

FCC Test Report

FCC ID: SOV-HCNA101SOXYSD

Product: Sound Dock
Trade Mark: HCN
Model Number: HCNA101SOXYSD
Family Model: N/A
Report No.: S24031107501003

Prepared for

Archos SA.

12, rue Ampere, 91430 Igny, France

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name.....: Archos SA.

Address.....: 12, rue Ampere, 91430 Igny, France

Manufacturer's Name.....: Pipo Technology Co.,LtdAddress.....: Area C&B,3F,Warehouse Building, Bao Yun Da Logistics Center,
Xixiang Blvd, BaoAn District, ShenZhen city, Guangdong Province,
China**Product description**

Product name.....: Sound Dock

Model and/or type reference : HCNA101SOXYSD

Family Model.....: N/A

Standards.....: FCC Part15B
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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Test Sample Number.....: S230529035006**Date of Test**Date (s) of performance of tests: May 30, 2023 ~ Jul 31, 2023
Feb 20, 2024 ~ Feb 26, 2024

Date of Issue: Apr 01, 2024

Test Result.....: **Pass**

*Note: A Part of test data of this report are based on the original test report
S24022002602003 dated by Feb 26, 2024*

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Revision History

Report No.	Version	Description	Issued Date
S23052903510003	Rev.01	Initial issue of report	Jul 31, 2023
S24022002602003	Rev.02	Added adapter and CONDUCTED EMISSIONS, radiated emission below 1GHz (30MHz to 1GHz) test datas	Feb 26, 2024
S24031107501003	Rev.03	Updated motherboard, small board, Updated radiated emission below 1GHz&Above 1G	Apr 01, 2024

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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. : 1/F, Building E, Fenda Science Park, Sanwei Community,
 Xixiang Street Bao'an District, Shenzhen 518126 P.R. 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 $y \pm U$, 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	$\pm 2.80\text{dB}$	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
NTEKA01	ANSI	30MHz~1000MHz	$\pm 2.64\text{dB}$	
		1GHz~6GHz	$\pm 2.40\text{dB}$	
		6GHz~26.5GHz	$\pm 2.52\text{dB}$	

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Sound Dock	
Trade Mark	HCN	
Model Name	HCNA101SOXYSD	
Family Model	N/A	
Model Difference	N/A	
Product Description	Connecting I/O port:	Micro USB, Earphone
	Operation Frequency:	2.4GHz
	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	Adapter 1: MODEL: FX48U-190300C INPUT: 100-240V~ 50/60Hz 1.0A OUTPUT: 19V ---3A Adapter 2: MODEL: FX36U-120300C INPUT: 100-240V~50/60Hz, 0.8A OUTPUT: 12V ---3A (36.0W)	
Battery	N/A	
Power supply	DC 19V OR 12V from adapter	
HW Version	BT Docking V1.0	
SW Version	HCN_Docking_7006F_20230705	

2.1.1 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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	BT Playing + Full Load

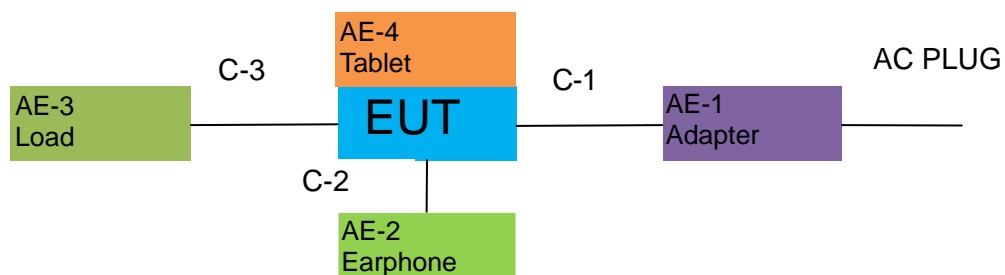
For Conducted Test	
Final Test Mode	Description
Model 1	BT Playing + Full Load

For Radiated Test	
Final Test Mode	Description
Model 1	BT Playing + Full Load

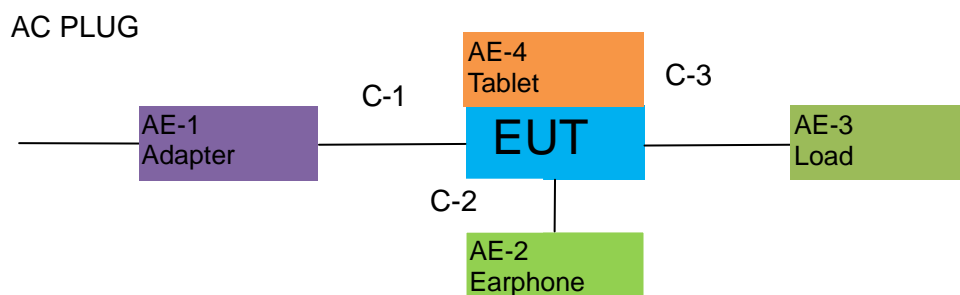
Note: Final Test Mode: Through Pre-scan, find the model 1 is the worst case.
Only the worst case mode is recorded in the report.

