

APPLICANT:

Ericsson Radio System AB

EXHIBIT 6  
Page 6.01

FCC ID NO.  
B5KKRC12110-31

EXHIBIT 6 - COVER SHEET

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RF POWER OUTPUT

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2.1046 (a) RF Power Output

The RF power output at the output terminal is plotted against supply voltage variation.

The measurement was made per TIA/IS-136/IS-138 using the following Equipment.

Radio frequency 50 ohm load attached to the output. The power was measured on a BONTOON RF Peak power meter/analyzer.

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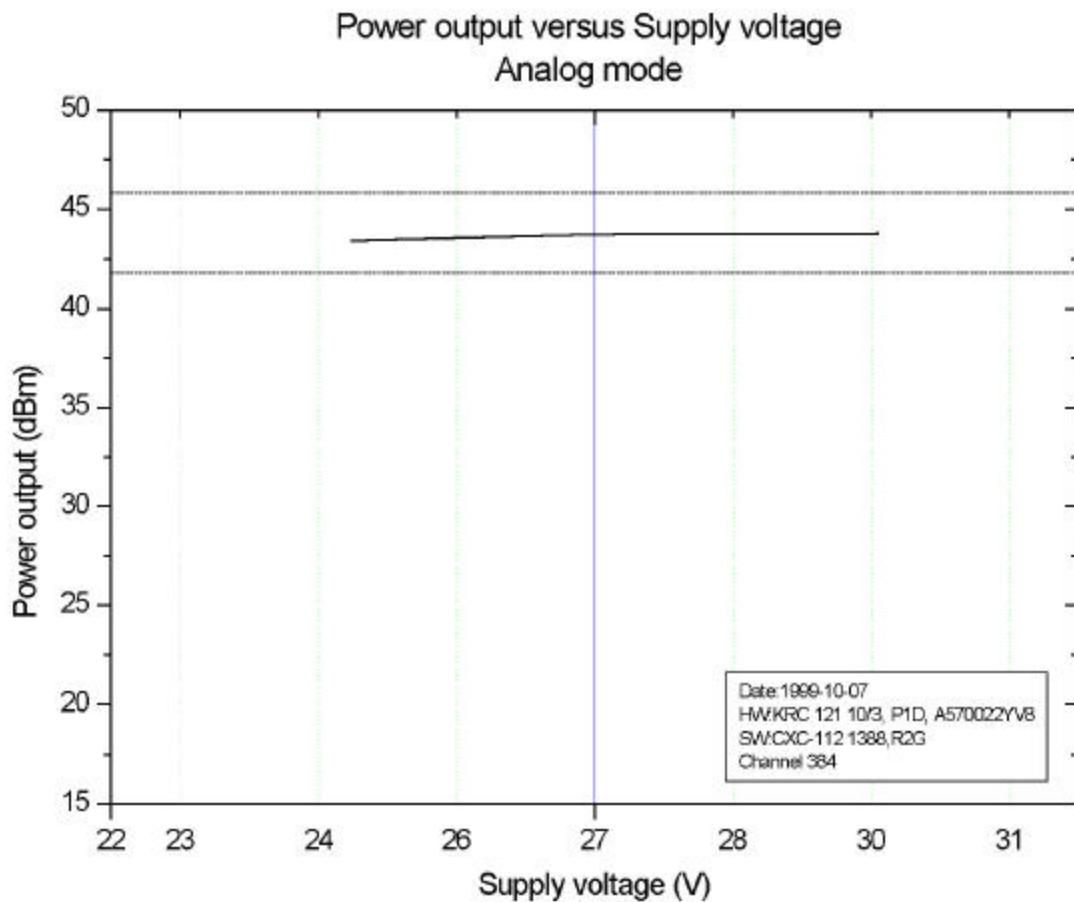
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RF POWER OUTPUT ANALOG MODE

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2.1046 (a) RF Power Output



Channel 384 Output Power 44.8 dBm

APPLICANT:  
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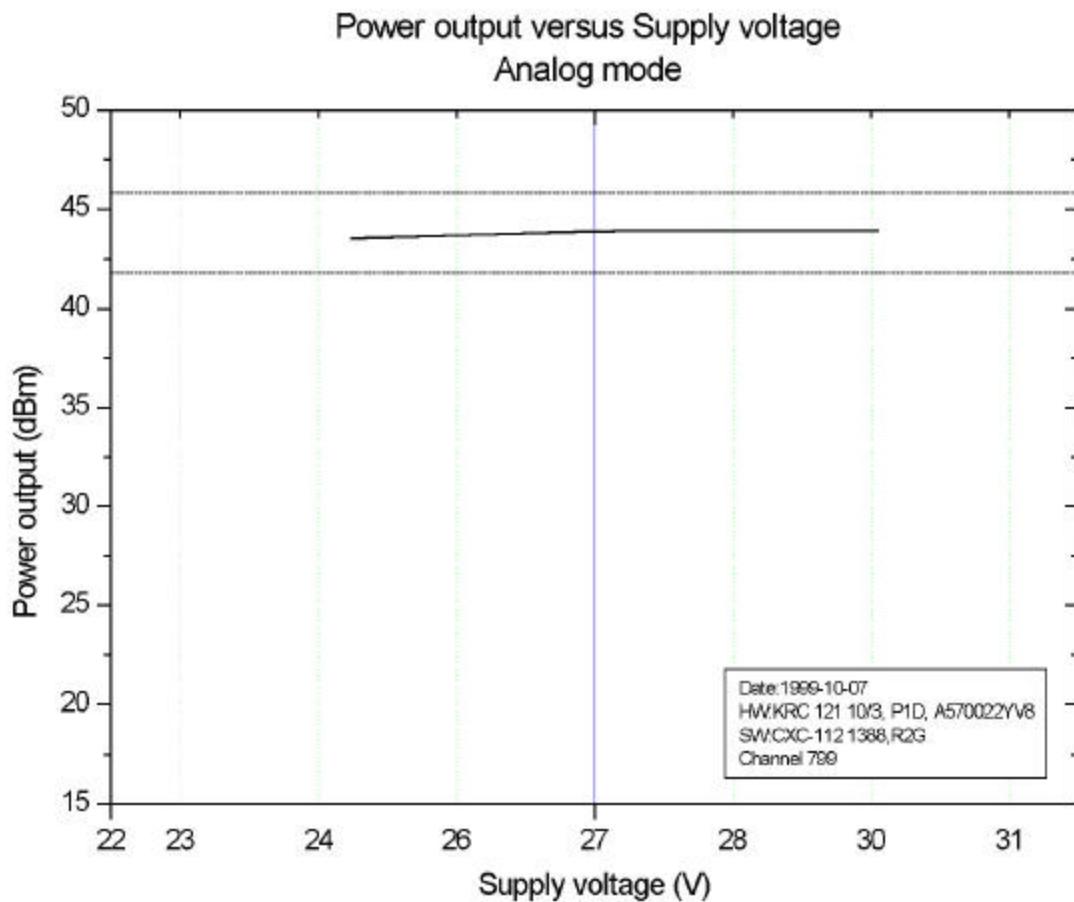
FCC ID NO.  
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RF POWER OUTPUT ANALOG MODE

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2.1046 (a) RF Power Output



Channel 799      Output Power 44.8 dBm

APPLICANT:  
Ericsson Radio System AB

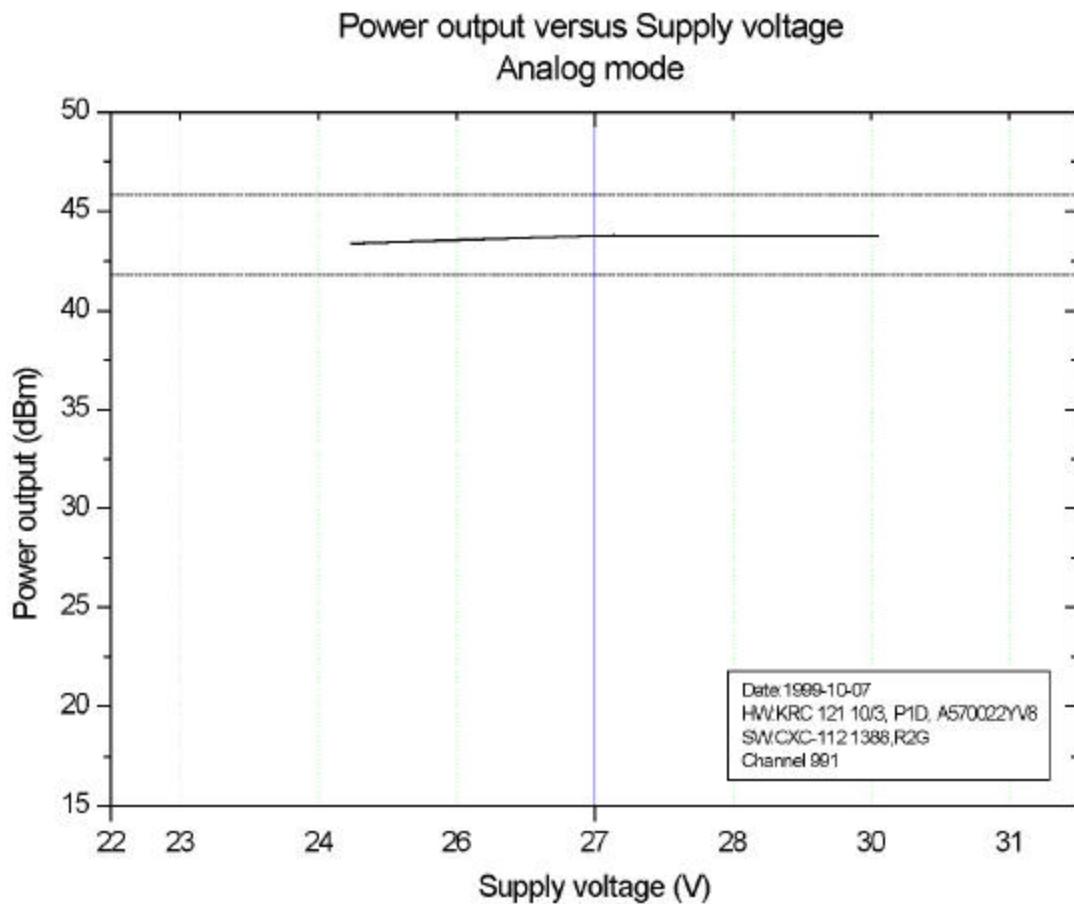
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RF POWER OUTPUT ANALOG MODE

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2.1046 (a) RF Power Output



Channel 991      Output Power 44.8 dBm

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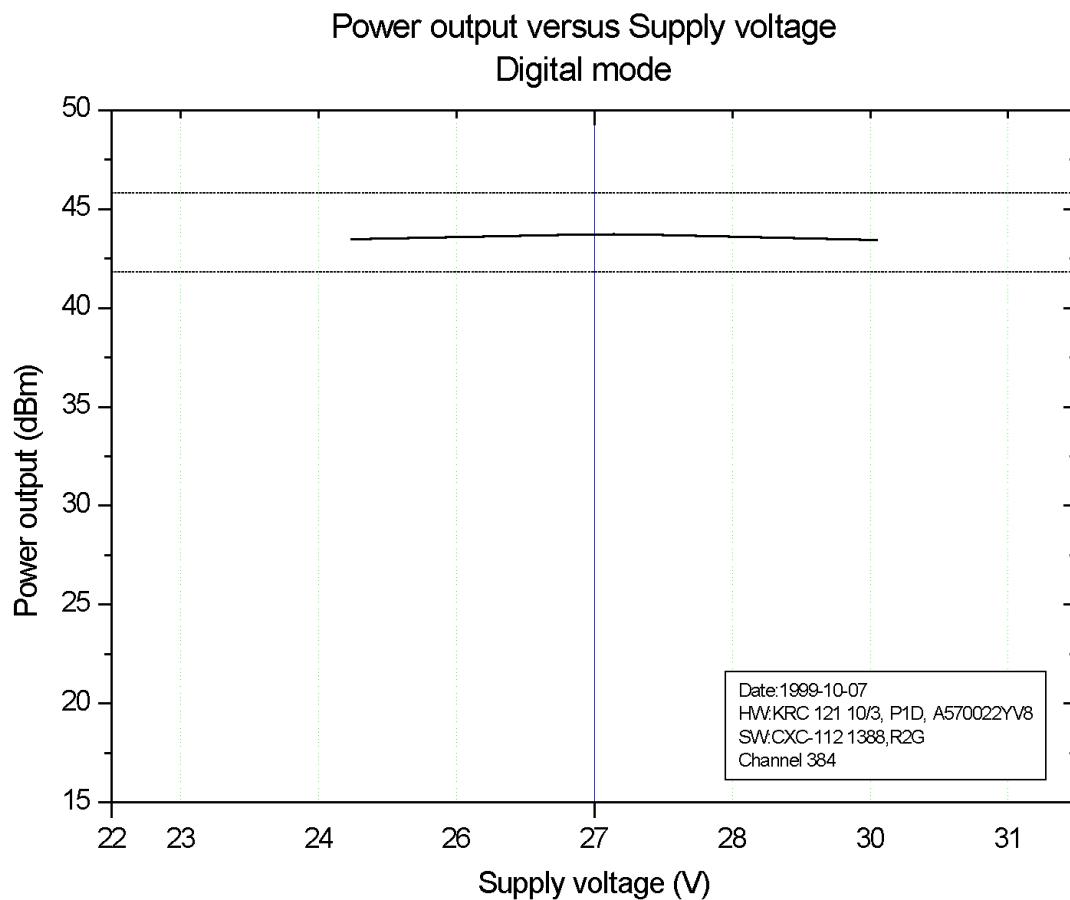
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RF POWER OUTPUT DIGITAL MODE

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2.1046 (a) RF Power Output



Channel 384 Output Power 44.8 dBm

APPLICANT:  
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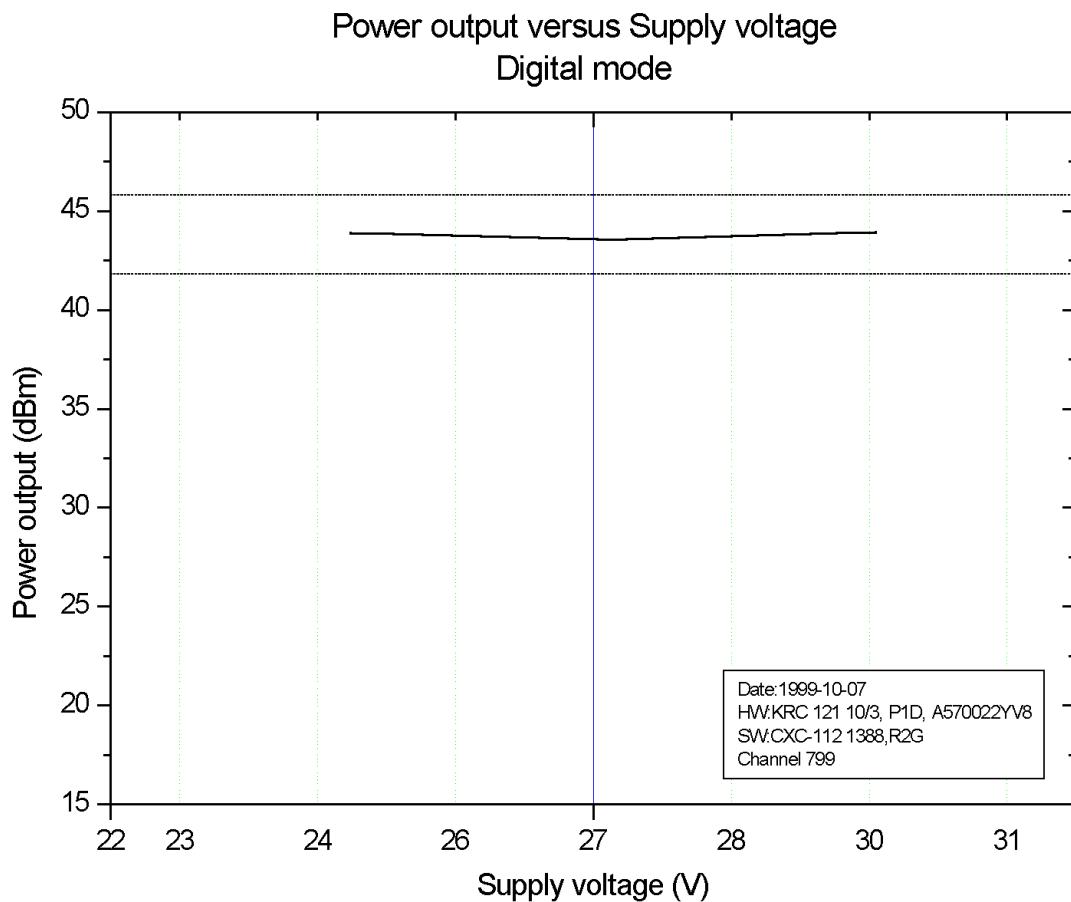
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RF POWER OUTPUT DIGITAL MODE

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2.1046 (a) RF Power Output



Channel 799 Output Power 44.8 dBm

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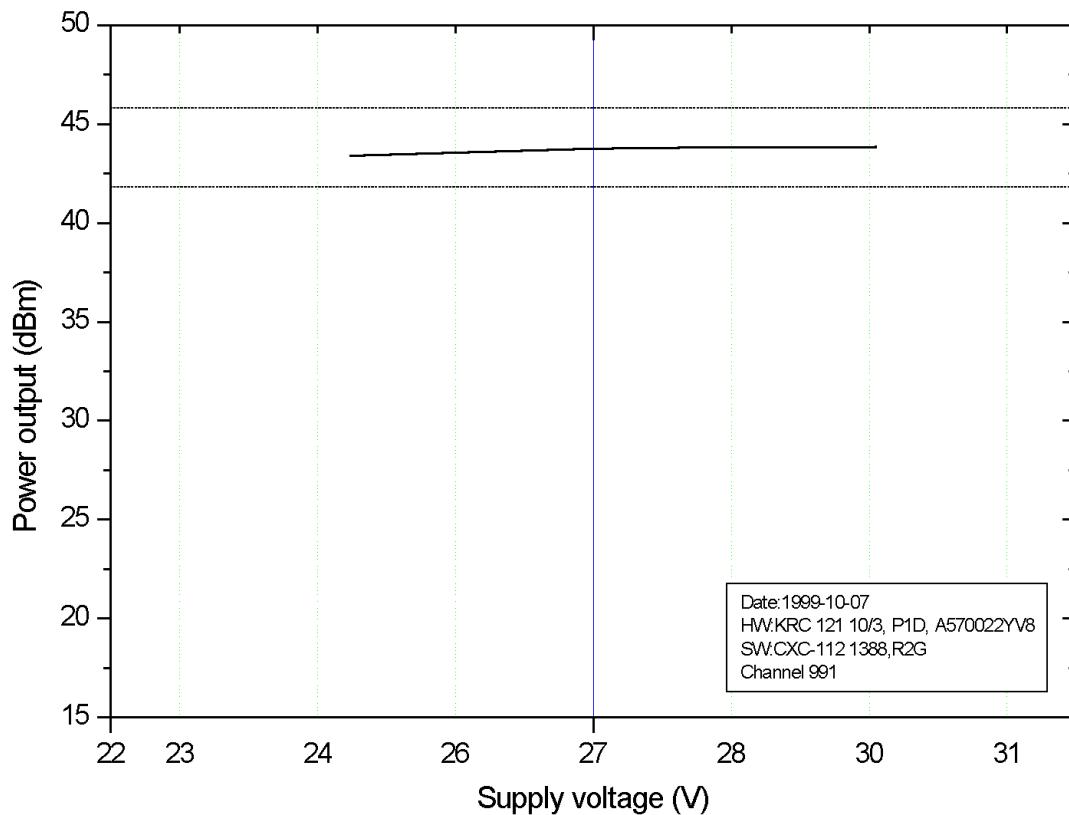
RF POWER OUTPUT DIGITAL MODE

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2.1046 (a) RF Power Output

Power output versus Supply voltage  
Digital mode



Channel 991 Output Power 44.8 dBm

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MODULATION CHARACTERISTICS ANALOG MODE

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2.1047 (b) Modulation Characteristics SAT

Chan.	Freq. (MHz)	Output Power (Watts)	Peak Deviation (+/- kHz)
384	881.52	30.0	2.14/2.13
799	893.97	30.0	2.17/2.14
991	869.04	30.0	2.14/2.14

The measurement was made per TIA/IS-136/  
IS-138 using the following Equipment.

The input signal source was R&S CMTA 54  
Radiocommunication analyzer.

The input signal was fed through a custom  
made audio-PCM-converter named Claudio.

Radio frequency load 50 ohm attached to the  
output.

The peak deviation was measured on a Rohde &  
Schwarz CMTA 54, Radiocommunication analyzer.

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MODULATION CHARACTERISTICS ANALOG MODE

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2.1047 (b) Modulation Characteristics Wideband Data

Chan.	Freq. (MHz)	Output Power (Watts)	Peak Deviation (+/- kHz)
384	881.52	30.0	8.17/8.21
799	893.97	30.0	8.16/8.24
991	869.04	30.0	8.13/8.19

The measurement was made per TIA/IS-136/  
IS-138 using the following Equipment.

The input signal source was R&S CMTA 54  
Radiocommunication analyzer.

The input signal was fed through a custom  
made audio-PCM-converter named Claudio.

Radio frequency load 50 ohm attached to the  
output.

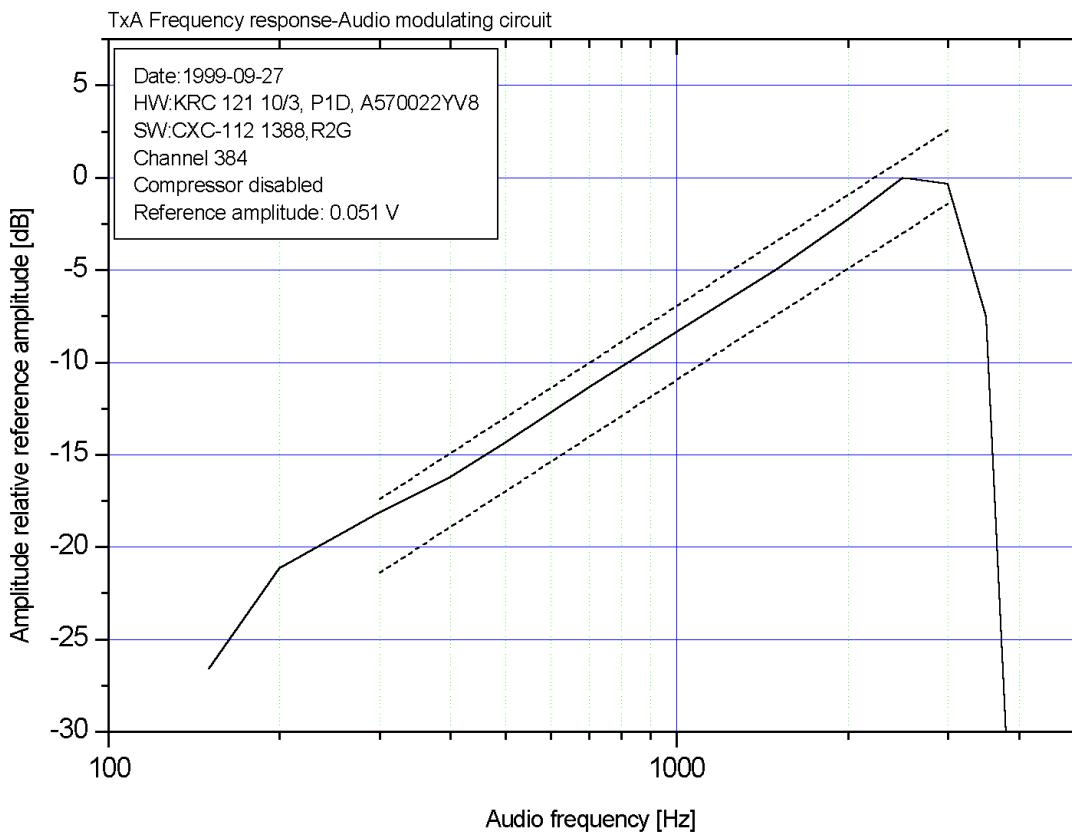
The peak deviation was measured on a Rohde &  
Schwarz CMTA 54, Radiocommunication analyzer.

