7V àDUů
àDUů

D}F^ x ƒE

gé V1.8

é« 2023-04-10

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copyright © 2023 iHèa

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z iH[illegible] 7*24h[illegible] 4008-111-000

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z iH[illegible] FØ [illegible] 4008111000@ruijie.com.cn

z iH[illegible] doc@ruijie.com.cn

4i:[illegible] APP iH[illegible]

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1. [illegible]

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nPM}[illegible] ož[illegible] k [illegible] k [illegible]k-è

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>[illegible]7328*[illegible]gLA[illegible]..

[illegible]

>[illegible]7328*[illegible]3g~L]73L[illegible]

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+[illegible]=+iD=/p1[illegible]CP28*[HD[illegible]

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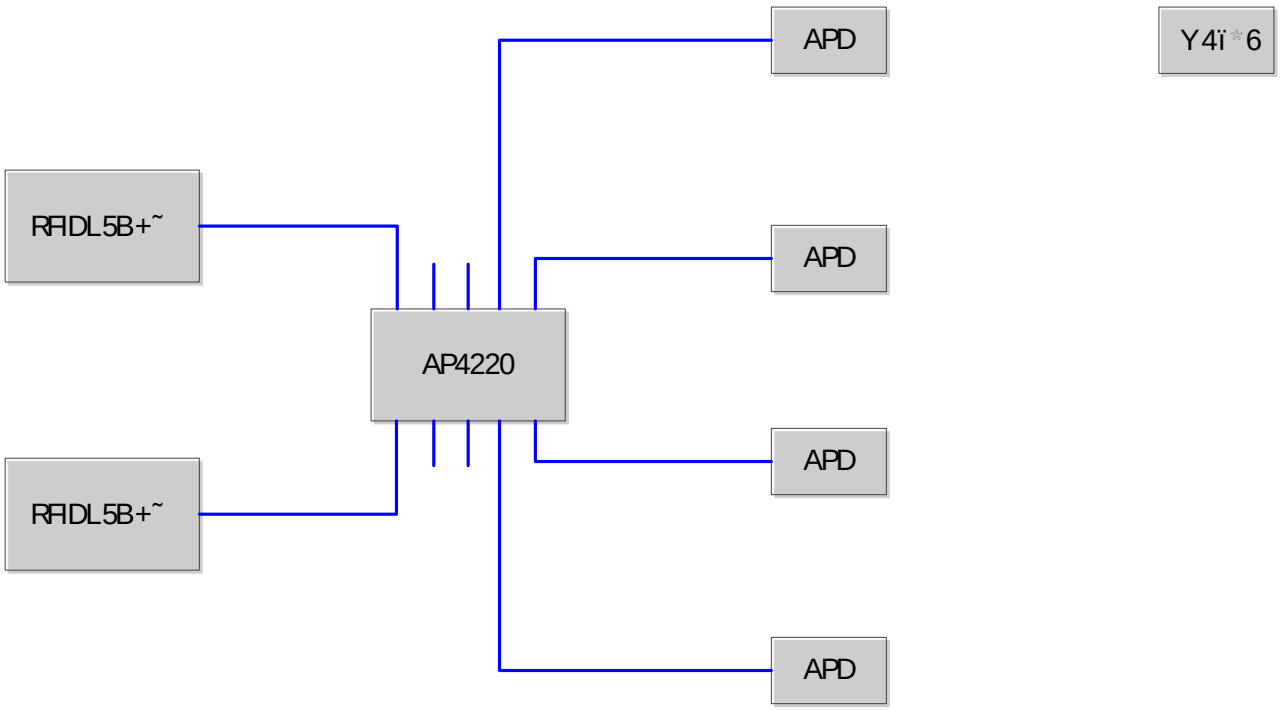
1 [illegible]

1.1 [illegible]

[illegible] 2.4G N[illegible]
[illegible] 5G M&%[illegible] [illegible] @ã
[illegible]

[illegible] APÃ APD[illegible] AP [illegible] 48 [illegible] RFID 4N[illegible]
RFID [illegible] APD [illegible] AP[illegible] 2.4G/5G M&%[illegible] 5G M&%[illegible] 11ac [illegible] 5[illegible]



1.2 [illegible]

