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September 22, 2003

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

RE: your e-mail dated September 2, 2003; Dekolink Wireless Ltd.
FCC ID: OIWDR80050W90B, ATCB000675

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

1) The correct FRN is 0009 0323 68. The changed "ATCB_Form 731_15557_rev1" was uploaded on September 22, 2003

2) Component photographs "Internal_photos_15557_rev1" were uploaded on September 22, 2003.

3) A revised label "Label_15557_rev1" was uploaded on September 22, 2003 via Label Location folder.

4) Part list was uploaded on September 22, 2003 via Part List folder.

5) The schematics files "schematic_dig_filter_15557" and "schematic_monitor_card_15557" were uploaded on September 22, 2003 via Schematics folder.

6) We confirm, that this device retransmits the same frequencies (received).

7) The "Tune_up_procedure_15557" file was uploaded on September 22, 2003 via Additional information.

8) This section was removed from the test report, refer to DECRAD_FCC.15557_rev2, uploaded on September 22, 2003 via Test Reports folder.

9) 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

10) 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.

11) The maximum measured output power for downlink was 39.8 dBm (see our test report DEKRAD_FCC.15557, page 6), i.e. 9.55 watt.
We confirm that it was the worst case, the output power in any case is equal or less than 9.55 W, refer to Tune-up_procedure_15557.

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.

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13) Dekolink designed Digital Repeater to use IDEN technology. The iDEN signal is a typical expected input signal, containing 4 channels with 16QAM modulation, multi-carrier.
In downlink mode: max level of input signal is –23 dBm (minimum gain), min level is –50 dBm (maximum gain) to reach allowable ALC level, in uplink mode: max level of input signal is –33 dBm (minimum gain), min level is –60 dBm (maximum gain).

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) The plots 58 and 59 are identical, but markers show peak spurious emission at different frequencies.

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

18) The test was not performed by the substitution method, because no spurious emissions were found.

19), 20) – OK.

Many thanks for your help and patience.

Sincerely,

Marina Cherniavsky,
certification engineer
Hermon Laboratories