



MANUFACTURER : Motorola  
TEST ITEM : Mission Critical Wireless Earpiece  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER : 6088  
TEST MODE : Receive at 2441MHz  
TEST DATE : August 10, 2010  
TEST PARAMETERS : Industry Canada RSS-Gen Spurious Radiated Emissions  
NOTES : Tested with NTN2572 Headset & Motorola AC Power Supply  
EQUIPMENT USED : NWQ1, APW2, RBB0, CMA1

| Frequency<br>MHz | Ant<br>Pol | Meter<br>Reading<br>dBuV | Ambient | Cbl<br>Fac<br>dB | Ant<br>Fac<br>dB | Pre<br>Amp<br>Gain<br>dB | Total<br>dBuV/m<br>at 3 m | Total<br>uV/m<br>at 3 m | Limit<br>uV/m<br>at 3 m | Margin<br>dB |
|------------------|------------|--------------------------|---------|------------------|------------------|--------------------------|---------------------------|-------------------------|-------------------------|--------------|
| 2442.500         | H          | 38.9                     |         | 3.8              | 32.6             | -39.3                    | 36.0                      | 63.1                    | 500.0                   | -18.0        |
| 2442.500         | V          | 35.6                     | Ambient | 3.8              | 32.6             | -39.3                    | 32.7                      | 43.2                    | 500.0                   | -21.3        |
| 4885.000         | H          | 32.0                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.1                      | 56.8                    | 500.0                   | -18.9        |
| 4885.000         | V          | 32.0                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.1                      | 56.8                    | 500.0                   | -18.9        |
| 7327.500         | H          | 32.5                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.2                      | 91.3                    | 500.0                   | -14.8        |
| 7327.500         | V          | 32.4                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.1                      | 90.3                    | 500.0                   | -14.9        |

H – Horizontal V – Vertical

Total (dBuV/m) = Meter Reading (dBuV) + Cbl Fac (dB) + Ant Fac (dB) + Pre Amp Gain (dB)



MANUFACTURER : Motorola  
TEST ITEM : Mission Critical Wireless Earpiece  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER : 6088  
TEST MODE : Receive at 2441MHz  
TEST DATE : August 10, 2010  
TEST PARAMETERS : Industry Canada RSS-Gen Spurious Radiated Emissions  
NOTES : Tested with NTN2572 Headset  
EQUIPMENT USED : NWQ1, APW2, RBB0, CMA1

| Frequency<br>MHz | Ant<br>Pol | Meter<br>Reading<br>dBuV | Ambient | Cbl<br>Fac<br>dB | Ant<br>Fac<br>dB | Pre<br>Amp<br>Gain<br>dB | Total<br>dBuV/m<br>at 3 m | Total<br>uV/m<br>at 3 m | Limit<br>uV/m<br>at 3 m | Margin<br>dB |
|------------------|------------|--------------------------|---------|------------------|------------------|--------------------------|---------------------------|-------------------------|-------------------------|--------------|
| 2442.500         | H          | 38.7                     |         | 3.8              | 32.6             | -39.3                    | 35.8                      | 61.7                    | 500.0                   | -18.2        |
| 2442.500         | V          | 34.8                     | Ambient | 3.8              | 32.6             | -39.3                    | 31.9                      | 39.4                    | 500.0                   | -22.1        |
| 4885.000         | H          | 31.9                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.0                      | 56.1                    | 500.0                   | -19.0        |
| 4885.000         | V          | 31.9                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.0                      | 56.1                    | 500.0                   | -19.0        |
| 7327.500         | H          | 32.3                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.0                      | 89.2                    | 500.0                   | -15.0        |
| 7327.500         | V          | 32.4                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.1                      | 90.3                    | 500.0                   | -14.9        |

H – Horizontal V – Vertical

Total (dBuV/m) = Meter Reading (dBuV) + Cbl Fac (dB) + Ant Fac (dB) + Pre Amp Gain (dB)



MANUFACTURER : Motorola  
TEST ITEM : Mission Critical Wireless Earpiece  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER : 6088  
TEST MODE : Receive at 2441MHz  
TEST DATE : August 10, 2010  
TEST PARAMETERS : Industry Canada RSS-Gen Spurious Radiated Emissions  
NOTES : Tested with NTN2575 Headset & Motorola AC Power Supply  
EQUIPMENT USED : NWQ1, APW2, RBB0, CMA1

| Frequency<br>MHz | Ant<br>Pol | Meter<br>Reading<br>dBuV | Ambient | Cbl<br>Fac<br>dB | Ant<br>Fac<br>dB | Pre<br>Amp<br>Gain<br>dB | Total<br>dBuV/m<br>at 3 m | Total<br>uV/m<br>at 3 m | Limit<br>uV/m<br>at 3 m | Margin<br>dB |
|------------------|------------|--------------------------|---------|------------------|------------------|--------------------------|---------------------------|-------------------------|-------------------------|--------------|
| 2442.500         | H          | 39.6                     |         | 3.8              | 32.6             | -39.3                    | 36.7                      | 68.4                    | 500.0                   | -17.3        |
| 2442.500         | V          | 34.7                     | Ambient | 3.8              | 32.6             | -39.3                    | 31.8                      | 38.9                    | 500.0                   | -22.2        |
| 4885.000         | H          | 31.8                     | Ambient | 5.8              | 34.7             | -37.3                    | 34.9                      | 55.5                    | 500.0                   | -19.1        |
| 4885.000         | V          | 31.8                     | Ambient | 5.8              | 34.7             | -37.3                    | 34.9                      | 55.5                    | 500.0                   | -19.1        |
| 7327.500         | H          | 32.3                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.0                      | 89.2                    | 500.0                   | -15.0        |
| 7327.500         | V          | 32.3                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.0                      | 89.2                    | 500.0                   | -15.0        |

H – Horizontal V – Vertical

Total (dBuV/m) = Meter Reading (dBuV) + Cbl Fac (dB) + Ant Fac (dB) + Pre Amp Gain (dB)



MANUFACTURER : Motorola  
TEST ITEM : Mission Critical Wireless Earpiece  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER : 6088  
TEST MODE : Receive at 2441MHz  
TEST DATE : August 10, 2010  
TEST PARAMETERS : Industry Canada RSS-Gen Spurious Radiated Emissions  
NOTES : Tested with NTN2575 Headset  
EQUIPMENT USED : NWQ1, APW2, RBB0, CMA1

| Frequency<br>MHz | Ant<br>Pol | Meter<br>Reading<br>dBuV | Ambient | Cbl<br>Fac<br>dB | Ant<br>Fac<br>dB | Pre<br>Amp<br>Gain<br>dB | Total<br>dBuV/m<br>at 3 m | Total<br>uV/m<br>at 3 m | Limit<br>uV/m<br>at 3 m | Margin<br>dB |
|------------------|------------|--------------------------|---------|------------------|------------------|--------------------------|---------------------------|-------------------------|-------------------------|--------------|
| 2442.500         | H          | 38.1                     |         | 3.8              | 32.6             | -39.3                    | 35.2                      | 57.6                    | 500.0                   | -18.8        |
| 2442.500         | V          | 34.8                     | Ambient | 3.8              | 32.6             | -39.3                    | 31.9                      | 39.4                    | 500.0                   | -22.1        |
| 4885.000         | H          | 31.8                     | Ambient | 5.8              | 34.7             | -37.3                    | 34.9                      | 55.5                    | 500.0                   | -19.1        |
| 4885.000         | V          | 31.8                     | Ambient | 5.8              | 34.7             | -37.3                    | 34.9                      | 55.5                    | 500.0                   | -19.1        |
| 7327.500         | H          | 32.4                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.1                      | 90.3                    | 500.0                   | -14.9        |
| 7327.500         | V          | 32.4                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.1                      | 90.3                    | 500.0                   | -14.9        |

H – Horizontal V – Vertical

Total (dBuV/m) = Meter Reading (dBuV) + Cbl Fac (dB) + Ant Fac (dB) + Pre Amp Gain (dB)



MANUFACTURER : Motorola  
TEST ITEM : Mission Critical Wireless Earpiece  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER : 6088  
TEST MODE : Receive at 2441MHz  
TEST DATE : August 10, 2010  
TEST PARAMETERS : Industry Canada RSS-Gen Spurious Radiated Emissions  
NOTES : Tested with Motorola AC Power Supply, No Headset  
EQUIPMENT USED : NWQ1, APW2, RBB0, CMA1

| Frequency<br>MHz | Ant<br>Pol | Meter<br>Reading<br>dBuV | Ambient | Cbl<br>Fac<br>dB | Ant<br>Fac<br>dB | Pre<br>Amp<br>Gain<br>dB | Total<br>dBuV/m<br>at 3 m | Total<br>uV/m<br>at 3 m | Limit<br>uV/m<br>at 3 m | Margin<br>dB |
|------------------|------------|--------------------------|---------|------------------|------------------|--------------------------|---------------------------|-------------------------|-------------------------|--------------|
| 2442.500         | H          | 35.2                     | Ambient | 3.8              | 32.6             | -39.3                    | 32.3                      | 41.2                    | 500.0                   | -21.7        |
| 2442.500         | V          | 35.2                     | Ambient | 3.8              | 32.6             | -39.3                    | 32.3                      | 41.2                    | 500.0                   | -21.7        |
| 4885.000         | H          | 31.8                     | Ambient | 5.8              | 34.7             | -37.3                    | 34.9                      | 55.5                    | 500.0                   | -19.1        |
| 4885.000         | V          | 31.9                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.0                      | 56.1                    | 500.0                   | -19.0        |
| 7327.500         | H          | 32.3                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.0                      | 89.2                    | 500.0                   | -15.0        |
| 7327.500         | V          | 32.3                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.0                      | 89.2                    | 500.0                   | -15.0        |

H – Horizontal V – Vertical

Total (dBuV/m) = Meter Reading (dBuV) + Cbl Fac (dB) + Ant Fac (dB) + Pre Amp Gain (dB)



MANUFACTURER : Motorola  
TEST ITEM : Mission Critical Wireless Earpiece  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER : 6088  
TEST MODE : Receive at 2441MHz  
TEST DATE : August 10, 2010  
TEST PARAMETERS : Industry Canada RSS-Gen Spurious Radiated Emissions  
NOTES : Tested with No Headset  
EQUIPMENT USED : NWQ1, APW2, RBB0, CMA1

| Frequency<br>MHz | Ant<br>Pol | Meter<br>Reading<br>dBuV | Ambient | Cbl<br>Fac<br>dB | Ant<br>Fac<br>dB | Pre<br>Amp<br>Gain<br>dB | Total<br>dBuV/m<br>at 3 m | Total<br>uV/m<br>at 3 m | Limit<br>uV/m<br>at 3 m | Margin<br>dB |
|------------------|------------|--------------------------|---------|------------------|------------------|--------------------------|---------------------------|-------------------------|-------------------------|--------------|
| 2442.500         | H          | 35.2                     | Ambient | 3.8              | 32.6             | -39.3                    | 32.3                      | 41.2                    | 500.0                   | -21.7        |
| 2442.500         | V          | 34.3                     | Ambient | 3.8              | 32.6             | -39.3                    | 31.4                      | 37.2                    | 500.0                   | -22.6        |
| 4885.000         | H          | 31.9                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.0                      | 56.1                    | 500.0                   | -19.0        |
| 4885.000         | V          | 31.9                     | Ambient | 5.8              | 34.7             | -37.3                    | 35.0                      | 56.1                    | 500.0                   | -19.0        |
| 7327.500         | H          | 32.4                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.1                      | 90.3                    | 500.0                   | -14.9        |
| 7327.500         | V          | 32.4                     | Ambient | 7.7              | 36.5             | -37.4                    | 39.1                      | 90.3                    | 500.0                   | -14.9        |

H – Horizontal V – Vertical

Total (dBuV/m) = Meter Reading (dBuV) + Cbl Fac (dB) + Ant Fac (dB) + Pre Amp Gain (dB)



## FCC Part 15 Subpart B Conducted Emissions Test

### Significant Emissions Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L1  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2572A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:46:57 PM  
Data Filter : Up to 80 maximum levels detected with 6 dB level excursion threshold over 10 dB margin below limit

| Freq MHz | Quasi-peak Level dB $\mu$ V/m | Quasi-peak Limit dB $\mu$ V/m | Excessive Quasi-peak Emissions | Average Level dB $\mu$ V/m | Average Limit dB $\mu$ V/m | Excessive Average Emissions |
|----------|-------------------------------|-------------------------------|--------------------------------|----------------------------|----------------------------|-----------------------------|
| 0.159    | 39.8                          | 65.5                          |                                | 22.4                       | 55.5                       |                             |
| 0.284    | 32.6                          | 60.7                          |                                | 18.6                       | 50.7                       |                             |
| 0.505    | 28.5                          | 56.0                          |                                | 15.9                       | 46.0                       |                             |
| 0.898    | 25.8                          | 56.0                          |                                | 14.1                       | 46.0                       |                             |
| 1.552    | 24.4                          | 56.0                          |                                | 12.4                       | 46.0                       |                             |
| 2.376    | 24.6                          | 56.0                          |                                | 11.4                       | 46.0                       |                             |
| 3.203    | 22.7                          | 56.0                          |                                | 10.6                       | 46.0                       |                             |
| 5.833    | 23.0                          | 60.0                          |                                | 10.1                       | 50.0                       |                             |
| 9.432    | 18.3                          | 60.0                          |                                | 7.7                        | 50.0                       |                             |
| 25.498   | 20.5                          | 60.0                          |                                | 8.6                        | 50.0                       |                             |

