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LP-009

Test report

Number **T251-0935/25**

Project file: C20252051
Date: 2025-12-15
Pages: 29

Product: **Notecard**

Type reference: **NOTE-NBGLWX**

Ratings: 5 V d.c.

Trademark: Blues Inc.

Applicant: **Blues Inc.**
50 Harbor Street, Manchester, MA 01944, USA

Manufacturer: Blues Inc.
50 Harbor Street, Manchester, MA 01944, USA

Place of manufacture: Blues Inc.
50 Harbor Street, Manchester, MA 01944, USA

Summary of testing

Testing method: 47 CFR Part 15, Subpart B last amended 2025-09-17 excluding clause 15.105, in conjunction with ANSI C63.4:2014
ICES-003, issue 7 excluding clause 4.2 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: 2025-09-04
Number of items tested: 1
Date of performance of tests: 2025-10-02 – 2025-10-13
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.

Device is class B equipment.

Tested by: Aljaž Bajec

Approved by: Marjan Mak

SIQ Ljubljana, Mašera-Spasićeva ulica 10, SI-1000 Ljubljana, Slovenia
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Contents Page

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:**
2025-12-15	T251-0935/25	Initial Test Report issued.	--

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.

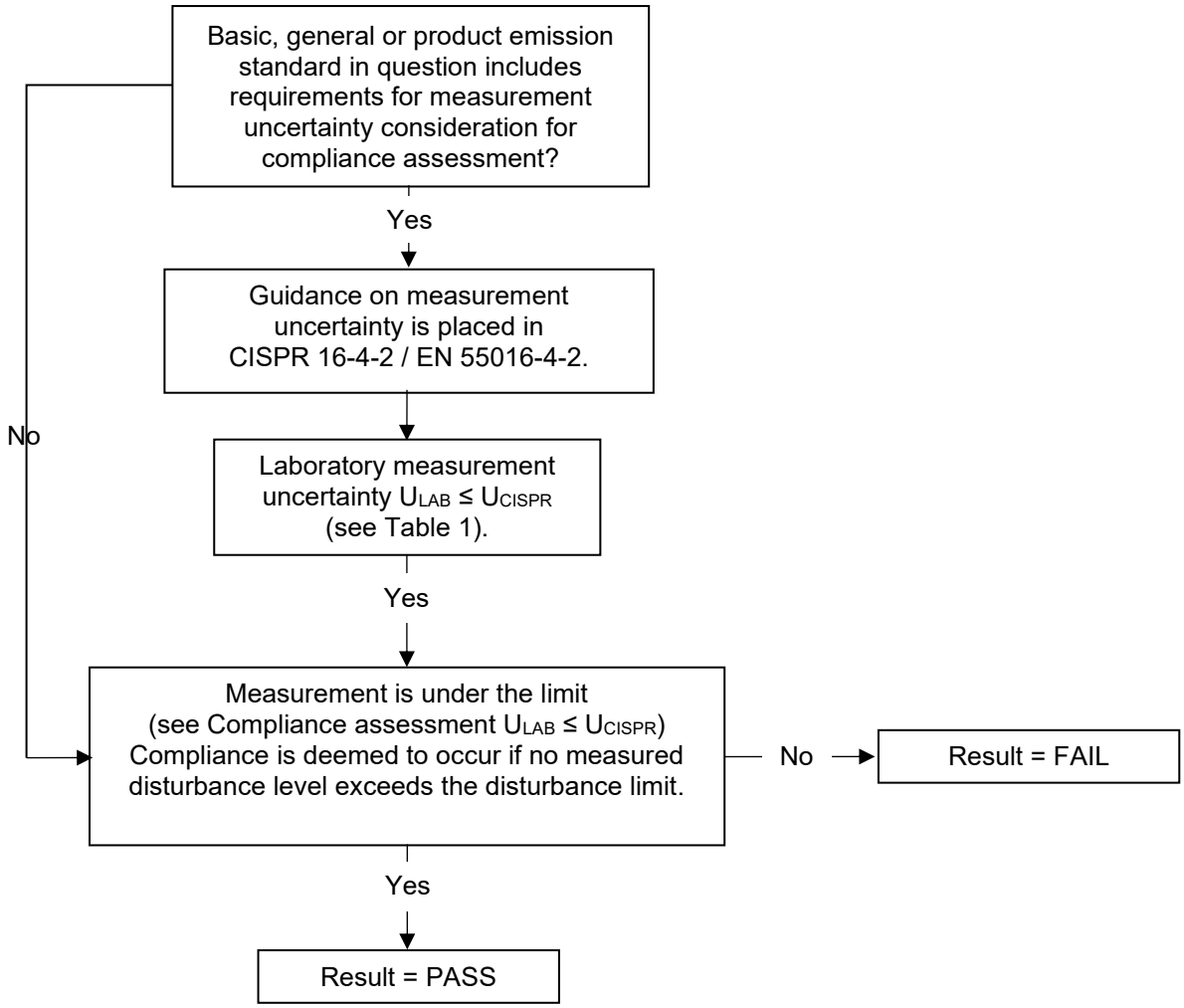
Measurement / test method	**U_{LAB}**	**U_{CISPR}**
Conducted emission measurement (150 kHz to 30 MHz)	2,7 dB	3,4 dB
Radiated emission measurement (electric field strength at an OATS or in a SAC) - (30 MHz to 1000 MHz)	5,3 dB	6,3 dB
Radiated disturbance (electric field strength in a FAR) – (1-6 GHz)	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:



4. Product specific data

General description of test item: The device is a data-pump to be built into other Devices. It features LTE, WiFi and S-band NTN connectivity.

