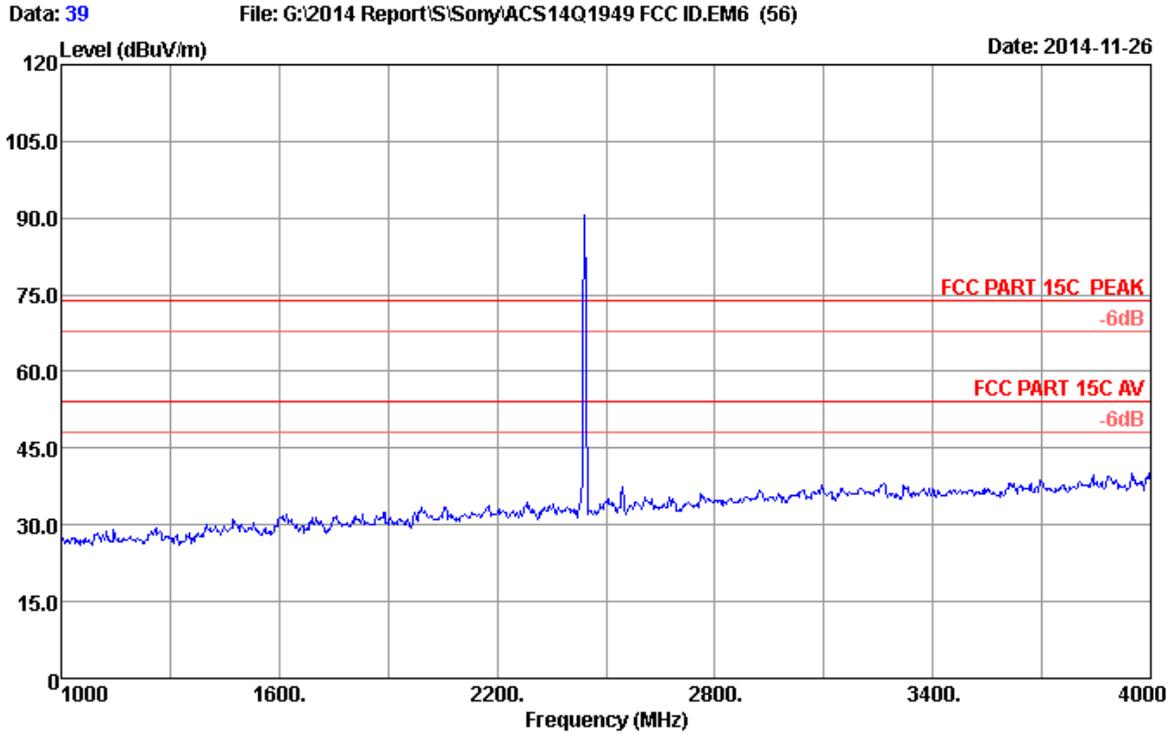


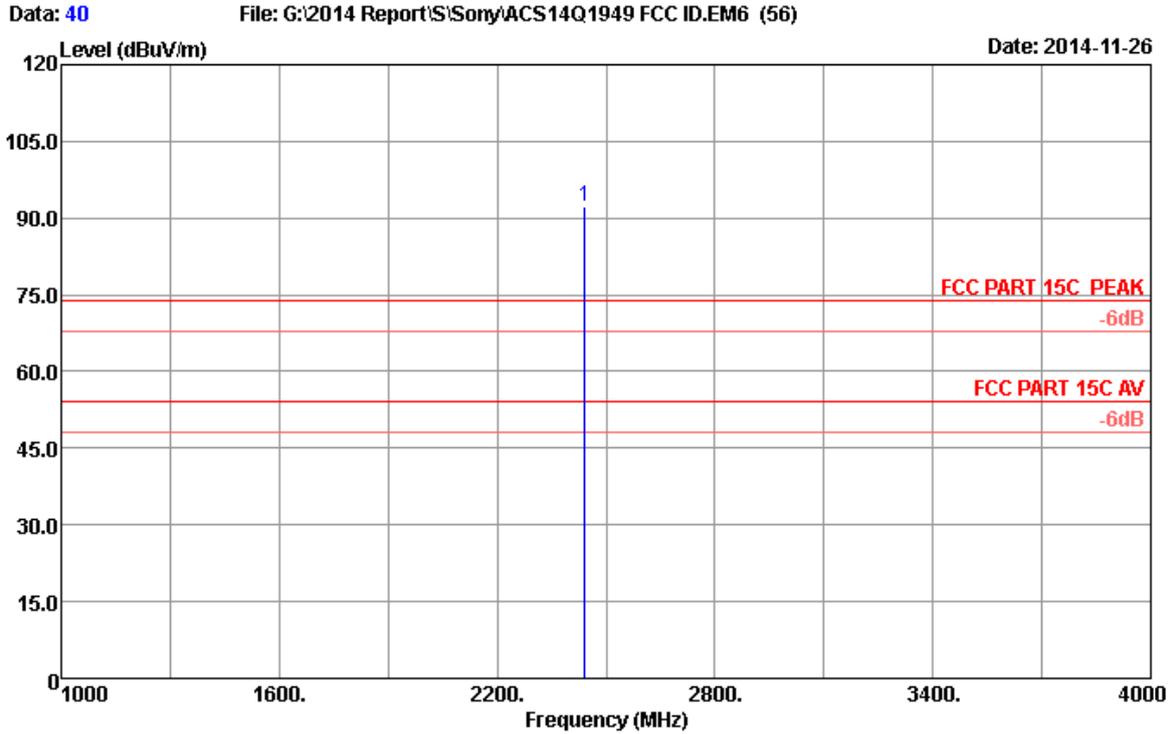
Site no :3m Chamber Data No :36
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2402MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 4804.000 | 32.85 | 8.56 | 35.70 | 45.61 | 51.32 | 74.00 | 22.68 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



| | | | |
|--------------|----------------------------|------------|-------------|
| Site no | :3m Chamber | Data No | :39 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase | :HORIZONTAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2441MHz) | | |
| | ZS-RS60BT | | |

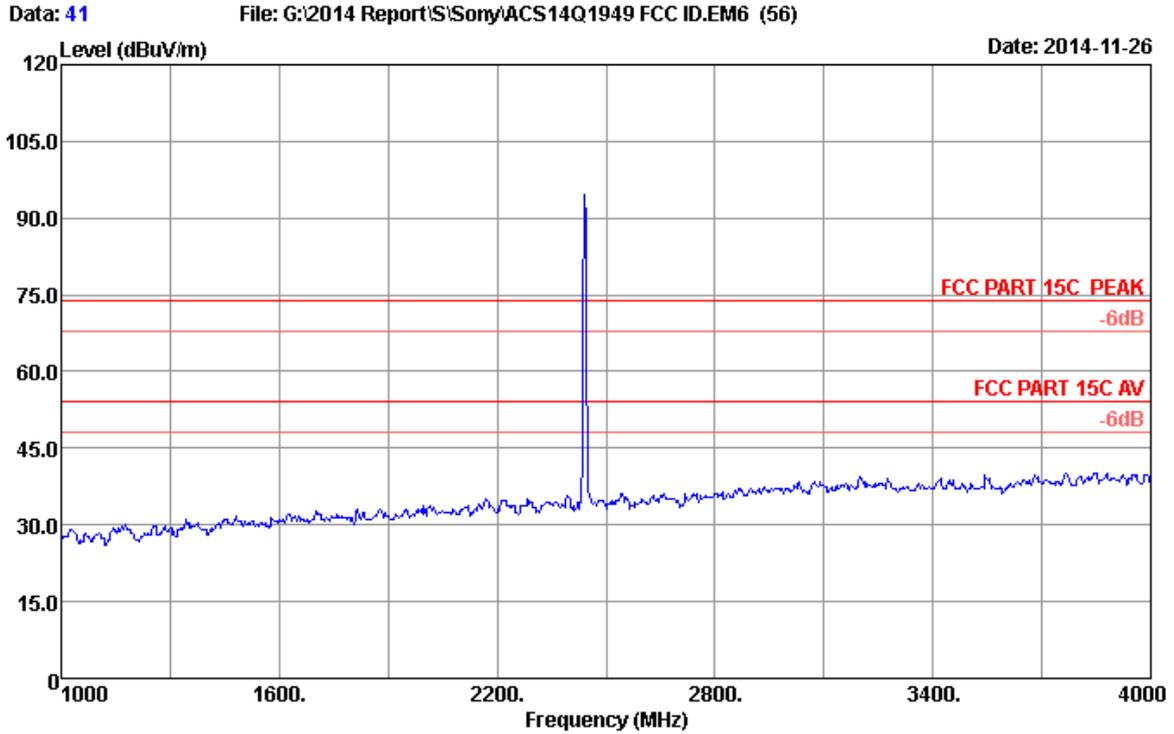


```

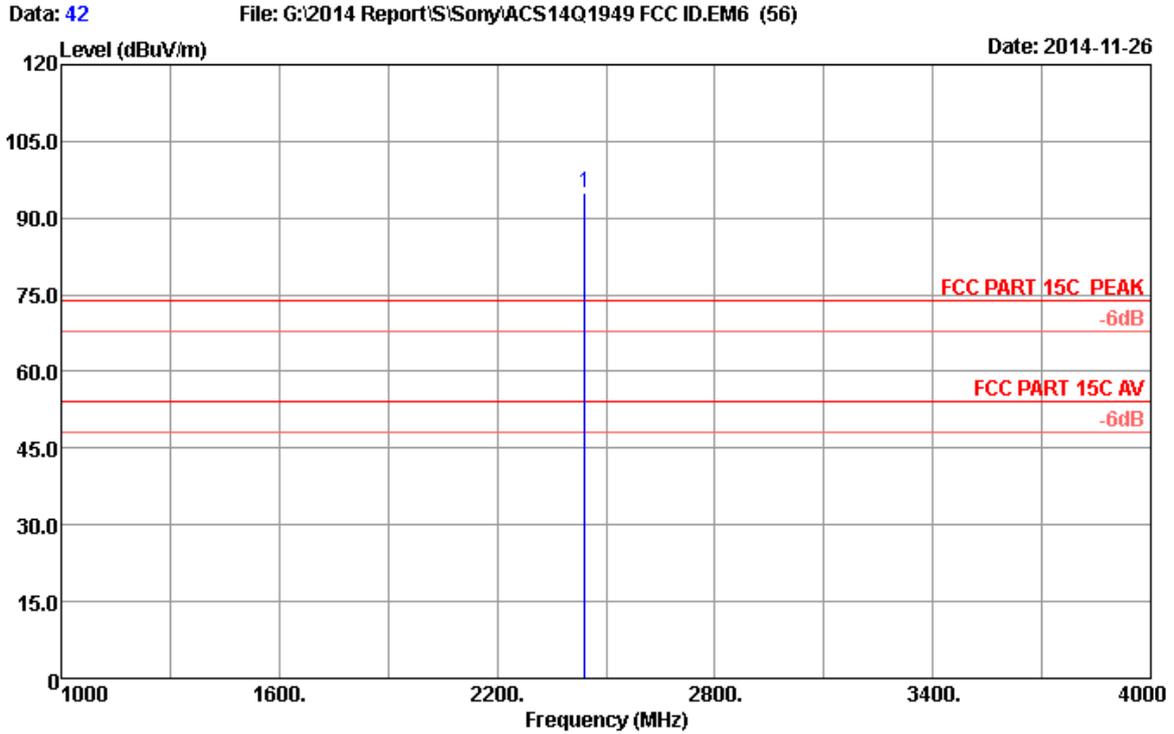
Site no      :3m Chamber                      Data No   :40
Dis./Lisn   :3m 2014 3115 (4580)            LISN phase:HORIZONTAL
Limit       :FCC PART 15C PEAK
Env./Ins.   :23*C/54%                       Engineer  :Kobe_Huang
EUT         :Personal Audio System
Power Rating :AC 120V/60Hz
Test Mode   :Tx Mode (8-DPSK 2441MHz )
              ZS-RS60BT
    
```

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2441.000 | 28.27 | 5.86 | 35.70 | 93.71 | 92.14 | 74.00 | -18.14 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



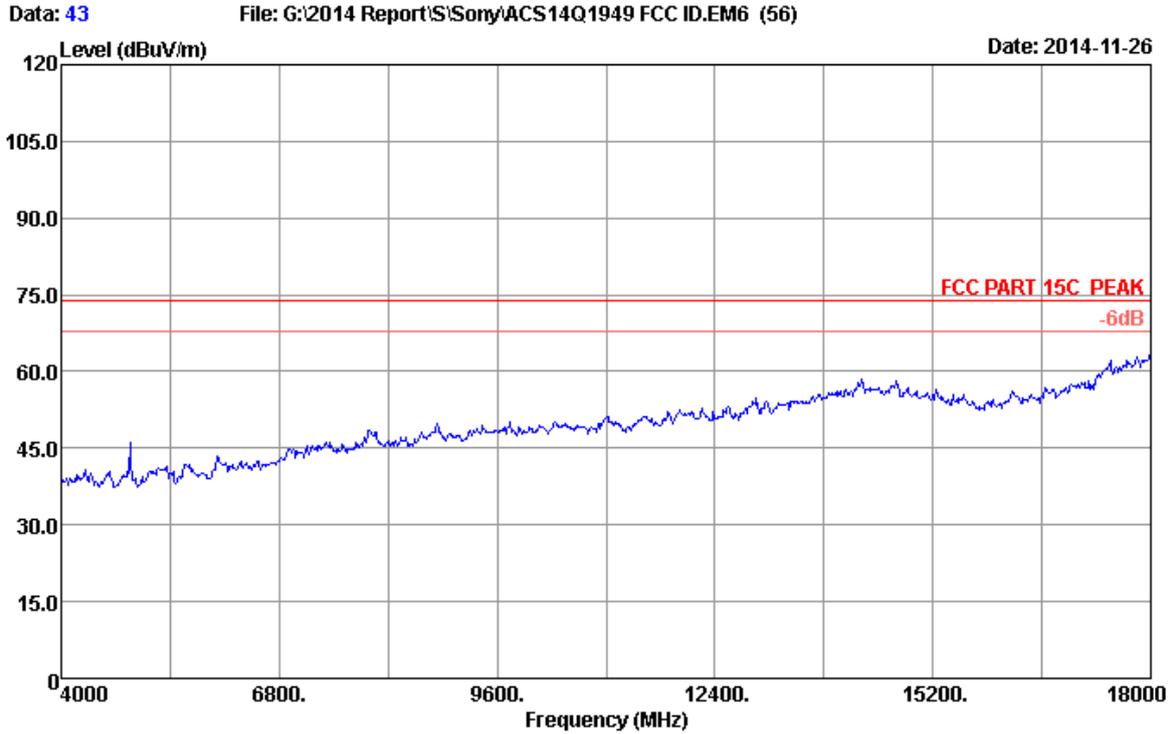
| | | | |
|--------------|----------------------------|------------|-------------|
| Site no | :3m Chamber | Data No | :41 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase | :VERTICAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2441MHz) | | |
| | ZS-RS60BT | | |



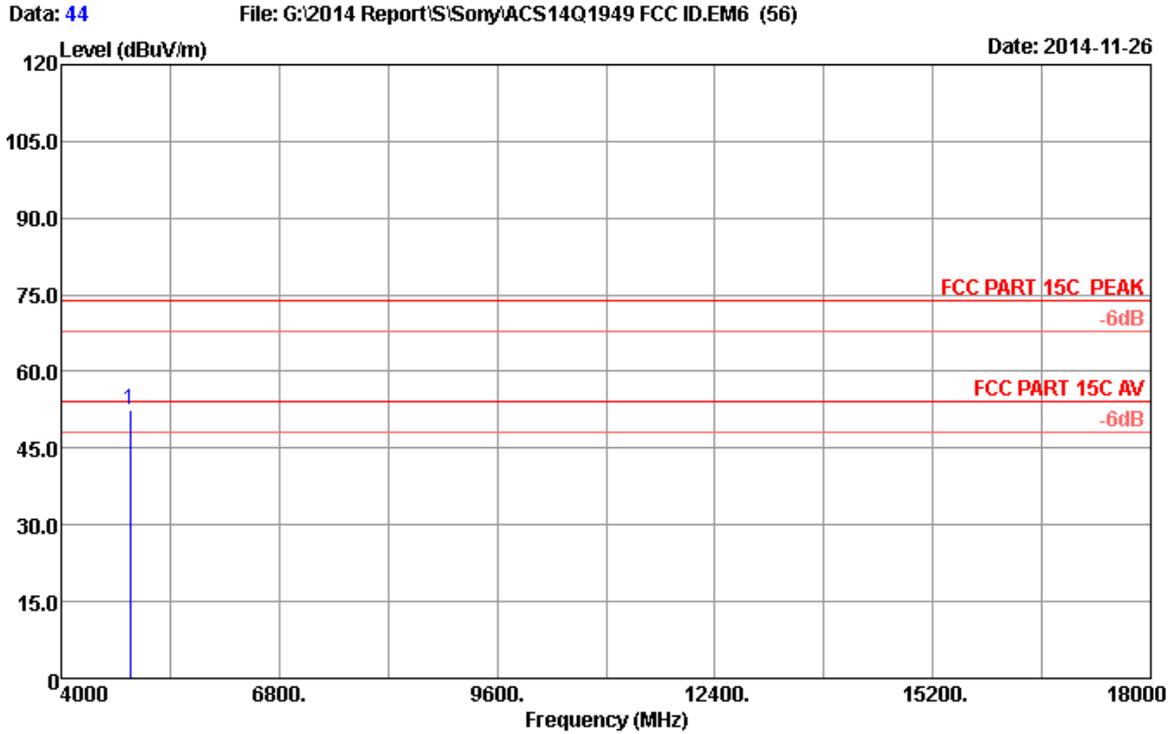
Site no :3m Chamber Data No :42
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2441MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2441.000 | 28.27 | 5.86 | 35.70 | 96.56 | 94.99 | 74.00 | -20.99 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



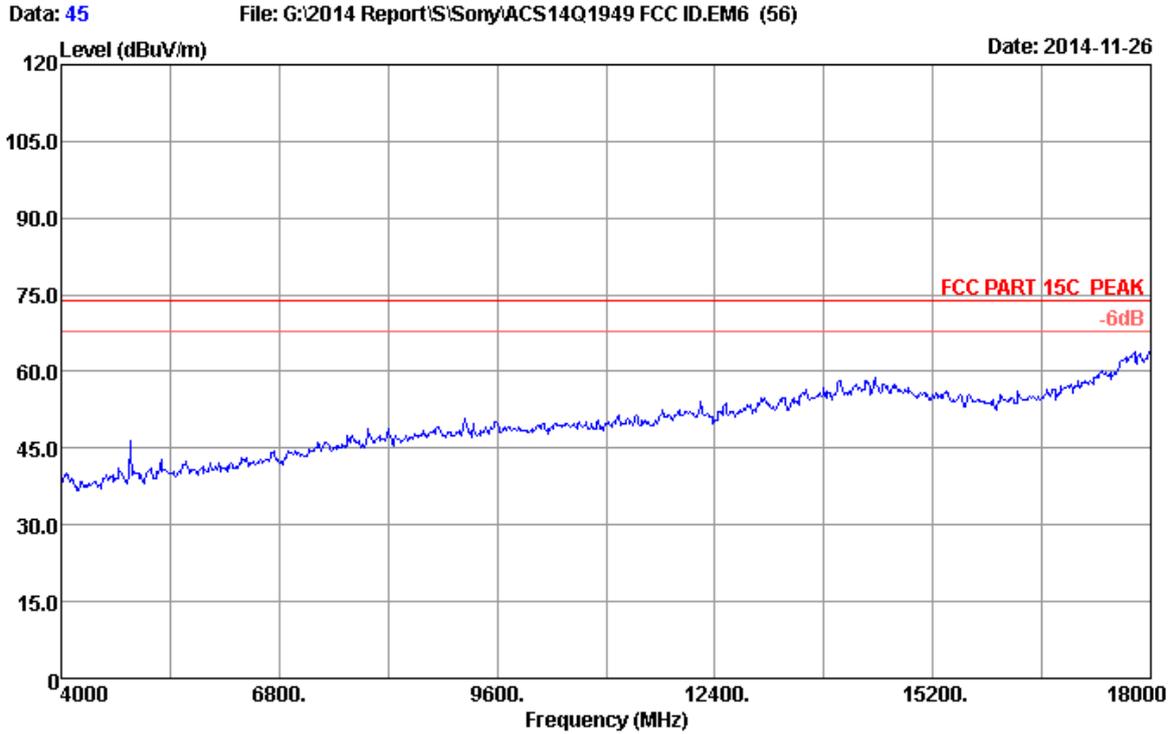
| | | | |
|--------------|----------------------------|-------------|-------------|
| Site no | :3m Chamber | Data No | :43 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase: | HORIZONTAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2441MHz) | | |
| | ZS-RS60BT | | |



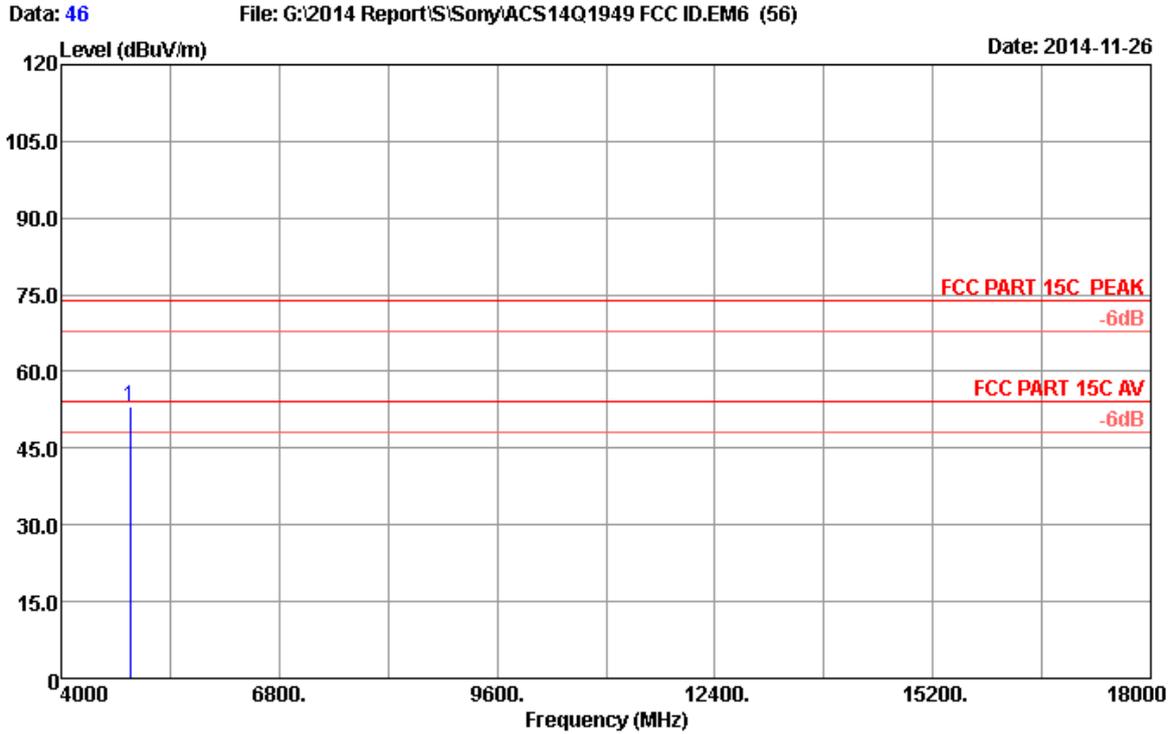
Site no :3m Chamber Data No :44
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:HORIZONTAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2441MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 4882.000 | 32.99 | 8.64 | 35.70 | 46.42 | 52.35 | 74.00 | 21.65 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



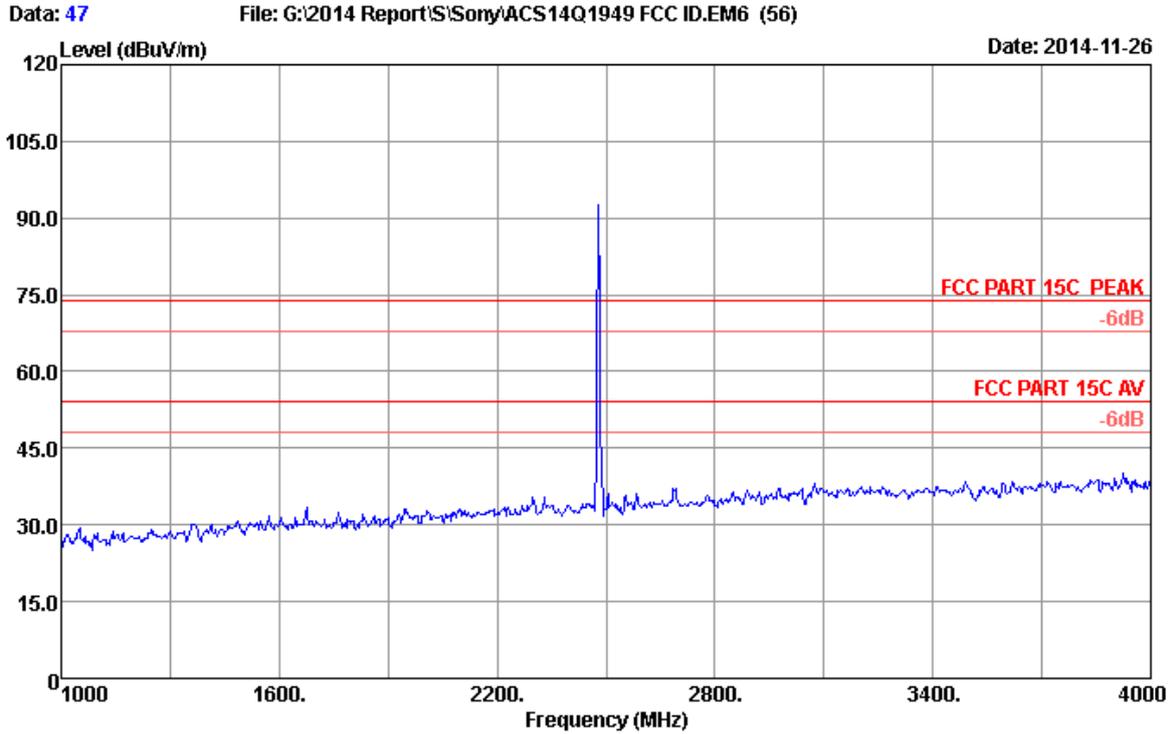
| | | | |
|--------------|----------------------------|------------|-------------|
| Site no | :3m Chamber | Data No | :45 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase | :VERTICAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2441MHz) | | |
| | ZS-RS60BT | | |



