



RF Test Report



Report Number : 6128625041301
Applicant : Cyber Power Systems, Inc.
Product : Wireless USB Dongle
Model : SNWDG001, EMWD-U01
FCC ID : 2AFG8SNWDG001
IC : 11470A-SNWDG001

In accordance with
FCC rule Part §15.247
ISED RSS-247
ISED RSS-Gen

RESPONSIBLE FOR	NAME	SIGNATURE	DATE
Approved By	Jack Chang		2026.02.02
Prepared By	Ariel Hsu		2026.02.02

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD Product Service control rules.

EXECUTIVE SUMMARY

TÜV SÜD Asia Ltd., reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities for any modifications made to the production units which result in non-compliance to the relevant regulations. TÜV SÜD Asia Ltd. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD Asia Ltd. issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval.

Contents

1	General Information	3
1.1	Report Modification Record.....	3
1.2	Introduction.....	3
1.3	Applied Standard.....	4
1.4	Deviation from standards	4
1.5	List of applied test(s) of the EUT	4
2	General EUT Information	5
2.1	Technical Specification of EUT	5
2.2	Variation of family model(s).....	6
2.3	Antenna List	6
3	Configuration of Equipment.....	7
3.1	Equipment used	7
3.2	Cable(s) used	7
3.3	System configuration	8
4	General Test Configurations	10
4.1	Operating channels and frequencies	10
4.2	Description of test mode	11
4.3	Test Condition	12
5	Test Result	13
5.1	Transmitter Requirement & Test Suites	13
5.2	Peak Output Power	14
5.3	6 dB Bandwidth and 99% Occupied Bandwidth.....	16
5.4	Power Spectral Density	17
5.5	Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth	18
5.6	Radiated Spurious Emissions and Band Edges	20
5.7	AC Mains Conducted Emission.....	23
6	Measurement Uncertainty	24
7	Photographs of the Test Set-Up	25
Appendix A. Test Equipment		29
Appendix B. Duty Cycle.....		31
Appendix C. Peak Output Power		32
Appendix D. 6dB Bandwidth & 99% Bandwidth		33
Appendix E. Power Density		35
Appendix F. Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth		36
Appendix G. Radiated Spurious Emissions and Band Edges		41
Appendix H. AC Mains Conducted Emissions.....		57

1 General Information

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

History of this test report

Issue	Description of Change	Date of Issue
1	Initial Issue	2026-02-02

1.2 Introduction

The information contained in this report is intended to show verification of RF qualification approval. The testing requirements of the standards for the tests listed in Section 1.5.

Applicant : Cyber Power Systems, Inc.
Address : 11F, No. 26, Jinzhuang Road, Neihu District, Taipei City
Manufacturer : CyberPower (ShenZhen) System Inc
Product Name : Wireless USB Dongle
Model Number(s) : SNWDG001, EMWD-U01
HVIN : SNWDG001, EMWD-U01
Date of Receipt of EUT : 2025-07-10
Start of Test : 2025-07-15
Finish of Test : 2025-07-24
Test Laboratory : TÜV SÜD Asia Ltd., Taiwan Branch
Address : 7F., No. 37, Sec. 2, Zhongyang S. Rd., Beitou District, Taipei City 11270, R.O.C. Taiwan
Test Location : TÜV SÜD Asia Ltd., Taiwan Branch, Guishan Laboratory
Address : No. 31, Dinghu Road, Guishan District, Taoyuan City, TAIWAN (R.O.C.)

The test facility is accredited by TAF (member of ILAC), under number 2573 according to ISO/IEC 17025: 2017.

FCC Designation Number No.: TW2573

ISED CAB identifier No./ Company Number: TW2573 / 32030

1.3 Applied Standard

FCC rule Part §15.247 ISED RSS-247
FCC Part 15, Subpart C §15.247 FCC KDB 558074 D01 15.247 Meas Guidance v05r02 RSS-247 issue 4 July 2025 RSS-Gen, Issue 5 April 2018 (Amendment 2 February 2021) ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024

1.4 Deviation from standards

None

1.5 List of applied test(s) of the EUT

FCC rule Part §15.247 ISED RSS-247				
FCC Clause	ISED Clause	Test item	Result	Remark
§15.203	N/A	Antenna Requirement	Compliant	
§15.207(a)	RSS-Gen §8.8	AC Power Line Conducted Emission	Compliant	
§15.247(b) (3)	RSS-247 §6.3.2	Peak Output Power	Compliant	
§15.247(a)(2)	RSS-247 §6.3.1(a) RSS-Gen §6.7	Emission Bandwidth	Compliant	
§15.247(d) §15.205 §15.209	RSS-247 §6.6 RSS-Gen §8.9 RSS-Gen §8.10	Radiated & Conducted Band Edge and Spurious Emission	Compliant	
§15.247(e)	RSS-247 §6.3.1(b)	Peak Power Density	Compliant	

2 General EUT Information

All information in this chapter was provided by the applicant.

2.1 Technical Specification of EUT

Items	EUT information
Operating Frequency	2405 ~ 2475 MHz
Channel number	15
Maximum Output Power (dBm)	ZigBee: 4.38dBm
Operation Voltage	5Vdc
Modulation	O-QPSK
Test Software Version	STM32CubeMonitor-RF: Version 2.12.0

2.2 Variation of family model(s)

2.2.1 List of family model(s)

All models are electrically identical, different model names are for marketing purpose.

2.2.2 Reason for selection of EUT

Not applicable

2.3 Antenna List

Antenna Type	Brand	Model	Connector	Freq. (MHz)	Peak Antenna Gain (dBi)
Chip Antenna	WALSIN	MULTILAYER CERAMIC ANTENNA	Permanently attached antenna	2400 - 2500	2.13

Note:

1: The applicant provides antenna information.

3 Configuration of Equipment

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

An engineering test mode (software/firmware) that applicant provided was utilized to manipulate the EUT into transmit, selection of the test channel, and modulation scheme.

Numbers assigned to equipment on the diagram in "3.3 System configuration" correspond to the list in "3.1 Equipment used" and "3.2 Cable(s) used".

This test configuration is based on the manufacture's instruction.

Cabling and setup(s) were taken into consideration and test data was taken under worse case condition.

The EUT has been tested as an independent unit with other necessary accessories or support units.

3.1 Equipment used

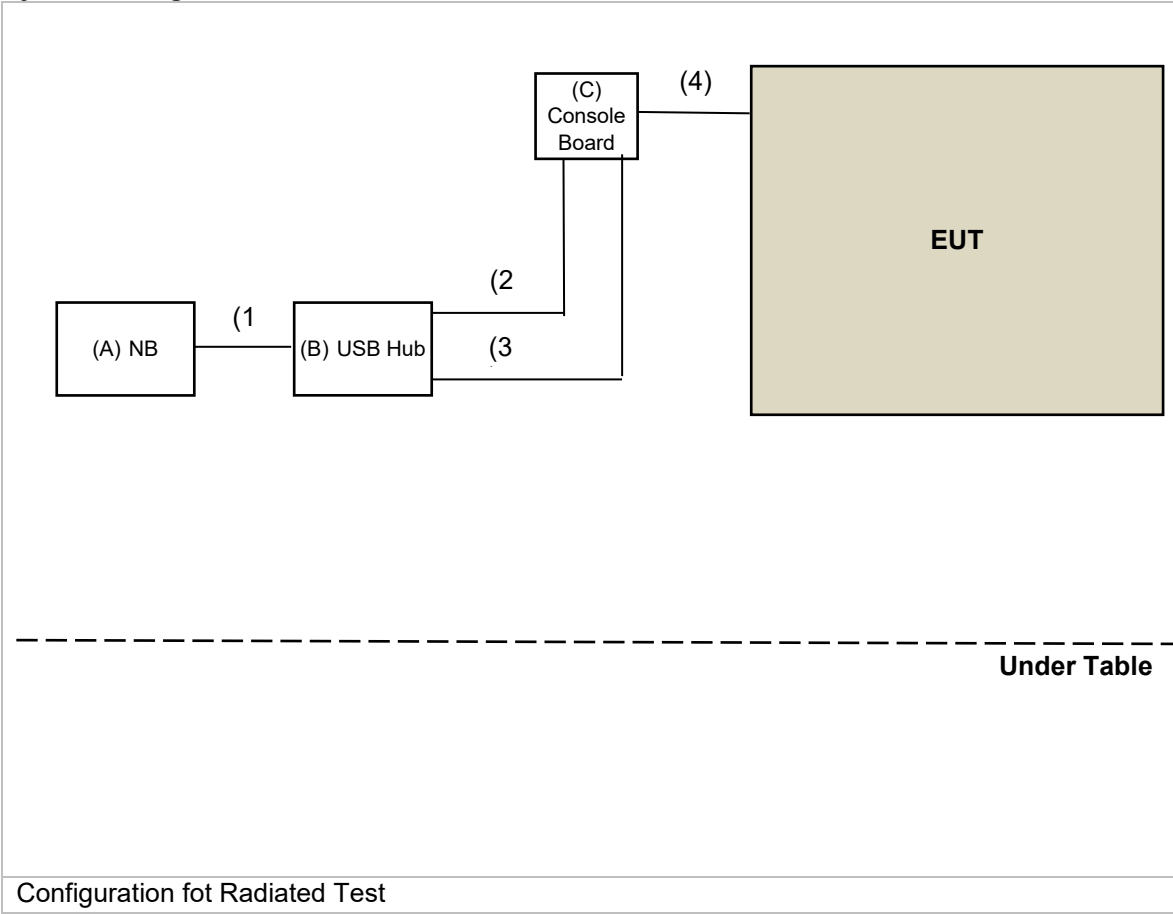
No.	Product	Brand	Model No.	Serial No.	Remark
A	Laptop	Lenovo	TP00048A	PC-00NQMT	Provided by Lab
B	USB Hub	INSIGNIA	NS-PCH5721	ZDQEO2000003	Provided by Client
C	Console Board	BeMatik	AJ044-VCES	N/A	Provided by Client
D	Adapter	Lenovo	ADLX65YAC3E	8SGX21J75549A1WH	Provided by Lab

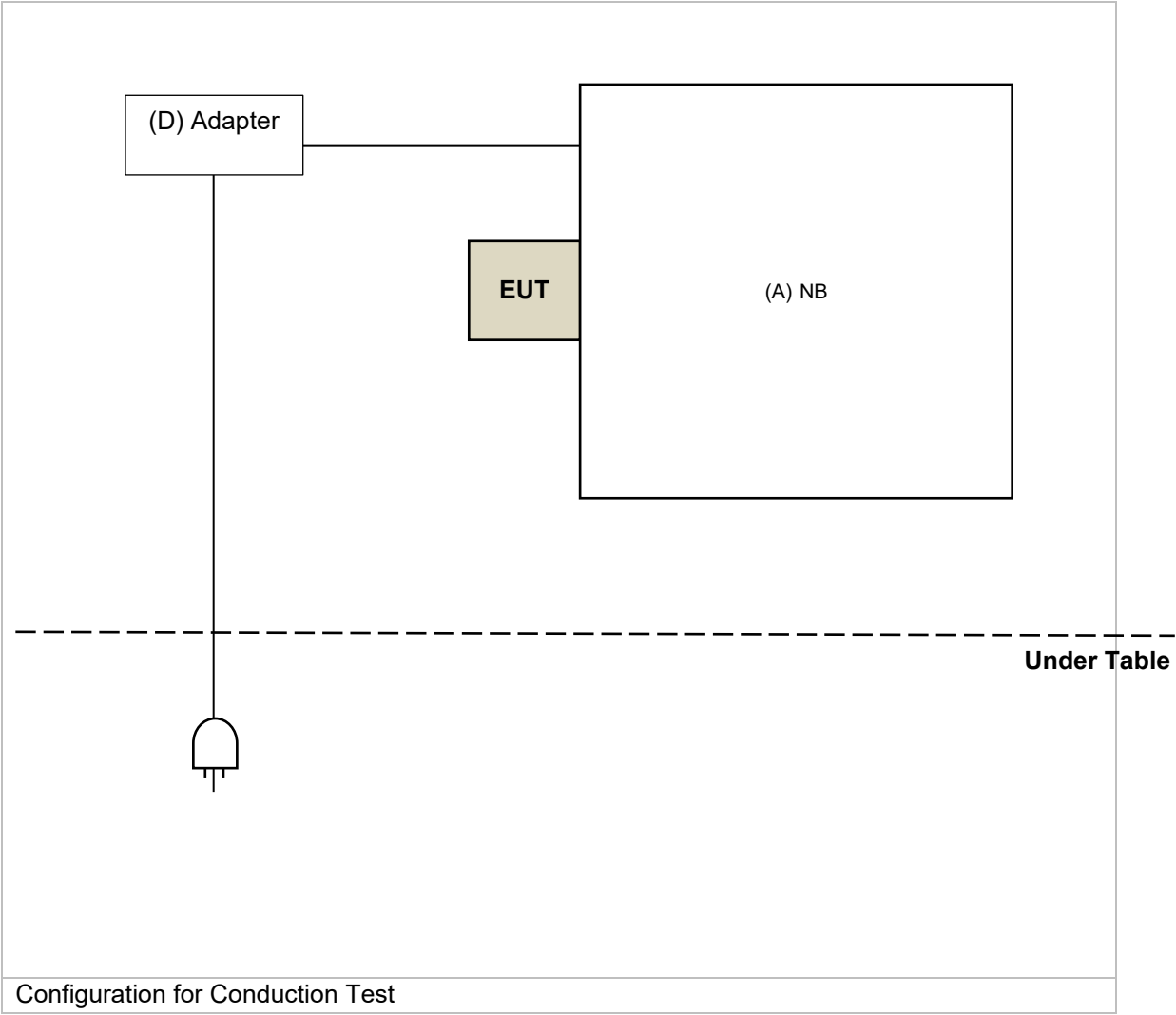
3.2 Cable(s) used

No.	Cable Descriptions	Brand	Model	Length(m)	Remarks
1	USB Cable	CyberPower	AACY1-787-00915	1	Provided by Client
2	USB Cable	RS PRO	236-9079	0.5	Provided by Client
3	RS232 To USB	DYNEX	DX-UBDB9	0.4	Provided by Client
4	USB Console	CyberPower	TXRX-WIRESET	0.11	Provided by Client



3.3 System configuration





4 General Test Configurations

The EUT has been tested under Transmitting and Receiving condition. And used to control the EUT for staying in engineering mode that enables selectable of channel, and capable of continuous transmitting and constant receiving mode.

