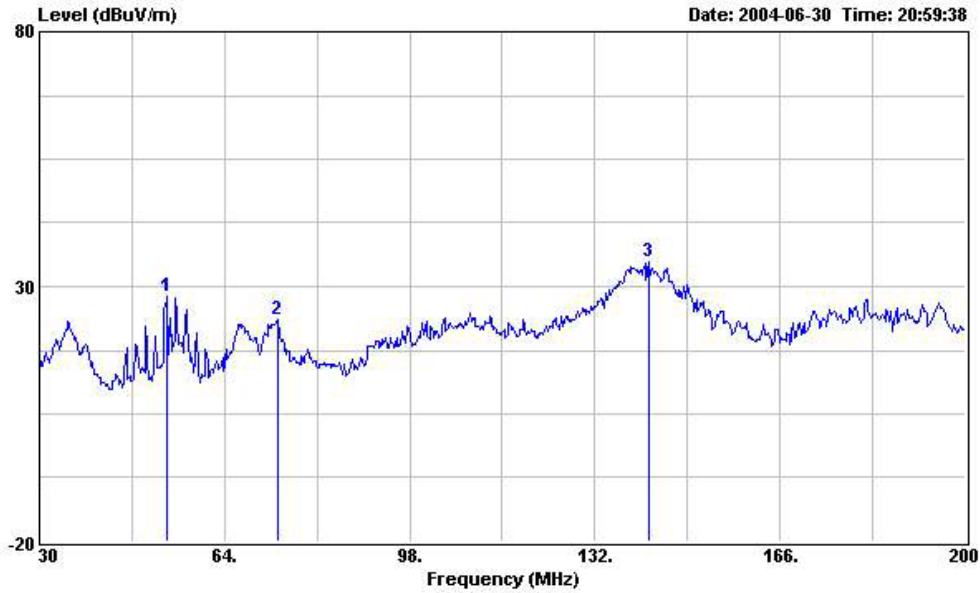


FCC TEST REPORT

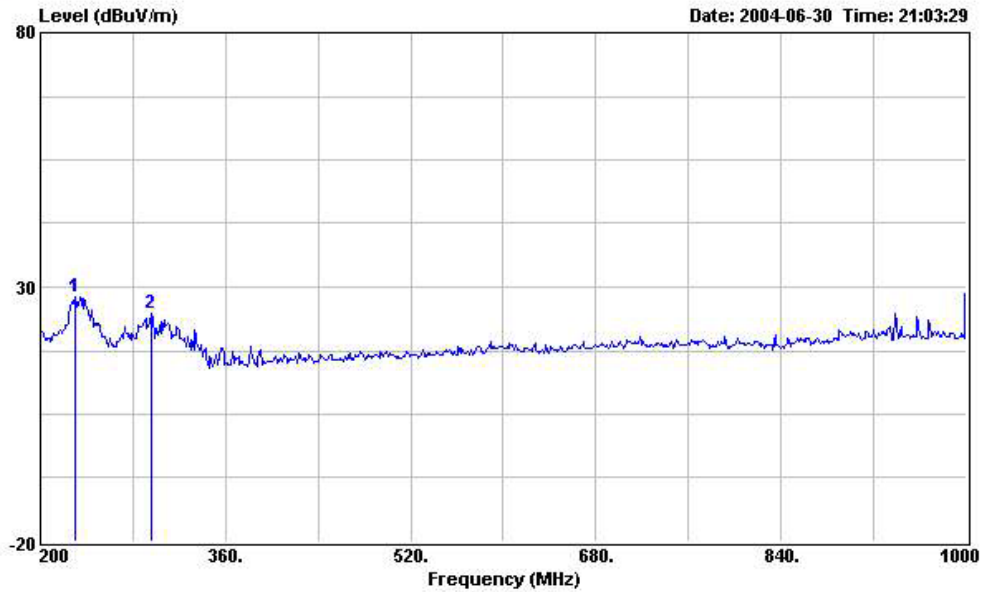
Report No. : F451209

Radiated Scanned Data
 Mode: Adapter
 GSM1900, Horizontal Polarization



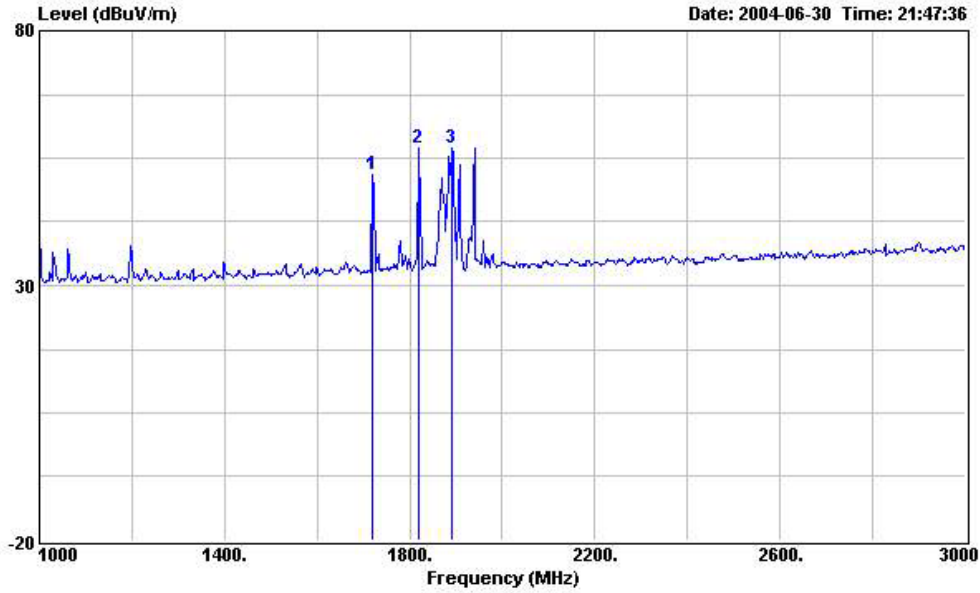
Site : 03CH03-HY
 Condition : 3m BIC-9124--301 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| Freq | Level | Over Limit | | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|------|---------|------------|--------|------------|--------------|------------|---------------|--------|---------|-----------|
| | | Limit | Line | | | | | | | |
| MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 53.460 | 28.12 | ----- | 45.60 | 10.16 | 0.35 | 27.99 | Peak | --- | --- |
| 2 | 73.860 | 23.47 | ----- | 41.97 | 9.06 | 0.39 | 27.95 | Peak | --- | --- |
| 3 | 141.860 | 34.84 | ----- | 50.08 | 11.86 | 0.72 | 27.82 | Peak | --- | --- |



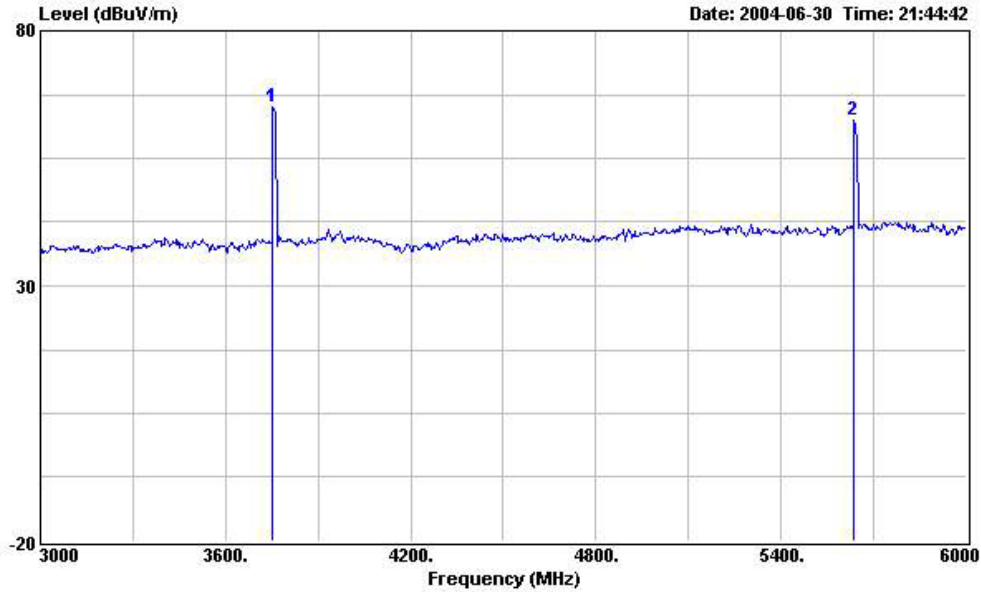
Site : 03CH03-HY
 Condition : 3m LOG-9111-221 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 230.400 | 28.03 | ----- | ----- | 41.22 | 13.45 | 0.94 | 27.58 | Peak | --- | --- |
| 2 | 295.200 | 24.80 | ----- | ----- | 37.97 | 13.06 | 1.09 | 27.32 | Peak | --- | --- |



