



Copyright © 2021 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

This report is not valid as a CB Test Report unless signed by an approved IECEE Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

ISRAEL TESTING LABORATORIES

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing NCB. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.





Page 2 of 85

Report No.

Test item description:	Life Su	Life Support Ventilator			
Trade Mark:	Ventoux				
Manufacturer:	Flight Medical Innovations Ltd.				
Model/Type reference	VC3 (12") / VC2 (8") VT1 (Transport)				
Ratings:	100 – 2	240VAC; 50 – 60 Hz; 1.2	5 A Max.		
Responsible Testing Laboratory (as a	pplicat	ole), testing procedure a	and testing location(s):		
Testing Laboratory:		I.T.L. (Product Testing) L	_td.		
Testing location/ address	:	1 Bat Sheva St., Lod 71	20101 Israel		
Tested by (name, function, signature)	:				
Approved by (name, function, signatu	ı re) :				
Testing location/address					
Tested by (name, function, signature)	:	Jonathan Cohen	104		
Approved by (name, function, signatu	ı re) :	Moshe Zohar			
			Gat		
Testing procedure: CTF Stage 2:					
Testing location/ address	:				
Tested by (name + signature)	:				
Witnessed by (name, function, signate	ure).:				
Approved by (name, function, signatu	ire):				
Testing procedure: CTF Stage 3:					
Testing procedure: CTF Stage 4:					
Testing location/ address	:				
Tested by (name, function, signature)	:				
Witnessed by (name, function, signate	ure) .:				
Approved by (name, function, signatu	ire):				
Supervised by (name, function, signa	ture) :				







Attachment 1 Declarations (2 page) Attachment 2 worst case (6 pages)		
Summary of testing:		
Tests performed (name of test and test clause):	Testing location:	
Tests for: VC3 (12")	I.T.L. (PRODUCT TESTING) LTD.	
Clause 7.1 Radiated disturbances	1 Batsheva St., Lod Israel 7120101	
Clause 7.2.1 AC-Mains Harmonics		
Clause 8.9 Electrostatic Discharges		
Clause 8.9 Radiated RF EM fields		
Clause 8.9 Electrical fast transients / bursts		
Clause 8.9 Surges		
Clause 8.9 Conducted disturbances induced by RF fields		
Clause 8.9 RATED power frequency magnetic fields		
Clause 8.9 Voltage dips		
Clause 8.9 Voltage interruptions		
Clause 8.10 IMMUNITY to proximity fields from RF wireless communications equipment		
Clause 8.10 Immunity to proximity magnetic fields		
Tests for VC2 (8"):		
Clause 7.1 Radiated EMISSIONS		
Clause 8.9 Electrostatic Discharges		
Clause 8.9 Electrical fast transients / bursts		
Summary of compliance with National Differences	(List of countries addressed): N/A	
	-	

☑ The product fulfils the requirements of IEC 60601-1-2:2014, IEC 60601-1-2:2014/AMD1:2020





Page 4 of 85

Report No.

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks. Bottom Name Plate:

FLIGHT MEDICAL INNOVATIONS Part No: Description: Serial No: UDI: Flight Medical Innovations LTD, 7 HaTnufa St., Petach Tikva 4951025, Israel -18°C -18°C -18°C -10°C -
Caution! USA Federal Law restricts this device to sale by or on the order of the physician!





Page 5 of 85

Report No.

Test item particulars:	
Classification of installation and use	Portable
Type of Applied Part	Type BF applied part
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	N/A
Date of receipt of test item:	21/06/2021
Date (s) of performance of tests:	21/06/2021 - 17/4/2022
General remarks:	
"(See Enclosure #)" refers to additional information ap "(See appended table)" refers to a table appended to the Throughout this report a 🛛 comma / 🗆 point is u	opended to the report. ne report.
Manufacturer's Declaration per sub-clause 4.2.5 of	
The application for obtaining a CB Test Certificate	
includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	 ☑ res ☑ Not applicable
When differences exist; they shall be identified in t	he General product information section.
Name and address of factory (ies):	Same as applicant
Concerning duct information (CDI) and other same	when the stant equipment description refer to item 4.4
General product information (GPI) and other rema	rks: For test equipment description refer to item 1.1





Table	e of Contents:	
1	General description of test item	
	1.1 Photos of the test item	11
	1.2 Block diagram of the ME equipment and ME system and all peripherals	and
	auxiliary equipment used	13
_		
2	Verdict summary section	
3	Test conditions	
	3.1 General	15
	3.2 Specific test conditions for IEC 60601-1-2 BASIC SAFETY, ESSENTIAL	
	PERFORMANCE	16
	3.3 Specific test conditions for IEC 60601-1-2 TEST LEVELS for SPECIAL	
	ENVIRONMENTS	18
4	Emission	
4	4.1 Disturbance Voltage	19
	Δ) Test Conditions and Results – Conducted EMISSIONS	20
	4.2 Radiation Measurements	
	Test Conditions and Results – Radiated EMISSIONS	
	Verdict 31	
Resu	It for VC3 (12")	
Resu	It for VC3 (12")	
Resu Resu	It for VC3 (12")	
Resu Resu 5	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2	
Resu Resu 5	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions	
Resu Resu 5	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions	
Resu Resu 5	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker	
Resu Resu 5	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker.	
Resu Resu 5 6	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker Immunity	
Resu Resu 5 6	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2	
Resu Resu 5 6 7	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge	
Resu Fesu 5 6	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8")	
Resu Resu 5 6	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields	
Resu Resu 5 6	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields 7.4 Proximity fields From RF wireless communications equipment	
Resu Resu 5 7	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields. 7.4 Proximity fields From RF wireless communications equipment 7.5 Electrical fast transients / bursts.	
Resu 5 6 7	It for VC3 (12") It for VC2 (8") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions. Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields. 7.4 Proximity fields From RF wireless communications equipment. 7.5 Electrical fast transients / bursts. Result for VC2 (8")	
Resu Fesu 5 7	It for VC3 (12") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields 7.4 Proximity fields From RF wireless communications equipment 7.5 Electrical fast transients / bursts Result for VC2 (8") 7.6 Surges Line-to-line, Surges Line-to-ground	
Resu Fesu 5 7	It for VC3 (12") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields 7.4 Proximity fields From RF wireless communications equipment 7.5 Electrical fast transients / bursts. Result for VC2 (8") 7.6 Surges Line-to-line, Surges Line-to-ground 7.7 Conducted disturbances induced by RF Fields	
Resu 5 6 7	It for VC3 (12") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker. Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields 7.4 Proximity fields From RF wireless communications equipment 7.5 Electrical fast transients / bursts. Result for VC2 (8") 7.6 Surges Line-to-line, Surges Line-to-ground 7.8 RATED power frequency magnetic fields	
Resu Fesu 5 7	It for VC3 (12")	
Resu 5 6 7	It for VC3 (12") Harmonics IEC 61000-3-2 Test Conditions and Results – Harmonic Current Emissions Voltage fluctuation and flicker Test Conditions and Results – Voltage changes, voltage fluctuations and flicker Immunity 7.1 Information specific for IEC 60601-1-2 7.2 Electrostatic Discharge Result for VC2 (8") 7.3 Radiated RF EM fields 7.4 Proximity fields From RF wireless communications equipment 7.5 Electrical fast transients / bursts Result for VC2 (8") 7.6 Surges Line-to-line, Surges Line-to-ground 7.7 Conducted disturbances induced by RF Fields 7.8 RATED power frequency magnetic fields 7.10 Electrical transient conduction along supply lines 7.10 Electrical transient conduction along supply lines	





	7.12 Specialized Emissions and Immunity tests	1
8	Accompanying documents as required by IEC 60601-1-2	65
9	List of test equipment	74
10	Statement of Measurement Uncertainty	76



Description:	Life Support Ventilator				
Serial number:	SN VX-12-xxx; 12" screen - SN VX-8-xxx				
Brand name:	Flight Medical Innovations Ltd.				
Prototype or production version:	Production				
Units tests and rationale for selected sample size	One sample of each screen size is required for	or type testir	ng		
Intended use	The Ventoux Ventilator is intended to provide mechanical ventilation support for the care of mechanical ventilation. Specifically, the Vento pediatric (i.e., infant, child and adolescent) par The Ventoux Ventilator is a restricted medical qualified, trained personnel under the direction use in hospitals, sub-acute emergency rooms emergency response applications.	continuous individuals ux is applic tients who v device inte n of a physi , as well as	or intermiti who require able for ad veigh at lea nded for us cian; it is so for transpo	tent e ult, and ast 5 kg. se by uitable for ort and	
	Professional healthcare facility				
Port:	AC power port		Cable		
		Specified length [m]	Attached during test	Shielded	
	AC Mains	<3m	\boxtimes		
Port:	DC power port		Cable		
		Specified length [m]	Attached during test	Shielded	
	DC Input	<3m			
Port:	PATIENT COUPLING PORT		Cable		
		Specified length [m]	Attached during test	Shielded	
	Pulse Oximeter	<3m	\boxtimes		
	Nebulizer Port	<3m	\square		
	Capnography Port	<3m	\boxtimes		
Port:	SIP / SOP PORT		Cable		
		Specified length [m]	Attached during test	Shielded	
	USB	<3m		\boxtimes	
	Remote Alarm – RJ11	<3m			
	Lan RJ45	<3m	\square	\boxtimes	

1 General description of test item





Page 9 of 85

Report No. E250570.01

Supplemental information to the PORTS	-						
Rated power supply:		Vol	tage and frequency	1 ph/	PE	2 ph/N/P	E 3 ph/N/PE
	\boxtimes	AC	: 100 V – 240 V / 50 - 60 Hz	⊠/[\mathbf{X}		
		DC	:	•			
Rated power:	300W N	lax.					
Protection class:	Class 2						
Other parameters:	N/A	/A					
Software version:	SW Ver	sior	n 1.1				
Hardware version:	HW Ver	sior	n A.01				
Dimensions (W x H x D):	34Wx2	6D>	(25H Cm for VC2 (8"), 34Wx26	6Dx30⊢	l Cn	n for VC3 (12")
Mounting position:	\square		Table top equipment				
			Wall/Ceiling mounted equipme	ent			
			Floor standing equipment				
			Hand-held equipment				
			Other:				
Modules / parts:	Module / parts of test item					Туре	Manufacturer
	EUT en	clos	sure			Plastic	COVESTRO DEUTSCHLA ND AG
Operating modes:	No.		Operating mode of test item	า		Applied for	or testing
					EN	IISSION	IMMUNITY
	1		Active Operating configuratior Assist Control, Volume Contro Target Volume 500 ml, Breath 15 bpm, Inhalation Time 1 seo PEEP 0 cmH20, no triggers, r oxygen mixing.	n – ol, n Rate c., no			
Supplemental information to the operating modes	N/A						
Supporting equipment (not	Accessory / Auxiliary / Simulator				Туре	Manufacturer	
part of the test item):	Patient Circuit				D	ual Link	Flight Medical
	Remote	e Ala	arm			RJ-45	-
Documents as provided by	Descrip	otio	n		Fi	e name	Issue date
the applicant:	Risk ma	anaç	gement file / Risk analysis		DC R	DC-0428 ev A02	-
	Instruct	ion	for use (IFU)		DC R	DC-0468 ev A01	-





ISRAEL TESTING LABORATORIES Global Certifications You Can Trust

Γ

ITL

	Technical description	-	-
	Test plan	DOC-0701	-
Modifications to the test item during testing:	Technical description Test plan	- DOC-0701	- board and







