

TEST REPORT

Applicant Name: Grandstream Networks, Inc.
Address: 126 Brookline Ave., 3rd Floor Boston, MA 02215, USA
Report Number: 2604U27448E-RF-00
FCC ID: YZZGRP2615PRO

Test Standard (s)

47 CFR §2.1091

Sample Description

Product Name: Carrier-Grade HD IP Phone
Model No.: GRP2615 Pro
Trade Mark: GRANDSTREAM
Received Date: 2026-06-17
Report Date: 2026-09-11

Test Result:	The EUT complied with the standards above.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604U27448E-RF-00	Original Report	2026-09-11

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product Name	Carrier-Grade HD IP Phone
Tested Model	GRP2615 Pro
Voltage Range [#]	DC 5V from adapter or DC 48V from POE
Adapter 1 Information [#]	Model:DCT12W050200US-A2 Input:100-240 V~ 50/60Hz 0.3A Max Output:5.0V ---2.0A
Adapter 2 Information [#]	Model: GQ12-050200-AU Input: 100-240V~ 50/60Hz 0.4A max Output: 5.0V ---2.0A
Adapter 3 Information [#]	Model: GLH0502000 Input: 100-240V~ 50/60Hz 0.5A max Output: 5.0V ---2.0A 10.0W
Note: The EUT powered by adapter or POE.	

Frequency Range	Bluetooth/BLE: 2402-2480MHz 2.4G Wi-Fi: 2412-2462MHz 5G Wi-Fi: 5150-5250MHz, 5250-5350MHz 5470-5725MH, 5725-5850MHz NFC: 13.56 MHz WPT: 111-205kHz RFID: 125kHz
Maximum Conducted Output Power(Peak) (actual test result)	Bluetooth: 8.58 dBm, BLE: 8.32 dBm 2.4G Wi-Fi: 24.35 dBm
Maximum Conducted Output Power(Average) (actual test result)	5G Wi-Fi: 5150-5250MHz: 13.20 dBm, 5250-5350MHz: 13.55 dBm 5470-5725MHz: 13.11 dBm, 5725-5850MHz: 13.69 dBm
Maximum E-field Strength (actual test result)	NFC: 66.58 dBμV/m@3m
Antenna Specification [#]	Bluetooth/BLE/ Wi-Fi/ NFC: PCB Antenna 2.4 Gain: 3.37dBi, 5G Gain: 4.46dBi(Max.) (The gain is provided by the applicant.)
	WPT/RFID: Coil Antenna
Sample Serial Number	3OJN-2, 3OJN-1(Assigned by BACL, Shenzhen, Guangming)
Sample/EUT Status	Good condition

Objective

This test report is in accordance with Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with 47 CFR §2.1091 rules.

Test Facility

The test site used by Bay Area Compliance Laboratories Corp. (Shenzhen, Guangming) to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

MPE Calculated Formulary:

- Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

- For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Result

Radio	Frequency (MHz)	Antenna Gain [#]		Tune up conducted power [#]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
BT	2402-2480	3.37	2.17	9.0	7.94	20	0.0034	1.0
BLE	2402-2480	3.37	2.17	8.8	7.59	20	0.0033	1.0
2.4G Wi-Fi	2412-2462	3.37	2.17	24.9	309.03	20	0.1336	1.0
5G Wi-Fi	5180-5240	4.46	2.79	13.7	23.44	20	0.0130	1.0
	5260-5320	4.46	2.79	14.0	25.12	20	0.0140	1.0
	5500-5720	4.46	2.79	13.6	22.91	20	0.0127	1.0
	5745-5825	4.46	2.79	14.2	26.30	20	0.0146	1.0

Radio	Frequency	EIRP ^{Note 2}		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBm)	(mW)			
NFC	13.56 MHz	-28.62	0.001	20	0.0000003	0.98

Note 1: The tune-up power, antenna gain are declared by the applicant.

Note 2 $E[dB\mu V/m] = EIRP[dBm] + 95.2$ for $d = 3$ m.

For NFC $EIRP = 66.58$ dB $\mu V/m@3m - 95.2 = -28.62$ dBm

Note 3: The 2.4G Wi-Fi and 5G Wi-Fi can't transmission simultaneously.

Note 4: The Bluetooth and 2.4G Wi-Fi can't transmission simultaneously.

Note 5: The Bluetooth or Wi-Fi can transmission simultaneously with NFC, WPT and RFID.

- Simultaneous transmitting consideration (worst case):

$$\begin{aligned}
 \text{The ratio} &= MPE_{2.4G \text{ Wi-Fi}}/\text{limit} + MPE_{NFC}/\text{limit} + (H\text{-Field}_{WPT}/\text{Limit})^2 + (H\text{-Field}_{RFID}/\text{Limit})^2 \\
 &= 0.1336/1.0 + 0.0000003/0.98 + (0.16^{\#}/1.63^{\#})^2 + (0.11^{\#}/1.63^{\#})^2 \\
 &= 0.1478 \\
 &< 1.0
 \end{aligned}$$

Note: Test values and limit are of WPT and RFID referenced from report: 2601U21438E-RF-00[#].

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2604U27448E-RF EUT External Photos and Attachment No.2 2604U27448E-RF EUT Internal Photos.

******* END OF REPORT *******