

Prüfbericht-Nr.: <i>Test report no.:</i>	CN25PO83 001	Auftrags-Nr.: <i>Order no.:</i>	48254698	Seite 1 von 24 Page 1 of 24
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-11-19	
Auftraggeber: <i>Client:</i>	Acer Incorporated 8F, 88, Sec. 1, Xintai 5th Rd. Xizhi, New Taipei City 221 Taiwan			
Prüfgegenstand: <i>Test item:</i>	Wi-Fi 7 USB Adapter			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	D7			
Auftrags-Inhalt: <i>Order content:</i>	FCC Part 15C Test report (WiFi 2.4GHz)			
Prüfgrundlage: <i>Test specification:</i>	FCC 47CFR Part 15: Subpart C Section 15.247			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-01-23			
Prüfmuster-Nr.: <i>Test sample no:</i>	A003917356-004			
Prüfzeitraum: <i>Testing period:</i>	2025-02-12 - 2025-04-18			
Ort der Prüfung: <i>Place of testing:</i>	EMC/RF Taipei Testing Site			
Prüflaboratorium: <i>Testing laboratory:</i>	Taipei Testing Laboratories			
Prüfergebnis*: <i>Test result*:</i>	Pass			
überprüft von: <i>compiled by:</i>	genehmigt von: <i>authorized by:</i>			
Datum: <i>Date:</i>	2025-05-06	Ausstellungsdatum: <i>Issue date:</i>	2025-05-06	
Stellung / Position:	Project Manager	Stellung / Position:	Senior Project Manager	
Sonstiges / Other:	This report (CIIPC) is supplementary of report no.: CN25C7OT 001 to change the product name, model name, appearance of EUT, cradle, and antenna gain. Only radiated spurious emissions and mains conducted emission tests were verified.			
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 P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable
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>				

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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.
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> |
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| 3 | <p>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben.
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.
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
-	15.247(b)(3)	Peak Output Power	Note 1
-	15.247(a)(2)	6 dB Bandwidth	Note 1
-	2.1049	99% Occupied Bandwidth	Note 1
-	15.247(e)	Power Spectral Density	Note 1
-	15.247(d)	Conducted Spurious Emissions and Band Edges	Note 1
5.1.2	15.247(d) & 15.205 & 15.209	Radiated Spurious Emissions and Band Edges	Pass
5.2.1	15.207	Mains Conducted Emission	Pass

Note:

1. Refer to original report.
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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

APPENDIX SP - PHOTOGRAPHS OF TEST SETUP

APPENDIX EP - PHOTOGRAPHS OF EUT

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HISTORY OF THIS TEST REPORT

Revision	Description	Date Issued
R01	Original Release	2025-05-06

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 Radiated Emissions & Mains Conducted Emission

Appendix SP - Photographs of 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 C63.10:2013
KDB 558074 D01 15.247 Meas Guidance v05r02
KDB 662911 D01 Multiple Transmitter Output v02r01

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

Taipei Testing Laboratories

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

2.2 Test Facility

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 Wi-Fi 7 USB Adapter. It contains a WLAN 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	Wi-Fi 7 USB Adapter
Type Identification	D7
FCC ID	HLZD7

Technical Specification of EUT

Item	EUT information
Operating Frequency	2412 MHz ~ 2462 MHz
Channel Number	802.11b/g/n/ac/ax/be HT20/VHT20/HE20/EHT20: 11 802.11n/ac/ax/be HT40/VHT40/HE40/EHT40: 7
Data Rate	802.11b: 11.0 / 5.5 / 2.0 / 1.0 Mbps 802.11g: 54.0 / 48.0 / 36.0 / 24.0 / 18.0 / 12.0 / 9.0 / 6.0 Mbps 802.11n: up to MCS7 802.11ac: up to MCS9 802.11ax: up to MCS11 802.11be: up to MCS13
Operation Voltage	5 Vdc
Modulation	DSSS (DBPSK, DQPSK, CCK) OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) OFDMA (1024QAM, 4096QAM)
Antenna Information	Refer to 5.1.1
Accessory Device	Refer to 4.4

Note: There're 2 configurations of the EUT listed as below. Since the only difference is the thermal pad which does not affect the RF characteristics, only the main sample was chosen for the final test.

EUT	Difference
Main sample	EUT with heat sink
2 nd sample	EUT with heat sink and thermal pad

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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.

4.2 Carrier Frequency and Channel

802.11b, 802.11g, 802.11n HT20, 802.11ac VHT20, 802.11ax HE20, 802.11be EHT20:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432		
6	2437		
7	2442		

802.11n HT40, 802.11ac VHT40, 802.11ax HE40, 802.11be EHT40:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
3	2422	7	2442
4	2427	8	2447
5	2432	9	2452
6	2437		

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	AX Series MP Tool V2.0.44
---------------	---------------------------

The samples were used as follows:
A003917356-004

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

The EUT provides two completed transmitters and receivers.

