

**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> KMEM	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2E	<u>CITY</u> MEMPHIS	<u>STATE</u> TN		
<u>AIRPORT ELEVATION</u> 341	<u>TDZE</u> 292	<u>SUPERSEDED</u> RNAV (GPS) RWY 27	<u>ORIGINAL/AMENDMENT</u> 2D	<u>DATED</u> 03/29/2018	<u>MAG VAR</u> 1W	<u>EPOCH YEAR</u> 2020
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 NOVEMBER 2023	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 183/30 CW 003/30	NOPT	GRIIT	IF/IAF	3000
2. 003/30 CW 183/30		GRIIT	IF/IAF	3000

**TERMINAL ROUTES**

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
GRIIT	IF/IAF	GRNND		TF	FB	1.00	273.10	6.04	1900
GRNND	FAF	RW27	MAP	TF	FO	0.30	273.03	4.88	
RW27	MAP	492 MSL		CA			273.03		
492 MSL		AVADE		DF	FB	1.00			
AVADE		GOWRI		TF	FO	1.00	278.65	15.33	5000

**MISSED APPROACH**

**MAP:**

LPV: DA  
LNAV/VNAV: DA  
LNAV: RW27

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 5000 DIRECT AVADE AND ON TRACK 278.65 TO GOWRI AND HOLD, CONTINUE CLIMB-IN-HOLD TO 5000.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT                      SIDE OF COURSE                      OUTBOUND                      FT WITHIN                      MILES OF                      (IAF)

2. HOLD E GRIIT, RT, 273.10 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 273.03                      FAF: GRNND                      DIST FAF TO MAP: 4.88                      DIST FAF TO THLD: 4.88

4. MIN ALT:                      GRIIT 3000, GRNND 1900

5. DIST TO THLD FROM OM:                      MM:                      IM:                      150 HAT:                      200 HAT: 0.46                      GS ANT:

6. MIN GP INCPT: 1900                      GP ALT AT PFAF : GRNND 1900                      OM:                      MM:                      IM:

7. GP ANGLE: 3.00                      34:1: IS CLEAR                      20:1: IS CLEAR                      TCH: 53.5

8. MSA FROM:

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9°C OR ABOVE 54°C.  
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).  
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C AND D VISIBILITY TO 1 3/8 SM.  
CHART NOTE: \*\*RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.  
HOLD E, RT, 287.00 INBOUND.  
FAS OBST: 549 AAO 350300N/0895218W.  
CHART 647 TOWER 350425N/0895127W.  
CHART VDP AT 1.38 NM TO RW27.  
WAAS CHANNEL # 93607  
REFERENCE PATH ID: W27A  
LTP HAE: 61.5 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4

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**	492	2400	200	492	2400	200	492	2400	200	492	2400	200			
LNAV/VNAV DA	745	5000	453	745	5000	453	745	5000	453	745	5000	453			
LNAV MDA	800	2400	508	800	2400	508	800	5500	508	800	5500	508			
CIRCLING	940	1	599	940	1	599	940	1 1/2	599	1020	2 1/4	679			



**CHANGES - REASONS**

1. CHANGED ALL REFERENCES FROM INT COVIM TO INT GRIIT AND FROM INT CLBRN TO INT GRNND. - INT NAMES CHANGED PER ATC REQUEST.
2. ADDED "MAX 6000" TO LINE 2 - 8260.19I 8-6-7.B.
3. ADDED "20:1: IS CLEAR" TO LINE 7 - 8260.19I 8-6-7.G.
4. CHANGED NOTE FROM "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9C (16F) OR ABOVE 54C (130F)" TO "FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -9C OR ABOVE 54C" - 8260.19I 8-6-9.R.
5. REMOVED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED PBN REQUIREMENTS NOTE "RNP APCH - GPS" - 8260.19I 8-6-8.B.
6. REMOVED "LNAV ONLY" AND ASSOCIATED ASTERISK FROM VDP DESCRIPTION IN ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED BY CRITERIA.
7. CRC REMAINDER CHANGED FROM 0C034705 TO 45216CD9 - ELLIPSOIDAL HEIGHT CHANGED FROM +00616 TO +00615.

**COORDINATED WITH:**

**A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☒ **HAI** ☐ **NBAA** ☒ **OTHER:** ZME ARTCC, MEM ATCT/APP CON, MEM AMGR

**FLIGHT CHECKED BY**

JEFFREY ECKMAN

*Digitally signed by*

**JOHN BORDY**

Sep 15, 2023

**OFFICE**

FPO

**DATE**

09/13/2023

**DEVELOPED BY**

ERIC N SUSKI (BRYANT SMITH)

*Digitally signed by*

**JOHN BORDY**

Sep 15, 2023

**OFFICE**

AJV-A431

**DATE**

09/15/2023

**APPROVED BY**

JOHN BORDY

*Digitally signed by*

**JOHN BORDY**

Sep 15, 2023

**OFFICE**

AJV-A33

**DATE**

09/15/2023

**TITLE**

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KMEM
RUNWAY	RW27
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W27A
LTP/FTP LATITUDE	350328.0125N
LTP/FTP LONGITUDE	0895721.0815W
LTP/FTP ELLIPSOIDAL HEIGHT	+00615
FPAP LATITUDE	350331.0600N
FPAP LONGITUDE	0895909.5500W
THRESHOLD CROSSING HEIGHT (TCH)	00053.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0024
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	45216CD9

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00890
FPAP ORTHOMETRIC HEIGHT	+00890

