TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT By: TEST SYSTEMS, Inc.	CVL24.DAT 11/21/13 (18:47:38)
CUSTOMER:	TEST STARTED:
Microsemi SOC Corp. 3870 N. First Street	Nov. 21, 2013
San Jose, CA 95134	TEST COMPLETED:
	Nov. 21, 2013

UNIT UNDER TEST IDENTIFICATION:

CORE1553BRM v4.0.007 running Verilog at 24 MHz (CVL24) Tested on SF2-CORE1553-DB (DVP-101-000404-001) Board REV-A and M2GL\M2S-EVAL-KIT REV-C (DVP-102-000402-001 RevC) using Aeroflex ACT 4453-001-5 Transceiver and Holt PM-DE2744 Transformers

SUMMARY OF TEST RESULTS:	A-Bus	B-Bus	
Electrical:	Passed	Passed	
Required Protocol:	Passed	Passed	
Optional Protocol:	Passed	Passed	
Noise Rejection:	Passed	Passed	

CERTIFICATE OF COMPLIANCE:

TEST SYSTEMS, Inc., certifies that this MIL-STD-1553B REMOTE TERMINAL VALIDATION TEST REPORT provides the results of the RT Validation Testing performed on November 21, 2013, in Phoenix, AZ, for Microsemi SOC. TEST SYSTEMS, Inc., further certifies that this testing was in accordance with the RT VALIDATION TEST PROCEDURE dated 06-03-96 and complies with the RT Validation Test Plan (MIL-HDBK-1553 Appendix A) with the exceptions noted on page 2.

Leroy Earhart Date

TEST SYSTEMS, Inc. 217 W. Palmaire Phoenix, AZ 85021 602/861-1010

| SUBTITLE: Test Summary | DATE: 21 Nov 2013 | Page: | | TIME: 20:48:17 | 1 of 26

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TEST	SYSTEMS, Inc. 1	MIL-STD-1553B RT VALIDATION TEST REPORT	CVL24.DAT
By:	TEST SYSTEMS,	Inc.	11/21/13 (18:47:38)
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EXCEPTIONS TO THE RT VALIDATION TEST PLAN:

- 1. Step 6 of Reset remote terminal (5.2.1.5.3) is changed to repeat step 4 rather than step 5. (Error in Test Plan.)
- 2. Frequency Stability (5.1.1.10) and Terminal Fail-Safe (5.2.1.3.7) tests were not run.
- 3. Not all commands which cause the BUSY bit to be set are recorded for every test. This can be impractical in tests where 10,000 iterations are performed because of the volume of information that would be generated. Rather than recording each scenario in which the BUSY bit is set, this report provides a count of the messages in the scenarios which have the BUSY bit set.

TEST COMMENTS:

Remote Terminal Address and Status bits of Service Request, Busy and Terminal Flag were set and reset manually as required in the test plan from a laptop computer through a USB link on the unit and Subsystem Flag was set and reset using a switch on the unit.

- 5.1.1.3 Zero Crossing An additional test was run off-line to measure the time of the first half sync from +3.0 volts to -3.0 volts. The nominal time is 1500 ns. Bus A 1514 ns; Bus B 1514 ns.
- 5.1.2.3 Input Impedance magnitude measurements recorded as 9999 ohms are actually 9999 ohms or greater.
- 5.3 Noise Rejection passed on Bus A with 165 mv of noise and passed on Bus B with 170 mv of noise (25 mv and 30 mv more than required).

Protocol in this report was run with the illegalization shown on pages 4 and 5 implemented with the registers within the core. This illegalization was done to demonstrate the illegalization capability of the core.

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TEST	SYSTEMS,	Inc.	MIL-STD-	L553B RT	' VALIDATION	TEST	REPORT	C7	/L24.DAT
By:	TEST SY	STEMS	, Inc.					11/21/13	(18:47:38)
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NOTE:

Command words are expressed in four fields with 5 bits in the first, third and fourth fields and 1 bit in the second field. Status words are expressed in four fields with 5 bits in the first and fourth fields and 3 bits in the second and third fields. Each field is given in decimal.

TEST PERSONNEL:

Leroy Earhart

TSI

Eugene O'Rourke

Microsemi

EQUIPMENT LIST:

	MANUFACTURER	CALIBRATION
EQUIPMENT TYPE	MODEL NO./SERIAL NO.	Date Done Date Due
1553 BUS TESTER *	 TSI 122 / 8804111	 N/A
Oscilloscope	MSOX3054A/MY52010665	01/27/12 01/27/14
Differential Probe	AG N2791A / PH49270334	 N/A
True RMS Voltmeter	 HP 3400A / 1218A27635	04/08/13 04/08/15
Impedance Analyzer	 HP 4192A /2830J06227	04/08/13 04/08/15
Function Generator	 Tenma 72-5015/ 8981068	N/A
Connection Panel	TSI 0100 / 900101	N/A

* The 1553 BUS TESTER was modified by installing a single board computer and the following three TSI cards inside the chassis: PC/AT PARALLEL I/O CARD, MANCHESTER CARD & 1553 NOISE GENERATOR CARD

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT By: TEST SYSTEMS, Inc. 11/21/13 (18:47:38) Valid, Legal Non-Broadcast Commands (if not marked by '-') Receive (T/R=0) Word Count Field Transmit (T/R=1) Word Count Field 111111111122222222233 1111111111222222222233 SA 01234567890123456789012345678901 SA 01234567890123456789012345678901 0 -----0 -12345678-----6-89-----1 01234567890123456789012345678901 1 01234567890123456789012345678901 2 01234567890123456789012345678901 2 01234567890123456789012345678901 3 01234567890123456789012345678901 3 01234567890123456789012345678901 4 01234567890123456789012345678901 4 01234567890123456789012345678901 5 01234567890123456789012345678901 5 01234567890123456789012345678901 6 01234567890123456789012345678901 6 01234567890123456789012345678901 7 01234567890123456789012345678901 7 01234567890123456789012345678901 8 01234567890123456789012345678901 8 01234567890123456789012345678901 9 01234567890123456789012345678901 9 01234567890123456789012345678901 10 01234567890123456789012345678901 10 01234567890123456789012345678901 11 01234567890123456789012345678901 11 01234567890123456789012345678901 12 01234567890123456789012345678901 12 01234567890123456789012345678901 13 01234567890123456789012345678901 13 01234567890123456789012345678901 14 01234567890123456789012345678901 14 01234567890123456789012345678901 15 01234567890123456789012345678901 15 01234567890123456789012345678901 16 01234567890123456789012345678901 16 01234567890123456789012345678901 17 01234567890123456789012345678901 17 01234567890123456789012345678901 18 01234567890123456789012345678901 18 01234567890123456789012345678901 19 01234567890123456789012345678901 19 01234567890123456789012345678901 20 01234567890123456789012345678901 20 01234567890123456789012345678901 21 01234567890123456789012345678901 21 01234567890123456789012345678901 22 01234567890123456789012345678901 22 01234567890123456789012345678901 23 01234567890123456789012345678901 23 01234567890123456789012345678901 24 01234567890123456789012345678901 24 01234567890123456789012345678901 25 01234567890123456789012345678901 26 01234567890123456789012345678901 26 ------27 -----27 -----28 01234567890123456789012345678901 28 01234567890123456789012345678901 29 01234567890123456789012345678901 29 01234567890123456789012345678901 30 01234567890123456789012345678901 30 01234567890123456789012345678901 31 -----31 -12345678-----6-89------Illegal Command Detection Implemented: Yes Broadcast Implemented: Data Wrap-Around Receive SA: 30 Transmit SA: 30 Terminal Address Used: Coupling Used: Transformer Implemented Status bits: ME SRB BCR BUSY SF TF Implemented Non-Broadcast Mode Codes: 1,2,3,4,5,6,7,8,16,17,18,19 Implemented Broadcast Mode Codes: 1,3,4,5,6,7,8,17 SUBTITLE: Configuration Used Page: DATE: 21 Nov 2013 Non-Broadcast Commands TIME: 20:48:17 4 of 26

TEST SYSTEMS, I By: TEST SYST	nc. MIL-ST EMS, Inc.	D-1553B RT VA	LIDATIO	N TEST	REPORT	ı	VL24.DAT (18:47:38)
Valid, Legal	Broadcast	Commands (if	not mar	cked b	y '-')		
Receive (T/	'R=0) Word	Count Field	Tı	cansmi	t (T /R=1) Word Co	ount Field
1 SA 01234567890		22222222233 012345678901	SA (012345			222222233 345678901
0	7		0 -	-1-345	678		
1 01234567890	1234567890	12345678901					
2 01234567890	1234567890	12345678901	2 -				
3 01234567890	1234567890	12345678901	3 -				
4 01234567890	1234567890	12345678901	4 -				
5 01234567890	1234567890	012345678901	5 -		~ ~~ ~~~		
6 01234567890	1234567890	012345678901	6 -				
7 01234567890			7 -				
8 01234567890			8 .				
9 01234567890			9.				
10 01234567890			10				· -
11 01234567890			11 -				· • •
12 01234567890	123456789	012345678901	12 -				
		012345678901	13 -				
14 01234567890			14				
15 01234567890			15 -				
16 01234567890			16 -				
		012345678901	17				
		012345678901	18				
		012345678901	19				
		012345678901	20 -				· •
		012345678901	21				
		012345678901	22	.			
		012345678901	23				
		012345678901	24				
25			25	-		·	
26 01234567890	0123456789	012345678901	26	-			
27						· 	
28 01234567890	0123456789	012345678901	- '				
29 01234567890							
30 0123456789							
31						· • •	
Test STAT abb							
ABRT: Test Abo		BCR: Broadca		ived			vd+TermFlag
BUSY: Busy Bi	•	CS: Clear S		ļ			ıs Accepted
DC: Don't C		EF: Error F		1			Inhibited
INVL: Invalid	!	MBR: Msg Err				E+TF+BCR	
ME: Message	:	MTF: MsgErr+		_ ,		To Respons	
NRun: Not Run		RIF: Respond		m		Subsystem	Flag
SR: Service VR: Valid R		TF: Termina	al Flag	 	TO: 7	Cimed Out	
	m!			I			r _
SUBTITLE: Con		Used		DATE		Nov 2013	Page:
Broadcast	Commands			TIME	20:	:48:17	5 of 26

