

**Figure 11: Test figure of spurious emissions, mode A.2, Y polarity (9kHz – 30MHz)**

**ACCURATE TECHNOLOGY CO.,LTD**

**FCC Class B 3m Radiated**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
 Manufacturer: THUMBS UP(UK) LTD  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: Y  
 Start of Test: 2017-2-17 /

**SCAN TABLE: "LFRE Fin"**

| Short Description: |           | _SUB STD VTERM2 1.70 |           |            |           |            |
|--------------------|-----------|----------------------|-----------|------------|-----------|------------|
| Start              | Stop      | Step                 | Detector  | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz            | 150.0 kHz | 100.0 Hz             | QuasiPeak | 1.0 s      | 200 Hz    | 1516M      |
| 150.0 kHz          | 30.0 MHz  | 5.0 kHz              | QuasiPeak | 1.0 s      | 9 kHz     | 1516M      |

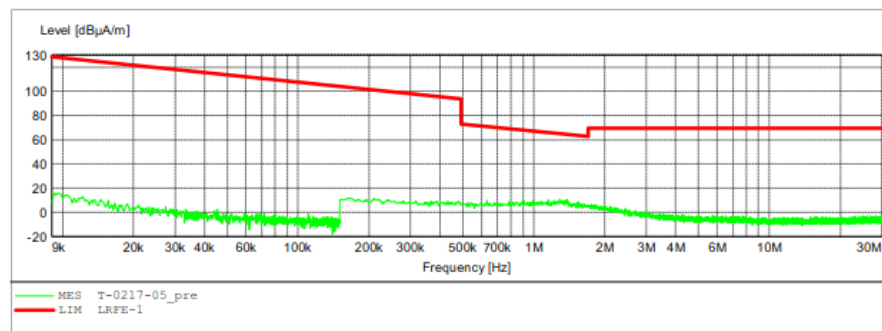


**Figure 12: Test figure of spurious emissions, mode A.2, Z polarity (9kHz – 30MHz)**

**ACCURATE TECHNOLOGY CO., LTD**

**FCC Class B 3m Radiated**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
 Manufacturer: THUMBS UP(UK) LTD  
 Operating Condition: TX 2441MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: Z  
 Start of Test: 2017-2-17 /

**SCAN TABLE: "LFRE Fin"**

| Short Description: |           |          | _SUB_STD VTERM2 1.70 |            |           |            |
|--------------------|-----------|----------|----------------------|------------|-----------|------------|
| Start              | Stop      | Step     | Detector             | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz            | 150.0 kHz | 100.0 Hz | QuasiPeak            | 1.0 s      | 200 Hz    | 1516M      |
| 150.0 kHz          | 30.0 MHz  | 5.0 kHz  | QuasiPeak            | 1.0 s      | 9 kHz     | 1516M      |

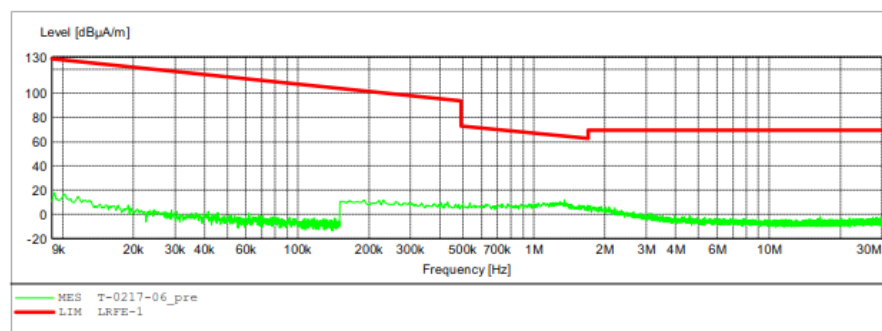


**Figure 13: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)**

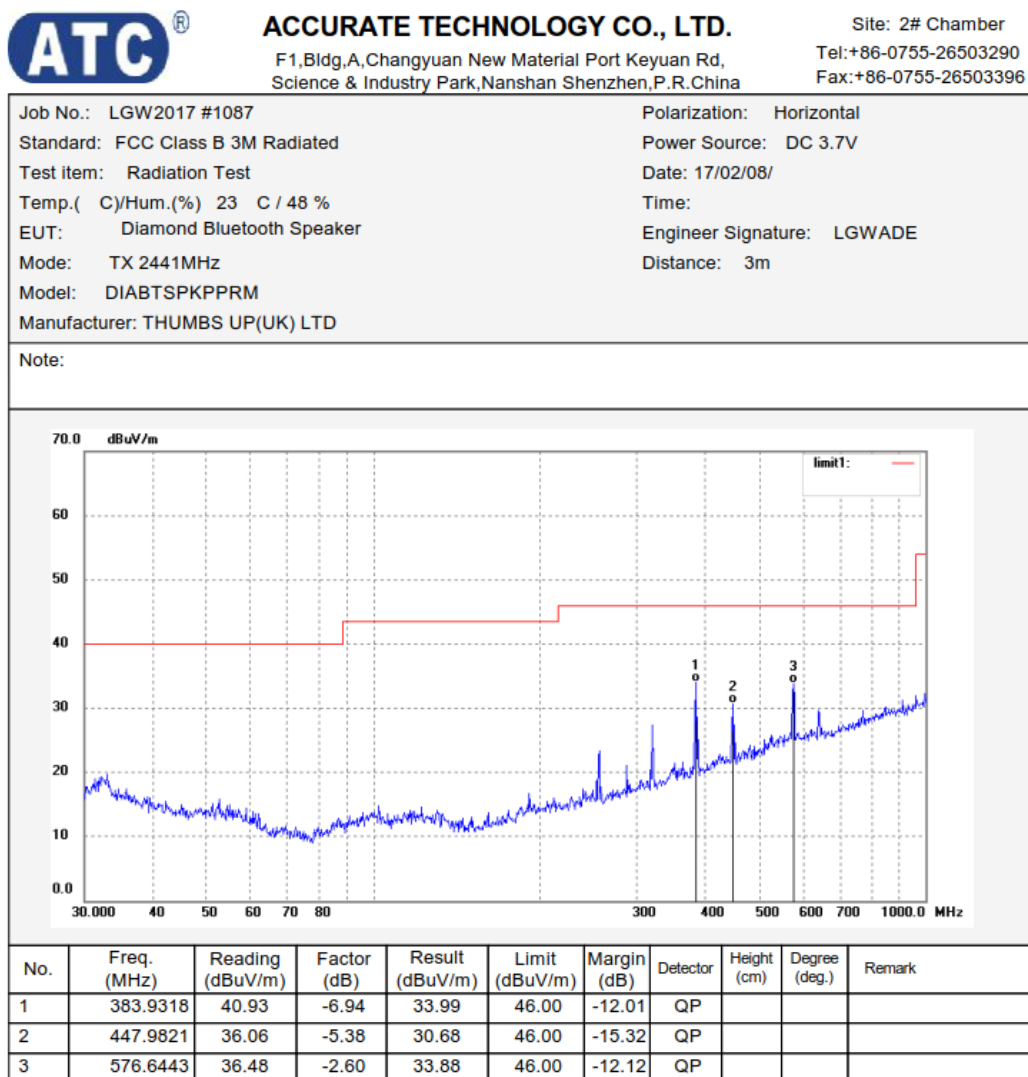


**Figure 14: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz)**



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1086

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Diamond Bluetooth Speaker

Mode: TX 2441MHz

Model: DIABTSPKPPRM

Manufacturer: THUMBS UP(UK) LTD

Polarization: Vertical

Power Source: DC 3.7V

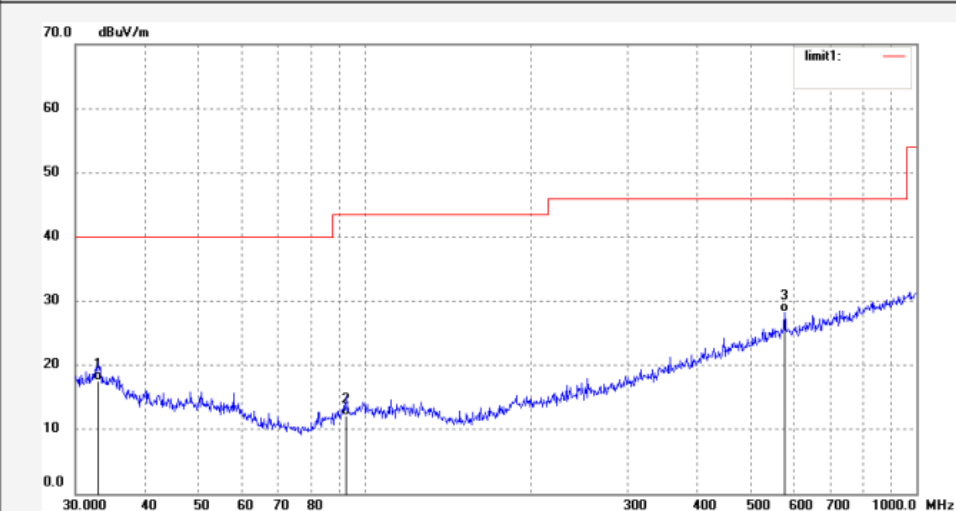
Date: 17/02/08/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 32.9791     | 27.41            | -9.82       | 17.59           | 40.00          | -22.41      | QP       |             |               |        |
| 2   | 92.7871     | 26.97            | -14.87      | 12.10           | 43.50          | -31.40      | QP       |             |               |        |
| 3   | 576.6443    | 30.83            | -2.60       | 28.23           | 46.00          | -17.77      | QP       |             |               |        |

