



MOTOROLA

Global Telecom Solutions Sector

SECTION E

OCCUPIED BANDWIDTH

SC4812T/ET/ETL

NOTE: The occupied bandwidth plots are measured in a 30 kHz resolution bandwidth. The following formula is used to obtain the correct zero dB reference point relative to the bandwidth of the 1.2288 MHz CDMA signal.

$$\text{Power (measured in 30 kHz bandwidth)} + 10 \log (1.2288 \text{ MHz} / 30 \text{ kHz})$$

$$\text{Example: } 29.88 \text{ dBm} + 16.12 \text{ dB} = 46.0 \text{ dBm}$$

The BTS was configured for maximum power out of 46.0 dBm and minimum power out of 23.0 dBm respectively. The output power was set respectively to 40.0 Watts or 200 mWatts using an HP437B power meter.

Engineer: Francisco Avalos 8/3/01
Date



MOTOROLA

Cellular Infrastructure Group

FCC ID: IHET6BS1

Occupied Bandwidth

Maximum Power



Marker 1 [T1]

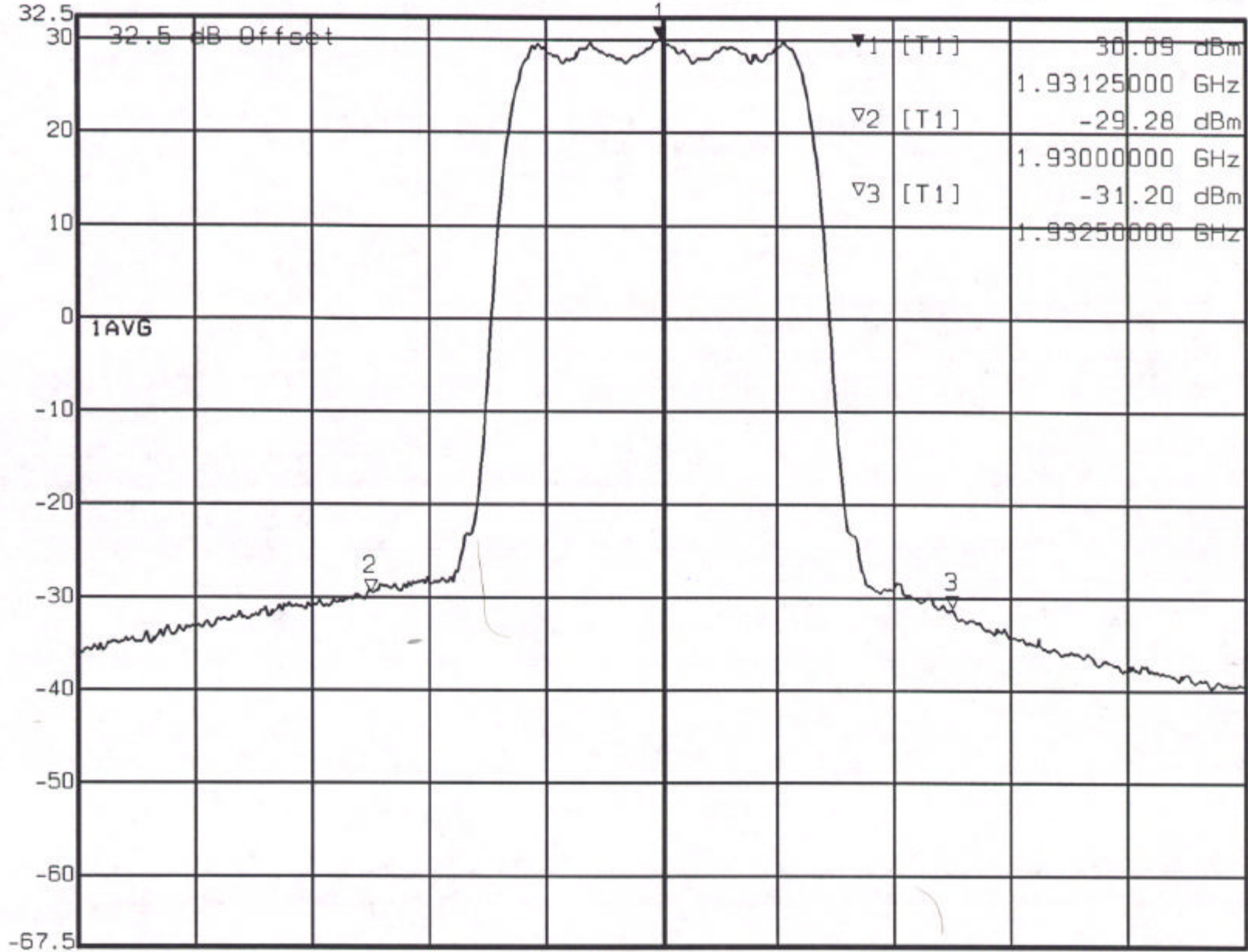
RBW 30 kHz RF Att 30 dB

Ref Lvl 30.09 dBm

VBW 100 kHz

32.5 dBm 1.93125000 GHz

SWT 20 ms Unit dBm



Center 1.93125 GHz

500 kHz

Span 5 MHz

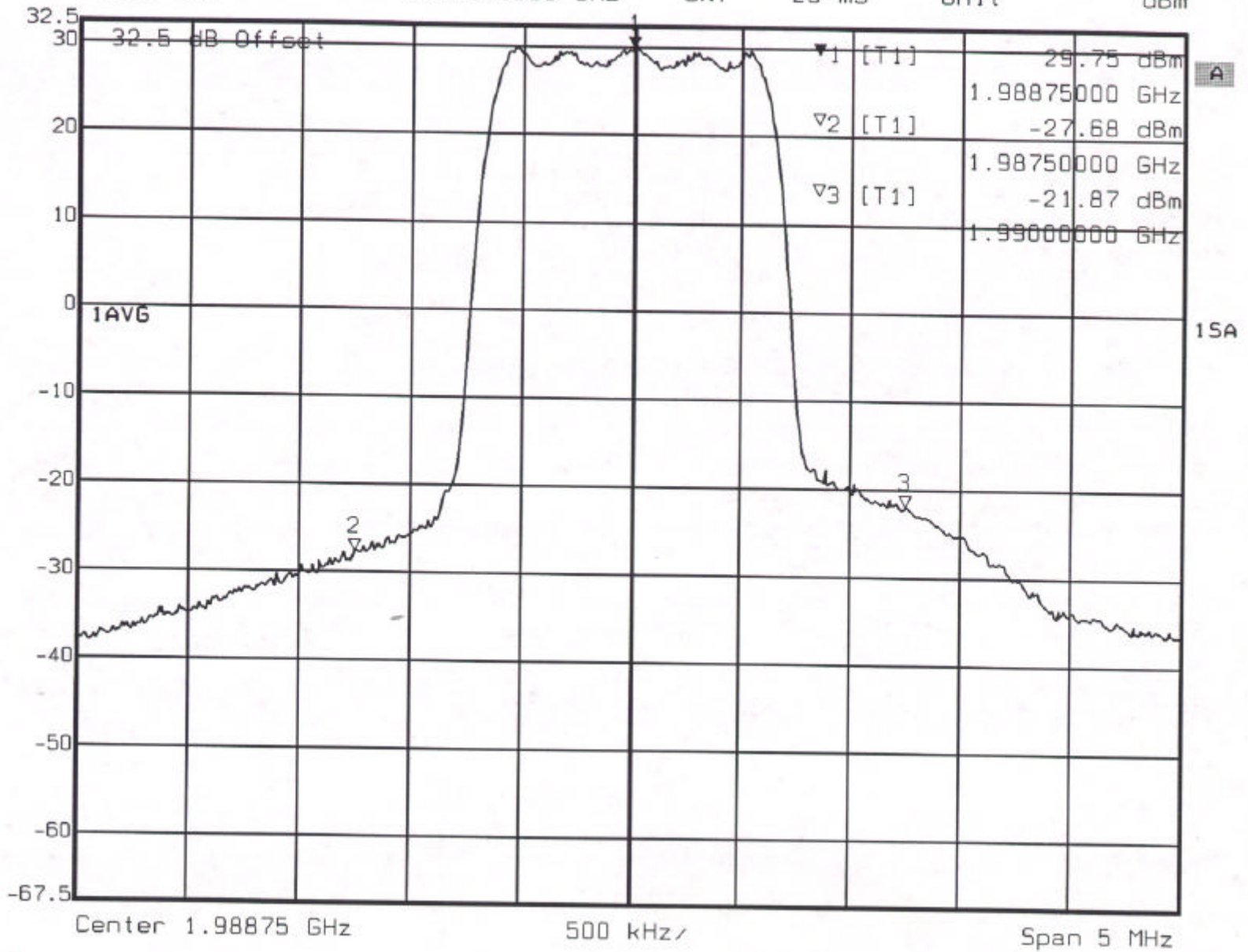
Date: 18.JUL.2001 9:46:58

Channel 25
Maximum Power

IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS



Ref Lvl 32.5 dBm
Marker 1 [T1] 29.75 dBm 1.98875000 GHz
RBW 30 kHz RF Att 30 dB
VBW 100 kHz
SWT 20 ms Unit dBm



