

Prüfbericht-Nr.: Test report no.:	CN22NYGA(P95M-76G) 001	Auftrags-Nr.: Order no.:	238544116	Seite 1 von 24 Page 1 of 24
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2022-06-01	
Auftraggeber: Client:	CUBTEK INC. Rm. 7, 6F., No.38, Taiyuan St., Zhubei City, Hsinchu County, 30265 Taiwan			
Prüfgegenstand: Test item:	Advanced millimeter wave vehicle turn assist system			
Bezeichnung / Typ-Nr.: Identification / Type no.:	B122-036			
Auftrags-Inhalt: Order content:	FCC Part 95 Test report			
Prüfgrundlage: Test specification:	FCC 47CFR Part 95 Subpart M			
Wareneingangsdatum: Date of sample receipt:	2022-06-03			
Prüfmuster-Nr.: Test sample no.:	A003274378-017			
Prüfzeitraum: Testing period:	2022-06-06 - 2022-06-07			
Ort der Prüfung: Place of testing:	EMC/RF Taipei Testing Site			
Prüflaboratorium: Testing laboratory:	Taipei Testing Laboratories			
Prüfergebnis*: Test result*:	Pass			
zusammengestellt von: compiled by:	genehmigt von: authorized by:			
Datum: Date:	2022-08-30	Ausstellungsdatum: Issue date:	2022-08-30	
Stellung / Position:	Senior Project Manager	Stellung / Position:	Senior Project Manager	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* 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
5 = mangelhaft N/T = nicht getestet				
5 = poor 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. 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.				

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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HISTORY OF THIS TEST REPORT

Revision	Description	Date Issued
00	Original Release	2022-07-04
01	Modified the antenna gain	2022-08-30

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 C63.10-2013
ANSI C63.4-2014

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.: 226631
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 an Advanced millimeter wave vehicle turn assist system. It contains a 76-77GHz 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	Advanced millimeter wave vehicle turn assist system
Type Identification	B122-036
FCC ID	2AN3BB122036

Technical Specification of EUT

Item	EUT information
Operating Frequency	76 ~ 77 GHz
Modulation	FMCW
Operation Voltage	24Vdc
Maximum EIRP (mW)	Average Power: 5.66 Peak Power: 29.54
Antenna Information	Array Antenna with 13.88 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 transceive when power on the device. It was used to enable the operation modes listed as below.

Test Software	None.
---------------	-------

The samples were used as follows:

A003274378-017

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

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 ~ 77	76.45

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 ~ 77	76.45

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 ~ 77	76.45

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 ~ 77	76.45

Test Condition

Test Item	Ambient Temperature	Relative Humidity	Tested by
Radiated Power (e.i.r.p.)	21.3-22.8 °C	51-57 %	Chuan Chu
Occupied Bandwidth	21.3-22.8 °C	51-57 %	Peter Chiou
Radiated Spurious Emissions	21.3-22.8 °C	51-57 %	Chuan Chu
Frequency Stability	21.3-22.8 °C	51-57 %	Peter Chiou

4.3 Special Accessories and Auxiliary Equipment

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

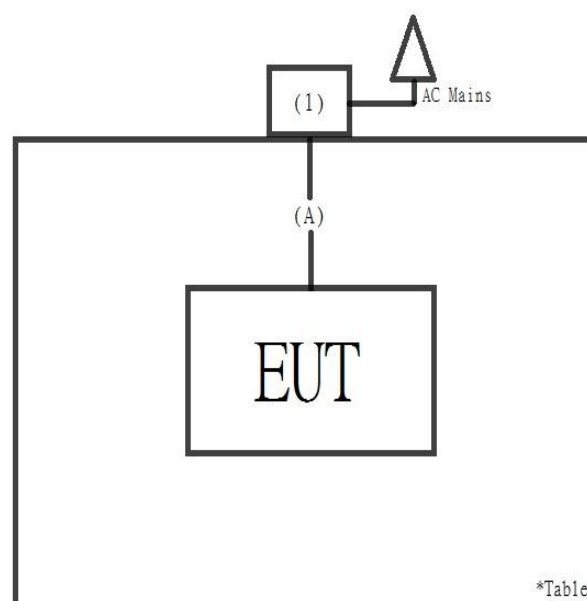
Accessory of EUT

None.

