



Test report No: 23B0665R-0E3012110014-A

FCC TEST REPORT

Compliance with Canada Interference-Causing Equipment Standard ICES-003

Product Name	Intel Wi-Fi 7 BE201
Trademark	Intel
Model and /or type reference	BE201NGW
Applicant's name / address	Intel Corporation SAS / 425 rue de Goa - Le Cargo B6 - 06600, Antibes, France
Manufacturer's name / address	Intel Corporation SAS / 425 rue de Goa - Le Cargo B6 - 06600, Antibes, France
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart B: 2021, Class B ICES-003 Issue 7: 2020, Class B
Verdict Summary	IN COMPLIANCE
Documented By (Senior Adm. Specialist / Rita Huang)	
Approved By (Director / Vincent Lin)	
Date of Report	2023/11/21
Date of Issue	2023/12/21
Report No.	23B0665R-0E3012110014-A
Report Version	V1.0

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Product Photos: Please refer to the file: 23B0665R-Product Photos

Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Report No.	Version	Description	Issued Date
23B0665R-0E3012110014-A	V1.0	Initial issue of report.	2023-12-21

1. General Information

1.1. EUT Description

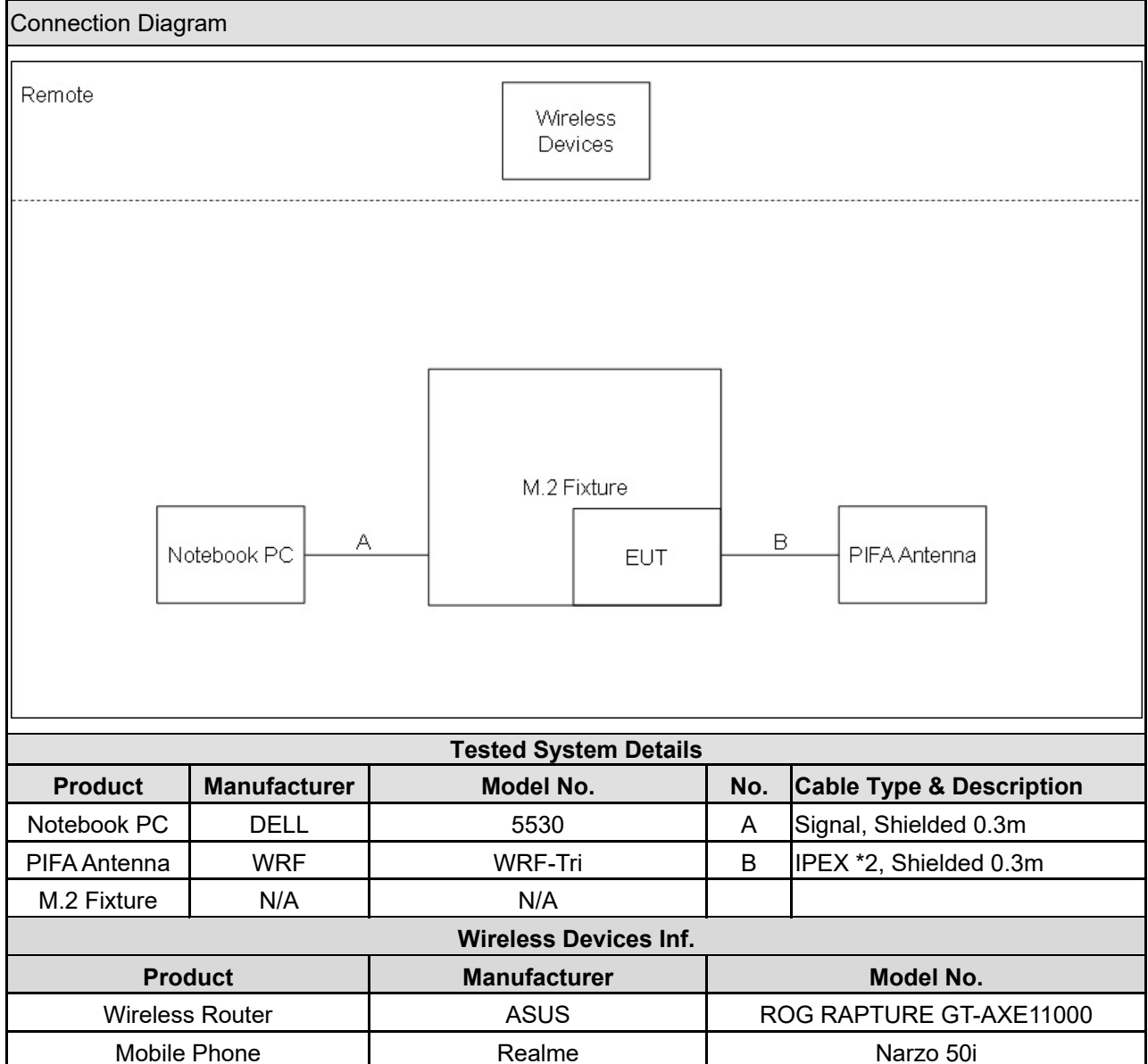
Product Name	Intel Wi-Fi 7 BE201
Trademark	Intel
Model No.	BE201NGW
EUT Max Frequency	7125MHz
EUT Rated Voltage	DC 3.3V
EUT Test Voltage	AC 120 V / 60 Hz

1.2. Mode of Operation

DEKRA has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was shown in this test report and defined as:

Pre-Test Mode	
Mode 1: Normal Operation(BT + WiFi)	
Final Test Mode	
Emission	Mode 1

1.3. Configuration & Details of Tested System



Note:

- ☒ Use Full system setup configuration determines Worst-Case Mode.
- ☐ Use 2dB law program determines Max. Cable Configuration and Worst-Case Mode.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth to 3m from the EUT size sufficient to cover the procedure.
- ☒ Radiated emission item test: Performed using the Horn Antenna 3dB Beamwidth non 3m distance sufficient to cover the size of the EUT program.

1.4. EUT Exercise Software

1	Setup the EUT and simulators as shown on 1.3.
2	Turn on the power of all equipments.
3	All the features of the EUT operation normally.

