

FCC 47 CFR PART 15 SUBPART C

CERTIFICATION TEST REPORT

For

Wireless Power Transmission System

MODEL NUMBER: JTSHSSDL

REPORT NUMBER: 4791876636-2-RF-3

ISSUE DATE: July 24, 2025

FCC ID: U4GJTSHSSD

Prepared for

**Datalogic S.r.l.
Via San Vitalino, 13
40012 Lippo di Calderara di Reno (BO) – Italy**

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	July 24, 2025	Initial Issue	

Summary of Test Results		
Description of Test Item	Standard	Results
Radiated Emission Test	FCC 15.209	PASS
20dB Bandwidth	FCC 15.215	PASS
AC Power Line Conducted Emission	FCC Part 15.207	PASS
Note 1: This test report is only published to and used by the applicant, and it is not for evidence purpose in China.		
Note 2: The measurement result for the sample received is <Pass> according to < CFR 47 FCC PART 15 SUBPART C > when < Simple Acceptance > decision rule is applied		

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Datalogic S.r.l.
Address: Via San Vitalino, 13
40012 Lippo di Calderara di Reno (BO) – Italy

Manufacturer Information

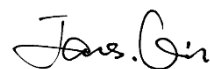
Company Name: Datalogic S.r.l.
Address: Via San Vitalino, 13
40012 Lippo di Calderara di Reno (BO) – Italy

EUT Information

EUT Name: Wireless Power Transmission System
Model: JTSHSSDL
Series Model: JTSHSSDCO
Model Difference: See section 5.1 for detail
Brand: DATALOGIC
Sample Received Date: July 1, 2025
Sample Status: Normal
Sample ID: 8740849-1 (JTSHSSDCO), 8740849-2 (JTSHSSDL)
Date of Tested: July 1, 2025 to July 15, 2025

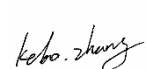
APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	PASS

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Checked By:



Kebo Zhang
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Approved By:



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2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC CFR 47 Part 2, KDB 414788 D01 Radiated Test Site v01r01, CFR 47 FCC Part 15, ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note 1: All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Conduction Emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Occupied Bandwidth	±0.0196%

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Wireless Power Transmission System	
Model	JTSHSSDL	
Series Model	JTSHSSDCO	
Model difference	Please refer to the declaration letter.	
Product Description	Operation Frequency	115 kHz to 145 kHz
Antenna type	Coil	
ADAPTER Ratings (for JTSHSSDL)	Input: 100-240 V~, 2.5 A, 50/60 Hz Output: 12.0 V===7.0 A 84 W	
ADAPTER Ratings (for JTSHSSDCO)	Input: 100-240 V~, 50/60 Hz, 0.5 A Output: 5.0 V===3.0 A 15 W, 9.0 V===2.0 A 18 W, 12.0 V===1.5 A 18 W	
EUT Ratings	Output: 15W Max	

5.2. TEST MODE

Test Mode	Description
M01	Working when the battery level of load is 1%
M02	Working when the battery level of load is 50%
M03	Working when the battery level of load is 99%
M04	Standby

Note: All modes have been tested, only the worst data of M01 was reported. depended on the difference, model JTSHSSDCO is only tested at M01.

5.3. ACCESSORY

SUPPORT EQUIPMENT

Item	Accessory	Brand Name	Model Name	Description
/	PDA	/	/	/

I/O CABLES

Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

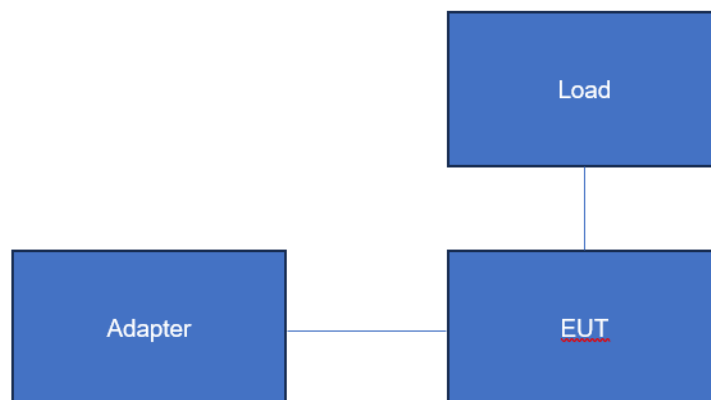
ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	AC Adapter (for JTSHSSDL)	EDAC	EA10951C-120	Input: 100-240 V~, 2.5 A, 50/60 Hz Output: 12.0 V $\equiv$ 7.0 A 84 W
2	AC Adapter (for JTSHSSDCO)	DATALOGIC	2ACP0183C	Input: 100-240 V~, 50/60 Hz, 0.5 A Output: 5.0 V 3.0 A 15 W, 9.0 V 2.0 A 18 W, 12.0 V 1.5 A 18 W
3	USB A to C cable (for JTSHSSDCO)	\	E342987	USB 3.0

TEST SETUP

The EUT support wireless charging.

SETUP DIAGRAM FOR TEST



6. MEASURING INSTRUMENT LIST

Test Equipment of Conducted emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	101961	Sep. 28, 2024	Sep. 27, 2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV216	101983	Sep. 28, 2024	Sep. 27, 2025
Test Software for Conducted Emission	Farad	EZ-EMC	Ver.UL-3A1	N/A	N/A

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep. 28, 2024	Sep. 27, 2025
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	Jun. 27, 2024	Jun. 28, 2027
Preamplifier	HP	8447D	2944A09099	Sep. 28, 2024	Sep. 27, 2025
Loop antenna	Schwarzbeck	1519B	00008	Dec.9, 2024	Dec.8, 2027
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Sep. 28, 2024	Sep. 27, 2025
Software					
Description		Manufacturer		Name	Version
Test Software for Radiated Emissions		Farad		EZ-EMC	Ver. UL-3A1

Other Instruments					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
PXA Signal Analyzer	Keysight	N9030A	MY55410512	Sep. 28, 2024	Sep. 27, 2025

7. 20dB BANDWIDTH TEST

LIMITS

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in § 15.215, 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.

TEST PROCEDURE

The transmitter is coupled to the spectrum analyzer. The RBW is set to 1 kHz. The VBW is set to 3 times the RBW. The sweep time is coupled. The spectrum analyzer internal 99% bandwidth function is utilized.

Note: Because the measured signal is CW or CW-like adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

The type of band for the signal is narrowband.

TEST SETUP

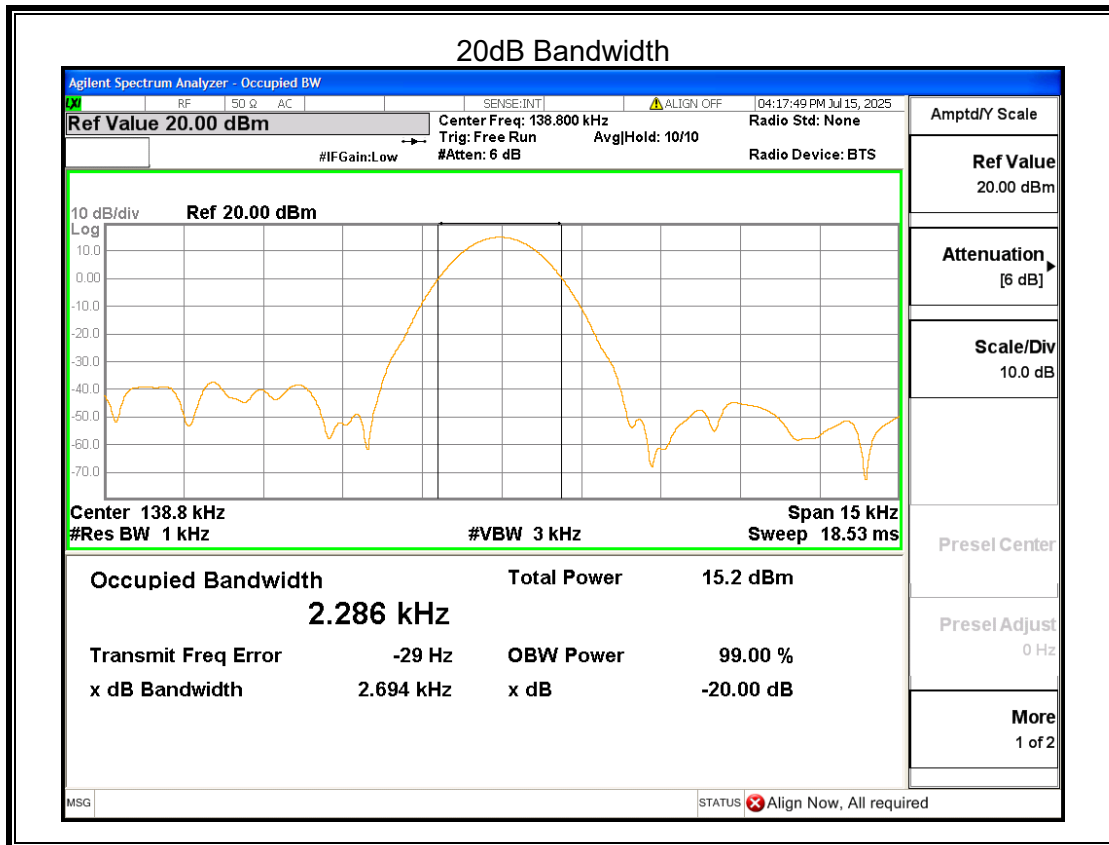


TEST ENVIRONMENT

Temperature	24.1 °C	Relative Humidity	68 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V, 60 Hz

