Laboratories GSD SRL

CE **MARKING**

ELECTROMAGNETIC COMPATIBILITY
ELECTRICAL SAFETY
LASER SPECTROSCOPY
ENVIRONMENTAL PHYSICS

G.S.D. S.r.l.
Certified in accordance with
UNI EN ISO 9001:2008
by
TÜV Rheinland Italia S.r.l.
Certificate N. 39 00 1850509

G.S.D. S.r.l PISA - Italy	***Test Report n. 16767mpe***	Rev. 01

Manufacturer	MOTION S.P.A.
Address	Via Biondini 27 47121 Forlì (FC) Italy
Test Family Name	PTR6100M -- nRF24L01+
FCC ID	2AJ5S0001
IC ID	22061-0001
Testing Laboratory Name	G.S.D. S.r.l.
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1. MAXIMUM PERMISSIBLE EXPOSURE

Prediction of RF Exposure were calculated accordingly to KDB 447498 D01v06

Result

Per KDB 447498 D01 v06

For 100 MHz to 6 GHz and *test separation distances* ≤ 50 mm, the 1-g and 10-g *SAR test exclusion thresholds* are determined by the following:

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

· [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR, 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 result is rounded to one decimal place for comparison.
- The values 3.0 and 7.5 are referred to as *numeric thresholds* in step b)

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.

d (distance) = 5 mm
f = 2.4 GHz
$\sqrt{f_{(GHz)}}$ = 1.55
P_{max} = 2.512 mW

Conclusion: accordingly to KDB 447498 D01v06 exclusion threshold is 0.77 < 3, RF exposure evaluation is not required.