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PART 27 MEASUREMENT REPORT

Applicant Name:

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

Date of Testing:

5/19/2026 - 5/21/2026

Test Report Issue Date:

5/26/2026

Test Site/Location:

Element Suwon, TLD., Yongin-Si,
Gyeonggi-do, South Korea

Test Report Serial No.:

1M2605130037-05-R1.A3L

FCC ID:

A3LSMA576U

APPLICANT:

Samsung Electronics Co., Ltd.

Application Type:

Class II Permissive Change

Model:

SM-A576U1

Additional Model(s):

SM-A576U

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part:

27

Test Procedure(s):

ANSI C63.26-2015

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

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.

Prepared by

Reviewed by

FCC ID: A3LSMA576U	C2PC REPORT	Test Dates: 5/19/2026 - 5/21/2026	EUT Type: Portable Handset	Approved by: Technical Manager
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TEST REPORT REVISION HISTORY

Rev. No.	Description	Issue Date	Revised By
-	Initial Release	5/26/2026	WKR0000025499
1	Addressed comments made by TCB reviewer	5/27/2026	WKR0000025499

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Antenna-2						
Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	ERP		Emission Designator
				Max. Power [W]	Max. Power [dBm]	
LTE Band 71	20 MHz	QPSK	673.0 - 688.0	0.050	16.98	18M0G7D
		16QAM	673.0 - 688.0	0.042	16.27	18M0W7D
	15 MHz	QPSK	670.5 - 690.5	0.050	17.03	13M6G7D
		16QAM	670.5 - 690.5	0.043	16.38	13M5W7D
	10 MHz	QPSK	668.0 - 693.0	0.051	17.08	9M09G7D
		16QAM	668.0 - 693.0	0.041	16.15	9M04W7D
	5 MHz	QPSK	665.5 - 695.5	0.051	17.05	4M54G7D
		16QAM	665.5 - 695.5	0.042	16.23	4M54W7D
NR Band n71	20 MHz	$\pi/2$ BPSK	673.0 - 688.0	0.051	17.08	18M0G7D
		QPSK	673.0 - 688.0	0.050	17.02	19M1G7D
		16QAM	673.0 - 688.0	0.034	15.34	19M1W7D
	15 MHz	$\pi/2$ BPSK	670.5 - 690.5	0.054	17.31	13M5G7D
		QPSK	670.5 - 690.5	0.055	17.37	14M2G7D
		16QAM	670.5 - 690.5	0.035	15.42	14M3W7D
	10 MHz	$\pi/2$ BPSK	668.0 - 693.0	0.053	17.23	9M06G7D
		QPSK	668.0 - 693.0	0.053	17.22	9M42G7D
		16QAM	668.0 - 693.0	0.036	15.52	9M43W7D
	5 MHz	$\pi/2$ BPSK	665.5 - 695.5	0.053	17.28	4M54G7D
		QPSK	665.5 - 695.5	0.053	17.25	4M62G7D
		16QAM	665.5 - 695.5	0.035	15.48	4M60W7D

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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 the Innovation, Science and Economic Development Canada.

1.2 Element Test Location

Measurements were conducted at the Element laboratory(ies) indicated in Section 1.3 below. All measurement facilities are compliant with the test site requirements specified in ANSI C63.4:2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at Element Materials Technology Suwon, Ltd. located in Yongin-si, Gyeonggi-do, 16954, South Korea. ("KR")

- Element Materials Technology Suwon, Ltd. is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation(A2LA) with Certificate number 2041.04 for Specific Absorption Rate (SAR), and Electromagnetic Compatibility (EMC) & Telecommunications testing for FCC and Innovation, Science, and Economic Development Canada rules.
- Element Materials Technology Suwon, Ltd. facility is accredited, designated, and recognized in accordance with the provision of Radio Wave Act and International Standard ISO/IEC 17025:2017 under the National Radio Research Agency.
 - Designation Number / CABID: KR0169
 - Test Firm Registration Number of FCC: 417945
 - Test Firm Registration Number of ISED: 26168

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Samsung Portable Handset FCC ID: A3LSMA576U**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 27.

Notes:

Test scope of testing provided in this test report is limited to testing the specific band(s) that are impacted by the C2PC change. In this case, only B71/n71 for Antenna 2 test data is provided.

