



FCC VERIFICATION TEST REPORT

for

2.4GHz Digital Headphone

Model: DHP380, DHP380A

Marketing Name: ADH300

Brand: ARKON

Test Report Number:

C170526Z02-F

Issued for:

ARKON ELECTRONICS(HUIZHOU)CO.,LIMITED
NO.4 Taihao Road,High-tech Industrial Park,Sandong Town,Huicheng
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Issued Date: June 20, 2017



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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	June 20, 2017	Initial Issue	ALL	Sinphy Xie



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1 TEST RESULT CERTIFICATION

Product	2.4GHz Digital Headphone
Model	DHP380, DHP380A
Marketing Name	ADH300
Brand	ARKON
Applicant	ARKON ELECTRONICS(HUIZHOU)CO.,LIMITED NO.4 Taihao Road,High-tech Industrial Park,Sandong Town,Huicheng District,Huizhou,Guangdong,China
Manufacture	ARKON ELECTRONICS(HUIZHOU)CO.,LIMITED NO.4 Taihao Road,High-tech Industrial Park,Sandong Town,Huicheng District,Huizhou,Guangdong,China
Tested	April 5~10, 2017
Test Voltage	AC120V/60Hz

EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B ANSI C63.4:2014	Conducted (Main Port)	PASS	Meet Class B limit
	Radiated	PASS	Meet Class B limit

Note: 1. The statements of test result on the above are decided by the request of test standard only; the measurement uncertainties are not factored into this compliance determination.
2. The information of measurement uncertainty is available upon the customer's request.

Deviation from Applicable Standard
None

The above equipment has been tested by Compliance Certification Services (Shenzhen) Inc., and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Approved by:

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Supervisor of Report Dept.
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2 EUT DESCRIPTION

Product	2.4GHz Digital Headphone
Model	DHP380, DHP380A
Marketing Name	ADH300
Brand	ARKON
Applicant	ARKON ELECTRONICS(HUIZHOU)CO.,LIMITED
Housing material	Plastic + Metal
EUT Type	<input type="checkbox"/> Engineering Sample, <input checked="" type="checkbox"/> Product Sample, <input type="checkbox"/> Mass Product Sample.
Identify Number	C170526Z02 -F
Received Date	May 26, 2017
EUT Power Rating	2.4V DC, 2X1.2V DC 700mAh rechargeable battery
Battery 1 specification	Manufacturer: SHENZHEN FBTECH CO.,LTD AAA/HR03 2X1.2V DC 700mAh Ni-MH
Battery 2 specification	Manufacturer: Shenzhen Highpower Technology Co., Ltd 2.4V DC, 2X1.2V DC Ni-MH 700mAh AAA rechargeable battery
EUT Max. Operating Frequency	2.4GHz

I/O PORT

I/O PORT TYPE	Q'TY	TESTED WITH
1.Audio In Port	1	IPOD
2. DC In Port	1	Adapter

MODEL DIFFERENCES

MODEL NAME	DIFFERENCE	TESTED (CHECKED)
DHP380	DHP380 is identical with DHP380A, the only difference lies in the colour, therefore, full test was applied on DHP380, another model deem to fulfil the EMC requirement without further testing.	<input checked="" type="checkbox"/>
DHP380A		<input type="checkbox"/>



3 TEST METHODOLOGY

3.1. DECISION OF FINAL TEST MODE

The EUT was tested together with the above additional components, and a configuration, which produced the worst emission levels, was selected and recorded in this report.

Pre-Test Mode		
Emission	Conducted Emission	Mode 1: Charge(Adapter 1) Mode 2: Play music(Adapter 1)
	Radiated Emission (Below 1GHz)	Mode 1: Charge(Adapter 1) Mode 2: Play music(Adapter 1)
	Radiated Emission (Above 1GHz)	Mode 1: Charge(Adapter 1) Mode 2: Play music(Adapter 1)

After the preliminary scan, the following test mode was found to produce the highest emission level.

Final Test Mode		
Emission	Conducted Emission	Mode 2
	Radiated Emission (Below 1GHz)	Mode 2
	Radiated Emission (Above 1GHz)	Mode 2

Then, the above highest emission mode of the configuration of the EUT and cable was chosen for all final test items.

3.2. EUT SYSTEM OPERATION

1. Connect EUT with IPOD through audio cable, and turn on the EUT to play music;
2. Make sure the EUT work normally during the test.



4 SETUP OF EQUIPMENT UNDER TEST

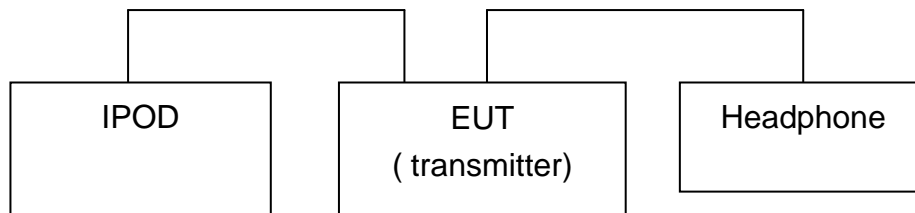
4.1. DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

No.	Equipment	Model No.	Serial No.	FCC ID	Brand	Data Cable	Power Cord
1	IPOD	A1285	YM91546Y3 QY	N/A	APPLE	Unshielded 2.00m	N/A

Note: Grounding was established in accordance with the manufacturer’s requirements and conditions for the intended use.

4.2. CONFIGURATION OF SYSTEM UNDER TEST





5 FACILITIES AND ACCREDITATIONS

5.1. FACILITIES

All measurement facilities used to collect the measurement data are located at **No.10-1, Mingkeda Logistics Park, No.18, Huanguan South Rd.,Guan Lan Town, Baoan District, Shenzhen, China**

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR 22. All receiving equipment conforms to CISPR 16-1-1, CISPR 16-1-2, CISPR 16-1-3, CISPR 16-1-4, CISPR 16-1-5.

