

Golden Hour Sales LLC

TEST REPORT

SCOPE OF WORK

FCC TESTING – A2SLIM,
A2SLIM-GRY, A2SLIM-PUR, A2SLIM-LBU, A2SLIM-RED

REPORT NUMBER

250605037SZN-002

ISSUE DATE

20 June 2025

[REVISED DATE]

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Golden Hour Sales LLC

Application
For
Certification

FCC ID: 2BOI3-A2SLIM

PPG Golf Speaker

Model: A2SLIM
A2SLIM-GRY, A2SLIM-PUR, A2SLIM-LBU, A2SLIM-RED
2.4GHz Transceiver

Report No.: 250605037SZN-002

We hereby certify that the sample of the above item is considered to comply with the
requirements of FCC Part 15, Subpart C for Intentional Radiator,
mention 47 CFR [10-1-23]

Prepared and Checked by:

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Project Engineer

Approved by:

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Date: 20 June 2025

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MEASUREMENT/TECHNICAL REPORT

This report concerns (check one) Original Grant Class II Change

Equipment Type: DTS - Part 15 Digital Transmission System

Deferred grant requested per 47 CFR 0.457(d)(1)(ii)? Yes No

If yes, defer until: _____
date

Company Name agrees to notify the Commission by: _____
date

of the intended date of announcement of the product so that the grant can be issued on
that date.

Transition Rules Request per 15.37? Yes No

If no, assumed Part 15, Subpart C for intentional radiator - the new 47 CFR [10-01-23]
Edition] provision.

Report prepared by:

Rode Liu
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Table of Contents

1.0	Summary of Test results	4
2.0	<u>General Description</u>	5
2.1	Product Description	5
2.2	Related Submittal(s) Grants	5
2.3	Test Methodology.....	5
2.4	Test Facility	5
3.0	<u>System Test Configuration</u>	6
3.1	Justification.....	6
3.2	EUT Exercising Software.....	6
3.3	Special Accessories	6
3.4	Measurement Uncertainty.....	7
3.5	Equipment Modification	7
3.6	Support Equipment List and Description	7
4.0	<u>Measurement Results</u>	8
4.1	Maximum Conducted Output Power at Antenna Terminals	8
4.2	Minimum 6 dB RF Bandwidth	9
4.3	Maximum Power Density Reading	11
4.4	Out of Band Conducted Emissions	13
4.5	Out of Band Radiated Emissions	20
4.6	Transmitter Radiated Emissions in Restricted Bands.....	21
4.7	Field Strength Calculation	22
4.8	Radiated Spurious Emission	23
4.9	Conducted Emission.....	31
4.10	Radiated Emissions from Digital Section of Transceiver	34
4.11	Transmitter Duty Cycle Calculation and Measurements	35
5.0	<u>Equipment Photographs</u>	36
6.0	<u>Product Labelling</u>	36
7.0	<u>Technical Specifications</u>	36
8.0	<u>Instruction Manual</u>	36
9.0	<u>Confidentiality Request</u>	36
10.0	<u>Discussion of Pulse Desensitization</u>	36
11.0	<u>Test Equipment List</u>	37

1.0 Summary of Test results

Applicant: Golden Hour Sales LLC

Applicant Address: 68 White St Suite 7-186 Red Bank New Jersey United States 07701

Manufacturer: Golden Hour Sales LLC

Manufacturer Address: 68 White St Suite 7-186 Red Bank New Jersey United States 07701

Model: A2SLIM

FCC ID: 2BOI3-A2SLIM

TEST ITEM	REFERENCE	RESULTS
Max. Output power	15.247(b)(3)	Pass
6 dB Bandwidth	15.247(a)(2)	Pass
Max. Power Density	15.247(e)	Pass
Out of Band Antenna Conducted Emission	15.247(d)	Pass
Radiated Emission in Restricted Bands	15.247(d), 15.209, FCC 15.205	Pass
AC Conducted Emission	15.207	Pass
Antenna Requirement	15.203	Pass (See Notes)

Notes: The EUT uses an Integral Antenna which in accordance to Section 15.203 is considered sufficient to comply with the provisions of this section.

2.0 General Description

2.1 Product Description

The equipment under test (EUT) is a PPG Golf Speaker with Bluetooth 5.0 function operating in 2402-2480MHz. The EUT is powered by AC 120V, 60Hz. For more detail information pls. refer to the user manual.

Bluetooth Version: 5.3(BLE)

Antenna Type: Integral antenna

Antenna Gain: 0.64dBi (This information is provided by applicant, and the applicant is responsible for the authenticity of the provided information.)

Modulation Type: GFSK

The Model: A2SLIM-GRY, A2SLIM-PUR, A2SLIM-LBU, A2SLIM-RED are the same as the Model: A2SLIM in hardware and electrical aspect. The difference in model number and trademark serves as packaging and marketing purpose only.

For electronic filing, the brief circuit description is saved with filename: descri.pdf.

2.2 Related Submittal(s) Grants

This is an application for certification of transceiver for the PPG Golf Speaker which has Bluetooth function. Other digital functions were reported in the verification report: 250605003SZN-003.

And the BT(EDR) report number: 250605037SZN-001.

2.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013) and KDB 558074 D01 v05r02. Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst-case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters, unless stated otherwise in the "**Justification Section**" of this Application.

2.4 Test Facility

The Semi-anechoic chamber and shielded room used to collect the radiated data and conducted data are **Intertek Testing Services Shenzhen Ltd. Longhua Branch** and located at 101, 201, Building B, No. 308 Wuhe Avenue, Zhangkengjing Community, GuanHu Subdistrict, LongHua District, Shenzhen, P.R. China. This test facility and site measurement data have been fully placed on file with File Number: CN1188.

3.0 System Test Configuration

3.1 Justification

For emissions testing, the equipment under test (EUT) setup to transmit continuously to simplify the measurement methodology. Care was taken to ensure proper power supply voltages during testing. During testing, all cables were manipulated to produce worst case emissions. The EUT was powered by AC120V, 60Hz during the test.

For maximizing emissions, the EUT was rotated through 360°, the EUT was placed on the styrene turntable with 12mm up to 1GHz and 12 mm above 1GHz. The antenna height and polarization are varied during the search for maximum signal level. The antenna height is varied from 1 to 4 meters. Radiated emissions are taken at three meters unless the signal level is too low for measurement at that distance. If necessary, a pre-amplifier is used and/or the test is conducted at a closer distance.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000 MHz. The resolution is 1 MHz or greater for frequencies above 1000 MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

The rear of unit shall be flushed with the rear of the table.

Radiated emission measurement were performed the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

3.2 EUT Exercising Software

The EUT exercise program (provided by client) used during radiated and conducted testing was designed to exercise the various system components in a manner similar to a typical use. The worst-case configuration is used in all specified testing.

The parameters of test software setting:

During the test, Channel and power controlling software provided by the applicant was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the application and is going to be fixed on the firmware of the end product.

Test software: FCC_assist_1.0.2.2

3.3 Special Accessories

N/A.

3.4 Measurement Uncertainty

When determining of the test conclusion, the Measurement Uncertainty of test has been considered.

3.5 Equipment Modification

Any modifications installed previous to testing by Golden Hour Sales LLC will be incorporated in each production model sold / leased in the United States.

No modifications were installed by Intertek Testing Services Shenzhen Ltd. Longhua Branch.

3.6 Support Equipment List and Description

Description	Manufacturer	Remark
Laptop (Provided by Intertek)	DELL	Latitude 3480
Phone	SAMSUNG	S7
Adaptor	Xiaomi	Model: MDY-09-EW Input: AC 100-240V, 50/60Hz, 0.35A Output: DC 5V2.0A
USB Cable	/	0.7meter, unshielded

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.0 Measurement Results**4.1 Maximum Conducted Output Power at Antenna Terminals, FCC Rules 15.247(b)(3):**

The antenna power of the EUT was connected to the input of a broadband peak RF power meter. The power meter has a video bandwidth that is greater than DTS bandwidth and utilize a fast-responding diode detector. Power was read directly at the EUT antenna terminals with cable loss added.

For antennas with gains of 6 dBi or less, maximum allowed Transmitter output is 1 watt (+30 dBm).

Frequency (MHz)	Output in dBm (Peak Reading)	Output in mWatt
Low Channel: 2402	-6.23	0.24
Middle Channel: 2440	-4.04	0.39
High Channel: 2480	-2.95	0.51

Cable loss: 0.5 dB External Attenuation: 0 dB

Cable loss, external attenuation has been included in OFFSET function.

For RF Exposure, the information is saved with filename: RF exposure.pdf.

