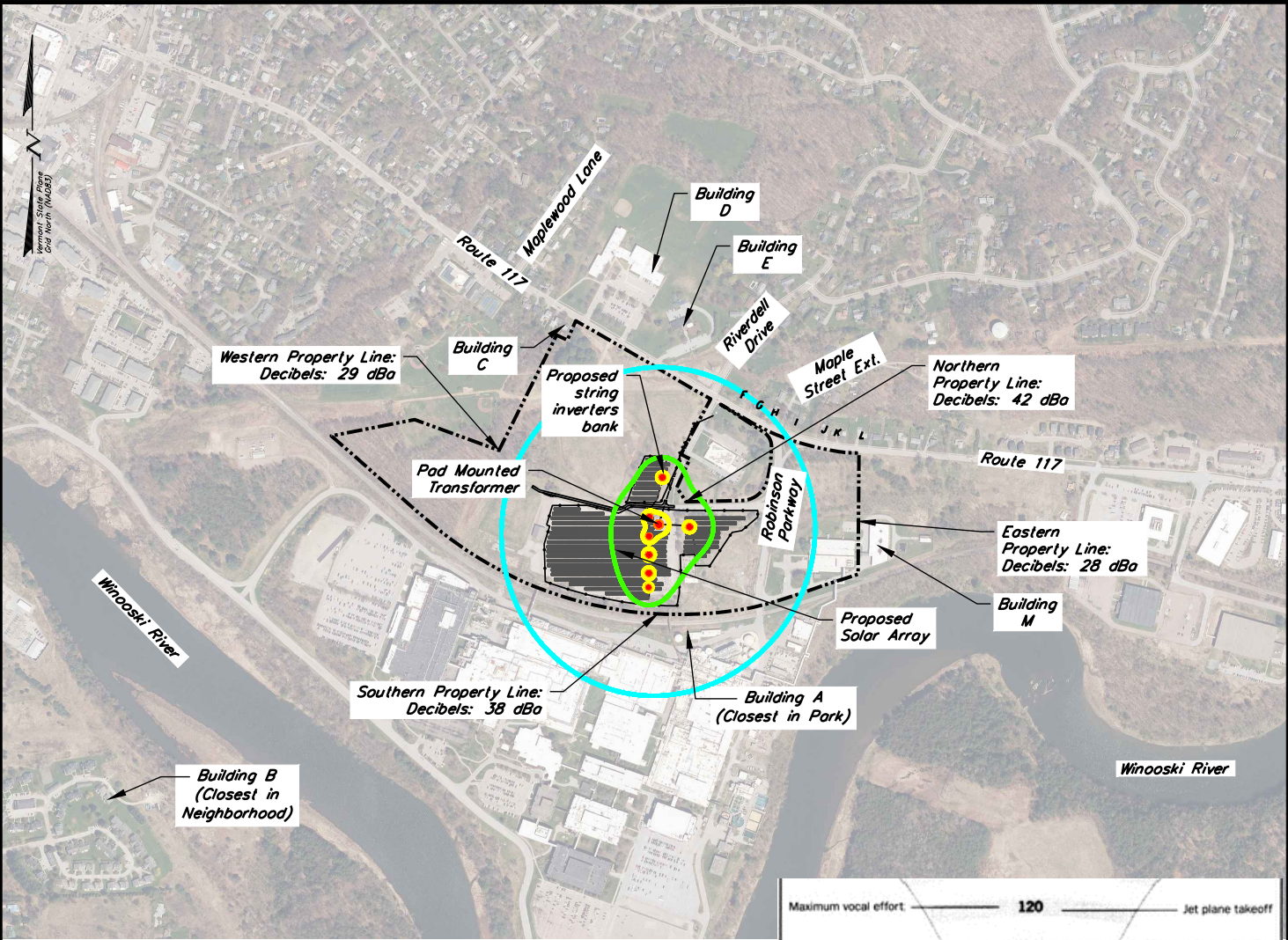


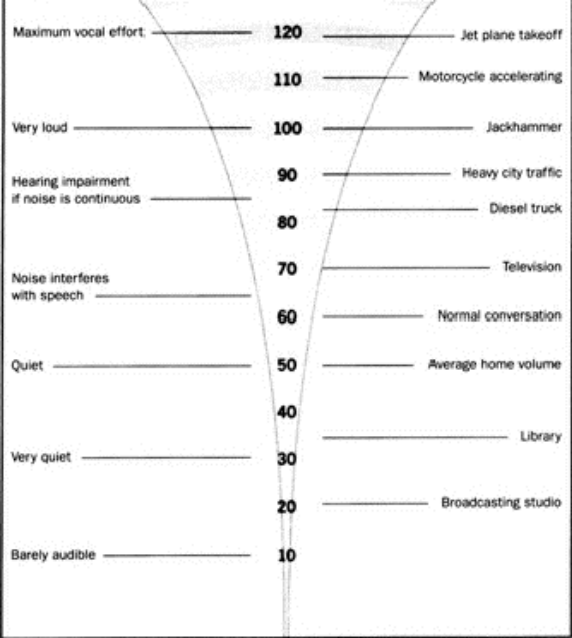
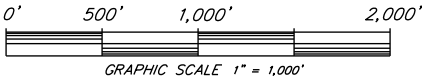


Notes:

1. Chint performed an updated sound study which specifies that the CPS SCH275KTL String Inverter creates less than 66 dBA at a distance of 1 meter from the unit, the calculated sound level at 3 meters is 56.5 dBA. Sound levels for the Cooper 4,200 kVA pad mounted transformer have sound levels of 65 dBA, assuming sound at 3 meters to be conservative.
2. Other decibel ranges were derived using the following distance damping equation $[L2 = L1 - 20 \cdot \log(d1/d2)]$. This damping equation was the only factor considered in decibel range attenuation estimates. Elevation, ambient noise, vegetation, proposed solar array and other structures which would further effect the attenuation of sound levels were not considered in this study. Sound levels depicted are for all (13) Chint CPS SCH275KTL string inverters and (1) 4,200 kVA Cooper pad mounted transformers for the solar array operating simultaneously at maximum noise level. See additional calculation information on Sound 2, Sound 3 and Sound 4.
3. Plans Sound 3 & Sound 4 run the calculations for nighttime operation. Site inverters make negligible noise when not loaded with power. For this calculation we assume they will make no noise. The site transformers do still make noise at night, to be conservative the nighttime calculation models the transformers running at maximum noise.
4. Sound levels reported do not account for any background noise. Local background noise may exceed sound created by project equipment.