5.2. ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

China	CNAS
USA	A2LA

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada	Industry Canada
Japan	VCCI(C-4815, R-4320, T-2317, G-10624)
USA	FCC

Copies of granted accreditation certificates are available for downloading from our web site, <http://www.ccssz.com>

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement		Frequency	Uncertainty
Conducted Emissions		9kHz~30MHz	+/-3.2886dB
Radiated Emission (10m)	Test Site : 10m Chamber (Vertical)	30 MHz ~200 MHz	+/-3.8929dB
		200 MHz ~1000 MHz	+/-3.8922dB
	Test Site : 10m Chamber (Horizontal)	30 MHz ~200 MHz	+/-3.9002dB
		200 MHz ~1000 MHz	+/-3.9037dB
Radiated emissions(3m)	Test Site : 966(2)	30 MHz ~200 MHz	+/-3.8925dB
		200 MHz ~1000 MHz	+/-3.8750dB
		1GHz ~8GHz	+/-5.3115dB
		8GHz~18GHz	+/-5.3496dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard determining compliance with the limits shall be base on the results of the compliance measurement. Consequently the measure emissions being less than the maximum allowed emission result in this be a compliant test or passing test.

The acceptable measurement uncertainty value without requiring revision of the compliance statement is base on conducted and radiated emissions being less than U_{CISPR} which is 3.6dB and 5.2dB respectively. CCS values (called U_{Lab} in CISPR 16-4-2) is less than U_{CISPR} as shown in the table above. Therefore, MU need not be considered for compliance.



6 CONDUCTED EMISSION MEASUREMENT

6.1. LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

NOTE:

- (1) The lower limit shall apply at the transition frequencies.
- (2) The limit decreases in line with the logarithm of the frequency in the range 0.15 to 0.50 MHz.
- (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

6.2. TEST INSTRUMENTS

Conducted Emission Test Site					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI TEST RECEIVER	ROHDE&SCHWARZ	ESCI	100783	02/11/2017	02/10/2018
LISN(EUT)	ROHDE&SCHWARZ	ENV216	101543	02/11/2017	02/10/2018
LISN	EMCO	3825/2	8901-1459	02/12/2017	02/11/2018
Temp. / Humidity Meter	VICTOR	HTC-1	N/A	02/15/2017	02/14/2018
Test S/W	FARAD	EZ-EMC/ CCS-3A1-CE			

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. N.C.R = No Calibration Request.



6.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

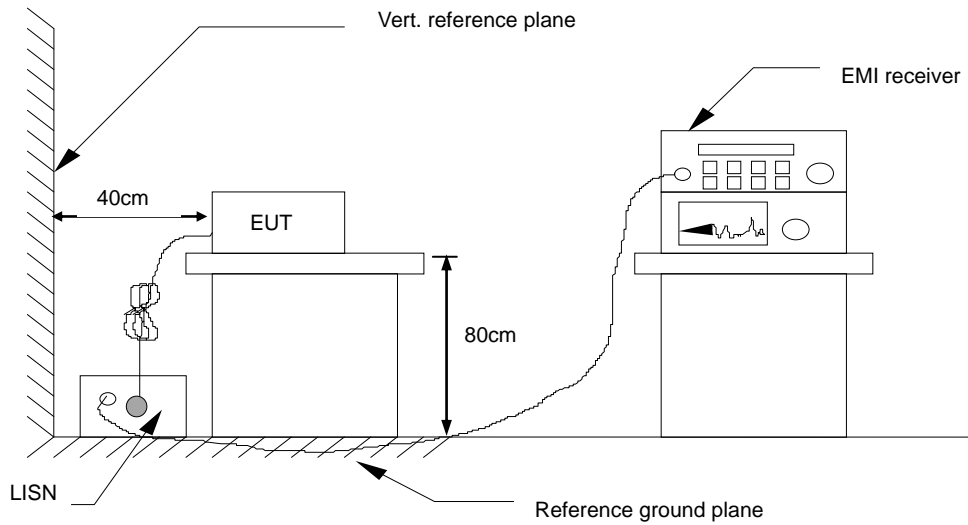
Procedure of Preliminary Test

- The EUT and Support equipment, if needed, was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor standing equipment, it is placed on the ground plane, which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- The test equipment EUT received DC power by adapter, and adapter received AC120V/60Hz main power, through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane.
- All support equipment power received from a second LISN.
- The EUT test program was started. Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.
- The Receiver scanned from 150kHz to 30MHz for emissions in each of the test modes.
- During the above scans, the emissions were maximized by cable manipulation.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test.
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.
- A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.
- The test data of the worst-case condition(s) was recorded.
- For details, please refer to measurement standard or CCS SOP PA-031

6.4. TEST SETUP



- For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

6.5. DATA SAMPLE

Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
X.XXXX	43.72	39.62	9.68	53.40	49.30	79.00	66.00	-25.60	-16.70	Pass

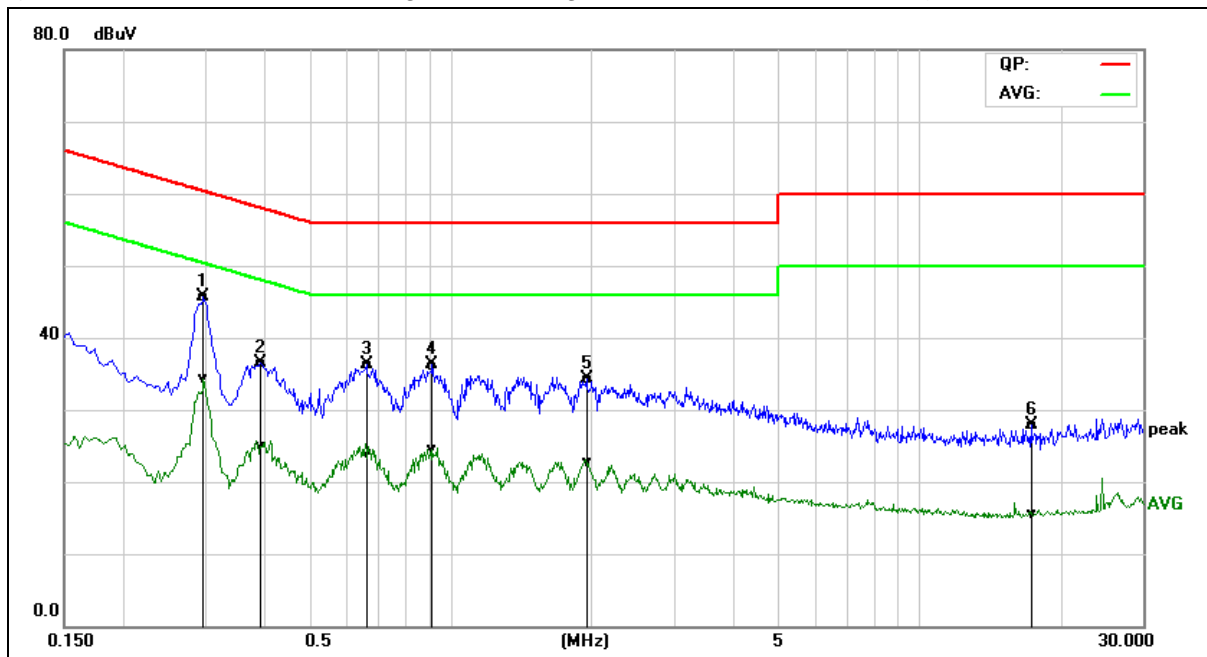
Factor = Insertion loss of LISN + Cable Loss
 Result = Quasi-peak Reading/ Average Reading + Factor
 Limit = Limit stated in standard
 Margin = Result (dBuV) – Limit (dBuV)



