



# SPOT CHECK EVALUATION

FCC ID : A4RGP4BC  
Equipment : Phone  
Applicant : Google LLC  
1600 Amphitheatre Parkway,  
Mountain View, California, 94043 USA  
Standard : 47 CFR Part 2, 27

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.

*Louis Wu*

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



## **TABLE OF CONTENTS**

**History of this test report.....3**

**1. Introduction Section .....4**

**2. Model Difference Information .....5**

**3. Spot Check Verification Data Section .....6**

**4. Reference detail Section .....7**

**5. List of Measuring Equipment.....8**

**6. Radiated Emission Setup Plots**



### History of this test report

Version	Description	Issued Date
01	Initial issue of report	Mar. 08, 2023



## **1. Introduction Section**

FCC ID: A4RGE2AE (parent model) and FCC ID: A4RGP4BC (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 27 n41 bandwidth 70MHz (equipment class: PCE) 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: A4RGP4BC.



## **2. Model Difference Information**

A4RGE2AE and A4RGP4BC use the identical internal printed circuit board layout, and the difference in the components population:

- A4RGP4BC: 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

Conducted power test and 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 power and RSE spot check for each FCC rule part is listed as below:

Test Item	Mode	A4RGE2AE Parent Worst Result	A4RGP4BC Variant Check Result	Difference (dB)
Conducted Power (dBm)	WWAN NR n41 MIMO 70MHz	28.68	28.62	0.06

**Conclusion:**

Conducted power 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 conducted power is not degraded, data referencing is justified according to the guidance in the KDB inquiry



#### 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)
27	PCE	NR	n41	A4RGE2AE	C2PC	FG102919-21	A4RGP4BC



### 5. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Programmable Power Supply	GW Instek	PSS-2005	EL890001	50Hz~60Hz	Sep. 29, 2022	Feb. 09, 2023~ Feb. 10, 2023	Sep. 28, 2023	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101102	10Hz~44GHz	Feb. 02, 2023	Feb. 09, 2023~ Feb. 10, 2023	Feb. 01, 2024	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6261940327	FR1	Dec. 09, 2022	Feb. 09, 2023~ Feb. 10, 2023	Dec. 08, 2023	Conducted (TH03-HY)

————THE END————