

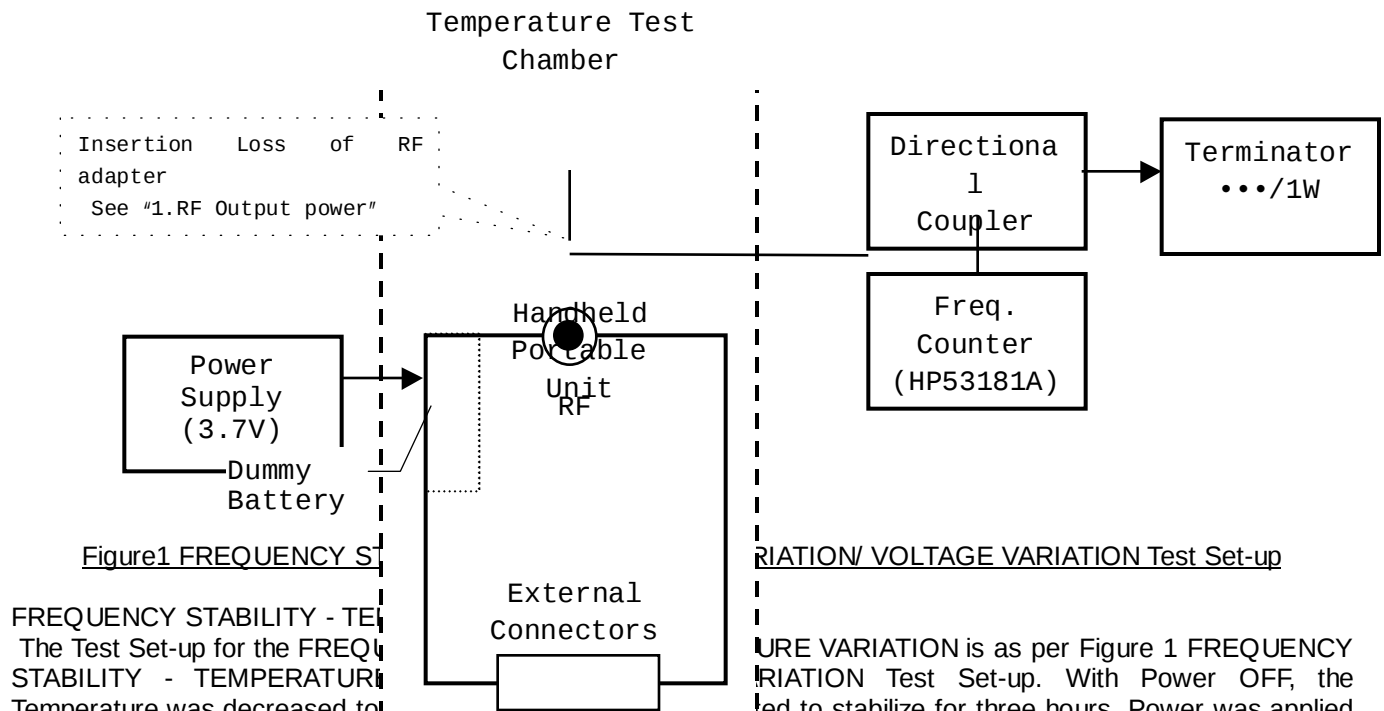
Measurement of the Frequency Stability – Temperature Variation

Figure1 FREQUENCY STABILITY - TEMPERATURE VARIATION Test Set-up

FREQUENCY STABILITY - TEMPERATURE VARIATION: The Test Set-up for the FREQUENCY STABILITY - TEMPERATURE VARIATION Test Set-up. With Power OFF, the Temperature was decreased to -25 degrees Celsius and the Maximum Frequency Change within one minute was measured.

With Power OFF, the Temperature was then raised in 10degrees Celsius Steps. The Sample was permitted to stabilize at each Step for at least one-half hour. The Power was then applied and the Maximum Frequency Change within one minute was measured.

FREQUENCY STABILITY - VOLTAGE VARIATION:

The Test Set-up for the FREQUENCY STABILITY - VOLTAGE VARIATION is as per Figure 1 FREQUENCY STABILITY - TEMPERATURE VARIATION/ VOLTAGE VARIATION Test Set-up.

With Power OFF, the Sample was permitted to stabilize at +25 +/-2 degrees Celsius. Power was then applied at 115, 100 and 85% of the Standard Test Voltage (STV), and the battery operating end point (ie: 2.92V). The frequency Change within one minute was recorded.

