

**TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE**

MODEL #: APX8000

02257-FCCIC-00020

Phase II

Battery: NNTN7034B

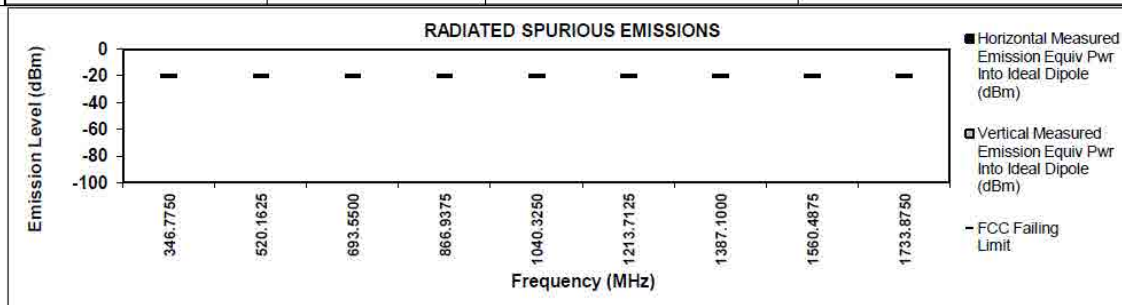
173.3875 MHz

12.5 kHz

6.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.7750	-20	**	**
520.1625	-20	**	**
693.5500	-20	**	**
866.9375	-20	**	**
1040.3250	-20	**	**
1213.7125	-20	**	**
1387.1000	-20	**	**
1560.4875	-20	**	**
1733.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 28, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

**Exhibit 6F- 17**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

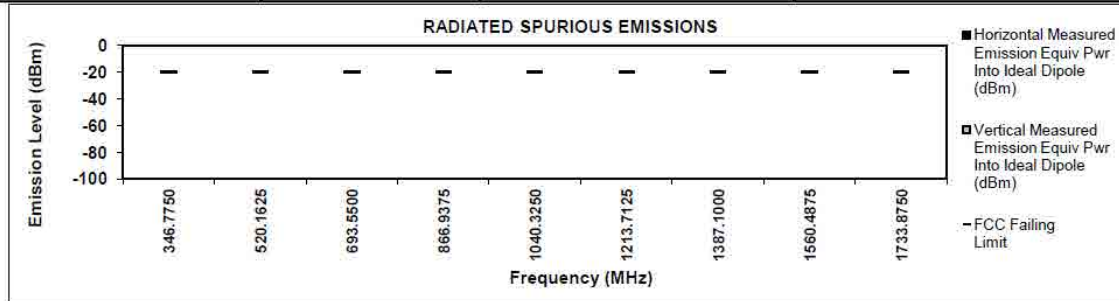
02257-FCCIC-00020

Phase II

1.0 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
173.3875 MHz	12.5 kHz		
346.7750	-20	**	**
520.1625	-20	**	**
693.5500	-20	**	**
866.9375	-20	**	**
1040.3250	-20	**	**
1213.7125	-20	**	**
1387.1000	-20	**	**
1560.4875	-20	**	**
1733.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 13, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

**Exhibit 6F- 18**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

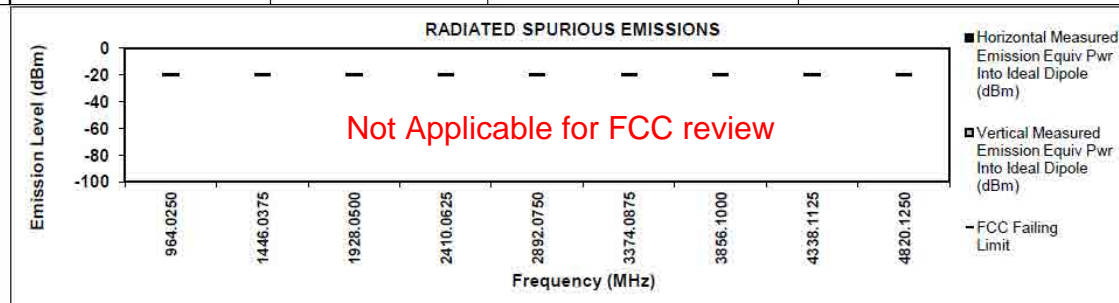
380.0125 MHz

12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.0250	-20	**	**
1140.0375	-20	**	**
1520.0500	-20	**	**
1900.0625	-20	**	**
2280.0750	-20	**	**
2660.0875	-20	**	**
3040.1000	-20	**	**
3420.1125	-20	**	**
3800.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

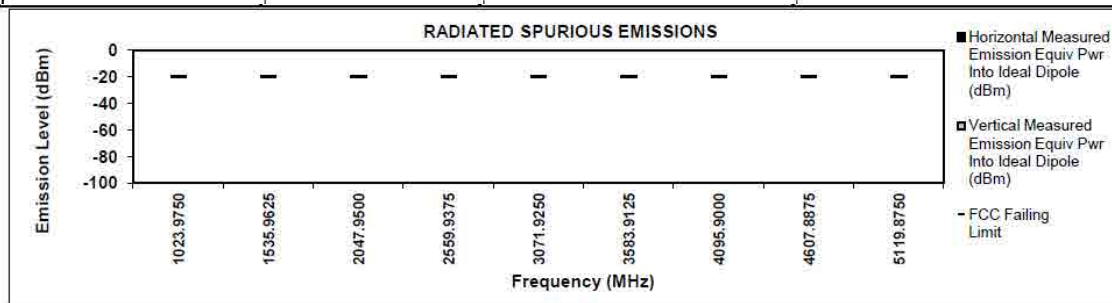
Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 19



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020  
 406.2 MHz 12.5 kHz 5.7 Watt(s)/Max Power S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.4000	-20	**	**
1218.6000	-20	**	**
1624.8000	-20	**	**
2031.0000	-20	**	**
2437.2000	-20	**	**
2843.4000	-20	**	**
3249.6000	-20	**	**
3655.8000	-20	**	**
4062.0000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results	Marginal Results	Failed Results
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Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 20**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

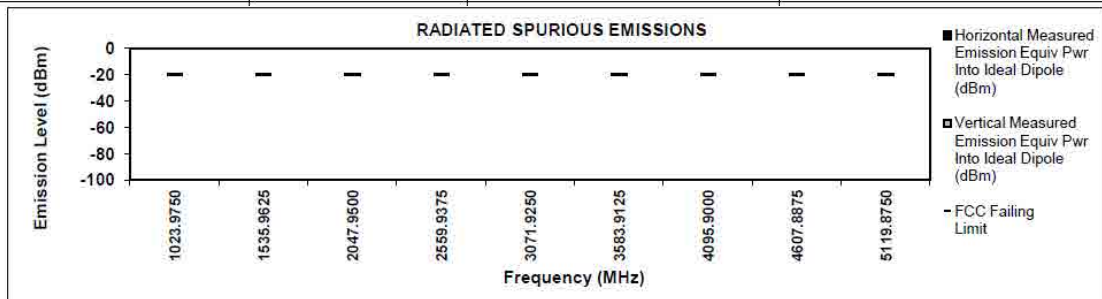
406.2 MHz

12.5 kHz

1.0 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.4000	-20	**	**
1218.6000	-20	**	**
1624.8000	-20	**	**
2031.0000	-20	**	**
2437.2000	-20	**	**
2843.4000	-20	**	**
3249.6000	-20	**	**
3655.8000	-20	**	**
4062.0000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 13, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

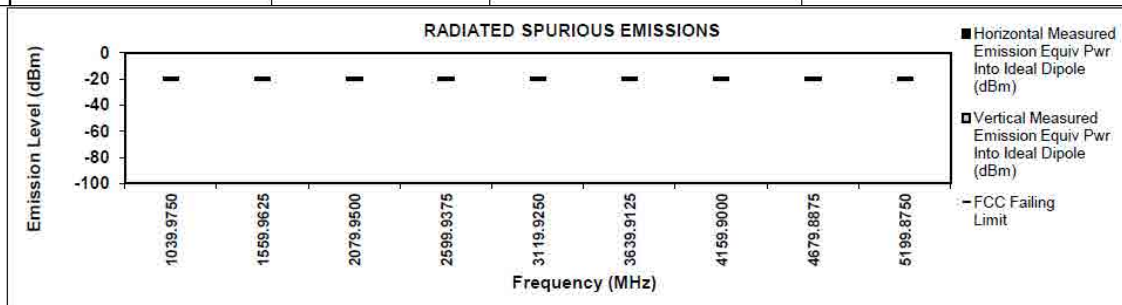
Failed Results

Exhibit 6F- 21



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020  
 450.025 MHz 12.5 kHz 5.7 Watt(s)/Max Power S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-20	**	**
1350.0750	-20	**	**
1800.1000	-20	**	**
2250.1250	-20	**	**
2700.1500	-20	**	**
3150.1750	-20	**	**
3600.2000	-20	**	**
4050.2250	-20	**	**
4500.2500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 22**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

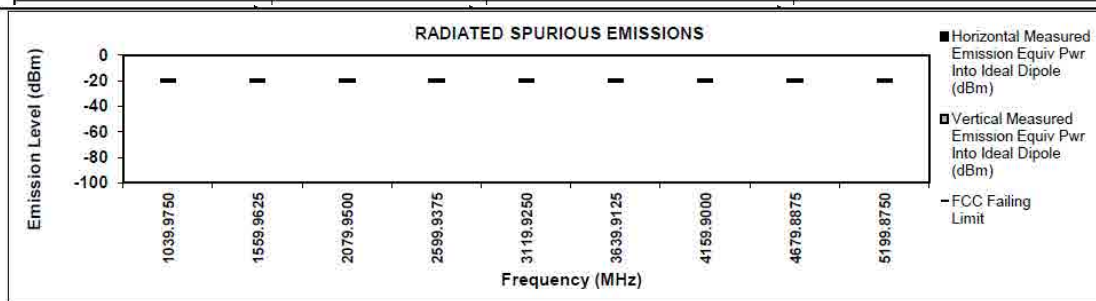
450.025 MHz

12.5 kHz

1.0 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-20	**	**
1350.0750	-20	**	**
1800.1000	-20	**	**
2250.1250	-20	**	**
2700.1500	-20	**	**
3150.1750	-20	**	**
3600.2000	-20	**	**
4050.2250	-20	**	**
4500.2500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 13, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

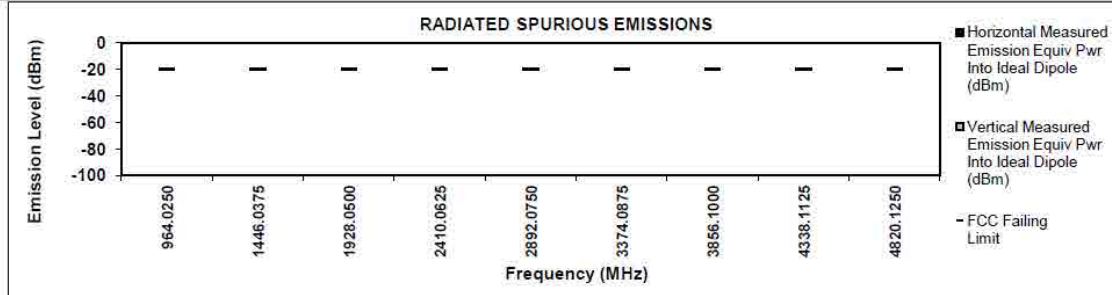
Failed Results

Exhibit 6F- 23



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020  
 459.125 MHz 12.5 kHz 5.7 Watt(s)/Max Power S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
918.2500	-20	**	**
1377.3750	-20	**	**
1836.5000	-20	**	**
2295.6250	-20	**	**
2754.7500	-20	**	**
3213.8750	-20	**	**
3673.0000	-20	**	**
4132.1250	-20	**	**
4591.2500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\* Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results	Marginal Results	Failed Results
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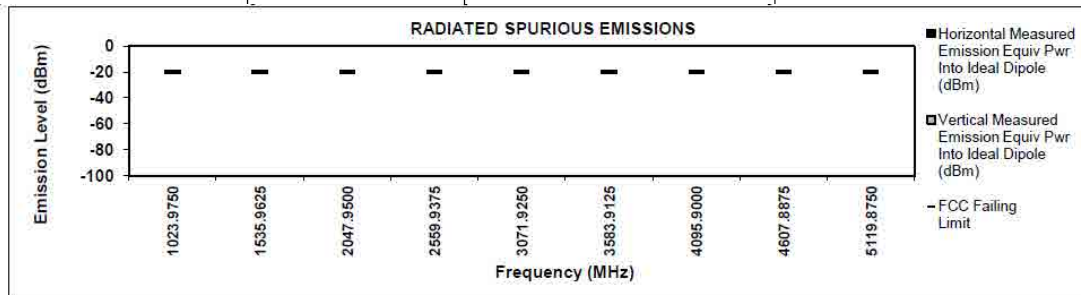
Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 24**



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020

467.775 MHz	12.5 kHz	5.7 Watt(s)/Max Power	S/N: KT000006A01MK410M8
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
935.5500	-20	**	**
1403.3250	-20	**	**
1871.1000	-20	**	**
2338.8750	-20	**	**
2806.6500	-20	**	**
3274.4250	-20	**	**
3742.2000	-20	**	**
4209.9750	-20	**	**
4677.7500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\* Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Motorola Solutions.