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## MODULATION CHARACTERISTICS ANALOG MODE

## 2.1047 (a,b) Modulation Characteristics Audio Modulating Circuit



The measurement was made per TIA/IS-136/IS-138 using the following Equipment. The input signal source was R&S CMTA 54 Radiocommunication analyzer. The input signal was fed through a custom made audio-PCM-converter named Claudio. Radio frequency load 50 ohm attached to the output. The peak deviation was measured on a Rohde & Schwarz CMTA 54, Radiocommunication analyzer.

Note: In the RBS884 and RBS882 systems it is not possible for the TRX to operate without the compressor enabled.

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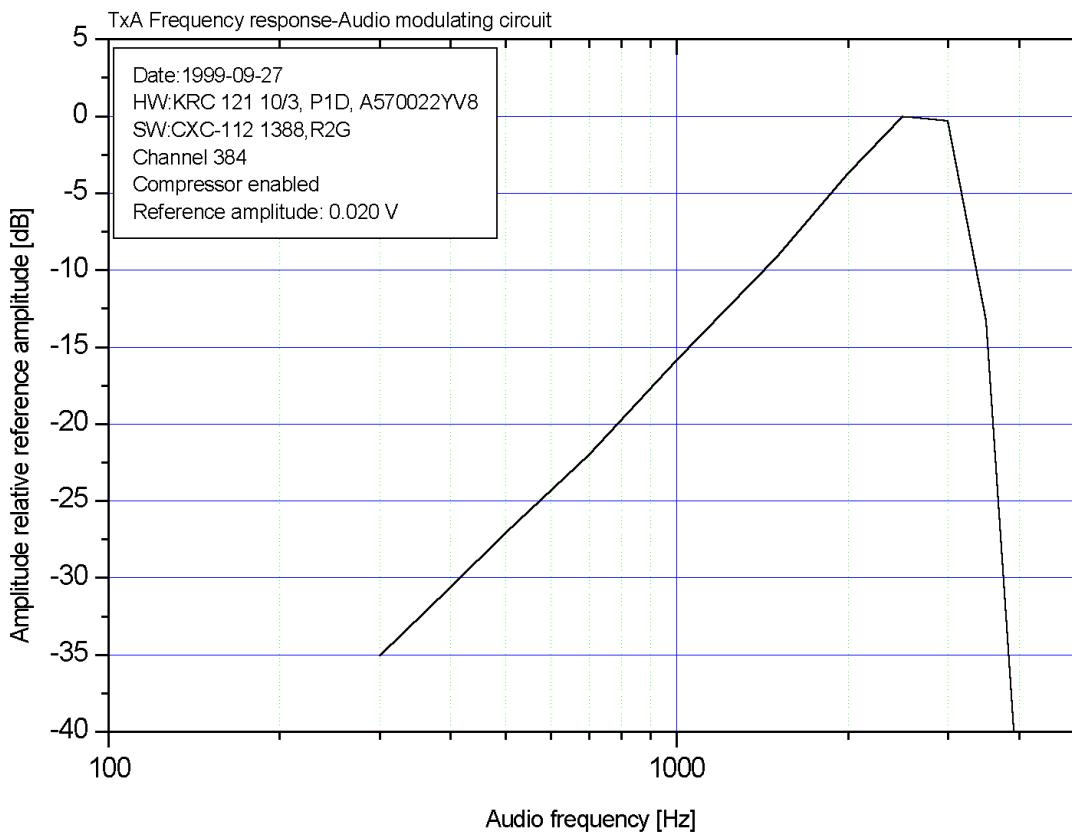
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MODULATION CHARACTERISTICS ANALOG MODE

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2.1047 (a,b) Modulation Characteristics Audio Modulating Circuit



The measurement was made per TIA/IS-136/IS-138 using the following Equipment.  
The input signal source was R&S CMTA 54 Radiocommunication analyzer.  
The input signal was fed through a custom made audio-PCM-converter named Claudio.  
Radio frequency load 50 ohm attached to the output.  
The peak deviation was measured on a Rohde & Schwarz CMTA 54, Radiocommunication analyzer.

Note: In the RBS884 and RBS882 systems it is not possible for the TRX to operate without the compressor enabled.

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MODULATION CHARACTERISTICS ANALOG MODE

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2.1047 (b) Modulation Characteristics Modulation Limiting

The measurement methods per TIA/IS-136/IS-138 were used to obtain the results in the following exhibit.

The measurement was made using the following equipment.

The input signal source was R&S CMTA 54 Radiocommunication analyzer.

The input signal was fed through a custom made audio-PCM-converter named Claudio.

Radio frequency load 50 ohm attached to the output.

The peak deviation was measured on a Rohde & Schwarz CMTA 54, Radiocommunication analyzer.

Note: The Modulation limiting is only measured with the compressor enabled.  
In the RBS884 and RBS882 systems it is not possible for the TRX to operate without the compressor enabled.

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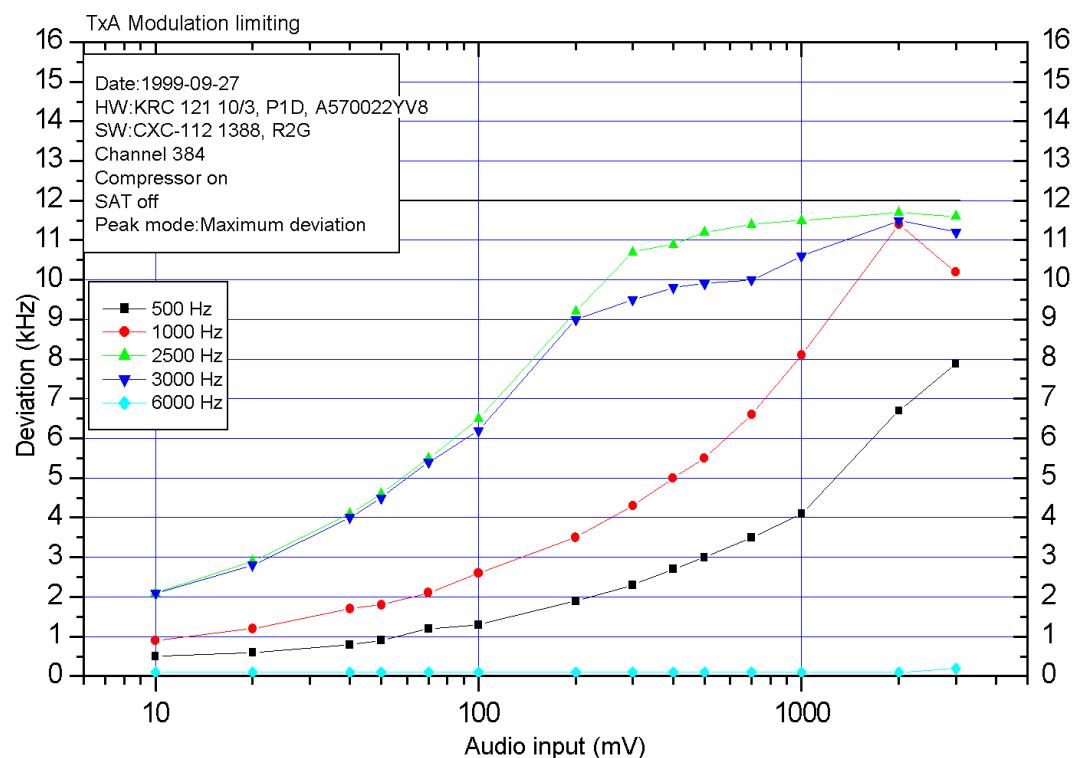
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MODULATION CHARACTERISTICS ANALOG MODE

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Modulation Limiting  
Measured Per TIA/IS-136/IS-138



APPLICANT:  
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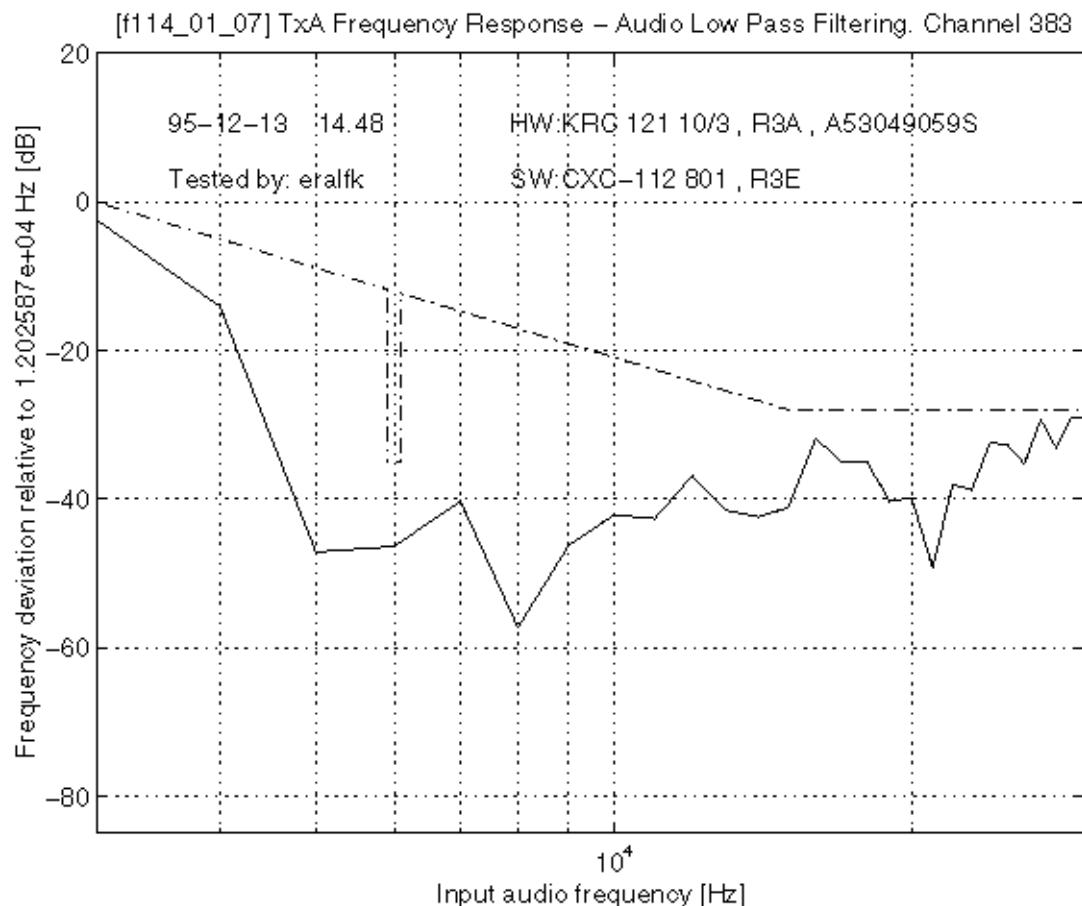
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MODULATION CHARACTERISTICS ANALOG MODE

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2.1047 (a) Modulation Characteristics Frequency Response  
Audio Low Pass Filtering



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MODULATION CHARACTERISTICS DIGITAL MODE

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2.1047 (d) The modulation characteristics for the unit is measured with pseudorandom data modulation of the unit and the result is shown as the Error Vector Magnitude which is limited to 12.5 percent according to TIA/IS-136/IS-138

Chan.	Freq. (MHz)	Output Power (Watts)	Error Vector Magnitude (%)
384	881.52	30.0	1.89
799	893.97	30.0	2.01
991	869.04	30.0	1.89

Equipment used:

Rohde & Schwarz ESI 40, EMI Test Receiver  
Including:  
Spectrum Analyzer, 20 Hz-40 GHz  
EMI Receiver, 20 Hz-40 GHz  
Option FSE-B7 Signal Vector Analysis

The R&S ESI 40 was hooked up to a external 10 MHz reference standard during the measurements.

The sync generator was hooked up to a 10 MHz reference standard from a HP89441 Vector Signal Analyzer during the measurements.

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MODULATION CHARACTERISTICS DATA PACKET MODE

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2.1047 (d) The modulation characteristics for the unit is measured with pseudorandom data modulation of the unit and the result is shown as the Error Vector Magnitude according to TIA/EIA-553.

Chan.	Freq. (MHz)	Output Power (Watts)	Error Vector Magnitude (%)
384	881.52	30.0	2.37
799	893.97	30.0	2.54
991	869.04	30.0	2.55

Equipment used:

Rohde & Schwarz ESI 40, EMI Test Receiver  
Including:  
Spectrum Analyzer, 20 Hz-40 GHz  
EMI Receiver, 20 Hz-40 GHz  
Option FSE-B7 Signal Vector Analysis

The R&S ESI 40 was hooked up to a external  
10 MHz reference standard during the  
measurements.

The sync generator was hooked up to a 10 MHz  
reference standard from a HP89441 Vector  
Signal Analyzer during the measurements.

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OCCUPIED BANDWIDTH ANALOG MODE

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2.1049 (c,1)(g) Occupied Bandwidth

The measurement methods per TIA/IS-136/IS-138 were used to obtain the results in the following 9 pages.

Equipment used:

Rohde & Schwarz ESI 40, EMI Test Receiver  
Including:

Spectrum Analyzer, 20 Hz-40 GHz  
EMI Receiver, 20 Hz-40 GHz

Option FSE-B7 Signal Vector Analysis

The input signal source was a R&S CMTA 54 Radiocommunication analyzer for analog mode. The input signal was fed through a audio-PCM-converter named Claudio.

Radio frequency 50 ohm load attached to the output.

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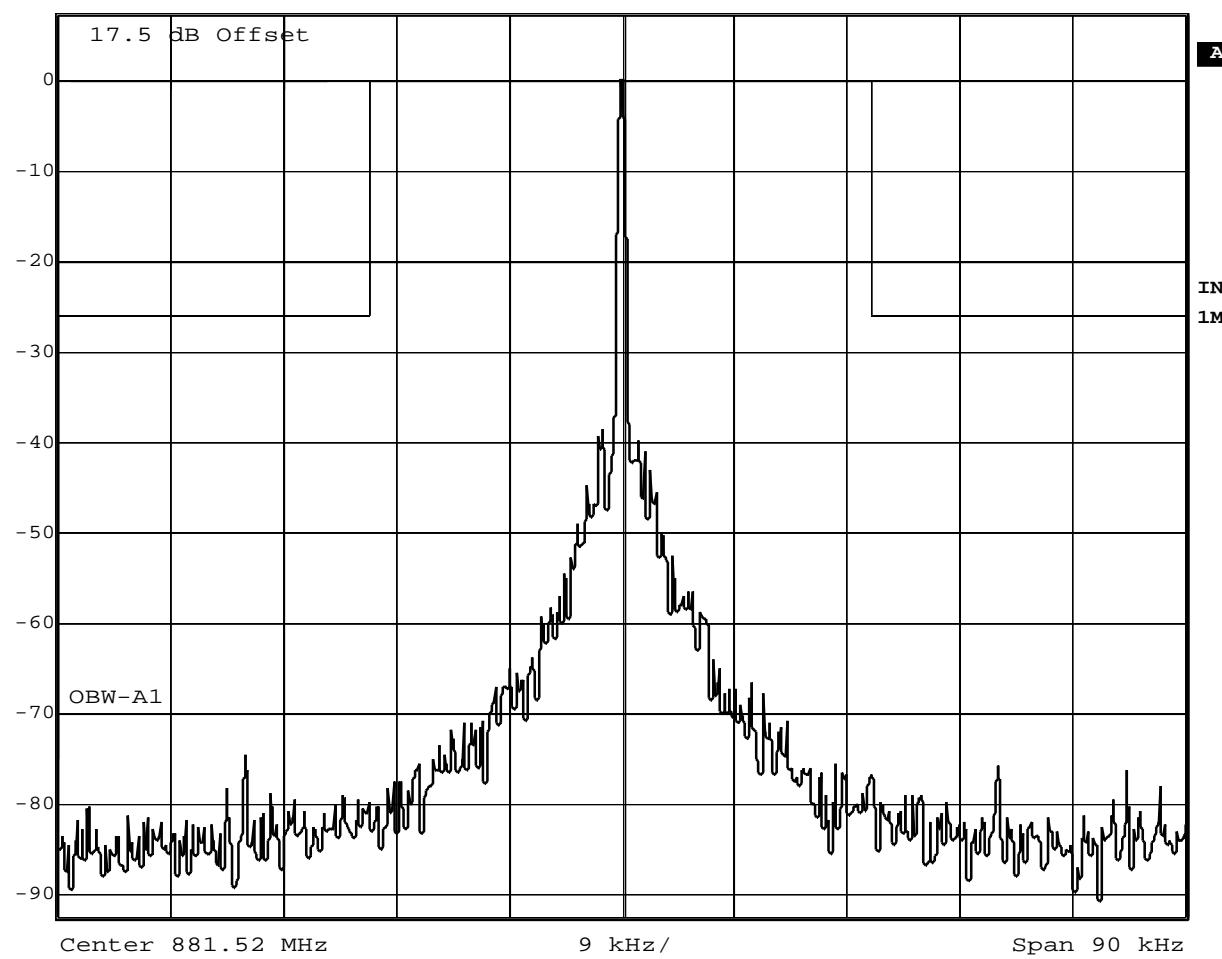
OCCUPIED BANDWIDTH ANALOG MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Ref Lvl  
7.5 dBm

RBW 300 Hz RF Att 0 dB  
VBW 300 Hz  
SWT 5 s Unit dBm



Date: 18.OCT.1999 12:36:09

Referenced to the Rated Power Output

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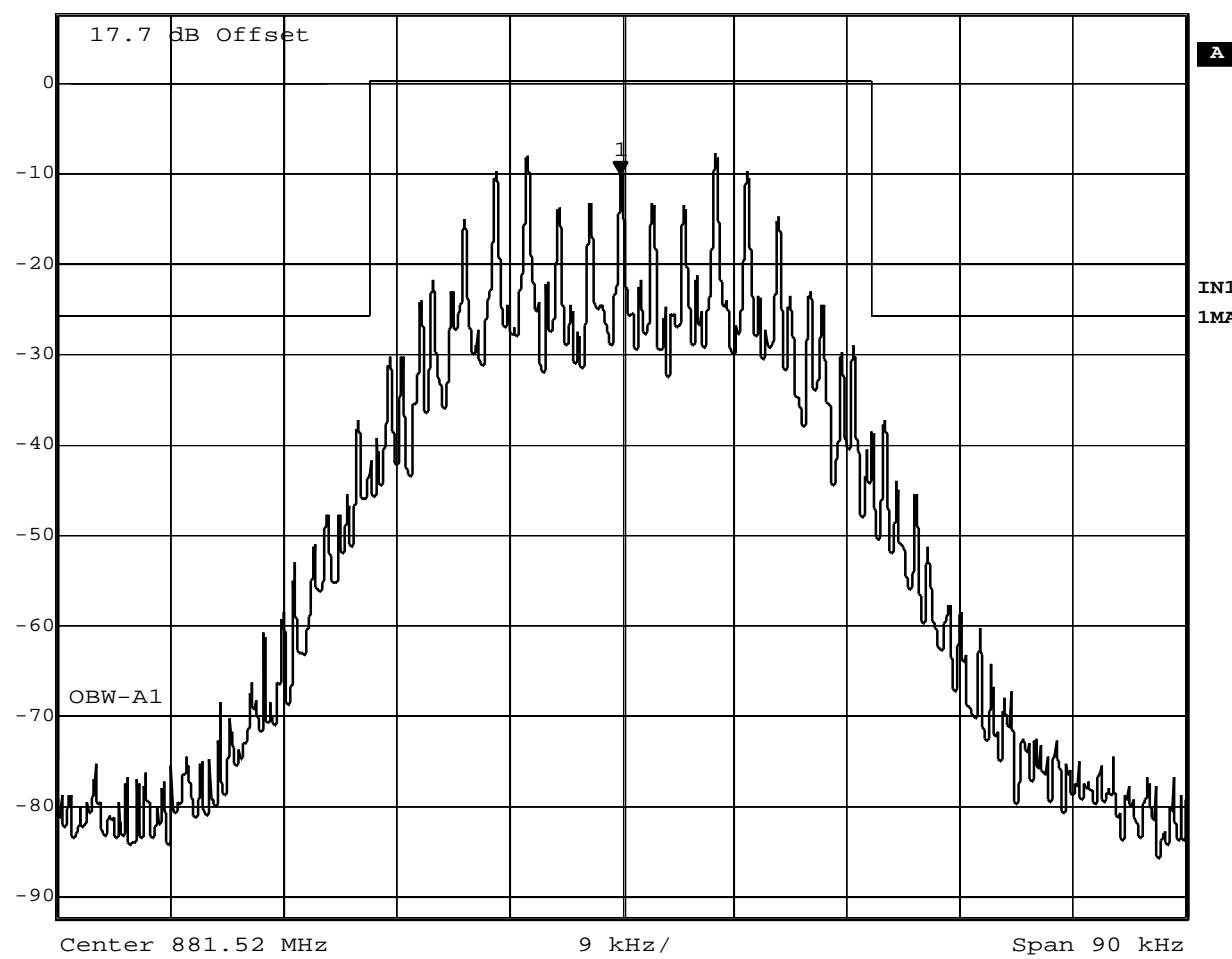
FCC ID NO.  
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OCCUPIED BANDWIDTH ANALOG MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Marker 1 [T1] RBW 300 Hz RF Att 0 dB  
Ref Lvl -10.13 dBm VBW 300 Hz  
7.7 dBm 881.51990982 MHz SWT 5 s Unit dBm



Date: 18.OCT.1999 14:00:21

Referenced to the Rated Power Output  
Modulated with 2.5 kHz to 50% +16 dB with SAT 6 kHz

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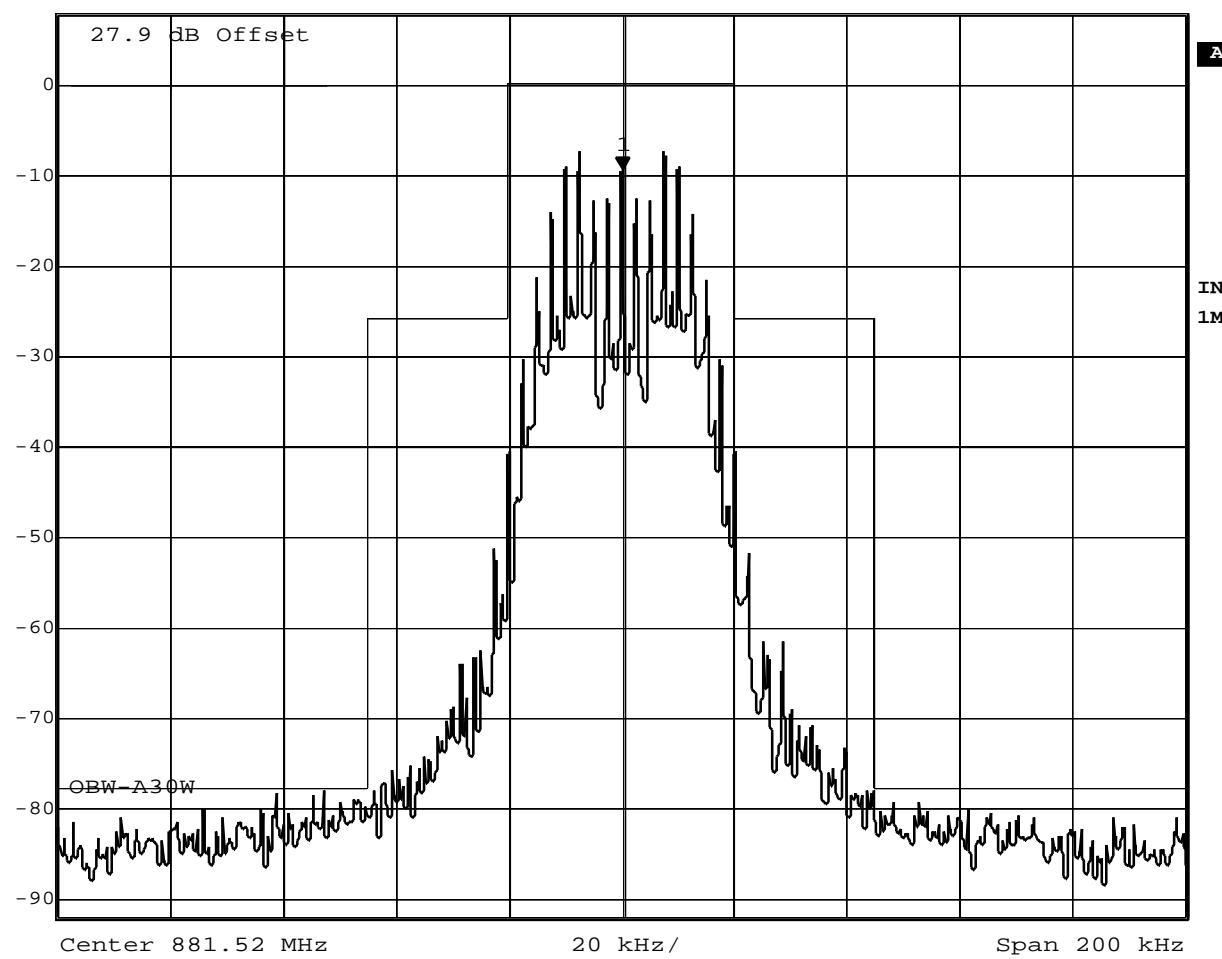
FCC ID NO.  
B5KKRC12110-31

