





DEKRA Testing and Certification S.r.I. Sede Operativa: Via della Fisica 20, 36016 Thiene (VI), Tel. +39 0445 367702 - info.thiene@dekra.com
Accredited by ACCREDIA according to UNI CEI EN ISO/IEC 17025 accreditation n. 0168 L

TEST REPORT Nr. R23148301 Federal Communication Commission (FCC) Report Reference No. R23148301 Date of issue: 04.08.2023 Total number pages: 33 Address | Via Calmaggiore, 10/4 – 31100 Treviso (TV) – Italy Test specification: Standards | FCC Rules & Regulations, Title 47:2022 Part 15 paragraph(s): 203, 204, 207, 209 and 231 Non-standard test method N/A Test Report Form No. 15-231_DEKRA Test Report Form(s) Originator...: DEKRA Testing and Certification S.r.l. Master TRF 2023-08 General disclaimer: 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 DEKRA Testing and Certification S.r.l. (*) Test item description Transmitter NOON TVLINK/RTS (*) Trademark | Teleco Automation (*) Manufacturer |Teleco Automation S.r.l. (*) Model / Type reference: RTNOON916NMRC (*) FCC IDP59RTNOON916 (*) Rating(s)...... |3 Vdc from battery Report Tested by (name + signature): M. Segalla Approved by (name + signature) F. Marenda

(*) information provided by the customer







1	Summary	
1	Summary	2
2	Reference standard	3
3	List of attachments	
4	Deviation(s) from test specification	3
5	Testing location	
6	General description of test item(s)	5
	6.1 Photos of the test item	6
7	Verdict summary section	7
8	Test conditions	
	8.1 General	9
9	Test results	10
	9.1 Antenna requirements	10
	9.2 Radiated emissions and spurious emissions	11
	9.3 Field strength of fundamental	23
	9.4 Occupied channel bandwidth	26
	9.5 Periodic operation characteristics	28
1		







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FCC Rules and Regulation Title 47 part 15:2022 --

3 List of attachments

Attachment 1: Measurement uncertainty, judgement of compliance and quality manual references

4 Deviation(s) from test specification

None

5 Testing location

DEKRA Testing and Certification S.r.l.

Via della Fisica, 20 – 36016 Thiene (VI) – Italy

Test site facility's FCC registration number: 182474

Revision index	Date	Change history
1.0	04.08.2023	







Testing and sampling:					
Date of receipt of test item	: 20.06.2023				
Testing start date	: 27.06.2023				
Testing end date	: 13.07.2023				
Sampling procedure	: Sample used for testing chosen by the customer; DEKRA Testing and Certification S.r.l. cannot be considered responsible for the selection of the sample				
Internal identification	: Adhesive label with the product number P230590				
General remarks:					
This report shall not be reproduced, except in full, without the written approval of DEKRA Testing and Certification S.r.l. The test results presented in this report relate only to the object tested.					
"(see appended table)": refers to a table appended Throughout this report a comma is used as the dec	·				
	g: "Test not accredited by ACCREDIA" are not part of the				
Possible test case verdicts:					
Test case does not apply to the test object:	N/A (Not Applicable)				
Test object meets the requirement:	P (Pass)				
Test object does not meet the requirement:	F (Fail)				
Test object was not evaluated for the requirement:	N/E (Not Executed)				
Definition of symbols used in this test report:					
	quipment is applicable for this report.				

☐ Indicates that the listed condition, standard or equipment is not applicable for this report.







6 General description of test item(s)

Description:	Transmitter NOON TVLINK/RTS						
Model Number:	RTNOON916NMRC						
FCC ID:	P59F	RTNOON916					
Serial Number:							
Brand name:	Tele	co Automation					
Frequency band::	260 -	- 470 MHz					
Nominal frequency:	Fc: 4	33,42 MHz					
Rated power supply:		Voltage and Frequency		Refe	erence p	oles	
		N L1 L2 L3 PE				PE	
		AC:					
		AC:					
	\boxtimes	DC: 3 V from battery					
Software version	V1.0						
Type of equipment:	☐ Transmitter unit ☐ Receiver unit						
Type of station:	✓ Portable station✓ Mobile station						
Test arrangements of EUT:	Intended operational Test arrangement (see basic standard)						
	_ 7	Table-top only	Tab	le-top			
	□ F	Floor-standing only	Floo	or-stand	ing		
		Can be floor-standing or able-top	Tab	le-top			
	□ F	Rack mounted	In r	ack or ta	able-top		
	r	Other, for example wall mounted, ceiling mounted, andheld, body worn	Tab	le-top			
Operating modes:	No.	Operating mode of test iter	m				
	EUT in continuous transmission at maximum power						
Declination of responsibility:	Information relating to the description of the sample, components list, and software/hardware version (if reported) are provided by the customer. DEKRA Testing and Certification S.r.l. cannot be considered responsible for this information, for any other document sent by the customer and for any difference between the software version present in the tested sample and that present in the object intended for final sale. In some cases, the software in the tested sample is in a version						
		dedicated exclusively to the test, and therefore does not represent the software installed in the final version of the product.					





