

RF MEASUREMENT REPORT

FCC ID: HD5-CT40L1N

Applicant: Honeywell International Inc
Honeywell Safety and Productivity Solutions

Product: DOLPHIN CT40

Model No.: CT40-L1N

Brand Name: Honeywell

FCC Classification: Part 15 Low Power Communication Device Transmitter (DXX)

FCC Rule Part(s): Part 15 Subpart C (Section 15.225)

Result: Complies

Test Date: 2022-06-07 ~ 2022-06-24

Reviewed By:

Jame Yuan

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10-2013. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2205RSU062-U1	Rev. 01	Initial Report	2022-06-25	Valid

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1. General Information

1.1. Applicant

Honeywell International Inc
Honeywell Safety and Productivity Solutions
9680 Old Baires Road, Fort Mill, SC 29707 United States

1.2. Manufacturer

Honeywell International Inc
Honeywell Safety and Productivity Solutions
9680 Old Baires Road, Fort Mill, SC 29707 United States

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory				
	Laboratory Location (Suzhou - Wuzhong)				
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China				
	Laboratory Location (Suzhou - SIP)				
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
	Laboratory Accreditations				
A2LA: 3628.01		CNAS: L10551			
FCC: CN1166		ISED: CN0001			
VCCI:	☐ R-20025	☐ G-20034	☐ C-20020	☐ T-20020	
	☐ R-20141	☐ G-20134	☐ C-20103	☐ T-20104	
☐	Test Site – MRT Shenzhen Laboratory				
	Laboratory Location (Shenzhen)				
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		CNAS: L10551		
	FCC: CN1284		ISED: CN0105		
☐	Test Site – MRT Taiwan Laboratory				
	Laboratory Location (Taiwan)				
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: L3261-190725		FCC: 291082, TW3261		
	ISED: TW3261				

1.4. Product Information

Product Name	DOLPHIN CT40
Model No.	CT40-L1N
EUT Identification No.	20220606Sample#020
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Specification	v5.0 dual mode
GSM/WCDMA/LTE Specification	GSM 850/1900 CDMA2000 BC0/BC1/BC10 WCDMA B2/4/5 LTE B2/4/5/7/12/13/17/25/26/38/41
SRD Specification	NFC 13.56MHz
Accessories	
USB Adapter	Model No.: ADS-12B-06 05010E Input Power: 100 - 240V ~ 50/60Hz, Max. 0.3A Output Power: 5VDC 2.0A
Snap-on Adapter	Model No.: CT40-SN
Battery	Model No.: CT50-BTSC Capacitance: 15.5Wh, 4090mAh Rated Voltage: 3.8V Limit Charge Voltage: 4.36V
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	13.56MHz
Channel Number	1
Type of modulation	ASK
Antenna Type	Loop Antenna

Note: For other features of this EUT, test report will be issued separately.

2. Test Configuration

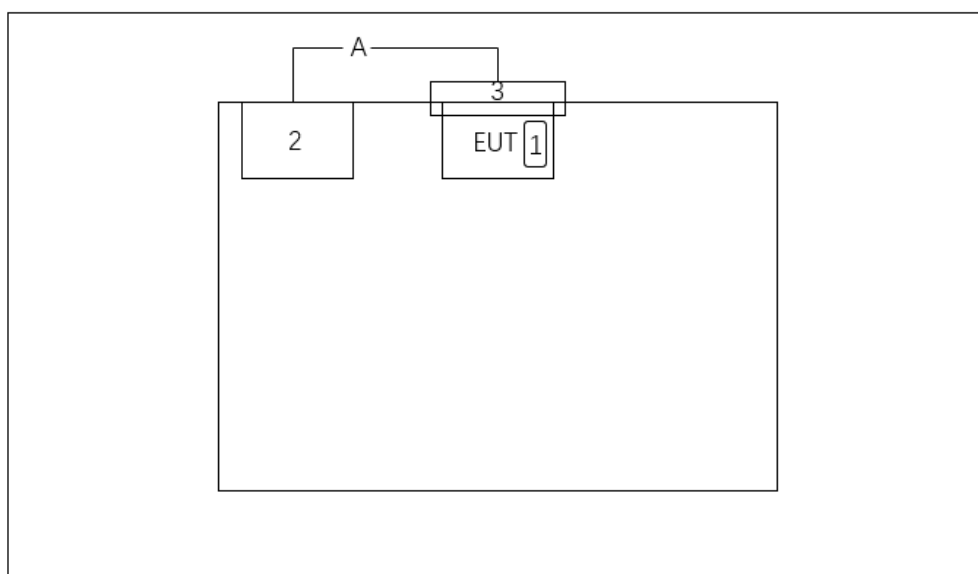
2.1. Test Mode

Mode 1: Make the EUT read the tag via NFC

2.2. Test Configuration and Software

The device was tested per the guidance ANSI C63.10-2013 that was used to reference the appropriate EUT setup for radiated spurious emissions and AC line conducted emission testing.

Mode 1



Cable Type		Cable Description	
A	USB Cable	Shielded, 1.2 m	
Product		Manufacturer	Model No.
1	NFC card	N/A	N/A
2	USB Adapter	SHENZHEN HONOR ELECTRONIC CO., LTD	ADS-12B-06 05010E
3	Snap-on Adapter	Honeywell	CT40-SN