Test Device Serial No.: 3678M

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 GSM/GPRS/EDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, Multi-band 5G NR (FR1), 802.11b/g/n/ac/ax WLAN, 802.11a/n/ac/ax UNII (5GHz and 6GHz), Bluetooth (1x, EDR, LE), NFC, SCS

2.3 Test Configuration

The EUT was tested per the guidance of ANSI C63.26:2015. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

Band	Ant2
LTE 71	Ant E
NR 71	Ant E

Table 2-1. Antenna Naming Convention

2.4 Software and Firmware

Testing was performed on device(s) using software/firmware version A576USQU0AZE1 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 procedures described in the “American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services” (ANSI C63.26:2015) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 Radiated Power and Radiated Spurious 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 Figure 5.7 of Clause 5 in ANSI C63.4:2014. 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. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table 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. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For radiated power measurements, substitution method is used per the guidance of ANSI C63.26:2015. For emissions below 1GHz, a half-wave dipole is substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d \text{ [dBm]} = P_g \text{ [dBm]} - \text{cable loss [dB]} + \text{antenna gain [dBd/dBi]};$$

where P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g \text{ [dBm]} - \text{cable loss [dB]}$.

For radiated spurious emissions measurements, the field strength conversion method is used per the formulas in Section 5.2.7 of ANSI C63.26:2015. Field Strength (EIRP) is calculated using the following formulas:

$$E_{\text{[dB}\mu\text{V/m]}} = \text{Measured amplitude level}_{\text{[dBm]}} + 107 + \text{Cable Loss}_{\text{[dB]}} + \text{Antenna Factor}_{\text{[dB/m]}}$$

And

$$\text{EIRP}_{\text{[dBm]}} = E_{\text{[dB}\mu\text{V/m]}} + 20\log D - 104.8; \text{ where } D \text{ is the measurement distance in meters.}$$

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 v01r01.

Radiated power and radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26:2015.

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4.0 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)
Radiated Disturbance (<1GHz)	4.10
Radiated Disturbance (>1GHz)	4.82

Table 4-1. Measurement Uncertainty Budget

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5.0 TEST EQUIPMENT CALIBRATION DATA

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

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Anritsu	MT8000A	Radio Communication Test Station	11/10/2025	Annual	11/09/2026	6272337405
Espec	SH-242	Environmental Chamber	09/17/2025	Annual	09/16/2026	93011064
NARDA	180-442A-KF	Horn Antenna(Small)	01/14/2026	Annual	01/13/2027	T058701-03
Rohde & Schwarz	CMW500	Radio Communication Tester	10/24/2025	Annual	10/23/2026	171075
Rohde & Schwarz	SMF100A	Signal Generator	07/03/2025	Annual	07/02/2026	104154
Rohde & Schwarz	FSW	Signal / Spectrum Analyzer	09/15/2025	Annual	09/14/2026	101955
Schwarzbeck	VULB9162	Broadband TRILOG Antenna	06/05/2025	Biennial	06/04/2027	9162-217
Sunol Sciences	DRH-118	Horn Antenna	06/04/2025	Annual	06/03/2026	A102416-1
-	UEK1	EMC Cable and Switch System	01/28/2026	Annual	01/27/2027	UEK1

Table 5-1. Test Equipment Calibration Table

Component	Serial Number
Rohde & Schwarz SF Unit	102151
ALPHA WIRE H1	6340
HUBER+SUHNER, Inc. SUCOFLEX_104_PE Cable	305916
HUBER+SUHNER, Inc. SUCOFLEX_100	803242-6

Table 5-2. UEK1 EMC Cable and Switch System Components

Notes:

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.

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6.0 SAMPLE EMISSION DESIGNATORS

Emission Designator

QPSK Modulation

Emission Designator = 8M62G7D

LTE BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

QAM Modulation

Emission Designator = 8M45W7D

LTE BW = 8.45 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

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7.0 TEST RESULTS

7.1 Summary

Company Name: Samsung Electronics Co., Ltd.
 FCC ID: A3LSMA576U
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): LTE/NR

RADIATED	Effective Radiated Power (LTE Band 71; NR Band n71)	27.50(c)(10)	≤ 3 Watts max. ERP	PASS	Section 7.2
	Radiated Spurious Emissions (LTE Band 71; NR Band n71)	2.1053, 27.53(g)	≥ 43 + 10 log (P[Watts]) dB of attenuation below transmitter power	PASS	Section 7.3

Table 7-1. Summary of Test Results

Notes:

All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.