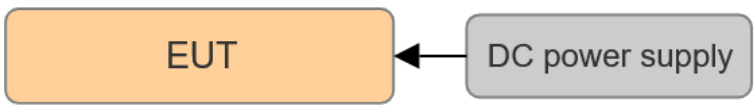
Product key: NOTE-MBNAW contains Quectel BG95-S5 LTE & NTN module and SiLabs WFM200S Wi-Fi module.

Power supply type:	DC		
Contains FCC ID:	**BG 95S5:** XMR202406BG95S5 **WFM200S:** QOQWFM200		
Contains IC number:	**BG 95S5:** 10224A-02406BG95S5 **WFM200S:** 5123A-WFM200		
Hardware version:	2.6		
Firmware/software version:	7		
Mounting position:	☒	Table-top equipment:	
	☐	Floor-standing equipment:	
	☐	Wall/ceiling mounted equipment:	
	☐	Hand-held equipment:	
	☐	Other:	
Highest Internal Operating Frequencies:	Name:	Frequency:	
	WFM200M	2,4 GHz	
	BG 95S5	2,1 GHz	

Port(s):

Port No.	Name	Type	Cable Length / m	Cable Shielded
0	Enclosure	N/E	/	/
1	V+	DC	1,5	yes
2	GND	GND	1,5	yes
Note:	AC = AC mains power port DC = DC network power port / input d.c. power port I/O = Signal/control port WNP = wired network port GND = grounding N/E = Non-Electrical			

Configuration diagram:



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. /

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

Clause	Requirement	Result - Remark	N/P
§ 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.	N/P

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:

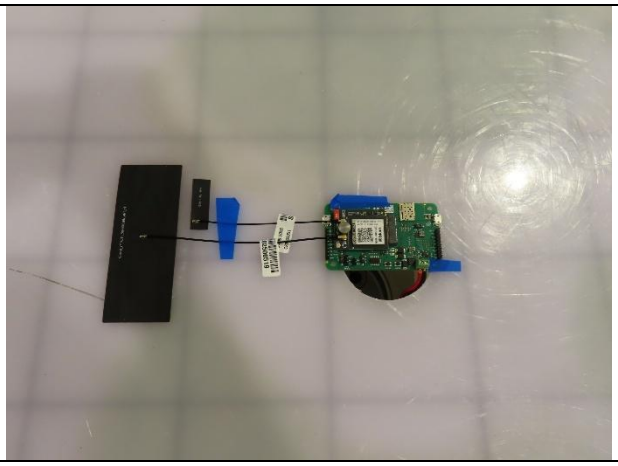
Clause	Requirement	Result - Remark	Verdict
4.2	**Labelling and user manual requirements**		
	ISED compliance label specified below shall be placed on the marking plate or manual: CAN ICES-003(*) / NMB-003(*) * Insert either “A” or “B”, but not both, to identify the applicable Class of the device used for compliance verification.	/	N/P

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

5. Equipment under test (EUT)

Product Type	Device	Manufacturer	Model No.	Comments
EUT	NOTE-NBGLWX	Blues Inc.	862063070057158	/
Note:	EUT = Equipment Under Test AE = Associated Equipment			

Pictures of EUT:



Operating conditions:

Clause	Test	Connection type	Operating conditions
9.1	Conducted emission measurement	DC	/
9.2	Radiated emission measurement	DC	5 V d.c.

Operating modes:

No.	Operating mode
1	Working, LTE connected
2	Working, NTN connected
3	Working, WIFI connected

Tested sample:

Sample number	Used for measurement
S202506521	Mark all measurements

6. Testing summary section

STANDARDS (details on first page)	PERFORMED[1)]	CONCLUSION[1)]
47 CFR Part 15, Subpart B	YES	P
ICES-003	YES	P
[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 standard**	**Clause within the report**	**Class**	**Conclusion**
Conducted emission measurement	Clause 15.107 of 47 CFR Part 15	9.1	/	N/A
Radiated emission measurement	Clause 15.109 of 47 CFR Part 15	9.2	B	P

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 standard**	**Clause within the report**	**Class**	**Conclusion**
Conducted emission measurement	Clause 3.2.1 of ICES-003	9.1	/	N/A
Radiated emission measurement	Clause 3.2.2 of ICES-003	9.2	B	P

NOTE: no non-standard test method used

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 (MHz)	Limits (dBµV)	
	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 (MHz)	Limits (dBµV)	
	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)
$F_X \leq$ 108 MHz	1 GHz
108 MHz < $F_X \leq$ 500 MHz	2 GHz
500 MHz < $F_X \leq$ 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	Quasi Peak
88 to 216	43.5	
216 to 960	46	
960 to 1000	54	
above 1000	54	Average
above 1000	74	Peak

CLASS A limits:

Frequency Range (MHz)	Limits (dBµV/m) 10 m distance	
30 to 88	39.1	Quasi Peak
88 to 216	43.5	
216 to 960	46.4	
960 to 1000	49.5	
above 1000	49.5	Average
above 1000	69.5	Peak

8.2.3 Limits according to ICES-003

Frequency range 30 MHz – 1 GHz:

Frequency Range (MHz)	Class A		Class B	
	3 m distance Quasi-peak (dBµV/m)	10 m distance Quasi-peak (dBµV/m)	3 m distance Quasi-peak (dBµV/m)	10 m distance Quasi-peak (dBµV/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)	Class 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

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 μH + 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 μH + 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.

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

The test is not applicable due to the device being powered directly from a DC source, such as a battery.

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.

Note: Frequencies from RF transmitters and their bands are not to be evaluated and should be excluded.

