DEKRA Testing and Certification S.r.l. 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. R24170201

Federal Communication Commission (FCC)

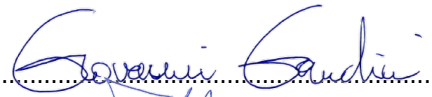
Report Reference No. .....:	R24170201
Date of issue: .....:	17.09.2024
Total number pages: .....:	34
Customer name .....:	Autec S.r.l.
Address .....:	Via Pomaroli, 65 - 36030 Caldogno (VI) - Italy
Test specification:	
Standard(s) .....:	FCC Rules & Regulations, Title 47:2023 Part 15 paragraph(s): 209 Tests details at page 8
Non-standard test method .....:	N/A
Test Report Form No. .....:	15-107_15-109DEKRA
Test Report Form(s) Originator ...:	DEKRA Testing and Certification S.r.l.
Master TRF .....:	2024-09

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 .....:	Remote station
(*) Trademark .....:	Autec
(*) Manufacturer .....:	Autec S.r.l.
(*) Model / Type reference .....:	Model J9A, Type VZ9QH
(*) Rating(s) .....:	7,2 V battery supplied

Report

Tested by (name + signature) .....:	G. Gandini	
Approved by (name + signature) .....:	F. Marenda	

(*) information provided by the customer

1 Summary

2 Reference standard(s)	
FCC Rules and Regulation Title 47 part 15:2023	Radio frequency devices
ANSI C63.10:2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
3 List of attachments	
Attachment 1: Measurement uncertainty, judgement of compliance and quality manual references Attachment 2: Components list	
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	17.09.2024	--

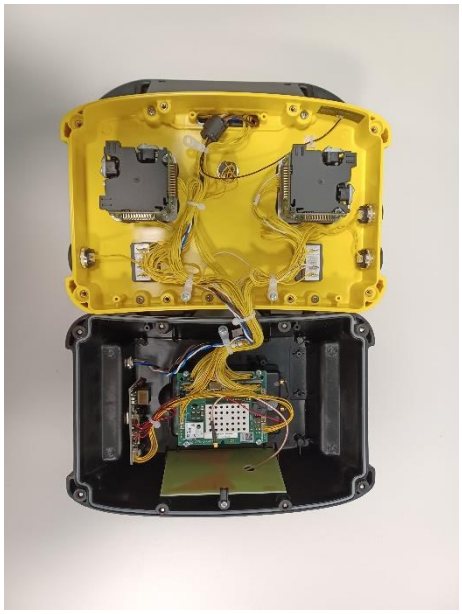
Testing and sampling:	
Date of receipt of test item .....:	31.05.2024
Testing start date .....:	29.04.2024
Testing end date .....:	06.08.2024
Sampling procedure .....:	Sample used for testing chosen by the customer; DEKRA Testing and Certification S.r.l. cannot be considered responsible for the selection of the sample
Internal identification .....:	Adhesive label with the product number P240537
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 to the report. Throughout this report a comma is used as the decimal separator. Tests reported in this test report marked by wording: “Test not accredited by ACCREDIA” are not part of the ACCREDIA accreditation of this laboratory.	
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:	
☒ Indicates that the listed condition, standard or equipment is applicable for this report. ☐ Indicates that the listed condition, standard or equipment is not applicable for this report.	

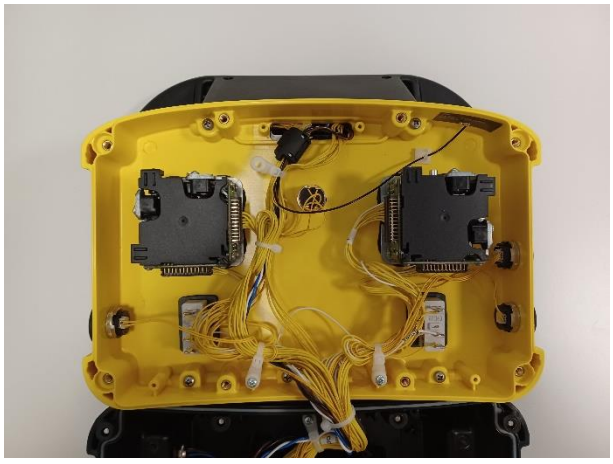
6 General description of tested item and testing condition(s)

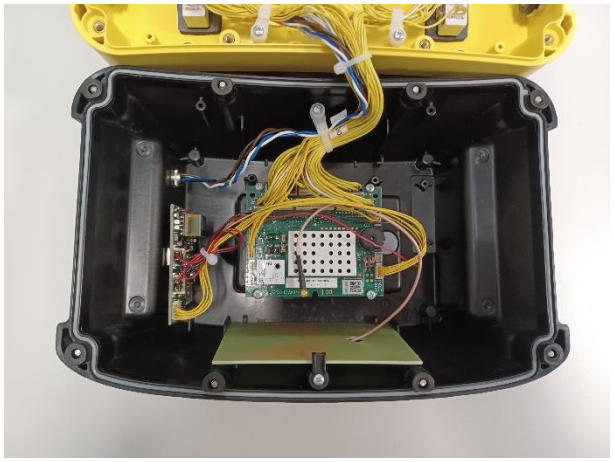
Description ..... :	Remote station						
Model Number ..... :	Model J9A, Type VZ9QH						
Serial Number..... :	--						
Brand name ..... :	Autec						
Test power supply..... :		Voltage and Frequency	Reference poles				
			N	L1	L2	L3	PE
	☐	AC:	☐	☐	☐	☐	☐
	☐	AC:	☐	☐	☐	☐	☐
	☒	DC: 7,2 V battery supplied					☐
Type of equipment..... :	☑ Transmitter unit ❑ Receiver unit						
Type of station ..... :	☑ Portable station ❑ Mobile station						
Test arrangements of EUT ..... :	*Intended operational arrangement(s) of EUT*		*Test arrangement (see basic standard)*				
	❑ Table-top only		Table-top				
	❑ Floor-standing only		Floor-standing				
	❑ Can be floor-standing or table-top		Table-top				
	❑ Rack mounted		In rack or table-top				
	☑ Other, for example wall mounted, ceiling mounted, handheld, body worn		Table-top				
Operating modes ..... :	No.	Operating mode of test item					
	1	Radio link with Rx and video link with PAU					
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

