

ATC Cabinet Monitor Unit (CMU) Certification Test Report

CMU INFORMATION

Model : CMU2212-HV
Manufacturer : EDI
Serial Number : 123456
Agency : MyDot
Location : Athens, Ohio
Tested By : John Doe
Note1 :
Note2 :

TESTER INFORMATION

Model : ACMT-5000
Serial Number : 5000-9999
Firmware Version : 1
Software Version : ACMT-5000 Test Manager v1.0
Manufacturer : ATSI

Testing Started: Jun 13 2018 07:44 am

CMU Memory Key = ATSI test key v1

SB#1 Valid Response Test

- CMU SB#1 Address set to 0x0F
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Valid Type 67 Command Frames were sent to CMU
- Valid Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x10
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Valid Type 67 Command Frames were sent to CMU
- Valid Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x11
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Valid Type 67 Command Frames were sent to CMU
- Valid Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x12
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Valid Type 67 Command Frames were sent to CMU
- Valid Type 195 Response Frames were received from CMU
- Result = Pass

SB#1 Invalid CRC Test

- CMU SB#1 Address set to 0x0F
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid CRC
- No Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x10
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid CRC
- No Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x11
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid CRC
- No Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x12
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid CRC
- No Type 195 Response Frames were received from CMU
- Result = Pass

SB#1 Invalid Address Test

- CMU SB#1 Address set to 0x0F
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid address
- No Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x10
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid address
- No Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x11
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid address
- No Type 195 Response Frames were received from CMU
- Result = Pass

- CMU SB#1 Address set to 0x12
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 67 Command Frames were sent to CMU with invalid address
- No Type 195 Response Frames were received from CMU
- Result = Pass

SB#1 Type 62 Send to Local Flash (Latch) Test

- CMU SB#1 Address set to 0x0F
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The LFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = Fault
- Result = Pass

- CMU SB#1 Address set to 0x10
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The LFSA bit was set in the Type 62 Frames

- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = Fault
- Result = Pass

- CMU SB#1 Address set to 0x11
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The LFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault

- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = Fault
- Result = Pass

- CMU SB#1 Address set to 0x12
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The LFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = Fault
- Result = Pass

SB#1 Type 62 Send to Local Flash (Non-Latch) Test

- CMU SB#1 Address set to 0x0F
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The NFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec

- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Result = Pass

- CMU SB#1 Address set to 0x10
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The NFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Result = Pass

- CMU SB#1 Address set to 0x11
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The NFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Result = Pass

- CMU SB#1 Address set to 0x12
- CMU is powered down
- CMU is powered up and reset in the No Fault state
- Type 62 and 67 Command Frames were sent to CMU for 5 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Type 62 and 67 Command Frames were sent to CMU for 1 sec
- The NFSA bit was set in the Type 62 Frames
- CMU output relay state = Fault
- Type 62 and 67 Command Frames were sent to CMU for 8 sec
- All fault bits were cleared in the Type 62 Frames
- CMU output relay state = No Fault
- Result = Pass

Local Flash Status Fault Test

- CMU is powered up and reset in the No Fault state
- LF Status is set to 48 Vdc
- LF Status is set to 38 Vdc for 351ms
- LF Status is set to 48 Vdc
- After 100ms delay, CMU output relay state is read
- CMU output relay state = Fault
- Result = Pass

Local Flash Status No Fault Test

- CMU is powered up and reset in the No Fault state
- LF Status is set to 48 Vdc
- LF Status is set to 38 Vdc for 199ms
- LF Status is set to 48 Vdc
- After 100ms delay, CMU output relay state is read
- CMU output relay state = No Fault
- Result = Pass

CB Trip Status Fault Test

- CMU is powered up and reset in the No Fault state
- CB Trip Status is set to 48 Vdc
- CB Trip Status is set to 38 Vdc for 401ms
- CB Trip Status is set to 48 Vdc
- After 100ms delay, CMU output relay state is read
- CMU output relay state = Fault
- Result = Pass

