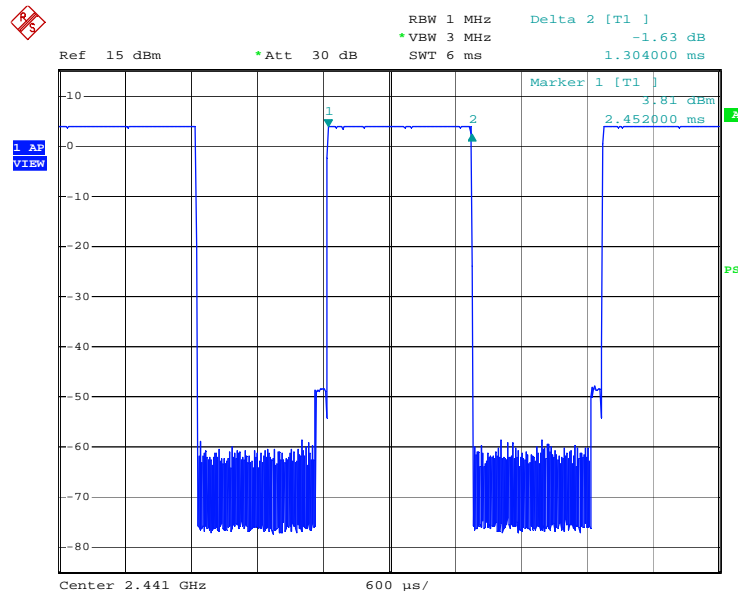
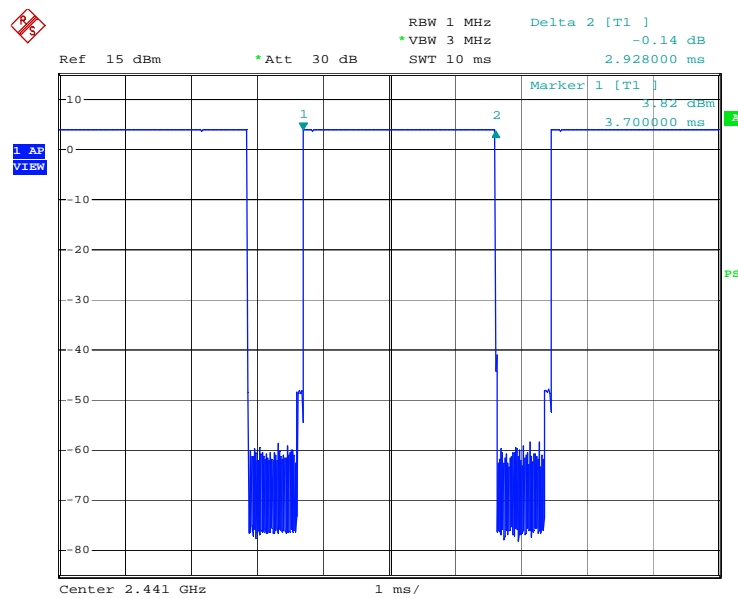
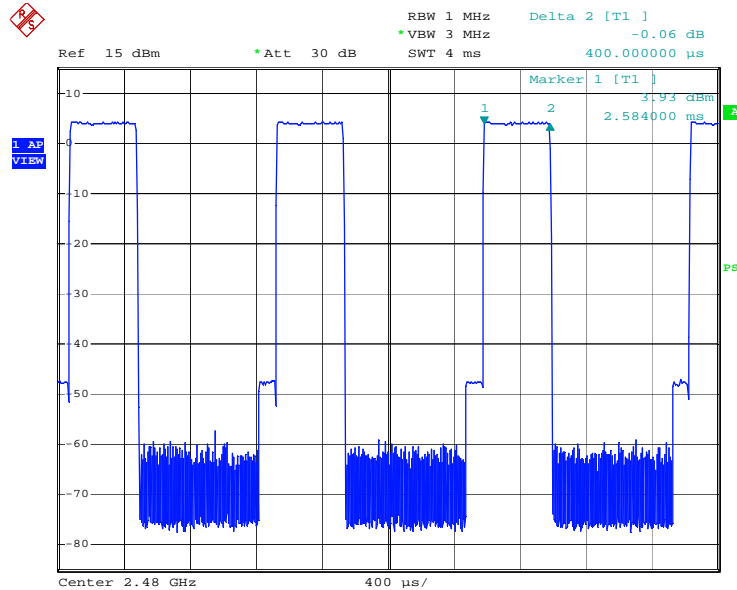


