



ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)

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MEASUREMENT REPORT

FCC Part 15B

Manufacturer Name and Address:

Samsung Electronics Co., Ltd.
129, Samsung-ro,
Yeongtong-gu, Suwon-si
Gyeonggi-do, 16677, Korea

Date of Testing:

1/29/2026 – 7/16/2026

Test Report Issue Date:

7/21/2026

Test Site/Location:

Element lab., Columbia, MD, USA

Test Report Serial No.:

1M2601220004-12-R1.A3L

FCC ID:

A3LSMO200J

MANUFACTURER:

Samsung Electronics Co., Ltd.

Test Report Type:

Certification

Model:

SM-O200J

Additional Models:

SM-O201J, SM-O202J, SM-O203J, SM-O204J, SM-O205J

EUT Type:

Extended Reality Glasses

FCC Classification:

Part 15 Class B Digital Device (JAB)

FCC Rule Part(s):

FCC Part 15 Subpart B

Test Procedure(s):

ANSI C63.4:2014

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and has been tested in accordance with the measurement procedures specified in ANSI C63.4-2014 (See Test Report). These measurements were performed with no deviation from the standards. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N:1M2601220004-12-R1.A3L) supersedes and replaces the previously issued test report (S/N: 1M2601220004-12.A3L) on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

RJ Ortanez
Executive Vice President



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TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	7/17/2026	WKR0000005883
1	Addressed comments made by TCB reviewer	7/22/2026	WKR0000005883

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and Innovation, Science and Economic Development Canada.

1.2 Element Test Location

These measurement tests were conducted at the Element laboratory located at 7185 Oakland Mills Road, Columbia, MD 21046. The measurement facility is compliant with the test site requirements specified in ANSI C63.4:2014.

1.3 Test Facility / Accreditations

Measurements were performed at Element lab located in Columbia, MD 21046, U.S.A.

- Element Washington DC LLC is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Washington DC LLC TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- Element Washington DC LLC facility is a registered test laboratory with the site description on file with ISED (Wireless Test Lab number 2451B) and FCC (Designation Number US1113).
- Element Washington DC LLC is a Recognized U.S. Certification Assessment Body (CAB # US0110) for ISED Canada as designated by NIST under the U.S. and Canada Mutual Recognition Agreements (MRAs).

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Extended Reality Glasses FCC ID: A3LSMO200J**. The test data contained in this report pertains only to the emissions due to the digital circuitry of the EUT. All included test cases were investigated for parent model SM-O200J. Only the worst case test conditions were investigated for variant models SM-O201J, SM-O202J, SM-O203J, and SM-O204J. The PCB is identical between all models. The models differ only in the dimensions of the glasses enclosure.

	Voltage (DC)	Current
	[Volts]	[mA]
Input Power	5	1000

Table 2-1. EUT Input/Output Power

Test Device Serial No.: 260518MD18, 260609MD01, 260609MD02, 260624MD03, 260624MD05, 260612MD02

2.2 Device Capabilities

This device contains the following capabilities:

BT (LE, BDR, EDR), 2.4GHz WLAN (802.11b/g/n/ac/ax), 5 and 6GHz UNII (a/n/ac/ax)

2.3 Test Configuration

Four test conditions were investigated: video recording, audio playback, ambient file transfer, and Charging Case. For the audio playback and file transfer test cases, the EUT was paired wireless with a companion cellular handset. For the charging case test condition, the EUT was enclosed in its charging case. For the video recording test cases the device was tested alone. All equipment is placed on the test tabletop and arranged in a typical configuration in accordance with ANSI C63.4:2014.

For AC line conducted and radiated test below 1GHz, following configuration were investigated and EUT powered by AC was the worst case.

- EUT powered by AC/DC adaptor (Model: EP-TA12JWE) via USB cable with wire charger

For more information, please see Section 7.0 for test data and the test setup photos document for the test setup photographs.

2.4 Software and Firmware

The test was conducted with software/firmware version 020XXUEU0AZE3 installed on the EUT.

2.5 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added, and no modifications were made during testing.

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedure described in the American National Standard for Methods of Measurement of Radio-Noise Emission from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz (ANSI C63.4:2014) was used in the measurement of radiated and conducted emissions from the EUT.

Deviation from measurement procedure.....None

3.2 AC Line Conducted Emissions

The line-conducted facility is located inside a 10'x16'x9' shielded enclosure. The shielded enclosure is manufactured by ETS Lindgren RF Enclosures. The shielding effectiveness of the shielded room is in accordance with MIL-Std-285 or NSA 65-5. A 1m x 1.5m wooden table 80cm high is placed 40cm away from the vertical wall and 80cm away from the sidewall of the shielded room. Two 10kHz-30MHz, 50Ω/50μH Line-Impedance Stabilization Networks (LISNs) are bonded to the shielded room floor. Power to the LISNs is filtered by external high-current high-insertion loss power line filters. The external power line filter is an ETS Lindgren Model LPRX-4X30 (100dB Attenuation, 14kHz-18GHz) and the two EMI/RFI filters are ETS Lindgren Model LRW-2030-S1 (100dB Minimum Insertion Loss, 14kHz – 10GHz). These filters attenuate ambient signal noise from entering the measurement lines. These filters are also bonded to the shielded enclosure.

The EUT is powered from one LISN and the support equipment is powered from the second LISN. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply line(s) will be connected to the second LISN. All interconnecting cables more than 1 meter were shortened to a 1 meter length by non-inductive bundling (serpentine fashion) and draped over the back edge of the test table. All cables were at least 40cm above the horizontal reference groundplane. Power cables for support equipment were routed down to the second LISN while ensuring that that cables were not draped over the second LISN.

Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The RF output of the LISN was connected to the spectrum analyzer and exploratory measurements were made to determine the frequencies producing the maximum emission from the EUT. The spectrum was scanned from 150kHz to 30MHz with a spectrum analyzer. The detector function was set to peak mode for exploratory measurements while the bandwidth of the analyzer was set to 10kHz. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Once the worst case emissions have been identified, the one EUT cable configuration/arrangement and mode of operation that produced these emissions is used for final measurements on the same test site. The analyzer is set to CISPR quasi-peak and average detectors with a 9kHz resolution bandwidth for final measurements.

Line conducted emissions test results are shown in Section 7.3. The EMI Receiver mode of the Agilent MXE was used to perform AC line conducted emissions testing.

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3.3 Radiated Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Clause 5, Figure 5.7 of ANSI C63.4:2014. A raised turntable is used for radiated measurement. It is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. An 80cm tall test table made of Styrodur is placed on top of the turn table.

For all measurements, the spectrum was scanned through all EUT azimuths and from 1 to 4 meter receive antenna height using a broadband antenna from 30MHz up to the upper frequency shown in 15.33(b)(1) depending on the highest frequency generated or used in the device or on which the device operates or tunes. For frequencies above 1GHz, linearly polarized double ridge horn antennas were used. For frequencies below 30MHz, a calibrated loop antenna was used. When exploratory measurements were necessary, they were performed at 1 meter test distance inside the semi-anechoic chamber using broadband antennas, broadband amplifiers, and spectrum analyzers to determine the frequencies and modes producing the maximum emissions. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. The test set-up was placed on top of the 1 x 1.5 meter table. The EUT, support equipment, and interconnecting cables were arranged and manipulated to maximize each emission. Appropriate precaution was taken to ensure that all emissions from the EUT were maximized and investigated. The system configuration, mode of operation, turntable azimuth, and receive antenna height was noted for each frequency found.

Final measurements were made in the semi-anechoic chamber using calibrated, linearly polarized broadband and horn antennas. The test setup was configured to the setup that produced the worst case emissions. The spectrum analyzer was set to investigate all frequencies required for testing to compare the highest radiated disturbances with respect to the specified limits. The turntable containing the EUT was rotated through 360 degrees and the height of the receive antenna was varied 1 to 4 meters and stopped at the azimuth and height producing the maximum emission. Each emission was maximized by changing the orientation of the EUT through three orthogonal planes and changing the polarity of the receive antenna, whichever produced the worst-case emissions.

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4:2014. Additionally, radiated emissions below 30MHz are also validated on an Open Area Test Site to assert correlation with the chamber measurements per the requirements of KDB 414788 D01.

3.4 Environmental Conditions

The temperature is controlled within range of 15°C to 35°C. The relative humidity is controlled within range of 10% to 75%. The atmospheric pressure is monitored within the range 86-106kPa (860-1060mbar).

