FCC RADIO TEST REPORT

Prepared For	DONGGUAN WIRELESSSIR ELECTRONICS TECHNOLOGY CO.,LTD							
Product Name:	2.4G TV LOVER series Digital TV headset							
Trade Name:	Wirelesssir							
Model Name :	DL1235,TL-R3, DL1235-H;DL1235-T;DL1235-C							
FCC ID:	2ABW8DL1235							
Prepared By	DongGuan Precise Testing Service Co.,Ltd.							
	Room 203-204, 2F, Xinye Building, No.67 Shijing, Guanzhang Road, Dongguan, China							
Report No.	PTS201402112F							
Test Date:	Feb.10, 2014 ~ Feb.20, 2014							
Date of Report :	Feb.20, 2014							

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VERIFICATION OF COMPLIANCE

Applicant:	DONGGUAN WIRELESSSIR ELECTRONICS TECHNOLOGY CO.,LTD
Address	Room 1018, Taibao building, No.1 of Langwei Road, Jiekou, Chang'an Town, Dongguan City, China.
Manufacturer Name:	DONGGUAN WIRELESSSIR ELECTRONICS TECHNOLOGY CO.,LTD
Address:	Room 1018, Taibao building, No.1 of Langwei Road, Jiekou, Chang'an Town, Dongguan City, China.
Product Description:	2.4G TV LOVER series Digital TV headset
Brand Name:	Wirelesssir
Model Name:	DL1235, TL-R3, DL1235-H;DL1235-T;DL1235-C
Model difference:	Model name are different.
Test procedure	ANSI C63.4-2003
Standards	FCC Part15.249

Prepared by:

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Reviewer:

Approved & Authorized Signer :

Jacky Ou / Manager

Assistant



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)											
Standard Section	Test Item	Judgment	Remark								
15.207	Conducted Emission	N/A									
15.203	Antenna Requirement	Pass									
15.249	Radiated Spurious Emission	Pass									
15.205	Band Edge Emission	Pass									
15.249	Occupied Bandwidth	Pass									



1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District,

Shenzhen P.R. China.

FCC Registration No.:238937; IC Registration No.:9270A-1

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % \circ

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	2.4G TV LOVER series Digital TV headset							
Trade Name	Wirelesssir							
Model Name	DL1235							
Serial Model	TL-R3 DL1235-H;DL123	35-T;DL1235-C						
Model Difference	All the model are the sa except the model name	me circuit and RF module,						
		OVER series Digital TV headset						
	Operation Frequency:	2403~2478MHz						
	Modulation Type:	GFSK						
	Antenna Designation:	PCB Antenna						
	Antenna Gain(Peak)	1.2dBi						
Product Description	Field strength	84.32dbuv/m@3m(Peak)						
	Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.							
Channel List	Please refer to the Note	2.						
Adapter	N/A							
Battery	DC3.7V							

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

	Frequency Group									
	2420	2439	2458	2477						
	2421	2440	2459	2478						
2403	2422	2441	2460							
2404	2423	2442	2461							
2405	2424	2443	2462							
2406	2425	2444	2463							
2407	2426	2445	2464							
2408	2427	2446	2465]					
2409	2428	2447	2466							
2410	2429	2448	2467							
2411	2430	2449	2468		- [MHz]					
2412	2431	2450	2469							
2413	2432	2451	2470							
2414	2433	2452	2471							
2415	2434	2453	2472							
2416	2435	2454	2473							
2417	2436	2455	2474							
2418	2437	2456	2475							
2419	2438	2457	2476							

3.

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	PCB Antenna	N/A	1.2	Antenna



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	CH01(2403MHz)
Mode 2	CH37(2439MHz)
Mode 3	CH76(2478MHz)

For Conducted Emission								
Final Test Mode	Description							
N/A	N/A							

For Radiated Emission									
Final Test Mode	Description								
Mode 1	CH01(2403MHz)								
Mode 2	CH37(2439MHz)								
Mode 3	CH76(2478MHz)								

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels. The worest data will reported.
- (2) The EUT use new battery.



