



Test report

Number T251-0312/25 Project file: C20250741

Date: 2025-05-22

Pages: 28

Product: Notecard

Type reference: NOTE-MBGLW

Ratings: VIO - 1.8 V or 3.3 V; 150 mA

VMODEM - 2.5 V to 5.5 V; 750 mA

(powered directly from a development board and AC/DC power supply

delivering 5 V d.c. to the board)

Trademark: /

Applicant: Blues Inc.

Harbor Street 50, 01944 Manchester, USA

Manufacturer: Blues Inc.

Harbor Street 50, 01944 Manchester, USA

Place of manufacture: /

Summary of testing

Testing method: 47 CFR Part 15, Subpart B (Clause 15.107 and 15.109) last amended

2025-01-06 in conjunction with ANSI C63.4:2014

ICES-003, issue 7 in conjunction with ICES-Gen, Issue 2 and ANSI

C63.4:2014 amended as per ANSI C63.4a:2017

Testing location: SIQ Ljubljana

Mašera-Spasićeva ulica 10, SI-1000 Ljubljana, Slovenia

FCC designation number: SI0001

ISED Conformity Assessment Body Identification Number: SI0001

Remarks: Date of receipt of test items: 2025-03-19

Number of items tested: 1

Date of performance of tests: 2025-03-25 - 2025-04-22

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

The test items were tested in the condition as received.

The product complies with the requirements of the testing methods.

Tested by: Aljaž Bajec Approved by: Marjan Mak

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1. General

Abbreviations and markings:

Port	Physical interface through which electromagnetic energy enters or leaves the EUT	
AE associated equipment	Equipment needed to exercise and/or monitor the operation of the EUT	
EUT	Equipment Under Test	
Highest internal frequency (Fx)	Highest fundamental frequency generated or used within the EUT or highest frequency at which it operates	
RF	Radio Frequency	

Possible test case verdicts:

Test does not apply to the tested sample:	N/A
Tested sample passed the requirements:	P (Pass)
Tested sample failed the requirements:	F (Fail)
Test was not performed:	N/P (Not performed)

Throughout this report a comma is used as the decimal separator. Numerical data taken from IEC standards are using a comma as the decimal separator.

History sheet:

Date:	Report No.:	Change:	Revision:
2025-05-22	T251-0312/25	Initial Test Report issued.	

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2. Measurement uncertainty

The following measurement uncertainty levels have been calculated according to the SIQ internal document EN208, as specified in CISPR 16-4-2 and EN 55016-4-2. The uncertainties represent an expanded uncertainty expressed at 95% confidence level using a coverage factor k=2.

The following measurement uncertainty has been included in test results as specified in each of the basic referenced standards as applicable.

Measurement / test method	U _{LAB}	UCISPR
Conducted emission measurement (150 kHz to 30 MHz)	2,7 dB	3,4 dB
Radiated emission measurement (electric field strength at an OATS or in a SAC) - (30 MHz to 1000 MHz)	5,3 dB	6,3 dB
Radiated disturbance (electric field strength in a FAR) – (1-6 GHz)	4.4	5.2
Radiated disturbance (electric field strength in a FAR) – (6-18 GHz)	5.2	5.5
Radiated disturbance (electric field strength in a FAR) – (18-26 GHz)	5.0	N/A
Radiated disturbance (electric field strength in a FAR) – (26-40 GHz)	5.7	N/A

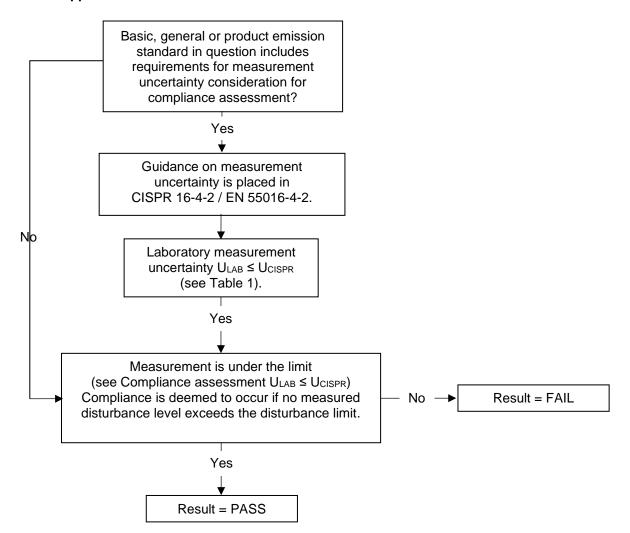


3. Decision rule

Application of decision rule and statement of conformity is defined in document TN023 Decision rule and measurement uncertainty.

As a general rule Pass/Fail decisions are based on simple acceptance rule and acceptance limits chosen based on simple acceptance (w = 0, AL = TL) except if a decision rule is governed by particular standard or guidance document.

Decision rule applicable for emission:



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4. Product specific data

General description of test item:

The device is a data-pump to be built into other Devices. It features LTE and WiFi connectivity.