Legend:

- +70 dBA range
- 60 dBA range
- 50 dBA range
- 40 dBA range
- 30 dBA range



Decibel Breakdown Compared to Everyday Noises



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**FULL OPERATION DAYTIME
SOUND LEVEL PLAN**

**Basic Sound Level Estimates for
Noise Produced by Project Equipment**

DRAWN BY: GTD

CHECKED BY: GTD

Project: ER Global Foundries, Project A

Location: Robinson Parkway, Essex Junction, VT

Source Data:
Chart found at
www.soundinstitute.com/article_detail.cfm/ID/95

Revision Date:

Plan ID:

Sound 1

Scale:
1" = 1,000'

Date:
06/13/24

ER Global Foundries, Project A - Robinson Parkway, Essex Junction, Vermont - DAYTIME

Sound Source #	Easting (feet)	Northing (feet)	Noise Level (dBa @ 3 Meters)
Chint CPS SCH-275-KTL (13)	See Plan	See Plan	56.5
Cooper 4,200 kVA Pad Mounted Trans. (1)	See Plan	See Plan	65.0
Formulas used for Calculations			
Adding of Noise Levels			
$L_T = 10 \times \log_{10} (10^{L_1/10} + 10^{L_2/10} + \dots + 10^{L_n/10})$			
Where:			
L _T = Total noise level of all equipment			
L _n = Noise level for each piece of equipment			
Noise Level Changes with Distance			
$L_b = L_a - 20 \times \log_{10} (D_b/D_a)$			
Where:			
L _b = Noise level at new distance			
L _a = Noise level at original distance			
D _b = New distance from source of noise			
D _a = Original distance from source of noise			
Equipment:	1 Meter	3 Meter	
Chint CPS SCH 275 KTL - String Inverters	66.000	56.458	
Cooper 4,200 kVA Pad Mounted Transformer	-	65.000	
Points of Interest	Easting (feet)	Northing (feet)	Estimated Noise Level Based on Project Components (Sound Pressure, dBa)
Northern Property Line	1,484,506.25	723,363.73	42
Eastern Property Line	1,485,526.29	723,245.80	28
Southern Property Line	1,484,313.30	722,701.81	38
Western Property Line	1,483,399.67	723,667.56	29
Business Building A	1,484,504.43	722,605.67	34
Residential Building B	1,481,138.81	721,613.07	18
Residential Building C	1,483,796.96	724,371.27	27
School Building D	1,484,344.54	724,623.74	26
Business Building E	1,484,530.43	724,342.79	28
Residential Building F <i>Closest to Project</i>	1,484,843.82	723,950.20	30
Residential Building G	1,484,933.71	723,908.43	30
Residential Building H	1,485,031.86	723,865.17	30
Residential Building I	1,485,168.01	723,821.91	29
Residential Building J	1,485,301.19	723,777.54	28
Residential Building K	1,485,393.49	723,755.94	28
Residential Building L	1,485,538.82	723,734.68	27
Business Building M	1,485,588.21	723,182.61	27

Chint specifies that the CPS SCH275KTL String Inverter creates less than 66 dBa at a distance of 1 meter from the unit, the calculated sound level at 3 meters is 56.5 dBa.

Sound levels for the 4,200 kVA pad mounted transformers have sound levels of 65 dBA, assuming sound at 3 meters to be conservative.

Points of Interest were chosen based on close proximity to the proposed project.



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FULL OPERATION DAYTIME
SOUND LEVEL PLAN

Basic Sound Level Estimates for
Noise Produced by Project Equipment

DRAWN BY: GTD

CHECKED BY: GTD

Project: ER Global Foundries, Project A

Location: Robinson Parkway, Essex Junction, VT

Source Data:

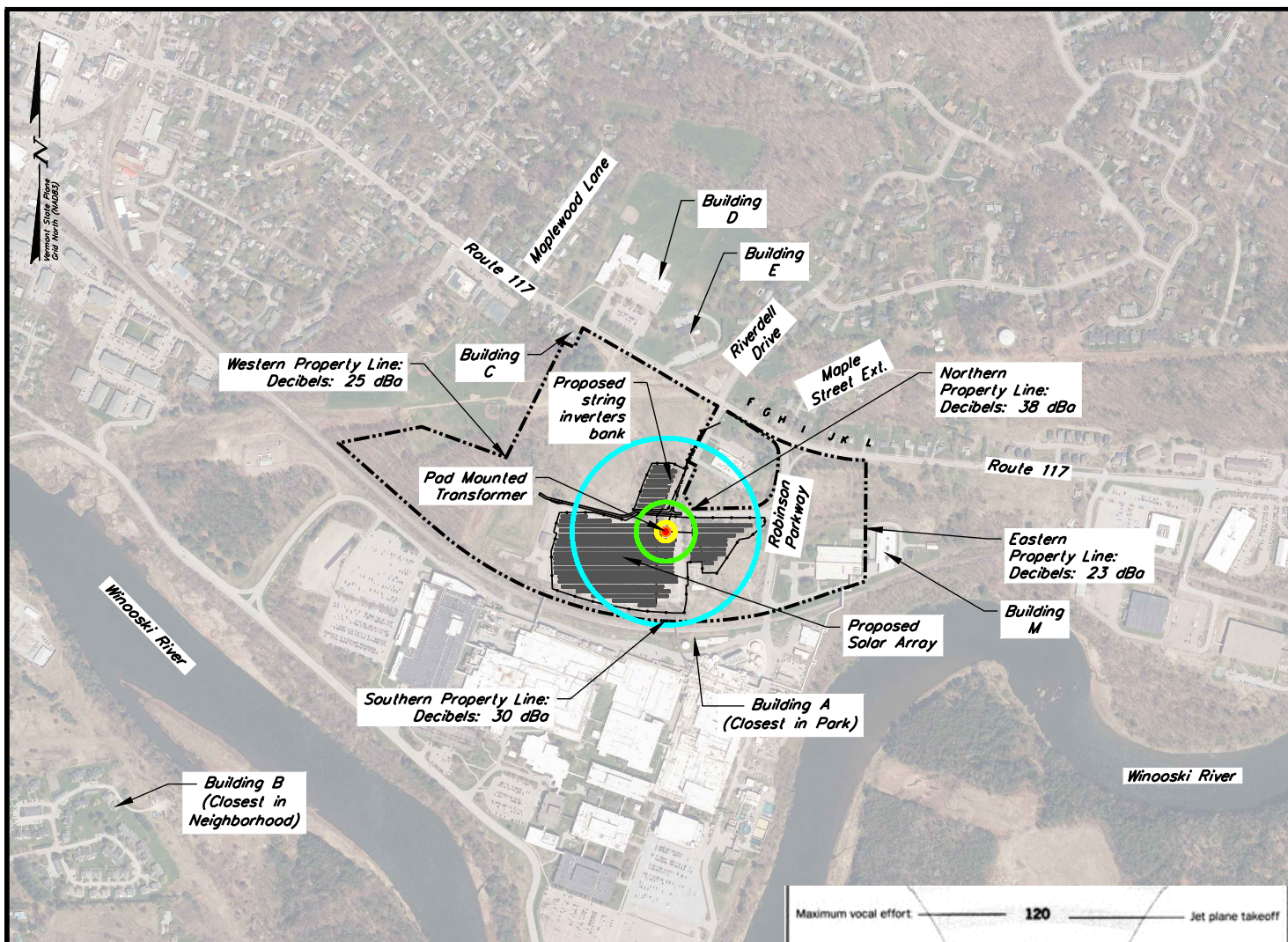
Revision Date:

