



Prüfbericht-Nr.: <i>Test report no.:</i>	CN25MQ3J 001	Auftrags-Nr.: <i>Order no.:</i>	48281311	Seite 1 von 32 Page 1 of 32
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2025-09-01	
Auftraggeber: <i>Client:</i>	Snap One, LLC 1800 Continental Blvd Suite 200-300, Charlotte, NC 28273			
Prüfgegenstand: <i>Test item:</i>	Subwoofer Wireless Transmitter			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	TS-WIRELESS-TX			
Auftrags-Inhalt: <i>Order content:</i>	FCC Part 15C Test report (SRD 2.4GHz)			
Prüfgrundlage: <i>Test specification:</i>	FCC 47CFR Part 15: Subpart C Section 15.247			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-09-02			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A004082465-005			
Prüfzeitraum: <i>Testing period:</i>	2025-10-14 - 2026-01-12			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland Taiwan Ltd. New Taipei Branch			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland Taiwan Ltd. Taipei Testing Laboratories			
Prüfergebnis*: <i>Test result*:</i>	Pass			
zusammengestellt von: <i>compiled by:</i>		genehmigt von: <i>authorized by:</i>		
Datum: <i>Date:</i> 2026-01-14		Ausstellungsdatum: <i>Issue date:</i> 2026-01-14		
Anderson Chiu Stellung / Position: Senior Project Manager		Brenda Chen Stellung / Position: Senior Project Manager		
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Prüfbericht-Nr.:
Test report no.:

CN25MQ3J 001

Seite 2 von 32
Page 2 of 32

Anmerkungen
Remarks

- | | |
|----------|--|
| 1 | <p>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</p> <p>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</p> <p><i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i></p> |
| 2 | <p>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature</p> <p><i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i></p> |
| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.</p> <p>Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</p> <p><i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i></p> <p><i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i></p> |
| 4 | <p>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2023, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</p> <p><i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2023, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i></p> |

TEST SUMMARY

Report Section	FCC Clause	Test Item	Result
5.1.1	15.247(b) & 15.203	Antenna Requirement	Pass
5.1.2	15.247(b)(1)	Peak Output Power	Pass
5.1.3	15.247(a)(1)	20 dB Bandwidth	Note 1
5.1.3	2.1049	99% Occupied Bandwidth	Pass
5.1.4	15.247(d)	Conducted Spurious Emission and Band Edges	Pass
5.1.5	15.247(d) & 15.205 & 15.209	Radiated Spurious Emissions and Band Edges	Pass
5.1.6	15.247(a)(1)	Hopping Channel Separation	Pass
5.1.7	15.247(a)(1) (iii)	Number of Hopping Frequency Used	Pass
5.1.8	15.247(a)(1) (iii)	Dwell Time on Each Channel	Pass
5.2.1	15.207	Mains Conducted Emission	Pass

Note:

1. If the Frequency Hopping Systems operating in 2400-2483.5 MHz band and the output power less than 125 mW. The hopping channel carrier frequencies separated by a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of hopping channel whichever is greater.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

Contents

HISTORY OF THIS TEST REPORT	6
1. GENERAL REMARKS	7
1.1 COMPLEMENTARY MATERIALS	7
1.2 DECISION RULE OF CONFORMITY	7
2. TEST SITES	8
2.1 TEST LABORATORY	8
2.2 TEST FACILITY	8
2.3 TRACEABILITY	9
2.4 CALIBRATION	9
2.5 MEASUREMENT UNCERTAINTY	9
3. GENERAL PRODUCT INFORMATION	10
3.1 PRODUCT FUNCTION AND INTENDED USE	10
3.2 SYSTEM DETAILS AND RATINGS	10
3.3 NOISE GENERATING AND NOISE SUPPRESSING PARTS	11
3.4 SUBMITTED DOCUMENTS	11
4. TEST SET-UP AND OPERATION MODES	12
4.1 PRINCIPLE OF CONFIGURATION SELECTION	12
4.2 CARRIER FREQUENCY AND CHANNEL	12
4.3 TEST OPERATION AND TEST SOFTWARE	13
4.4 SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	14
4.5 TEST SETUP DIAGRAM	15
4.6 DUTY CYCLE OF TEST SIGNAL	16
5. TEST RESULTS	17
5.1 TRANSMITTER REQUIREMENT & TEST SUITES	17
5.1.1 Antenna Requirement	17
5.1.2 Peak Output Power	18
5.1.3 20 dB Bandwidth and 99% Occupied Bandwidth	21
5.1.4 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth	22
5.1.5 Radiated Spurious Emissions and Band Edges	23
5.1.6 Hopping Channel Separation	28
5.1.7 Number of Hopping Frequency	29
5.1.8 Dwell Time	30
5.2 MAINS EMISSION	31
5.2.1 Mains Conducted Emission	31

Prüfbericht - Nr.: **CN25MQ3J 001**
Test Report No.

Seite 5 von 32
Page 5 of 32

APPENDIX A - TEST RESULT OF CONDUCTED

APPENDIX B - TEST RESULT OF RADIATED EMISSIONS & MAINS CONDUCTED EMISSION

APPENDIX SP - PHOTOGRAPHS TEST SETUP

APPENDIX EP - PHOTOGRAPHS OF EUT

Prüfbericht - Nr.: **CN25MQ3J 001**
Test Report No.

Seite 6 von 32
Page 6 of 32

HISTORY OF THIS TEST REPORT

Revision	Description	Date Issued
R01	Original Release	2026-01-14

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A - Test Result of Conducted

Appendix B - Test Result of Radiated Emissions & Mains Conducted Emission

Appendix SP - Photographs Test Setup

Appendix EP - Photographs of EUT

Applied Standard and Test Levels

Radio
FCC 47CFR Part 15: Subpart C Section 15.247
FCC 47CFR Part 2: Subpart J Section 2.1049
ANSI C63.10-2020
KDB 558074 D01 15.247 Meas Guidance v05r02

1.2 Decision Rule of Conformity

The decision rule of conformity of this test report is following the requirements of the requested standard in the quotation, and agreed among testing laboratory and manufacturer (applicant) to exclude the consideration of Measurement Uncertainty, unless it is required by the specific standard.

2. Test Sites

2.1 Test Laboratory

TÜV Rheinland Taiwan Ltd. Taipei Testing Laboratories

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)

2.2 Test Facility

TÜV Rheinland Taiwan Ltd. Taipei Testing Laboratories

No.458-18, Sec. 2, Fenliao Rd., Linkou Dist.,
New Taipei City 244
Taiwan (R.O.C.)
FCC Registration No.: 180491
ISED Registration No.: 25563

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically in a suitably accredited Calibration Lab. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

All measurement uncertainty values are shown with a coverage factor of $k=2$ to indicate a 95% level of confidence.

Emission Measurement Uncertainty

Parameter	Uncertainty
Radiated Emission (9 kHz ~ 30 MHz)	± 1.15 dB
Radiated Emission (30 MHz ~ 200 MHz)	± 1.32 dB
Radiated Emission (200 MHz ~ 1 GHz)	± 1.31 dB
Radiated Emission (1 GHz ~ 18 GHz)	± 1.53 dB
Radiated Emission (18 GHz ~ 40 GHz)	± 2.50 dB
Mains Conducted Emission	± 1.65 dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a Subwoofer Wireless Transmitter. It contains a SRD 2.4 compatible module enabling the user to communicate data through a Wireless interface.

For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 System Details and Ratings

Basic Information of EUT

Item	EUT information
Kind of Equipment/Test Item	Subwoofer Wireless Transmitter
Type Identification	TS-WIRELESS-TX
FCC ID	2AJAC-WIRELESSTX

Technical Specification of EUT

Item	EUT information
Operating Frequency	2403.58 MHz ~ 2477.31 MHz
Channel Number	49
Operation Voltage	5 Vdc
Modulation	FSK
Maximum Output Power (mW)	32.51
Antenna Information	Refer to 5.1.1
Accessory Device	Refer to 4.4

3.3 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.4 Submitted Documents

- Circuit Diagram
- Instruction Manual
- Rating Label
- Technical Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The test modes were adapted accordingly in reference to the instructions for use.

During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output expected by the customer and is going to be fixed on the firmware of the final end product.

Table for Parameters of Test Software Setting

Frequency (MHz)	Power Setting
2403.58	00
2440.45	00
2477.31	00

4.2 Carrier Frequency and Channel

Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
0	2403.58	20	2434.30	40	2465.02
1	2405.12	21	2435.84	41	2466.56
2	2406.66	22	2437.38	42	2468.10
3	2408.19	23	2438.91	43	2469.63
4	2409.73	24	2440.45	44	2471.17
5	2411.26	25	2441.98	45	2472.70
6	2412.80	26	2443.52	46	2474.24
7	2414.34	27	2445.06	47	2475.78
8	2415.87	28	2446.59	48	2477.31
9	2417.41	29	2448.13		
10	2418.94	30	2449.66		
11	2420.48	31	2451.20		
12	2422.02	32	2452.74		
13	2423.55	33	2454.27		
14	2425.09	34	2455.81		
15	2426.62	35	2457.34		
16	2428.16	36	2458.88		
17	2429.70	37	2460.42		
18	2431.23	38	2461.95		
19	2432.77	39	2463.49		

4.3 Test Operation and Test Software

Setup for testing: Test samples are provided with a USB interface which makes it possible to control them through a test software installed on a notebook computer.

This software was running on the laptop computer connected to the EUT. It was used to enable the operation modes listed as below.

Test Software	XC1607_EMI.bat
---------------	----------------

The samples were used as follows:
A004082465-005

Full test was applied on all test modes, but only worst case was shown.

EUT Configure Mode	Applicable To				Description
	Antenna Port Conducted Measurement	Radiated Spurious Emissions above 1 GHz	Radiated Spurious Emissions below 1 GHz	Mains Conducted Emission	
-	√	√	√	√	-

Note:

1. The EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when position on **X-plane**.
2. "-" means no effect.

Antenna Port Conducted Measurement

- ☒ Pre-Scan full test was applied on all test modes, but only 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 (Mbps)
-	2403.58 to 2477.31	2403.58, 2440.45, 2477.31	-

Radiated Spurious Emissions (Above 1 GHz)

- ☒ Pre-Scan full test was applied on all test modes, but only 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 (Mbps)
-	2403.58 to 2477.31	2403.58, 2440.45, 2477.31	-

Radiated Spurious Emissions (Below 1 GHz)

- ☒ Pre-Scan full test was applied on all test modes, but only 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 (Mbps)
-	2403.58 to 2477.31	2440.45	-

Mains Conducted Emission Test

- ☒ Pre-Scan full test was applied on all test modes, but only 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 (Mbps)
-	2403.58 to 2477.31	2440.45	-

Prüfbericht - Nr.: CN25MQ3J 001
Test Report No.