CB Trip Status No Fault Test

- CMU is powered up and reset in the No Fault state
- CB Trip Status is set to 48 Vdc
- CB Trip Status is set to 38 Vdc for 199ms
- CB Trip Status is set to 48 Vdc
- After 100ms delay, CMU output relay state is read
- CMU output relay state = No Fault
- Result = Pass

MC Coil Status Test

- CMU is powered up and reset in the No Fault state
- MC Coil Status is set to 38 Vdc
- Type 1 command frames received from the CMU for HDSPl-16
- Type 129 response frames sent for 3 sec with all signals set to 0 Vrms

- CMU output relay state = No Fault
- Result = Pass

MC Secondary Status Test

- CMU is powered up and reset in the No Fault state
- CMU SB#1 Address set to 0x0F
- MC Secondary Status input set to 90 Vrms
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate MC Secondary is active
- MC Secondary Status input is set to 69 Vrms
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate MC Secondary not active
- Result = Pass

FTR Coil Status Test

- CMU is powered up and reset in the No Fault state
- CMU SB#1 Address set to 0x0F
- FTR Coil Status input set to 48 Vdc
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate FTR Coil is active
- FTR Coil Status input is set to 38 Vdc
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate FTR Coil not active
- Result = Pass

Door Switch Front Input Test

- CMU is powered up and reset in the No Fault state
- CMU SB#1 Address set to 0x0F
- Door Switch Front input set to 15 Vdc
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate Door Switch Front is active
- Door Switch Front input is set to 9 Vdc
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate Door Switch Front not active
- Result = Pass

Door Switch Rear Input Test

- CMU is powered up and reset in the No Fault state
- CMU SB#1 Address set to 0x0F
- Door Switch Rear input set to 15 Vdc
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate Door Switch Rear is active

- Door Switch Rear input is set to 9 Vdc
- Type 67 Command Frames were sent to CMU
- Type 195 Response Frames from CMU indicate Door Switch Rear not active
- Result = Pass

GRN Conflict Detect Test

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32		
..RRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms	
.....	.....	Y = 26 Vrms, . = 0 Vrms	
GG.....	.....	G = 26 Vrms, . = 0 Vrms	

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32		
..RRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms	
.....	.....	Y = 26 Vrms, . = 0 Vrms	
GG.....	.....	G = 26 Vrms, . = 0 Vrms	

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32		
..R.RRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms	
.....	.....	Y = 26 Vrms, . = 0 Vrms	
G.G.....	.....	G = 26 Vrms, . = 0 Vrms	

