

Prüfbericht-Nr.: <i>Test report no.:</i>	CN25R3TW 001	Auftrags-Nr.: <i>Order no.:</i>	48256208	Seite 1 von 23 Page 1 of 23																								
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-12-27																									
Auftraggeber: <i>Client:</i>	ProDVX Europe BV Europalaan 10, 5232 BC, Den Bosch, The Netherlands																											
Prüfgegenstand: <i>Test item:</i>	APPC-10 S-series																											
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	APPC-10SXX (Where "X" can be 0-9, a-z, A-Z, or Blank)																											
Auftrags-Inhalt: <i>Order content:</i>	FCC Part 15C Test report																											
Prüfgrundlage: <i>Test specification:</i>	FCC 47CFR Part 15: Subpart C Section 15.249																											
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-01-03																											
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003902460-001																											
Prüfzeitraum: <i>Testing period:</i>	2025-06-17 - 2025-06-18																											
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																											
zusammengestellt von: <i>compiled by:</i>	 Ryan Chen		genehmigt von: <i>authorized by:</i>	 Brenda Chen																								
Datum: <i>Date:</i>	2025-10-08		Ausstellungsdatum: <i>Issue date:</i>	2025-10-08																								
Stellung / Position:	Senior Project Manager		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>																										
<table><tr><td>* Legende:</td><td>1 = sehr gut</td><td>2 = gut</td><td>3 = befriedigend</td><td>4 = ausreichend</td><td>5 = mangelhaft</td></tr><tr><td></td><td>P(ass) = entspricht o.g. Prüfgrundlage(n)</td><td>F(ail) = entspricht nicht o.g. Prüfgrundlage(n)</td><td>N/A = nicht anwendbar</td><td>N/T = nicht getestet</td><td></td></tr><tr><td>* Legend:</td><td>1 = very good</td><td>2 = good</td><td>3 = satisfactory</td><td>4 = sufficient</td><td>5 = poor</td></tr><tr><td></td><td>P(ass) = passed a.m. test specification(s)</td><td>F(ail) = failed a.m. test specification(s)</td><td>N/A = not applicable</td><td>N/T = not tested</td><td></td></tr></table>					* 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	
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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.</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> |
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| 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	15.203	Antenna Requirement	Pass
5.1.2	15.249 (a)	Field Strength of Fundamental Emissions	Pass
5.1.3	15.249 (d)	Radiated Spurious Emissions	Pass
5.2.1	15.207	Mains Conducted Emission	Pass

Note: 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	2025-06-23
R02	Updated ANSI C63.10 standard version in page no.: 6 and revised FCC ID in page no.: 9	2025-10-08

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 15.249 ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024

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)	± 1.30 dB
Radiated Emission (200 MHz ~ 1 GHz)	± 1.30 dB
Radiated Emission (1 GHz ~ 18 GHz)	± 1.54 dB
Radiated Emission (18 GHz ~ 40 GHz)	± 2.52 dB
Radiated Emission (40 GHz ~ 100 GHz)	± 1.50 dB
Mains Conducted Emission	± 1.65 dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a APPC-10 S-series working at 24 GHz with Radar function.
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	APPC-10 S-series
Type Identification	APPC-10SXX (Where "X" can be 0-9, a-z, A-Z, or Blank)
FCC ID	2AR42APPC10SFA

Technical Specification of EUT

Item	EUT information
Operating Frequency	24.00 – 24.25 GHz
Operation Voltage	120 Vac
Modulation	FMCW
Antenna Information	Refer to 5.1.1
Accessory Device	Refer to 4.3

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 equipment under test (EUT) was configured to measure its maximum emission level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Setup for testing: Test samples are provided with a test mode firmware which makes it possible continuous transmit when power on. It was used to enable the operation modes listed as below.

The samples were used as follows:
A003902460-001

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

EUT Configure Mode	Applicable To			Description
	Field Strength of Fundamental Emissions	Radiated Spurious Emissions	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 **Y-plane**.
2. "-" means no effect.

Field Strength of Fundamental Emissions

- ☒ 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 (GHz)	Tested Frequency (GHz)
-	24.00 to 24.25	24.013

Radiated Spurious 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	Available Frequency (GHz)	Tested Frequency (GHz)
-	24.00 to 24.25	24.013

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	Available Frequency (GHz)	Tested Frequency (GHz)
-	24.00 to 24.25	24.013

Prüfbericht - Nr.: **CN25R3TW 001**
Test Report No.Seite 12 von 23
Page 12 of 23**Test Condition**

Test Item	Ambient Temperature	Relative Humidity	Tested by
Radiated Spurious Emissions	24.3-25.67 °C	55-62 %	Peter Chiou
Field Strength of Fundamental Emissions	24.3-25.67 °C	55-62 %	Peter Chiou
Mains Conducted Emission	23.3 °C	52 %	Chuan Chu

