



Report No.: FC313125-01

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Page Number

# **FCC EMI TEST REPORT**

FCC ID : LHJ-BL28NARD2

Equipment : BL28NA-RD2
Brand Name : Continental
Model Name : BL28NA-RD2

Applicant : Continental Automotive Systems, Inc.

21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer : Continental Automotive Systems, Inc.

21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Standard : FCC 47 CFR FCC Part 15 Subpart B Class B

The product was received on Jan. 31, 2023 and testing was performed from Feb. 16, 2023 to Feb. 16, 2023. We, Sporton International Inc. Wensan Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

TEL: 886-3-327-0868

Louis Wu

Sporton International Inc. Wensan Laboratory

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)

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# History of this test report

Report No. : FC313125-01

Report No.	Version	Description	Issue Date
FC313125-01	01	Initial issue of report	Dec. 14, 2023

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## **Summary of Test Result**

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Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
-	15.107	AC Conducted Emission	Not Required	-
3.1	15.109	Radiated Emission	Pass	6.70 dB under the limit at 37.830 MHz

#### Note:

- 1. Not required means after assessing, test items are not necessary to carry out.
- 2. This is a variant report by changing host information and upgrading standard version. After assessing, since the test result is not affected by the changes, the FC313125-01 report reuses test data from the FC313125 report.

#### **Conformity Assessment Condition:**

- The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits
  or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of
  non-compliance that may potentially occur if measurement uncertainty is taken into account.
- 2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty".

#### Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Keven Cheng Report Producer: Wilda Wei

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# 1. General Description

## 1.1. Product Feature of Equipment Under Test

Product Feature				
Equipment	BL28NA-RD2			
Brand Name	Continental			
Model Name	BL28NA-RD2			
FCC ID	LHJ-BL28NARD2FCC			
	Equipment: StrLnk3P			
Installed into the Host	Brand Name: Continental			
	Model Name: StrLnk3P			
EUT supports Radios application	GSM/WCDMA/HSPA/LTE/GNSS			
HW Version P4.0				
EUT Stage Identical Prototype				

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**Remark:** The above EUT's information was declared by manufacturer.

## 1.2. Product Specification of Equipment Under Test

Product Specification of Equipment officer rest				
Product Specification is subject to this standard				
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz WCDMA Band IV: 1712.4 MHz ~ 1752.6 MHz LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz			
Rx Frequency	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz WCDMA Band IV: 2112.4 MHz ~ 2152.6 MHz LTE Band 2: 1930.7 MHz ~ 1989.3 MHz LTE Band 4: 2110.7 MHz ~ 2154.3 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 7: 2622.5 MHz ~ 2687.5 MHz LTE Band 12: 729.7 MHz ~ 745.3 MHz GNSS: 1559 MHz ~ 1610 MHz (GPS / Glonass / BDS / Galileo / SBAS)			
Antenna Type	WWAN: Fixed Internal Antenna GNSS: Fixed external Antenna			
Type of Modulation	GSM / GPRS: GMSK EGPRS: GMSK for MCS 0 ~ 4 & 8PSK for MCS5 ~9 WCDMA: QPSK (Uplink) HSDPA: 64QAM (Downlink) HSUPA: QPSK (Uplink) LTE: QPSK / 16QAM GNSS: BPSK			

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

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### 1.3. Modification of EUT

No modifications made to the EUT during the testing.

### 1.4. Test Location

Test Site	Sporton International Inc. Wensan Laboratory			
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855			
Test Site No.	Sporton Site No.			
rest one No.	03CH10-HY			

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FCC designation No.: TW1132

### 1.5. Applicable Standards

According to the specifications declared by the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR FCC Part 15 Subpart B Class B
- + ANSI C63.4-2014

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

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## 2. Test Configuration of Equipment Under Test

### 2.1. Test Mode

The EUT is tested along with the peripherals, operating under possible configurations in compliant with normal operation. The maximum emissions can be identified by a pre-scan carried out in different orientations of placement pursuant to ANSI C63.4-2014. Frequency range covered: Radiation Emission (30 MHz to the 5<sup>th</sup> harmonics of the highest fundamental frequency or to 40 GHz, whichever is lower).

