



HERMON LABORATORIES

October 22, 2003

American TCB
6731 Whittier Ave
Suite C110
McLean, VA 22101
Attn: Mr. T. Johnson, Examining Engineer

RE: your e-mail dated August 28, 2003; Dekolink Wireless Ltd.
FCC ID: OIWBD AESMR50W90, ATCB000672

Dear Mr. Johnson,
Please find below the answers to your questions.

- 1) The correct FRN is 0009032368. The changed Form 731 was uploaded on September 16, 2003.
- 2) Internal photographs "Internal_photos_15558_rev1" were uploaded on September 16, 2003.
- 3) A revised label "Label_rev1_15558" was uploaded on September 16, 2003 via Label Location folder.
- 4) Part list 3 files were uploaded on September 16, 2003.
- 5) The schematics file BDA_ESMR_CIRCUITS_15558 was uploaded on September 16, 2003 via Schematics folder.
- 6) The "Tune_up_procedure_15558" and "AGC_function_description_15558" files were uploaded on September 16, 17, 2003 via Additional information.
- 7) This section was removed from the test report, refer to DECRAD_FCC.15558_rev1, uploaded on September 16, 2003 via Test Reports folder.
- 8) Min input level corresponds to the maximum gain of the amplifier and vice versa. Max and min input signal levels, max and min gain values were claimed by the manufacturer, as you suggested in your e-mail dated June 10, 2003
- 9) The test suite was confirmed by you in e-mail dated June 10, 2003, items a, b, c, d. Upon this the amplitude characteristic test was not supposed to be performed.
- 10) One of the BDA components, LNA, has the 45 dB gain. The gain between the BDA input and output can be adjusted in the 60 ÷ 90 dB range.
- 11) The new measurements were performed in downlink mode:
 - a) measurements for single frequency were repeated with the same settings as depicted in DECRAD_FCC.15558 test report;
 - b) entire operating band with 3 tones input signal was captured and aggregate power was calculated;
 - c) the total power was measured with a power meter and is equal to aggregate power.The measurements were performed for minimum and maximum input signals. Refer to Amendment 1, plots 1-1 to 1-10 in test report DECRAD_FCC.15558_rev2.
Revised test report DECRAD_FCC.15558_rev2 with Amendment 1 **was not uploaded** on October 22, 2003. Please open the site.
Please change the output power appears in grant accordingly (10 W in downlink mode).



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12) This device is designed for multi-carrier use. Output power test was performed for the single middle channel: one in uplink band and one in downlink band and repeated in multicarrier mode (as shown in section 11 above).

13) Dekolink confirms the typical signals are digital, 16 QAM, multi-carrier, for data and voice. In downlink mode: max level of input signal is -21.9 dBm, min level is -51.6 dBm, in uplink mode: max level of input signal is -31.8 dBm, min level is -60.5 dBm.

14) D7W emission designation – refer to item 13.

15) The test was done according to the test suite confirmed by you on June 10, 2003.

16), 17) – OK.

Many thanks for your support and patience.

Sincerely,

Marina Cherniavsky,
certification engineer
Hermon Laboratories