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RR.RRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G..G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRR.RRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G...G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRR.RRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G....G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRR.RRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G.....G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRR.RRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G.....G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRR.RRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G.....G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRR.RRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G.....G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRR.RRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....           Y = 26 Vrms, . = 0 Vrms
G.....G.....       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRR.RRRR RRRRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G.....    G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRR.RRR RRRRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G...      G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRR.RR RRRRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G..       G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRR.R RRRRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G.        G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G.....    G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR .RRRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G.....    G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR R.RRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms
G.....G.....    G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RR.RRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
.....          Y = 26 Vrms, . = 0 Vrms

```

G..... ..G..... G = 26 Vrms, . = 0 Vrms
- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRR	RRR.RRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....	.....	Y = 26 Vrms, . = 0 Vrms
G.....	...G.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRR	RRRR.RRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....	.....	Y = 26 Vrms, . = 0 Vrms
G.....	...G.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRR	RRRR.RRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....	.....	Y = 26 Vrms, . = 0 Vrms
G.....	...G.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32
--------------	---------------

.RRRRRRRRRRRRRR RRRRRR.RRRRRRRRR R = 26 Vrms, . = 0 Vrms
..... Y = 26 Vrms, . = 0 Vrms
G..... ..G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRR	RRRRRRR.RRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....	.....	Y = 26 Vrms, . = 0 Vrms
G.....	.....G.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRR	RRRRRRRR.RRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....	.....	Y = 26 Vrms, . = 0 Vrms
G.....	.....G.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRR	RRRRRRRRR.RRRRRRR	R = 26 Vrms, . = 0 Vrms
.....	.....	Y = 26 Vrms, . = 0 Vrms
G.....	.....G.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRR.RRRRR   R = 26 Vrms, . = 0 Vrms
.....           .....             Y = 26 Vrms, . = 0 Vrms
G.....           .....G.....      G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRR.RRRRR   R = 26 Vrms, . = 0 Vrms
.....           .....             Y = 26 Vrms, . = 0 Vrms
G.....           .....G.....      G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRRR.RRR   R = 26 Vrms, . = 0 Vrms
.....           .....             Y = 26 Vrms, . = 0 Vrms
G.....           .....G...       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRRR.RR    R = 26 Vrms, . = 0 Vrms
.....           .....             Y = 26 Vrms, . = 0 Vrms
G.....           .....G..       G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRRRR.R    R = 26 Vrms, . = 0 Vrms
.....           .....             Y = 26 Vrms, . = 0 Vrms
G.....           .....G.        G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RRRRRRRRRRRRR.R    R = 26 Vrms, . = 0 Vrms
.....           .....             Y = 26 Vrms, . = 0 Vrms
G.....           .....G.        G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

YEL Conflict Detect Test

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
..RRRRRRRRRRRRR RRRRRRRRRRRRRRR   R = 26 Vrms, . = 0 Vrms
YY.....           .....             Y = 26 Vrms, . = 0 Vrms
.....           .....             G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
..RRRRRRRRRRRRR RRRRRRRRRRRRRRR   R = 26 Vrms, . = 0 Vrms
YY.....           .....             Y = 26 Vrms, . = 0 Vrms
.....           .....             G = 26 Vrms, . = 0 Vrms
```


- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.R.RRRRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y.Y.....	.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RR.RRRRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y..Y.....	.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRR.RRRRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y...Y.....	.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRR.RRRRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y....Y.....	.....	Y = 26 Vrms, . = 0 Vrms

..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRR.RRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y.....Y.....	.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRR.RRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y.....Y.....	.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRR.RRRRRRRRRR	RRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
Y.....Y.....	.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32
--------------	---------------

```
.RRRRRRRR.RRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRR.RRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRR.RRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRR.RRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRR.RR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRR.R RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRR.R RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```
Channel 1-16      Channel 17-32
.RRRRRRRRRRR.R RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y.....Y..... Y = 26 Vrms, . = 0 Vrms
..... G = 26 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR R.RRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          .Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRR RR.RRRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          ..Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRRR RRR.RRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          ...Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRRR RRRR.RRRRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          ....Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRRR RRRRR.RRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          .....Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRRR RRRRRR.RRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          .....Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRRR RRRRRRR.RRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          .....Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

```

Channel 1-16      Channel 17-32
.RRRRRRRRRRRRRRR RRRRRRRR.RRRRRRRRRRR  R = 26 Vrms, . = 0 Vrms
Y.....          .....Y.....          Y = 26 Vrms, . = 0 Vrms
.....          .....          G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRR.RRRRRR	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRR.RRRRR	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRRRR.RRRR	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y.....	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRRRR.RRR	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y...	Y = 26 Vrms, . = 0 Vrms

Test Report

..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRRRR.RR	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y..	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRRRRR.R	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y.	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 500ms:

Channel 1-16	Channel 17-32	
.RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRR.	R = 26 Vrms, . = 0 Vrms
Y.....	.....Y	Y = 26 Vrms, . = 0 Vrms
.....	.....	G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