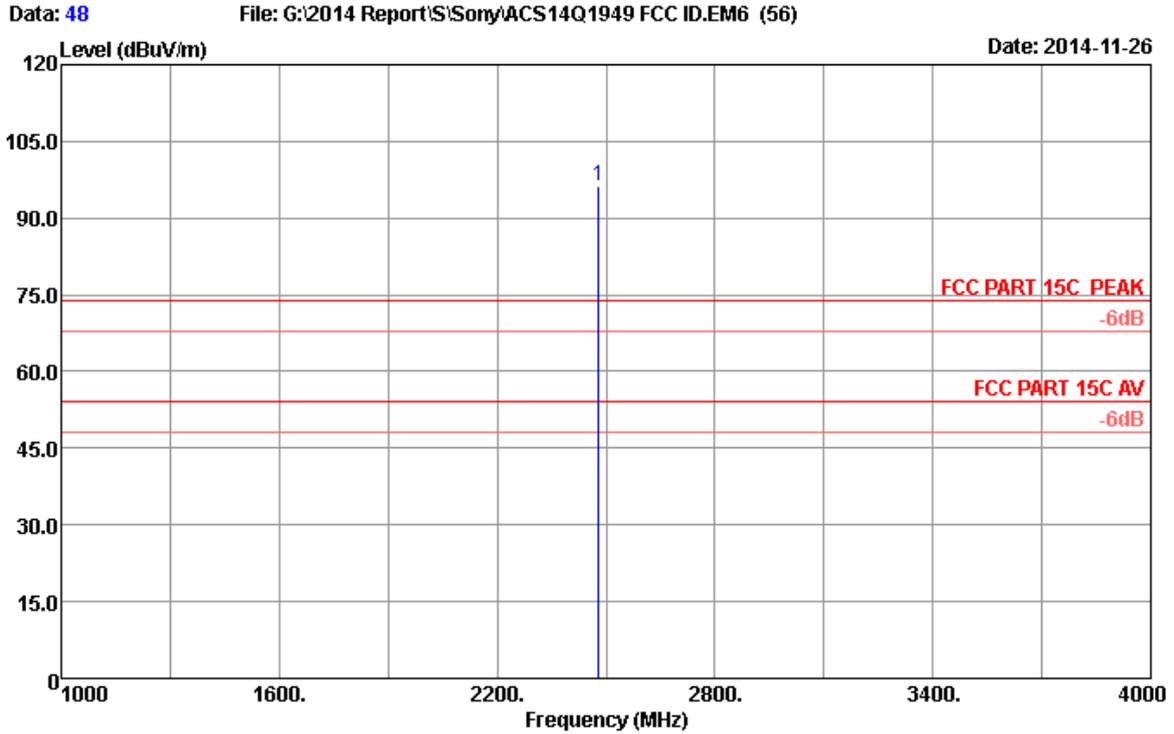
Site no :3m Chamber Data No :46
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2441MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 4882.000 | 32.99 | 8.64 | 35.70 | 47.32 | 53.25 | 74.00 | 20.75 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



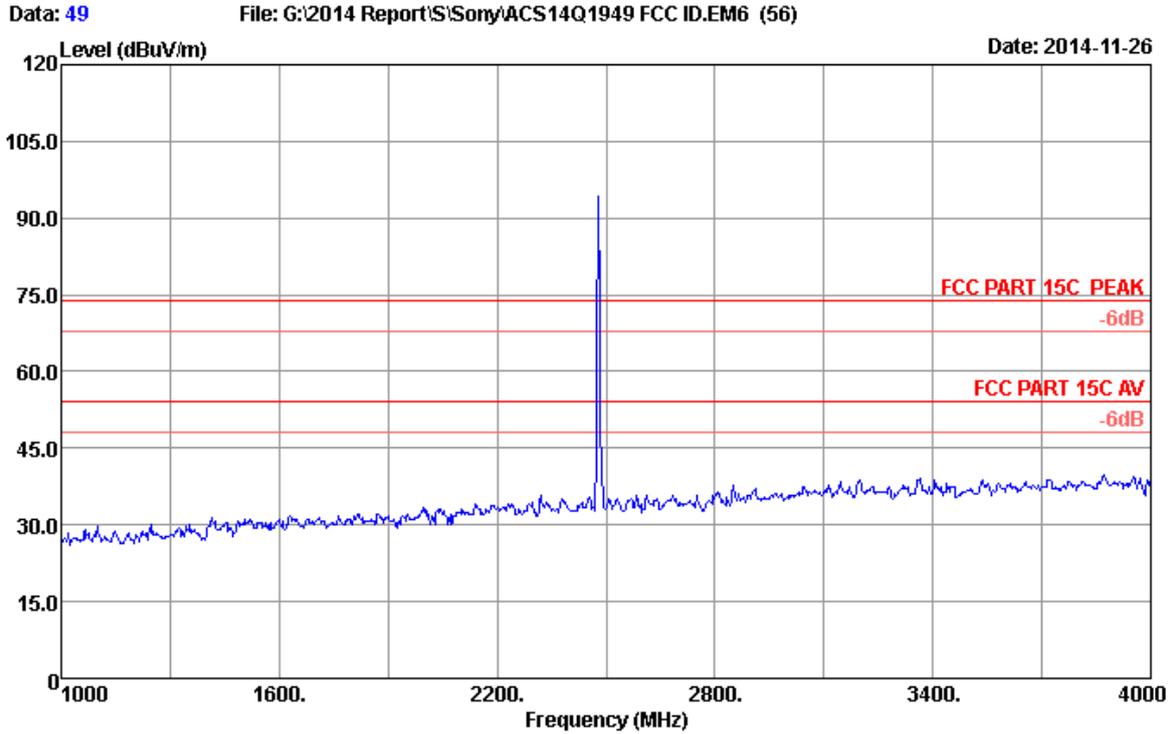
| | | | |
|--------------|----------------------------|-------------|-------------|
| Site no | :3m Chamber | Data No | :47 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase: | HORIZONTAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2480MHz) | | |
| | ZS-RS60BT | | |



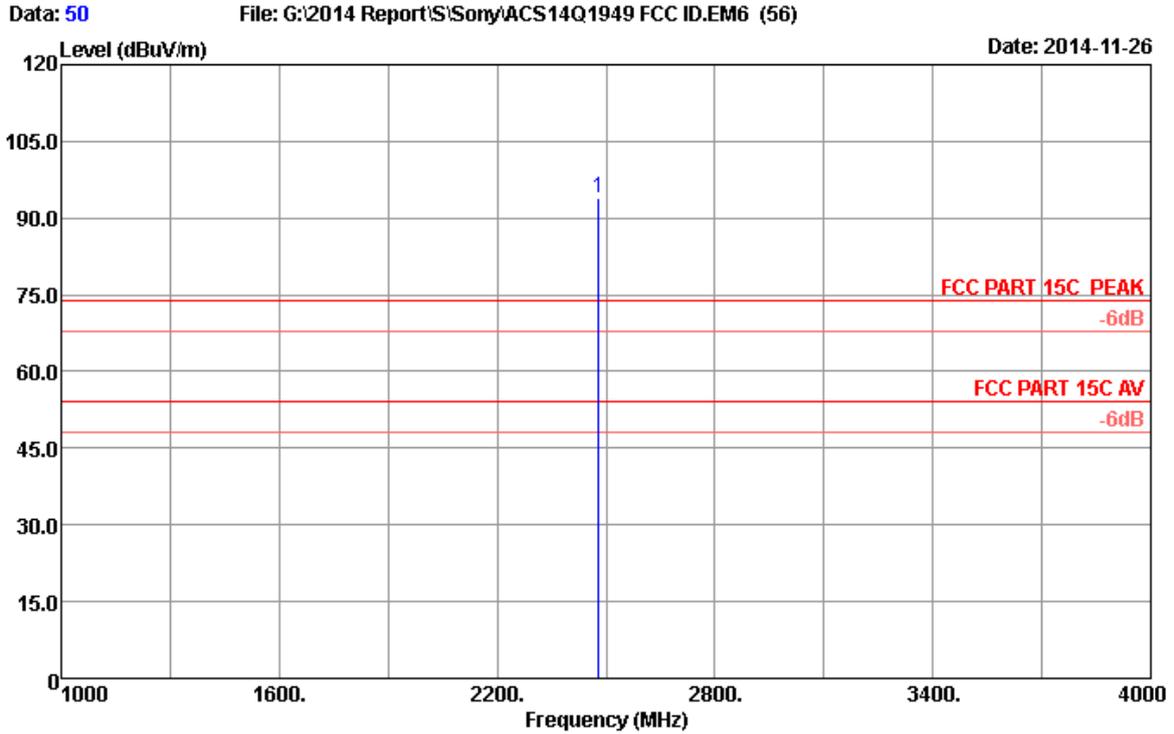
| | | | |
|--------------|----------------------------|-------------|-------------|
| Site no | :3m Chamber | Data No | :48 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase: | HORIZONTAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2480MHz) | | |
| | ZS-RS60BT | | |

| No | Freq (MHz) | ANT | Cable | AMP | Emission | | | | Remark |
|----|------------|---------------|-----------|-------------|----------------|----------------|-----------------|-------------|--------|
| | | Factor (dB/m) | Loss (dB) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | |
| 1 | 2480.000 | 28.36 | 5.91 | 35.70 | 97.65 | 96.22 | 74.00 | -22.22 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



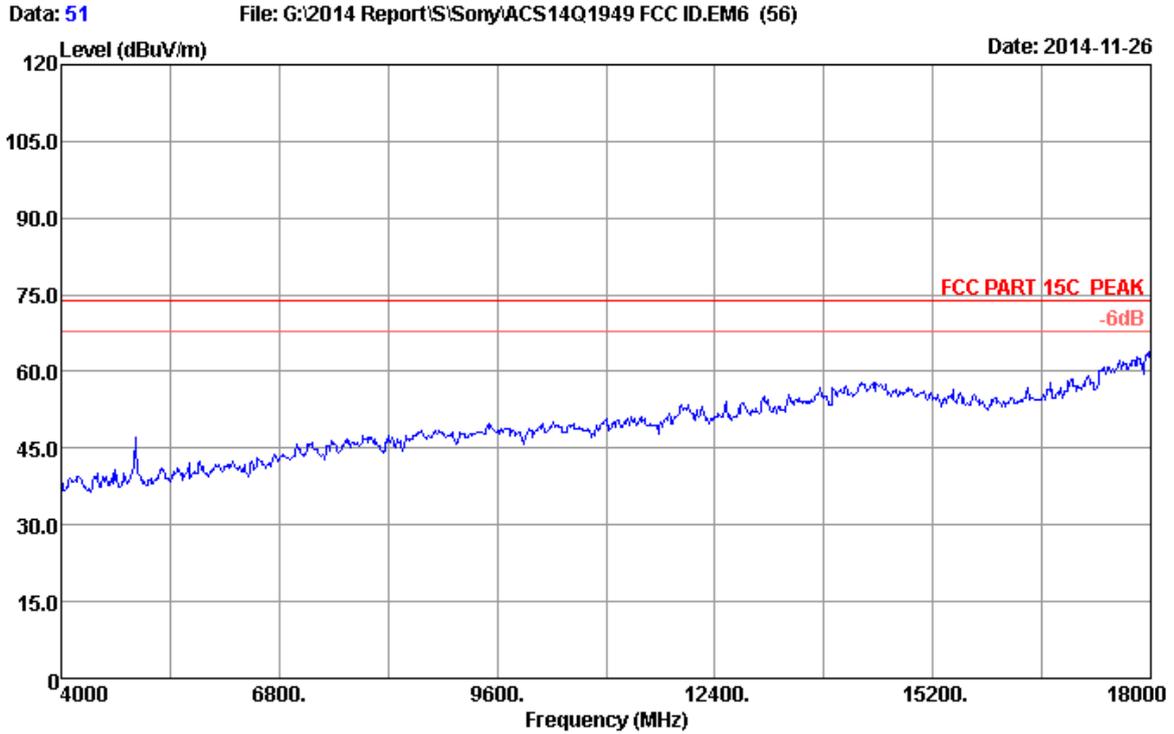
| | | | |
|--------------|----------------------------|------------|-------------|
| Site no | :3m Chamber | Data No | :49 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase | :VERTICAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2480MHz) | | |
| | ZS-RS60BT | | |



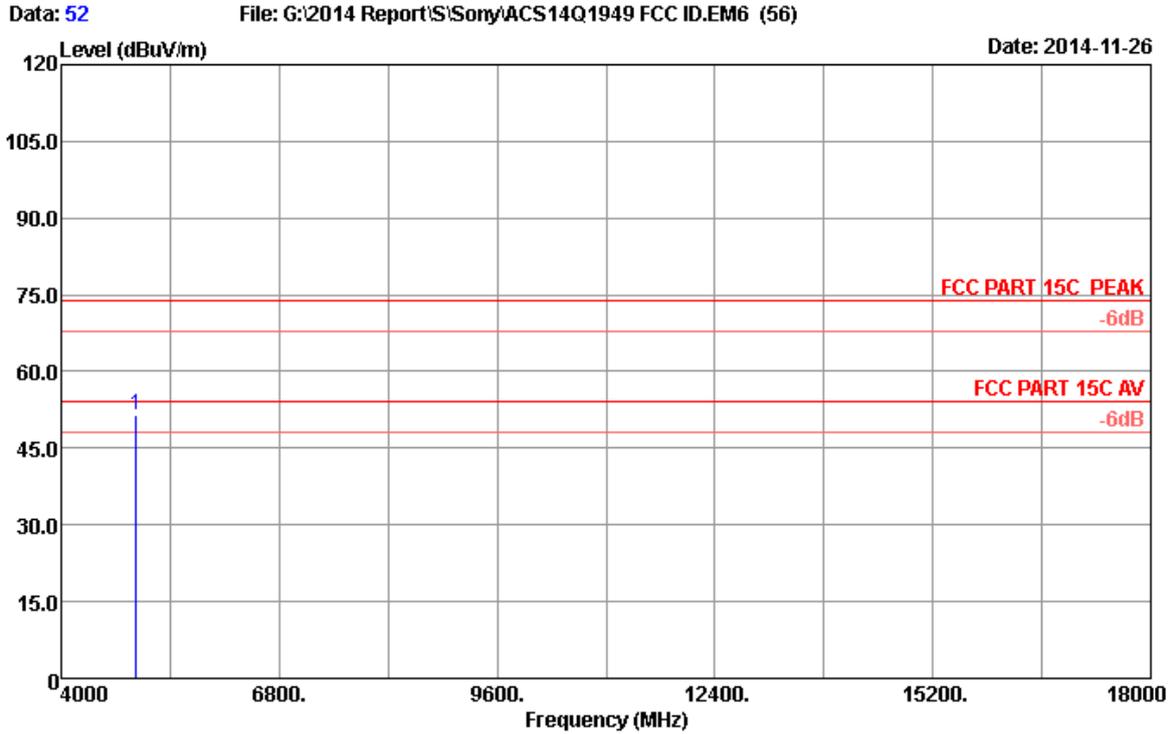
| | | | |
|--------------|----------------------------|-------------|-------------|
| Site no | :3m Chamber | Data No | :50 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase: | VERTICAL |
| Limit | :FCC PART 15C PEAK | Engineer | :Kobe_Huang |
| Env./Ins. | :23*C/54% | | |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2480MHz) | | |
| | ZS-RS60BT | | |

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2480.000 | 28.36 | 5.91 | 35.70 | 95.52 | 94.09 | 74.00 | -20.09 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



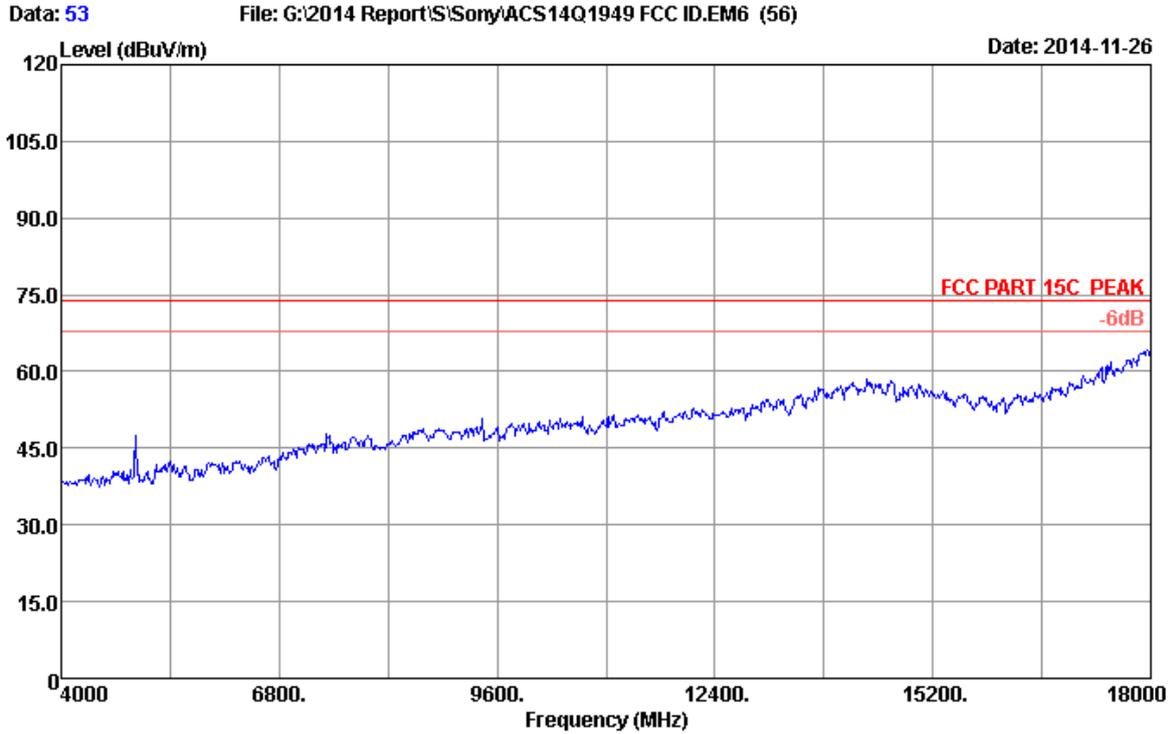
| | | | |
|--------------|----------------------------|------------|-------------|
| Site no | :3m Chamber | Data No | :51 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase | :VERTICAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2480MHz) | | |
| | ZS-RS60BT | | |



Site no :3m Chamber Data No :52
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2480MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 4960.000 | 33.13 | 8.72 | 35.70 | 45.37 | 51.52 | 74.00 | 22.48 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



| | | | |
|--------------|----------------------------|------------|-------------|
| Site no | :3m Chamber | Data No | :53 |
| Dis./Lisn | :3m 2014 3115 (4580) | LISN phase | :HORIZONTAL |
| Limit | :FCC PART 15C PEAK | | |
| Env./Ins. | :23*C/54% | Engineer | :Kobe_Huang |
| EUT | :Personal Audio System | | |
| Power Rating | :AC 120V/60Hz | | |
| Test Mode | :Tx Mode (8-DPSK 2480MHz) | | |
| | ZS-RS60BT | | |



Site no :3m Chamber Data No :54
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:HORIZONTAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2480MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 4960.000 | 33.13 | 8.72 | 35.70 | 46.53 | 52.68 | 74.00 | 21.32 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-------------|------------|------------|---------------|
| 1. | Spectrum | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1 Year |
| 2. | Attenuator (20dB) | Agilent | 8491B | MY39262165 | Apr. 28,14 | 1 Year |
| 3. | RF Cable | Hubersuhner | SUCOFLEX102 | 28620/2 | Apr. 28,14 | 1 Year |

5.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

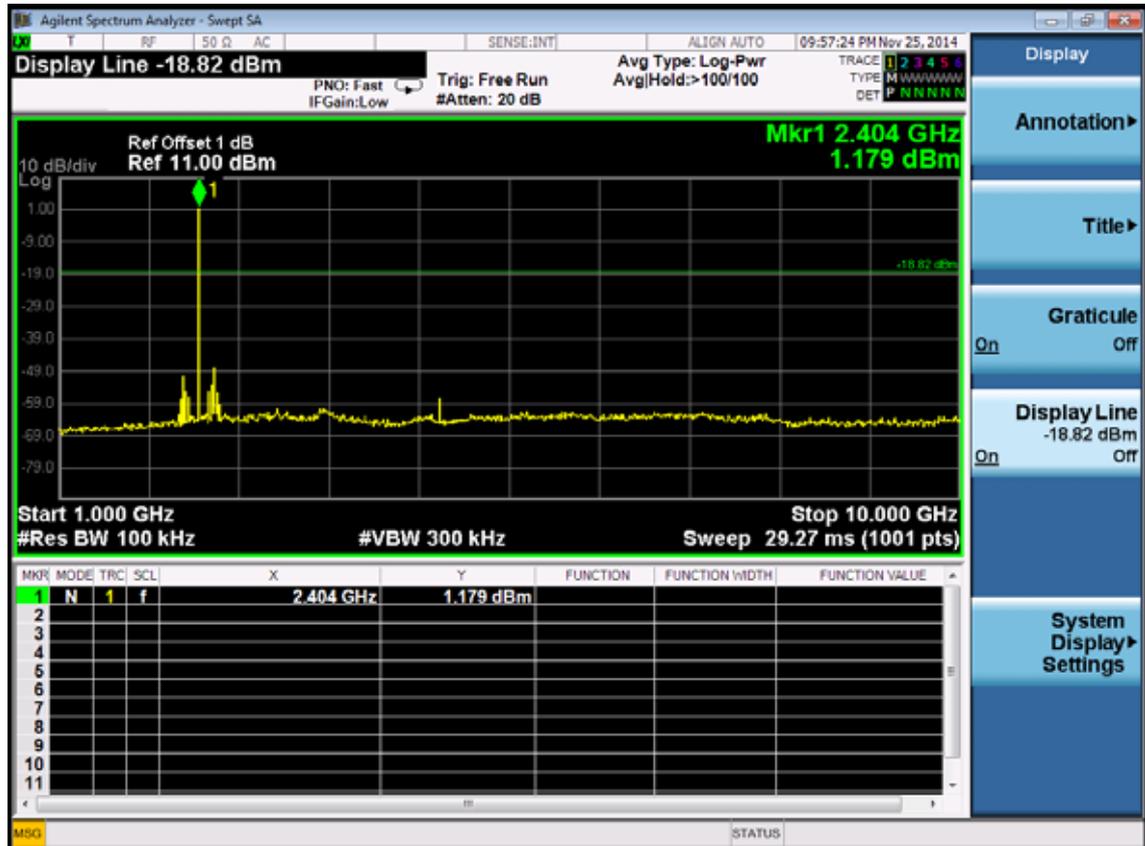
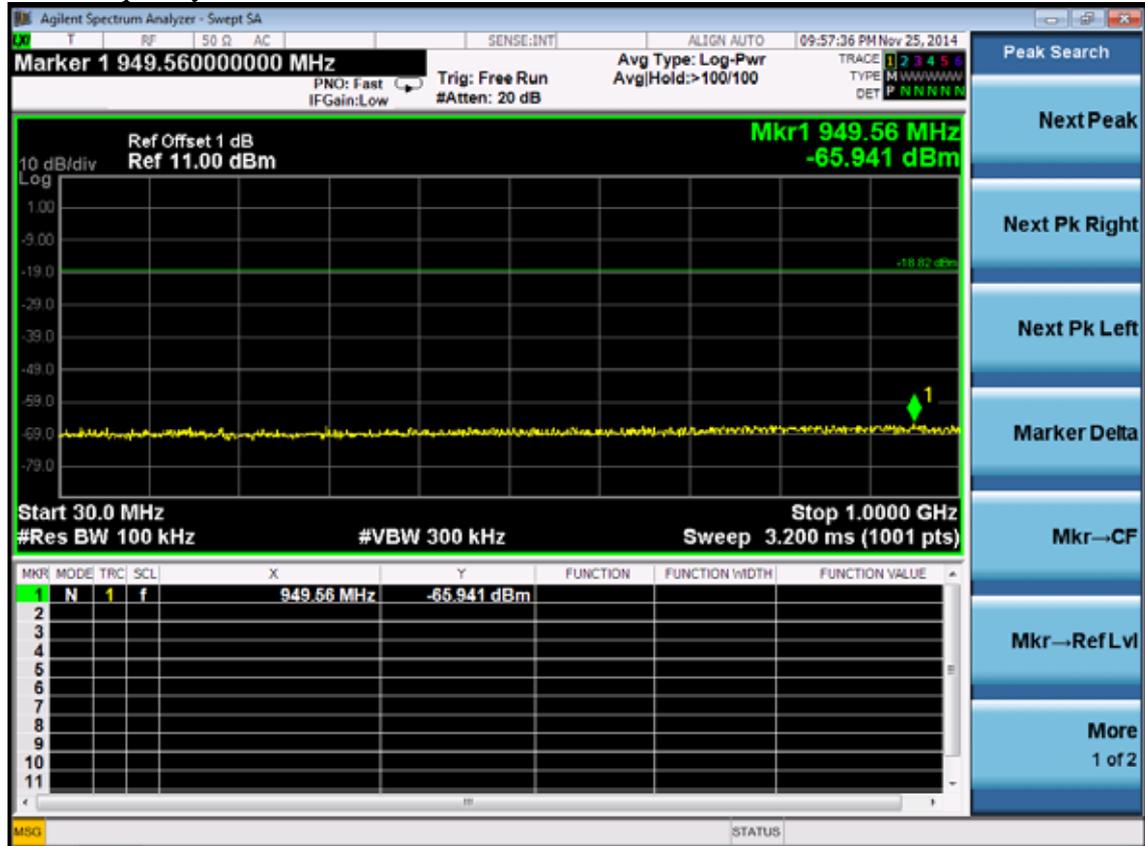
5.3. Test Procedure

