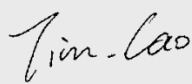
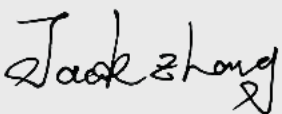


Test report No:
2250163R-RF-US-P06V01

FCC TEST REPORT

Product Name	Docking Station (Single)
Trademark	DATALOGIC
Model and /or type reference	DL36SSD
FCC ID	U4GDL36SSD
Applicant's name / address	Datalogic S.r.l. Via San Vitalino no.13,Calderara di Reno -40012(BO)-Italy
Test method requested, standard	FCC CFR Title 47 Part 15 Subpart C ANSI C63.10: 2013
Verdict Summary	IN COMPLIANCE
Documented by (name / position & signature)	Tim Cao/Project Engineer 
Approved by (name / position & signature)	Jack Zhang/ Supervisor 
Date of issue	2022-07-21
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)	May. 09, 2022
Date (start test)	May 10, 2022
Date (finish test)	May. 23, 2022

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
2250163R-RF-US-P06V01	V1.0	Initial issue of report.	2022-07-06
2250163R-RF-US-P06V01	V1.1	P1 Remove ISED statement. P7 Add test equipment list for radiated emissions from 9 kHz to 30 MHz. P8 Add measurement uncertainty for radiated emissions from 9 kHz to 30 MHz. P9 Add client device and power adaptor information. P14 Add note. P23~P24 Modify note.	2022-07-21

REMARKS AND COMMENTS

1. The equipment under test (EUT) does meet the essential requirements of the stated standard(s)/test(s).
2. These test results on a sample of the device are for the purpose of demonstrating Compliance with Part 15 Subpart C.
3. 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.
4. The test results presented in this report relate only to the object tested.
5. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification (Suzhou) Co., Ltd.
6. This report will not be used for social proof function in China market.
7. 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	ESCI	100906	2021.07.11	2022.07.10
Two-Line V-Network	R&S	ENV216	101190	2021.12.31	2022.12.30
Two-Line V-Network	R&S	ENV216	101044	2022.03.12	2023.03.11
Current Probe	R&S	EZ-17	100678	2021.12.31	2022.12.30
50ohm Termination	SHX	TF2	07081402	2022.03.05	2023.03.04
50ohm Termination	SHX	TF2	07081403	2022.03.05	2023.03.04
50ohm Coaxial Switch	Anritsu	MP59B	6200464462	N/A	N/A
Temperature/Humidity Meter	RTS	RTS-8S	TR1-TH	2021.07.09	2022.07.08
Coaxial Cable	Suhner	RG 223	TR1-C1	2021.07.09	2022.07.08
Coaxial Cable	Suhner	RG 223	TR1-C2	2021.07.09	2022.07.08
Dekra test software	Dekra	-	-	-	-

Radiated Emission(30MHz-1GHz) / AC2

Instrument	Manufacturer	Model No.	Serial No.	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESCI	100573	2021.10.30	2022.10.29
Bilog Antenna	Teseq GmbH	CBL6112D	27611	2021.12.03	2022.12.02
Temperature/Humidity Meter	RTS	RTS-8S	AC2-TH	2021.11.08	2022.11.07
Coaxial Cable	Huber+Suhner	RG 214	AC2-C	2022.03.31	2023.03.30
Loop Antenna	R&S	HFH2-Z2	833799/003	2022.04.15	2022.04.14
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	9kHz~150kHz: 2.80dB 150kHz~30MHz: 2.40dB
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
Radiated Emission(9KHz~30MHz)	Horizontal: 9KHz~30MHz: 3.50 dB Vertical: 9KHz~330MHz: 3.60 dB
Occupied Bandwidth	$\pm 150\text{Hz}$

1 GENERAL INFORMATION

1.1 General Description of the Item(s)

Product Name..... :	Docking Station (Single)
Model No. :	DL36SSD
Trademark	Datalogic
FCC ID	U4GDL36SSD
Manufacturer..... :	Datalogic S.r.l.
Manufacturer address	Via San Vitalino no.13,Calderara di Reno -40012(BO)-Italy

Operating Frequency Range	119-140KHz
Type of Modulation..... :	ASK
Number of Channel..... :	1
Operating Temperature Range..... :	-30℃ ~ 70 ℃

Rated power supply	Voltage and Frequency	
	☐	AC: 220 – 240 V, 50/60 Hz
	☐	AC: 110 – 130 V, 50/60 Hz
	☒	DC: 12 V
	☐	Battery: 12 Vdc
Mounting position..... :	☒	Table top equipment
	☐	Wall/Ceiling mounted equipment
	☐	Floor standing equipment
	☐	Hand-held equipment
	☐	Other: vehicle-mounted equipment
Test perimeter..... :	Product Name: MOBILE COMPITER Model:MEMOR 10 FCC ID: U4GDL35US IC:3862E-DL35US	
Adapter..... :	Model: EA10681N-120 AC INPUT:100-240V,2.0A,50-60Hz DC OUTPUT:12.0V,5.0A 60.0W	

1.2 Antenna Information

Antenna model / type number.....:	N/A		
Antenna serial number	N/A		
Antenna Delivery	☒	1TX + 1RX	
	☐	2TX + 2RX	
	☐	Others:.....	
Antenna technology.....:	☒	SISO	
	☐	MIMO	☐ CDD
			☐ Beam-forming
Antenna Type.....:	☐	External	☐ Dipole
			☐ Sectorized
	☒	Internal	☐ Ceramic Chip
			☐ PIFA
			☐ PCB
			☒ 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	130.0 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.

