FCC Test Report

FCC ID: 2A7DX-FITBUDSH1

Product: Wireless Earphone
Trade Mark: Blackview
Model No.: FitBuds H1
Family Model: N/A
Report No.: S25022601904003
Issue Date: Apr. 10, 2025

Prepared for

DOKE COMMUNICATION (HK) LIMITED

19H MAXGRAND PLAZA NO 3 TAI YAU STREET SAN PO KONG KL

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.
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TEST RESULT CERTIFICATION

Applicant's name	DOKE COMMUNICATION (HK) LIMITED
Address	19H MAXGRAND PLAZA NO 3 TAI YAU STREET SAN PO KONG KL
Manufacturer's Name	Shenzhen DOKE Electronic Co., Ltd
Address	801, Building3, 7th Industrial Zone, Yulv Community, Yutang Road, Guangming District, Shenzhen, China.
Applicant's name	
Address	Wireless Earphone
Trade Mark	Blackview
Model name	FitBuds H1
Family Model	N/A
Test Sample Number	S250226019004
Date of Test	Feb. 26, 2025 ~ Apr. 10, 2025
Standards	FCC Part 15B ANSI C63.4:2014

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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Prepared By	Reviewed By	Approved By
Yoyo Liang	Aaron Cheng	Alex Li
Yoyo Liang (Project Engineer)	Aaron Cheng (Supervisor)	Alex Li (Manager)

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15B ANSI C63.4: 2014	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

(1) 'N/A' denotes test is not applicable in this Test Report

(2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd
Add. : No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, People's Republic of China

IC-Registration	The Certificate Registration Number is 9270A. CAB identifier:CN0074
FCC- Accredited	Test Firm Registration Number: 463705. Designation Number: CN1184

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** %.

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKC01	ANSI	150 KHz ~ 30MHz	±2.80dB	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz~1000MHz	±2.64dB	
		1GHz~6GHz	±2.40dB	
		6GHz~26.5GHz	±2.52dB	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Earphone
Trade Mark	Blackview
Model Name	FitBuds H1
Family Model	N/A
Model Difference	N/A
Product Description	<table><tr><td>Connecting I/O port:</td><td>Type-C, Earphone</td></tr><tr><td>Operation Frequency:</td><td>2.4GHz</td></tr></table> Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.
Adapter	N/A
Battery	DC 3.7V 500mAh 1.85Wh
Power supply	DC 3.7V from battery or DC 5V from Charge port.
HW Version	JD-JL7018F6-A700-V2.0
FW Version	N/A
SW Version	V0.0.33

2.1.1 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.

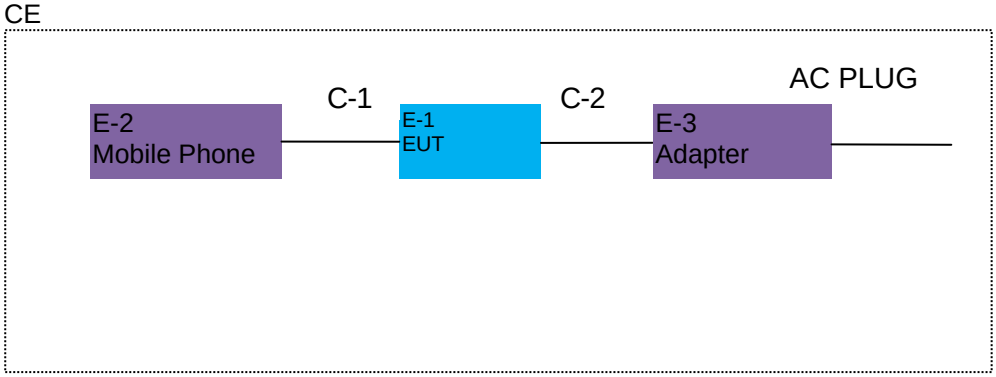
Pretest Mode	Description
Model 1	Charging + AUX In Playing

For Conducted Test	
Final Test Mode	Description
Model 1	Charging + AUX In Playing

