

The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (5W)

The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (1W)





The Worst Emission Mask for (161.61MHz) of 12.5 KHz channel Separation (5W)

The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (1W)





The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (5W)



Report No.: AGC02294181204FE10 Page 84 of 170



The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (136.025MHz) of 12.5 KHz channel Separation (5W)



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

AGC

Digital:



The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (151.85MHz) of 12.5 KHz channel Separation (5W)



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

GC



The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (161.61MHz) of 12.5 KHz channel Separation (5W)



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

GC



The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (1W)

鑫 宇 环 检 测 Attestation of Global Compliance

GC

The Worst Emission Mask D for (173.975MHz) of 12.5 KHz channel Separation (5W)



AGC[®]鑫宇环检测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 88 of 170

UHF: Analog:



The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (5W)





The Worst Emission Mask D for (453.225 MHz) of 12.5 KHz channel Separation (1W)

鑫 宇 环 检 测 Attestation of Global Compliance

GC

The Worst Emission Mask D for (453.225 MHz) of 12.5 KHz channel Separation (5W)





The Worst Emission Mask D for (454.025 MHz) of 12.5 KHz channel Separation (1W)

鑫 宇 环 检 测 Attestation of Global Compliance

GC

The Worst Emission Mask D for (454.025 MHz) of 12.5 KHz channel Separation (5W)





The Worst Emission Mask D for (469.975 MHz) of 12.5 KHz channel Separation (1W)

鑫 宇 环 检 测 Attestation of Global Compliance

GC

The Worst Emission Mask D for (469.975 MHz) of 12.5 KHz channel Separation (5W)



GC[®]鑫宁环检测 Attestation of Global Compliance

Digital:

Report No.: AGC02294181204FE10 Page 92 of 170



The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (400.025 MHz) of 12.5 KHz channel Separation (5W)





The Worst Emission Mask D for (453.225 MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (453.225 MHz) of 12.5 KHz channel Separation (5W)



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

Attestation of Global Compliance

GC



The Worst Emission Mask D for (454.025 MHz) of 12.5 KHz channel Separation (1W)

鑫 宇 环 检 测 Attestation of Global Compliance

GC

The Worst Emission Mask D for (454.025 MHz) of 12.5 KHz channel Separation (5W)



The results show of this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.

Attestation of Global Compliance



The Worst Emission Mask D for (469.975 MHz) of 12.5 KHz channel Separation (1W)

The Worst Emission Mask D for (469.975 MHz) of 12.5 KHz channel Separation (5W)



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

GC



9. MODULATION CHARACTERISTICS

9.1 PROVISIONS APPLICABLE

According to FCC§2.1047 and §90.207, for Voice Modulation Communication Equipment, the frequency response of the audio modulation circuit over a range of 100 to 5000Hz shall be measured.

9.2 MEASUREMENT METHOD

9.2.1 Modulation Limit

(1). Configure the EUT as shown in figure 1, adjust the audio input for 60% of rated system deviation at 1KHz using this level as a reference (0dB) and vary the input level from -20 to +20dB. Record the frequency deviation obtained as a function of the input level.

(2). Repeat step 1 with input frequency changing to 300, 1000, 1500 and 3000Hz in sequence.

9.2.2 Audio Frequency Response

- (1). Configure the EUT as shown in figure 1.
- (2). Adjust the audio input for 20% of rated system deviation at 1 KHz using this level as a reference (0 dB).
- (3). Vary the Audio frequency from 100 Hz to 10 KHz and record the frequency deviation.
- (4). Audio Frequency Response = 20log10 (Deviation of test frequency/Deviation of 1 KHz reference).







9.3 MEASUREMENT RESULT

VHF: Analog: <u>TEST RESULTS FOR H POWER</u> (A). MODULATION LIMIT:

Middle Channel @ 12.5 KHz Channel Separations

| | Modulation Level (dB) | Peak Freq. Deviation At 300 Hz | Peak Freq. Deviation At 1000 Hz | Peak Freq. Deviation At 1500 Hz | Peak Freq. Deviation At 3000 Hz |
|--------------|-----------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| | -20 | 0.27 | 0.39 | 0.51 | 0.65 |
| | -15 | 0.33 | 0.69 | 0.81 | 0.98 |
| | -10 | 0.38 | 0.77 | 0.98 | 1.22 |
| | -5 | 0.55 | 1.08 | 1.27 | 1.45 |
| C | 0 | 0.58 | 1.27 | 1.55 | 1.65 |
| | +5 | 0.69 | 1.49 | 1.66 | 1.77 |
| A T | +10 | 0.77 | 1.59 | 1.67 | 1.83 |
| obal Complia | +15 | 0.92 | 1.6 | 1.75 | 1.82 |
| | +20 | 0.91 | 1.54 | 1.69 | 1.74 |



Note: All the modes had been tested, but only the worst data recorded in the report.

The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agconter.com.

