

**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33**

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>	
210	RNAV (GPS) RWY 5	1A	MADISONVILLE	KY	
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>MAG VAR</u>	<u>EPOCH YEAR</u>
439	439	RNAV (GPS) RWY 5	05/25/2017	3W	2010
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>	
RNAV			ROUTINE		

TAA

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>ALTITUDE</u>
1. 324/30 CW 144/30	NOPT	324/11 CW 144/11		2700
2. 324/11 CW 144/11		CELES	IF/IAF	2600
3. 144/30 CW 324/30		CELES	IF/IAF	2600

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
CELES	IF/IAF	DEEPE		TF	FB	1.00	054.38	6.05	2200
DEEPE	FAF	RW05	MAP	TF	FO	0.30	054.44	5.36	
RW05	MAP	689 MSL		CA			054.44		
689 MSL		LOREE		DF	FO	1.00			2600

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW05

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2600 DIRECT LOREE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1.	PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)									
2.	HOLD SW CELES, RT, 054.38 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.														
3.	FAC:	054.44	FAF:	DEEPE	DIST FAF TO MAP:	5.36	DIST FAF TO THLD:	5.36							
4.	MIN ALT:	CELES 2600, DEEPE 2200													
5.	DIST TO THLD FROM OM:		MM:		IM:		150 HAT:		250 HAT:	0.62	GS ANT:				
6.	MIN GP INCPT:	2200	GP ALT AT PFAF:	DEEPE 2200					OM:		MM:		IM:		
7.	GP ANGLE:	3.00	34:1:	IS NOT CLEAR	20:1:	IS CLEAR	TCH:	53.0							
8.	MSA FROM:														

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING EVV ALTIMETER SETTING.
CHART NOTE: RWY 05 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVV ALTIMETER SETTING AND INCREASE LPV DA TO 788 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 818 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.

ADDITIONAL FLIGHT DATA:

HOLD NE, RT, 234.61 INBOUND.
FAS OBST: 730 AAO 371756N/0872844W.
CHART 878 TOWER (21-001182) 371653N/0872917W.
CHART VDP AT 1.53 NM TO RW05.
WAAS CHANNEL # 82512
REFERENCE PATH ID: W05A
CHART CIRCLING ICON.
LTP HAE: 103.6 M

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 1000-3, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	689	3/4	250	689	3/4	250	689	3/4	250	689	3/4	250			
LNAV/VNAV DA	719	7/8	280	719	7/8	280	719	7/8	280	719	7/8	280			
LNAV MDA	980	1	541	980	1	541	980	1 5/8	541	980	1 5/8	541			
CIRCLING	980	1	541	980	1	541	980	1 5/8	541	1340	3	901			