2. Technical Test

2.1. Summary of Test Result

- ☒ No deviations from the test standards
☐ Deviations from the test standards as below description:

Emission				
Performed Item	Normative References	Test Performed	Test Site	Verdict
Conducted Emission	FCC CFR Title 47 Part 15 Subpart B: 2021, Class B ICES-003 Issue 7: 2020, Class B CISPR 22: 2008, ANSI C63.4-2014 ANSI C63.4a-2017, CAN/CSA-CISPR 32: 17	Yes	HY-SR09	Pass
Radiated Emission	FCC CFR Title 47 Part 15 Subpart B: 2021, Class B ICES-003 Issue 7: 2020, Class B CISPR 22: 2008, ANSI C63.4-2014 ANSI C63.4a-2017, CAN/CSA-CISPR 32: 17	Yes	HY-CB05	Pass

Note:

1. Test Site information refers to test Laboratory Information.

Test Laboratory:	DEKRA Testing and Certification Co., Ltd.
	Linkou Laboratory
Address:	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C
Phone number:	+886-2-8601-3788
Fax number:	+886-2-8601-3789
Test Site	
LK:	No.5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C
FS:	No.6, Lane 75, Wenlin St., Linkou Dist., New Taipei City, 244017, Taiwan, R.O.C
HY:	No.26, Huaya 1 st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C

2.2. List of Test Equipment

Conducted Emission / HY-SR09

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
EMI TEST RECEIVER	R&S	ESR3	102917	2022/12/16	2023/12/15
Two-Line V-Network	R&S	ENV216	101493	2022/12/12	2023/12/11
Two-Line V-Network	R&S	ENV216	101492	2022/12/21	2023/12/20
Impedance Stabilization Network	TESEQ	ISN T800	61676	2023/6/17	2024/6/16
Impedance Stabilization Network	TESEQ	ISN T8-Cat6	61286	2023/6/15	2024/6/14
Impedance Stabilization Network	TESEQ	ISN ST08	61833	2023/6/19	2024/6/18
Coaxial Cable	SUHNER	RG 400	HC001-RG	2023/5/31	2024/5/30
Note : ISN T800 for LAN 10Mbps to 1Gbps, T8-Cat6 for LAN above 1Gbps, ST08 for Shielded LAN					
Test Software version : E3 210616 Dekra, V9(C) Audix					

Note: Test Receiver Detector: Quasipeak and Average Bandwidth: 9kHz

Radiated Emission / HY-CB05

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	1398	2023/6/5	2024/6/4
EMI Test Receiver	R&S	ESR7	102502	2023/3/28	2024/3/27
Coaxial Cable	ROSNOL	R-Test EW0630	HC003R	2023/6/19	2024/6/18
Coaxial Cable	ROSNOL	R-Test EW0630	HC005R	2023/6/19	2024/6/18
Preamplifier	SGH	SGH0301-P	20220411-1	2023/6/26	2024/6/25
NSA	DEKRA	N/A	N/A	2023/8/24	2024/8/23
Test Software version : E3 210616 Dekra, V9(C) Audix					

Note: Test Receiver Detector: Quasipeak Bandwidth: 120kHz

Radiated Emission (Above 1GHz) / HY-CB05

Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Due Date
Double Ridged Guide Horn Antenna	RF SPIN	DRH18-E	210504A18ES	2023/5/26	2024/5/25
Horn Antenna	COM-POWER	AH-840	101088	2023/9/23	2024/9/24
EMI Test Receiver	R&S	ESR7	102502	2023/3/28	2024/3/27
Signal Analyzer	R&S	FSV3044	101245	2023/4/17	2024/4/16
Coaxial Cable	ROSNOL	R-Test EW0630	HC003R	2023/6/19	2024/6/18
Coaxial Cable	ROSNOL	R-Test EW0630	HC005R	2023/6/19	2024/6/18
Coaxial Cable	ROSNOL	R-Test EW0630	HC004R	2023/6/19	2024/6/18
Preamplifier	SGH	SGH118-HS	20220411-2	2023/4/26	2024/4/25
Microwave Preamplifier with cable	SGH	SGH184	20220411-3	2023/4/26	2024/4/25
VSWR	DEKRA	N/A	N/A	2023/8/23	2024/8/22
Test Software version : E3 210616 Dekra, V9(C) Audix					

2.3. Measurement Uncertainty

Conducted Emission

The measurement uncertainty is evaluated as ± 2.00 dB.

Radiated Emission(Under 1GHz)

The measurement uncertainty is evaluated as ± 3.35 dB.

Radiated Emission(Above 1GHz)

The measurement uncertainty is evaluated as ± 4.64 dB.

2.4. Test Environment

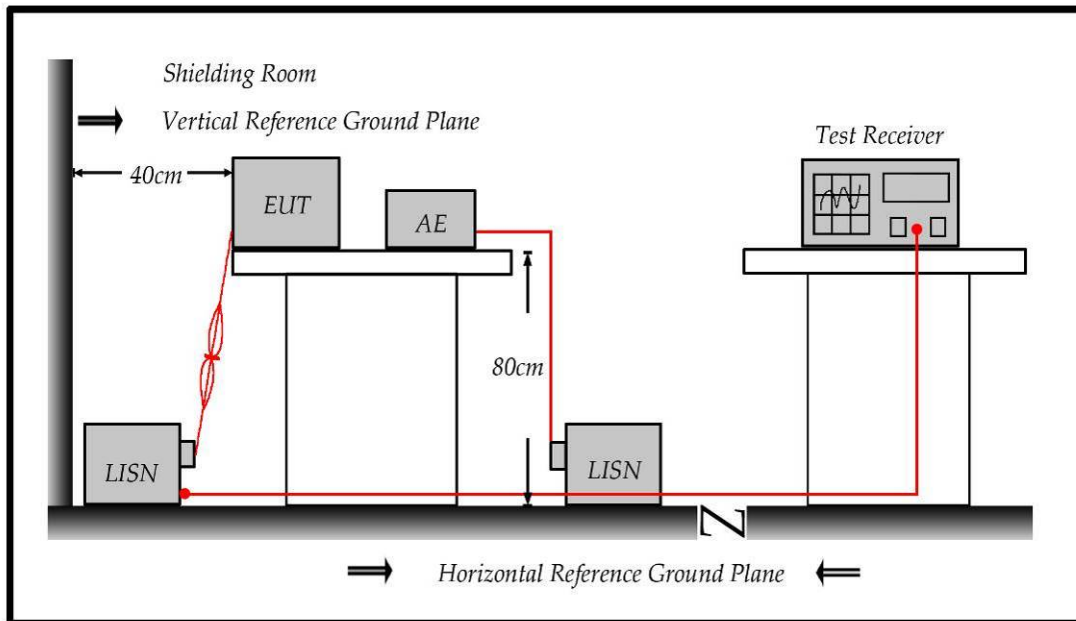
Performed Item	Items	Required
Conducted Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90
Radiated Emission	Temperature (°C)	10-40
	Humidity (%RH)	10-90

3. Conducted Emission

3.1. Test Specification

According to Standard : FCC Part 15 Subpart B, ICES-003 Issue 7: 2020

3.2. Test Setup



3.3. Limit

Conducted emissions limits (AC mains power terminals)				
Frequency range (MHz)	Class A Quasi-peak (dBuV)	Class A Average (dBuV)	Class B Quasi-peak (dBuV)	Class B Average (dBuV)
0.15 – 0.5	79	66	66 to 56	56 to 46
0.5 - 5	73	60	56	46
5 - 30	73	60	60	50
Note:				
1. The more stringent limit applies at transition frequencies.				
2. The limit level in dBuV decreases linearly with the logarithm of frequency				

3.4. Test Procedure

The EUT and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination.