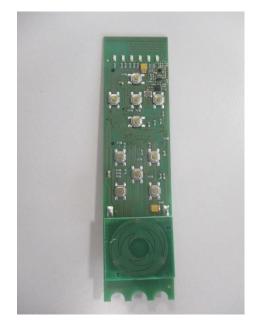


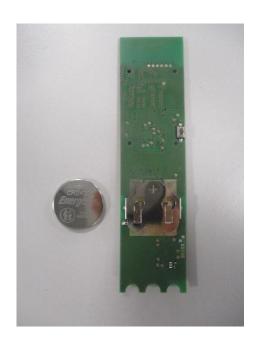
6.1 Photos of the test item

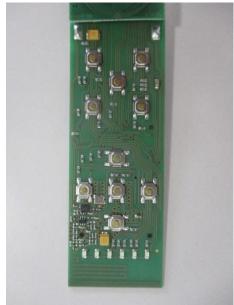


















7 Verdict summary section

FCC Rules & Regulations, Title 47:2022 Part 15 paragraph(s): 203, 204, 207, 209 and 231							
Clause	Clause Requirement – Test case Basic standard						
Part 15.203	Antenna requirements	ANSI C63.10	Р				
Part 15.207	Conducted emissions	ANSI C63.10	N/A (+)				
Part 15.209	Radiated emissions	ANSI C63.10	Р				
Part 15.209 and 15.231(b) (e)	Field strength of fundamental	ANSI C63.10	Р				
Part 15.209 and 15.231	Spurious emissions (> 1 GHz)	ANSI C63.10	Р				
Part 15.231(c)	Occupied channel bandwidth	ANSI C63.10	Р				
Part 15.231(a) (e)	Periodic operation characteristics	ANSI C63.10	Р				

⁽⁺⁾ Devices which only employ battery power. See FCC Part 15.207 (c)







Normative references					
Reference no.	Description				
FCC Rules and Regulation Title 47 part 15:2022					
ANSI C63.4:2014	American National Standard for Methods of				
	Measuring of Radio-Noise Emissions from Low-				
	Voltage Electrical and Electronic Equipment in the				
	Range of 9 kHz – 40 GHz				
ANSI C63.10:2013	American National Standard of Procedures for				
	Compliance Testing of Unlicensed Wireless Devices				







8 Test conditions

8.1 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 – 35 °C 30 % - 60 % 800 hPa – 1060 h			
		he basic standard or ap recorded and document		
Measurement uncertainties:	Attachment 1			







9 Test results

9.1 Antenna requirements

Tested by:	M. Segalla		
Test date:	06.2023		
Reference standards:	C Rules and Regulation; Titles 47 Part. 15.203 and 1	5.204	
Test specification:	An intentional radiator shall be designed to ensure that no antenn other than that furnished by the responsible party shall be used w device. The use of a permanently attached antenna or of an anter that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. manufacturer may design the unit so that a broken antenna can b replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply carrier current devices or to devices operated under the provisions 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation However, the installer shall be responsible for ensuring that the prantenna is employed so that the limits in this part are not exceeded.		
Antenna type:			
	☐ External antenna		
Antenna gain:	3,21 dBi		
External R.F. power amplifier:	Not Present		







9.2 Radiated emissions and spurious emissions

Tested by:	M. Se	M. Segalla			
Test date:	26.06	26.06.2023			
Test location (stand)	Semi-	anechoic chamber (CMC A070)			
Reference standards:		FCC Rules and Regulation; Titles 47 Part. 15.209 and 15.231 ANSI C63.10 cl. 6.3, 6.4, 6.5 and 6.6			
Test set-up description:	: Table top equipment set-up (80 cm above the reference plane)				
	Floor standing equipment set-up (insulating material up thick)				
	☐ False floor installation equipment set-up (insulating ma 34 cm above the reference ground plane)				
Supplementary test set-up description					
Test method applied:	OATS or SAC with measurement distance [m]: 10 m for frequencies below 1 GHz 3 m for frequencies above 1 GHz				
Supplementary information:					

Acceptance limits

to optained in into							
Acceptance limits for emissions in restricted frequency bands (f < 1000 MHz)							
Frequency range	Test distance	Limits					
(MHz)	(m)	[dB(µV/m)]					
0,009 to 0,490	300	20log(2400/F(kHz))					
0,490 to 1,705	30	20log(24000/F(kHz))					
1,705 to 30	30	20log(30)					
30 to 88	3	20log(100)**					
88 to 216	3	20log(150)**					
216 to 960	3	20log(200)**					
Above 960	3	20log(500)					

^{**:} except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54 – 72 MHz, 76 – 88 MHz, 174 – 216 MHz or 470 – 806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

Perimeter protection systems may operate in the 54 - 72 MHz and 76 - 88 MHz bands under the provisions of this section. The use of such perimeter protection systems is limited to industrial, business and commercial applications.