Date: 18.JUL.2001 10:06:03

Channel 1175
Maximum Power

IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS



MOTOROLA

Cellular Infrastructure Group

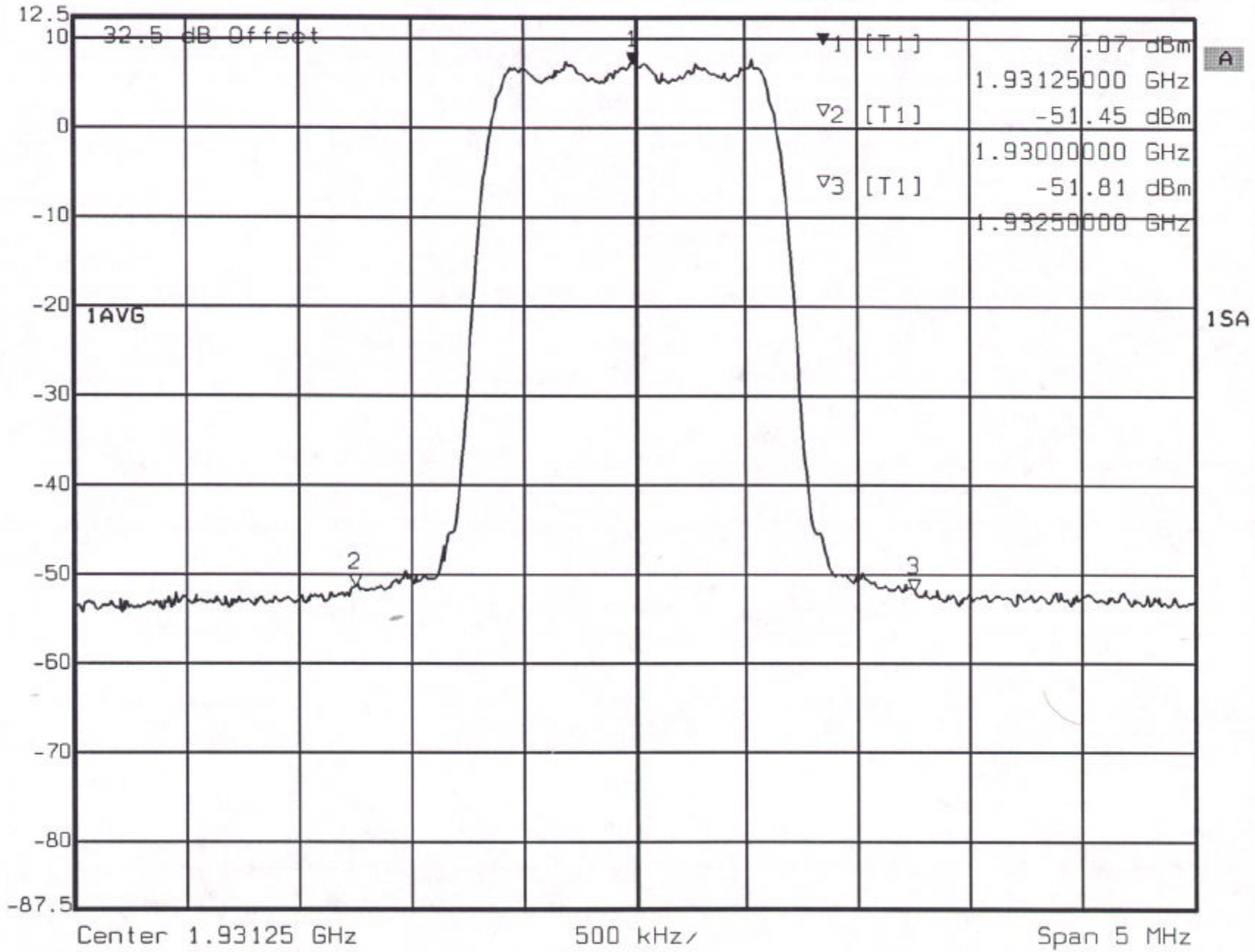
FCC ID: IHET6BS1

Occupied Bandwidth

Minimum Power



Marker 1 [T1] RBW 30 kHz RF Att 20 dB
 Ref Lvl 7.07 dBm VBW 100 kHz
 12.5 dBm 1.93125000 GHz SWT 20 ms Unit dBm