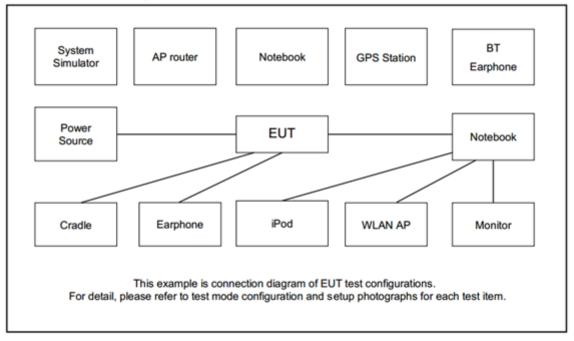
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Test Items	Functions Enabled
Radiated Emissions	Mode 1: GSM 850 (GPRS Class 8) Idle + WWAN Antenna + GPS Antenna + Battery + DC12V  Mode 2: WCDMA Band V Idle + WWAN Antenna + GPS Antenna + Battery + DC12V

#### Remark:

- 1. The worst case of RE is mode 1; only the test data of this mode was reported.
- For Radiation Emission after pre-scanned the cellular band between 30MHz ~ 960MHz (GSM850/WCDMA Band V); only the worst case for cellular band test data of this mode was reported.

## 2.2. Connection Diagram of Test System



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2.3. Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded,1.8m
3.	WWAN Antenna	Larsen	SPDA24700/2700	N/A	N/A	N/A
4.	GPS Antenna	Taoglas	Magma AA.170	N/A	N/A	N/A
5.	TP Load Box	Continental	N/A	N/A	N/A	N/A
6.	Power Supply	GWINSTEK	GPE-2323	N/A	N/A	Unshielded, 1.8 m

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### 2.4. EUT Operation Test Setup

The EUT is in GSM or WCDMA idle mode during the test. The EUT is synchronized with the BCCH, and has been continuous receiving mode by setting paging reorganization of the system simulator.

At the same time, the following programs installed in the EUT are programmed during the test:

1. Execute "subaru\_gen3\_hwtool\_0.1.16" to make the EUT receive continuous signals from GPS station.

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### 3. Test Result

#### 3.1. Test of Radiated Emission Measurement

#### 3.1.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

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#### <Class B>

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

### 3.1.2. Measuring Instruments

Please refer to the measuring equipment list in this test report.

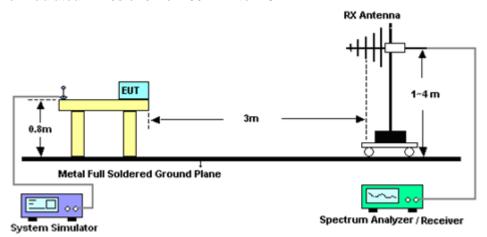
#### 3.1.3. Test Procedures

- 1. The EUT is placed on a turntable with 0.8 meter above ground.
- 2. The EUT is set 3 meters from the interference receiving antenna, which is mounted on the top of a variable height antenna tower.
- 3. The table is rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT is arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120 kHz/VBW=300 kHz for frequency below 1 GHz; RBW=1 MHz VBW=3 MHz (Peak), RBW=1 MHz/VBW=10 Hz (Average) for frequency above 1 GHz).
- 7. If the emission level of the EUT in peak mode is 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.

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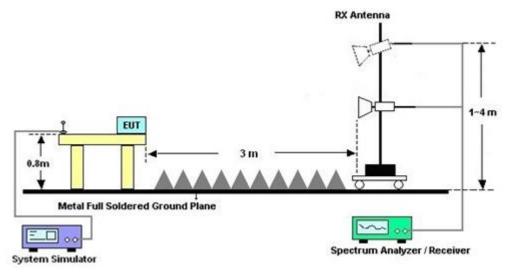
### 3.1.4. Test Setup of Radiated Emission

#### For Radiated Emissions from 30 MHz to 1 GHz



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#### For Radiated Emissions above 1GHz



### 3.1.5. Test Result of Radiated Emission

Please refer to Appendix A.

