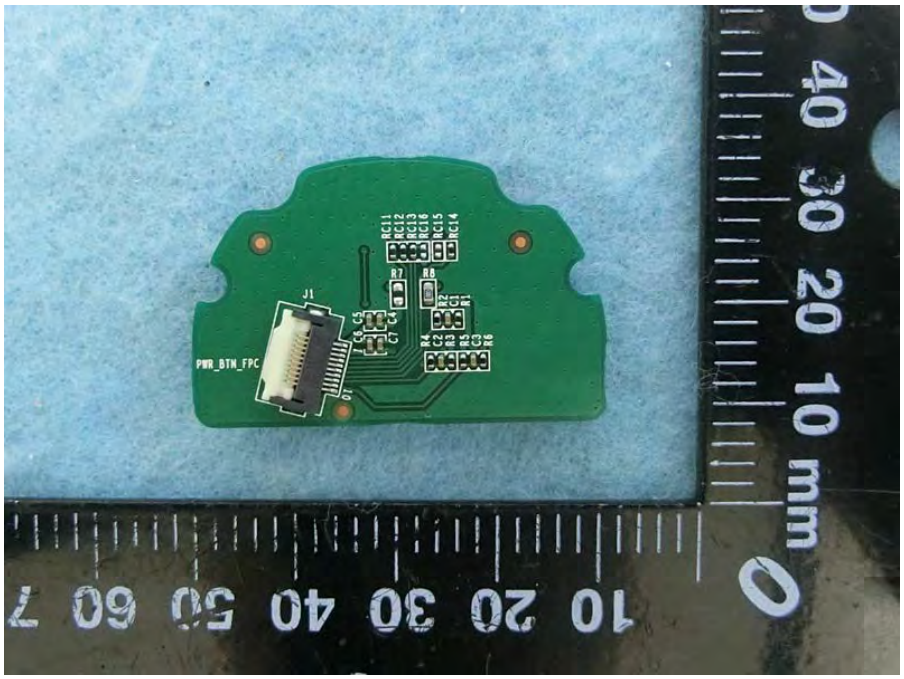

PWR_BTN_FPC
J1

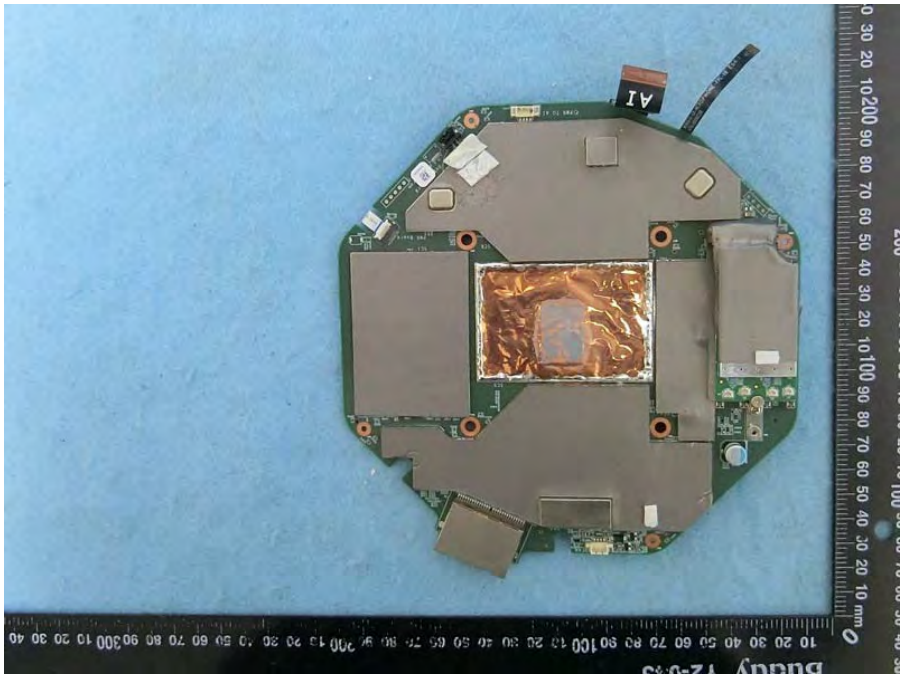

1948
MSB400-A1-ER POWER BUTTON BOARD
XC ES 2.0
PWR
LED1
SW2
WPS
Zigbee
SW1
SW3


1948
MSB400-A1-ER POWER BUTTON BOARD
XC ES 2.0
PWR
LED1
CTJ04NR
3029000230
SW2
WPS
Zigbee
SW1
SW3

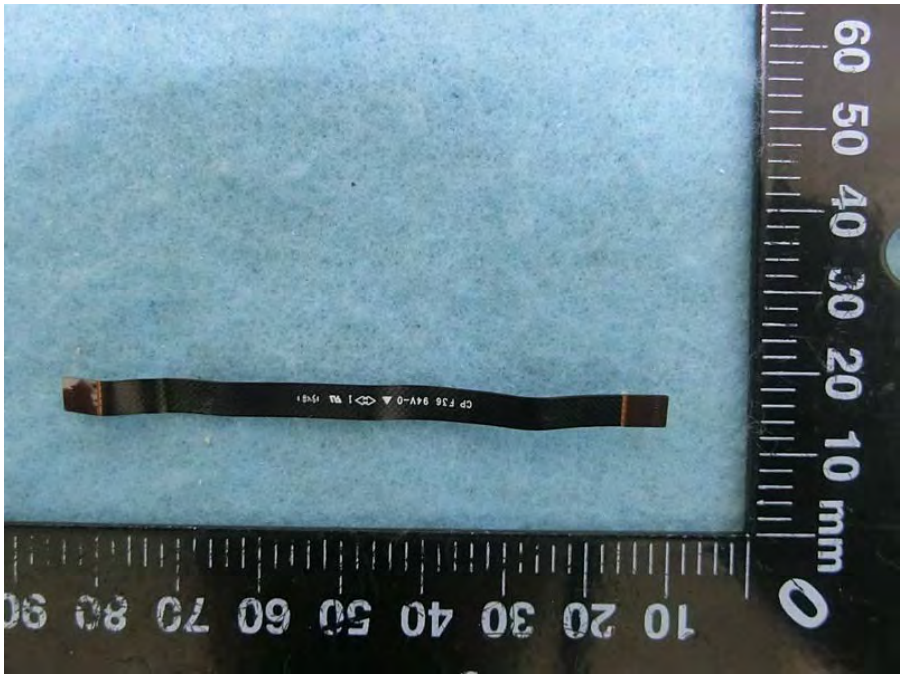

1948
MSB400-A1-ER POWER BUTTON BOARD
PWR
LED1
Zigbee
SW1
SW2
WPS
SW3

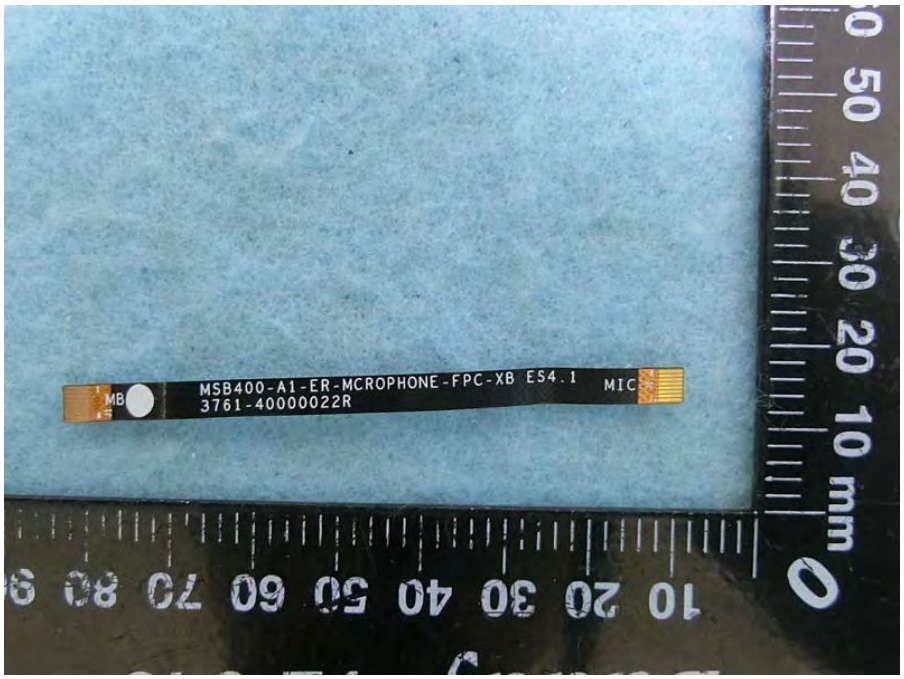

1948
MSB400-A1-ER POWER BUTTON BOARD
PWR
LED1
Zigbee
SW1
SW2
WPS
SW3

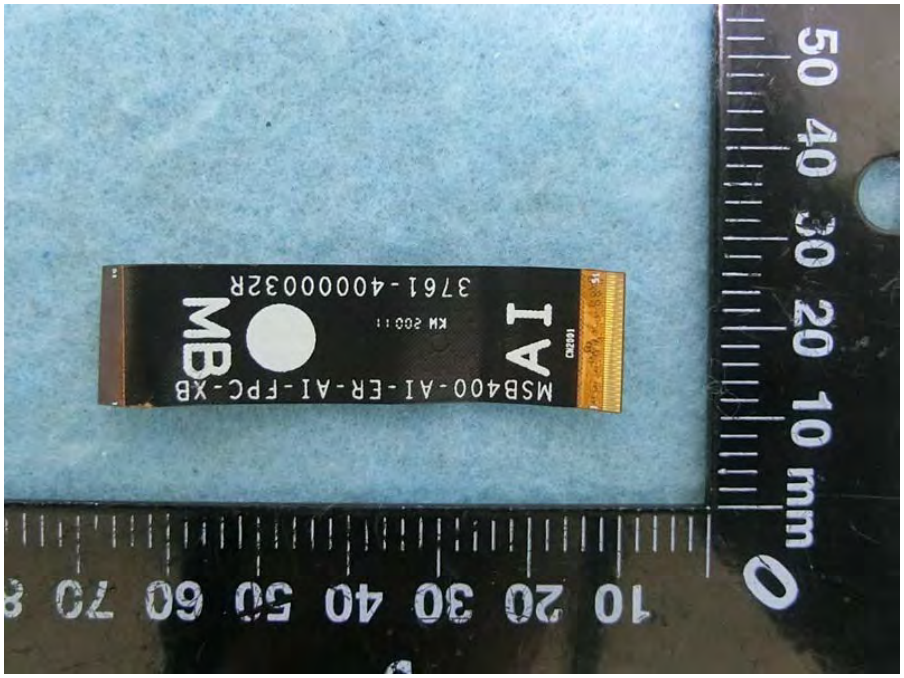

PWR_BTN_FPC
J1
10 20 30 40 50 60 7
40 30 20 10 mm 0

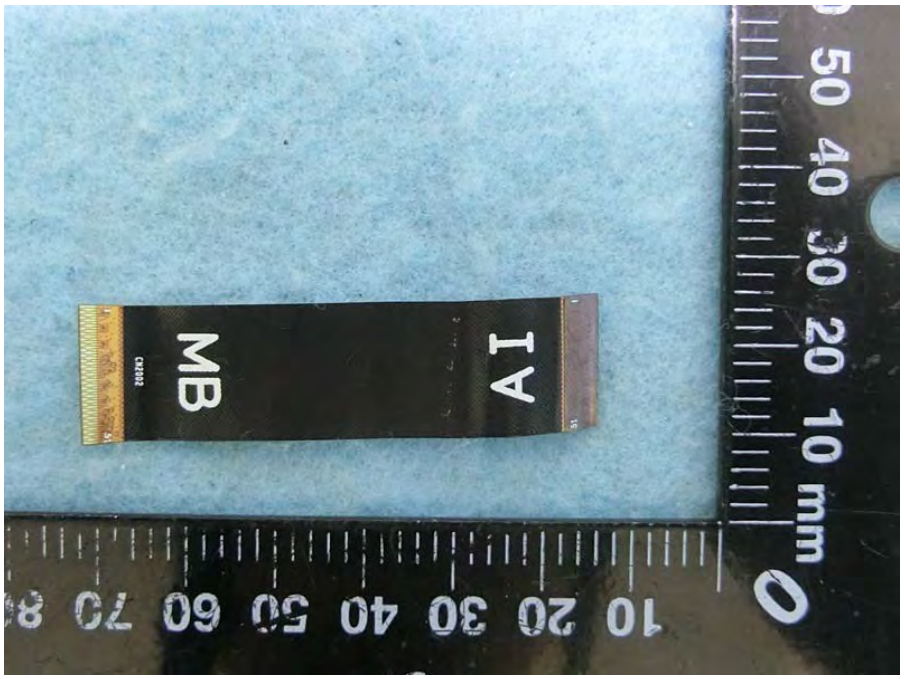

A1

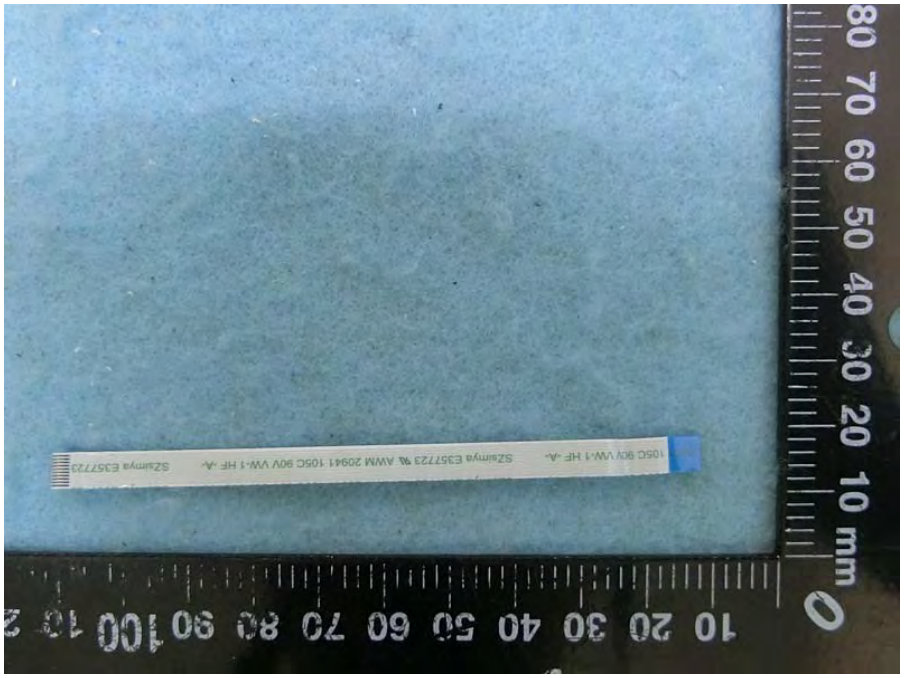


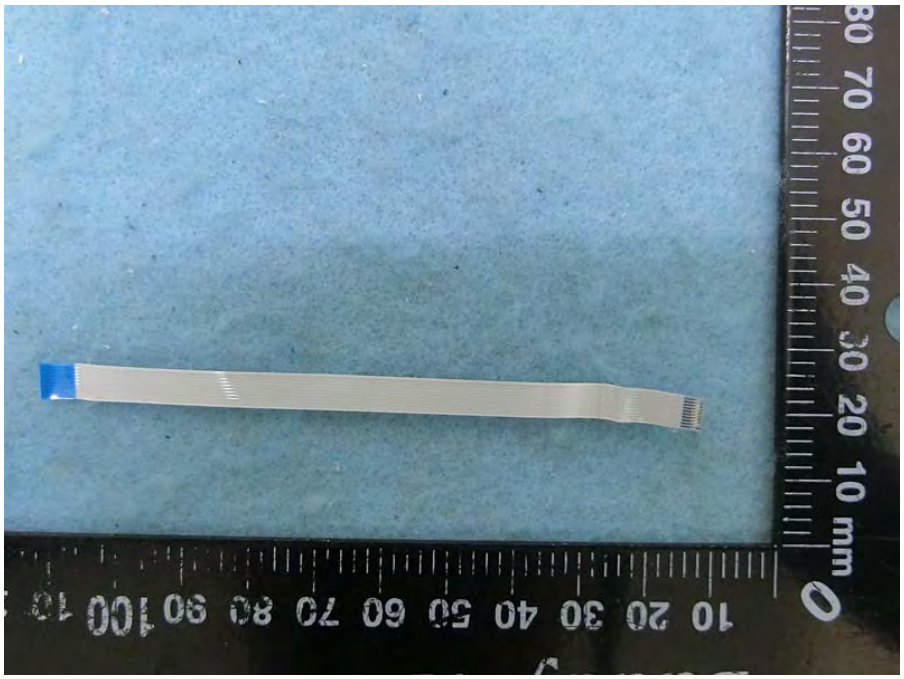


