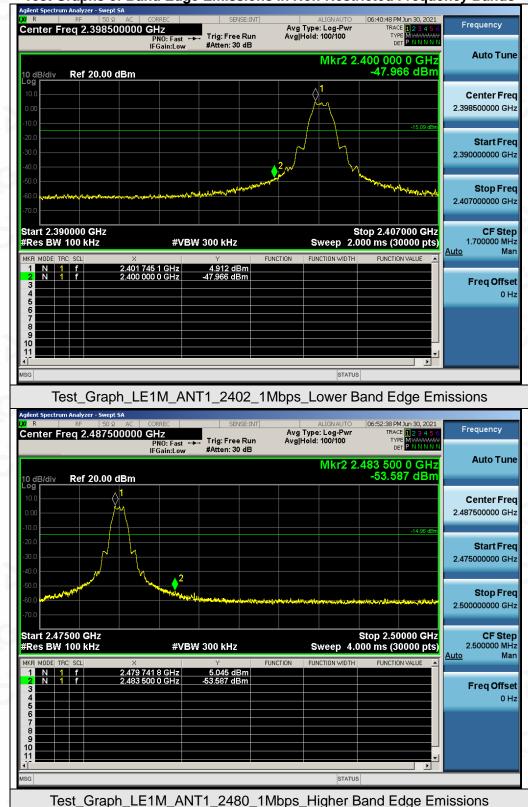


Right ear headphones:

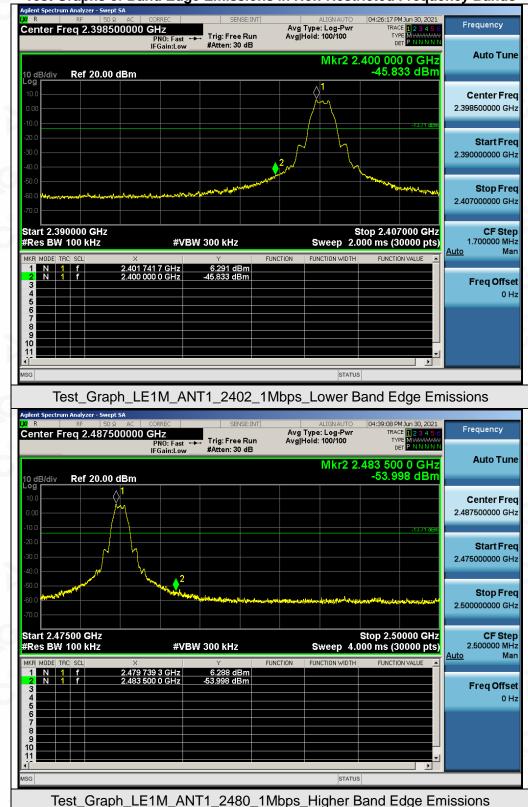


. Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

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Left ear headphones:



Test Graphs of Band Edge Emissions in Non-Restricted Frequency Bands

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10. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

10.1. MEASUREMENT PROCEDURE

- (1). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (2). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (3). Set the SPA Trace 1 Max hold, then View.

Note: The method of PKPSD in the KDB 558074 item 8.4 was used in this testing.

10.2. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer to Section 7.2.

10.3. MEASUREMENT EQUIPMENT USED

Refer to Section 6.

10.4. LIMITS AND MEASUREMENT RESULT

Right ear headphones:

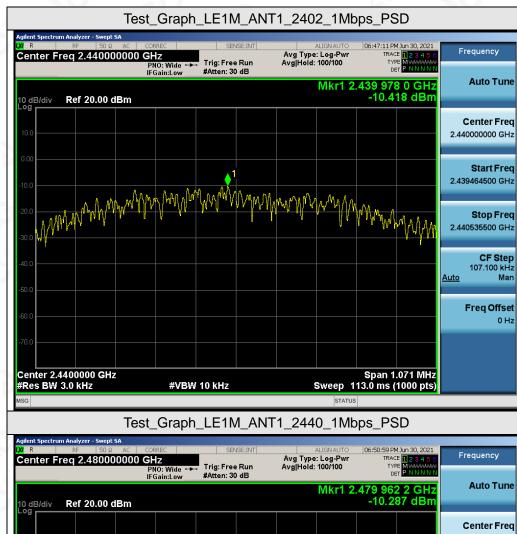
Test Data of Conducted Output Power Spectral Density							
Test ModeTest Channel (MHz)Power density (dBm/3kHz)							
	2402	-10.453	≤8	Pass			
GFSK 1M	2440	-10.418	≤8	Pass			
G aG	2480	-10.287	≤8	Pass			

