

REPORT

FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	NIMBLE FOR GOOD,PBC	5
Address	•••	1008 Brioso Drive, Costa Mesa, CA 92627	2
Equipment under Test	:	Nimble Apollo Wireless Stand	
Model No.		NB-WP-CD-ABLK	
Trade Mark	:	nimble	
FCC ID	•	2AZIONBWPCDABLK	
Manufacturer	:	NIMBLE FOR GOOD,PBC	
Address	:	1008 Brioso Drive, Costa Mesa, CA 92627	

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

- Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808
- Tel.: +86-0769-38826678, E-mail: ddt@dgddt.com, http://www.dgddt.com

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Test Report Declare

Applicant	:	NIMBLE FOR GOOD,PBC
Address	:	1008 Brioso Drive, Costa Mesa, CA 92627
Equipment under Test	:	Nimble Apollo Wireless Stand
Model No.	:	NB-WP-CD-ABLK
Trade Mark	:	nimble
Manufacturer		NIMBLE FOR GOOD,PBC
Address		1008 Brioso Drive, Costa Mesa, CA 92627

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C

Test procedure used:

ANSI C63.10:2013

We Declare: 6

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No.:	DDT-R22012512-2E01		D.C.
Date of Receipt:	Jan. 26, 2022	Date of Test:	Jan. 26, 2022 ~ Mar. 10, 2022

Prepared By:

Som L

Sam Li/Engineer



Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
	Initial issue	Mar. 10, 2022	0
		nP	7



1 Summary of Test Results

Description of Test Item	Standard	Results
20 dB Bandwidth	FCC Part 15: 15.215	Pass
Radiated Emission	FCC Part 15: 15.209	Pass
Power Line Conducted Emissions	FCC Part 15: 15.207	Pass
Antenna Requirement	FCC Part 15: 15.203	Pass

2 General Test Information

2.1. Description of EUT

Nimble Apollo Wireless Stand
NB-WP-CD-ABLK
Please reference user manual of this device
Input: DC 19V===1.3A from external SWITCHING ADAPTER Output: 5W, 7.5W, 10W, 15W
110 kHz - 147 kHz
Inductive loop coil antenna
Series production
N/A

Note: EUT is the abbreviation of equipment under test.

In section 15.31(m), regards to the operating frequency range less than 1 MHz, only one of channel was selected to perform the test.

Channel	Frequency (kHz)
Testing channel	127

2.2. Accessories of EUT

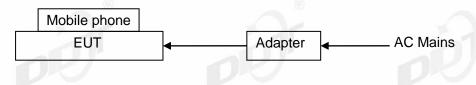
Accessories	Manufacturer	Model number	Description
	SHENZHEN		
SWITCHING	AQUILSTAR	ASSA67A-1901	Input: 100-240V~ 50/60Hz 0.8A
ADAPTER	TECHNOLOGY CO.,	30	Output: 19V===1.3A
	[®] LTD.	0	®

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	Other
Mobile phone	Apple	iPhone 12	N/A	N/A

2.4. Block diagram of EUT configuration for test

For mode 1: Tx mode (5W load, 10W load, 15W load):



For mode 2: Standby mode:



Note: 1. Scan with mode 1 and mode 2, the worst case is mode 1 Tx mode (15W load) and recorded in this report.

2. The EUT supports three coil antennas, all the coil antennas have been test, the worst case is coil antenna 2 and recorded in this report.

2.5. Deviations of test standard

No deviation.