Middle Channel- DH3


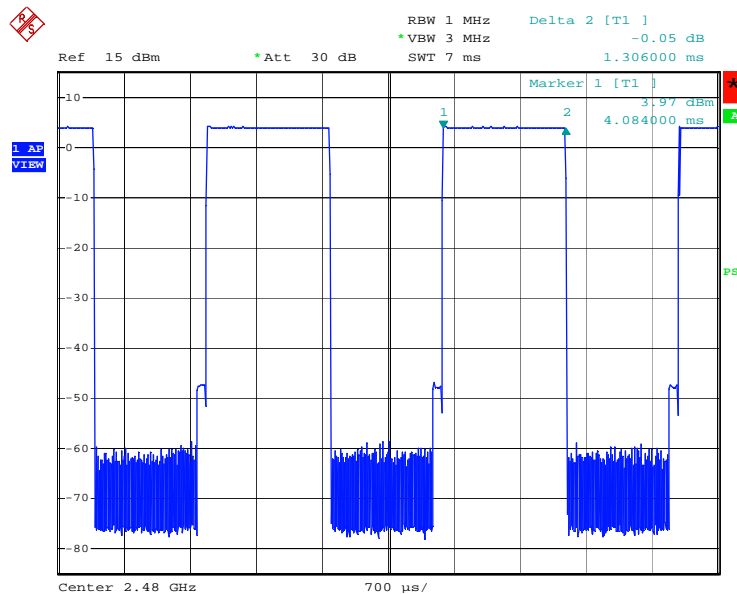
Date: 24.JUL.2009 16:07:59

Middle Channel- DH5


Date: 24.JUL.2009 16:07:01

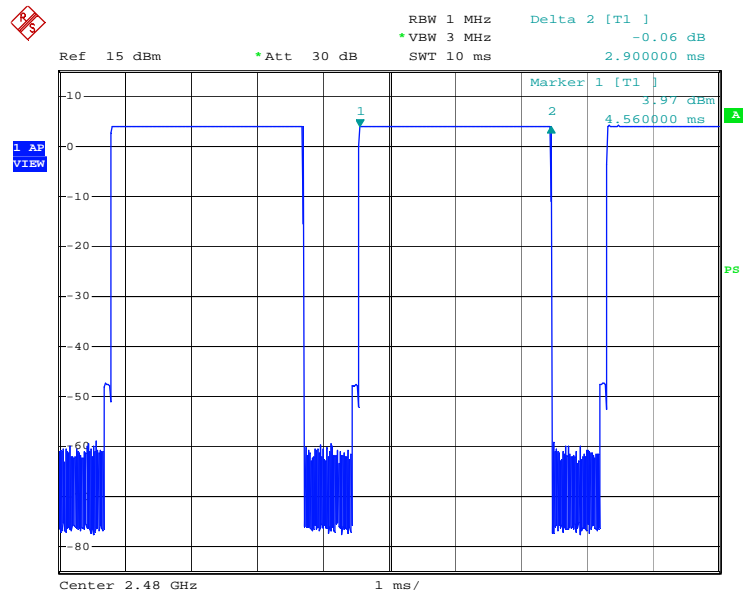
High Channel- DH1


Date: 24.JUL.2009 16:14:17

High Channel- DH3


Date: 24.JUL.2009 16:13:21

High Channel- DH5



Date: 24.JUL.2009 16:12:23

5.1.9 Peak Power Density

RESULT:**Passed**

Date of testing : 2009-07-24
Test standard : FCC part 15.247(e)
Basic standard : ANSI C63.4: 2003
Limits : 8.0 dBm (in any 3kHz band)
Kind of test site : Shield room

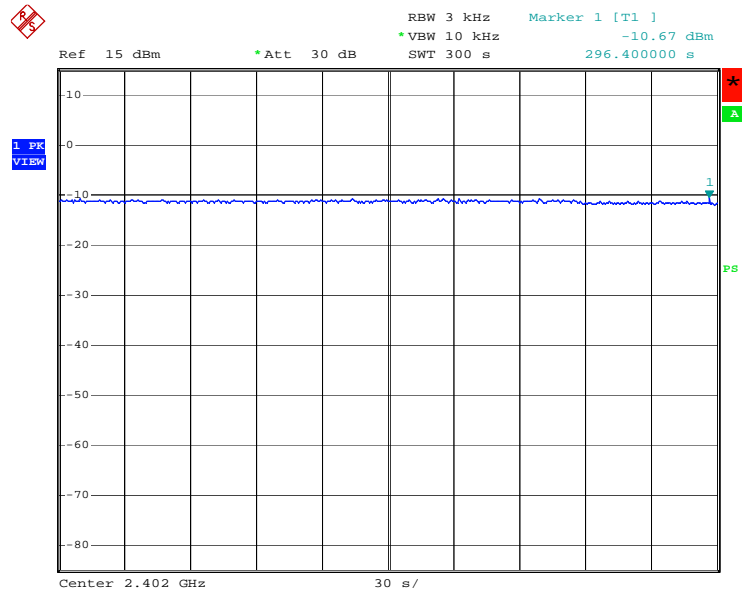
Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A
Ambient temperature : 24°C
Relative humidity : 53%
Atmospheric pressure : 101 kPa