Modulation Mode	Tx Function
802.11b	2TX
802.11g	2TX
802.11n HT20	2TX
802.11n HT40	2TX
802.11ac VHT20	2TX
802.11ac VHT40	2TX
802.11ax HE20	2TX
802.11ax HE40	2TX
802.11be EHT20	2TX
802.11be EHT40	2TX

* The modulation and bandwidth are similar for 802.11n mode HT20/HT40 and 802.11ac mode VHT20/VHT40 and 802.11ax mode HE20/HE40 and 802.11be mode EHT20/EHT40, therefore, only investigated worse case as representative mode in test report.

** The EUT only supports Full RU, not support Partial RUs.

EUT Configure Mode	Applicable To			Description
	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 **Z-plane**.
2. "-" means no effect.

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	Mode	Available Channel	Tested Channel	Date Rate (Mbps)
-	802.11be EHT20	1 to 11	1	NSS1 MCS0

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	Mode	Available Channel	Tested Channel	Date Rate (Mbps)
EUT with Notebook	802.11be EHT40	3 to 9	6	NSS1 MCS0
EUT with Cradle	802.11be EHT40	3 to 9	6	NSS1 MCS0

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Mains Conducted Emission

- ☒ 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	Mode	Available Channel	Tested Channel	Date Rate (Mbps)
EUT with Notebook	802.11be EHT40	3 to 9	6	NSS1 MCS0
EUT with Cradle	802.11be EHT40	3 to 9	6	NSS1 MCS0

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Radiated Spurious Emissions above 1 GHz	22.6-23.8 °C	53-54 %	Chuan Chu
Radiated Spurious Emissions below 1 GHz	22.6-23.8 °C	53-54 %	Chuan Chu
Mains Conducted Emission	22.1 °C	55 %	Chuan Chu

4.4 Special Accessories and Auxiliary Equipment

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

Accessory of EUT

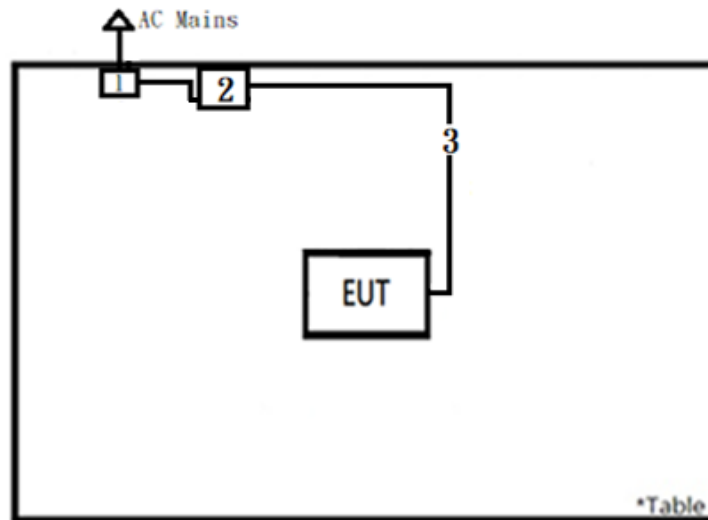
No.	Product	Brand	Model	Description
A	Cradle	Acer	D7 Cradle	--

Support Unit

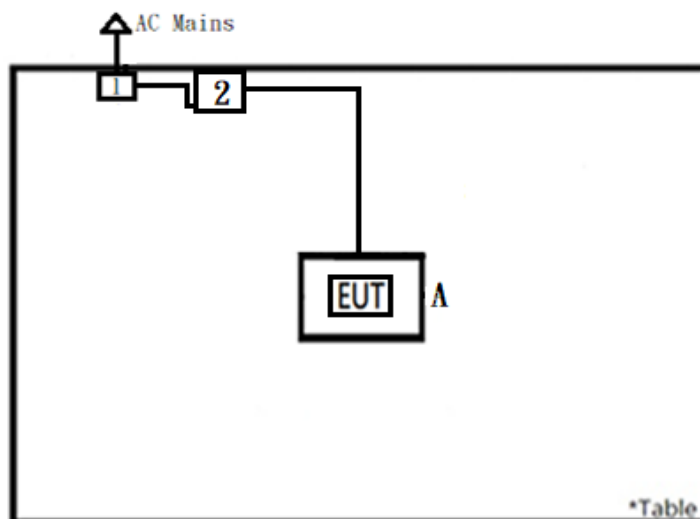
Support Unit								
No	Description	Brand	Model	S/N	Shielded	Ferrite Core (Qty)	Length (cm)	Remark
1	Adapter	Acer	A18-065N3A	N/A	NO	NO	150	--
2	Notebook	Acer	N20C4	NXA1UTA001 14210F853400	-	-	-	--
3	USB Cable	E-books	E-IPD235	N/A	NO	NO	200	--

