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FCC TEST REPORT

Report No.: STS2304061W02

Issued for

Shenzhen Yize Innovation Technology Co., Ltd.

201, 2nd Floor, Building 3, Yunli Smart Park, Bantian Street,
Longgang District, Shenzhen, CN

Product Name:	Fast Wireless Charger
Brand:	N/A
Model Number:	K2
Series Model(s):	N/A
FCC ID:	2BA6N-K2
Test Standard:	FCC Part 15 Subpart C

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Shenzhen STS Test Services Co., Ltd.
A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ,
Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China
TEL: +86-755 3688 6288 FAX: +86-755 3688 6277 E-mail: sts@stsapp.com



**TEST RESULT CERTIFICATION**

Applicant's Name: Shenzhen Yize Innovation Technology Co., Ltd.
Address.....: 201, 2nd Floor, Building 3, Yunli Smart Park, Bantian Street,
Longgang District, Shenzhen, CN
Manufacturer's Name: DongGuan RuiHong Lian Technology Co.,Ltd.
Address.....: Floor 3, building 2, No.12, Yongqiang Road, Huangjiang Town,
Dongguan City, Guangdong Province, China

Product Description

Product Name: Fast Wireless Charger
Brand: N/A
Model Number.....: K2
Series Model(s): N/A

Test Standards.....: FCC Part 15 Subpart C

Test Procedure: ANSI C63.10-2013

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Date of Test.....:

Date of receipt of test item: 19 Apr. 2023

Date (s) of performance of tests : 19 Apr. 2023 ~ 07 June 2023

Date of Issue: 07 June 2023

Test Result: **Pass**

Testing Engineer :

(Chris Chen)

Technical Manager :

(Sean She)

Authorized Signatory :

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	07 June 2023	STS2304061W02	ALL	Initial Issue





1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.209(a)	Radiated emission, Spurious Emission	PASS	
15.215	20 dB Bandwidth	PASS	

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : A 1/F, Building B, Zhuoke Science Park, No.190 Chongqing Road, HepingShequ, Fuyong Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 1.197\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.896\text{dB}$
3	All emissions, radiated 9K-30MHz	$\pm 3.84\text{dB}$
4	All emissions, radiated 30M-1GHz	$\pm 3.94\text{dB}$
5	All emissions, radiated 1G-6GHz	$\pm 4.59\text{dB}$
6	All emissions, radiated >6G	$\pm 5.22\text{dB}$
7	Conducted Emission (9KHz-150KHz)	$\pm 2.14\text{dB}$
8	Conducted Emission (150KHz-30MHz)	$\pm 2.54\text{dB}$
9	Occupied Channel Bandwidth	$\pm 3.5\%$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Fast Wireless Charger
Brand	N/A
Model Number	K2
Series Model(s)	N/A
Model Difference	N/A
Channel List	Please refer to the Note 2.
Antenna Type	Please refer to the Note 3.
Equipemnt Category	Non-ISM frequency
Operating frequency	110.5-205KHz
Modulation Type	Load modulation
Rating:	Input: DC 5V 3A, DC 9V 2A, DC 12V 1.5A Output: 15W Max/10W/7.5W/5W
Hardware version number	N/A
Software version number	N/A
Connecting I/O Port(s)	Please refer to the Note 1.

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. Coil 1

Channel List					
Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)
00	128.4	/	/	/	/

Coil 2

Channel List					
Channel	Frequency (KHz)	Channel	Frequency (KHz)	Channel	Frequency (KHz)
01	128.4	/	/	/	/

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	N/A	K2	Coil 1	N/A	Antenna
2	N/A	K2	Coil 2	N/A	Antenna

2.2 DESCRIPTION OF THE TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	Standby (No load)
Mode 2	Coil antenna 1_Charging+TX Mode (Low load_5W)
Mode 3	Coil antenna 1_Charging+TX Mode (Half load_7.5W)
Mode 4	Coil antenna 1_Charging+TX Mode (Full load_15W)
Mode 5	Coil antenna 2_Charging+TX Mode (Low load_5W)
Mode 6	Coil antenna 2_Charging+TX Mode (Half load_7.5W)
Mode 7	Coil antenna 2_Charging+TX Mode (Full load_15W)

For Conducted Emission	
Final Test Mode	Description
Mode 4	Coil antenna 1_Charging+TX Mode (Full load_15W)
Mode 7	Coil antenna 2_Charging+TX Mode (Full load_15W)

For Radiated Emission	
Final Test Mode	Description
Mode 4	Coil antenna 1_Charging+TX Mode (Full load_15W)
Mode 7	Coil antenna 2_Charging+TX Mode (Full load_15W)

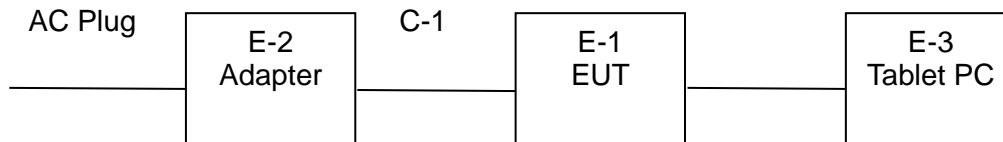
Note:

- All modes have been tested, and the worst-case mode is Mode 4(Coil 1) and Mode 7(Coil 2). The report only reflects the worst-case mode.
- Coil 1 or Coil 2:
Input: DC 5V 3A, Output: 5W.
Input: DC 9V 2A, Output: 7.5W/10W.
Input: DC 12V 1.5A, Output: 15W.
- Coil 1 and coil 2 cannot work simultaneously, the double coils at the transmitting end is to ensure that the plate can be charged at any position.