Page 11 of 85

Report No. E250570.01



1.1 Photos of the test item







Page 12 of 85

Report No. E250570.01









1.2 Block diagram of the ME equipment and ME system and all peripherals and auxiliary equipment used





2 Verdict summary section

	IEC 60601-1-2 referenced en	nission standards	
Clause	Requirement – Test case	Basic standard	Verdict
7.1	Terminal disturbance voltages	CISPR 11:2015 +A1:2016 + A2:2019	Р
7.1	Radiation disturbance	CISPR 11:2015 +A1:2016 + A2:2019	Р
7.1	Terminal disturbance voltages	CISPR 14-1:2016	N/A
7.1	Disturbance Power	CISPR 14-1:2016	N/A
7.1	Radiated disturbances	CISPR 14-1:2016	N/A
7.2.1	AC-Mains Harmonics	IEC 61000-3-2:2005 +A1:2008 +A2:2009	Р
7.2.2	AC-Mains Voltage fluctuations and flicker	IEC 61000-3-3:2013	Р
	IEC 60601-1-2 referenced im	munity standards	÷
Clause	Requirement – Test case	Basic standard	Verdict
8.9	ELECTROSTATIC DISCHARGE	IEC 61000-4-2:2008	Р
8.9	Radiated RF EM fields	IEC 61000-4-3:2006 +A1:2007 +A2:2010	Р
8.9	Electrical fast transients / bursts	IEC 61000-4-4:2012	Р
8.9	Surges	IEC 61000-4-5:2014+A1:2017	Р
8.9	Conducted disturbances induced by RF fields	IEC 61000-4-6:2013	Р
8.9	RATED power frequency magnetic fields	IEC 61000-4-8:2009	Р
8.9	Voltage dips	IEC 61000-4-11:2004 + A1:2017	Р
8.9	Voltage interruptions	IEC 61000-4-11:2004 + A1:2017	Р
8.9	Electrical transient conduction along supply lines	ISO 7637-2: 2011	N/A
8.10	IMMUNITY to proximity fields from RF wireless communications equipment	IEC 60601-1-2:2014 Table 9	Р
8.11	Immunity to proximity magnetic fields	IEC 61000-4-39:2017	Р
Suppleme	entary information: N/A		





3 Test conditions

3.1 General

Environmental reference conditions:	The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:			
	Temperature	Humidity	Atmospheric pressure	
	15 °C to 35 °C	30 % to 60 %	86 kPa to 106 kPa	
	If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report i.e. at the supplementary information of each test.			
Measurement uncertainties :	For all measurements where guidance for the calculation of the instrumentation uncertainty of a measurement is specified in CISPR 16-4-2, IEC 61000-4 series or a product standard, the measurement instrumentation uncertainty has been calculated a applied in accordance with these standards. See statement of measurement uncertainty at the end of the report. In all cases if the test laboratory uncertainty is larger than the val UCISPR given in CISPR 16-4-2 the uncertainty is included in the test.			
	In case the standards in the IEC 61000-4 series or the product standard requires the indication of the uncertainty in the report these uncertainty values are included in Section 11.			





3.2 Specific test conditions for IEC 60601-1-2 BASIC SAFETY, ESSENTIAL PERFORMANCE

Description of BASIC SAFETY and ESSENTIAL PERFORMANCE

Basic safety relies on the integrity of the enclosure.

The following are the essential performance criteria that the Ventoux must meet following any test

- The ventilator will continue to ventilate according to its parameter settings.

Or Should the ventilator stop operating, then Audio and Visual warning alarms are produced by the device.

- DOC-0540 - Essential Performance Document based on ISO 80601-2-12





ESSENTIAL PERFORMANCE Requirement	Pass Criteria	Fail Criteria	Monitored Indicators
Delivery of vent	ilation at the PATIENT-CONNECTIC	IN PORT within the ALARM LIMITS Set an ALARM CONDITION:	by the OPERATOR or generation of
OXYGEN IEVEI ALARM CONDITIONS	 19>FiO2<25 Set FiO2 LOW alarm to 25 – verify alarm on** 	FiO ₂ <19 / FiO ₂ >25 / unexpected Fio2 alarm*	 Actual FiO2 Alarms on the screen Audio alarm Video alarm
AIRWAY PRESSURE	PIP end gauge reading error is within 20% of PCV.	PIP end gauge reading error is more than 20% of PCV.	• PIP
expired volume	Error of DELIVERED VOLUME of individual breaths smaller than 35 % and error of the DELIVERED VOLUME averaged over a one minute interval smaller than 25 %.	Error of DELIVERED VOLUME of individual breaths greater than 35 % and error of the DELIVERED VOLUME averaged over a one minute interval greater than 25 %.	 Mechanical lung internal volume indicator Actual VTe Actual MVe
reset to default settings	Ventilator does not reset to default settings	Ventilator resets to default settings	 Ventilation mode Rate Ti, Vt, PC,PS PEEP TriggerFiO2 FiO2Ventilation mode Slope PS TermPSV flow term PS Ti Waveform
change of operating mode	 When off, ventilator stays off When on, ventilator stays on When in settings mode, ventilator stays in settings mode When in charging mode, ventilator stays in charging mode 	 When off, ventilator does not stay off When on, ventilator does not stay on When in settings mode, ventilator does not stay in settings mode When in charging mode, ventilator does not stay in charging mode 	 Ventilator mode as reflected by LEDs, screen ant mechanical test lung
initiation of an unintended operation	 No change in the display that indicates unintended operation Alarm reset LED does not change state 	 Change in the display that indicates unintended operation Alarm reset LED changes state 	Ventilator displayAlarm reset LED





3.3 Specific test conditions for IEC 60601-1-2 TEST LEVELS for SPECIAL ENVIRONMENTS ⊠ Not Applicable

EM DISTURBANCE levels	TEST LEVEL	Justification for SPECIAL ENVIRONMENTS identified
Conducted RF EMISSIONS		
Radiated RF EMISSIONS		
Harmonic Distortion		
Voltage Fluctuations and Flicker		
IMMUNITY TEST LEVELS		
ELECTROSTATIC DISCHARGES		
Radiated RF EM Fields		
Proximity Wireless fields		
Electrical Fast Transients and bursts		
Surges		
Conducted Disturbances, induced by RF fields		
Rated Power-frequency Magnetic Field		
Voltage Dips and Interruptions		
Proximity magnetic fields		
 Supplemental Information: The resulting final IMMUNITY TE a decimal, to a single significant Details of the methods and data LEVELS are to be described in t 	EST LEVELS are digit sources used in he table below	e to be rounded to the nearest whole number or, if determining the appropriate IMMUNITY TEST
IMMUNITY	Details of the m appropriate IMI IMMUNITY TE	nethods and data sources used in determining the MUNITY TEST LEVELS noted above for ST LEVELS for SPECIAL ENVIRONMENTS
ELECTROSTATIC DISCHARGES		
Radiated RF EM Fields		
Proximity Wireless fields		
Electrical Fast Transients and bursts		
Surges		
Conducted Disturbances, induced by RF fields		
Rated Power-frequency Magnetic Field		
Voltage Dips and Interruptions		
Proximity magnetic fields		





Page 19 of 85

Report No. E250570.01

4 EMISSION

4.1 Disturbance Voltage

Not Applicable.						
Tested by:	Jonath	han Cohen				
Test date:	21/06/	21/06/2021				
Test location (stand):	ITL la	b				
Applied limit class or ENVIRONMENT:	\square	Class A according to applied standard				
		Class B according to applied standard				
		General Limits (CISPR 14-1 Table 5)				
		Limits for mains port of tools (CISPR 14-1 Table 6)				
		Other:				
Applied limit group:		Group 1 according to applied standard				
		Group 2 according to applied standard				
Test set-up description:		Set-up Type A (40 cm distance to vertical ground plane, 80 cm over ground plane)				
		Set-up Type B (40 cm distance to horizontal ground plane)				
		Floor standing equipment set-up (10 cm over ground plane)				
		Other:				
		Artificial hand applied				
Supplementary test set-up description:						
Test method applied:		Artificial mains network				
		Artificial mains network used as voltage probe				



Report No. E250570.01

		Voltage probe			
		Current probe and capacitive voltage probe (CVP)			
		SN			
		n situ CDN (150 Ohm and current probe)			
		Other:			
All used mains voltage and	Voltag	ge:	Frequency:		
frequency:	100 V		60 Hz		
	240 V		50 Hz		
Supplementary information:					

A) Test Conditions and Results – Conducted EMISSIONS							
CISPR 11: 2009 TEST: Limits of mains terminal disturbance voltage +A1: 2010						Verdict	
							Р
Laboratory Param	y Parameters Required prior to the test During th					ne test	
Ambient Temperat	ture		10 to 40 °C			22 °	С
Relative Humidity			10 to 90 %			43%	6
Fully configured sa	ample scanned	Free	quency range on eacl	h side of line	Measu	urement	Point
over the following range	frequency		150 kHz to 30 l	MHz		Maiı	ns
	Power interface mode					1,2	2
EQUIPMENT mode			configurations mode	e	1		
			Operation mode			1	
		Li	imits – Group 1 - Clas	s A			
			Power interface mode	e:1			
			Limit d	IB (μV)			
Frequency (MHz)	Quasi-Peak		Result*	Average		Re	esult*
0.15 to 0.50	79		-11.19	66		-'	15.53
0.50 to 30	73		-17.05	60		-'	15.84
			Power interface mode	e:2			
	Limit dB (µV)						
Frequency (MHz)	Quasi-Peak		Result*	Average		Re	esult*
0.15 to 0.50	79		-8.29 79			2.64	
0.50 to 30	73		-17.51	73		-'	14.51
		L	imits - Group 2 - Clas	s A			
			Limit d	IB (μV)			
Frequency (MHz)	Quasi-Peak		Result*	Average		Re	esult*





Report No. E250570.01

0.15 to 0.50	100		90					
0.50 to 5	86		76					
5 to 30	90 to 70		80 to 60					
	Limits - Group 2 - Class A Mains supply currents in excess of 100 A per phase							
		Limit d	IB (μV)					
Frequency (MHz)	Quasi-Peak	Result*	Average	Result*				
0.15 to 0.50	130		120					
0.50 to 5	125		115					
5 to 30	115		105					
Limits - Group 1 and 2 - Class B Charging Mode								
Limit dB (μV)								
Frequency (MHz)	Quasi-Peak	Result*	Average	Result*				
0.15 to 0.50	66 to 56		56 to 46					
0.50 to 5	56		46					
5 to 30	60		50					
Supplementary information: * - The result in tables may be a minimum margin to the limit. EUT powered at one of the Nominal input voltages and frequencies.								





Page 22 of 85

Report No. E250570.01

ED	IT PEAK LIST (Fi	nal Measurement	Results)
Tracel:	CE22BQP		
Trace2:	CE22BAP		
Trace3:			
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
2 Average	246 kHz	30.63	-21.26
1 Quasi Peak	254 kHz	42.54	-19.07
1 Quasi Peak	274 kHz	49.80	-11.19
2 Average	274 kHz	35.20	-15.78
1 Quasi Peak	554 kHz	35.14	-20.85
2 Average	642 kHz	23.03	-22.96
2 Average	826 kHz	22.91	-23.08
1 Quasi Peak	946 kHz	37.72	-18.27
2 Average	1.366 MHz	12.25	-33.74
1 Quasi Peak	1.466 MHz	32.25	-23.74
1 Quasi Peak	2.214 MHz	25.19	-30.80
2 Average	3.206 MHz	20.71	-25.28
2 Average	3.634 MHz	18.40	-27.59
1 Quasi Peak	3.638 MHz	26.50	-29.49
2 Average	9.806 MHz	20.81	-29.18
1 Quasi Peak	10.038 MHz	27.64	-32.35
2 Average	17.602 MHz	26.49	-23.50
1 Quasi Peak	17.614 MHz	31.64	-28.35
1 Quasi Peak	21.942 MHz	42.95	-17.05
2 Average	22.134 MHz	34.15	-15.84

Charging Mode - Phase





Tabulated Results for Input/Output Terminal Disturbance Current								
TerminalTestMeterDetectorGain/LossTransducerLevelLimit 1MargingTerminalFrequencyReading(Pk/QP/AvFactorFactordB (μA)dB (μA)dB (μA)(dB)							Margin (dB)	

Supplementary information:

ISRAEL TESTING LABORATORIES

Note: This table is to be used for combined correction factors (Gain/Loss and Transducer). Use column "Terminal" to identify the Line and /or Neutral that was tested. Other table formats are allowed as long as all information is included.