2	3	RI	0	CK	ח	GF	ΔV		HO!	WIN	JG	TH	1F	C	NC	FI	GI	IR.	ΔΤ		I O	F	SV	ST	EM	1 TE	STE	= D
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Radiated Spurious Emission Test

E-1 EUT



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	2.4G TV LOVER series Digital TV headset	Wirelesssir	DL1235	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

rtaan	reduction rest equipment						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibratio n period
1	Spectrum Analyzer	Agilent	E4407B	MY4510804 0	2013.07.06	2014.07.05	1 year
2	Test Receiver	R&S	ESPI	101318	2013.06.07	2014.06.06	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2013.07.06	2014.07.05	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	620026441 6	2013.06.07	2014.06.06	1 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2013.06.07	2014.06.06	1 year
6	Horn Antenna	EM	EM-AH-101 80	2011071402	2013.07.06	2014.07.05	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2013.07.06	2014.07.05	1 year
8	Amplifier	EM	EM-30180	060538	2013.12.22	2014.12.21	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2013.06.08	2014.06.07	1 year
10	Power Meter	R&S	NRVS	100696	2013.07.06	2014.07.05	1 year
11	Power Sensor	R&S	URV5-Z4	0395.1619. 05	2013.07.06	2014.07.05	1 year



3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

3.2 EUT ANTENNA

The EUT antenna is PCB Antenna.	It comply	with the standard	requirement.

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3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)		Standard
FREQUENCT (MHZ)	Quasi-peak	Average	Quasi-peak	Average	Stariuaru
0.15 -0.5			66 - 56 *	56 - 46 *	CISPR
0.50 -5.0			56.00	46.00	CISPR
5.0 -30.0			60.00	50.00	CISPR

0.15 -0.5		66 - 56 *	56 - 46 *	LP002.
0.50 -5.0		56.00	46.00	LP002.
5.0 -30.0		60.00	50.00	LP002.

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

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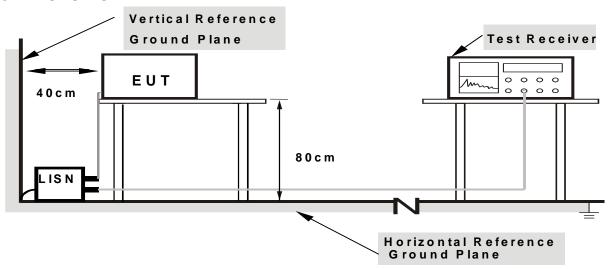
3.3.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

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3.2.5 TEST RESULT

EUT:	2.4G TV LOVER series Digital TV headset	Model Name. :	DL1235
Temperature:	26 ℃	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	N/A	Test Mode:	N/A

Note: It is powered by the battery, Conducted emission test is not applicable.



3.4 RADIATED EMISSION MEASUREMENT

3.4.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
2400 - 2483.5	50	500

Notes:

(1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



3.4.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

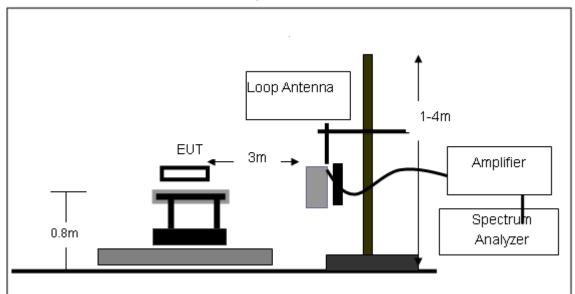
3.4.3 DEVIATION FROM TEST STANDARD

No deviation

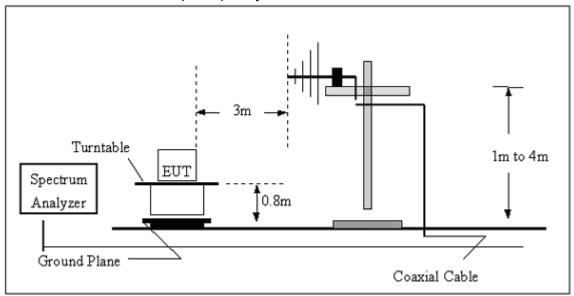


3.4.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz



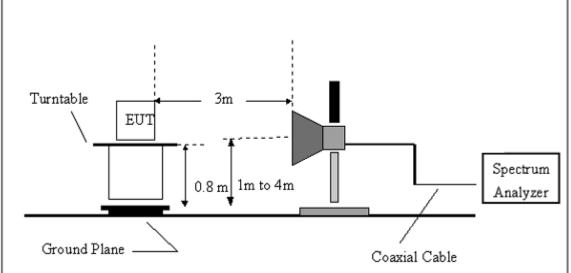
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz



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3.4.5 TEST RESULTS (BLOW 30MHz)

EUT:	2.4G TV LOVER series Digital TV headset	Model Name. :	DL1235
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX	Polarization :	

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				PASS
				PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB); Limit line = specific limits(dBuv) + distance extrapolation factor.

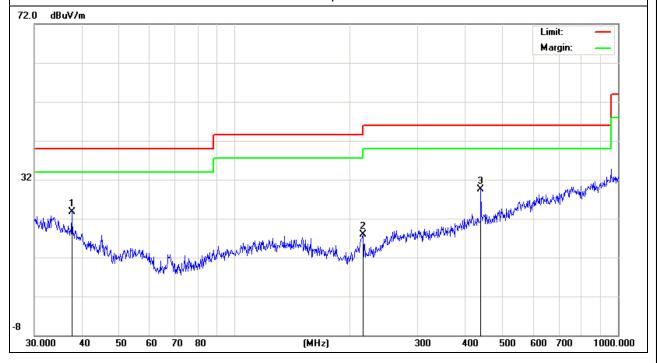


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3.4.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2403MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
37.5478	9.22	14.49	23.71	40	-16.29	QP
216.024	8.48	9.52	18	46	-28	QP
438.6553	11.74	17.86	29.6	46	-16.4	QP

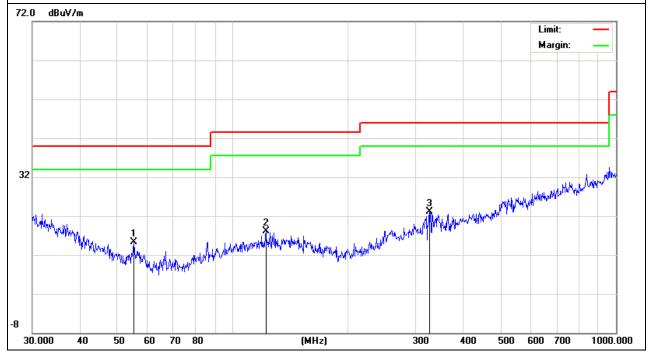




EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2403MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tyna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
55.2207	9.29	6.01	15.3	40	-24.7	QP
121.9753	6.28	11.82	18.1	43.5	-25.4	QP
325.5957	8.34	14.86	23.2	46	-22.8	QP

Remark:

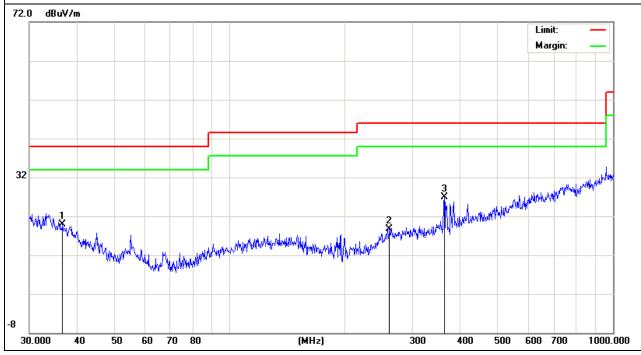




EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2439MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
36.6375	5.05	14.9	19.95	40	-20.05	QP
261.0581	4.42	14.23	18.65	46	-27.35	QP
362.9844	11.35	15.65	27	46	-19	QP

Remark:

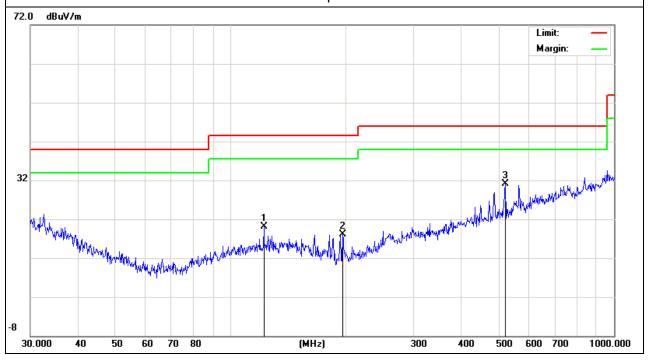




EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2439MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
121.9753	8.28	11.82	20.1	43.5	-23.4	QP
195.822	9.52	8.68	18.2	43.5	-25.3	QP
520.8881	11.66	19.44	31.1	46	-14.9	QP

Remark:

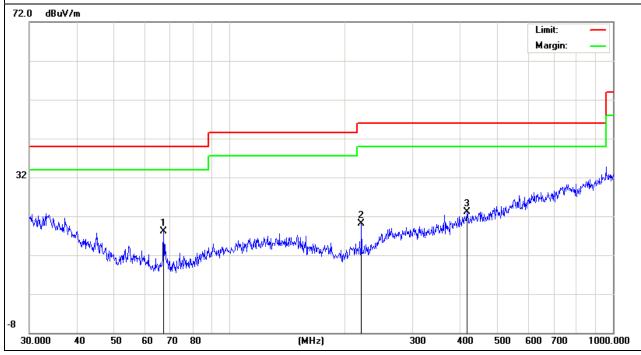




EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2478MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tyna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
67.2022	12.56	5.54	18.1	40	-21.9	QP
220.6168	10.29	9.91	20.2	46	-25.8	QP
416.1791	5.19	17.82	23.01	46	-22.99	QP

Remark:

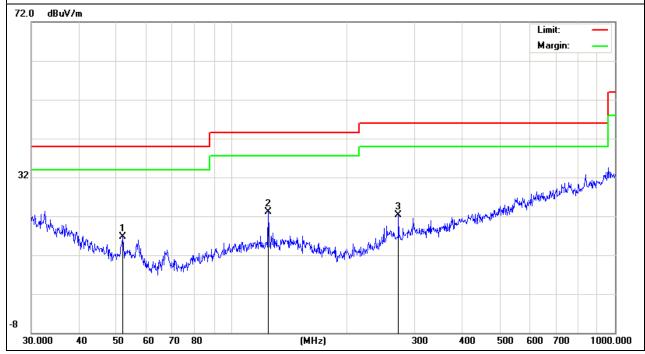




EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX 2478MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
51.843	9.43	7.31	16.74	40	-23.26	QP
124.569	11.31	11.89	23.2	43.5	-20.3	QP
272.2776	8.98	13.42	22.4	46	-23.6	QP

Remark:





3.4.7 TEST RESULTS (ABOVE 1000 MHZ)

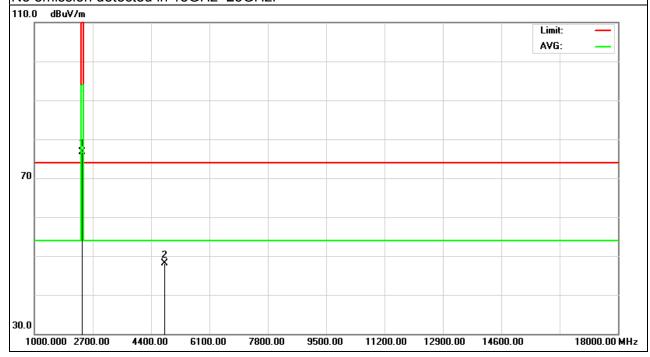
EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2403MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2403	89.69	-12.99	76.7	114.0 0	-37.3	peak
4806	51.73	-3.64	48.09	74	-25.91	peak

Remark:

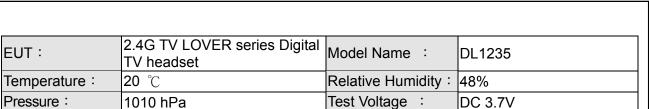
Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected in 18GHz~25GHz.