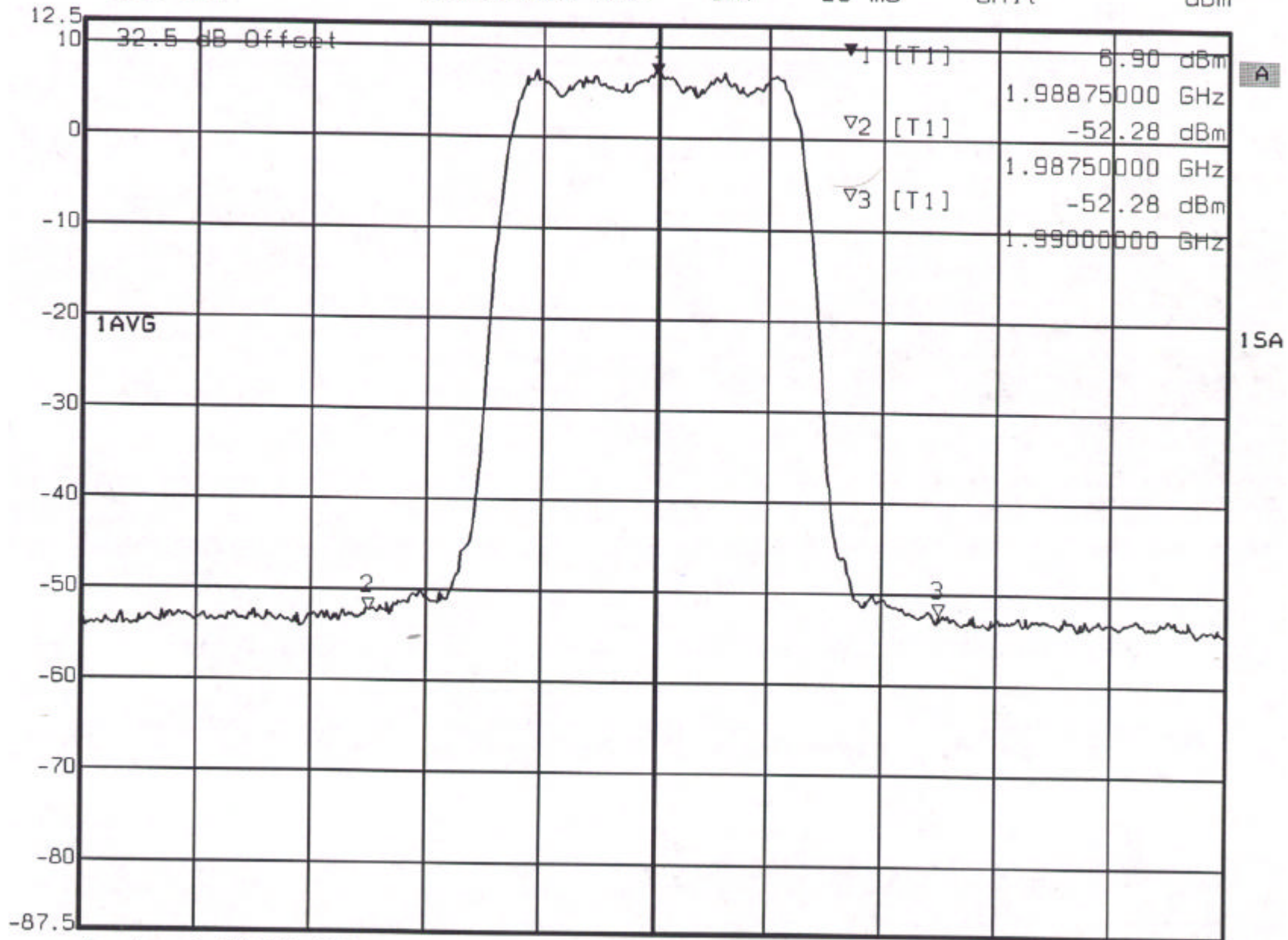
Date: 18.JUL.2001 9:52:46

Channel 25
Minimum Power

IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS



Marker 1 [T1] RBW 30 kHz RF Att 20 dB
 Ref Lvl 12.5 dBm 6.90 dBm VBW 100 kHz
 1.98875000 GHz SWT 20 ms Unit dBm