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

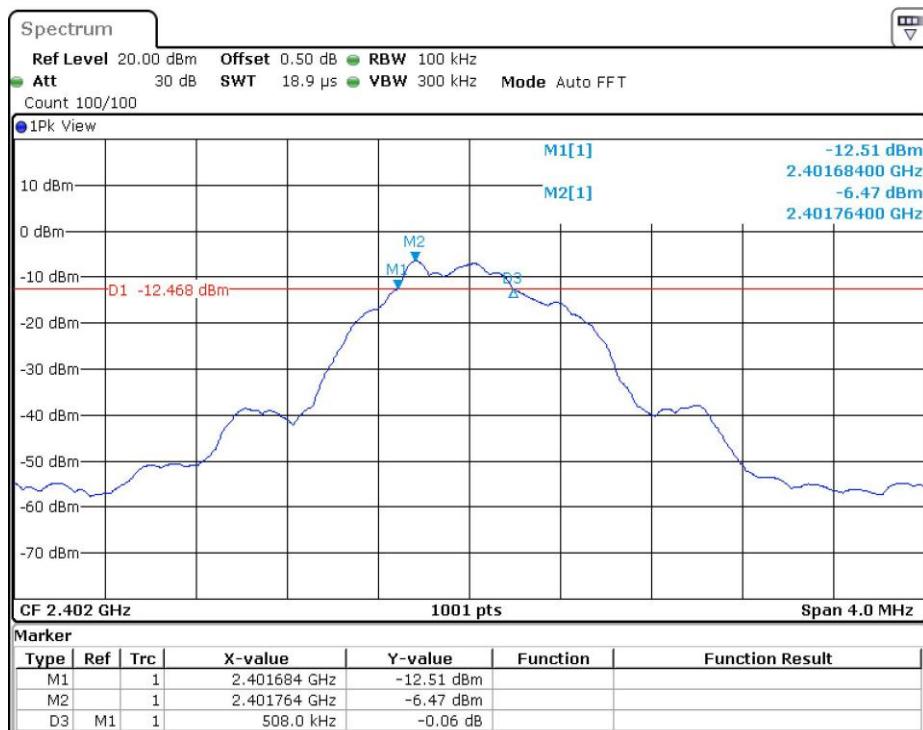
4.2 Minimum 6 dB RF Bandwidth, FCC Rule 15.247(a) (2):

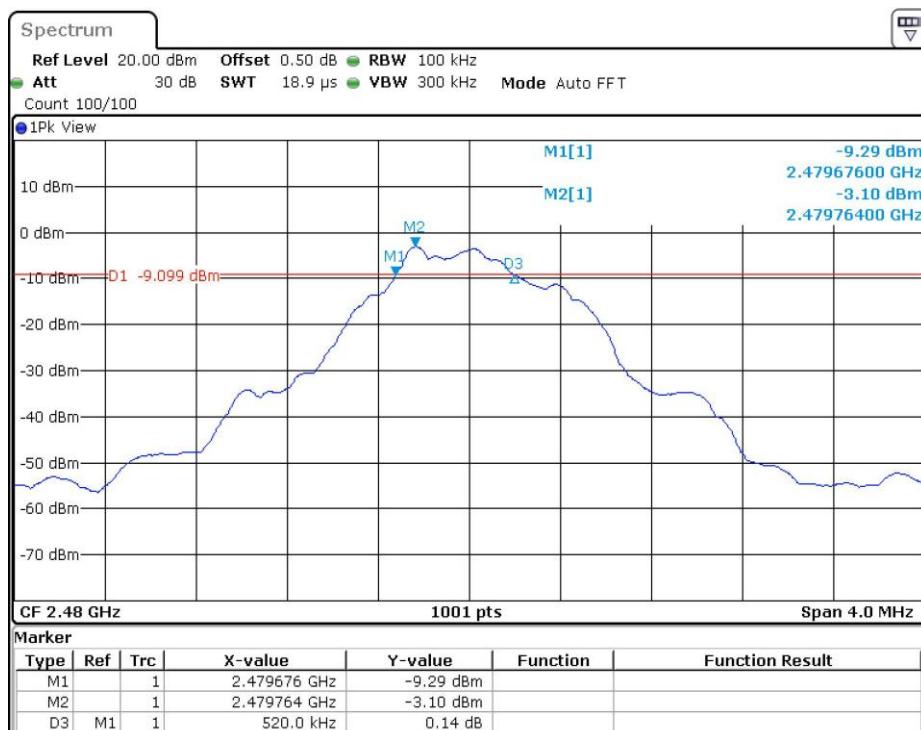
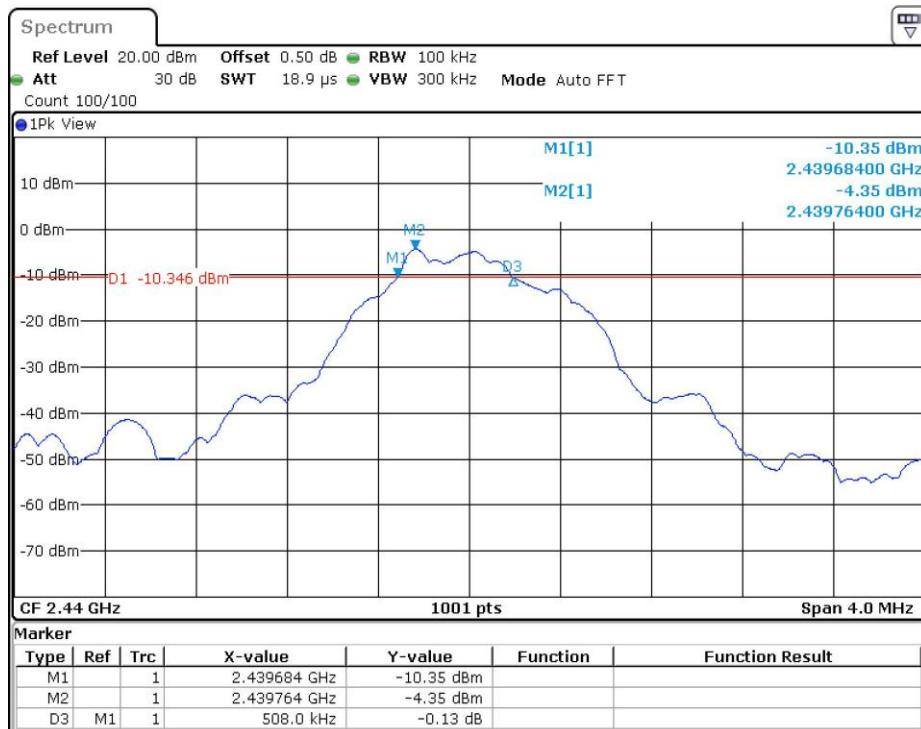
The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RES BW was set to 100 KHz according to FCC KDB 558074 D01 v05r02. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. A PEAK output reading was taken, a DISPLAY line was drawn 6 dB lower than PEAK level. The 6dB bandwidth was determined from where the channel output spectrum intersected the display line.

Limit: The 6 dB Bandwidth is at least 500 kHz.

Frequency (MHz)	6 dB Bandwidth (kHz)
2402	508.000
2440	508.000
2480	520.000

The test plots are attached as below.





Applicant: Golden Hour Sales LLC
Date of Test: 11 June 2025

Model: A2SLIM

4.3 Maximum Power Density Reading, FCC Rule 15.247(e):

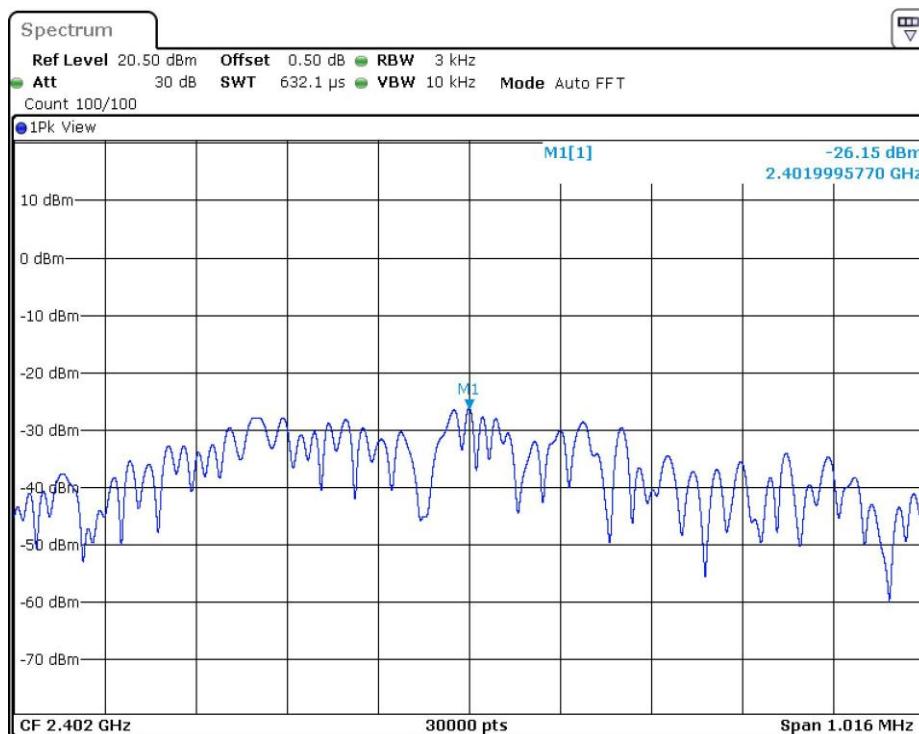
The Measurement Procedure PKPSD was set according to the FCC KDB 558074 D01 v05r02.