Attestation of Global Compliance



(B). AUDIO FREQUENCY RESPONSE:

Middle Channel @ 12.5 KHz Channel Separations

| Frequency (Hz) | Deviation (KHz) | Audio Frequency Response(dB) |
|----------------|--|---------------------------------|
| 100 | C Antonio | |
| 200 | | |
| 300 | 0.17 | -9.90 |
| 400 | 0.19 | -8.40 |
| 500 | 0.22 | -7.13 |
| 600 | 0.3 | -5.68 |
| 700 | 0.36 | -3.61 |
| 800 | 0.42 | -1.72 |
| 900 | 0.46 | -1.11 |
| 1000 | 0.52 | 0.34 |
| 1200 | 0.59 | 0.98 |
| 1400 | 0.62 | 1.58 |
| 1600 | 0.73 | 3.05 |
| 1800 | 0.81 | 4.40 |
| 2000 | 0.92 | 5.20 |
| 2400 | 1.24 | 7.75 |
| 2500 | • <u>1.47</u> | 9.13 |
| 2800 | 1.79 | 11.32 |
| 3000 | 1.77 | 10.73 |
| 3200 | 1.66 | 10.26 |
| 3600 | 1.32 | 8.69 |
| 4000 | 0.91 | 5.39 |
| 4500 | 0.88 | 4.19 |
| 5000 | 0.65 | 2.54 |
| 5500 | 0.42 | -0.92 |
| 6000 | 0.26 | -6.74 |
| 6500 | 0.13 | -9.90 |
| 7000 | 0.06 | -20.00 |
| 7500 | 0.02 | -27.96 |
| 9000 | | - The template |
| 10000 | | the same to the former |
| 14000 | the I The second | the Window P. Summer of |
| 18000 | E The comment | |
| 20000 | and the contract of the contra | |
| 30000 | | |

AGC[®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 99 of 170



Note: All the modes had been tested, but only the worst data recorded in the report.





Digital: <u>TEST RESULTS FOR H POWER</u> (A). MODULATION LIMIT:

| Contraction of Contraction | Middle Channe | el @ 12.5 KHz Channe | el Separations | |
|-----------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Modulation Level (dB) | Peak Freq. Deviation At 300 Hz | Peak Freq. Deviation At 1000 Hz | Peak Freq. Deviation At 1500 Hz | Peak Freq. Deviation At 3000 Hz |
| -20 | 0.24 | 0.39 | 0.47 | 0.63 |
| -15 | 0.31 | 0.58 | 0.79 | 0.94 |
| -10 | 0.36 | 0.66 | 0.93 | 1.17 |
| -5 | 0.62 | 0.98 | 1.19 | 1.44 |
| 0 | 0.66 | 1.22 | 1.42 | 1.61 |
| +5 | 0.71 | 1.44 | 1.57 | 1.75 |
| +10 | 0.88 | 1.55 | 1.63 | 1.8 |
| +15 | 0.95 | 1.59 | 1.69 | 1.81 |
| +20 | 0.92 | 1.54 | 1.64 | 1.73 |



Note: All the modes had been tested, but only the worst data recorded in the report.

(B). AUDIO FREQUENCY RESPONSE:

GC

Bottom Channel @ 12.5 KHz Channel Separations

鑫 宇 环 检 测 Attestation of Global Compliance

| Frequency (Hz) | Deviation (KHz) | Audio Frequency Response(dB) |
|----------------|--|--|
| 100 | - ² | |
| 200 | | |
| 300 | 0.16 | -9.90 |
| 400 | 0.21 | -7.54 |
| 500 | 0.23 | -6.74 |
| 600 | 0.27 | -5.35 |
| 700 | 0.33 | -3.61 |
| 800 | 0.43 | -1.31 |
| 900 | 0.47 | -0.54 |
| 1000 | 0.53 | 0.51 |
| 1200 | 0.57 | 1.14 |
| 1400 | 0.62 | 1.87 |
| 1600 | 0.74 | 3.41 |
| 1800 | 0.84 | 4.51 |
| 2000 | 0.92 | 5.30 |
| 2400 | 1.25 | 7.96 |
| 2500 | 1.46 | 9.31 |
| 2800 | 1.77 | 10.98 |
| 3000 | 1.71 | 10.68 |
| 3200 | 1.64 | 10.32 |
| 3600 | 1.37 | 8.76 |
| 4000 | 0.94 | 5.48 |
| 4500 | 0.86 | 4.71 |
| 5000 | 0.68 | 2.67 |
| 5500 | 0.45 | -0.92 |
| 6000 | 0.26 | -5.68 |
| 6500 | 0.17 | -9.37 |
| 7000 | 0.05 | -20.00 |
| 7500 | 0.03 | -24.44 |
| 9000 | | The the second |
| 10000 | | The second secon |
| 14000 | the the communities | the Participant of the State of |
| 18000 | Stratem Contraction Contraction | instation of the state of the s |
| 20000 | and the second s | - |
| 30000 | | |

AGC[®]鑫宇环检测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 102 of 170



Note: All the modes had been tested, but only the worst data recorded in the report.



AGC [®] 鑫 宇 环 检 测 Attestation of Global Compliance

UHF: Analog: <u>TEST RESULT TS FOR H POWER H LEVEL</u> (A). MODULATION LIMIT:

| A compare The Company | Middle Channe | el @ 12.5 KHz Channe | el Separations | |
|-----------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Modulation Level (dB) | Peak Freq. Deviation At 300 Hz | Peak Freq. Deviation At 1000 Hz | Peak Freq. Deviation At 1500 Hz | Peak Freq. Deviation At 3000 Hz |
| -20 | 0.22 | 0.55 | 0.74 | 0.92 |
| -15 | 0.34 | 0.72 | 0.86 | 1.03 |
| -10 | 0.361 | 1.02 | 1.12 | 1.18 |
| -5 | 0.54 | 1.16 | 1.24 | 1.39 |
| 0 | 0.63 | 1.34 | 1.52 | 1.59 |
| +5 | 0.77 | 1.59 | 1.66 | 1.73 |
| +10 | 0.87 | 1.69 | 1.79 | 1.86 |
| +15 | 0.89 | 1.69 | 1.79 | 1.91 |
| +20 | 0.92 | 1.64 | 1.71 | 1.86 |



Note: All the modes had been tested, but only the worst data recorded in the report.