Remarks: the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands $9-90\,\mathrm{kHz}$ and $110-490\,\mathrm{kHz}$. Radiated emission limits in these two bands are based on measurements employing an average detector. The results have been extrapolated to the specified distance using an extrapolation factor

Acceptance limits for emissions in restricted frequency bands (f ≥ 1000 MHz)								
Frequency	Test distance (m)	AV limits	Peak limits					
(MHz)		[dB(μV/m)]	[dB(µV/m)]					
> 1000	3	54	74					







The restricted frequency bands are listed in the following table

MHz	MHz	MHz	GHz
0,090 - 0,110	16,42 – 16,423	399,9 – 410	4,5 – 5,15
0,495 - 0,505	16,69475 – 16,69525	608 – 614	5,35 – 5,46
2,1735 – 2,1905	16,80425 – 16,80475	960 – 1240	7,25 – 7,75
4,125 – 4,128	25,5 – 25,67	1300 – 1427	8,025 – 8,5
4,17725 – 4,17775	37,5 – 38,25	1435 – 1626,5	9,0 – 9,2
4,20725 - 4,20775	73 – 74,6	1645,5 – 1646,5	9,3 – 9,5
6,215 – 6,218	74,8 – 75,2	1660 – 1710	10,6 – 12,7
6,26775 - 6,26825	108 – 121,94	1718,8 – 1722,2	13,25 – 13,4
6,31175 – 6,31225	123 – 138	2200 – 2300	14,47 – 14,5
8,291 – 8,294	149,9 – 150,05	2310 – 2390	15,35 – 16,2
8,362 - 8,366	156,52475 – 156,52525	2483,5 – 2500	17,7 – 21,4
8,37625 - 8,38675	156,7 – 156,9	2690 – 2900	22,01 – 23,12
8,41425 - 8,41475	162,0125 – 167,17	3260 – 3267	23,6 – 24,0
12,29 - 12,293	167,72 – 173,2	3332 – 3339	31,2 – 31,8
12,51975 – 12,52025	240 – 285	3345,8 – 3358	36,43 – 36,5
12,57675 – 12,57725	322 – 335,4	3600 – 4400	Above 38,6
13,36 – 13,41			

Acceptance limits for emissions in non-restricted frequency bands

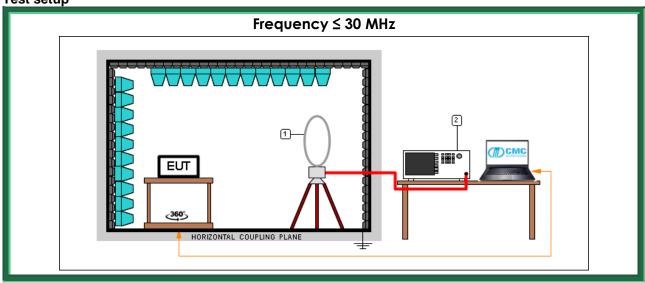
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.



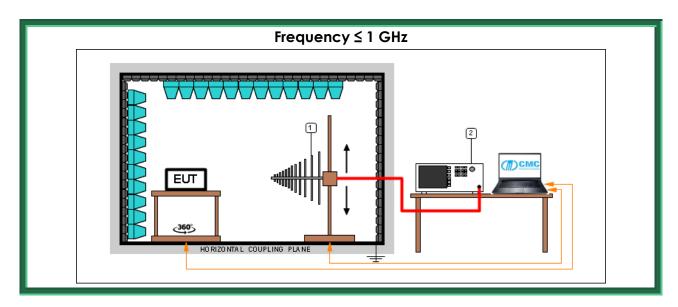




Test setup



Test setup PE004_01								
Nr. Id. Number Manufacturer Model Serial number Description								
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver			
1	CMC S127	Schaffner	HLA6120	1191	Loop Antenna 9kHz - 30MHz			



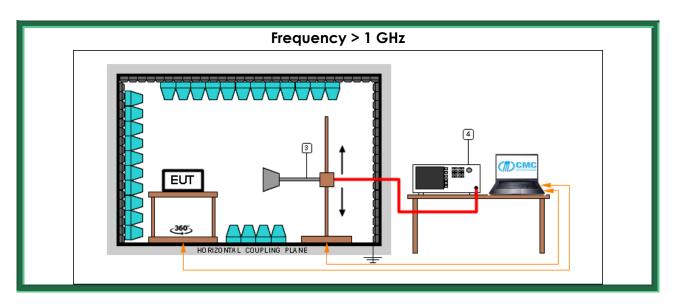
	Test setup PE004_02							
Nr.	ld. Number	Manufacturer	Model	Serial number	Description			
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver			
1	CMC S271	Schwarzbeck	BBA 9106 + VHBB 9124	831	Broadband Antenna			

Test setup PE004_03								
Nr.	Nr. Id. Number Manufacturer Model Serial number Description							
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver			
1	CMC S287	Schwarzbeck	VUSLP 9111B	9111B-203	Broadband Antenna			









Test setup PE004_04							
Nr.	Nr. Id. Number Manufacturer Model Serial number Description						
4	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver		
3	CMC S108	Emco	3115	9811-5622	Waveguide antenna		