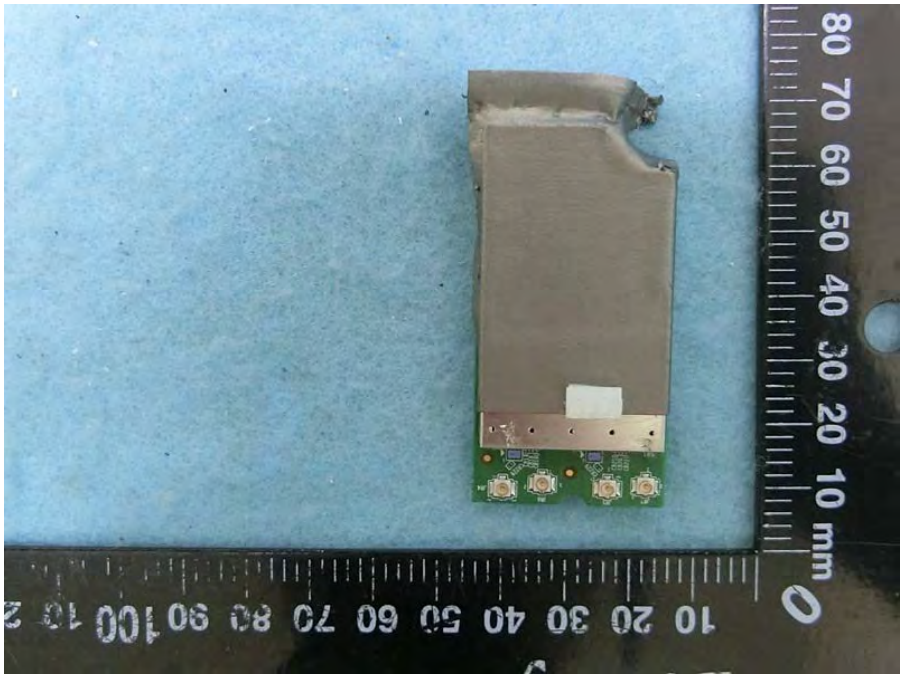

MB
MSB400-A1-ER-MCROPHONE-FPC-XB ES4.1
3761-40000022R
MIC

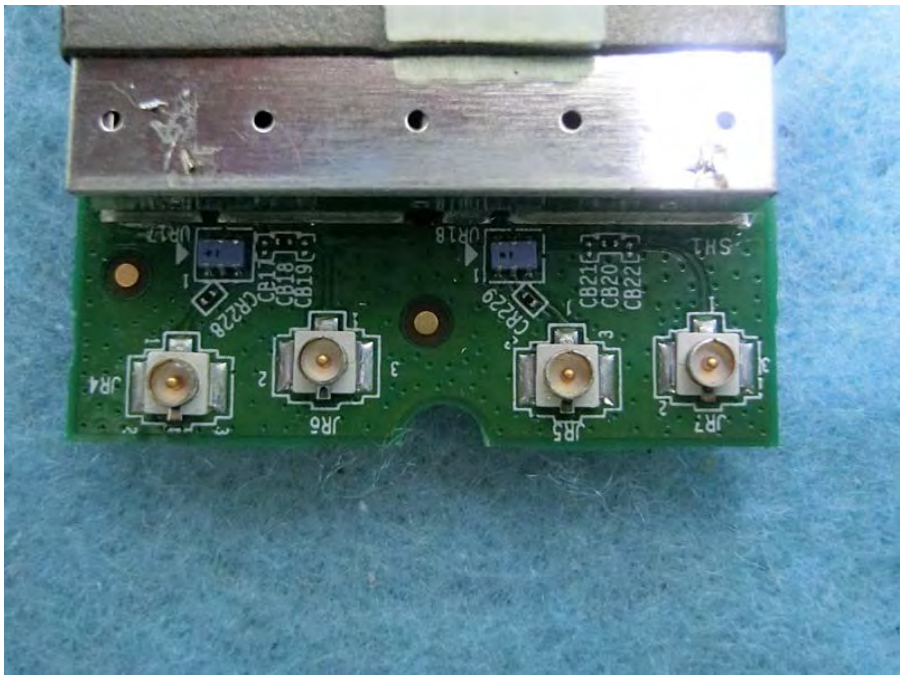

3761-40000032R
MSB400-AI-ER-AI-FPC-XB
MB
AI

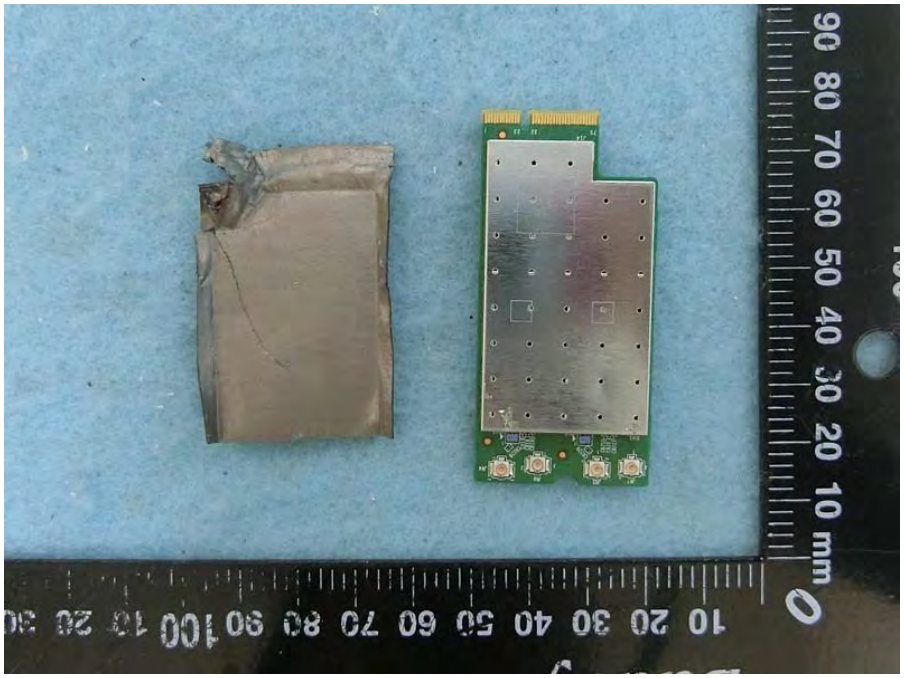

MB
A1

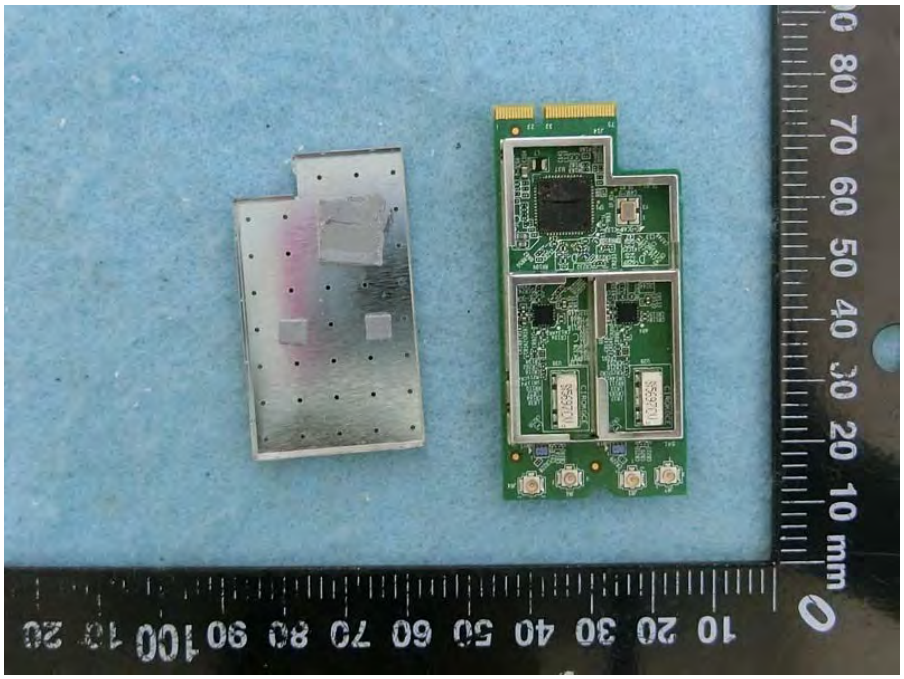


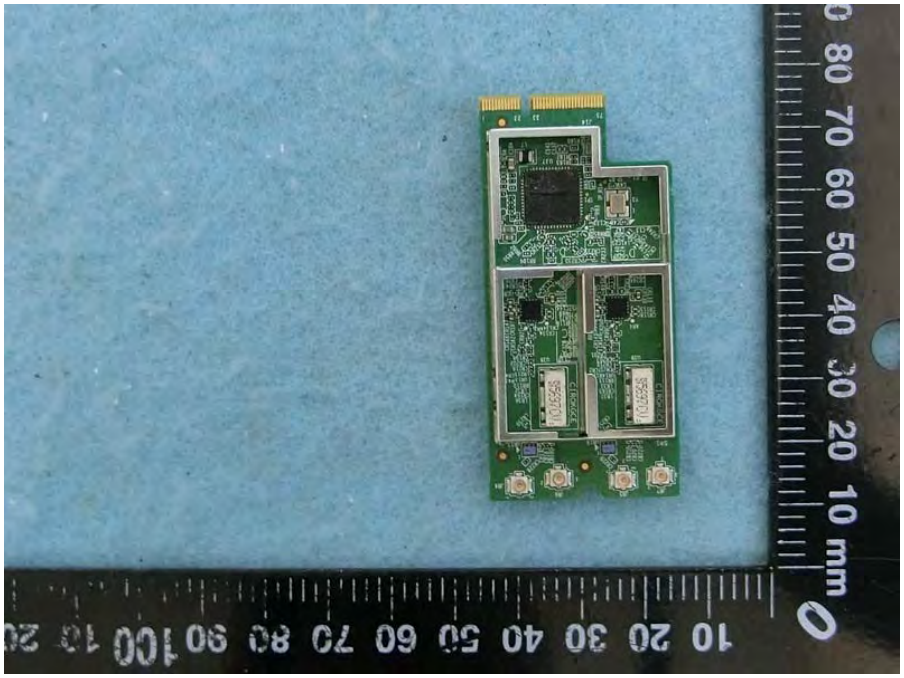


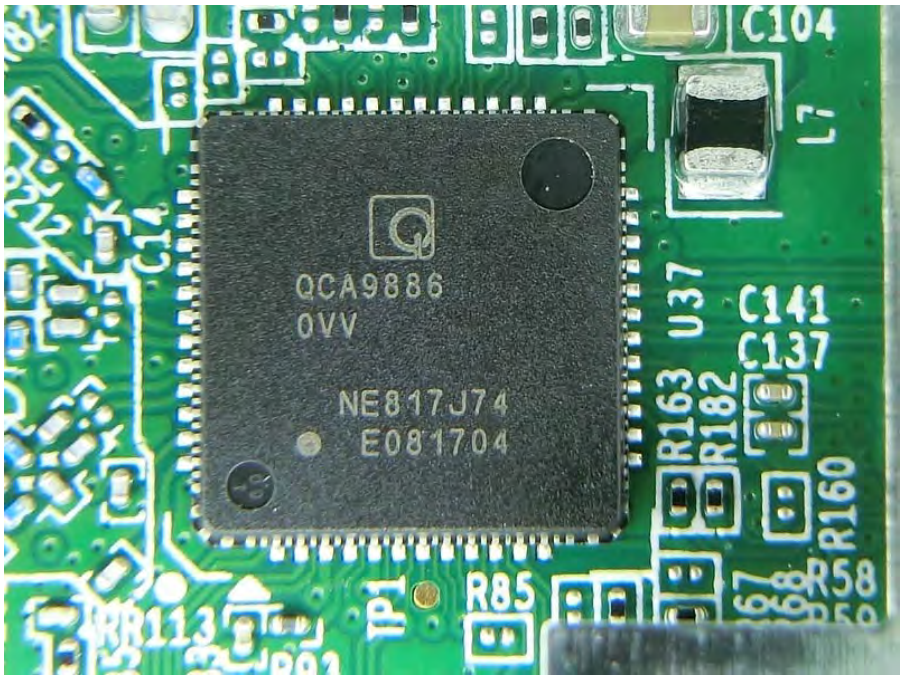


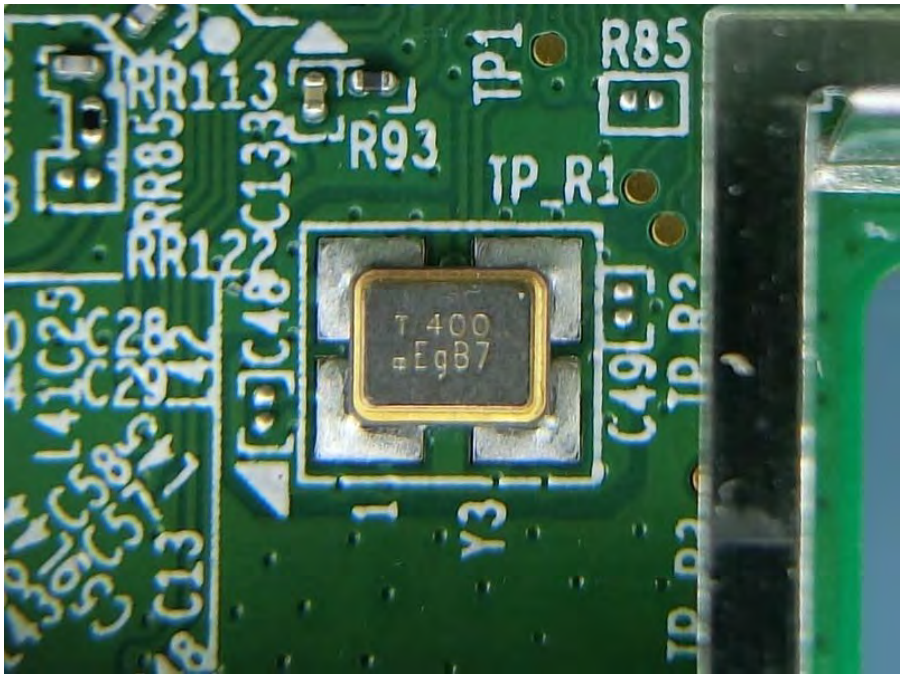

JR4
JR6
JR5
JR7

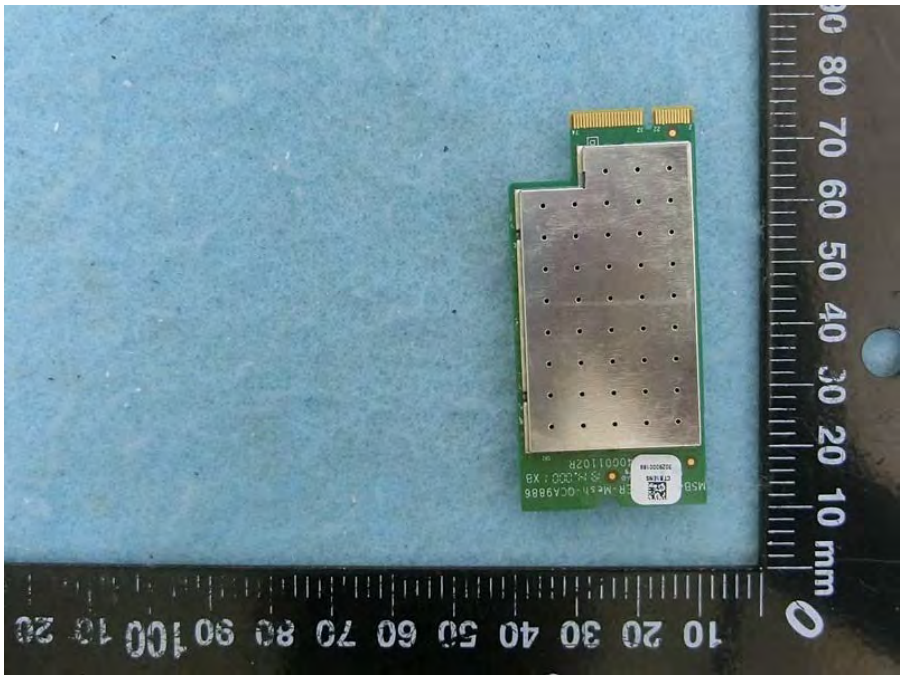

90 80 70 60 50 40 30 20 10 mm
10 20 30 40 50 60 70 80 90 100

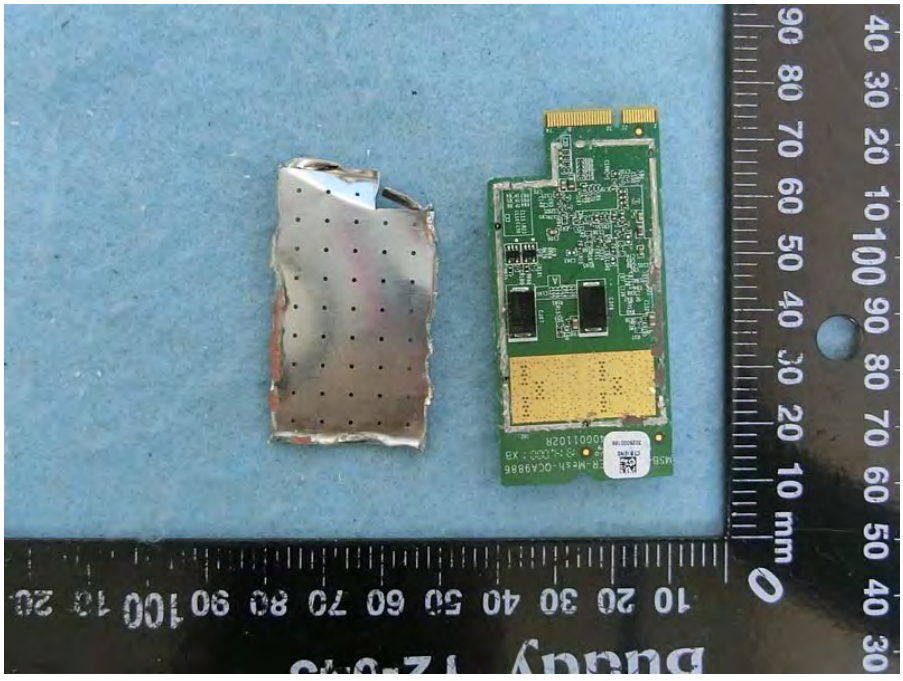


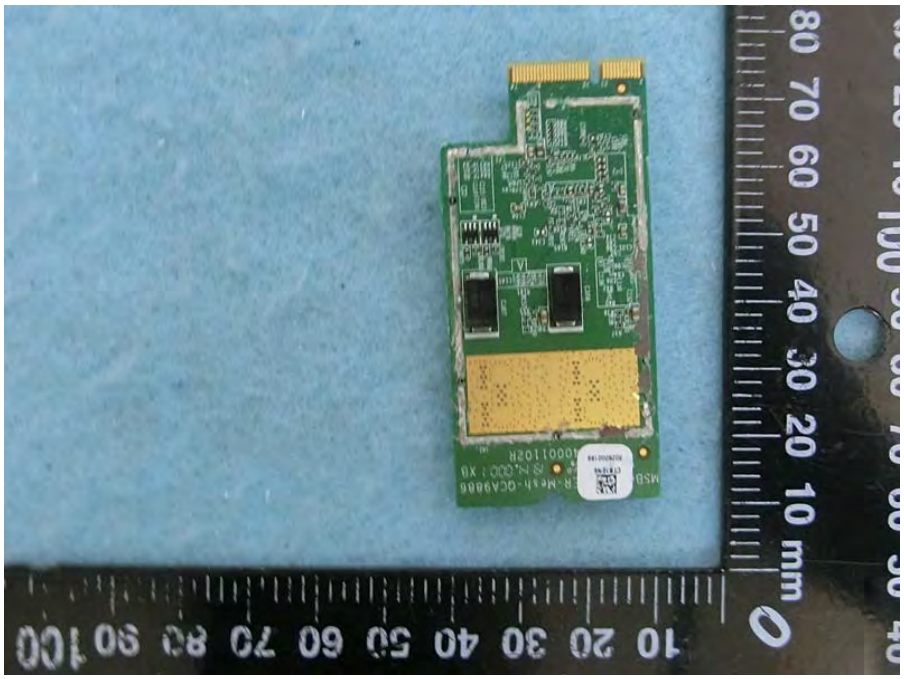


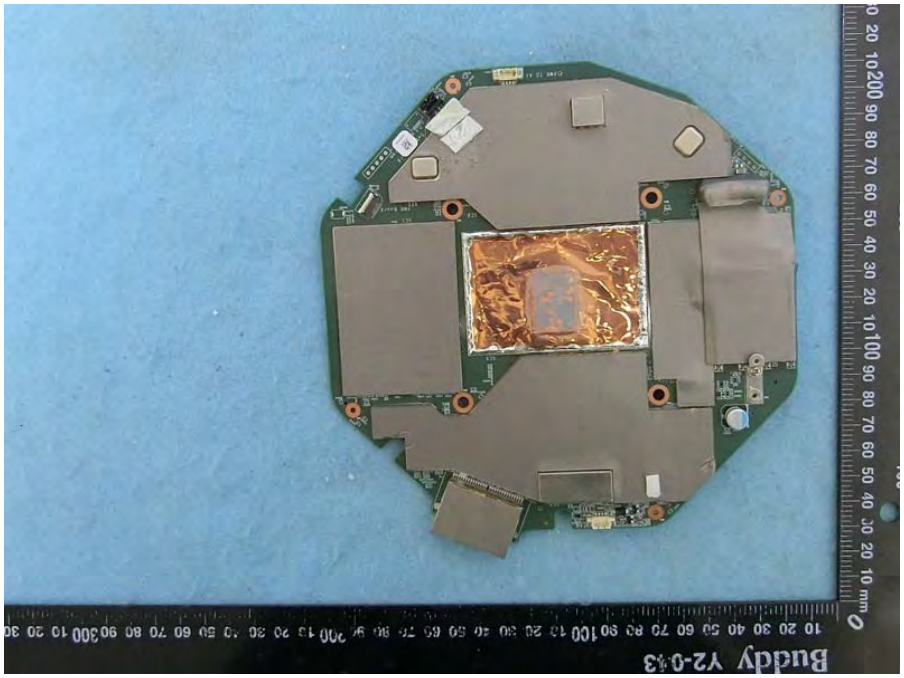

C104
L7
C14
QCA9886
0VV
NE817J74
E081704
U37
C141
C137
R163
R182
R160
R58
IP1
R85
RR113


IP1
R85
RR113
