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STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

SID

NAGASAKI FIVE DEPARTURE

RWY 03 : Climb RWY HDG to 1300FT, turn right HDG128°...

RWY 21 : Climb RWY HDG to 1300FT, turn left HDG038°...

...to intercept and proceed via FUE R083/OLE R263 to OLE VOR/DME.

IKI SIX DEPARTURE

RWY 03 : Climb RWY HDG to 900FT, turn right...

RWY 21 : Climb RWY HDG to 1300FT, turn left HDG359°...

...to intercept and proceed via FUE R044/IKE R224 to IKE VOR/DME

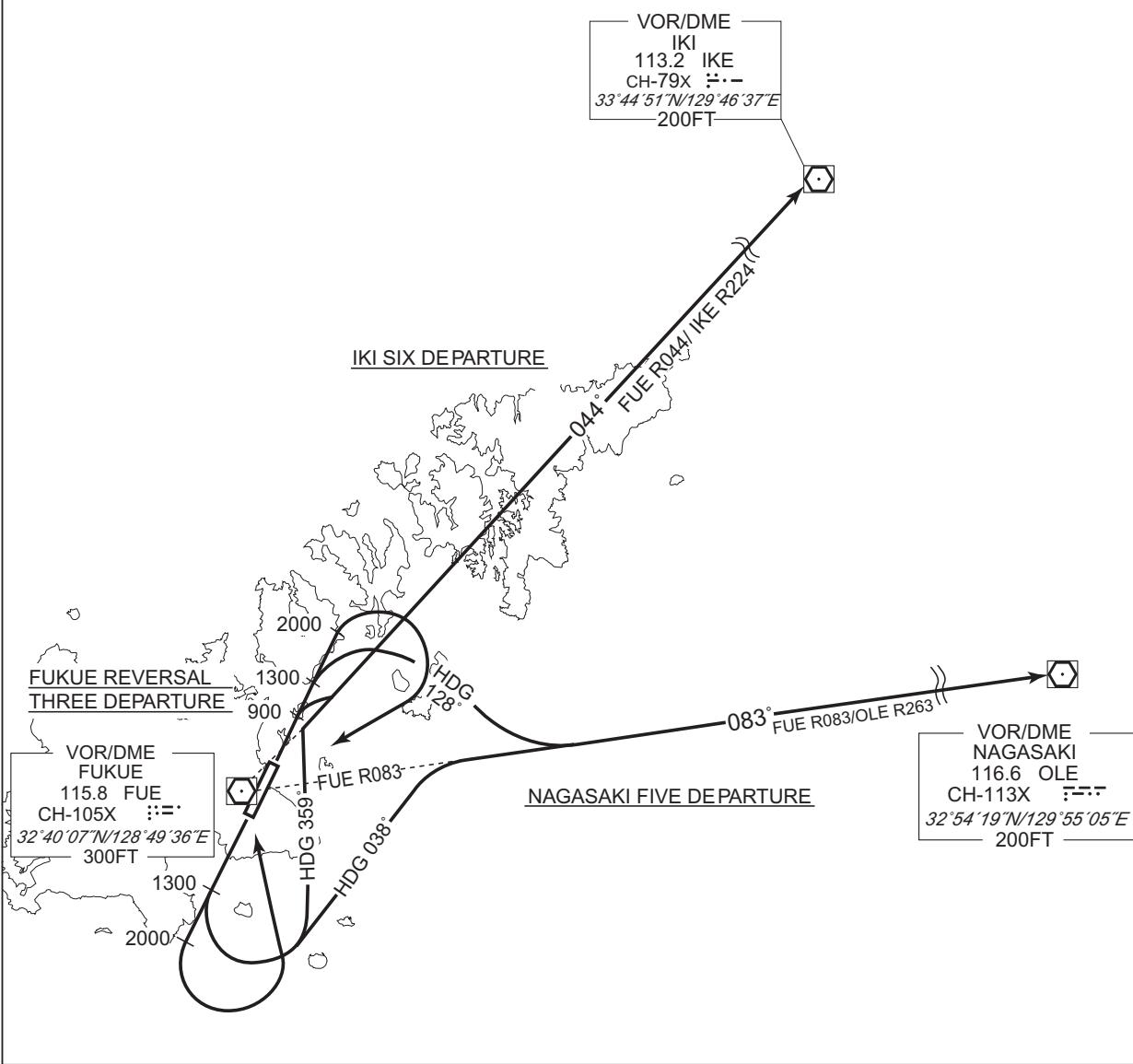
FUKUE REVERSAL THREE DEPARTURE

RWY 03 : Climb RWY HDG to 2000FT, turn right...

RWY 21 : Climb RWY HDG to 2000FT, turn left...

...direct to FUE VOR/DME.

CHANGE : PROC renamed(NAGASAKI FIVE DEPARTURE, IKI SIX DEPARTURE, FUKUE REVERSAL THREE DEPARTURE). PROC course.