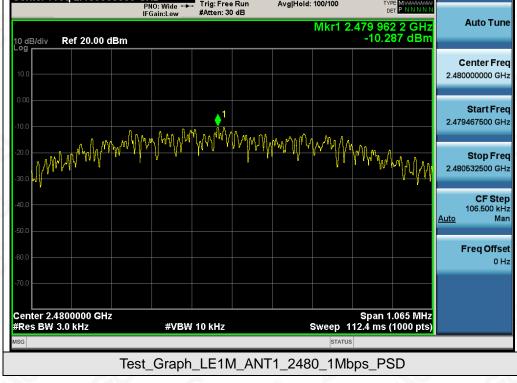
Test Graphs of Conducted Output Power Spectral Density



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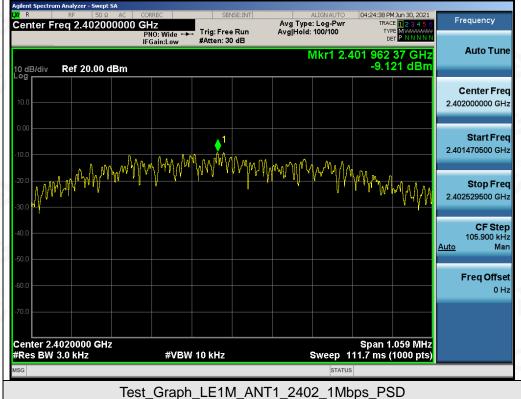
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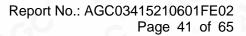
Left ear headphones:

Test Data of Conducted Output Power Spectral Density							
Test Mode	ode Test Channel Power density (MHz) (dBm/3kHz)		Limit (dBm/3kHz)	Pass or Fail			
0	2402	-9.121	≤8	Pass			
GFSK 1M	2440	-9.129	≤8	Pass			
	2480	-9.074	≤8	Pass			

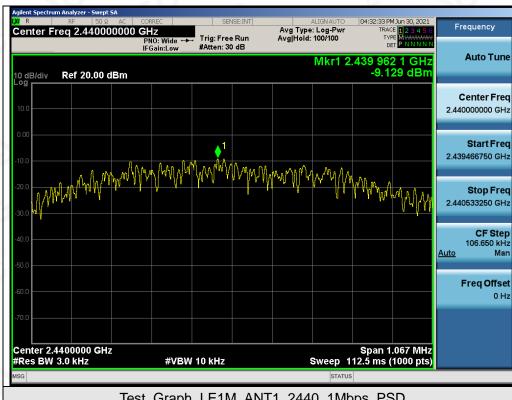
Test Graphs of Conducted Output Power Spectral Density



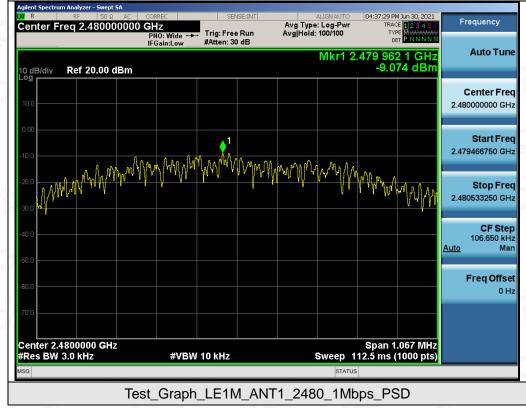
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Test_Graph_LE1M_ANT1_2440_1Mbps_PSD



