

Prüfbericht-Nr.: <i>Test report no.:</i>	CN26J36W 001	Auftrags-Nr.: <i>Order no.:</i>	48285446	Seite 1 von 34 <i>Page 1 of 34</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2025-12-15	
Auftraggeber: <i>Client:</i>	CUB ELECPARTS INC. No. 6, Lane 546, Sec. 6, Changlu Road, Fuhsin Township, Changhua County, Taiwan			
Prüfgegenstand: <i>Test item:</i>	mmWave Radar			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	B122-110			
Auftrags-Inhalt: <i>Order content:</i>	FCC Part 95 Test report			
Prüfgrundlage: <i>Test specification:</i>	FCC 47CFR Part 95 Subpart M			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-12-17			
Prüfmuster-Nr.: <i>Test sample no:</i>	A004167315-010, 011, 012			
Prüfzeitraum: <i>Testing period:</i>	2025-12-16 - 2026-01-08			
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> 2026-01-08	 Ryan Chen			
Stellung / Position:	Senior Project Manager		Ausstellungsdatum: <i>Issue date:</i> 2026-01-08 Brenda Chen 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>				

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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	95.3367(a)(b)	Radiated Power	Pass
5.1.2	2.1049 95.3379(b)	Occupied Bandwidth	Pass
5.1.3	95.3379(a)	Radiated Emissions	Pass
5.1.4	2.1055 95.3379(b)	Frequency Stability	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

APPENDIX SP - PHOTOGRAPHS TEST SETUP

APPENDIX EP - PHOTOGRAPHS OF EUT

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HISTORY OF THIS TEST REPORT

Revision	Description	Date Issued
R01	Original Release	2026-01-08

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

Appendix SP - Photographs Test Setup

Appendix EP - Photographs of EUT

Applied Standard and Test Levels

Radio
FCC 47CFR Part 2
FCC 47CFR Part 95 Subpart M
ANSI C63.10-2020
ANSI C63.26-2015
KDB 653005 D01 76-81 GHz Radars v01r02

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)	± 1.30 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 ~ 231 GHz)	± 2.84 dB
Mains Conducted Emission	± 1.65 dB

3. General Product Information

3.1 Product Function and Intended Use

The EUT is a mmWave Radar. It contains a 76-81G 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	mmWave Radar
Type Identification	B122-110
FCC ID	ZPNB122110

Technical Specification of EUT

Item		EUT information
Operating Frequency		76 ~ 81 GHz
Modulation		FMCW
Operation Voltage		12 Vdc 24 Vdc
Maximum EIRP (dBm)	12 Vdc	Average Power: 38.64
		Peak Power: 44.55
	24 Vdc	Average Power: 38.80
		Peak Power: 44.75
Antenna Information		PCB Type S antenna with 12.2 dBi gain
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 power 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 sample is provided with test mode firmware which makes it possible to continuously transmitting and receiving when power on the device. It was used to enable the operation modes listed as below.

The samples were used as follows:

A004167315-010, 011, 012

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

EUT Configure Mode	Applicable To				Description
	Radiated Power (e.i.r.p.)	Occupied Bandwidth	Radiated Spurious Emissions	Frequency Stability	
-	√	√	√	√	-

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.
3. Two voltage conditions were evaluated. The worst-case condition was 24 Vdc, which was included in the evaluation.

Radiated Power (e.i.r.p.)

- ☒ 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)
-	76 ~ 81	76.25, 76.65, 77.25

Occupied Bandwidth

- ☒ 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)
-	76 ~ 81	76.25, 76.65, 77.25

Radiated Spurious 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)
-	76 ~ 81	76.25, 76.65, 77.25

Frequency Stability

- ☒ 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)
-	76 ~ 81	76.65

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Radiated Power (e.i.r.p.)	20.6-23.4 °C	60-66 %	Roger Liao
Occupied Bandwidth	20.6-23.4 °C	60-66 %	Roger Liao
Radiated Spurious Emissions	20.6-23.4 °C	60-66 %	Roger Liao
Frequency Stability	22-25 °C	55-60 %	Peter ChiouRoger Liao

4.3 Special Accessories and Auxiliary Equipment

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

Accessory of EUT

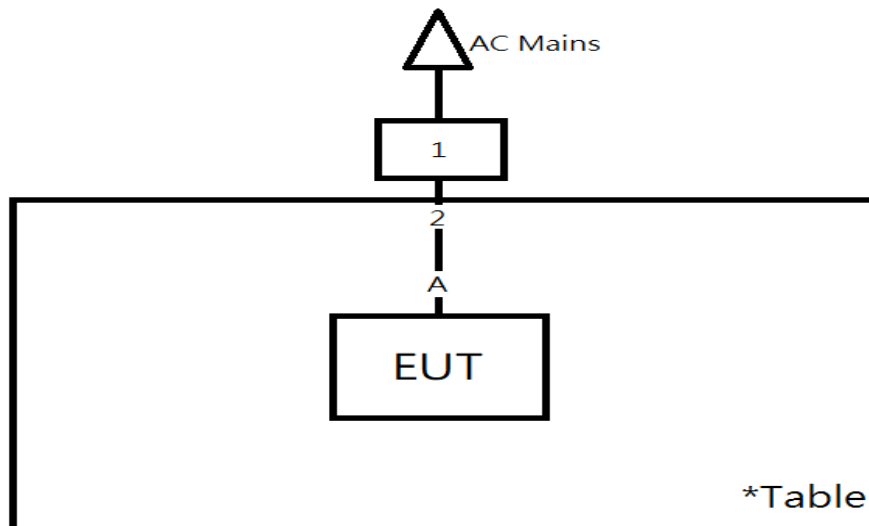
None.

Support Unit

Support Unit								
No	Description	Brand	Model	S/N	Shielded	Ferrite Core (Qty)	Length (cm)	Remark
Radiated Test								
A	Cable with RS232	CUB	OT25-110150	-	-	30	-	--
1	Power Supply	GWINSTEK	GPS-3303	-	-	-	-	--
2	DC Power Cable	TUV	TUV-01	-	-	-	200	--
Conducted Test								
-	Power Supply	GWINSTEK	GPS-3303	GEU915620	-	-	-	-
-	Coincal Horn Antenna	VDI	WR10CH	WR10CH	-	-	-	-
-	Mixer SA	VDI	SAX WR10	SAX WR10	-	-	-	-

