

TEST REPORT

FCC MPE Test for RT4423-48B
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2209-FC005

DATE OF ISSUE
September 29, 2022

Tested by
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TEST REPORT FCC MPE Test for RT4423-48B	REPORT NO. HCT-RF-2209-FC005
	DATE OF ISSUE September 29, 2022
	Additional Model -

Applicant	SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
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Eut Type Model Name	RRU(RT4423) RT4423-48B
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FCC ID	A3LRT4423-48B
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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 29, 2022	Initial Release

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

- CBRS NR 10 MHz 1 Carrier

Max Peak output Power at antenna input terminal	37.02	dBm
Max Peak output Power at antenna input terminal	5 035.01	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.1261	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 20 MHz 1 Carrier

Max Peak output Power at antenna input terminal	39.98	dBm
Max Peak output Power at antenna input terminal	9 954.05	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.2493	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 30 MHz 1 Carrier

Max Peak output Power at antenna input terminal	40.78	dBm
Max Peak output Power at antenna input terminal	11 967.41	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.3773	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 40 MHz 1 Carrier

Max Peak output Power at antenna input terminal	42.00	dBm
Max Peak output Power at antenna input terminal	15 848.93	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.4997	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 60 MHz 1 Carrier

Max Peak output Power at antenna input terminal	43.81	dBm
Max Peak output Power at antenna input terminal	24 043.63	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.7581	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 80 MHz 1 Carrier

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 100 MHz 1 Carrier

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE 5 MHz 1 Carrier

Max Peak output Power at antenna input terminal	34.01	dBm
Max Peak output Power at antenna input terminal	2 517.68	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.0631	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE 10 MHz 1 Carrier

Max Peak output Power at antenna input terminal	37.02	dBm
Max Peak output Power at antenna input terminal	5 035.01	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.1261	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE 15 MHz 1 Carrier

Max Peak output Power at antenna input terminal	38.78	dBm
Max Peak output Power at antenna input terminal	7 550.92	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.1891	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE 20 MHz 1 Carrier

Max Peak output Power at antenna input terminal	39.98	dBm
Max Peak output Power at antenna input terminal	9 954.05	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.2493	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR(60 MHz 1C + 30 MHz 1C)[2C] (Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C] (Contiguous)

Max Peak output Power at antenna input terminal	40.82	dBm
Max Peak output Power at antenna input terminal	12 078.14	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.3808	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C] (Contiguous)

Max Peak output Power at antenna input terminal	37.72	dBm
Max Peak output Power at antenna input terminal	5 915.62	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.1482	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR(20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[3C] (Contiguous)

Max Peak output Power at antenna input terminal	42.99	dBm
Max Peak output Power at antenna input terminal	19 906.73	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.6277	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR(30 MHz 1C + 30 MHz 1C + 10 MHz 1C)[3C] (Contiguous)

Max Peak output Power at antenna input terminal	43.48	dBm
Max Peak output Power at antenna input terminal	22 284.35	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.8846	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[3C] (Contiguous)

Max Peak output Power at antenna input terminal	42.05	dBm
Max Peak output Power at antenna input terminal	16 032.45	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.5055	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(20 MHz 1C + 15 MHz 1C + 15 MHz 1C)[3C] (Contiguous)

Max Peak output Power at antenna input terminal	43.01	dBm
Max Peak output Power at antenna input terminal	19 998.62	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.6306	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[3C] (Contiguous)

Max Peak output Power at antenna input terminal	43.77	dBm
Max Peak output Power at antenna input terminal	23 823.19	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.7512	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[4C] (Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)[5C] (Contiguous)

Max Peak output Power at antenna input terminal	43.48	dBm
Max Peak output Power at antenna input terminal	22 284.35	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.8846	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)[5C] (Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)[5C] (Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C[5C]

(Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C[5C] (Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR(60 MHz 1C + 30 MHz 1C)[2C] (Non-Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE(15 MHz 1C + 15 MHz 1C)[2C] (Non-Contiguous)

Max Peak output Power at antenna input terminal	40.82	dBm
Max Peak output Power at antenna input terminal	12 078.14	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.3808	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE 5 MHz 1C + NR 10 MHz 1C[2C] ((Non-Contiguous)

