TEST REPORT

Report Number : 15107843-E21V1

Applicant	:	Google LLC 1600 Amphitheatre Parkway Mountain View, CA 94043 U.S.A.
Model	:	GUR25 , G1B60
FCC ID	:	AR5GUR25
EUT Description	:	PHONE
Test Standard(s)	:	FCC PART 96.47

Date Of Issue:
2024-05-13

Prepared by:
UL Verification Services Inc.
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ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2024-05-13	Initial Issue	Steven Tran

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	Google LLC 1600 Amphitheatre Parkway Mountain View, CA 9s4043 U.S.A.
Model	GUR25/G1B60
Brand	GOOGLE
FCC ID	AR5GUR25
EUT Description	PHONE
Serial Number	41061FDAQ0009D
Sample Receipt Date	4/1/2024
Date Tested	4/2/2024
Applicable Standards	FCC Title 47 CFR PART 96.47
Test Results	COMPLIES

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise.

This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.

Approved & Released By:	Tested By:
	
Dan Coronia Operations Leader UL Verification Services Inc.	Steven Tran Project Engineer UL Verification Services Inc.

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC Part 96.47, KDB 940660 D01 Part 96 CBRS Eqpt v03 and WINNF-TS-0122-v1.0.2.

3. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☒	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☐	Building 3: 843 Auburn Court, Fremont, CA 94538 USA			
☐	Building 4: 47658 Kato Rd, Fremont, CA 94538 USA			
☐	Building 5: 47670 Kato Rd, Fremont, CA 94538 USA			

4. DECISION RULES AND MEASUREMENT UNCERTAINTY

4.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

4.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U_{Lab}
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

5. INTRODUCTION OF TEST DATA REUSE

5.1. DESCRIPTION OF EUT

The EUT is a Phone.

Testing was performed on the parent model and is used to support the application for the parent and variants identified in this report based on the test plan submitted and approved via KDB inquiry by the FCC.

5.2. INTRODUCTION

This application for certification is leveraging the data reuse procedures from KDB 484596 D01 based on reference FCC ID: A4RG2YBB to cover variant model FCC ID: AR5GUR25. The major difference between the parent/reference model and the variant model is depopulation of LTE and 5G NR Bands. All other circuitry and features are identical. The data reuse test plan was approved via manufacturer KDB inquiry.

5.3. MODEL DIFFERENCES

The manufacturer hereby declares the following for models GUR25 , G1B60

They have the same PCB layout, design, common components, antennas, antenna locations and housing cases.

Model	FCC ID	Model Changes
G2YBB	A4RG2YBB	Reference Model
GUR25 ,G1B60	A4RGUR25	Variant model, Disabled LTE B29, 5G NR n29, n48, n70, n79 from the reference model via software. The Variant device A4RGUR25 supports NR band n79 for non-US carriers, and the reference device A4RG2YBB does not. NR n79 will not be part of FCC certification. FR2 mmWave depopulated. The GUR25 and G1B60 are identical in Hardware / Software to each other. The only difference lies in the model names, which serve marketing purposes. All test samples used are Model G2YBB.

5.4. REFERENCE DETAIL

Reference application that contains the reused reference data.

Reference FCC ID	Reference Application	Variant model FCC ID	Report Title/Section
A4RG2YBB	15107843-E5	AR5GUR25	CBRS LTE B48 / All Sections

6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT

Support Equipment List				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID**
Laptop and AC/DC adapter	Lenovo	20NYS1GL00	MJ0C6F8E	-