RESULTS

Frequency (kHz)	20dB Bandwidth (kHz)
138.8	2.694



8. RADIATED EMISSION TEST

LIMITS

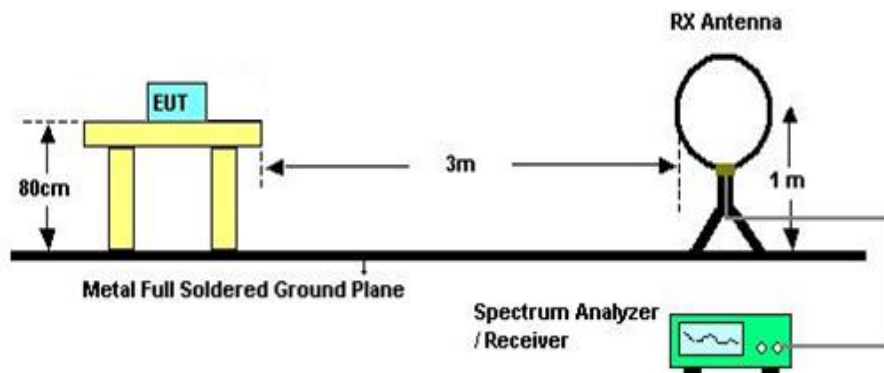
Please refer to CFR 47 FCC §15.205 and §15.209.

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

TEST SETUP AND PROCEDURE

Below 30 MHz

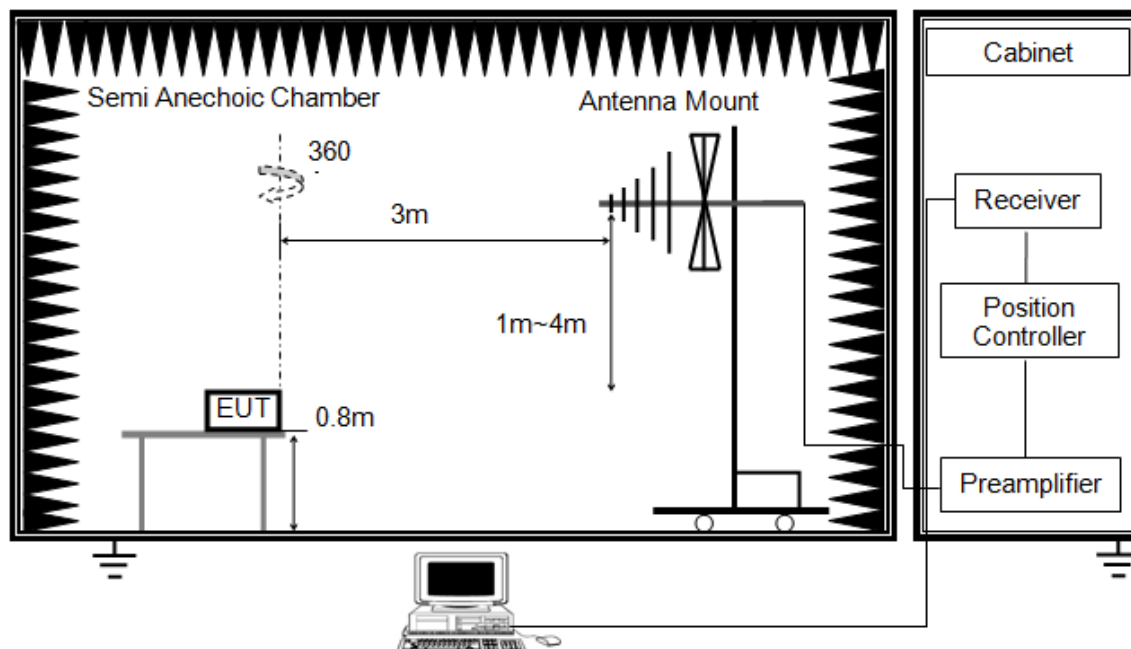


The setting of the spectrum analyser

RBW	200 Hz (From 9 kHz to 0.15 MHz) / 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz) / 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1.3 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30 m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

Below 1 GHz and above 30 MHz



The setting of the spectrum analyser

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
2. The EUT was 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. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

TEST ENVIRONMENT

Temperature	22.5 °C	Relative Humidity	59 %
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V, 60 Hz

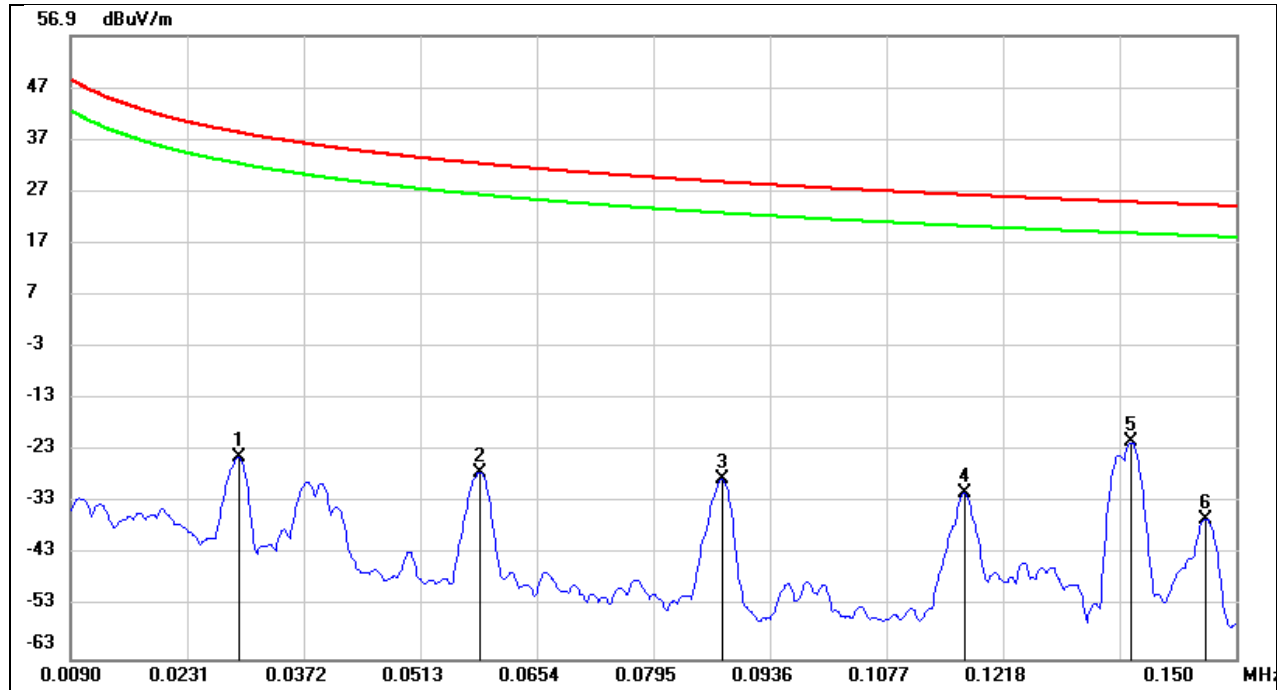
RESULTS

8.1. SPURIOUS EMISSIONS BELOW 30 MHz

8.1.1. Test result of JTSHSSDL

FCC PART 15C BELOW 30MHz SPURIOUS EMISSIONS (LOOP ANTENNA FACE ON TO THE EUT)