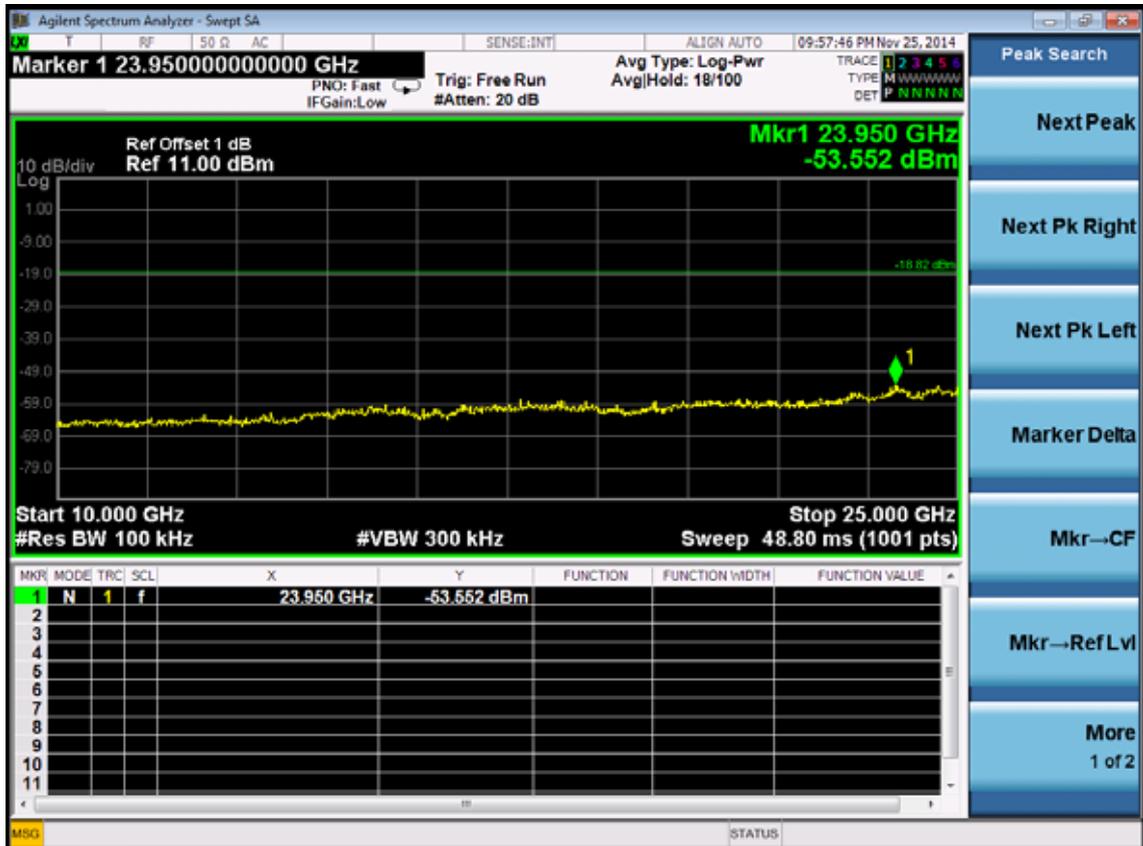
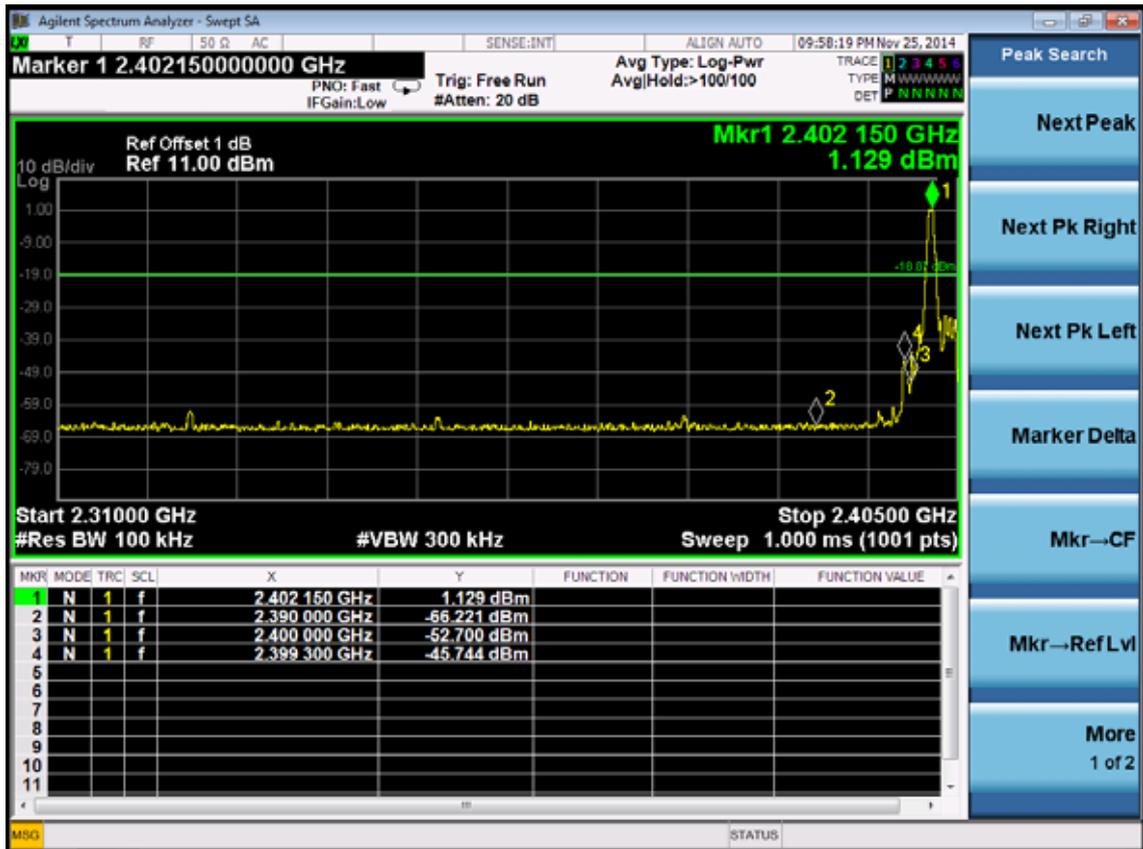
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

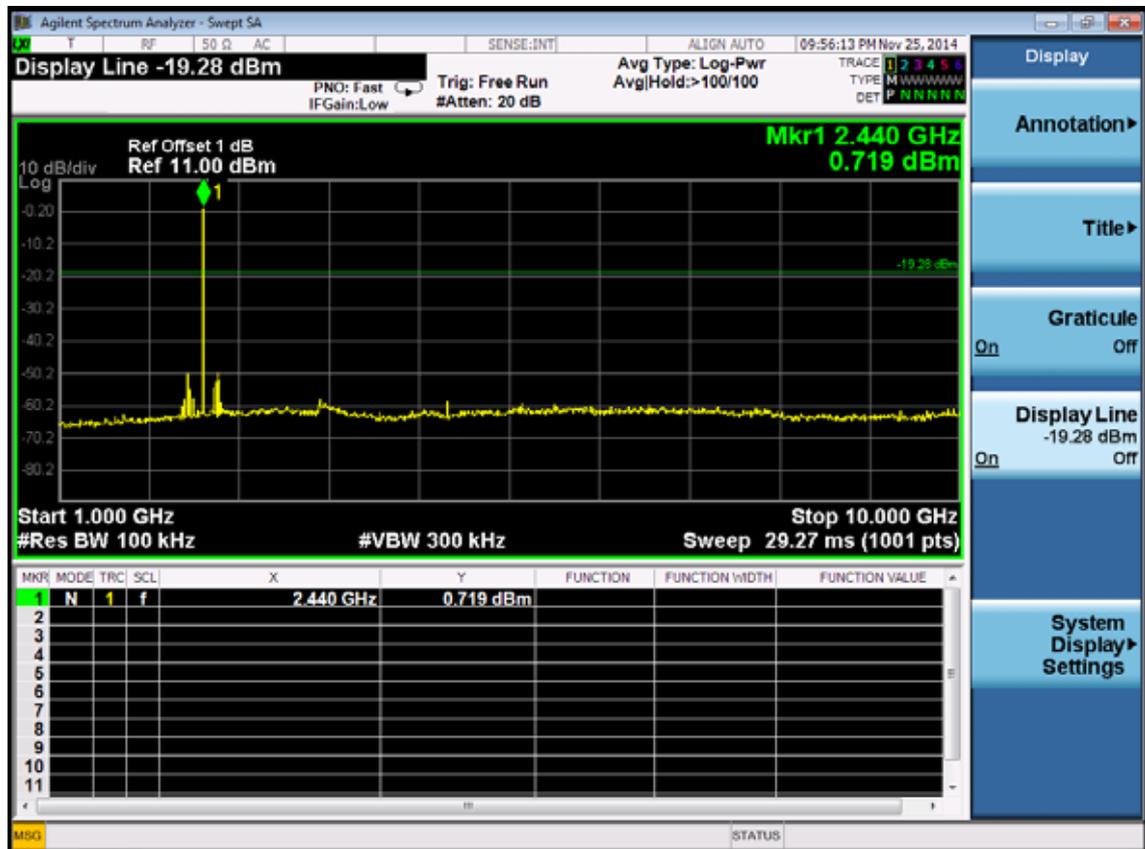
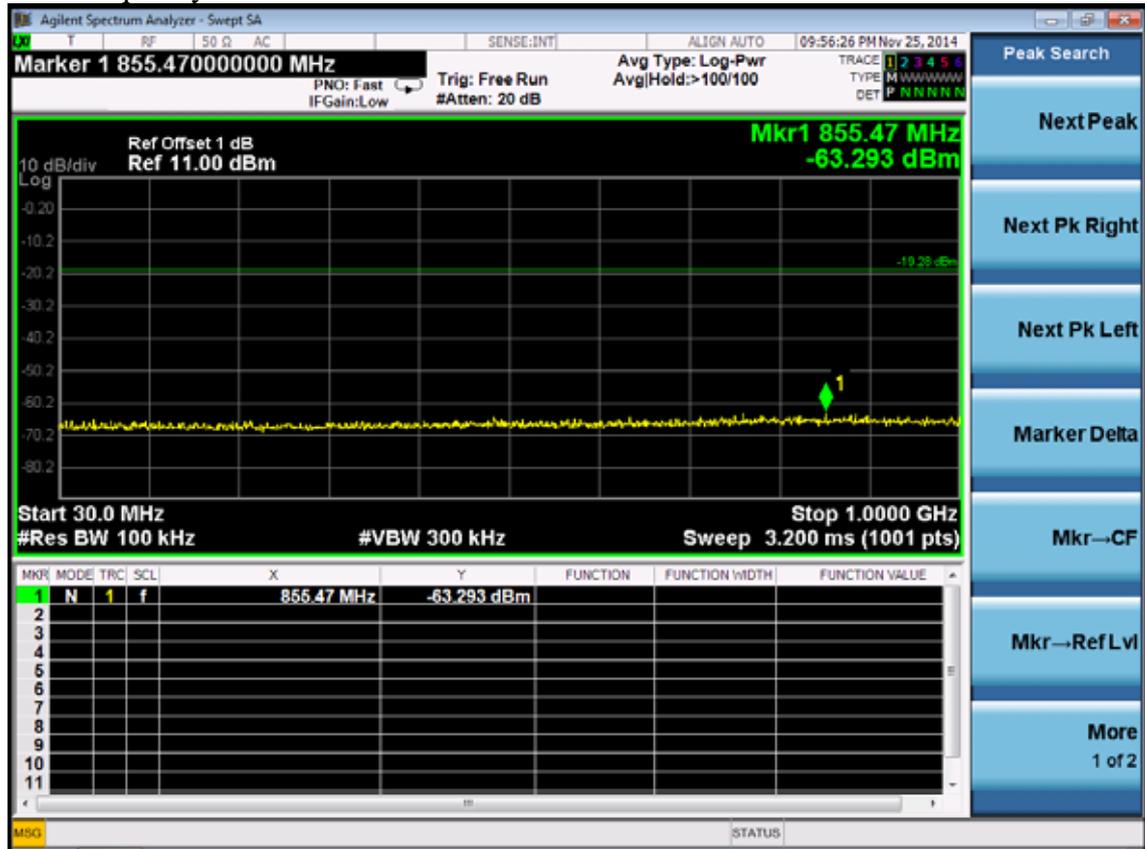
PASS (The testing data was attached in the next pages.)

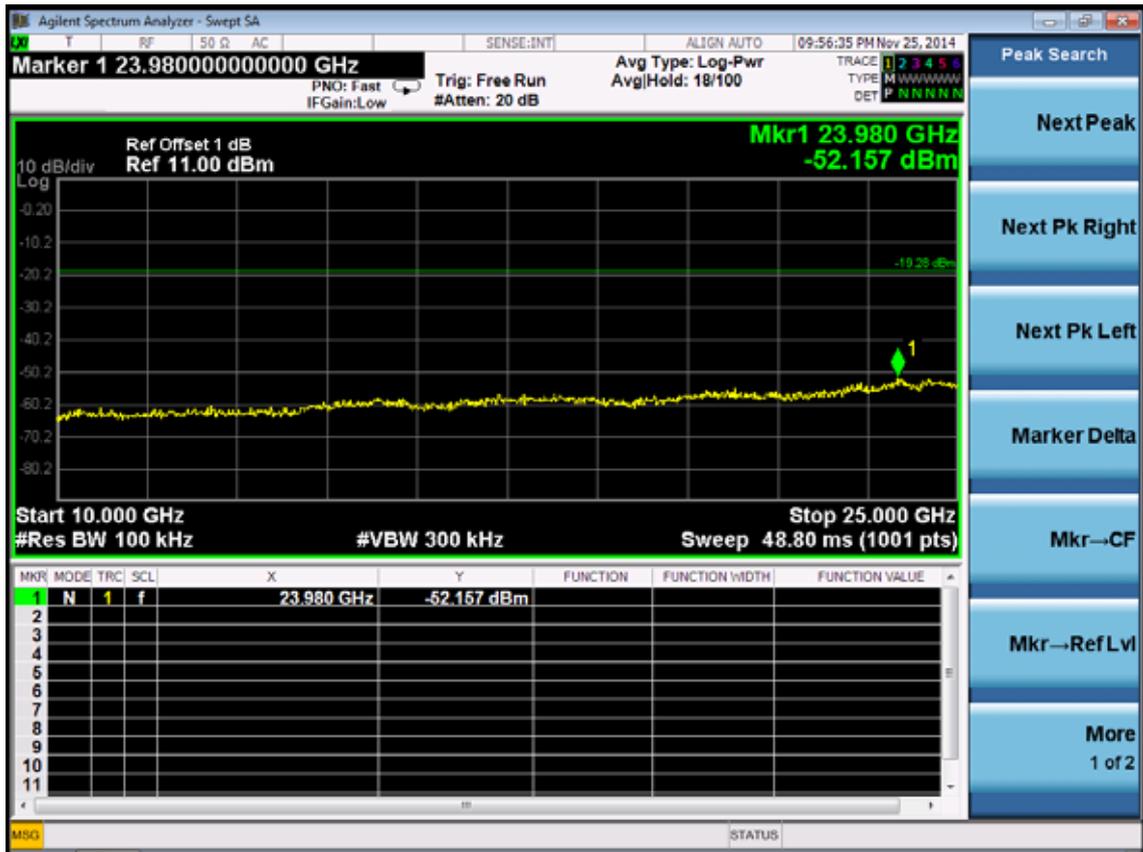
**Hopping off
GFSK**
Test Frequency: 2402MHz



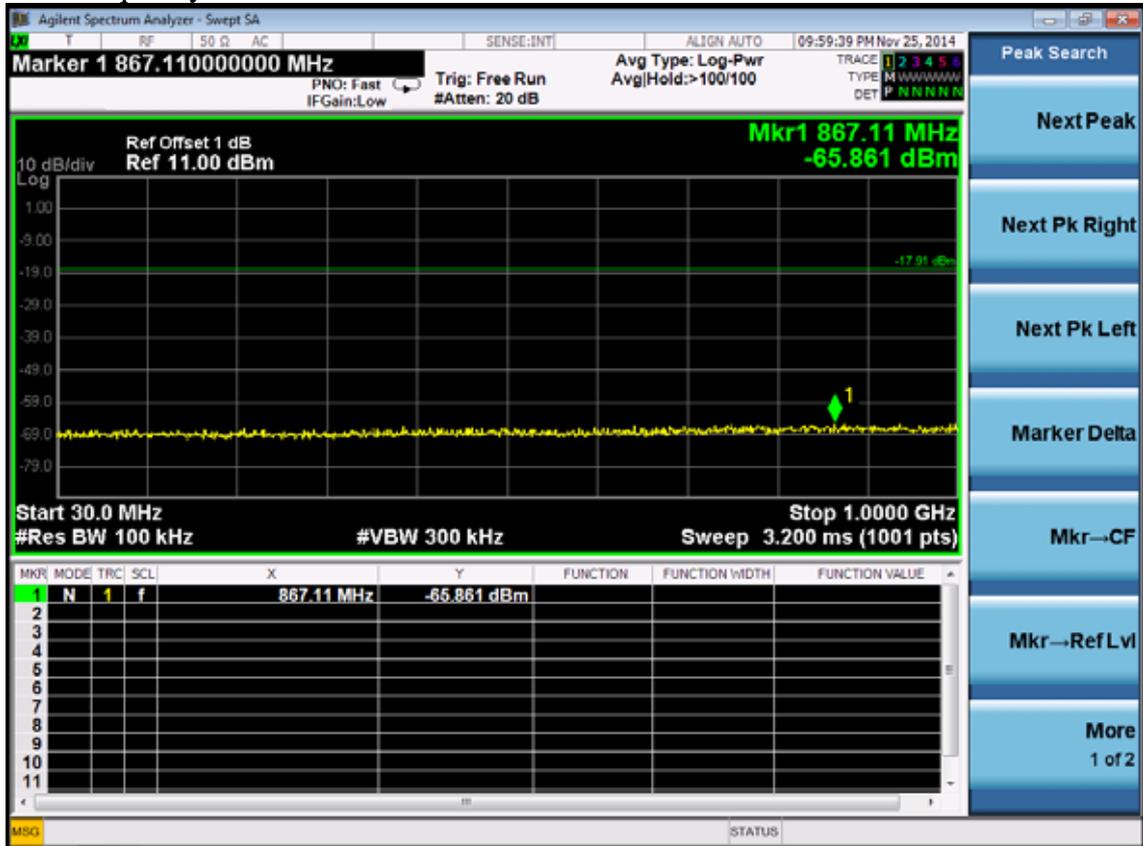


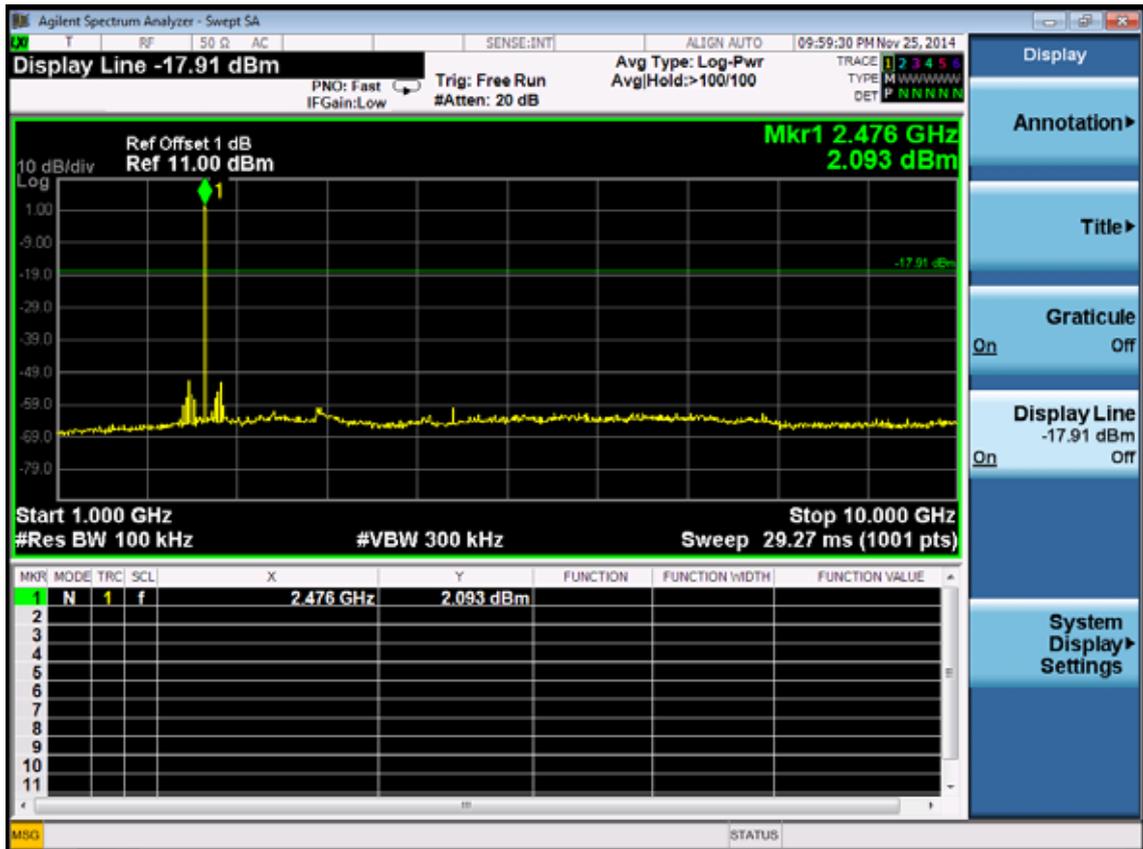
Test Frequency: 2441MHz

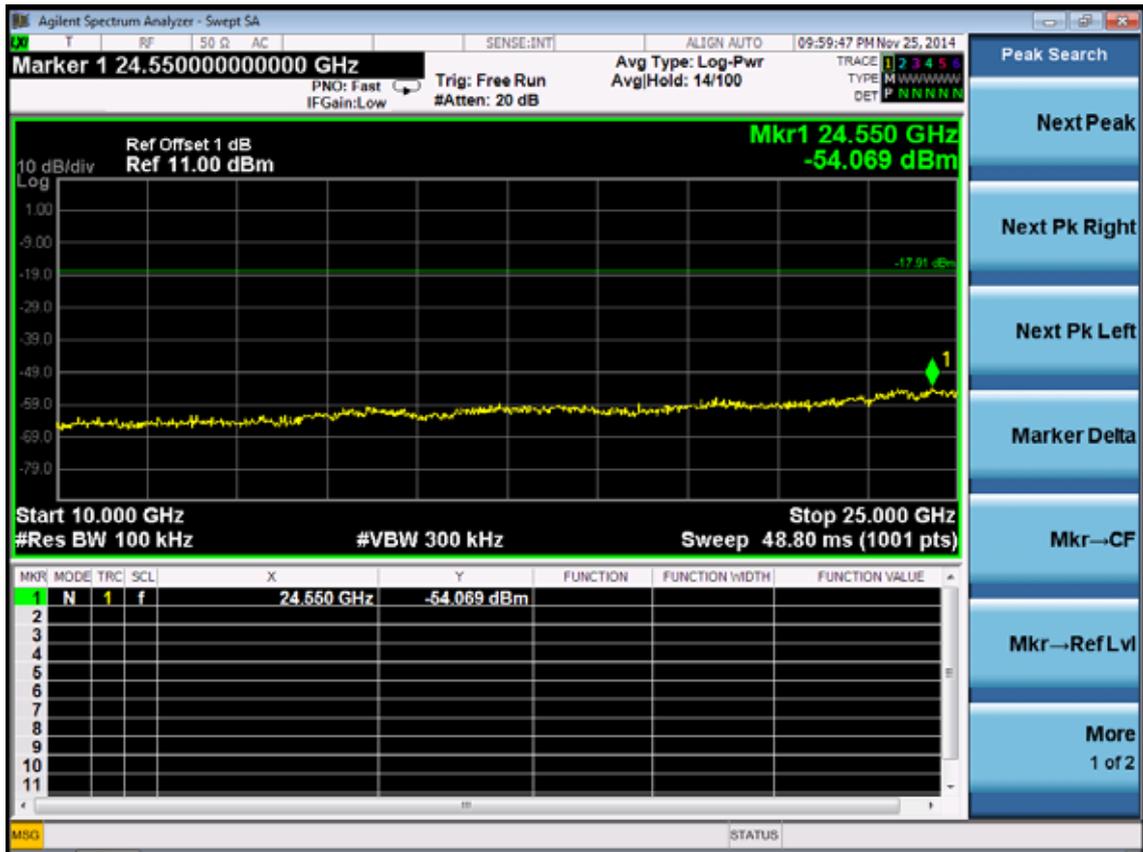




Test Frequency: 2480MHz

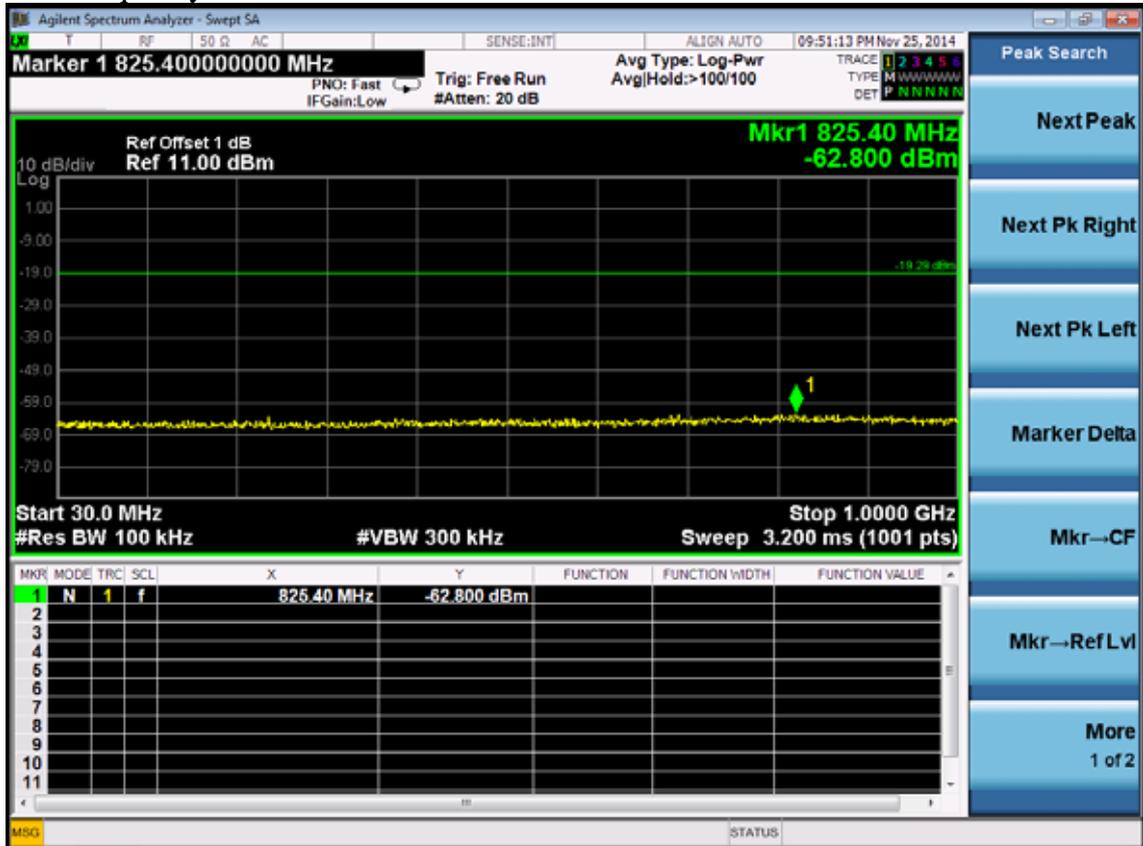


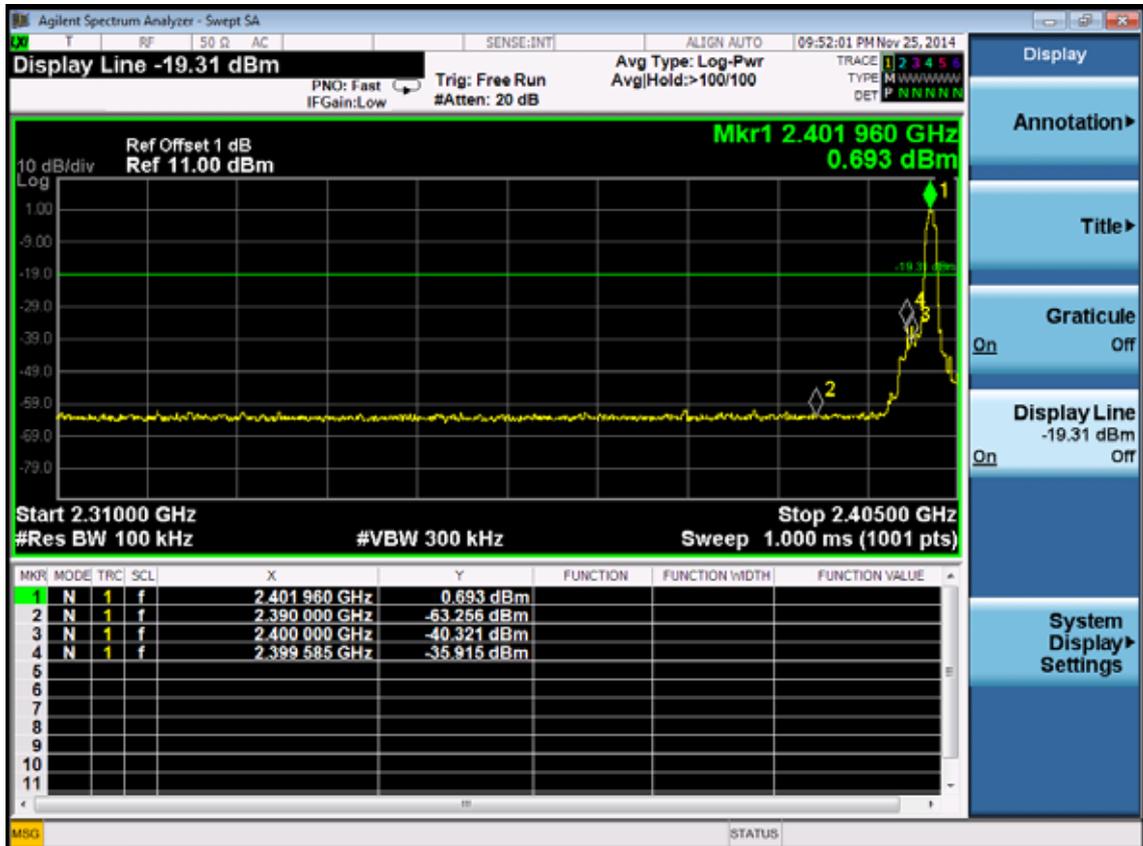
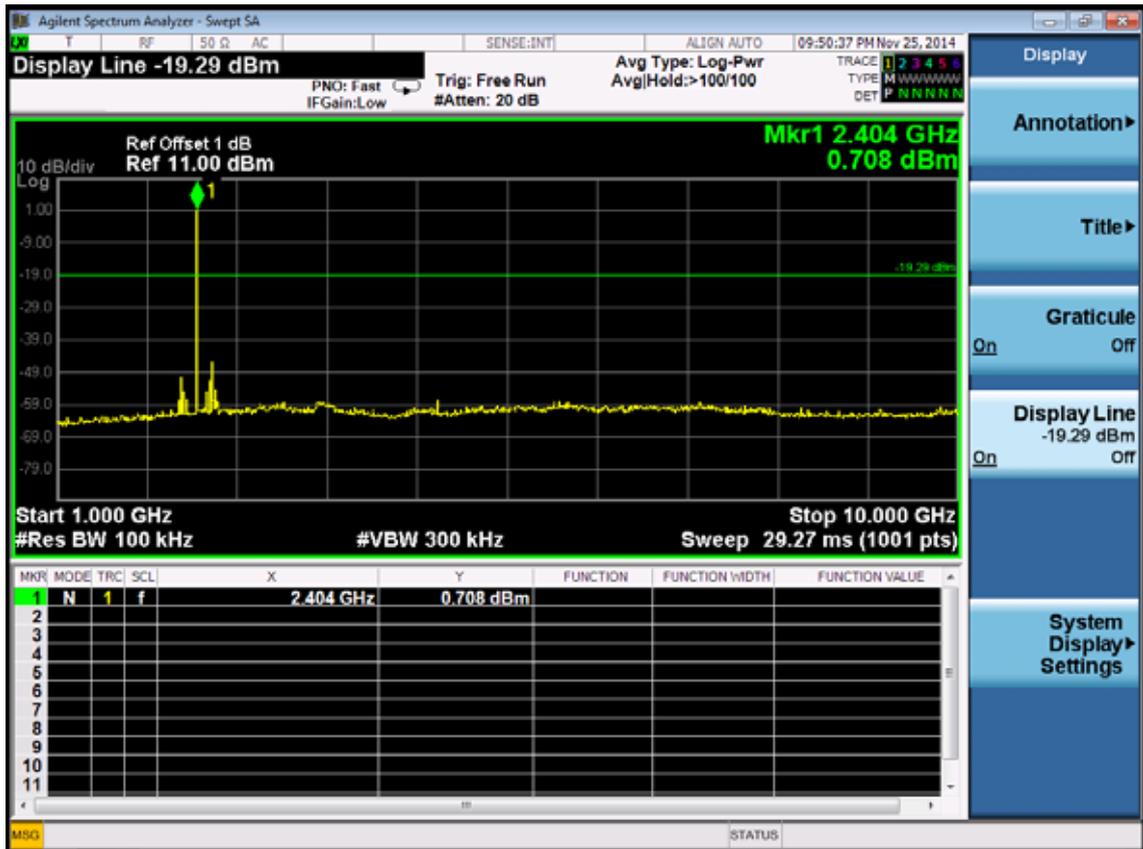


