
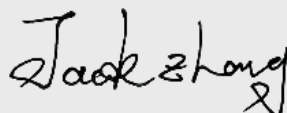




Test report No:
2320346R-RF-US-P06V01

FCC C2PC TEST REPORT

Product Name	Docking Station (Triple)
Trademark	Datalogic
Model and /or type reference	DL363SD
FCC ID	U4GDL363SD
Applicant's name / address	Datalogic S.r.l. Via San Vitalino no.13,Calderara di Reno -40012(BO)-Italy
Test method requested, standard	CFR 47, FCC Part 15 C ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Jun Xu/ Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Manager 
Date of issue	2023-04-26
Report Version	V1.1
Report template No	Template_FCC Part 15C-RF-V1.0

INDEX

	page
General conditions	4
Environmental conditions	4
Possible test case verdicts	5
Abbreviations.....	5
Document History.....	6
Remarks and Comments	6
Used Equipment.....	7
Uncertainty	8
1 General Information	9
1.1 General Description of the Item(s).....	9
1.2 Antenna Information	10
1.3 Channel List.....	11
2 Description of Test Setup.....	12
2.1 Operating mode(s) used for tests	12
2.2 Auxiliary equipment / Test software for the EUT	12
2.3 Test Configuration / Block diagram used for tests.....	13
2.4 Testing process	14
3 Verdict summary section.....	15
3.1 Standards	15
3.2 Deviation(s) from the Standard(s) / Test Specification(s).....	15
3.3 Overview of results	16
3.4 Test Facility.....	17
4 Test Results	18
4.1 AC Power Line Conducted Emission.....	18
4.1.1 Limit	18
4.1.2 Test Setup	18
4.1.3 Test Procedure	18
4.1.4 Test Data	19
4.2 Radiated emission	21
4.2.1 Limit	21
4.2.2 Test Setup	22
4.2.3 Test Procedure	22
4.2.4 Test Data	23
4.3 20dB Bandwidth.....	29

4.3.1	Limit	29
4.3.2	Test Setup	29
4.3.3	Test Procedure	29
4.3.4	Test Data	30
4.4	Antenna Requirement.....	31
4.4.1	Limit:.....	31
4.4.2	Antenna Connector Construction:	31
5	Test setup photo and EUT Photo	32

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.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

GENERAL CONDITIONS

Test Location	No. 99, Hongye Road, Suzhou Industrial Park Suzhou, 215006, P.R. China
Date(receive sample)	Feb. 10, 2023
Date (start test)	Feb. 15, 2023
Date (finish test)	Mar. 05, 2023

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or Competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA.

ENVIRONMENTAL CONDITIONS

The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment. The climatic conditions during the tests were within the following limits:

Ambient temperature	15 °C – 35 °C
Relative Humidity air	30% - 60%

If explicitly required in the basic standard or applied product / product family standard the climatic values are recorded and documented separately in this test report.

POSSIBLE TEST CASE VERDICTS

Test case does not apply to test object	N/A
Test object does meet requirement	P (Pass) / PASS
Test object does not meet requirement	F (Fail) / FAIL
Not measured	N/M

ABBREVIATIONS

For the purposes of the present document, the following abbreviations apply:

EUT	: Equipment Under Test
QP	: Quasi-Peak
CAV	: CISPR Average
AV	: Average
CDN	: Coupling Decoupling Network
SAC	: Semi-Anechoic Chamber
OATS	: Open Area Test Site
BW	: Bandwidth
AM	: Amplitude Modulation
PM	: Pulse Modulation
HCP	: Horizontal Coupling Plane
VCP	: Vertical Coupling Plane
U_N	: Nominal voltage
T_x	: Transmitter
R_x	: Receiver
N/A	: Not Applicable
N/M	: Not Measured

DOCUMENT HISTORY

Report No.	Version	Description	Issued Date
2320346R-RF-US-P06V01	V1.0	Initial issue of report.	2023-03-31
2320346R-RF-US-P06V01	V1.1	Page23/24 Add note. (The test report No.: 2320346R-RF-US-P06V01 V1.1 is to replace the test report No.: 2320346R-RF-US-P06V01 V1.0, and test report 2320346R-RF-US-P06V01 is obsoleted.)	2023-04-26

REMARKS AND COMMENTS

- The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
- This report is based on 2250715R-RF-US-P06V01, The customer changed the non -RF circuit, and we evaluated all the tests for the new sample. These test results on a sample of the device are for the purpose of demonstrating Compliance with CFR 47, FCC Part 15 C .
- The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to account the uncertainty associated with the measurement result.
- The test results presented in this report relate only to the object tested.
- The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
- This report will not be used for social proof function in China market.
- DEKRA declines any responsibility with the following test data provided by customer that may affect the validity of result:
 - Chapter 1.1 General Description of the Item(s);
 - Chapter 1.2 Antenna Informaion;
 - Chapter 1.3 Channel List.

USED EQUIPMENT

AC Power Line Conducted Emission / TR1

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESR7	102086	2023.02.25	2024.02.24
Two-Line V-Network	R&S	ENV216	101190	2023.01.07	2024.01.06
Two-Line V-Network	R&S	ENV216	101044	2023.01.07	2024.01.06
Current Probe	R&S	EZ-17	100678	2023.01.13	2024.01.12
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2022.07.07	2023.07.06
Coaxial Cable	Suhner	RG 223	TR1-C1	2022.03.30	2023.03.29
Dekra test software	Dekra	-	-	-	-

Radiated Emission(9KHz-1GHz) / AC3

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2022.09.17	2023.09.16
Bilog Antenna	Teseq GmbH	CBL6112D	27613	2022.08.28	2023.08.27
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2022.07.07	2023.07.06
Coaxial Cable	Huber+Suhner	RG 214	AC2-C	2022.03.30	2023.03.29
Loop Antenna	R&S	HFH2-Z2	833799/003	2022.04.15	2023.04.14
Dekra test software	Dekra	-	-	-	-

UNCERTAINTY

Uncertainties have been calculated according to the DEKRA internal document. The reported expanded uncertainties are based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95% .