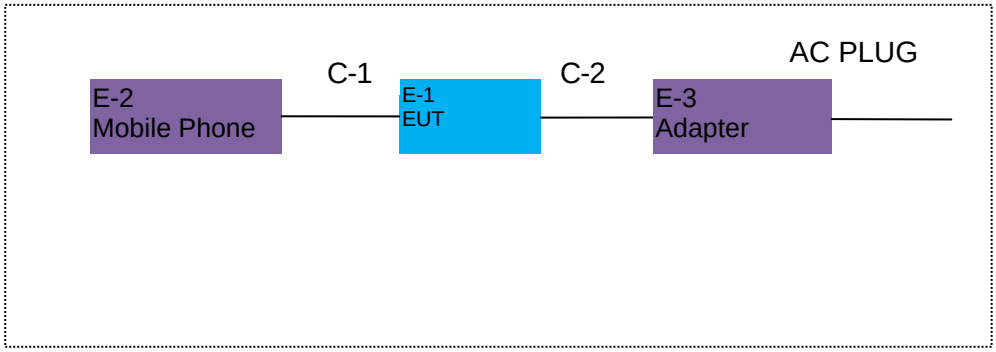
For Radiated Test	
Final Test Mode	Description
Model 1	Charging + AUX In Playing

2.2 DESCRIPTION OF TEST SETUP

CE



RE



2.3 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

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	Brand	Model/Type No.	Series No.	Note
E-1	Wireless Earphone	Blackview	FitBuds H1	N/A	EUT
E-2	Adapter	N/A	KSA29B0500200D5	N/A	AE
E-3	Mobile Phone	Redmi	Redmi K30 5G	N/A	AE

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	20cm	
C-2	NO	NO	100cm	

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『Length』column.
(3) “YES” means “shielded” “with core”; “NO” means “unshielded” “without core”.

2.4 MEASUREMENT INSTRUMENTS LIST

CONDUCTED TEST

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Single Phase LISN	R&S	ENV216	101490	Apr. 25, 2024	Apr. 24, 2025	1 year
2	Single Phase LISN	R&S	ENV216	101313	Apr. 25, 2024	Apr. 24, 2025	1 year
3	Three-Phase LISN	SCHWARZBECK	NNLK 8129	8129245	Apr. 25, 2024	Apr. 24, 2025	1 year
4	Low Frequency Cable	N/A	R-03	N/A	Apr. 25, 2024	Apr. 24, 2027	3 years
5	50Ω Coaxial Switch	Anritsu	MP59B	6200983704	Apr. 26, 2024	Apr. 25, 2027	3 years
6	EMI Test Receiver	R&S	ESCI	101160	Apr. 26, 2024	Apr. 25, 2025	1 year
7	EMI Test Receiver	R&S	ESPI3	101417	May 15, 2024	May 14, 2025	1 year
8	EMI Test Receiver	R&S	ESPI3	100145	Apr. 26, 2024	Apr. 25, 2025	1 year
9	DC-AMN LISN	SCHWARZBECK	PVDC 8301	8301-00117	Apr. 26, 2024	Apr. 25, 2025	1 year
10	Single Phase LISN	R&S	ENV216	102849	Apr. 26, 2024	Apr. 25, 2025	1 year
11	Single Phase LISN	R&S	ENV216	102827	Apr. 26, 2024	Apr. 25, 2025	1 year

RADIATED TEST

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	3m Anechoic Chamber	N/A	9*6*6	N/A	Jun. 07, 2024	Jun. 06, 2027	3 years
2	3m Anechoic Chamber	N/A	9*6*6	N/A	Jun. 18, 2024	Jun. 17, 2027	3 years
3	EMI Test Receiver	R&S	ESPI7	101318	Apr. 26, 2024	Apr. 25, 2025	1 year
4	Bilog Antenna	TESEQ	CBL6111D	31216	May 12, 2024	May 11, 2025	1 year
5	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	Apr. 26, 2024	Apr. 25, 2027	3 years
6	Cable	Talent Microwave	A81-NWMSMAM-12M	21120897	Apr. 26, 2024	Apr. 25, 2027	3 years
7	Cable	Talent Microwave	A81-NMNM-10M	24012011	Apr. 26, 2024	Apr. 25, 2027	3 years
8	Cable	Talent Microwave	A81-NMNM-10M	22084896	Apr. 26, 2024	Apr. 25, 2027	3 years
9	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	675	May 18, 2024	May 17, 2025	1 year
10	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	584	May 25, 2024	May 24, 2025	1 year
11	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	586	May 12, 2024	May 11, 2025	1 year
12	Cable	Talent Microwave	A81-NMNM-2M	22084895	Apr. 26, 2024	Apr. 25, 2027	3 years
13	Attenuator	Eastsheep	5W-N-JK-6G-6DB	N/A	Apr. 25, 2024	Apr. 24, 2025	1 year
14	Attenuator	Eastsheep	5W-N-JK-6G-6DB	N/A	Apr. 26, 2024	Apr. 25, 2025	1 year
15	Broadband Horn Antenna	EM	EM-AH-10180	2011071402	May 12, 2024	May 11, 2027	3 years
16	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	2816	May 18, 2024	May 17, 2027	3 years
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	2817	May 12, 2024	May 11, 2027	3 years
18	Spectrum Analyzer	Keysight	N9020A	MY53280244	Apr. 25, 2024	Apr. 24, 2025	1 year
19	Spectrum Analyzer	Agilent	E4440A	MY41000130	Apr. 26, 2024	Apr. 25, 2025	1 year
20	Pre-Amplifier	EMC	EMC051835SE	980246	Apr. 25, 2024	Apr. 24, 2025	1 year
21	PREAMPLIFIER	Agilent	8449B	30008A01520	Apr. 26, 2024	Apr. 25, 2025	1 year
22	Low Noise Amplifier	B&Z	BZ-P540-550850-452727	16476-11729	Apr. 25, 2024	Apr. 24, 2025	1 year