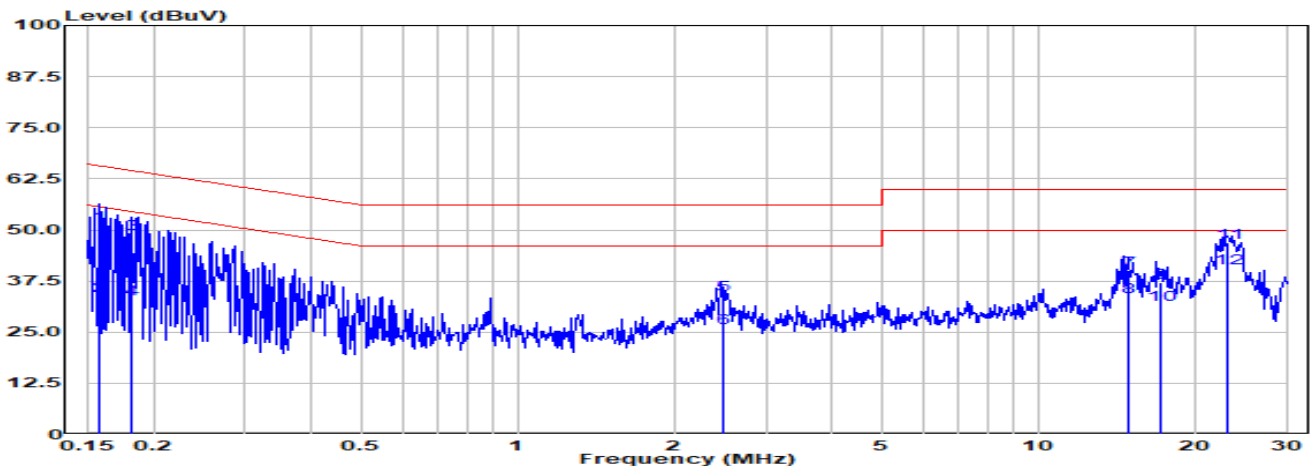
(Please refers to the block diagram of the test setup and photographs.)

Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed on conducted measurement.

Conducted emissions were invested over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9kHz.

3.5. Test Result

Model No	BE201NGW	Site	HY-SR09
Test Voltage	AC 120V/60Hz	Test Date	2023-11-30
Test Mode	Mode 1	Engineer	Nat Cheng
Phase	Line	Temperature (°C)	24
Test Condition	--	Humidity (%RH)	57

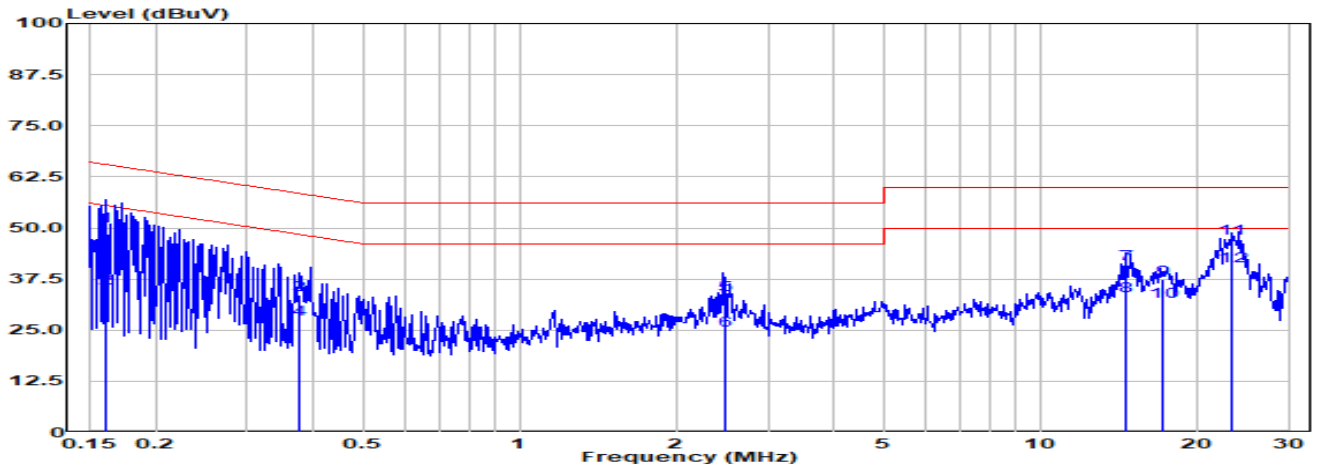


No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.157	51.13	65.62	-14.49	41.49	9.64	QP
2	0.157	33.92	55.62	-21.70	24.28	9.64	Average
3	0.181	49.01	64.43	-15.42	39.37	9.64	QP
4	0.181	33.07	54.43	-21.36	23.43	9.64	Average
5	2.475	34.16	56.00	-21.84	24.42	9.75	QP
6	2.475	25.95	46.00	-20.05	16.21	9.75	Average
7	14.977	40.09	60.00	-19.91	30.03	10.06	QP
8	14.977	33.55	50.00	-16.45	23.48	10.06	Average
9	17.256	37.19	60.00	-22.81	27.10	10.09	QP
10	17.256	31.65	50.00	-18.35	21.55	10.09	Average
11	23.195	47.01	60.00	-12.99	36.88	10.13	QP
12	23.195	40.61	50.00	-9.39	30.48	10.13	Average

Remark:

1. "" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit

Model No	BE201NGW	Site	HY-SR09
Test Voltage	AC 120V/60Hz	Test Date	2023-11-30
Test Mode	Mode 1	Engineer	Nat Cheng
Phase	Neutral	Temperature (°C)	24
Test Condition	--	Humidity (%RH)	57



No	Frequency (MHz)	Emission Level (dBuV)	Limit (dBuV)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB)	Detector Type
1	0.160	50.54	65.46	-14.92	40.89	9.65	QP
2	0.160	35.25	55.46	-20.21	25.60	9.65	Average
3	0.377	33.69	58.34	-24.64	24.04	9.65	QP
4	0.377	27.63	48.34	-20.70	17.98	9.65	Average
5	2.479	33.49	56.00	-22.51	23.74	9.75	QP
6	2.479	25.06	46.00	-20.94	15.31	9.75	Average
7	14.593	41.19	60.00	-18.81	31.08	10.11	QP
8	14.593	33.32	50.00	-16.68	23.21	10.11	Average
9	17.272	37.37	60.00	-22.63	27.21	10.16	QP
10	17.272	32.04	50.00	-17.96	21.88	10.16	Average
11	23.323	47.44	60.00	-12.56	37.21	10.23	QP
12	23.323	40.66	50.00	-9.34	30.43	10.23	Average

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=LISN Factor+Cable Loss).
3. Margin=Emission Level-Limit