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4.0 SAMPLE CALCULATIONS

4.1 Conducted Emission Measurement Sample Calculation

@ 20.3 MHz

Class B limit = 60.0 dB μ V (Quasi-peak limit)
 Reading = - 57.8 dBm (calibrated quasi-peak level)
 Convert to dB μ V = - 57.8 + 107 = 49.2 dB μ V

 Margin = 49.2 - 60.0 = - 10.8 dB
 = **10.8 dB below limit**

4.2 Radiated Emission Measurement Sample Calculation

@ 66.7 MHz

Class B limit = 100 μ V/m = 40.0 dB μ V/m
 Reading = - 76.0 dBm (calibrated level)
 Convert to dB μ V = - 76.0 + 107 = 31.0 dB μ V
 Antenna Factor + Cable Loss = 5.8 dB/m
 Total = 36.8 dB μ V/m

 Margin = 36.8 - 40.0 = - 3.2 dB
 = **3.2 dB below limit**

Note:

$$\text{Level [dB}\mu\text{V]} = 20 \log_{10} (\text{Level } [\mu\text{V/m}])$$

$$\text{Level [dB}\mu\text{V]} = \text{Level [dBm]} + 107$$

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5.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4:2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Disturbance	3.09
Radiated Disturbance (<1GHz)	4.98
Radiated Disturbance (>1GHz)	5.07

Table 5-1. Measurement Uncertainty Budget

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6.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurement antennas used during testing were calibrated in accordance with the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	ETS-001	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-001
-	ETS-002	EMC Cable and Switch System	1/29/2026	Annual	1/29/2027	ETS-002
EMCO	3115	Horn Antenna (1-18GHz)	9/6/2024	Biennial	9/6/2026	9704-5182
Keysight Technologies	N9038A	MXE EMI Receiver	11/10/2025	Annual	11/10/2026	MY51210133
Pasternack	NMLC-2	Line Conducted Emissions Cable (NM)	1/30/2026	Annual	1/30/2027	NMLC-2
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	12/19/2025	Annual	12/19/2026	100342
Rohde & Schwarz	ENV216	Two-Line V-Network	2/4/2026	Biennial	2/4/2028	101379
Sunol	JB5	Bi-Log Antenna (30M - 5GHz)	9/11/2024	Biennial	9/11/2026	A051107

Table 6-1. Annual Test Equipment Calibration Schedule

Note:

For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.

Component	Serial Number
Pasternack Cable RG214/U	111815
MegaPhase (CAGE 1GVT4) Cable GR18-N5N5-24	14042714 001

Table 6-2. ETS-001 EMC Cable and Switch System Components

Component	Serial Number
MegaPhase (CAGE 1GVT4) Cable GR18-N5N5-24	14042714 001
MegaPhase (CAGE 1GVT4) Cable NC29-N1N1-324	20502201 001
Rohde & Schwarz SF Unit	102134
Minicircuits Cable CBL=0.5M-NMNM+	15440

Table 6-3. ETS-002 EMC Cable and Switch System Components

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7.0 TEST DATA

7.1 Summary

Test Date(s): 1/29/2026 - 7/10/2026

Test Engineer: Chris Benner, Kevin Le

FCC Part 15 Section	Description	Result
15.107	Conducted Emissions	PASS
15.109	Radiated Emissions	PASS

Table 7-1. Summary of Test Results

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7.2 Radiated Measurement Data

§15.109; ICES-003 (3.2.2)

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at maximum power and at the appropriate frequencies. Only the radiated emissions of the configuration that produced the worst-case emissions are reported in this section.

All emissions must not exceed the limits shown in FCC Part Section 15.109 and ICES-003 (3.2.2).

Frequency [MHz]	Field Strength Limit [μV/m]
30 – 88	100
88 – 216	150
216 – 960	200
> 960	500

Table 7-2. 3-Meter Radiated Limits (Section 15.109)

Test Procedures Used

ANSI C63.4:2014

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer frequency set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown test setup photos provided.

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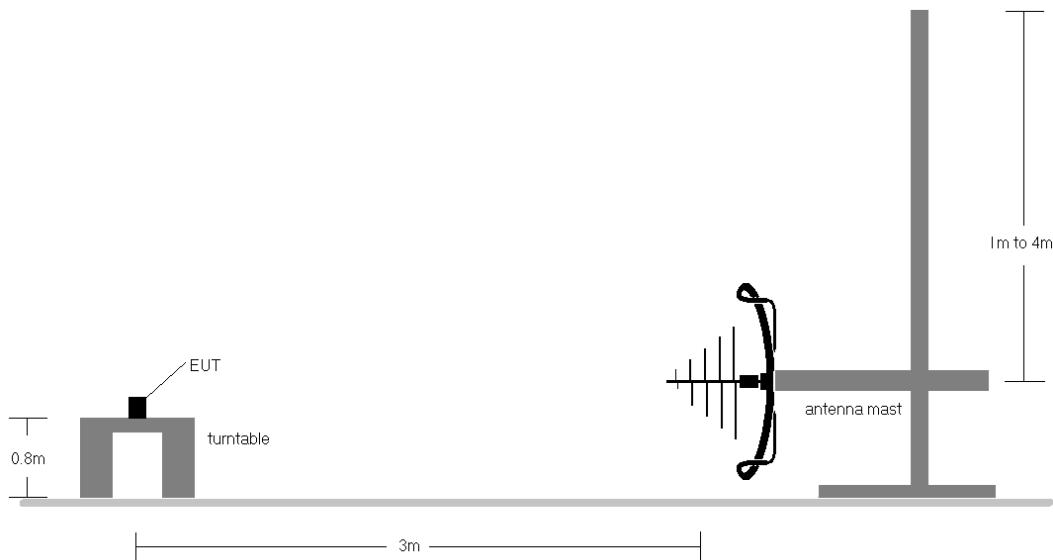