Plan ID:

Sound 2

Scale:
N/A

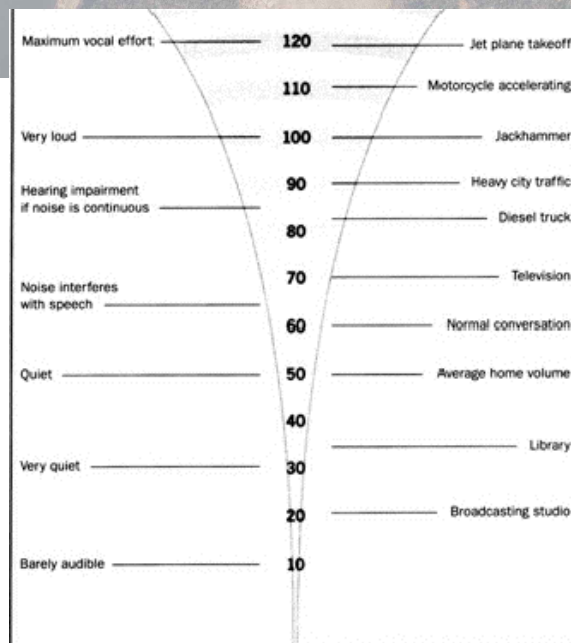
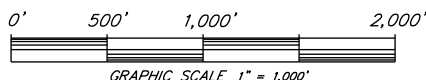
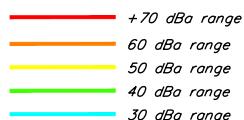
Date:
06/13/24



Notes:

1. Sound levels for the Cooper 4,200 kVA pad mounted transformer have sound levels of 65 dBA, assuming sound at 3 meters to be conservative.
2. Other decibel ranges were derived using the following distance damping equation $[L_2 = L_1 - 20 \text{ Log}(d_1/d_2)]$. This damping equation was the only factor considered in decibel range attenuation estimates. Elevation, ambient noise, vegetation, proposed solar array and other structures which would further effect the attenuation of sound levels were not considered in this study. Sound levels depicted are for all (1) 4,200 kVA Cooper pad mounted transformers for the solar array operating simultaneously at maximum noise level.
3. Sound levels reported do not account for any background noise. Local background noise may exceed sound created by project equipment.

Legend:



Decibel Breakdown Compared to Everyday Noises

NIGHTTIME OPERATION SOUND LEVEL PLAN

Basic Sound Level Estimates for Noise Produced by Project Equipment

DRAWN BY:

GTD

CHECKED BY:

GTD

Project: ER Global Foundries, Project A

Location: Robinson Parkway, Essex Junction, VT

Source Data:

Chart found at

www.soundinstitute.com/article_detail.cfm/ID/95

Revision Date:

Plan ID:

Sound 3

Scale:

1" = 1,000'

Date:

06/13/24

ER Global Foundries, Project A - Robinson Parkway, Essex Junction, Vermont - NIGHTTIME

Sound Source #	Easting (feet)	Northing (feet)	Noise Level (dBA @ 3 Meters)
Cooper 4,200 kVA Pad Mounted Trans. (1)	See Plan	See Plan	65.0
Formulas used for Calculations			
Adding of Noise Levels			
$L_T = 10 \times \log_{10} (10^{L_1/10} + 10^{L_2/10} + \dots + 10^{L_n/10})$			
Where:			
L_T = Total noise level of all equipment			
L_n = Noise level for each piece of equipment			
Noise Level Changes with Distance			
$L_b = L_a - 20 \times \log_{10} (D_b/D_a)$			
Where:			
L_b = Noise level at new distance			
L_a = Noise level at original distance			
D_b = New distance from source of noise			
D_a = Original distance from source of noise			
Equipment:	1 Meter	3 Meter	
Cooper 4,200 kVA Pad Mounted Transformer	-	65.000	
Points of Interest	Easting (feet)	Northing (feet)	Estimated Noise Level Based on Project Components (Sound Pressure, dBA)
Northern Property Line	1,484,506.25	723,363.73	38
Eastern Property Line	1,485,526.29	723,245.80	23
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Business Building A	1,484,504.43	722,605.67	29
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Residential Building H	1,485,031.86	723,865.17	25
Residential Building I	1,485,168.01	723,821.91	25
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Residential Building L	1,485,538.82	723,734.68	23
Business Building M	1,485,588.21	723,182.61	23

Sound levels for the 4,200 kVA pad mounted transformers have sound levels of 65 dBA, assuming sound at 3 meters to be conservative.

Points of Interest were chosen based on close proximity to the proposed project.

Site inverters make negligible noise when not loaded with power. For this calculation we assume they will make no noise.