1010 hPa

TX /2403MHz



Polarization:

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DC 3.7V

Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2403	93.71	-12.99	80.72	114.0 0	-33.28	peak
4806	55.96	-3.59	52.37	74	-21.63	peak
-						

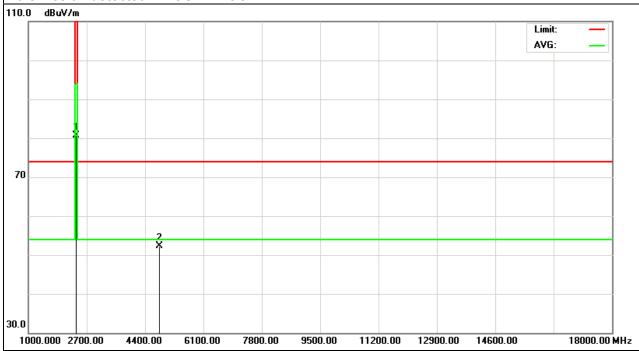
Remark:

Pressure:

Test Mode :

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected in 18GHz~25GHz.





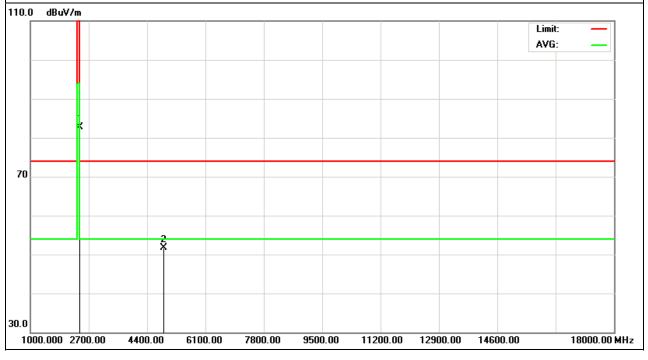
EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2439MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2439	95.7	-12.92	82.78	114.0 0	-31.22	peak
4878	55.39	-3.75	51.64	74	-22.36	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected in 18GHz~25GHz.



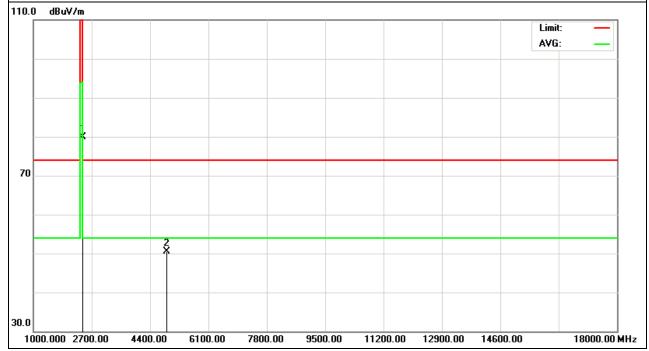


EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2439MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2439	92.77	-12.92	79.85	114.0 0	-34.15	peak
4878	54.22	-3.75	50.47	74	-23.53	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier. No emission detected in 18GHz~25GHz.





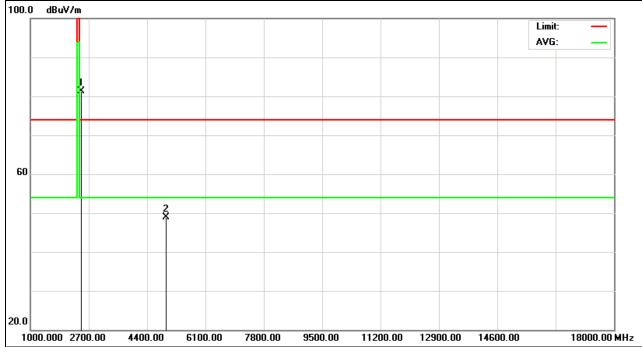
EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2478MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2478	94.16	-12.79	81.37	114.0 0	-32.63	peak
4956	52.54	-3.59	48.95	74	-25.05	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected in 18GHz~25GHz.