Figure 7-1. Radiated Test Setup < 1GHz

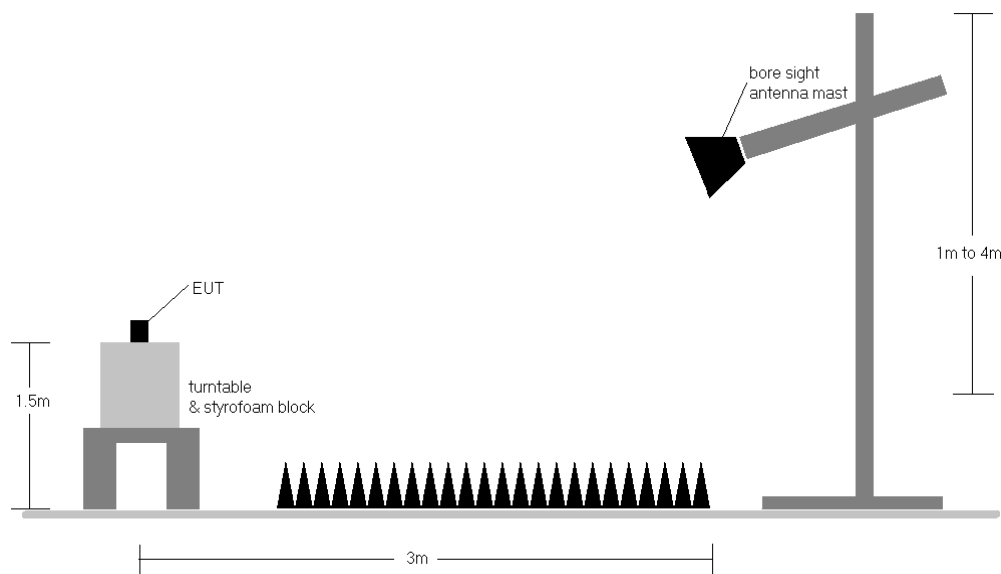


Figure 7-2. Radiated Test Setup > 1GHz

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Test Notes

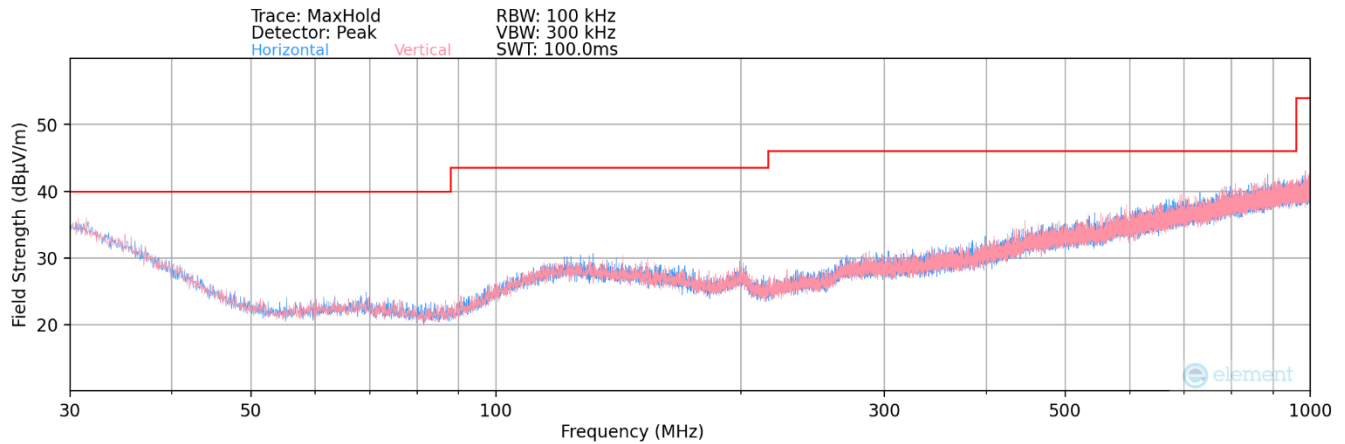
1. All modes of operation were investigated, and the worst-case emissions are reported.
2. Radiated emissions were measured from 30MHz – 30 to ensure that the provisions of 15.33(b)(1) are satisfied with respect to the upper frequency scanning range.
3. The radiated limits for unintentional radiators at a distance of 3 meters are used in the table above, as specified in 15.109(a).
4. All readings are calibrated by a signal generator with accuracy traceable to the National Institute of Standards and Technology (NIST).
5. $AFCL\ (dB/m) = \text{Antenna Factor}\ (dB/m) + \text{Cable Loss}\ (dB)$
6. $\text{Level}\ (dB\mu V/m) = \text{Analyzer Reading}\ (dBm) + AFCL\ (dB/m) + 107$
7. $\text{Margin}\ (dB) = \text{Field strength}\ (dB\mu V/m) - \text{Limit}\ (dB\mu V/m)$
8. Measurements are made using a CISPR quasi-peak detector with a 120kHz resolution bandwidth. Above 1GHz, peak measurements are made using a peak detector with a resolution bandwidth of 1MHz and a video bandwidth of 3MHz and average measurements are made with a RMS detector using a resolution bandwidth of 1MHz and a video bandwidth of 3MHz.
9. Calibrated linearly polarized broadband and horn antennas were used for measurements below and above 1GHz, respectively. For measurements made below 1GHz, the results recorded using the broadband antenna are known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antennas was found to be less than 2:1.
10. Calibrated low-loss microwaves cables and broadband amplifiers are used.

Calculations

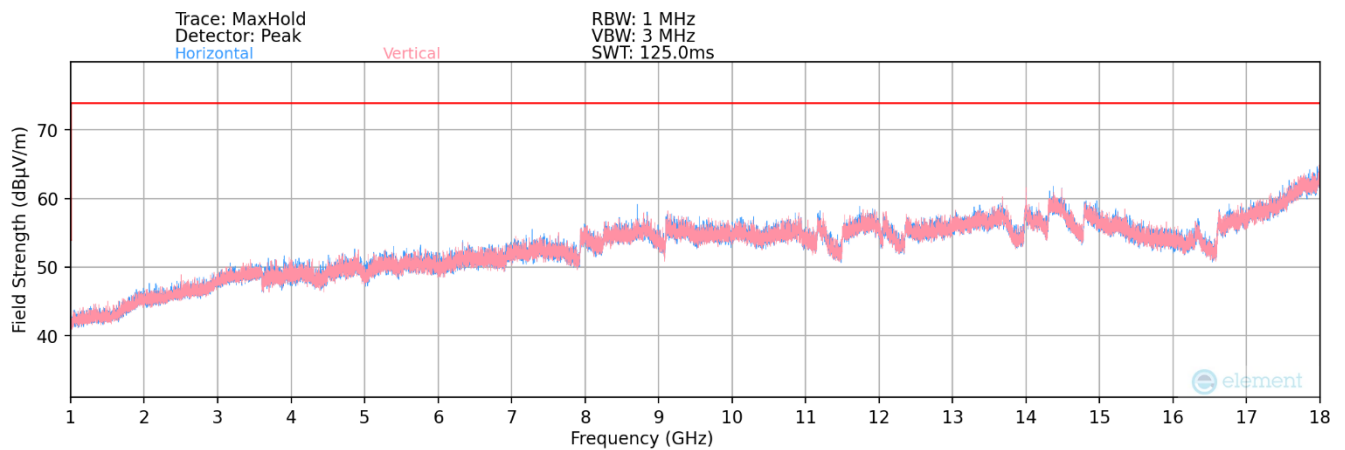
- $\text{Field Strength Level}\ [dB\mu V/m] = \text{Analyzer Level}\ [dBm] + 107 + AFCL\ [dB/m]$
- $AFCL = \text{Antenna Factor}\ [dB/m] + \text{Cable Loss}\ [dB]$

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Video Recording – SM-O200J



Plot 7-1. Radiated Emissions 30MHz – 1GHz



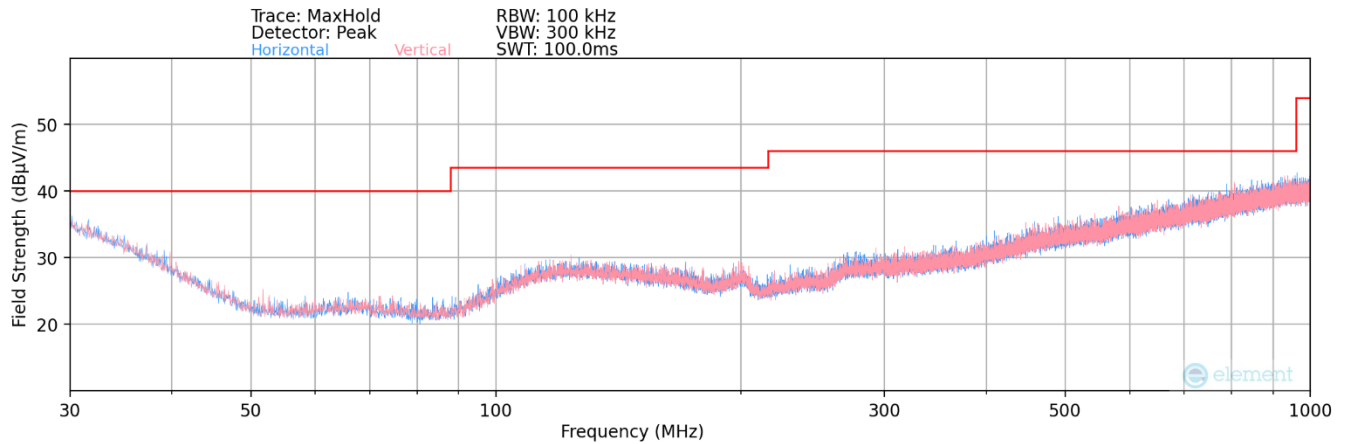
Plot 7-2. Radiated Emissions 1GHz – 18GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
310.00	Quasi-Peak	V	-	-	-103.76	21.38	24.62	46.02	-21.40

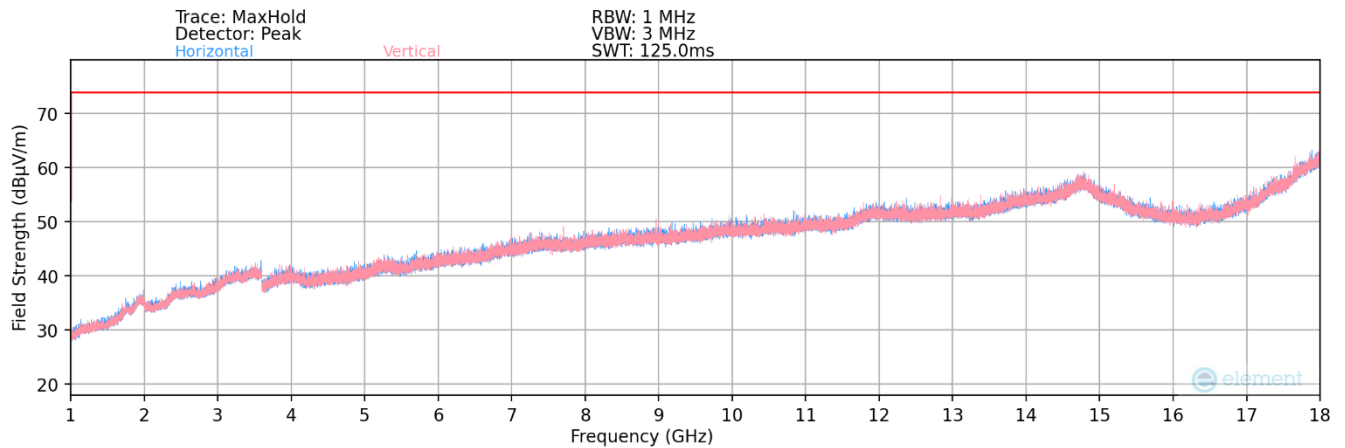
Table 7-3. Radiated Measurements at 3-meters