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7.2 Radiated Power (ERP/EIRP)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

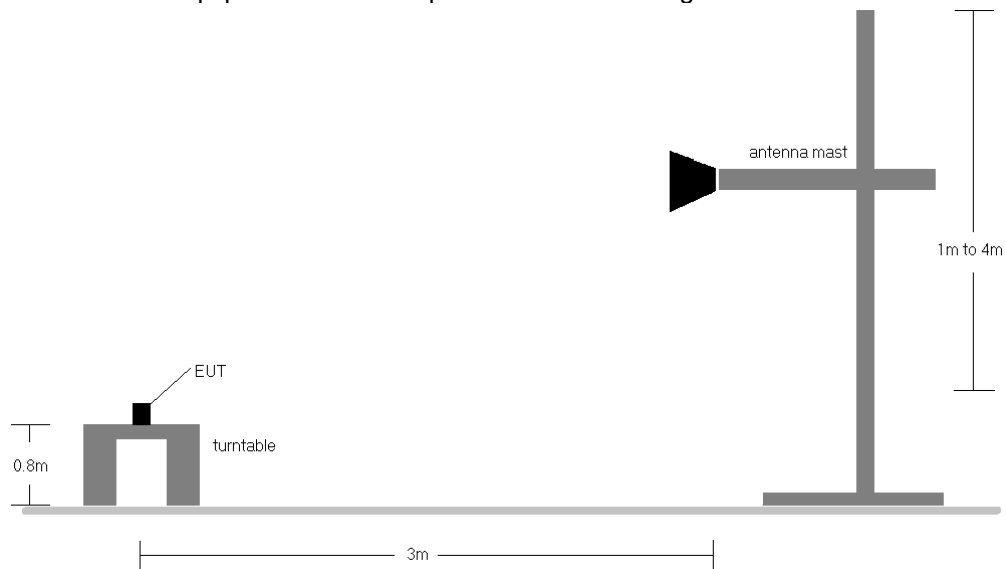


Figure 7-1. Radiated Test Setup <1GHz

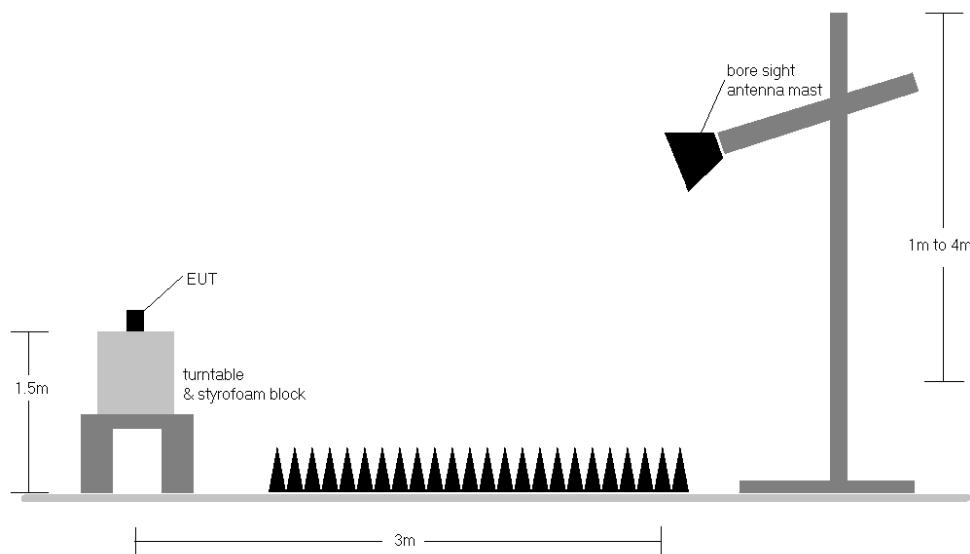


Figure 7-2. Radiated Test Setup >1GHz

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Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	QPSK	673.00	H	136	247	1.20	1 / 0	17.93	16.98	0.050	34.77	-17.80
	QPSK	680.50	H	140	254	1.21	1 / 0	17.75	16.81	0.048	34.77	-17.97
	QPSK	688.00	H	134	262	1.22	1 / 0	17.20	16.27	0.042	34.77	-18.51
	16-QAM	673.00	H	136	247	1.20	1 / 0	17.22	16.27	0.042	34.77	-18.51
15 MHz	QPSK	670.50	H	136	247	1.20	1 / 74	17.99	17.03	0.050	34.77	-17.74
	QPSK	680.50	H	140	254	1.21	1 / 74	17.70	16.75	0.047	34.77	-18.02
	QPSK	690.50	H	134	262	1.22	1 / 74	17.34	16.41	0.044	34.77	-18.36
	16-QAM	670.50	H	136	247	1.20	1 / 74	17.34	16.38	0.043	34.77	-18.39
10 MHz	QPSK	668.00	H	136	247	1.20	1 / 49	18.03	17.08	0.051	34.77	-17.69
	QPSK	680.50	H	140	254	1.21	1 / 49	17.68	16.74	0.047	34.77	-18.03
	QPSK	693.00	H	134	262	1.22	1 / 0	17.21	16.28	0.042	34.77	-18.49
	16-QAM	668.00	H	136	247	1.20	1 / 49	17.10	16.15	0.041	34.77	-18.62
5 MHz	QPSK	665.50	H	136	247	1.20	1 / 24	18.01	17.05	0.051	34.77	-17.72
	QPSK	680.50	H	140	254	1.21	1 / 12	17.71	16.76	0.047	34.77	-18.01
	QPSK	695.50	H	134	262	1.22	1 / 24	17.44	16.50	0.045	34.77	-18.27
	16-QAM	665.50	H	136	247	1.20	1 / 12	17.18	16.23	0.042	34.77	-18.54
20 MHz	Opposite Pol.	673.00	V	185	294	1.21	1 / 0	18.05	17.11	0.051	34.77	-17.66

Table 7-2. ERP Data (LTE Band 71) – Ant2

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	673.00	H	127	254	1.20	1 / 53	18.03	17.08	0.051	34.77	-17.70
	$\pi/2$ BPSK	680.50	H	127	254	1.21	1 / 1	17.67	16.73	0.047	34.77	-18.05
	$\pi/2$ BPSK	688.00	H	134	261	1.22	1 / 1	17.63	16.70	0.047	34.77	-18.08