4.5 Test Setup Diagram

<Radiated Spurious Emissions mode>
EUT with Notebook

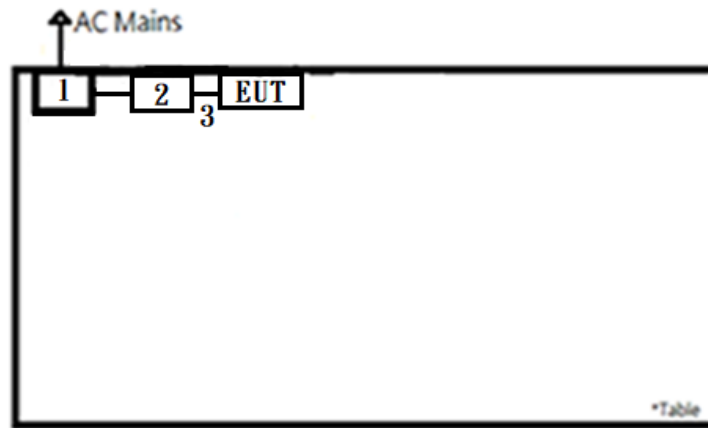


EUT with Cradle

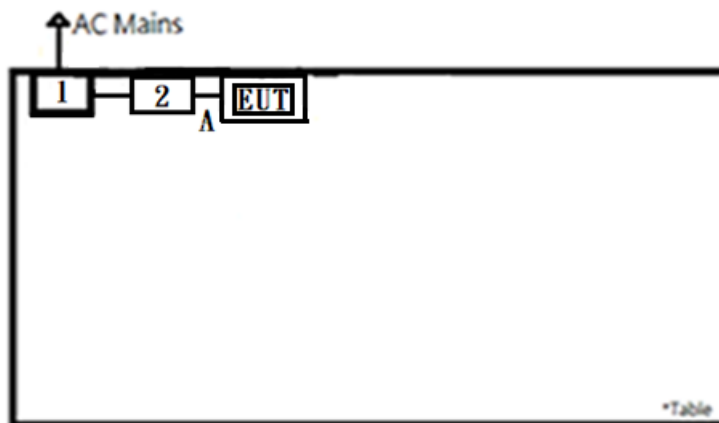


<Mains Conducted Emission mode>

EUT with Notebook



EUT with Cradle



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 antenna information is as listed below. The antenna is with no possibility of replacement with a non-approved antenna by the end-user. Therefore, the EUT is considered to comply with this provision.

Antenna	Antenna Gain (dBi)	Antenna Type
1	2	PIFA Antenna
2	2	PIFA Antenna
Max. Peak Gain	2	-
Power Directional Gain	2	-
PSD Directional Gain	5.01	-

Note: PSD Directional Gain = $G_{ANT} + 10\log(N_{ANT})$

Refer to EUT photo for details.

5.1.2 Radiated Spurious Emissions and Band Edges

Limit

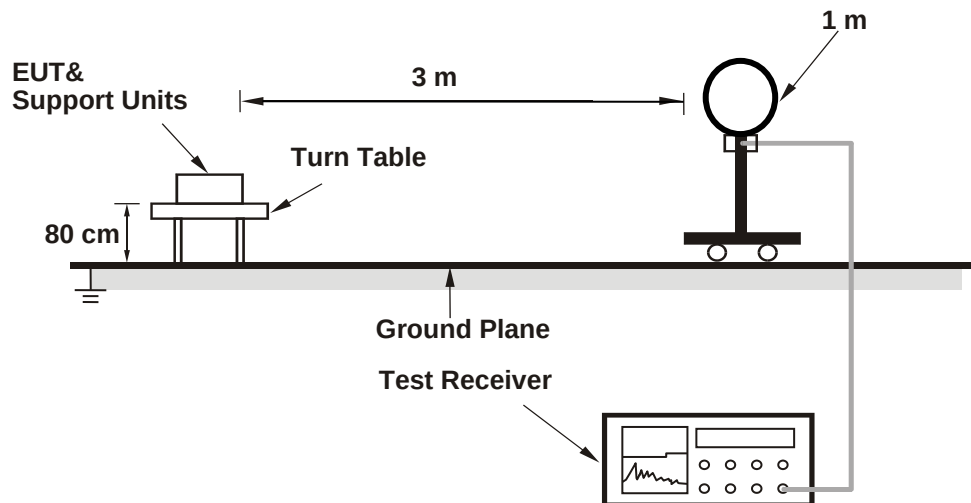
Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must comply with the radiated emission limits specified in §15.209(a).

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).

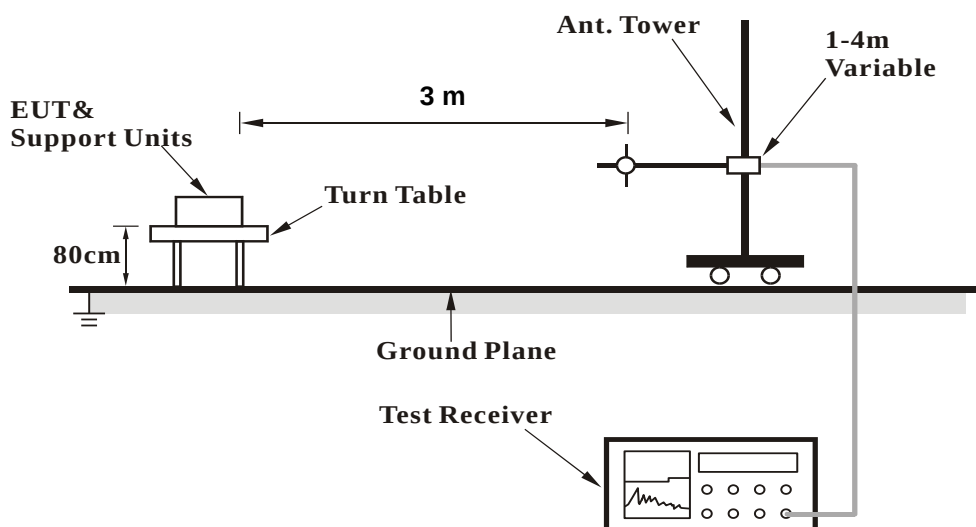
Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup

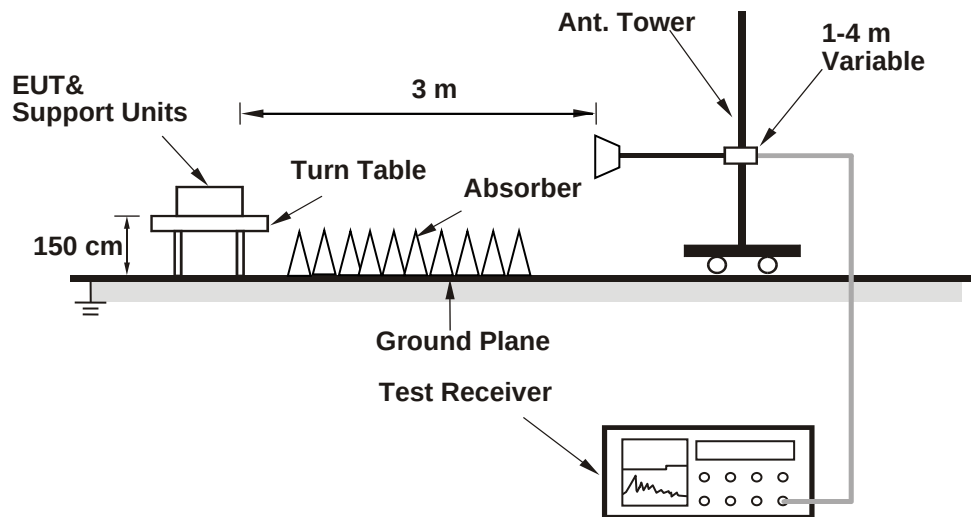
<Radiated Emissions below 30 MHz>



<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).

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Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Above 1 GHz (Test Period: 2025-03-21 ~ 2025-03-24)					
Signal Analyzer	R&S	FSV40	101509	2024/4/30	2025/4/29
Horn Antenna	ETS-Lindgren	3117	00218930	2024/12/10	2025/12/9
Horn Antenna	SCHWARZBECK	BBHA 9170	00890	2024/4/30	2025/4/29
HF-AMP + AC source	EMCI	EMC051845SE	980633	2025/1/15	2026/1/14
HF-AMP + AC source	EMCI	EMC184045SE	980656	2025/1/15	2026/1/14
Test Software	Audix E3	15914a_20191106 tuv	PK-001087	N/A	N/A
30 MHz ~ 1 GHz (Test Period: 2025-02-12 ~ 2025-04-08)					
Receiver	R&S	ESR7	102108	2024/7/4	2025/7/3
Bilog Antenna	SCHWARZBECK	VULB-9168	00950	2024/5/9	2025/5/8
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 (Test Period: 2025-02-12 ~ 2025-04-08)					
Receiver	R&S	ESR7	102108	2024/7/4	2025/7/3
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2024/12/11	2025/12/10
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 $\geq 98\%$) 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(E1), Y(H) and Z(E2) axis orientation. The worst-case Axis orientation is recorded in this test report.
6. 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.

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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 A.

5.2 Mains Emission

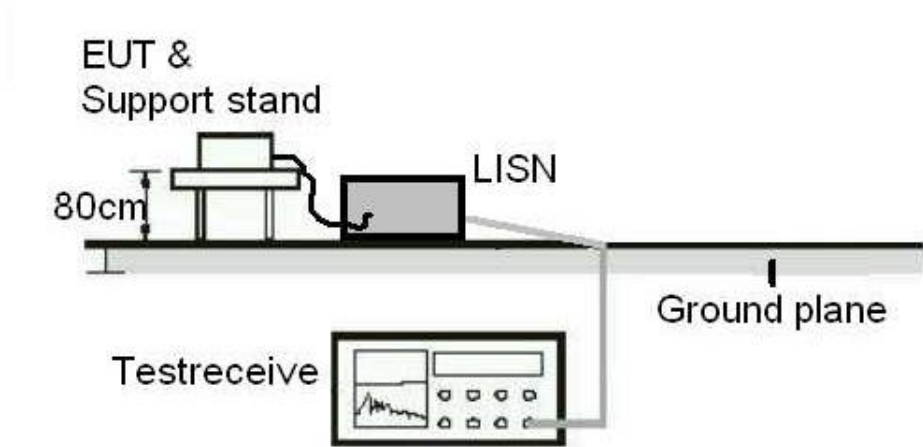
5.2.1 Mains Conducted Emission

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

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Two-Line V-Network	Rohde & Schwarz	ENV216	101938	2024/10/22	2025/10/21
EMI Test Receiver	R&S	ESCI	101094	2024/11/25	2025/11/24

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Test Report No.

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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 A.