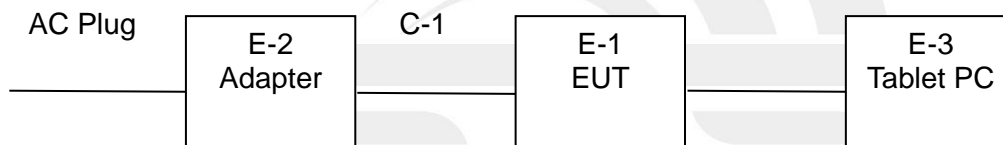
2.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters

Radiated Emission Test



Conducted Emission Test





2.4 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Necessary accessories

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
C-1	DC Cable	N/A	N/A	100cm	NO
E-3	Tablet PC	kindle	N/A	N/A	NO

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Length	Note
E-2	Adapter	HUAWEI	HW-050450C00	N/A	N/A

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2022.09.29	2023.09.28
Signal Analyzer	R&S	FSV 40-N	101823	2022.09.29	2023.09.28
Active loop Antenna	ZHINAN	ZN30900C	16035	2023.02.28	2024.02.27
Bilog Antenna	TESEQ	CBL6111D	34678	2022.09.30	2024.09.29
Pre-Amplifier (0.1M-3GHz)	EM	EM330	060665	2022.07.04	2023.07.03
Temperature & Humidity	HH660	Mieo	N/A	2022.09.30	2023.09.29
Test SW	BALUN	BL410-E/18.905			

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Test Receiver	R&S	ESCI	101427	2022.09.29	2023.09.28
LISN	R&S	ENV216	101242	2022.09.28	2023.09.27
LISN	EMCO	3810/2NM	23625	2022.09.28	2023.09.27
Temperature & Humidity	HH660	Mieo	N/A	2022.09.30	2023.09.29
Test SW	FARAD	EZ-EMC(Ver.STSLAB-03A1 CE)			



3. CONDUCTED EMISSION TEST RESULT (SECTION 15.207)

3.1 POWER LINE CONDUCTED EMISSION LIMITS

The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table.

FREQUENCY (MHz)	Class B (dBuV)	
	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

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of “*” marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

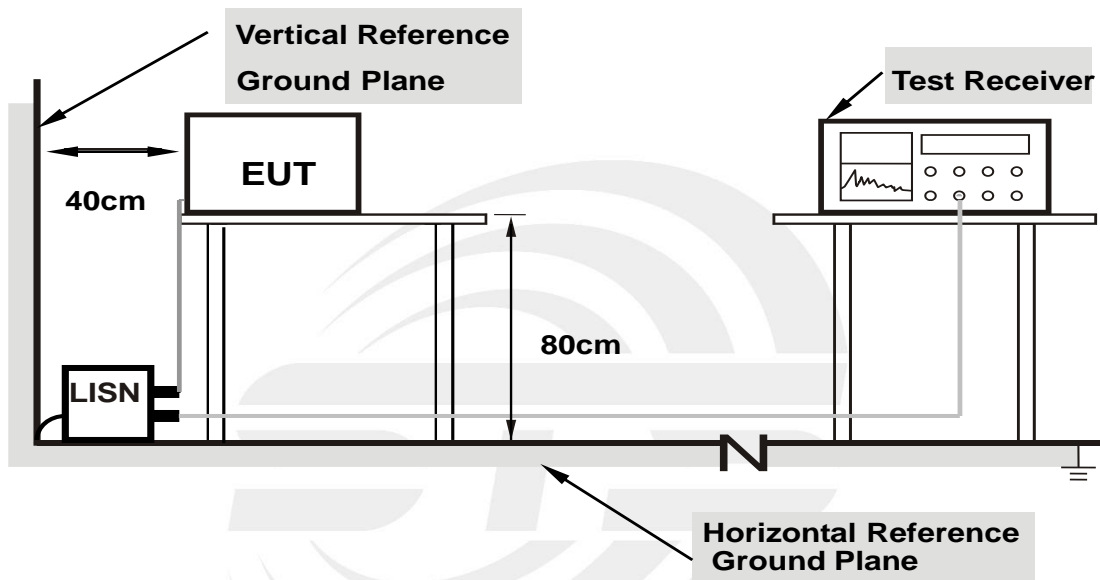
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.2 TEST PROCEDURE

- The EUT is 0.8 m from the horizontal ground plane and 0.4 m from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments are powered from additional LISN(s). The LISN provides 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN is at least 80 cm from the nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

3.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.