23	Cable	Keysight	A40-2.92M 2.92M-2M	1808041	Apr. 26, 2024	Apr. 25, 2027	3 years
24	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	803	May 12, 2024	May 11, 2027	3 years

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

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

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

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.

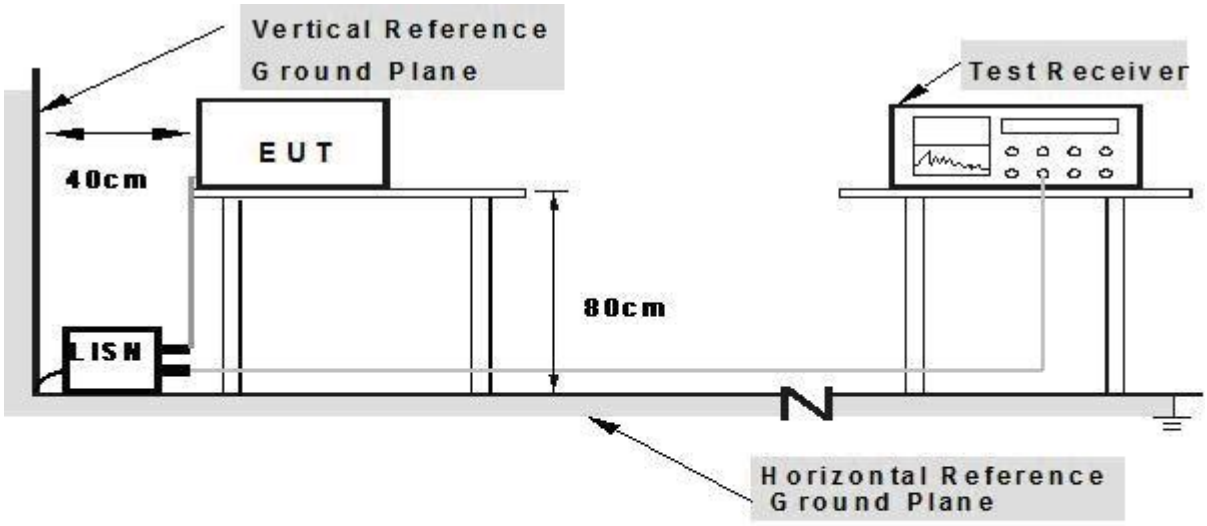
The following table is the setting of the receiver

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

3.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 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.