Table 10: Test result of Peak Power Density

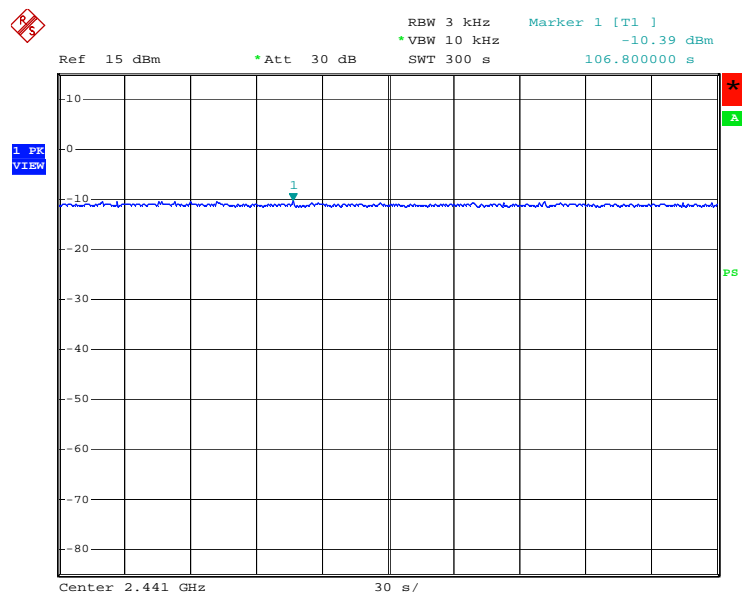
Channel	Channel Frequency (MHz)	Reading Power (dBm)	Limit (dBm)	Result
Low Channel	2402	-10.67	8	Pass
Mid Channel	2441	-10.39	8	Pass
High Channel	2480	-10.43	8	Pass

Test Plot of Peak Power Density Low Channel



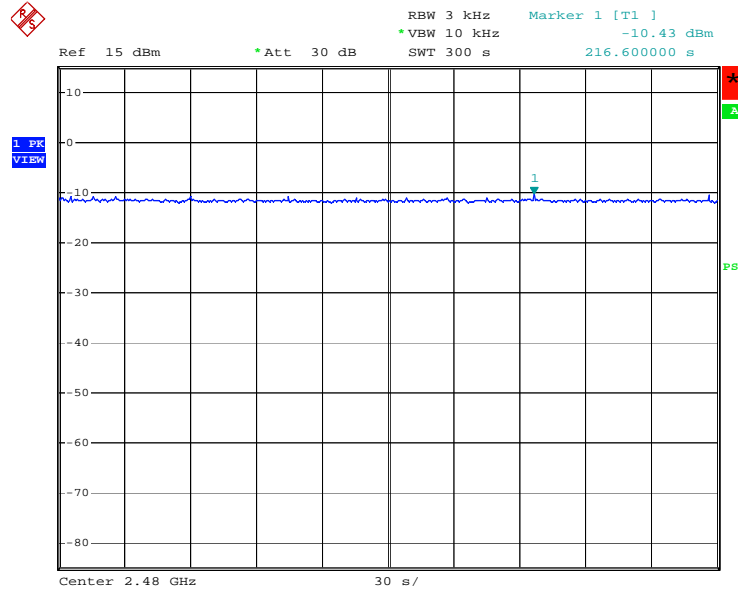
Date: 24.JUL.2009 15:11:52

Middle Channel



Date: 24.JUL.2009 14:59:53

High Channel



Date: 24.JUL.2009 15:05:58

5.1.10 Conducted emissions

RESULT:**Passed**

Date of testing	:	2009-07-31
Test standard	:	FCC Part 15.107(a), FCC Part 15.207(a) RSS Gen Clause 7.2.2
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a), FCC Part 15.207(a) Table 2 of RSS Gen
Kind of test site	:	Shield room

Test setup

Input Voltage (of PC)	:	AC 120V, 60Hz
Operation Mode	:	D
Earthing	:	Connected
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101 kPa

For details refer to following test curves.