Product key:

NOTE-MBGLW contains Quectel EG916Q-GL LTE module and SiLabs WFM200S Wi-Fi module.

	red with AC/DC pow	er supply and 5 V d.c. fro	om the development	
board	Powered with AC/DC power supply and 5 V d.c. from the development			
23010	board			
Quec	tel EG916Q-GL: XMI	R2024EG916QGL		
SiLab	s WFM200S: QOQV	VFM200		
Quec	tel EG916Q-GL: 102	24A-023EG916QGL		
SiLab	s WFM200S: 5123A	-WFM200		
Cate	gory II			
2.5				
7				
\boxtimes	Table-top equipment:			
	Floor-standing equipment:			
	Wall/ceiling mounted equipment:			
	Hand-held equipment:			
	Other:			
Name) :	LTE module:	Frequency:	
transi	mission frequency	Quectel EG916Q-GL	2690 MHz	
SiLabs WFM200S: QOO Quectel EG916Q-GL: 1 SiLabs WFM200S: 512 Category II 2.5 7		Quectel EG916Q-GL: XMI SiLabs WFM200S: QOQW Quectel EG916Q-GL: 102 SiLabs WFM200S: 5123A Category II 2.5 7	Quectel EG916Q-GL: XMR2024EG916QGL SiLabs WFM200S: QOQWFM200 Quectel EG916Q-GL: 10224A-023EG916QGL SiLabs WFM200S: 5123A-WFM200 Category II 2.5 7	

Port(s):

Port No.	Name	Туре	Cable Length / m	Cable Shielded
0	Enclosure	N/E	/	1
1	AC power supply	AC	/	/
Note: AC = AC mains power port DC = DC power port of the EUT I/O = Signal/control port WNP = wired network port GND = grounding N/E = Non-Electrical				

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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.



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Information to the user acc. to 47 CFR Part 15, Subpart B:

Clause	Requirement	Result - Remark	Verdict
§ 15.105	Information to the user		
15.105 (a)	For a Class A digital device or peripheral, the instructions furnished the user shall include the statement specified in 15.105 (a), placed in a prominent location in the text of the manual.	Not Class A digital device.	N/A
15.105 (b)	For a Class B digital device or peripheral, the instructions furnished the user shall include the statement specified in 15.105 (b), placed in a prominent location in the text of the manual.	Class B digital device. The product is not an end device and is only supplied with the final product it is intended to charge.	Р

The Class A statement cautions that operation of the device in a residential area is likely to cause harmful interference.

The Class B statement offers several suggestions for minimizing interference to radio or TV receivers. including reorienting the receiving antenna and moving the Class B device farther away from the receiver.

Labelling and user manual requirements acc. to ICES-003 issue 7:

Clause	Requirement	Result - Remark	Verdict			
4.2	Labelling and user manual requirements					
	ISED compliance label specified below shall be placed on the marking plate or manual: CAN ICES-003(*) / NMB-003(*) * Insert either "A" or "B", but not both, to identify the applicable Class of the device used for compliance verification.	Acc. to clause 1.2.2 external power supplies marketed together with end ITE equipment need not be labelled as specified in 4.2. The labelling requirement is normative for the ITE or digital apparatus itself, but optional for the external power supply/converter that is marketed together with that ITE or digital apparatus	P			

NOTE: The information in this section has been provided by the applicant.

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5. Equipment under test (EUT)

Product Type	Device	Manufacturer	Model No.	Comments
EUT	Notecard	Blues Inc.	NOTE-MBGLW	/
AE	Development board	/	NOTECARRIER – D V1.	6 /
AE	Power supply	Rigol	DP832	/

Note: EUT = Equipment Under Test AE = Associated Equipment

Pictures of EUT:



Pictures of associated equipment:

See pictures of test setups

Operating conditions:

Clause	Test	Connection type	Operating conditions
9.1	Conducted emission measurement	Single phase	120 V; 60 Hz supplied to AC/DC power supply with 5 V d.c. to the development board
9.2	Radiated emission measurement	Single phase	120 V; 60 Hz supplied to AC/DC power supply with 5 V d.c. to the development board

Operating modes:

No.	Operating mode
1	Command mode modem-test. Transmission from the LTE module is not enabled. Notecard is working as intended with LTE module turned on in standby.
2	Wi-Fi mode is achieved by pressing button on NOTECARD.

Tested sample:

Sample number	Used for measurement
S202501648	All measurements



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6. Testing summary section

STANDARDS (details on first page)	PERFORMED ¹⁾	CONCLUSION1)
47 CFR Part 15, Subpart B	YES	Р
ICES-003	YES	Р
1) See details in table(s) below		

Referenced standard:	47 CFR Part 15, Subpart B (Clause 15.107) in conjunction with ANSI C63.4:2014				
Test (emission)	Clause within the report Class Conclusion				
Conducted emission measurement	Clause 15.107 of 47 CFR Part 15	9.1	В	Р	
Radiated emission measurement	Clause 15.109 of 47 CFR Part 15 9.2 B P				

Referenced standard:	Referenced standard: ICES-003, issue 7 in conjunction with ICES-Gen, Issue 2 and ANSI C63.4:2014 amended as per ANSI C63.4a-2017			
Test (emission)	Clause within the report Class Conclusion			
Conducted emission measurement	Clause 3.2.1 of ICES-003	9.1	В	Р
Radiated emission measurement	Clause 3.2.2 of ICES-003	9.2	В	Р

