

ANNEX 4 TO TEST REPORT # EMCC-010133BC, 2002-12-13

BANDWIDTH AND BAND-EDGE COMPLIANCE

EQUIPMENT UNDER TEST:

| | |
|---------------------|---|
| Trade Name: | i-CARD Interrogator |
| Model No.: | i-Card3 |
| Serial No.: | none |
| Equipment Category: | Transceiver |
| Manufacturer: | IDENITEC SOLUTIONS AG |
| Address: | Millennium Park 2 A-6890 Lustenau Austria |
| Phone: | +43-5577-87 387-0 |
| Fax: | +43-5577-87 387-15 |
| E-mail: | r.gantner@identecsolutions.at |

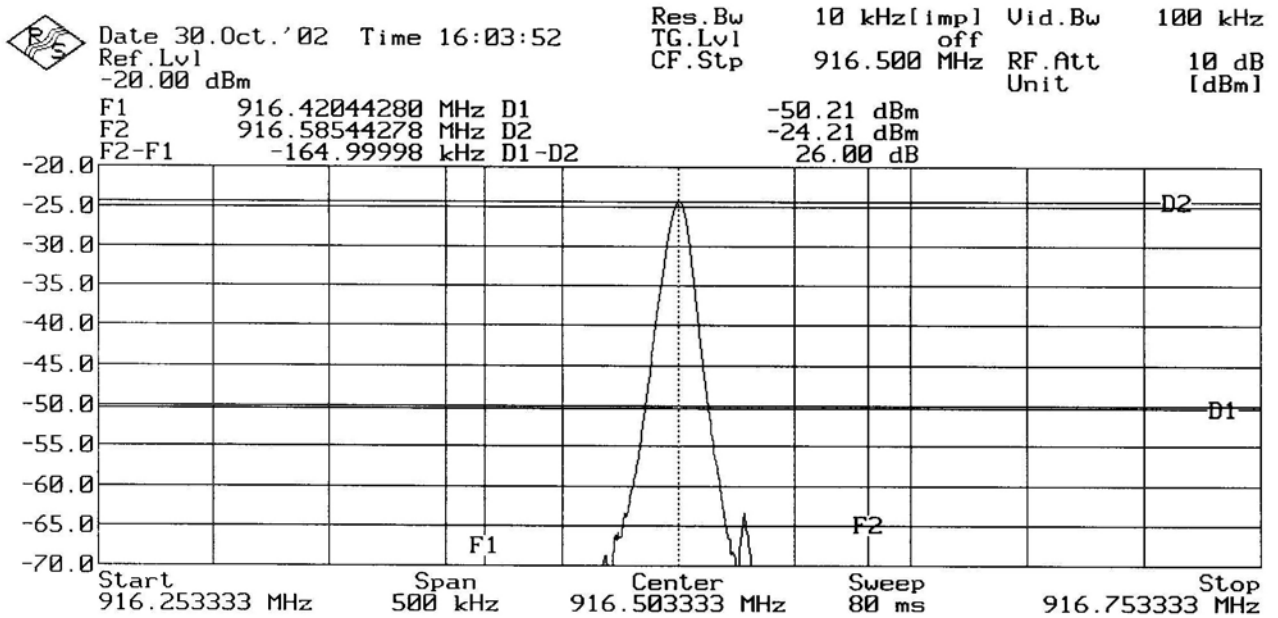
RELEVANT STANDARD: 47 CFR Part 15.249

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TEST OF IDENTEC SOLUTIONS AG I-CARD INTERROGATOR MODEL I-CARD3 TO 47 CFR PART 15.249

1 BANDWIDTH

Remark: Bandwidth measured according to ANSI C63.4.