Test Plot of Conducted emissions

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

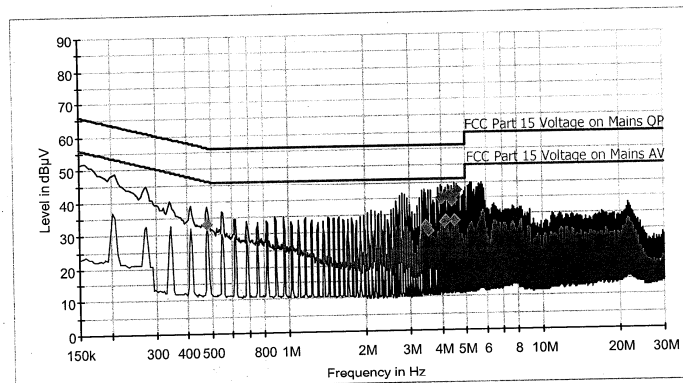
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Nantai Electronic (Shenzhen) Co., Ltd.		
Test Item:	Bluetooth Headset		
Identification:	SCVCD		
Test Standard:	FCC Part 15		
Test Detail:	Conducted Emission		
Operation Mode:	D		
Climate Condition:	23°C;	50%RH;	101kPa.
Test Voltage/ Freq.:	120V/	60Hz	
Port / Line:	AC Mains		
Receipt No.:	163052345 300		
Report No.:	17013167 001		
Result:	Pass		
Comment:			

Hardware Setup:	1phase LISN ESH3-Z5 to ESCS30
Level Unit:	dB μ V

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCS 30



7/29/2009, 3:27:45 PM

Tested by:



Reviewed by:



TÜV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Line
0.478500	33.0	1000.000	9.000	L1
3.493500	31.4	1000.000	9.000	L1
3.561000	30.0	1000.000	9.000	L1
4.110000	32.9	1000.000	9.000	L1
4.177500	33.2	1000.000	9.000	L1
4.519500	33.1	1000.000	9.000	L1

(continuation of the "Final Measurement Detector 2" table from column 6 ...)

Frequency (MHz)	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.478500	10.1	13.4	46.4	
3.493500	10.5	14.6	46.0	
3.561000	10.5	16.0	46.0	
4.110000	10.5	13.1	46.0	
4.177500	10.5	12.8	46.0	
4.519500	10.5	12.9	46.0	

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Line
3.970500	39.9	1000.000	9.000	N
4.038000	40.1	1000.000	9.000	N
4.245000	40.5	1000.000	9.000	N
4.384500	39.2	1000.000	9.000	L1
4.519500	40.9	1000.000	9.000	L1
4.587000	42.1	1000.000	9.000	N

(continuation of the "Final Measurement Detector 1" table from column 6 ...)

Frequency (MHz)	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
3.970500	10.2	16.1	56.0	
4.038000	10.2	15.9	56.0	
4.245000	10.4	15.5	56.0	
4.384500	10.5	16.8	56.0	
4.519500	10.5	15.1	56.0	
4.587000	10.2	13.9	56.0	

7/29/2009, 3:27:45 PM

Tested by:



Reviewed by:



5.1.11 Radiated emissions

RESULT:**Passed**

Date of testing	:	2009-07-31
Test standard	:	FCC Part 15.109 RSS-210 Clause 2.6
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	30 – 2000MHz FCC Part 15.109(a) RSS-210 Table 2
Kind of test site	:	3m Semi-Anechoic Chamber

Test Setup

Test Channel	:	Low/ High
Input Voltage	:	DC 3.7V
Operation Mode	:	A, D
Earthing	:	Connected
Ambient temperature	:	23°C
Relative humidity	:	50%
Atmospheric pressure	:	101 kPa

For details refer to following test curves.

Test Plot of Radiated emissions, Vertical, Mode D

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

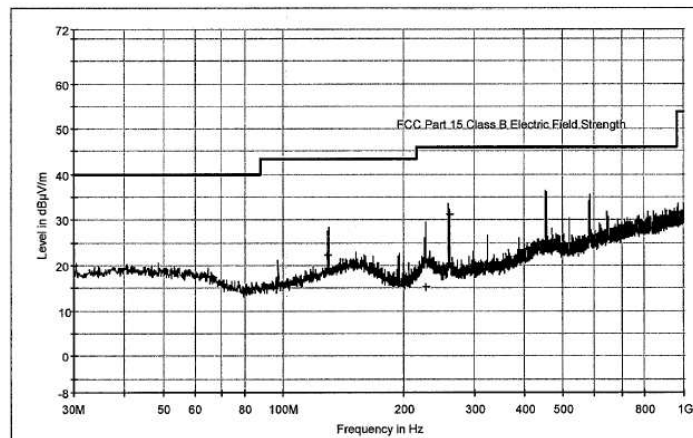
EMC Test Record (EMISSION)