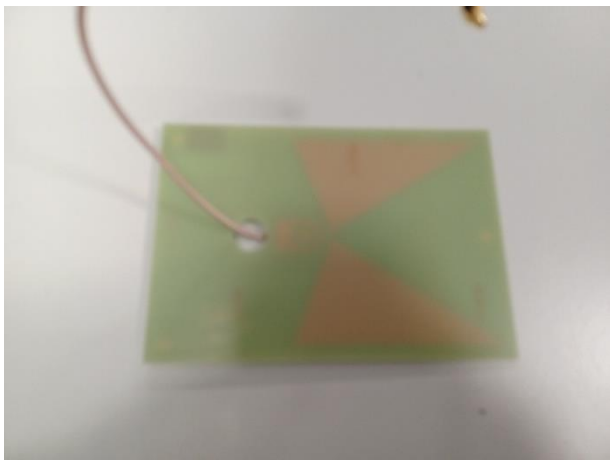




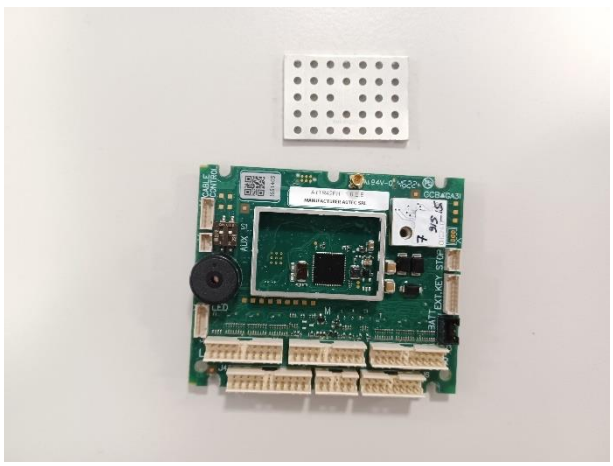



BATT
EXT.KEY
STOP
AUX
SI
CABLE
CONTROL



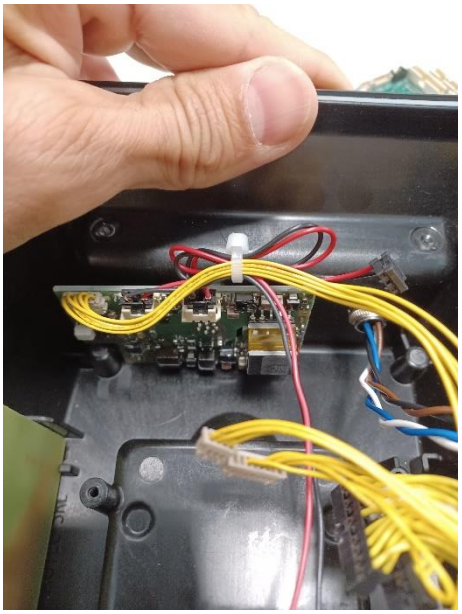

REV-54 CMC

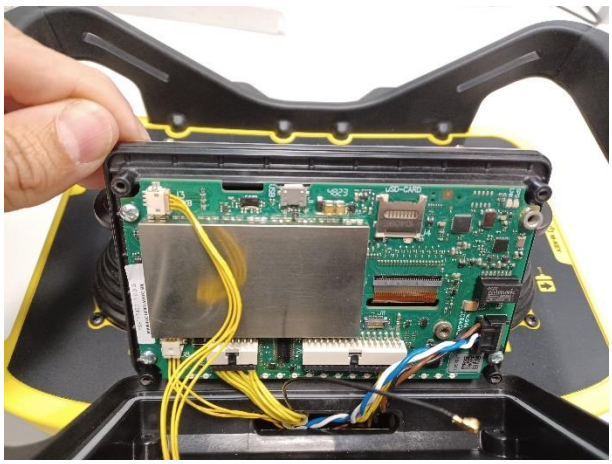

AUX
SI
LED
EXT.KEY
STOP
BATT


AUX
SI
LED
EXT.KEY
STOP
BATT

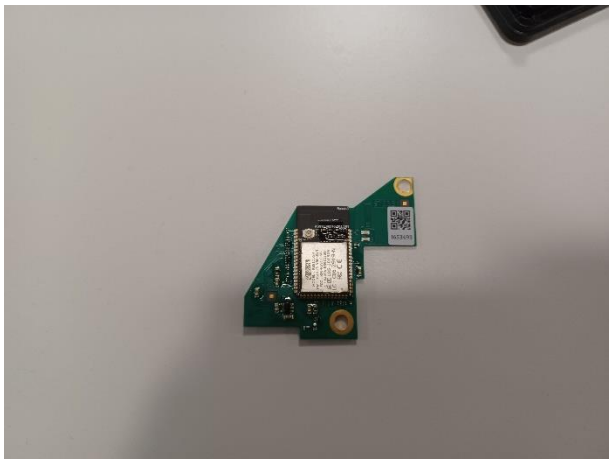

CABLE CONTROL
AUX
LED
EXT.KEY
STOP
MANUFACTURER AUTEC SRL


REV-54 CMC

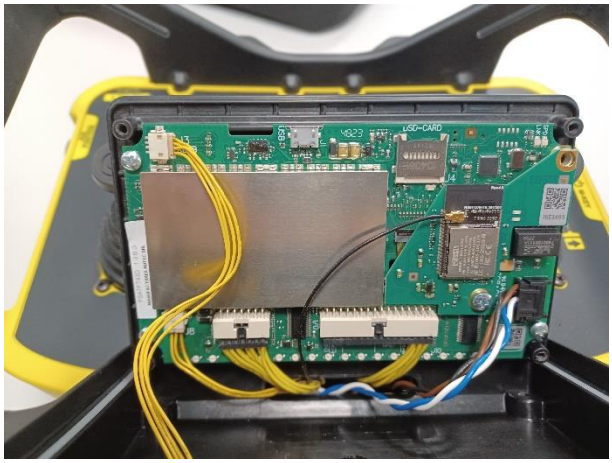


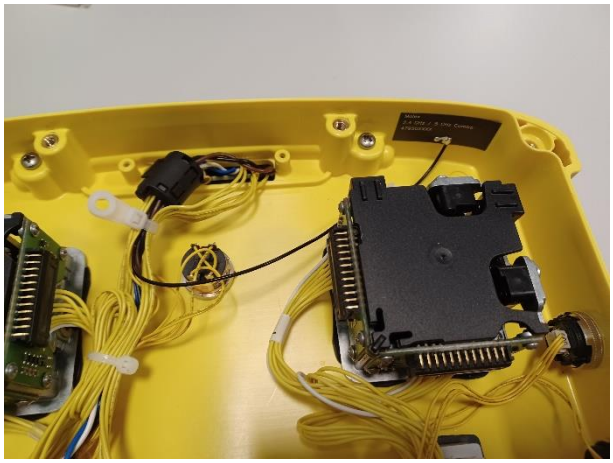



MANUFACTURER AUTEC SRL
LED
J8
COVER




FSAWIF01A 1.0.B.A.
MANUFACTURER AUTEC SRL






Molex
2.4 GHz / 5 GHz Combo
47950XXXX

7 Verdict summary section

FCC Rules & Regulations, Title 47:2023 Part 15 paragraph(s): 209			
Clause	**Requirement – Test case**	**Basic standard**	**Verdict**
FCC Part 15.209	Emissions in restricted frequency bands and in unrestricted frequency bands	ANSI C63.10	**P**
FCC Part 15.209	Fundamental emission output power	ANSI C63.10	**Not required (+)**

(+) It should not be necessary to re-test the transmitter output power of any modular transmitter which has been certified based on conducted power

8 Test conditions

8.1 General

<table>
<tr><td>Environmental reference conditions.....:</td><td>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:
<table>
<tr><th>Temperature</th><th>Humidity</th><th>Atmospheric pressure</th></tr>
<tr><td>15 °C – 35 °C</td><td>30 % - 60 %</td><td>800 hPa – 1060 hPa</td></tr>
</table>
If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.
Environmental conditions have been monitored with the following instrument.
<table>
<tr><th>Id. Number</th><th>Manufacturer</th><th>Model</th><th>Serial number</th><th>Description</th><th>Last calibration date</th><th>Calibration expiration</th></tr>
<tr><td>CMC S302</td><td>Testo</td><td>175H1</td><td>40370182 610</td><td>Data Logger</td><td>May 2024</td><td>May 2025</td></tr>
</table>
</td></tr>
<tr><td>Measurement uncertainties .....:</td><td>Attachment 1</td></tr>
</table>

9 Test results

9.1 Emissions in restricted frequency bands and in unrestricted frequency bands

Tested by .....:	G. Gandini	
Test date .....:	06.08.2024	
Test location (stand) .....:	Semi-anechoic chamber (CMC A070)	
Basic standard(s) .....:	ANSI C63.10 cl. 6.3, 6.4, 6.5 and 6.6	
Product standard(s) .....:	FCC Rules and Regulation; Titles 47 Part 15.209	
Test set-up description.....:	☒	Table top equipment set-up (80 cm above the reference ground plane)
	☐	Floor standing equipment set-up (insulating material up to 12 mm thick)
	☐	False floor installation equipment set-up (insulating material up to 34 cm above the reference ground plane)
Supplementary test set-up description.....:	--	
Test method applied .....:	SAC with measurement distance [m]: 10	
Supplementary information.....:	--	

Acceptance limits

Acceptance limits for emissions in restricted frequency bands (f < 1000 MHz)		
Frequency range (MHz)	*Test distance (m)*	*Limits [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 kHz and 110 – 490 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.

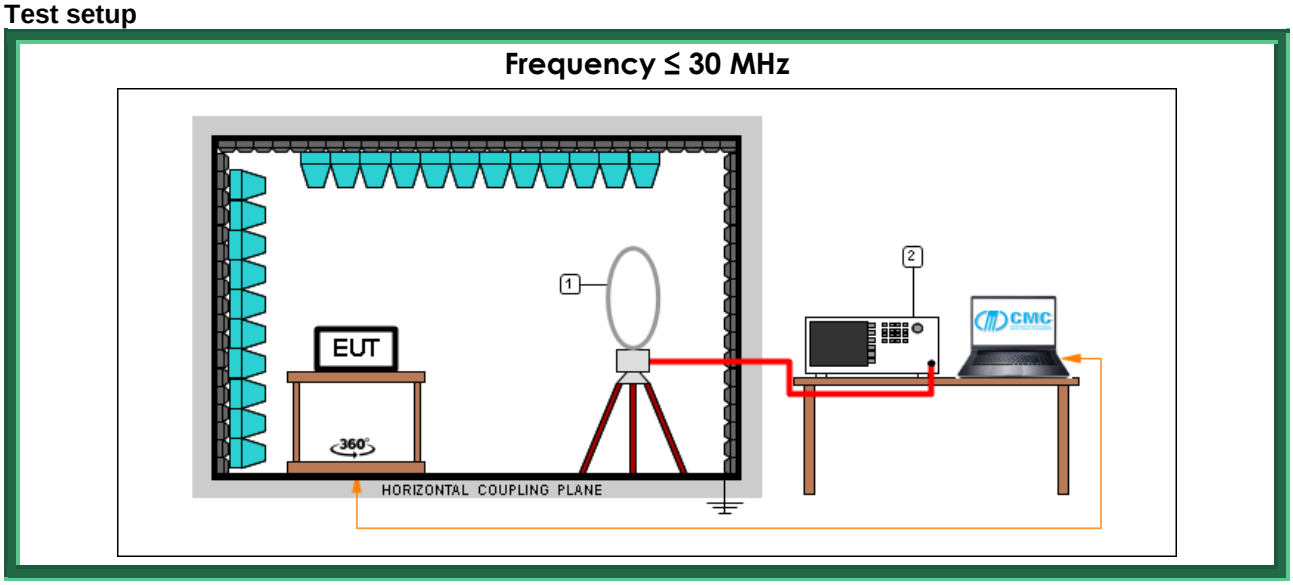
Acceptance limits for emissions in restricted frequency bands (f ≥ 1000 MHz)			
Frequency (MHz)	*Test distance (m)*	*AV limits [dB(µV/m)]*	*Peak limits [dB(µV/m)]*
> 1000	3	54	74