	Test setup PE004_05							
Nr.	Ir. Id. Number Manufacturer Model Serial number Description							
4	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver			
3	CMC S290	Schwarzbeck	BBHA 9170	733	Horn Antenna			







Result

Polarization	Frequency Range (MHz)	Graphs	Remarks	Result
Н	300 – 1000	G23123954		Р
V	300 – 1000	G23123955		Р
V	30 – 300	G23123956		Р
Н	30 – 300	G23123957		Р
Н	1000 – 10000	G23123958		Р
V	1000 – 10000	G23123959		Р
Loop	0,009 – 30	G23123960		Р

Remarks: EUT was tested in 3 orthogonal planes, graphs are related to the highest detected levels. Measurements at frequencies lower than 30 MHz have been performed with an EUT – antenna distance of 10 m. Measured values have been corrected with conversion factor 40log(test distance/10) based on the measuring distance provided by the standard.

Measurements at frequencies higher than 30 MHz and lower than 1000 MHz have been performed with an EUT – antenna distance of 10 m. Measured values have been corrected with conversion factor 20log(test distance/10) based on the measuring distance provided by the standard.

Peaks above the limits are caused by the nominal transmitting frequencies.

Graphs Legend

PK: Peak; QP [1s] (quasi-peak at 1 second) values are marked with a + AV: Average; AV [1s] (average at 1 second) values are marked with a X

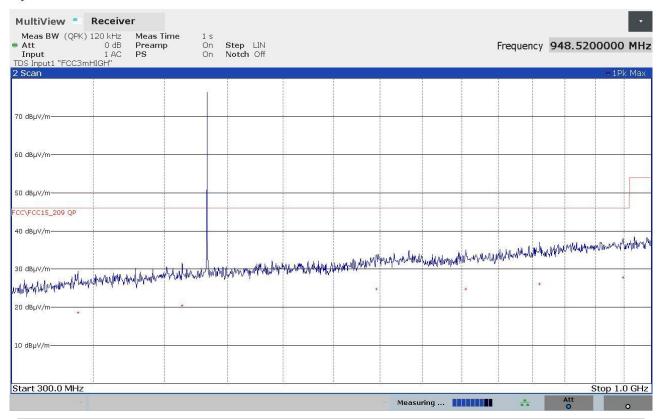






Graphs

Segalla 23123954



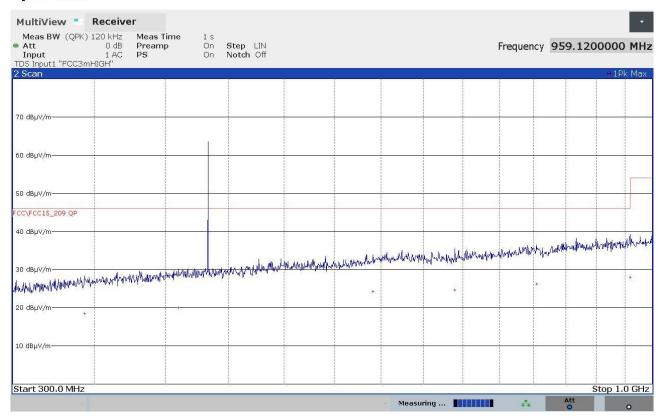
FINAL RESULT TABLE					
QUASI PEAK					
Freq Hz	Lev dBuV/m	Margin dB			
339880000 413560000 595880000 705600000 810800000 948520000	+18,52 +20,43 +24,72 +24,72 +26,11 +27,83	-25,59 -21,30 -21,30			







Segalla 23123955



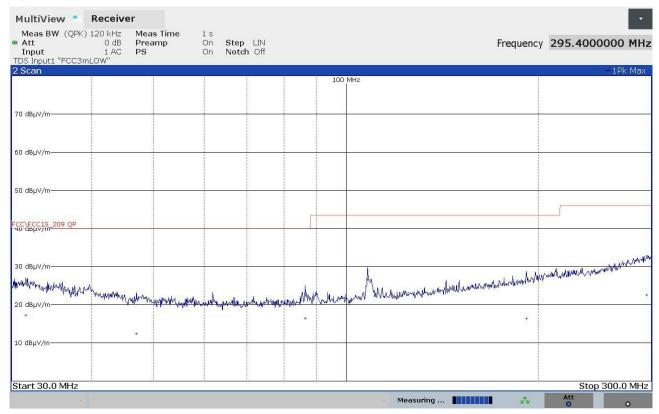
		FINAL RE	SULT TABLE
QUASI PEAK			
Freq Hz	Lev dBuV/m	Margin dB	
342560000 414240000 589520000 689880000 815240000 961800000	+18,63 +20,53 +24,31 +24,45 +26,21 +28,09	-21,57	