Test Information

Manufacturer: Namtai Electronic(Shenzhen) Co., Ltd
 Test Item: Bluetooth Headset
 Identification: SCVCD
 Test Standard: FCC Part 15
 Test Detail: Radiated Emission
 Operation Mode: D
 Climate Condition: 22°C; 52%RH; 101 kPa.
 Test Voltage / Freq.: DC5V
 Receipt No.: 163052345 200
 Report No.: 17013186 001
 Result: Pass
 Comment: /

Subrange 1

Frequency Range: 30MHz - 1GHz
 Receiver: TUV ESCI 3
 Transducer: TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µV/m)	Corr. (dB)	Margin (dB)	Limit (dB µV/m)	Polarity
129.400000	22.2	14.2	21.3	43.5	V
227.250000	15.3	12.9	30.7	46.0	V
259.750000	31.4	13.7	14.6	46.0	V
453.300000	23.8	18.8	22.2	46.0	V

Date: 8/24/2009 - Time: 2:54:58 PM

Tested by: _____ Reviewed by: _____



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

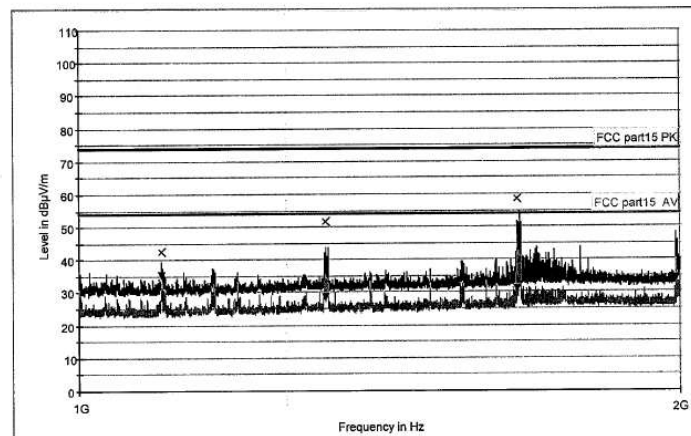
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Nantai Electronic(Shenzhen) Co., Ltd		
Test Item:	Bluetooth Headset		
Identification	SCVCD		
Test Standard:	FCC Part 15		
Test Detail:	Radiated Emission		
Operation Mode:	D		
Climate Condition:	22°C;	52%RH;	101 kPa.
Test Voltage / Freq. :	DC5V		
Receipt No.:	163052345 200		
Report No.	17013186 001		
Result:	Pass		
Comment:	/		

Subrange 1

Frequency Range:	1GHz - 2GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 8/24/2009 - Time: 1:47:50 PM

Tested by:

Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1100.000000	42.5	-14.8	31.5	74.0	V
1329.000000	51.7	-14.1	22.3	74.0	V
1660.000000	58.2	-12.7	15.8	74.0	V
1992.000000	57.0	-10.9	17.0	74.0	V

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1100.000000	35.3	-14.8	18.7	54.0	V
1329.000000	28.6	-14.1	25.4	54.0	V
1660.000000	31.1	-12.7	22.9	54.0	V
1992.000000	34.1	-10.9	19.9	54.0	V

Date: 8/24/2009 - Time: 1:47:50 PM

Tested by: _____

Reviewed by: _____



Test Plot of Radiated emissions, Horizontal, Mode D

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

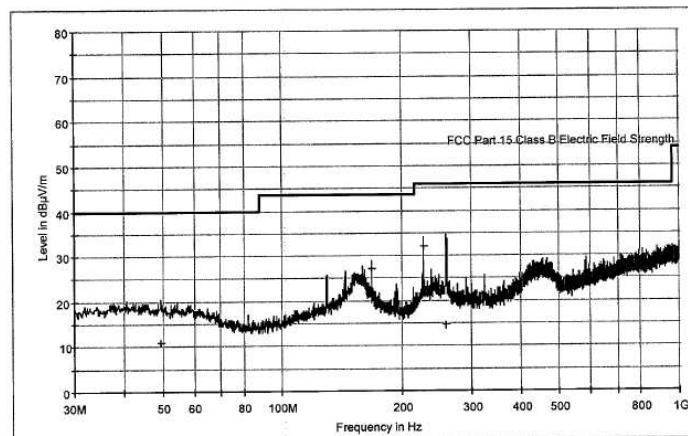
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Nantai Electronic(Shenzhen) Co., Ltd		
Test Item:	Bluetooth Headset		
Identification	SCVCD		
Test Standard:	FCC Part 15		
Test Detail:	Radiated Emission		
Operation Mode:	D		
Climate Condition:	22°C;	52%RH;	101 kPa.
Test Voltage / Freq. :	DC5V		
Receipt No.:	163052345 200		
Report No.	17013186 001		
Result:	Pass		
Comment:	/		