FCC restricted frequency bands

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			

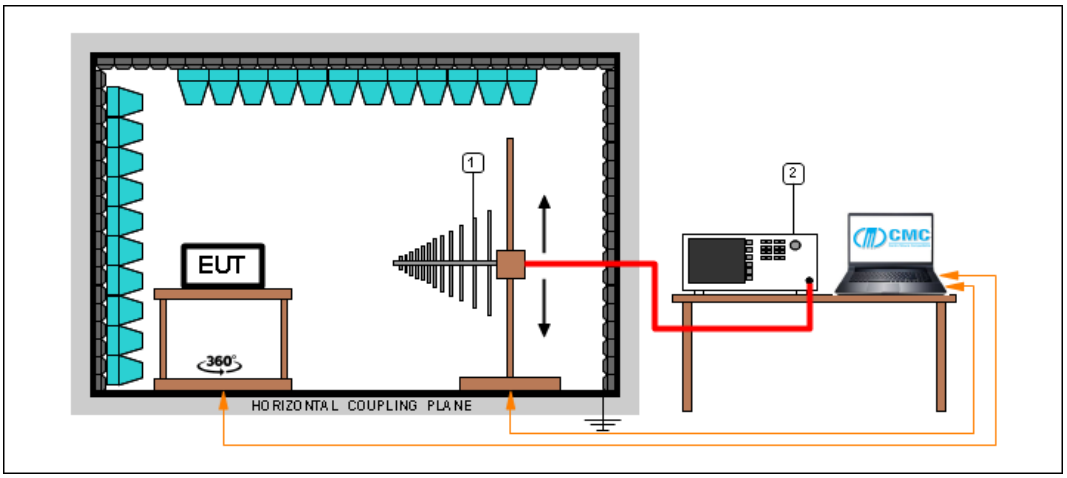
Acceptance limits for emissions in non-restricted frequency bands
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below 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*	*Last calibration date*	*Calibration expiration*
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver	December 2023	December 2024
1	CMC S127	Schaffner	HLA6120	1191	Loop Antenna 9kHz - 30MHz	May 2024	May 2025
--	CMC A105	Frankonia	FC06	FC06.1-2017-073	Turntable & Antenna mast controller (Software V02.05.013)	No calibration required	No calibration required

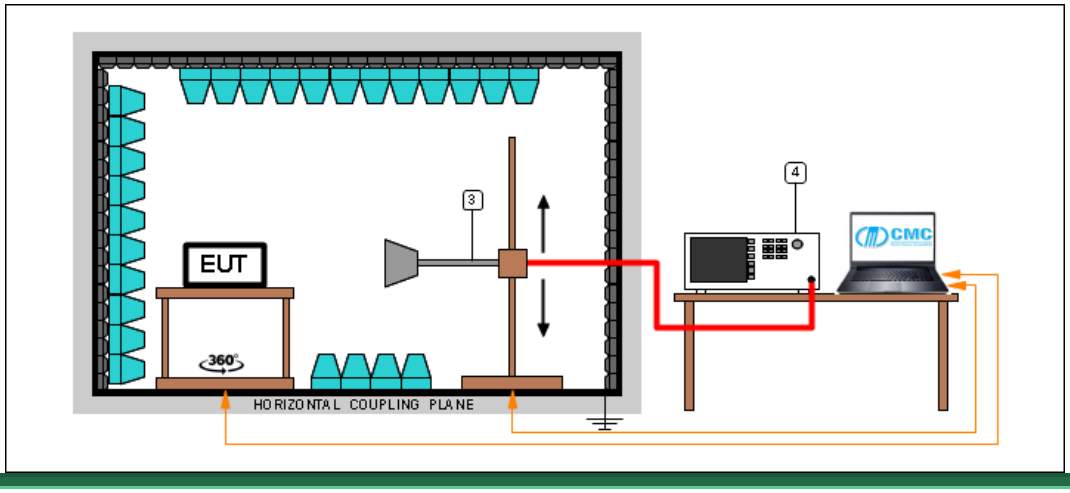
Frequency ≤ 1 GHz



Test setup PE004_02							
Nr.	*Id. Number*	*Manufacturer*	*Model*	*Serial number*	*Description*	*Last calibration date*	*Calibration expiration*
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver	December 2023	December 2024
1	CMC S271	Schwarzbeck	BBA 9106 + VHBB 9124	831	Broadband Antenna	August 2022	August 2025
--	CMC A105	Frankonia	FC06	FC06.1-2017-073	Turntable & Antenna mast controller (Software V02.05.013)	No calibration required	No calibration required

Test setup PE004_03							
Nr.	*Id. Number*	*Manufacturer*	*Model*	*Serial number*	*Description*	*Last calibration date*	*Calibration expiration*
2	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver	December 2023	December 2024
1	CMC S287	Schwarzbeck	VUSLP 9111B	9111B-203	Broadband Antenna	August 2022	August 2025
--	CMC A105	Frankonia	FC06	FC06.1-2017-073	Turntable & Antenna mast controller (Software V02.05.013)	No calibration required	No calibration required

Frequency > 1 GHz



Test setup PE004_04							
Nr.	*Id. Number*	*Manufacturer*	*Model*	*Serial number*	*Description*	*Last calibration date*	*Calibration expiration*
4	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver	December 2023	December 2024
3	CMC S108	Emco	3115	9811-5622	Waveguide antenna	August 2022	August 2025
--	CMC A105	Frankonia	FC06	FC06.1-2017-073	Turntable & Antenna mast controller (Software V02.05.013)	No calibration required	No calibration required

Test setup PE004_05							
Nr.	*Id. Number*	*Manufacturer*	*Model*	*Serial number*	*Description*	*Last calibration date*	*Calibration expiration*
4	CMC S353	Rohde & Schwarz	ESW26	101492	Emi Test Receiver	December 2023	December 2024
3	CMC S290	Schwarzbeck	BBHA 9170	733	Horn Antenna	October 2021	October 2026
--	CMC A105	Frankonia	FC06	FC06.1-2017-073	Turntable & Antenna mast controller (Software V02.05.013)	No calibration required	No calibration required

Result

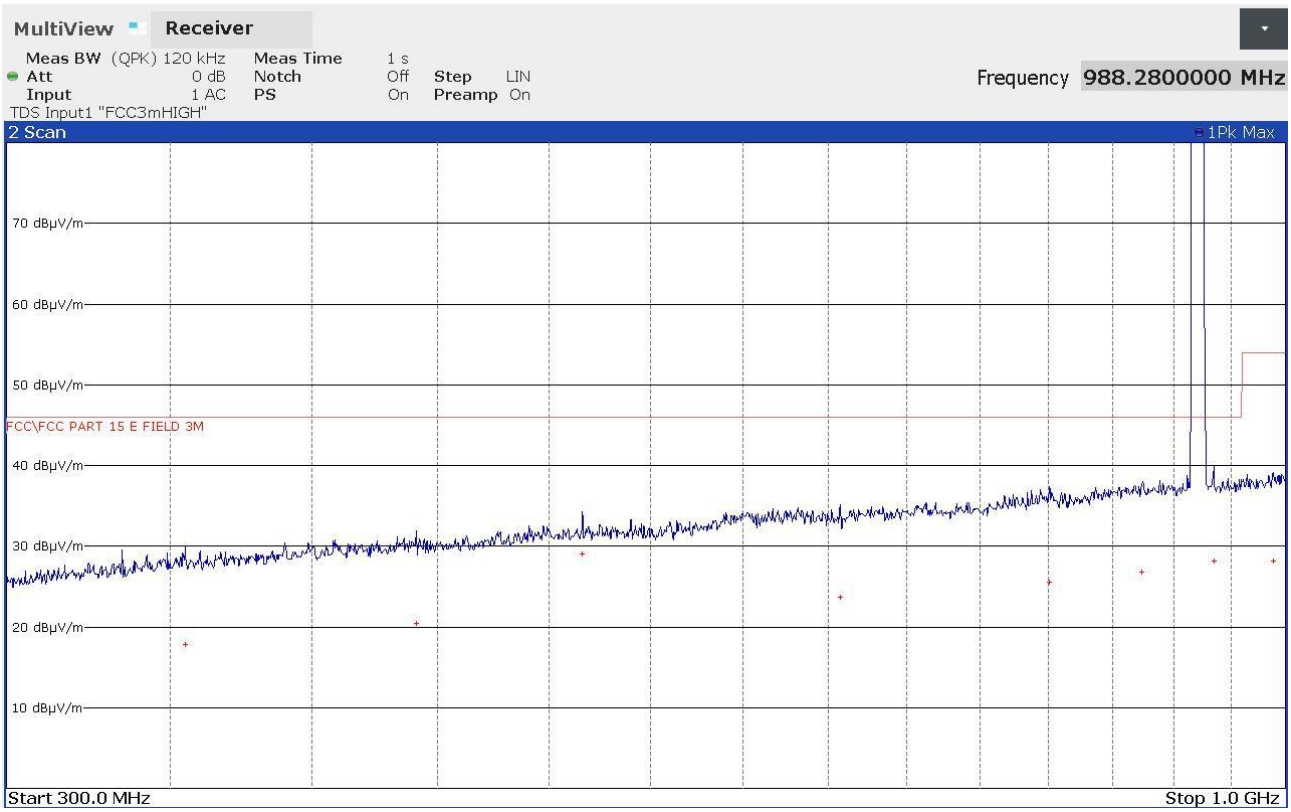
Polarization	*Frequency Range (MHz)*	*Graphs*	*Remarks*	*Verdict*
V	300 – 1000	G24097301	--	P
H	300 – 1000	G24097302	--	P
H	30 – 300	G24097303	--	P
V	30 – 300	G24097304	--	P
V	3000 – 18000	G24097305	--	P
H	3000 – 18000	G24097306	--	P
H	1000 – 3000	G24097307	--	P
V	1000 – 3000	G24097308	--	P
V	18000 – 26000	G24097309	--	P
H	18000 – 26000	G24097310	--	P
Loop	0,009 – 30	G24097311	--	P