NOTE: no non-standard test method used

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7. Environmental conditions

The climatic conditions during the tests were within the following limits:

Ambient temperature: 15 °C to 35 °C Relative humidity: 15 % to 75 % Atmospheric pressure: 860 mbar to 1060 mbar



8. LIMITS

8.1 Conducted emission limits

8.1.1 Limits according to 47 CFR Part 15.107 and ICES-003

CLASS B limits:

Frequency Range	Limits (dBμV)		
(MHz)	Quasi-peak	Average	
0.15 to 0.5	66 – 56*	56 – 46*	
0.5 to 5.0	56	46	
5.0 to 30.0	60	50	

^{*} Decreases with the logarithm of the frequency.

CLASS A limits:

Frequency Range	Frequency Range Limits (dBµV)	
(MHz)	Quasi-peak	Average
0.15 to 0.5	79	66
0.5 to 30.0	73	60



8.2 Radiated emission limits

8.2.1 Required highest measurement frequency for radiated emissions:

Highest internal frequency (F _x)	Highest measurements frequency (F _M)
Fx≤ 108 MHz	1 GHz
108 MHz < F _X ≤ 500 MHz	2 GHz
500 MHz < F _X ≤ 1 GHz	5 GHz
F _X > 1 GHz	5 x F _x up to a maximum of 40 GHz

8.2.2 Limits according to 47 CFR Part 15.107

CLASS B limits:

Frequency Range (MHz)		Limits (dBµV/m) 3 m distance	
30 to 88	40		
88 to 216	43.5	Overi Deek	
216 to 960	46	Quasi Peak	
960 to 1000	54		
above 1000	54	Average	
above 1000	74	Peak	

CLASS A limits:

Limits (dBµV/m)	
10 m distance	
39.1	
43.5	Quasi Peak
46.4	
49.5	
49.5	Average
69.5	Peak
	39.1 43.5 46.4 49.5 49.5



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8.2.3 Limits according to ICES-003

Frequency range 30 MHz – 1 GHz:

	Class A		Class B	
Frequency Range (MHz)	3 m distance Quasi-peak (dΒμV/m)	10 m distance Quasi-peak (dΒμV/m)	3 m distance Quasi-peak (dBµV/m)	10 m distance Quasi-peak (dΒμV/m)
30 - 88	50.0	40.0	40.0	30.0
88 - 216	54.0	43.5	43.5	33.1
216 - 230	56.9	46.4	46.0	35.6
230 - 960	57.0	47.0	47.0	37.0
960 - 1000	60.0	49.5	54.0	43.5

Frequency range at and above 1 GHz; 3 m distance:

Frequency range (GHz)	Clas	ss A	Class B			
	Average dB(μV/m)	Peak dB(μV/m)	Average dB(μV/m)	Peak dB(μV/m)		
1 - F _M	60	80	54	74		

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9. Test results

9.1 Conducted emission measurement

9.1.1 Test procedure

· For equipment tested as table-top:

The EUT is placed on a non-conductive 0.8 meters high table, 0.4 meters from the vertical conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). LISN provide 50 Ohm / 50 μ H + 5 Ohm of coupling impedance for the measuring instrument.

• For equipment tested as floor-standing:

The EUT is placed on a non-conductive 0.1 meters high support, 0.4 meters from the vertical conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). LISN provide 50 Ohm / 50 μ H + 5 Ohm of coupling impedance for the measuring instrument.

- Sufficient time for the EUT, support equipment, and test equipment was allowed, for them to warm up to their normal operating condition.
- If device is a DC powered device with no dedicated AC/DC power converter, a random converter is provided to the test set-up.
- AC power lines of EUT are checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz is searched using PEAK, QUASI-PEAK and AVERAGE function of the receiver.
- If applicable functions are changed (data transfer speed, clock speed....) it should be noted in the test report.



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9.1.2 Test results according to 47 CFR Part 15.107 and ICES-003

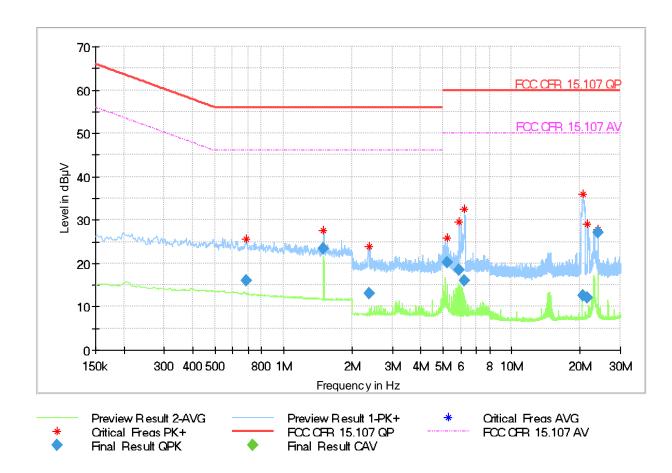
Operating mode(s):

EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120 V / 60 Hz, LTE

Lines L+N



Frequenc	QuasiPeak	CAverage	Limit	Margin	Meas.	Bandwidth	Line	Filter	Corr.
У	(dBµV)	(dBµV)	(dBµV)	(dB)	Time	(kHz)			(dB)
(MHz)					(ms)				
0.683250	16.10		56.00	39.90	1000.0	9.000	N	ON	10.0
1.500000	23.52		56.00	32.48	1000.0	9.000	L1	ON	9.8
2.364000	13.03		56.00	42.97	1000.0	9.000	N	ON	9.8
5.239500	20.30		60.00	39.70	1000.0	9.000	N	ON	9.8
5.874000	18.41		60.00	41.59	1000.0	9.000	L1	ON	9.8
6.225000	16.01		60.00	43.99	1000.0	9.000	L1	ON	9.7
20.600250	12.58		60.00	47.42	1000.0	9.000	N	ON	10.0
21.522750	12.18		60.00	47.82	1000.0	9.000	L1	ON	10.0
24.000000	27.04		60.00	32.96	1000.0	9.000	N	ON	10.0

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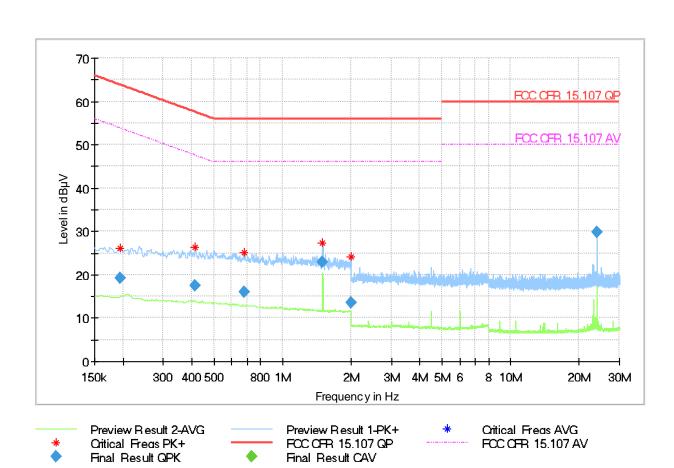
Operating mode(s):	2
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EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, Wi-Fi

Lines L+N



Frequenc y	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Line	Filter	Corr. (dB)
(MHz)	,	` ' '	` ' '	` ,	(ms)	, ,			` ,
24.000000	29.82		60.00	30.18	1000.0	9.000	N	ON	10.0
1.500000	22.92		56.00	33.08	1000.0	9.000	L1	ON	9.8
0.676500	15.98		56.00	40.02	1000.0	9.000	L1	ON	10.0
0.415500	17.48		57.54	40.06	1000.0	9.000	L1	ON	10.1
1.990500	13.45		56.00	42.55	1000.0	9.000	N	ON	9.8
0.195000	19.15		63.82	44.67	1000.0	9.000	L1	ON	9.9

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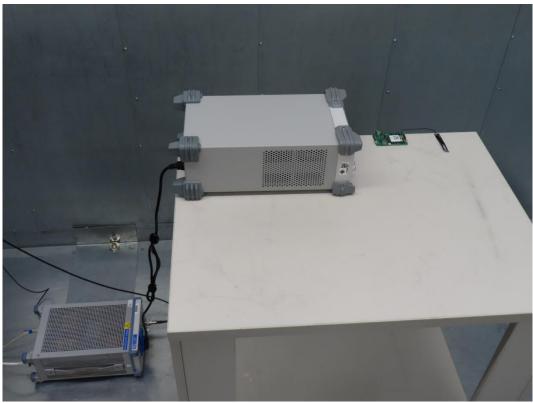


Figure 1: Test setup for conducted emission measurement

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9.2 Radiated emission measurement

9.2.1 Test procedure

• For equipment tested as table-top:

The EUT is placed on a non-conductive 0.8 meters high table with EUT being directly or via AC/DC power supply connected to the power mains.

For equipment tested as floor-standing:

The EUT is placed on a non-conductive 0.1 meters high table with EUT being directly or via AC/DC power supply connected to the power mains.

- The EUT is set 3 m away from the interference-receiving antenna, which was mounted on the top of variable-height antenna tower.
- The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT is arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the turn table is turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system is set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- The highest points are to be re-tested one by one using the quasi-peak method.
- In case of a Class A device in frequency range of up to 1 GHz, a calculation of highest 5 points is made from 3m to a 10 m distance. For points over 10 dB under the limit, the calculation is not performed.
- CMAD has not been applied in test setup.