4.3 Special Accessories and Auxiliary Equipment

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

Accessory of EUT

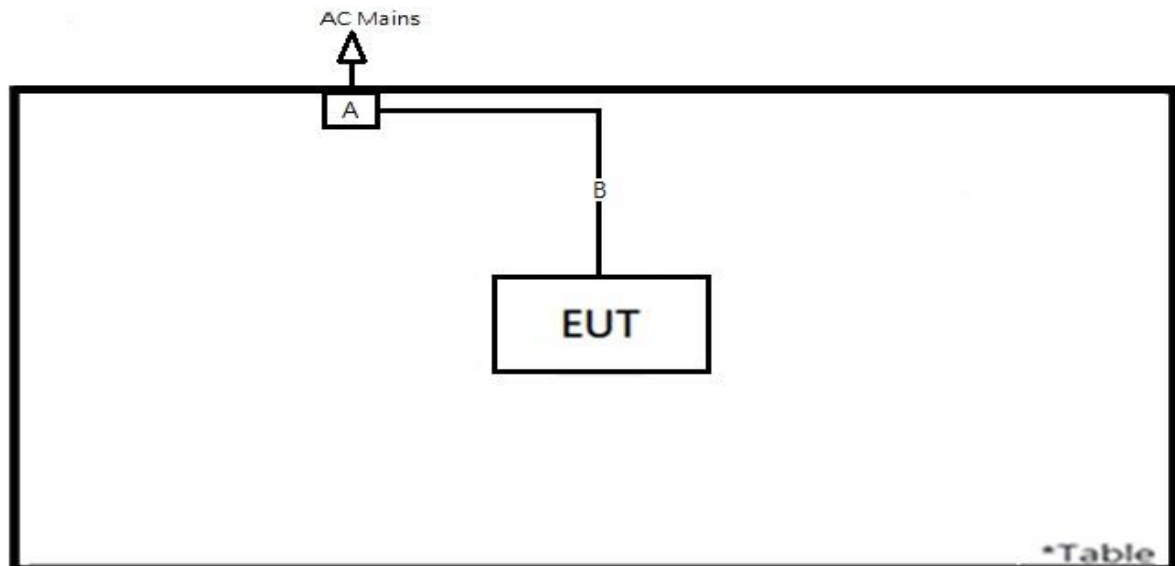
None

Support Unit

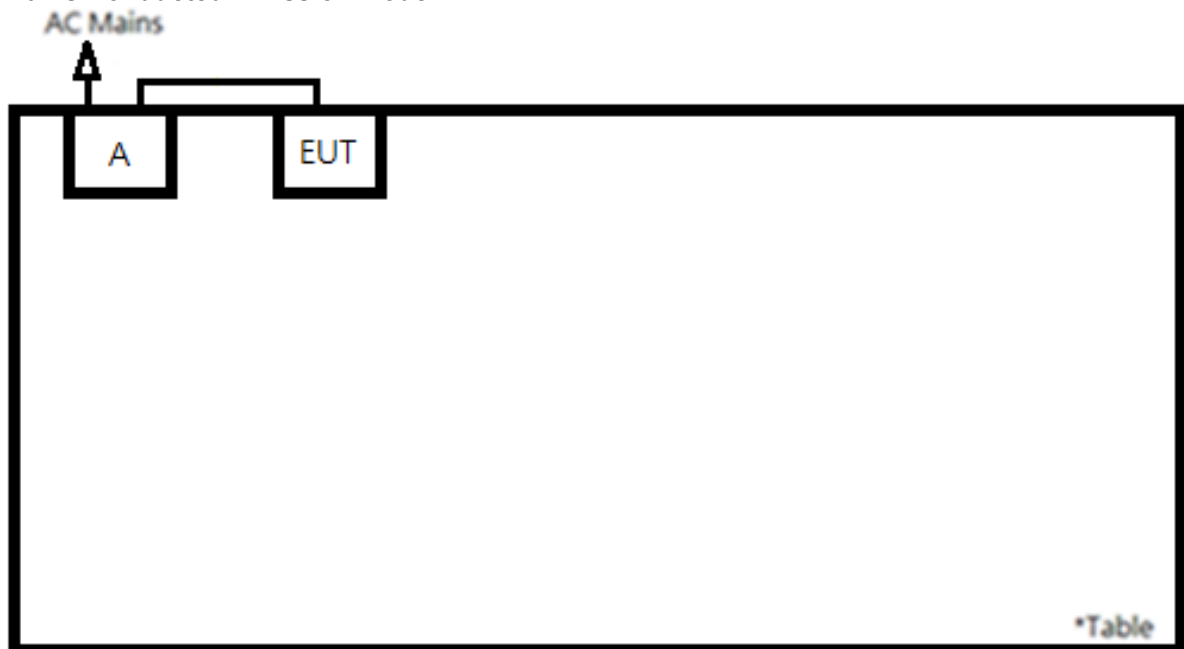
Support Unit								
No	Description	Brand	Model	S/N	Shielded	Ferrite Core (Qty)	Length (cm)	Remark
A	AC Adapter	channel well technology	S1A045DC	-	-	-	133	A003902460-004
B	USB to Type C Cable	ProDVX	APPC-10S	-	-	-	153	--

