

FCC ID: ESD-SA824894NE

Exhibit 2

Engineering Report

c)Bandwidth (2.1049) Bandwidth Limitations (2.1047)

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
SPECIFICATION: 47 CFR 2.1049(c) (1)
GUIDE: EIA/IS-19-B-1988
TIA/EIA/IS-137-A-1996
TEST EQUIPMENT: As per previous page

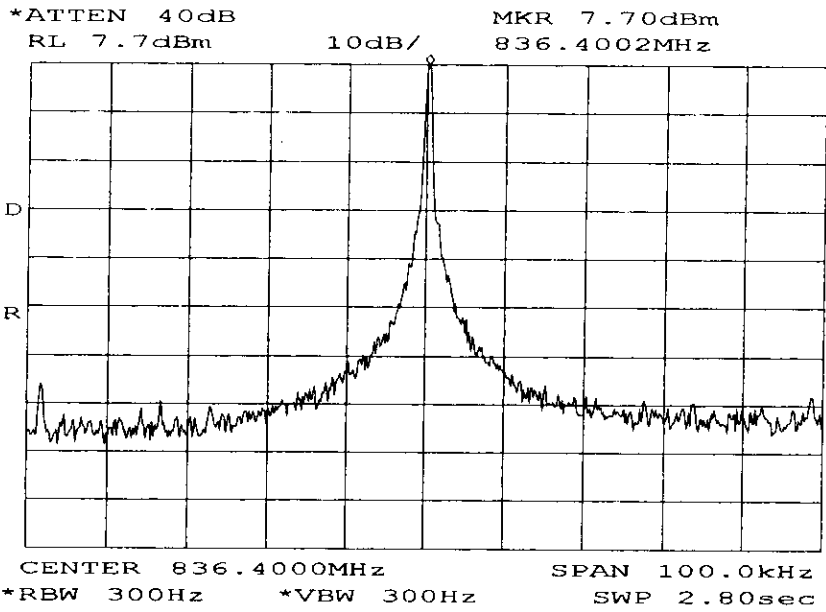
MEASUREMENT PROCEDURE

1. The EUT and test equipment were set up as shown on the following page, with the Spectrum Analyzer connected.
2. For EUTs supporting audio modulation, the audio signal generator was adjusted to the frequency of maximum response and with output level set for ± 2.5 kHz deviation (or 50% modulation). With level constant, the signal level was increased 16 dB.
3. For EUTs supporting digital modulation, the digital modulation mode was operated to its maximum extent.
4. The Occupied Bandwidth was measured with the Spectrum Analyzer controls set as shown on the test results.
5. MEASUREMENT RESULTS: ATTACHED

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0363: 1998-Nov-23 Mon 12:35:00
STATE: 1:Low Power



POWER: LOW
MODULATION: NONE

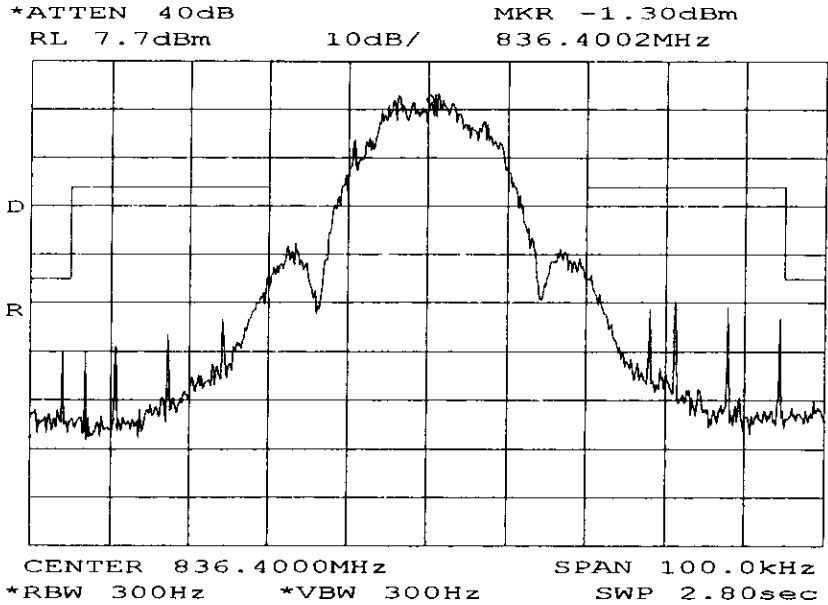
SUPERVISED BY:

Morton Flom P. Eng.
Morton Flom, P. Eng.