3.6. Test Photograph

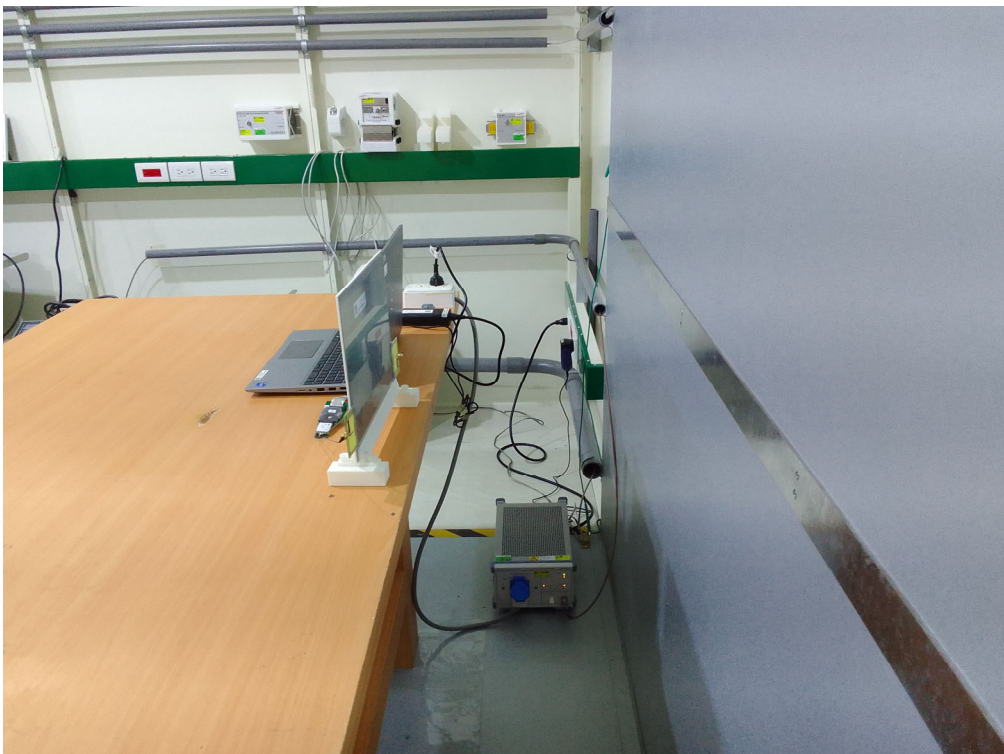
Test Mode : Mode 1

Description : Front View of Conducted Test



Test Mode : Mode 1

Description : Back View of Conducted Test



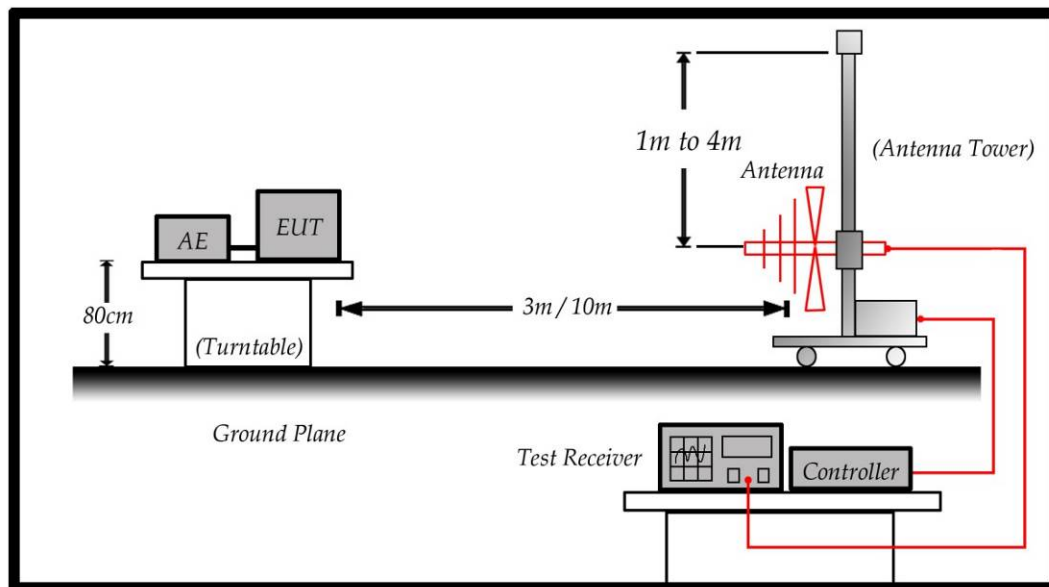
4. Radiated Emission

4.1. Test Specification

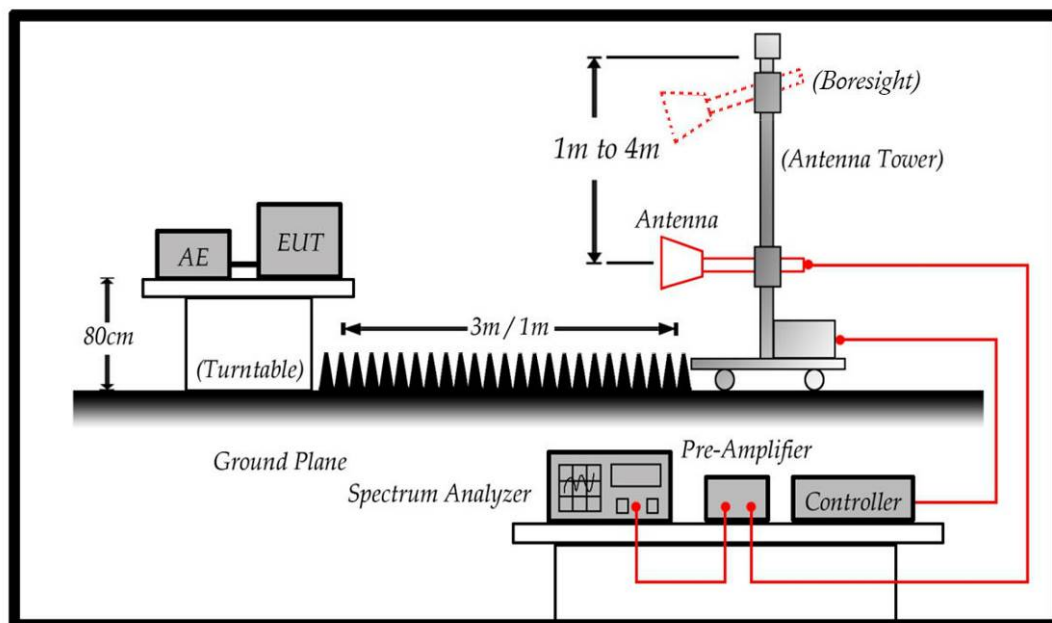
According to Standard : FCC Part 15 Subpart B, ICES-003 Issue 7: 2020

4.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



4.3. Limit

Under 1GHz test shall not exceed the following value:

Limits		
Frequency (MHz)	Distance (m)	dB μ V/m
30 - 230	10	30
230 - 1000	10	37

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

Above 1GHz test shall not exceed the following value:

FCC Part 15 Subpart B Paragraph 15.109 Limits (dBuV/m)		
Frequency (MHz)	Distance (m)	dBuV/m
30-88	3	40
88-216	3	43.5
216-960	3	46.0
960-1000	3	54
1000-40000	3	54
18000-40000	1	63.5

Remark:

1. The tighter limit shall apply at the edge between two frequency bands.
2. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
3. RF Voltage (dBuV/m) = 20 log RF Voltage (μ V/m)

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Radiated emissions limits (30 MHz to 1 GHz)				
Frequency range (MHz)	Class A (3 m) Quasi-peak (dBuV/m)	Class A (10 m) Quasi-peak (dBuV/m)	Class B (3 m) Quasi-peak (dBuV/m)	Class B (10 m) Quasi-peak (dBuV/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
Note: The more stringent limit applies at transition frequencies.				

Required highest measurement frequency for radiated emissions

Highest internal frequency (F_x)	Highest measured frequency
$F_x \leq 108 \text{ MHz}$	1 GHz
$108 \text{ MHz} < F_x \leq 500 \text{ MHz}$	2 GHz
$500 \text{ MHz} < F_x \leq 1 \text{ GHz}$	5 GHz
$F_x > 1 \text{ GHz}$	$5 \times F_x$ up to a maximum of 40 GHz
Note: F_x is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test.	

Radiated emission limits at 3 m distance (at and above 1 GHz)				
Frequency range (GHz)	Class A Average dB(uV/m)	Class A) Peak dB(uV/m)	Class B Average dB(uV/m)	Class B Peak dB(uV/m)
$1 - F_M$	60	80	54	74
Note: - The highest measurement frequency, F_M, in GHz, shall be determined as per table 3. - The measurement bandwidth shall be 1 MHz or greater. - These limit levels apply for a measurement distance of 3 m. If using a different measurement distance, the measured levels shall be extrapolated to the 3 m limit distance using a factor of 20 dB per decade of distance. The measurement distance shall place the measurement antenna in the far field of the ITE or digital apparatus under test. - The test site shall have been validated at the distance used for radiated emission measurements on the ITE or digital apparatus under test.				

4.4. Test Procedure

FCC Part 15 Subpart B

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

For an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

On any frequency or frequencies below or equal to 1000MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000MHz, the radiated limits shown are based measuring equipment employing an average detector function.

When average radiated emission measurement are included emission measurement Above 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

For class A, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and above 1GHz.

For class B, the measurement distance between the EUT and antenna is 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120kHz and above 1GHz is 1MHz.

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The EUT and its simulators are placed on a turn table which is 0.8 meter above ground.

The turn table can rotate 360 degrees to determine the position of the maximum emission level and the antenna (boresight antenna tower) can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated on radiated measurement.

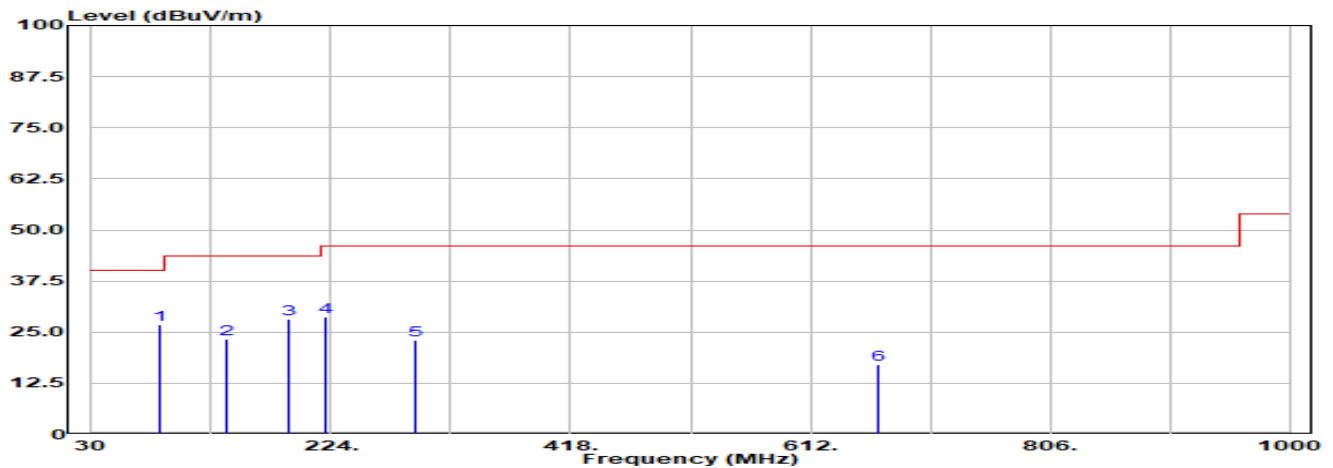
On any frequency or frequencies below or equal to 1000 MHz, the radiated limits shown are based on measuring equipment employing a quasi-peak detector function and above 1000 MHz, the radiated limits shown are based measuring equipment employing an peak & average detector function.