6.6. TEST RESULTS

Model No.	DHP380	RBW,VBW	9 kHz
Environmental Conditions	26°C, 60% RH	Test Mode	Mode 2
Tested By	Will Wei	Line	L1
Tested Date	June 16, 2017		

(The chart below shows the highest readings taken from the final data.)



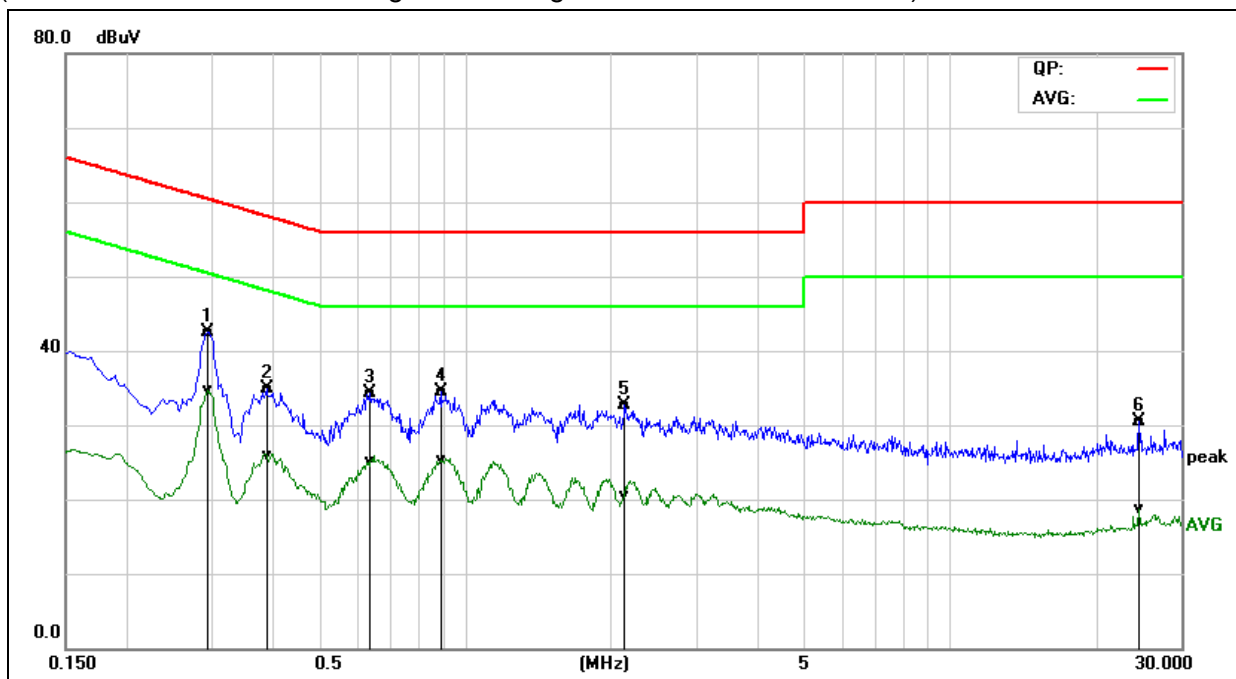
Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.2980	26.13	14.62	19.61	45.74	34.23	60.30	50.30	-14.56	-16.07	Pass
0.3940	16.89	5.26	19.57	36.46	24.83	57.98	47.98	-21.52	-23.15	Pass
0.6620	16.66	4.35	19.59	36.25	23.94	56.00	46.00	-19.75	-22.06	Pass
0.9140	16.63	4.98	19.57	36.20	24.55	56.00	46.00	-19.80	-21.45	Pass
1.9580	14.67	3.00	19.72	34.39	22.72	56.00	46.00	-21.61	-23.28	Pass
17.3140	7.67	-4.73	20.15	27.82	15.42	60.00	50.00	-32.18	-34.58	Pass

REMARKS: L1 = Line One (Live Line)
L2 = Line Two (Neutral Line)



Model No.	DHP380	RBW,VBW	9 kHz
Environmental Conditions	26°C, 60% RH	Test Mode	Mode 2
Tested By	Will Wei	Line	L2
Tested Date	June 16, 2017		

(The chart below shows the highest readings taken from the final data.)



Frequency (MHz)	QuasiPeak Reading (dBuV)	Average Reading (dBuV)	Correction Factor (dB)	QuasiPeak Result (dBuV)	Average Result (dBuV)	QuasiPeak Limit (dBuV)	Average Limit (dBuV)	QuasiPeak Margin (dB)	Average Margin (dB)	Remark (Pass/Fail)
0.2940	23.00	15.13	19.54	42.54	34.67	60.41	50.41	-17.87	-15.74	Pass
0.3899	15.33	6.40	19.53	34.86	25.93	58.06	48.07	-23.20	-22.14	Pass
0.6380	14.77	5.61	19.59	34.36	25.20	56.00	46.00	-21.64	-20.80	Pass
0.8940	14.89	5.68	19.57	34.46	25.25	56.00	46.00	-21.54	-20.75	Pass
2.1420	13.07	0.80	19.72	32.79	20.52	56.00	46.00	-23.21	-25.48	Pass
24.5780	9.94	-1.91	20.61	30.55	18.70	60.00	50.00	-29.45	-31.30	Pass

REMARKS: L1 = Line One (Live Line)
L2 = Line Two (Neutral Line)



7 RADIATED EMISSION MEASUREMENT

7.1. LIMITS OF RADIATED EMISSION MEASUREMENT

Below 1GHz

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 88	39.00	40.00
88 ~ 216	43.50	43.50
216 ~ 960	46.00	46.00
960 ~ 1000	49.50	54.00

NOTE:

- (1) The lower limit shall apply at the transition frequencies.
- (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).