Multiple Indication Detect Test

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
Y..... Y = 26 Vrms, . = 0 Vrms
G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.Y..... Y = 26 Vrms, . = 0 Vrms
.G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
..Y..... Y = 26 Vrms, . = 0 Vrms
..G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
...Y..... Y = 26 Vrms, . = 0 Vrms
...G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
....Y..... Y = 26 Vrms, . = 0 Vrms
....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
....Y..... Y = 26 Vrms, . = 0 Vrms
....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.....     .....           Y = 26 Vrms, . = 0 Vrms
.....G.....     .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.....     .....           Y = 26 Vrms, . = 0 Vrms
.....G.....     .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.....     .....           Y = 26 Vrms, . = 0 Vrms
.....G.....     .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.....     .....           Y = 26 Vrms, . = 0 Vrms
.....G.....     .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.....     .....           Y = 26 Vrms, . = 0 Vrms
.....G.....     .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..        .....           Y = 26 Vrms, . = 0 Vrms
.....G..        .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.         .....           Y = 26 Vrms, . = 0 Vrms
.....G.         .....           G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y          .....           Y = 26 Vrms, . = 0 Vrms

```

.....G G = 26 Vrms, . = 0 Vrms
- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32
--------------	---------------

RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 26 Vrms, . = 0 Vrms
.....Y.....		Y = 26 Vrms, . = 0 Vrms
.....G.....		G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y..... Y = 26 Vrms, . = 0 Vrms
.....G..... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y... Y = 26 Vrms, . = 0 Vrms
.....G... G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y.. Y = 26 Vrms, . = 0 Vrms
.....G.. G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y. Y = 26 Vrms, . = 0 Vrms
.....G. G = 26 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 450ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 26 Vrms, . = 0 Vrms
.....Y Y = 26 Vrms, . = 0 Vrms
.....G G = 26 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

5 Vrms Ignore Test

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
YYYYYYYYYYYYYYY y = 14 Vrms, . = 0 Vrms
ggggggggggggggg g = 14 Vrms, . = 0 Vrms

```

- CMU output relay state = No Fault
- Result = Pass

Lack of Signal Detect Test

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
rRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32

```

```

RrRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRrRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRrRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRrRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRrRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRrRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRRRrRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRrRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRrRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRrRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRrRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRrRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, r = 49 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRrRR RRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRrR RRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRRr RRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR rRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RrRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRrRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRrRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms
.....           .....                G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRrRRRRRRRRRRRRRRR  R = 120 Vrms, r = 49 Vrms
.....           .....                Y = 120 Vrms, . = 0 Vrms

```


Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRrRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRrRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRrRRR R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 1533ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRr R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

Lack of Signal Ignore Test

Test Report

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 700ms:

Channel 1-16 Channel 17-32
rrrrrrrrrrrrrrrr rrrrrrrrrrrrrrrr R = 120 Vrms, r = 49 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = No Fault
- Result = Pass

Short YEL Clearance Detect Test

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
.RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
.RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32

R.RRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
.G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
R.RRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
.Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RR.RRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RR.RRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRR.RRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
...G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRR.RRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
...Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRR.RRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
....G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRR.RRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32

```
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRR.RRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
.....G..... G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

```
Channel 1-16      Channel 17-32
RRRRR.RRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRR.RRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
.....G..... G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

```
Channel 1-16      Channel 17-32
RRRRRR.RRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
```

```
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRR.RRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
.....G..... G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

```
Channel 1-16      Channel 17-32
RRRRRRR.RRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRR.RRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
```

.....G..... G = 120 Vrms, . = 0 Vrms
- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRR.RRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRR.RRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRR.RRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRR.RRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRR.RRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRR.RRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRR.RRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms
.....G.....		G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....		Y = 120 Vrms, . = 0 Vrms