Seite 14 von 32
Page 14 of 32

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Conducted Measurement	17-18.1 °C	53-65 %	Nick Hsu
Radiated Spurious Emissions above 1 GHz	23.7-25.1 °C	49-53 %	Andy Chen
Radiated Spurious Emissions below 1 GHz	23.7-25.1 °C	49-53 %	Andy Chen
Mains Conducted Emission	24.9 °C	58 %	Roger Liao

4.4 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Accessory of EUT

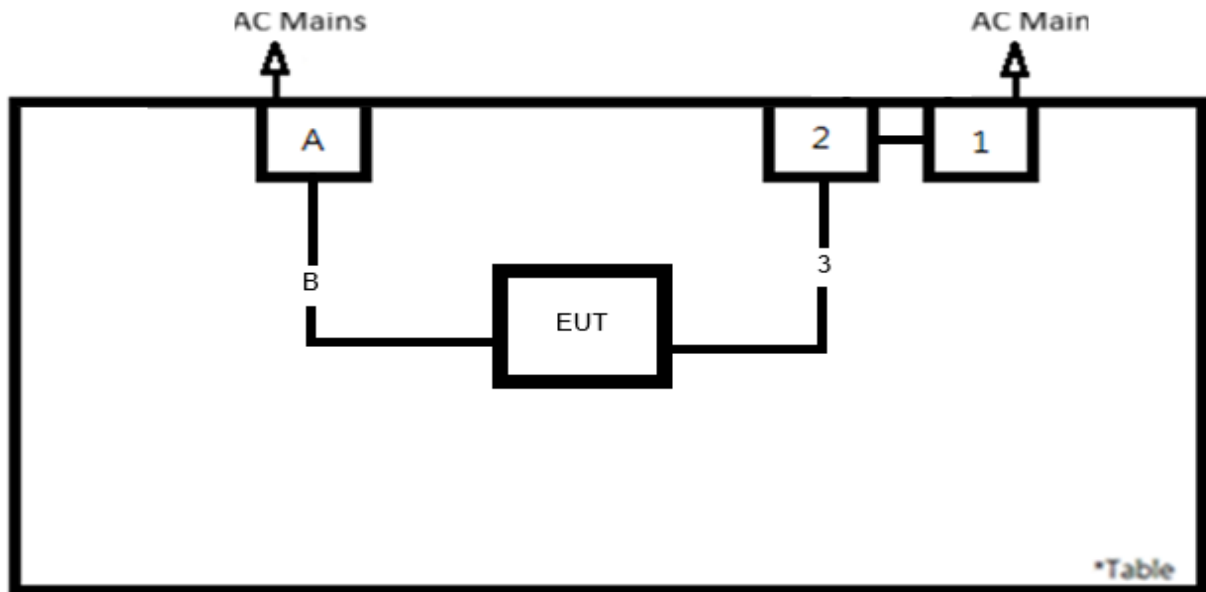
No.	Product	Brand	Model	Description
A	Adapter	Shenzhen Zhong li Power Technology Co.,Ltd.	ZL-005M0501000US01	I/P: 100-240 Vac, 50/60 Hz, 300mA O/P: 5 Vdc, 1000 mA

Support Unit

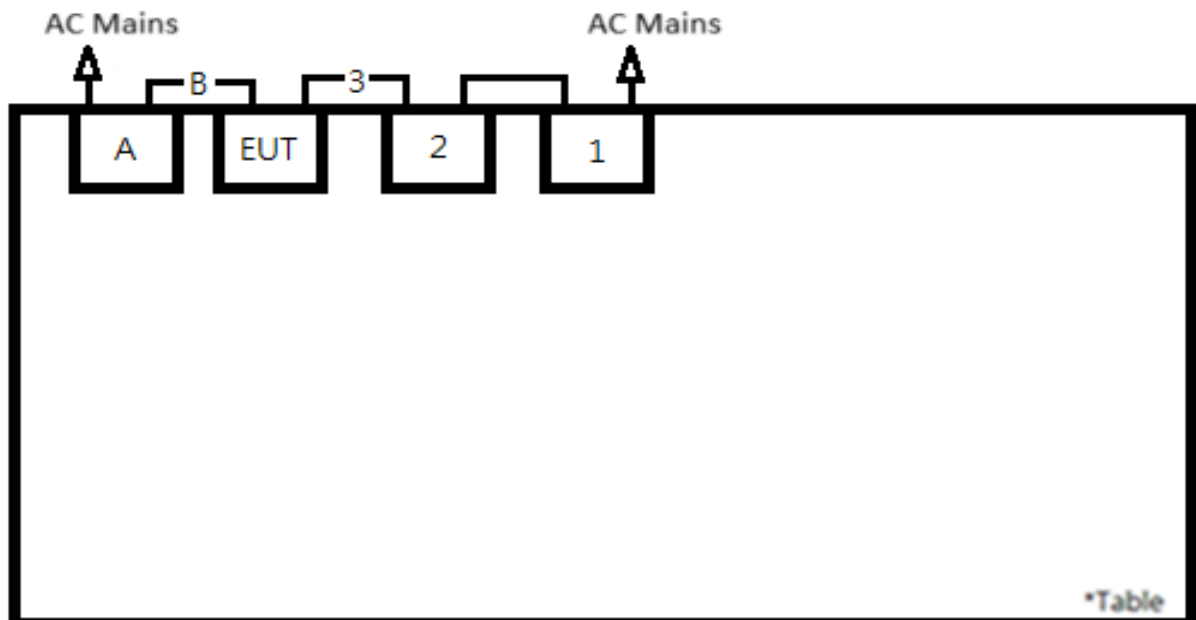
Support Unit								
No	Description	Brand	Model	S/N	Shielded	Ferrite Core (Qty)	Length (cm)	Remark
B	USB Cable	Shenzhen Zhong li Power Technology Co.,Ltd.	ZL-005M0501000US01	-	-	-	200	Radiated and Mains Conducted Test
1	Switching adapter	AMIGO	AMS133-0600250FU	-	-	-	-	
2	Audio Transfer Device	TUV	TUV-01	-	-	-	185	
3	Audio Cable	TUV	TUV-02	-	-	-	94	
-	Notebook	LENOVO	TP00094A	PF-1GT015				Conducted Test
-	USB UL2464 24AMG	Shenzhen Zhong li Power Technology Co.,Ltd.	ZL-005M0501000US01	1	-	-	-	
-	Adapter	Shenzhen Zhong li Power Technology Co.,Ltd.	ZL-005M0501000US01	1	-	-	-	

4.5 Test Setup Diagram

<Radiated Spurious Emissions Mode>

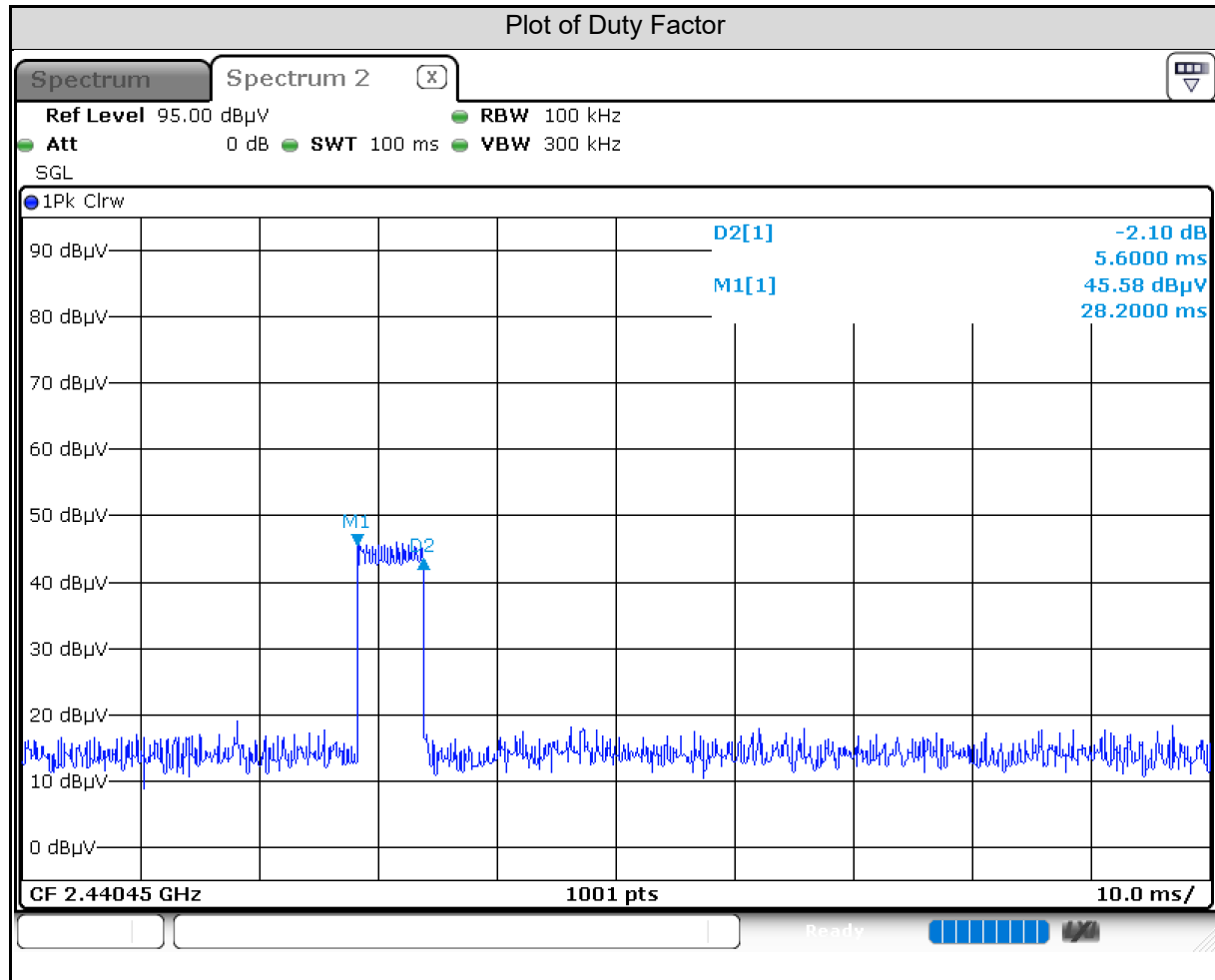


<Mains Conducted Emission Mode>



4.6 Duty Cycle of Test Signal

Duty Cycle Correction Factor = $20 \log(\text{Duty Cycle}) = 20 \log(5.6/100) = -25.04$



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

Requirement Use of approved antennas only

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 3.77 dBi. The antenna is a PCB antenna with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.
Refer to EUT photo for details.