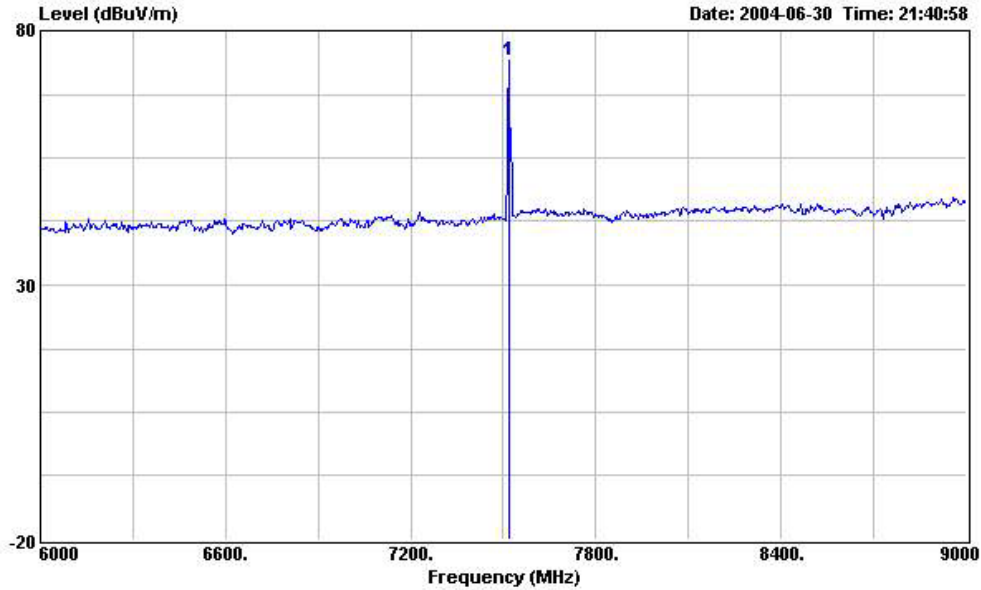
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 1718.000 | 51.81 | ----- | ----- | 65.00 | 26.07 | 1.48 | 40.74 | Peak | --- | --- |
| 2 | 1820.000 | 57.07 | ----- | ----- | 69.93 | 26.45 | 1.49 | 40.80 | Peak | --- | --- |
| 3 | 1892.000 | 56.84 | ----- | ----- | 69.47 | 26.71 | 1.50 | 40.84 | Peak | --- | --- |



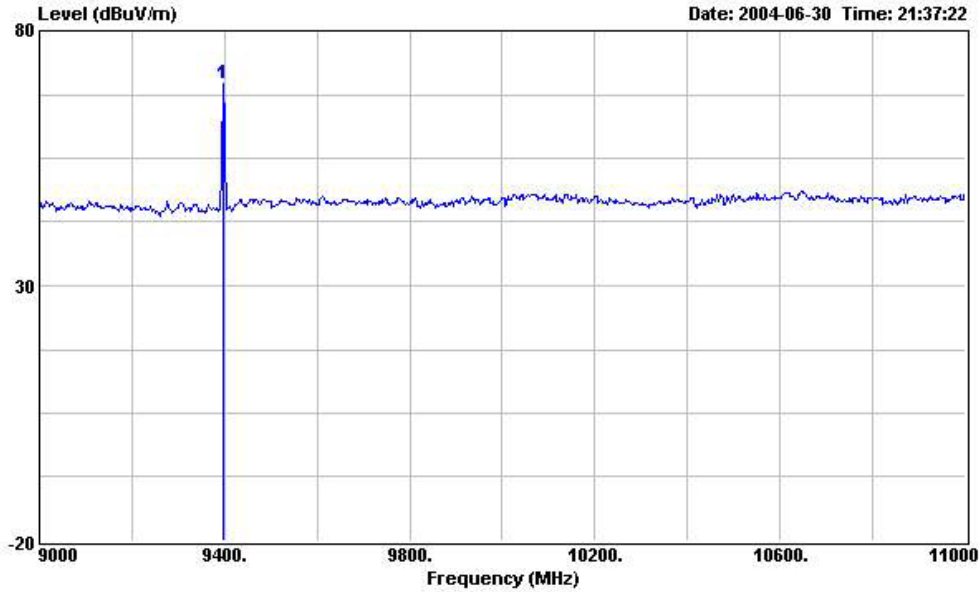
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 3753.000 | 65.12 | ----- | ----- | 72.72 | 32.04 | 1.77 | 41.41 | Peak | --- | --- |
| 2 | 5637.000 | 62.31 | ----- | ----- | 68.43 | 34.46 | 2.58 | 43.16 | Peak | --- | --- |



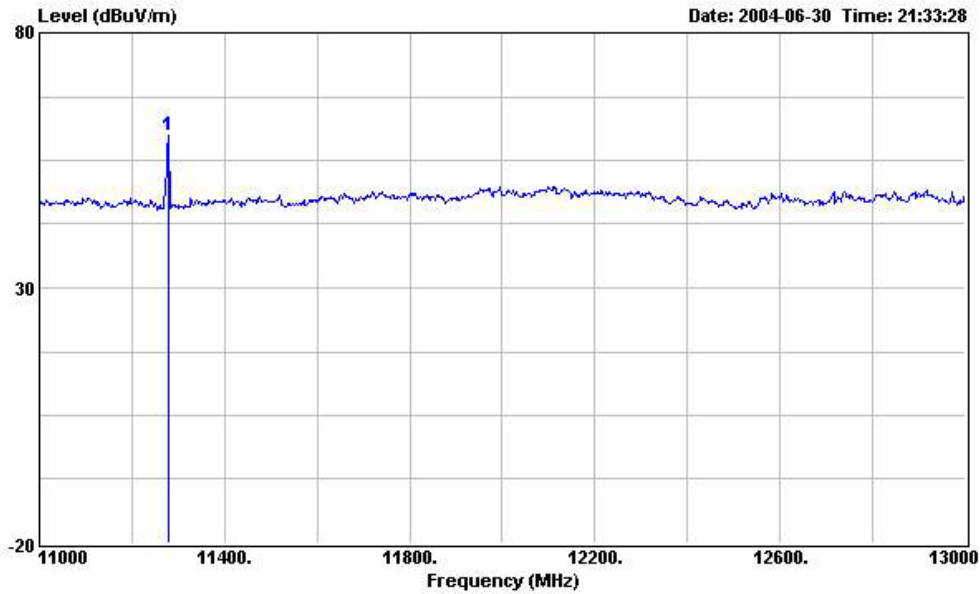
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 7518.000 | 74.06 | ----- | ----- | 77.03 | 36.72 | 2.69 | 42.38 | Peak | --- | --- |



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 9398.000 | 69.56 | ----- | ----- | 67.58 | 38.20 | 3.94 | 40.16 | Peak | --- | --- |



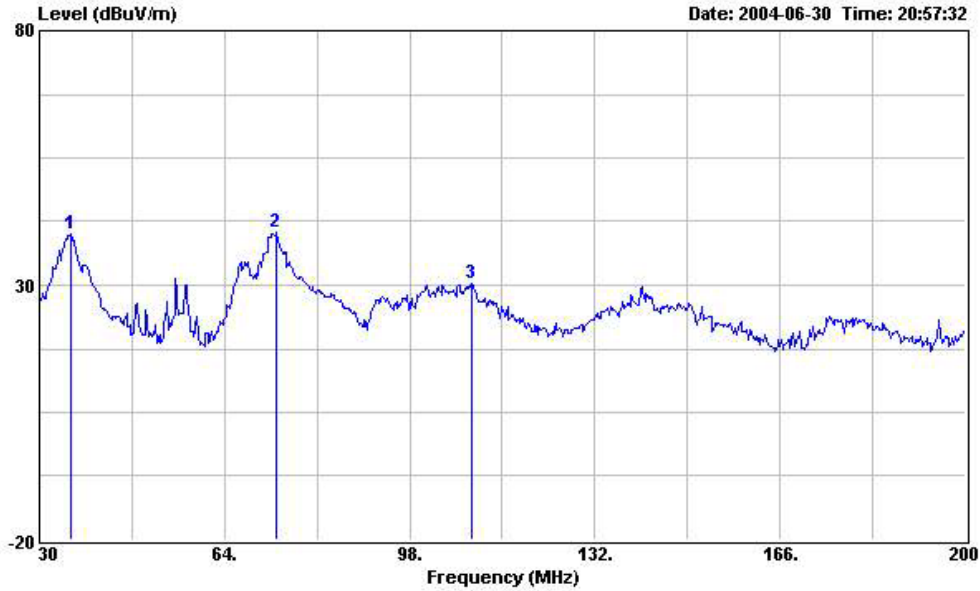
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 11278.000 | 59.90 | ----- | ----- | 56.43 | 39.20 | 4.21 | 39.94 | Peak | --- | --- |