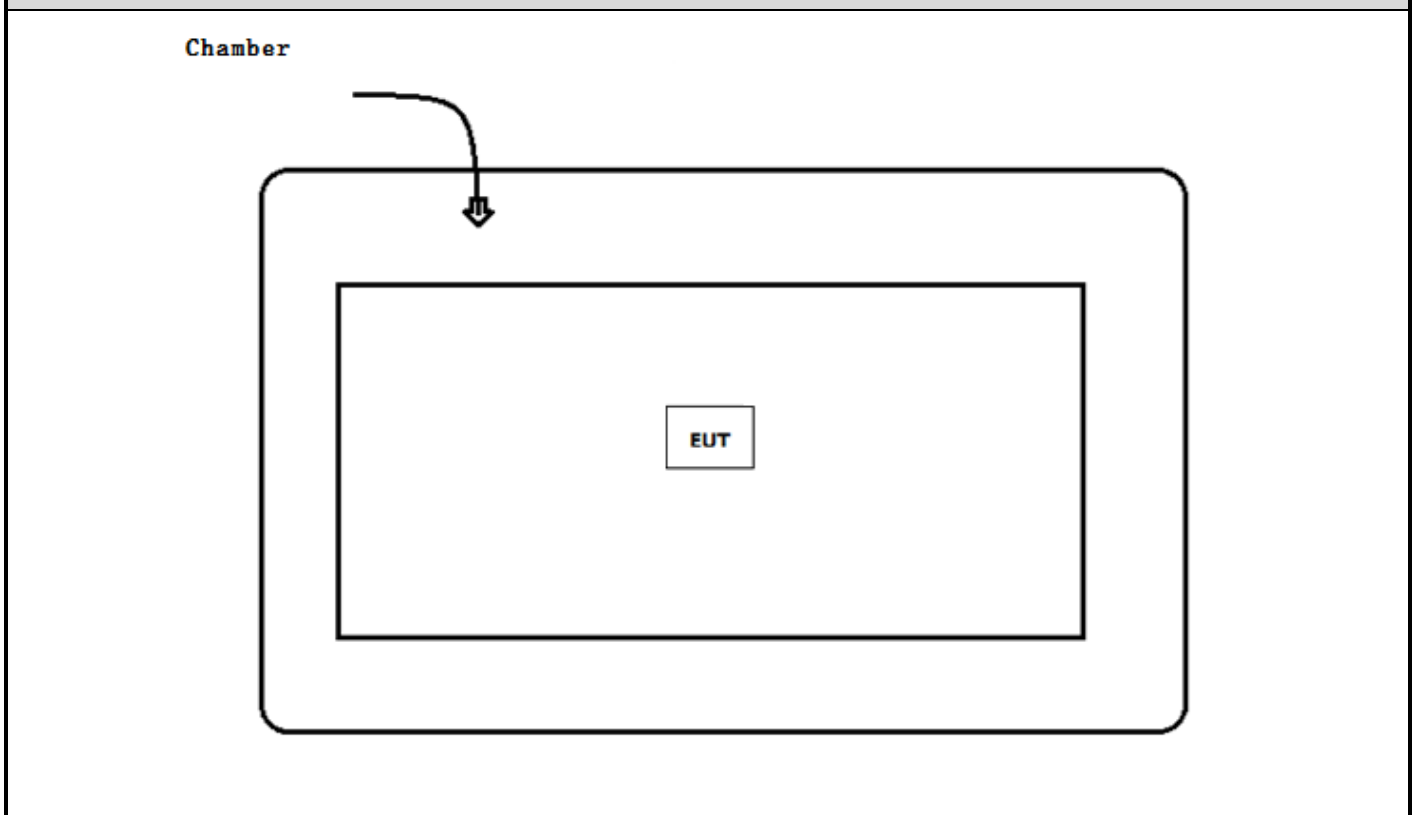
Test Mode For WPT	Mode 1: Transmit
-------------------	------------------

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
FCC CFR Title 47 Part 15 Subpart 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

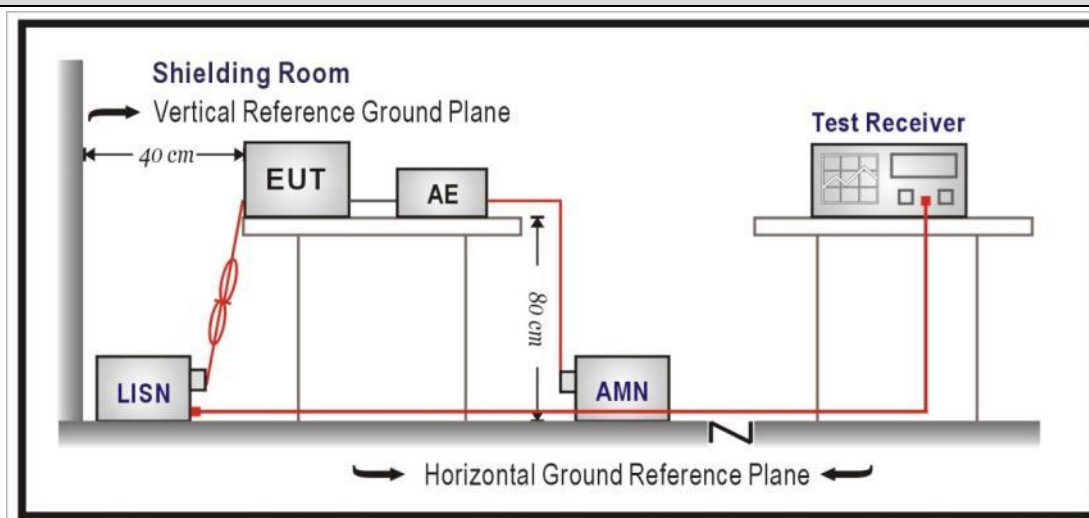
¹⁾ At the transition frequency, the lower limit applies.

