SPOT CHECK EVALUATION

FCC ID	:	**A4RGLU0G**
Equipment	:	**Phone**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC Part 15 Subpart F §15.519**

We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

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Approved by: Louis Wu

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TABLE OF CONTENTS

History of this test report

Version	Description	Issued Date
01	Initial issue of report	Jun. 29, 2022

1. Introduction Section

FCC ID: A4RG8V0U (parent model) and FCC ID: A4RGLU0G (variant model) use the same identical internal printed circuit board layouts, while the variant model depopulates mmWave related components, details are available in the operational description. Based on their similarity, the FCC Part 15F (equipment class: UWB) reuse the original model's result and do spot-check, following the FCC KDB 484596 D01 v01. The spot check data in this report is used to justify the data reuse

The applicant should take full responsibility that the test data as referenced in this report represent compliance for this FCC ID: A4RGLU0G.

2. Model Difference Information

A4RG8V0U and A4RGLU0G use the identical internal printed circuit board layout, and the difference in the components population:

- A4RGLU0G: 5GNR FR2 mmWave related components are depopulated.

The detail of similarity and difference is illustrated in the operational description, and based on the information spot check on conducted power and emission was performed for ensure compliance

3. Spot Check Verification Data Section

Radiated spurious emission test configurations were selected from the worst cases identified in the parent model and tested to demonstrate the test data from original model remains representative for the variant model.

Summary for field strength and RSE spot check for Part 15F UWB is listed as below:

Test Item	Mode	ANT	A4RG8V0U Parent Worst Result	A4RGLU0G Variant Check Result	Difference (dB)
Field Strength (dBuV/m)	UWB	1	49.22	48.89	0.33
	UWB	2	53.77	53.46	0.31
	UWB	3	53.48	53.08	0.40
Radiated Spurious Emission (dBuV/m)	UWB	1	35.59	35.54	0.05
	UWB	2	36.34	36.54	-0.20
	UWB	3	38.11	37.33	0.78

Conclusion:

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

The spot check emission level is not degraded more than 3dB, and the margin to the limit is greater than 1.5dB, data referencing is justified according to the guidance.

4. Reference detail Section

Rule Part	Equipment Class	Wireless Technology	Frequency Band (MHz)	Reference FCC ID (Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)
15F	UWB	UWB	CH5: 6489.6 CH9: 7987.2	A4RG8V0U	Original Grant	FR121931-20	A4RGLU0G

END of this report