Center 1.98875 GHz 500 kHz/ Span 5 MHz

Date: 18 III 2001 10:09:49

Channel 1175
 Minimum Power
 IHET6BS1
 SC4812ETL 1.9GHz
 CDMA BTS



MOTOROLA

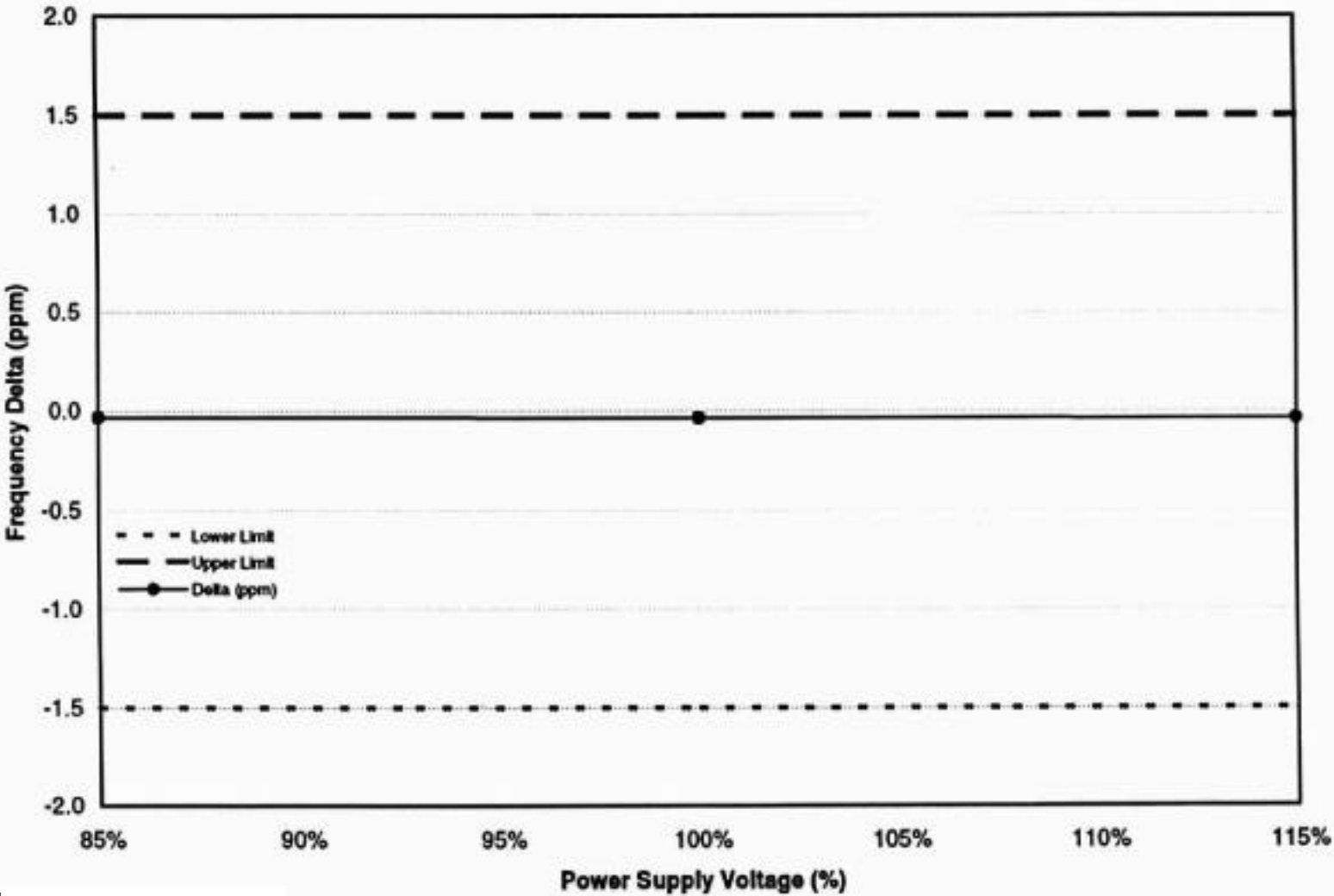
Cellular Infrastructure Group

FCC ID: IHET6BS1

SECTION F

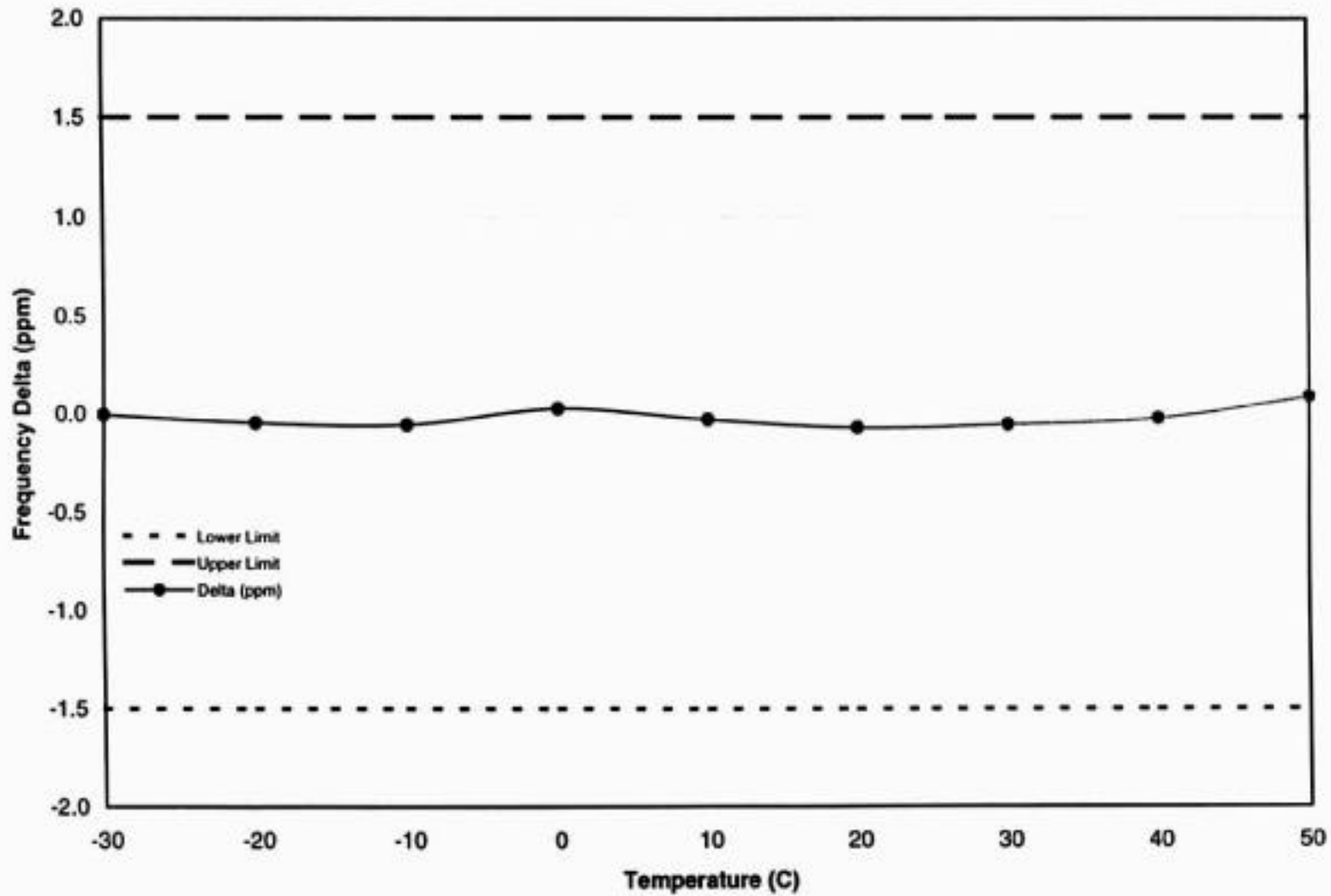
Frequency Stability

