

FCC ID: ESD-SA824894NE

Exhibit 2

Engineering Report

c)Bandwidth (2.1049) Bandwidth Limitations (2.1047)

PAGE NO. 9 of 30.

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

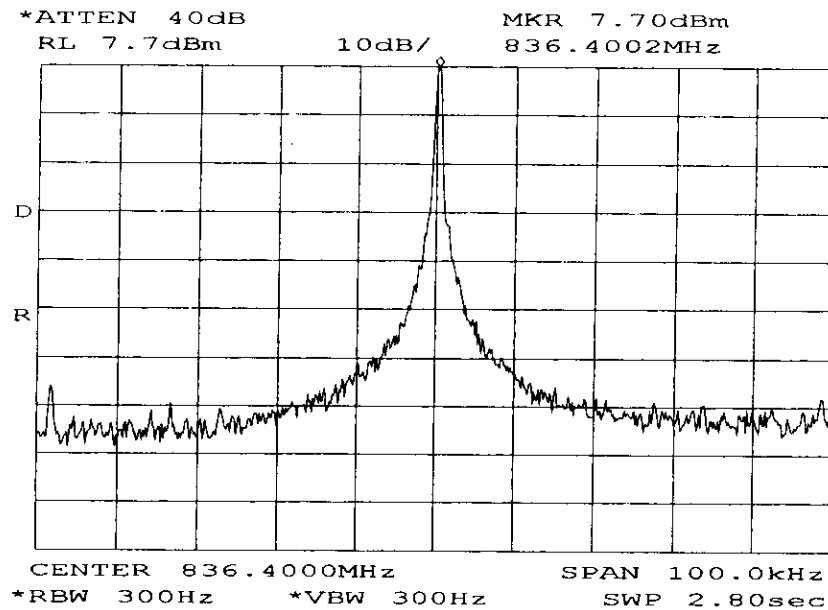
MEASUREMENT PROCEDURE

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

PAGE NO.

10 of 30.

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



POWER:
MODULATION:

LOW
NONE

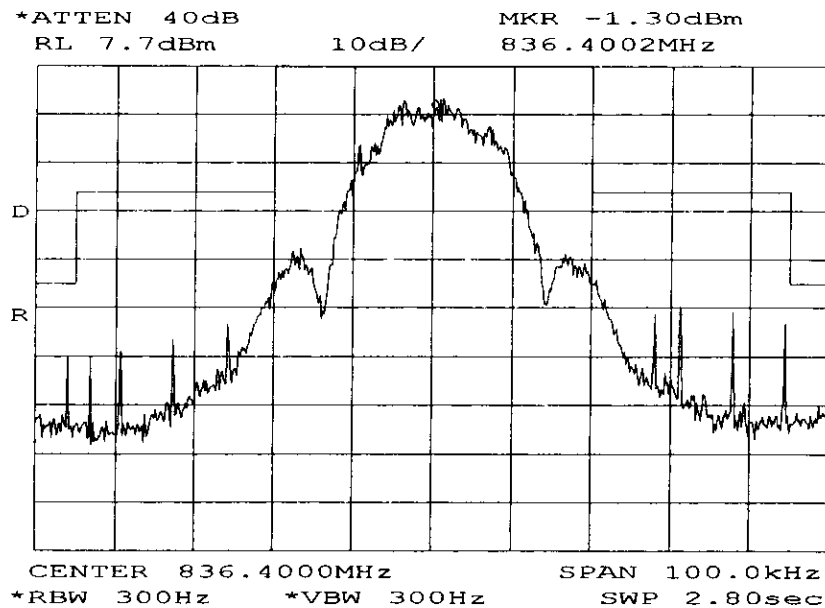
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PAGE NO.

11 of 30.

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



POWER:
MODULATION:

LOW
DATA GMSK
MASK: AMPS CELLULAR, F1D,
DATA

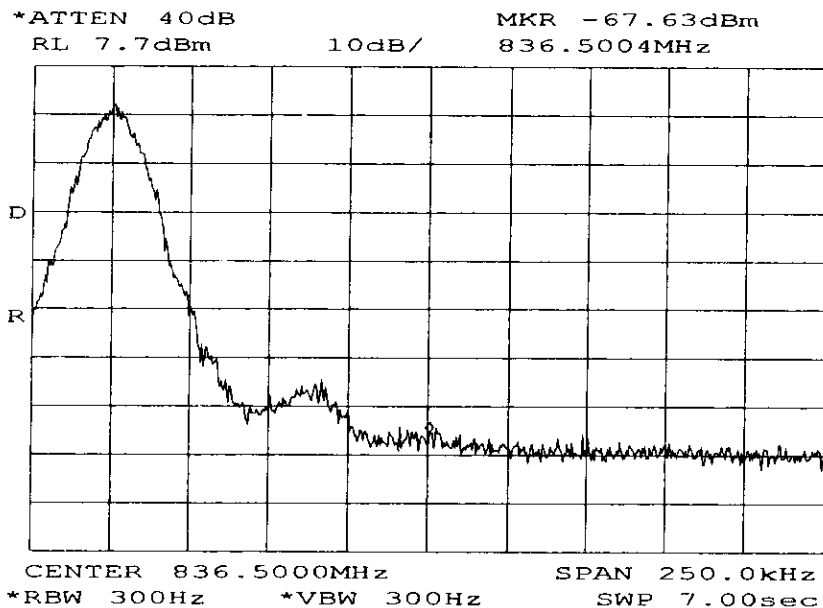
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PAGE NO.