2.3. Applied Standards

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

- FCC Part 15.225
- ANSI C63.10-2013

2.4. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~75 %RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the this device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument Name	Manufacturer	Model No.	Asset No.	Cali. Interval	Cal. Due Date	Test Site
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2023-06-04	WZ-SR2
Shielding Room	MIX-BEP	WZ-SR2	MRTSUE06215	N/A	N/A	WZ-SR2
Thermohygrometer	testo	608-H1	MRTSUE06404	1 year	2023-06-06	WZ-SR2
EMI Test Receiver	R&S	ESR3	MRTSUE06909	1 year	2022-11-01	WZ-SR2
Thermohygrometer	testo	Testo 608-H1	MRTSUE11039	1 year	2022/11/11	WZ-AC1
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2022-12-29	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2022-08-05	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2023-04-21	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE06403	1 year	2023-06-06	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2022-12-29	WZ-AC1
Thermohygrometer	testo	Testo 608-H1	MRTSUE11039	1 year	2022-11-11	WZ-AC1
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2022-10-28	WZ-AC1
Temperature Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2022-10-10	WZ-TR3
Thermohygrometer	testo	608-H1	MRTSUE06401	1 year	2023-06-06	WZ-TR3
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2022-12-29	WZ-TR3

Software	Version	Function
EMI Software	V3.0.0	EMI Test Software

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

AC Conducted Emission Measurement
Measurement Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz~150kHz: 3.74dB 150kHz~30MHz: 3.44dB
Radiated Disturbance
Measurement Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): Horizontal: 9kHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 9kHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB

6. Test Result

6.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result	Reference
15.225 (a), (b), (c)	In-Band Emission	Radiated	Pass	Section 6.2
15.225(d)	Out-Band Emission		Pass	Section 6.3
15.215(c)	20dB Bandwidth		Pass	Section 6.4
15.225(e)	Frequency Stability Tolerance		Pass	Section 6.5
15.207	AC Conducted Emissions 150kHz - 30MHz	Line Conducted	Pass	Section 6.6

Note: For radiated emission test, every axis (X, Y, Z) was also verified. The test results shown in the following sections represent the worst-case emissions.

6.2. In-band Emission Measurement

6.2.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.225		
Frequency (MHz)	Distance (m)	Level (μV/m)
13.553 ~13.567	30	15848
13.410 ~13.553, 13.567 ~13.710	30	334
13.110 ~13.410, 13.710 ~14.010	30	106
Note 1: The lower limit shall apply at the transition frequency. Note 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. Note 3: E field strength (dBμV/m) = 20 log E field strength (μV/m)		

6.2.2. Test Procedure

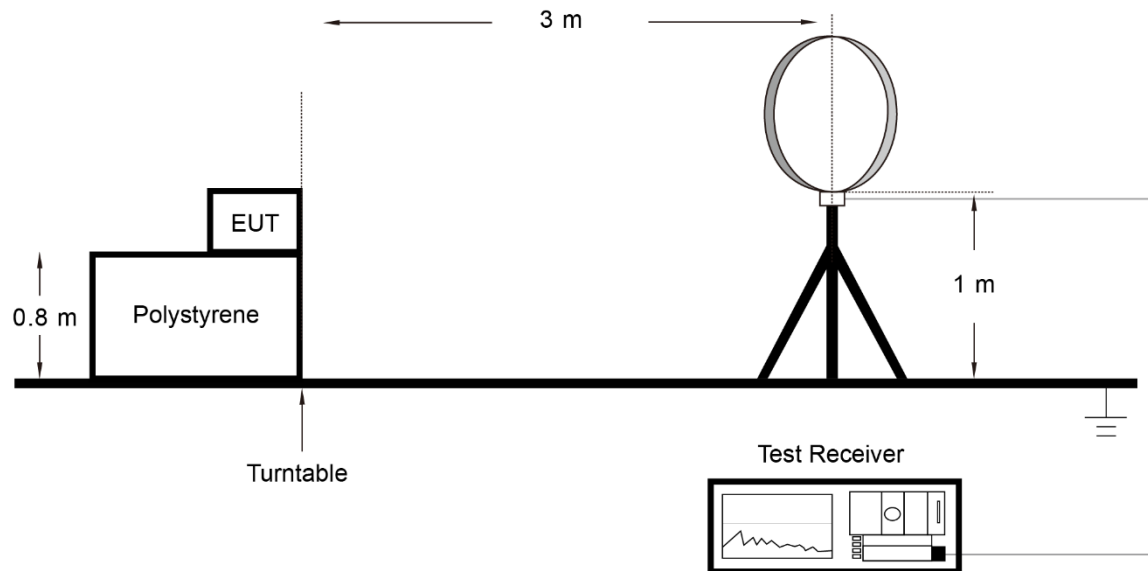
ANSI C63.10-2013 - Section 6.4.7

6.2.3. Test Setting

1. RBW = 9kHz
2. VBW = 3 * RBW
3. Detector = Peak
4. Trace mode = Max hold
5. Sweep = Auto couple
6. Allow the trace to stabilize

6.2.4. Test Setup

9kHz ~ 30MHz Test Setup:



6.2.5. Test Result

Refer to Appendix A.1.

6.3. Out-band Emission Measurement

6.3.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Distance (m)	Level ($\mu\text{V/m}$)
0.009 - 0.490	300	2400/F (kHz)
0.490 - 1.705	30	24000/F (kHz)
1.705 - 30	30	30
30 - 88	3	100
88 - 216	3	150
216 - 960	3	200
Above 960	3	500

Note 1: The lower limit shall apply at the transition frequency.

Note 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.

Note 3: $E \text{ field strength (dB}\mu\text{V/m)} = 20 \log E \text{ field strength (}\mu\text{V/m)}$