4.4 Test Setup Diagram

<Radiated Spurious Emissions Mode>

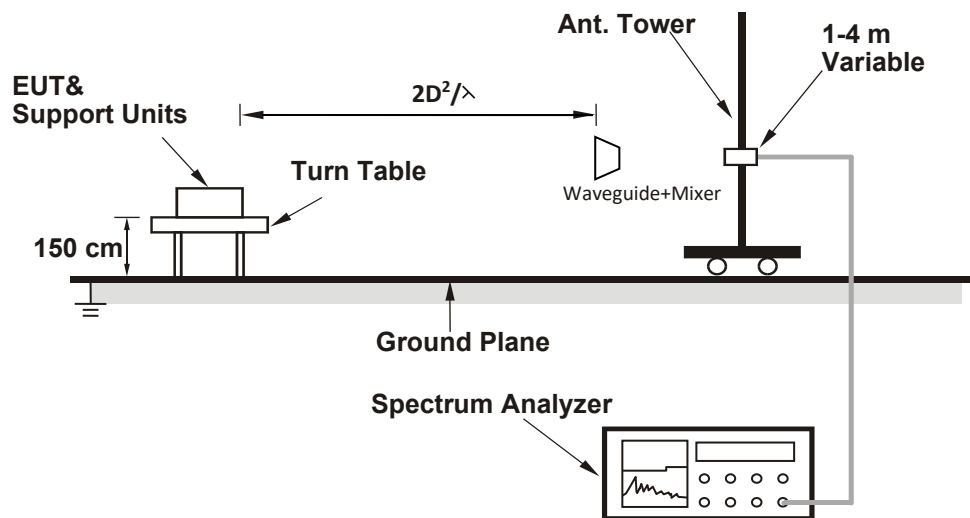


5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Radiated Power Measurement

Limit	FCC Part 95.3367 (a), Average E.I.R.P. $\leq 50\text{dBm/MHz}$ FCC Part 95.3367 (b), Peak E.I.R.P. $\leq 55\text{dBm/MHz}$
Test standard	FCC Part 95.3367
Basic standard	ANSI C63.10: 2020, Clause 9
Kind of Test Site	3m Semi-anechoic Chamber
Test Setup	



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Test Instruments

Test Date: 2025/12/24 ~ 2026/01/08

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101512	2025/2/26	2026/2/25
Horn Antenna	ETS-Lindgren	3117	00218929	2025/11/20	2026/11/19
HF-AMP + AC source	EMCI	EM01G18GA	980967	2025/4/2	2026/4/1
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	WR12CH	RCH012RL	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
Coincal Horn Antenna	VDI	WR5.1CH	1-5.1	2023/8/28	2026/8/27
Coincal Horn Antenna	VDI	WR3.1CH	1-33	2023/8/28	2026/8/27
Mixer SA	VDI	SAX WR15	US54250104	2023/8/23	2026/8/22
Mixer SA	VDI	SAX WR12	US54250151	2023/8/23	2026/8/22
Mixer SA	VDI	SAX WR10	US53250005	2023/8/23	2026/8/22
Mixer SA	VDI	SAX WR8.0	US53250003	2023/8/24	2026/8/23
Mixer SA	VDI	SAX WR5.1	US53250002	2023/8/28	2026/8/27
Mixer SA	VDI	SAX WR3.4	US53250013	2023/8/28	2026/8/27
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
Receiver	R&S	ESR7	102108	2025/7/2	2026/7/1
Bilog Antenna	SCHWARZBECK	VULB-9168	00951	2025/4/8	2026/4/7
LF-AMP	Agilent	8447D	2727A05146	2025/1/15	2026/1/14
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2025/12/16	2026/12/15

Test Result for 12 Vdc

<Horizontal>

Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
76.25	1.2	-26.57	21	24.10	55 (Peak)
76.25	1.2	-32.97	21	17.70	50 (Average)
76.65	1.2	-31.83	21	18.89	55 (Peak)
76.65	1.2	-37.96	21	12.76	50 (Average)
77.25	1.2	-30.07	21	20.71	55 (Peak)
77.25	1.2	-35.76	21	15.02	50(Average)

<Vertical>

Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
76.25	1.2	-6.48	21	44.19	55 (Peak)
76.25	1.2	-12.33	21	38.34	50 (Average)
76.65	1.2	-6.17	21	44.55	55 (Peak)
76.65	1.2	-12.08	21	38.64	50 (Average)
77.25	1.2	-6.58	21	44.20	55 (Peak)
77.25	1.2	-12.28	21	38.50	50(Average)

Remark:

1. Rx antenna is the receiver antenna from the test equipment.
2. The measured power level is converted to EIRP using the Friis equation:

$$EIRP = P_T * G_T = (P_R / G_R) * (4 * \pi * D / \lambda)^2$$

Where :

P_R is the power of the receive measurement

G_R is the gain of the receive measurement antenna

D is the measurement distance

λ is the wavelength

Test Result for 24 Vdc

<Horizontal>

Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
76.25	1.2	-27.21	21	23.46	55 (Peak)
76.25	1.2	-32.96	21	17.71	50 (Average)
76.65	1.2	-32.98	21	17.74	55 (Peak)
76.65	1.2	-38.86	21	11.86	50 (Average)
77.25	1.2	-30.33	21	20.45	55 (Peak)
77.25	1.2	-36.4	21	14.38	50(Average)

<Vertical>

Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
76.25	1.2	-6.45	21	44.22	55 (Peak)
76.25	1.2	-12.3	21	38.37	50 (Average)
76.65	1.2	-5.97	21	44.75	55 (Peak)
76.65	1.2	-11.92	21	38.80	50 (Average)
77.25	1.2	-6.55	21	44.23	55 (Peak)
77.25	1.2	-12.25	21	38.53	50(Average)

Remark:

- Rx antenna is the receiver antenna from the test equipment.
- The measured power level is converted to EIRP using the Friis equation:

$$EIRP = P_T * G_T = (P_R / G_R) * (4 * \pi * D / \lambda)^2$$

Where :

P_R is the power of the receive measurement

G_R is the gain of the receive measurement antenna

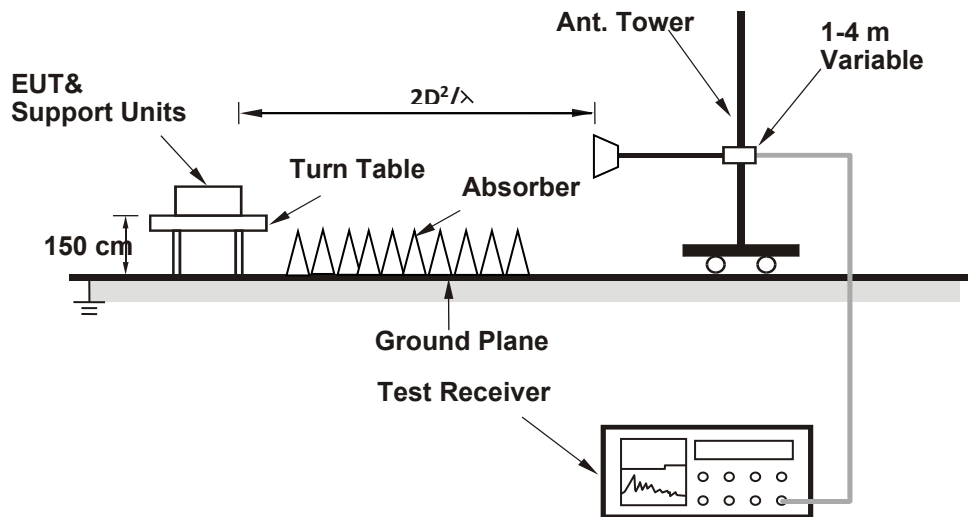
D is the measurement distance

λ is the wavelength

5.1.2 Occupied Bandwidth

Limit	Within assigned band (76GHz to 81GHz)
Test standard	FCC Part 2.1049;FCC Part 95.3379 (b)
Basic standard	ANSI C63.26: 2015, Clause 5.4
Kind of Test Site	3m Full-anechoic Chamber

