FCC Test Report For:

Apacer Technology Inc.

EUT: PCIe Pi HAT SSD

Model Number: PT25R-Pi HAT SSD, PX25R-Pi HAT SSD (X=A~Z,0~9)

Prepared for:
Apacer Technology Inc.
1F., No. 32, Zhongcheng Rd., Tucheng Dist., New Taipei City, Taiwan (R.O.C)

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1. CERTIFICATION

Applicant	: Apacer Technology Inc.
EUT Description	: PCIe Pi HAT SSD
Model Number	: PT25R-Pi HAT SSD, PX25R-Pi HAT SSD (X=A~Z,0~9)
Brand Name	: Apacer
Serial Number	: N/A

MEASUREMENT PROCEDURES USED:

☑ **47 CFR FCC Part 15 subpart B**	Radio Frequency Device, Unintentional Radiators
☑ **ANSI C63.4-2014**	Methods of Measurements of Radio-Noise Emissions from Low- Voltage Electrical and Electronic Equipment in the range of 9kHz To 40GHz

THE MEASUREMENT SHOWN IN THE ATTACHMENT WAS MADE IN ACCORDANCE WITH THE PROCEDURES INDICATED, AND THE MAXIMUM ENERGY EMITTED BY THE EQUIPMENT WAS FOUND TO BE WITHIN THE ABOVE LIMITS APPLICABLE.

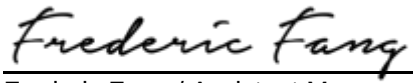
Sample Received Data	**: December 23, 2025**
Date of Test	**: December 23, 2025 - December 29, 2025**
Issue Date	**: January 21, 2026**

In order to ensure the quality and accuracy of this document, the contents have been thoroughly reviewed by the following qualified personnel from Global EMC Standard Tech. Corp..

Documented By :

Mandy Chen / Report Author

Approved By :



Frederic Fang / Assistant Manager

2. SUMMARY OF TEST RESULTS

The worst emission data was found as following

STANDARD	TEST ITEM	TEST RESULT	REMARKS
FCC – ANSI C63.4:2014 Class B	Conducted emission (Mode 1)	PASS	The worst emission frequency is 0.2281 MHz. And minimum passing margin is –11.41 dB.
	Radiated emission (Mode 1)	PASS	The worst emission frequency is 30.2500 MHz at Vertical. And minimum passing margin is -11.42 dB. Height of antenna is 100 cm. Angle of turntable is 179°.
	Radiated emission- Above 1GHz (Mode 1)	PASS	The worst emission frequency is 5966.2400 MHz at Horizontal. And minimum passing margin is -18.32 dB. Height of antenna is 115 cm. Angle of turntable is 272°.

2.1 UNCERTAINTY DESCRIPTION

According to CISPR 16-4-2, the MU of the laboratory is calculated as follows:

Measurement		GESTEK uncertainty
Conducted disturbance (mains port)	150 kHz ~ 30 MHz	4.0 dB.
Radiated disturbance (SAC)	30 MHz ~ 1000 MHz	3.7 dB.
Radiated disturbance (SAC)	1 GHz ~ 26.5GHz	5.0 dB.

According to the description of ANSI C63.4 Section 10.2.8.2, the above MU is not included in the calculation and judgment of the test results.

3. GENERAL INFORMATION

3.1 PRODUCTION DESCRIPTION

Product Name : PCIe Pi HAT SSD
Model Number : PT25R-Pi HAT SSD, PX25R-Pi HAT SSD (X=A~Z,0~9)
Serial Number : N/A
Brand Name : Apacer
Applicant : Apacer Technology Inc.
Address : 1F., No. 32, Zhongcheng Rd., Tucheng Dist., New Taipei City, Taiwan (R.O.C)
Manufacturer : Apacer Technology Inc.
Address : 1F., No. 32, Zhongcheng Rd., Tucheng Dist., New Taipei City, Taiwan (R.O.C)
Power Supply : DC 3.3V

3.2 TEST MODES & EUT COMPONENTS DESCRIPTION

EUT: PCIe Pi HAT SSD, M/N: PT25R-Pi HAT SSD, PX25R-Pi HAT SSD (X=A~Z,0~9)	
Test Mode	**Mode 1- Full Load Read / Write (Worst Case)**
Test Model Number	**PT25R-Pi HAT SSD**

Note:
1. According to pre-scan data, we determine the data (Mode 1) shown in this test report, which reflects the worst-case data for each operation mode.

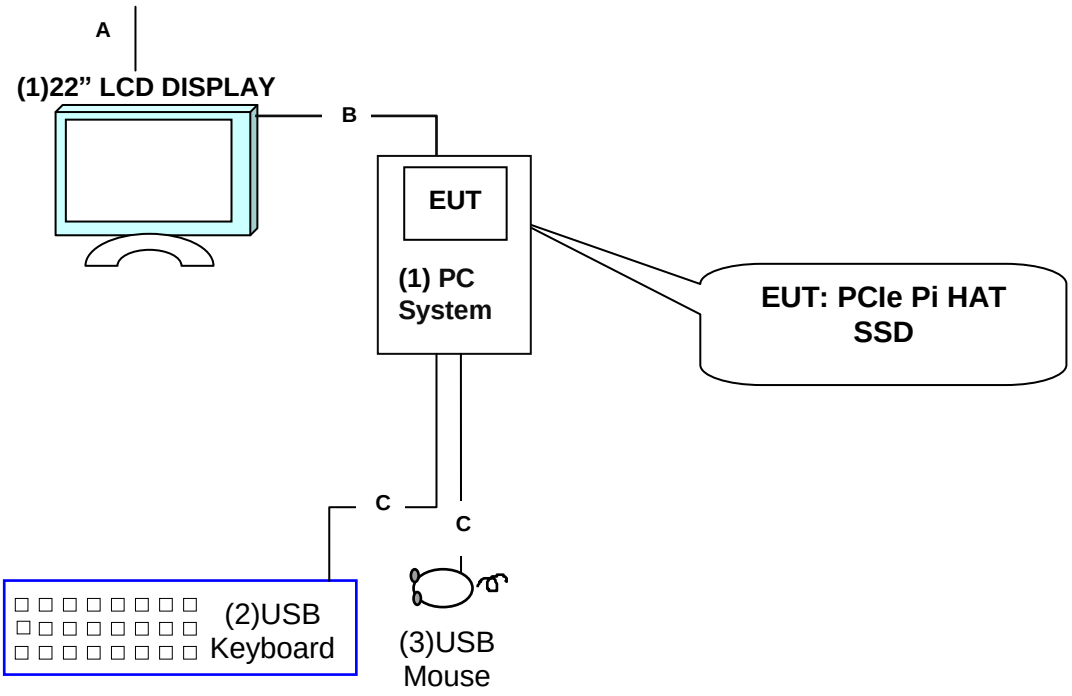
3.3 CONFIGURATION OF THE TESTED SYSTEM

The FCC IDs/Types for all equipment, plus descriptions of all cables used in the tested system (including inserted cards, which have grants) are:

Item	Device	No.	Configuration
1	**PC System**	**GTK001**	Manufacturer :HP Model Name :HP EliteDesk 800 G3 TWR BSMI ID：R3A304 VGA Card: GIGABYTE, M/N:GV-RX550D5-2GD(BSMI ID:D33006) WiFi and BT Card: Manufacturer :Realtek Model Name :RTL8723BE NCC ID:CCAF13LP0670T8 FCC ID:TX2-RTL8723BE
2	**USB Keyboard**	**GTK026**	Manufacturer : Logitech Model Number : YU0036 Serial Number : 2245SC300RY8 BSMI ID : D41126
3	**USB Mouse**	**GTK023**	Manufacturer : PHILIPS Model Number : SPK7234 Serial Number : SPB22100002480 BSMI ID : D39017
4	**22" LCD DISPLAY**	**M01-092**	Manufacturer : AOPEN Model Number : 22CL1Q E3bi Serial Number : MMA5ETT00153507AD63W01 BSMI ID : R33142 FCC ID : N/A AC Power Adaptor : M/N:1-CHUSB202-157 Input:AC IN:100V-240V,50/60Hz ,0.6A Output:DC 12V/2A

Note: All the peripherals above were selected specifically after confirming that there is no impact on test results.