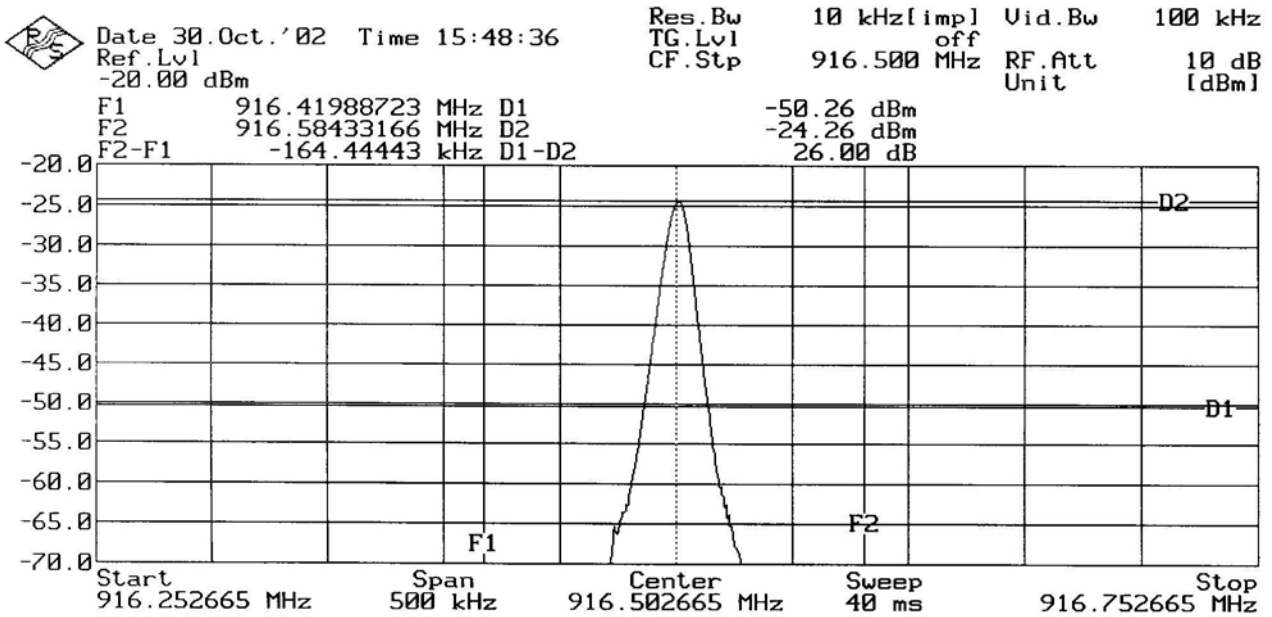


Plot 1.1: EUT: i-Card3 connected via RS232 port to laptop PC;
 Reference plot with unmodulated carrier.

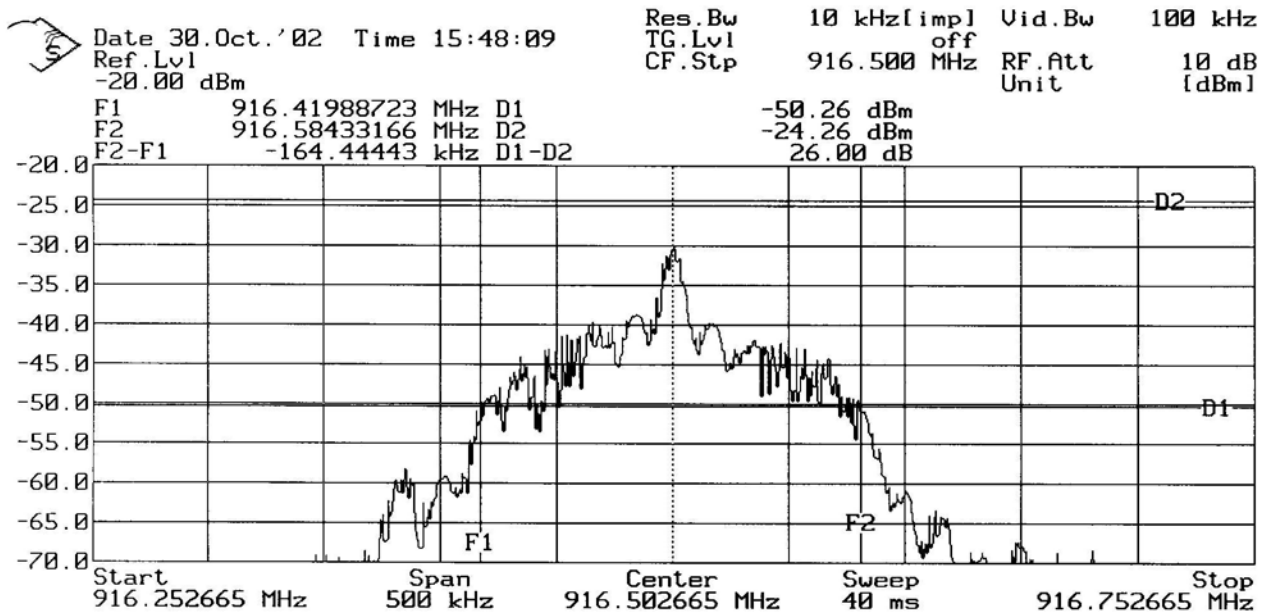


Plot 1.2: EUT: i-Card3 connected via RS232 port to laptop PC;
 26 dB Bandwidth (normal operating mode: continuous tag reading process, 0.1 s delay)

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Plot 1.3: EUT: i-Card3 installed inside of a Compaq iPAQ Expansion Pack;
 Reference plot with unmodulated carrier.