3.1.3 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

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

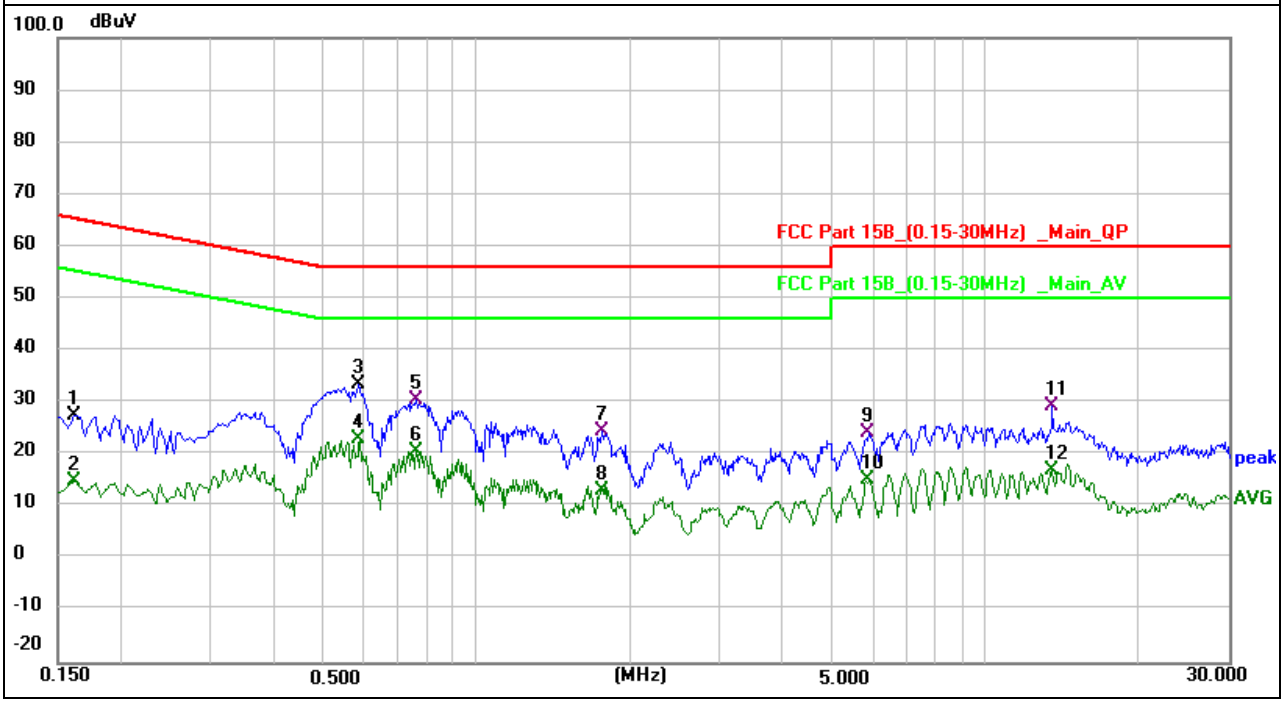
3.1.5 TEST RESULTS

EUT:	Wireless Earphone	Model Name. :	FitBuds H1
Temperature:	25.6 ℃	Relative Humidity:	56.3%
Pressure:	1010hPa	Test Date:	2025/03/05
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 5V Powered by adapter AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1620	17.61	10.02	27.63	65.36	-37.73	peak
0.1620	5.03	10.02	15.05	55.36	-40.31	AVG
0.5860	22.73	10.87	33.60	56.00	-22.40	peak
0.5899	12.04	10.87	22.91	46.00	-23.09	AVG
0.7620	19.17	11.24	30.41	56.00	-25.59	QP
0.7620	9.39	11.24	20.63	46.00	-25.37	AVG
1.7660	11.20	13.33	24.53	56.00	-31.47	QP
1.7660	-0.17	13.33	13.16	46.00	-32.84	AVG
5.8859	13.94	10.23	24.17	60.00	-35.83	QP
5.8859	5.03	10.23	15.26	50.00	-34.74	AVG
13.5300	31.35	-1.97	29.38	60.00	-30.62	QP
13.5300	19.13	-1.97	17.16	50.00	-32.84	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.