OCCUPIED BANDWIDTH ANALOG MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Marker 1 [T1]  
Ref Lvl -9.50 dBm RBW 300 Hz RF Att 0 dB  
7.9 dBm 881.52020040 MHz VBW 300 Hz TG Lvl 0 dBm  
SWT 11.5 s Unit dBm



Date: 28.OCT.1999 15:28:11

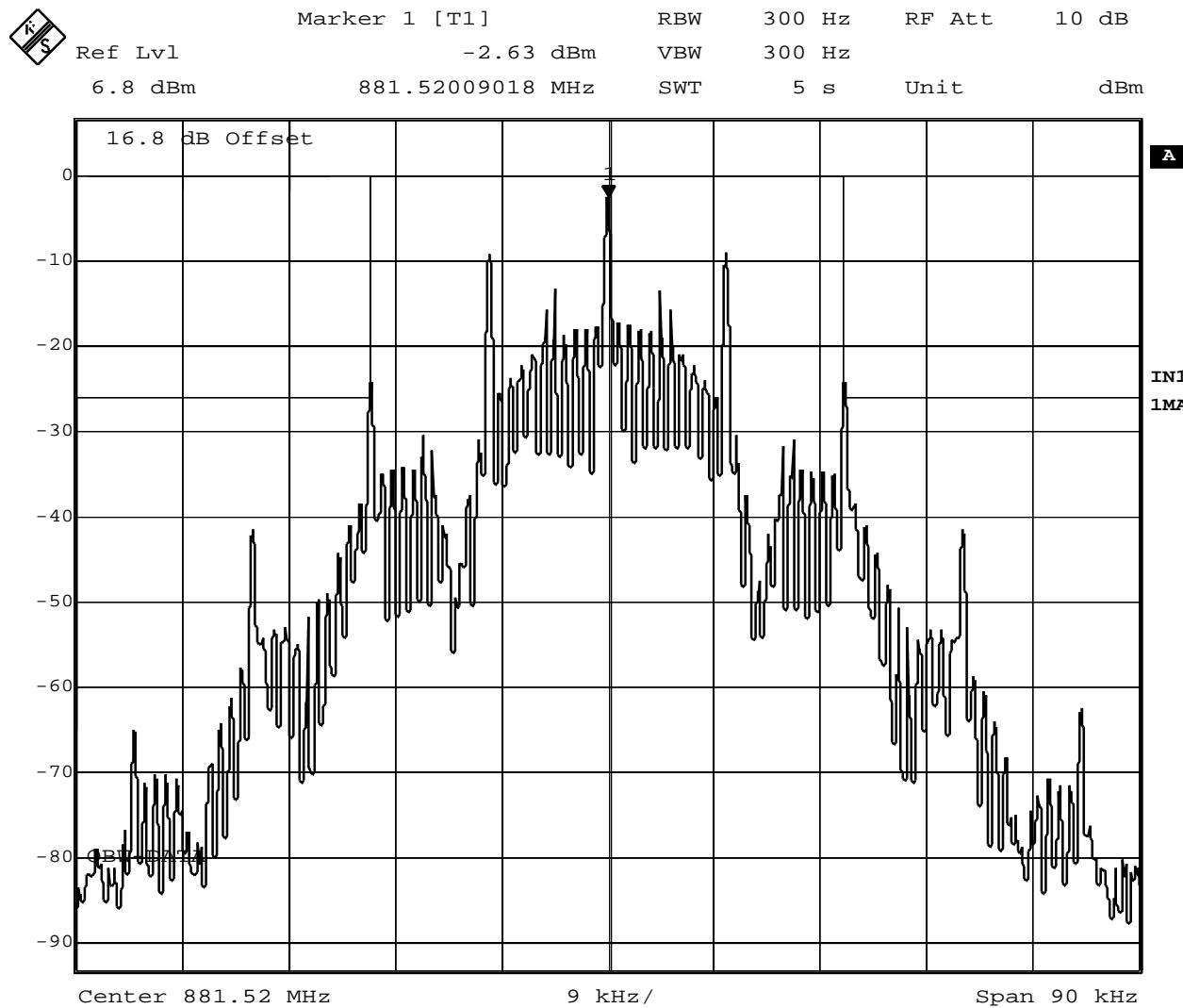
Referenced to the Rated Power Output  
Modulated with 2.5 kHz to 50% +16 dB with SAT 6 kHz

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OCCUPIED BANDWIDTH ANALOG MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Referenced to the Rated Power Output  
Modulated with Wideband Data 10 kHz

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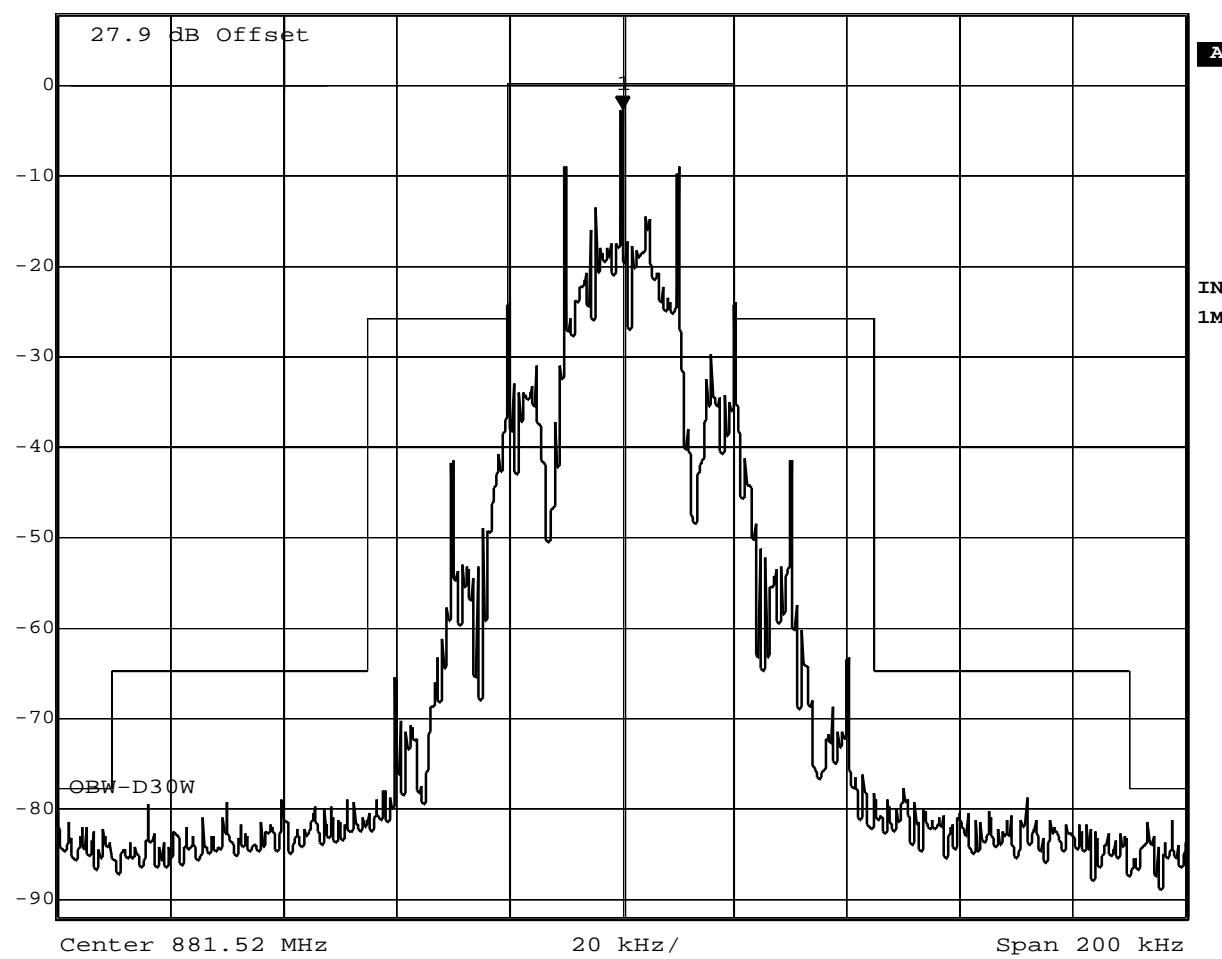
FCC ID NO.  
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OCCUPIED BANDWIDTH ANALOG MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Marker 1 [T1] RBW 300 Hz RF Att 0 dB  
Ref Lvl -2.70 dBm VBW 300 Hz TG Lvl 0 dBm  
7.9 dBm 881.52020040 MHz SWT 11.5 s Unit dBm



Date: 26.OCT.1999 19:04:43

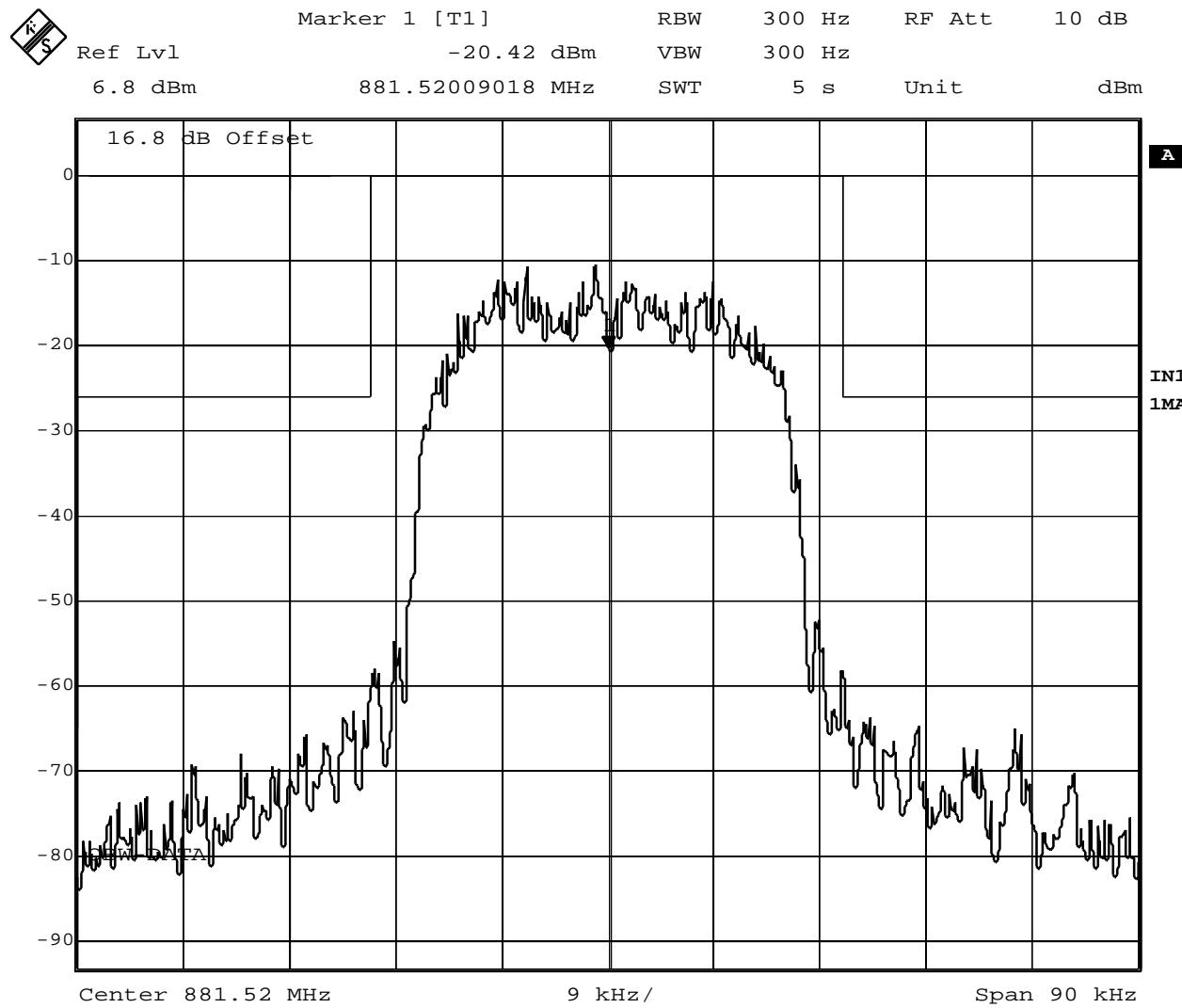
Referenced to the Rated Power Output  
Modulated with Wideband Data 10 kHz

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B5KKRC12110-31

OCCUPIED BANDWIDTH DIGITAL MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 10:47:43

Referenced to the Rated Power Output  
Modulated with 48.6 kbs PSEUDORANDOM DATA

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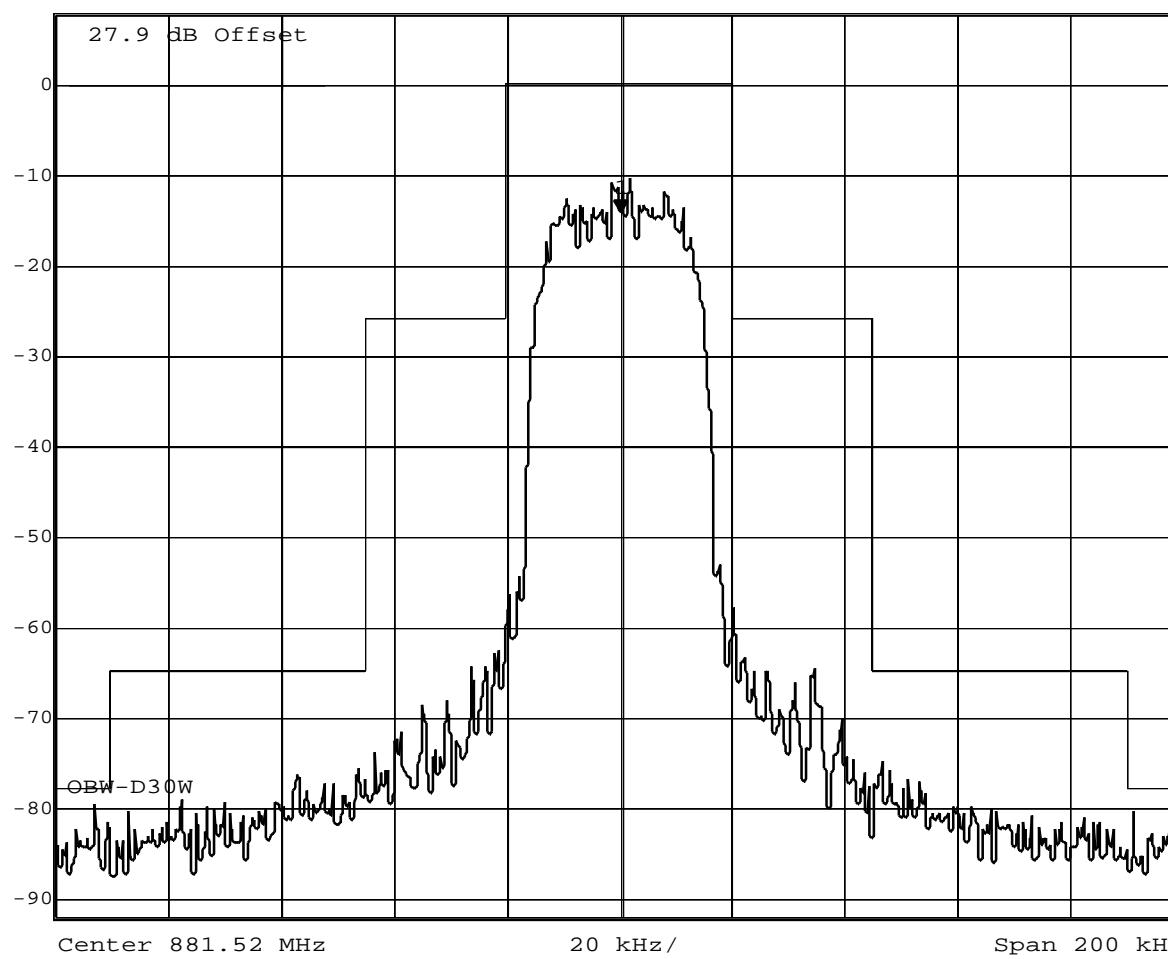
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OCCUPIED BANDWIDTH DIGITAL MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138



Marker 1 [T1] RBW 300 Hz RF Att 0 dB  
Ref Lvl -14.21 dBm VBW 300 Hz TG Lvl 0 dBm  
7.9 dBm 881.52020040 MHz SWT 11.5 s Unit dBm



Date: 26.OCT.1999 19:05:29

Referenced to the Rated Power Output  
Modulated with 48.6 kbs PSEUDORANDOM DATA

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FCC ID NO.  
B5KKRC12110-31

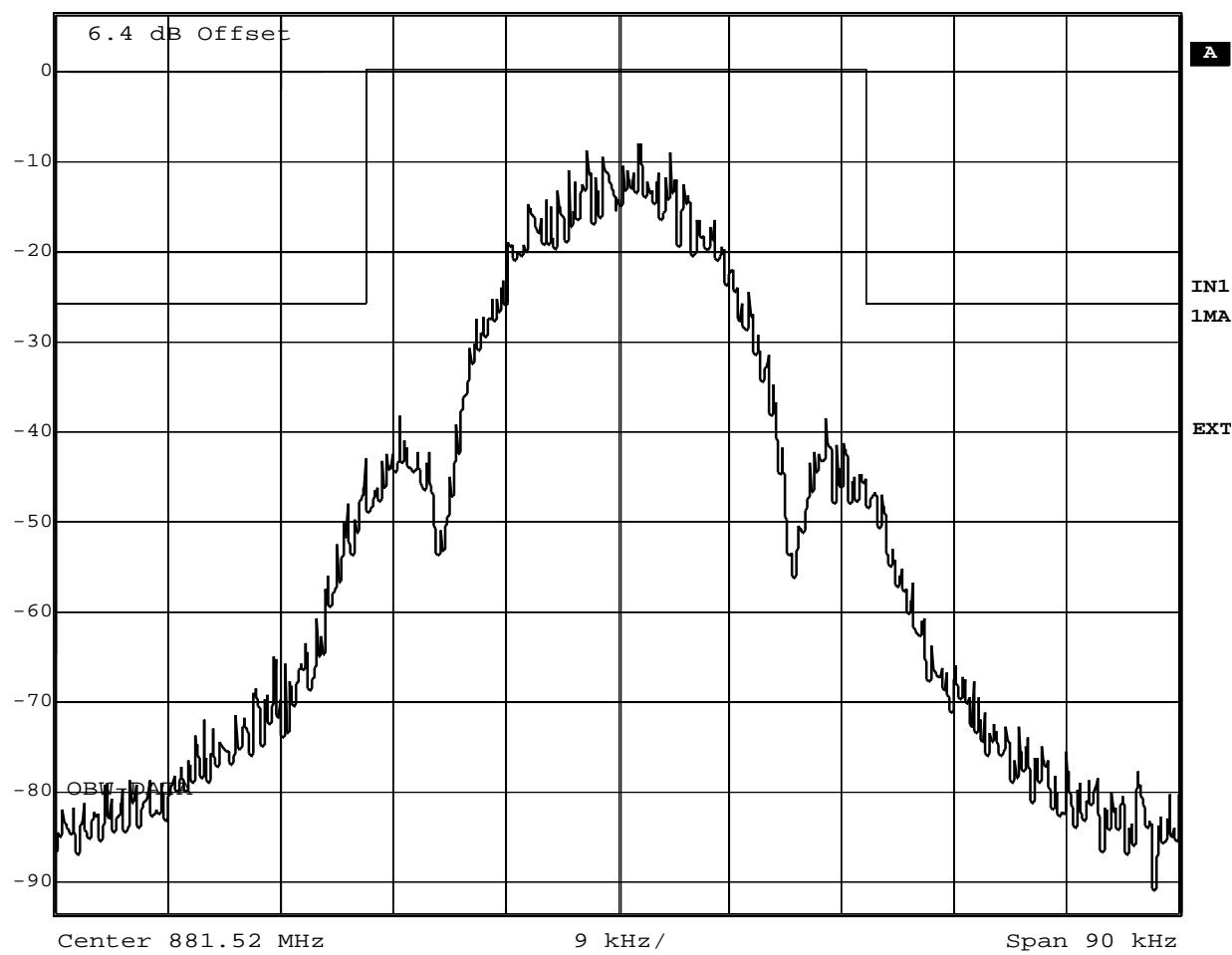
OCCUPIED BANDWIDTH DATA PACKET MODE

Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138  
and TIA/EIA-553



Ref Lvl  
6.4 dBm

RBW 300 Hz RF Att 10 dB  
VBW 300 Hz  
SWT 5 s Unit dBm



Date: 27.SEP.1999 13:52:17

Referenced to the Rated Power Output  
Modulated with 19.2 kbs PSEUDORANDOM DATA

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OCCUPIED BANDWIDTH DATA PACKET MODE

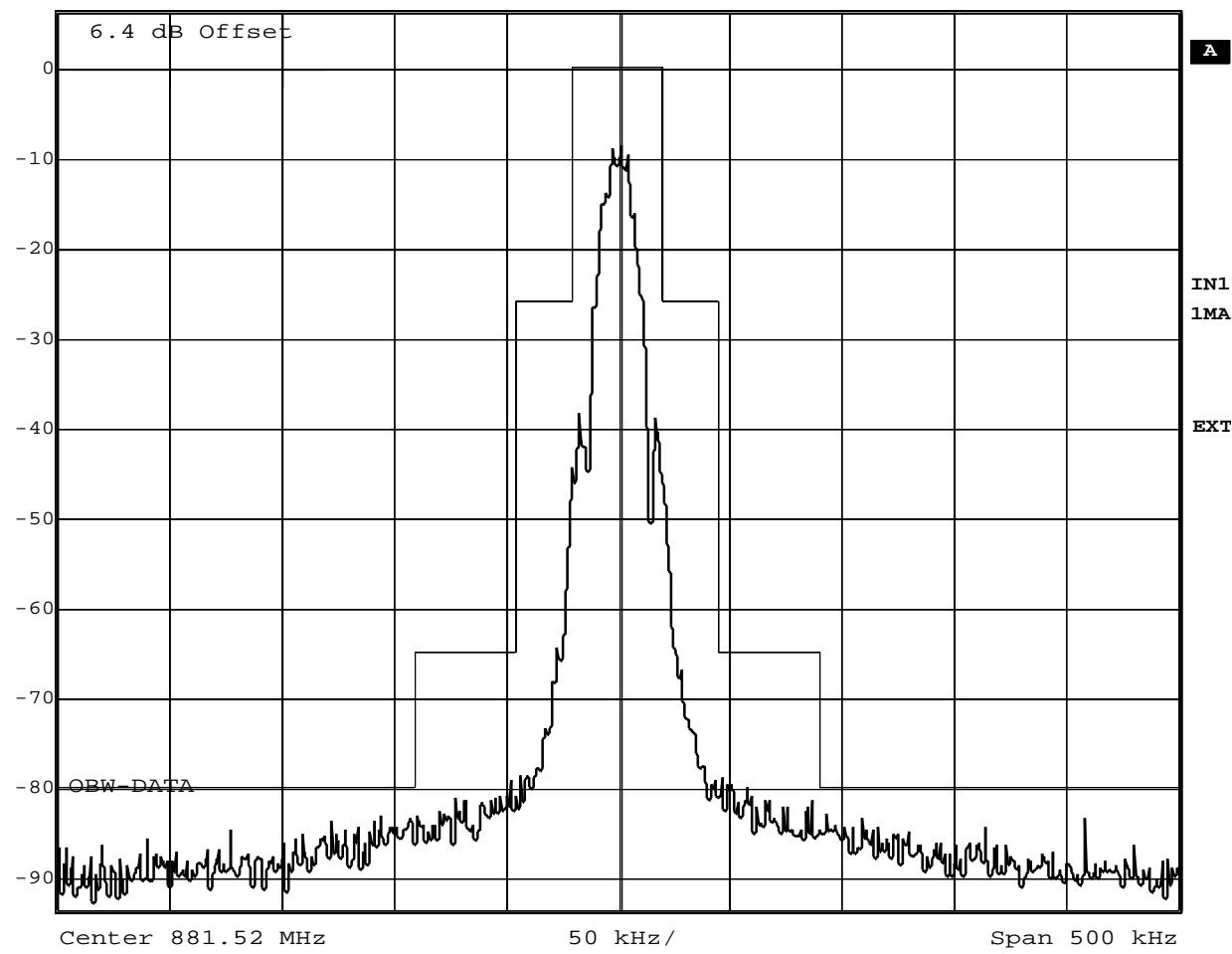
Modulation Sideband Spectrum  
Measured Per TIA/IS-136/IS-138  
and TIA/EIA-553



Ref Lvl

6.4 dBm

RBW 300 Hz RF Att 10 dB  
VBW 300 Hz  
SWT 28 s Unit dBm



Date: 27.SEP.1999 13:53:25

Referenced to the Rated Power Output  
Modulated with 19.2 kbs PSEUDORANDOM DATA

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CONDUCTED SPURIOUS EMISSIONS

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2.1051

Conducted Spurious Emissions

Spurious emissions at the antenna terminal (conducted) when properly loaded with an appropriate artificial antenna were measured per EIA/IS-138 § 3.4.2.