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9.2.2 Test results according to 47 CFR Part 15.109

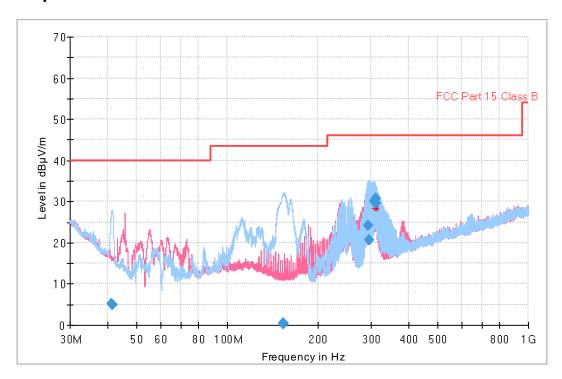
Operating mode(s): 1

EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, LTE

Full Spectrum



Frequency	QuasiPeak	Limit	Margin	Meas. Time	Bandwidt	Height	Pol	Azimut	Corr
(MHz)	(dBµV/m)	(dBµV/m	(dB)	(ms)	h	(cm)		h	
)			(kHz)			(deg)	(dB/
312.330000	30.66	46.00	15.34	3000.0	120.000	104.0	Н	3.0	13.1
307.470000	30.14	46.00	15.86	3000.0	120.000	103.0	Н	0.0	12.9
312.510000	29.58	46.00	16.42	3000.0	120.000	106.0	Н	0.0	13.1
294.600000	24.10	46.00	21.90	3000.0	120.000	104.0	Н	0.0	12.4
294.870000	20.60	46.00	25.40	3000.0	120.000	100.0	Н	0.0	12.4
41.190000	5.27	40.00	34.73	3000.0	120.000	100.0	Н	344.0	13.1
41.550000	4.92	40.00	35.08	3000.0	120.000	103.0	Н	344.0	12.9
153.600000	0.44	43.50	43.06	3000.0	120.000	106.0	Н	344.0	9.1
153.420000	0.42	43.50	43.08	3000.0	120.000	103.0	Н	344.0	9.1
153.720000	0.33	43.50	43.17	3000.0	120.000	104.0	Н	344.0	9.1

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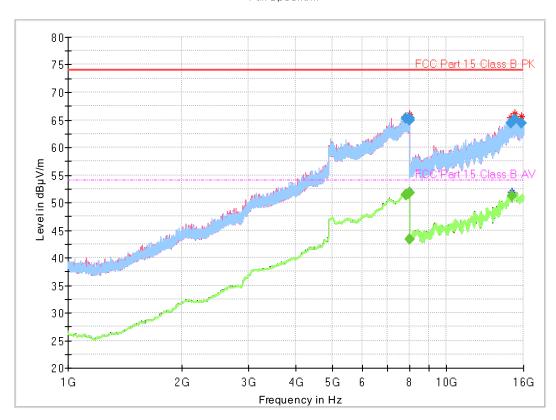


EUT Information

EUT: Operating mode:

NOTE-MBGLW Uin: 120V / 60 Hz, LTE

Full Spectrum



Frequency	MaxPeak	CAverag	Limit	Margin	Meas.	Bandwidt	Heigh	Pol	Azimut
(MHz)	(dBµV/m)	е	(dBµV/m	(dB)	Time	h	t		h
		(dBµV/m))		(ms)	(kHz)	(cm)		(deg)
7999.000000		51.76	54.00	2.24	5000.0	1000.000	150.0	٧	99.0
7965.250000		51.61	54.00	2.39	5000.0	1000.000	100.0	٧	152.0
7879.000000		51.48	54.00	2.52	5000.0	1000.000	150.0	٧	0.0
7815.250000		51.46	54.00	2.54	5000.0	1000.000	100.0	٧	44.0
14900.250000		51.23	54.00	2.77	5000.0	1000.000	100.0	Н	0.0
7981.750000	65.20		74.00	8.80	5000.0	1000.000	100.0	٧	98.0
7795.000000	65.20		74.00	8.80	5000.0	1000.000	150.0	٧	207.0
15177.500000	65.04		74.00	8.96	5000.0	1000.000	150.0	Н	1.0
7999.750000	64.96		74.00	9.04	5000.0	1000.000	150.0	٧	358.0
14821.750000	64.44		74.00	9.56	5000.0	1000.000	100.0	Н	153.0
15773.250000	64.30		74.00	9.70	5000.0	1000.000	150.0	Н	1.0
8000.00000		43.30	54.00	10.70	5000.0	1000.000	150.0	V	358.0



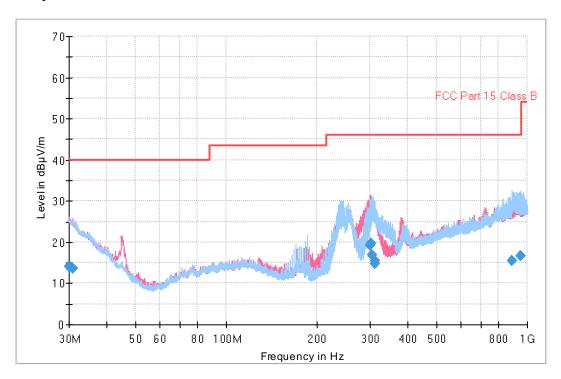
Operating mode(s):	2
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EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, Wi-Fi