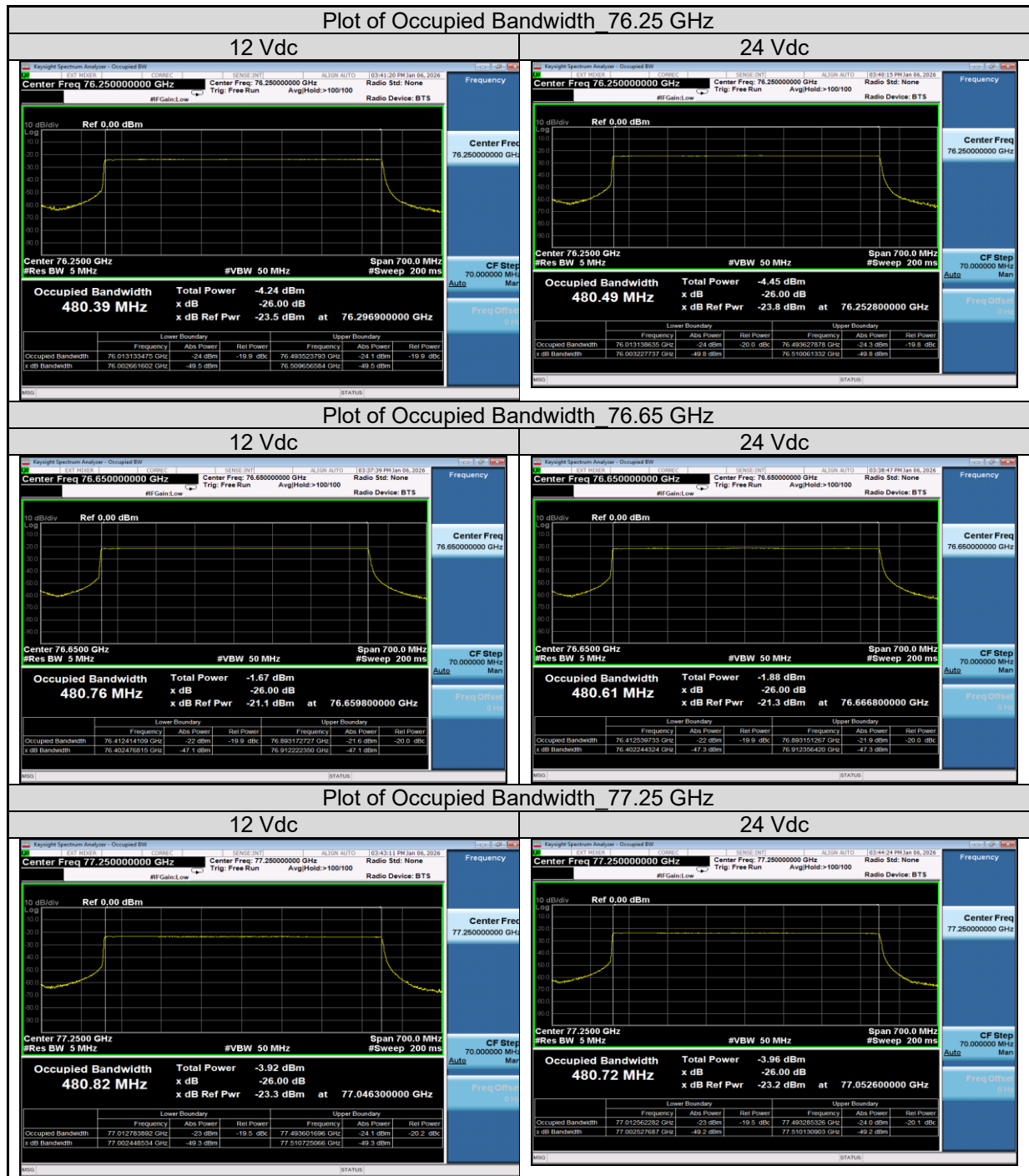
Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	Agilent	N9010A	MY52221334	2025/03/13	2026/03/12	2025/12/16	2026/01/06
Thermal Chamber	GIANT FORCE	GCT-099-40-S	MAF0103-007	2025/02/24	2026/02/23	2025/12/16	2026/01/06
Coincal Horn Antenna	VDI	WR10CH	1-10	2023/08/22	2026/08/21	2025/12/16	2026/01/06
Mixer SA	VDI	M1971W	MY56390137	2023/11/01	2026/10/31	2025/12/16	2026/01/06