## STANDARD DEPARTURE CHART - INSTRUMENT

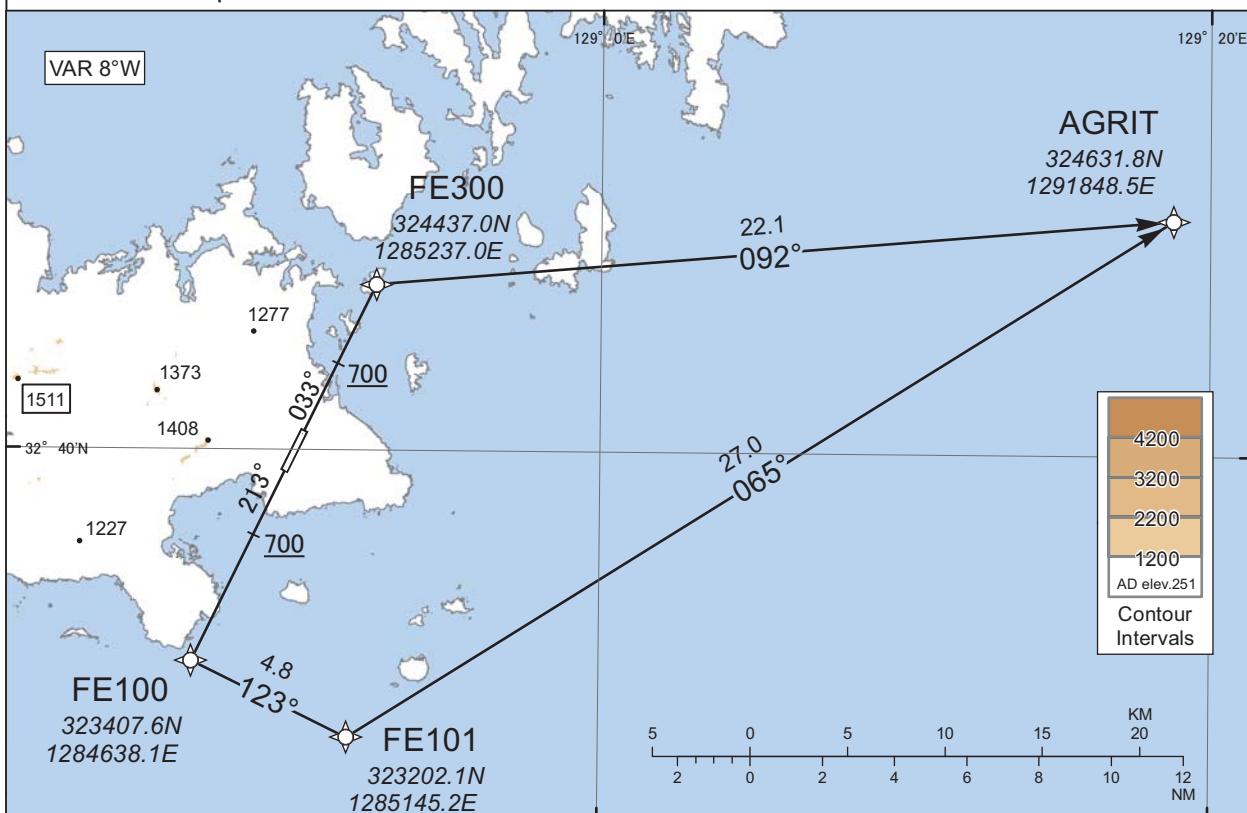
RJFE / FUKUE

RNAV SID

## AGRIT ONE DEPARTURE

RNP1

Note GNSS required.



RWY03 : Climb on HDG033° at or above 700FT, direct to FE300, to AGRIT.

RWY21 : Climb on HDG213° at or above 700FT, direct to FE100, to FE101, to AGRIT.

## RWY03

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	033 (025.6)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE300	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	AGRIT	-	092 (084.9)	-7.5	22.1	-	-	-	-	RNP1

## RWY21

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	213 (205.7)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE100	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	FE101	-	123 (115.8)	-7.5	4.8	-	-	-	-	RNP1
004	TF	AGRIT	-	065 (057.4)	-7.5	27.0	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1→RNP1)

STANDARD DEPARTURE CHART - INSTRUMENT

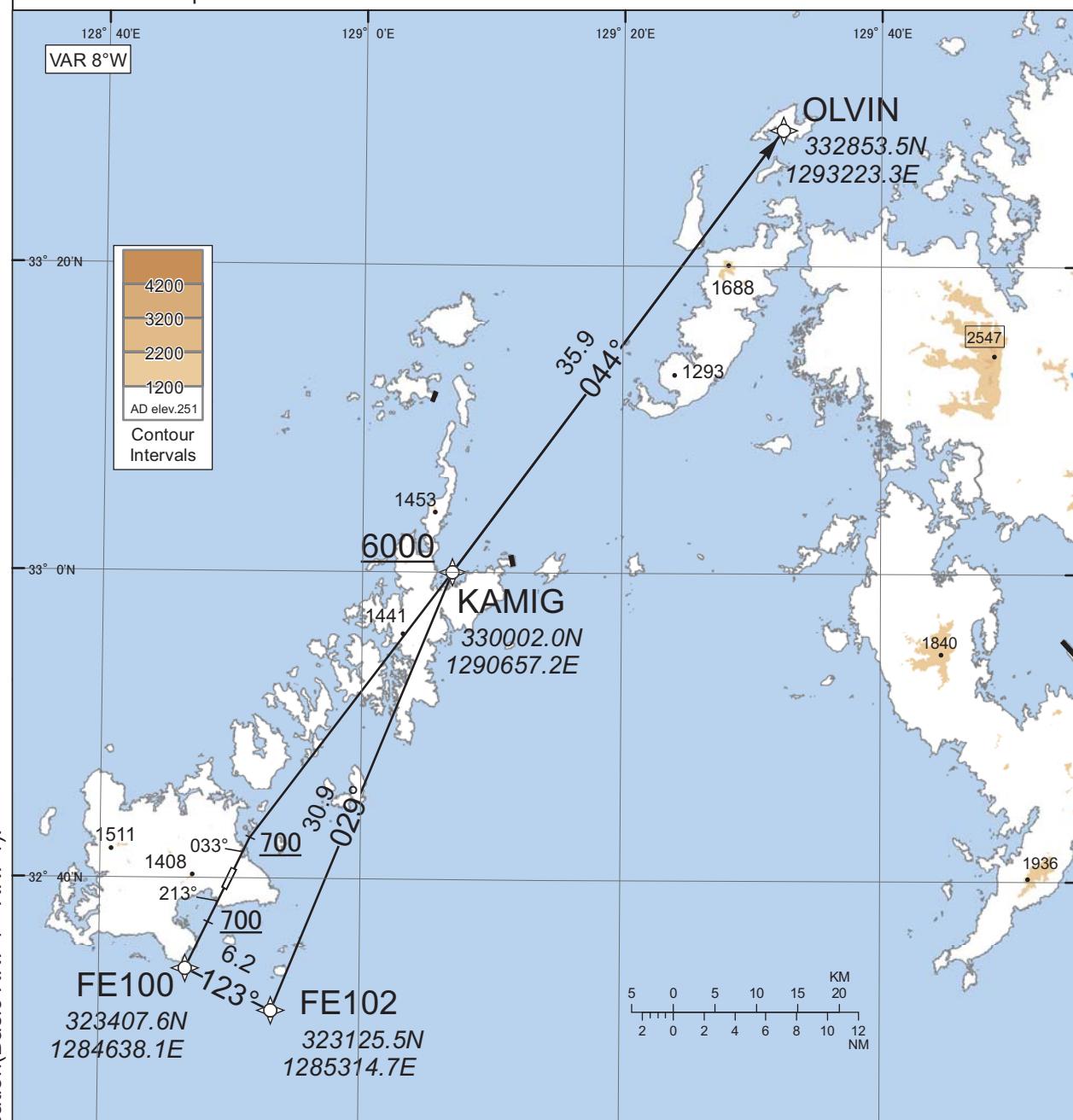
RJFE / FUKUE

RNAV SID

OLVIN ONE DEPARTURE

RNP1

Note GNSS required.