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	Model/Type No.	Series No.	Note
	Sound Dock	HCNA101SOXYSD	N/A	EUT
AE-1	Adapter 1	FX48U-190300C	N/A	Peripherals
	Adapter 2	FX36U-120300C	N/A	Peripherals
AE-2	Earphone	N/A	N/A	Peripherals
AE-3	Load	N/A	N/A	Peripherals
AE-4	Tablet	N/A	N/A	Peripherals

Item	Cable Type	Shielded Type	Ferrite Core	Length	Note
C-1	Power Cable	NO	YES	1..2m	
C-2	Earphone Cable	NO	NO	1.2m	
C-3	Power Cable	NO	NO	1.0m	
C-4	RF Cable	YES	NO	0.1m	

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

Radiation Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Spectrum Analyzer	Agilent	E4407B	MY45108040	2023.03.27	2024.03.26	1 year
2	Test Receiver	R&S	ESPI	101318	2023.03.27	2024.03.26	1 year
3	Bilog Antenna	TESEQ	CBL6111D	31216	2023.03.27	2024.03.26	1 year
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	2023.05.06	2026.05.05	3 year
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	2023.03.27	2024.03.26	1 year
6	Horn Antenna	EM	EM-AH-10180	2011071402	2023.03.27	2024.03.26	1 year
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	2022.11.08 2023.05.29	2023.11.07 2024.05.28	1 year
8	Amplifier	EMC	EMC051835SE	980246	2023.05.29	2024.05.28	1 year
9	Loop Antenna	ARA	PLA-1030/B	1029	2023.03.27	2024.03.26	1 year
10	Power Meter	DARE	RPR3006W	15I00041SN O84	2022.11.08 2023.05.29	2023.11.07 2024.05.28	1 year
11	Power Sensor	R&S	URV4-Z4	0395.1619.05	2023.05.29	2024.05.28	1 year
12	Test Cable (30MHz-1GHz)	N/A	R-02	N/A	2022.06.17	2025.06.16	3 year
13	High Test Cable(1G-40G Hz)	N/A	R-03	N/A	2022.06.17	2025.06.16	3 year
14	High Test Cable(1G-40G Hz)	N/A	R-04	N/A	2022.06.17	2025.06.16	3 year
15	Test Receiver	R&S	ESCI	101160	2023.03.27	2024.03.26	1 year

AC Conduction Test equipment

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Test Receiver	R&S	ESCI	101160	2023.03.27	2024.03.26	1 year
2	LISN	R&S	ENV216	101313	2023.03.27	2024.03.26	1 year
3	LISN	SCHWARZBECK	NNLK 8129	8129245	2023.03.27	2024.03.26	1 year
4	50Ω Coaxial Switch	ANRITSU CORP	MP59B	6200983704	2023.05.06	2026.05.05	3 year
5	Test Cable (9KHz-30MHz)	N/A	C01	N/A	2023.05.06	2026.05.05	3 year
6	Test Cable (9KHz-30MHz)	N/A	C02	N/A	2023.05.06	2026.05.05	3 year
7	Test Cable (9KHz-30MHz)	N/A	C03	N/A	2023.05.06	2026.05.05	3 year

Note: Each piece of equipment is scheduled for calibration once a year except the Test Cable which is scheduled for calibration every 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.

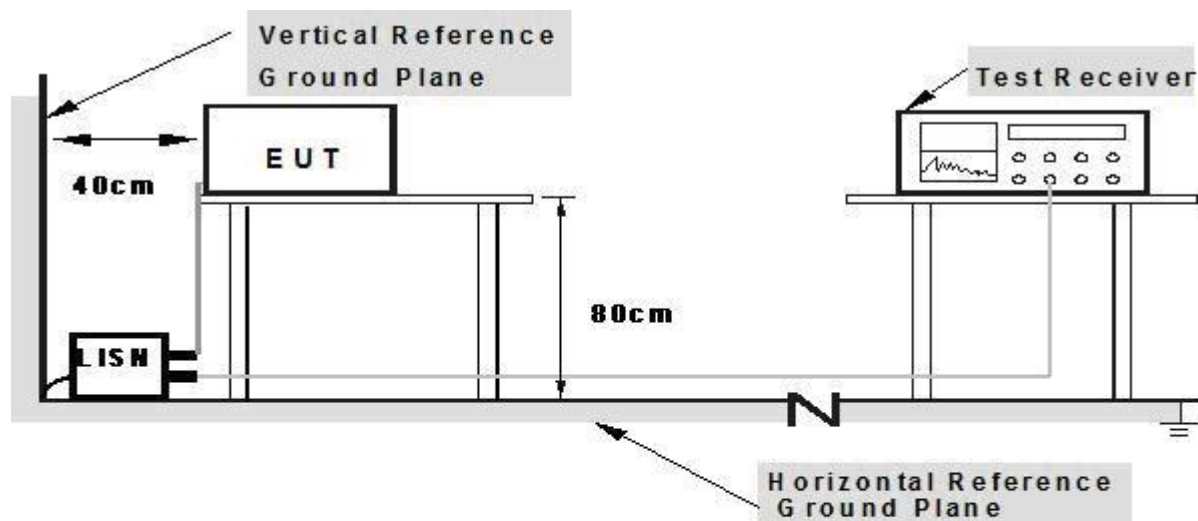
The following table is the setting of the receiver

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

3.1.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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.