Remarks: measurements at frequencies 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, using the transducer factor of the test receiver. EUT was tested in 3 orthogonal planes, graphs are related to the highest detected levels. Peaks above the limits are due to the main 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

Gandini 24097301-Vert-Tx Rx 915MHz+Tx Rx WiFi



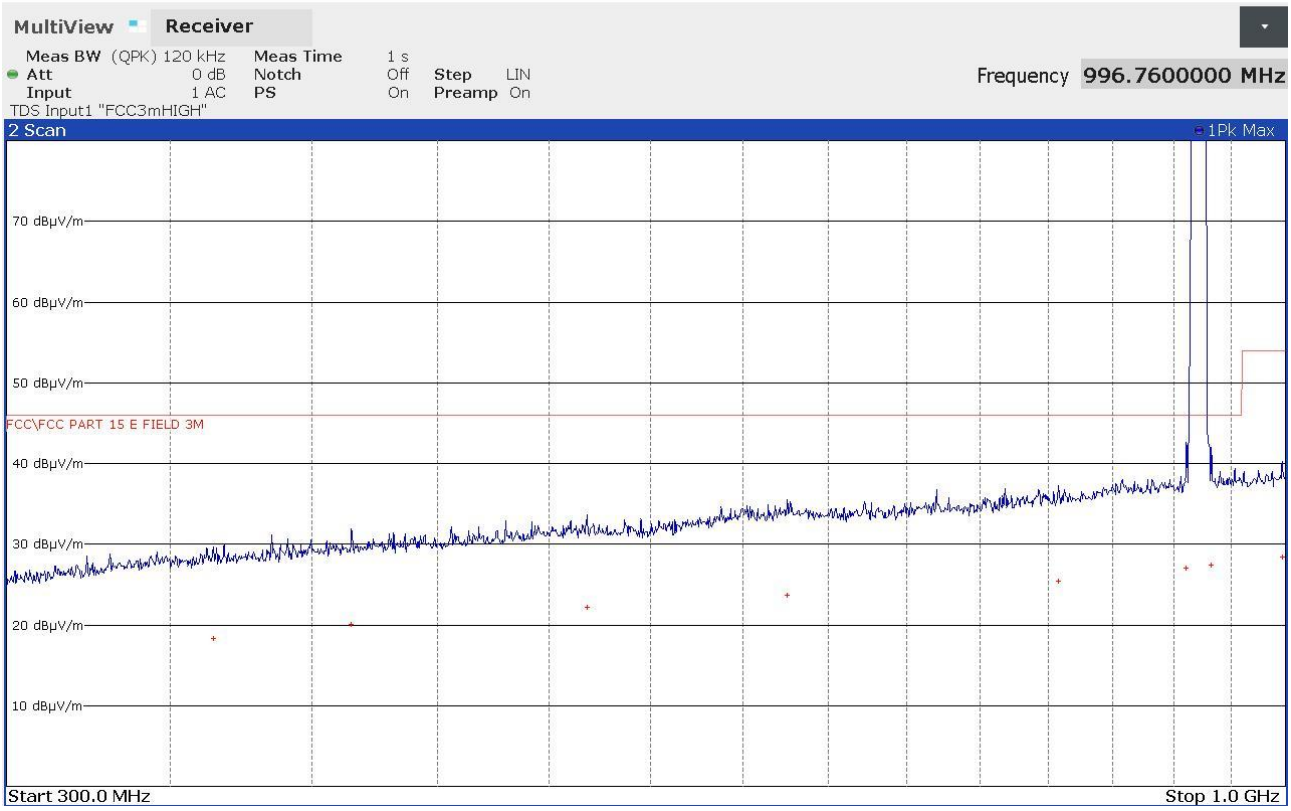
FINAL RESULT TABLE

QUASI PEAK

Freq Hz	Lev dBuV/m	Margin dB
355040000	+17,88	-28,12
441280000	+20,47	-25,53
516000000	+29,09	-16,91
657520000	+23,73	-22,27
801040000	+25,56	-20,44
873240000	+26,82	-19,18
935120000	+28,19	-17,81
988280000	+28,12	-25,78

24097301_2

Gandini 24097302-Horiz-Tx Rx 915MHz+Tx Rx WiFi



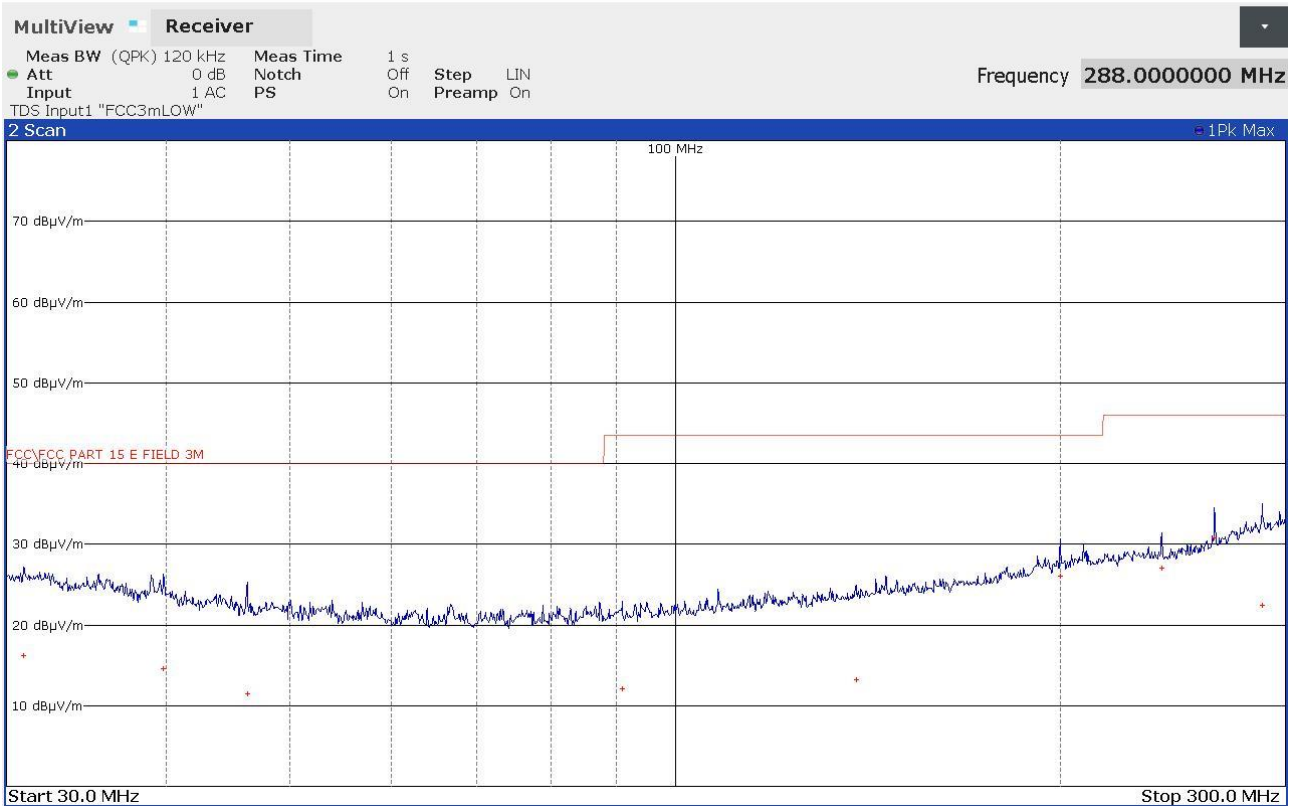
FINAL RESULT TABLE

QUASI PEAK

Freq Hz	Lev dBuV/m	Margin dB
364480000	+18,31	-27,69
415080000	+20,05	-25,95
518320000	+22,22	-23,78
625640000	+23,72	-22,28
807560000	+25,38	-20,62
910600000	+27,06	-18,94
932640000	+27,42	-18,58
996760000	+28,40	-25,50