Subrange 1

Frequency Range:	30MHz - 1GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC UVLB 9168 / TUV ESCI3 -TUV SAC UVLB 9168



Limit and Margin QP

Frequency (MHz)	QuasiPeak (dB µV/m)	Corr (dB)	Margin (dB)	Limit (dB µV/m)	Polarity
49.500000	10.9	14.3	29.1	40.0	H
168.000000	27.3	14.9	16.2	43.5	H
227.400000	32.2	14.1	13.8	46.0	H
258.800000	14.8	13.7	31.2	46.0	H
584.500000	24.0	21.2	22.0	46.0	H

Date: 8/21/2009 - Time: 3:07:53 PM

Tested by:



Reviewed by:



TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

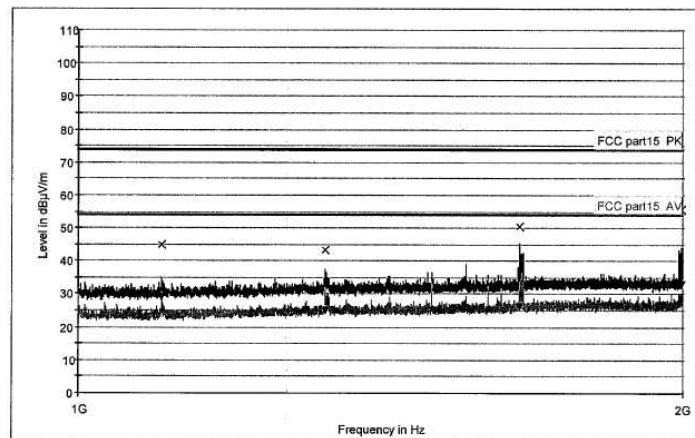
EMC Test Record (EMISSION)

Test Information



Manufacturer:	Nantai Electronic(Shenzhen) Co., Ltd		
Test Item:	Bluetooth Headset		
Identification	SCVCD		
Test Standard:	FCC Part 15		
Test Detail:	Radiated Emission		
Operation Mode:	D		
Climate Condition:	22°C;	52%RH;	101 kPa.
Test Voltage / Freq. :	DC5V		
Receipt No.:	163052345 200		
Report No.	17013186 001		
Result:	Pass		
Comment:	/		

Subrange 1

Frequency Range:	1GHz - 2GHz
Receiver:	TUV FSP 30
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 8/24/2009 - Time: 1:45:30 PM

Tested by:  Reviewed by: 

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Corr (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1100.000000	44.7	-14.8	29.3	74.0	H
1328.000000	43.4	-14.1	30.6	74.0	H
1659.000000	50.4	-12.7	23.6	74.0	H
1997.500000	55.6	-10.9	18.4	74.0	H

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Corr (dB)	Margin (dB)	Limit (dBµV/m)	Polarity
1100.000000	29.1	-14.8	24.9	54.0	H
1328.000000	25.1	-14.1	28.9	54.0	H
1659.000000	26.2	-12.7	27.8	54.0	H
1997.500000	32.9	-10.9	21.1	54.0	H

Date: 8/24/2009 - Time: 1:45:30 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions in restricted bands, Horizontal, Mode A.1

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

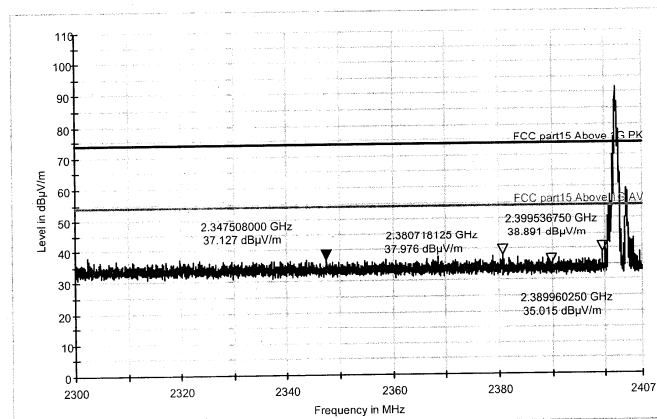
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Namtai Electronic (Shenzhen) Co., Ltd.
Test Item:	Bluetooth Headset
Identification:	SCVCD
Test Standard:	FCC Part 15
Test Detail:	Restrict Band
Operation Mode:	A.1
Climate Condition:	23°C; 55%RH; 101kPa.
Test Voltage / Freq.:	Build-in battery
Receipt No.:	163052345 300
Report No.:	17013167 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	2.475GHz – 2.500GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 7/29/2009 - Time: 4:52:49 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions in restricted bands, Vertical, Mode A.1