2.6. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	[©] 21-25 ℃ [©]
Humidity range:	40-75%
Pressure range:	86-106 kPa

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,

Guangdong Province, China, 523808

Tel.: +86-0769-38826678, http://www.dgddt.com, Email: ddt@dgddt.com

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, G-20118

2.8. Measurement uncertainty

Test Item	Uncertainty	
	3.32 dB (150 kHz - 30 MHz)	
Uncertainty for Conduction emission test	3.72 dB (9 kHz - 150 kHz)	
Uncertainty for Radiation Emission Test (9 kHz – 30 MHz)	3.44 dB	
Uncertainty for Radiation Emission test (30 MHz - 1 GHz)	4.70 dB (Antenna Polarize: V)	
	4.84 dB (Antenna Polarize: H)	
Uncertainty for Radiation Emission test	4.10 dB (1-6 GHz)	
(1 GHz to 18 GHz)	4.40 dB (6 GHz - 18 GHz)	
Bandwidth	1.1%	

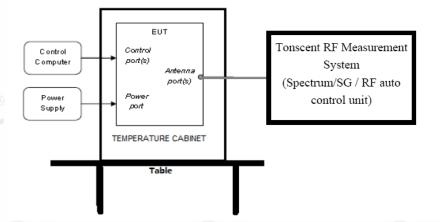
95% confidence level using a coverage factor of k=2.

3 Equipment Used During Test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval	
☑ RF Connected T	est (Tonscend R	F Measuremen	t System 3#)			
Signal analyzer	R&S	FSQ26	101272	Jun. 01, 2021	1 Year	
Wideband Radio Communication tester	R&S	CMW500	117491	Jun. 01, 2021	1 Year	
Vector Signal Generator	Agilent	N5182A	MY19060405	Jun. 01, 2021	1 Year	
Vector Signal Generator	Agilent	N5182A	MY48180912	Jun. 01, 2021	1 Year	
RF Control Unit	Tonsend	JS0806-2	DDT-ZC01449	Jun. 01, 2021	1 Year	
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	Jun. 01, 2021	1 Year	
Test Software	JS Tonscend	JS1120-3	Ver.2.6.77.0518	N/A	N/A	
Radiation 3#cha	mber					
EMI Test Receiver	R&S	ESU	100472	Jun. 01, 2021	1 Year	
Spectrum analyzer	Agilent	E4447A	MY50180031	Jun. 01, 2021	1 Year	
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Sep. 19, 2021	1 Year	
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	01429	Aug. 07, 2021	1 Year	
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120	02108	Jul. 17, 2021	1 Year	
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	May 08, 2021	1 Year	
Pre-amplifier	COM-POWER	PAM-118A	18040084	Sep. 02, 2021	1 Year	
Pre-amplifier	COM-POWER	PAM-840A 🛞	461369	Mar. 15, 2021	1 Year	
Test software	Audix	E3	V 6.1.1.1	N/A	N/A	
Power Line Con	ducted Emission	s Test 3#				
Test Receiver	R&S	ESCI	101032	Mar. 03, 2022	1 Year	
LISN 1	R&S	ENV216	101725	Sep. 02, 2021	1 Year	
LISN 2	R&S	ENV216	101726	Sep. 02, 2021	1 Year	
LISN 3	SCHWARZBEC K	NSLK 8163	00017	Sep. 02, 2021	1 Year	
Pulse Limiter	SCHWARZBEC K	VTSD 95	102766 Sep. 02, 2021		1 Year	
CE Cable 3	HUBSER	Z806-NJ-NJ-2 M	21070280	Sep. 02, 2021	1 Year	
CE Cable 3	HUBSER	Z806-NJ-NJ-6 M	21070275	Sep. 02, 2021	1 Year	
Test software	Audix	E3	V 6.11111b	N/A	N/A	

4 20 dB Bandwidth

4.1. Block diagram of test setup



4.2. Limits

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3. Test procedure

(1) Connect EUT to spectrum analyzer and use the following settings:

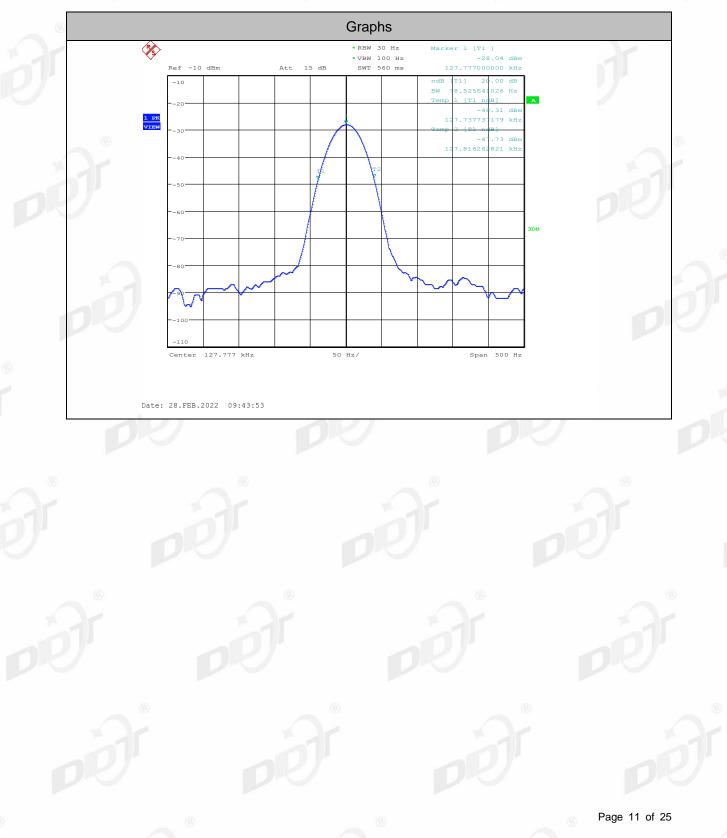
Centre Frequency	The centre frequency of the channel under test	
Detector	Peak	
RBW	1% to 5% of the occupied bandwidth	
VBW	Approximately 3xRBW	
Trace	Max hold	0
Sweep	Auto	

(2) The 20 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20 dB.

4.4. Test result

Freq. (kHz)	20 dB bandwidth Result (Hz)	Conclusion
127	79	Pass

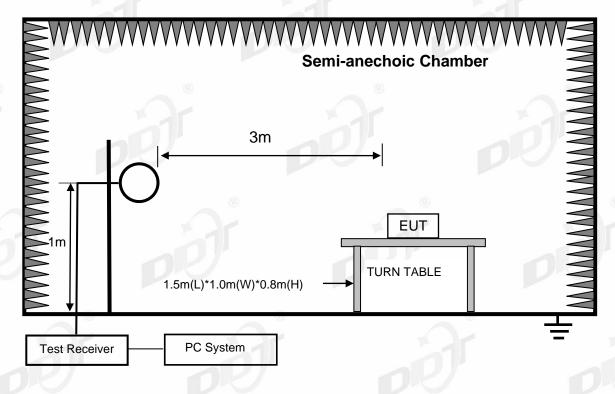
4.5. Original test data



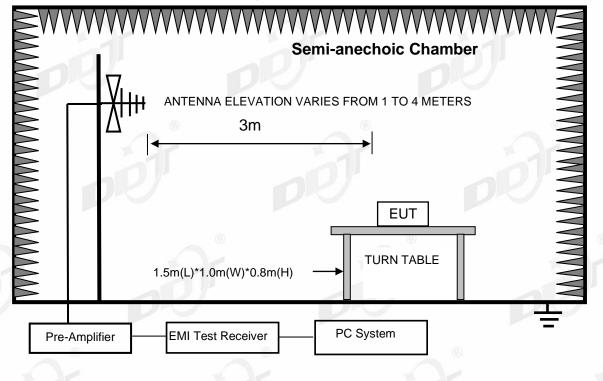
5 Radiated Emission

5.1. Block diagram of test setup

In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



FREQUENCY	DISTANCE	FIELD STRENGTHS LIMIT			
MHz	Meters	μV/m	dB(µV)/m		
0.009 ~ 0.490	300 🔊	2400/F(kHz)	67.6-20log(F)		
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)		
1.705 ~ 30.0	30	30	29.54		
30 ~ 88	3	100	40.0		
88 ~ 216	3	150	43.5		
216 ~ 960	3	200	46.0		
960 ~ 1000	3	500	54.0		