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Audio Playback – SM-O200J



Plot 7-3. Radiated Emissions 30MHz – 1GHz



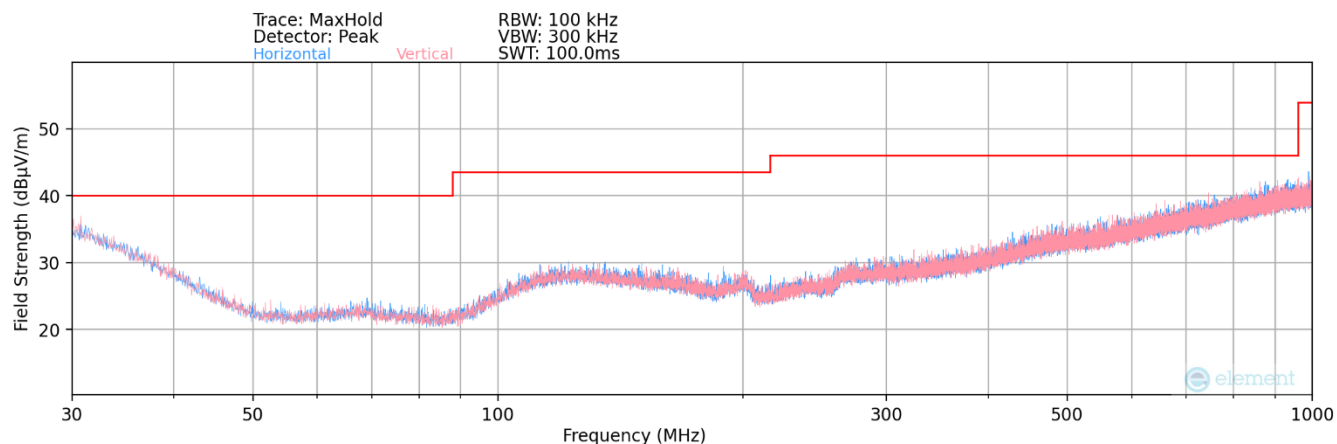
Plot 7-4. Radiated Emissions 1GHz – 18GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
54.75	Quasi-Peak	V	115	209	-90.97	14.00	30.03	40.00	-9.97
81.46	Quasi-Peak	V	153	204	-102.10	14.03	18.93	40.00	-21.07
201.08	Quasi-Peak	V	395	188	-103.92	19.80	22.88	43.52	-20.64

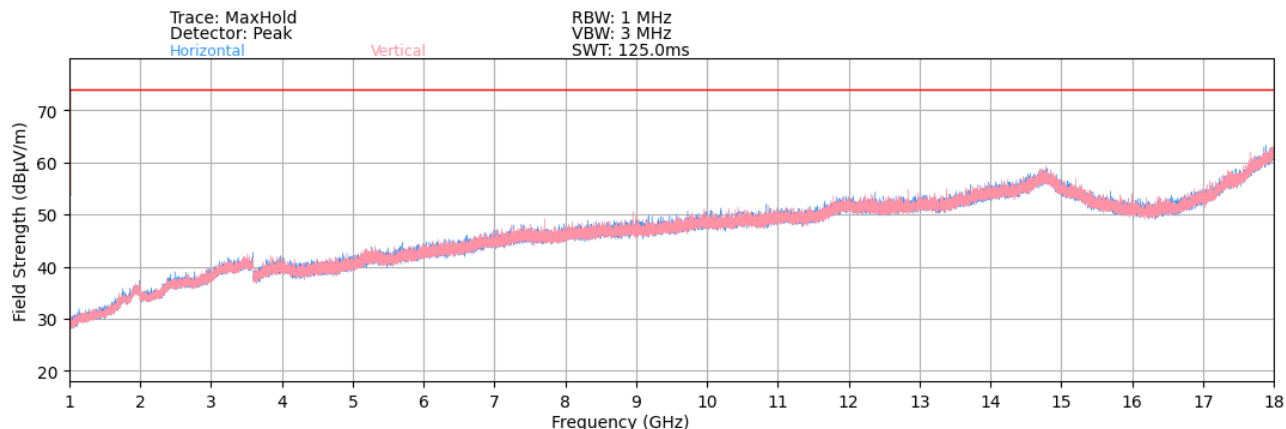
Table 7-4. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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File Transfer – SM-O200J



Plot 7-5. Radiated Emissions 30MHz – 1GHz



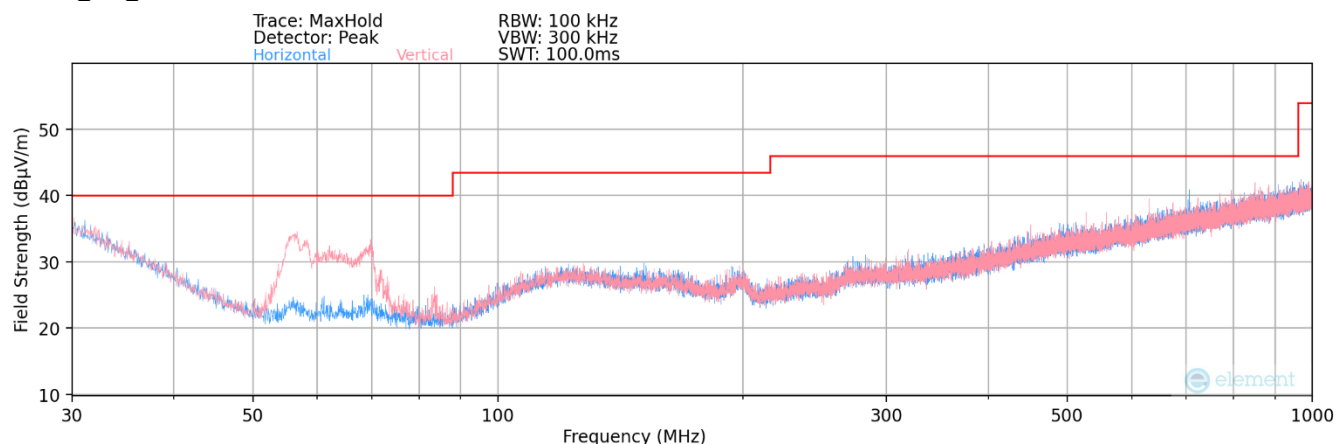
Plot 7-6. Radiated Emissions 1GHz – 18GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
200.00	Quasi-Peak	H	-	-	-103.77	19.48	22.71	43.52	-20.82

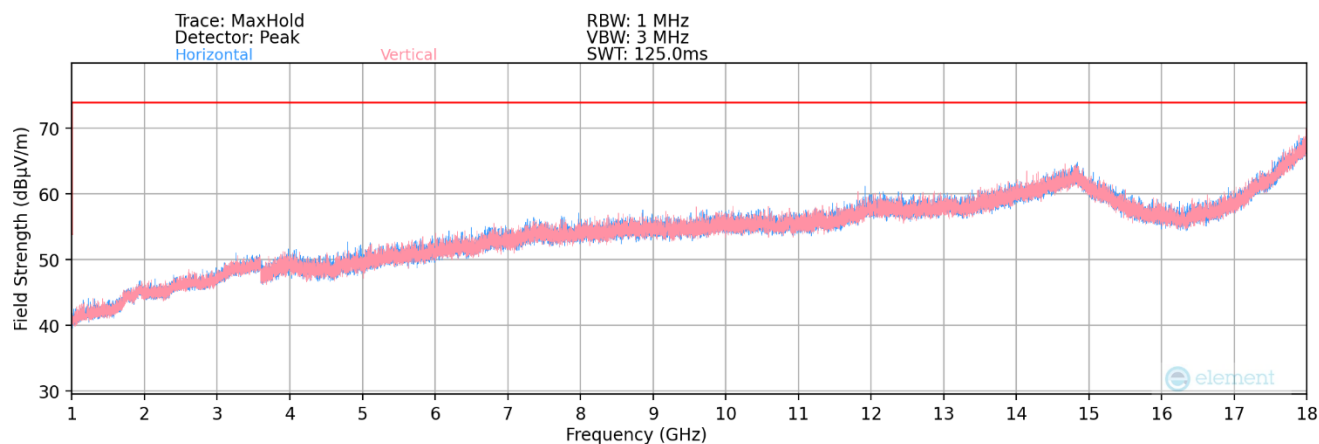
Table 7-5. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Charging Case – SM-O200J