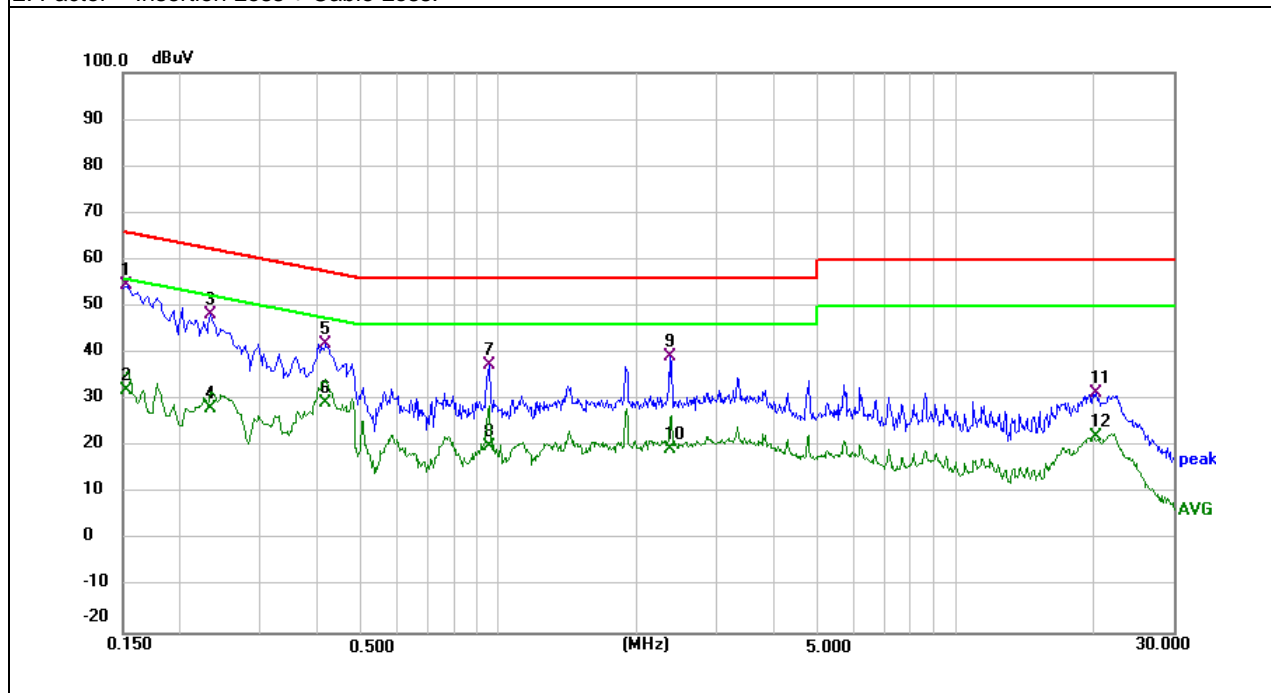
3.1.5 TEST RESULTS

EUT:	Sound Dock	Model Name. :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2023-07-21
Test Mode:	Mode 1	Phase :	L
Test Voltage:	DC 19V from Adapter AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	44.54	9.93	54.47	65.79	-11.32	QP
0.1539	22.09	9.93	32.02	55.79	-23.77	AVG
0.2340	38.24	10.10	48.34	62.31	-13.97	QP
0.2340	18.05	10.10	28.15	52.31	-24.16	AVG
0.4180	31.54	10.49	42.03	57.49	-15.46	QP
0.4180	18.81	10.49	29.30	47.49	-18.19	AVG
0.9500	25.81	11.56	37.37	56.00	-18.63	QP
0.9500	8.64	11.56	20.20	46.00	-25.80	AVG
2.3660	29.53	9.66	39.19	56.00	-16.81	QP
2.3660	9.67	9.66	19.33	46.00	-26.67	AVG
20.3260	21.64	9.71	31.35	60.00	-28.65	QP
20.3260	12.31	9.71	22.02	50.00	-27.98	AVG

Remark:

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

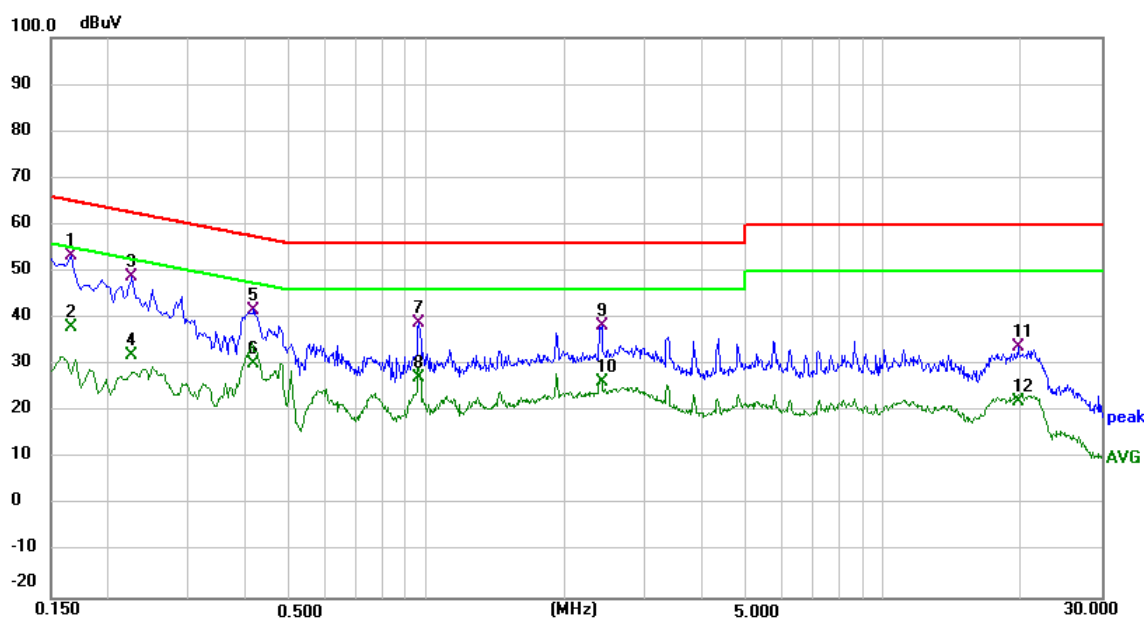


EUT:	Sound Dock	Model Name. :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2023-07-21
Test Mode:	Mode 1	Phase :	N
Test Voltage:	DC 19V from Adapter AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1660	43.34	9.97	53.31	65.16	-11.85	QP
0.1660	28.05	9.97	38.02	55.16	-17.14	AVG
0.2260	38.90	10.10	49.00	62.60	-13.60	QP
0.2260	22.05	10.10	32.15	52.60	-20.45	AVG
0.4180	31.31	10.49	41.80	57.49	-15.69	QP
0.4180	19.71	10.49	30.20	47.49	-17.29	AVG
0.9620	27.39	11.58	38.97	56.00	-17.03	QP
0.9620	15.67	11.58	27.25	46.00	-18.75	AVG
2.4140	28.75	9.66	38.41	56.00	-17.59	QP
2.4140	16.70	9.66	26.36	46.00	-19.64	AVG
19.7180	24.00	9.72	33.72	60.00	-26.28	QP
19.7180	12.43	9.72	22.15	50.00	-27.85	AVG

