



MOTOROLA

Global Telecom Solutions Sector

FCC ID: IHET5BQ1

OCCUPIED BANDWIDTH

Maximum Power

+ATTEN 40dB
RL 42.0dBm

VAVG 200
10dB/

ΔMKR ,33dB
1.225MHz

POWER=46.0dBm

MEASURE

SINGLE
MEASURE

CONT
MEASURE

CHANNEL
PWR MENU

CHAN UP
>>>>

CHAN DN
<<<<

PREV
MENU

OCCUPIED BW
%OCC 99.00
1.225MHz

IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME

CENTER 893.310MHz

RBW 30kHz

VBW 30kHz

SPAN 3.750MHz

SWP 50.0ms

ATTEN 40dB VAVG 200 MKR 30.33dBm
RL 42.0dBm 10dB/ 869.700MHz
POWER=46dBm

MARKER

MARKER
NORMAL

MARKER
DELTA

MARKER
1/DELTA

MKRNOISE
ON DEF

SIG TRK
ON DEF

MARKERS
OFF

MKR
869.700 MHz
30.33 dBm

CENTER 869.700MHz

RBW 30kHz

VBW 30kHz

SPAN 3.750MHz

SWP 50.0ms

IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME



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OCCUPIED BANDWIDTH

Minimum Power

ATTEN 10dB VAVG 200 AMMR 1.00dB
 REF 22.0dBm 10dB/ 1.225MHz
 POWER=22.0dBm

MEASURE

SINGLE
MEASURE

CONT
MEASURE

CHANNEL
PWR MENU

CHAN UP
WWW

CHAN DN
XXX

PREV
MENU

OCCUPIED BW
XOCF 99.00
1.225MHz

CENTER 893.310MHz SPAN 3.750MHz
 RBW 30kHz VBW 30kHz SWP 50.0ms

IHET5BQ1
 SC4812ET @ 800 MHz
 CDMA BTS FRAME

ATTEN 10dB VAW 200 AMKR -17.48
RL 22.04dB 10dB/ 1.225MHz

POWER=23.04dB

MEASURE

SINGLE
MEASURE

CONT
MEASURE

CHANNEL
FNR MEN

CHAN 14
>>>>

CHAN FN
<<<<

HFE V
MEN

IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME

CENTER 850.700MHz

RBW 30kHz

VBW 30kHz

SPAN 3.750MHz

SWP 00.0ms



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SECTION F

FREQUENCY STABILITY

SC4812ET

MODE	27V POWER	WORST CASE Δ PPM	FCC REQUIREMENT	PASS/FAIL
CSM1	85-115%	<0.02	+/-1.5 ppm max	Pass
CSM2	85-115%	<0.02	+/-1.5 ppm max	Pass

MODE	TEMPERATURE	Δ PPM	FCC REQUIREMENT	PASS/FAIL
CSM1	-30 to +50°C	<0.2	+/-1.5 ppm max	Pass
CSM2	-30 to +50°C	<0.2	+/-1.5 ppm max	Pass