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# 4. List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 19, 2022	Feb. 16, 2023	Oct. 18, 2023	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D & 00800N1D01N -06	35413 & 02	30MHz~1GHz	Nov. 06, 2022	Feb. 16, 2023	Nov. 05, 2023	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1325	1GHz~18GHz	Oct. 27, 2022	Feb. 16, 2023	Oct. 26, 2023	Radiation (03CH10-HY)
Preamplifier	Jet-Power	JAP00101800- 30-10P	160118550004	1GHz~18GHz	Feb. 27, 2022	Feb. 16, 2023	Feb. 26, 2023	Radiation (03CH10-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Feb. 16, 2023	N/A	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 16, 2023	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Feb. 16, 2023	N/A	Radiation (03CH10-HY)
Software	Audix	E3 6.2009-8-24	RK-001042	N/A	N/A	Feb. 16, 2023	N/A	Radiation (03CH10-HY)
EMI Test Receiver	Keysight	N9038A	MY59053012	3Hz~26.5GHz	Nov. 18, 2022	Feb. 16, 2023	Nov. 17, 2023	Radiation (03CH10-HY)
Signal Analyzer	Keysight	N9010B	MY60241055	10Hz~44GHz	Jul. 22, 2022	Feb. 16, 2023	Jul. 21, 2023	Radiation (03CH10-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	519226/2, 804014/2, 804026/2	30MHz~40GHz	Nov. 02, 2022	Feb. 16, 2023	Nov. 01, 2023	Radiation (03CH10-HY)

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# 5. Measurement Uncertainty

### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence	6.3 AB
of 95% (U = 2Uc(y))	6.2 dB

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#### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

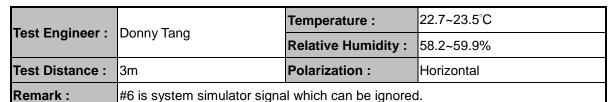
Measuring Uncertainty for a Level of Confidence	4.6 dB
of 95% (U = 2Uc(y))	4.0 UB

### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence	5.3 dB
of 95% (U = 2Uc(y))	3.3 UB

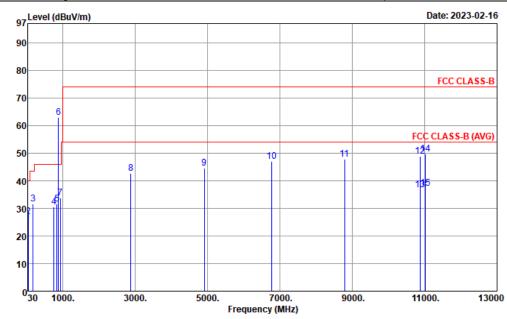
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# **Appendix A. Radiated Emission Test Result**



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- Emission level (dBμV/m) = 20 log Emission level (μV/m)
- Corrected Reading: Anténna Factor + Cable Loss + Read Level Preamp Factor = Level