Above 1GHz

Frequency (MHZ)	Class A (dBuV/m)		Class B (dBuV/m)	
	Average	Peak	Average	Peak
Above 1000	60	80	54	74

Notes:

- (1) The lower limit shall apply at the transition frequencies.
- (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
- (3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or in which the device operated or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower



15.38 (b) (11)Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22, “Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement,” 1997, IBR approved for § 15.109.

Below 1GHz

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Above 1GHz

Frequency (GHz)	Class A (dBuV/m) (At 3m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
1~3	56	76	50	70
3~6	60	80	54	74

- Notes:** (1) The lower limit shall apply at the transition frequencies.
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

According to CISPR22 clause 6.3, the measurement frequency range shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Less than 108	1000
108-500	2000
500-1000	5000
Above 1000	5 times of the highest frequency or 6GHz, whichever is less



7.2. TEST INSTRUMENTS

Below 1GHz

Radiated Emission Test Site 966 (2)					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/17/2017	02/16/2018
Antenna	SCHAFFNER	CBL6143	5063	02/12/2017	02/11/2018
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/15/2017	02/14/2018
Test S/W	FARAD	EZ-EMC/ CCS-03A1			

Above 1GHz

Radiated Emission Test Site 966 (2)					
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02/17/2017	02/16/2018
High Noise Amplifier	Agilent	8449B	3008A01838	02/11/2017	02/10/2018
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02/12/2017	02/11/2018
Board-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170-497	02/11/2017	02/10/2018
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Temp. / Humidity Meter	Anymetre	JR913	N/A	02/15/2017	02/14/2018
Test S/W	FARAD	LZ-RF / CCS-SZ-3A2			

- NOTE:** 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. N.C.R = No Calibration Request.



7.3. TEST PROCEDURES (please refer to measurement standard or CCS SOP PA-031)

Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The test equipment EUT received DC power by adapter, the adapter received AC120V/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 10 meter or 3 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- The test mode(s) described in Item 3.1 were scanned during the preliminary test:
- After the preliminary scan, we found the test mode described in Item 3.1 producing the highest emission level.
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

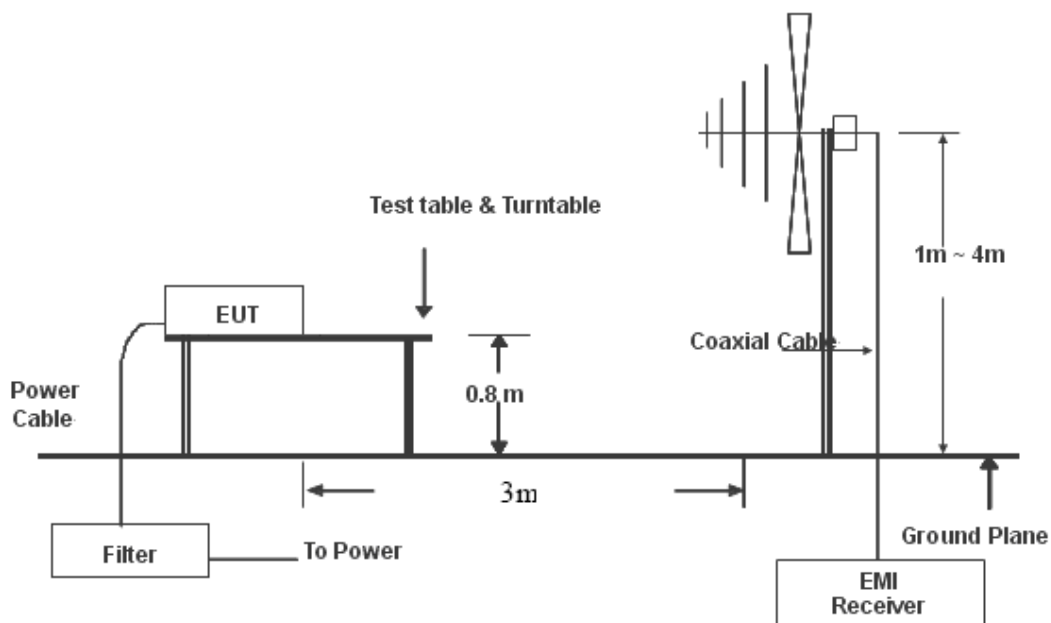
Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only Q.P. (For Below 1GHz) or Peak/Average (For Above 1GHz) reading is presented.
- The test data of the worst-case condition(s) was recorded.

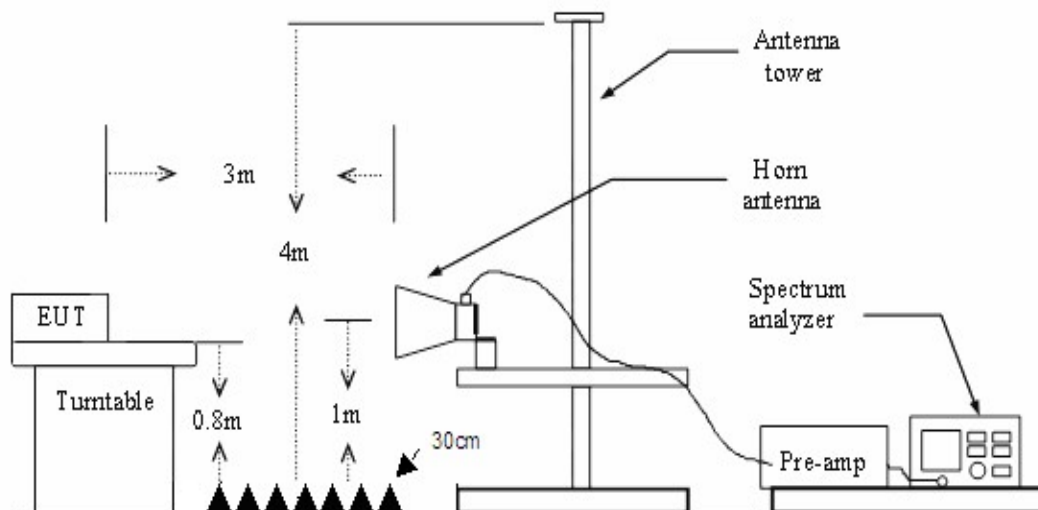


7.4. TEST SETUP

Below 1GHz



Above 1GHz



- For the actual test configuration, please refer to the related item - Photographs of the Test Configuration.