R93
IP_R1
RR85
C133
RR122
C48
C28
C49
Y3
C13

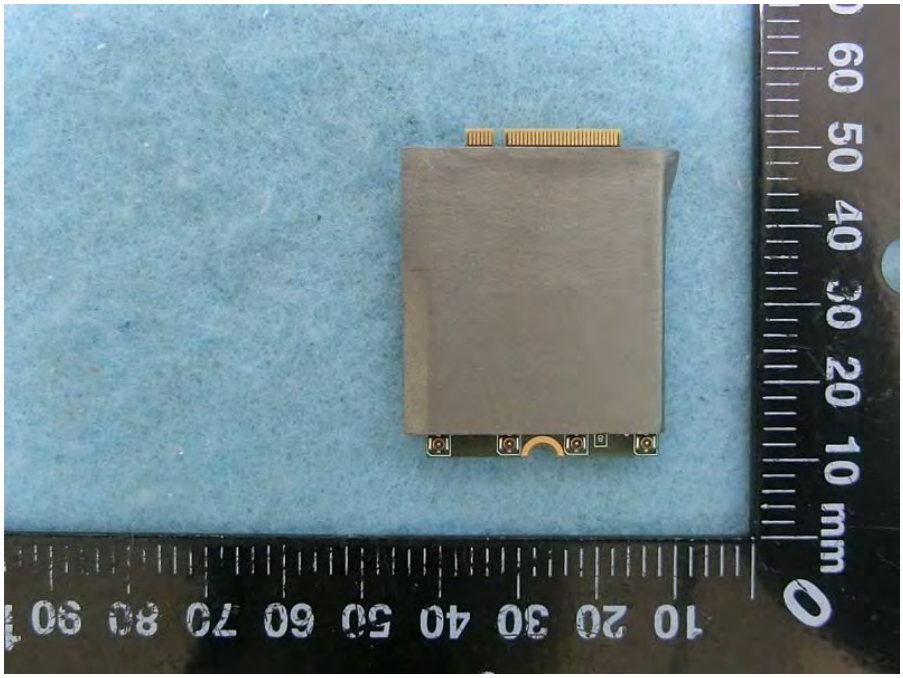


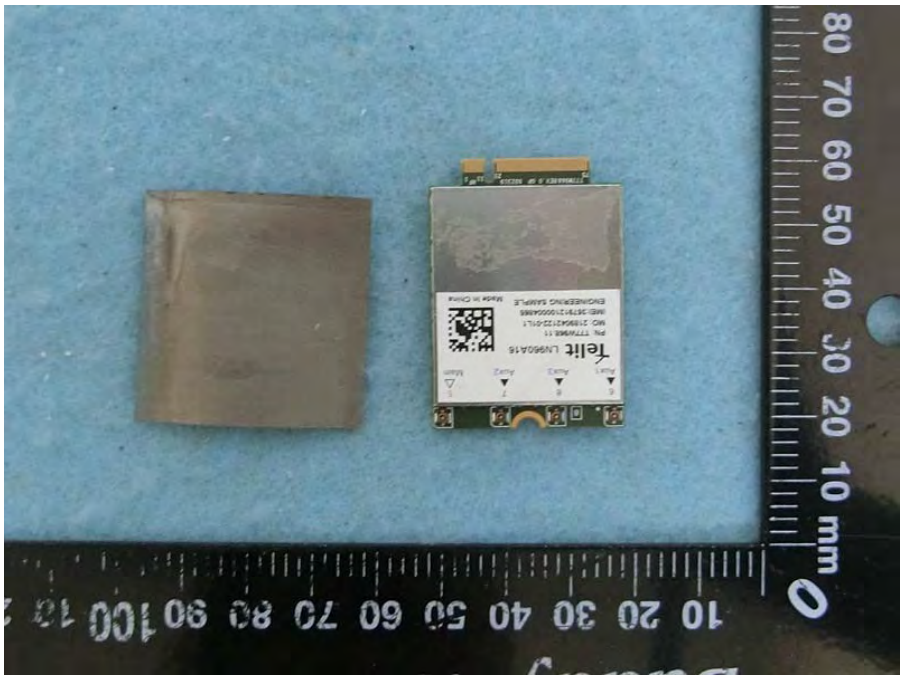


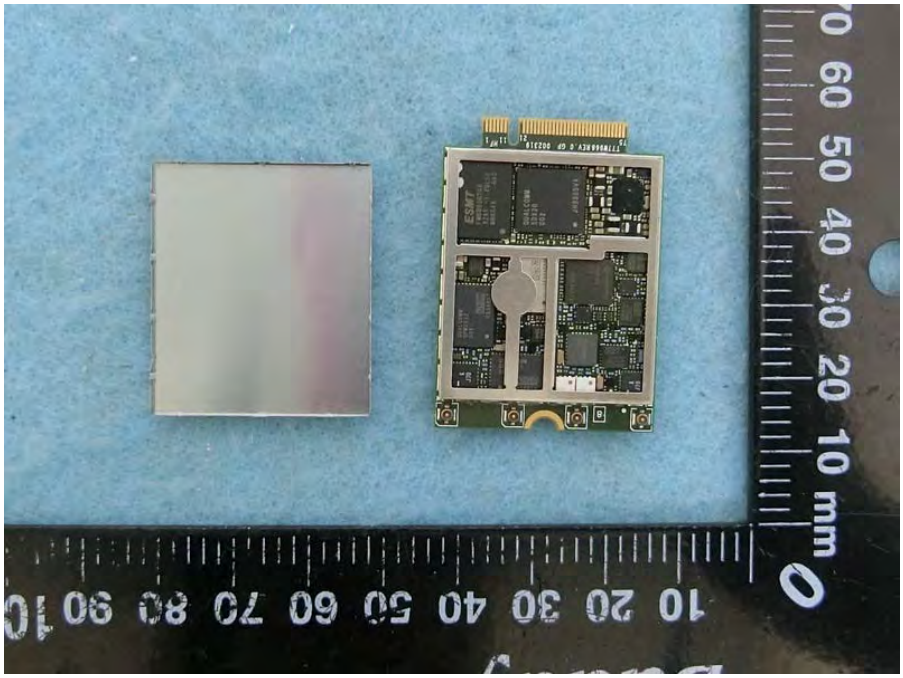


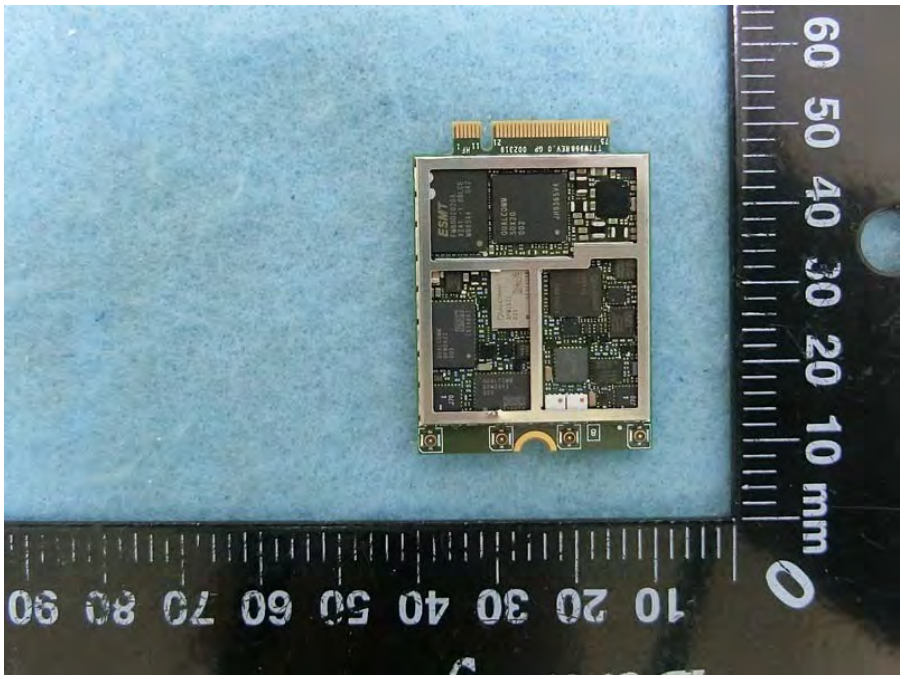


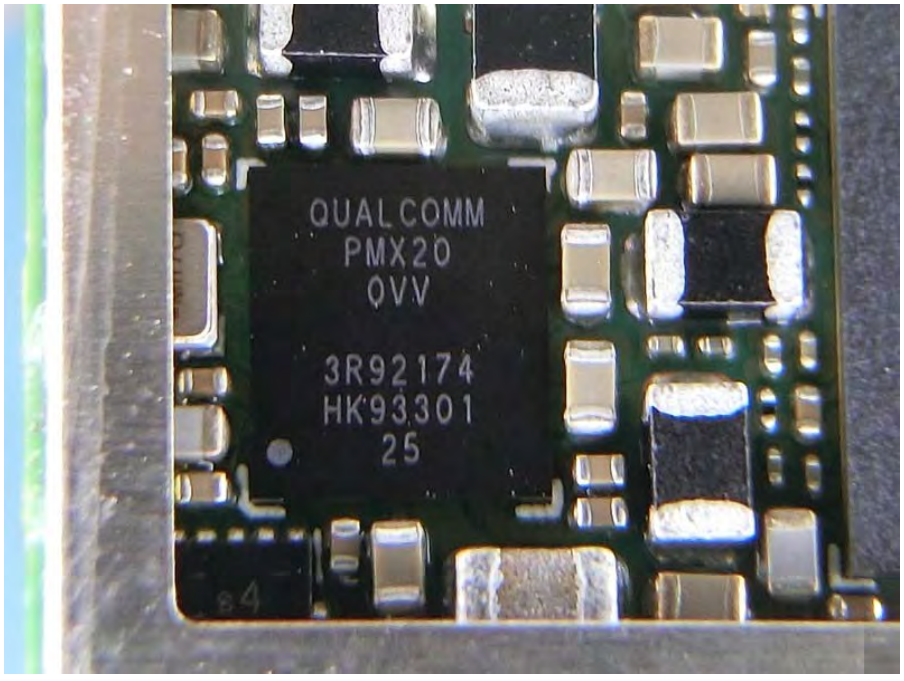


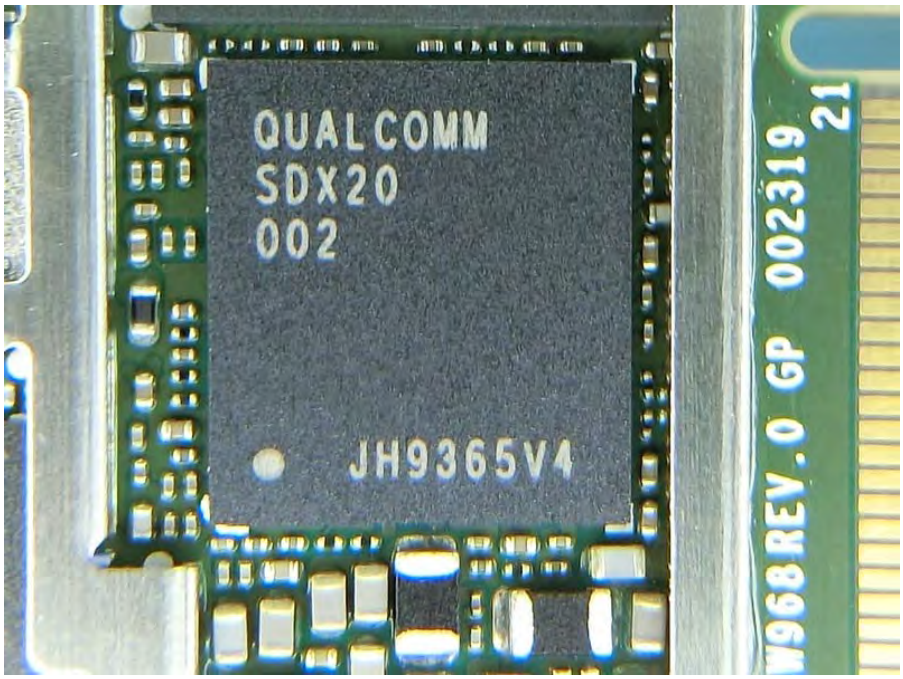




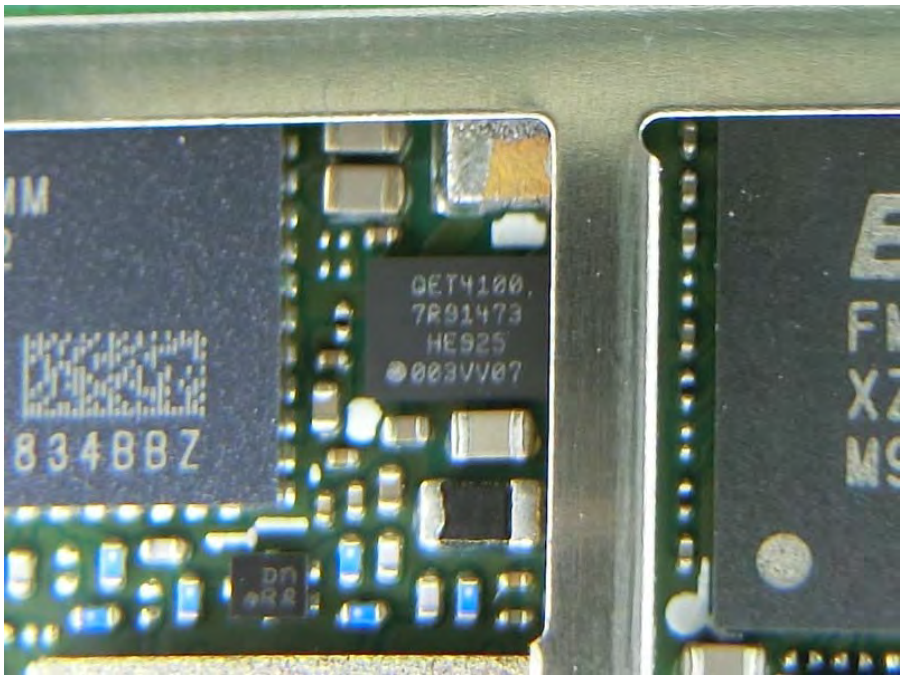


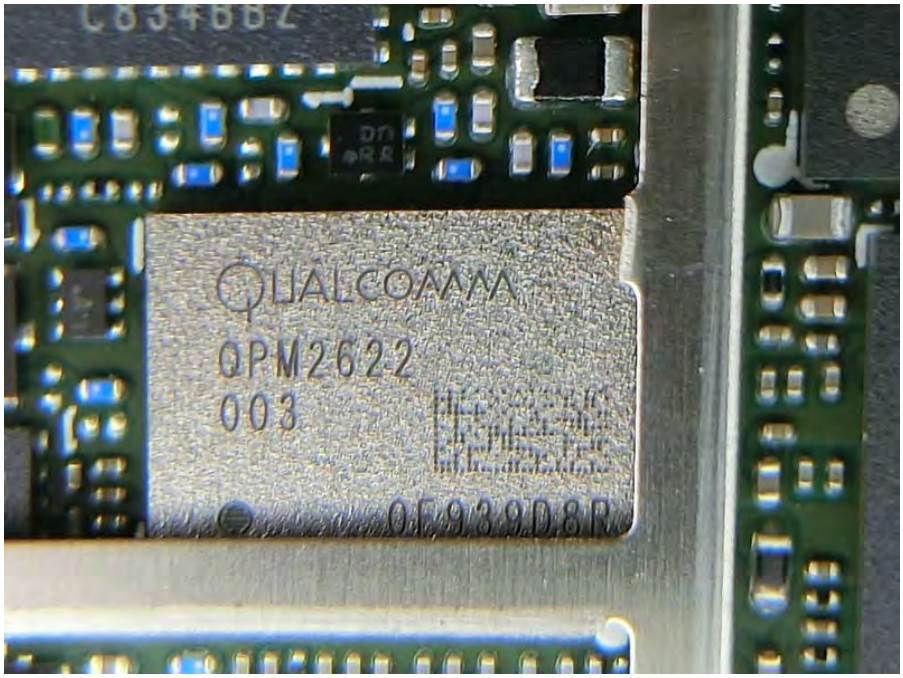

60 50 40 30 20 10 mm 0
10 20 30 40 50 60 70 80 90

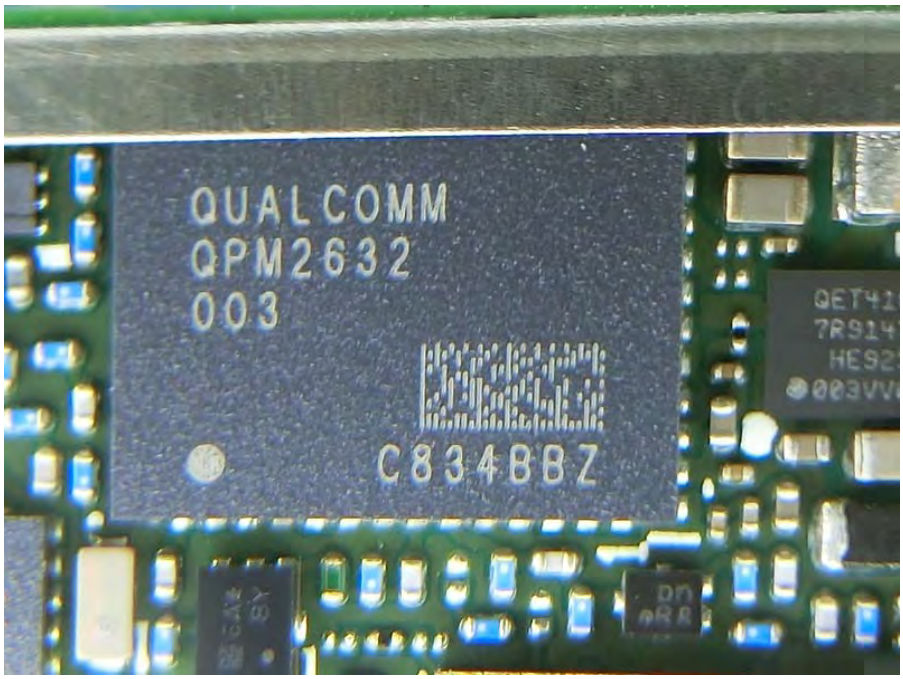

QUALCOMM
PMX20
QVV
3R92174
HK93301
25

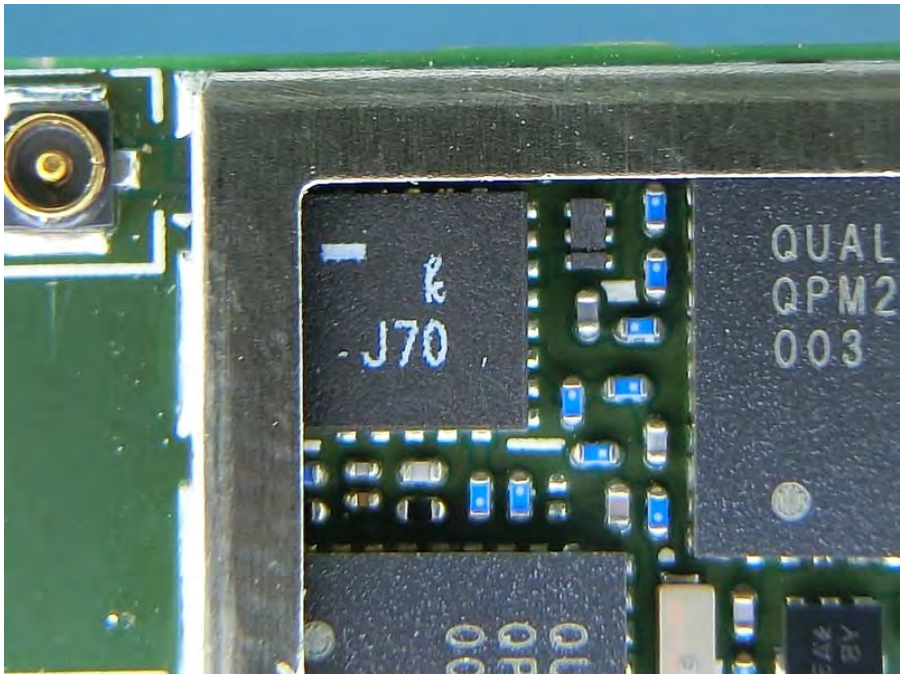

QUALCOMM
SDX20
002
JH9365V4
W968REV.0 GP 002319
21

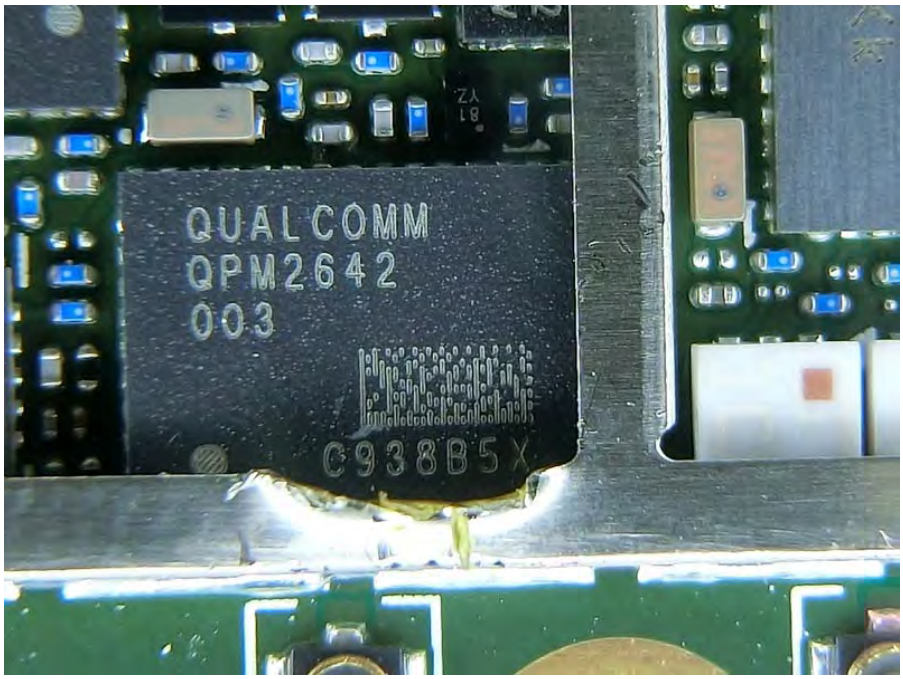

ESMT
FM6BD2G2GA
XZA1 -1.8BLCE
M90S4A 942
QUALCOMM
SDX20
11 HF 1
21