5.1.2 Peak Output Power

Limit

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Power Meter	Anritsu	ML2495A	1901008	2025/2/26	2026/2/25	2025/10/14	2025/11/4
Power Sensor	Anritsu	MA2411B	1725269	2025/2/26	2026/2/25	2025/10/14	2025/11/4

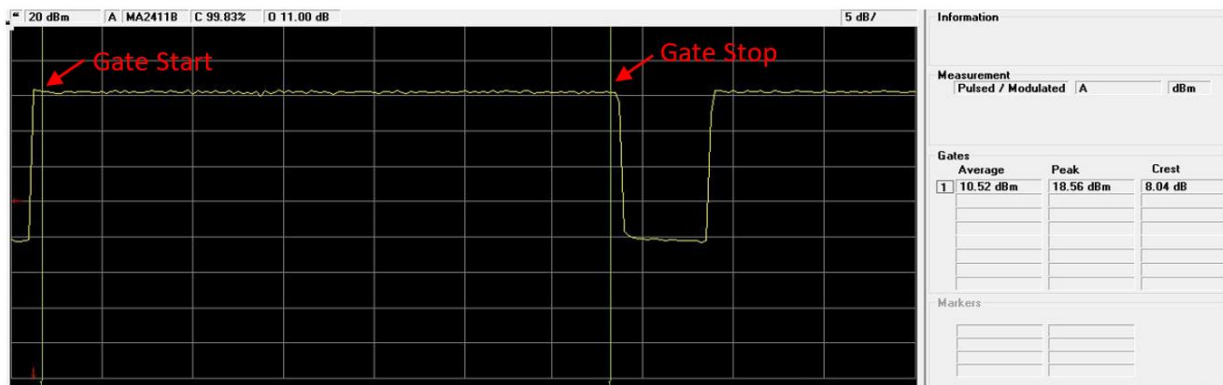
Test Procedures

A peak power sensor was used on the output port of the EUT. A power meter was used to read the response of the peak power sensor. Record the power level.

Average power sensor was used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

Gate Setup:

1. Select the [Gates] tab in the software.
2. Check the box (e.g., Gate 1) to display it on the trace.
3. Set Gate Position
 - Drag the gate line with the mouse to the desired point on the waveform, or
 - Enter Values using the [Set] button and input start/stop times.
4. Switch to the next measurement channel and repeat the same gate setup procedure.
5. The instrument calculates average/peak power only within the defined gate interval.



Test Result**Peak Output Power**

Channel	Channel Frequency	Peak Output Power		Limit
	(MHz)	(dBm)	(mW)	(mW)
Low Channel	2403.58	14.81	30.27	125
Middle Channel	2440.45	15.12	32.51	125
High Channel	2477.31	14.96	31.33	125

Average Power

Channel	Channel Frequency	Average Power	
	(MHz)	(dBm)	(mW)
Low Channel	2403.58	14.79	30.13
Middle Channel	2440.45	15.10	32.36
High Channel	2477.31	14.94	31.19

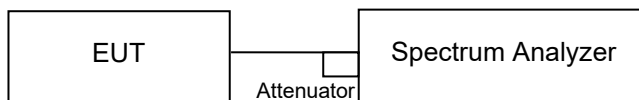
Prüfbericht - Nr.: CN25MQ3J 001
Test Report No.

Seite 21 von 32
Page 21 of 32

5.1.3 20 dB Bandwidth and 99% Occupied Bandwidth

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2025/02/26	2026/02/25	2025/10/14	2025/11/4

Test Procedure

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- Measure the frequency difference of two frequencies that were attenuated 20 dB from the reference level. Record the frequency difference as the emission bandwidth.
- Repeat above procedures until all frequencies measured were complete.
- 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.

Test Results

Please refer to Appendix A.

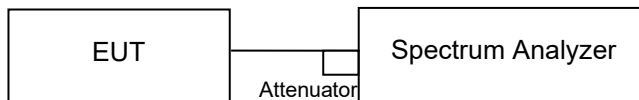
5.1.4 Conducted Spurious Emissions and Frequency Band Edges Measured in 100kHz Bandwidth

Limit

20dB (below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.)

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2025/02/26	2026/02/25	2025/10/14	2025/11/4

Test Procedure

The transmitter output was connected to the spectrum analyzer via a low lose cable. Set both RBW and VBW of spectrum analyzer to 100 kHz and 300 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

Test Results

Please refer to Appendix A.

5.1.5 Radiated Spurious Emissions and Band Edges

Limit

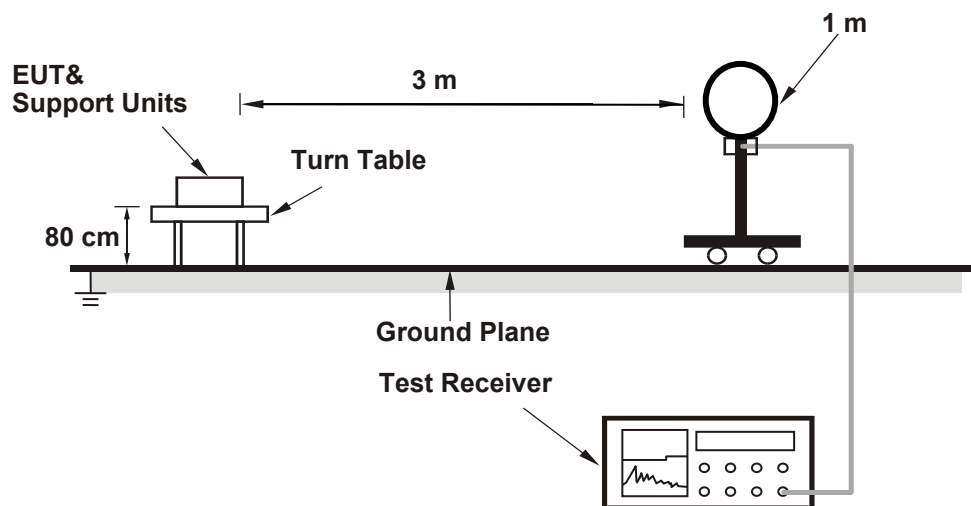
Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a).

Emissions radiated outside the restricted and authorized frequency bands must either comply with the radiated emission limits specified for the restricted bands or in §15.247(d).

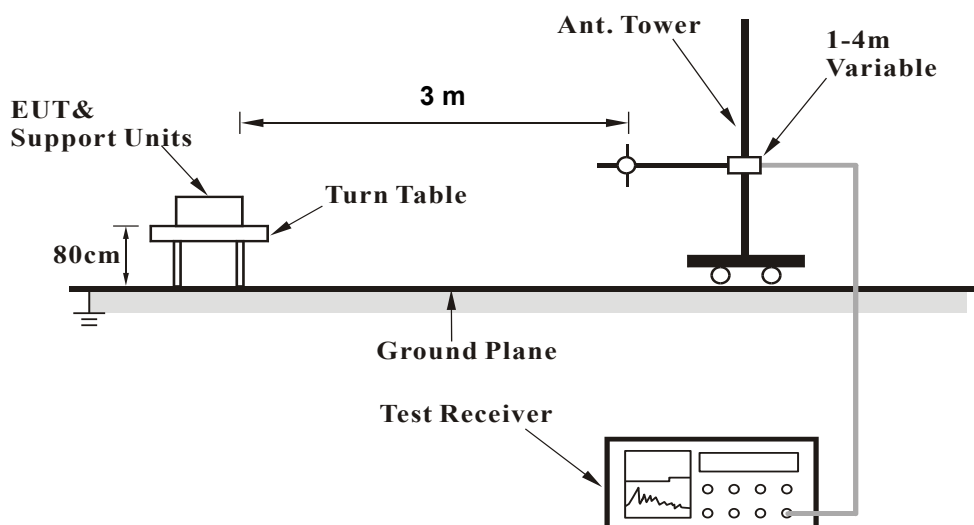
Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup

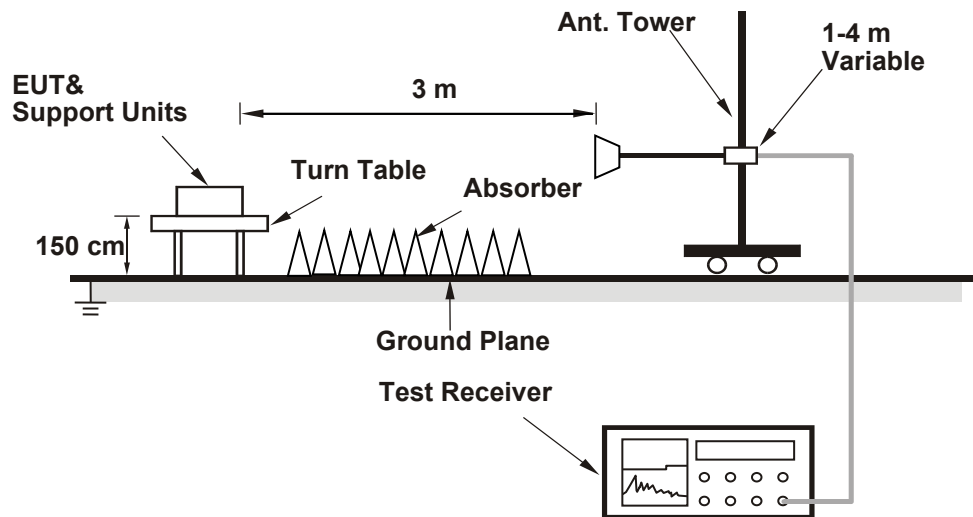
<Radiated Emissions below 30 MHz>



<Radiated Emissions 30 MHz to 1 GHz>



<Radiated Emissions above 1 GHz>



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

Prüfbericht - Nr.: CN25MQ3J 001
Test Report No.

Seite 25 von 32
Page 25 of 32

Test Instruments

Test Date: 2025/10/30 ~ 2026/01/12

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Above 1 GHz					
Signal Analyzer	R&S	FSV40	101509	2025/02/13	2026/02/12
Horn Antenna	ETS-Lindgren	3117	00218929	2025/01/15	2026/01/14
Horn Antenna	SCHWARZBECK	BBHA 9170	00890	2025/04/30	2026/04/29
HF-AMP + AC source	EMCI	EMC051845SE	980635	2025/01/15	2026/01/14
HF-AMP + AC source	EMCI	EMC184045SE	980656	2025/04/30	2026/04/29
Test Software	Audix E3	15914a_20191106 tuv	PK-001087	N/A	N/A
Receiver	R&S	ESR7	102109	2025/05/15	2026/05/14
Bilog Antenna	SCHWARZBECK	VULB-9168	00951	2025/04/08	2026/04/07
LF-AMP	HP	8447D	2727A05146	2025/04/30	2026/04/29
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2025/05/09	2026/05/08
Microwave Cable	HUBER+SUHNER	SUCOFLEX 104	MY37203/4	2025/06/06	2026/06/05
Microwave Cable	HUBER+SUHNER	SUCOFLEX 102EA	800897/2EA	2025/06/06	2026/06/05
Microwave Cable	HUBER+SUHNER	SUCOFLEX 102EA	800902/2EA	2025/06/06	2026/06/05
Microwave Cable	HUBER+SUHNER	SUCOFLEX 102EA	801026/2EA	2025/07/05	2026/07/04
3G High Pass Filter	EMCI	HPF3180	G001	2025/01/15	2026/01/14
30MHz – 1 GHz					
Receiver	R&S	ESR7	102108	2025/7/2	2026/7/1
Bilog Antenna	SCHWARZBECK	VULB-9170	00890	2025/4/30	2026/4/29
LF-AMP	Agilent	8447D	2727A05146	2025/1/15	2026/1/14
Test Software	Audix E3	15914a_20191106 tuv	PK-001087	N/A	N/A
Below 30 MHz					
Receiver	R&S	ESR7	102108	2025/7/3	2026/7/2
Loop Antenna	SCHWARZBECK	FMZB 1513	1513-076	2025/2/18	2026/2/17
Test Software	Audix E3	15914a_20191106 tuv	PK-001087	N/A	N/A

Test Procedures**For Radiated Emissions below 30 MHz**

- a. 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.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel (OPEN), perpendicular (CLOSE), and ground-parallel (GROUND) orientations of the antenna are set to make the measurement.
- d. 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.
- e. 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

- a. 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.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. 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.
- f. 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 ≥ 98 %) for Average detection (AV) at frequency above 1 GHz.
4. For fundamental frequency: The average value is "Average = Peak value + 20log(Duty cycle)
Where the duty factor is calculated from following formula.:
 $20\log(\text{Duty cycle}) = 20\log(\text{dwell time} / 100\text{ms})$
5. All modes of operation were investigated and the worst-case emissions are reported.
6. The Radiated Emissions testing was performed in the X(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.