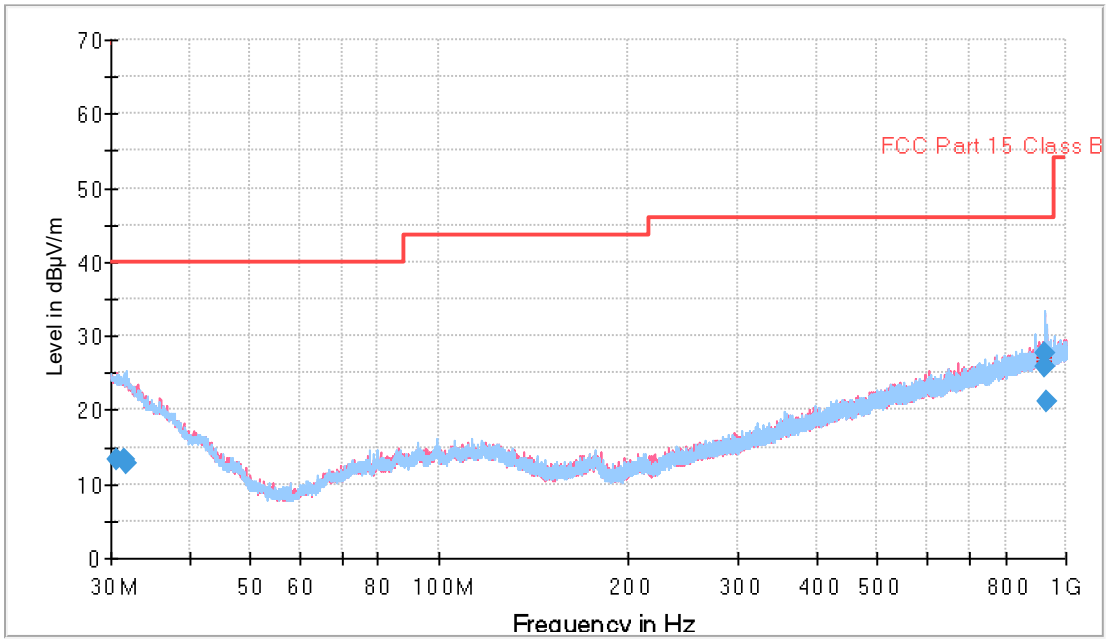
9.2.2 Test results according to 47 CFR Part 15.109

Operating mode(s):	1

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, LTE

Full Spectrum

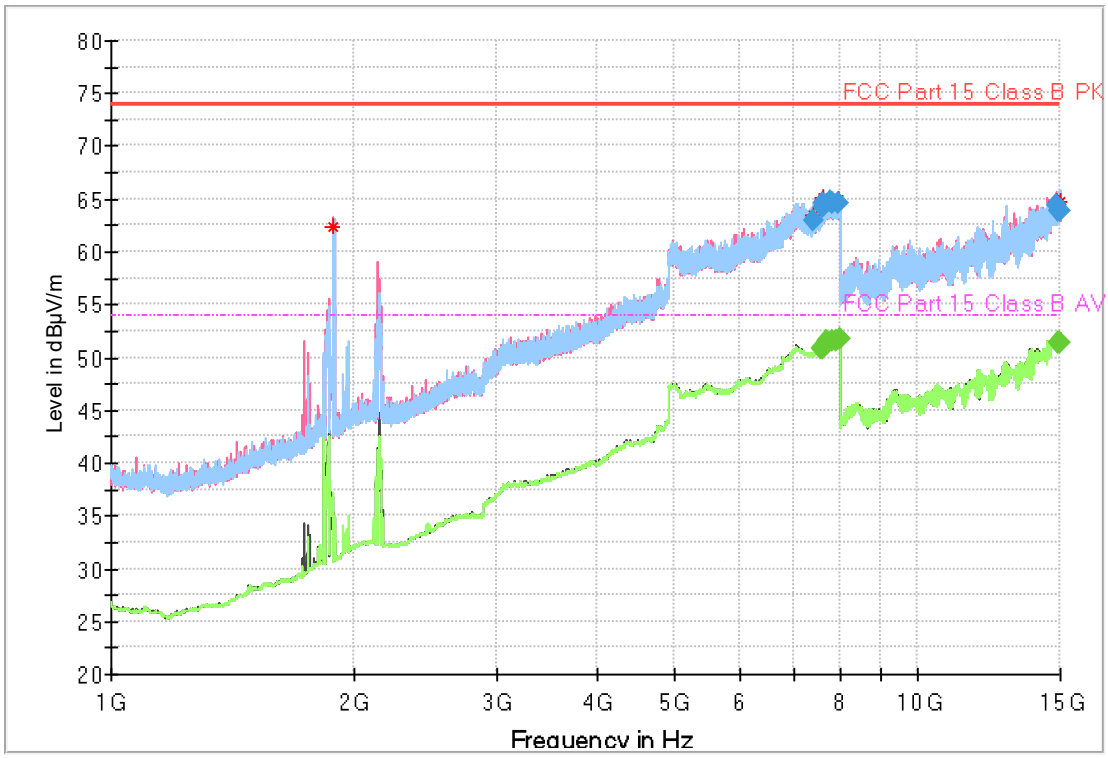


Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
925.260000	27.67	46.00	18.33	15000.0	120.000	141.0	H	225.0	23.2
925.170000	25.91	46.00	20.09	15000.0	120.000	138.0	H	76.0	23.2
928.410000	21.18	46.00	24.82	15000.0	120.000	106.0	H	134.0	23.2
30.660000	13.29	40.00	26.71	15000.0	120.000	105.0	V	346.0	19.5
31.440000	13.21	40.00	26.79	15000.0	120.000	100.0	H	221.0	19.1
31.710000	12.91	40.00	27.09	15000.0	120.000	100.0	H	171.0	18.9

