

DSMX82CA
Stream 04
Issue 01

5.0 PERFORMANCE SPEC

5.1 PCM30 SPEC

5.1.1 PHYSICAL LINE I/F TO THE PCM LINE

Complies with CCITT Recommendation G703.

Table 10: SPECIFICATION OF THE PCM OUTPUT PORTS

Pulse shape	Must conform with the mask	
Nominal pulse width	244 nsec	
Ratio between the positive and negative pulses	0.95 to 1.05	
Test load impedance	75 OHM	120 OHM
Nominal peak voltage	2.37V	3 V
Peak voltage of a space (no pulse)	0 +/- 0.237V	0 +/- 0.3V

5.1.2 JITTER PERFORMANCE (RECEPTION)

The input jitter tolerance appears in Figure 13. INPUT JITTER TOLERANCE below, and meets or exceeds CCITT Recommendation G.823.

5.1.3 PCM30 FORMATS

According to CCITT Recommendation G.704.

5.2 POWER REQUIREMENTS

The dual PCM30 packet is expected to consume the following:

Voltage (V)	Current (mA)
+5	300
+12	3
-48	---

5.3 ENVIRONMENTAL REQUIREMENTS

1. Ambient air temp: < 70 deg C
2. Relative humidity: 20-80%; for short term
20-55% normal

See also the PRODUCT SPEC, section 7.6.

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Figure 13. INPUT JITTER TOLERANCE

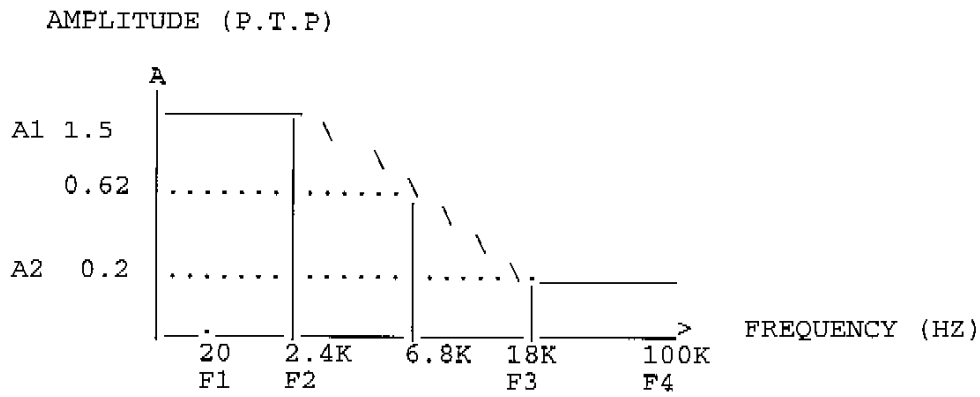
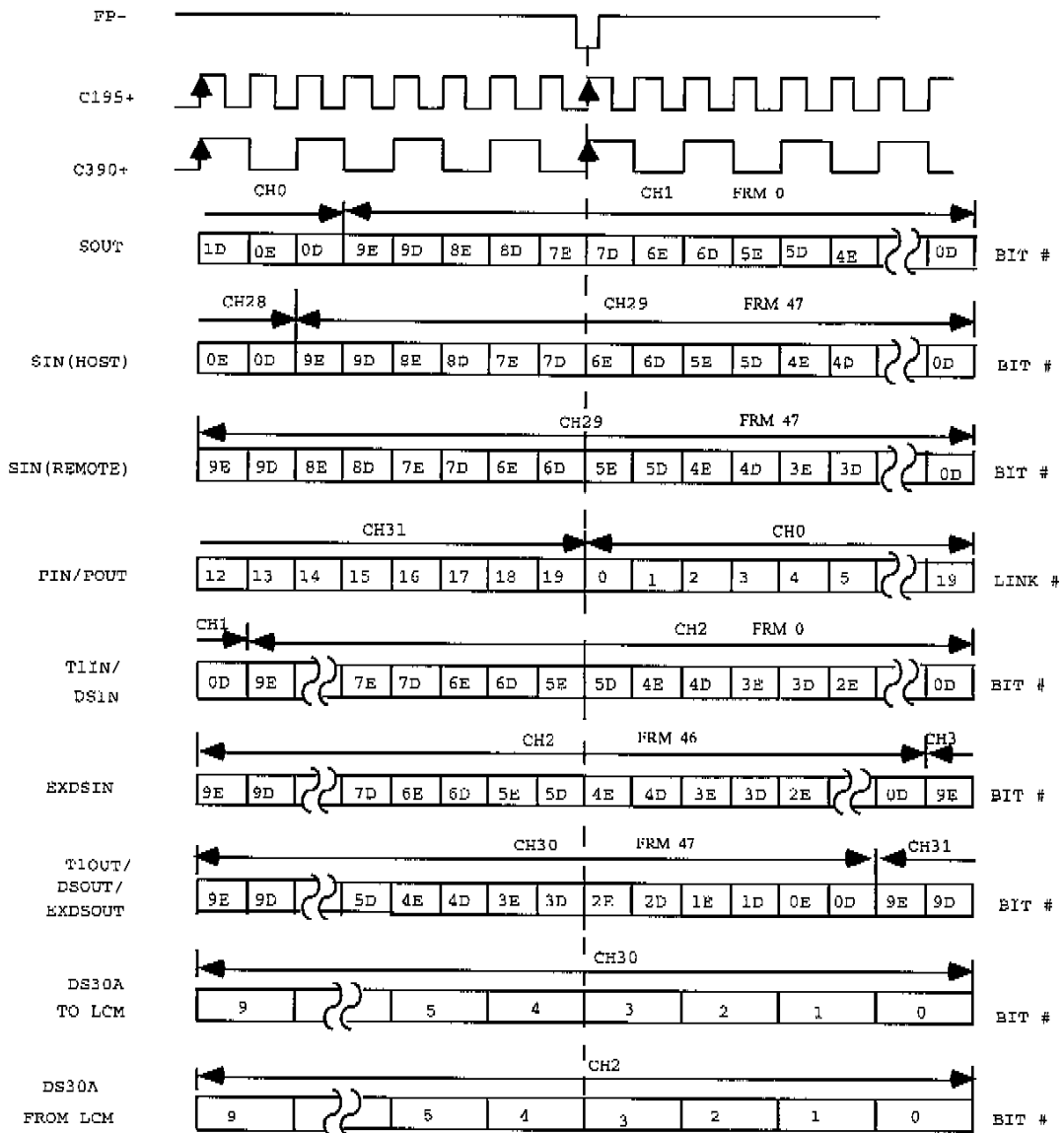


Figure 14. CPM SPEECH TIMING DIAGRAM



NOTES :
D-ODD
E-EVEN