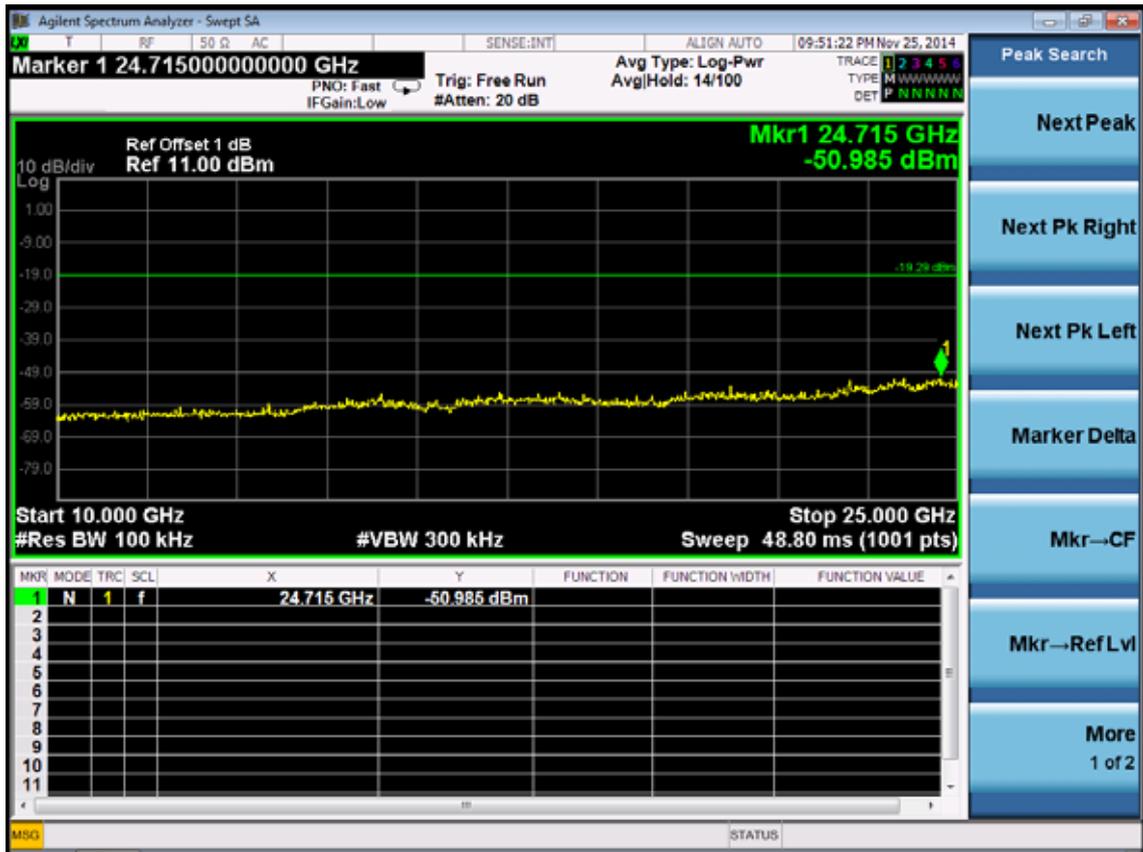


8-DPSK

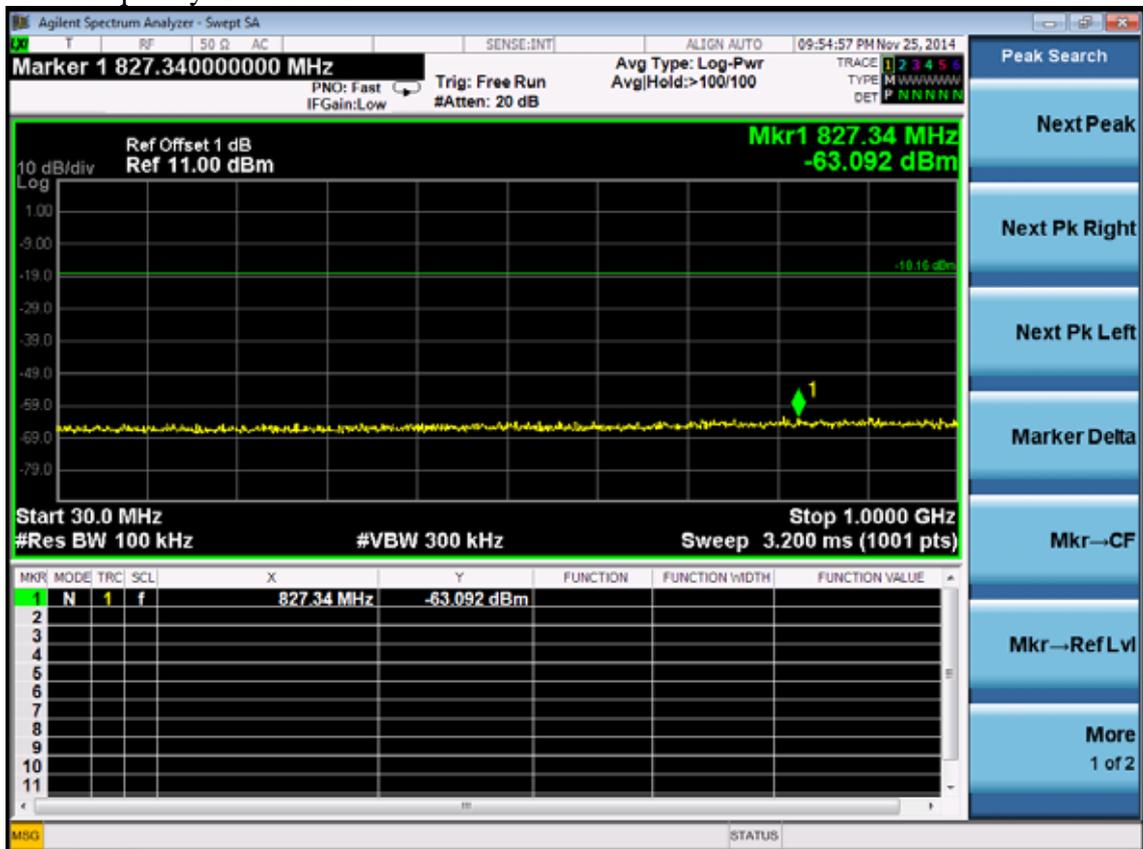
Test Frequency: 2402MHz

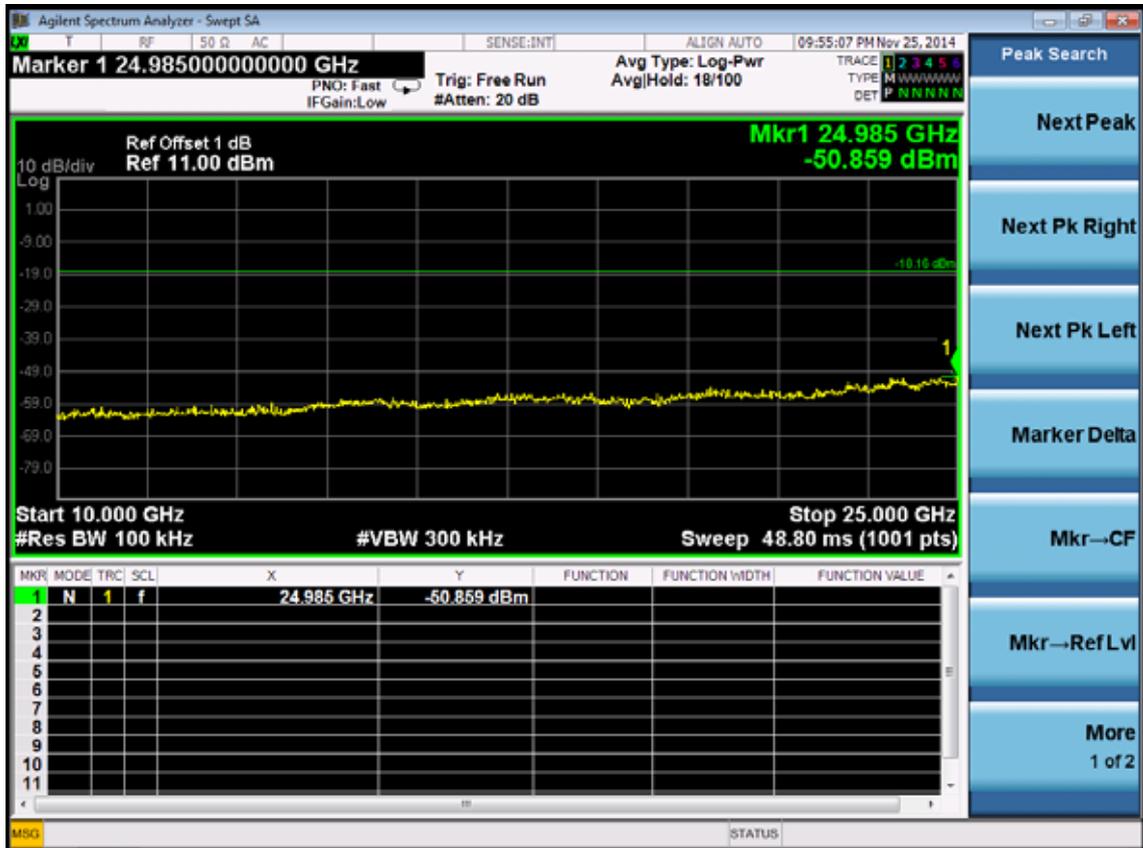
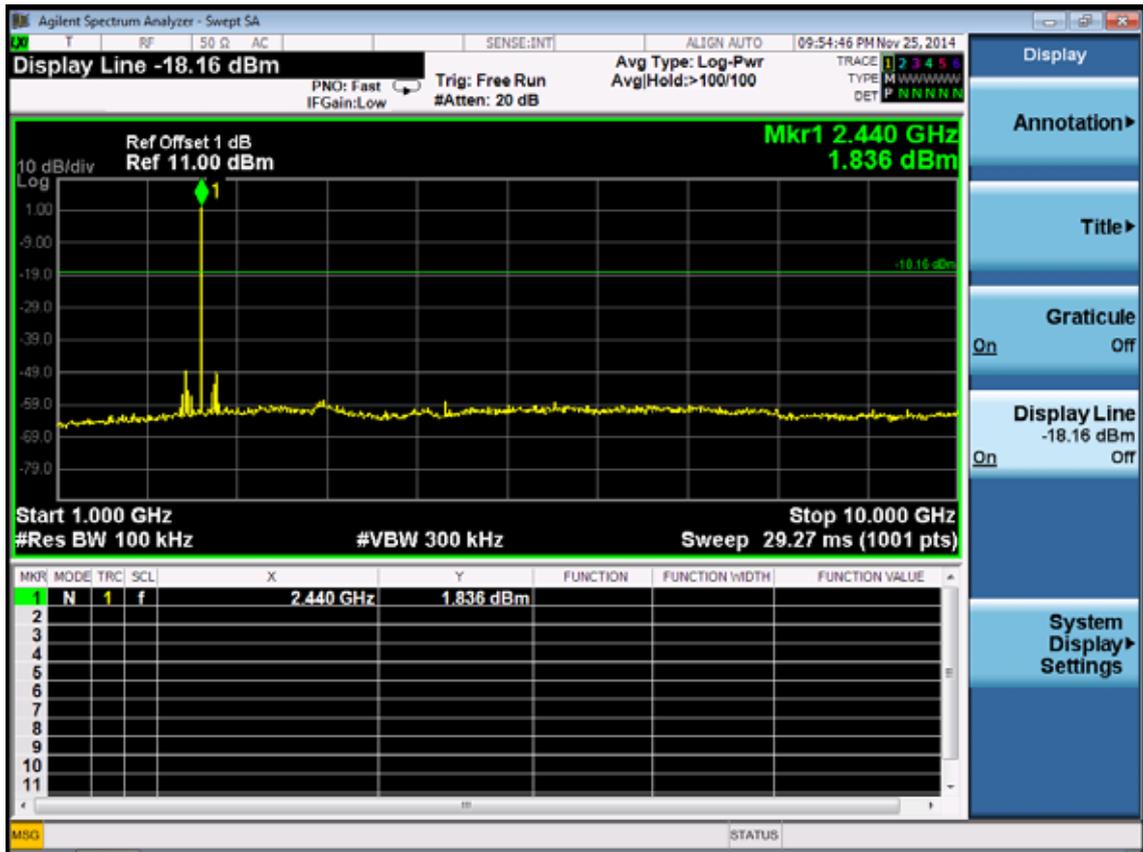




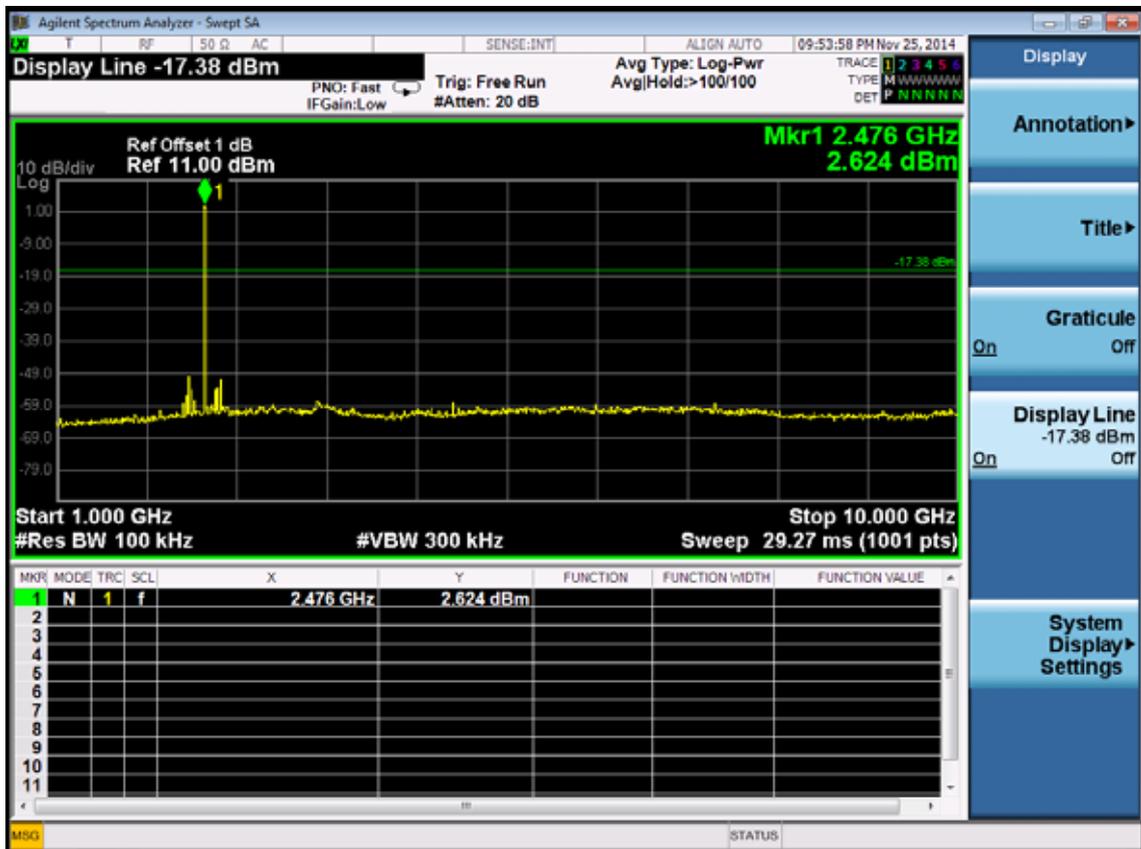
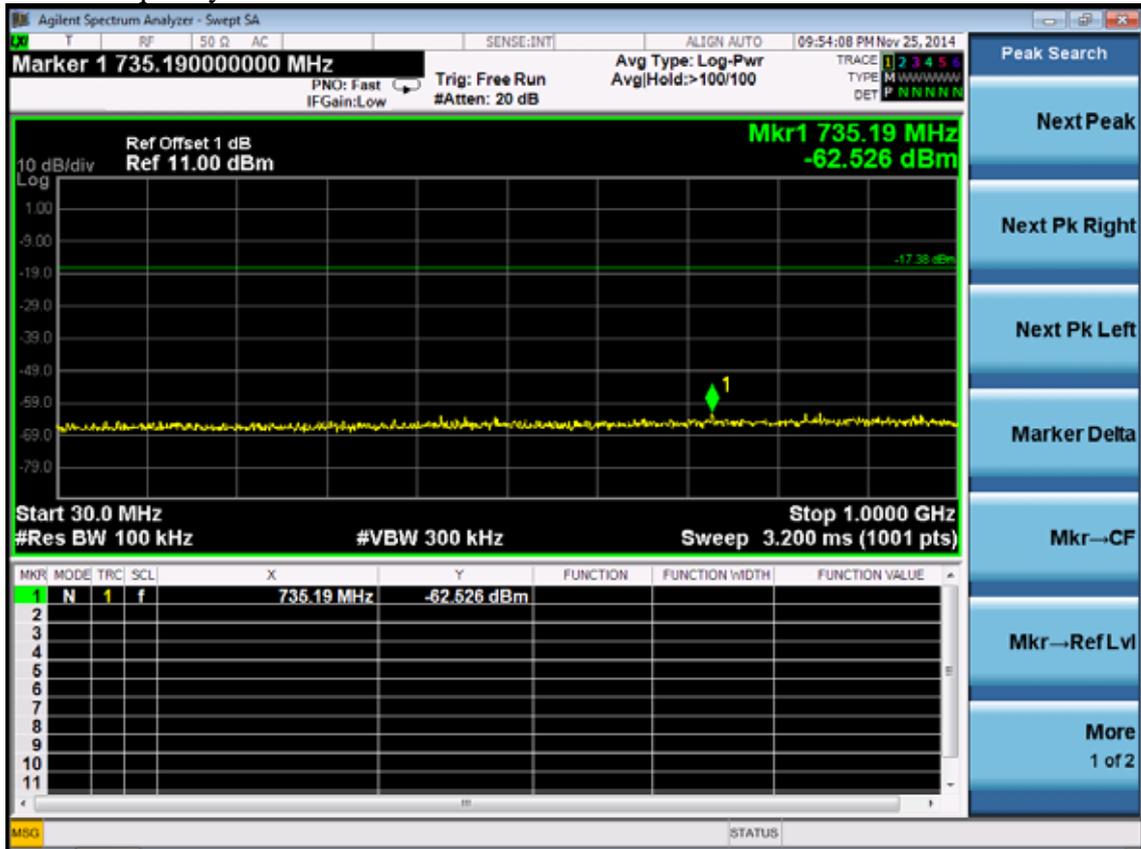


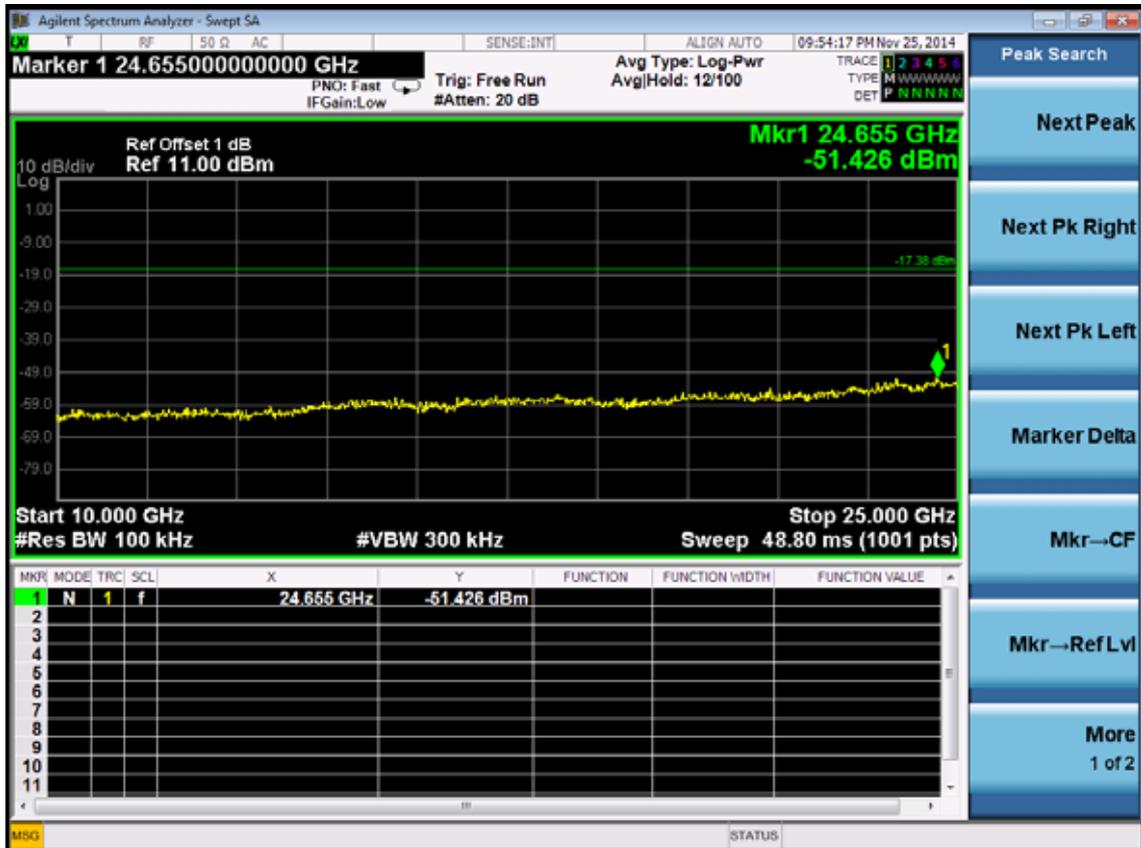
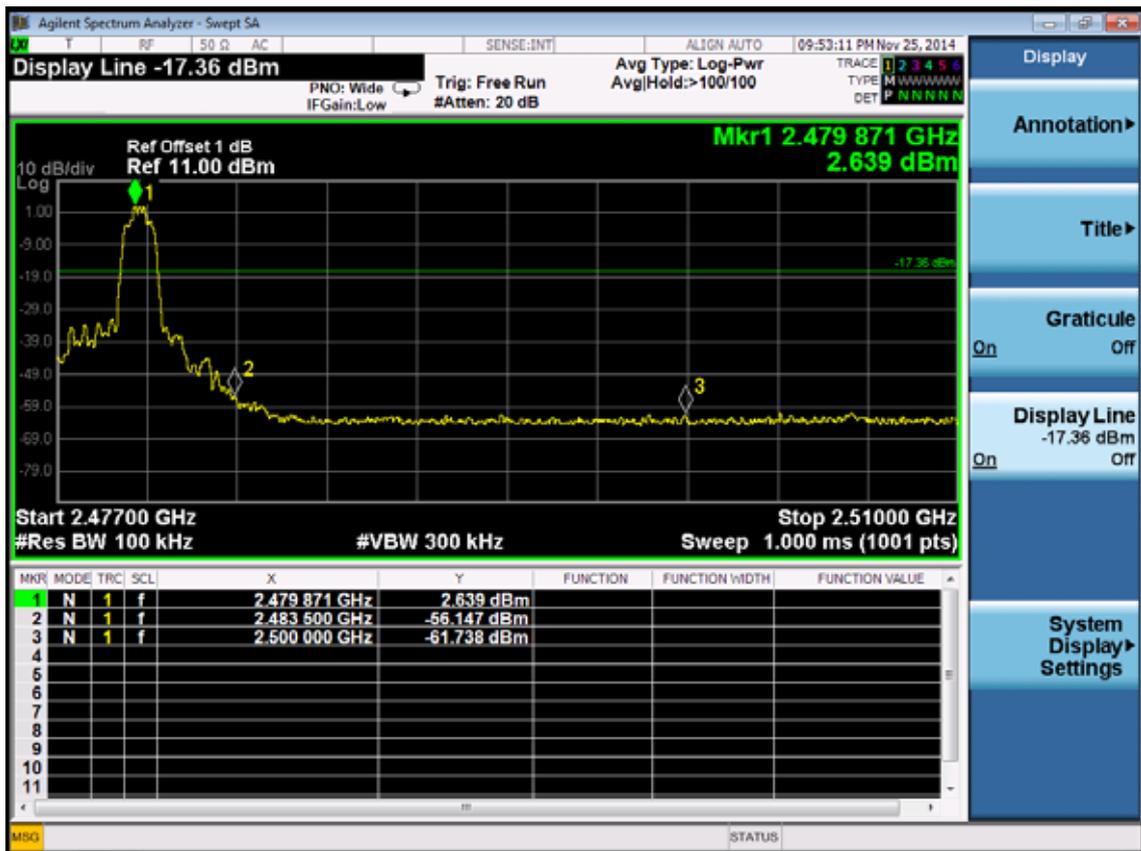
Test Frequency: 2441MHz