Test Results

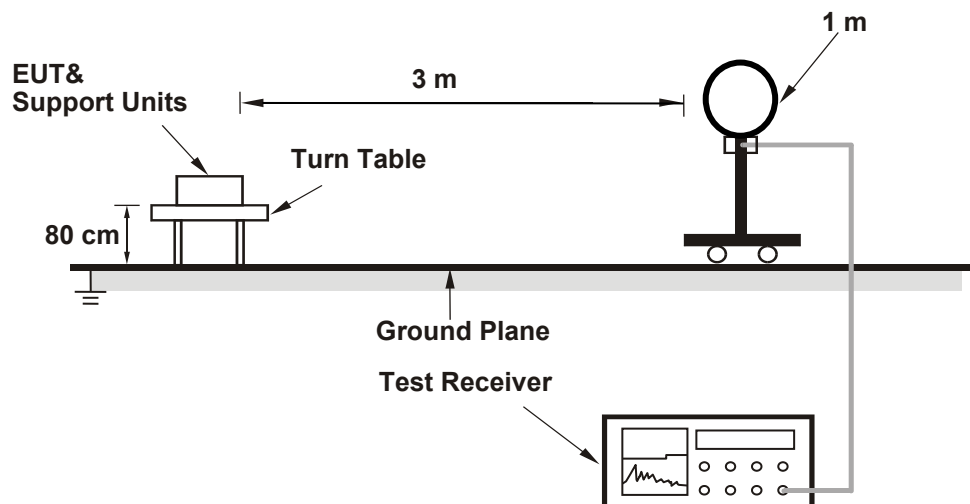


5.1.3 Radiated Emissions

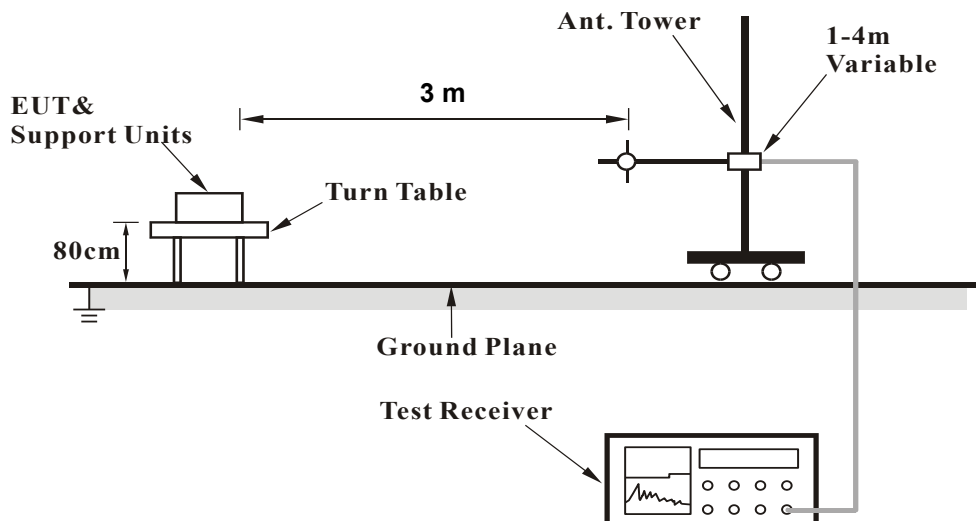
Limit	FCC Part 95.3379 (a)(1) FCC Part 95.3379 (a)(2) FCC Part 95.3379 (a)(3)
Test standard	FCC Part 95.3379
Basic standard	ANSI C63.26: 2015, Clause 5.5
Kind of Test Site	3m Semi-anechoic Chamber

Test Setup

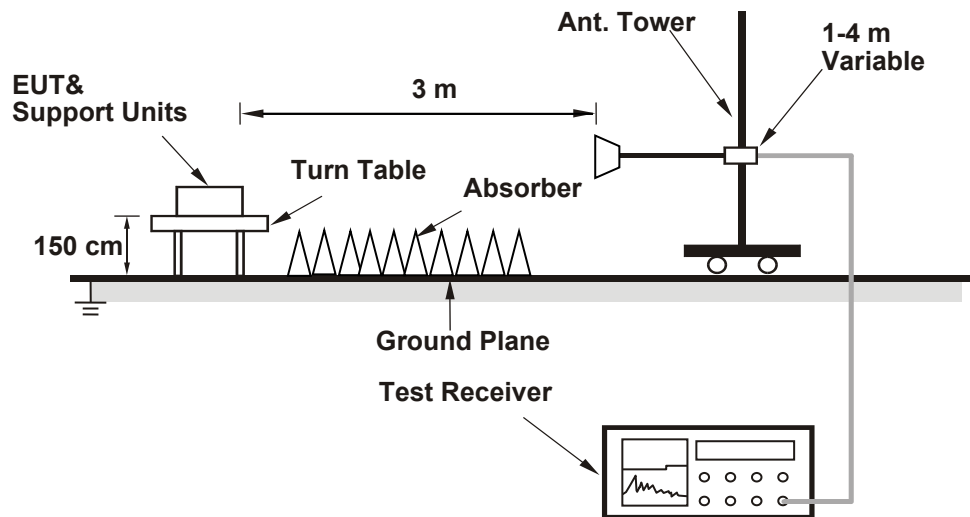
<Radiated Emissions below 30 MHz>



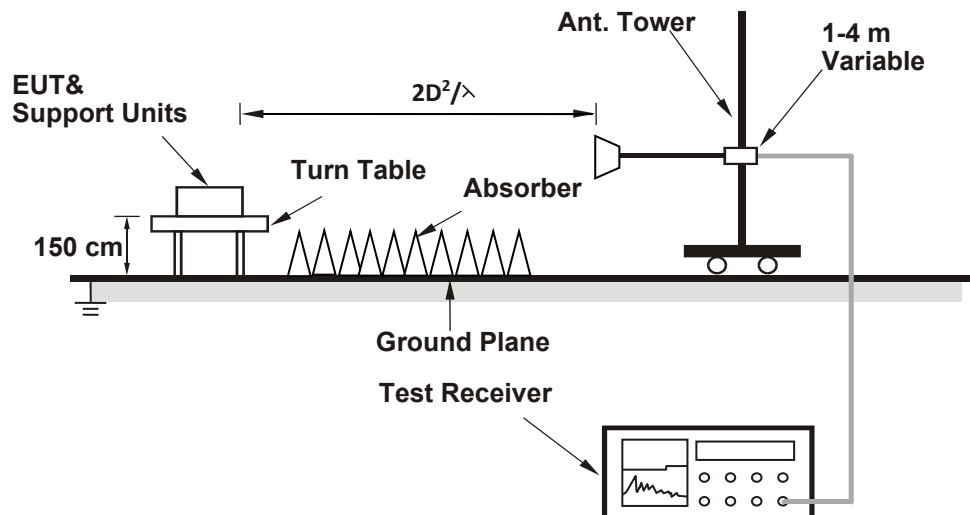
<Radiated Emissions 30 MHz to 1 GHz>



<Radiated Emissions 1 GHz to 40 GHz>



<Radiated Emissions 40 GHz to 231 GHz>



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

Test Instruments

Refer to 5.1.1 Test 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 from 30 MHz to 40 GHz

- 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.

For Radiated Emissions above 40GHz

- a. The EUT was placed on the top of a rotating table 1.5 meters (for above 40 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 $2D^2/\lambda$ 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 average detected function and specified bandwidth with maximum hold mode when the test frequency is above 40 GHz.

Note:

1. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1MHz or 3MHz for Average detection (AV) at frequency above 40GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.
3. 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

Below 40GHz Please refer to Appendix A.

Above 40GHz as below:

76.25 GHz

TX_40G~50G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
44.627	1.2	-91.565	21	-45.55
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000005	3	0.00000000045	0.04	600

TX_40G~50G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
44.478	1.2	-90.71	21	-44.72
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000007	3	0.00000000059	0.06	600

TX_50G~75G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
65.297	1.2	-95.361	21	-46.04
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000082	3	0.000000007	0.72	600

TX_50G~75G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
65.427	1.2	-81.567	21	-32.23
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00004670	3	0.000000413	41.30	600

TX_75G~110G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
83.323	1.2	-97.747	21	-46.31
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000083	3	0.000000007	0.73	600

TX_75G~110G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
83.403	1.2	-87.059	21	-35.61
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00002335	3	0.000000206	20.65	600

TX_110G~140G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
131.111	1.2	-102.472	21	-47.09
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000022	3	0.000000002	0.19	600

TX_110G~140G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
130.118	1.2	-102.426	21	-47.11
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000016	3	0.000000001	0.14	600

TX_140G~231G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
144.408	1.2	-101.439	21	-45.22
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000033	3	0.000000003	0.29	600

TX_140G~231G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
140.077	1.2	-101.159	21	-45.21
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000068	3	0.000000006	0.60	600

Remark: Rx antenna is the receiver antenna from the test equipment.