Max Peak output Power at antenna input terminal	37.72	dBm
Max Peak output Power at antenna input terminal	5 915.62	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	11.00	dBi
Antenna Gain(numeric)	12.589	-
Power density at prediction frequency(S)	0.1482	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR[20 MHz 1C + (20 MHz 1C + 10 MHz 1C)][3C(1C+2C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	42.99	dBm
Max Peak output Power at antenna input terminal	19 906.73	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.6277	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR[(20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][3C(2C+1C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	42.99	dBm
Max Peak output Power at antenna input terminal	19 906.73	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.6277	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR[30 MHz 1C + (30 MHz 1C + 10 MHz 1C)][3C(1C+2C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	43.48	dBm
Max Peak output Power at antenna input terminal	22 284.35	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.8846	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR[(30 MHz 1C + 30 MHz 1C) + 10 MHz 1C][3C(2C+1C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	43.48	dBm
Max Peak output Power at antenna input terminal	22 284.35	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.8846	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[15 MHz 1C + (15 MHz 1C + 10 MHz 1C)][3C(1C+2C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	42.05	dBm
Max Peak output Power at antenna input terminal	16 032.45	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.5055	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][3C(2C+1C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	42.05	dBm
Max Peak output Power at antenna input terminal	16 032.45	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.5055	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[20 MHz 1C + (15 MHz 1C + 15 MHz 1C)][3C(1C+2C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	43.01	dBm
Max Peak output Power at antenna input terminal	19 998.62	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.6306	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(20 MHz 1C + 15 MHz 1C) + 15 MHz 1C][3C(2C+1C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	43.01	dBm
Max Peak output Power at antenna input terminal	19 998.62	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.6306	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C)][3C(1C+2C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	43.77	dBm
Max Peak output Power at antenna input terminal	23 823.19	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.7512	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][3C(2C+1C)] (Non-Contiguous)

Max Peak output Power at antenna input terminal	43.77	dBm
Max Peak output Power at antenna input terminal	23 823.19	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	12.00	dBi
Antenna Gain(numeric)	15.849	-
Power density at prediction frequency(S)	0.7512	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][4C(1C+3C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][4C(3C+1C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[15 MHz 1C + (15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	43.48	dBm
Max Peak output Power at antenna input terminal	22 284.35	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.8846	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(15 MHz 1C + 15 MHz 1C + 15 MHz 1C + 15 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	43.48	dBm
Max Peak output Power at antenna input terminal	22 284.35	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.8846	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 10 MHz 1C)][5C(1C+4C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 10 MHz 1C][5C(4C+1C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[20 MHz 1C + (20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C)][5C(1C+4C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS LTE[(20 MHz 1C + 20 MHz 1C + 20 MHz 1C + 20 MHz 1C) + 20 MHz 1C][5C(4C+1C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.00	dBm
Max Peak output Power at antenna input terminal	25 118.86	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9971	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 40 MHz 1C + (NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C + LTE 10 MHz 1C)[5C(1C+4C)]
(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS (NR 40 MHz 1C + NR 20 MHz 1C + NR 20 MHz 1C + LTE 10 MHz 1C) + LTE 10 MHz 1C [5C(4C+1C)]
(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS NR 40 MHz 1C + (NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C + LTE 5 MHz 1C)[5C(1C+4C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²

- CBRS (NR 40 MHz 1C + NR 10 MHz 1C + LTE 20 MHz 1C + LTE 5 MHz 1C) + LTE 5 MHz 1C[5C(4C+1C)]

(Non-Contiguous)

Max Peak output Power at antenna input terminal	44.01	dBm
Max Peak output Power at antenna input terminal	25 176.77	mW
Prediction distance	200.00	cm
Prediction frequency	3 550.00	MHz
Antenna Gain(typical)	13.00	dBi
Antenna Gain(numeric)	19.953	-
Power density at prediction frequency(S)	0.9994	mW/cm ²
MPE limit for uncontrolled exposure at prediction frequency	1.0000	mW/cm ²