FCC TEST REPORT

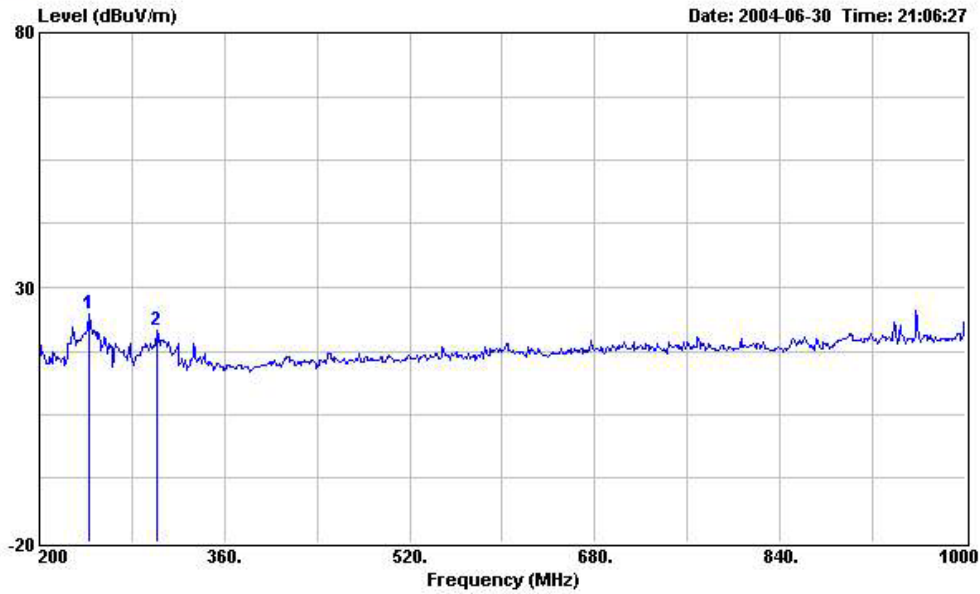
Report No. : F451209

Mode: Adapter
 GSM1900, Vertical Polarization



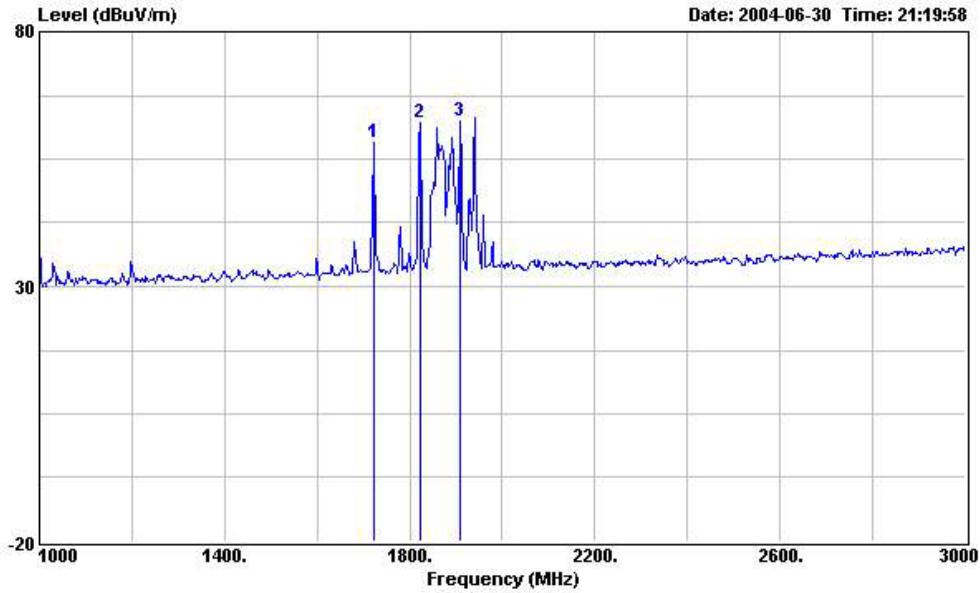
Site : 03CH03-HY
 Condition : 3m BIC-9124--301 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 35.780 | 40.02 | ----- | ----- | 55.02 | 12.79 | 0.24 | 28.03 | Peak | --- | --- |
| 2 | 73.350 | 40.49 | ----- | ----- | 58.99 | 9.04 | 0.41 | 27.95 | Peak | --- | --- |
| 3 | 109.390 | 30.22 | ----- | ----- | 47.15 | 10.40 | 0.55 | 27.88 | Peak | --- | --- |



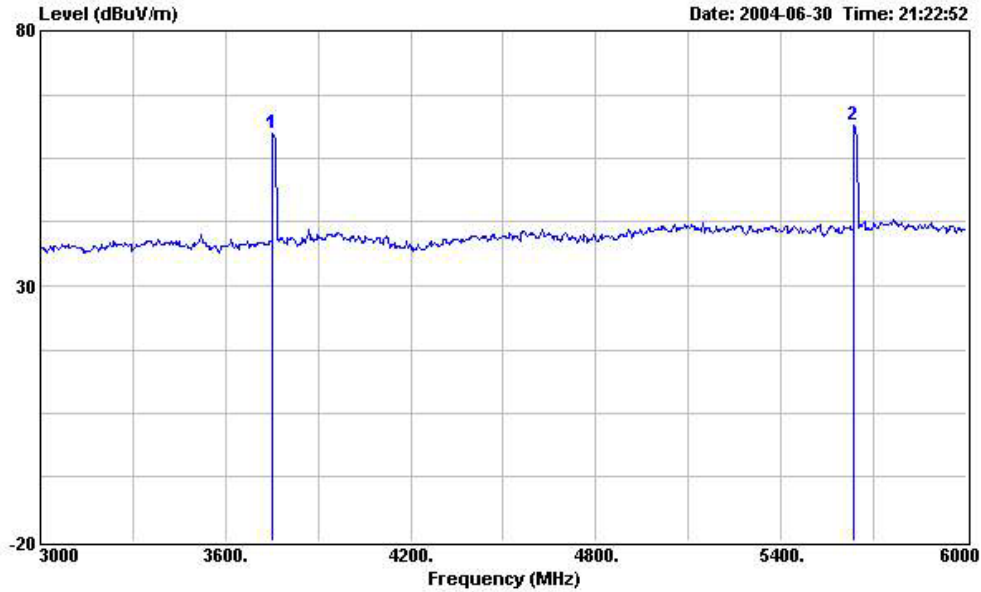
Site : 03CH03-HY
 Condition : 3m LOG-9111-221 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 243.200 | 24.91 | ----- | ----- | 38.82 | 12.69 | 0.93 | 27.53 | Peak | --- | --- |
| 2 | 301.600 | 21.42 | ----- | ----- | 34.39 | 13.30 | 1.04 | 27.31 | Peak | --- | --- |



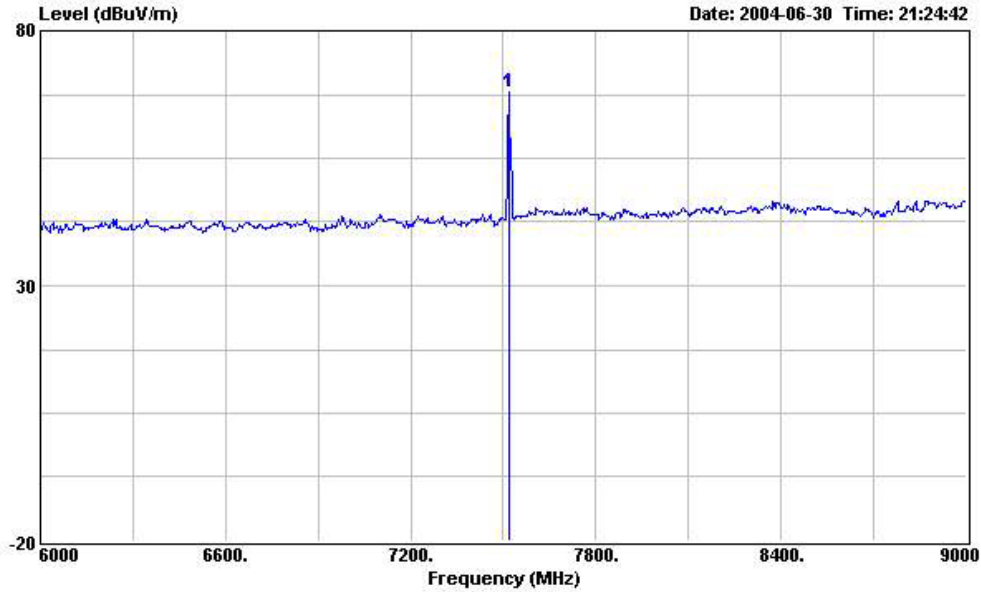
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 1724.000 | 58.25 | ----- | ----- | 71.42 | 26.09 | 1.48 | 40.74 | Peak | --- | --- |
| 2 | 1822.000 | 62.12 | ----- | ----- | 74.98 | 26.45 | 1.49 | 40.80 | Peak | --- | --- |
| 3 | 1910.000 | 62.55 | ----- | ----- | 75.12 | 26.78 | 1.50 | 40.85 | Peak | --- | --- |