5.2. Limit

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

 $\begin{array}{l} \text{Limit}_{3m}(dBuV/m) = \text{Limit}_{300m}(dBuV/m) + 40\text{Log}(300m/3m) = \text{Limit}_{300m}(dBuV/m) + 80\\ \text{Limit}_{3m}(dBuV/m) = \text{Limit}_{30m}(dBuV/m) + 40\text{Log}(30m/3m) = \text{Limit}_{30m}(dBuV/m) + 40\\ \end{array}$

5.3. Test procedure

(1) EUT was placed on a non-metallic table, 150 cm above the ground plane inside a semi-anechoic chamber.

(2) Test antenna was located 3m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance		
9 kHz - 30 MHz	Active Loop antenna	3 m		
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m		

According ANSI C63.10:2013 clause 6.4.4.2 and 6,5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 1 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's

fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produce highest emissions. Spectrum frequency from 9 kHz to 1 GHz (tenth harmonic of fundamental frequency) was investigated.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission.

Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

5.4. Test result

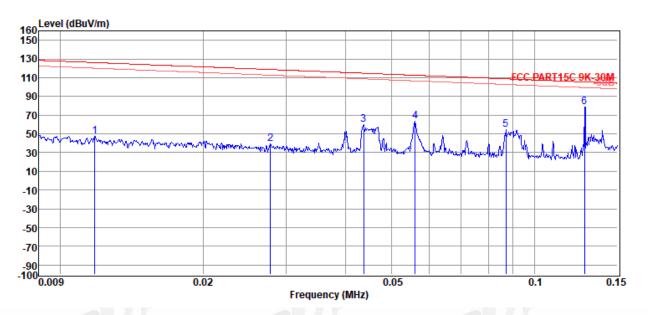
Pass. (See below detailed test result)

Below 30 MHz:

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	C:\E3 6.111\2022 Report D NB-WP-DC-ABLK\FCC BE	
Test Date	: 2022-03-01	Tested By : Kenny	ys Zhang
EUT	: Nimble Apollo Wireless Stand	Model Number : NB-W	P-CD-ABLK
Power Supply	: AC 120V/60Hz	Test Mode : Tx Mo	ode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1kPa	Antenna/Distance : 2021	FMZB1519/3m/VERTICAL
Memo	-		

Data:



ltem	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	(dBµV/m)	(dBµV/m)	(dB)		¢.
1	0.01	24.49	23.16	0.02	47.67	126.15	-78.48	Peak	VERTICAL
2	0.03	17.62	21.91	-0.01	39.52	118.75	-79.23	Peak	VERTICAL
3	0.04	38.00	22.17	-0.03	60.14	114.81	-54.67	Peak	VERTICAL
4	0.06	41.13	22.28	-0.03	63.38	112.64	-49.26	Peak	VERTICAL
5	0.09	32.73	22.16	-0.03	54.86	108.80	-53.94	Peak	VERTICAL
6	0.13	56.81	22.06	[©] -0.01	78.86	105.48	-26.62	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP/AV limit, QP/AV Result is deemed to comply with QP limit.

3. Test setup: RBW: 300 Hz, VBW: 1 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	C:\E3 6.111\2022 Report Data\Q22012512-2E NB-WP-DC-ABLK\FCC BELOW 1G.EM6
Test Date	: 2022-03-01	Tested By : Kennys Zhang
EUT	: Nimble Apollo Wireless Stand	Model Number : NB-WP-CD-ABLK
Power Supply	: AC 120V/60Hz	Test Mode : Tx Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1kPa	Antenna/Distance : 2021 FMZB1519/3m/VERTICAL
Memo Data: 2 160 ^{Level (d}	BuV/m)	
160 Level (u 150		
130		
110		
90		FCC PART15C 9K-30M
70 1	2 3	-008-
50	Martin human formation and makers	5 5 6
30 10		
-10		
-30		
-50		
-70		
-90		
-100 0.15 0.2	0.5 1	2 5 10 20 30
		ency (MHz)