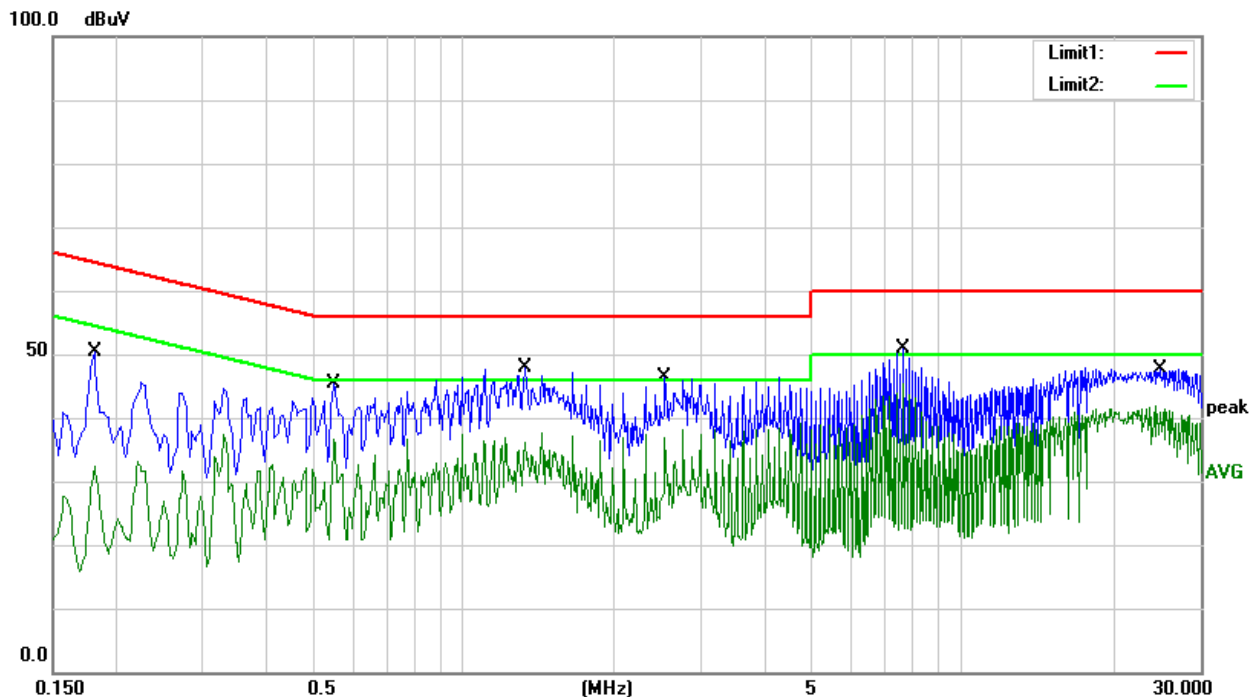
3.5 TEST RESULTS

Temperature:	25.1 °C	Relative Humidity:	52%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 4		
Description:	Coil 1		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1820	39.97	10.31	50.28	64.39	-14.11	QP
2	0.1820	22.10	10.31	32.41	54.39	-21.98	AVG
3	0.5500	34.92	10.49	45.41	56.00	-10.59	QP
4	0.5500	26.12	10.49	36.61	46.00	-9.39	AVG
5	1.3300	37.55	10.30	47.85	56.00	-8.15	QP
6	1.3300	27.44	10.30	37.74	46.00	-8.26	AVG
7	2.5380	36.04	10.33	46.37	56.00	-9.63	QP
8	2.5380	27.85	10.33	38.18	46.00	-7.82	AVG
9	7.6140	40.22	10.70	50.92	60.00	-9.08	QP
10	7.6140	34.62	10.70	45.32	50.00	-4.68	AVG
11	24.8180	35.04	12.61	47.65	60.00	-12.35	QP
12	24.8180	29.19	12.61	41.80	50.00	-8.20	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) - Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)



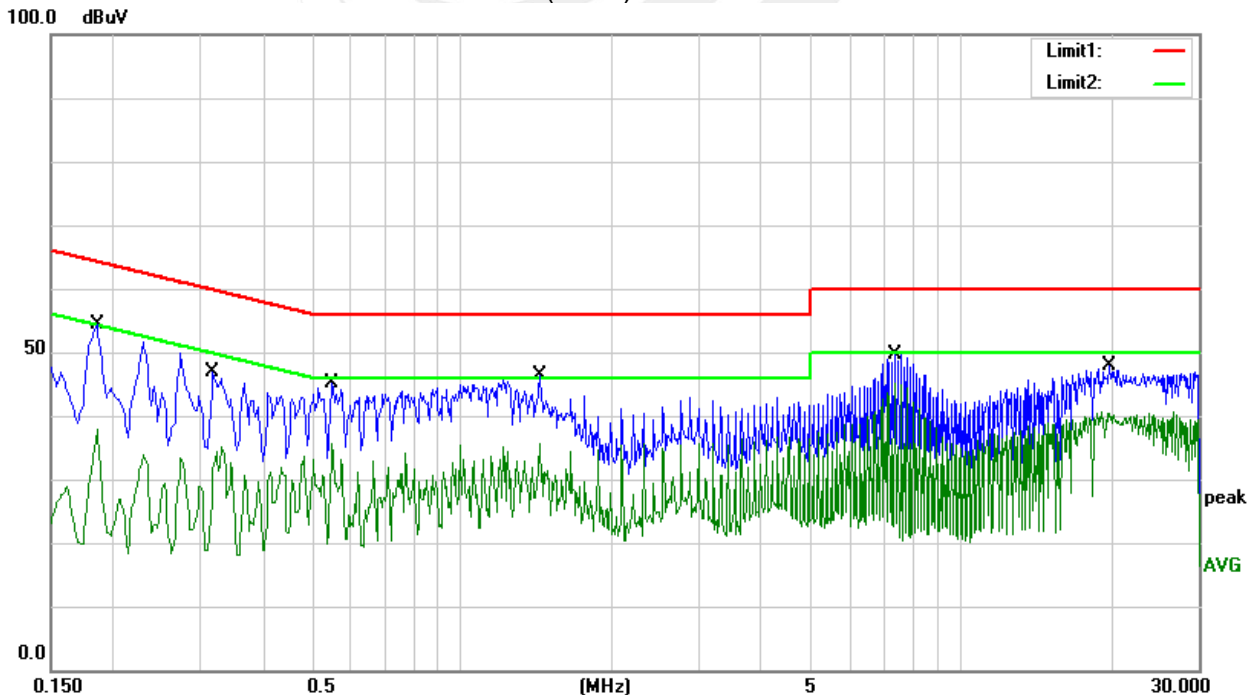


Temperature:	25.1 °C	Relative Humidity:	52%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 4		
Description:	Coil 1		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1860	43.96	10.31	54.27	64.21	-9.94	QP
2	0.1860	27.67	10.31	37.98	54.21	-16.23	AVG
3	0.3180	36.10	10.71	46.81	59.76	-12.95	QP
4	0.3180	24.42	10.71	35.13	49.76	-14.63	AVG
5	0.5500	34.60	10.49	45.09	56.00	-10.91	QP
6	0.5500	25.03	10.49	35.52	46.00	-10.48	AVG
7	1.4340	36.08	10.30	46.38	56.00	-9.62	QP
8	1.4340	25.26	10.30	35.56	46.00	-10.44	AVG
9	7.3940	38.96	10.66	49.62	60.00	-10.38	QP
10	7.3940	34.51	10.66	45.17	50.00	-4.83	AVG
11	19.8700	35.04	12.87	47.91	60.00	-12.09	QP
12	19.8700	27.82	12.87	40.69	50.00	-9.31	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)