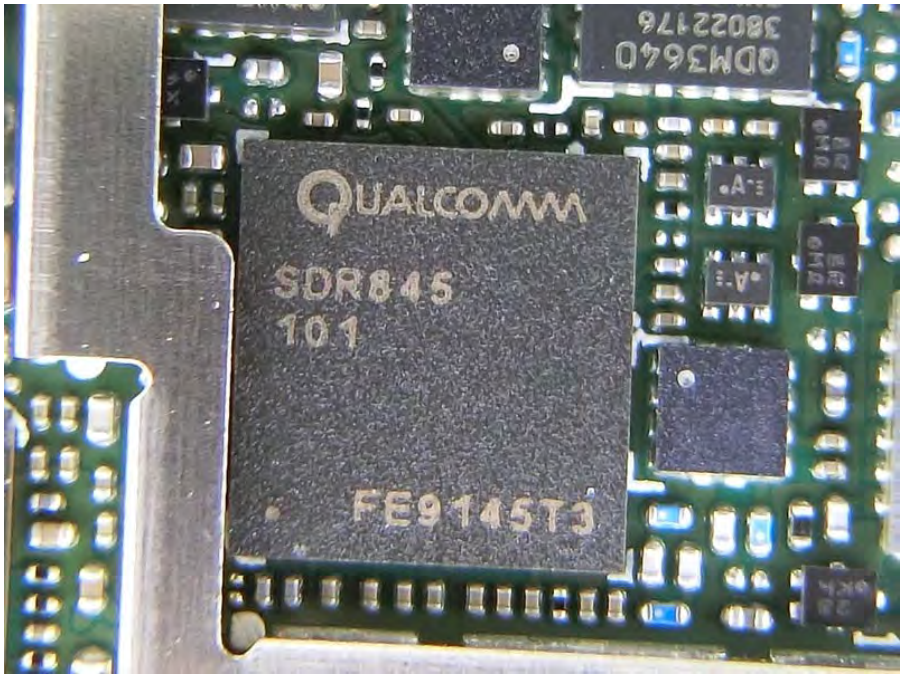

834BBZ

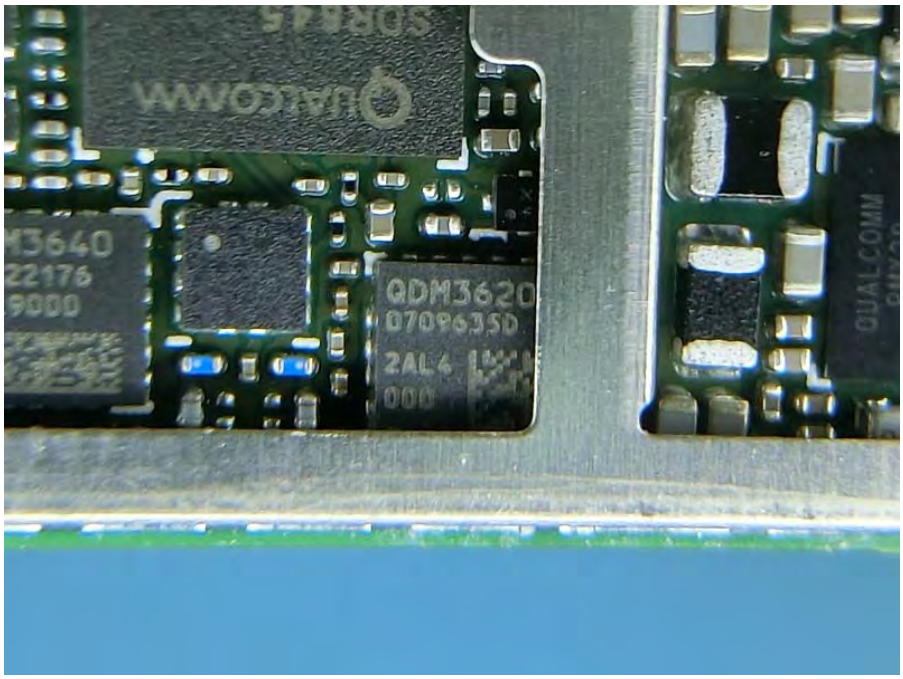

QUALCOMM
QPM2622
003

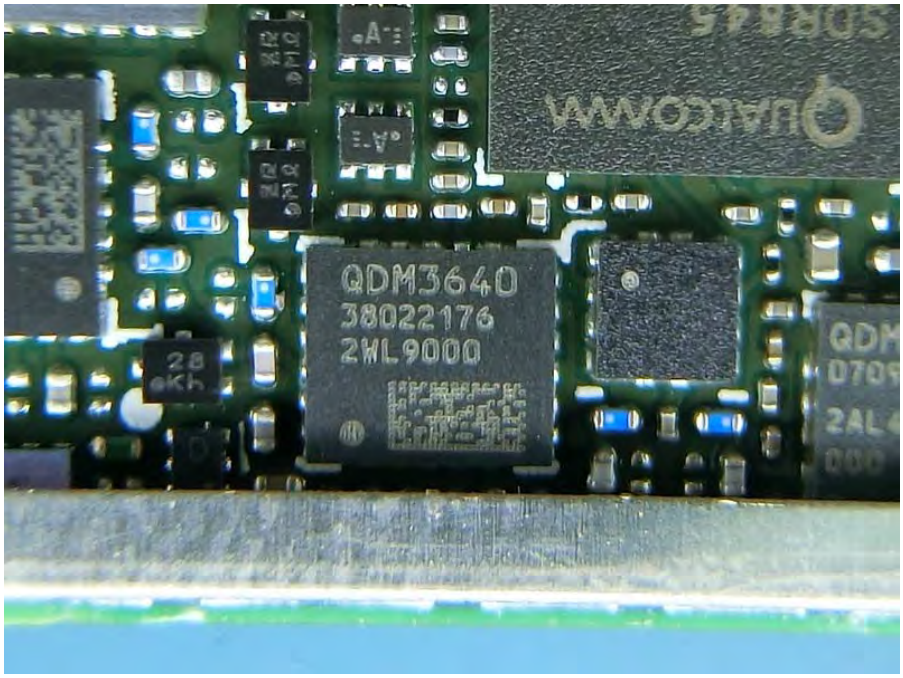

QUALCOMM
QPM2632
003
C834BBZ

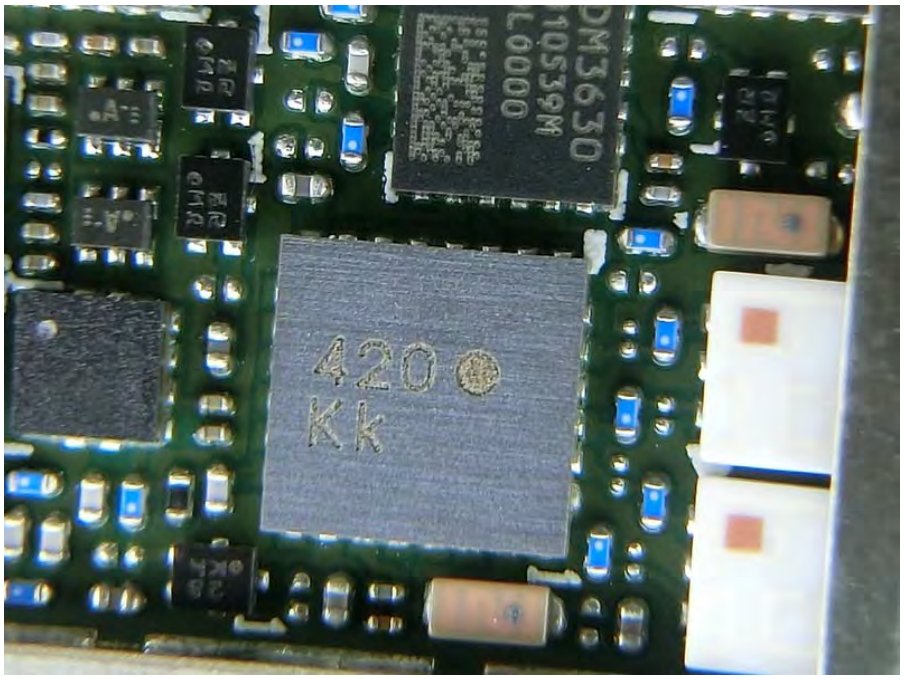

J70
QUAL
QPM2
003

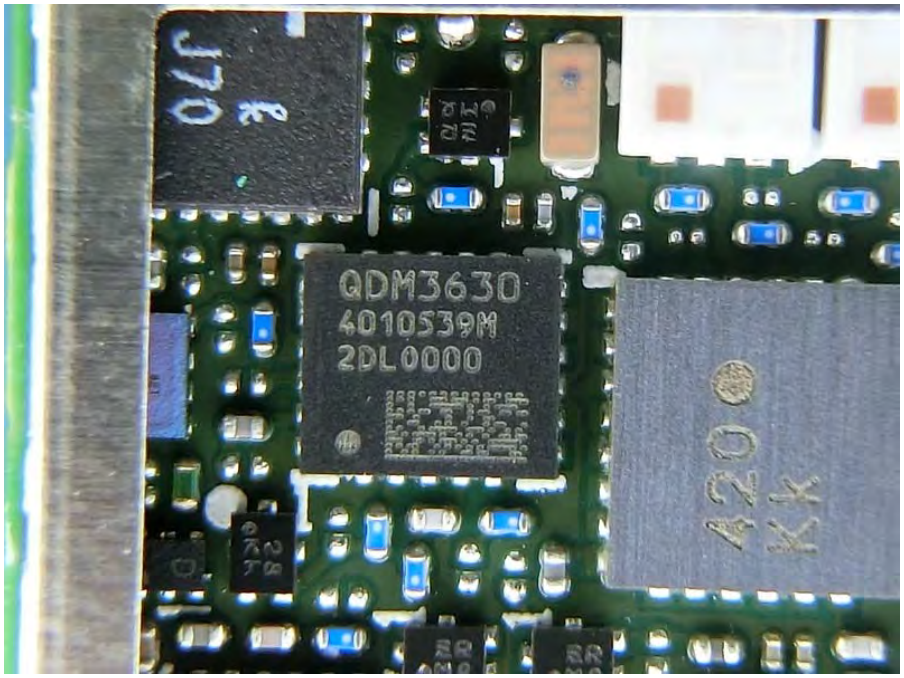

QUALCOMM
QPM2642
003
C938B5X

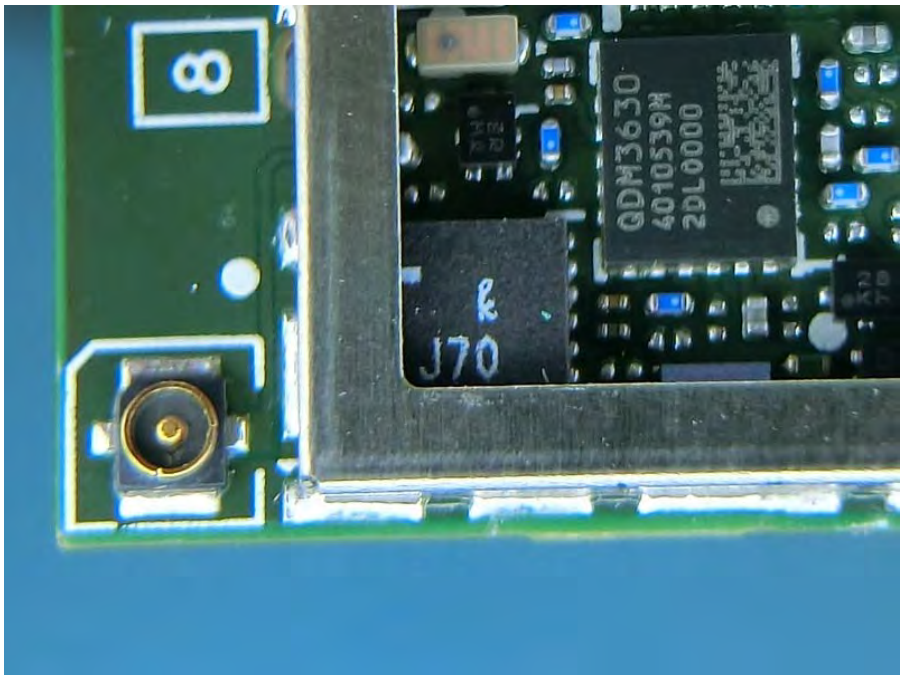

QUALCOMM
SDR845
101
FE9145T3

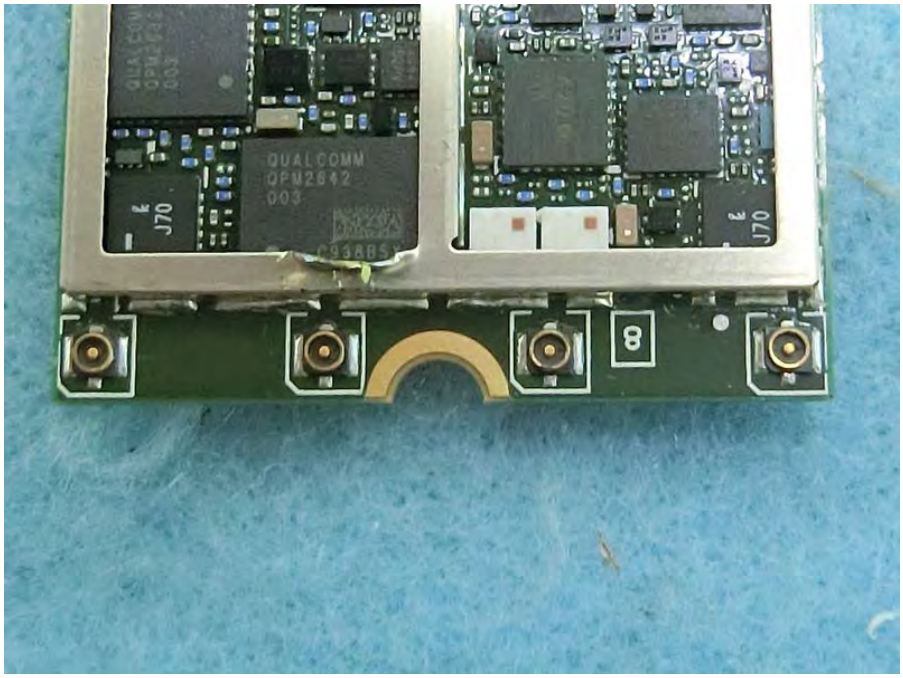

QUALCOMM
QDM3620
0709635D
2AL4
000
QUALCOMM

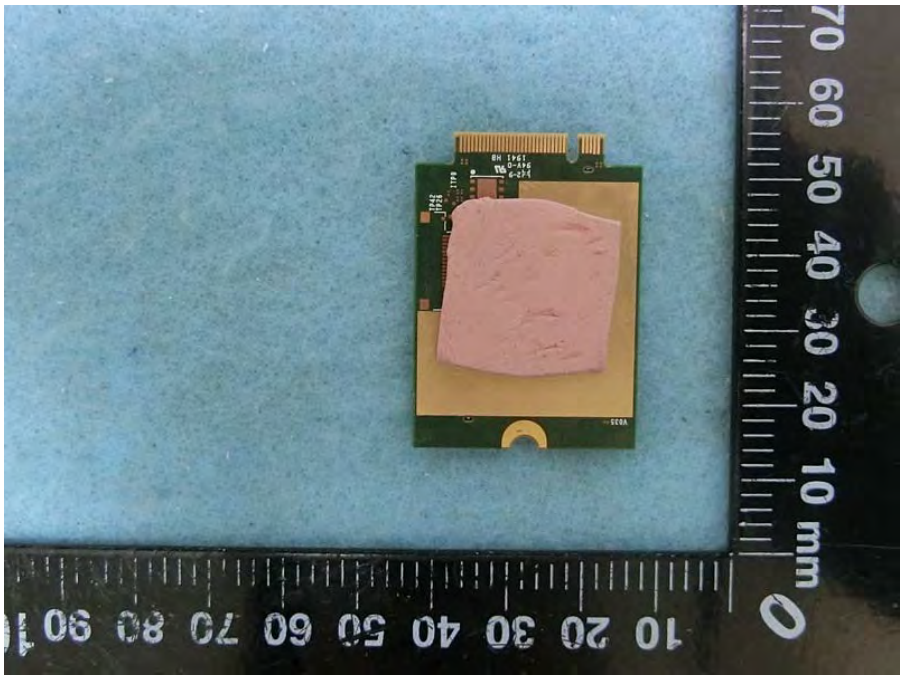

QUALCOMM
QDM3640
38022176
2WL9000
QUALCOMM

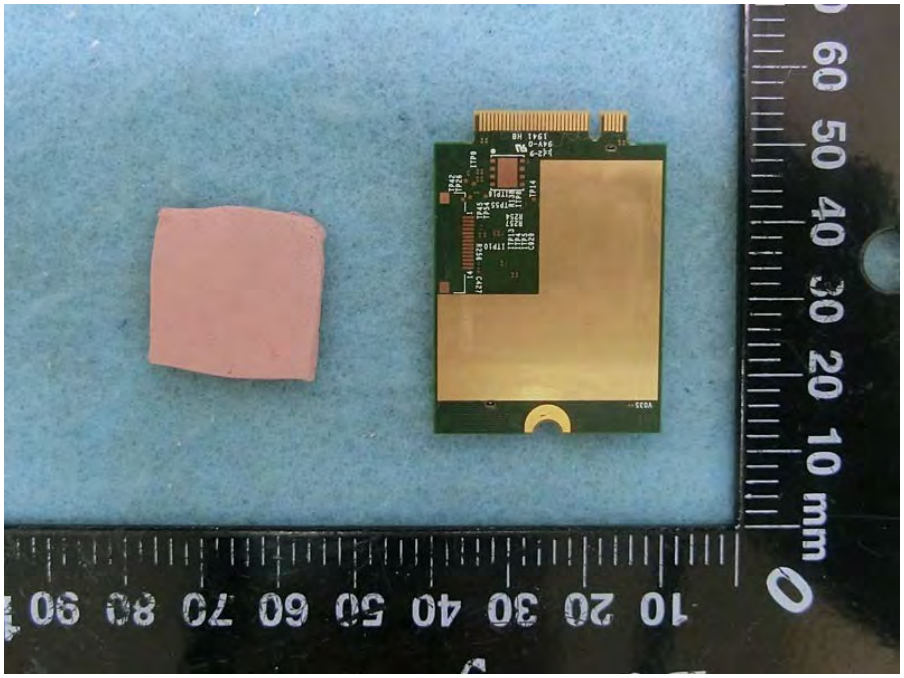

420
Kk

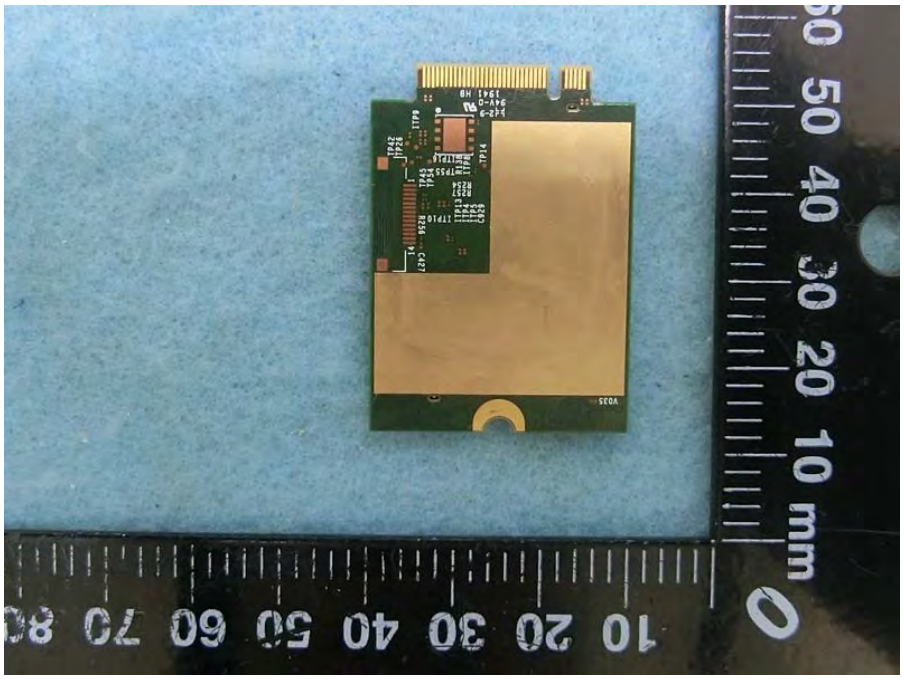

QDM3630
4010539M
2DL0000
420
Kk

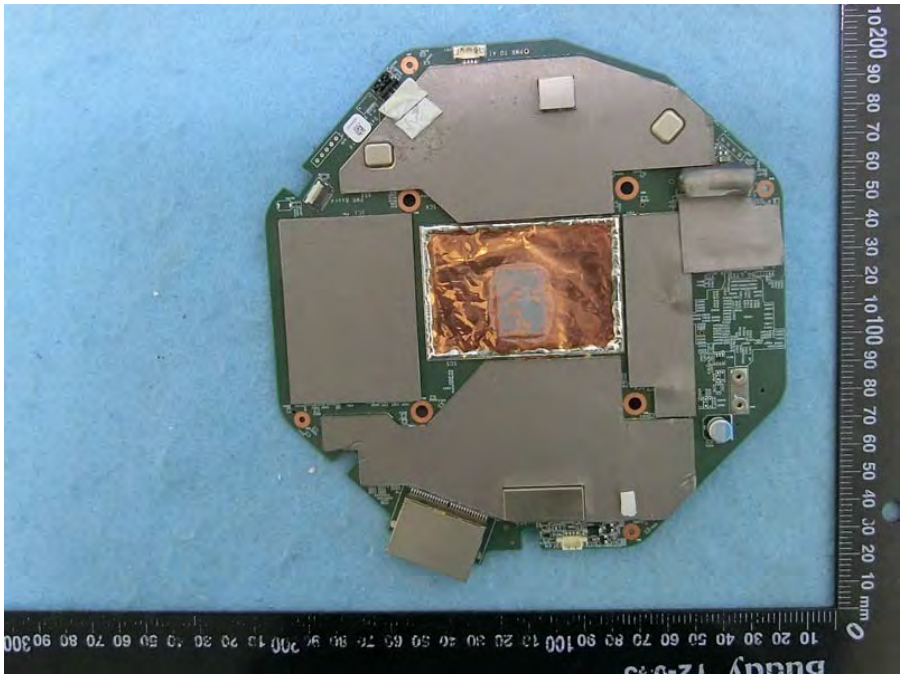

8
QDM3630
4010539M
2DL0000
J70