Test item	Uncertainty
AC Power Line Conducted Emission	150kHz~30MHz: 2.40dB
Radiated Emission(9KHz~30MHz)	Horizontal: 9KHz~30MHz: 2.10 dB Vertical: 30MHz~200MHz: 2.30 dB
Radiated Emission(30MHz~1GHz)	Horizontal: 30MHz~200MHz: 3.50 dB 300MHz~1GHz: 3.60 dB Vertical: 30MHz~200MHz: 3.60 dB 300MHz~1GHz: 3.50 dB
Occupied Bandwidth	$\pm 150\text{Hz}$

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name	Docking Station (Triple)
Model No.	DL363SD
Trademark	Datalogic
FCC ID	U4GDL363SD
Manufacturer	Datalogic S.r.l.
Manufacturer address	Via San Vitalino no.13,Calderara di Reno -40012(BO)-Italy
Factory	Rohotek (shenzhen) Technology Co.,Ltd.
address.....	Room 3-1802, Building T3, Haigu Science and Technology Building, Luozu Community, Shiyan Street, Baoan District, Shenzhen City, Guangdong Province

Operating Frequency Range.....	119-140KHz
Type of Modulation.....	ASK
Number of Channel	1
Operating Temperature Range	0°C ~ 40 °C

Rated power supply	Voltage and Frequency	
	<input type="checkbox"/>	AC: 220 – 240 V, 50 / 60 Hz,
	<input type="checkbox"/>	AC: 100 – 240 V, 50 / 60 Hz
	<input checked="" type="checkbox"/>	DC: 12 V
	<input checked="" type="checkbox"/>	Adapter:
Adapter	Model: EA10681N-120	
	INPUT: 100-240VAC, 2A,50-60Hz; OUTPUT: 12VDC,5A, 60W	
Mounting position	<input checked="" type="checkbox"/>	Table top equipment
	<input type="checkbox"/>	Wall/Ceiling mounted equipment
	<input type="checkbox"/>	Floor standing equipment
	<input type="checkbox"/>	Hand-held equipment
	<input type="checkbox"/>	Other: vehicle-mounted equipment
Test perimeter	Product Name:MOBILE COMPITER Model:MEMOR 10 FCC ID: U4GDL35US IC:3862E-DL35US	

1.2 Antenna Information

Antenna model / type number	N/A		
Antenna serial number	N/A		
Antenna Delivery	<input checked="" type="checkbox"/>	1TX + 1RX	
	<input type="checkbox"/>	2TX + 2RX	
	<input type="checkbox"/>	Others:.....	
Antenna technology	<input checked="" type="checkbox"/>	SISO	
	<input type="checkbox"/>	MIMO	<input type="checkbox"/> CDD
			<input type="checkbox"/> Beam-forming
Antenna Type	<input type="checkbox"/>	External	<input type="checkbox"/> Dipole
			<input type="checkbox"/> Sectorized
			<input type="checkbox"/> Ceramic Chip
	<input checked="" type="checkbox"/>	Internal	<input type="checkbox"/> PIFA
			<input type="checkbox"/> PCB
			<input checked="" type="checkbox"/> Others: Coil antenna
Antenna Gain	N/A		

1.3 Channel List

Working Frequency of Each Channel:							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
01	131.0 kHz	--	--	--	--	--	--
--	--	--	--	--	--	--	--

Note: The General Description of the Item , antenna information and Channel List for the EUT in clause 1 are provided and confirmed by the client.

2 DESCRIPTION OF TEST SETUP

2.1 Operating mode(s) used for tests

During the tests the following operating mode(s) has(have) been used.

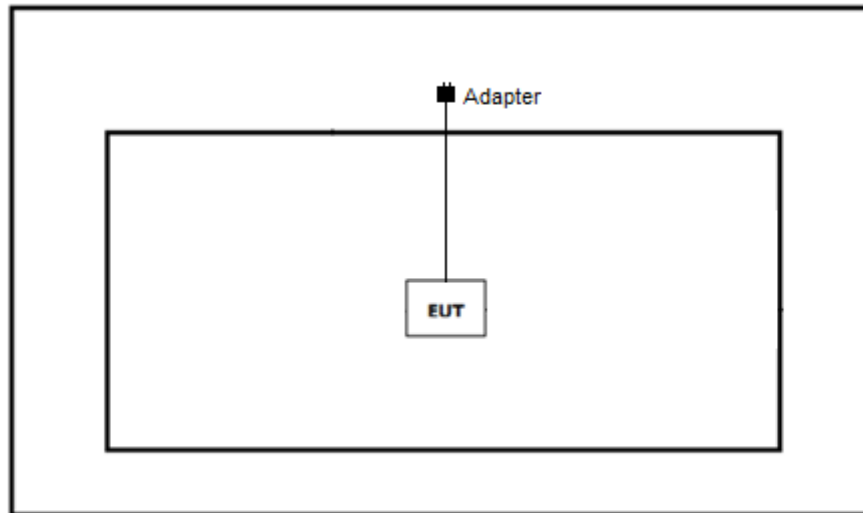
Test Mode For WPT	Mode 1: Transmit
-------------------	------------------

2.2 Auxiliary equipment / Test software for the EUT

Auxiliary equipment	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A
software	Type / Version	Manufacturer	Supplied by
N/A	N/A	N/A	N/A

2.3 Test Configuration / Block diagram used for tests

Test setup Diagram- Radiated Test



2.4 Testing process

1	Setup the EUT as shown in Section 2.3.
2	Turn on the power of equipment.
3	Verify that the EUT works properly.

Note: We use the mobile phone provided by the customer as the load, we have verified the charging test under each power, and the worst state is placed in the report.

3 VERDICT SUMMARY SECTION

This chapter presents an overview of standards and results. Refer to the next chapters for details of measured test results and applied test levels.

3.1 Standards

Standard	Year	Description
CFR 47, FCC Part 15 C	2021	Intentional Radiators
ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3.2 Deviation(s) from the Standard(s) / Test Specification(s)

The following deviation(s) was / were made from the published requirements of the listed standards: N/A.

(Please define the deviations from the standard(s) if applicable)

3.3 Overview of results

Requirement – Test case	Basic standard(s)	Verdict	Remark
Conducted Emission	FCC CFR Title 47 Part 15 Subpart C Section 15.207	PASS	---
Field Strength of Spurious	FCC CFR Title 47 Part 15 Subpart C Section 15.209	PASS	---
Channel Bandwidth	FCC CFR Title 47 Part 15 Subpart C Section 15.215(c)	PASS	---
Antenna Requirement	FCC CFR Title 47 Part 15 Subpart C: Section 15.203	PASS	---

3.4 Test Facility

USA : FCC Designation Number: CN1199

4 TEST RESULTS

4.1 AC Power Line Conducted Emission

VERDICT: **PASS**

4.1.1 Limit

Standard	FCC Part 15 Subpart C Paragraph 15.207	
Frequency range [MHz]	Limit: QP [dB(μV) ¹⁾]	Limit: AV [dB(μV) ¹⁾]
0,15 - 0,50	66 - 56 ²⁾	56 - 46 ²⁾
0,50 - 5,0	56	46
5,0 - 30	60	50