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

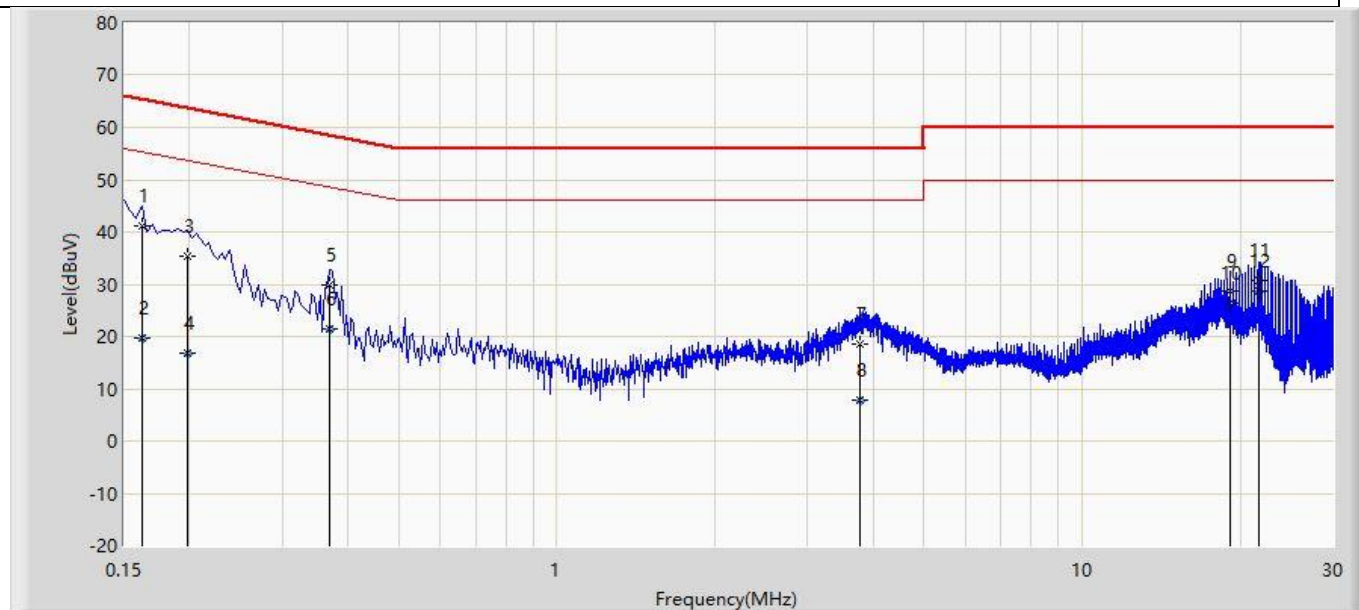


4.1.3 Test Procedure

	References Rule	Chapter	Item
☒	ANSI C63.10-2013	6.2	Standard test method for ac power-line conducted emissions from unlicensed wireless devices

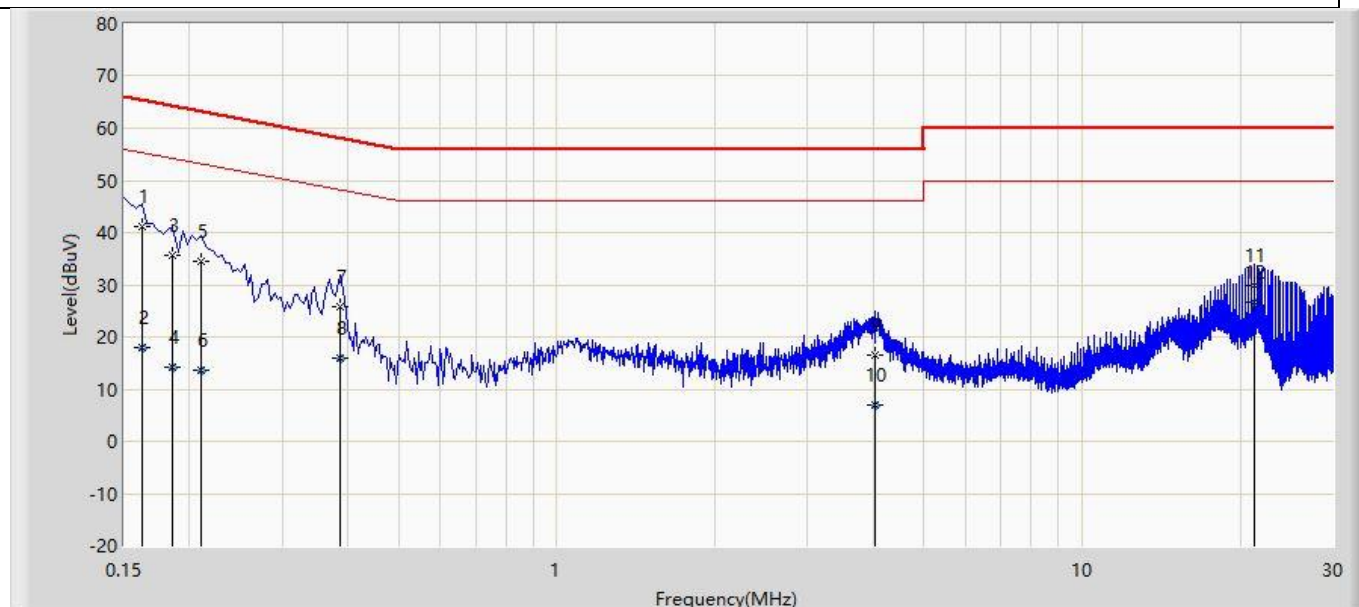
4.1.4 Test Data

Engineer: BINBINMAO	
Site: TR1	Time: 2022/05/18
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Line
EUT: DL36SSD	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.162	41.210	31.629	-24.151	65.361	9.553	0.029	0.000	QP
2		0.162	19.567	9.986	-35.793	55.361	9.553	0.029	0.000	AV
3		0.198	35.436	25.850	-28.258	63.694	9.559	0.028	0.000	QP
4		0.198	16.850	7.263	-36.844	53.694	9.559	0.028	0.000	AV
5		0.370	29.737	20.136	-28.764	58.501	9.571	0.030	0.000	QP
6		0.370	21.577	11.975	-26.924	48.501	9.571	0.030	0.000	AV
7		3.782	18.615	8.847	-37.385	56.000	9.638	0.129	0.000	QP
8		3.782	7.872	-1.895	-38.128	46.000	9.638	0.129	0.000	AV
9		19.150	28.643	18.424	-31.357	60.000	9.938	0.281	0.000	QP
10		19.150	26.480	16.261	-23.520	50.000	9.938	0.281	0.000	AV
11		21.758	30.776	20.506	-29.224	60.000	9.971	0.300	0.000	QP
12	*	21.758	28.561	18.290	-21.439	50.000	9.971	0.300	0.000	AV

Engineer: BINBINMAO	
Site: TR1	Time: 2022/05/18
Limit: FCC_Part15.207_CE_AC Power	Margin: 0
Probe: ENV216_101190(0.009-30MHz)	Polarity: Neutral
EUT: DL36SSD	Power: AC 120V/60Hz
Note: Mode 1	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Probe (dB)	Cable (dB)	Amp (dB)	Type
1		0.162	41.057	31.486	-24.304	65.361	9.543	0.029	0.000	QP
2		0.162	17.980	8.409	-37.380	55.361	9.543	0.029	0.000	AV
3		0.186	35.568	25.991	-28.645	64.213	9.547	0.029	0.000	QP
4		0.186	14.098	4.521	-40.115	54.213	9.547	0.029	0.000	AV
5		0.210	34.557	24.980	-28.648	63.205	9.551	0.027	0.000	QP
6		0.210	13.734	4.157	-39.471	53.205	9.551	0.027	0.000	AV
7		0.386	25.789	16.182	-32.360	58.149	9.569	0.038	0.000	QP
8		0.386	15.844	6.237	-32.305	48.149	9.569	0.038	0.000	AV
9		4.038	16.463	6.692	-39.537	56.000	9.637	0.134	0.000	QP
10		4.038	6.889	-2.882	-39.111	46.000	9.637	0.134	0.000	AV
11		21.234	29.762	19.466	-30.238	60.000	10.000	0.297	0.000	QP
12	*	21.234	26.523	16.227	-23.477	50.000	10.000	0.297	0.000	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.