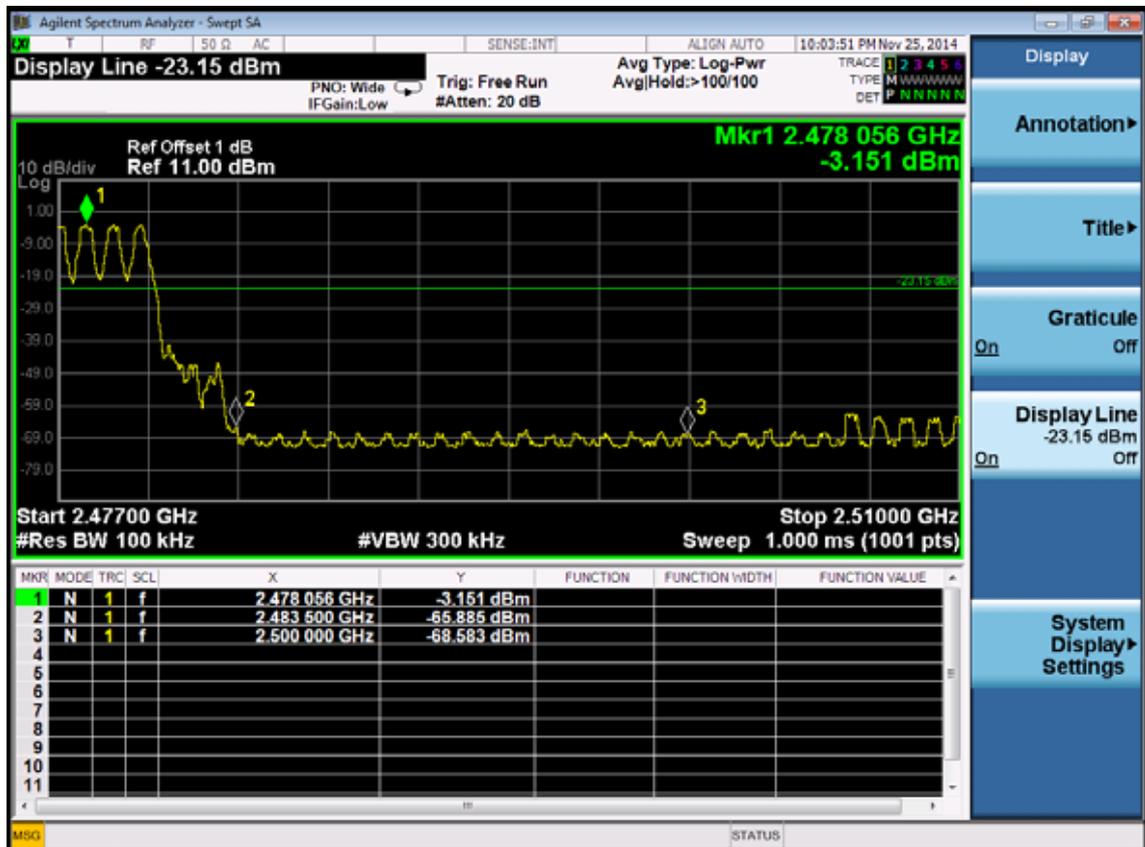
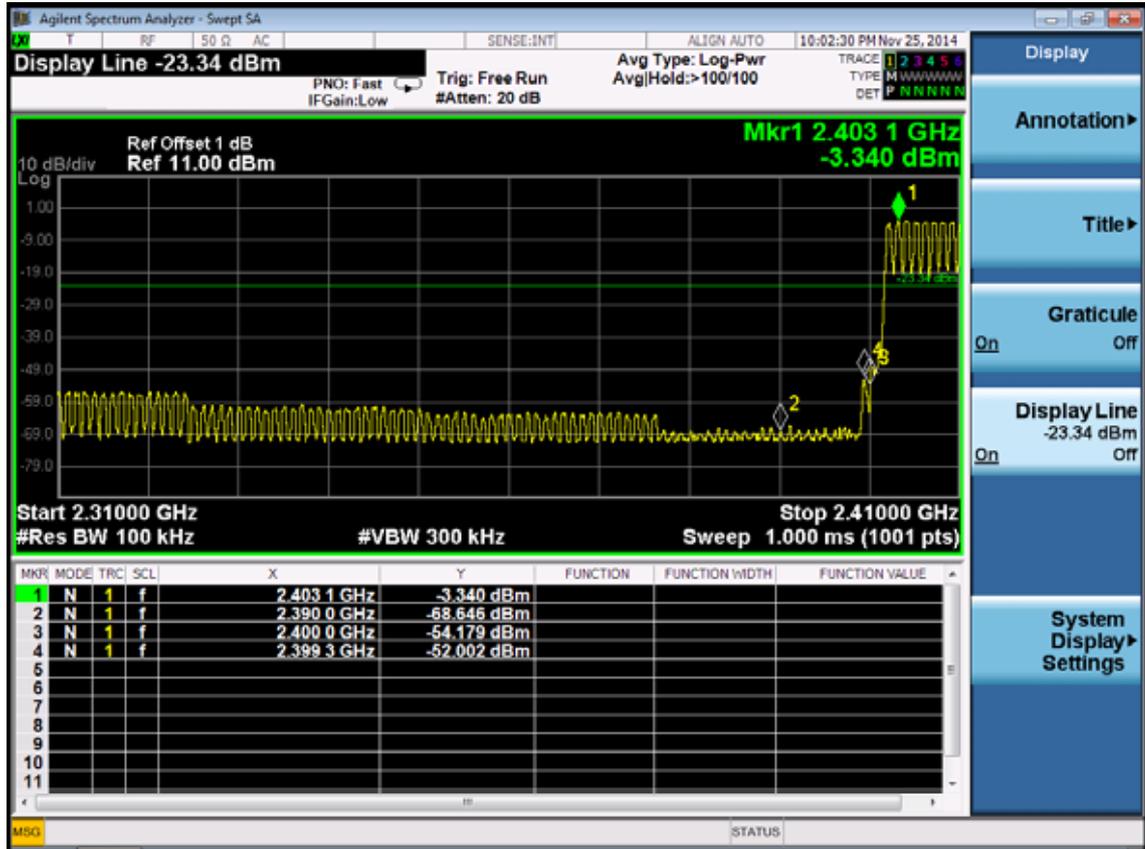


Test Frequency: 2480MHz

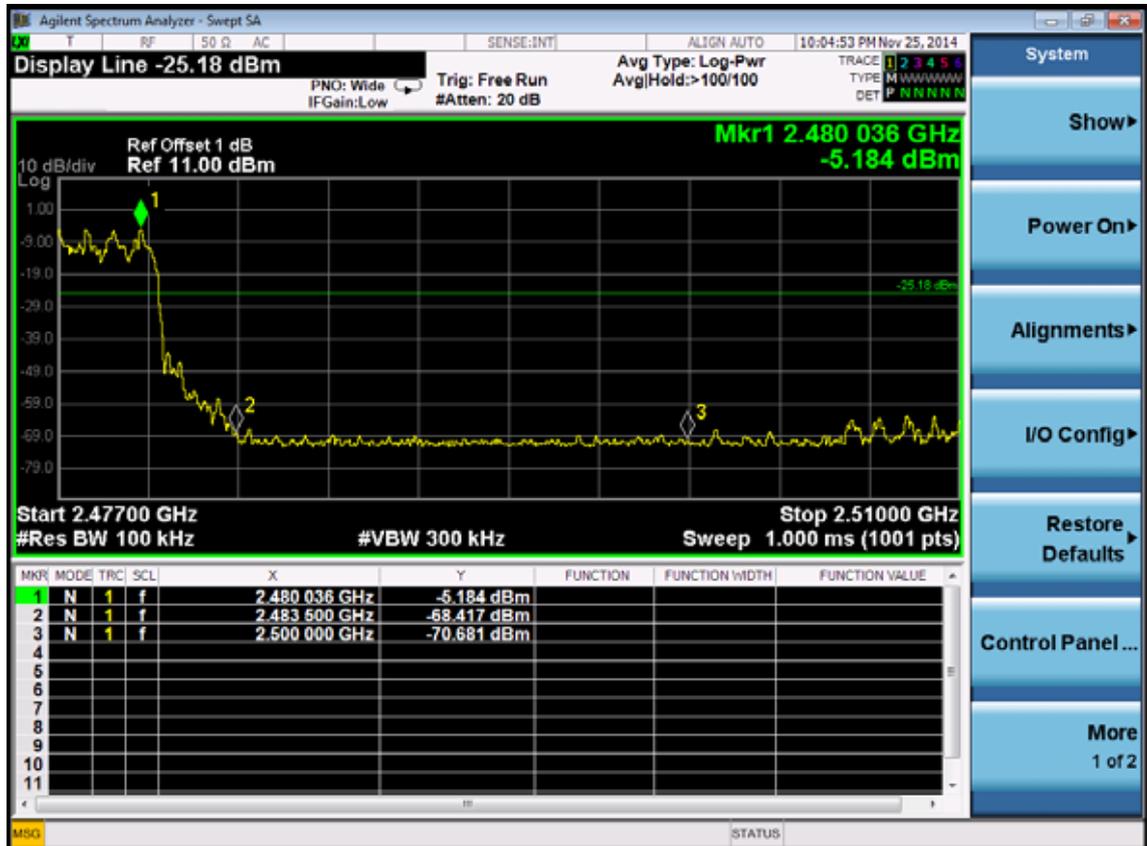
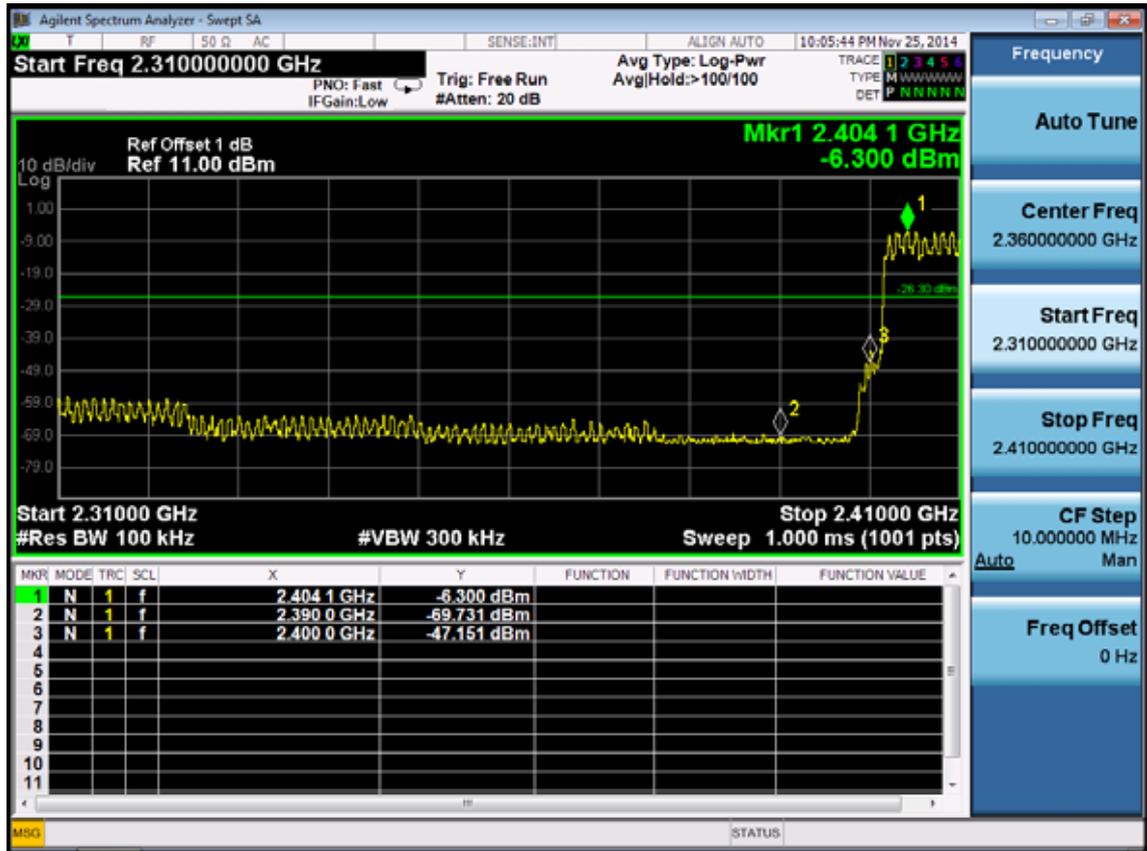




Hopping on GFSK



8 DPSK



6. CARRIER FREQUENCY SEPARATION TEST

6.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-----------|------------|------------|---------------|
| 1 | Spectrum Analyzer | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1Year |

6.2. Limit

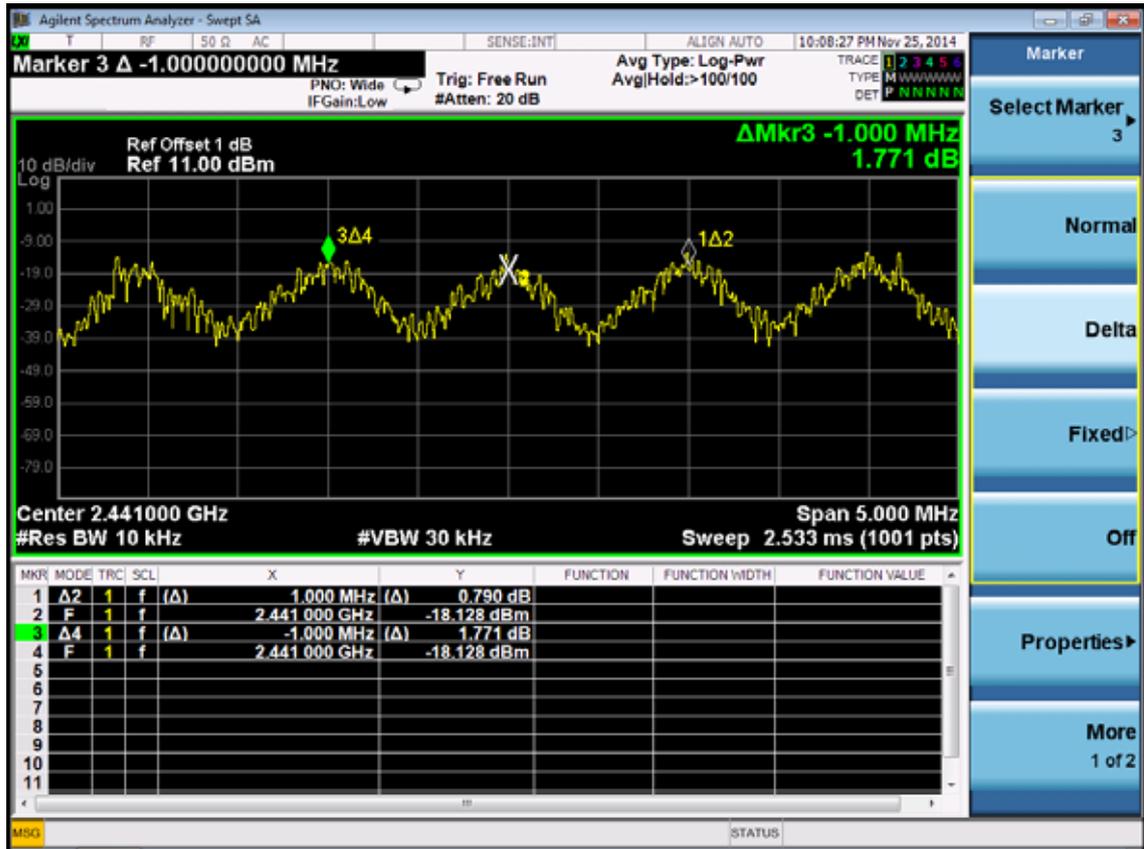
Frequency hopping systems shall have hopping channel carrier frequency separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

6.3. Test Results.

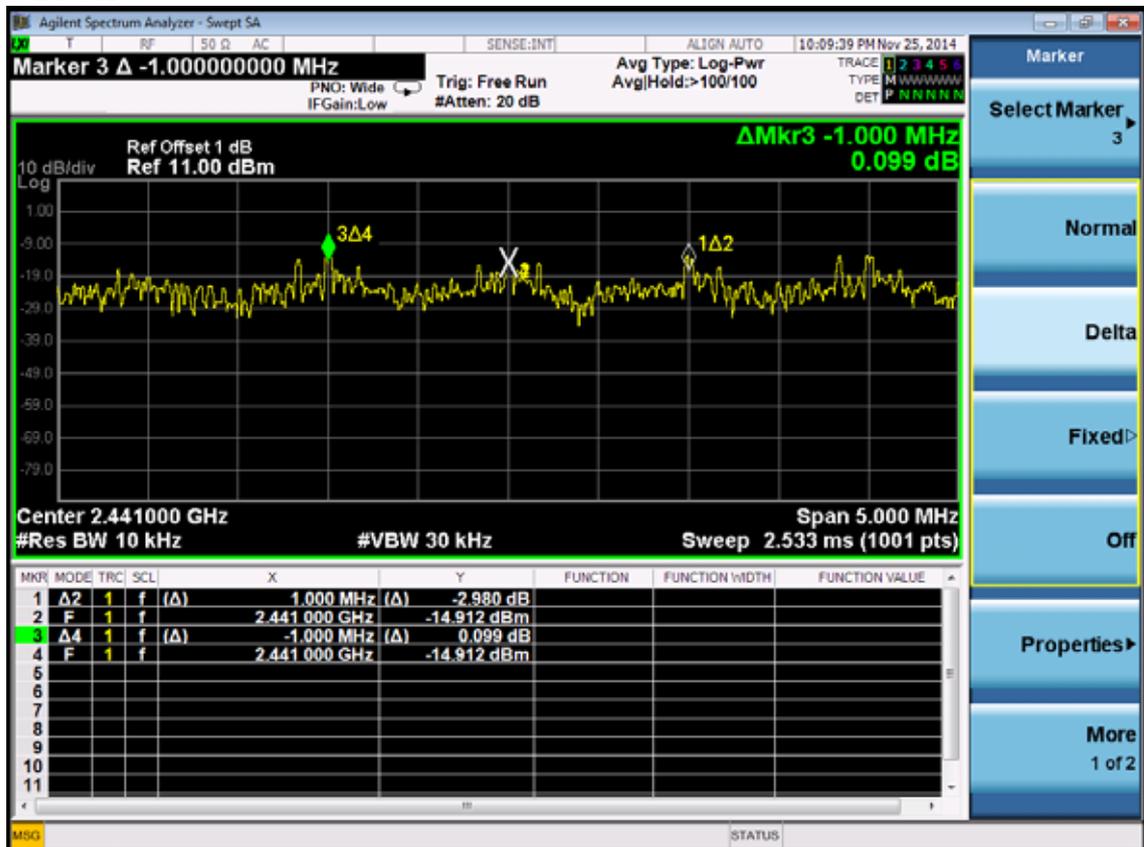
| | | |
|----------------------------|-------------------------|--------------------------|
| EUT: Personal Audio System | | |
| M/N: ZS-RS60BT | | |
| Test date: 2014-11-25 | Pressure: 101.3±1.0 kpa | Humidity: 53.5±3.0% |
| Tested by: donjon_huang | Test site: RF Site | Temperature : 22.4±0.6°C |

| Test Mode | Channel separation | Conclusion |
|-----------|--------------------|------------|
| 8-DPSK | 1.0MHz | PASS |
| GFSK | 1.0MHz | PASS |

GFSK



8-DPSK



7. 20 DB BANDWIDTH TEST

7.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-------------|------------|------------|---------------|
| 1. | Spectrum | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1 Year |
| 2. | Attenuator (20dB) | Agilent | 8491B | MY39262165 | Apr.28,14 | 1 Year |
| 3. | RF Cable | Hubersuhner | SUCOFLEX102 | 28620/2 | Apr.28,14 | 1 Year |

7.2. Limit

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

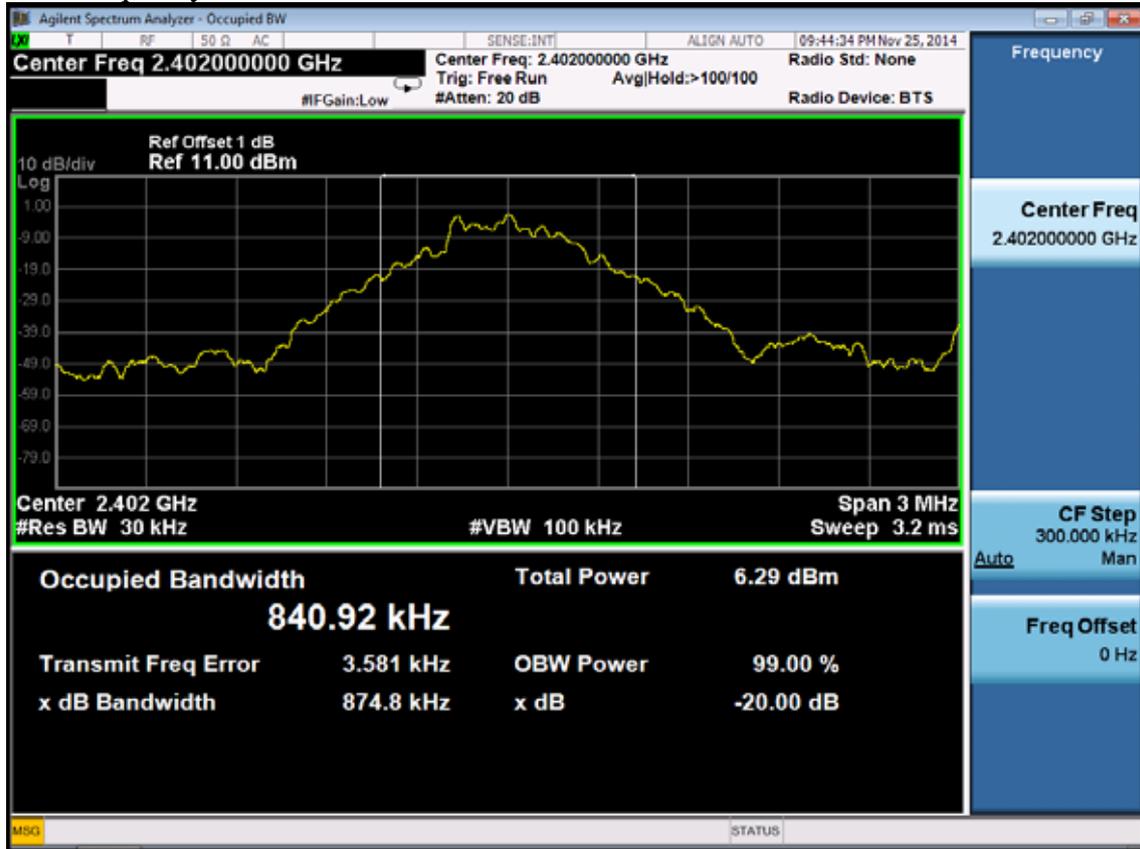
7.3. Test Results

| | | |
|----------------------------|-------------------------|--------------------------|
| EUT: Personal Audio System | | |
| M/N: ZS-RS60BT | | |
| Test date: 2014-11-25 | Pressure: 101.3±1.0 kpa | Humidity: 53.5±3.0% |
| Tested by: donjon_huang | Test site: RF Site | Temperature : 22.4±0.6°C |

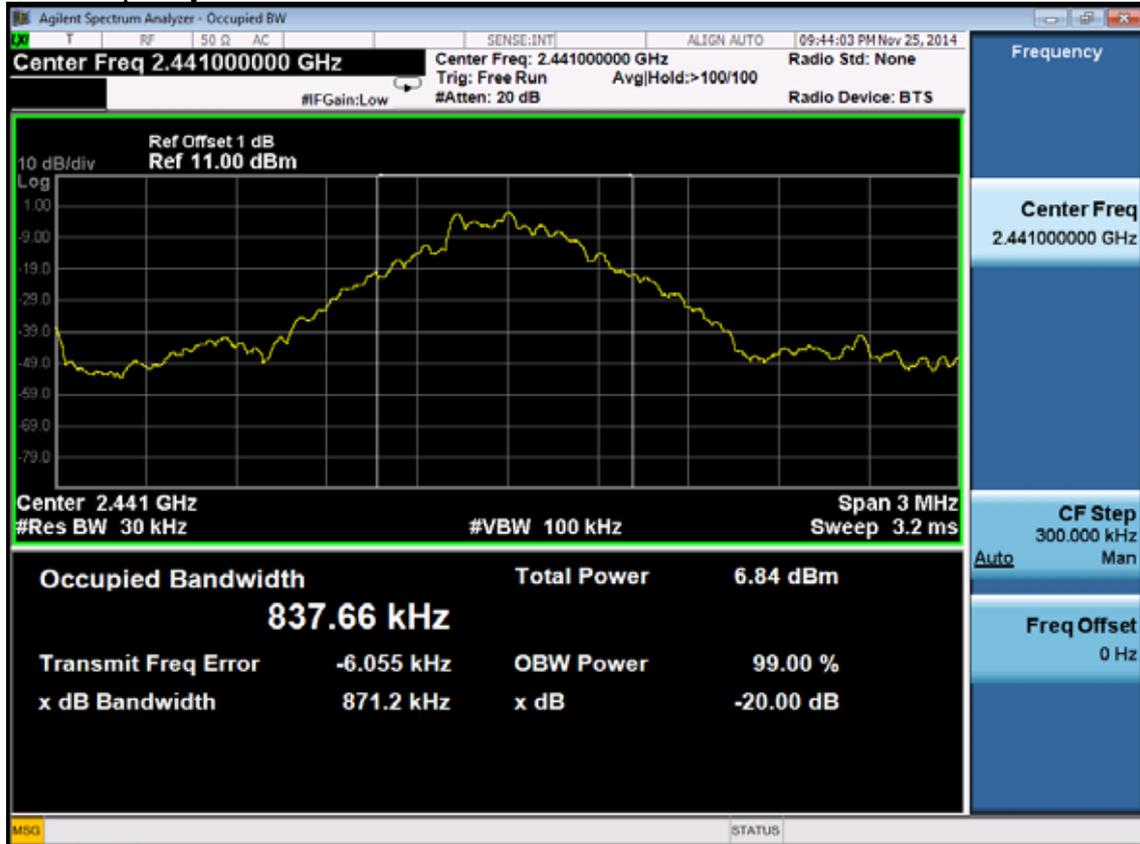
| Test Mode | CH (MHz) | -20dB bandwidth (KHz) | Limit (KHz) |
|-------------------|----------|-----------------------|-------------|
| GFSK | 2402 | 874.8 | N/A |
| | 2441 | 871.2 | N/A |
| | 2480 | 834.8 | N/A |
| 8-DPSK | 2402 | 1206 | N/A |
| | 2441 | 1209 | N/A |
| | 2480 | 1206 | N/A |
| Conclusion : PASS | | | |