3.4 BLOCK DIAGRAM OF CONNECTIONS BETWEEN EUT AND SIMULATORS



Signal Cable Description of the above support units				
No.	Signal Cable Description	Shielded	Core type	Length (m)
A	Power Cord*2	☐Yes ☒No	☒No ☐1(near EUT) ☐1(near Aux) ☐2	1.8
B	D-SUB Cable	☒Yes ☐No	☐No ☐1(near EUT) ☐1(near Aux) ☒2	1.8
C	USB Cable *2	☐Yes ☒No	☒No ☐1(near EUT) ☐1(near Aux) ☐2	1.8

3.5 REQUIREMENT AMBIENT

Items	Range Requirement
Temperature (°C)	10-40
Humidity (%RH)	10-90
Barometric pressure (mbar)	860-1060

3.1 TEST FACILITY AUTHORIZATION AND ACCREDITATION

Global EMC Standard Tech. Corp. is accredited in respect of laboratory and the accreditation criteria is ISO/IEC 17025: 2017.

AUTHORIZATION	
FCC SITE DESCRIPTION	Aug. 10, 1995 /Aug. 25, 1998 File on FCC Engineering Laboratory Federal Communications Commission Designation Number: TW1032

ACCREDITATION	
Taiwan Accreditation Foundation (TAF)	Recognized by the Council of Taiwan Accreditation Foundation and confirmed to meet the requirements of ISO/IEC 17025. Registration No.: 1082 Registration on TAF effective through Dec. 31, 2026

4. CONDUCTED EMISSION MEASUREMENT

4.1 TEST EQUIPMENTS

Item	Instrument	Manufacturer	Model	S/N or Version	Next Cal. Date
1	TEST RECEIVER	RS	ESCS30	100392	2026.03.05
2	LISN	RS	ENV216	100108	2026.03.05
3	CABLE	GTK	N/A	GTK-E-A154-01	2025.12.30
4	50 ohm Coaxial Switch	Anritsu	MP59B	6200712237	2026.02.13
5	Software	FARAD	EZ-EMC	2A1.1(USB)	N/A

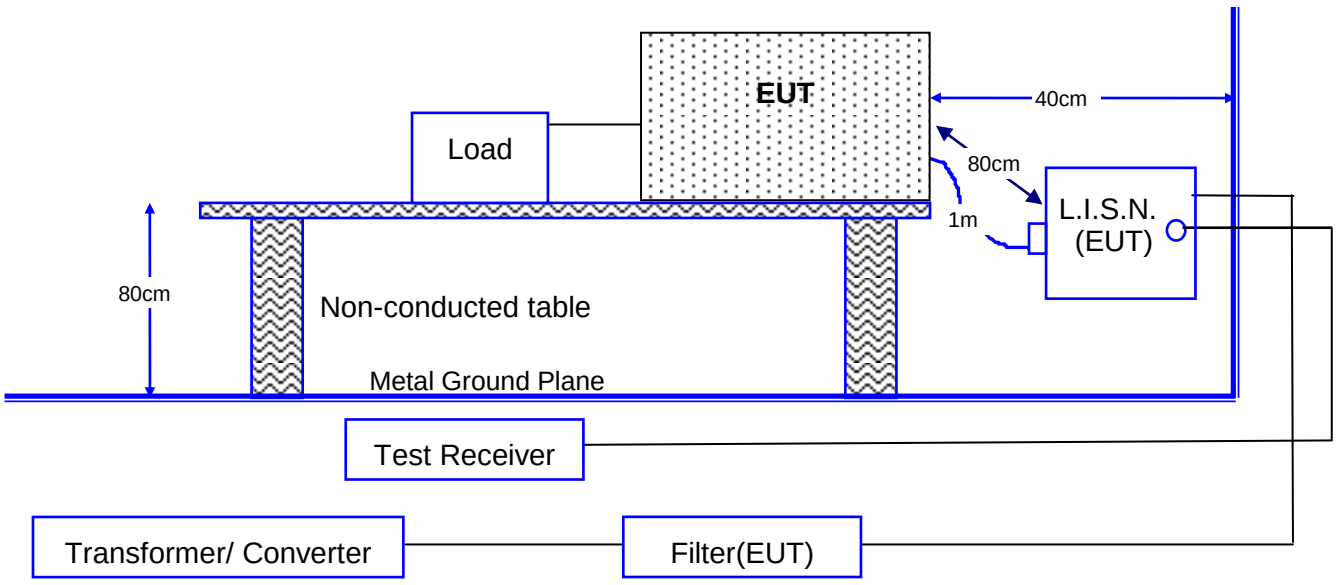
Note: 1. All equipments are calibrated and will be valid only for a period of 1 year.

2. The test was performed at GTK Shielded Room A9.

4.2 TEST METHOD

According to ANSI C63.4-2014

4.3 BLOCK DIAGRAM OF TEST SETUP



Note: This is a representative setup diagram for Table-top EUT.
For Floor-standing EUT, the table will be removed with all others setup condition remain the same.

4.4 CONDUCTED EMISSION LIMITS

Frequency	Voltage limits dB(μV)	
	Class B	
MHz	QUASI-PEAK	AVERAGE
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5.0	56	46
5.0 to 30	60	50

Remarks : In the Above Table, the tighter limit applies at the band edges.

Frequency	Voltage limits dB(μV)	
	Class A	
MHz	QUASI-PEAK	AVERAGE
0.15 to 0.50	79	66
0.50 to 30	73	60

Remarks : In the Above Table, the tighter limit applies at the band edges.

4.5 TEST CONFIGURATION ON MEASUREMENT

The equipments that are listed in section 4.1 are installed on Conducted Power Line Test in order to meet the requirement of the Commission and operating in a manner, which tends to maximize its emission characteristics in a normal application.

The device under test, installed in a representative system as described in section 4.3, was placed on a non-conductive table whose total height equal to 80cm. Powered from one L.I.S.N. which signal output to receiver, and the other peripherals was powered from another L.I.S.N. which signal output was terminated by 50Ω.

4.6 CONDUCTED EMISSION MEASURED PROCEDURE AND DATA

The measurement range of conducted emission, which is from 0.15 MHz to 30 MHz, was scan for peak emission curve of all the test modes. The worst mode is then measured using an average and/or quasi peak detector and record at least the disturbance levels and the frequencies of the six highest disturbances. The final measurement value is equal to the receiver reading plus the correction factor. If AMN insertion loss is more than 0.5dB, automatically the receiver will add the correction factor to the reading level.

4.7 OPERATING CONDITIONS OF THE EUT

The exercise program used during conducted emission measurement was designed to exercise the EUT in a manner similar to a typical use. The exercise sequence is listed as below:

1. Setup the EUT and simulators as shown on 4.3.
2. Turn on the power of all equipments.
3. Connect the notebook and USB read and write.
4. Start test.