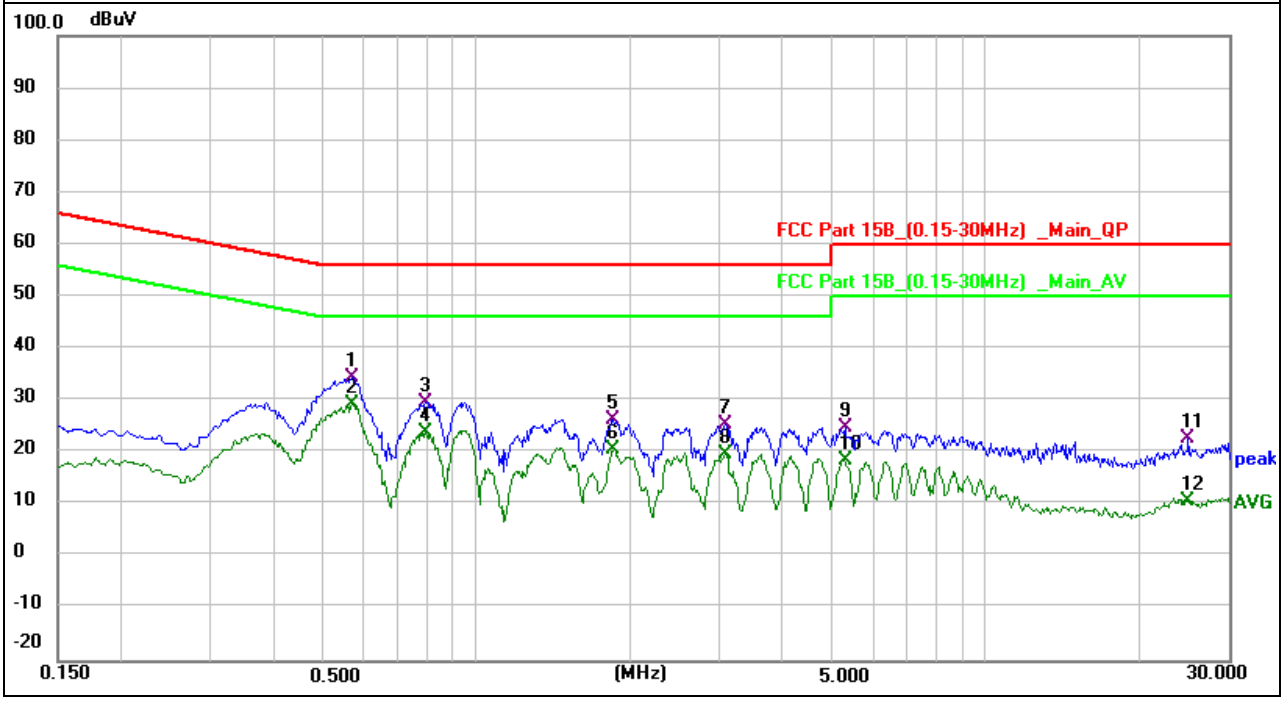


EUT:	Wireless Earphone	Model Name. :	FitBuds H1
Temperature:	25.8 ℃	Relative Humidity:	56.3%
Pressure:	1010hPa	Test Date:	2025/03/05
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 5V Powered by adapter AC 120V/60Hz		

Frequency (MHz)	Reading Level (dBμV)	Correct Factor (dB)	Measure-ment (dBμV)	Limits (dBμV)	Margin (dB)	Remark
0.5700	24.41	10.11	34.52	56.00	-21.48	QP
0.5700	19.22	10.11	29.33	46.00	-16.67	AVG
0.7940	19.21	10.58	29.79	56.00	-26.21	QP
0.7940	13.46	10.58	24.04	46.00	-21.96	AVG
1.8580	13.58	12.77	26.35	56.00	-29.65	QP
1.8580	7.82	12.77	20.59	46.00	-25.41	AVG
3.0740	16.32	9.15	25.47	56.00	-30.53	QP
3.0740	10.66	9.15	19.81	46.00	-26.19	AVG
5.2860	15.36	9.37	24.73	60.00	-35.27	QP
5.2860	9.24	9.37	18.61	50.00	-31.39	AVG
25.0540	10.17	12.56	22.73	60.00	-37.27	QP
25.0540	-1.70	12.56	10.86	50.00	-39.14	AVG

Remark:

1. All readings are Quasi-Peak and Average values.
2. Factor = Insertion Loss + Cable Loss.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30 ~ 88	39.0	40.0
88 ~ 216	43.5	43.5
216 ~ 960	46.5	46.0
Above 960	49.5	54.0

Notes:

(1) The limit for radiated test was performed according to as following: FCC PART 15B /ICES-003.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

Test Arrangement for Radiated Emissions up to 1 GHz

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited test facility. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for quasi-peak detection (QP) at frequency below 1GHz.

Test Arrangement for Radiated Emissions above 1 GHz.