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, LTE



Final_Result

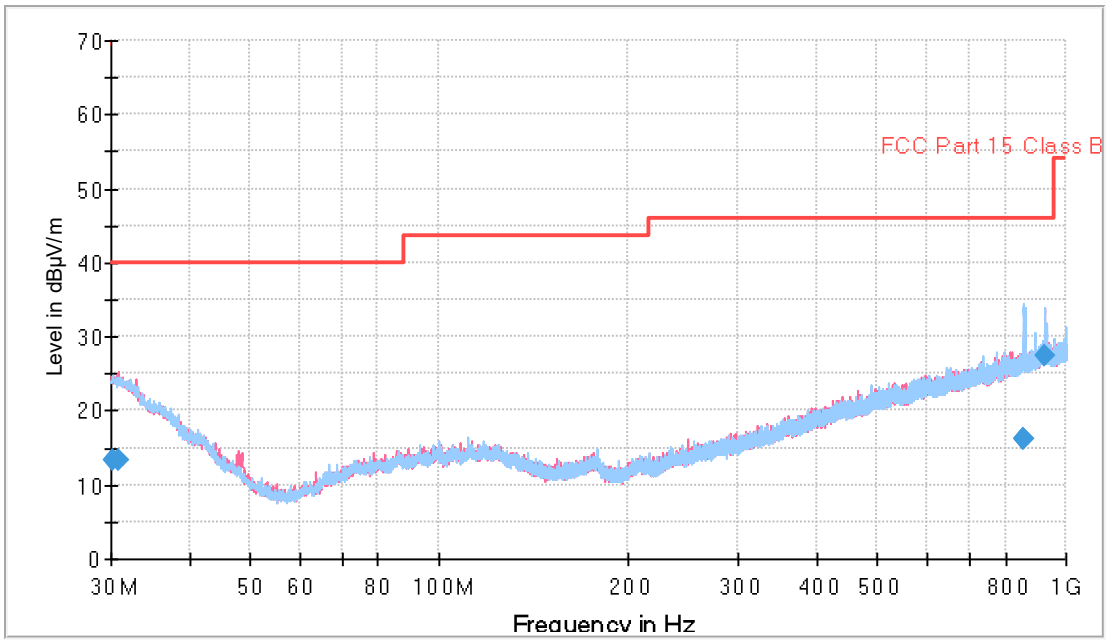
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7997.000000	---	54.00	2.20	1000.0	1000.000	138.0	V	293.0	43.0
7722.250000	---	54.00	2.50	1000.0	1000.000	138.0	V	0.0	43.0
7914.500000	---	54.00	2.50	1000.0	1000.000	138.0	V	0.0	42.9
7821.000000	---	54.00	2.50	1000.0	1000.000	138.0	H	263.0	43.0
14960.250000	---	54.00	2.53	1000.0	1000.000	105.0	H	161.0	50.1
14946.500000	---	54.00	2.56	1000.0	1000.000	144.0	V	162.0	50.2
14940.250000	---	54.00	2.57	1000.0	1000.000	138.0	H	263.0	50.1
7608.500000	---	54.00	3.13	1000.0	1000.000	158.0	V	358.0	42.7
7601.750000	---	54.00	3.15	1000.0	1000.000	142.0	H	131.0	42.7
7594.250000	---	54.00	3.20	1000.0	1000.000	138.0	H	131.0	42.6
7800.500000	64.79	74.00	9.21	1000.0	1000.000	100.0	V	262.0	43.0
7601.500000	64.65	74.00	9.35	1000.0	1000.000	142.0	V	0.0	42.7
7979.500000	64.63	74.00	9.37	1000.0	1000.000	138.0	V	31.0	43.0
7821.000000	64.50	74.00	9.50	1000.0	1000.000	155.0	H	263.0	43.0
14827.000000	64.46	74.00	9.54	1000.0	1000.000	138.0	V	293.0	49.7
7616.250000	64.19	74.00	9.81	1000.0	1000.000	145.0	H	164.0	42.7
14946.750000	63.87	74.00	10.13	1000.0	1000.000	143.0	V	162.0	50.2
14960.250000	63.79	74.00	10.21	1000.0	1000.000	100.0	H	161.0	50.1
7429.000000	62.87	74.00	11.13	1000.0	1000.000	162.0	H	97.0	42.1