Segalla 23123956



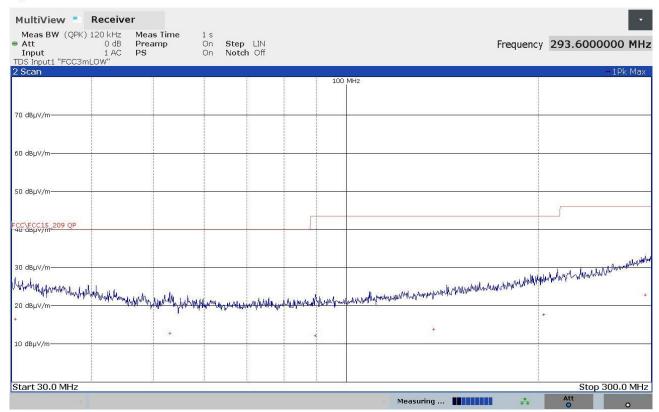
		FINAL	RESULT
QUASI PEAK			
Freq Hz	Lev dBuV/m	Margin dB	
31560000 47000000 86280000 108000000 191440000 295400000	+16,41 +26,65	-22,70 -27,60 -23,59 -16,87 -27,15 -23,44	







Segalla 23123957



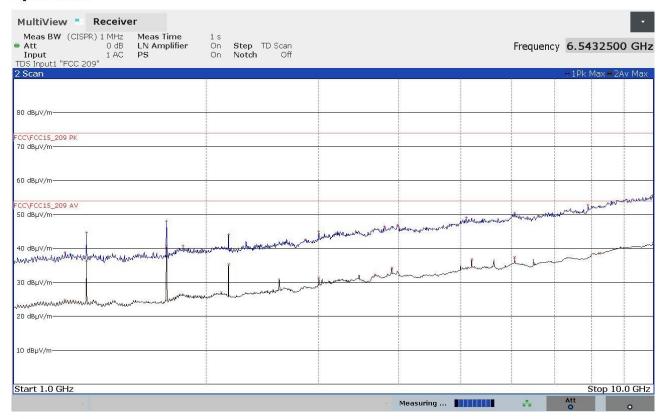
		FINAL	RESULT	TABLE
QUASI PEAK				
Freq Hz	Lev dBuV/m	Margin dB		
30360000 53000000 89480000 137040000 203840000 2936000000	+12,09 +13,84	-23,54 -27,24 -31,43 -29,68 -25,85 -23,21		







Segalla 23123958



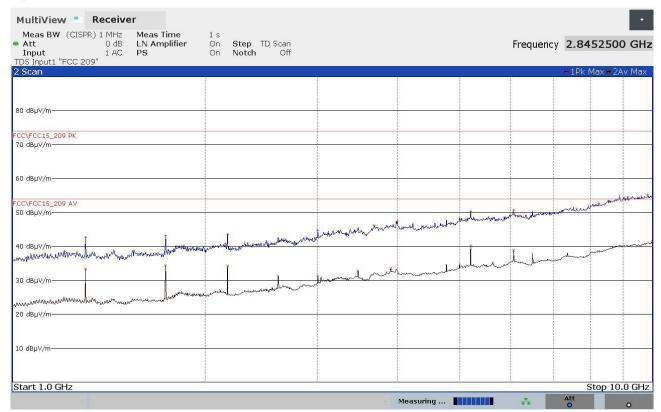
	FINAL RESULT TABLE							
MAX PEAK			AVERAGE					
Freq Hz	Lev dBuV/m	Margin dB	Freq Hz	Lev dBuV/m	Margin dB			
1203250000 1300250000 1733750000 1840500000 2167000000 2999000000 3802250000 3986000000 5100250000 6070500000 7902750000	+38,81 +44,66 +48,04 +40,77 +44,21 +45,14 +46,48 +46,86 +49,03 +50,47 +52,74 +55,56	-35,17 -29,32 -25,94 -33,21 -29,77 -28,84 -27,50 -27,12 -24,95 -23,51 -21,24 -18,42	1203000000 1300250000 1733750000 2112250000 2167000000 2998250000 3672000000 3900750000 5201000000 6067750000 8240000000	+24,73 +36,46 +40,51 +26,93 +35,26 +31,33 +32,24 +34,28 +36,82 +37,30 +38,56 +41,58	-29,25 -17,52 -13,47 -27,05 -18,72 -22,65 -21,74 -19,70 -17,16 -16,68 -15,42 -12,40			