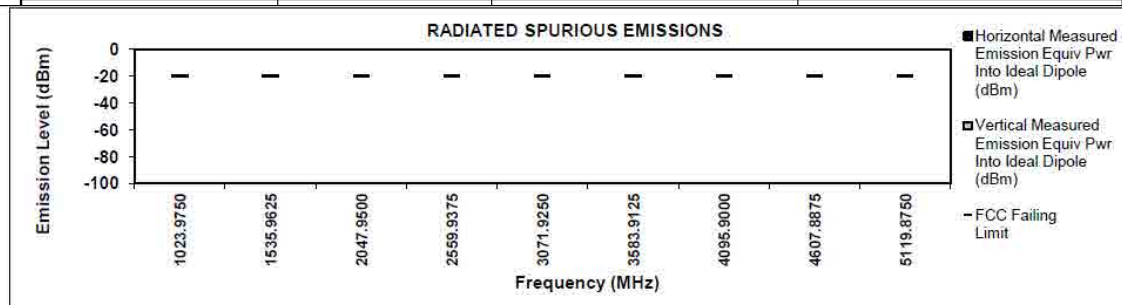
FCC ID: AZ489FT5861

**Exhibit 6F- 25**



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020  
 467.775 MHz 12.5 kHz 1.0 Watt(s)/Low Power S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
935.5500	-20	**	**
1403.3250	-20	**	**
1871.1000	-20	**	**
2338.8750	-20	**	**
2806.6500	-20	**	**
3274.4250	-20	**	**
3742.2000	-20	**	**
4209.9750	-20	**	**
4677.7500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 13, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

**Exhibit 6F- 26**



MODEL #: APX8000  
02257-FCCIC-00020

Digital C4FM

Battery: NNTN7034B

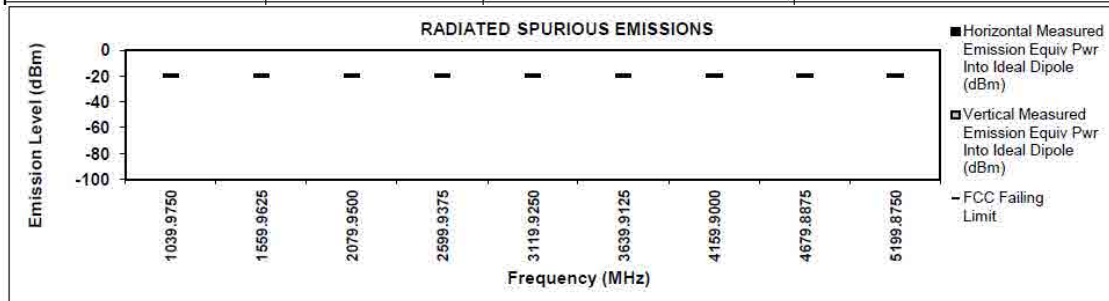
469.9875 MHz

12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	**	**
1409.9625	-20	**	**
1879.9500	-20	**	**
2349.9375	-20	**	**
2819.9250	-20	**	**
3289.9125	-20	**	**
3759.9000	-20	**	**
4229.8875	-20	**	**
4699.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 27



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

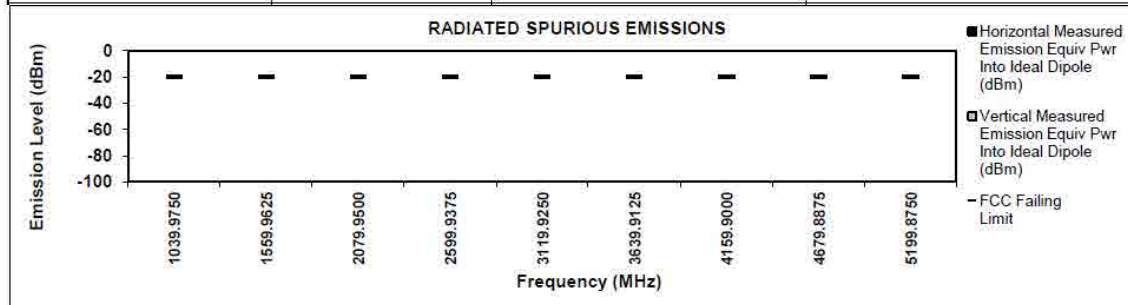
469.9875 MHz

12.5 kHz

1.0 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	**	**
1409.9625	-20	**	**
1879.9500	-20	**	**
2349.9375	-20	**	**
2819.9250	-20	**	**
3289.9125	-20	**	**
3759.9000	-20	**	**
4229.8875	-20	**	**
4699.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 13, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

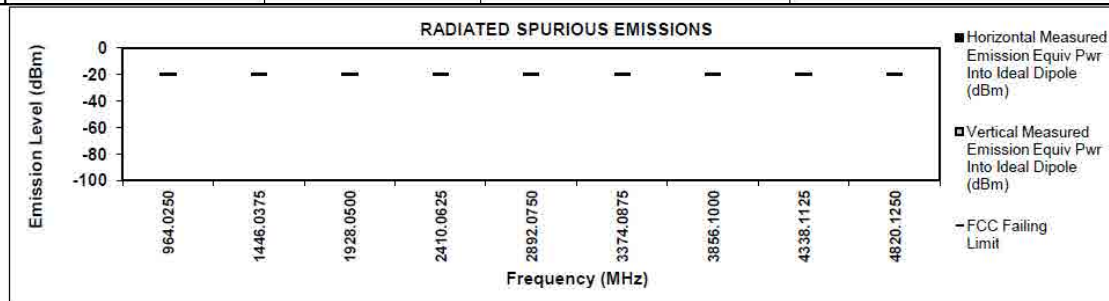
Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 28**



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020  
 482.0125 MHz 12.5 kHz 5.7 Watt(s)/Max Power S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
964.0250	-20	**	**
1446.0375	-20	**	**
1928.0500	-20	**	**
2410.0625	-20	**	**
2892.0750	-20	**	**
3374.0875	-20	**	**
3856.1000	-20	**	**
4338.1125	-20	**	**
4820.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results	Marginal Results	Temp(Deg): 22.4 Hum(%RH): 69.0 Failed Results
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**Exhibit 6F- 29**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

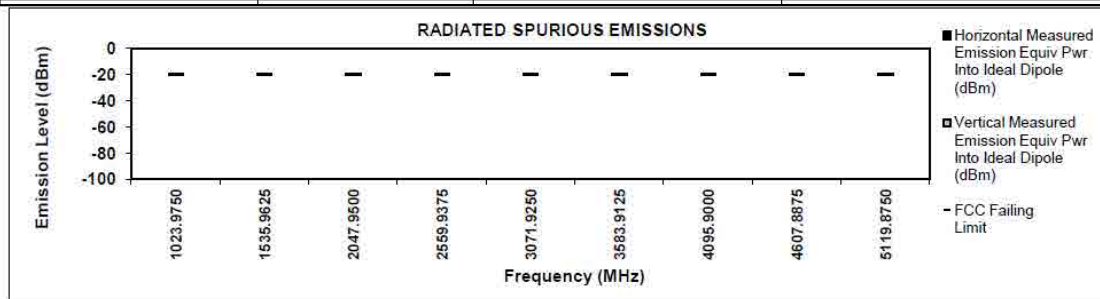
511.9875 MHz

12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1023.9750	-20	**	**
1535.9625	-20	**	**
2047.9500	-20	**	**
2559.9375	-20	**	**
3071.9250	-20	**	**
3583.9125	-20	**	**
4095.9000	-20	**	**
4607.8875	-20	**	**
5119.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 30



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

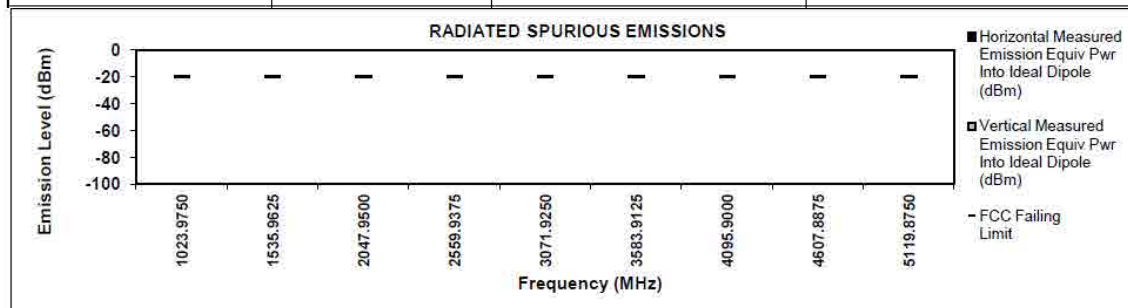
511.9875 MHz

12.5 kHz

1.0 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1023.9750	-20	**	**
1535.9625	-20	**	**
2047.9500	-20	**	**
2559.9375	-20	**	**
3071.9250	-20	**	**
3583.9125	-20	**	**
4095.9000	-20	**	**
4607.8875	-20	**	**
5119.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 13, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

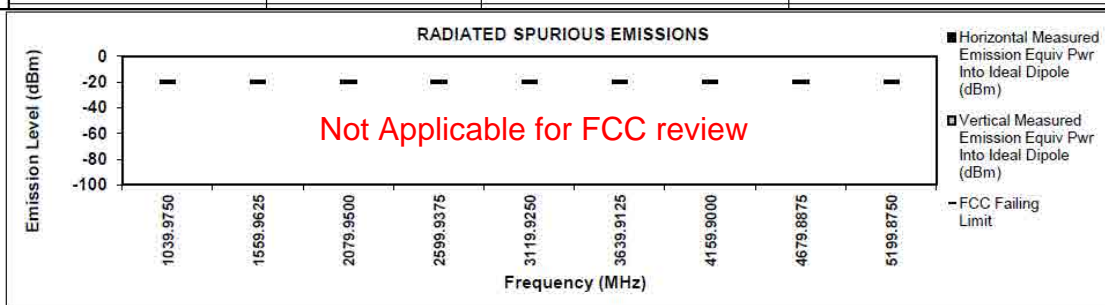
Failed Results

Exhibit 6F- 31



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020

519.9875 MHz	12.5 kHz	5.7 Watt(s)/Max Power	S/N: KT000006A01MK410M8
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	**	**
1559.9625	-20	**	**
2079.9500	-20	**	**
2599.9375	-20	**	**
3119.9250	-20	**	**
3639.9125	-20	**	**
4159.9000	-20	**	**
4679.8875	-20	**	**
5199.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 18, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results	Marginal Results	Temp(Deg): 22.4 Hum(%RH): 69.0 Failed Results
----------------	------------------	--

**Exhibit 6F- 32**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

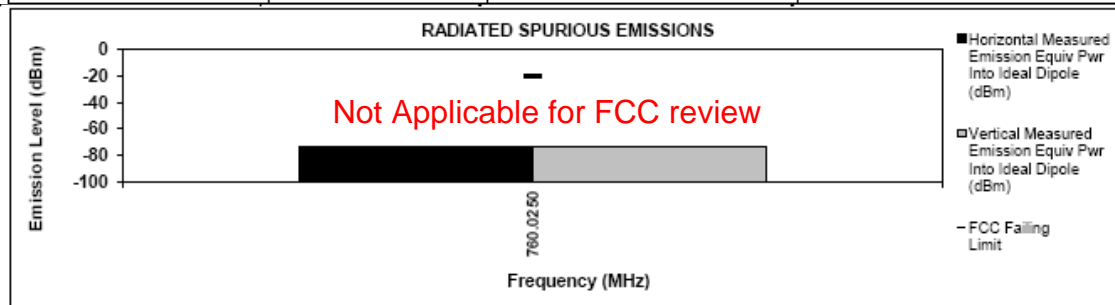
02257-FCCIC-00020

Phase II  
12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.0250	-20	-73.24	-74.01



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 33

## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

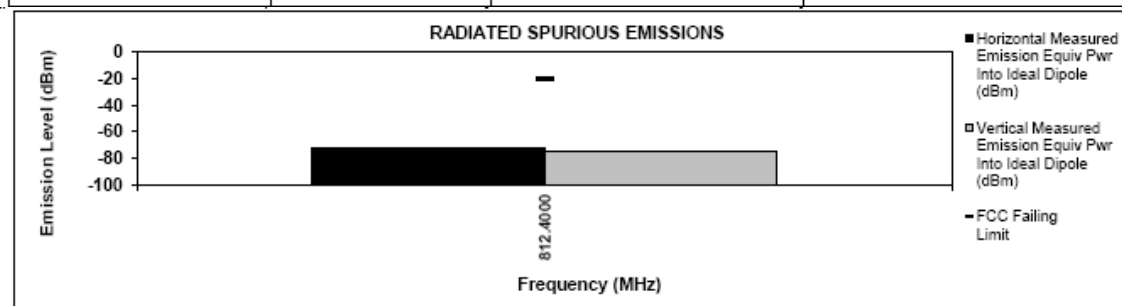
02257-FCCIC-00020

Phase II  
12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.4000	-20	-72.43	-75.03



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 34



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

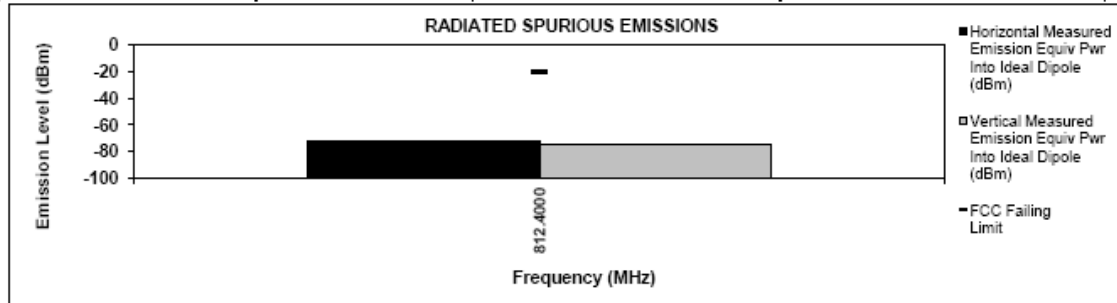
02257-FCCIC-00020

Phase II

1 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
406.2 MHz	12.5 kHz		
812.4000	-20	-72.43	-75.03



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 35

## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

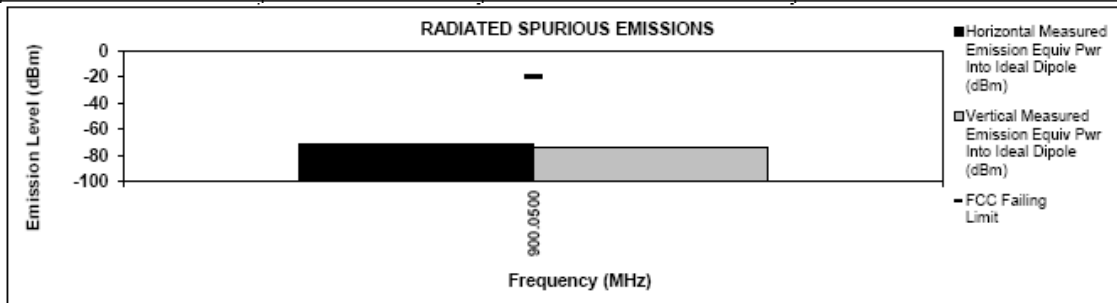
02257-FCCIC-00020

Phase II

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
450.025 MHz	12.5 kHz		
900.0500	-20	-71.75	-73.57



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 36



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

02257-FCCIC-00020

Phase II

Battery: NNTN7034B

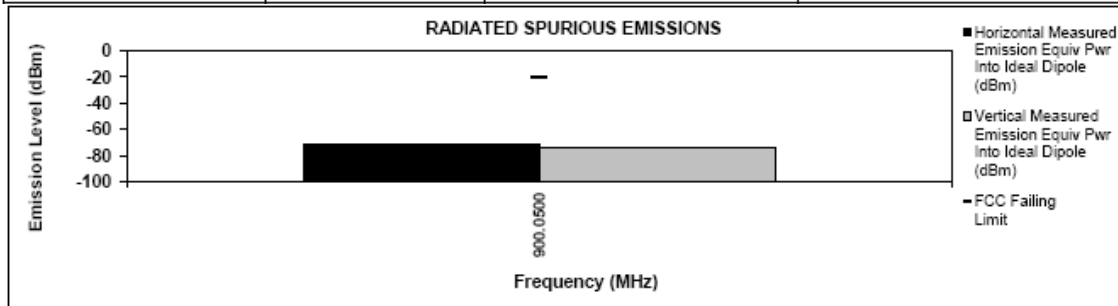
450.025 MHz

12.5 kHz

1 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-20	-71.75	-73.57



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

**Exhibit 6F- 37**

## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

02257-FCCIC-00020

Phase II

Battery: NNTN7034B

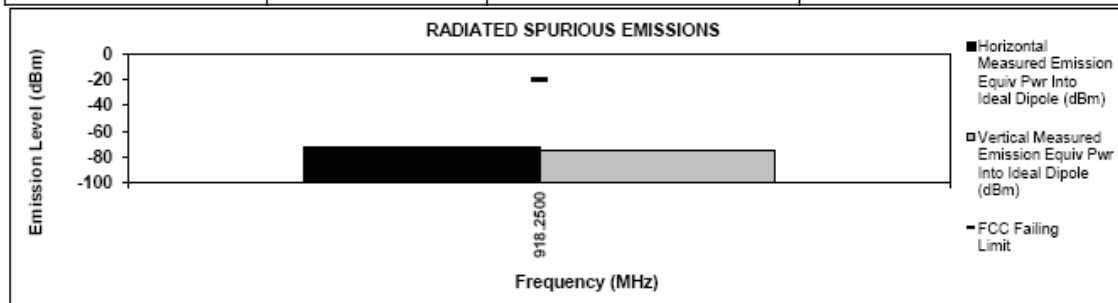
459.125 MHz

12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
918.2500	-20	-72.05	-74.44