AGC 鑫 宇 环 检 测 Attestation of Global Compliance

(B). AUDIO FREQUENCY RESPONSE:

Middle Channel @ 12.5 KHz Channel Separations

| Frequency (Hz) | Deviation (KHz) | Audio Frequency Response(dB) |
|----------------|--|--|
| 100 | C 344 | |
| 200 | | 10.000 |
| 300 | 0.13 | -15.78 |
| 400 | 0.16 | -13.98 |
| 500 | 0.23 | -10.83 |
| 600 | 0.25 | -10.10 |
| 700 | 0.32 | -7.96 |
| 800 | 0.36 | -6.94 |
| 900 | 0.43 | -5.39 |
| 1000 | 0.58 | -2.79 |
| 1200 | 0.62 | -2.21 |
| 1400 | 0.66 | -1.67 |
| 1600 | 0.72 | -0.92 |
| 1800 | 0.91 | 1.12 |
| 2000 | 0.93 | 1.31 |
| 2400 | 1.27 | 4.01 |
| 2500 | 1.49 | 5.40 |
| 2800 | 1.75 | 6.80 |
| 3000 | 1.72 | 6.65 |
| 3200 | 1.69 | 6.50 |
| 3600 | 1.53 | 5.63 |
| 4000 | 1.02 | 2.11 |
| 4500 | 0.91 | 1.12 |
| 5000 | 0.62 | -2.21 |
| 5500 | 0.61 | -2.36 |
| 6000 | 0.2 | -12.04 |
| 6500 | 0.14 | -15.14 |
| 7000 | 0.06 | -22.50 |
| 7500 | 0.01 | -38.06 |
| 9000 | | the first |
| 10000 | | The starter |
| 14000 | Ha international in the comment | The stand Contract of the stand |
| 18000 | C The Contract Contra | interest and a set |
| 20000 | | |
| 30000 | | |

The results shown the sample(s) are retained for 30 days only. The document is issued by AGC, this document is cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.

AGC[®]鑫宇环检测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 105 of 170



Note: All the modes had been tested, but only the worst data recorded in the report.



AGC [®] 鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 106 of 170

Digital: (A). MODULATION LIMIT:

Middle Channel @ 12.5 KHz Channel Separations---H Power

| K Completion | Allestend | Allestanov C | | |
|-----------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| Modulation Level (dB) | Peak Freq. Deviation At 300 Hz | Peak Freq. Deviation At 1000 Hz | Peak Freq. Deviation At 1500 Hz | Peak Freq. Deviation At 3000 Hz |
| -20 | 0.25 | 0.57 | 0.74 | 0.92 |
| -15 | 0.34 | 0.75 | 0.86 | 1.03 |
| -10 | 0.388 | 1 | 1.13 | 1.18 |
| -5 | 0.56 | 1.16 | 1.25 | 1.39 |
| 0 For Contra | 0.63 | 1.34 | 1.53 | 1.59 |
| +5 | 0.79 | 1.59 | 1.66 | 1.73 |
| +10 | 0.89 | 1.69 | 1.79 | 1.86 |
| +15 | 0.92 | 1.69 | 1.79 | 1.91 |
| +20 | 0.9 | 1.64 | 1.71 | 1.86 |



Note: All the modes had been tested, but only the worst data recorded in the report.

GC

(B). AUDIO FREQUENCY RESPONSE: Middle Channel @ 12.5 KHz Channel Separations

环 检 鑫 宇 环 检 测 Attestation of Global Compliance

| Frequency (Hz) | Deviation (KHz) | Audio Frequency Response(dB) |
|----------------|--|--|
| 100 | | |
| 200 | | - 10.000 |
| 300 | 0.12 | -16.48 |
| 400 | 0.17 | -13.45 |
| 500 | 0.23 | -10.83 |
| 600 | 0.25 | -10.10 |
| 700 | 0.32 | -7.96 |
| 800 | 0.36 | -6.94 |
| 900 | 0.43 | -5.39 |
| 1000 | 0.58 | -2.79 |
| 1200 | 0.62 | -2.21 |
| 1400 | 0.66 | -1.67 |
| 1600 | 0.72 | -0.92 |
| 1800 | 0.91 | 1.12 |
| 2000 | 0.93 | 1.31 |
| 2400 | 1.24 | 3.81 |
| 2500 | 1.46 | 5.23 |
| 2800 | 1.75 | 6.80 |
| 3000 | 1.72 | 6.65 |
| 3200 | 1.69 | 6.50 |
| 3600 | 1.53 | 5.63 |
| 4000 | 1.02 | 2.11 |
| 4500 | 0.91 | 1.12 |
| 5000 | 0.62 | -2.21 |
| 5500 | 0.64 | -1.94 |
| 6000 | 0.2 | -12.04 |
| 6500 | 0.14 | -15.14 |
| 7000 | 0.07 | -21.16 |
| 7500 | 0.02 | -32.04 |
| 9000 | | - SK Simplance |
| 10000 | | - the same - a - Francisco |
| 14000 | Han - The Common | The second of th |
| 18000 | The contract of the second sec | |
| 20000 | | - |
| 30000 | | |

AGC[®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 108 of 170



Note: All the modes had been tested, but only the worst data recorded in the report.





1m to 4m

10. MAXIMUMN TRANSMITTER POWER (CONDUCTED OUTPUT POWER) PEAK POWER

10.1 PROVISIONS APPLICABLE

Per FCC §2.1046 § 22.565 and §90.205: Maximum ERP is dependent upon the station's antenna HAAT and required service area.

10.2 TEST PROCEDURE

The RF output of Two-way Radio was conducted to a spectrum analyzer through an appropriate attenuator. In the semi-anechoic chamber, setup as illustrated above the DUT placed on the 0.8m height of Turn Table, rotated the table 45 degree each interval to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power for each degree interval. The "Read Value" is the spectrum reading of maximum power value.