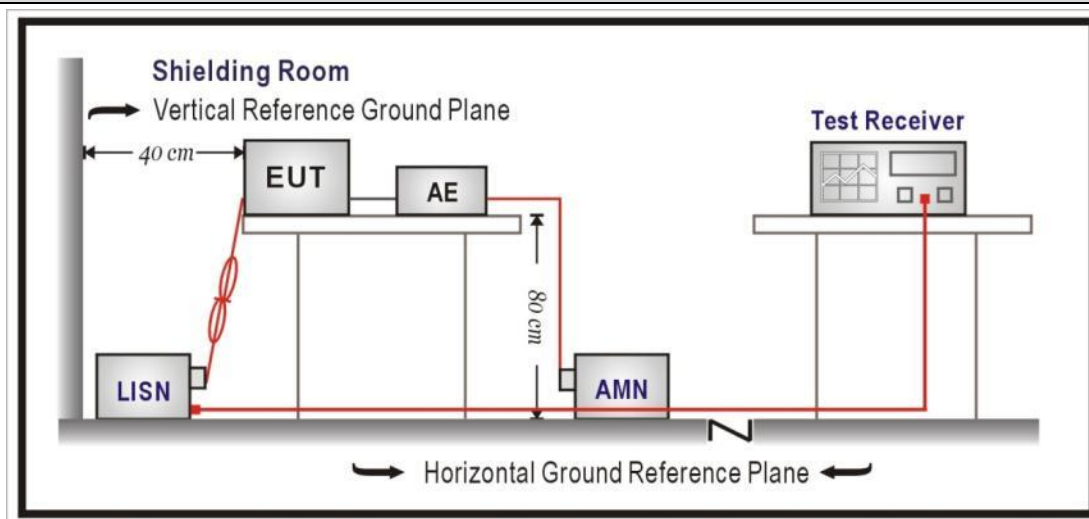
¹⁾ At the transition frequency, the lower limit applies.

²⁾ The limit decreases linearly with the logarithm of the frequency.

NOTE 1: The exclusion band for transmitters shall be considered for transmitters operating at frequencies below 30 MHz.

NOTE 2: Where the AC output port is directly connected (or via a circuit breaker) to the AC power input port of the EUT the AC power output port need not to be tested.

4.1.2 Test Setup

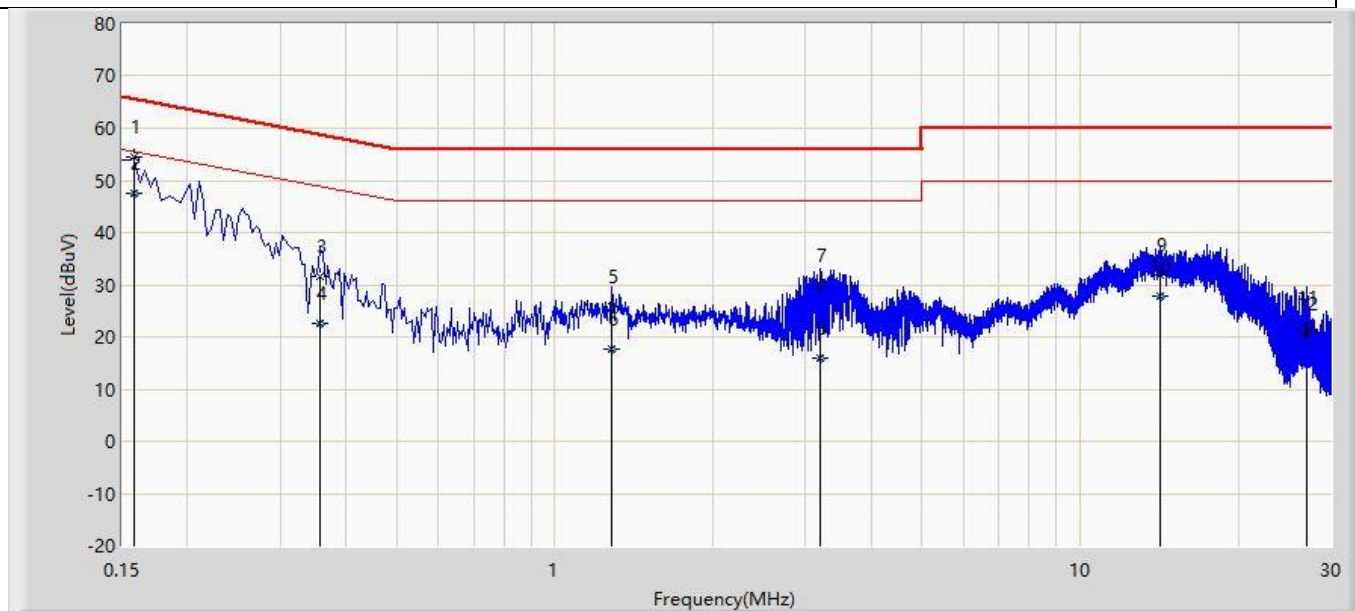


4.1.3 Test Procedure

References Rule	Chapter	Item
<input checked="" type="checkbox"/> ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

4.1.4 Test Data

Profile: 2320346R	Page No.: 1
Engineer: YuLiu	
Site: TR1	Time: 2023/02/28 - 19:59
Limit: FCC_Part15.207	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: Docking Station (Triple)	Power: AC 120V/60Hz
Note: Mode 1: Transmit	