**Figure 15: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz)**

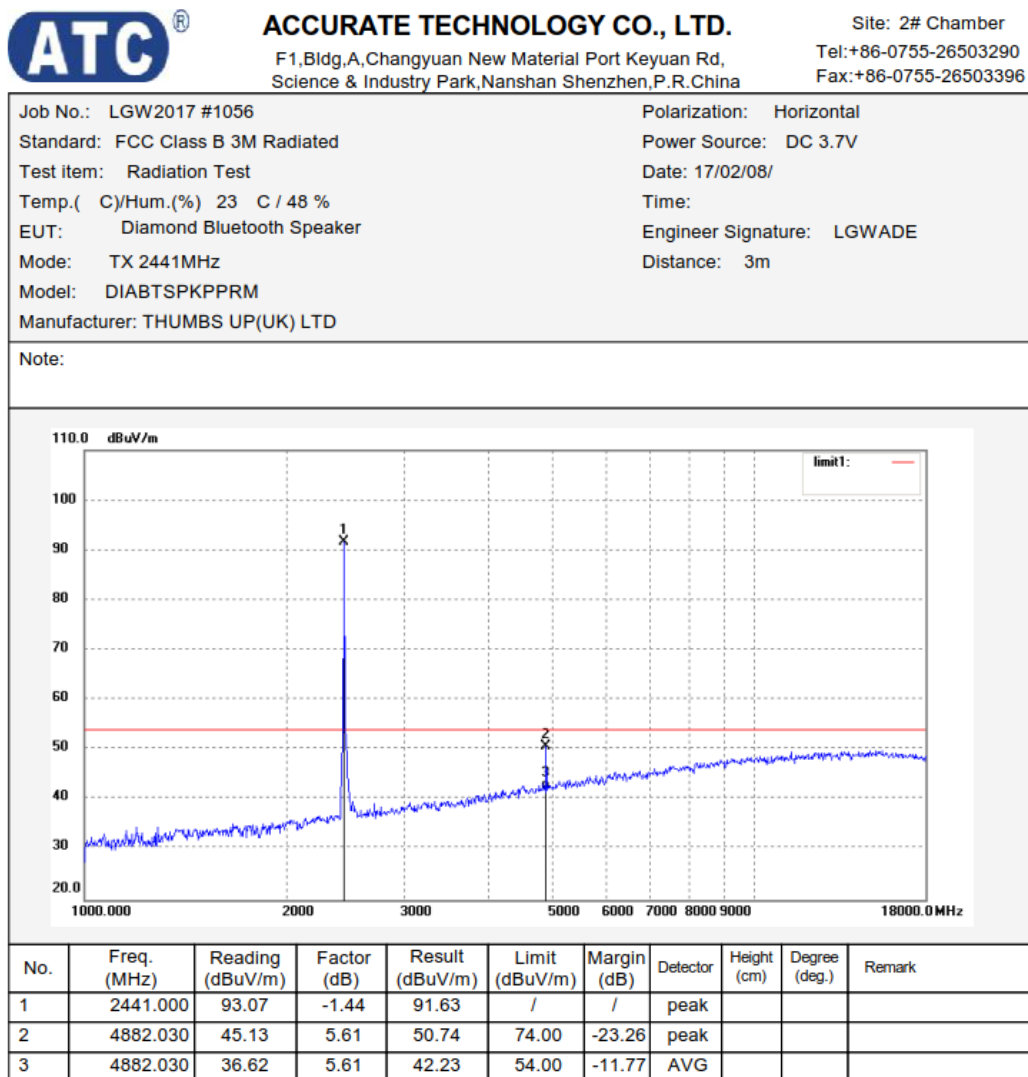


**Figure 16: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz)**



**ACCURATE TECHNOLOGY CO., LTD.**

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1057

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Diamond Bluetooth Speaker

Mode: TX 2441MHz

Model: DIABTSPKPPRM

Manufacturer: THUMBS UP(UK) LTD

Polarization: Vertical

Power Source: DC 3.7V

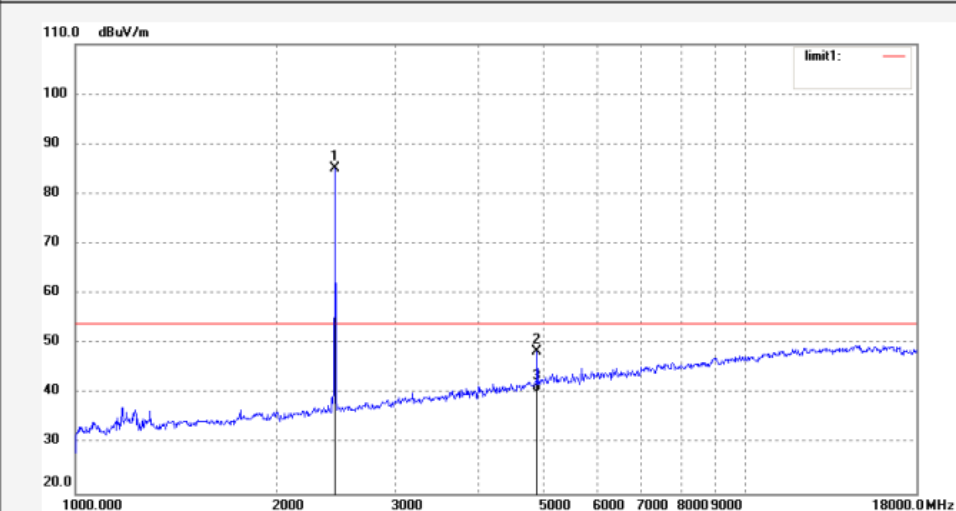
Date: 17/02/08/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2441.000    | 86.56            | -1.44       | 85.12           | /              | /           | peak     |             |               |        |
| 2   | 4882.027    | 42.93            | 5.61        | 48.54           | 74.00          | -25.46      | peak     |             |               |        |
| 3   | 4882.027    | 34.73            | 5.61        | 40.34           | 54.00          | -13.66      | AVG      |             |               |        |

**Figure 17: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz)**

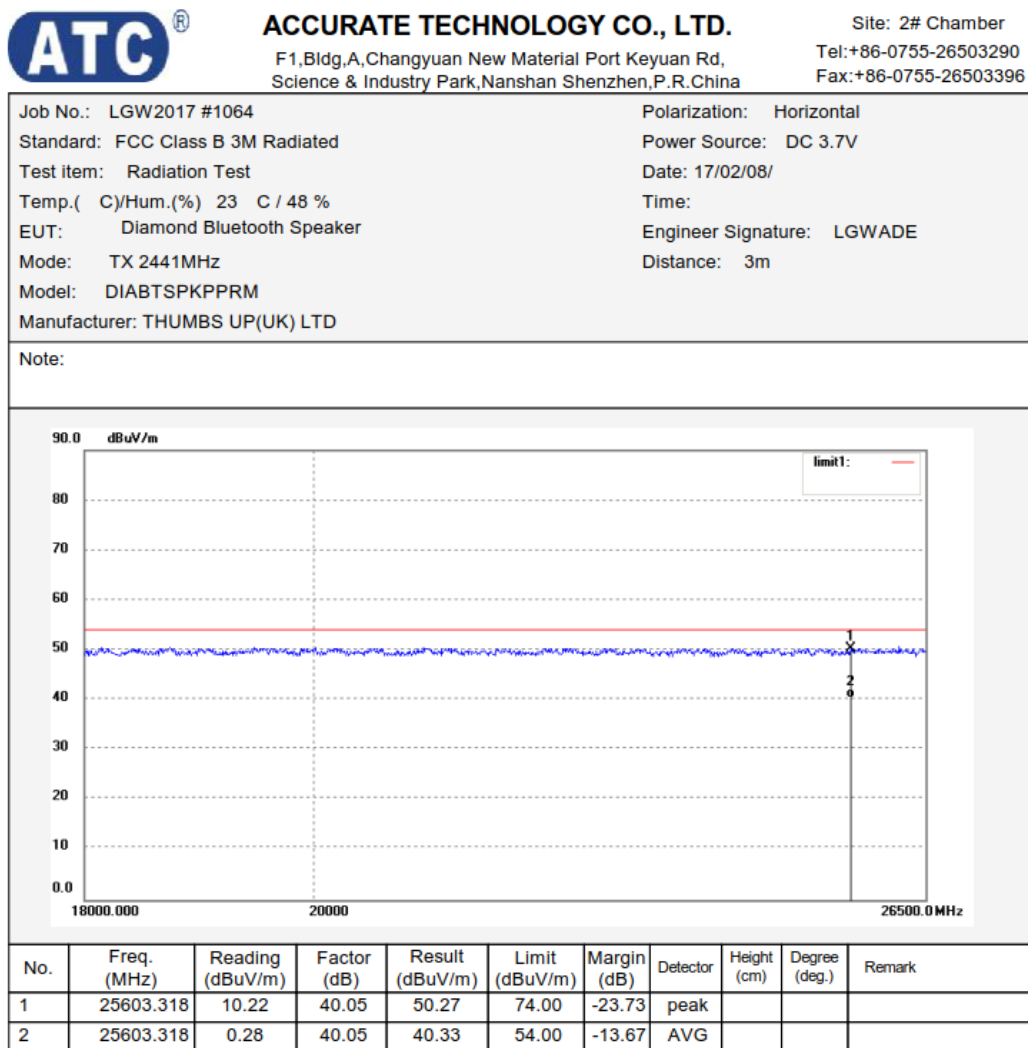


**Figure 18: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz)**

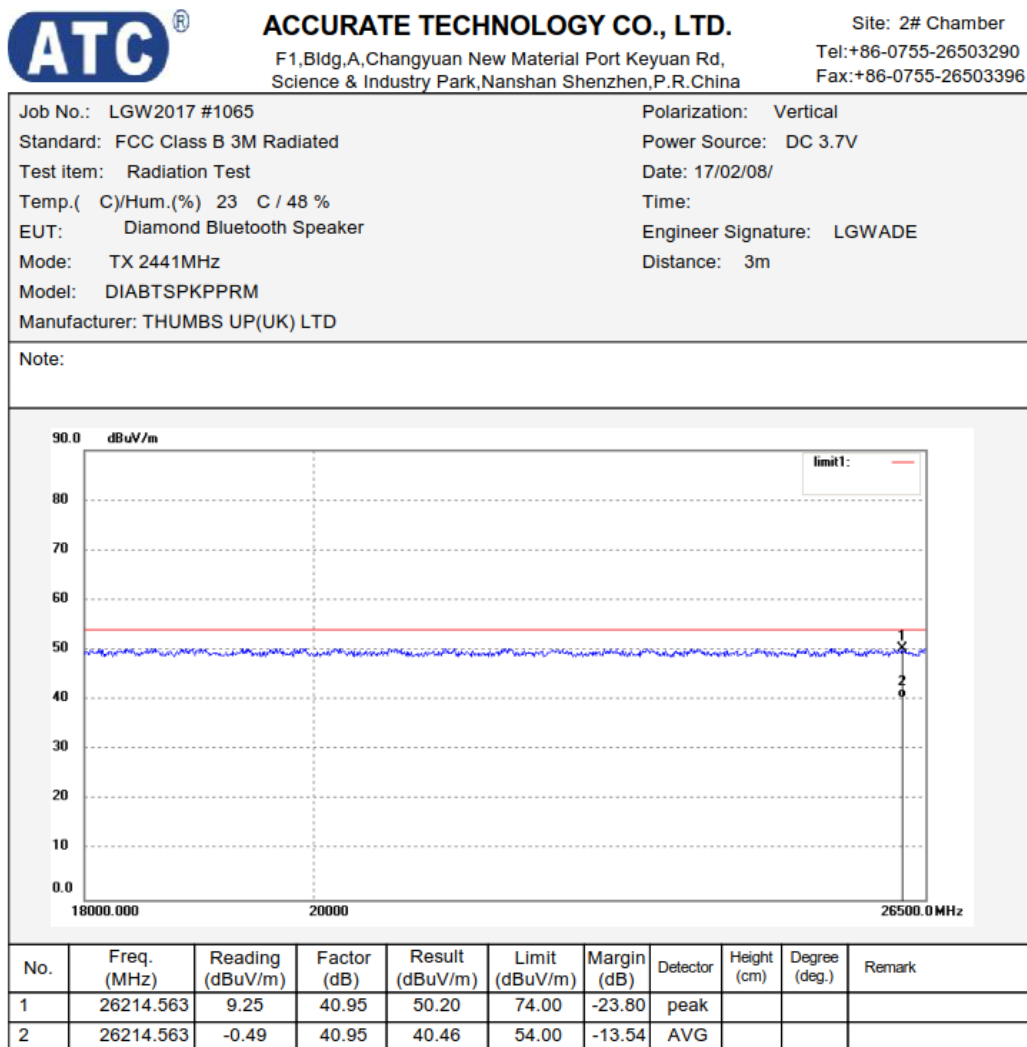


**Figure 19: Test figure of spurious emissions, mode A.3, X polarity (9kHz – 30MHz)**

**ACCURATE TECHNOLOGY CO., LTD**

**FCC Class B 3m Radiated**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
 Manufacturer: THUMBS UP(UK) LTD  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: X  
 Start of Test: 2017-2-17 /

**SCAN TABLE: "LFRE Fin"**

| Short Description: |           | SUB STD VTERM2 1.70 |           |            |           |            |
|--------------------|-----------|---------------------|-----------|------------|-----------|------------|
| Start              | Stop      | Step                | Detector  | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz            | 150.0 kHz | 100.0 Hz            | QuasiPeak | 1.0 s      | 200 Hz    | 1516M      |
| 150.0 kHz          | 30.0 MHz  | 5.0 kHz             | QuasiPeak | 1.0 s      | 9 kHz     | 1516M      |

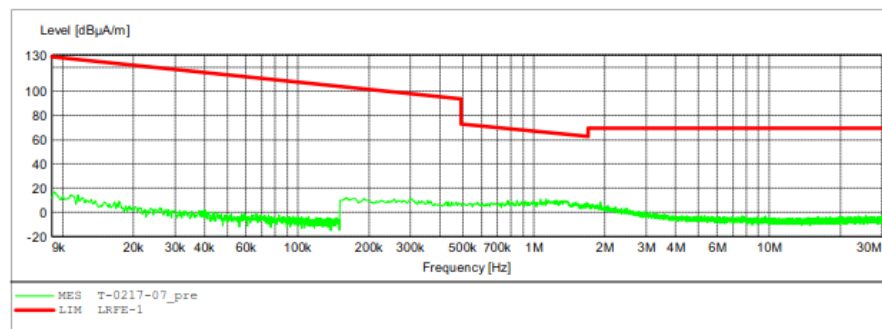


**Figure 20: Test figure of spurious emissions, mode A.3, Y polarity (9kHz – 30MHz)**

**ACCURATE TECHNOLOGY CO.,LTD**

**FCC Class B 3m Radiated**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
Manufacturer: THUMBS UP(UK) LTD  
Operating Condition: TX 2480MHz  
Test Site: 2# Chamber  
Operator: LGWADE  
Test Specification: DC 3.7V  
Comment: Y  
Start of Test: 2017-2-17 /

**SCAN TABLE: "LFRE Fin"**

| Short Description: |           | _SUB STD VTERM2 1.70 |           |            |           |            |
|--------------------|-----------|----------------------|-----------|------------|-----------|------------|
| Start              | Stop      | Step                 | Detector  | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz            | 150.0 kHz | 100.0 Hz             | QuasiPeak | 1.0 s      | 200 Hz    | 1516M      |
| 150.0 kHz          | 30.0 MHz  | 5.0 kHz              | QuasiPeak | 1.0 s      | 9 kHz     | 1516M      |

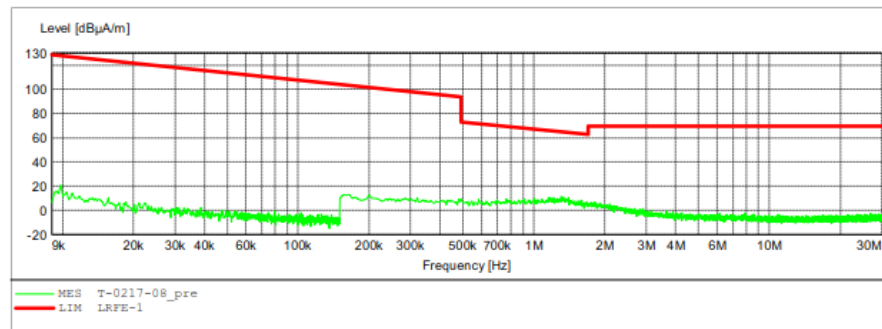


**Figure 21: Test figure of spurious emissions, mode A.3, Z polarity (9kHz – 30MHz)**

**ACCURATE TECHNOLOGY CO.,LTD**

**FCC Class B 3m Radiated**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
 Manufacturer: THUMBS UP(UK) LTD  
 Operating Condition: TX 2480MHz  
 Test Site: 2# Chamber  
 Operator: LGWADE  
 Test Specification: DC 3.7V  
 Comment: Z  
 Start of Test: 2017-2-17 /