ltem	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	(dBµV/m)	(dBµV/m)	(dB)		®
1	0.18	31.76	21.99	0.01	53.76	102.34	-48.58	Peak	VERTICAL
2	0.38	35.70	21.90	-0.02	57.58	95.94	-38.36	Peak	VERTICAL
3	0.64	27.44	21.85	-0.02	49.27	71.52	-22.25	Peak	VERTICAL
4	1.40	23.11	21.80	-0.10	44.81	64.66	-19.85	Peak	VERTICAL
5	7.65	21.64	21.88	0.14	43.66	69.54	-25.88	Peak	VERTICAL
6	24.92	17.06	21.35	0.22	38.63	69.54 🛞	-30.91	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP/AV limit, QP/AV Result is deemed to comply with QP limit.

3. Test setup: RBW: 10 kHz, VBW: 30 kHz, Sweep time: auto.

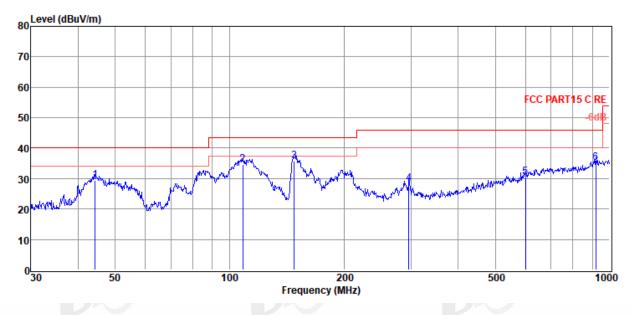
Dongguan Dongdian Testing Service Co., Ltd.

Above 30 MHz: TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#		Report Data\Q22012512-2E FCC BELOW 1G.EM6
Test Date	: 2022-03-10	Tested By	: Kennys Zhang
EUT	: Nimble Apollo Wireless Stand	Model Number	: NB-WP-CD-ABLK
Power Supply	: AC 120V/60Hz	Test Mode	: Tx Mode
Condition	: Temp:24.5°C,Humi:55%,Press:100.1kPa	Antenna/Distance	e:2021 VLUB 9163 3#/3m/VERTICAL
Memo			

Data:

1



_									
ltem	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	(dBµV/m)	(dBµV/m)	(dB)		
1	44.28	10.76	15.03	3.64	29.43	40.00	-10.57	QP	VERTICAL
2	108.27	19.91	10.57	4.03	34.51	43.50	-8.99	QP	VERTICAL
3	147.92	23.47	7.89	4.25	35.61	43.50	-7.89	QP	VERTICAL
4	296.18	10.33	13.15	4.81	28.29	46.00	-17.71	QP	VERTICAL
5	601.43	5.59	19.13	® 5.74	30.46	46.00 🛞	-15.54	QP	VERTICAL
6	919.29	6.18	22.40	6.52	35.10	46.00	-10.90	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chan	nber 3#		C:\E3 6.111\2022 Report Data\Q22012512-2E NB-WP-DC-ABLK\FCC BELOW 1G.EM6				
Test Date	: 2022-03-10		Tested By	: Kennys Zhang				
EUT	: Nimble Apollo	Wireless Stand	Model Number	Model Number : NB-WP-CD-ABLK				
Power Supply	: AC 120V/60H	z P	Test Mode	Test Mode : Tx Mode				
Condition	: Temp:24.5°C,	Humi:55%,Press:100.1kF	Pa Antenna/Distan	ce :2021 VLUB 9163 3#/3m/	HORIZONTA			
Memo Data: 2	D							
80 Level (d	BuV/m)							
70								
60				FCC PAR				
50					-6dB			
40								
30			howing	WWW. and and water and	where the market and the			
20	with town white ment	- A farmer widow muyou	Wat Konte					
10								
0 30	50	100 Fr	200 equency (MHz)	500	1000			

