Report No.: DDT-R22050709-1E02

Issued Date: May 27, 2022

FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	Shenzhen Yongdongke Innovation Technology Co.Ltd.
Address	:	3-B03, Building A, Qingchuang City, Zhangkeng Complex, Minzhi Street, Longhua District, Shenzhen, China
Equipment under Test	:	White Noise Night Light
Model No.	:	NQ-BL-01
Trade Mark	:	NewQ
FCC ID	:	2A39NNQBL1
Manufacturer	:	Shenzhen Yongdongke Innovation Technology Co.Ltd.
Address	:	3-B03, Building A, Qingchuang City, Zhangkeng Complex, Minzhi Street, Longhua District, Shenzhen, China

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

REPORT

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Test Report Declare

Applicant	:	Shenzhen Yongdongke Innovation Technology Co.Ltd.
Address	:	3-B03, Building A, Qingchuang City, Zhangkeng Complex, Minzhi Street, Longhua District, Shenzhen, China
Equipment under Test	:	White Noise Night Light
Model No.	:	NQ-BL-01
Trade Mark	:	NewQ
Manufacturer	:	Shenzhen Yongdongke Innovation Technology Co.Ltd.
Address	:	3-B03, Building A, Qingchuang City, Zhangkeng Complex, Minzhi Street, Longhua District, Shenzhen, China

Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C.

Test Procedure Used:

ANSI C63.10:2013.

We Declare:

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-R22050709-1E02		
Date of Receipt:	Apr. 13, 2022	**Date of Test:**	Apr. 13, 2022 ~ May 26, 2022

Prepared By: ***Approved By:***

Sam Li

Sam Li/Engineer

DONGGUAN DONGDIAN TESTING SERVICE CO., LTD. APPROVED

Damon Hu

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	May 27, 2022	

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	**Standard**	**Verdict**
6 dB Bandwidth and 99% Bandwidth	FCC Part 15: 15.247 ANSI C63.10:2013	Pass
Peak Output Power	FCC Part 15: 15.247 ANSI C63.10:2013	Pass
Power Spectral Density	FCC Part 15:15.247 ANSI C63.10:2013	Pass
Band Edge Compliance (Conducted Method)	FCC Part 15: 15.209 FCC Part 15: 15.247 ANSI C63.10: 2013	Pass
Radiation Emission	FCC Part 15: 15.247 ANSI C63.10:2013	Pass
RF Conducted Spurious Emissions	FCC Part 15: 15.209 FCC Part 15: 15.247 ANSI C63.10: 2013	Pass
Emission in Restricted Frequency Bands	FCC Part 15: 15.209 FCC Part 15: 15.247 ANSI C63.10: 2013	Pass
Power Line Conducted Emission	FCC Part 15: 15.207 ANSI C63.10: 2013	Pass
Antenna Requirement	FCC Part 15: 15.203	Pass

2. General Test Information

2.1. Description of EUT

EUT* Name	:	White Noise Night Light
Model Number	:	NQ-BL-01
EUT Function Description	:	Please reference user manual of this device
Power Supply	:	DC 5V 2A from external AC/DC Adapter
Radio Specification	:	Bluetooth V5.0
Operation Frequency	:	2402 MHz - 2480 MHz
Modulation	:	GFSK
Data Rate	:	1 Mbps, 2 Mbps
Antenna Gain	:	5.5 dBi
Sample Type	:	Series production
Sample Number	:	N/A

Note: EUT is the abbreviation of equipment under test.

Channel information					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

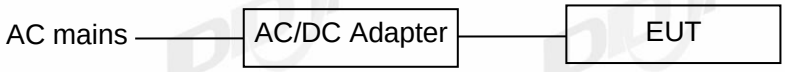
2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
N/A	N/A	N/A	N/A	N/A

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Serial No.	Other
Adapter	SAMSUNG	EP-TA200	N/A	Input: 100-240~, 50/60Hz, 0.5A; Output: 9V/1.67A or 5V/2A

2.4. Block diagram of EUT configuration for test



Test software: Bluetooth RF Test Tool
The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table:

Tested mode, channel, information			
Mode	Setting Tx Power	Channel	Frequency (MHz)
GFSK 1M Tx mode	/	CH0	2402
	/	CH19	2440
	/	CH39	2480
GFSK 2M Tx mode	/	CH0	2402
	/	CH19	2440
	/	CH39	2480

2.5. 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

2.6. Deviations of test standard

No deviation.

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

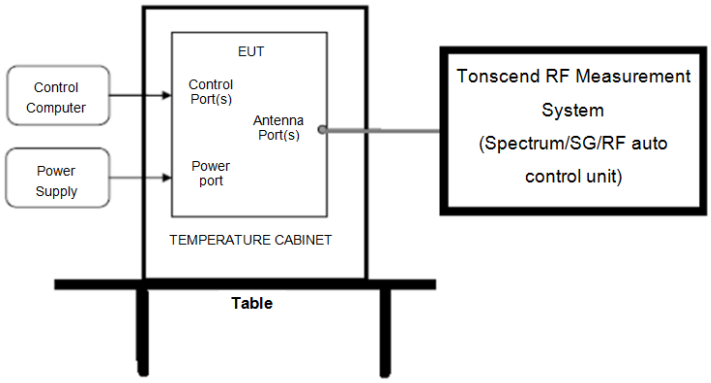
Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum Analyzer)	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz ≤ f < 3.6 GHz);
	1.38 dB (3.6 GHz ≤ f < 8 GHz)
Frequencies Stability	6.7 x 10^{-8} (Antenna couple method)
	5.5 x 10^{-8} (Conducted method)
Conducted Spurious Emissions	0.86 dB (10 MHz ≤ f < 3.6 GHz);
	1.40 dB (3.6 GHz ≤ f < 8 GHz)
	1.66 dB (8 GHz ≤ f < 22 GHz)
Uncertainty for Radio Frequency (RBW < 20 kHz)	3×10^{-8}
Temperature	0.4 ℃
Humidity	2 %
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 (1 GHz - 40 GHz)	4.10 dB (1 - 6 GHz)
	4.40 dB (6 GHz - 18 GHz)
	3.54 dB (18 GHz - 26 GHz)
	4.30 dB (26 GHz - 40 GHz)
Uncertainty for Power Line Conduction Emission Test	3.32 dB (150 kHz - 30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 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 Test (Tonscend RF Measurement System 2#)**					
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#chamber**					
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 06, 2022	1 Year
Pre-amplifier	COM-POWER	PAM-118A	18040084	Sep. 02, 2021	1 Year
Pre-amplifier	COM-POWER	PAM-840A	461369	Apr. 11, 2022	1 Year
Test software	Audix	E3	V 6.1.1.1	N/A	N/A
☒**Power Line Conducted Emissions Test 1#**					
Test Receiver	R&S	ESCI	100551	Sep. 02, 2021	1 Year
LISN 1	R&S	ENV216	101109	Sep. 02, 2021	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 02, 2021	1 Year
Pulse Limiter	R&S	ESH3-Z2	101242	Sep. 02, 2021	1 Year
CE Cable 1	HUBSER	N/A	W10.01	Sep. 02, 2021	1 Year
LISN 3	SCHWARZBECK	NSLK 8163	00017	Sep. 02, 2021	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A

4. 6 dB Bandwidth and 99% Bandwidth

4.1. Block diagram of test setup



4.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

4.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) 99% Bandwidth set the spectrum analyzer as follows:

RBW:	30 kHz
VBW:	100 kHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) 6 dB Bandwidth set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(4) Allow the trace to stabilize, measure the 6 dB and 99% bandwidth of signal.

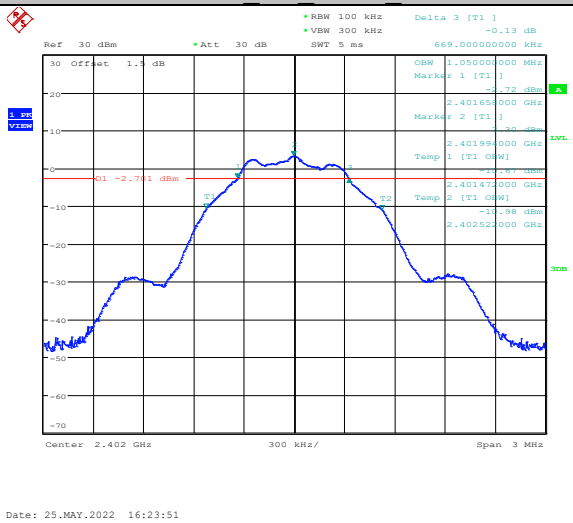
4.4. Test result

Mode	Channel	99% bandwidth Result (MHz)	6 dB bandwidth Result (MHz)	6 dB width Limit (MHz)	Verdict
GFSK 1M	CH0	1.020	0.669	>0.5	Pass
	CH19	1.032	0.666	>0.5	Pass
	CH39	1.023	0.666	>0.5	Pass
GFSK 2M	CH0	2.040	1.120	>0.5	Pass
	CH19	2.050	1.135	>0.5	Pass
	CH39	2.040	1.120	>0.5	Pass

4.5. Original test data

6 dB bandwidth:

BLE_1M_ANT1_2402



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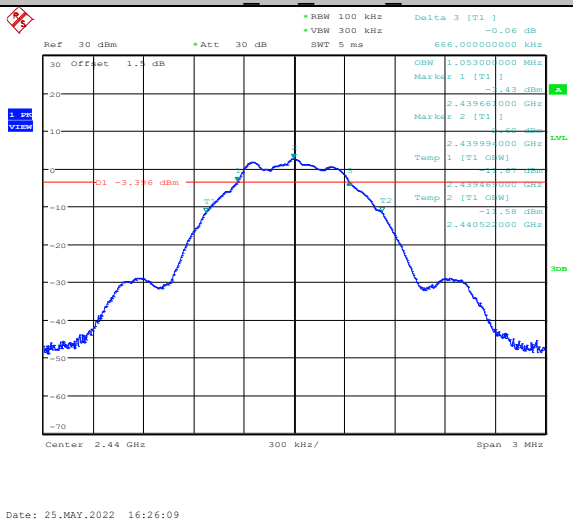

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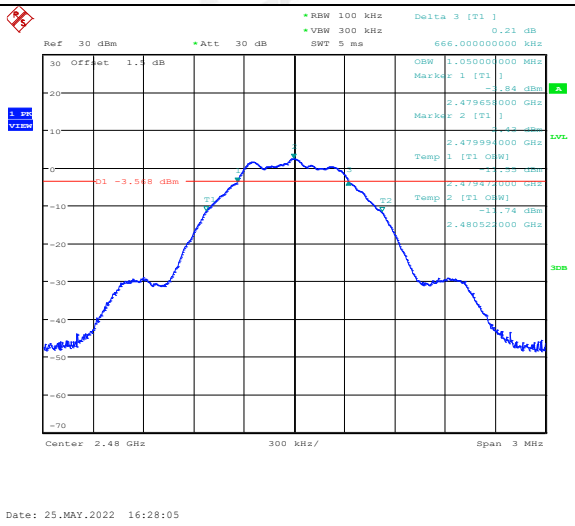
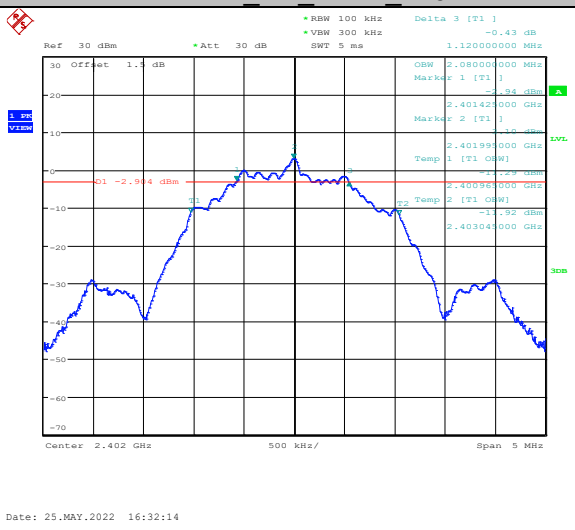


BLE_2M_ANT1_2402



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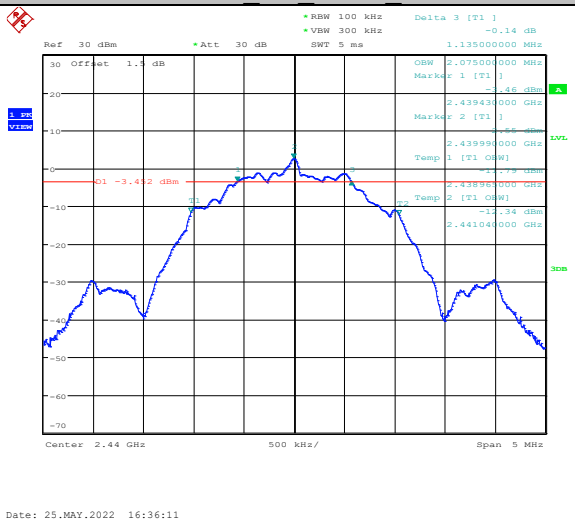

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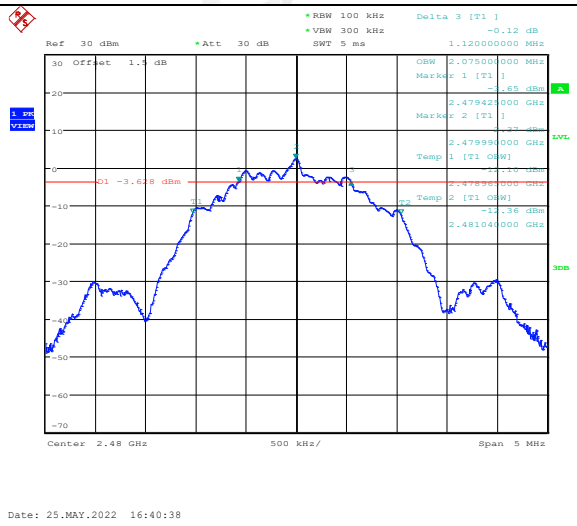
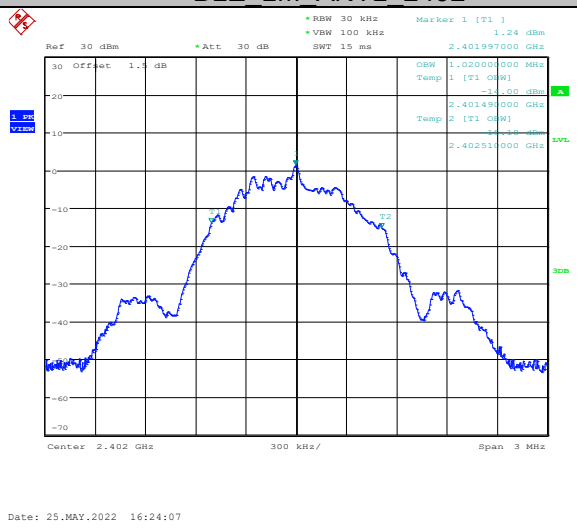


99% bandwidth:

BLE_1M_ANT1_2402



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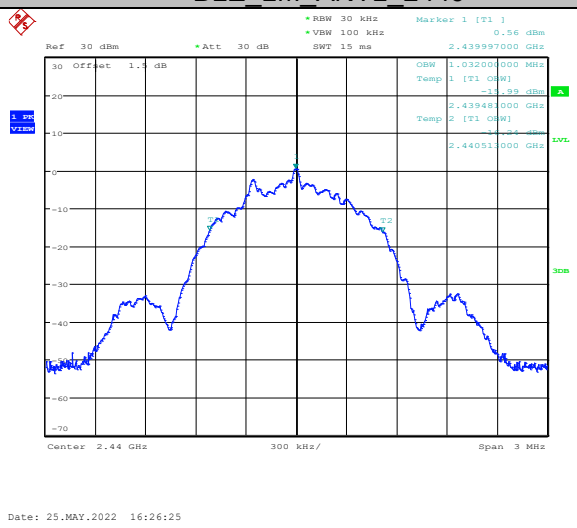

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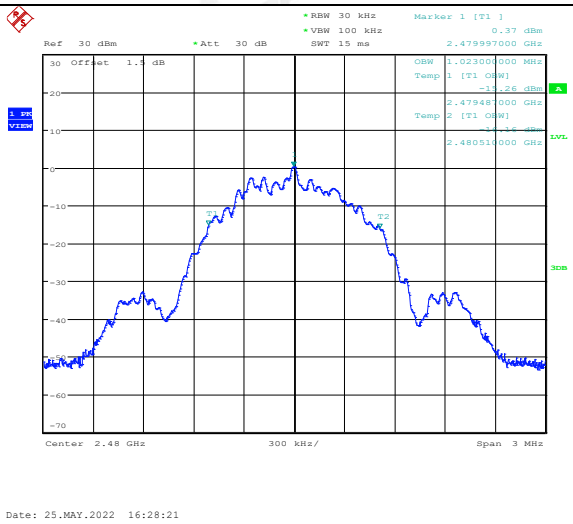

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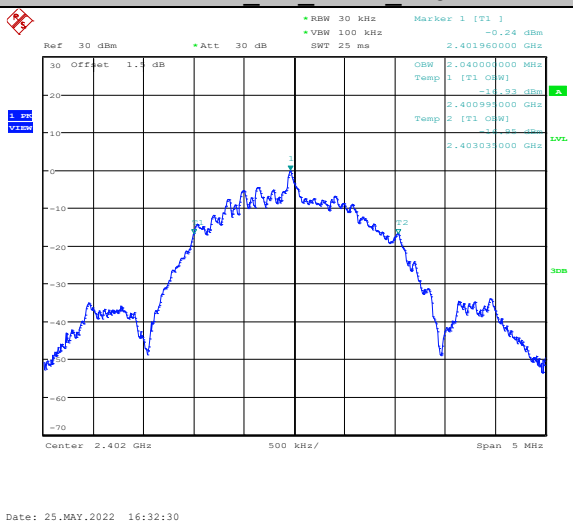

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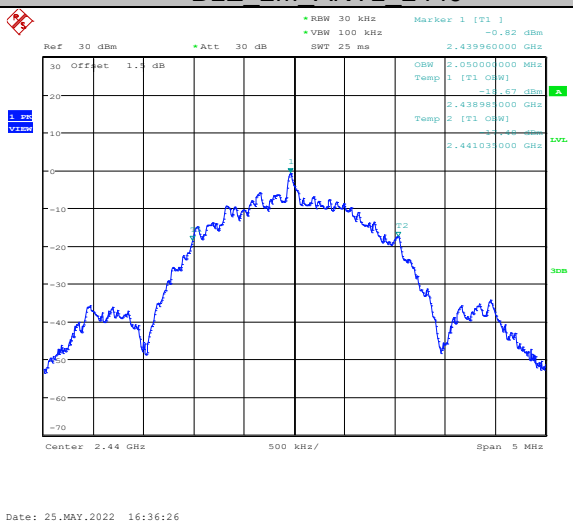

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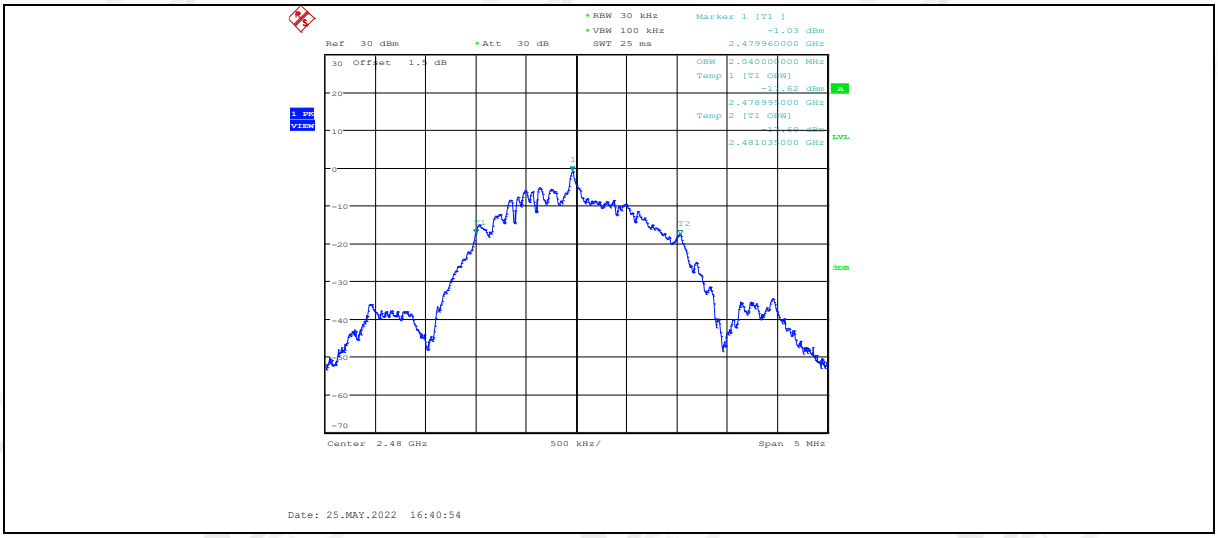

RBW 30 kHz
VBW 100 kHz
SWT 25 ms
Marker 1 [T1]
-1.03 dBm
2.479960000 GHz
Ref 30 dBm
Att 30 dB
30 Offset 1.5 dB
OBW 2.040000000 MHz
Temp 1 [T1 OBW]
-17.62 dBm
2.478995000 GHz
Temp 2 [T1 OBW]
2.481035000 GHz
1 PK VIEW
A
LVL
3DB
T2
Center 2.48 GHz
500 kHz/
Span 5 MHz
Date: 25.MAY.2022 16:40:54

5. Maximum Peak Output Power

5.1. Block diagram of test setup

Same with 4.1

5.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

RBW:	≥DTS bandwidth
VBW:	≥3 x RBW
Span	≥3 x RBW
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

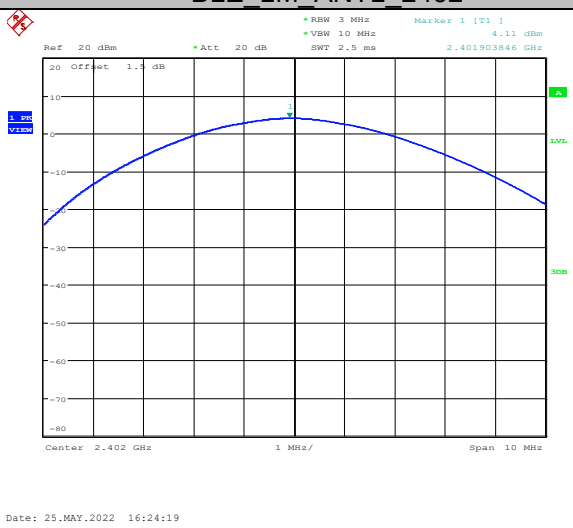
(3) Allow the trace to stabilize, Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges measure out the PK output power.