9 kHz ~ 150 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0292	66.61	-90.89	-24.28	38.29	-62.57	peak
2	0.0585	64.97	-92.08	-27.11	32.26	-59.37	peak
3	0.0878	64.01	-92.60	-28.59	28.73	-57.32	peak
4	0.1171	61.26	-92.49	-31.23	26.23	-57.46	peak
5	0.1373	70.96	-92.36	-21.40	24.85	-46.25	fundamental
6	0.1463	56.08	-92.30	-36.22	24.30	-60.52	peak

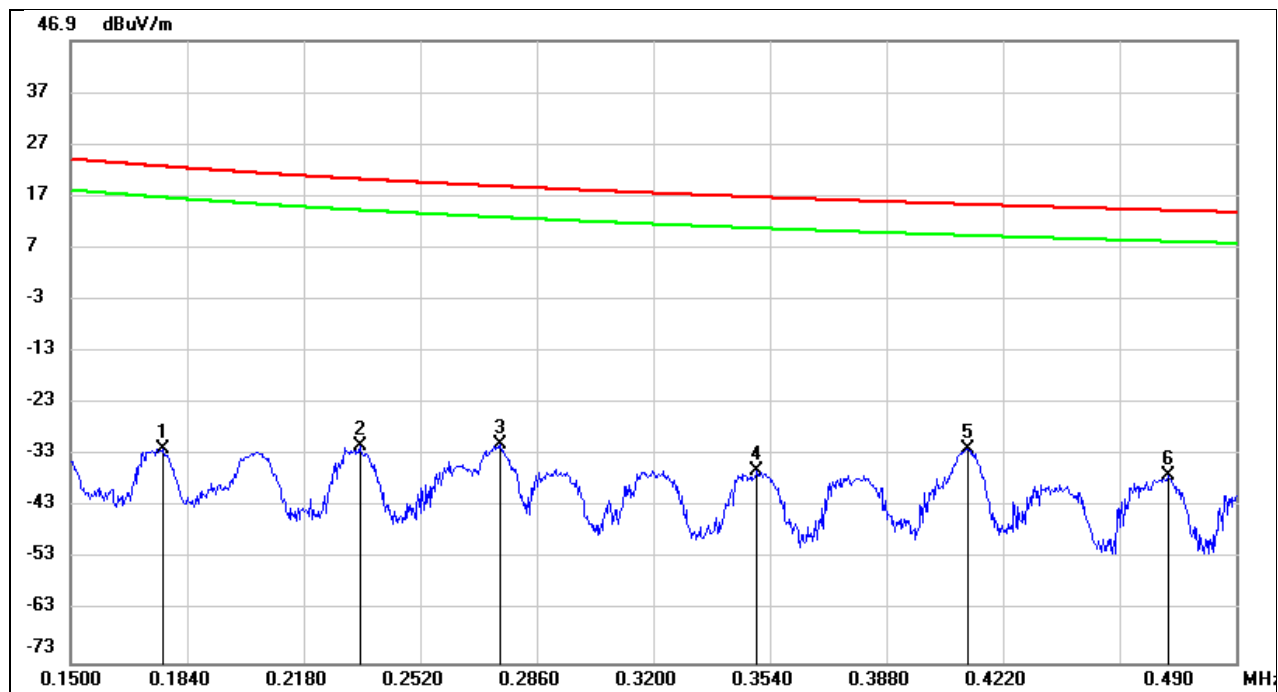
Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result are deemed to comply with AV limit.

3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. The test was performed at 3 m test site, but we added the corresponding factor to extrapolated the result to the specified distance according to FCC 15.31(f)(2).

150 kHz ~ 490 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1768	60.23	-92.10	-31.87	22.66	-54.53	peak
2	0.2343	60.77	-92.11	-31.34	20.21	-51.55	peak
3	0.2751	61.24	-92.29	-31.05	18.81	-49.86	peak
4	0.3503	56.45	-92.50	-36.05	16.71	-52.76	peak
5	0.4118	60.65	-92.62	-31.97	15.31	-47.28	peak
6	0.4703	55.74	-92.74	-37.00	14.16	-51.16	peak

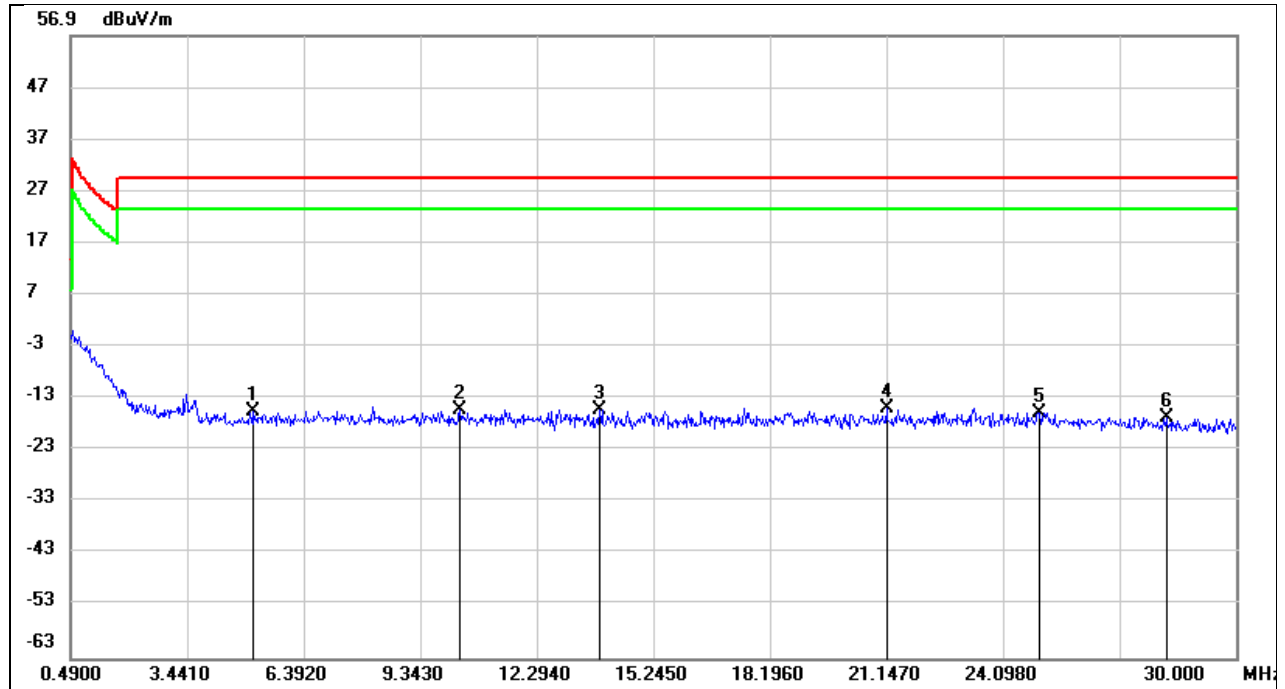
Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result are deemed to comply with AV limit.

3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. The test was performed at 3 m test site, but we added the corresponding factor to extrapolated the result to the specified distance according to FCC 15.31(f)(2).

490 kHz ~ 30 MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5.1230	35.83	-51.30	-15.47	29.54	-45.01	peak
2	10.3463	35.70	-50.88	-15.18	29.54	-44.72	peak
3	13.8875	35.35	-50.70	-15.35	29.54	-44.89	peak
4	21.1470	34.83	-49.79	-14.96	29.54	-44.50	peak
5	25.0128	33.60	-49.40	-15.80	29.54	-45.34	peak
6	28.2294	33.22	-49.86	-16.64	29.54	-46.18	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result are deemed to comply with AV limit.