RWY03 : Climb on HDG033° at or above 700FT, direct to KAMIG at or above 6000FT, to OLVIN.  
 RWY21 : Climb on HDG213° at or above 700FT, direct to FE100, to FE102, to KAMIG at or above 6000FT, to OLVIN.

## STANDARD DEPARTURE CHART - INSTRUMENT

RJFE / FUKUE

RNAV SID

OLVIN ONE DEPARTURE

## RWY03

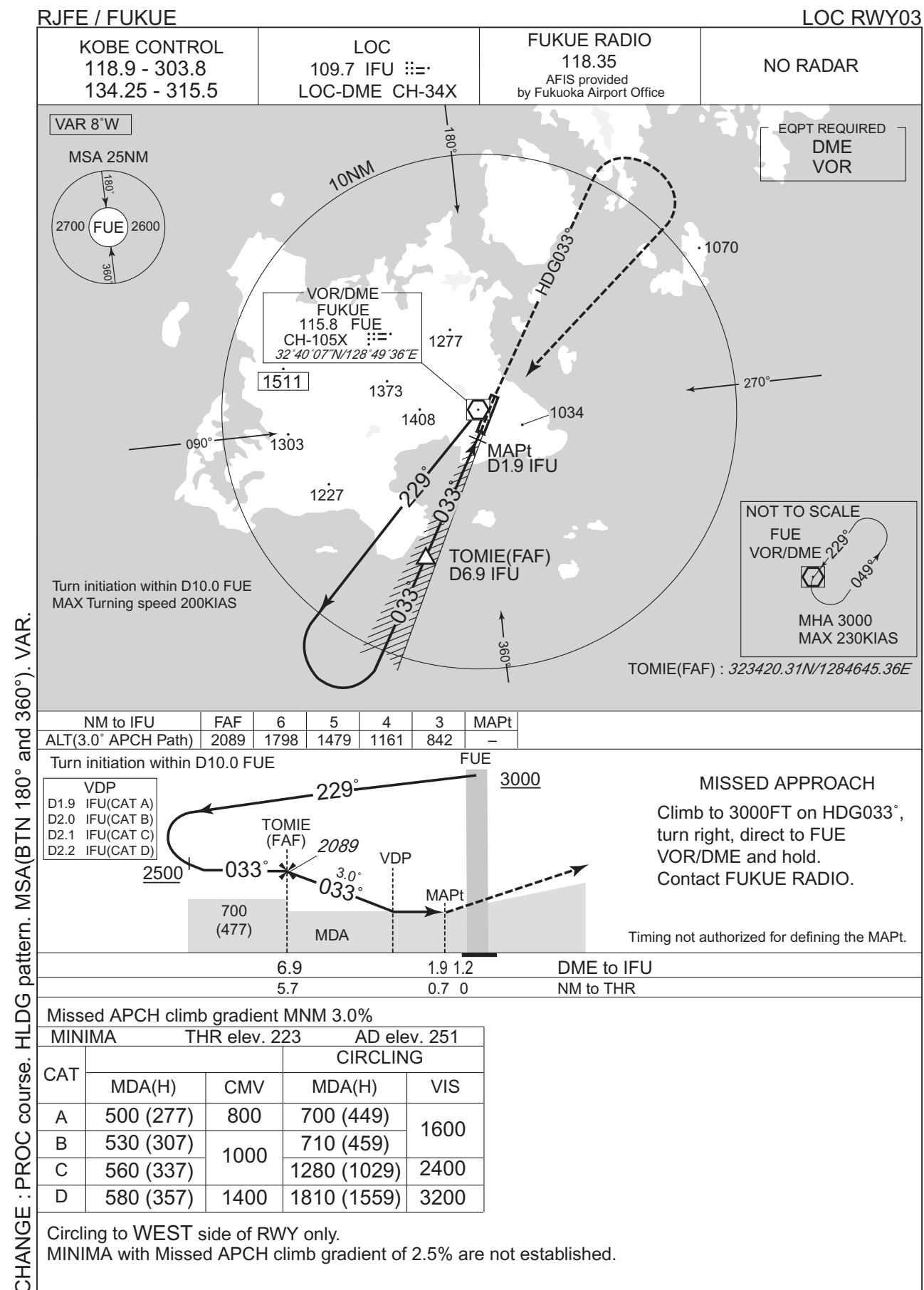
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001	VA	-	-	033 (025.6)	-7.5	-	-	+700	-	-	RNP1
002	DF	KAMIG	-	-	-7.5	-	-	+6000	-	-	RNP1
003	TF	OLVIN	-	044 (036.3)	-7.5	35.9	-	-	-	-	RNP1

## RWY21

Serial Number	Path Descriptor	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KIAS)	Vertical Angle	Navigation Specification
001	VA	-	-	213 (205.7)	-7.5	-	-	+700	-	-	RNP1
002	DF	FE100	-	-	-7.5	-	-	-	-	-	RNP1
003	TF	FE102	-	123 (115.8)	-7.5	6.2	-	-	-	-	RNP1
004	TF	KAMIG	-	029 (021.9)	-7.5	30.9	-	+6000	-	-	RNP1
005	TF	OLVIN	-	044 (036.3)	-7.5	35.9	-	-	-	-	RNP1

CHANGE : Navigation Specification(Basic RNP1 → RNP1).