Full Spectrum



Frequency	QuasiPeak	Limit	Margin	Meas. Time	Bandwidt	Height	Pol	Azimut	Corr
(MHz)	(dBµV/m)	(dBµV/m	(dB)	(ms)	h	(cm)		h	
)			(kHz)			(deg)	(dB/
30.270000	14.09	40.00	25.91	3000.0	120.000	191.0	Н	267.0	19.7
303.000000	19.62	46.00	26.38	3000.0	120.000	191.0	٧	105.0	12.9
30.930000	13.58	40.00	26.42	3000.0	120.000	107.0	٧	218.0	19.3
301.260000	19.21	46.00	26.79	3000.0	120.000	142.0	٧	297.0	12.8
304.740000	16.85	46.00	29.15	3000.0	120.000	138.0	Н	45.0	12.9
946.170000	16.75	46.00	29.25	3000.0	120.000	103.0	Н	248.0	23.2
885.450000	15.56	46.00	30.44	3000.0	120.000	103.0	Н	235.0	22.8
312.480000	15.48	46.00	30.52	3000.0	120.000	138.0	Н	45.0	13.1
312.390000	14.78	46.00	31.22	3000.0	120.000	138.0	Н	51.0	13.1
30.000000	13.99	69.50	55.51	3000.0	120.000	241.0	٧	284.0	19.9

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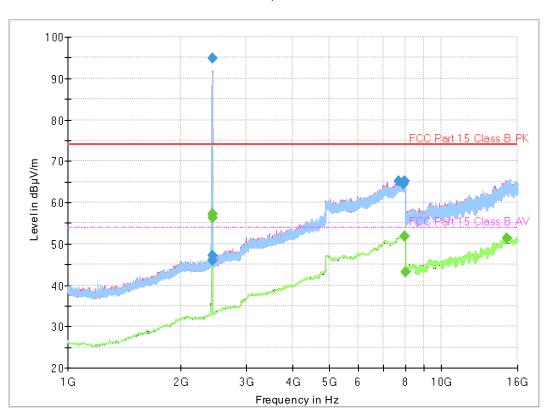


EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, Wi-Fi

Full Spectrum



Frequency	MaxPeak	CAverag	Limit	Margin	Bandwidt	Heigh	Pol	Azimut	Corr
(MHz)	(dBµV/m)	е	(dBµV/m	(dB)	h	t		h	
		(dBµV/m))		(kHz)	(cm)		(deg)	(dB/
2436.250000	94.86		74.00	-20.86	1000.000	100.0	٧	261.0	32.2
2437.750000		57.26	54.00	-3.26	1000.000	138.0	٧	209.0	32.2
2438.250000	-	57.10	54.00	-3.10	1000.000	138.0	٧	209.0	32.2
2439.750000		56.28	54.00	-2.28	1000.000	138.0	V	209.0	32.2
7998.500000		51.76	54.00	2.24	1000.000	138.0	Н	45.0	43.0
15001.250000		51.42	54.00	2.58	1000.000	100.0	٧	0.0	50.1
7999.000000	65.15		74.00	8.85	1000.000	100.0	Н	261.0	43.0
7701.750000	65.07		74.00	8.93	1000.000	104.0	٧	153.0	42.9
7938.500000	64.40		74.00	9.60	1000.000	104.0	V	2.0	42.9
8000.000000		43.14	54.00	10.86	1000.000	104.0	٧	315.0	43.0
2438.500000	47.08		74.00	26.92	1000.000	100.0	٧	261.0	32.2
2438.000000	46.00		74.00	28.00	1000.000	100.0	٧	261.0	32.2



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9.2.3 Test results according to ICES-003

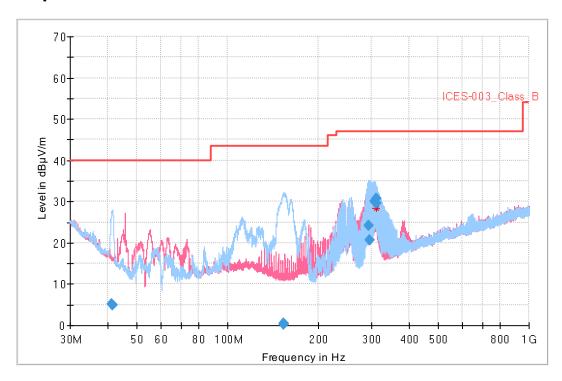
Operating mode(s):	
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EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, LTE

Full Spectrum



Frequency	QuasiPeak	Limit	Margin	Meas. Time	Bandwidt	Height	Pol	Azimut	Corr
(MHz)	(dBµV/m)	(dBµV/m	(dB)	(ms)	h	(cm)		h	
)			(kHz)			(deg)	(dB/
312.330000	30.66	47.00	16.34	3000.0	120.000	104.0	Н	3.0	13.1
307.470000	30.14	47.00	16.86	3000.0	120.000	103.0	Н	0.0	12.9
312.510000	29.58	47.00	17.42	3000.0	120.000	106.0	Н	0.0	13.1
294.600000	24.10	47.00	22.90	3000.0	120.000	104.0	Н	0.0	12.4
294.870000	20.60	47.00	26.40	3000.0	120.000	100.0	Н	0.0	12.4
41.190000	5.27	40.00	34.73	3000.0	120.000	100.0	Н	344.0	13.1
41.550000	4.92	40.00	35.08	3000.0	120.000	103.0	Н	344.0	12.9
153.600000	0.44	43.50	43.06	3000.0	120.000	106.0	Н	344.0	9.1
153.420000	0.42	43.50	43.08	3000.0	120.000	103.0	Н	344.0	9.1
153.720000	0.33	43.50	43.17	3000.0	120.000	104.0	Н	344.0	9.1