5.4. Test result

Mode	Freq. (MHz)	Peak Output Power (dBm)	Limit (dBm)	Verdict
GFSK 1M	2402	4.11	30	Pass
	2440	3.24	30	Pass
	2480	3.21	30	Pass
GFSK 2M	2402	4.14	30	Pass
	2440	3.37	30	Pass
	2480	3.31	30	Pass

5.5. Original test data

BLE_1M_ANT1_2402



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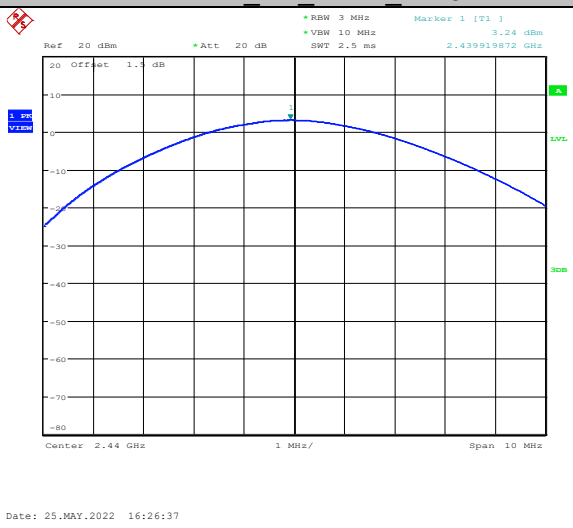

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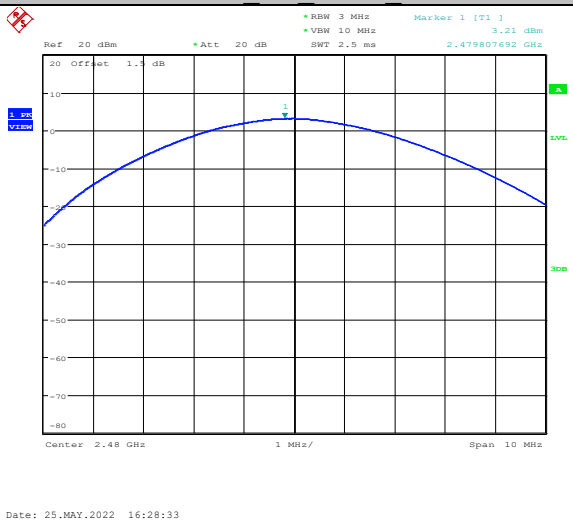
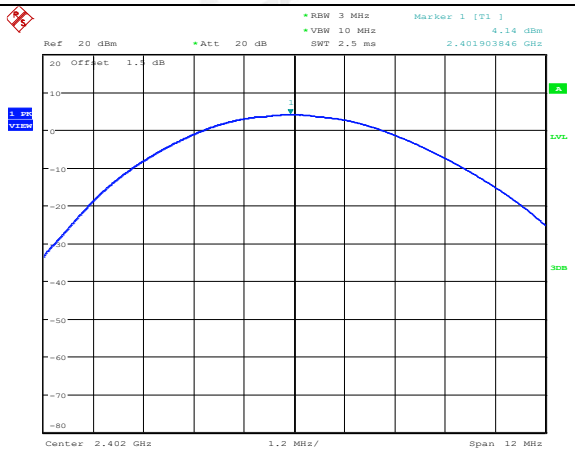


BLE_2M_ANT1_2402



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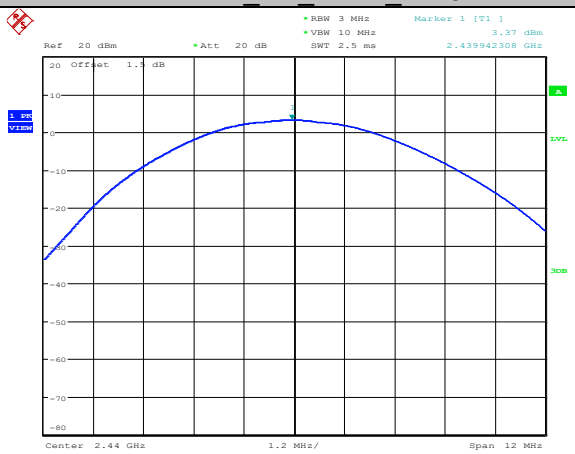

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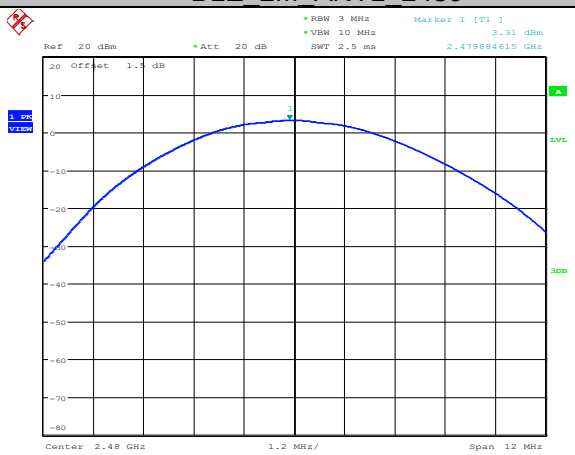


6. Power Spectral Density

6.1. Block diagram of test setup

Same with 4.1

6.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

Center frequency	DTS Channel center frequency
RBW:	3 kHz ≤ RBW ≤ 100 kHz
VBW:	≥ 3RBW
Span	1.5 times the DTS bandwidth
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

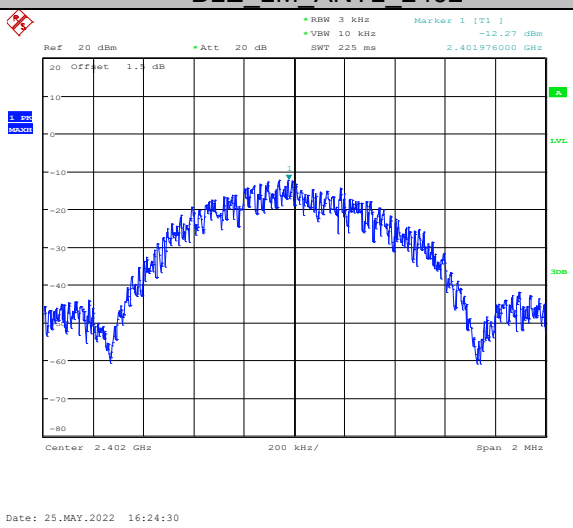
(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

6.4. Test result

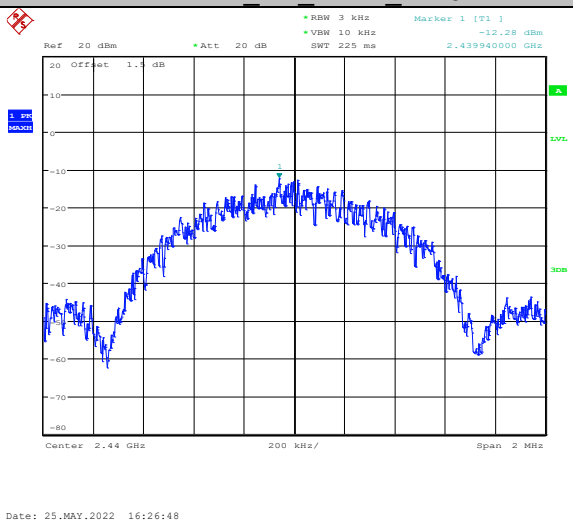
EUT Set Mode	Antenna	Channel	Result (dBm/3 kHz)
GFSK 1M	ANT1	CH0	-12.27
	ANT1	CH19	-12.28
	ANT1	CH39	-13.13
GFSK 2M	ANT1	CH0	-13.77
	ANT1	CH19	-15.39
	ANT1	CH39	-14.48
Limit: <8 dBm/3 kHz			Verdict: Pass

6.5. Original test data

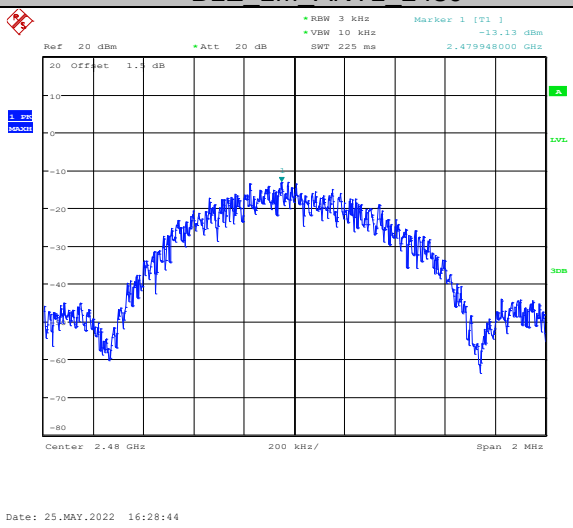
BLE_1M_ANT1_2402



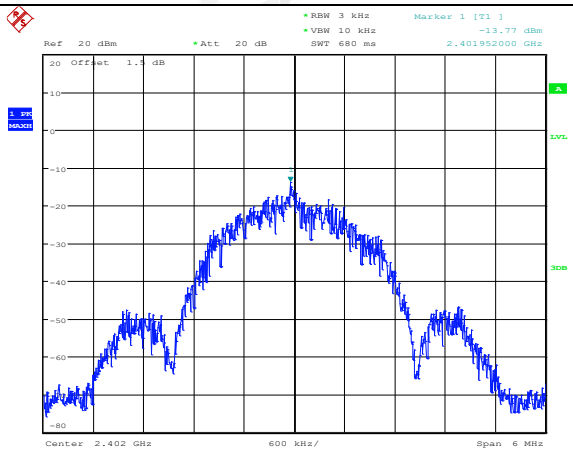
BLE_1M_ANT1_2440



BLE_1M_ANT1_2480

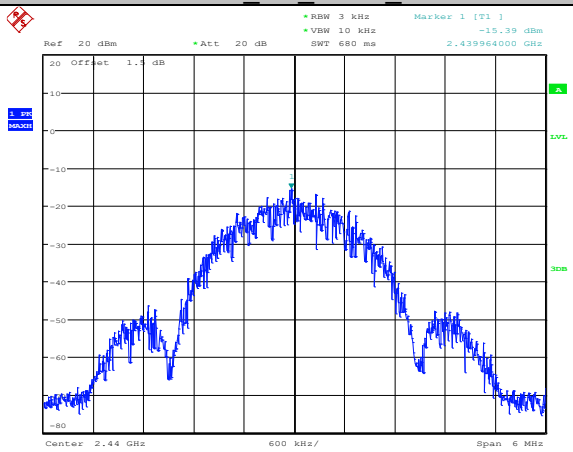


BLE_2M_ANT1_2402



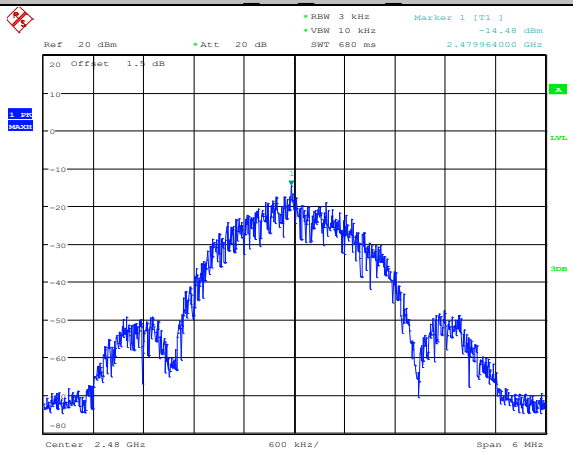
Date: 25.MAY.2022 16:33:00

BLE_2M_ANT1_2440



Date: 25.MAY.2022 16:36:58

BLE_2M_ANT1_2480



Date: 25.MAY.2022 16:41:24

7. Band Edge Compliance (Conducted Method)

7.1. Block diagram of test setup

Same with 4.1

7.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

7.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	DTS Channel center frequency
RBW:	100 kHz
VBW:	300 kHz
Span	1.5 times the DTS bandwidth
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	≥ span/RBW
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

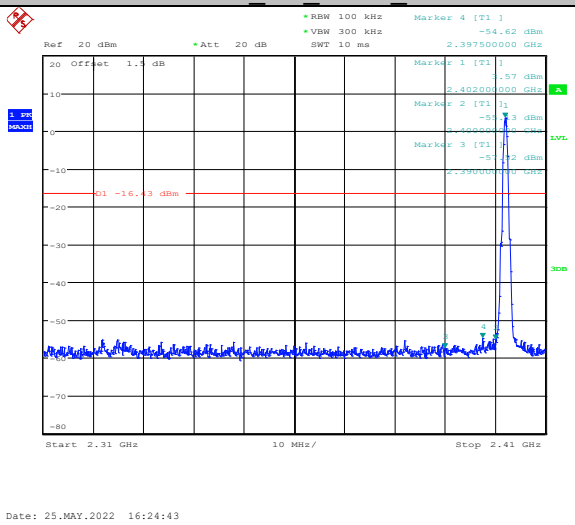
(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

7.4. Test result

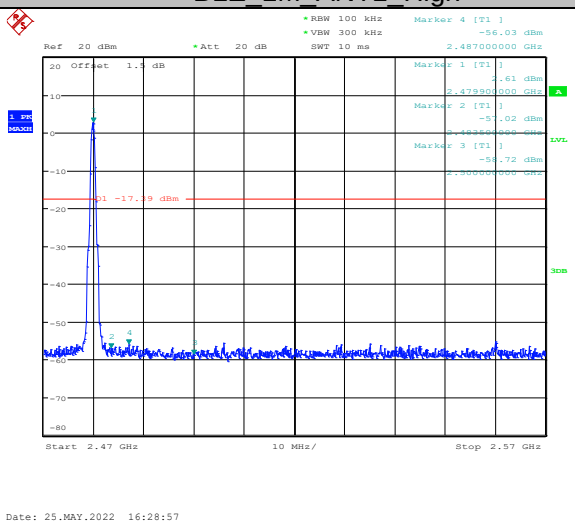
EUT Set Mode	CH or Frequency	Measured Range	Verdict
GFSK 1M	CH0	2.310 GHz - 2.410 GHz	Pass
	CH39	2.470 GHz - 2.570 GHz	Pass
GFSK 2M	CH0	2.310 GHz - 2.410 GHz	Pass
	CH39	2.470 GHz - 2.570 GHz	Pass

7.5. Original test data

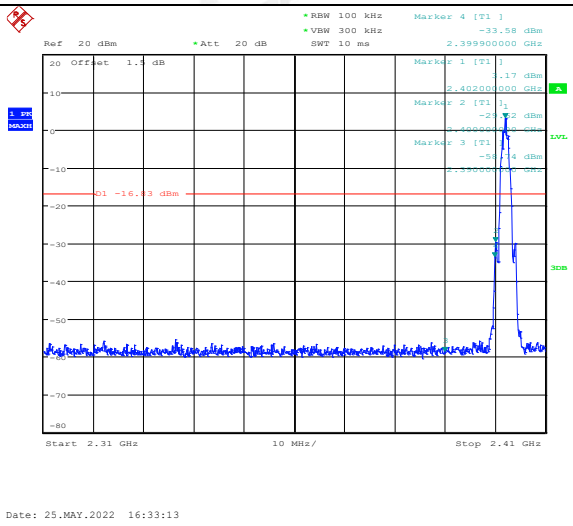
BLE_1M_ANT1_Low



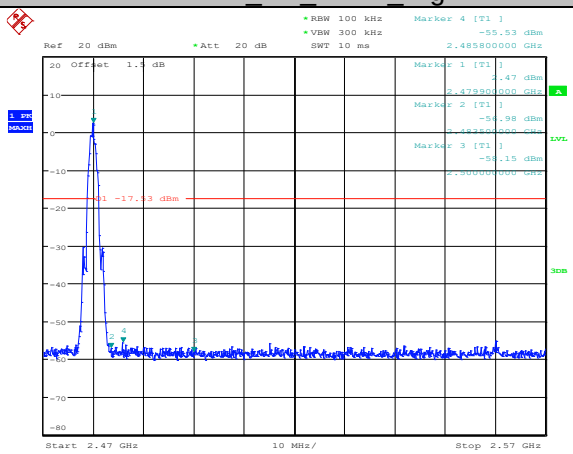
BLE_1M_ANT1_High



BLE_2M_ANT1_Low



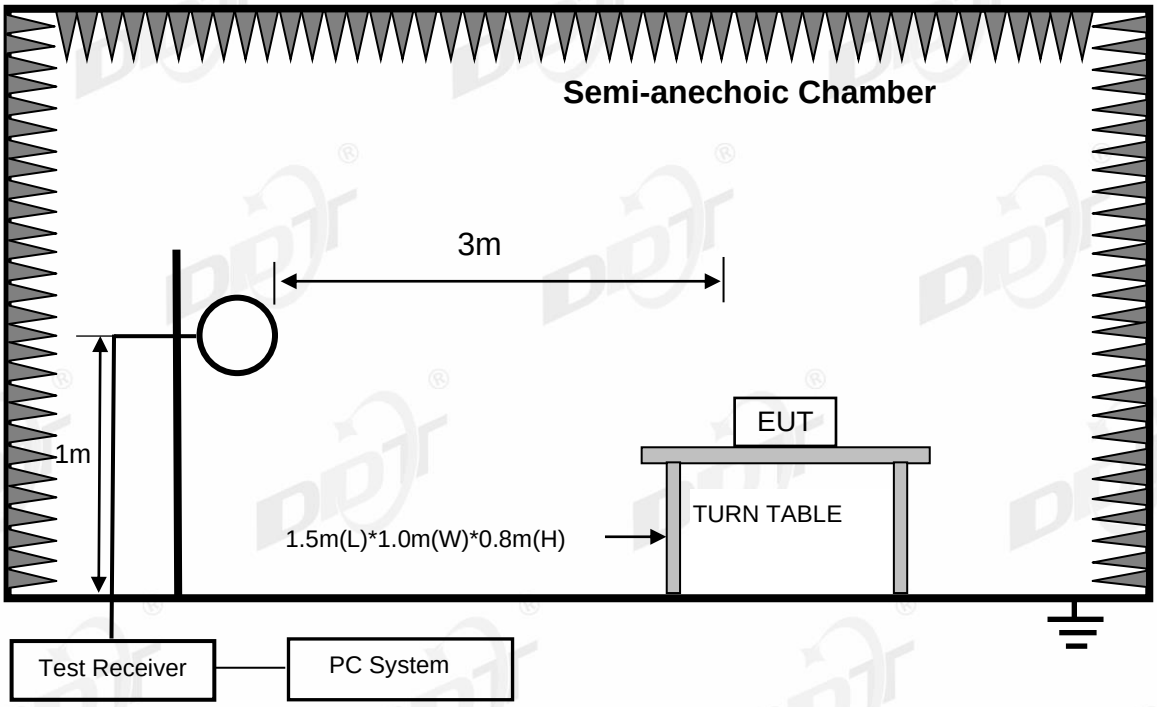
BLE_2M_ANT1_High



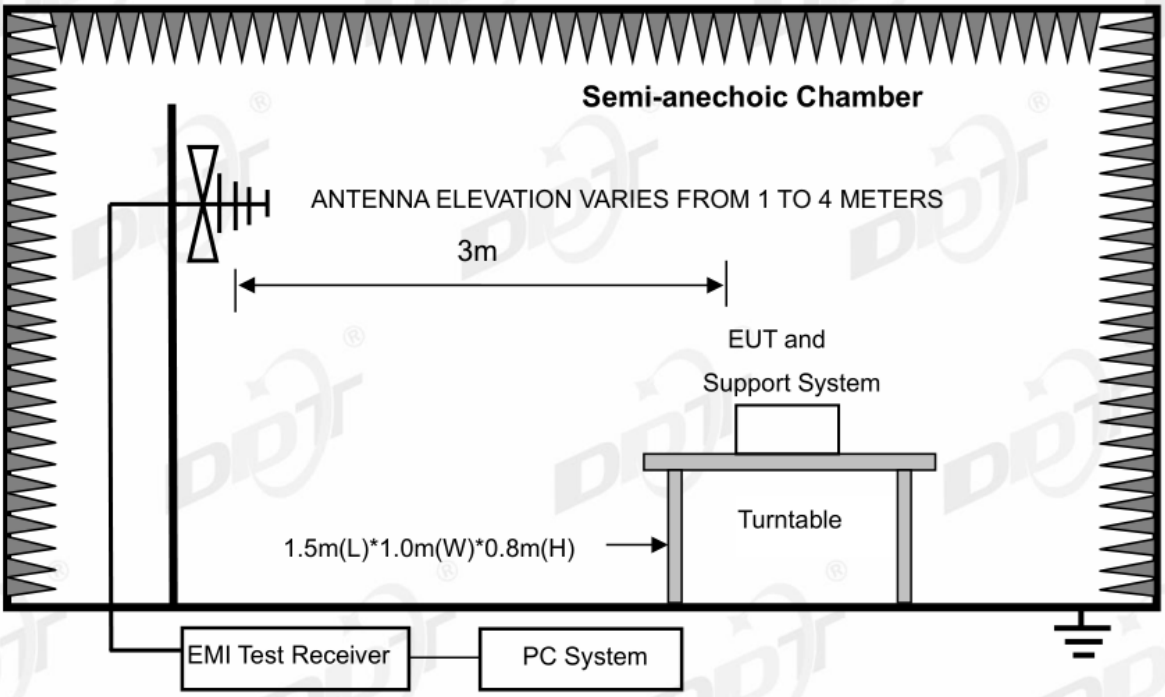
8. Radiated Emission

8.1. Block diagram of test setup

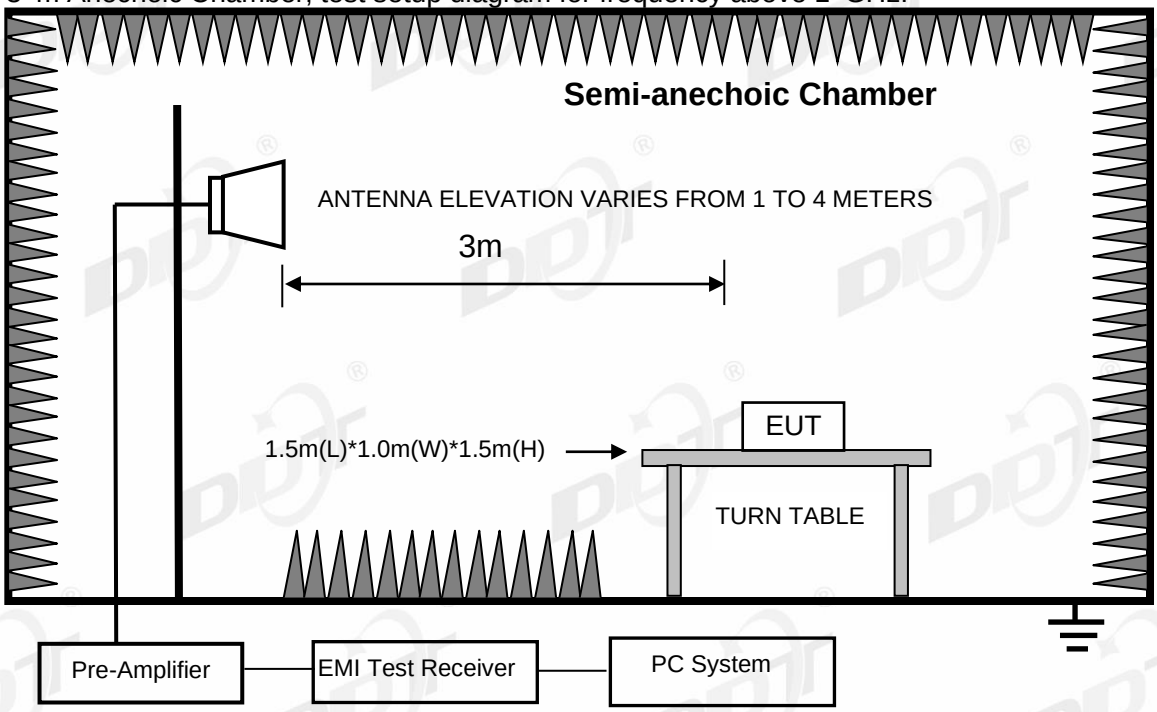
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



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



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

8.2. Limit

8.2.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
[1]0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	([2])
13.36-13.41			

[1]Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2]Above 38.6

8.2.2 FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		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
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

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:

$$Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m)$$

8.2.3 Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

8.3. Test procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1 GHz and 150 cm above the ground plane inside a semi-anechoic chamber for above 1 GHz.

