

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

Radio Test Report

Product Name: Linux Communication Board.


Model Name: 2AGPT-PLNX3.

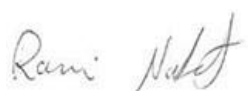
Applicant: SolarEdge Technologies Ltd.
1 HaMada Street, Herzeliya 4673335, Israel
Tel: +972-9-9576620.

Standards: 47 CFR FCC Part 15C, §15.247
ANSI C63.10:2020+COR.1- 2023
Canada RSS-247 Issue 3 (2023)
Canada RSS-Gen Issue 5 (2021) AMD 2

Test Date: 15 April 2025 - 20 April 2025

Issued Date: 1 September 2025

Tested by: 
Test Engineer – Ilya Manski

Approved by: 
EMC Lab Manager – Rami Nataf

Prepared by: EMC & Radio Laboratory-Solaredge
10 Tzela HaHar st., POB 56 Modi'in
7171001 Israel Tel: +972-52-4006994

Verdict Summary: Pass



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

Table of Contents

Radio Test Report.....	1
1. Test Summary	3
2. Revision History	4
3. Test Facility	4
4. General Information.....	5
5. Transmission duration of Test Signal	8
6. Spurious Emission and Restricted Bands Compliance	9
7. 6 dB bandwidth & Occupied bandwidth	15
8. Power Spectral Density	18
9. Maximum Conducted Output Power.	20
10. Conducted Out of Band Emission & Frequency Band Edge	21
11. Conducted Emission, Power Line	23
12. Antenna Requirement	26
13. Annex I- Test Equipment List:	27
14. Lab Accreditation.....	28

Note: The test report may not be reproduced without the written approval of the Lab herein, any way of approved reproduced must be in a full version.

In addition, the copyright of this report belongs to SolarEdge LTD

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

1. Test Summary

FCC Rules	ISED Rules	Test description	Verdict ¹
FCC §15.209, §15.205 §15.247(D)	RSS-GEN § 8.10 RSS-247 § 5.5	Spurious Emissions and Restricted Bands Compliance	Pass
FCC §15.247(A)	RSS-GEN § 6.7 RSS-247 § 5.2(A)	6dB Bandwidth & Occupied Bandwidth	Pass
FCC §15.247(E)	RSS-247 §5.2(B)	Power Spectral Density	Pass
FCC §15.247(B)(3)	RSS-247 §5.4(D)	Maximum Conducted Output Power	Pass
FCC §15.247(D)	RSS-247 §5.5	Conducted Out of Band Emission & Frequency Band Edge	Pass
FCC §15.207(A)	RSS-Gen §8.8	Conducted Emissions, Power Line	Pass
FCC §15.203	RSS-GEN §6.8	Antenna Requirement	Pass

¹ Based on the test result only, not include the measurement uncertainty ULab(dB) which is described on para. 3.4.

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

2. Revision History

Version	Date	Performed By	Note
1.0	16 June 2025	Ilya Manski	
2.0	21 August 2025	Ilya Manski	Revised according to the certification body comments
3.0	31 August 2025	Ilya Manski	Revised according to the certification body comments

3. Test Facility

3.1. Address of the Laboratory:

10 Tzela HaHar st.,POB 56 Modi'in 7171001, Israel, Tel-972-52-4006994

3.2. Laboratory Accreditation/recognition/certification

- A2la - The Certificate Registration Number: 6185.01
- FCC Registration - Firm Registration Number: 898943
- IC-Registration - The Certificate Registration Number: IL1008

3.3. Software used:

Software Name	Software Version	Test Name
Keysight	A.33.03 SW version for N9038B	Radio testing
Keysight	BenchVue 2020 update 2.0	
Radimation	RadiMation 2025.1.2	

3.4. Measurement Uncertainty

The calculated uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

Parameter	Measurement Uncertainty (+/-)	Units
Occupied Channel Bandwidth	0.26	%
RF Output Power, conducted	1.20	dB
Power Spectral Density, Conducted	1.05	dB
Spurious emissions, conducted	1.05	dB
All emissions, radiated	4.86	dB
Temperature	1.6	°C
Humidity	1	%
DC and low-frequency voltages	0.9	%

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

4. General Information

EUT Description:

Test Model	2AGPT-PLNX3.
Modulation Type	OQPSK
Nominal Operating Frequency	906-924MHz
Number of Channels	10
Max AVG Power	15.03dBm
FCC ID:	2AGPT-PLNX3
IC:	20916-PLNX3, HVIN:PLNX3

Antenna Details

Model	Type	Brand	PN	Freq. (MHz)	Connector	Max. Gain 860-930MHz
AS0001-ANT-2	Dual Band Dipole Antenna	SolarEdge	D2224AC	860-930 2400-2500	RP SMA	1.8dBi

AC/DC adapter details:

Model	Input	Output
FD10K-15120-1000	100-240V~50/60Hz 0.50A	12.0V DC 1000mA

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

4.1. Description of Test Configuration

The system was configured for testing in engineering mode.

Channel List

Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	906	6	916
2	908	7	918
3	910	8	920
4	912	9	922
5	914	10	924

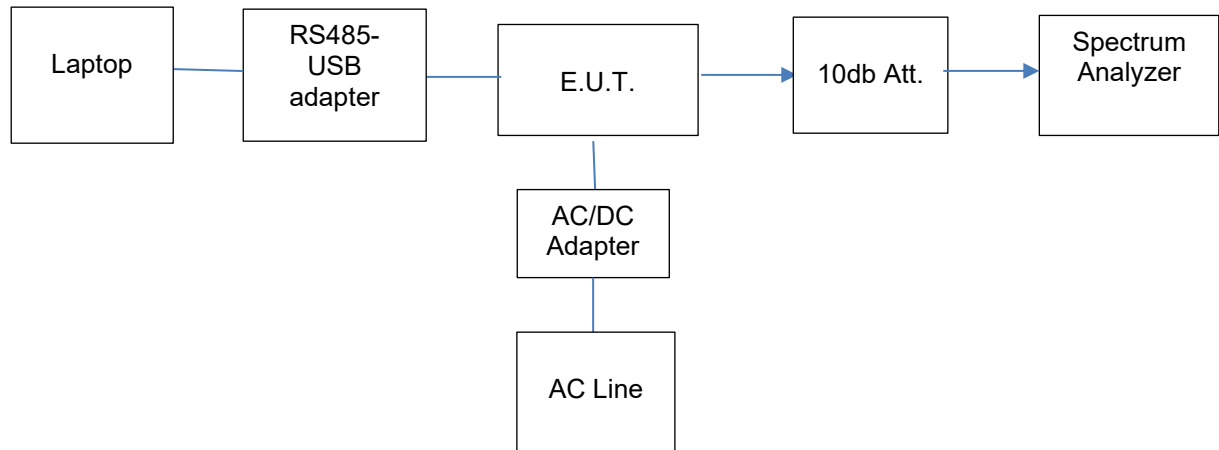
EUT tested on channels 1, 5, and 10.