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

**Exhibit 6F- 38**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

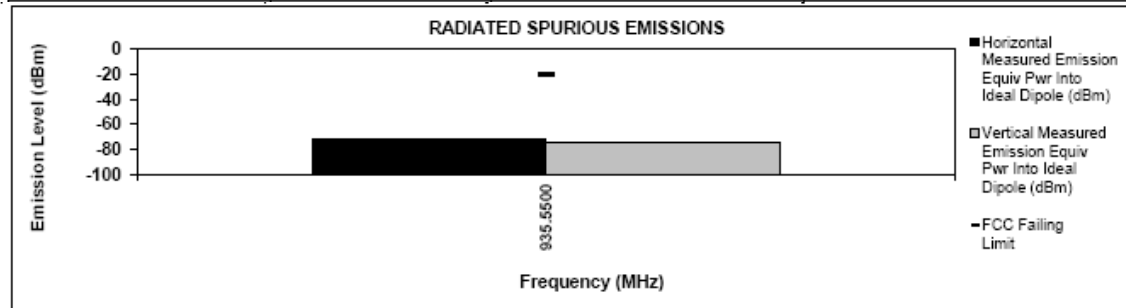
467.775 MHz

12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
935.5500	-20	-72.01	-74.42



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 39

## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

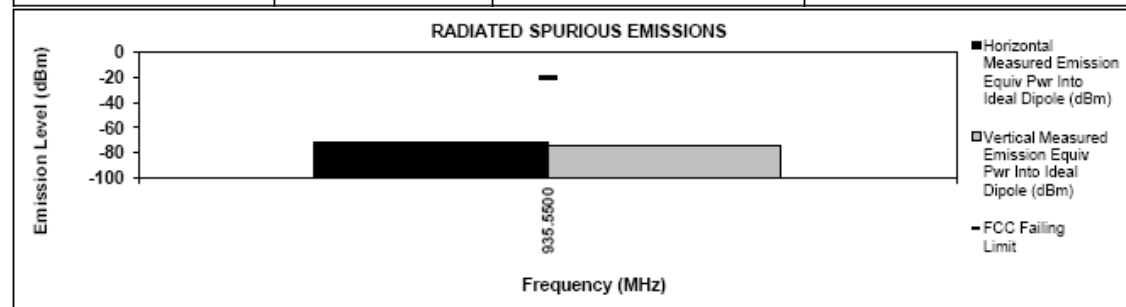
467.775 MHz

12.5 kHz

1 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
935.5500	-20	-72.01	-74.42



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 40



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

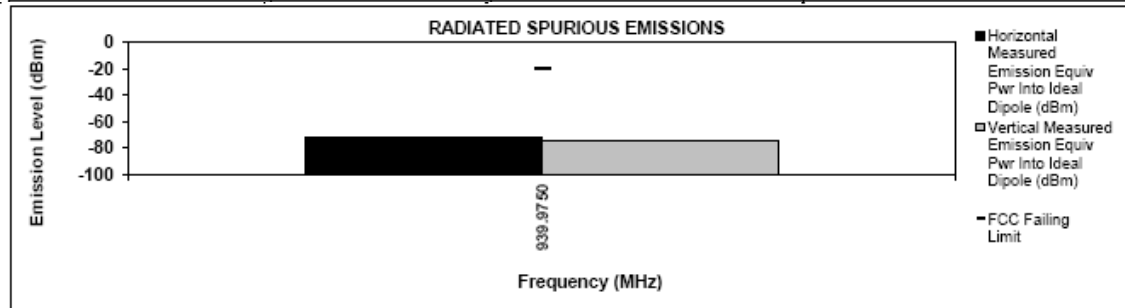
469.9875 MHz

12.5 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	-72.08	-74.57



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 41

## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

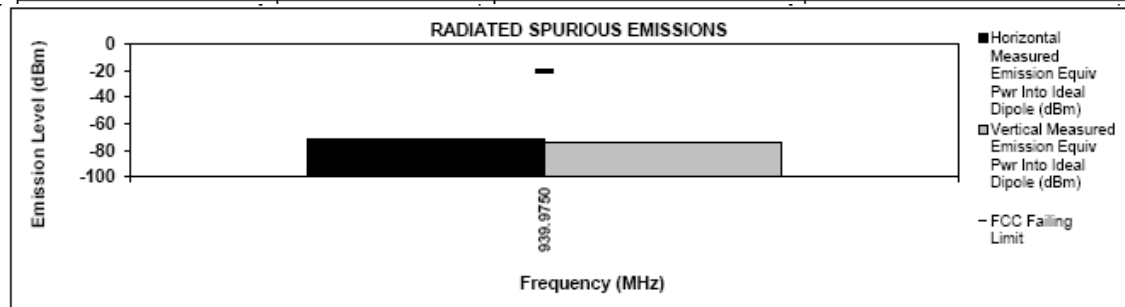
469.9875 MHz

12.5 kHz

1 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	-72.08	-74.57



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

## Exhibit 6F- 42



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

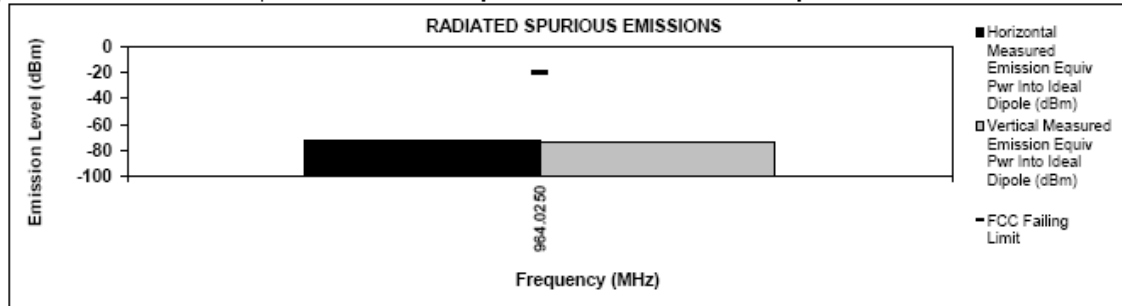
02257-FCCIC-00020

Phase II

5.7 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
964.0250	-20	-71.85	-73.47



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

January 2, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

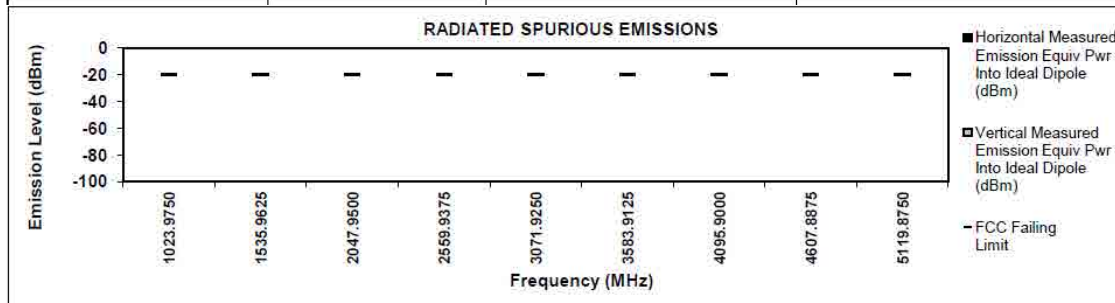
Failed Results

**Exhibit 6F- 43**



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000  
 02257-FCCIC-00020  
 511.9875 MHz  
 Phase II  
 12.5 kHz  
 5.7 Watt(s)/Max Power  
 Battery: NNTN7034B  
 S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1023.9750	-20	**	**
1535.9625	-20	**	**
2047.9500	-20	**	**
2559.9375	-20	**	**
3071.9250	-20	**	**
3583.9125	-20	**	**
4095.9000	-20	**	**
4607.8875	-20	**	**
5119.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

**Exhibit 6F- 44**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

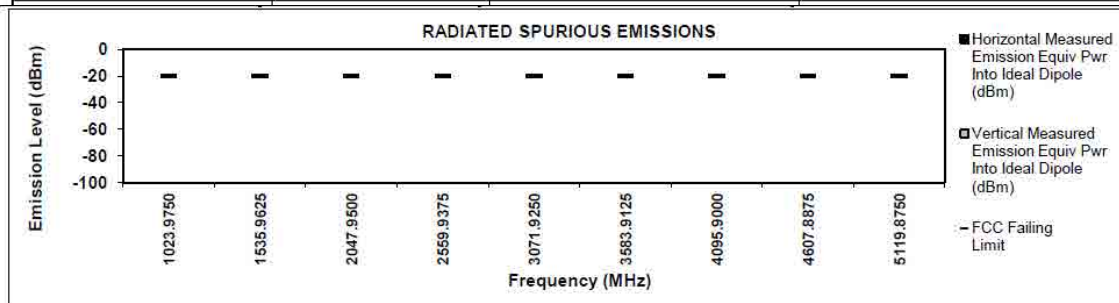
511.9875 MHz

12.5 kHz

1 Watt(s)/Low Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1023.9750	-20	**	**
1535.9625	-20	**	**
2047.9500	-20	**	**
2559.9375	-20	**	**
3071.9250	-20	**	**
3583.9125	-20	**	**
4095.9000	-20	**	**
4607.8875	-20	**	**
5119.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

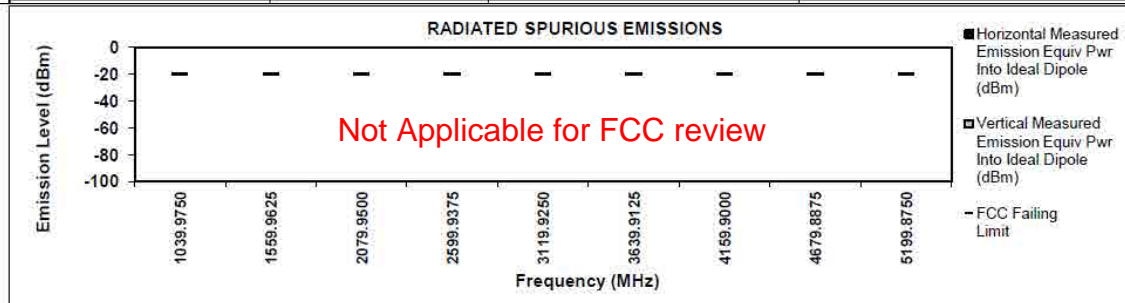
Failed Results

Exhibit 6F- 45



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000  
 02257-FCCIC-00020  
 519.9875 MHz  
 Phase II  
 12.5 kHz  
 5.7 Watt(s)/Max Power  
 Battery: NNTN7034B  
 S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	**	**
1559.9625	-20	**	**
2079.9500	-20	**	**
2599.9375	-20	**	**
3119.9250	-20	**	**
3639.9125	-20	**	**
4159.9000	-20	**	**
4679.8875	-20	**	**
5199.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 46**



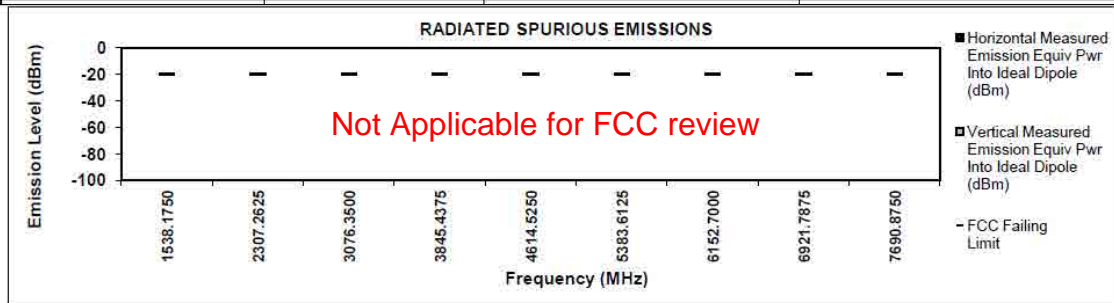
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

764.0125 MHz	12.5 kHz	2.99 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.0250	-20	**	**
2292.0375	-20	**	**
3056.0500	-20	**	**
3820.0625	-20	**	**
4584.0750	-20	**	**
5348.0875	-20	**	**
6112.1000	-20	**	**
6876.1125	-20	**	**
7640.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 47



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

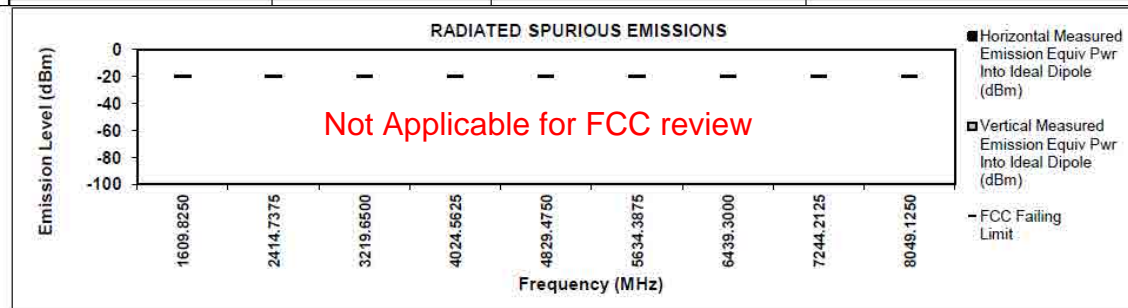
768.0125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1536.0250	-20	**	**
2304.0375	-20	**	**
3072.0500	-20	**	**
3840.0625	-20	**	**
4608.0750	-20	**	**
5376.0875	-20	**	**
6144.1000	-20	**	**
6912.1125	-20	**	**
7680.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 48



