

FCC Part 90 Transmitter Certification

Test Report

FCC ID: DNY0A5EC2ESMR

FCC Rule Part: CFR 47 Part 90

ACS Report Number: 06-0469-90-A

Manufacturer: EMS Wireless
Equipment Type: ESMR Fiber Optic DAS
Tradename: EkoCell® II
Model: EC2ESMR

Test Begin Date: January 29, 2007

Test End Date: February 14, 2007

Report Issue Date: February 15, 2007



FOR THE SCOPE OF ACCREDITATION UNDER LAB Code 200612

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This report contains 9 pages

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1.0 Occupied Bandwidth (Input vs. Output)

1.1 Downlink

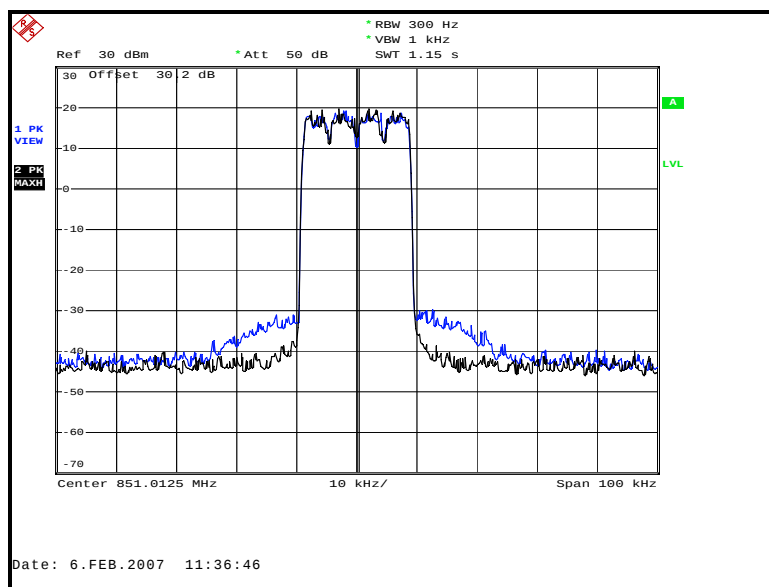