12 of 30.

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



POWER:
MODULATION:

LOW
DATA GMSK
OFFSET OCCUPIED BANDWIDH

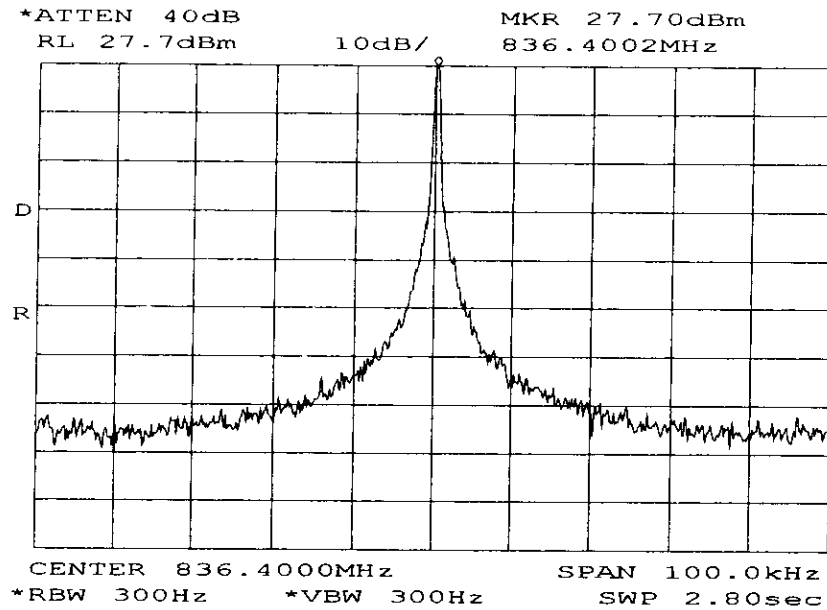
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PAGE NO.

13 of 30.

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



POWER:
MODULATION:

HIGH
NONE

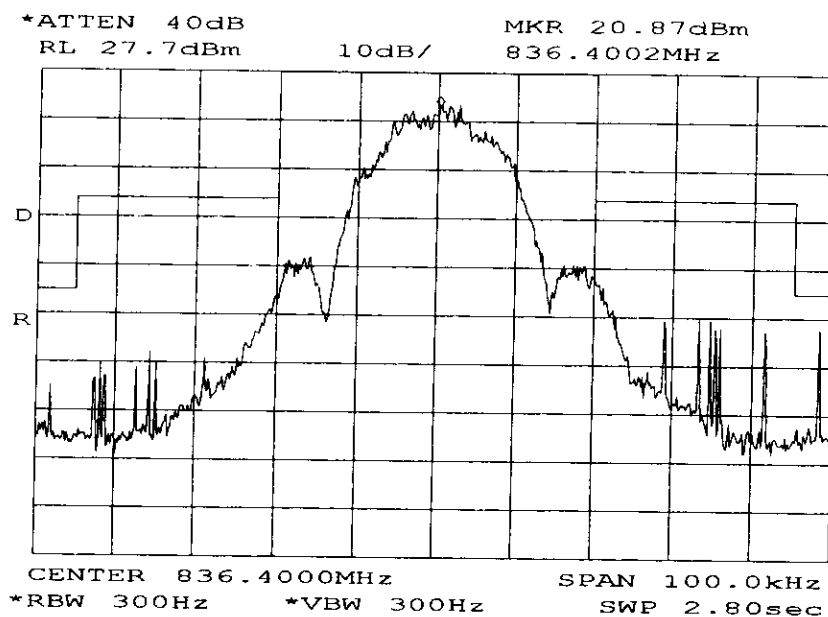
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PAGE NO.

14 of 30.