4.4 Test Setup Diagram

<Radiated Spurious Emissions Mode>



<Mains Conducted Emission Mode>



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 2.754 dBi. The antenna is Patch 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 Field Strength of Fundamental Emissions

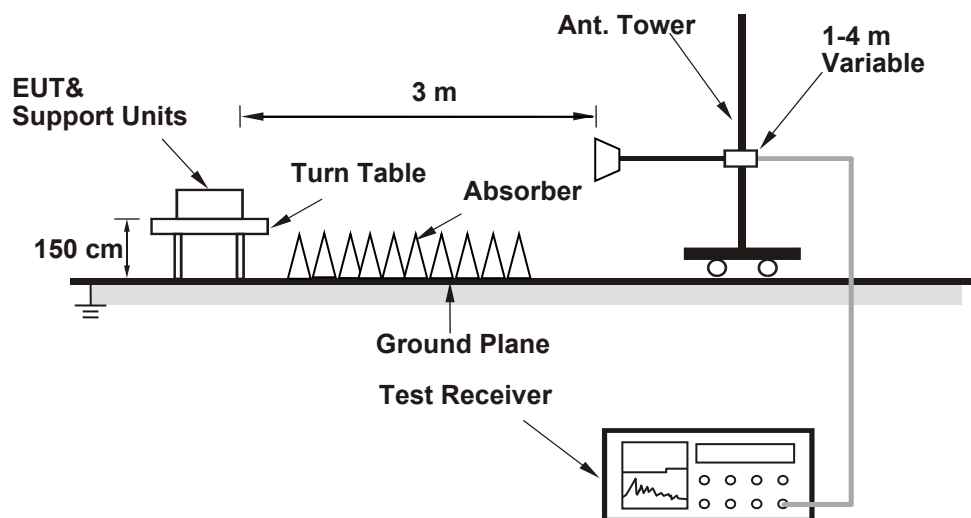
Limit

The field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field Strength of Fundamental (microvolts/meter)	Field Strength of Harmonics (microvolts/meters)
902 ~ 928 MHz	50	500
2400 ~ 2483.5 MHz	50	500
5725 ~ 5875 MHz	50	500
24 ~ 24.25 GHz	250	2500

Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup



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

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Test Instruments

Test Date: 2025/6/17 ~ 2025/6/18

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Above 1 GHz					
Signal Analyzer	R&S	FSV40	101512	2025/2/26	2026/2/25
Horn Antenna	ETS-Lindgren	3117	00218929	2024/11/21	2025/11/20
Amplifier	EM	EM01G18GA	060905	2024/12/19	2025/12/18
HF-AMP + AC source	EMCI	EMC184045SE	980657	2025/2/4	2026/2/3
Horn Antenna	SCHWARZBECK	BBHA 9170	00887	2025/3/28	2026/3/27
Coincal Horn Antenna	VDI	WR15CH	1-15	2023/8/22	2026/8/21
Coincal Horn Antenna	VDI	WR10CH	1-10	2023/8/22	2026/8/21
Coincal Horn Antenna	VDI	WR8.0CH	1-8.0	2023/8/22	2026/8/21
Mixer SA	VDI	SAX WR15	US54250104	2023/8/23	2026/8/22
Mixer SA	VDI	SAX WR10	US54250151	2023/8/23	2026/8/22
Mixer SA	VDI	SAX WR8.0	US53250003	2023/8/24	2026/8/23
Horn Antenna	OML	M19RH	16070501	2023/8/21	2026/8/20
Harmonic Mixer	OML	M19HWDX	160118-1	2023/8/23	2026/8/22
Signal Analyzer	Agilent	N9010A	MY52221334	2025/3/13	2026/3/12
Test Software	Audix E3	15914a_20191106_tuv	PK-001087	N/A	N/A
30 MHz ~ 1 GHz					
Receiver	R&S	ESR7	102109	2025/2/13	2026/2/12
Trilog Antenna	SCHWARZBECK	VULB-9168	00951	2025/4/8	2026/4/7
LF-AMP	Agilent	8447D	2944A107722	2025/3/19	2026/3/18
Test Software	Audix E3	15914a_20191106_tuv	PK-001087	N/A	N/A
Below 30 MHz					
Receiver	R&S	ESR7	102109	2025/2/13	2026/2/12
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

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30 MHz ~ 1 GHz) or 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. All modes of operation were investigated and the worst-case emissions are reported.
4. 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.