	QPSK	673.00	H	127	256	1.20	1 / 53	17.97	17.02	0.050	34.77	-17.76
	QPSK	680.50	H	127	254	1.21	1 / 1	17.29	16.35	0.043	34.77	-18.43
	QPSK	688.00	H	134	261	1.22	1 / 1	17.62	16.69	0.047	34.77	-18.09
	16-QAM	673.00	H	127	256	1.20	1 / 53	16.29	15.34	0.034	34.77	-19.44
15 MHz	$\pi/2$ BPSK	670.50	H	127	254	1.20	1 / 39	18.26	17.31	0.054	34.77	-17.47
	$\pi/2$ BPSK	680.50	H	127	254	1.21	1 / 39	17.61	16.67	0.046	34.77	-18.11
	$\pi/2$ BPSK	690.50	H	134	261	1.22	1 / 39	17.70	16.77	0.047	34.77	-18.01
	QPSK	670.50	H	127	256	1.20	1 / 39	18.32	17.37	0.055	34.77	-17.41
	QPSK	680.50	H	127	254	1.21	1 / 39	17.30	16.36	0.043	34.77	-18.42
	QPSK	690.50	H	134	261	1.22	1 / 39	17.81	16.88	0.049	34.77	-17.90
	16-QAM	670.50	H	127	256	1.20	1 / 39	16.37	15.42	0.035	34.77	-19.36
10 MHz	$\pi/2$ BPSK	668.00	H	127	254	1.20	1 / 26	18.18	17.23	0.053	34.77	-17.55
	$\pi/2$ BPSK	680.50	H	127	254	1.21	1 / 26	17.66	16.72	0.047	34.77	-18.06
	$\pi/2$ BPSK	693.00	H	134	261	1.22	1 / 26	17.67	16.74	0.047	34.77	-18.04
	QPSK	668.00	H	127	256	1.20	1 / 26	18.17	17.22	0.053	34.77	-17.56
	QPSK	680.50	H	127	254	1.21	1 / 26	17.24	16.30	0.043	34.77	-18.48
	QPSK	693.00	H	134	261	1.22	1 / 26	17.73	16.80	0.048	34.77	-17.98
	16-QAM	668.00	H	127	256	1.20	1 / 26	16.47	15.52	0.036	34.77	-19.26
5 MHz	$\pi/2$ BPSK	665.50	H	127	254	1.20	1 / 12	18.23	17.28	0.053	34.77	-17.50
	$\pi/2$ BPSK	680.50	H	127	254	1.21	1 / 12	17.69	16.75	0.047	34.77	-18.03
	$\pi/2$ BPSK	695.50	H	134	261	1.22	1 / 12	17.68	16.75	0.047	34.77	-18.03
	QPSK	665.50	H	127	256	1.20	1 / 12	18.20	17.25	0.053	34.77	-17.53
	QPSK	680.50	H	127	254	1.21	1 / 12	17.34	16.40	0.044	34.77	-18.38
	QPSK	695.50	H	134	261	1.22	1 / 12	17.81	16.88	0.049	34.77	-17.90
	16-QAM	665.50	H	127	256	1.20	1 / 12	16.43	15.48	0.035	34.77	-19.30
20 MHz	QPSK (CP-OFDM)	673.00	H	127	256	1.20	1 / 53	13.80	12.85	0.019	34.77	-21.92
	QPSK (Opposite Pol.)	673.00	V	133	233	1.20	1 / 53	14.78	13.83	0.024	34.77	-20.94