7.5. DATA SAMPLE

Below 1GHz

Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
XXX.XXXX	40.10	-11.30	28.80	40.00	-11.20	QP

- Frequency (MHz) = Emission frequency in MHz
- Reading (dBuV) = Uncorrected Analyzer / Receiver reading
- Correct Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
- Result (dBuV/m) = Reading (dBuV) + Corr. Factor (dB/m)
- Limit (dBuV/m) = Limit stated in standard
- Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
- QP = Quasi-peak Reading

Above 1GHz

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
XXXX.XXXX	63.15	-11.69	51.46	80.00	-28.54	Peak
XXXX.XXXX	47.49	-11.69	35.80	60.00	-24.20	AVG

- Frequency (MHz) = Emission frequency in MHz
- Reading (dBuV) = Uncorrected Analyzer / Receiver reading
- Correction Factor (dB/m) = Antenna factor + Cable loss – Amplifier gain
- Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)
- Limit (dBuV/m) = Limit stated in standard
- Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)
- Peak = Peak Reading
- AVG = Average Reading

Calculation Formula

Margin (dB) = Result (dBuV/m) – Limits (dBuV/m)

Result (dBuV/m) = Reading (dBuV) + Correction Factor (dB/m)

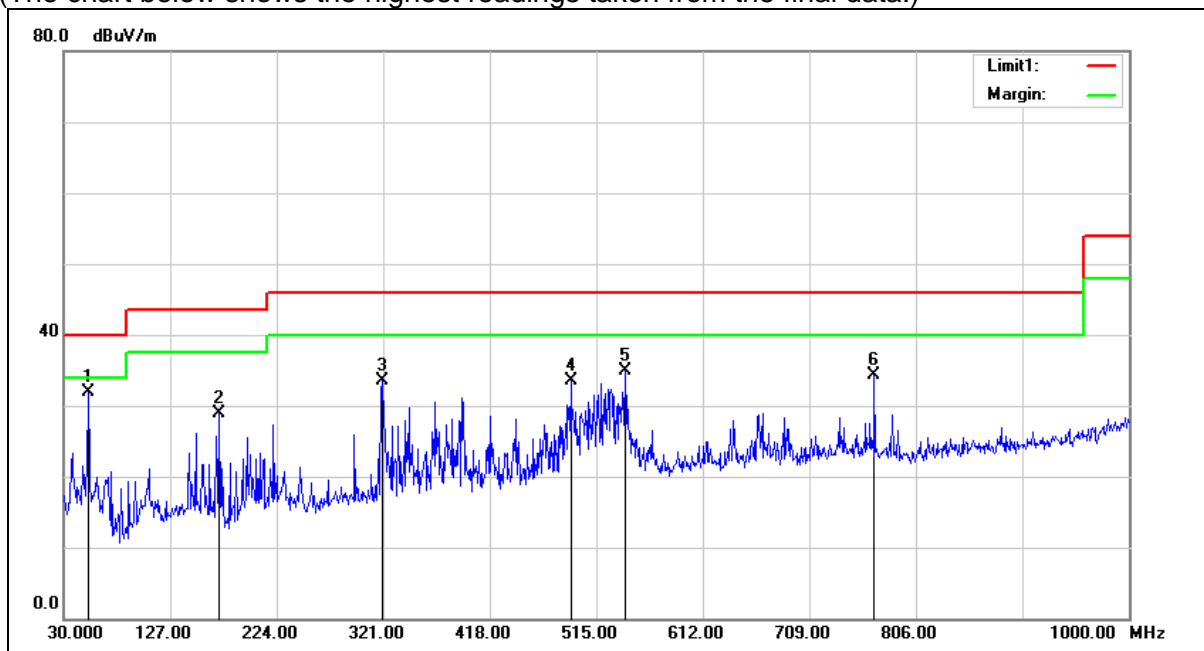


7.6. TEST RESULTS

Below 1GHz

Model No.	DHP380	Test Mode	Mode 2
Environmental Conditions	22°C, 45% RH	RBW,VBW	120 kHz
Antenna Pole	Vertical	Antenna Distance	3m
Detector Function	Quasi-peak/Average	Tested By	Will Wei
Tested Date	June 16, 2017		

(The chart below shows the highest readings taken from the final data.)



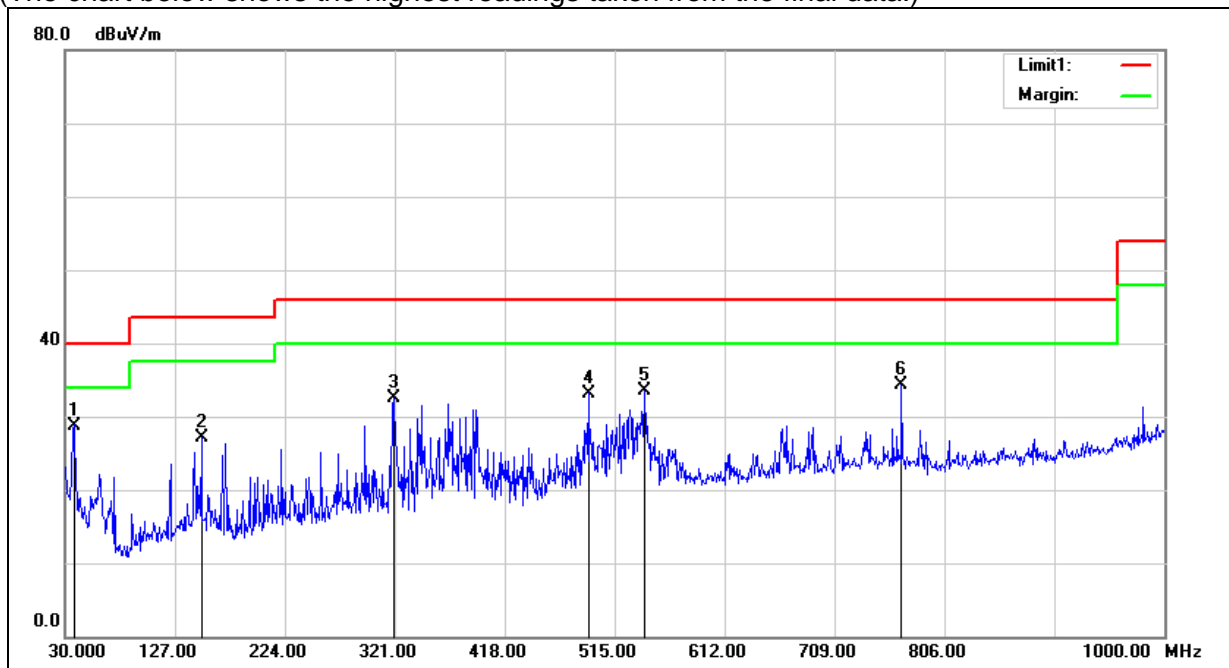
Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
52.3100	44.32	-12.51	31.81	40.00	-8.19	QP
171.6200	41.85	-12.92	28.93	43.50	-14.57	QP
320.0300	43.39	-9.88	33.51	46.00	-12.49	QP
491.7200	40.51	-7.06	33.45	46.00	-12.55	QP
541.1900	41.30	-6.42	34.88	46.00	-11.12	QP
768.1700	37.83	-3.59	34.24	46.00	-11.76	QP