Site : 03CH10-HY

Condition : FCC CLASS-B 3m 9120D-1325\_221210 HORIZONTAL

Power : DC 12V Mode : 1

	-									
		0ver	Limit	Read/	Antenna	Cable	Preamp	A/Pos	T/Pos	
Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
38.37	25.62	-14.38	40.00	36.74	20.41	1.09	32.62			Peak
48.36	26.95	-13.05	40.00	43.27	15.12	1.22	32.66			Peak
179.85	31.74	-11.76	43.50	46.84	15.07	2.35	32.52			Peak
757.80	30.48	-15.52	46.00	30.06	28.05	4.81	32.44			Peak
843.20	31.70	-14.30	46.00	29.48	29.05	5.08	31.91			Peak
881.40	62.95			60.42	29.05	5.20	31.72			Peak
932.10	33.81	-12.19	46.00	29.83	30.01	5.32	31.35			Peak
2882.00	42.61	-31.39	74.00	63.66	28.60	9.38	59.03			Peak
4914.00	44.53	-29.47	74.00	59.09	32.66	12.37	59.59			Peak
6778.00	46.97	-27.03	74.00	56.76	36.00	14.56	60.35			Peak
8784.00	47.85	-26.15	74.00	53.94	37.90	16.69	60.68			Peak
10880.00	49.02	-24.98	74.00	51.13	38.96	18.70	59.77			Peak
10880.00	36.79	-17.21	54.00	38.90	38.96	18.70	59.77			Average
11028.00	49.64	-24.36	74.00	51.73	38.70	18.83	59.62			Peak
11028.00	37.41	-16.59	54.00	39.50	38.70	18.83	59.62			Average
	MHz  38.37  48.36  179.85  757.80  843.20  881.40  932.10  2882.00  4914.00  6778.00  8784.00  10880.00  10880.00  11028.00	MHz dBuV/m  38.37 25.62 48.36 26.95 179.85 31.74 757.80 30.48 843.20 31.70 881.40 62.95 932.10 33.81 2882.00 42.61 4914.00 44.53 6778.00 46.97 8784.00 47.85 10880.00 49.02 10880.00 36.79 11028.00 49.64	Freq         Level         Limit           MHz         dBuV/m         dB           38.37         25.62         -14.38           48.36         26.95         -13.05           179.85         31.74         -11.76           757.80         30.48         -15.52           843.20         31.70         -14.30           881.40         62.95         932.10         33.81         -12.19           2882.00         42.61         -31.39           4914.00         44.53         -29.47           6778.00         46.97         -27.03           8784.00         47.85         -26.15           10880.00         36.79         -17.21           1028.00         49.64         -24.36	Freq         Level         Limit         Line           MHz         dBuV/m         dB dBuV/m           38.37         25.62         -14.38         40.00           48.36         26.95         -13.05         40.00           179.85         31.74         -11.76         43.50           757.80         30.48         -15.52         46.00           843.20         31.70         -14.30         46.00           881.40         62.95           932.10         33.81         -12.19         46.00           2882.00         42.61         -31.39         74.00           4914.00         44.53         -29.47         74.00           6778.00         46.97         -27.03         74.00           8784.00         47.85         -26.15         74.00           10880.00         36.79         -17.21         54.00           11028.00         49.64         -24.36         74.00	Freq         Level         Limit         Line         Level           MHz         dBuV/m         dB dBuV/m         dBuV/m         dBuV           38.37         25.62         -14.38         40.00         36.74           48.36         26.95         -13.05         40.00         43.27           179.85         31.74         -11.76         43.50         46.84           757.80         30.48         -15.52         46.00         29.48           843.20         31.70         -14.30         46.00         29.48           881.40         62.95         60.42           932.10         33.81         -12.19         46.00         29.83           2882.00         42.61         -31.39         74.00         63.66           4914.00         44.53         -29.47         74.00         59.09           6778.00         46.97         -27.03         74.00         56.76           8784.00         47.85         -26.15         74.00         53.94           10880.00         36.79         -17.21         54.00         38.90           11028.00         49.64         -24.36         74.00         51.73	Freq         Level         Limit         Line         Level         Factor           MHz         dBuV/m         dB uV/m         dBuV/m         dBuV         dB/m           38.37         25.62         -14.38         40.00         36.74         20.41           48.36         26.95         -13.05         40.00         43.27         15.12           179.85         31.74         -11.76         43.50         46.84         15.07           757.80         30.48         -15.52         46.00         30.06         28.05           843.20         31.70         -14.30         46.00         29.48         29.05           932.10         33.81         -12.19         46.00         29.83         30.01           2882.00         42.61         -31.39         74.00         63.66         28.60           4914.00         44.53         -29.47         74.00         59.09         32.66           6778.00         46.97         -27.03         74.00         56.76         36.00           8784.00         47.85         -26.15         74.00         53.94         37.90           10880.00         36.79         -17.21         54.00         38.90 <td< td=""><td>Freq         Level         Limit         Line         Level         Factor         Loss           MHz         dBuV/m         dB dBuV/m         dBuV         dB/m         dB           38.37         25.62         -14.38         40.00         36.74         20.41         1.09           48.36         26.95         -13.05         40.00         43.27         15.12         1.22           179.85         31.74         -11.76         43.50         46.84         15.07         2.35           757.80         30.48         -15.52         46.00         30.06         28.05         4.81           843.20         31.70         -14.30         46.00         29.48         29.05         5.08           881.40         62.95         60.42         29.05         5.20           932.10         33.81         -12.19         46.00         29.83         30.01         5.32           2882.00         42.61         -31.39         74.00         63.66         28.60         9.38           4914.00         44.53         -29.47         74.00         59.09         32.66         12.37           6778.00         46.97         -27.03         74.00         56.76</td><td>Freq         Level         Limit         Line         Level         Factor         Loss         Factor           MHz         dBuV/m         dB uV/m         dBuV         dB/m         dB         dB           38.37         25.62         -14.38         40.00         36.74         20.41         1.09         32.62           48.36         26.95         -13.05         40.00         43.27         15.12         1.22         32.66           179.85         31.74         -11.76         43.50         46.84         15.07         2.35         32.52           757.80         30.48         -15.52         46.00         30.06         28.05         4.81         32.44           