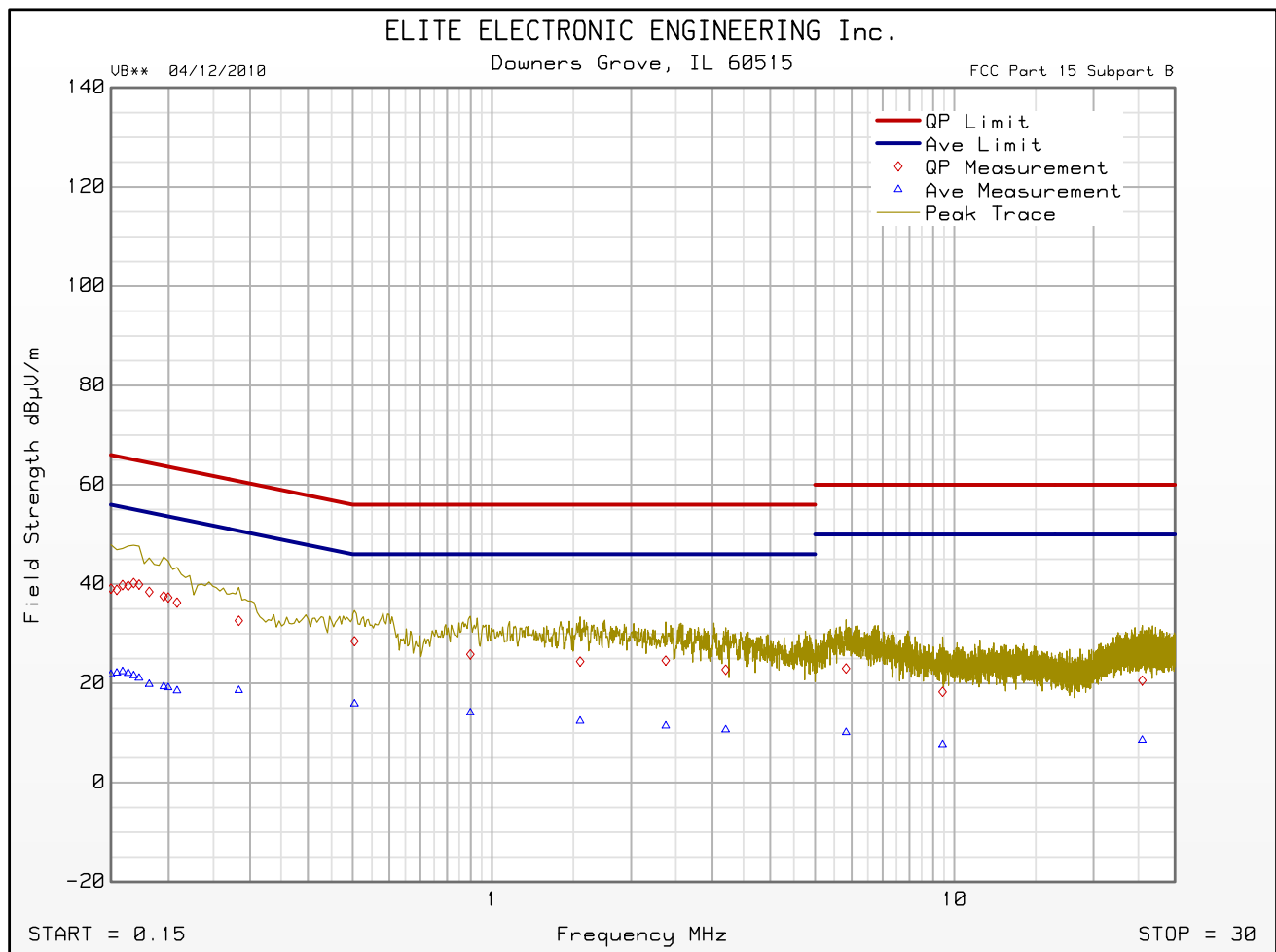


## FCC Part 15 Subpart B Conducted Emissions Test

### Cumulative Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L1  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2572A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:46:57 PM



Emissions Meet QP Limit  
Emissions Meet Ave Limit



## FCC Part 15 Subpart B Conducted Emissions Test

### Significant Emissions Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L2  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2572A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:40:31 PM  
Data Filter : Up to 80 maximum levels detected with 6 dB level excursion threshold over 10 dB margin below limit

| Freq<br>MHz | Quasi-peak<br>Level<br>dB $\mu$ V/m | Quasi-peak<br>Limit<br>dB $\mu$ V/m | Excessive<br>Quasi-peak<br>Emissions | Average<br>Level<br>dB $\mu$ V/m | Average<br>Limit<br>dB $\mu$ V/m | Excessive<br>Average<br>Emissions |
|-------------|-------------------------------------|-------------------------------------|--------------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| 0.159       | 41.2                                | 65.5                                |                                      | 22.2                             | 55.5                             |                                   |
| 0.279       | 33.9                                | 60.8                                |                                      | 17.1                             | 50.8                             |                                   |
| 0.509       | 25.4                                | 56.0                                |                                      | 14.2                             | 46.0                             |                                   |
| 1.101       | 23.2                                | 56.0                                |                                      | 12.5                             | 46.0                             |                                   |
| 1.804       | 20.8                                | 56.0                                |                                      | 11.2                             | 46.0                             |                                   |
| 2.097       | 21.6                                | 56.0                                |                                      | 10.8                             | 46.0                             |                                   |
| 3.185       | 19.3                                | 56.0                                |                                      | 9.7                              | 46.0                             |                                   |
| 5.662       | 19.3                                | 60.0                                |                                      | 8.6                              | 50.0                             |                                   |
| 10.323      | 14.4                                | 60.0                                |                                      | 6.7                              | 50.0                             |                                   |
| 29.323      | 19.2                                | 60.0                                |                                      | 7.8                              | 50.0                             |                                   |

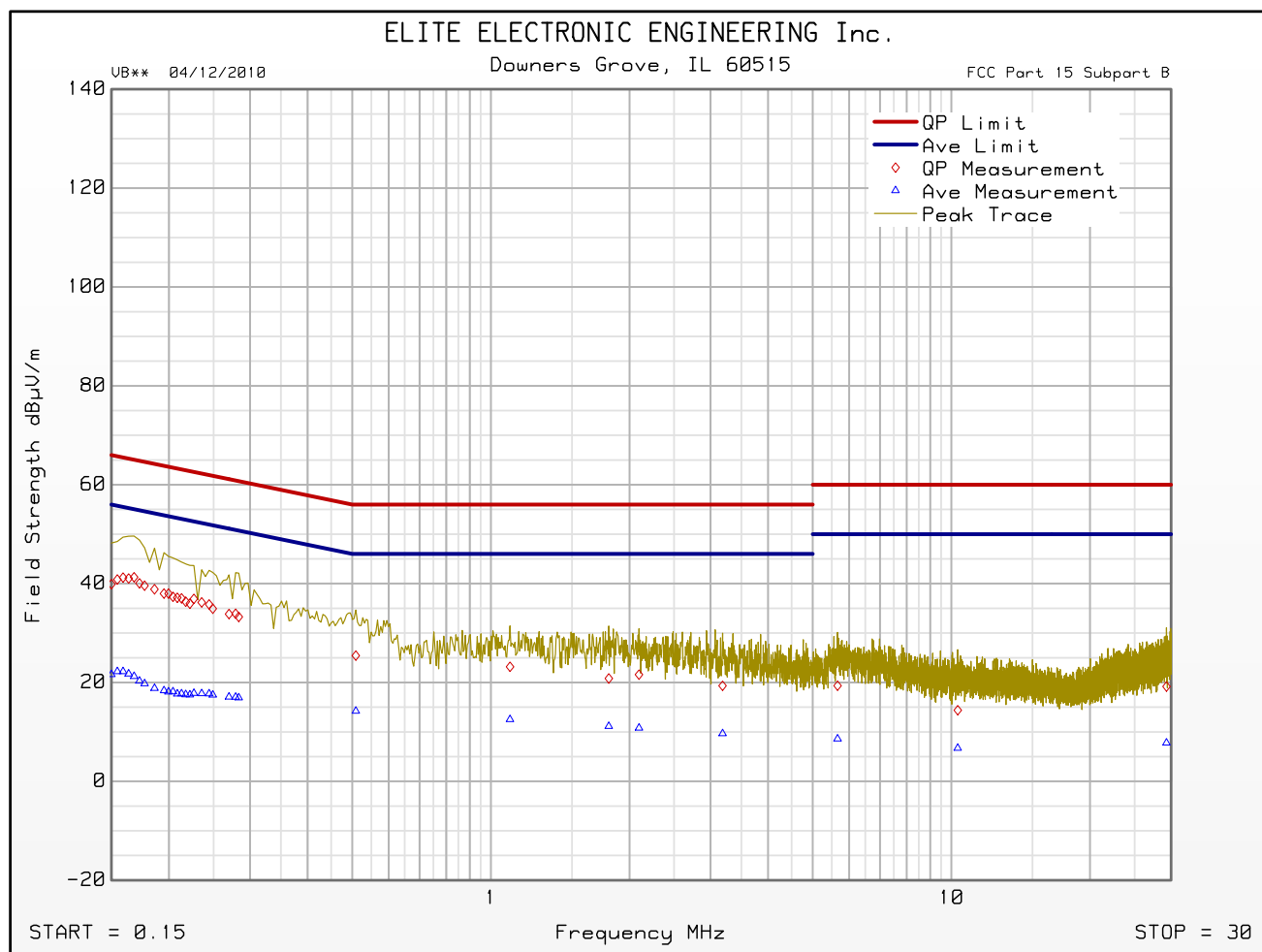


## FCC Part 15 Subpart B Conducted Emissions Test

### Cumulative Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L2  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2572A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:40:31 PM



Emissions Meet QP Limit  
Emissions Meet Ave Limit



## FCC Part 15 Subpart B Conducted Emissions Test

### Significant Emissions Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision : 1.1  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L1  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2575A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:54:07 PM  
Data Filter : Up to 80 maximum levels detected with 6 dB level excursion threshold over 10 dB margin below limit

| Freq<br>MHz | Quasi-peak<br>Level<br>dB $\mu$ V/m | Quasi-peak<br>Limit<br>dB $\mu$ V/m | Excessive<br>Quasi-peak<br>Emissions | Average<br>Level<br>dB $\mu$ V/m | Average<br>Limit<br>dB $\mu$ V/m | Excessive<br>Average<br>Emissions |
|-------------|-------------------------------------|-------------------------------------|--------------------------------------|----------------------------------|----------------------------------|-----------------------------------|
| 0.204       | 38.1                                | 63.4                                |                                      | 24.2                             | 53.4                             |                                   |
| 0.288       | 33.3                                | 60.6                                |                                      | 20.0                             | 50.6                             |                                   |
| 0.581       | 28.6                                | 56.0                                |                                      | 15.6                             | 46.0                             |                                   |
| 0.898       | 28.3                                | 56.0                                |                                      | 15.0                             | 46.0                             |                                   |
| 1.894       | 25.8                                | 56.0                                |                                      | 12.7                             | 46.0                             |                                   |
| 2.588       | 24.4                                | 56.0                                |                                      | 11.3                             | 46.0                             |                                   |
| 3.289       | 22.4                                | 56.0                                |                                      | 10.6                             | 46.0                             |                                   |
| 6.179       | 22.4                                | 60.0                                |                                      | 9.5                              | 50.0                             |                                   |
| 10.710      | 17.4                                | 60.0                                |                                      | 7.6                              | 50.0                             |                                   |
| 26.236      | 20.7                                | 60.0                                |                                      | 8.7                              | 50.0                             |                                   |