76.65 GHz

TX_40G~50G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
45.104	1.2	-92.144	21	-46.03
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000005	3	0.0000000004	0.04	600

TX_40G~50G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
44.567	1.2	-91.808	21	-45.80
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000005	3	0.0000000005	0.05	600

TX_50G~75G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
65.632	1.2	-97.376	21	-48.01
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000006	3	0.000000001	0.05	600

TX_50G~75G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
65.605	1.2	-82.121	21	-32.76
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00004463	3	0.000000395	39.46	600

TX_75G~110G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
83.389	1.2	-96.879	21	-45.43
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000081	3	0.000000007	0.71	600

TX_75G~110G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
83.652	1.2	-83.754	21	-32.28
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00003284	3	0.000000290	29.04	600

TX_110G~140G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
137.462	1.2	-102.268	21	-46.48
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000023	3	0.000000002	0.20	600

TX_110G~140G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
114.419	1.2	-102.521	21	-48.33
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000018	3	0.000000002	0.16	600

TX_140G~231G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
140.202	1.2	-101.158	21	-45.20
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000026	3	0.000000002	0.23	600

TX_140G~231G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
144.441	1.2	-101.264	21	-45.04
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000029	3	0.000000003	0.26	600

Remark: Rx antenna is the receiver antenna from the test equipment.

77.25 GHz

TX_40G~50G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
45.854	1.2	-92.251	21	-46.00
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000005	3	0.00000000043	0.04	600

TX_40G~50G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
45.251	1.2	-91.846	21	-45.71
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000006	3	0.00000000049	0.05	600

TX_50G~75G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
66.152	1.2	-98.422	21	-48.99
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000006	3	0.0000000006	0.06	600

TX_50G~75G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
66.085	1.2	-85.685	21	-36.26
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00002986	3	0.000000264	26.40	600

TX_75G~110G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
84.38	1.2	-98.244	21	-46.69
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000111	3	0.000000010	0.98	600

TX_75G~110G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
84.058	1.2	-84.231	21	-32.71
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00002717	3	0.000000240	24.02	600

TX_110G~140G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
135.584	1.2	-102.402	21	-46.73
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000024	3	0.000000002	0.21	600

TX_110G~140G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
126.467	1.2	-102.407	21	-47.34
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000019	3	0.000000002	0.17	600

TX_140G~231G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
140.173	1.2	-101.241	21	-45.28
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000026	3	0.000000002	0.23	600

TX_140G~231G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
142.123	1.2	-101.237	21	-45.16
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000065	3	0.000000006	0.58	600

Remark: Rx antenna is the receiver antenna from the test equipment.

5.1.4 Frequency Stability

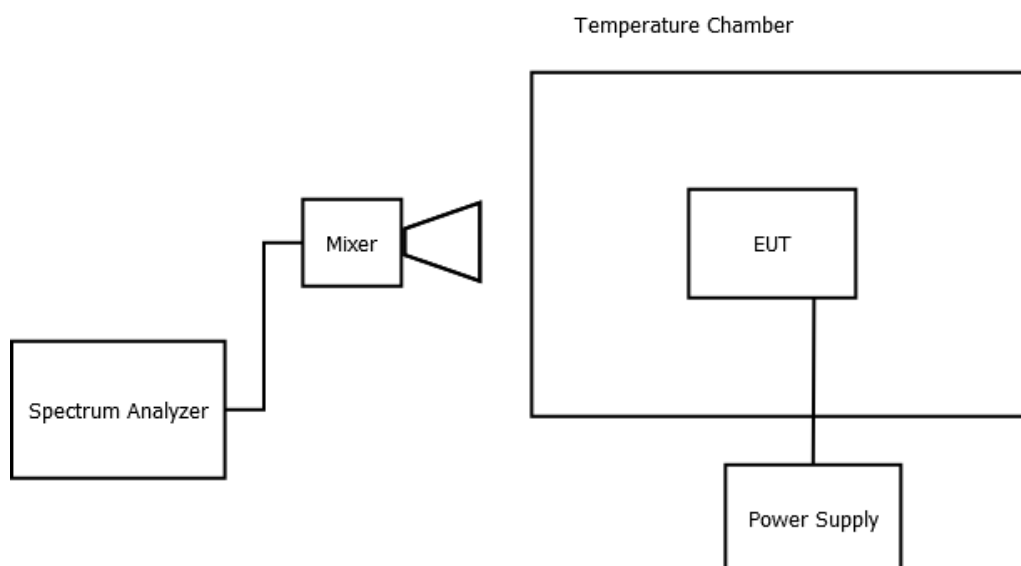
Limit Within assigned band (76 GHz to 81 GHz)

Test standard FCC Part 95.3379 (b)

Basic standard ANSI C63.26: 2015, Clause 5.6

Kind of Test Site Temperature and Humidity Chamber

Test Setup



Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Spectrum Analyzer	Agilent	N9010A	MY52221334	2025/03/13	2026/03/12	2025/12/30	2025/12/31
Thermal Chamber	GIANT FORCE	GCT-099-40-S	MAF0103-007	2025/02/24	2026/02/23	2025/12/30	2025/12/31
Coincal Horn Antenna	VDI	WR10CH	1-10	2023/08/22	2026/08/21	2025/12/30	2025/12/31
Mixer SA	VDI	M1971W	MY56390137	2023/11/01	2026/10/31	2025/12/30	2025/12/31

Test Results

Power Supply (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Operating Frequency (MHz)	Limit (GHz)
24	-20	76653.85	76650	76-81
24	-10	76653.4125		
24	0	76652.975		
24	10	76652.5375		
24	20	76652.3625		
24	30	76652.625		
24	40	76651.6625		
24	50	76651.6625		

Power Supply (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Operating Frequency (MHz)	Limit (GHz)
32	20	76652.3625	76650	76-81
24		76653.0625		
9		76652.275		

Appendix A: Test Results of Radiated Spurious Emissions

Tx Mode, 9kHz ~ 30MHz

76.25GHz Radar

(Open) 9kHz~150kHz

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Level (dBuV/m) Date: 2025-12-30

Frequency (MHz)