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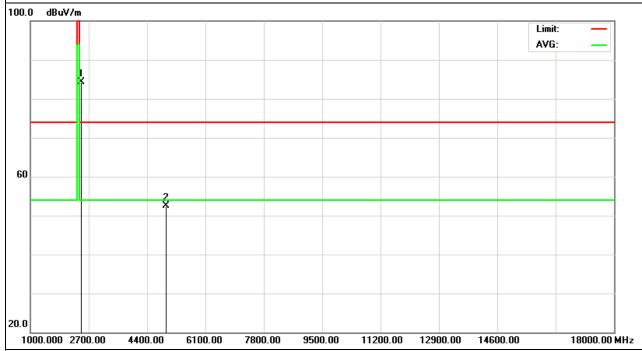
EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2478MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2478	97.09	-12.77	84.32	114.0 0	-29.68	peak
4956	56.05	-3.59	52.46	74	-21.54	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected in 18GHz~25GHz.



NOTE: If the PK measured value is less than AV limit already, the AV measurement is not required.

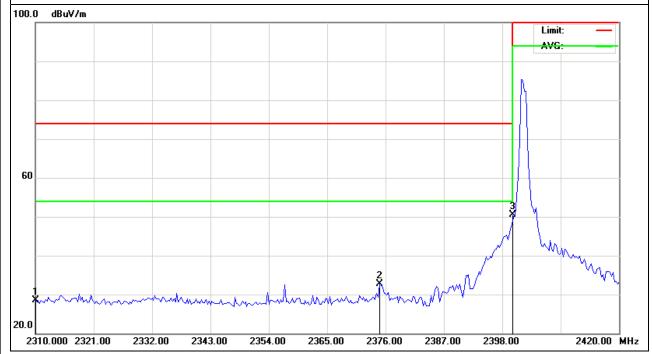


3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2403MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2310	41.39	-12.89	28.5	74	-45.5	peak
2374.9	45.95	-13.16	32.79	74	-41.21	peak
2400	63.51	-12.99	50.52	74	-23.48	peak
2310	41.39	-12.89	28.5	74	-45.5	peak

Remark:

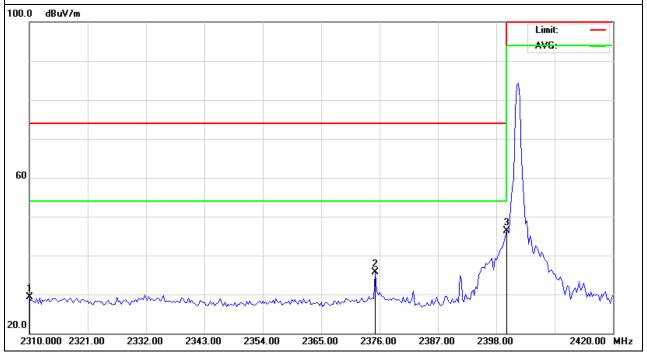


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EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2403MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2310	42.21	-12.89	29.32	74	-44.68	peak
2375.175	48.96	-13.16	35.8	74	-38.2	peak
2400	59.39	-12.99	46.4	74	-27.6	peak

Remark

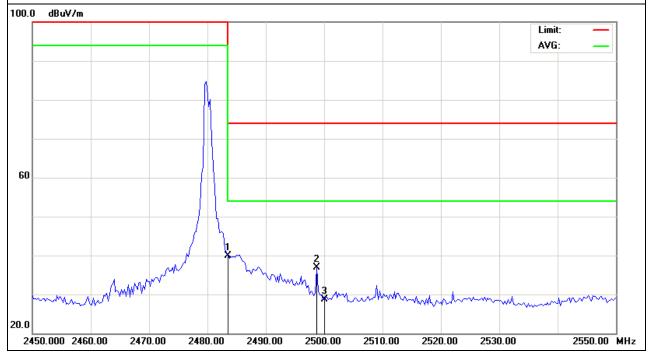




	-		
EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2478MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	52.68	-12.78	39.9	74	-34.1	peak
2498.75	49.62	-12.72	36.9	74	-37.1	peak
2500	41.42	-12.72	28.7	74	-45.3	peak