NIGHTTIME OPERATION SOUND LEVEL PLAN		Project: ER Global Foundries, Project A	Plan ID:
Basic Sound Level Estimates for Noise Produced by Project Equipment		Location: Robinson Parkway, Essex Junction, VT	Sound 4
		Source Data:	
DRAWN BY: GTD	CHECKED BY: GTD	Revision Date:	Scale: N/A
			Date: 06/13/24

Three-phase pad-mounted PEAK™ transformer



General

Eaton's Cooper Power™ series PEAK™ transformers represent the next generation of transformer design, and with three distinct product offerings there is a PEAK transformer to fit your needs. The first PEAK transformer option is a 75 °C average winding rise (AWR) design that offers users a potentially smaller and lighter footprint than today's 65 °C AWR transformers. This design is ideal for applications with cost, weight, or dimensional constraints. The second PEAK transformer option is a 65/75 °C AWR design that offers users sustained overload capacity while maintaining IEEE Std C57.91™-2011 standard per unit life requirements. This design offers customers flexibility in transformer sizing by offering the ability to accommodate future load growth without oversizing relative to current load, or the ability to meet periods of peak demand without oversizing based on continuous load. The third PEAK transformer option is a 55/75 °C AWR design that provides up to 22% additional loading capacity when compared to traditional mineral oil-filled transformers.

With all PEAK product offerings utilizing thermally upgraded kraft paper and Envirotemp™ FR3™ dielectric fluid, PEAK transformers offer customers a solution that is fully compatible with the new IEEE® standard for transformers using high-temperature insulation systems, IEEE Std C57.154™-2012 standard. In addition, all PEAK transformers provide the high fire point and environmental benefits of Envirotemp™ FR3™ fluid. PEAK transformers are available in various designs and configurations to match almost every application.



Powering Business Worldwide

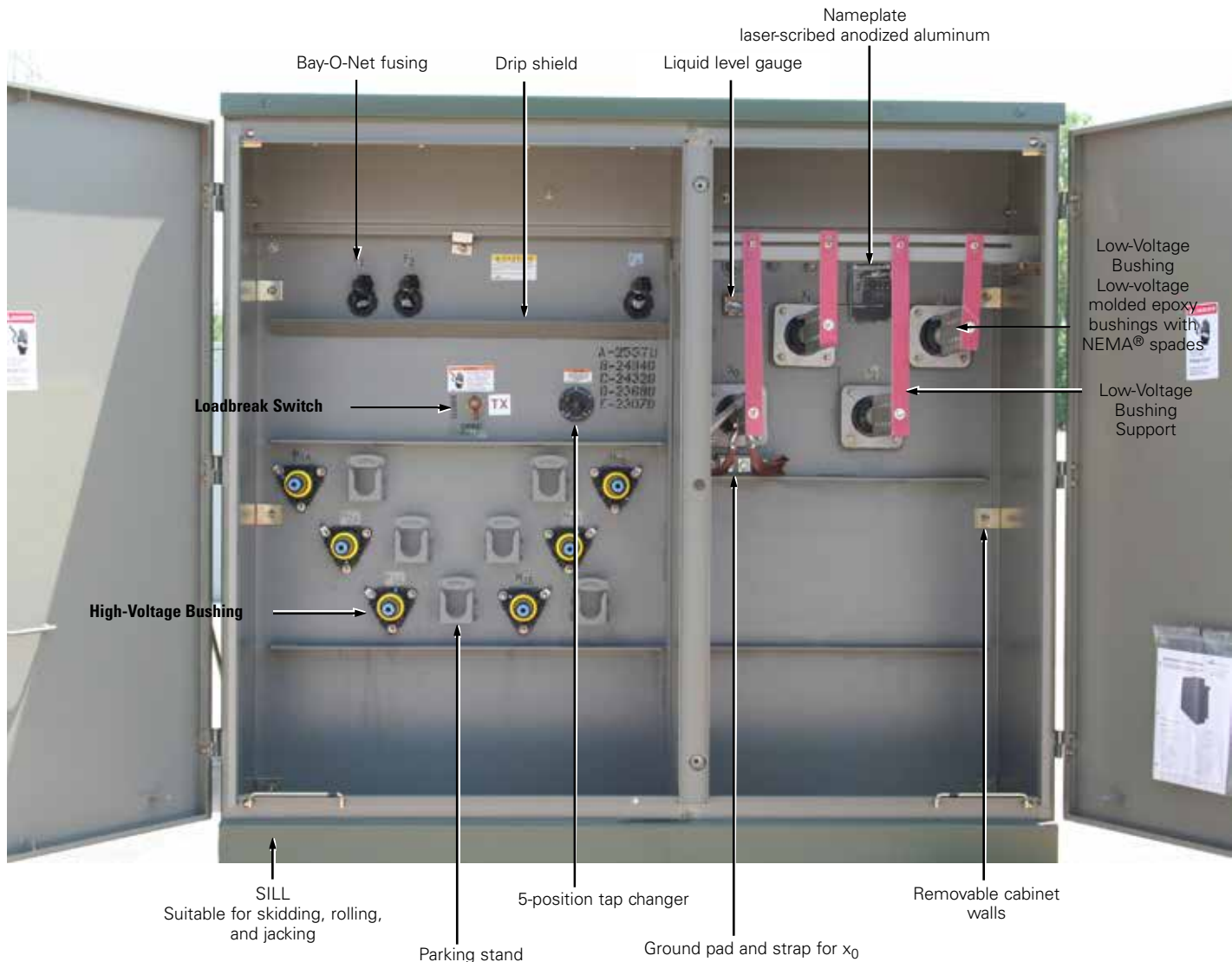


Figure 1. Three-phase pad-mounted PEAK transformer.

Table 1. Product scope

Type	Three-Phase, 50 or 60 Hz, 75 °C Rise and 65 °C/75 °C and 55/75 °C
Fluid Type	Only Envirotemp™ FR3™ fluid
Coil Configuration	2-winding or 4-winding or 3-winding (Low-High-Low), 3-winding (Low-Low-High)
Size	45 – 10,000 kVA
Primary Voltage	2,400 – 46,000 V
Secondary Voltage	208Y/120 V to 14,400 V
Specialty Designs	Inverter/Rectifier Bridge
	K-Factor (up to K-19)
	Solar/Wind Designs
	Differential Protection
	Seismic Applications (including OSHPD)
	Hardened Data Center
	UL® Listed & Label and Classified

Table 2. Three-Phase Ratings**Three-Phase 50 or 60 Hz**

kVA Available¹:
45, 75, 112.5, 150, 225, 300, 500, 750, 1000, 1500, 2000, 2500, 3000, 3750, 5000, 7500, 10000

¹Transformers are available in the standard ratings and configurations shown or can be customized to meet specific needs.