**SCAN TABLE: "LFRE Fin"**

| Short Description: |           |          | _SUB_STD VTERM2 1.70 |            |           |            |
|--------------------|-----------|----------|----------------------|------------|-----------|------------|
| Start              | Stop      | Step     | Detector             | Meas. Time | IF Bandw. | Transducer |
| 9.0 kHz            | 150.0 kHz | 100.0 Hz | QuasiPeak            | 1.0 s      | 200 Hz    | 1516M      |
| 150.0 kHz          | 30.0 MHz  | 5.0 kHz  | QuasiPeak            | 1.0 s      | 9 kHz     | 1516M      |

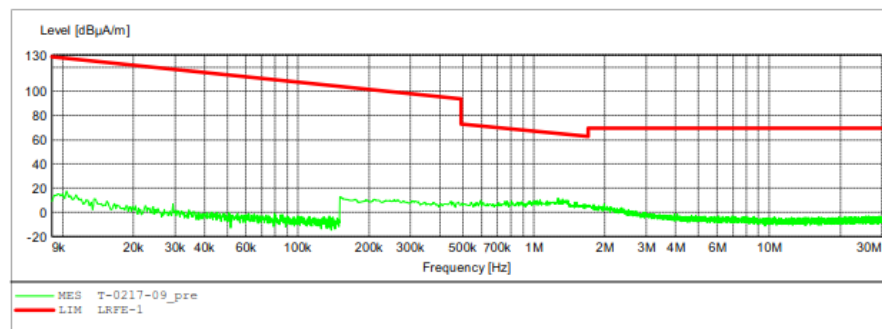


**Figure 22: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)**



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1088

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Diamond Bluetooth Speaker

Mode: TX 2480MHz

Model: DIABTSPKPPRM

Manufacturer: THUMBS UP(UK) LTD

Polarization: Horizontal

Power Source: DC 3.7V

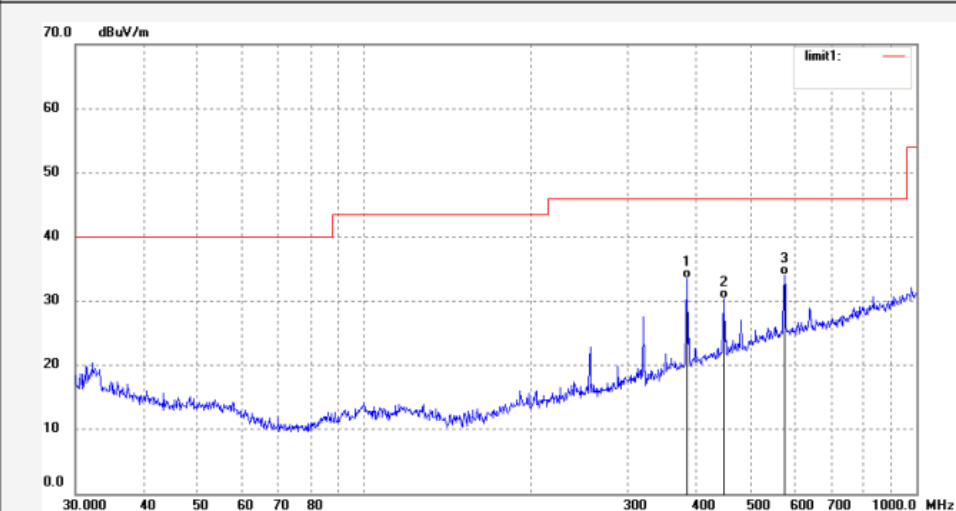
Date: 17/02/08/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 383.9318    | 40.45            | -6.94       | 33.51           | 46.00          | -12.49      | QP       |             |               |        |
| 2   | 447.9821    | 35.73            | -5.38       | 30.35           | 46.00          | -15.65      | QP       |             |               |        |
| 3   | 576.6443    | 36.70            | -2.60       | 34.10           | 46.00          | -11.90      | QP       |             |               |        |

**Figure 23: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz)**



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1089

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Diamond Bluetooth Speaker

Mode: TX 2480MHz

Model: DIABTSPKPPRM

Manufacturer: THUMBS UP(UK) LTD

Polarization: Vertical

Power Source: DC 3.7V

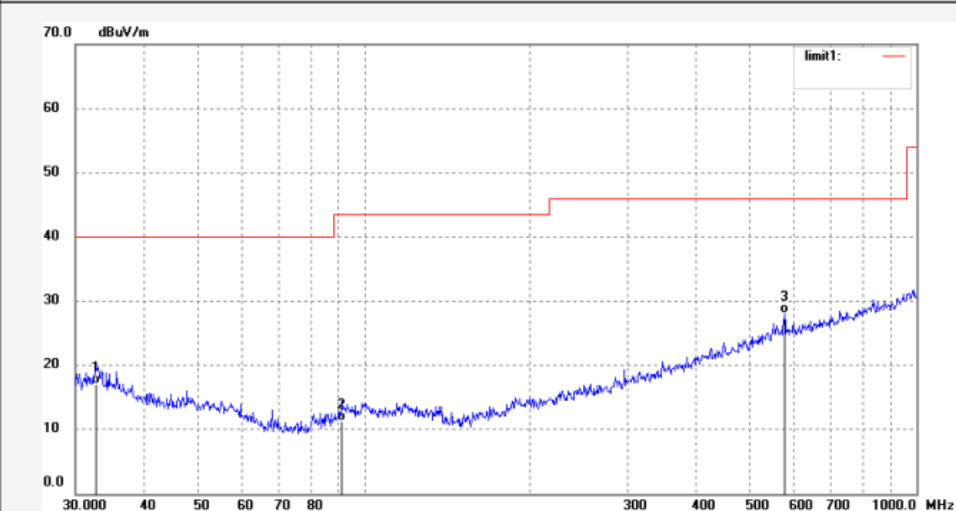
Date: 17/02/08/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 32.7486     | 26.78            | -9.75       | 17.03           | 40.00          | -22.97      | QP       |             |               |        |
| 2   | 91.1745     | 26.32            | -14.96      | 11.36           | 43.50          | -32.14      | QP       |             |               |        |
| 3   | 576.6443    | 30.65            | -2.60       | 28.05           | 46.00          | -17.95      | QP       |             |               |        |

**Figure 24: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz)**



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1059

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Diamond Bluetooth Speaker

Mode: TX 2480MHz

Model: DIABTSPKPPRM

Manufacturer: THUMBS UP(UK) LTD

Polarization: Horizontal

Power Source: DC 3.7V

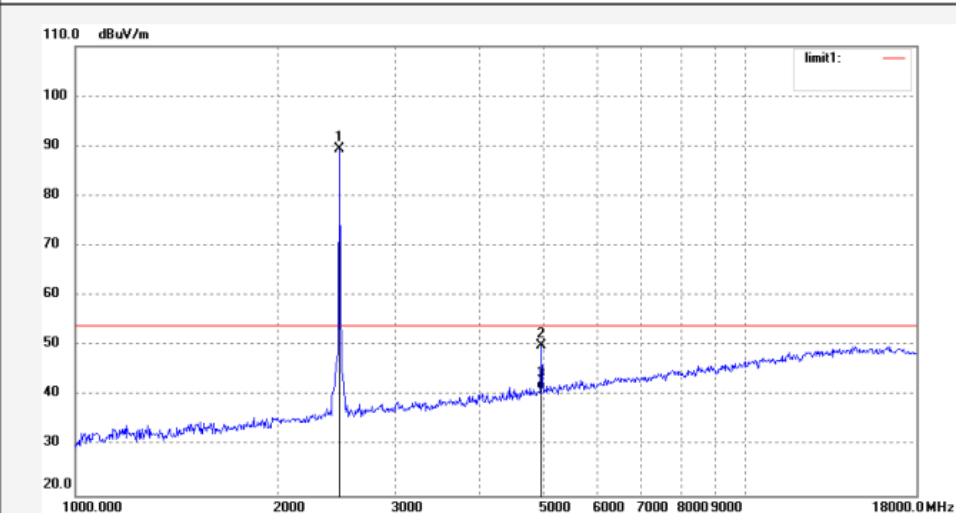
Date: 17/02/08/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 2480.000    | 90.72            | -1.40       | 89.32           | /              | /           | peak     |             |               |        |
| 2   | 4960.028    | 43.83            | 6.10        | 49.93           | 74.00          | -24.07      | peak     |             |               |        |
| 3   | 4960.028    | 35.23            | 6.10        | 41.33           | 54.00          | -12.67      | AVG      |             |               |        |

**Figure 25: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz)**

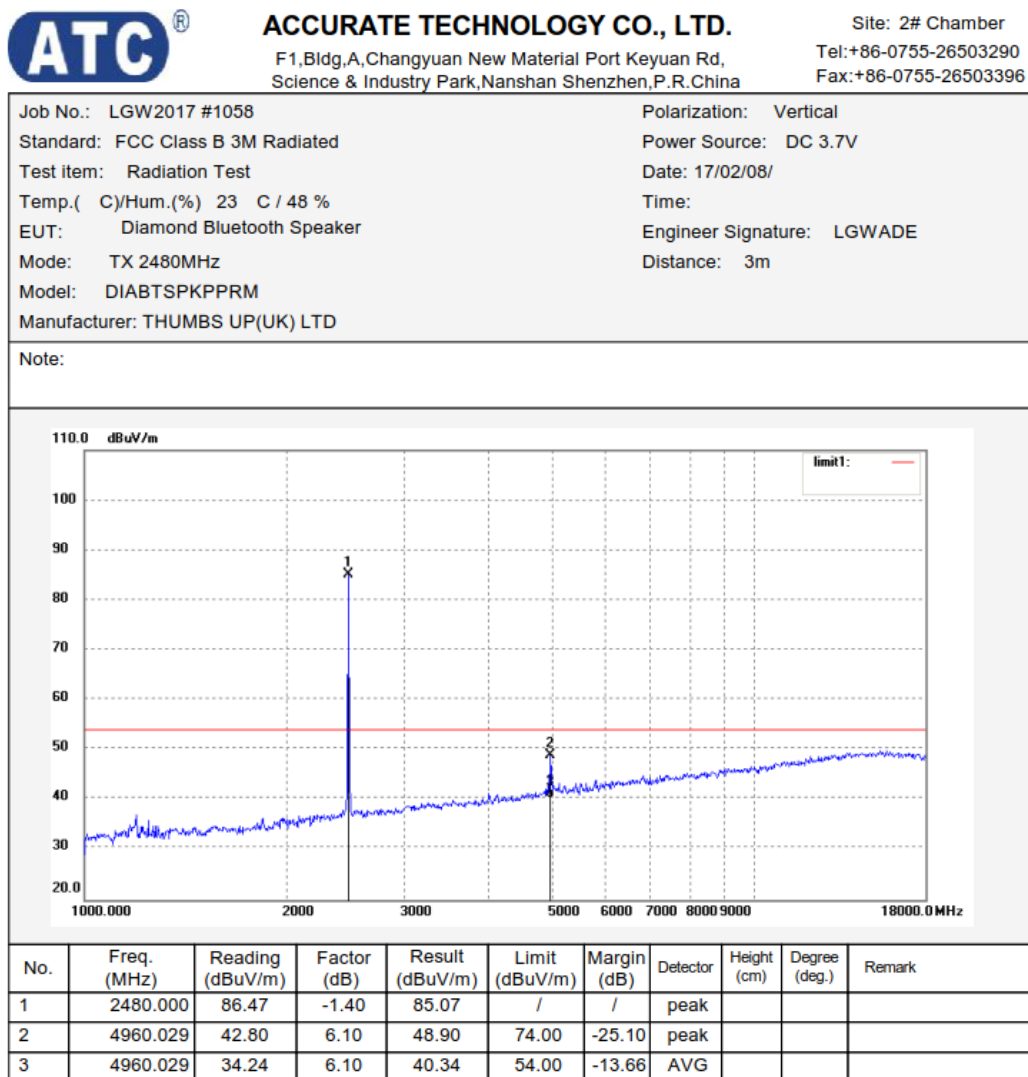


**Figure 26: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz –25GHz)**



**ACCURATE TECHNOLOGY CO., LTD.**

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2017 #1067

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.( C)/Hum.(%) 23 C / 48 %

EUT: Diamond Bluetooth Speaker

Mode: TX 2480MHz

Model: DIABTSPKPPRM

Manufacturer: THUMBS UP(UK) LTD

Polarization: Horizontal

Power Source: DC 3.7V

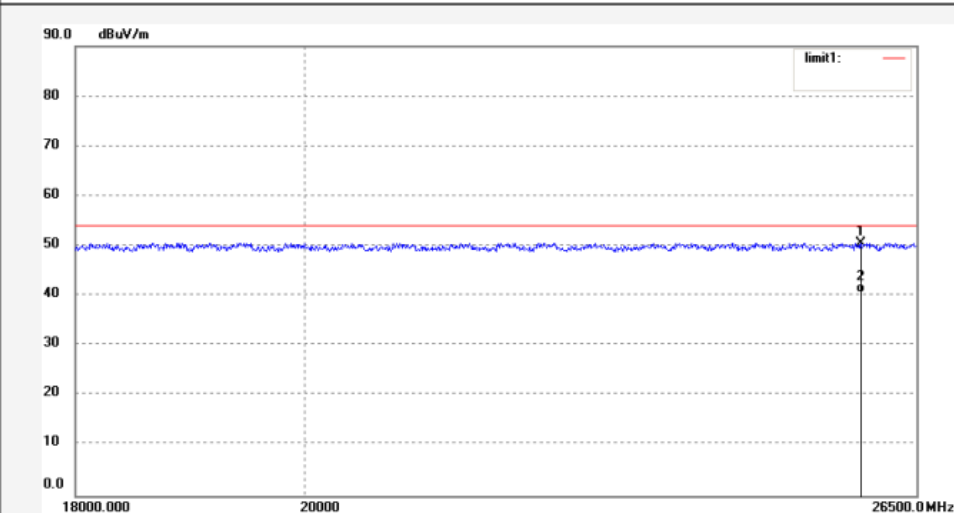
Date: 17/02/08/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------|------------------|-------------|-----------------|----------------|-------------|----------|-------------|---------------|--------|
| 1   | 25832.095   | 10.33            | 40.16       | 50.49           | 74.00          | -23.51      | peak     |             |               |        |
| 2   | 25832.095   | 0.53             | 40.16       | 40.69           | 54.00          | -13.31      | AVG      |             |               |        |