	EDI	T PEAK LIST (Fina	al Measurement	Results)
Trad	cel:	CE22AQP		
Trad	ce2:	CE22AAP		
Trad	ce3:			
	TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
2	Average	242 kHz	27.57	-38.42
1	Quasi Peak	254 kHz	45.22	-33.77
1	Quasi Peak	270 kHz	45.07	-33.92
2	Average	290 kHz	50.46	-15.53
1	Quasi Peak	666 kHz	37.78	-35.21
2	Average	682 kHz	26.69	-33.30
1	Quasi Peak	1.042 MHz	26.39	-46.60
2	Average	1.074 MHz	25.86	-34.13
2	Average	1.262 MHz	24.02	-35.97
1	Quasi Peak	1.274 MHz	34.50	-38.49
1	Quasi Peak	2.158 MHz	27.55	-45.44
2	Average	2.186 MHz	22.14	-37.85
2	Average	3.642 MHz	19.84	-40.15
1	Quasi Peak	3.746 MHz	21.42	-51.57
2	Average	9.654 MHz	16.73	-43.27
1	Quasi Peak	9.878 MHz	23.53	-49.46
2	Average	17.182 MHz	16.66	-43.33
1	Quasi Peak	17.63 MHz	31.05	-41.94
2	Average	21.802 MHz	28.68	-31.32
1	Quasi Peak	21.826 MHz	37.12	-35.87

Charging Mode – Neutral









Page 25 of 85

Report No. E250570.01

|--|

	EDI	T PEAK LIST (Final	Measurement	Results)
Tra	cel:	CE22BQP		
Tra	ce2:	CE22BAP		
Tra	ce3:			
	TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1	Quasi Peak	246 kHz	40.77	-21.11
2	Average	246 kHz	36.61	-15.27
1	Quasi Peak	302 kHz	48.25	-11.93
2	Average	306 kHz	44.97	-5.10
1	Quasi Peak	590 kHz	38.48	-17.51
2	Average	734 kHz	28.35	-17.64
1	Quasi Peak	1.114 MHz	33.50	-22.49
2	Average	1.238 MHz	29.49	-16.50
1	Quasi Peak	1.274 MHz	24.83	-31.16
2	Average	1.734 MHz	30.58	-15.41
1	Quasi Peak	2.202 MHz	31.51	-24.48
2	Average	3.218 MHz	29.62	-16.37
2	Average	3.714 MHz	30.19	-15.80
1	Quasi Peak	4.206 MHz	25.52	-30.47
2	Average	6.19 MHz	20.07	-29.92
1	Quasi Peak	8.922 MHz	22.43	-37.56
1	Quasi Peak	17.538 MHz	30.68	-29.31
2	Average	17.658 MHz	19.47	-30.52
1	Quasi Peak	21.862 MHz	40.66	-19.33
2	Average	21.862 MHz	32.48	-17.51

Charging Mode - Phase





ISRAEL TESTING LABORATORIES

Tabulated Results for Input/Output Terminal Disturbance Current								
Terminal	Test Frequency (MHz)	Meter Reading dB (μV)	Detector (Pk/QP/Av)	Gain/Loss Factor (dB)	Transducer Factor (dB)	Level dB (µA)	Limit 1 dB (µA)	Margin (dB)
Suppleme	Supplementary information:							

Note: This table is to be used for combined correction factors (Gain/Loss and Transducer). Use column "Terminal" to identify the Line and /or Neutral that was tested. Other table formats are allowed as long as all information is included.

		EDIT	PEAK LIST	(Final	Measurement	Results)
Tra	cel:	C	E22BQP			
Tra	ce2:	C	E22BAP			
Tra	ce3:	-				
	TRACE		FREQUE	NCY	LEVEL dBµV	DELTA LIMIT dB
1	Quasi Pea	ik 1	.50 kHz		14.17	-51.82
2	Average	2	46 kHz		36.59	-15.29
1	Quasi Pea	ak 2	98 kHz		52.00	-8.29
2	Average	2	98 kHz		47.65	-2.64
1	Quasi Pea	ak 4	94 kHz		40.50	-15.59
2	Average	5	06 kHz		31.48	-14.51
1	Quasi Pea	ak 8	98 kHz		35.79	-20.20
2	Average	9	14 kHz		26.96	-19.03
1	Quasi Pea	ak 1	.402 MHz		27.92	-28.07
2	Average	1	.73 MHz		30.51	-15.48
1	Quasi Pea	ak 2	.138 MHz		29.16	-26.83
2	Average	3	.21 MHz		27.84	-18.15
2	Average	3	.702 MHz		21.12	-24.87
1	Quasi Pea	ak 4	.198 MHz		27.58	-28.41
2	Average	e	.17 MHz		9.82	-40.17
1	Quasi Pea	ak 8	.774 MHz		24.50	-35.49
1	Quasi Pea	ak 1	6.51 MHz		28.44	-31.55
2	Average	1	7.546 MHz		20.16	-29.84
1	Quasi Pea	ik 2	1.814 MHz		39.52	-20.47
2	Average	2	2.046 MHz		32.30	-17.69

Charging Mode – Neutral











Page 28 of 85

Report No. E250570.01



Discontinuous disturbances (clicks) ⊠ Not Applicable

Disturbance power \square Not Applicable





4.2 Radiation Measurements

Not Applicable

Tested by:	Yonatan Cohen					
Test date:	21/06/2021					
Test location (stand):	ITL la	b				
Applied limit class:	\boxtimes	Class A according to applied standard				
		Class B according to applied standard				
		Other:				
Applied limit Group	\boxtimes	Group 1 according to applied standard				
		Group 2 according to applied standard				
		Other:				
Test set up description:	\boxtimes	Equipment on a table 80 cm height				
		Equipment on the floor (isolated from ground plane)				
		Other:				
Supplementary test set up description	N/A					
Test method applied	\boxtimes	OATS with measurement distance [m]: 10				
		SAC with measurement distance [m]:				
		Alternative Test Site				
Supplementary information:	Teste	ed on VC3 (12") / VC2 (8")				







Page 30 of 85

Report No. E250570.01







Test Conditions and Results	s – Radiat						
CISPR 11: 2009 +A1: 2010	TEST: Li	mits for radiated disturbance 0).15 MHz –1 GHz	Verdict			
Test site: OATS			Alternative Test Site	Р			
Laboratory Parameters:		Required prior to the test	During the test				
Ambient Temperature		10 to 40 °C	30°C				
Relative Humidity		10 to 90 %	35%				
Fully configured sample sca	anned	Frequency range	Measurement Dista	nce			
over the following frequence	cy range	🗌 0.15 MHz – 1 GHz	🗌 3 m 🗌 10 m				
		🔀 30 MHz – 1 GHz	🗌 3 m 🔀 10 m				
		🔀 30 MHz – 1 GHz	🗌 3 m 🔀 10 m				
		Power interface mode	1,2				
EQUIPMENT mode		EUT configurations mode	1				
		Operation mode	1				
	Limits	– Group 1 Class A Charging M	ode				
Power interface mode: 1							
		Limit	dB (µV/m)				
Frequency (MHz)		Quasi-Peak	Results *				
30 to 230		40	-1.7				
230 to 1000		47	47 -10.9				
		Power interface mode: 2					
- (A.411.)		Limit	Limit dB (µV/m)				
Frequency (IVIHZ)		Quasi-Peak	Results *				
30 to 230		40	-0.1				
230 to 1000		47	-10.5				
	Limits	- Group 1 Class B Charging M	ode				
F actor (NALL)		Limit	dΒ (μV/m)				
		Quasi-Peak	Results *				
30 to 230		30					
230 to 1000		37					
		Limits – Group 2 Class A		·/////			
Frequency (MHz)		LIMITS BEIOW JUNHZ OB (µ	A/m); Above 30MHZ dB (µ Besults *	iv/m)			
0.15 to 20		Soc standard	nesuits				
30 to 1000							
30 10 1000							
		Limits – Group 2 Class B					





Report No. E250570.01

	Limits Below 30MHz dB (µA/m); Above 30MHz dB (µV/m)						
Frequency (MHz)	Quasi-Peak	Average**	Results *				
0.15 to 30	39 to 3***	-					
30 to 80.872	30	25					
80,872 to 81,848	50	45					
81,848 to 134,786	30	25					
134,786 to 136,414	50	45					
136,414 to 230	30	25					
230 to 1000	37	32					
Supplementary information: EUT powere * - The result in this table may be a m ** - The Average Limits Apply To Mag	d at one of the Nomi inimum margin to t netron Driven EQUIPM	nal input volta he limit. иемт Only.	ges and frequencies.				

*** - Decreases linearly with the logarithm of frequency

Result for VC3 (12")

Frequency	Antenna Polarization		Azimuth	Antenna Height	Peak Reading	QP Reading	Limit	Margin
(MHz)	Hor.	Ver.	(Degrees)	(cm)	(dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)
111.02		Х	0	140	34.8	27.8	40	-12.2
115.04		Х	170	160	29.1	33.9	40	-6.1
129.3	Х		100	220	44.5	39.4	40	-0.6
193.97	Х		110	120	45.5	39.9	40	-0.1
209.93	Х		340	140	34.8	29.6	40	-10.4
250.025	Х		330	120	41.2	36.5	47	-10.5
274.92	Х		200	110	34.3	29.9	47	-17.1

Result for VC2 (8")

Frequency	Antenna Polarization		Antenna Polarization		Antenna Polarization		Azimuth	Antenna Height	Peak Reading	QP Reading	Limit	Margin
(MHz)	Hor.	Ver.	(Degrees)	(cm)	(dBµV/m)	(dBµV/m)	(dBµV/m)	(dB)				
172.90	Х		63	329.4	37.4	31.9	40.0	-8.1				
173.82	Х		63	329.4	35.8	31.1	40.0	-8.9				
191.70	Х		226	272.0	36.0	31.0	40.0	-9.0				
599.00	Х		30	201.4	40.8	36.1	47.0	-10.9				



Report No. E250570.01

Page 33 of 85

132.82	Х	103	100.0	39.8	35.4	40.0	-4.6
133.81	Х	108	100.0	40.4	35.6	40.0	-4.4
171.54	Х	121	100.0	42.6	37.8	40.0	-2.2
189.61	Х	142	100.0	42.5	37.9	40.0	-2.1
190.63	Х	142	100.0	42.9	38.3	40.0	-1.7
192.61	X	142	100.0	42.9	37.8	40.0	-2.2



5 Harmonics IEC 61000-3-2

Not Applicable						
Tested by:	Yonat	Yonatan Cohen				
Test date:	21/06	21/06/2021				
Test location (stand):	ITL la	b				
Test set up description:	Norma	al tests set up				
Limit classification in accordance	\square	Class A				
with the standard:		Class B				
		Class C with pov	ver > 25 W			
		Class C with power < 25 W Option a)				
		Class C with power < 25 W Option b)				
		Class D				
Observation period:	Descr	iption	Period selected T _{obs}			
	\square	Quasi stationary	2.5 min			
		Short cyclic	T _{obs} ≥ 10 cycles =			
		Random	T _{obs} =			
		Long cyclic	Full program cycle or 2.5 min. with highest THC $T_{obs} =$			
Control principle used in the sample:	Auton	natically switch				
Supplementary information::	N/A					

Test Conditions and Results – H	Iarmonic Current Emissions		
IEC 61000-3-2:2005 +A1: 2008 +A2: 2009	ssions (EQUIPMENT	Verdict	
			P
Laboratory Parameters:	Required prior to the test	During the te	est
Ambient Temperature	15 to 35 °C	22°C	
Relative Humidity	30 to 60 %	48%	
	Power interface mode	1	
EQUIPMENT mode	EUT configurations mode	1	
	Operation mode	1	
Classification of EQUIPMENT		Class A	
Supplementary information:			



