

## SAR EXCLUSION JUSTIFICATION

This device FCC ID: EF400155 is excluded from SAR testing by the following justification

The maximum power that the transmitter is capable Applied duty 11.59 mW

of is

cycle?

yes

Using the following formula from section 4.3.1 of KDB at test separation distances ≤ 50 mm 447498

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

When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Duty Cycle	
25.29%	

Max Peak Power (dBm)	Min Separation distance (mm)*	Frequency (GHz)
16.61	5	0.922

Value	
2.23	

<sup>&</sup>quot;Value" shall be ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

< 50mm power limits for above frequency and distance 1-g power limit 10-g power limit 156 391

"source-based" time-averaging based on an inherent property or duty-cycle of a device is allowed. An example of this is the determination of exposure from a device that uses digital technology such as a time-division multipleaccess (TDMA) scheme for transmission

In the case the ACK is received after first transmission: (25.29%)

**Packet Transmission Time** 

Packet Transmission Time + Turnaround Time

Maximum Size Packet Transmission Time = 3.047 ms/packet Turnaround Time = 9ms

In the case the ACK is missed after first transmission: (25.29%)

Packet Transmission Time + Packet Transmission Time

Packet Transmission Time + Turnaround Time + Packet Transmission Time + Turnaround Time

Maximum Size Packet Transmission Time = 3.047 ms/packet Turnaround Time & ACK Listen = 9ms