Prüfbericht - Nr.: **CN25MQ3J 001**
Test Report No.

Seite 27 von 32
Page 27 of 32

7. The emission levels of other frequencies (including the 10th harmonic of the highest fundamental frequency) are very lower than the limit and are not shown in the test report.

Test Results

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

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

Please refer to Appendix B.

Prüfbericht - Nr.: CN25MQ3J 001
Test Report No.

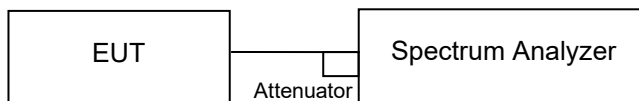
Seite 28 von 32
 Page 28 of 32

5.1.6 Hopping Channel Separation

Limit ≥ 25 kHz or 2/3 of 20 dB bandwidth, whichever is greater

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2025/02/26	2026/02/25	2025/10/14	2025/11/4

Test Procedure

Measurement Procedure REF

- Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range.
- By using the MaxHold function record the separation of two adjacent channels.
- Measure the frequency difference of these two adjacent channels by SA MARK function. And then plot the result on SA screen.
- Repeat above procedures until all frequencies measured were complete.

Test Results

Please refer to Appendix A.

Prüfbericht - Nr.: CN25MQ3J 001
Test Report No.

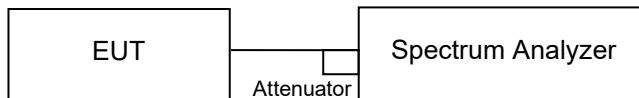
Seite 29 von 32
Page 29 of 32

5.1.7 Number of Hopping Frequency

Limit ≥ 15 non-overlapping channels

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2025/02/26	2026/02/25	2025/10/14	2025/11/4

Test Procedure

- Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- Set the SA on MaxHold Mode, and then keep the EUT in hopping mode. Record all the signals from each channel until each one has been recorded.
- Set the SA on View mode and then plot the result on SA screen.
- Repeat above procedures until all frequencies measured were complete.

Test Results

Please refer to Appendix A.

Prüfbericht - Nr.: CN25MQ3J 001
Test Report No.

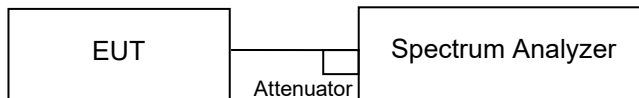
Seite 30 von 32
 Page 30 of 32

5.1.8 Dwell Time

Limit 0.4s

Kind of Test Site Shielded room

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	R&S	FSV	101512	2025/02/26	2026/02/25	2025/10/14	2025/11/4

Test Procedures

- Check the calibration of the measuring instrument (SA) using either an internal calibrator or a known signal from an external generator.
- Turn on the EUT and connect its antenna terminal to measurement via a low loss cable. Then set it to any one measured frequency within its operating range and make sure the instrument is operated in its linear range.
- Adjust the center frequency of SA on any frequency be measured and set SA to zero span mode. And then, set RBW and VBW of spectrum analyzer to proper value.
- Measure the time duration of one transmission on the measured frequency. And then plot the result with time difference of this time duration.
- Repeat above procedures until all different time-slot modes have been completed.

Test Results

Please refer to Appendix A.

5.2 Mains Emission

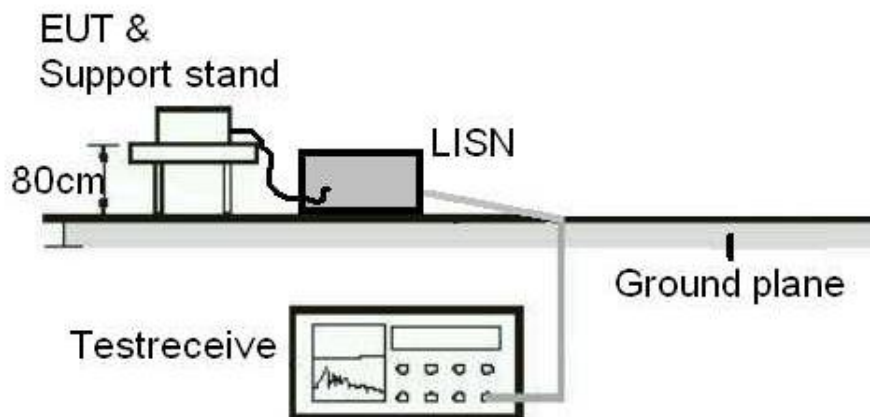
5.2.1 Mains Conducted Emission

Limit

Mains Conducted Emission as defined in §15.207 must comply with the mains conducted emission limits.

Kind of Test Site Shielded room

Test Setup



Test Instruments

Test Date: 2026/1/12

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Two-Line V-Network	Rohde & Schwarz	ENV216	101243	2025/8/6	2026/8/5
EMI Test Receiver	R&S	ESCI	101094	2025/11/19	2026/11/18
Test Software	Audix E3	15914a_20191106 tuv	PK-001087	N/A	N/A

Test Procedures

- a. 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 uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. 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.

Test Results

Please refer to Appendix B.

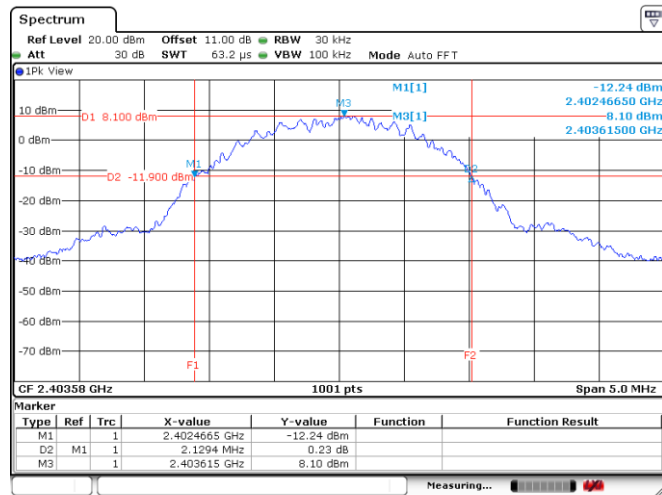
Appendix A: Test Results of Conducted Test

Test Result of 20 dB Bandwidth

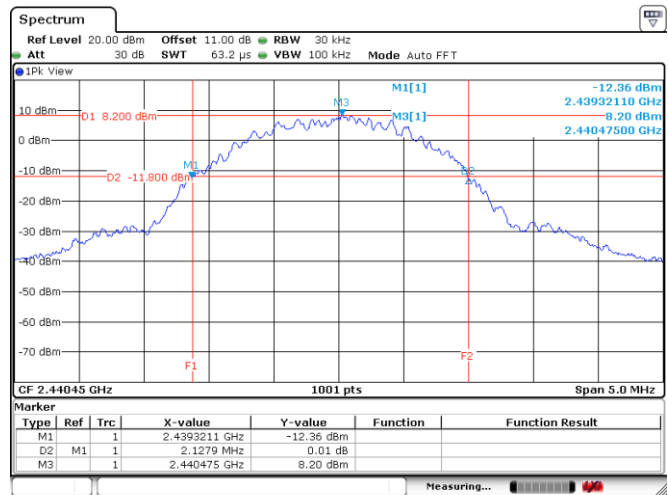
SRD

Channel	Channel Frequency (MHz)	20 dB Bandwidth (kHz)
Low Channel	2403.58	2129.40
Middle Channel	2440.45	2127.90
High Channel	2477.31	2202.80

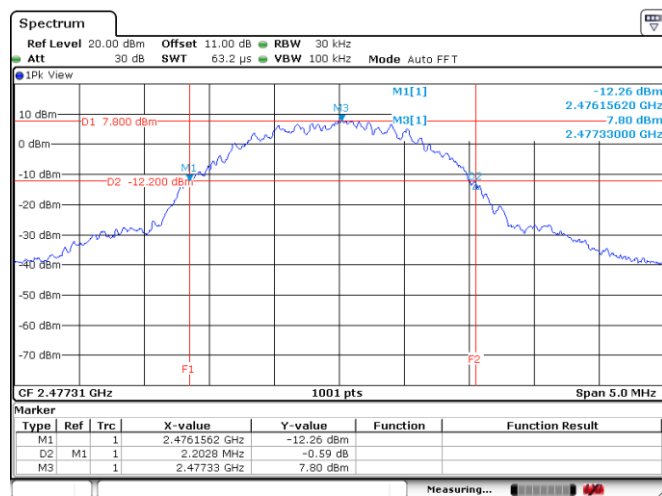
Low Channel



Middle Channel



High Channel

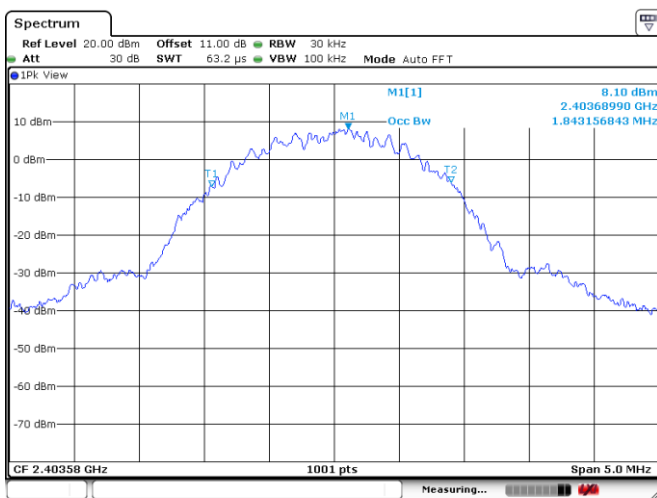


Test Result of 99% Occupied Bandwidth

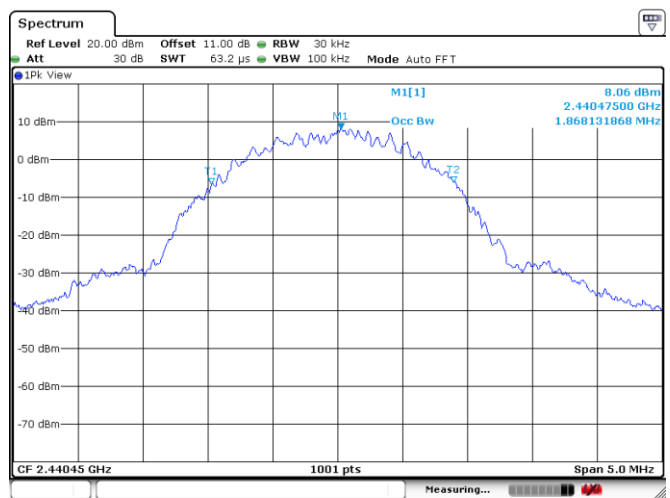
SRD

Channel	Channel Frequency (MHz)	99% Bandwidth (kHz)
Low Channel	2403.58	1843.16
Middle Channel	2440.45	1868.13
High Channel	2477.31	1883.12