6.3.2. Test Procedure

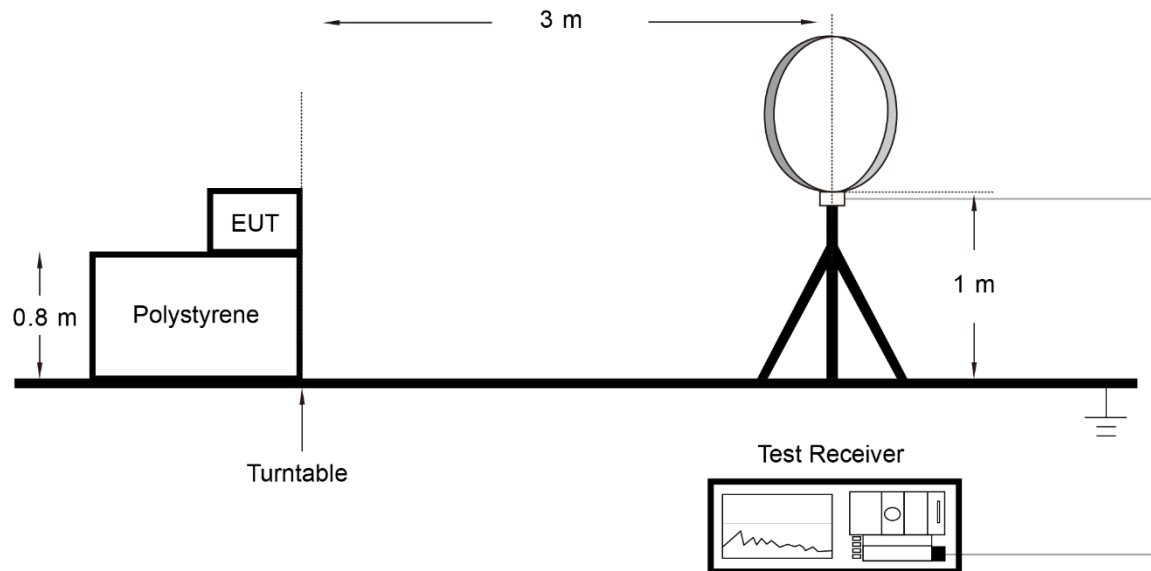
ANSI C63.10-2013 - Section 6.5.4

6.3.3. Test Setting

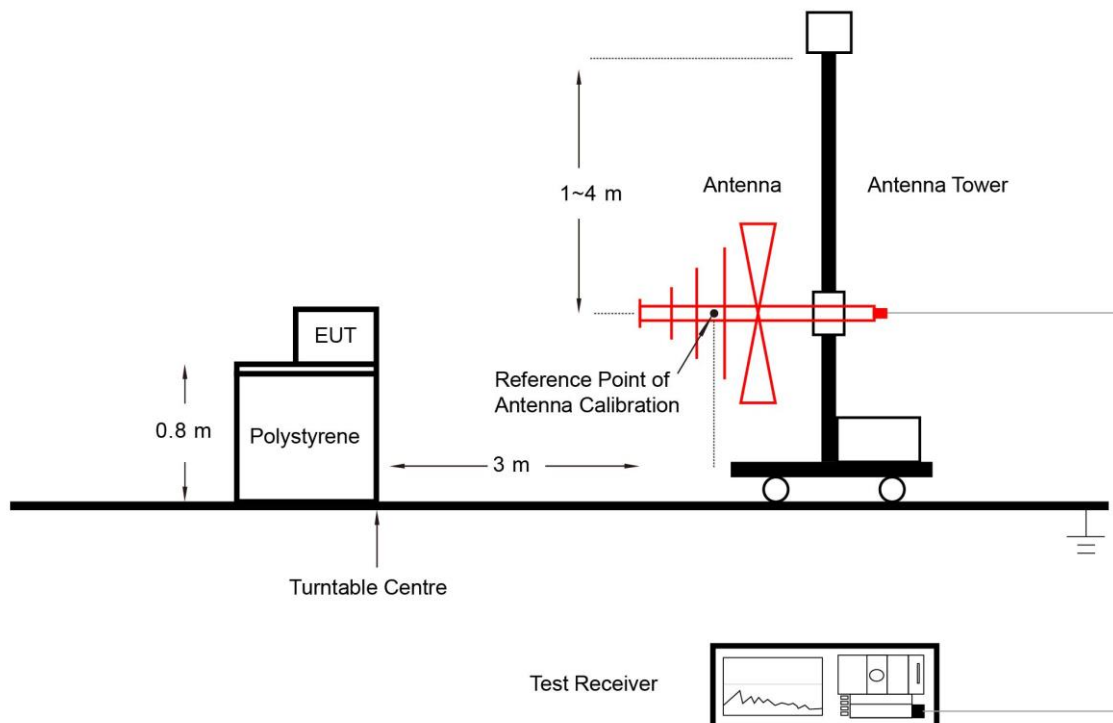
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 9kHz for emission below 30MHz and 100kHz for emission between 30MHz and 1GHz
3. VBW = 3 * RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize

6.3.4. Test Setup

9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



6.3.5. Test Result

Refer to Appendix A.2.

6.4. Occupied Bandwidth Measurement

6.4.1. Test Limit

The occupied bandwidth is measured with a spectrum analyzer connected to the receive antenna while the EUT is operating in transmission mode at the appropriate frequency.