Plot 7-7. Radiated Emissions 30MHz – 1GHz



Plot 7-8. Radiated Emissions 1GHz – 18GHz

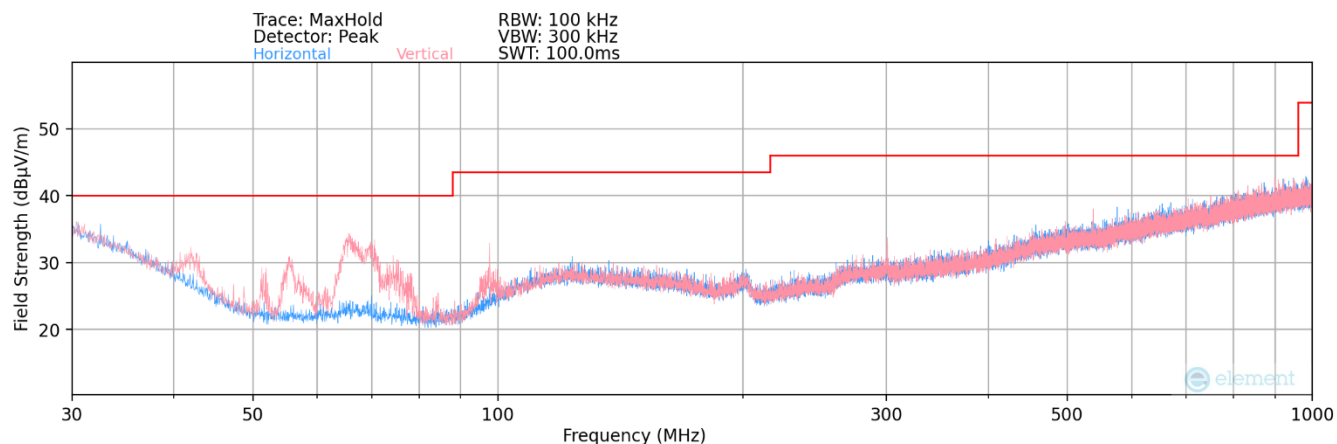
FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
Test Report S/N: 1M2601220004-12-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 18 of 31

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
42.33	Quasi-Peak	V	258	297	-103.22	18.61	22.39	40.00	-17.61
55.00	Quasi-Peak	V	132	108	-101.35	13.90	19.55	40.00	-20.45
64.90	Quasi-Peak	V	142	113	-102.51	14.45	18.94	40.00	-21.06
73.24	Quasi-Peak	V	116	77	-97.35	14.49	24.14	40.00	-15.86
78.11	Quasi-Peak	V	127	61	-100.37	14.21	20.84	40.00	-19.16
84.16	Quasi-Peak	V	130	125	-100.83	14.04	20.21	40.00	-19.79
97.60	Quasi-Peak	V	111	215	-96.62	16.48	26.86	43.52	-16.67

Table 7-6. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Charging Case – SM-O201J



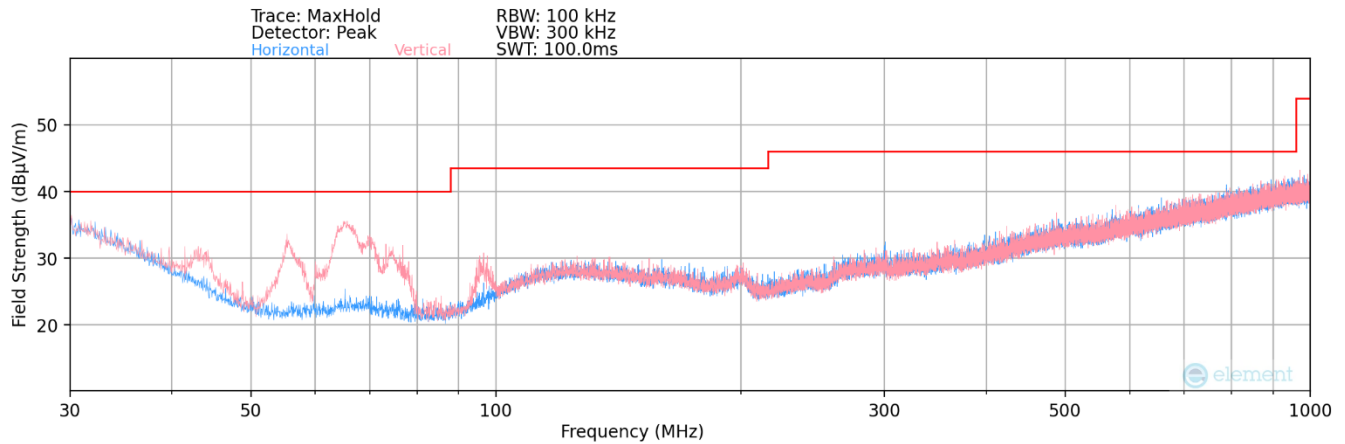
Plot 7-9. Radiated Emissions 30MHz – 1GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
57.68	Quasi-Peak	V	202	226	-88.38	14.02	32.64	40.00	-7.36
91.15	Quasi-Peak	V	-	-	-90.41	14.79	31.38	43.52	-12.14
134.92	Quasi-Peak	H	258	324	-91.43	20.06	35.63	43.52	-7.90
186.97	Quasi-Peak	V	320	283	-90.88	18.12	34.24	43.52	-9.28

Table 7-7. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Charging Case – SM-O202J



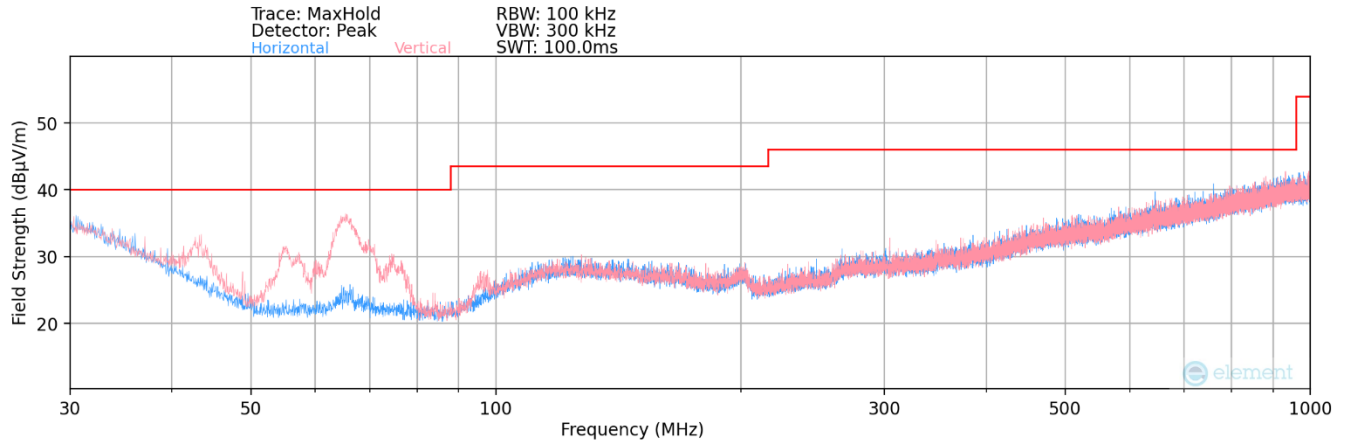
Plot 7-10. Radiated Emissions 30MHz – 1GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
65.88	Quasi-Peak	V	186	126	-88.22	14.45	33.23	40.00	-6.77
73.60	Quasi-Peak	V	124	293	-89.75	14.49	31.74	40.00	-8.26
191.74	Quasi-Peak	V	387	286	-90.82	18.40	34.58	43.52	-8.94

Table 7-8. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Charging Case – SM-O203J



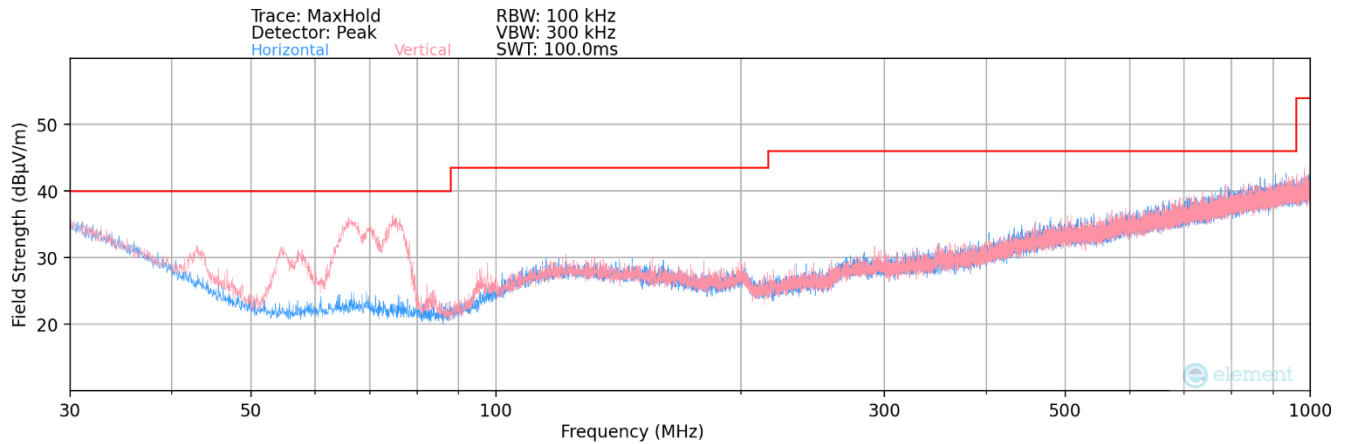
Plot 7-11. Radiated Emissions 30MHz – 1GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
40.01	Quasi-Peak	V	119	92	-90.83	20.20	36.36	40.00	-3.64
52.36	Quasi-Peak	V	224	242	-90.77	14.11	30.34	40.00	-9.66
65.98	Quasi-Peak	V	171	187	-87.09	14.46	34.37	40.00	-5.63
94.49	Quasi-Peak	V	105	20	-91.53	15.62	31.09	43.52	-12.43
141.79	Quasi-Peak	V	127	205	-91.31	19.80	35.48	43.52	-8.04
356.88	Quasi-Peak	V	129	238	-90.13	22.31	39.17	46.02	-6.85