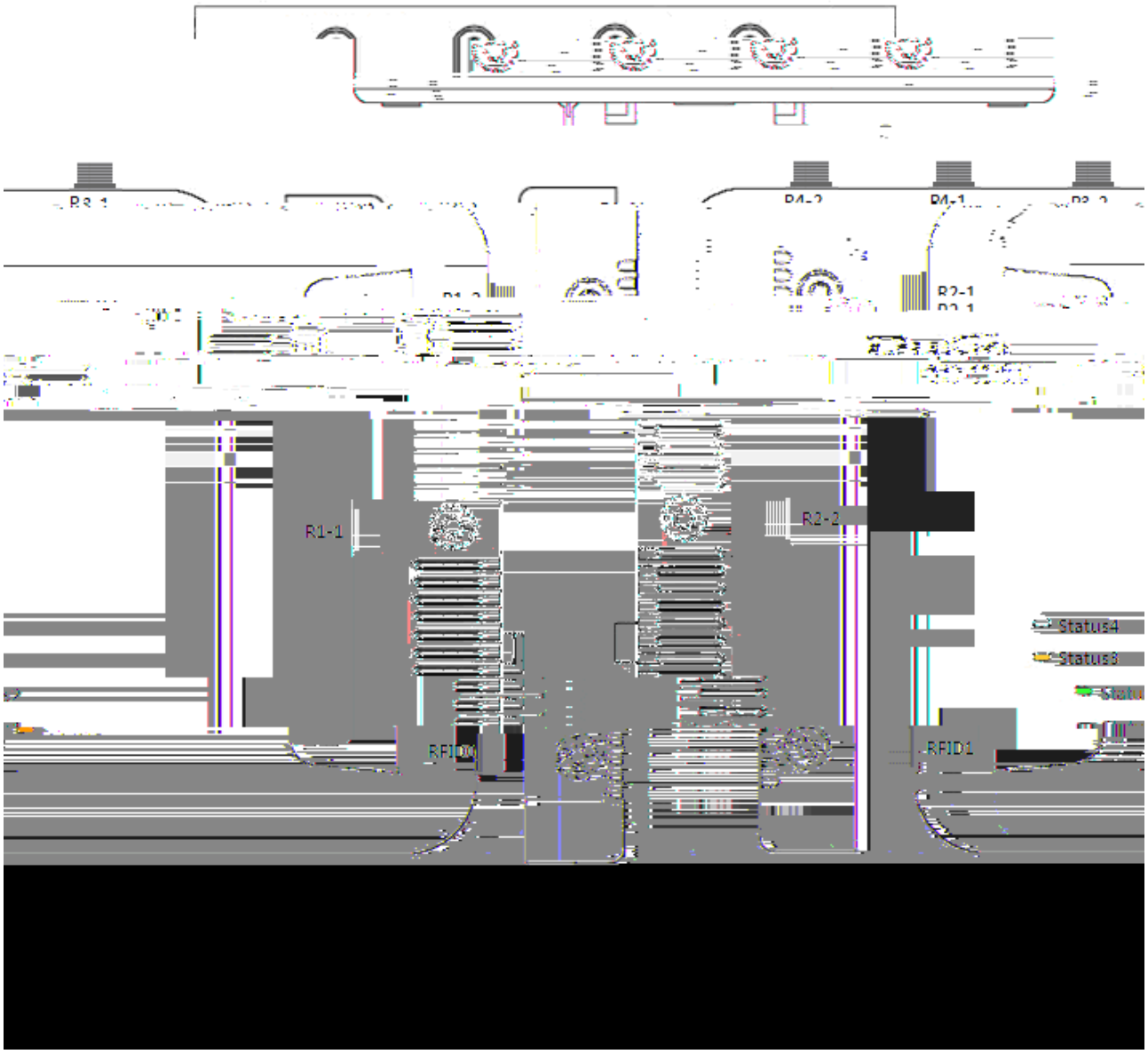
1.2.1 RG-AP4220

1.2.1.1 RG-AP4220 C[illegible]

[illegible]	RG-AP4220
4[illegible]	
PEÃÞ	D[illegible] 802.11ac/n/a/g/b [illegible]
4 [illegible] RRM	F[illegible]3Ä DCAÅ [illegible]8[illegible] TPCÅ -[illegible]
1Fƒ	802.11b/g/nÖ 13 [illegible] 1~6 [illegible]Å 802.11a/n/acÖ 41 [illegible] 149~165 [illegible]Å
[illegible]O)·	802.11aÖ 54/48/36/24/18/12/9/6Mbps 802.11bÖ 11/5.5/2/1Mbps 802.11gÖ 54/48/36/24/18/12/11/9/6/5.5/2/1Mbps 802.11nÄ 20MHz [illegible] : 72.2/65/58.5/57.8/52/43.3/39/28.9/26/21.7/19.5/14.4/13/7.2/6.5Mbps 802.11nÄ 40MHz [illegible]

	150/120/135/121.5/120/108/90/81/60/54/45/40.5/30/27/15/13.5Mbps 802.11acÖ 0QFO)· 433Mbps(NSS1È VHT80)
(*®(©W	
j(	200mm×190mm×35mmÁ h$ ×Q Å
GÓÿ	=CÊ÷ 2kg(Ó ý [[2æ])
>Ó	ãÆ,ÀQVÍ7])

1.2.1.2 RG-AP4220 CØ ¢



1. Status1 R1-1&R1-2
2. Status2 R2-1&R2-2
3. Status3 R3-1&R3-2
4. Status4 R4-1&R4-2
5. Power.
6. LAN LAN
7. LAN/PoE. PoE LAN
8. 48V
9. Console RJ45
10. RFID0 RFID 1 SMA
11. RFID1 RFID 2 SMA
12. R1-1 CH1_2.4G,CH0_5.8G, 1 SMA
13. R1-2 CH0_2.4G,CH1_5.8G, 1 SMA
14. R2-1 CH1_2.4G,CH0_5.8G, 2 SMA
15. R2-2 CH0_2.4G,CH1_5.8G, 2 SMA
16. R3-1 CH1_2.4G,CH0_5.8G, 3 SMA
17. R3-2 CH0_2.4G,CH1_5.8G,

	3È SMA Õ	
	18. R4-1	CH0_2.4G,CH1_5.8G, 4NÁ
	4È SMA Õ	
	19. R4-2	CH1_2.4G,CH0_5.8G, 4NÁ
	4È SMA Õ	

1.2.1.3 RG-AP4220 CÐ”

¡¿	MÃö	(ãe	[y		
(ãj¿	Status1	5ß¢ ¿	4Ñ	R1-1&R1-2 0ñ	
		¿¿	4Ñ	R1-1 !ÈÑ	R1-2 2h
		¿	4Ñ	R1-1 2ÈÑ	R1-2 !ñ
		4Ò¢ ¿ Þ	4Ñ	R1-1&R1-2 2ñ	
(ãj¿	Status2	5ß¿	4Ñ	R2-1&R2-2 0ñ	
		¿¿	4Ñ	R2-1 !ÈÑ	R2-2 2h
		¿	4Ñ	R2-1 2ÈÑ	R2-2 !ñ
		4Ò¢ ¿ Þ	4Ñ	R2-1&R2-2 2ñ	
		5ß¿	4Ñ	R3-1&R3-2 0ñ	