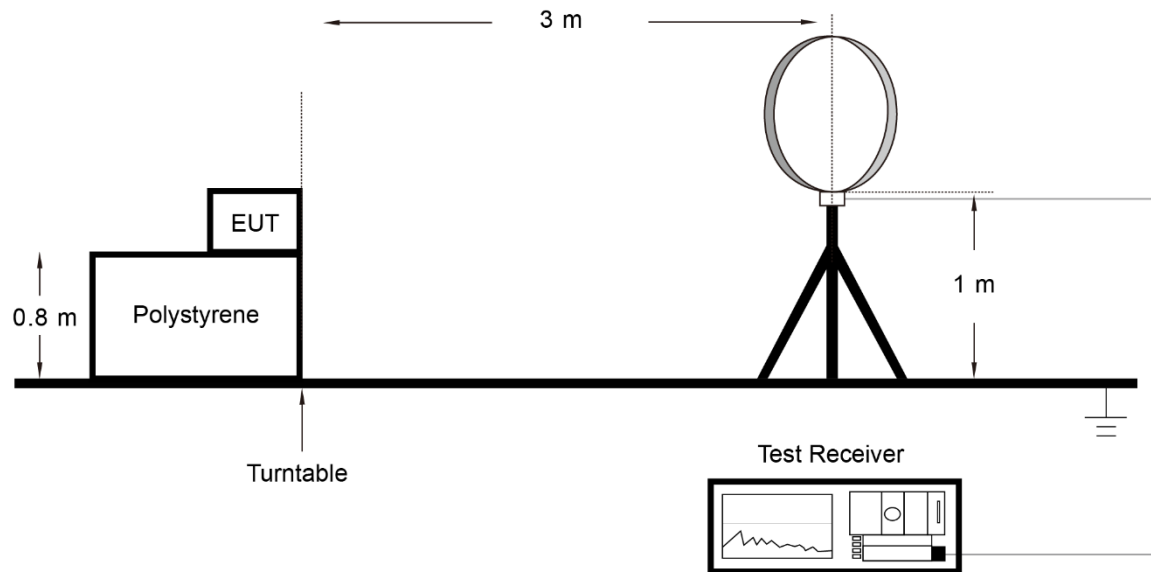
6.4.2. Test Procedure

ANSI C63.10-2013 - Section 6.9.2

6.4.3. Test Setting

1. Set RBW $\geq$ 1% to 5% of the 20dB bandwidth
2. VBW = approximately three times RBW
3. Span = approximately 2 to 5 times the 20dB bandwidth
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20 dB relative to the maximum level measured in the fundamental emission.

6.4.4. Test Setup



6.4.5. Test Result

Refer to Appendix A.3.

6.5. Frequency Tolerance Measurement

6.5.1. Test Limit

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency.

6.5.2. Test Procedure

ANSI C63.10-2013 - Section 6.8

6.5.3. Test Setting

Frequency Stability Under Temperature Variations:

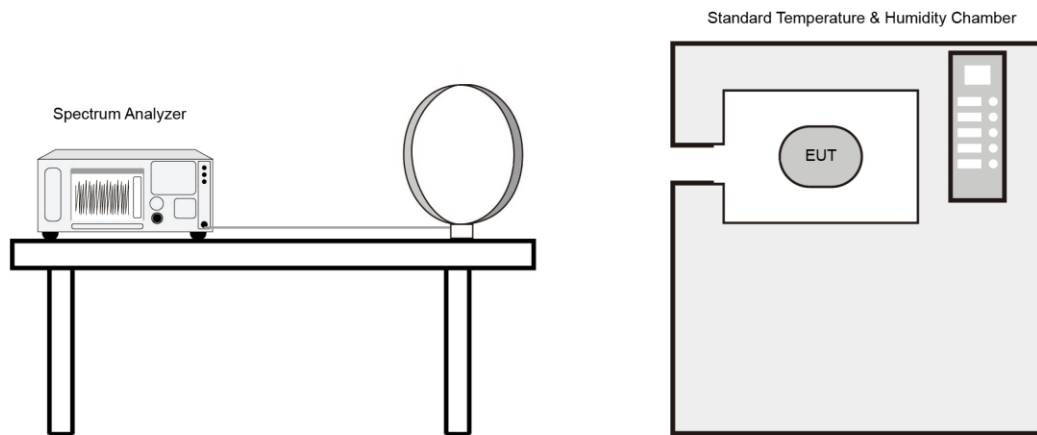
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change. For hand-carried battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

6.5.4. Test Setup



6.5.5. Test Result

Refer to Appendix A.4.

6.6. AC Conducted Emissions Measurement

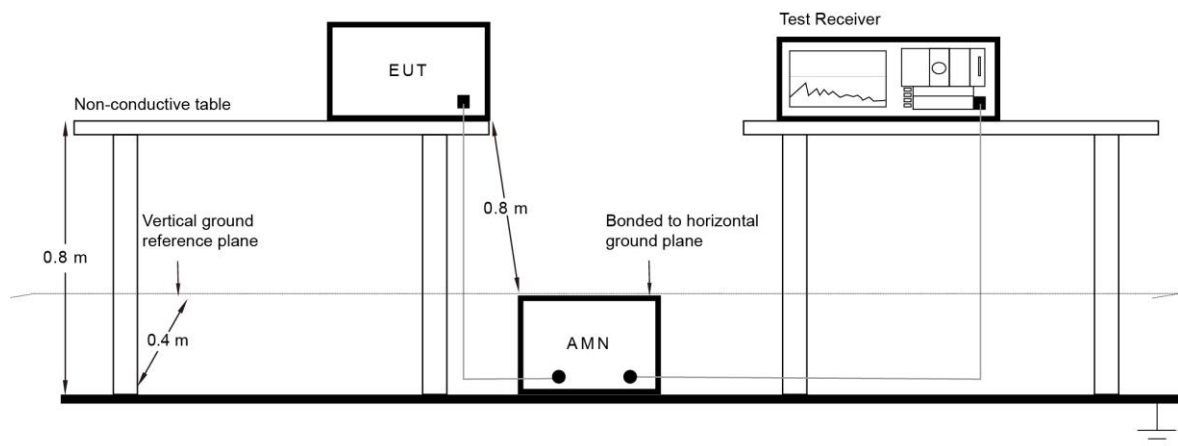
6.6.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

6.6.2. Test Setup



6.6.3. Test Result

Refer to Appendix A.5.