Table 7-9. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
Test Report S/N: 1M2601220004-12-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 22 of 31

Charging Case – SM-O204J



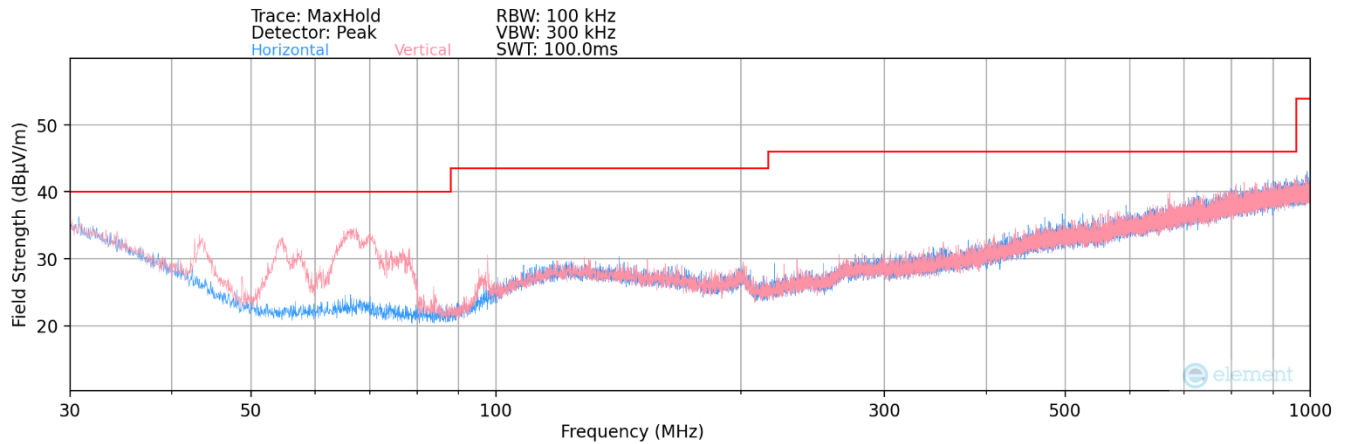
Plot 7-12. Radiated Emissions 30MHz – 1GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
42.67	Quasi-Peak	V	119	92	-96.12	18.13	29.01	40.00	-10.99
54.98	Quasi-Peak	V	224	242	-92.14	13.99	28.85	40.00	-11.15
66.12	Quasi-Peak	V	171	187	-88.02	14.45	33.43	40.00	-6.57
76.02	Quasi-Peak	V	105	20	-89.01	14.45	32.44	40.00	-7.56
97.50	Quasi-Peak	V	127	205	-97.22	16.58	26.36	43.52	-17.16

Table 7-10. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Charging Case – SM-O205J



Plot 7-13. Radiated Emissions 30MHz – 1GHz

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
43.25	Quasi-Peak	V	119	92	-94.22	17.75	30.53	40.00	-9.47
54.72	Quasi-Peak	V	224	242	-90.25	14.00	30.75	40.00	-9.25
67.03	Quasi-Peak	V	171	187	-89.22	14.58	32.36	40.00	-7.64
70.02	Quasi-Peak	V	105	20	-90.89	14.63	30.74	40.00	-9.26
96.58	Quasi-Peak	V	127	205	-96.02	16.29	27.27	43.52	-16.25

Table 7-11. Radiated Measurements at 3-meters

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
Test Report S/N: 1M2601220004-12-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 24 of 31

7.3 Line Conducted Measurement Data

§15.107; ICES-003 (3.2.1)

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst-case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in FCC Part 15.107 and ICES-003 (3.2.1).

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-12. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.4:2014

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Test Setup

The EUT and measurement equipment were set up as shown in the test setup photos provided.

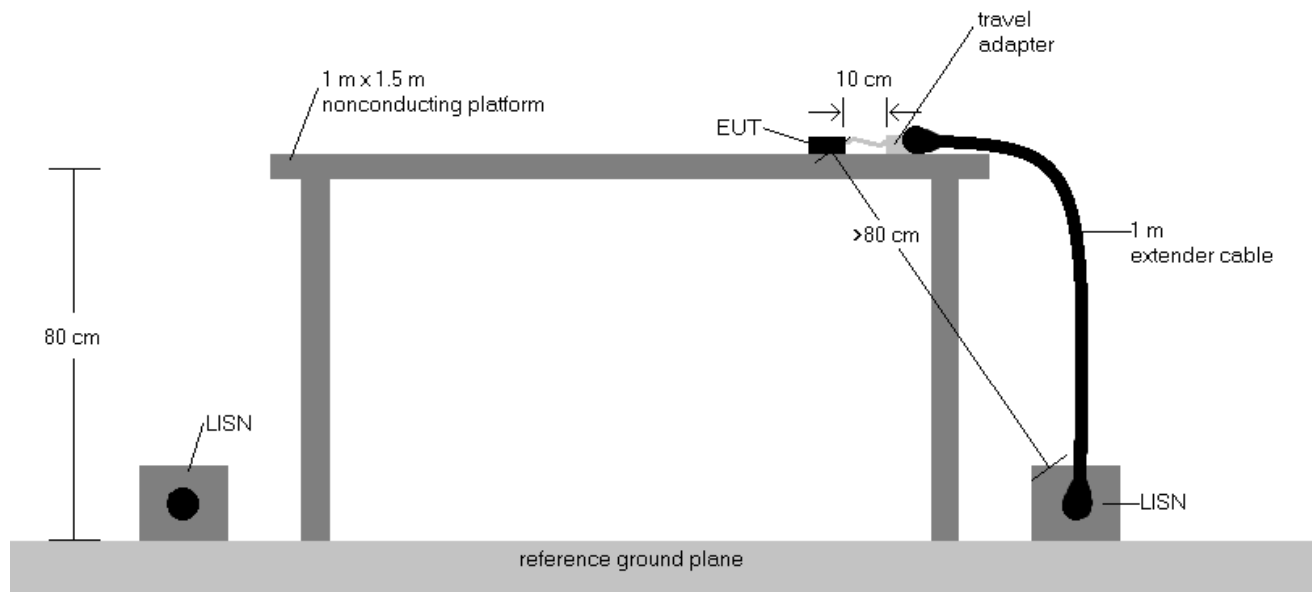
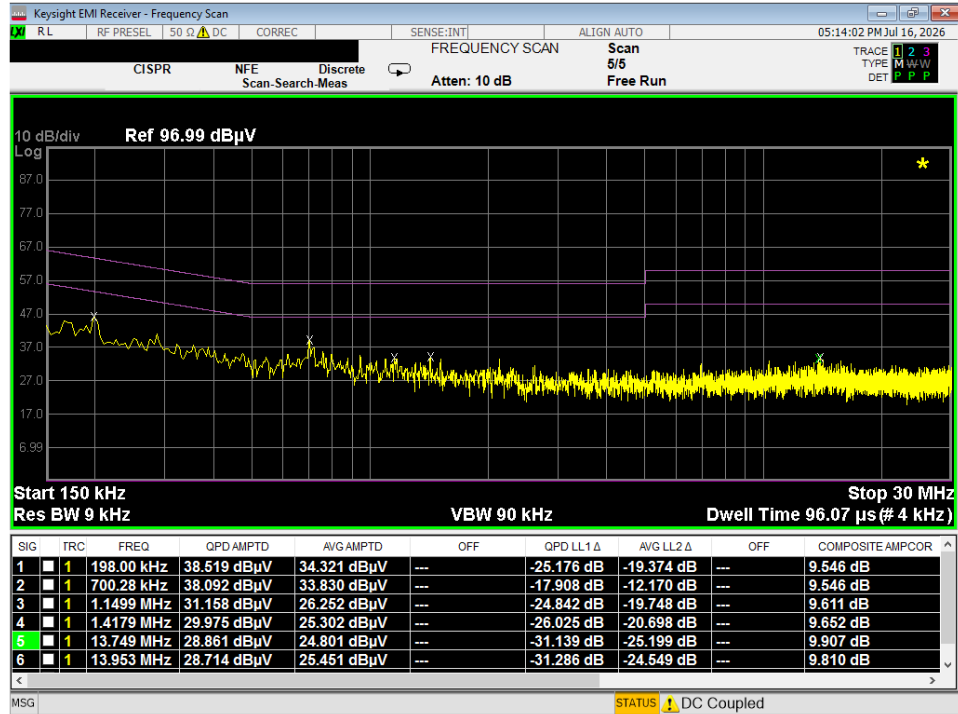