Support Unit

No.	Description	Brand	Model	S/N	Remark
Radiated Test					
A	DC Cable	CUBTEK	-	-	600cm non-shielded cable w/o core
1	Power Supply	GWINSTEK	GPS-3303	-	

4.4 Test Setup Diagram

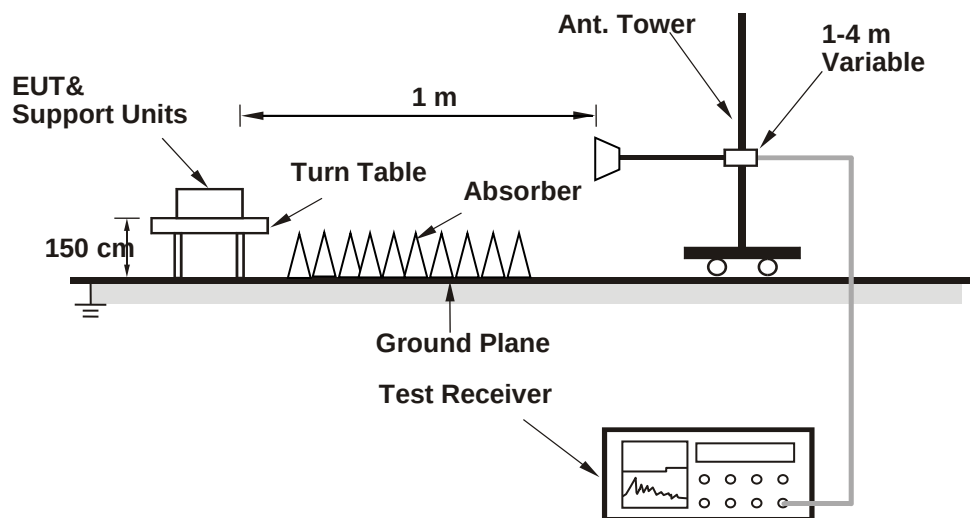


5. Test Results

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: 2013, Clause 9
Kind of Test Site	3m Semi-anechoic Chamber
Test Setup	



Test Instruments

Test Period: 2022/6/6 ~ 2022/6/7

Below 30MHz

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Receiver	R&S	ESR7	102108	2022/4/28	2023/4/27
Microwave Cable	SUCOFLEX 104EA	800056/4EA	804680/4	2022/3/22	2023/3/21
Loop Antenna	SCHWARZBECK	FMZB 1519B	00215	2021/12/8	2022/12/7

30MHz-1GHz

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Receiver	R&S	ESR7	102108	2022/4/28	2023/4/27
Bilog Antenna	SCHWARZBECK	VULB-9168	00951	2022/4/6	2023/4/5
LF-AMP	Agilent	8447D	2944A107722	2022/3/22	2023/3/21

