

**WARSAW CHOPIN AIRPORT  
RNAV (GNSS)  
RWY 15 (CAT A/B/C/D)**

**EPWA RNAV (GNSS) RWY 15 FROM WA616**

SEQUENCE NUMBER	PATH TERMINATOR	WAYPOINT IDENTIFIER	FLY - OVER	COURSE/TRACK °M (°T)	DISTANCE (NM)	TURN DIRECTION	ALTITUDE	SPEED (kt)	VPA/TCH	NAV SPEC
001	IF	WA616	-	-	-	-	-	-220	-	RNP APCH
002	TF	WA614	-	147 (151.65)	4.00	-	+3800 ft	-	-	RNP APCH
003	TF	OSNUT	-	147 (151.59)	2.60	-	-	-	-	RNP APCH
004	TF	WA613	-	147 (151.63)	1.50	-	+3000 ft	-	-	RNP APCH
005	TF	RW15	Y	147 (151.73)	7.01	-	@402 ft	-	-3.5/50	RNP APCH
006	CF	WA697	Y	147 (151.91)	17.59	-	+3000 ft	-	-	RNP APCH

WAYPOINT IDENTIFIER	COORDINATES	
OSNUT	52°18'11.9"	020°50'47.2"
RW15 (MAPt)	52°10'42.9"	020°57'21.3"
WA612	52°15'41.6"	020°52'59.4"
WA613 (FAP/FAF)	52°16'52.7"	020°51'56.9"
WA614 (IF)	52°20'28.9"	020°48'46.2"
WA616 (IAF)	52°23'59.8"	020°45'40.2"
WA697 (MAF)	51°55'13.8"	021°10'48.6"

## SBAS FAS Data Block Coding Data

EPWA RNAV (GNSS) RWY 15	
Input Data	
Parameters	Values
Operation Type:	0
SBAS Provider:	1
Airport Identifier:	EPWA
Runway:	15
Runway Direction:	0
Approach Performance Designator:	0
Route Indicator:	
Reference Path Data Selector:	0
Reference Path Identifier:	E15A
LTP/FTP Latitude:	521042.8600N
LTP/FTP Longitude:	0205721.2700E
LTP/FTP Ellipsoidal Height (metres):	138.8
FPAP Latitude:	520916.5195N
Delta FPAP Latitude (seconds):	-86.3405
FPAP Longitude:	0205836.7485E
Delta FPAP Longitude (seconds):	75.4785
Threshold Crossing Height:	50.0
TCH Units Selector:	0
Glidepath Angle (degrees):	3.50
Course Width (metres):	105.00
Length Offset (metres):	0
HAL (metres):	40.0
VAL (metres):	35.0

Output Data	
Data Block	10 01 17 10 05 0F 00 00 01 35 31 05 58 82 64 16 EC 48 FE 08 6C 19 77 5D FD AD 4D 02 F4 01 5E 01 64 00 C8 AF FE 33 B7 32
Calculated CRC Value	FE33B732

Required Additional Data (not CRC wrapped)	
ICAO Code	WA
LTP/FTP Orthometric Height (metres)	107.4
FPAP Orthometric Height (metres)	107.4