EUT Exercise Software

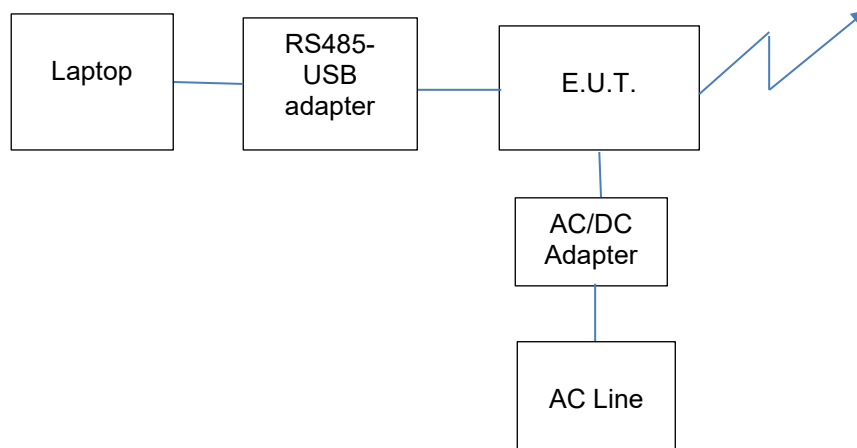
“SolarEdge MercuryMon.application.exe” exercise software was used, and the power level is 17. The software and power level provided by the manufacturer.

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

4.2. Configuration of Tested System - Conducted

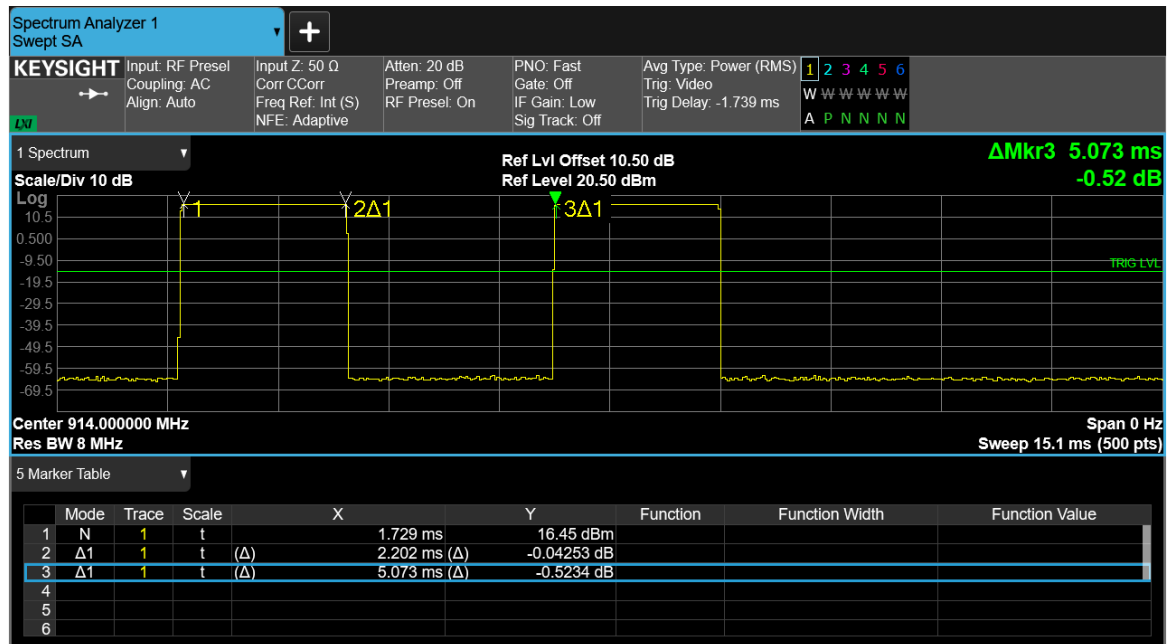


4.3. Configuration of Tested System – Radiated



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

5. Transmission duration of Test Signal



Test Frequency (MHz)	Ton (ms)
914	2.202

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

6. Spurious Emission and Restricted Bands Compliance

Test Date:	15-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	FCC §15.209, §15.205 §15.247(D) RSS-GEN § 8.10 RSS-247 § 5.5	Relative Humidity:	45%
Test Procedure:	ANSI C63.10-2020+Cor.1- 2023 RSS-247 Issue 3 RSS-Gen Issue 5	Photograph:	Annex II
EUT orientation worst case- (3 orientations were investigated, X/Y/Z)	stand-up position (Y axis)- worst case	Measurement antenna < 30MHz orientation	Parallel, perpendicular, and ground-parallel
		Measurement antenna > 30MHz polarization	Vertical, Horizontal

6.1. Test Requirement:

Normal test conditions	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
------------------------	--