Remark: All applicable test items were tested based on the combination of modulation scheme that generates the worst case.

4.1 Operating channels and frequencies

ZigBee

Channel	Freq. (MHz)	Channel	Freq. (MHz)
11	2405	21	2455
12	2410	22	2460
13	2415	23	2465
14	2420	24	2470
15	2425	25	2475
16	2430		
17	2435		
18	2440		
19	2445		
20	2450		

4.2 Description of test mode

- 1) The EUT has been tested under operating condition.
- 2) Test program used to control the EUT for staying in continuous transmitting and receiving mode is programmed.
- 3) The field strength of radiation emission was measured as the EUT positioned in different orthogonal planes (X/Y/Z) based on actual usage of the EUT to pre-scan the emissions for determining the worst case scenario.
- 4) Investigation has been done on all the possible configurations for searching the worst case.

RF Output Power

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (kbps)
-	2405 to 2475	2405, 2440, 2475	250

6dB & Occupied Channel Bandwidth

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (kbps)
-	2405 to 2475	2405, 2440, 2475	250

Power Spectral Density

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (kbps)
-	2405 to 2475	2405, 2440, 2475	250

Radiated Spurious Emissions (Above 1 GHz)

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (kbps)
Tx			
-	2405 to 2475	2405, 2440, 2475	250

Radiated Spurious Emissions (Below 1 GHz)

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (kbps)
Tx			
-	2405 to 2475	2440	250

AC Mains Conducted Emission

- ☐ Pre-scan full test was applied on all test modes, but only the worst case was shown.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Available Frequency (MHz)	Tested Frequency (MHz)	Date Rate (kbps)
TX	2405 to 2475	-	250

4.3 Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Conducted Measurement	22-26 °C	50-68 %	Sam Huang
Radiated Spurious Emissions above 1 GHz	20-24 °C	50-68 %	Sam Huang
Radiated Spurious Emissions below 1 GHz	20-24 °C	50-68 %	Sam Huang
Mains Conducted Emission	18-22 °C	50-68 %	Sam Huang

5 Test Result

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

Refer to EUT photo for details.

5.2 Peak Output Power

For systems using digital modulation in the 2400-2483.5 MHz bands, the limit for peak output power is 1Watt and the e.i.r.p. shall not exceed 4 W (ISED only).

If the transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the Antenna exceeds 6dBi. (FCC only)

In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of Antenna exceeds 6dBi. (FCC only)

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

5.2.1 Measurement procedure

Duty Cycle

- 1) Place the EUT on the table and set it in transmitting mode.
- 2) Set span = Zero
- 3) RBW = 8MHz, VBW = 8MHz,
- 4) Detector = Peak

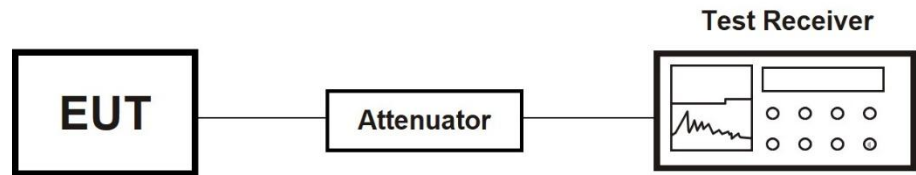
Output Power

- 1) Place the EUT on the table and set it in transmitting mode.
- 2) The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3) Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter.
- 4) Record the max. Reading as observed from Power Meter.
- 5) Repeat above procedures until all test default channel measured was complete.

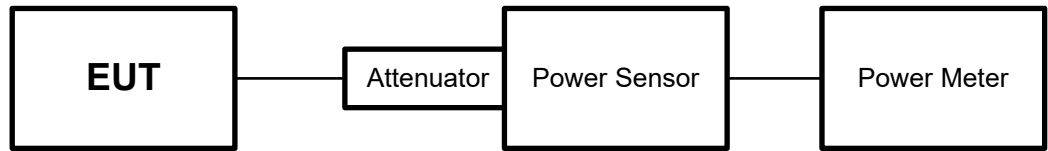


5.2.2 Test Setup

Duty Cycle



Output Power



5.2.3 Limit

1 watt (30 dBm)

5.2.4 Measurement result

Refer to Appendix C

5.3 6 dB Bandwidth and 99% Occupied Bandwidth

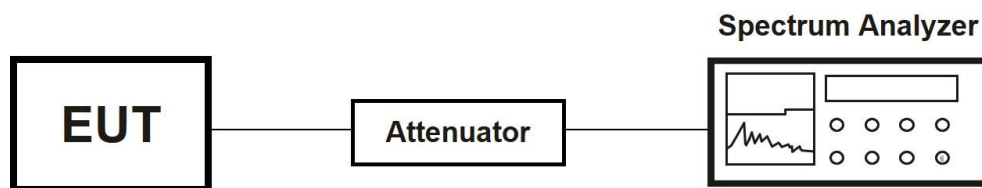
5.3.1 Measurement procedure

1. Set resolution bandwidth (RBW) = 100 kHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW, Detector = Peak.
3. Trace mode = max hold.
4. Sweep = auto couple.
5. Measure the maximum width of the emission that is constrained by the frequencies associated with the two amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.
6. For 99% occupied bandwidth measurement, the transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with resolution bandwidth in the range of 1% to 5% of the anticipated emission bandwidth, and a video bandwidth at least 3x the resolution bandwidth and set the detector to PEAK. The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean power of a given emission.

(ISED only)

1. The testing follows the Measurement Procedure of the RSS-Gen section 6.7.
2. Set the spectrum analyzer as
RBW= 1 % to 5% of 99%,
VBW $\geq 3 \times$ RBW,
Span= large enough to capture all products of the modulation process
Sweep=auto, Detector = Peak, and Max hold.
3. Mark the upper and lower frequencies of 99%.
4. Repeat above procedures until all test default channel is completed.

5.3.2 Test Setup



5.3.3 Limit

The minimum 6 dB bandwidth shall be at least 500 kHz

5.3.4 Measurement result

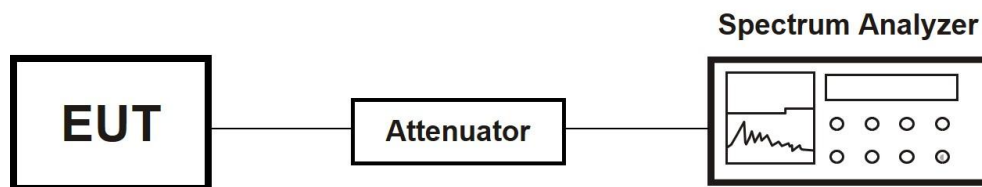
Refer to Appendix D

5.4 Power Spectral Density

5.4.1 Measurement procedure

- 1) Set analyzer center frequency to DTS channel center frequency.
- 2) The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3) Set the span to 1.5 times the DTS channel bandwidth.
- 4) Set the RBW = 3 kHz. & the VBW = 10 kHz
- 5) Detector = peak.
- 6) Sweep time = auto couple.
- 7) Trace mode = max hold.
- 8) Allow trace to fully stabilize.
- 9) Use the peak marker function to determine the maximum amplitude level.

5.4.2 Test Setup



5.4.3 Limit

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

5.4.4 Measurement result

Refer to Appendix E

5.5 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth

5.5.1 Measurement procedure

Measurement procedure Reference Level of Emission Limit:

- 1) Set analyzer center frequency to DTS channel center frequency.
- 2) The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3) Set the span to 1.5 times the DTS channel bandwidth.
- 4) Set the RBW = 100kHz & VBW = 300 kHz.
- 5) Detector = peak.
- 6) Sweep time = auto couple.
- 7) Trace mode = max hold.
- 8) Allow trace to fully stabilize.
- 9) Use the peak marker function to determine the maximum amplitude level.

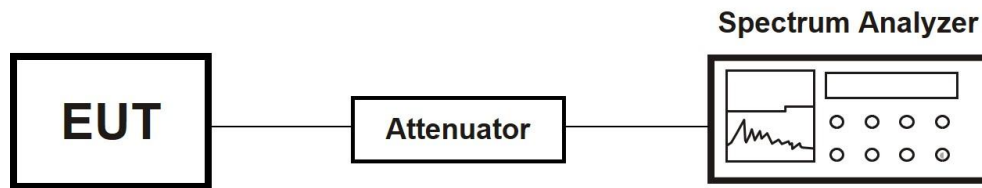
Measurement procedure for Conducted Band Edge

- 1) To connect Antenna Port of EUT to Spectrum.
- 2) The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3) Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 4) Set start to edge frequency, and stop frequency of spectrum analyzer so as to encompass the spectrum to be examined.
- 5) Set the spectrum analyzer as RBW=100 kHz, VBW=300 kHz, Detector = Peak, Sweep = auto
- 6) Set DL as the limit = reading on marker of reference level measurement – 20dBm
- 7) Mark the highest readings of the emissions outside of 2400MHz~2483.5MHz.
- 8) Repeat above procedures until all default test channel (low and high) was complete.

Measurement procedure for Conducted Spurious Emission

- 1) To connect Antenna Port of EUT to Spectrum.
- 2) The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance.
- 3) Set RBW = 100 kHz & VBW=300 kHz, Detector =Peak, Sweep = Auto
- 4) Allow trace to fully stabilize.
- 5) Use the peak marker function to determine the maximum power level in any 100 kHz band segment within the fundamental EBW.
- 6) Repeat above procedures until all default test channel measured were complete.

5.5.2 Test Setup



5.5.3 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is 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, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a) & RSS-Gen §8.10, must also comply with the radiated emission limits specified in §15.209(a) & RSS-Gen §8.9.

5.5.4 Measurement result

Refer to Appendix F

5.6 Radiated Spurious Emissions and Band Edges

5.6.1 Measurement procedure

For Radiated Emissions below 30 MHz

- 1) The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3) Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- 4) For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5) The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9 kHz at frequency below 30 MHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

For Radiated Emissions above 30 MHz

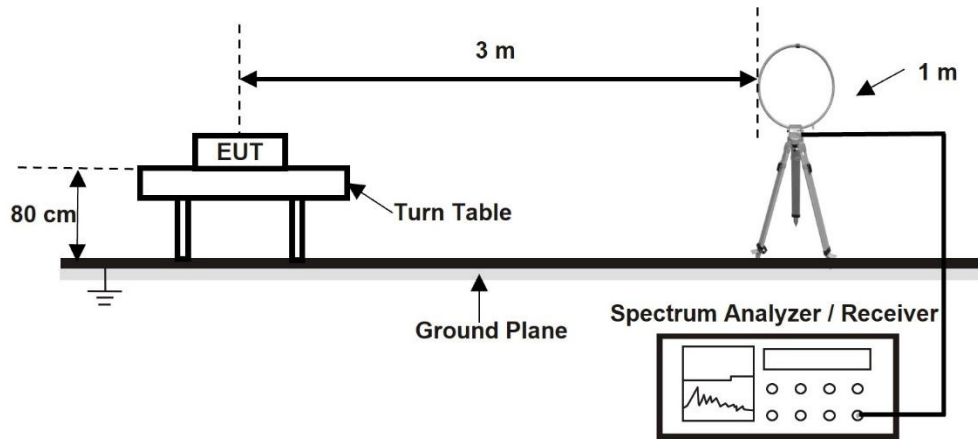
- 1) The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) / 1.5 meters (for above 1 GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3) The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5) The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- 6) The test-receiver system was set to peak and average detected function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

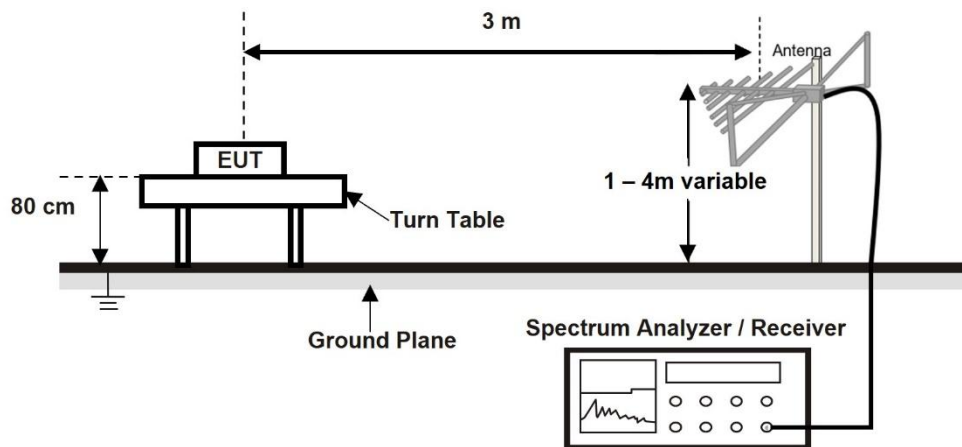
- 1) The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 kHz for Quasi-peak detection (QP) or Peak detection (PK) at frequency below 1 GHz.
- 2) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1 GHz.
- 3) The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10 Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1 GHz.
- 4) All modes of operation were investigated and the worst-case emissions are reported.
- 5) The Radiated Emissions testing was performed in the X, Y and Z axis orientation. The worst-case Axis orientation is recorded in this test report.

5.6.2 Test Setup

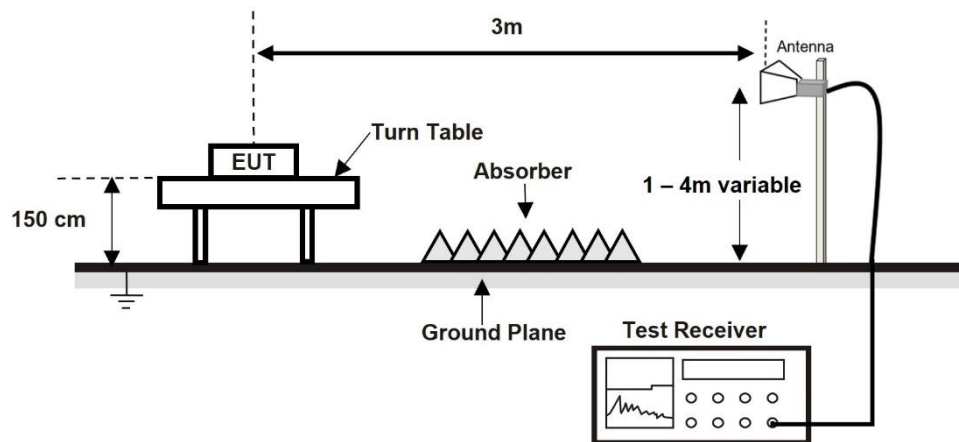
Radiated Emission Test Set-Up, Frequency Below 30MHz.



Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



For the actual test configuration, please refer to the attached file (Test Setup Photo).

5.6.3 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is 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, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. In addition, radiated emissions which fall in the restricted bands must also comply with the §15.209 and RSS-Gen §8.9 Table 5 and 6 limit as below.

And according to §15.33(a) (1) & RSS-Gen §6.13.2.a for an intentional radiator operates below 10GHz, the frequency range of measurements: to the tenth harmonic of the highest fundamental frequency or to 40GHz, whichever is lower.

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

5.6.4 Measurement result

Please refer to Appendix G

Remark:

Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)

Level (dBuV/m) = Reading (dBuV) + Factor (dB/m)

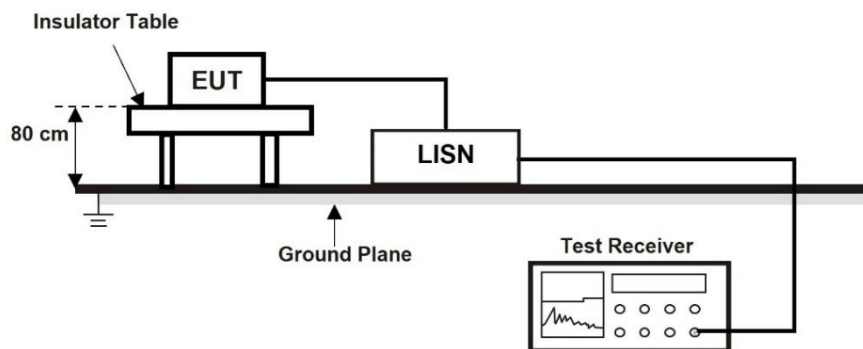
5.7 AC Mains Conducted Emission

5.7.1 Measurement procedure

1. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/50 μ H of coupling impedance for the measuring instrument.
2. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
3. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

Note: The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

5.7.2 Test Setup



5.7.3 Limit

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

Notes:

1. The lower limit shall apply at the transition frequencies
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

5.7.4 Measurement result

Please refer to Appendix H

6 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

The conformity assessment statement in this report is based solely on the test results, measurement uncertainty is excluded.

Radiated Spurious Emission Measurement Uncertainty		
Frequency	Polarization	Measurement uncertainty
9kHz~30MHz	Vertical	± 2.61 dB
30MHz - 1000MHz		± 1.8 dB
1GHz - 18GHz		± 2.11 dB
18GHz - 40GHz		± 2.41 dB
9kHz~30MHz	Horizontal	± 2.61 dB
30MHz - 1000MHz		± 1.82 dB
1GHz - 18GHz		± 2.11 dB
18GHz - 40GHz		± 2.41 dB

Test Items	Measurement uncertainty
AC Power Line Conducted Emission	± 2.69 dB
Output Power measurement	± 1.31 dB
Emission Bandwidth	± 0.7 Hz
Undesignable radiated emission measurement	± 1.22 dB
Peak Power Density	± 1.31 dB
Temperature	$\pm 0.51^{\circ}\text{C}$
Humidity	± 4.7 %
DC / AC Power Source	± 1.5 %

7 Photographs of the Test Set-Up

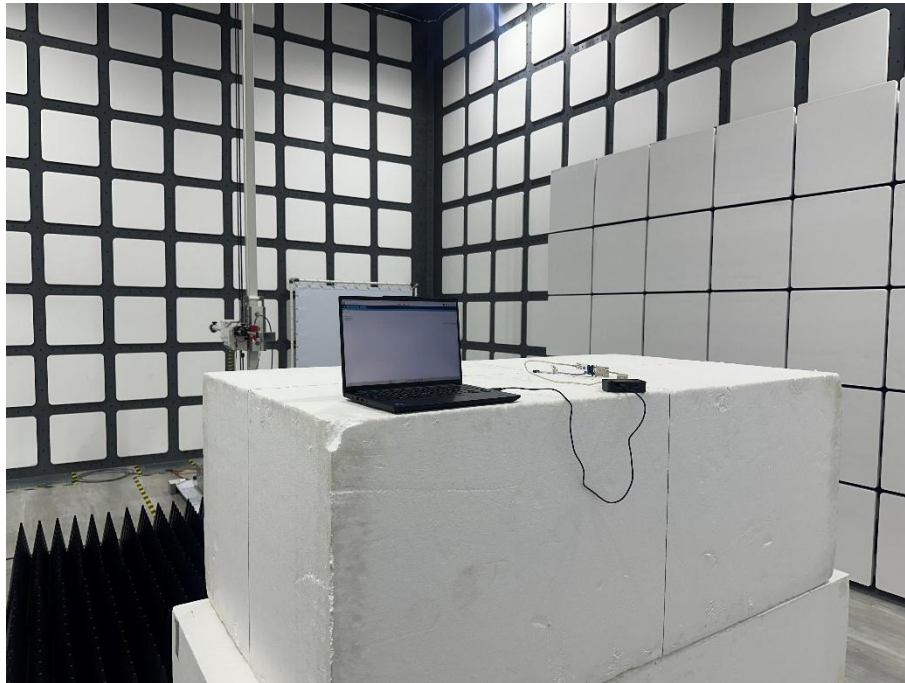
**Set-up for Spurious Emissions
Front View**



**Set-up for Spurious Emissions
Rear View**



**Set-up for Spurious Emissions
Rear View**



**Set-up for Spurious Emissions
Front View**



**Set-up for Spurious Emissions
Rear View**



**Set-up for Spurious Emissions
Rear View**



**Set-up for Conduction Emission
Front View**



**Set-up for Conduction Emission
Rear View**



Appendix A. Test Equipment

Test Software	Manufacturer	Model No.	Version	Remark
Test Software	Keysight	IOT0047A	224.11.25.17	Conducted
Test Software	Audix	e3	V9	Radiation/Conduction

Test Equipment Used (spurious emission)

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSV3044	101348	Jul. 29, 2025	Jul. 28, 2026
Spectrum Analyzer	R&S	ESR 7	102600	Aug. 05, 2025	Aug. 04, 2026
Horn(18-40G)	RF SPIN	DRH0844	LE2C01A0844	Nov. 11, 2024	Nov. 10, 2025
Horn(1-18G)	RF SPIN	DRH18-E	211218A18EN	Oct. 25, 2024	Oct. 24, 2025
Bi-log	Schwarzbeck&EMEC	VULB9168&EM-ATT3000-6-NN	01497&2205	Nov. 29, 2024	Nov. 28, 2025
Preamplifier(1-18G)	SGH	SGH118-HS	20230214-5	Apr. 10, 2025	Apr. 09, 2026
Preamplifier(18-40G)	SGH	SGH184	20230214-8	Apr. 10, 2025	Apr. 09, 2026
Preamplifier(30M-1G)	SGH	SGH0301	20230214-4	Apr. 24, 2025	Apr. 24, 2026
Loop Antenna	TESEQ	HLA-6121	64165	Mar. 27, 2025	Mar. 26, 2026

Test Equipment Used (RF output power)

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Power Sensor	Keysight	2063XA	MY58000436	Oct. 18, 2024	Oct. 17, 2025

Test Equipment Used (Mains conduction)

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
EMI Receiver	R&S	ESR 7	102599	Aug. 11, 2025	Aug. 10, 2026
LISN	R&S	ENV216	101517	Oct. 22, 2024	Oct. 21, 2025

**Test Equipment Used (Power Density/Emission Bandwidth/in of Band Emission)**

Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Keysight	N9010B	MY63440384	Jul. 11, 2025	Jul. 10, 2026

*: The calibrations of the above equipment are traceable to NIST or equivalent standards of the reference organizations.



Appendix B. Duty Cycle

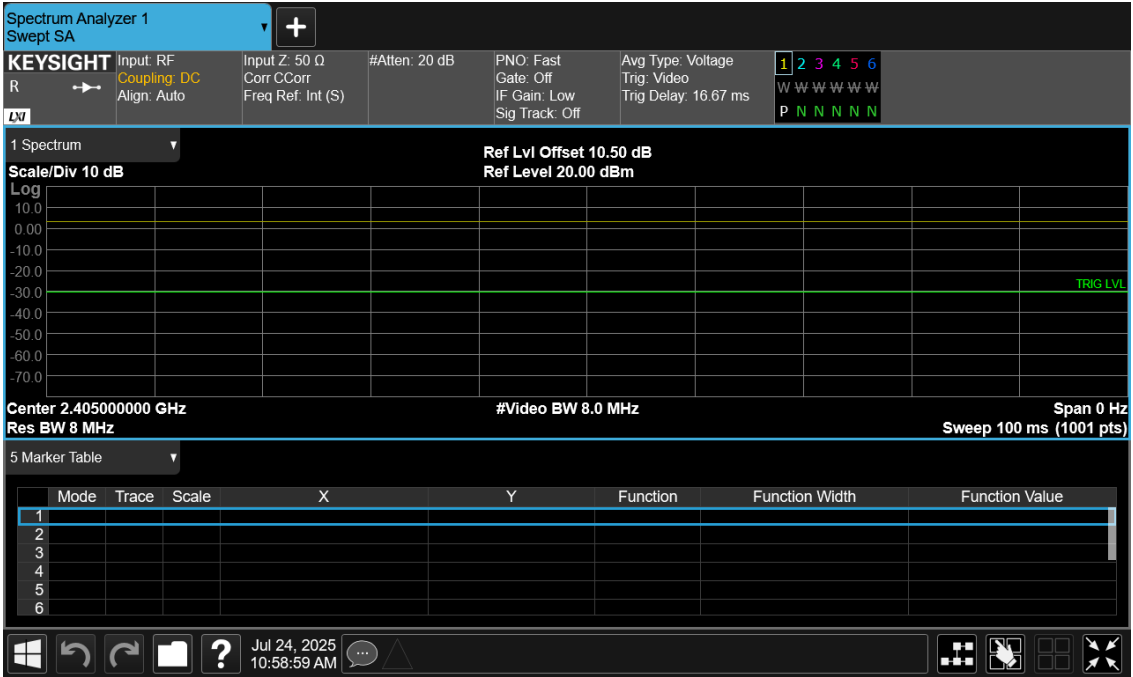
ZigBee

250kbps		
Duty On (ms):	-	Duty Cycle = Ton / (Ton + Toff)
Duty OnOff (ms):	-	
Duty Cycle (%):	100	
VBW (Hz):	10	

*Duty cycle = 1

*If duty cycle of test signal is ≥ 98%, duty factor is not required.

*If duty cycle of test signal is < 98%, duty factor shall be considered.



Appendix C. Peak Output Power

Peak Output Power

<ZigBee>

Channel	Channel Frequency	Peak Output Power		Power Setting	Limit (dBm)
	(MHz)	(dBm)	(mW)		
Low Channel	2405	4.38	2.741574	4	30
Middle Channel	2440	4.26	2.666859	4	30
High Channel	2475	4.15	2.600160	4	30



Appendix D. 6dB Bandwidth & 99% Bandwidth

6dB Bandwidth

<ZigBee>

Channel	Channel Frequency	6dB Bandwidth	Limit (MHz)
	(MHz)	(MHz)	
Low Channel	2405	1.543	0.5
Middle Channel	2440	1.513	0.5
High Channel	2475	1.533	0.5

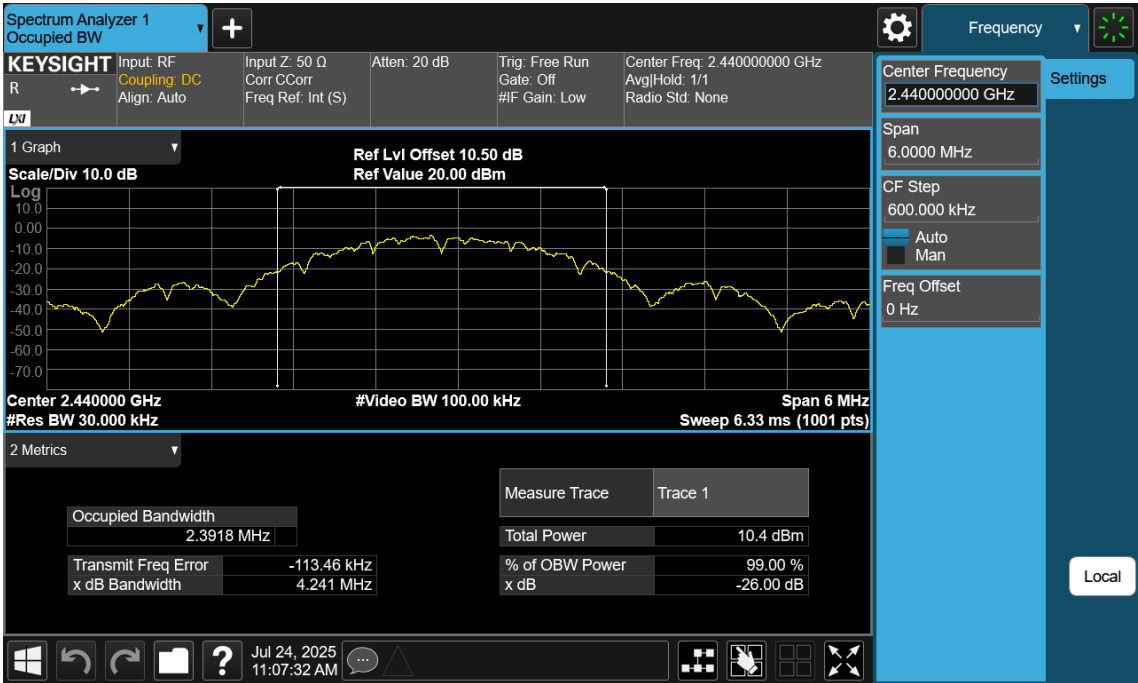




99% Bandwidth

<ZigBee>

Channel	Channel Frequency	99% Bandwidth
	(MHz)	(MHz)
Low Channel	2405	2.390
Middle Channel	2440	2.392
High Channel	2475	2.383





Appendix E. Power Density

Power Density

<ZigBee>

Channel	Channel Frequency	Power Density	Limit (dBm/3kHz)
	(MHz)	(dBm/3kHz)	
Low Channel	2405	-11.002	8
Middle Channel	2440	-11.240	8
High Channel	2475	-12.179	8