Equipment used:

Rohde & Schwarz ESI 40, EMI Test Receiver  
Including:

Spectrum Analyzer, 20 Hz-40 GHz

EMI Receiver, 20 Hz-40 GHz

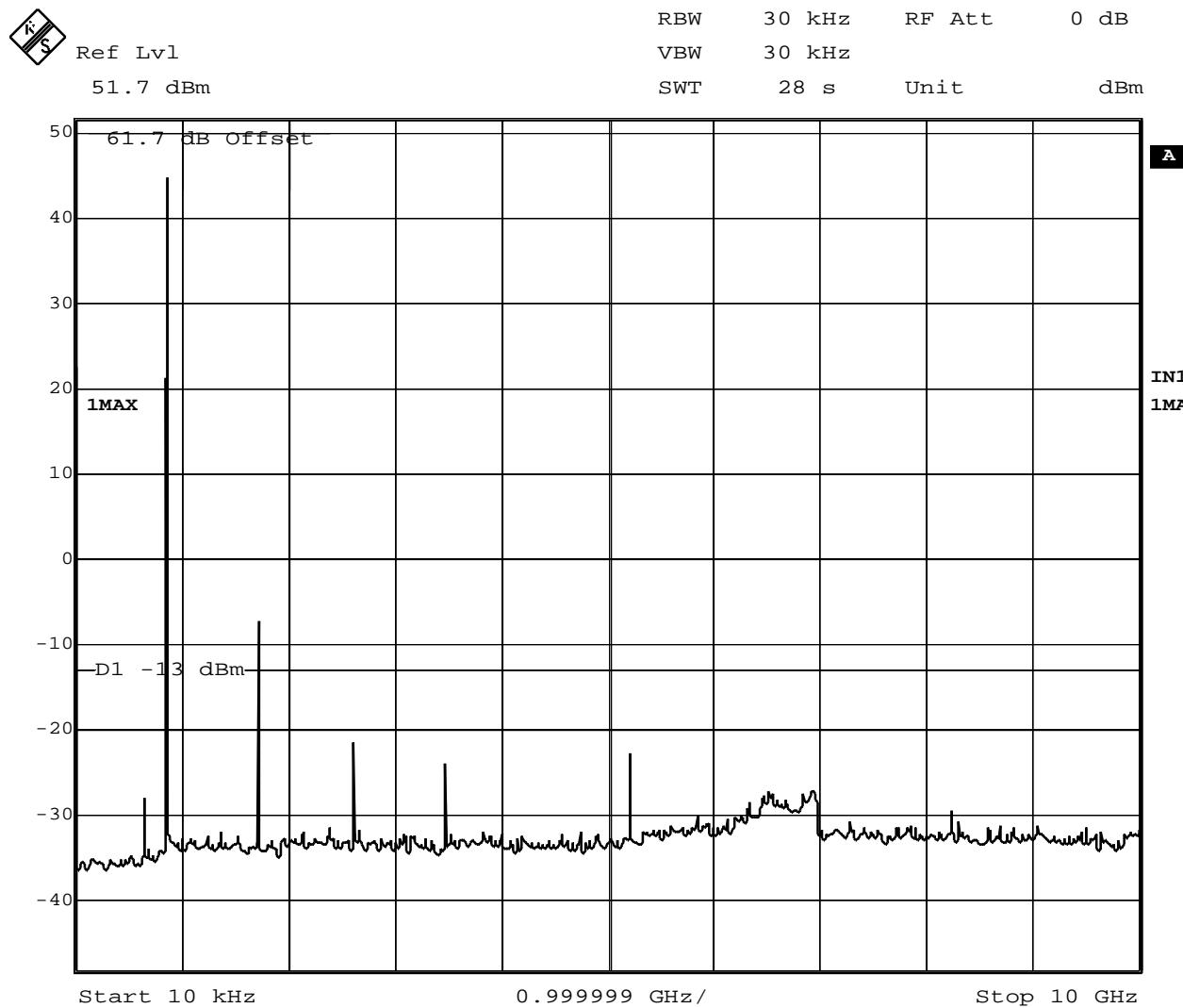
Option FSE-B7 Signal Vector Analysis

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CONDUCTED SPURIOUS EMISSIONS ANALOG MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 12:41:58

Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz

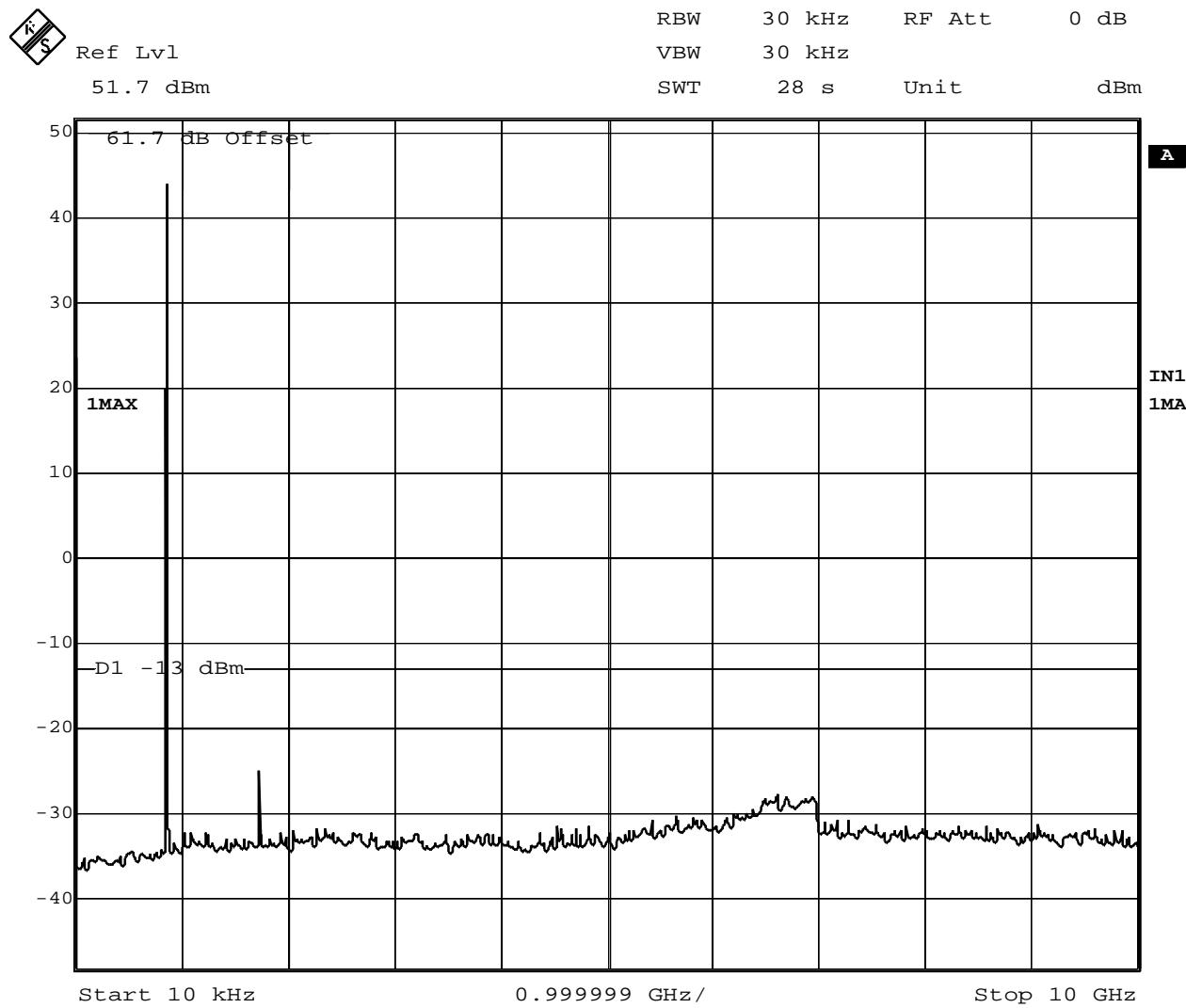
Note: Measured without bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

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CONDUCTED SPURIOUS EMISSIONS ANALOG MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 12:33:15

Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz

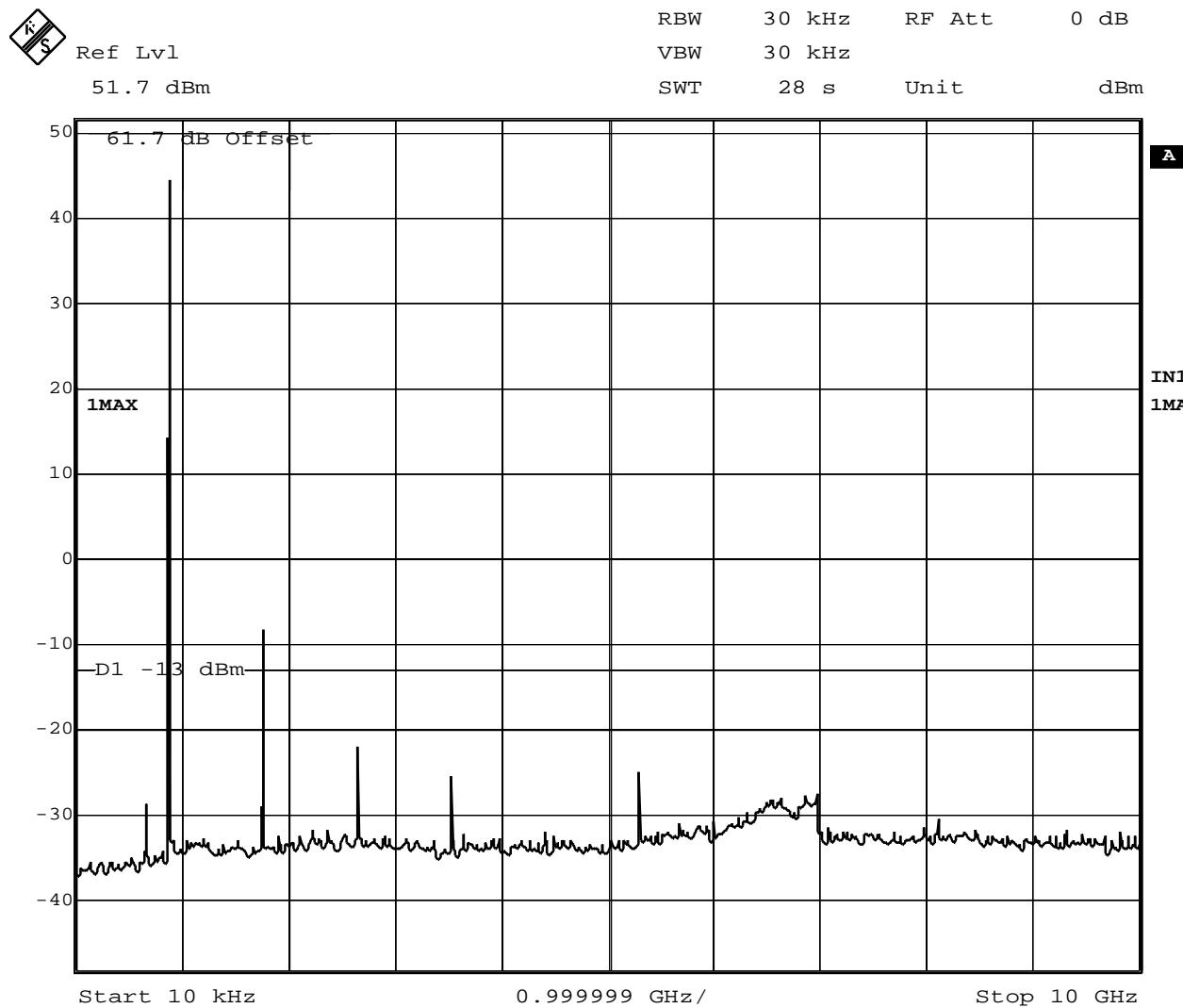
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

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CONDUCTED SPURIOUS EMISSIONS ANALOG MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 18.OCT.1999 14:09:40

Rated Power Output = 30.0 Watt  
Channel 384 / Carrier frequency = 881.52 MHz

Note: Measured without bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

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CONDUCTED SPURIOUS EMISSIONS ANALOG MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Ref Lvl

51.7 dBm

RBW 30 kHz

VBW 30 kHz

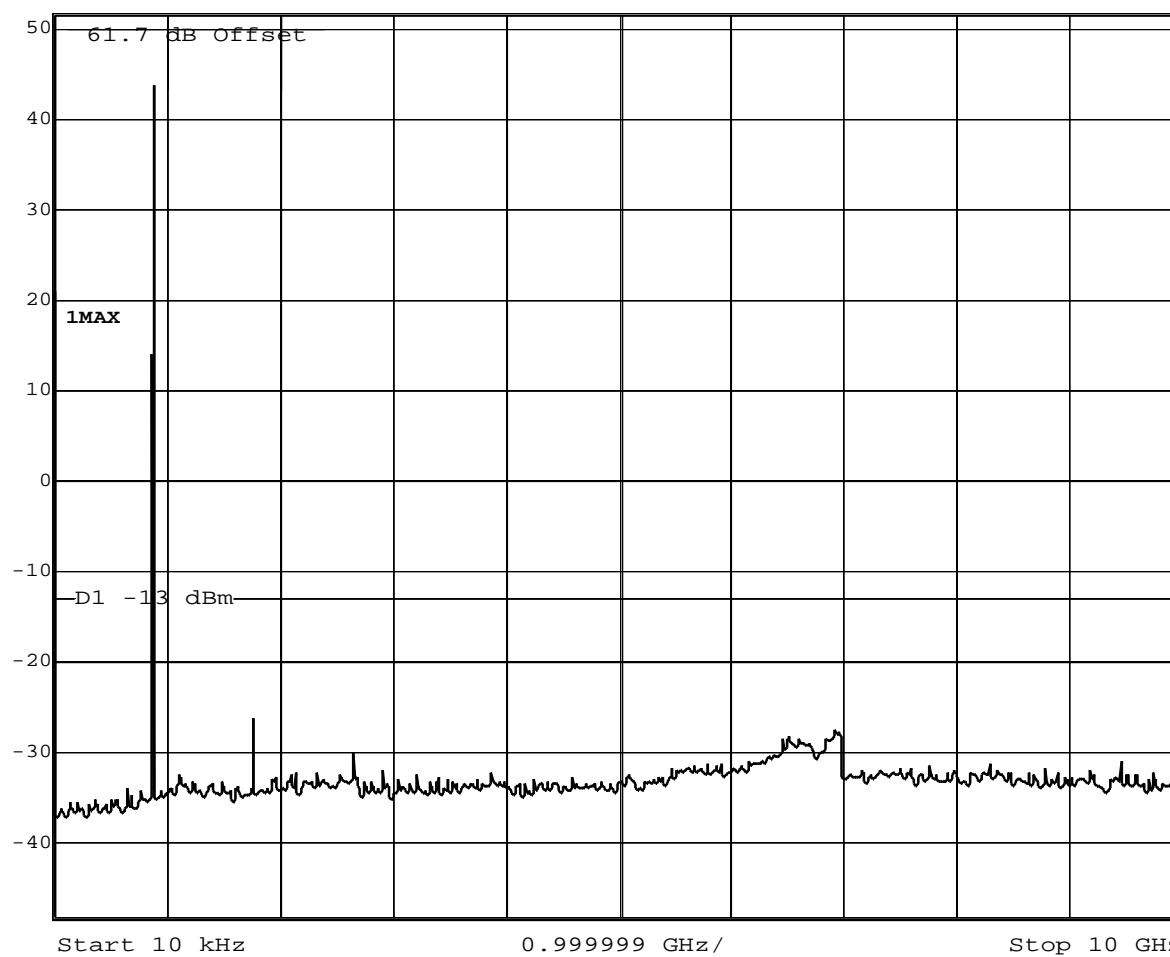
SWT 28 s

RF Att

0 dB

Unit

dBm



Date: 18.OCT.1999 14:21:35

Rated Power Output = 30.0 Watt  
Channel 384 / Carrier frequency = 881.52 MHz

Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

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CONDUCTED SPURIOUS EMISSIONS ANALOG MODE

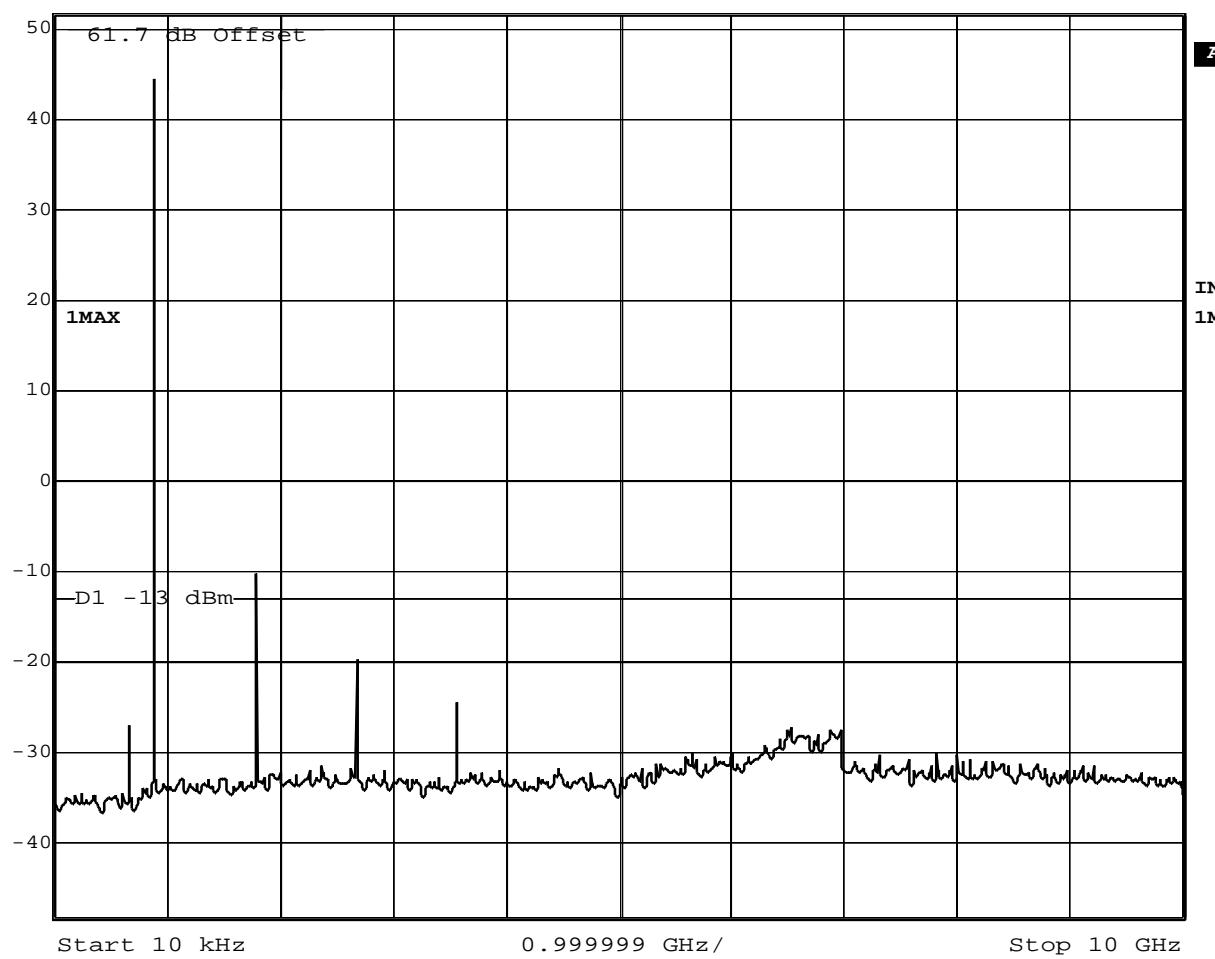
Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Ref Lvl

51.7 dBm

RBW 30 kHz RF Att 0 dB  
VBW 30 kHz  
SWT 28 s Unit dBm



Date: 6.OCT.1999 12:43:14

Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz

Note: Measured without bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:

Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS ANALOG MODE

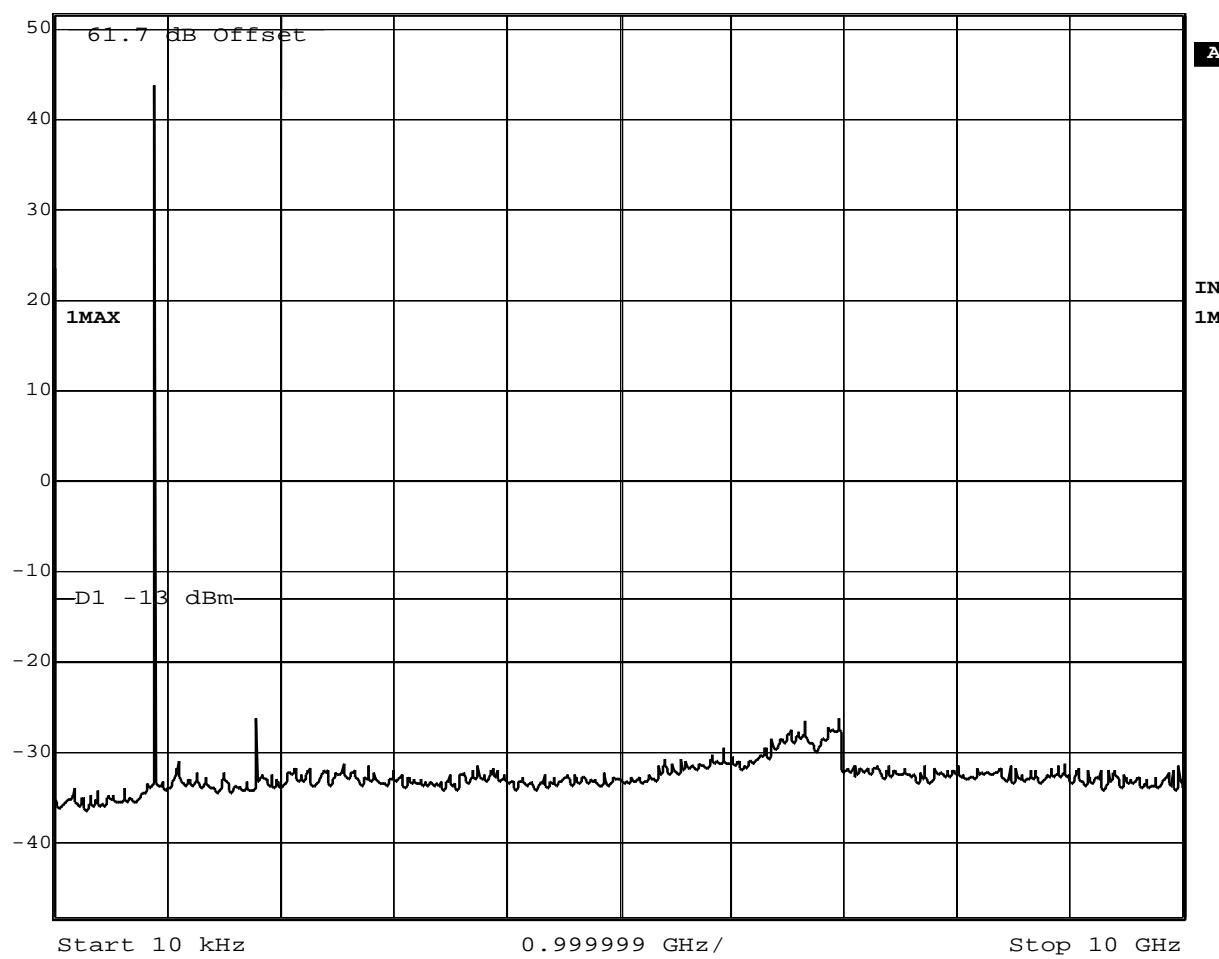
Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Ref Lvl