The measurement distance between the EUT and antenna is 3 meters or 10 meters for under 1GHz and 3 meters for above 1GHz.

The bandwidth below 1GHz setting on the field strength meter (Test Receiver) is 120 kHz and above 1GHz is 1MHz

4.5. Test Result

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

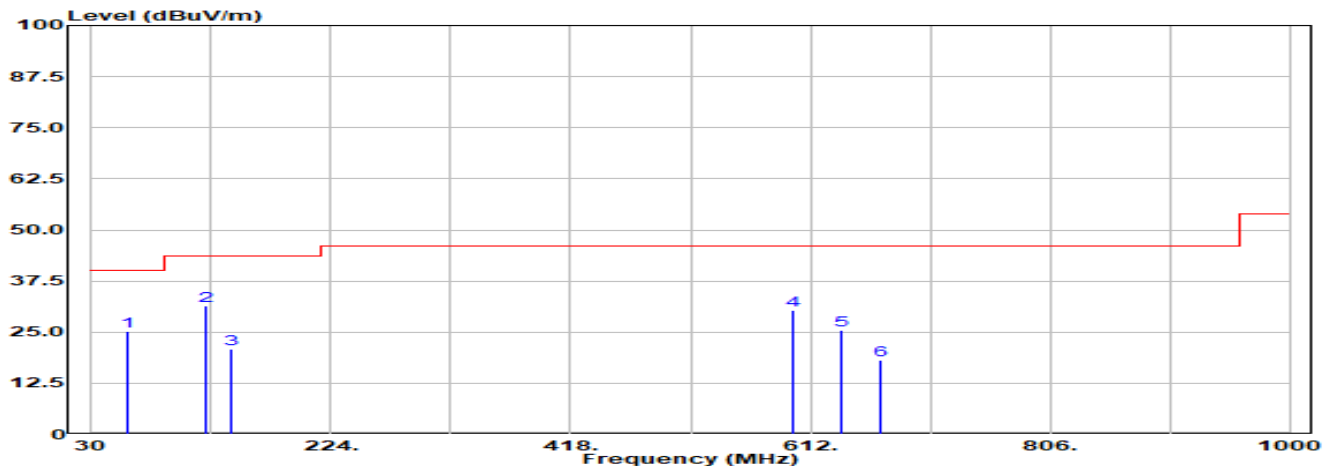


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1*	85.340	26.74	40.00	-13.26	56.70	-29.96	100	14	QP
2	140.180	23.35	43.50	-20.15	48.20	-24.85	100	40	QP
3	188.960	28.25	43.50	-15.25	55.20	-26.95	100	5	QP
4	219.450	28.61	46.00	-17.39	55.60	-26.99	100	0	QP
5	292.570	23.05	46.00	-22.95	46.80	-23.75	100	122	QP
6	667.060	16.99	46.00	-29.01	32.10	-15.11	100	183	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

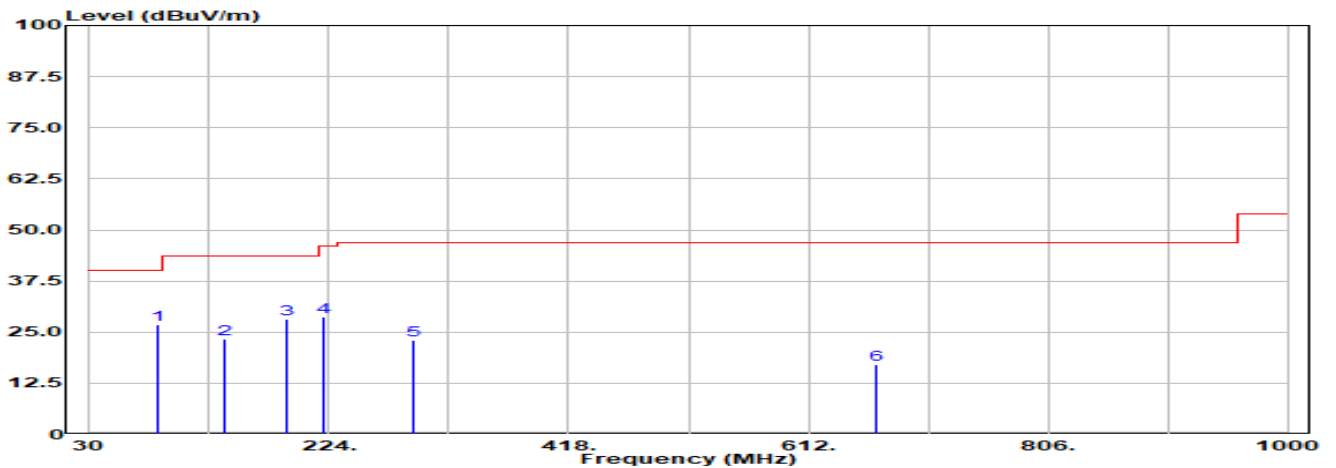


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	58.280	25.19	40.00	-14.81	49.60	-24.41	100	217	QP
2*	122.900	31.53	43.50	-11.97	57.90	-26.37	100	268	QP
3	142.590	20.97	43.50	-22.53	45.40	-24.43	100	298	QP
4	597.400	30.26	46.00	-15.74	46.50	-16.24	100	112	QP
5	637.110	25.48	46.00	-20.52	41.00	-15.52	100	26	QP
6	668.400	18.09	46.00	-27.91	33.20	-15.11	100	360	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