..... G = 120 Vrms, . = 0 Vrms
- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRR.RRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....              Y = 120 Vrms, . = 0 Vrms
.....G...       .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRR.RRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....Y...       .....              Y = 120 Vrms, . = 0 Vrms
.....           .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....Y...       .....              Y = 120 Vrms, . = 0 Vrms
.....           .....              G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass
- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRR.RR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....              Y = 120 Vrms, . = 0 Vrms
.....G...       .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRR.RR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....Y..        .....              Y = 120 Vrms, . = 0 Vrms
.....           .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....              Y = 120 Vrms, . = 0 Vrms
.....           .....              G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRR.R RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....              Y = 120 Vrms, . = 0 Vrms
.....G...       .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRRR.R RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....Y...       .....              Y = 120 Vrms, . = 0 Vrms
.....           .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....              Y = 120 Vrms, . = 0 Vrms
.....           .....              G = 120 Vrms, . = 0 Vrms
```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```
Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRRR.R RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....              Y = 120 Vrms, . = 0 Vrms
.....G...       .....              G = 120 Vrms, . = 0 Vrms
```

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....Y.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	.RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	G.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	.RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	Y.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	R.RRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.G.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	R.RRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.Y.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RR.RRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.G.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RR.RRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.Y.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16	Channel 17-32	
RRRRRRRRRRRRRRRR	RRRRRRRRRRRRRRRR	R = 120 Vrms, . = 0 Vrms
.....	.....	Y = 120 Vrms, . = 0 Vrms
.....	.....	G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
 - Result = Pass

- CMU is powered up and reset in the No Fault state
 - Type 1 command frames received from the CMU for HDSP1-16
 - Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- CMU output relay state = Fault
 - Result = Pass

- CMU is powered up and reset in the No Fault state
 - Type 1 command frames received from the CMU for HDSP1-16
 - Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- CMU output relay state = Fault
 - Result = Pass

- CMU is powered up and reset in the No Fault state
 - Type 1 command frames received from the CMU for HDSP1-16
 - Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- CMU output relay state = Fault
 - Result = Pass

- CMU is powered up and reset in the No Fault state
 - Type 1 command frames received from the CMU for HDSP1-16
 - Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRR.RRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....             Y = 120 Vrms, . = 0 Vrms
.....           .....             G = 120 Vrms, . = 0 Vrms
  
```

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
.....G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32

RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
.....G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state

- Type 1 command frames received from the CMU for HDSP1-16

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
.....G..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRRR RRRRRR.RRRRRRR R = 120 Vrms, . = 0 Vrms
.....Y..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault

- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....G.....     G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....Y.....     Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....G.....     G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....Y.....     Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32

```

```

RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR  R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RRR  R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....G...       G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RRR  R = 120 Vrms, . = 0 Vrms
.....           .....Y...       Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....           G = 120 Vrms, . = 0 Vrms

```

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RR  R = 120 Vrms, . = 0 Vrms
.....           .....           Y = 120 Vrms, . = 0 Vrms
.....           .....G..        G = 120 Vrms, . = 0 Vrms

```

- Type 129 response frames sent with the following data for 2500ms:

```

Channel 1-16      Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRR.RR  R = 120 Vrms, . = 0 Vrms

```

.....Y.. Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRR.R R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
.....G. G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRR.R R = 120 Vrms, . = 0 Vrms
.....Y. Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

- CMU is powered up and reset in the No Fault state
- Type 1 command frames received from the CMU for HDSP1-16
- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR. R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms

Test Report

.....G G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 2500ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR. R = 120 Vrms, . = 0 Vrms
.....Y Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- Type 129 response frames sent with the following data for 3000ms:

Channel 1-16 Channel 17-32
RRRRRRRRRRRRRRR RRRRRRRRRRRRRRRR R = 120 Vrms, . = 0 Vrms
..... Y = 120 Vrms, . = 0 Vrms
..... G = 120 Vrms, . = 0 Vrms

- CMU output relay state = Fault
- Result = Pass

Programmed Cabinet Memory Key Detect Test

- Programmed cabinet memory key is inserted
- CMU SB#1 Address set to 0x0F
- CMU is powered down
- CMU is powered up and reset
- Type 67 and 82 Command Frames were to sent to CMU
- Type 195 and 210 Response Frames were received
- Response = Serial Memory Key Found, No Fault
- Result = Pass

Testing Completed: Jun 13 2018 08:11 am
No failures