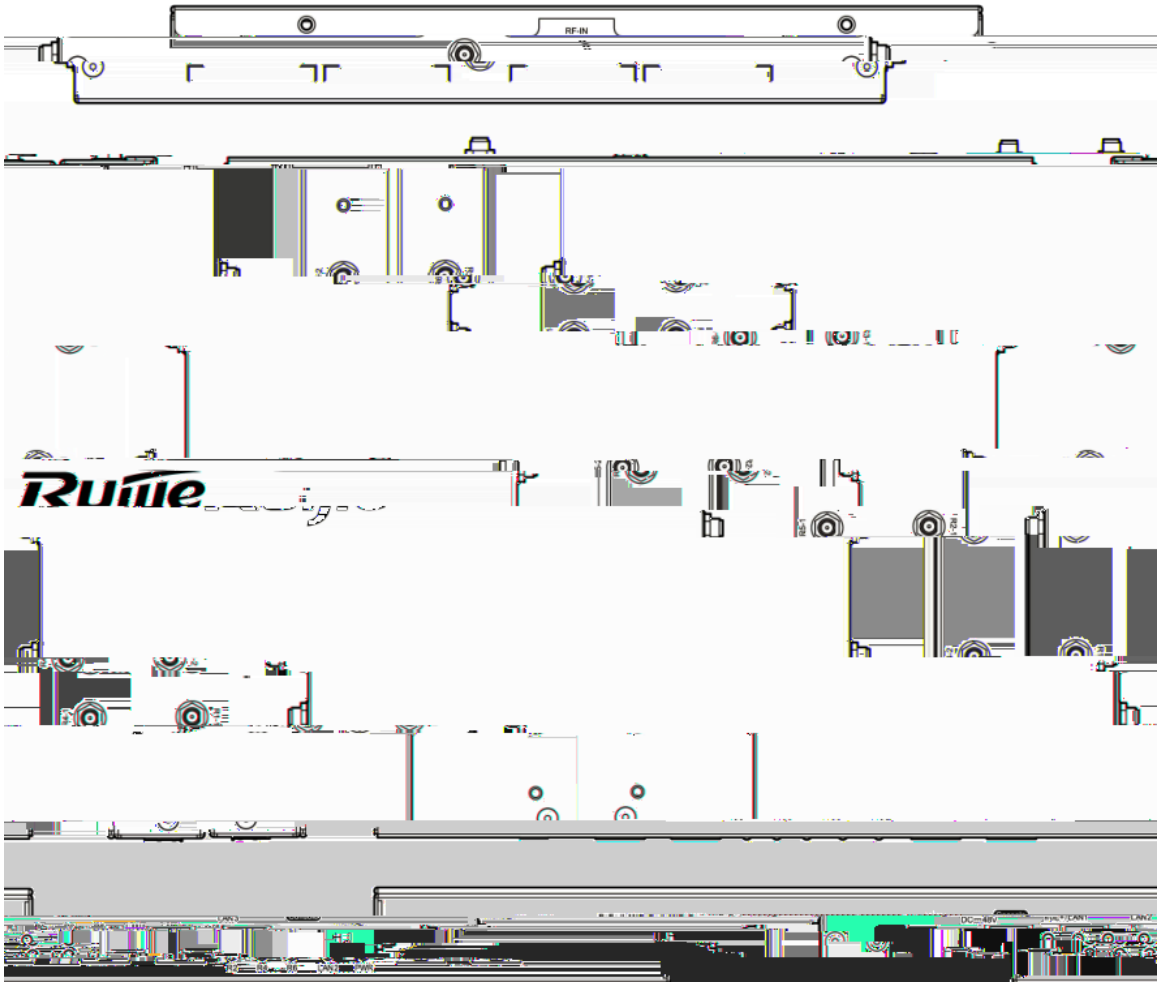
(ãj¿ Status3

1.2.1.5 RG-AP4220 bCã

RG-AP4220 G+XNp'AÃ3Ã3Ã n5ž1& È ÄX j1ã× ´M¯ +Ca 10cm ,0L$ È ¾

Health	EN 62311
4NÁ	4ÄA7hÃ EN300 328Ã EN301 893

1.2.2.2 RG-APD-M(EA)CØ ¢



1. R1	R1-1&R1-2	15.R1-1	AP 1
2. R2	R2-1&R2-2	CH0_2.4G,CH0_5.8G,SMA	
3. R3	R3-1&R3-2	16.R1-2	APD 1 SMA
4. R4	R4-1&R4-2	17.R2-1	AP 2
5. R5 .	R5-1&R5-2	CH0_2.4G,CH0_5.8G,SMA	
6. R6	R6-1&R6-2	18.R2-2	APD 2 SMA
7. LAN1	LAN1	19.R3-1	AP 3
8. LAN2	LAN2	CH0_2.4G,CH0_5.8G,SMA	
9. PWR		20.R3-2	APD 3 SMA
10.LAN3	LAN3	21.R4-1	AP 4
11. PoE+ / LAN 1. PoE	LAN	CH1_2.4G,CH0_5.8G,SMA	
12. LAN 2.	LAN 48V	22.R4-2	APD 4 SMA
13.48V		23.R5-1	AP 5
14.LAN 3.	LAN	CH1_2.4G,CH0_5.8G,SMA	

[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	R4	[illegible]	[illegible]
[illegible]	R5	[illegible]	[illegible]
		[illegible]	[illegible] R5-1&R5-2 [illegible]
		[illegible]	[illegible] R5-1 [illegible] R5-2 2h
		[illegible]	[illegible] R5-1 [illegible] R5-2 [illegible]
[illegible]	R6	[illegible]	[illegible] R6-1&R6-2 [illegible]
		[illegible]	[illegible] R6-1 [illegible] R6-2 2h
		[illegible]	[illegible] R6-1 [illegible] R6-2 [illegible]
[illegible]	PWR	[illegible]	[illegible]
		[illegible]	[illegible]
[illegible]	LAN1	[illegible]	[illegible]
		[illegible]	
		[illegible]	
[illegible]	LAN2	[illegible]	[illegible]
		[illegible]	
		[illegible]	
[illegible]	LAN3	[illegible]	[illegible]
		[illegible]	
		[illegible]	