Test Results

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

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

Please refer to Appendix A.

5.1.3 Radiated Spurious Emissions

Limit

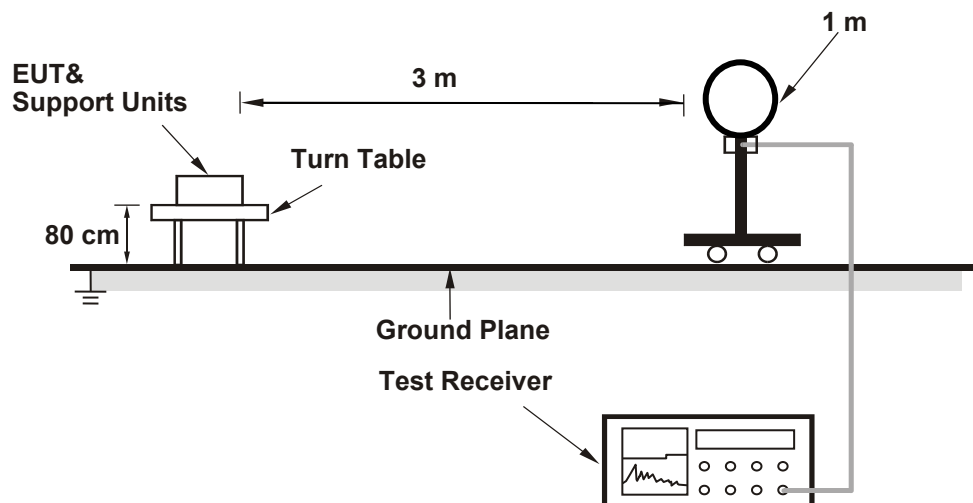
Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits as below table, whichever is the lesser attenuation.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

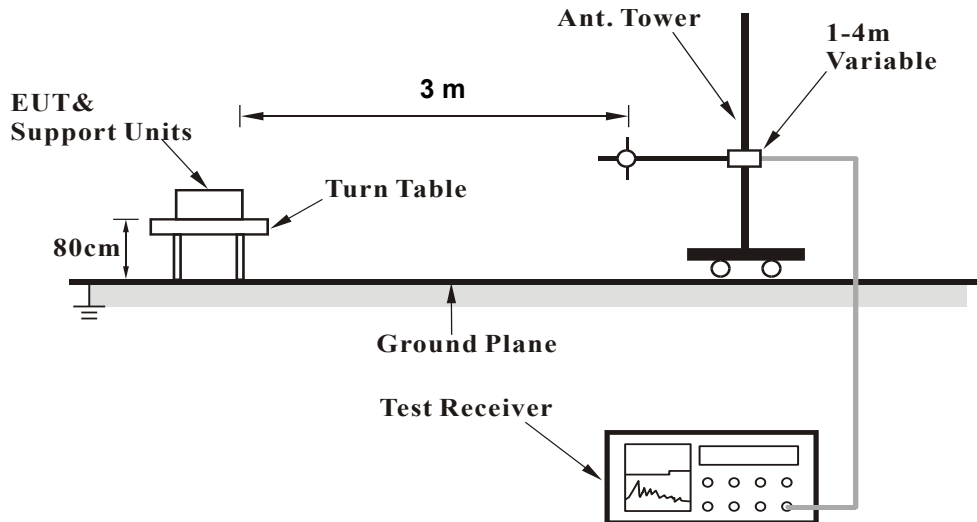
Kind of Test Site 3m Semi-Anechoic Chamber