Figure 7-3. Test Instrument & Measurement Setup

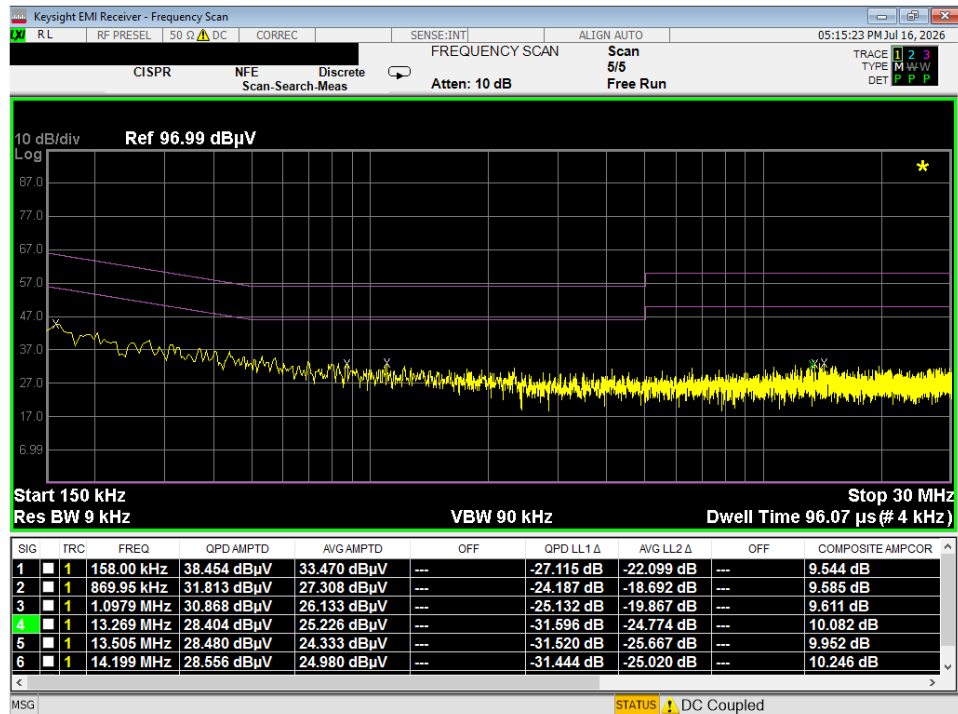
Test Notes

1. All Modes of operation were investigated, and the worst-case emissions are reported.
2. The limit for Class B device(s) from 150kHz to 30MHz are specified in Section 15.107 and ICES-003.
3. L1 = Phase; N = Neutral
4. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
5. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Reading (dB}\mu\text{V)} + \text{Factor (dB)}$
6. $\text{Margin (dB)} = \text{QP/AV Limit (dB}\mu\text{V)} - \text{QP/AV Level (dB}\mu\text{V)}$
7. Traces shown in plot are made using a peak detector.
8. Deviations to the Specifications: None.

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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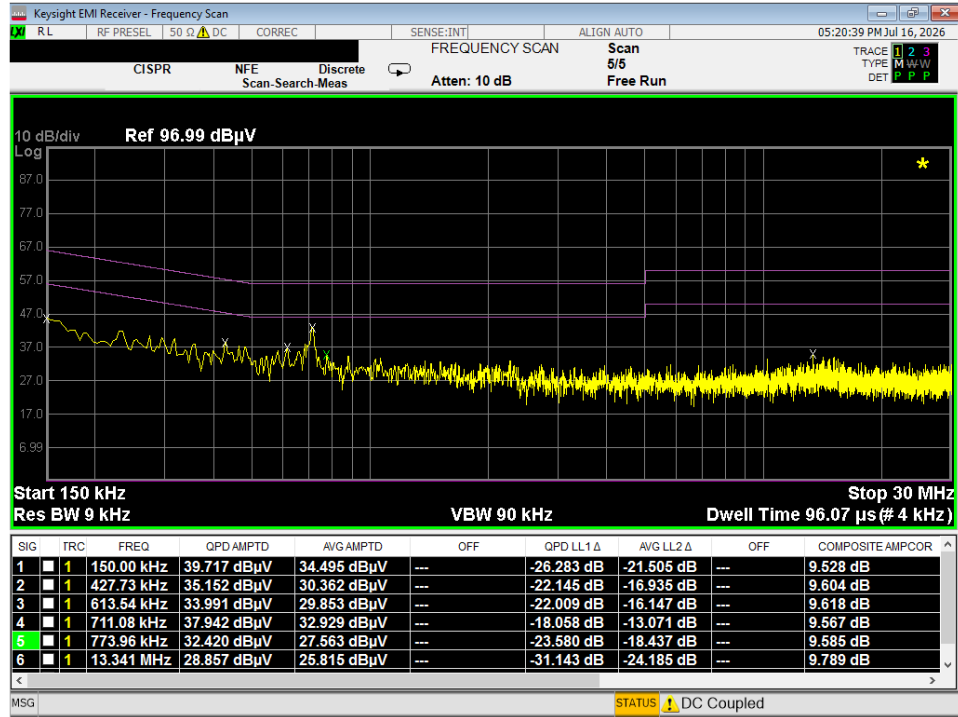


Plot 7-14. Line Conducted Plot (L1) – Video Recording – SM-O200J

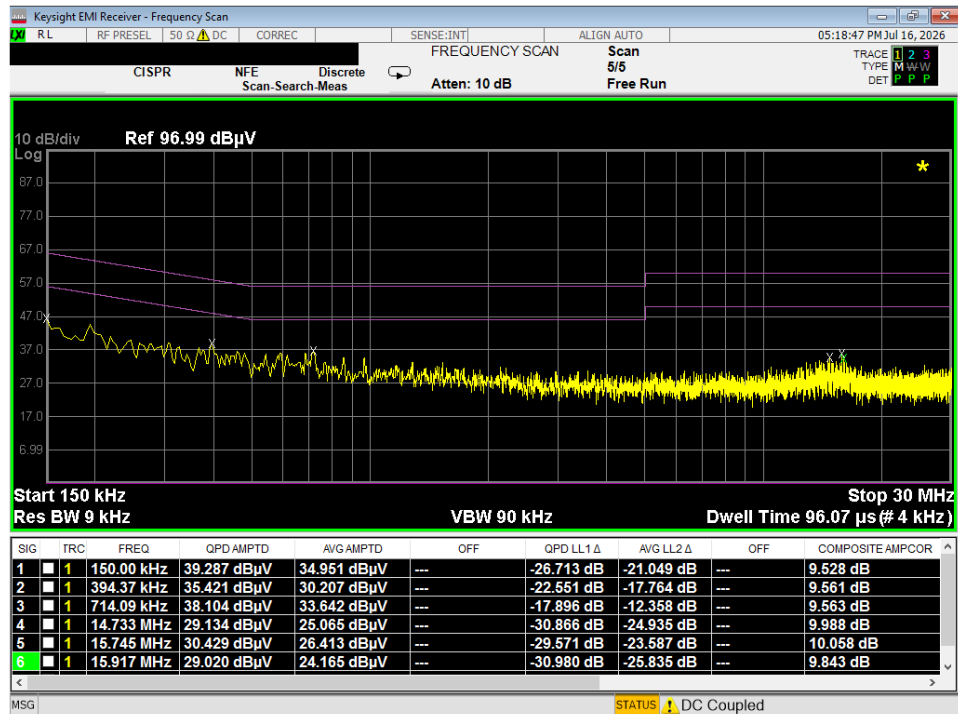


Plot 7-15. Line Conducted Plot (N) – Video Recording – SM-O200J

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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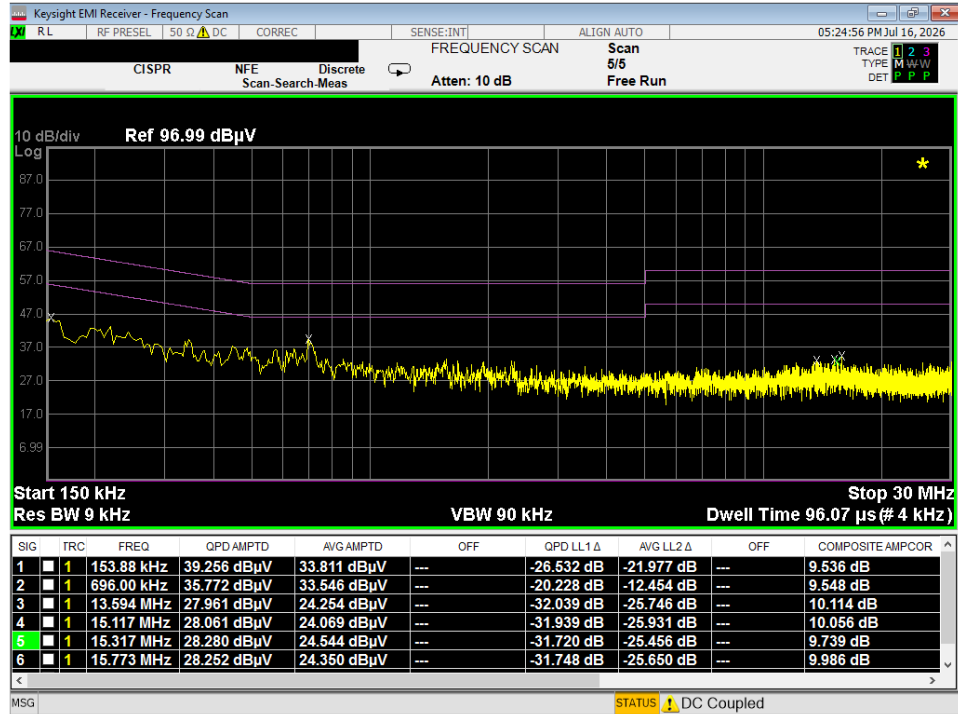