Figure 1: Occupied Bandwidth - Downlink iDEN Low Channel

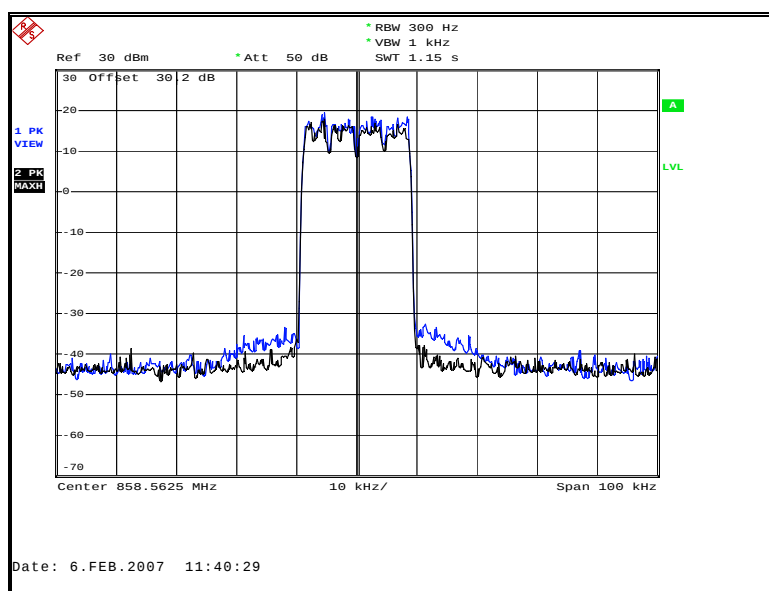


Figure 2: Occupied Bandwidth - Downlink iDEN Mid Channel

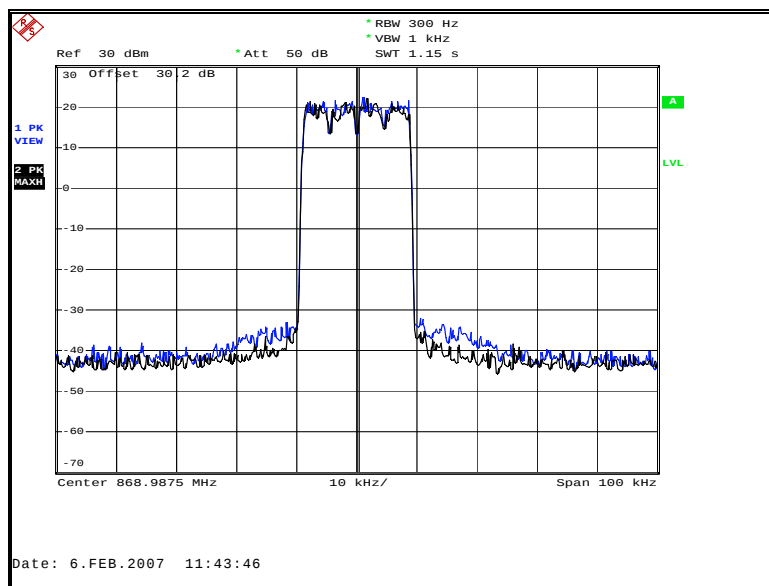


Figure 3: Occupied Bandwidth - Downlink iDEN High Channel

2.0 Spurious Emissions at Antenna Terminals and Inter-modulation Products

2.1 iDEN Downlink

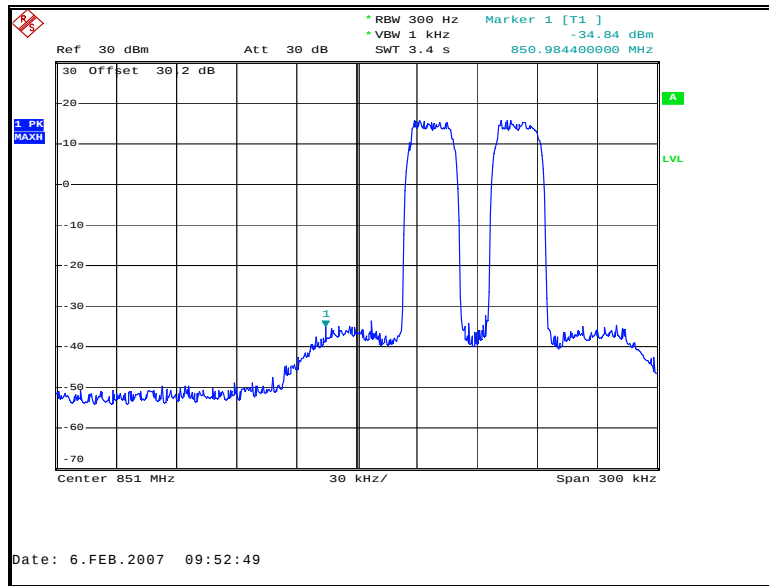


Figure 4: Spurious Emissions - Downlink iDEN Low Channel – Inter-modulation In Band

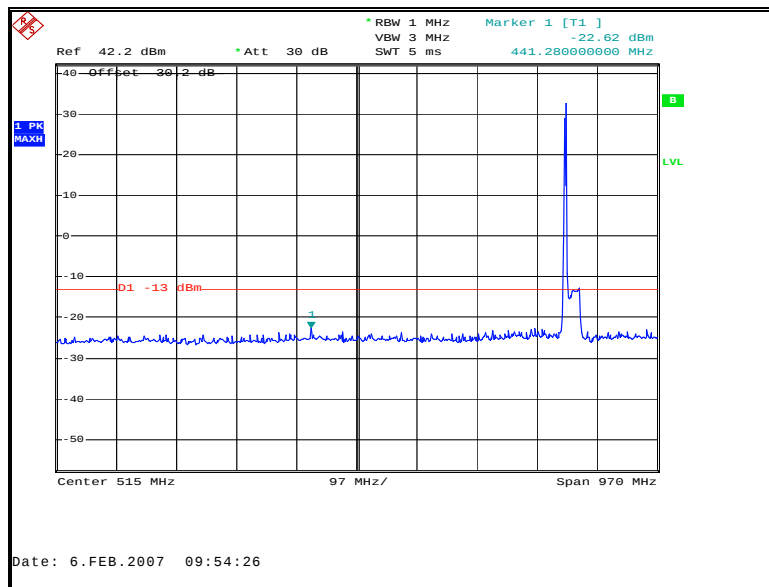


Figure 5: Spurious Emissions - Downlink iDEN Low Channel – Inter-modulation-30MHz to 1GHz