Appendix A: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

<EUT with Notebook>

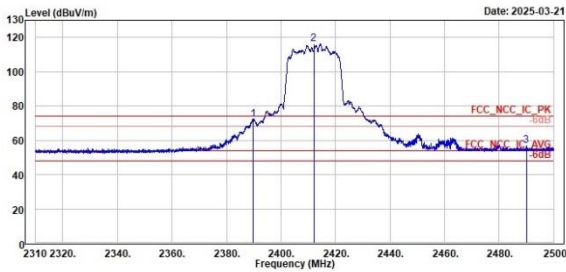
Band Edges, 2.31GHz ~ 2.5GHz

802.11be EHT20

Low Channel (Horizontal) Peak



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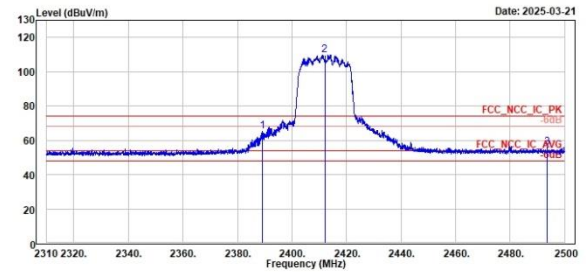


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level Factor	Line	Limit	dB	cm	deg		
1	2389.75	72.05	33.84	38.21	74.00	-1.95	300	264 Peak	Horizontal	
2	2412.00	116.21	77.85	38.36	74.00	42.21	300	264 Peak	Horizontal	
3	2489.98	56.64	18.03	38.61	74.00	-17.36	300	264 Peak	Horizontal	

Low Channel (Vertical) Peak



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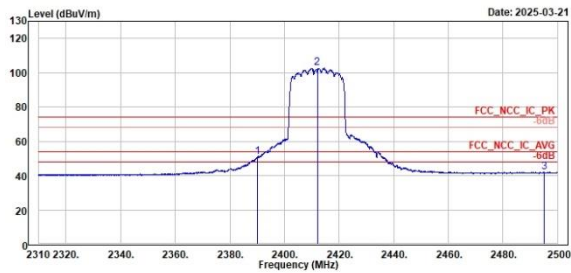
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Level Factor	Line	Limit	dB	cm	deg		
1	2389.23	65.12	26.92	38.20	74.00	-8.88	110	91 Peak	Vertical	
2	2412.00	109.97	71.61	38.36	74.00	35.97	110	91 Peak	Vertical	
3	2493.49	55.96	17.35	38.61	74.00	-18.04	110	91 Peak	Vertical	

802.11be EHT20

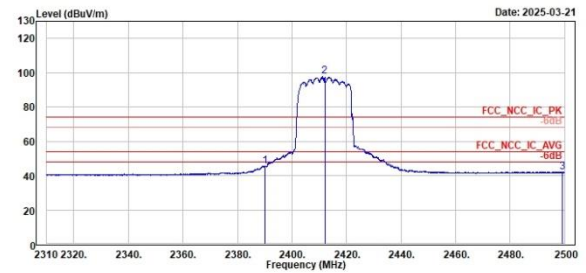
Low Channel (Horizontal) Average



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Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

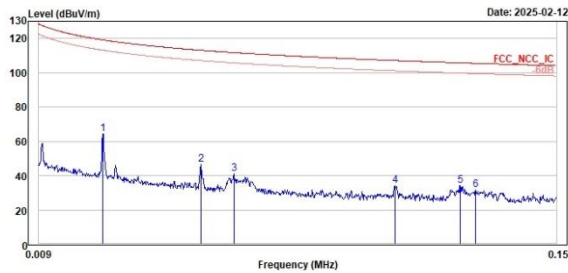
802.11be EHT40

CH06 (Open) 9kHz~150kHz

CH06 (Open) 150kHz~30MHz



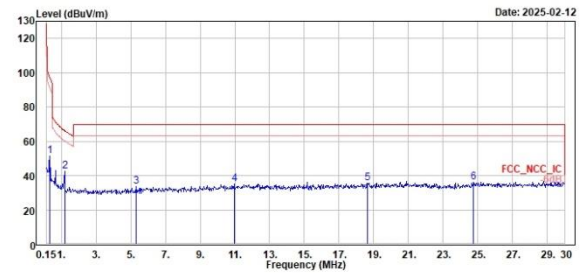
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.03	64.30	44.47	19.83	119.13	-54.83	100	163	Peak	Open	
2	0.05	46.33	27.65	18.68	113.09	-66.76	100	105	Peak	Open	
3	0.06	41.06	23.01	18.05	111.72	-70.66	100	57	Peak	Open	
4	0.11	34.33	16.26	18.07	107.09	-72.76	100	122	Peak	Open	
5	0.12	34.09	15.92	18.17	105.74	-71.65	100	69	Peak	Open	
6	0.13	31.42	13.22	18.20	105.46	-74.04	100	65	Peak	Open	



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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	0.33	51.55	32.98	18.57	97.26	-45.71	100	77	Peak	Open	
2	1.19	42.58	23.78	18.80	66.06	-23.48	100	98	Peak	Open	
3	5.31	33.49	13.50	19.99	69.50	-36.01	100	171	Peak	Open	
4	10.96	35.18	13.66	21.52	69.50	-34.32	100	8	Peak	Open	
5	18.63	35.75	13.05	22.70	69.50	-33.75	100	207	Peak	Open	
6	24.75	36.14	13.09	23.05	69.50	-33.36	100	41	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