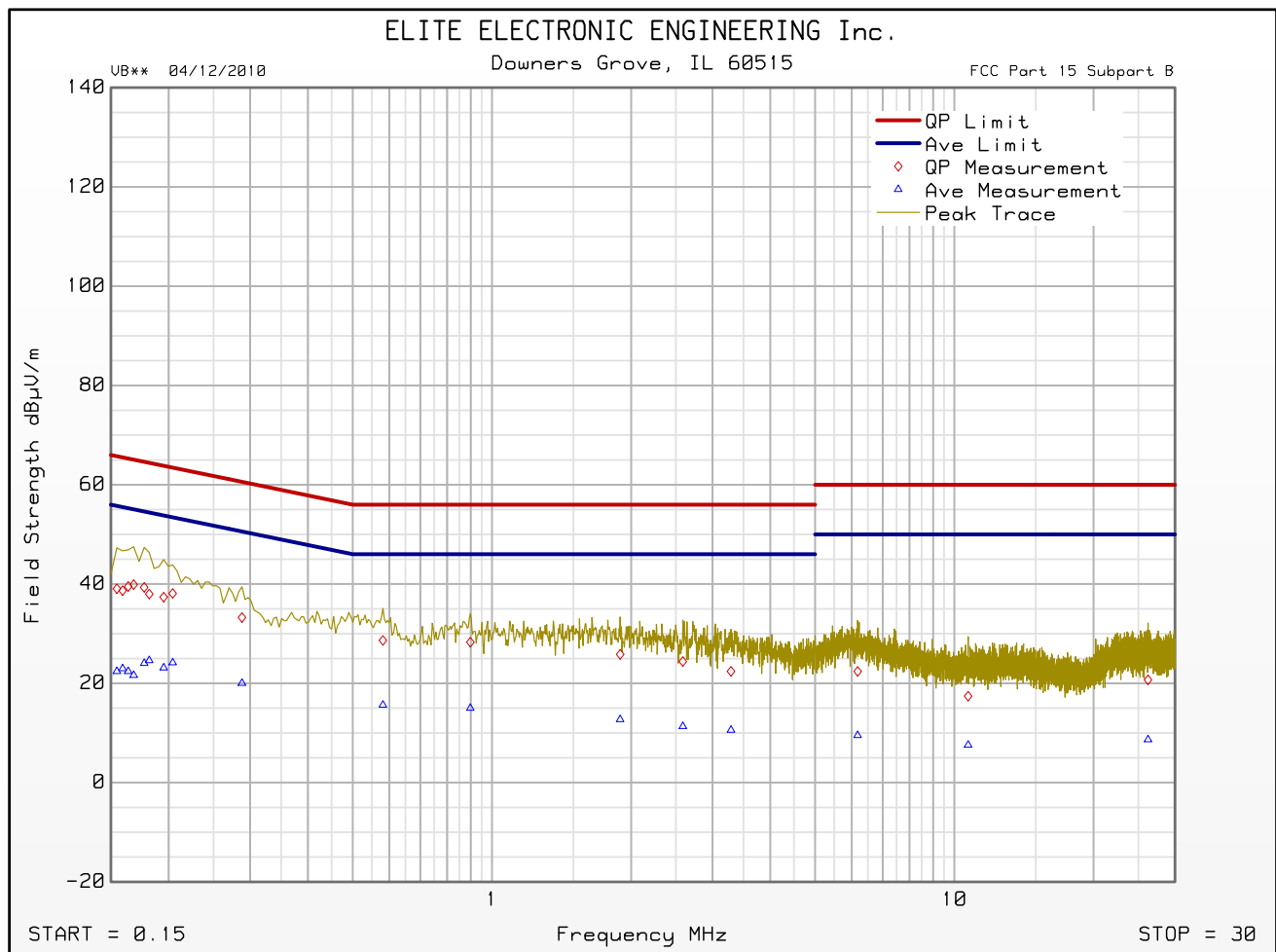


## FCC Part 15 Subpart B Conducted Emissions Test

### Cumulative Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision : 1.1  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L1  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2575A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:54:07 PM



Emissions Meet QP Limit  
Emissions Meet Ave Limit



## FCC Part 15 Subpart B Conducted Emissions Test

### Significant Emissions Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision : 1.1  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L2  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2575A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 03:00:44 PM  
Data Filter : Up to 80 maximum levels detected with 6 dB level excursion threshold over 10 dB margin below limit

| Freq MHz | Quasi-peak Level dB $\mu$ V/m | Quasi-peak Limit dB $\mu$ V/m | Excessive Quasi-peak Emissions | Average Level dB $\mu$ V/m | Average Limit dB $\mu$ V/m | Excessive Average Emissions |
|----------|-------------------------------|-------------------------------|--------------------------------|----------------------------|----------------------------|-----------------------------|
| 0.191    | 40.2                          | 64.0                          |                                | 30.7                       | 54.0                       |                             |
| 0.293    | 34.1                          | 60.5                          |                                | 23.0                       | 50.5                       |                             |
| 0.590    | 25.2                          | 56.0                          |                                | 14.6                       | 46.0                       |                             |
| 1.213    | 22.4                          | 56.0                          |                                | 12.3                       | 46.0                       |                             |
| 1.799    | 21.7                          | 56.0                          |                                | 11.4                       | 46.0                       |                             |
| 2.642    | 21.2                          | 56.0                          |                                | 10.4                       | 46.0                       |                             |
| 3.329    | 18.9                          | 56.0                          |                                | 9.7                        | 46.0                       |                             |
| 5.954    | 18.3                          | 60.0                          |                                | 8.4                        | 50.0                       |                             |
| 10.062   | 14.4                          | 60.0                          |                                | 6.7                        | 50.0                       |                             |
| 26.191   | 16.4                          | 60.0                          |                                | 7.3                        | 50.0                       |                             |

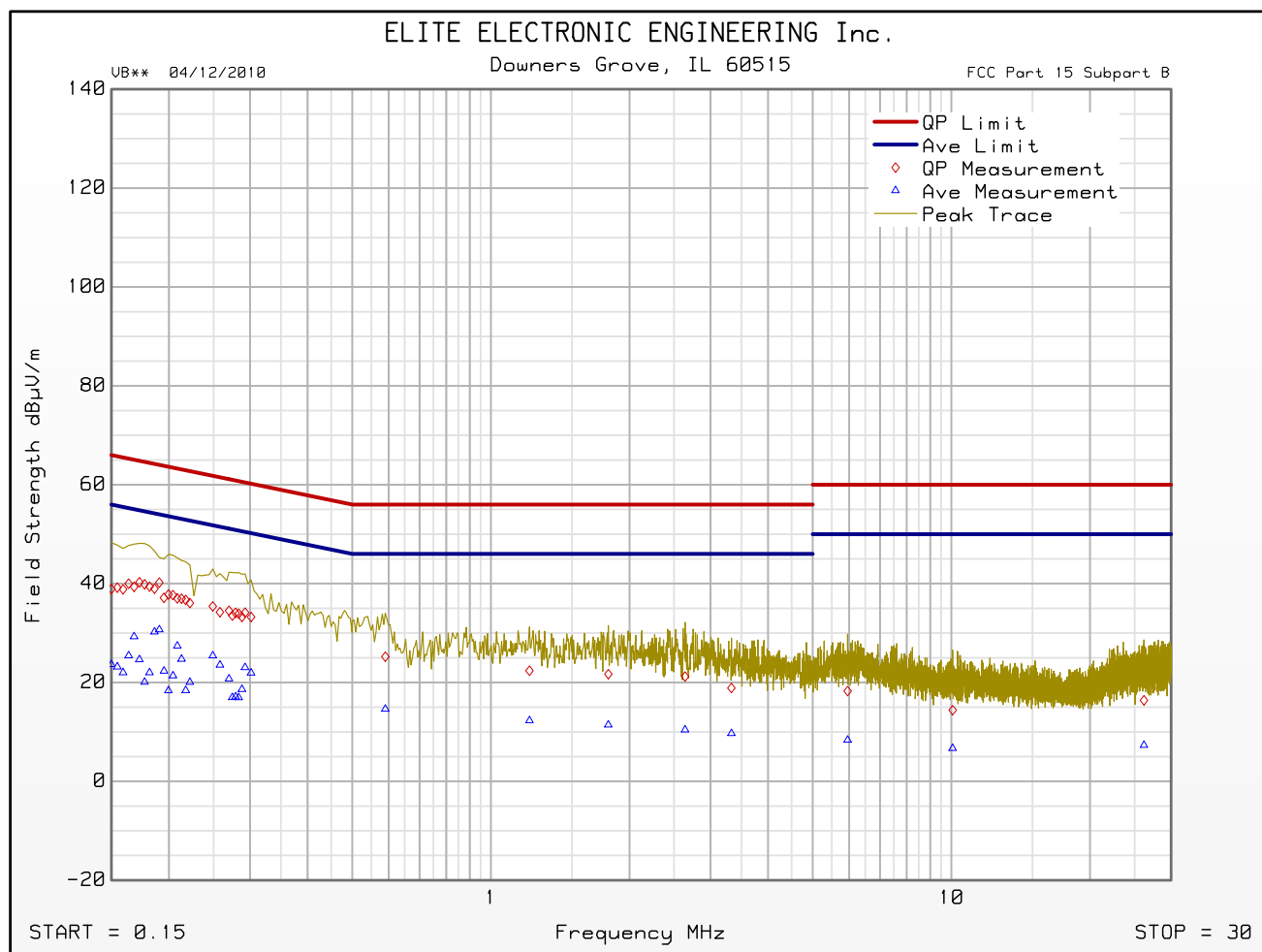


## FCC Part 15 Subpart B Conducted Emissions Test

### Cumulative Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision : 1.1  
Serial Number : 6088  
DUT Mode : Tx @ 2441MHz  
Line Tested : L2  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes : HEADSET NTN2575A  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 03:00:44 PM



Emissions Meet QP Limit  
Emissions Meet Ave Limit



## FCC Part 15 Subpart B Conducted Emissions Test

### Significant Emissions Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number :  
DUT Mode : Tx @ 2441MHz  
Line Tested : L1  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes :  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:26:14 PM  
Data Filter : Up to 80 maximum levels detected with 6 dB level excursion threshold over 10 dB margin below limit

| Freq MHz | Quasi-peak Level dB $\mu$ V/m | Quasi-peak Limit dB $\mu$ V/m | Excessive Quasi-peak Emissions | Average Level dB $\mu$ V/m | Average Limit dB $\mu$ V/m | Excessive Average Emissions |
|----------|-------------------------------|-------------------------------|--------------------------------|----------------------------|----------------------------|-----------------------------|
| 0.159    | 42.3                          | 65.5                          |                                | 23.1                       | 55.5                       |                             |
| 0.495    | 26.9                          | 56.1                          |                                | 15.6                       | 46.1                       |                             |
| 0.527    | 26.8                          | 56.0                          |                                | 15.4                       | 46.0                       |                             |
| 0.925    | 26.0                          | 56.0                          |                                | 14.2                       | 46.0                       |                             |
| 1.462    | 25.6                          | 56.0                          |                                | 13.1                       | 46.0                       |                             |
| 2.309    | 24.8                          | 56.0                          |                                | 12.2                       | 46.0                       |                             |
| 3.725    | 22.1                          | 56.0                          |                                | 10.3                       | 46.0                       |                             |
| 5.500    | 23.7                          | 60.0                          |                                | 10.4                       | 50.0                       |                             |
| 10.436   | 19.0                          | 60.0                          |                                | 8.0                        | 50.0                       |                             |
| 25.268   | 20.2                          | 60.0                          |                                | 8.7                        | 50.0                       |                             |