Above 1GHz

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV40	101508	2022/4/13	2023/4/12
Horn Antenna	ETS-Lindgren	3117	00218930	2021/12/20	2022/12/19
HF-AMP + AC source	EMCI	EMC051845SE	980633	2022/2/16	2023/2/15
HF-AMP + AC source	EMCI	EMC184045SE	980657	2022/2/16	2023/2/15
Horn Antenna	SCHWARZBECK	BBHA 9170	00887	2022/3/29	2023/3/28
Coincal Horn Antenna	VDI	WR15CH	1-15	2021/4/12	2024/4/11
Coincal Horn Antenna	VDI	WR12CH	RCH012RL	2021/4/15	2024/4/14
Coincal Horn Antenna	VDI	WR10CH	1-10	2021/2/19	2024/2/19
Coincal Horn Antenna	VDI	WR8.0CH	1-8.0	2021/4/8	2024/4/7
Coincal Horn Antenna	VDI	WR5.1CH	1-5.1	2021/4/8	2024/4/7
Coincal Horn Antenna	VDI	WR3.4DH	1-40	2021/2/18	2024/2/18
Mixer SA	VDI	N9029AV15	SAX 039	2019/7/1	2022/6/30
Mixer SA	VDI	N9029AV12	SAX 243	2019/7/1	2022/6/30
Mixer SA	VDI	N9029AV10	SAX 047	2019/7/1	2022/6/30
Mixer SA	VDI	N9029AV08	SAX 045	2019/7/1	2022/6/30
Mixer SA	VDI	N9029AV05	SAX 044	2019/7/1	2022/6/30
Mixer SA	VDI	N9029AV03	SAX 295	2019/7/1	2022/6/30
Harmonic Mixer	Keysight	M1971W	MY56390137	2019/7/1	2022/6/30
Harmonic Mixer	Keysight	M19HWDX	160118-1	2020/12/8	2023/12/8
Signal Analyzer	Agilent	N9010A	MY52221334	2022/3/9	2023/3/8

Test Result
<Horizontal>

Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
76.45	1	-33.98	21	15.13	55 (Peak)
76.45	1	-59.51	21	-10.40	50 (Average)

<Vertical>

Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)
76.45	1	-19.57	21	29.54	55 (Peak)
76.45	1	-43.45	21	5.66	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