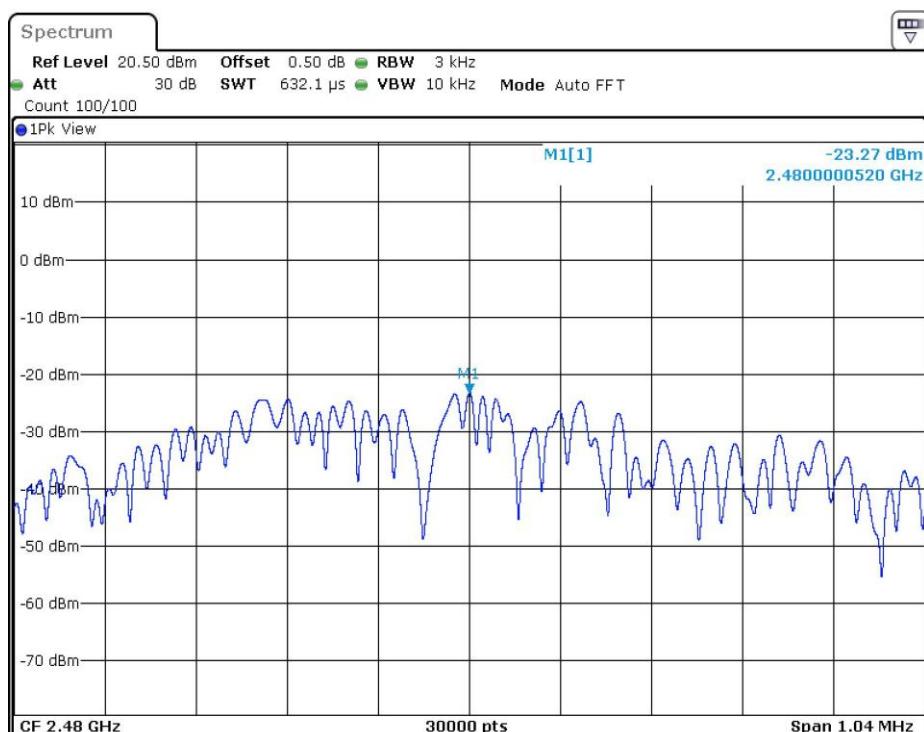
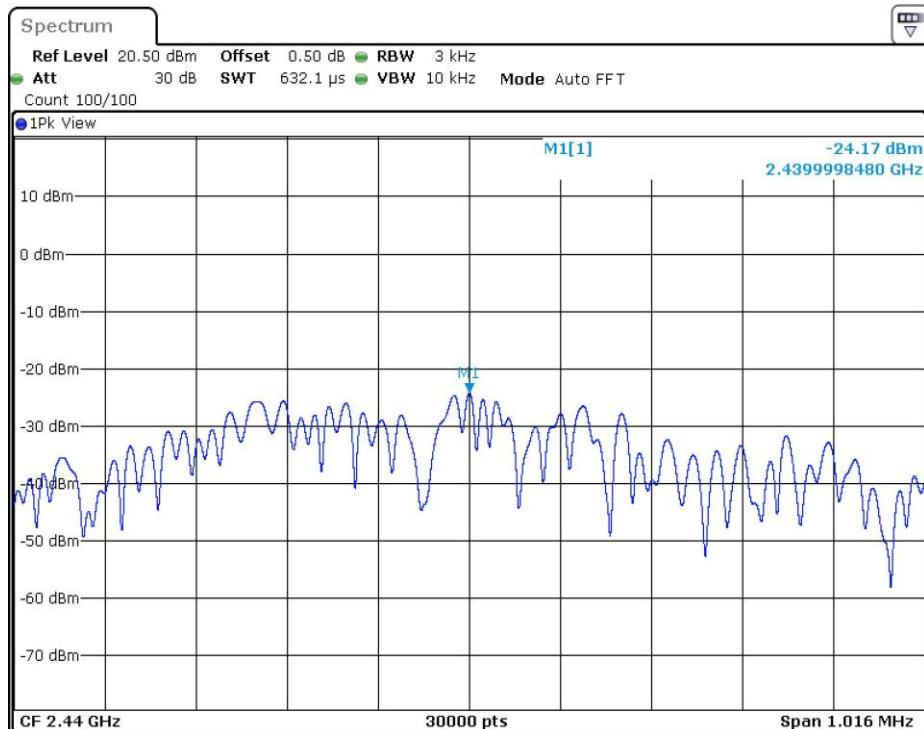
Antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

Limit: The Power Density does not exceed 8dBm/3 kHz.

Frequency (MHz)	Power Density with RBW 3kHz(dBm)
2402	-26.15
2440	-24.17
2480	-23.27

The test plots are attached as below.





Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.4 Out of Band Conducted Emissions, FCC Rule 15.247(d)

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. The Measurement Procedure was set according to the FCC KDB 558074 D01 v05r02.

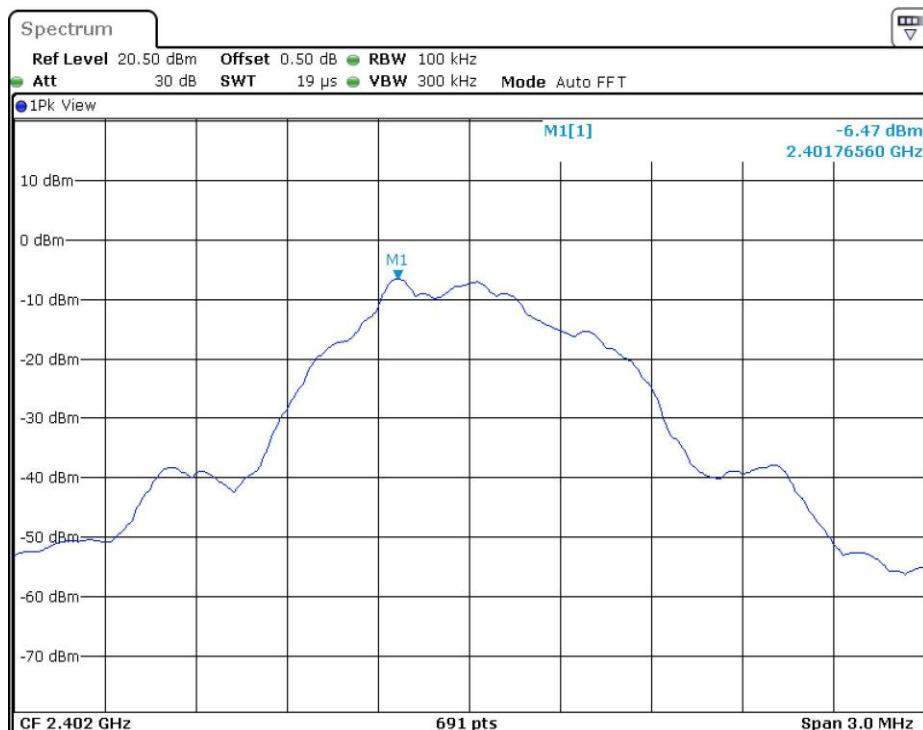
All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the passband.

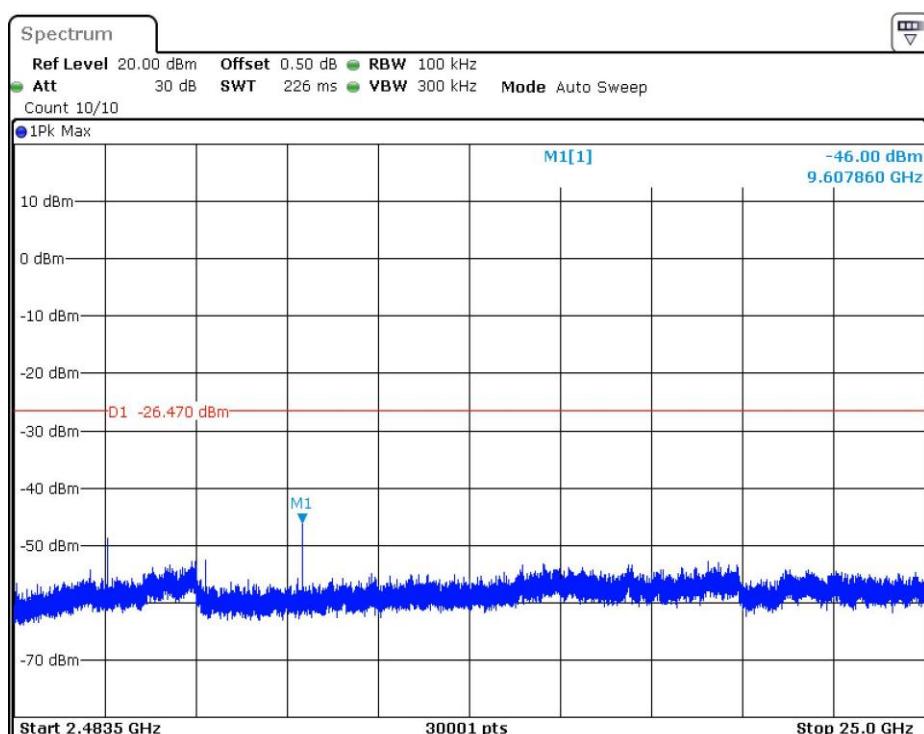
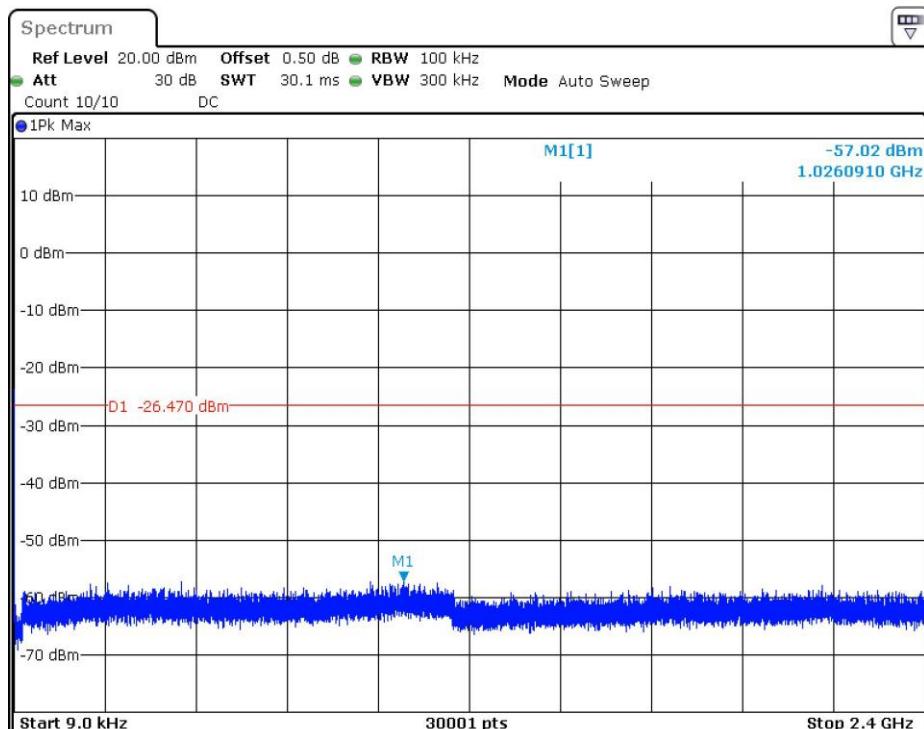
Refer to the attached test plots for out of band conducted emissions data with rate of 1Mbps for BLE.