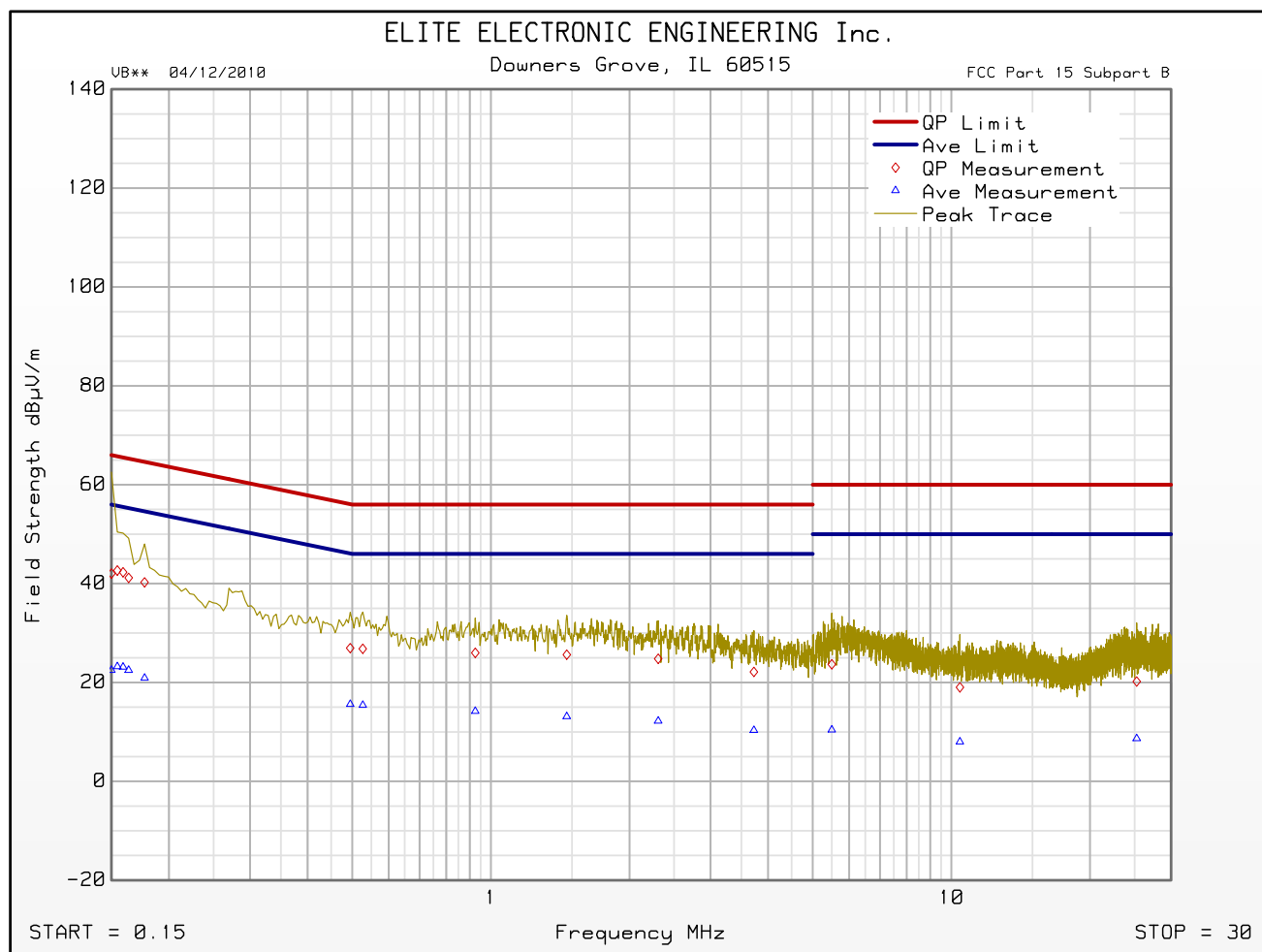


## FCC Part 15 Subpart B Conducted Emissions Test

### Cumulative Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number :  
DUT Mode : Tx @ 2441MHz  
Line Tested : L1  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes :  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:26:14 PM



Emissions Meet QP Limit  
Emissions Meet Ave Limit



## FCC Part 15 Subpart B Conducted Emissions Test

### Significant Emissions Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number :  
DUT Mode : Tx @ 2441MHz  
Line Tested : L2  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes :  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:33:16 PM  
Data Filter : Up to 80 maximum levels detected with 6 dB level excursion threshold over 10 dB margin below limit

| Freq MHz | Quasi-peak Level dB $\mu$ V/m | Quasi-peak Limit dB $\mu$ V/m | Excessive Quasi-peak Emissions | Average Level dB $\mu$ V/m | Average Limit dB $\mu$ V/m | Excessive Average Emissions |
|----------|-------------------------------|-------------------------------|--------------------------------|----------------------------|----------------------------|-----------------------------|
| 0.159    | 42.3                          | 65.5                          |                                | 22.7                       | 55.5                       |                             |
| 0.288    | 32.8                          | 60.6                          |                                | 16.8                       | 50.6                       |                             |
| 0.536    | 25.2                          | 56.0                          |                                | 14.1                       | 46.0                       |                             |
| 1.159    | 22.7                          | 56.0                          |                                | 12.4                       | 46.0                       |                             |
| 1.768    | 21.6                          | 56.0                          |                                | 11.4                       | 46.0                       |                             |
| 2.934    | 20.1                          | 56.0                          |                                | 9.9                        | 46.0                       |                             |
| 3.208    | 19.3                          | 56.0                          |                                | 9.8                        | 46.0                       |                             |
| 6.058    | 19.2                          | 60.0                          |                                | 8.6                        | 50.0                       |                             |
| 9.158    | 15.4                          | 60.0                          |                                | 7.1                        | 50.0                       |                             |
| 29.489   | 16.4                          | 60.0                          |                                | 7.6                        | 50.0                       |                             |

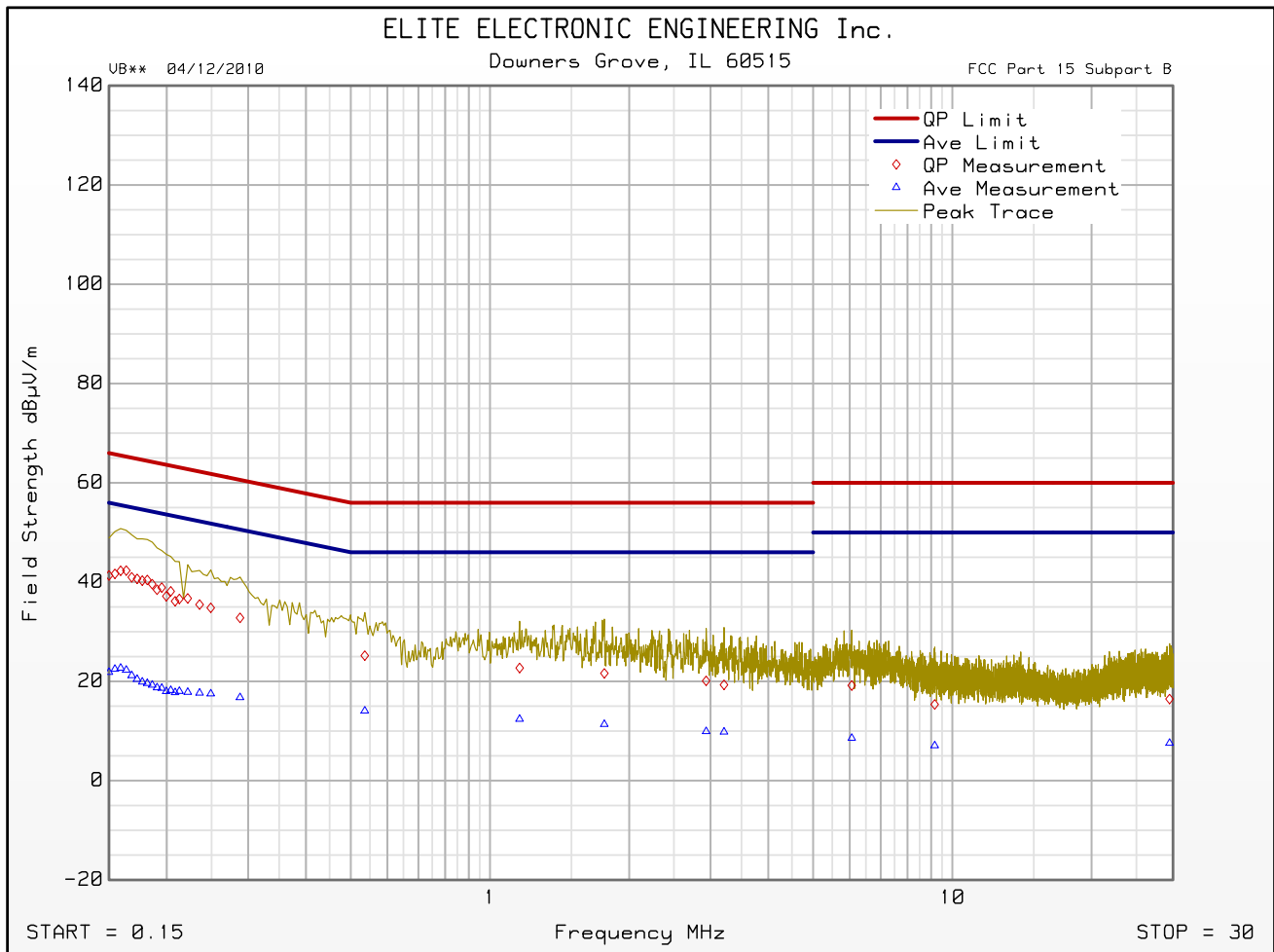


## FCC Part 15 Subpart B Conducted Emissions Test

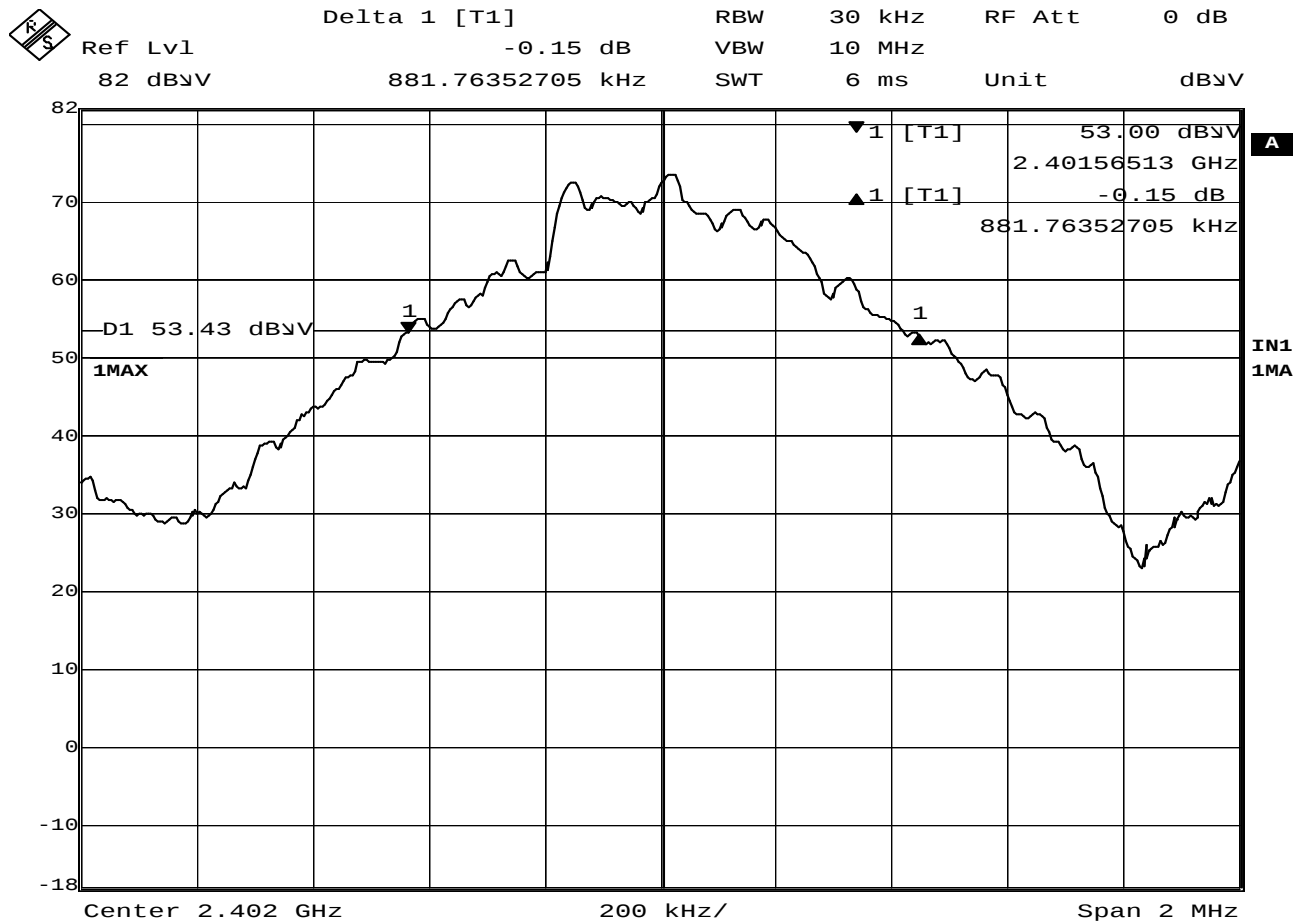
### Cumulative Data

VB\*\* 04/12/2010

Manufacturer : MOTOROLA INC.  
Model : NTN2574A  
DUT Revision :  
Serial Number :  
DUT Mode : Tx @ 2441MHz  
Line Tested : L2  
Scan Step Time [ms] : 30  
Meas. Threshold [dB] : -10  
Notes :  
Test Engineer : R. King  
Limit : Class B  
Test Date : Aug 16, 2010 02:33:16 PM