4.8 CONDUCTED EMISSION MEASUREMENT RESULTS

Date of Test	December 24, 2025	**Temperature**	21.5 ℃
EUT	PCIe Pi HAT SSD	**Humidity**	52.6 %
Test Mode	Mode 1	**Display Pattern**	Program
Test Power Supply	DC 3.3V (by PC)		

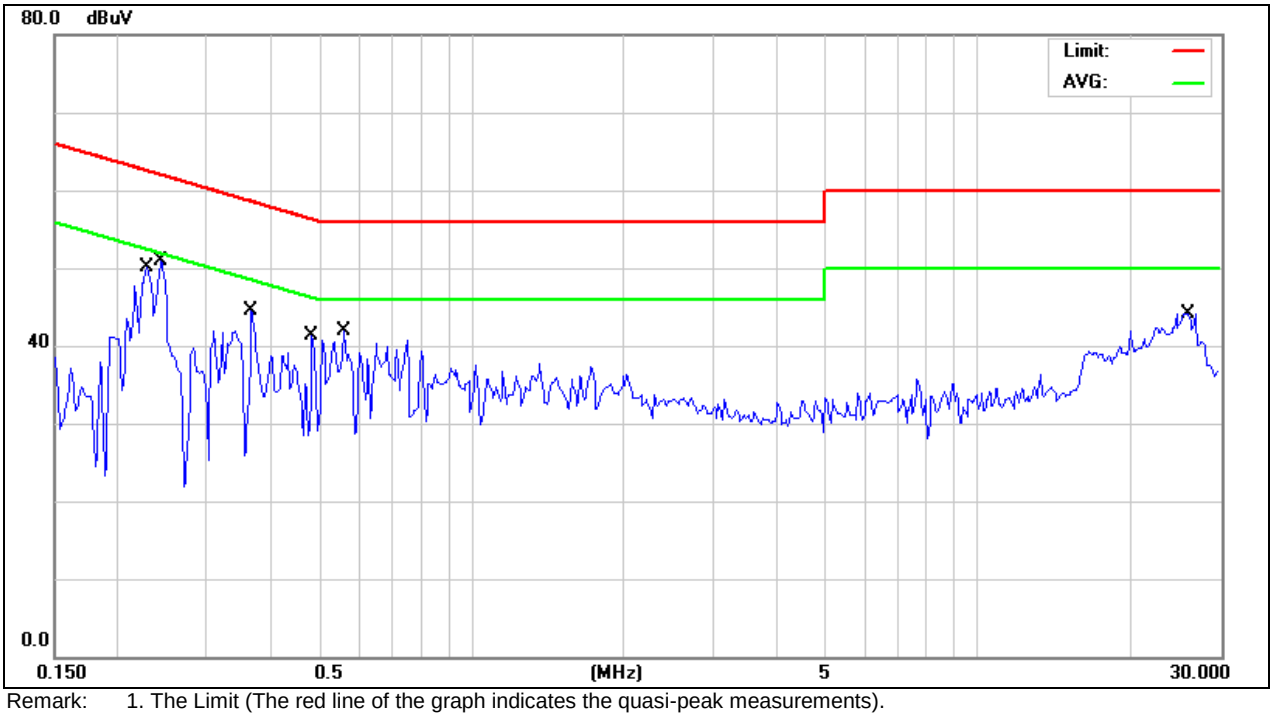
Line

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV	Limit dBµV	Over Limit dB	Detector
1	★0.2281	41.43	9.68	51.11	62.52	-11.41	QP
2	0.2281	26.52	9.68	36.20	52.52	-16.32	AVG
3	0.2456	29.84	9.68	39.52	61.90	-22.38	QP
4	0.2456	12.29	9.68	21.97	51.90	-29.93	AVG
5	0.3677	28.82	9.67	38.49	58.55	-20.06	QP
6	0.3677	26.84	9.67	36.51	48.55	-12.04	AVG
7	0.4845	24.53	9.67	34.20	56.26	-22.06	QP
8	0.4845	15.71	9.67	25.38	46.26	-20.88	AVG
9	0.5619	26.53	9.67	36.20	56.00	-19.80	QP
10	0.5619	20.22	9.67	29.89	46.00	-16.11	AVG
11	25.8448	27.91	10.04	37.95	60.00	-22.05	QP
12	25.8448	19.69	10.04	29.73	50.00	-20.27	AVG

Remarks :

1. All readings are Quasi-peak and Average values.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = L.I.S.N. insertion loss + cable loss
5. " ★ " means that this data is the worse case measurement level.
6. The measurement uncertainty is 4.0 dB.

Line



Remark: 1. The Limit (The red line of the graph indicates the quasi-peak measurements).
2. The AVG (The purple line of the graph indicates the average measurements).
3. The scan curve indicates peak detector measurement.

Date of Test	December 24, 2025	**Temperature**	21.5 ℃
EUT	PCIe Pi HAT SSD	**Humidity**	52.6 %
Test Mode	Mode 1	**Display Pattern**	Program
Test Power Supply	DC 3.3V (by PC)		