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT TEST SYSTEMS, Inc. By: 11/21/13 (18:47:38) Ref. Section Test Description Limits Units | B U S Α BUSB (Xformr Coupled) Meas. | STAT | Meas. | STAT | ||5.1.1 OUTPUT CHARACTERISTICS ||5.1*.*1.1 OUTPUT AMPLITUDE Max 18.0-27.0 Vpp 19.81 | Pass | 19.88 Pass Min 18.0-27.0 19.56 Pass | 19.56 Pass Vpp 5.1.1.2 OUTPUT RISE TIME-Sync 100- 300 204 | Pass | 201 | Passi ns 5.1.1.2 OUTPUT RISE TIME-Data 100- 300 204 | Pass 201 |Pass| ns 5.1.1.2 OUTPUT FALL TIME-Sync 100- 300 ns 204 | Pass | 195 Pass 5.1.1.2 OUTPUT FALL TIME-Data 100- 300 205 Pass 200 ns Pass ZERO CROSSING STAB. 5.1.1.3 500ns Tzcp 475- 525 498 Pass 494 nsPass 1000ns Tzcp 975-1025 ns 1003 | Pass | 1004 Pass 1500ns Tzcp 1475-1525 ns 1496 | Pass | 1497 Pass 2000ns Tzcp 1997 | Pass | 1997 1975-2025 $_{
m ns}$ Pass 500ns Tzcn 475- 525 502 | Pass | 496 $_{
m ns}$ Pass 1000ns Tzcn 975-1025 ns 1005 |Pass| 1006 Passli 1500ns Tzcn 1507 1475-1525 |Pass| 1507 |Pass|| ns 2000ns Tzcn 1975-2025 2005 Pass | 2005 |Pass| 5.1.1.4 DISTORTION, OVERSHOOT ≤ ± 900 AND RINGING mVp 50 Pass 50 |Pass|| ||5*.*1.1.5 OUTPUT SYMMETRY (00000)≤ ± 250 αVm -53 Pass 9 |Pass| (5555)≤ ± 250 щVр -53 Pass 10 Pass (7FFF) ≤ ± 250 mVp -31 Pass 20 Pass ≤ ± 250 (8000)qVm -39 Pass 13 | Pass (AAAA) ≤ ± 250 qVm -46 Pass 11 | Pass (FFFF) \leq \pm 250 mVp -32 Passi 18 |Pass| 5.1.1.6 OUTPUT NOISE with power on 14 mVrms Pass 8 | Pass| with power off 14 mVrms Pass Pass 5.1.1.7 OUTPUT ISOLATION 45 db72 Pass 72 Pass 19.81 Pass Active Bus 18.0-27.0 Vpp 19.88 | Pass | Inactive Bus qqVm 5 Pass 5 Pass ||5*.*1*.*1.8,1 POWER ON/OFF NOISE Power Up Amplitude $\leq \pm 250$ 180 200 Pass mVp Pass Pulse Width us . 1 .1 Power Down Amplitude 50 |Pass| \leq \pm 250 50 mVp Pass Pulse Width .1 us .1 5.1.1.8.2 POWER ON RESPONSE protocol ---Pass Pass SUBTITLE: Electrical Tests DATE: 21 Nov 2013 | Page: 5.1.1 Output Characteristics (XFR) TIME: 20:48:17 6 of 26

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT TEST SYSTEMS, Inc. 11/21/13 (18:47:38) Ref. Section Test Description Limits BUS Units BUSB (Xformr Coupled) Meas. | STAT | Meas. STAT 5.1.1.9 TERMINAL RESPONSE TIME Transmit 4.0-12.0 5.94 | Pass | 5.93 | Pass| us Receive 4.0-12.0 us 5.85 Pass 5.84 | Pass | RT-UUT 4.0-12.0 5.85 Pass 5.84 | Pass us Mode Command 4.0-12.0 5.94 Pass 5.93 | Pass| us 5.1.1.10 FREQUENCY STABILITY Min. Frequency kHz Max. Frequency kHz kHz Avg. Frequency ||5.1.2|INPUT CHARACTERISTICS ||5.**1.2.1**.1 ZERO CROSSING DISTORTION Min. Deviation ≤ -150 -187 | Pass | -187 |Pass| ns Max. Deviation ≥ 150 ns 182 Pass 178 Pass Plus 150 nsec protocol ---Pass Pass Minus 150 nsec protocol Pass Pass ! 5.1.2.1.2 AMPLITUDE VARIATIONS 1st CS threshold 200- 860 | mVpp 606 | Pass| 580 Pass 1st NR threshold 200- 860 mVpp 580 Pass 560 | Pass| 5.1.2.1.3 RISE AND FALL TIME 5.1.2.1.3.1 TRAPEZOIDAL protocol Pass Pass 5.1.2.1.3.2 SINUSOIDAL protocol Pass Pass 5.1.2.2 COMMON MODE REJECTION +10 volt _ _ _ protocol Pass Pass -10 volt protocol ---Pass Pass ± 10 volt protocol ___ Pass Pass SUBTITLE: Electrical Tests DATE: 21 Nov 2013 Page: 5.1.1.9 Terminal Resp. Time (XFR) TIME: 20:48:17 7 of 26

Ref. Section	Test Description	Limits	Units	BUS	A	BUS	В
	(Xformr Coupled)		011105	Meas.			
5.1.2.3	INPUT IMPEDANCE				 		
	75 kHz Power ON Phase Angle	≥ 1000	ohms degs	9999 46	Pass	9999 42	 Pas
	100 kHz Power ON Phase Angle	 ≥ 1000	ohms degs	9999 18	 Pass 	99 99	 Pas
	250 kHz Power ON Phase Angle	 ≥ 1000	ohms degs	8155 -62	 Pass 	7435 -66	 Pas
	500 kHz Power ON Phase Angle	≥ 1000	ohms degs	3753 -77	Pass	3432 -79	 Pas
	1.0 MHz Power ON Phase Angle	≥ 1000	ohms degs	1846 -83	 Pass 	1690 -84	 Pas
	75 kHz Power OFF Phase Angle	≥ 1000	ohms degs	9999 38	Pass		Pas
	100 kHz Power OFF Phase Angle	 ≥ 1000	ohms degs	 9999 5	 Pass 		 Pas
	250 kHz Power OFF Phase Angle	 ≥ 1000	ohms	7018 -65	Pass		 Pas
	500 kHz Power OFF Phase Angle	≥ 1000	ohms degs	3280 -78	 Pass		 Pas
	1.0 MHz Power OFF Phase Angle	≥ 1000	ohms	 1616 -84	 Pass 		Pas
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By: TEST	SYSTEMS, Ind	: ·					-	11/21/13 (18:47:			
Reference	Test De	escrip	tion		ви	rs a	'	BUSB			
Section	Bus: (run.	_		cot)	Command	Response	STAT	Command	Response	STA	
5.2.1.1	Response to	 		 							
5.2.1.1.1	RT Respon						 				
	Valid,	Legal	Comm	ands	3-0-01-00	3-0-0-00	cs	3-0-01-00	3-0-0-00	CS	
	A: (1792/	0/	0)	3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	CS	
	B:(1792/	0/	0)	3-1-00-19	3-0-0-00	CS 	3-1-00-18	3 0.0.00	CS	
	 Valid,	Illeq	al Co	mmands	3-0-01-00	3-0-0-00	cs	3-0-01-00	3-0-0-00	cs	
	A: (128/	0/	0)	3-0-25-00	3-4-0-00	ME	3-0-25-00	3-4-0-00	ME	
	В: (128/	0/	0)	3-1-00-18	3-4-0-00	ME	3-1-00-18	3-4-0-00	ME	
	 Invali	d Comm	ands		3-0-01-00	3-0-0-00	 cs	3-0-01-00	3-0-0-00	i Ics	
	A: (61440/	0/	0)	0-0-00-00		NR	0-0-00-00		NR	
	B:(61440/	0/	0)	3-1-00-18	3-0-0-00	CS	3-1-00-18	3-0-0-00	cs	
	Legal	Legal Mode Commands					lcs	300100	3 - 0000	cs	
	A: (16/	0/	0)	3-0-01-00		cs	3-0 00 17		CS	
	B:(16/	0/	0)	3-1-00-18	3-0-0-00	cs	3-1-00-18	3-0-0-00	CS	
	 Illega	l Mode	: Comm	ands	300100	3-0-0-00	cs	3-0-91-00	3-0-0-00	cs	
	A: (6/	0/	0)	3-0-00-20	; 1	ME	3 -0 -00 -20	3-4-0-00	ME	
	B: (6/	0/	0)	3-1-00-18	3-4-0-00	ME	3-1-00-18	3 -4 0-00	 	
	Undefi:	ned Mo	ode Co	mmands	3-0-01-00	3-0-0-00	cs	3 -0- 0100	3-0-0-00	j Ics	
	A: (98/	0/	0)	3-0-00-00	!	ME	3-0-00-00		ME	
	B: (98/	0/	0)	3-1-00-18	3-4-0-00	ME	3-1-00-18	3-4-0-00	ME	
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	S, Inc. MIL-STD-1553B RT VALID SYSTEMS, Inc.				11/21/13	VL24.DA (18:4)	
teference	Test Description	Ви	JS A	E	В О	s B	
Section	Bus: (run cnt/ errors/ busy cnt)	Command		TAT	!	Response	STA
.2.1.1	Response to Command Words						
.2.1.1.1	RT Response to Commands Broadcast Commands		I		1 1		
	Broadcase commands		i				1
	Valid, Legal Commands	3.0.01.00	3-0-0-00 C	:S	3-0-01-00	3-0-0-00	cs
	A: (896/ 0/ 0)	31-0-01-00	D	IR.	31 -0-01-00		NR
	B;(896/ 0/ 0)	3-1-00-18	3-0-0-16 E	CR	3-1-00-18	3-0-0-16	BC:
	Traid Tilegal Commands			10			
	Valid, Illegal Commands	3-0-01-00	!	:S IR	3-0-01-00		CS
	A: (1024/ 0/ 0) B: (1024/ 0/ 0)	3 -1 -00 -18			31-0-25-00	3 -4- 016	NR MBI
	D. (1024) 0) 0)	31 00 10	1-4-0-10	ШK] 3-1-00-18	2 4.0.10	
	Invalid Commands			N/A	 		N
	ļ			N/P	· ·		N
		 		N/A	\		 M
	Legal Mode Commands] 	 3-0-0-00 0	S	3-0-01-00	20a 0 E	j Ics
	A: (8/ 0/ 0)	31-0-00-17	:	IR	31-0-00-17		NR
	B: (8/ 0/ 0)	3-1-00-18	3-0-0-16 I	3CR	3-1-00-18	3-0-0-16	BCI
	Illegal Mode Commands		3-0-0-00	10			
	A: (14/ 0/ 0)	31 - 0 - 00 - 20	:	JR	3-0-01-00		CS NR
	B: (14/ 0/ 0)	:	:	IBR	3-1-00-18		MB
		ļ					
	Undefined Mode Commands	3-0-01-00	: !	es T	3-0-01-00	3-0-0-00	CS
	A: (98/ 0/ 0) B: (98/ 0/ 0)	31-0-00-00	:	IR IBR	31-0-00-00	3-4-0-16	NR MB
	1 2:(30, 0, 0,	3-1-00-10	3.4.0.10	иык	3-1-00-18	3-4-0-16	I ME
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UBTITLE:	Required Protocol Tests 1. Response to Command Wor	:	ATE: 2	r M	ov 20 1 3	Page:	