Table 7-3. EIRP Data (NR Band n71) – Ant2

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7.3 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

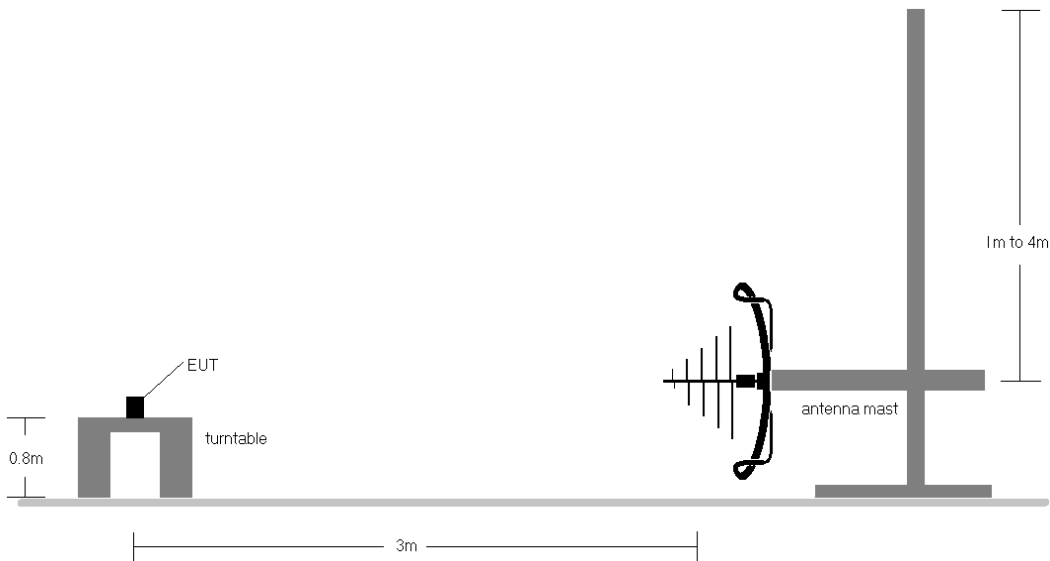


Figure 7-3. Test Instrument & Measurement Setup < 1GHz

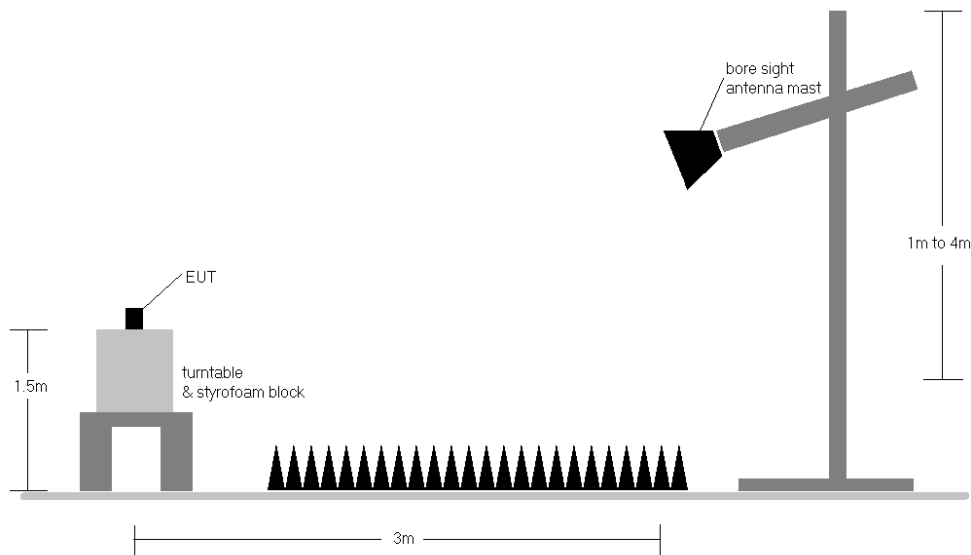


Figure 7-4. Test Instrument & Measurement Setup > 1GHz

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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
- 8) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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LTE Band 71 – Ant2