Operating mode(s):	2

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, NTN

Full Spectrum

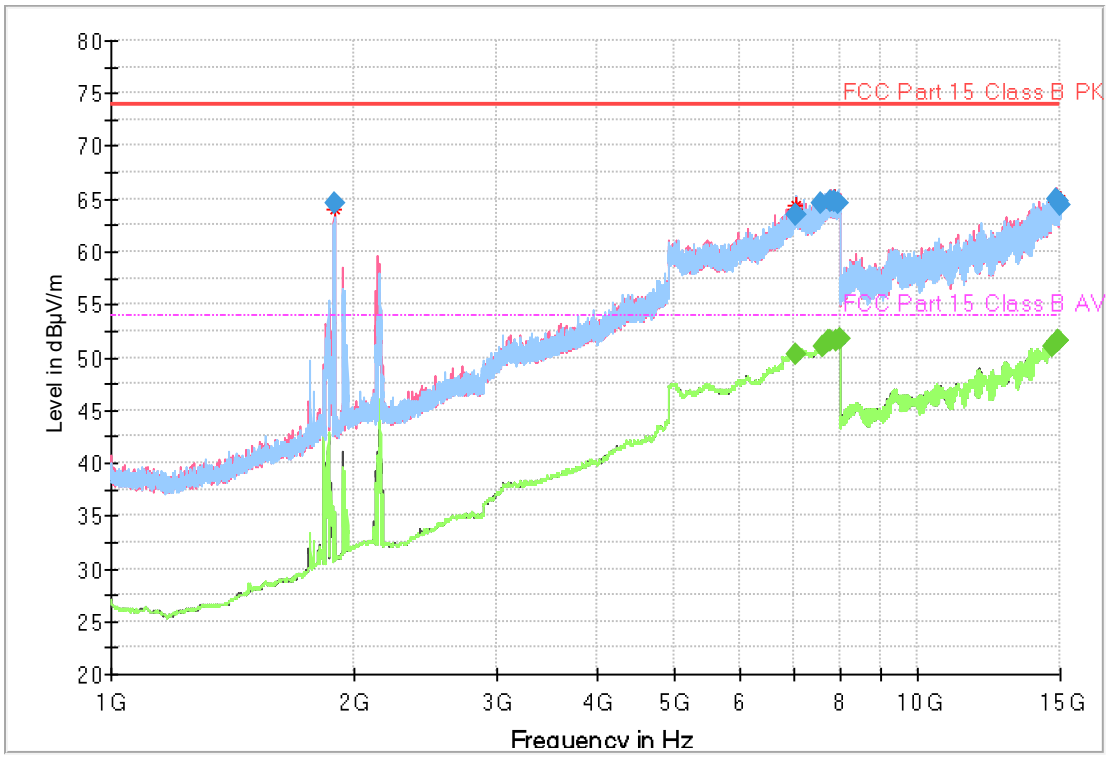


Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
925.140000	27.49	46.00	18.51	15000.0	120.000	142.0	H	194.0	23.2
30.150000	13.41	40.00	26.59	15000.0	120.000	100.0	V	1.0	19.8
30.780000	13.37	40.00	26.63	15000.0	120.000	138.0	V	39.0	19.4
857.370000	16.24	46.00	29.76	15000.0	120.000	142.0	H	1.0	22.5
857.670000	16.22	46.00	29.78	15000.0	120.000	141.0	H	1.0	22.5
857.550000	16.17	46.00	29.83	15000.0	120.000	138.0	H	1.0	22.5

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, NTN



Final_Result

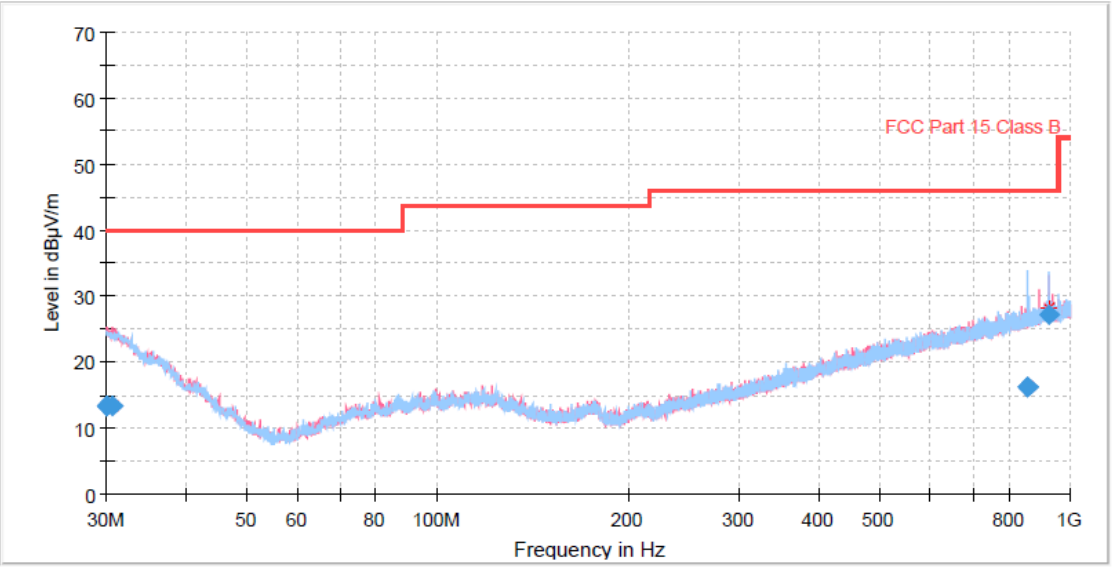
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7999.750000	---	54.00	2.21	1000.0	1000.000	100.0	V	1.0	43.0
14900.250000	---	54.00	2.35	1000.0	1000.000	103.0	V	260.0	50.1
7750.250000	---	54.00	2.38	1000.0	1000.000	100.0	H	165.0	43.0
14906.500000	---	54.00	2.43	1000.0	1000.000	105.0	H	66.0	50.1
7782.750000	---	54.00	2.47	1000.0	1000.000	162.0	H	192.0	43.0
7926.000000	---	54.00	2.51	1000.0	1000.000	100.0	H	66.0	42.9
14940.250000	---	54.00	2.53	1000.0	1000.000	100.0	H	359.0	50.1
14634.500000	---	54.00	2.93	1000.0	1000.000	100.0	H	198.0	49.7
7621.000000	---	54.00	3.07	1000.0	1000.000	162.0	V	300.0	42.7
7071.000000	---	54.00	3.78	1000.0	1000.000	142.0	H	0.0	41.8
14840.500000	64.89	74.00	9.11	1000.0	1000.000	108.0	V	1.0	49.8
7867.750000	64.82	74.00	9.18	1000.0	1000.000	103.0	V	1.0	42.9
7784.500000	64.76	74.00	9.24	1000.0	1000.000	104.0	V	162.0	43.0
14906.500000	64.74	74.00	9.26	1000.0	1000.000	103.0	H	66.0	50.1
7944.750000	64.67	74.00	9.33	1000.0	1000.000	103.0	H	359.0	42.9
1888.500000	64.62	74.00	9.38	1000.0	1000.000	156.0	V	300.0	30.1
7600.250000	64.58	74.00	9.42	1000.0	1000.000	138.0	V	34.0	42.7
14999.250000	64.40	74.00	9.60	1000.0	1000.000	106.0	H	0.0	50.1
7071.250000	63.55	74.00	10.45	1000.0	1000.000	138.0	H	0.0	41.8
7059.750000	63.53	74.00	10.47	1000.0	1000.000	154.0	V	0.0	41.7

