FCC ID: 2AEUPBHABN002
MPE limits for FCC, 1.1310

Mode	Frequency	Duty Cycle	Power	Antenna Gain	EIRP[1]	EIRP	Distance D	PD[2]	PD Limit	Margin	2.1091 EIRP Limit	2.1091 EIRP Margin	PD/PD Limit
	MHz	%	dBm	dBi	dBm	mW	cm	mW/m^2	mW/cm^2	dB	mW	dB	
Zwave	908.4	100	-2.33	0.8	-1.53	1	20	0.00014	0.61	36.4			**0.00023**
FHSS	902.2	100	11.27	3.1	14.4	27	20	0.0054	0.60	20.4			**0.00905**
BLE	2402	100	8.37	5.8	14.2	26	20	0.0052	1.0	22.8			0.00520
Zigbee	2405	100	17.51	4.8	22.3	170	20	0.034	1.0	14.7			**0.03386**
Wifi 2.4G	2412	100	13.5	5.8	19.3	85	20	0.017	1.0	17.7			0.01693
Wifi 5G	5180	100	14.0	5.6	19.6	91	20	0.018	1.0	17.4			**0.01814**
Wifi 5G	5260	100	13.9	5.6	19.5	89	20	0.018	1.0	17.5			0.01773
Wifi 5G	5500	100	13.6	5.6	19.2	83	20	0.017	1.0	17.8			0.01655
Wifi 5G	5745	100	11.9	5.6	17.5	56	20	0.011	1.0	19.5			0.01124
LTE[3,4]	699	100	24.5	2.8	27.3	537	20	0.11	0.47	6.40	2455	6.60	**0.22927**
LTE[3,4]	777	100	24.5	2.8	27.3	537	20	0.11	0.52	6.86	2455	6.60	0.20625
LTE[3,4]	824	100	24.5	1.7	26.2	417	20	0.08	0.55	8.21	2455	7.70	0.15097
LTE[3,4]	1710	100	24.5	3.8	28.3	676	20	0.13	1.00	8.71	4910	8.61	0.13450
LTE[3,4]	1850	100	24.5	3.6	28.1	646	20	0.13	1.00	8.91	4910	8.81	0.12845
	FCC Co-Location =	**0.00023**	+	**0.00905**	+	**0.03386**	+	**0.01814**	+	**0.22927**	=	**0.29**	**<1**

IC: 20271-BHABN002; HVIN: Base Station NA
MPE limits for Innovation, Science and Economic Development Canada, RSS-102 Issue 5

Mode	Frequency	Duty Cycle	Power	Antenna Gain	EIRP[1]	EIRP	Distance D	PD[2]	PD Limit	Magin	PD/PD Limit	Exemption Limit	Exemption Margin
	MHz	%	dBm	dBi	dBm	W	m	W/m^2	W/m^2	dB		EIRP W	dB
Zwave	908.4	100	-2.33	0.8	-1.5	0.001	0.2	0.001	2.75	32.94	**0.00051**	1.377	32.9
FHSS	902.2	100	11.27	3.1	14.4	0.027	0.2	0.05	2.74	17.02	**0.01986**	1.371	17.0
BLE	2402	100	8.37	5.8	14.2	0.026	0.2	0.05	5.35	20.13	0.00971	2.676	20.1
Zigbee	2405	100	17.51	4.8	22.3	0.170	0.2	0.34	5.36	11.99	**0.06323**	2.679	12.0
Wifi 2.4G	2412	100	13.5	5.8	19.3	0.085	0.2	0.17	5.37	15.01	0.03156	2.684	15.0
Wifi 5G	5180	100	14.0	5.6	19.6	0.091	0.2	0.181	9.05	16.98	**0.02005**	4.525	17.0
Wifi 5G	5260	100	13.9	5.6	19.5	0.089	0.2	0.177	9.14	17.12	0.01939	4.573	17.1
Wifi 5G	5500	100	13.6	5.6	19.2	0.083	0.2	0.165	9.43	17.56	0.01756	4.714	17.5
Wifi 5G	5745	100	11.92	5.6	17.5	0.056	0.2	0.112	9.71	19.37	0.01157	4.857	19.3
LTE[3,4]	699	100	24.5	2.8	27.3	0.537	0.2	1.07	2.30	3.33	**0.46417**	1.151	3.3
LTE[3,4]	777	100	24.5	2.8	27.3	0.537	0.2	1.07	2.47	3.65	0.43180	1.238	3.6
LTE[3,4]	824	100	24.5	1.7	26.2	0.417	0.2	0.83	2.58	4.92	0.32200	1.288	4.9
LTE[3,4]	1710	100	24.5	3.8	28.3	0.676	0.2	1.35	4.24	4.99	0.31708	2.122	5.0
LTE[3,4]	1850	100	24.5	3.6	28.1	0.646	0.2	1.28	4.48	5.42	0.28695	2.239	5.4
	Canada Co-Location =	**0.00051**	+	**0.01986**	+	**0.06323**	+	**0.02005**	+	**0.46417**	=	**0.57**	**<1**

[1]EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)
[2]PD = EIRP / ($4x\pi xD^2$)
[3]FCC ID: XMR201807EG91NA / IC: 10224A-2018EG91NA
[4]TA Technology MPE Report No. R1805A0250-M1