Appendix A - Test Result

A.1 In-band Emission Test Result

Test Engineer	Hyde Yu	Test Date	2022/06/07
Test Mode	Mode 1	Test Site	WZ-AC1

Frequency (MHz)	Reading Level (dBμV/m)	Factor (dB)	Measure Level (dBμV/m)	Limit (@3m) (dBμV/m)	Margin [dB]
Coaxial					
13.350	13.098	17.038	30.136	80.506	-50.370
13.454	15.869	17.036	32.905	90.488	-57.583
13.560	31.304	17.034	48.338	123.999	-75.661
13.663	16.448	17.032	33.480	90.488	-57.008
13.773	13.501	17.030	30.531	80.506	-49.975
Coplanar					
13.350	11.285	17.038	28.323	80.506	-52.183
13.445	11.452	17.036	28.488	90.488	-62.000
13.561	27.678	17.034	44.712	123.999	-79.287
13.657	13.811	17.032	30.843	90.488	-59.645
13.771	13.199	17.030	30.229	80.506	-50.277

Note

1. All measurements were performed using a loop antenna. The antenna was positioned in two orthogonal (coaxial and coplanar) and the position with the highest emission level was recorded.
2. Measurements were tested at 3m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear extrapolation factor (40 dB/decade) as specified in &15.31(f)(2).

$$\text{Extrapolation Factor} = 20 \cdot \log(30/3)^2 = 40 \text{ dB}$$

$$\text{For example, Limit (@3m)} = 20 \cdot \log(106) + 40 = 80.506 \text{ dB}\mu\text{V/m}$$
3. All measurements were recorded using an EMI test receiver employing a peak detector.

A.2 Out-Band Emission Test Result

Test Engineer	Hyde Yu	Test Date	2022/06/07
Test Mode	Mode 1	Test Site	WZ-AC1

Out-Band Emission Below 30MHz						
Frequency (MHz)	Reading Level (dBμV/m)	Factor (dB)	Measure Level (dBμV/m)	Limit(@3m) (dBμV/m)	Margin (dB)	Detector
Coaxial						
1.463	16.114	17.495	33.609	64.299	-30.690	Peak
Coplanar						
1.478	17.891	17.494	35.385	64.211	-28.826	Peak

Out-Band Emission Above 30MHz							
Polarization	Frequency (MHz)	Reading Level (dBμV/m)	Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
H	40.670	1.899	17.803	19.702	40.000	-20.298	Peak
H	46.975	-1.616	18.814	17.198	40.000	-22.802	Peak
H	54.735	-1.362	18.232	16.870	40.000	-23.130	Peak
H	67.345	2.125	16.468	18.593	40.000	-21.407	Peak
H	104.205	-0.340	13.668	13.328	43.500	-30.172	Peak
H	110.995	-0.676	14.498	13.822	43.500	-29.678	Peak
V	36.790	0.947	17.247	18.194	40.000	-21.806	Peak
V	40.670	12.242	17.803	30.045	40.000	-9.955	Peak
V	55.705	-1.446	18.165	16.719	40.000	-23.281	Peak
V	67.345	6.026	16.468	22.494	40.000	-17.506	Peak
V	94.505	2.158	12.274	14.432	43.500	-29.068	Peak
V	115.845	-1.445	14.951	13.506	43.500	-29.994	Peak

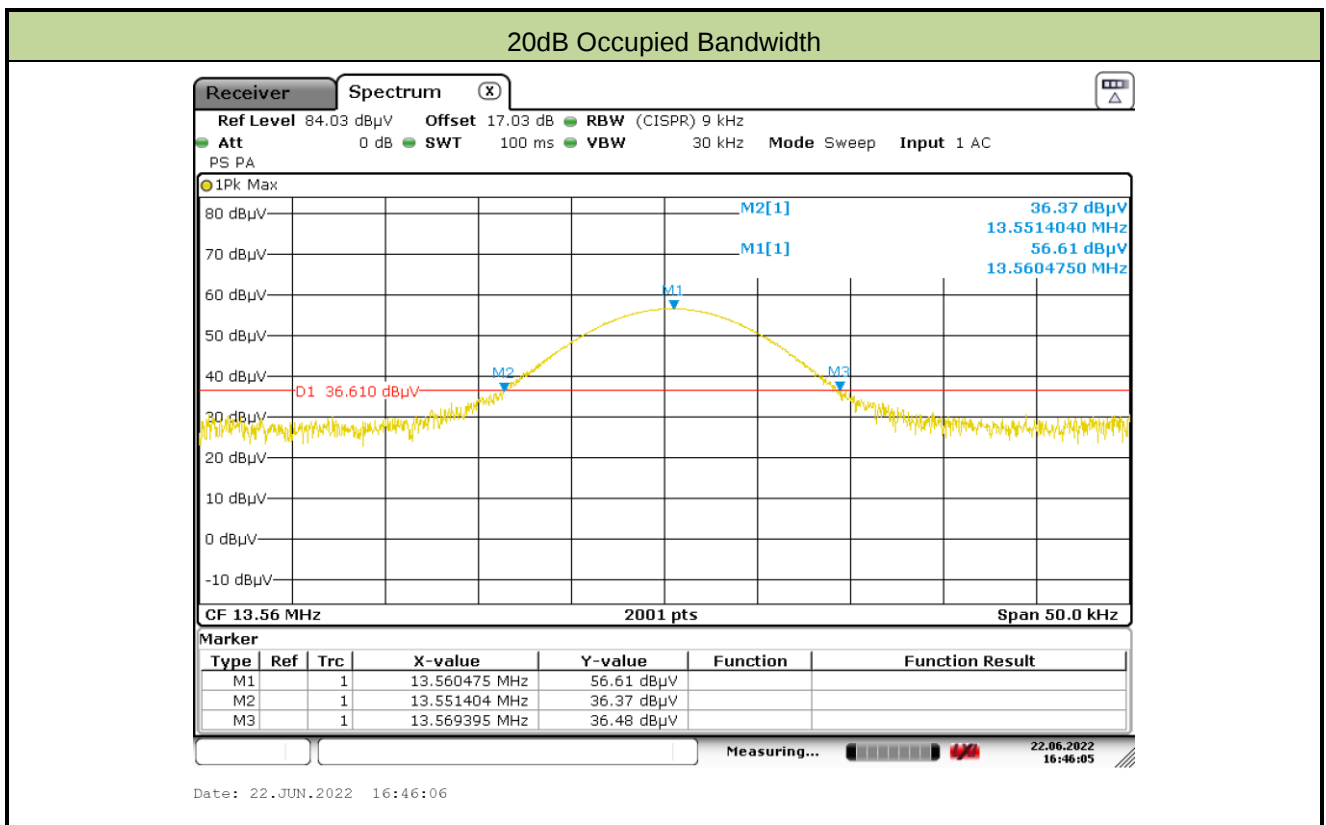
Note

- Below 30MHz measurement was performed using a loop antenna. The antenna was positioned in two orthogonal (coaxial and coplanar) and the position with the highest emission level was recorded.
- Measurements were tested at 3m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear extrapolation factor (40 dB/decade) as specified in &15.31(f)(2).
Extrapolation Factor = $40 \times \log(30/3)^2 = 40$ dB
For example, Limit (@3m) = $20 \times \log(16.405) + 40 = 64.299$ dBμV/m
- All measurements were recorded using an EMI test receiver employing a peak detector.