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

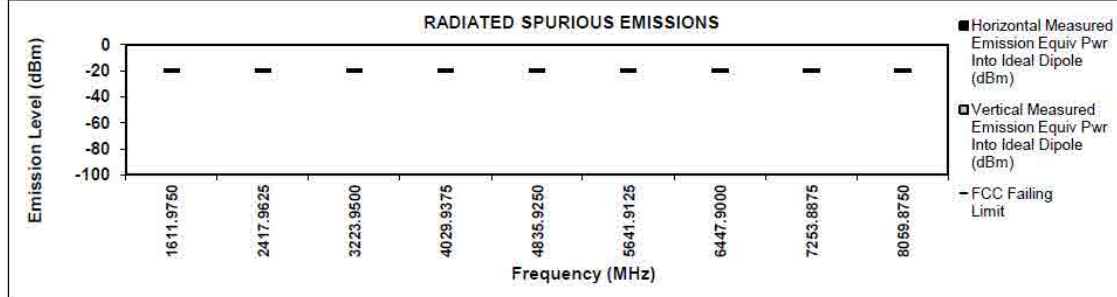
769.0125 MHz

12.5 kHz

2 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.0250	-20	**	**
2307.0375	-20	**	**
3076.0500	-20	**	**
3845.0625	-20	**	**
4614.0750	-20	**	**
5383.0875	-20	**	**
6152.1000	-20	**	**
6921.1125	-20	**	**
7690.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 49



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

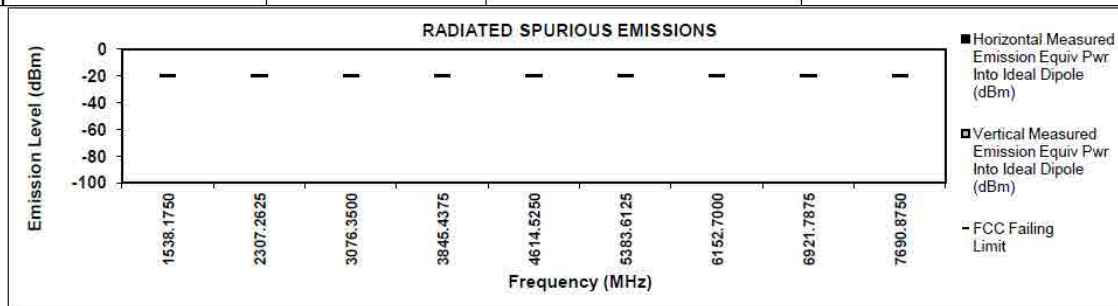
769.0875 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.1750	-20	**	**
2307.2625	-20	**	**
3076.3500	-20	**	**
3845.4375	-20	**	**
4614.5250	-20	**	**
5383.6125	-20	**	**
6152.7000	-20	**	**
6921.7875	-20	**	**
7690.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 50



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

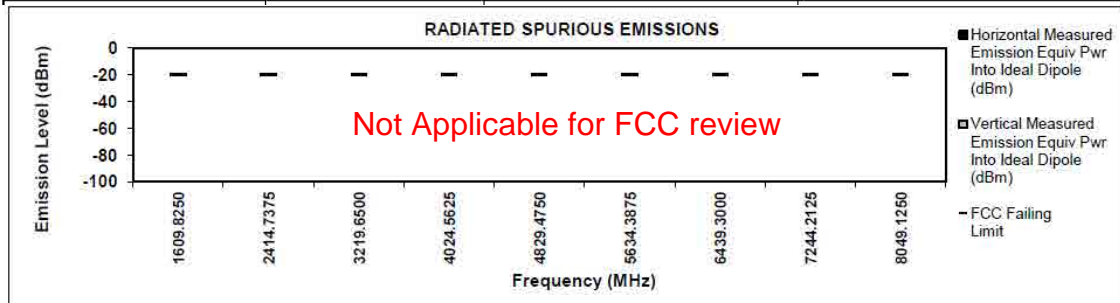
804.9125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1609.8250	-20	**	**
2414.7375	-20	**	**
3219.6500	-20	**	**
4024.5625	-20	**	**
4829.4750	-20	**	**
5634.3875	-20	**	**
6439.3000	-20	**	**
7244.2125	-20	**	**
8049.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 51



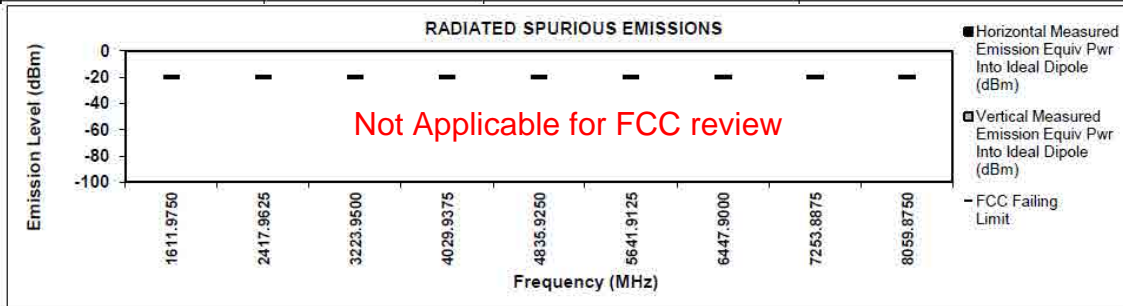
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

805.9875 MHz	12.5 kHz	2.99 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-20	**	**
2417.9625	-20	**	**
3223.9500	-20	**	**
4029.9375	-20	**	**
4835.9250	-20	**	**
5641.9125	-20	**	**
6447.9000	-20	**	**
7253.8875	-20	**	**
8059.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 52



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

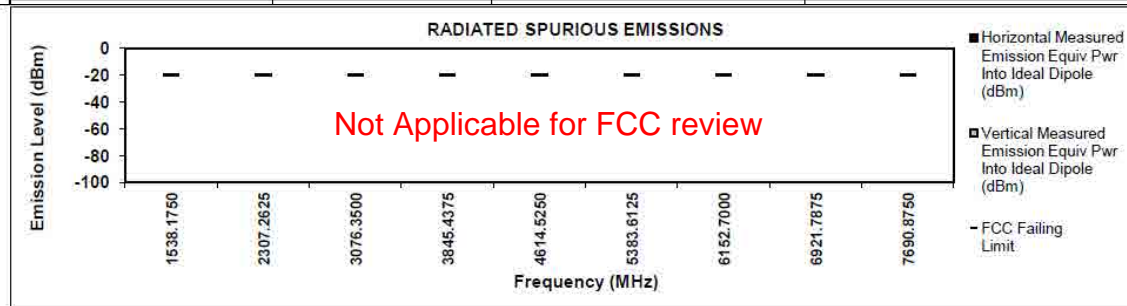
764.0125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.0250	-20	**	**
2292.0375	-20	**	**
3056.0500	-20	**	**
3820.0625	-20	**	**
4584.0750	-20	**	**
5348.0875	-20	**	**
6112.1000	-20	**	**
6876.1125	-20	**	**
7640.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 19, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 53



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

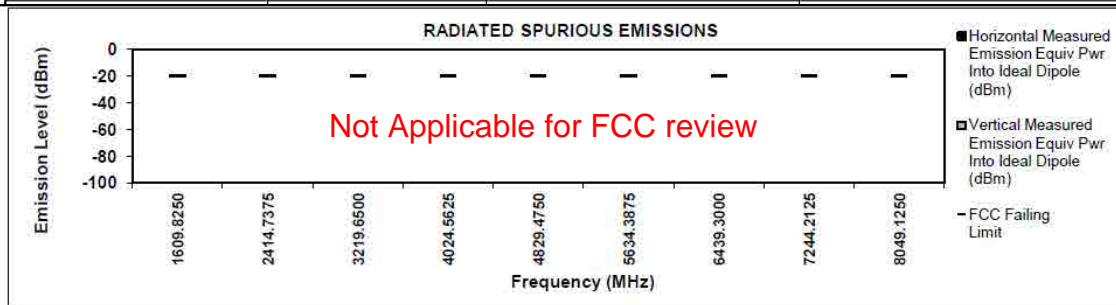
768.0125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1536.0250	-20	**	**
2304.0375	-20	**	**
3072.0500	-20	**	**
3840.0625	-20	**	**
4608.0750	-20	**	**
5376.0875	-20	**	**
6144.1000	-20	**	**
6912.1125	-20	**	**
7680.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 19, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 54



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

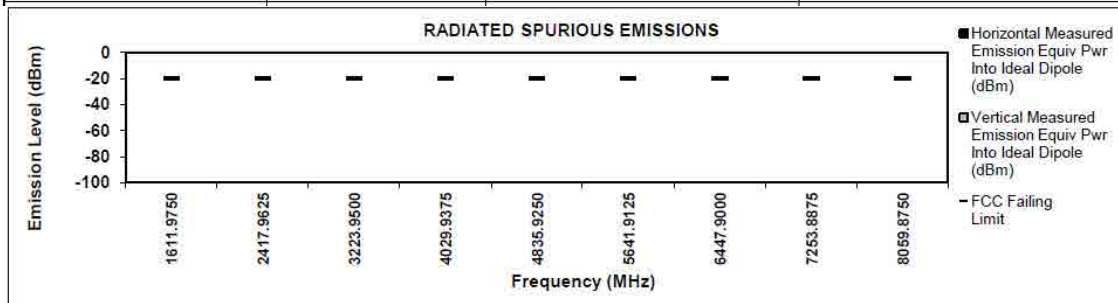
769.0125 MHz

12.5 kHz

2.00 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.0250	-20	**	**
2307.0375	-20	**	**
3076.0500	-20	**	**
3845.0625	-20	**	**
4614.0750	-20	**	**
5383.0875	-20	**	**
6152.1000	-20	**	**
6921.1125	-20	**	**
7690.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 19, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

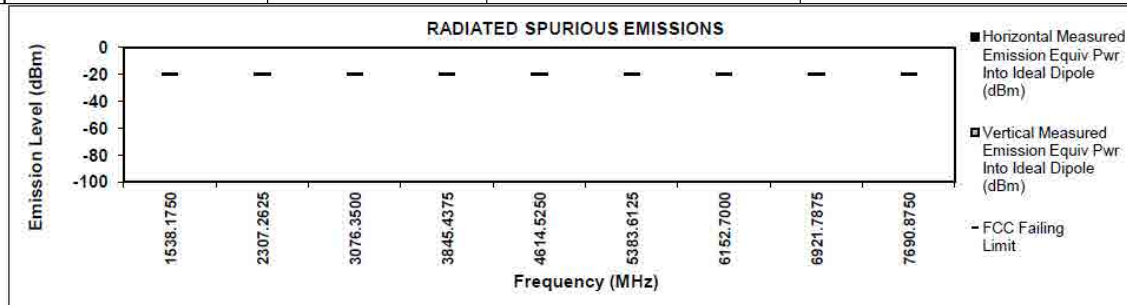
Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 55



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.1750	-20	**	**
2307.2625	-20	**	**
3076.3500	-20	**	**
3845.4375	-20	**	**
4614.5250	-20	**	**
5383.6125	-20	**	**
6152.7000	-20	**	**
6921.7875	-20	**	**
7690.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 19, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 56**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

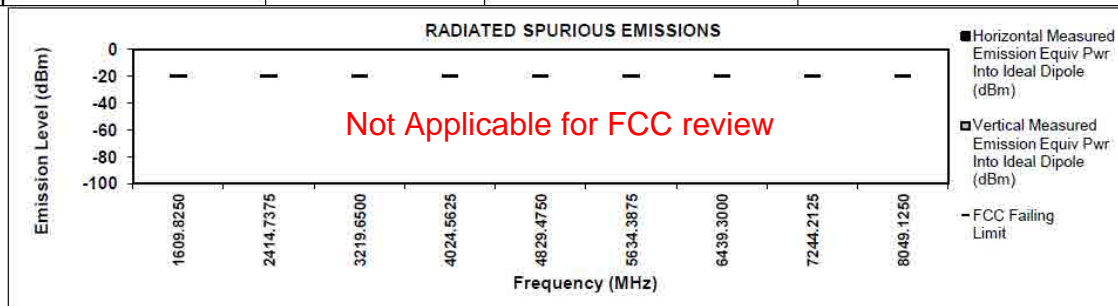
804.9125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1609.8250	-20	**	**
2414.7375	-20	**	**
3219.6500	-20	**	**
4024.5625	-20	**	**
4829.4750	-20	**	**
5634.3875	-20	**	**
6439.3000	-20	**	**
7244.2125	-20	**	**
8049.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 19, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 57



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

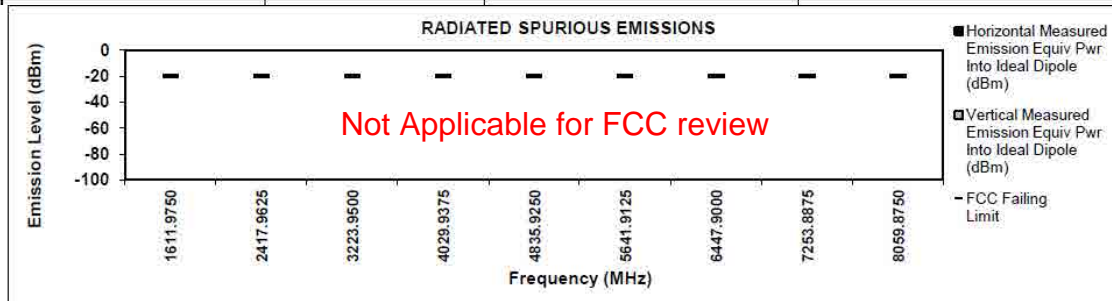
805.9875 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-20	**	**
2417.9625	-20	**	**
3223.9500	-20	**	**
4029.9375	-20	**	**
4835.9250	-20	**	**
5641.9125	-20	**	**
6447.9000	-20	**	**
7253.8875	-20	**	**
8059.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 19, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Temp(Deg): 22.4 Hum(%RH): 69.0

Passed Results

Marginal Results

Failed Results

Exhibit 6F- 58



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

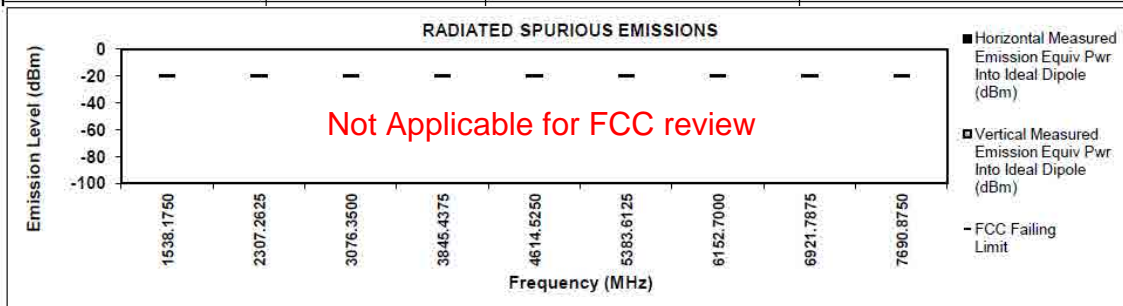
764.0125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1528.0250	-20	**	**
2292.0375	-20	**	**
3056.0500	-20	**	**
3820.0625	-20	**	**
4584.0750	-20	**	**
5348.0875	-20	**	**
6112.1000	-20	**	**
6876.1125	-20	**	**
7640.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 59