Remark:

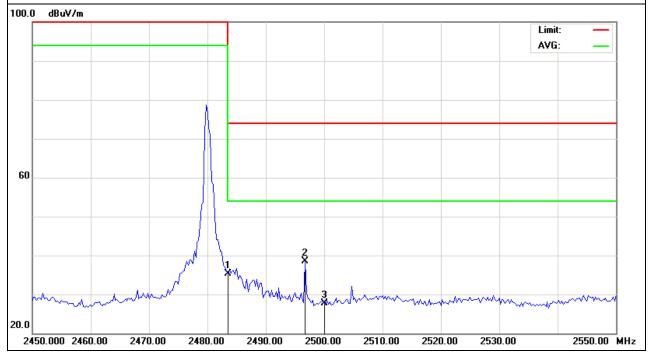




EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2478MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	48.15	-12.78	35.37	74	-38.63	peak
2496.75	51.33	-12.73	38.6	74	-35.4	peak
2500	40.32	-12.72	27.6	74	-46.4	peak

Remark:





4. BANDWIDTH TEST

4.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below, b. Spectrum Setting : RBW= 100KHz, VBW≥RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

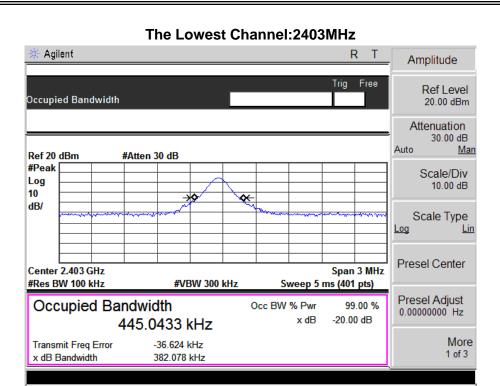


4.4 TEST RESULTS

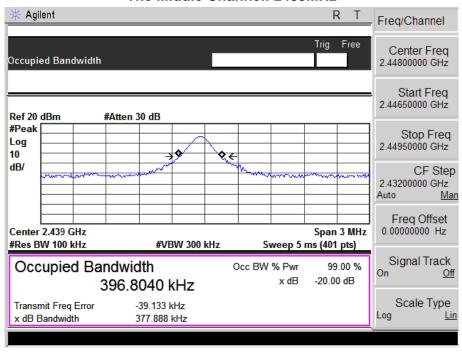
EUT:	2.4G TV LOVER series Digital TV headset	Model Name :	DL1235
Temperature:	26 ℃	Relative Humidity:	53%
Pressure:	1020 hPa	Test Power :	DC 3.7V
Test Mode :	TX 2403/2439/2478MHz		

Test Channel	Frequency	20 dB Bandwidth	99% Bandwidth
	(MHz)	(MHz)	(MHz)
CH01	2403	0.382	0.445
CH47	2439	0.378	0.397
CH79	2478	0.370	0.392



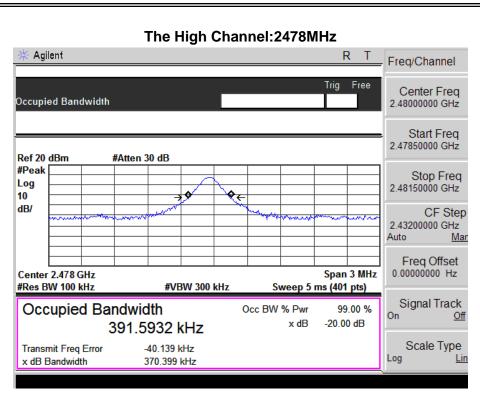


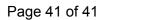
The Middle Channel: 2439MHz



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5. EUT TEST PHOTO

Radiated Measurement Photos





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