**Figure 27: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz)**

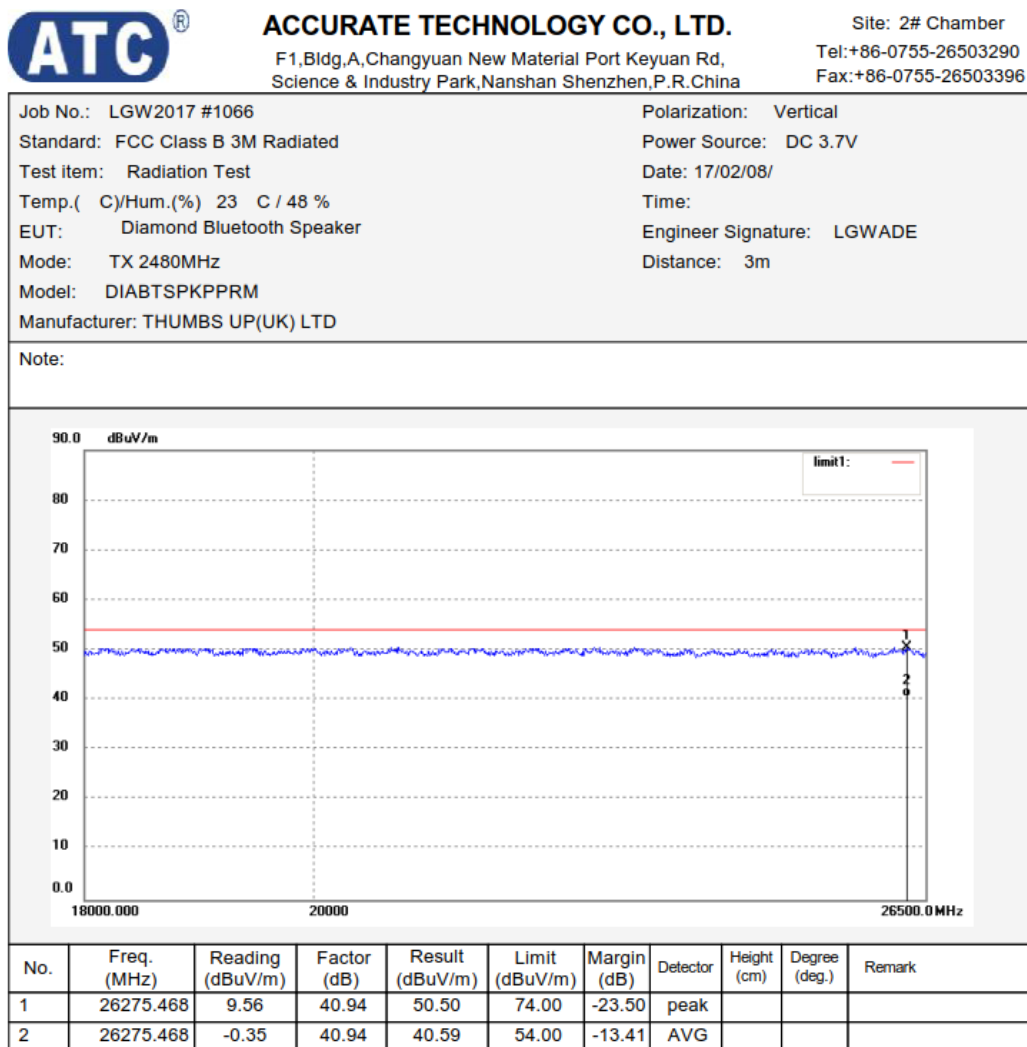


**Figure 28: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal**

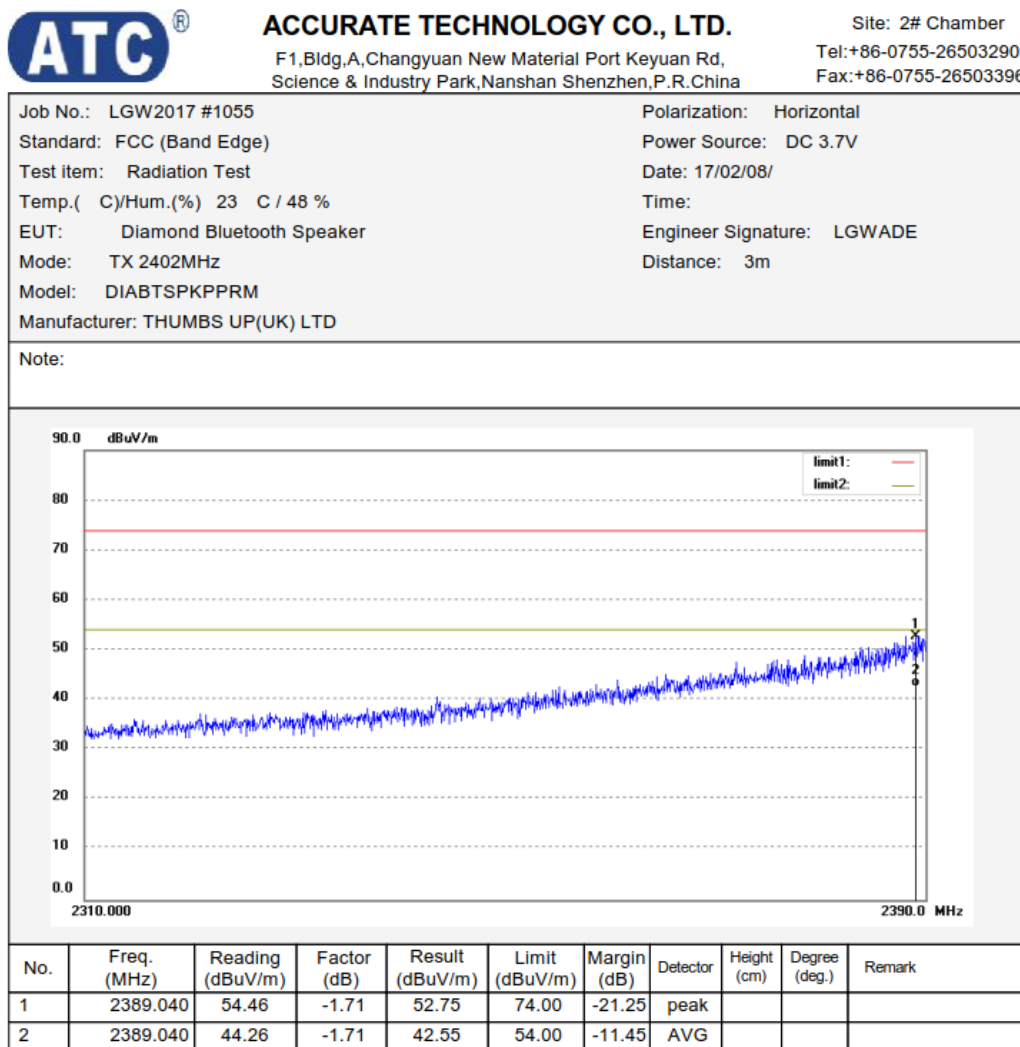


**Figure 29: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical**

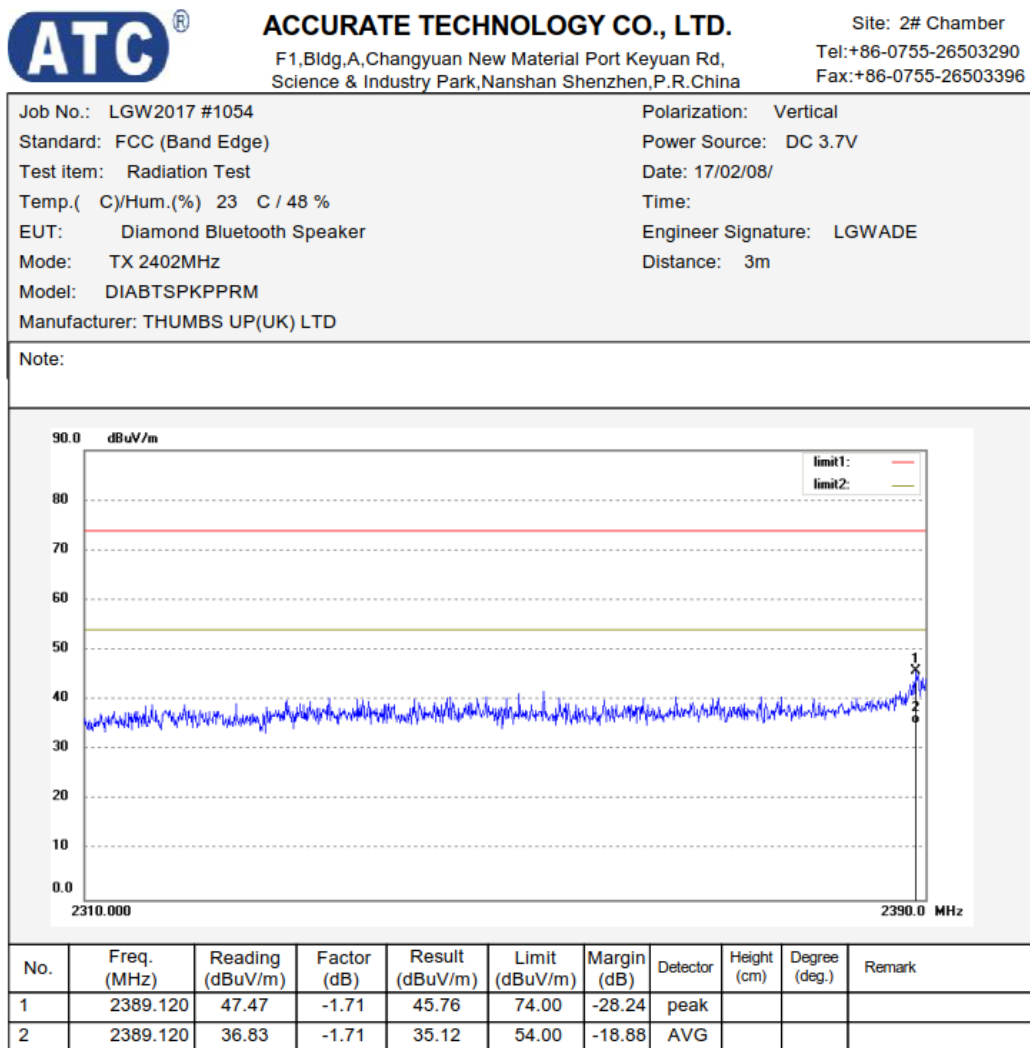


**Figure 30: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal**

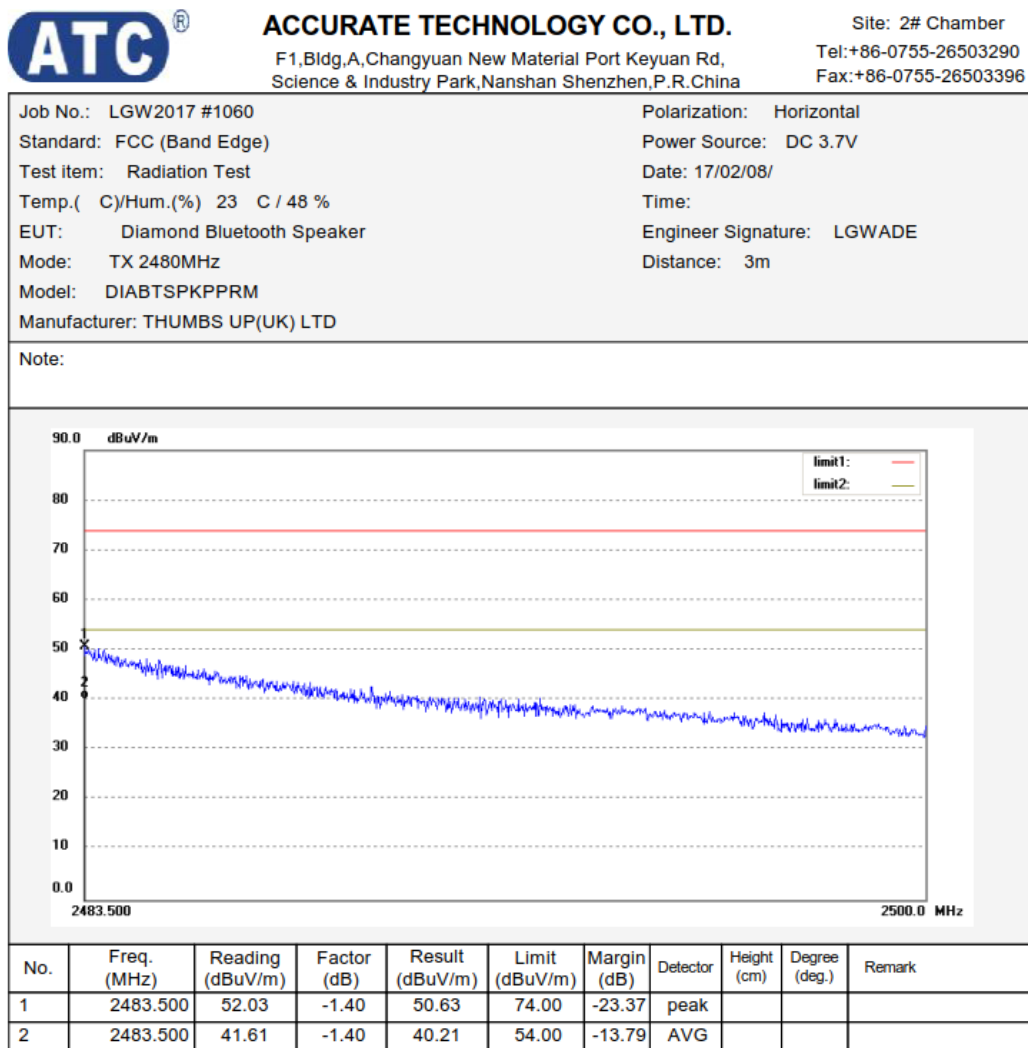


**Figure 31: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical**

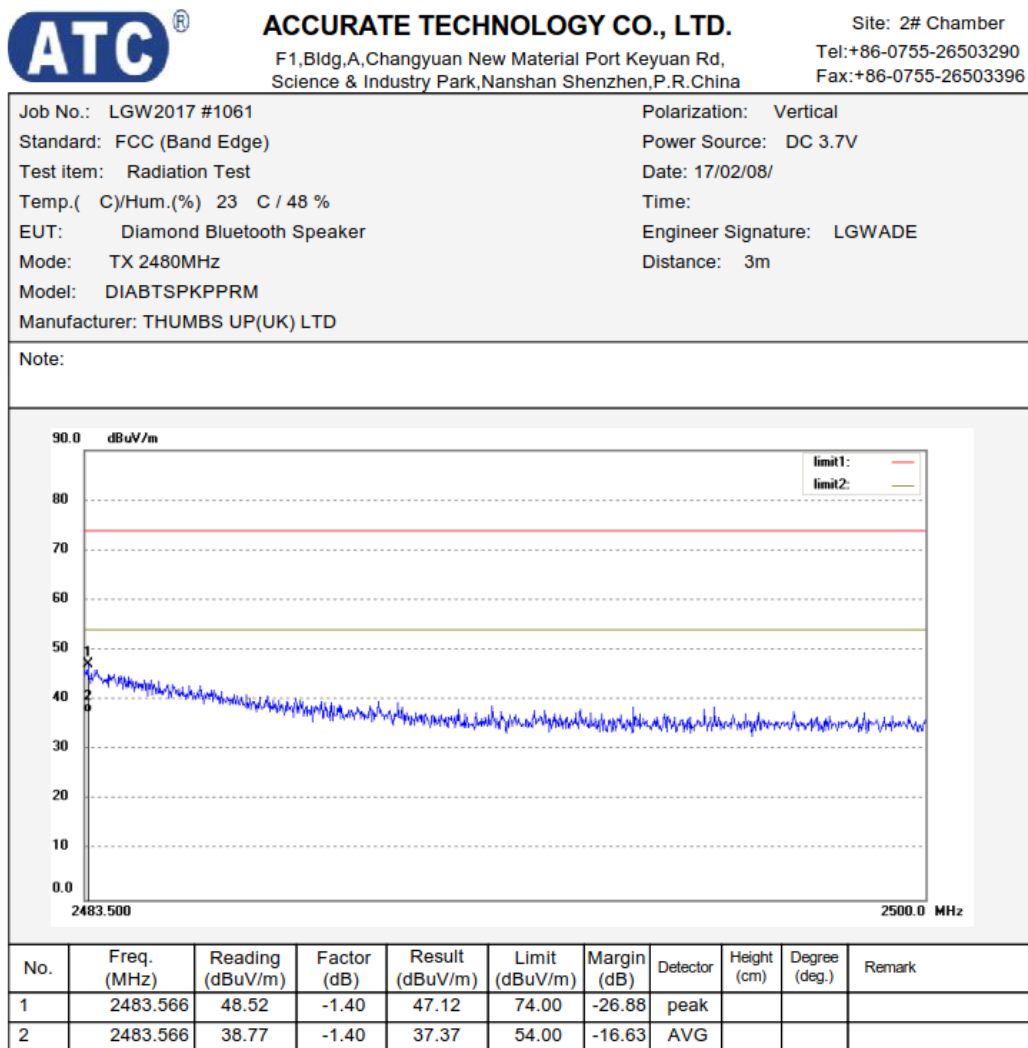


**Figure 32: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.1**

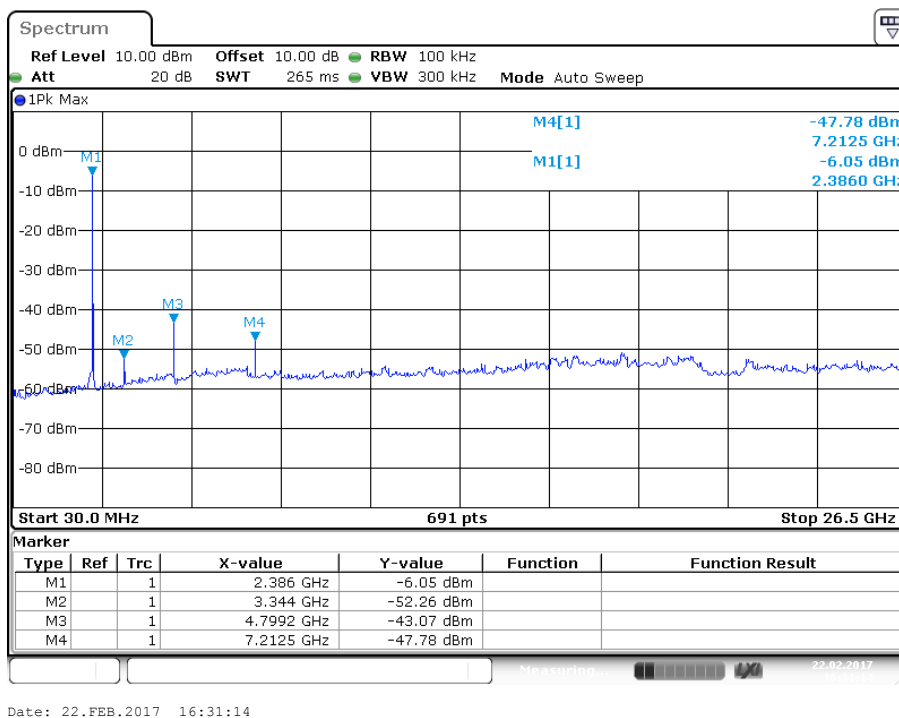


**Figure 33: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.2**

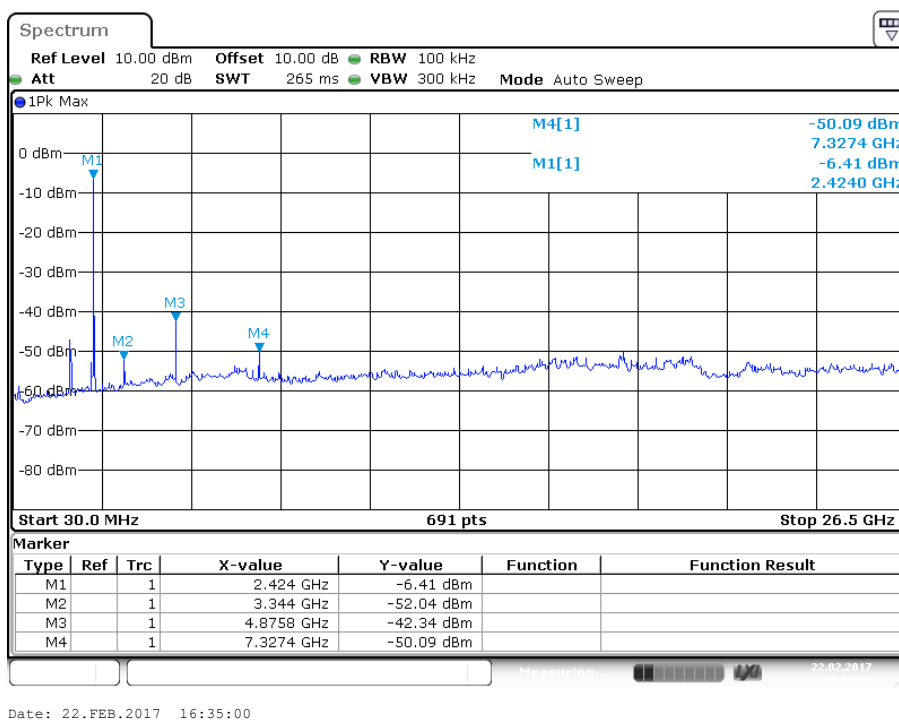


**Figure 34: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.3**

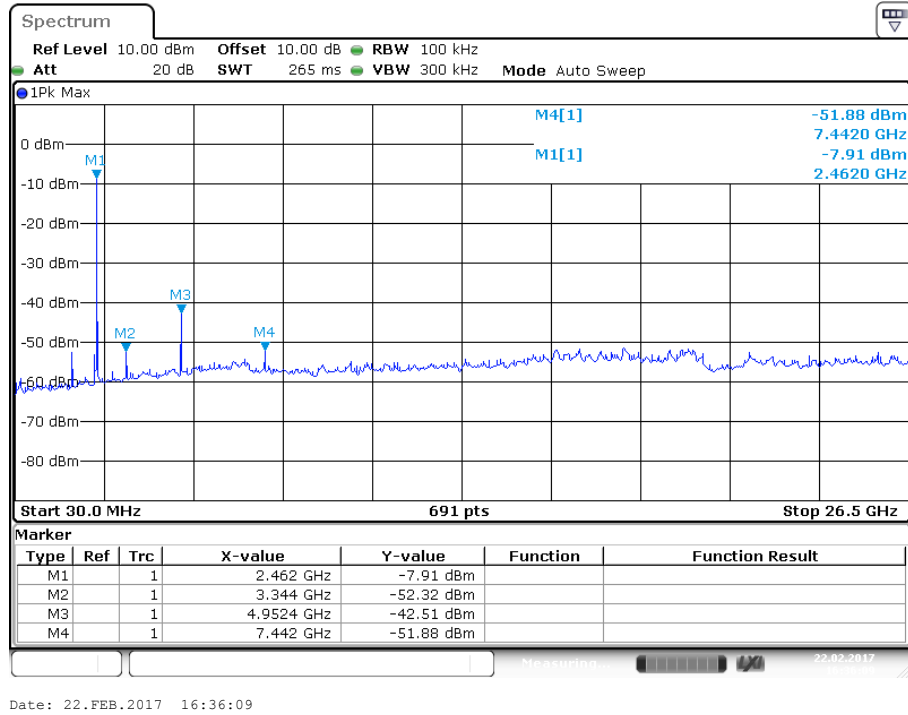


**Figure 35: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.1**

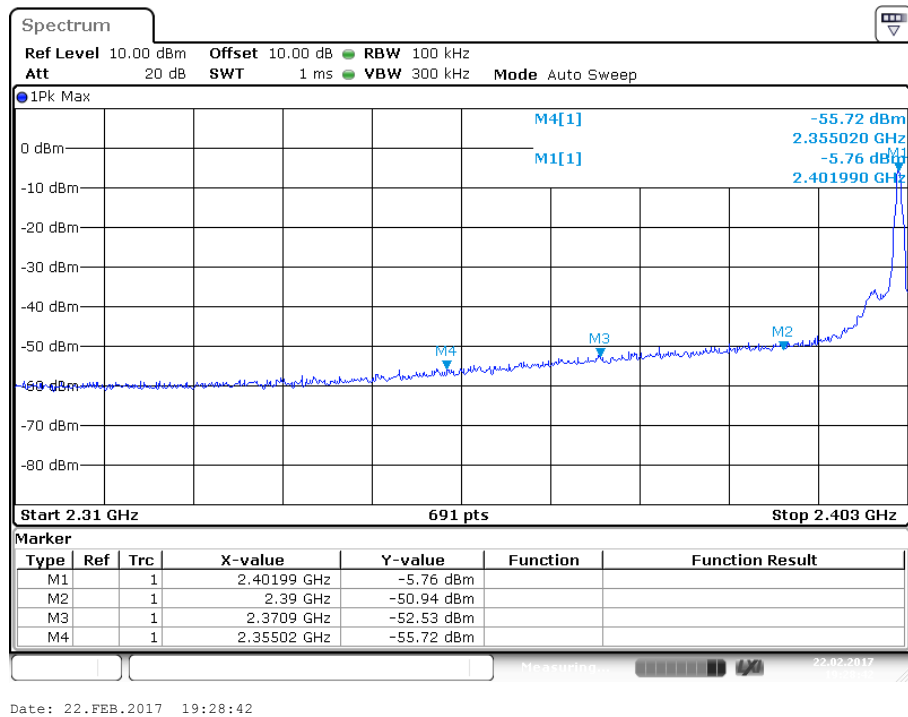
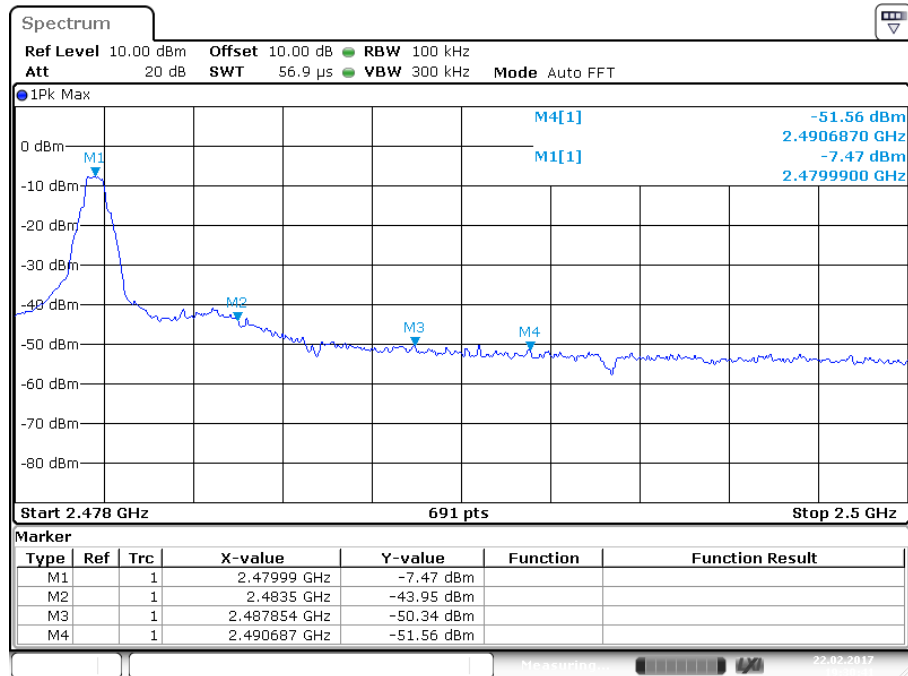


**Figure 36: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.3**



Date: 22.FEB.2017 19:30:42

**Figure 37: Test figure of Conducted emissions, Mode B, line live**

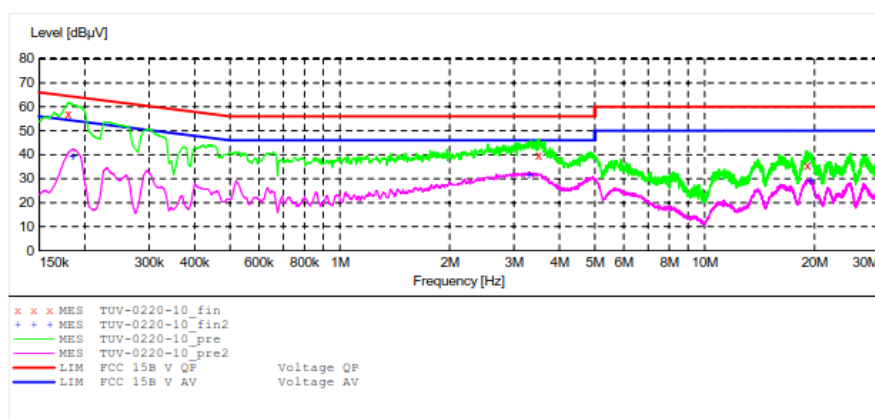
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
 Manufacturer: THUMBS UP(UK) LTD  
 Operating Condition: TX  
 Test Site: 1#Shielding Room  
 Operator: WADE  
 Test Specification: L 120V/60Hz  
 Comment: Mains Port  
 Start of Test: 2/20/2017 /

**SCAN TABLE: "V 9K-30MHz fin"**

Short Description: SUB STD VTERM2 1.70  
 Start Stop Step Detector Meas. IF Transducer  
 Frequency Frequency Width Time Bandw.  
 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
 Average  
 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
 Average



**MEASUREMENT RESULT: "TUV-0220-10\_fin"**

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.180000         | 57.30         | 10.5         | 65            | 7.2          | QP       | L1   | GND |
| 3.500000         | 39.60         | 11.1         | 56            | 16.4         | QP       | L1   | GND |
| 19.090000        | 35.40         | 11.4         | 60            | 24.6         | QP       | L1   | GND |

**MEASUREMENT RESULT: "TUV-0220-10\_fin2"**

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.185000         | 39.10         | 10.5         | 54            | 15.2         | AV       | L1   | GND |
| 3.300000         | 31.60         | 11.1         | 46            | 14.4         | AV       | L1   | GND |
| 19.420000        | 28.90         | 11.4         | 50            | 21.1         | AV       | L1   | GND |

**Figure 38: Test figure of Conducted emissions, Mode B, line neutral**

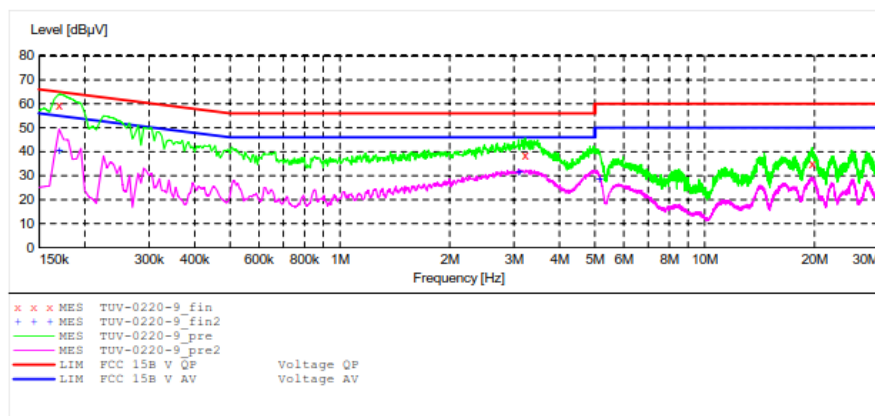
**ACCURATE TECHNOLOGY CO.,LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
Manufacturer: THUMBS UP(UK) LTD  
Operating Condition: TX  
Test Site: 1#Shielding Room  
Operator: WADE  
Test Specification: N 120V/60Hz  
Comment: Mains Port  
Start of Test: 2/20/2017 /

**SCAN TABLE: "V 9K-30MHz fin"**

Short Description: \_SUB\_STD\_VTERM2 1.70  
Start Stop Step Detector Meas. IF Transducer  