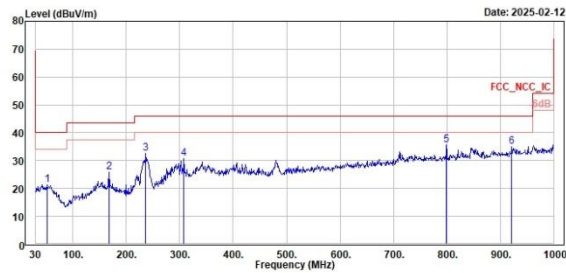
802.11be EHT40

CH06 (Horizontal)

CH06 (Vertical)



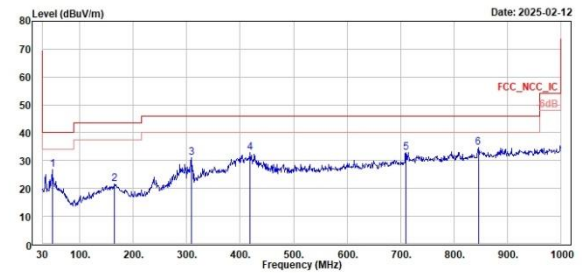
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	51.34	21.27	28.12	-6.85	48.00	-18.73	194	360	Peak	Horizontal		
2	167.74	25.89	32.55	-6.66	43.50	-17.61	280	59	Peak	Horizontal		
3	236.61	32.44	40.31	-7.87	46.00	-13.56	141	360	Peak	Horizontal		
4	307.42	30.69	36.94	-6.25	46.00	-15.31	100	46	Peak	Horizontal		
5	799.21	35.64	32.25	3.39	46.00	-10.36	100	97	Peak	Horizontal		
6	921.43	35.12	30.08	5.04	46.00	-10.08	100	44	Peak	Horizontal		



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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	48.43	26.77	33.71	-6.94	40.00	-13.23	180	188	Peak	Vertical		
2	164.83	21.67	28.36	-6.69	43.50	-21.83	390	291	Peak	Vertical		
3	309.36	30.89	37.10	-6.21	46.00	-15.11	200	87	Peak	Vertical		
4	418.97	32.75	36.51	-3.76	46.00	-13.25	100	166	Peak	Vertical		
5	709.97	32.90	30.92	1.98	46.00	-13.10	100	298	Peak	Vertical		
6	845.77	34.67	30.66	4.01	46.00	-11.33	200	194	Peak	Vertical		

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

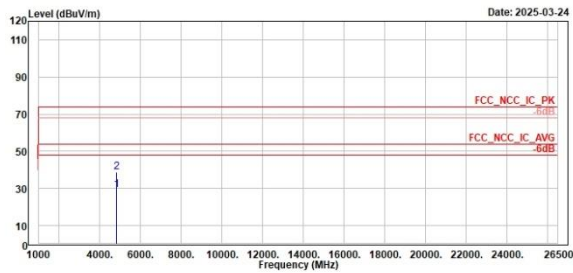
802.11be EHT20

Low Channel (Horizontal)

Low Channel (Vertical)



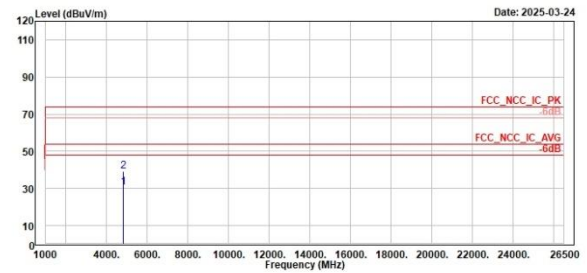
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	29.02	36.89	-7.87	54.00	-24.98	480	277	Average	Horizontal	
2	4824.00	38.74	46.61	-7.87	74.00	-35.26	480	277	Peak	Horizontal	



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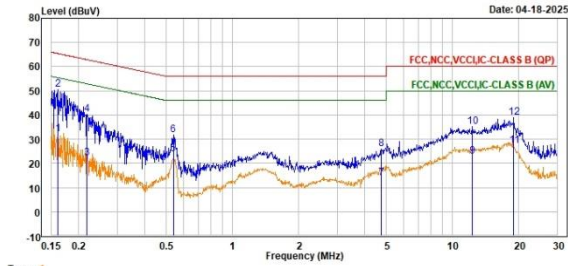
Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4824.00	30.57	38.44	-7.87	54.00	-23.43	180	331	Average	Vertical	
2	4824.00	39.13	47.00	-7.87	74.00	-34.87	180	331	Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

Worst Band

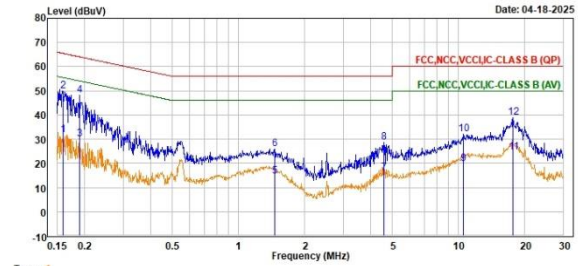
(Line)