Segalla 23123959



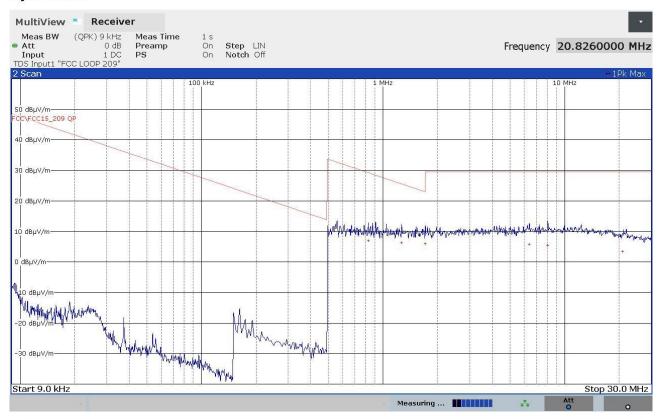
	AVERAGE		
V/m Margin dB	Freq Hz	Lev dBuV/m	Margin dB
-31,22 -30,78 -33,27 -5 -30,33 -29,23 -27,76 -8 -26,60 -23,65 -23,25 -9 -21,39	1202750000 1300250000 1733750000 2112500000 2167000000 2998250000 3467250000 3900750000 5201000000 6067750000 8234750000	+24,72 +33,34 +34,41 +26,93 +34,24 +31,31 +32,80 +33,49 +40,13 +38,85 +38,51 +41,49	-29,26 -20,64 -19,57 -27,05 -19,74 -22,67 -21,18 -20,49 -13,85 -15,13 -15,47 -12,49
	9 -35,39 -31,22 -30,78 1 -33,27 -5 -30,33 5 -29,23 -27,76 -8 -26,60 -3 -23,65 -3 -23,25 -9 -21,39	V/m Margin dB Freq Hz 19 -35,39 1202750000 16 -31,22 1300250000 10 -30,78 1733750000 11 -33,27 2112500000 15 -30,33 2167000000 15 -29,23 2998250000 12 -27,76 3467250000 18 -26,60 3900750000 18 -23,65 5201000000 19 -21,39 8234750000	V/m Margin dB Freq Hz Lev dBuV/m 19 -35,39 1202750000 +24,72 16 -31,22 1300250000 +33,34 10 -30,78 1733750000 +34,41 11 -33,27 2112500000 +26,93 15 -30,33 2167000000 +34,24 15 -29,23 2998250000 +31,31 12 -27,76 3467250000 +32,80 18 -26,60 3900750000 +33,49 18 -23,65 5201000000 +40,13 18 -23,25 6067750000 +38,85 19 -21,39 8234750000 +38,51







Segalla 23123960



		FINAL RES	ULT TABLE
QUASI PEAK			
Freq Hz	Lev dBuV/m	Margin dB	
830000 1266000 1710000 6394000 8082000 20826000	+6,92 +6,25 +5,90 +5,86 +5,41 +3,56	-23,64 -23,68 -24,13	







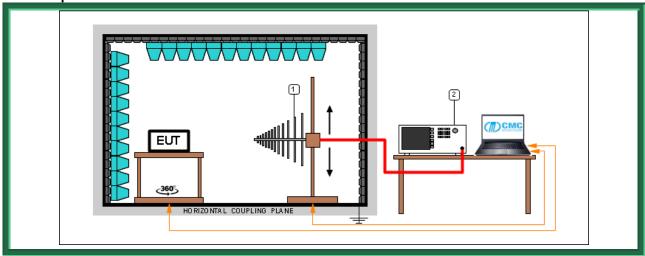
9.3 Field strength of fundamental

Tested by:	M. Segalla
Test date:	27.06.2023
Test location (stand):	Semi-anechoic chamber (CMC A070)
Reference standards:	FCC Rules and Regulation; Titles 47 Part. 15.209 and 15.231 (b)
Supplementary test set-up description	EUT – antenna distance: 10 m
Supplementary information:	

Acceptance limits

FCC Part 15.231 (b)			
Field strength of fundamental			
[dB(µV/m)]			
67,04			
61,94			
61,94 to 71,48			
71,48			
71,48 to 81,94			
81,94			

Test setup



	Test setup PE004_03				
Nr.	ld. Number	Manufacturer	Model	Serial number	Description
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver
1	CMC S287	Schwarzbeck	VUSLP 9111B	9111B-203	Broadband Antenna







Result

Frequency (MHz)	Graph(s)	Measured peak level (dBµV/m)	Duty cycle correction (dB)	Corrected peak level (dBµV/m)	Limits (dBµV/m)
433,42	G23123951	76,52	-6,02	70,50	80,14

Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest value. Duty cycle value has been obtained using the following formula:

Duty cycle = 20log0,50 = -6,02 dB where 0,50 is the duty cycle declared by the manufacturer (50%)

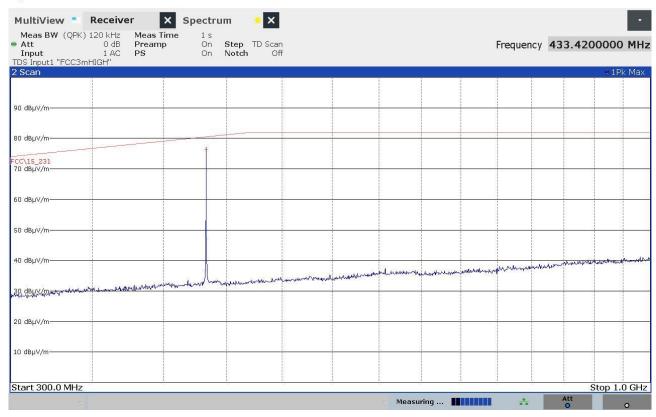






Graphs

Segalla 23123951



		FINAL RES	ULT TABLE
QUASI PEAK			
Freq Hz	Lev dBuV/m	Margin dB	
433420000	+76,52	-3,99	