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

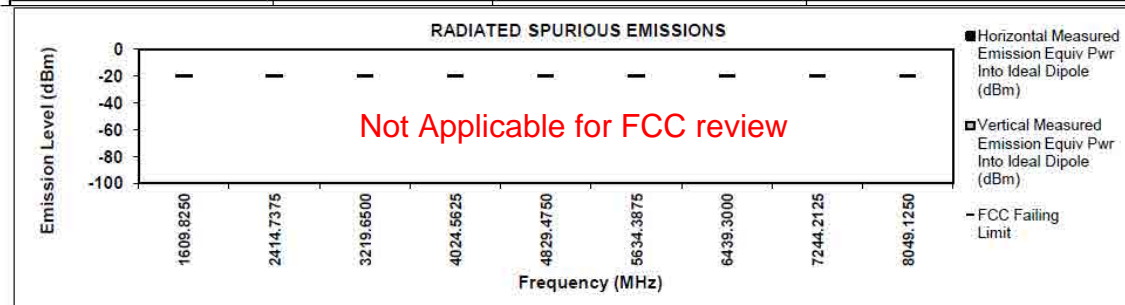
768.0125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1536.0250	-20	**	**
2304.0375	-20	**	**
3072.0500	-20	**	**
3840.0625	-20	**	**
4608.0750	-20	**	**
5376.0875	-20	**	**
6144.1000	-20	**	**
6912.1125	-20	**	**
7680.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 60



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

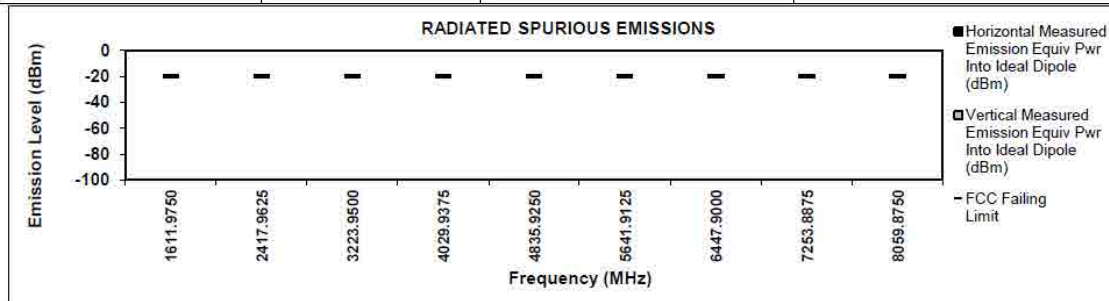
02257-FCCIC-00020

Phase II

2.00 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
769.0125 MHz	12.5 kHz		
1538.0250	-20	**	**
2307.0375	-20	**	**
3076.0500	-20	**	**
3845.0625	-20	**	**
4614.0750	-20	**	**
5383.0875	-20	**	**
6152.1000	-20	**	**
6921.1125	-20	**	**
7690.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 61



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

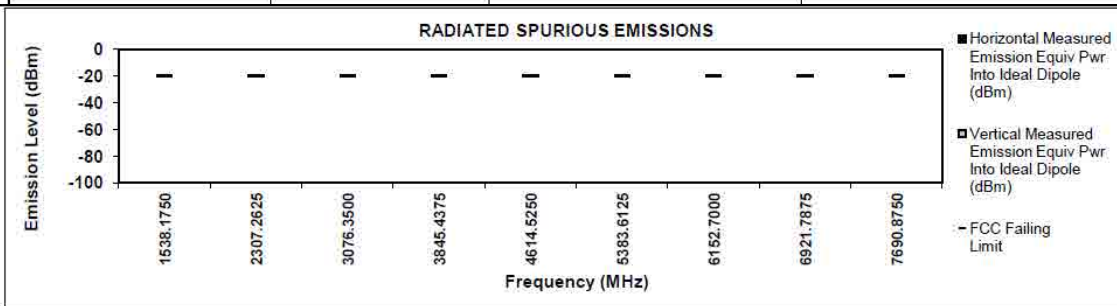
769.0875 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1538.1750	-20	**	**
2307.2625	-20	**	**
3076.3500	-20	**	**
3845.4375	-20	**	**
4614.5250	-20	**	**
5383.6125	-20	**	**
6152.7000	-20	**	**
6921.7875	-20	**	**
7690.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 62



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

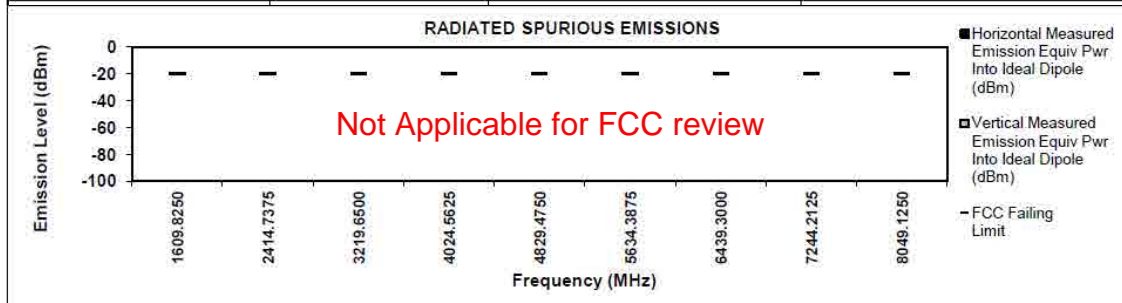
804.9125 MHz

12.5 kHz

2.99 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1609.8250	-20	**	**
2414.7375	-20	**	**
3219.6500	-20	**	**
4024.5625	-20	**	**
4829.4750	-20	**	**
5634.3875	-20	**	**
6439.3000	-20	**	**
7244.2125	-20	**	**
8049.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

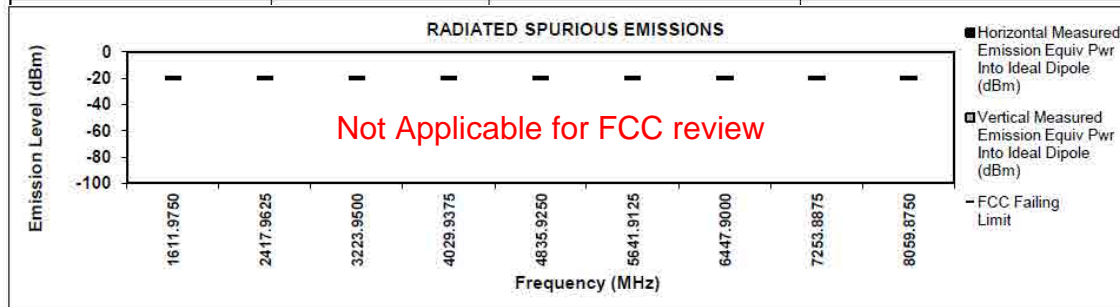
Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 63



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000  
 02257-FCCIC-00020  
 805.9875 MHz  
 Phase II  
 12.5 kHz  
 2.99 Watt(s)/Max Power  
 Battery: NNTN7034B  
 S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1611.9750	-20	**	**
2417.9625	-20	**	**
3223.9500	-20	**	**
4029.9375	-20	**	**
4835.9250	-20	**	**
5641.9125	-20	**	**
6447.9000	-20	**	**
7253.8875	-20	**	**
8059.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 30, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 64**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

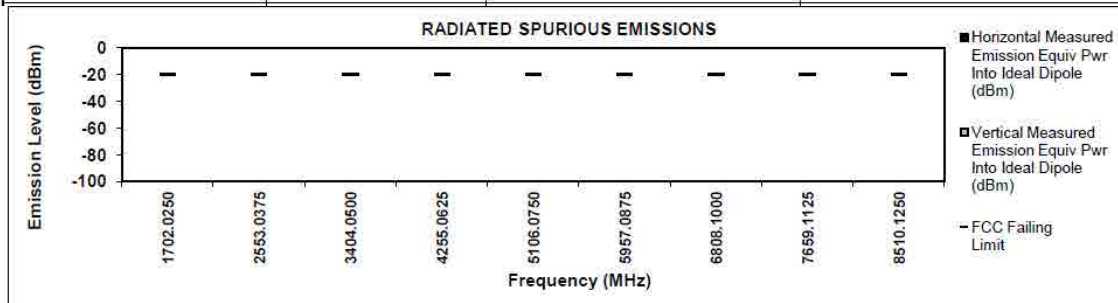
806.0125 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-20	**	**
2418.0375	-20	**	**
3224.0500	-20	**	**
4030.0625	-20	**	**
4836.0750	-20	**	**
5642.0875	-20	**	**
6448.1000	-20	**	**
7254.1125	-20	**	**
8060.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 22, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 65



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

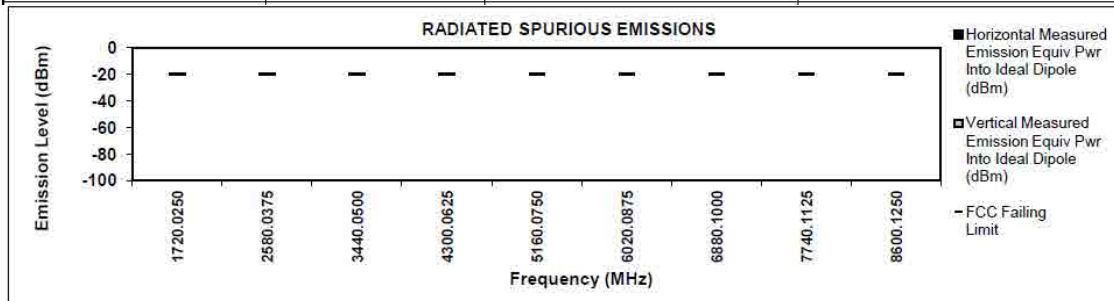
814.9875 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1629.9750	-20	**	**
2444.9625	-20	**	**
3259.9500	-20	**	**
4074.9375	-20	**	**
4889.9250	-20	**	**
5704.9125	-20	**	**
6519.9000	-20	**	**
7334.8875	-20	**	**
8149.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 22, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 66



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

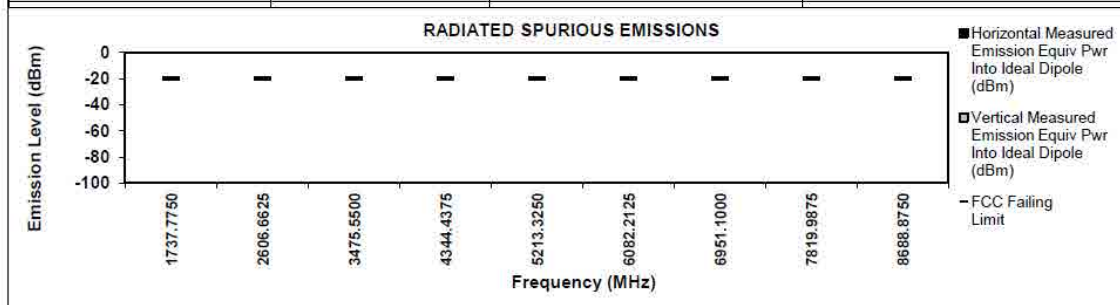
823.9875 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-20	**	**
2471.9625	-20	**	**
3295.9500	-20	**	**
4119.9375	-20	**	**
4943.9250	-20	**	**
5767.9125	-20	**	**
6591.9000	-20	**	**
7415.8875	-20	**	**
8239.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 22, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 67



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

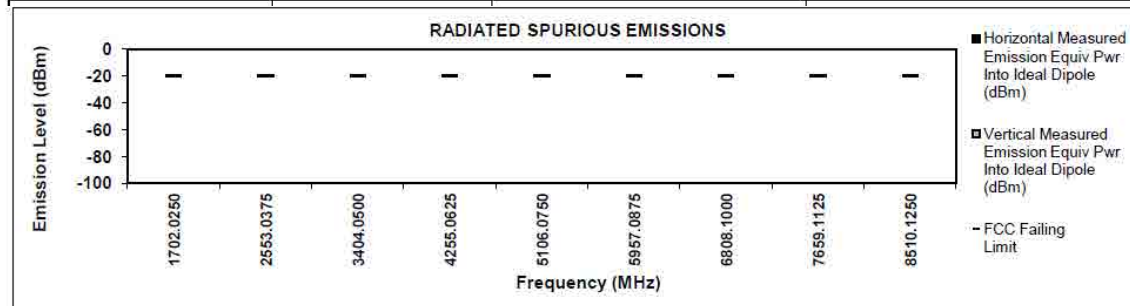
851.0125 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1702.0250	-20	**	**
2553.0375	-20	**	**
3404.0500	-20	**	**
4255.0625	-20	**	**
5106.0750	-20	**	**
5957.0875	-20	**	**
6808.1000	-20	**	**
7659.1125	-20	**	**
8510.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 22, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 68



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Digital C4FM

Battery: NNTN7034B

02257-FCCIC-00020

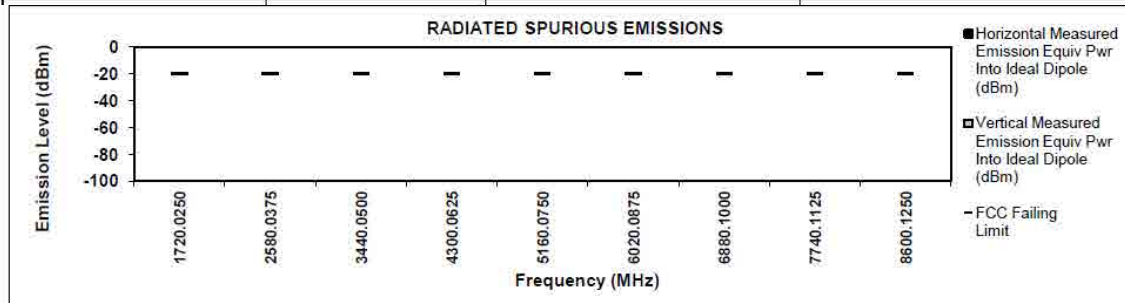
860.0125 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1720.0250	-20	**	**
2580.0375	-20	**	**
3440.0500	-20	**	**
4300.0625	-20	**	**
5160.0750	-20	**	**
6020.0875	-20	**	**
6880.1000	-20	**	**
7740.1125	-20	**	**
8600.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 22, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

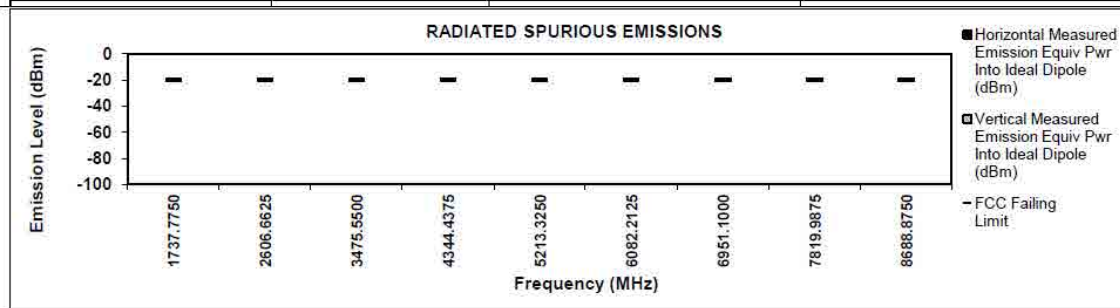
Failed Results

**Exhibit 6F- 69**



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000 Digital C4FM Battery: NNTN7034B  
 02257-FCCIC-00020  
 868.8875 MHz 12.5 kHz 3.6 Watt(s)/Max Power S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.7750	-20	**	**
2606.6625	-20	**	**
3475.5500	-20	**	**
4344.4375	-20	**	**
5213.3250	-20	**	**
6082.2125	-20	**	**
6951.1000	-20	**	**
7819.9875	-20	**	**
8688.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 22, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