Test Setup

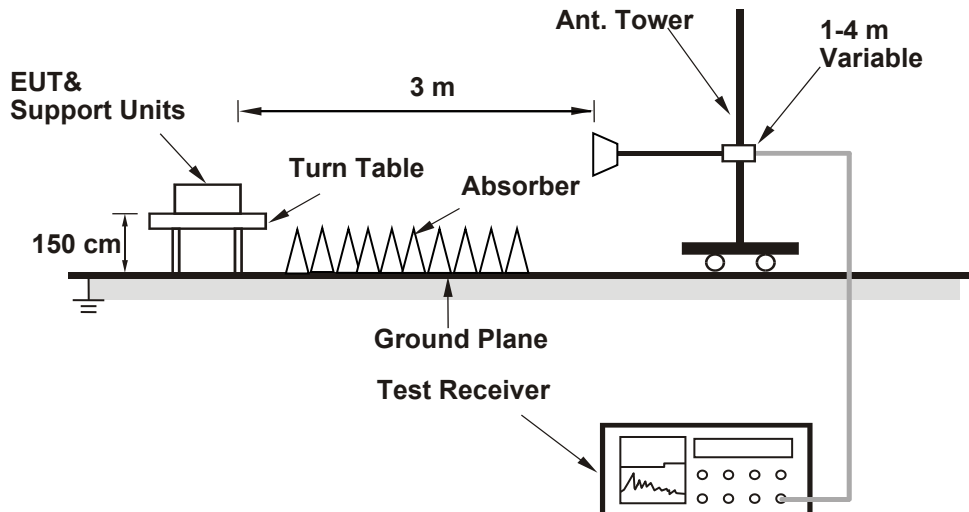
<Radiated Emissions below 30 MHz>



<Radiated Emissions 30 MHz to 1 GHz>



<Radiated Emission above 1 GHz>



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

Test Instruments

Please refer to 5.1.2 Instruments

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. All modes of operation were investigated and the worst-case emissions are reported.
4. 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.
5. 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

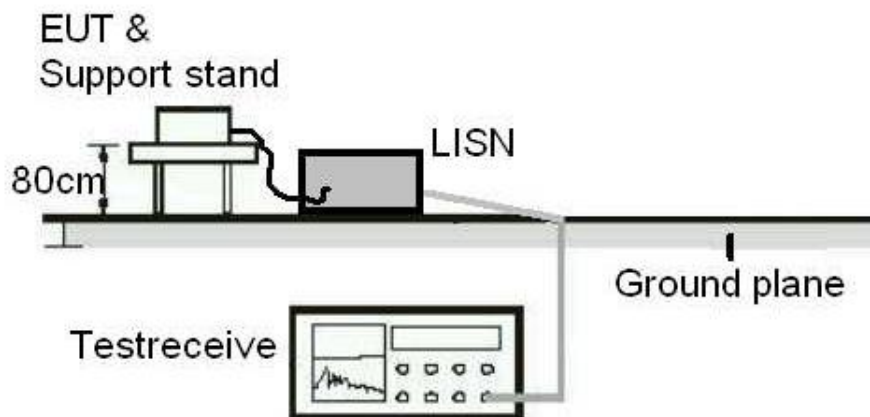
5.2.1 Mains Conducted Emission

Limit

Mains Conducted emissions 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: 2025/6/18

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	2024/11/26	2025/11/25

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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.