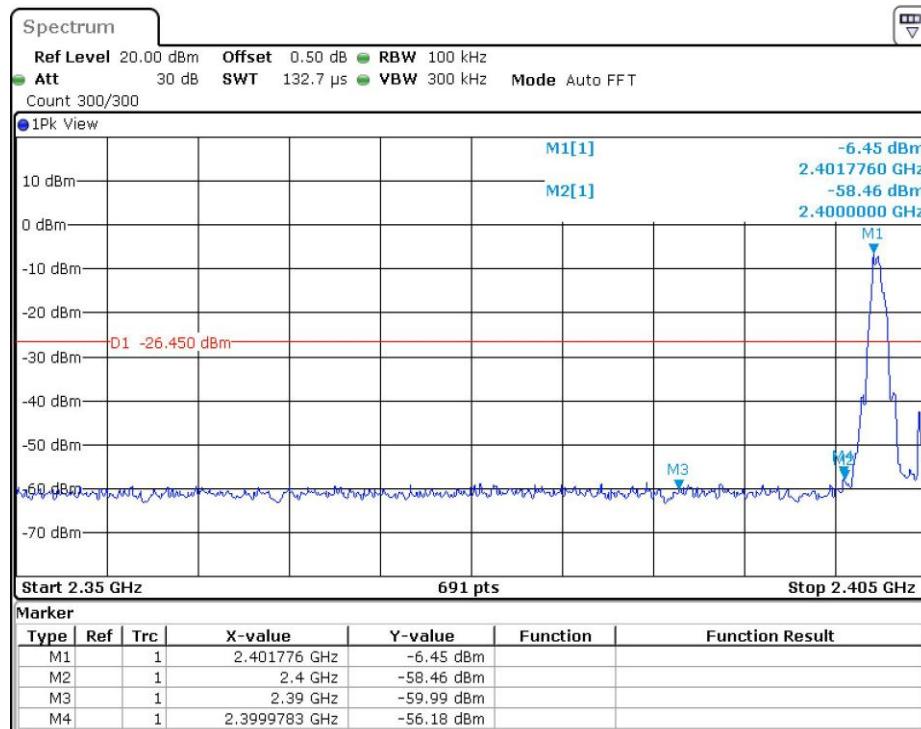
The test plots showed all spurious emission up to the tenth harmonic were measured and they were found to be at least 20 dB below the highest level of the desired power in the passband.

The test plots are attached as below.

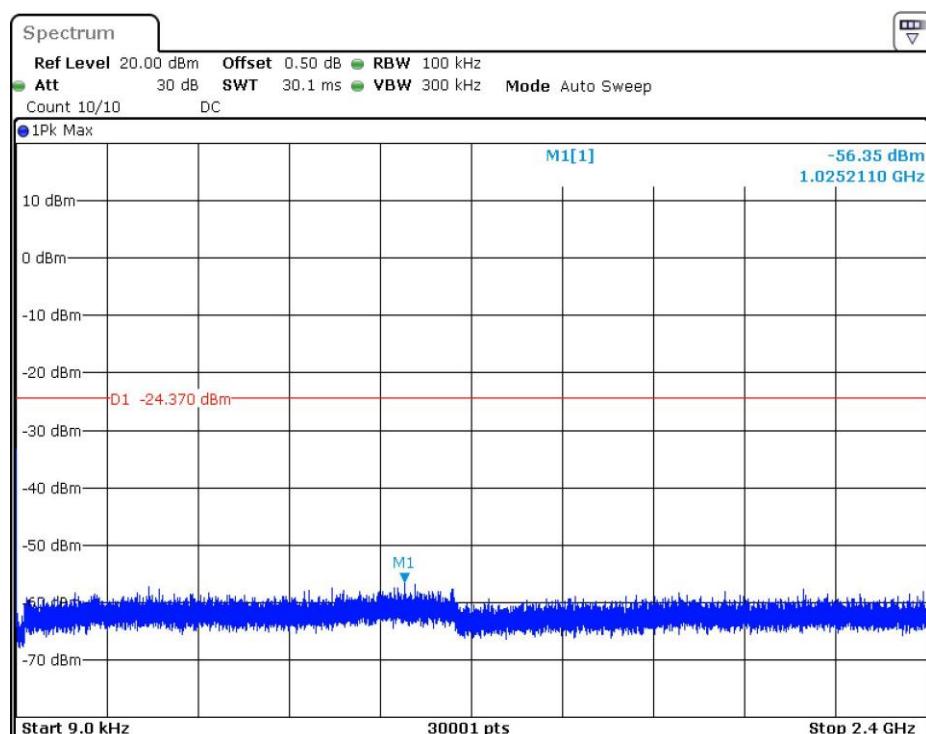
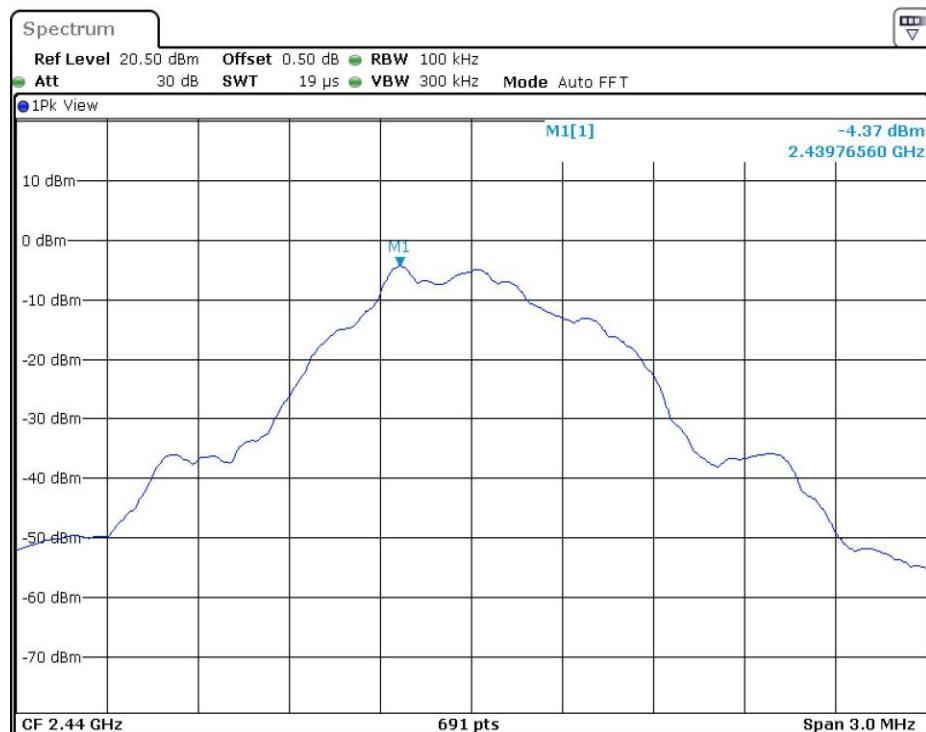
Channel 00 (2402MHz) Reference Level: -6.47dBm