(2) Test antenna was located 3 m 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
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz - 18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz - 40 GHz)	1 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 25 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) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

(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 equipment 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

(7) For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

8.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

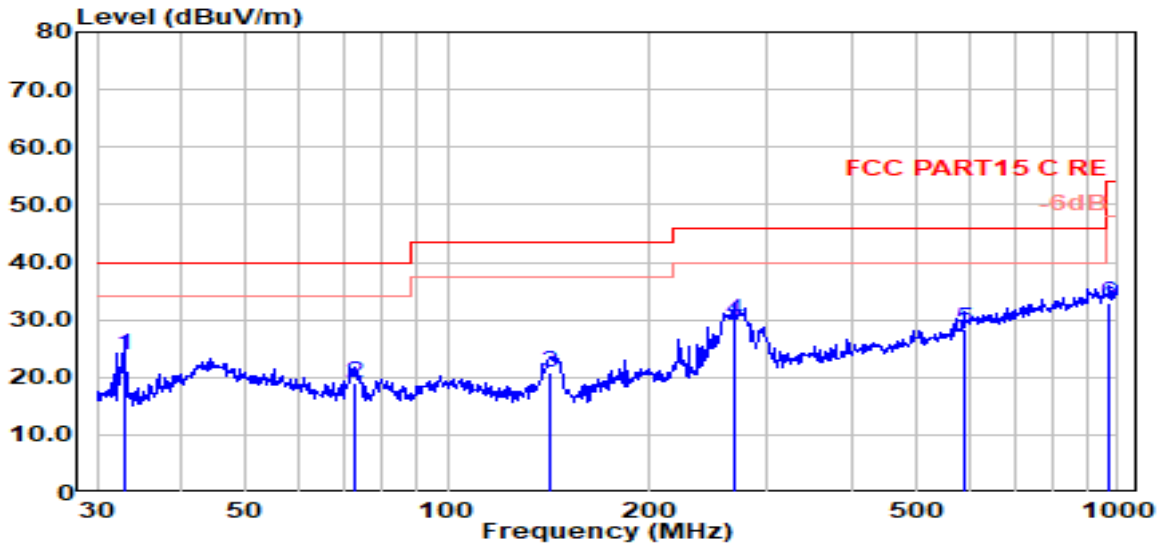
Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in GFSK, Tx 2402 MHz mode.

Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit. Other emission levels are attenuated 20 dB below the limit, so it does not record in the report.

Radiated Emission test (below 1 GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\2021 report data\Q22050709-2E\FCC BELOW 1G\FCC BELOW 1G_00001.EMI	
Test Date	: 2022-05-25	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.2°,Humi:64.9%,Press:100.1kPa	**Antenna/Distance**	: VLUB 9163 3#/3m/HORIZONTAL
Memo	: BLE 1M		

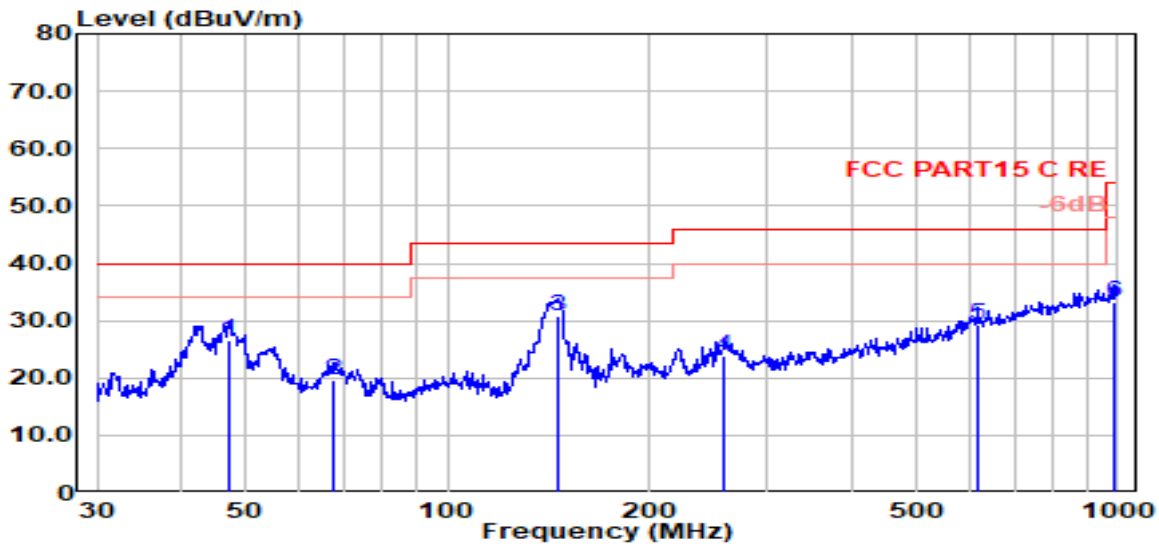


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	32.86	11.33	8.91	3.50	23.75	40.00	-16.25	QP	HORIZONTAL
2	72.59	6.22	8.84	3.81	18.87	40.00	-21.13	QP	HORIZONTAL
3	141.83	8.79	7.72	4.18	20.68	43.50	-22.82	QP	HORIZONTAL
4	267.55	12.48	12.60	4.70	29.78	46.00	-16.22	QP	HORIZONTAL
5	588.91	3.90	18.81	5.70	28.42	46.00	-17.58	QP	HORIZONTAL
6	968.93	3.99	22.18	6.67	32.84	54.00	-21.16	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

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\2021 report data\Q22050709-2E\FCC BELOW 1G\FCC BELOW 1G_00002.EMI	
Test Date	: 2022-05-25	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.2°,Humi:64.9%,Press:100.1kPa	**Antenna/Distance**	: VLUB 9163 3#/3m/Vertical
Memo	: BLE 1M		

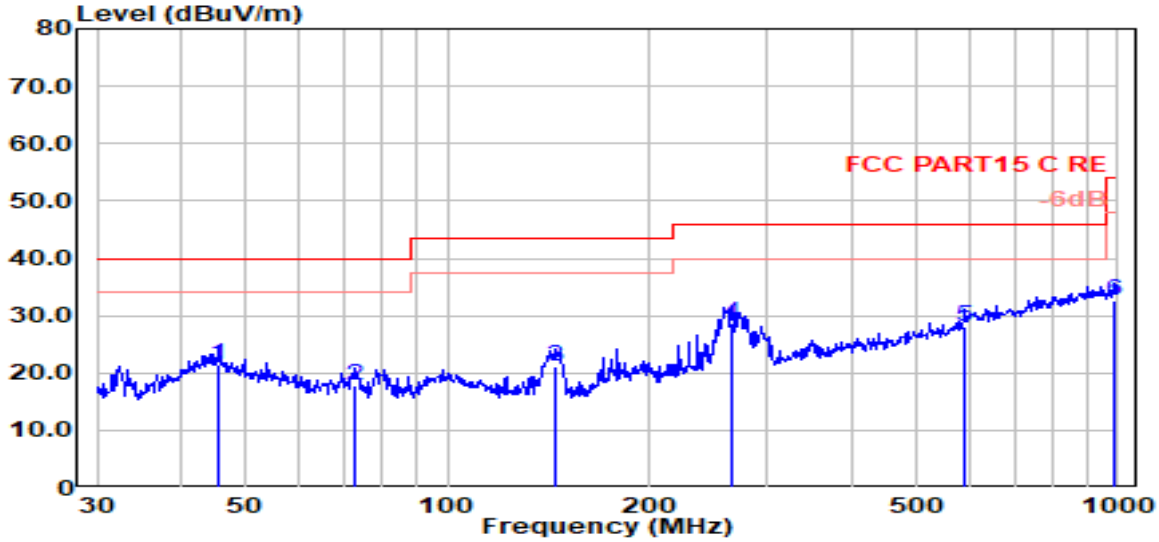


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	47.16	8.90	13.90	3.64	26.45	40.00	-13.55	QP	Vertical
2	67.44	6.79	9.16	3.78	19.73	40.00	-20.27	QP	Vertical
3	146.37	18.74	7.80	4.20	30.73	43.50	-12.77	QP	Vertical
4	259.23	6.53	12.70	4.67	23.90	46.00	-22.10	QP	Vertical
5	618.54	4.40	19.03	5.78	29.21	46.00	-16.79	QP	Vertical
6	986.07	4.16	22.40	6.76	33.32	54.00	-20.68	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 Chamber 3#	D:\2021 report data\Q22050709-2E\FCC BELOW 1G\FCC BELOW 1G_00003.EMI	
Test Date	: 2022-05-25	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.2°,Humi:64.9%,Press:100.1kPa	**Antenna/Distance**	: VLUB 9163 3#/3m/HORIZONTAL
Memo	: BLE 2M		

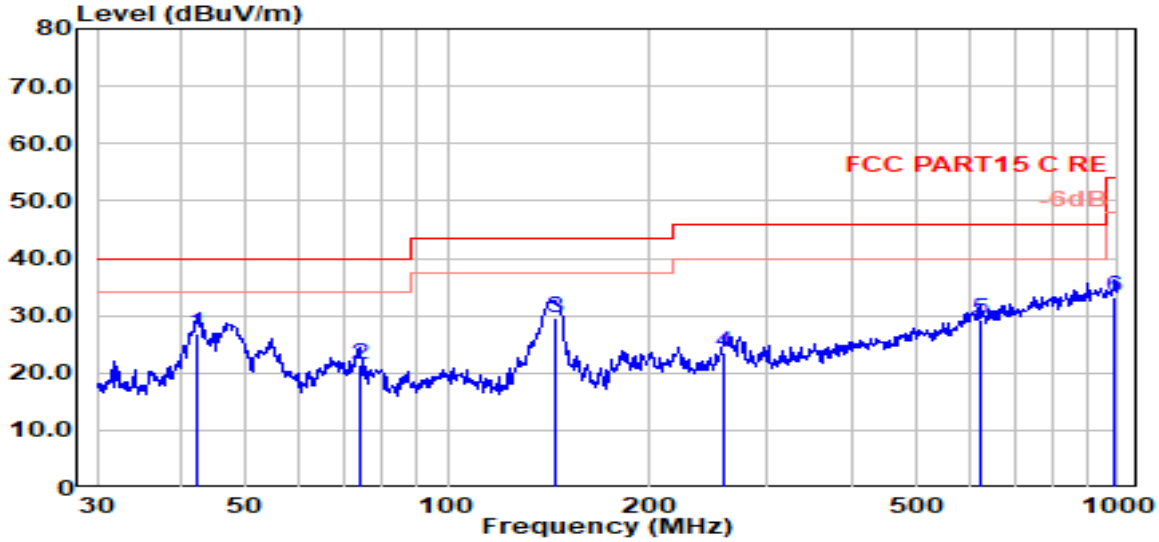


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	45.69	3.09	14.75	3.63	21.47	40.00	-18.53	QP	HORIZONTAL
2	72.85	5.13	8.82	3.81	17.76	40.00	-22.24	QP	HORIZONTAL
3	144.84	9.22	7.80	4.19	21.21	43.50	-22.29	QP	HORIZONTAL
4	266.61	11.53	12.60	4.70	28.83	46.00	-17.17	QP	HORIZONTAL
5	590.97	3.55	18.94	5.71	28.20	46.00	-17.80	QP	HORIZONTAL
6	989.54	3.29	22.40	6.78	32.47	54.00	-21.53	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

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\2021 report data\Q22050709-2E\FCC BELOW 1G\FCC BELOW 1G_00004.EMI	
Test Date	: 2022-05-25	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.2°,Humi:64.9%,Press:100.1kPa	**Antenna/Distance**	: VLUB 9163 3#/3m/Vertical
Memo	: BLE 2M		



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	42.30	9.42	13.98	3.59	27.00	40.00	-13.00	QP	Vertical
2	73.88	9.05	8.71	3.82	21.58	40.00	-18.42	QP	Vertical
3	144.33	17.62	7.80	4.19	29.60	43.50	-13.90	QP	Vertical
4	258.33	6.14	12.70	4.67	23.51	46.00	-22.49	QP	Vertical
5	622.89	4.47	18.88	5.79	29.15	46.00	-16.85	QP	Vertical
6	989.54	4.10	22.40	6.78	33.28	54.00	-20.72	QP	Vertical

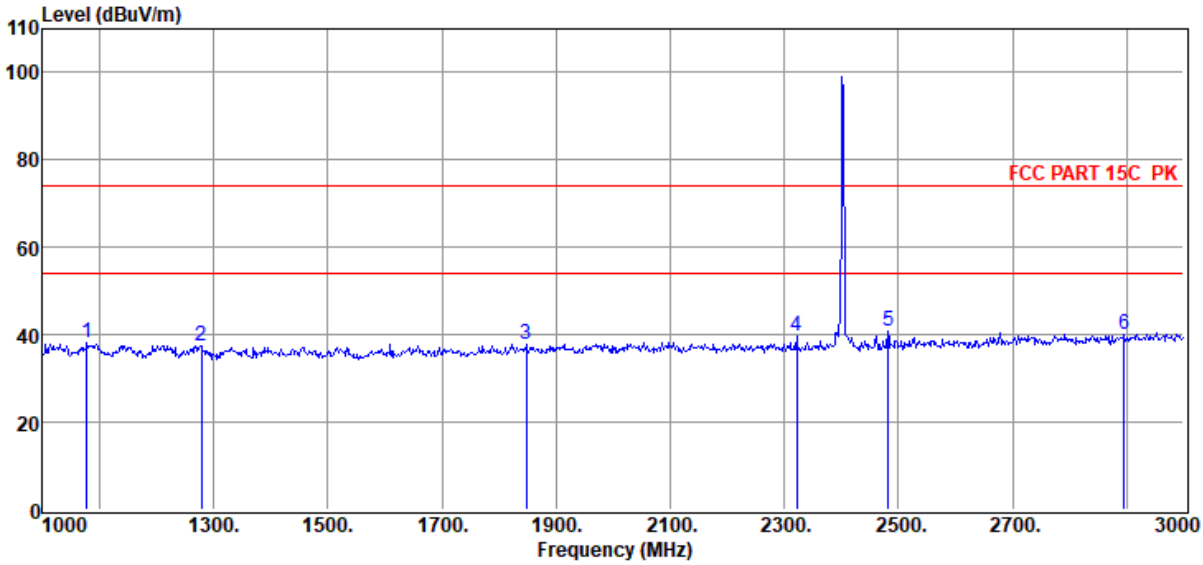
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

Radiated Emission test (above 1 GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2402		

Data: 1



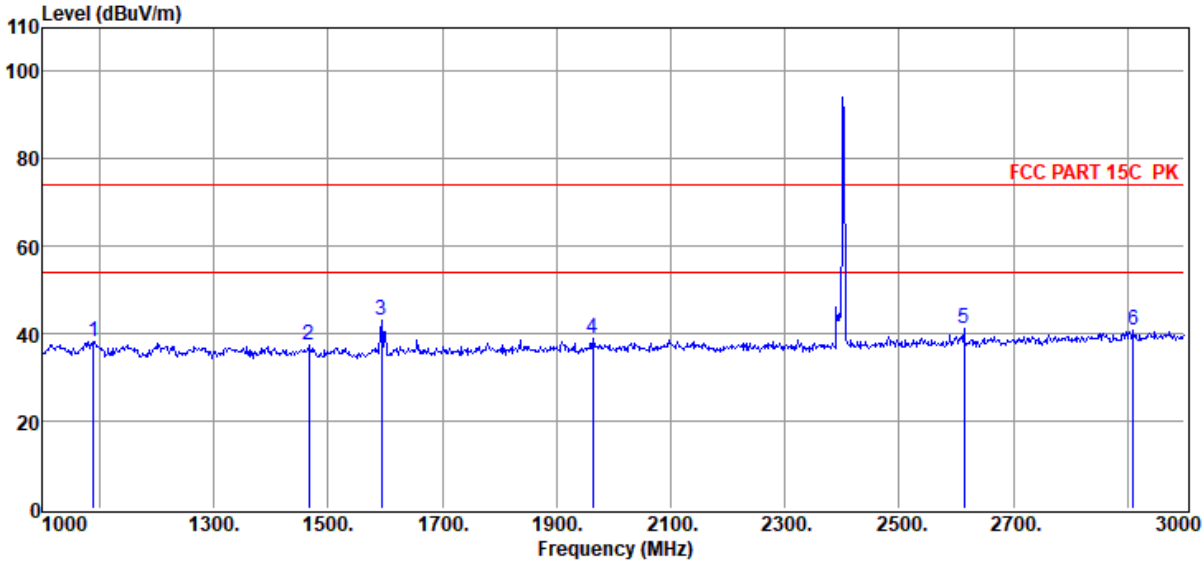
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1078.00	49.06	25.48	38.02	1.14	0.51	38.17	74.00	-35.83	Peak	HORIZONTAL
2	1278.00	48.41	25.44	38.32	1.26	0.55	37.34	74.00	-36.66	Peak	HORIZONTAL
3	1848.00	48.44	26.30	39.17	1.53	0.65	37.75	74.00	-36.25	Peak	HORIZONTAL
4	2322.00	49.43	27.28	39.56	1.69	0.72	39.56	74.00	-34.44	Peak	HORIZONTAL
5	2482.00	50.54	27.57	39.64	1.73	0.73	40.93	74.00	-33.07	Peak	HORIZONTAL
6	2896.00	48.31	29.10	39.85	1.84	0.78	40.18	74.00	-33.82	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2402		

Data: 2



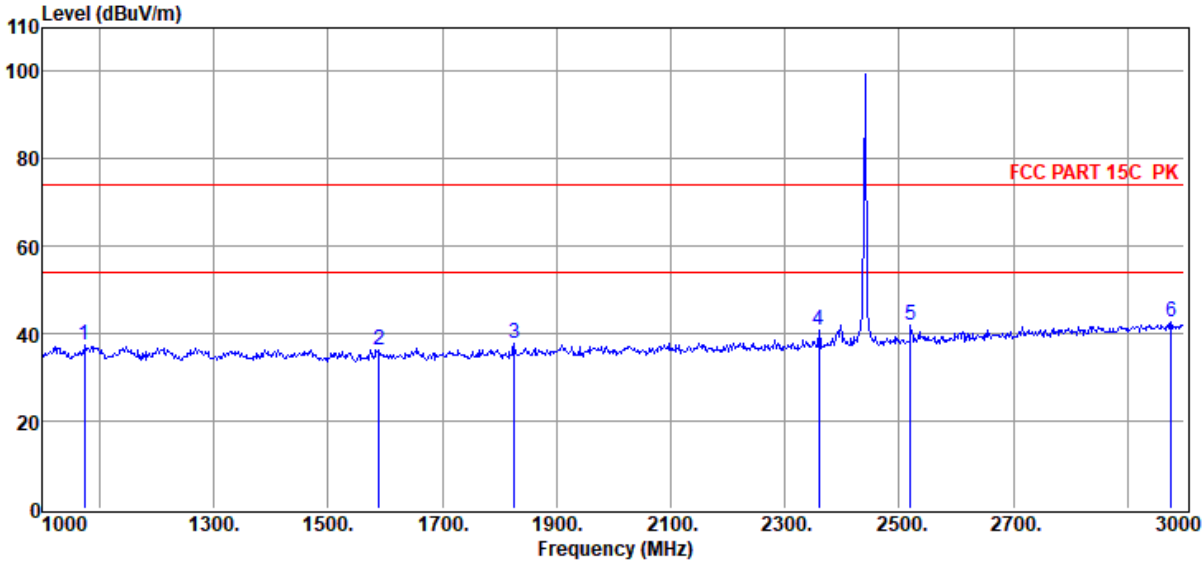
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1090.00	49.03	25.48	38.03	1.15	0.52	38.15	74.00	-35.85	Peak	VERTICAL
2	1466.00	48.51	25.41	38.60	1.36	0.58	37.26	74.00	-36.74	Peak	VERTICAL
3	1594.00	54.03	25.64	38.79	1.42	0.61	42.91	74.00	-31.09	Peak	VERTICAL
4	1964.00	49.31	26.61	39.35	1.58	0.67	38.82	74.00	-35.18	Peak	VERTICAL
5	2614.00	50.35	28.03	39.71	1.77	0.75	41.19	74.00	-32.81	Peak	VERTICAL
6	2910.00	48.88	29.16	39.86	1.85	0.78	40.81	74.00	-33.19	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2440		