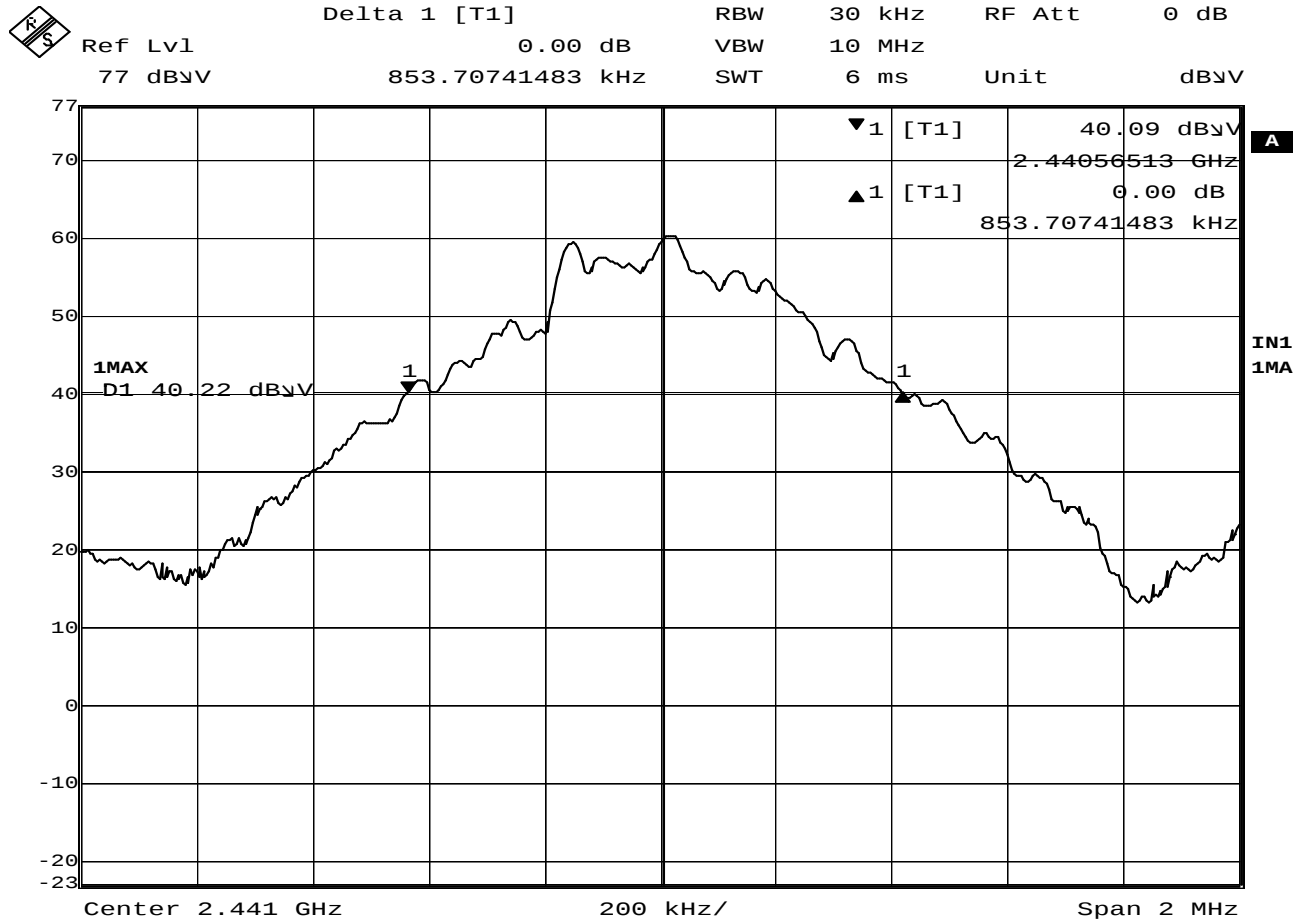
Emissions Meet QP Limit  
Emissions Meet Ave Limit



Date: 21.JUL.2010 13:47:58

**15.247(a)(1) 20dB band width**

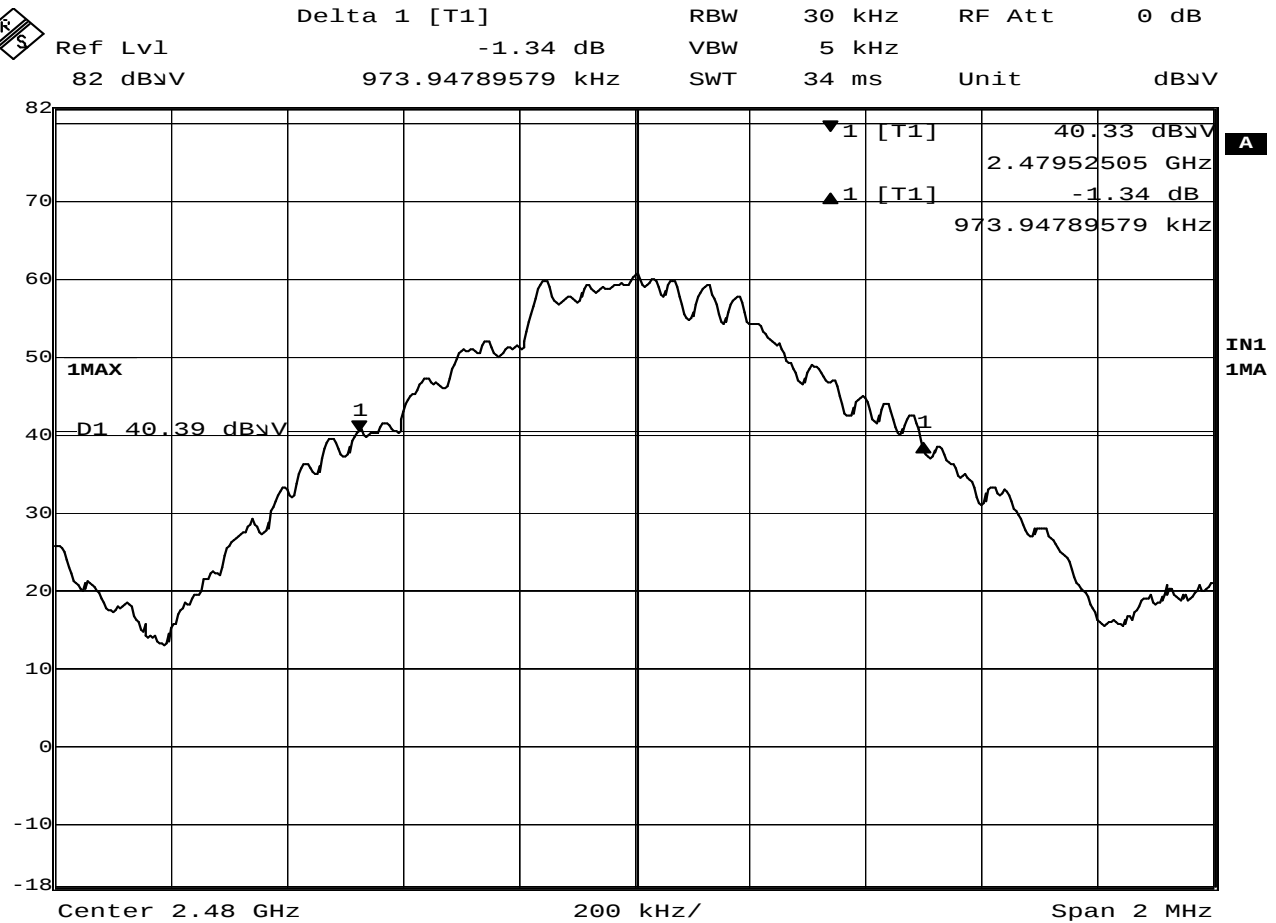
MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Tx @ 2402MHz  
TEST DATE : July 21, 2010  
TEST PARAMETERS : 20dB band width  
NOTES : 20dB bandwidth = 881.8kHz  
EQUIPMENT USED : RBB0, NWQ1



Date: 21.JUL.2010 12:23:40

**15.247(a)(1) 20dB bandwidth**

MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Tx @ 2441MHz  
TEST DATE : July 21, 2010  
TEST PARAMETERS : 20dB bandwidth  
NOTES : 20dB bandwidth = 853.7kHz  
EQUIPMENT USED : RBB0, NWQ1



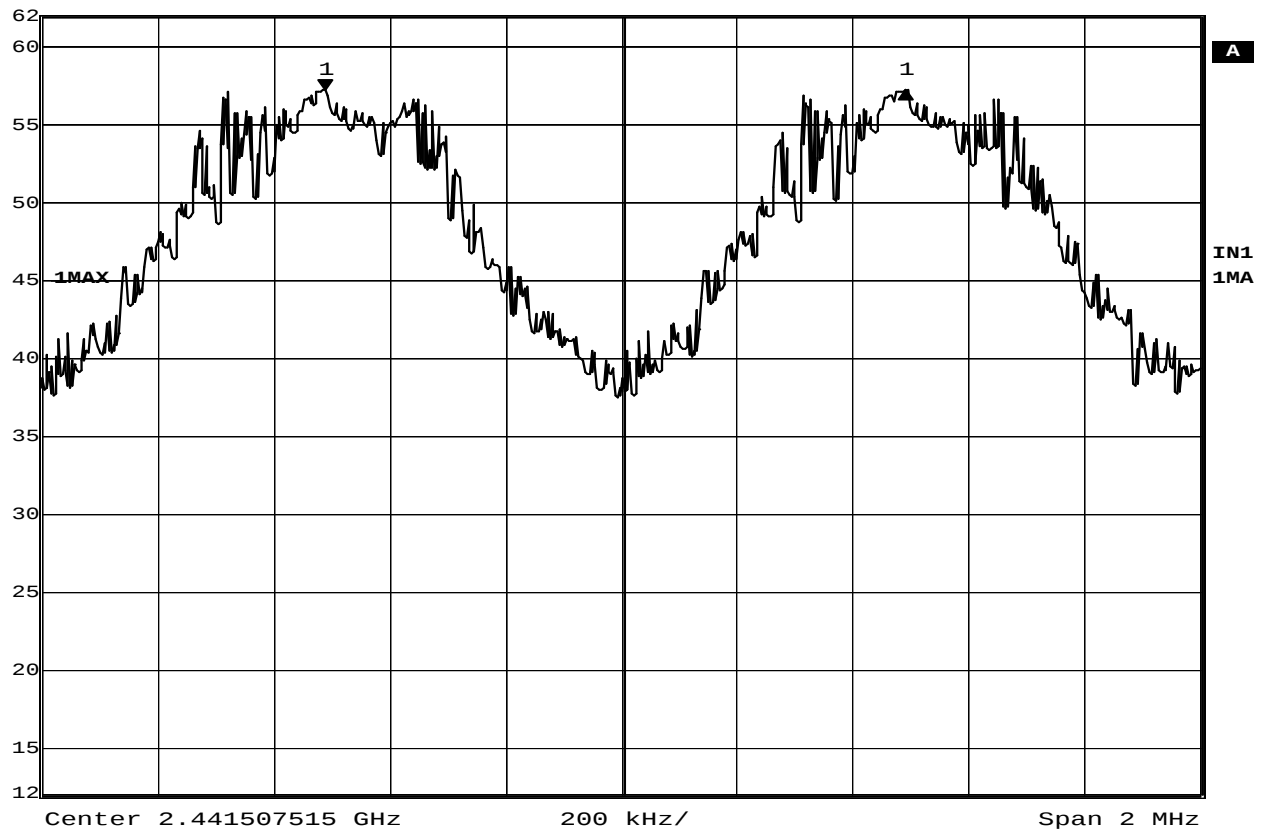
Date: 21.JUL.2010 14:05:33

**15.247(a)(1) 20dB band width**

MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Tx @ 2480MHz  
TEST DATE : July 21, 2010  
TEST PARAMETERS : 20dB band width  
NOTES : 20dB bandwidth = 973.9kHz  
EQUIPMENT USED : RBB0, NWQ1