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11. RADIATED EMISSION

11.1. MEASUREMENT PROCEDURE

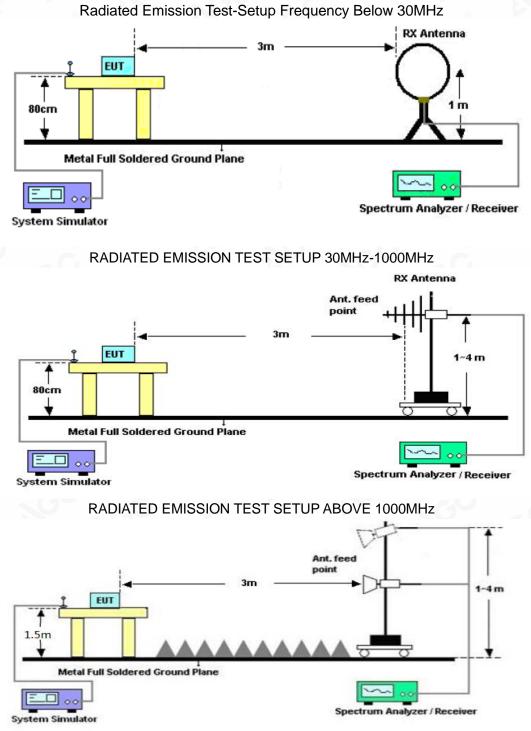
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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11.2. TEST SETUP



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11.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/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: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

Radiated emission below 30MHz

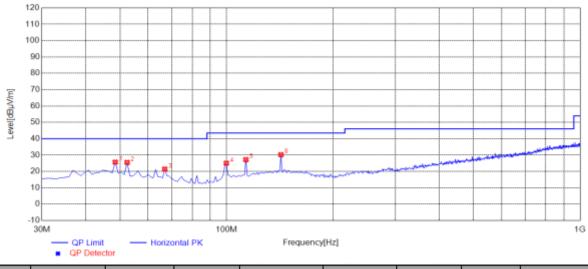
The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

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Right ear headphones:

Radiated emission from 30MHz to 1000MHz							
EUT	WIRELESS HEADPHONES Model Name HA-FW1000T						
Temperature	25° C	Relative Humidity	55.4%				
Pressure	960hPa	Test Voltage	Normal Voltage				
Test Mode	Mode 3	Antenna	Horizontal				



NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polanty
1	48.4300	25.69	11.71	40.00	14.31	100	65	Horizontal
2	52.3100	25.49	11.49	40.00	14.51	100	213	Horizontal
3	66.8600	21.44	9.76	40.00	18.56	100	1	Horizontal
4	99.8400	25.03	11.30	43.50	18.47	100	156	Horizontal
5	113.4200	27.20	12.79	43.50	16.30	100	150	Horizontal
6	142.5200	30.23	14.88	43.50	13.27	100	148	Horizontal

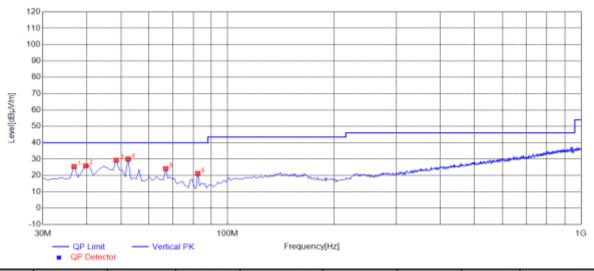
RESULT: PASS

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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.7900	25.37	11.16	40.00	14.63	100	62	Vertical
2	39.7000	25.88	11.86	40.00	14.12	100	187	Vertical
3	48.4300	29.30	11.71	40.00	10.70	100	89	Vertical
4	52.3100	30.06	11.49	40.00	9.94	100	0	Vertical
5	66.8600	24.13	9.76	40.00	15.87	100	49	Vertical
6	82.3800	21.20	7.17	40.00	18.80	100	103	Vertical

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Level-Limit.

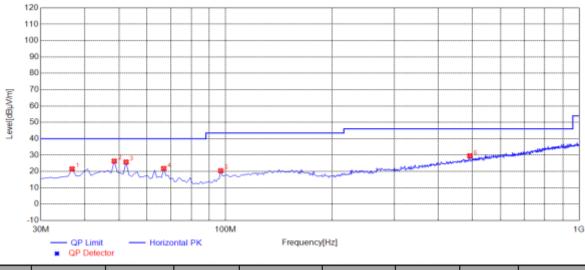
2. All test modes had been tested. The mode 3 is the worst case and recorded in the report.