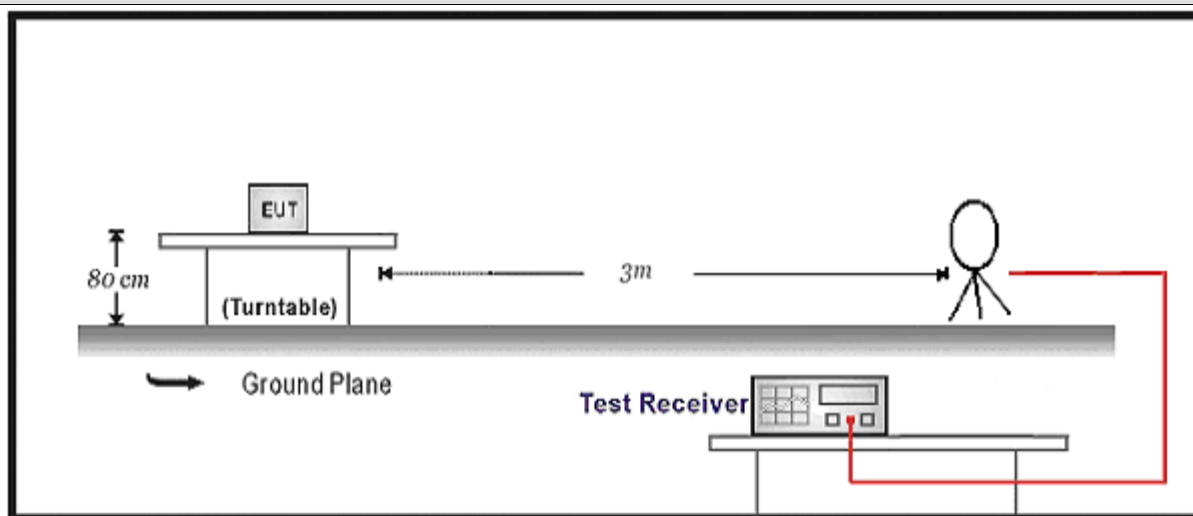
Note 2: Measurements were performed at 10m and the data was extrapolated to the specified measurement distance of 300m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in §15.31(f)(2).
 Extrapolation Factor = $40 \log_{10}(300/10) = 59\text{dB}$ for example.

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.

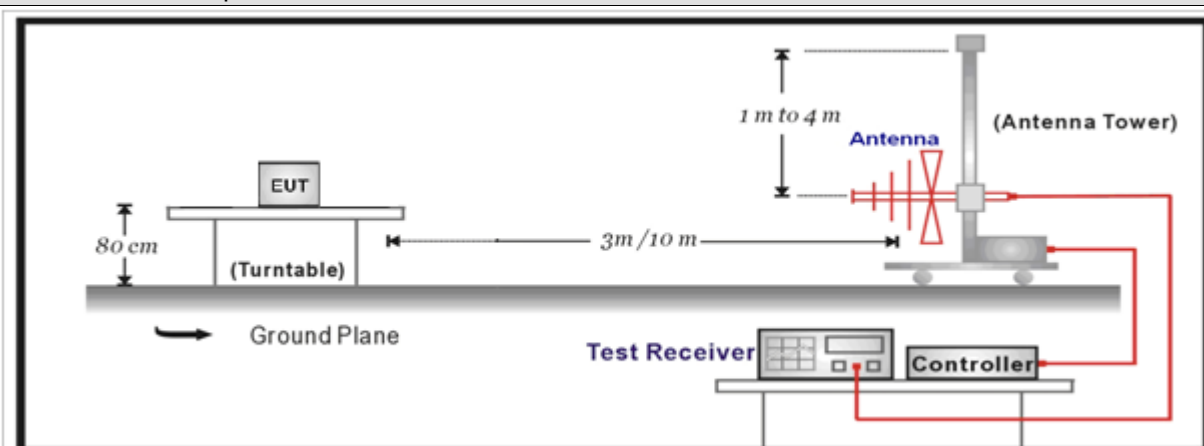
Note 3: All measurements were performed using a loop antenna. The antenna was positioned in three orthogonal positions (X front, Y side, Z top) and the position with the highest emission level was recorded.

4.2.2 Test Setup

Below 30MHz Test Setup:



30MHz-1GHz Test Setup:

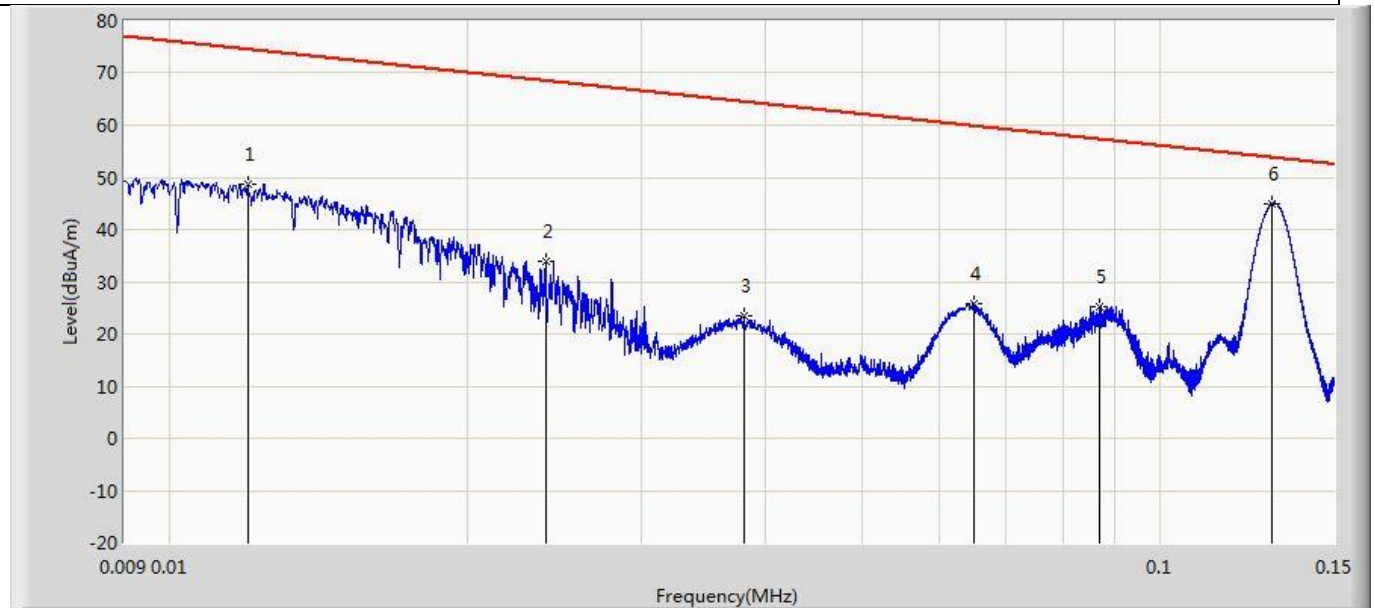


4.2.3 Test Procedure

	References Rule	Chapter	Description
☒	ANSI C63.10	11.12	Emissions in restricted frequency bands
☒	☒ ANSI C63.10	11.12.1	Radiated emission measurements
☒	☒ ANSI C63.10	11.12.2.7	Radiated spurious emission test
☐	☒ ANSI C63.10	6.4	Radiated emissions from unlicensed wireless devices below 30 MHz
☐	☒ ANSI C63.10	6.5	Radiated emissions from unlicensed wireless devices in the frequency range of 30 MHz to 1000 MHz
☐	☐ ANSI C63.10	6.6	Radiated emissions from unlicensed wireless devices above 1 GHz

4.2.4 Test Data

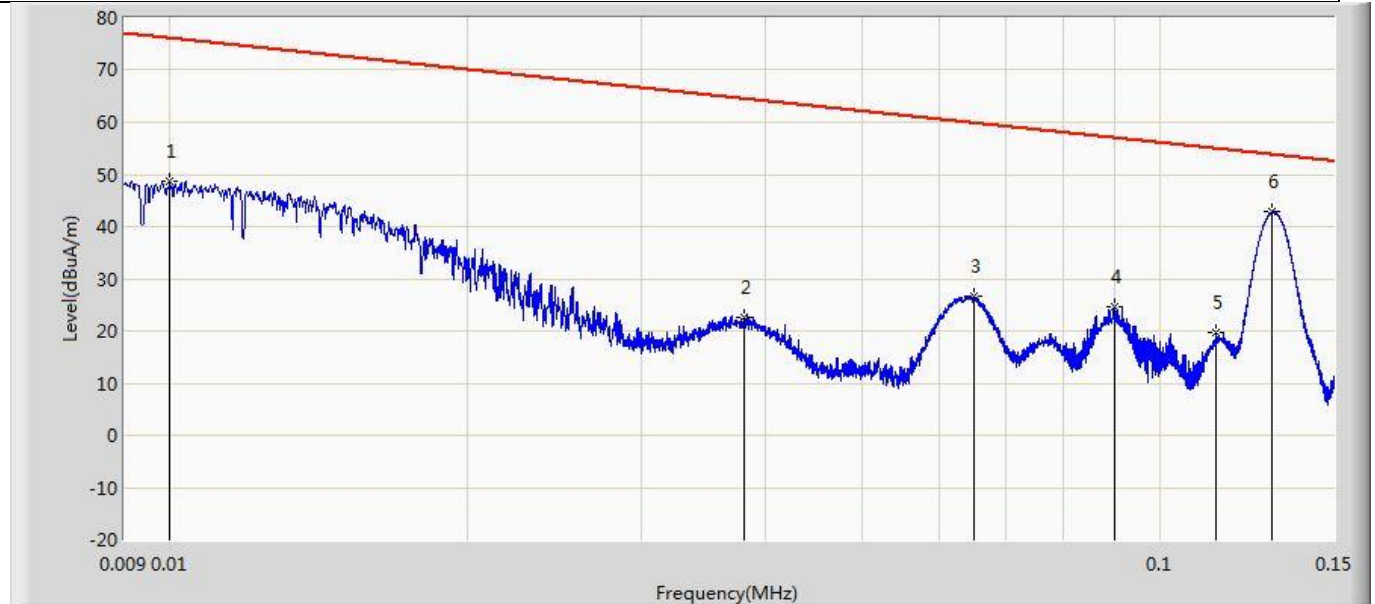
Profile: 2250163R	Page No.: 1
Engineer: Neil Liu	
Site: AC3	Time: 2022/05/20 - 13:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Horizontal
EUT: DL36SSD	Power: AC 120V/60HZ
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.012	48.819	27.694	-25.684	74.503	21.125	PK
2		0.024	33.831	12.334	-34.654	68.485	21.497	PK
3		0.038	23.383	1.452	-41.113	64.496	21.931	PK
4		0.065	25.893	3.959	-33.943	59.836	21.934	PK
5		0.087	25.270	3.362	-32.035	57.305	21.908	PK
6	*	0.130	45.069	23.209	-8.750	53.819	21.860	PK

Note: Mark 6 is the fundamental emission.