Operating mode(s):	3

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, WiFi test

Full Spectrum

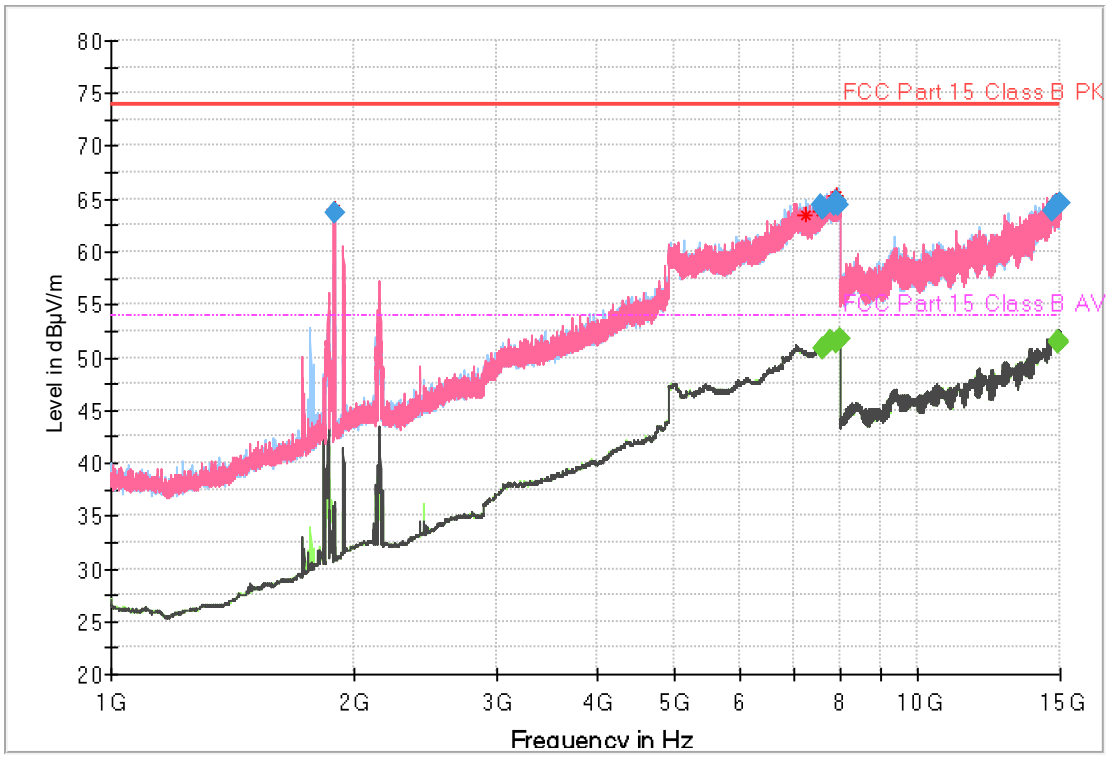


Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
925.260000	27.14	46.00	18.86	5000.0	120.000	143.0	H	339.0	23.2
30.030000	13.35	40.00	26.65	5000.0	120.000	141.0	V	3.0	19.8
30.090000	13.34	40.00	26.66	5000.0	120.000	100.0	V	66.0	19.8
30.690000	13.26	40.00	26.74	5000.0	120.000	100.0	V	336.0	19.5
856.710000	16.15	46.00	29.85	5000.0	120.000	100.0	H	37.0	22.5
856.560000	16.13	46.00	29.87	5000.0	120.000	100.0	H	37.0	22.5

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, WiFi



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/
7998.750000	---	54.00	2.26	1000.0	1000.000	100.0	H	294.0	43.0
14881.000000	---	54.00	2.40	1000.0	1000.000	100.0	V	99.0	49.9
7778.250000	---	54.00	2.49	1000.0	1000.000	100.0	V	0.0	43.0
7787.500000	---	54.00	2.50	1000.0	1000.000	100.0	H	294.0	43.0
14924.750000	---	54.00	2.54	1000.0	1000.000	100.0	H	1.0	50.1
7912.500000	---	54.00	2.55	1000.0	1000.000	100.0	H	163.0	42.9
14940.250000	---	54.00	2.56	1000.0	1000.000	100.0	V	229.0	50.1
7613.750000	---	54.00	3.11	1000.0	1000.000	100.0	H	1.0	42.7
7613.000000	---	54.00	3.14	1000.0	1000.000	100.0	V	229.0	42.7
7610.000000	---	54.00	3.16	1000.0	1000.000	100.0	H	228.0	42.7
7912.250000	64.70	74.00	9.30	1000.0	1000.000	106.0	H	163.0	42.9
14960.250000	64.63	74.00	9.37	1000.0	1000.000	106.0	H	0.0	50.1
7597.000000	64.48	74.00	9.52	1000.0	1000.000	106.0	H	0.0	42.6
7974.000000	64.42	74.00	9.58	1000.0	1000.000	106.0	H	97.0	42.9
7865.750000	64.41	74.00	9.59	1000.0	1000.000	106.0	V	132.0	42.9
14851.500000	64.35	74.00	9.65	1000.0	1000.000	106.0	V	295.0	49.8
7613.750000	63.99	74.00	10.01	1000.0	1000.000	106.0	H	0.0	42.7
14657.250000	63.80	74.00	10.20	1000.0	1000.000	100.0	V	99.0	49.7
1888.500000	63.72	74.00	10.28	1000.0	1000.000	106.0	V	0.0	30.1