The substitution antenna is substituted for DUT at the same position and signals generator (S.G) export the CW signal to the substitution antenna via a TX cable. The receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum radiation power. Record the power level of maximum radiation power from spectrum. So, the Measured substitution value = Ref level of S.G + TX cables loss – Substituted Antenna Gain.

EIRP = "Read Value" + Measured substitution value + 2.15.

EUT

10.3 TEST CONFIGURATION

Amplifier and

Receiver

Ground Plane

Conducted Output Power:



The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.ceit.com.

08 m

Attestation of Global Compliance

Coaxial Cable



Report No.: AGC02294181204FE10 Page 110 of 170



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.

Attestation of Global Compliance

Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com @ 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China

AGC[®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 111 of 170

10.4 TEST RESULT

The maximum Conducted Power (CP) for VHF/UHF is Analog: 5W/1 W for 12.5 KHz Channel Separation VHF Analog: 5W/1 W for 12.5 KHz Channel Separation UHF Digital: 5W/1 W for 12.5 KHz Channel Separation VHF Digital: 5W/1 W for 12.5 KHz Channel Separation UHF Calculation Formula: CP = R + A + L

Note:

- **CP: The final Conducted Power**
- R : The reading value from spectrum analyzer
- A : The attenuation value of the used attenuator
- L : The loss of all connection cables

VHF: Analog:

| Conducted Power Measurement Results | | | | |
|-------------------------------------|--------------------|------------------|--|--|
| Measurement Result (dBm) | | | | |
| Channel Separation | Channel | For 36.99dBm(5W) | | |
| | Bottom(136.025MHz) | 36.74 | | |
| the and the second compare | Middle(151.850MHz) | 36.87 | | |
| 12.5 KHz | Middle(155.025MHz) | 36.56 | | |
| | Middle(161.610MHz) | 36.76 | | |
| The Strategies | Top (173.975MHz) | 36.88 | | |

| Radiated Power Measurement Results | | | | |
|------------------------------------|--------------------|------------------|--|--|
| Measurement Result (dl | | | | |
| Channel Separation | Channel | For 36.99dBm(5W) | | |
| CO CO | Bottom(136.025MHz) | 36.64 | | |
| | Middle(151.850MHz) | 36.77 | | |
| 12.5 KHz | Middle(155.025MHz) | 36.46 | | |
| | Middle(161.610MHz) | 36.66 | | |
| | Top (173.975MHz) | 36.78 | | |

The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agcookt.com.

Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 112 of 170

| THE ST | , As | The contraction of the contracti | |
|--|--------------------|--|--|
| Conducted Power Measurement Results | | | |
| Channel Separation Channel Measurement Result (d | | | |
| Condu Channel Separation 12.5 KHz | Channel | For 30dBm(1W) | |
| GC F | Bottom(136.025MHz) | 29.64 | |
| | Middle(151.850MHz) | 29.43 | |
| 12.5 KHz | Middle(155.025MHz) | 29.55 | |
| | Middle(161.610MHz) | 29.47 | |
| | Top (173.975MHz) | 29.66 | |

| Radiated Power Measurement Results | | | | |
|------------------------------------|--------------------|---------------|--|--|
| Measurement Result (dBm) | | | | |
| Channel Separation | Cnannei | For 30dBm(1W) | | |
| Barbara Hackmann Comment | Bottom(136.025MHz) | 29.43 | | |
| | Middle(151.850MHz) | 29.21 | | |
| 12.5 KHz | Middle(155.025MHz) | 29.35 | | |
| | Middle(161.610MHz) | 29.31 | | |
| | Top (173.975MHz) | 29.29 | | |



ACC [®] 鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 113 of 170

Digital:

Date + voice:

| Conducted Power Measurement Results | | |
|-------------------------------------|--------------------|--------------------------|
| Channel Constian | Channel | Measurement Result (dBm) |
| Channel Separation | Channel | For 36.99dBm(5W) |
| | Bottom(136.025MHz) | 36.26 |
| | Middle(151.850MHz) | 36.32 |
| 12.5 KHz | Middle(155.025MHz) | 36.40 |
| | Middle(161.610MHz) | 36.34 |
| | Top (173.975MHz) | 36.27 |

| Radiated Power Measurement Results | | |
|------------------------------------|--------------------|--------------------------|
| Ok ann al Oan anatian | Channel | Measurement Result (dBm) |
| Channel Separation | | For 36.99dBm(5W) |
| and come of the stand of the stand | Bottom(136.025MHz) | 36.16 |
| CC M NO | Middle(151.850MHz) | 36.12 |
| 12.5 KHz | Middle(155.025MHz) | 36.18 |
| H Good Commence | Middle(161.610MHz) | 36.21 |
| Barrier NO. | Top (173.975MHz) | 36.22 |

Date transmission mode:

GC S

Attestation of Global Compliance

E

| Conducted Power Measurement Results | | |
|-------------------------------------|--------------------|--------------------------|
| Channel Concretion | Channel | Measurement Result (dBm) |
| Channel Separation | | For 36.99dBm(5W) |
| the same of the count of the | Bottom(136.025MHz) | 36.17 |
| | Middle(151.850MHz) | 36.21 |
| 12.5 KHz | Middle(155.025MHz) | 36.19 |
| | Middle(161.610MHz) | 36.33 |
| O at the count of the second | Top (173.975MHz) | 36.25 |

| Radiated Power Measurement Results | | | |
|------------------------------------|--------------------|--------------------------|--|
| | Channel | Measurement Result (dBm) | |
| Channel Separation | | For 36.99dBm(5W) | |
| GU F | Bottom(136.025MHz) | 35.92 | |
| | Middle(151.850MHz) | 35.87 | |
| 12.5 KHz | Middle(155.025MHz) | 35.91 | |
| | Middle(161.610MHz) | 35.84 | |
| | Top (173.975MHz) | 35.88 | |