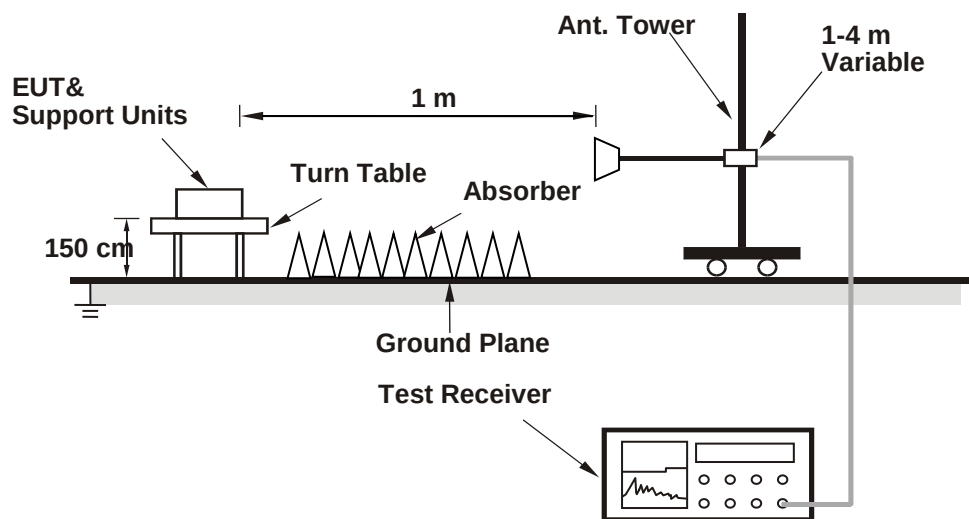
D is the measurement distance

λ is the wavelength

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

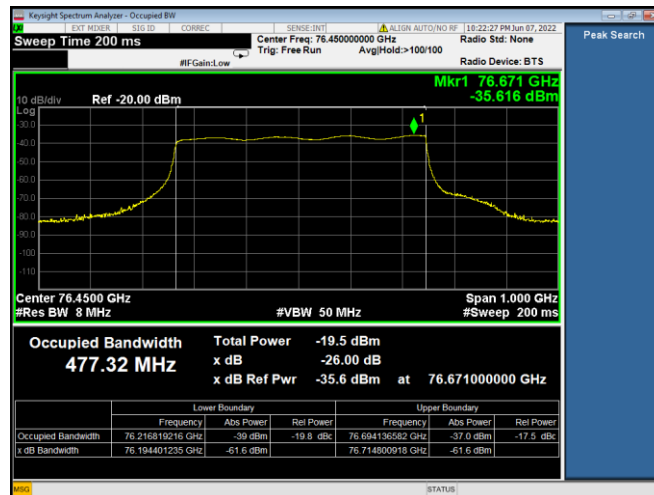


Test Instruments

Kind of Equipment	Manufacturer	Type	S/N	Calibration Date	Calibration Due Date	Test Date	
						From	Until
Signal Analyzer	Agilent	N9010A	MY52221334	2022/3/9	2023/3/8	2022/6/6	2022/6/7
Coincal Horn Antenna	VDI	WR10CH	1-10	2021/2/19	2024/2/18	2022/6/6	2022/6/7
Mixer SA	VDI	N9029AV10	SAX 047	2019/7/1	2022/6/30	2022/6/6	2022/6/7

Test Results

Plot of Occupied Bandwidth

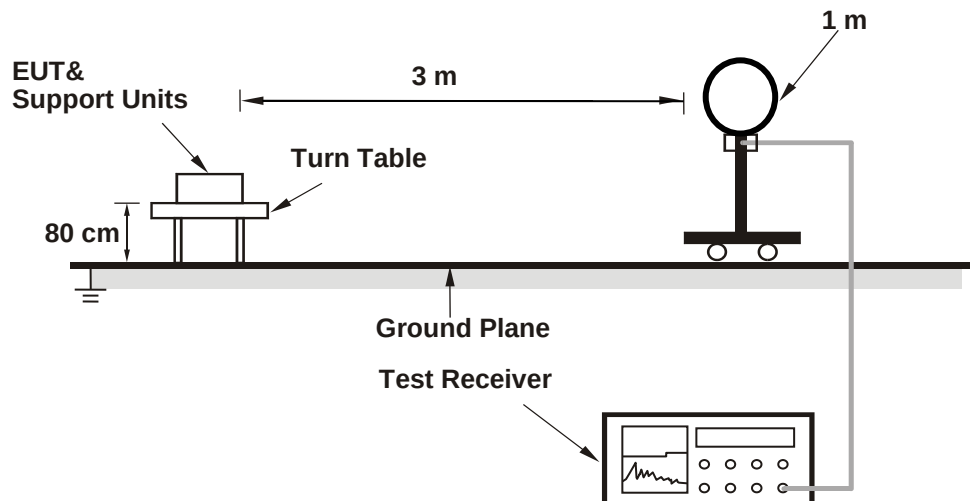


5.1.3 Radiated Emissions

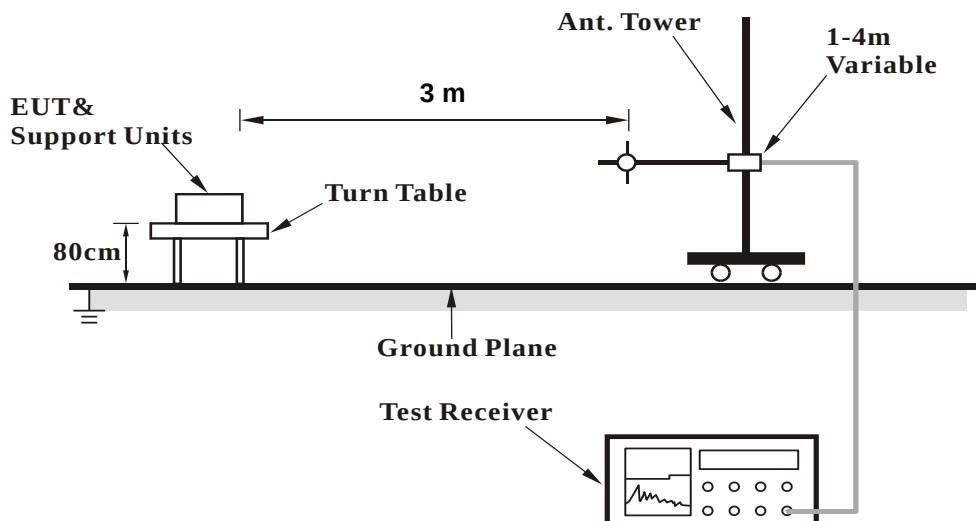
Limit	FCC Part 95.3379 (a)(1) FCC Part 95.3379 (a)(2) FCC Part 95.3379 (a)(3)
Test standard	FCC Part 95.3379
Basic standard	ANSI C63.26: 2015, Clause 5.5
Kind of Test Site	3m Semi-anechoic Chamber

