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FREQUENCY STABILITY (AMPS-FM)

TEMP. °C	Change, Hz	Change, ppm
-30	-84	-0.1
-20	92	0.1
-10	-184	-0.2
0	-284	-0.3
10	-293	-0.4
20	-217	-0.3
25	-92	-0.1
30	17	0.0
40	276	0.3
50	501	0.6
60	527	0.6

FREQUENCY STABILITY (AMPS-TDMA)

TEMP. °C	Change, Hz	Change, ppm
-30	14	0.0
-20	6	0.0
-10	8	0.0
0	28	0.0
10	-7	0.0
20	-53	-0.1
25	-13	0.0
30	6	0.0
40	8	0.0
50	6	0.0
60	3	0.0

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FREQUENCY STABILITY (PCS-TDMA)

TEMP. °C	Change, Hz	Change, ppm
-30	14	0.0
-20	-14	0.0
-10	0	0.0
0	3	0.0
10	0	0.0
20	-19	0.0
25	11	0.0
30	-9	0.0
40	4	0.0
50	19	0.0
60	8	0.0

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NAME OF TEST: Frequency Stability (Voltage Variation)

SPECIFICATION: 47 CFR 2.1055 (b)(1)

GUIDE: TIA/EIA/IS-137-A-1996

TEST EQUIPMENT: As per previous page
MEASUREMENT PROCEDURE

1. The EUT was placed in a temperature chamber at $25 \pm 5^\circ\text{C}$ and connected as for "Frequency Stability - Temperature Variation" test.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

RESULTS: Frequency Stability (Voltage Variation)

STATE: 0:General AMPS MODE

BATTERY END POINT (Voltage) = 3.1

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
85	3.2	836.399910	-90	-0.1
100	3.8	836.399908	-92	-0.1
115	4.4	836.399916	-84	-0.1
B.E.P.	3.1	836.399910	-85	-0.1

RESULTS: Frequency Stability (Voltage Variation)

STATE: 0:General AMPS-TDMA MODE

BATTERY END POINT (Voltage) = 3.1

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
85	3.2	836.399990	-10	0.0
100	3.8	836.399987	-19	0.0
115	4.4	836.399991	-9	0.0
B.E.P.	3.1	836.400021	21	0.0

RESULTS: Frequency Stability (Voltage Variation)

STATE: 0:General PCS-TDMA MODE

BATTERY END POINT (Voltage) = 3.1

% of STV	Voltage	Frequency, MHz	Change, Hz	Change, ppm
85	3.2	1879.980003	3	0.0
100	3.8	1879.980011	11	0.0
115	4.4	1879.980005	5	0.0
B.E.P.	3.1	1879.979991	-9	0.0



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