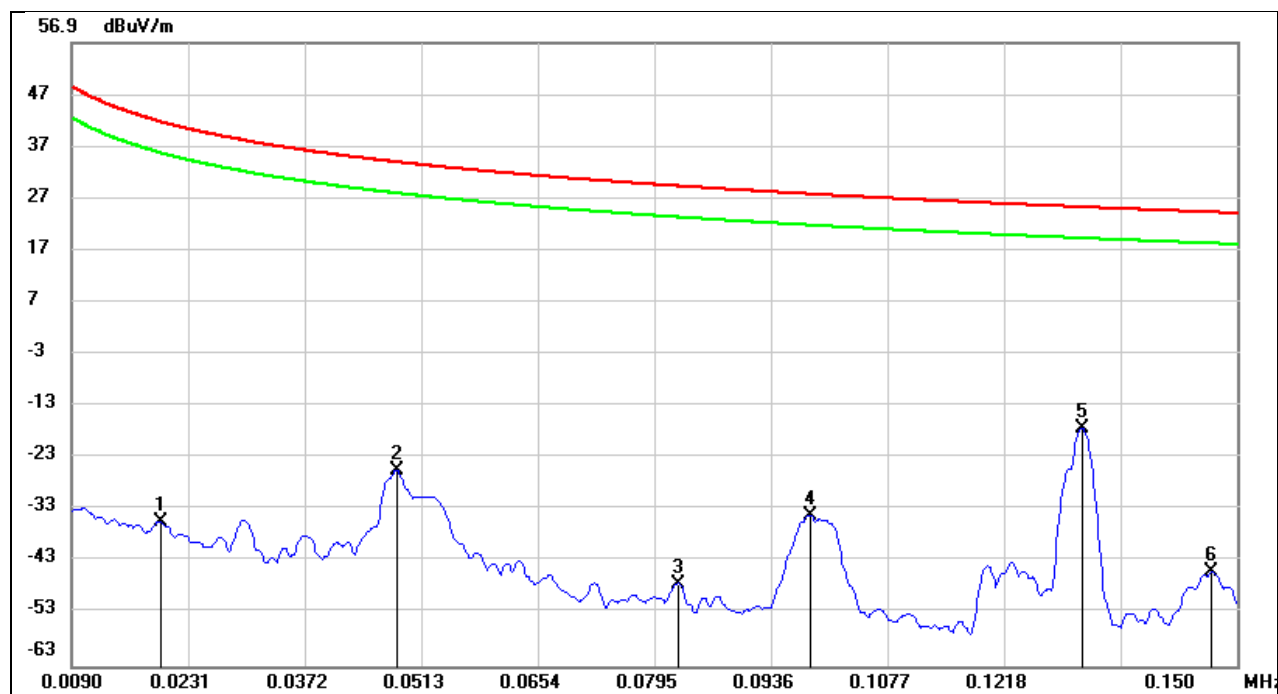
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. The test was performed at 3 m test site, but we added the corresponding factor to extrapolated the result to the specified distance according to FCC 15.31(f)(2).

8.1.2. Test result of JTSHSSDCO

FCC PART 15C BELOW 30MHz SPURIOUS EMISSIONS (LOOP ANTENNA FACE ON TO THE EUT)

9 kHz ~ 150 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0197	54.17	-89.43	-35.26	41.71	-76.97	peak
2	0.0482	66.19	-91.63	-25.44	33.94	-59.38	peak
3	0.0823	45.40	-92.60	-47.20	29.29	-76.49	peak
4	0.0983	58.58	-92.60	-34.02	27.75	-61.77	peak
5	0.1312	74.99	-92.40	-17.41	25.25	-42.66	fundamental
6	0.1469	47.21	-92.29	-45.08	24.26	-69.34	peak

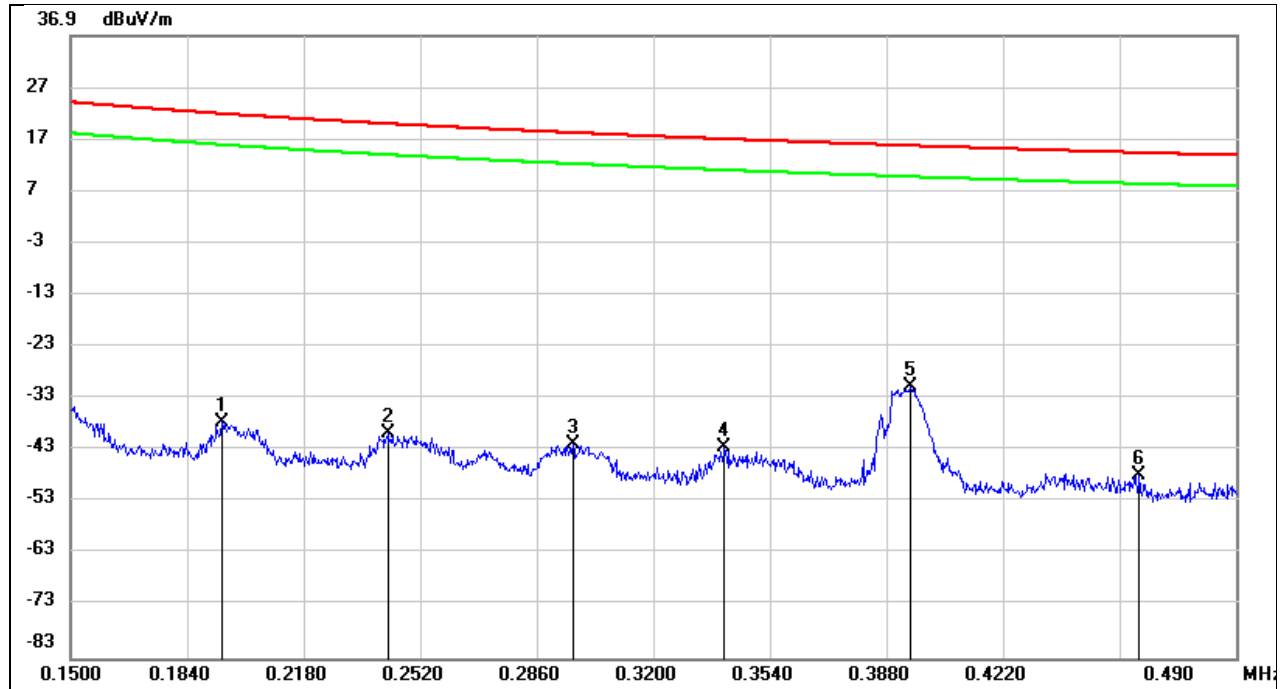
Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result are deemed to comply with AV limit.

3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. The test was performed at 3 m test site, but we added the corresponding factor to extrapolated the result to the specified distance according to FCC 15.31(f)(2).

150 kHz ~ 490 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1942	54.49	-91.99	-37.50	21.84	-59.34	peak
2	0.2425	52.36	-92.14	-39.78	19.91	-59.69	peak
3	0.2965	50.48	-92.39	-41.91	18.16	-60.07	peak
4	0.3407	49.90	-92.48	-42.58	16.95	-59.53	peak
5	0.3948	61.74	-92.59	-30.85	15.67	-46.52	peak
6	0.4618	45.00	-92.72	-47.72	14.31	-62.03	peak

Note: 1. Measurement = Reading Level + Correct Factor.

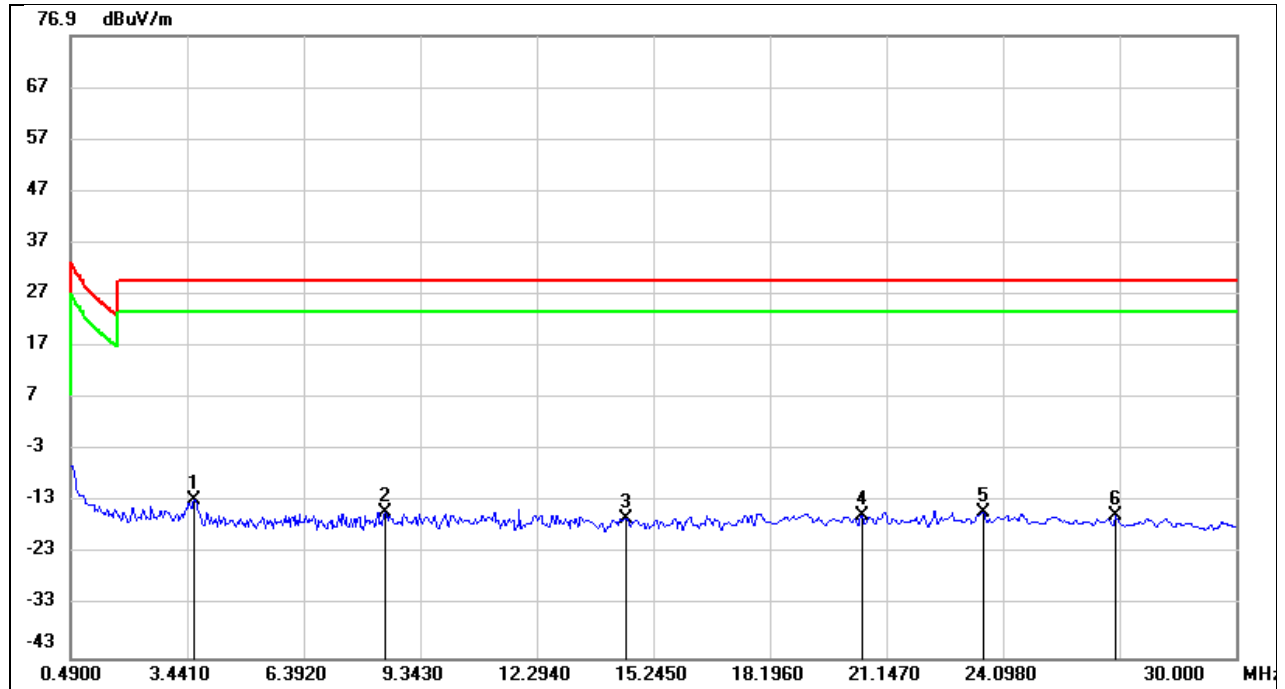
2. If Peak Result complies with AV limit, AV Result are deemed to comply with AV limit.