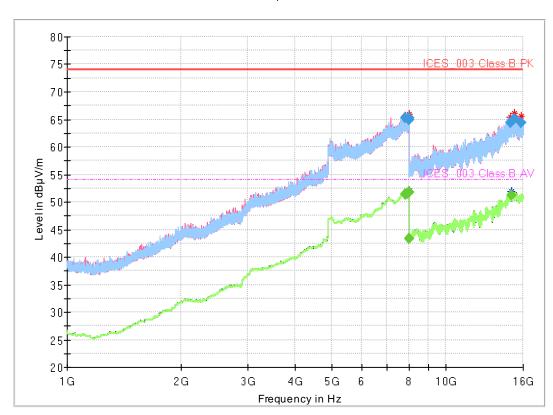
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EUT Information

EUT: NOTE-MBGLW Operating mode: Uin: 120V / 60 Hz, LTE

Full Spectrum



Frequency	MaxPeak	CAverag	Limit	Margin	Meas.	Bandwidt	Heigh	Pol	Azimut
(MHz)	(dBµV/m)	е	(dBµV/m	(dB)	Time	h	t		h
		(dBµV/m))		(ms)	(kHz)	(cm)		(deg)
7999.000000		51.76	54.00	2.24	5000.0	1000.000	150.0	٧	99.0
7965.250000		51.61	54.00	2.39	5000.0	1000.000	100.0	٧	152.0
7879.000000		51.48	54.00	2.52	5000.0	1000.000	150.0	٧	0.0
7815.250000		51.46	54.00	2.54	5000.0	1000.000	100.0	٧	44.0
14900.250000		51.23	54.00	2.77	5000.0	1000.000	100.0	Н	0.0
7981.750000	65.20		74.00	8.80	5000.0	1000.000	100.0	٧	98.0
7795.000000	65.20		74.00	8.80	5000.0	1000.000	150.0	٧	207.0
15177.500000	65.04		74.00	8.96	5000.0	1000.000	150.0	Н	1.0
7999.750000	64.96		74.00	9.04	5000.0	1000.000	150.0	٧	358.0
14821.750000	64.44	-	74.00	9.56	5000.0	1000.000	100.0	Н	153.0
15773.250000	64.30		74.00	9.70	5000.0	1000.000	150.0	Н	1.0
8000.000000		43.30	54.00	10.70	5000.0	1000.000	150.0	V	358.0





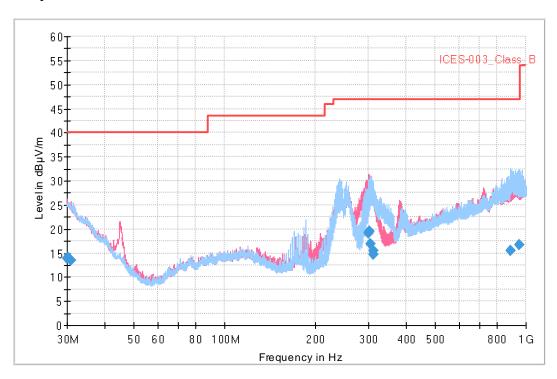
Operating mode(s): 2

EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, Wi-Fi

Full Spectrum



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Fre	equency	QuasiPeak	Limit	Margin	Meas. Time	Bandwidt	Height	Pol	Azimut	Corr
((MHz)	(dBµV/m)	(dBµV/m	(dB)	(ms)	h	(cm)		h	
)			(kHz)			(deg)	(dB/
3	0.270000	14.09	40.00	25.91	3000.0	120.000	191.0	Н	267.0	19.7
3	0.000000	13.99	40.00	26.01	3000.0	120.000	241.0	٧	284.0	19.9
3	0.930000	13.58	40.00	26.42	3000.0	120.000	107.0	٧	218.0	19.3
30	3.000000	19.62	47.00	27.38	3000.0	120.000	191.0	٧	105.0	12.9
30	1.260000	19.21	47.00	27.79	3000.0	120.000	142.0	٧	297.0	12.8
30	4.740000	16.85	47.00	30.15	3000.0	120.000	138.0	Н	45.0	12.9
94	6.170000	16.75	47.00	30.25	3000.0	120.000	103.0	Н	248.0	23.2
88	5.450000	15.56	47.00	31.44	3000.0	120.000	103.0	Н	235.0	22.8
31	2.480000	15.48	47.00	31.52	3000.0	120.000	138.0	Н	45.0	13.1
31	2.390000	14.78	47.00	32.22	3000.0	120.000	138.0	Н	51.0	13.1