51.7 dBm

RBW 30 kHz RF Att 0 dB  
VBW 30 kHz  
SWT 28 s Unit dBm



Date: 6.OCT.1999 12:34:50

Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz

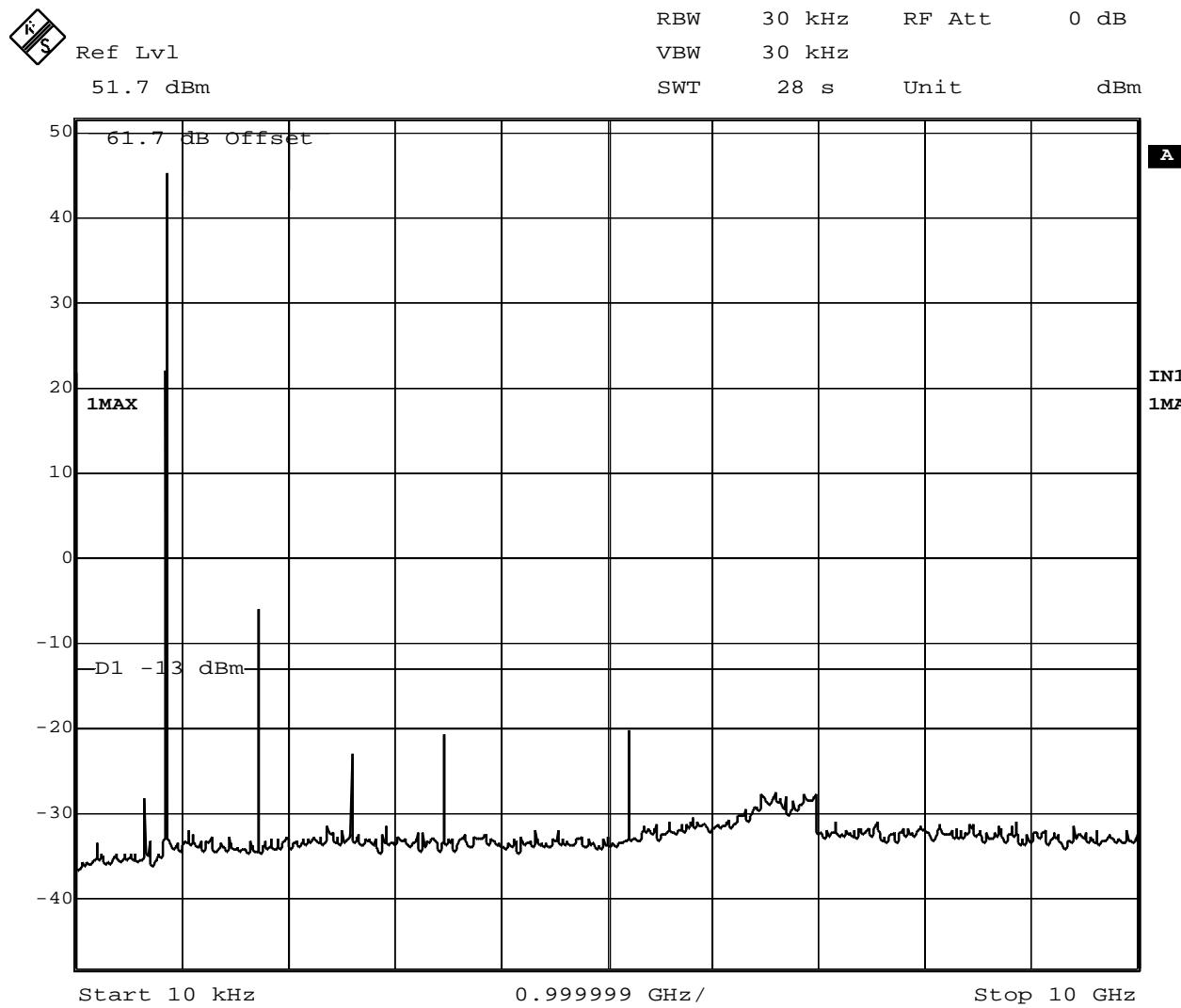
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DIGITAL MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 12:44:27

Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

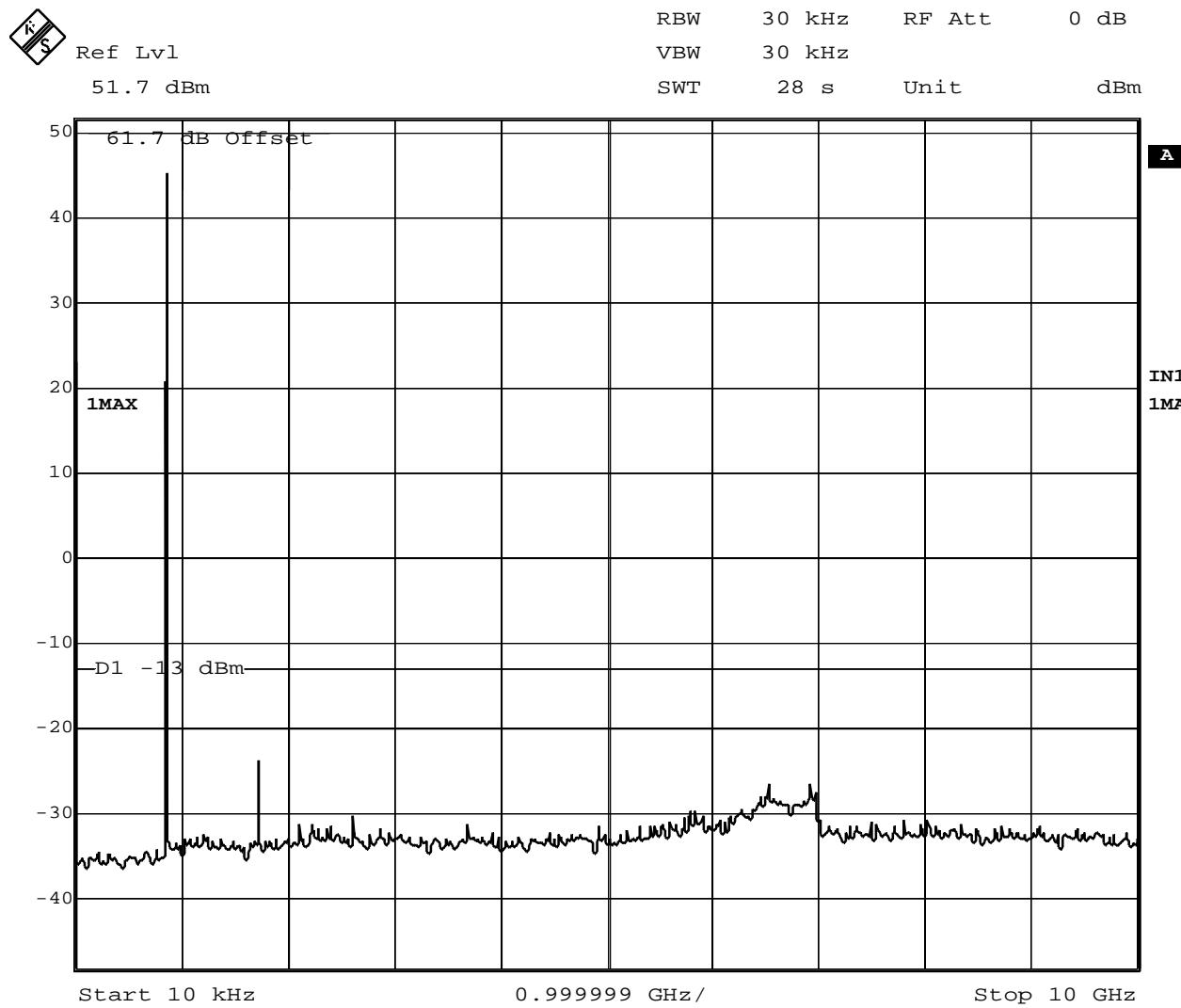
Note: Measured without bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DIGITAL MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 12:36:02

Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

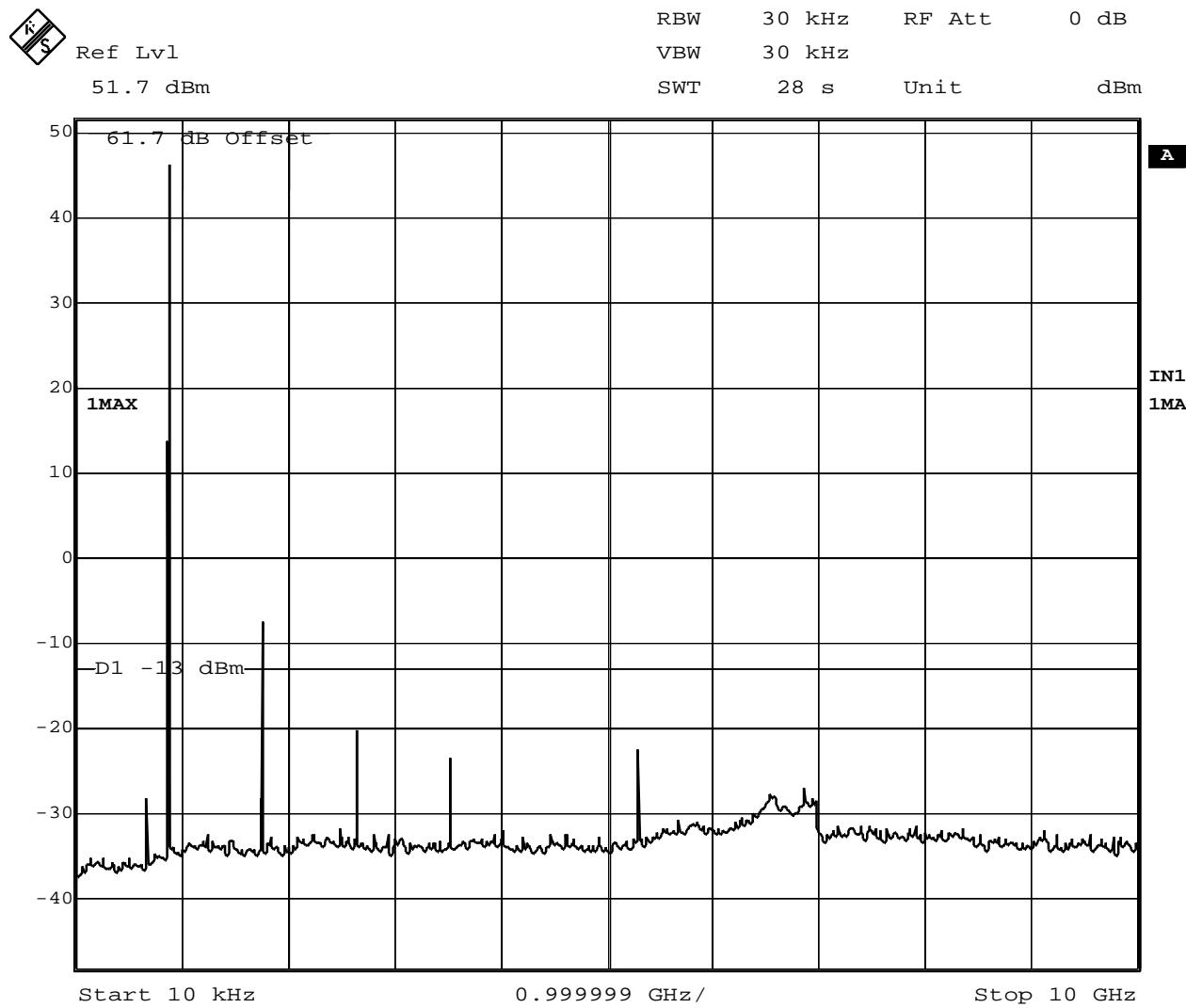
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DIGITAL MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 18.OCT.1999 14:12:08

Rated Power Output = 30.0 Watt  
Channel 384 / Carrier frequency = 881.52 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

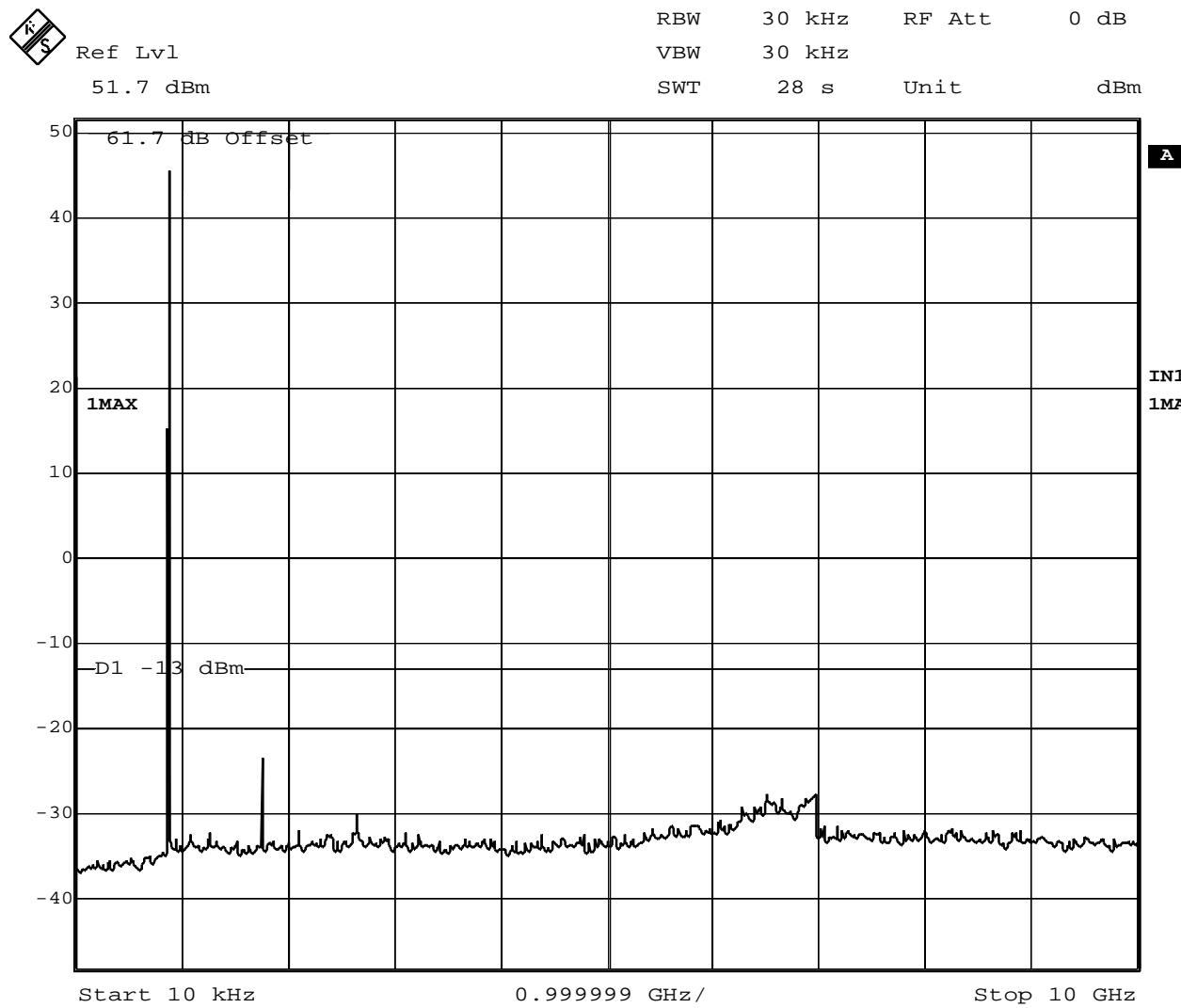
Note: Measured without bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DIGITAL MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 18.OCT.1999 14:23:20

Rated Power Output = 30.0 Watt  
Channel 384 / Carrier frequency = 881.52 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

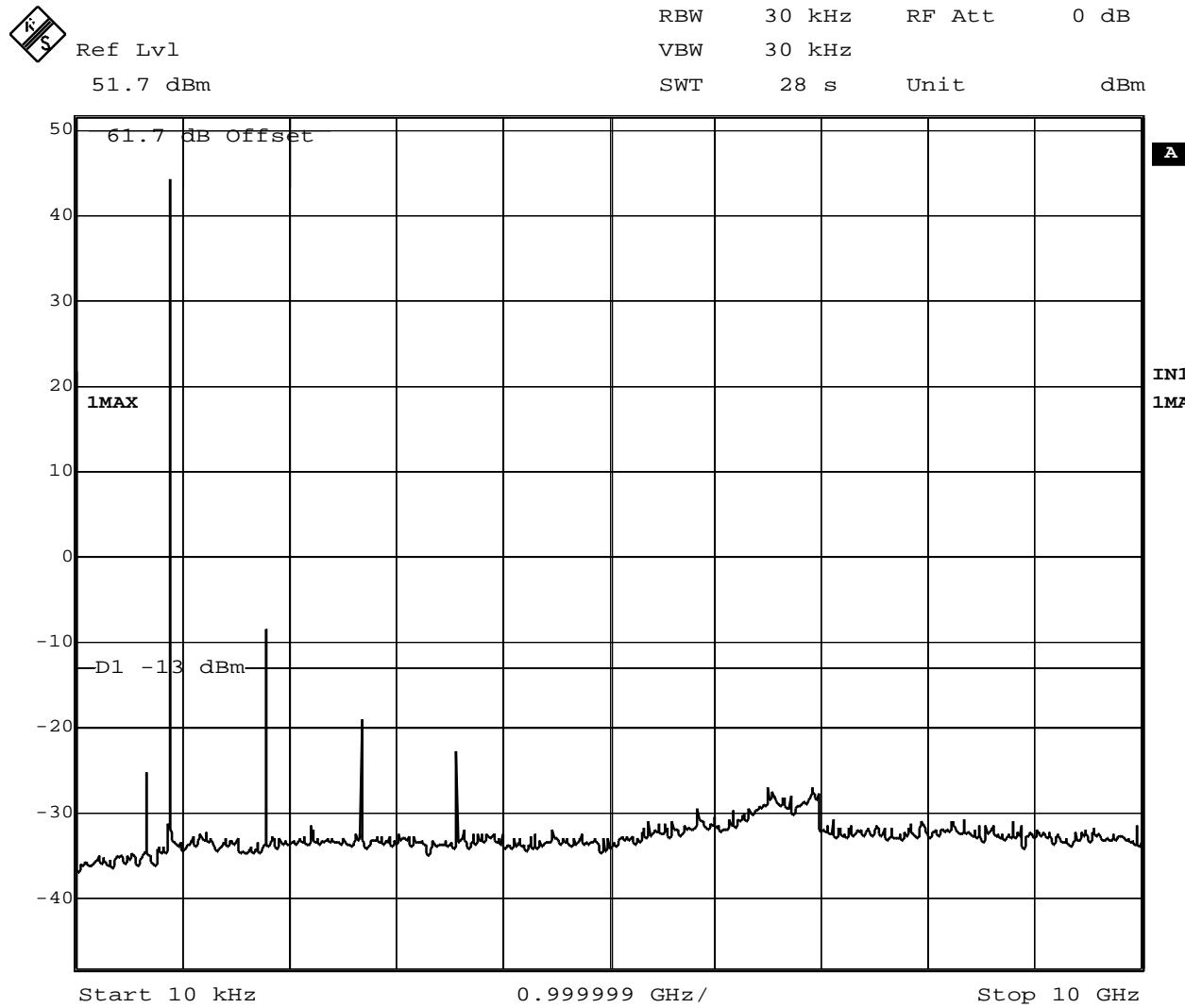
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DIGITAL MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 12:45:21

Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

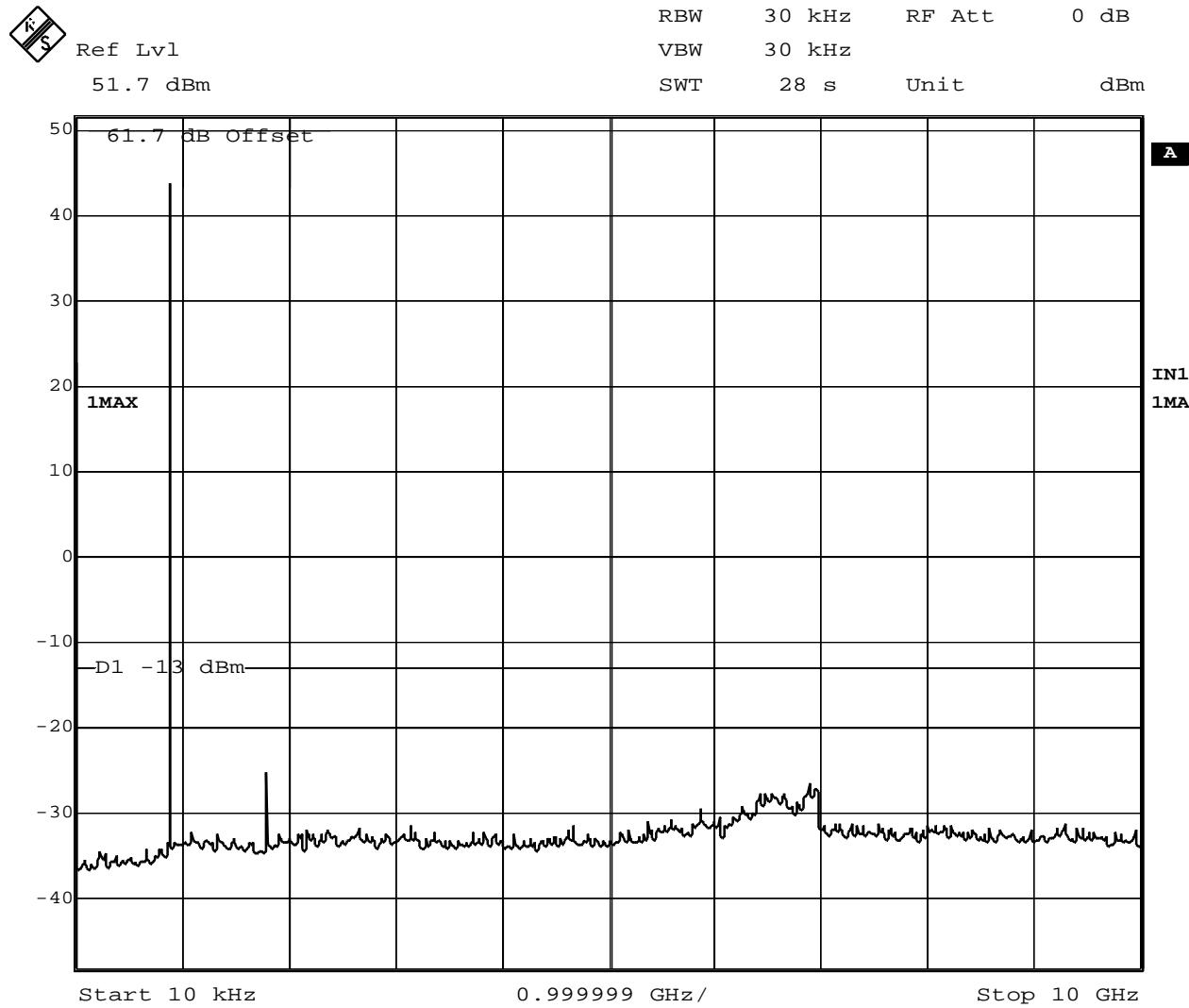
Note: Measured without bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DIGITAL MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 6.OCT.1999 12:37:04

Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

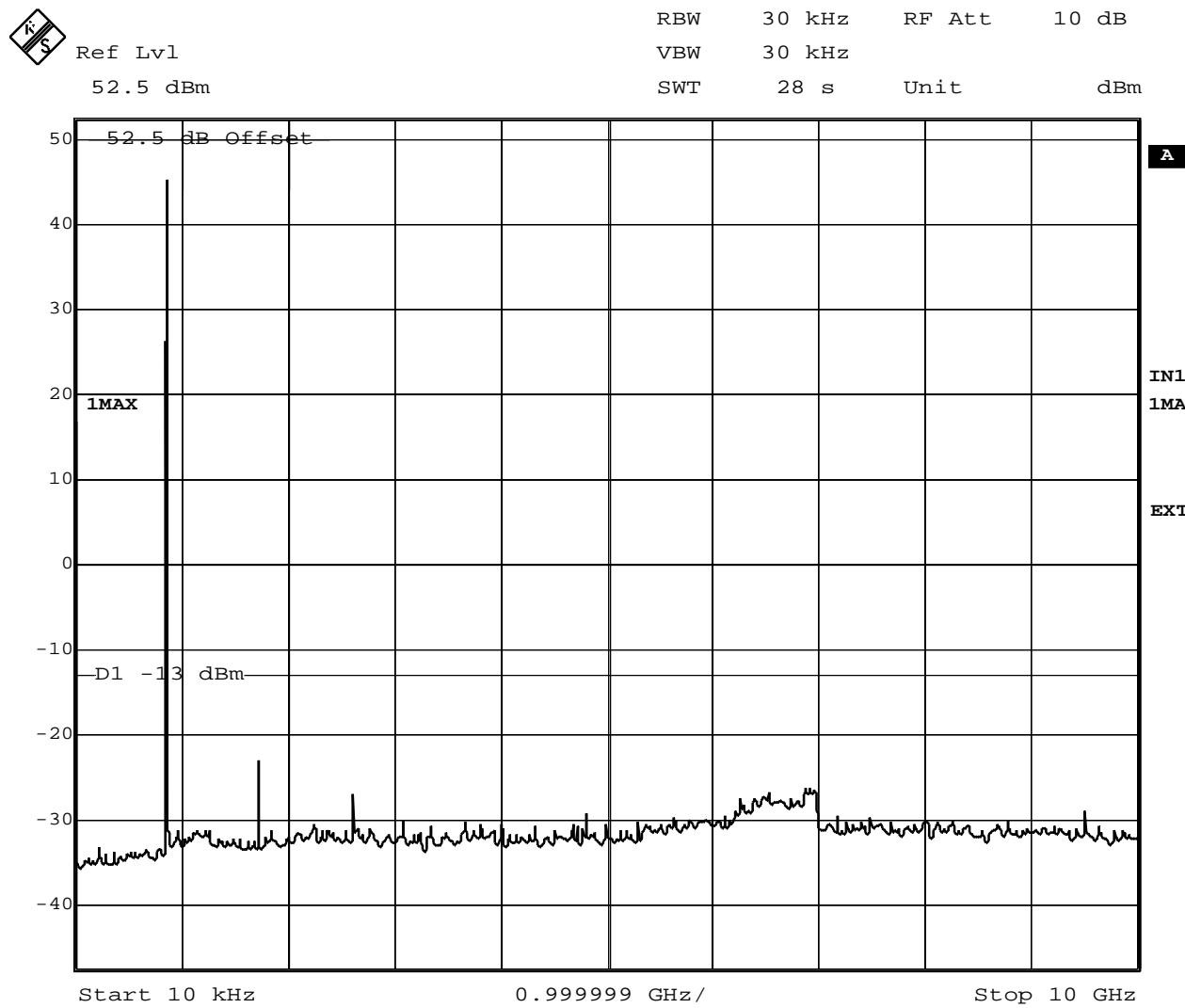
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DATA PACKET MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 27.SEP.1999 15:40:30

Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz  
Modulated with 19.2 kbs PSEUDORANDOM DATA

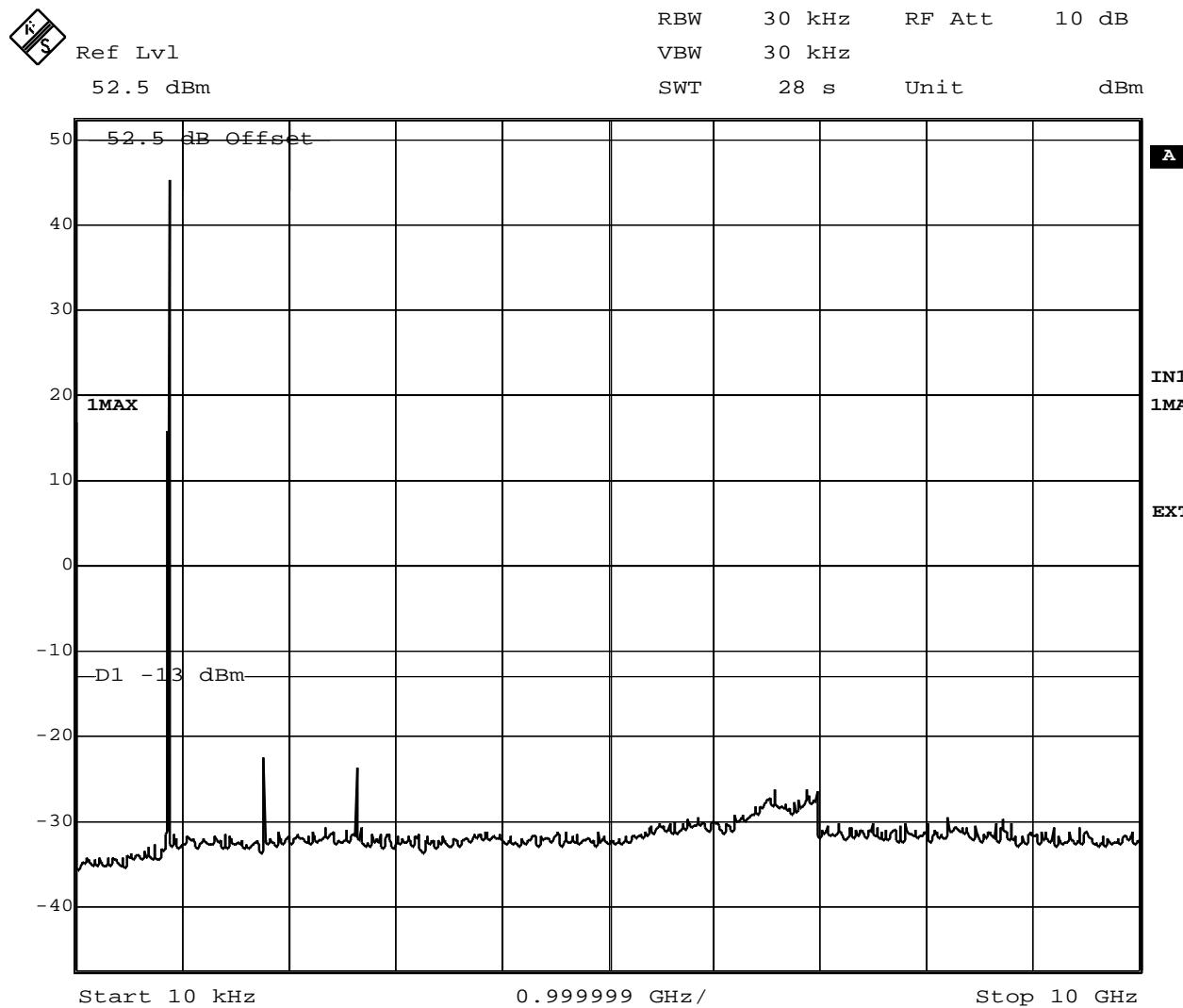
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DATA PACKET MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 27.SEP.1999 15:42:35

Rated Power Output = 30.0 Watt  
Channel 384 / Carrier frequency = 881.52 MHz  
Modulated with 19.2 kbs PSEUDORANDOM DATA

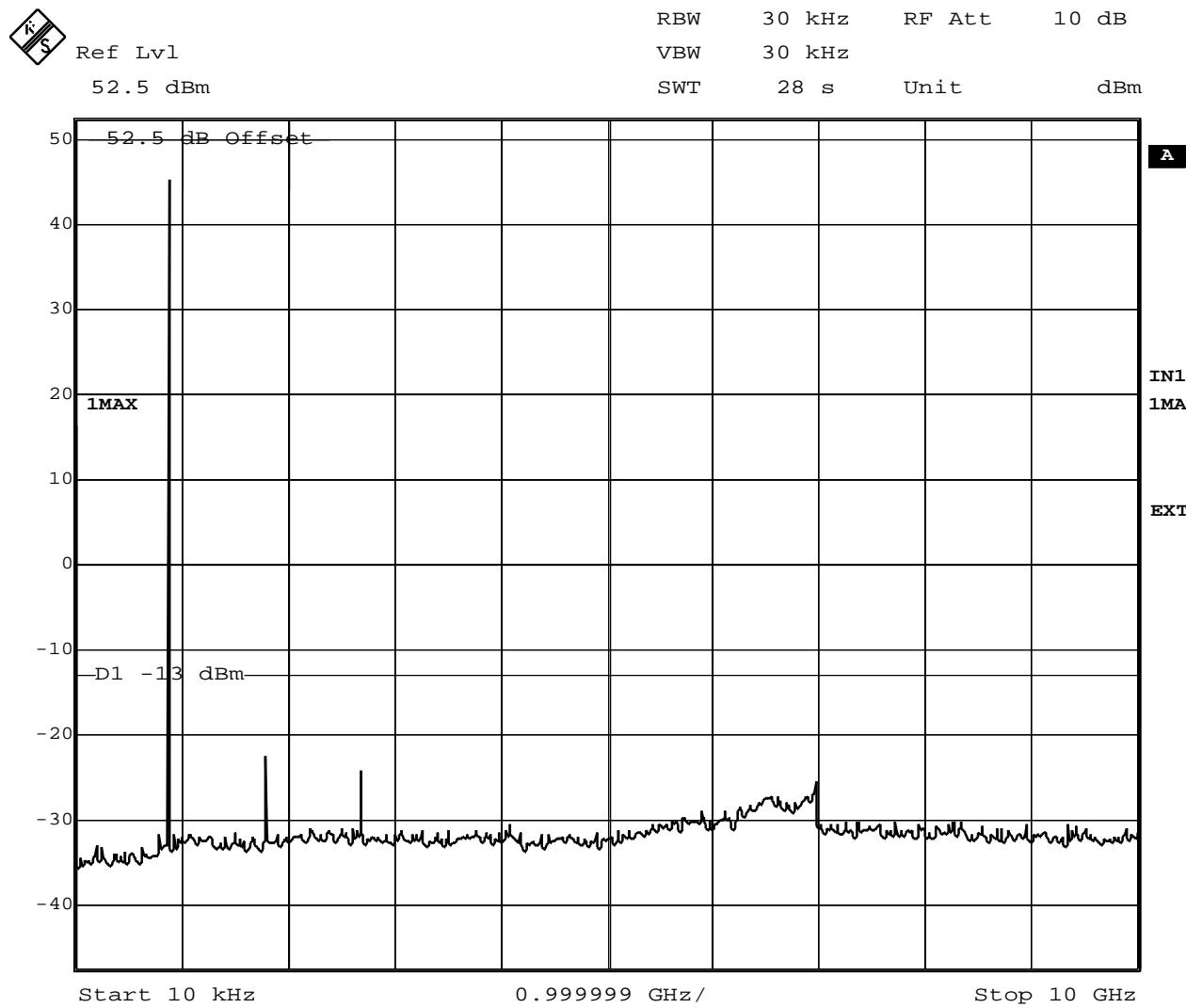
Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

CONDUCTED SPURIOUS EMISSIONS DATA PACKET MODE

Conducted Spurious Emission  
Measured Per TIA/IS-136/IS-138



Date: 27.SEP.1999 15:44:51

Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz  
Modulated with 19.2 kbs PSEUDORANDOM DATA

Note: Measured **with** bandpass filter on TRX output.  
See description of Spurious and Harmonic  
Suppression in Exhibit 5A.

APPLICANT:

Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS ANALOG MODE

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2.1053                   Field Strength of Spurious Radiation

Ref. 2.1053 field strength of spurious emissions was measured on our 3 meter range. The measurement procedure is per EIA/IS-138.

APPLICANT:  
Ericsson Radio System AB

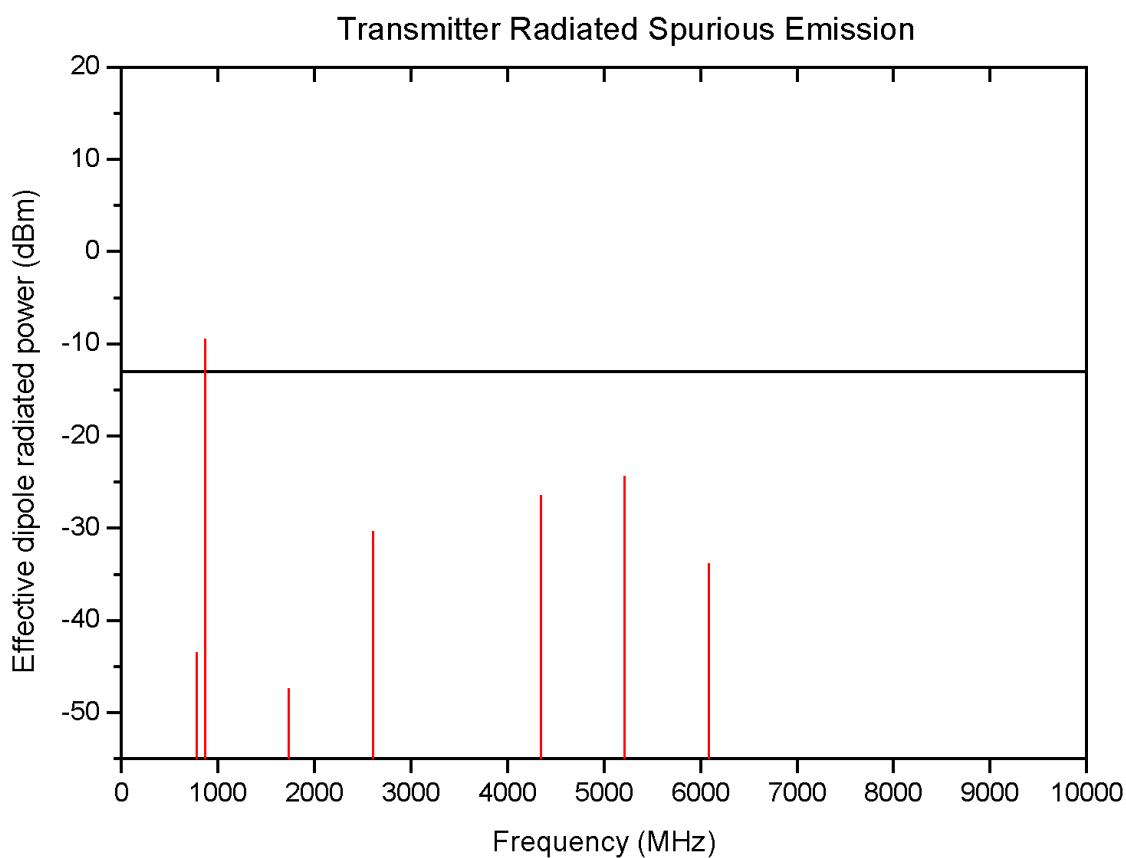
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS MACRO ANALOG MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz

APPLICANT:  
Ericsson Radio System AB

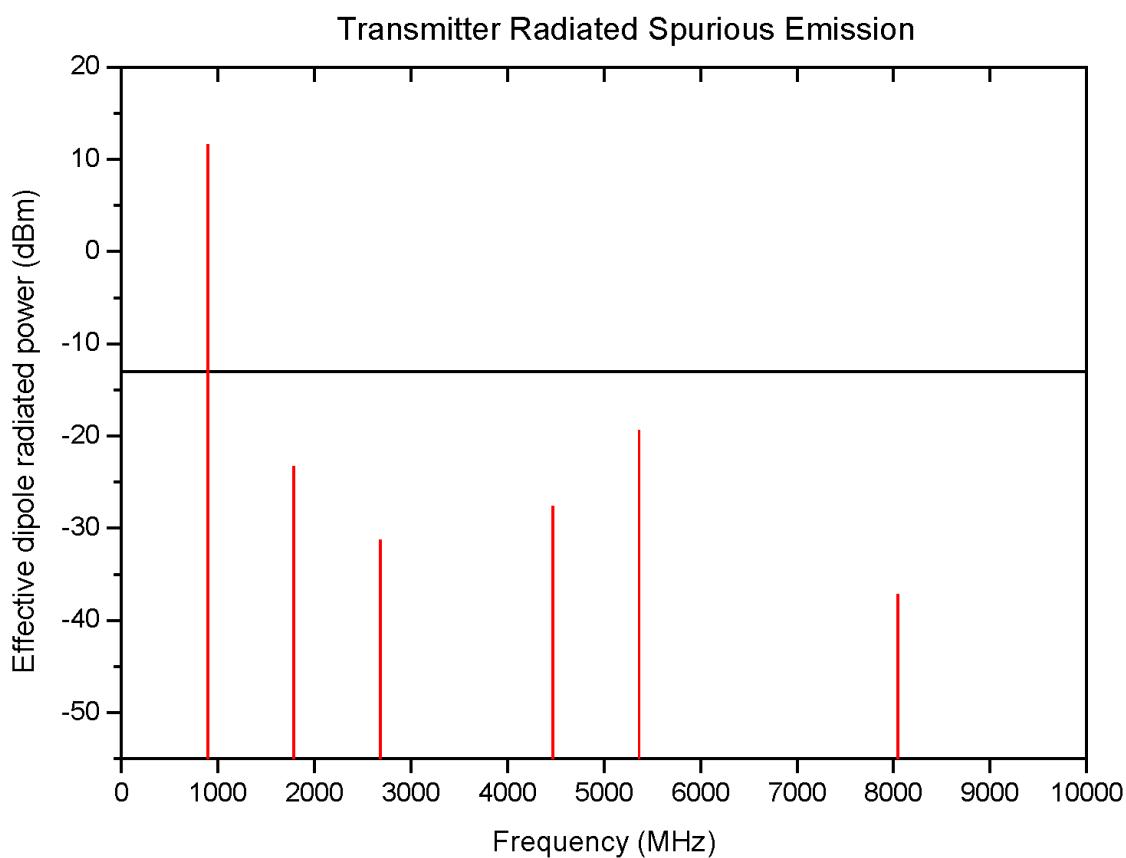
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS MACRO ANALOG MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz

APPLICANT:  
Ericsson Radio System AB

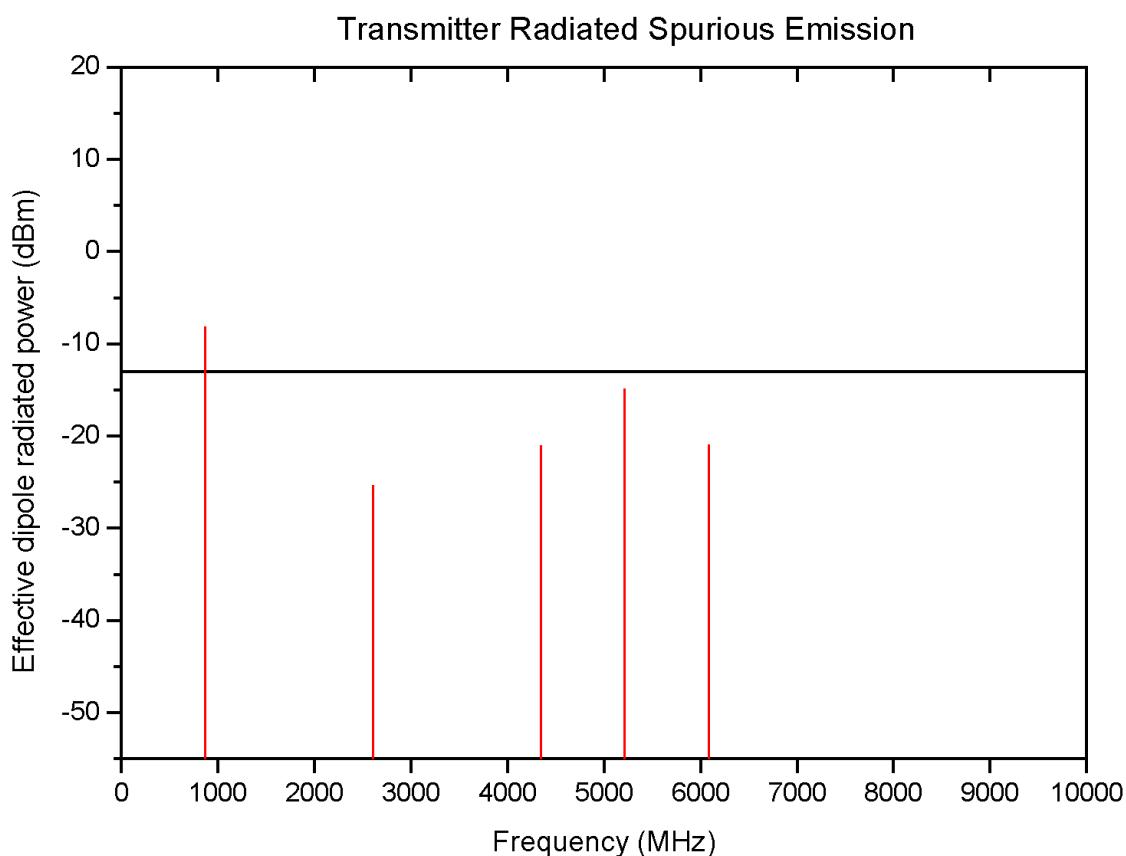
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS MACRO DIGITAL MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

APPLICANT:  
Ericsson Radio System AB

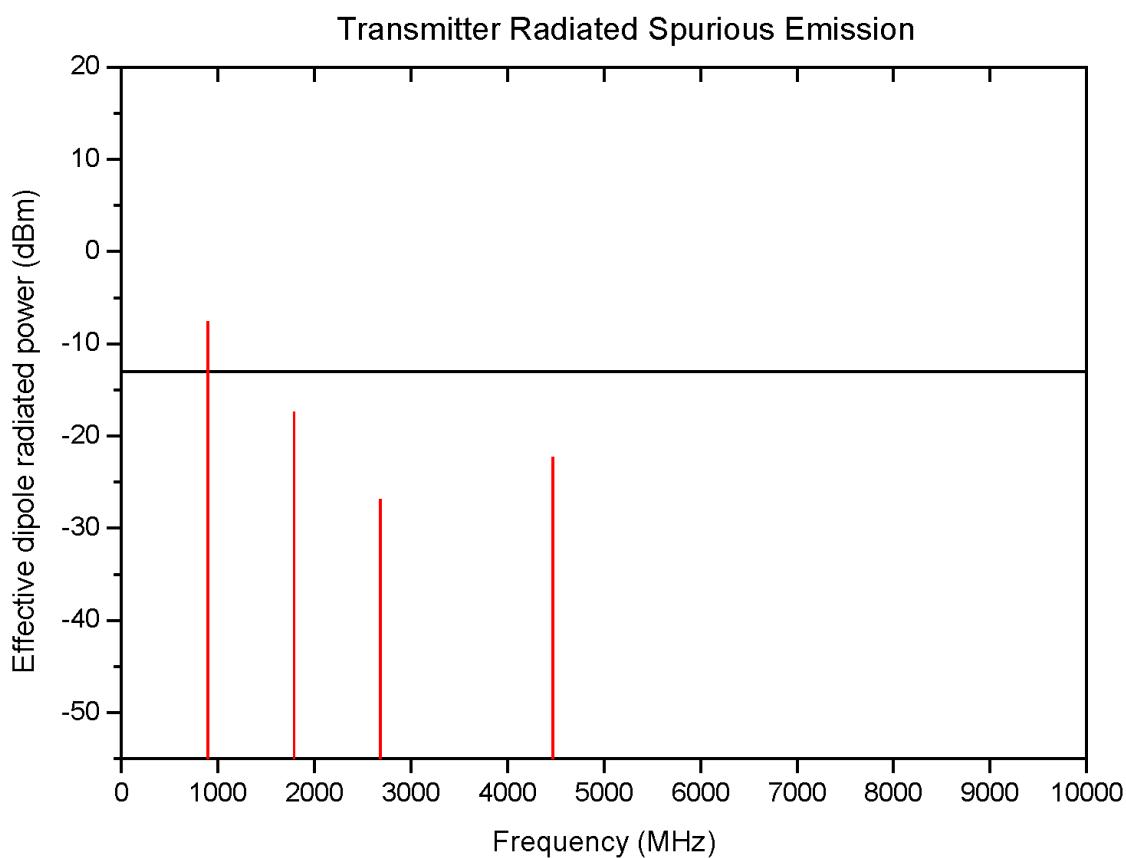
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS MACRO DIGITAL MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