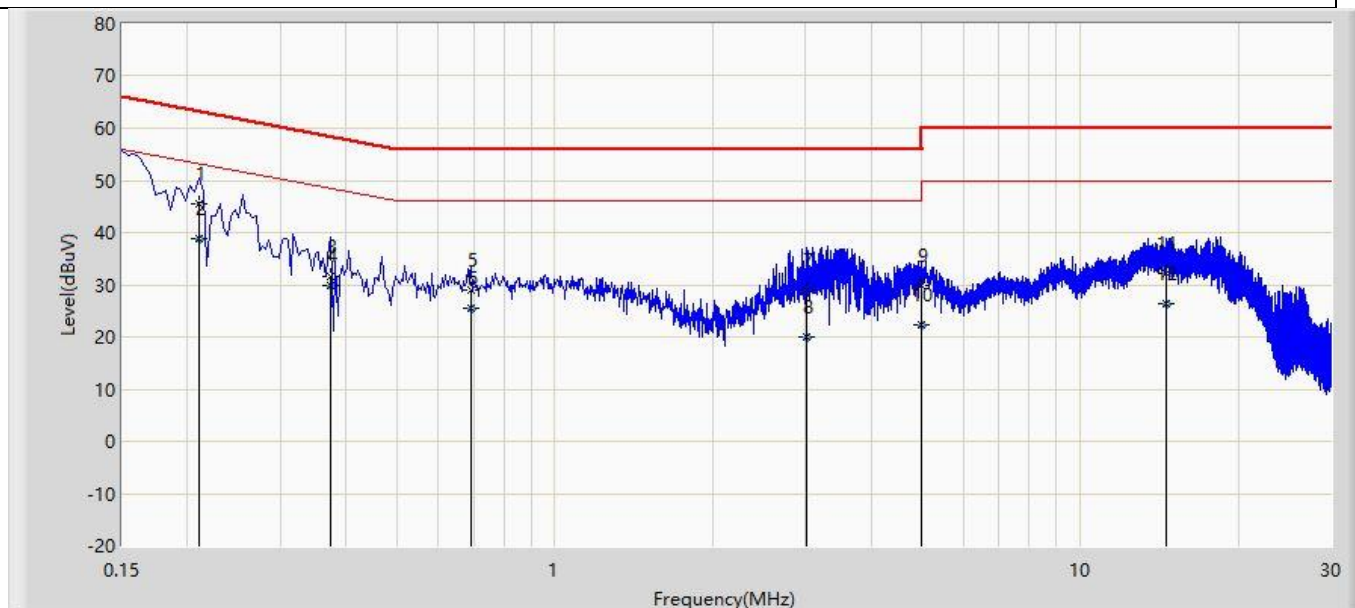


No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.158	54.442	44.872	-11.127	65.568	9.570	QP
2	*	0.158	47.463	37.894	-8.105	55.568	9.570	AV
3		0.358	31.595	22.004	-27.180	58.775	9.591	QP
4		0.358	22.684	13.093	-26.090	48.775	9.591	AV
5		1.286	25.793	16.139	-30.207	56.000	9.654	QP
6		1.286	17.610	7.956	-28.390	46.000	9.654	AV
7		3.202	29.918	20.195	-26.082	56.000	9.723	QP
8		3.202	16.065	6.342	-29.935	46.000	9.723	AV
9		14.170	31.873	21.746	-28.127	60.000	10.127	QP
10		14.170	27.788	17.661	-22.212	50.000	10.127	AV
11		26.902	21.864	11.390	-38.136	60.000	10.475	QP
12		26.902	20.630	10.155	-29.370	50.000	10.475	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Profile: 2320346R	Page No.: 2
Engineer: YuLiu	
Site: TR1	Time: 2023/02/28 - 20:07
Limit: FCC_Part15.207	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: Docking Station (Triple)	Power: AC 120V/60Hz
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.210	45.642	36.055	-17.564	63.205	9.587	QP
2	*	0.210	38.884	29.298	-14.321	53.205	9.587	AV
3		0.374	31.559	21.956	-26.852	58.412	9.603	QP
4		0.374	29.926	20.322	-18.485	48.412	9.603	AV
5		0.694	29.009	19.367	-26.991	56.000	9.642	QP
6		0.694	25.562	15.920	-20.438	46.000	9.642	AV
7		3.006	28.917	19.189	-27.083	56.000	9.727	QP
8		3.006	19.948	10.221	-26.052	46.000	9.727	AV
9		4.990	29.981	20.163	-26.019	56.000	9.818	QP
10		4.990	22.431	12.612	-23.569	46.000	9.818	AV
11		14.546	32.217	22.100	-27.783	60.000	10.118	QP
12		14.546	26.406	16.288	-23.594	50.000	10.118	AV

Note:

1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

4.2 Radiated emission

VERDICT: PASS

4.2.1 Limit

Standard		FCC Part 15 Subpart C Paragraph 15.209		
Frequency (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)	
0.009 - 0.49	2400/F(kHz)	48.5 – 13.8	300 _(Note 1)	
0.49 - 1.705	24000/F(kHz)	33.8 - 23	30 _(Note 1)	
1.705 - 30	30	29.5	30 _(Note 1)	
30 - 88	100	40	3 _(Note 2)	
88 - 216	150	43.5	3 _(Note 2)	
216 - 960	200	46	3 _(Note 2)	
Above 960	500	54	3 _(Note 2)	

Note 1: The tighter limits apply at the band edges.

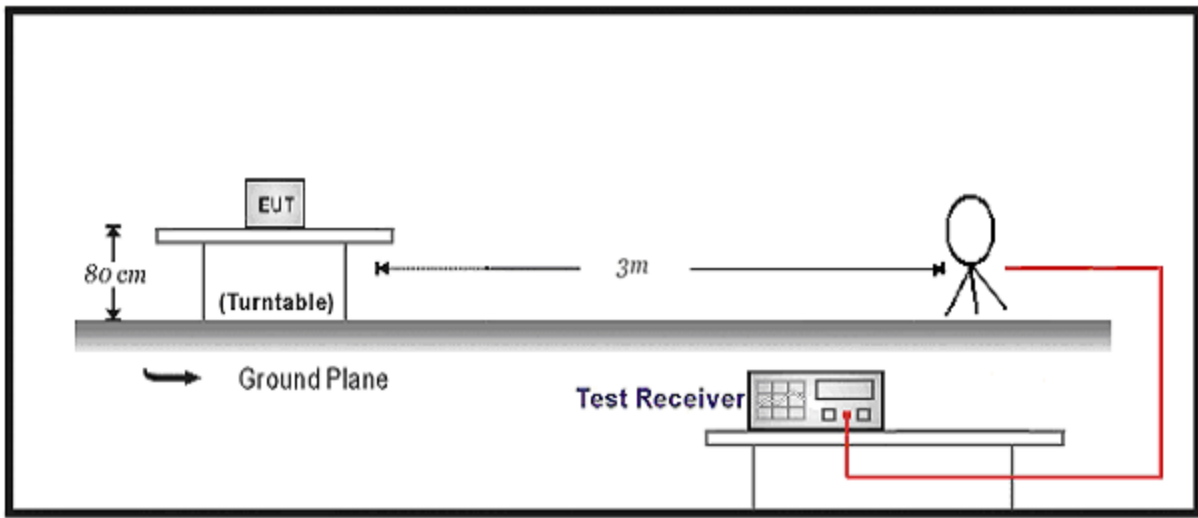
Note 2: Measurements were performed at 10m and the data was extrapolated to the specified measurement distance of 300m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in §15.31(f)(2).
 Extrapolation Factor = $40 \log_{10}(300/10) = 59\text{dB}$ for example.

Measurements were performed at 10m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in §15.31(f)(2).
 Extrapolation Factor = $40 \log_{10}(30/10) = 19\text{dB}$ for example.