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Section	1	escrip		mt)	BU Command	J S A Response	STAT	B U Command	S B Response	STA'	
5.2.1.1 5.2.1.1.2	Non-Br	sponse d Word	to s							1	
	Valid,	Legal	Comm	ands		3-0-0-00	l Cs		3-0-0-00	l Icc	
	A:(896/	0/	0)	3-0-01-01		cs	3-0-01-00		CS	
	В; (896/	0/	0)	:	4-0-0-00	cs	4-1-01-01		cs	
	1 2.1	0307	٠,	0)	:	3-0-0-00	cs	!!		CS	
					3-1-00-10	3-0-0-00		3-1-00-18	3-0-0-00		
	 Valid,	Illeg	al Co	mmands	3-0-01-00	3-0-0-00	 cs	3-0-01-0c	3· 0-C-00	 CS	
	A: (64/	0/	0)	3-0-25-01	3-4-0-00	ME	3-0-25 01	3-4-0-00	ME	
	В: (64/	0/	0)	4-1-01-01	4-0-0-00	cs	4-1-01-01	4-0-0-00	İcs	
					3-1-00-18	3-4-0-00	ME	3-1-00-18	3 4 0-00	ME	
	 T7.	-3 -C			! !			 			
	1	đ Comm			: :		CS	3-0-01-00		CS	
	A: (30720/	0/	0)	0-0-00-00		NR	0-0-00-00		NR	
	B: (30720/	0/	0)	:	2-0-0-00] CS	2-1-01-00		CS	
					3-1-00-18	3-0-0-00	CS 	3-1-00-18 	3-0-0-00	CS 	
	 Legal	Mode C	omman	ds	3-0-01-00	3-0 0-00	 CS	3-0-01.00	3-0-0-00	 cs	
	A: (2/	0/	0)	3-0-00-17	3-0-0-00	cs	3-0-00-17	3-0-0-00	CS	
	B1 (2/	0/	0)	4-1-01-01	4-0-0-00	cs	4-1-01-01	4-0 0-00	İcs	
	Í				3-1-00-18	3-0-0-00	cs	3-1-00-18	3-0-0-00	cs	
	 Tllega	ıl Mode	Comm	ands	3-0-01-00	3-0-0-00	i Ics	3.0.01-00	3-0-0-00	i Ics	
	A: (4/	0/	0)	1	3-4-0-00	ME	3-0-00-20		ME	
	B: (4/	0/	0)	1	4-0-0-00	;	4-1-01-01		CS	
		-7	٠,	2,	1	3-4-0-00	ME	3-1-00-18	3-4-0 00	ME	
		and Ma	J. O.	mmands							
	}				3-0-01-00		CS	3-0-01-00		CS	
	A: (58/	0/	0)	3-0-00-00	!	ME	3-0-00-00	! !	ME	
	B: (58/	0/	0)	4.1.01-00	l k	CS	4-1-01-00	! !	CS	
					31.00-18	3-4-0-00	ME	3-1-00-18	3-4-0 00	ME	
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eference	;	escrip			В			BUSB			
Section	Bus: (run	cnt/ error	s/ busy	cnt)	Command	Response	STAT	Command	Response	ST	
.2.1.1	 Response t	റ ്റെന്ന	W bre	ords						İ	
.2.1.1.2	RT-RT Re			OLUB	1		 			l I	
		d Word:			1						
	Non-Br	oadcas	t Tra	nsmit						i	
	Comm	ands			į						
	 Valid,	Legal	Comm	ands	 3-0-01-00	300-00	l Ics	3-0-01-00	3-0-0-00	l lcs	
	A: (896/	0/	0)	4-0-01-01		NR	4-0-01-01		NR	
	B:(896/	0/	0)	3-1-01-01	3-0-0-00	cs	3-1-01-01	3-0-0-00	Cs	
	İ				3-1-00-18	3-0-0-00	CS	3-1-00-18	3-0-0-00	cs	
	Ì				į			į		į	
	Valid,	Illeg	al Co	mmands	 3-0-01-00	3-0-0-00	 CS	3-0-01-00	3-0-0-00	 cs	
	A: (64/	0/	0)	4.0.01-01		NR	4-0-01-01		NR	
	B:(64/	0/	0)	3-1-26-01	3-4-0-00	ME	3 1-26-01	3-4-0-00	ME	
					3-1-00-18	3-4-0-00	ME 	3-1 00-18 	3-4-0-00	ME	
	 Invali	d Comm	ands		3-0-01-00	3-0-0-00	cs	3-0-01-00	^ 0 5 60	cs	
	A: (30720/	0/	0)	2-0-01-00		NR	2-0-01-00		NR	
	В: (30720/	c/	0)	0-1-00-00		NR	0-1-00-00		NR	
		,			3-1-00-18		:	3-1-00-18		CS	
	l Togal	 					CC] 			
	negar A:	14/	0/ 0/	.us 0)	3 · 0 · 01 - 00 4 · 0 · 01 · 00	3-0-0-00	CS NR	3-0-01-00		CS	
	B: (3.4/	0/	0)	3-1-00-01		CS	4-0-01-00	2.0.00	NF	
		3.27	O,	0,	3-1-00-15		CS	3-1-00-01 3-1-00-18	3-0-0-00	CS	
	 T330000	J Mada			i 						
	<u> </u>	ıl Mode			:	3-0-0-00	CS	3-0-01-00		CS	
	A: (B: (2/ 2/	o/ o/	0) 0)	4-0-01-00	!	NR ME	4-0.01.00		NE	
	B:(2/	0/	0}	3-1-00-18	3-4-0-00 3-4-0-00	ME ME	3-1-00-00	3-4-0-00 3-4-0-00	ME	
					1			 			
	Undefi	ned Mo	de Co	mmands	3-0-01:00	3-0-0-00	CS	3-0-01-00	3-0 0 00	įcε	
	A: (40/	0/	0)	4-0-01-00		NR	4.0 01-00		NF	
	B: (40/	0/	0)	3-1-00-09	:	ME	3-1-00-09	3-4-0-00	ME	
					3-1-00-18	3-4-0-00	ME 	3-1.00-18	3-4-0-00	ME	
						 				İ	

