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COMMERCIAL-IN-CONFIDENCE

# SAR EXCLUSION DOCUMENT

**Document 75951962-02 Issue 02**

**2402 - 2480 MHz Transmitter:**

ISED RSS-102 Issue 5: Exemption Limits for Routine Evaluation – RF Exposure Evaluation (RSS-102 Section 2.5.2)

Up to 6 GHz – Separation Distance >200 mm

The RF exposure evaluation exemption is determined by comparison of the output power level (adjusted for tune-up tolerance) to the requirements given in RSS-102 2.5.2.

SAR Exclusion Result:

Frequency (MHz)	Power Output mW	Antenna Gain Ratio	Duty Cycle %	Maximum Power EIRP (Tune up Value) * (mW)	Test Separation Distance (mm) **	Exemption Limit *** (mW)	RF Evaluation Exclusion (Yes/No)
2402	6.310	2.512	100	15.849	201	2676.4	Yes
2480	6.310	2.512	100	15.849	201	2735.5	Yes

\* Maximum power tune up value is adjusted for any tolerance and is the equivalent isotropically radiated power (EIRP) source-based, time-averaged output power of the device.

\*\*Test separation distance refers to the minimum test separation distance based on the smallest distance between the antenna and radiating structures or the outer surface of the device, according to the most conservative exposure condition for the applicable module or host platform test procedure requirements, to any part of the body or extremity of a user or bystander.

\*\*\* Select power from RSS-102 paragraph 2.5.2 for the applicable frequency.

The RF exposure exclusion threshold has been evaluated using the method described above from information supplied by the manufacturer. Based on the evaluation above, the EUT is categorically excluded from RF exposure testing.

**This document has been up-issued to Issue 2 to include an amended application form.**

Approved by   
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**Ryan Henley**  
 Authorised Signatory

Date 5 July 2021



Manufacturer's Declaration of Product information:

Equipment Description

Technical Description: <i>(Please provide a brief description of the intended use of the equipment)</i>	The BTM-1254 Stereo Audio Module uses a Qualcomm-QCC5125 chip with 64M Flash.
Manufacturer:	Rayson Technology Co., Ltd.
Model:	BTM-1254
Part Number:	BTM-1254

If more than one frequency band is supported, please confirm which combinations of bands are capable of Simultaneous Transmit.	Classic Bluetooth only.
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Frequency Band 1:

Antenna Model:	Inverted-L PCB conductor	
Antenna length:	1.1 and 1.6	cm
Bottom frequency:	2402	MHz
Middle frequency:	2442	MHz
Top frequency:	2480	MHz

Maximum power (input to the antenna including a tolerance):	8	dBm
Antenna gain (or maximum gain allowed):	4	dBi

Separation distance from antenna to the user/bystander	>20	cm
Transmitter Duty Cycle:	50	%

I hereby declare that the information supplied is correct and complete.

Name: Ashley Harper  
Position held: Compliance Engineer  
Date: 21 April 2021