843.20         31.70         -14.30         46.00         29.48         29.05         5.08         31.91           881.40         62.95         60.42         29.05         5.20         31.72           932.10         33.81         -12.19         46.00         29.83         30.01         5.32         31.35           2882.00         42.61         -31.39         74.00         59.09         32.66         12.37         59.59           6778.00         46.97         -27.03</td><td>Freq         Level         Limit         Line         Level         Factor         Loss         Factor           MHz         dBuV/m         dB         dBuV/m         dBuV         dB/m         dB         dB         cm           38.37         25.62         -14.38         40.00         36.74         20.41         1.09         32.62            48.36         26.95         -13.05         40.00         43.27         15.12         1.22         32.66            179.85         31.74         -11.76         43.50         46.84         15.07         2.35         32.52            757.80         30.48         -15.52         46.00         30.06         28.05         4.81         32.44            843.20         31.70         -14.30         46.00         29.48         29.05         5.08         31.91            881.40         62.95         60.42         29.05         5.20         31.72            932.10         33.81         -12.19         46.00         29.83         30.01         5.32         31.35            2882.00         42.61         -31.39         74.00</td><td>Freq         Level         Limit         Line         Level         Factor         Loss         Factor           MHz         dBuV/m         dB         dBuV/m         dBuV         dB/m         dB         dB         cm         deg           38.37         25.62         -14.38         40.00         36.74         20.41         1.09         32.62             48.36         26.95         -13.05         40.00         43.27         15.12         1.22         32.66             179.85         31.74         -11.76         43.50         46.84         15.07         2.35         32.52             757.80         30.48         -15.52         46.00         30.06         28.05         4.81         32.44             843.20         31.70         -14.30         46.00         29.48         29.05         5.08         31.91             932.10         33.81         -12.19         46.00         29.83         30.01         5.32         31.35            2882.00         42.61         -31.39         74.00         59.09         32.66</td></td<>	Freq         Level         Limit         Line         Level         Factor         Loss           MHz         dBuV/m         dB dBuV/m         dBuV         dB/m         dB           38.37         25.62         -14.38         40.00         36.74         20.41         1.09           48.36         26.95         -13.05         40.00         43.27         15.12         1.22           179.85         31.74         -11.76         43.50         46.84         15.07         2.35           757.80         30.48         -15.52         46.00         30.06         28.05         4.81           843.20         31.70         -14.30         46.00         29.48         29.05         5.08           881.40         62.95         60.42         29.05         5.20           932.10         33.81         -12.19         46.00         29.83         30.01         5.32           2882.00         42.61         -31.39         74.00         63.66         28.60         9.38           4914.00         44.53         -29.47         74.00         59.09         32.66         12.37           6778.00         46.97         -27.03         74.00         56.76	Freq         Level         Limit         Line         Level         Factor         Loss         Factor           MHz         dBuV/m         dB uV/m         dBuV         dB/m         dB         dB           38.37         25.62         -14.38         40.00         36.74         20.41         1.09         32.62           48.36         26.95         -13.05         40.00         43.27         15.12         1.22         32.66           179.85         31.74         -11.76         43.50         46.84         15.07         2.35         32.52           757.80         30.48         -15.52         46.00         30.06         28.05         4.81         32.44           843.20         31.70         -14.30         46.00         29.48         29.05         5.08         31.91           881.40         62.95         60.42         29.05         5.20         31.72           932.10         33.81         -12.19         46.00         29.83         30.01         5.32         31.35           2882.00         42.61         -31.39         74.00         59.09         32.66         12.37         59.59           6778.00         46.97         -27.03	Freq         Level         Limit         Line         Level         Factor         Loss         Factor           MHz         dBuV/m         dB         dBuV/m         dBuV         dB/m         dB         dB         cm           38.37         25.62         -14.38         40.00         36.74         20.41         1.09         32.62            48.36         26.95         -13.05         40.00         43.27         15.12         1.22         32.66            179.85         31.74         -11.76         43.50         46.84         15.07         2.35         32.52            757.80         30.48         -15.52         46.00         30.06         28.05         4.81         32.44            843.20         31.70         -14.30         46.00         29.48         29.05         5.08         31.91            881.40         62.95         60.42         29.05         5.20         31.72            932.10         33.81         -12.19         46.00         29.83         30.01         5.32         31.35            2882.00         42.61         -31.39         74.00	Freq         Level         Limit         Line         Level         Factor         Loss         Factor           MHz         dBuV/m         dB         dBuV/m         dBuV         dB/m         dB         dB         cm         deg           38.37         25.62         -14.38         40.00         36.74         20.41         1.09         32.62             48.36         26.95         -13.05         40.00         43.27         15.12         1.22         32.66             179.85         31.74         -11.76         43.50         46.84         15.07         2.35         32.52             757.80         30.48         -15.52         46.00         30.06         28.05         4.81         32.44             843.20         31.70         -14.30         46.00         29.48         29.05         5.08         31.91             932.10         33.81         -12.19         46.00         29.83         30.01         5.32         31.35            2882.00         42.61         -31.39         74.00         59.09         32.66