**Exhibit 6F- 70**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

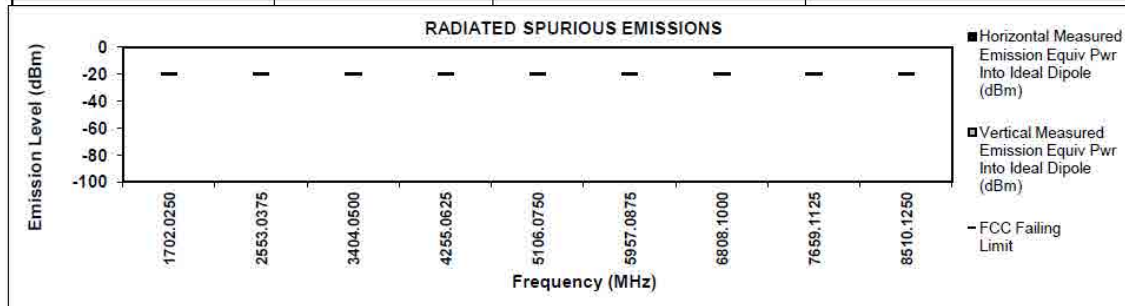
806.0125 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-20	**	**
2418.0375	-20	**	**
3224.0500	-20	**	**
4030.0625	-20	**	**
4836.0750	-20	**	**
5642.0875	-20	**	**
6448.1000	-20	**	**
7254.1125	-20	**	**
8060.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 31, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

**Exhibit 6F- 71**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

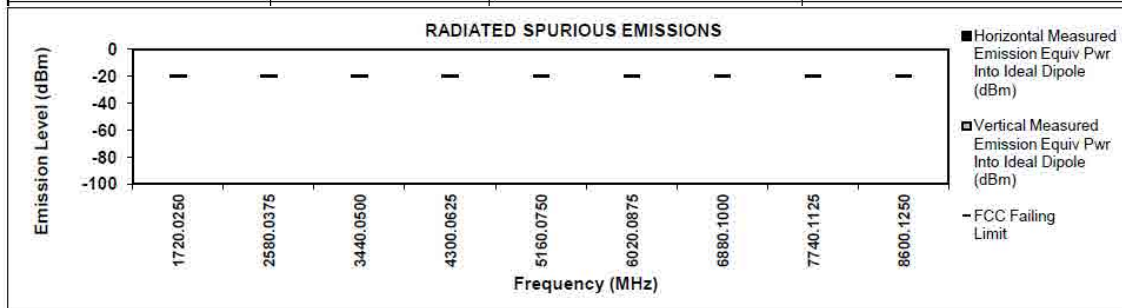
814.9875 MHz

12.5 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1629.9750	-20	**	**
2444.9625	-20	**	**
3259.9500	-20	**	**
4074.9375	-20	**	**
4889.9250	-20	**	**
5704.9125	-20	**	**
6519.9000	-20	**	**
7334.8875	-20	**	**
8149.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 31, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 72



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

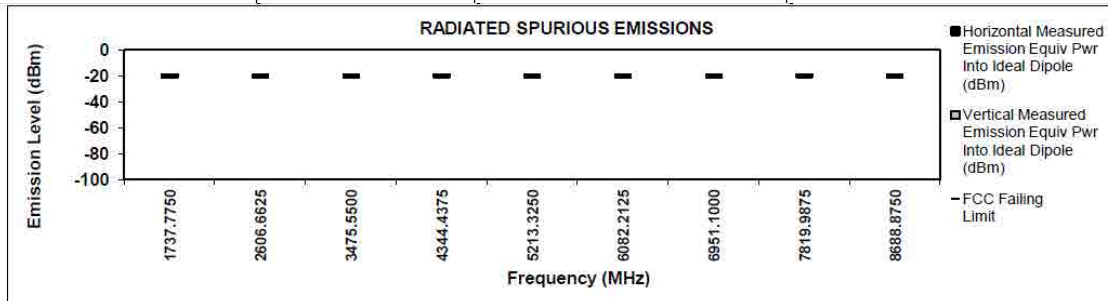
02257-FCCIC-00020

Phase II

3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
823.9875 MHz	12.5 kHz		
1647.9750	-20	**	**
2471.9625	-20	**	**
3295.9500	-20	**	**
4119.9375	-20	**	**
4943.9250	-20	**	**
5767.9125	-20	**	**
6591.9000	-20	**	**
7415.8875	-20	**	**
8239.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 31, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 73



**TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE**

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

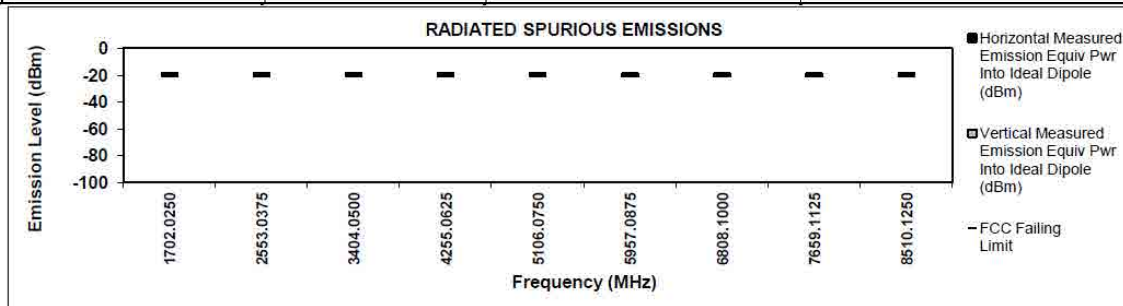
3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

851.0125 MHz

12.5 kHz

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1702.0250	-20	**	**
2553.0375	-20	**	**
3404.0500	-20	**	**
4255.0625	-20	**	**
5106.0750	-20	**	**
5957.0875	-20	**	**
6808.1000	-20	**	**
7659.1125	-20	**	**
8510.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 31, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

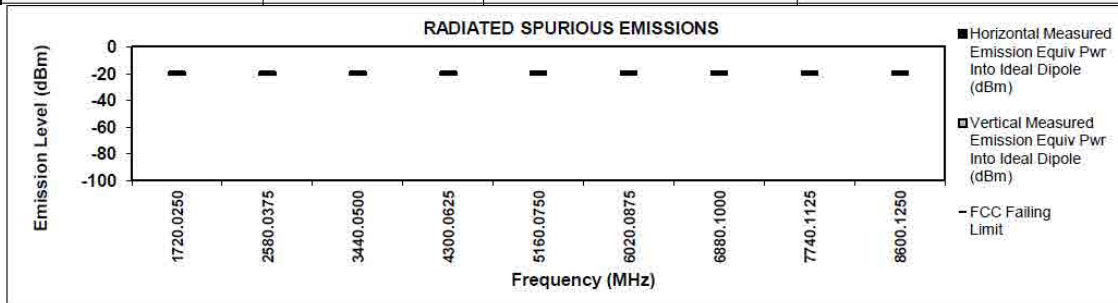
Failed Results

**Exhibit 6F- 74**



**TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE****MODEL #: APX8000****Battery: NNTN7034B****02257-FCCIC-00020****Phase II****860.0125 MHz****12.5 kHz****3.6 Watt(s)/Max Power****S/N: KT000006A01MK410M8**

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1720.0250	-20	**	**
2580.0375	-20	**	**
3440.0500	-20	**	**
4300.0625	-20	**	**
5160.0750	-20	**	**
6020.0875	-20	**	**
6880.1000	-20	**	**
7740.1125	-20	**	**
8600.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 31, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 75**



**TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE**

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00020

Phase II

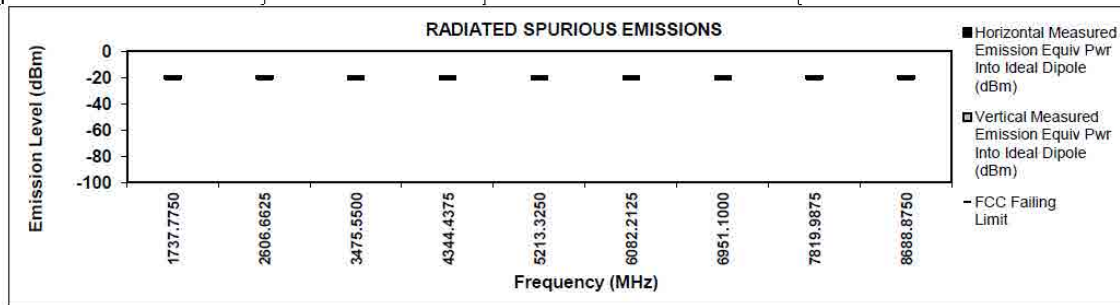
3.6 Watt(s)/Max Power

S/N: KT000006A01MK410M8

868.8875 MHz

12.5 kHz

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.7750	-20	**	**
2606.6625	-20	**	**
3475.5500	-20	**	**
4344.4375	-20	**	**
5213.3250	-20	**	**
6082.2125	-20	**	**
6951.1000	-20	**	**
7819.9875	-20	**	**
8688.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Azil

December 31, 2014

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

**Exhibit 6F- 76**



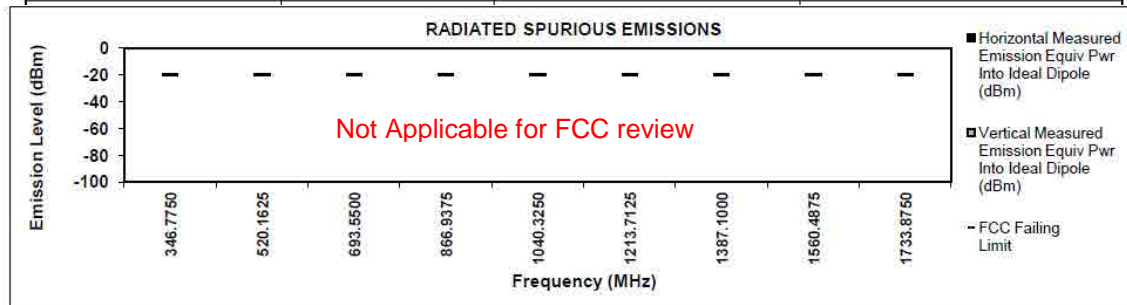
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

136.0125 MHz	25 kHz	6.6 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
272.0250	-20	**	**
408.0375	-20	**	**
544.0500	-20	**	**
680.0625	-20	**	**
816.0750	-20	**	**
952.0875	-20	**	**
1088.1000	-20	**	**
1224.1125	-20	**	**
1360.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 77



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

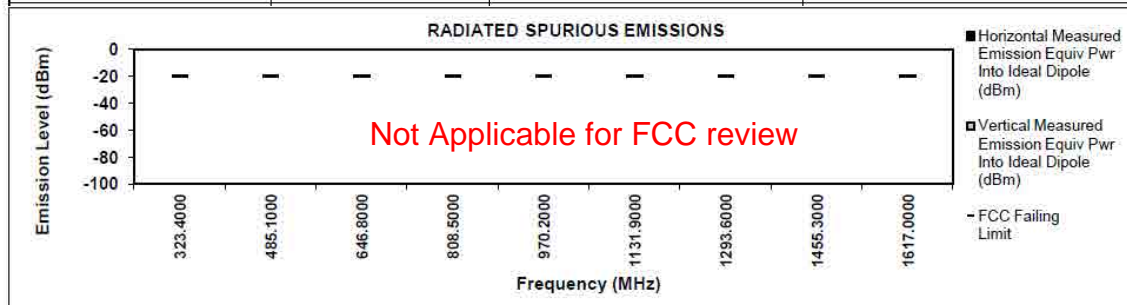
138.0125 MHz

25 kHz

6.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
276.0250	-20	**	**
414.0375	-20	**	**
552.0500	-20	**	**
690.0625	-20	**	**
828.0750	-20	**	**
966.0875	-20	**	**
1104.1000	-20	**	**
1242.1125	-20	**	**
1380.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

Failed Results

**Exhibit 6F- 78**



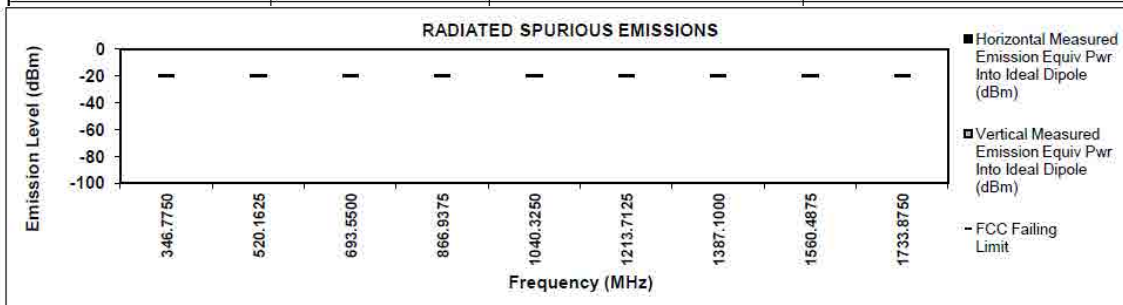
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

158.55 MHz	25 kHz	6.6 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
317.1000	-20	**	**
475.6500	-20	**	**
634.2000	-20	**	**
792.7500	-20	**	**
951.3000	-20	**	**
1109.8500	-20	**	**
1268.4000	-20	**	**
1426.9500	-20	**	**
1585.5000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Temp(Deg): 22.4 Hum(%RH): 69.0

Remarks:

Passed Results

Marginal Results

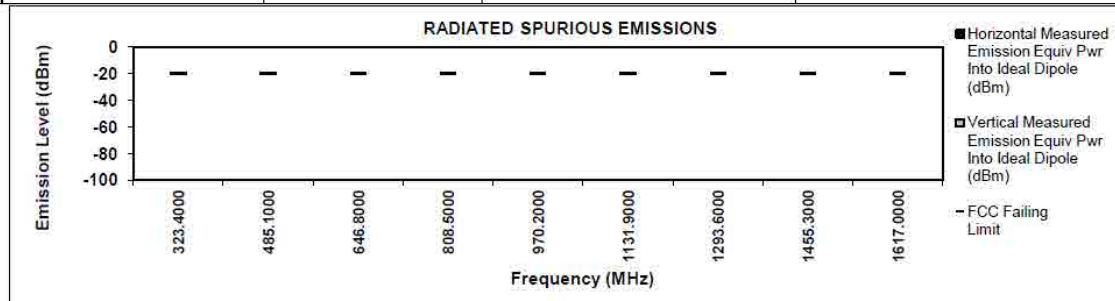
Failed Results

**Exhibit 6F- 79**



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000  
 02257-FCCIC-00019 Battery: NNTN7034B

