

20-June-03

- 1) Please see updated photo (Phantomtype_singlebd.JPG)
- 2) See attached active device list (RH-40 Active Devices.pdf)
- 3) Thank you for the clarification. The voltage input to the amplifier stages is the battery voltage - 3.6V.
- 4) The submission was made prior to the FCC's clarification of this rule part. Retroactive enforcement of this clarification is not in accordance with the FCC's time to market initiative.
- 5) Emission Designator = 40K0F8W
Calculation: Voice + SAT
Modulation: Voice is 2.5 kHz and SAT is 6 kHz — Maximum modulation is $M = 6$ kHz
Deviation: Voice is 11.3 kHz and SAT is 1.85 kHz — Maximum deviation is $D = 11.3 + 1.85 = 13.15$ kHz
 $B_n = 2xM + 2xDK$ with $K = 1$
 $B_n = 38.30$ kHz

Calculation: Signaling Tone (ST) + SAT
Modulation: ST is 10 kHz and SAT is 6 kHz — Maximum modulation is $M = 10$ kHz
Deviation: ST is 7.69 kHz and SAT is 1.85 kHz — Maximum deviation is $D = 7.69 + 1.85 = 9.54$ kHz
 $B_n = 2xM + 2xDK$ with $K = 1$
 $B_n = 39.08$ kHz

Emission Designator = 40K0F1D
Calculation: Voice + SAT
Modulation: Wideband Data is 10 kHz and SAT is 6 kHz — Maximum modulation is $M = 10$ kHz
Deviation: Wideband Data is 7.59 kHz and SAT is 1.85 kHz — Maximum deviation is $D = 7.59 + 1.85 = 9.44$ kHz
 $B_n = 2xM + 2xDK$ with $K = 1$
 $B_n = 38.88$ kHz
- 6) Please refer to attached plots (0023 OBW.pdf and 0029 OBW.pdf)
- 7) Please refer to attached plots (0023 OBW.pdf and 0029 OBW.pdf)
- 8) 2700 Hz is specified in the EIA/TIA spec and should be acceptable.
- 9) Your comments are noted, thank you; we are prepared to take the risk with this submission.
- 10) When conductivity is higher than recommended, SAR results are overestimated. This conclusion is also supported by System Accuracy Verification result of 26-Feb-03, which is 9% higher than the Reference Result. The maximum SAR results, 1.19 W/kg for BOM1 and 1.23 W/kg for BOM2, have been measured on 21-Feb-03. Repeat of 26-Feb-03 measurements would not change status of SAR compliance or level of maximum results.