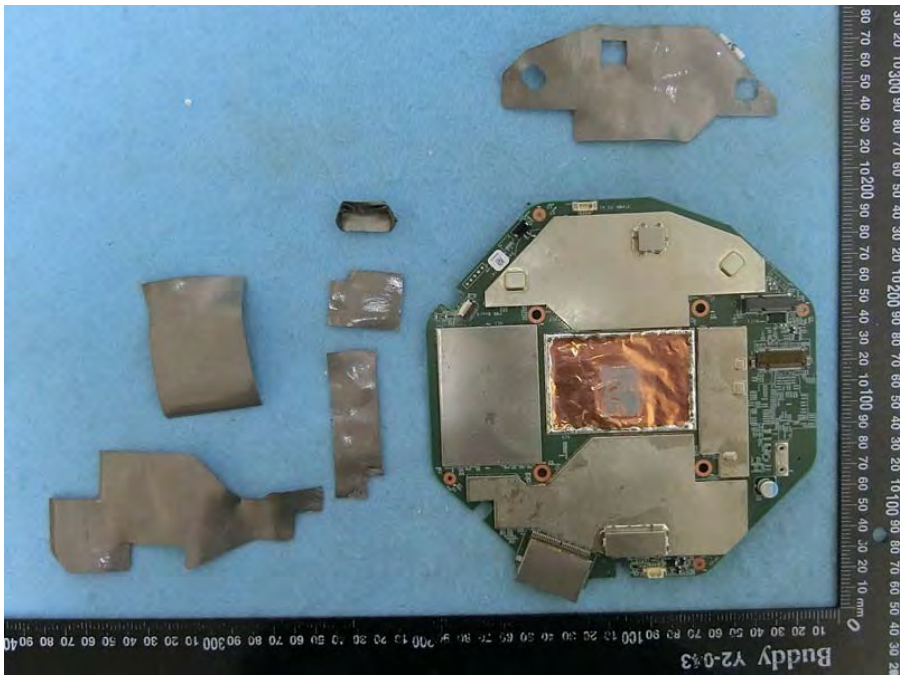

QUALCOMM
QPM2642
003
J70
8
J70

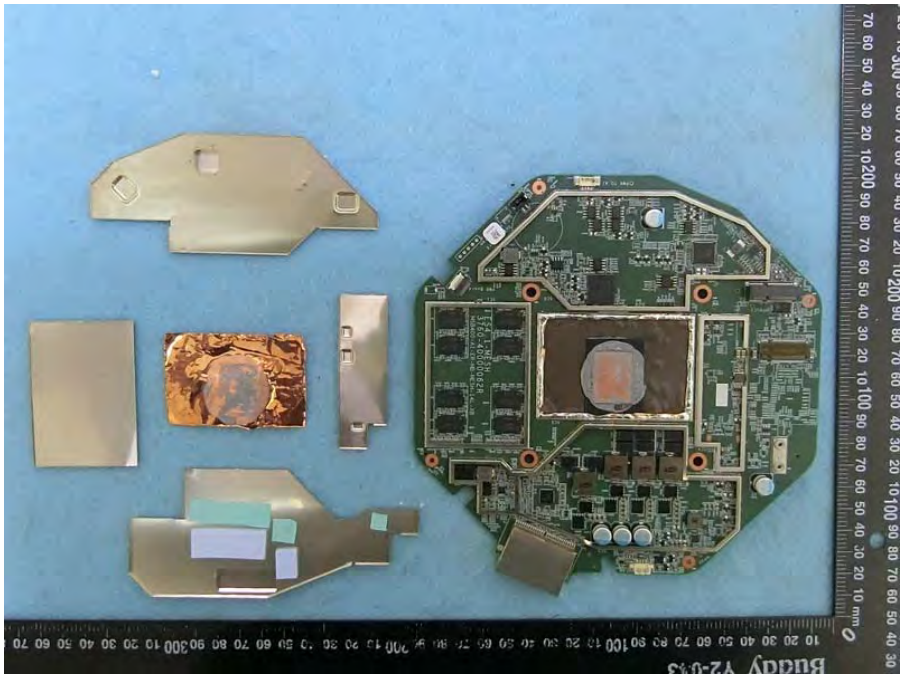


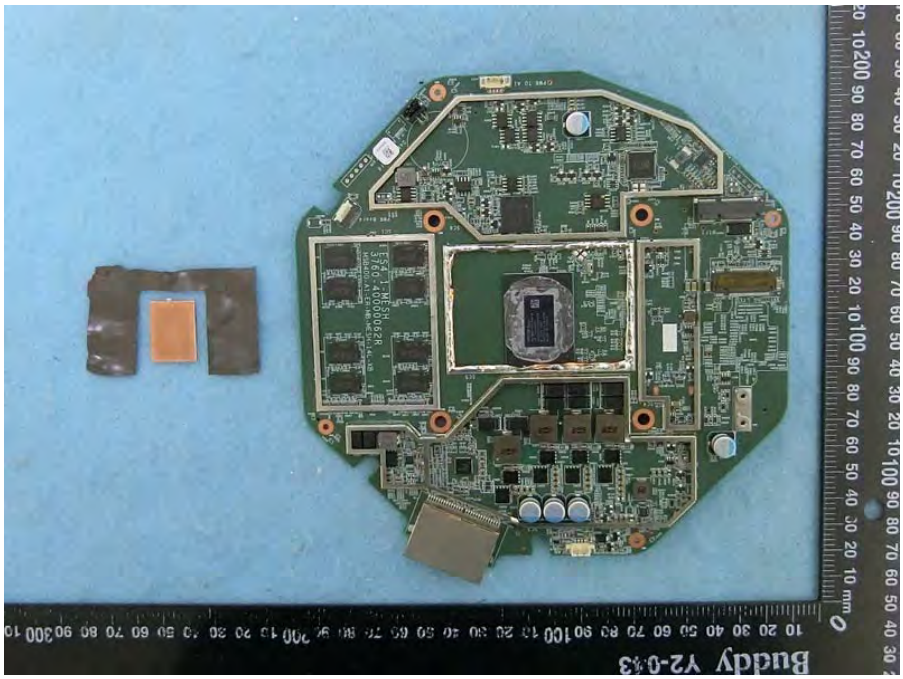


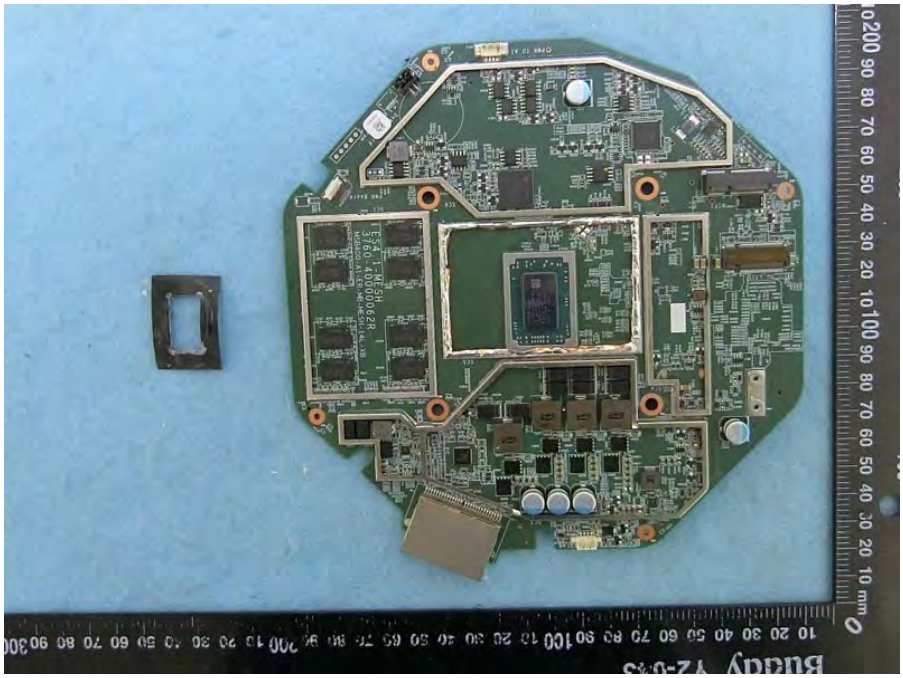


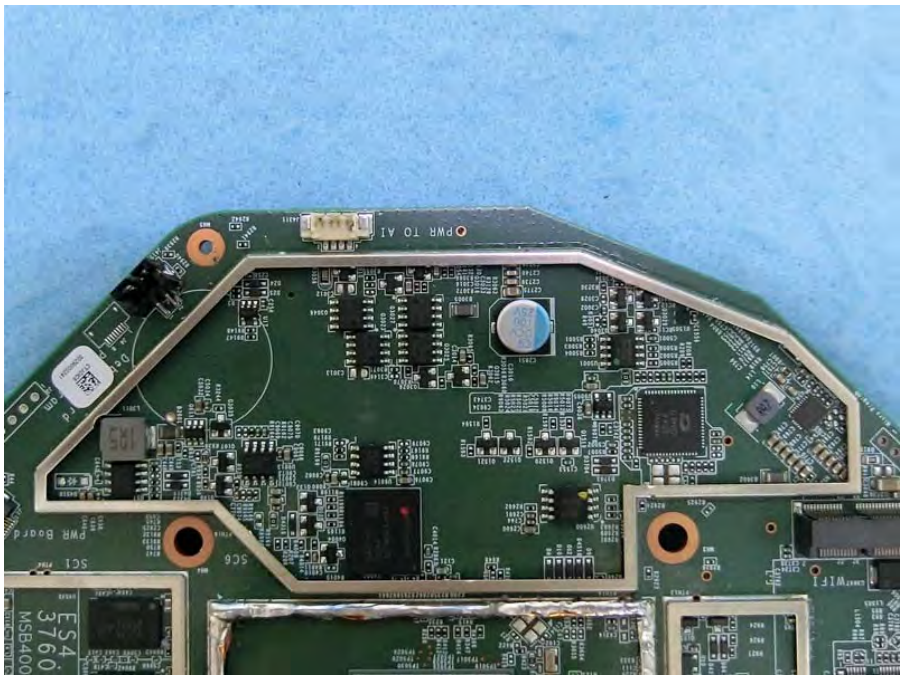


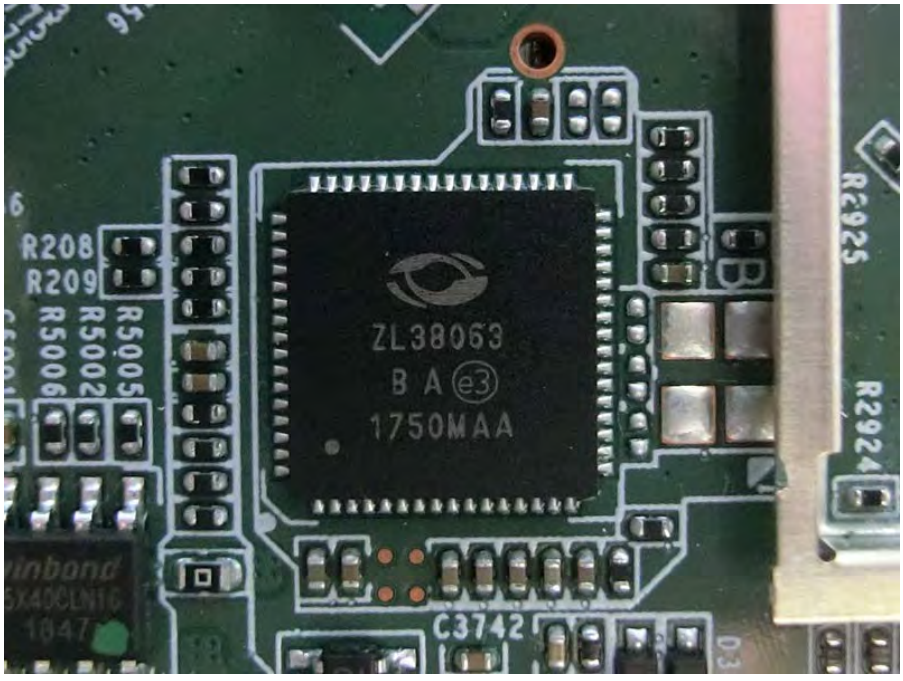




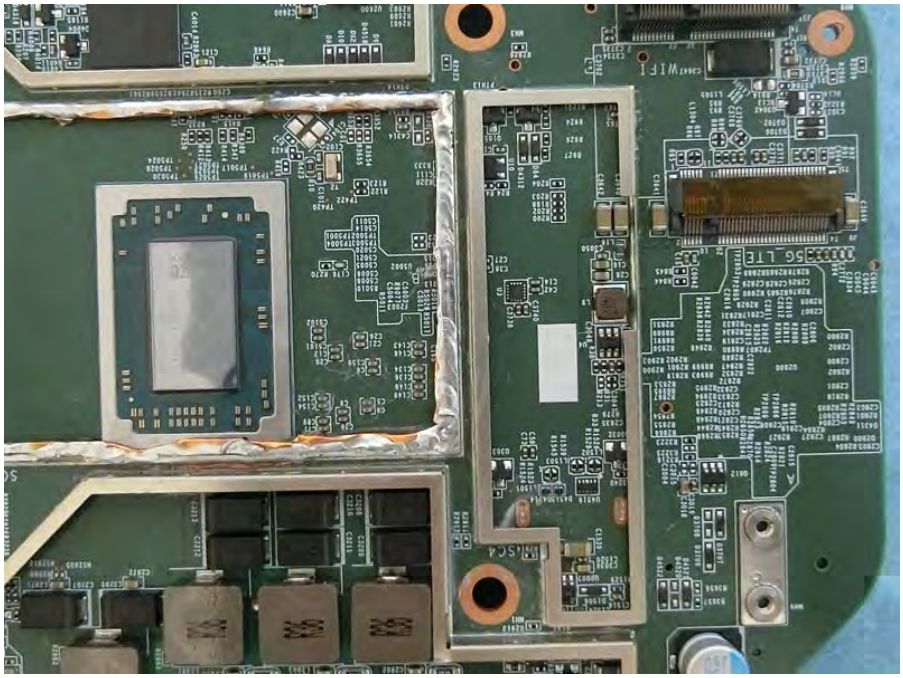


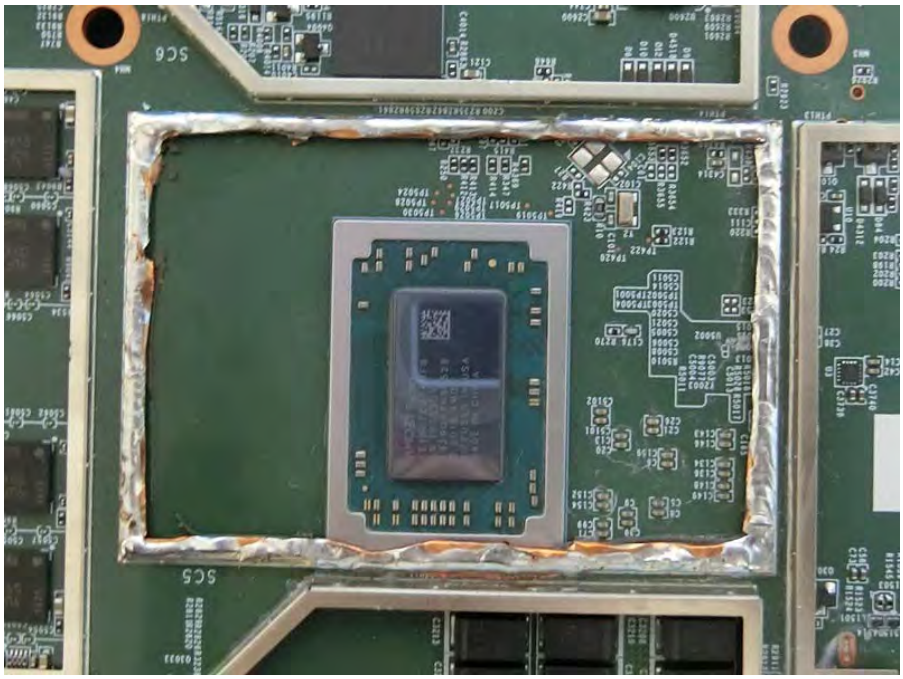


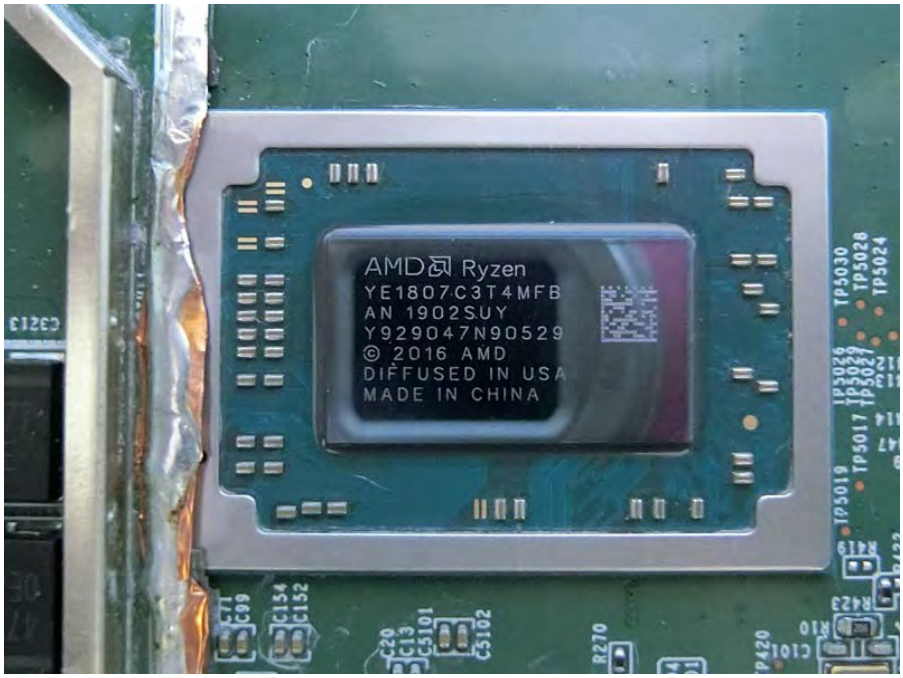

PWR TO AI
PWR Board
ES4
3760
MSB400

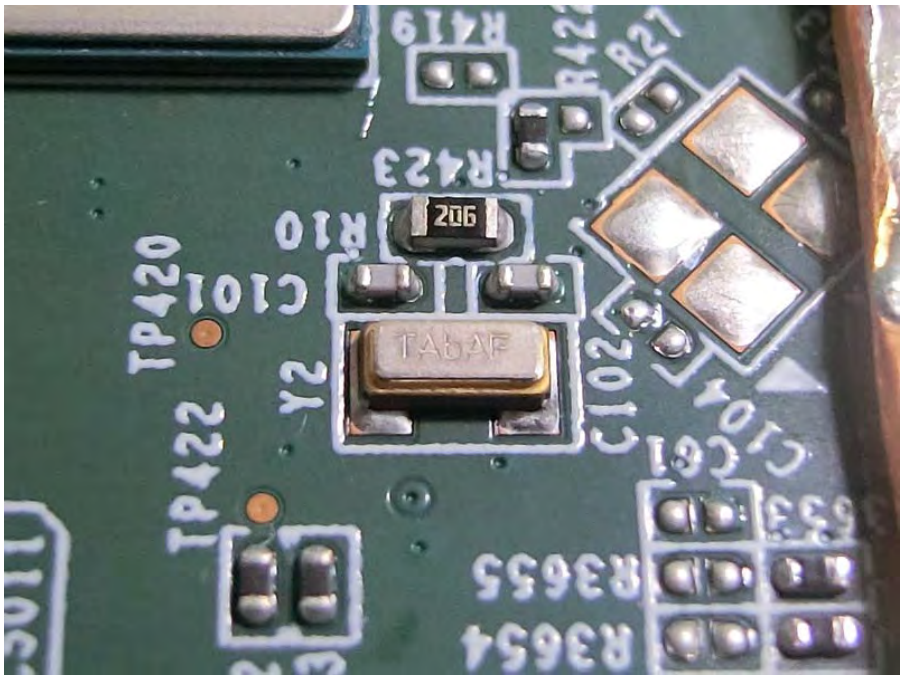

R208
R209
R5005
R5002
R5006
ZL38063
B A e3
1750MAA
R2925
R2924
C3742

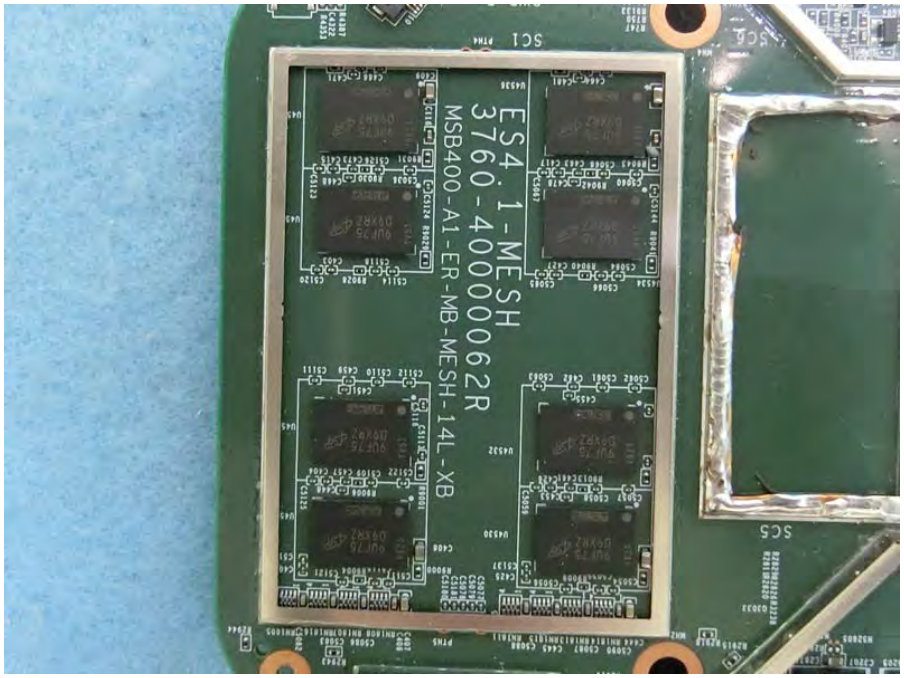

SanDisk
CHINA
SDINBDA4-64G
9201DVCJ50XG
U4000
R4013
Q4004
R1195
R1199R1194
C9081
U9014
C9076
C9077
C9078
R9168
R9167
C9079
R232
C121