Report No. E250570.01

		Tabulate	ed Resu	Its for Harn	nonic C	urrent EMISSIO	NS	
Supply Meet	s EN Require	ements						
Load Power Load Curren	: t :	0.1 kW 0.066 0.3 Arms 0.5	kVA Power Apk Crest	Factor 0.803 Factor 1.671				
Measurement Limits Appl:	Standard : ied :	EN61000-4-7:20 EN61000-3-2:20	002+A1:200 014 No Lim	9 its - Actual Po	wer Prof	essional, below Min	imum Threshold.	
Harmonic Number	Limit Current Amp	Average (filtered) Amp	% Limit	max. Value (Filtered) Amp	% Limit	Assessment		
[undemente]		0.266						
Fundamental		0.200		0.004				
2:	-	0.002	-	0.004	-	-		
5:	-	0.081	-	0.092	-	-		
4 :	-	0.001	-	0.001	-	-		
5 . 6 .	-	0.024	-	0.02/	-	-		
7.	-	0.001	-	0.001	-	-		
/:	-	0.017	-	0.010	-	-		
0.	-	0.001	-	0.001	-	-		
9:	-	0.011	-	0.011	-	-		
10 :	-	0.001	-	0.001	-	-		
11 :	-	0.009	-	0.010	-	-		
12 :	-	0.001	-	0.001	-	-		
13 :	-	0.010	-	0.012	-	-		
14 :	-	0.001	-	0.001	-	-		
15 :	-	0.006	-	0.008	-	-		
16 :	-	0.001	-	0.001	-	-		
1/:	-	0.005	-	0.005	-	-		
18 :	-	0.001	-	0.001	-	-		
19 :	-	0.005	-	0.005	-	-		
20 :	-	0.001	-	0.001	-	-		
21 :	-	0.005	-	0.005	-	-		
22 :	-	0.001	-	0.001	-	-		
23 :	-	0.004	-	0.005	-	-		
24 :	-	0.001	-	0.002	-	-		
25 :	-	0.004	-	0.005	-	-		
26 :	-	0.001	-	0.001	-	-		
27 :	-	0.004	-	0.004	-	-		
28 :	-	0.001	-	0.001	-	-		
29 :	-	0.004	-	0.004	-	-		
30 :	-	0.001	-	0.001	-	-		
31 :	-	0.003	-	0.004	-	-		
32 :	-	0.001	-	0.001	-	-		
33 :	-	0.003	-	0.004	-	-		
34 :	-	0.001	-	0.001	-	-		
35 :	-	0.002	-	0.002	-	-		
36 :	-	0.001	-	0.001	-	-		
37 :	-	0.003	-	0.004	-	-		
38 :	-	0.001	-	0.001	-	-		
39 :	-	0.002	-	0.004	-	-		
40 :	-	0.001	-	0.001	-	-		
21 20		0.011	-	0.012	-	-		





Report No. E250570.01

Tabulated Results for Harmonic Current EMISSIONS								
Equipment U	Inder Test : vento	ux 12						
Social Numb	an :	MA 12						
Tested by	er :							
rested by	: yonar	Lan						
	Nominal	l Measured Low	Measured High	Deviation	Allowed Deviation	Result		
Supply Volt	age : 230	230.11	230.13	+0.13	4.60	PASS		
Supply Freq	uency : 50	50.00	50.01	+0.01	0.25	PASS		
Crest Phase	: 90.0	89.5	89.6	-0.5	3.0	PASS		
Crest Facto	r : 1.414	1.413	1.413	-0.001	-0.014/+0.006	PASS		
Fundamental	Voltage : 230.11	L -	-	-	-	-		
Harmonic	Harmonic Voltage	Harmonic Ra	atio Limit	Result				
2	0.14	0.065	0.20	PASS				
3	0.04	0.026	0.90	PASS				
4	0.02	0.008	0.20	PASS				
5	0.01	0,006	0.40	PASS				
6	0.00	0.000	0.20	PASS				
7	0.00	0.002	0.30	PASS				
8	0.00	0.000	0.20	PASS				
9	0.00	0.000	0.20	PASS				
10	0.00	0.005	0.10	PASS				
11	0.00	0.001	0.10	PASS				
12	0.00	0.000	0.10	PASS				
12	0.00	0.000	0.10	DASS				
14	0.00	0.005	0.10	DASS				
15	0.00	0.000	0.10	PASS				
16	0.00	0.000	0.10	DASS				
17	0.00	0.000	0.10	PASS				
10	0.00	0.000	0.10	PASS				
10	0.00	0.000	0.10	PASS				
19	0.00	0.000	0.10	PASS				
20	0.00	0.000	0.10	PASS				
21	0.00	0.002	0.10	PASS				
22	0.00	0.000	0.10	PASS				
23	0.00	0.001	0.10	PASS				
24	0.00	0.000	0.10	PASS				
25	0.00	0.000	0.10	PASS				
26	0.00	0.000	0.10	PASS				
27	0.00	0.000	0.10	PASS				
28	0.00	0.000	0.10	PASS				
29	0.00	0.000	0.10	PASS				
30	0.00	0.000	0.10	PASS				
31	0.00	0.000	0.10	PASS				
32	0.00	0.000	0.10	PASS				
33	0.00	0.000	0.10	PASS				
34	0.00	0.000	0.10	PASS				
35	0.00	0.003	0.10	PASS				
36	0.00	0.000	0.10	PASS				
37	0.00	0.003	0.10	PASS				
38	0.00	0.000	0.10	PASS				
39	0.00	0.000	0.10	PASS				
	0.00	0 000	0 10	PASS				






6 Voltage fluctuation and flicker

Not Applicable

Tested by:	Yonatan Cohen					
Test date:	21/06/2	2021				
Test Location (stand):	ITL lab					
Test set up description:	Norma	I tests set up				
Test method:	4.2.2 Measurement with Flickermeter according IEC 61000-4-15					
	4.2.3 Simulation					
	4.2.4 Analytical method					
	4.2.5 Use of $P_{\rm st}$ = 1 curve					
Observation time selected:	\boxtimes	10 minutes				
		120 minutes				
		24 times switching according to annex B				
Limit for d _{max} applied:	\boxtimes	4 %				
	6 %					
Supplementary information:	N/A					

Test Conditions and Results – Voltage changes, voltage fluctuations and flicker						
IEC 61000-3-3: 2013 Test Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection						
Laboratory Parameters	During the test					
Ambient Temperature	15 to 35 °C	22°C				
Relative Humidity	30 to 60 %	48%				
	Power interface mode:	1				
EQUIPMENT mode	EUT configurations mode:	1				
	1					
Control Method of EQUIPMENT (see below):						
1 - without additional conditions						

2 - switched manually, or

switched automatically more frequently than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds), or manual restart, after a power supply interruption.

3 - attended while in use, or switched on automatically, or is intended to be switched on manually, no more than twice per day, and also has either a delayed restart (the delay being not less than a

TRF No. IEC60601_1_2J_EMC ITL059_V.1_19.05.22_60601-1-2J_EMC





few tens of seconds) or manual restart, after a power supply interruption.

Supplementary information:

7 IMMUNITY

7.1 Information specific for IEC 60601-1-2

IMMUNITY Pass/Fail Criteria							
Product Function related to Basic Safety and Essential performance	Pass/Fail Criteria description (see EMC test sections for any additional Part 2 P/F criteria)*	Part 2 reference (if applicable)					
oxygen level ALARM CONDITIONS	• 19>FiO2<25						
	Set FiO2 LOW alarm to 25 – verify alarm on**						
AIRWAY PRESSURE	PIP end gauge reading error is within 20% of PCV.						
expired volume	Error of DELIVERED VOLUME of individual breaths smaller than 35 % and error of the DELIVERED VOLUME averaged over a one minute interval smaller than 25 %.						
reset to default settings	Ventilator does not reset to default settings						
change of operating mode	When off, ventilator stays off						
	When on, ventilator stays on						
	When in settings mode, ventilator stays in settings mode						
	When in charging mode, ventilator stays in charging mode						
initiation of an unintended operation	No change in the display that indicates unintended operation						
	Alarm reset LED does not change state						
oxygen level ALARM CONDITIONS	• 19>FiO2<25						
	Set FiO2 LOW alarm to 25 – verify alarm on**						
AIRWAY PRESSURE	PIP end gauge reading error is within 20% of PCV.						
expired volume	Error of DELIVERED VOLUME of individual breaths smaller than 35 % and error of the DELIVERED						
	VOLUME averaged over a one minute interval smaller						
reset to default settings	Ventilator does not reset to default settings						
change of operating mode	When off, ventilator stays off						
	When on, ventilator stays on						
	When in settings mode, ventilator stays in settings mode						
	When in charging mode, ventilator stays in charging mode						
initiation of an unintended operation	No change in the display that indicates unintended operation						
	Alarm reset LED does not change state						





Page 39 of 85

Report No. E250570.01

No	ote: Specific, detailed IMMUNITY	' pass/fail criteria, are based on applicable part two sta	andards or RISK
M	ANAGEMENT, for BASIC SAFET	Y and ESSENTIAL PERFORMANCE with regard to E	M DISTURBANCES.
Th	ese pass/fail criteria must be inc	luded in the RISK MANAGEMENT FILE	





Page 40 of 85

Report No. E250570.01

7.2 Electrostatic Discharge

Not Applicable						
Tested by:	Yonatan Cohen					
Test date:	21/06/2021					
Test location (Stand):	ITL lab					
Test set up:	Table top equipment					
	Floor standing equipment					
	Wall or ceiling mounted equipment (Treated as table top)					
Supplementary test set up description:	· N/A					
Size of horizontal coupling plate:	1,6 x 0	,8 m				
Number of DISCHARGES for each test point:	10 posi	itive / 10 negative)			
DISCHARGE interval:	1s					
Environmental conditions :	Temperature: 23°C (Range: 15 °C to 35 °C) Humidity: 55% (Range: 30 % to 60 %) Atmospheric pressure: 101.3kPa (Range: 86 kPa to 106 kPa)					
Supplementary information:	Tested on VC3 (12") / VC2 (8")					





Page 41 of 85







Page 42 of 85

Report No. E250570.01

Result for VC3 (12")







Test results for ELECTROSTATIC DISCHARGE								
No.	Location of DISCHARGE	Туре	Polarity	TEST LEVEL [kV]	Operating mode	Observations		
1	Nebulizer port	Con	P / N	8	1	Pass		
2	Screen metal Frame	Con	P / N	8	1	Pass		
3	Handle	Con	P / N	8	1	Pass		
4	Air filter screes	Con	P / N	8	1	Pass		
5	O2 regulator	Con	P / N	8	1	Pass		
6	Silent & On/Off buttons	Air	P / N	2, 4, 8, 15	1	Pass		
7	Speakers	Air	P / N	2, 4, 8, 15	1	Pass		
8	DC power inlet cover	Air	P / N	2, 4, 8, 15	1	Pass		
HCP	= Horizontal coupling plate; V	/CP = Ve	ertical coupli	ing plate				
N= N	N= Negative; P= Positive							
Con=	Con= Conducted Discharge; Air= Air Discharge							
Supp	lementary information: N/A							





Result for VC2 (8")









Test results for ELECTROSTATIC DISCHARGE								
No.	Location of DISCHARGE	Туре	Polarity	TEST LEVEL [kV]	Operating mode	Observations		
1	Nebulizer port	Con	P / N	8	1	Pass		
2	Screen metal Frame	Con	P/N	8	1	Pass		
3	Handle	Con	P / N	8	1	Pass		
4	Air filter screes	Con	P / N	8	1	Pass		
5	O2 regulator	Con	P / N	8	1	Pass		
6 Silent & On/Off buttons Air P / N 2, 4, 8, 15 1 Pass								
7	Speakers	Air	P / N	2, 4, 8, 15	1	Pass		
8	DC power inlet cover	Air	P / N	2, 4, 8, 15	1	Pass		
HCP	= Horizontal coupling plate; V	′CP = Ve	ertical coupli	ing plate				