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

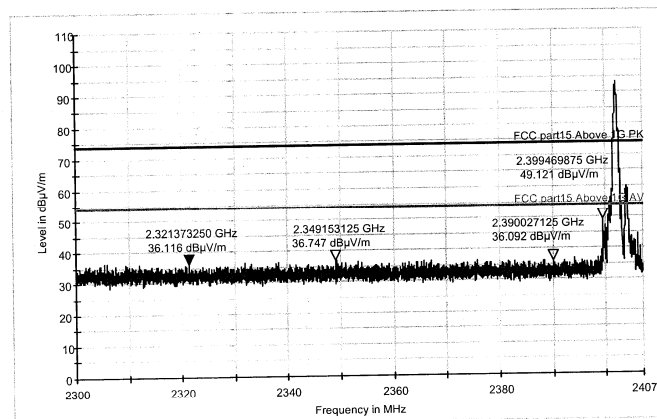
E EMC Test Record (EMISSION)

Test Information

Manufacturer:	Namtai Electronic (Shenzhen) Co., Ltd.
Test Item:	Bluetooth Headset
Identification	SCVCD
Test Standard:	FCC Part 15
Test Detail:	Restrict Band
Operation Mode:	A.1
Climate Condition:	23°C; 55%RH; 101kPa.
Test Voltage / Freq. :	Build-in battery
Receipt No.:	163052345 300
Report No.	17013167 001
Result:	Pass
Comment:	Vertical

Subrange 1

Frequency Range:	2.475GHz – 2.500GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 7/29/2009 - Time: 4:54:55 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions in restricted bands, Horizontal, Mode A.3

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

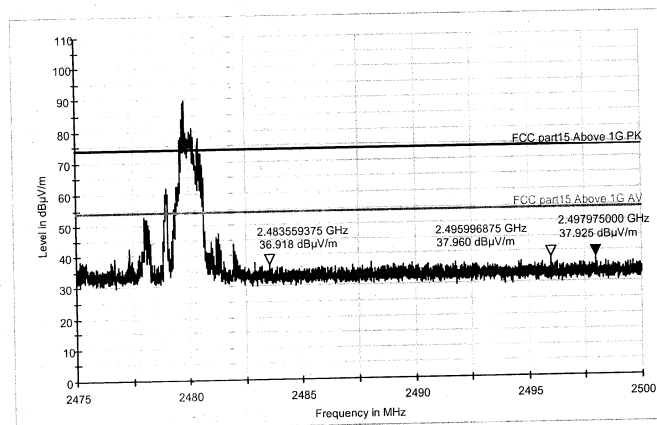
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Nantai Electronic (Shenzhen) Co., Ltd.
Test Item:	Bluetooth Headset
Identification:	SCVCD
Test Standard:	FCC Part 15
Test Detail:	Restrict Band
Operation Mode:	A.3
Climate Condition:	23°C; 55%RH; 101kPa.
Test Voltage / Freq.:	Build-in battery
Receipt No.:	163052345 300
Report No.:	17013167 001
Result:	Pass
Comment:	Horizontal

Subrange 1

Frequency Range:	2.475GHz – 2.500GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 7/29/2009 - Time: 4:47:46 PM

Tested by:



Reviewed by:



Test Plot of Radiated emissions in restricted bands, Vertical, Mode A.3

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

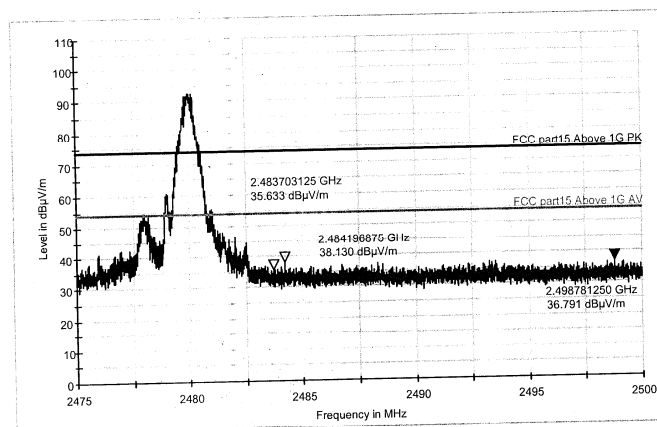
EMC Test Record (EMISSION)