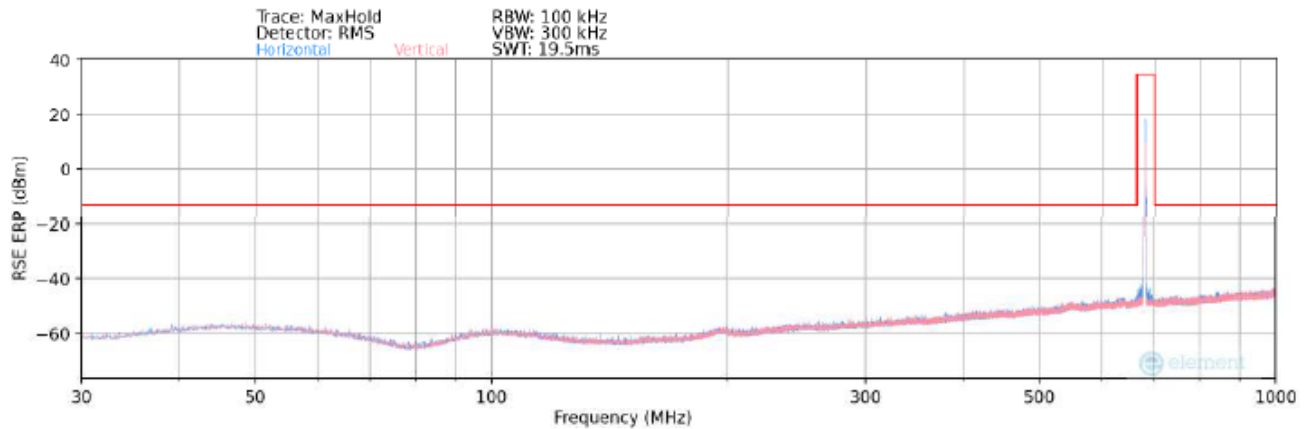


Table 7-4. Radiated Spurious Plot Below 1GHz (LTE Band 71) – Ant2

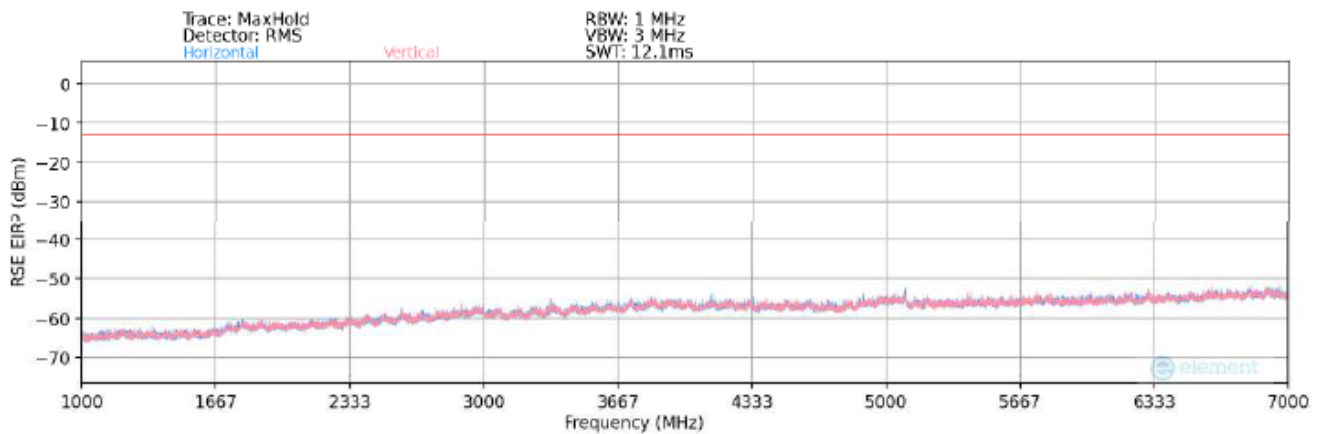


Table 7-5. Radiated Spurious Plot Above 1GHz (LTE Band 71) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
418.00	H	-	-	-87.62	23.51	42.89	-54.52	-13.00	-41.52
611.90	H	-	-	-85.70	26.95	48.25	-49.16	-13.00	-36.16
874.53	H	-	-	-86.34	30.59	51.25	-46.16	-13.00	-33.16

Table 7-6. Radiated Spurious Data (LTE Band 71) – Ant2

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Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	H	173	210	-72.17	-8.39	26.44	-68.82	-13.00	-55.82
2019.00	H	-	-	-76.14	-6.05	24.81	-70.45	-13.00	-57.45
2692.00	H	-	-	-75.16	-3.30	28.54	-66.72	-13.00	-53.72
3365.00	H	-	-	-77.71	-0.01	29.28	-65.97	-13.00	-52.97
4038.00	H	-	-	-78.31	1.45	30.14	-65.12	-13.00	-52.12