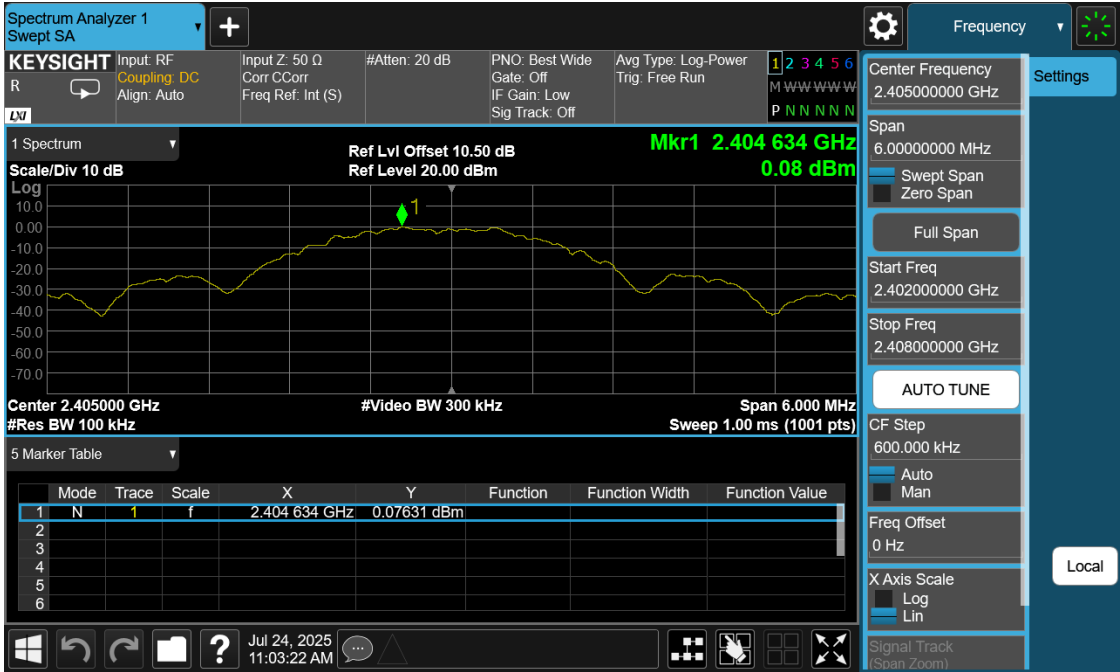




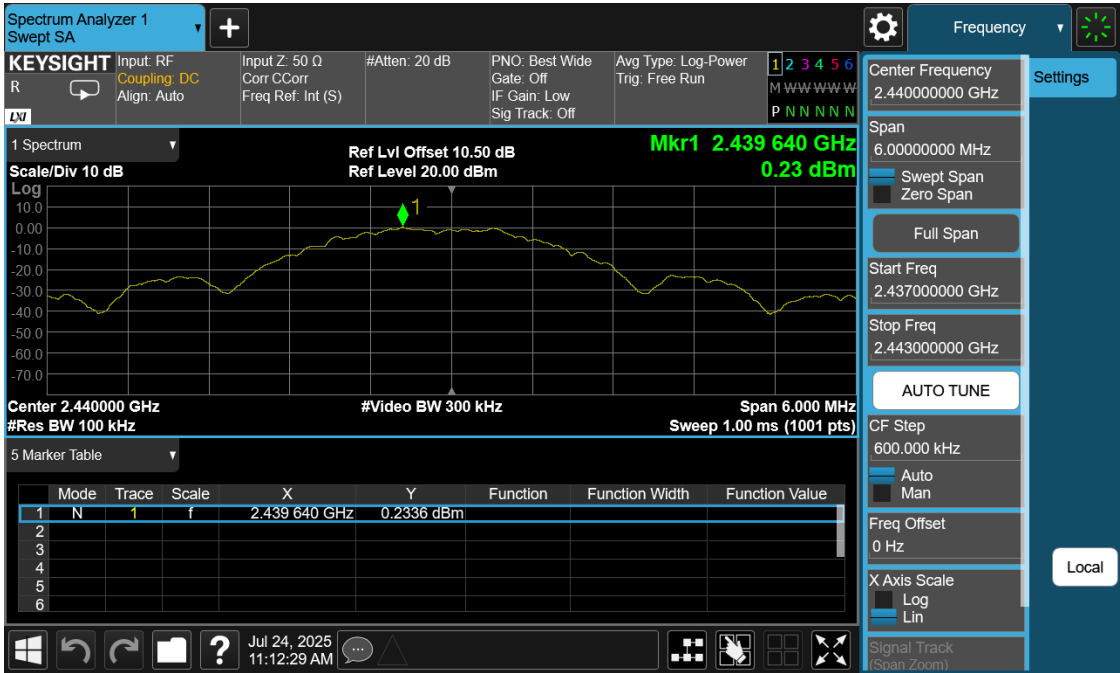
Appendix F. Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth

Reference <ZigBee>

<Lowest Channel>

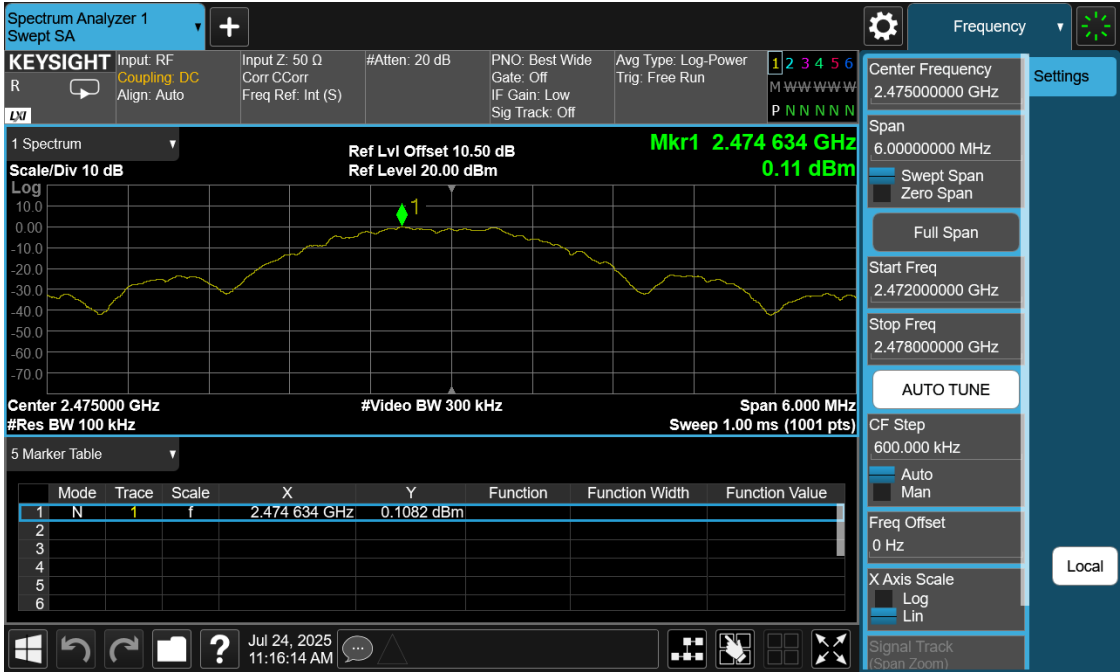


<Middle Channel>





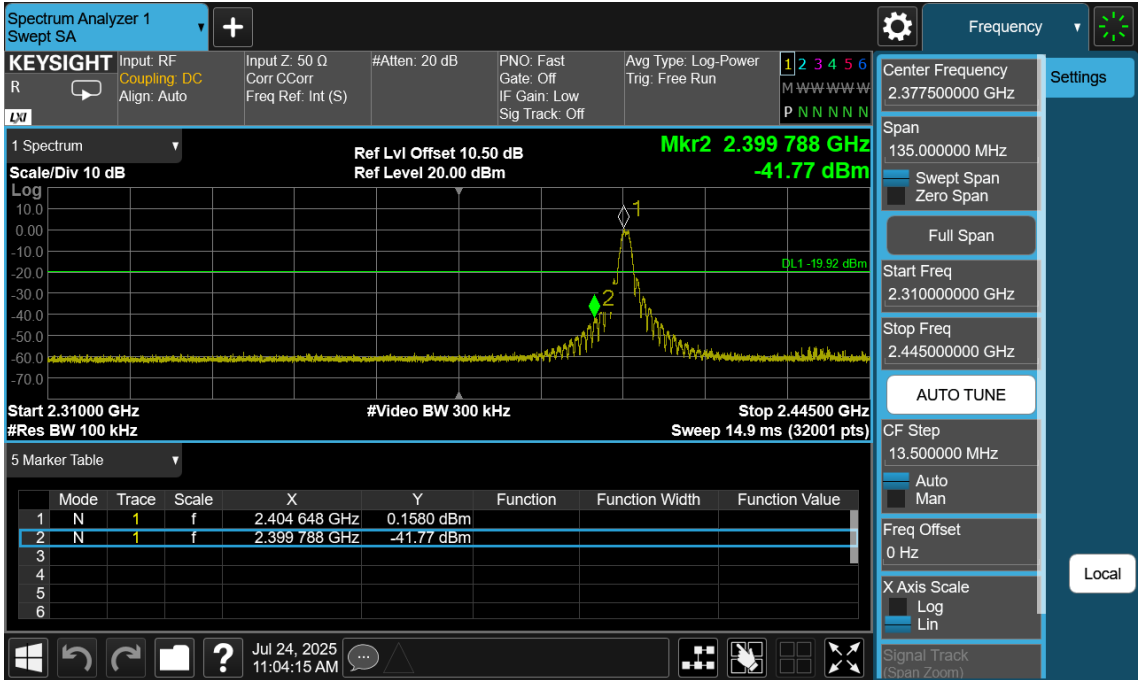
< Highest Channel >



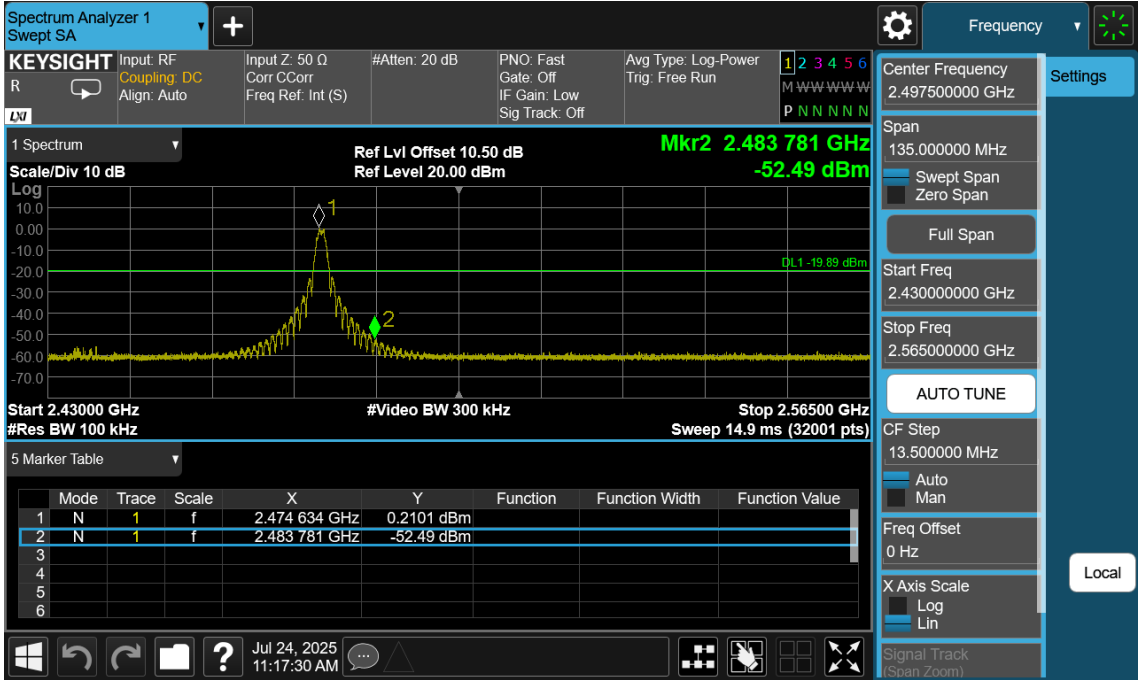


Band Edges<ZigBee>

<Lowest Channel>



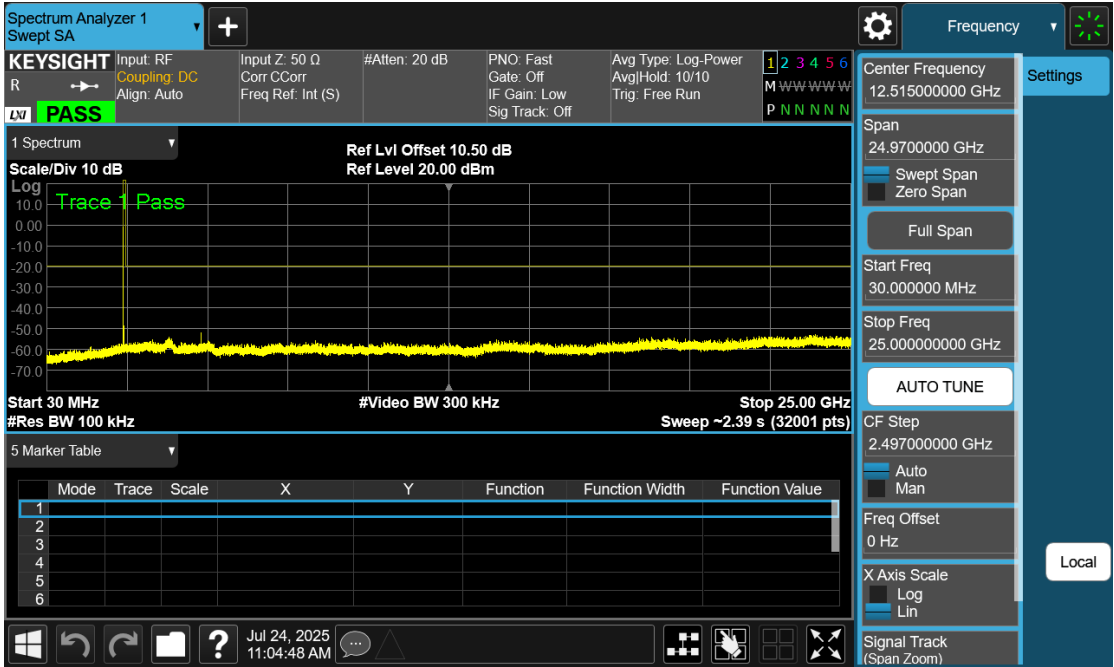
<Highest Channel>



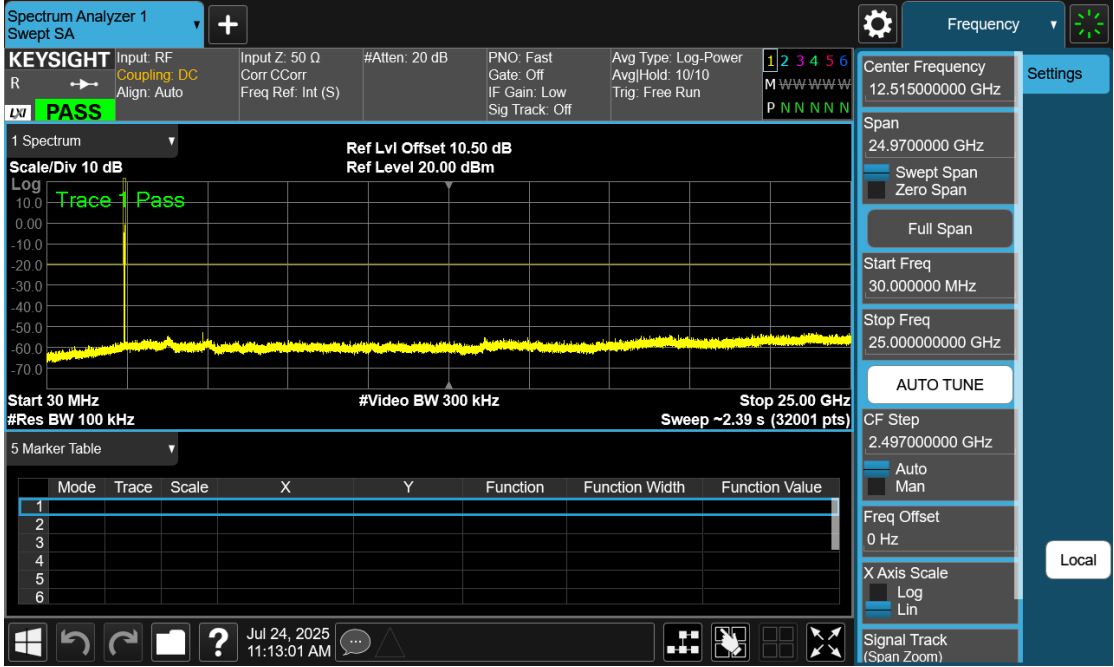


Conducted Spurious Emissions<ZigBee>

<Lowest Channel>

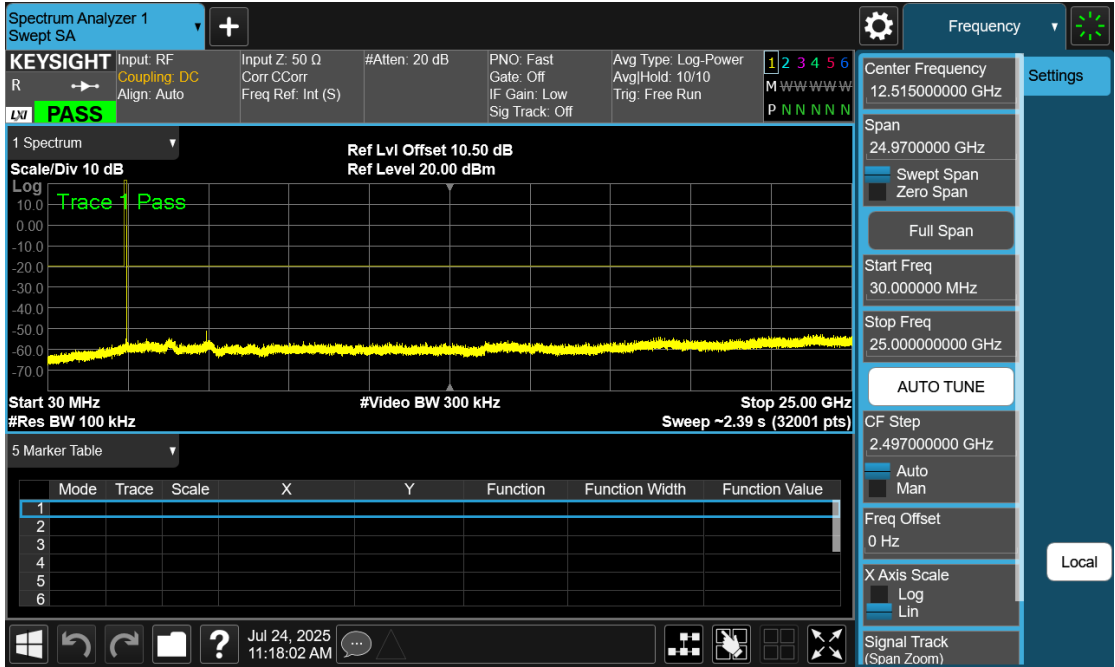


<Middle Channel>





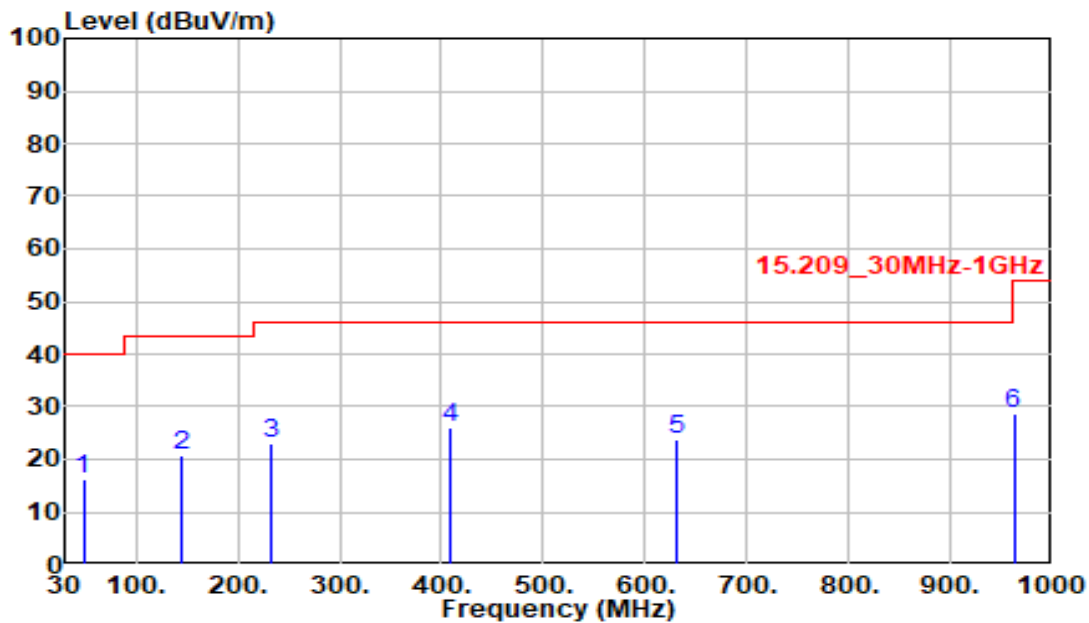
< Highest Channel >



Appendix G. Radiated Spurious Emissions and Band Edges

Report No.	:6128625041301	Test Date	:2025-07-15
Product Name	:Wireless USB Dongle	Model Name	:SNWDG001
Operation Band	:ZigBee	Temp/Humi	:21.9C/56%
Channel	:2440 MHz	Antenna Pol	:Vertical
Mode	:Tx	Test Engineer	:Sam Huang
Power Setting	:6	Test Site	:chamber B
Plane	:Z Plane	Voltage	:5Vdc From Notebook

Note :



Freq MHz	Read LV. dBuV	Factor dB/m	Emission LV dBuV/m	Limit dBuV/m	Margin dB	Detector PK/QP/AV	Apos CM	TPos DEG
48.430	40.06	-23.66	16.40	40.00	-23.60	Peak	232	239
145.430	44.88	-24.20	20.68	43.50	-22.82	Peak	221	354
233.700	49.32	-26.40	22.92	46.00	-23.08	Peak	260	282
409.270	45.91	-19.95	25.96	46.00	-20.04	Peak	187	123
631.400	38.81	-15.08	23.73	46.00	-22.27	Peak	264	186
962.170	38.94	-10.43	28.51	54.00	-25.49	Peak	198	221



Report No.
Product Name

Operation Band
Channel
Mode
Power Setting
Plane

:6128625041301
:Wireless USB Dongle
:ZigBee
:2440 MHz
:Tx
:6
:Z Plane

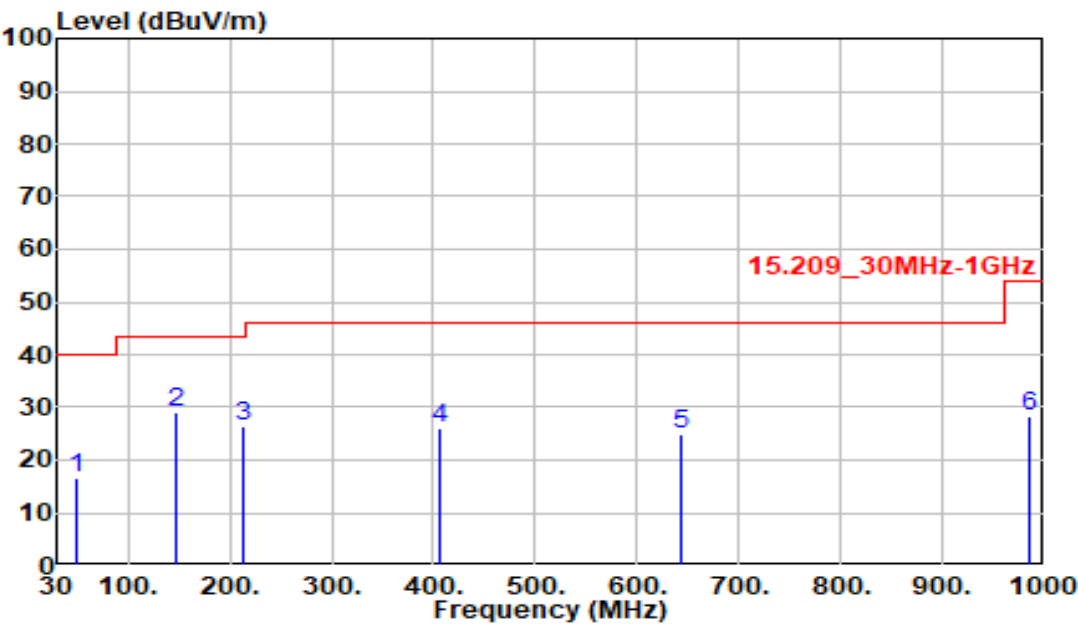
Test Date
Model Name

Temp/Humi
Antenna Pol
Test Engineer
Test Site
Voltage

:2025-07-15
:SNWDG001

:21.9C/56%
:Horizontal
:Sam Huang
:chamber B
:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
50.370	40.12	-23.64	16.48	40.00	-23.52	Peak	304	249
147.370	52.98	-24.05	28.93	43.50	-14.57	Peak	132	313
212.360	53.43	-27.04	26.39	43.50	-17.11	Peak	268	16
407.330	45.90	-20.01	25.89	46.00	-20.11	Peak	355	168
644.010	39.82	-14.88	24.94	46.00	-21.06	Peak	284	166
986.420	38.85	-10.40	28.45	54.00	-25.55	Peak	309	347



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2405 MHz

:Tx

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

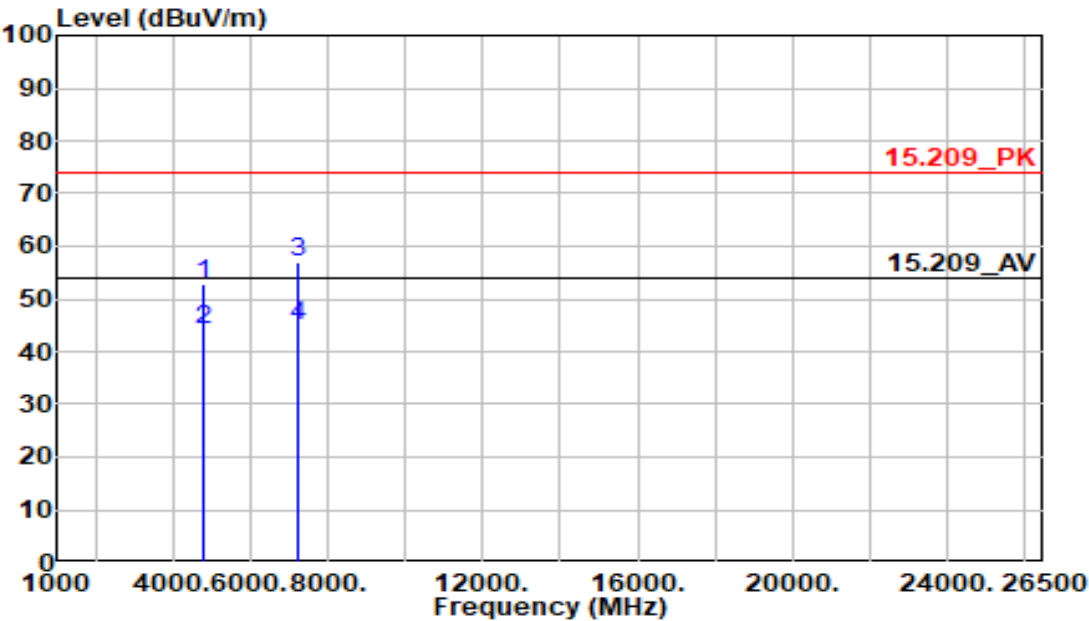
:Vertical

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4810.000	57.09	-4.36	52.73	74.00	-21.27	Peak	263	314
4810.000	48.60	-4.36	44.24	54.00	-9.76	Average	263	314
7215.000	55.00	1.82	56.82	74.00	-17.18	Peak	348	90
7215.000	42.94	1.82	44.76	54.00	-9.24	Average	348	90