N= Negative; P= Positive

Con= Conducted Discharge; Air= Air Discharge



7.3 Radiated RF EM fields

Not Applicable.	Not Applicable.					
Tested by	Yonatan Cohen					
Test date:	21/06/2021					
Test location (Stand):	ITL lab					
Test set-up:	Equipment on the table (0,8 m height)					
	Equipment standing on floor (0,05 – 0,15 m height)					
Supplementary test set up description:	N/A					
Exposed side of EUT:	☑ 0 ° (Front)					
	□ 90 °					
	□ 180 ° (Rear)					
	□ 270 °					
	Тор					
	Bottom					
Reason for not exposing a side :	The EUT is a table top where exposing top and bottom is technically not feasible.					
Distance Antenna to EUT:	3 m					
Step size [%]:	1 %					
Supplementary information:	Tested on VC3 (12")					
Test set-up photo	<image/>					





Test results for Radiated RF EM fields							
Frequency range / discrete frequencies	Test Level [V/m]	Polari- sation	Modulation	Operation mode	Dwell time [s]	Observations	
80 – 1000 MHz	10	Н	AM 1 kHz 80 %	1	3	Pass	
1,0 – 2,7 GHz	10	Н	AM 1 kHz 80 %	1	3	Pass	
80 – 1000 MHz	10	V	AM 1 kHz 80 %	1	3	Pass	
1,0 – 2,7 GHz	10	V	AM 1 kHz 80 %	1	3	Pass	
Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry							





7.4 Proximity fields From RF wireless communications equipment

Not Applicable					
Tested by:	Yonatan Cohen				
Test date:	21/06/2021				
Test location (Stand):	ITL lab				
Test set-up:	Equipment on the table (0,8 m height)				
	Equipment standing on floor (0,05 – 0,15 m height)				
Supplementary test set up description	N/A				
Exposed side of EUT	□ 0 ° (Front)				
	□ 90 °				
	□ 180 ° (Rear)				
	□ 270 °				
	П Тор				
	Bottom				
Reason for not exposing a side :	: The EUT is a table top where exposing top and bottom is technically not feasible.				
Distance Antenna to EUT:	3 m				
Supplementary information:	Tested on VC3 (12")				







Page 49 of 85

Report No. E250570.01



Test results for Proximity fields From RF wireless communications equipment						
Frequency range / discrete frequencies [MHz]	Test Level [V/m]	Polari- sation	Modulation	Operation mode	Dwell time [s]	Observations
385	27	Н	Pulse	1	3	Pass
450	28	Н	Pulse	1	3	Pass
710 745 780	9	н	Pulse	1	3	Pass
810 870 930	28	н	Pulse	1	3	Pass
1720 1845	28	н	Pulse	1	3	Pass

TRF No. IEC60601_1_2J_EMC ITL059_V.1_19.05.22_60601-1-2J_EMC









Test results for Proximity fields From RF wireless communications equipment							
Frequency range / discrete frequencies [MHz]	Test Level [V/m]	Polari- sation	Modulation	Operation mode	Dwell time [s]	Observations	
1970							
2450	28	Н	Pulse	1	3	Pass	
5240 5500 5785	9	н	Pulse	1	3	Pass	
385	27	V	Pulse	1	3	Pass	
450	28	V	Pulse	1	3	Pass	
710 745 780	9	V	Pulse	1	3	Pass	
810 870 930	28	V	Pulse	1	3	Pass	
1720 1845 1970	28	V	Pulse	1	3	Pass	
2450	28	V	Pulse	1	3	Pass	
5240 5500 5785	9	V	Pulse	1	3	Pass	





7.5 Electrical fast transients / bursts

Not Applicable.						
Tested by:	Yonatan Cohen					
Test date:	21/06/2021					
Test location (stand):	ITL lab					
Test set-up:	\boxtimes	Equipment on the table $(0,1 \pm 0,01)$ m above ground plane				
		Equipment standing on floor at (0,1 \pm 0,05) m above ground plane				
		Artificial hand applied. Location see photo.				
Supplementary test set up description:	N/A					
Repetition frequency	100 kHz					
Test time:	1 min					
Supplementary information:	Teste	d on VC3 (12") / VC2 (8")				







Result for VC3 (12")

Test results Electrical fast transients / bursts							
Port	Coupling	Level [kV]	Polarity	Operating mode	Mains voltage / frequency	Observation	
Mains	CDN	2	P/N	1	230 V / 50 Hz	None	
SIP/SOP Clamp 2 N 1 230 V / 50 Hz None							
Supplementary information: Configuration: HW configuration – With Oxygen mixer, cappography, oximetry							

Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry and cuff pressure control (for tests)

Result for VC2 (8")

Test results Electrical fast transients / bursts								
Port	Coupling	Level [kV]	Polarity	Operating mode	Mains voltage / frequency	Observation		
Mains	CDN	2	P/N	1	230 V / 50 Hz	None		
SIP/SOP Clamp 2 N 1 230 V / 50 Hz None								
Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry and cuff pressure control (for tests)								



7.6 Surges Line-to-line, Surges Line-to-ground

Not Applicable					
Tested by:	Yonatan Cohen				
Test date:	21/06/2021				
Test location (Stand):	ITL lab				
Test set up description:	Normal test set up				
Repetition rate:	1 / min				
Number of pulses for each coupling:	5				
Supplementary information:	Tested on VC3 (12")				







Page 54 of 85

Test results for Surges Line-to-line, Surges Line-to-ground									
Port	Coupling	CDN (figure no.)	Level [kV]	Polarity	Phase angles [°]	Operating mode	Mains voltage / frequency	Observation	
Mains	L1 - N	Mains	1	P/N	0, 90, 180, 270	1	230 V / 50 Hz	None	
Mains	L1 – PE N – PE	Mains	2	P/N	0, 90, 180, 270	1	220 V / 60 Hz	None	
Lower TEST LEVELS			\square	The lower TEST LEVELS are tested.					
				The lower TEST LEVELS are not tested (Table 5 table footnote j) applies.)					
Legend:									

Polarity: P = Positive, N = Negative

CDN: Mains = Mains Coupling Network, Signal/Control: e.g. F9 = Figure No. 9 from IEC 61000-4-5





7.7 Conducted disturbances induced by RF Fields

Not Applicable					
Tested by:	Yonatan Cohen				
Test date:	21/06/2021				
Test location (Stand):	ITL lab				
Test set-up:	Equipment located (0,1 \pm 0,05) m above ground plane				
	Elevated ground plane according to Annex F (IEC 61000-4-6)				
	Artificial hand applied. Location see photo.				
Supplementary test set up description:	N/A				
Modulation:	80 % AM with 1 kHz				
	Other:				
Step size:	1 %				
Supplementary information:	Tested on VC3 (12")				





Test results for Conducted disturbances induced by RF Fields								
Frequency range / discrete frequencies	Test Level [V]	Port under test	CDN type	Cable length used [m]	PORT with terminated CDN	Operating mode	Dwell time [s]	Observations
0,15 - 80 MHz	3	Mains	M3	0,3	RS232	1	3	





7.8 RATED power frequency magnetic fields

Not Applicable					
Tested by:	Yonatan Cohen				
Test date:	21/06/2021				
Test location (Stand):	ITL lab				
Test set-up:	0,1 m above metal surface (floor standing devices)				
	Homogeneous field (Helmholtz coil). Dimensions:				
	Single Coil. Dimensions: 1 x 1 m				
	Single Coil. Dimensions: 1 x 2,6 m				
	Other (Describe):				
Observations during test:	None				
Supplementary information:	Tested on VC3 (12")				





Page 58 of 85

Report No. E250570.01



Test results for RATED power frequency magnetic fields							
Test frequency	Test Level [A/m]	Test time [s]		Axis	Operating mode	Mains voltage / frequency	Observations
50 Hz	30	10		x	1	230 V / 50 Hz	None
60 Hz	30	10		у	1	230 V / 50 Hz	None
60 Hz	30	10		z	1	230 V / 50 Hz	None
		0				0	

Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry and cuff pressure control (for tests)

.



Not Applicable				
Tested by:	Yonatan Cohen			
Test date:	21/06/2021			
Test location (Stand):	ITL lab			
Test set up description:	Normal test set up			
Repetition rate:	10 s			
Number of dips or interruptions:	3			
Supplementary information:	Tested on VC3 (12")			

Test voltage requirements						
Supply Voltage Range	Difference of Max Voltage – Min Voltage	25 % of highest Rated input Voltage	Voltage Dips Test at Min/Max Voltages required (Y/N)			
110 - 230	120	25	Y			

Test results voltage dips for 0% of U_N for 0,5 cycles and phase angles of 0 °, 45 °, 90 °, 135 °, 180°, 225 °, 270° and 315 °						
<i>U</i> _N [V]	Frequency [Hz]	TEST LEVEL U T [V]	Operating mode	Observations		

230	50	0	2	None		
110	60	0	2	None		
Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry						

and cuff pressure control (for tests)

Test results voltage dips for 0% of U_N for 1 cycle and phase angles of 0 $^\circ$					
U_NFrequencyTEST LEVEL UTOperating modeObservations[V][Hz][V]Mode					
230	50	0	2	None	
110	60	0	2	None	

Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry and cuff pressure control (for tests)

Test results voltage dips for 70% of U_N for 25 / 30 cycles and phase angles of 0 $^\circ$							
<i>U</i> ∾ [V]	U _N FrequencyTEST LEVEL UτOperating modeObservations[V][Hz][V]Mode						
230	50	161	2	None			
110	60	77	2	None			
.							

Supplementary information: Configuration: HW configuration – With Oxygen mixer, capnography, oximetry





Test results voltage dips for 70% of U_N for 25 / 30 cycles and phase angles of 0 $^\circ$					
<i>U</i> ∾ [V]	Frequency [Hz]	Test level <i>Ut</i> [V]	Operating mode	Observations	
and cuff pressure control (for tests)					

Voltage	Voltage interruptions for 0% of U_N for 250 / 300 cycles						
U _N [V]	Frequency [Hz]	Test level <i>Ut</i> [V]	Operating mode	Observations			
230	50	0	2				
110	60	0	2				







7.10 Electrical transient conduction along supply lines

Not Applicable

7.11 Proximity magnetic fields

Not Applicable

Tested by:	Yonatan Cohen
Test date:	21/06/2021
Supplementary information::	ITL lab

Magnetic field immunity 9 kHz to 150 kHz					
Test location (stand)	ITL EI	L EMC floor			
Test set up description:	Norma	ormal test set up			
Selected window size	\square	100 mm x 100 mm (maximum)			
		Other:			
Test distance d	\boxtimes	(50 ± 3) mm			
		Other: 0.15m			
Frequencies applied	\boxtimes	30 kHz			
	\square	134,2 kHz			
Supplementary information:					





Magnetic field immunity 150 kHz to 26 MHz					
Test location (stand)	ITL EN	IC floor			
Test set up description:	Norma	rmal test set up			
Selected windows size	\square	80 mm x 80 mm (maximum)			
	Other: e.g. Testing at selected points only (See result table)				
Test distance d	\boxtimes	(50 ± 3) mm			
	Other: 0.15m				
Frequency applied	13,56 I	3,56 MHz			
Supplementary information:	Tested	l on VC3 (12")			

Test results						
Frequencies	Test Level [A/m]	Point / Window	Modulation	Operating mode	Dwell time [s]	Observations
30 kHz	8	All points on photo below	CW	1	3	none
134,2 kHz	65	All points on photo below	Pulse modulation 2,1 kHz	1	3	none
13,56 MHz	7,5	All points on photo below	Pulse modulation 50 kHz	1	3	none
Supplementary ir oximetry and cu	nformation: ff pressure	Configuration: control (for te	HW configuration – sts)	With Oxyge	n mixer, ca	apnography,













7.12 Specialized Emissions and Immunity tests

Not Applicable

SP	TABLE: Additional or special tests conducted				
Standard	CLAUSE AND NAME OF TEST	Test type and condition	Observed results		
Supplementary	nformation: N/A				
Supplementary I	nformation: N/A				