ltem	Freq.	Read Level	Antenna Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Polarization
(Mark)	(MHz)	(dBµV)	(dB/m)	dB	(dBµV/m)	(dBµV/m)	(dB)		0
1	42.90	4.82	14.34	3.63	22.79	40.00	-17.21	QP	HORIZONTAL
2	74.14	6.84	8.67	3.85	19.36	40.00	-20.64	QP	HORIZONTAL
3	145.86	14.58	7.80	4.24	26.62	43.50	-16.88	QP	HORIZONTAL
4	209.31	14.31	10.89	4.49	29.69	43.50	-13.81	QP	HORIZONTAL
5	297.22	11.45	13.19	4.81	29.45	46.00	-16.55	QP	HORIZONTAL
6	731.92	5.02	20.18	8.06	31.26	46.00 🛞	-14.74	QP	HORIZONTAL

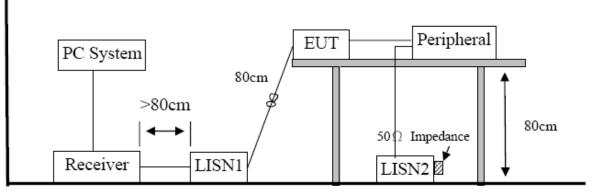
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

6 Power Line Conducted Emission

6.1. Block diagram of test setup



6.2. Power line conducted emission limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)		
150 kHz 🔍 ~ 500 kHz	[©] 66 ~ 56*	[©] 56 ~ 46*		
500 kHz ~ 5 MHz	56	46		
5 MHz ~ 30 MHz	60	50		

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

6.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80 cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level. The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, 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.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

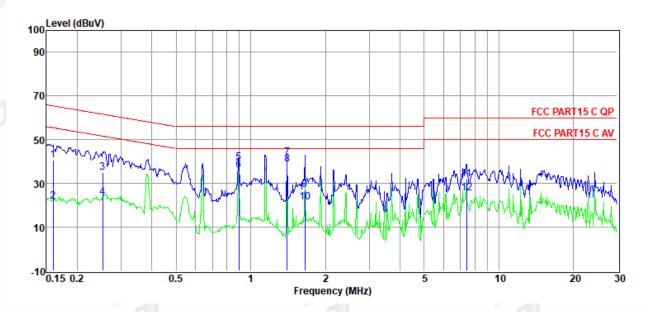
6.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits. Note2: "-----" means Peak detection; "-----" means Average detection. Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/60Hz, recorded worse case (AC 120V/60Hz). Data: 2

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 6# Shield Room	D:\2022 Report D	Data\Q22012512-2E\FCC.EM6
Test Date	: 2022-03-10	Tested By	: Kennys Zhang
EUT	: Nimble Apollo Wireless Stand	Model Number	: NB-WP-CD-ABLK
Power Supply	: AC 120V/60Hz	Test Mode	: Tx Mode
Condition	Temp:23.0°C,Humi:45.8%,Press:101.4kP : a	LISN	: 2021 ENV 216 3#/NEUTRAL
Memo			