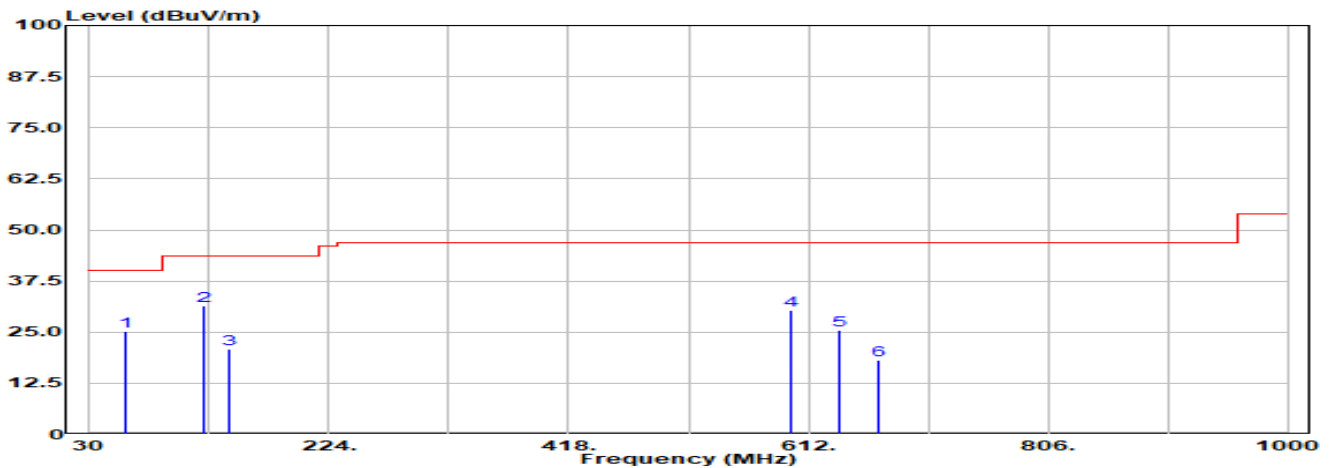


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1*	85.340	26.74	40.00	-13.26	56.70	-29.96	100	14	QP
2	140.180	23.35	43.50	-20.15	48.20	-24.85	100	40	QP
3	188.960	28.25	43.50	-15.25	55.20	-26.95	100	5	QP
4	219.450	28.61	46.00	-17.39	55.60	-26.99	100	0	QP
5	292.570	23.05	47.00	-23.95	46.80	-23.75	100	122	QP
6	667.060	16.99	47.00	-30.01	32.10	-15.11	100	183	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

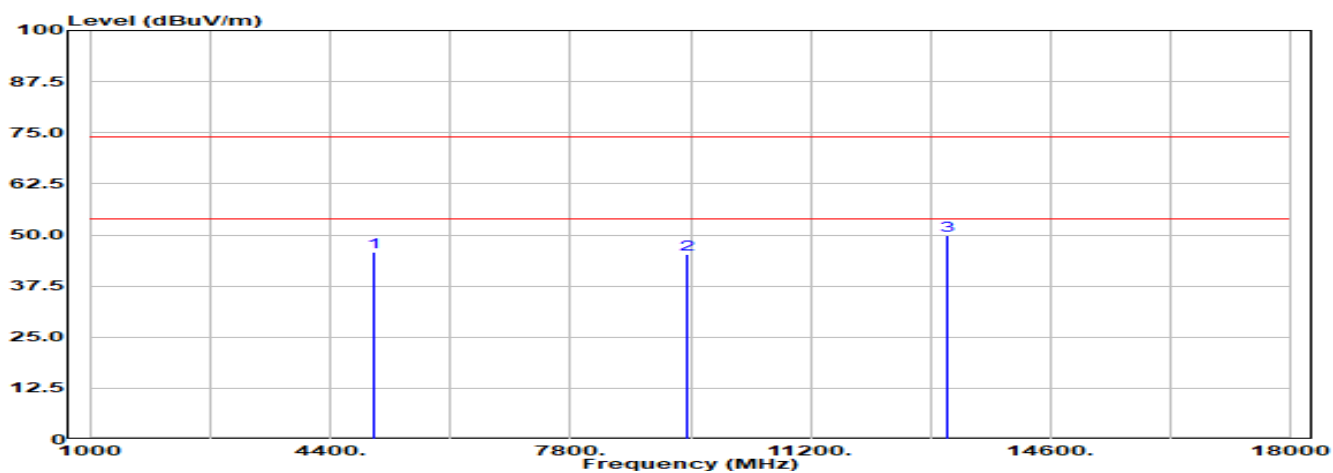


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	58.280	25.19	40.00	-14.81	49.60	-24.41	100	217	QP
2*	122.900	31.53	43.50	-11.97	57.90	-26.37	100	268	QP
3	142.590	20.97	43.50	-22.53	45.40	-24.43	100	298	QP
4	597.400	30.26	47.00	-16.74	46.50	-16.24	100	112	QP
5	637.110	25.48	47.00	-21.52	41.00	-15.52	100	26	QP
6	668.400	18.09	47.00	-28.91	33.20	-15.11	100	360	QP

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

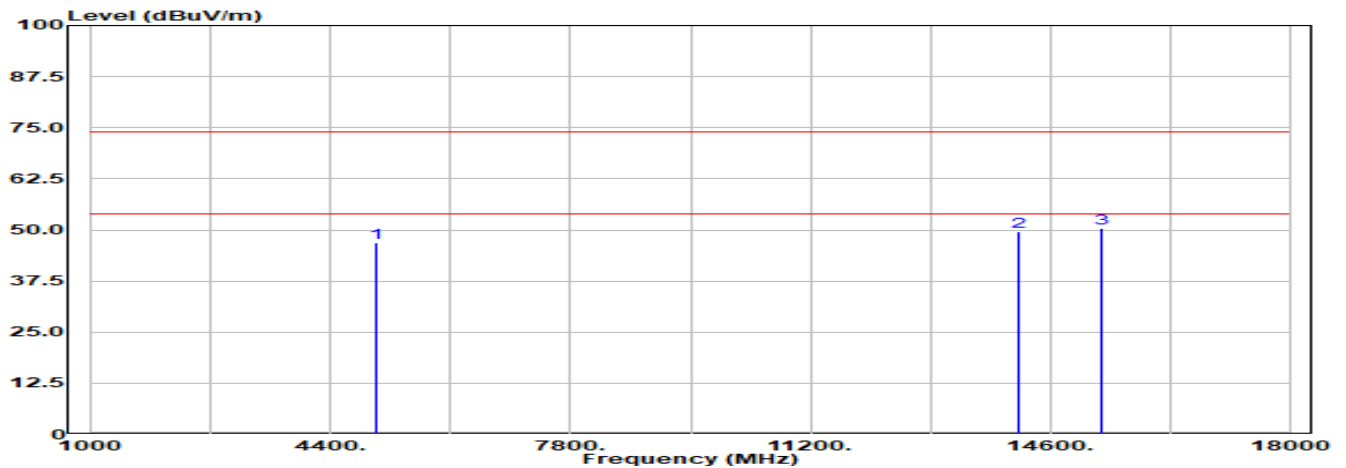


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	5020.000	45.92	74.00	-28.08	51.12	-5.20	100	214	Peak
2	9440.500	45.32	74.00	-28.68	43.06	2.26	100	196	Peak
3*	13138.000	49.84	74.00	-24.16	42.14	7.70	100	15	Peak

