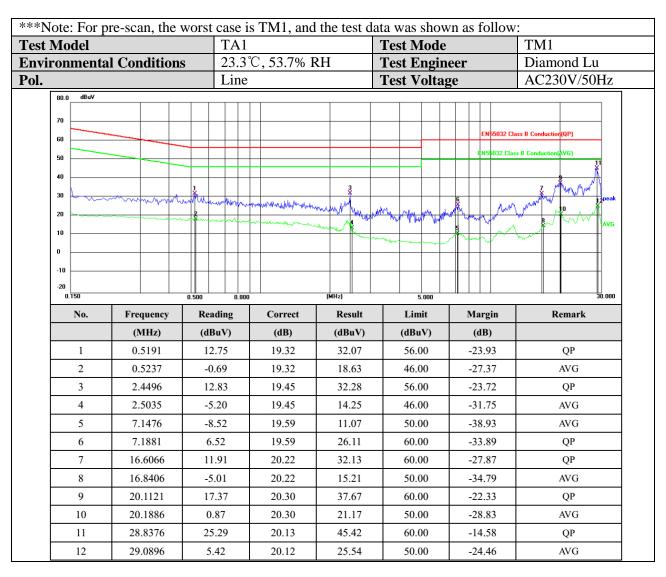
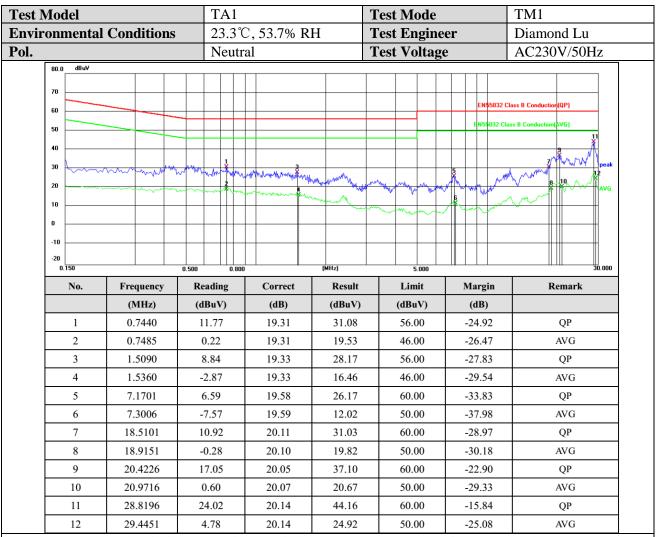
Appendix A for Emission and Immunity test results

Product Name: Bluetooth Earphones

Test Model: TA1

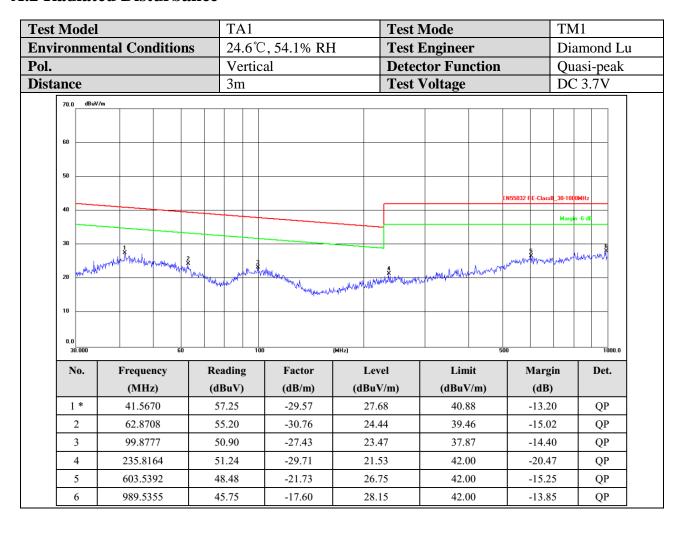
A.1 Line Conducted Emission

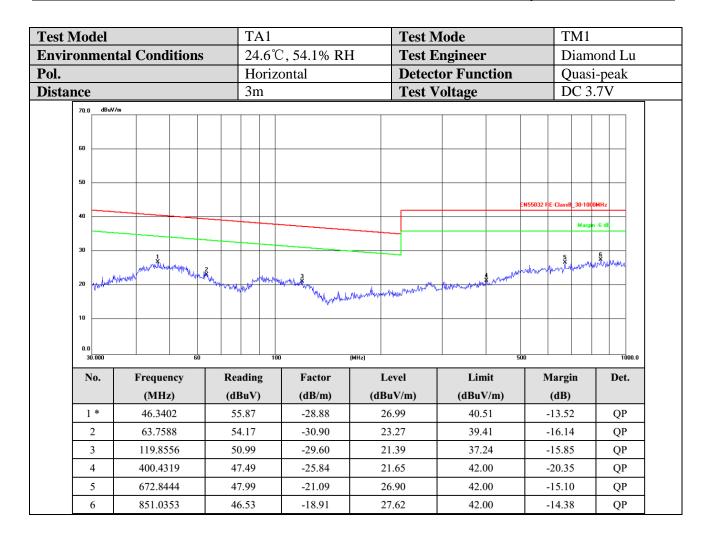




Note: For conducted emission and radiated emission test, a power supply of 230VAC and 120VAC was used for testing respectively, and only recorded the worst case of 230VAC.