	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	0.01	52.09	33.98	18.11	127.60	-75.51	100	154	Peak	Open		
2	0.03	41.11	21.11	20.00	118.09	-76.98	100	154	Peak	Open		
3	0.05	39.91	21.13	18.78	113.25	-73.34	100	209	Peak	Open		
4	0.07	37.25	18.09	18.36	111.02	-73.77	100	13	Peak	Open		
5	0.10	31.59	13.54	18.05	107.22	-75.63	100	301	Peak	Open		
6	0.14	26.86	8.62	18.24	104.96	-78.10	100	143	Peak	Open		

(Open) 150kHz~30MHz

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Level (dBuV/m) Date: 2025-12-30

Frequency (MHz)

	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	0.45	36.28	17.58	18.70	94.57	-58.29	100	345	Peak	Open		
2	5.31	33.79	13.81	19.98	69.50	-35.71	100	6	Peak	Open		
3	10.78	34.78	13.31	21.47	69.50	-34.72	100	126	Peak	Open		
4	16.04	35.91	13.69	22.22	69.50	-33.59	100	41	Peak	Open		
5	22.42	37.22	15.00	22.22	69.50	-32.28	100	220	Peak	Open		
6	26.75	36.05	13.10	22.95	69.50	-33.45	100	308	Peak	Open		

Tx Mode, 30MHz ~ 1GHz

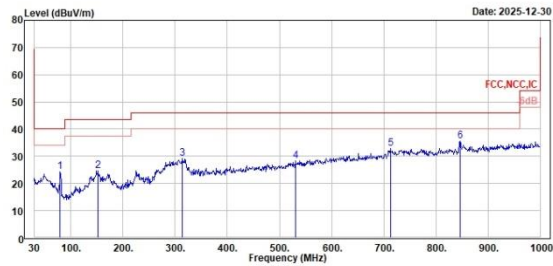
76.25GHz Radar

Horizontal

Vertical



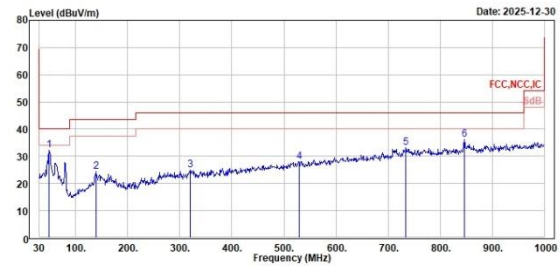
TÜV Rheinland Taiwan Ltd.
No. 458-18, Sec. 2, Fenhiao, Linkou Dist., New Taipei City 244, Taiwan(R.O.C.)
Tel: +886-2172-1000 Fax: +886-2172-1322



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	79.47	24.25	35.76	-11.51	40.00	-15.75	100	111	Peak	Horizontal		
2	152.22	24.77	31.54	-6.77	43.50	-18.73	200	262	Peak	Horizontal		
3	314.21	29.30	34.98	-5.68	46.00	-16.70	100	120	Peak	Horizontal		
4	530.52	28.44	29.47	-1.03	46.00	-17.56	200	292	Peak	Horizontal		
5	712.08	32.90	30.51	2.39	46.00	-13.10	100	59	Peak	Horizontal		
6	846.74	35.59	31.46	4.13	46.00	-10.41	200	51	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	49.40	32.11	30.85	-6.74	40.00	-7.89	100	346	Peak	Vertical		
2	139.61	24.24	31.80	-7.56	43.50	-19.26	100	130	Peak	Vertical		
3	320.03	24.80	30.13	-5.33	46.00	-21.20	100	302	Peak	Vertical		
4	528.58	27.97	29.00	-1.11	46.00	-18.03	200	252	Peak	Vertical		
5	734.22	33.27	30.62	2.65	46.00	-12.73	200	13	Peak	Vertical		
6	846.74	36.18	32.05	4.13	46.00	-9.82	200	144	Peak	Vertical		

Tx Mode, 1GHz ~ 40GHz

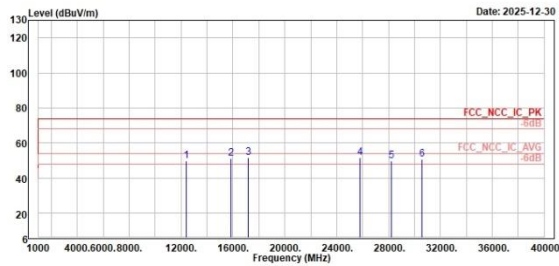
76.25GHz Radar

Horizontal

Vertical



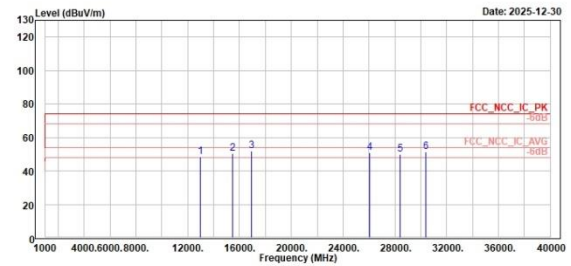
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1 12499.00	49.87	39.98	9.89	74.00	-24.13	100	224	Peak	Horizontal		
2 15818.00	51.33	43.11	8.22	74.00	-22.67	100	287	Peak	Horizontal		
3 17173.00	51.85	43.39	8.46	74.00	-22.15	200	221	Peak	Horizontal		
4 25813.88	51.84	49.30	2.54	74.00	-22.16	200	288	Peak	Horizontal		
5 28228.71	49.89	46.75	3.14	74.00	-24.11	100	221	Peak	Horizontal		
6 38554.23	51.82	47.88	3.22	74.00	-22.98	200	168	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	dB	cm	deg			
1 12977.00	48.47	38.40	10.07	74.00	-25.53	188	368	Peak	Vertical		
2 15478.00	50.33	42.10	8.23	74.00	-23.67	100	328	Peak	Vertical		
3 16935.00	51.75	43.10	8.65	74.00	-22.25	200	37	Peak	Vertical		
4 26826.12	50.67	48.06	2.61	74.00	-23.33	191	360	Peak	Vertical		
5 28418.94	50.13	46.87	3.26	74.00	-23.87	152	360	Peak	Vertical		
6 38396.35	51.52	48.33	3.19	74.00	-22.48	200	357	Peak	Vertical		