24097302_2

Gandini 24097303-Horiz-Tx Rx 915MHz+Tx Rx WiFi



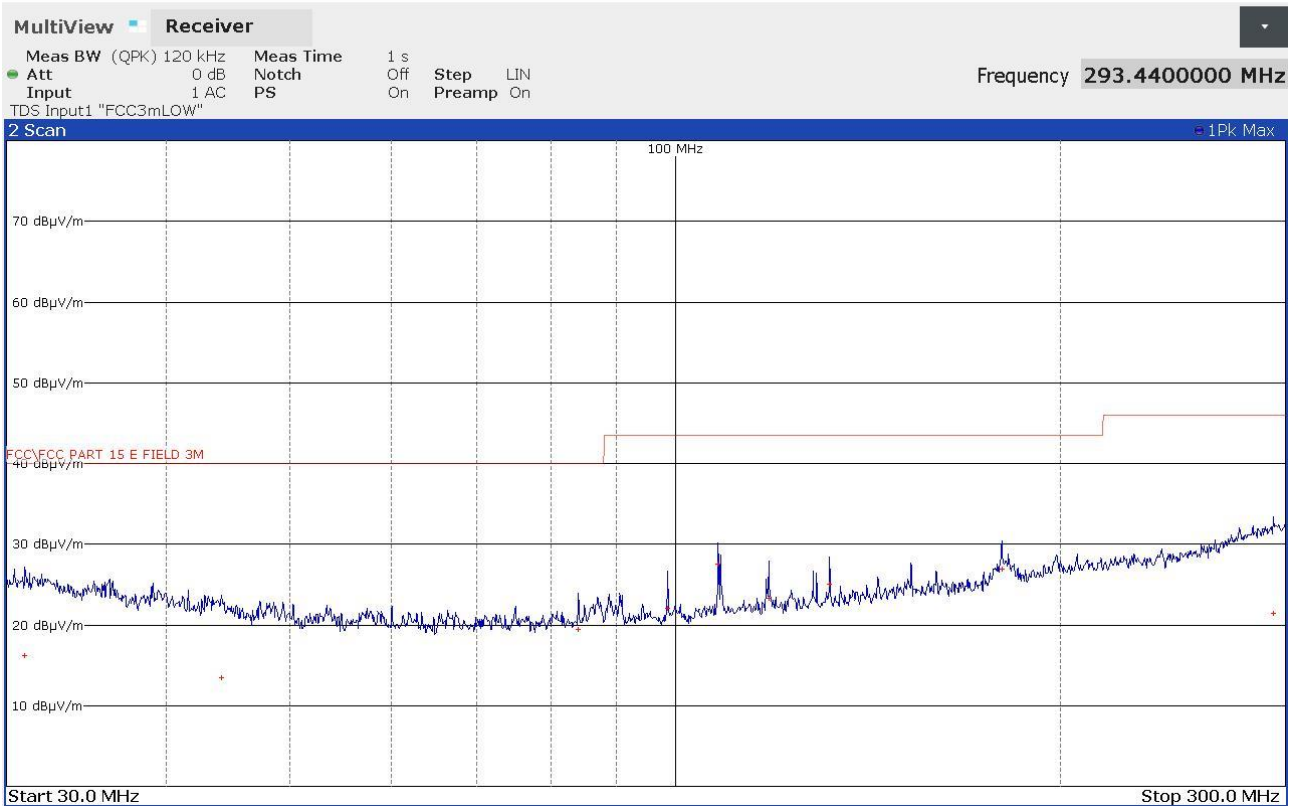
FINAL RESULT TABLE

QUASI PEAK

Freq Hz	Lev dBuV/m	Margin dB
30960000	+16,18	-23,82
39800000	+14,55	-25,45
46280000	+11,48	-28,52
90920000	+12,14	-31,36
138480000	+13,24	-30,26
200000000	+26,00	-17,50
240000000	+26,99	-19,01
264000000	+30,80	-15,20
288000000	+22,37	-23,63

24097303_2

Gandini 24097304-Vert-Tx Rx 915MHz+Tx Rx WiFi



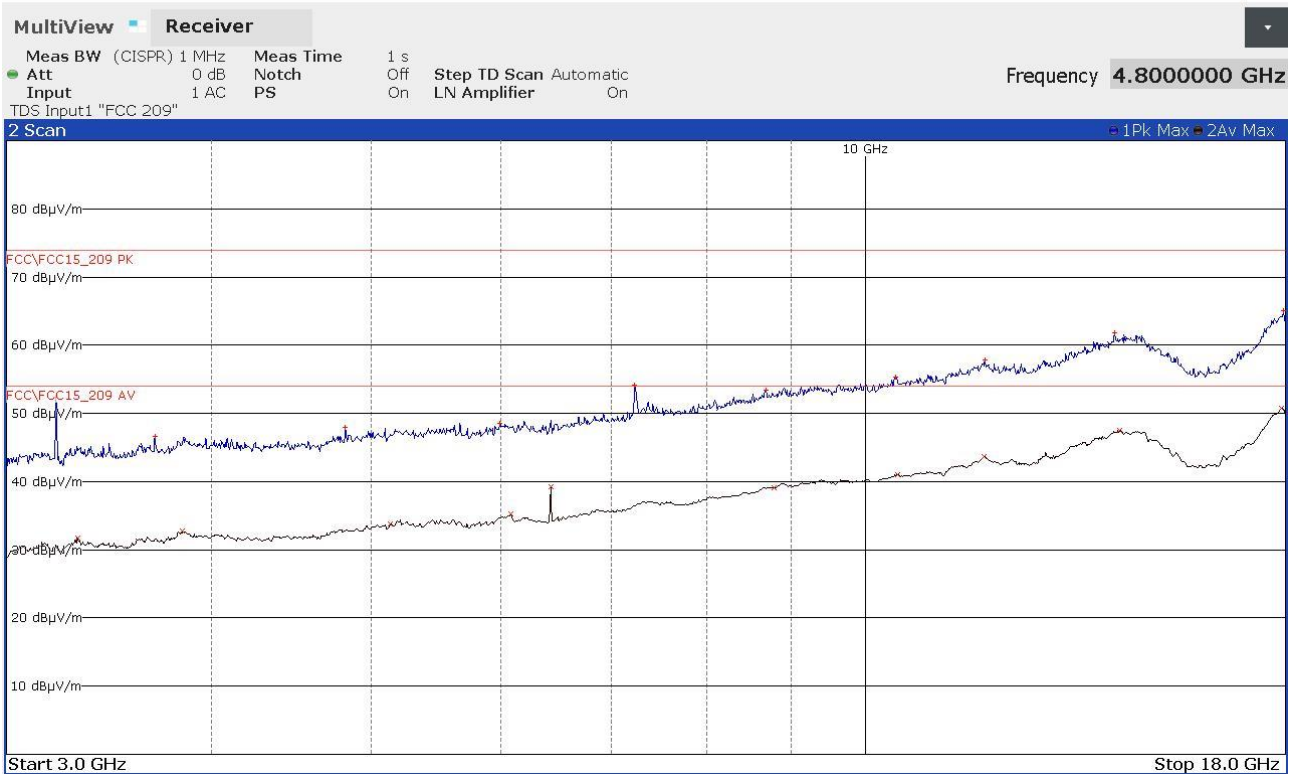
FINAL RESULT TABLE

QUASI PEAK

Freq Hz	Lev dBuV/m	Margin dB
31000000	+16,16	-23,84
44160000	+13,49	-26,51
84000000	+19,42	-20,58
98680000	+22,02	-21,48
108000000	+27,58	-15,92
118360000	+23,34	-20,16
132000000	+25,04	-18,46
180000000	+26,94	-16,56
293440000	+21,43	-24,57

24097304_2

Gandini 24097305-Vert-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

MAX PEAK

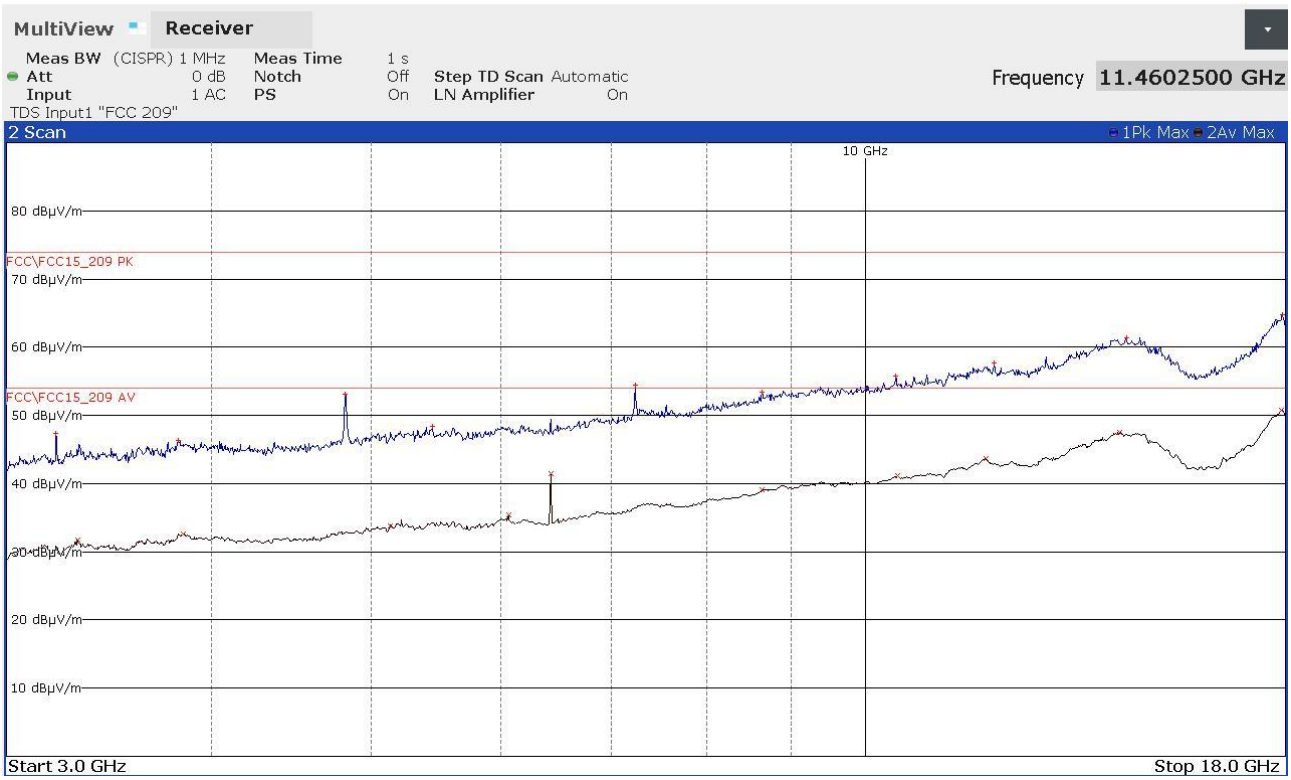
Freq Hz	Lev dBuV/m	Margin dB
3216000000	+52,32	-21,66
3692500000	+46,63	-27,35
4822750000	+47,88	-26,10
5988000000	+48,59	-25,39
7232500000	+54,12	-19,86
8689500000	+53,40	-20,58
10427750000	+55,26	-18,72
11813250000	+57,86	-16,12
14164000000	+61,85	-12,13
17945250000	+65,03	-8,95