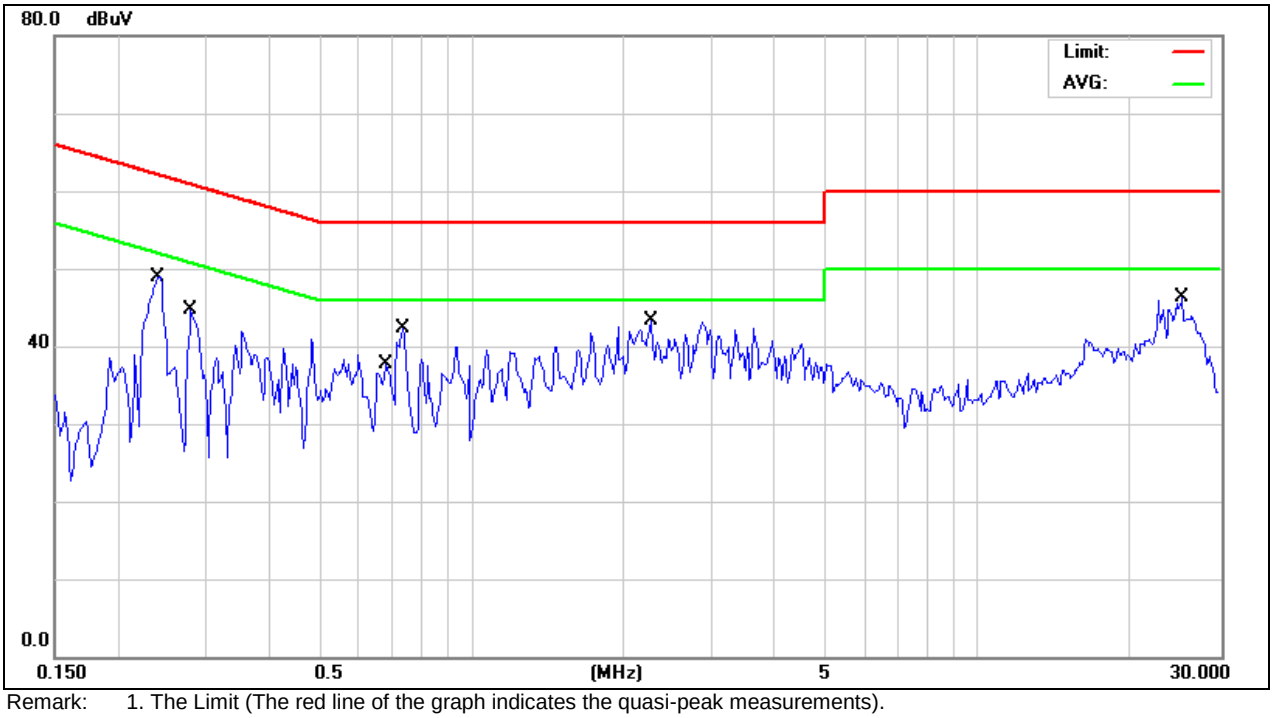
Neutral

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV	Limit dBµV	Over Limit dB	Detector
1	0.2439	30.95	9.67	40.62	61.96	-21.34	QP
2	★0.2439	30.70	9.67	40.37	51.96	-11.59	AVG
3	0.2801	30.74	9.67	40.41	60.81	-20.40	QP
4	0.2801	27.82	9.67	37.49	50.81	-13.32	AVG
5	0.6830	26.79	9.66	36.45	56.00	-19.55	QP
6	0.6830	22.24	9.66	31.90	46.00	-14.10	AVG
7	0.7294	28.36	9.67	38.03	56.00	-17.97	QP
8	0.7294	18.52	9.67	28.19	46.00	-17.81	AVG
9	2.2493	25.21	9.67	34.88	56.00	-21.12	QP
10	2.2493	18.60	9.67	28.27	46.00	-17.73	AVG
11	25.3195	29.50	10.02	39.52	60.00	-20.48	QP
12	25.3195	21.25	10.02	31.27	50.00	-18.73	AVG

Remarks :

1. All readings are Quasi-peak and Average values.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = L.I.S.N. insertion loss + cable loss
5. " ★ " means that this data is the worse case measurement level.
6. The measurement uncertainty is 4.0 dB.

Neutral



Remark: 1. The Limit (The red line of the graph indicates the quasi-peak measurements).
2. The AVG (The purple line of the graph indicates the average measurements).
3. The scan curve indicates peak detector measurement.

5. RADIATED EMISSION MEASUREMENT

5.1 TEST EQUIPMENT

The following test equipments are used during the radiated emission tests:

Item	Instrument	Manufacturer	Model	S/N or Version	Next Cal. Date
1	TEST RECEIVER	RS	ESCS30	100393	2026.04.22
2	SPECTRUM	RS	FSV30	103799	2026.03.05
3	PRE-AMPLIFIER	HP	8447D	2944A08610	2026.03.04
4	PRE-AMPLIFIER	HP	8449B	3008A01264	2026.03.03
5	Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-251	2026.07.03
6	with 5dB PAD	JYEBAO	FAT-NM5NF5T3G2W5	N/A	
	HORN ANTENNA	SCHWARZBECK	BBHA 9120	473	2026.03.03
7	50 ohm Coaxial Switch	Anritsu	MP59B	6200492883	2026.04.01
8	CABLE	GTK	N/A	GTK-E-A344-01	2026.04.01
9	CABLE	GTK	N/A	GTK-E-A346-01	2026.04.01
10	CABLE	INSULATED WIRE INC.	SPS-2801-3940-NPS	03262012	2026.03.05
11	CABLE	SUHNER	SUCOFLEX 104PEA	MY3501/4PEA	2026.07.02
12	Software	FARAD	EZ-EMC	2A1.5(USB)	N/A

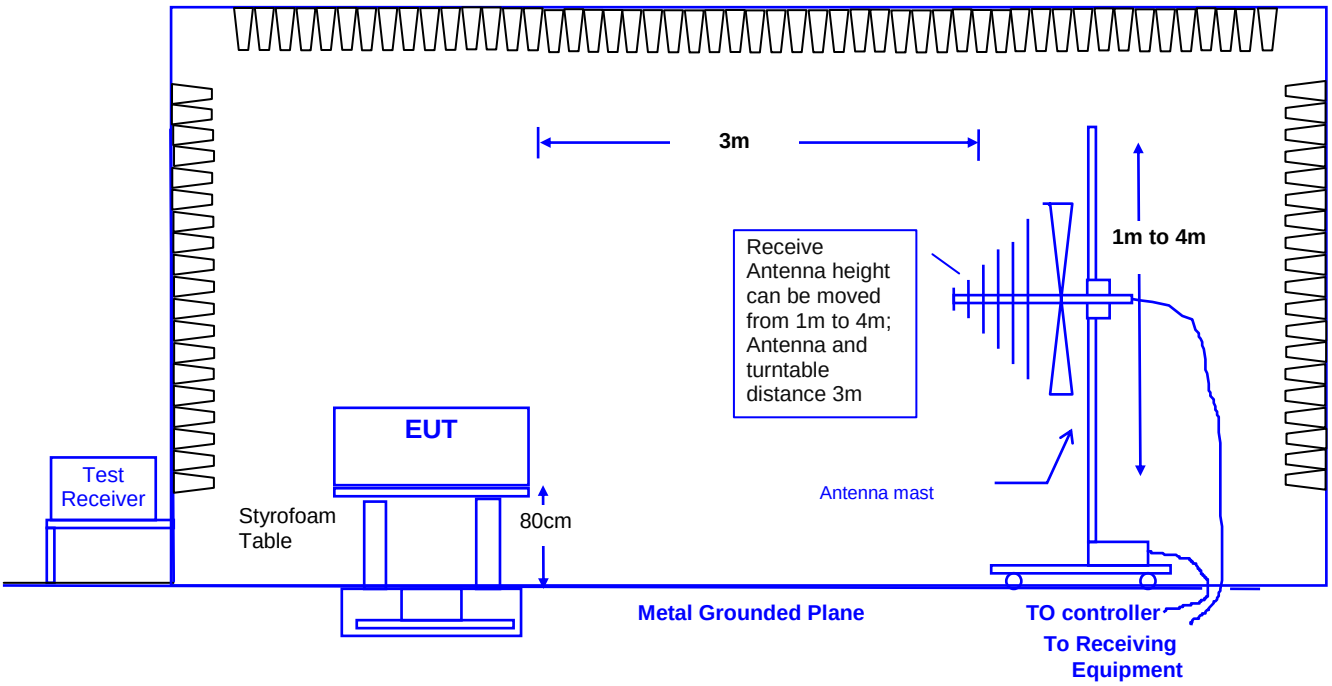
Note: 1. All equipments are calibrated and will be valid only for a period of 1 year.