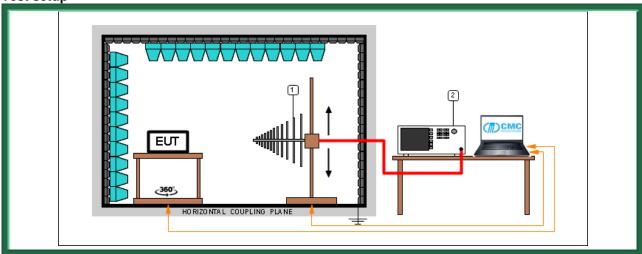
9.4 Occupied channel bandwidth

Tested by:	M. Segalla
Test date:	27.06.2023
Test location (stand)	Semi-anechoic chamber (CMC A070)
Reference standards	FCC Rules and Regulation; Titles 47 Part. 15.231 (c)
Supplementary test set-up description	
Supplementary information:	

Acceptance limits

Limits		
Devices operating above 70 MHz and below 900 Devices operating above 900 MHz		
MHz		
0,25% of the center frequency	0,5% of the center frequency	

Test setup



	Test setup PE004_03				
Nr.	ld. Number	Manufacturer	Model	Serial number	Description
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver
1	CMC S287	Schwarzbeck	VUSLP 9111B	9111B-203	Broadband Antenna

Result

Frequency (MHz)	Graphs	20 dB bandwidth (kHz)	Limit (kHz)
433,42	G23148352	6,00	108,355

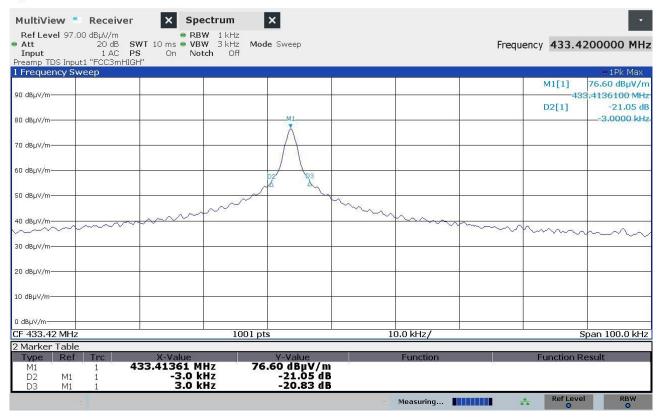






Graphs

Segalla 23123952









9.5 Periodic operation characteristics

Tested by:	M. Sega	M. Segalla		
Test date	27.06.2023			
Test location (stand):	Laboratory			
Reference standards:	FCC Rules and Regulation; Titles 47 Part. 15.231 (a) (e)			
Type of transmission:				
	☐ Transmitter activated automatically			

Acceptance limits

The provisions of this section are restricted to periodic operation within the band 40,66-40,70 MHz and above 70 MHz. Except as shown in paragraph (e) of this section, the intentional radiator is restricted to the transmission of a control signal such as those used with alarm systems, door openers, remote switches, etc. Continuous transmissions, voice, video and the radio control of toys are not permitted. Data is permitted to be sent with a control signal. The following conditions shall be met to comply with the provisions for this periodic operation







15.231(a1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Transmission channel (MHz)	Graphs	Transmitter deactivation time	Limits
433,42	G23123962	0,297 s	5 s

15.231(a2) A transmitter activated automatically shall cease transmission within 5 seconds after activation

Result: N.A.

15.231(a3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour

Result: The EUT does not employ periodic transmission.

15.231(a4) Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition.

Result: N.A.

15.231(a5) Transmission of set-up information for security systems may exceed the transmission duration limits in paragraphs (a)(1) and (a)(2) of this section, provided such transmissions are under the control of a professional installer and do not exceed ten seconds after a manually operated switch is released or a transmitter is activated automatically. Such set-up information may include data

Result: N.A.