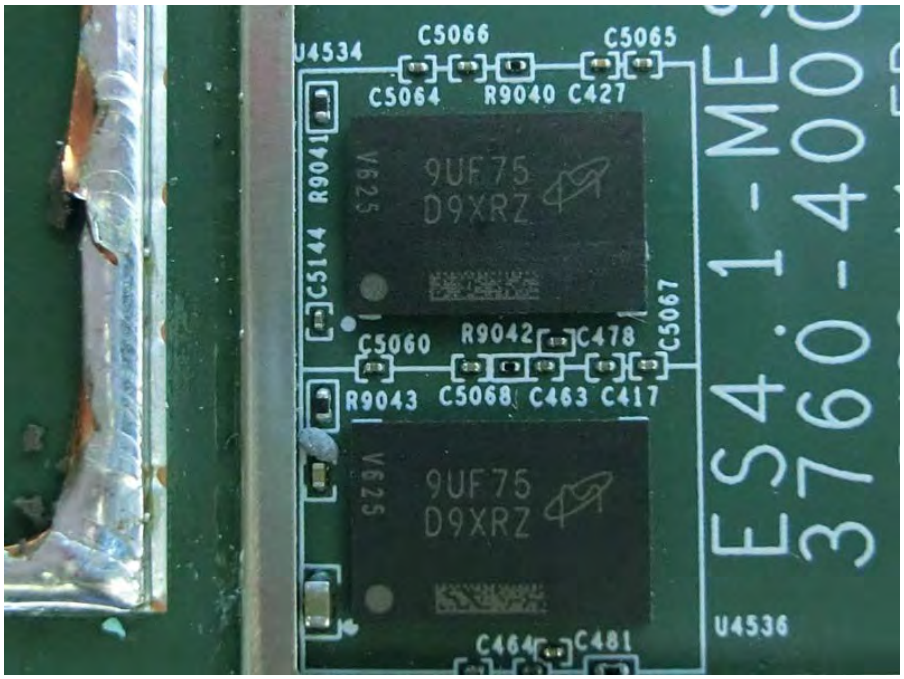


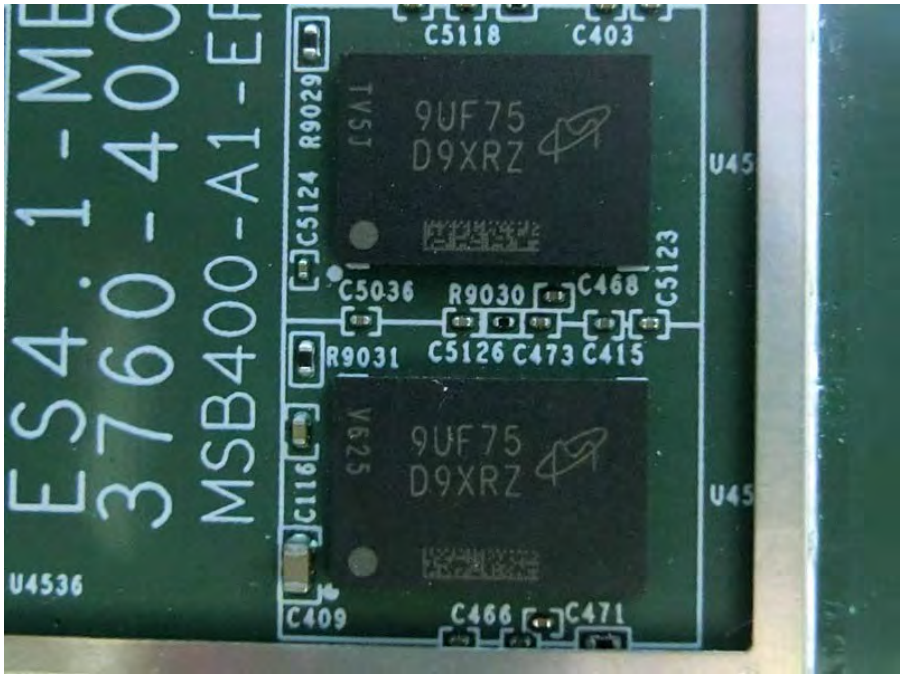


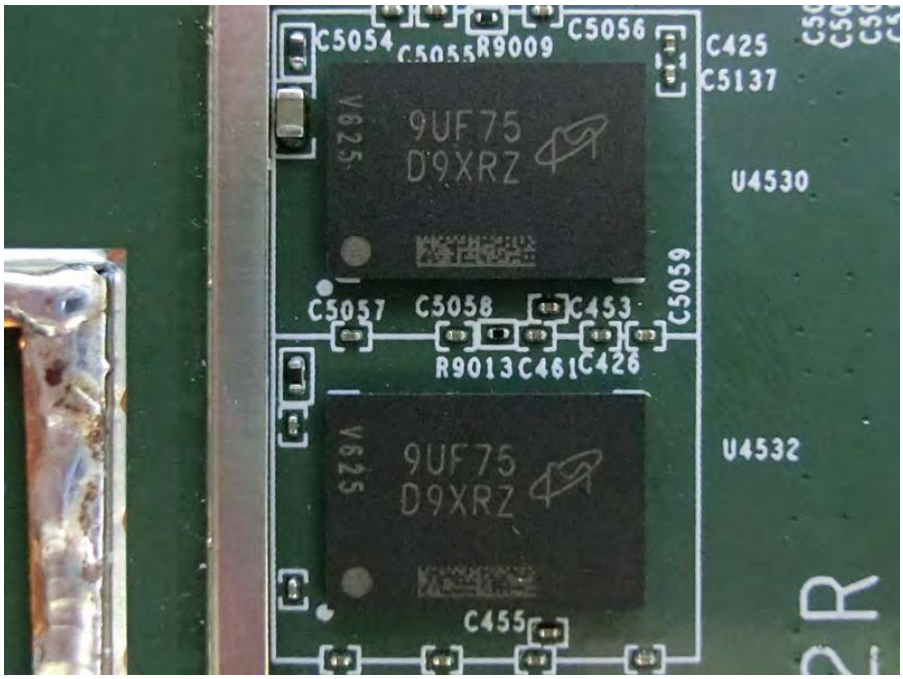

AMD Ryzen
YE1807C3T4MFB
AN 1902SUY
Y929047N90529
© 2016 AMD
DIFFUSED IN USA
MADE IN CHINA

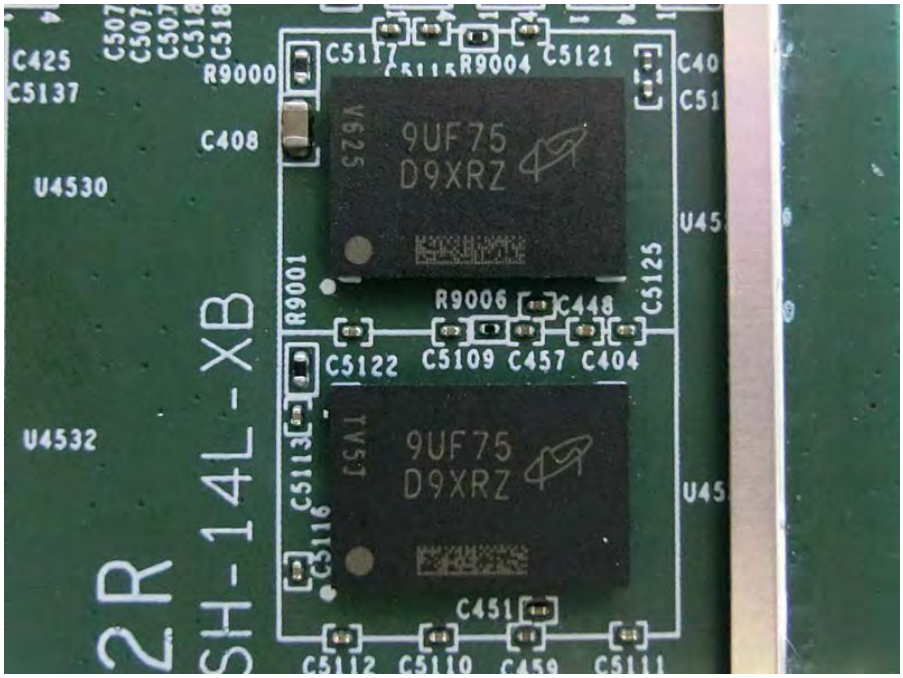

R419
R427
R423
206
R10
C101
TP420
TABAF
Y2
TP422
C102
C104
C61
R3655
R3654

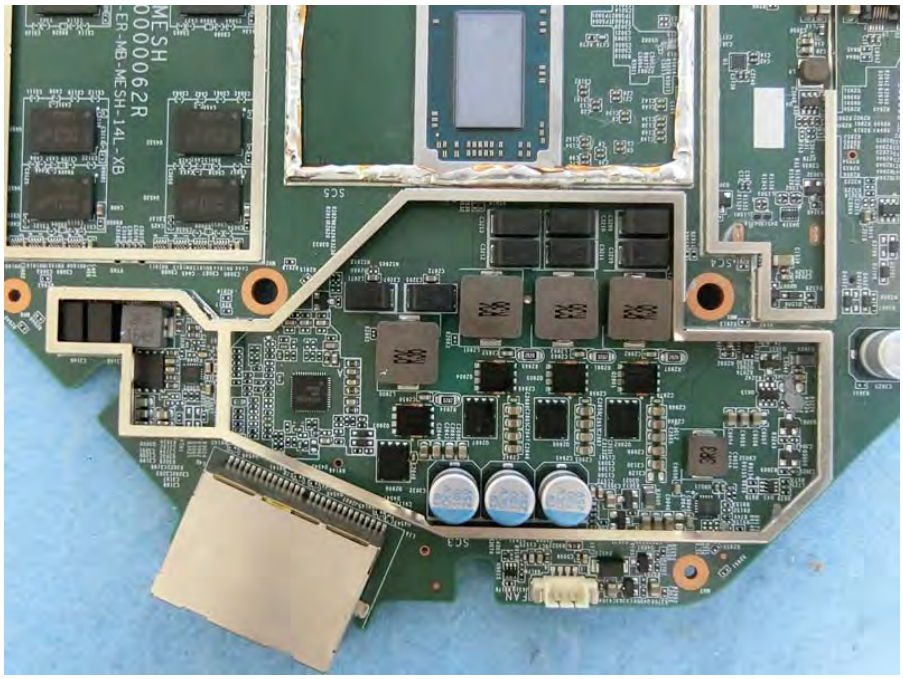

ES4.1-MESH
3760-4000062R
MSB400-A1-ER-MB-MESH-14L-XB

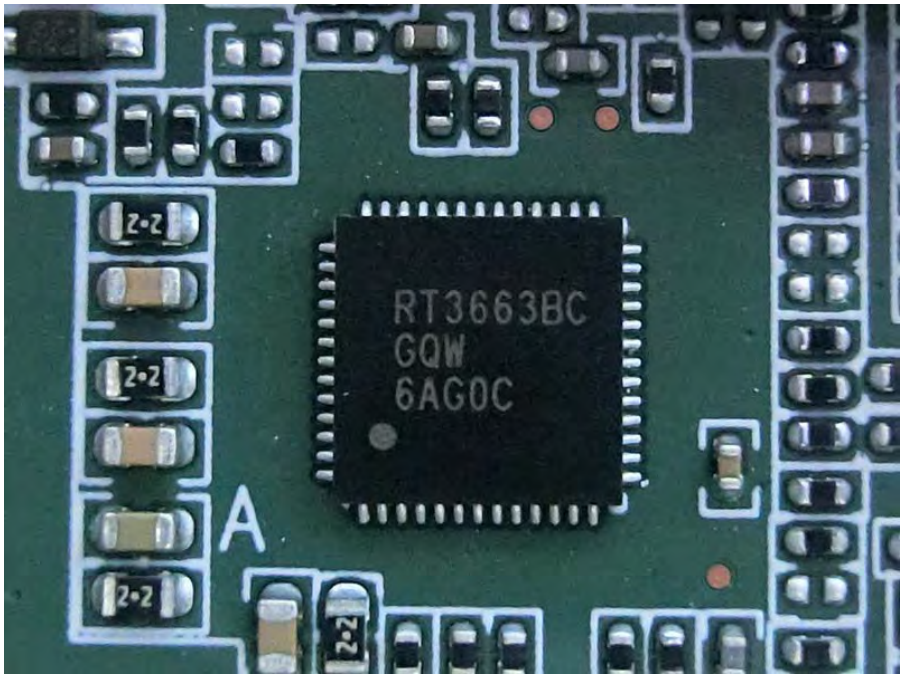

U4534
C5066
C5065
C5064
R9040
C427
R9041
C5144
9UF75
D9XRZ
C5060
R9042
C478
C5067
R9043
C5068
C463
C417
C464
C481
U4536

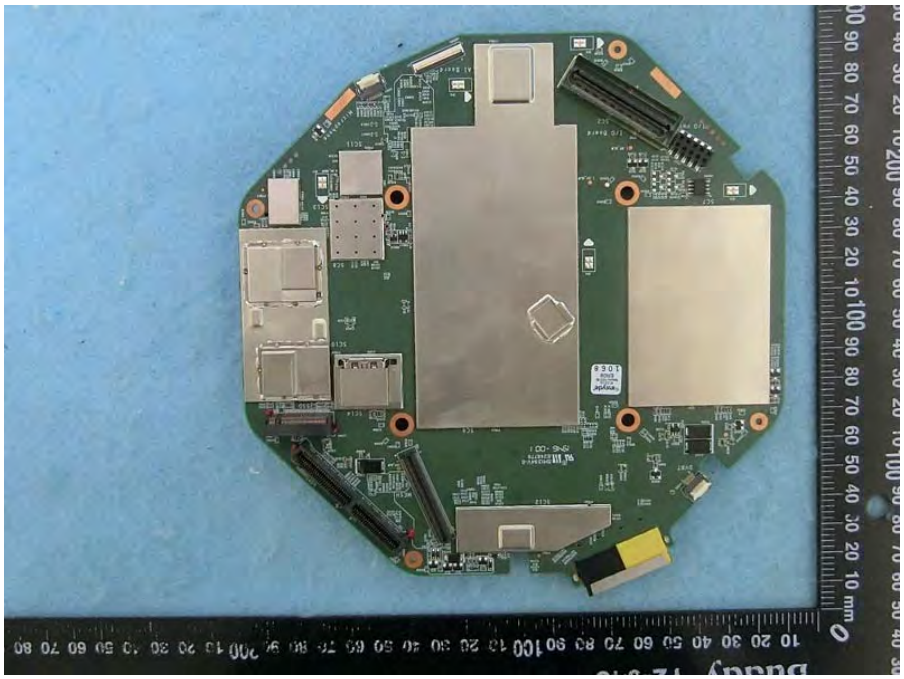

C5118
C403
R9029
C5124
9UF75
D9XRZ
C5036
R9030
C468
C5123
R9031
C5126
C473
C415
C116
C409
C466
C471
U4536

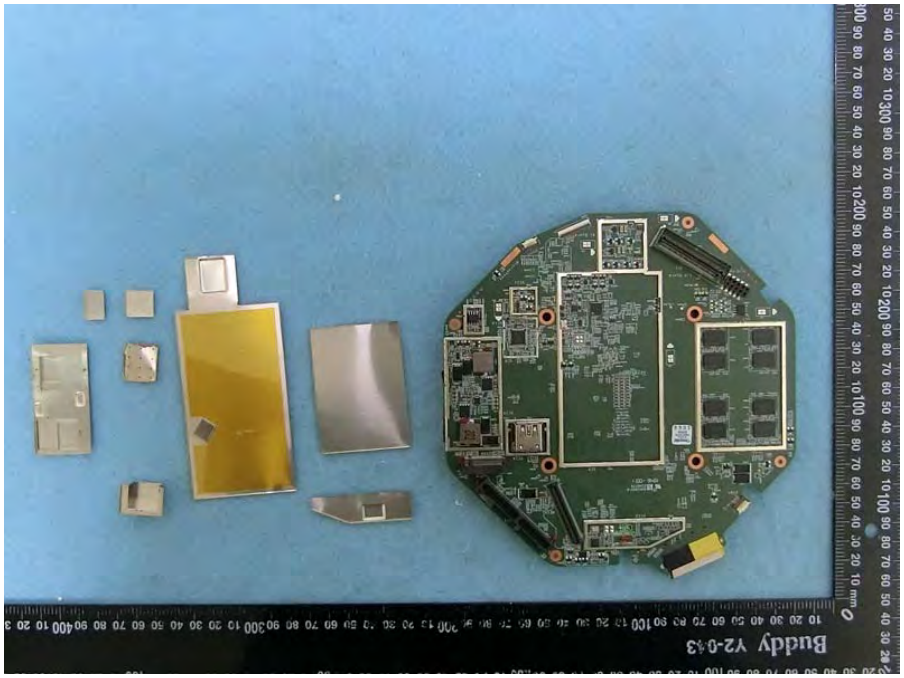

C5054
C5055
R9009
C5056
C425
C5137
U4530
9UF75
D9XRZ
C5057
C5058
C453
C5059
R9013
C461
C426
U4532
C455

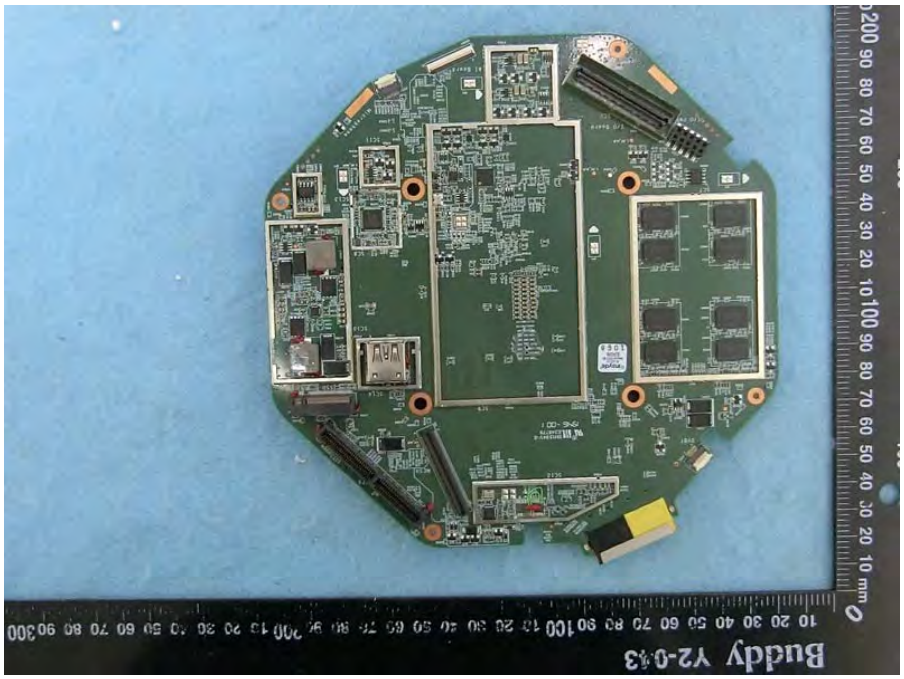

C425
C5137
R9000
C408
U4530
C5117
R9004
C5121
9UF75
D9XRZ
R9001
R9006
C448
C5125
C5122
C5109
C457
C404
U4532
C5113
C5116
C451
SH-14L-XB