2. The test was performed at Chamber A6.

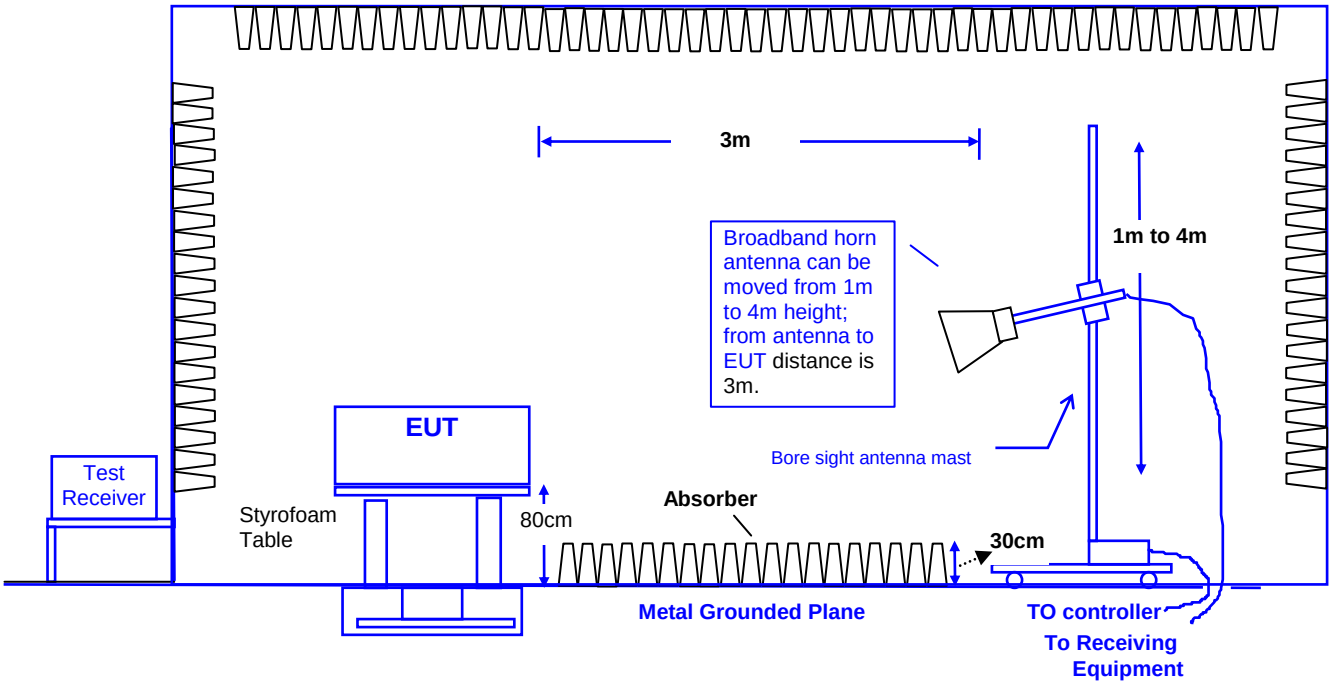
5.2 TEST METHOD

According to ANSI C63.4-2014

5.3 SETUP DIAGRAM



Note: This is a representative setup diagram for Table-top EUT.
For Floor-standing EUT, the table will be removed with all the other setup conditions remain the same.



Note: This is a representative setup diagram for Table-top EUT.
For Floor-standing EUT, the table will be removed with all the other setup conditions remain the same.

5.4 RADIATED EMISSION LIMIT

47CFR Part 15 subpart B section 15.109(a)

Frequency	FCC Class B					
	Distance	Field Strength		Distance	Field Strength	
MHz	Meter	μV/m	dBμV/m	Meter	μV/m	dBμV/m
30 to 88	3	100	40.0	10	30	29.5
88 to 216	3	150	43.5	10	45	33.0
216 to 960	3	200	46.0	10	60	35.5
960 to 1000	3	500	54.0	10	150	43.5
Above 1000[1,2]	3	500	54.0	--	--	--

Note: 1. Frequencies above 1000 MHz, the limits are based on the use of measurement instrumentation employing an average detector function.

2. The peak radio frequency emissions were 20 dB above the maximum permitted Average emission limit applicable to the equipment under test.

(Refer 47CFR Part 15 subpart B section 15.35(b))

3. The tighter limit shall apply at the edge between two frequency bands.

Frequency	FCC Class A					
	Distance	Field Strength		Distance	Field Strength	
MHz	Meter	μV/m	dBμV/m	Meter	μV/m	dBμV/m
30 to 88	3	300	49.5	10	90	39.0
88 to 216	3	500	54.0	10	150	43.5
216 to 960	3	700	56.9	10	210	46.4
960 to 1000	3	1000	60.0	10	300	49.5
Above 1000[1,2]	3	1000	60.0	--	--	--

Note: 1. Frequencies above 1000 MHz, the limits are based on the use of measurement instrumentation employing an average detector function.

2. The peak radio frequency emissions were 20 dB above the maximum permitted Average emission limit applicable to the equipment under test.

(Refer 47CFR Part 15 subpart B section 15.35(b))

3. The tighter limit shall apply at the edge between two frequency bands.

5.5 TEST CONFIGURATION

The equipments which are listed 5.1 are installed on Radiated Emission Test to meet the Commission requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

The device under test, installed in a representative system as described in section 5.3., was placed on a non-conductive table whose total height equaled 80 cm. This table can be rotated 360 degree. The measurement antenna was mounted to a non-conductive mast capable of moving the antenna vertically. Antenna height was varied from 1 meter to 4 meters and the system under test was rotated from 0 degree through 360 degrees relative to the antenna position and polarization (Horizontal and Vertical). Also the I/O cable position was investigated to find the maximum emission condition.

5.6 OPERATING CONDITION OF EUT

Same as section 4.7.

5.7 RADIATED EMISSION DATA

According 47CFR PART 15 subpart B section 15.33(b)(1), the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement rang (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5^{th} harmonic of the highest frequency or 40 GHz, whichever is lower

Remark: The highest tested frequency is generated by the **10 GHz**.
At least, the upper frequency of measurement range is **26.5GHz.**

5.7.1 30 MHz to 1 GHz

The measurement range of radiated emission, which is from **30 MHz to 1 GHz,** was investigated. All readings are quasi-peak values with a resolution bandwidth of 120 kHz. The initial step in collecting radiated emission data is a spectrum analyzer peak scans of the measurement range for all the test modes and then use test receiver for final measurement and record at least the disturbance levels and the frequencies of the six highest disturbances. Then the worst modes were reported the following data pages.

5.7.2 Above 1 GHz

The measurement range of radiated emission, which is from **1 GHz to 26.5 GHz,** was investigated.

All readings with a resolution bandwidth of 1 MHz. Use spectrum analyzer for final peak and average measurement and record at least the disturbance levels and the frequencies of the six highest disturbances. Then the worst modes were reported the following data pages.