GFSK

Test Frequency: 2402MHz



Test Frequency: 2441MHz

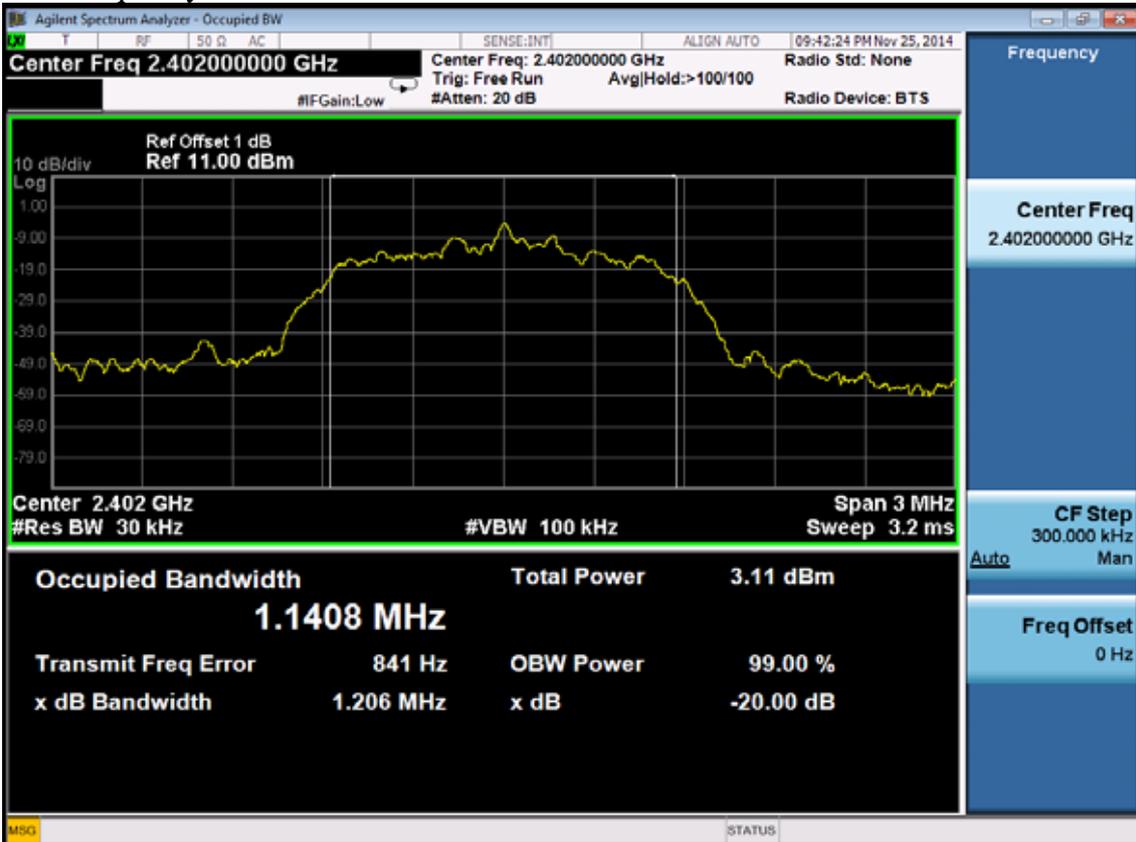


Test Frequency: 2480MHz

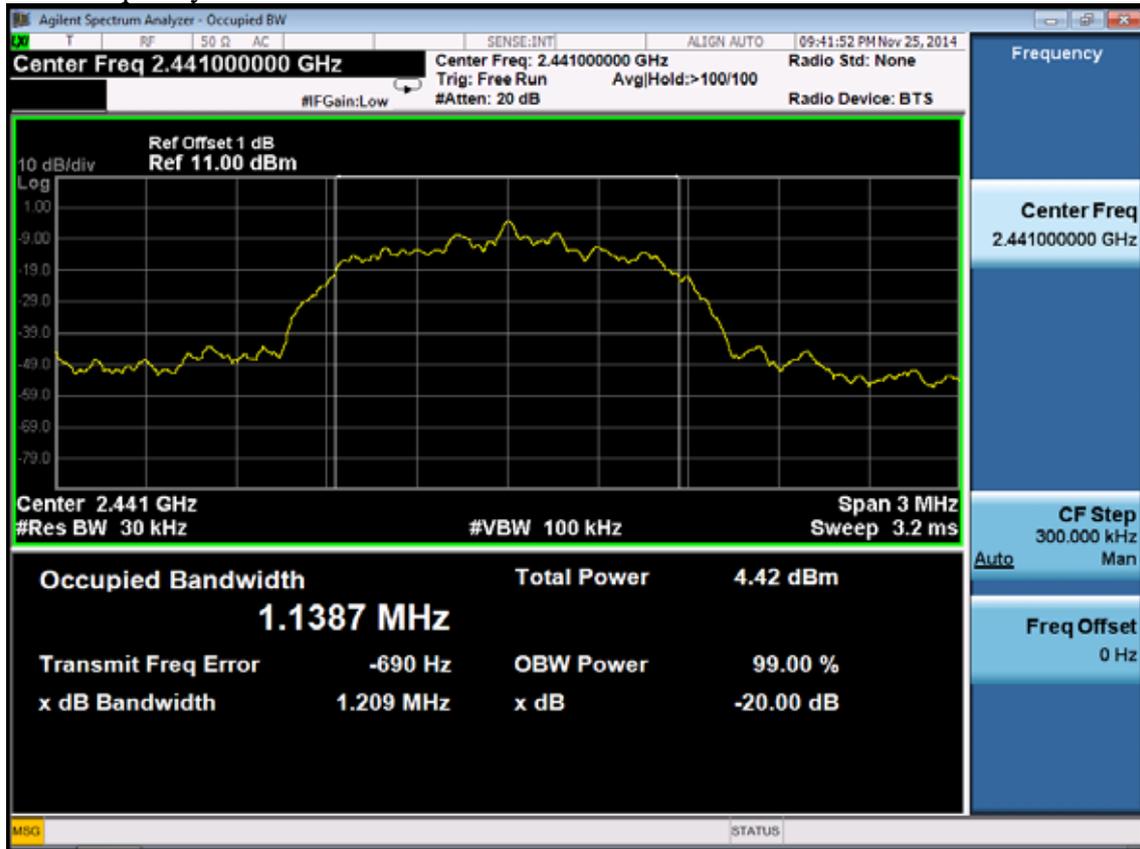


8-DPSK

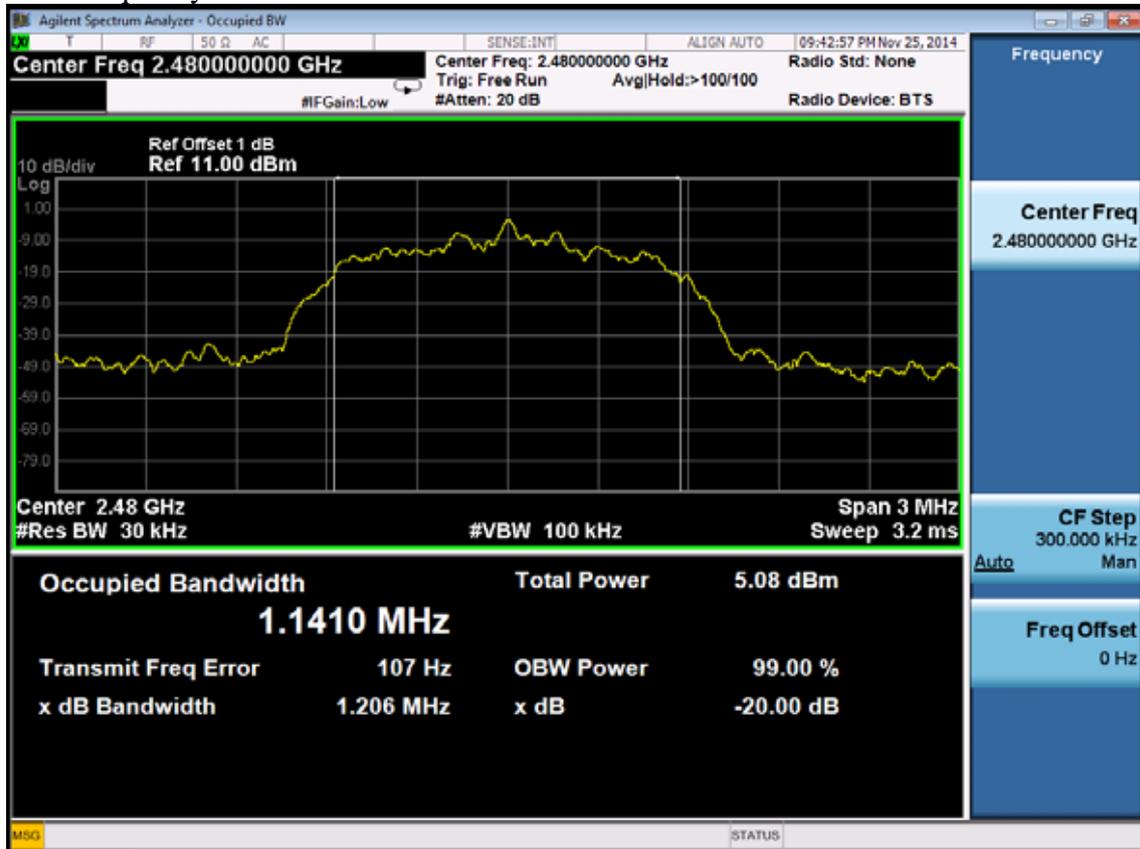
Test Frequency: 2402MHz



Test Frequency: 2441MHz



Test Frequency: 2480MHz



8. NUMBER OF HOPPING FREQUENCY TEST

8.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-----------|------------|------------|---------------|
| 1 | Spectrum Analyzer | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1Year |

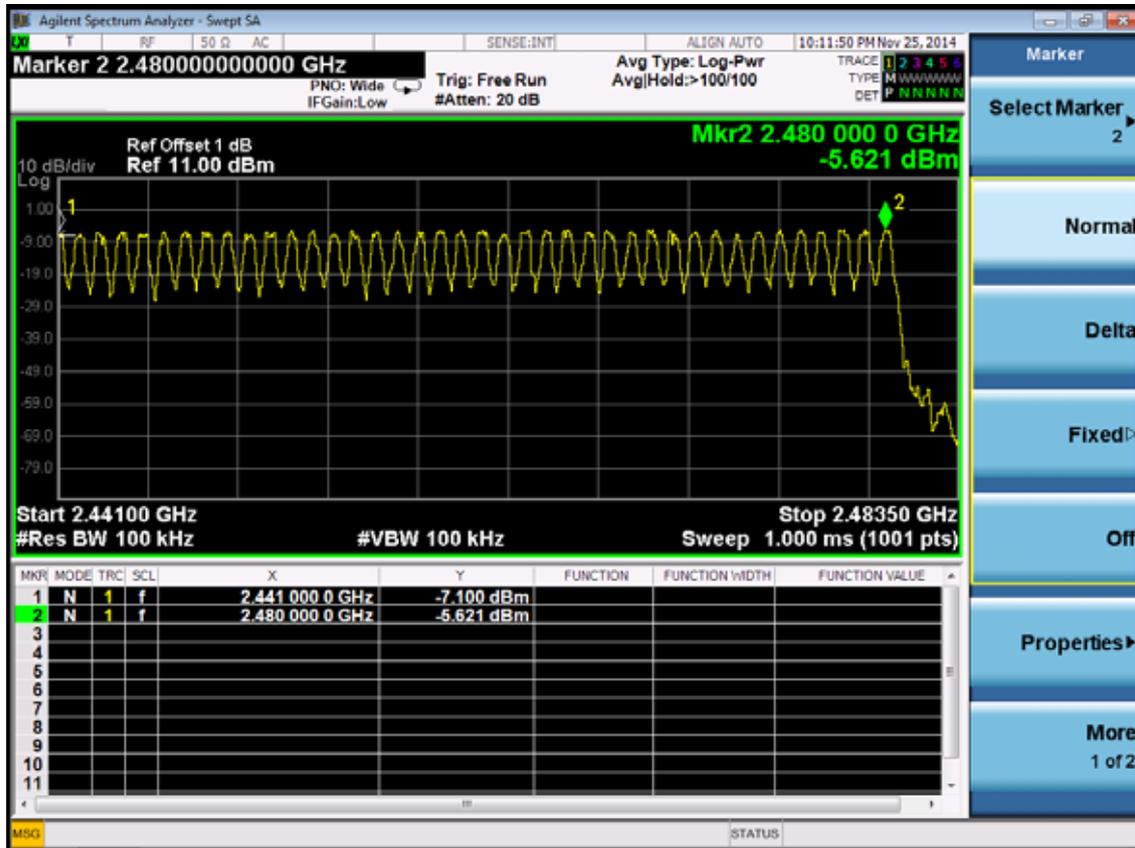
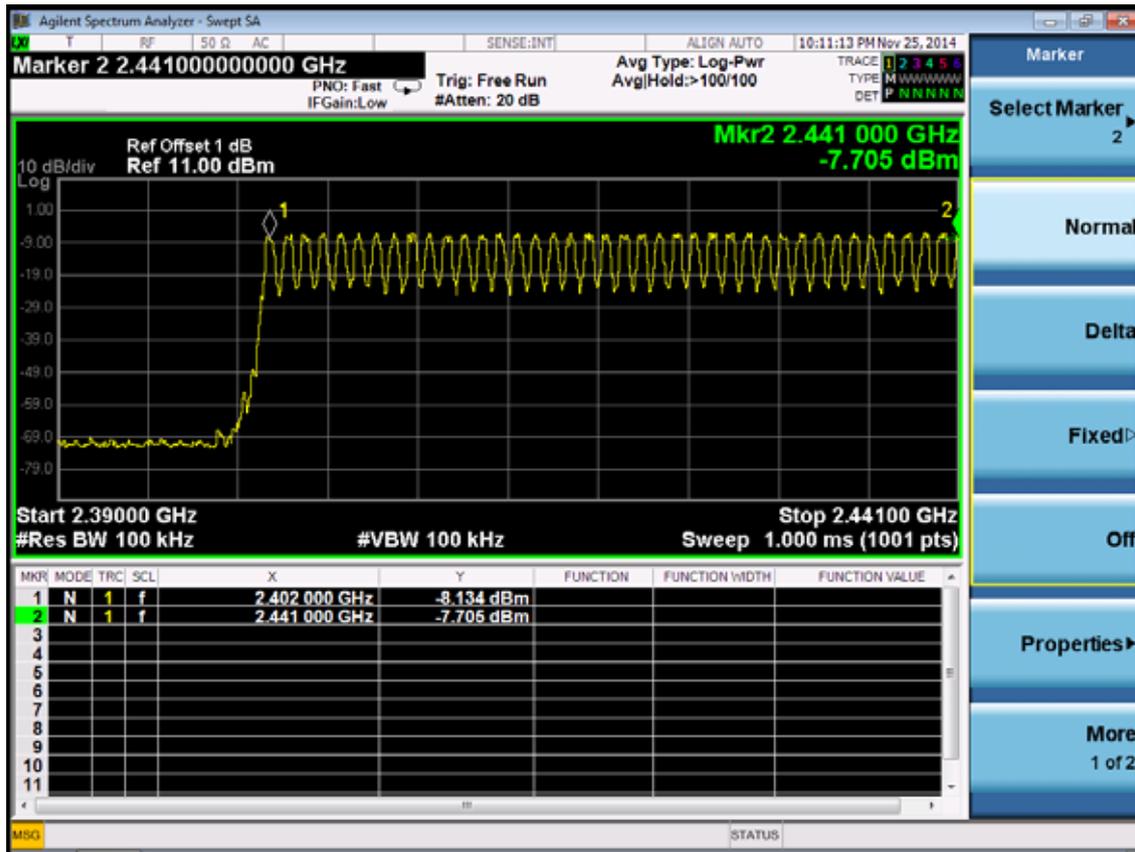
8.2. Limit

Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels

8.3. Test Results

| | | |
|----------------------------|-------------------------|--------------------------|
| EUT: Personal Audio System | | |
| M/N: ZS-RS60BT | | |
| Test date: 2014-11-25 | Pressure: 101.3±1.0 kpa | Humidity: 53.5±3.0% |
| Tested by: donjon_huang | Test site: RF Site | Temperature : 22.4±0.6°C |

| Test Mode | Number of channel | Limit | Conclusion |
|-----------|-------------------|-------|------------|
| 8-DPSK | 79 | ≥15 | PASS |
| GFSK | 79 | ≥15 | PASS |



9. DWELL TIME

9.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-----------|------------|------------|---------------|
| 1 | Spectrum Analyzer | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1Year |

9.2. Limit

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

9.3. Test Results

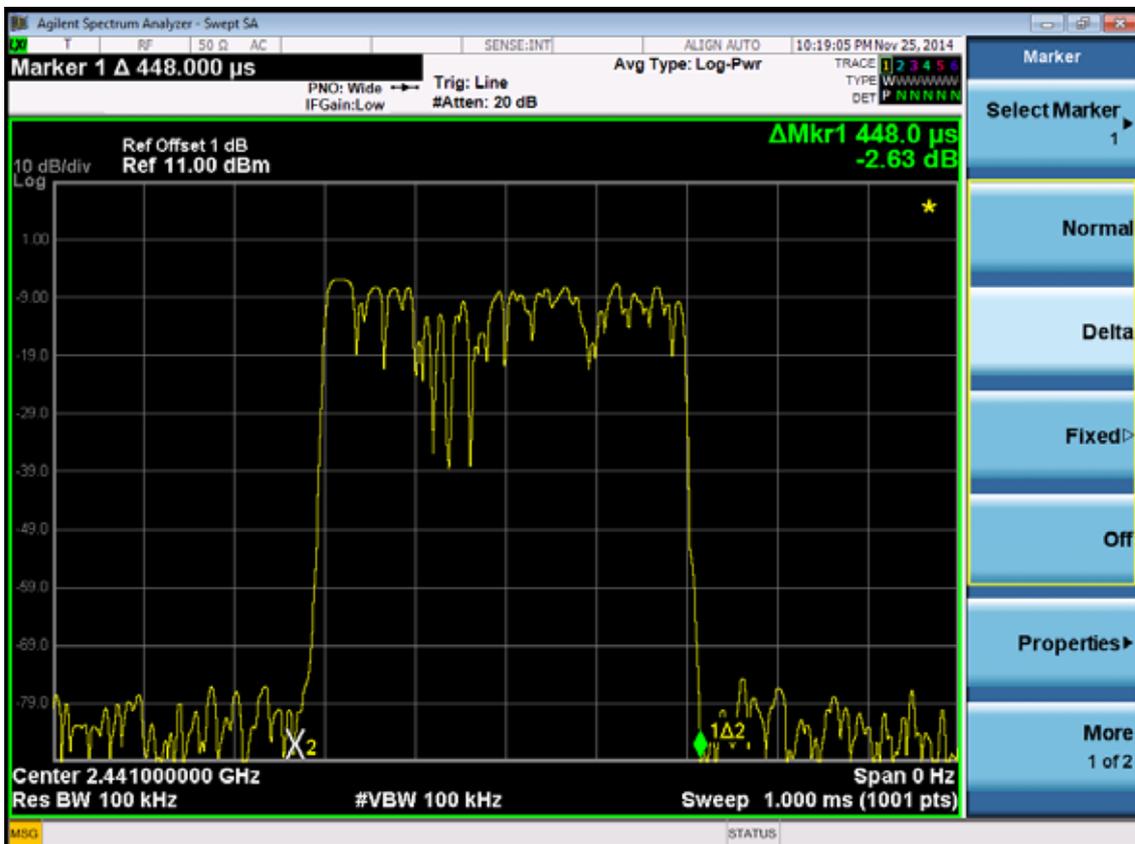
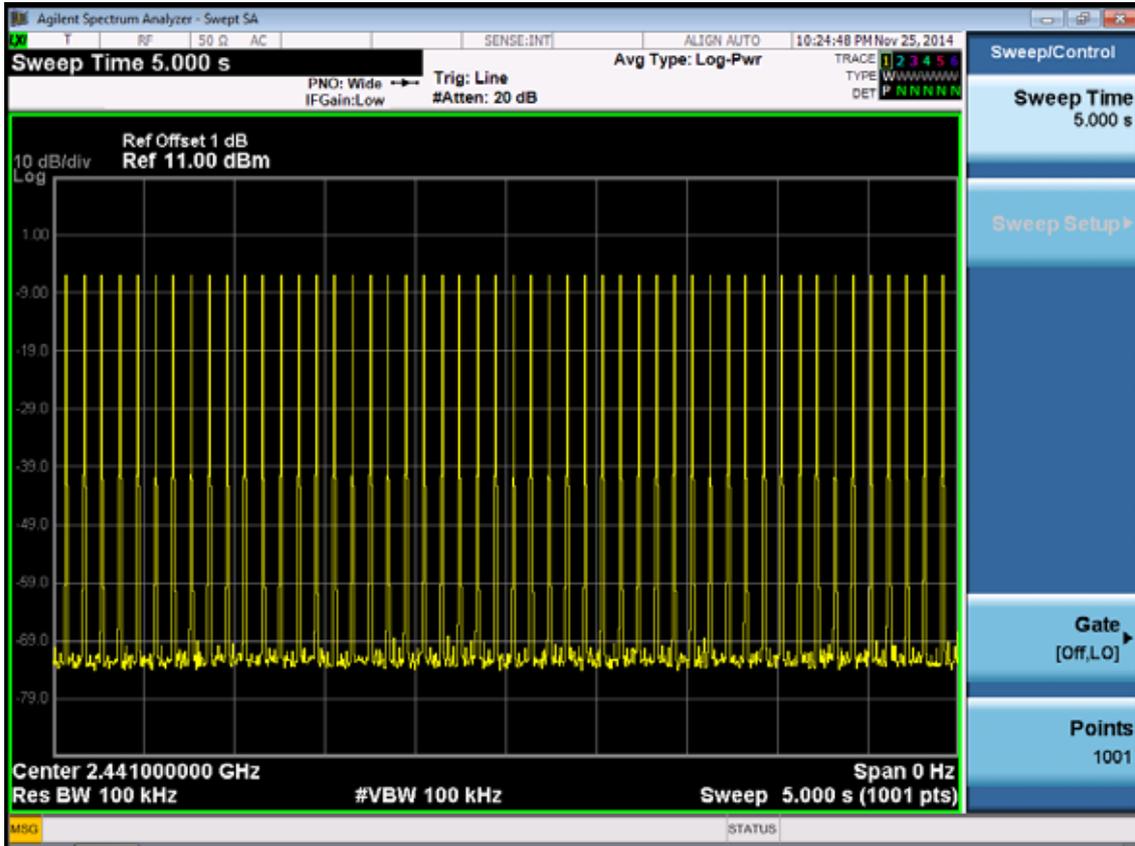
| | | |
|----------------------------|-------------------------|--------------------------|
| EUT: Personal Audio System | | |
| M/N: ZS-RS60BT | | |
| Test date: 2014-11-25 | Pressure: 101.3±1.0 kpa | Humidity: 53.5±3.0% |
| Tested by: donjon_huang | Test site: RF Site | Temperature : 22.4±0.6°C |

| Mode | dwell time | | Limit | Conclusion |
|--------|------------|---|--------|------------|
| GFSK | DH1 | 50hops/5s*0.4*79chanel*0.448ms =141.568ms | <400ms | PASS |
| | DH3 | 25hops/5s*0.4*79chanel*1.722ms =272.076ms | <400ms | PASS |
| | DH5 | 17hops/5s*0.4*79chanel*2.975ms =319.634ms | <400ms | PASS |
| 8-DPSK | DH1 | 51hops/5s*0.4*79chanel*0.452ms =145.689ms | <400ms | PASS |
| | DH3 | 25hops/5s*0.4*79chanel*1.728ms =273.024ms | <400ms | PASS |
| | DH5 | 16hops/5s*0.4*79chanel*3.010ms =304.371ms | <400ms | PASS |

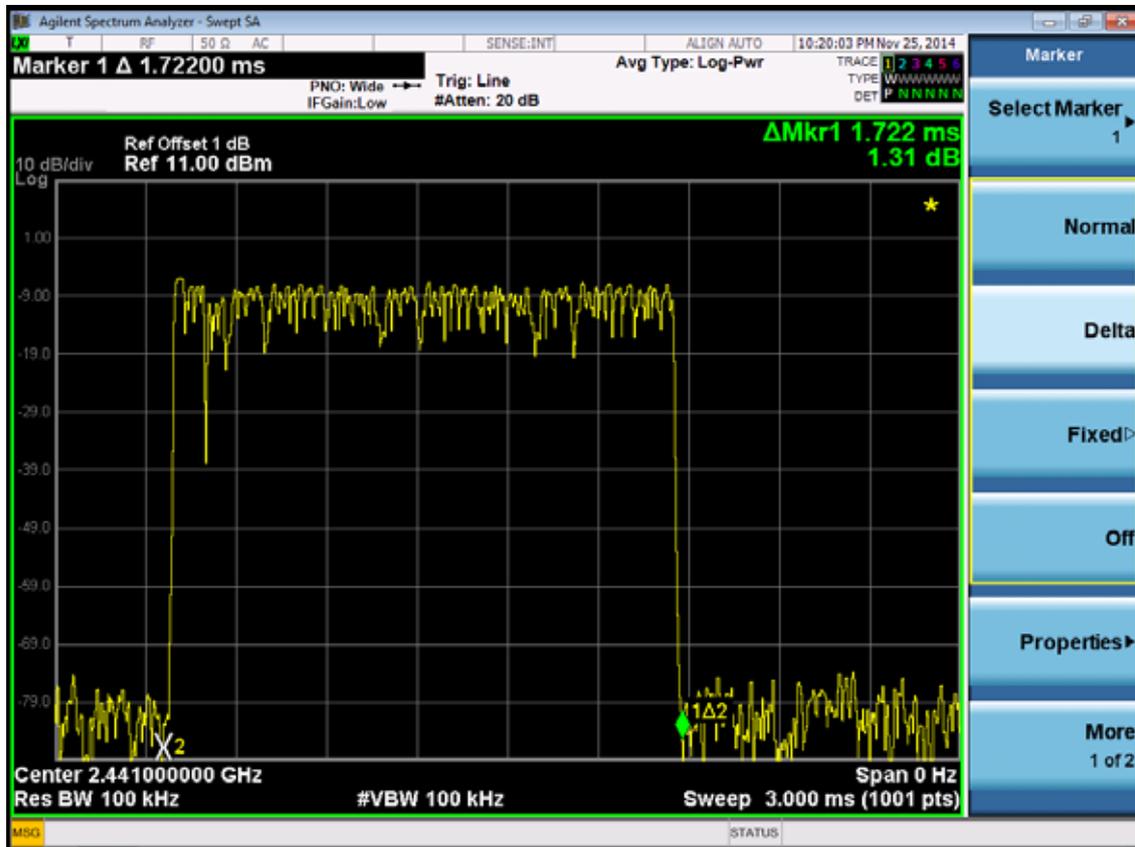
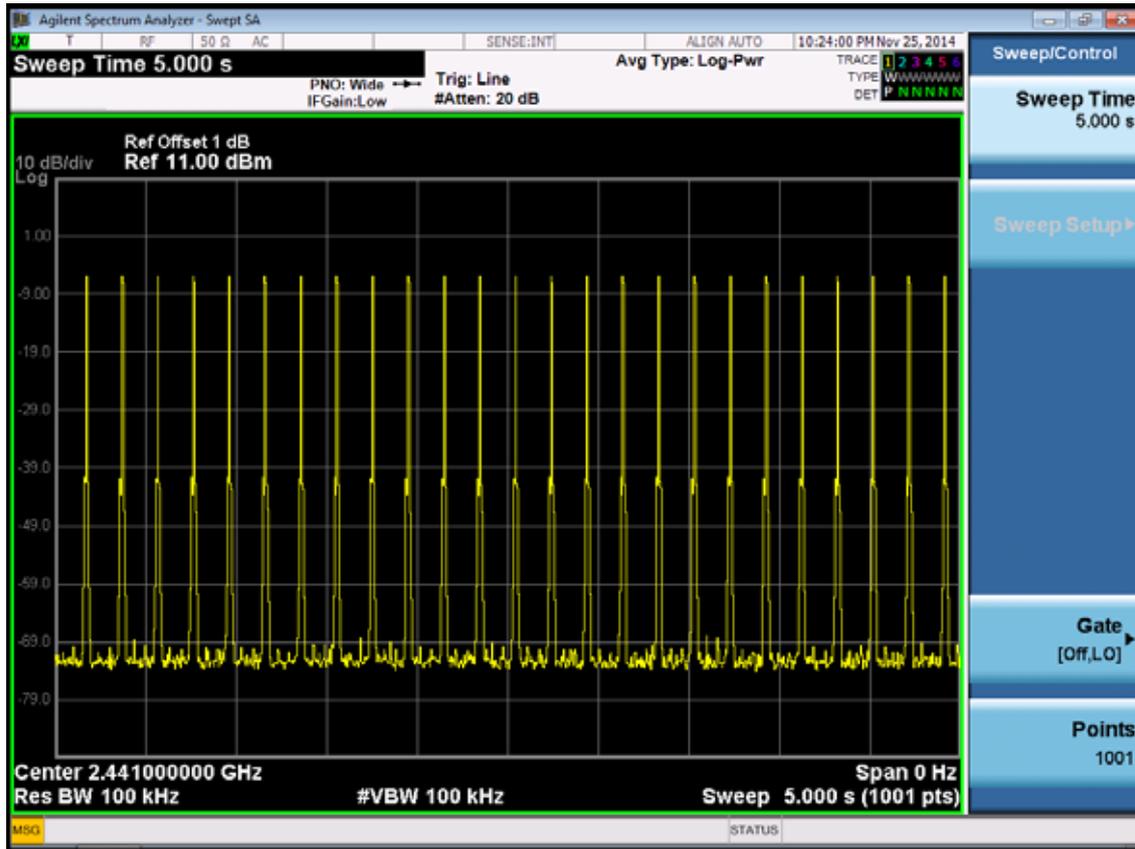
Note: All the lower levels were signal from receiver's, and should not considered in here.