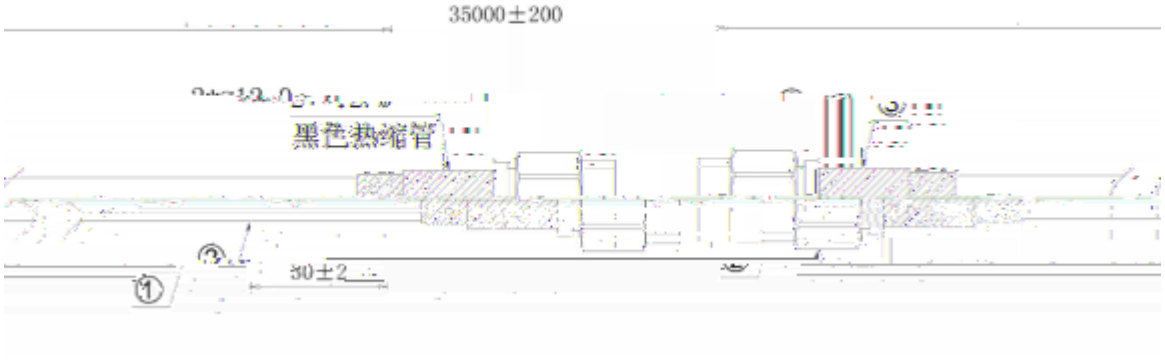
1.2.2.4 RG-APD-M(EA)ÊÕ

RG-APD-M(EA),´+eÈS+X DC F65

EÃe93Ö 44-57V

„ NÊeq 0.5A Ä48V Å

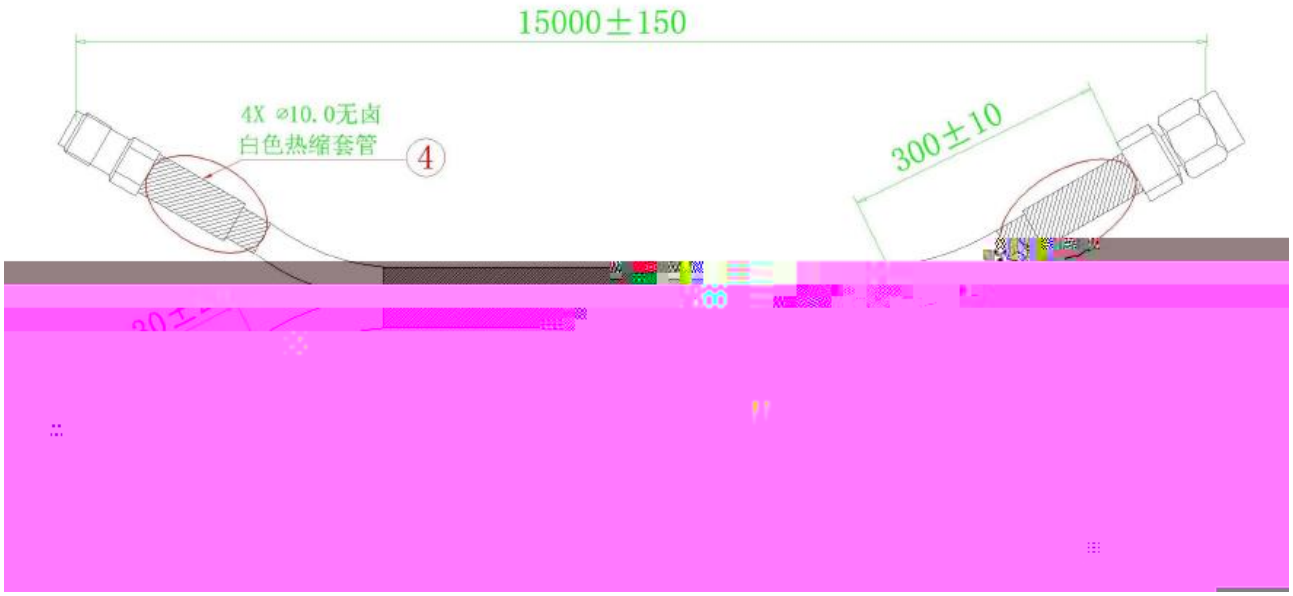
a PoE Ñk,%DG.+U,Ý ? PoE+



SMA-J

35

15 2£456F0



=E0 4p APD-M´ EAµ (Rn-1= Rn-2)Â4ñ*,º F0

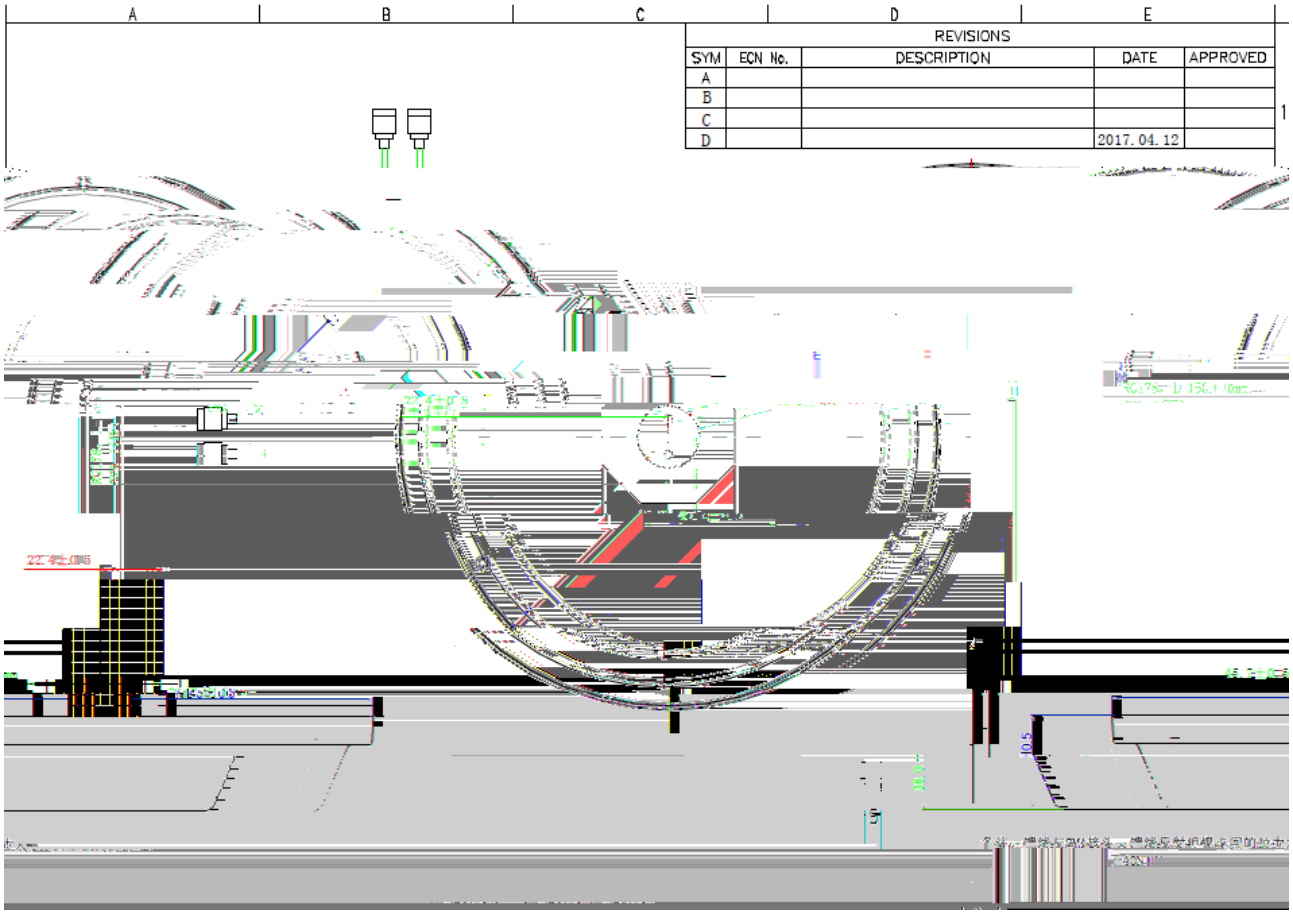
1.2.4 RG-IOA-2503-X5 Ž

1.2.4.1 Ž

ñ	RG-IOA-2503-X5
F0	6’
[ÂÅ	ž 145h 36
GÅ	0.14