6.2. Limits of Radiated Emission Measurement

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

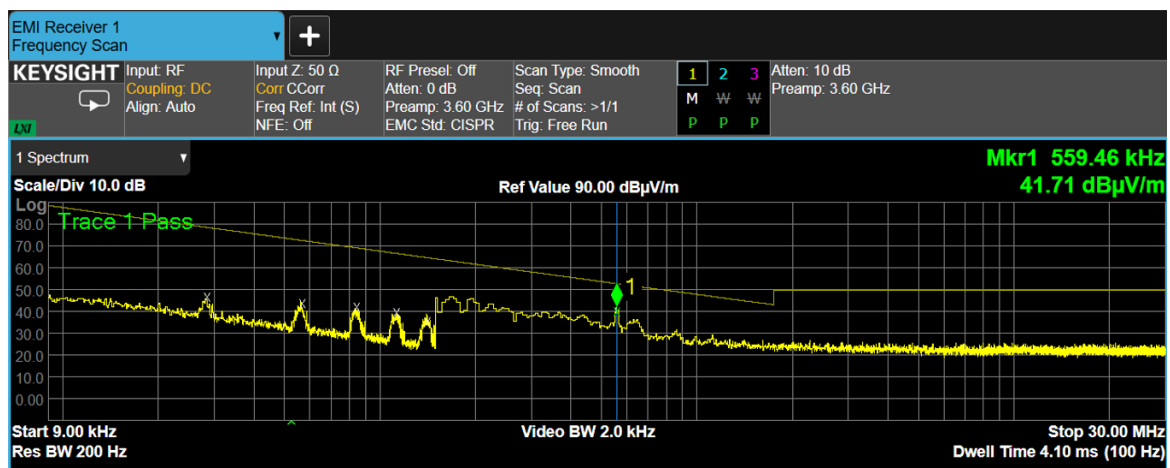
Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

6.3. Test Results:

6.3.1. Freq. Range 9kHz – 30MHz - worst case.

Frequency (kHz)	Emission Level QP (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Angle (degrees)	Height (m)	Antenna orientation	Verdict
557.47	38.726	72.683	-33.957	180	1	Parallel	Pass
All other emissions were 20 dB below the relevant limit with respect to the relevant detectors							

Spurious Emission Plot 9kHz - 30MHz worst case Parallel orientation



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

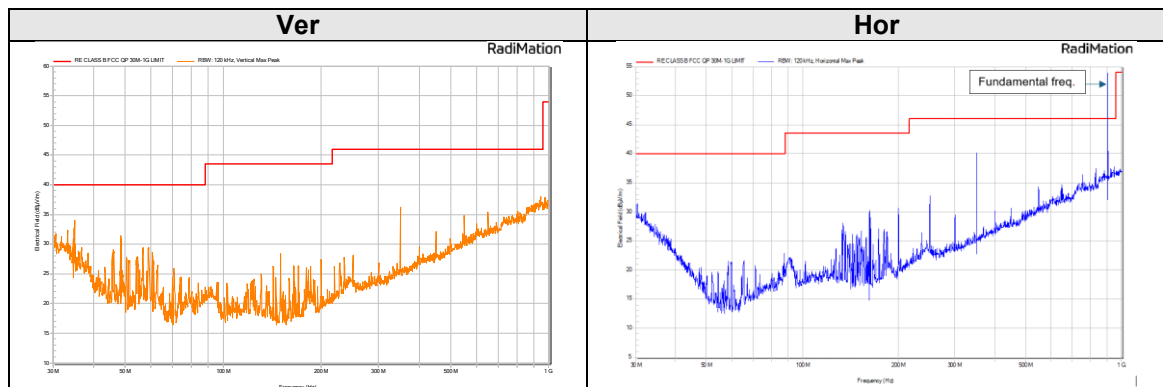
6.3.2. Freq. Range 30MHz – 1GHz - worst case.

Frequency (MHz)	Emission Level QP (dBμV/m)	QP Limit (dBμV/m)	QP Margin (dB)	Angle (degrees)	Height (m)	Polarization	Verdict
34.74	24.4	40	-15.6	-160	1.48	Vertical	Pass
48.54	22	40	-18.0	-80	1.48	Vertical	Pass
161.997	17.9	43.5	-25.6	-190	2.48	Horizontal	Pass
199.994	33.2	40	-6.8	200	1.5	Horizontal	Pass
250.003	32.5	47	-14.5	70	1	Horizontal	Pass
349.997	39.3	46	-6.7	10	1	Horizontal	Pass

Note:

1. Emission Level_[dBμV/m] = Scan emission level_[dBμV] + Antenna Factor_[dB/m] + Cable loss_[dB]
2. Margin value = Emission Level - Limit value

Spurious Emission Plot 30MHz – 1GHz



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

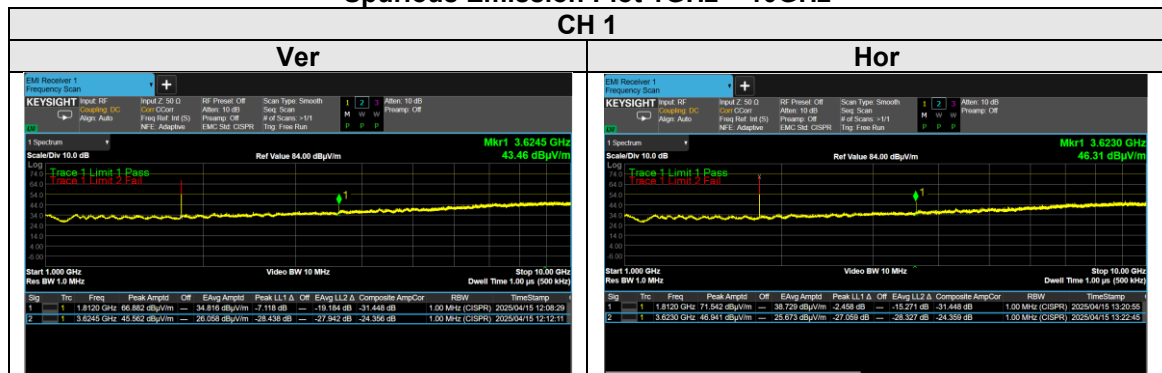
6.3.3. Freq. Range 1GHz – 10GHz Channel 1

Freq. (MHz)	Pol. (V/H)	Ant. Height (m.)	Table Angle (deg.)	Emission Level (dBuV/m)	Detector	LIMIT (dBuV/m)	Margin (dB)	Verdict
1812*	V	2	180	66.882	PK	93	-26.118	Pass
3624	V	2	180	45.562	PK	74	-28.438	Pass
				26.058	AV	54	-27.942	Pass
1812*	H	2	180	71.542	PK	93	-21.458	Pass
3624	H	2	180	46.941	PK	74	-27.059	Pass
				25.673	AV	54	-28.327	Pass

Note:

1. Emission Level_[dBuV/m] = Scan emission level_[dBuV] + Antenna Factor_[dB/m] + Cable loss_[dB] - LNA Factor_[dB].
2. Margin value = Emission Level - Limit value.
3. “*” – Spurious emission, not in restricted band. Limit = 20 dBc.