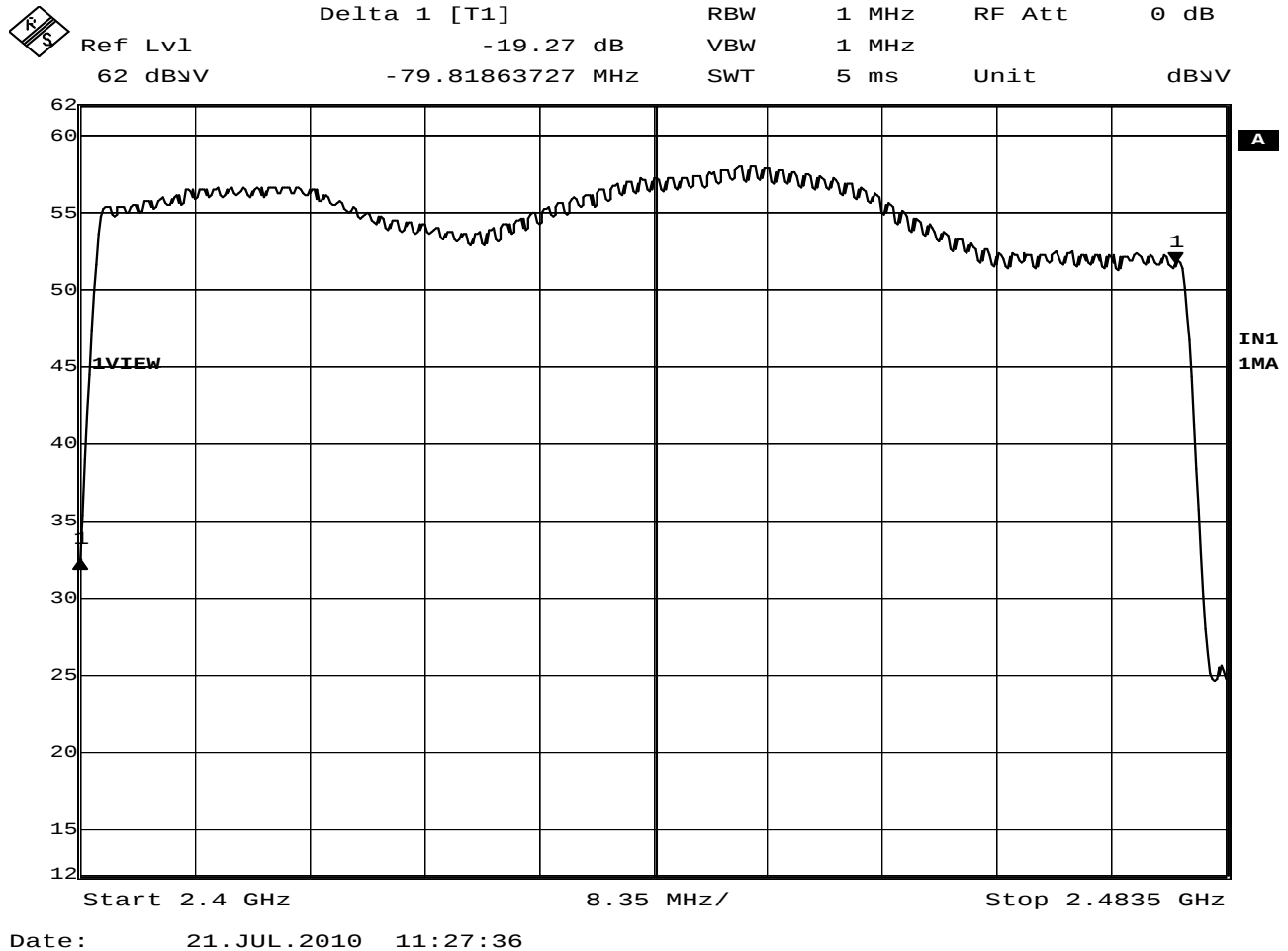
Delta 1 [T1] RBW 100 kHz RF Att 0 dB  
Ref Lvl 0.02 dB VBW 100 kHz  
62 dBμV 1.00200401 MHz SWT 5 ms Unit dBμV



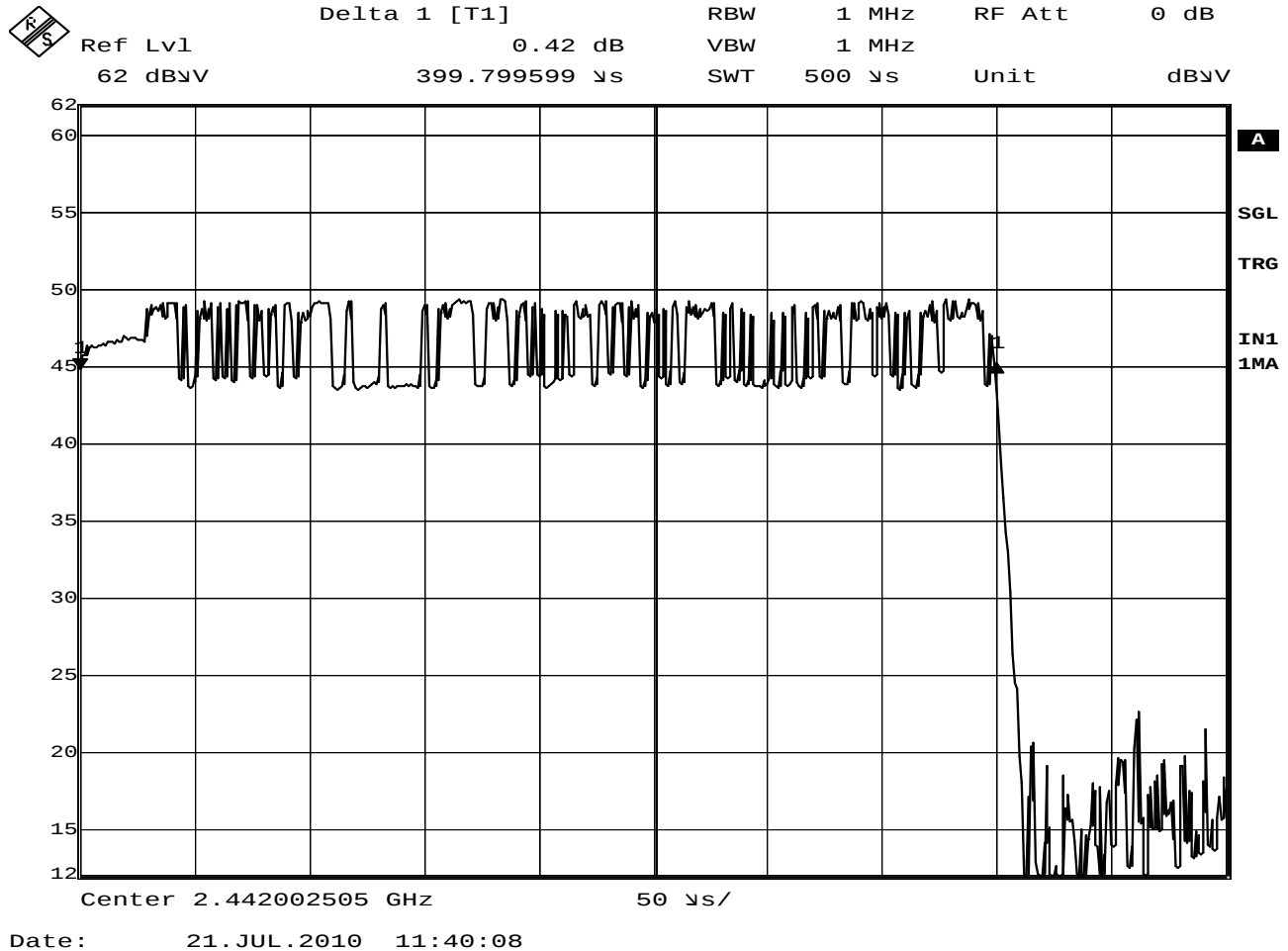
Date: 21.JUL.2010 11:35:45

### 15.247(a)(1) Carrier Frequency Separation

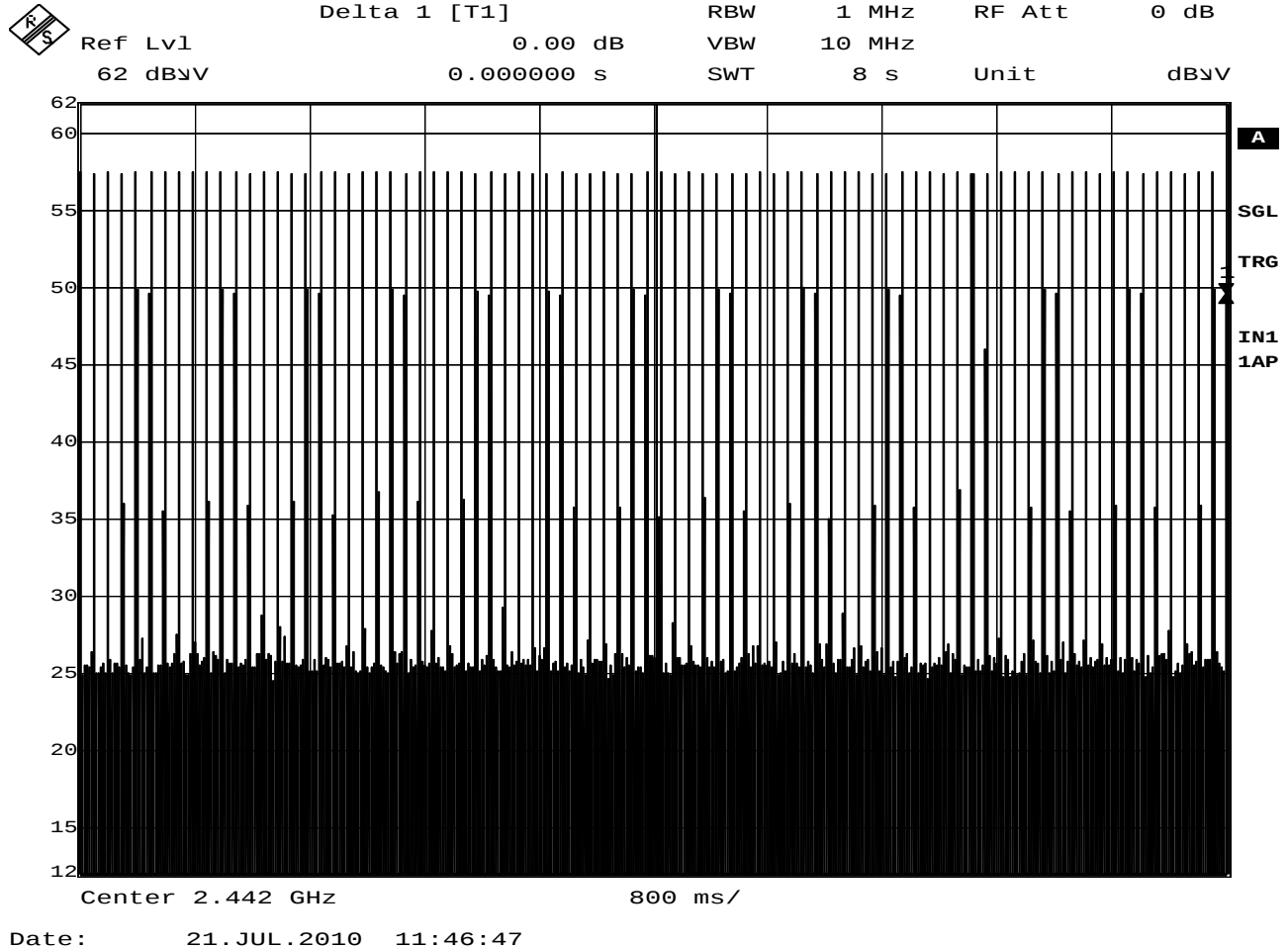
MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Frequency Hopping Enabled  
TEST DATE : July 21, 2010  
TEST PARAMETERS : Carrier Frequency Separation  
NOTES : Carrier Frequency Separation = 1MHz  
EQUIPMENT USED : RBB0, NWQ1

**15.247(b)(1) Number of Hopping Frequencies**

MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Frequency Hopping Enabled  
TEST DATE : July 21, 2010  
TEST PARAMETERS : Number of Hopping Frequencies  
NOTES : Number of Hopping Frequencies = 79  
EQUIPMENT USED : RBB0, NWQ1

**15.247(a)(1)(iii) Time of Occupance**

MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Frequency Hopping Enabled  
TEST DATE : July 21, 2010  
TEST PARAMETERS : Time of Occupancy  
NOTES : 1 pulse = 400μsec  
EQUIPMENT USED : RBB0, NWQ1

**15.247(a)(1)(iii) Time of Occupancy**

MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : Frequency Hopping Enabled  
TEST DATE : July 21, 2010  
TEST PARAMETERS : For frequency hopping systems operating in the 2400-2483.5MHz band, the average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed. Number of hopping channels = 79.  $79 \times 0.4 = 31.6$  sec.