Test Setup

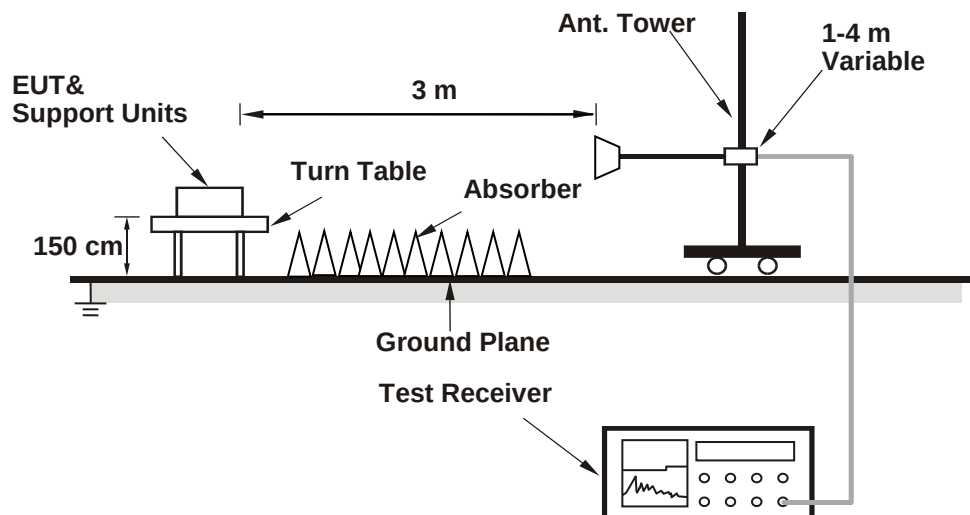
<Radiated Emissions below 30 MHz>



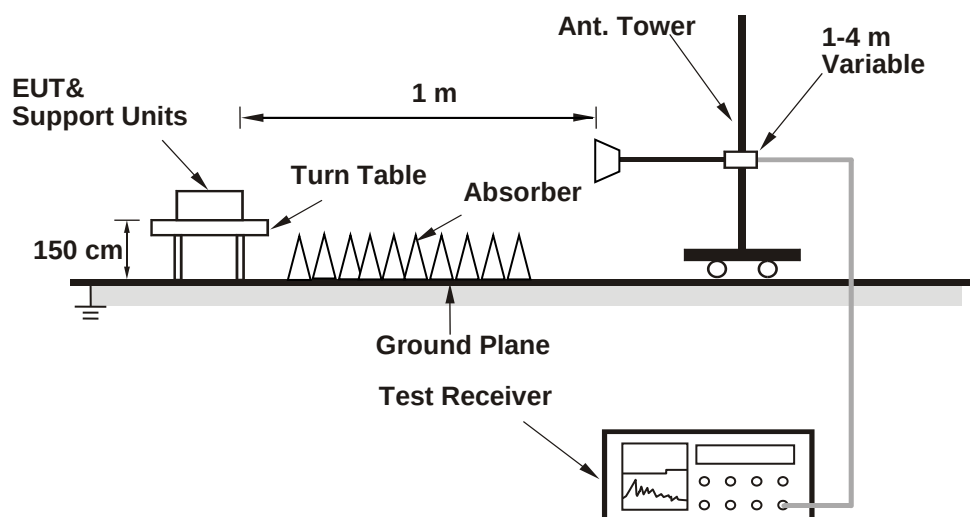
<Radiated Emissions 30 MHz to 1 GHz>



<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 ≥ 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.