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2405 MHz

:Tx

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

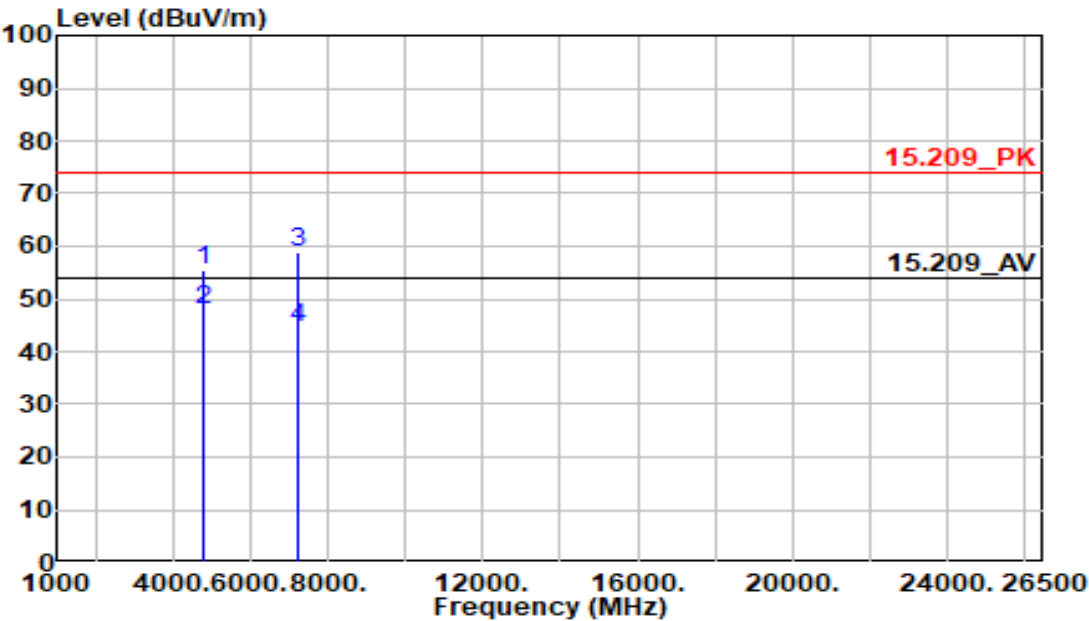
:Horizontal

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4810.000	59.89	-4.36	55.53	74.00	-18.47	Peak	172	244
4810.000	52.28	-4.36	47.92	54.00	-6.08	Average	172	244
7215.000	56.92	1.82	58.74	74.00	-15.26	Peak	242	262
7215.000	42.85	1.82	44.67	54.00	-9.33	Average	242	262



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2440 MHz

:Tx

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

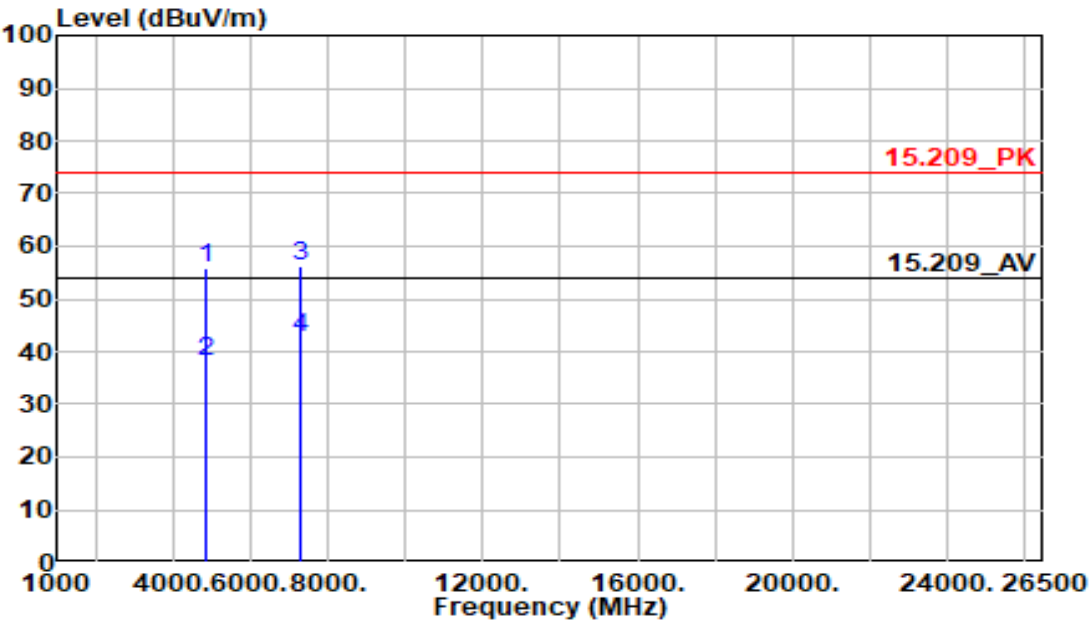
:Vertical

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4880.000	59.92	-4.14	55.78	74.00	-18.22	Peak	298	79
4880.000	42.22	-4.14	38.08	54.00	-15.92	Average	298	79
7320.000	54.14	2.04	56.18	74.00	-17.82	Peak	295	137
7320.000	40.50	2.04	42.54	54.00	-11.46	Average	295	137



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2440 MHz

:Tx

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

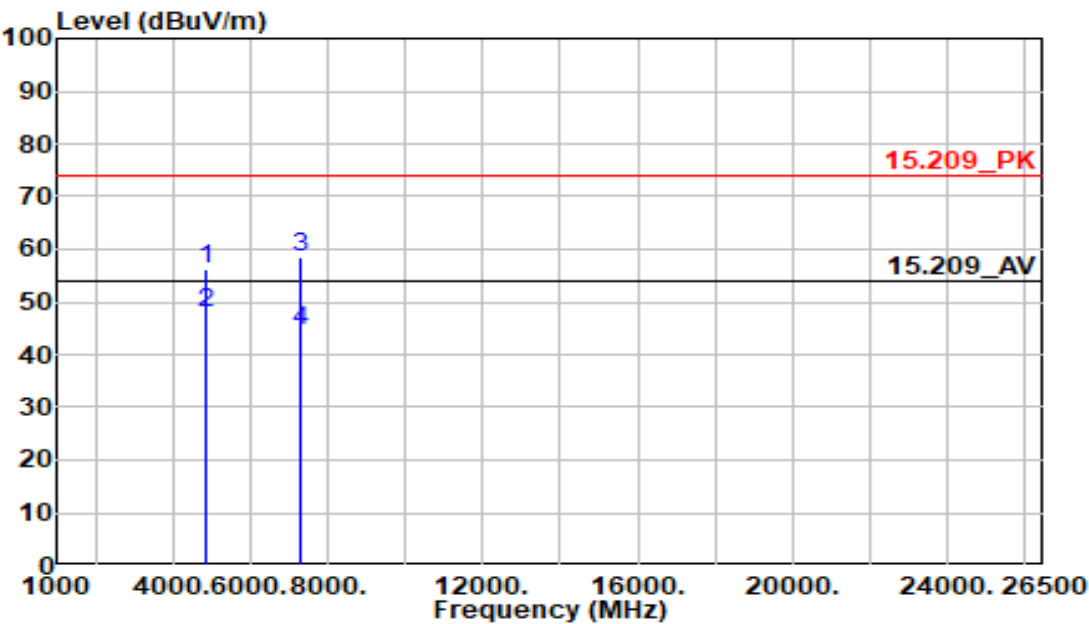
:Horizontal

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4880.000	60.45	-4.14	56.31	74.00	-17.69	Peak	200	152
4880.000	52.21	-4.14	48.07	54.00	-5.93	Average	200	152
7320.000	56.41	2.04	58.45	74.00	-15.55	Peak	117	220
7320.000	42.34	2.04	44.38	54.00	-9.62	Average	117	220



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2475 MHz

:Tx

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

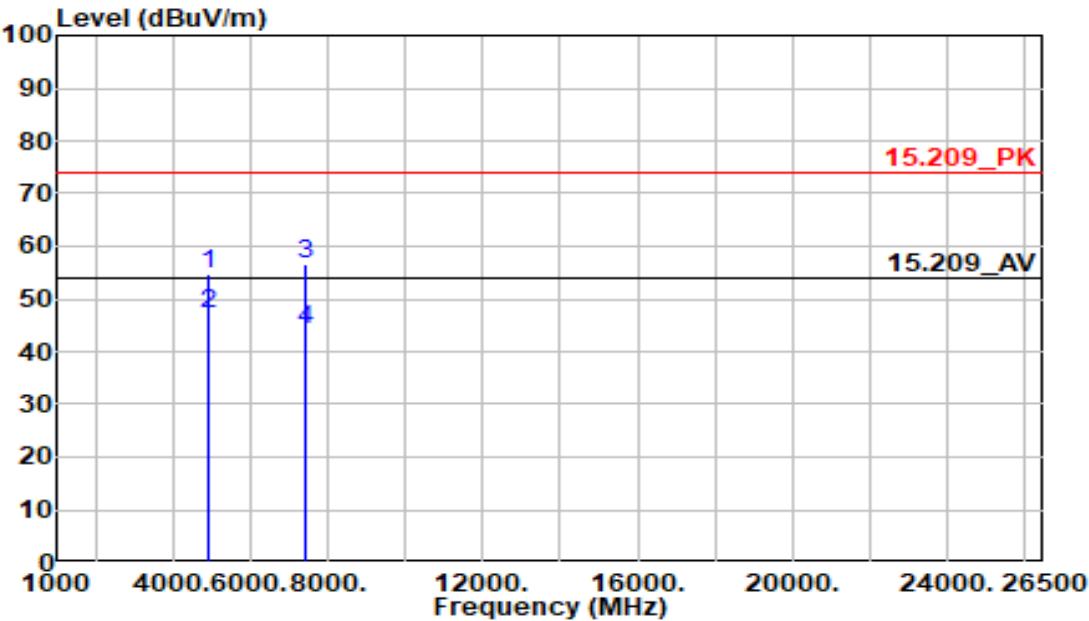
:Vertical

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4950.000	58.83	-3.93	54.90	74.00	-19.10	Peak	344	133
4950.000	51.01	-3.93	47.08	54.00	-6.92	Average	344	133
7425.000	54.46	2.25	56.71	74.00	-17.29	Peak	217	316
7425.000	42.04	2.25	44.29	54.00	-9.71	Average	217	316



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2475 MHz

:Tx

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

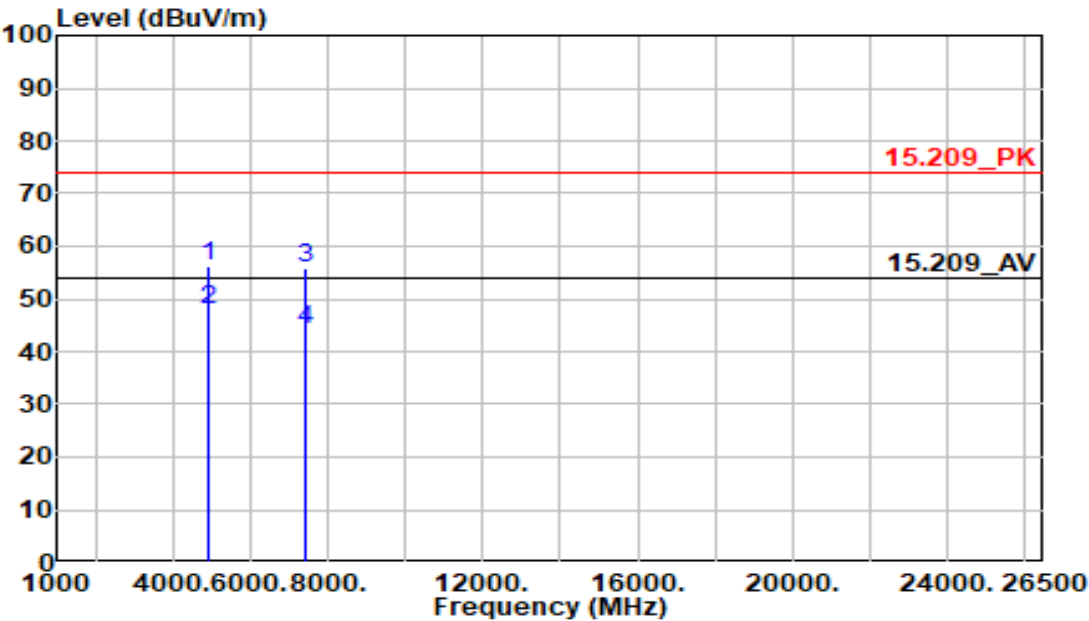
:Horizontal

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
4950.000	60.09	-3.93	56.16	74.00	-17.84	Peak	271	243
4950.000	51.97	-3.93	48.04	54.00	-5.96	Average	271	243
7425.000	53.77	2.25	56.02	74.00	-17.98	Peak	143	78
7425.000	41.98	2.25	44.23	54.00	-9.77	Average	143	78