Table 3. Impedance Voltage

Rating (kVA)	Low-voltage rating		
	≤ 600 V	2400 Δ through 4800 Δ	6900 Δ through 13800GY/7970 or 13800 Δ
45-75	2.70-5.75	2.70-5.75	2.70-5.75
112.5-300	3.10-5.75	3.10-5.75	3.10-5.75
500	4.35-5.75	4.35-5.75	4.35-5.75
750-2500	5.75	5.75	5.75
3750	5.75	5.75	6.00
5000		6.00	6.50

Note: The standard tolerance is ± 7.5%

Table 4. Audible Sound Levels

Self-Cooled, Two Winding kVA Rating	NEMA® TR-1 Average
	Decibels (dB)
45-500	56
501-700	57
701-1000	58
1001-1500	60
1501-2000	61
2001-2500	62
2501-3000	63
3001-4000	64
4001-5000	65
5001-6000	66
6001-7500	67
7501-10000	68

Table 5. Insulation Test Levels

KV Class	Induced Test 180 or 400 Hz 7200 Cycle	kV BIL Distribution	Applied Test 60 Hz (kV)
1.2	Twice Rated Voltage	30	10
2.5		45	15
5		60	19
8.7		75	26
15		95	34
25		125	40
34.5		150	50

Table 6. Temperature Rise Ratings 0-3300 Feet (0-1000 meters)

	Unit Rating (Temperature Rise Winding)
	75, 65/75, 55/75 °C
Ambient Temperature Max.	40 °C
Ambient Temperature 24 Hour Average	30 °C
Temperature Rise Hotspot	90 °C

250/275kW V2, 1500Vdc String Inverters for North America



CPS SCH275KTL-DO/US-800

The 250/275 kW high power CPS three-phase string inverters are designed for ground-mount applications. The units are high performance, advanced, and reliable inverters designed specifically for the North American environment and grid. High efficiencies, wide operating voltages, broad temperature ranges, and NEMA Type 4X enclosure enable this inverter platform to operate at high performance across many applications. The SCH275KTL inverters include a selectable active power of either 250 kW or 275 kW (factory default) with 12 MPPTs and are available with either 36 fused PV string inputs or 24 unfused PV string inputs. The CPS FlexOM solution enables communication, controls and remote product upgrades.

Key Features

- **Anti-PID function**
- **Reactive Power at Night function**
- CPS FlexOM Gateway enables remote firmware upgrades
- Integrated DC disconnect switch
- Protection functions for enhanced reliability and safety
- Selectable max AC active power of 250 kW or 275 kW
- UL 1741-SA certified to CA Rule 21, including SA14-SA18
- 12 MPPTs with 36 fused inputs or 24 unfused inputs
- Copper and Aluminum compatible AC connections
- NEMA Type 4X outdoor rated, tough tested enclosure
- Full power capacity up to 42°C
- Standard 5-year warranty with extensions to 20 years
- Supported comm protocols (Modbus RTU, TCP/IP, PLC, **CAN**)
- UL 1741-SB and IEEE 1547-2018 certified

Model Name	CPS SCH275KTL-DO/US-800-36 V2	CPS SCH275KTL-DO/US-800-24 V2
DC Input		
Max. DC input voltage range	1500 V	
Operating DC input voltage range	500-1450 Vdc	
Start-up DC input voltage / power	550 Vdc / 500 W	
MPPT voltage range @ PF>0.99 ¹	900-1300 Vdc	
Number of MPP trackers	12	
Max. PV input current (clipping point)	30 A per MPPT	
Max. PV short-circuit current	600 A, 50 A per MPPT	
Number of DC inputs	36 fused inputs, 3 per MPPT	24 non-fused inputs
DC disconnection type	Load-rated DC switches	
DC surge protection	Type II	
AC Output		
Max AC output power (selectable) @ PF>0.99	250 kW / 275 kW	
Max. AC apparent power	275 kVA	
Rated output voltage	800 Vac	
Output voltage range ²	704-880 Vac	
Grid connection type	3-phase / PE	
Max. AC output current @ 800 Vac	198.5 A	
Rated output frequency	60 Hz	
Output frequency range ²	57-63 Hz	
Power factor	>0.99 (±0.8 adjustable)	
Current THD @ rated load	< 3%	
Max. fault current contribution (1 cycle RMS)	135.2 A	
Max. OCPD rating	300 A	
AC surge protection	Type II	
System and Performance		
Max. efficiency	99.0%	
CEC efficiency	98.5%	
Standby / night consumption	5 W	
Environment		
Enclosure protection degree	NEMA 4X	
Cooling method	Variable speed cooling fans	
Operating temperature range ³	-22°F to 140°F / -30°C to 60°C (derate from 107°F / 42°C)	
Non-operating temperature range ³	-40°F to 140°F (-40°C to 60°C)	
Operating humidity	0-100%	
Operating altitude	8202 ft / 2500 m (no derating)	
Audible noise	< 80 dBA @ 1 m and 77°F (25°C)	
Display and Communication		
User interface and display	LED indicators, Wi-Fi and app	
Inverter monitoring	Modbus RS485 / PLC ⁴ / CAN	
Site-level monitoring	CPS FlexOM (1 per 32 inverters)	
Modbus data mapping	SunSpec / CPS	
Remote diagnostics / firmware upgrade functions	Standard / (with FlexOM Gateway)	
Mechanical		
Dimensions (H × W × D)	27.2 × 41.3 × 15.7 (690 × 1050 × 400 mm)	
Weight	Inverter: 262 lbs (119 kg)	
Mounting / installation angle	Vertical installation	
AC termination	Stud type terminal (wire range: 4/0 AWG - 750 kcmil AL/CU, lugs not supplied)	
DC termination	36 fused input: screw clamp fuse holder (wire range #14-#8 AWG CU) 24 non-fused input: screw clamp terminal (wire range #14-#8 and #6-#4 AWG CU) ⁵	
Fused string inputs (3 per MPPT) ⁶	25 A fuses provided (values up to 30 A acceptable)	
Safety		
Certifications and standards	UL1741-SA/SB Ed.3, CSA-C22.2 NO.107.1-16, IEEE1547a-2014, IEEE 1547-2018; FCC PART 15	
Selectable grid standard	IEEE 1547a-2014, IEEE 1547-2018, CA Rule 21, ISO-NE	
Smart-grid features	Volt-RideThru, Freq-RideThru, Ramp-Rate, Specified-PF, Volt-VAR, Freq-Watt, Vol-Watt	
Protection Functions		
Reactive Power at Night	Yes	
Anti-PID function	Yes	
Insulation resistance monitoring	Yes	
Onboard fault oscillography	Yes	
PV MPPT current monitoring	Yes	
Residual current monitoring	Yes	
Output overcurrent protection	Yes	
Output short-circuit protection	Yes	
Output overvoltage protection	Yes	
Warranty		
Standard	5 years	
Extended terms	10, 15, and 20 years	

1) See user manual for information regarding MPPT voltage range when operating at non-unity PF.