A.3 Occupied Bandwidth Test Result

Test Engineer	Hyde Yu	Test Date	2022/06/22
Test Mode	Mode 1	Test Site	WZ-AC1

Frequency (MHz)	20dB Occupied Bandwidth (kHz)
13.56	17.991



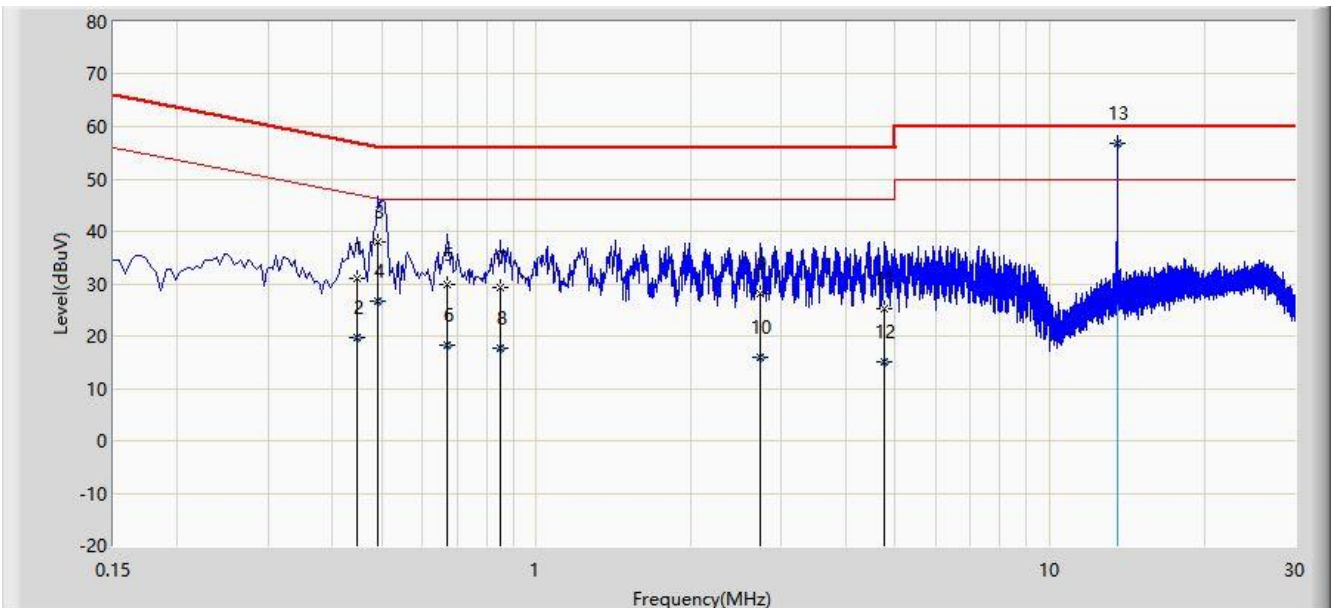
A.4 Frequency Stability Tolerance Test Result

Test Engineer	Hyde Yu	Test Date	2022/06/07
Test Mode	Mode1	Test Site	WZ-TR3

Reference Voltage: 3.80V			
Deviation Limit: +/- 0.01% = +/- 1356Hz			
Voltage (%)	Power Battery	Temp (°C)	Frequency Deviation (Hz)
100	3.80V	-20	159
		-10	337
		0	-581
		+10	482
		+20	544
		+30	320
		+40	-619
		+50	763
Battery Upper	3.50V	+ 20	-385
Battery End Point	4.30V	+ 20	-226

A.5 AC Conducted Emissions Test Result

Site: WZ-SR2	Time: 2022/06/15 - 13:24
Temperature: 22°C	Humidity: 54.7%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Alin Zhou
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: DOLPHIN CT40	Power: AC 120V/60Hz
Test Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.446	31.020	21.103	-25.930	56.949	9.916	QP
2		0.446	19.600	9.684	-27.349	46.949	9.916	AV
3	*	0.490	38.114	28.195	-18.054	56.168	9.919	QP
4		0.490	26.682	16.763	-19.486	46.168	9.919	AV
5		0.670	29.976	20.049	-26.024	56.000	9.927	QP
6		0.670	18.218	8.291	-27.782	46.000	9.927	AV
7		0.850	29.154	19.215	-26.846	56.000	9.939	QP
8		0.850	17.585	7.645	-28.415	46.000	9.939	AV
9		2.730	28.216	18.111	-27.784	56.000	10.105	QP
10		2.730	15.849	5.745	-30.151	46.000	10.105	AV
11		4.774	25.345	14.866	-30.655	56.000	10.479	QP
12		4.774	14.967	4.487	-31.033	46.000	10.479	AV
13		13.558	56.733	45.778	NaN	NaN	10.955	PK