NOTES : Number of pulses in 8 seconds = 82. Therefore the number of pulses in 31.6 seconds =  $82 \times ((31.6)/8) = 324$  pulses. Each pulse is 400usec. Therefore time of occupancy =  $400\text{usec} \times 324 \text{ pulses} = 0.1296 \text{ sec.}$

EQUIPMENT USED : RBB0, NWQ1



MANUFACTURER : Motorola  
 MODEL NUMBER : NTN2574A  
 SERIAL NUMBER :  
 TEST MODE : See Below  
 TEST DATE : July 21 and 22, 2010  
 TEST PARAMETERS : Peak EIRP  
 NOTES :  
 EQUIPMENT USED : RBB0, NWQ1, NWH0, GRE0, CMA1

| Freq<br>MHz                                 | Ant<br>Pol | Meter<br>Reading<br>dBuV |  | Matched<br>Signal<br>Generator<br>dB | Ant<br>Gain<br>dB | Cable<br>Factor<br>dB | EIRP<br>Total<br>dBm | Limit<br>dBm |
|---------------------------------------------|------------|--------------------------|--|--------------------------------------|-------------------|-----------------------|----------------------|--------------|
| NTN2574A with NTN2572A No AC Power          |            |                          |  |                                      |                   |                       |                      |              |
| 2402.0                                      | H          | 73.8                     |  | 4.5                                  | 8.7               | 3.0                   | 10.2                 | 36.0         |
| 2402.0                                      | V          | 65.9                     |  | -1.7                                 | 8.7               | 3.0                   | 4.0                  | 36.0         |
| 2441.0                                      | H          | 72.6                     |  | 4.5                                  | 8.7               | 3.1                   | 10.1                 | 36.0         |
| 2441.0                                      | V          | 64.6                     |  | -3.4                                 | 8.7               | 3.1                   | 2.2                  | 36.0         |
| 2480.0                                      | H          | 70.6                     |  | 1.6                                  | 8.8               | 3.1                   | 7.3                  | 36.0         |
| 2480.0                                      | V          | 62.5                     |  | -4.3                                 | 8.8               | 3.1                   | 1.4                  | 36.0         |
| NTN2574A with NTN2572A with AC Power Supply |            |                          |  |                                      |                   |                       |                      |              |
| 2402.0                                      | H          | 73.5                     |  | 4.2                                  | 8.7               | 3.0                   | 9.9                  | 36.0         |
| 2402.0                                      | V          | 66.4                     |  | -1.2                                 | 8.7               | 3.0                   | 4.5                  | 36.0         |
| 2441.0                                      | H          | 72.2                     |  | 4.1                                  | 8.7               | 3.1                   | 9.7                  | 36.0         |
| 2441.0                                      | V          | 63.1                     |  | -4.9                                 | 8.7               | 3.1                   | 0.7                  | 36.0         |
| 2480.0                                      | H          | 70.2                     |  | 1.2                                  | 8.8               | 3.1                   | 6.9                  | 36.0         |
| 2480.0                                      | V          | 65.1                     |  | -1.7                                 | 8.8               | 3.1                   | 4.0                  | 36.0         |
| NTN2574A with NTN2575A No AC Power          |            |                          |  |                                      |                   |                       |                      |              |
| 2402.0                                      | H          | 76.5                     |  | 7.2                                  | 8.7               | 3.0                   | 12.9                 | 36.0         |
| 2402.0                                      | V          | 66.9                     |  | -0.7                                 | 8.7               | 3.0                   | 5.0                  | 36.0         |
| 2441.0                                      | H          | 72.8                     |  | 4.7                                  | 8.7               | 3.1                   | 10.3                 | 36.0         |
| 2441.0                                      | V          | 67.6                     |  | -0.4                                 | 8.7               | 3.1                   | 5.2                  | 36.0         |
| 2480.0                                      | H          | 73.2                     |  | 4.2                                  | 8.8               | 3.1                   | 9.9                  | 36.0         |
| 2480.0                                      | V          | 67.2                     |  | 0.4                                  | 8.8               | 3.1                   | 6.1                  | 36.0         |



MANUFACTURER : Motorola  
MODEL NUMBER : NTN2574A  
SERIAL NUMBER :  
TEST MODE : See Below  
TEST DATE : July 21 and 22, 2010  
TEST PARAMETERS : Peak EIRP  
NOTES :  
EQUIPMENT USED : RBB0, NWQ1, NWH0, GRE0, CMA1

| Freq<br>MHz                                        | Ant<br>Pol | Meter<br>Reading<br>dBuV |  | Matched<br>Signal<br>Generator<br>dB | Ant<br>Gain<br>dB | Cable<br>Factor<br>dB | EIRP<br>Total<br>dBm | Limit<br>dBm |
|----------------------------------------------------|------------|--------------------------|--|--------------------------------------|-------------------|-----------------------|----------------------|--------------|
| NTN2574A with NTN2575 with AC Power Supply         |            |                          |  |                                      |                   |                       |                      |              |
| 2402.0                                             | H          | 68.1                     |  | -1.2                                 | 8.7               | 3.0                   | 4.5                  | 36.0         |
| 2402.0                                             | V          | 67.0                     |  | -0.6                                 | 8.7               | 3.0                   | 5.1                  | 36.0         |
| 2441.0                                             | H          | 74.4                     |  | 6.3                                  | 8.7               | 3.1                   | 11.9                 | 36.0         |
| 2441.0                                             | V          | 67.8                     |  | -0.2                                 | 8.7               | 3.1                   | 5.4                  | 36.0         |
| 2480.0                                             | H          | 74.1                     |  | 5.1                                  | 8.8               | 3.1                   | 10.8                 | 36.0         |
| 2480.0                                             | V          | 67.9                     |  | 1.1                                  | 8.8               | 3.1                   | 6.8                  | 36.0         |
| NTN2574A with no Accessories, No AC Power          |            |                          |  |                                      |                   |                       |                      |              |
| 2402.0                                             | H          | 72.2                     |  | 2.9                                  | 8.7               | 3.0                   | 8.6                  | 36.0         |
| 2402.0                                             | V          | 64.5                     |  | -3.1                                 | 8.7               | 3.0                   | 2.6                  | 36.0         |
| 2441.0                                             | H          | 72.3                     |  | 4.2                                  | 8.7               | 3.1                   | 9.8                  | 36.0         |
| 2441.0                                             | V          | 64.4                     |  | -3.6                                 | 8.7               | 3.1                   | 2.0                  | 36.0         |
| 2480.0                                             | H          | 73.4                     |  | 4.4                                  | 8.8               | 3.1                   | 10.1                 | 36.0         |
| 2480.0                                             | V          | 64.9                     |  | -1.9                                 | 8.8               | 3.1                   | 3.8                  | 36.0         |
| NTN2574A with no Accessories, with AC Power Supply |            |                          |  |                                      |                   |                       |                      |              |
| 2402.0                                             | H          | 71.0                     |  | 1.7                                  | 8.7               | 3.0                   | 7.4                  | 36.0         |
| 2402.0                                             | V          | 67.3                     |  | -0.3                                 | 8.7               | 3.0                   | 5.4                  | 36.0         |
| 2441.0                                             | H          | 70.7                     |  | 2.6                                  | 8.7               | 3.1                   | 8.2                  | 36.0         |
| 2441.0                                             | V          | 66.4                     |  | -1.6                                 | 8.7               | 3.1                   | 4.0                  | 36.0         |
| 2480.0                                             | H          | 72.7                     |  | 3.7                                  | 8.8               | 3.1                   | 9.4                  | 36.0         |
| 2480.0                                             | V          | 68.3                     |  | 1.5                                  | 8.8               | 3.1                   | 7.2                  | 36.0         |