Test Results

Below 40GHz Please refer to Appendix A.

Above 40GHz as below:

TX_40G~50G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
44.94	1	-89.678	21	-45.18
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000003	3	0.0000000003	0.03	600

TX_40G~50G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
44.818	1	-90.078	21	-45.61
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000003	3	0.0000000002	0.02	600

TX_50G~75G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
65.432	1	-82.611	21	-34.85
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_50G~75G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
65.567	1	-91.364	21	-43.59
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000004	3	0.0000000004	0.04	600

TX_75G~110G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
83.309	1	-82.395	21	-32.54
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.000000056	3	0.0000000005	0.49	600

TX_75G~110G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
83.575	1	-64.814	21	-14.93
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00003213	3	0.000000284	28.41	600

TX_110G~140G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
115.289	1	-91.24	21	-38.56
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.000000014	3	0.0000000001	0.12	600

TX_110G~140G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
115.301	1	-91.693	21	-39.01
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000013	3	0.000000001	0.11	600

TX_140G~231G_H				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
144.374	1	-91.525	21	-36.89
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000020	3	0.000000002	0.18	600

TX_140G~231G_V				
Frequency (GHz)	Measurement Distance (m)	Measured Power (dBm)	Rx Antenna Gain (dBi)	EIRP (dBm)
140.234	1	-91.186	21	-36.81
EIRP (W)	Specification Distance (m)	Power Density (W/cm ²)	Power Density (pW/cm ²)	Limit (pW/cm ²)
0.00000021	3	0.000000002	0.18	600

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

5.1.4 Frequency Stability

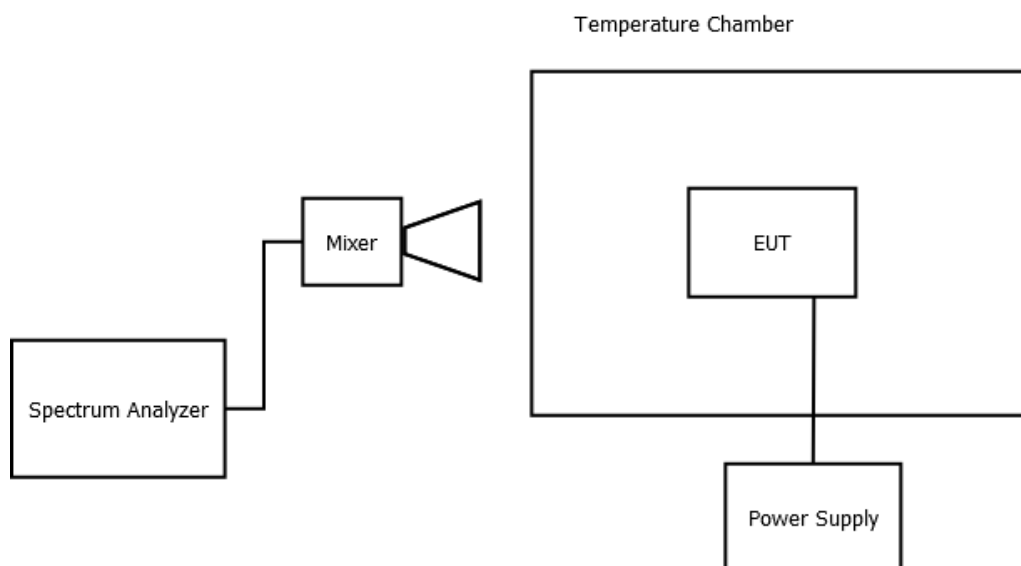
Limit Within assigned band (76GHz to 81GHz)