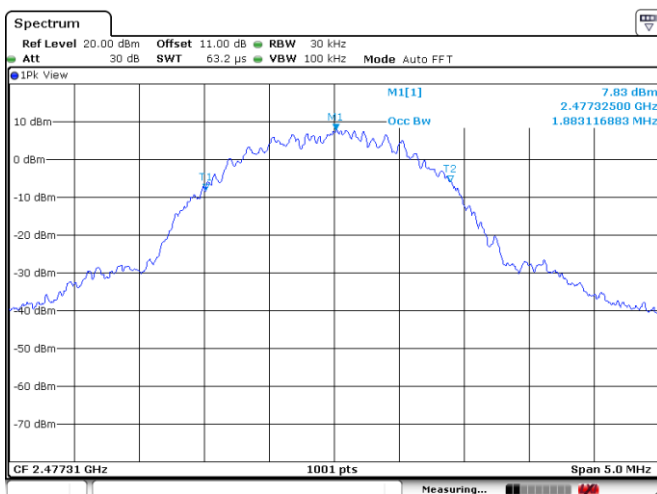
Low Channel



Middle Channel



High Channel

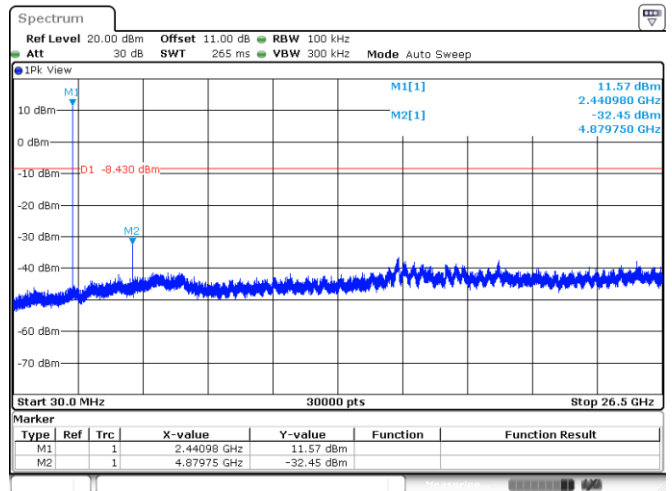
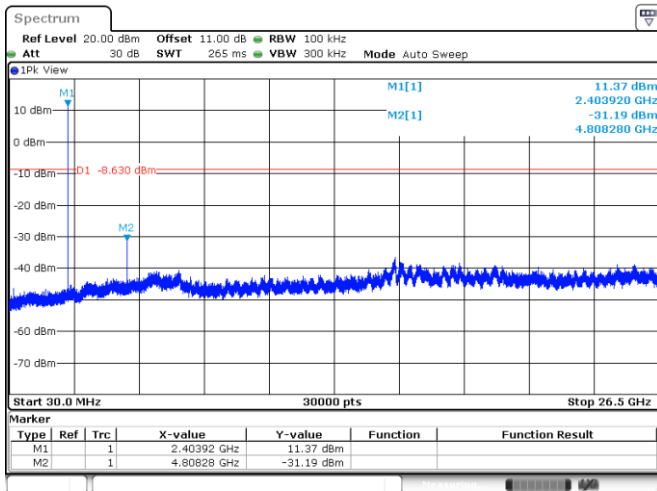


Test Result of Conducted Spurious Emissions, Tx Mode

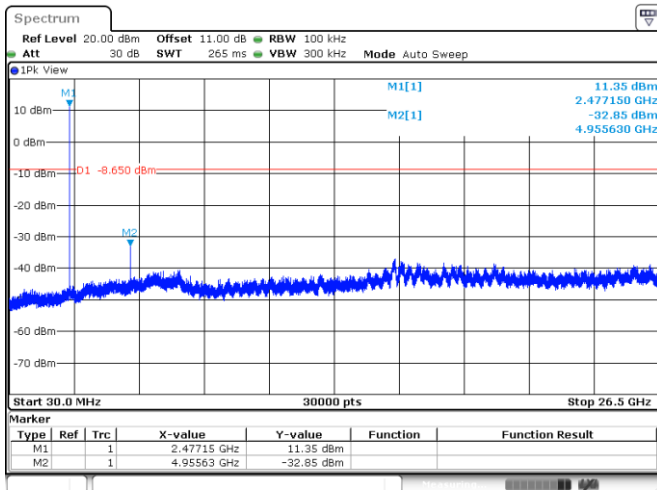
SRD

Low Channel

Middle Channel

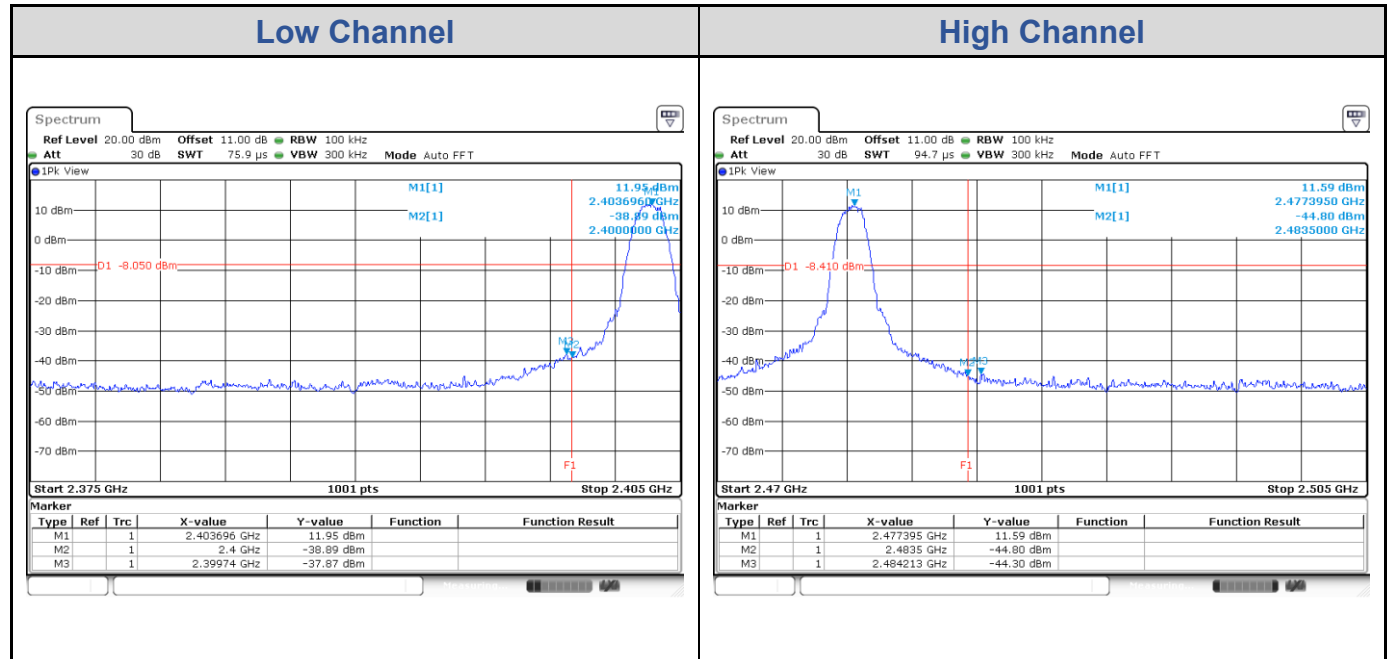


High Channel



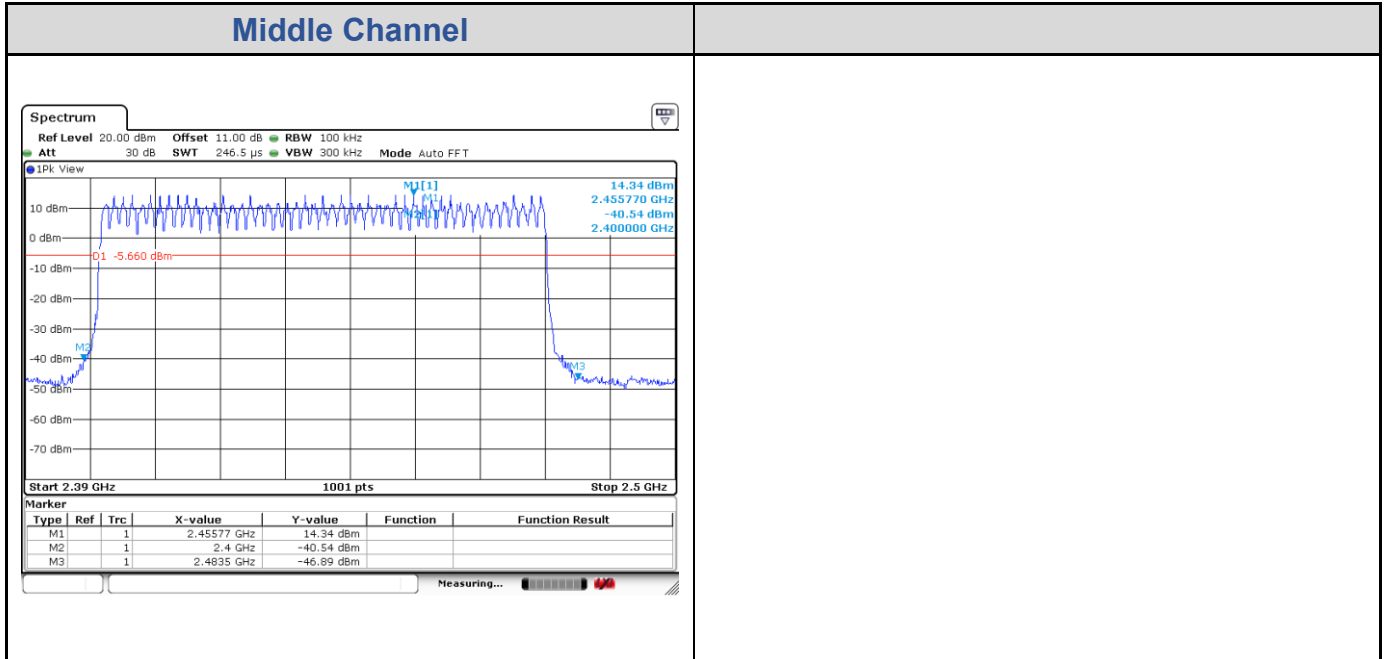
Test Result of Conducted Band Edge, Tx Mode