8 Accompanying documents as required by IEC 60601-1-2

Clause	Requirement + Test	Result - Remark	Verdict				
use PC in th	use PC in the Verdict column when the item is confirmed as present in the associated documents.						
4	GENERAL REQUIREMENTS						
4.1	RISKS resulting from reasonably foreseeable ELECTROMAGNETIC DISTURBANCES shall be taken into account in THE RISK MANAGEMENT PROCESS.	RMF Reference Document: DOC-0428 Rev A02 Clause:4.1 Risk No:2	Ρ				
4.2	Non-ME EQUIPMENT used in an ME SYSTEM						
	Check 16.1 of general standard, checked by inspection of the RISK MANAGEMENT FILE and OBJECTIVE EVIDENCE of compliance with the respective EMC standards, or by the tests of this collateral standard		N/A				
	Non- ME EQUIPMENT used in an ME SYSTEM shall comply with IEC and ISO EMC standards applicable to that equipment, checked by inspection of the RISK MANAGEMENT FILE and OBJECTIVE EVIDENCE of compliance with the respective EMC standards, or by the tests of this collateral standard		N/A				
	Non- ME EQUIPMENT used in an ME SYSTEM for which the intended EM ENVIRONMENT could result in the loss of BASIC SAFETY or ESSENTIAL PERFORMANCE of the ME SYSTEM due to the non- ME EQUIPMENT shall be tested according to the requirements of this collateral standard, checked by inspection of the RISK MANAGEMENT FILE and OBJECTIVE EVIDENCE of compliance with the respective EMC standards, or by the tests of this collateral standard		N/A				
4.3.1	Configurations						
	ME EQUIPMENT and ME SYSTEMS shall be tested in representative configurations, consistent with INTENDED USE, that are most likely to result in unacceptable RISK. as determined by the MANUFACTURER. This shall be determined using RISK ANALYSIS, experience, engineering analysis, or pretesting. Compliance is checked by inspection of the test report and the RISK MANAGEMENT FILE.		N/A				
4.3.3	Power input and frequencies	See appended Item 1	Р				







Clause	Requirement + Test	Result - Remark	Verdict				
Note: For ite use PC in th	Note: For items that require a presence check of the RISK MANAGEMENT PROCESS or RISK MANAGEMENT FILE, use PC in the Verdict column when the item is confirmed as present in the associated documents.						
5	IDENTIFICATION, MARKING AND DOCUMENTS						
5.1	Additional requirements for marking on the outside of M specified for use only in a shielded location SPECIAL EN	IE EQUIPMENT and ME SYSTEM VIRONMENT	S				
	ME EQUIPMENT and ME SYSTEMS specified for use only in a shielded location SPECIAL ENVIRONMENT shall be labelled with a CLEARLY LEGIBLE warning that they should be used only in the specified type of shielded location		N/A				
5.2	ACCOMPANYING DOCUMENTS						
5.2.1	Instructions for use						
5.2.1.1	General						
a)	A statement of the ENVIRONMENTS for which the ME EQUIPMENT or ME SYSTEM is suitable. Relevant exclusions, as determined by RISK ANALYSIS, shall also be listed.	RMF Reference Document: DOC-0428 Rev A02 Clause:4.9 Risk No:143 - 147	Ρ				
b)	The ESSENTIAL PERFORMANCE of ME EQUIPMENT and a description of what the operator can expect if the ESSENTIAL PERFORMANCE is lost or degraded due to EM disturbances.	Section 14.1.1 EMC statement of Essential Performance in the UM	Ρ				
c)	A warning regarding stacking and location close to other equipment	Section 14.1.1 EMC statement of Essential Performance in the UM	Р				
d)	List of cables, transducers and accessories	Section 14.1.1 EMC statement of Essential Performance in the UM	Р				
e)	A warning that other cables and accessories may negatively affect EMC performance	Section 14.1.1 EMC statement of Essential Performance in the UM	Р				
f)	A statement that portable RF communications equipment. Including antennas, can effect ME EQUIPMENT. The warning should include a use distance such as "be used no closer than 30 cm (12 inches) to any part of the [ME EQUIPMENT or ME SYSTEM], including cables specified by the manufacturer"	Section 14.1.1 EMC statement of Essential Performance in the UM	Ρ				
5.2.1.2	Requirements applicable to ME EQUIPMENT and ME SYST CISPR 11	EMS classified class A accord	ding to				





Clause	Requirement + Test	Result - Remark	Verdict
Note: For items that require a presence check of the RISK MANAGEMENT PROCESS or RISK MANAGEMENT FILE,			
use PC in th	ne Verdict column when the item is confirmed as present	in the associated documents	S.
	ME EQUIPMENT and ME SYSTEMS that are classified class A according to CISPR 11, the instructions for use shall include the following note:		Р
	NOTE The EMISSIONS characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential ENVIRONMENT (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re- orienting the equipment.		
5.2.2	Technical description		
5.2.2.1	Requirements applicable to all ME EQUIPMENT and ME SYSTEMS		
	The technical description shall describe precautions to be taken to prevent adverse events to the PATIENT and OPERATOR due to ELECTROMAGNETIC DISTURBANCES	See 14.4 – table in the UM	Ρ
a)	Compliance for each EMISSION and IMMUNITY standard or test specified by this collateral standard, e.g. EMISSIONS class and group and I IMMUNITY TEST LEVEL	14.4 – Tables 1, 2 & 3 in the UM	Ρ
b)	Any deviations from this collateral standard and allowances used		N/A
c)	All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to ELECTROMAGNETIC DISTURBANCES for the EXPECTED SERVICE LIFE	14.4 – Table 5 in the UM	Р
5.2.2.2	Requirements applicable to ME EQUIPMENT specified for use only in shielded location SPECIAL ENVIRONMENT		
	The technical description shall include the following information:		
a)	A warning to the effect that: WARNING: Failure to use this equipment in the		N/A
	degradation of performance, interference with other equipment or interference with radio services		
b)	Specifications for shielded location including:		N/A
	 minimum RF shielding effectiveness; for each cable that enters or exits the shielded location, the minimum RF filter attenuation; and 		
	 the frequency range(s) over which the specifications apply 		
c)	Test methods for measurement of RF shielding effectiveness and RF filter attenuation		N/A

TRF No. IEC60601_1_2J_EMC ITL059_V.1_19.05.22_60601-1-2J_EMC





Clause	Requirement + Test	Result - Remark	Verdict
Note: For items that require a presence check of the RISK MANAGEMENT PROCESS or RISK MANAGEMENT FILE, use PC in the Verdict column when the item is confirmed as present in the associated documents.			
d)	one or more of the following and a recommendation that a notice containing this information be posted at the entrance(s) to the shielded location:		N/A
	 a specification of the EMISSIONS characteristics of other equipment allowed inside the shielded location with the ME EQUIPMENT or ME SYSTEM; 		
	- a list of specific equipment allowed;		
	– a list of types of equipment prohibited.		
5.2.2.3	Requirements applicable to ME EQUIPMENT that intentionally receive RF electromagnetic energy shall include the following information:		N/A
	 each frequency or frequency of reception 		
	 the preferred frequency or frequency band, if applicable, and 		
	- the bandwidth of the receiving section of the ME EQUIPMENT in those bands		
5.2.2.4	Requirements applicable to the ME EQUIPMENT that include RF transmitters the technical description shall include:		N/A
	Frequency or frequency band of transmission, the type and frequency characteristics of the modulation and the EFFECTIVE RADIATED POWER		
5.2.2.5	Requirements applicable to PERMANENTLY INSTALLED LARGE ME EQUIPMENT and LARGE ME SYSTEMS		
	The technical description shall include the following information:		
a)	A statement that an exemption has been used and that the equipment has not been tested for radiated RF IMMUNITY over the entire frequency range 80 MHz to 6 GHz		N/A
b)	A warning to the effect that "WARNING: This equipment has been tested for radiated RF IMMUNITY only at selected frequencies, and use nearby of emitters at other frequencies could result in improper operation"		N/A
c)	A list of the frequencies and modulations used to test the IMMUNITY of the ME EQUIPMENT OF ME SYSTEM		N/A
5.2.2.6	Requirements applicable to ME EQUIPMENT that claim compatibility with HF SURGICAL EQUIPMENT		
	The technical description shall include in the technical description a statement of HF SURGICAL EQUIPMENT compatibility and the conditions of INTENDED USE during HF surgery		N/A



Clause	Requirement + Test	Result - Remark	Verdict
6.1	Documentation of tests - General		
	The documentation of tests shall contain all information necessary to facilitate adequate planning (test plan) and execution of tests	See appended Item 1	Р
6.2	Test Plan		
	Prior to the start of formal testing, a detailed test plan shall be provided to the test laboratory.	See appended Item 1	Р

7	ELECTROMAGNETIC EMISSIONS requirements for ME EQUIPMENT and ME SYSTEMS		
Clause	Requirement + Test	Result - Remark	Verdict
7.1.1	Protection of radio services and other equipment - General		
	Unless otherwise specified herein, ME EQUIPMENT and ME SYSTEMS shall comply with CISPR 11		Р
7.1.2	Operating modes		
	During EMISSIONS testing, ME EQUIPMENT or ME SYSTEM shall be tested in the modes that maximize EMISSIONS. In addition to active modes, inclusion of standby mode should be considered. The operating modes selected for testing should be documented in the test plan and shall be documented in the test report	See appended Item 1	Ρ
7.1.3	Multimedia Equipment		
	Multimedia equipment connected to ME EQUIPMENT or ME SYSTEM shall comply with CISPR 32. If CISPR 32 class A equipment is supplied as part of the ME SYSTEM, the ME SYSTEM shall be classified class A		N/A
7.1.4	Subsystems		
	Compliance with CISPR 11 may be demonstrated by testing each subsystem of an ME SYSTEM on a subsystem basic, provided the requirements of CISPR 11 for evaluation of equipment that interacts with other equipment to form a system are met		N/A
7.1.5	ME EQUIPMENT and ME SYSTEMS specified for use only in ENVIRONMENT	a shielded location SPECIAL	
	For ME EQUIPMENT and ME SYSTEMS that are specified for use only in a shielded location SPECIAL ENVIRONMENT, the ELECTROMAGNETIC radiation disturbance limits of CISPR 11 may be increased, when tests are performed on a test site, by an amount up to the applicable specified value of minimum RF shielding effectiveness, provided the minimum RF shielding effectiveness specification		N/A





7	ELECTROMAGNETIC EMISSIONS requirements for ME EQUIPMENT and ME SYSTEMS		
Clause	Requirement + Test	Result - Remark	Verdict
	For ME EQUIPMENT and ME SYSTEMS that are specified for use only in a shielded location SPECIAL ENVIRONMENT, the mains terminal disturbance voltage limits of CISPR 11 may be increased, when tests are performed on a test site, by an amount up to the applicable specified value of minimum RF filter attenuation for all cables that enter or exit the shielded location, provided the minimum RF filter attenuation specification		N/A
a)	The specified RF shielding effectiveness and RF filter attenuation shall; - be expressed in dB; - be rounded to the nearest integer; and - be at least 20 dB.		N/A
b)	The RF shielding effectiveness and RF filter attenuation specification shall include the frequency range over which the RF shielding effectiveness and RF filter attenuation apply, and this frequency range shall be at least one decade in width		N/A
c)	The specified value(s) for minimum RF filter attenuation shall be identical to the specified value(s) for minimum RF shielding effectiveness in each frequency range for which they are specified		N/A
d)	In frequency ranges for which the minimum RF shielding effectiveness and RF filter attenuation are not specified or are specified to be less than 20 dB, the RF shielding effectiveness and RF filter attenuation shall be assumed to be 0 dB for the purpose of this collateral standard		N/A
7.1.6	ME EQUIPMENT and ME SYSTEMS that include radio equipment		
	ME EQUIPMENT and ME SYSTEMS that include radio equipment (e.g. RF transmitters, receivers, transceivers) and have been tested together with the radio equipment and found to comply with applicable national radio regulations are exempt from testing to CISPR ELECTROMAGNETIC DISTURBANCE requirements.		Ρ
7.1.7	ME EQUIPMENT whose main functions are performed by motors and switching or regulating devices		
	ME EQUIPMENT whose main functions are performed by motors and switching or regulating devices may be classified in accordance with CISPR 14-1		N/A
7.1.8	ME EQUIPMENT and ME SYSTEMS containing X-ray generation	ators	