Tx Mode, 9kHz ~ 30MHz

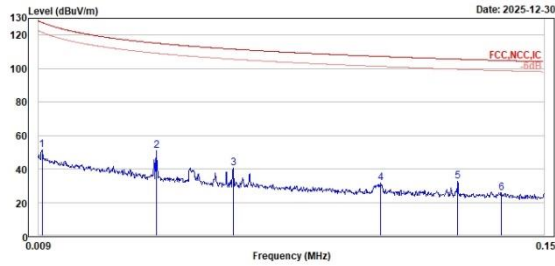
76.65GHz Radar

(Open) 9kHz~150kHz

(Open) 150kHz~30MHz



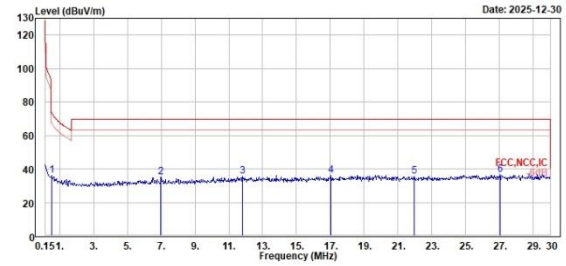
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	51.38	33.27	18.11	127.60	-76.22	100	177	Peak	Open	
2	0.04	51.04	32.03	19.01	115.16	-64.12	100	360	Peak	Open	
3	0.06	40.64	22.52	18.12	111.57	-70.93	100	281	Peak	Open	
4	0.10	31.49	13.44	18.05	107.22	-75.73	100	278	Peak	Open	
5	0.13	32.73	14.54	18.19	105.60	-72.87	100	52	Peak	Open	
6	0.14	25.61	7.35	18.26	104.88	-79.19	100	222	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	0.54	35.94	17.19	18.75	72.99	-37.05	100	227	Peak	Open	
2	6.99	35.29	14.54	20.75	69.50	-34.21	100	203	Peak	Open	
3	11.82	35.53	13.85	21.68	69.50	-33.97	100	137	Peak	Open	
4	17.05	35.94	13.64	22.30	69.50	-33.56	100	254	Peak	Open	
5	21.94	35.64	13.27	22.37	69.50	-33.06	100	247	Peak	Open	
6	27.04	36.82	13.82	23.00	69.50	-32.68	100	233	Peak	Open	

Tx Mode, 30MHz ~ 1GHz

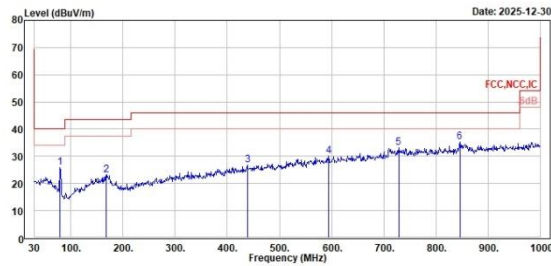
76.65GHz Radar

Horizontal

Vertical



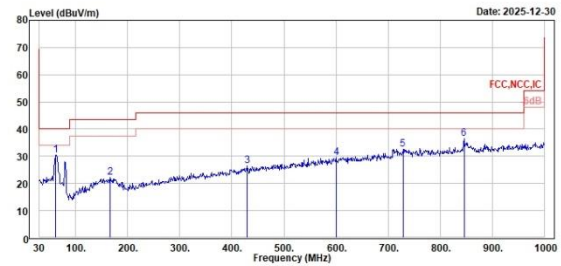
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	79.47	25.97	37.48	-11.51	40.00	-14.03	100	206 Peak	Horizontal	
2	167.74	23.14	29.57	-6.43	43.50	-20.36	200	84 Peak	Horizontal	
3	438.37	26.90	29.89	-2.99	46.00	-19.10	200	48 Peak	Horizontal	
4	594.54	29.96	29.86	0.10	46.00	-16.04	200	123 Peak	Horizontal	
5	728.40	33.16	30.57	2.59	46.00	-12.84	100	13 Peak	Horizontal	
6	845.77	35.38	31.38	4.08	46.00	-10.62	200	45 Peak	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	62.01	30.54	38.06	-7.52	40.00	-9.46	110	368 Peak	Vertical	
2	166.77	22.07	28.56	-6.49	43.50	-21.43	200	164 Peak	Vertical	
3	429.64	26.34	29.36	-3.02	46.00	-19.66	200	52 Peak	Vertical	
4	600.36	29.37	29.01	0.36	46.00	-16.63	100	47 Peak	Vertical	
5	728.40	32.68	30.09	2.59	46.00	-13.32	100	278 Peak	Vertical	
6	845.77	36.49	32.41	4.08	46.00	-9.51	200	120 Peak	Vertical	

Tx Mode, 1GHz ~ 40GHz

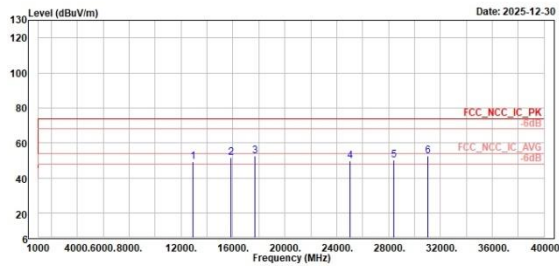
76.65GHz Radar

Horizontal

Vertical



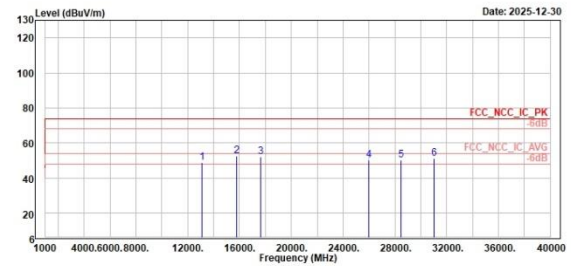
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1 12885.00	49.33	39.26	10.07	74.00	-24.67		200	105 Peak	Horizontal		
2 15833.00	51.52	43.38	8.14	74.00	-22.48		101	360 Peak	Horizontal		
3 17712.00	52.56	44.18	8.38	74.00	-21.44		200	4 Peak	Horizontal		
4 25823.18	49.81	47.84	1.97	74.00	-24.19		200	261 Peak	Horizontal		
5 28418.94	50.55	47.29	3.26	74.00	-23.45		200	252 Peak	Horizontal		
6 31043.41	52.69	49.04	3.65	74.00	-21.31		200	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	dB	cm	deg			
1 13079.00	48.88	39.00	9.88	74.00	-25.12		100	266 Peak	Vertical		
2 15803.00	52.71	44.42	8.29	74.00	-21.29		100	168 Peak	Vertical		
3 17628.00	52.39	43.86	8.53	74.00	-21.61		100	344 Peak	Vertical		
4 25965.29	50.13	47.55	2.58	74.00	-23.87		200	360 Peak	Vertical		
5 28483.65	50.18	46.89	3.29	74.00	-23.82		129	360 Peak	Vertical		
6 31042.12	51.42	47.77	3.65	74.00	-22.58		100	17 Peak	Vertical		