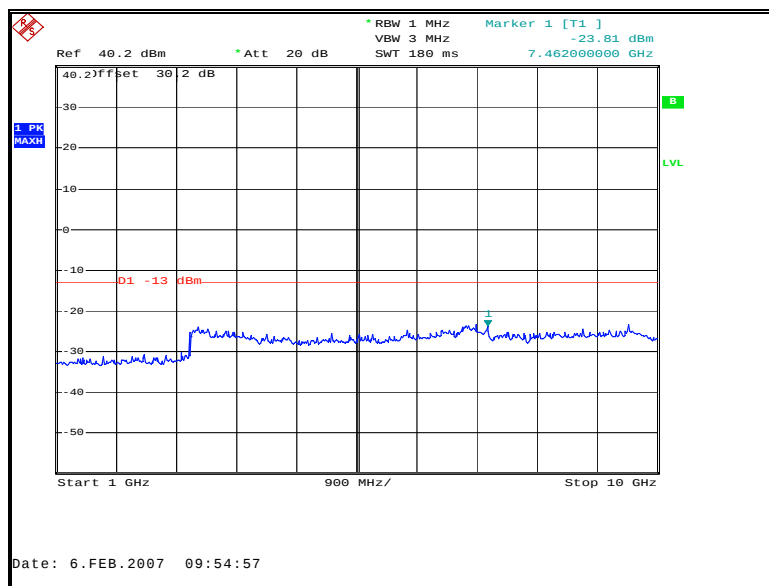


Figure 6: Spurious Emissions - Downlink iDEN Low Channel – Inter-modulation - 1 to 10 GHz