SRD



Test Result of Hopping Band Edge

SRD

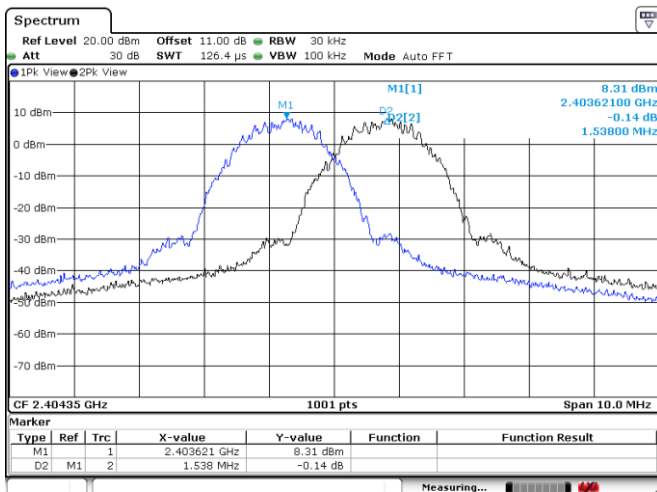


Test Result of Hopping Channel Separation

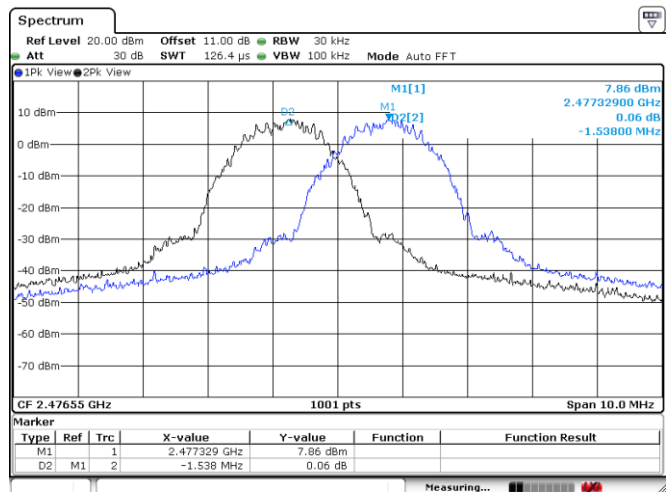
SRD

Channel	Channel Frequency (MHz)	Adjacent Channel Separation (MHz)	20 dB Bandwidth (kHz)	Minimum Limit (MHz)	Result
0	2403.58	1.54	2129.40	1.420	Pass
24	2440.45	1.54	2127.90	1.419	Pass
48	2477.31	1.54	2202.80	1.469	Pass

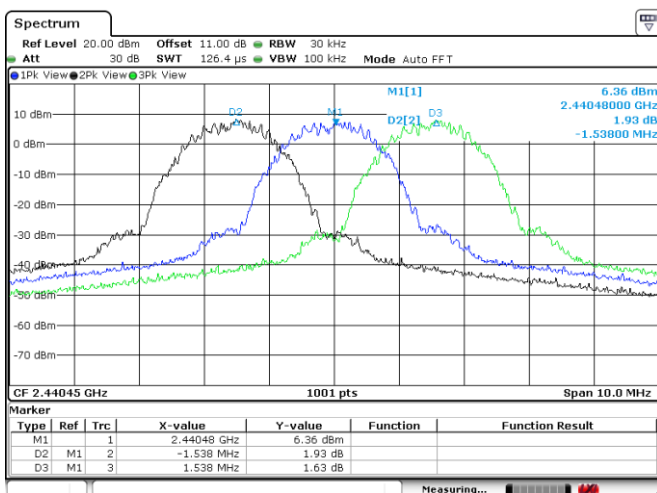
Low Channel



Middle Channel

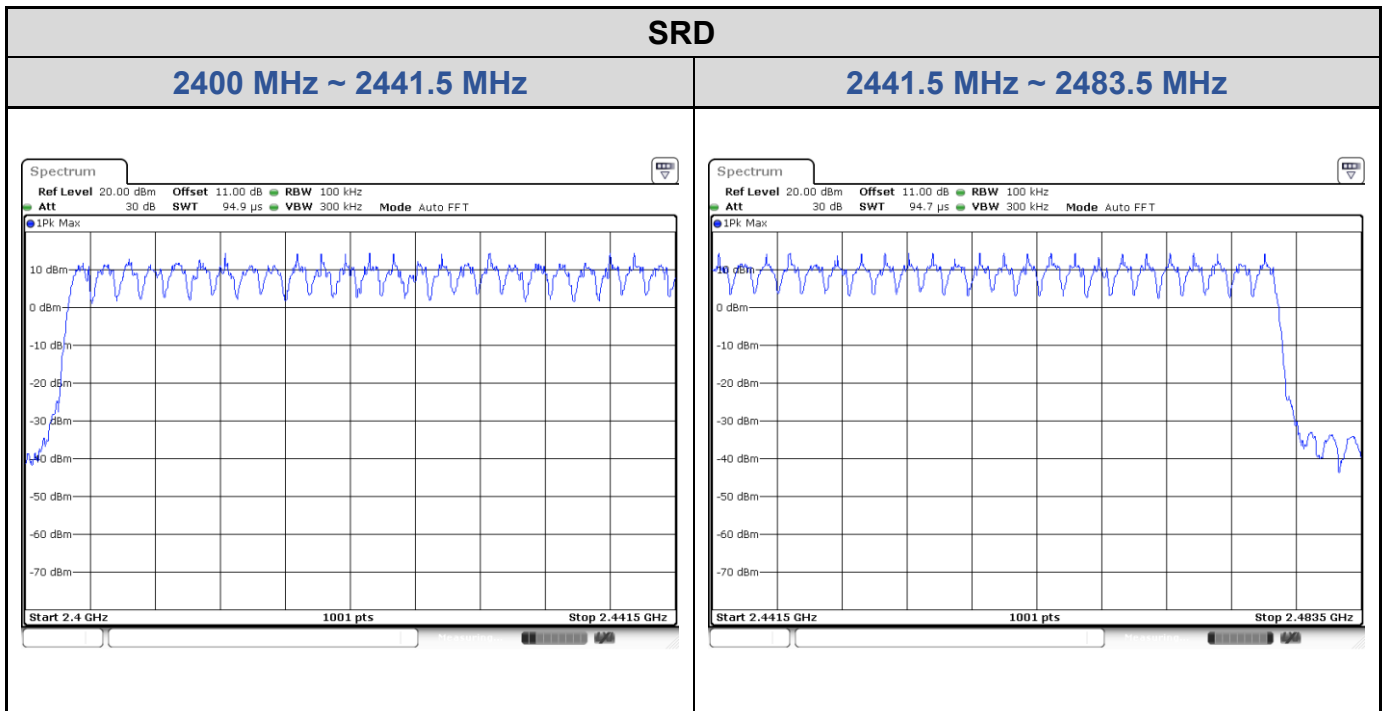


High Channel



Test Result of Number of Hopping Frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	49	≥15	Pass

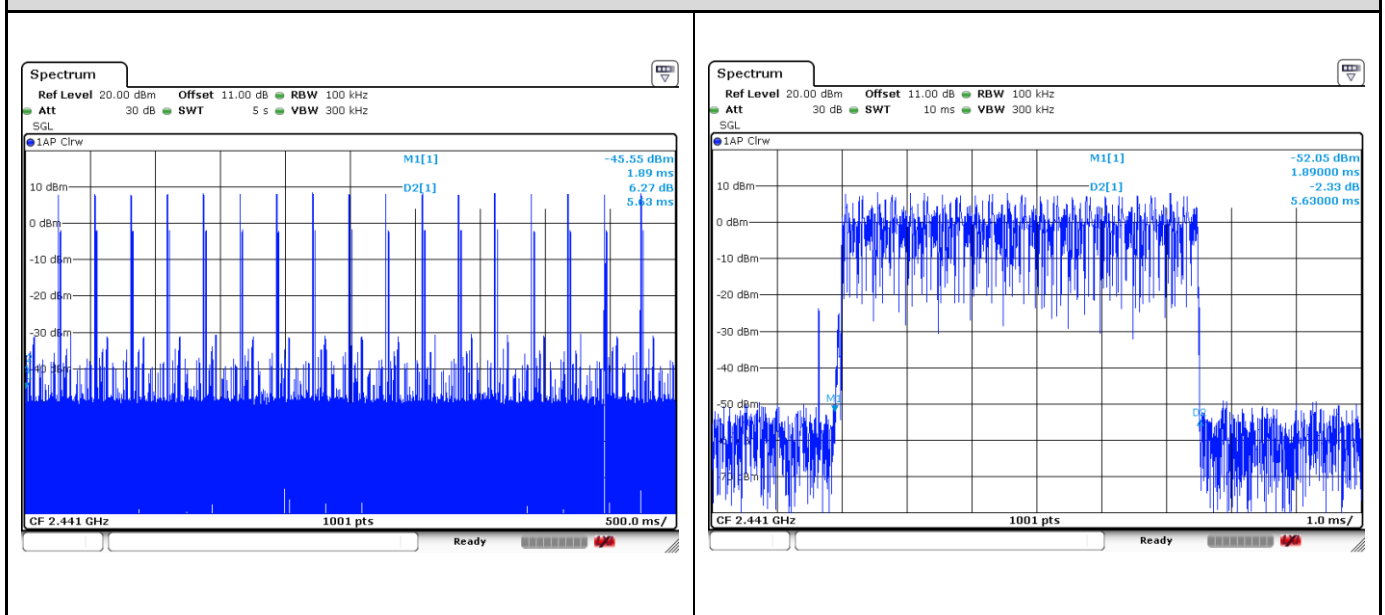


Test Result of Dwell Time

SRD

Data Mode	Number of transfer in a 19.6 (49 Hopping*0.4s)	Package transfer time (msec)	Dwell time (s)	Limit (s)	Result
SRD	17 (times / 5 sec) * 3.92 = 66.64 times	5.63	0.38	0.4	Pass