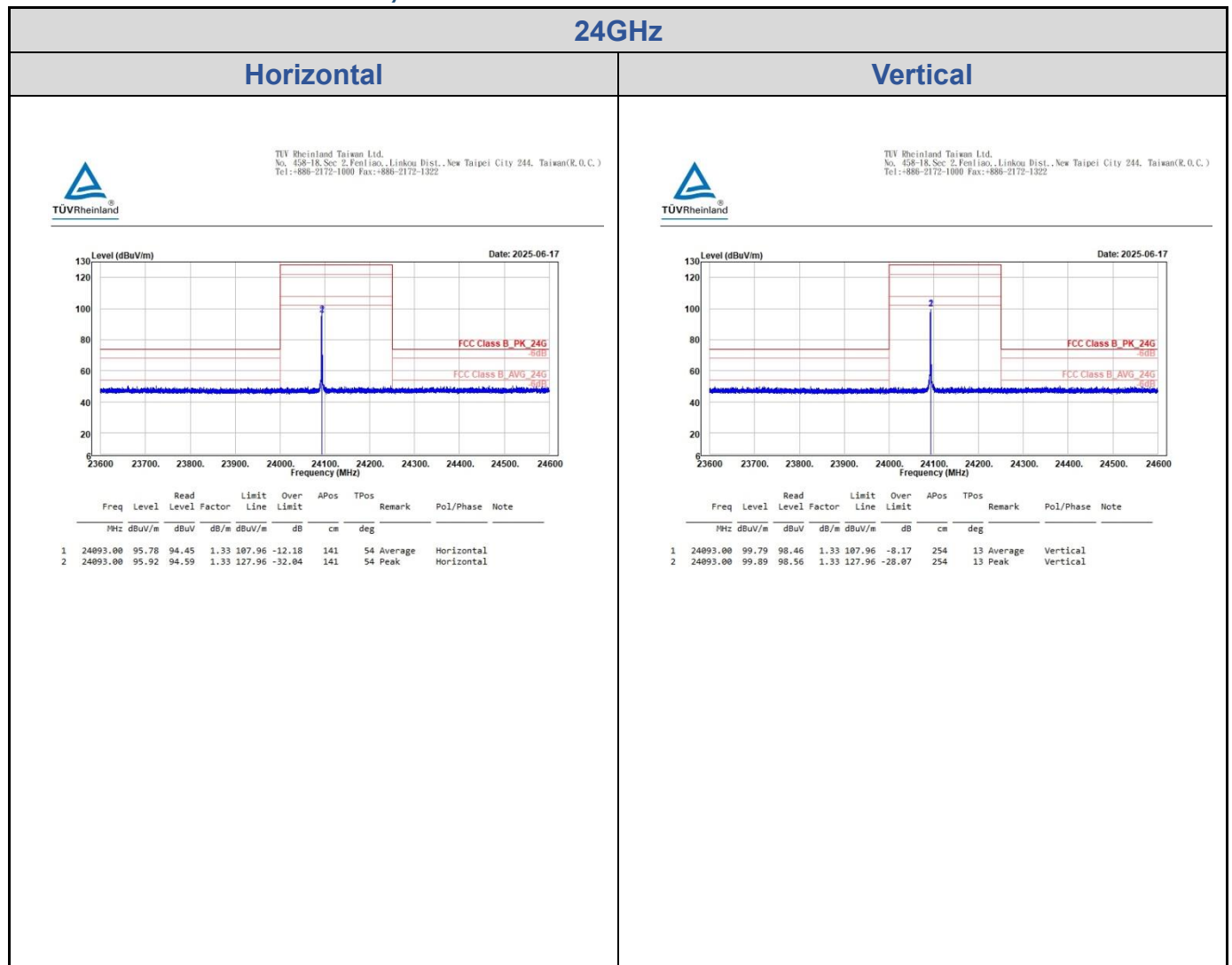
Test Results

Please refer to Appendix A.

Appendix A: Test Results of Radiated Spurious Emissions & Mains

Conducted Emission Test

Fundamental Emissions, Tx / Rx Mode



Spurious Emissions, Tx / Rx Mode, 9kHz ~ 30MHz

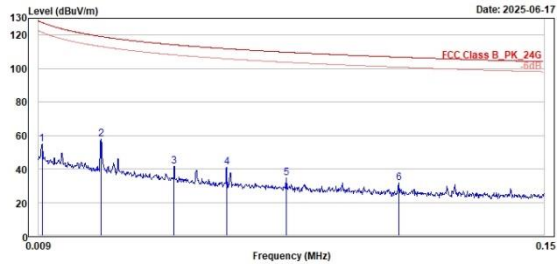
24GHz

(Open)

(Open)



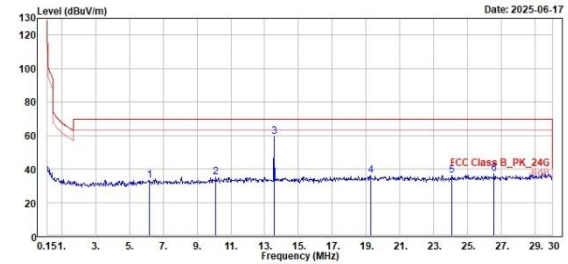
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Factor	Line	Limit	cm	deg			
1	0.01	54.68	36.57	18.11	127.60	-72.92	100	206 Peak	Open	
2	0.03	57.59	37.76	19.83	119.13	-61.54	100	136 Peak	Open	
3	0.05	41.31	22.29	19.02	114.19	-72.88	100	283 Peak	Open	
4	0.06	41.01	23.00	18.01	111.82	-70.81	100	204 Peak	Open	
5	0.08	34.58	16.30	18.28	109.74	-75.16	100	270 Peak	Open	
6	0.11	31.53	13.45	18.08	106.82	-75.29	100	80 Peak	Open	



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	Factor	Line	Limit	cm	deg			
1	6.18	33.36	12.62	20.74	69.50	-36.14	100	176 Peak	Open	
2	10.12	35.13	13.81	21.32	69.50	-34.37	100	183 Peak	Open	
3	13.55	59.25	37.70	21.55	69.50	-10.25	100	308 Peak	Open	
4	19.25	36.20	13.45	22.75	69.50	-33.30	100	351 Peak	Open	
5	24.06	36.26	13.93	22.33	69.50	-33.24	100	265 Peak	Open	
6	26.57	36.92	14.01	22.91	69.50	-32.58	100	297 Peak	Open	

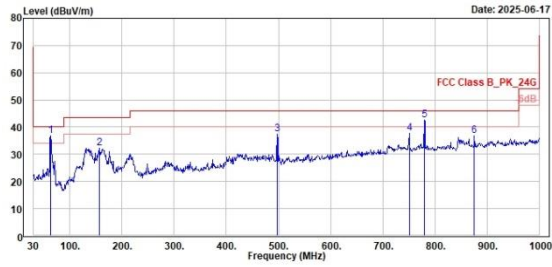
Spurious Emissions, Tx / Rx Mode, 30MHz ~ 1GHz

