

## SERVICE BULLETIN SUMMARY

### Product: Antenna System Monitor

**Subject: Service Bulletin Summary**

**Date: 20<sup>th</sup> April 2019**

Description

This Service Bulletin provides a summary listing of the Service Bulletins issued for the Antenna System Monitor (ASM) series products;

No.	Date	F/W	Major Changes	Comments
ASM001	03 Aug 2012	1.90	Added: Configuration Files	
ASM002	03 Aug 2012	N/A	New Directional Coupler release	Changes use of GUI Calibration screen
ASM003	05 Aug 2012	1.92	Added: APCO P25 Phase 2 Measurement	
ASM004	04 Sep 2012	1.95	Added: Alarm Event Log	
ASM005	06 Sep 2012	2.00	Added: Activity LED, History Charts, DMR/TETRA Measurement, Email & SNMP Alarms	
ASM006	25 Sep 2012	2.05	Fixed: VSWR correctly calculated at antenna	
ASM007	25 May 2013	2.10	Added: Secondary SNMP/Manager Messages IP addresses, extra History Charts, Unsecured Emails, Retention of Last recorded Values.  Fixed: Ethernet LLC messages could cause resets	Update to F/W 2.00 or 2.05 prior to updating to 2.10 or above
ASM008	10 Nov 2013	2.20	Added: Rx Level Measurement in Service Mode, NTP Time Referencing, Antenna Isolation Max Alarm, Latched outputs for CAM module.  Fixed: 12.5KHz Filter Selectivity and Adjacent Channel measurement	Antenna Line Coupler coupling values recommended to be re-calibrated
ASM009	13 Nov 2013	2.30	Added: Rx Functionality to Status and Configuration menus, Site Alarm Module (SAM) released	
ASM010	24 Jan 2014	2.40	Fixed: Time and Date setting corrected, resolved issue with Antenna Isolation Manager Messages	



ASM011	14 Mar 2014	2.50	<p>Added: CAM/SAM information to Manager Messages, enhanced SNMP alarms, Network Identifiers, mapping of ASM alarm relays, enhanced CAM/SAM Alarm Output Mapping, Test Alarms screen added, History logging interval can be disabled.</p> <p>Fixed: Intermittent lockup of Service Mode screen</p>	
ASM012	22 Apr 2014	2.50b	<p>Fixed: Intermittent sending of Manager Messages</p>	
ASM013	17 Sep 2014	2.50c	<p>Fixed: Calculated VSWR value varying with some Tx Feeder Loss values entered</p>	
ASM014	09 Dec 2015	2.50d	<p>Added: Ability to download ASM Config file via CLI from K2 model (i.e.) if SD Card fails.</p>	
ASM015	25 Feb 2015	2.50e	<p>Added: 1.25KHz Channel Frequency step size, change in Channel measurement process if CAM/SAM PTT function selected</p>	
ASM016	12 Jul 2015	2.60	<p>Added: System Isolation Tests, Master login access level, Fleet-wide use of Config files, SD Card Test and alarm reporting, History Chart support for CAM/SAM inputs, History Chart random period selection, Network Identifiers can be logged to ASM/CAM/SAM alarm outputs, Rx Activity can be assigned to CAM/SAM PTT inputs, enhanced SNMP and Manager Message formats, ability to download ASM Config file via CLI from K1 model.</p> <p>Fixed: Tx measurements slowed on TETRA channels, minor discrepancies in Tx Power and VSWR readings between Service Mode and Status screens.</p>	
ASM017	19 Jan 2016	2.62	<p>Fixed: Tx Reject Isolation test causing ASM resets. Tx Reject Isolation measurements for the following modulation types were unreliable due to incorrect level smoothing being erroneously applied: LSM, P25P2, DMR, MOTOTRBO, and TETRA.</p>	
ASM018	9 April 2016	2.70	<p>Added: Multiple Rx Signal path measurement (Dual Diversity, Hot/Standby Receive Antennas, External Monitoring) capability. Receive Systems Module (RSM) released. SNMP southbound GET command.</p> <p>Fixed: Various HELP page updates. Time Zone Offsets incorrectly saved in Config file. Network ID alarm assignments not correctly applied from a Config file. Rx Port Subsystem Gain and Post Gain values not correctly applied from a Config file. Manager Messages using TCPIP not working correctly. Default Coupler Calibration and BTX Power values changes. Rx Level for Tx Rejection tests not displayed correctly.</p>	<p>Update to F/W 2.6 or 2.62 prior to updating to 2.70 or above</p> <p>F/W 2.70 supported in Genesis Genwatch3™.</p>



ASM019	30 Jan 2017	2.80	<p>Added: Improved Tx level measurement.</p> <p>Fixed: Tx Port default CAL values are not shown correctly in Tx Port Calibration HELP screen.</p>	<p>Update to F/W 2.6 or 2.62 prior to updating to 2.80 or above</p> <p>F/W 2.80 supported in Genesis Genwatch3™.</p>
ASM020	15 May 2017	2.81	<p>Fixed: Tx Coupler Calibration values entered may change during the Tx Port(s) Calibration process.</p>	<p>Update to F/W 2.6 or 2.62 prior to updating to 2.81 or above</p> <p>F/W 2.81 supported in Genesis Genwatch3® software.</p> <p>Now supported in C² Systems SitePortal® monitoring software.</p>
ASM021	03 July 2017	2.82	<p>Added: Supports updated flash memory device in ASM design.</p>	<p>Compatible with all previous shipped units.</p>
ASM022	14 Sep 2017	2.83	<p>Added: Configurable SNMP Community String value. Changed any SNMP returned fields from 'null' to a value for SNMP Managers that do not support 'null' fields. Improved resiliency to IP port attacks (DoS, Flooding, etc) for improved connectivity security. Ability to close Telnet and SNMP ports when not used, to assist in IP port attack resiliency.</p> <p>Fixed: ASM restarts caused by IP port attacks (DoS, Flooding, etc).</p>	<p>Compatible with all previous shipped units.</p>
ASM023	20 April 2019	2.84	<p>Added: Supports updated divider device in ASM design.</p>	<p>Compatible with all previous shipped units.</p>

Name	Subject	Comments
ASM SD Card Replacement	Replacement of ASM SD Memory Card	
ASM Firmware Upgrade	Process to upgrade ASM firmware	
ASM SNMP	Overviews the SNMP v2C northbound Trap and southbound GET functionality of the ASM	

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