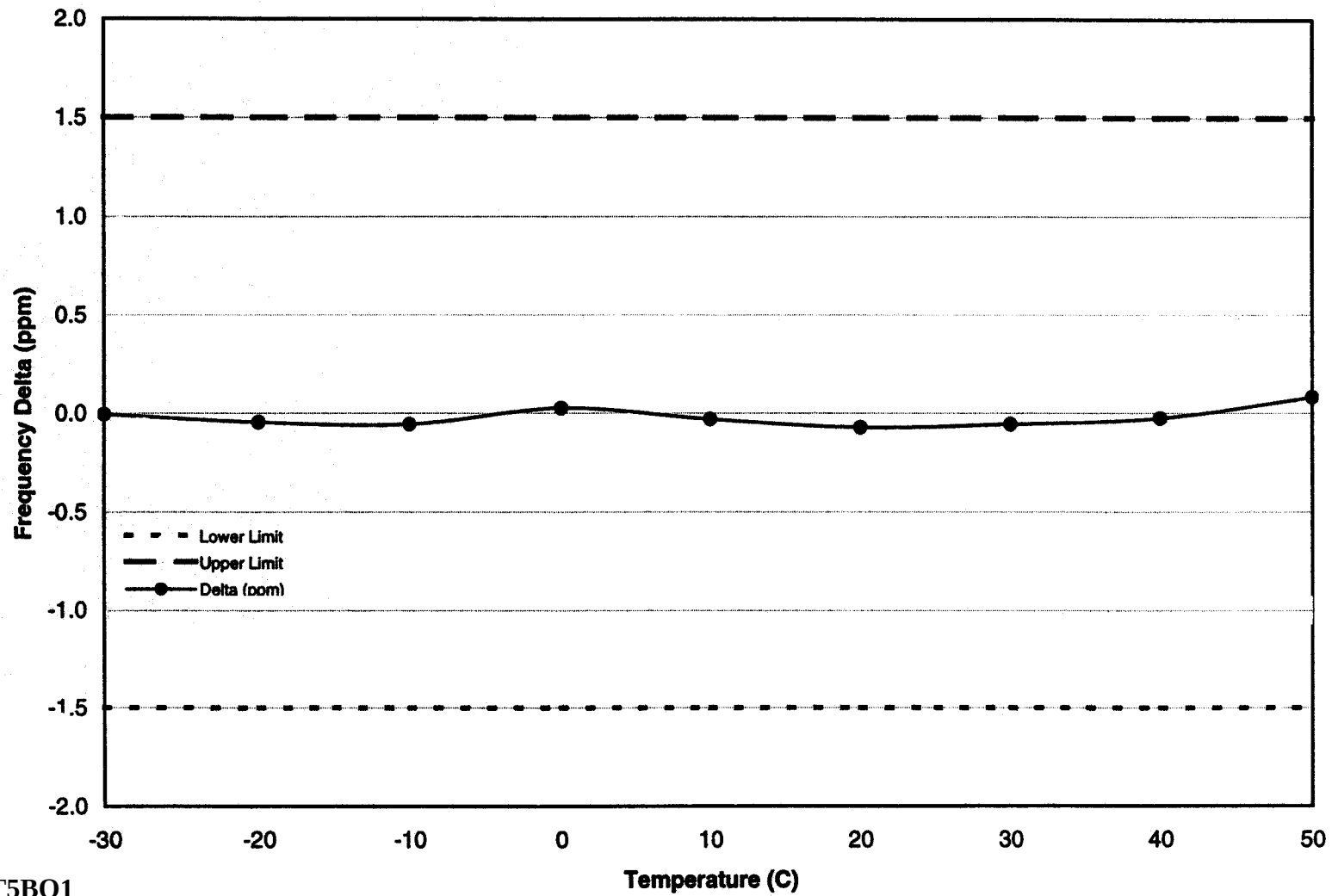
Signature: _____

Engineer: Terry Schwenk

Date

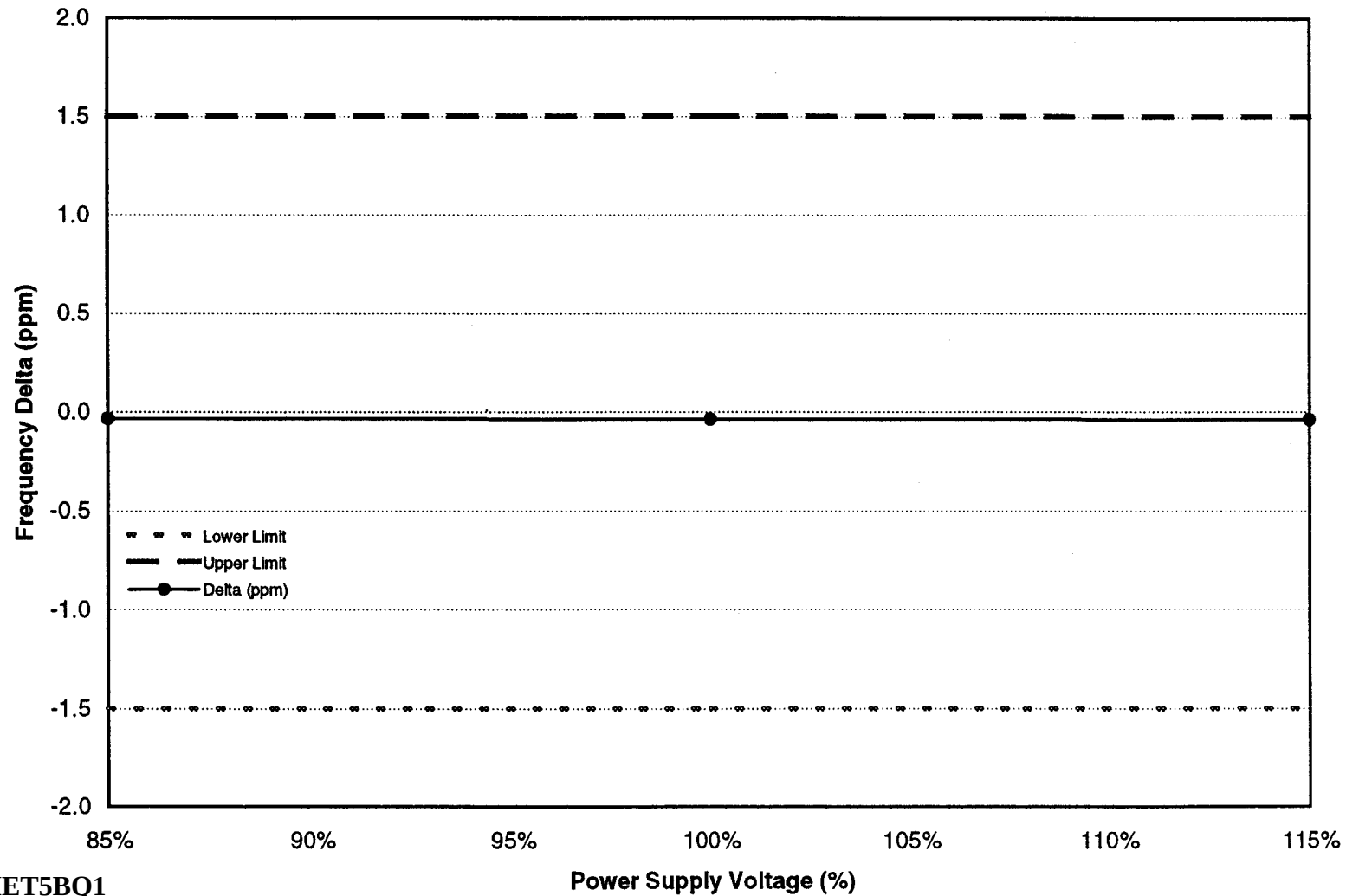
8/24/01