and the state of t

	SYSTEMS, Inc. MIL-	· .					į:	11/21/13 (18:47:38)			
Reference Section	Test De	_		cnt)	B U	JSA Response	STAT	B U	S B Response	STA	
5.2.1.1 5.2.1.1.2	Response to RT-RT Res Command Broadca	sponse 1 Word: ast Re	to s	ords							
	Valid, A:(B:(Legal 896/ 896/	Comm º/ º/	ands 0) 0)	3-0-01-00 31-0-01-01 0-1-01-01 3-1-00-18		CS NR CS BCR	3-0-01-00 31-0-01-01 0-1-01-01 3-1-00-18	0 0-0-00	CS NR CS BCR	
	Valid, A:(B:(Illeg 64/ 64/	al Co 0/ 0/	mmands 0) 0)	3-0-01-00 31-0-25-01 0-1-01-01 3-1-00-18	 0-0-0-00	CS NR CS MBR	3-0-01-00 31-0-25-01 0-1-02-01 3-1-00-18	0-0-0-00	CS NR CS MBF	
	Invalio	i Comm	ands				 N/A N/A N/A N/A			N,	
	Legal I	Mode C 2/ 2/	omman º/ º/	ds 0) 0)	31-0-00-17 0-1-01-01		CS NR CS BCR	3-0-01-00 31-0-00-17 0-1-01-01 3-1-00-18	- ·· ·	CS NR CS BCI	
	Illega:	l Mode 4/ 4/	Comm o/ o/	ands 0) 0)	31 ·0··00·20 0-1-01-01	3-0-0-00 0-0-0-00 3-4-0-16	NR CS	31-0-00-20	0-0-0-00	CS NR CS MB	
	Undefi: A:(B:(ned Mo 58/ 58/	de Co º/ º/	mmands 0) 0)	31-0-00-00	3-0-0-00 0-0-0-00 3-4-0-16	NR CS	31-0-00-00 0-1-01-00	3-0-0-00 0-0-0-00 3-4-0-16	CS NR CS MB	
SUBTITLE:	Required Pr					 				1	

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT TEST SYSTEMS, Inc. 11/21/13 (18:47:38) Reference Test Description BUS BUS B Section Bus: (run cnt/ errors/ busy cnt) Command Response STAT Command Response STAT 5.2.1.1 Response to Command Words 5,2,1.1.2 RT-RT Response to Command Words Broadcast Transmit Commands Valid, Legal Commands N/A N/A N/A N/A|| N/A N/A[N/A N/A Valid, Illegal Commands | 3-0-01-00 | 3-0-0-00 | CS 3-0-01-00 3-0-0-00 CS A: (960/ 0/ 0) 0-0-01-01 - - -NR 0-0-01-01 - - -NR- - -B:(960/ 31-1-01-01 NR - - -0/ G) 31-1-01-01 NR 3-1-00-18 3-4-0-16 MBR 3-1-00 18 3-4-0-16 MBR Invalid Commands N/A N/A| N/A N/A N/A N/A N/AN/A| Legal Mode Commands 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS A: (6/ 0/ 0-0-01-00 - - -NR 0-0-01-00 - - -NR B; (6/ 0/ 0) 31-1-00-01 NR 31-1-00-01 NR 3-1-00-18 3-0-0-16 BCR 3-1-00-18 3-0-0-16 BCR Illegal Mode Commands 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS A: (10/ 0/ 0) 0-0-01-00 - - -NR 0-0-01-00 NR B:(10/ 31-1-00-00 - - -NR 31-1-00-00 - - -NR 3-1-00-18 3-4-0-16 MBR 3-1-00-18 3-4-0-16 MBR Undefined Mode Commands 3-0-01-00 3 0-0-00 CS 3-0 01-00 3-0-0-00 CS Ar (- - -40/ 0/ 0) 0-0-03-00 NR 0.0.01-00 - - -NR B: (40/ 0/ 0) 31-1-00-09 . - -NR 31-1-00-09 - - -NR 3-1-00-18 3-4-0-16 MBR 3-1-00-18 3-4-0-16 MBR SUBTITLE: Required Protocol Tests DATE: 21 Nov 2013 Page: 5.2.1.1. Response to Command Words TIME: 20:48:17 14 of 26

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT By: TEST SYSTEMS, Inc. 11/21/13 (18:47:38)

Reference	Test Description	ВТ	IS A		BU	S B	
Section	Bus: (rum cnt/ errors/ busy cnt)	Command	Response	STAT	Command	Response	STA
5.2.1.2	Intermessage Gap		i				
5.2.1.2.1	Minimum Time	į į			į į		ĺ
	BC-UUT Transfer	3-0-05-00	30000	CS	3 0 -05 00	3 0 -0 -00	cs
	A:(1000/ 0/ 0)	3-0-01 00	3-0-0-00	cs	300200	3-0-0-00	cs
	B: (1000/ 0/ 0)				i i		i
	UUT-BC Transfer	3-1-02-00	3-0-0-00	cs	3-1-02-00	3-0-0-00	cs
	A: (1000/ 0/ 0)	3-0-01-00	3-0-0-00	cs	1 :	3-0-0-00	cs
	B: { 1009/ 0/ 0}	i i			i i		į
•	UUT/RT Transfer	3-0 21-00	3-0-0-00	cs	3-0-21-00	3 0 -0 -30	cs
	A: (1000/ 0/ 0)	4-1-01-00		cs	4-1-01-00	4-0 0 CO	cs
	B:(1000/ 0/ 0)	1 1	3-0-0-00	cs	3-0-01-00	3-0-0-00	CS
] B.(1000) 0, 0,	1 2 4 47 40 1	3 0 0 00	0.0	3 0 01 00	3 0 0 00	
	RT/UUT Transfer	25-0-01-00	25-0-0-00	DC	4-0-01-00	4-0-0-00	DC
	Az (1000/ 0/ 0)	!!!	3-0-0-00	cs	3-1-24-00		CS
	B: (1000/ 0/ 0)	: :		CS	3-0-01-00		CS
	I	1 3 0 01 00	30000		1 0000000	3 0 0 00	00
	Mode Command w/o data	3-1-00-01	3-0-0-00	CS	3-1-00-01	3-0-0-00	cs
	A: (1000/ 0/ 0)	3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	cs
	B: (1000/ 0/ 0)	3-0-02-00	3-0-0-00		3-6-01-60	3-0-0-00	00
	Mode Command,	3-1-00-16	3-0-0-00	l CS	3-1-00-16	3-0-0-00	CS
	Transmit w/Data	3-0-01-00		cs	! !		cs
	:	3-0-01-00	3-0-0-00	l Co	3-0-01-00	.3-0-0-00	100
	·		<u> </u>	i I	 		
	B: (1000/ 0/ 0)		 	l co			
	Mode Command,	1	3-0-0-00	CS	3-0-00-17		CS
	Receive w/Data	3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	CS
	A: (1000/ 0/ 0)		 				1
	B: (1000/ 0/ 0)		 	1			
	Broadcast BC-UUT	31-0-00-00	:	NR	31-0-00-00	!	NR
	A: (1000/ 0/ 0)	3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	CS
	B:(1000/ 0/ 0)			1	1		
	Broadcast RT/UUT	31.0 01 30	i	NR	31-C-01-30		NR
	A: (1000/ 0/ 0)	3 - 1 - 30 - 30	3-0-0-00	CS	1	3-0-0-00	CS
	B:(1000/ 0/ 0)	3 · 0 · 01 · 00	30000	CS	3-0-07-00	3-0-0-00	CS
	Broadcast UUT/RT	31-0-00-17	 	 NR	31-0-00-17	! 	 NR
	A: (1000/ 0/ 0)	0-1-01-01	1	:	0-1-01-01	:	cs
	B: { 1000/ 0/ 0)	3-0-01-00	1	1 .	3-0-01-00	!	cs
	1	1 3 0 01 00	30000		2 0 02 00		
	Broadcast Mode Cmnd	31-1-00-01	i	NR	31-1-00-01		NR
	w/o data	3-0-01-00	3-0-0-00	cs	3-0-01,-00	3-0-0 CO	CS
	A: (1000/ 0/ 0)	İ	İ	İ	İ	j	İ
	B: (1000/ 0/ 0)	i		İ	i	j	
	Broadcast Mode Cmnd	31-0-00-17	i	NR	31-0-00-17		NR
	w/data	}	3-0-0-00	1	:	3-0-0-00	cs
	A: (1000/ 0/ 0)						
	B: (1000/ 0/ 0)		1				1
	D+/ 1000/ 0/ 0/	i	1	1	1	l	l

5.2.1.2. Intermessage Gap

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TIME:

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT TEST SYSTEMS, Inc. 11/21/13 (18:47:38) By: Reference Test Description BUSA BUS B Section Bus: (rum cnt/ errors/ busy cnt) Command Response STAT Command Response STAT ||5.2.1.2|Intermessage Gap 5.2.1.2.2 Transmission Rate Transmit-Transmit 3-1-06-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS A: (19344/ 0/ 0) 3-1-07-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS B: (19344/ 0/ 3-1-06-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 0) 3-1-07-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS Busy (usec) 0 0 | Receive-Receive 3-0-10-00 3-0-0-00 CS 3-0-10-00 3-0-0-00 CS A:(19322/ 0/ 3-0-11-00 3-0-0-00 CS 3-0-11-00 3-0-0-00 CS 3-0-10-00 3-0-0-00 CS B:(19350/ 0/ 3 0 ·10 ·00 | 3-0-0-00 | CS 3-0-11-00 3-0-0-00 CS 3-0-11-00 3-0-0-00 CS Busy (usec) 0 | 0 [Transmit-Receive 3-1-20-00 3-0-0-00 CS 3-1-20-00 3-0-0 00 CS 3-0-21-00 3-0-0-00 CS A: (19328/ 0/ 3-0-21-00 3-0-0-00 CS 3-1-20-00 3-0-0-00 CS B:(19354/ 0) 3-1-20-00 3-0-0-00 CS 0/ 3-0-21-00 3-0-0-00 CS 3-0-21-00 3-0-0-00 CS Busy (usec) 0 Ω ||5.2.1.3 Error Injection 5.2.1.3.1 Parity [5.2.1.3.1.1] Transmit Command 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 3-1-06-00 - - NR 3-1-06-00 - ... 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS 5.2.1.3.1.2 Receive Command 3.0.01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 3 0 · 05 · 00 - - - NR 3-0-05-00 - - -3-3-00-02 3-0-0-00 CS 3-1-00-02 3:0:0-00 CS 15.2.1.3.1.3 Receive Data Words 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS A: (32/ 0/ 0) 3-0-05-00 - - -NR 3-0-05-00 - - -NR B: (32/ 0/ 0) 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME SUBTITLE: Required Protocol Tests DATE: 21 Nov 2013 | Page: TIME: 20:48:17 16 of 26 5.2.1.2. Intermessage Gap

I						11/21/13 (18:47:38					
Reference	Test De	acrint	don		В	S A		BUSB			
Section	Bus: (run c	_		cm+1	Command	Response	STAT	!	Response	STA	
		THE CENTER	- Dusi			Nesponse				+	
5.2.1.3.2	Word Leng	+ b									
5.2.1.3.2.1	Transmi		and		3-0-01-00	2.0.0.00	cs] 3-0-01-00		l Cs	
J.2.1.J.2.1	A: (2/	0/	0)	3-1 06-00		NR	3-1-06-00		NR	
	В: (2/	0/	0)	3-1-00-02		CS	3-1-00-02		CS	
5.2.1.3.2.2	Receive	Comma	and.]			<u> </u>			
3.2.1.3.2.2	Short R			manda	3-0-01-00	20000	CS	 3-0-01-00	1 7 0 0 00	l Cs	
i	A: (2/	0/	0)	3-0-01-00		NR	3-0-05-00		NR	
	B: (2/	0/	0)	3-1-00-02		lcs	3-1-00-02		ICS	
i 	В: (2/	07	0)	3-1-00-02	3 -0- 0-00	0.5	3-1-00-02	3-0-0-00	03	
	Long F	eceive	e com	mands	3-0-01-00	3-0-0-00	CS	3 -001-00	3-0-0-00	CS	
	A: (2/	0/	0)	3-0-05-00		NR	3-0-05-00		NR	
-	B: (2/	0/	0)	3-1-00-02	3-4-0-00	ME	3-1-00-02	3-4-0-00	ME	
5.2.1.3.2.3	Receive	Data	Word	le	3-0-01-00	3-0 0-00	cs	3-0-01-00		l Cs	
1	A: (126/	0/	0)	3-0-05-00	3-0 0.00	NR	3-0-05-00		NR	
1	B: (126/	0/	0)		3-4-0 00	ME	3-1-00-02	i i	ME	
.	2-1	120,	٠,	٥,	3 1 00 02	3,000		3-1-00-02	3-4-5 00	1	
5.2.1.3.3	Bi-Phase	Encod	ing				•				
5.2.1.3.3.1	Transmi	t Comr	nand		3-0-01-00	3-0-0-00	CS	3 -0 01 - 00	3-0-0-00	CS	
	A: (34/	0/	0)	3-1-06-00		NR	3-1-06-00		NR	
	B:(34/	0/	0)	3 1-00-02	3-0-0-00	CS	3-1-00-02	3-0-0-00	CS	
5.2.1.3.3.2	Receive	Comma	and		3-0-51-00	30-0-00	CS	3-0-01-00	l 3-0-0-00	cs	
	Ar (34/	0/	0)	3-0-05-00		NR	3-0-05-00	i 	NR	
	В; (34/	0/	9)	3-1-00-02	3-0-0 00	cs	3-1-00-02	3 0 0-00	cs	
5.2.1.3.3.3	Receive	. Data	Word	ls	3.0-01-00	3-0-0-00	cs	3001-00]] 3-0-0-00	l les	
	A: (1088/	0/	0)	3-0-05-00		NR	3-0-05-00		NR	
İ	В: (1088/	0/	0)	3-1-00-02	!	ME	1	3 4-0-00	-	
					j		İ	İ	İ	į	
5.2.1.3.4	Sync Enco	_							[
5.2.1.3.4.1	Transmi		nand		3-0-01-00	3-0-0-00	CS	3-0-01-00	3 0 -0-00	CS	
	A: (5/	0/	0)	3-1-06-00	!	NR	3-1-06-00		NR	
	₽: (5/	0/	0)	3-1-00-02	3-0-0-00	CS	3-1-00-02	3 0-0-00	CS	
5.2.1.3.4.2	Receive	e Comma	and		3-0-01-00	 3-0-0-00	 CS	3-0-01-00] 3.0.0.00	 CS	
	A: (5/	0/	0)	3 0 -05 -00	;	NR	3-0-05-00	}	NR	
į	B: (5/	0/	0)	3 -1 -00-02	3-0-0-00	cs	3-1-00-02	3 0 -0-00	cs	
5,2,1,3,4,3	Receive	• Data	Word	is.	1_0_01_00	30.0-00	 cs	3_0 01 00	 3 0 0-00	lcs	
	A: (160/	0/	0)	3-0-05-00	:	NR	3-0-01-00	-	NR	
ļ	B: (160/	0/	0)	3 1-00-02	;	ME	i i	3-4-0-00	!	
į		•				į		į		-	
						<u> </u>					
SUBTITLE: R	equired Pro	otocol	Test	t s		ATE:	21 No	v 2013	 Page:		

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT 11/21/13 (18:47:38) ∥By: TEST SYSTEMS, Inc. BUSB Reference Test Description BUS Α Command | Response | STAT Section Command Response STAT Bus: (rum cnt/ errors/ busy cnt) **∦**5.2.1.3.5 Message Length 5.2.1.3.5.1 Transmit Command 3.0.01.00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS - - -NR 3-1-06-00 NR 3-1-06-00 3-1-00-02 3-4-0-00 ME MĒ 3-1-00-02 3-4-0-00 Receive Command [5,2.1.3.5.2]3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS - - -NR 3-0-05-00 NR A : (33/ o/ 3-0-05-00 В; (33/ 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME Receive Mode Command 5.2.1.3.5.3 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 3-0-00-17 - - -NR - - -NR 3-0-00-17 A: (2/ 0/ 3-4-0-00 ME B: (2/ 3-1-00-02 3-4-0-00 ME 3-1-00-02 Transmit Mode Command 3-0-01-00 3 0 0 00 CS 3-0-01-00 3-0-0-00 CS _ 3-1-00-01 NR - - -A: (1/ 0/ 3-1-00-01 NRME ME 1/ 0/ 3-1-00-02 3-4-0-00 3-1-00-02 3-4-0-00 ||5.2.1.3.5.4 RT-RT Word Count Error 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 1cs 4-1-01-00 4-0-0-00 CS 4-1-01-00 | 4-0-0-08 | CS A: (2/ NR B: (2/ 0/ 0) 3-0-08-00 3 -0 -08-00 NR CS 4 1 01 00 4-0-0-00 CS 4-1-01-00 4-0-0-00 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME 5.2.1.3.6 Contiguous Data 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0 00 CS NR A: (32/ 0/ 3 -0 -05 -00 3-0-05-00 - - -NR 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME 8:1 32/ 0) 0/ Terminal Fail-Safe 5.2.1.3.7 5.2.1.4 Superseding Commands part A 3-0-01-00 NR 3-0-01-00 - - -NR 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0 CS 3 1 00 02 3-0-0-00 CS 3-1-00-02 3 0 0 00 CS part B NR 3-0-01-00 3.0 01.00 NR 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME part C 3-0-01-00 NR 3-0-01-00 NR CS CS 3 -1 - 01 - 00 | 3 - 0 - 0 - 00 3-1-01-00 3-0-0-00 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS NR part D 3-0-01-00 NR 3-0-01-00 3-1-01-00 3-0-0-00 CS 3-1-01-00 3 0-0-00 CS 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS Required Protocol Tests DATE: SUBTITLE: 21 Nov 2013 Page: 5.2.1.3.5. Message Length TIME: 20:48:17 18 of 26

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT

By: TEST SYSTEMS, Inc.

