

FREQUENCY STABILITY VERSUS TEMPERATURE [2.1055 (b)]

Tester  Date 6/3/02 EUT 724055-804Witness  Date JUN 03 2002 EUT SN MSA 5888Transmitter Operating Frequency 895.005500 MHz

Ambient Temp. (OC)	Measured Frequency (MHz)	Deviation from Assigned Freq. (ppm)	Comments: Effect of Keying & oven cycling
-30	895.0055074	.0083	NONE
-20	895.0055073	.0082	NONE
-10	895.0055080	.0089	NONE
0	895.0055083	.0093	NONE
10	895.0055079	.0088	NONE
20	895.0055087	.0097	NONE
30	895.0055096	.0107	NONE
40	895.0055096	.0107	NONE
50	895.0055087	.0097	NONE

COLD-START FREQUENCY STABILITY [2.1055 (c)]

Tester  Date 6/3/02 EUT 724855-804Witness  Date JUN 03 2002 EUT SN MSA 5888Transmitter Operating Frequency 895.005500 MHz

Cold-Start Ambient Temp. (°C)	Elapsed Time ¹	Measured Frequency	Deviation from Assigned Freq.(ppm)
-30	0	895.0055074	.0083
-30	1	895.0055071	.0079
-30	2	895.0055071	.0079
-30	3	895.0055069	.0077
-30	4	895.0055070	.0078
-30	5	895.0055069	.0077
-30	6	895.0055070	.0078
-30	7	895.0055070	.0078
-30	8	895.0055070	.0078
-30	9	895.0055071	.0079
-30	10	895.0055071	.0079
0	0	895.0055083	.0093
0	1	895.0055081	.0091
0	2	895.0055081	.0091
0	3	895.0055079	.0088
0	4	895.0055076	.0085
0	5	895.0055077	.0086
0	6	895.0055080	.0089
0	7	895.0055076	.0085
0	8	895.0055078	.0087
0	9	895.0055080	.0089
0	10	895.0055072	.0080
30	0	895.0055096	.0107
30	1	895.0055096	.0107
30	2	895.0055095	.0106
30	3	895.0055095	.0106
30	4	895.0055094	.0105
30	5	895.0055096	.0107
30	6	895.0055096	.0107
30	7	895.0055094	.0105
30	8	895.0055093	.0104
30	9	895.0055095	.0106
30	10	895.0055096	.0107

1. Time elapsed after transmitter is initially keyed

FREQUENCY STABILITY VERSUS PRIMARY POWER VOLTAGE [2.1055 (d)]

Tester  Date 6/2/02 EUT 724855-804Witness  Date JUN 02 2002 EUT SN MSA 5888Transmitter Operating Frequency 895.005500 MHz

Input Voltage (VDC)	Measured Frequency (MHz)	Deviation from Assigned Freq. (ppm)	Comments: Effect of Keying & oven cycling
23.80 V. (85 %)	895.0055077	.0086	895.0055081 AFTER 5 MIN.
24.00 V.	895.0055078	.0087	895.0055081 AFTER 5 MIN.
25.00 V.	895.0055078	.0087	895.0055080 AFTER 5 MIN.
26.00 V.	895.0055079	.0088	895.0055080 AFTER 5 MIN.
27.00 V.	895.0055078	.0087	895.0055080 AFTER 5 MIN.
28.00 V.	895.0055080	.0089	895.0055080 AFTER 5 MIN.
29.00 V.	895.0055077	.0086	895.0055086 AFTER 5 MIN.
30.00 V.	895.0055077	.0086	895.0055085 AFTER 5 MIN.
31.00V	895.0055084	.0094	895.0055085 AFTER 5 MIN.
32.20 V. (115 %)	895.0055087	.0097	895.0055086 AFTER 5 MIN.