Remark:

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

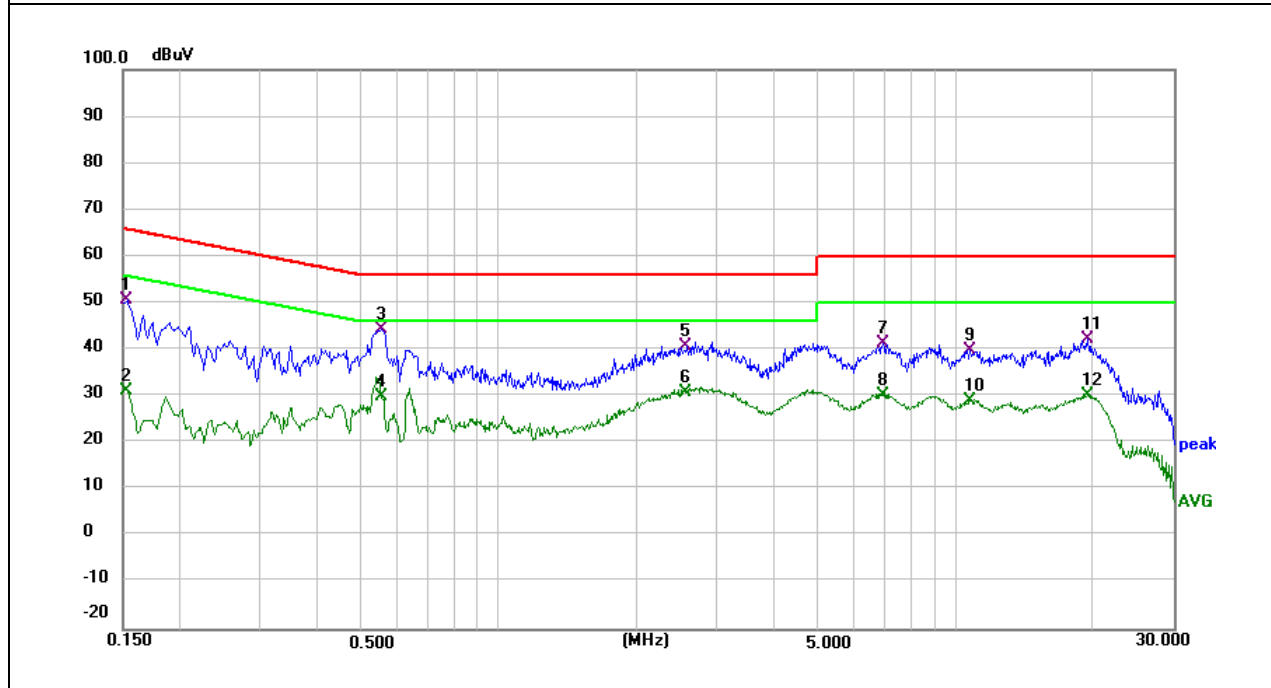


EUT:	Sound Dock	Model Name. :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2024-02-23
Test Mode:	Mode 1-Adapter 2	Phase :	L
Test Voltage:	DC 12V from Adapter AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.1539	40.62	9.93	50.55	65.79	-15.24	QP
0.1539	21.14	9.93	31.07	55.79	-24.72	AVG
0.5540	33.53	10.75	44.28	56.00	-11.72	QP
0.5540	19.35	10.75	30.10	46.00	-15.90	AVG
2.5540	31.05	9.67	40.72	56.00	-15.28	QP
2.5540	21.21	9.67	30.88	46.00	-15.12	AVG
6.9340	31.70	9.68	41.38	60.00	-18.62	QP
6.9340	20.66	9.68	30.34	50.00	-19.66	AVG
10.7420	30.04	9.69	39.73	60.00	-20.27	QP
10.7420	19.33	9.69	29.02	50.00	-20.98	AVG
19.4500	32.48	9.72	42.20	60.00	-17.80	QP
19.4500	20.65	9.72	30.37	50.00	-19.63	AVG

Remark:

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

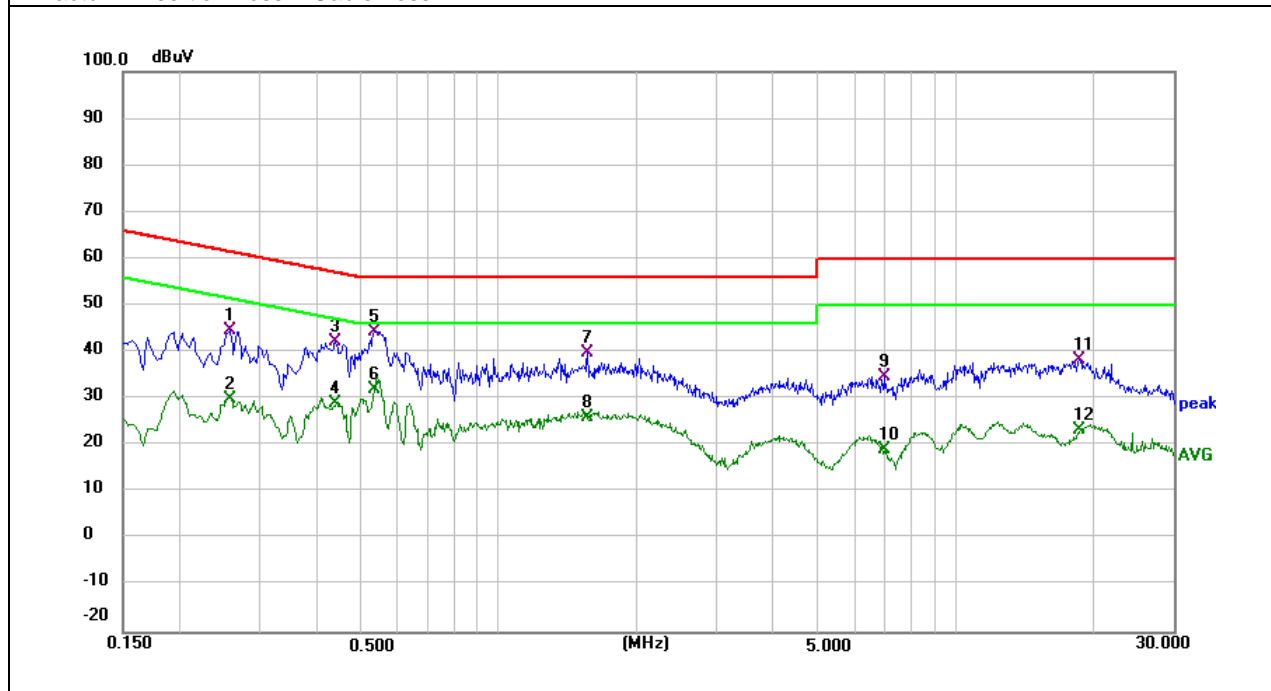


EUT:	Sound Dock	Model Name. :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	52%
Pressure:	1010hPa	Test Date:	2024-02-23
Test Mode:	Mode 1-Adapter 2	Phase :	N
Test Voltage:	DC 12V from Adapter AC 120V/60Hz		

Frequency	Reading Level	Correct Factor	Measure-ment	Limits	Margin	Remark
(MHz)	(dBμV)	(dB)	(dBμV)	(dBμV)	(dB)	
0.2580	34.42	10.16	44.58	61.50	-16.92	QP
0.2580	19.78	10.16	29.94	51.50	-21.56	AVG
0.4380	31.78	10.53	42.31	57.10	-14.79	QP
0.4380	18.61	10.53	29.14	47.10	-17.96	AVG
0.5340	33.64	10.71	44.35	56.00	-11.65	QP
0.5340	21.43	10.71	32.14	46.00	-13.86	AVG
1.5660	26.96	12.80	39.76	56.00	-16.24	QP
1.5660	13.38	12.80	26.18	46.00	-19.82	AVG
6.9580	24.99	9.68	34.67	60.00	-25.33	QP
6.9580	9.33	9.68	19.01	50.00	-30.99	AVG
18.6900	28.52	9.72	38.24	60.00	-21.76	QP
18.6900	13.55	9.72	23.27	50.00	-26.73	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.

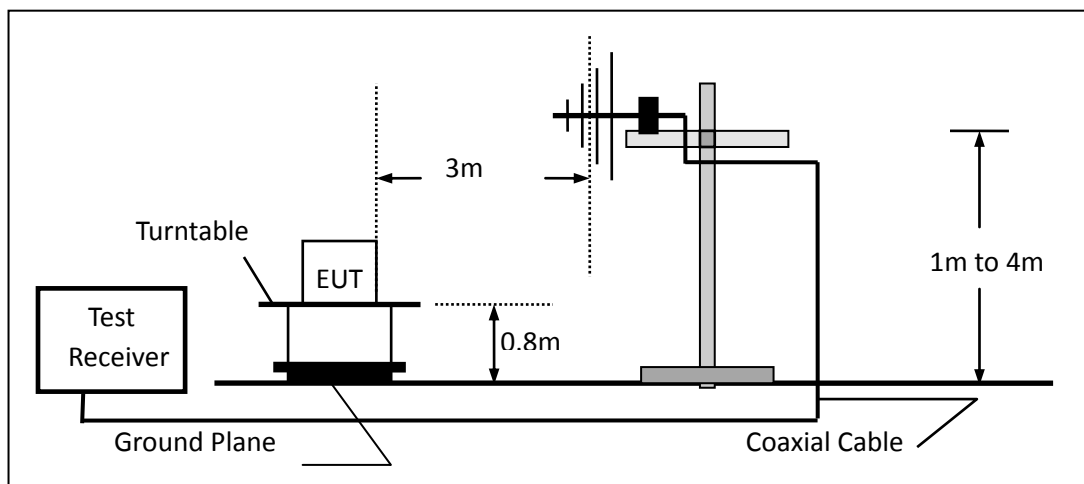
Note: For the hand-held device, the EUT should be measured for all 3 axes and only the worst case is recorded in the report