3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. The test was performed at 3 m test site, but we added the corresponding factor to extrapolated the result to the specified distance according to FCC 15.31(f)(2).

5. All the frequencies between mark 3 and mark 4 are the fundamental frequency which were transmitted by wireless module from EUT.

490 kHz ~ 30 MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3.6476	38.86	-51.38	-12.52	29.54	-42.06	peak
2	8.4577	36.13	-51.05	-14.92	29.54	-44.46	peak
3	14.5368	34.36	-50.67	-16.31	29.54	-45.85	peak
4	20.5273	34.17	-49.85	-15.68	29.54	-45.22	peak
5	23.5963	34.52	-49.54	-15.02	29.54	-44.56	peak
6	26.9603	33.88	-49.67	-15.79	29.54	-45.33	peak

Note: 1. Measurement = Reading Level + Correct Factor.

2. If Peak Result complies with AV limit, AV Result are deemed to comply with AV limit.

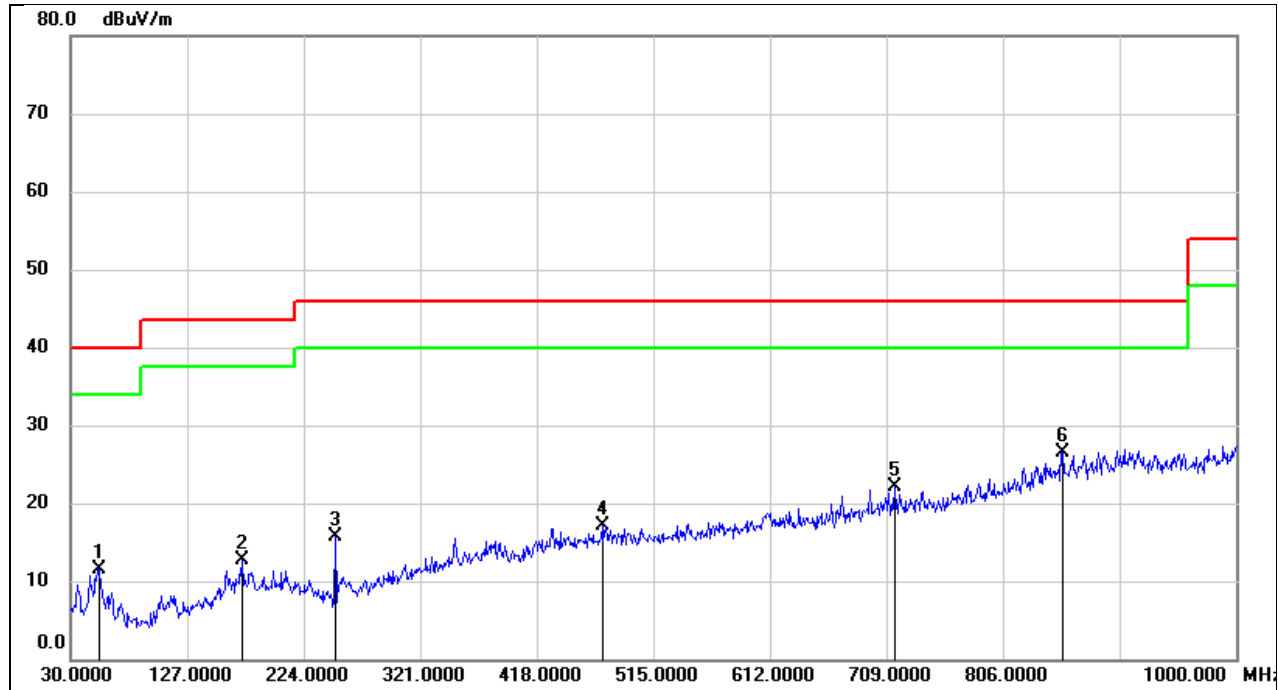
3. All 3 polarizations(Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.

4. The test was performed at 3 m test site, but we added the corresponding factor to extrapolated the result to the specified distance according to FCC 15.31(f)(2).

8.2. SPURIOUS EMISSIONS 30 MHz ~ 1 GHz

8.2.1. Test result of JTSHSSDL

FCC PART15C SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	53.2800	26.63	-15.03	11.60	40.00	-28.40	QP
2	172.5900	24.65	-12.03	12.62	43.50	-30.88	QP
3	250.1900	30.21	-14.56	15.65	46.00	-30.35	QP
4	472.3200	24.96	-7.94	17.02	46.00	-28.98	QP
5	715.7900	26.06	-4.01	22.05	46.00	-23.95	QP
6	855.4700	27.72	-1.20	26.52	46.00	-19.48	QP

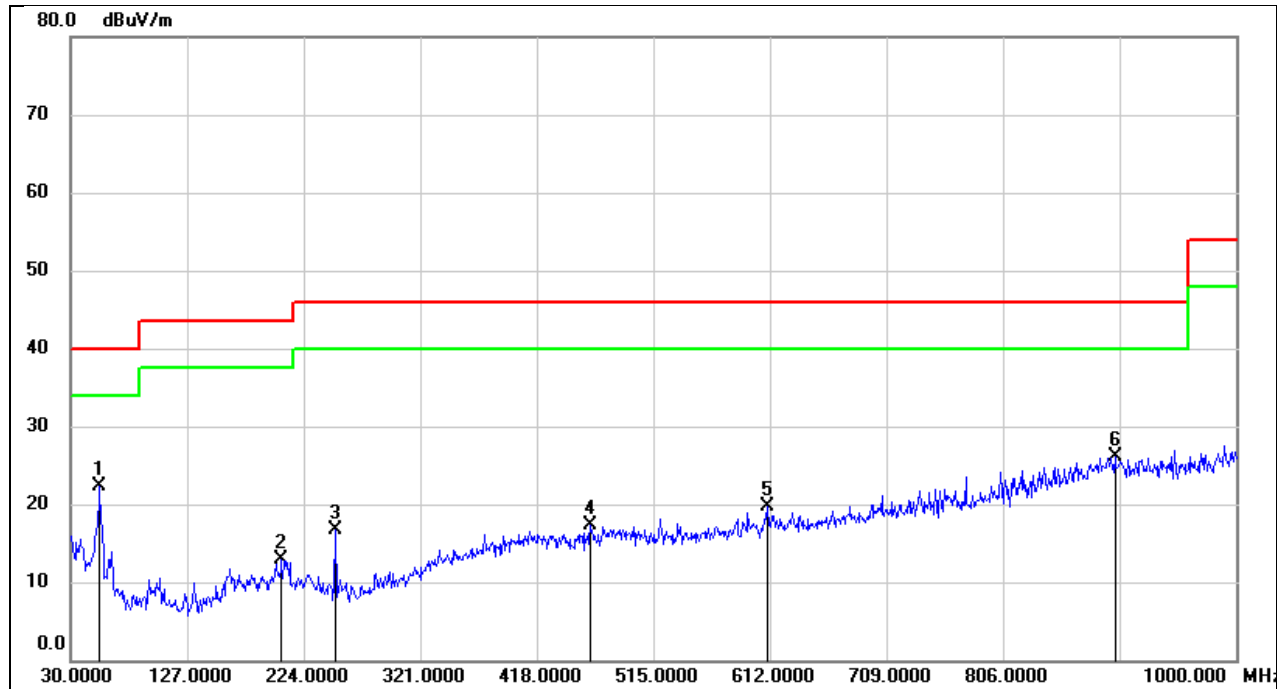
Note: 1. Result Level = Read Level + Correct Factor.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

4. All the noise are created from the digital circuit. It is not created by wireless charging circuit.

FCC PART15C SPURIOUS EMISSIONS (VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	54.2500	37.28	-15.02	22.26	40.00	-17.74	QP
2	205.5700	25.35	-12.52	12.83	43.50	-30.67	QP
3	250.1900	31.25	-14.56	16.69	46.00	-29.31	QP
4	462.6200	25.28	-8.02	17.26	46.00	-28.74	QP
5	610.0600	25.33	-5.71	19.62	46.00	-26.38	QP
6	899.1200	26.53	-0.45	26.08	46.00	-19.92	QP

Note: 1. Result Level = Read Level + Correct Factor.