CHANGES - REASONS

1. INCORPORATED PERIODIC REVIEW FINDINGS – IAW 8260.19J, 8-3-4 (B) AND ABBREVIATED AMENDMENT SOP.
2. DELETED NOTE: DME/DME RNP-0.3 NA. - APPLIED NEW PBN REQUIREMENTS NOTE WITH SENSOR.
3. ADDED PBN REQUIREMENTS NOTE: RNP APCH-GPS – IAW 8260.19J, 8-6-8 AND 8260.58C, TABLE 1-2-1.
4. CHANGED NOTE FROM: “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C (5°F) OR ABOVE 54°C (130°F).” TO “FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15°C OR ABOVE 54°C.” – IAW 8260.19J, 8-6-10 (R) AND 8-7-1 (C)(10).
5. CHANGED NOTE FROM: “BARO-VNAV AND VDP NA WHEN USING EVANSVILLE ALTIMETER SETTING.” TO “BARO-VNAV AND VDP NA WHEN USING EVV ALTIMETER SETTING.” – IAW F8260.19J, 8-6-10, E (8).
6. CHANGED NOTE FROM: CHART NOTE: “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVANSVILLE ALTIMETER SETTING AND INCREASE LPV DA TO 788 FEET, LNAV/VNAV DA TO 817 FEET AND ALL VISIBILITIES 3/8 SM. INCREASE ALL MDA 100 FEET AND LNAV CAT C/D AND CIRCLING CAT C VISIBILITY 1/4 SM.” TO “WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE EVV ALTIMETER SETTING AND INCREASE LPV DA TO 788 FEET AND ALL VISIBILITIES 1/4 SM; INCREASE LNAV/VNAV DA TO 818 FEET AND ALL VISIBILITIES 1/8 SM; INCREASE ALL MDAS 100 FEET AND LNAV VISIBILITY CAT C/D 1/4 SM, AND CIRCLING VISIBILITY CAT C 1/4 SM.” – IAW 8260.19J, 8-6-12 N (1)(A)(3).
7. DELETED PROFILE NOTE *LNAV ONLY AND ASSOCIATED ASTERISK AT VDP 1.5 NM TO RW05. – IAW 8260.19J, 8-6-10, A (2).
8. DELETED PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE 3.00/TCH 36) -PER 28 DAY REVIEW #25988 AND AIRNAV RWY 05 VGSI UPDATE DATA.
9. CHANGED PROFILE (LINE 2) FROM “HOLD SW CELES, RT, 054.38 INBOUND, 2600 FT. IN LIEU OF PT (IAF)” TO “HOLD SW CELES, RT, 054.38 INBOUND, 2600 FT. IN LIEU OF PT (IAF), MAX 6000.” – IAW 8260.19J, 8-6-7, B (2).
10. CHANGED ADDITIONAL FLIGHT DATA FAS OBSTACLE FROM: “709 AAO 371900N/0872737W” TO “FAS OBST: 730 AAO 371756N/0872844W.” – NEW LNAV FINAL CONTROLLING OBSTACLE.
11. ADDED 20:1 IS CLEAR AND TCH 53.0 TO LINE 7 – IAW 8260.19J, 8-6-7 (G)(2) AND (3)(A).
12. INCREASED LNAV/VNAV DA/HAT FROM 718/279 TO 719/280. – MITIGATE MISSED APPROACH SECTION 1 FLAT SURFACE PENETRATION.
13. INCREASED LNAV MDA/HAT FROM 960/521 TO 980/541 – NEW CONTROLLING OBSTACLE.
14. INCREASED CIRCLING CATS A/B/C MDA/HAA FROM 960/521 TO 980/541 – IN CONJUNCTION WITH STRAIGHT-IN LNAV MINIMUM INCREASE.
15. INCREASED VISIBILITY FOR LNAV CAT C AND D AND CIRCLING CAT C FROM 1 1/2 TO 1 5/8. - IAW 8260.3E, CHG. 1, SECTION 3-3, TABLE 3-3-1 AND PARA 3-3-3 (D).
16. CHANGED ADDITIONAL FLIGHT DATA NOTE: FROM “VDP AT 1.49 NM TO RW05” TO “VDP AT 1.53 NM TO RW05” - IN CONJUNCTION WITH LNAV MDA INCREASE AND IAW 8260.19J, FORMULA 2-6-5.

COORDINATED WITH:

A4A

ALPA

X

AOPA

X

APA

HAI

NBAA

X

OTHER: AMGR, ZID, ZME, EVV APP CON

Digitally signed by

FLIGHT CHECKED BY

DAVID DANNER

OFFICE

DATE

NATHAN J CHOTT

Dec 05, 2024

AJF

12/03/2024

DEVELOPED BY

Digitally signed by

ANDRE L MARSH

OFFICE

DATE

ANDRE MARSH

Aug 22, 2024

AJV-A421

08/08/2024

APPROVED BY

Digitally signed by

DAVID DANNER

OFFICE

DATE

TITLE

CASIMIR L. TABAKA

Dec 05, 2024

AJV-A420

MANAGER



AIRPORT ID
210

PROCEDURE NAME
RNAV (GPS) RWY 5

ORIGINAL/AMENDMENT
1A

CITY
MADISONVILLE

STATE
KY

FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	210
RUNWAY	RW05
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W05A
LTP/FTP LATITUDE	372102.7300N
LTP/FTP LONGITUDE	0872422.9200W
LTP/FTP ELLIPSOIDAL HEIGHT	+01036
FPAP LATITUDE	372158.2670N
FPAP LONGITUDE	0872255.4620W
THRESHOLD CROSSING HEIGHT (TCH)	00053.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0912
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0

CRC REMAINDER	FE984237
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K5
LTP ORTHOMETRIC HEIGHT	+01338
FPAP ORTHOMETRIC HEIGHT	+01338



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD**

<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
210	RNAV (GPS) RWY 5	1A	MADISONVILLE	KY	439	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