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at an accredited chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The height of antenna can be varied from one meter to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength.Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

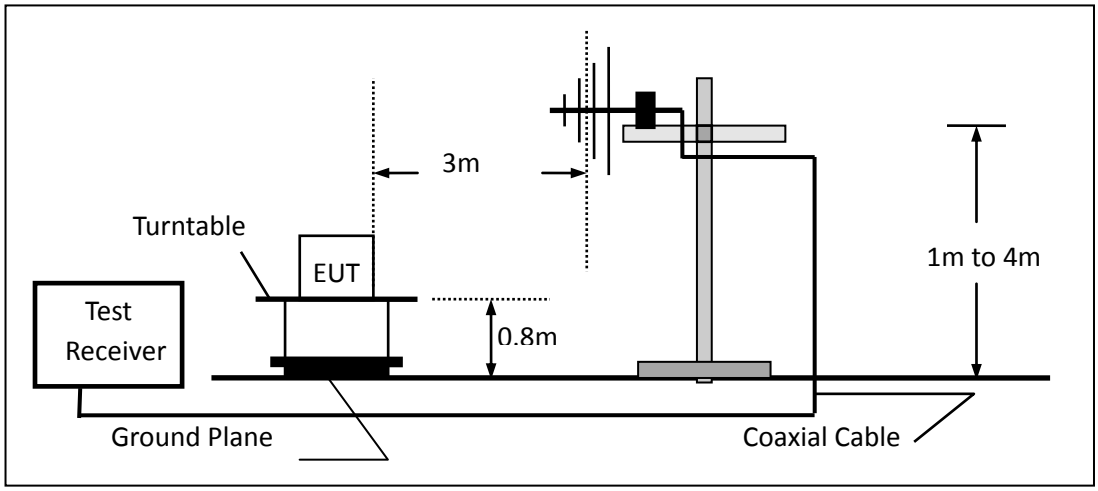
Note：For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

During the radiated emission test, according to ANSI C63.4-2014(4.2), the Spectrum Analyzer was set with the following configurations:

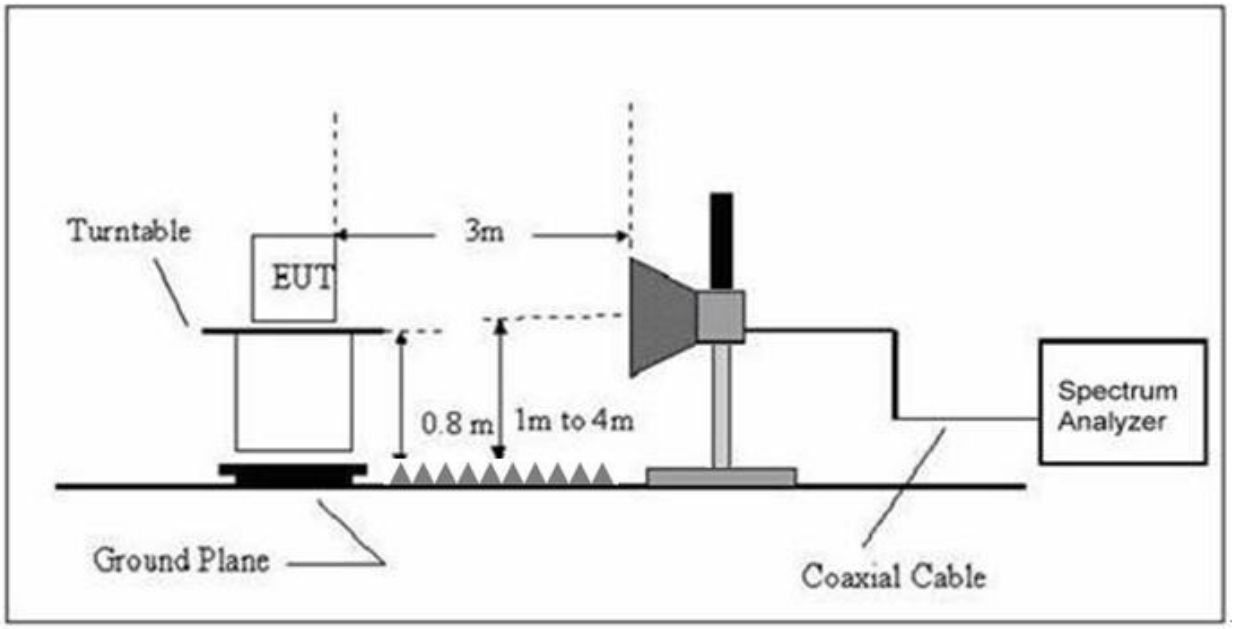
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	3 MHz
	Avg	1 MHz	10 Hz