ltem	Freq.	Read Level	LISN Factor	Cable Loss	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBµV)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)		0
1	0.16	21.62	9.32	9.84	40.78	65.47	-24.69	QP	NEUTRAL
2	0.16	2.75	9.32	9.84	21.91	55.47	-33.56	Average	NEUTRAL
3	0.25	15.96	9.35	9.83	35.14	61.64	-26.50	QP	NEUTRAL
4	0.25	4.48	9.35	9.83	23.66	51.64	-27.98	Average	NEUTRAL
5	0.89	20.22	9.41	9.85	39.48	56.00	-16.52	QP	NEUTRAL
6	0.89	16.87	9.41	9.85	36.13	46.00	。 -9.87	Average	NEUTRAL
7	1.40	22.56	9.35	9.88	41.79	56.00	-14.21	QP	NEUTRAL
8	1.40	19.55	9.35	9.88	38.78	46.00	-7.22	Average	NEUTRAL
9	1.65	8.05	9.28	9.90	27.23	56.00	-28.77	QP	NEUTRAL
10	1.65	2.35	9.28	9.90	21.53	46.00	-24.47	Average	NEUTRAL
11	7.41	12.52	9.40	9.94	31.86	60.00	-28.14	QP	NEUTRAL
12	7.41	6.11	9.40	9.94 🛞	25.45	50.00	-24.55	Average	NEUTRAL

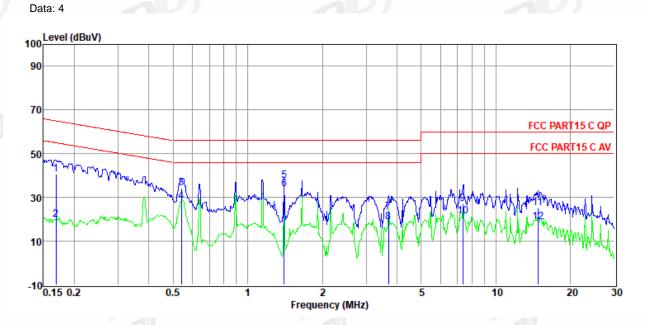
Report No.: DDT-R22012512-2E01

Note: 1. Result Level = Read Level +LISN Factor + Cable loss.

- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 6# Shield Room	D:\2022 Report D	Data\Q22012512-2E\FCC.EM6
Test Date	: 2022-03-10	Tested By	: Kennys Zhang
EUT	: Nimble Apollo Wireless Stand	Model Number	: NB-WP-CD-ABLK
Power Supply	: AC 120V/60Hz	Test Mode	: Tx Mode
Condition	Temp:23.0°C,Humi:45.8%,Press:101.4kF : a	LISN	: 2021 ENV 216 3#/LINE
Memo	±		



ltem	Freq.	Read	LISN	Cable	Result	Limit	Over	Detector	Phase
(Manle		Level	Factor	Loss	Level	Line	Limit		
(Mark)	(MHz)	(dBµV)	(dB)	(dB)	(dBµV)	(dBµV)	(dB)		2
1	0.17	21.40	9.50	9.84	40.74	65.03	-24.29	QP	LINE
2	0.17	0.62	9.50	9.84	19.96	55.03	-35.07	Average	LINE
3	0.54	14.73	9.50	9.84	34.07	56.00	-21.93	QP	LINE
4	0.54	8.86	9.50	9.84	28.20	46.00	-17.80	Average	LINE
5	1.40	18.34	9.45	9.88	37.67	56.00	-18.33	QP	LINE
6	1.40	14.59	9.45	9.88	33.92	46.00	-12.08	Average	LINE
7	3.70	4.04	9.41	9.93	23.38	56.00	-32.62	QP	LINE
8	3.70	-0.43	9.41	9.93	18.91	46.00	-27.09	Average	LINE
9	7.37	7.41	9.57	9.94	26.92	60.00	-33.08	QP	LINE
10	7.37	1.74	9.57	9.94	21.25	50.00	-28.75	Average	LINE
11	14.75	5.69	9.40	9.96	25.05	60.00	-34.95	QP	LINE
12	14.75	-0.76	9.40	9.96	18.60	50.00	-31.40	Average	LINE

Report No.: DDT-R22012512-2E01

Note: 1. Result Level = Read Level +LISN Factor + Cable loss.

- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
- 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

7 Antenna Requirements

For intentional device, according to FCC 47 CFR Section 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Conclusion: The antenna used for this product is inductive loop coil antenna and that no antenna other than that furnished by the responsible party shall be used with the device.

END OF REPORT