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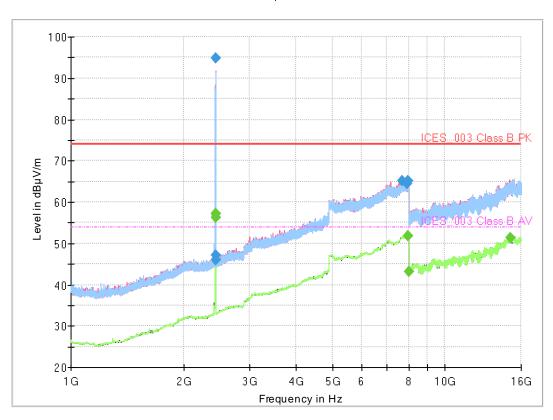


EUT Information

EUT: NOTE-MBGLW

Operating mode: Uin: 120V / 60 Hz, Wi-Fi

Full Spectrum



Frequency	MaxPeak	CAverag	Limit	Margin	Bandwidt	Heigh	Pol	Azimut	Corr
(MHz)	(dBµV/m)	е	(dBµV/m	(dB)	h	t		h	
, ,		(dBµV/m))	, ,	(kHz)	(cm)		(deg)	(dB/
2436.250000	94.86		74.00	-20.86	1000.000	100.0	٧	261.0	32.2
2437.750000	-	57.26	54.00	-3.26	1000.000	138.0	٧	209.0	32.2
2438.250000		57.10	54.00	-3.10	1000.000	138.0	V	209.0	32.2
2439.750000		56.28	54.00	-2.28	1000.000	138.0	٧	209.0	32.2
7998.500000		51.76	54.00	2.24	1000.000	138.0	Н	45.0	43.0
15001.250000		51.42	54.00	2.58	1000.000	100.0	٧	0.0	50.1
7999.000000	65.15		74.00	8.85	1000.000	100.0	Н	261.0	43.0
7701.750000	65.07		74.00	8.93	1000.000	104.0	٧	153.0	42.9
7938.500000	64.40		74.00	9.60	1000.000	104.0	٧	2.0	42.9
8000.000000	-	43.14	54.00	10.86	1000.000	104.0	٧	315.0	43.0
2438.500000	47.08		74.00	26.92	1000.000	100.0	٧	261.0	32.2
2438.000000	46.00		74.00	28.00	1000.000	100.0	٧	261.0	32.2



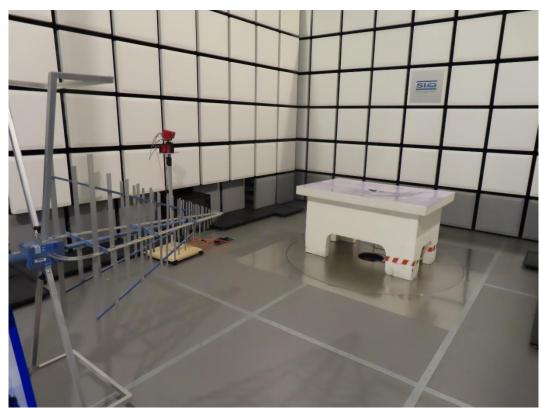


Figure 2: Test setup for radiated emission measurement – up to 1 GHz

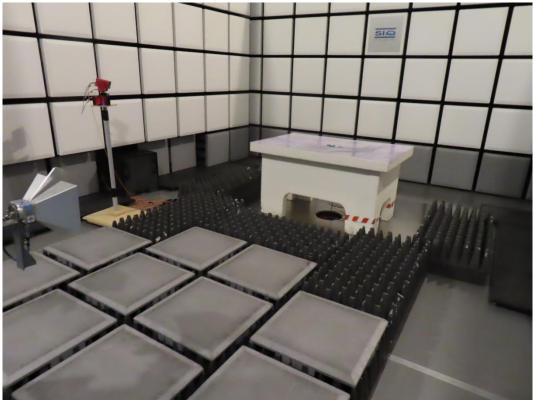


Figure 3: Test setup for radiated emission measurement – over 1 GHz

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10. Used test equipment

9.1 Conducted emission measurement

Equipment	Manufacturer	Туре	Equipment Number	Calibration date	Due date
EMI test receiver	Rohde-Schwarz	ESW44	EM0291	2024-09	2026-03
Artificial main network	Rohde-Schwarz	ENV216	EM0009	2022-06	2025-06

9.2 Radiated emission measurement

Equipment	Equipment Manufacturer		Equipment Number	Calibration date	Due date
EMI test receiver	Rohde-Schwarz	ESW44	EM0291	2024-11	2026-05
Semi Anechoic Chamber SAC 1	Comtest Engineering	SAC 3m	EM0145	2025-03	2028-03
Ultra Broadband Antenna	Rohde-Schwarz	HL562E	EM0140	2023-07	2025-07
Horn Antenna Rohde-Schwarz		HF907	EM0141	2023-06	2025-06
Horn Antenna	Horn Antenna EMCO		EM0179	2024-11	2027-11
Turn table (2 m diameter)	Maturo	TT 2.0 SI	/	N/A	N/A
Bore-sight Maturo		BAM-4.0-P	1	N/A	N/A
Multi-channel positioning Maturo equipment		Maturo NCD	/	N/A	N/A

END OF	EST REPORT