7	ELECTROMAGNETIC EMISSIONS requirements for ME EQUIPMENT and ME SYSTEMS		
Clause	Requirement + Test	Result - Remark	Verdict
	For diagnostic X-ray generators and ME SYSTEMS that include X-ray generators operating in INTERMITTENT MODE, the quasi-peak limits to discontinuous radiated and conducted DISTURBANCES can be relaxed by 20 dB		N/A
7.1.12	PERMANENTLY INSTALLED LARGE ME EQUIPMENT and LARG	GE ME SYSTEMS	
	PERMANENTLY INSTALLED LARGE ME EQUIPMENT and LARGE ME SYSTEMS shall be TYPE TESTED by at least one of the following methods: - on a test site as a system;		N/A
	 on a test site on a subsystem basis; <i>in situ</i> as a system at the premises of a RESPONSIBLE ORGANIZATION 		
	TEST METHOD SELECTED		
7.2	Protection of the PUBLIC MAINS NETWORK		
7.2.1	Harmonic distortion		
	If the ME EQUIPMENT OR ME SYSTEMS with a RATED a.c. mains network voltage greater than or equal to 220 V a.c. line-to-neutral and less than or equal to 16 A per phase is intended to be connected a PUBLIC MAINS NETWORK it shall comply with the requirements of IEC 61000-3-2 Compliance is checked by inspection of the	See Appended Item 5	Ρ
	ACCOMPANYING DOCUMENTS and the test report.		
7.2.2	Voltage fluctuations and flicker		
	If the ME EQUIPMENT OR ME SYSTEMS with a RATED a.c. mains network voltage greater than or equal to 220 V a.c. line-to-neutral and less than or equal to 16 A per phase is intended to be connected a PUBLIC MAINS NETWORK it shall comply with the requirements of IEC 61000-3-3.	See Appended Item 6	Р
	Compliance is checked by inspection of the ACCOMPANYING DOCUMENTS and the test report.		









Clause	Requirement + Test	Result - Remark	Verdict
Note: For items that require a presence check of the RISK MANAGEMENT PROCESS or RISK MANAGEMENT FILE, use PC in the Verdict column when the item is confirmed as present in the associated documents.			
8	ELECTROMAGNETIC IMMUNITY requirements for ME EQUIPMENT and ME SYSTEMS		
	For ME EQUIPMENT and ME SYSTEMS for which the INTENDED USE includes types of transportation or other locations as in the HOME HEALTHCARE ENVIRONMENT if additional IMMUNITY tests or IMMUNITY TEST LEVELS that are higher these additional tests to these higher IMMUNITY TEST LEVELS shall be documented		N/A
	ME EQUIPMENT or ME SYSTEMS intended for use in the EMERGENCY MEDICAL SERVICES ENVIRONMENT for the HOME HEALTHCARE ENVIRONMENT. If locations in the EMERGENCY MEDICAL SERVICES ENVIRONMENT are identified for which the specifications are for the HOME HEALTHCARE ENVIRONMENT are not adequate, then Annex E may be used to determine appropriate IMMUNITY TEST LEVELS		N/A
	Before IMMUNITY testing begins, the MANUFACTURER shall determine specific, detailed IMMUNITY pass/fail criteria, based on applicable part two standards or RISK MANAGEMENT, for BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to EM DISTURBANCES. The pass/fail criteria and the monitoring specification should be included in the test plan and shall be included in the test report and the RISK MANAGEMENT FILE	RMF Reference Document: DOC-0428 Rev A02	Ρ
8.2	PATIENT physiological simulation		
	If a PATIENT simulation is required to verify normal operation of the ME EQUIPMENT or ME SYSTEM, it shall be provided during IMMUNITY testing		N/A
	Prior to the beginning of the test, the amplitude of simulated PATIENT physiological signals shall be adjusted to be consistent with normal operation of the ME EQUIPMENT OF ME SYSTEM, as specified by the MANUFACTURER		N/A
8.5	Subsystems		
	When subsystems are tested to demonstrate compliance, normal operating conditions are simulated		N/A
	The RISK MANAGEMENT PROCESS shall be used to determine whether subsystem testing is allowed.		N/A
8.6	Permanently installed LARGE ME EQUIPMENT and LARGE ME SYSTEMS		
	PERMANENTLY INSTALLED LARGE ME EQUIPMENT and LARGE ME SYSTEMS shall be TYPE TESTED by at least one of the following methods:		N/A




Page 73 of 85

Clause	Requirement + Test	Result - Remark	Verdict					
Note: For it use PC in t	Note: For items that require a presence check of the RISK MANAGEMENT PROCESS or RISK MANAGEMENT FILE use PC in the Verdict column when the item is confirmed as present in the associated documents.							
8	ELECTROMAGNETIC IMMUNITY requirements for ME EQ	UIPMENT and ME SYSTE	MS					
	 on a test site as a system; on a test site on a subsystem basis; <i>in situ</i> as a system at the premises of a RESPONSIBLE ORGANIZATION 							
	Test Method selected		Test Method selected					
8.7	Operating Modes							
	Operating Modes and settings	RMF Reference Document: DOC-0428 Rev A02 Clause: 4.5 Risk No: 84, 85, 86,104,105	Ρ					
8.8	Non- ME EQUIPMENT							
	Non- ME EQUIPMENT (e.g. ITE) that is a part of an ME SYSTEM shall fulfil the pass/fail criteria and IMMUNITY TEST LEVELS of Clause 8 if it has been determined, as a result of the RISK MANAGEMENT PROCESS, that the non- ME EQUIPMENT could affect the BASIC SAFETY or ESSENTIAL PERFORMANCE of the ME SYSTEM. Compliance is checked by inspection of the test report and the RISK MANAGEMENT FILE		N/A					
8.9								
	IMMUNITY TEST LEVELS based on ENVIRONMENT location of INTENDED USE	RMF Reference Document: DOC-0428 Rev A02 Clause: 4.1 Risk No: 2	Ρ					
8.10	IMMUNITY to proximity fields from RF wireless communica	tion equipment						
	ENCLOSURE PORT of ME EQUIPMENT and ME SYSTEMS shall, be tested as specified in Table 9 as per IEC 61000-4-3	RMF Reference Document: DOC-0428 Rev A02 Clause: 4.1 Risk No: 2	Ρ					





9 List of test equipment

Equipment used										
Equipment	Manufacturer	Туре	Inventory number	Last calibration	Calibration due date					
LISN	Solar Electronics	8028-50- TS-24-BNC	007-010-001	30/06/2021	30/06/2022					
Cable CE Chamber 5M	Telrad	RJ214	ITL1705	25/04/2021	25/04/2022					
Transient Limiter	HP	11947A	3107A03041	14/09/2021	14/09/2022					
EMI Test Receiver	Rohde & Schwarz	ESCI7	100724	20/02/2022	20/02/2023					
EMI Receiver	HP	8542E	3906A00276	22/02/2022	22/02/2023					
EMI Receiver Filter	HP	85420E	3906A00276	22/02/2022	22/02/2023					
Biconical Antenna	EMCO	3110B	9912-3337	27/04/2021	27/04/2023					
Log-periodic Antenna	EMCO	3146	9505-4081	27/04/2021	27/04/2024					
EMC Analyzer	HP	8593 EM	3826A00265	22/02/2022	20/02/2023					
Harmonics Flicker & Power Analyzer	Laplace Instruments	AC2000A	439269	03/05/2021	03/05/2022					
AC Power Supply 0-400Hz	KIKUSUI	PCR1000M	TK000848	NCR	NCR					
ESD Simulator	KIKUSUI	KES4021A	UG002517	19/01/2022	19/01/2023					
Isotropic Field Prob	AR	FP2080	23190	18/07/2021	18/07/2023					
Isotropic Field Monitor	AR	FM-2000	23294	NCR	NCR					
Biconilog Antenna	EMCO	3142B	1078	04/07/2021	04/07/2022					
Horn Antenna	ETS	3115	29845	25/05/2021	25/05/2024					
RF Amplifier	AR	100W1000 M1	19842	NCR	NCR					
RF Amplifier	Microwave Power Equipment Inc.	PA-47-0- 800/6000	0002	NCR	NCR					
Signal Generator	HP	8657A	3430U2142	22/02/2022	20/02/2023					
Signal Generator	HP	83731A	3339A00600	22/02/2022	20/02/2023					
Signal / frequency Generator	Wiltron	6747B	278007	02/05/2021	02/05/2022					
Transient Generator	KeyTek	CEMASTER	9612436	21/02/2022	21/02/2023					
Capacitive Clamp	Keytek	-	-	NCR	NCR					
Surge Generator	CDI	CDI 1000i	3153	21/02/2022	21/02/2024					
RF Amplifier	IFI	M100	M612-0208	NCR	NCR					
Current Injection Probe (10KHz-230MHz)	FCC	F-120-9A	111592	28/07/2021	28/07/2022					

TRF No. IEC60601_1_2J_EMC ITL059_V.1_19.05.22_60601-1-2J_EMC





Page 75 of 85

Report No. E250570.01

CDN	FCC	FCC-801- M3-25	90	27/01/2022	27/01/2023
Magnetic Loop	FCC	F-1000-4-8- G-125A + L- 1M	9837+9836	01/01/2022	01/01/2023

* Calibration interval extended based on sufficient calibration data and experience of use (see IECEE OD-5011:2015 clause 8.3)





10 Statement of Measurement Uncertainty

Stater	ment concerning the uncertainty of the measurement systems used for the tests
	Internal procedure used for type testing through which traceability of the measuring uncertainty has been established: ITL #1911
\boxtimes	
	Calculations leading to the reported values below are on file with the NCB and testing laboratory that conducted the testing.
	For MIU details for emission (according to CISPR 11 and CISPR 14-1) see table below.
	Statement not required by the standard used for type testing:
Supple	ementary information: N/A

Parameter/ Measurement / test method	Requirement U _{CISPR}	Calculated U of M U _{lab}
Conducted Emission	EN 55011/CISPR11, EN55022/CISPR 22, ANSI C63.4	± 3.44 dB
Radiated Emission	EN 55011/CISPR11, EN55022/CISPR 22, ANSI C63.4	± 4.98 dB
ESD	EN/IEC 61000-4-2	± 10 %
Radiated Immunity	EN/IEC 61000-4-3	± 2.2 dB
EFT/B	EN/IEC 61000-4-4	± 10 %
Conductive Surges	EN/IEC 61000-4-5	±9%
Conducted RF Disturbances	EN/IEC 61000-4-6	± 2.4 dB
Voltage Dips and Short Interruptions	EN/IEC 61000-4-11	±6%





Report No. E250570.01

Attachment 1 Declarations

Date May 18, 2022

Declaration Letter for the implementation of an EMC suppressing ferrite into the Ventoux device as part of its Manufacture

This is to you inform that we Flight Medical Innovations Ltd. 7 Hatnufa St. Petach Tikva 4951025, PO box 3172, Israel have implemented the process of adding an EMC suppressing ferrite into the Ventoux to the cable between the display board to main board as indicated in the photo below.



Ferrite used: WE-TOF EMI Suppression Toroidal Ferrite.

A 74270151.pdf Signature : Ken Raichman Name Designation : Director of QA & Regulatory Affairs

Flight Medical Innovations Ltd, 7 Hitt rufa St. Petach Tikva 4951025 , PO box 3172, Israel Tel: +972 3 6731660, Fax: +972 3 6731690

TRF No. IEC60601_1_2J_EMC ITL059_V.1_19.05.22_60601-1-2J_EMC





Page 78 of 85

Report No. E250570.01



Ventoux - Compliance Declaration

We, Flight Medical Innovations, declare that the Ventoux 8" (VC2) ventilator is identical to the Ventoux 12" (VC3) ventilator in all respects (electrically and mechanically) except for the size of the Display Screen, where the VC2 has an 8" screen and the VC3 has a 12" screen.

