

TEST REPORT

FCC MPE Test for eROU_781719L1_X
Certification

APPLICANT
SOLiD, Inc.

REPORT NO.
HCT-RF-2203-FC008-R1

DATE OF ISSUE
April 8, 2022

Tested by
Kyung Soo Kang



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TEST
REPORT

FCC MPE Test for
eROU_781719L1_X

REPORT NO.

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April 08, 2022

Additional Model

eROU_781719L1_N, eROU_781719L2_X, eROU_781719L2_N

Applicant

SOLiD, Inc.

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Gyeonggi-do, 463-400, South Korea

Eut Type
Model Name

ALLIANCE eROU
eROU_781719L1_X

FCC ID

W6UER781719

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	March 03, 2022	Initial Release
1	April 08, 2022	Revised the result.

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. LIMITS

According to § 1.1310 and § 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. Result

[Internal Antenna]

- Lower 700 MHz - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	728.00	MHz
Antenna Gain(typical)	3.27	dBi
Antenna Gain(numeric)	2.12	-
Power density at prediction frequency(S)	0.0138	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4853	mW/cm ²

- Lower 700 MHz - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	728.00	MHz
Antenna Gain(typical)	3.27	dBi
Antenna Gain(numeric)	2.12	-
Power density at prediction frequency(S)	0.0138	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4853	mW/cm ²

- Upper 700 MHz - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	746.00	MHz
Antenna Gain(typical)	3.27	dBi
Antenna Gain(numeric)	2.12	-
Power density at prediction frequency(S)	0.0138	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4973	mW/cm ²

- Upper 700 MHz - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	746.00	MHz
Antenna Gain(typical)	3.27	dBi
Antenna Gain(numeric)	2.12	-
Power density at prediction frequency(S)	0.0138	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4973	mW/cm ²

- FirstNet - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	758.00	MHz
Antenna Gain(typical)	3.27	dBi
Antenna Gain(numeric)	2.12	-
Power density at prediction frequency(S)	0.0138	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5053	mW/cm ²

- FirstNet - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	758.00	MHz
Antenna Gain(typical)	3.27	dBi
Antenna Gain(numeric)	2.12	-
Power density at prediction frequency(S)	0.0138	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5053	mW/cm ²

- ESMR - CDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- ESMR – WCDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- ESMR - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- Cellular – CDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- Cellular - WCDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- Cellular – LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- Cellular - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	3.67	dBi
Antenna Gain(numeric)	2.33	-
Power density at prediction frequency(S)	0.0151	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- AWS – CDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	4.29	dBi
Antenna Gain(numeric)	2.69	-
Power density at prediction frequency(S)	0.0438	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS - WCDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	4.29	dBi
Antenna Gain(numeric)	2.69	-
Power density at prediction frequency(S)	0.0438	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	4.29	dBi
Antenna Gain(numeric)	2.69	-
Power density at prediction frequency(S)	0.0438	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	4.29	dBi
Antenna Gain(numeric)	2.69	-
Power density at prediction frequency(S)	0.0438	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS - LTE 20 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	4.29	dBi
Antenna Gain(numeric)	2.69	-
Power density at prediction frequency(S)	0.0438	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) – GSM (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	4.72	dBi
Antenna Gain(numeric)	2.96	-
Power density at prediction frequency(S)	0.0484	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) – CDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	4.72	dBi
Antenna Gain(numeric)	2.96	-
Power density at prediction frequency(S)	0.0484	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - WCDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	4.72	dBi
Antenna Gain(numeric)	2.96	-
Power density at prediction frequency(S)	0.0484	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	4.72	dBi
Antenna Gain(numeric)	2.96	-
Power density at prediction frequency(S)	0.0484	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	4.72	dBi
Antenna Gain(numeric)	2.96	-
Power density at prediction frequency(S)	0.0484	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - LTE 20 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	4.72	dBi
Antenna Gain(numeric)	2.96	-
Power density at prediction frequency(S)	0.0484	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

[External Antenna]

- Lower 700 MHz - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	728.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4853	mW/cm ²

- Lower 700 MHz - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	728.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4853	mW/cm ²

- Upper 700 MHz - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	746.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4973	mW/cm ²

- Upper 700 MHz - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	746.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.4973	mW/cm ²

- FirstNet - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	758.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5053	mW/cm ²

- FirstNet - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	758.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5053	mW/cm ²

- ESMR - CDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- ESMR – WCDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- ESMR - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	862.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5747	mW/cm ²

- Cellular – CDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- Cellular - WCDMA (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- Cellular – LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- Cellular - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	20.00	dBm
Max Peak output Power at antenna input terminal	100.00	mW
Prediction distance	35.00	cm
Prediction frequency	869.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.59	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	0.5793	mW/cm ²

- AWS – CDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS - WCDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS – LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- AWS - LTE 20 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	2110.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) – GSM (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) – CDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - WCDMA (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - LTE 5 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - LTE 10 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- Broadband PCS (1 930 MHz ~ 1 995 MHz) - LTE 20 MHz (Downlink)

Max Peak output Power at antenna input terminal	24.00	dBm
Max Peak output Power at antenna input terminal	251.19	mW
Prediction distance	35.00	cm
Prediction frequency	1930.00	MHz
Antenna Gain(typical)	7.00	dBi
Antenna Gain(numeric)	5.01	-
Power density at prediction frequency(S)	0.0818	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

Simultaneous band emission conditions

[Downlink]_Internal Antenna

Band	MPE Ratio (Power density / Limit)	Sum of MPE Ratio	
Lower 700 MHz	0.0284	0.2281	≤ 1
Upper 700 MHz	0.0277		
FirstNet	0.0273		
AWS	0.0438		
ESMR	0.0263		
Cellular	0.0261		
Broadband PCS	0.0484		

[Downlink]_External Antenna

Band	MPE Ratio (Power density / Limit)	Sum of MPE Ratio	
Lower 700 MHz	0.1685	0.9419	≤ 1
Upper 700 MHz	0.1644		
FirstNet	0.1618		
AWS	0.0818		
ESMR	0.1423		
Cellular	0.1412		
Broadband PCS	0.0818		

*Note

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

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