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

VOR RWY03

KOBE CONTROL  
118.9 - 303.8  
134.25 - 315.5

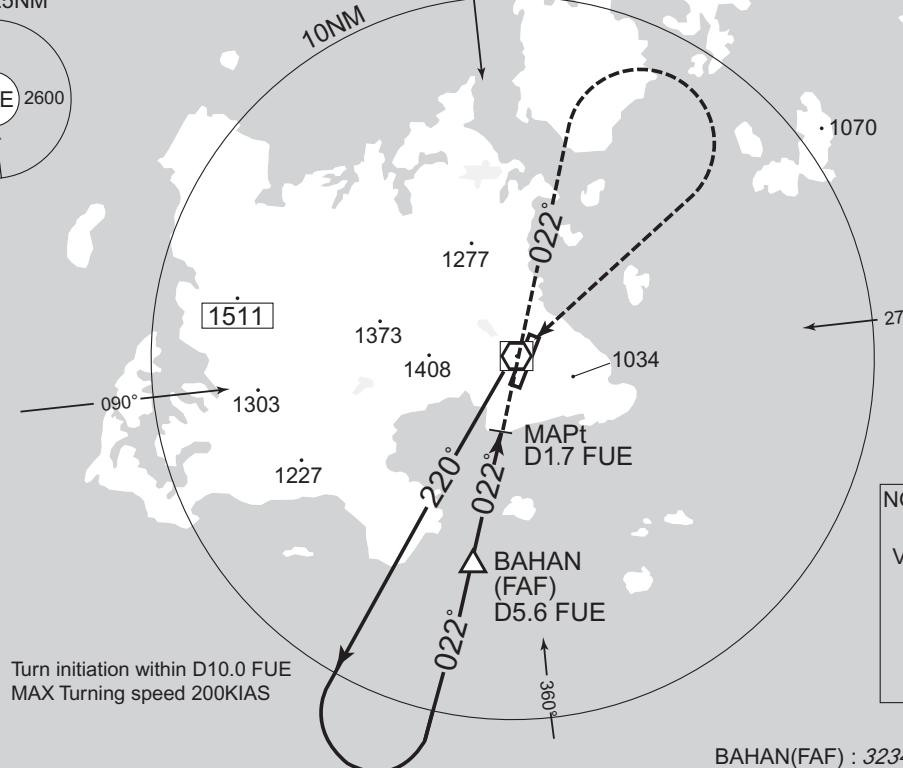
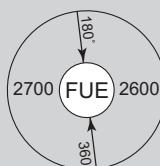
FUKUE VOR/DME  
115.8 FUE  
CH-105X :::  
32°40'07"N/128°49'36"E

FUKUE RADIO  
118.35  
AFIS provided  
by Fukuoka Airport Office

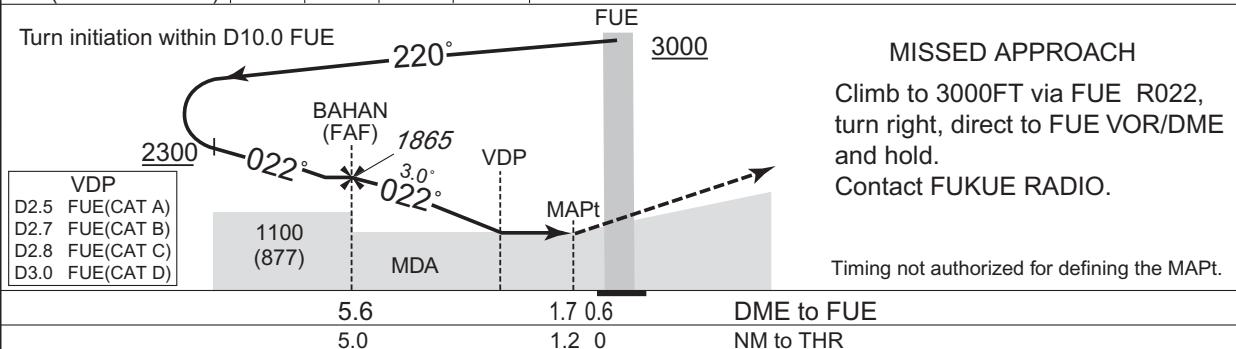
NO RADAR

VAR 8°W

MSA 25NM



NM to FUE	FAF	5	4	MAPt
ALT(3.0° APCH Path)	1865	1366	1048	—



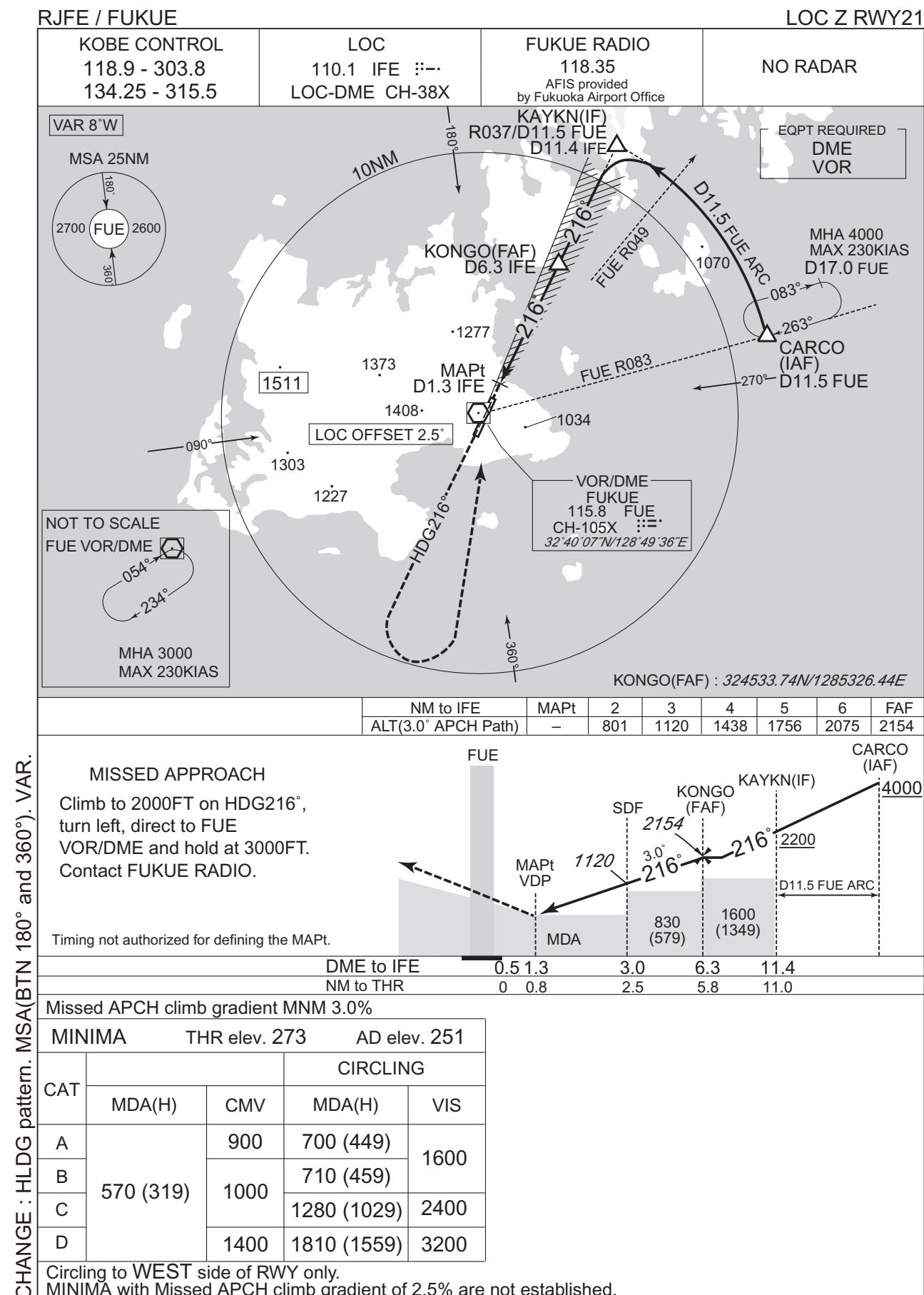
Missed APCH climb gradient MNN 5.0%			
MINIMA	THR elev. 223	AD elev. 251	CIRCLING
CAT	MDA(H)	CMV	MDA(H) VIS
A	880 (657)	1200	880 (629) 1600
B	920 (697)	1400	920 (669)
C	970 (747)		1280 (1029) 2400
D	1010 (787)	1800	1810 (1559) 3200