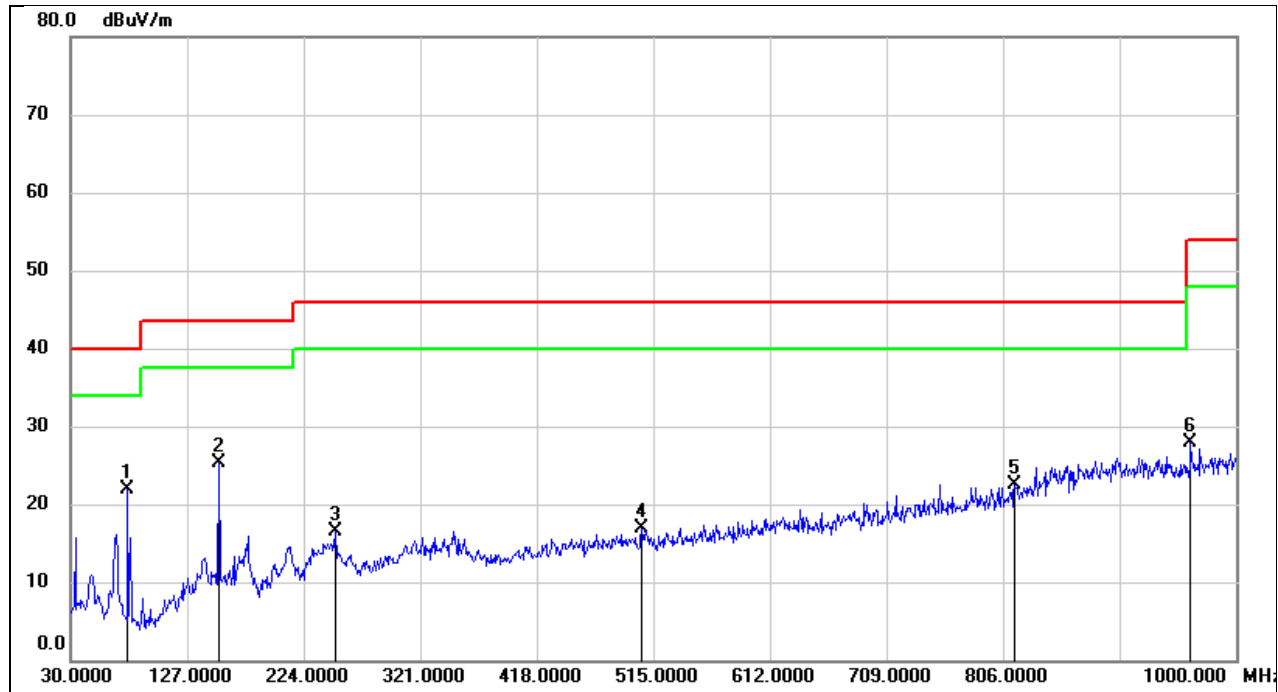
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

4. All the noise are created from the digital circuit. It is not created by wireless charging circuit.

8.2.3. Test result of JTSHSSDCO

FCC PART15C SPURIOUS EMISSIONS (HORIZONTAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	77.5300	37.81	-15.83	21.98	40.00	-18.02	QP
2	153.1900	38.60	-13.25	25.35	43.50	-18.15	QP
3	250.1900	31.12	-14.56	16.56	46.00	-29.44	QP
4	505.3000	24.42	-7.61	16.81	46.00	-29.19	QP
5	815.7000	24.77	-2.20	22.57	46.00	-23.43	QP
6	962.1700	28.59	-0.67	27.92	54.00	-26.08	QP

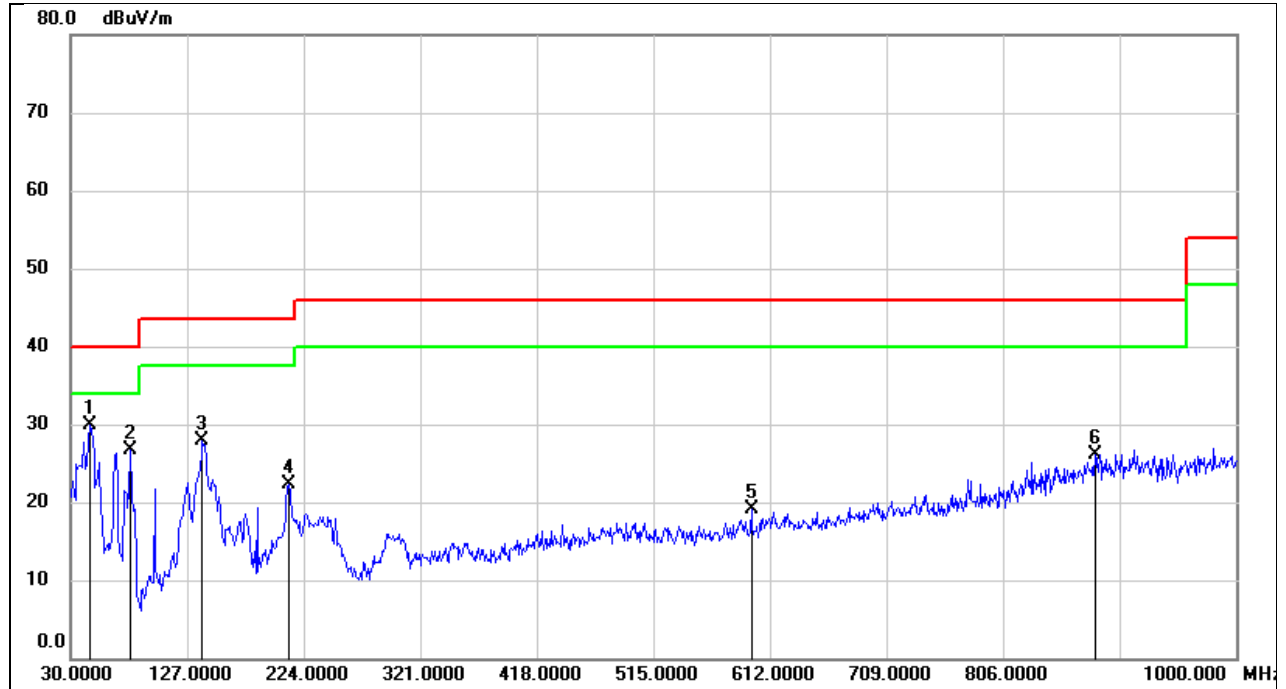
Note: 1. Result Level = Read Level + Correct Factor.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

4. All the noise are created from the digital circuit. It is not created by wireless charging circuit.

FCC PART15C SPURIOUS EMISSIONS (VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	46.4900	44.90	-14.97	29.93	40.00	-10.07	QP
2	79.4700	42.76	-15.97	26.79	40.00	-13.21	QP
3	139.6100	41.91	-14.00	27.91	43.50	-15.59	QP
4	211.3900	35.00	-12.75	22.25	43.50	-21.25	QP
5	596.4800	24.99	-5.83	19.16	46.00	-26.84	QP
6	882.6300	26.93	-0.74	26.19	46.00	-19.81	QP

Note: 1. Result Level = Read Level + Correct Factor.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

4. All the noise are created from the digital circuit. It is not created by wireless charging circuit.

9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a).