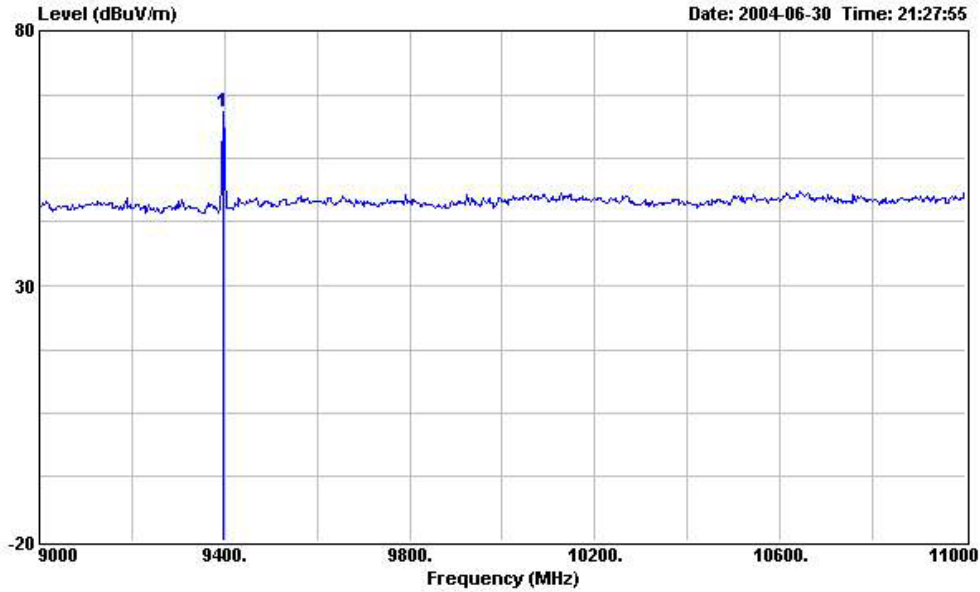
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 3753.000 | 59.71 | ----- | ----- | 67.31 | 32.04 | 1.77 | 41.41 | Peak | --- | --- |
| 2 | 5637.000 | 61.57 | ----- | ----- | 67.69 | 34.46 | 2.58 | 43.16 | Peak | --- | --- |



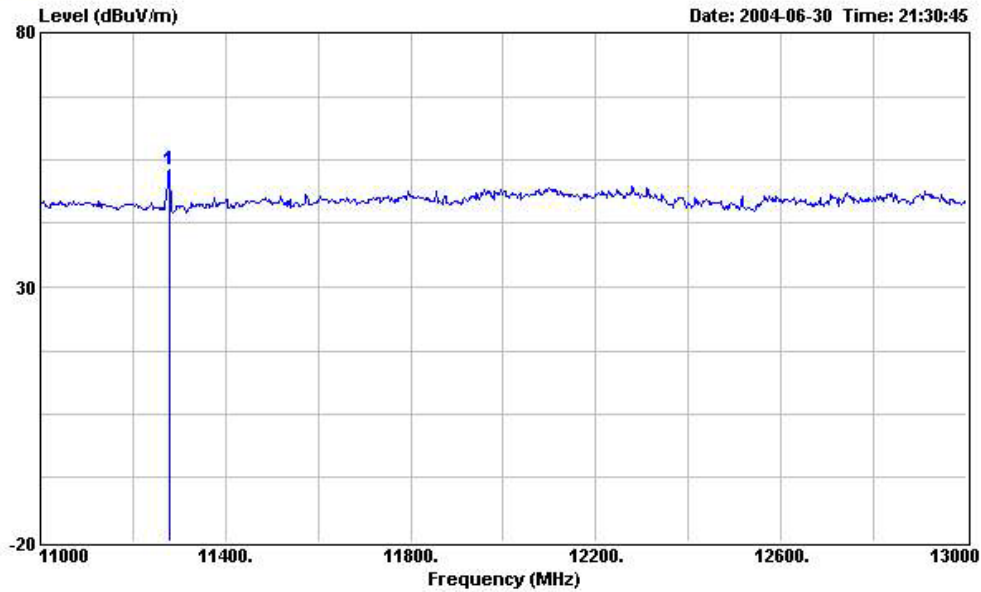
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 7518.000 | 67.83 | ----- | ----- | 70.80 | 36.72 | 2.69 | 42.38 | Peak | --- | --- |



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 9398.000 | 64.02 | ----- | ----- | 62.04 | 38.20 | 3.94 | 40.16 | Peak | --- | --- |



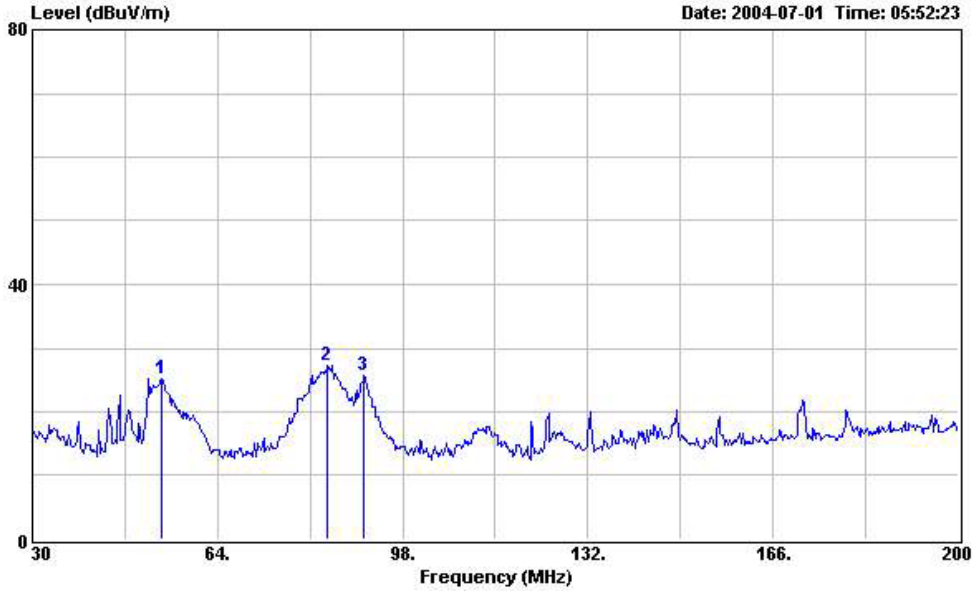
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Power : 120V/60Hz
 Model : 2600
 Memo : PCS Link Mode CH:661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 11278.000 | 52.94 | ----- | ----- | 49.47 | 39.20 | 4.21 | 39.94 | Peak | --- | --- |

FCC TEST REPORT

Report No. : F451209

Radiated Scanned Data
 Mode: Car Charger
 GSM1900, Horizontal Polarization

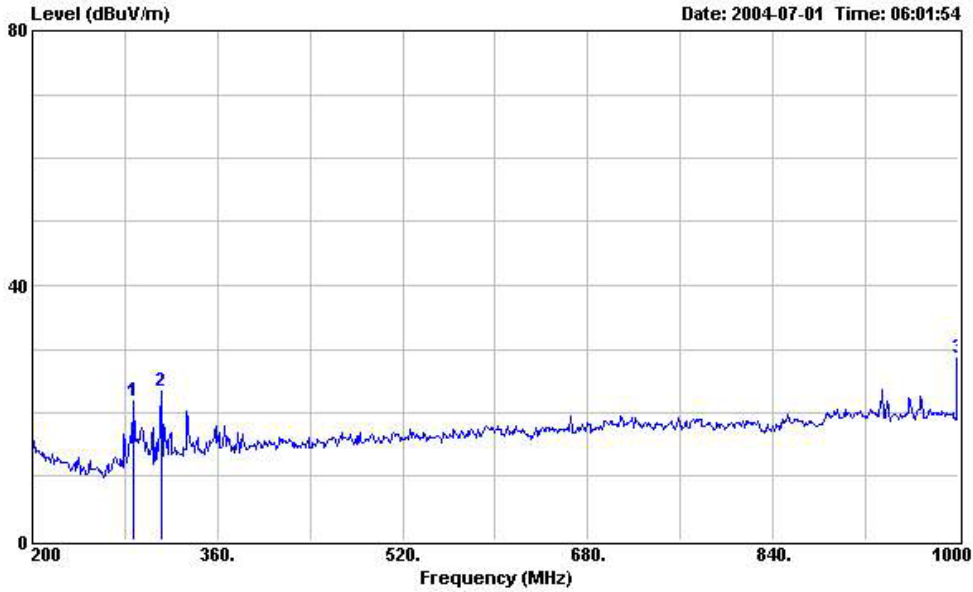


Site : 03CH03-HY
 Condition : 3m BIC-9124--301 HORIZONTAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| Freq | Level | Over | Limit | Read | Probe | Cable | Preamp | Remark | Ant | Table |
|------|--------|-------|--------|-------|-------|-------|--------|--------|-----|-------|
| | | Limit | Line | | | | | | | |
| MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 53.630 | 25.28 | ----- | 42.74 | 10.17 | 0.36 | 27.99 | Peak | --- | --- |
| 2 | 84.230 | 27.28 | ----- | 45.12 | 9.70 | 0.39 | 27.93 | Peak | --- | --- |
| 3 | 90.860 | 25.66 | ----- | 43.80 | 9.30 | 0.48 | 27.92 | Peak | --- | --- |