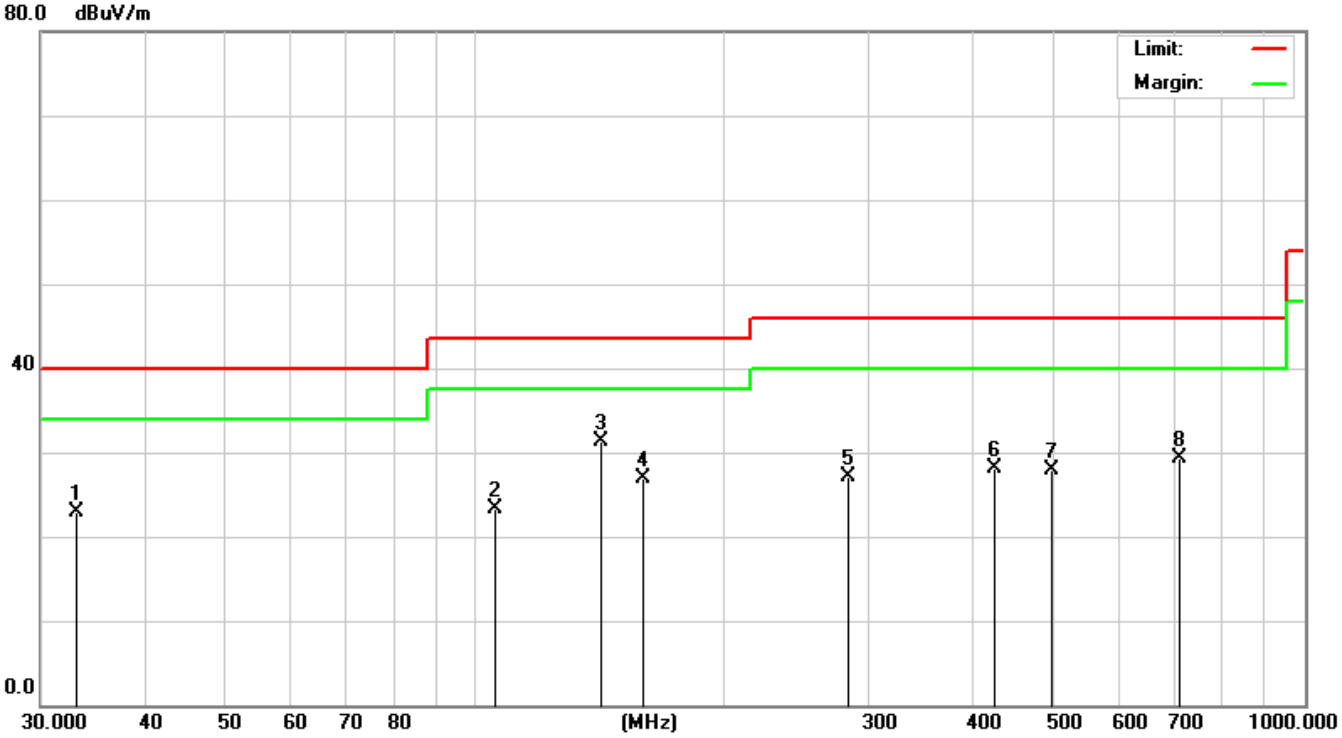
5.8 RADIATED EMISSIONS MEASUREMENT RESULTS

Date of Test	December 23, 2025	**Temperature**	20.8 deg/C
EUT	PCIe Pi HAT SSD	**Humidity**	51.7 %RH
Working Cond.	Mode 1	**Display Pattern**	Program
Antenna distance	10m at **Horizontal**	**Test Frequency Range**	30-1000MHz
Test Power Supply	DC 3.3V (by PC)		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	33.1050	34.15	-11.26	22.89	40.00	-17.11	QP
2	106.2700	35.99	-12.68	23.31	43.50	-20.19	QP
3	★142.6300	40.26	-9.04	31.22	43.50	-12.28	QP
4	160.2400	35.39	-8.42	26.97	43.50	-16.53	QP
5	283.6000	34.27	-7.14	27.13	46.00	-18.87	QP
6	425.1700	31.90	-3.85	28.05	46.00	-17.95	QP
7	498.6700	30.55	-2.63	27.92	46.00	-18.08	QP
8	710.2900	27.59	1.78	29.37	46.00	-16.63	QP

Remarks:

1. All Readings below 1GHz are Quasi-Peak.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. " ★ " means that this data is the worst case measurement level.
6. The antenna height could have ±1cm tolerance and the turn table degree could have ±1° tolerance.
7. The measurement uncertainty is 3.7 dB.



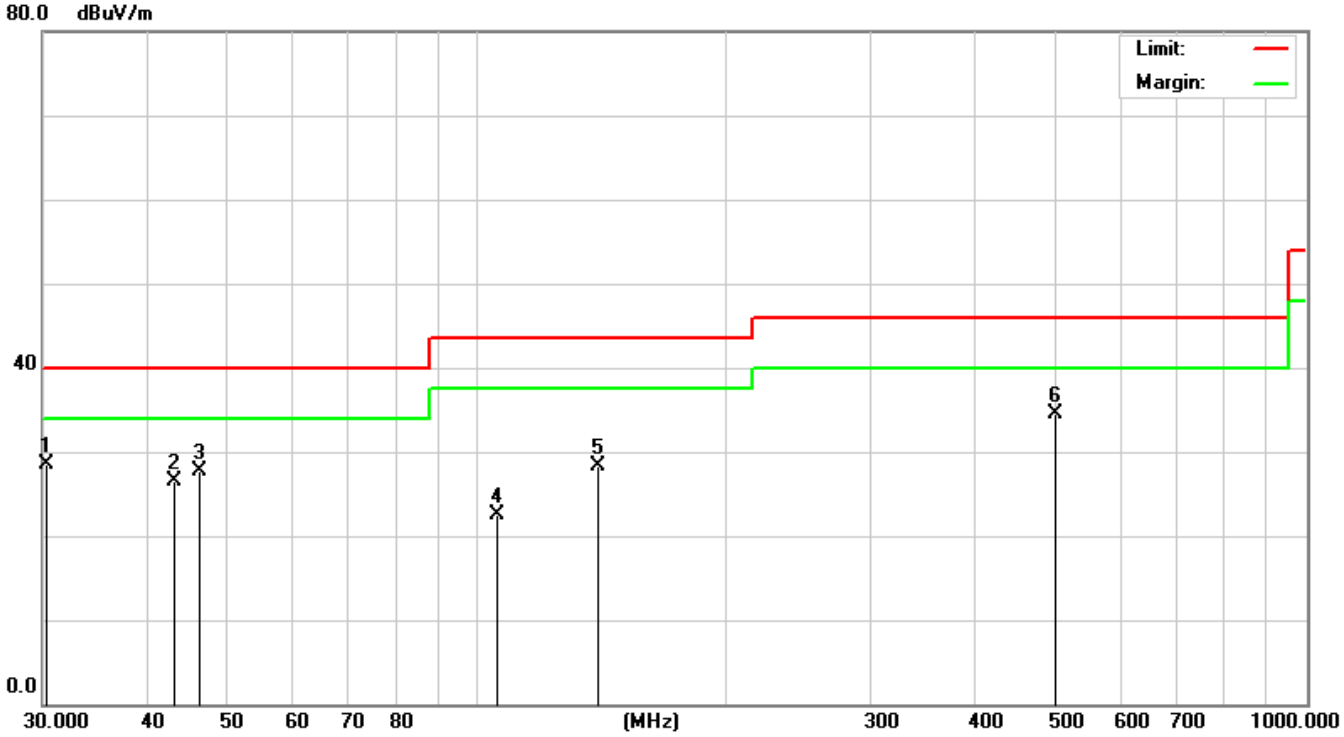
Remark: 1. The Limit (The red line of the graph indicates the quasi -peak measurements).
2. The Margin (The green line of the graph indicates the 6dB margin).

Date of Test	December 23, 2025	**Temperature**	20.8 deg/C
EUT	PCIe Pi HAT SSD	**Humidity**	51.7 %RH
Working Cond.	Mode 1	**Display Pattern**	Program
Antenna distance	10m at **Vertical**	**Test Frequency Range**	30-1000MHz
Test Power Supply	DC 3.3V (by PC)		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	★30.2500	40.02	-11.44	28.58	40.00	-11.42	QP
2	43.1900	36.25	-9.74	26.51	40.00	-13.49	QP
3	46.3500	37.19	-9.56	27.63	40.00	-12.37	QP
4	106.1700	35.29	-12.70	22.59	43.50	-20.91	QP
5	140.1800	37.66	-9.38	28.28	43.50	-15.22	QP
6	499.6200	37.11	-2.64	34.47	46.00	-11.53	QP

Remarks:

1. All Readings below 1GHz are Quasi-Peak.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss – amplifier gain.
5. " ★ " means that this data is the worst case measurement level.
6. The antenna height could have ±1cm tolerance and the turn table degree could have ±1° tolerance.
7. The measurement uncertainty is 3.7 dB.