Frequency Frequency Width Time Bandw.  
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008  
Average  
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008  
Average



**MEASUREMENT RESULT: "TUV-0220-9\_fin"**

2/20/2017

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.170000         | 59.30         | 10.5         | 65            | 5.7          | QP       | N    | GND |
| 3.220000         | 38.70         | 11.1         | 56            | 17.3         | QP       | N    | GND |
| 19.705000        | 34.90         | 11.4         | 60            | 25.1         | QP       | N    | GND |

**MEASUREMENT RESULT: "TUV-0220-9\_fin2"**

2/20/2017

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.170000         | 40.10         | 10.5         | 55            | 14.9         | AV       | N    | GND |
| 3.090000         | 31.50         | 11.1         | 46            | 14.5         | AV       | N    | GND |
| 5.140000         | 28.60         | 11.2         | 50            | 21.4         | AV       | N    | GND |

**Figure 39: Test figure of Conducted emissions, Mode C+D, line live**

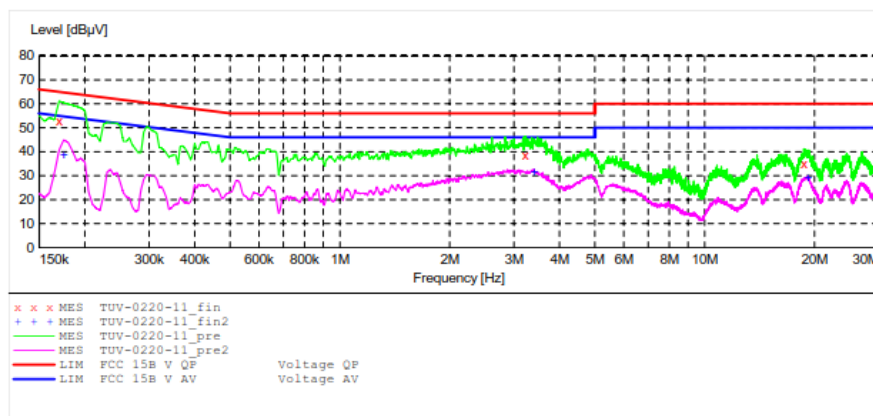
**ACCURATE TECHNOLOGY CO., LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
Manufacturer: THUMBS UP(UK) LTD  
Operating Condition: Charging + Aux in  
Test Site: 1#Shielding Room  
Operator: WADE  
Test Specification: L 120V/60Hz  
Comment: Mains Port  
Start of Test: 2/20/2017 /

**SCAN TABLE: "V 9K-30MHz fin"**

| Start     | Stop      | Step     | Detector  | Meas. Time | IF Bandw. | Transducer    |
|-----------|-----------|----------|-----------|------------|-----------|---------------|
| 9.0 kHz   | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s      | 200 Hz    | NSLK8126 2008 |
| 150.0 kHz | 30.0 MHz  | 5.0 kHz  | Average   | 1.0 s      | 9 kHz     | NSLK8126 2008 |



**MEASUREMENT RESULT: "TUV-0220-11\_fin"**

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.170000      | 52.90      | 10.5      | 65         | 12.1      | QP       | L1   | GND |
| 3.220000      | 38.70      | 11.1      | 56         | 17.3      | QP       | L1   | GND |
| 18.700000     | 34.90      | 11.4      | 60         | 25.1      | QP       | L1   | GND |

**MEASUREMENT RESULT: "TUV-0220-11\_fin2"**

| Frequency MHz | Level dBμV | Transd dB | Limit dBμV | Margin dB | Detector | Line | PE  |
|---------------|------------|-----------|------------|-----------|----------|------|-----|
| 0.175000      | 38.40      | 10.5      | 55         | 16.3      | AV       | L1   | GND |
| 3.400000      | 31.30      | 11.1      | 46         | 14.7      | AV       | L1   | GND |
| 19.180000     | 28.80      | 11.4      | 50         | 21.2      | AV       | L1   | GND |

**Figure 40: Test figure of Conducted emissions, Mode C+D, line neutral**

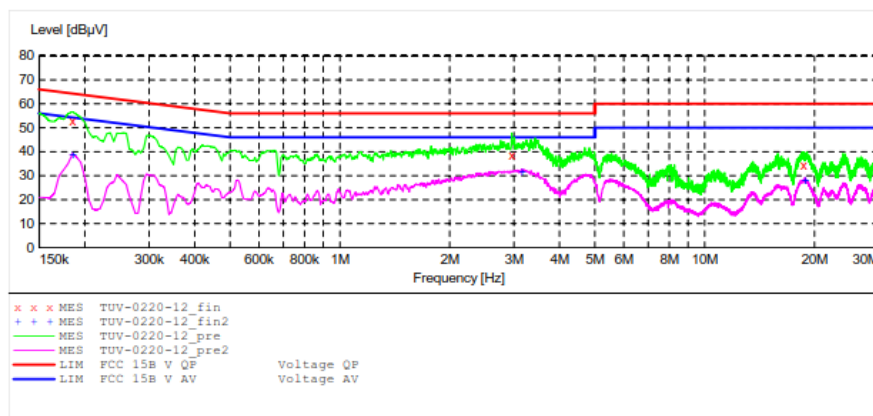
**ACCURATE TECHNOLOGY CO.,LTD**

**CONDUCTED EMISSION STANDARD FCC PART 15 B**

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM  
Manufacturer: THUMBS UP(UK) LTD  
Operating Condition: Charging + Aux in  
Test Site: 1#Shielding Room  
Operator: WADE  
Test Specification: N 120V/60Hz  
Comment: Mains Port  
Start of Test: 2/20/2017 /