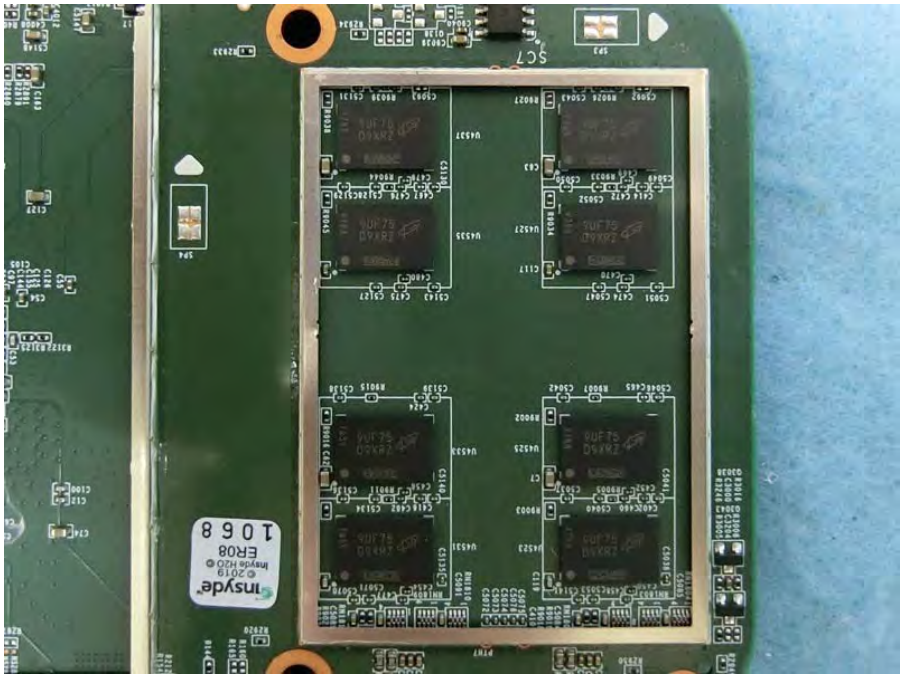

MESH
0000062R
EP-MB-MESH-14L-XB

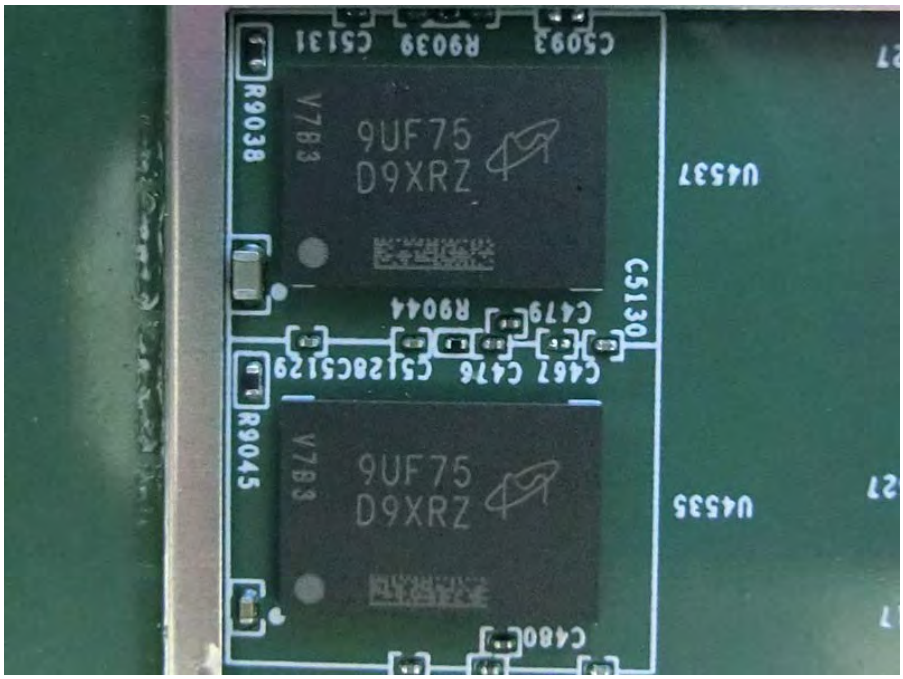

RT3663BC
GQW
6AG0C
A

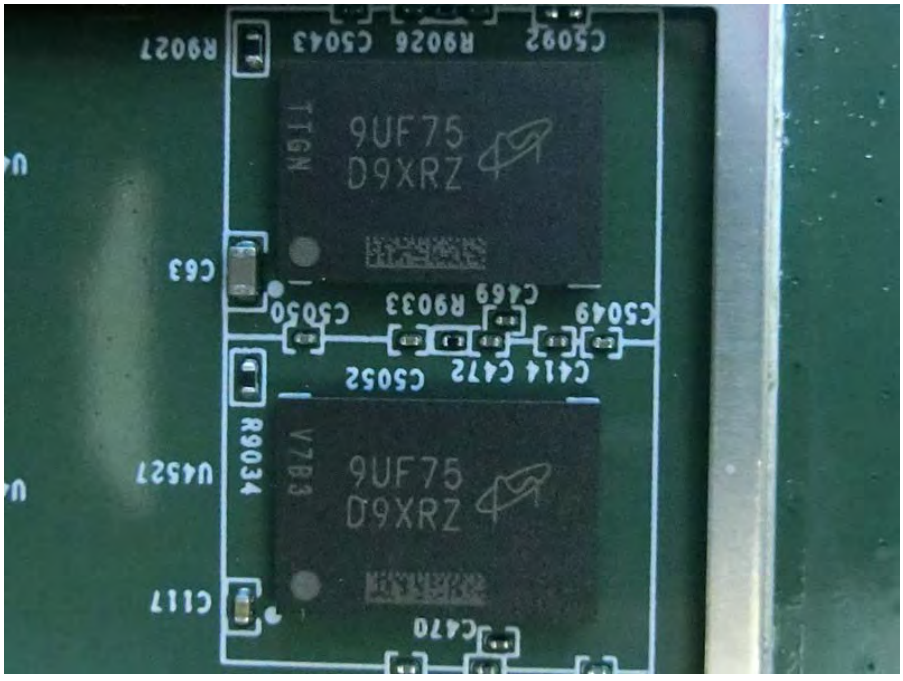


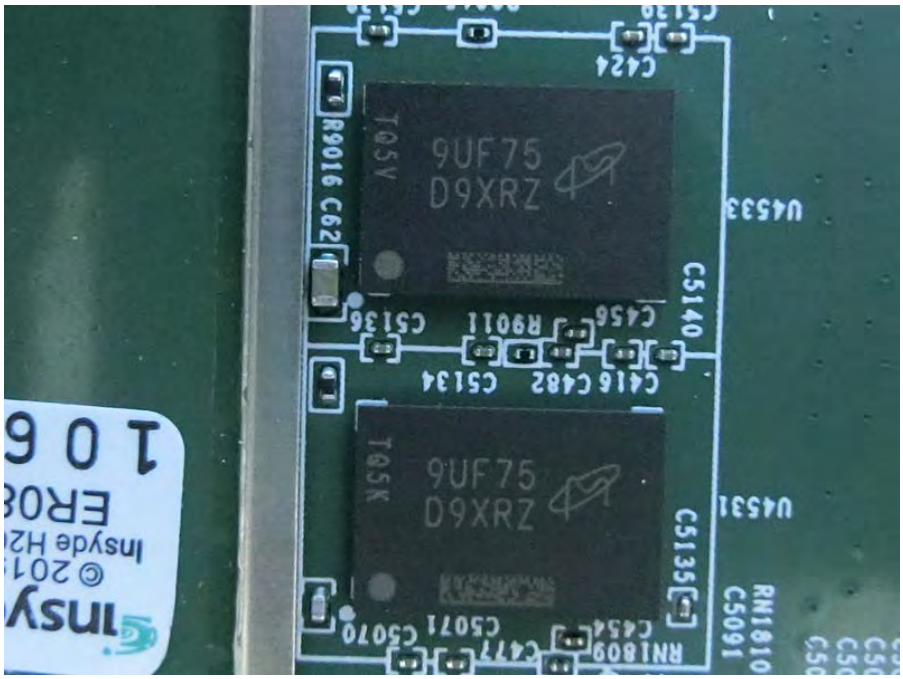

Buddy V2-0.3

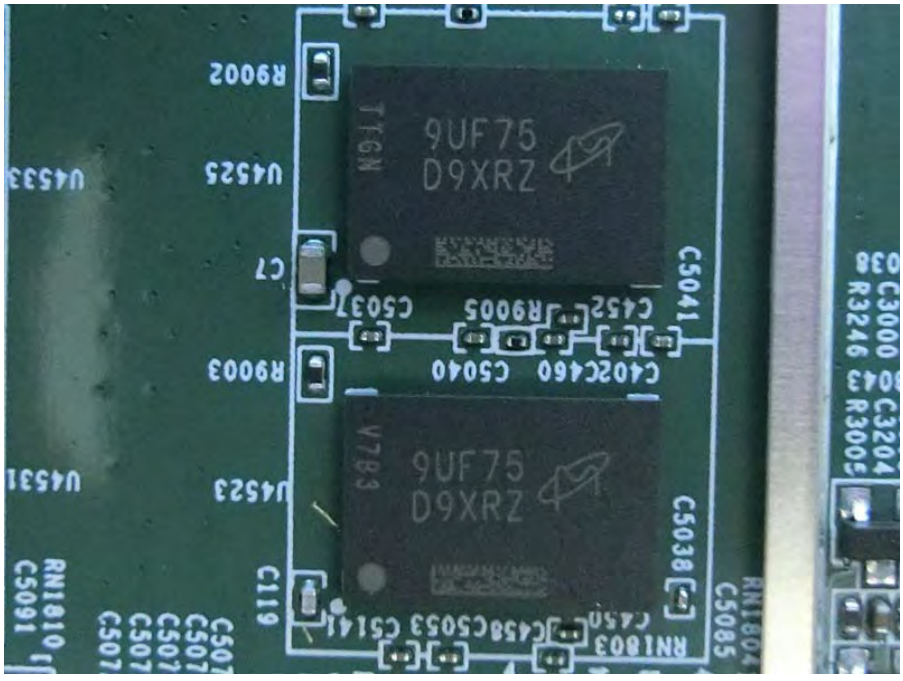


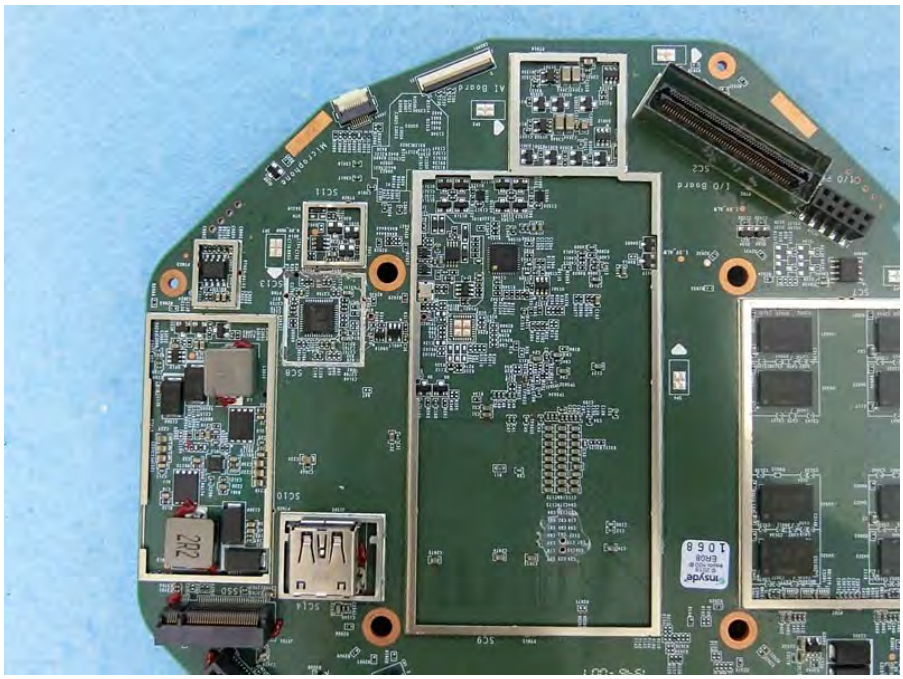


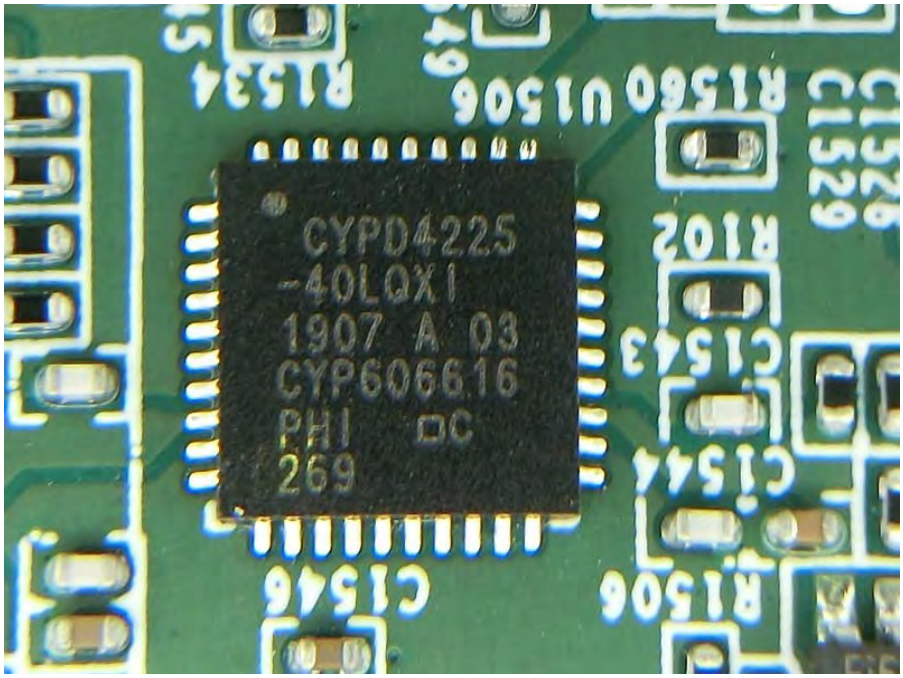

R9038
V7B3
9UF75
D9XRZ
U4537
C5130
R9044
C479
C467
C476
C5128
C5129
R9045
V7B3
9UF75
D9XRZ
U4535
C480

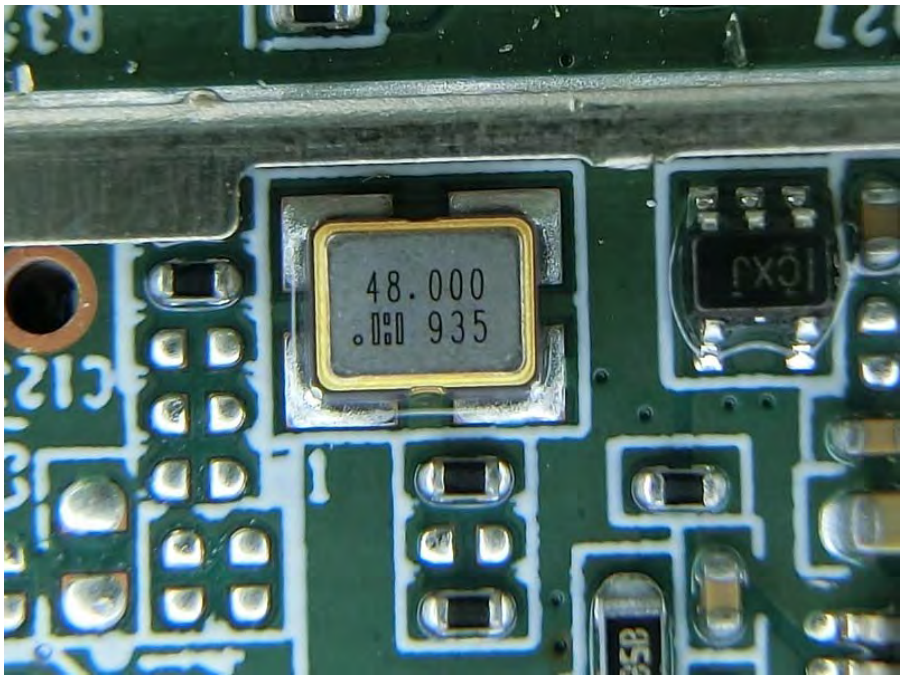

R9027
C5043
R9026
C5092
TIGN
9UF75
D9XRZ
C63
C5050
C469
R9033
C5049
C5052
C414
C472
R9034
V7B3
9UF75
D9XRZ
U4527
C117
C470

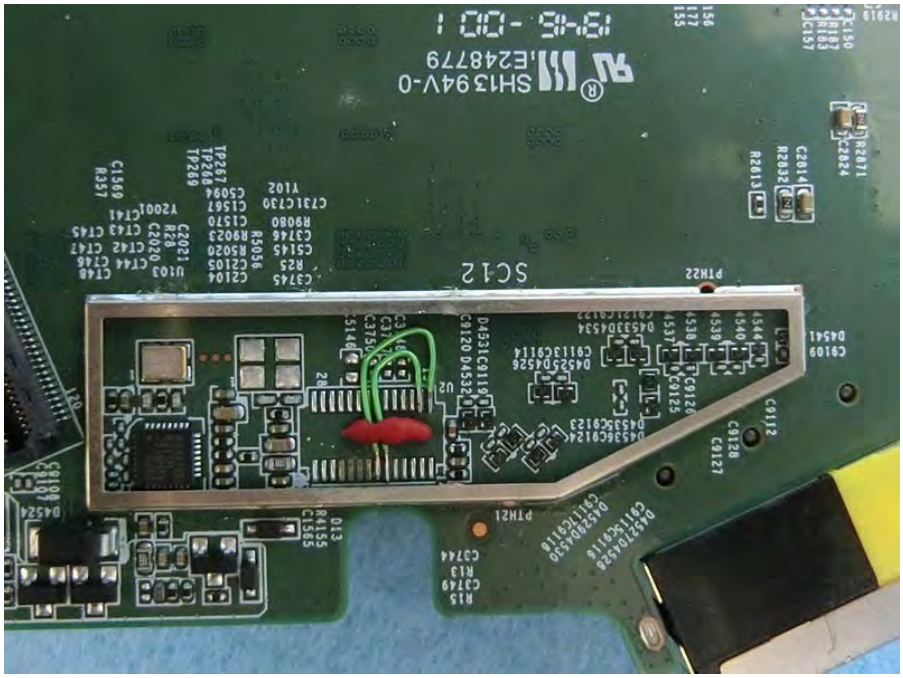

9UF75
D9XRZ
T05V
T05K
C5140
C5135
U4533
U4531
C424
R9016
C62
C5136
R9011
C456
C416
C482
C5134
C5070
C5071
C454
C477
RN1809
RN1810
C5091