Data: 3



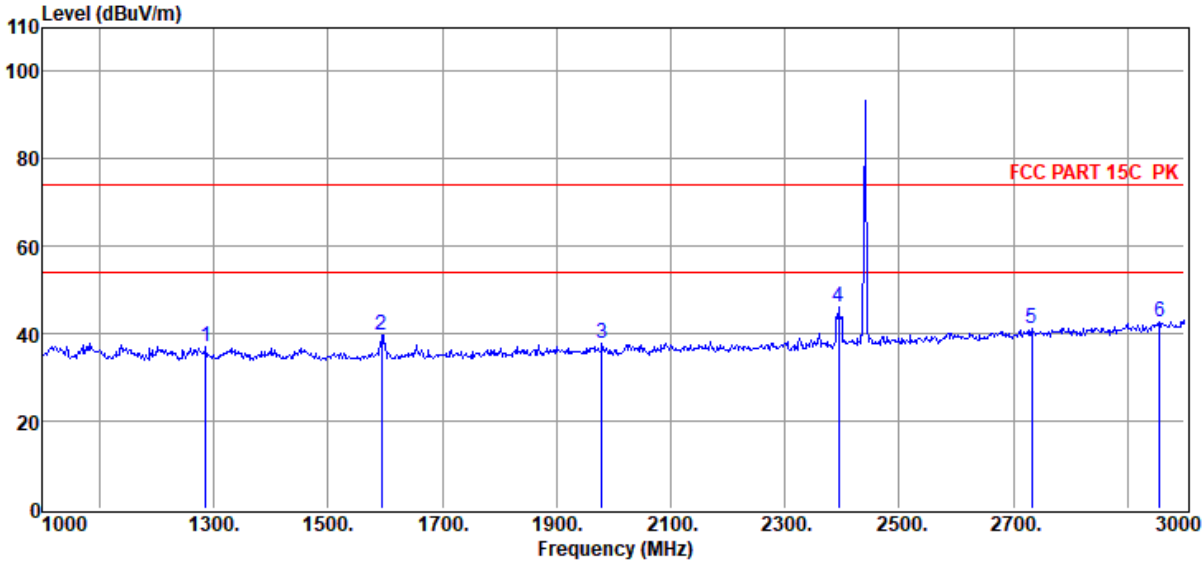
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1074.00	48.75	25.49	38.01	1.14	0.00	37.37	74.00	-36.63	Peak	HORIZONTAL
2	1590.00	48.11	25.63	38.78	1.42	0.00	36.38	74.00	-37.62	Peak	HORIZONTAL
3	1826.00	49.02	26.25	39.14	1.52	0.00	37.65	74.00	-36.35	Peak	HORIZONTAL
4	2360.00	50.07	27.35	39.58	1.70	1.14	40.68	74.00	-33.32	Peak	HORIZONTAL
5	2520.00	50.59	27.68	39.66	1.75	1.65	42.01	74.00	-31.99	Peak	HORIZONTAL
6	2976.00	48.10	29.41	39.89	1.86	3.09	42.57	74.00	-31.43	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2440		

Data: 4



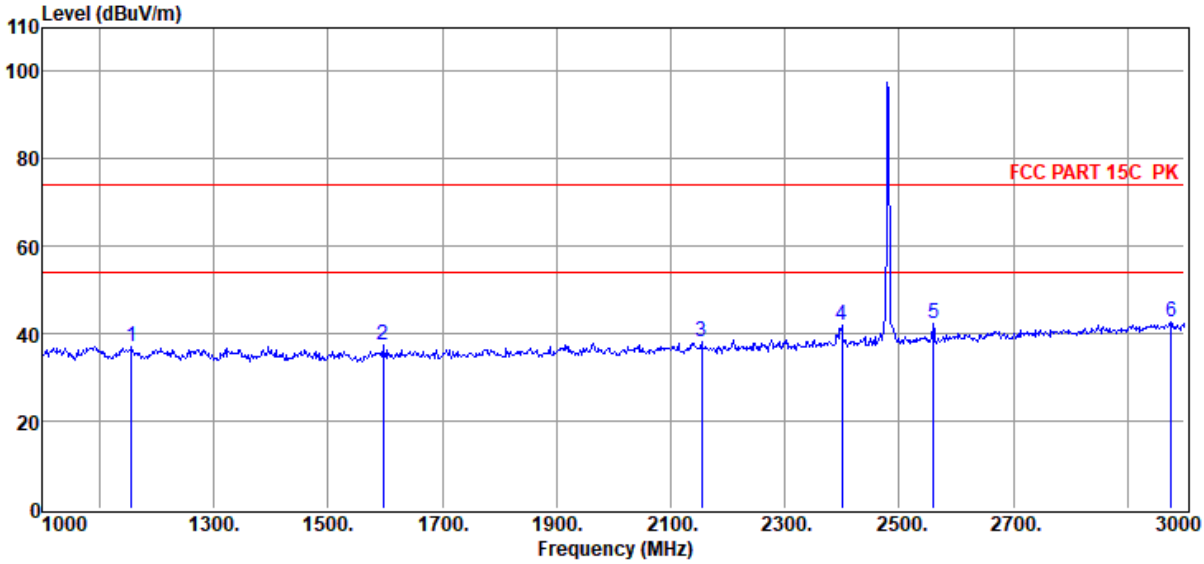
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1286.00	48.85	25.44	38.33	1.26	0.00	37.22	74.00	-36.78	Peak	VERTICAL
2	1594.00	51.41	25.64	38.79	1.42	0.00	39.68	74.00	-34.32	Peak	VERTICAL
3	1980.00	49.03	26.65	39.37	1.59	0.00	37.90	74.00	-36.10	Peak	VERTICAL
4	2394.00	55.16	27.41	39.60	1.71	1.25	45.93	74.00	-28.07	Peak	VERTICAL
5	2732.00	48.23	28.48	39.77	1.80	2.32	41.06	74.00	-32.94	Peak	VERTICAL
6	2956.00	48.44	29.33	39.88	1.86	3.03	42.78	74.00	-31.22	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2480		

Data: 5



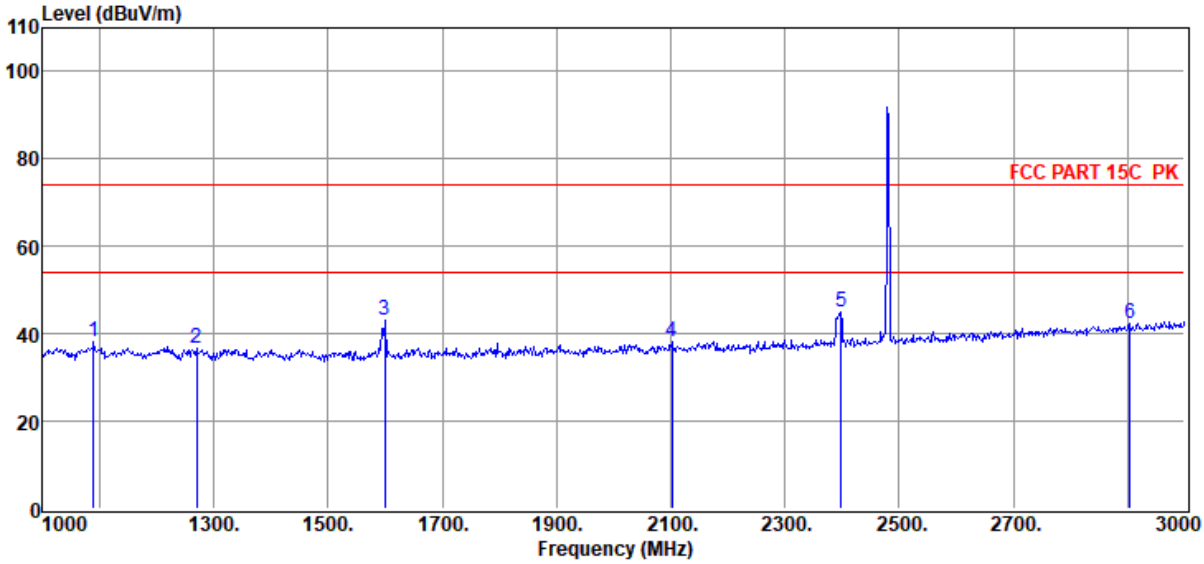
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1156.00	48.42	25.47	38.13	1.19	0.00	36.95	74.00	-37.05	Peak	HORIZONTAL
2	1596.00	49.03	25.65	38.79	1.42	0.00	37.31	74.00	-36.69	Peak	HORIZONTAL
3	2154.00	48.42	26.98	39.48	1.64	0.49	38.05	74.00	-35.95	Peak	HORIZONTAL
4	2400.00	51.34	27.42	39.60	1.71	1.27	42.14	74.00	-31.86	Peak	HORIZONTAL
5	2560.00	50.63	27.83	39.68	1.76	1.78	42.32	74.00	-31.68	Peak	HORIZONTAL
6	2976.00	48.23	29.41	39.89	1.86	3.09	42.70	74.00	-31.30	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2480		

Data: 6



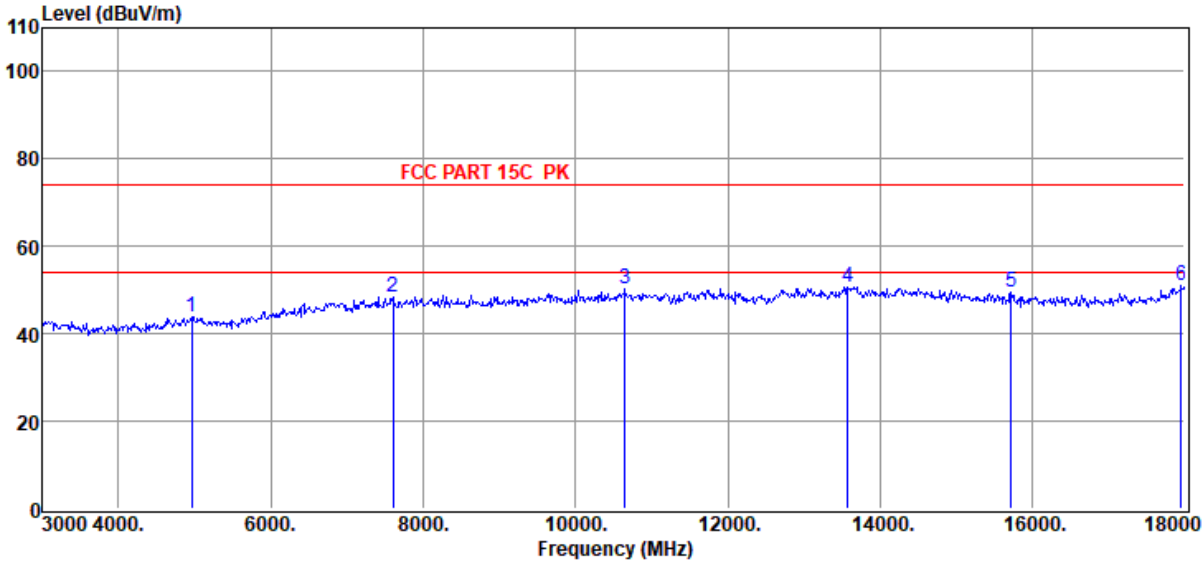
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1090.00	49.68	25.48	38.03	1.15	0.00	38.28	74.00	-35.72	Peak	VERTICAL
2	1270.00	48.35	25.45	38.31	1.25	0.00	36.74	74.00	-37.26	Peak	VERTICAL
3	1600.00	54.99	25.66	38.80	1.42	0.00	43.27	74.00	-30.73	Peak	VERTICAL
4	2102.00	48.90	26.88	39.45	1.63	0.32	38.28	74.00	-35.72	Peak	VERTICAL
5	2398.00	54.35	27.42	39.60	1.71	1.26	45.14	74.00	-28.86	Peak	VERTICAL
6	2904.00	48.32	29.14	39.85	1.85	2.87	42.33	74.00	-31.67	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2402		

Data: 7



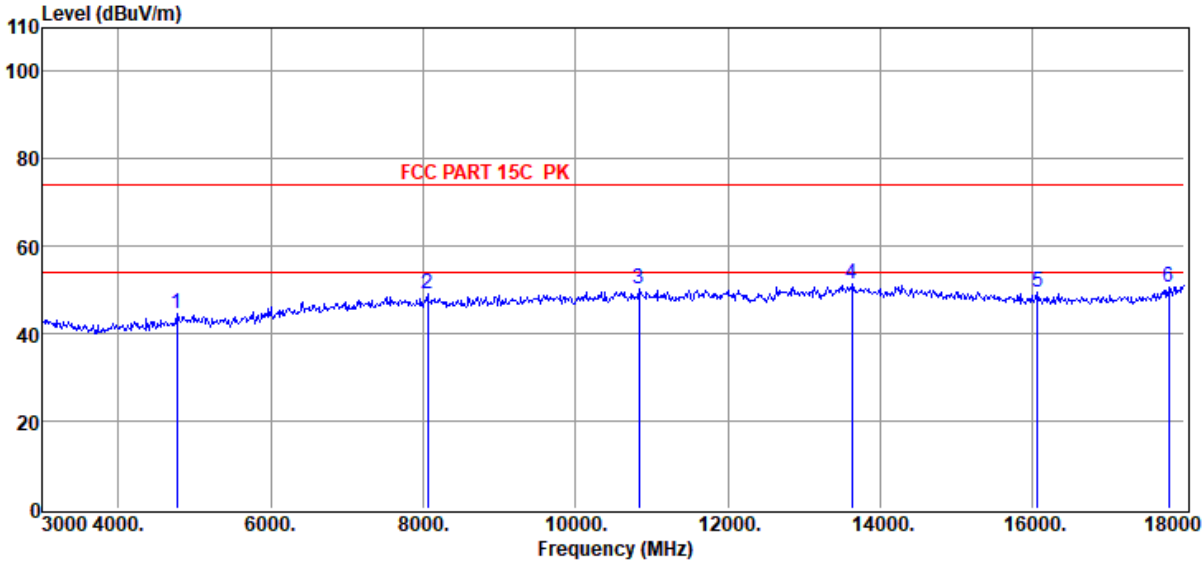
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4965.00	46.56	32.99	40.39	2.53	2.18	43.87	74.00	-30.13	Peak	HORIZONTAL
2	7605.00	46.25	36.53	39.76	3.15	2.27	48.44	74.00	-25.56	Peak	HORIZONTAL
3	10650.00	45.39	39.09	40.34	3.71	2.41	50.26	74.00	-23.74	Peak	HORIZONTAL
4	13575.00	43.68	39.99	40.00	4.07	2.93	50.67	74.00	-23.33	Peak	HORIZONTAL
5	15720.00	43.33	38.40	39.82	4.58	2.98	49.47	74.00	-24.53	Peak	HORIZONTAL
6	17955.00	40.59	42.22	40.67	4.95	3.78	50.87	74.00	-23.13	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2402		

Data: 8



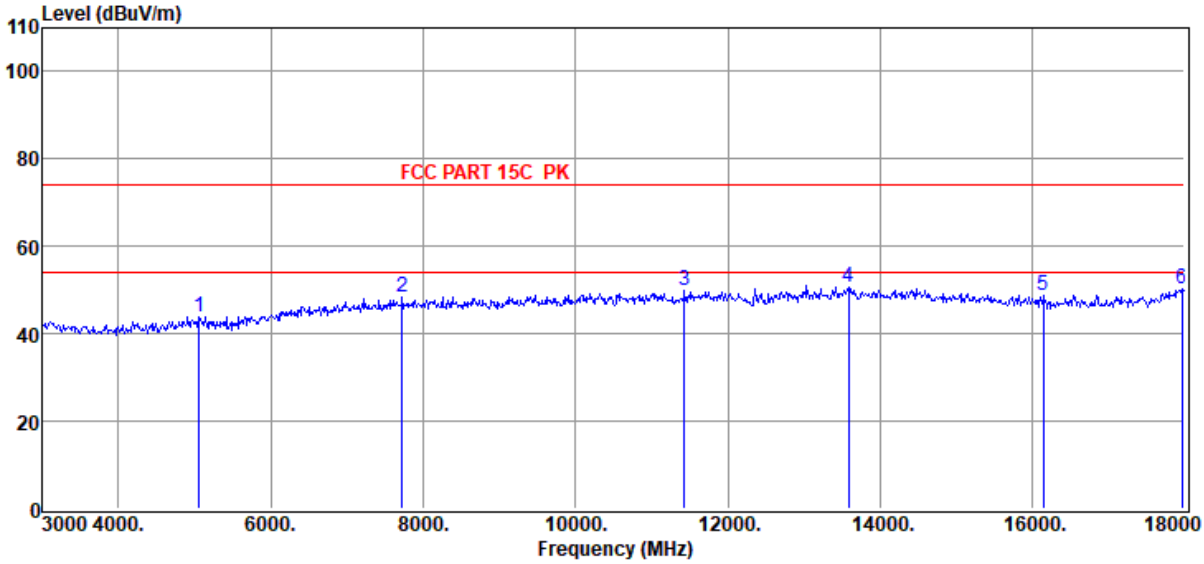
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4770.00	48.11	32.36	40.35	2.46	2.16	44.74	74.00	-29.26	Peak	VERTICAL
2	8055.00	46.39	37.09	39.81	3.19	2.27	49.13	74.00	-24.87	Peak	VERTICAL
3	10830.00	45.20	39.20	40.27	3.76	2.40	50.29	74.00	-23.71	Peak	VERTICAL
4	13635.00	44.51	39.97	39.96	4.14	2.92	51.58	74.00	-22.42	Peak	VERTICAL
5	16065.00	43.87	37.90	39.91	4.62	3.15	49.63	74.00	-24.37	Peak	VERTICAL
6	17790.00	41.58	41.20	40.57	4.90	3.73	50.84	74.00	-23.16	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2440		

Data: 9



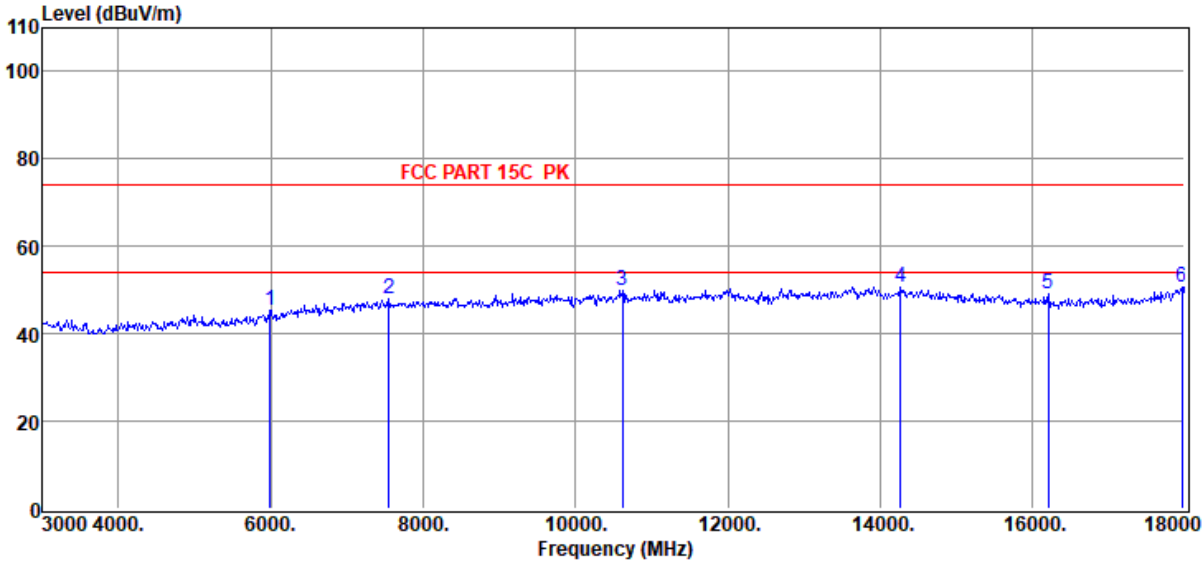
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5055.00	46.48	33.07	40.41	2.54	2.22	43.90	74.00	-30.10	Peak	HORIZONTAL
2	7725.00	45.89	36.67	39.77	3.16	2.27	48.22	74.00	-25.78	Peak	HORIZONTAL
3	11430.00	44.50	39.04	40.16	3.95	2.39	49.72	74.00	-24.28	Peak	HORIZONTAL
4	13590.00	43.78	39.98	39.99	4.09	2.92	50.78	74.00	-23.22	Peak	HORIZONTAL
5	16140.00	43.01	37.90	39.93	4.64	3.17	48.79	74.00	-25.21	Peak	HORIZONTAL
6	17970.00	39.87	42.31	40.68	4.95	3.78	50.23	74.00	-23.77	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2440		

Data: 10



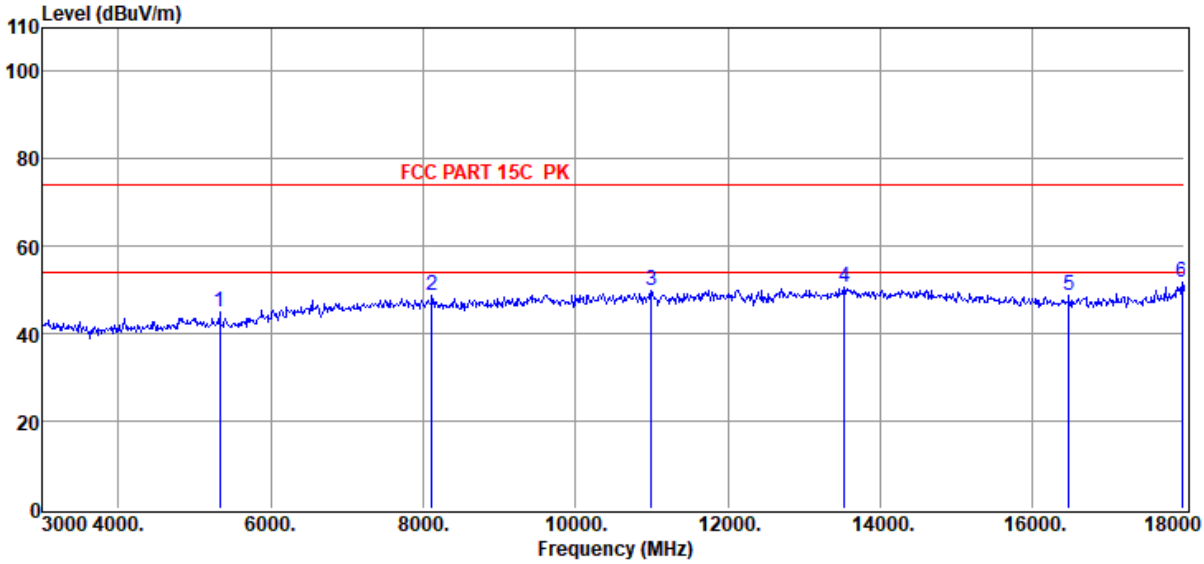
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5985.00	46.27	33.96	40.50	3.02	2.79	45.54	74.00	-28.46	Peak	VERTICAL
2	7545.00	46.07	36.45	39.75	3.14	2.27	48.18	74.00	-25.82	Peak	VERTICAL
3	10620.00	44.95	39.07	40.35	3.70	2.42	49.79	74.00	-24.21	Peak	VERTICAL
4	14265.00	43.29	39.90	39.67	4.43	2.83	50.78	74.00	-23.22	Peak	VERTICAL
5	16215.00	43.28	37.90	39.94	4.66	3.20	49.10	74.00	-24.90	Peak	VERTICAL
6	17970.00	40.11	42.31	40.68	4.95	3.78	50.47	74.00	-23.53	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2480		