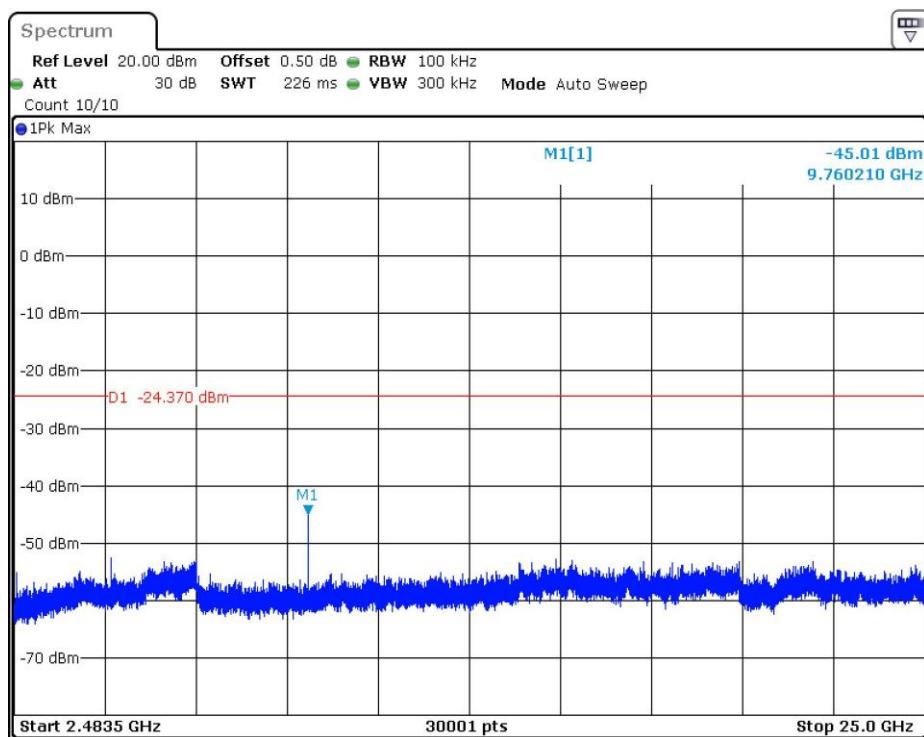




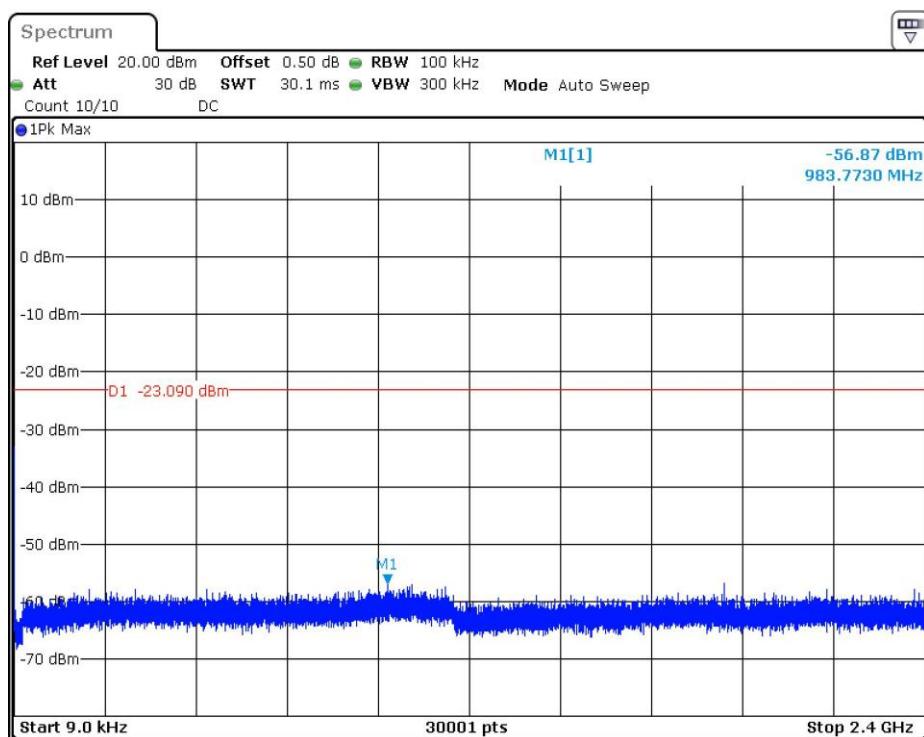
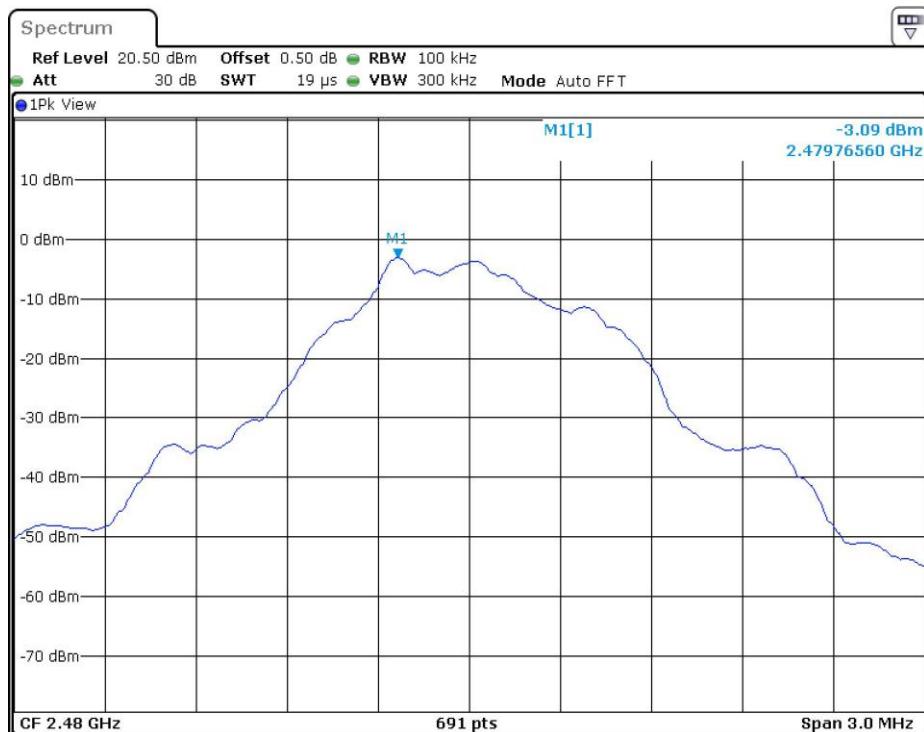


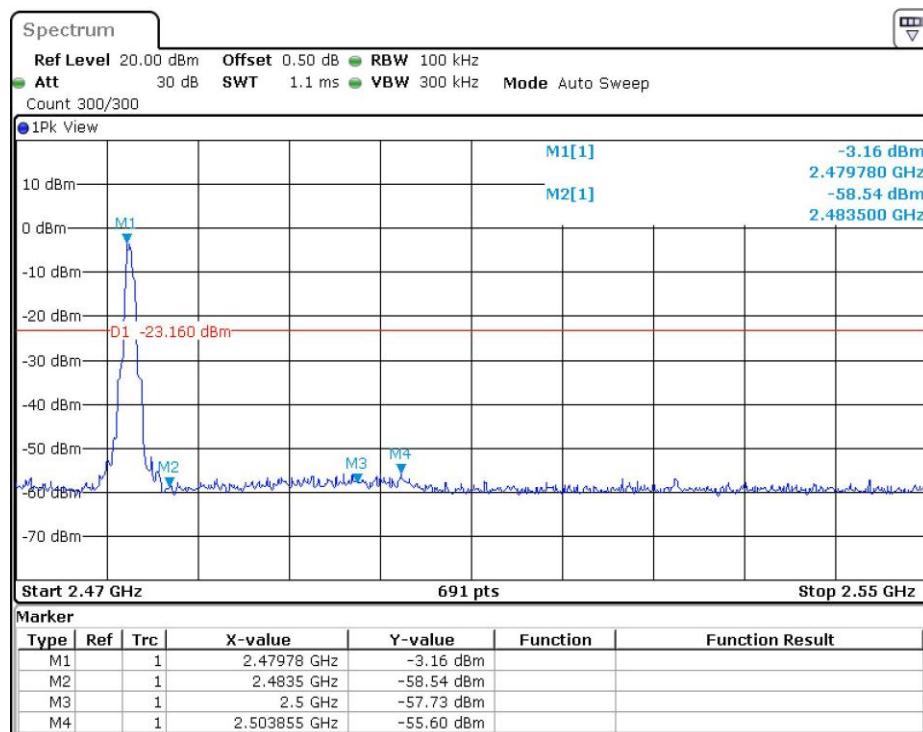
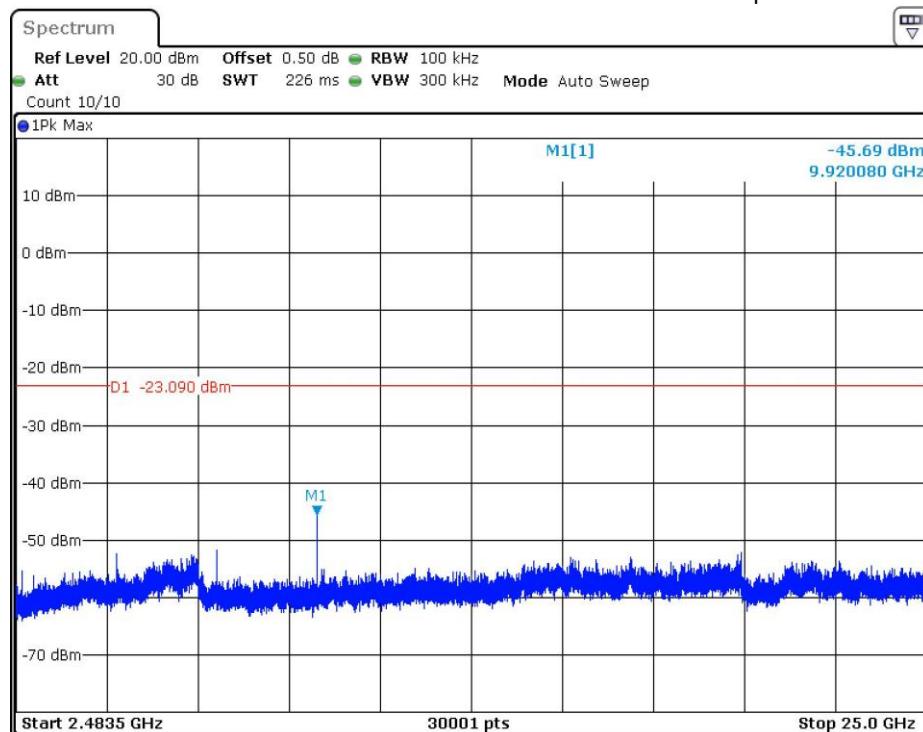
Channel 19 (2440MHz) Reference Level: -4.37dBm





Channel 39 (2480MHz) Reference Level: -3.09dBm





Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.5 Out of Band Radiated Emissions (for emissions in 4.4 above that are less than 20dB below carrier), FCC Rule 15.247(d):

For out of band emissions that are close to or that exceed the 20dB attenuation requirement described in the specification, radiated measurements were performed at a 3m separation distance to determine whether these emissions complied with the general radiated emission requirement.

- Not required, since all emissions are more than 20dB below fundamental.
- See attached data sheet.

