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Maximum RF Exposure Evaluation

FCC ID: 2BAYF-R916

According to KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

EUT Specification

Product Name:	Bluetooth headphones with microphone
Trade Mark:	Rydohi
Model/Type reference:	R916
Listed Model(s):	916
Frequency band (Operating)	☐BT/EDR: 2.402GHz ~ 2.480GHz ☒BLE: 2.402GHz ~ 2.480GHz ☐WLAN: 2.412GHz ~ 2.462GHz ☐Others:
Device category	☒Portable (<5mm separation) ☐Mobile (>20cm separation) ☐Fixed (>20cm separation) ☐Others ___
Antenna diversity	☒Single antenna ☐Multiple antennas ☐Tx diversity ☐Rx diversity ☐Tx/Rx diversity
Antenna gain (Max)	1.90dBi
Evaluation applied	☒RF Exposure Evaluation ☐SAR Evaluation

Limit

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [$\sqrt{f_{(GHz)}}$] ≤ **3.0**

Where

-$f_{(GHz)}$ is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-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 according to 4.1 f) is applied to determine SAR test exclusion.

Measurement Result

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Tune up tolerance (dBm)	Max. Tune up Power (dBm)	Calculation Value	Limit
BLE	2402	1.9	1.85	1±1	2	0.495	3.000

Note

For a more detailed features description, please refer to the RF Test Report.

**************************THE END*************************