Report No.
Product Name

Operation Band
Channel
Mode
Power Setting
Plane

:6128625041301
:Wireless USB Dongle
:ZigBee
:2405 MHz
:Bandedge
:6
:Z Plane

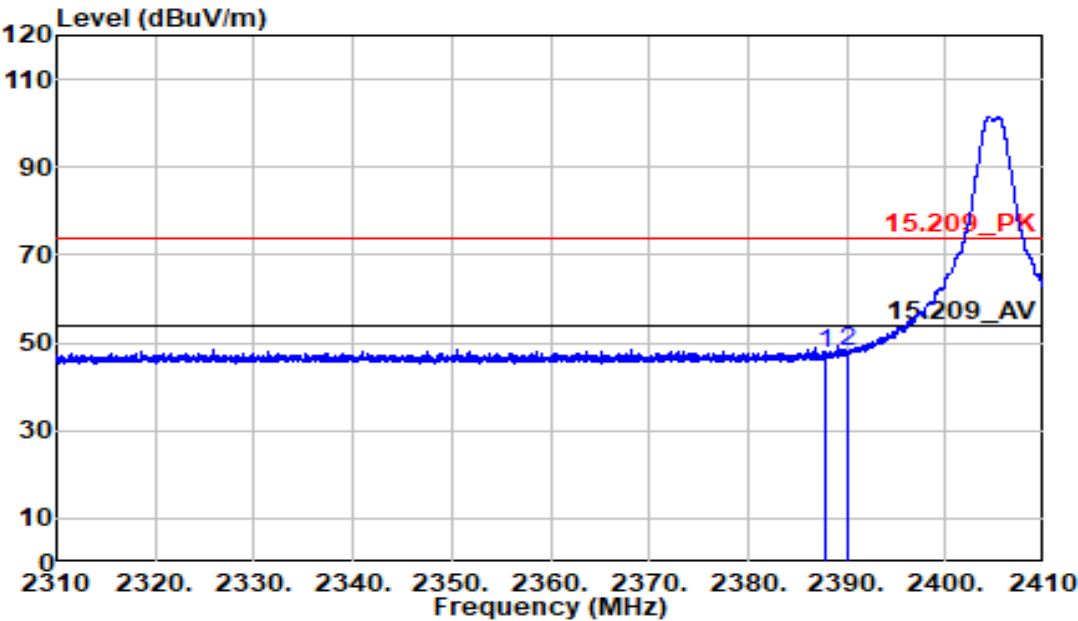
Test Date
Model Name

Temp/Humi
Antenna Pol
Test Engineer
Test Site
Voltage

:2025-07-15
:SNWDG001

:21.9C/56%
:Vertical
:Sam Huang
:chamber B
:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV			PK/QP/AV	CM	DEG
	dBuV	dB/m	dBuV/m	dBuV/m	dB			
2387.875	58.95	-11.47	47.48	74.00	-26.52	Peak	261	153
2390.000	59.58	-11.47	48.11	74.00	-25.89	Peak	261	153



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2405 MHz

:Bandedge

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

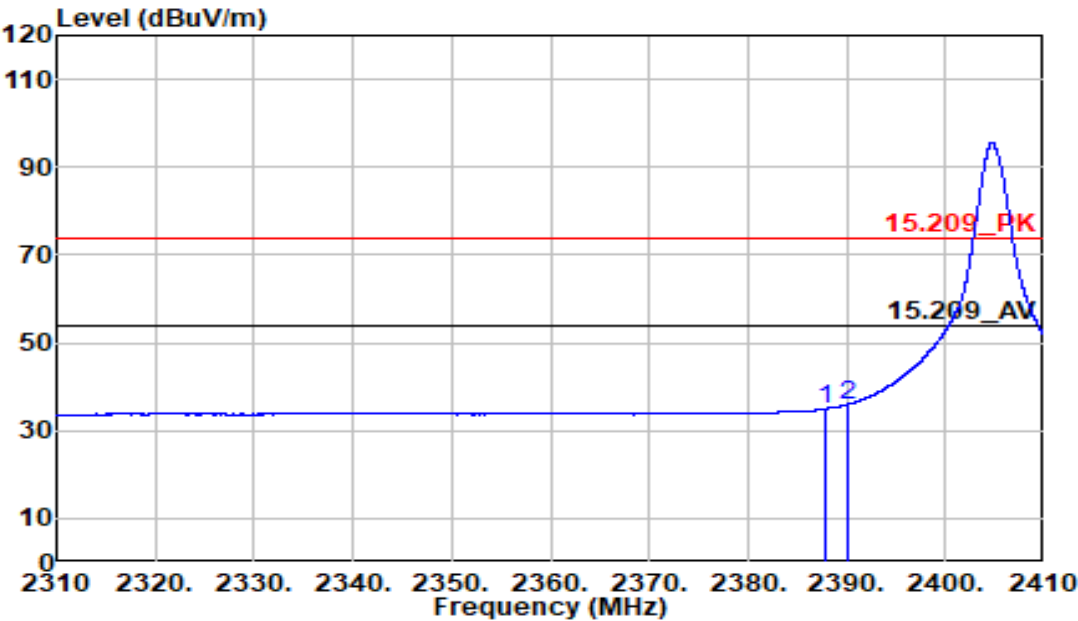
:Vertical

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2387.875	46.42	-11.47	34.94	54.00	-19.06	Average	261	153
2390.000	47.37	-11.47	35.90	54.00	-18.10	Average	261	153



Report No.

Product Name

Operation Band

Channel

Mode

Power Setting

Plane

:6128625041301

:Wireless USB Dongle

:ZigBee

:2405 MHz

:Bandedge

:6

:Z Plane

Test Date

Model Name

Temp/Humi

Antenna Pol

Test Engineer

Test Site

Voltage

:2025-07-15

:SNWDG001

:21.9C/56%

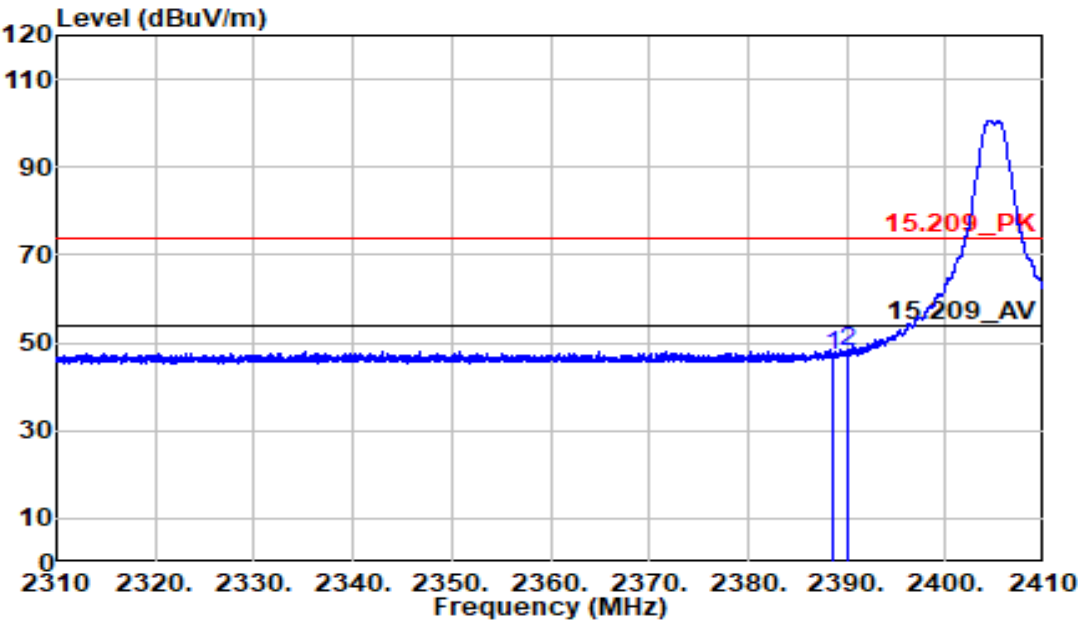
:Horizontal

:Sam Huang

:chamber B

:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV			PK/QP/AV	CM	DEG
	dBuV	dB/m	dBuV/m	dBuV/m	dB			
2388.520	58.70	-11.39	47.31	74.00	-26.69	Peak	328	129
2390.000	59.33	-11.39	47.94	74.00	-26.06	Peak	328	129



Report No.
Product Name

Operation Band
Channel
Mode
Power Setting
Plane

:6128625041301
:Wireless USB
Dongle
:ZigBee
:2405 MHz
:Bandedge
:6
:Z Plane

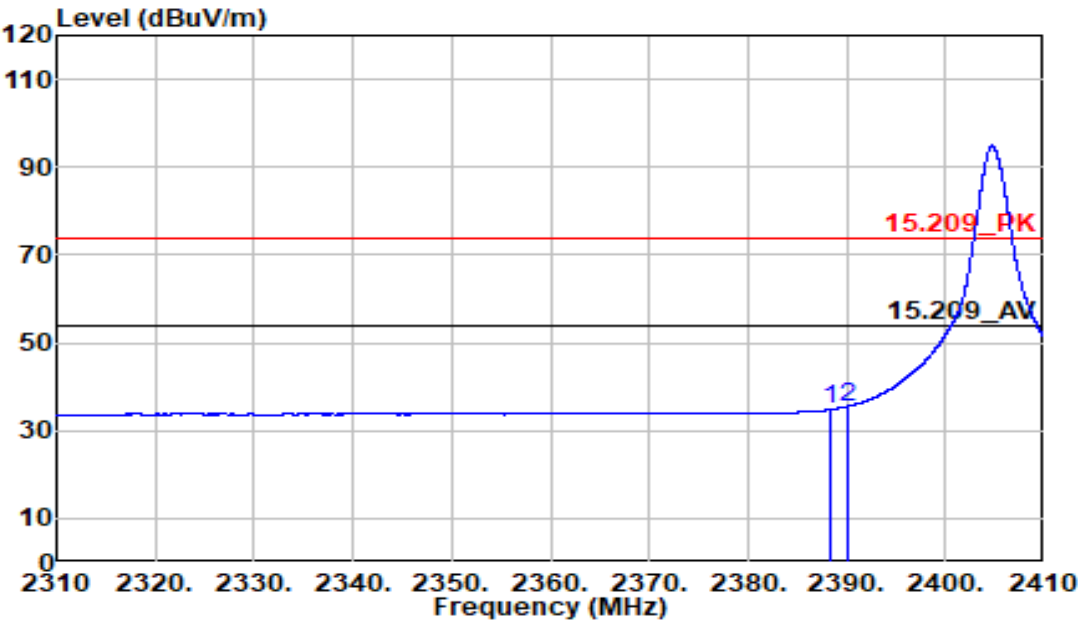
Test Date
Model Name

Temp/Humi
Antenna Pol
Test Engineer
Test Site
Voltage

:2025-07-15
:SNWDG001

:21.9C/56%
:Horizontal
:Sam Huang
:chamber B
:5Vdc From
Notebook

Note :

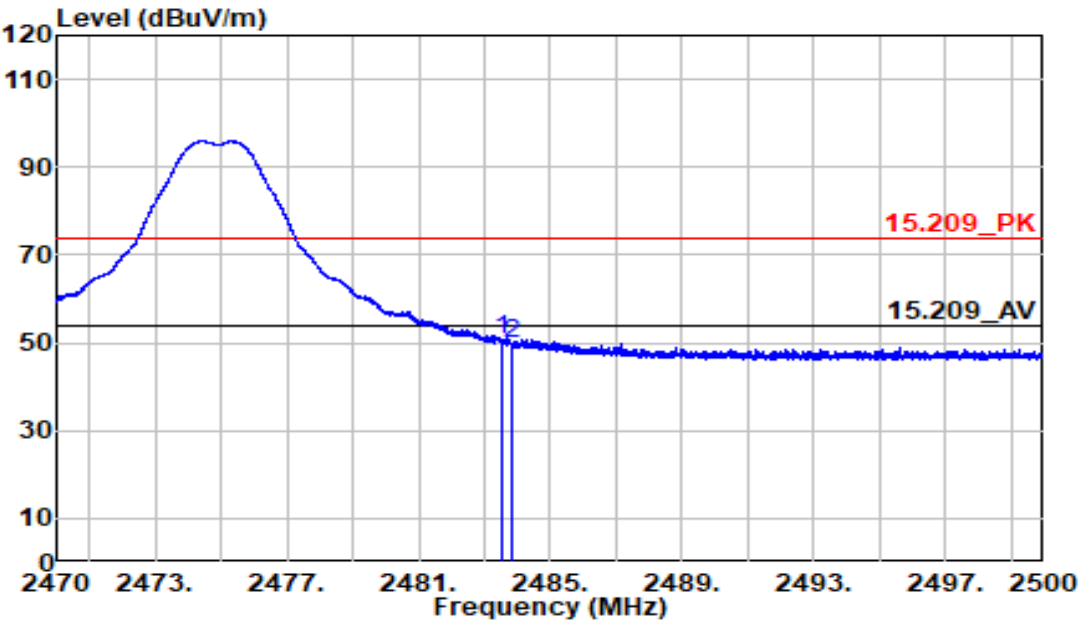


Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV			PK/QP/AV	CM	DEG
	dBuV	dB/m	dBuV/m	dBuV/m	dB			
2388.250	46.16	-11.39	34.77	54.00	-19.23	Average	328	129
2390.000	46.88	-11.39	35.49	54.00	-18.51	Average	328	129



Report No.	:6128625041301	Test Date	:2025-07-15
Product Name	:Wireless USB Dongle	Model Name	:SNWDG001
Operation Band	:ZigBee	Temp/Humi	:21.9C/56%
Channel	:2475 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Sam Huang
Power Setting	:6	Test Site	:chamber B
Plane	:Z Plane	Voltage	:5Vdc From Notebook

Note :

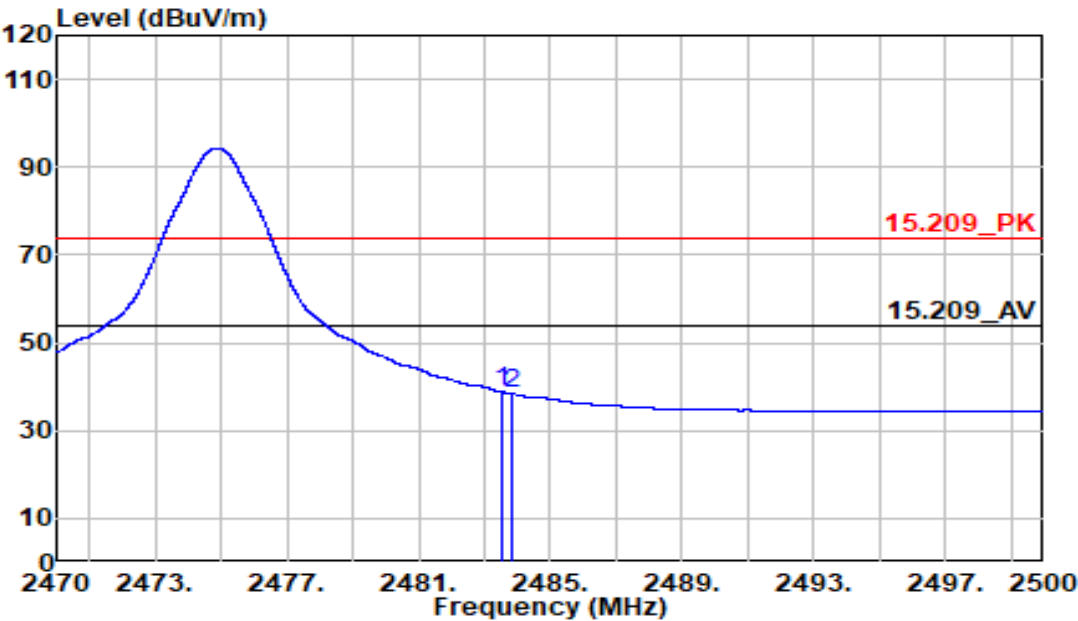


Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	62.09	-11.17	50.92	74.00	-23.08	Peak	104	121
2483.845	61.01	-11.17	49.84	74.00	-24.16	Peak	104	121