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.6 Transmitter Radiated Emissions in Restricted Bands, FCC Rule 15.35(b) (c):

Data is included of the worst-case configuration (the configuration which resulted in the highest emission levels). A sample calculation, configuration photographs and data tables of the emissions are included. All measurements were performed with peak detection unless otherwise specified.

The data on the following pages list the significant emission frequencies, the limit and the margin of compliance.

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.7 Field Strength Calculation

The field strength is calculated by adding the reading on the Spectrum Analyzer to the factors associated with preamplifiers (if any), antennas, cables, pulse desensitization and average factors (when specified limit is in average and measurements are made with peak detectors). A sample calculation is included below.

$$FS = RA + AF + CF - AG + PD$$

Where

FS = Field Strength in $\text{dB}\mu\text{V}/\text{m}$ RA = Receiver Amplitude (including preamplifier) in $\text{dB}\mu\text{V}$

CF = Cable Attenuation Factor in dB

AF = Antenna Factor in dB/m

AG = Amplifier Gain in dB

PD = Pulse Desensitization in dB

In the radiated emission table which follows, the reading shown on the data table may reflect the preamplifier gain. An example of the calculations, where the reading does not reflect the preamplifier gain, follows:

$$FS = RA + AF + CF - AG + PD$$

Example

Assume a receiver reading of 62.0 $\text{dB}\mu\text{V}$ is obtained. The antenna factor of 7.4 dB/m and cable factor of 1.6 dB is added. The amplifier gain of 29 dB is subtracted. The pulse desensitization factor of the spectrum analyzer was 0 dB. The net field strength for comparison to the appropriate emission limit is 42 $\text{dB}\mu\text{V}/\text{m}$. This value in $\text{dB}\mu\text{V}/\text{m}$ was converted to its corresponding level in $\mu\text{V}/\text{m}$.

$$RA = 62.0 \text{ dB}\mu\text{V}$$

$$AF = 7.4 \text{ dB}/\text{m}$$

$$CF = 1.6 \text{ dB}$$

$$AG = 29.0 \text{ dB}$$

$$PD = 0 \text{ dB}$$

$$FS = 62 + 7.4 + 1.6 - 29 + 0 = 42 \text{ dB}\mu\text{V}/\text{m}$$

Level in $\text{mV}/\text{m} = \text{Common Antilogarithm} [(42 \text{ dB}\mu\text{V}/\text{m})/20] = 125.9 \mu\text{V}/\text{m}$

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.8 Radiated Spurious Emission

Worst Case Radiated Spurious Emission
at 2390.000MHz
is passed by 5.5dB margin.

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: radiated photos.pdf.

Applicant: Golden Hour Sales LLC

Date of Test: 06 June 2025

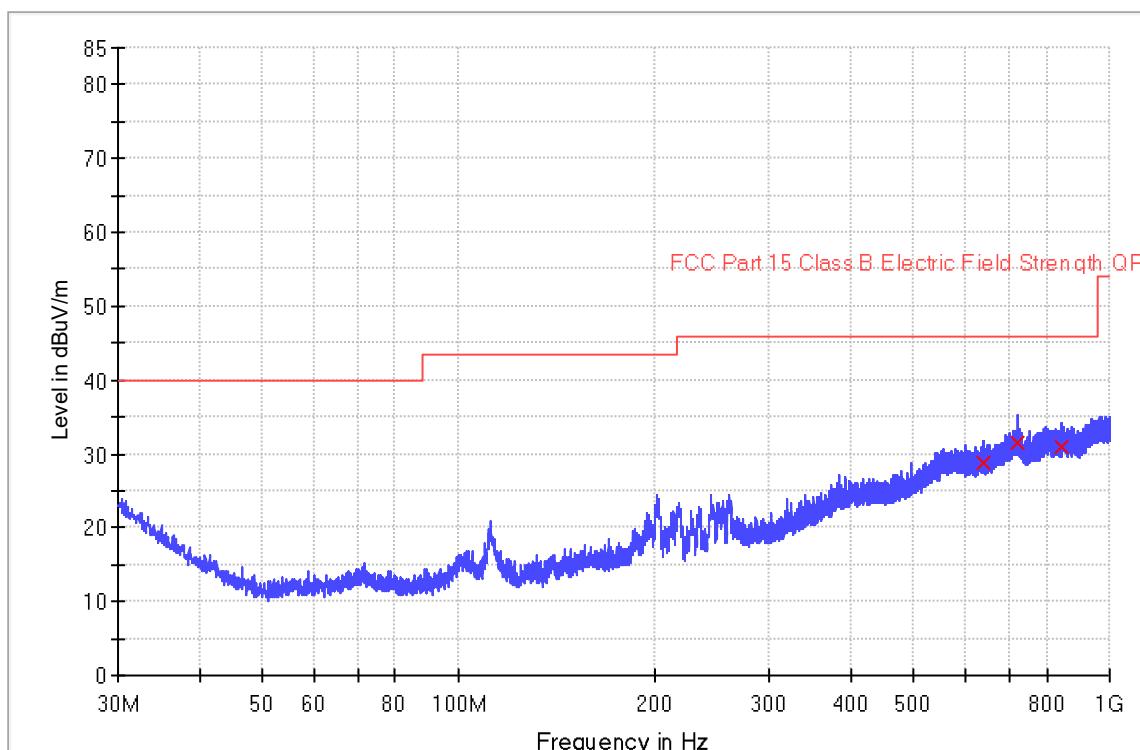
Worst Case Operating Mode:

Model: A2SLIM

BT Link

ANT Polarity: Horizontal

FCC Part 15



Frequency (MHz)	Quasi Peak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK dB μ V/m
639.903667	28.7	1000.0	120.000	H	29.4	17.3	46.0
719.993333	31.5	1000.0	120.000	H	30.9	14.5	46.0
842.407333	31.0	1000.0	120.000	H	31.9	15.0	46.0

Remark:

1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dB μ V/m) = Corr. (dB/m) + Read Level (dB μ V)
3. Margin (dB) = Limit Line (dB μ V/m) – Level (dB μ V/m)

Applicant: Golden Hour Sales LLC

Date of Test: 06 June 2025

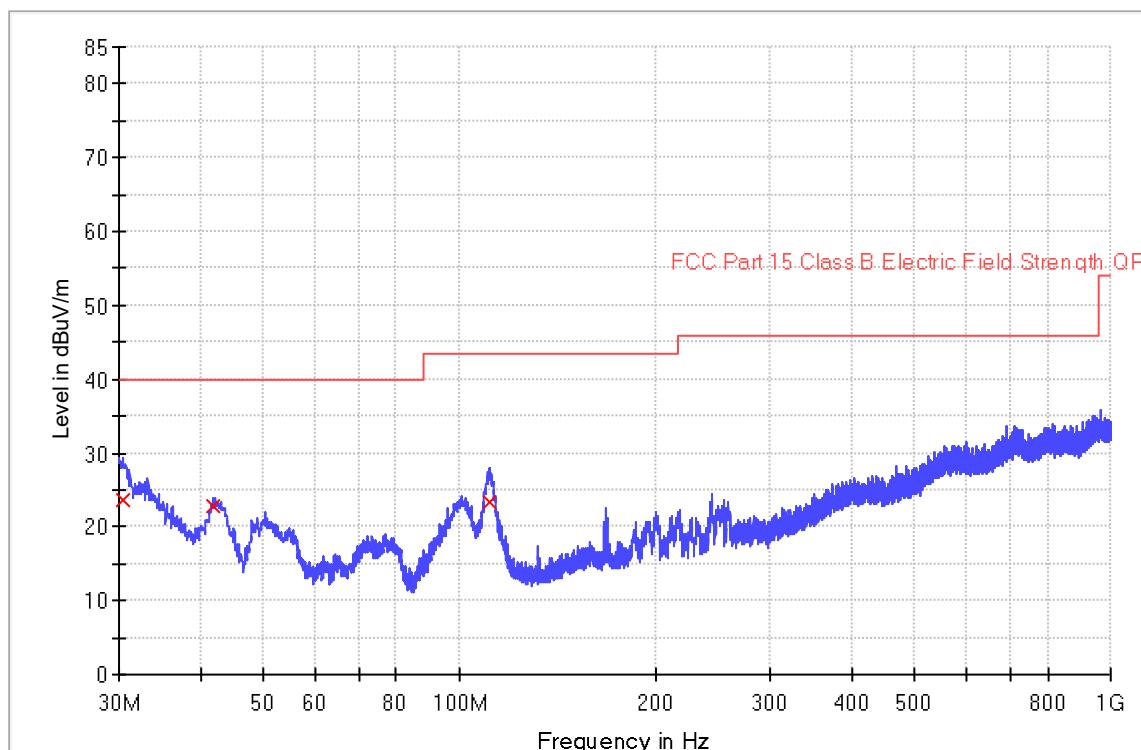
Worst Case Operating Mode:

Model: A2SLIM

BT Link

ANT Polarity: Vertical

FCC Part 15



Frequency (MHz)	Quasi Peak (dB μ V/m)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Corr. (dB/m)	Margin - QPK (dB)	Limit – QPK (dB μ V/m)
30.323333	23.7	1000.0	120.000	V	23.4	16.3	40.0
41.866333	22.9	1000.0	120.000	V	15.8	17.1	40.0
111.092000	23.5	1000.0	120.000	V	15.1	20.0	43.5

Remark:

1. Corr. (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB)
2. Quasi Peak (dB μ V/m) = Corr. (dB/m) + Read Level (dB μ V)
3. Margin (dB) = Limit Line (dB μ V/m) – Level (dB μ V/m)