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0368: 1998-Nov-23 Mon 12:41:00
STATE: 1:Low Power

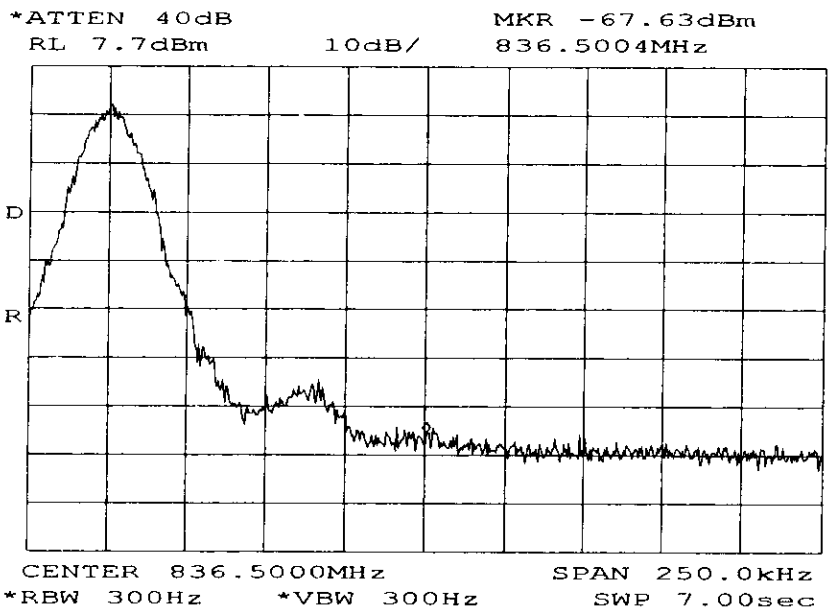


POWER: LOW
MODULATION: DATA GMSK
 MASK: AMPS CELLULAR, F1D,
 DATA

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0371: 1998-Nov-23 Mon 12:49:00
STATE: 1:Low Power



POWER: LOW
MODULATION: DATA GMSK
OFFSET OCCUPIED BANDWIDH

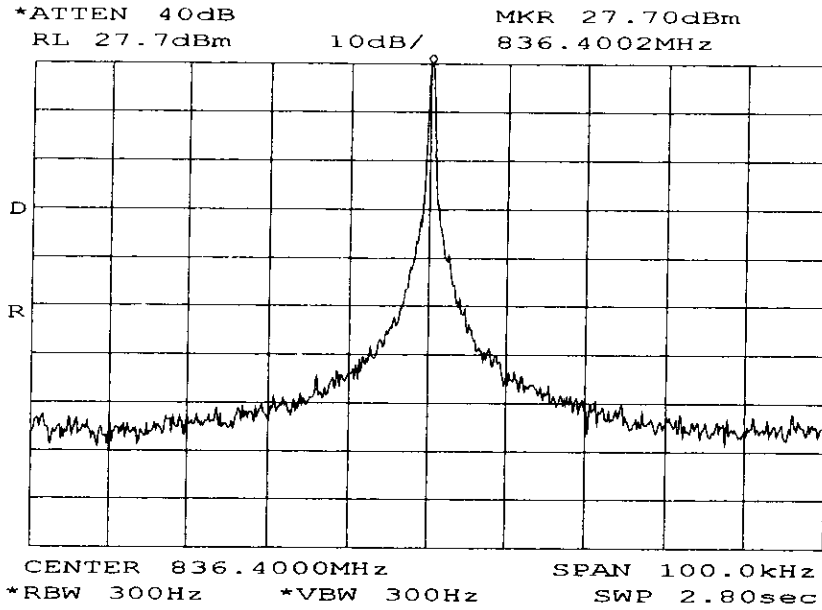
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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0362: 1998-Nov-23 Mon 12:31:00
STATE: 2:High Power



POWER: HIGH
MODULATION: NONE

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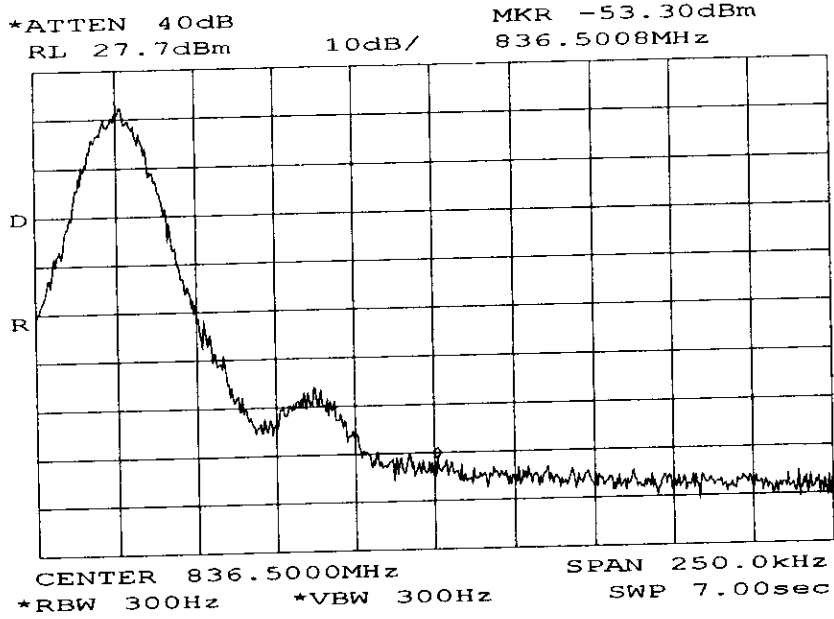
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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0370: 1998-Nov-23 Mon 12:48:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
DATA GMSK
OFFSET OCCUPIED BANDWIDTH

