

FCC ID: APV-1300MB
FCC 1.1310 General Population/Uncontrolled Exposure

	Frequency	Power	Power	Duty Cycle	Average Power	Antenna Gain	EIRP ¹	EIRP	Distance D	PD ²	Limit ³	Margin	PD/Limit	
LTE Band	MHz	W	dBm	dB	dBm	dBi	dBm	mW	cm	mW/m^2	mW/cm^2	dB		
71	663.2	0.113	20.53	0.0	20.53	1.6	22.1	163	20	0.0325	0.442	11.3	0.0735	
12	699.2	0.116	20.64	0.0	20.64	1.6	22.2	168	20	0.0334	0.466	11.5	0.0716	
85	700.5	0.138	21.40	0.0	21.40	1.6	23.0	199	20	0.0397	0.467	10.7	0.0850	
13	777.2	0.115	20.61	0.0	20.61	1.6	22.2	166	20	0.0331	0.518	12.0	0.0638	
26	814.7	0.114	20.57	0.0	20.57	1.6	22.2	165	20	0.0328	0.543	12.2	0.0604	
5	824.2	1.675	32.24	-3.0	29.24	1.6	30.8	1213	20	0.241	0.549	3.6	0.439	
4	1710.7	0.121	20.83	0.0	20.83	3.1	23.9	247	20	0.0491	1.00	13.1	0.0491	
66	1710.7	0.105	20.21	0.0	20.21	3.1	23.3	214	20	0.0427	1.00	13.7	0.0427	
2	1850.2	0.962	29.83	-3.0	26.83	3.1	29.9	984	20	0.196	1.00	7.1	0.196	
25	1850.7	0.101	20.04	0.0	20.04	3.1	23.1	206	20	0.0410	1.00	13.9	0.0410	
BLE	2402	0.00305	4.85	0.0	4.85	1.88	6.73	4.71	20	0.000937	1.00	30.3	0.000937	
sum of PD ratio =								0.439	+	0.000937	=	0.440	≤	1

IC: 5843C-1300MB HVIN: LMU1300MB
CANADA RSS-102, Issue 5 General Population/Uncontrolled Exposure

	Frequency	Power	Power	Duty Cycle	Average Power	Antenna Gain	EIRP ¹	EIRP	Distance D	PD ²	Limit ³	Margin	PD/Limit	Exemption Limit ⁴
LTE Band	MHz	W	dBm	dB	dBm	dBi	dBm	W	m	W/m^2	W/m^2	dB		W
71	663.2	0.113	20.53	0.0	20.53	1.6	22.1	0.163	0.2	0.325	2.22	8.35	0.146	1.11
12	699.2	0.116	20.64	0.0	20.64	1.6	22.2	0.168	0.2	0.334	2.30	8.39	0.145	1.15
85	700.5	0.138	21.40	0.0	21.40	1.6	23.0	0.199	0.2	0.397	2.31	7.64	0.172	1.15
13	777.2	0.115	20.61	0.0	20.61	1.6	22.2	0.166	0.2	0.331	2.47	8.74	0.134	1.24
5	824.2	1.675	32.24	-3.0	29.24	1.6	30.8	1.213	0.2	2.41	2.58	0.28	0.937	1.29
4	1710.7	0.121	20.83	0.0	20.83	3.1	23.9	0.247	0.2	0.491	4.24	9.36	0.116	2.12
66	1710.7	0.105	20.21	0.0	20.21	3.1	23.3	0.214	0.2	0.427	4.24	9.98	0.101	2.12
2	1850.2	0.962	29.83	-3.0	26.83	3.1	29.9	0.984	0.2	1.96	4.48	3.59	0.437	2.24
25	1850.7	0.101	20.04	0.0	20.04	3.1	23.1	0.206	0.2	0.410	4.48	10.38	0.0916	2.24
BLE	2402	0.00305	4.85	0.0	4.85	1.88	6.73	0.00471	0.2	0.00937	5.35	27.57	0.00175	2.68
sum of PD ratio =								0.937	+	0.00175	=	0.939	≤	1.00

¹EIRP = Power dBm + Antenna Gain dBi

²Power Density PD = EIRP / (4x πx D²) [Health Canada Technical Guide - Safety Code 6_2015, Eq 5-6 at 5.2; OET Bulletin 65, Edition 97-01, August 1997, Eq (4)]

³RSS-102 Issue 5 Table 4; FCC 1.1310 Table 1

⁴RSS-102 Issue 5 at 2.5.2