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
3313000000	+31,65	-22,33
3840250000	+32,69	-21,29
5135250000	+33,81	-20,17
6083000000	+35,25	-18,73
6432000000	+39,30	-14,68
8790250000	+39,12	-14,86
10451250000	+41,08	-12,90
11793750000	+43,63	-10,35
14269750000	+47,57	-6,41
17909750000	+50,80	-3,18

24097305_2

Gandini 24097306-Horiz-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

MAX PEAK

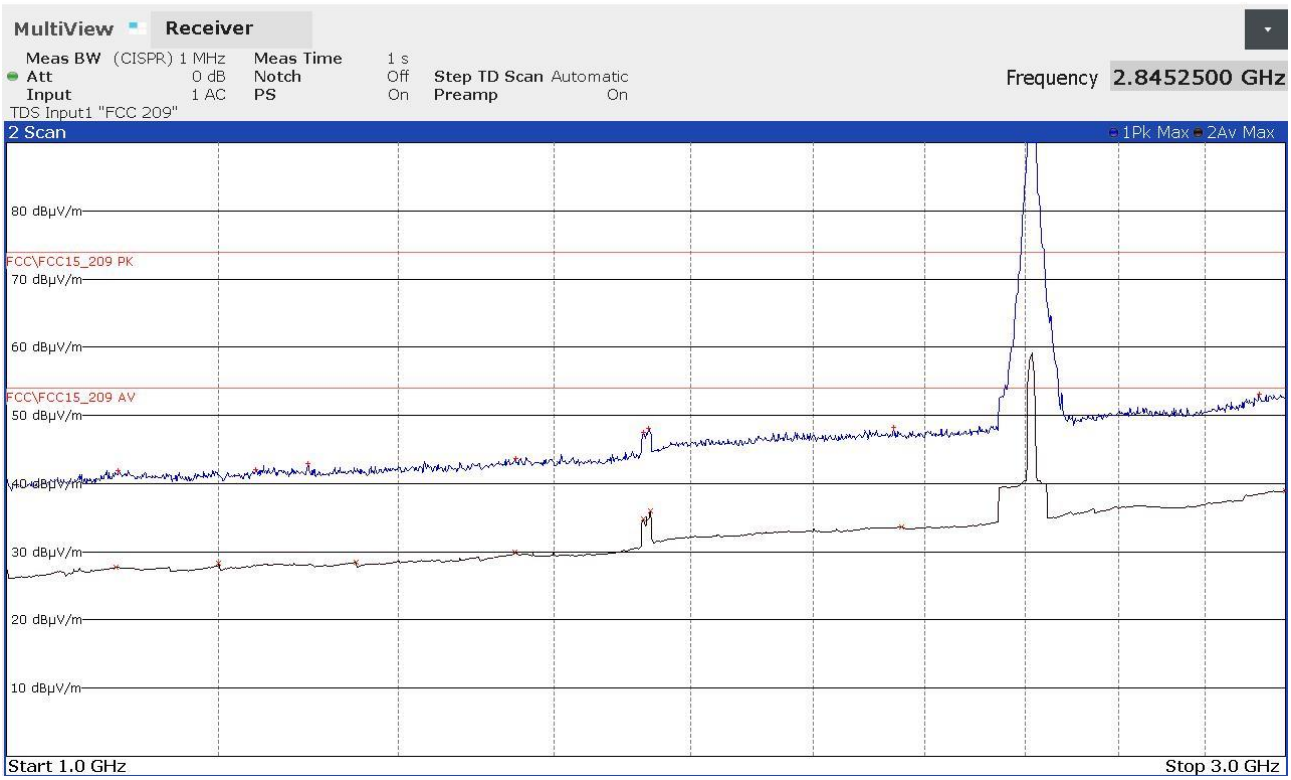
Freq Hz	Lev dBuV/m	Margin dB
3216000000	+47,33	-26,65
3815250000	+46,31	-27,67
4821750000	+53,12	-20,86
5449000000	+48,32	-25,66
7236250000	+54,42	-19,56
8648000000	+53,43	-20,55
10429000000	+55,81	-18,17
11968750000	+57,67	-16,31
14411750000	+61,33	-12,65
17912750000	+64,80	-9,18

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
3313250000	+31,65	-22,33
3841250000	+32,67	-21,31
5135250000	+33,80	-20,18
6061500000	+35,44	-18,54
6432000000	+41,46	-12,52
8650500000	+39,13	-14,85
10452250000	+41,10	-12,88
11830750000	+43,63	-10,35
14271000000	+47,57	-6,41
17909500000	+50,79	-3,19

24097306_2

Gandini 24097307-Horiz-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

MAX PEAK

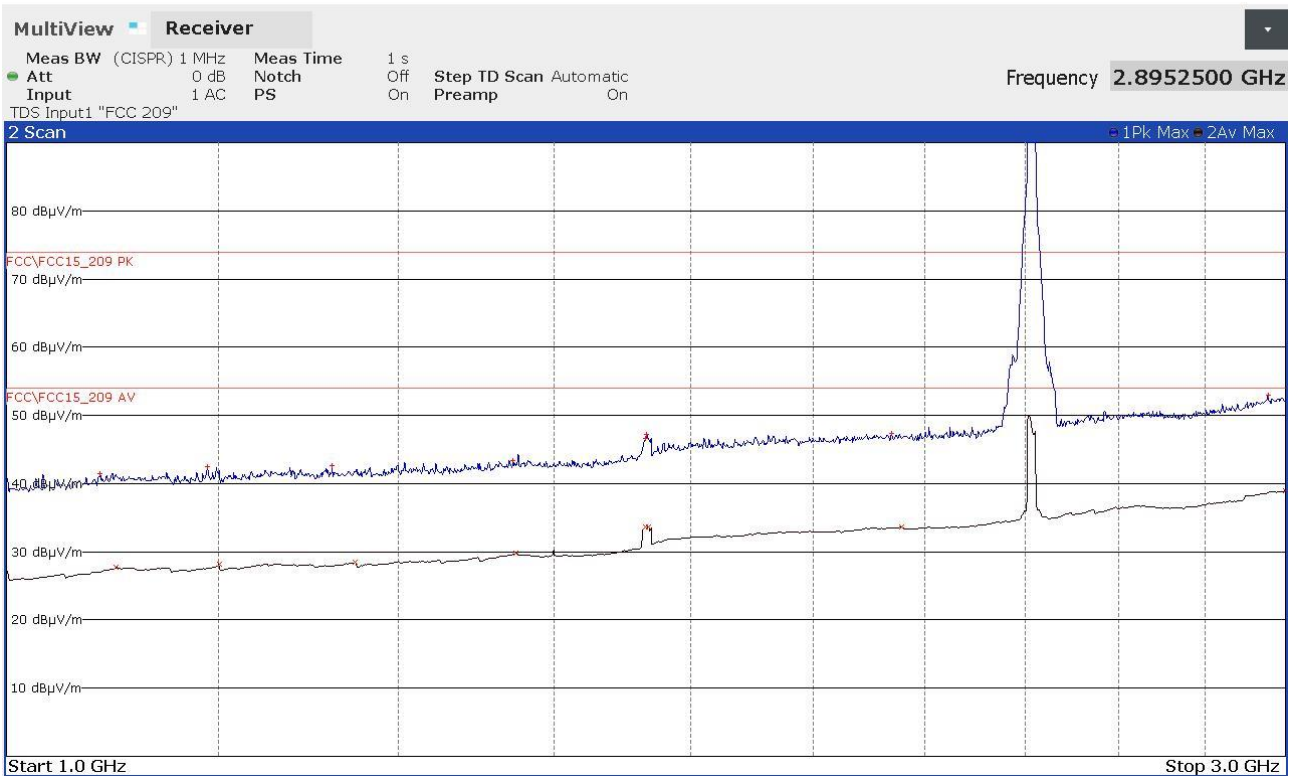
Freq Hz	Lev dBuV/m	Margin dB
1101000000	+41,90	-32,08
1239000000	+42,04	-31,94
1295750000	+42,92	-31,06
1548250000	+43,73	-30,25
1728250000	+47,52	-26,46
1736250000	+48,16	-25,82
2142250000	+48,30	-25,68
2932250000	+53,15	-20,83

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
1099000000	+27,78	-26,20
1200000000	+28,32	-25,66
1349750000	+28,49	-25,49
1548000000	+29,91	-24,07
1728250000	+34,77	-19,21
1738250000	+36,04	-17,94
2157000000	+33,65	-20,33
3000000000	+38,97	-15,01