(Neutral)



Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase
	dBuV	Factor	dB	dBuV	dB		Note
1	0.16	32.18	22.55	9.63	55.42	-23.24 Average	line1
2	0.16	50.52	40.89	9.63	65.42	-14.90 QP	line1
3	0.22	22.20	12.57	9.63	52.90	-30.70 Average	line1
4	0.22	40.39	30.76	9.63	62.90	-22.51 QP	line1
5	0.54	23.74	14.11	9.63	46.00	-22.26 Average	line1
6	0.54	31.63	22.00	9.63	56.00	-24.37 QP	line1
7	4.77	13.81	4.11	9.70	46.00	-32.19 Average	line1
8	4.77	25.86	16.16	9.70	56.00	-30.14 QP	line1
9	12.35	22.87	13.12	9.75	50.00	-27.13 Average	line1
10	12.35	35.33	25.58	9.75	60.00	-24.67 QP	line1
11	19.06	27.25	17.51	9.74	58.00	-22.75 Average	line1
12	19.06	38.89	29.15	9.74	68.00	-21.11 QP	line1



Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase
	dBuV	Factor	dB	dBuV	dB		Note
1	0.16	31.78	22.14	9.64	55.50	-23.72 Average	neutral
2	0.16	50.00	40.36	9.64	65.50	-15.50 QP	neutral
3	0.19	30.14	20.51	9.63	54.05	-23.91 Average	neutral
4	0.19	48.24	38.61	9.63	64.05	-15.81 QP	neutral
5	1.46	14.77	5.12	9.65	46.00	-31.23 Average	neutral
6	1.46	25.93	16.28	9.65	56.00	-30.07 QP	neutral
7	4.68	15.89	6.18	9.71	46.00	-30.11 Average	neutral
8	4.68	28.65	18.94	9.71	56.00	-27.35 QP	neutral
9	10.53	19.92	10.14	9.78	50.00	-30.08 Average	neutral
10	10.53	31.92	22.14	9.78	60.00	-28.08 QP	neutral
11	17.78	24.66	14.82	9.84	58.00	-25.34 Average	neutral
12	17.78	38.81	28.97	9.84	68.00	-21.19 QP	neutral

<EUT with Cradle>

Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

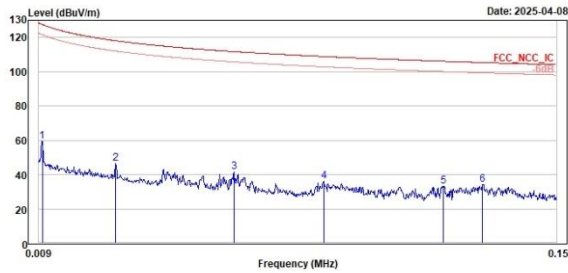
802.11be EHT40

CH06 (Open) 9kHz~150kHz

CH06 (Open) 150kHz~30MHz



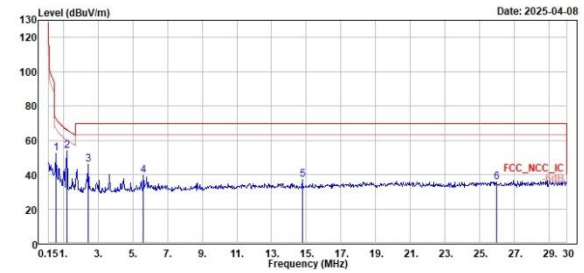
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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.01	59.46	41.35	18.11	127.60	-68.14	100	6	Peak	Open		
2	0.03	46.30	26.29	20.01	118.05	-71.75	100	304	Peak	Open		
3	0.06	41.72	23.67	18.05	111.72	-70.00	100	219	Peak	Open		
4	0.09	36.06	17.97	18.09	108.85	-72.79	100	223	Peak	Open		
5	0.12	33.22	15.08	18.14	106.08	-72.86	100	214	Peak	Open		
6	0.13	34.34	16.13	18.21	105.33	-70.99	100	209	Peak	Open		



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Peak	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	0.60	52.61	33.85	18.76	72.07	-19.46	100	260	Peak	Open		
2	1.22	53.72	34.92	18.80	65.84	-12.12	100	255	Peak	Open		
3	2.45	45.82	26.92	18.90	69.50	-23.68	100	267	Peak	Open		
4	5.61	39.42	19.11	20.31	69.50	-30.08	100	104	Peak	Open		
5	14.78	36.85	15.26	21.59	69.50	-32.65	100	22	Peak	Open		
6	25.94	35.78	12.94	22.84	69.50	-33.72	100	328	Peak	Open		

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

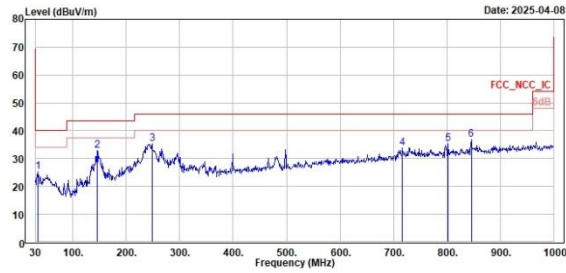
802.11be EHT40

CH06 (Horizontal)