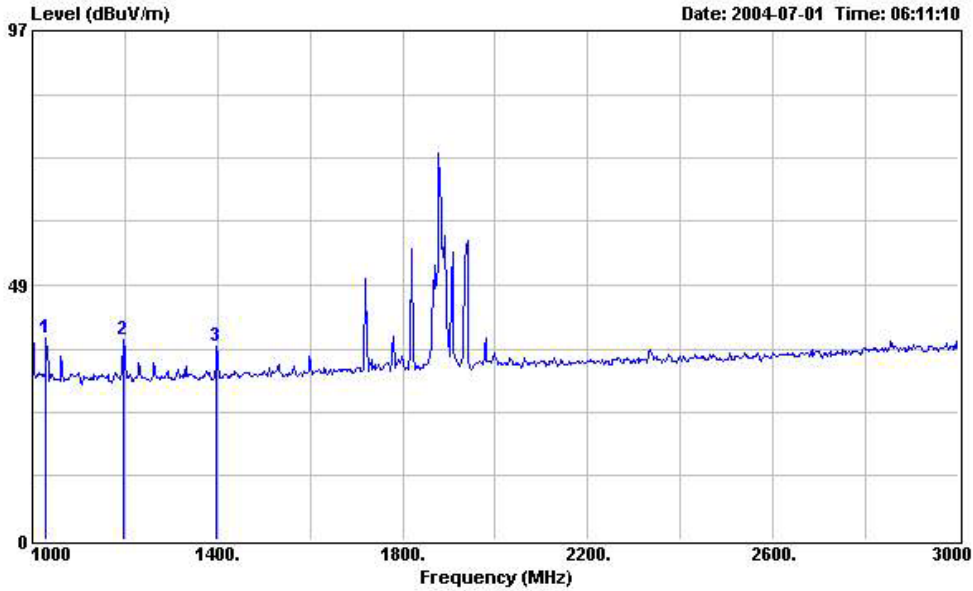
FCC TEST REPORT

Report No. : F451209



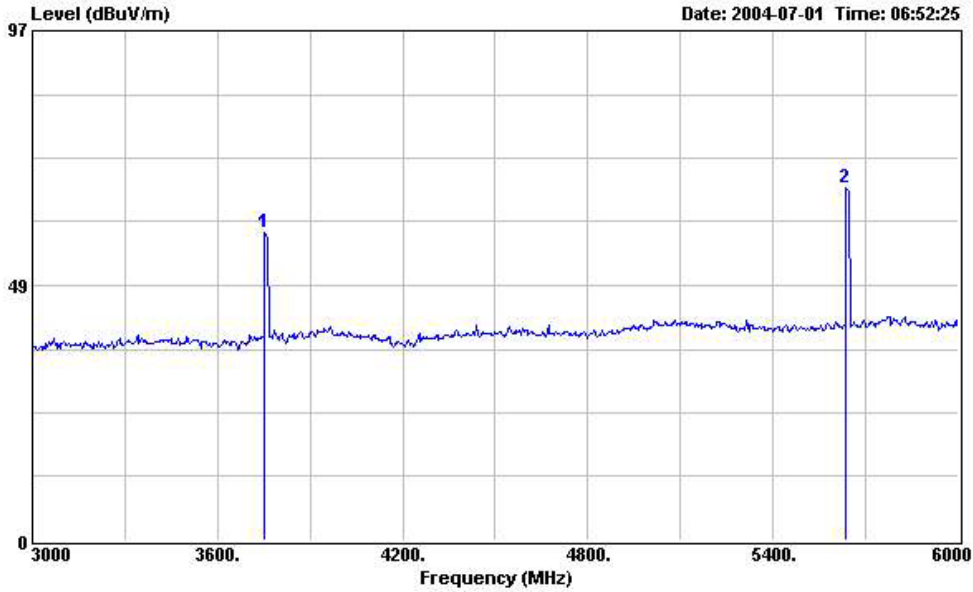
Site : 03CH03-HY
 Condition : 3m LOG-9111-221 HORIZONTAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 288.000 | 21.79 | ----- | ----- | 35.11 | 12.89 | 1.14 | 27.35 | Peak | --- | --- |
| 2 | 311.200 | 23.33 | ----- | ----- | 35.79 | 13.86 | 1.04 | 27.36 | Peak | --- | --- |
| 3 | 1000.000 | 28.55 | ----- | ----- | 32.84 | 22.23 | 1.68 | 28.20 | Peak | --- | --- |



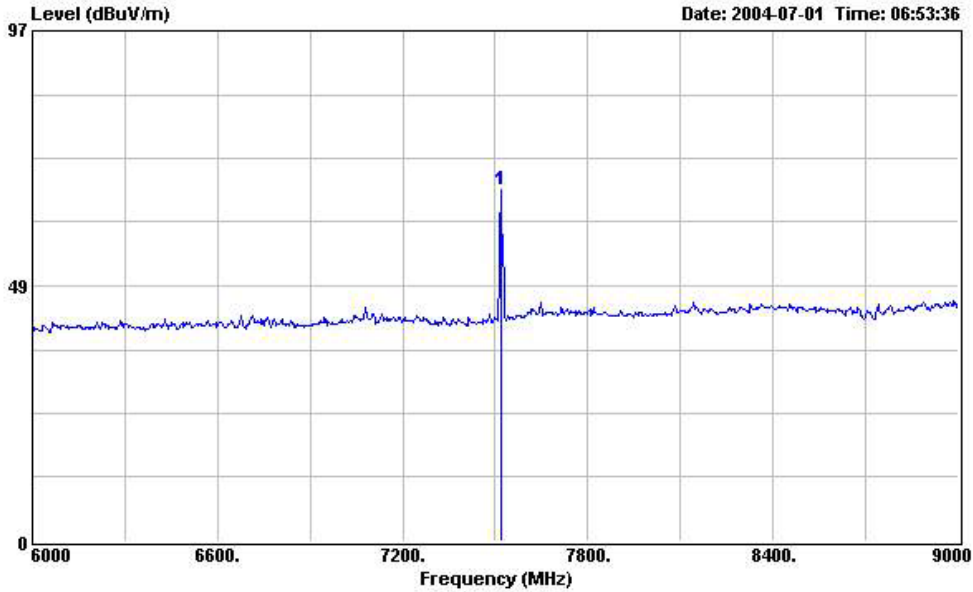
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| Freq | Level | Over | Limit | Read | Probe | Cable | Preamp | Remark | Ant | Table |
|------|----------|-------|--------|-------|-------|-------|--------|--------|-----|-------|
| | | Limit | Line | | | | | | | |
| MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 1030.000 | 38.50 | ----- | 53.58 | 23.91 | 1.15 | 40.14 | Peak | --- | --- |
| 2 | 1198.000 | 37.98 | ----- | 52.65 | 24.38 | 1.26 | 40.31 | Peak | --- | --- |
| 3 | 1398.000 | 36.80 | ----- | 50.96 | 24.95 | 1.40 | 40.51 | Peak | --- | --- |



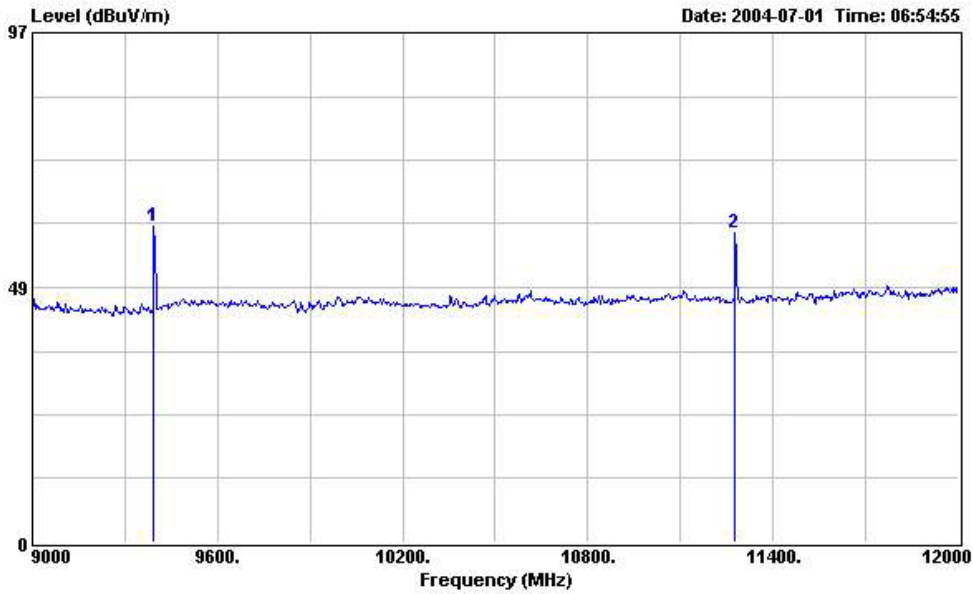
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 3753.000 | 58.65 | ----- | ----- | 66.25 | 32.04 | 1.77 | 41.41 | Peak | --- | --- |
| 2 | 5637.000 | 67.04 | ----- | ----- | 73.16 | 34.46 | 2.58 | 43.16 | Peak | --- | --- |



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 7518.000 | 66.74 | ----- | ----- | 69.71 | 36.72 | 2.69 | 42.38 | Peak | --- | --- |