Circling to WEST side of RWY only.

MINIMA with Missed APCH climb gradient of 2.5% are not established.

CHANGE : PROC course, HLDG pattern. Missed APCH course. MSA(BTN 180° and 360°). VAR.

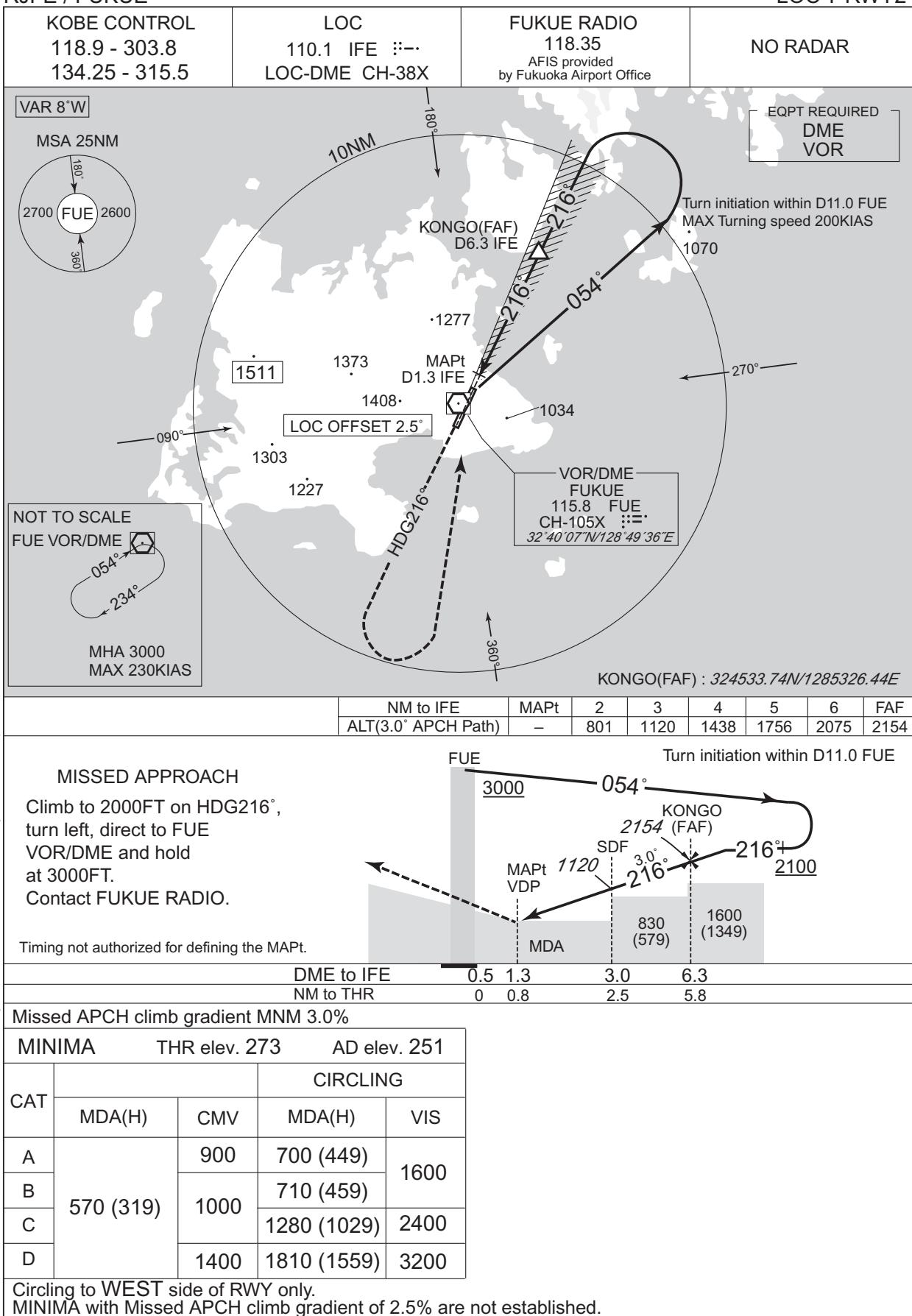
## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

