

TEST REPORT

FCC MPE Test for eROU_7191725L1_X_R
Certification

APPLICANT
SOLiD, Inc.

REPORT NO.
HCT-RF-2109-FC011-R1

DATE OF ISSUE
September 9, 2021

Tested by
Kyung Soo Kang



Technical Manager
Jong Seok Lee



HCT CO., LTD.
BongJai Huh
BongJai Huh / CEO

HCT CO., LTD.

74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si,
Gyeonggi-do, 17383 KOREA
Tel. +82 31 634 6300 Fax. +82 31 645 6401



HCT Co., Ltd.

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TEST REPORT

FCC MPE Test for
eROU_7191725L1_X_R

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Additional Model

eROU_7191725L1_N_R, eROU_7191725L2_X_R,
eROU_7191725L2_N_R

Applicant

SOLiD, Inc.

10, 9th Floor, SOLiD Space, Pangyoyeok-ro 220, Bundang-gu, Seongnam-si,
Gyeonggi-do, 463-400, South Korea

**Eut Type
Model Name**

ALLIANCE eROU
eROU_7191725L1_X_R

FCC ID

W6UER7191725R

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test results were applied only to the test methods required by the standard.

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	September 03, 2021	Initial Release
1	September 09, 2021	Revised the results.

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

If this report is required to confirmation of authenticity, please contact to www.hct.co.kr

RF Exposure Statement

1. Limit

According to § 1.1310, § 2.1091 RF exposure is calculated.

(B) Limits for General Population/Uncontrolled Exposures				
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

2. Maximum Permissible Exposure Prediction

Prediction of MPE limit at a given distance

$$S = PG/4\pi R^2$$

S = Power density

P = power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

3. RESULTS

3.1 MPE calculation for standalone operations

- Lower 700 MHz – LTE 5 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	730.50	MHz
Antenna Gain(typical)	2.78	dBi
Antenna Gain(numeric)	1.90	-
Power density at prediction frequency(S)	0.0106	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4870	mW/cm ²

- Lower 700 MHz – LTE 10 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	733.00	MHz
Antenna Gain(typical)	2.78	dBi
Antenna Gain(numeric)	1.90	-
Power density at prediction frequency(S)	0.0106	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4887	mW/cm ²

- Upper 700 MHz – LTE 5 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	748.50	MHz
Antenna Gain(typical)	2.78	dBi
Antenna Gain(numeric)	1.90	-
Power density at prediction frequency(S)	0.0106	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4990	mW/cm ²

- Upper 700 MHz – LTE 10 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	751.00	MHz
Antenna Gain(typical)	2.78	dBi
Antenna Gain(numeric)	1.90	-
Power density at prediction frequency(S)	0.0106	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5007	mW/cm ²

- FirstNet – LTE 5 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	760.50	MHz
Antenna Gain(typical)	2.78	dBi
Antenna Gain(numeric)	1.90	-
Power density at prediction frequency(S)	0.0106	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5070	mW/cm ²

- FirstNet – LTE 10 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	763.00	MHz
Antenna Gain(typical)	2.78	dBi
Antenna Gain(numeric)	1.90	-
Power density at prediction frequency(S)	0.0106	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5087	mW/cm ²