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Left ear headphones:

Radiated emission from 30MHz to 1000MHz							
EUT	WIRELESS HEADPHONES Model Name HA-FW1000T						
Temperature	25° C	Relative Humidity 55.4%					
Pressure	960hPa	Test Voltage	Normal Voltage				
Test Mode	Mode 3	Antenna	Horizontal				



NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Folanty
1	36.7900	21.55	11.16	40.00	18.45	100	13	Horizontal
2	48.4300	26.31	11.71	40.00	13.69	100	19	Horizontal
3	52.3100	25.74	11.49	40.00	14.26	100	333	Horizontal
4	66.8600	21.78	9.76	40.00	18.22	100	32	Horizontal
5	96.9300	20.42	10.11	43.50	23.08	100	168	Horizontal
6	490.7500	29.53	21.96	46.00	16.47	100	21	Horizontal

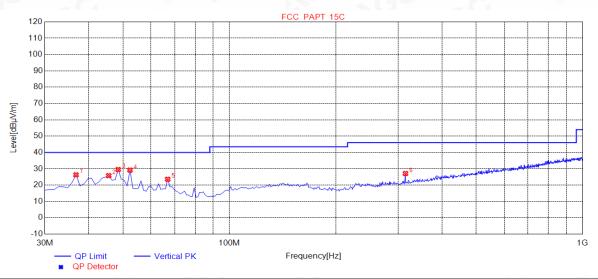
RESULT: PASS

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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical



NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Polarity
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polanty
1	36.7900	26.30	11.16	40.00	13.70	100	131	Vertical
2	45.5200	25.81	11.80	40.00	14.19	100	91	Vertical
3	48.4300	29.54	11.71	40.00	10.46	100	265	Vertical
4	52.3100	29.20	11.49	40.00	10.80	100	89	Vertical
5	66.8600	23.60	9.76	40.00	16.40	100	342	Vertical
6	315.1800	27.13	16.48	46.00	18.87	100	310	Vertical

RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Margin=Level-Limit.

2. All test modes had been tested. The mode 3 is the worst case and recorded in the report.

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Right ear headphones:

Radiated emission above TGHZ							
EUT	WIRELESS HEADPHONES Model Name HA-FW1000T						
Temperature	25° C	Relative Humidity 55					
Pressure	960hPa	Test Voltage	Normal Voltage				
Test Mode	Mode 1	Antenna	Horizontal				

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	46.25	0.08	46.33	74	-27.67	peak
4804.000	36.76	0.08	36.84	54	-17.16	AVG
7206.000	48.84	2.21	51.05	74 🔍	-22.95	peak
7206.000	38.19	2.21	40.4	54	-13.6	AVG
		0			<u> </u>	-0
emark:						

EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	47.25	0.08	47.33	74	-26.67	peak
4804.000	36.82	0.08	36.9	54	-17.1	AVG
7206.000	50.65	2.21	52.86	74	-21.14	💿 peak 🖉
7206.000	38.41	2.21	40.62	54	-13.38	AVG
emark:		200	GG	©		

Factor = Antenna Factor + Cable Loss – Pre-amplifier

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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.000	45.76	0.14	45.9	74	-28.1	peak
4880.000	35.24	0.14	35.38	54	-18.62	AVG
7320.000	48.71	2.36	51.07	74	-22.93	peak
7320.000	37.46	2.36	39.82	54	-14.18	AVG
8	0		97		®	
emark:						

EUT	WIRELESS HEADPHONES Model Name		HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Meter Reading	Factor	Emission Level	Limits 🔍	Margin	Value Tree
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
46.06	0.14	46.2	74	-27.8	peak
36.57	0.14	36.71	54	-17.29	AVG
49.78	2.36	52.14	74	-21.86	peak
39.31	2.36	41.67	54	-12.33	AVG
	(dBµV) 46.06 36.57 49.78	(dBµV) (dB) 46.06 0.14 36.57 0.14 49.78 2.36	(dBµV) (dB) (dBµV/m) 46.06 0.14 46.2 36.57 0.14 36.71 49.78 2.36 52.14	(dBµV) (dB) (dBµV/m) (dBµV/m) 46.06 0.14 46.2 74 36.57 0.14 36.71 54 49.78 2.36 52.14 74	(dBµV) (dB) (dBµV/m) (dBµV/m) (dB) 46.06 0.14 46.2 74 -27.8 36.57 0.14 36.71 54 -17.29 49.78 2.36 52.14 74 -21.86