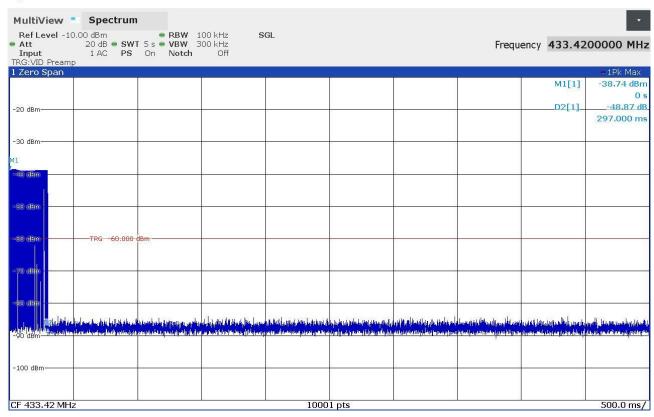






Graphs

Segalla 23123962









Attachment 1

Measurement uncertainty

Test	Test Setup	Expan	ded uncertainty	Note
Conducted emission CISPR 16	PE001 01		3,4 dB	1
LISN 50uH 0,009-0,0150 MHz	PE001_01		3,4 UB	ı
Conducted emission CISPR 16	PE001 01		2,9 dB	1
LISN 50uH 0,150-30,0 MHz	FL001_01		2,9 UB	'
Conducted emission CISPR 16	PE001 02		2.1 dB	1 1
Voltage Probe 0,15-30 MHz	1 2001_02		2,1 45	
Conducted emission CISPR 16	PE001 03		2,5 dB	1
Current Probe 0,15-30 MHz	1 2001_00		2,0 42	<u>'</u>
Conducted emission CISPR 16	PE001 04		4.7 dB	1
ISN 0,15-30 MHz			-,	
Clic CISPR 16	PE001 05		2,9 dB	1
LISN 50uH 0,150-30,0 MHz Radiated Emission CDNE			,	
30-300 MHz	PE001_06		3,3 dB	1
Disturbance Power				
30-300 MHz	PE002_01		3,7 dB	1
Radiated Emission LAS				
0.15-30 MHz	PE003_01		1,9 dB	1
Radiated Emission CISPR 16	DE004-04		4.4 ID	1
Loop Ant. 0,15-30 MHz	PE004_01		4,1 dB	1
Radiated Emission CISPR 16	DE004_00		4.0 -ID	,
Bicon. Ant. 30-300 MHz	PE004_02		4,6 dB	1
Radiated Emission CISPR 16	PE004_03		4,5 dB	1
LogP. Ant. 300-1000 MHz	PE004_03		4,5 UB	ı
Radiated Emission CISPR 16	PE004_04		4,7 dB	1
Horn Ant. 1-18 GHz	_		•	
Human Exposure to electromagnetic fields	PE005_01		14,2 %	1
Harmonics	PE006_01	10 mA +	2,9 %	1
Flicker	PE007_01		4,20 %	1
Radiated Immunity	PE102 XX	2,25 dB	0,89 V/m a 3V/m	1
80 MHz - 6 GHz		,		+
Conducted Immunity	PE105_XX	1,19 dB	0,44 V a 3V	1
0,15 - 230 MHz	DE400_04	4.FF 0/	0.45 A/m a.40A/m	1
AC Magnetic field Pulse Magnetic field	PE106_01 PE107_01	1,55 % 6,25 %	0,15 A/m a 10A/m 18.8 A/m a 300A/m	1 1
Dumped Magnetic field	PE107_01 PE108_01	6,25 % 6,25 %	1.88 A/m a 30A/m	1 1
Common mode conducted immunity	PE100_01 PE112_01	2.22 %	0,22 V a 10V	1 1







Attachment 1

Test	Test Setup	Expanded uncertainty	Note
Power/Spurious 9kHz-30MHz	PR001_01	4,1 dB	1
Power/Spurious ERP 30-1000MHz d=10m	PR001_02+03	4,7 dB	1
Misura della potenza EiRP 1-18GHz d=3m	PR001_04+05	4,7 dB	1
Misura della potenza EiRP 18-40GHz d=3m	PR001_06	5,1 dB	1
Frequency error	PR002_01+02	< 1x10-7	1
Timing zero span (1001pts.)	PR002_01+02	0,2 % SWT	1
Modulation bandwidth	PR002_01+02	< 1x10-7	1
Conducted RF power and spurious emission	PR002_01+02	1,1 dB	1
Adjacent channel power	PR002_01+02	1,1 dB	1
Blocking	PR002_01+02	1,1 dB	1

Test	Test Setup	Expanded uncertainty	Note
Electrostatic discharge immunity test	PE101_0X		2
Electrical fast transients / burst immunity test	PE103_0X		2
Surge immunity test	PE104_0X		2
Short interruption immunity test	PE109_01		2
Ring Wave immunity test	PE110_01		2
Low frequency immunity test	PE111_01		2
Dumped Oscillotary immunity test	PE113_01		2
Rev_23_01 date 20/03/2023			

Note 1:

The expanded uncertainty reported according to the document EA-4-02 is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p=95%

Note 2:

It has been demonstrated that the used test equipment meets the specified requirements in the standard with at least a 95% confidence, covering factor k=2

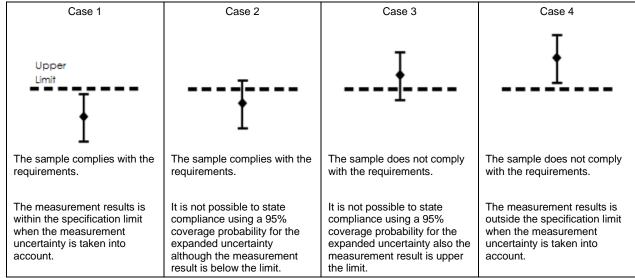






Attachment 1

Judgement of compliance



In agreement with ILAC-G8:09/2019 cl.4.2.1 Guidelines on Decision Rules and Statements of Conformity

Quality manual references - Internal procedure

Internal Procedure PM001 rev. 4.0 (Quality Manual)	Measure procedure
Internal Procedure INC_M rev. 10.0 (Quality Manual)	Measurement uncertainty calculation