Data: 11



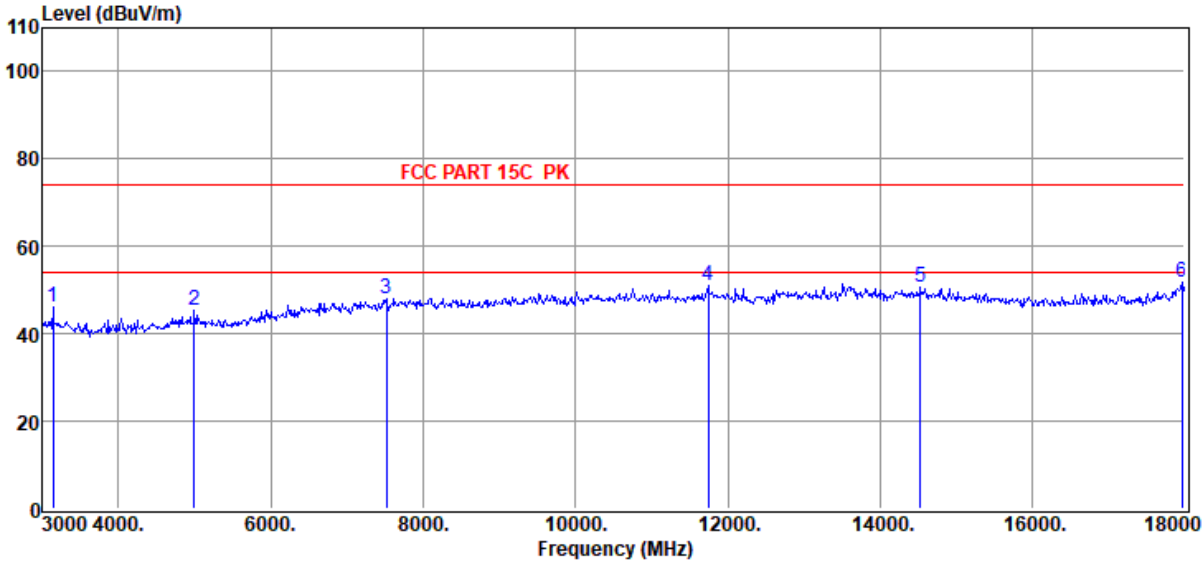
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5325.00	47.41	32.90	40.43	2.56	2.39	44.83	74.00	-29.17	Peak	HORIZONTAL
2	8115.00	45.74	37.18	39.81	3.20	2.27	48.58	74.00	-25.42	Peak	HORIZONTAL
3	10995.00	44.44	39.30	40.20	3.80	2.38	49.72	74.00	-24.28	Peak	HORIZONTAL
4	13530.00	43.85	39.99	40.03	4.02	2.93	50.76	74.00	-23.24	Peak	HORIZONTAL
5	16485.00	42.69	37.90	40.00	4.73	3.31	48.63	74.00	-25.37	Peak	HORIZONTAL
6	17970.00	41.28	42.31	40.68	4.95	3.78	51.64	74.00	-22.36	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2480		

Data: 12



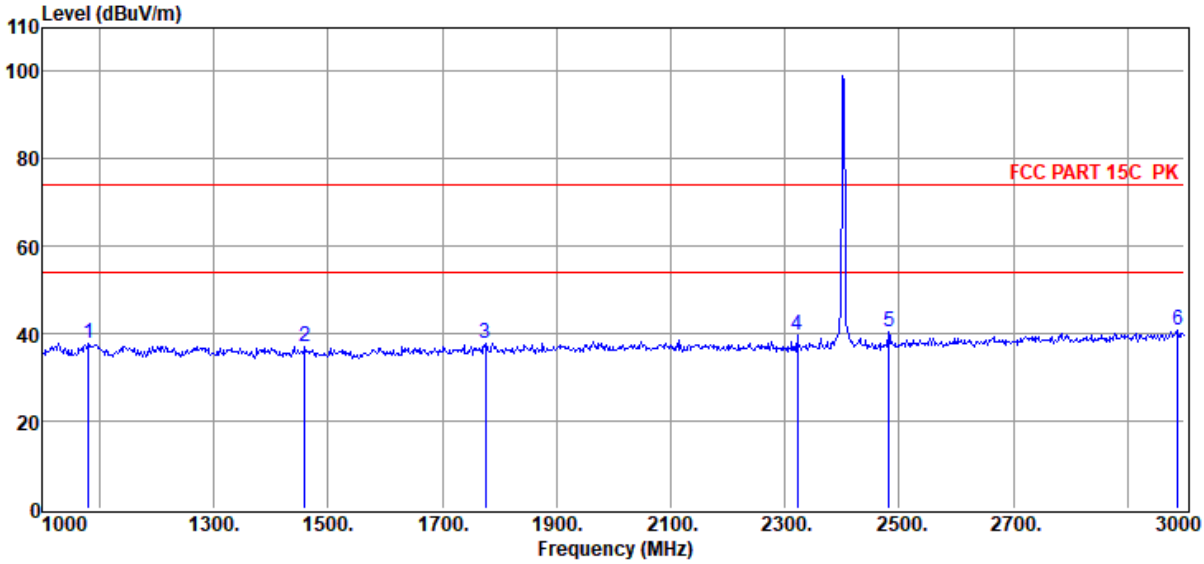
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	3135.00	51.85	29.47	39.94	1.82	3.02	46.22	74.00	-27.78	Peak	VERTICAL
2	4995.00	48.04	33.08	40.40	2.54	2.19	45.45	74.00	-28.55	Peak	VERTICAL
3	7515.00	45.86	36.42	39.75	3.14	2.27	47.94	74.00	-26.06	Peak	VERTICAL
4	11745.00	45.48	39.10	40.13	4.01	2.39	50.85	74.00	-23.15	Peak	VERTICAL
5	14535.00	43.35	39.87	39.65	4.36	2.75	50.68	74.00	-23.32	Peak	VERTICAL
6	17970.00	41.53	42.31	40.68	4.95	3.78	51.89	74.00	-22.11	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2402		

Data: 13



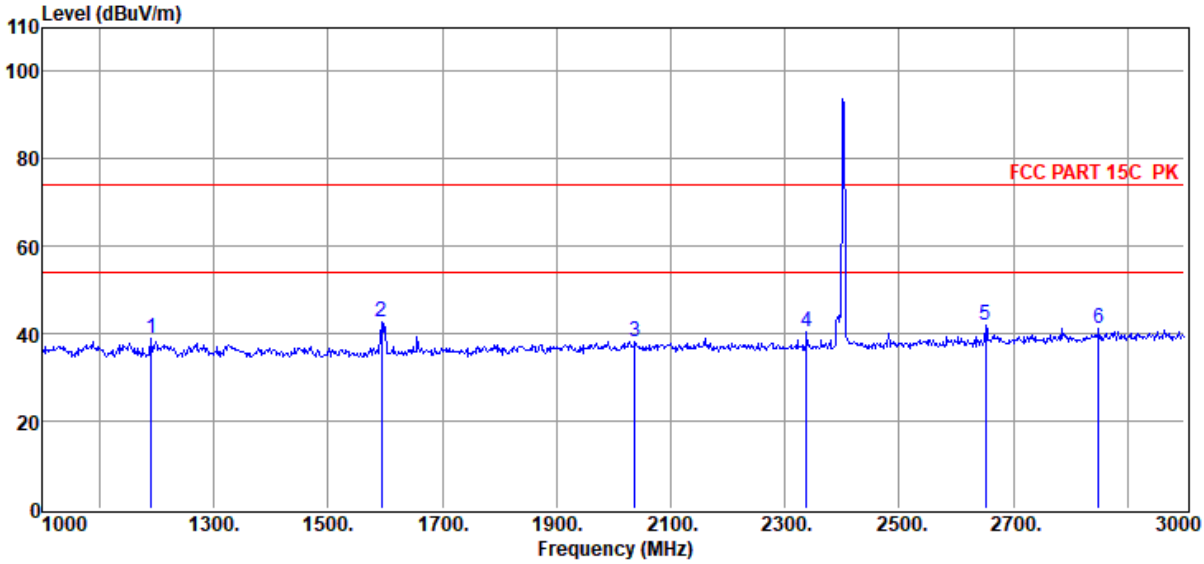
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1080.00	48.74	25.48	38.02	1.14	0.51	37.85	74.00	-36.15	Peak	HORIZONTAL
2	1460.00	48.22	25.41	38.59	1.36	0.58	36.98	74.00	-37.02	Peak	HORIZONTAL
3	1776.00	48.61	26.12	39.06	1.50	0.64	37.81	74.00	-36.19	Peak	HORIZONTAL
4	2322.00	49.52	27.28	39.56	1.69	0.72	39.65	74.00	-34.35	Peak	HORIZONTAL
5	2482.00	49.94	27.57	39.64	1.73	0.73	40.33	74.00	-33.67	Peak	HORIZONTAL
6	2988.00	48.74	29.45	39.89	1.87	0.79	40.96	74.00	-33.04	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2402		

Data: 14



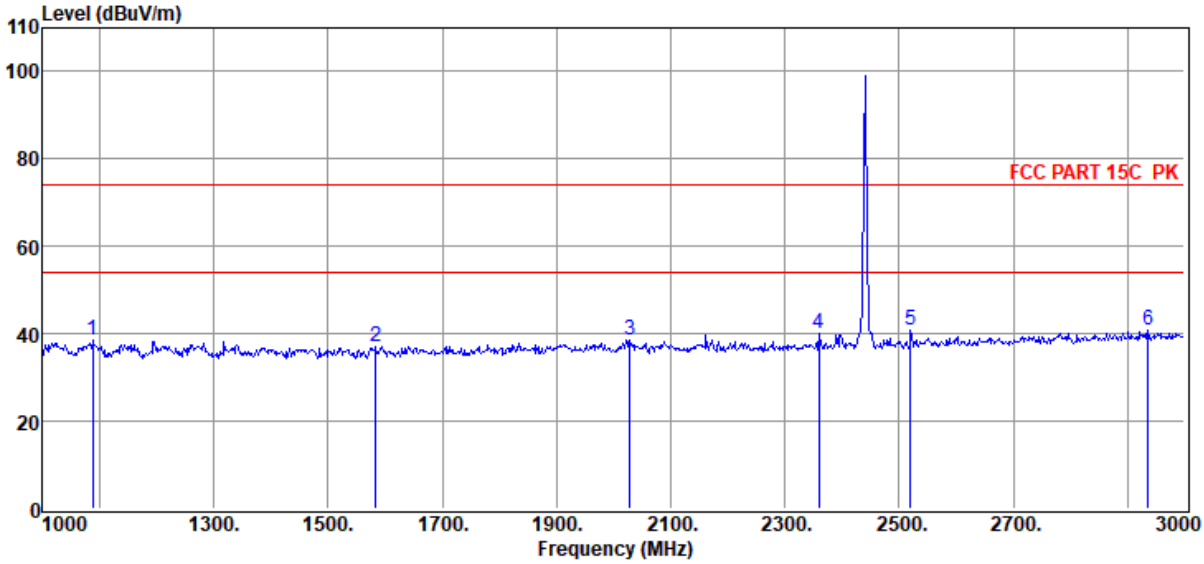
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1190.00	49.80	25.46	38.19	1.21	0.53	38.81	74.00	-35.19	Peak	VERTICAL
2	1594.00	53.84	25.64	38.79	1.42	0.61	42.72	74.00	-31.28	Peak	VERTICAL
3	2038.00	48.62	26.77	39.42	1.61	0.68	38.26	74.00	-35.74	Peak	VERTICAL
4	2338.00	50.41	27.31	39.57	1.69	0.72	40.56	74.00	-33.44	Peak	VERTICAL
5	2652.00	50.96	28.18	39.73	1.78	0.75	41.94	74.00	-32.06	Peak	VERTICAL
6	2850.00	49.59	28.93	39.83	1.83	0.77	41.29	74.00	-32.71	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2440		

Data: 15



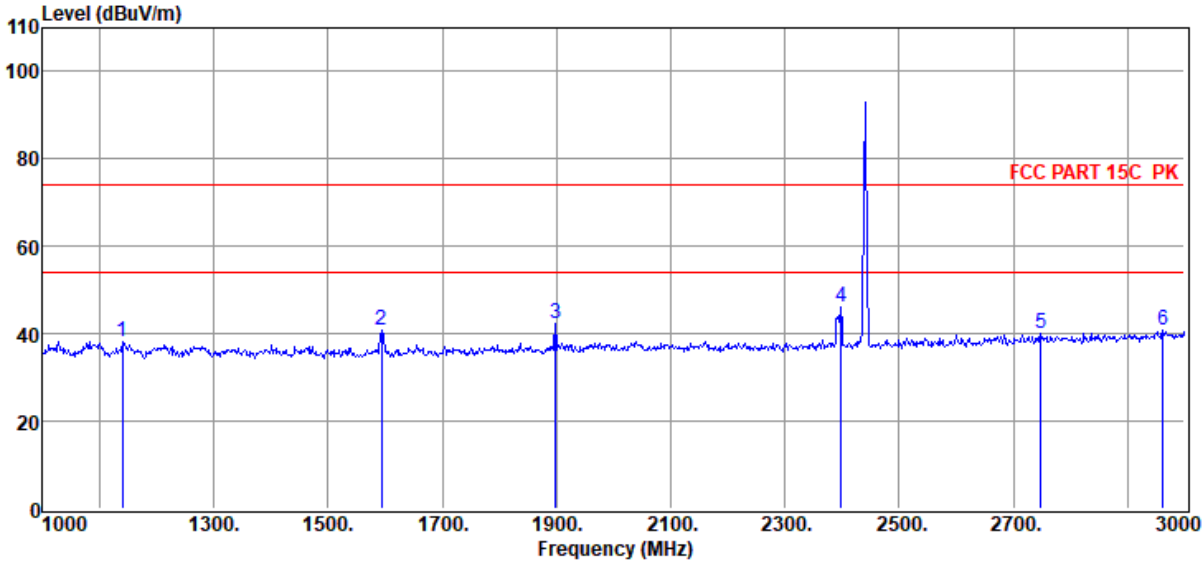
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1088.00	49.27	25.48	38.03	1.15	0.52	38.39	74.00	-35.61	Peak	HORIZONTAL
2	1584.00	48.31	25.62	38.78	1.42	0.61	37.18	74.00	-36.82	Peak	HORIZONTAL
3	2028.00	48.87	26.75	39.41	1.61	0.68	38.50	74.00	-35.50	Peak	HORIZONTAL
4	2360.00	49.92	27.35	39.58	1.70	0.72	40.11	74.00	-33.89	Peak	HORIZONTAL
5	2520.00	50.45	27.68	39.66	1.75	0.74	40.96	74.00	-33.04	Peak	HORIZONTAL
6	2936.00	48.89	29.26	39.87	1.85	0.78	40.91	74.00	-33.09	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2440		

Data: 16



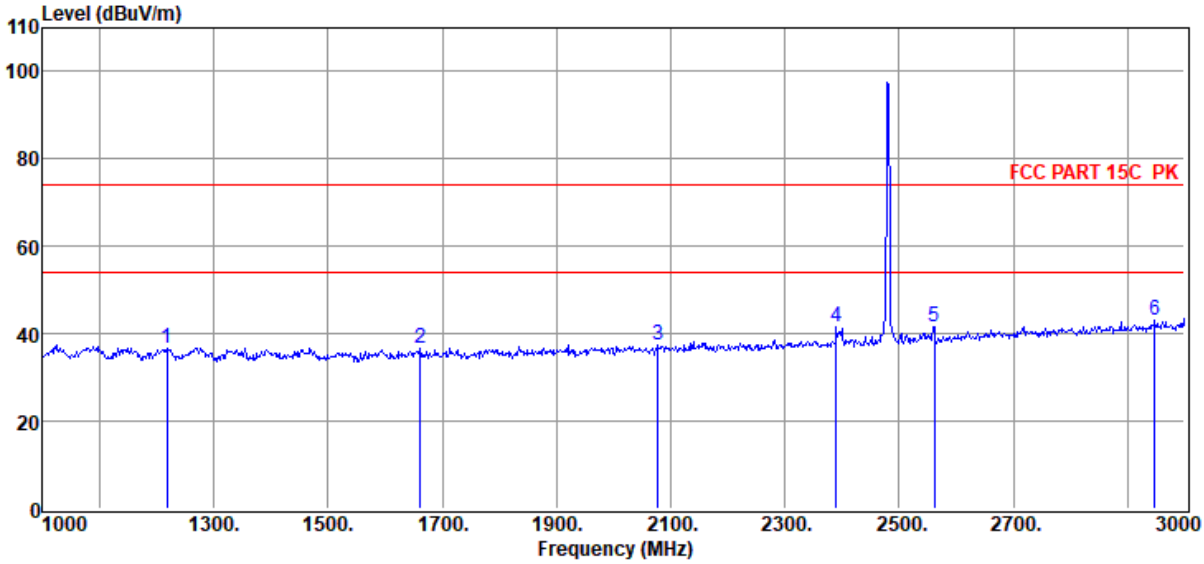
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1140.00	49.30	25.47	38.11	1.18	0.53	38.37	74.00	-35.63	Peak	VERTICAL
2	1594.00	51.82	25.64	38.79	1.42	0.61	40.70	74.00	-33.30	Peak	VERTICAL
3	1898.00	52.85	26.43	39.25	1.56	0.66	42.25	74.00	-31.75	Peak	VERTICAL
4	2398.00	55.86	27.42	39.60	1.71	0.72	46.11	74.00	-27.89	Peak	VERTICAL
5	2748.00	48.66	28.54	39.77	1.80	0.76	39.99	74.00	-34.01	Peak	VERTICAL
6	2962.00	48.54	29.36	39.88	1.86	0.79	40.67	74.00	-33.33	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2480		

Data: 17



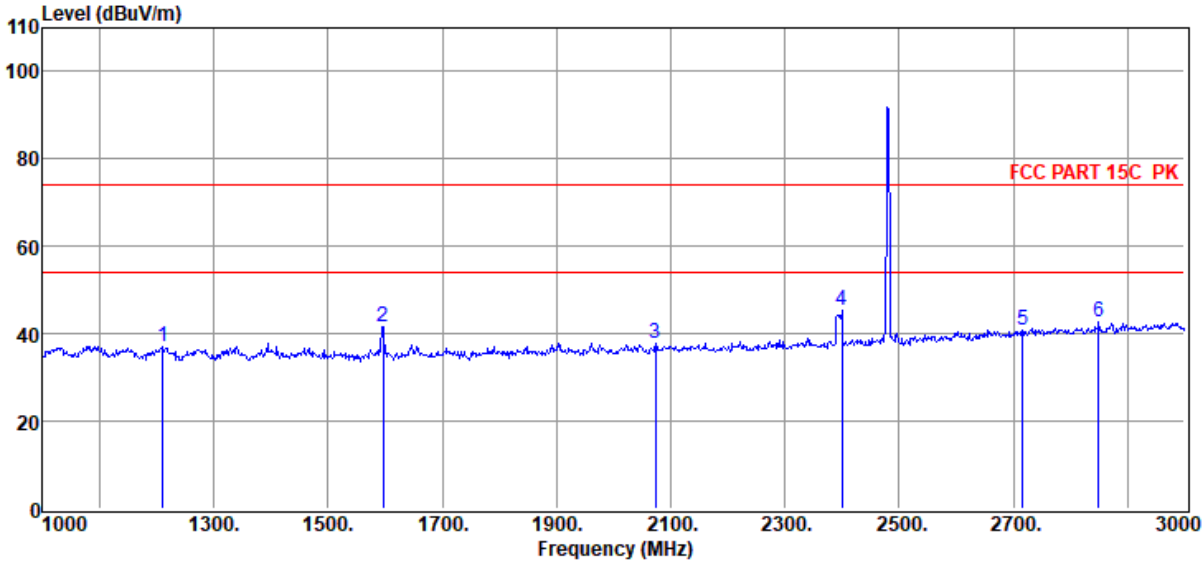
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1218.00	48.39	25.46	38.23	1.22	0.00	36.84	74.00	-37.16	Peak	HORIZONTAL
2	1662.00	48.22	25.82	38.89	1.45	0.00	36.60	74.00	-37.40	Peak	HORIZONTAL
3	2078.00	48.20	26.84	39.44	1.62	0.25	37.47	74.00	-36.53	Peak	HORIZONTAL
4	2390.00	51.00	27.40	39.60	1.71	1.24	41.75	74.00	-32.25	Peak	HORIZONTAL
5	2562.00	49.88	27.84	39.68	1.76	1.78	41.58	74.00	-32.42	Peak	HORIZONTAL
6	2948.00	48.84	29.30	39.87	1.86	3.01	43.14	74.00	-30.86	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2480		

Data: 18



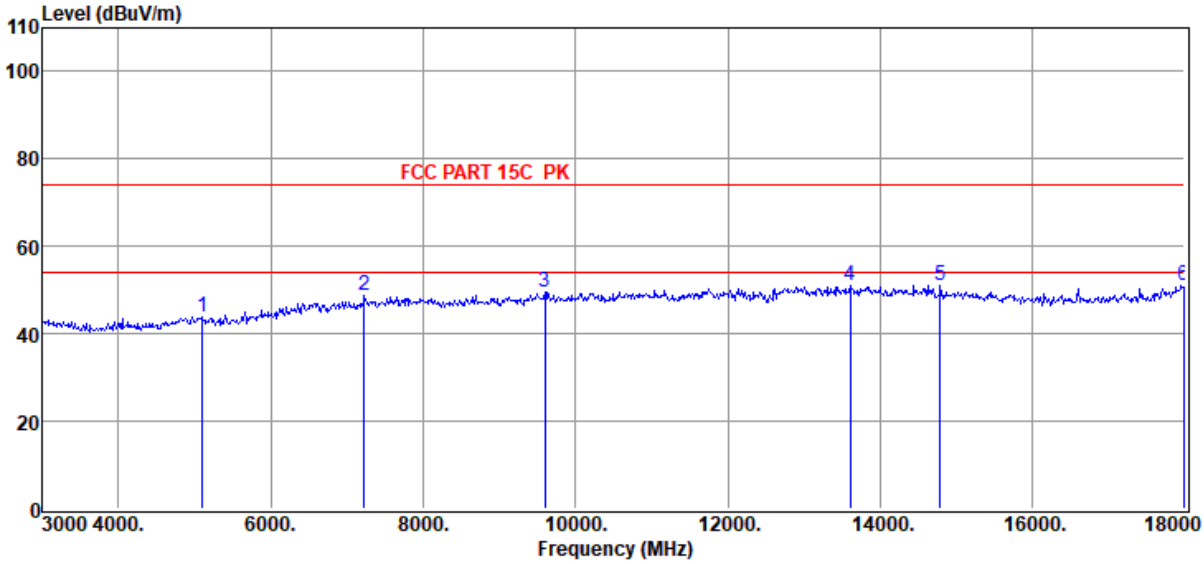
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	1210.00	48.53	25.46	38.22	1.22	0.00	36.99	74.00	-37.01	Peak	VERTICAL
2	1596.00	53.17	25.65	38.79	1.42	0.00	41.45	74.00	-32.55	Peak	VERTICAL
3	2074.00	48.44	26.83	39.44	1.62	0.23	37.68	74.00	-36.32	Peak	VERTICAL
4	2400.00	54.53	27.42	39.60	1.71	1.27	45.33	74.00	-28.67	Peak	VERTICAL
5	2716.00	48.06	28.42	39.76	1.80	2.27	40.79	74.00	-33.21	Peak	VERTICAL
6	2850.00	49.26	28.93	39.83	1.83	2.69	42.88	74.00	-31.12	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2402		