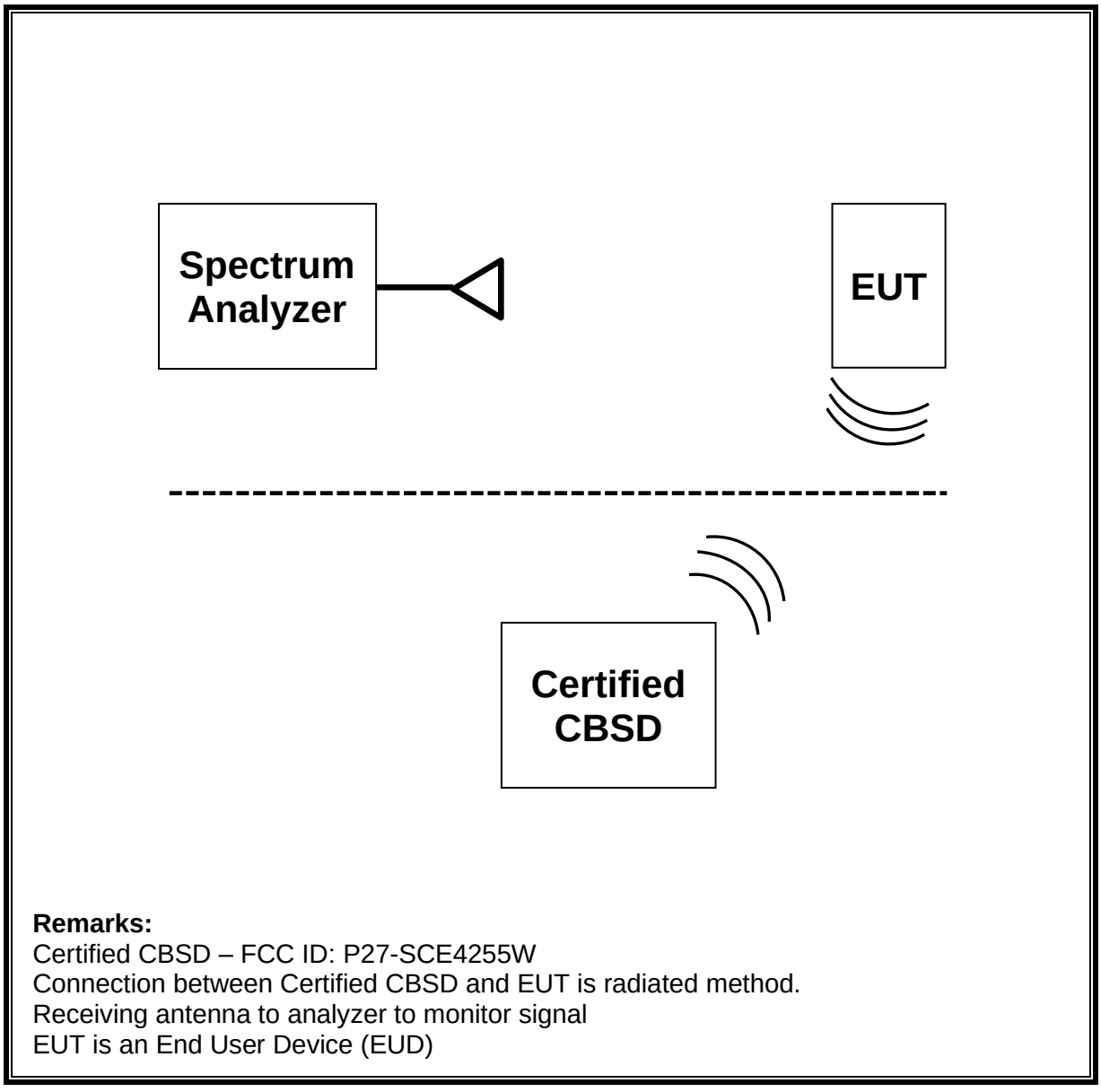
I/O CABLES

I/O Cable List						
Cable No	**Port**	**# of identical ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	AC	1	AC	Un-Shielded	1	N/A
3	RJ45	3	Ethernet	Un-Shielded	1	N/A
2	RF Port	2	SMA	Shielded	0.5	N/A

TEST SETUP

The standalone EUT connected to a certified CBSD and Spectrum Analyzer via air and an RF cable respectively.

SETUP DIAGRAM OF TEST SYSTEM



Remarks:
Certified CBSD – FCC ID: P27-SCE4255W
Connection between Certified CBSD and EUT is radiated method.
Receiving antenna to analyzer to monitor signal
EUT is an End User Device (EUD)

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	**Manufacturer**	**Model**	**ID Num**	**Cal Due**
Spectrum Analyzer, PXA, 3Hz to 44GHz	Agilent (Keysight) Technologies	N9030A	80396	02/28/2025
Mount Antenna	Wilson Amplifiers	301126	-	-
Mosolabs Englewood B48 LTE AP	Mosolabs	SCE4255W	2206CW6000010	-

8. END USER DEVICE ADDITIONAL REQUIREMENT

8.1. TEST REQUIREMENT

FCC Part 96.47

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

8.2. TEST PROCEDURE AND EUT CONFIGURATION

KDB 940660 D01 Part 96 CBRS v03, WINNF-TS-0122 V1.0.2

Additional requirements are required to End-User Device n48 device base on CBSD protocol. During the test, the EUT and its companion certified CBSD (FCC ID: P27-SCE4255W) device communicate with each other via air. Plots are captured and measurements are done over the air, in which the path loss is not accounted for the correction of the output power.

Configuration	Frequency (MHz)	Power (dBm/MHz)	Bandwidth (MHz)
1	3670	15	20
2	3690	10	20

Configuration 1

a) Setup CBSD with 3670MHz and power level 15 dBm/MHz
b) Enable B48 service from CBSD admin control panel
c) Check EUT Transmitter Frequency and power
d) Disable B48 service from CBSD admin control panel and check EUT stop transmission within 10s.

Configuration 2

a) Enable B48 service on radio admin control panel, so that the frequency 3690MHz and power level 10 dBm/MHz come up automatically.
b) Check EUT Transmitter Frequency and power
c) Disable B48 service from CBSD admin control panel and check EUT stop transmission within 10s.

s

TEST RESULTS

Appendix A – Reference Test Report

Attached is the test report (15107843-E5) containing the reference data from the parent model as detailed in section 5.4.

END OF REPORT

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