APPLICANT:  
Ericsson Radio System AB

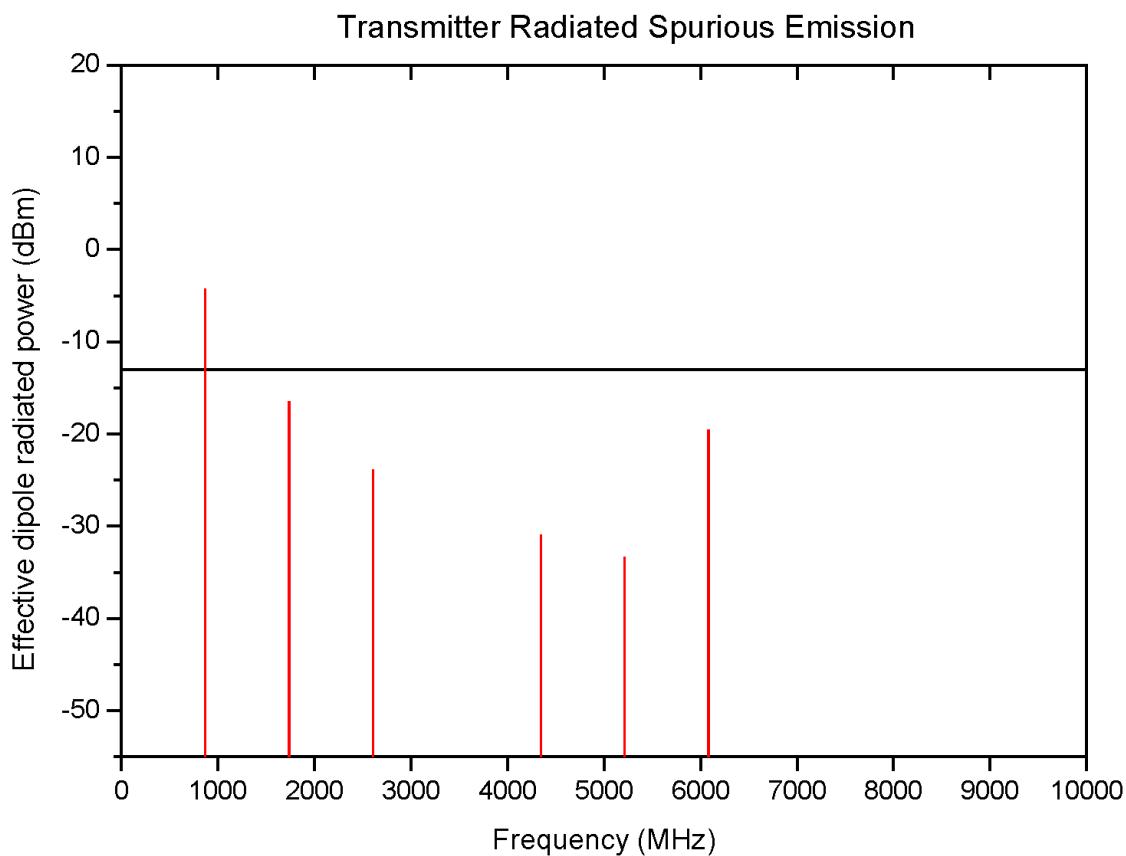
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS CASSETTE ANALOG MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz

APPLICANT:  
Ericsson Radio System AB

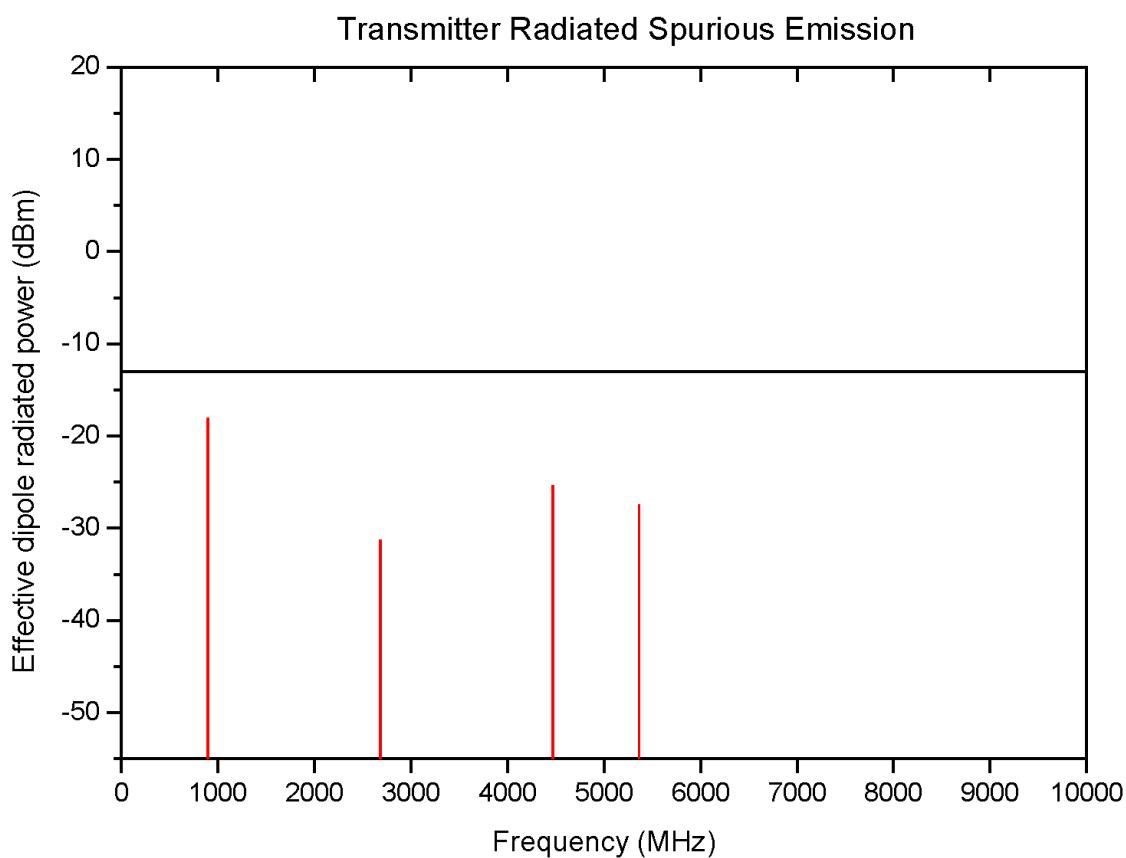
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B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS CASSETTE ANALOG MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz

APPLICANT:  
Ericsson Radio System AB

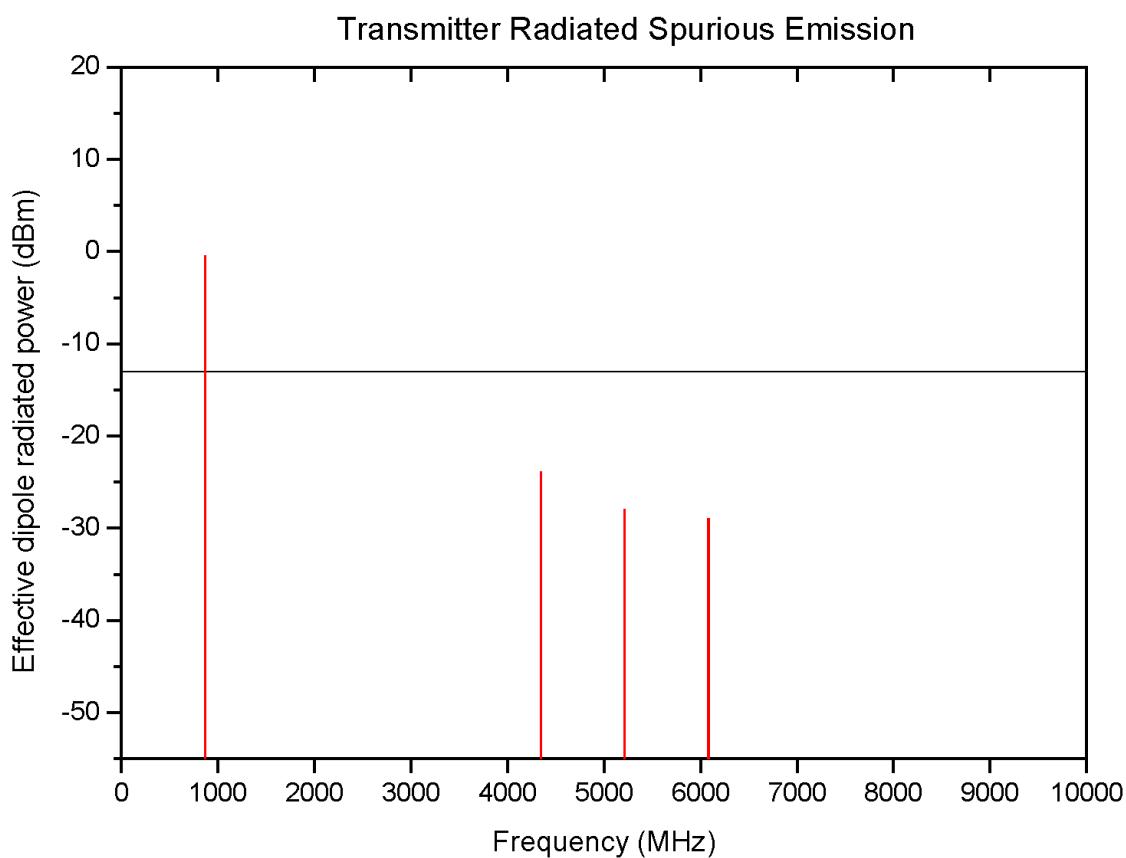
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS CASSETTE DIGITAL MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

APPLICANT:  
Ericsson Radio System AB

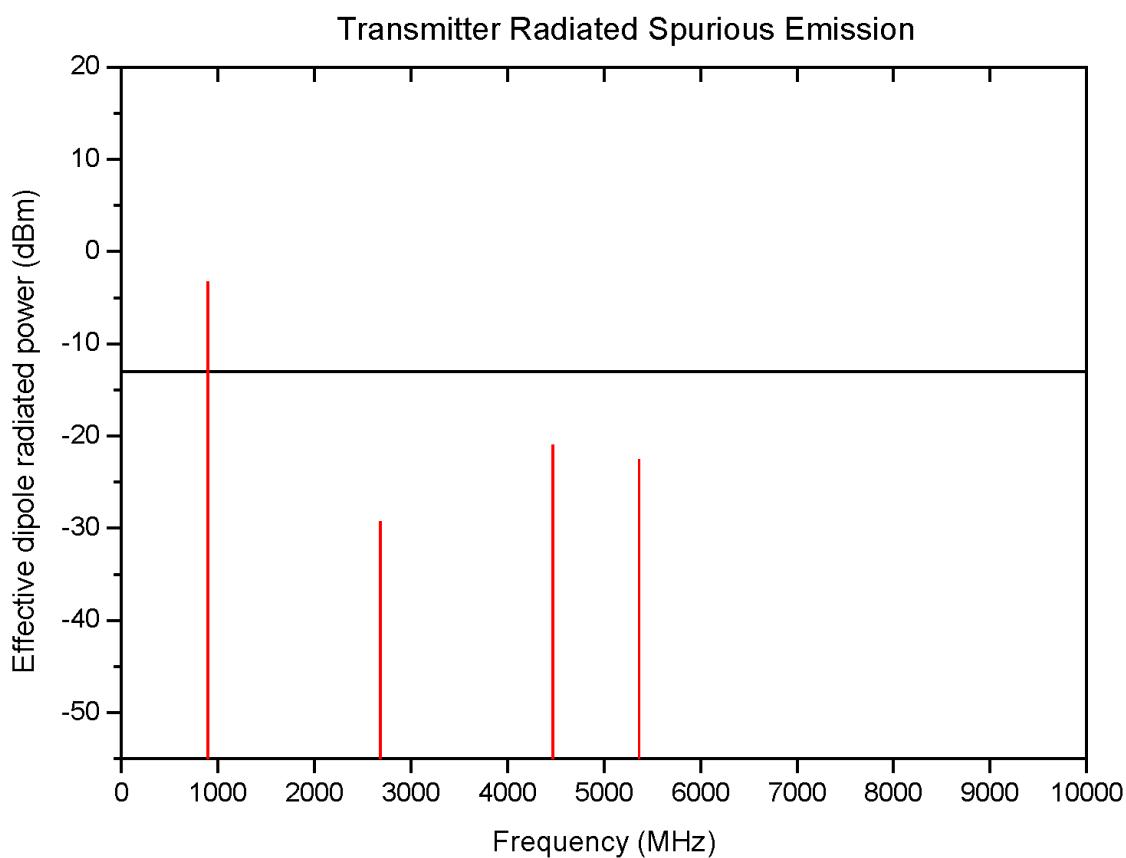
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B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS DIGITAL MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz  
Modulated with 48.6 kbs PSEUDORANDOM DATA

APPLICANT:  
Ericsson Radio System AB

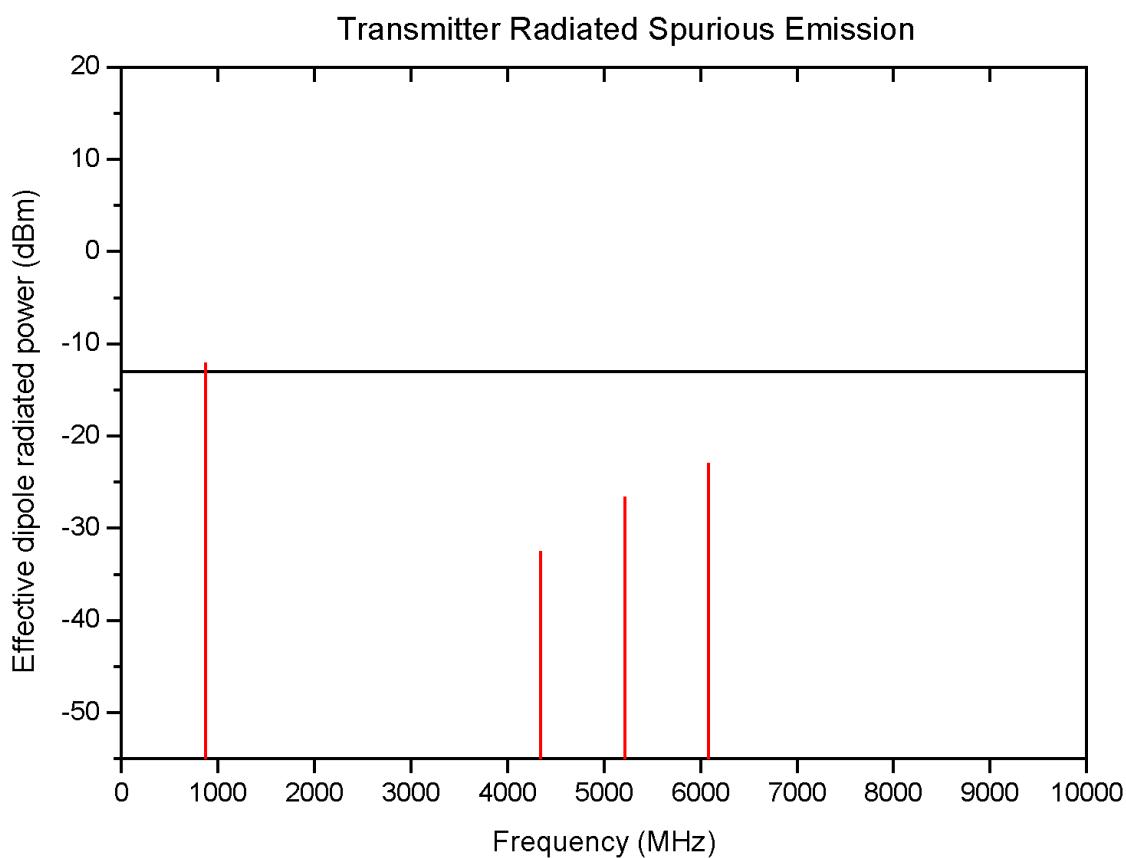
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS MINIMDBS DATA PACKET MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 991 / Carrier frequency = 869.04 MHz  
Modulated with 19.2 kbs PSEUDORANDOM DATA

APPLICANT:  
Ericsson Radio System AB

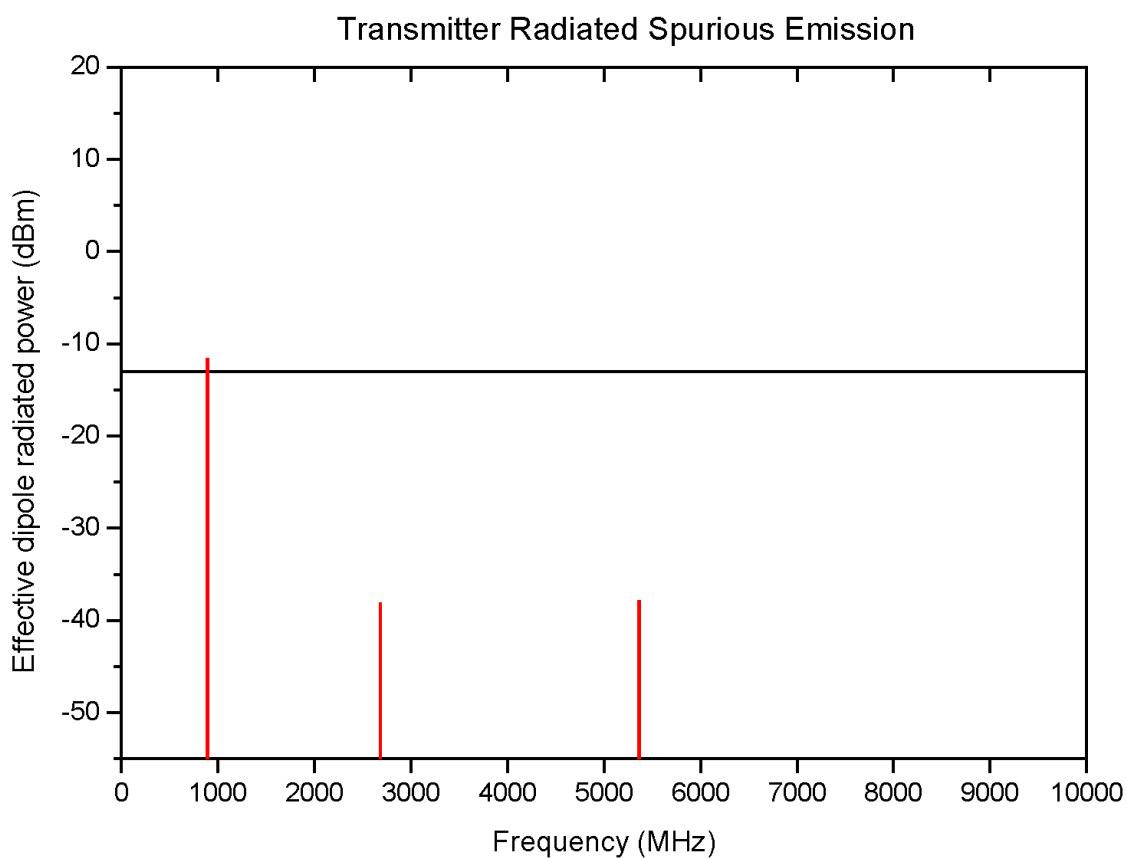
FCC ID NO.  
B5KKRC12110-31

RADIATED SPURIOUS EMISSIONS MINIMDBS DATA PACKET MODE

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Radiated Spurious Emission  
Measured Per TIA/IS-136/IS-138



Rated Power Output = 30.0 Watt  
Channel 799 / Carrier frequency = 893.97 MHz  
Modulated with 19.2 kbs PSEUDORANDOM DATA

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY MACRO WITH CRI

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2.1055 (a,b,d) Output Frequency

Variation of output frequency as a result of either temperature or voltage variation is reported in the graphs on the following pages. The measurements were made per TIA/IS-136/IS-138.

Equipment used:

Rohde & Schwarz ESI 40, EMI Test Receiver  
Including:  
Spectrum Analyzer, 20 Hz-40 GHz  
EMI Receiver, 20 Hz-40 GHz  
Option FSE-B7 Signal Vector Analysis

SATT Stand Alone Test Tool

MB Teknik Walk-in temperature chamber with Internal calibrated temperature control.

The R&S ESI 40 was hooked up to a external 10 MHz reference standard during the measurements.

The SATT (Stand Alone Test Tool) was hooked up to a 10 MHz reference standard from a HP89441 Vector Signal Analyzer during the measurements.

APPLICANT:  
Ericsson Radio System AB

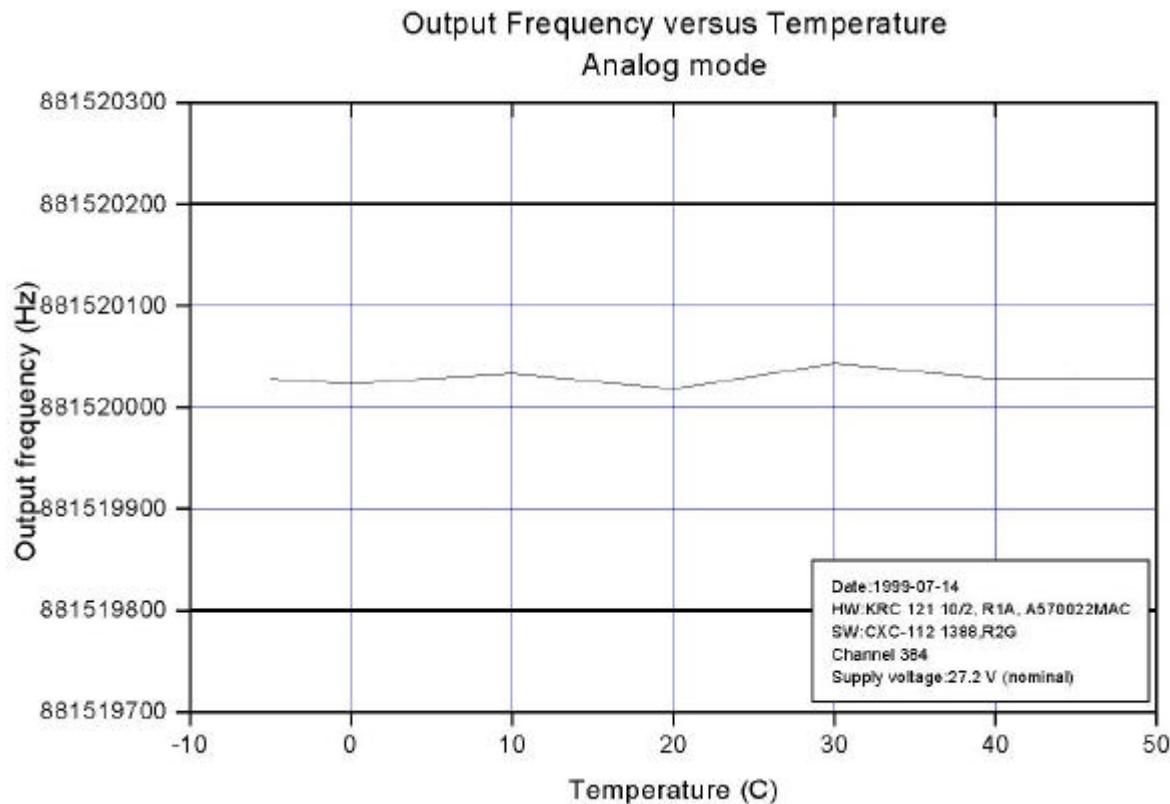
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY MACRO WITH CRI

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage: 27.2 V (nominal)

APPLICANT:

Ericsson Radio System AB

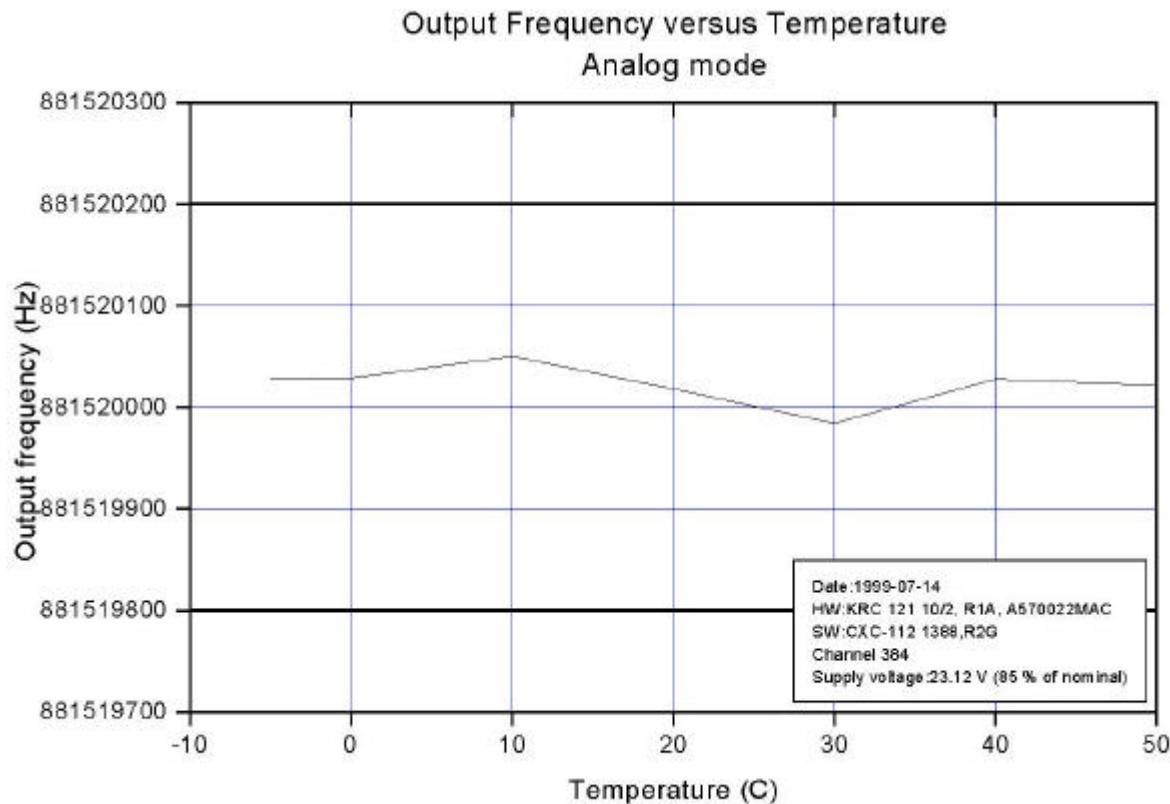
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY MACRO WITH CRI

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage: 23.12 V (85% of nominal)

APPLICANT:

Ericsson Radio System AB

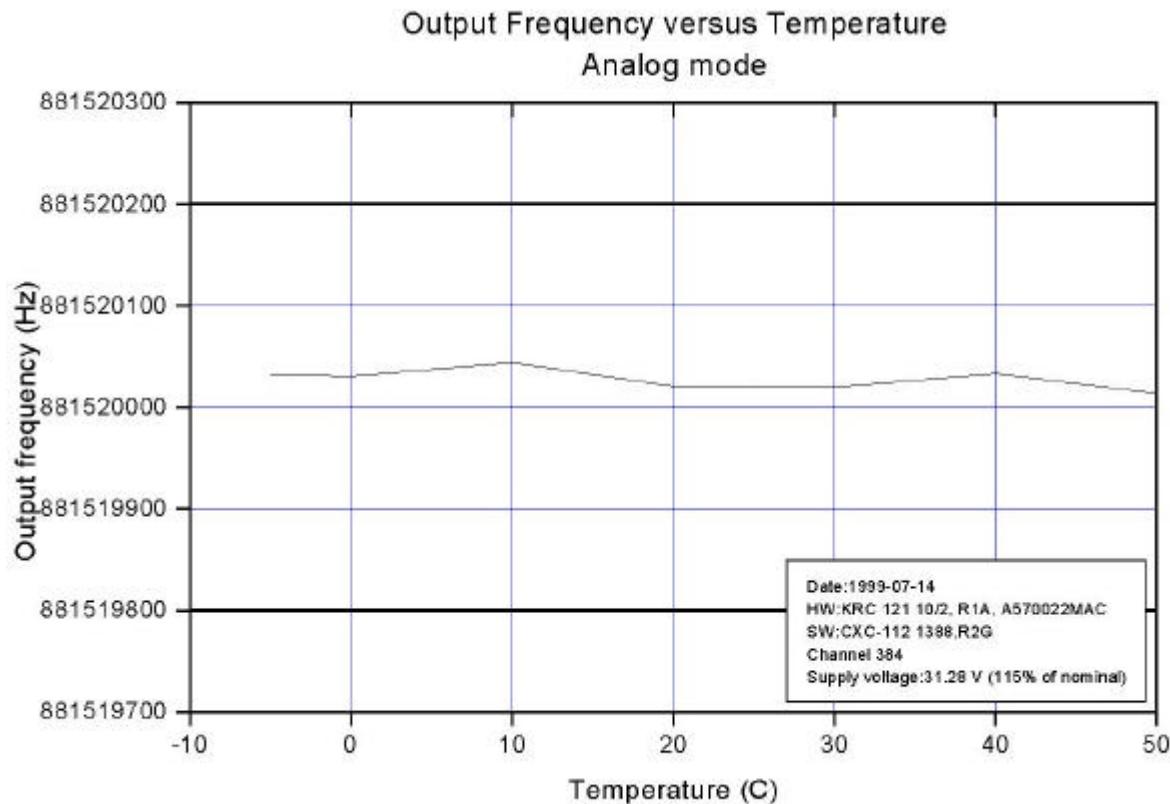
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY MACRO WITH CRI

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage: 31.28 V (115% of nominal)

APPLICANT:  
Ericsson Radio System AB

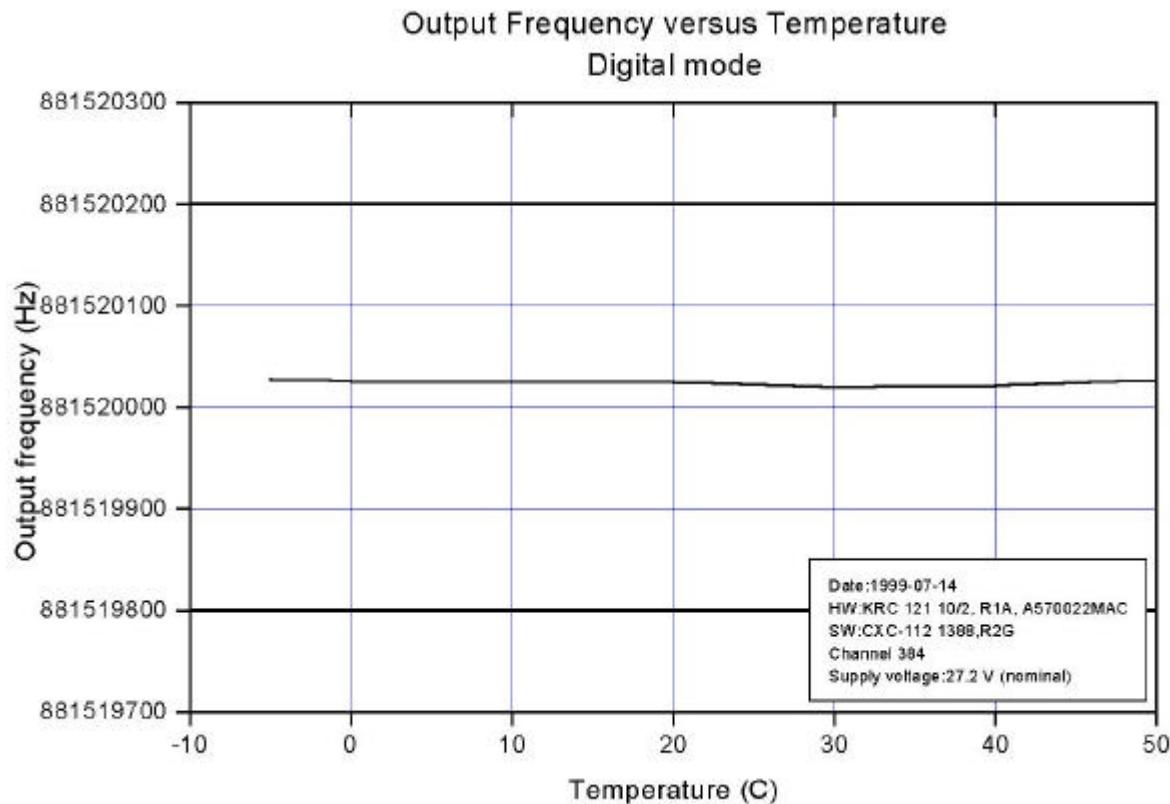
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY CASSETTE WITH CRI

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage:27.2 V (nominal)

APPLICANT:  
Ericsson Radio System AB

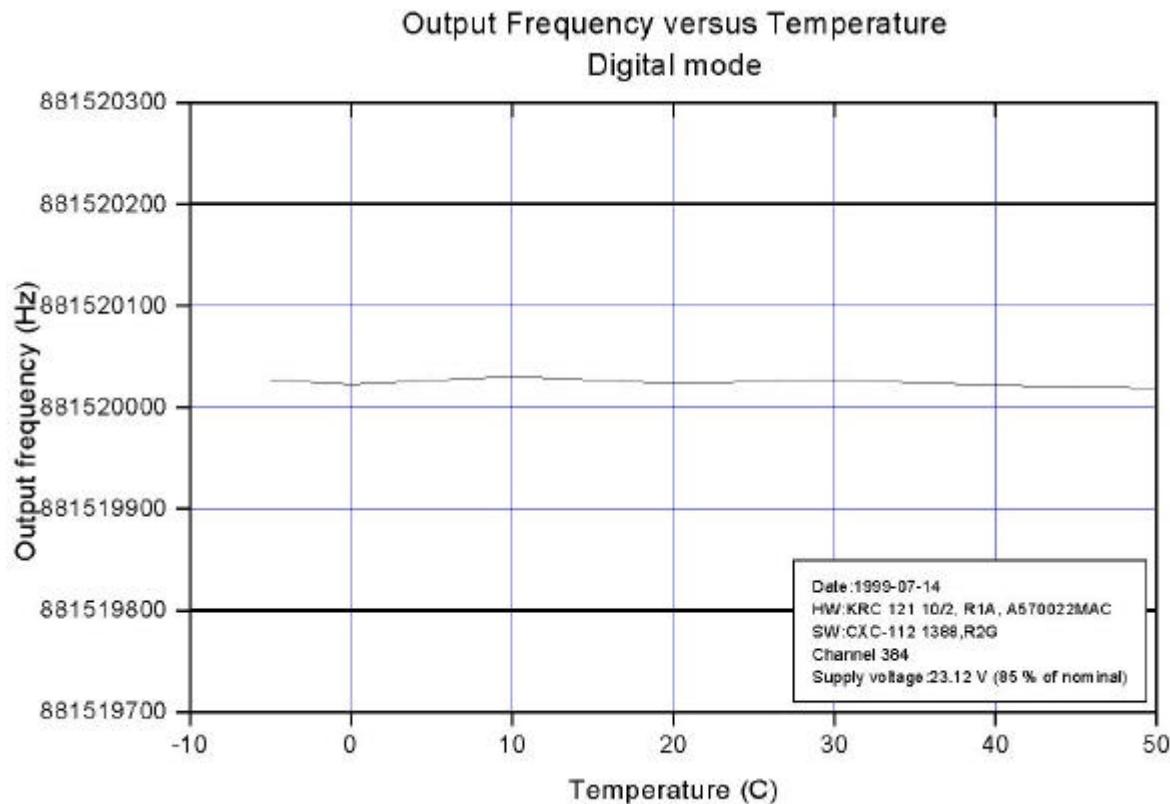
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY CASSETTE WITH CRI

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage: 23.12 V (85% of nominal)

APPLICANT:

Ericsson Radio System AB

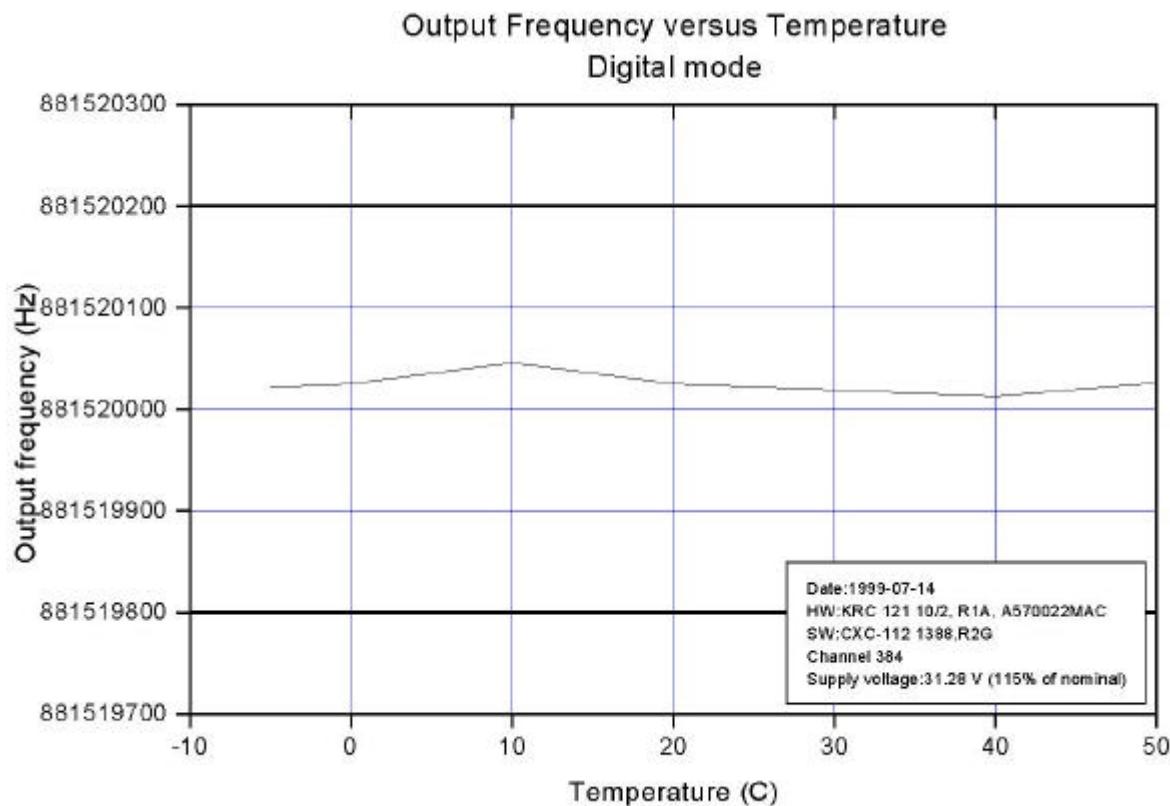
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY CASSETTE WITH CRI

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage:31.28 V (115% of nominal)

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY DATA PACKET MODE

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2.1055 (a,b,d) Output Frequency

Variation of output frequency as a result of temperature and voltage variation is reported in the graphs on the following pages. The measurements were made per TIA/IS-136/IS-138.

Equipment used:

Rohde & Schwarz ESI 40, EMI Test Receiver  
Including:  
Spectrum Analyzer, 20 Hz-40 GHz  
EMI Receiver, 20 Hz-40 GHz  
Option FSE-B7 Signal Vector Analysis

Personal Computer with serial link

MB Teknik Walk-in temperature chamber with  
Internal calibrated temperature control.

APPLICANT:

Ericsson Radio System AB

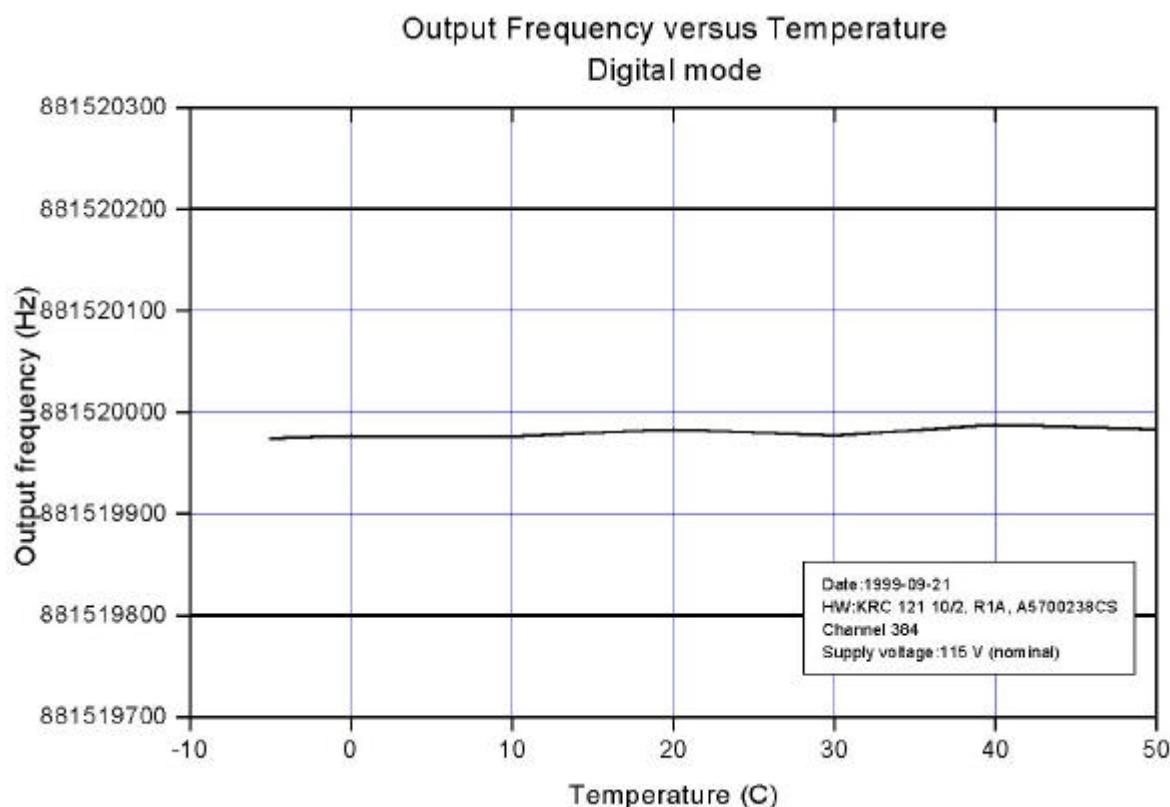
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY DATA PACKET MODE

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage: 115 V (nominal)

APPLICANT:  
Ericsson Radio System AB

FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY DATA PACKET MODE

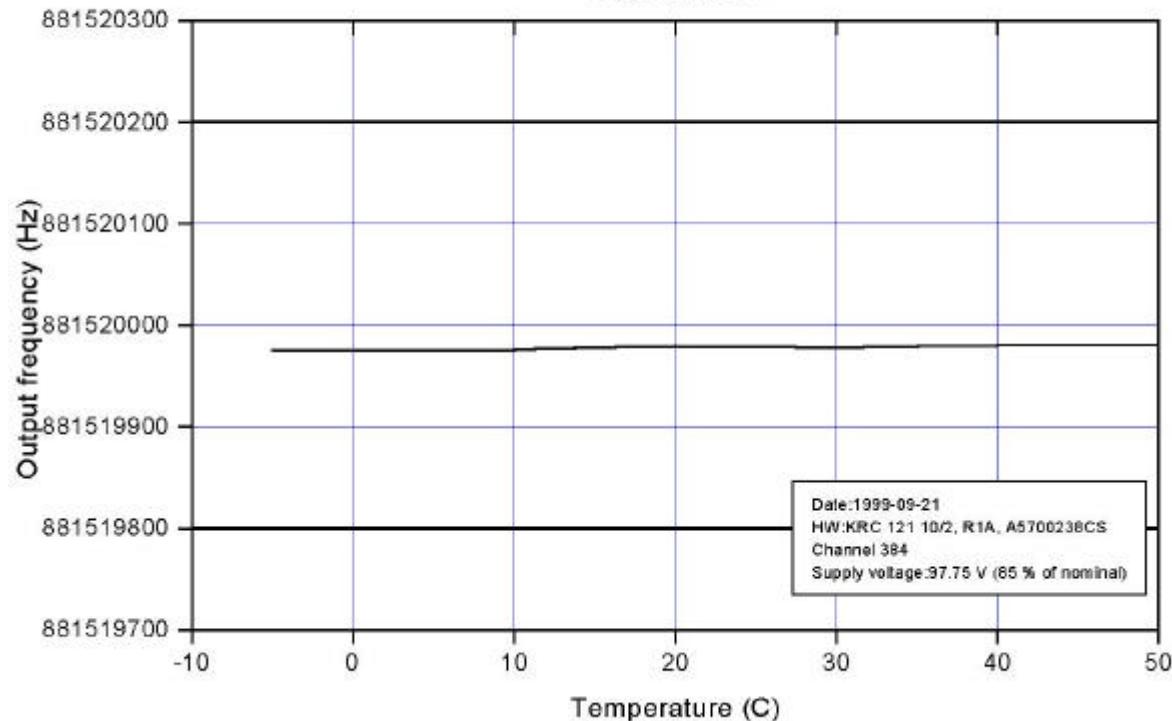
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2.1055

Output Frequency versus Temperature

Output Frequency versus Temperature  
Digital mode



Channel 384 Output Power 44.8 dBm  
Supply Voltage:97.75 V (85% of nominal)

APPLICANT:  
Ericsson Radio System AB

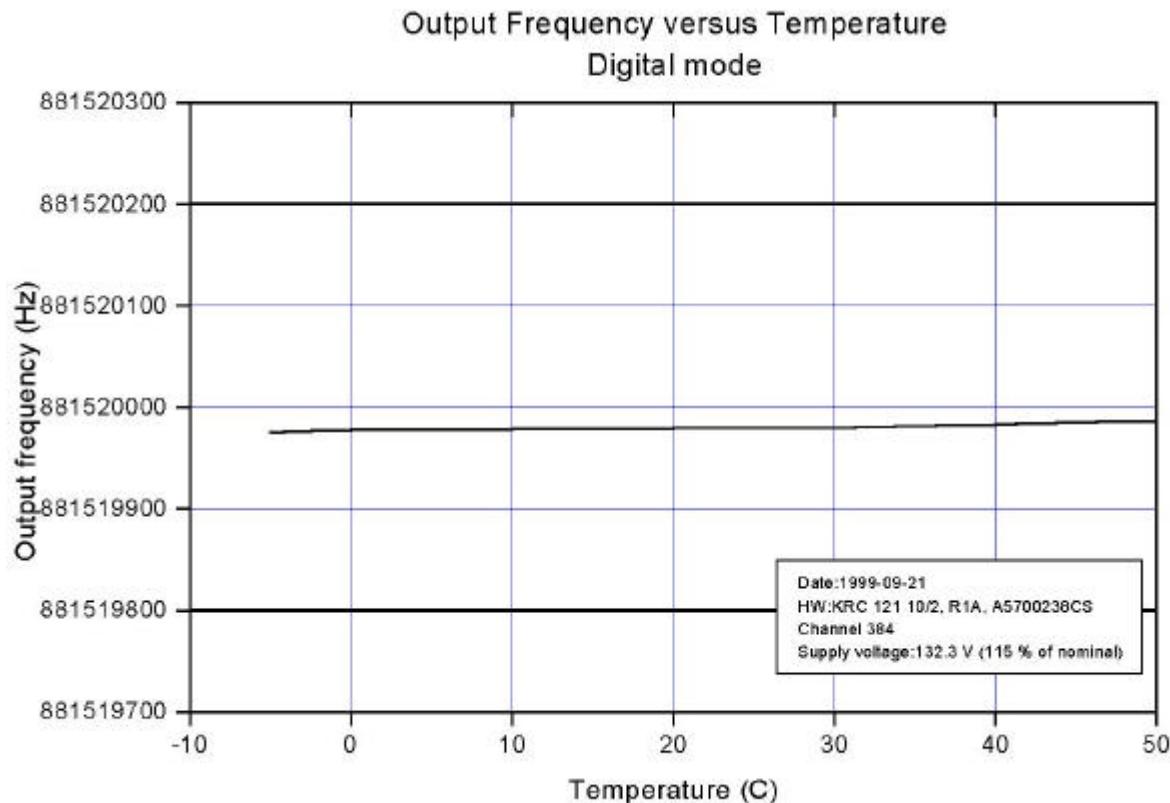
FCC ID NO.  
B5KKRC12110-31

FREQUENCY STABILITY DATA PACKET MODE

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2.1055 (a,b,d) Output Frequency versus Temperature



Channel 384 Output Power 44.8 dBm  
Supply Voltage: 132.3 V (115% of nominal)