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
Signal Analyzer	Agilent	N9010A	MY52221334	2022/3/9	2023/3/8	2022/6/6	2022/6/7
Coincal Horn Antenna	VDI	WR10CH	1-10	2021/2/19	2024/2/18	2022/6/6	2022/6/7
Mixer SA	VDI	N9029AV10	SAX 047	2019/7/1	2022/6/30	2022/6/6	2022/6/7

Test Results

Power Supply (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Operating Frequency (MHz)
24	-20	76441.2938	76450
24	-10	76442.0776	
24	0	76441.5071	
24	10	76442.3751	
24	20	76442.3082	
24	30	76444.0579	
24	40	76443.9984	
24	50	76454.3371	

Power Supply (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Operating Frequency (MHz)
32	20	76442.4728	76450
24		76442.3082	
16		76442.4881	

Appendix A: Test Results of Radiated Spurious Emissions

Tx Mode, 9kHz ~ 30MHz

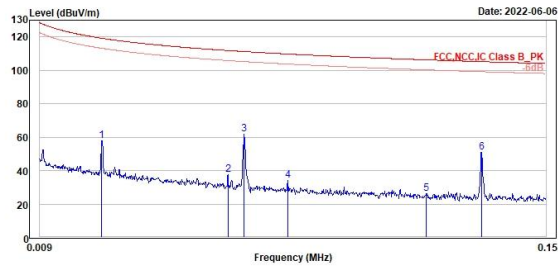


76.45GHz Radar

(Close) 9kHz~150kHz



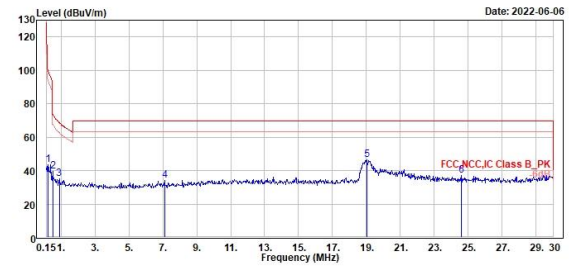
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.03	58.04	38.86	19.18	119.18	-61.14	100	99 QP	Close	
2	0.06	37.43	18.37	19.06	111.82	-74.39	100	231 QP	Close	
3	0.07	61.62	42.66	18.96	111.21	-49.59	100	115 QP	Close	
4	0.08	34.21	15.52	18.69	109.74	-75.53	100	320 QP	Close	
5	0.12	26.21	7.93	18.28	106.25	-80.94	100	154 QP	Close	
6	0.13	50.90	32.57	18.33	105.18	-54.28	100	185 QP	Close	



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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	0.24	43.73	25.01	18.72	100.01	-56.28	100	222 QP	Close	
2	0.51	39.52	20.57	18.95	73.48	-33.96	100	210 QP	Close	
3	0.90	34.87	15.66	19.21	68.56	-33.69	100	241 QP	Close	
4	7.11	33.92	13.69	20.23	69.50	-35.58	100	194 QP	Close	
5	19.02	46.47	24.34	22.13	69.50	-23.03	100	218 QP	Close	
6	24.60	37.22	14.81	22.41	69.50	-32.28	100	106 QP	Close	