CH06 (Vertical)



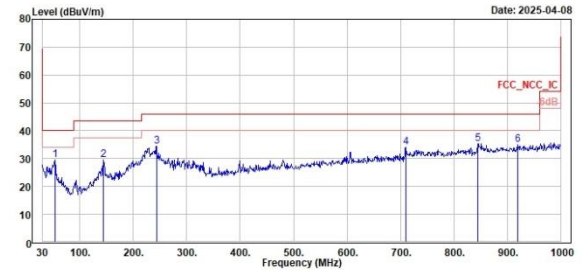
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	34.85	25.18	32.53	-7.35	40.00	-14.82	200	78	Peak	Horizontal		
2	145.43	32.83	39.08	-6.25	43.50	-10.67	200	223	Peak	Horizontal		
3	248.25	35.19	41.83	-6.64	46.00	-10.81	100	287	Peak	Horizontal		
4	716.76	33.77	31.27	2.50	46.00	-12.23	200	351	Peak	Horizontal		
5	802.12	35.20	31.50	3.70	46.00	-10.80	100	230	Peak	Horizontal		
6	845.77	36.84	32.75	4.09	46.00	-9.16	171	360	Peak	Horizontal		



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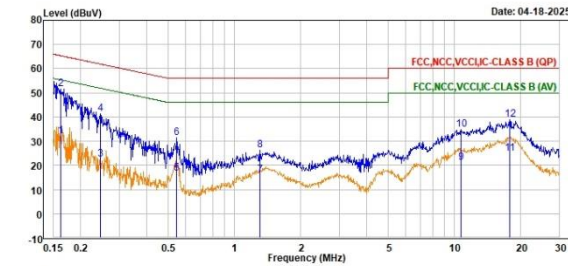
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	53.28	29.41	35.11	-5.70	40.00	-10.59	100	259	Peak	Vertical		
2	143.49	29.39	35.00	-6.41	43.50	-14.11	100	20	Peak	Vertical		
3	243.40	34.38	41.10	-6.72	46.00	-11.62	100	95	Peak	Vertical		
4	709.97	34.18	31.85	2.33	46.00	-11.82	200	265	Peak	Vertical		
5	844.80	35.44	31.37	4.07	46.00	-10.56	200	58	Peak	Vertical		
6	919.49	34.96	29.00	5.16	46.00	-11.04	100	334	Peak	Vertical		

Mains Conducted Emission, 150kHz ~ 30MHz

Worst Band

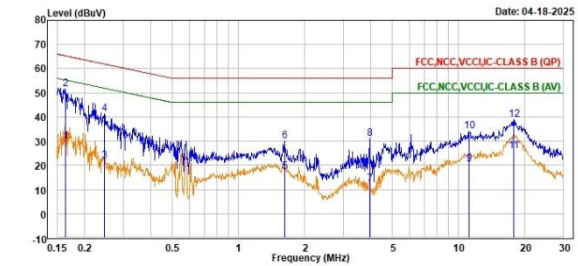
(Line)

(Neutral)



Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	Factor	dB	dB		
1	0.16	32.13	22.50	9.63	55.38	-23.25 Average	line1
2	0.16	51.58	41.95	9.63	65.38	-13.80 QP	line1
3	0.24	22.43	12.00	9.63	51.94	-29.51 Average	line1
4	0.24	41.48	31.85	9.63	61.94	-20.46 QP	line1
5	0.55	16.78	7.15	9.63	46.00	-29.22 Average	line1
6	0.55	31.25	21.62	9.63	56.00	-24.75 QP	line1
7	1.31	15.93	6.29	9.64	46.00	-30.07 Average	line1
8	1.31	26.34	16.70	9.64	56.00	-29.66 QP	line1
9	10.69	21.25	11.50	9.75	50.00	-28.75 Average	line1
10	10.69	34.96	25.21	9.75	60.00	-25.04 QP	line1
11	17.86	24.95	15.20	9.75	50.00	-25.05 Average	line1
12	17.86	38.82	29.07	9.75	60.00	-21.18 QP	line1



Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase Note
	MHz	dBuV	Factor	dB	dB		
1	0.16	29.76	20.12	9.64	55.30	-25.54 Average	neutral
2	0.16	51.75	42.11	9.64	65.30	-13.55 QP	neutral
3	0.24	21.84	12.21	9.63	51.94	-30.10 Average	neutral
4	0.24	41.27	31.64	9.63	61.94	-20.67 QP	neutral
5	1.62	17.27	7.61	9.66	46.00	-28.73 Average	neutral
6	1.62	30.01	20.35	9.66	56.00	-25.99 QP	neutral
7	3.95	12.20	2.51	9.69	46.00	-33.80 Average	neutral
8	3.95	31.20	21.51	9.69	56.00	-24.80 QP	neutral
9	11.18	20.38	10.59	9.79	50.00	-29.62 Average	neutral
10	11.18	34.24	24.45	9.79	60.00	-25.76 QP	neutral
11	17.86	25.82	15.98	9.84	50.00	-24.18 Average	neutral
12	17.86	38.90	29.06	9.84	60.00	-21.10 QP	neutral