161.7 MHz	25 kHz	6.6 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.4000	-20	**	**
485.1000	-20	**	**
646.8000	-20	**	**
808.5000	-20	**	**
970.2000	-20	**	**
1131.9000	-20	**	**
1293.6000	-20	**	**
1455.3000	-20	**	**
1617.0000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 80**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

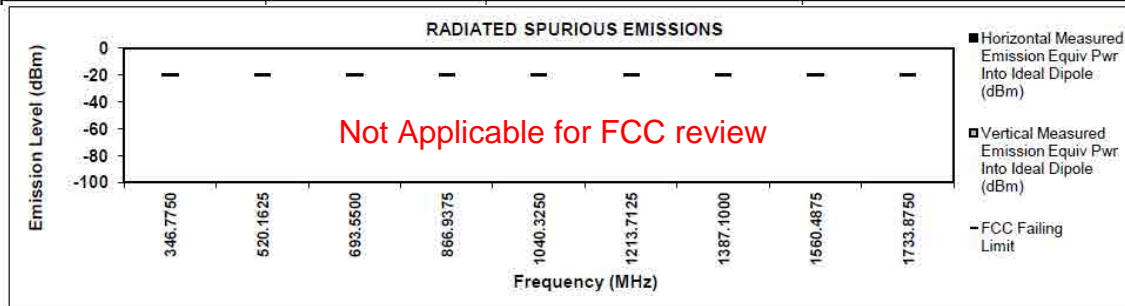
173.3875 MHz

25 kHz

6.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
346.7750	-20	**	**
520.1625	-20	**	**
693.5500	-20	**	**
866.9375	-20	**	**
1040.3250	-20	**	**
1213.7125	-20	**	**
1387.1000	-20	**	**
1560.4875	-20	**	**
1733.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 81**



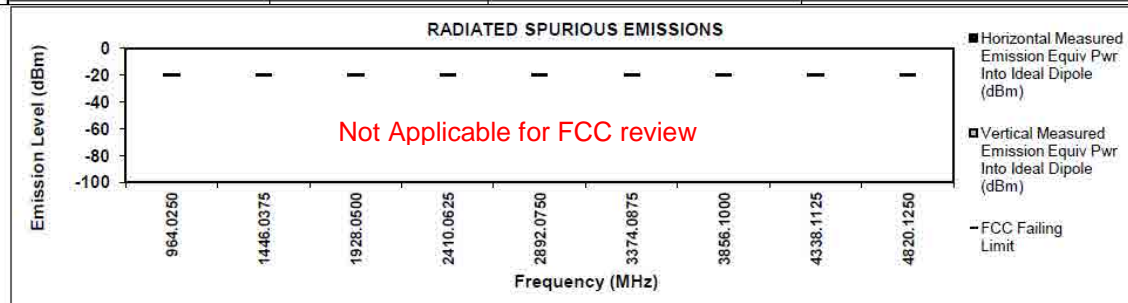
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

380.0125 MHz	25 kHz	5.7 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
760.0250	-20	**	**
1140.0375	-20	**	**
1520.0500	-20	**	**
1900.0625	-20	**	**
2280.0750	-20	**	**
2660.0875	-20	**	**
3040.1000	-20	**	**
3420.1125	-20	**	**
3800.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 82



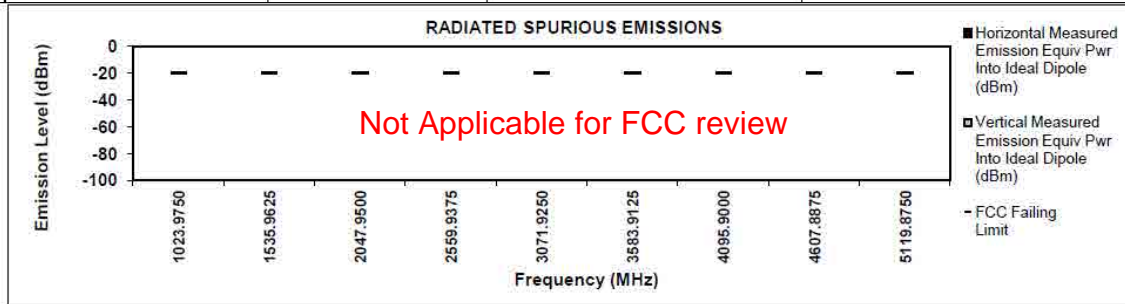
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

406.2 MHz	25 kHz	5.7 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
812.4000	-20	**	**
1218.6000	-20	**	**
1624.8000	-20	**	**
2031.0000	-20	**	**
2437.2000	-20	**	**
2843.4000	-20	**	**
3249.6000	-20	**	**
3655.8000	-20	**	**
4062.0000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 83



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

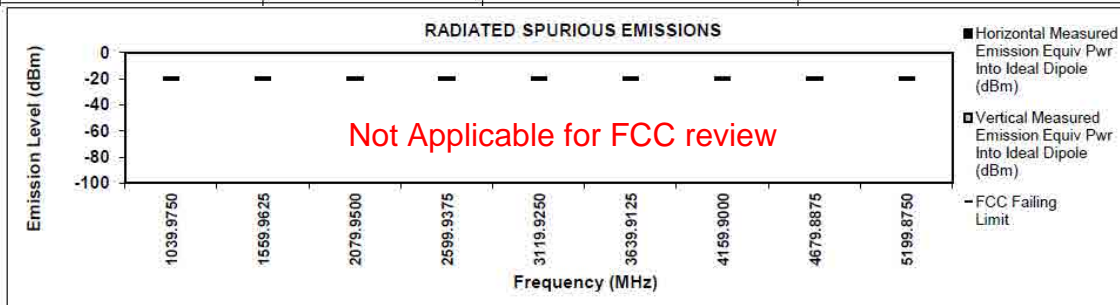
450.025 MHz

25 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
900.0500	-20	**	**
1350.0750	-20	**	**
1800.1000	-20	**	**
2250.1250	-20	**	**
2700.1500	-20	**	**
3150.1750	-20	**	**
3600.2000	-20	**	**
4050.2250	-20	**	**
4500.2500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 84



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

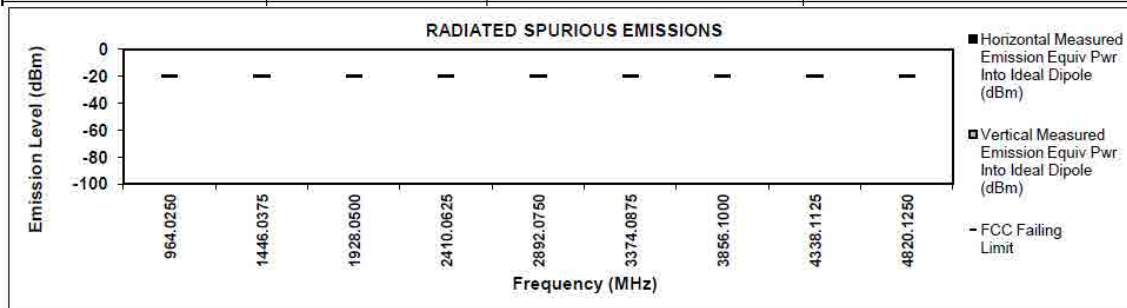
459.125 MHz

25 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
918.2500	-20	**	**
1377.3750	-20	**	**
1836.5000	-20	**	**
2295.6250	-20	**	**
2754.7500	-20	**	**
3213.8750	-20	**	**
3673.0000	-20	**	**
4132.1250	-20	**	**
4591.2500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 85



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

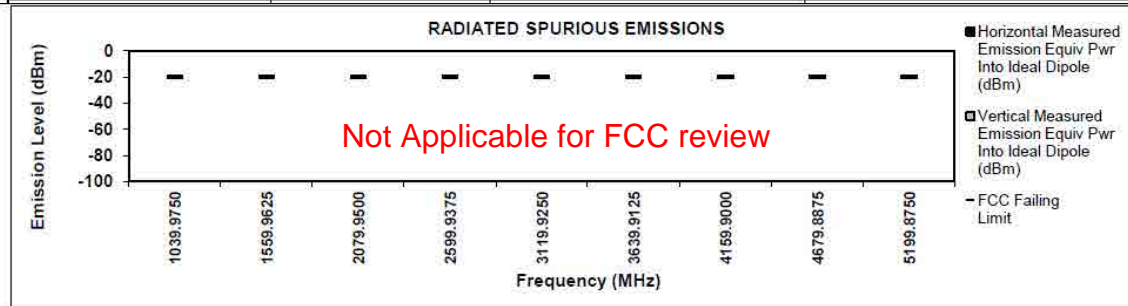
469.9875 MHz

25 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
939.9750	-20	**	**
1409.9625	-20	**	**
1879.9500	-20	**	**
2349.9375	-20	**	**
2819.9250	-20	**	**
3289.9125	-20	**	**
3759.9000	-20	**	**
4229.8875	-20	**	**
4699.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 86**



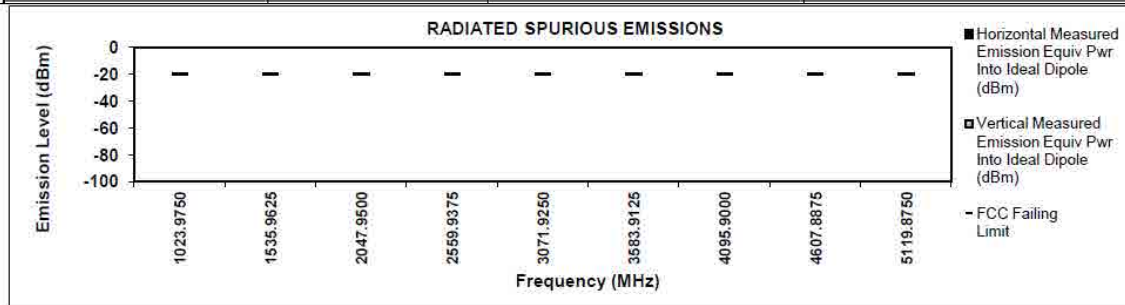
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

511.9875 MHz	25 kHz	5.7 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1023.9750	-20	**	**
1535.9625	-20	**	**
2047.9500	-20	**	**
2559.9375	-20	**	**
3071.9250	-20	**	**
3583.9125	-20	**	**
4095.9000	-20	**	**
4607.8875	-20	**	**
5119.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 87**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

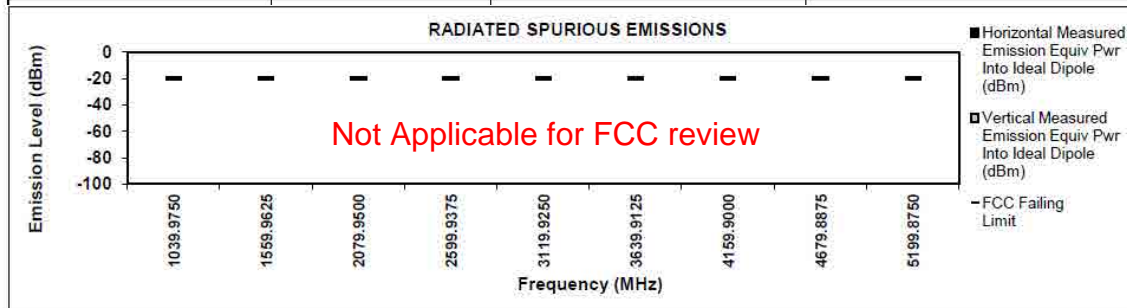
519.9875 MHz

25 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1039.9750	-20	**	**
1559.9625	-20	**	**
2079.9500	-20	**	**
2599.9375	-20	**	**
3119.9250	-20	**	**
3639.9125	-20	**	**
4159.9000	-20	**	**
4679.8875	-20	**	**
5199.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\* Pursuant to CFR 47 Part 2.1057 (c), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 88



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

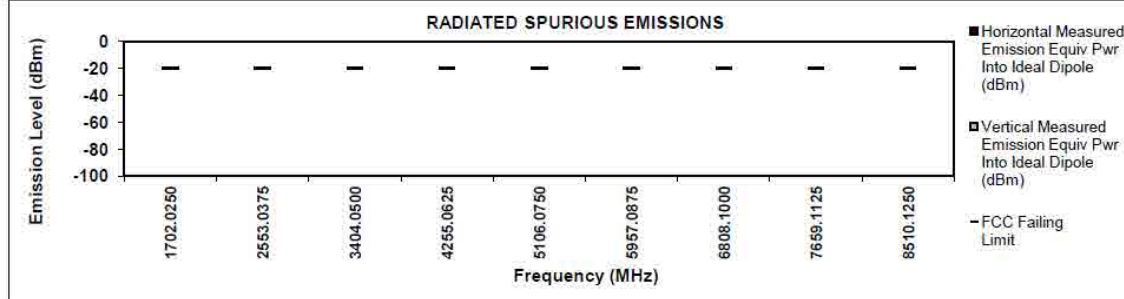
806.0125 MHz

25 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1612.0250	-20	**	**
2418.0375	-20	**	**
3224.0500	-20	**	**
4030.0625	-20	**	**
4836.0750	-20	**	**
5642.0875	-20	**	**
6448.1000	-20	**	**
7254.1125	-20	**	**
8060.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 89



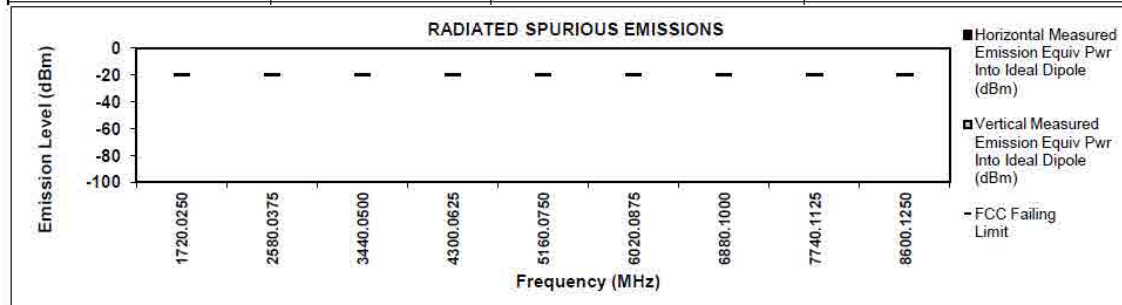
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

814.9875 MHz	25 kHz	3.6 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1629.9750	-20	**	**
2444.9625	-20	**	**
3259.9500	-20	**	**
4074.9375	-20	**	**
4889.9250	-20	**	**
5704.9125	-20	**	**
6519.9000	-20	**	**
7334.8875	-20	**	**
8149.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 90