Spurious Emission Plot 1GHz – 10GHz



Note:

The message “Trace 1 Limit 2 Fail” is not relevant due to the following reasons:

1. The spur in the peak exceeds the **Average** limit.
2. The spur is not located within a restricted band; therefore, these limits do not apply to this spur.

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

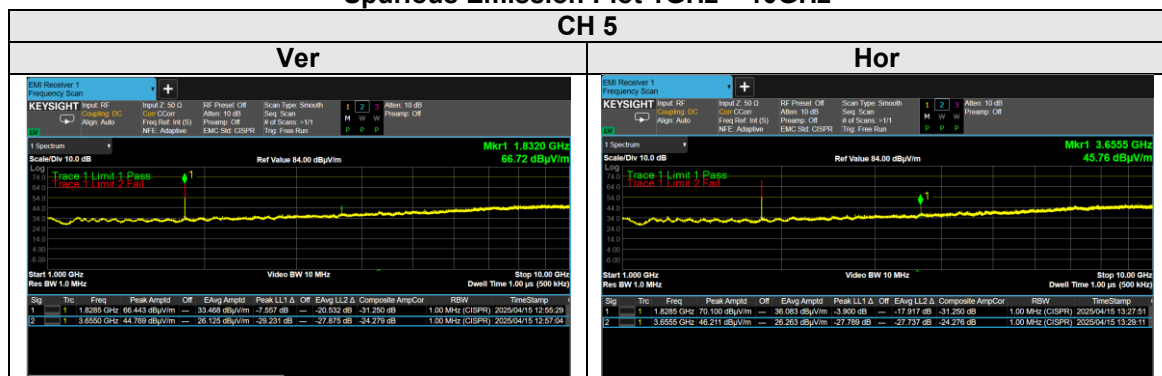
6.3.4. Freq. Range 1GHz – 10GHz Channel 5

Freq. (MHz)	Pol. (V/H)	Ant. Height (m.)	Table Angle (deg.)	Emission Level (dBuV/m)	Detector	LIMIT (dBuV/m)	Margin (dB)	Verdict
1828*	V	2	180	66.443	PK	93	-26.557	Pass
3656	V	2	180	44.769	PK	74	-29.231	Pass
				26.125	AV	54	-24.279	Pass
1828*	H	2	180	70.100	PK	93	-22.900	Pass
3656	H	2	180	46.211	PK	74	-27.789	Pass
				26.263	AV	54	-24.276	Pass

Note:

- Emission Level_[dBuV/m] = Scan emission level_[dBuV] + Antenna Factor_[dB/m] + Cable loss_[dB] - LNA Factor_[dB].
- Margin value = Emission Level - Limit value.
- “*” – Spurious emission, not in restricted band. Limit = 20 dBc.

Spurious Emission Plot 1GHz – 10GHz



Note:

The message “Trace 1 Limit 2 Fail” is not relevant due to the following reasons:

- The spur in the peak exceeds the **Average** limit.
- The spur is not located within a restricted band; therefore, these limits do not apply to this spur.

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

6.3.5. Freq. Range 1GHz – 10GHz Channel 10

Freq. (MHz)	Pol. (V/H)	Ant. Height (m.)	Table Angle (deg.)	Emission Level (dBuV/m)	Detector	LIMIT (dBuV/m)	Margin (dB)	Verdict
1847*	V	2	180	62.390	PK	93	-30.610	Pass
3696	V	2	180	44.283	PK	74	-29.717	Pass
				26.156	AV	54	-27.844	Pass
1847*	H	2	180	68.378	PK	93	-24.622	Pass
3696	H	2	180	47.187	PK	74	-26.813	Pass
				26.330	AV	54	-24.047	Pass

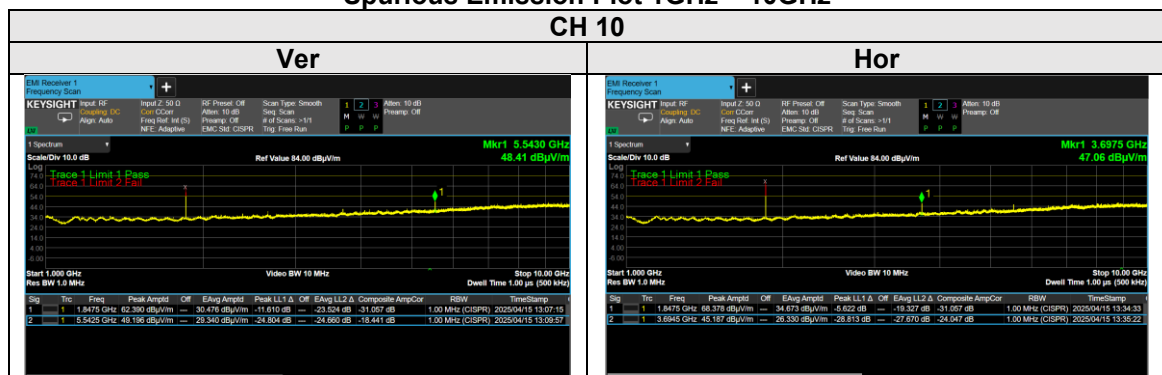
Note:

7. Emission Level_[dBuV/m] = Scan emission level_[dBuV] + Antenna Factor_[dB/m] + Cable loss_[dB] - LNA Factor_[dB].

8. Margin value = Emission Level - Limit value.

9. “*” – Spurious emission, not in restricted band. Limit = 20 dBc.

Spurious Emission Plot 1GHz – 10GHz



Note:

The message “Trace 1 Limit 2 Fail” is not relevant due to the following reasons:

1. The spur in the peak exceeds the **Average** limit.
2. The spur is not located within a restricted band; therefore, these limits do not apply to this spur.