2) The output voltage range and output frequency range may differ according to the specific grid standard.

3) See user manual for further requirements regarding non-operating conditions.

4) CPS AC-PLC Kit required for AC PLC communication.

5) One threaded hole per MPPT for connecting #6-#4 AWG CU.

6) Fused string inputs only applicable to the SCH275KTL 36-input model.

Inspection and Detection 检验检测报告 Inspection and Detection Report Report

No : (2022) SJSXW-WT1020

Name of Sample Grid Support Utility Interactive PV Inverter (Non-Isolated)

Party being tested _____

Manufacturer _____

Consigner SHANGHAI CHINT POWER SYSTEMS CO., LTD.

Inspection and
Detection Kind Entrusted Inspection



Jiangsu Product Quality Testing &
Inspection Institute

Inspection Institute

Inspection and Detection Report

No.:(2022)SJSXW-WT1020

Page 1 of 8

Name of Sample	Grid Support Utility Interactive PV Inverter (Non-Isolated)		Type and Specifications	CPS SCH275KTL-DO/US-800	
Producing Date\Batch No.		\	Trademark	—	
Consigner\Add\Tel\PC		SHANGHAI CHINT POWER SYSTEMS CO., LTD.\ #4, 3255 Sixian Road, Songjiang District, Shanghai 201614, China\—\—			
Manufacturer\Add\Tel\PC		—			
Party being tested\Add\Tel\PC		—			
Inspection and Detection kind	Entrusted Inspection	Task from/Task NO.	—	Sampling List	—
Quantity of Sample	1pcs	Batch of Sample	—	Numbered of Sample	(2022)SJSXW-WT1020
Sampling Date	—	Sampling Staff	—	Sampling Location	—
Grade	—	Quantity & Location of Backup Samples	—	Sealing State	—
Arrival Date of Sample	2022-12-06	Description of Sample	Match Test Requirement	Checking of Sealing Sample	—
Inspection and Detection Date	2022-12-06		Inspection and Detection Add.	No. 1368, Wuzhongdadao Avenue, Suzhou, China	
Inspection and Detection Standard(s)	ISO 3746:2010<Acoustics — Determination of sound power levels and sound energy levels of noise sources using sound pressure — Survey method using an enveloping measurement surface over a reflecting plane>				
Decision Criterion	—				
Test Conclusion	No judgment. (The Special Seal for Inspection and Detection) Signature Date: 2023-01-06				
Note	—				

Approval 梁学俊

梁学俊

roofreader 彭彦伟

彭彦伟

Majortester 鞠伟刚

鞠伟刚

Summary of Test Results				
No.	Test Item	Test Standard	Result	Judgment
1	Noise Testing	ISO 3746:2010	See more details at 1.5 and 1.6	No judgment
Remark				

Description of Equipment Under Test

0 Basic Information of EUT:

0.1 EUT

Product Name:	Grid Support Utility Interactive PV Inverter (Non-Isolated)
Specifications:	CPS SCH275KTL-DO/US-800

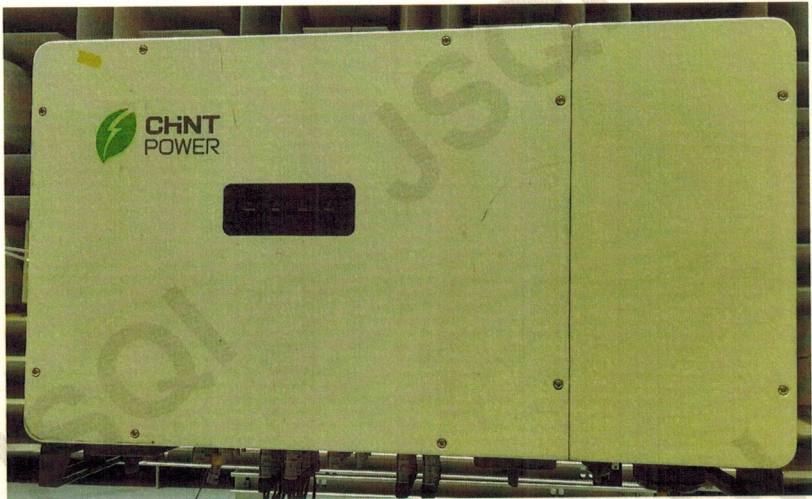


Photo 1: Appearance of sample



Grid Support Utility Interactive PV
Inverter (Non-Isolated)

*This inverter is factory set at 275kW DEFAULT. Contact CPS to enable
250kW setting.

Product series: CPS SCH275KTL-DO/US-800

Nominal input power: 285kW_{stc}/260kW_{stc}

Number of inputs: 3 x 6 / 2 x 12 / 3 x 12

Max. input voltage: 1500Vdc

Operating input voltage range: 500—1450Vdc

MPPT voltage range: 900—1300Vdc

Max. input current: 60A x 6 / 30A x 12 / 30A x 12

Max. input short circuit current: 90A x 6 / 50A x 12 / 50A x 12

Max. Active power: 275kW / 250kW

Max. Apparent power: 275kVA

Nominal AC voltage: 800Vac / 704—880Vac 3Ø

Nominal power frequency: 60Hz

Nominal AC current: 198.5A / 180.4A

Max. AC current: 198.5A

AC current THD: <3%

Power factor: >0.99(adj.±0.8)

Max. efficiency: 99.0%

CEC efficiency: 98.5%

Operating temperature range: -30°C—+60°C
(>42°C derating)

Ingress protection: TYPE 4X

Made in xxxx



This device complies
with part 15 of the
FCC Rules



RoHS



TÜVRheinland
US

Serial Number

Photo 2: Nameplate of sample

Test Requirements and Results

1 Noise Testing

1.1 Limiting Value of Noise

No limiting value.

1.2 Test Setup

The noise test of EUT proceeds in a semi-anechoic chamber. The measurement surface is a parallelepiped with five microphone positions, as specified in Figure 1. The preferred value of the measurement distance d is 1m.

