

SAR ATTESTATION

KDB 447498 D01 General RF Exposure Guidance v06 (October 23, 2015)

1. Declaration of RF exposure compliance for exemption from routine evaluation limits

Applicant:	Multiplex Modellsport GmbH & Co. KG Westliche Gewerbestr. 1 D-75015 Bretten-Gölshausen Germany
FCC ID:	2APABCOCPITSX
Model number:	Cockpit SX9 Trinity
Manufacturer:	Multiplex Modellsport GmbH & Co. KG Westliche Gewerbestr. 1 D-75015 Bretten-Gölshausen Germany
Nemko identification no.:	347031-002
4.3.1. (b) Standalone SAR test exclusion considerations:	<p>During normal operation, user extremities can come within 20 cm of the internal antenna and therefore product is considered as "Portable".</p> <p>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: $\{[Power\ allowed\ at\ numeric\ threshold\ for\ 50\ mm\ in\ 4.31.\ (a)] + [(test\ separation\ distance - 50\ mm) \times 10]\}$ mW, for > 1500 MHz and ≤ 6 GHz</p> <p>Calculation based on the above formula: Separation Distance = 68mm - 10mm = 58mm; Frequency = 2480.0 GHz Radiated Output Power = 92 mW rounded to 1mW</p> <p>Calculation (1g values used): $\{[95.25] + [((68 - 10) - 50)] \cdot 10\}$ mW = 175.25 mW > 92 mW</p> <p>The result of the above SAR threshold calculation demonstrates that the result is less than the 1-g numeric threshold of 3 and the 10-g numeric threshold of 7.5. This is a limb-worn device where the 10-g threshold applies.</p> <p>Conclusion: The above analysis shows that the evaluated device qualifies for exemption from SAR testing.</p>