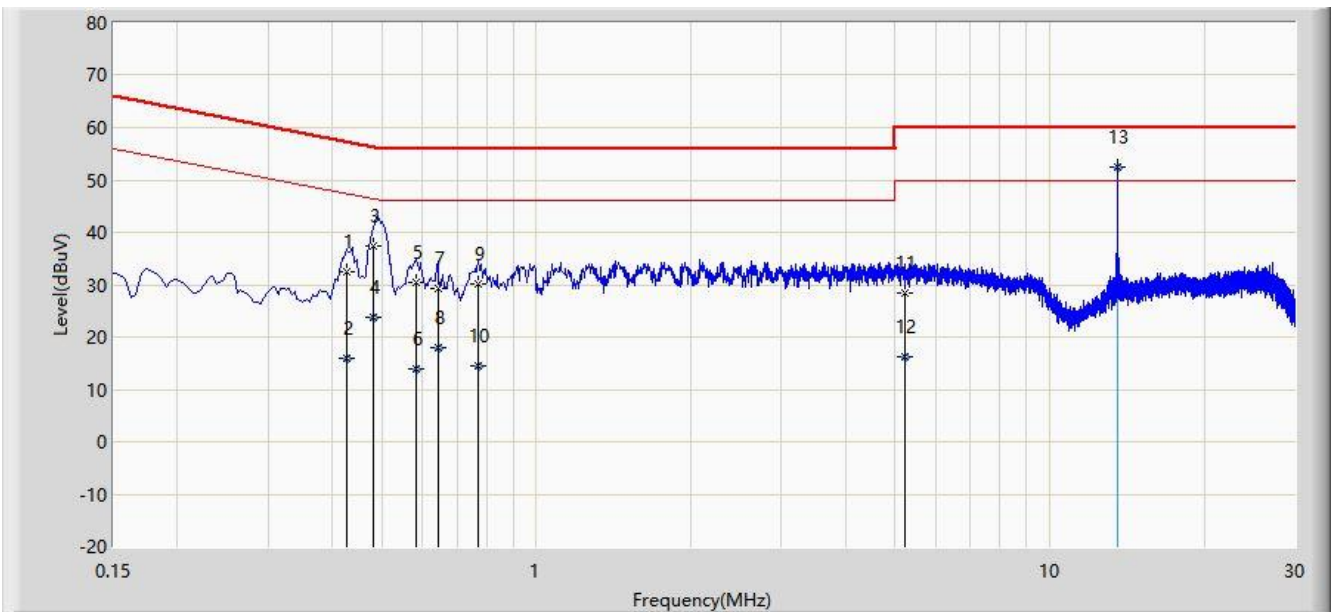
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Note 4: It is authenticated that the point (13) is NFC signal, so we can't take it as a reference.

Site: WZ-SR2	Time: 2022/06/15 - 13:32
Temperature: 22°C	Humidity: 54.7%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Alin Zhou
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: DOLPHIN CT40	Power: AC 120V/60Hz
Test Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.426	32.484	22.559	-24.846	57.330	9.925	QP
2		0.426	16.054	6.130	-31.276	47.330	9.925	AV
3	*	0.482	37.462	27.533	-18.850	56.312	9.929	QP
4		0.482	23.904	13.976	-22.408	46.312	9.929	AV
5		0.582	30.437	20.500	-25.563	56.000	9.937	QP
6		0.582	14.015	4.078	-31.985	46.000	9.937	AV
7		0.642	29.318	19.375	-26.682	56.000	9.943	QP
8		0.642	18.095	8.151	-27.905	46.000	9.943	AV
9		0.770	30.123	20.172	-25.877	56.000	9.951	QP
10		0.770	14.558	4.607	-31.442	46.000	9.951	AV
11		5.226	28.469	17.925	-31.531	60.000	10.544	QP
12		5.226	16.162	5.618	-33.838	50.000	10.544	AV
13		13.558	52.433	41.468	NaN	NaN	10.965	PK

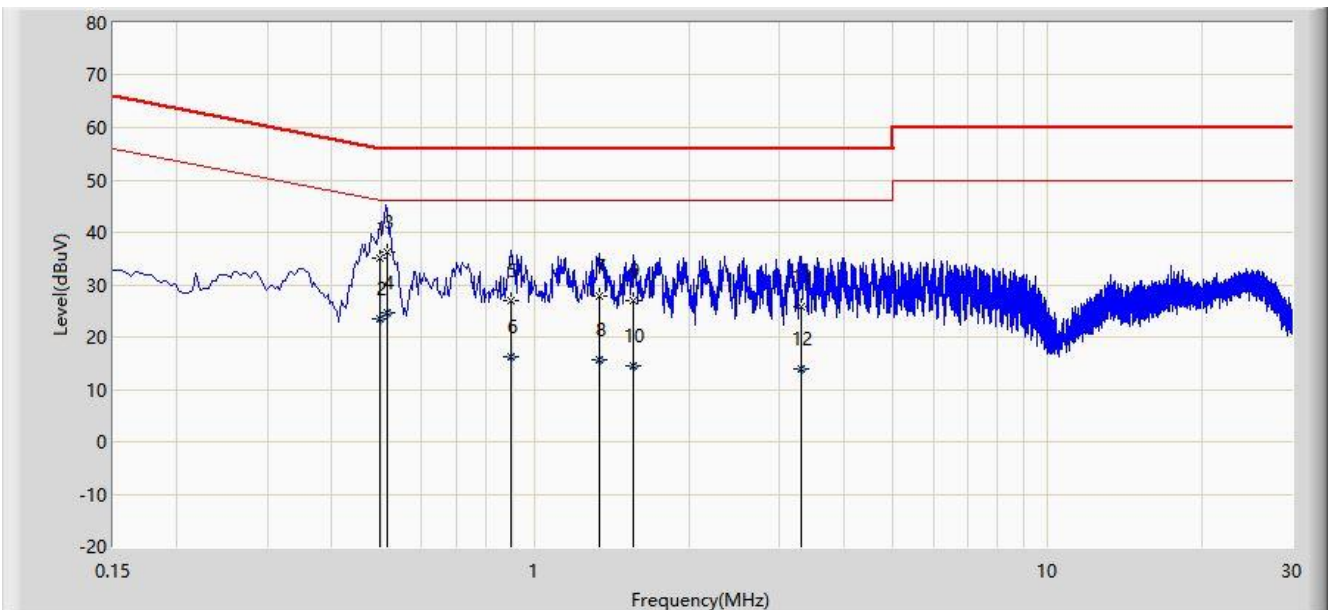
Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Note 4: It is authenticated that the point (13) is NFC signal, so we can't take it as a reference.