REMARKS: 1. QP= Quasi-peak Reading
 2. The other emission levels were very low against the limit.



Model No.	DHP380	Test Mode	Mode 2
Environmental Conditions	22°C, 45% RH	RBW,VBW	120 kHz
Antenna Pole	Horizontal	Antenna Distance	3m
Detector Function	Quasi-peak/Average	Tested by	Will Wei
Tested Date	June 16, 2017		

(The chart below shows the highest readings taken from the final data.)



Frequency (MHz)	Reading (dBuV)	Correct Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
37.7600	40.10	-11.30	28.80	40.00	-11.20	QP
150.2800	39.01	-11.86	27.15	43.50	-16.35	QP
320.0300	42.45	-9.88	32.57	46.00	-13.43	QP
491.7200	40.26	-7.06	33.20	46.00	-12.80	QP
541.1900	39.83	-6.42	33.41	46.00	-12.59	QP
768.1700	37.89	-3.59	34.30	46.00	-11.70	QP

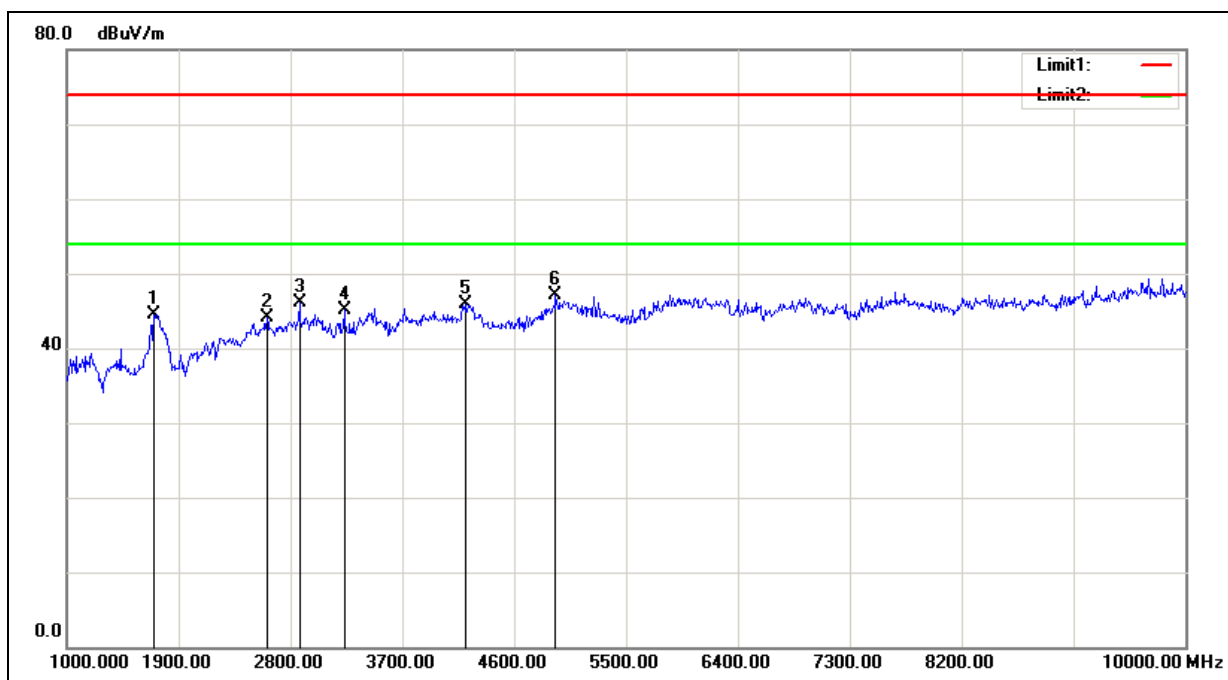
REMARKS: 1. QP= Quasi-peak Reading
 2. The other emission levels were very low against the limit.



Above 1GHz

Model No.	DHP380	Test Mode	Mode 2
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz
Antenna Pole	Vertical	Antenna Distance	3m
Detector Function	Peak	Tested by	Will Wei
Tested Date	June 18, 2017		

(The chart below shows the highest readings taken from the final data.)