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

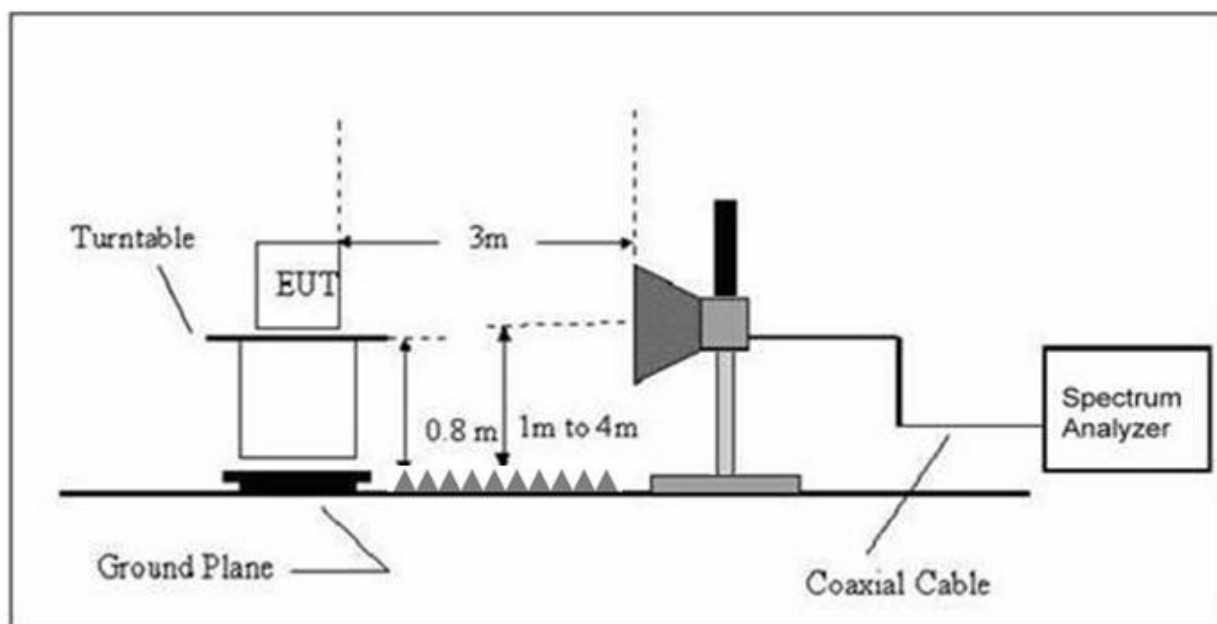
Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	3 MHz
	Avg	1 MHz	10 Hz

3.2.3 TEST SETUP

For Radiated Emission 30~1000MHz



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



3.2.4 TEST RESULTS

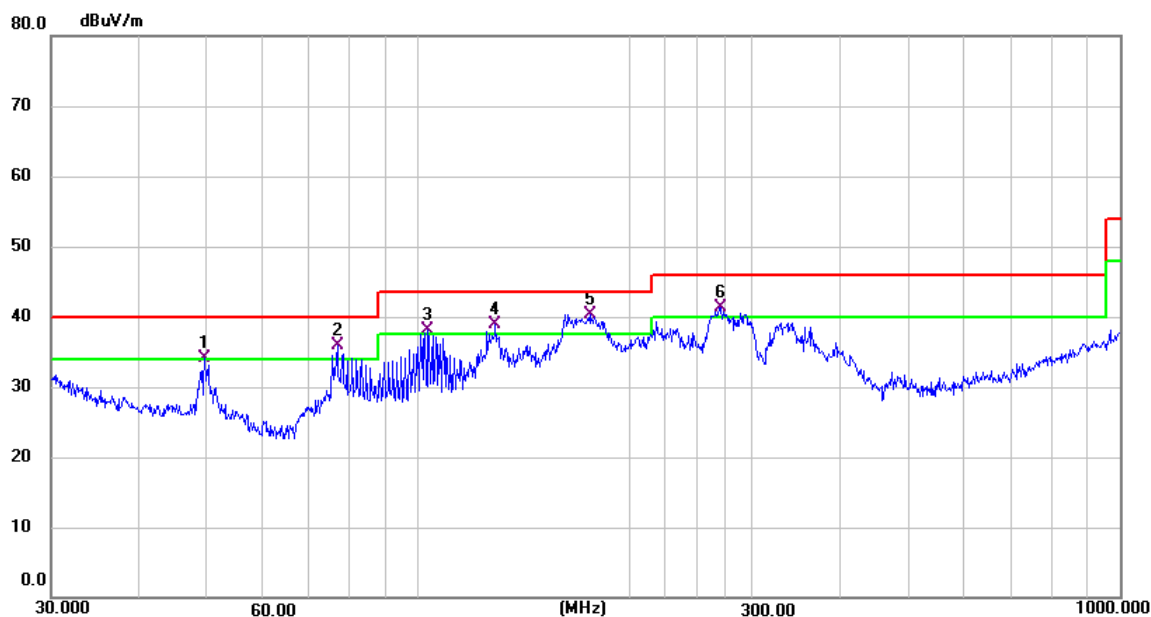
TEST RESULTS (30~1000 MHz)

EUT:	Sound Dock	Model Name:	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2023-07-21
Test Mode :	Mode 1	Polarization :	Horizontal
Test Power :	DC 19V from Adapter AC 120V/60Hz		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
H	49.7066	18.72	15.31	34.03	40.00	-5.97	QP
H	76.7806	21.22	14.67	35.89	40.00	-4.11	QP
H	103.4419	20.31	17.85	38.16	43.50	-5.34	QP
H	129.0141	20.26	18.71	38.97	43.50	-4.53	QP
H	175.6516	23.35	17.00	40.35	43.50	-3.15	QP
H	269.4282	21.67	19.65	41.32	46.00	-4.68	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