Date + voice:

GC S

Attestation of Global Compliance

E

| Conducted Power Measurement Results | | |
|-------------------------------------|--------------------|--------------------------|
| Channel Consection | Channel | Measurement Result (dBm) |
| Channel Separation | | For 30dBm(1W) |
| CC NO | Bottom(136.025MHz) | 29.73 |
| | Middle(151.850MHz) | 29.82 |
| 12.5 KHz | Middle(155.025MHz) | 29.69 |
| | Middle(161.610MHz) | 29.55 |
| | Top (173.975MHz) | 29.70 |

| Radiated Power Measurement Results | | |
|---|--------------------|--------------------------|
| Ok annal Oananatian | Channel | Measurement Result (dBm) |
| Channel Separation | | For 30dBm(1W) |
| The same and Franciscon Contraction of the same | Bottom(136.025MHz) | 29.53 |
| | Middle(151.850MHz) | 29.59 |
| 12.5 KHz | Middle(155.025MHz) | 29.55 |
| | Middle(161.610MHz) | 29.42 |
| 0 m Franciscon Company | Top (173.975MHz) | 29.44 |

Date transmission mode:

| Conducted Power Measurement Results | | |
|-------------------------------------|--------------------|--------------------------|
| Channel Separation | Channel | Measurement Result (dBm) |
| | | For 30dBm(1W) |
| GU | Bottom(136.025MHz) | 29.29 |
| | Middle(151.850MHz) | 29.31 |
| 12.5 KHz | Middle(155.025MHz) | 29.22 |
| | Middle(161.610MHz) | 29.18 |
| | Top (173.975MHz) | 29.17 |

| Radiated Power Measurement Results | | |
|------------------------------------|--------------------|--------------------------|
| | Channel | Measurement Result (dBm) |
| Channel Separation | | For 30dBm(1W) |
| A Company Company Company | Bottom(136.025MHz) | 29.12 |
| | Middle(151.850MHz) | 29.17 |
| 12.5 KHz | Middle(155.025MHz) | 29.09 |
| | Middle(161.610MHz) | 29.08 |
| | Top (173.975MHz) | 29.02 |



AGC[®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 116 of 170

UHF: Analog:

| Conduc | ted Power Measurement Res | sults-5W |
|--------------------|---------------------------|--------------------------|
| Channel Constation | Channel | Measurement Result (dBm) |
| Channel Separation | | For 36.99dBm(5W) |
| 12.5 KHz | Bottom(400.025MHz) | 36.48 |
| | Middle(453.225MHz) | 36.43 |
| | Middle(454.025MHz) | 36.36 |
| | Top (469.975MHz) | 36.29 |

| Radiated Power Measurement Results-5W | | |
|---------------------------------------|--------------------|--------------------------|
| Okannal Cananatian | Channel | Measurement Result (dBm) |
| Channel Separation | | For 36.99dBm(5W) |
| 12.5 KHz | Bottom(400.025MHz) | 36.27 |
| | Middle(453.225MHz) | 36.22 |
| | Middle(454.025MHz) | 36.18 |
| | Top (469.975MHz) | 36.09 |

| Conducted Power Measurement Results-1W | | | |
|--|--------------------|--------------------|--------------------------|
| | | Channel | Measurement Result (dBm) |
| Channel Separation | For 30dBm(1W) | | |
| GC manual GC manual | Bottom(400.025MHz) | 29.15 | |
| | Middle(453.225MHz) | 29.14 | |
| | 12.5 KHZ | Middle(454.025MHz) | 29.22 |
| | | Top (469.975MHz) | 29.23 |

| Radiated Power Measurement Results-1W | | | |
|---------------------------------------|--------------------|---------------|--|
| Measurement Result (| | | |
| Channel Separation | Channel | For 30dBm(1W) | |
| 12.5 KHz | Bottom(400.025MHz) | 28.97 | |
| | Middle(453.225MHz) | 28.99 | |
| | Middle(454.025MHz) | 28.79 | |
| Source Restance Con No. | Top (469.975MHz) | 28.81 | |
AGC [®] 鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 117 of 170

Digital:

Date + voice:

| the little | | | |
|-------------------------------------|--------------------|--------------------------|--|
| Conducted Power Measurement Results | | | |
| Channel Separation | Channel | Measurement Result (dBm) | |
| | Cnannei | For 36.99dBm(5W) | |
| The Barrens The Barrens | Bottom(400.025MHz) | 35.88 | |
| 12.5 KHz | Middle(453.225MHz) | 35.87 | |
| | Middle(454.025MHz) | 35.91 | |
| | Top (469.975MHz) | 35.96 | |
| | | | |

| Radiated Power Measurement Results | | | |
|------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Ohemmel | Measurement Result (dBm) | |
| | Cnannei | For 36.99dBm(5W) | |
| 12.5 KHz | Bottom(400.025MHz) | 35.71 | |
| | Middle(453.225MHz) | 35.73 | |
| | Middle(454.025MHz) | 35.69 | |
| | Top (469.975MHz) | 35.75 | |

Date transmission mode:

| Conducted Power Measurement Results | | | |
|-------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Channel | Measurement Result (dBm) | |
| | | For 36.99dBm(5W) | |
| 12.5 KHz | Bottom(400.025MHz) | 35.66 | |
| | Middle(453.225MHz) | 35.65 | |
| | Middle(454.025MHz) | 35.59 | |
| | Top (469.975MHz) | 35.42 | |