Å dBiÅ	7dBi@2400-2500MHz 5dBi@5150-5850MHz
Õ	T W SMA !Å
MHzÅ	2400-2500MHz&5150-5850MHz
E	-10 ~+45

1.2.4.2 Ø

D RG



[redacted]

Gú	h52Y6c+a9NÇ	=M*Ç	

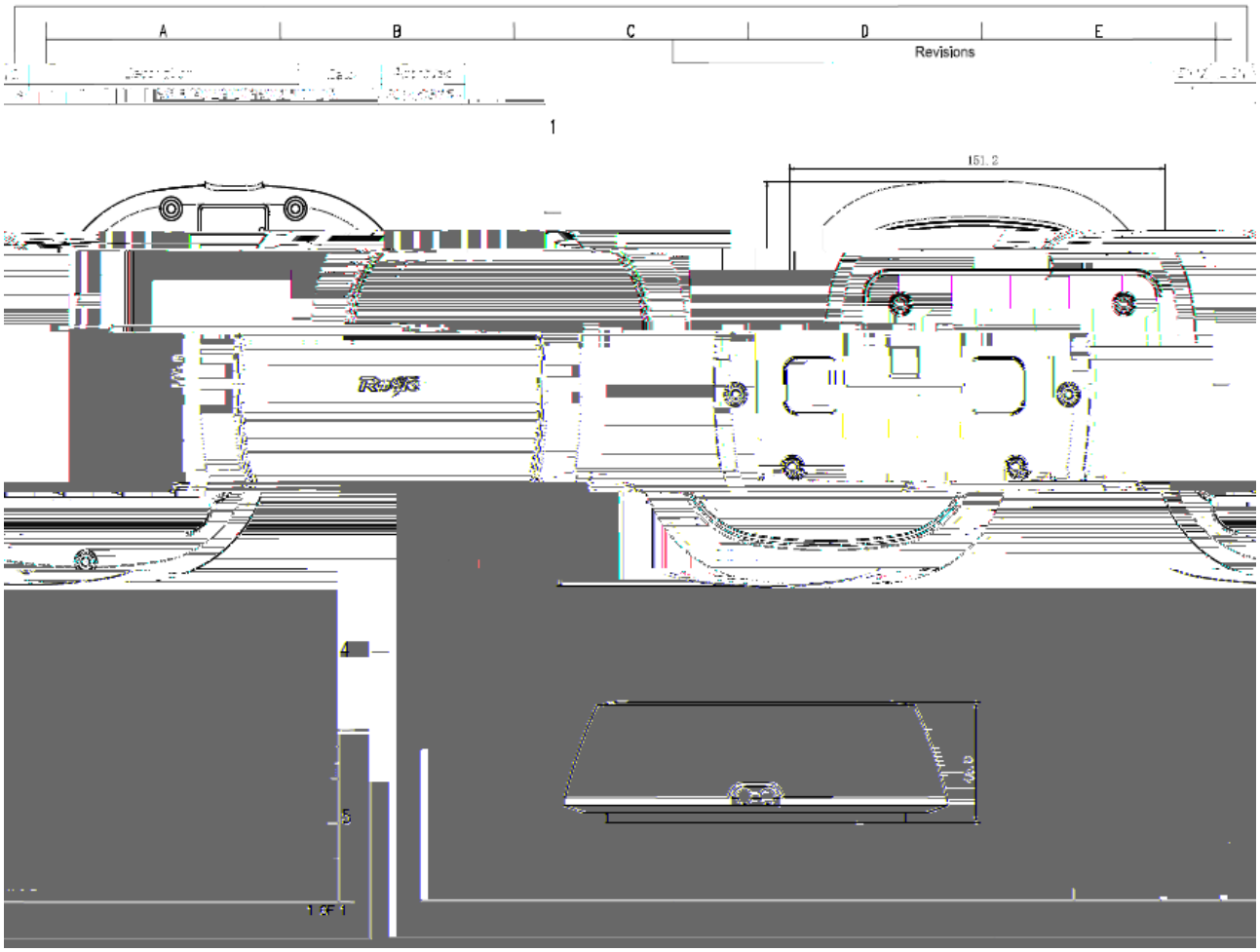
1.2.5 RG-IOA-2503-X6 Ž

1.2.5.1 Ž

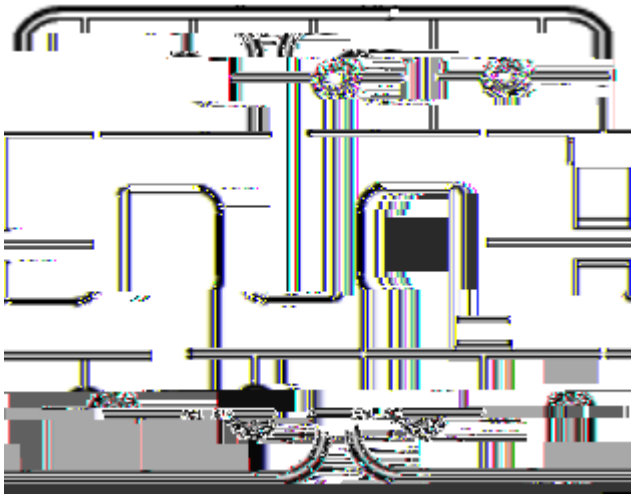
ñ	RG-IOA-2503-X6
F	é
ê	ñ
[Ä h ÈÅ	153h 151h 46
G Å	0.14
Ã dBiÅ	7dBi@2400-2500MHz 5dBi@5150-5850MHz
Õ	W SMA !Å
Ã MHzÅ	2400-2500MHz&5150-5850MHz
Ë	-10 ~+45