24GHz

Horizontal



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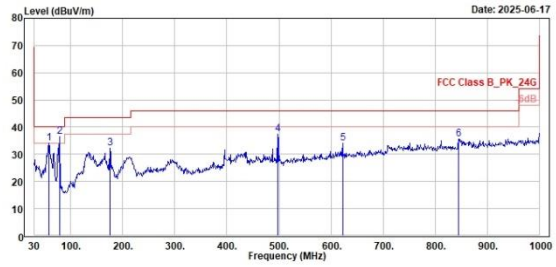


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	62.98	36.84	44.63	-7.79	40.00	-3.16	400	174	Peak	Horizontal
2	156.10	32.18	38.97	-6.79	43.50	-11.32	200	116	Peak	Horizontal
3	497.54	37.52	39.84	-2.32	46.00	-8.48	100	224	Peak	Horizontal
4	750.71	37.76	34.72	3.04	46.00	-8.24	100	300	Peak	Horizontal
5	779.81	42.51	38.89	3.62	46.00	-3.49	100	48	Peak	Horizontal
6	875.84	36.89	32.31	4.58	46.00	-9.11	100	176	Peak	Horizontal

Vertical



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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	58.13	34.15	41.10	-6.95	40.00	-5.85	200	224	Peak	Vertical
2	78.50	36.62	48.00	-11.38	40.00	-3.38	400	44	Peak	Vertical
3	175.50	32.18	39.16	-6.98	43.50	-11.32	100	204	Peak	Vertical
4	497.54	37.38	39.70	-2.32	46.00	-8.62	100	332	Peak	Vertical
5	622.67	34.22	33.39	0.83	46.00	-11.78	100	350	Peak	Vertical
6	844.80	35.62	31.58	4.04	46.00	-10.38	300	325	Peak	Vertical

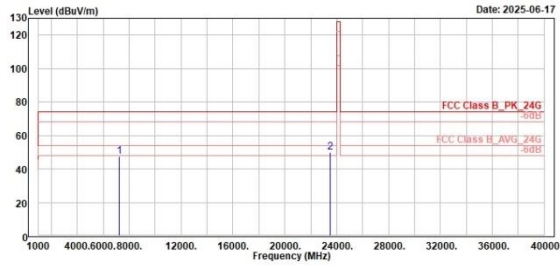
Spurious Emissions, Tx / Rx Mode, 1GHz ~ 40GHz

24GHz

Horizontal



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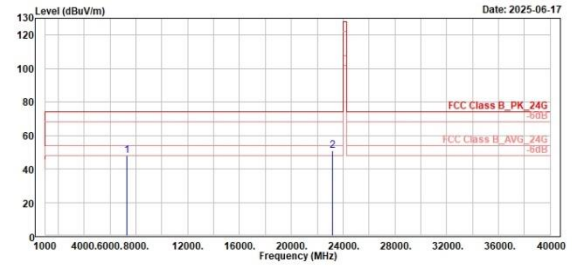


	Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7258.00	47.48	38.06	9.42	74.00	-26.52	200	251 Peak	Horizontal	
2	23497.41	49.69	48.37	1.32	74.00	-24.31	181	360 Peak	Horizontal	

Vertical



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	Freq	Level	Read Level Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	7297.00	47.98	38.74	9.24	74.00	-26.02	200	206 Peak	Vertical	
2	23203.65	50.79	49.69	1.10	74.00	-23.21	400	350 Peak	Vertical	

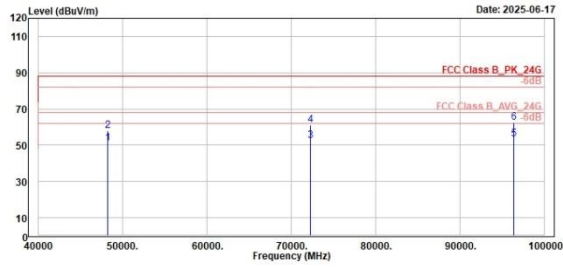
Spurious Emissions, Tx / Rx Mode, 40GHz ~ 100GHz

24GHz

Horizontal



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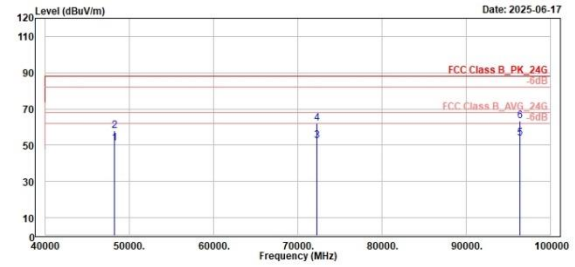


Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1 48186.00	50.99	11.14	39.85	67.96	-16.97	150	122	Average	Horizontal	
2 48186.00	57.85	18.00	39.85	87.96	-30.11	150	122	Peak	Horizontal	
3 72279.00	52.32	3.96	48.36	67.96	-15.64	150	140	Average	Horizontal	
4 72279.00	61.20	12.04	49.16	87.96	-26.76	150	140	Peak	Horizontal	
5 96372.00	53.28	3.24	50.04	67.96	-14.68	150	45	Average	Horizontal	
6 96372.00	62.66	12.62	50.04	87.96	-25.30	150	45	Peak	Horizontal	

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 48186.00	51.20	11.90	39.30	67.96	-16.76	150	60	Average	Vertical	
2 48186.00	58.13	18.83	39.30	87.96	-29.83	150	60	Peak	Vertical	
3 72279.00	52.59	4.23	48.36	67.96	-15.37	150	80	Average	Vertical	
4 72279.00	61.83	13.47	48.36	87.96	-26.13	150	80	Peak	Vertical	
5 96372.00	53.67	3.63	50.04	67.96	-14.29	150	120	Average	Vertical	
6 96372.00	63.19	13.15	50.04	87.96	-24.77	150	120	Peak	Vertical	

Mains Conducted Emission, Tx / Rx Mode, 150kHz ~ 30 MHz

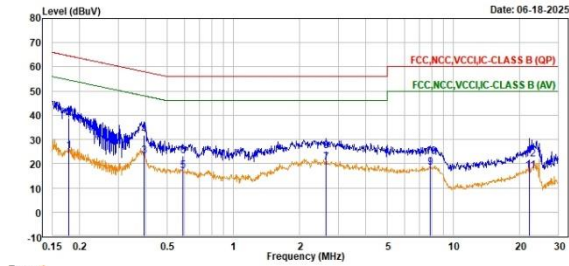
24GHz

Line

Neutral



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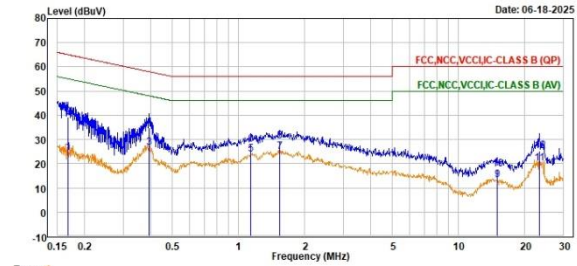


Trace: 1

	Freq	Level	Read	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB		
1	0.18	25.08	15.46	9.62	54.59	-29.51	Average	line1
2	0.18	38.84	29.22	9.62	64.59	-25.75	QP	line1
3	0.39	23.16	13.53	9.63	48.01	-24.85	Average	line1
4	0.39	31.79	22.16	9.63	58.01	-26.22	QP	line1
5	0.59	17.04	7.41	9.63	46.00	-28.96	Average	line1
6	0.59	23.29	13.66	9.63	56.00	-32.71	QP	line1
7	2.63	20.40	10.74	9.66	46.00	-25.60	Average	line1
8	2.63	25.35	15.69	9.66	56.00	-30.65	QP	line1
9	7.85	18.46	8.73	9.73	50.00	-31.54	Average	line1
10	7.85	22.85	13.12	9.73	60.00	-37.15	QP	line1
11	22.25	17.09	7.37	9.72	50.00	-32.91	Average	line1
12	22.25	21.91	12.19	9.72	60.00	-38.09	QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB		
1	0.17	24.71	15.08	9.63	55.09	-30.38	Average	neutral
2	0.17	39.17	29.54	9.63	65.09	-25.92	QP	neutral
3	0.39	26.48	16.85	9.63	48.01	-21.53	Average	neutral
4	0.39	34.99	25.36	9.63	58.01	-23.02	QP	neutral
5	1.14	23.77	14.13	9.64	46.00	-22.23	Average	neutral
6	1.14	27.97	18.33	9.64	56.00	-28.03	QP	neutral
7	1.54	24.77	15.11	9.66	46.00	-21.23	Average	neutral
8	1.54	29.20	19.54	9.66	56.00	-26.00	QP	neutral
9	15.00	13.25	3.42	9.83	50.00	-36.75	Average	neutral
10	15.00	17.76	7.93	9.83	60.00	-42.24	QP	neutral
11	23.38	20.20	10.35	9.85	50.00	-29.80	Average	neutral
12	23.38	25.32	15.47	9.85	60.00	-34.68	QP	neutral