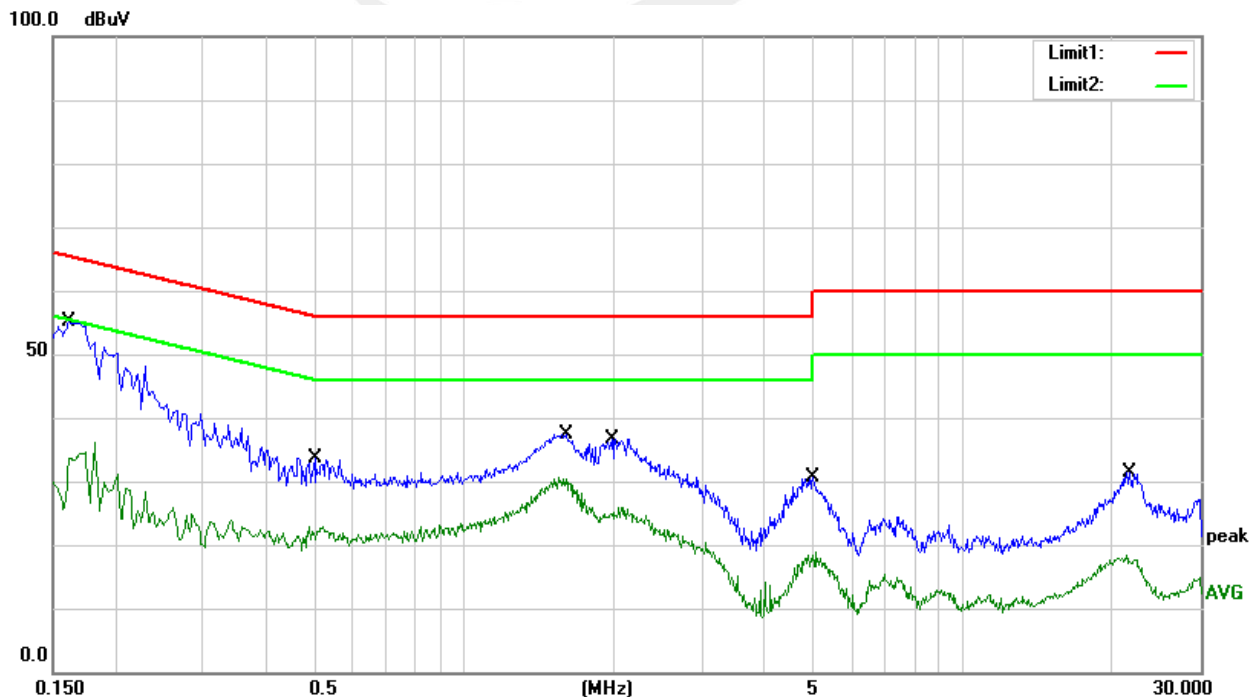


Temperature:	25.6 °C	Relative Humidity:	45%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	Mode 7		
Description:	Coil 2		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1620	44.71	10.33	55.04	65.36	-10.32	QP
2	0.1620	25.71	10.33	36.04	55.36	-19.32	AVG
3	0.5020	23.05	10.54	33.59	56.00	-22.41	QP
4	0.5020	12.29	10.54	22.83	46.00	-23.17	AVG
5	1.6100	27.15	10.30	37.45	56.00	-18.55	QP
6	1.6100	20.29	10.30	30.59	46.00	-15.41	AVG
7	1.9900	26.42	10.30	36.72	56.00	-19.28	QP
8	1.9900	15.68	10.30	25.98	46.00	-20.02	AVG
9	5.0260	20.12	10.46	30.58	60.00	-29.42	QP
10	5.0260	8.42	10.46	18.88	50.00	-31.12	AVG
11	21.6300	18.65	12.80	31.45	60.00	-28.55	QP
12	21.6300	5.60	12.80	18.40	50.00	-31.60	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) – Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)



