

RF Exposure Evaluation Report

1 RF EXPOSURE

Product Name	Bluetooth Module
Model No.	MY-BT_Player, MY-Bluetooth
FCC ID	2AVWVMYZRBT001

1.1 LIMITS

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{\text{(max. power of channel, including tune-up tolerance, mW)}}{\text{(min. test separation distance, mm)}} \right] \cdot \sqrt{f(\text{GHz})} \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- ☐ $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- ☐ Power and distance are rounded to the nearest mW and mm before calculation¹⁷
- ☐ The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

1.2 EUT RF EXPOSURE EVALUATION

Operational Mode: EDR (pi/4DQPSK worst case)						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402MHZ	3.61	±1	4.61	2.89	0.90	3.0
2441MHz	3.54	±1	4.54	2.84	0.89	
2480MHz	3.46	±1	4.46	2.79	0.88	
Operational Mode: BLE						
2402 MHZ	2.98	±1	3.98	2.50	0.78	3.0
2442 MHZ	3.01	±1	4.01	2.52	0.79	
2480 MHZ	2.83	±1	3.83	2.42	0.76	
Conclusion: the calculated value ≤3.0, SAR is exempted.						