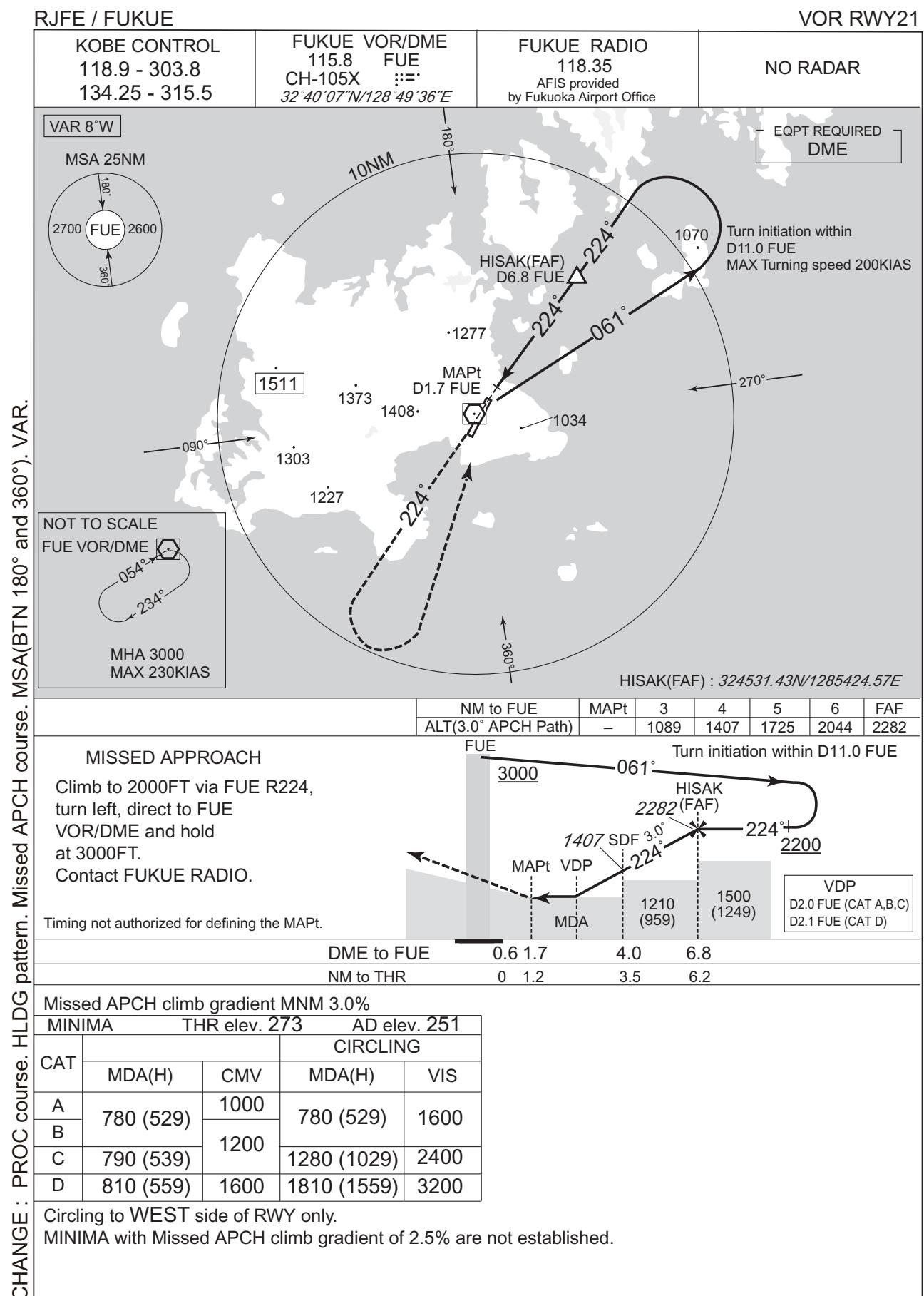
RJFE / FUKUE

LOC Y RWY21

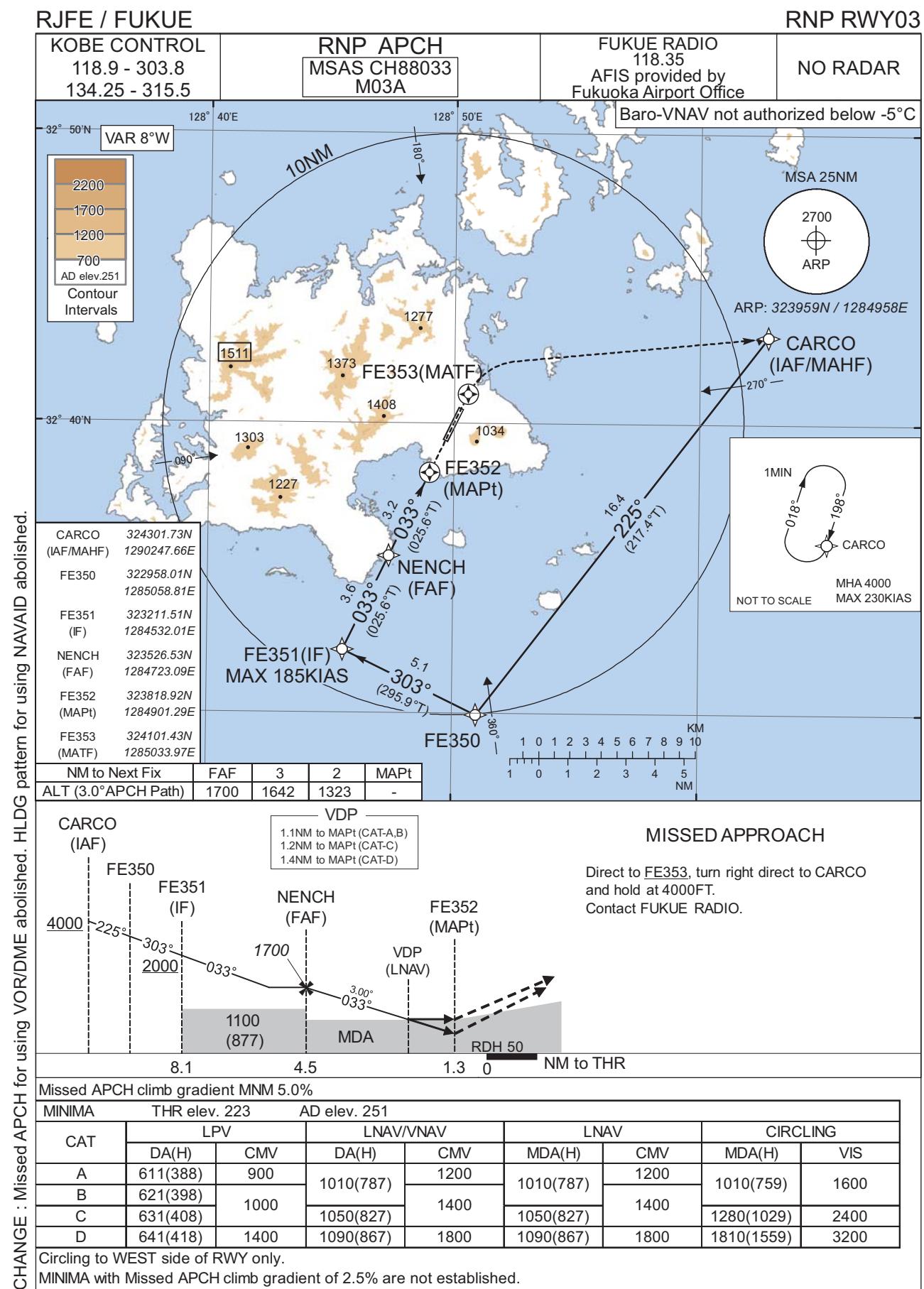


CHANGE : PROC course, MSA(BTN 180° and 360°), HDG pattern, VAR.

## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART



## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY03

**FAS DATA BLOCK**

Operation type	0	LTP/FTP ellipsoidal height	+00987
SBAS service provider identifier	2	FPAP latitude	324027.7825N
Airport identifier	RJFE	FPAP longitude	1285014.8040E
Runway	03	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M03A	Δ length offset	0000
LTP/FTP latitude	323929.3105N	HAL	40.0
LTP/FTP longitude	1284941.4435E	VAL	50.0
CRC remainder	E0818BF5		

**Required additional data**

LTP/FTP orthometric height	67.7
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY21

KOBE CONTROL 118.9 - 303.8 134.25 - 315.5	RNP APCH MSAS CH85668 M21A	FUKUE RADIO 118.35 AFIS provided by Fukuoka Airport Office	NO RADAR
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FUKUE RADIO  
118.35  
AFIS provided by  
Fukuoka Airport Office

## NO RADAR

Baro-VNAV not authorized below -5°C

Baro-VNAV not authorized below  $-5^{\circ}\text{C}$

VAR 8°W

10NM

FE151(IF)  
MAX 210KIAS

FE150

TATAR (FAF)

FE152 (MAPt)

FE153(MATF)

CARCO (IAF/MAHF)

ARP: 323959N / 1284958E

MSA 25NM

2700  
ARP

2200  
1700  
1200  
700  
AD elev.251  
Contour Intervals

CARCO 324301.73N  
(IAF/MAHF) 1290247.66E

FE150 324627.07N  
1285816.73E

FE151 324758.74N  
(IF) 1285432.45E

TATAR 324422.07N  
(FAF) 1285228.54E

FE152 324138.23N  
(MAPt) 1285054.97E

FE153 323855.49N  
(MATF) 1284922.14E

1MIN  
018° 198°  
CARCO

MHA 4000  
MAX 230KIAS

NOT TO SCALE

NM to Next Fix

MAPt

1 2 3 FAF

ALT (3.0°APCH Path)

1055 1373 1691 1700

KM

1 0 1 2 3 4 5 6 7 8 9 10

1 0 1 2 3 4 5 NM

YDP

MISSED APPROACH	0.5NM to MAPt (CAT-A,B) 0.7NM to MAPt (CAT-C)	VDT	CARCO (IAE)
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Direct to FE153, turn left direct to CARCO and hold at 4000FT

FE152 (MAB) TATAR (EAF) (IF)  
304° 320° 4000  
Contact FUKUE RADIO.

1000ft (LNAV) 300ft 213°

1600  
(1616)

RDH 50 MDA (1349)

NM to THR 0 1.3 4.3 8.3

Missed APCH climb gradient MNM 5.0%

CAT	LPV	LNAV/VNAV	LNAV	CIRCLING
	DATA	DATA	DATA	DATA

	DA(H)	CMV	DA(H)	CMV	MDA(H)	CMV	MDA(H)	VIS
A	721(448)	900	800(207)	1000	800(200)	1000	800(200)	1000

B	731(458)	1200	880(607)	1200	880(629)	1200	880(629)	1600
C	744(469)		920(657)	1400	920(670)	1400	1200(1020)	2400

C	741(408)	930(637)	1400	930(679)	1400	1280(1029)	2400	
D	751(478)	1600	970(697)	1800	970(719)	1800	1810(1559)	3200

**MINIMA** with Missed APCH climb gradient of 2.5% are not established

IVANIRVA with missed AP or limbs gradient of 2.0 % are not established.

## INSTRUMENT APPROACH CHART

RJFE / FUKUE

RNP RWY21

**FAS DATA BLOCK**

Operation type	0	LTP/FTP ellipsoidal height	+01140
SBAS service provider identifier	2	FPAP latitude	323929.3105N
Airport identifier	RJFE	FPAP longitude	1284941.4435E
Runway	21	Threshold crossing height	00015.0
Approach performance designator	0	TCH units selector	1
Route indicator		Glide path angle	03.00
Reference path data selector	0	Course width at threshold	105.00
Reference path ID	M21A	△ length offset	0000
LTP/FTP latitude	324027.7825N	HAL	40.0
LTP/FTP longitude	1285014.8040E	VAL	50.0
CRC remainder	7B7068FB		

**Required additional data**

LTP/FTP orthometric height	82.9
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CHANGE : Description of FAS DATA BLOCK ITEM(CRC remainder).

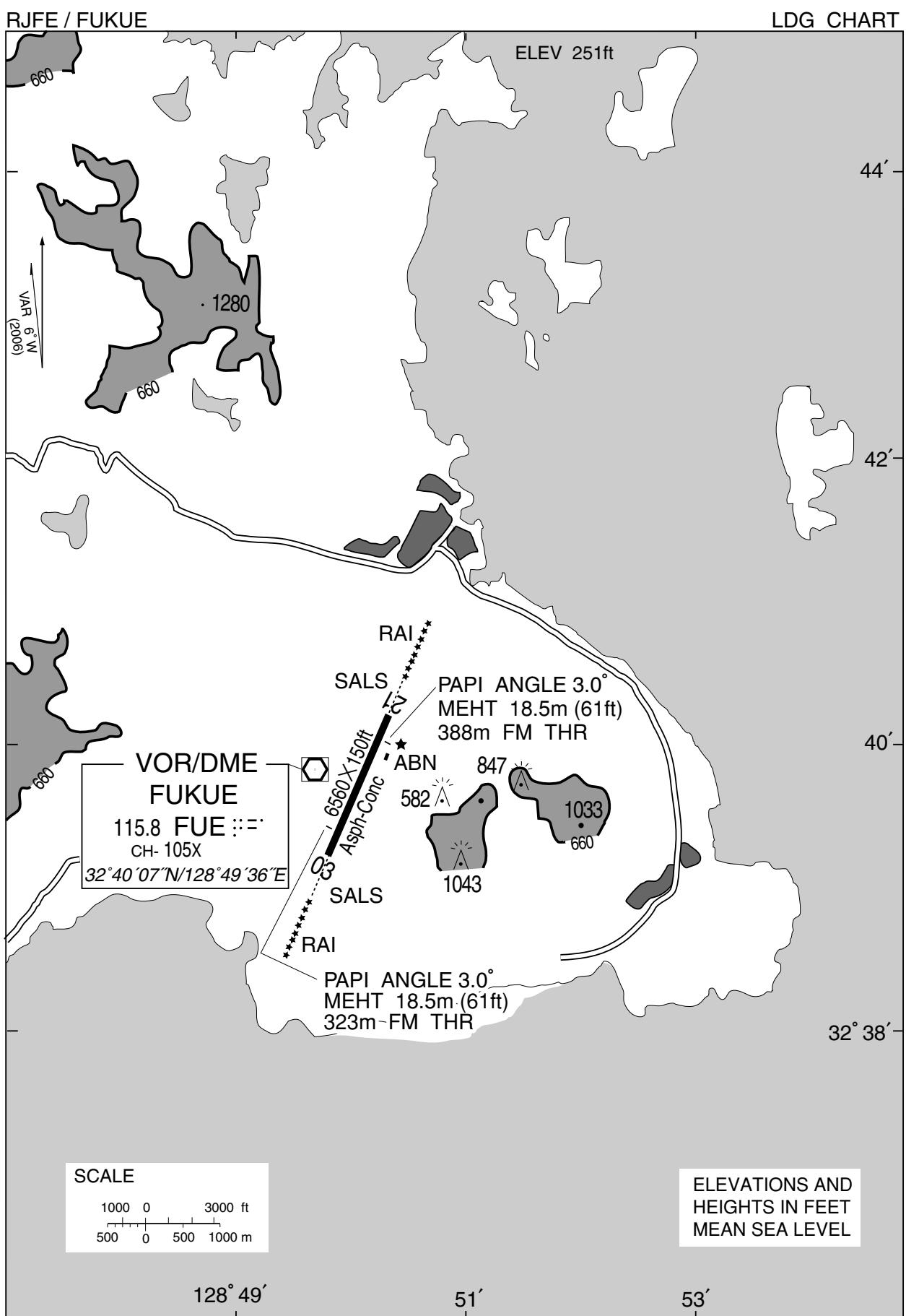
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Visual REP