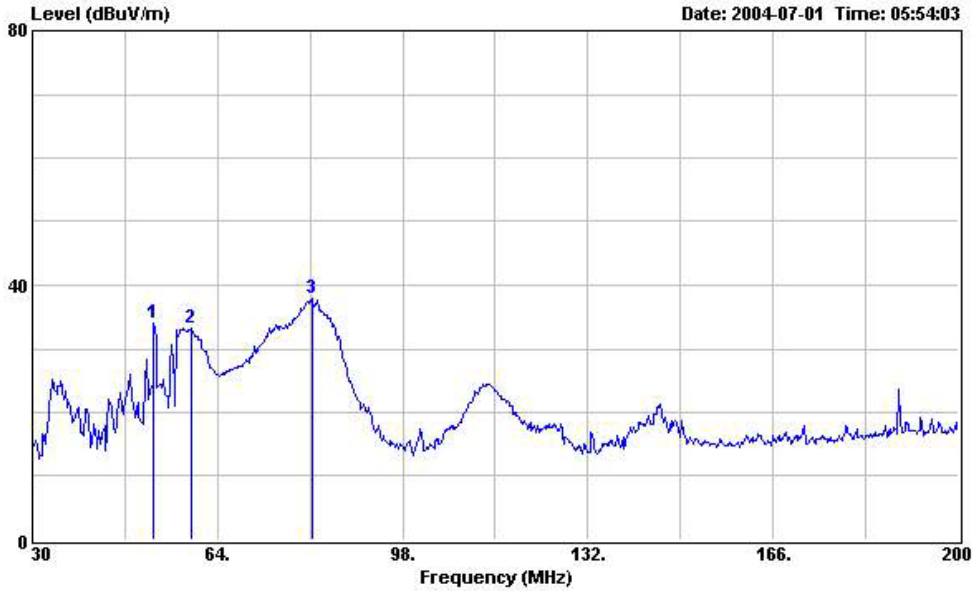
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 HORIZONTAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 9393.000 | 60.05 | ----- | ----- | 58.08 | 38.20 | 3.94 | 40.17 | Peak | --- | --- |
| 2 | 11277.000 | 58.88 | ----- | ----- | 55.40 | 39.20 | 4.21 | 39.93 | Peak | --- | --- |

FCC TEST REPORT

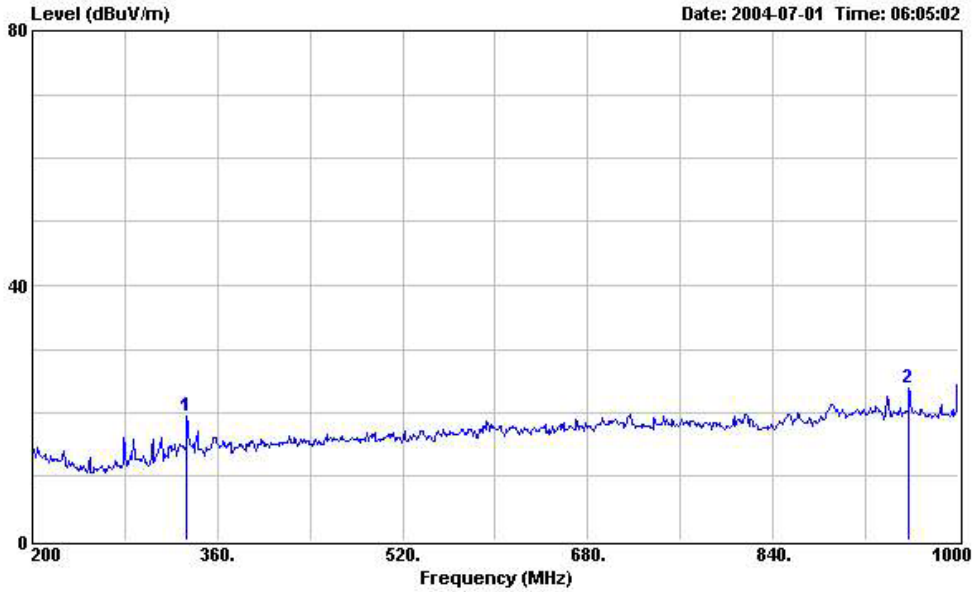
Report No. : F451209

Mode: Car Charger
 GSM1900, Vertical Polarization



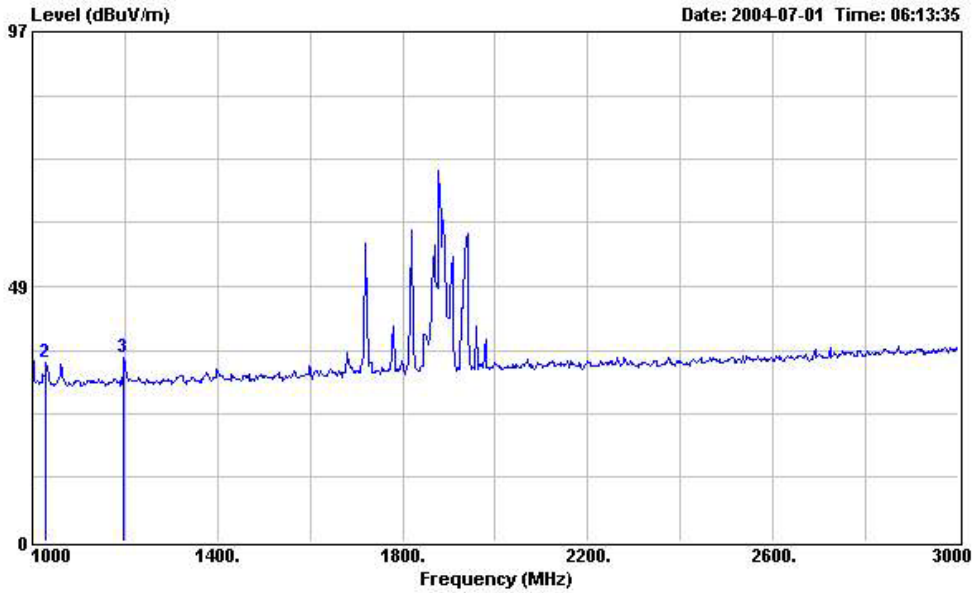
Site : 03CH03-HY
 Condition : 3m BIC-9124--301 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|--------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 52.270 | 34.01 | ----- | ----- | 51.54 | 10.13 | 0.33 | 27.99 | Peak | --- | --- |
| 2 | 59.070 | 33.34 | ----- | ----- | 50.59 | 10.27 | 0.46 | 27.98 | Peak | --- | --- |
| 3 | 81.340 | 37.90 | ----- | ----- | 55.83 | 9.59 | 0.42 | 27.94 | Peak | --- | --- |



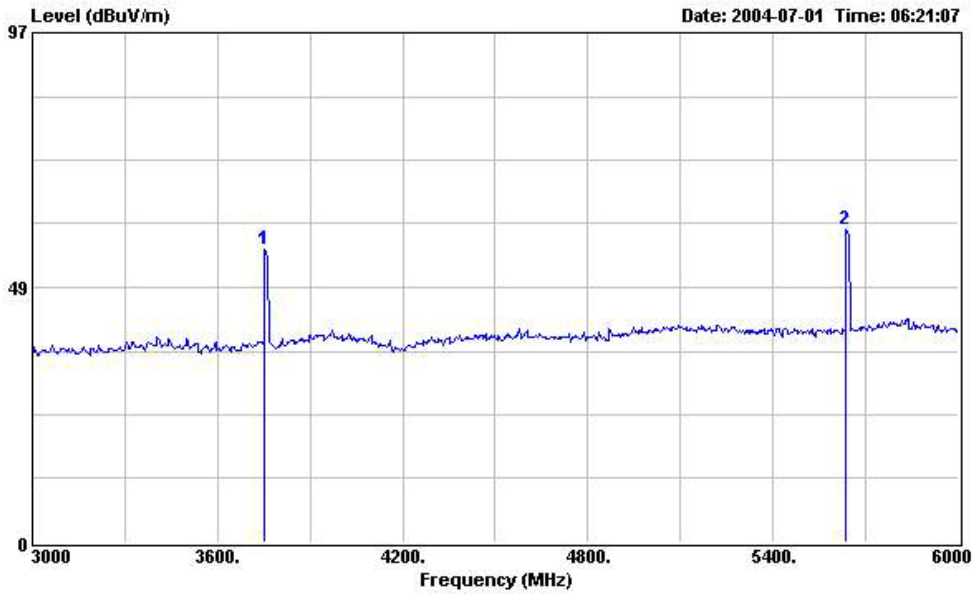
Site : 03CH03-HY
 Condition : 3m LOG-9111-221 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 333.600 | 19.55 | ----- | ----- | 30.91 | 15.01 | 1.10 | 27.47 | Peak | --- | --- |
| 2 | 957.600 | 23.99 | ----- | ----- | 28.74 | 21.90 | 1.59 | 28.24 | Peak | --- | --- |