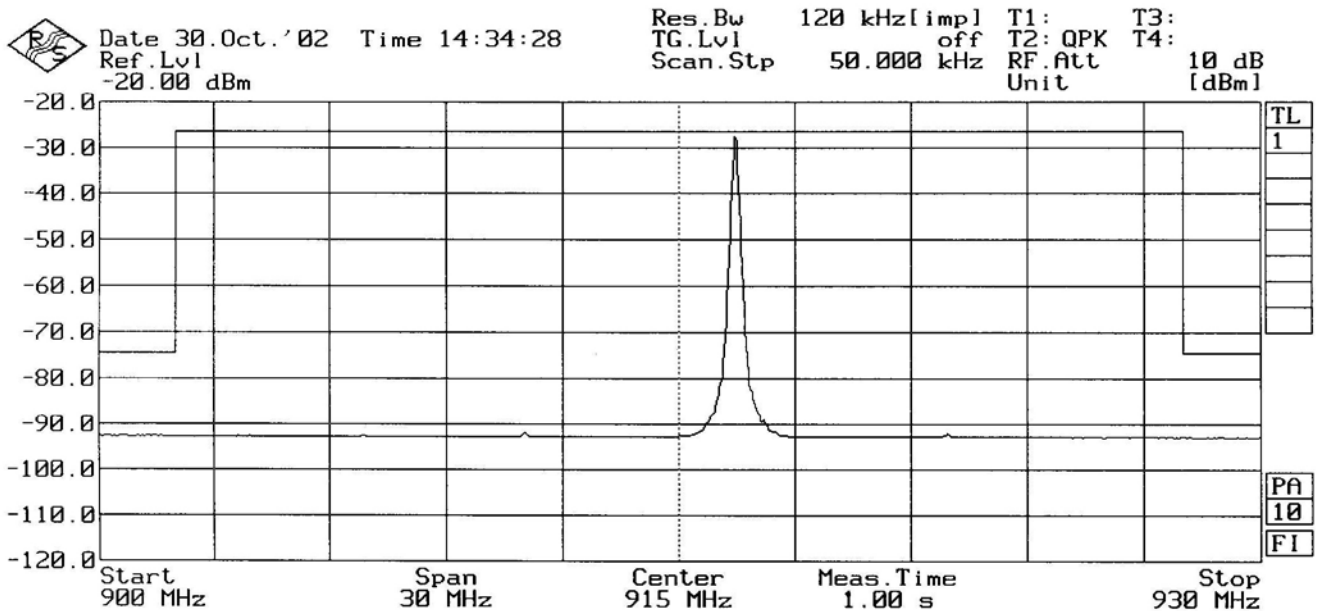


Plot 1.4: EUT: i-Card3 installed inside of a Compaq iPAQ Expansion Pack;
 26 dB Bandwidth (normal operating mode: continuous tag reading process, 0.1 s delay)

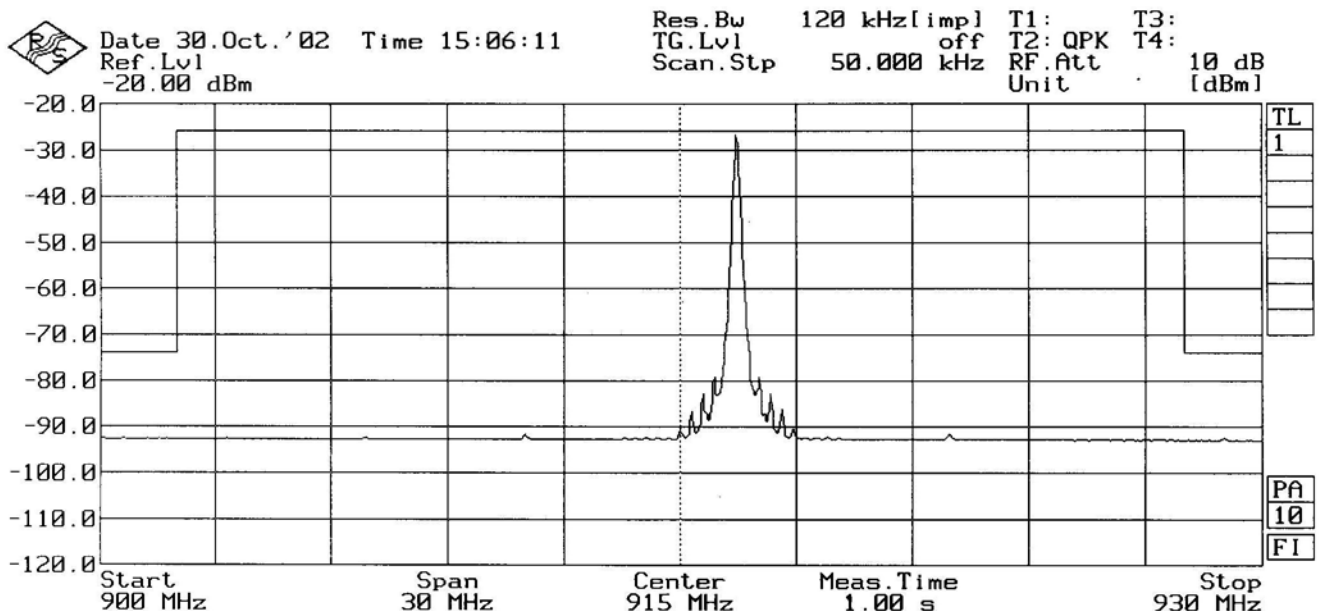
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2 SPURIOUS EMISSIONS; BANDEDGES

Remark: Measurement performed as relative measurement (fundamental level equals max. measured radiated level of 92.9 dB μ V/m, i.e. 44.2 mV/m).



Plot 2.1: EUT: i-Card3 connected via RS232 port to laptop PC;
 Emissions (normal operating mode: continuous tag reading process, 0.1 s delay)



Plot 2.2: EUT: i-Card3 installed inside of a Compaq iPAQ Expansion Pack;
 Emissions (normal operating mode: continuous tag reading process, 0.1 s delay)