

SECTION RF Exposure

1. SUMMARY OF TEST RESULTS

Requirements	FCC Rule	IC Rule	Compliance
RF Exposure evaluation	1.1310 2.1093	RSS-102 Issue5	Complied

2. MPE Evaluation

2.1 Test Results - Complied

- SAR test exclusion thresholds (FCC)

Mode	Frequency (MHz)	Conducted Output Power (dBm)	Conducted Output Power (mW)	Min. Test Separation Distance (mm)	SAR Test Exclusion Thresholds ≤ 7.5 for 10-g SAR
GFSK_1 Mbps	2 480	2.00	1.58	5.00	0.50

= [(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)]

Bluetooth Low Energy = [(1.58)/(5)] · [√2.480] = 0.50

- Calculation Result of RF Exposure (IC)

Mode	Frequency (MHz)	Max Tune up Power (dB)	Antenna Gain (dBi)	E.I.R.P (dBm)	E.I.R.P (mW/)	Min. Test Separation Distance (mm)	Limit (mW/)
GFSK 1 Mbps	2 480	2.00	2.998	4.998	3.161	5.00	4

Note 1): e.i.r.p. (dBm) = Conducted output power(dBm) + Antenna gain(dBi)

- Target power and Tolerance, Max tune up power

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dB)	Max Tune up Power (dBm)	Average Power (dBm)	Measured Average Power (dBm)
GFSK 1 Mbps	2 402	0.0	±2.0	2.0	1.44	-0.58
	2 440	0.0	±2.0	2.0	1.00	-1.02
	2 480	0.0	±2.0	2.0	-0.21	-2.23
GFSK 2 Mbps	2 402	0.0	±2.0	2.0	1.37	-3.43
	2 440	0.0	±2.0	2.0	0.93	-3.87
	2 480	0.0	±2.0	2.0	-0.31	-5.11

Note 1): Average Power(dBm) = Measured Average Power(dBm) + D.C.C.F(dB)

Note 2): Measured Average Power was tested by Power meter & sensor(VBW = 50 MHz)



Total Quality. Assured.

2.2 RF Exposure Compliance Issue

Therefore, EUT is not required the SAR Evaluation.