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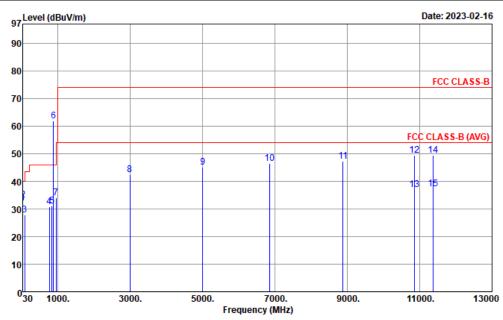
FCC EMI TEST REPORT

Test Engineer :		Temperature :	22.7~23.5°C	
	Donny rang	Relative Humidity :	58.2~59.9%	
Test Distance :	3m	Polarization :	Vertical	
_				

Report No.: FC313125-01

#6 is system simulator signal which can be ignored.

- Emission level (dBµV/m) = 20 log Emission level (µV/m)
- Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level



Site : 03CH10-HY

Condition : FCC CLASS-B 3m 9120D-1325\_221210 VERTICAL

Power : DC 12V Mode : 1

			0ver	Limit	ReadA	ntenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	33.24	32.18	-7.82	40.00	40.95	22.82	1.02	32.61			Peak
2	37.83	33.30	-6.70	40.00	44.17	20.67	1.08	32.62			Peak
3	84.00	27.94	-12.06	40.00	44.93	14.00	1.61	32.60			Peak
4	768.30	30.83	-15.17	46.00	30.30	28.07	4.84	32.38			Peak
5	840.40	31.14	-14.86	46.00	28.99	29.01	5.07	31.93			Peak
6	* 881.40	61.90			59.37	29.05	5.20	31.72			Peak
7	956.60	34.12	-11.88	46.00	28.71	31.15	5.38	31.12			Peak
8	2990.00	42.53	-31.47	74.00	62.76	29.30	9.55	59.08			Peak
9	5000.00	44.99	-29.01	74.00	58.99	33.10	12.47	59.57			Peak
10	6846.00	46.46	-27.54	74.00	56.35	35.82	14.65	60.36			Peak
11	8882.00	47.37	-26.63	74.00	53.41	37.94	16.78	60.76			Peak
12	10858.00	49.37	-24.63	74.00	51.47	39.03	18.68	59.81			Peak
13	10858.00	37.14	-16.86	54.00	39.24	39.03	18.68	59.81			Average
14	11364.00	49.40	-24.60	74.00	51.58	38.86	19.12	60.16			Peak
15	11364.00	37.18	-16.82	54.00	39.36	38.86	19.12	60.16			Average
											_

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