1.2.5.2 Ž

D RG-IOA-2503-X6 V1.00 5[2 Z ý W SMA ý Xjü
MÈ p/jÖ



X6 42æ



Gú	Ä 1Å ∓X 4 NÇM3*16mm ,=a76ÇÄ	¶ 6X30mmÅ2æÊÉ	
	Ä 2Å 2æ6HÈ5/M01	>6cm Èa4¶ X2æ9ÈÈ0N+%Ê	
	,0L$		

2 G[illegible]

2.1 G[illegible]

[illegible]

2.1.1 [illegible]

RG-AP4220 ¼ RG-APD-M(EA)[illegible] [illegible] 10cm [illegible]

[illegible]

2.1.2 [illegible]

[illegible]

[illegible]

[illegible]		[illegible]
[illegible]	[illegible]	

L&HFÈ7p4,ӧo)0Ð]p[,Ã(9UI,ÐOH,7&,61
FE0ÅbbЭD,F.ÃRFÃD1y,È RG-APD-M(EA)A7)FË §
L² ; >Ä

Ðƒ	₩ (mg/m3)	0W (mg/m3)
₩F.›	0.2	1.5
.FR	0.006	0.03
₩F^	0.04	0.15
XD	0.05	0.15
"D	0.01	0.3

2.1.4 å

A7X}835FGÈE6V8Õ6V8ÃÀ5Å
6V84ÃZAL)ÀA0Ð

- ê3+5j TN 3+5êÅG+X9Ä PEÅ(94+e ÀÈ7:%#eD7-9x,´ %L+e5Ä
- A7CÆF/j4+e4 ÑE4 QNÁV+eA7Ä
- ÅG+e.m,e56G+Xm+e56Ä
- Õe56PXÔ4FC4ÈbM+e× +O,E+eÅ+eA7Ä

2.1.5 EMI Ŀ

4,A7Ä35FGÈ8G-6V8È6V8ÀA1PA7
Ä

+e.jT2ÀP,È_+aPÝ,2Ä

ƒZ4,7-GJh_4NÁ-GJE0L$EÐ˜ &ÈjEÅ+5],0G6È
•½eDLÅÄ,× +O_jÀO[L$+e.4F+e56PÕ+e56pZ.
P`0ZÄ,4JA7,+eFJE%# fÀ7-A7],+DÈ
m9E₩LÕ

- ĒËe3+5G9x,Lb+e5Ú
- A7 Œ=2+eÄ7,Õ5ЬbMÕ58+Xm7--(DF0Å
- F/jk)44 ÈE4 QNÁV+eA7Ä
- NG+XM%em Ú Ä

