

RF Exposure Assessment

Product	ComTac headset
Name and address of the applicant	3M Svenska AB Box 2341 Värnamo 331 02 Sweden
Name and address of the manufacturer	3M Svenska AB Box 2341 Värnamo 331 02 Sweden
Model	MT14H419A (ComTac IX)
Rating	915 MHz DTS transceiver
Trademark	3M Peltor
Additional information	All tests were performed using fresh batteries
Evaluated according to	FCC Part 1.1307(b) RF Exposure Assessment FCC KDB 447498 D01 v06 General RF Exposure Guidance
Order number	PRJ0074312
Issue date	2025-11-11
Name and address of the testing laboratory	 Nemko Scandinavia AS Instituttveien 6 2007 Kjeller, Norway www.nemko.com CAB Number: FCC: NO0001 ISED: NO0470 ISED No: 2040D-1   An accredited technical test executed under the Norwegian accreditation scheme
 Jan G Eriksen CN=Jan G Eriksen, OU=Senior Engineer, O=Nemko Scandinavia AS, E=jangunnar.eriksen@nemko.com, C=NO 2025.11.10 10:25:25 +01'00'  Digitally signed by Frode Sveinsen DN: cn=Frode Sveinsen, c=NO, o=Nemko Scandinavia AS, ou=ETM, email=frode.sveinsen@nemko.com Date: 2025.11.12 09:20:20 +01'00' Prepared by [Jan G Eriksen] Approved by [Frode Sveinsen]	
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Revision history

Revision	Date	Comment	Sign
A	2025-11-11	First Edition	JGER

GENERAL REMARKS

This report applies only to the sample(s) tested. It is the manufacturer's responsibility to ensure the additional production units of this product are manufactured with identical electrical and mechanical components. The manufacturer is solely responsible for any modifications to the product that could result in non-compliance with the relevant regulations.

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1 Exposure Evaluation

1.1 EUT Technical Information

Name	MT14H419A (ComTac IX)
FCC ID	Y9ZMT14H419
Model/version	MT14H419A (ComTac IX)
Serial number	Conducted: 1000000000011 Radiated: 1000000000026
Hardware identity and/or version	K501A
Software identity and/or version	K501-st-application-1.0.0 For tests K501-st-application-0.0.0.148 software with test modes was used.
Frequency Range	915.5 MHz
Operating Modes	TX 915 MHz, modulated
Type of Modulation	GFSK
User Frequency Adjustment	None
Emission Class	F1E
Type of Power Supply	Internal Batteries (2 x 1.5V)
Antenna Type	PCB
Number of Antennas	1
Maximum Transmitted Power	+3.3 dBm *)
Prediction Distance (declared)	0.5 cm

*) Radiated Power was calculated from measured Field Strength using the method described in ANSI C63.10-2020 Annex G – Formula G.2.

1.2 Evaluation Summary

The EUT has been evaluated to FCC 1.1307(b) and has been found to be exempt from SAR Evaluation.

FCC 1.1307(b)(3)(i)(B)			
Determination of Exemption for Single RF Sources			
Average Output Power, Conducted		1.66	mW
Average Output Power, Radiated		2.14	mW
Separation Distance d (cm)(valid for $d \leq 40$ cm)	d (cm)	0.5	cm
Frequency f (GHz) (valid for $f \geq 300$ MHz and $f \leq 6$ GHz)	f (GHz)	0.9155	GHz
ERP @20cm (mW)	ERP _{20cm}	1867.62	mW
value used in Threshold calculation	x	1.47	
Threshold value at Separation distance d (mW)	P _{th} (mW)	8.13	mW
Verdict:		EXEMPTED	

The above calculation is based on the formulas from FCC Part 1.1307(b)(3)(B).

Radiated Output Power values are from Nemko Test Report REP119753.

The evaluation is valid at the declared separation distance of 0.5.