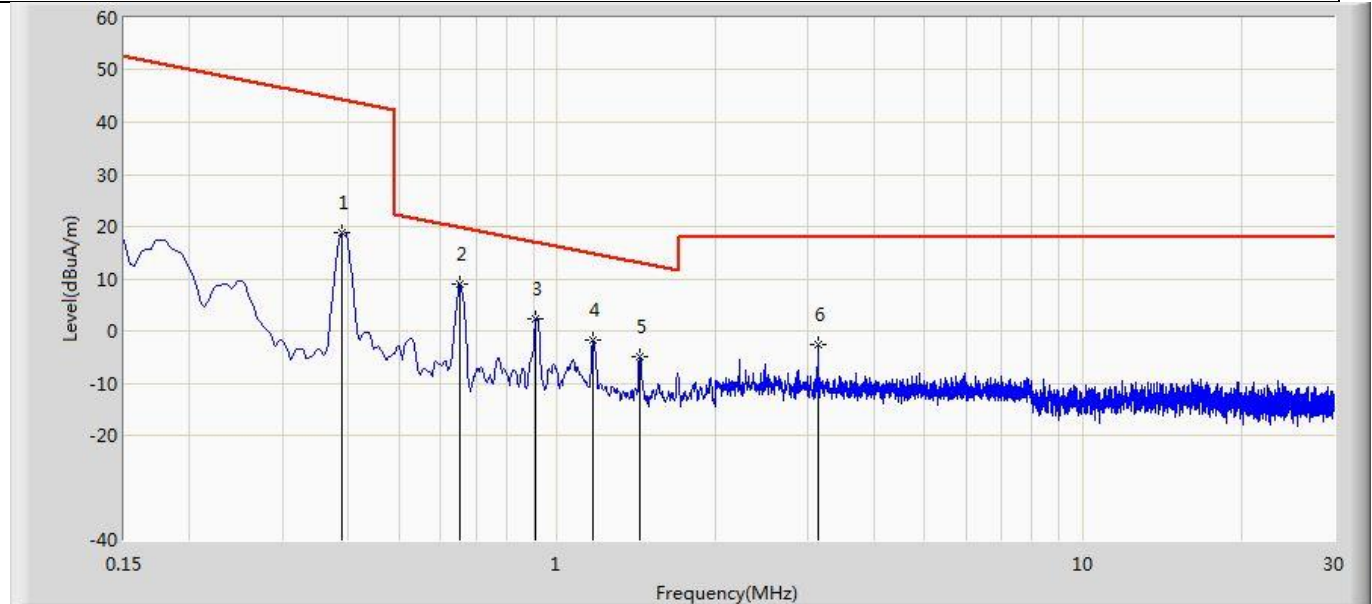
Profile: 2250163R	Page No.: 2
Engineer: Neil Liu	
Site: AC3	Time: 2022/05/20 - 19:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Vertical
EUT: DL36SSD	Power: AC 120V/60HZ
Note: Mode 1: Transmit	



No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.010	48.686	28.124	-27.399	76.085	20.562	PK
2		0.038	22.729	1.298	-41.767	64.496	21.431	PK
3		0.065	26.768	5.334	-33.068	59.836	21.434	PK
4		0.090	24.574	3.169	-32.437	57.011	21.405	PK
5		0.114	19.835	-1.542	-35.124	54.959	21.377	PK
6	*	0.130	42.902	21.542	-10.917	53.819	21.360	PK

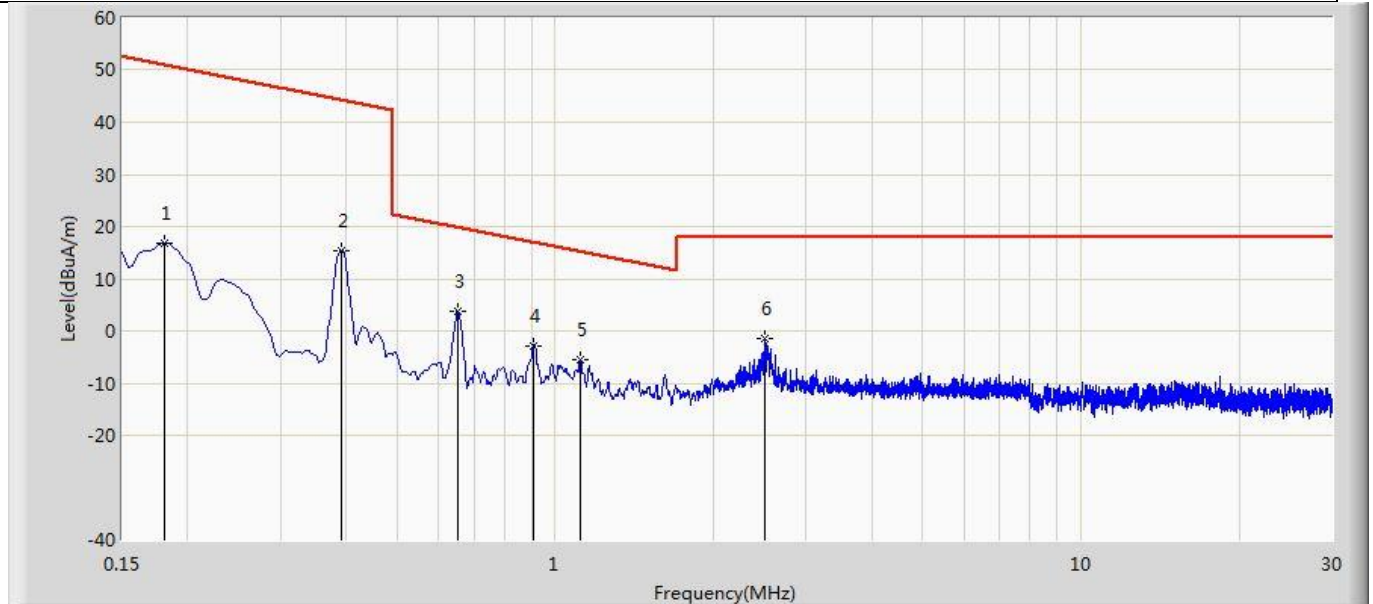
Note: Mark 6 is the fundamental emission.