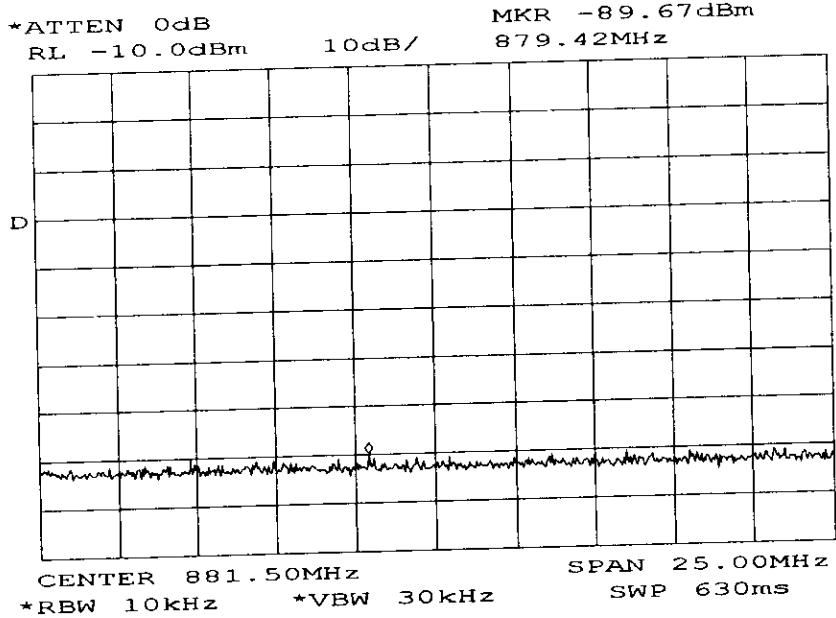
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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0372: 1998-Nov-23 Mon 13:22:00
STATE: 1:Low Power



POWER:
MODULATION:

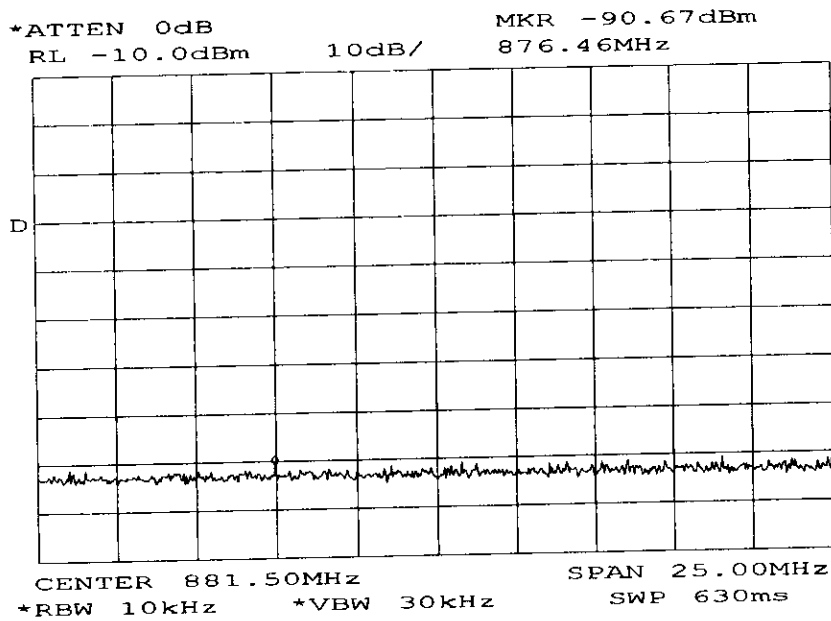
LOW
DATA GMSK
TX SPURS IN RX CRITICAL
BAND

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NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0373: 1998-Nov-23 Mon 13:30:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
DATA GMSK
TX SPURS IN RX CRITICAL
BAND

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