

Technical Brief - Exemption from Routine Evaluation Limits – SAR Evaluation

As detailed in RSS 102, section 2.5, the information contained in this RF exposure technical brief is limited to information that demonstrates how the output power of the device was derived to justify the exemption from the routine evaluation.

The output power and operating frequency of the device are:

Frequency	Average Power	
	Conducted	EIRP
2 480 MHz (Bluetooth)	4.0 dB m	4.12 dB m (2.58 mW)
■ The power and eirp were derived from measurement of output power at the antenna port and nominal antenna gain specified by the antenna manufacturer. □ The eirp was derived from a field strength measurement of the fundamental signal which was converted to an eirp using the free space equation $E = \sqrt{(30PG)/d}$.		

The Minimum Separation distance: 0 mm

Thresholds (Devices used within 20cm of the user and/or bystanders) –RSS 102 Table 1

Frequency (MHz)	Exemption Limits (mW) at separation distance of									
	≤5mm	10mm	15mm	20mm	25mm	30mm	35mm	40mm	45mm	≥50mm
≤300	71mW	101mW	132mW	162mW	193mW	223mW	254mW	284mW	315mW	345mW
450	52mW	70mW	88mW	106mW	123mW	141mW	159mW	177mW	195mW	213mW
835	17mW	30mW	42mW	55mW	67mW	80mW	92mW	105mW	117mW	130mW
1900	7mW	10mW	18mW	34mW	60mW	99mW	153mW	225mW	316mW	431mW
2450	4mW	7mW	15mW	30mW	52mW	83mW	123mW	173mW	235mW	309mW
3500	2mW	6mW	16mW	32mW	55mW	86mW	124mW	170mW	225mW	290mW
5800	1mW	6mW	15mW	27mW	41mW	56mW	71mW	85mW	97mW	106mW