FROM 324/30 CW 144/30 **TO** 324/11 CW 144/11

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1. TOWER (21-000549)	365701.00N/0874022.00W	1614	500	50	5D	1000					2700
2. TERRAIN	365521.00N/0872021.00W	857 (900)								AS1500	2400

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

STRAIGHT-IN AREA

FROM 324/11 CW 144/11 **TO** CELES

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>			<u>HAT</u>			<u>HMAS</u>		
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3. TOWER (21-000214)	371125.00N/0873047.00W	1549	250	50	4D	1000					2600
4. TERRAIN	370233.00N/0874045.00W	788 (800)								AS1500	2300

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



STRAIGHT-IN AREA

FROM

144/30 CW 324/30

TO

CELES

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3. TOWER (21-000214)	371125.00N/0873047.00W	1549	250	50	4D	1000					2600
5. TERRAIN	365457.00N/0870857.00W	870 (900)								AS1500	2400

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

INTERMEDIATE

FROM

CELES (IF/IAF)

TO

DEEPE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
1.00	6.05										
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
6. AAO	371342.44N/0873226.83W	929	50	20	2C	500					1500
7. TERRAIN	371333.00N/0873221.00W	699 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LPV

FROM

DEEPE

TO

RW05

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>	<u>HMAS</u>						
0.30	5.36		DA	250							
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
8. TREE	(K210T058)	372100.20N/0872435.41W	520	50	20	2C		34:1		AC20	689

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV/VNAV

FROM

DEEPE

TO

RW05

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.36		DA				280				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9. TREE (21-062555)	372110.28N/0872448.64W	558	20	3	1A	161					719

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LNAV

FROM

DEEPE

TO

RW05

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
0.30	5.36		RW05				541				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
10. AAO	371755.99N/0872844.26W	730	50	20	2C	250					980

COMPUTATIONS

ALT KIAS KTAS HAA VKTW TR BA DTA COURSE CHANGE DVEB VEB OCS RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



HOLD-IN-LIEU OF PT

FROM

CELES

TO

P-5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-5	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u>			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3. TOWER (21-000214)	371125.00N/0873047.00W	1549	250	50	4D	1000					2600
11. TERRAIN	370615.00N/0874157.00W	719 (700)								AS1500	2200

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LPV

FROM

DA

TO

LOREE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>				<u>HAT</u>	<u>HMAS</u> 500			
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
12. AAO	372721.81N/0871026.90W	789	50	20	2C	1000					1800
13. TERRAIN	372721.81N/0871026.90W	589 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV/VNAV

FROM

DA

TO

LOREE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 558				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
12. AAO	372721.81N/0871026.90W	789	50	20	2C	1000					1800
13. TERRAIN	372721.81N/0871026.90W	589 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

MISSED APPROACH: LNAV

FROM

RW05

TO

LOREE

<u>RNP</u> 0.30-1.00	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 880				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2600
12. AAO	372721.81N/0871026.90W	789	50	20	2C	1000					1800
13. TERRAIN	372721.81N/0871026.90W	589 (600)								AS1500	2100

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



AIRPORT ID

210

PROCEDURE NAME

RNAV (GPS) RWY 5

AMDT NO.

1A

CITY

MADISONVILLE

STATE

KY

AIRPORT ELEVATION

439

FACILITY

RNAV

CIRCLING

☐ ALL CATS

☒ CAT A

☒ CAT B

☒ CAT C

☒ CAT D

☐ CAT E

☐ NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
14. TREE	372109.00N/0872427.00W	1.30	541	573	215	8	4B	300		SI	980
CATEGORY B											
15. TREE	371951.00N/0872327.00W	1.82	541	580	215	8	4B	300		SI	980
CATEGORY C											
16. TREE	372245.00N/0872709.00W	2.86	541	632	215	8	4B	300		SI	980
CATEGORY D											
17. TOWER (21-001154)	372251.00N/0872804.00W	3.74	901	973	500	50	5D	300		AC50	1340

CIRCLING REMARKS:

MSA/ESA

CENTER

RADIUS

REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

100 FT VEGETATION USED IN VICINITY OF AIRPORT

STANDARD "T" OR "Y" NOT USED PER FPT

LPV SURFACE: 34:1
LNAV/VNAV SURFACE: 23.35:1

TCH 53 FT USED IN DEVELOPMENT TO MITIGATE GQS PENETRATION:
495 TREE (K210T043) 372054.89N/0872439.64W (23.41)