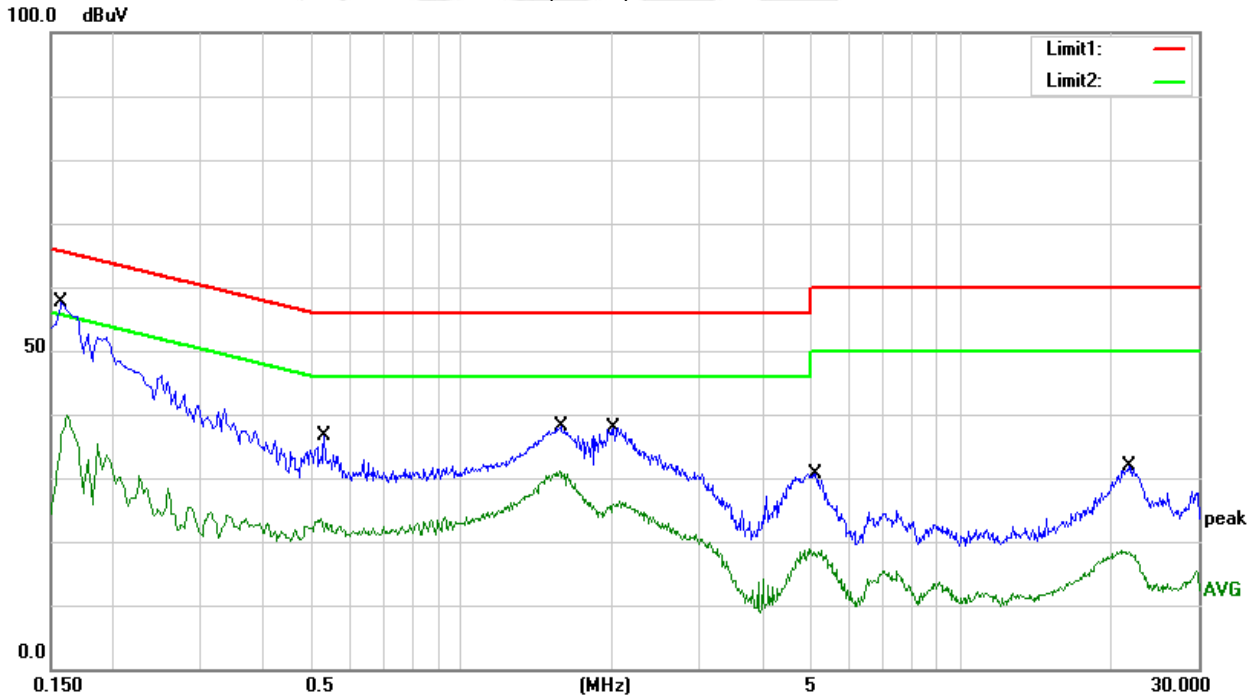


Temperature:	25.6 °C	Relative Humidity:	45%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	Mode 7		
Description:	Coil 2		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.1580	47.19	10.33	57.52	65.57	-8.05	QP
2	0.1580	29.49	10.33	39.82	55.57	-15.75	AVG
3	0.5300	26.07	10.51	36.58	56.00	-19.42	QP
4	0.5300	13.03	10.51	23.54	46.00	-22.46	AVG
5	1.5780	27.70	10.30	38.00	56.00	-18.00	QP
6	1.5780	20.80	10.30	31.10	46.00	-14.90	AVG
7	2.0180	27.59	10.30	37.89	56.00	-18.11	QP
8	2.0180	16.02	10.30	26.32	46.00	-19.68	AVG
9	5.1140	20.20	10.47	30.67	60.00	-29.33	QP
10	5.1140	8.37	10.47	18.84	50.00	-31.16	AVG
11	21.7380	19.15	12.80	31.95	60.00	-28.05	QP
12	21.7380	5.73	12.80	18.53	50.00	-31.47	AVG

Remark:

1. All readings are Quasi-Peak and Average values
2. Margin = Result (Result = Reading + Factor) - Limit
3. Factor = LISN factor + Cable loss + Limiter (10dB)



Note: All modes have been tested, and the worst-case mode is Mode 4(Coil 1) and Mode 7(Coil 2).

The report only reflects the worst-case mode.



4. RADIATED& FIELD EMISSION TEST RESULT (SECTION 15.209)

4.1 LIMIT

Frequency [MHz]	Field Strength [uV/m]	Measurement Distance [Meters]
0.009 ~ 0.490	2400/F (kHz)	300
0.490 ~ 1.705	24000/F (kHz)	30
1.705 ~ 30	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~90kHz / RB 200Hz for AV
Start ~ Stop Frequency	90kHz~110kHz / RB 200Hz for QP
Start ~ Stop Frequency	110kHz~490kHz / RB 200Hz for AV
Start ~ Stop Frequency	490kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

§ 15.209(d) The emission limits shown in the above table 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.

4.2 TEST PROCEDURE

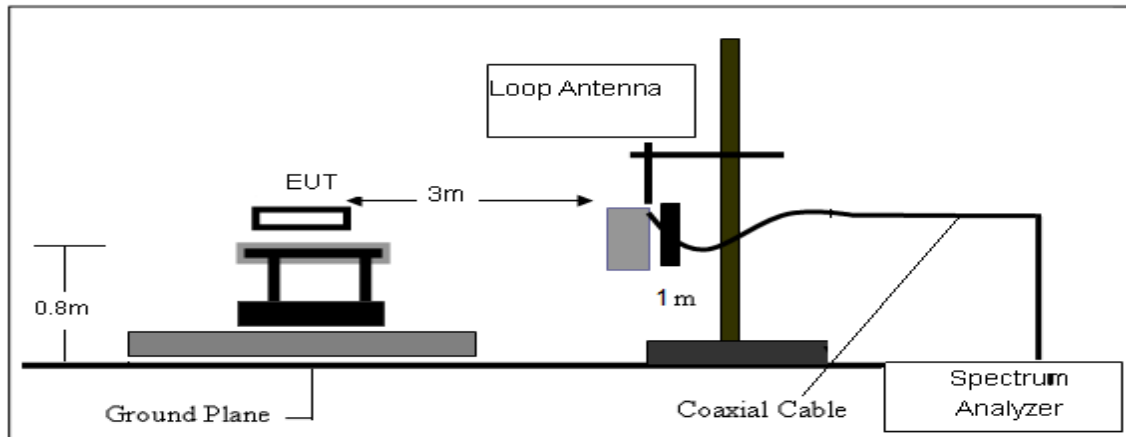
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. 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.
- d. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

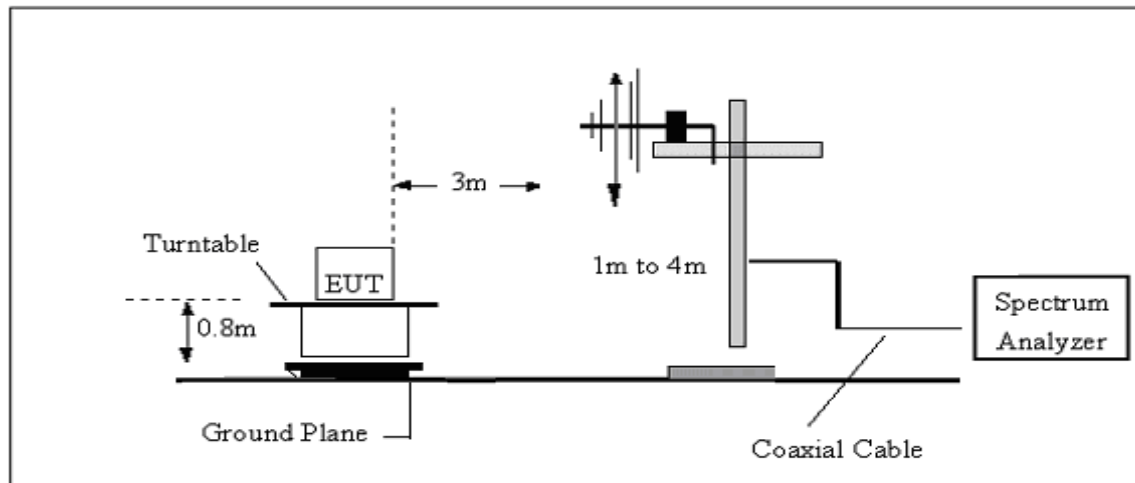
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.3 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz



(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





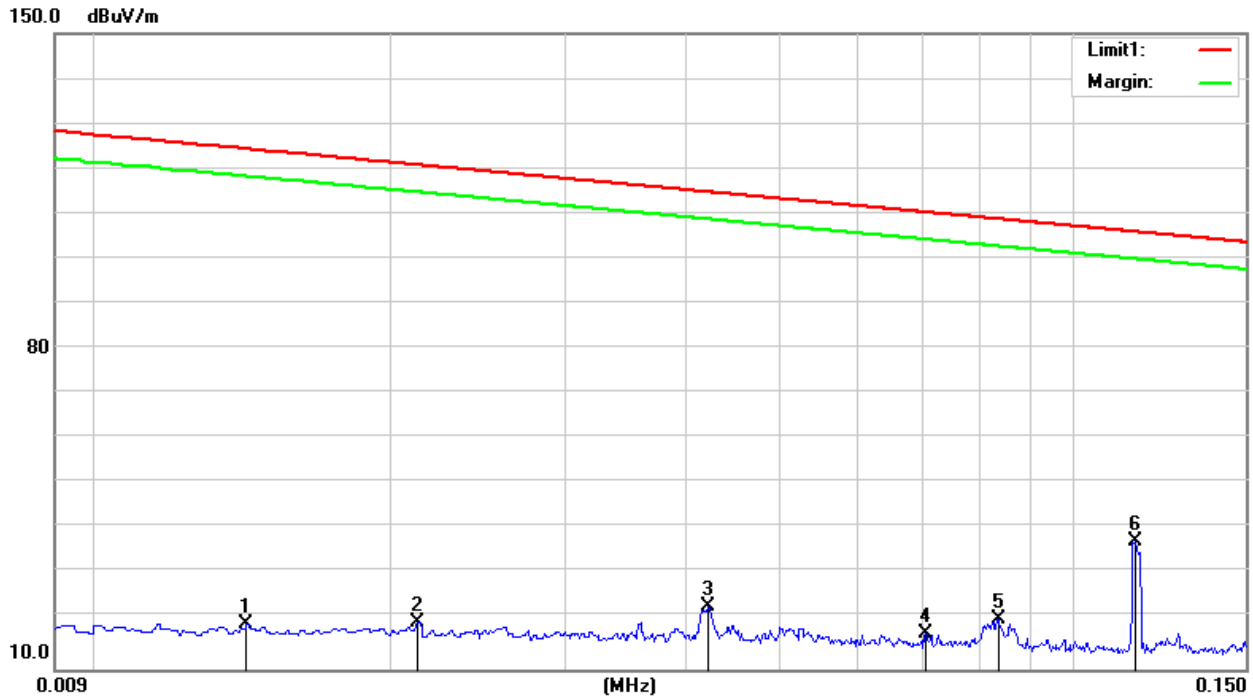
4.4 TEST RESULTS

Temperature :	23.1℃	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 4(Coil 1) and Mode 7(Coil 2)

4.4.1 Spurious Radiated Emission Below 30 MHz

Coil 1

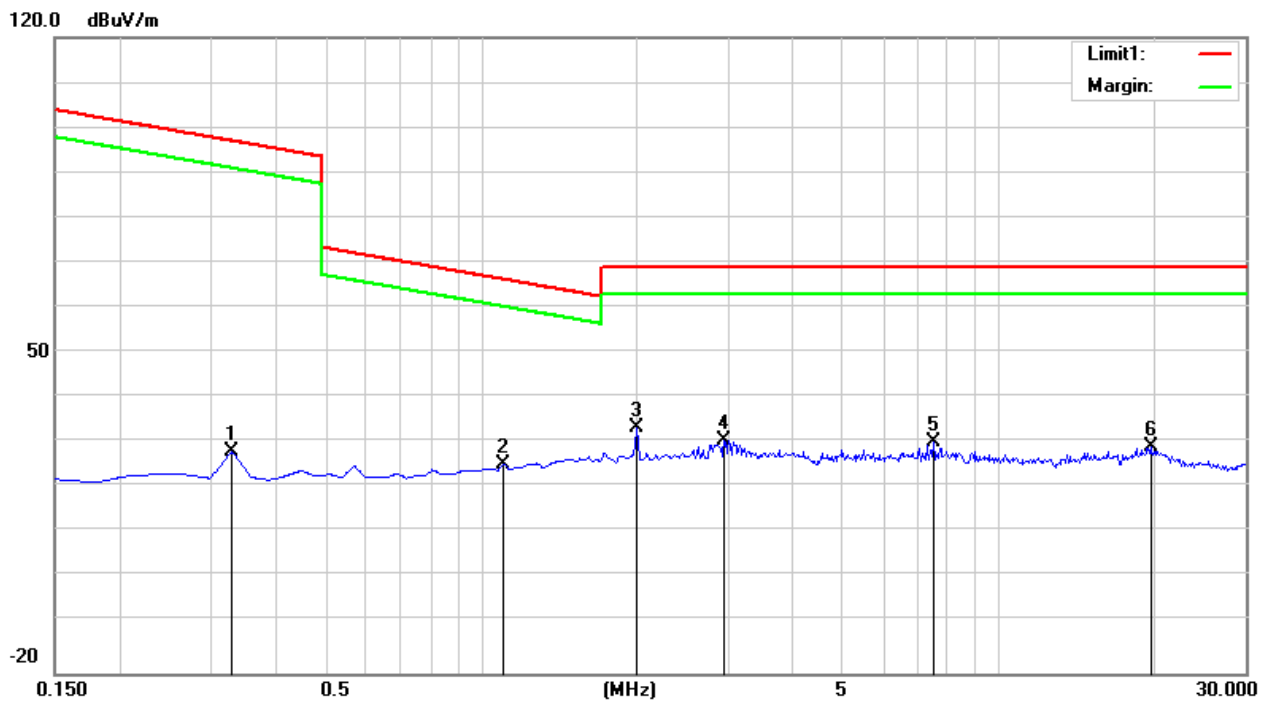
9KHz-150KHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0142	0.34	19.68	20.02	124.56	-104.54	peak
2	0.0212	0.18	20.08	20.26	121.08	-100.82	peak
3	0.0421	4.02	19.66	23.68	115.12	-91.44	peak
4	0.0704	-1.01	18.93	17.92	110.65	-92.73	peak
5	0.0836	2.65	18.39	21.04	109.16	-88.12	peak
6	0.1157	20.62	17.57	38.19	106.34	-68.15	peak



