

6b.4 Frequency Stability in the MOTotalk ISM Band -- Pursuant 47 CFR 2.1055a(1) & 2.1055(d)2

The transmitter was set to transmit on a single frequency of 915.525 MHz using a special test mode not accessible by the user. The data shown below shows the maximum frequency excursion due to temperature and voltage extremes.

Frequency Stability in ppm at 915.525 MHz			
Temp, °C	3.55V	4.0V	4.2V
-30	0.74	0.77	0.78
-20	0.76	0.78	0.77
-10	0.63	0.64	0.63
0	0.61	0.64	0.59
10	0.50	0.52	0.55
20	0.30	0.31	0.33
30	0.27	0.23	0.22
40	0.11	0.12	0.17
50	0.01	0.07	0.03

Table 6b-4.1. Transmitter Frequency stability VS Temperature at 915.525 MHz

Frequency Stability in ppm at 915.525 MHz, 25 deg C	
Voltage, V	Tx Freq Stability, ppm
4.2	0.16
4.1	0.16
4	0.16
3.9	0.16
3.8	0.17
3.7	0.19
3.6	0.18
3.55	0.16

Table 6b-4.2. Transmitter Frequency Stability VS Voltage at 915.525 MHz