- AWS – CDMA (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	3.30	dBi
Antenna Gain(numeric)	2.138	-
Power density at prediction frequency(S)	0.0300	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – WCDMA (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	3.30	dBi
Antenna Gain(numeric)	2.138	-
Power density at prediction frequency(S)	0.0300	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 5 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	3.30	dBi
Antenna Gain(numeric)	2.138	-
Power density at prediction frequency(S)	0.0300	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 10 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	3.30	dBi
Antenna Gain(numeric)	2.138	-
Power density at prediction frequency(S)	0.0300	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 20 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	3.30	dBi
Antenna Gain(numeric)	2.138	-
Power density at prediction frequency(S)	0.0300	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – GSM (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	3.69	dBi
Antenna Gain(numeric)	2.339	-
Power density at prediction frequency(S)	0.0328	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – CDMA (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	3.69	dBi
Antenna Gain(numeric)	2.339	-
Power density at prediction frequency(S)	0.0328	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – WCDMA (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	3.69	dBi
Antenna Gain(numeric)	2.339	-
Power density at prediction frequency(S)	0.0328	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – LTE 5 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	3.69	dBi
Antenna Gain(numeric)	2.339	-
Power density at prediction frequency(S)	0.0328	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – LTE 10 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.00	MHz
Antenna Gain(typical)	3.69	dBi
Antenna Gain(numeric)	2.339	-
Power density at prediction frequency(S)	0.0328	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – LTE 20 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1985.00	MHz
Antenna Gain(typical)	3.69	dBi
Antenna Gain(numeric)	2.339	-
Power density at prediction frequency(S)	0.0328	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – LTE 20 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	6.67	dBi
Antenna Gain(numeric)	4.645	-
Power density at prediction frequency(S)	0.0651	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_20 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	6.67	dBi
Antenna Gain(numeric)	4.645	-
Power density at prediction frequency(S)	0.0651	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_40 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	6.67	dBi
Antenna Gain(numeric)	4.645	-
Power density at prediction frequency(S)	0.0651	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_60 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	6.67	dBi
Antenna Gain(numeric)	4.645	-
Power density at prediction frequency(S)	0.0651	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_80 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	6.67	dBi
Antenna Gain(numeric)	4.645	-
Power density at prediction frequency(S)	0.0651	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_100 MHz (Downlink)_[Internal Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2640.00	MHz
Antenna Gain(typical)	6.67	dBi
Antenna Gain(numeric)	4.645	-
Power density at prediction frequency(S)	0.0651	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Lower 700 MHz – LTE 5 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	730.50	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.31	-
Power density at prediction frequency(S)	0.0352	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4870	mW/cm ²

- Lower 700 MHz – LTE 10 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	733.00	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.31	-
Power density at prediction frequency(S)	0.0352	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4887	mW/cm ²

- Upper 700 MHz – LTE 5 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	748.50	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.31	-
Power density at prediction frequency(S)	0.0352	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4990	mW/cm ²

- Upper 700 MHz – LTE 10 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	751.00	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.31	-
Power density at prediction frequency(S)	0.0352	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5007	mW/cm ²

- FirstNet – LTE 5 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	760.50	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.31	-
Power density at prediction frequency(S)	0.0352	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5070	mW/cm ²

- FirstNet – LTE 10 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	20.50	dBm
Max Peak output Power at antenna input terminal	112.20	mW
Prediction distance	40.00	cm
Prediction frequency	763.00	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.31	-
Power density at prediction frequency(S)	0.0352	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5087	mW/cm ²

- AWS – CDMA (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – WCDMA (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 5 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 10 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 20 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2134.93	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – GSM (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – CDMA (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – WCDMA (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – LTE 5 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.72	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – LTE 10 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1990.00	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS – LTE 20 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	1985.00	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – LTE 20 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_20 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_40 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_60 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_80 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2645.46	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- BRS/EBS – 5G NR_100 MHz (Downlink)_[External Type]

Max Peak output Power at antenna input terminal	24.50	dBm
Max Peak output Power at antenna input terminal	281.84	mW
Prediction distance	40.00	cm
Prediction frequency	2640.00	MHz
Antenna Gain(typical)	8.00	dBi
Antenna Gain(numeric)	6.310	-
Power density at prediction frequency(S)	0.0884	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

3.2 Simultaneous band emission conditions

[Downlink]

-Internal Type-

Band	MPE Ratio (Power density / Limit)	Sum of MPE Ratio	
Lower 700 MHz	0.0218	0.1918	≤ 1
Upper 700 MHz	0.0212		
FirstNet	0.0209		
AWS	0.0300		
Broadband PCS	0.0328		
BRS/EBS	0.0651		

- External Type -

Band	MPE Ratio (Power density / Limit)	Sum of MPE Ratio	
Lower 700 MHz	0.0723	0.4774	≤ 1
Upper 700 MHz	0.0705		
FirstNet	0.0694		
AWS	0.0884		
Broadband PCS	0.0884		
BRS/EBS	0.0884		

Note:

1. The result of each band was applied to the worst value.
2. MPE ratios are calculated as

$$[(\text{Power density}_1 / \text{MPE Limit}) + [(\text{Power density}_2 / \text{MPE Limit}) + \dots] \leq 1$$