

**Tab. 1: Risk analysis in relation to the essential requirements of the RED 2014/53/EU**

<b>§</b>	<b>RED 2014/53/EU Essential requirements</b>	<b>Risk factors</b>	<b>Risk Covered? [Yes/No/NA]</b>	<b>Justification</b>
3.1a	Protection of health, safety of persons, domestic animals of property introduced by combined equipment	Risks introduced from RE to ancillary equipment	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection of health, safety of persons, domestic animals of property introduced by combined equipment	Risks introduced from ancillary equipment to RE	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection of health of domestic animals		<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection of safety of animals		<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection of property		<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection against electrical hazards	Leakage current	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Energy supply	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Stored charges	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Arcs	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Electric shock	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Burns	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection against Mechanical hazards	Instability	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013

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		Break down during operation	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Falling or ejected objects	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Inadequate surface, edges or corners	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Moving parts, especially where there may be variations in the rotational speed of parts	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Vibrations	<u>yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Improper fitting of parts	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
3.1a	Protection against other hazards	Explosions/implosions	No	
		Hazards arising from electric-, magnetic-, and Electro Magnetic Fields	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Ionizing non Ionizing radiation	N/A	
		Optical radiation	N/A	
		Protection against Fire	<u>Yes</u>	Complied with EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013
		Temperatures/Over heating	No	
		Acoustic noise	No	
		Biological and Chemical effects and emissions of hazardous substances (gas, liquids, etc.)	N/A	
		Unattended operation	N/A	
		Foreseeable misuse	No	
3.1b	Adequate level of electromagnetic compatibility introduced by combined equipment	EMC risks introduced from RE to ancillary equipment	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012

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3.1b	Adequate level of electromagnetic compatibility introduced by combined equipment	EMC risks introduced from ancillary equipment to RE	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
3.1b	EMC Emissions in relation to the expected EM environment	Enclosure port of ancillary equipment measured on a standalone basis	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		DC power supply: input / output terminal	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		AC (mains): input / output connection	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Mains Harmonic currents (main AC entrance port)	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Voltage fluctuations and Flicker (main AC entrance port)	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Other network connection ports	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
3.1b	EMC Immunity related to the expected EM environment	Radiated Emissions (80 MHz – 6.000 MHz or related to the expected environment)	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		ESD	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Fast transients, common mode	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Radio frequency, common mode	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Transients and Surges (if applicable Vehicular environment)	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012

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		Voltage Dips and interruptions	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
		Surges	<u>Yes</u>	Complied with EN 301489-1 V2.1.1 EN 301489-17 V3.1.1 AS/NZS 61000.6.3:2012
3.2	Radio equipment as combined equipment (or as part of) shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.	Risks introduced from RE to ancillary equipment	<u>Yes</u>	Complied with EN 300328 V2.1.1
3.2	Radio equipment as combined equipment (or as part of) shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.	Risk introduced from ancillary equipment to RE	<u>Yes</u>	Complied with EN 300328 V2.1.1
3.2	Transmitter part related to the proper radio interface specification	Tx Output power (radiated/conducted)	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Tx Output power accuracy, occupied bandwidth	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Tx spectrum mask	N/A	
		Tx Power spectral Density	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Tx frequency stability	N/A	
		Tx Intermodulation attenuation requirements	N/A	
		Tx unwanted emissions in the OOB domain, (ACP)	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Tx unwanted emissions in the spurious domain	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Tx frequency occupation requirements (utilization, Duty cycle, Tx-Sequence, Tx-gap)	<u>Yes</u>	Complied with EN 300328 V2.1.1
3.2	Receiver part	Tx channel access requirements (LBT, Adaptivity, others)	N/A	
		Rx sensitivity	N/A	
		Rx Adjacent Channel selectivity	N/A	
		Rx Intermodulation	N/A	
		Rx Blocking /desensitization	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Rx Dynamic range	N/A	
		Rx unwanted emissions in the OOB domain	N/A	
3.2	General	Rx unwanted emissions in the spurious domain	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Used protocol, interoperability, single/multiple channels	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Modulation techniques	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Availability of radio frequency interface specifications	<u>Yes</u>	Complied with EN 300328 V2.1.1

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		Network controlled items	<u>Yes</u>	Complied with EN 300328 V2.1.1
		Antennas and other associated equipment as part of the whole Rx/Tx system	<u>Yes</u>	Complied with EN 300328 V2.1.1
3.3a	Radio equipment interworks with accessories, in particular with common chargers;		N/A	
3.3b	Radio equipment interworks via networks with other radio equipment		N/A	
3.3c	Radio equipment can be connected to interfaces of the appropriate type throughout the Union		N/A	
3.3d	Radio equipment does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service.		N/A	
3.3e	Radio equipment incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected.		N/A	
3.3f	Radio equipment supports certain features ensuring protection from fraud.		N/A	
3.3g	Radio equipment supports certain features ensuring access to emergency services.		N/A	
3.3h	Radio equipment supports certain features in order to facilitate its use by users with a disability.		N/A	
3.3i	Radio equipment supports certain features in order to ensure that software can only be loaded into the radio equipment where the compliance of the combination of the radio equipment and software has been demonstrated.		N/A	