CVL24.DAT | 11/21/13 (18:47:38) |

Reference	Test De	BUSA			ļ BU	SB				
Section	Bus: (run er	t/ error	s/ busy	cnt)	Command	Response	STAT	Command	Response	STA'
5.2.1.5	Required Mod			ls						
5.2.1.5.1	Transmit	Status	3		3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	CS
	A: (2/	0/	0)	3-1 00-02	3-0-0-00	CS	3-1-00-02	3: 0: 0::00	CS
	B: (2/	0/	0)	300100	3 -00 -00	CS	3-0-01-00	3.00.0.00	CS
					3-1-00-02	3-0-0-00	CS	3-1-00-02	3-0-0-00	cs
					3-0-01-00		NR	3-0-01-00		NR
					3-1-00-02	3-4-0-00	ME	3-1-00-02	3-4-0-00	ME
					3-1-00-02	3-4-0-00	ME	3-1-00-02	3 -4 -0-00	ME
					3 -1 -0002	3-4-0-00	ME	3-1-00-02	3 - 4 - 0 - 00	ME
					3.0.01-00	3-0-0-00	CS	3-0-01 00	3-0-0-00	CS
					3-1-00-02	3-0-0-00	CS	3-1-00-02	3-0-0-00	CS
					3-1-00-02	3-0-0-00	CS	3 1-00-02	3-0-0-00	CS
5.2.1.5.2	Xmtr Shut	down/0	Overn	ride	3-0-01-00	3-0-0-00	l Ics	3-0-01-00	3-0-0-00	cs
	A: (4/	0/	0)	3-0-01-00		cs	3-0-01-00		CS
	B:(4/	0/	0)	3-1-00-04	3-0-0-00	cs	3-1-00-04	3-0-0-00	CS
	,	·	- 7		3-0-01 00		NR	3-0-01-00		NR
					3-0-01-00	3 0 -0 -00	CS	3-0-01-00		CS
					3-1-00-05		NR	3-1-00-05		NR
					3-0-01-00		NR	3-0-01-00		NR
					:	3-0-0-00	CS	3-1-00-05		!
					:	3-0-0-00	cs	3-0-01-00		:
					:	3-0-0-00	lcs	3-0-01-00	3-0-0-00	CS
5.2.1.5.3	Reset Rem	ote T	armir	121	1 3.0.01-00] 3-6-8-88	1	3-6-01-00	3-0-0-00	103
J.2.1.J.J	1			Response	 3_1_86_69	 3.0-0-00	cs	3-1-00-08	3-0-0-00	l Cs
	A: (1764/	0/	0)	i	3 0 0 0 0 0	cs	: :		lcs lcs
•	B: (1764/	0/	0)	3-1-00	3 U · U · DO 	j CS	3-1-00 00	3-0-0-00	105
	(T ≤ 5000		u/	0)	 	 	 	 	4	
	Shutdow				 3 1 80 04	3-0-0-00	 CS	1	4	Laa
	A: (2/	0/	0)	3-1-00-04	:	NR	1 :	3-0-0-00	!
	В:(2/			:	3-0-0-00	cs	3-1-01-00		NR
] B:(2/	0/	0)	•	•	cs	1	3 · 0 · 0 – 00	CS
					3-1-01-00	3-0-0-00	05	3-1-01-00	3 0-0-00	l CS
5.2.1.6	Data Wrap-a	round			3-0-30-00	3-0-0-00	cs	3-0-30-00	3.0 0.00	cs
	A: (10000/	0/	0)	3-1-30-00	3-0-0-00	cs	3-1-30-00	3-0-0-00	İcs
	В: (10000/	0/	0)	j	į	İ	j		i
5.2.1.7	RT-RT Timeo	ut De	lay		Ì	Ì	İ	i		İ
	Time to f	irst :	NR		3-0-01-00	i	NR	3-0-01-00		NR
	İ				1	:	CS		4-0-0-00	1
	İ				!	3 4-0-00		:	3-4-0-00	
	(54us ≤ T	≤ 60	us)			57 <i>.</i> 5			57.5	!
	Time to f				3-0-01-00	3-0-0-00	!	3 0.07-00	3-0-0-00	!
						4-0-0-00	!	:	4-0-0-00	!
					!	3-0-0-00		1	3-0-0-00	1
	(54us ≤ T	' < 60	us)		1 2 1 20-02	57.0	:	1 2.1-00-02	57.0	
	(5200 3 1	_ 00	<i>uu ;</i>		<u> </u>	٠,,,	1		ں . ر د ا	1 .i

TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT 11/21/13 (18:47:38) By: TEST SYSTEMS, Inc. BUS A BUS B Reference Test Description Section Command Response STAT Command Response STAT Bus: (rum cnt/ errors/ busy cnt) 5,2.1.8 Bus Switching RT Transmitting Valid, Legal Command NR 3-1-02-00 ---3-1-02-00 - - -3-1-05-00 3-0-0-00 CS 3-1-05-00 3-0-0-00 CS A:(10945/ 0/ 0) B: (10945/ 0/ 0) 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS Command w/Parity Error 3-1-02-00 3-0-0-00 CS 3-1-02-00 3-0-0-00 CS 10945/ 0/ 0) 3-1-05-00 --- NR 3-1-05-00 ... A: (3-1-00-02 3-0 0-00 CS B: (10945/ 0/ 0) 3-1-00-02 3-0-0-00 CS Command to another RT 3-1-02-00 3-0-0-00 CS 3-1-02-00 3 0-0-00 CS 4-1-05-00 --- NR A: (10945/ 0/ 0) 4-1-05-00 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS B: (10945/ 0/ 0) RT Receiving Valid, Legal Command 3-0-01-00 --- NR 3-0-01-00 - -NR A: (11649/ 0/ 0) 4-1-05-00 4-0-0-00 CS 4-1-05-00 4-0-0 00 CS 3-1-05-00 3-0-0-00 CS B: (11649/ 0/ 0) 3-1-05-00 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS Command w/Parity Error 3-0-02-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 4-1-05-00 4-0-0-00 CS A: (11649/ 0/ 0) 4 1-05-00 4-0-0-00 CS B: (11649/ 0/ 0) 3-1-05-00 - - -NR 3-1 05-00 --- NR 3-1-00-02 3-0-0-00 CS 3-1-00-02 3-0-0-00 CS Command to another RT 3-0-01-00 3-0-0-00 CS 3.0.01 00 3-0-0-00 CS A: (11649/ 0/ 0) 4-1-05-00 4-0-0-00 CS 4-1 05 00 4-0-0-00 CS 0/ 0) B: (11649/ 4-1-05-00 - - -NR 4-1,-05 00 ----NR 3-1-00-02 3-0-0-00 CS 3 1. 00 02 3-0-0-00 CS ||SUBTITLE: Required Protocol Tests DATE: 21 Nov 2013 | Page: TIME: 20:48:17 20 of 26 5.2.1.8. Bus Switching

eference Section	Test Description	BUSA			вт	IS B		
	Bus: (run cnt/ errors/ busy cnt)	Command		STAT	1	Résponse	STAT	
.2.1.9	Unique UUT Address part A			 	 		 	
	UUT Adr 0	0-0-05-00	0-0-0-00	cs	 0-0-05-00	0-0-0-00	100	
	UUT Adr 1	1-0-05-00	1-0-0-00	cs	1-0-05-00		CS	
	UUT Adr 2	2-0-05-00		cs	2-0-05-00		cs	
	UUT Adr 3	3-0-05-00		CS	:	3-0-0-00	cs	
	UUT Adr 4	4-0-05-00		cs	4.0-05-00		cs	
	UUT Adr 5	5-0-05-00		cs	5.0.05.00		cs	
	UUT Adr 6	6-0-05-00	1	cs	6-0-05-00		1	
	UUT Adr 7	7-0-05-00	7-0-0-00	cs	:	7-0-0-00	:	
	UUT Adr 8	8-0-05-00	:	cs	8-0-05-00		CS	
	UUT Adr 9	9-0-05-00	I F	CS	9-0-05-00		cs	
	UUT Adr 10 (0A)	10 -0-05-00	:	cs	10-0-05-00		cs	
	UUT Adr 11 (0B)	11 -0 - 05 - 00	:	cs	11-0-05-00		cs	
	UUT Adr 12 (0C)	12-0-05-00	:	CS	12-0-05-00		1	
	UUT Adr 13 (0D)	13-0-05-00	:	cs	13-0-05-00		:	
	UUT Adr 14 (0E)	14-0-05-00	,	cs	14-0-05-00		:	
	UUT Adr 15 (0F)	15-0-05-00	•	CS	15-0-05-00		:	
	UUT Adr 16 (10)	16-0-05-00	:	lcs	16-0-05-00		1	
	UUT Adr 17 (11)	17-0-05-00	1	lcs	17-0-05-00		cs	
	UUT Adr 18 (12)	18-0-05-00	:	CS	18-0-05-00	i	cs	
	UUT Adr 19 (13)	19-0-05-00	i	cs	19-0-05-00	:	cs	
	UUT Adr 20 (14)	20-0-05-00	!	cs	20-0-05-00	:	cs	
	UUT Adr 21 (15)	21-0-05-00	!	cs	21-0-05-00	:	CS	
	UUT Adr 22 (16)	22-0-05-00	!	cs	22-0-05-00	:	CS	
	ÚUT Adr 23 (17)	23-0-05-00	:	cs	23-0-05-00	! !	CS	
	UUT Adr 24 (18)	24-0-05-00	1	cs	24-0-05-00	:	CS	
	UUT Adr 25 (19)	25-0-05-00	1	ics	i	<u> </u>	;	
	UUT Adr 26 (1A)	26-0-05-00	1	Ics	25-0-05-00	!	CS CS	
	UUT Adr 27 (1B)	27-0-05-00		CS	27-0-05-00	:	cs	
	UUT Adr 28 (1C)	28 -0 -05 -00	•	CS	28-0-05-00	:	CS	
	UUT Adr 29 (1D)	29-0-05-00	:	CS	29-0-05-00	:	1	
	UUT Adr 30 (1E)	30.0.05 00	:	CS	30-0-05-00	!	1	
	UUT Adr 31 (1F)	31-0-05-00	:	NR	31-0-05-00		NR	
	part B	31-0-05-00	 	NR	31-0-05-00		 NR	