24097307_2

Gandini 24097308-Vert-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

MAX PEAK

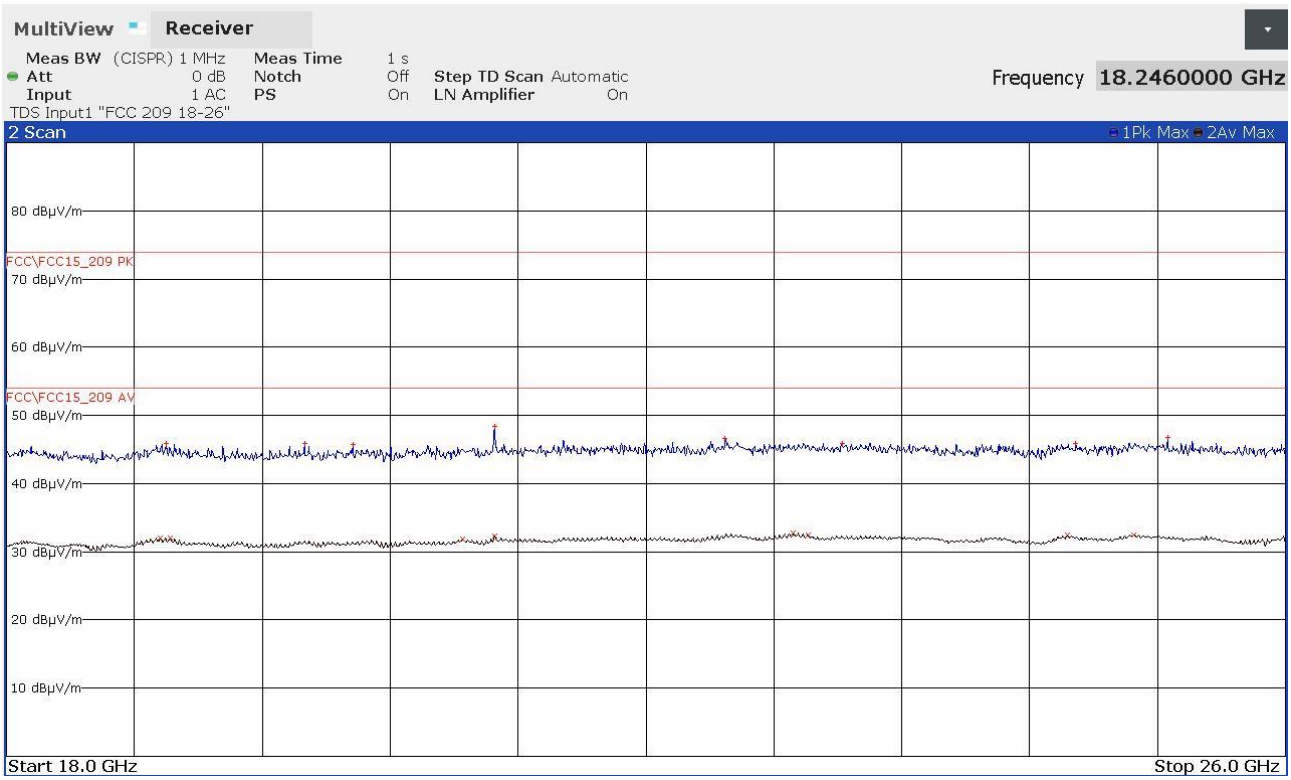
Freq Hz	Lev dBuV/m	Margin dB
1083750000	+41,50	-32,48
1188500000	+42,42	-31,56
1322750000	+42,69	-31,29
1545250000	+43,39	-30,59
1731750000	+46,62	-27,36
1733500000	+47,14	-26,84
2138500000	+47,32	-26,66
2955250000	+53,00	-20,98

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
1098750000	+27,70	-26,28
1200250000	+28,14	-25,84
1349500000	+28,47	-25,51
1549250000	+29,78	-24,20
1731000000	+33,65	-20,33
1735250000	+33,66	-20,32
2157250000	+33,59	-20,39
3000000000	+38,94	-15,04

24097308_2

Gandini 24097309-Vert-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

MAX PEAK

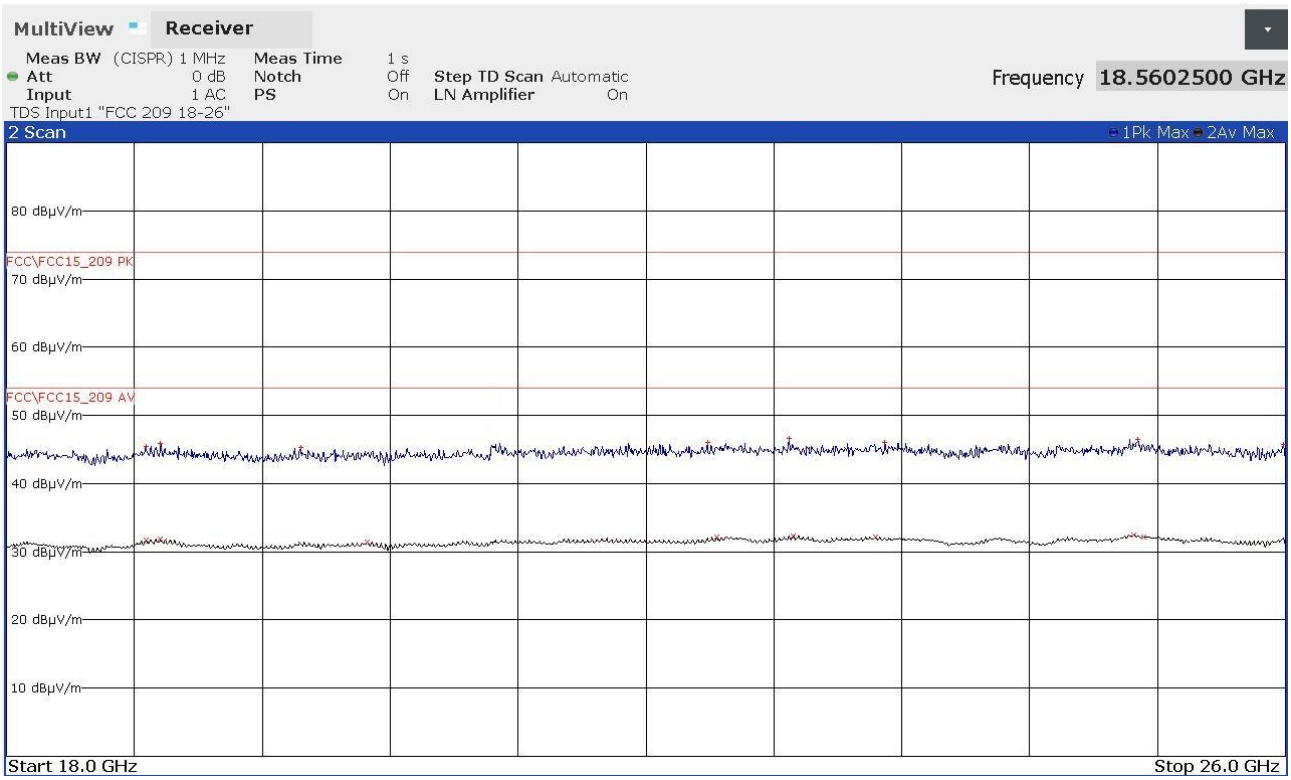
Freq Hz	Lev dBuV/m	Margin dB
18998250000	+45,82	-28,16
19864750000	+45,83	-28,15
20168750000	+45,75	-28,23
21052000000	+48,35	-25,63
22495500000	+46,59	-27,39
23225750000	+45,95	-28,03
24688250000	+45,83	-28,15
25264500000	+46,81	-27,17

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
18962000000	+32,09	-21,89
19023500000	+31,99	-21,99
20854250000	+31,83	-22,15
21051750000	+32,26	-21,72
22922000000	+32,73	-21,25
23012750000	+32,50	-21,48
24636000000	+32,48	-21,50
25048750000	+32,47	-21,51