2.2 GVĿ

K§	e Ã 0Ã6 ÃÑ	Ì

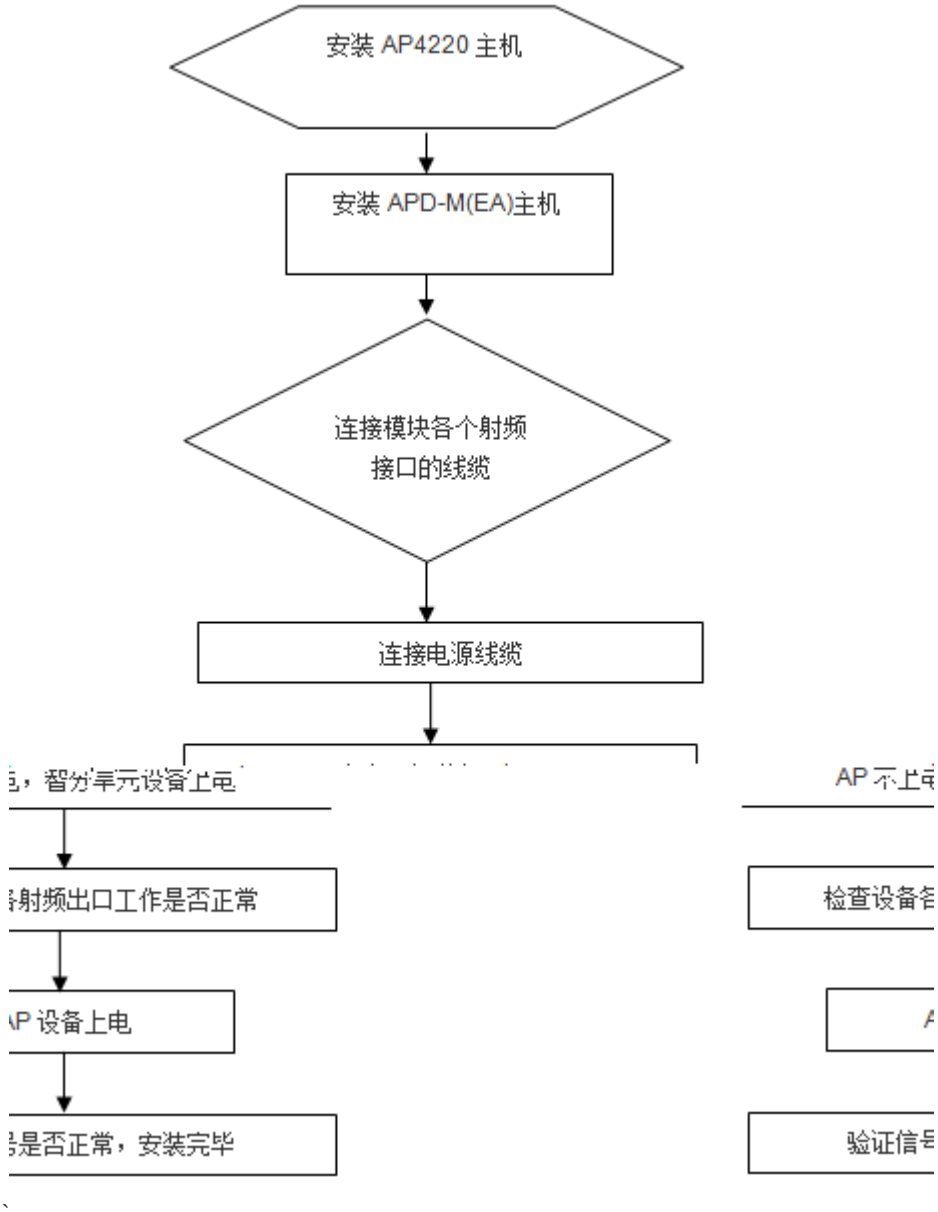
C+X§	LbM%e§
>˜	7+X>˜

@M6?m8 >µ>

3 CÉ

B-.Aí54ü¡B11bÂ,º ›.AÚbÂF&,º ¥(5%Cé

3.1 GW



3.2 G ø \

XB:AÔ

„ ¹>ð7-VËÈ0,ÑÈ¡JE* Ä

„ ¹>ð_V%CÃ7)Ä

„ ¹>ð_V'35ž+eÈ%Cã+eÄ

„ ¹>ð_V'35ž(55G}4Ä

„ _F9+X\Ëe F_ PoE Ëe È Ëe+eÀ 7-=7- Ë NÊeÃ

Ô

„ PoE Ëe

G+X PoE Ëe ¿&IÈxÈÈ7Õ,01§ 802.3af F 802.3at PoE Ëe7-Ê>65•156FÕ
A7,´ PoE Ä

1. AP4220ÊÔ#7-OË 802.3af 7Ëe

2. APD

F98F2d5Ê 3.1 ,>qÈA7>ã-(j5Ê>ã,Ãã
Q4ÈŠÄÊ]A7sØimÄ

ˆ0ˆ01Aê,º ,OB-.ã+k$E

B-.ˆêJ(0%M>

B-.4Aê,º ˆ5Ø/p&¥7>

G,aB¥

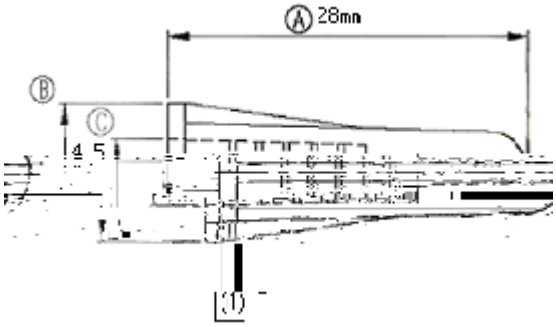
Aî1ÃÊ,Xg¢Ä

„ >ã1Ñê63j(Ö

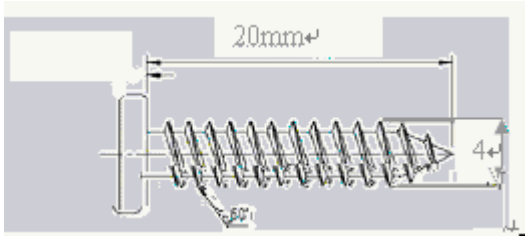
-$J7ÓÑ M7x 4.5x28 Ä mmÅ

=êÖ 4*20PABC Ä mmÅ

. 3-1 7ÓÑ?



. 3-2 =êj?



fÔ

„ ã?õ

1) xXÉ 4 Z$ 6mm ,>È$j 91h 65mm ,KÃ|@ÄB+Xgiˆ>ã1Ñê,
j(8>|TÝ0.ˆ>ã1Ñ-O5ÞÈ%ã1ÑXÉÈ=êˆ>6=êˆ3W*XÉÄ

2) 6>ã1Ñ>ã1Ñ>ÉUÄ

3) 62æX=êˆ*Ê XÄ&B2ÄÝÄ:>È/MFM /Ä

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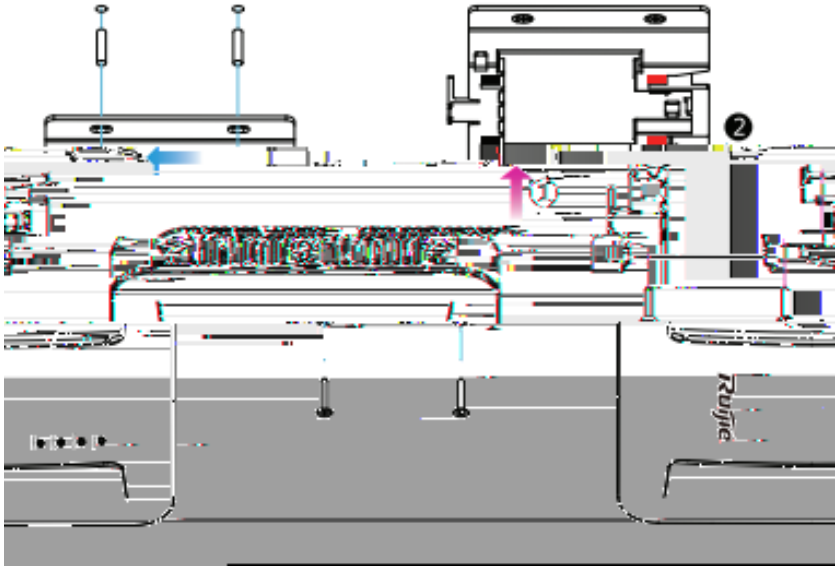
[illegible] 44.s(60 G[(5-12Jf375> G[(MC /P 23/Lang (en-US)/MCID 1( ) EM38/Ar5 0 0 2g011 44.424