Data: 19



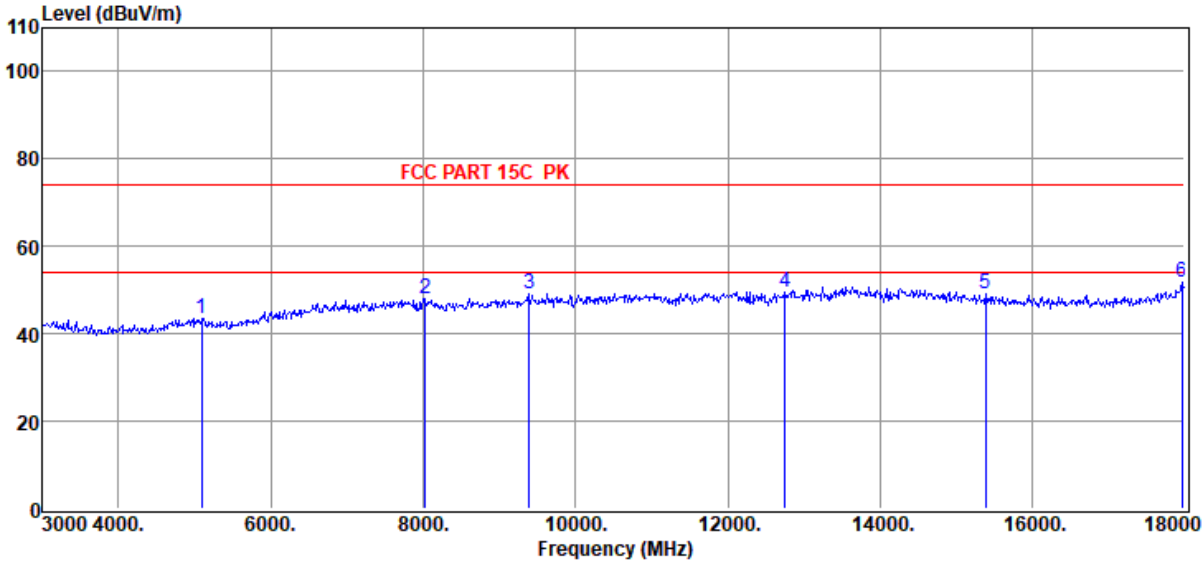
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5100.00	46.51	33.04	40.41	2.55	2.25	43.94	74.00	-30.06	Peak	HORIZONTAL
2	7230.00	47.06	36.18	39.72	3.08	2.26	48.86	74.00	-25.14	Peak	HORIZONTAL
3	9600.00	45.21	38.64	40.32	3.63	2.36	49.52	74.00	-24.48	Peak	HORIZONTAL
4	13605.00	43.99	39.98	39.98	4.10	2.92	51.01	74.00	-22.99	Peak	HORIZONTAL
5	14790.00	43.96	39.67	39.62	4.42	2.68	51.11	74.00	-22.89	Peak	HORIZONTAL
6	17985.00	40.69	42.41	40.69	4.96	3.79	51.16	74.00	-22.84	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2402		

Data: 20



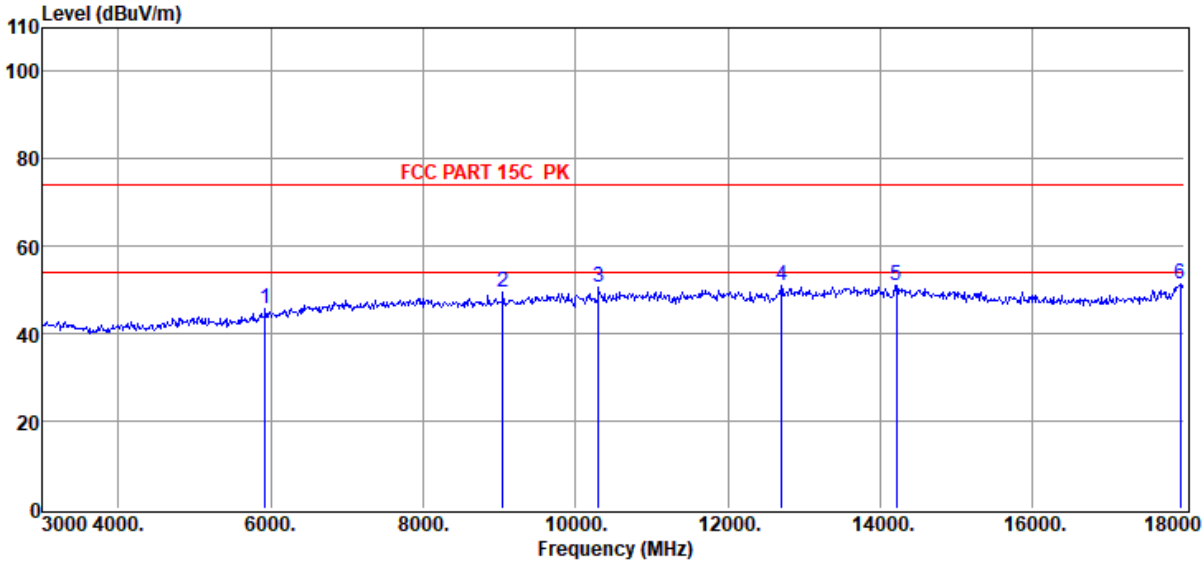
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5085.00	46.02	33.05	40.41	2.55	2.24	43.45	74.00	-30.55	Peak	VERTICAL
2	8025.00	45.36	37.04	39.80	3.19	2.28	48.07	74.00	-25.93	Peak	VERTICAL
3	9390.00	44.92	38.61	40.17	3.56	2.30	49.22	74.00	-24.78	Peak	VERTICAL
4	12750.00	43.75	39.30	40.33	4.06	2.82	49.60	74.00	-24.40	Peak	VERTICAL
5	15390.00	42.39	38.95	39.72	4.54	2.81	48.97	74.00	-25.03	Peak	VERTICAL
6	17970.00	41.51	42.31	40.68	4.95	3.78	51.87	74.00	-22.13	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2440		

Data: 21



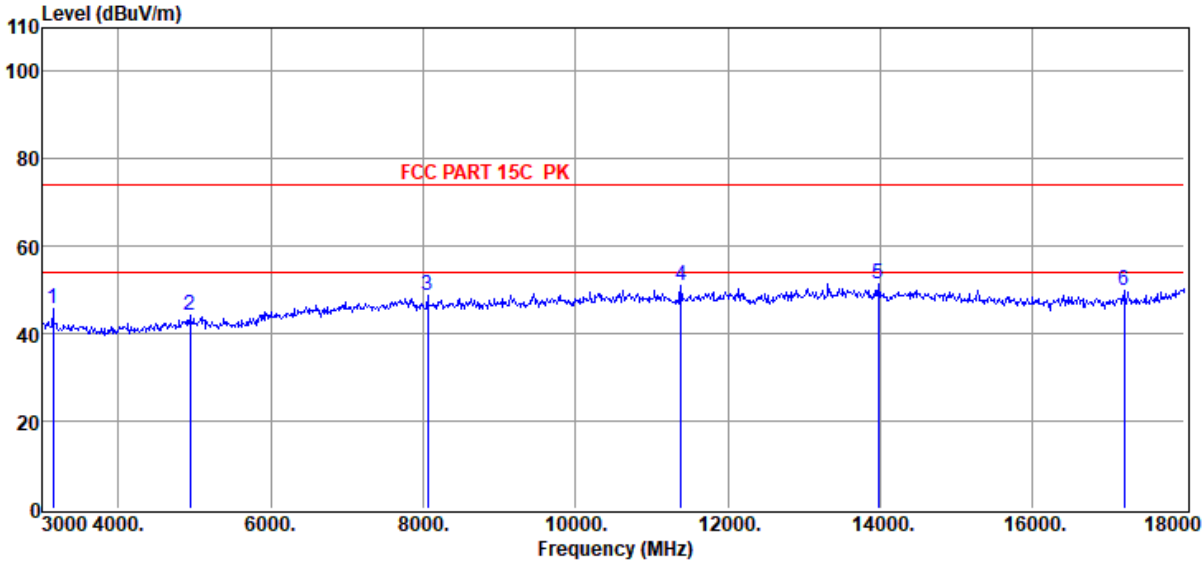
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5925.00	46.56	33.82	40.49	2.96	2.75	45.60	74.00	-28.40	Peak	HORIZONTAL
2	9045.00	45.60	38.34	39.93	3.36	2.19	49.56	74.00	-24.44	Peak	HORIZONTAL
3	10305.00	46.34	38.77	40.48	3.67	2.45	50.75	74.00	-23.25	Peak	HORIZONTAL
4	12705.00	45.48	39.25	40.31	3.99	2.79	51.20	74.00	-22.80	Peak	HORIZONTAL
5	14220.00	43.46	39.90	39.68	4.45	2.84	50.97	74.00	-23.03	Peak	HORIZONTAL
6	17940.00	41.08	42.13	40.66	4.94	3.77	51.26	74.00	-22.74	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2440		

Data: 22



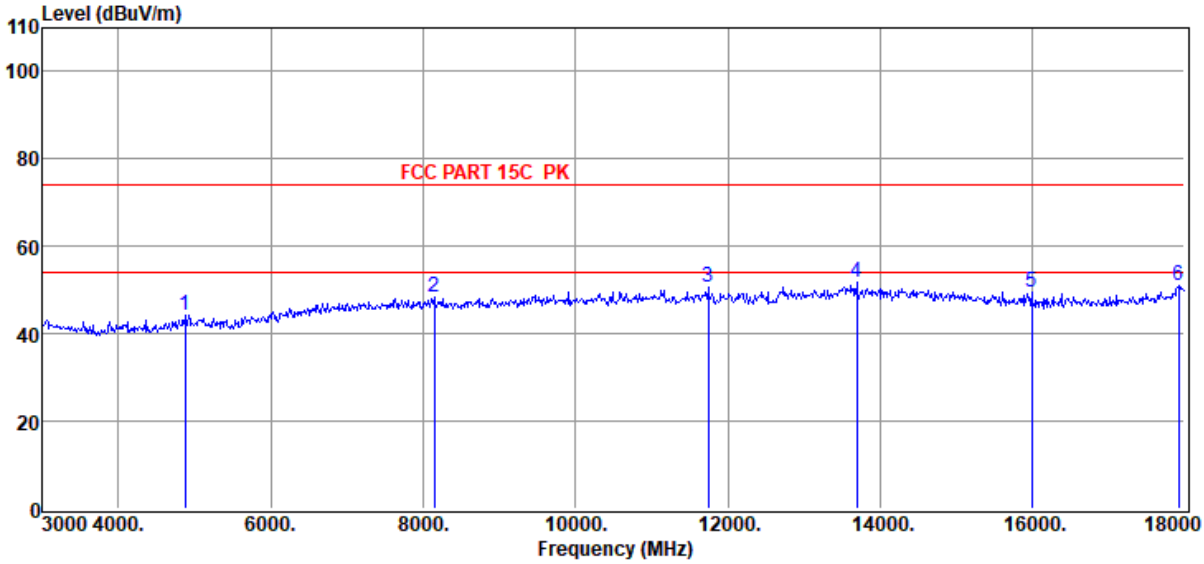
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	3135.00	51.55	29.47	39.94	1.82	3.02	45.92	74.00	-28.08	Peak	VERTICAL
2	4935.00	47.22	32.89	40.39	2.52	2.18	44.42	74.00	-29.58	Peak	VERTICAL
3	8055.00	46.10	37.09	39.81	3.19	2.27	48.84	74.00	-25.16	Peak	VERTICAL
4	11385.00	45.68	39.07	40.16	3.93	2.39	50.91	74.00	-23.09	Peak	VERTICAL
5	13980.00	43.68	39.90	39.71	4.51	2.90	51.28	74.00	-22.72	Peak	VERTICAL
6	17205.00	42.96	38.87	40.22	4.76	3.57	49.94	74.00	-24.06	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2480		

Data: 23



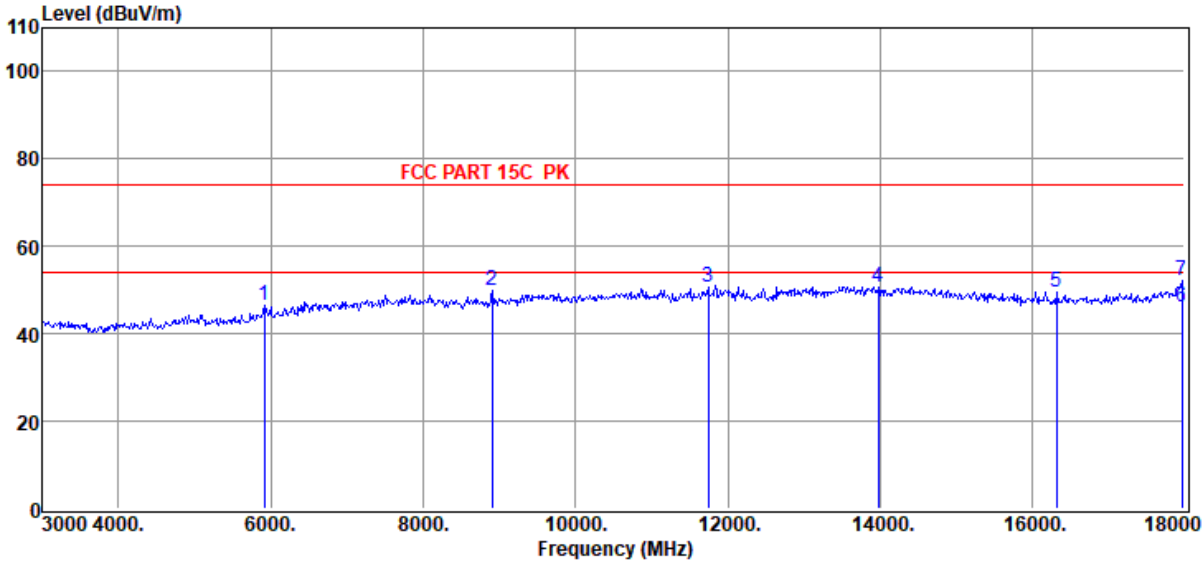
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	4875.00	47.22	32.70	40.38	2.49	2.17	44.20	74.00	-29.80	Peak	HORIZONTAL
2	8145.00	45.53	37.23	39.81	3.20	2.27	48.42	74.00	-25.58	Peak	HORIZONTAL
3	11745.00	45.19	39.10	40.13	4.01	2.39	50.56	74.00	-23.44	Peak	HORIZONTAL
4	13695.00	44.50	39.96	39.91	4.20	2.92	51.67	74.00	-22.33	Peak	HORIZONTAL
5	15990.00	43.89	37.92	39.90	4.60	3.11	49.62	74.00	-24.38	Peak	HORIZONTAL
6	17925.00	40.92	42.03	40.65	4.94	3.77	51.01	74.00	-22.99	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2480		

Data: 24



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	5910.00	47.51	33.78	40.49	2.95	2.75	46.50	74.00	-27.50	Peak	VERTICAL
2	8910.00	46.23	38.21	39.89	3.31	2.19	50.05	74.00	-23.95	Peak	VERTICAL
3	11745.00	45.37	39.10	40.13	4.01	2.39	50.74	74.00	-23.26	Peak	VERTICAL
4	13980.00	43.19	39.90	39.71	4.51	2.90	50.79	74.00	-23.21	Peak	VERTICAL
5	16320.00	43.83	37.90	39.96	4.68	3.24	49.69	74.00	-24.31	Peak	VERTICAL
6	17970.00	35.64	42.31	40.68	4.95	3.78	46.00	54.00	-8.00	Average	VERTICAL
7	17970.00	41.89	42.31	40.68	4.95	3.78	52.25	74.00	-21.75	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

9. RF Conducted Spurious Emissions

9.1. Block diagram of test setup

Same as section 4.1

9.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

9.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	≥span/RBW
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

9.4. Test result

Mode	Freq. (MHz)	Verdict
GFSK 1M	2402	Pass
	2440	Pass
	2480	Pass
GFSK 2M	2402	Pass
	2440	Pass
	2480	Pass

9.5. Original test data

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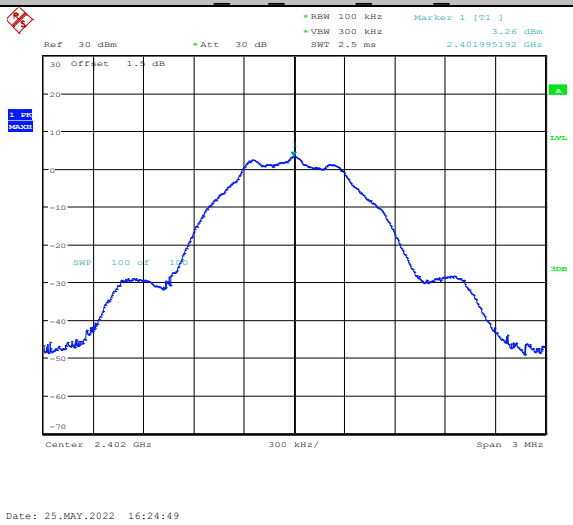

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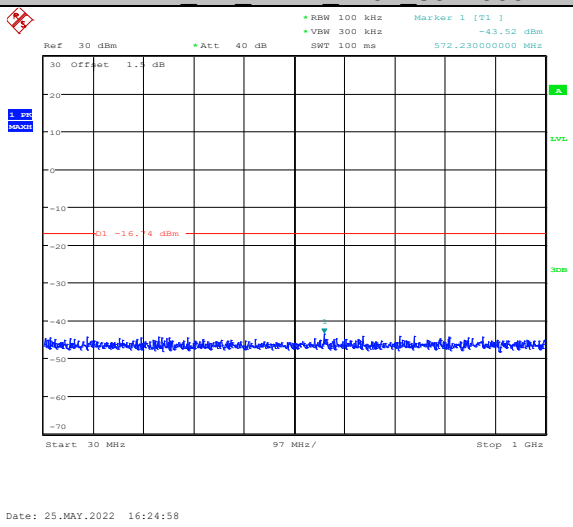
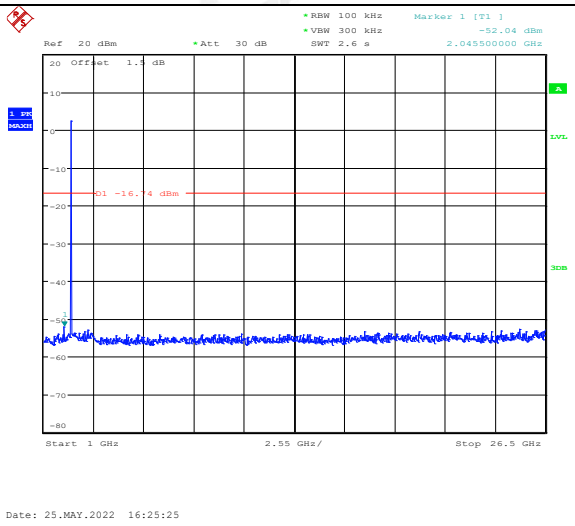
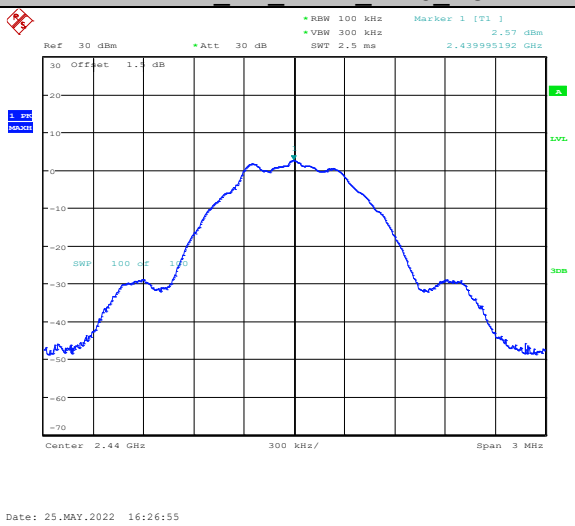


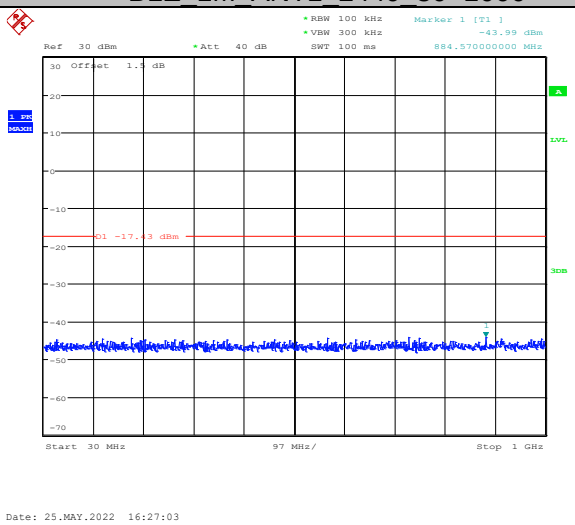
BLE_1M_ANT1_2402_1000~26500



BLE_1M_ANT1_2440_Ref



BLE_1M_ANT1_2440_30~1000



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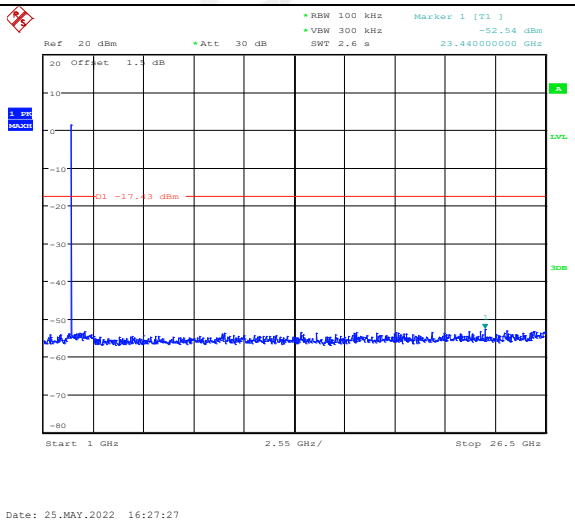

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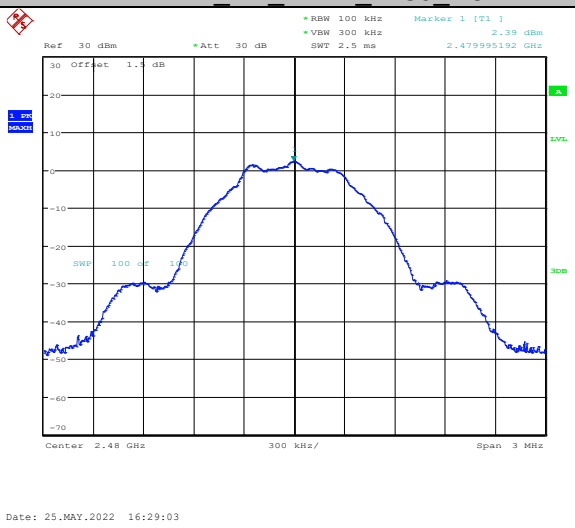