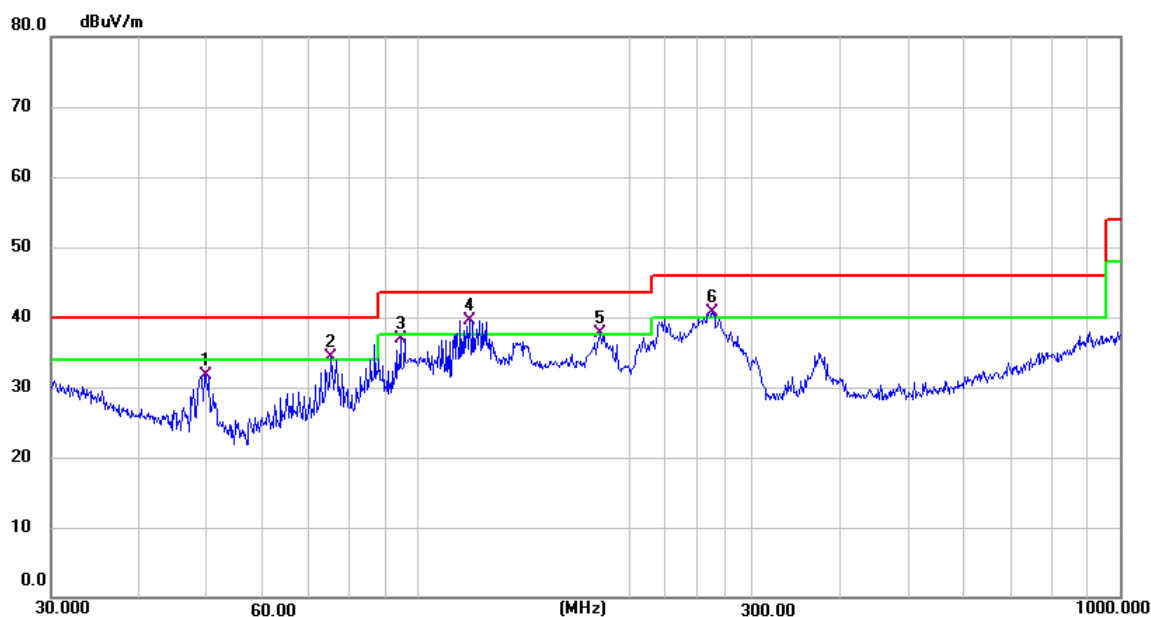


EUT:	Sound Dock	Model Name :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2023-07-21
Test Mode :	Mode 1	Polarization :	Vertical
Test Power :	DC 19V from Adapter AC 120V/60Hz		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	49.8813	16.58	15.21	31.79	40.00	-8.21	QP
V	75.1821	19.95	14.37	34.32	40.00	-5.68	QP
V	94.4282	19.86	17.08	36.94	43.50	-6.56	QP
V	118.6012	21.00	18.57	39.57	43.50	-3.93	QP
V	181.9200	21.15	16.65	37.80	43.50	-5.70	QP
V	262.8955	21.34	19.44	40.78	46.00	-5.22	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

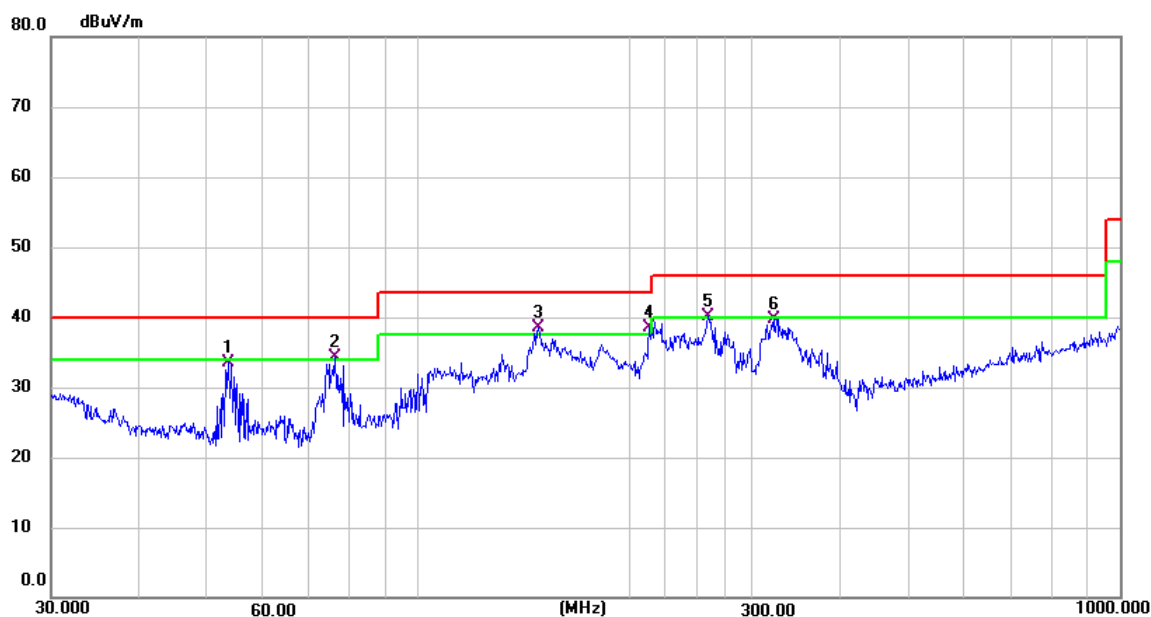


EUT:	Sound Dock	Model Name:	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2024-02-23
Test Mode :	Mode 1-Adapter 2	Polarization :	Horizontal
Test Power :	DC 12V from Adapter AC 120V/60Hz		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
H	53.6931	20.06	13.38	33.44	40.00	-6.56	QP
H	76.2442	19.71	14.57	34.28	40.00	-5.72	QP
H	148.4410	20.15	18.40	38.55	43.50	-4.95	QP
H	213.7632	21.92	16.59	38.51	43.50	-4.99	QP
H	259.2336	20.87	19.31	40.18	46.00	-5.82	QP
H	322.1884	19.29	20.51	39.80	46.00	-6.20	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.