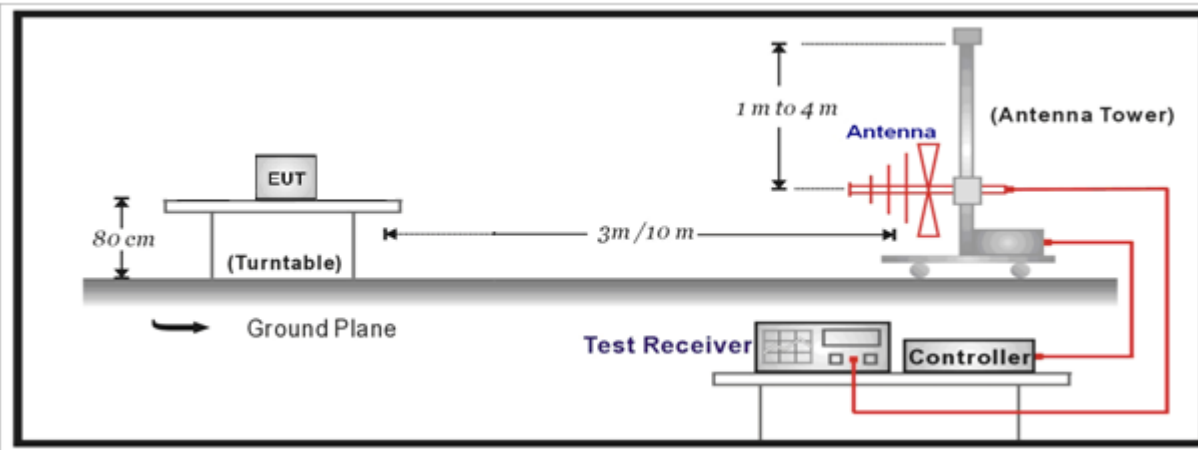
Note 3: All measurements were performed using a loop antenna. The antenna was positioned in three orthogonal positions (X front, Y side, Z top) and the position with the highest emission level was recorded.

4.2.2 Test Setup

Below 30MHz Test Setup:



30MHz-1GHz Test Setup:

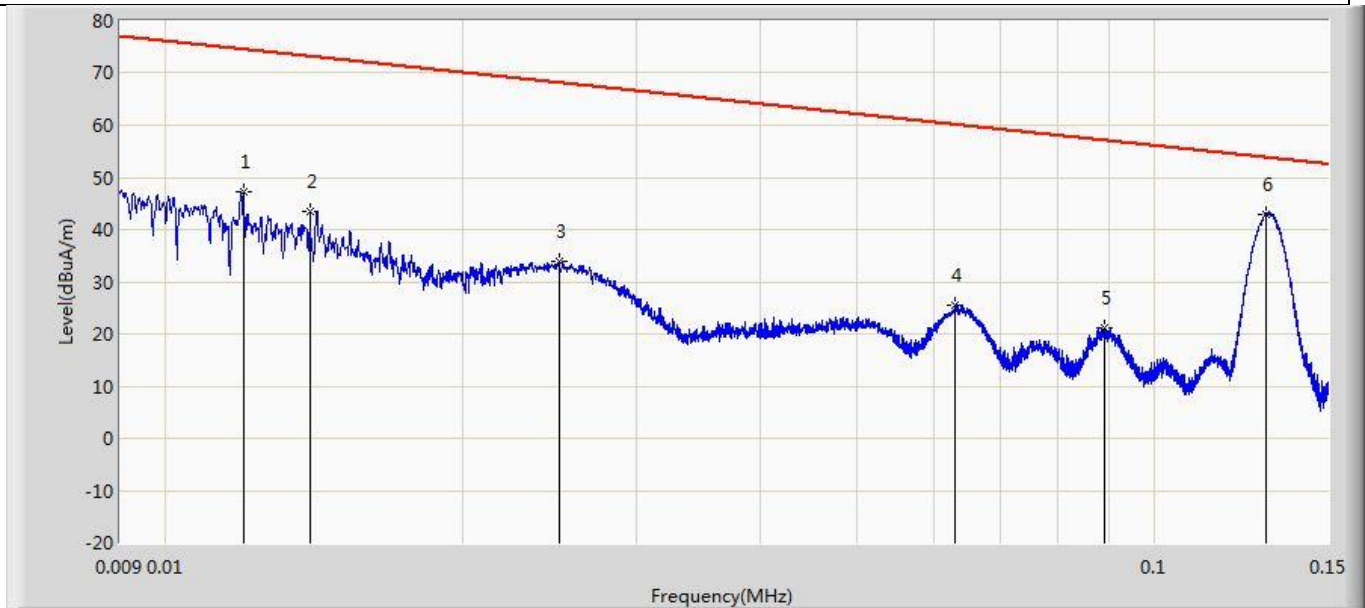


4.2.3 Test Procedure

	References Rule	Chapter	Description
<input checked="" type="checkbox"/>	ANSI C63.10	11.12	Emissions in restricted frequency bands
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.1	Radiated emission measurements
	<input checked="" type="checkbox"/> ANSI C63.10	11.12.2.7	Radiated spurious emission test
	<input checked="" type="checkbox"/> ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
	<input checked="" type="checkbox"/> ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
	<input type="checkbox"/> ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.2.4 Test Data

Profile: 2320346R	Page No.: 1
Engineer: Yuliu	
Site: AC3	Time: 2023/02/20 - 21:25
Limit: FCC 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Docking Station (Triple)	Power: 120V/60Hz
Note: Mode 1: Transmit	