Report No.	:6128625041301	Test Date	:2025-07-15
Product Name	:Wireless USB Dongle	Model Name	:SNWDG001
Operation Band	:ZigBee	Temp/Humi	:21.9C/56%
Channel	:2475 MHz	Antenna Pol	:Vertical
Mode	:Bandedge	Test Engineer	:Sam Huang
Power Setting	:6	Test Site	:chamber B
Plane	:Z Plane	Voltage	:5Vdc From Notebook

Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2483.500	49.97	-11.17	38.80	54.00	-15.20	Average	104	121
2483.845	49.59	-11.17	38.42	54.00	-15.58	Average	104	121



Report No.
Product Name

Operation Band
Channel
Mode
Power Setting
Plane

:6128625041301
:Wireless USB
Dongle
:ZigBee
:2475 MHz
:Bandedge
:6
:Z Plane

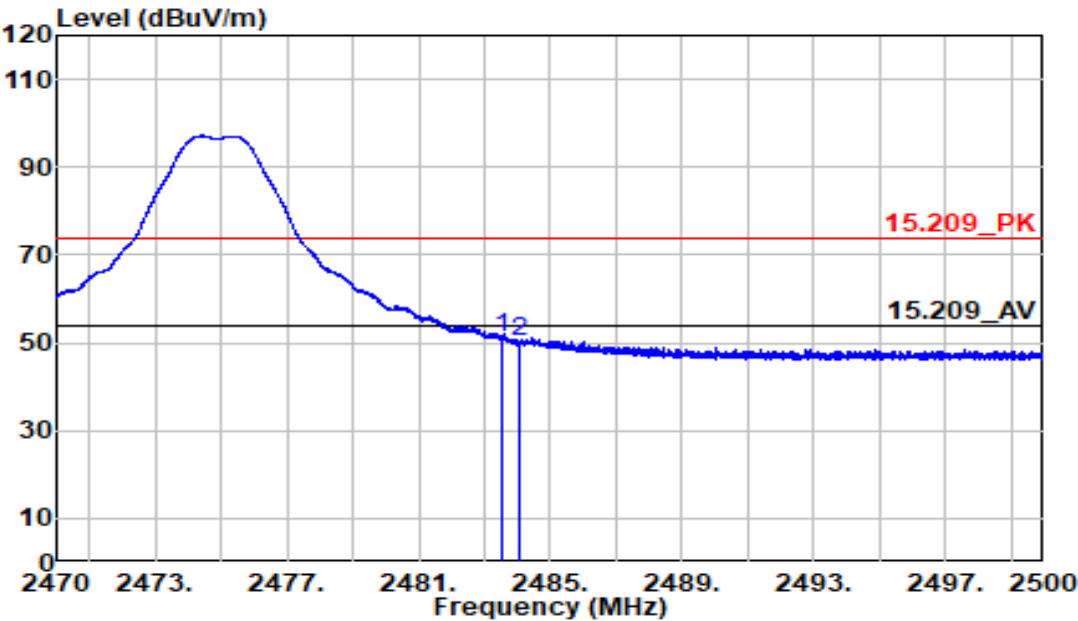
Test Date
Model Name

Temp/Humi
Antenna Pol
Test Engineer
Test Site
Voltage

:2025-07-15
:SNWDG001

:21.9C/56%
:Horizontal
:Sam Huang
:chamber B
:5Vdc From
Notebook

Note :

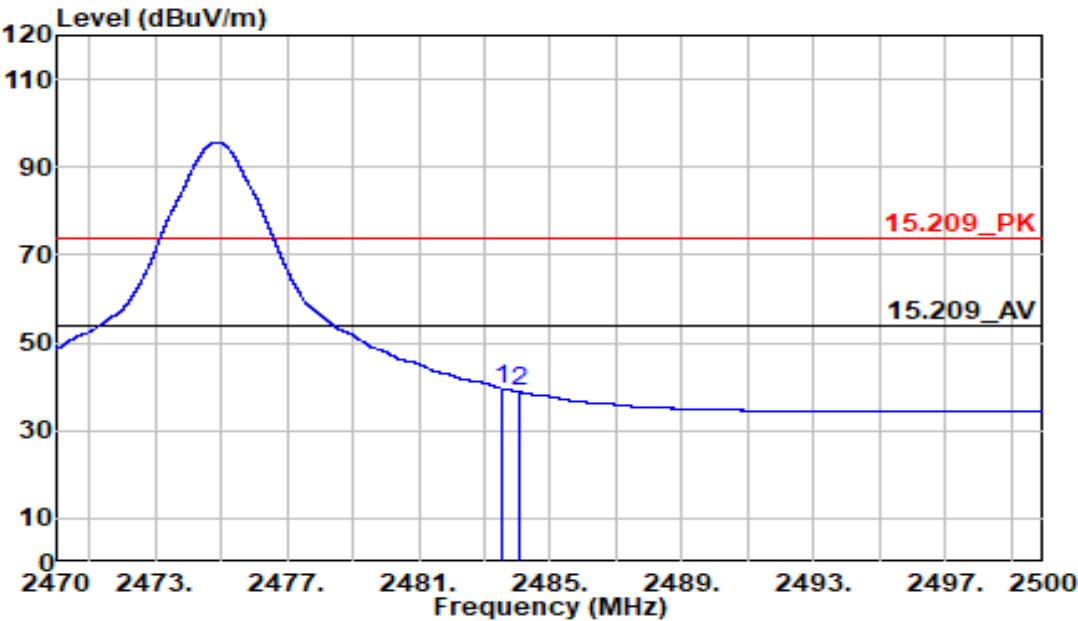


Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.		LV					
	dBuV	dB/m	dBuV/m	dBuV/m	dB	PK/QP/AV	CM	DEG
2483.500	62.19	-11.17	51.02	74.00	-22.98	Peak	159	126
2484.077	61.33	-11.17	50.16	74.00	-23.84	Peak	159	126



Report No.	:6128625041301	Test Date	:2025-07-15
Product Name	:Wireless USB Dongle	Model Name	:SNWDG001
Operation Band	:ZigBee	Temp/Humi	:21.9C/56%
Channel	:2475 MHz	Antenna Pol	:Horizontal
Mode	:Bandedge	Test Engineer	:Sam Huang
Power Setting	:6	Test Site	:chamber B
Plane	:Z Plane	Voltage	:5Vdc From Notebook

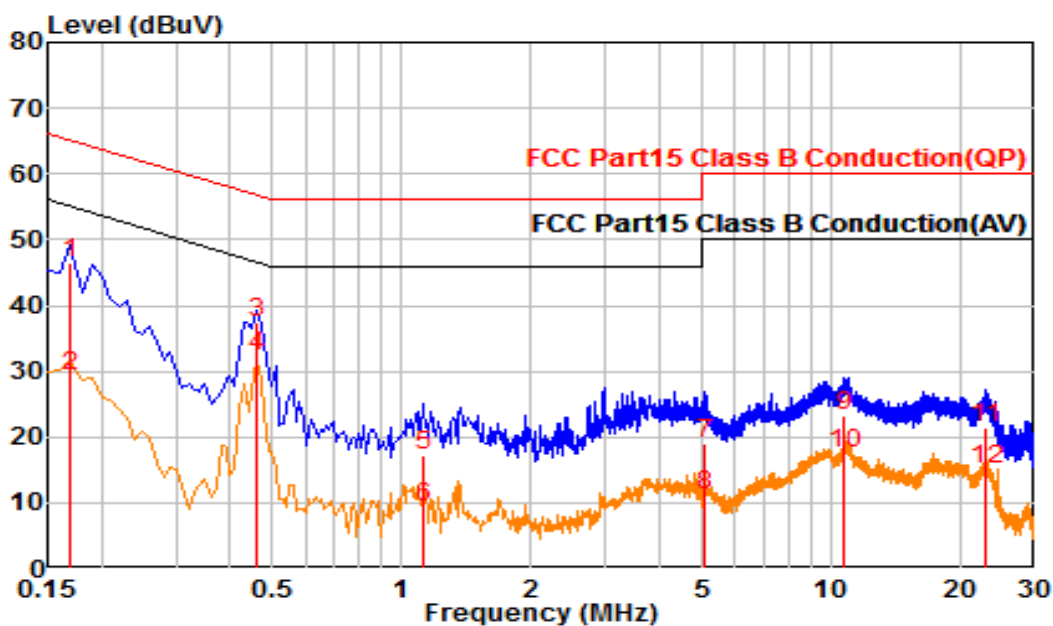
Note :



Freq	Read	Factor	Emission	Limit	Margin	Detector	Apos	TPos
MHz	LV.	dB/m	LV		dB	PK/QP/AV	CM	DEG
	dBuV		dBuV/m	dBuV/m				
2483.500	50.77	-11.17	39.60	54.00	-14.40	Average	159	126
2484.077	49.93	-11.17	38.77	54.00	-15.23	Average	159	126

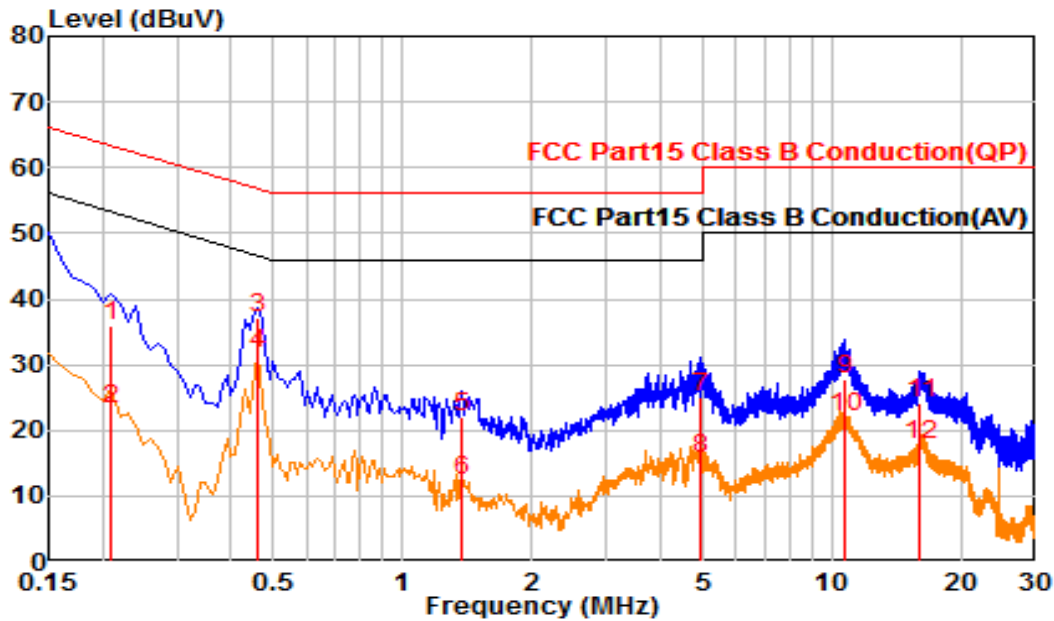
Appendix H. AC Mains Conducted Emissions

Report No.	:6128625042301	Test Date	:2025-07-16
Product Name	:Wireless USB Dongle	Model Name	:SNWDG001
Operation Band	:ZigBee	Temp/Humi	:25.3C/58%
Mode	:Tx	Test Engineer	:Kevin Syu
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Line	Note	:



Freq	Read LV.	Factor	Cable Loss	LISN Factor	Emission LV	Limit	Margin	Detect
MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	QP/AV
0.170	36.82	9.63	0.01	9.62	46.45	64.95	-18.50	QP
0.170	19.56	9.63	0.01	9.62	29.19	54.95	-25.77	Average
0.461	27.93	9.62	0.01	9.61	37.56	56.68	-19.12	QP
0.461	22.65	9.62	0.01	9.61	32.27	46.68	-14.41	Average
1.119	7.64	9.64	0.02	9.62	17.28	56.00	-38.72	QP
1.119	-0.42	9.64	0.02	9.62	9.22	46.00	-36.78	Average
5.068	9.43	9.69	0.04	9.65	19.11	60.00	-40.89	QP
5.068	1.52	9.69	0.04	9.65	11.21	50.00	-38.79	Average
10.732	13.67	9.71	0.05	9.65	23.37	60.00	-36.63	QP
10.732	7.70	9.71	0.05	9.65	17.41	50.00	-32.59	Average
22.855	11.71	9.64	0.08	9.56	21.35	60.00	-38.65	QP
22.855	5.54	9.64	0.08	9.56	15.17	50.00	-34.83	Average

Report No.	:6128625042301	Test Date	:2025-07-16
Product Name	:Wireless USB Dongle	Model Name	:SNWDG001
Operation Band	:ZigBee	Temp/Humi	:25.3C/58%
Mode	:Tx	Test Engineer	:Kevin Syu
Power	:120V/60Hz	Test Site	:Shielded Room A
Condition	:Neutral	Note	:



Freq	Read LV.	Factor	Cable Loss	LISN Factor	Emission LV	Limit	Margin	Detect
MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	QP/AV
0.210	26.40	9.62	0.01	9.61	36.02	63.19	-27.17	QP
0.210	13.65	9.62	0.01	9.61	23.27	53.19	-29.92	Average
0.461	27.61	9.62	0.01	9.61	37.23	56.68	-19.45	QP
0.461	22.16	9.62	0.01	9.61	31.78	46.68	-14.90	Average
1.371	12.44	9.64	0.02	9.61	22.08	56.00	-33.92	QP
1.371	2.84	9.64	0.02	9.61	12.47	46.00	-33.53	Average
4.942	15.34	9.68	0.04	9.64	25.02	56.00	-30.98	QP
4.942	5.97	9.68	0.04	9.64	15.65	46.00	-30.35	Average
10.701	17.91	9.72	0.05	9.67	27.63	60.00	-32.37	QP
10.701	12.35	9.72	0.05	9.67	22.07	50.00	-27.93	Average
16.096	14.31	9.74	0.06	9.68	24.05	60.00	-35.95	QP
16.096	8.17	9.74	0.06	9.68	17.91	50.00	-32.09	Average