Table 7-7. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	159	195	-74.12	-8.40	24.48	-70.78	-13.00	-57.78
2041.50	H	-	-	-75.66	-5.85	25.49	-69.77	-13.00	-56.77
2722.00	H	-	-	-76.67	-3.21	27.12	-68.14	-13.00	-55.14
3402.50	H	-	-	-78.12	-0.38	28.50	-66.76	-13.00	-53.76
4083.00	H	-	-	-78.44	1.48	30.04	-65.21	-13.00	-52.21

Table 7-8. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	H	158	210	-72.15	-8.50	26.35	-68.91	-13.00	-55.91
2064.00	H	-	-	-75.84	-5.50	25.66	-69.60	-13.00	-56.60
2752.00	H	-	-	-76.05	-3.38	27.57	-67.69	-13.00	-54.69
3440.00	H	-	-	-77.01	-0.14	29.85	-65.40	-13.00	-52.40
4128.00	H	-	-	-77.52	1.21	30.69	-64.57	-13.00	-51.57

Table 7-9. Radiated Spurious Data (LTE Band 71 – High Channel – Ant2)

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NR Band n71 – Ant2

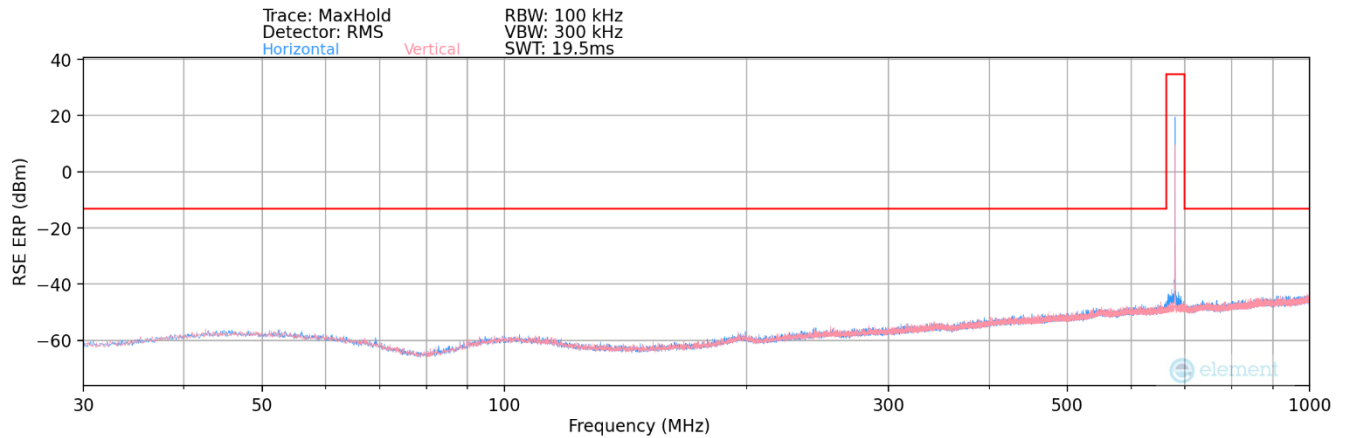


Table 7-10. Radiated Spurious Plot Below 1GHz (NR Band n71 – Ant2)