Remark:

1. "" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

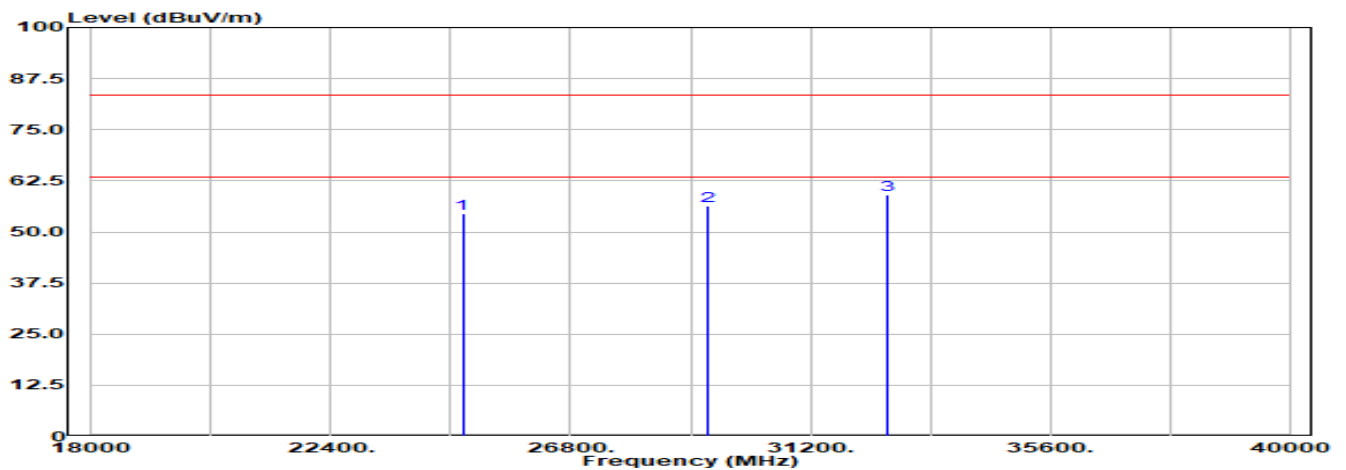


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	5040.000	46.76	74.00	-27.24	52.03	-5.27	100	60	Peak
2	14149.500	49.61	74.00	-24.39	41.03	8.58	100	307	Peak
3*	15348.000	50.36	74.00	-23.64	42.00	8.35	100	173	Peak

Remark:

1. "" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Horizontal	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54

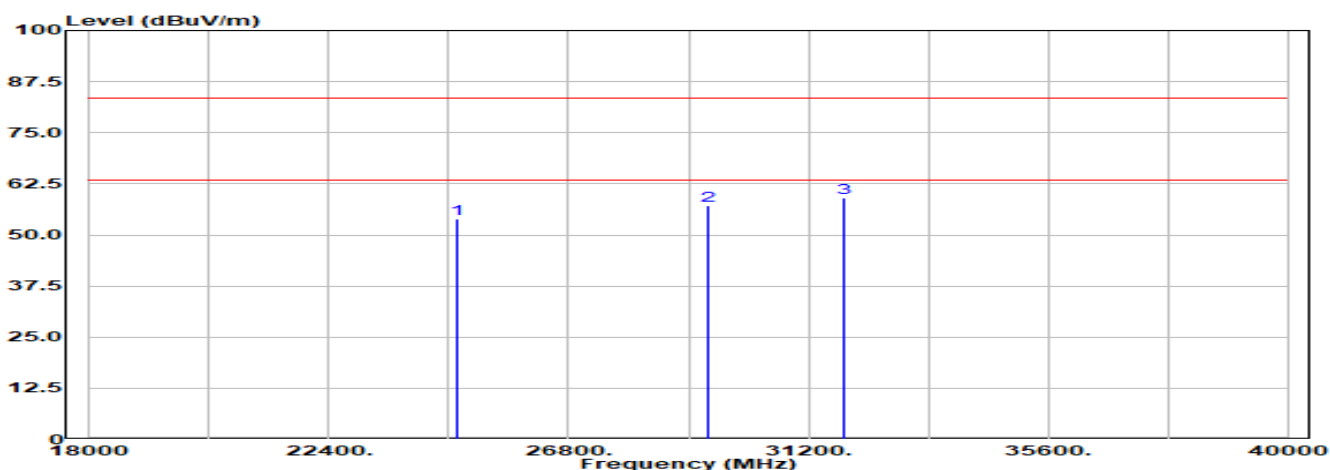


No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	24814.500	54.39	83.50	-29.11	41.44	12.95	100	268	Peak
2	29330.000	56.35	83.50	-27.15	40.80	15.55	100	90	Peak
3*	32597.000	59.02	83.50	-24.48	42.38	16.64	100	232	Peak

Remark:

1. "*" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

Model No	BE201NGW	Site	HY-CB05
Test Voltage	AC 120V/60Hz	Test Date	2023-12-01
Test Mode	Mode 1	Engineer	Nat Cheng
Polarity	Vertical	Temperature (°C)	22
Test Condition	--	Humidity (%RH)	54



No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Reading Level (dBuV)	Correct Factor (dB/m)	Ant Pos (cm)	TT Pos (deg)	Detector Type
1	24743.000	53.83	83.50	-29.67	40.91	12.92	100	187	Peak
2	29357.500	57.19	83.50	-26.31	41.59	15.60	100	8	Peak
3*	31871.000	59.11	83.50	-24.39	41.39	17.72	100	138	Peak

Remark:

1. "" means this data is the worst margin; "!" means this data is over limit.
2. Emission Level=Reading Level + Correct Factor(Correct Factor=Ant Factor+Cable Loss-Pre Amp).
3. Margin=Emission Level - Limit.

4.6. Test Photograph

Test Mode : Mode 1

Description : Front View of Radiated Test



Test Mode : Mode 1

Description : Back View of Radiated Test



Test Mode : Mode 1

Description : Front View of High Frequency Radiated Test