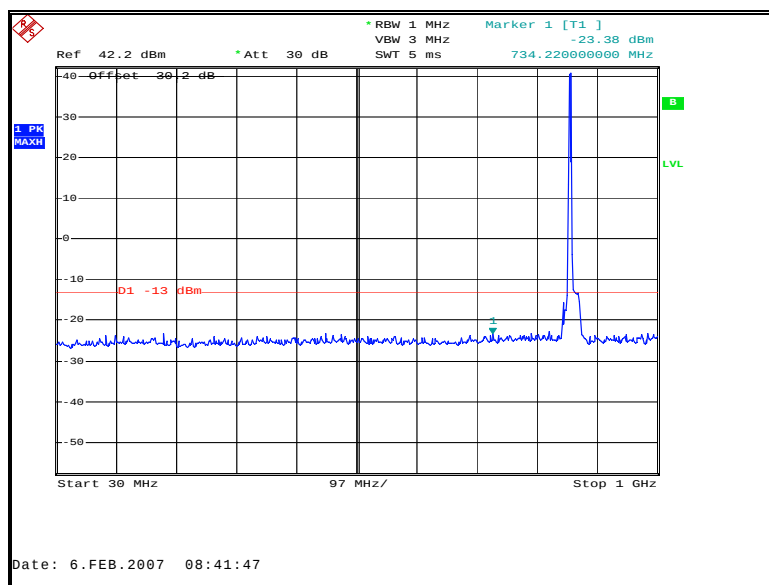


Figure 7: Spurious Emissions - Downlink iDEN Mid Channel – 30 MHz to 1 GHz

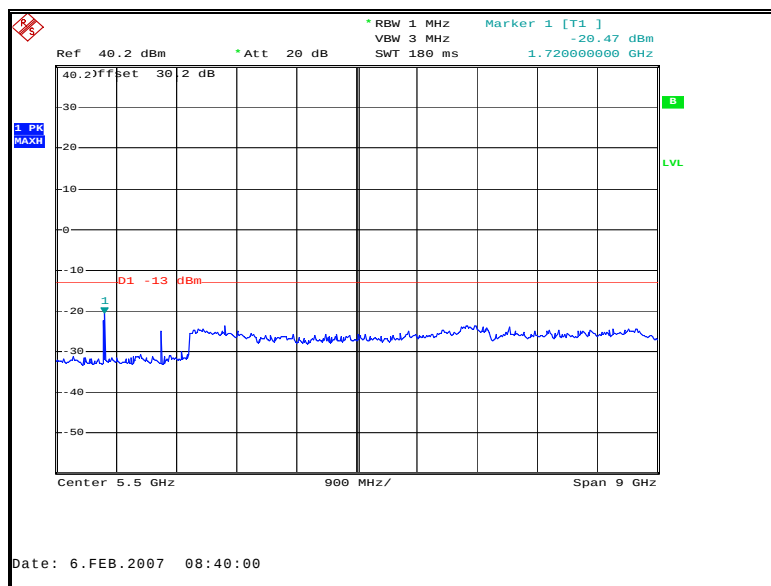


Figure 8: Spurious Emissions - Downlink iDEN Mid Channel – 1 to 10 GHz

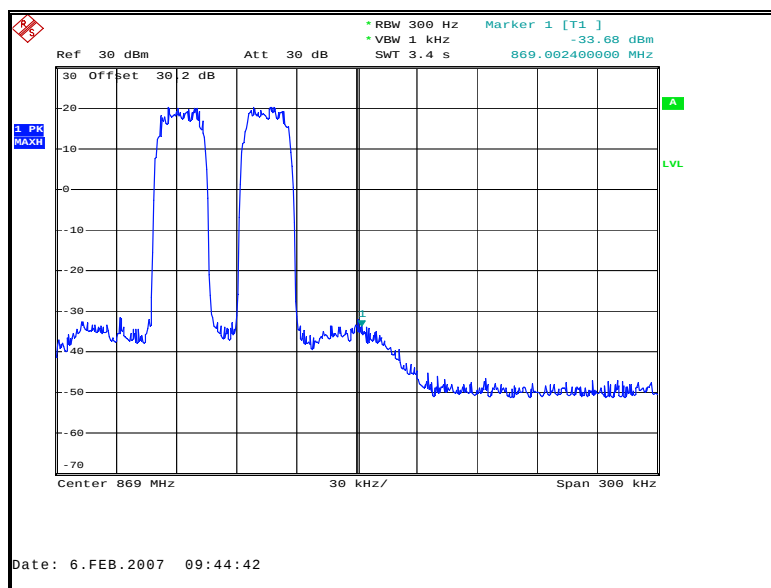


Figure 9: Spurious Emissions - Downlink iDEN High Channel – Inter-modulation In Band

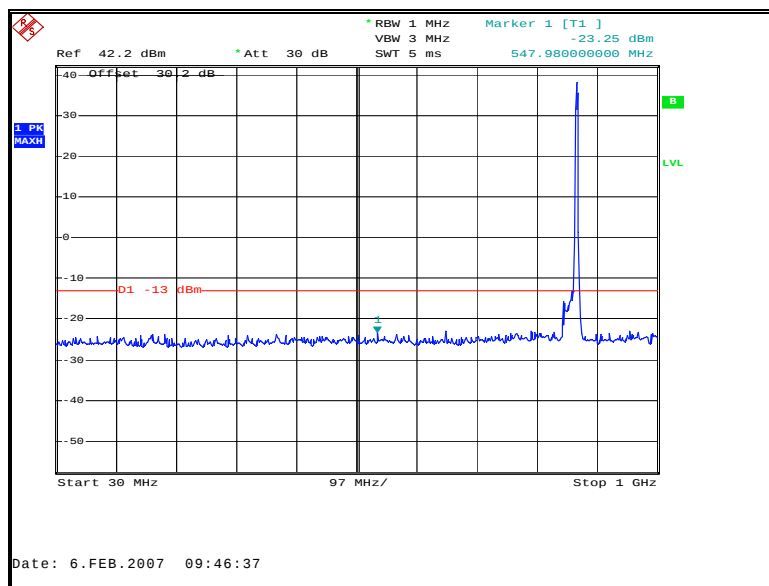


Figure 10: Spurious Emissions - Downlink iDEN High Channel –Inter-modulation-30MHz to 1GHz