Particle Programme

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	S, Inc. MIL-STD-1553B RT VALIDA SYSTEMS, Inc.	ATION TI	EST REPO		CVL24.DAT 11/21/13 (18:47:38)			
Reference	Most Description				BUSB			
Section	Test Description	_	USA -	Lamam	!	_	Lemar	
section	Bus: (run cnt/ errors/ busy cnt)	Command	Response	STAT	Command	Response	[STAT	
5.2.2.1	Optional Protocol			<u> </u>	'"		! !	
5.2.2.1.1	Dynamic Bus Control	3-1-00-00	3.4-0-00	ME	3 -1 -00-00	3-4-0-00	ME	
	A: (2/ 0/ 0)							
	B: (2/ 0/ 0)			ĺ				
5.2.2.1.2	Synchronize		İ	İ	i		i	
5.2.2.1.2.1	Synchronize without data	3 1.00-01	3-0-0-00	cs	3-1-00-01	3-0-0-00	cs	
	A: (2/ 0/ 0)		i					
	B: (2/ 0/ 0)		Ï					
5.2.2.1.2.2	Synchronize with data	3-0-00-17	3-0-0-00	cs	3-0-00-37	3-0-0-00	cs	
	A: (2/ 0/ 0)				1 2 0 00 27	3-0-0-00	(1)	
	B:(2/ 0/ 0)		! 	i				
	SYNC Word		0000	İ		0000		
5.2.2.1.3	Initiate Self-Test	3-1-00-03	3-0-0-00	cs	3-1-00 03	3-0-0-00	cs	
	A: (1964/ 0/ 0)		3-0-0-00	CS	3-1-01-00	3-0-0-00	CS	
	B: (1964/ 0/ 0)			55	5 1 01 30	1-5-0-00	05	
	(T ≤ 100,000us)		4	l		4		
	, , , , , , , , , , , , , , , , , , , ,		I ~	l				
5.2.2.1.4	Transmit BIT word	3 1.00-19	3-0-0-00	cs	3-1-00-19	3-0-0-00	cs	
	A: (2/ 0/ 0)							
	B: (2/ 0/ 0)		i					
	BIT Word		200c	l	i '	200c		
5.2.2.1.5	Selective Xmtr Shutdown	3-0-01-00	3-0-0-00	cs	3-0-01 00	,	cs	
	A: (4/ 0/ 0)		3-0-0-00	cs	3-0-01-00		cs	
	B: (4/ 0/ 0)		3-4-0-00	ME	3-0-00-20		ME	
			3-0-0-00	cs	3-0-01-00		cs	
		3-0-01-00	3-0-0-00	cs	3-0-01-00		CS	
		3-0-00-21	3 4-0-00	ME	3-0-00-21	34-0-00	ME	
		3-0-01-00	3-0-0-00	cs	3-0-01-00		cs	
		3-0-00-21	3-4-0-00	ME	3-0-00-21	3-4-0-00	ME	
		3-0-01-00	3-0-0-00	cs	3-0-01-00		CS	
	1	3-0-01-00	3-0-0-00	cs	i	3-0-0-00	CS	
		3-0-00-20	1	ME	;	3-4-0-00	ME	
	·	3-0-01-00	!	CS	1	3-0-0-00	CS	
	·	3-0-01-00	3-0-0-00	CS	1	3 -0-0-00	!	
	Alt Bus Selection Word		0000	İ	İ	0000	1	
	Pri Bus Selection Word		0000	İ	i	0000	İ	
							İ	
5.2.2.1.6	Terminal Flag Bit Inhibit	3 -0 01 - 00	3-0-0-00	CS	3-0-01-00	3-0-0-00	CS	
	A: (4/ 0/ 0)	3 -1 -01 - 01	3-0-0-01	DC	3-1-01-0%	3-0-0-01	DC	
	B: (4/ 0/ 0)	3-0-0% 00	3-0-0-01	TF	3-0-01-00	3 0-0-01	TF	
		3-1-00-06	3 -0 -0-00	cs	3-1-00-06	3-0-0-00	CS	
]	3-0-01-00	3-0-0 00	CS	3-0 01-00	3-0-0.00	CS	
		3-1-31-07	3-0-0-01	TF	3-1-31.07	3-0-0-01	TF	
		3-0-01-00	3-0-0-01	TF	3-0-01-00	3-0-0-01	TF	
		3-1-01-01	3-0-0-00	DC	3-1-01-01	3-0-0-00	DC	
		3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	cs	
		<u> </u>	1	L	"L	ļ. <u></u>	<u> </u>	
SUBTITLE: (Optional Protocol Tests	D.	ATE:	21 No	v 2013	Page:		
5.2.2.1	. Optional Protocol	T	IME:	20:4	8:17	1 22 0	f 26	

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TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT CVL24.DAT TEST SYSTEMS, Inc. 11/21/13 (18:47:38) Reference Test Description BUS A BUSB Section Command | Response | STAT Bus: (run cnt/ errors/ busy cnt) Command Response STAT 5.2.2.1.7 Transmit Vector Word 3-1-00-16 3-0-0-00 CS 3-1-00-16 3-0-0-00 CS A: (B: (0/ 0) VECTOR Word 1272 1272 Transmit Last Command 5.2.2.1.8 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0 00 CS 2/ 0/ 3-0-01-01 - - -NR 3-0-01-01 A: (NR 3-1-00-18 3-4-0-00 ME 2/ 3-1-00-18 3 4 0 CO ME B: (0/ 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4 0-00 ME 3-1-00-18 3-4-0-00 ME 3-1-00-18 3 4 0.00 ME 3-1-00-18 3-4-0-00 ME 3-1-00-18 3-4-0-00 ME 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 3-1-00-18 3-0-0-00 CS 3-1-00-18 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-1-00-18 3-0-0-00 CS 3-1-00-18 3-0-0-00 CS 5.2.2.2 Status Word 5.2.2.2.1 Service Request 3.0-01-00 3-0-0-00 CS 3-0-01-00 3-0 0 00 CS 3-1-01-01 3-1-0-00 DC 3-1-01-01 3 1 0 00 DC 3-2-01-00 3-2-0-00 SR 3-1-01-00 3-1-0-00 SR 3-1-01-00 3-1-0 00 SR 3-1-01-00 3-1-0-00 3-1-01-01 3-0-0-00 DC 3-1-01-01 3-0-0-00 DC 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 5.2.2.2.2 Broadcast Command Received 31-0-01-00 ---NR 31-0-01-00 - - .. NR 3-1-00-18 3-0-0-16 BCR 3-1-00-18 3-0-0-15 BCR 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 31-0-01-00 - - -31-0-01-00 - -NR NR 3-1-01-01 3-0-0-00 CS 3-1-01-01 3-0-0-00 CS 31-0-01-00 NR 31-0-01-00 - -NR 3-1-00-18 3-4-0-16 MBR 3-1-00-18 3-4-0-16 MBR 5.2.2.2.3 Busy 3-1-01-01 3-0-0-08 DC 3-1-01-01 3-0-0-08 DC 3-1-02-00 3-0-0:08 BUSY 3-1-02-00 3-0-0:08 BUSY 3-1-01-01 3-0-0-00 DC 3-1-01-01 3-0-0-00 DC 3-1-01-01 3-0-0-00 CS 3-1-01-01 3-0-0 CS Subsystem Flag 5.2.2.2.4 3-1-01-01 3-0-0-04 DC 3 1-01-01 3-0-0-04 DC 3-1-02-00 3-0-0-04 SF 3 - 1 - 02 - 00 | 3 - 0 - 0 - 04 SF 3-1-01-01 3-0-0-00 DC 3 1-01-01 3-0-0-00 DC 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 5.2.2.2.5 Terminal Flag 3-1-01-01 3-0-0-01 DC 3-1 01-01 3-0-0-01 DC 3-0-01-00 3-0-0-01 TF 3-0-01-00 3-0-0-01 TF 3-1-01-01 3-0-0-00 DC 3-1-01-01 3-0-0-00 DC 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0 00 CS 3-1-01-00 | 3-0-0-00 | CS ||SUBTITLE: Optional Protocol Tests 21 Nov 2013 | Page: DATE: 5,2.2,1.7. Transmit Vector Word TIME: 20:48:17 23 of 26

