

Gold Apollo Co Ltd
Rm 1, 3rd Fl., No. 77 Sec 1 Hsin Tai Wu Rd, Hsi-Chih Dist
New Taipei city Taiwan 221

Federal Communications Commission
Authorization and Evaluation Division
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Applicant's declaration concerning RF Radiation Exposure

We hereby indicate that the product
Product description: Repeater
Model No: RP-100

The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The integral antennas used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter within the host device.

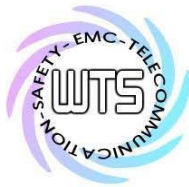
A safety statement concerning minimum separation distances from enclosure of the
Product : Repeater
will be integrated in the user's manual to provide end-users with transmitter operating conditions for satisfying RF exposure compliance.

The appropriate information can be drawn from the test report no: W6M21804-18005-C-1 and the accompanying calculations.

Company: Gold Apollo Co Ltd
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Date: 2018-05-07

Signature *Adam Yu*



Registration number: W6M21804-18005-C-1
FCC ID: NDARP100

12. RF Exposure Compliance Requirements

FCC Rule: Part 90

Test exclusion = max. conducted output power + adjusted for tune-up tolerance

Test exclusion = 10.47 dBm

RESULT:

Test standard : FCC KDB Publication
447498 D01 General RF Exposure Guidance v05r02

According to 447498 D01 General RF Exposure Guidance v05r02:

SAR evaluation, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

The enclosure of the device provides ≥ 0.5 cm separation from the antenna elements to significant metal parts of the enclosure to minimize potential perturbations.

Frequency Band: 450-470 MHz

Maximum Power fed to Antenna: 11.1429 mW

Separation distances:

Radiator to user: > 5 mm

Distance prescribed in user manual: > 5 mm

MHz	5	10	15	20	25	mm
450	22	45	67	89	112	SAR Test Exclusion Threshold (mW)

MHz	30	35	40	45	50	mm
450	134	157	179	201	224	SAR Test Exclusion Threshold (mW)

MHz	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	mm
450	224	254	284	314	344	374	404	434	464	494	524	554	584	614	644	mW