

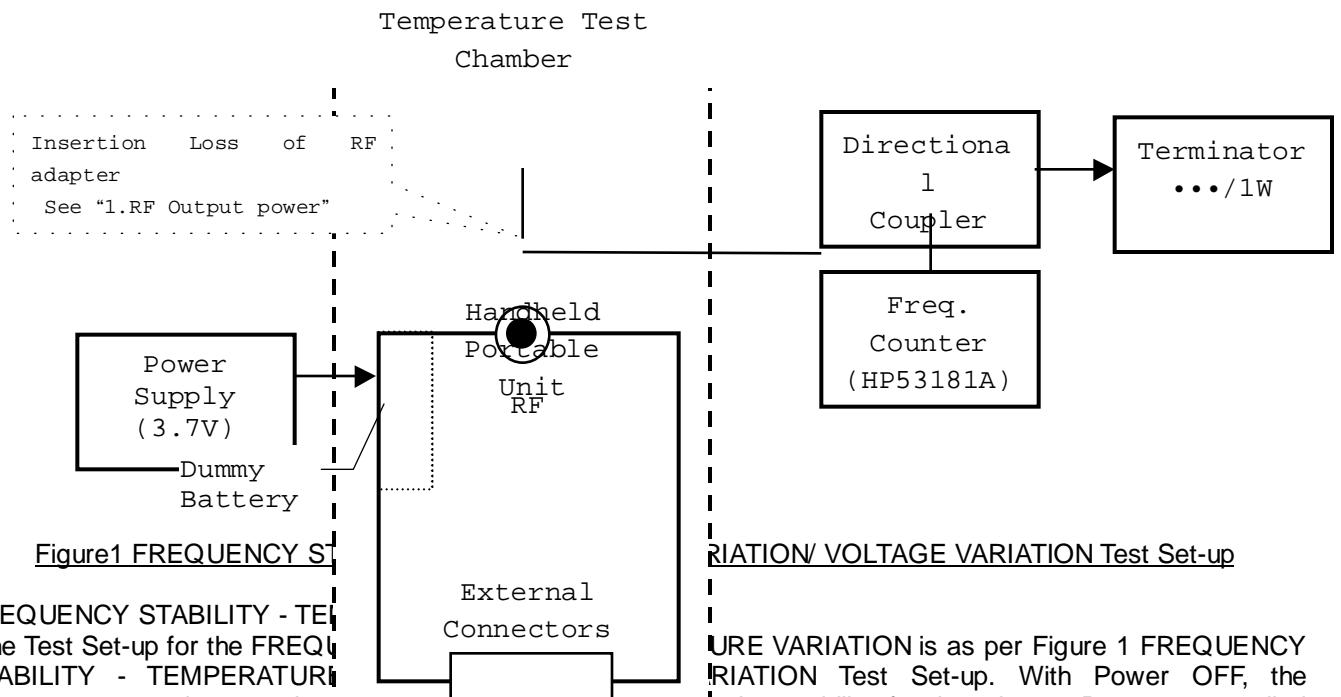
APPLICANT:

TOSHIBA CORPRTION

Measurement of the Frequency Stability – Temperature Variation

TRANSCIVER TYPE:

CJ6DCE37529A



FREQUENCY STABILITY - TEMPERATURE VARIATION/ VOLTAGE VARIATION Test Set-up  
The Test Set-up for the FREQUENCY STABILITY - TEMPERATURE VARIATION/ VOLTAGE VARIATION Test Set-up. The Temperature was decreased to -20 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.

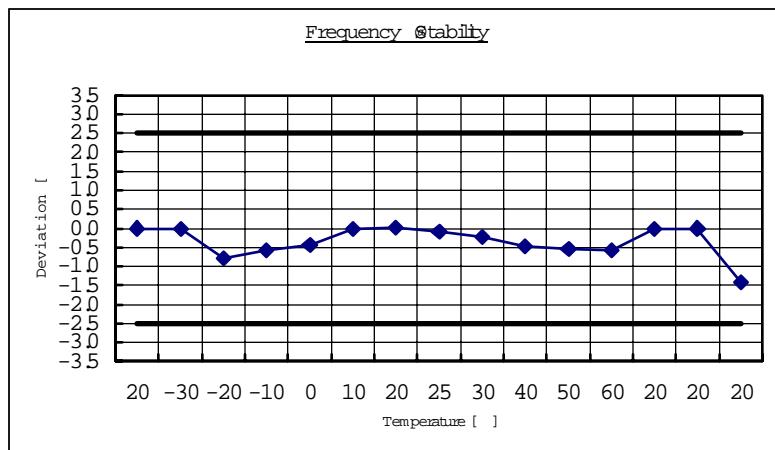
APPLICANT:  
TOSHIBA CORPORATION

TRANSCIVER TYPE:  
CJ6DCE37529A

Frequency Stability

PCS CDMA  
600ch 1880MHz j

Voltage [V]	Temp [ ]	Frequency [Hz]	Deveation [ppm]	@ @ @ @ @pc. [ppm]	
				Upper	Lower
3.7	20	1 880 000 600	0.00	2.5	-2.5
	-30	1 880 000 580	-0.01	2.5	-2.5
	-20	1 879 999 120	-0.79	2.5	-2.5
	-10	1 879 999 500	-0.59	2.5	-2.5
	0	1 879 999 800	-0.43	2.5	-2.5
	10	1 880 000 560	-0.02	2.5	-2.5
	20	1 880 000 660	0.03	2.5	-2.5
	25	1 880 000 420	-0.10	2.5	-2.5
	30	1 880 000 140	-0.24	2.5	-2.5
	40	1 879 999 680	-0.49	2.5	-2.5
	50	1 879 999 560	-0.55	2.5	-2.5
	60	1 879 999 520	-0.57	2.5	-2.5
3.15	20	1 880 000 540	-0.03	2.5	-2.5
4.26	20	1 880 000 600	0.00	2.5	-2.5
2.92	20	1 879 997 900	-1.44	2.5	-2.5



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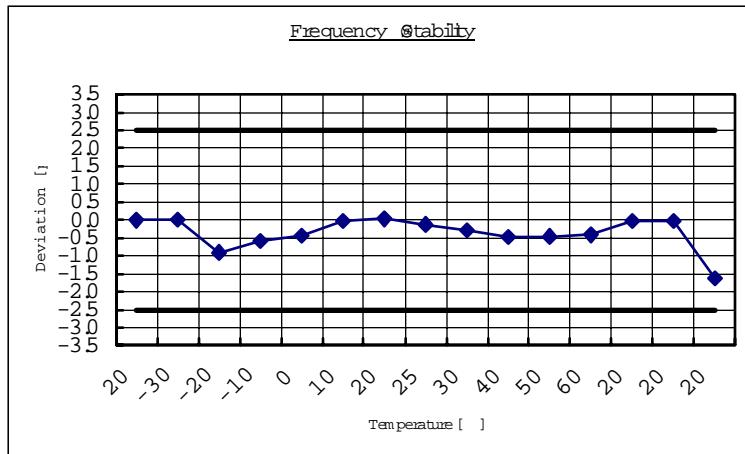
TRANSCIVER TYPE:

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



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