The results show on the sample (s) tested unless otherwise stated and the sample (s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.

| Radiated Power Measurement Results | | | |
|------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Channel | Measurement Result (dBm) | |
| | | For 36.99dBm(5W) | |
| 12.5 KHz | Bottom(400.025MHz) | 35.41 | |
| | Middle(453.225MHz) | 35.39 | |
| | Middle(454.025MHz) | 35.28 | |
| | Top (469.975MHz) | 35.33 | |
| | | | |

Date + voice:

| Conducted Power Measurement Results | | | |
|-------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Channel | Measurement Result (dBm) | |
| | | For 30dBm(1W) | |
| 12.5 KHz | Bottom(400.025MHz) | 28.66 | |
| | Middle(453.225MHz) | 28.64 | |
| | Middle(454.025MHz) | 28.52 | |
| | Top (469.975MHz) | 28.44 | |

| Radiated Power Measurement Results | | | |
|------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Channel | Measurement Result (dBm) | |
| | | For 30dBm(1W) | |
| CC CC | Bottom(400.025MHz) | 28.42 | |
| 12.5 KHz | Middle(453.225MHz) | 28.43 | |
| | Middle(454.025MHz) | 28.29 | |
| | Top (469.975MHz) | 28.27 | |

The results show on the sample (s) tested unless otherwise stated and the sample (s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.

Date transmission mode:

| Conducted Power Measurement Results | | | |
|-------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Channel | Measurement Result (dBm) | |
| | | For 30dBm(1W) | |
| 12.5 KHz | Bottom(400.025MHz) | 28.45 | |
| | Middle(453.225MHz) | 28.39 | |
| | Middle(454.025MHz) | 28.27 | |
| | Top (469.975MHz) | 28.37 | |

| Radiated Power Measurement Results | | | |
|------------------------------------|--------------------|--------------------------|--|
| Channel Separation | Channel | Measurement Result (dBm) | |
| | | For 30dBm(1W) | |
| 12.5 KHz | Bottom(400.025MHz) | 28.23 | |
| | Middle(453.225MHz) | 28.17 | |
| | Middle(454.025MHz) | 28.09 | |
| | Top (469.975MHz) | 28.11 | |

The results show on the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.





10.5 CONDUCT SPURIOUS PLOT

VHF:Analog:

Conducted Spurious Emission (worst) @136.025MHz With 12.5 KHz Channel Separation-5W



Conduct Spurious Emission (worst) @ 136.025MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.





Conducted Spurious Emission (worst) @151.850 MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 151.850MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @161.610 MHz With 12.5 KHz Channel Separation-5W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 161.610MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @173.975 MHz With 12.5 KHz Channel Separation-5W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 173.975MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @136.025MHz With 12.5 KHz Channel Separation-1W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

GC

Conduct Spurious Emission (worst) @ 136.025MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

1.17500000 GHz

Freq Offset

0.00000000 Hz

Signal Track

Man

Off

<u>Auto</u>

0n



Conducted Spurious Emission (worst) @151.850 MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

Type Freq

The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

#VBW 3 MHz

X Axis 7.61 GHz

LgAv

Start 1.00 GHz

#Res BW 1 MHz

Trace (1)

Marker

1

GC

鑫宇环检测

Attestation of Global Compliance

Stop 12.75 GHz

Amplitude -39.06 dBm

Sweep 19.66 ms (8192 pts)



Conducted Spurious Emission (worst) @161.610 MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 161.610MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @173.975MHz With 12.5 KHz Channel Separation-1W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 173.975MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

Actestation of Global Compliance

Digital: Conducted Spurious Emission (worst) @136.025MHz With 12.5 KHz Channel Separation-1W



Copyright 2000-2005 Agilent Technologies





The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @151.850 MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 151.850MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @161.610 MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

Type Freq

The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

X Axis 7.89 GHz

Marker

Trace (1)

AGC

鑫宇环检测

Attestation of Global Compliance

Amplitude -37.60 dBm

Signal Track

Off

0n



Conducted Spurious Emission (worst) @173.975 MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

AGC

鑫宇环检测

Attestation of Global Compliance



Conducted Spurious Emission (worst) @136.025MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 136.025MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results shown this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 🕵 this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gert.com.



Conducted Spurious Emission (worst) @151.850 MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 151.850MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @161.610 MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 161.610MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @173.975 MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 173.975MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



Note: only result the worst case in this part.

The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attraction.

AGC [®]鑫 宇 环 检 测 Attestation of Global Compliance

UHF: Analog:

Conducted Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-1W



Conduct Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-1W



The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attrp://www.agc.gett.com.



Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-1W

Copyright 2000–2005 Agilent Technologies

鑫 宇 环 检 测 Attestation of Global Compliance

GC

Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-1W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

Man

Off



Conducted Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

GC

Conduct Spurious Emission (worst) @ 400.025MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results shown this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 🕵 this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gert.com.



Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-5W

鑫宇环检测

Attestation of Global Compliance

GC

₩. Agilent Freg/Channel Mkr1 1.36 GHz Center Freq Ref 10 dBm #Atten 10 dB -23.73 dBm 6.87500000 GHz Peak Log 10 Start Freq dB/ 1 1.00000000 GHz Offst 28 dB Stop Freq 12.7500000 GHz DI 20.0**CF** Step dBm 1.17500000 GHz .gAv Auto Man Start 1.00 GHz Stop 12.75 GHz FreqOffset 0.00000000 Hz #Res BW 1 MHz #VBW 3 MHz Sweep 19.66 ms (8192 pts) Amplitude -23.73 dBm X Axis 1.36 GHz Marker Trace Type (1)Freq Signal Track 0n Off

Copyright 2000-2005 Agilent Techno

The results shown this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 🕵 this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gert.com.



Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-5W 30MHz-1GHz

Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-5W

The results shown this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 🕵 this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be

GCS Attestation of Global Compliance

confirmed at attp://www.agc-gert.com.

(1)

GC

鑫宇环检测

Attestation of Global Compliance

-37.14 dBm

Signal Track

<u> 0ff</u>

Ûn

Off



Conducted Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



Note: All the test frequencies was tested, but only the worst data be recorded in this part.

The results show on this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 👯 C, this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gert.com.



AGC

Report No.: AGC02294181204FE10 Page 144 of 170



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

AGC

鑫 宇 环 检 测 Attestation of Global Compliance



Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-1W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

GC

Conduct Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @ 469.975 MHz With 12.5 KHz Channel Separation-1W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

GC

Conduct Spurious Emission (worst) @ 469.975 MHz With 12.5 KHz Channel Separation-1W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.



Conducted Spurious Emission (worst) @ 400.025MHz MHz With 12.5 KHz Channel Separation-5W

Copyright 2000–2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 400.025MHz MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

AGC

12.7500000 GHz

1.17500000 GHz

FreqOffset 0.00000000 Hz

Signal Track

Auto

0n

CF Step

Man

Off



Conducted Spurious Emission (worst) @ 453.225MHz With 12.5 KHz Channel Separation-5W

1GHz-12.75GHz ₩. Agilent Freg/Channel Mkr1 1.36 GHz Center Freq Ref 10 dBm #Atten 10 dB -23.73 dBm 6.87500000 GHz Peak Log 10 Start Freq dB/ 1 1.00000000 GHz Offst 28 dB Stop Freq

#VBW 3 MHz

X Axis 1.36 GHz

Copyright 2000-2005 Agilent Techno

Type

Freq

The results shown this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 🕵 this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gert.com.

DI 20.0

dBm

.gAv

Start 1.00 GHz

#Res BW 1 MHz

Trace

(1)

Marker

GC

鑫宇环检测

Attestation of Global Compliance

Stop 12.75 GHz

Amplitude -23.73 dBm

Sweep 19.66 ms (8192 pts)



Conducted Spurious Emission (worst) @ 454.025MHz With 12.5 KHz Channel Separation-5W

₩. Agilent Freq/Channel Mkr2 2.46 GHz Center Freq -37.14 dBm Ref 10 dBm #Atten 10 dB 6.87500000 GHz Peak Log 10 Start Freq dB/ 1.00000000 GHz 1 Offst 0 28 dB Stop Freq 12.7500000 GHz DI 20.0 **CF** Step dBm 1.17500000 GHz LgAv Man <u>Auto</u> Start 1.00 GHz Stop 12.75 GHz Freq Offset 0.0000000 Hz #Res BW 1 MHz #VBW 3 MHz Sweep 19.66 ms (8192 pts) Marker Trace Type X Axis Amplitude Freq Freq 1.36 GHz 2.46 GHz -25.20 dBm (1)-37.14 dBm Signal Track Ûn <u> 0ff</u>

Copyright 2000-2005 Agilent Technologies

The results showed this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.geit.com.

GC

鑫宇环检测

Attestation of Global Compliance

Off



Conducted Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-5W

Copyright 2000-2005 Agilent Technologies

鑫宇环检测

Attestation of Global Compliance

Conduct Spurious Emission (worst) @ 469.975MHz With 12.5 KHz Channel Separation-5W 1GHz-12.75GHz



Note: All the test frequencies was tested, but only the worst data be recorded in this part.

The results show on this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by 👯 C, this document to reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc-gert.com.

AGC

GC 鑫 宇 环检 测 Attestation of Global Compliance

11. RANSMITTER FREQUENCY BEHAVIOR

11.1PROVISIONS APPLICABLE

FCC §90.214

| Time intervals ^{1, 2} | Maximum frequency difference ³ | All equipment | | |
|---|---|-----------------------------|-------------------------------|--|
| | | 150 to 174 MHz | 421 to 512 MHz | |
| Transient Frequency Behavior for Equipment | Transient Frequency Behavior for Equipment Designed to Operate on 25 kHz Channels | | | |
| t1 ⁴ t2 t3 ⁴ | ± 25.0 kHz ± 12.5 kHz ± 25.0 kHz | 5.0 ms 20.0 ms 5.0 ms | 10.0 ms 25.0 ms 10.0 ms | |
| Transient Frequency Behavior for Equipment Designed to Operate on 12.5 kHz Channels | | | | |
| t1 4 t2 t3 4 | ± 12.5 kHz ± 6.25 kHz ± 12.5 kHz | 5.0 ms 20.0 ms 5.0 ms | 10.0 ms 25.0 ms 10.0 ms | |
| Transient Frequency Behavior for Equipment Designed to Operate on 6.25 kHz Channels | | | | |
| t1 ⁴ t2 t3 ⁴ | ± 6.25 kHz ± 3.125 kHz ± 6.25 kHz | 5.0 ms 20.0 ms 5.0 ms | 10.0 ms 25.0 ms 10.0 ms | |

 $^{1}t_{on}$ is the instant when a 1 kHz test signal is completely suppressed, including any capture time due to phasing. t₁ is the time period immediately following t_{on}. t₂ is the time period immediately following t₁. t₃ is the time period from the instant when the transmitter is turned off until t_{off}. t_{off} is the instant when the 1 kHz test signal starts to rise. ² During the time from the end of t₂ to the beginning of t₃, the frequency difference must not exceed the limits specified in gn 213. § 90.213.