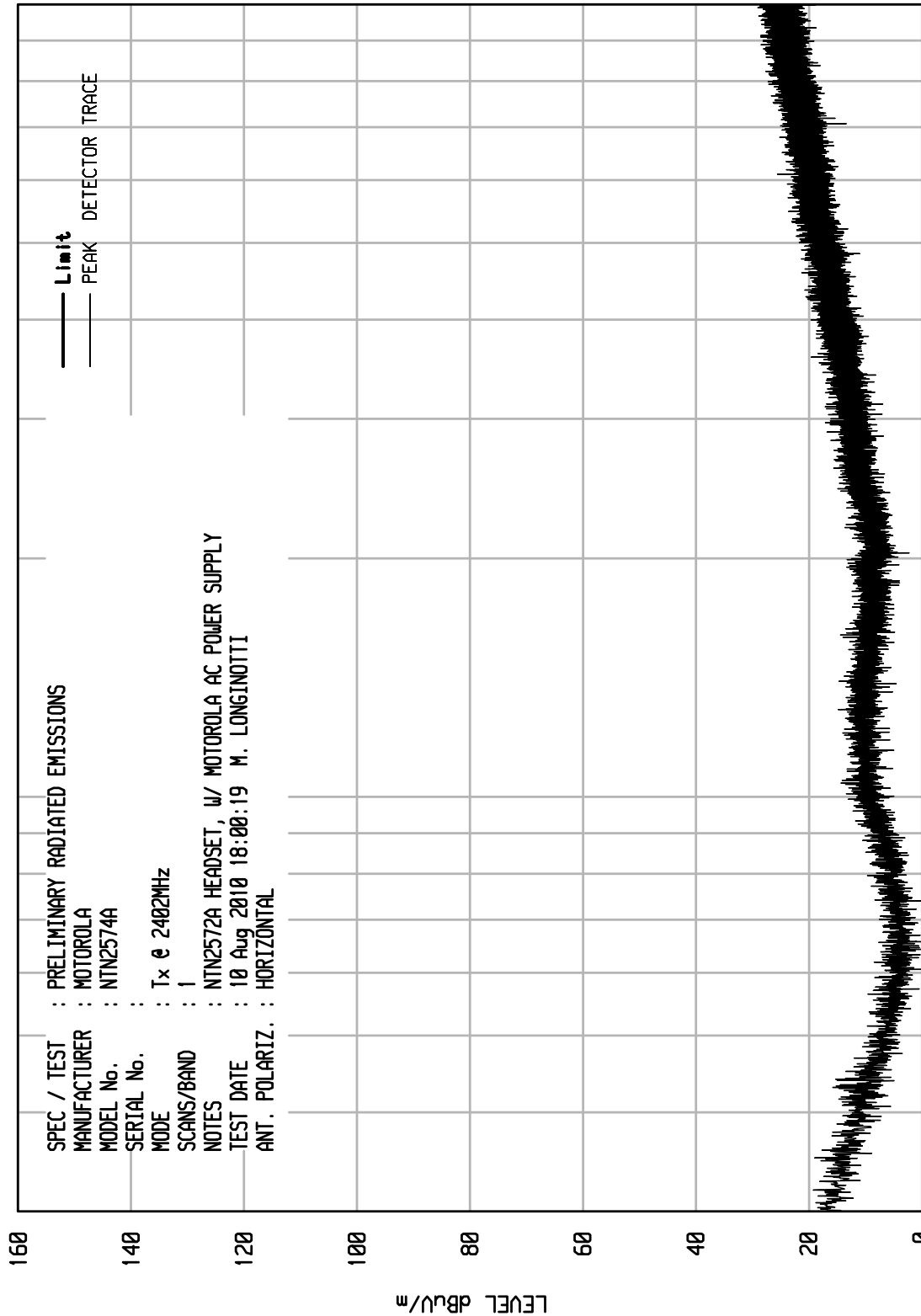


ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

UNIV RCU EMI RUN 63

WKA1 01/25/10



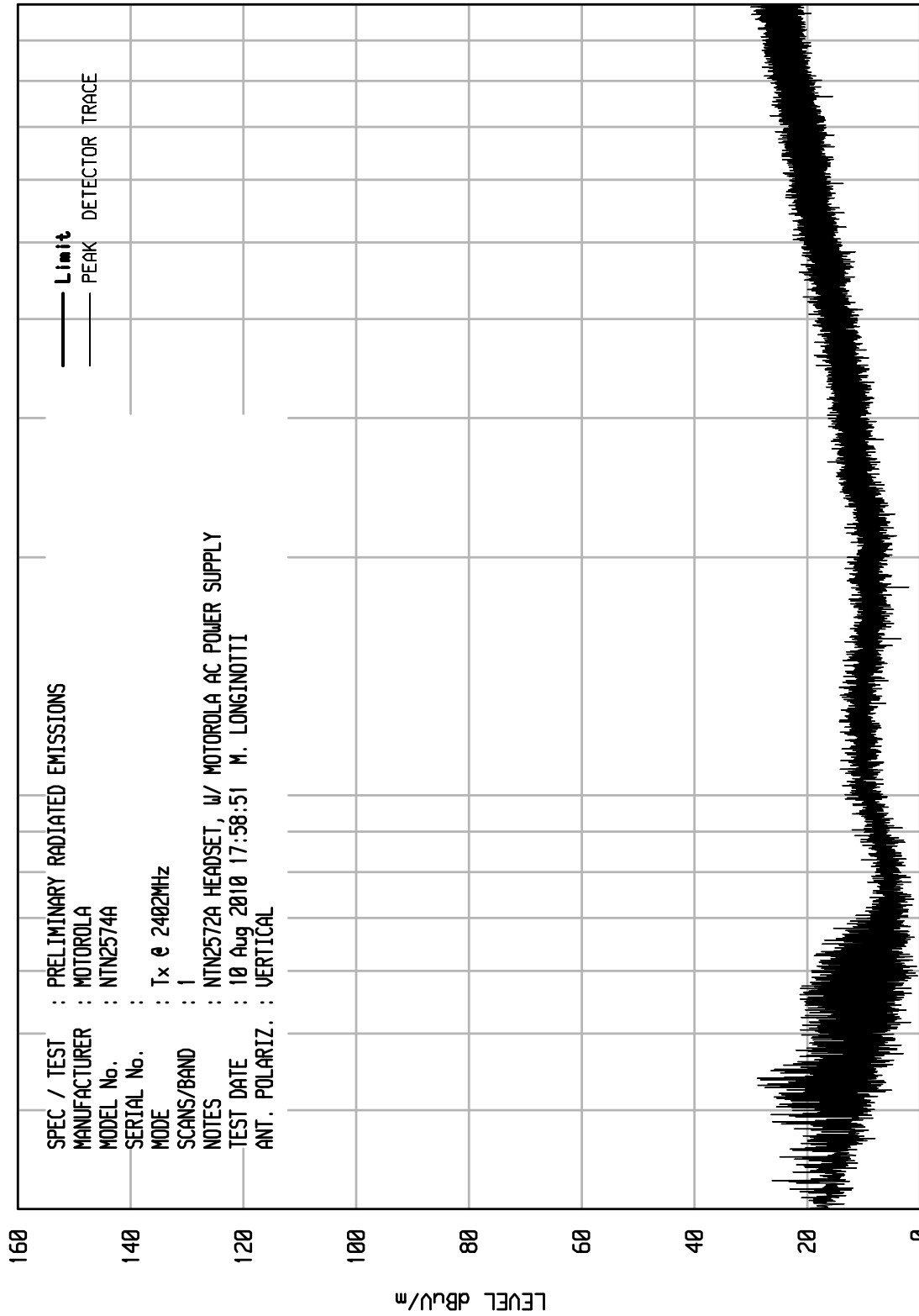


ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

UNIV RCU EMI RUN 62

WKA1 01/25/10

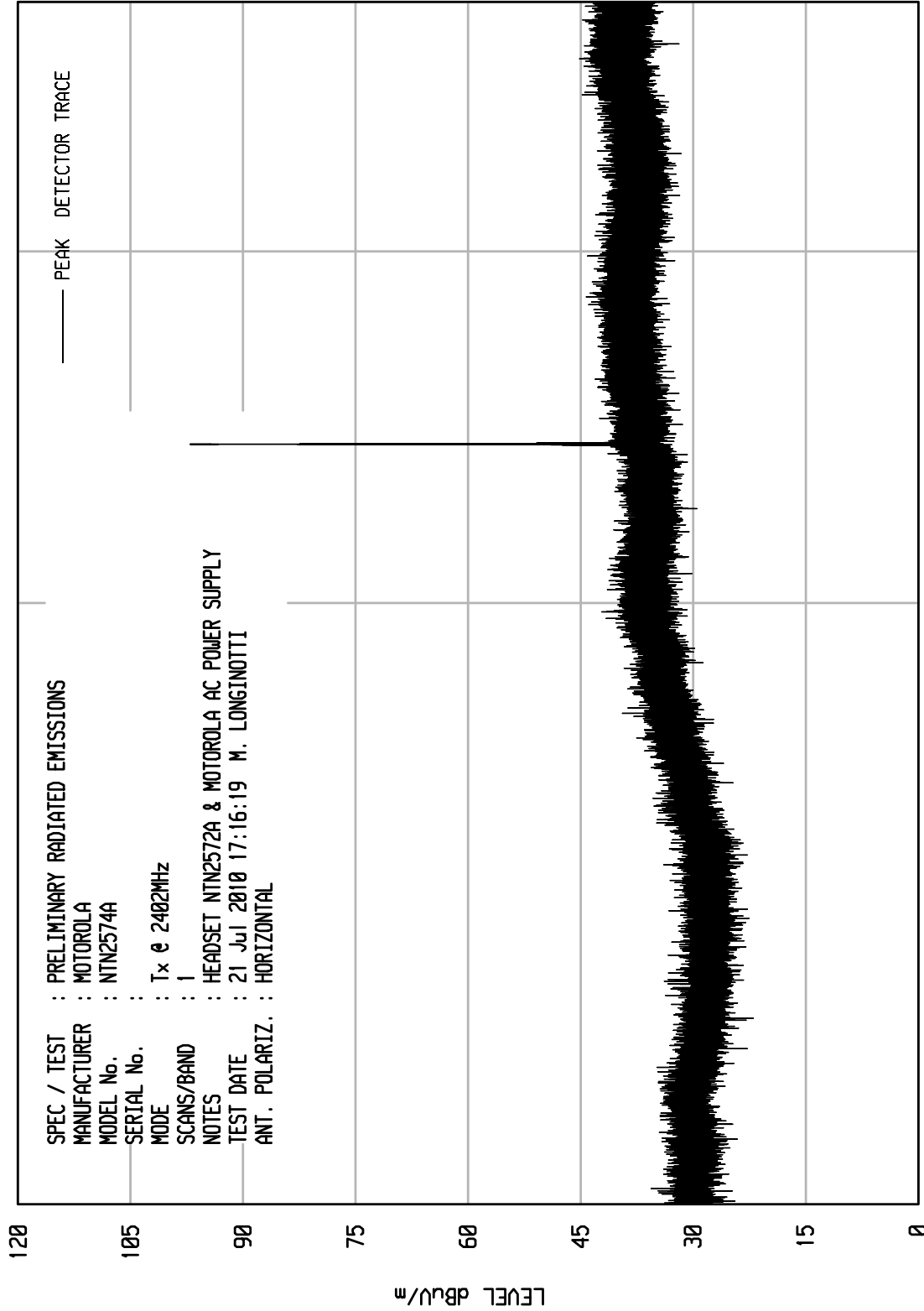




ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNIU RCU EMI RUN 14

WKA1 01/25/10



START = 1000

FREQUENCY MHz

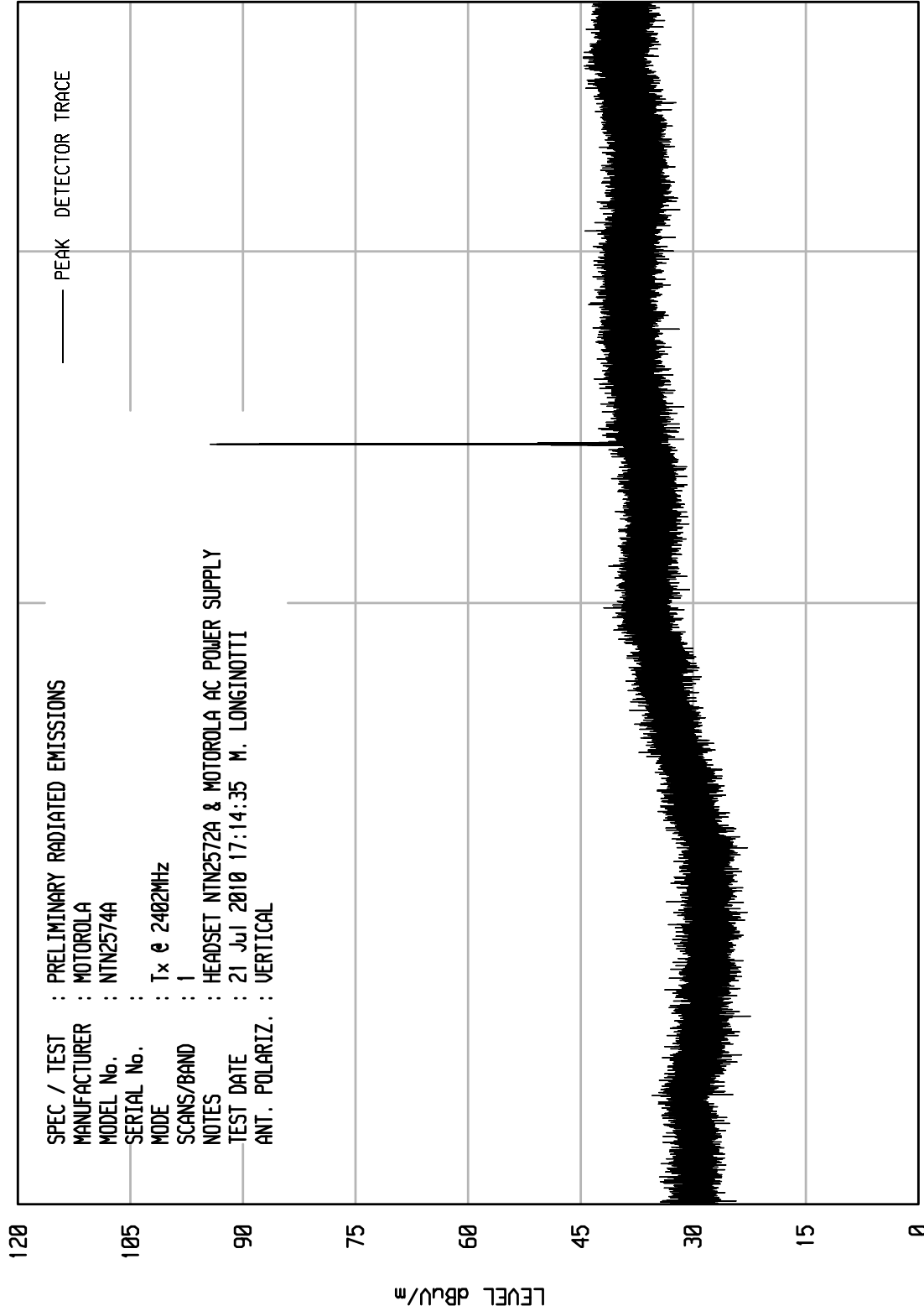
STOP = 4000



ELITE ELECTRONIC ENGINEERING Inc.  
Downers Grove, Ill. 60515

UNIV RCU EMI RUN 13

WKA1 01/25/10



START = 1000

FREQUENCY MHz

STOP = 4000

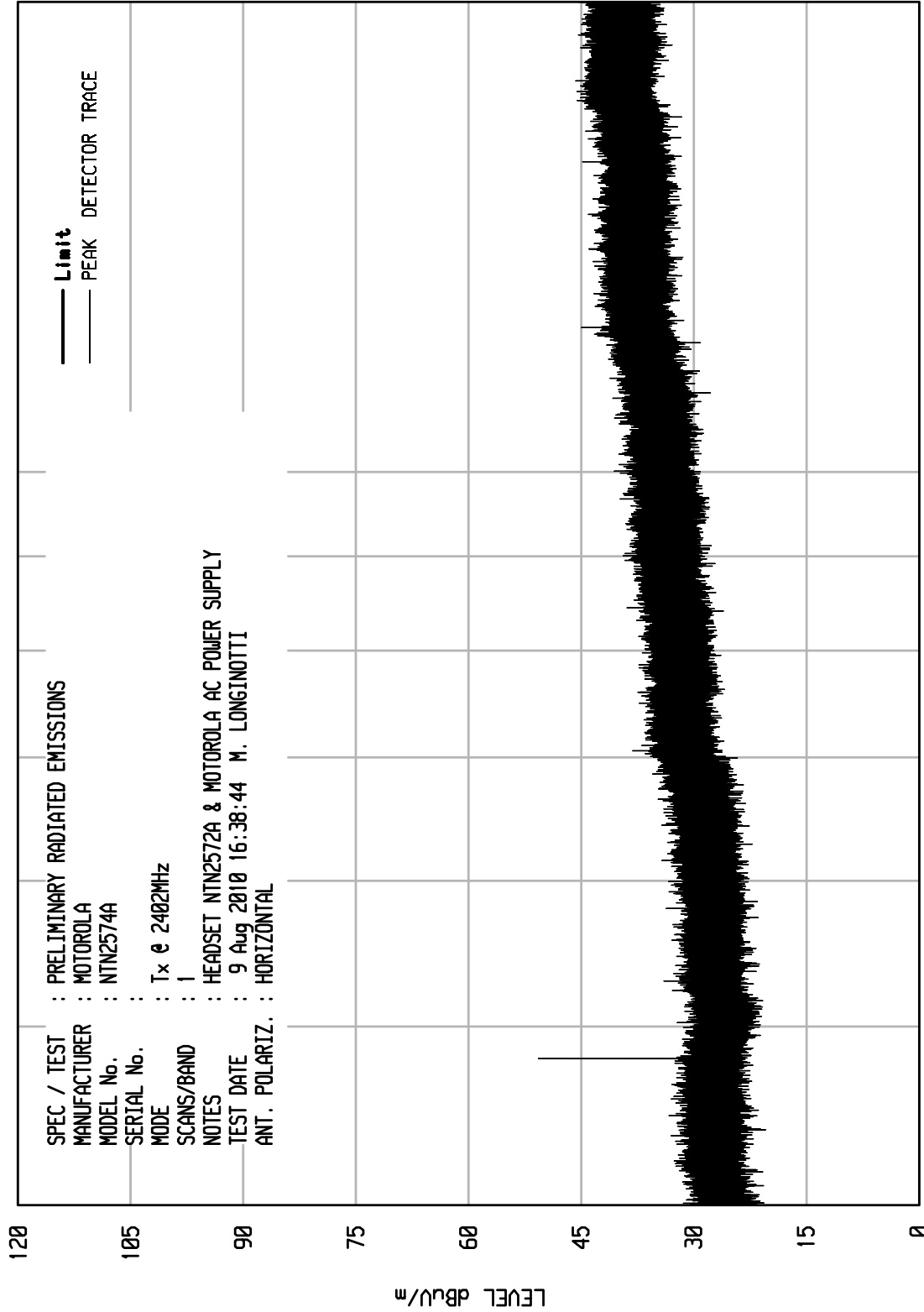


ELITE ELECTRONIC ENGINEERING Inc.

Downers Grove, Ill. 60515

UNIU RCU EMI RUN 4

WKA1 01/25/10



START = 4000

STOP = 18000