The results are tested by the five microphones in 60s in the frequency between 20Hz to 20kHz of noise.

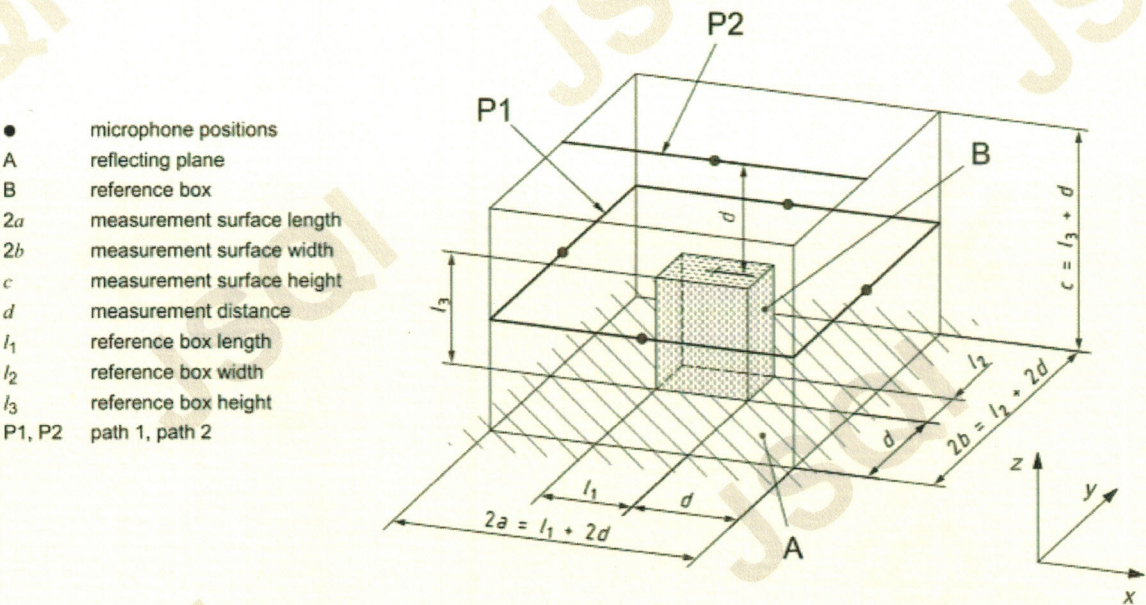
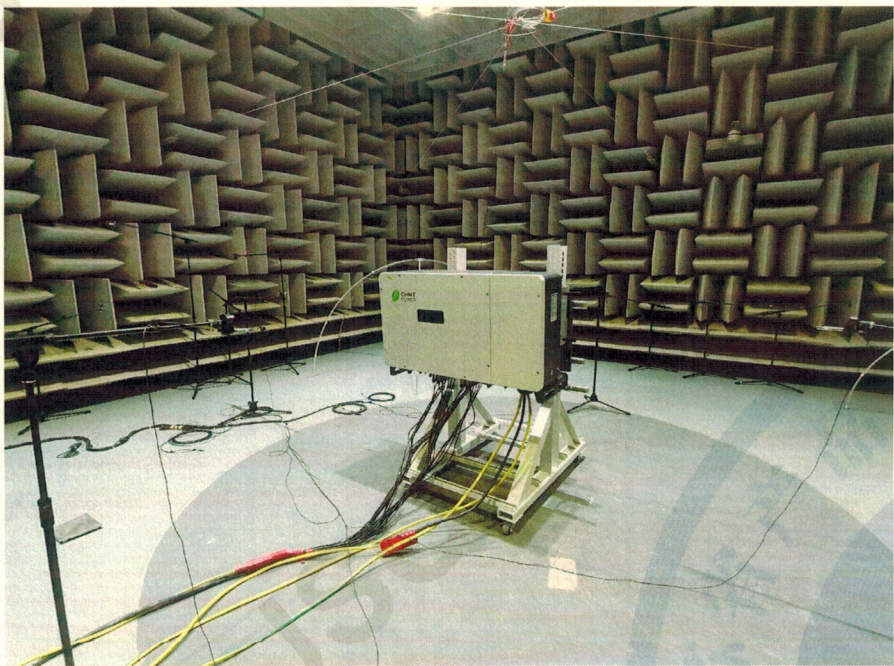


Figure 1 – Measurement surface – parallelepiped – with key microphone positions

Test Setup Photos:



Test Requirements and Results

1.3 Test Condition

Environment temperature: 14 °C; Relative humidity: 60 %RH; Atmospheric pressure: 101k Pa

1.4 Test Status

Connect the EUT to the power supply and start the test after running for 30 minutes.