FREQUENCY (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

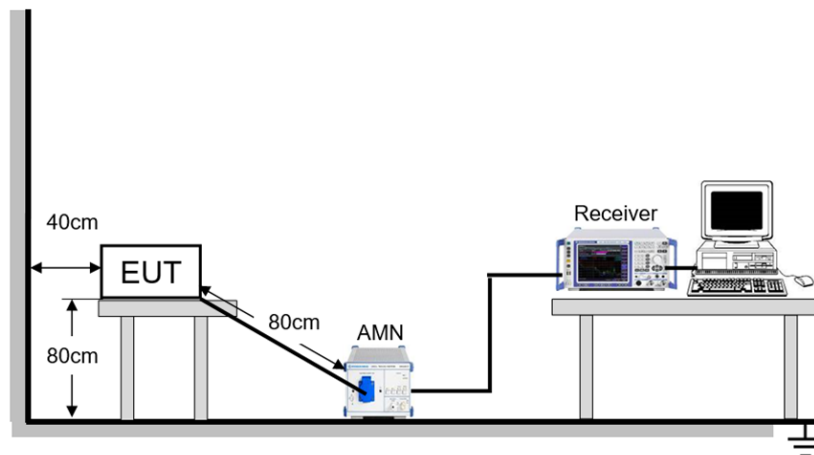
TEST SETUP AND PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

TEST SETUP

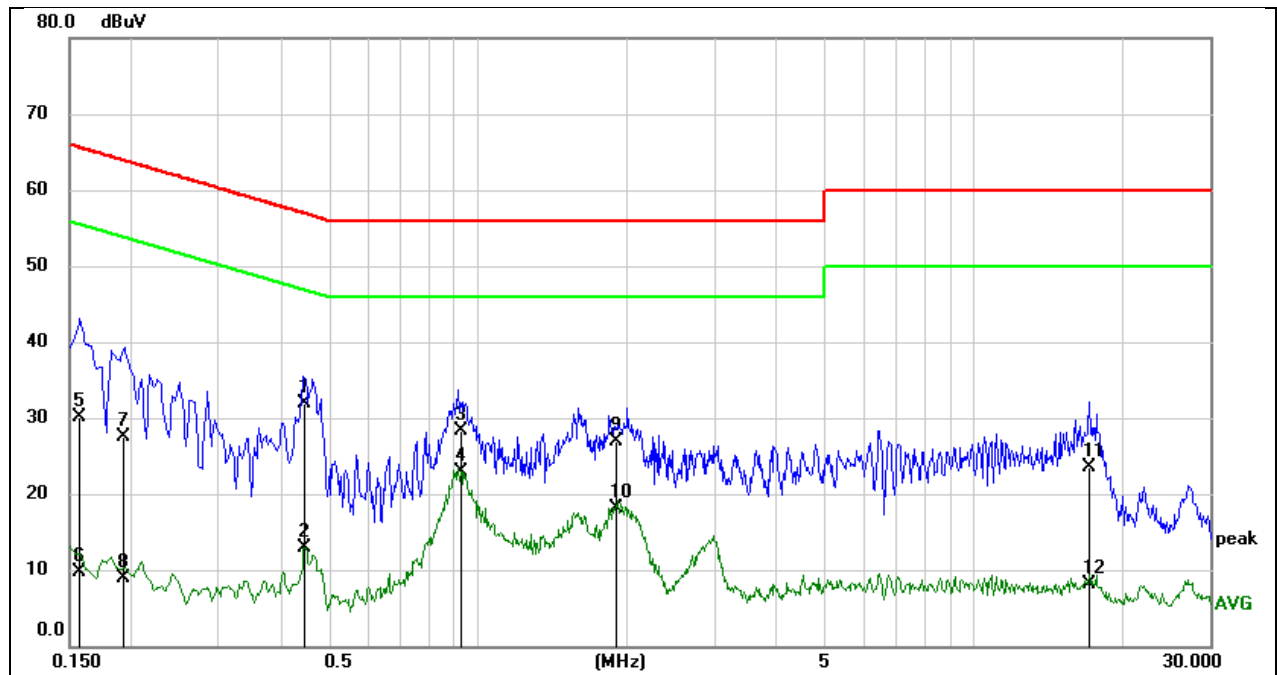


TEST ENVIRONMENT

Temperature	25.3 °C	Relative Humidity	53.7%
Atmosphere Pressure	101 kPa	Test Voltage	AC 120 V, 60 Hz

TEST RESULTS of JTSHSSDL

Test Mode:	M01	Test Voltage	AC 120 V/60 Hz
Line	Line		

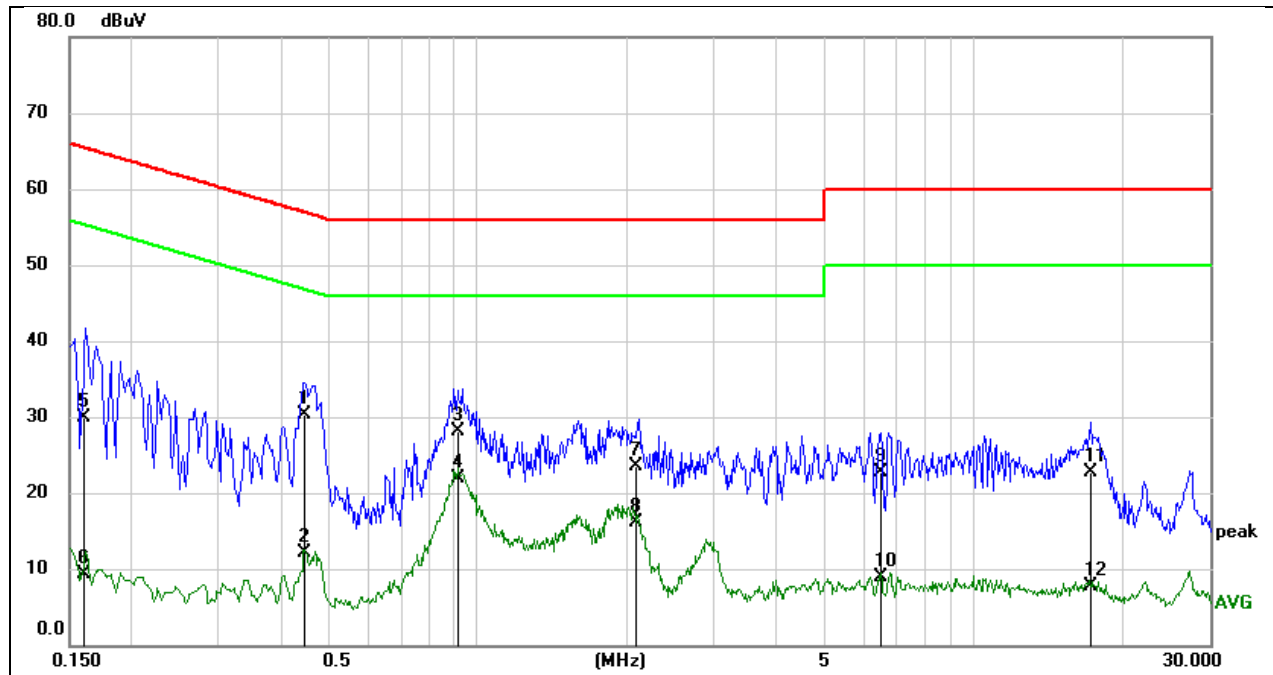


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4472	22.17	9.64	31.81	56.93	-25.12	QP
2	0.4472	3.17	9.64	12.81	46.93	-34.12	AVG
3	0.9245	18.74	9.63	28.37	56.00	-27.63	QP
4	0.9245	13.19	9.63	22.82	46.00	-23.18	AVG
5	0.1573	20.33	9.73	30.06	65.61	-35.55	QP
6	0.1573	-0.01	9.73	9.72	55.61	-45.89	AVG
7	0.1920	17.82	9.66	27.48	63.95	-36.47	QP
8	0.1920	-0.79	9.66	8.87	53.95	-45.08	AVG
9	1.9091	17.17	9.73	26.90	56.00	-29.10	QP
10	1.9091	8.36	9.73	18.09	46.00	-27.91	AVG
11	17.1415	13.84	9.74	23.58	60.00	-36.42	QP
12	17.1415	-1.61	9.74	8.13	50.00	-41.87	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Test Mode:	M01	Test Voltage	AC 120 V/60 Hz
Line	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.4499	20.66	9.64	30.30	56.88	-26.58	QP
2	0.4499	2.43	9.64	12.07	46.88	-34.81	AVG
3	0.9216	18.53	9.63	28.16	56.00	-27.84	QP
4	0.9216	12.28	9.63	21.91	46.00	-24.09	AVG
5	0.1593	20.25	9.64	29.89	65.50	-35.61	QP
6	0.1593	-0.43	9.64	9.21	55.50	-46.29	AVG
7	2.0692	13.86	9.64	23.50	56.00	-32.50	QP
8	2.0692	6.48	9.64	16.12	46.00	-29.88	AVG
9	6.4952	12.99	9.71	22.70	60.00	-37.30	QP
10	6.4952	-0.77	9.71	8.94	50.00	-41.06	AVG
11	17.1931	12.90	9.74	22.64	60.00	-37.36	QP
12	17.1931	-2.11	9.74	7.63	50.00	-42.37	AVG

