

Exhibit MPE Calculation (mobile)

Effective Isotropic Radiated Power

The EUT's radiated power is computed from antenna port conducted power measurements and the gain of the EUT antenna(s). Peak conducted output power was measured directly from the EUT at the port where the antenna attaches. The test receiver bandwidth was set to be greater than the measured emission bandwidth of the EUT to capture the true peak. Antenna gain is either provided directly by the antenna manufacturer or measured by comparison between calculated EIRP and conducted output

USA REF:	1.1310, 2.1091/1093, 447498 D01 General RF Exposure Guidance v06	Test Date:	4/22/2020
IC REF:	RSS-102 Issue 5, Safety Code 6	Test Engineer:	Gordon Helm
Min. Sep.		EUT:	Elkhart Brass GW
Distance:	20 cm (Mobile)	EUT Mode:	Worst Case

		Exposure	Worst Case Po/EIRP**		PD+	FCC MPE limit++	ISED MPE Exemption+++
Freq.	Worst Case E3(Avg)*	Duty	dBm	mW	mW/cm^2	mW/cm^2	W
MHz	dBm	dB					
903	18	-15.9	2.1	1.622	0.00032	0.602	1.371
915	19.1	-15.9	3.2	2.065	0.00041	0.610	1.384
926.3	16.9	-15.9	1	1.259	0.00025	0.618	1.396

*As Measured / Computed from highest fundamental emission, see fundamental emission section of this report.

**maximum of either EIRP or Pout as measured.

+ PD= EIRP/(4πR^2)

++ FCC MPE (power density) limit = $f_{\text{MHz}}/1500$ (mW/cm^2). (section 2.5.2)

+++ ISED MPE Exemption Level= $1.31 \times 10^{-2} f^{0.6834}$ W (section 4 Table 4)