Item 2:
The G100 transmitter operates over the 896-902MHz frequency range. This frequency range is covered under two FCC rules parts. When operating over the 896-901MHz range, the G100 operates under the FCC Part 90 rules. When operating over the 901-902MHz range, the G100 operates under the FCC Part 24 rules. The maximum operating RF output power (ERP) was measured by CKC Laboratories, Inc. to be 5.85 Watts when operating from 896-901MHz under Part 90 rules and 2.674Watts when operating from 901-902MHz under Part 24 rules. The G100 transmits at different power levels depending upon what the transmit frequency is used. Refer to page 6 of the test report for more details regarding the operating RF output power.

If the limit were 7 watts, a 1dB margin would be insufficient. However, the 5.85 watt measurement you are referring to was measured below 901MHz and falls under Part 90, which has a 100Watt limit (per 90.6359(d)). This equates to a margin of 12.33dB. The measurement performed for part 24.132 (Page 8 of the Test Report) was recorded at 2.674Watts and therefore yields a margin of 4.18dB.

CKC Laboratories, Inc. felt that a 4.18dB Margin was sufficient and opted not to perform the substitution method.