

Exhibit MPE Calculation / RF Exposure

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). Where the EUT is not sold with an antenna connector, a modified product has been provided including such. 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 power. Table 6 details the results of these measurements.

Table 6: Radiated Power Results

USA REF: 1.1310, 2.1091/1093, 447498 D01 General RF Exposure Guidance v06
IC REF: RSS-102 Issue 5, Safety Code 6
Min. Sep. Distance: 20 cm (Mobile)

17-Apr-19
 Gordon Helm
 Connect Sense
 Worst Case
 3 meters

Mode	Freq. MHz	Worst Case E3(Avg)* dBuV/m	E20cm(Avg) dBuV/m	H20cm(Avg) dBuA/m	SC6 Limit (H20cm) dBuA/m	Worst Case ISSED MPE Ratio	H20cm Limit*** dBuA/m	Worst Case FCC MPE Ratio
Mode	Freq. MHz	Worst Case EIRP(Avg)** dBm	E20cm(Avg) dBuV/m	S20cm(Avg)**** mW/cm2	SC6 Limit (S20cm) mW/cm2	Worst Case ISSED MPE Ratio	S Limit mW/cm2	Worst Case FCC MPE Ratio
BLE (CW)	2402.00	8.0	126.7	0.00126	5.351	0.00023	1.000	0.00126
BLE (CW)	2440.00	7.8	126.5	0.00120	5.409	0.00022	1.000	0.00120
BLE (CW)	2480.00	7.3	126.0	0.00107	5.469	0.00020	1.000	0.00107
WLAN (CW) – B/G/N	2412.00	20.9	139.6	0.02448	5.366	0.00456	1.000	0.02448
WLAN (CW) – B/G/N	2437.00	19.7	138.4	0.01857	5.404	0.00344	1.000	0.01857
WLAN (CW) – B/G/N	2462.00	19.1	137.8	0.01617	5.442	0.00297	1.000	0.01617
					MPE Total (<1):	0.00456	MPE Total (<1):	0.02448
					Complies?	Yes	Complies?	Yes

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

**maximum of either EIRP or Pout + 0 dBi as measured.

*** For FCC MPE, use of 300 kHz limit for signals below 300 kHz as previously requested by FCC.

BLE and WiFi do not transmit simultaneously.