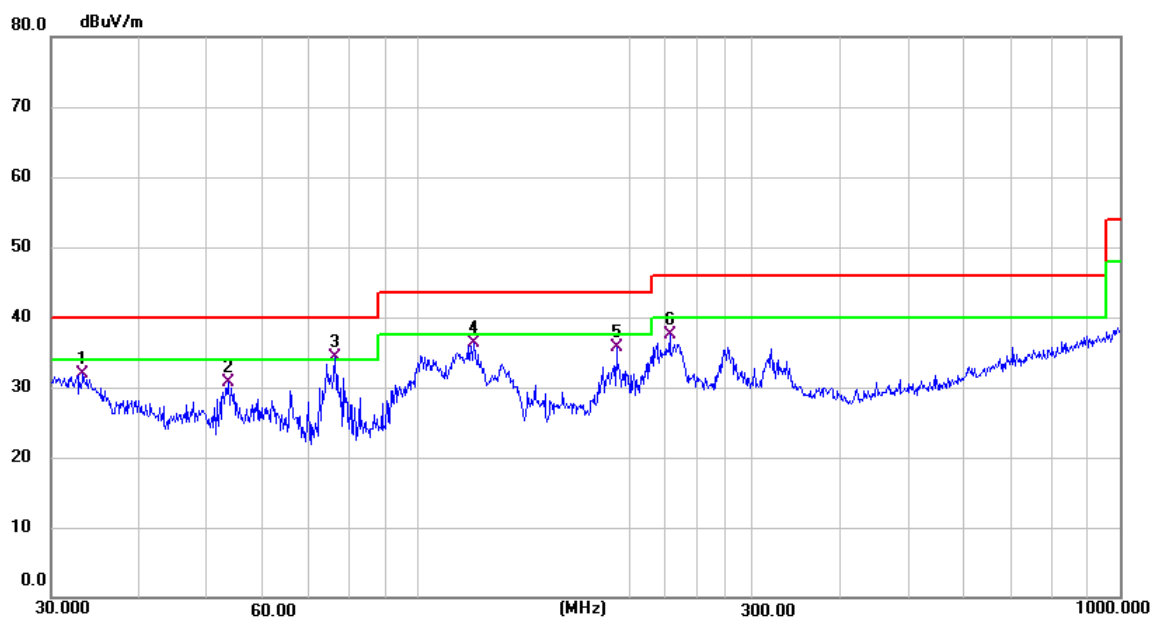


EUT:	Sound Dock	Model Name :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2024-02-23
Test Mode :	Mode 1-Adapter 2	Polarization :	Vertical
Test Power :	DC 12V from Adapter AC 120V/60Hz		

Polar (H/V)	Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	
V	33.3278	7.35	24.50	31.85	40.00	-8.15	QP
V	53.6931	17.29	13.38	30.67	40.00	-9.33	QP
V	76.2442	19.66	14.57	34.23	40.00	-5.77	QP
V	120.2766	17.70	18.61	36.31	43.50	-7.19	QP
V	191.7450	19.53	16.25	35.78	43.50	-7.72	QP
V	228.4901	20.31	17.22	37.53	46.00	-8.47	QP

Remark:

Factor = Antenna Factor + Cable Loss - Amplifier.



3.2.5 TEST RESULTS(1000~18000MHz)

EUT:	Sound Dock	Model Name :	HCNA101SOXYSD
Temperature:	24.5 °C	Relative Humidity:	55%
Pressure:	1010 hPa	Test Date :	2023-07-21
Test Mode :	Mode 1		
Test Power :	DC 19V from Adapter AC 120V/60Hz		

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

Polar (H/V)	Frequency	Reading	Correct	Result	Limit	Over Limit	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	
V	2428.000	65.59	-18.57	47.02	74.00	-26.98	peak
V	2428.000	54.89	-18.57	36.32	54.00	-17.68	AVG
V	4077.000	50.90	-14.67	36.23	74.00	-37.77	peak
V	4077.000	40.92	-14.67	26.25	54.00	-27.75	AVG
V	4944.000	51.34	-13.09	38.25	74.00	-35.75	peak
V	4944.000	41.24	-13.09	28.15	54.00	-25.85	AVG
V	6899.000	50.26	-9.25	41.01	74.00	-32.99	peak
V	6899.000	40.27	-9.25	31.02	54.00	-22.98	AVG
V	9296.000	48.47	-5.45	43.02	74.00	-30.98	peak
V	9296.000	38.47	-5.45	33.02	54.00	-20.98	AVG
V	9908.000	54.93	-5.22	49.71	74.00	-24.29	peak
V	9908.000	40.42	-5.22	35.20	54.00	-18.80	AVG
H	2428.000	63.00	-18.57	44.43	74.00	-29.57	peak
H	2428.000	51.89	-18.57	33.32	54.00	-20.68	AVG
H	3635.000	55.51	-15.55	39.96	74.00	-34.04	peak
H	3635.000	43.57	-15.55	28.02	54.00	-25.98	AVG
H	5471.000	60.27	-12.78	47.49	74.00	-26.51	peak
H	5471.000	47.98	-12.78	35.20	54.00	-18.80	AVG
H	7222.000	53.09	-8.42	44.67	74.00	-29.33	peak
H	7222.000	42.44	-8.42	34.02	54.00	-19.98	AVG
H	9704.000	53.52	-5.36	48.16	74.00	-25.84	peak
H	9704.000	41.69	-5.36	36.33	54.00	-17.67	AVG
H	13325.000	46.00	-1.04	44.96	74.00	-29.04	peak
H	13325.000	35.19	-1.04	34.15	54.00	-19.85	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