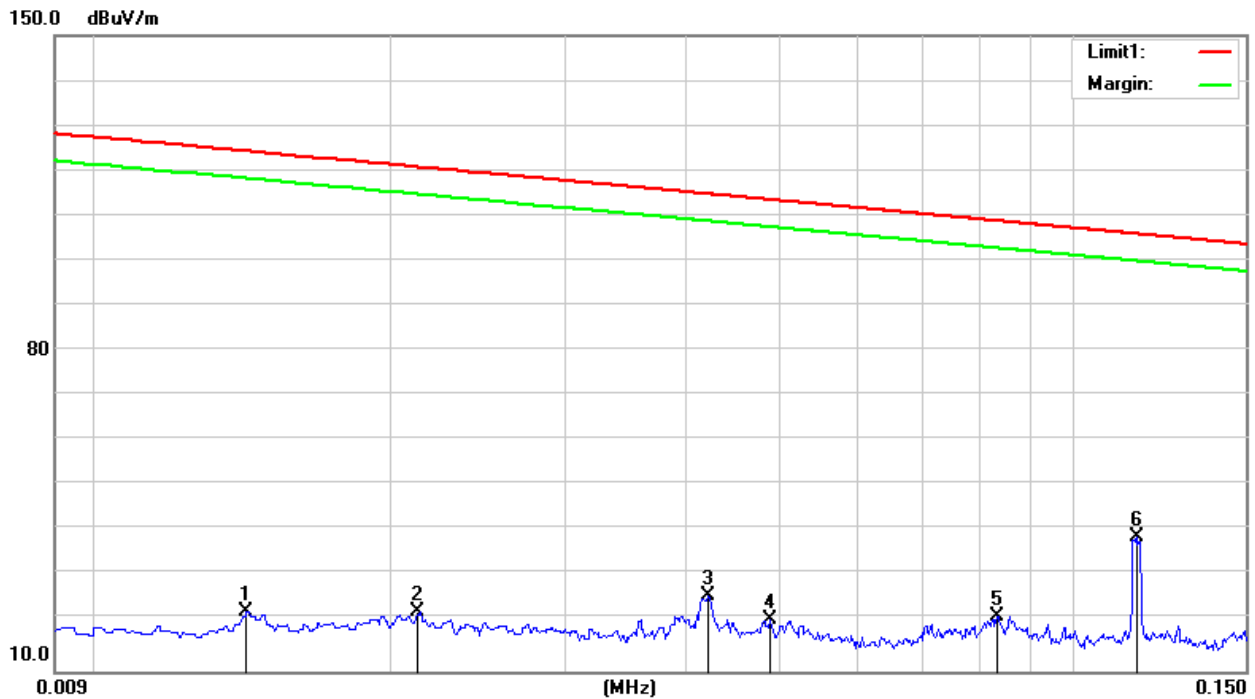
150KHz-30MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.3291	8.74	20.13	28.87	97.26	-68.39	peak
2	1.1052	5.90	20.22	26.12	66.74	-40.62	peak
3	2.0007	13.60	20.40	34.00	69.50	-35.50	peak
4	2.9558	11.26	20.11	31.37	69.50	-38.13	peak
5	7.4931	10.50	20.35	30.85	69.50	-38.65	peak
6	19.6421	7.48	22.41	29.89	69.50	-39.61	peak