3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz



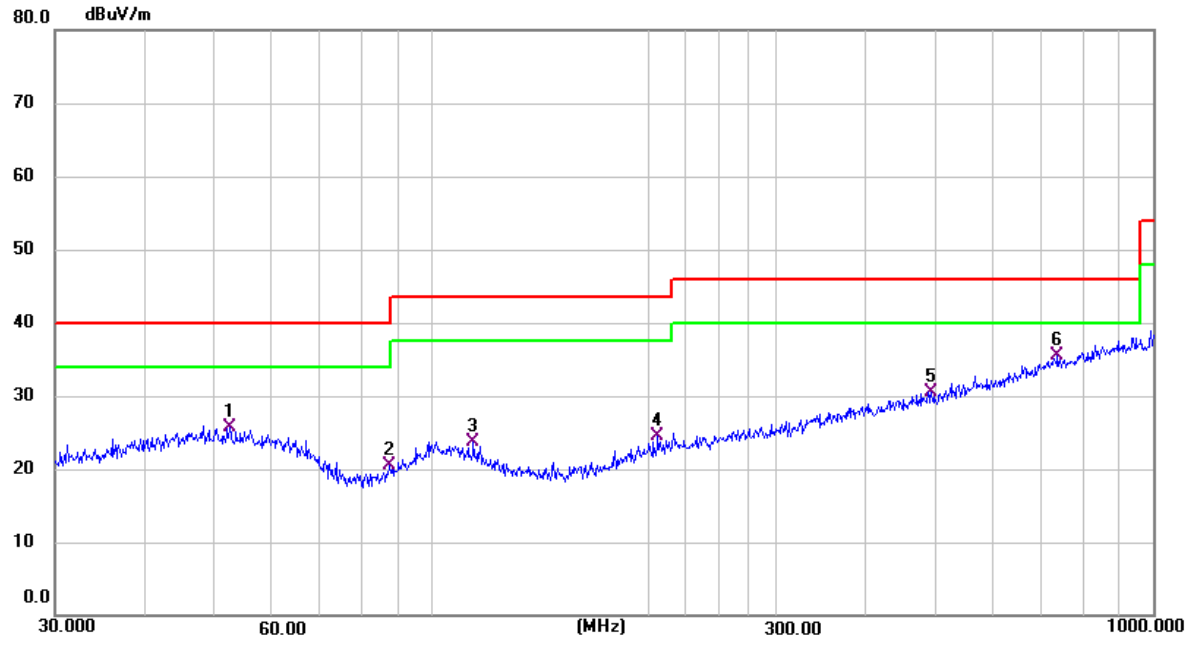
3.2.4 TEST RESULTS

TEST RESULTS (30~1000 MHz)

EUT:	Wireless Earphone	Model Name:	FitBuds H1
Temperature:	25.1 ℃	Relative Humidity:	50%
Pressure:	1010 hPa	Test Date :	2025/03/04
Test Mode :	Mode 1	Polarization :	Horizontal
Test Power :	DC 5V Powered by adapter AC 120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
H	52.3912	6.13	19.49	25.62	40.00	-14.38	QP
H	87.4177	5.33	15.09	20.42	40.00	-19.58	QP
H	114.1138	6.60	17.11	23.71	43.50	-19.79	QP
H	205.6751	6.32	18.13	24.45	43.50	-19.05	QP
H	492.4685	6.11	24.42	30.53	46.00	-15.47	QP
H	737.0714	6.66	28.83	35.49	46.00	-10.51	QP