Plot 7-16. Line Conducted Plot (L1) – Audio Playback – SM-O200J

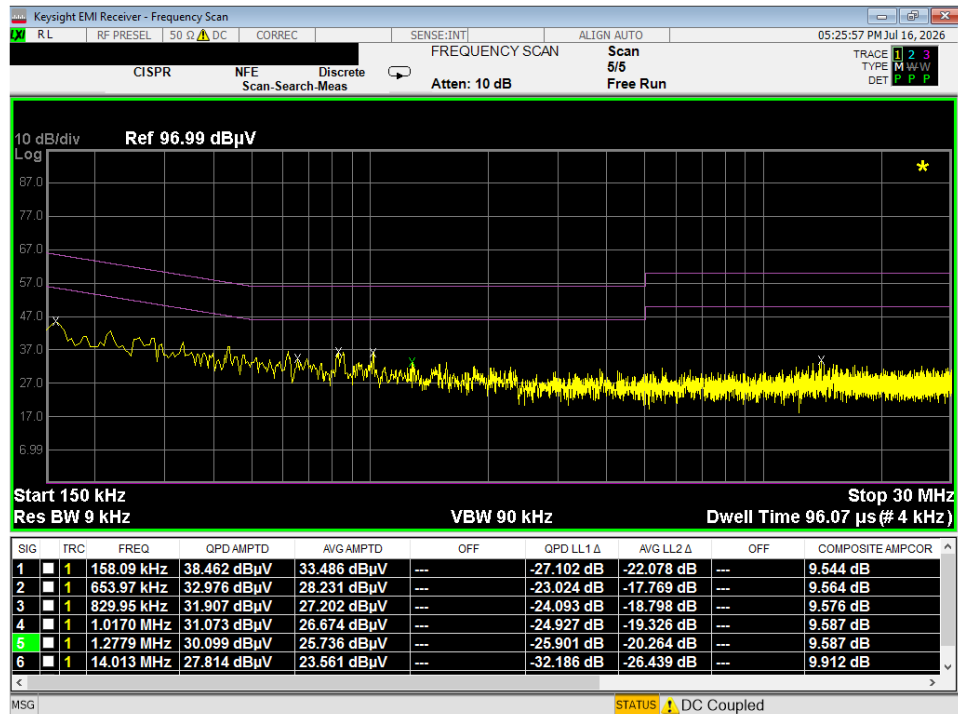


Plot 7-17. Line Conducted Plot (N) – Audio Playback – SM-O200J

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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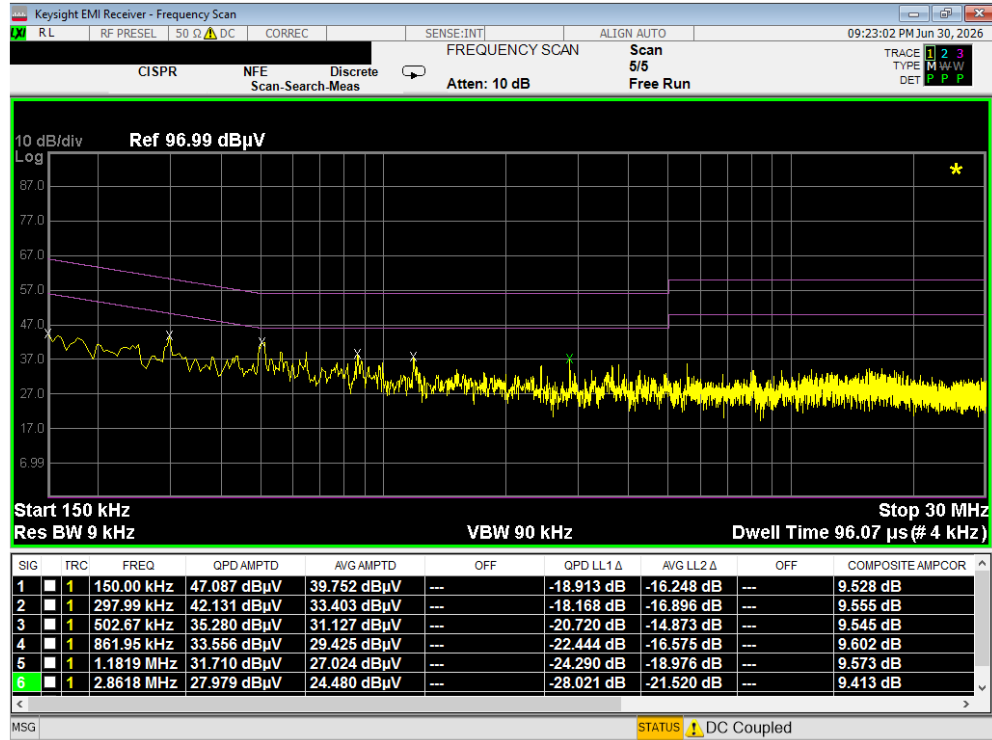


Plot 7-18. Line Conducted Plot (L1) – File Transfer – SM-O200J

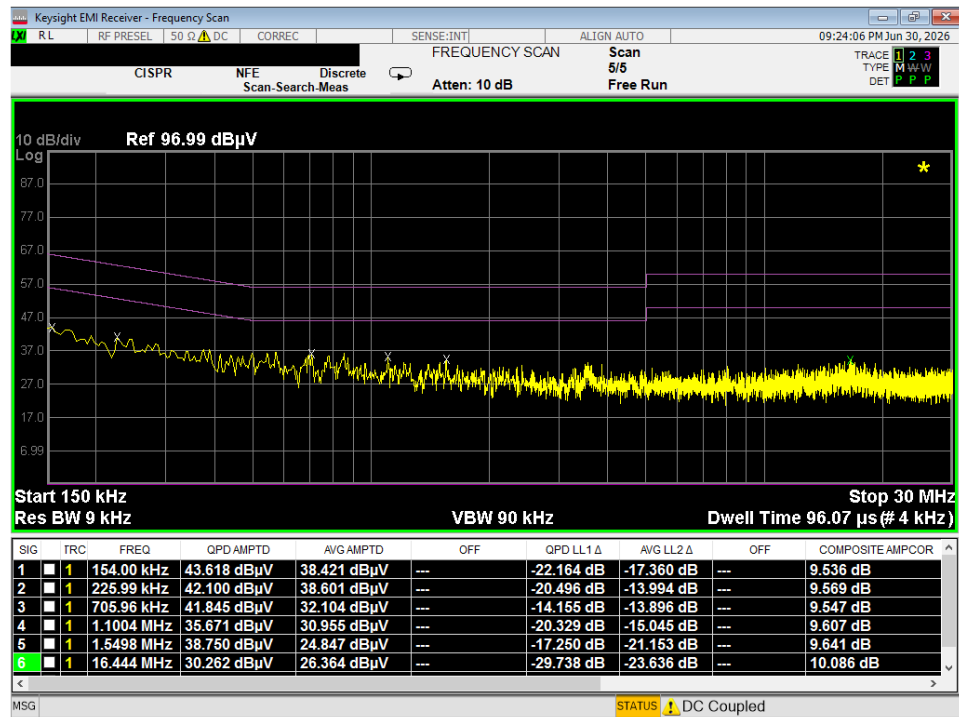


Plot 7-19. Line Conducted Plot (N) – File Transfer – SM-O200J

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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Plot 7-20. Line Conducted Plot (L1) – Charging Case – SM-O200J



Plot 7-21. Line Conducted Plot (N) – Charging Case – SM-O200J

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Extended Reality Glasses FCC ID: A3LSMO200J** has been verified to comply with the requirements specified in §15.107 and §15.109 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMO200J	MEASUREMENT REPORT (CERTIFICATION)	Test Dates: 1/29/2026 – 7/16/2026	EUT Type: Extended Reality Glasses	Approved by: Technical Manager
Test Report S/N: 1M2601220004-12-R1.A3L		This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo.		Page 31 of 31