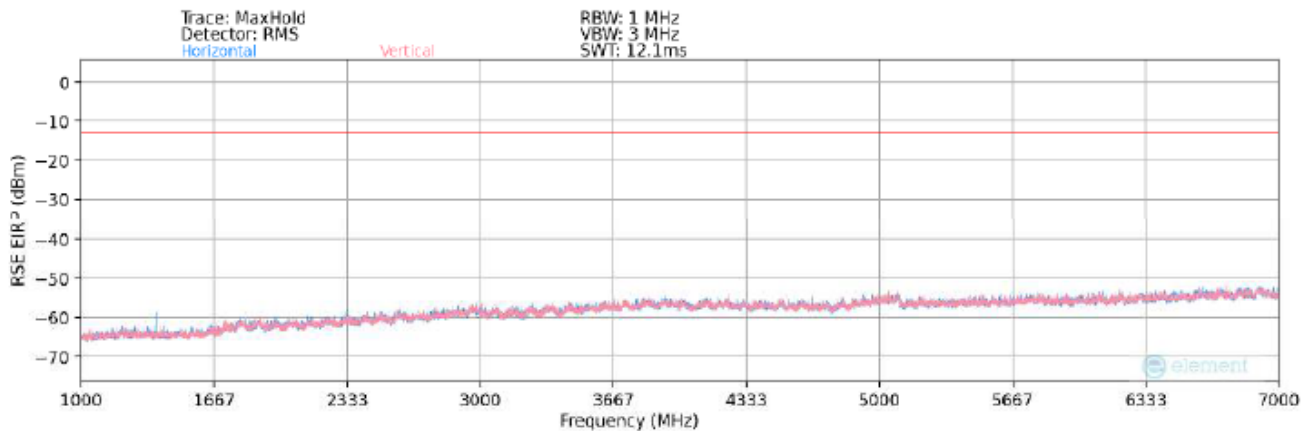


Table 7-11. Radiated Spurious Plot Above 1GHz (NR Band n71 – Ant2)

Channel:	20
Frequency (MHz):	680.5
RB / Offset	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
486.50	H	-	-	-87.01	23.51	43.50	-53.91	-13.00	-40.91
585.54	H	-	-	-86.36	26.95	47.59	-49.82	-13.00	-36.82
874.53	H	-	-	-86.68	30.59	50.91	-46.50	-13.00	-33.50

Table 7-12. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant2)

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Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	H	150	224	-71.42	-8.39	27.19	-68.07	-13.00	-55.07
2019.00	H	-	-	-76.51	-6.05	24.44	-70.82	-13.00	-57.82
2692.00	H	-	-	-76.52	-3.30	27.18	-68.08	-13.00	-55.08
3365.00	H	-	-	-77.98	-0.01	29.01	-66.24	-13.00	-53.24
4038.00	H	-	-	-78.71	1.45	29.74	-65.52	-13.00	-52.52

Table 7-13. Radiated Spurious Data (NR Band n71 – Low Channel – Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	148	210	-69.88	-8.40	28.72	-66.54	-13.00	-53.54
2041.50	H	-	-	-76.13	-5.85	25.02	-70.24	-13.00	-57.24
2722.00	H	-	-	-76.87	-3.21	26.92	-68.34	-13.00	-55.34
3402.50	H	-	-	-78.47	-0.38	28.15	-67.11	-13.00	-54.11
4083.00	H	-	-	-79.12	1.48	29.36	-65.89	-13.00	-52.89

Table 7-14. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	H	144	222	-67.93	-8.50	30.57	-64.69	-13.00	-51.69
2064.00	H	-	-	-76.19	-5.50	25.31	-69.95	-13.00	-56.95
2752.00	H	-	-	-76.63	-3.38	26.99	-68.27	-13.00	-55.27
3440.00	H	-	-	-77.45	-0.14	29.41	-65.84	-13.00	-52.84
4128.00	H	-	-	-78.12	1.21	30.09	-65.17	-13.00	-52.17

Table 7-15. Radiated Spurious Data (NR Band n71 – High Channel – Ant2)

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8.0 CONCLUSION

The Class II Permissive Change test results provided in this report show that the change has minimal impact and the **FCC ID: A3LSMA576U** remains compliant with the FCC Part 27 requirements.

- END OF TEST REPORT -

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