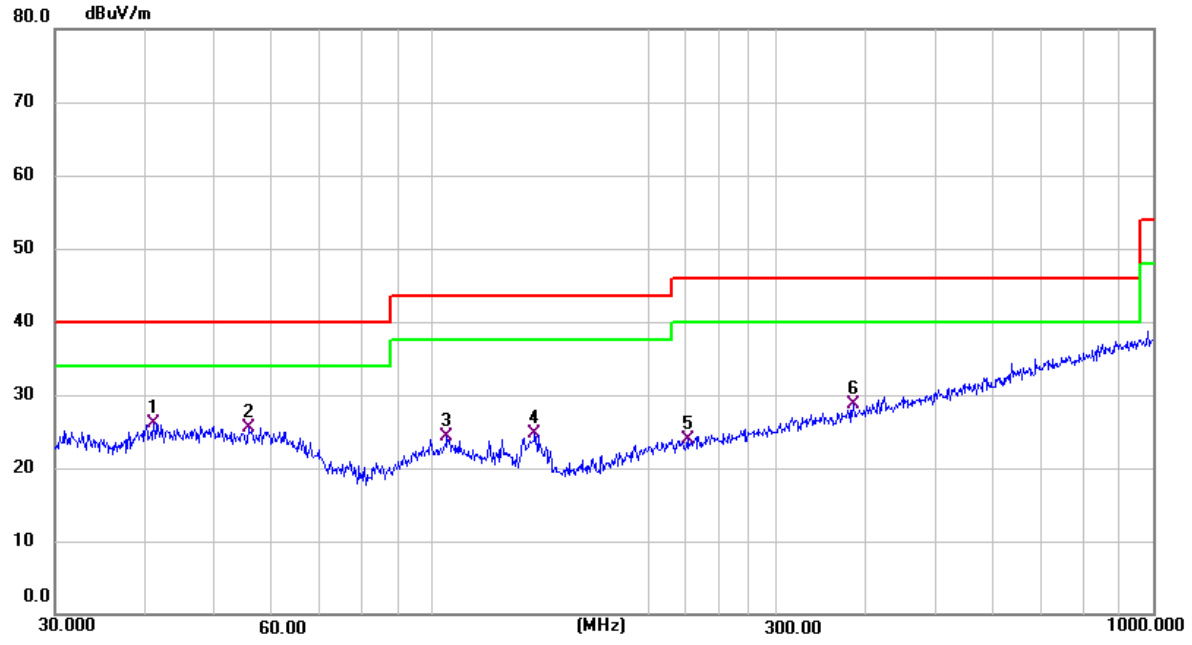
Remark:
Factor = Antenna Factor + Cable Loss - Amplifier.



EUT:	Wireless Earphone	Model Name :	FitBuds H1
Temperature:	25.1 ℃	Relative Humidity:	50%
Pressure:	1010 hPa	Test Date :	2025/03/04
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	DC 5V Powered by adapter AC 120V/60Hz		

Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Factor (dB)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
V	41.1320	7.32	18.77	26.09	40.00	-13.91	QP
V	55.6094	6.06	19.45	25.51	40.00	-14.49	QP
V	104.9033	6.11	18.19	24.30	43.50	-19.20	QP
V	138.8735	10.20	14.48	24.68	43.50	-18.82	QP
V	226.0994	5.38	18.61	23.99	46.00	-22.01	QP
V	383.9318	6.05	22.60	28.65	46.00	-17.35	QP

Remark:
Factor = Antenna Factor + Cable Loss - Amplifier.



3.2.5 TEST RESULTS(1000~18000MHz)

EUT:	Wireless Earphone	Model Name :	FitBuds H1
Temperature:	25.3 ℃	Relative Humidity:	52%
Pressure:	1010 hPa	Test Date :	2025/03/05
Test Mode :	Mode 1		
Test Power :	DC 5V Powered by adapter AC 120V/60Hz		

All the modulation modes have been tested, and the worst result was report as below:

Polar (H/V)	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
V	1051.000	48.23	-7.85	40.38	74.00	-33.62	peak
V	2428.000	50.19	-5.25	44.94	74.00	-29.06	peak
V	3907.000	45.46	-1.02	44.44	74.00	-29.56	peak
V	5165.000	44.60	2.23	46.83	74.00	-27.17	peak
V	6202.000	44.11	3.92	48.03	74.00	-25.97	peak
V	7834.000	44.78	7.31	52.09	74.00	-21.91	peak
V	7834.510	34.20	7.31	41.51	54.00	-12.49	AVG
H	1102.000	48.42	-7.81	40.61	74.00	-33.39	peak
H	2972.000	44.96	-3.19	41.77	74.00	-32.23	peak
H	4145.000	44.80	-0.38	44.42	74.00	-29.58	peak
H	4570.000	44.83	0.53	45.36	74.00	-28.64	peak
H	6525.000	44.65	5.04	49.69	74.00	-24.31	peak
H	10027.000	45.21	10.43	55.64	74.00	-18.36	peak
H	10027.510	30.08	10.43	40.51	54.00	-13.49	AVG

Remark:
Result = Reading + Correct, Over Limit= Result - Limit
Note: Only the worst results data points are reported in the report.
Other emissions are attenuated 20dB below the limit that does not recorded in the report.

END OF REPORT