NAME OF TEST: Emission Masks (Occupied Bandwidth)
g98b0369: 1998-Nov-23 Mon 12:42:00
STATE: 2:High Power



POWER:
MODULATION:

HIGH
DATA GMSK
MASK: AMPS CELLULAR, F1D,
DATA

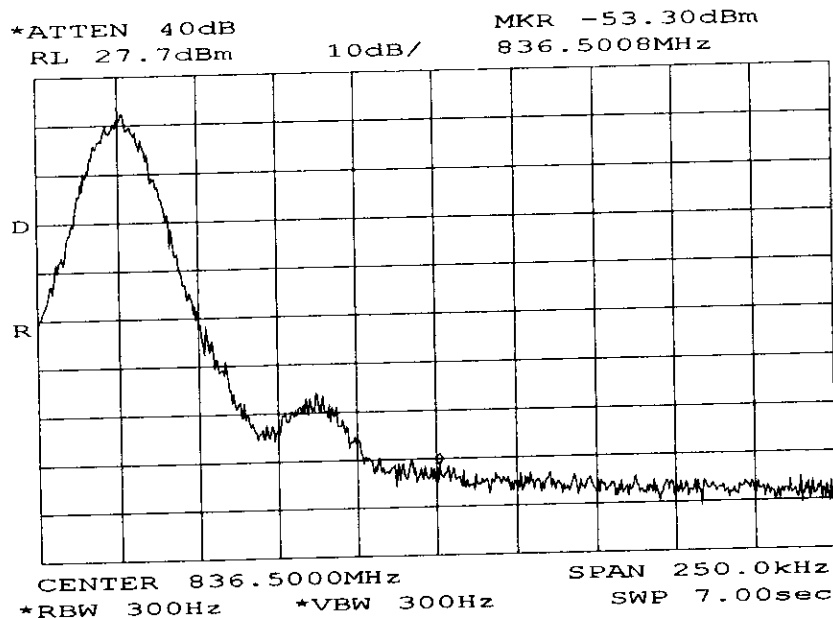
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PAGE NO.

15 of 30.

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

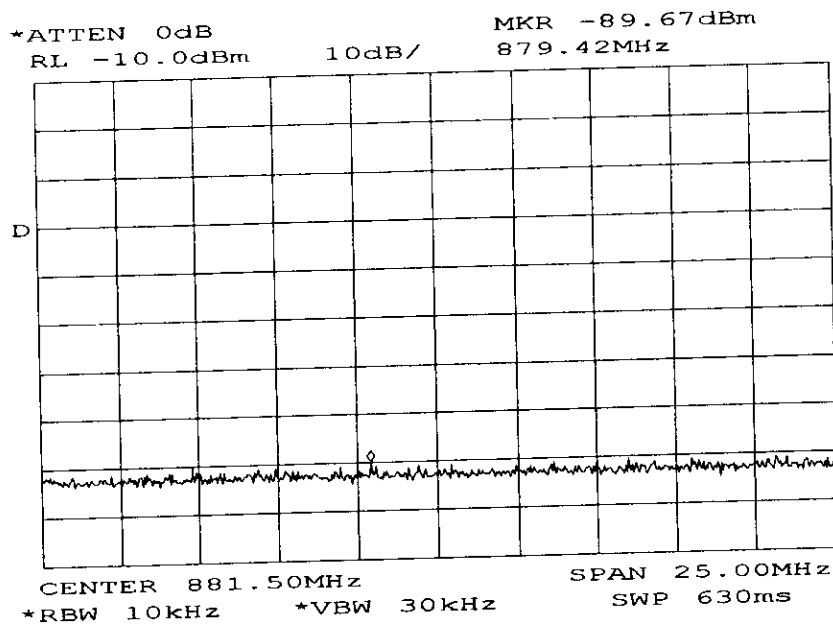
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PAGE NO.

16 of 30.

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

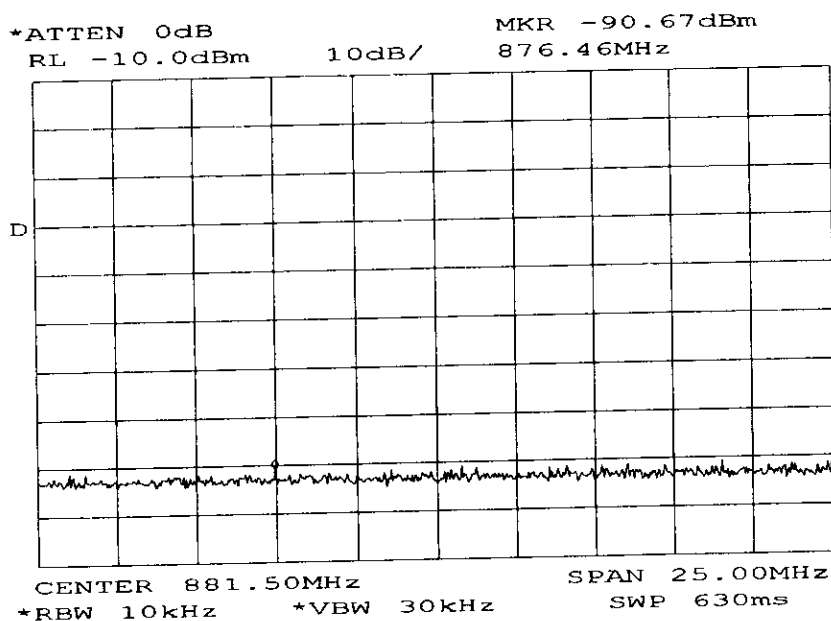
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PAGE NO.

17 of 30.

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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