³ Difference between the actual transmitter frequency and the assigned transmitter frequency.
⁴ If the transmitter carrier output power rating is 6 watts or less, the frequency difference during this time period may exceed the maximum frequency difference for this time period.

11.2 TEST METHOD

TIA/EIA-603 2.2.19.3

The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by ACC, this document terror details and the authenticity of the report will be confirmed at http://www.agc-cert.com.




11.3 DESCRIBE LIMIT LINE OF RANSMITTER FREQUENCY BEHAVIOR

ton: The switch-on instant ton of a transmitter is defined by the condition when the output power, measured at the antenna terminal, exceeds 0,1 % of the full output power (-30 dBc).

t1: period of time starting at ton and finishing according to above 11.1

t2: period of time starting at the end of t1 and finishing according to above 11.1

toff: switch-off instant defined by the condition when the output power falls below 0,1 % of the full output power (-30 dBc).

t3: period of time that finishing at toff and starting according to above 11.1



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gait.com.

GC[®]鑫 宇 环 检 测 Attestation of Global Compliance

Report No.: AGC02294181204FE10 Page 154 of 170

11.4 MEASURE RESULT

VHF:

Transmitter Frequency Behavior @ 12.5 KHz Channel Separation--Off to On



Transmitter Frequency Behavior @ 12.5 KHz Channel Separation--On to Off



The results shows if this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.

AGC[®]鑫 宇 环 检 测 Attestation of Global Compliance

UHF:

Report No.: AGC02294181204FE10 Page 155 of 170

(%) Freq C tlk o auto triggering HP-IB/PRINT tlk only Talk Only Addressed 233552M型 Form Feed Off On И 077M Paper Length 11 in. 12 in. Set Up Printer 605M4 100.0ms 50.00ms 0.00s 10.00ms/div T 25.00ms △ 15.00ms T 10.00ms exit menu ٠ ref int

Transmitter Frequency Behavior @ 12.5 KHz Channel Separation--Off to On

Transmitter Frequency Behavior @ 12.5 KHz Channel Separation--On to Off



The results showing this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



12. AUDIO LOW PASS FILTER RESPONSE

12.1.TEST LIMITS

2.1047(a): Voice modulated communication equipment. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 to 5000 Hz shall be submitted. For equipment required to have an audio low-pass filter, a curve showing the frequency response of the filter or of all circuitry installed between the modulation limiter and the modulated stage shall be submitted.
90.242(b)(8): Recommended audio filter attenuation characteristics are given below:

| Audio band | Minimum Attenuation Rel. to 1 KHz Attenuation |
|-------------|---|
| 3 –20 KHz | 60 log ₁₀ (f/3) dB where f is in KHz |
| 20 – 30 KHz | 50dB |

12.2. METHOD OF MEASUREMENTS

The rated audio input signal was applied to the input of the audio low-pass filter (or of all modulation stages) using an audio oscillator, this input signal level and its corresponding output signal were then measured and recorded using the FFT Digital Spectrum Analyzer. Tests were repeated at different audio signal frequencies from 0 to 50 KHz.

The results show of this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gatt.com.



12.3.MEASURE RESULT

Analog:

12.5 KHZ CHANNEL SPACING, F3E, FREQUENCY OF ALL MODULATION STATES (TEST RESULT FOR UHF)-5W

| Audio Frequency (kHz) | Response Attenuation (dB) | Limit (dB) |
|----------------------------|---------------------------|------------|
| 1 | 0 | / |
| 3 | -1.33 | 0.00 |
| The Comment of the Comment | -6.68 | -5.00 |
| 5 minde | -10.55 | -8.87 |
| 6 | -13.72 | -12.04 |
| 7 | -16.40 | -14.72 |
| 8 | -18.72 | -17.04 |
| 0 🐔 and 9 💿 🛣 Tankori | -21.08 | -19.08 |
| 10 | -22.60 | -20.92 |
| 15 | -29.68 | -28.00 |
| 20 | -29.68 | -28.00 |
| 30 | -29.68 | -28.00 |
| 50 | -29.68 | -28.00 |
| 70 | -29.68 | -28.00 |



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agconter.com.

Report No.: AGC02294181204FE10 Page 158 of 170

12.5 KHZ CHANNEL SPACING, F3E, FREQUENCY OF ALL MODULATION STATES (TEST RESULT FOR VHF)-5W

鑫 宇 环 检 测 Attestation of Global Compliance

AGC

| Audio Frequency (kHz) | Response Attenuation (dB) | Limit (dB) |
|--------------------------|---------------------------|------------|
| 1 | 0 | / |
| 3 | -1.18 | 0.00 |
| 4 | -6.54 | -5.00 |
| 5 | -10.41 | -8.87 |
| The strand of the strand | -13.58 | -12.04 |
| 7 march | -16.26 | -14.72 |
| 8 | -18.58 | -17.04 |
| 9 | -20.62 | -19.08 |
| 10 | -22.46 | -20.92 |
| 15 | -29.54 | -28.00 |
| 20 | -29.54 | -28.00 |
| 30 | -29.54 | -28.00 |
| 50 | -29.23 | -28.00 |
| 70 | -29.28 | -28.00 |



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.



Report No.: AGC02294181204FE10 Page 159 of 170



APPENDIX I: PHOTOGRAPHS OF SETUP RADIATED EMISSION TEST SETUP

The results show on the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at attp://www.agc.gett.com.



Report No.: AGC02294181204FE10 Page 160 of 170



APPENDIX II PHOTOGRAPHS OF EUT

TOP VIEW OF EUT



The results shown in this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at http://www.agc.gett.com.