Test Mode: GFSK

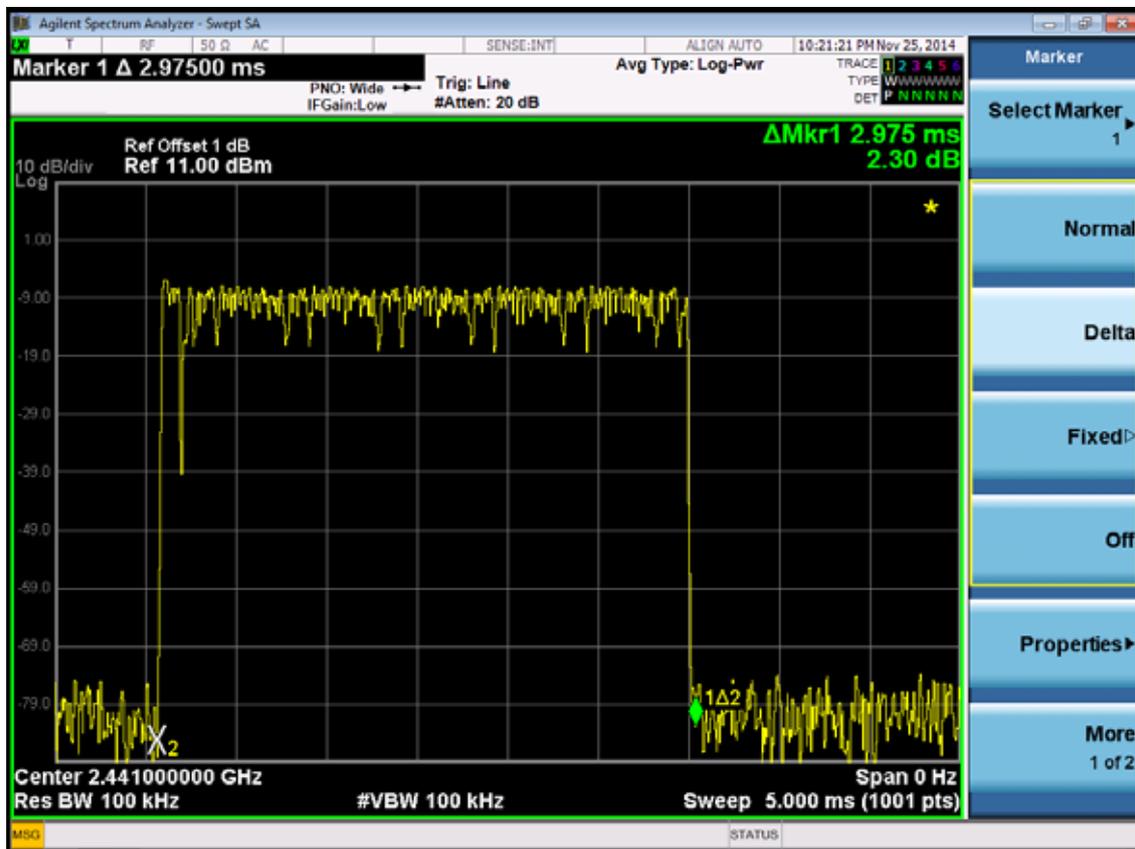
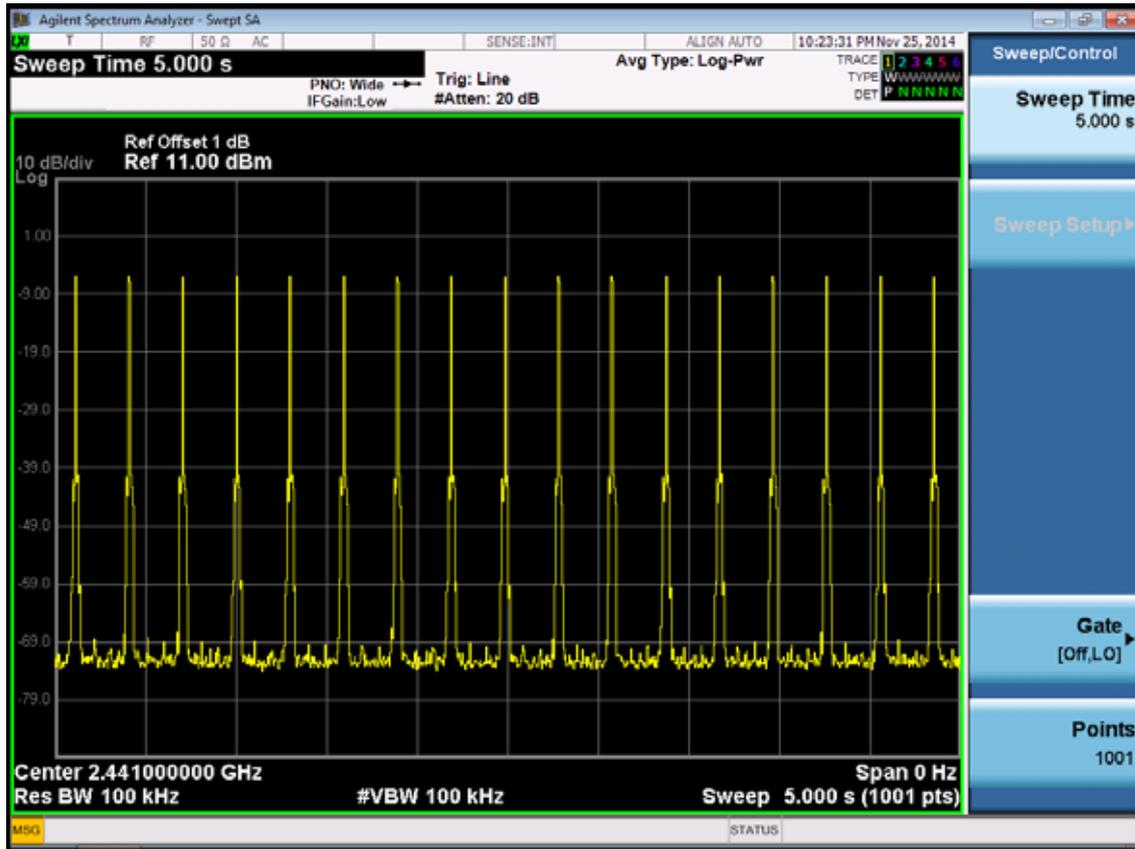
DH 1



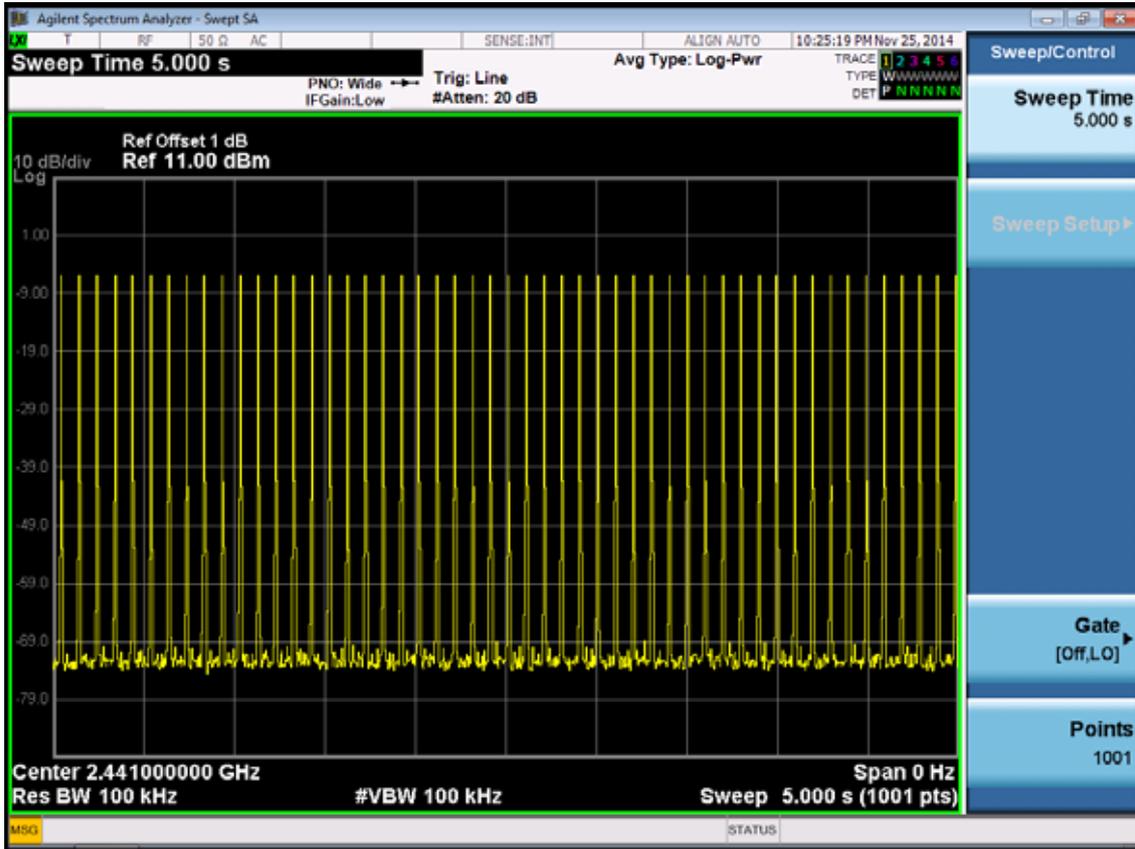
DH 3



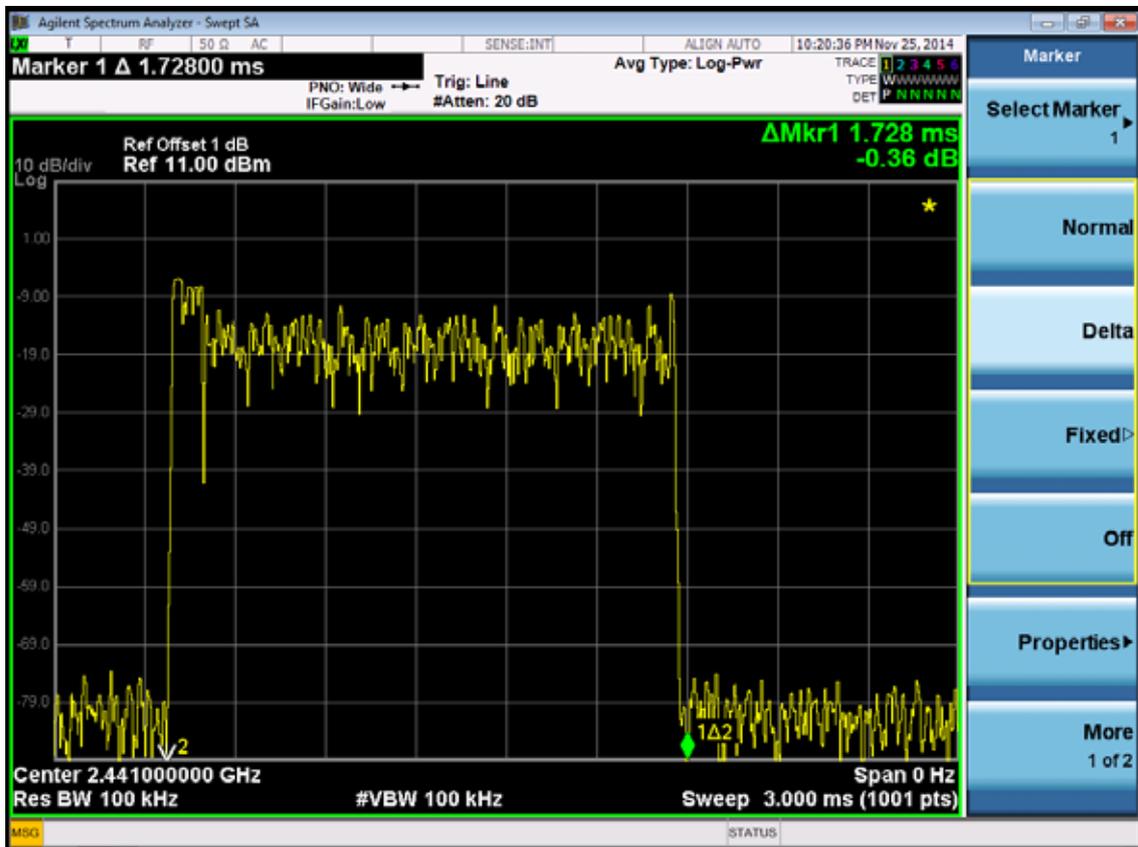
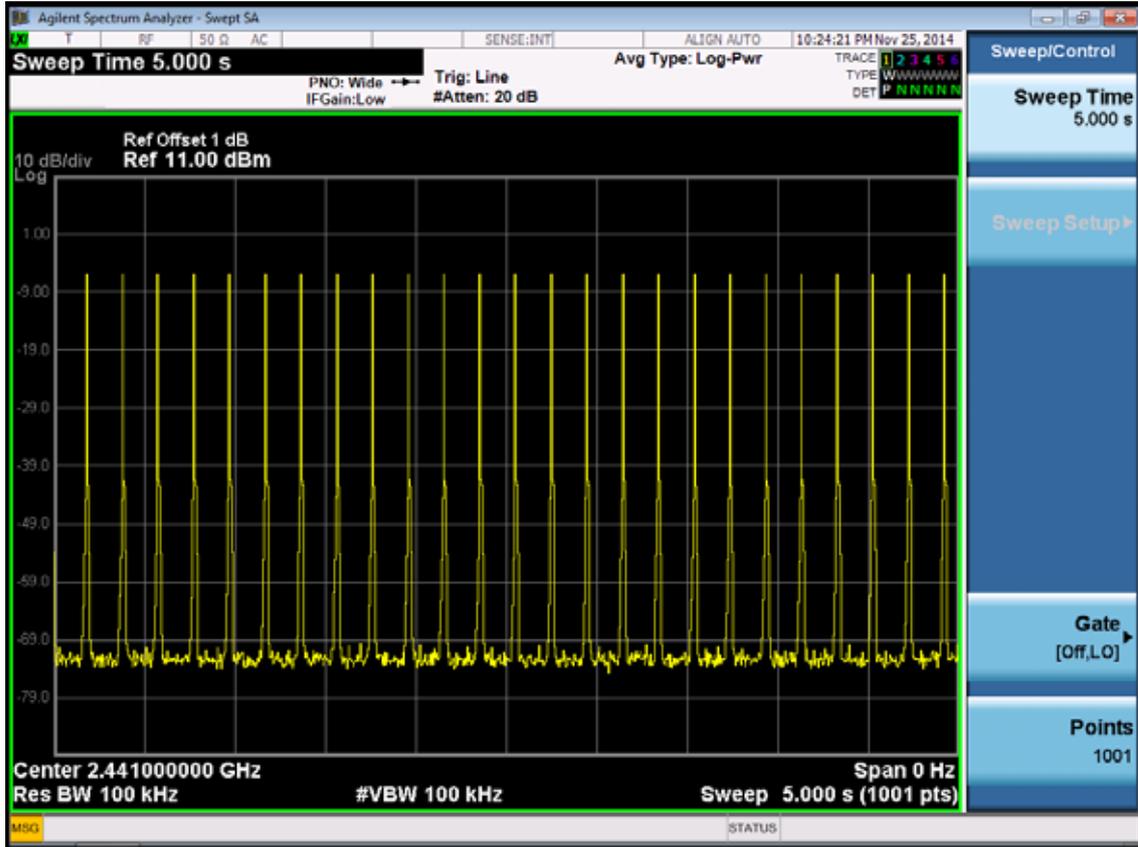
DH 5



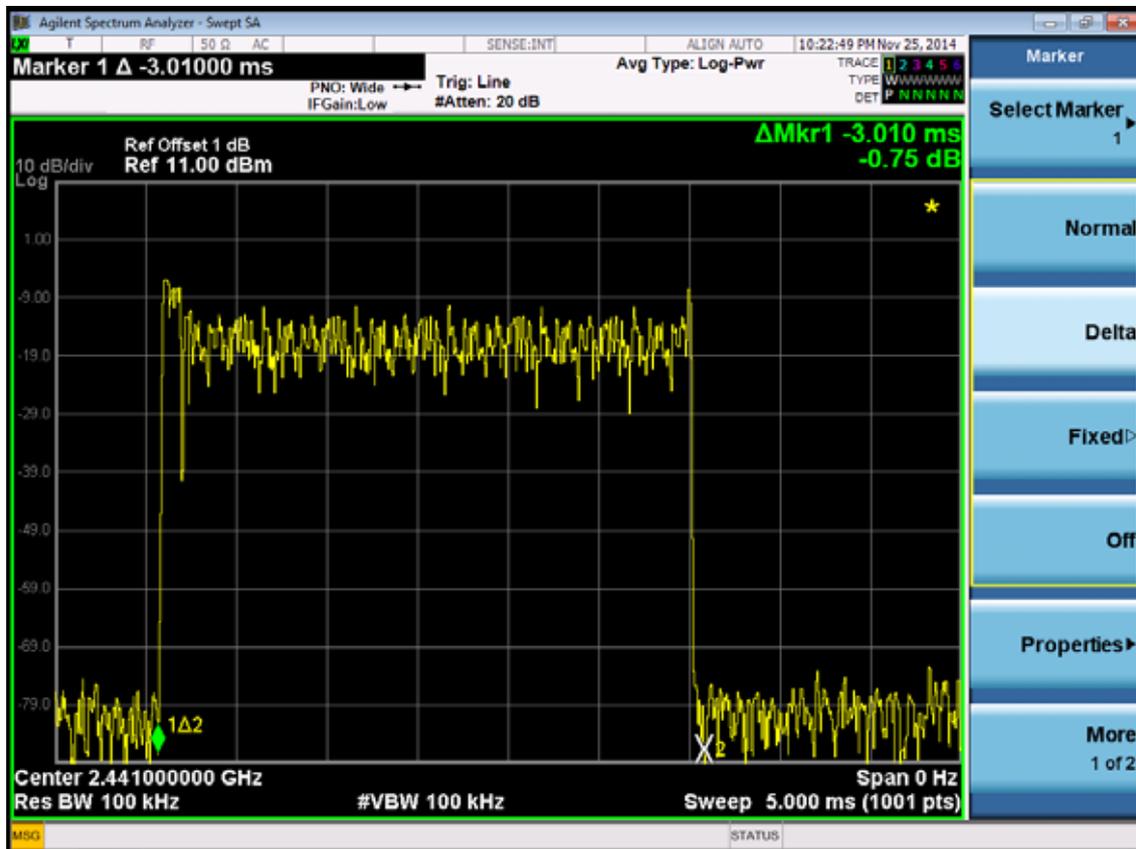
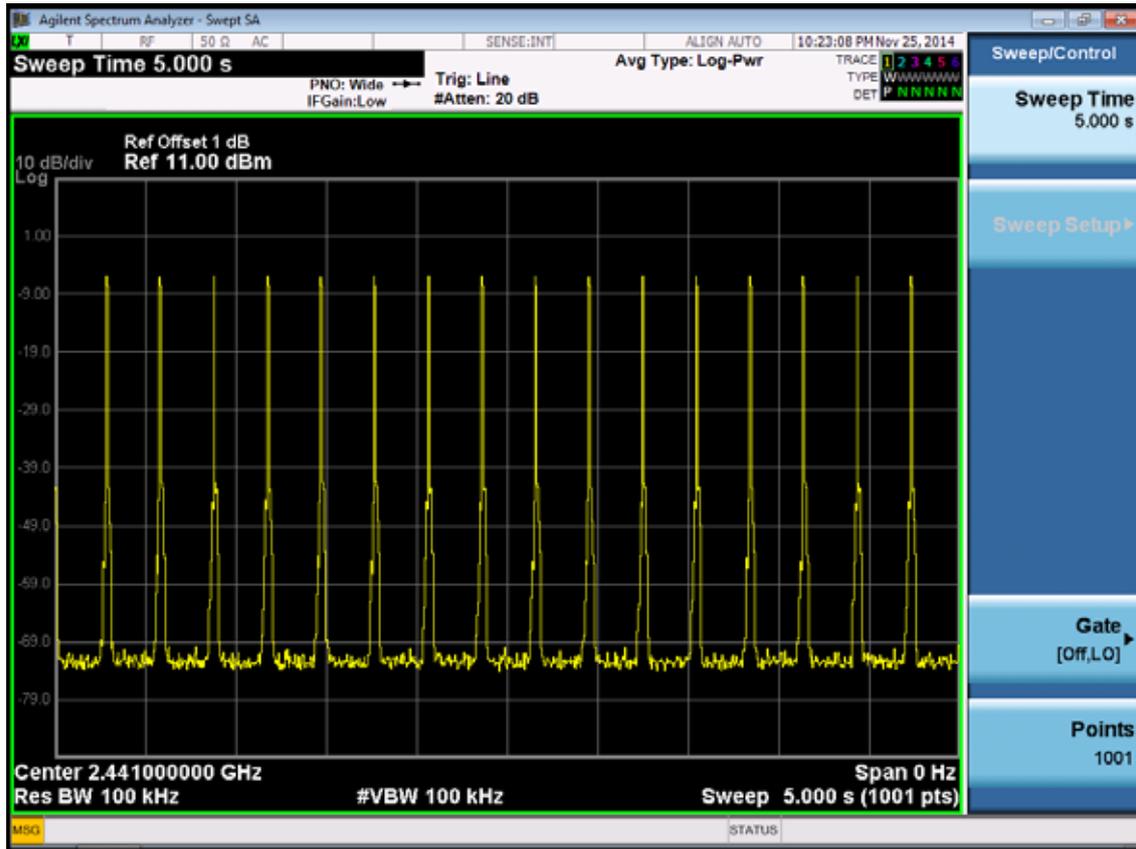
Test Mode: 8-DPSK
3DH 1



3DH 3



3DH 5



10. MAXIMUM PEAK OUTPUT POWER TEST

10.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|-------------------|--------------|-------------|------------|------------|---------------|
| 1. | Spectrum | Agilent | N9030A | MY51380221 | Oct.29, 14 | 1Year |
| 2. | Power meter | Anritsu | ML2487A | 6K00002472 | Apr. 28,14 | 1Year |
| 3. | Power sensor | Anritsu | MA2491A | 0033005 | Apr. 28,14 | 1Year |
| 4. | Attenuator (20dB) | Agilent | 8491B | MY39262165 | Apr. 28,14 | 1Year |
| 5. | RF Cable | Hubersuhner | SUCOFLEX102 | 28610/2 | Apr. 28,14 | 1Year |

10.2. Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

10.3. Test Procedure

Connected the EUT's antenna port to Power Sensor, and use power meter to test peak output power Directly.

10.4. Test Results

| EUT: Personal Audio System | | | |
|----------------------------|----------|-------------------------|--------------------------|
| M/N: ZS-RS60BT | | | |
| Test date: 2014-11-25 | | Pressure: 101.3±1.0 kpa | Humidity: 53.7±1.0% |
| Tested by: donjon_huang | | Test site: RF site | Temperature: 22.7±1.0 °C |
| | | | |
| Test Mode | CH (MHz) | Peak output Power (dBm) | Limit (dBm) |
| GFSK | 2402 | -0.217 | 30 |
| | 2441 | 2.274 | 30 |
| | 2480 | 2.551 | 30 |
| 8-DPSK | 2402 | 2.406 | 30 |
| | 2441 | 4.625 | 30 |
| | 2480 | 4.216 | 30 |
| Conclusion: PASS | | | |

11. BAND EDGE COMPLIANCE TEST

11.1. Test Equipment

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|--------------|--------------|-------------|------------|-------------|---------------|
| 1. | Amp | HP | 8449B | 3008A02495 | Apr. 28,14 | 1 Year |
| 2. | Horn Antenna | ETS | 3115 | 9510-4580 | Jun. 06, 14 | 1 Year |
| 3. | HF Cable | Hubersuhner | Sucoflex104 | 274094/4 | Apr. 28,14 | 1 Year |
| 4. | RF Cable | Hubersuhner | Sucoflex102 | 28610/2 | Apr. 28,14 | 1 Year |

11.2. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

11.3. Test Produce

For upper band emissions that are up to two bandwidths(2MHz) away (2483.5MHz to 2485.5MHz) from the band-edge use below produce:

1. Choose a spectrum analyzer span that encompasses both the peak of the fundamental emission and the band-edge emission under investigation. Set the analyzer RBW to 100KHz and with a video bandwidth 300KHz. Record the peak levels of the fundamental emission and the relevant band-edge emission, Observe the stored trace and measure the amplitude delta between the peak of the fundamental and the peak of the band-edge emission. This is not a field strength measurement, it is only a relative measurement to determine the amount by which the emission drops at the band edge relative to the highest fundamental emission level.
2. Subtract the delta measured in step (1) from the maximum field strengths measured in clause 4 .The resultant field strengths are then used to determine band-edge compliance as required by Section 15.205

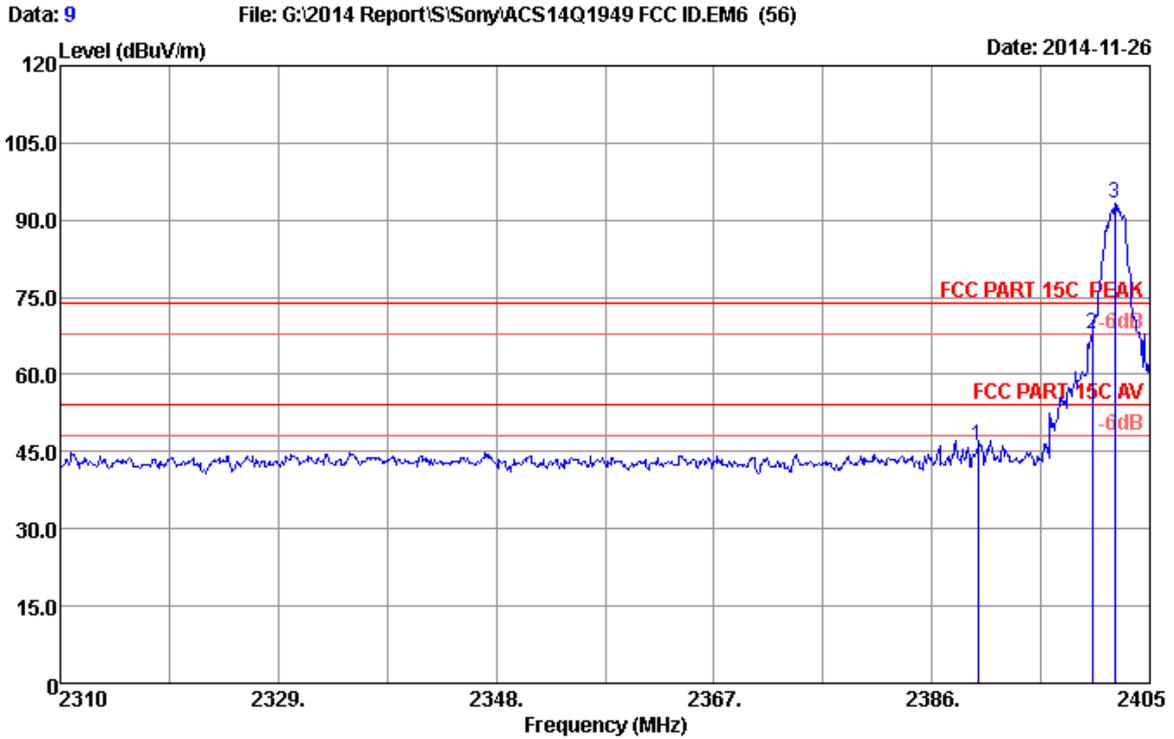
For emissions above two bandwidths away from the band-edge use below produce:

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upperband-edges of the emission:
 - (a) PEAK: RBW=1MHz ;VBW=3MHz, PK detector, Sweep=AUTO
 - (b) This is pulse Modulation device a duty cycle factor was used to calculate average level based measured peak level.