CVL24,DAT TEST SYSTEMS, Inc. MIL-STD-1553B RT VALIDATION TEST REPORT 11/21/13 (18:47:38) By: TEST SYSTEMS, Inc. BUSB Test Description BUSA Reference Command | Response | STAT | Command Response STAT Section Bus: (run cnt/ errors/ busy cut) | Illegal Command 5.2.2.3 3-0-25-00 3-4-0-00 ME 3-0-25-00 3-4-0:00 ME part A 3-1-02-00 3-0-0 00 CS 3-1-02-00 3-0-0-00 CS 3-0-25-00 - - -NR 3-0-25-00 NR 3-1-00-02 3-4-0-00 ME 3-1-00-02 3-4-0-00 ME 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-0-25-00 - - -NR 3-0-25-00 . . . NR 3-1-00-18 3-0-0-00 CS 3-1-00-18 3-0-0-00 CS part B 3-1-26-00 3-4-0-00 ME 3-1-26-00 3-4-0-00 ME 3-1-02-00 3-0-0-00 CS 3-1-02-00 3-0-0-00 CS NR NR 3-0-25-00 - - -3-0-25-00 - - -3-1-00-02 3.4.0 00 ME 3-1-00-02 3-4-0-00 ME 3-1-01-00 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS 3-0-25-00 NR 3-0-25-00 ----NR 3-2-00-18 3-0-0-00 CS 3-1-00-18 3-0-0-00 CS 5.2.2.4 Broadcast Mode Commands Synchronize without data 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS 15.2.2.4.1 Ar (2/ 0/ 31-1-00-01 NR 31-1-00-01 - - NR 3-1-00-18 3-0-0-16 BCR 3-1-00-18 3-0-0-16 BCR B: (2/ 0/ 5.2.2.4.2 Synchronize with data 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0 00 CS 31-0-00-17 - - -31-0-00-17 A: (2/ 3-1-00-18 3-0-0-16 BCR 3-1-00-18 3-0-0-15 BCR B: (2/ 0/ SYNC Word 00001 0000 15.2.2.4.3 Initiate Self-Test 31-1-00-03 - - -NR 31-1-00-03 - - - | NR 3-1-01-09 3-0-0-00 CS 3-1-01-00 3-0-0-00 CS A: (1968/ 0) B: (1968/ 0) $(T \le 100,000us)$ 15.2.2.4.4 Xmtr Shutdown/Override 3-0-01-00 3-0-0-00 CS 3-0-02-00 3-0 0-00 CS 3-0-01-00 | 3-0-0-00 | CS 3-0-01-00 3-0-0-00 CS A: (4/ o/ 0) NR B: (31-1-00-04 - - -31-1-00-04 - - -NR 3-1-00-18 3-0-0-16 BCR 3-1-00-18 3-0-0-16 BCR 3-0-01-00 - - -NR 3-0-01-00 NR lcs 3 0-01-00 3-0-0-00 CS 3-0-03-00 3 0 0 00 31-1 00-05 NR 31-1-00-05 NR 3-0-01-00 ----NR NR 3-0-01-00 - - -NR NR 31-1-00-05 31-1-00-05 3-1-00-18 | 3-0-0-16 | BCR 3-1-00-18 | 3-0-0-16 | BCR 3-0-01-00 3-0.0 00 CS l 3-0-01-00 | 3-0-0-00 | CS 3-0-01-00 3-0-0-00 CS 3-0-01-00 3-0-0-00 CS SUBTITLE: Optional Protocol Tests DATE: 21 Nov 2013 | Page: TIME: 20:48:17 24 of 26 Illegal Command 5.2.2.3.

Reference	Test De		BUSA			визв		Lamas		
Section	Bus: (run c	nt/error	s/ busy	y cnt)	Command	Response	STAT	Command	Response	STA
- 0 0 4 5	<i>a</i>		~ 1		j			į į		<u> </u>
5.2.2.4.5	Selective				3-0-01-00		CS	3-0-01-00		CS
	A: (4/	0/	0)	3-0-01-00		CS	3-0-01-00		CS
Į.	В: (4/	0/	0)	31-0-00-20		NR	31-0-00 20		NR
					3-1-00-18	3-4-0-16	MBR	3-1 00 18	3-4-0-16	MBR
				:	3-0-01-00	3-0-0-00	CS	3.0.01-00	3-0-0-00	CS
					3-0-01-00	3-0-0-00	CS	3-0-01-00 	3-0-0-00	CS
					31-0-00-21		NR	31-0-00-21		NR
					3-0-01-00		CS NR	3-0-01-00		CS
					31-0-00-21		MBR	31.0-00-22		NR
ļ					3-1-00-18 3-0-01-00	3-4-0-16 3·0·0·00	CS	3-1-00-18]	3-4-0-16 3-0-0-00	MBR CS
					3-0-01-00	3-0-0-00	cs	3-0-01-00		CS
į					31-0-00-20		NR	31-0-00-20	3-0-0-00 	NR
1					3-1-00-18		MBR	3-1-00-18	3-4 0 16	MBR
					3-0-01-00		lcs	3-0-02-00		cs
					3-0-01-00		Ics	:	3-0 0-00	lcs
	Alt Bus S	elect	ion	Word		0000	1	3-0-01-00	0000	1 65
i	Pri Bus S				 	0000	1	 	0000	
i		0200			! 				1	
5.2.2.4.6	Terminal	Flag	Bit	Inhibit	3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	cs
ĺ	A: (4/	0/	0)	3-1-01-01	3-0-0-01	DC	3-1-01-01	3-0-0-01	DC
İ	B:(4/	0/	0)	3-0-01-00	3-0-0-01	TF	3-0-01 00	3-0-0-01	TF
1					31-1-00-06		NR	31-1-00-06		NR
					3-1-00-18	3-0-0-16	BCR	3-1-00-18	3-0-0-16	BCR
					3-0-01-00	3-0-0-00	CS	3-0-0100	3-0-0-00	CS
					31-1-31-07		NR	31-1-31-07		NR
					3-1-00-18	3-0-0-17	BRTF	3-1-00-18	3-0 C·17	BRI
ļ					3 · 0 · 01 - 00	3-0-0-01	TF	3-0-01-00	3-0-0 01	TF
ļ					3-1-01-01	3-0-0-00	DC	3-1-01-01	3-0-0-00	DC
					3-0-01-00	3-0-0-00	CS	3-0-01.00	3-0-0-00	CS
5,2,2.4.7	Reset Rem	ote T	'ermi	nal	 	<u> </u>	 [İ	ŀ
				Response	 	 	NR	31-1-00-08	 	NR
	A: (1768/	0/	0)	!	3-0-0-00			3-0-0-00	:
	B: (1768/	0/	0)	31 01 00			1 2-1-01-00	1 3-0-0-00	1
	(T ≤ 5000		-,	ν,		4	1	i	4	
j					į		İ	j		j
	Clear X			lown	3-1-00-04	3-0-0-00	CS	3-1-00-04	3-0-00	CS
	A: (2/	0/	0)	3-1-01-00	!	NR	3-1-01-00		NR
	В: (2/	0/	0)	31-1-00-08	:	NR	31-1-00-08	!	NR
ļ					3-1-01-00	3-0-0-00	CS	3-1-01-00	3-0-0-00	CS
[5.2.2.4.8	Dynamic B	Bus Co	ntro	1	 3-1-01-00	3-0-0-00	l Cs	3.101-00	3-0-0-00	l cs
	A: (2/	0/	0)	31-1-00-00	!	NR	31-1-00-00	1	NR
ļ	B: (2/	0/		!	3-4-0-16	!	-	3-4-0-16	1
:	•	•	-,		1		1	1	!	

eference	Test Description	ו פ	JS A		BUSB		
Section	Bus: (run cnt/ errors/ busy cnt)	Command	Response	STAT	Command		STA
.2.2.5	Error Injection			 	 		
	-Broadcast Messages]		ĺ
.2.2.5.1	Parity: BC-RT Broadcast			ĺ			ĺ
.2.2.5.1.1	Command w/Parity Error	31-0-01-01		NR	31-0-01-02		NR
		3-1-00-18	3-0-0-16	BCR	3-1-00-18	3-0-0-16	BCF
		3-0-01-00	3-0-0-00	CS	3-0-01-00	3-0-0-00	CS
		31-0-01-00		NR	31-0-01-00		NR
		3-1-00-18	3-0-0-00	CS	3-1-00-18	3-0-0-00	CS
		3 0-01-00	3-0-0-00	CS	3-0-01 00	3-0-0-00	CS
.2.2.5.1.2	Data Word Error	31-0-01-01	 	NR	31-0-01-01		NR
	A: (32/ 0/ 0)	3-1-00-18	3-0-0-16	BCR	3-1-00-18	3-0-0-16	BCI
	B: (32/ 0/ 0)	3-0-01-00	3-0-0-00	CS	3 -0-01-00	3-0-0-00	CS
		31 0-01-00		NR	31 0-01-00		NR
		3-1-00-18	3-4-0-16	MBR	3-1 00-18	3-4-0-16	MBI
	3	3-0-01-00	3-0-0-00	CS	3 0-01-00	3-0-0-00	CS
.2.2.5.2	l Message Length: BC-RT	31-0-01-01	 	 NR	31.0-01-01		 NR
	Broadcast	3-1-00-18	3-0-0-16	BCR	1	3-0-0-16	BC
	A: (33/ 0/ 0)	3-0-01-00	3-0-0-00	cs	1	3-0-0-00	Cs
	B:(33/ 0/ 0)	31-0-01-00		NR	31-0-01-00		NR
		3-1-00-18	3-4-0-16	MBR	!	3 4.0-16	:
		3-0-01-00	3-0-0-00	cs	1	3-0-0-00	cs
5.2.3	 Noise Rejection			da			
0.2.3	Words Received	!	3-0-0-00 000,022	1	3-0-30-00	1	EF
	Noise Level used (mV)	44,	000,022 165	!	1 68,3	300,001	:
	A:(1333334/ 0/ 0)		T 0 2		i	170 ı	
	B:(2069697/ 3/ 0)	l I	1		}	 	1
	[B:(2063637/ 3/ 0)	i I	 	ļ Ī		 	
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