24097309_2

Gandini 24097310-Horiz-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

MAX PEAK

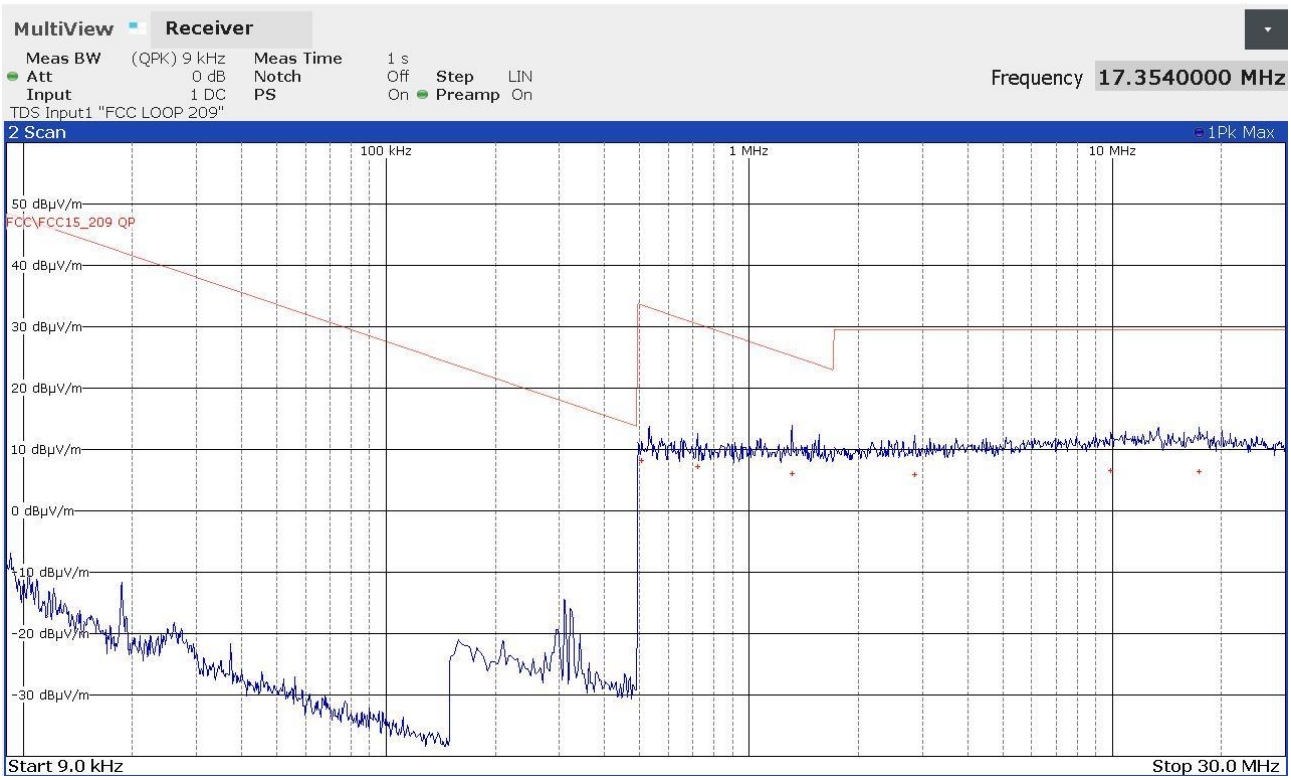
Freq Hz	Lev dBuV/m	Margin dB
18870750000	+45,45	-28,53
18964000000	+45,90	-28,08
19838750000	+45,23	-28,75
22385750000	+46,02	-27,96
22895500000	+46,60	-27,38
23493750000	+46,05	-27,93
25078500000	+46,45	-27,53
25988750000	+45,78	-28,20

AVERAGE

Freq Hz	Lev dBuV/m	Margin dB
18871000000	+31,67	-22,31
18962750000	+31,89	-22,09
20255000000	+31,49	-22,49
22442000000	+32,10	-21,88
22921250000	+32,34	-21,64
23433500000	+32,20	-21,78
25049000000	+32,51	-21,47
25117000000	+32,21	-21,77

24097310_2

Gandini 24097311-Loop-Tx Rx 915MHz+Tx Rx WiFi



FINAL RESULT TABLE

QUASI PEAK

Freq Hz	Lev dBuV/m	Margin dB
506000	+8,18	-25,34
722000	+7,20	-23,23
1310000	+6,11	-19,15
2858000	+5,91	-23,63
9914000	+6,48	-23,06
17354000	+6,36	-23,18

24097311_2

Attachment 1

Measurement uncertainty

Test	*Test Setup*	*Expanded uncertainty*				*Note*
Conducted emission CISPR 16 LISN 50uH 0,009-0,0150 MHz	PE001_01			3,6	dB	1
Conducted emission CISPR 16 LISN 50uH 0,150-30,0 MHz	PE001_01			2,9	dB	1
Conducted emission CISPR 16 Voltage Probe 0,15-30 MHz	PE001_02			2,3	dB	1
Conducted emission CISPR 16 Current Probe 0,15-30 MHz	PE001_03			2,5	dB	1
Conducted emission CISPR 16 ISN 0,15-30 MHz	PE001_04			4,7	dB	1
Clic CISPR 16 LISN 50uH 0,150-30,0 MHz	PE001_05			2,9	dB	1
Radiated Emission CDNE 30-300 MHz	PE001_06			3,3	dB	1
Disturbance Power 30-300 MHz	PE002_X1			3,8	dB	1
Radiated Emission LAS 0,15-30 MHz	PE003_01			2,0	dB	1
Radiated Emission CISPR 16 Loop Ant. 0,15-30 MHz	PE004_X1			4,1	dB	1
Radiated Emission CISPR 16 Bicon. Ant. 30-300 MHz	PE004_X2			4,7	dB	1
Radiated Emission CISPR 16 LogP. Ant. 300-1000 MHz	PE004_X3			4,6	dB	1
Radiated Emission CISPR 16 Horn Ant. 1-18 GHz	PE004_X4			4,7	dB	1
Human Exposure to electromagnetic fields	PE005_01			14,2	%	1
Harmonics	PE006_01	10 mA	+	2,9	%	1
Flicker	PE007_01			3,40	%	1
Radiated Immunity 80 MHz - 6 GHz	PE102_XX	2,26	dB	0,89	V/m a 3V/m	1
Conducted Immunity 0,15 - 230 MHz	PE105_XX	1,26	dB	0,47	V a 3V	1
AC Magnetic field	PE106_01	1,55	%	0,15	A/m a 10A/m	1
Pulse Magnetic field	PE107_01	6,21	%	18,6	A/m a 300A/m	1
Dumped Magnetic field	PE108_01	6,21	%	1,86	A/m a 30A/m	1
Common mode conducted immunity	PE112_01	2,11	%	0,21	V a 10V	1

Attachment 1

Test	*Test Setup*	*Expanded uncertainty*	*Note*
Power/Spurious 9kHz-30MHz	PR001_X1	4,1 dB	1
Power/Spurious ERP 30-1000MHz d=10m/3m	PR001_X2+X3	4,8 dB	1
Misura della potenza EiRP 1-18GHz d=3m	PR001_X4+X5	4,7 dB	1
Misura della potenza EiRP 18-40GHz d=3m	PR001_X6	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_24_01 date 03/02/2024			

Note 1:

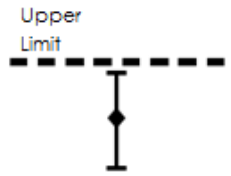
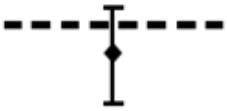
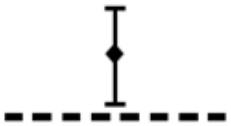
The expanded uncertainty reported according to the document EA-4-02 is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p = 95%

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

Case 1	Case 2	Case 3	Case 4
			
The sample complies with the requirements. The measurement results is within the specification limit when the measurement uncertainty is taken into account.	The sample complies with the requirements. It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty although the measurement result is below the limit.	The sample does not comply with the requirements. It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty also the measurement result is upper the limit.	The sample does not comply with the requirements. The measurement results is outside the specification limit when the measurement uncertainty is taken into account.

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

Attachment 2

Components list by the customer

Model J9A Type VZ9QH Configuration PA00D40T						
Descrizione	**Versione HW**	**FW1**	**FW2**	**FW3**	**FW4**	**Q.tà**
CONNETTORE PLUG M-KEY 0-1 AJC						1
COMP. COMUNI MARS. *JT PER CONFIGURATORE						1
TELAIO *JT DISPLAY 4,3"						1
SCAFO SUP. *JT 6 LED						1
SCAFO INF. *JT BATTERIA LPM04						1
PULSANTE DI STOP IDEC RED D16 COD.XA1E-BV3U02R TK2944						1
DISPLAY 4,3" LINUX CON PLACCA + WIFI						1
FSATFT43D SCH.DISPLAY TFT 4,3" LINUX + WIFI	1.0.B.L	UN69AU16M01000857	Bridge_TFT43_Rev-03	AUTECSRV_Rev-09	VFM_pair_rev-11	1
FSAWIF01A MODULO WIFI /USB	1.0.B.A					1
AirTR42FH TRASM.+CODER MARSUPI AIR 870/915MHZ FREQUENCY HOPPING	1.0.F.F	TR_COD915870_REV-54	TS_A8_REV-52			1
ANT039 ANT DUALBAND 870-915MHz PER DJM/R DYN PLUS	1.0.A.A					1
FSAKBD06A INTERFACCIA 6 PULSANTI PER DISPLAY 4.3"	0.0.A.A					
FSATUC03A INTERFAC. x FILOCOM. HIGH POWER FSA	1.0.E.A					1
KIT FILI COM. ON/OFF AIR JC/Q +PULS PB						1
KIT FILI ON/OFF 1xJC3000 AIR						1
KIT FILI PER STOP ON TOP AJC						1
AL-01 BB-220 JOYSTICK DIG. 2x2						1
AL-01 BB-220 JOYSTICK DIG. 2x2						1
COULISSE LINEAR JOYSTICK AL-01 A CROCE						1
KNOB AL-01 M5 WITH LOGO						2
KIT DEV. 1P (ON)-OFF-(ON) 3r APEM						1
KIT DEV. 1P ON-OFF-ON 3f APEM						1
PULSANTE MTEC PB-16 13-ANS						2
KIT 2 CHIAVI MAGNETICHE M-KEY						1
CINGHIA VENTRALE NERA L=83cm PER FJM/AJM						1
PCE495 PANNELLO FRONTALE LOGO *JC/*JN*JQ						1
n.1 VITE TC CROCE M4x22 INOX A2						4
AIRCHT06A ID INTER. TX MEMORY AIR						1
FERR. CILINDRICA DA CAVO 8x15 Ø6.5						1
KIT FILI 2 LED DISPLAY 4.3" AIR FH						
KIT FILI PER DISPLAY 4.3" AIR FH						
KIT FILI SCHEDA 2 ALL. FJL FSA L=120MM						
CAVETTO PER PROGRAMMAZIONE DISPLAY 4.3"						
TAPPO PLASTICO PER CONNET. M8 Phoenix 1682540						
KIT FILI START M-KEY AIR						