**SCAN TABLE: "V 9K-30MHz fin"**

| Start     | Stop      | Step     | Detector  | Meas. Time | IF Bandw. | Transducer    |               |
|-----------|-----------|----------|-----------|------------|-----------|---------------|---------------|
| 9.0 kHz   | 150.0 kHz | 100.0 Hz | QuasiPeak | 1.0 s      | 200 Hz    | NSLK8126 2008 |               |
| 150.0 kHz | 30.0 MHz  | 5.0 kHz  | Average   | QuasiPeak  | 1.0 s     | 9 kHz         | NSLK8126 2008 |
|           |           |          | Average   |            |           |               |               |



**MEASUREMENT RESULT: "TUV-0220-12\_fin"**

2/20/2017

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.185000         | 52.90         | 10.5         | 64            | 11.4         | QP       | N    | GND |
| 2.960000         | 38.30         | 11.1         | 56            | 17.7         | QP       | N    | GND |
| 18.655000        | 34.30         | 11.4         | 60            | 25.7         | QP       | N    | GND |

**MEASUREMENT RESULT: "TUV-0220-12\_fin2"**

2/20/2017

| Frequency<br>MHz | Level<br>dBμV | Transd<br>dB | Limit<br>dBμV | Margin<br>dB | Detector | Line | PE  |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.185000         | 38.60         | 10.5         | 54            | 15.7         | AV       | N    | GND |
| 3.150000         | 31.50         | 11.1         | 46            | 14.5         | AV       | N    | GND |
| 18.820000        | 27.70         | 11.4         | 50            | 22.3         | AV       | N    | GND |