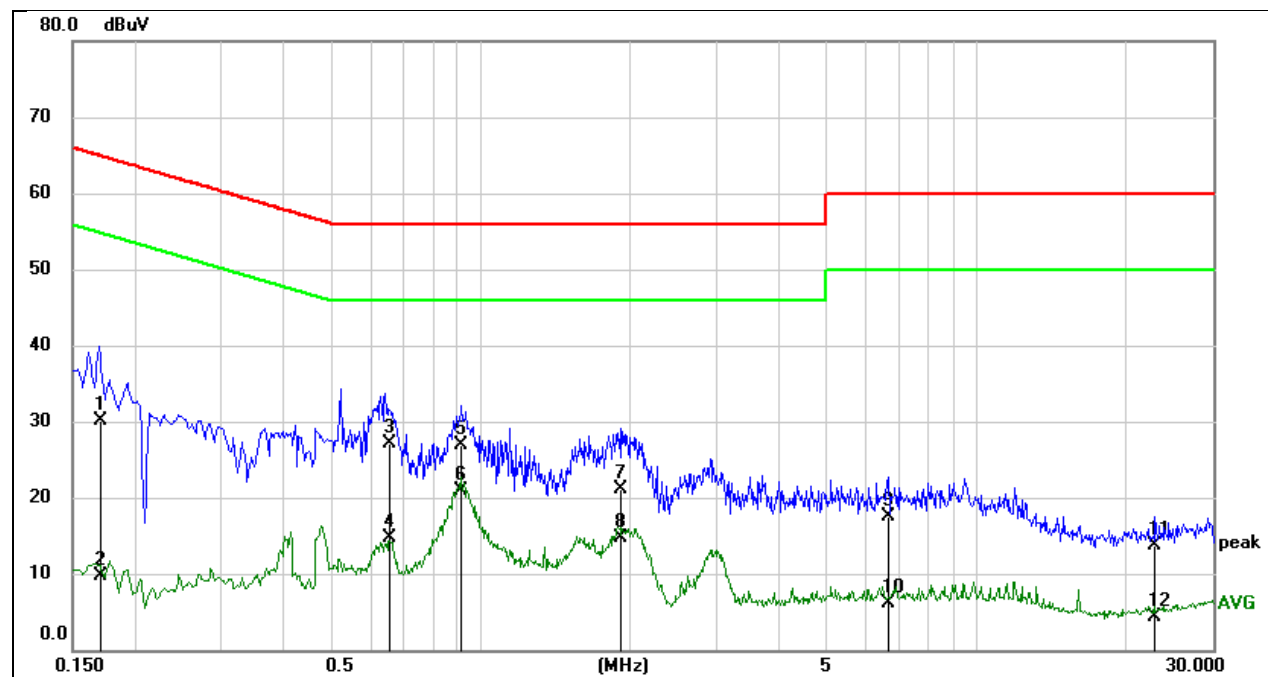
Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

TEST RESULTS of JTSHSSDCO

Test Mode:	M02	Test Voltage	AC 120 V/60 Hz
Line	Line		

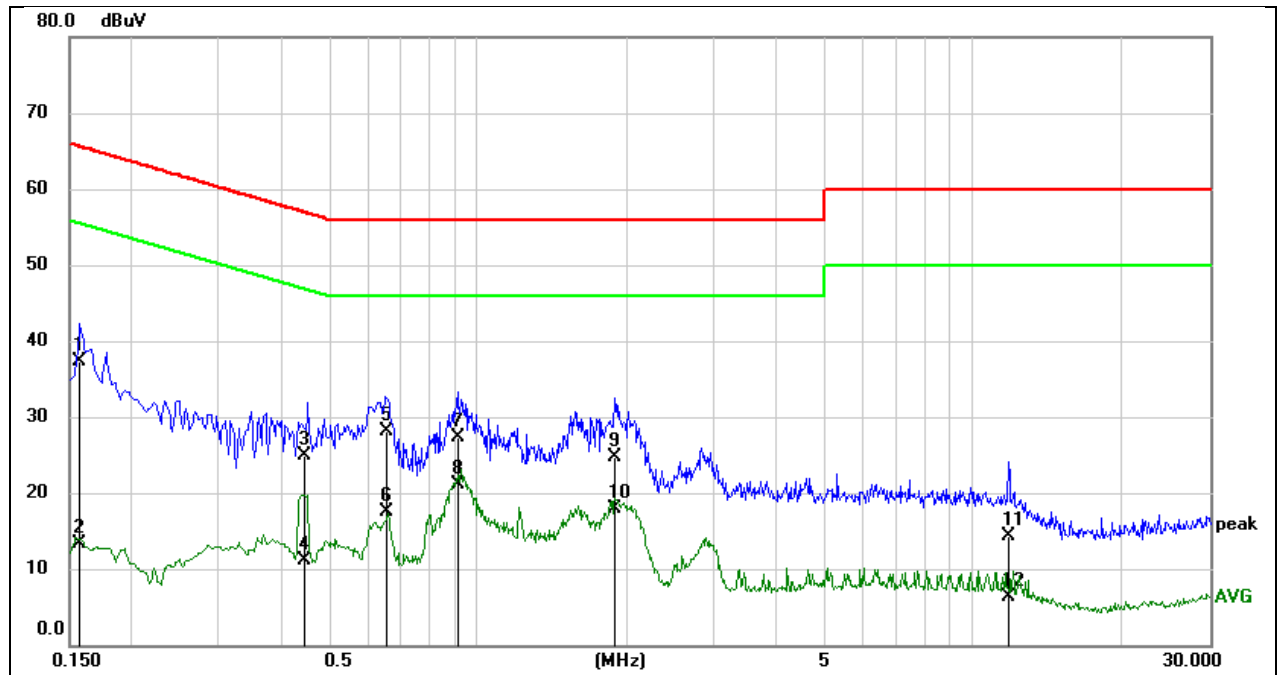


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1705	20.34	9.70	30.04	64.94	-34.90	QP
2	0.1705	0.07	9.70	9.77	54.94	-45.17	AVG
3	0.6564	17.57	9.63	27.20	56.00	-28.80	QP
4	0.6564	5.06	9.63	14.69	46.00	-31.31	AVG
5	0.9153	17.20	9.63	26.83	56.00	-29.17	QP
6	0.9153	11.18	9.63	20.81	46.00	-25.19	AVG
7	1.9166	11.32	9.73	21.05	56.00	-34.95	QP
8	1.9166	5.05	9.73	14.78	46.00	-31.22	AVG
9	6.6323	7.76	9.73	17.49	60.00	-42.51	QP
10	6.6323	-3.54	9.73	6.19	50.00	-43.81	AVG
11	22.9394	3.89	9.72	13.61	60.00	-46.39	QP
12	22.9394	-5.33	9.72	4.39	50.00	-45.61	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Test Mode:	M02	Test Voltage	AC 120 V/60 Hz
Line	Neutral		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1573	27.64	9.64	37.28	65.61	-28.33	QP
2	0.1573	3.72	9.64	13.36	55.61	-42.25	AVG
3	0.4497	15.22	9.64	24.86	56.88	-32.02	QP
4	0.4497	1.46	9.64	11.10	46.88	-35.78	AVG
5	0.6563	18.49	9.63	28.12	56.00	-27.88	QP
6	0.6563	7.85	9.63	17.48	46.00	-28.52	AVG
7	0.9200	17.75	9.63	27.38	56.00	-28.62	QP
8	0.9200	11.39	9.63	21.02	46.00	-24.98	AVG
9	1.9002	15.11	9.64	24.75	56.00	-31.25	QP
10	1.9002	8.22	9.64	17.86	46.00	-28.14	AVG
11	11.8303	4.54	9.73	14.27	60.00	-45.73	QP
12	11.8303	-3.39	9.73	6.34	50.00	-43.66	AVG

Note:

1. Result = Reading + Correct Factor.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.

END OF REPORT