Tx Mode, 9kHz ~ 30MHz

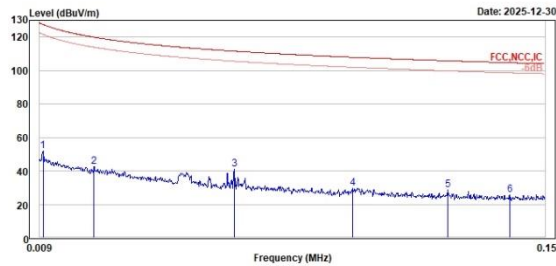
77.25GHz Radar

(Open) 9kHz~150kHz

(Open) 150kHz~30MHz



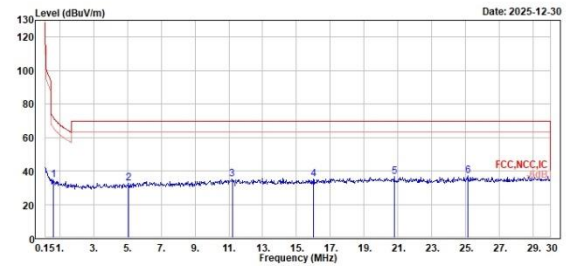
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	0.01	51.69	33.58	18.11	127.60	-75.91	100	350	Peak	Open		
2	0.02	42.74	23.02	19.72	119.90	-77.16	100	345	Peak	Open		
3	0.06	40.84	22.72	18.12	111.57	-70.73	100	274	Peak	Open		
4	0.10	29.85	11.83	18.02	107.91	-78.06	100	350	Peak	Open		
5	0.12	28.66	10.50	18.16	105.00	-77.14	100	163	Peak	Open		
6	0.14	25.64	7.37	18.27	104.67	-79.03	100	354	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	0.63	34.72	15.96	18.76	71.65	-36.93	100	337	Peak	Open		
2	5.08	32.76	13.06	19.70	69.50	-36.74	100	35	Peak	Open		
3	11.19	35.15	13.59	21.56	69.50	-34.35	100	146	Peak	Open		
4	16.00	35.34	13.46	21.88	69.50	-34.16	100	91	Peak	Open		
5	20.78	36.42	13.74	22.68	69.50	-33.00	100	160	Peak	Open		
6	25.13	36.85	13.64	23.21	69.50	-32.65	100	360	Peak	Open		

Tx Mode, 30MHz ~ 1GHz

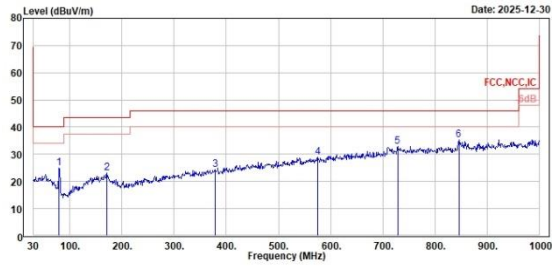
77.25GHz Radar

Horizontal

Vertical



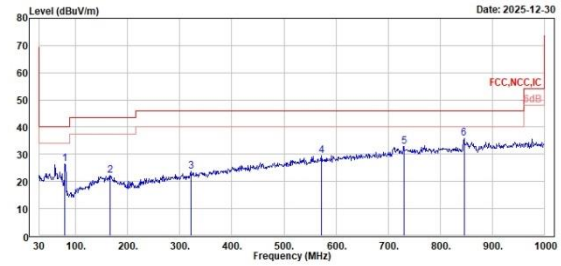
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	79.47	25.07	36.58	-11.51	40.00	-14.93	100	356	Peak	Horizontal	
2	170.65	23.16	30.25	-7.09	43.50	-20.34	200	256	Peak	Horizontal	
3	378.23	24.29	28.43	-4.14	46.00	-21.71	100	332	Peak	Horizontal	
4	575.14	28.91	29.07	-0.16	46.00	-17.09	200	340	Peak	Horizontal	
5	728.40	32.90	30.31	2.59	46.00	-13.10	200	272	Peak	Horizontal	
6	845.77	35.14	31.06	4.08	46.00	-10.86	100	49	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	79.47	26.50	30.01	-11.51	40.00	-13.50	200	169	Peak	Vertical	
2	165.80	22.28	28.70	-6.42	43.50	-21.22	200	183	Peak	Vertical	
3	321.00	23.82	29.12	-5.30	46.00	-22.18	188	360	Peak	Vertical	
4	572.23	29.38	29.61	-0.23	46.00	-16.62	200	313	Peak	Vertical	
5	730.34	33.00	30.36	2.64	46.00	-13.00	100	105	Peak	Vertical	
6	845.77	35.79	31.71	4.08	46.00	-10.21	200	96	Peak	Vertical	

Tx Mode, 1GHz ~ 40GHz

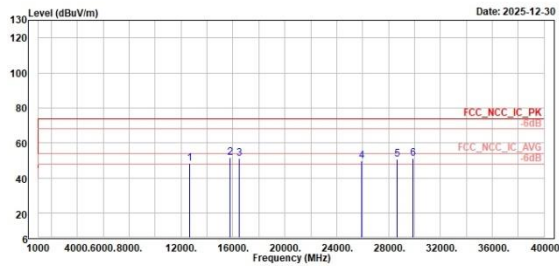
77.25GHz Radar

Horizontal

Vertical



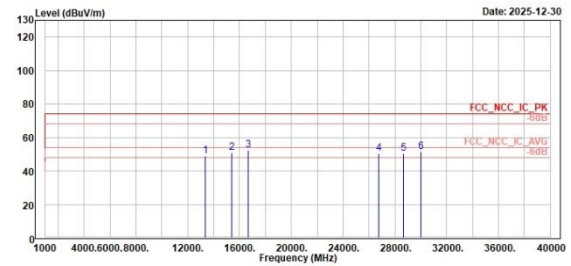
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	12680.00	48.64	38.52	10.12	74.00	-25.36	200	360	Peak	Horizontal	
2	15805.00	51.53	43.25	8.28	74.00	-22.47	200	321	Peak	Horizontal	
3	16490.00	51.25	42.85	8.40	74.00	-22.75	100	287	Peak	Horizontal	
4	25935.53	49.94	47.36	2.58	74.00	-24.06	100	98	Peak	Horizontal	
5	28657.06	50.85	47.52	3.33	74.00	-23.15	200	121	Peak	Horizontal	
6	29868.59	51.26	48.05	3.21	74.00	-22.74	200	257	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	13355.00	48.92	39.62	9.30	74.00	-25.08	100	288	Peak	Vertical	
2	15374.00	50.67	42.34	8.33	74.00	-23.33	100	93	Peak	Vertical	
3	16672.00	52.63	44.23	8.40	74.00	-21.37	200	184	Peak	Vertical	
4	26767.65	50.55	47.38	3.17	74.00	-23.45	200	0	Peak	Vertical	
5	28679.06	50.23	46.09	3.34	74.00	-23.77	100	59	Peak	Vertical	
6	30826.23	51.61	48.38	3.23	74.00	-22.39	100	269	Peak	Vertical	