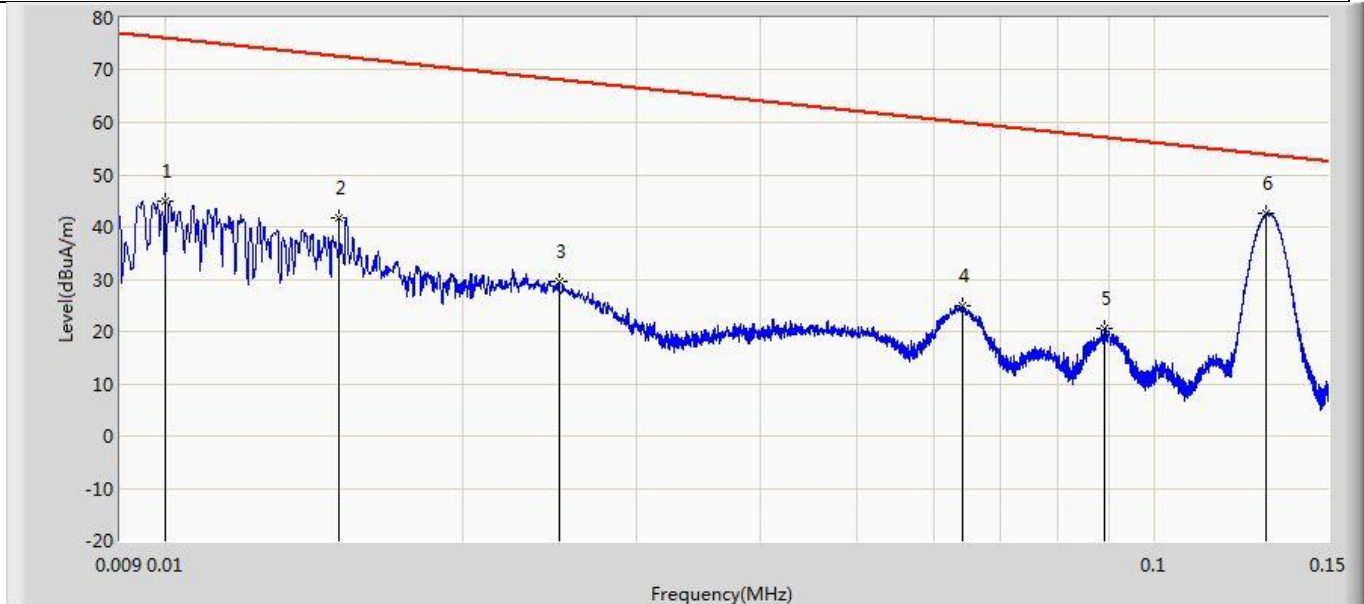


No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.012	47.354	26.229	-27.149	74.503	21.125	PK
2		0.014	43.585	22.398	-29.580	73.164	21.187	PK
3		0.025	33.786	12.258	-34.345	68.131	21.527	PK
4		0.063	25.599	3.663	-34.508	60.107	21.936	PK
5		0.089	21.223	-0.683	-35.885	57.108	21.906	PK
6	*	0.130	42.975	21.115	-10.844	53.819	21.860	PK

Note 1. Mark 6 is the fundamental emission.

2. Except Main frequency, others are noise floor.

Profile: 2320346R	Page No.: 3
Engineer: Yuliu	
Site: AC3	Time: 2022/05/24 - 18:46
Limit: FCC 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Docking Station (Triple)	Power: 120V/60Hz
Note: Mode 1: Transmit	

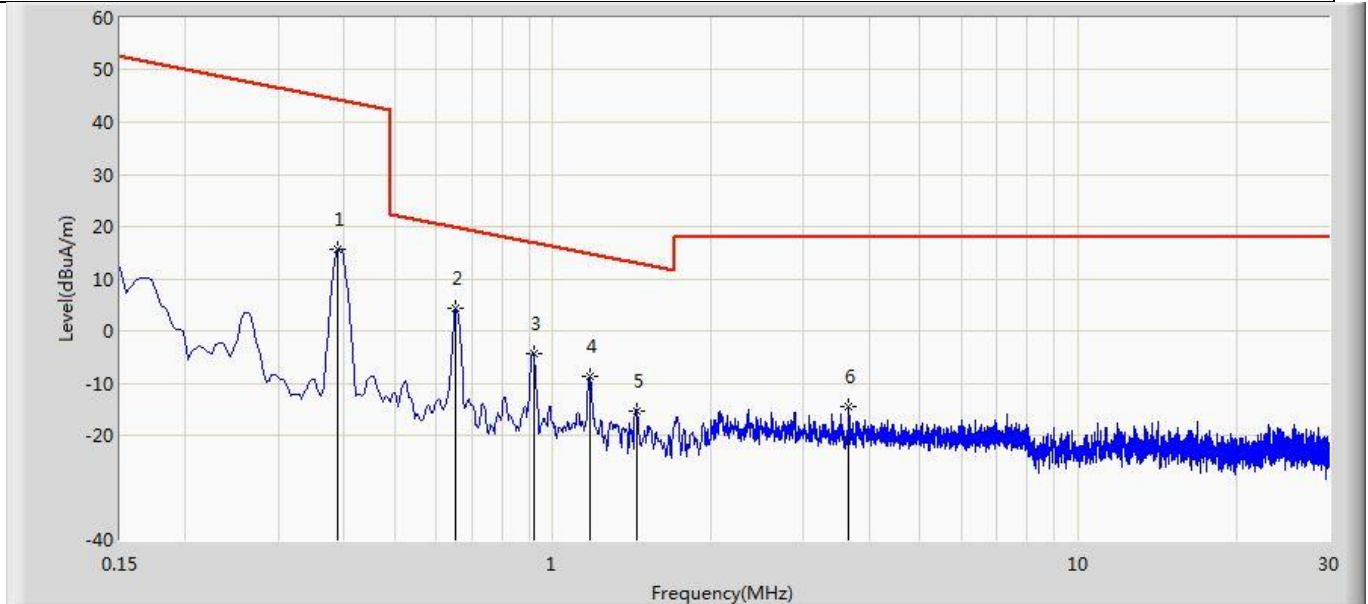


No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.010	44.832	24.270	-31.253	76.085	20.562	PK
2		0.015	41.705	20.987	-30.861	72.565	20.718	PK
3		0.025	29.585	8.557	-38.546	68.131	21.027	PK
4		0.064	24.943	3.508	-35.028	59.971	21.435	PK
5		0.089	20.530	-0.876	-36.578	57.108	21.406	PK
6	*	0.130	42.597	21.237	-11.222	53.819	21.360	PK

Note 1. Mark 6 is the fundamental emission.

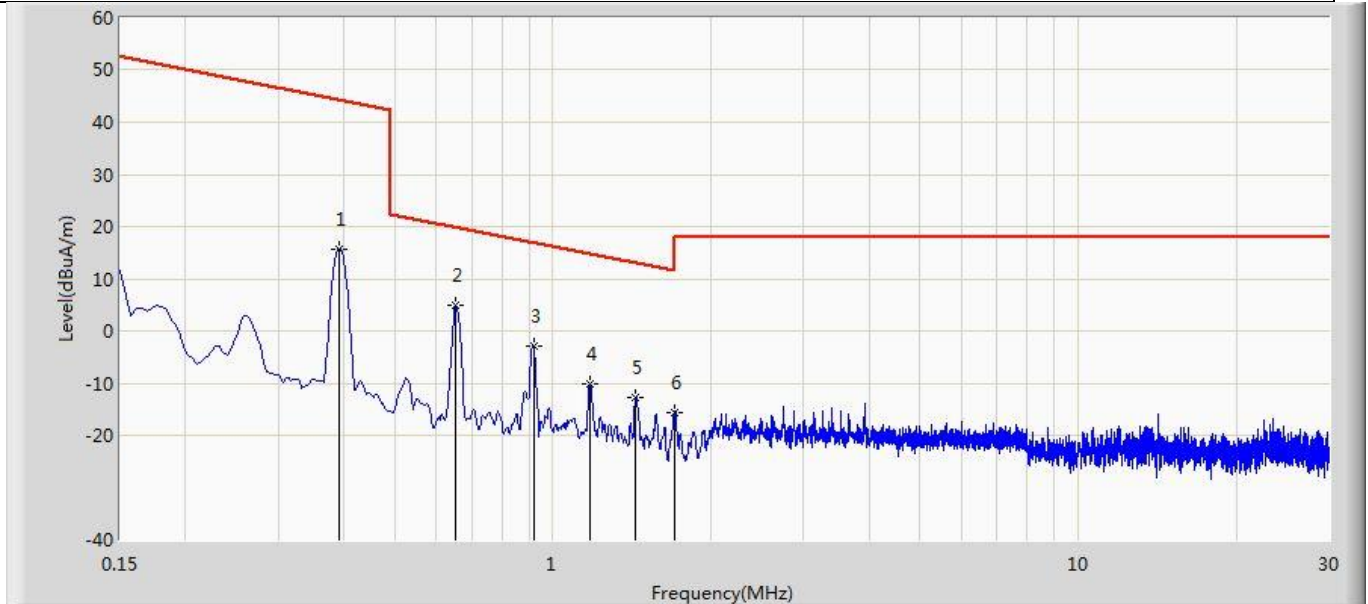
2. Except Main frequency, others are noise floor.