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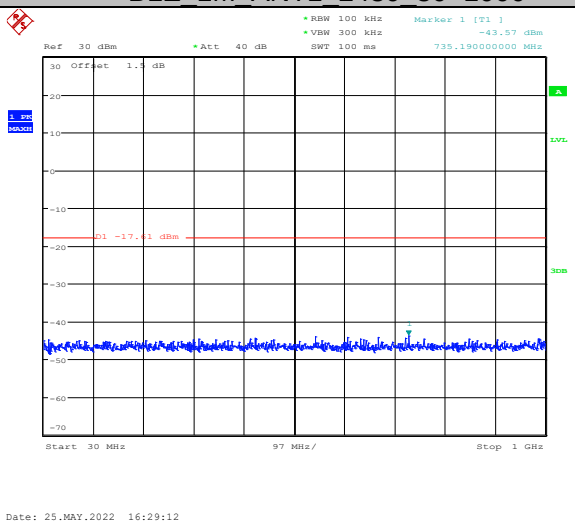
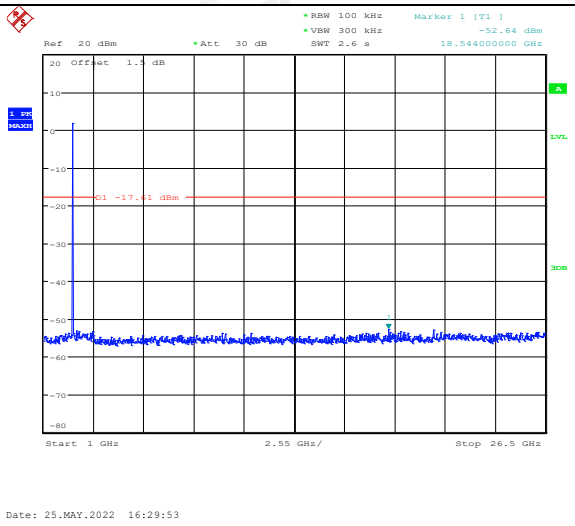
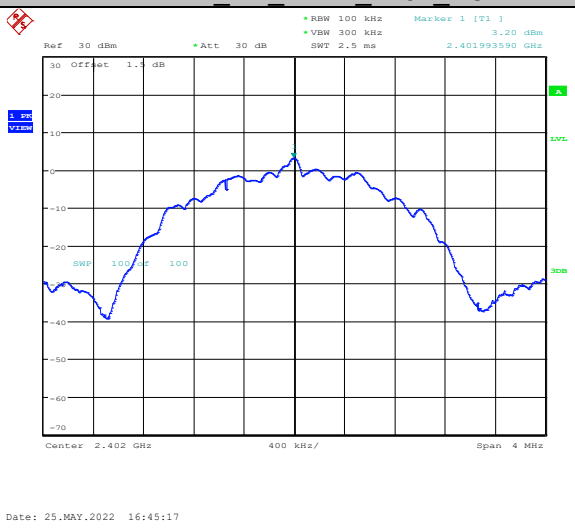


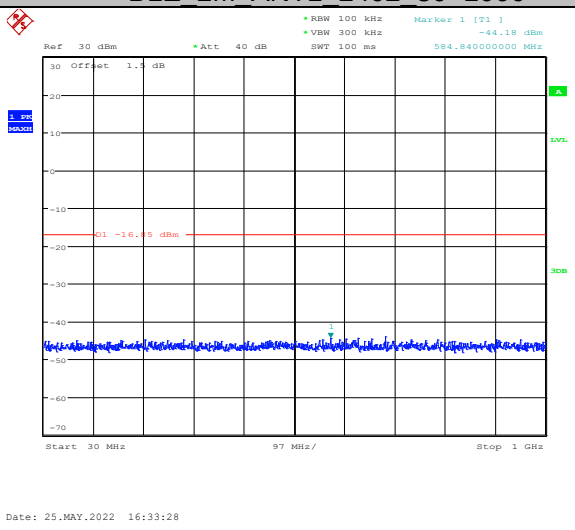
BLE_1M_ANT1_2480_1000~26500



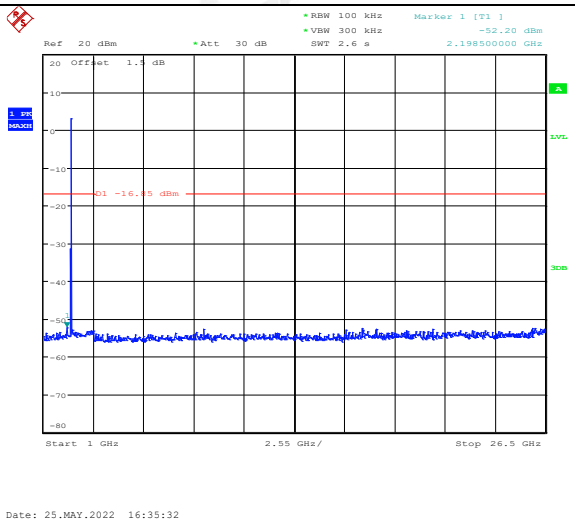
BLE_2M_ANT1_2402_Ref



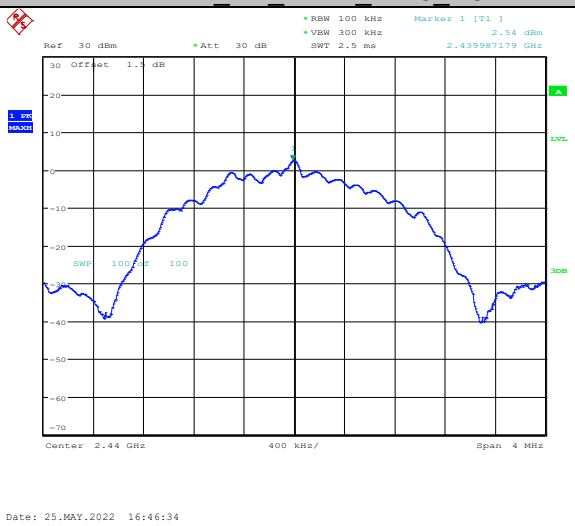
BLE_2M_ANT1_2402_30~1000



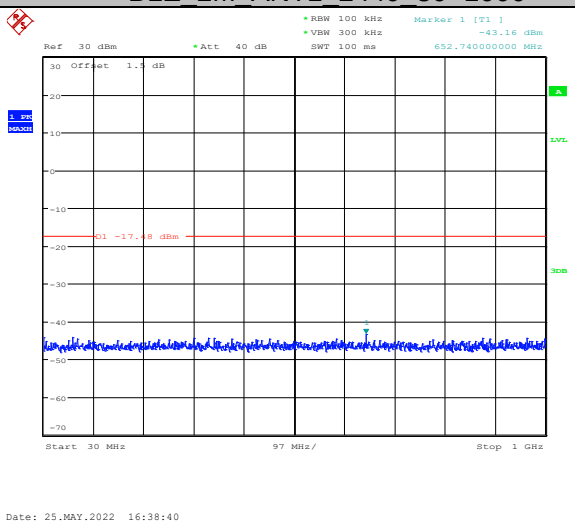
BLE_2M_ANT1_2402_1000~26500



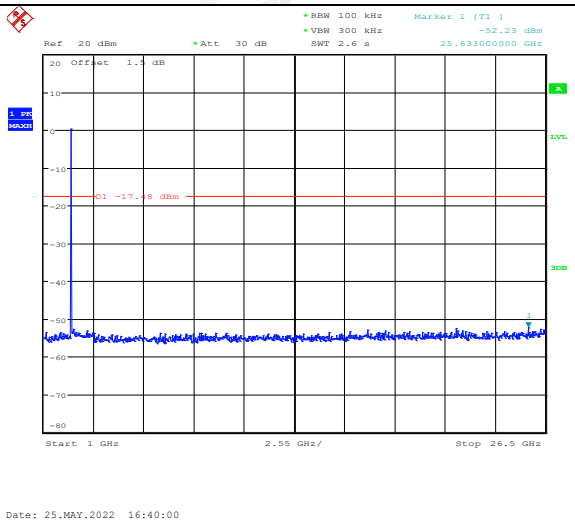
BLE_2M_ANT1_2440_Ref



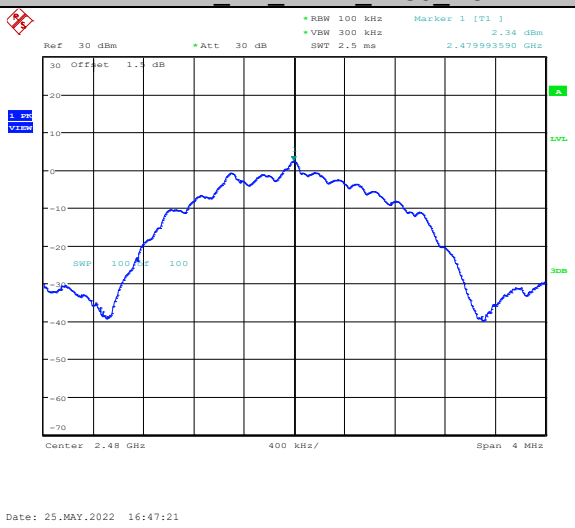
BLE_2M_ANT1_2440_30~1000



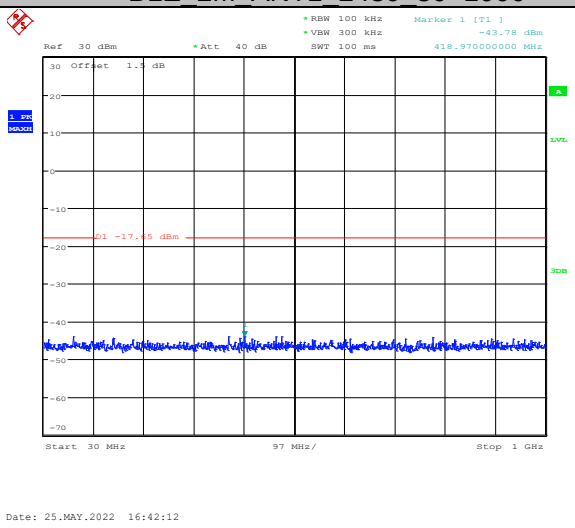
BLE_2M_ANT1_2440_1000~26500



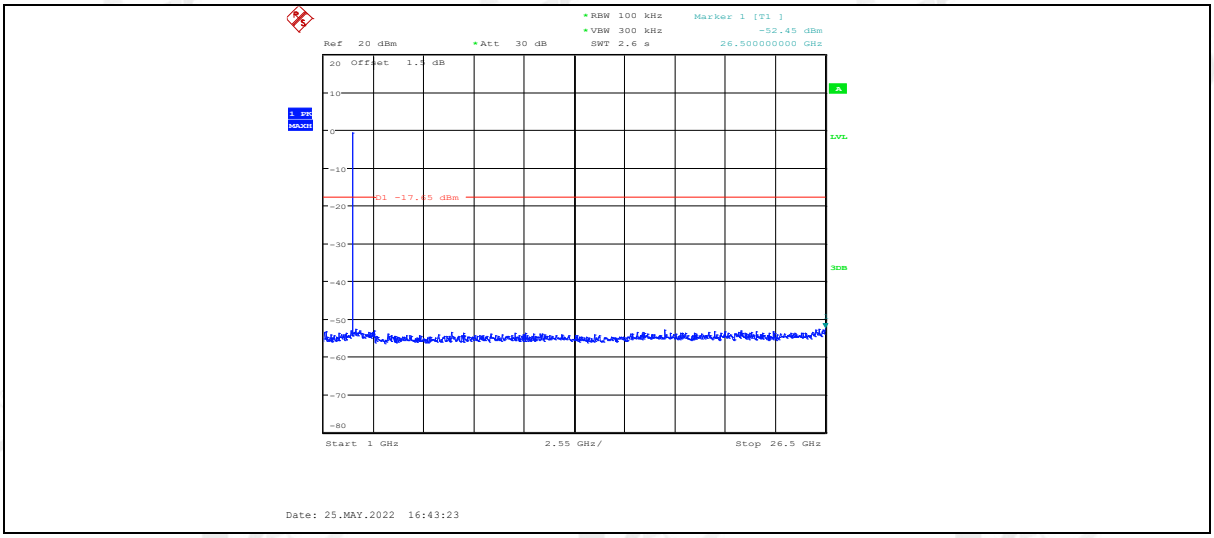
BLE_2M_ANT1_2480_Ref



BLE_2M_ANT1_2480_30~1000

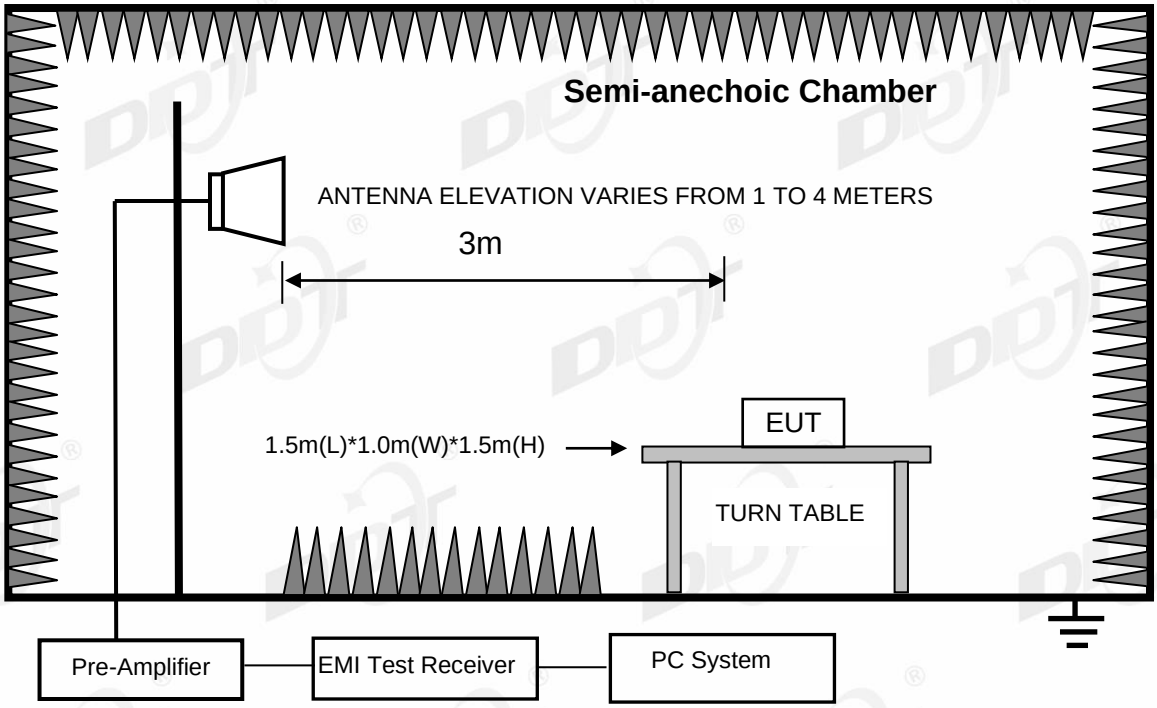


BLE_2M_ANT1_2480_1000~26500


RBW 100 kHz
VBW 300 kHz
SWT 2.6 s
Marker 1 [T1]
-52.45 dBm
26.500000000 GHz
Ref 20 dBm
Att 30 dB
20 Offset 1.5 dB
1 PK
MAXH
A
LVL
3DB
D1 -17.65 dBm
Start 1 GHz
2.55 GHz/
Stop 26.5 GHz
Date: 25.MAY.2022 16:43:23

10. Emissions in Restricted Frequency Bands

10.1. Block diagram of test setup



10.2. Limit

All restriction band should comply with 15.209, other emission should be at least 20 dB below the fundamental.

10.3. Test procedure

Same with clause 8.3 except change investigated frequency range from 2310 MHz to 2410 MHz and 2475 MHz to 2500 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

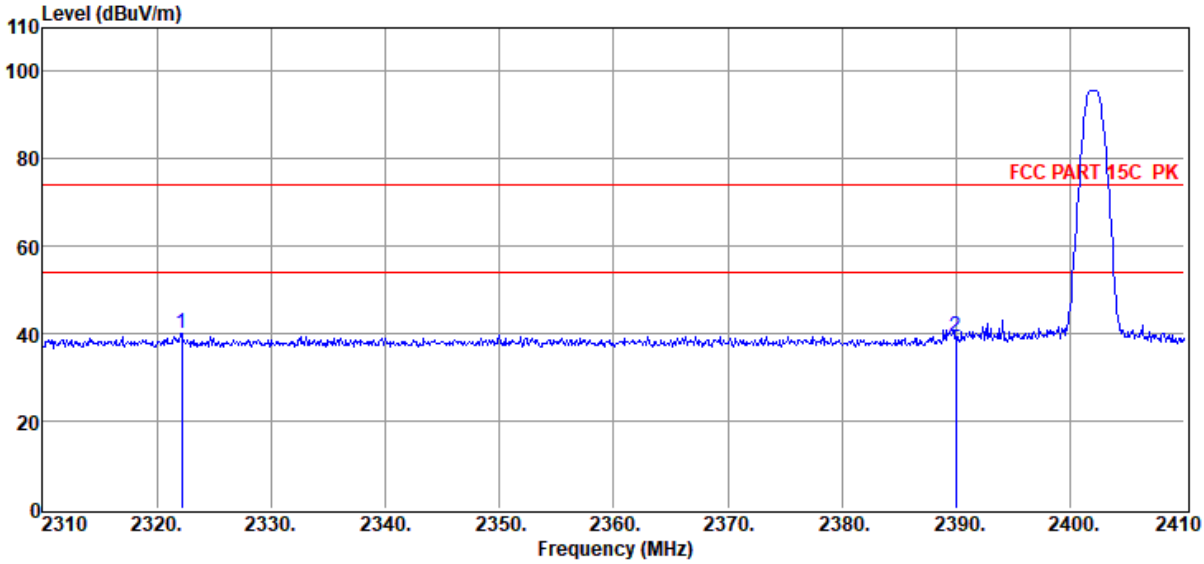
10.4. Test result

Pass. (See below detailed test result)

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2402		

Data: 25



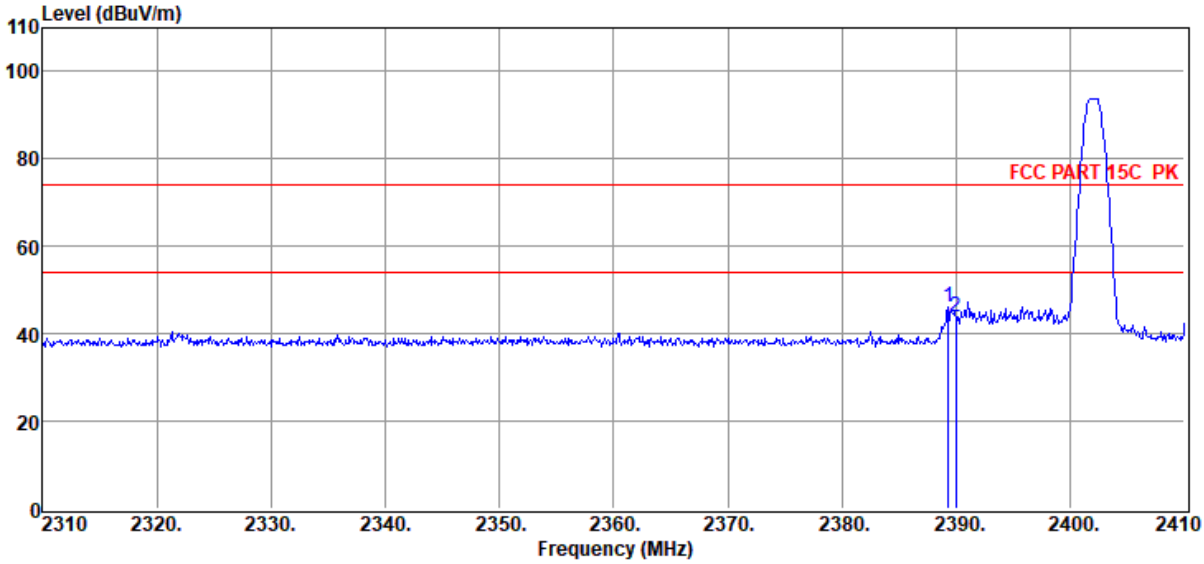
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2322.20	50.02	27.28	39.56	1.69	0.72	40.15	74.00	-33.85	Peak	HORIZONTAL
2	2390.00	49.23	27.40	39.60	1.71	0.72	39.46	74.00	-34.54	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2402		

Data: 26



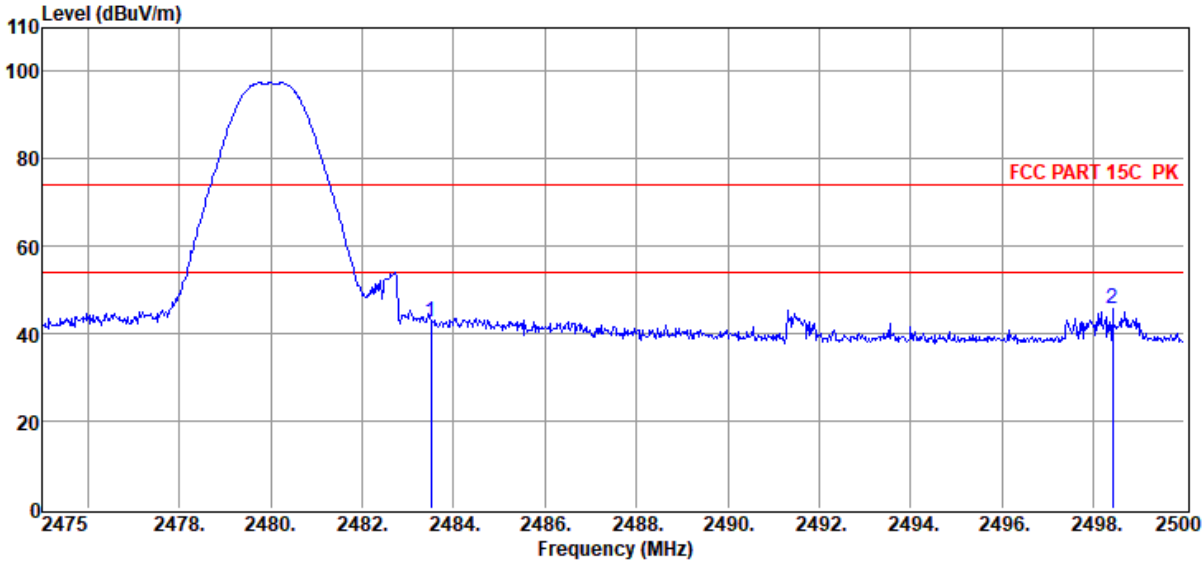
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2389.30	55.97	27.40	39.59	1.71	0.72	46.21	74.00	-27.79	Peak	VERTICAL
2	2390.00	53.72	27.40	39.60	1.71	0.72	43.95	74.00	-30.05	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 1M 2480		