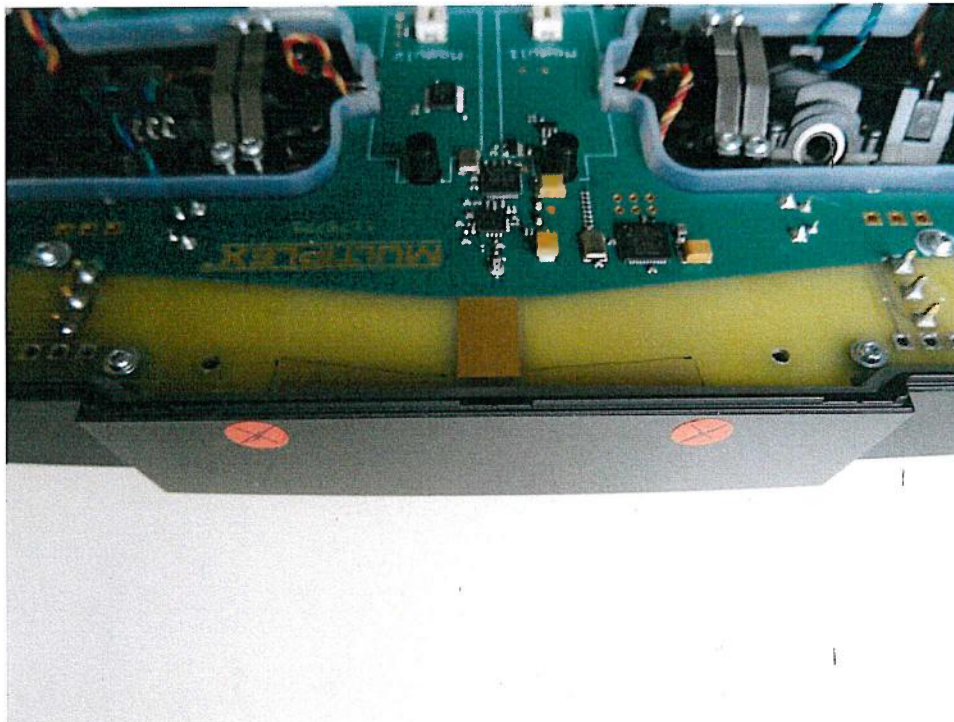
2. Attestation

ATTESTATION: I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

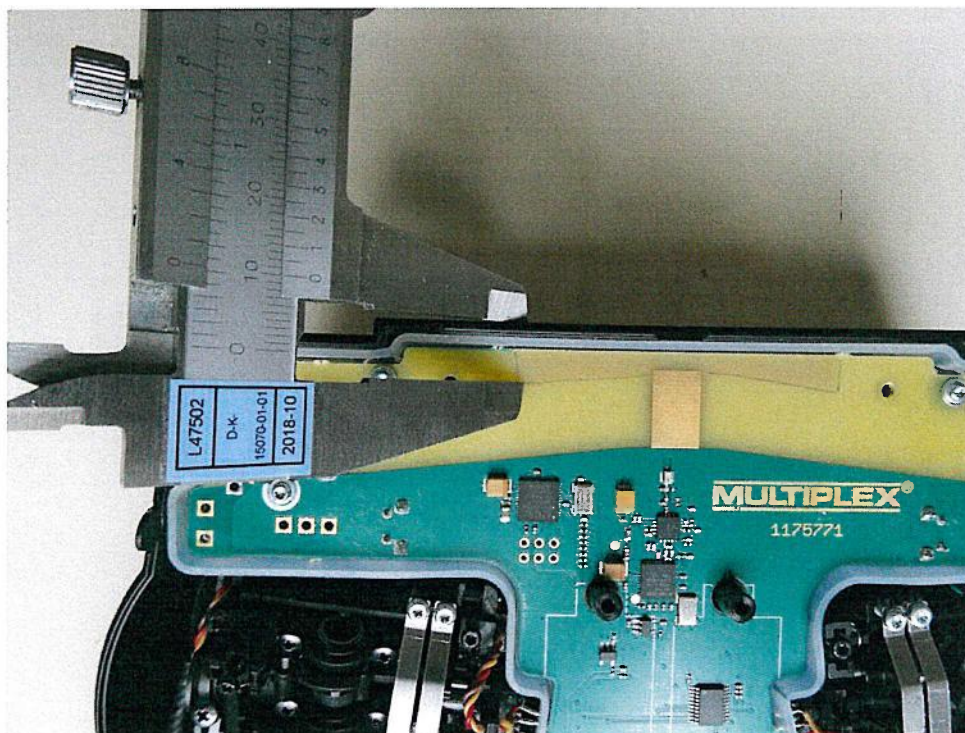
Signature:	
Date:	November 30, 2018
Name:	Markus Korny, EMC Specialist



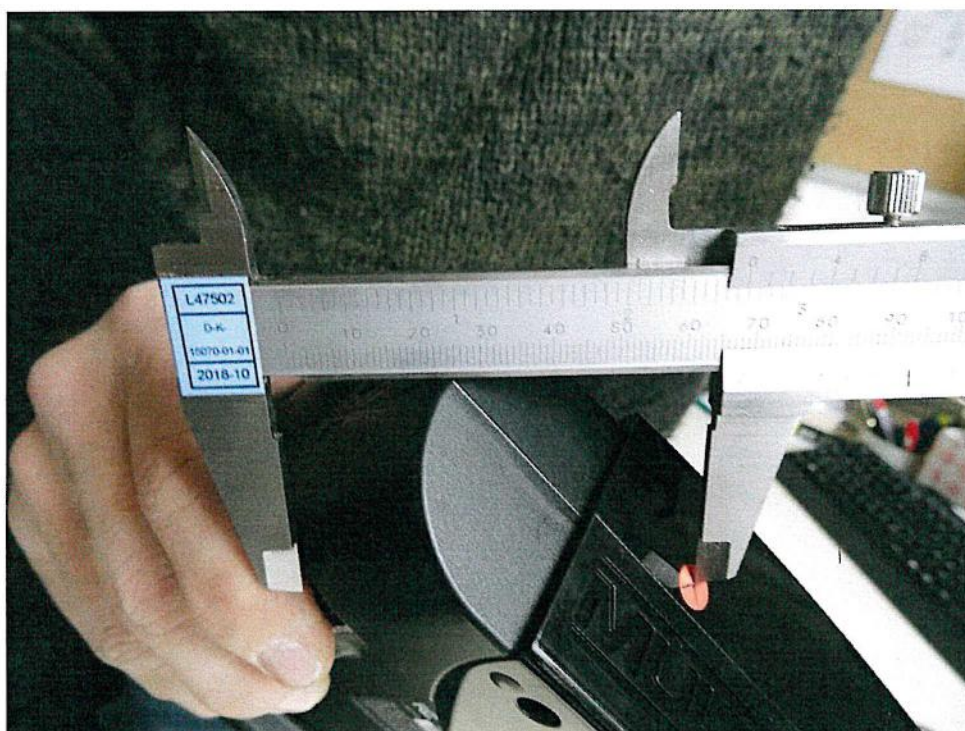
Picture 1: typical use case



Picture 2: PCB-Antenna, reference points



Picture 2: PCB-Antenna, inner distance to reference point 10mm



Picture 2: PCB-Antenna, distance, outside reference point to closest finger is 68mm