Profile: 2320346R	Page No.: 2
Engineer: Yuliu	
Site: AC3	Time: 2023/02/20 - 21:25
Limit: FCC 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: X
EUT: Docking Station (Triple)	Power: 120V/60Hz
Note: Mode 1: Transmit	



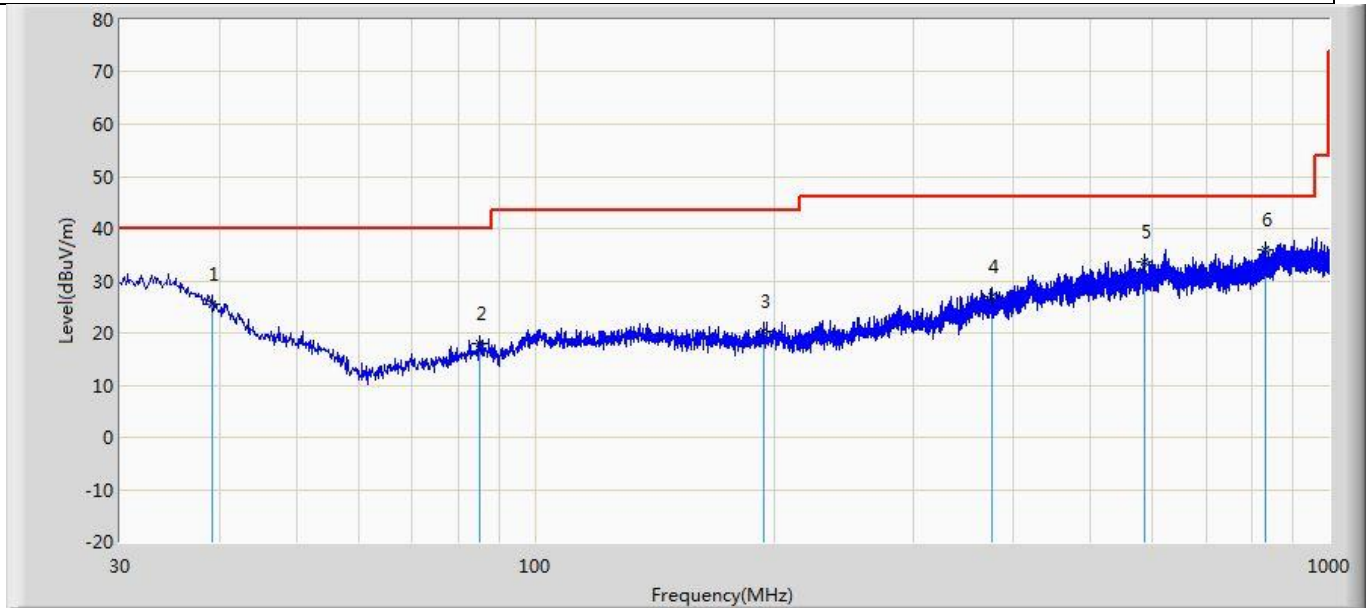
No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.389	15.568	-6.026	-28.736	44.304	21.594	PK
2	*	0.654	4.220	-16.782	-15.579	19.799	21.002	PK
3		0.919	-4.230	-24.415	-21.083	16.853	20.185	PK
4		1.176	-8.779	-28.894	-23.497	14.717	20.114	PK
5		1.441	-15.288	-35.684	-28.246	12.957	20.395	PK
6		3.657	-14.580	-35.332	-32.580	18.000	20.752	PK

Profile: 2320346R	Page No.: 4
Engineer: Yuliu	
Site: AC3	Time: 2022/05/24 - 18:48
Limit: FCC 15.209	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Y
EUT: Docking Station (Triple)	Power: 120V/60Hz
Note: Mode 1: Transmit	



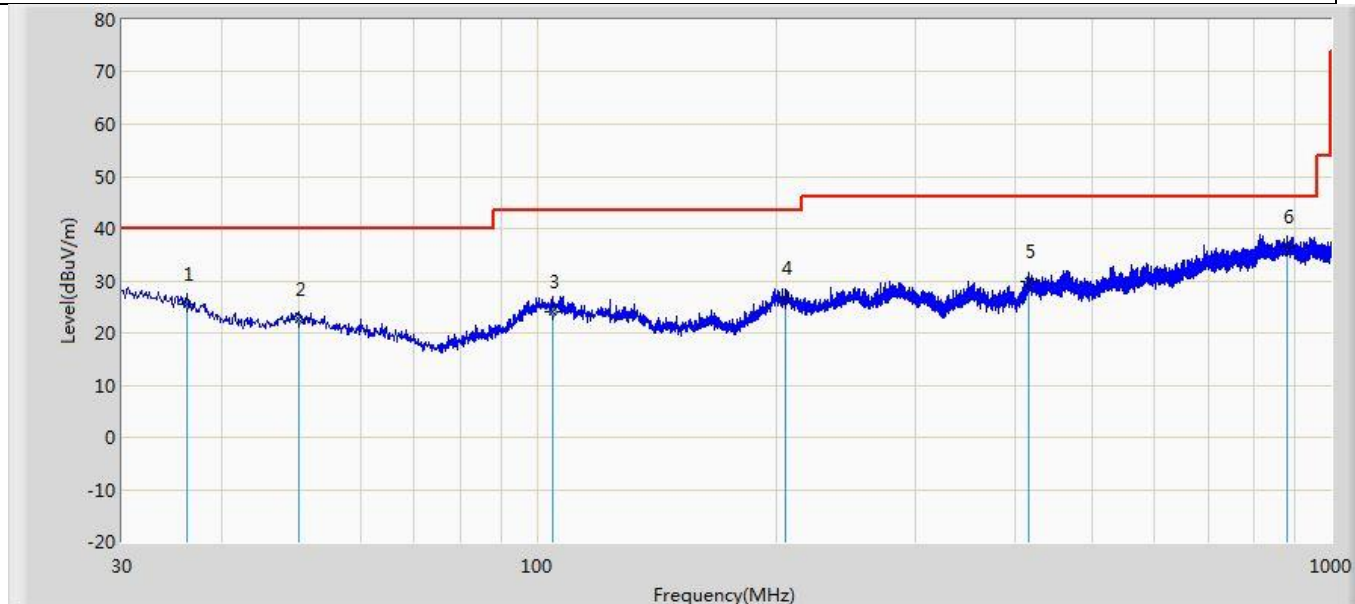
No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.393	15.643	-5.447	-28.572	44.215	21.090	PK
2	*	0.654	4.883	-15.619	-14.916	19.799	20.502	PK
3		0.919	-2.778	-22.463	-19.631	16.853	19.685	PK
4		1.180	-10.008	-29.626	-24.696	14.688	19.618	PK
5		1.437	-12.617	-32.507	-25.598	12.981	19.890	PK
6		1.706	-15.559	-35.714	-33.559	18.000	20.155	PK