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

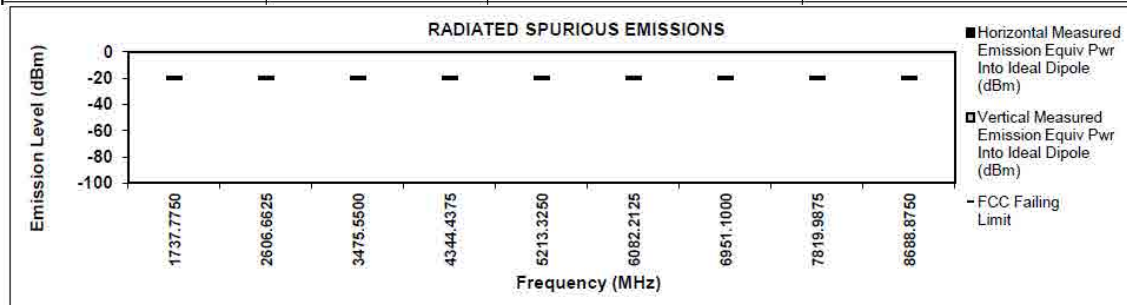
823.9875 MHz

25 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1647.9750	-20	**	**
2471.9625	-20	**	**
3295.9500	-20	**	**
4119.9375	-20	**	**
4943.9250	-20	**	**
5767.9125	-20	**	**
6591.9000	-20	**	**
7415.8875	-20	**	**
8239.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 91**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

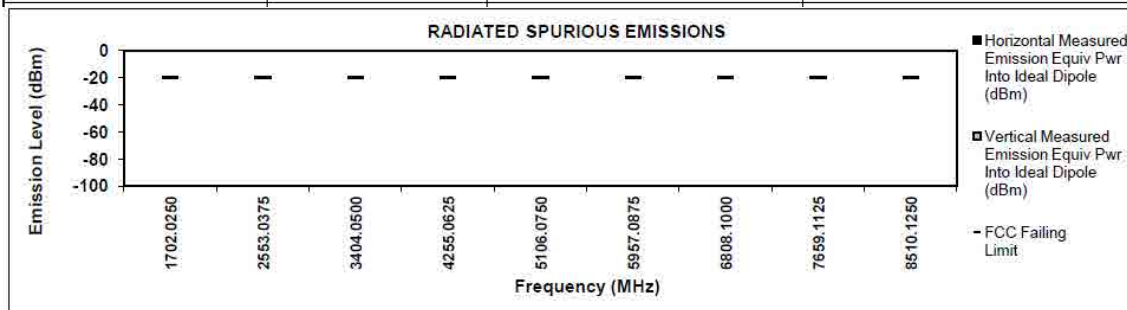
851.0125 MHz

25 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1702.0250	-20	**	**
2553.0375	-20	**	**
3404.0500	-20	**	**
4255.0625	-20	**	**
5106.0750	-20	**	**
5957.0875	-20	**	**
6808.1000	-20	**	**
7659.1125	-20	**	**
8510.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 92



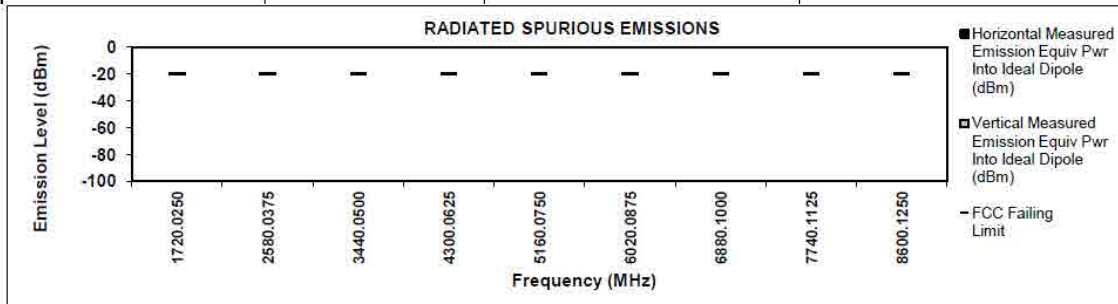
## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

860.0125 MHz	25 kHz	3.6 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1720.0250	-20	**	**
2580.0375	-20	**	**
3440.0500	-20	**	**
4300.0625	-20	**	**
5160.0750	-20	**	**
6020.0875	-20	**	**
6880.1000	-20	**	**
7740.1125	-20	**	**
8600.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 93



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

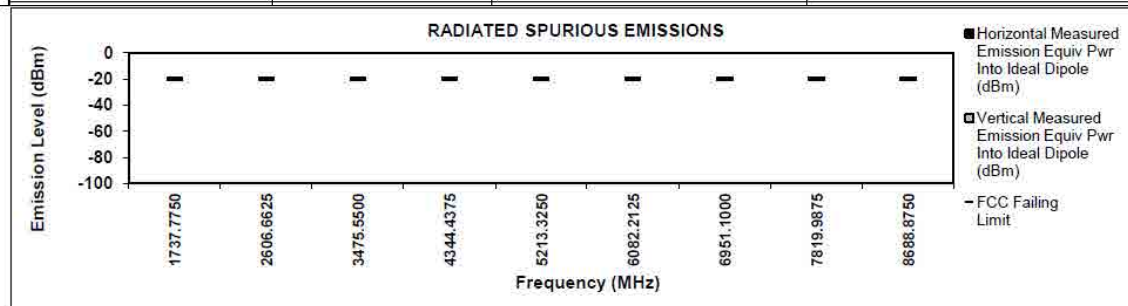
868.8875 MHz

25 kHz

3.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1737.7750	-20	**	**
2606.6625	-20	**	**
3475.5500	-20	**	**
4344.4375	-20	**	**
5213.3250	-20	**	**
6082.2125	-20	**	**
6951.1000	-20	**	**
7819.9875	-20	**	**
8688.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Nazrin

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 94



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

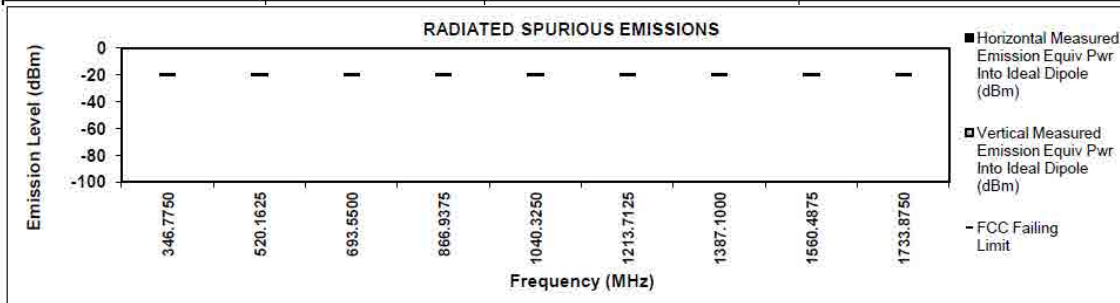
158.55 MHz

20 kHz

6.6 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
317.1000	-20	**	**
475.6500	-20	**	**
634.2000	-20	**	**
792.7500	-20	**	**
951.3000	-20	**	**
1109.8500	-20	**	**
1268.4000	-20	**	**
1426.9500	-20	**	**
1585.5000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

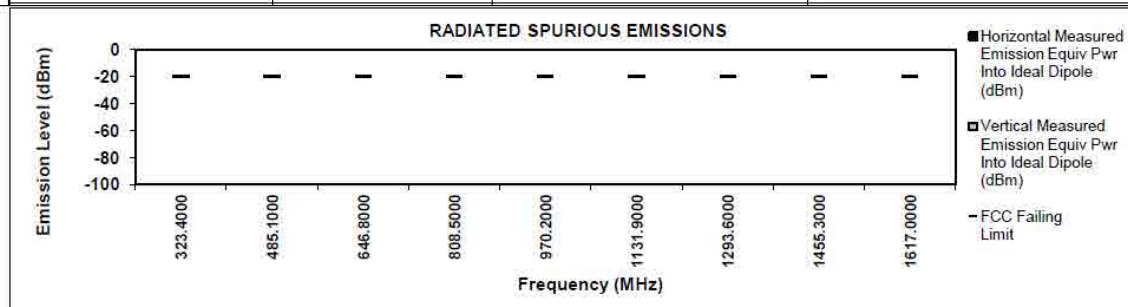
Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 95



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000  
 02257-FCCIC-00019 Battery: NNTN7034B

161.7 MHz	20 kHz	6.6 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.4000	-20	**	**
485.1000	-20	**	**
646.8000	-20	**	**
808.5000	-20	**	**
970.2000	-20	**	**
1131.9000	-20	**	**
1293.6000	-20	**	**
1455.3000	-20	**	**
1617.0000	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

**Exhibit 6F- 96**



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

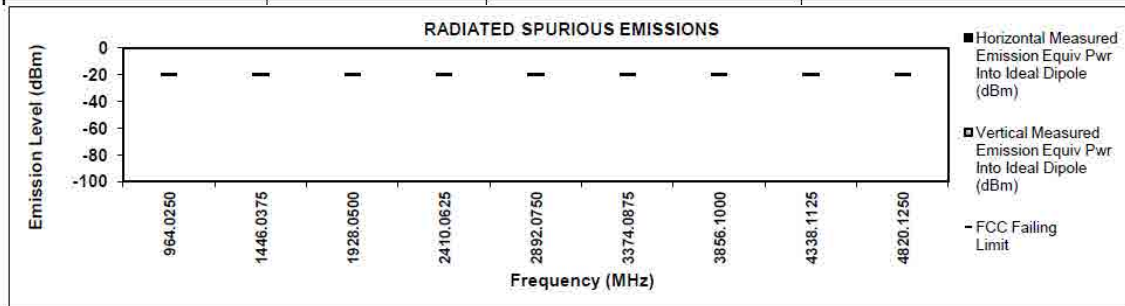
459.125 MHz

20 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
918.2500	-20	**	**
1377.3750	-20	**	**
1836.5000	-20	**	**
2295.6250	-20	**	**
2754.7500	-20	**	**
3213.8750	-20	**	**
3673.0000	-20	**	**
4132.1250	-20	**	**
4591.2500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Failed Results

Exhibit 6F- 97



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

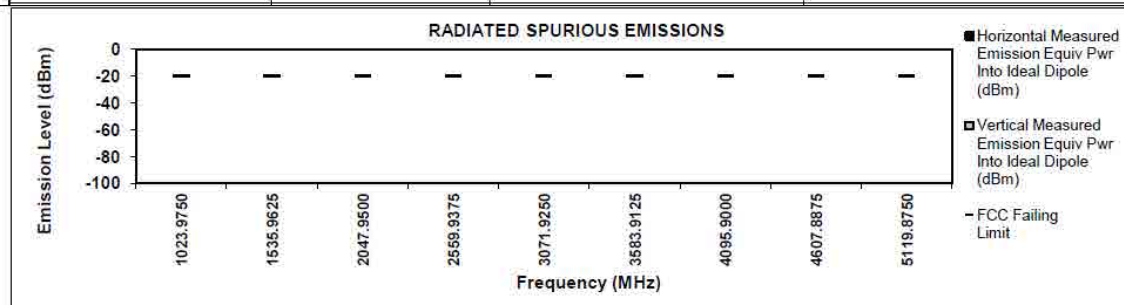
467.775 MHz

20 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
935.5500	-20	**	**
1403.3250	-20	**	**
1871.1000	-20	**	**
2338.8750	-20	**	**
2806.6500	-20	**	**
3274.4250	-20	**	**
3742.2000	-20	**	**
4209.9750	-20	**	**
4677.7500	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks:\*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 98



## TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

MODEL #: APX8000

Battery: NNTN7034B

02257-FCCIC-00019

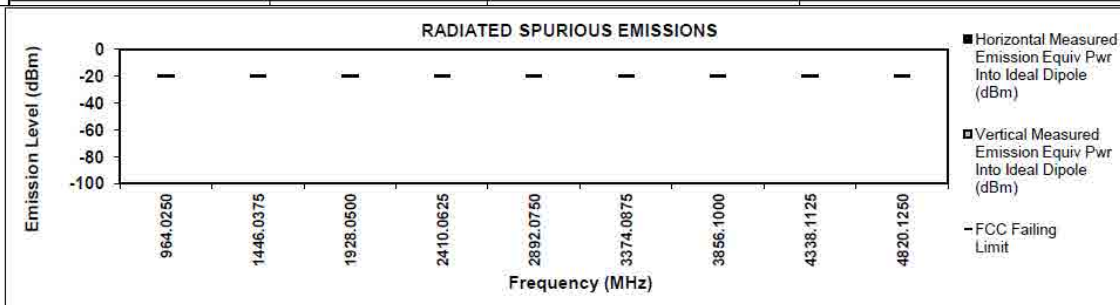
482.0125 MHz

20 kHz

5.7 Watt(s)/Max Power

S/N: KT000006A01MK4KA12JT

Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
964.0250	-20	**	**
1446.0375	-20	**	**
1928.0500	-20	**	**
2410.0625	-20	**	**
2892.0750	-20	**	**
3374.0875	-20	**	**
3856.1000	-20	**	**
4338.1125	-20	**	**
4820.1250	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results

Marginal Results

Failed Results

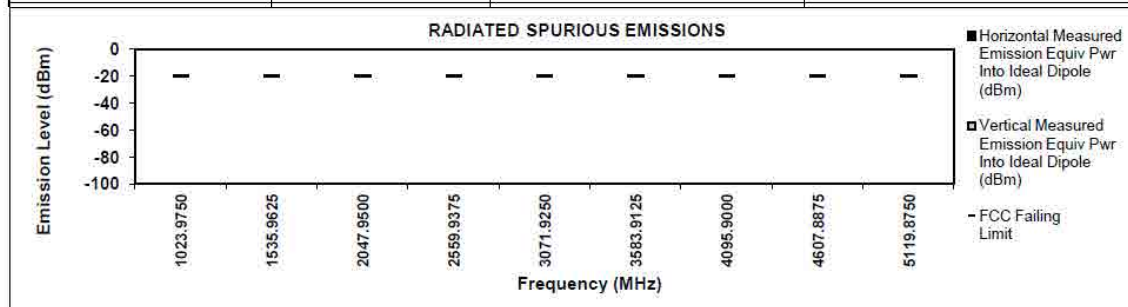
Temp(Deg): 22.4 Hum(%RH): 69.0

Exhibit 6F- 99



TRANSMITTER RADIATED SPURIOUS EMISSIONS: APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE  
 MODEL #: APX8000  
 02257-FCCIC-00019 Battery: NNTN7034B

511.9875 MHz	20 kHz	5.7 Watt(s)/Max Power	S/N: KT000006A01MK4KA12JT
Frequency (MHz)	FCC Failing Limit	Horizontal Measured Emission Equiv Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
1023.9750	-20	**	**
1535.9625	-20	**	**
2047.9500	-20	**	**
2559.9375	-20	**	**
3071.9250	-20	**	**
3583.9125	-20	**	**
4095.9000	-20	**	**
4607.8875	-20	**	**
5119.8750	-20	**	**



The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Penang EMC Lab - Test Performed by: Rudy

January 5, 2015

FCC Registration: 772092

Industry Canada: 109AK

Remarks: \*\* Indicates the spurious emission could not be detected due to noise limitations or ambients.

\*Pursuant to CFR 47 Part 2.1057 ( c ), emissions attenuated more than 20 dB below the permissible limit are not reported

Remarks:

Passed Results	Marginal Results	Temp(Deg): 22.4 Hum(%RH): 69.0 Failed Results
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**Exhibit 6F- 100**