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

7. 6 dB bandwidth & Occupied bandwidth

Test Date:	17-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	FCC §15.247(A)(2) RSS-GEN § 6.7 RSS-247 § 5.2(A)	Relative Humidity:	45%
Test Procedure:	ANSI C63.10-2020 +Cor.1- 2023 RSS-247 Issue 3 RSS-Gen Issue 5	Photograph:	Annex II

7.1. Test Requirement:

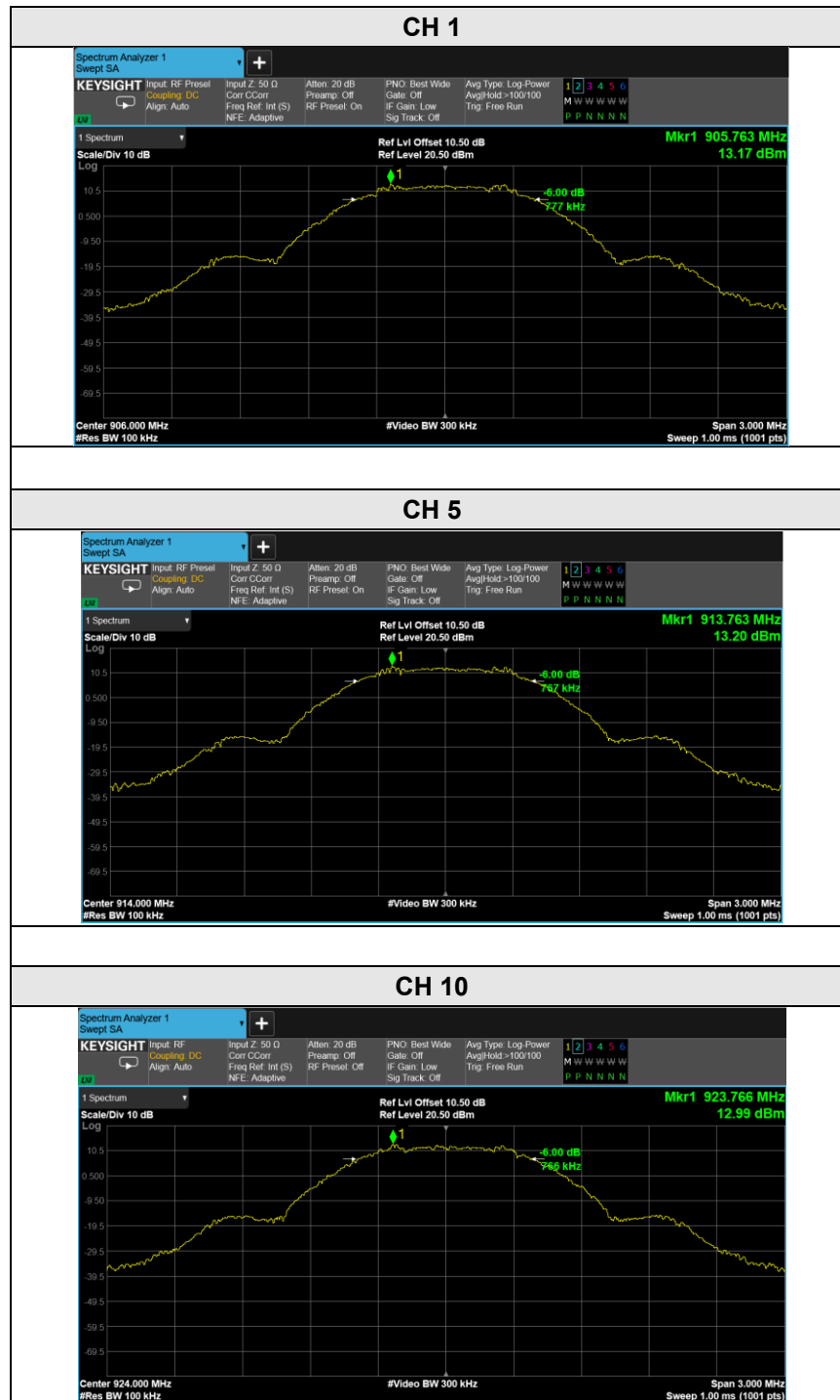
Normal test conditions	Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725–5850 MHz bands. The minimum 6dB bandwidth shall be at least 500 kHz
------------------------	---

7.2. Test Result:

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)	Verdict
1	906	1.107	0.777	>0.5	Pass
5	914	1.112	0.767	>0.5	Pass
10	924	1.114	0.766	>0.5	Pass

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

7.3. 6 dB bandwidth Measurement Plots



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

7.4. Occupied bandwidth Measurement Plots



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

8. Power Spectral Density

Test Date:	17-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	FCC §15.247(E) RSS-247 §5.2(B)	Relative Humidity:	45%
Test Procedure:	RSS-247 Issue 3 ANSI C63.10-2020+Cor.1-2023 Method AVGPS-3	Photograph:	Annex II

8.1. Test Requirement:

Normal test conditions	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
------------------------	--