Profile: 2250163R	Page No.: 3
Engineer: Neil Liu	
Site: AC3	Time: 2022/05/20 - 20:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Horizontal
EUT: DL36SSD	Power: AC 120V/60HZ
Note: Mode 1: Transmit	



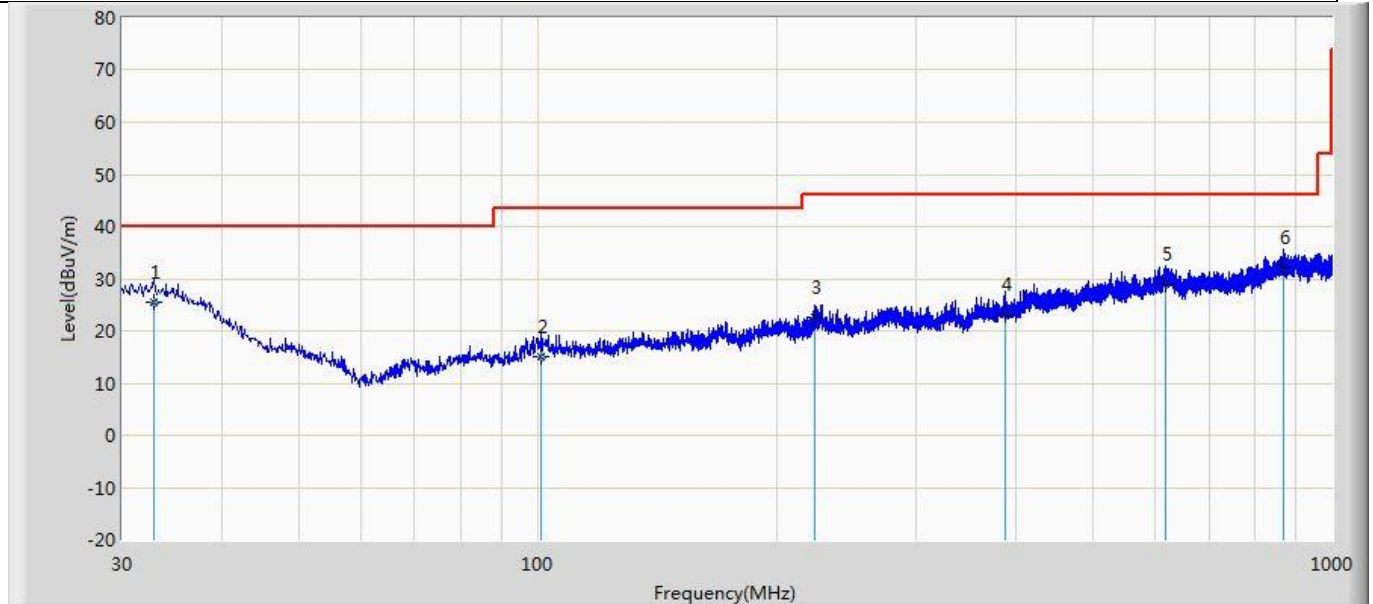
No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.389	18.931	-2.663	-25.373	44.304	21.594	PK
2	*	0.654	9.039	-11.963	-10.760	19.799	21.002	PK
3		0.911	2.460	-17.751	-14.469	16.929	20.211	PK
4		1.172	-1.863	-21.974	-16.609	14.747	20.111	PK
5		1.437	-4.955	-25.345	-17.936	12.981	20.390	PK
6		3.128	-2.538	-23.361	-20.538	18.000	20.823	PK

Profile: 2250163R	Page No.: 4
Engineer: Neil Liu	
Site: AC3	Time: 2022/05/20 - 20:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: RF(0.009-30MHz)	Polarity: Vertical
EUT: DL36SSD	Power: AC 120V/60HZ
Note: Mode 1: Transmit	



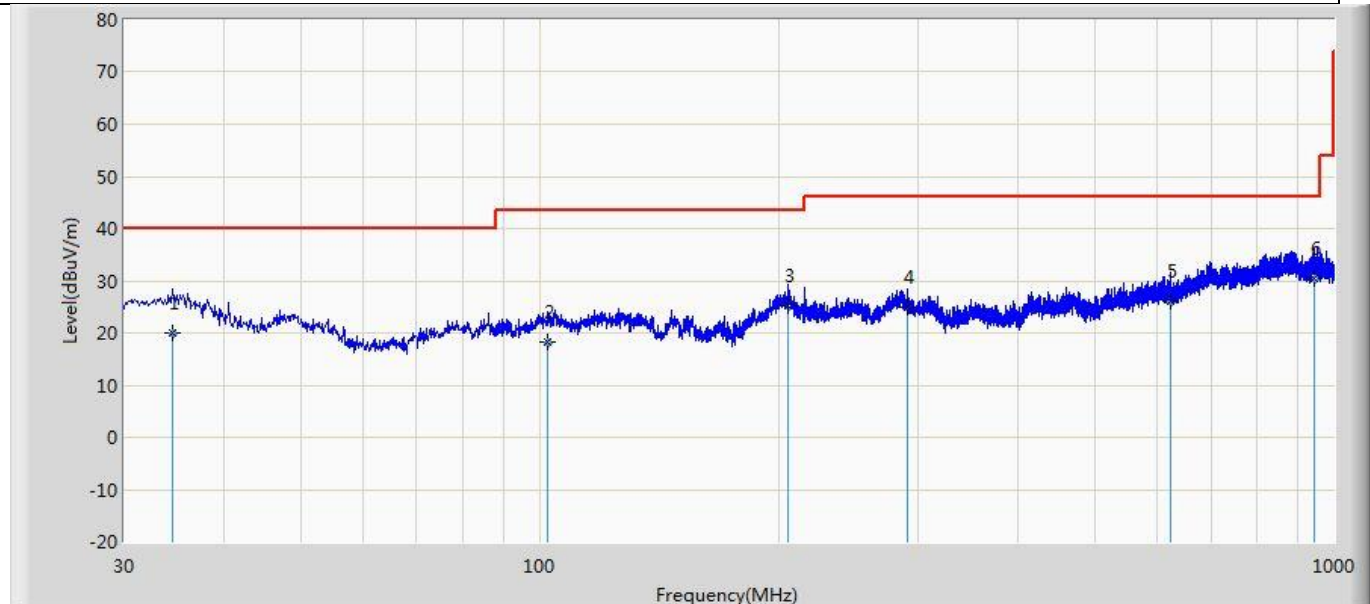
No	Mark	Frequency (MHz)	Measure Level (dBuA/m)	Reading Level (dBuA)	Over Limit (dB)	Limit (dBuA/m)	Factor (dB)	Type
1		0.180	16.714	-4.592	-34.280	50.994	21.306	PK
2		0.393	15.358	-5.732	-28.857	44.215	21.090	PK
3	*	0.654	3.904	-16.598	-15.895	19.799	20.502	PK
4		0.907	-2.886	-22.610	-19.853	16.967	19.724	PK
5		1.113	-5.593	-25.149	-20.787	15.194	19.556	PK
6		2.501	-1.434	-21.825	-19.434	18.000	20.390	PK