**Figure 41: Test figure of Radiated emissions, Mode C, Below 1GHz, Horizontal**

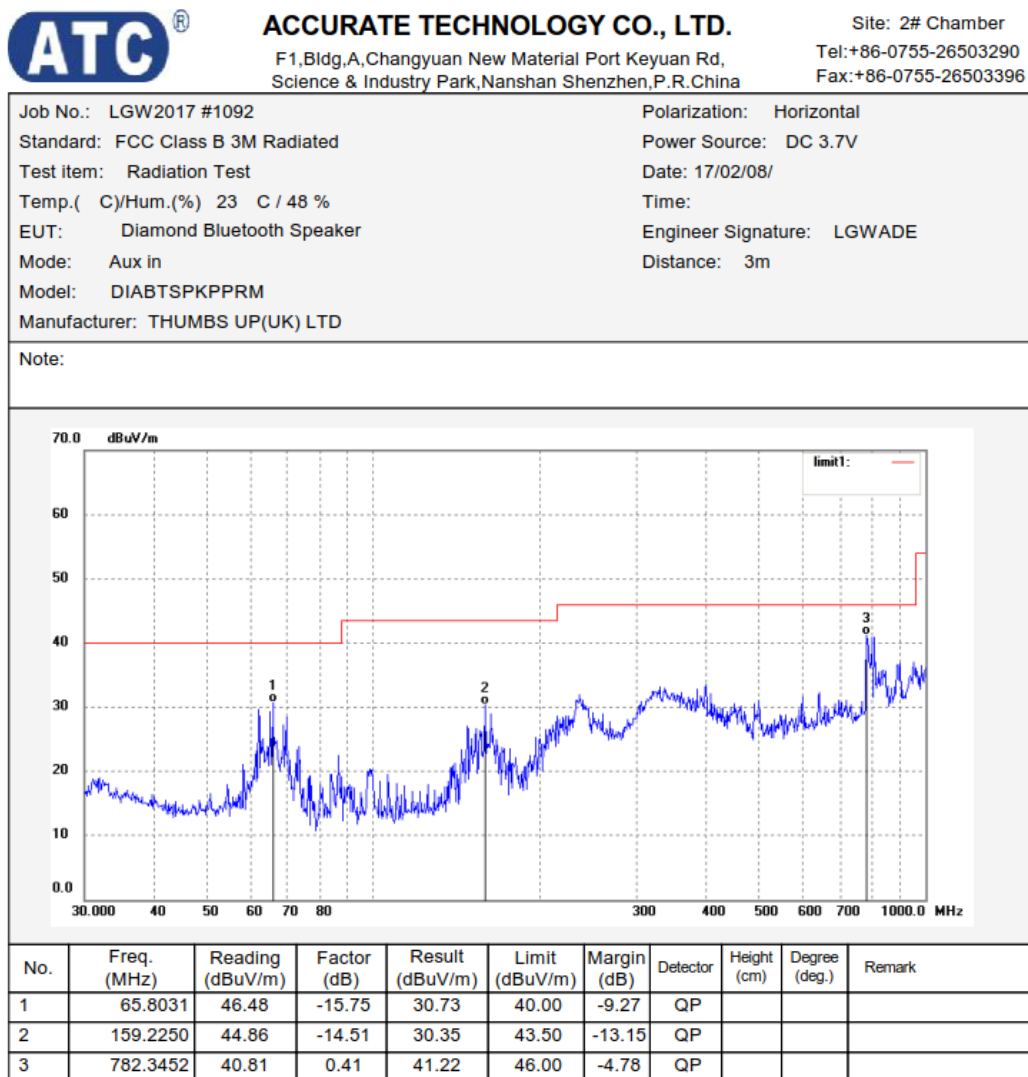


**Figure 42: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical**

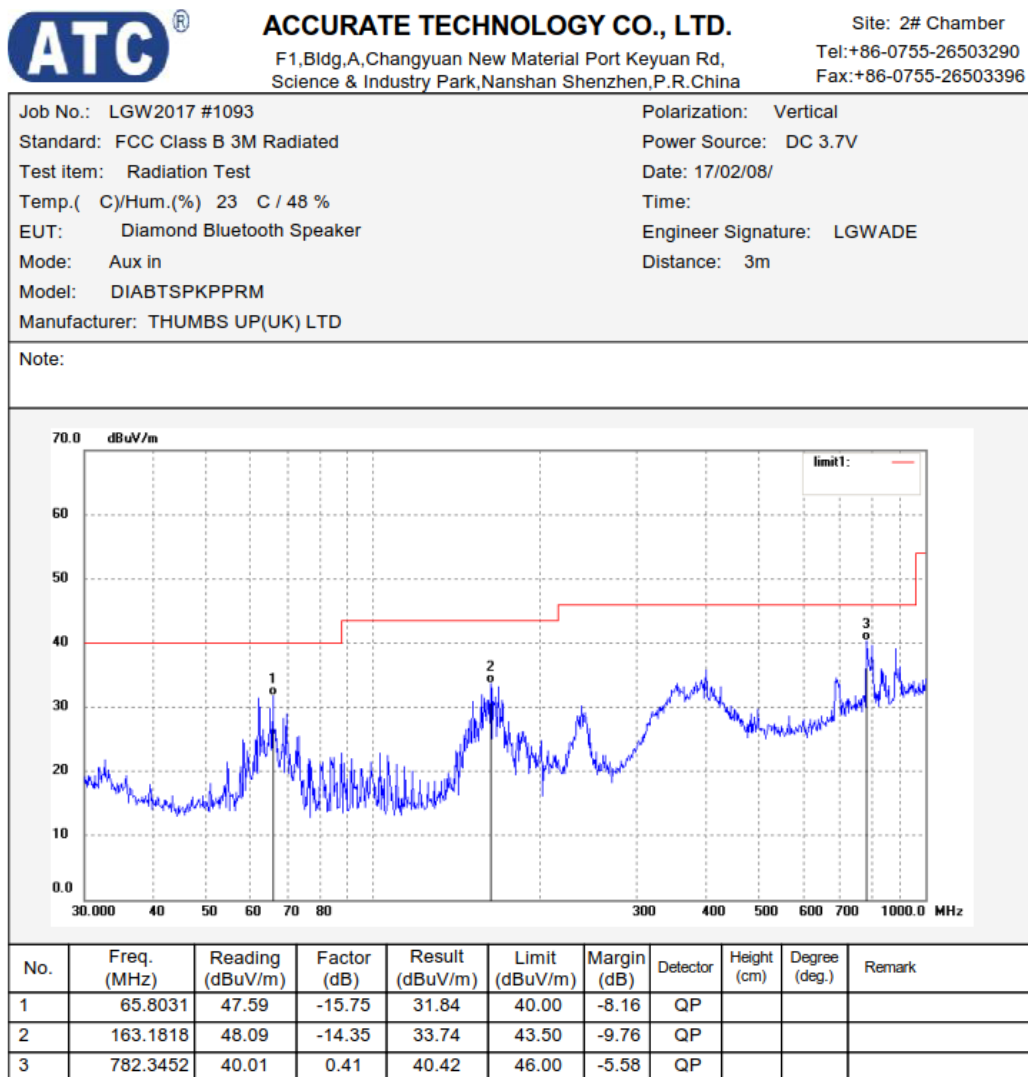


**Figure 43: Test figure of Radiated emissions, Mode C, Above 1GHz, Horizontal**

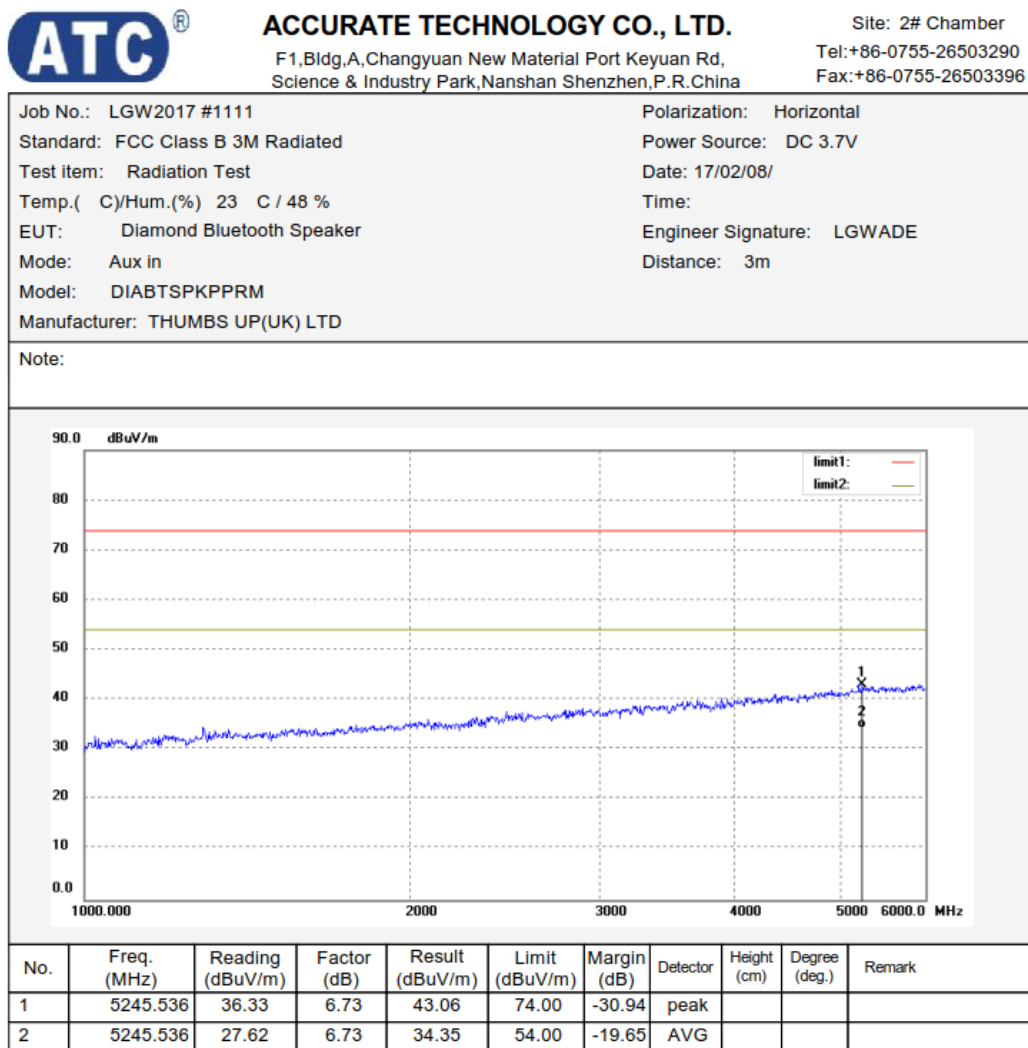


**Figure 44: Test figure of Radiated emissions, Mode C, Above 1GHz, Vertical**

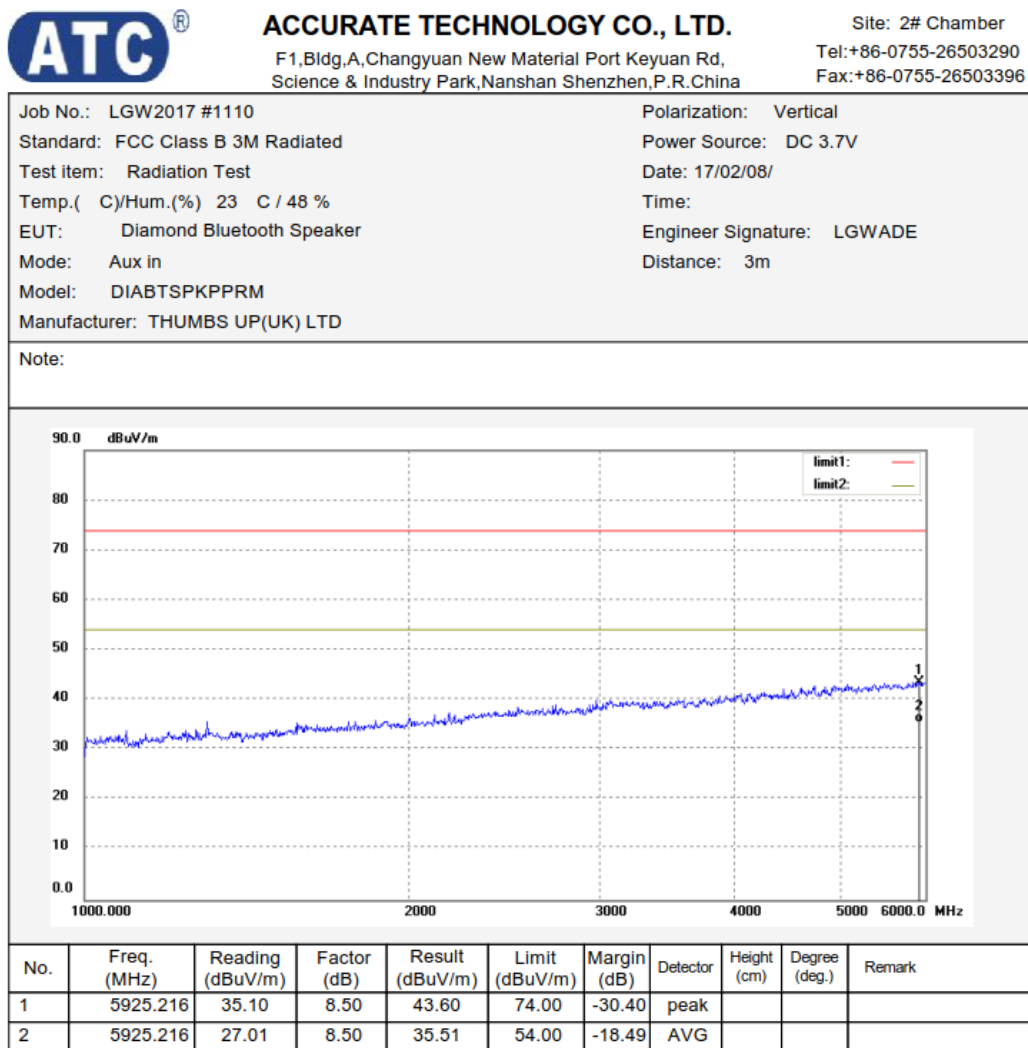