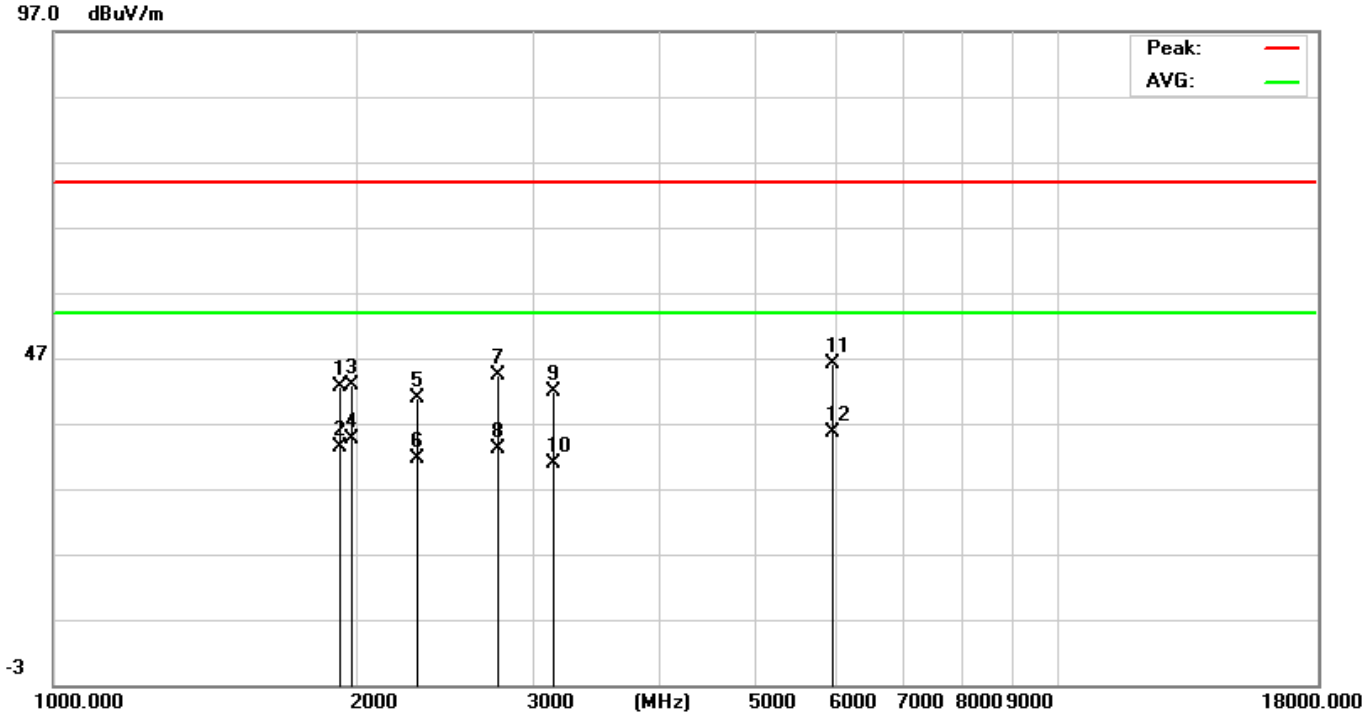
Remark: 1. The Limit (The red line of the graph indicates the quasi -peak measurements).
2. The Margin (The green line of the graph indicates the 6dB margin).

Date of Test	December 29, 2025	**Temperature**	22.4 deg/C
EUT	PCIe Pi HAT SSD	**Humidity**	52.6 %RH
Working Cond.	Mode 1	**Display Pattern**	Program
Antenna distance	3m at **Horizontal**	**Test Frequency Range**	1GHz-26.5GHz
Test Power Supply	DC 3.3V (by PC)		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	1922.0600	50.37	-7.68	42.69	74.00	-31.31	peak
2	1922.0600	41.09	-7.68	33.41	54.00	-20.59	AVG
3	1973.0500	50.18	-7.41	42.77	74.00	-31.23	peak
4	1973.0500	42.01	-7.41	34.60	54.00	-19.40	AVG
5	2300.0100	46.38	-5.49	40.89	74.00	-33.11	peak
6	2300.0100	37.16	-5.49	31.67	54.00	-22.33	AVG
7	2758.1900	49.22	-4.87	44.35	74.00	-29.65	peak
8	2758.1900	38.06	-4.87	33.19	54.00	-20.81	AVG
9	3133.0500	46.33	-4.43	41.90	74.00	-32.10	peak
10	3133.0500	35.39	-4.43	30.96	54.00	-23.04	AVG
11	5966.2400	44.57	1.50	46.07	74.00	-27.93	peak
12	5966.2400	34.18	1.50	35.68	54.00	-18.32	AVG

Remarks:

1. All Readings are Peak and Average value.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss + Coaxial Switch – amplifier gain.
5. The antenna height could have ±1cm tolerance and the turn table degree could have ±1° tolerance.
6. The 1Ghz~26.5Ghz measurement uncertainty is 5.0 dB.



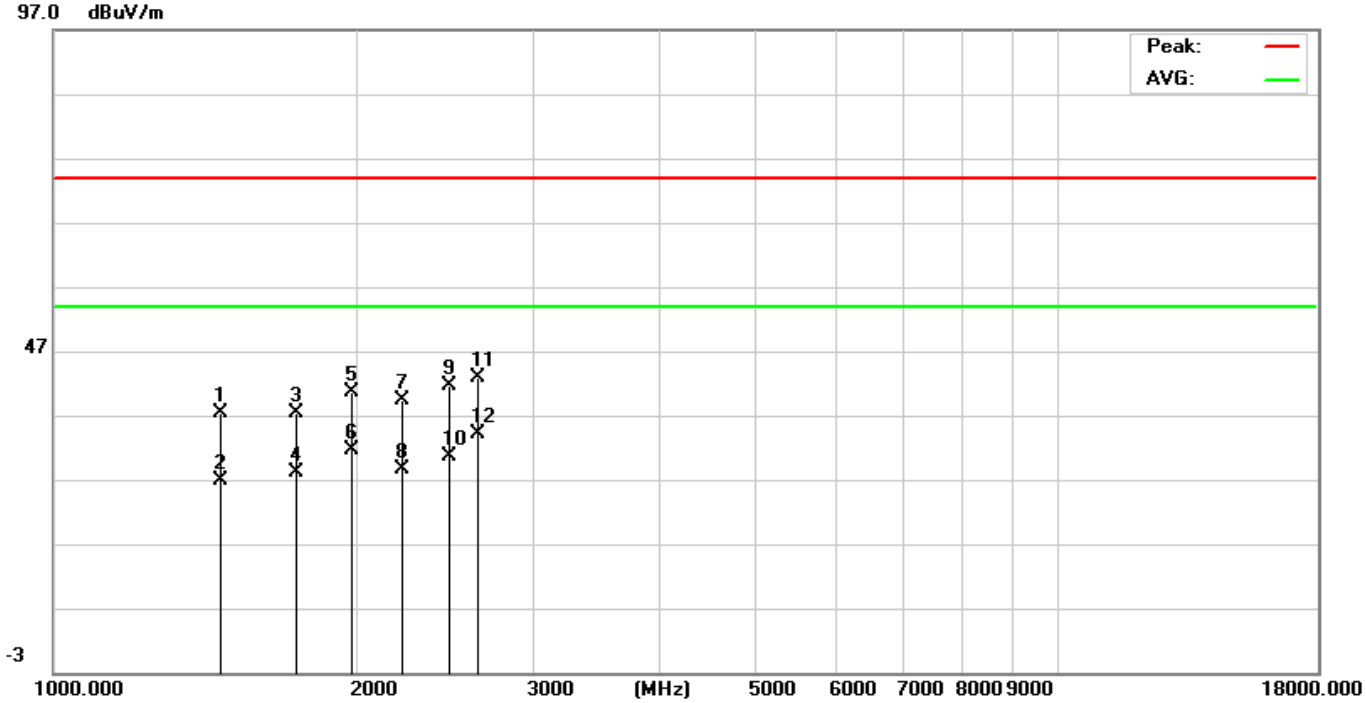
Remark: 1. The Peak (The red line of the graph indicates the peak measurements).
2. The AVG (The purple line of the graph indicates the average measurements).
3. The frequency range indicated in this graph is just a frequency range set automatically by the test equipment. The tested frequency range is mention in above column of the test data table.