Profile: 2320346R	Page No.: 153
Engineer: Yuliu	
Site: AC3	Time: 2023/02/20 - 20:04
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3M(30-1000M)	Polarity: Horizontal
EUT: Docking Station (Triple)	Power: 120V/60Hz
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		39.215	25.391	2.410	-14.609	40.000	22.981	QP
2		85.290	17.840	3.426	-22.160	40.000	14.414	QP
3		194.173	20.317	2.885	-23.183	43.500	17.432	QP
4		376.290	26.953	2.865	-19.047	46.000	24.088	QP
5		584.597	33.701	4.889	-12.299	46.000	28.812	QP
6	*	830.371	35.941	4.217	-10.059	46.000	31.724	QP

Profile: 2320346R	Page No.: 154
Engineer: Yuliu	
Site: AC3	Time: 2023/02/20 - 20:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3M(30-1000M)	Polarity: Vertical
EUT: Docking Station (Triple)	Power: 120V/60Hz
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		36.184	25.374	3.607	-14.626	40.000	21.767	QP
2		50.006	22.706	3.264	-17.294	40.000	19.442	QP
3		104.811	24.178	1.896	-19.322	43.500	22.282	QP
4		205.812	26.733	3.284	-16.767	43.500	23.449	QP
5		416.181	29.984	3.689	-16.016	46.000	26.295	QP
6	*	881.539	36.591	3.030	-9.409	46.000	33.560	QP

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

Note 2: Measurement Level = Reading Level + Factor(Probe+Cable-Amp).

Note 3: The orthogonal orientations (x/y/z) of the shielded loop antenna are evaluated, shown in the report is the worst data.

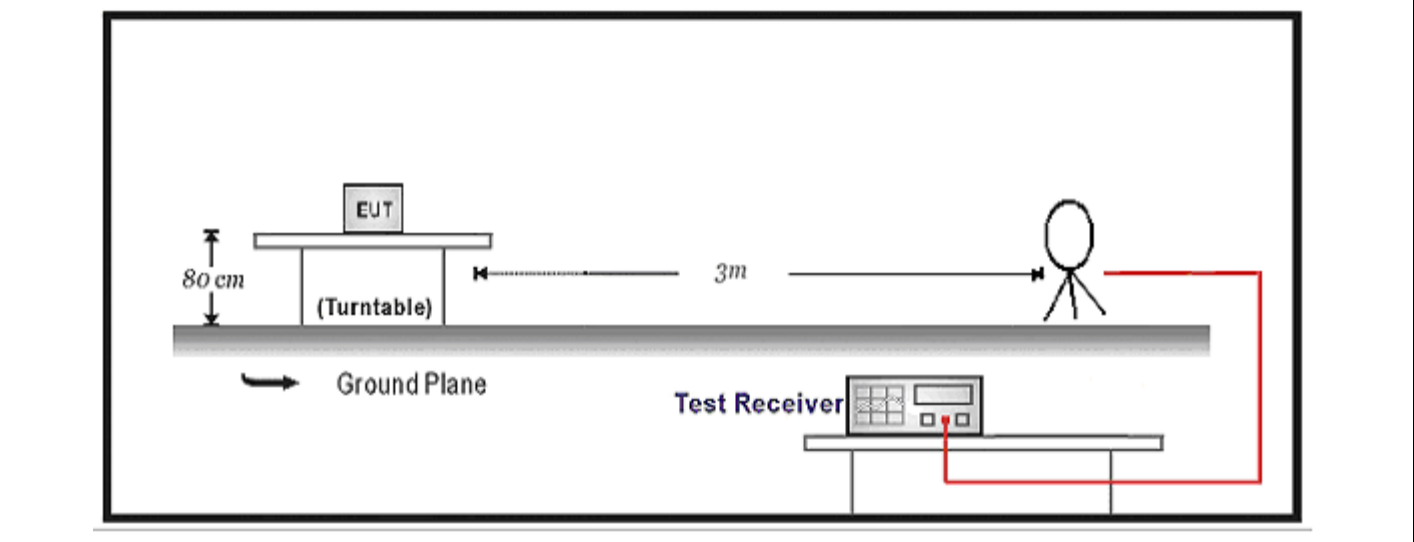
Note 4: dBμA/m = dBμV/m – 51.5

4.3 20dB Bandwidth	VERDICT: PASS
---------------------------	----------------------

4.3.1 Limit

Standard	FCC Part 15 Subpart C
Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.	

4.3.2 Test Setup



4.3.3 Test Procedure

The bandwidth of the fundamental frequency was measured by spectrum analyzer with the RBW 1%~5% of 20dBc bandwidth and the VBW three times of the RBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.3.4 Test Data

Mode	Test Freq. (kHz)	20dB Occupied Bandwidth (Hz)	99% Occupied Bandwidth (Hz)	Result
1	131.0	86	81	Pass



4.4 Antenna Requirement	VERDICT: PASS
--------------------------------	----------------------

4.4.1 Limit:	
Standard	FCC Part 15 Subpart C Paragraph 15.203
<p>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible LE party shall 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 manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or any electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed by LE, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible LE for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.</p>	

4.4.2 Antenna Connector Construction:	
<input checked="" type="checkbox"/>	The use of a permanently attached antenna
<input type="checkbox"/>	The antenna use of a unique coupling to the intentional radiator
<input type="checkbox"/>	The use of a nonstandard antenna jack or any electrical connector
Please refer to the attached document "Internal Photograph" to show the antenna connector.	

5 TEST SETUP PHOTO AND EUT PHOTO

Remark: The test setup photo and EUT Photo please see appendix.

_____ The End _____