Tx Mode, 30MHz ~ 1GHz

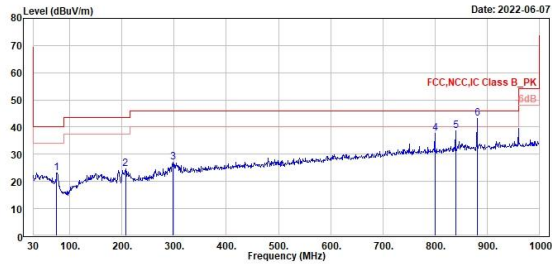
76.45GHz Radar

Horizontal

Vertical



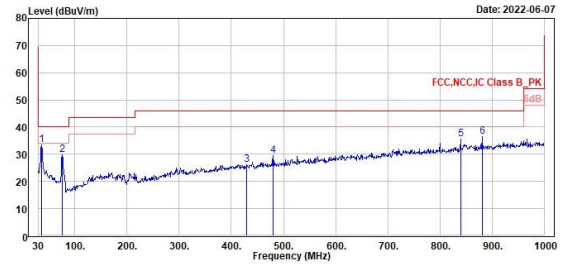
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	74.62	23.23	32.73	-9.50	40.00	-16.77	100	18 Q°	Horizontal	
2	286.54	24.52	32.72	-8.20	43.50	-18.98	100	273 Q°	Horizontal	
3	297.72	26.93	31.71	-4.78	46.00	-19.07	100	132 Q°	Horizontal	
4	800.18	37.77	34.59	3.18	46.00	-8.23	100	215 Q°	Horizontal	
5	839.95	38.54	34.92	3.62	46.00	-7.46	100	217 Q°	Horizontal	
6	888.69	43.29	39.83	4.26	46.00	-2.71	100	206 Q°	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	35.82	33.39	40.15	-6.76	40.00	-6.61	100	75 Q°	Vertical	
2	75.59	29.93	39.51	-9.58	40.00	-10.07	300	89 Q°	Vertical	
3	429.64	26.30	28.80	-2.50	46.00	-19.70	300	187 Q°	Vertical	
4	480.08	29.62	31.68	-2.06	46.00	-16.38	200	163 Q°	Vertical	
5	839.95	35.59	31.97	3.62	46.00	-10.41	100	157 Q°	Vertical	
6	888.69	36.55	32.29	4.26	46.00	-9.45	100	165 Q°	Vertical	

Tx Mode, 1GHz ~ 40GHz

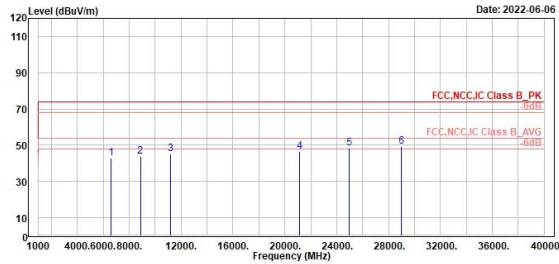
76.45GHz Radar

Horizontal

Vertical



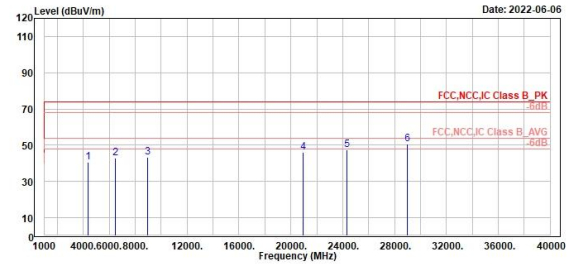
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	6699.00	43.06	50.78	-7.72	74.00	-30.94	391	360	Peak	Horizontal	
2	8863.00	43.73	49.91	-6.18	74.00	-30.27	400	238	Peak	Horizontal	
3	11193.00	45.01	47.03	-2.02	74.00	-28.99	100	88	Peak	Horizontal	
4	21135.00	46.60	46.03	0.57	74.00	-27.40	100	360	Peak	Horizontal	
5	24953.00	46.43	44.12	4.31	74.00	-25.57	300	337	Peak	Horizontal	
6	28985.00	49.30	43.21	6.09	74.00	-24.70	300	190	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	4387.00	40.50	51.05	-10.55	74.00	-33.50	300	184	Peak	Vertical	
2	6449.00	43.03	50.84	-7.81	74.00	-30.97	100	36	Peak	Vertical	
3	8944.00	43.43	49.43	-6.00	74.00	-30.57	100	125	Peak	Vertical	
4	20968.00	46.05	45.70	0.35	74.00	-27.95	106	360	Peak	Vertical	
5	24314.00	47.26	43.65	3.61	74.00	-26.74	300	360	Peak	Vertical	
6	28985.00	50.49	44.40	6.09	74.00	-23.51	173	360	Peak	Vertical	