4) 6A7Å M2'2a È>6A7'p2a>ÒÈkjØÈp/jÄ
&Å´ N87/j2aN87/jÄ(ÊÈ/A>Ä

5) K1j,N+Ù+Xgi%M0'8>ÊVC]K1dÄ>2K1È7ÅK1Ä2&K1AiG}Ä

8>¿¡N78p1ÄGS@¸B-5SALS /)>¿¡N8@,º ¿2ÇB
pŠB-5µÊ>p8Ÿ

B-¿Ô4ÿe>3]* 3]FVFqD:s>

tÔÐ

A74ÑÃÁ56F65COEÈÄ

A7:+e{>È7hÈ7/j&ÏhÐÊ **KIB !ÈXÄ 8ÈS**

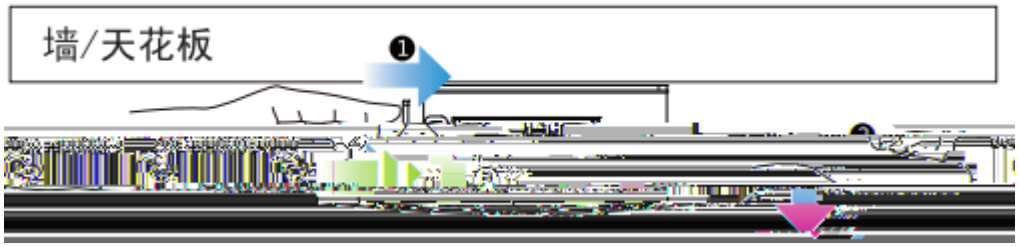
fÔ

AÏPÔ

1) Lb-K1 .Ä9Å

2) +X{7ÒÈkjÔ,&7a0Ä

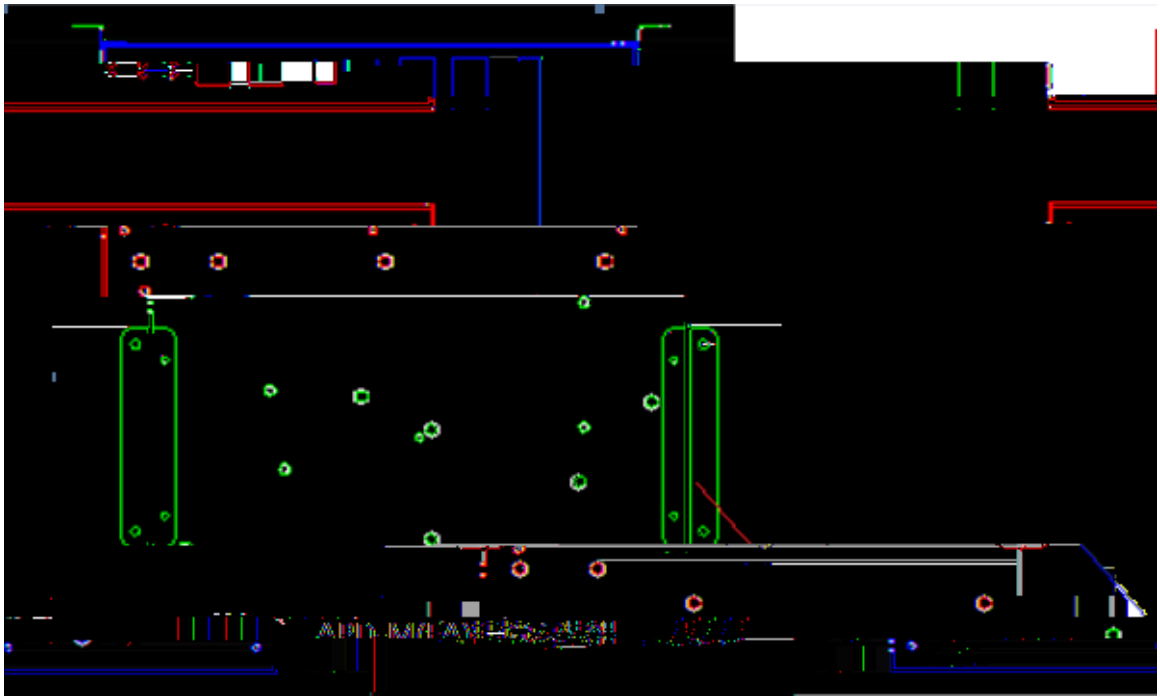
3) 6kjA7aÄÒ7a/2Ä



3.4 RG-APD-M(EA)G2

1) xX8ã 4 Z$ 6mm ,¹ÿÐ+Xgi²õ1ÚÚ¡(8>|TÏ0.²õ 1Ñ-
O5ÞÑ%ÕÑXÉÐ=ê¹>6=ê3W*XÉÃ

2) APD-M(EA)¯X=ê6 APD-M(EA)2ÉÕÕÈÕ5ÞÑ/jÖ



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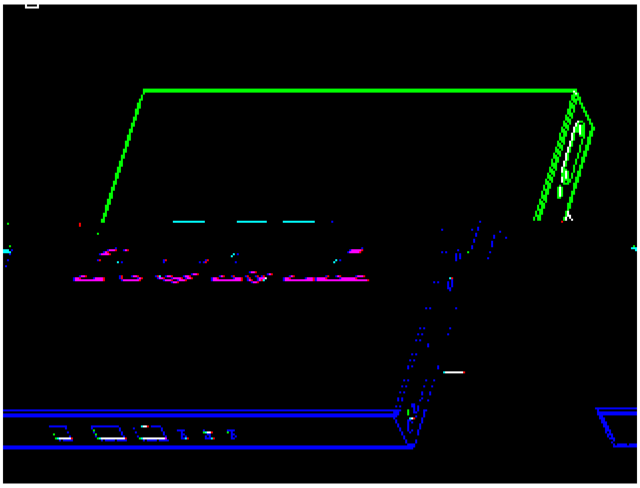

6˃ã,æX=ä6ˆÊÊ8ã

3.5 Gl6•

X6 5 6 5 Ê 6ÑÊ XA 6[1ˆX,AØZD ÃW

4 G[illegible]

4.1 [illegible]

[illegible]

„ PoE [illegible] 802.11af [illegible] FFJ[illegible]

„ DC [illegible]

[illegible] SSID [illegible] SSID

1) [illegible] AP [illegible]

	DÕ_Vh×Ã (1eÅ	Rn-1 K.D_VhM02.ÊÿhF>Ÿ	Ÿ7/j&#Ÿ7/jK.D,´	
„	9 Rn &ÿ/jj5/È7j4NÃ	Rn-1 ¼ Rn-2Ô4FõÞ	APD-M(EA),Ëÿ&F>¦Cš	