Date of Test	December 29, 2025	**Temperature**	22.4 deg/C
EUT	PCIe Pi HAT SSD	**Humidity**	52.6 %RH
Working Cond.	Mode 1	**Display Pattern**	Program
Antenna distance	3m at **Vertical**	**Test Frequency Range**	1GHz-26.5GHz
Test Power Supply	DC 3.3V (by PC)		

No.	Frequency MHz	Reading Level dBµV	Factor dB	Measurement dBµV/m	Limit dBµV/m	Over Limit dB	Detector
1	1466.0200	45.62	-8.20	37.42	74.00	-36.58	peak
2	1466.0200	35.19	-8.20	26.99	54.00	-27.01	AVG
3	1740.0180	46.37	-8.97	37.40	74.00	-36.60	peak
4	1740.0180	37.15	-8.97	28.18	54.00	-25.82	AVG
5	1980.0600	48.11	-7.38	40.73	74.00	-33.27	peak
6	1980.0600	39.06	-7.38	31.68	54.00	-22.32	AVG
7	2222.1700	45.09	-5.61	39.48	74.00	-34.52	peak
8	2222.1700	34.15	-5.61	28.54	54.00	-25.46	AVG
9	2477.0600	47.29	-5.55	41.74	74.00	-32.26	peak
10	2477.0600	36.22	-5.55	30.67	54.00	-23.33	AVG
11	2640.3800	48.09	-5.17	42.92	74.00	-31.08	peak
12	2640.3800	39.38	-5.17	34.21	54.00	-19.79	AVG

Remarks:

1. All Readings are Peak and Average value.
2. Measurement = Reading + Factor (Could have ±0.01 tolerance due to computer automatically round off calculation).
3. Over Limit (Margin Value)=Measurement level-Limit value.
4. Factor = antenna factor + cable loss + Coaxial Switch – amplifier gain.
5. The antenna height could have ±1cm tolerance and the turn table degree could have ±1° tolerance.
6. The 1Ghz~26.5Ghz measurement uncertainty is 5.0 dB.



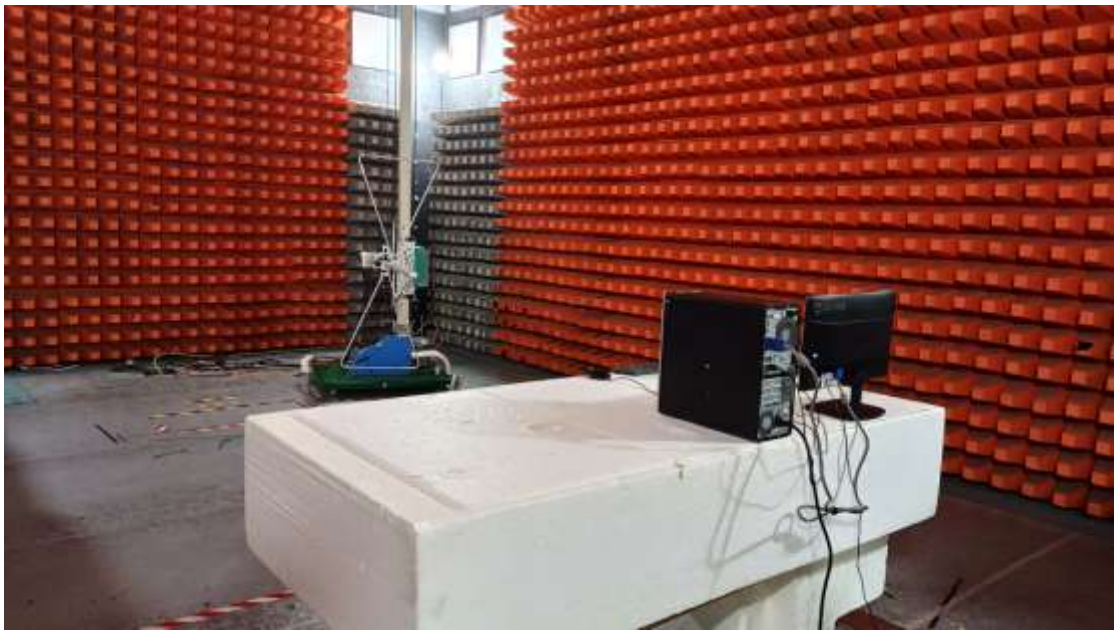
Remark: 1. The Peak (The red line of the graph indicates the peak measurements).
2. The AVG (The purple line of the graph indicates the average measurements).
3. The frequency range indicated in this graph is just a frequency range set automatically by the test equipment. The tested frequency range is mention in above column of the test data table.

6. PHOTOGRAPHS FOR TEST

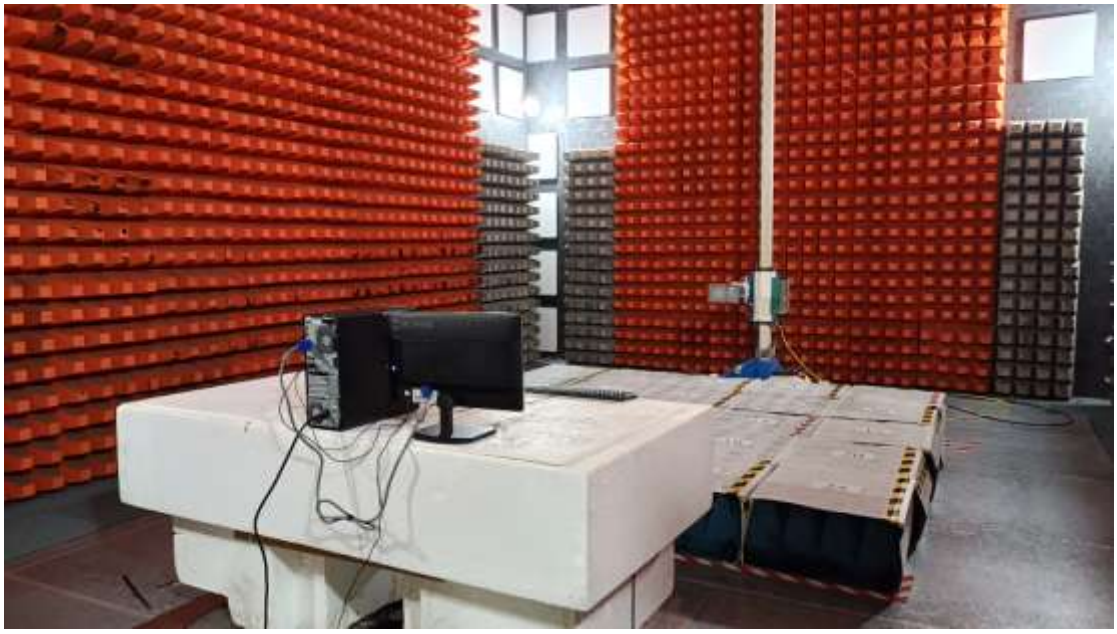
6.1 TEST PHOTOGRAPHS FOR CONDUCTION

6.2 TEST PHOTOGRAPHS FOR RADIATED

(30 MHz to 1 GHz)



(Above 1 GHz)



7. PHOTOGRAPHS FOR PRODUCT

1. Front View of PCIe Pi HAT SSD.
2. Back View of PCIe Pi HAT SSD.