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH

EVV APP CON, ZID ARTCC, LOU FSS

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
AWOS-3	210	24	210	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	EVV	24	EVV	41.46	Y	99

WX REMARKS:

RASS PRESSURE PATTERNS THE SAME
K210 439.0, KEVV 418
RA = 98.2.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
APPROACH AND RUNWAY LIGHTING SYSTEM		RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW05 - REIL (PCL), HIRL (PCL), PAPI-4R (PCL)		NPI-F	
RW23 - ODALS (PCL), HIRL (PCL), PAPI-4L (PCL)		NPI-F	

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
3.00	439.1	53.0			3.00	51.7

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	☒	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	☒	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
-15C (+5F)	+54C (+130F)	-15C	-29.13C

CRITICAL TEMPERATURE REMARKS:

AVERAGE COLD TEMPERATURE DERIVED FROM STANDARD -30C ISA DEVIATION.
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 960 HIGH TEMP 1120.

"VISUAL PORTION OF FINAL" PENETRATIONS

FINAL TYPE	LPV, LNAV/VNAV AND LNAV
34:1	
495 TREE (21-023703) 372054.8900N/0872439.6400W (16.19)	485 TREE (21-023647) 372052.9000N/0872432.8000W (15.22)
496 TREE (21-023704) 372054.1100N/0872440.5700W (14.02)	484 TREE (21-062277) 372053.1000N/0872433.5600W (13.18)
486 TREE (21-024658) 372052.2900N/0872433.8800W (13.08)	488 TREE (21-023702) 372054.7100N/0872437.8800W (12.13)
495 TREE (21-023735) 372052.0900N/0872439.2000W (11.82)	485 TREE (21-023650) 372053.4000N/0872436.0400W (10.12)



<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
210	RNAV (GPS) RWY 5	1A	MADISONVILLE	KY	439	RNAV
479 TREE (21-062370) 372052.7300N/0872432.2300W (9.96)			481 TREE (21-023645) 372051.3000N/0872433.5000W (6.95)			
481 TRANSMISSION_LINE (21-020657) 372056.4500N/0872438.8200W (6.61)			481 POLE (21-023734) 372056.4500N/0872438.8200W (6.61)			
480 POLE (21-062098) 372056.1600N/0872438.3100W (6.02)			482 TREE (21-061940) 372055.3200N/0872439.4500W (4.34)			
477 POLE (21-062318) 372055.6000N/0872437.4200W (3.63)			481 TREE (21-023705) 372055.7500N/0872440.5100W (2.17)			
<u>PENETRATIONS REMARKS:</u>						

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

<u>PENETRATIONS REMARKS:</u>

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
SEE ATTACHED AIRSPACE LETTER.
ORDER 8260.3 CHAPTER 2 APPLIED TO 878 TOWER (21-001182) 371653.00N/0872917.00W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

PART D: AIRSPACE

DOCKET #
ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.17
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	051.44
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	463
DISTANCE FROM		TO 1500FT POINT	4.96
WIDTH OF		SEGMENT AT 1500FT POINT	1.76
TRUE COURSE OF		SEGMENT CONTAINING 1500FT POINT	051.44
HIGH TERRAIN IN		SEGMENT CONTAINING 1500FT POINT	463

THRESHOLD COORDINATES (IF STR-IN) 372102.71N/0872422.91W
ARP COORDINATES 372121.34N/0872353.59W
RUNWAY APCH END AND DIST FURTHEST FROM ARP RUNWAY 5 DISTANCE 0.50 NM
FAF COORDINATES 371741.98N/0872938.52W
FIX NAME COORDINATES

REMARKS
CELES: 371355.41N/0873533.72W TAA, 30NM RADIUS.
AIRSPACE LETTER TRANSCRIBED AS DOCUMENTED.



<u>AIRPORT ID</u> 210	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 5	<u>AMDT NO.</u> 1A	<u>CITY</u> MADISONVILLE	<u>STATE</u> KY	<u>AIRPORT ELEVATION</u> 439	<u>FACILITY</u> RNAV
PART E: PREPARED BY						
<u>NAME</u> ANDRE MARSH			<u>OFFICE</u> AJV-A421	<u>DATE</u> 08/08/2024	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST	