Data: 27



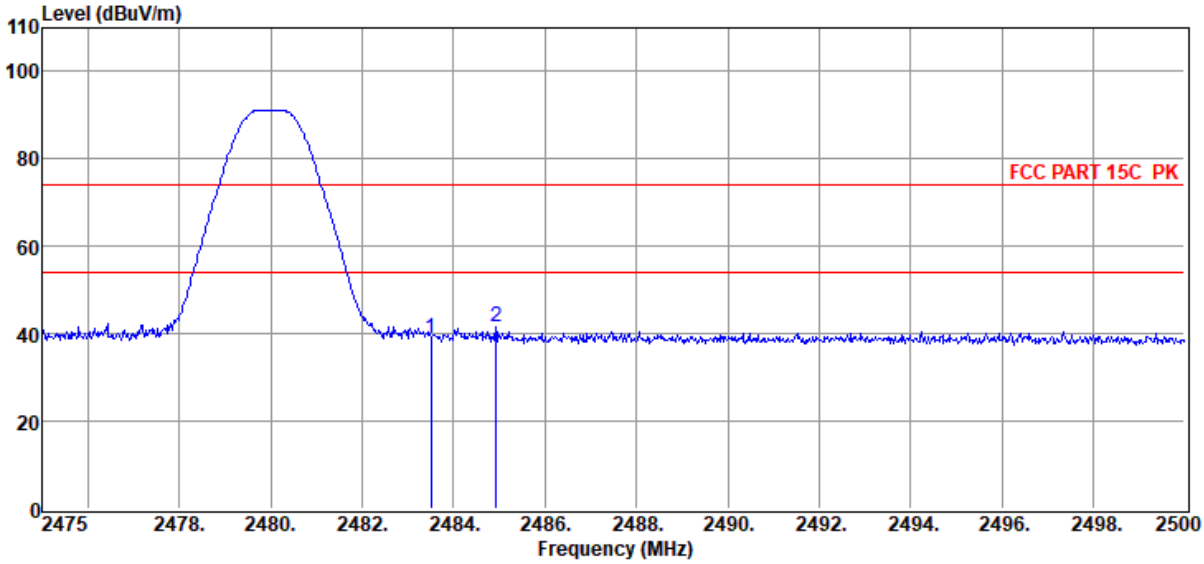
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	52.26	27.57	39.64	1.74	0.73	42.66	74.00	-31.34	Peak	HORIZONTAL
2	2498.43	55.41	27.60	39.65	1.74	0.73	45.83	74.00	-28.17	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 1M 2480		

Data: 28



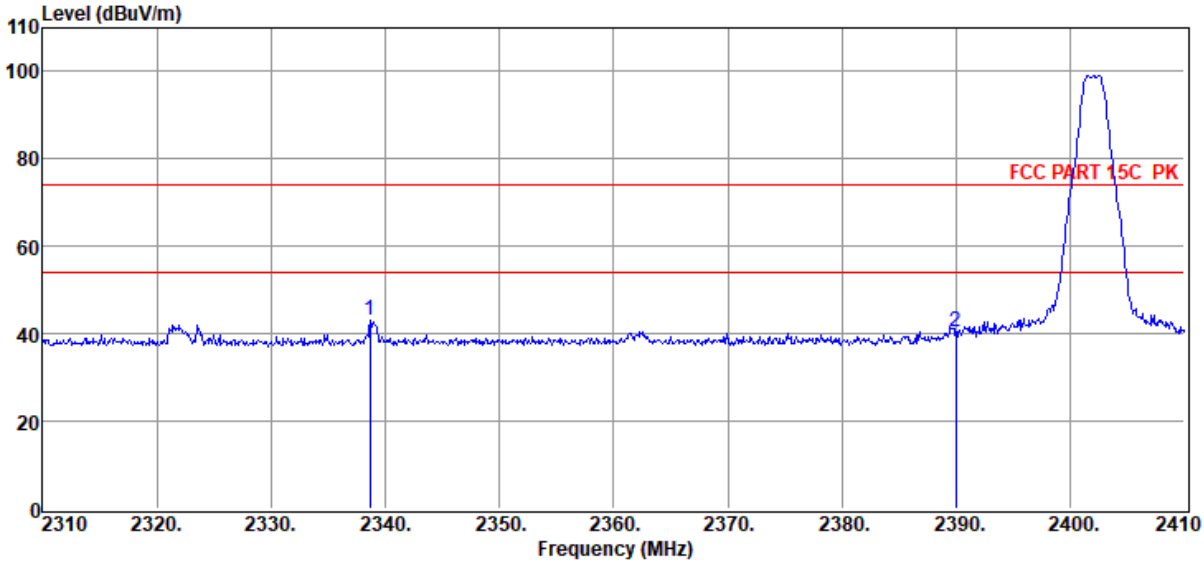
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	48.68	27.57	39.64	1.74	0.73	39.08	74.00	-34.92	Peak	VERTICAL
2	2484.93	51.12	27.57	39.64	1.74	0.73	41.52	74.00	-32.48	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2402		

Data: 29



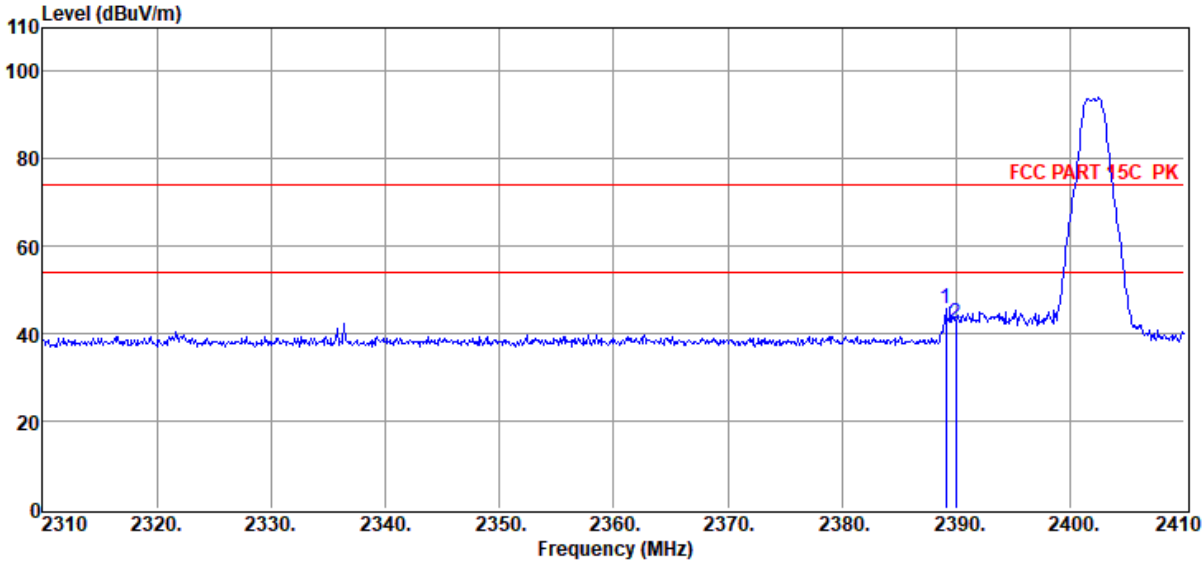
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2338.70	52.84	27.31	39.57	1.69	0.72	42.99	74.00	-31.01	Peak	HORIZONTAL
2	2390.00	50.36	27.40	39.60	1.71	0.72	40.59	74.00	-33.41	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2402		

Data: 30



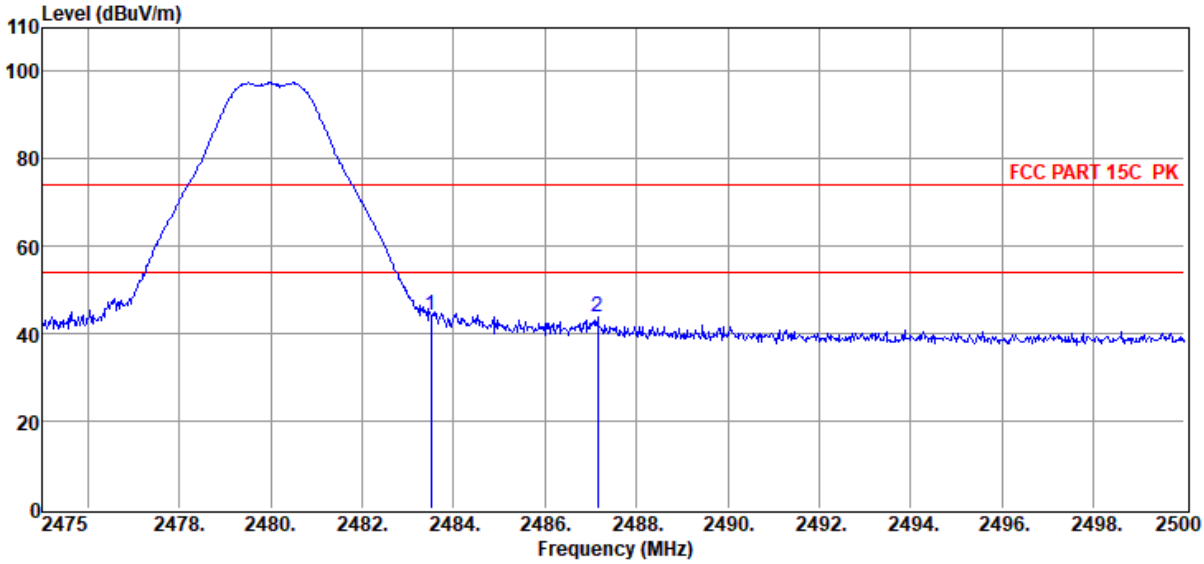
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2389.10	55.60	27.40	39.59	1.71	0.72	45.84	74.00	-28.16	Peak	VERTICAL
2	2390.00	52.26	27.40	39.60	1.71	0.72	42.49	74.00	-31.51	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/HORIZONTAL
Memo	: BLE 2M 2480		

Data: 31



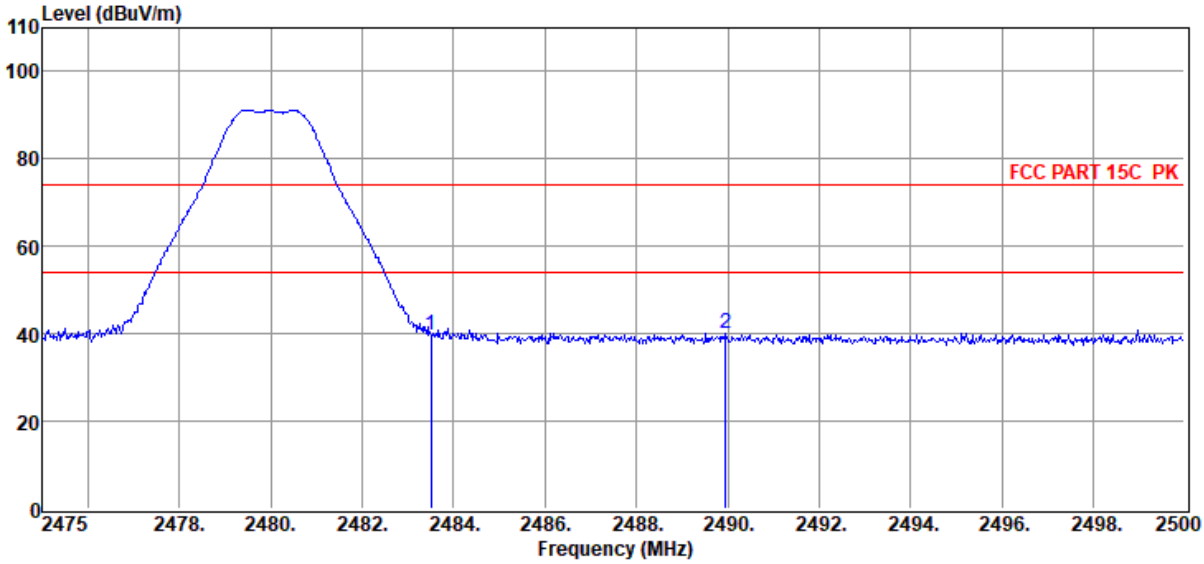
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	53.67	27.57	39.64	1.74	0.73	44.07	74.00	-29.93	Peak	HORIZONTAL
2	2487.15	53.35	27.58	39.64	1.74	0.73	43.76	74.00	-30.24	Peak	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site	: DDT 3m Chamber 3#	D:\E3 6.111\2022 Report Data\Q22050709-2E NQ-BL-01\FCC ABOVE 1G .EM6	
Test Date	: 2022-05-26	**Tested By**	: James Gan
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: Temp:23.9°C,Humi:61.1%,Press:100.1kPa	**Antenna/Distance**	: 2021 BBHA 9120D 3#/3m/VERTICAL
Memo	: BLE 2M 2480		

Data: 32

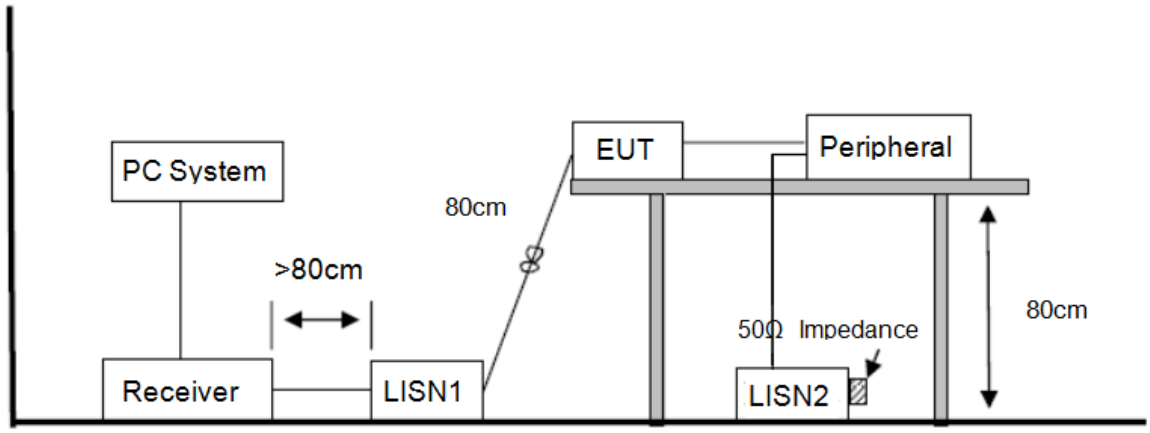


Item (Mark)	Freq. (MHz)	Read Level (dBµV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Filter Factor dB	Result Level (dBµV/m)	Limit Line (dBµV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	49.39	27.57	39.64	1.74	0.73	39.79	74.00	-34.21	Peak	VERTICAL
2	2489.95	49.73	27.58	39.64	1.74	0.73	40.14	74.00	-33.86	Peak	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

11. Power Line Conducted Emission

11.1. Block diagram of test setup



11.2. 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.

11.3. 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.

11.4. Test result

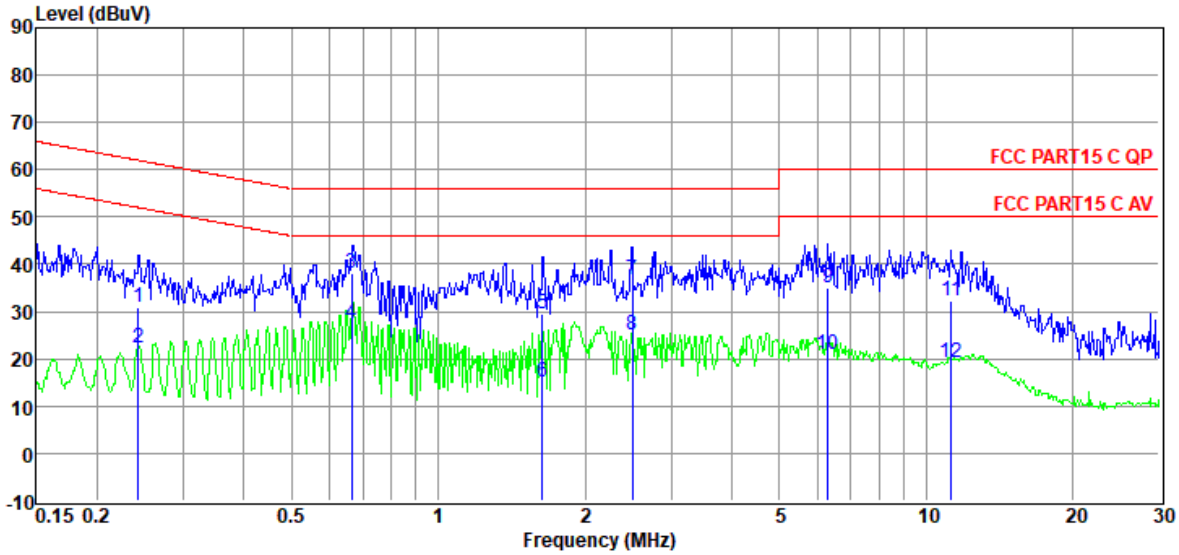
Pass. (See below detailed test result)

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/50Hz, recorded worse case.

TR-4-E-010 Conducted Emission Test Result

Test Site	: DDT 1# Shield Room	D:\2022 CE report date\Q22050709-2E NQ-BL-01\FCC.EM6	
Test Date	: 2022-05-19	**Tested By**	: Kennys Zhang
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: TEMP:24.3°C, RH:53.0%, BP:101.0kPa	**LISN**	: 2021 1# ENV216/LINE
Memo	:		

Data: 2



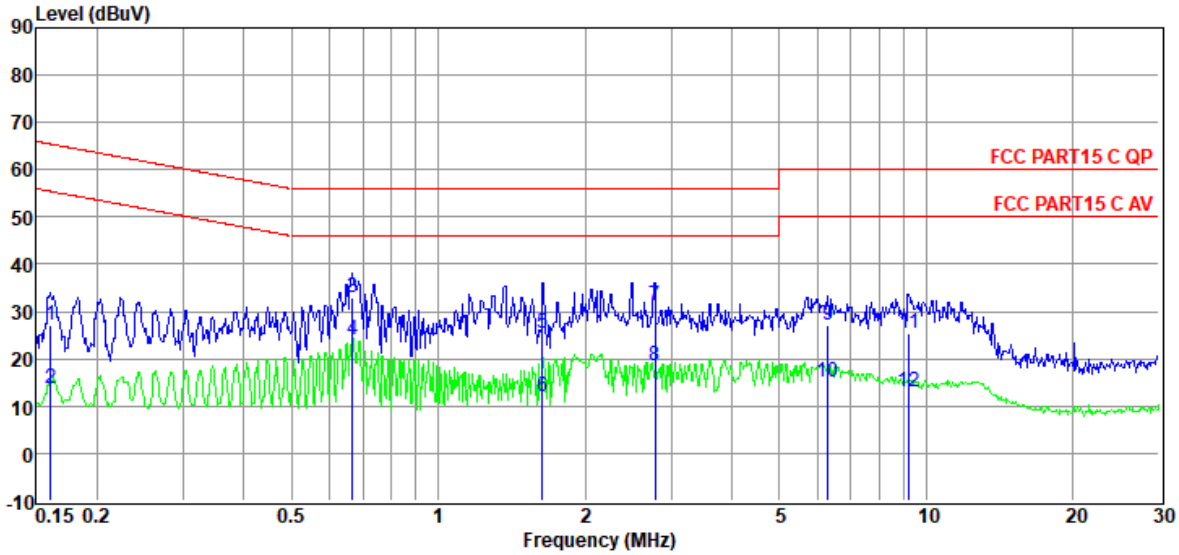
Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.24	11.20	9.76	0.02	9.92	30.90	62.00	-31.10	QP	LINE
2	0.24	2.75	9.76	0.02	9.92	22.45	52.00	-29.55	Average	LINE
3	0.66	18.55	9.52	0.02	9.91	38.00	56.00	-18.00	QP	LINE
4	0.66	7.92	9.52	0.02	9.91	27.37	46.00	-18.63	Average	LINE
5	1.64	10.04	9.53	0.04	9.89	29.50	56.00	-26.50	QP	LINE
6	1.64	-4.52	9.53	0.04	9.89	14.94	46.00	-31.06	Average	LINE
7	2.50	17.09	9.53	0.05	9.90	36.57	56.00	-19.43	QP	LINE
8	2.50	5.59	9.53	0.05	9.90	25.07	46.00	-20.93	Average	LINE
9	6.29	15.45	9.52	0.08	9.94	34.99	60.00	-25.01	QP	LINE
10	6.29	1.35	9.52	0.08	9.94	20.89	50.00	-29.11	Average	LINE
11	11.26	12.73	9.59	0.12	9.94	32.38	60.00	-27.62	QP	LINE
12	11.26	-0.28	9.59	0.12	9.94	19.37	50.00	-30.63	Average	LINE

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter 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 1# Shield Room	D:\2022 CE report date\Q22050709-2E NQ-BL-01\FCC.EM6	
Test Date	: 2022-05-19	**Tested By**	: Kennys Zhang
EUT	: White Noise Night Light	**Model Number**	: NQ-BL-01
Power Supply	: AC 120V/60Hz	**Test Mode**	: Tx Mode
Condition	: TEMP:24.3°C, RH:53.0%, BP:101.0kPa	**LISN**	: 2021 1# ENV216/NEUTRAL
Memo	:		

Data: 4



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.16	7.30	9.80	0.01	9.92	27.03	65.43	-38.40	QP	NEUTRAL
2	0.16	-6.15	9.80	0.01	9.92	13.58	55.43	-41.85	Average	NEUTRAL
3	0.67	13.40	9.76	0.02	9.91	33.09	56.00	-22.91	QP	NEUTRAL
4	0.67	4.35	9.76	0.02	9.91	24.04	46.00	-21.96	Average	NEUTRAL
5	1.64	5.87	9.63	0.04	9.89	25.43	56.00	-30.57	QP	NEUTRAL
6	1.64	-7.48	9.63	0.04	9.89	12.08	46.00	-33.92	Average	NEUTRAL
7	2.78	11.74	9.69	0.05	9.90	31.38	56.00	-24.62	QP	NEUTRAL
8	2.78	-1.09	9.69	0.05	9.90	18.55	46.00	-27.45	Average	NEUTRAL
9	6.29	7.60	9.64	0.08	9.94	27.26	60.00	-32.74	QP	NEUTRAL
10	6.29	-4.49	9.64	0.08	9.94	15.17	50.00	-34.83	Average	NEUTRAL
11	9.20	5.75	9.75	0.10	9.94	25.54	60.00	-34.46	QP	NEUTRAL
12	9.20	-6.60	9.75	0.10	9.94	13.19	50.00	-36.81	Average	NEUTRAL

Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter 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.

12. Antenna Requirements

12.1. Limit

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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

12.2. Result

The antenna used for this product and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 5.5 dBi.