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

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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

	Factor	Emission Level	Limits	Margin	
(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
46.06	0.14	46.2	74	-27.8	peak
36.57	0.14	36.71	54	-17.29	AVG
49.78	2.36	52.14	74	-21.86	peak
39.31	2.36	41.67	54	-12.33	AVG
			()		
	8		-00	- 6	8
-	46.06 36.57 49.78 39.31	46.06 0.14 36.57 0.14 49.78 2.36 39.31 2.36	46.06 0.14 46.2 36.57 0.14 36.71 49.78 2.36 52.14	46.06 0.14 46.2 74 36.57 0.14 36.71 54 49.78 2.36 52.14 74 39.31 2.36 41.67 54	46.06 0.14 46.2 74 -27.8 36.57 0.14 36.71 54 -17.29 49.78 2.36 52.14 74 -21.86 39.31 2.36 41.67 54 -12.33

EUT	WIRELESS HEADPHONES	HA-FW1000T	
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits 💿	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	47.67	0.22	47.89	74	-26.11	peak
4960.000	37.52	0.22	37.74	54	-16.26	AVG
7440.000	51.42	2.64	54.06	74	-19.94	peak
7440.000	40.13	2.64	42.77	54	-11.23	AVG
2	C C	8		6	0	
emark:		a.C	• ©			
actor = Anter	nna Factor + Cable	e Loss – Pre-a	amplifier.	6		- 0

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Emission Level-Limit. The "Factor" value can be calculated automatically by software of measurement system.

Compliance Dedicated Fe Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Feat Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGE /Inspection he test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day Bf he test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Left ear headphones:

Radiated emission above 1GHz						
EUT	T WIRELESS HEADPHONES Model Name HA-FW1000T					
Temperature	25° C	Relative Humidity	55.4%			
Pressure	960hPa	Test Voltage	Normal Voltage			
Test Mode	Mode 1	Antenna	Horizontal			

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	47.54	0.08	47.62	74	-26.38	peak
4804.000	36.84	0.08	36.92	54	-17.08	AVG
7206.000	49.22	2.21	51.43	74 🔍	-22.57	peak
7206.000	39.73	2.21	41.94	54	-12.06	AVG
	0	0			<u> </u>	-0
emark:				8		
actor = Anter	nna Factor + Cable	e Loss – Pre-	amplifier.		8	

EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	48.73	0.08	48.81	74	-25.19	peak
4804.000	36.89	0.08	36.97	54	-17.03	AVG
7206.000	50.71	2.21	52.92	74	-21.08	💿 peak 🖉
7206.000	39.17	2.21	41.38	54	-12.62	AVG
emark:		200	GG	0		

Factor = Antenna Factor + Cable Loss – Pre-amplifier

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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.000	46.16	0.14	46.3	74	-27.7	peak
4880.000	35.94	0.14	36.08	54	-17.92	AVG
7320.000	48.34	2.36	50.7	74	-23.3	peak
7320.000	38.83	2.36	41.19	54	-12.81	AVG
8	6		e C	8	©	
emark:						
	na Factor + Cable	Loss – Pre-	-amplifier.		0	- 6

EUT	WIRELESS HEADPHONES Model Name		HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Malua Tra
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.000	47.55	0.14	47.69	74	-26.31	peak
4880.000	36.48	0.14	36.62	54	-17.38	AVG
7320.000	50.16	2.36	52.52	74	-21.48	peak
7320.000	38.42	2.36	40.78	54	-13.22	AVG
3				6	- 6	
					69	6
emark:			\odot			

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

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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	46.58	0.22	46.8	74	-27.2	peak
4960.000	37.54	0.22	37.76	54	-16.24	AVG
7440.000	50.73	2.64	53.37	74	-20.63	peak
7440.000	40.15	2.64	42.79	54	-11.21	AVG
8				0		
mark					©	ß
emark:						

EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits ©	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	47.15	0.22	47.37	74	-26.63	peak
4960.000	37.97	0.22	38.19	54	-15.81	AVG
7440.000	51.73	2.64	54.37	74	-19.63	peak
7440.000	39.86	2.64	42.5	54	-11.5	AVG
3						
		0				
emark:			8			
actor = Anter	nna Factor + Cable	Loss - Pre-	amplifier.	0		

RESULT: PASS

Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Emission Level-Limit. The "Factor" value can be calculated automatically by software of measurement system.