A.2 Radiated Disturbance





Test Mode: TM1 (Above 1GHz)	Tested by: Diamond Lu
Test Voltage: DC 3.7V	Test Distance: 3m
Detector Function : Peak + AV	Test Results: Passed

Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
1126.02	49.66	1.14	50.80	70.00	-19.20	Peak	Horizontal
1126.02	31.21	1.14	32.35	50.00	-17.65	Average	Horizontal
1693.24	50.10	2.67	52.77	70.00	-17.23	Peak	Horizontal
1693.24	29.51	2.67	32.18	50.00	-17.82	Average	Horizontal
2396.19	50.25	5.75	56.00	70.00	-14.00	Peak	Horizontal
2396.19	31.39	5.75	37.14	50.00	-12.86	Average	Horizontal
3383.18	49.99	1.83	51.82	74.00	-22.18	Peak	Horizontal
3383.18	30.58	1.83	32.41	54.00	-21.59	Average	Horizontal
4189.36	51.29	3.17	54.46	74.00	-19.54	Peak	Horizontal
4189.36	30.98	3.17	34.15	54.00	-19.85	Average	Horizontal
5925.54	51.22	6.13	57.35	74.00	-16.65	Peak	Horizontal
5925.54	29.07	6.13	35.20	54.00	-18.80	Average	Horizontal

Freq. MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
1126.20	50.76	1.14	51.90	70.00	-18.10	Peak	Vertical
1126.20	30.46	1.14	31.60	50.00	-18.40	Average	Vertical
1558.39	50.64	2.67	53.31	70.00	-16.69	Peak	Vertical
1558.39	31.13	2.67	33.80	50.00	-16.20	Average	Vertical
2918.34	49.55	5.75	55.30	70.00	-14.70	Peak	Vertical
2918.34	28.75	5.75	34.50	50.00	-15.50	Average	Vertical
3734.54	51.50	1.83	53.33	74.00	-20.67	Peak	Vertical
3734.54	30.31	1.83	32.14	54.00	-21.86	Average	Vertical
4597.11	48.16	3.17	51.33	74.00	-22.67	Peak	Vertical
4597.11	31.13	3.17	34.30	54.00	-19.70	Average	Vertical
5978.96	50.35	6.13	56.48	74.00	-17.52	Peak	Vertical
5978.96	30.97	6.13	37.10	54.00	-16.90	Average	Vertical

Note:

- 1. Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field strength shall not exceed the average limits specified plus 20dB.
- 2. Measurements above show only up to 6 maximum emissions noted.
- 3. Data of measurement within this frequency range shown "-- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- 4. Factor = Antenna Factor + Cable Loss + Amplifier Factor
 Emission Level = Reading level + Factor
 Margin = Emission Level Limit

A.3 RF Electromagnetic Field (80 MHz - 6000 MHz)

Test Model	TA1	Test Engineer	Diamond Lu
Environmental Conditions	23.2℃, 53.6% RH	Test Voltage	DC 3.7V

TM1 Test Result:

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
Operating Mode	Horizontal	80-6000	3	CT, CR	Front, Right, Left, Back	Pass
Idlo	Vertical	80-6000	3	See Note	Front, Right, Left, Back	Pass
Idle	Horizontal	80-6000	3	See Note	Front, Right, Left, Back	Pass

TM2-TM3 Test Result:

EUT Working Mode	Antenna Polarity	Frequency (MHz)	Fielded Strength (V/m)	Observation	Position	Conclusion
Operating Mode	Vertical	80-6000	3	See Note	Front, Right, Left, Back	Pass
Operating Mode	Horizontal	80-6000	3	See Note	Front, Right, Left, Back	Pass
Tallo	Vertical	80-6000	3	See Note	Front, Right, Left, Back	Pass
Idle	Horizontal	80-6000	3	See Note	Front, Right, Left, Back	Pass

Note: The EUT performance complied with performance criteria for CT&CR Function and there is no any degradation of performance and function.

During the test, the Maximum Bit Error Ratio was less than $0.001\,$

During the test, the Maximum Block Error Ratio was less than $0.01\,$

A.4 Electrostatic Discharge

Electrostatic Discharge Test Results						
Standard	☐ IEC 61000-4-2 ☐ EN 61000-4-2					
Applicant	Applicant Shenzhen Yale Electronics Co., Ltd.					
EUT	Bluetooth Earphones	Temperature	24.2℃			
M/N	TA1 Humidity 54.3%					
Criterion	B Pressure 1021mbar					
Test Mode	TM1-TM3	Test Engineer	Diamond Lu			

TEST RESULT OF TM1 Test Voltage Coupling Observation Result (Pass/Fail) ±2KV, ±4kV TT, TR Contact Discharge Pass ±2KV, ±4kV, ±8kV TT, TR Air Discharge Pass $\pm 2KV$, $\pm 4kV$ Indirect Discharge HCP TT, TR Pass $\pm 2KV$, $\pm 4kV$ Indirect Discharge VCP TT, TR Pass

TEST RESULT OF TM2-TM3					
Test Voltage Coupling		Result (Pass/Fail)			
±2KV, ±4kV	Contact Discharge	Pass			
±2KV, ±4kV, ±8kV	Air Discharge	Pass			
±2KV, ±4kV	Indirect Discharge HCP	Pass			
±2KV, ±4kV	Indirect Discharge VCP	Pass			

Note: The EUT performance complied with performance criteria for TT&TR Function and there is no any degradation of performance and function.