Applicant: Golden Hour Sales LLC

Date of Test: 13 June 2025

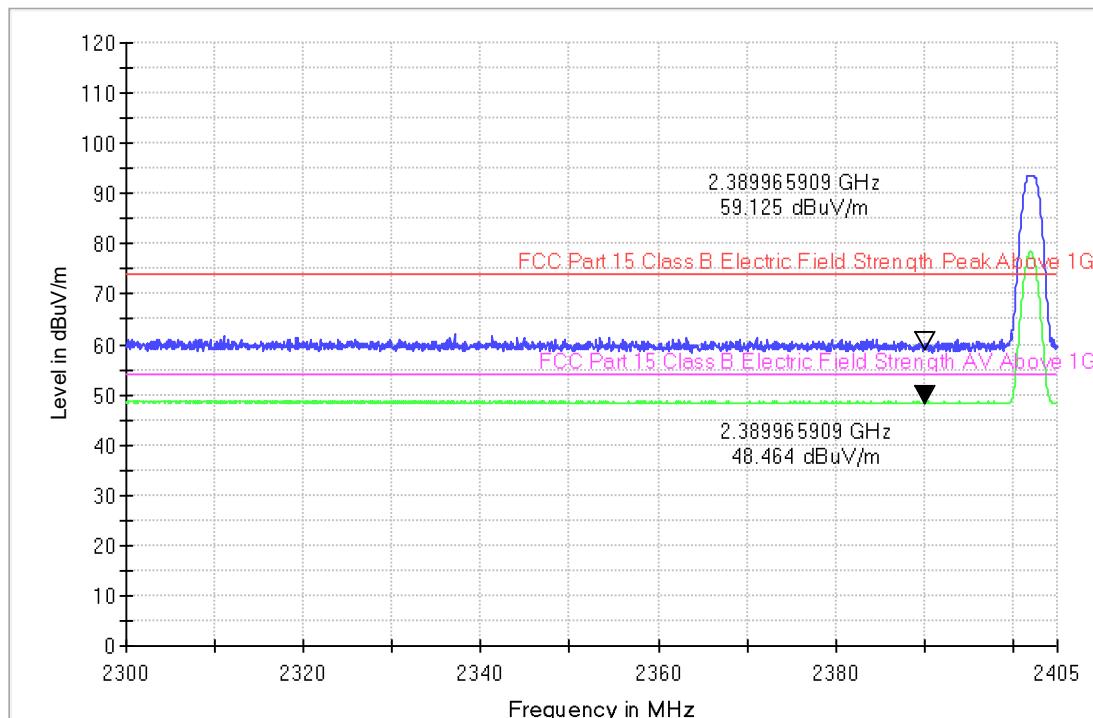
Worst Case Operating Mode:

Model: A2SLIM

Transmitting (Channel 0)

Radiated Emissions (above 1GHz)

Electric Field Strength 1-18GdBuV TX Band Edge+EIRP



Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dB μ V/m)	Peak Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	*2390.000	64.8	33.1	27.4	59.1	74.0	-14.9
Horizontal	*4804.000	39.2	30.6	32.7	41.3	74.0	-32.7

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dB μ V/m)	Average Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	*2390.000	54.2	33.1	27.4	48.5	54.0	-5.5
Horizontal	*4804.000	28.4	30.6	32.7	30.5	54.0	-23.5

NOTES:

1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz/VBW=10Hz for average value.
2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional

extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.
4. Horn antenna used for the emission over 1000MHz.
 - * Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: Golden Hour Sales LLC

Date of Test: 13 June 2025

Worst Case Operating Mode:

Model: A2SLIM

Transmitting (Channel 19)

Radiated Emissions (above 1GHz)

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dB μ V/m)	Peak Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	*4880.000	43.1	30.5	32.9	45.5	74.0	-28.5
Horizontal	*7320.000	40.5	30.9	37.3	46.9	74.0	-27.1

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dB μ V/m)	Average Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	*4880.000	27.6	30.5	32.9	30.0	54.0	-24.0
Horizontal	*7320.000	28.0	30.9	37.3	34.4	54.0	-19.6

NOTES:

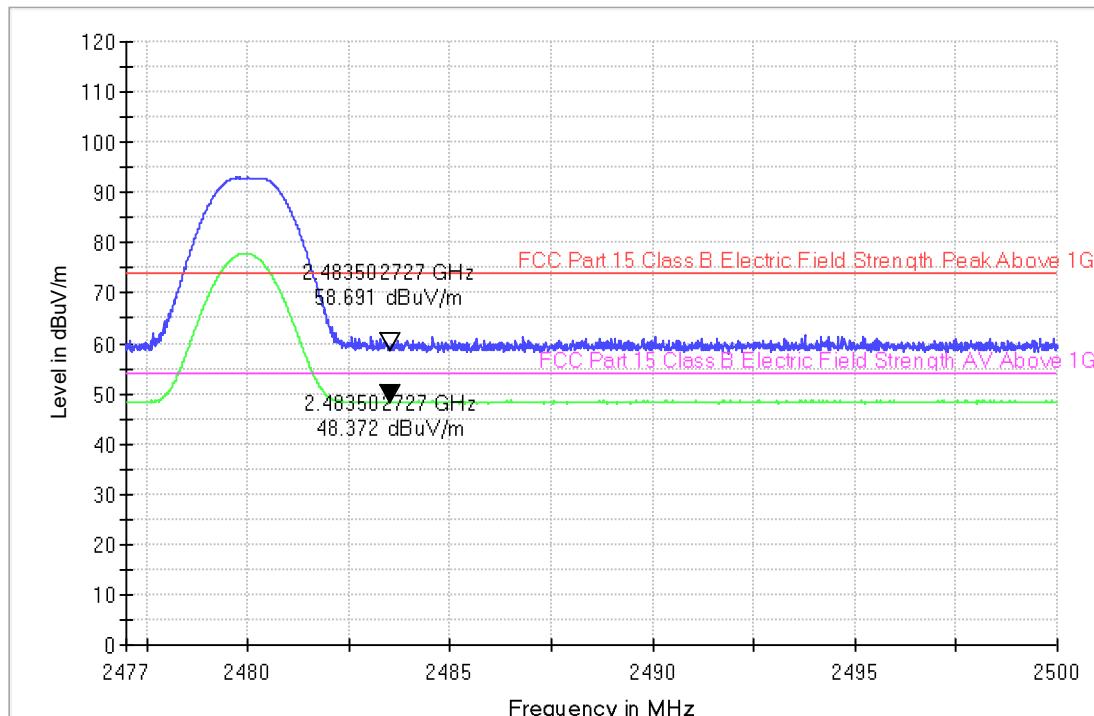
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.
 3. Negative value in the margin column shows emission below limit.
 4. Horn antenna used for the emission over 1000MHz.
- * Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: Golden Hour Sales LLC
 Date of Test: 13 June 2025
 Worst Case Operating Mode:

 Model: A2SLIM
 Transmitting (Channel 39)

Radiated Emissions (above 1GHz)

Electric Field Strength 1-18GdBuV TX Band Edge+EIRP



Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dB μ V/m)	Peak Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	*2483.500	64.0	33.1	27.8	58.7	74.0	-15.3
Horizontal	*4960.000	43.3	30.5	32.9	45.7	74.0	-28.3
Horizontal	*7440.000	40.2	30.9	37.3	46.6	74.0	-27.4

Polarization	Frequency (MHz)	Reading (dB μ V)	Pre-Amp Gain (dB)	Antenna Factor (dB/m)	Net at 3m (dB μ V/m)	Average Limit at 3m (dB μ V/m)	Margin (dB)
Horizontal	*2483.500	53.7	33.1	27.8	48.4	54.0	-5.6
Horizontal	*4960.000	33.1	30.5	32.9	35.5	54.0	-18.5
Horizontal	*7440.000	31.0	30.9	37.3	37.4	54.0	-16.6

- NOTES:
1. Peak detector is used, RBW=1MHz/VBW=3MHz for peak value and RBW=1MHz / VBW=10Hz for average value.
 2. All measurements were made at 3 meters. Radiated emissions not detected at the 3-meter distance were measured at 0.3-meter and an inverse proportional

extrapolation was performed to compare the signal level to the 3-meter limit. No other radiated emissions than those reported were detected at a test distance of 0.3-meter.

3. Negative value in the margin column shows emission below limit.
4. Horn antenna used for the emission over 1000MHz.
 - * Emission within the restricted band meets the requirement of section 15.205. The corresponding limit as per 15.209 is based on Quasi peak limit for frequencies below 1000 MHz and average limit for frequencies over 1000 MHz. The radio frequency emissions above 1GHz also meet corresponding 20dB permitted peak limit with a peak detector function.

Applicant: Golden Hour Sales LLC

Date of Test: 06 June 2025

Model: A2SLIM

4.9 Conducted Emission

Worst Case Conducted Emission
at 0.878000MHz
is passed by 20.9dB margin.

For the electronic filing, the worst case radiated emission configuration photographs are saved with filename: conducted photos.pdf.