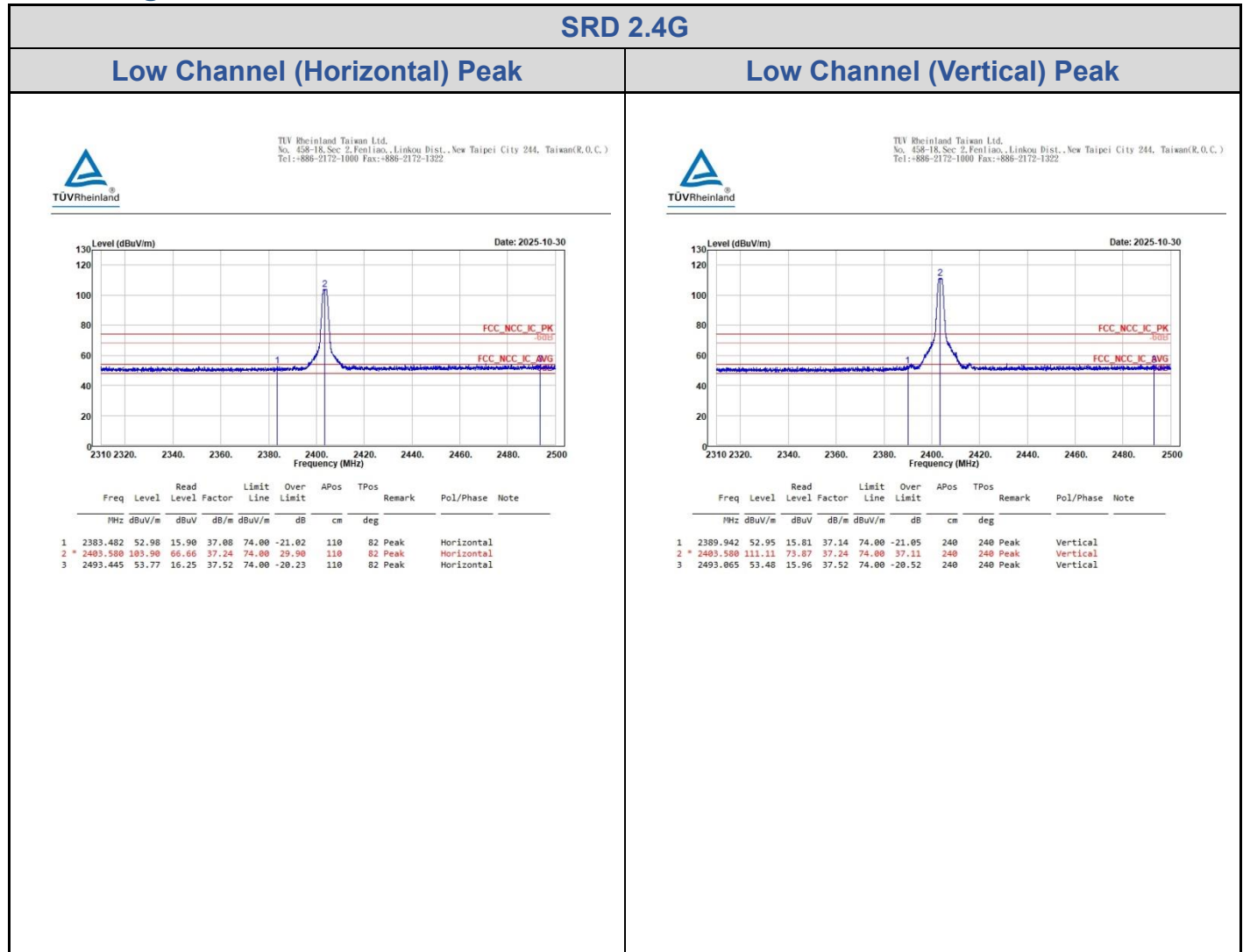
1DH5



Appendix B: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

Band Edges, 2.31GHz ~ 2.5GHz

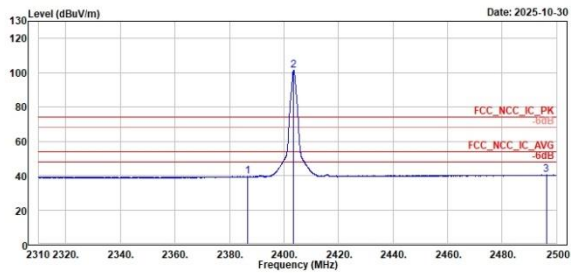


SRD 2.4G

Low Channel (Horizontal) Average



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

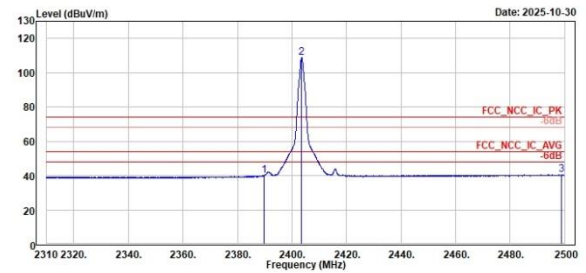


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2386.665	39.39	2.28	37.11	54.00	-14.61	110	82	Average	Horizontal		
2	2400.500	101.53	64.29	37.24	54.00	47.53	110	82	Average	Horizontal		
3	2496.200	40.41	2.89	37.52	54.00	-13.59	110	82	Average	Horizontal		

Low Channel (Vertical) Average



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



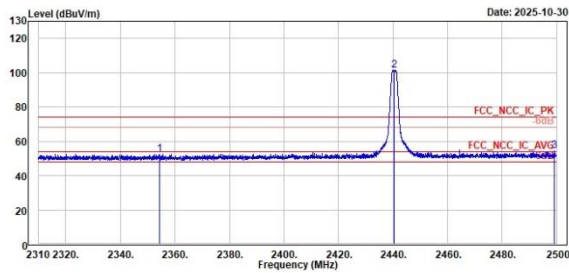
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.847	40.10	2.96	37.14	54.00	-13.90	240	240	Average	Vertical		
2	2400.500	100.74	71.50	37.24	54.00	54.74	240	240	Average	Vertical		
3	2498.765	40.35	2.83	37.52	54.00	-13.65	240	240	Average	Vertical		

SRD 2.4G

Middle Channel (Horizontal) Peak



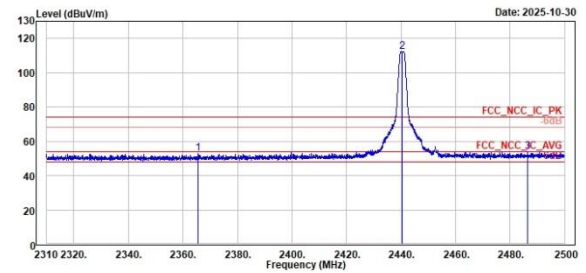
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Middle Channel (Vertical) Peak



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

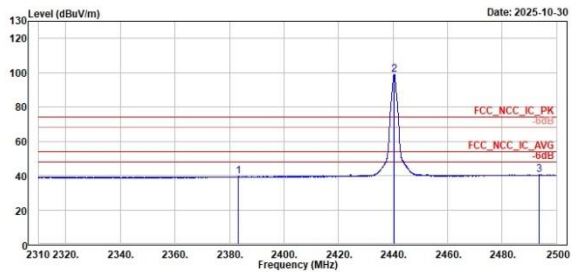


SRD 2.4G

Middle Channel (Horizontal) Average



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

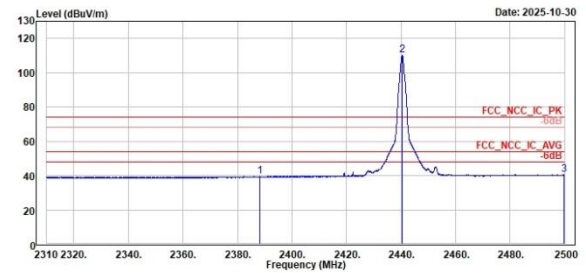


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2383.348	39.43	2.35	37.08	54.00	-14.57	395	215	Average	Horizontal		
2 * 2440.450	99.09	61.66	37.43	54.00	45.09	395	215	Average	Horizontal		
3 2493.683	40.43	2.91	37.52	54.00	-13.57	395	215	Average	Horizontal		

Middle Channel (Vertical) Average



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



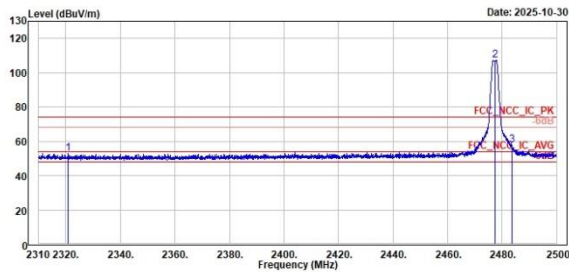
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2388.280	39.39	2.26	37.13	54.00	-14.61	236	314	Average	Vertical		
2 * 2440.450	110.01	72.58	37.43	54.00	56.01	236	314	Average	Vertical		
3 2499.857	40.40	2.88	37.52	54.00	-13.60	236	314	Average	Vertical		

SRD 2.4G

High Channel (Horizontal) Peak



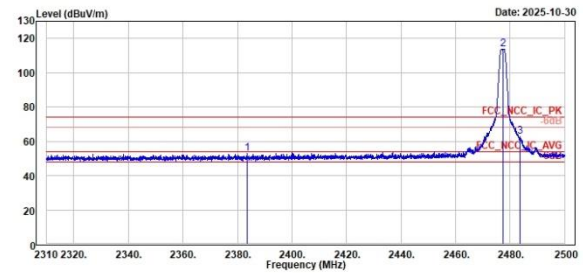
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2320.925	52.91	16.22	36.69	74.00	-21.09	300	268	Peak	Horizontal	
2	2477.310	107.05	69.55	37.50	74.00	33.05	300	268	Peak	Horizontal	
3	2483.613	57.99	20.48	37.51	74.00	-16.01	300	268	Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



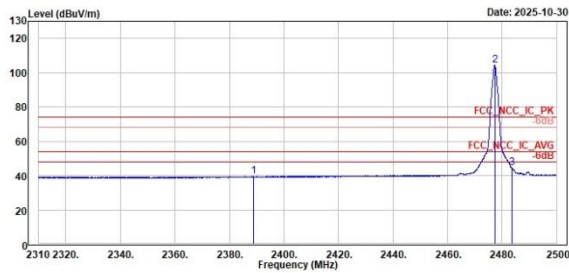
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2383.435	52.87	15.79	37.08	74.00	-21.13	266	314	Peak	Vertical	
2	2477.310	113.83	76.33	37.50	74.00	39.83	266	314	Peak	Vertical	
3	2483.755	62.66	25.15	37.51	74.00	-11.34	266	314	Peak	Vertical	