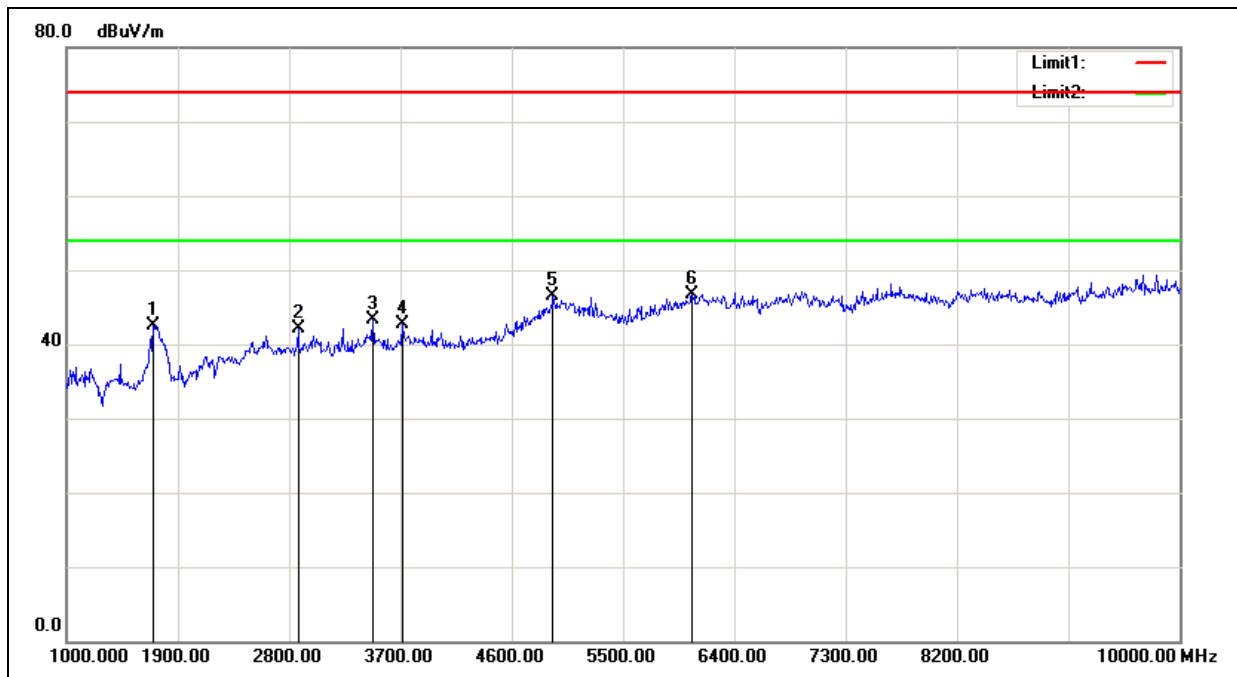
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1706.500	48.78	-4.26	44.52	74.00	-29.48	peak
2614.375	43.75	0.27	44.02	74.00	-29.98	peak
2879.875	45.63	0.44	46.07	74.00	-27.93	peak
3239.875	43.43	1.63	45.06	74.00	-28.94	peak
4218.625	39.92	5.92	45.84	74.00	-28.16	peak
4939.750	35.53	11.51	47.04	74.00	-26.96	peak

REMARKS: 1. Peak= Peak Reading; AVG= Average Reading.
 2. The other emission levels were very low against the limit.



Model No.	DHP380	Test Mode	Mode 2
Environmental Conditions	24°C, 52% RH	RBW,VBW	1MHz
Antenna Pole	Horizontal	Antenna Distance	3m
Detector Function	Peak	Tested by	Will Wei
Tested Date	June 18, 2017		

(The chart below shows the highest readings taken from the final data.)



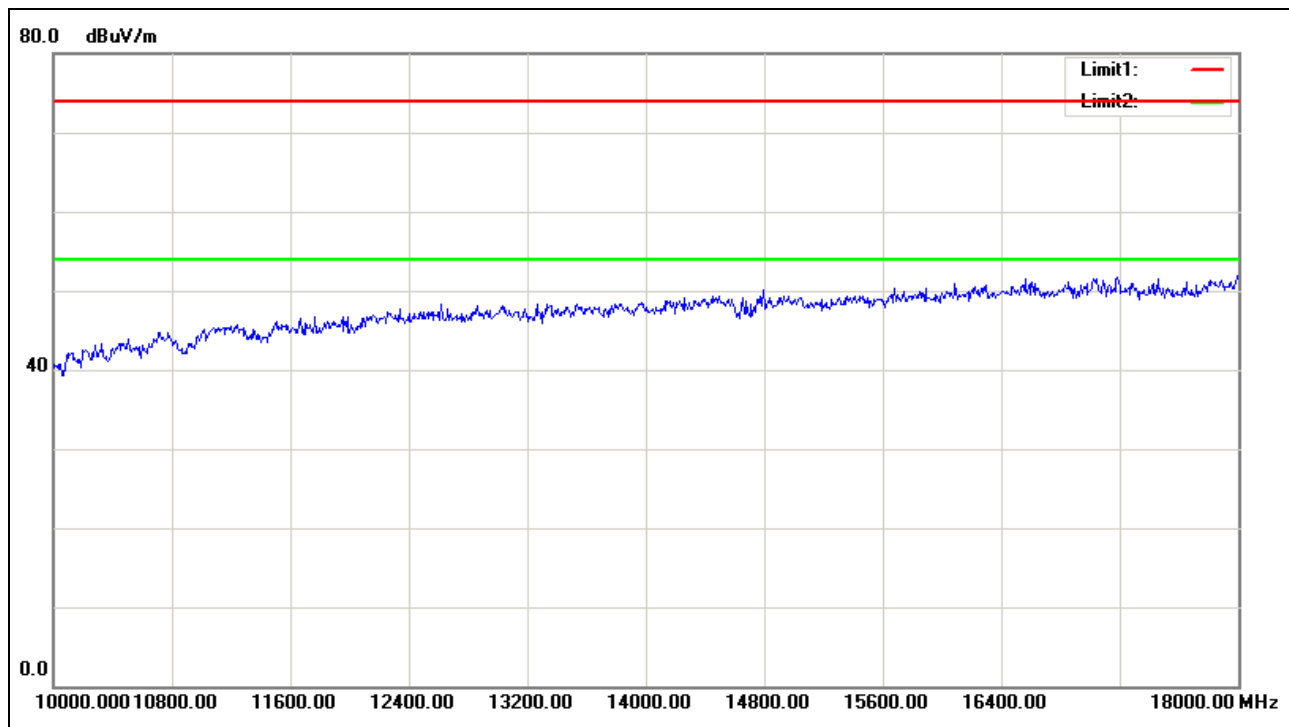
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1706.500	46.78	-4.26	42.52	74.00	-31.48	peak
2879.875	41.63	0.44	42.07	74.00	-31.93	peak
3479.500	40.47	2.74	43.21	74.00	-30.79	peak
3719.125	38.84	3.89	42.73	74.00	-31.27	peak
4939.750	35.03	11.51	46.54	74.00	-27.46	peak
6060.250	34.14	12.58	46.72	74.00	-27.28	peak

REMARKS: 1. Peak= Peak Reading; AVG= Average Reading.
 2. The other emission levels were very low against the limit.



