

Ground Based Augmentation System (GBAS) – Performance Parameter Guide

Honeywell - SLS-4000 - P/N YG4031EA03 - Block II and Block II with SBAS Option (Block IIs)

Commercial Instruction Book 10165326-103

An asterisk (*) denotes a key performance parameter.

Equipment Key Performance Parameters

Parameter & Details	CIB Reference
*Radiated Characteristics - VDB Transmitter RF Power Output TX 1 (dbm)	6-3.4
*Radiated Characteristics - VDB Transmitter RF Power Output TX 2 (dbm)	6-3.4
*Frequency - VDB Transmitter RF Signal TX 1 (hz)	Table 6-2
*Frequency - VDB Transmitter RF Signal TX 2 (hz)	Table 6-2
*Frequency - VDB Receiver Local Oscillator RX 1 (hz)	Table 6-2
*Frequency - VDB Receiver Local Oscillator RX 2 (hz)	Table 6-2
*Monitor Alarm Points - VDB Transmission Line	9-6.26.7, 9-6.26.10
*Monitor Alarm Points - VSWR Monitor	6-3.6
*HW Verification - Temperature Sensor	6-3.9
*HW Verification - Cooling Fan Control	6-3.7
*Data Recording - 14-day logs (At least 112 entries at 200 mb)	3-13.6, Table 3-38
*DCP Status / CRC Values - DCP Software	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
*DCP Status / CRC Values - GBAS Software	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
*DCP Status / CRC Values - DEOS Software	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
*DCP Status / CRC Values - Adaptation Data	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
*DCP Status / CRC Values - Measured Data	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
*DCP Status / CRC Values - Security Database	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
*DCP Status / CRC Values - Type 4 Data	3-13.3, 3-8.8.5, Figure 3-46, Table 3-17 (Item: All software)
Additional Equipment Parameters for GBAS with SBAS Ground Receivers	
View SGR Status - SBAS Subsystem	3-8.8.9, Fig. 3-52 (Item view SGR status)
View SGR Status - SBAS Provider	3-8.8.9, Fig. 3-52 (Item view SGR status)
View SGR Status - SGR RF Status	3-8.8.9, Fig. 3-52 (Item view SGR status)
View SGR Status - SGR Status	3-8.8.9, Fig. 3-52 (Item view SGR status)

Additional Equipment Parameters

Parameter	CIB Reference	When Compared the FRD Matches?
Remote Status Monitor Alarm – When there’s a fault, does the alarm sound?	N/A	N/A
Confirmation of Approaches - Channel 1 Status of Approaches	Fig. 3-27, Table 3-14	Broadcast Status, CRC, VAL & LAL
Confirmation of Approaches - Channel 2 Status of Approaches	Fig. 3-27, Table 3-14	Broadcast Status, CRC, VAL & LAL