Profile: 2250163R	Page No.: 5
Engineer: Neil Liu	
Site: AC3	Time: 2022/05/20 - 20:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3m (30-1000MHz)	Polarity: Horizontal
EUT: DL36SSD	Power: AC 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		32.910	25.456	-1.620	-14.544	40.000	27.076	QP
2		101.174	14.978	-2.126	-28.522	43.500	17.105	QP
3		223.636	22.740	4.872	-23.260	46.000	17.868	QP
4		387.203	23.238	-1.524	-22.762	46.000	24.762	QP
5		617.456	29.048	-1.292	-16.952	46.000	30.340	QP
6	*	870.263	32.128	-0.819	-13.872	46.000	32.947	QP

Profile: 2250163R	Page No.: 6
Engineer: Neil Liu	
Site: AC3	Time: 2022/05/20 - 20:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: AC3_3m (30-1000MHz)	Polarity: Vertical
EUT: DL36SSD	Power: AC 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		34.486	20.110	-2.639	-19.890	40.000	22.748	QP
2		102.265	18.198	-3.917	-25.302	43.500	22.115	QP
3		205.327	25.233	1.766	-18.267	43.500	23.467	QP
4		290.203	24.939	0.231	-21.061	46.000	24.707	QP
5		623.883	26.085	-1.764	-19.915	46.000	27.849	QP
6	*	942.770	30.400	-3.430	-15.600	46.000	33.830	QP

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

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

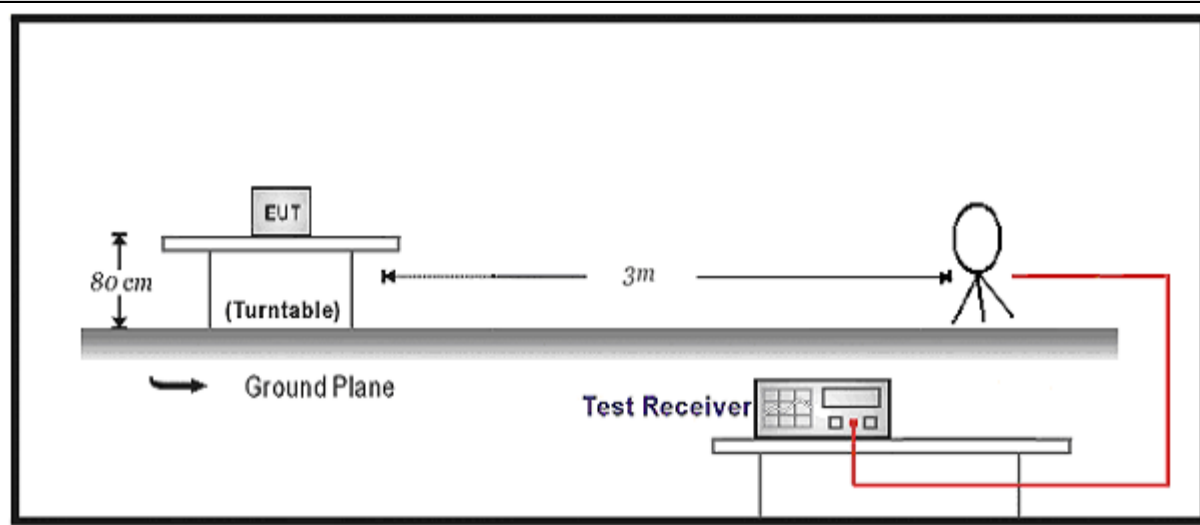
Note 3: The orthogonal orientations (x/y/z) of the shielded loop antenna are evaluated, shown in the report is the worst data.

Note 4: dBμA/m = dBμV/m – 51.5

4.3 20dB Bandwidth**VERDICT: PASS****4.3.1 Limit****Standard**

FCC Part 15 Subpart C

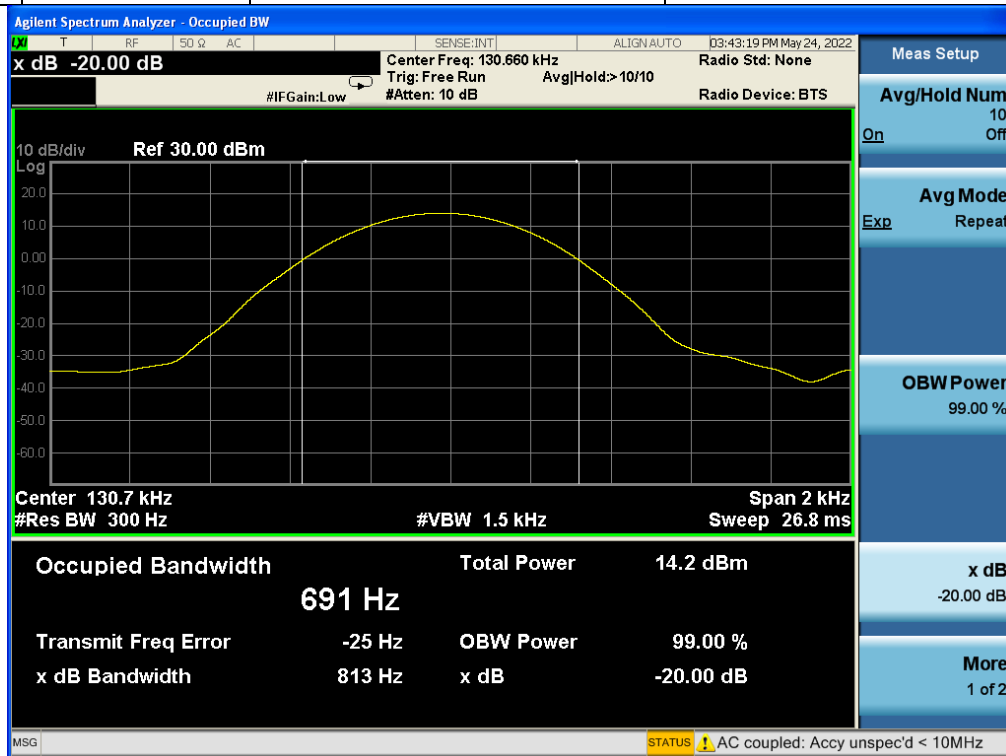
Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, 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	130.0	813	691	Pass



4.4 Antenna Requirement**VERDICT: PASS****4.4.1 Limit:**

Standard	FCC Part 15 Subpart C Paragraph 15.203
----------	--

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.

4.4.2 Antenna Connector Construction:

☒	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☐	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 pby LEase see appendix.

_____ The End _____