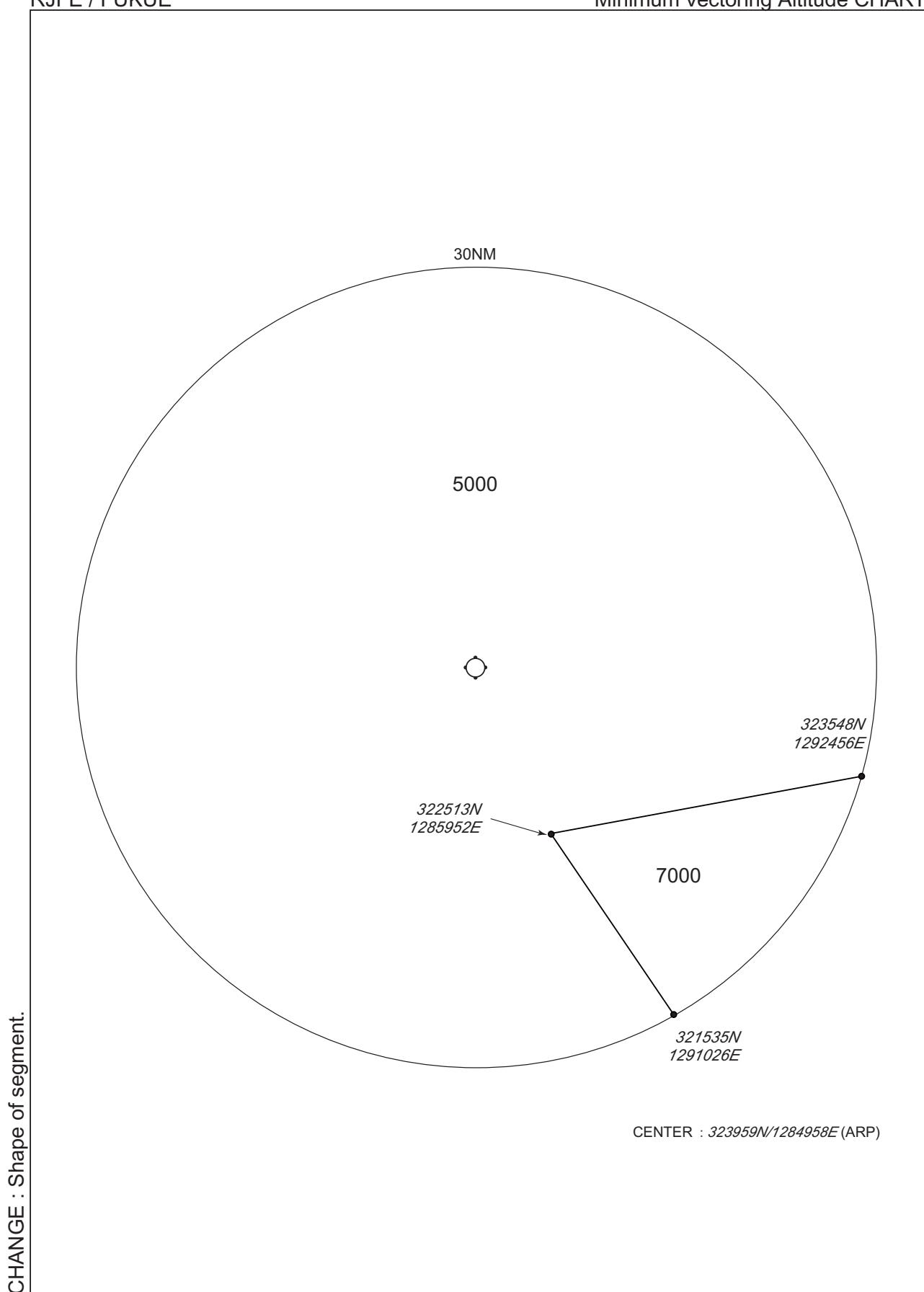
CHANGE : Secondary FREQ abolished.

Call sign	BRG / DIST from ARP	Remarks
奈留島 Narushima	029°T / 10.8NM	浦港 Harbor
梶島 Kabashima	053°T / 10.2NM	島 Island
京ノ岳 Kyonodake	304°T / 10.1NM	レーダーサイト Radar site
螺旋島 Sazaejima	055°T / 4.0NM	島 Island
二本楠 Nihongusu	275°T / 5.2NM	十字路 Intersection
富江港 Tomieko	230°T / 4.4NM	港 Harbor
大瀬崎 Osezaki	255°T / 12.2NM	灯台 Lighthouse
黒島 Kuroshima	179°T / 4.0NM	島 Island
黄島 Oshima	151°T / 6.9NM	島 Island



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Minimum Vectoring Altitude CHART



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