11.4. Test Results

Pass (The testing data was attached in the next pages.)

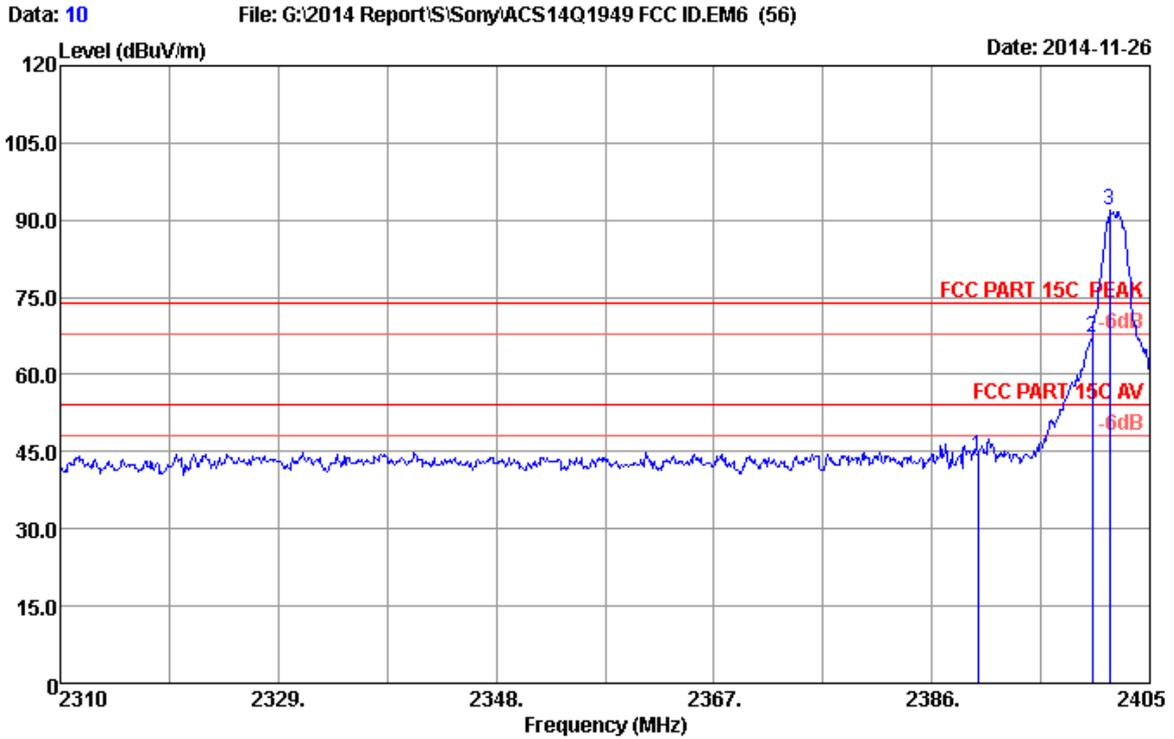
Note: If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.



Site no :3m Chamber Data No :9
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:HORIZONTAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23°C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (GFSK 2402MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.000 | 28.16 | 5.78 | 35.70 | 48.02 | 46.26 | 74.00 | 27.74 | Peak |
| 2 | 2400.000 | 28.18 | 5.80 | 35.70 | 69.47 | 67.75 | 74.00 | 6.25 | Peak |
| 3 | 2401.960 | 28.18 | 5.80 | 35.70 | 94.81 | 93.09 | 74.00 | -19.09 | Peak |

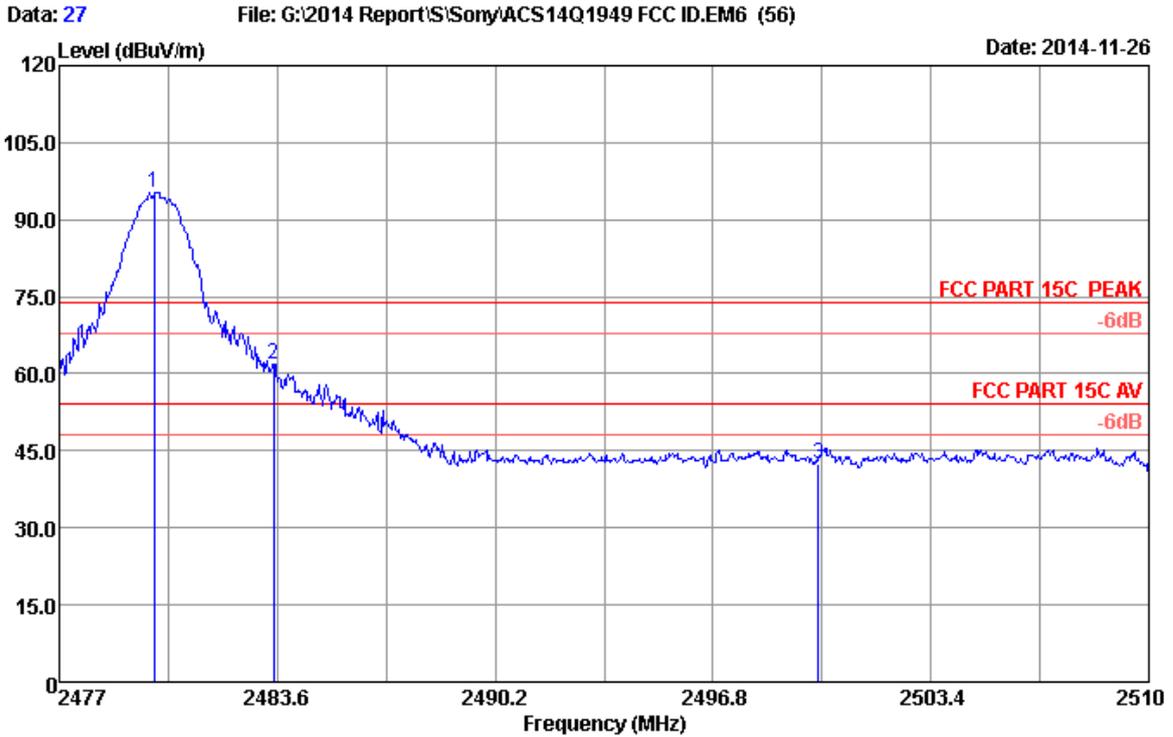
Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



Site no :3m Chamber Data No :10
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (GFSK 2402MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.000 | 28.16 | 5.78 | 35.70 | 45.74 | 43.98 | 74.00 | 30.02 | Peak |
| 2 | 2400.000 | 28.18 | 5.80 | 35.70 | 69.03 | 67.31 | 74.00 | 6.69 | Peak |
| 3 | 2401.485 | 28.18 | 5.80 | 35.70 | 93.54 | 91.82 | 74.00 | -17.82 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

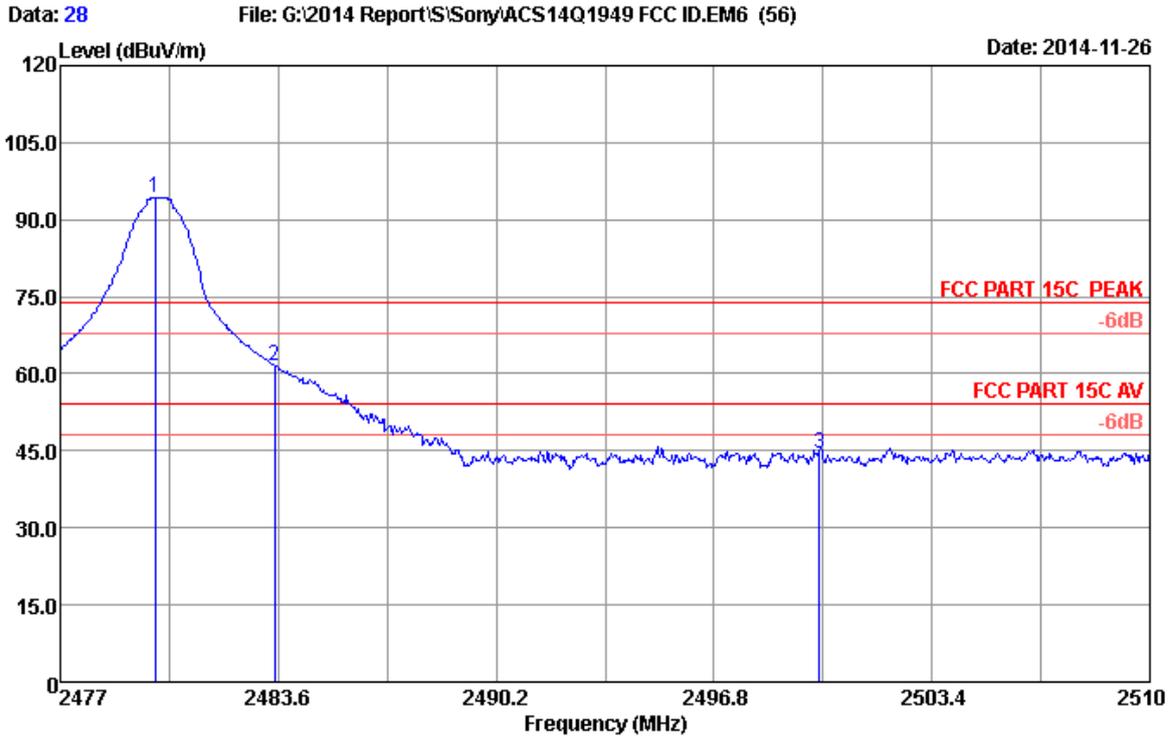


Site no :3m Chamber Data No :27
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:HORIZONTAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (GFSK 2480MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2479.871 | 28.36 | 5.91 | 35.70 | 96.85 | 95.42 | 74.00 | -21.42 | Peak |
| 2 | 2483.500 | 28.36 | 5.92 | 35.70 | 63.37 | 61.95 | 74.00 | 12.05 | Peak |
| 3 | 2500.000 | 28.40 | 5.94 | 35.70 | 43.83 | 42.47 | 74.00 | 31.53 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

| Frequency (MHz) | Peak level (dBuV/m) | Duty cycle factor (dB) | AV level (dBuV/m) | Limit(dBuV/m) | Conclusion |
|-----------------|---------------------|------------------------|-------------------|---------------|------------|
| 2483.500 | 61.95 | -30.429 | 31.521 | 54 | Pass |

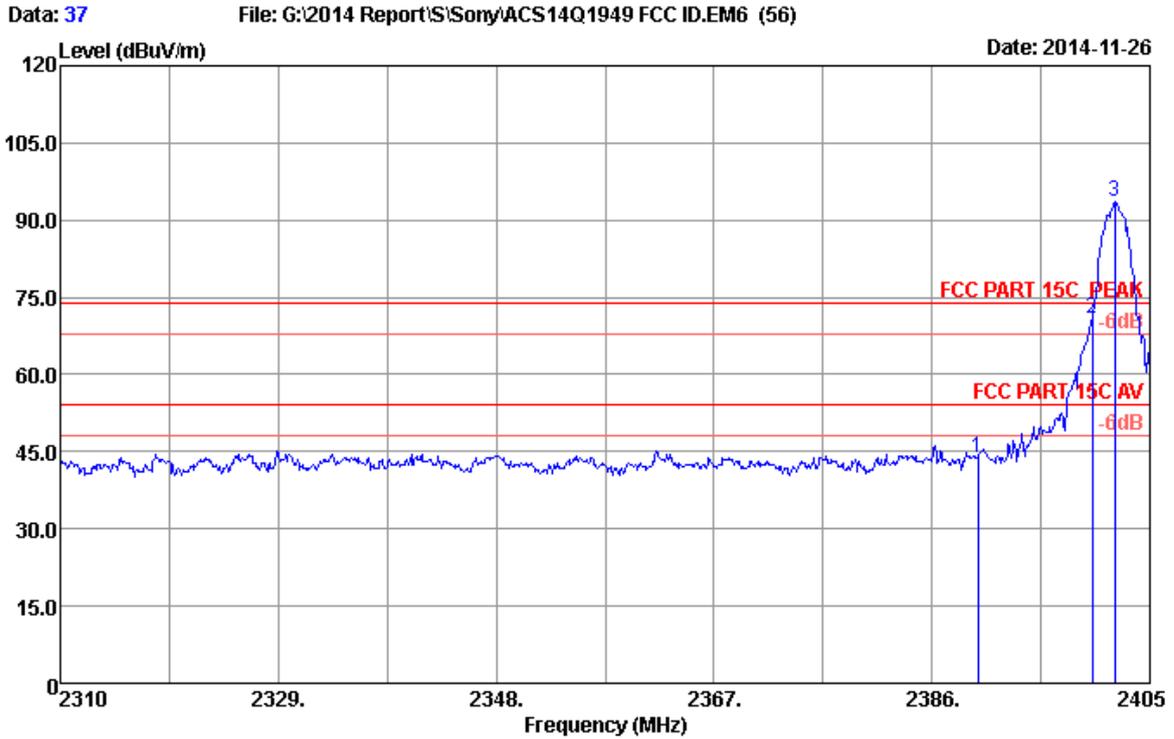


Site no :3m Chamber Data No :28
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (GFSK 2480MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2479.871 | 28.36 | 5.91 | 35.70 | 95.76 | 94.33 | 74.00 | -20.33 | Peak |
| 2 | 2483.500 | 28.36 | 5.92 | 35.70 | 62.92 | 61.50 | 74.00 | 12.50 | Peak |
| 3 | 2500.000 | 28.40 | 5.94 | 35.70 | 45.72 | 44.36 | 74.00 | 29.64 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

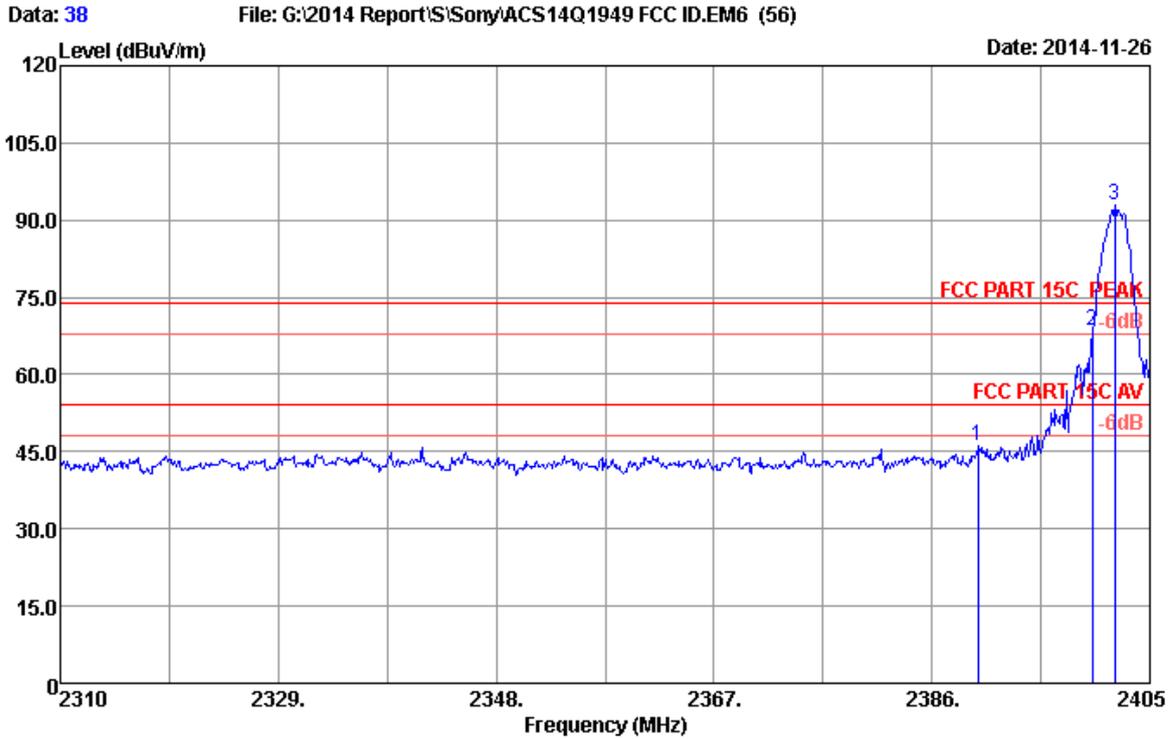
| Frequency (MHz) | Peak level (dBuV/m) | Duty cycle factor (dB) | AV level (dBuV/m) | Limit(dBuV/m) | Conclusion |
|-----------------|---------------------|------------------------|-------------------|---------------|------------|
| 2483.500 | 61.50 | -30.429 | 31.071 | 54 | Pass |



Site no :3m Chamber Data No :37
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23°C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2402MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.000 | 28.16 | 5.78 | 35.70 | 45.43 | 43.67 | 74.00 | 30.33 | Peak |
| 2 | 2400.000 | 28.18 | 5.80 | 35.70 | 72.69 | 70.97 | 74.00 | 3.03 | Peak |
| 3 | 2401.960 | 28.18 | 5.80 | 35.70 | 95.22 | 93.50 | 74.00 | -19.50 | Peak |

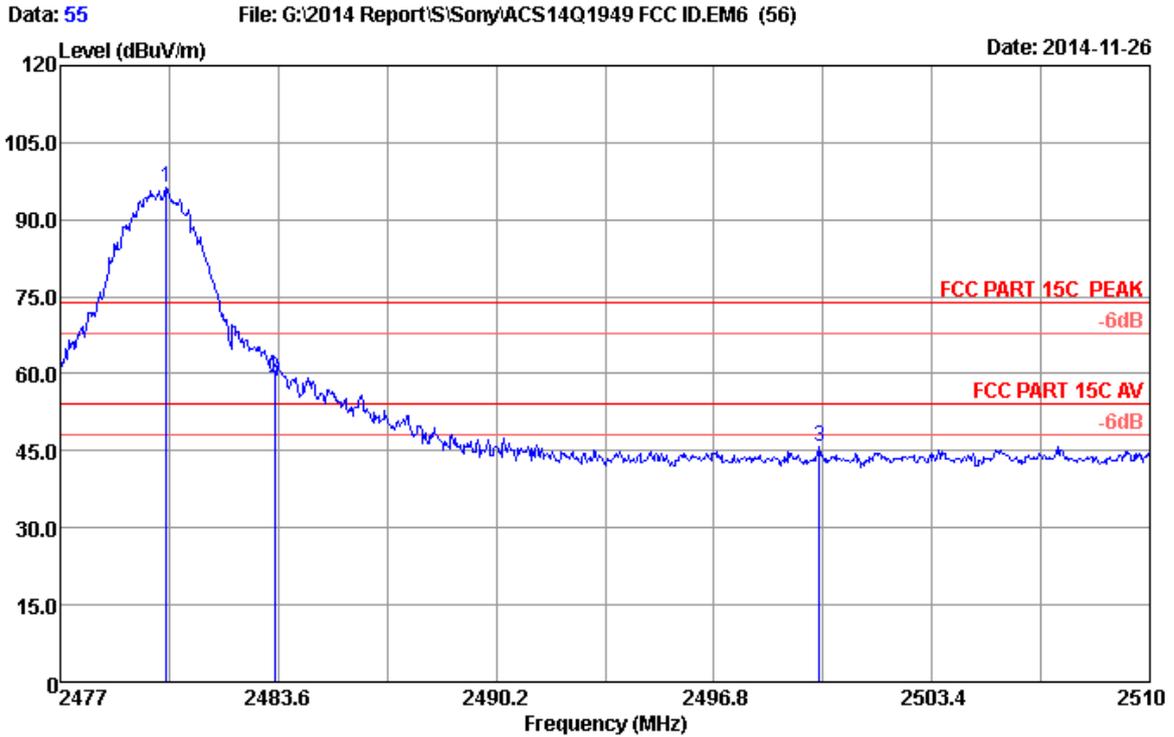
Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported



Site no :3m Chamber Data No :38
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:HORIZONTAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2402MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2390.000 | 28.16 | 5.78 | 35.70 | 47.76 | 46.00 | 74.00 | 28.00 | Peak |
| 2 | 2400.000 | 28.18 | 5.80 | 35.70 | 70.20 | 68.48 | 74.00 | 5.52 | Peak |
| 3 | 2401.960 | 28.18 | 5.80 | 35.70 | 94.54 | 92.82 | 74.00 | -18.82 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

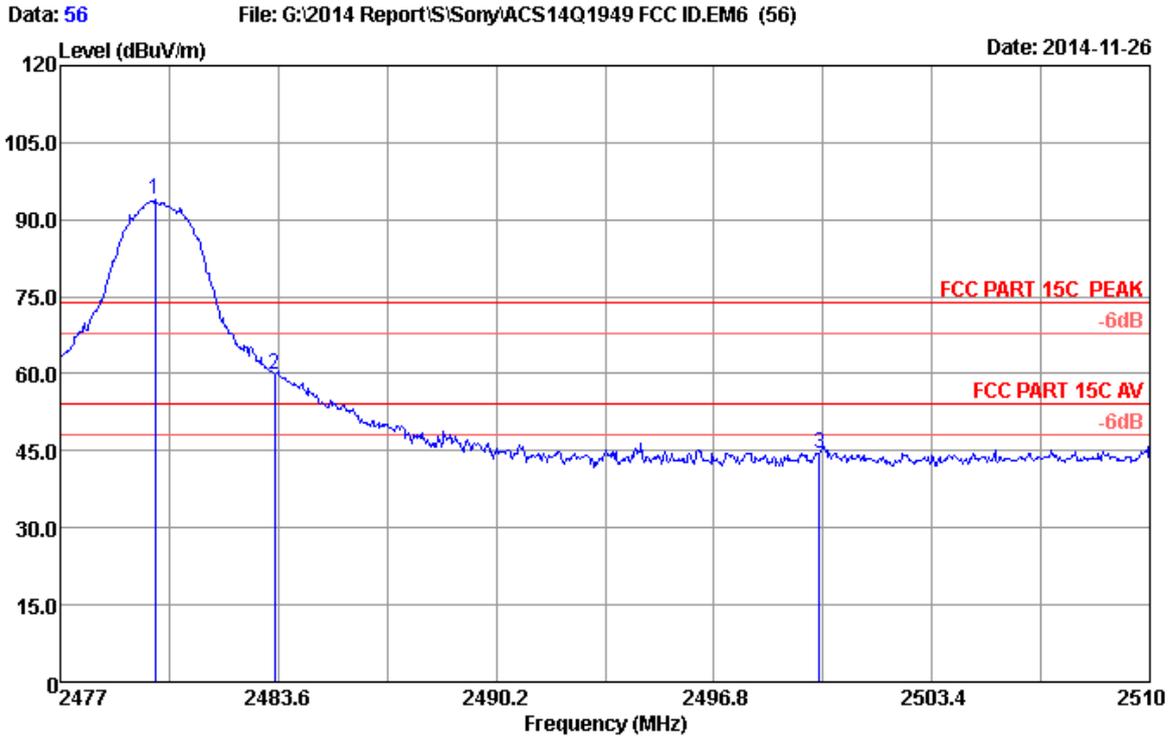


Site no :3m Chamber Data No :55
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:HORIZONTAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2480MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBuV) | Emission Level (dBuV/m) | Limits (dBuV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2480.201 | 28.36 | 5.91 | 35.70 | 97.66 | 96.23 | 74.00 | -22.23 | Peak |
| 2 | 2483.501 | 28.36 | 5.92 | 35.70 | 60.45 | 59.03 | 74.00 | 14.97 | Peak |
| 3 | 2500.000 | 28.40 | 5.94 | 35.70 | 47.24 | 45.88 | 74.00 | 28.12 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

| Frequency (MHz) | Peak level (dBuV/m) | Duty cycle factor (dB) | AV level (dBuV/m) | Limit(dBuV/m) | Conclusion |
|-----------------|---------------------|------------------------|-------------------|---------------|------------|
| 2483.501 | 59.03 | -30.429 | 28.601 | 54 | Pass |



Data: 56 File: G:\2014 Report\5\Sony\ACS14Q1949 FCC ID.EM6 (56) Date: 2014-11-26
 Site no :3m Chamber Data No :56
 Dis./Lisn :3m 2014 3115 (4580) LISN phase:VERTICAL
 Limit :FCC PART 15C PEAK
 Env./Ins. :23*C/54% Engineer :Kobe_Huang
 EUT :Personal Audio System
 Power Rating :AC 120V/60Hz
 Test Mode :Tx Mode (8-DPSK 2480MHz)
 ZS-RS60BT

| No | Freq (MHz) | ANT Factor (dB/m) | Cable Loss (dB) | AMP Factor (dB) | Reading (dBUV) | Emission Level (dBUV/m) | Limits (dBUV/m) | Margin (dB) | Remark |
|----|------------|-------------------|-----------------|-----------------|----------------|-------------------------|-----------------|-------------|--------|
| 1 | 2479.871 | 28.36 | 5.91 | 35.70 | 95.28 | 93.85 | 74.00 | -19.85 | Peak |
| 2 | 2483.500 | 28.36 | 5.92 | 35.70 | 61.40 | 59.98 | 74.00 | 14.02 | Peak |
| 3 | 2500.000 | 28.40 | 5.94 | 35.70 | 45.96 | 44.60 | 74.00 | 29.40 | Peak |

Remarks: 1.Emission Level=Antenna Factor+Cable Loss+Reading-Amp factor.
 2.The emission Levels that are 20db below the official limit are not reported

| Frequency (MHz) | Peak level (dBUV/m) | Duty cycle factor (dB) | AV level (dBUV/m) | Limit(dBUV/m) | Conclusion |
|-----------------|---------------------|------------------------|-------------------|---------------|------------|
| 2483.500 | 59.98 | -30.429 | 29.551 | 54 | Pass |

12.DEVIATION TO TEST SPECIFICATIONS

[NONE]