**Figure 45: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal**

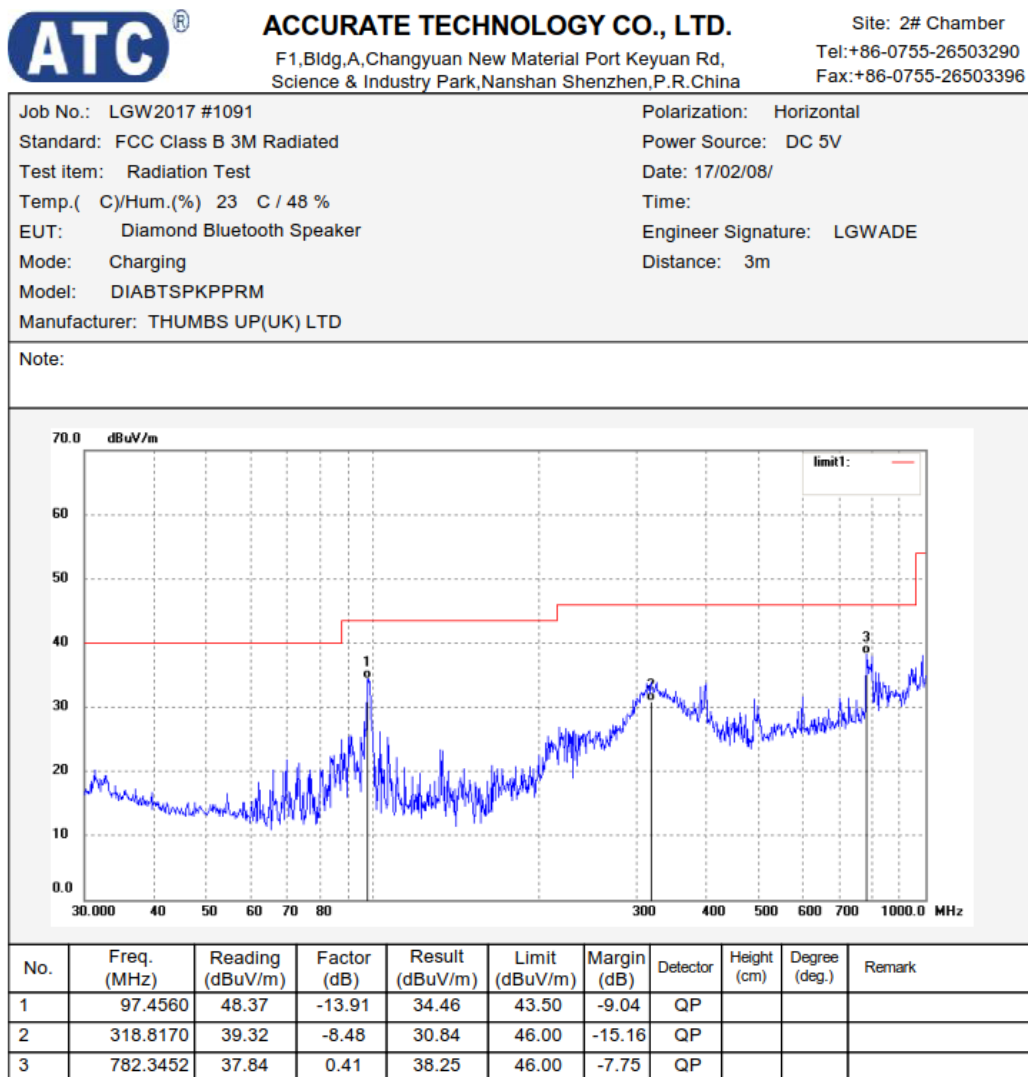


**Figure 46: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical**

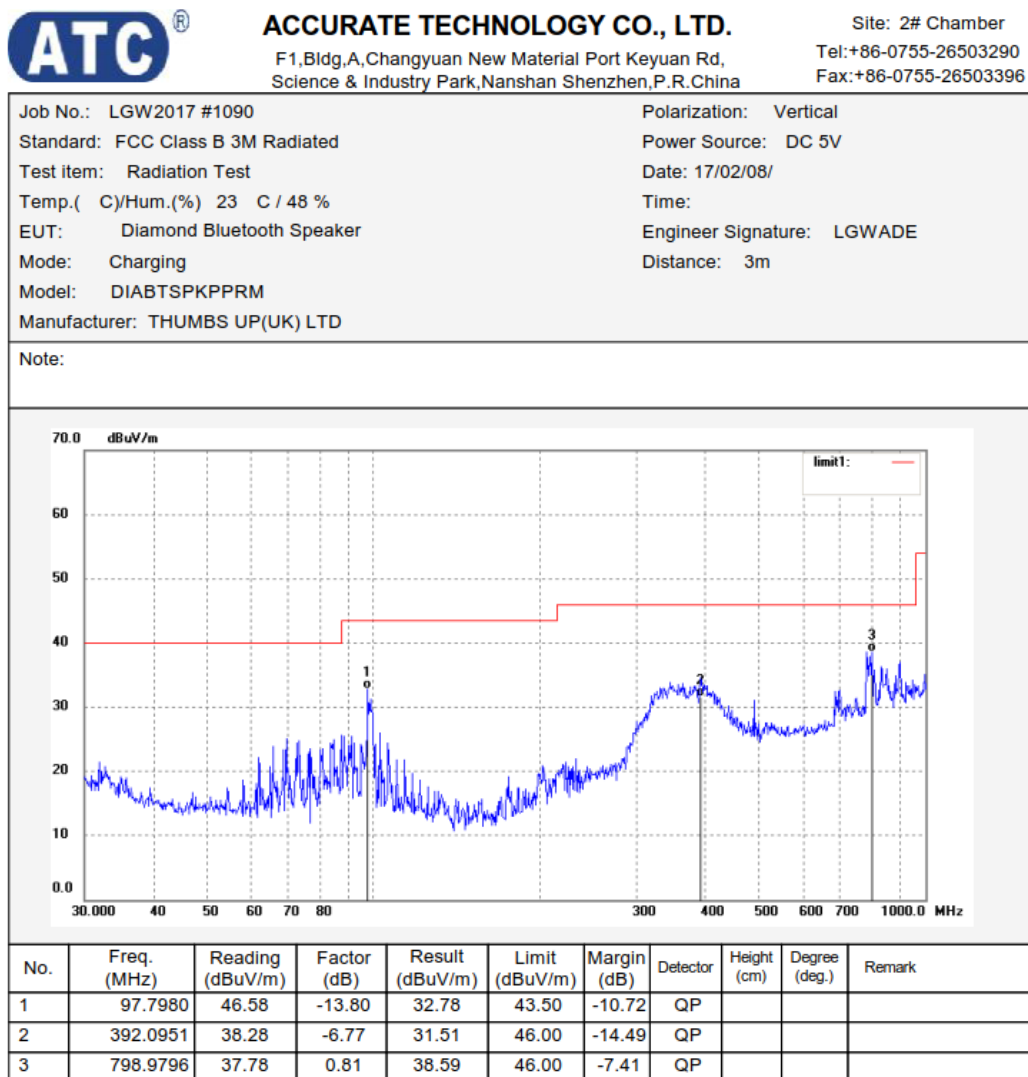


**Figure 47: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal**

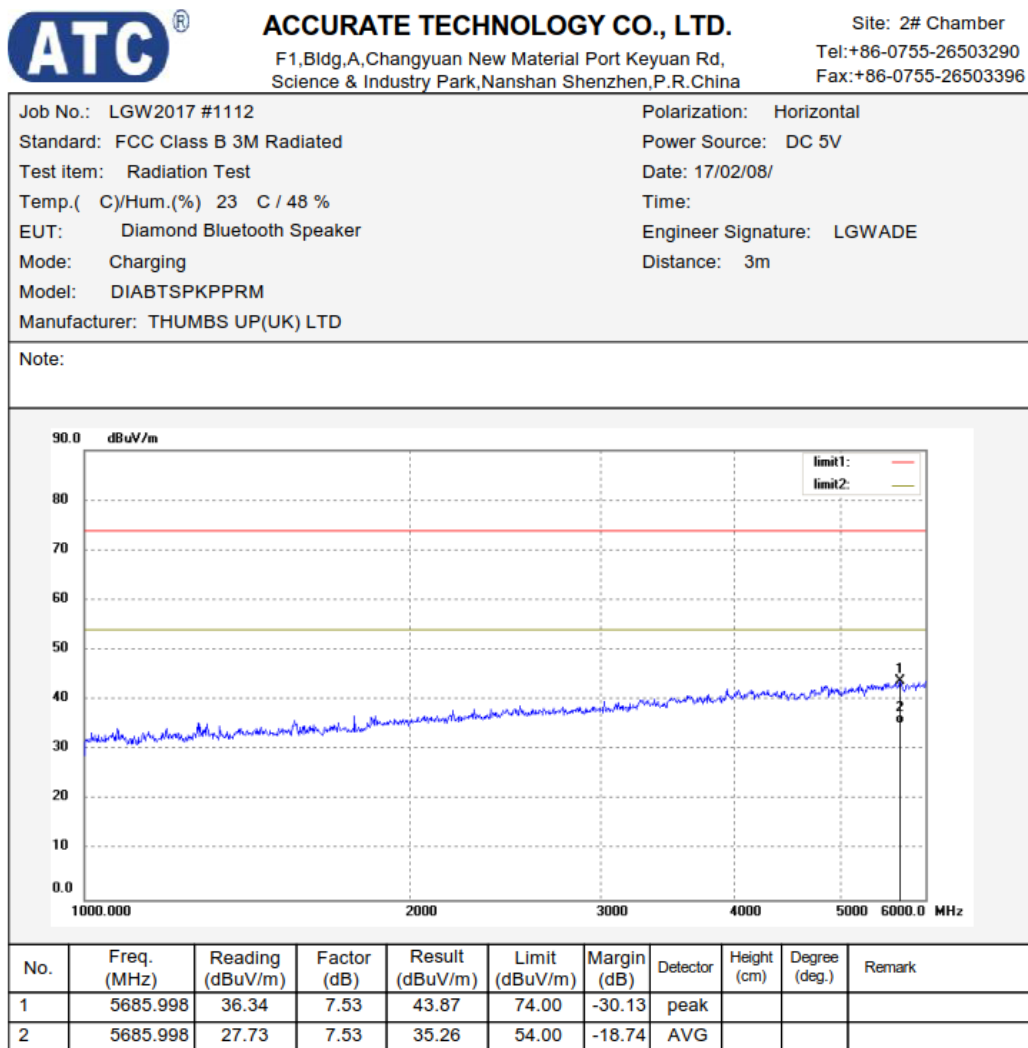


**Figure 48: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical**