Frequency Stability Over Temperature - CSM1



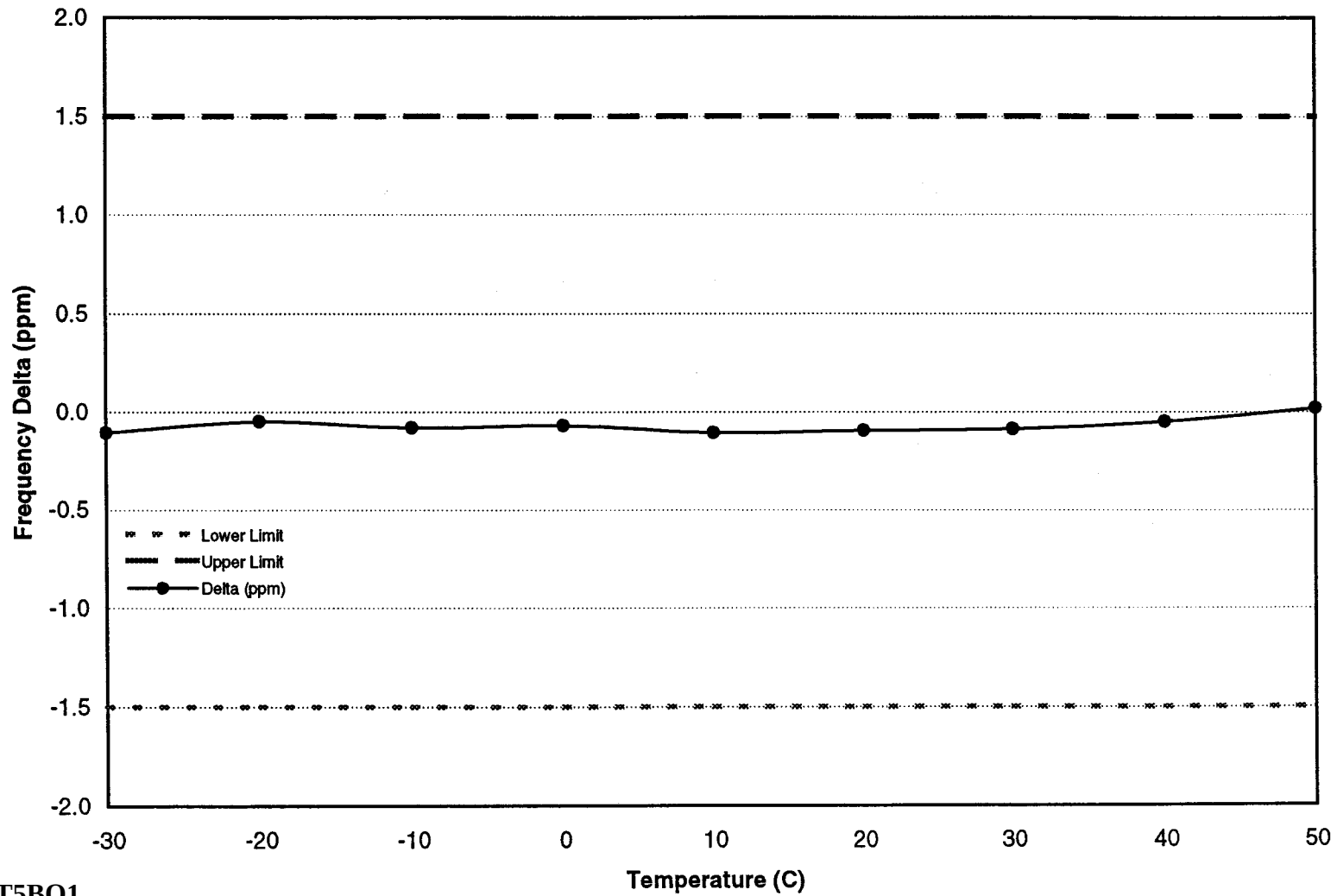
IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME

Frequency Stability with Varying Supply Voltage - CSM1



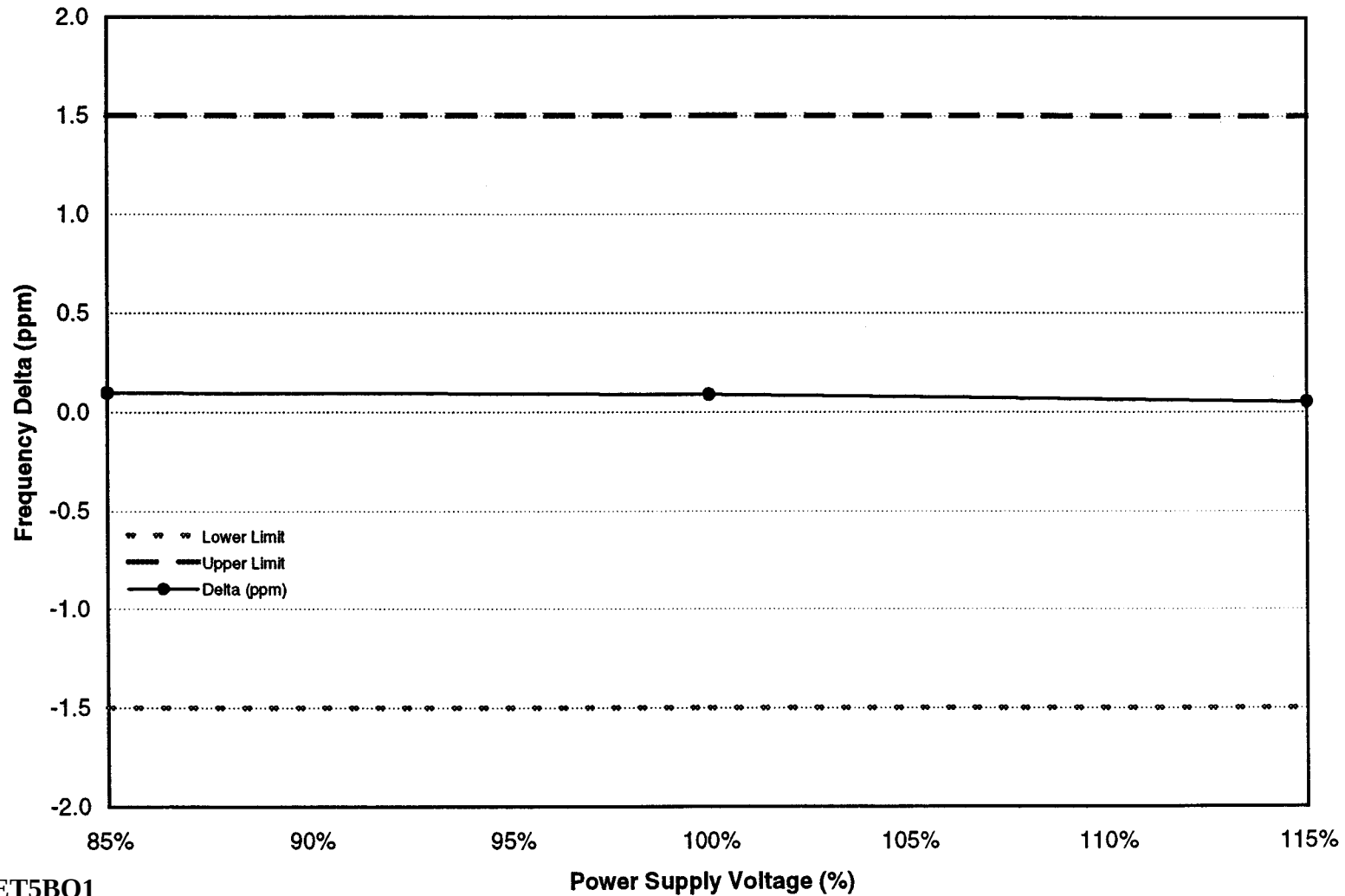
IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME

Frequency Stability Over Temperature - CSM2



IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME

Frequency Stability with Varying Supply Voltage - CSM2



IHET5BQ1
SC4812ET @ 800 MHz
CDMA BTS FRAME