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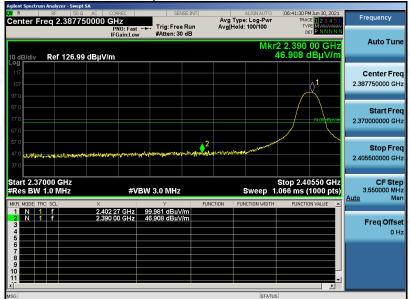


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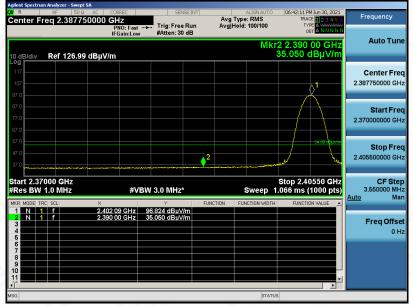
Right ear headphones:

lest result for band edge emission at restricted bands						
EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T			
Temperature	25° C	Relative Humidity	55.4%			
Pressure	960hPa	Test Voltage	Normal Voltage			
Test Mode	Mode 1	Antenna	Horizontal			

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

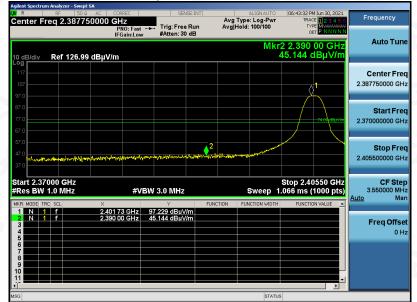
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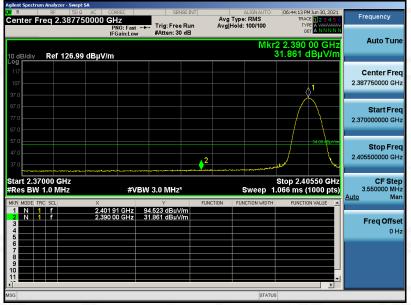
Report No.: AGC03415210601FE02 Page 56 of 65

EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical
	T C L C D L L		

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

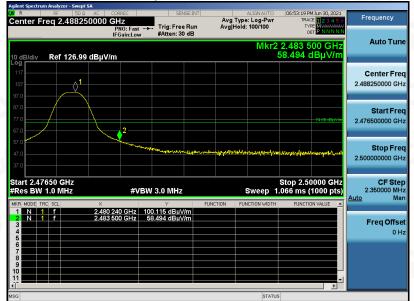
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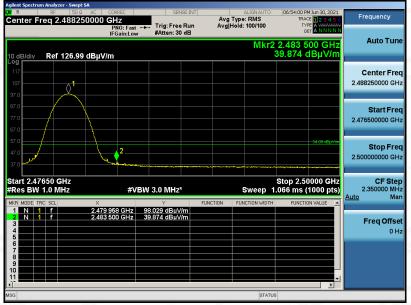
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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

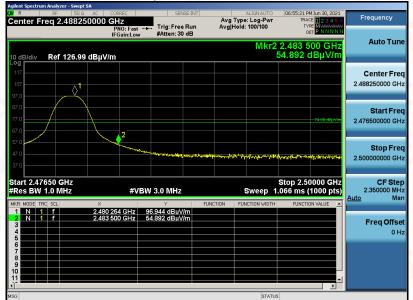
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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

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Test Mode

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Horizontal

Left ear headphones:

Mode 1

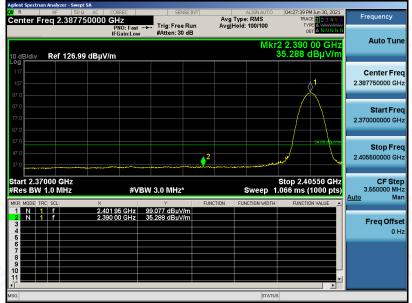
Test result for band edge emission at restricted bands			
EUT	WIRELESS HEADPHONES Model Name HA-FV		HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage

Test Graph for Peak Measurement

Antenna



Test Graph for Average Measurement



RESULT: PASS

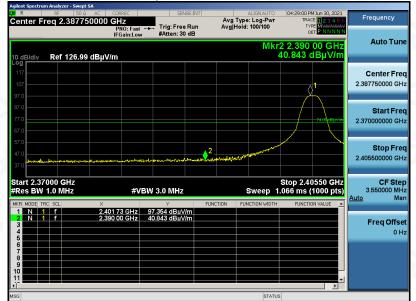
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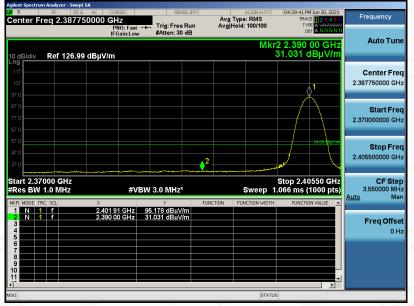
Report No.: AGC03415210601FE02 Page 60 of 65

EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical
	T C L C D L M		

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

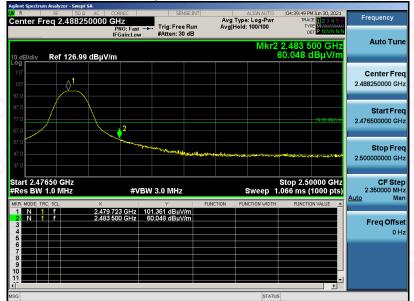
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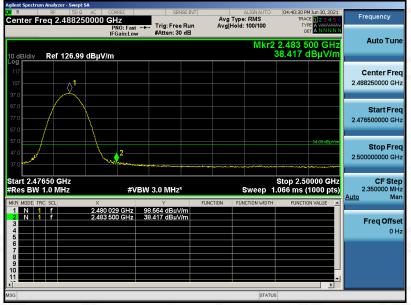
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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

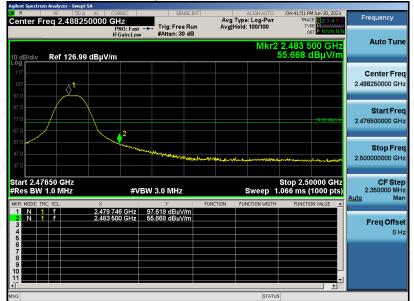
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EUT	WIRELESS HEADPHONES	Model Name	HA-FW1000T
Temperature	25° C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical
Test Mode		Antenna	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



RESULT: PASS

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer.

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12. LINE CONDUCTED EMISSION TEST

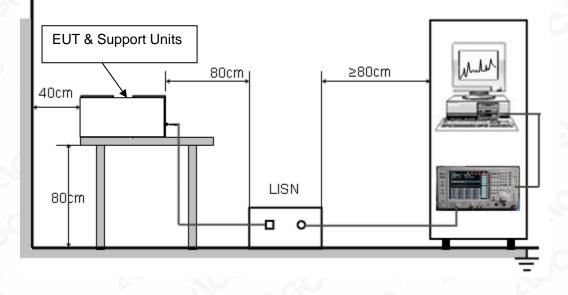
12.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage		
Frequency	Q.P.(dBuV)	Average(dBuV)	
150kHz~500kHz	66-56	56-46	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

Note: 1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

12.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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 Attestation of Global Compliance(Shenzhen)Co., Ltd

 Attestation of Global Compliance(Shenzhen)Std & Tech Co., Ltd

 Tel: +86-755 2523 4088
 E-mail: agc@agc-cert.com



12.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual 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 C63.10 (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.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipment received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

12.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of 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. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.

12.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

N/A

Note: The BT function cannot transmit when charging.

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APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC03415210601AP01

APPENDIX B: PHOTOGRAPHS OF EUT Refer to the Report No.: AGC03415210601AP01

----END OF REPORT----

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Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.

5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

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