Site: WZ-SR2	Time: 2022/06/24 - 15:25
Temperature: 21°C	Humidity: 66.2%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Alin Zhou
Probe: ENV216_101683_Filter Off_E	Polarity: Line
EUT: DOLPHIN CT40	Power: AC 120V/60Hz
Note: NFC Antenna port terminated	



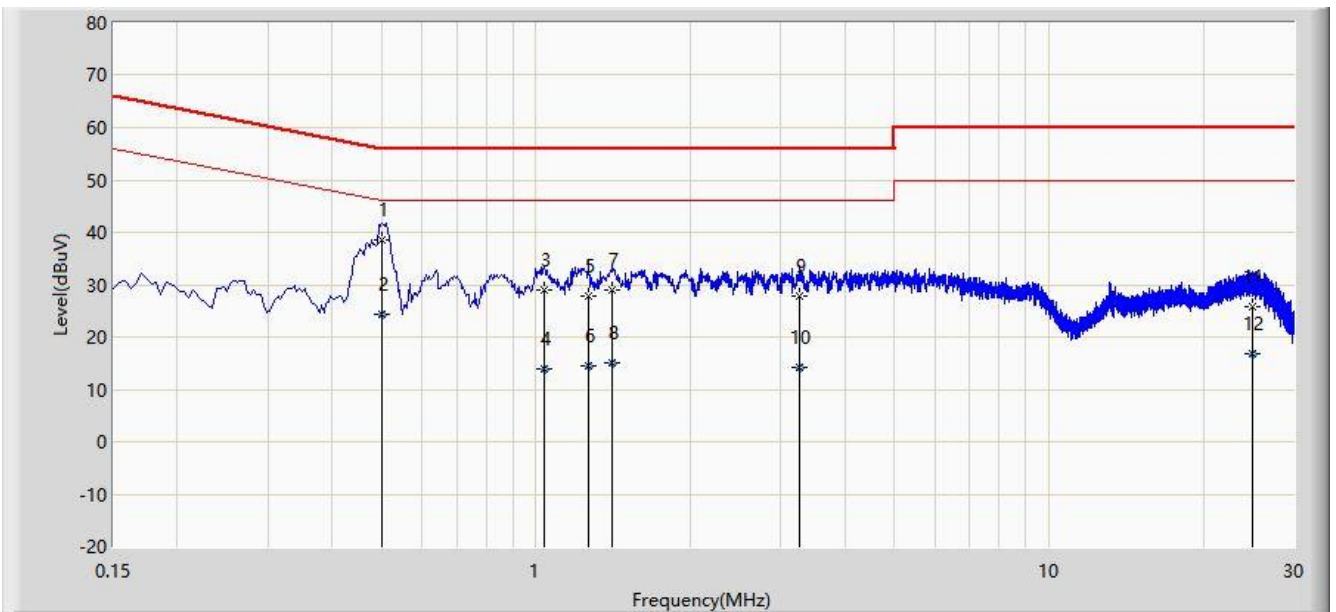
No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1		0.498	35.022	25.102	-21.011	56.033	9.920	QP
2		0.498	23.589	13.669	-22.445	46.033	9.920	AV
3	*	0.514	36.246	26.325	-19.754	56.000	9.921	QP
4		0.514	24.688	14.767	-21.312	46.000	9.921	AV
5		0.894	27.060	17.118	-28.940	56.000	9.943	QP
6		0.894	16.281	6.339	-29.719	46.000	9.943	AV
7		1.330	27.843	17.886	-28.157	56.000	9.957	QP
8		1.330	15.552	5.595	-30.448	46.000	9.957	AV
9		1.554	27.082	17.121	-28.918	56.000	9.961	QP
10		1.554	14.603	4.642	-31.397	46.000	9.961	AV
11		3.310	25.901	15.690	-30.099	56.000	10.210	QP
12		3.310	13.840	3.629	-32.160	46.000	10.210	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Site: WZ-SR2	Time: 2022/06/24 - 15:31
Temperature: 21°C	Humidity: 66.2%
Limit: FCC_Part15.207_CE_AC Power	Engineer: Alin Zhou
Probe: ENV216_101683_Filter Off_E	Polarity: Neutral
EUT: DOLPHIN CT40	Power: AC 120V/60Hz
Note: NFC Antenna port terminated	



No	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1	*	0.502	38.438	28.508	-17.562	56.000	9.930	QP
2		0.502	24.458	14.528	-21.542	46.000	9.930	AV
3		1.038	28.941	18.980	-27.059	56.000	9.961	QP
4		1.038	13.909	3.948	-32.091	46.000	9.961	AV
5		1.266	27.899	17.931	-28.101	56.000	9.968	QP
6		1.266	14.608	4.640	-31.392	46.000	9.968	AV
7		1.410	28.892	18.919	-27.108	56.000	9.973	QP
8		1.410	15.044	5.071	-30.956	46.000	9.973	AV
9		3.262	27.803	17.586	-28.197	56.000	10.216	QP
10		3.262	14.161	3.944	-31.839	46.000	10.216	AV
11		24.974	25.767	13.868	-34.233	60.000	11.898	QP
12		24.974	16.878	4.979	-33.122	50.000	11.898	AV

Note 1: " * ", means this data is the worst emission level.

Note 2: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB).

Note 3: Factor (dB) = Cable Loss (dB) + LISN Factor (dB).

Appendix B - Test Setup Photograph

Refer to “2205RSU062-UT” file.

Appendix C - EUT Photograph

Refer to “2205RSU062-UE” file.

The End