Frequency Stability with Varying Supply Voltage - CSM1



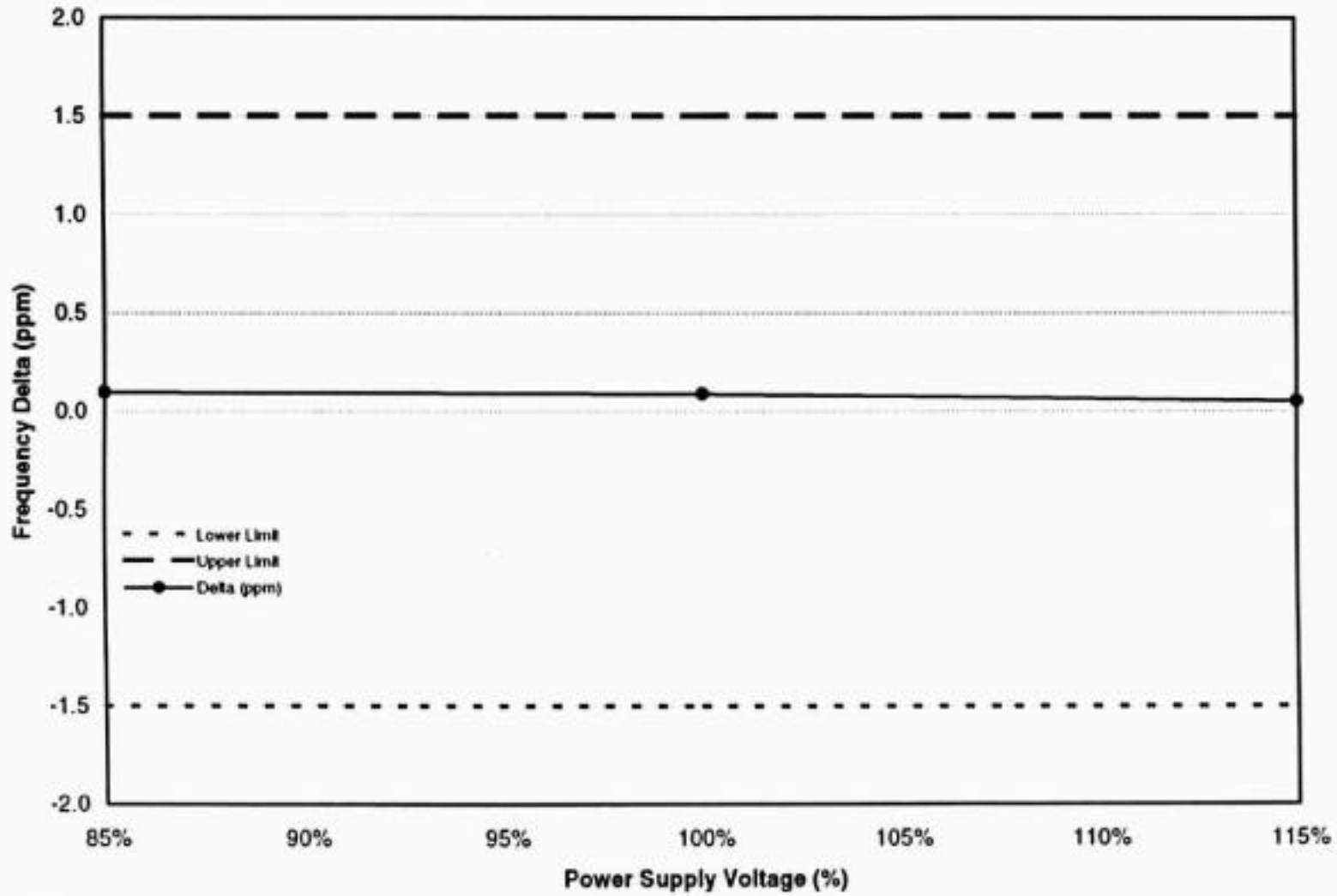
IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS

Frequency Stability Over Temperature - CSM1



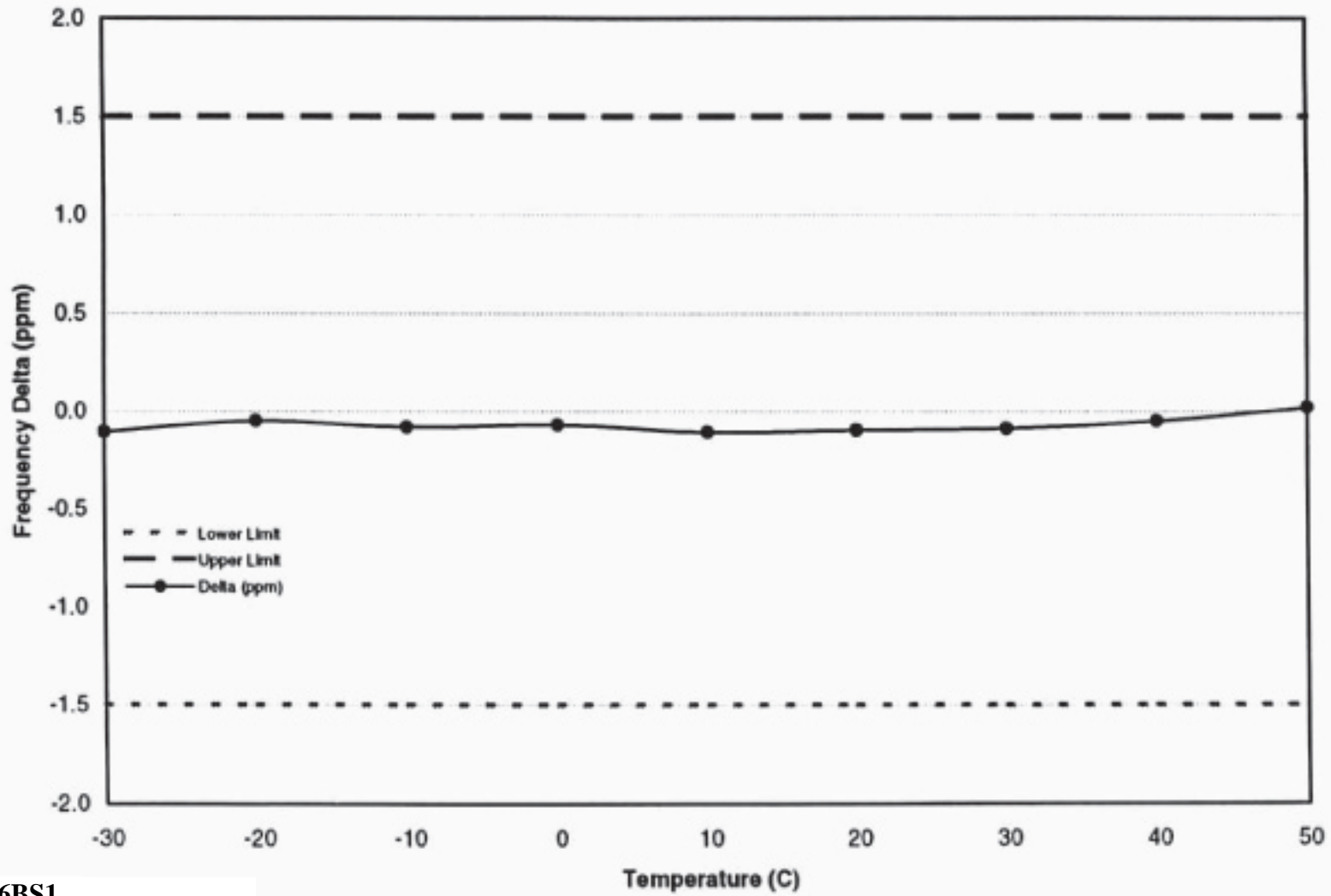
IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS

Frequency Stability with Varying Supply Voltage - CSM2



IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS

Frequency Stability Over Temperature - CSM2



IHET6BS1
SC4812ETL 1.9GHz
CDMA BTS