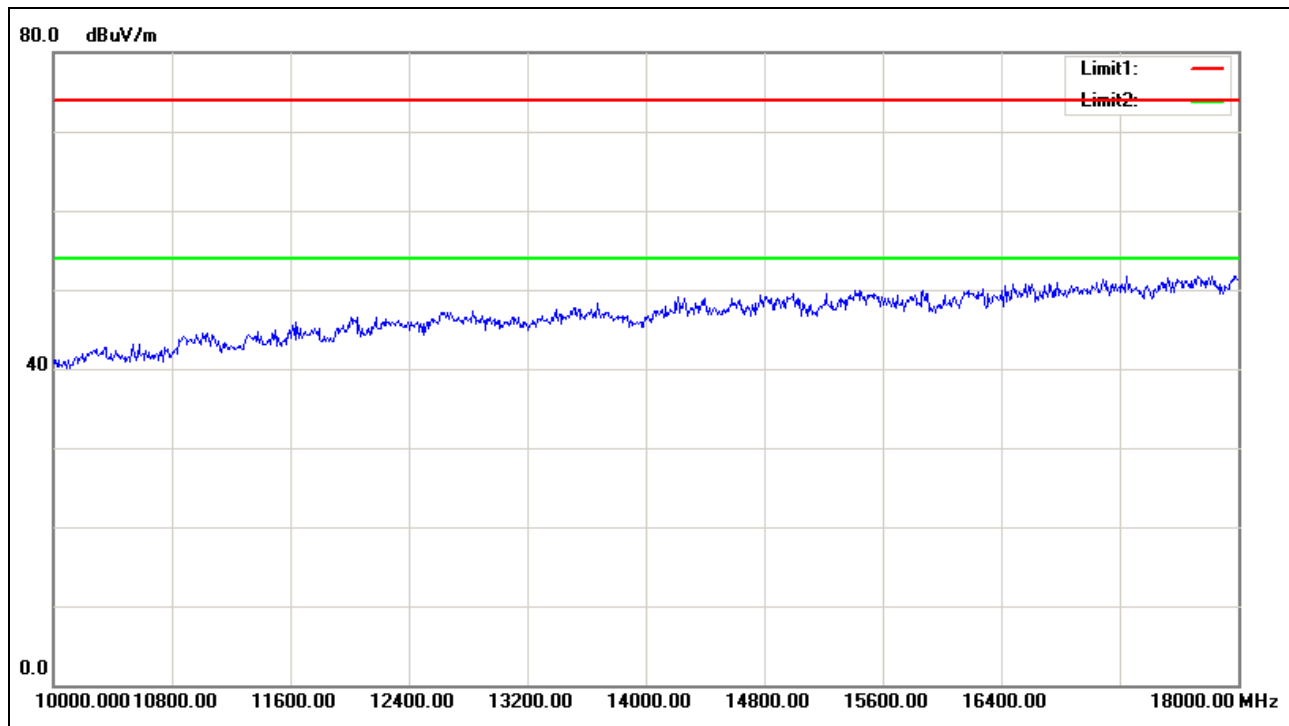
Vertical

Detect: 10GHz -18GHz



Horizontal

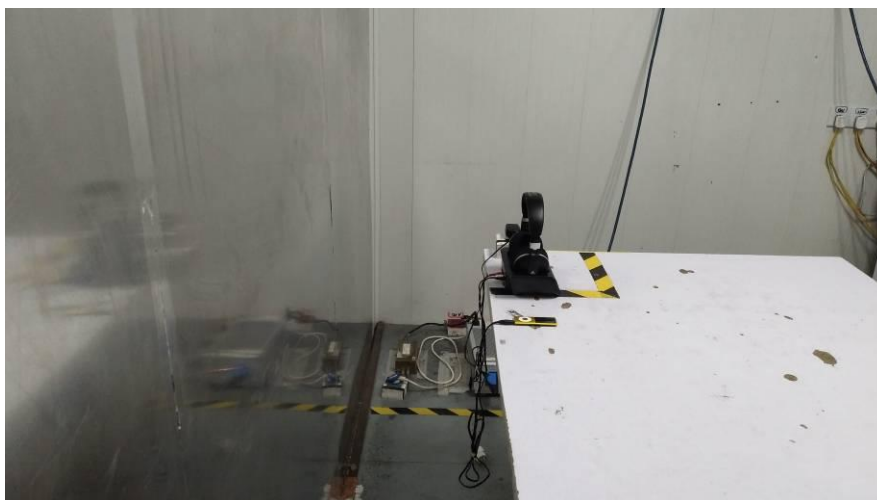
Detect: 10GHz -18GHz





8 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST





**RADIATED EMISSION TEST
Below 1GHz**





Above 1GHz





9 APPENDIX I – PHOTOGRAPHS OF EUT

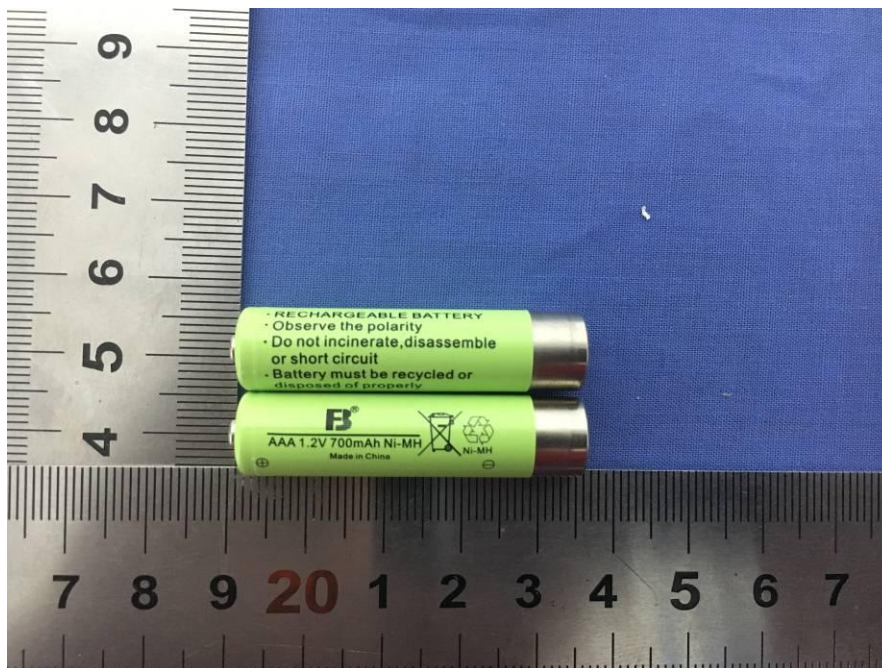
External Photos of EUT Headphone







Battery 1



Battery 2



**Internal Photos of EUT
Headphone**