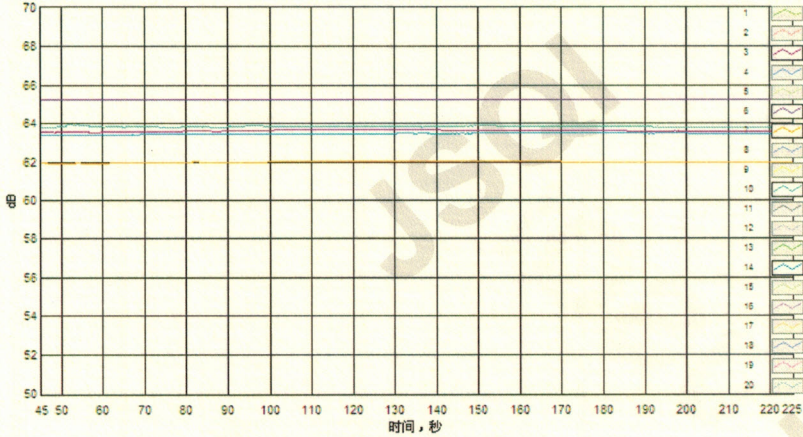
1.5 Test Data

Test item information	Value						
Weighting	A-weighting						
Octave	One third octave						
Distance	1m						
Uncertainties $U_{rel} (k=2)$	0.7dB						
Inherent noise(dB(A))	16.2						
Load	Frequency(Hz)	Acoustic Noise(SPL)(dB(A))					
		Front	Left	Rear	Right	Bottom	Average
275kW	20	-21.6	-23.3	-20.4	-23	30.7	23.71
	25	-15.6	-18.3	-16	-17.9	34.1	27.11
	31.5	-10.7	-11.4	-10.2	-11.3	38.9	31.91
	40	-8.1	-6.2	-6.2	-7	40	33.01
	50	0.2	2.2	1.7	2.7	45.5	38.51
	63	9.6	7.4	10.3	7.7	47.4	40.41
	80	29.7	26.6	30.2	25.6	48.4	41.58
	100	9.4	13.2	13.8	12.4	50.9	43.91
	125	28.5	22.6	36	26.3	51.8	44.96
	160	23.2	21.9	27.9	21.4	51.6	44.64
	200	23.3	27.1	35	26.2	51	44.16
	250	31.3	35.6	43.5	36.9	50.2	44.38
	315	34.4	41.2	44.2	40.3	48.4	43.88
	400	40.2	44.1	47.1	43.7	46	44.79
	500	44.2	50.1	50	50.5	47.4	48.98
	630	58.5	61	60.4	55.7	58.7	59.22
	800	47.3	45.9	51.3	47	44.9	47.9
	1000	47.9	48.3	52.8	49.4	47.8	49.71
	1250	51.1	52	51.9	51	48.9	51.11
	1600	51.4	45.7	51.9	47.9	45.4	49.31
	2000	55.1	48.4	55.5	51.6	47.6	52.79
	2500	53	47.9	53.4	49	49.1	51.08
	3150	52.8	50.6	54.6	52.7	50.2	52.48
	4000	53.3	53.4	54.2	51.9	49.5	52.74

Test Requirements and Results

	5000	51.1	50.6	52.5	50.4	47.1	50.66
	6300	47.9	47.2	48.8	45.8	45.9	47.27
	8000	42.4	41.9	45.1	41.9	41.9	42.84
	10000	41.3	39.6	41.9	40	38.2	40.39
	12500	36.7	35.9	37.9	35.3	32.8	36.03
	16000	29.7	30.2	40.7	32.1	30.6	35.18
	20000	20.8	19.9	24.7	21	18.2	21.48
	Aggregate	63.6	63.7	65.3	62	63.8	63.8
Time domain curve of 275kW							
275kW	20	-20	-22.4	-20.1	-21.7	30.8	23.81
	25	-14	-17.6	-15.6	-16.7	34.4	27.41
	31.5	-9.5	-11.2	-9.9	-11.3	39.4	32.41
	40	-7.3	-5.7	-5.6	-6.6	40.4	33.41
	50	0.6	2.9	1.8	3.4	45.5	38.51
	63	9	7.4	10.3	7.7	47.5	40.51
	80	29.2	26.7	30.5	25.8	48.5	41.68
	100	9.6	13.2	13.8	12.3	51.2	44.21
	125	27.7	21.6	35.9	26.7	52.1	45.24
	160	23.3	22.1	27.8	21.6	52.1	45.14
	200	23.6	27.1	35	26.4	51.5	44.64
	250	31.9	35.7	43.6	37.4	50.5	44.65
	315	34.4	41.4	44.2	40.5	49	44.27
	400	40.3	44.2	47.2	43.7	46.5	44.99
	500	44.2	50.1	50	50.4	47.3	48.94
	630	58.1	60.7	60.4	55.6	58.3	58.98
	800	47.2	45.8	51.3	47	44.9	47.87
	1000	48	47.8	52.1	49.2	48	49.36
	1250	51	51.9	51.8	51	48.9	51.04

Test Requirements and Results

	1600	51.5	45.7	51.9	48	44.9	49.32
	2000	55	48.7	55.3	51.5	47.3	52.67
	2500	52.9	47.6	53.4	48.9	49	50.99
	3150	52.8	50.5	54.6	52.6	50	52.42
	4000	53.2	53.5	54.1	51.9	49.3	52.69
	5000	51.1	50.6	52.5	50.5	47	50.67
	6300	47.8	47.2	48.8	45.8	45.8	47.24
	8000	42.4	41.9	45.1	41.9	41.8	42.83
	10000	41.2	39.6	41.9	40	38	40.34
	12500	36.6	35.9	37.9	35.3	32.6	35.98
	16000	29.6	31.1	42.7	33	36	37.29
	20000	20.9	19.9	24.7	20.9	18	21.46
	Aggregate	63.4	63.6	65.2	62	63.8	63.72
Time domain curve of 275kW							

1.6 Test Result

No judgment.

Equipment List

No.	Instrument	Model No.	Serial No.	Valid Date	Used
1	Free Field Microphone	MP201+MA231	NTIe-511-020-04-C	2023-02-24	☒
2	Free Field Microphone	MP201+MA231	NTIe-511-020-05-C	2023-02-24	☒
3	Free Field Microphone	MP201+MA231	NTIe-511-020-06-C	2023-02-24	☒
4	Free Field Microphone	MP201+MA231	NTIe-511-020-07-C	2023-02-24	☒
5	Free Field Microphone	MP201+MA231	NTIe-511-020-08-C	2023-02-24	☒
6	Acoustic Analyzer	PXI4498	NTIe-511-020-02-C	2023-03-11	☒
7	Semi-anechoic Room	AN01	NTIe-511-076-00-C	2026-02-22	☒
8	Acoustic Calibrator	BK 4231	NTIe-511-020-24-C	2023-03-11	☒
9	Steel Tap	3m	NTIe-510-206-00-P	2023-03-11	☒

Remark: ☒ stands for the equipments used in this test.
(End of Report)

简介

江苏省产品质量监督检验研究院是隶属于江苏省质量技术监督局的全额拨款公益性事业单位，是江苏省从事综合性、专业性产品质量监督检验的机构，于一九八二年二月经江苏省编制委员会批准成立。下设七个国家中心，分别是：

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- **国家食品包装产品质量监督检验中心** 业务电话：025-84470318；传真：025-84470263；地址：南京市光华东街5号；邮编：210007
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Profile

Jiangsu Product Quality Supervision and Inspection Institute (JPQSII), is specialized in product testing, quality certification, technical development and technical consultation, under the authorization from China General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) and Jiangsu Quality and Technical Supervision Bureau. JPQSII now is consisted of 7 country-level product quality testing centers:

- National Quality Supervision & Testing Center for Cosmetics / National Quality Supervision & Testing Center for Pesticide (Nanjing) / National Quality Supervision & Testing Center for Engineering Composite Materials / National Quality Supervision & Testing Center for Food Packaging (Jiangsu)

Address: 5 Guanghua East Road, Nanjing; Vocational Tel: 025-84470235

- National Quality Supervision & Testing Center For Cables And Wires (JiangSu)

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