Date: 06.04.2022

a.c d

Ken Raichman, Regulatory & QA Manager

TRF No. IEC60601_1_2J_EMC ITL059_V.1_19.05.22_60601-1-2J_EMC





Т

Attachment 2 worst case

V8 Preliminary Radiated Emission 05.12.2021



	11	2	J	4	p	0	
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver
Hz	dBuV/m	dBuV/m	dB	dBu¥/m	dBuV/m	deg.	deg.
159.66 MHz	50.21	50.0	0.207	50.21	43.29	269.400	180.100
178.09 MHz	46.87	50.0	-3.130	46.87	40.28	89.400	90.300
179.06 MHz	46.87	50.0	-3.130	46.87	40.80	89.400	60.100
203.79 MHz	46.87	50.0	-3.131	46.87	43.26	329.300	180.100
204.28 MHz	46.81	50.0	-3.187	46.81	43.31	1.400	180.100
224.00 MHz	46.74	50.0	-3.263	46.74	39.14	179.300	120.200
235.80 MHz	50.71	57.0	-6.287	50.71	42.36	1.400	-0.400
238.87 MHz	50.70	57.0	-6.304	50.70	43.20	1.400	330.700
261.02 MHz	50.58	57.0	-6.424	50.58	40.93	179.300	90.300
269.10 MHz	50.53	57.0	-6.468	50.53	37.53	29.400	90.300
277.03 MHz	50.49	57.0	-6.511	50.49	36.69	1.400	90.300
279.29 MHz	50.48	57.0	-6.524	50.48	37.84	1.400	300.300
279.45 MHz	50.40	57.0	-6.598	50.40	37.92	29.400	300.300
299.82 MHz	46.37	57.0	-10.628	46.37	38.63	269.400	300.300
300.79 MHz	46.44	57.0	-10.558	46.44	38.42	239.200	300.300





Т



	1.	<u>r</u>	3	-	1.2	lo.	r i	L
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver	T
Hz	dBu¥/m	dBuV/m	dB	dBu¥/m	dBu¥/m	deg.	deg.	Γ
91.11 MHz	45.51	50.0	-4.491	40.28	45.51	179.000	30.200	Γ
148.02 MHz	45.24	50.0	-4.759	45.24	37.51	89.200	30.200	Γ
180.83 MHz	45.50	50.0	-4.503	45.50	42.45	89.200	30.200	Γ
203.63 MHz	49.37	50.0	-0.629	49.37	43.83	328.900	180.300	Γ
207.83 MHz	49.25	50.0	-0.747	49.25	44.08	328.900	210.000	Γ
229.82 MHz	48.64	50.0	-1.364	48.64	39.09	149.200	150.200	Γ
245.83 MHz	48.19	57.0	-8.813	48.19	42.51	29.100	-0.200	Γ
257.14 MHz	47.87	57.0	-9.130	47.87	41.64	29.100	-0.200	Γ
265.87 MHz	47.69	57.0	-9.312	47.69	40.96	1.500	90.200	Γ
272.82 MHz	47.54	57.0	-9.457	47.54	37.70	89.200	90.200	Γ
279.45 MHz	47.40	57.0	-9.596	47.40	38.10	179.000	300.100	Γ
297.23 MHz	46.24	57.0	-10.759	46.24	39.16	209.400	300.100	Γ
299.82 MHz	45.84	57.0	-11.157	45.84	39.31	179.000	330.300	Γ
301.28 MHz	45.62	57.0	-11.381	45.62	39.26	209.400	90.200	Γ
906.40 MHz	47.61	57.0	-9.390	42.73	47.61	328.900	90.200	Γ
								Γ
								Г

215.00 MHz Hor-pol Peak=46.3dBuV/m, QP=42.8dBuV/m





Vectorious 8' test for worst case testing



TOP Peaks

07:57:38 PM, Sunday, December 05, 2021

	1	2	3	4	5	6	7
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver
Hz	dBuV/m	dBuV/m	dB	dBuV/m	dBuV/m	deg.	deg.
86.91 MHz	42.52	50.0	-7.478	38.71	42.52	119.300	30.000
162.73 MHz	42.88	50.0	-7.124	42.88	40.22	299.100	150.200
182.61 MHz	49.90	50.0	-0.096	49.90	44.75	299.100	210.100
182.77 MHz	49.91	50.0	-0.093	49.91	44.79	329.200	330.000
206.05 MHz	50.38	50.0	0.376	50.38	45.98	179.200	30.000
218.66 MHz	50.63	50.0	0.630	50.63	44.60	179.200	30.000
245.50 MHz	49.83	57.0	-7.175	49.83	41.67	269.300	240.400
252.62 MHz	49.61	57.0	-7.388	49.61	41.34	269.300	90.000
279.45 MHz	46.21	57.0	-10.786	46.21	40.10	-0.200	300.000
499.80 MHz	44.23	57.0	-12.772	40.69	44.23	209.400	330.000
499.96 MHz	44.22	57.0	-12.783	40.70	44.22	209.400	330.000
519.04 MHz	42.85	57.0	-14.151	40.81	42.85	29.300	90.000
598.90 MHz	43.79	57.0	-13.208	43.79	40.50	29.300	300.000
906.56 MHz	44.31	57.0	-12.689	43.24	44.31	149.000	60.400
958.13 MHz	43.15	57.0	-13.851	43.15		269.300	-0.300







TOP Peaks

08:26:20 PM, Sunday, December 05, 2021

	· · ·	-					
	1	2	3	4	5	6	7
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver
Hz	dBuV/m	dBuV/m	dB	dBuV/m	dBu¥/m	deg.	deg.
88.85 MHz	44.12	50.0	-5.879	33.65	44.12	89.100	120.100
90.95 MHz	43.61	50.0	-6.394	33.06	43.61	269.200	90.000
179.70 MHz	47.39	50.0	-2.606	47.39	46.18	269.200	150.300
182.61 MHz	48.67	50.0	-1.326	48.67	46.10	269.200	150.300
199.59 MHz	48.15	50.0	-1.853	48.15	45.66	149.000	270.300
206.05 MHz	48.07	50.0	-1.930	48.07	45.49	1.800	-0.100
247.44 MHz	47.58	57.0	-9.425	47.58	45.68	29.300	-0.100
255.69 MHz	47.48	57.0	-9.523	47.48	45.03	29.300	-0.100
279.29 MHz	46.44	57.0	-10.564	46.44	43.16	1.800	30.100
499.80 MHz	45.97	57.0	-11.032	41.13	45.97	209.300	-0.100
519.04 MHz	43.94	57.0	-13.063	39.61	43.94	29.300	60.400
598.90 MHz	44.14	57.0	-12.858	44.14	40.36	29.300	60.400
791.93 MHz	45.78	57.0	-11.221	41.58	45.78	209.300	90.000
912.70 MHz	52.27	57.0	-4.734	52.27	49.17	329.000	30.100
912.86 MHz	52.28	57.0	-4.720	52.28		299.000	150.300



Page 83 of 85

TOP Peaks



Worst case Preliminary Radiated Emission V12-1 configuration

05:50:43 PM, Sunday, December 05, 2021

			_					
	1	2	3	4	5	6	7	
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver	
Hz	dBu¥/m	dBuV/m	dB	dBuV/m	dBu¥/m	deg.	deg.	
64.60 MHz	45.46	50.0	-4.539	30.89	45.46	119.400	180.000	
65.57 MHz	45.88	50.0	-4.122	31.10	45.88	119.400	180.000	
92.24 MHz	45.09	50.0	-4.913	36.89	45.09	89.200	-0.200	
92.40 MHz	45.08	50.0	-4.918	36.91	45.08	299.000	-0.200	
183.42 MHz	46.54	50.0	-3.463	46.54	40.43	89.200	-0.200	
193.77 MHz	48.56	50.0	-1.440	48.56	42.71	299.000	210.300	
209.29 MHz	51.60	50.0	1.596	51.60	43.51	29.200	240.100	
218.66 MHz	53.43	50.0	3.430	53.43	43.28	-0.100	90.300	
223.51 MHz	53.06	50.0	3.063	53.06	43.16	89.200	120.000	
249.87 MHz	51.07	57.0	-5.927	51.07	43.08	329.000	330.300	
290.77 MHz	50.93	57.0	-6.069	50.93	42.00	209.500	150.400	
292.55 MHz	50.92	57.0	-6.076	50.92	42.03	209.500	120.000	
775.77 MHz	45.76	57.0	-11.243	45.76	41.67	329.000	210.300	
905.10 MHz	46.69	57.0	-10.310	46.69	43.20	149.000	120.000	
935.82 MHz	45.04	57.0	-11.961	45.04	43.57	149.000	240.100	
								-









TOP Peaks

08:52:17 PM, Sunday, December 05, 2021

	1	2	3	4	5	6	7
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver
Hz	dBuV/m	dBuV/m	dB	dBuV/m	dBu¥/m	deg.	deg.
94.18 MHz	43.45	50.0	-6.545		43.45	209.400	120.000
109.06 MHz	42.52	50.0	-7.478	35.88	42.52	89.000	150.300
129.26 MHz	42.11	50.0	-7.895	42.11	41.26	209.400	150.300
186.17 MHz	48.52	50.0	-1.481	48.52	44.06	269.200	240.000
188.76 MHz	48.73	50.0	-1.274	48.73	44.75	299.300	270.000
212.84 MHz	50.66	50.0	0.660	50.66	46.70	239.200	179.900
227.72 MHz	48.62	50.0	-1.380	48.62	47.90	239.200	0.000
249.87 MHz	53.48	57.0	-3.517	53.48	49.69	1.800	300.200
289.96 MHz	48.59	57.0	-8.406	48.59	46.37	179.200	330.400
323.10 MHz	43.62	57.0	-13.378	43.42	43.62	179.200	240.000
449.85 MHz	41.42	57.0	-15.583	39.62	41.42	119.200	179.900
775.77 MHz	48.56	57.0	-8.439	44.93	48.56	329.100	179.900
904.94 MHz	53.12	57.0	-3.880	45.26	53.12	209.400	179.900
911.08 MHz	53.34	57.0	-3.664	44.39	53.34	269.200	270.000
911.89 MHz	44.27	57.0	-12.727	44.27		89.000	30.000
				. 1			

211.1MHz Peak=51.4dBuV/m, QP=46.9dBuV/m.









TOP Peaks

09:30:11 PM, Sunday, December 05, 2021

			1	1		1	1 ——
	1	2	3	4	5	6	7
Frequency	Max Peaks	Limit EN	Delimit	Peak_Hor	Peak_Ver	Angle Hor	Angle Ver
Hz	dBu¥/m	dBuV/m	dB	dBuV/m	dBuV/m	deg.	deg.
111.00 MHz	46.09	50.0	-3.910	35.51	46.09	209.300	240.300
115.04 MHz	46.80	50.0	-3.203	35.37	46.80	269.200	180.000
129.26 MHz	49.29	50.0	-0.715	48.61	49.29	209.300	180.000
140.74 MHz	44.13	50.0	-5.872	44.13	38.75	119.100	150.400
184.55 MHz	47.33	50.0	-2.667	47.33	44.56	209.300	270.200
187.14 MHz	47.38	50.0	-2.618	47.38	45.52	239.300	270.200
193.77 MHz	47.51	50.0	-2.491	47.51	46.09	119.100	240.300
209.93 MHz	48.08	50.0	-1.915	48.08	47.49	269.200	180.000
249.87 MHz	52.95	57.0	-4.047	52.95	50.93	329.300	300.100
274.92 MHz	49.79	57.0	-7.214	49.79	49.41	179.200	270.200
775.77 MHz	46.27	57.0	-10.728	46.27	43.01	329.300	210.200
910.92 MHz	54.68	57.0	-2.325	54.68	49.40	239.300	-0.100
911.24 MHz	51.17	57.0	-5.827	51.17	49.42	239.300	60.000
911.57 MHz	47.67	57.0	-9.330	47.67		209.300	30.300
935.98 MHz	44.45	57.0	-12.549	44.45		149.300	210.200
		1					

129.3 MHz Peak=54.9dBuV/m, QP=51.5dBuV/m

End of the Report