Applicant: Golden Hour Sales LLC

Date of Test: 06 June 2025

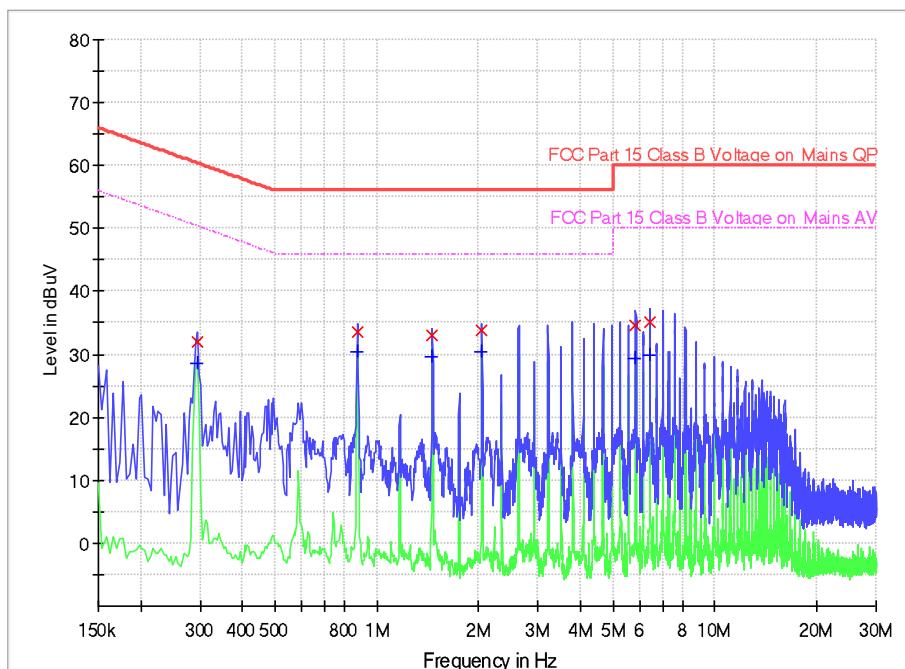
Model: A2SLIM

Worst Case Operating Mode: BT Link

Phase: Live

Graphic / Data Table**Conducted Emissions
Pursuant to FCC 15.207: Emissions Requirement**

Conducted Emission Test FCC Part 15

**Limit and Margin QP**

Frequency (MHz)	Quasi Peak (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.294000	32.1	9.000	L1	9.5	28.3	60.4
0.878000	33.6	9.000	L1	9.4	22.4	56.0
1.458000	33.1	9.000	L1	9.4	22.9	56.0
2.046000	33.8	9.000	L1	9.4	22.2	56.0
5.838000	34.5	9.000	L1	9.5	25.5	60.0
6.422000	35.1	9.000	L1	9.5	24.9	60.0

Limit and Margin AV

Frequency (MHz)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.294000	28.7	9.000	L1	9.5	31.7	60.4
0.878000	30.3	9.000	L1	9.4	25.7	56.0
1.458000	29.6	9.000	L1	9.4	26.4	56.0
2.046000	30.4	9.000	L1	9.4	25.6	56.0
5.838000	29.4	9.000	L1	9.5	30.6	60.0
6.422000	29.8	9.000	L1	9.5	30.2	60.0

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

2. Margin (dB) = Limit (dB μ V) – Level (dB μ V)

Applicant: Golden Hour Sales LLC

Date of Test: 06 June 2025

Model: A2SLIM

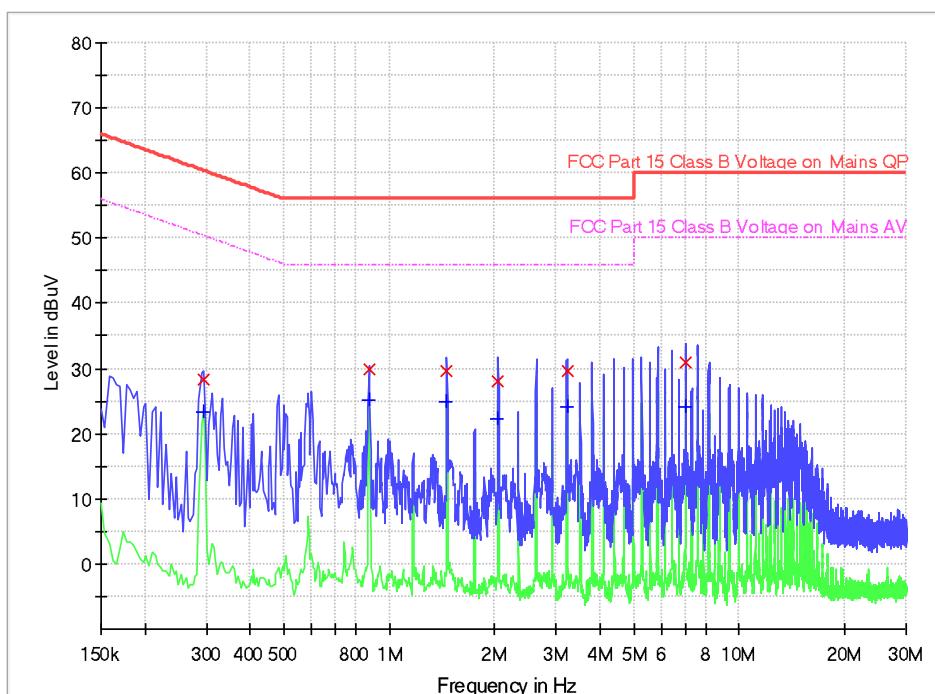
Worst Case Operating Mode: BT Link

Phase: Neutral

Graphic / Data Table

Conducted Emissions Pursuant to FCC 15.207: Emissions Requirement

Conducted Emission Test FCC Part 15



Limit and Margin QP

Frequency (MHz)	Quasi Peak (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.294000	28.2	9.000	N	9.6	32.2	60.4
0.878000	29.9	9.000	N	9.5	26.1	56.0
1.462000	29.6	9.000	N	9.6	26.4	56.0
2.050000	28.0	9.000	N	9.6	28.0	56.0
3.218000	29.5	9.000	N	9.6	26.5	56.0
7.014000	30.9	9.000	N	9.7	29.1	60.0

Limit and Margin AV

Frequency (MHz)	Average (dB μ V)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.294000	23.2	9.000	N	9.6	27.2	50.4
0.878000	25.1	9.000	N	9.5	20.9	46.0
1.462000	24.8	9.000	N	9.6	21.2	46.0
2.050000	22.3	9.000	N	9.6	23.7	46.0
3.218000	24.2	9.000	N	9.6	21.8	46.0
7.014000	24.2	9.000	N	9.7	25.8	50.0

Remark:

1. Corr. Factor (dB) = LISN Factor (dB) + Cable Loss (dB)

 2. Margin (dB) = Limit (dB μ V) – Level (dB μ V)

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.10 Radiated Emissions from Digital Section of Transceiver, FCC Ref: 15.109

- [] Not required - No digital part.
- [] Test results are attached.
- [x] Included in the separated report.

Applicant: Golden Hour Sales LLC

Date of Test: 11 June 2025

Model: A2SLIM

4.11 Transmitter Duty Cycle Calculation and Measurements, FCC Rule 15.35(b), (c)

The EUT antenna output port was connected to the input of the spectrum analyzer. The analyzer center frequency was set to EUT RF channel carrier. The SWEP function on the analyzer was set to ZERO SPAN. The Transmitter ON time was determined from the resultant time-amplitude display:

	See attached spectrum analyzer chart (s) for Transmitter timing
	See Transmitter timing diagram provided by manufacturer
x	Not applicable, duty cycle was not used.

5.0 Equipment Photographs

For electronic filing, the photographs are saved with filename: external photos.pdf & internal photos.pdf.

6.0 Product Labeling

For electronic filing, the FCC ID label artwork and location is saved with filename: label.pdf.

7.0 Technical Specifications

For electronic filing, the block diagram and circuit diagram are saved with filename: block.pdf and circuit.pdf respectively.

8.0 Instruction Manual

For electronic filing, a preliminary copy of the Instruction Manual is saved with filename: manual.pdf.

This manual will be provided to the end-user with each unit sold/leased in the United States.

9.0 Confidentiality Request

For electronic filing, the confidentiality request of the tested EUT is saved with filename: request.pdf.

10.0 Discussion of Pulse Desensitization

The determination of pulse desensitivity was made in accordance with Hewlett Packard Application Note 150-2, *Spectrum Analysis ... Pulsed RF*.

Pulse desensitivity is not applicable for this device since the transmitter transmits the RF signal continuously.

11.0 Test Equipment List

Equipment No.	Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Due Date
SZ061-13	BiConiLog Antenna	ETS	3142E	00217919	2025-05-29	2028-05-29
SZ182-02	RF Power Meter	Anritsu	ML2496A	1302005	2025-04-21	2026-04-21
SZ185-03	EMI Receiver	R&S	ESR7	101975	2025-04-13	2026-04-13
SZ061-08	Horn Antenna	ETS	3115	00092346	2024-09-13	2027-09-13
SZ061-06	Active Loop Antenna	Electro-Metrics	EM-6876	217	2024-05-05	2027-05-05
SZ056-03	Spectrum Analyzer	R&S	FSP 30	101148	2025-04-21	2026-04-21
SZ056-06	Signal Analyzer	R&S	FSV 40	101101	2024-12-06	2025-12-06
SZ181-04	Preamplifier	Agilent	8449B	3008A02474	2025-04-21	2026-04-21
SZ188-01	Anechoic Chamber	ETS	RFD-F/A-100	4102	2021-12-12	2026-12-12
SZ062-02	RF Cable	RADIALL	RG 213U	--	2025-04-30	2025-10-30
SZ062-05	RF Cable	RADIALL	0.04-26.5GHz	--	2025-04-30	2025-10-30
SZ062-12	RF Cable	RADIALL	0.04-26.5GHz	--	2025-04-30	2025-10-30
SZ067-04	Notch Filter	Micro-Tronics	BRM5070 2-02	--	2025-04-21	2026-04-21
SZ185-02	EMI Test Receiver	R&S	ESCI	100692	2024-07-09	2025-07-09
SZ187-01	Two-Line V-Network	R&S	ENV216	100072	2024-10-24	2025-10-24
SZ188-03	Shielding Room	ETS	RFD-100	4100	2022-12-20	2025-12-20

***** End of Report*****