9.2.3 Test results according to ICES-003

Operating mode(s):	1

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, LTE

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
925.260000	27.67	47.00	19.33	15000.0	120.000	141.0	H	225.0	23.2
925.170000	25.91	47.00	21.09	15000.0	120.000	138.0	H	76.0	23.2
928.410000	21.18	47.00	25.82	15000.0	120.000	106.0	H	134.0	23.2
30.660000	13.29	40.00	26.71	15000.0	120.000	105.0	V	346.0	19.5
31.440000	13.21	40.00	26.79	15000.0	120.000	100.0	H	221.0	19.1
31.710000	12.91	40.00	27.09	15000.0	120.000	100.0	H	171.0	18.9

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7997.000000	---	54.00	2.20	1000.0	1000.000	138.0	V	293.0	43.0
7722.250000	---	54.00	2.50	1000.0	1000.000	138.0	V	0.0	43.0
7914.500000	---	54.00	2.50	1000.0	1000.000	138.0	V	0.0	42.9
7821.000000	---	54.00	2.50	1000.0	1000.000	138.0	H	263.0	43.0
14960.250000	---	54.00	2.53	1000.0	1000.000	105.0	H	161.0	50.1
14946.500000	---	54.00	2.56	1000.0	1000.000	144.0	V	162.0	50.2
14940.250000	---	54.00	2.57	1000.0	1000.000	138.0	H	263.0	50.1
7608.500000	---	54.00	3.13	1000.0	1000.000	158.0	V	358.0	42.7
7601.750000	---	54.00	3.15	1000.0	1000.000	142.0	H	131.0	42.7
7594.250000	---	54.00	3.20	1000.0	1000.000	138.0	H	131.0	42.6
7800.500000	64.79	74.00	9.21	1000.0	1000.000	100.0	V	262.0	43.0
7601.500000	64.65	74.00	9.35	1000.0	1000.000	142.0	V	0.0	42.7
7979.500000	64.63	74.00	9.37	1000.0	1000.000	138.0	V	31.0	43.0
7821.000000	64.50	74.00	9.50	1000.0	1000.000	155.0	H	263.0	43.0
14827.000000	64.46	74.00	9.54	1000.0	1000.000	138.0	V	293.0	49.7
7616.250000	64.19	74.00	9.81	1000.0	1000.000	145.0	H	164.0	42.7
14946.750000	63.87	74.00	10.13	1000.0	1000.000	143.0	V	162.0	50.2
14960.250000	63.79	74.00	10.21	1000.0	1000.000	100.0	H	161.0	50.1
7429.000000	62.87	74.00	11.13	1000.0	1000.000	162.0	H	97.0	42.1

Operating mode(s):	2

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, NTN

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
925.140000	27.49	47.00	19.51	15000.0	120.000	142.0	H	194.0	23.2
30.150000	13.41	40.00	26.59	15000.0	120.000	100.0	V	1.0	19.8
30.780000	13.37	40.00	26.63	15000.0	120.000	138.0	V	39.0	19.4
857.370000	16.24	47.00	30.76	15000.0	120.000	142.0	H	1.0	22.5
857.670000	16.22	47.00	30.78	15000.0	120.000	141.0	H	1.0	22.5
857.550000	16.17	47.00	30.83	15000.0	120.000	138.0	H	1.0	22.5

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7999.750000	---	54.00	2.21	1000.0	1000.000	100.0	V	1.0	43.0
14900.250000	---	54.00	2.35	1000.0	1000.000	103.0	V	260.0	50.1
7750.250000	---	54.00	2.38	1000.0	1000.000	100.0	H	165.0	43.0
14906.500000	---	54.00	2.43	1000.0	1000.000	105.0	H	66.0	50.1
7782.750000	---	54.00	2.47	1000.0	1000.000	162.0	H	192.0	43.0
7926.000000	---	54.00	2.51	1000.0	1000.000	100.0	H	66.0	42.9
14940.250000	---	54.00	2.53	1000.0	1000.000	100.0	H	359.0	50.1
14634.500000	---	54.00	2.93	1000.0	1000.000	100.0	H	198.0	49.7
7621.000000	---	54.00	3.07	1000.0	1000.000	162.0	V	300.0	42.7
7071.000000	---	54.00	3.78	1000.0	1000.000	142.0	H	0.0	41.8
14840.500000	64.89	74.00	9.11	1000.0	1000.000	108.0	V	1.0	49.8
7867.750000	64.82	74.00	9.18	1000.0	1000.000	103.0	V	1.0	42.9
7784.500000	64.76	74.00	9.24	1000.0	1000.000	104.0	V	162.0	43.0
14906.500000	64.74	74.00	9.26	1000.0	1000.000	103.0	H	66.0	50.1
7944.750000	64.67	74.00	9.33	1000.0	1000.000	103.0	H	359.0	42.9
1888.500000	64.62	74.00	9.38	1000.0	1000.000	156.0	V	300.0	30.1
7600.250000	64.58	74.00	9.42	1000.0	1000.000	138.0	V	34.0	42.7
14999.250000	64.40	74.00	9.60	1000.0	1000.000	106.0	H	0.0	50.1
7071.250000	63.55	74.00	10.45	1000.0	1000.000	138.0	H	0.0	41.8
7059.750000	63.53	74.00	10.47	1000.0	1000.000	154.0	V	0.0	41.7

Operating mode(s):	3

EUT Information

EUT: NOTE-NBGLWX
Operating mode: 5Vdc, WIFI

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
925.260000	27.14	47.00	19.86	5000.0	120.000	143.0	H	339.0	23.2
30.030000	13.35	40.00	26.65	5000.0	120.000	141.0	V	3.0	19.8
30.090000	13.34	40.00	26.66	5000.0	120.000	100.0	V	66.0	19.8
30.690000	13.26	40.00	26.74	5000.0	120.000	100.0	V	336.0	19.5
856.710000	16.15	47.00	30.85	5000.0	120.000	100.0	H	37.0	22.5
856.560000	16.13	47.00	30.87	5000.0	120.000	100.0	H	37.0	22.5