SRD 2.4G

High Channel (Horizontal) Average



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

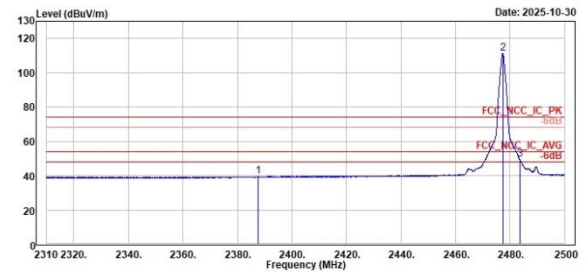


Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2388.858	39.46	2.33	37.13	54.00	-14.54	300	268	Average	Horizontal		
2 * 2477.310	104.54	67.04	37.50	54.00	50.54	300	268	Average	Horizontal		
3 2483.470	44.43	6.92	37.51	54.00	-9.57	300	268	Average	Horizontal		

High Channel (Vertical) Average



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1 2387.663	39.38	2.26	37.12	54.00	-14.62	266	314	Average	Vertical		
2 * 2477.310	111.29	73.79	37.50	54.00	57.29	266	314	Average	Vertical		
3 2483.470	49.29	11.78	37.51	54.00	-4.71	266	314	Average	Vertical		

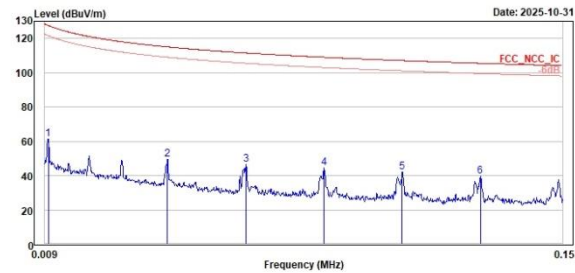
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

SRD 2.4G

Middle Channel (Open) 9kHz~150kHz



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

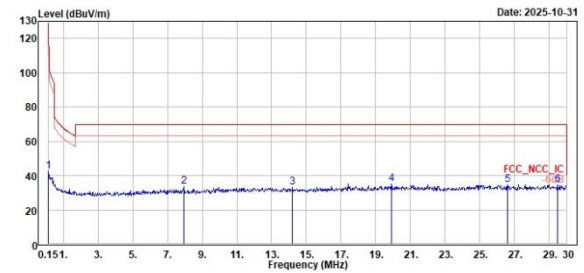


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.018	61.41	43.30	18.11	127.60	-66.19	100	134	Peak	Open		
2	0.042	49.20	30.19	19.01	115.04	-65.84	100	276	Peak	Open		
3	0.064	46.24	28.09	18.15	111.49	-65.25	100	276	Peak	Open		
4	0.085	44.34	26.22	18.12	108.99	-64.65	100	281	Peak	Open		
5	0.106	42.10	24.03	18.07	107.07	-64.97	100	248	Peak	Open		
6	0.128	39.67	21.47	18.20	105.48	-65.81	100	248	Peak	Open		

Middle Channel (Open) 150kHz~30MHz



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.150	42.52	24.19	18.33	104.80	-61.56	100	360	Peak	Open		
2	7.971	33.45	12.76	20.69	69.50	-36.05	100	94	Peak	Open		
3	14.209	33.27	11.84	21.43	69.50	-36.23	100	171	Peak	Open		
4	19.911	35.23	12.56	22.67	69.50	-34.27	100	269	Peak	Open		
5	26.597	34.58	11.83	22.75	69.50	-34.92	100	288	Peak	Open		
6	29.463	34.72	11.67	23.05	69.50	-34.78	100	171	Peak	Open		

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

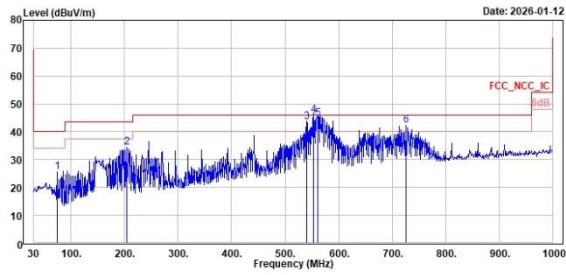
SRD 2.4G

Middle Channel (Horizontal)

Middle Channel (Vertical)



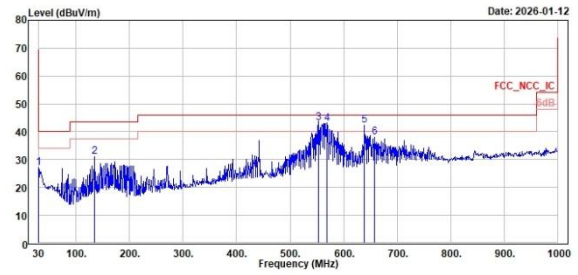
TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	73.650	25.59	36.27	-10.68	40.00	-14.41	300	213 Peak	Horizontal	
2	203.630	34.30	43.97	-9.67	43.50	-9.20	200	151 Peak	Horizontal	
3	540.220	43.51	44.80	-1.29	46.00	-2.49	200	100 QP	Horizontal	
4	552.830	45.92	47.06	-1.14	46.00	-0.08	200	106 QP	Horizontal	
5	560.590	44.69	45.70	-1.01	46.00	-1.31	200	97 QP	Horizontal	
6	725.490	42.25	40.15	2.10	46.00	-3.75	100	114 Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.
No. 438-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	27.02	35.79	-8.77	40.00	-12.98	200	132 Peak	Vertical	
2	134.760	30.94	39.34	-8.40	43.50	-12.56	100	327 Peak	Vertical	
3	552.830	43.07	44.21	-1.14	46.00	-2.93	100	130 QP	Vertical	
4	568.350	43.04	43.80	-0.76	46.00	-2.96	100	149 QP	Vertical	
5	639.160	42.34	41.90	0.44	46.00	-3.66	100	137 QP	Vertical	
6	657.590	38.12	37.29	0.83	46.00	-7.88	100	138 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

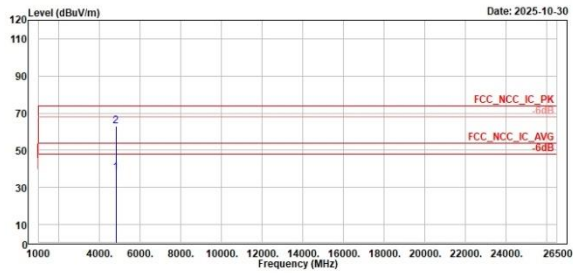
SRD 2.4G

Low Channel (Horizontal)

Low Channel (Vertical)



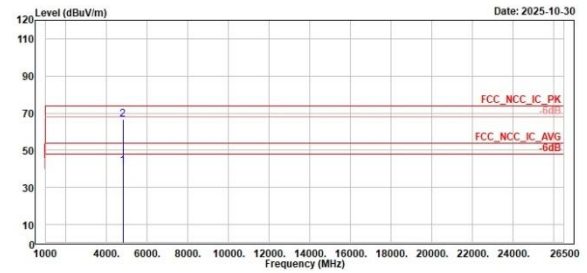
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4887.160	37.84	48.59	-10.75	54.00	-16.16	339	264 Average	Horizontal	CF
2	4887.160	62.88	73.63	-10.75	74.00	-11.12	339	264 Peak	Horizontal	



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4887.160	41.73	52.48	-10.75	54.00	-12.27	180	332 Average	Vertical	CF
2	4887.160	66.77	77.52	-10.75	74.00	-7.23	180	332 Peak	Vertical	

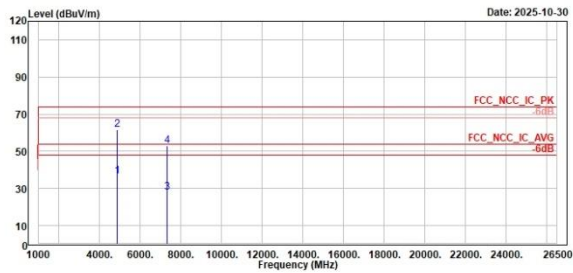
SRD 2.4G

Middle Channel (Horizontal)

Middle Channel (Vertical)



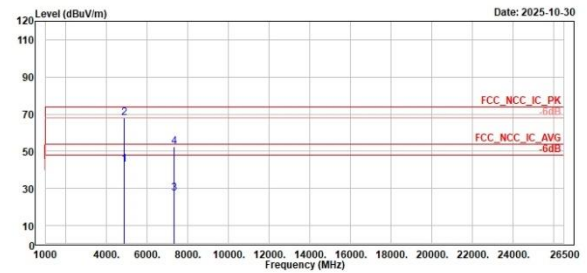
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.900	36.52	47.00	-10.56	54.00	-17.48	396	303	Average	Horizontal	CF	
2	4880.900	61.56	72.12	-10.56	74.00	-12.44	396	303	Peak	Horizontal		
3	7321.350	27.75	36.50	-8.75	54.00	-26.25	100	294	Average	Horizontal	CF	
4	7321.350	52.79	61.54	-8.75	74.00	-21.21	100	294	Peak	Horizontal		



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



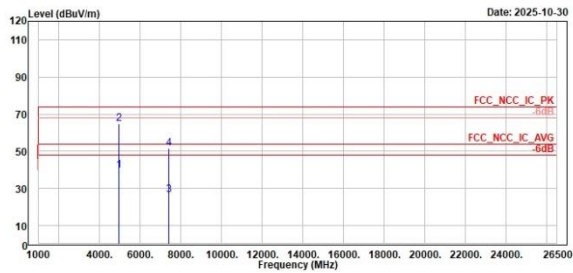
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4880.900	42.85	53.41	-10.56	54.00	-11.15	182	331	Average	Vertical	CF	
2	4880.900	67.89	78.45	-10.56	74.00	-6.11	182	331	Peak	Vertical		
3	7321.350	27.41	36.16	-8.75	54.00	-26.59	101	112	Average	Vertical	CF	
4	7321.350	52.45	61.20	-8.75	74.00	-21.55	101	112	Peak	Vertical		

SRD 2.4G

High Channel (Horizontal)



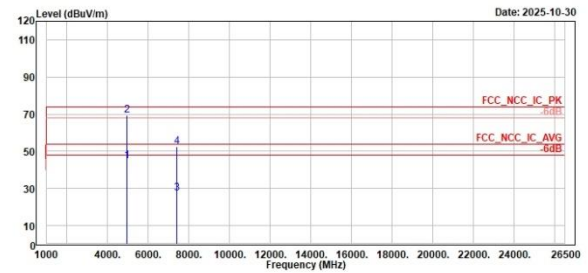
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



High Channel (Vertical)



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



Mains Conducted Emission, 150kHz ~ 30MHz

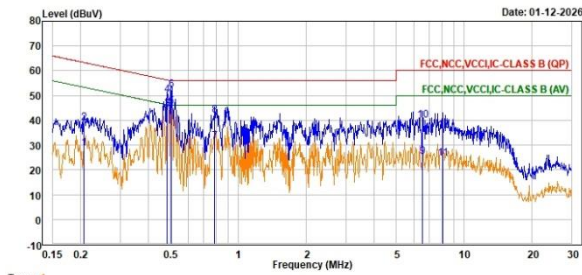
Worst Band

(Line)

(Neutral)



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenliao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322