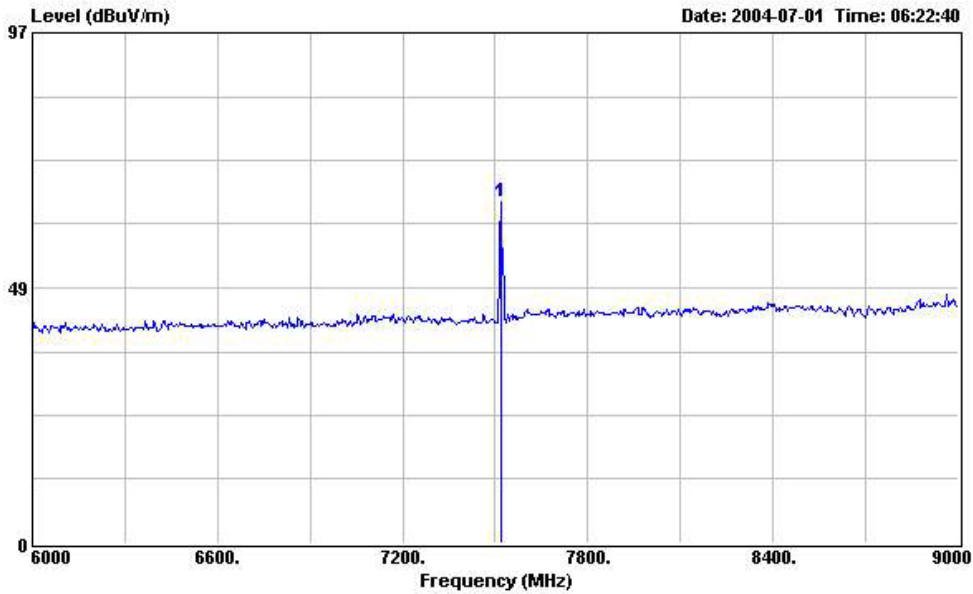
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode,CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 1000.000 | 35.81 | ----- | ----- | 51.00 | 23.80 | 1.11 | 40.10 | Peak | --- | --- |
| 2 | 1030.000 | 34.01 | ----- | ----- | 49.09 | 23.91 | 1.15 | 40.14 | Peak | --- | --- |
| 3 | 1198.000 | 34.99 | ----- | ----- | 49.66 | 24.38 | 1.26 | 40.31 | Peak | --- | --- |



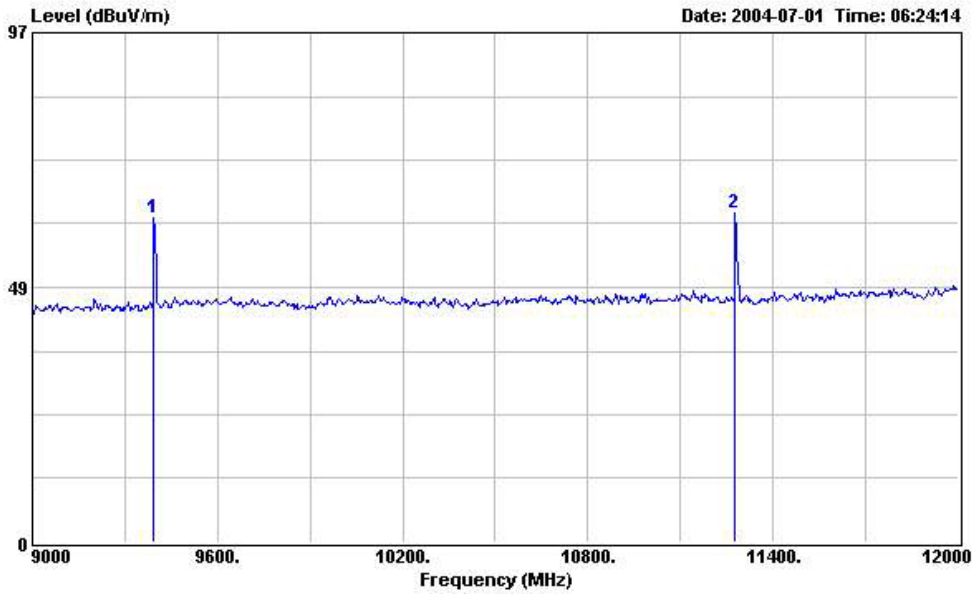
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 3753.000 | 55.85 | ----- | ----- | 63.45 | 32.04 | 1.77 | 41.41 | Peak | --- | --- |
| 2 | 5637.000 | 59.43 | ----- | ----- | 65.55 | 34.46 | 2.58 | 43.16 | Peak | --- | --- |



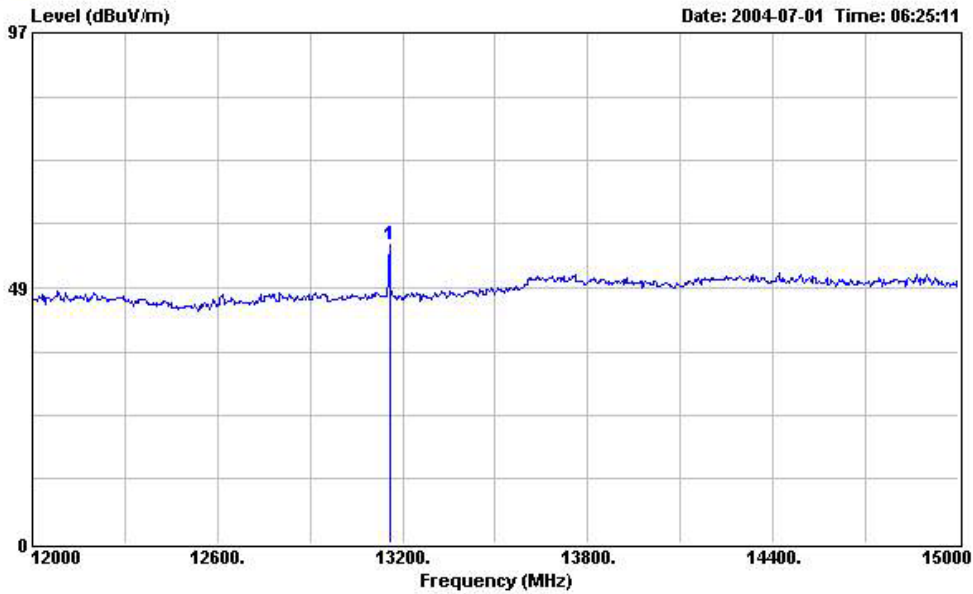
Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| 1 | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 7518.000 | 64.73 | ----- | ----- | 67.70 | 36.72 | 2.69 | 42.38 | Peak | --- | --- |



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 9393.000 | 61.83 | ----- | ----- | 59.86 | 38.20 | 3.94 | 40.17 | Peak | --- | --- |
| 2 | 11277.000 | 62.67 | ----- | ----- | 59.19 | 39.20 | 4.21 | 39.93 | Peak | --- | --- |



Site : 03CH03-HY
 Condition : 3m HORN-ANT-6821 VERTICAL
 EUT : Mobile Phone
 Model : 2600
 Power : DC1 2V
 Memo : Car Charger+Earphone
 : PCS Link Mode;CH 661

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|-----------|--------|------------|------------|------------|--------------|------------|---------------|--------|---------|-----------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 13158.000 | 56.80 | ----- | ----- | 53.62 | 39.70 | 5.18 | 41.70 | Peak | --- | --- |

Name of Test: Frequency Stability (Temperature Variation)

Specification: 47 CFR 2.1055(a)(1)

Test Conditions: As Indicated

Test Equipment: As per previous page

Measurement Procedure

1. The EUT and test equipment were set up as shown on the following page.
2. With all power removed, the temperature was decreased to -30°C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was noted within one minute.
3. With power OFF, the temperature was raised in 10°C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The temperature tests were performed for the worst case.
5. Measurement Results: Attached

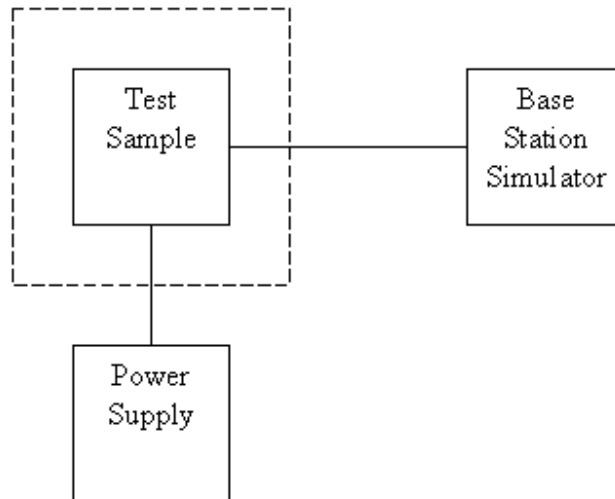


Tested By:

Tim Kao

Transmitter Test Set-Up

Frequency Stability: Temperature Variation
Frequency Stability: Voltage Variation



| Asset | Model Name | S/N |
|-----------------------------------|------------|------------|
| Temperature & Humidity Controller | P-9000 | 612 |
| AC/DC Power Source | HPA-500W | HPA0100024 |
| Base Station Simulator | CMU200 | 102278 |
| Base Station Simulator | E5515C | GB43460754 |

Name of Test: Frequency Stability (Temperature Variation)

GSM 1900 (Channel 661)

| Temperature(°C) | Change, Hz | Change, ppm |
|-----------------|------------|-------------|
| -30 | -78 | -0.04 |
| -20 | 87 | 0.05 |
| -10 | 92 | 0.05 |
| 0 | 85 | 0.04 |
| 10 | 85 | 0.04 |
| 20 | 97 | 0.05 |
| 30 | 73 | 0.04 |
| 40 | 97 | 0.05 |
| 50 | 110 | 0.06 |

Name of Test: Frequency Stability (Voltage Variation)

Specification: 47 CFR 2.1055 (b)(1)

Test Equipment: As per previous page

Measurement Procedure

1. The EUT was placed in a temperature chamber at 25±5°C and connected as for "Frequency Stability - Temperature Variation" test.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

Results: Frequency Stability (Voltage Variation)

GSM1900 (Channel 661)

Nominal Value (Voltage) = 3.6

Battery End Point (Voltage) = 3.25

| Voltage(Volt) | Change, Hz | Change, ppm |
|---------------|------------|-------------|
| 3.7 | 73 | 0.04 |
| BEP | -92 | -0.05 |
| 4.255 | 67 | 0.04 |

Limit: Must remain within authorized frequency block.