Test Information

Manufacturer:	Namtai Electronic (Shenzhen) Co., Ltd.		
Test Item:	Bluetooth Headset		
Identification	SCVCD		
Test Standard:	FCC Part 15		
Test Detail:	Restrict Band		
Operation Mode:	A.3		
Climate Condition:	23°C;	55%RH;	101kPa.
Test Voltage / Freq. :	Build-in battery		
Receipt No.:	163052345 300		
Report No.:	17013167 001		
Result:	Pass		
Comment:	Vertical		

Subrange 1

Frequency Range:	2.475GHz – 2.500GHz
Receiver:	TUV ESCI 3
Transducer:	TUV SAC HF906 / TUV FSP 30-TUV SAC HF906



Date: 7/29/2009 - Time: 4:45:20 PM

Tested by:

Reviewed by:



6. Photographs of the Test Set-Up

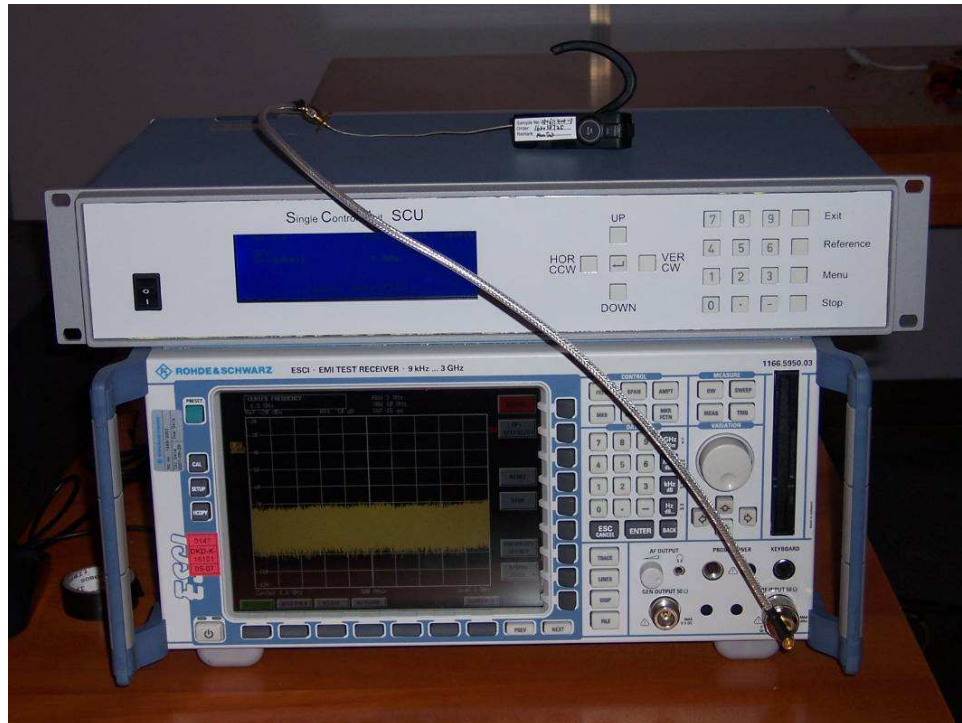
Photograph 1: Set-up for Conducted Emissions



Photograph 2: Set-up for Radiated Emissions



Photograph 3: Set-up for Transmitter test



Photograph 4: Set-up for Spurious Emissions (30MHz-1GHz)



Photograph 5: Set-up for Spurious Emissions (1GHz-18GHz)



Photograph 6: Set-up for Spurious Emissions (18GHz-26GHz)



7. List of Tables

Table 1: List of Test and Measurement Equipment	5
Table 2: Rating of EUT	7
Table 3: Technical Specification of EUT	7
Table 4: Frequency hopping information	8
Table 5: Test result of Peak Output Power	14
Table 6: Test result of 20dB Bandwidth	17
Table 7: Test result of Frequency Separation	63
Table 8: Test result of Number of hopping frequency	66
Table 9: Test result of Time of Occupancy	68
Table 10: Test result of Peak Power Density	74

8. List of Photographs

Photograph 1: Set-up for Conducted Emissions	91
Photograph 2: Set-up for Radiated Emissions	91
Photograph 3: Set-up for Transmitter test	92
Photograph 4: Set-up for Spurious Emissions (30MHz-1GHz)	92
Photograph 5: Set-up for Spurious Emissions (1GHz-18GHz)	93
Photograph 6: Set-up for Spurious Emissions (18GHz-26GHz)	93