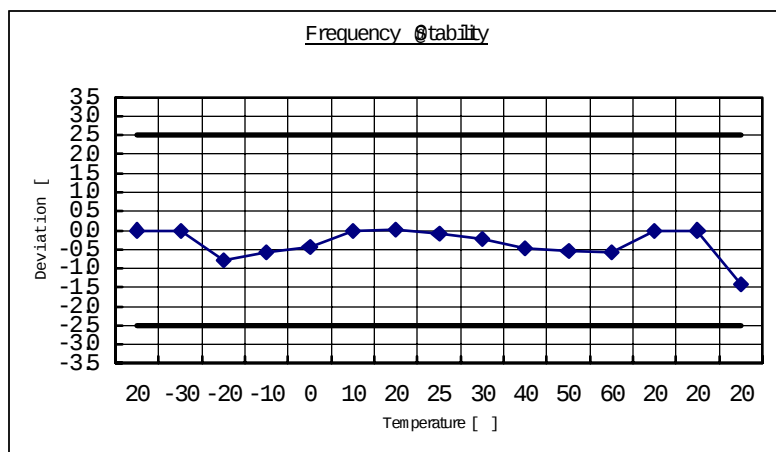
APPLICANT:
TOSHIBA CORPORATION

TRANSCIVER TYPE:
CJ6DCE37529A

Frequency Stability

PCS CDMA
600ch 1880MHz j

Voltage [V]	Temp [°C]	Frequency [Hz]	Deviation [ppm]	Spec. [ppm]	
				Upper	Lower
3.7	20	1880000600	0.00	2.5	-2.5
	-30	1880000580	-0.01	2.5	-2.5
	-20	1879999120	-0.79	2.5	-2.5
	-10	1879999500	-0.59	2.5	-2.5
	0	1879999800	-0.43	2.5	-2.5
	10	1880000560	-0.02	2.5	-2.5
	20	1880000660	0.03	2.5	-2.5
	25	1880000420	-0.10	2.5	-2.5
	30	1880000140	-0.24	2.5	-2.5
	40	1879999680	-0.49	2.5	-2.5
	50	1879999560	-0.55	2.5	-2.5
	60	1879999520	-0.57	2.5	-2.5
3.15	20	1880000540	-0.03	2.5	-2.5
4.26	20	1880000600	0.00	2.5	-2.5
2.92	20	1879997900	-1.44	2.5	-2.5



Transmitter Type : CJ6DCEA37529A
Data : Apr. 11, 2000

Kuniyoshi Marui
Kuniyoshi Marui

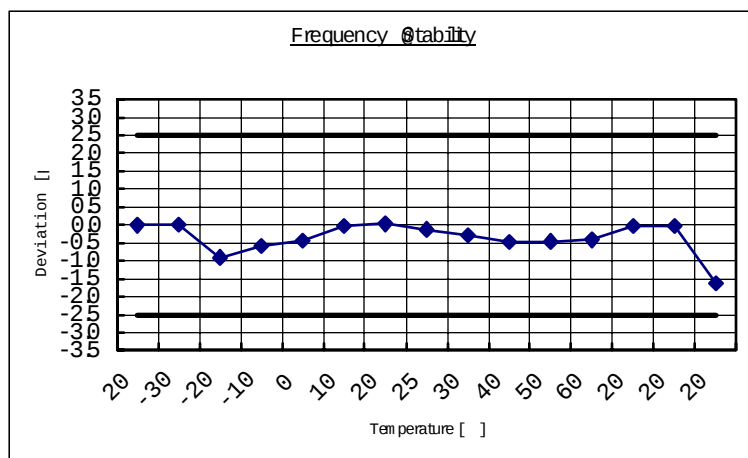
APPLICANT:
TOSHIBA CORPORATION

TRANSCIVER TYPE:
CJ6DCE37529A

Frequency Stability

AMPS
383ch 836.49MHz j

Voltage [V]	Temp []	Frequency [Hz]	Deveation [ppm]	Spec. [ppm]	
				Upper	Lower
3.7	20	836490250	0.00	2.5	-2.5
	-30	836490258	0.01	2.5	-2.5
	-20	836489492	-0.91	2.5	-2.5
	-10	836489760	-0.59	2.5	-2.5
	0	836489882	-0.44	2.5	-2.5
	10	836490230	-0.02	2.5	-2.5
	20	836490278	0.03	2.5	-2.5
	25	836490144	-0.13	2.5	-2.5
	30	836490008	-0.29	2.5	-2.5
	40	836489846	-0.48	2.5	-2.5
	50	836489864	-0.46	2.5	-2.5
	60	836489908	-0.41	2.5	-2.5
3.15	20	836490240	-0.01	2.5	-2.5
4.26	20	836490230	-0.02	2.5	-2.5
2.92	20	836488892	-1.62	2.5	-2.5



Transmitter Type : CJ6DCEA37529A
Data : Apr. 11, 2000

Kuniyoshi Marui
Kuniyoshi Marui