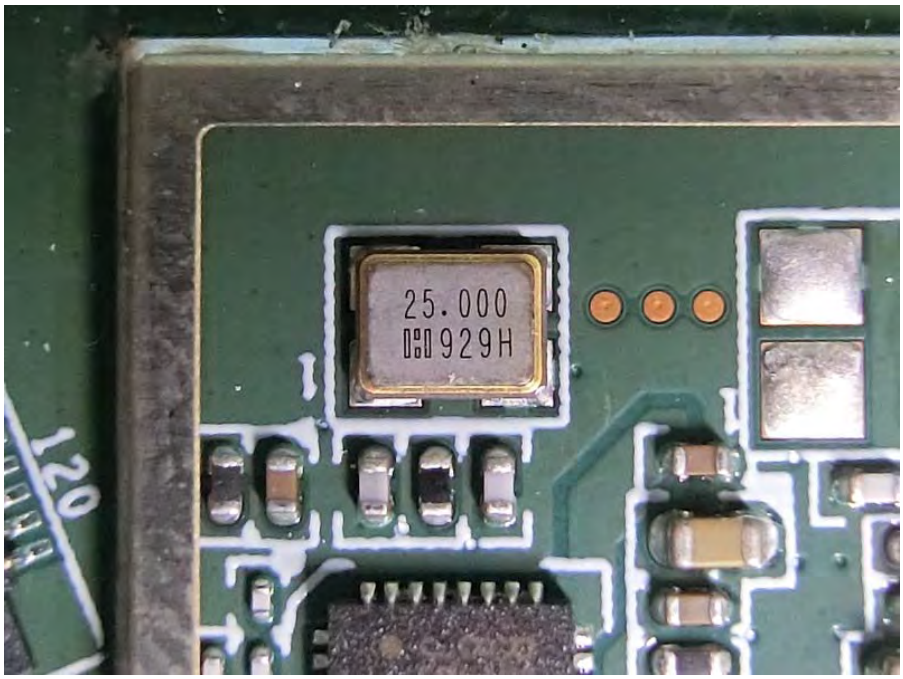

9UF75
D9XRZ
T1GN
V783
R9002
U4533
U4525
C7
R9003
U4531
U4523
C5041
C5038
C5037
R9005
C452
C402
C460
C5040
C119
C5053
C5141
C458
RN1803
RN1810
C5091
C5085
C3000
R3246
C3204
R3005

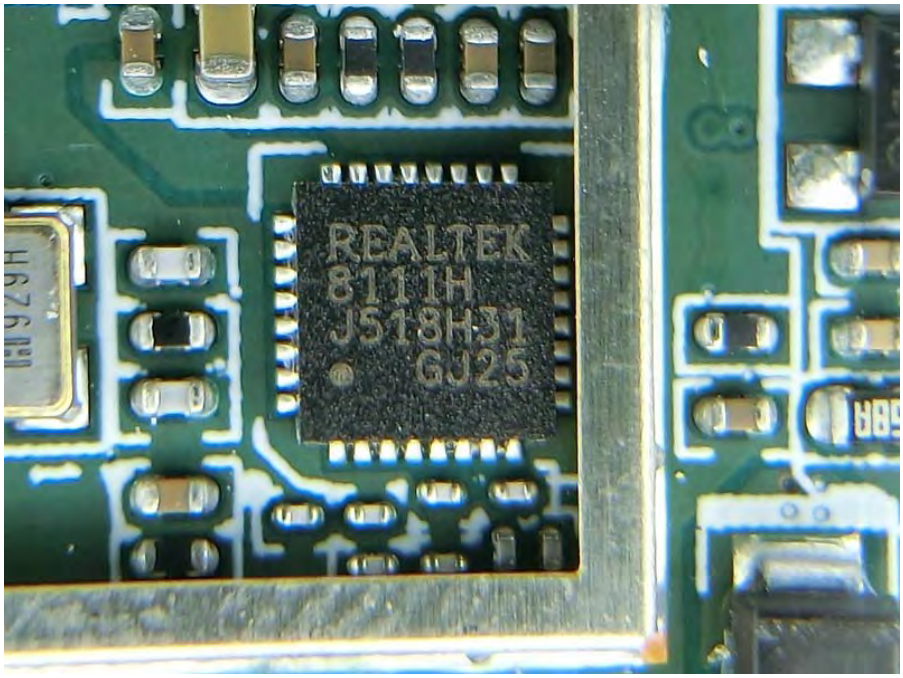


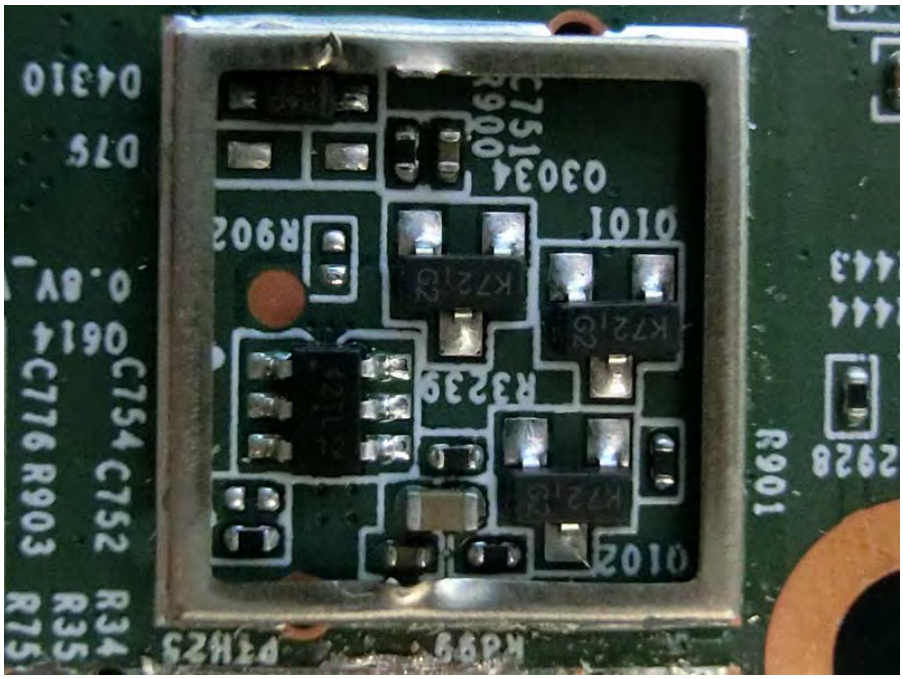

CYPD4225
-40LQXI
1907 A 03
CYP606616
PHI
269

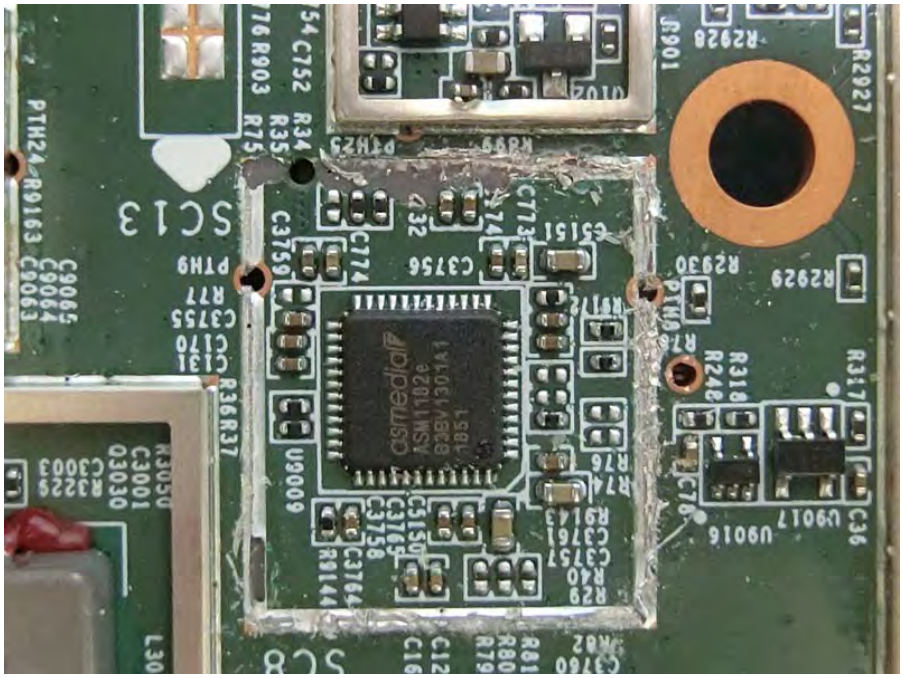

48.000
935

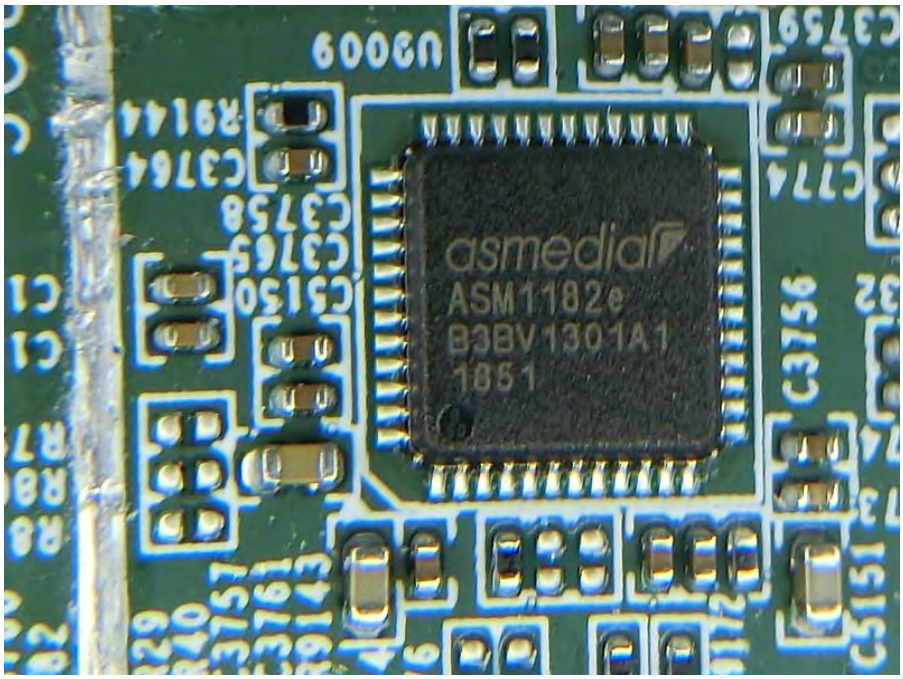


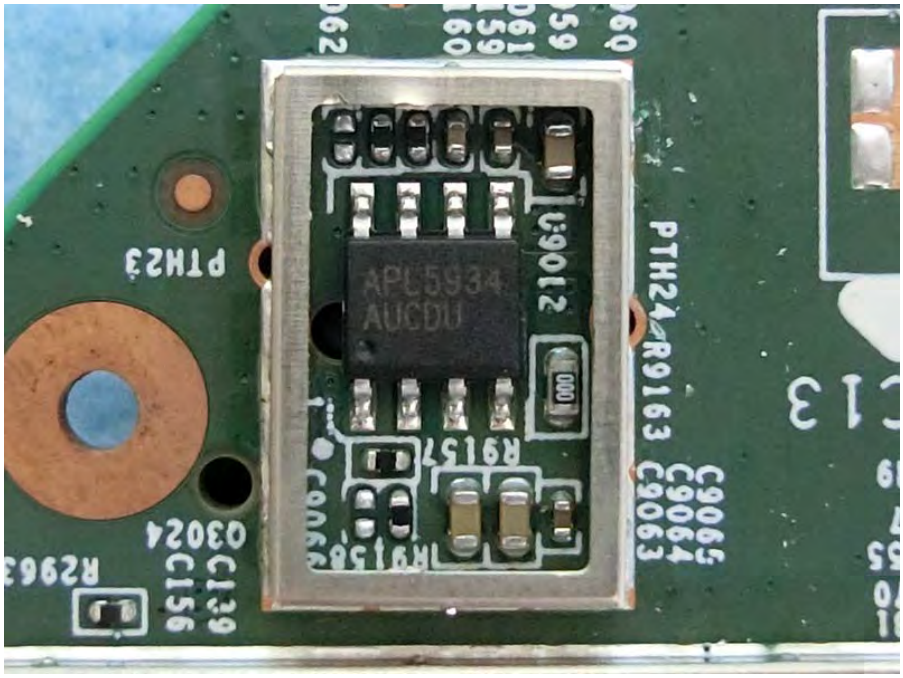

25.000
929H


REALTEK
8111H
JS18H31
GJ25


C754 C752
R34
R35
R75
C776 R903
R901
R902
R2928
R3239
C7515
R900
Q3034
Q101
Q102
K72
K72
K72


SC13
C752
R34
R35
R75
R903
R2928
R2927
R2929
R2930
R318
R317
C3759
C3756
C3755
C3761
C3757
C3758
C3760
U9009
U9016
U9017
C36
csmedia
ASM1102e


asmedia
ASM1182e
B3BV1301A1
1851


APL5934
AUCDU
PTH23
PTH24
R9163