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/
7998.750000	---	54.00	2.26	1000.0	1000.000	100.0	H	294.0	43.0
14881.000000	---	54.00	2.40	1000.0	1000.000	100.0	V	99.0	49.9
7778.250000	---	54.00	2.49	1000.0	1000.000	100.0	V	0.0	43.0
7787.500000	---	54.00	2.50	1000.0	1000.000	100.0	H	294.0	43.0
14924.750000	---	54.00	2.54	1000.0	1000.000	100.0	H	1.0	50.1
7912.500000	---	54.00	2.55	1000.0	1000.000	100.0	H	163.0	42.9
14940.250000	---	54.00	2.56	1000.0	1000.000	100.0	V	229.0	50.1
7613.750000	---	54.00	3.11	1000.0	1000.000	100.0	H	1.0	42.7
7613.000000	---	54.00	3.14	1000.0	1000.000	100.0	V	229.0	42.7
7610.000000	---	54.00	3.16	1000.0	1000.000	100.0	H	228.0	42.7
7912.250000	64.70	74.00	9.30	1000.0	1000.000	106.0	H	163.0	42.9
14960.250000	64.63	74.00	9.37	1000.0	1000.000	106.0	H	0.0	50.1
7597.000000	64.48	74.00	9.52	1000.0	1000.000	106.0	H	0.0	42.6
7974.000000	64.42	74.00	9.58	1000.0	1000.000	106.0	H	97.0	42.9
7865.750000	64.41	74.00	9.59	1000.0	1000.000	106.0	V	132.0	42.9
14851.500000	64.35	74.00	9.65	1000.0	1000.000	106.0	V	295.0	49.8
7613.750000	63.99	74.00	10.01	1000.0	1000.000	106.0	H	0.0	42.7
14657.250000	63.80	74.00	10.20	1000.0	1000.000	100.0	V	99.0	49.7
1888.500000	63.72	74.00	10.28	1000.0	1000.000	106.0	V	0.0	30.1

Figure 1: Test setup for radiated emission measurement below 1 GHz

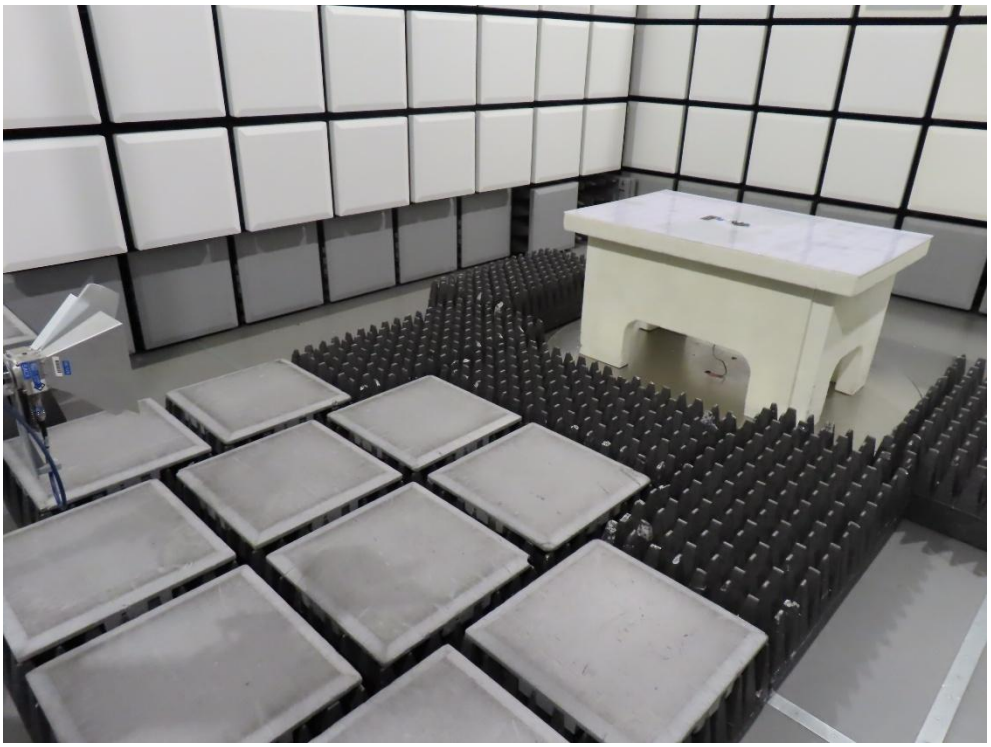


Figure 2: Test setup for radiated emission measurement above 1 GHz

9.2.4 3m to 10 m calculation

Class A equipment 3 m to 10 m conversion in frequency range up to 1 GHz.	PERFORMED	CONCLUSION
	NO	N/A

10. Used test equipment

9.2 Radiated emission measurement

Equipment	Manufacturer	Type	Equipment Number	Calibration date	Due date
Horn antenna (SAC2)	R&S	HF907	EM0129	2023-08-22	2026-08-22
Ultra Broadband Antenna (SAC2)	R&S	HL562E	EM0130	2023-09-26	2026-09-26
EMI test receiver	R&S	ESW 44	EM0291	2024-09-26	2026-03-26
SAC 2	Comtest Engineering	SAC 3m	EM0146	2025-03-27	2028-03-27
Turn table (2 m diameter)	Maturo	TT 2.0 SI	/	N/A	N/A
Bore-sight antenna mast	Maturo	BAM-4.0-P	/	N/A	N/A
Multi-channel positioning equipment	Maturo	Maturo NCD	/	N/A	N/A

----------END OF TEST REPORT----------