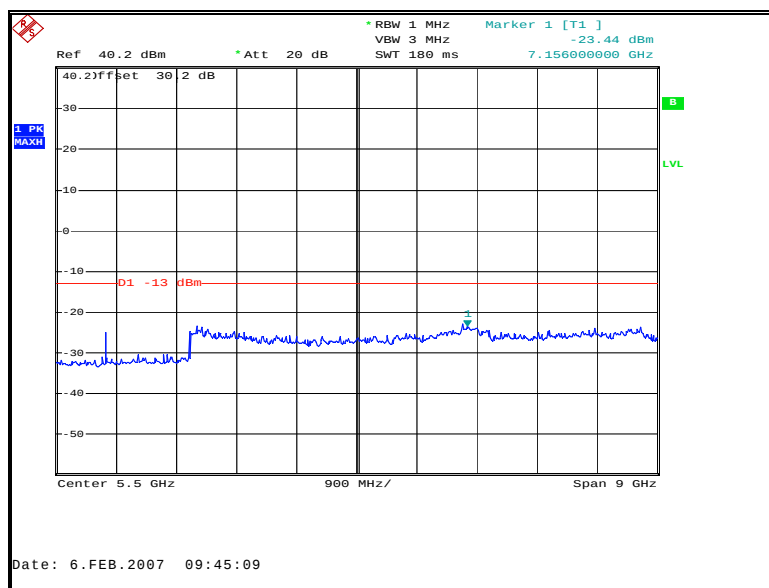


Figure 11: Spurious Emissions - Downlink iDEN High Channel – Inter-modulation - 1 to 10 GHz

3.0 Band-edge

3.1 iDEN Downlink

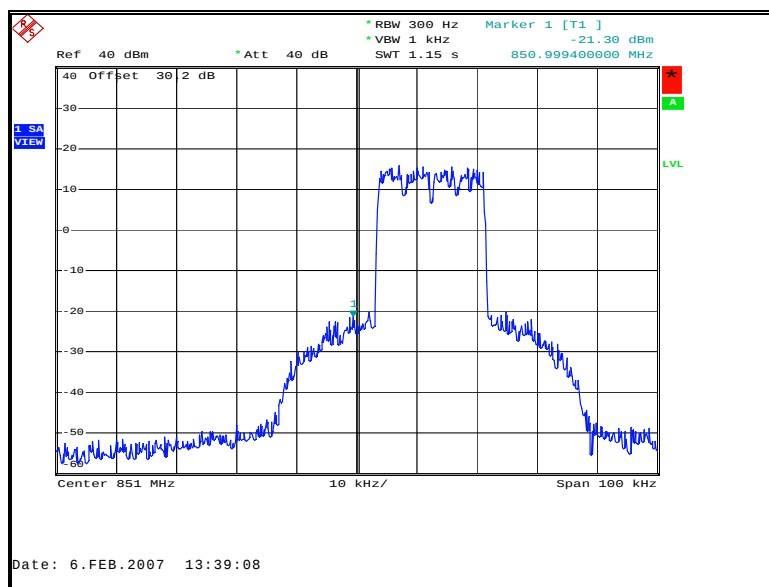


Figure 12: Band-Edge Downlink iDEN Low Channel

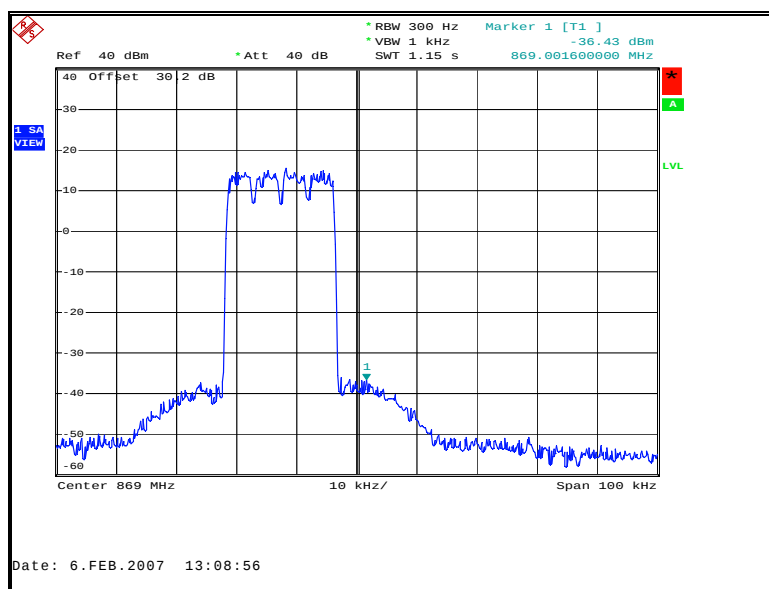


Figure 13: Band-Edge Downlink iDEN High Channel

END REPORT