8.2. Limits of Power Spectral Density Measurement

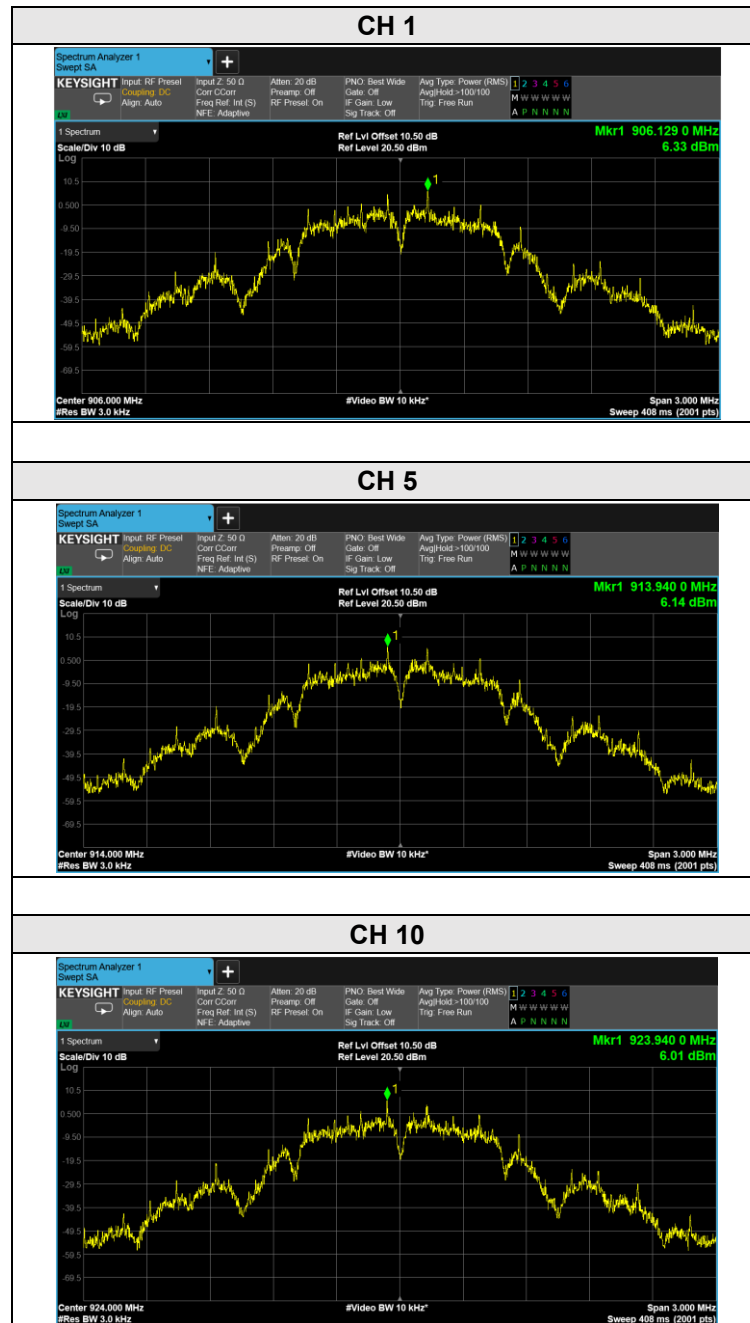
The Maximum of Power Spectral Density Measurement is 8(dBm/3kHz)

8.3. Test Result per Method AVGPS-3:

Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
1	906	6.33	8	Pass
5	914	6.14	8	Pass
10	924	6.01	8	Pass

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

8.4. PSD Measurement Plots



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

9. Maximum Conducted Output Power.

Test Date:	17-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	FCC §15.247(B)(3) RSS-247 §5.4(D)	Relative Humidity:	45%
Test Procedure:	ANSI C63.10-2020+Cor.1-2023 RSS-247 Issue 3	Photograph:	Annex II

9.1. Test Requirement:

Normal test conditions	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
------------------------	--

9.2. Test Result:

Channel	Frequency (MHz)	AVG Power (dBm)	Limit (dBm)	Max EIRP (dBm)	Limit (dBm)	Verdict
1	906	14.98	30	16.78	36	Pass
5	914	15.03	30	16.83	36	Pass
10	924	14.91	30	16.71	36	Pass

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

10. Conducted Out of Band Emission & Frequency Band Edge

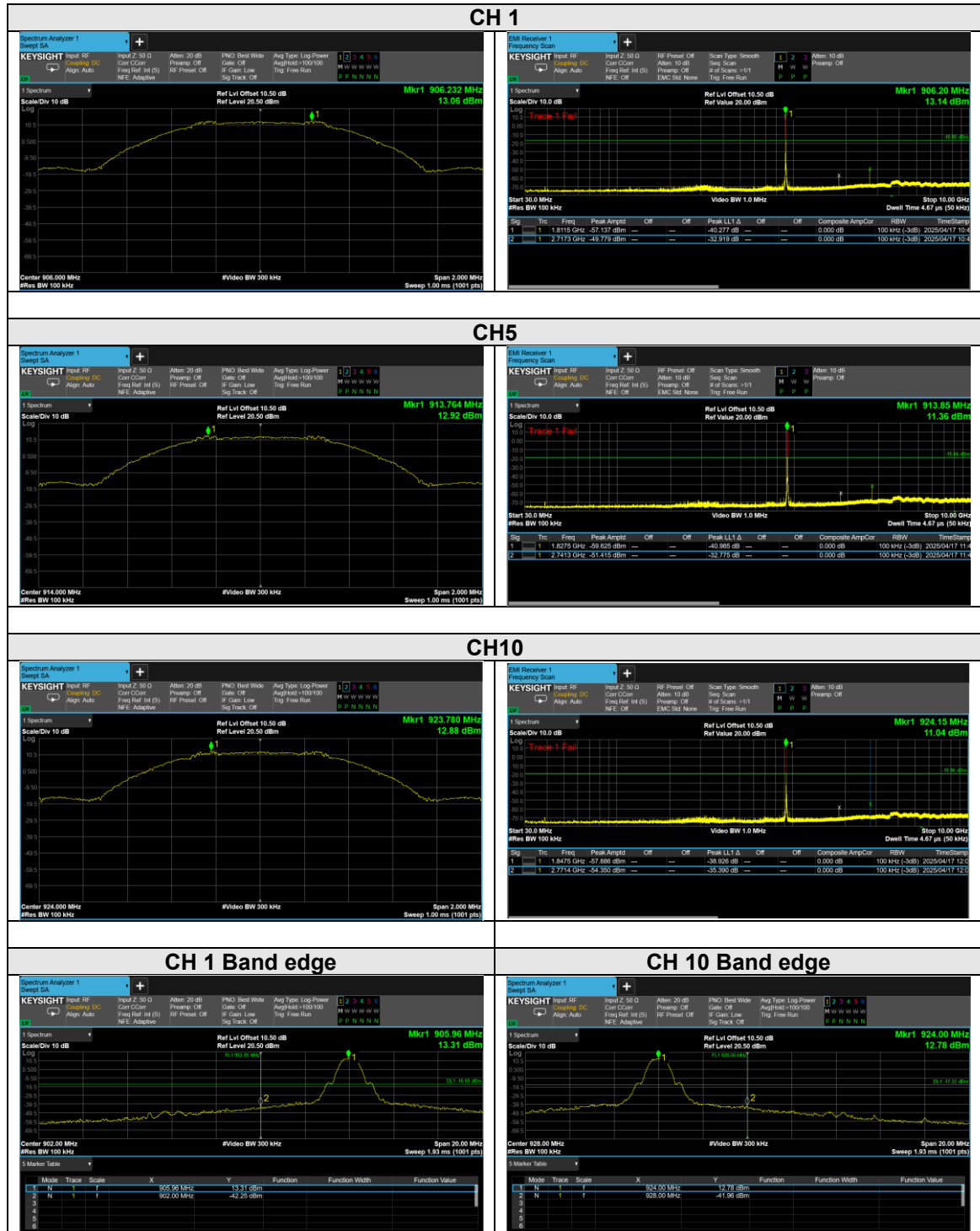
Test Date:	20-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	FCC §15.247(D) RSS-247 §5.5	Relative Humidity:	45%
Test Procedure:	ANSI C63.10-2020+Cor.1-2023 RSS-247 Issue 3	Photograph:	Annex II