Tim Kao

Tested By:

Tim Kao

Antenna Factor & Cable Loss

| Frequency (MHz) | Antenna Factor (dB) | Cable Loss (dB) | Frequency (MHz) | Antenna Factor (dB) | Cable Loss (dB) |
|-----------------|---------------------|-----------------|-----------------|---------------------|-----------------|
| 30 | 15.35 | 4.50 | 1000 | 24.10 | 3.92 |
| 35 | 13.63 | 1.13 | 2000 | 27.40 | 5.66 |
| 40 | 11.11 | 1.18 | 3000 | 30.00 | 7.20 |
| 45 | 10.59 | 1.26 | 4000 | 32.60 | 9.36 |
| 50 | 6.47 | 1.31 | 5000 | 33.40 | 9.16 |
| 55 | 5.83 | 1.34 | 6000 | 34.20 | 10.70 |
| 60 | 5.18 | 1.43 | 7000 | 35.30 | 12.16 |
| 65 | 4.81 | 1.52 | 8000 | 36.90 | 13.12 |
| 70 | 4.43 | 1.56 | 9000 | 38.10 | 13.81 |
| 75 | 5.10 | 1.57 | 10000 | 39.00 | 14.83 |
| 80 | 5.91 | 1.60 | 11000 | 38.60 | 15.83 |
| 85 | 7.33 | 1.66 | 12000 | 39.50 | 17.11 |
| 90 | 8.74 | 1.75 | 13000 | 39.30 | 17.62 |
| 95 | 9.05 | 1.76 | 14000 | 41.60 | 18.37 |
| 100 | 9.36 | 1.83 | 15000 | 40.60 | 19.10 |
| 110 | 9.65 | 1.86 | 16000 | 37.20 | 19.72 |
| 120 | 9.97 | 1.92 | 17000 | 40.20 | 21.98 |
| 130 | 10.51 | 2.00 | 18000 | 48.90 | 21.22 |
| 140 | 10.32 | 2.11 | 19000 | 37.60 | 23.90 |
| 150 | 9.42 | 2.18 | 20000 | 37.30 | 24.07 |
| 160 | 8.09 | 2.22 | 21000 | 37.00 | 25.49 |
| 170 | 7.43 | 2.26 | 22000 | 38.00 | 24.92 |
| 180 | 7.60 | 2.31 | 23000 | 38.70 | 25.60 |
| 190 | 7.43 | 2.37 | 24000 | 38.60 | 25.70 |
| 200 | 7.26 | 2.43 | 25000 | 24.10 | 3.92 |
| 220 | 9.11 | 2.56 | 14000 | 27.40 | 5.66 |
| 240 | 10.88 | 2.70 | 15000 | 30.00 | 7.20 |
| 260 | 11.75 | 2.83 | 16000 | 32.60 | 9.36 |
| 280 | 11.55 | 2.93 | 17000 | 33.40 | 9.16 |
| 300 | 11.36 | 3.03 | 18000 | 34.20 | 10.70 |
| 320 | 12.03 | 3.13 | 19000 | 35.30 | 12.16 |
| 340 | 12.69 | 3.23 | 20000 | 36.90 | 13.12 |
| 360 | 13.33 | 3.32 | 21000 | 38.10 | 13.81 |
| 380 | 14.00 | 3.41 | 22000 | 39.00 | 14.83 |
| 400 | 14.63 | 3.48 | 23000 | 38.60 | 15.83 |
| 450 | 15.33 | 3.71 | 24000 | 39.50 | 17.11 |
| 500 | 16.03 | 3.85 | 25000 | 39.30 | 17.62 |
| 550 | 16.65 | 4.03 | | | |
| 600 | 17.29 | 4.32 | | | |
| 650 | 17.64 | 4.51 | | | |
| 700 | 18.00 | 4.54 | | | |
| 750 | 18.39 | 4.90 | | | |
| 800 | 18.79 | 5.04 | | | |
| 850 | 19.10 | 5.04 | | | |
| 900 | 19.42 | 5.20 | | | |
| 950 | 19.58 | 5.28 | | | |
| 1000 | 19.75 | 5.58 | | | |

List of Measuring Equipments

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Remark |
|--------------------------|----------------|------------|------------|------------------|------------------|--------------------------|
| 3m Semi Anechoic Chamber | SIDT FRANKONIA | SAC-3M | 03CH03-HY | 30MHz~1GHz 3m | Jun. 20, 2004 | Radiation (03CH03-HY) |
| Spectrum analyzer | R&S | FSP40 | 100004 | 9KHZ~40GHz | Aug. 23, 2003 | Radiation (03CH03-HY) |
| Amplifier | HP | 8447D | 2944A09072 | 100KHz – 1.3GHz | Nov. 05, 2003 | Radiation (03CH03-HY) |
| Biconical Antenna | SCHWARZBECK | VHBB 9124 | 301 | 30MHz –200MHz | Jul. 24, 2003 | Radiation (03CH03-HY) |
| Log Antenna | SCHWARZBECK | VUSLP 9111 | 221 | 200MHz -1GHz | Jul. 24, 2003 | Radiation (03CH03-HY) |
| RF Cable-R03m | Jye Bao | RG142 | CB021 | 30MHz~1GHz | Dec. 03, 2003 | Radiation (03CH03-HY) |
| Amplifier | MITEQ | AFS44 | 879981 | 100MHz~26.5GHz | Jul. 23, 2003 | Radiation (03CH03-HY) |
| Horn Antenna | EMCO | 3115 | 6821 | 1GHz – 18GHz | Sep. 12, 2003 | Radiation (03CH03-HY) |
| Turn Table | HD | DS 420 | 420/650/00 | 0 ~ 360 degree | N/A | Radiation (03CH03-HY) |
| Antenna Mast | HD | MA 240 | 240/560/00 | 1 m - 4 m | N/A | Radiation (03CH03-HY) |
| RF Cable-HIGH | Jye Bao | RG142 | CB030-HIGH | 1GHz~29.5GHz | Dec. 05, 2003 | Radiation (03CH03-HY) |

- ※ Calibration Interval of instruments listed above is one year, except for Horn Antenna, BBHA9170.
※ Calibration Interval of Horn Antenna, BBHA9170, is three years.

Uncertainty of Test Site

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz) (03CH03)

| Contribution | Uncertainty of x_i | | $u(x_i)$ |
|--|----------------------|--------------------------|----------|
| | dB | Probability Distribution | |
| Receiver reading | 0.41 | Normal(k=2) | 0.21 |
| Antenna factor calibration | 0.83 | Normal(k=2) | 0.42 |
| Cable loss calibration | 0.25 | Normal(k=2) | 0.13 |
| Pre Amplifier Gain calibration | 0.27 | Normal(k=2) | 0.14 |
| RCV/SPA specification | 2.50 | Rectangular | 0.72 |
| Antenna Factor Interpolation for Frequency | 1.00 | Rectangular | 0.29 |
| Site imperfection | 1.43 | Rectangular | 0.83 |
| Mismatch Receiver VSWR $\Gamma_1 = 0.20$ Antenna VSWR $\Gamma_2 = 0.23$ Uncertainty = $20\log(1-\Gamma_1*\Gamma_2)$ | +0.39/-0.41 | U-shaped | 0.28 |
| combined standard uncertainty Uc(y) | 1.27 | | |
| Measuring uncertainty for a level of confidence of 95% U=2Uc(y) | 2.54 | | |

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

| Contribution | Uncertainty of x_i | | $u(x_i)$ | C_i | $C_i * u(x_i)$ |
|---|----------------------|--------------------------|----------|-------|----------------|
| | dB | Probability Distribution | | | |
| Receiver reading | ±0.10 | Normal(k=1) | 0.10 | 1 | 0.10 |
| Antenna factor calibration | ±1.70 | Normal(k=2) | 0.85 | 1 | 0.85 |
| Cable loss calibration | ±0.50 | Normal(k=2) | 0.25 | 1 | 0.25 |
| Receiver Correction | ±2.00 | Rectangular | 1.15 | 1 | 1.15 |
| Antenna Factor Directional | ±1.50 | Rectangular | 0.87 | 1 | 0.87 |
| Site imperfection | ±2.80 | Triangular | 1.14 | 1 | 1.14 |
| Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20\log(1-\Gamma_1*\Gamma_2*\Gamma_3)$ | +0.34/-0.35 | U-shaped | 0.244 | 1 | 0.244 |
| Combined standard uncertainty Uc(y) | 2.36 | | | | |
| Measuring uncertainty for a level of confidence of 95% U=2Ue(y) | 4.72 | | | | |

$U = \sqrt{\{(1/2)^2 + (0.3/2)^2 + (2^2 + 0.5^2 + 2^2 + 0.25^2 + 2^2)/3 + (0.54)^2/2\}} = 2.2$ for 10m test distance

$U = \sqrt{\{(1/2)^2 + (0.3/2)^2 + (2^2 + 3^2 + 2^2 + 0.25^2 + 2^2)/3 + (0.54)^2/2\}} = 2.7$ for 3m test distance

END OF TEST REPORT