10.1. Test Requirement:

Normal test conditions	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).
------------------------	--

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

10.2. Test Result:



Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

11. Conducted Emission, Power Line

Test Date:	14-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	FCC §15.207(A)	Relative Humidity:	45%
Test Procedure:	ANSI C63.10-2020+Cor.1-2023	Photograph:	Annex II

11.1. Test Requirement:

Normal test conditions	An intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits specified in §15.209
------------------------	--

11.2. Limits of Conducted Emission Measurement

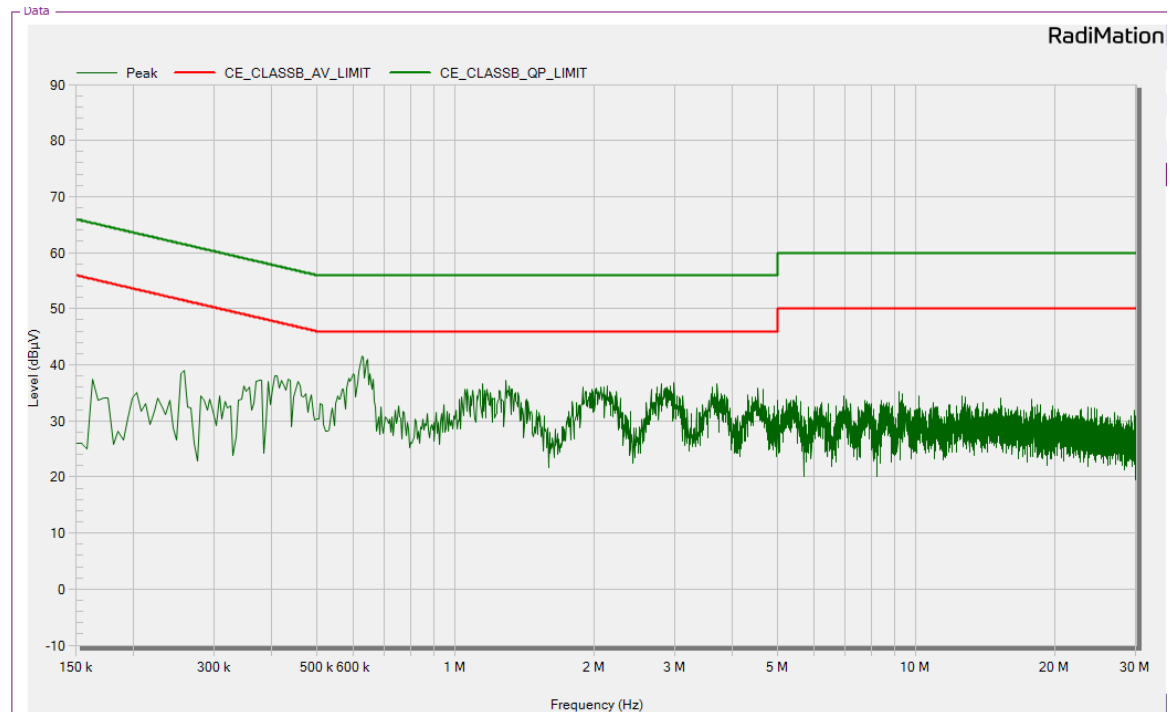
Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

11.3. Test result:

Power Lead:	1Ph, N☒, L1☐
Frequency Range:	150kHz - 30MHz
Verdict:	Pass

11.3.1. Plot- Neutral



Frequency (MHz)	Corrected Amplitude Level			Limit		Margin		Result
	Peak (dBµV)	AVG (dBµV)	QP (dBµV)	QP (dBµV)	AVG (dBµV)	QP (dB)	AVG (dB)	
0.6	40.1	37.8	38.5	56	46	-17.5	-8.2	Pass
0.627	42	33.1	40.1	56	46	-15.9	-12.9	Pass
0.654	41.2	31.6	38.9	56	46	-17.1	-14.4	Pass
1.288	37.4	27.7	34.4	56	46	-21.6	-18.3	Pass
2.985	36.4	26.8	33.2	56	46	-22.8	-19.2	Pass
3.7	35.9	26.9	33	56	46	-23.0	-19.1	Pass

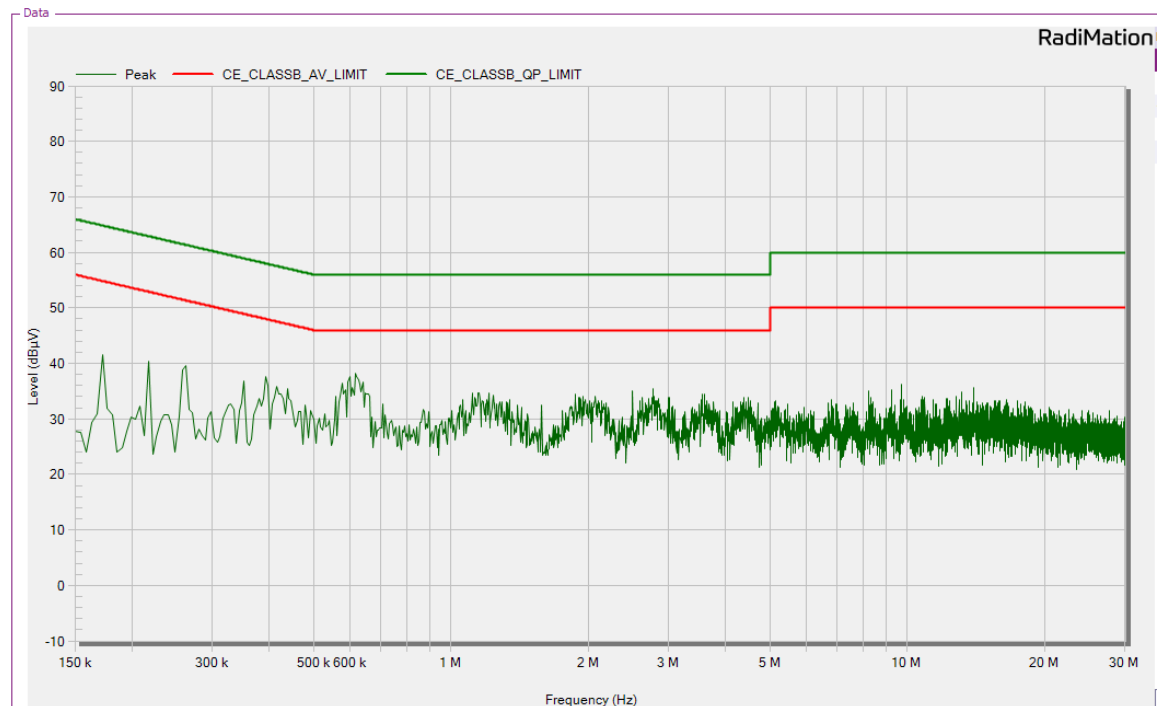
Note:

Corrected Amplitude Level [dBµV] = LISN factor[dB] + Cable loss[dB] + Limiter Loss[dB] + Reading level[dBµV].

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

Power Lead:	1Ph, N <input type="checkbox"/> , L1 <input checked="" type="checkbox"/>
Frequency Range:	150kHz - 30MHz
Verdict:	Pass

11.3.2. Plot - Line



Frequency (MHz)	Corrected Amplitude Level			Limit		Margin		Result
	Peak (dBμV)	AVG (dBμV)	QP (dBμV)	QP (dBμV)	AVG (dBμV)	QP (dB)	AVG (dB)	
0.393	39.2	34.8	37.7	58	48	-20.3	-13.2	Pass
0.577	39.4	26.4	34.5	56	46	-21.5	-19.6	Pass
0.618	40.5	28.1	36.6	56	46	-19.4	-17.9	Pass
0.64	39.3	28.7	36.5	56	46	-19.5	-17.3	Pass
2.503	32.6	21.5	28.6	56	46	-27.4	-24.5	Pass
2.773	35.7	25.8	32.3	56	46	-23.7	-20.2	Pass

Note:

Corrected Amplitude Level [dBμV] = LISN factor[dB] + Cable loss[dB] + Limiter Loss[dB] + Reading level[dBμV].

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

12. Antenna Requirement

Test Date:	15-Apr-25	Temperature:	23°C
Tested By:	Ilya Manski	Pressure:	1030.2 hPa
Test Standard:	§ 15.203 RSS-GEN §6.8	Relative Humidity:	45%
Test Procedure:	-	Photograph:	Annex II

12.1. Test Requirement:

Normal test conditions	<p>According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:</p> <ol style="list-style-type: none"> 1. Antenna must be permanently attached to the unit. 2. Antenna must use a unique type of connector to attach to the EUT. 3. Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit. <p>And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.</p>
------------------------	--

12.2. Antenna Connector Construction

The EUT has external antenna with unique antenna connector, the detail information as follows, fulfill the requirement of this section.

Model	Type	Brand	PN	Freq. (MHz)	Connector
AS0001-ANT-2	Dual Band Dipole Antenna	Solaredge	D2224AC	860-930 2400-2500	RP SMA

12.3. Verdict: Compliance

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

13. Annex I- Test Equipment List:

Description	Manufacturer	Model Name	Serial No.	Cal date	Due date
Humidity-Temperature-Air Pressure Meter	Greisinger	GFTB 200	34905708	10/06/2024	10/06/2025
Power Meter 50MHz - 18GHz	Keysight Technologies	U2021XA	MY61160019	18/06/2024	18/06/2025
EMI Receiver (w.int. preamp) 3Hz - 44GHz	Keysight Technologies	N9038B	MY60180026	08/07/2024	08/7/2026
Antenna Loop 10kHz - 30MHz	Schwarzbeck	FMZB1519	217	31/06/2023	31/06/2025
Bilog Antenna 30MHz – 1GHz	Schwarzbeck	VULB9164	16	18/04/2024	17/04/2027
Low-Noise Amplifier 1GHz - 40GHz	QUINSTAR TECHNOLOGY	QLW-01403550-HA01	1639100001	11/10/2024	10/10/2026
Horn Antenna 1GHz - 18GHz	Schwarzbeck	BBHA9120D	2485	18/07/2024	18/07/2027
DC-18GHz,20W 10dB Attenuator	Mini-Circuits	BW-N10W20+		NCR	NCR
Highpass Filter (Chebyshev)	Wainwright instr. GmbH	WHKX10-1000.4-1220-18000-50ST		NCR	NCR
RF Transient Limiter	Schwarzbeck	VTSD 9561 F-N	913	14/08/2024	14/08/2027
LISN 1PH 50A	Schwarzbeck	NSLK8122	156	13/08/2024	13/08/2027
RF Cable	Huber Suhner	SUCOFLEX_102_E	510969 /2EA	06/01/2025	06/01/2028
RF Cable	Huber Suhner	SUCOFLEX_102_E	510971 /2EA	06/01/2025	06/01/2028
RF Cable	Huber Suhner	SUCOFLEX_102_E	510967 /2EA	06/01/2025	06/01/2028
RF Cable	Huber Suhner	SUCOFLEX_102_E	510970 /2EA	06/01/2025	06/01/2028
RF Cable	Huber Suhner	SUCOFLEX_126_EA	514568/126EA	06/01/2025	06/01/2028
RF Cable	Huber Suhner	SUCOFLEX_126_EA	514569/126EA	06/01/2025	06/01/2028

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

14. Lab Accreditation



Accredited Laboratory

A2LA has accredited

SOLAREGE TECHNOLOGIES LTD.

Herzeliya, Israel

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 30th day of May 2024



Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6185.01
Valid to February 28, 2026

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

Document Title:	EMC Test Report		
Report No.:	CERT2028	Version	Rev 3.0

End of the report