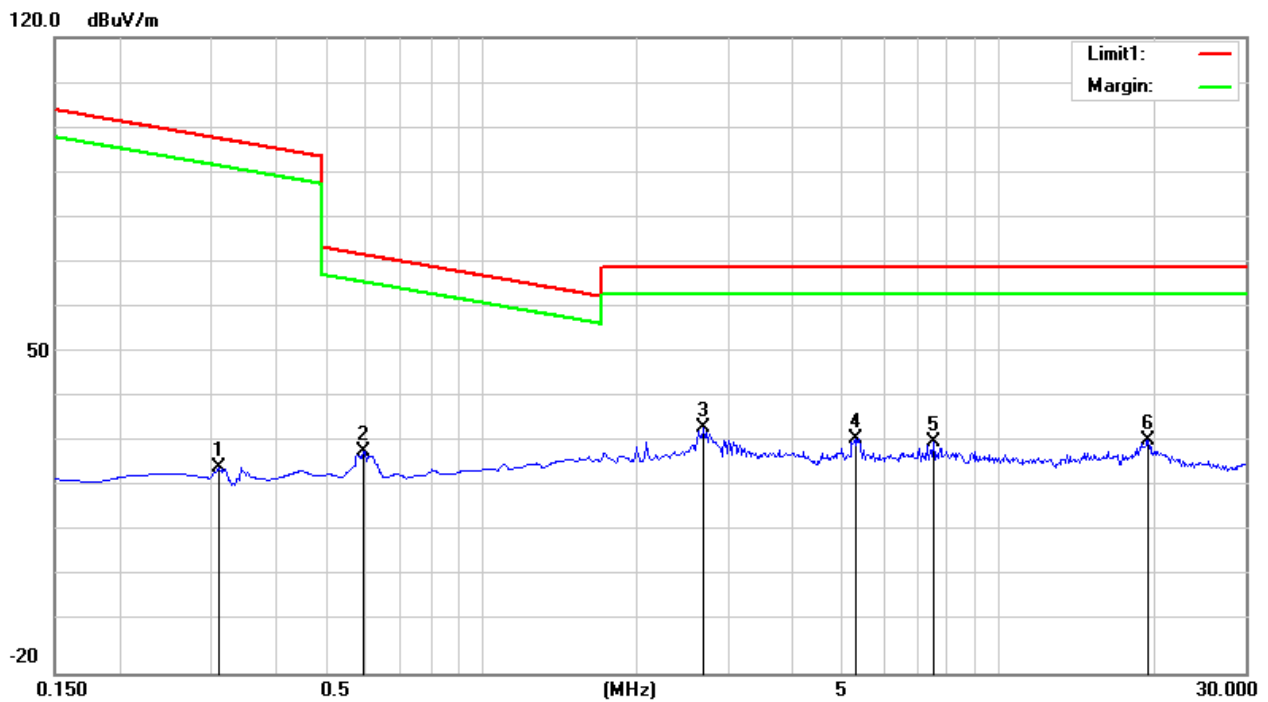
Coil 2
9KHz-150KHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0142	3.34	19.68	23.02	124.56	-101.54	peak
2	0.0212	3.18	20.08	23.26	121.08	-97.82	peak
3	0.0420	7.02	19.66	26.68	115.14	-88.46	peak
4	0.0487	1.96	19.53	21.49	113.85	-92.36	peak
5	0.0834	3.64	18.40	22.04	109.18	-87.14	peak
6	0.1160	22.01	17.57	39.58	106.32	-66.74	peak



150KHz-30MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.3113	5.28	20.12	25.40	97.74	-72.34	peak
2	0.5916	8.48	20.24	28.72	72.16	-43.44	peak
3	2.6924	13.74	20.19	33.93	69.50	-35.57	peak
4	5.2842	11.07	20.48	31.55	69.50	-37.95	peak
5	7.4931	10.50	20.35	30.85	69.50	-38.65	peak
6	19.5226	8.79	22.39	31.18	69.50	-38.32	peak



4.4.2 Spurious Radiated Emission below 1 GHz

Temperature :	23.1 °C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 4
Description :	Coil 1		

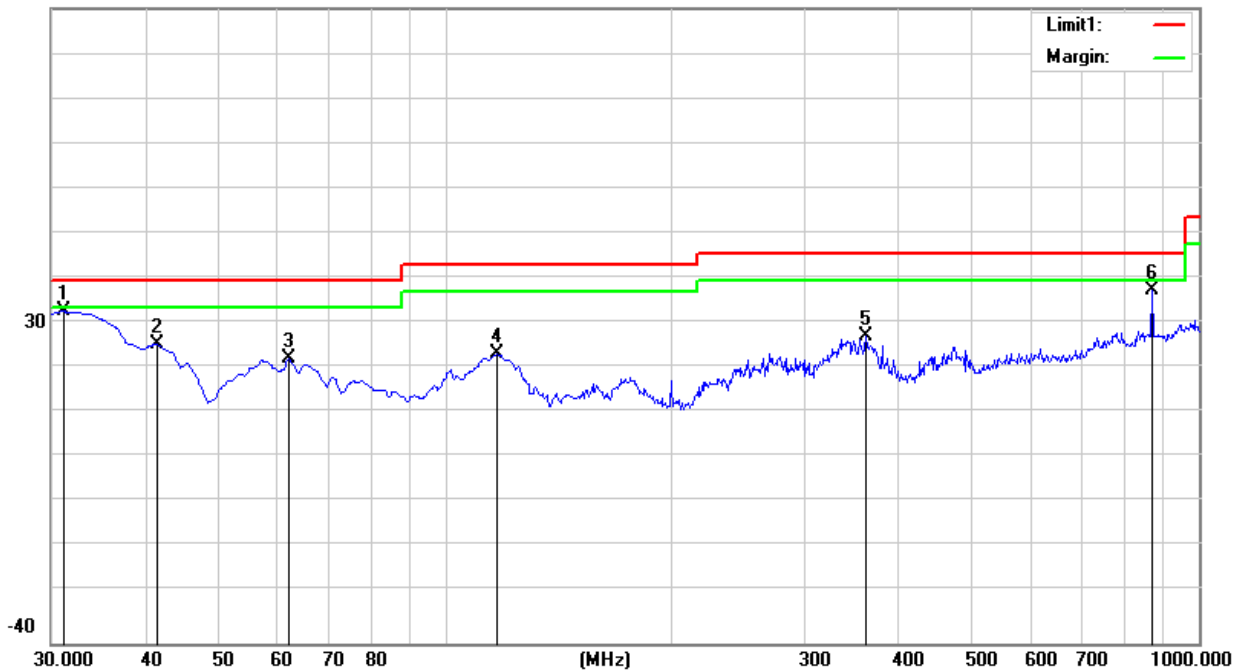
The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
31.1798	46.67	-13.46	33.21	40.00	-6.79	peak
41.6400	44.79	-18.93	25.86	40.00	-14.14	peak
62.0100	48.71	-25.76	22.95	40.00	-17.05	peak
117.3000	42.18	-18.47	23.71	43.50	-19.79	peak
361.7400	40.38	-12.80	27.58	46.00	-18.42	peak
869.0500	38.27	-0.52	37.75	46.00	-8.25	peak

Remark:

1. Margin = Result (Result =Reading + Factor)-Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain

100.0 dBuV/m





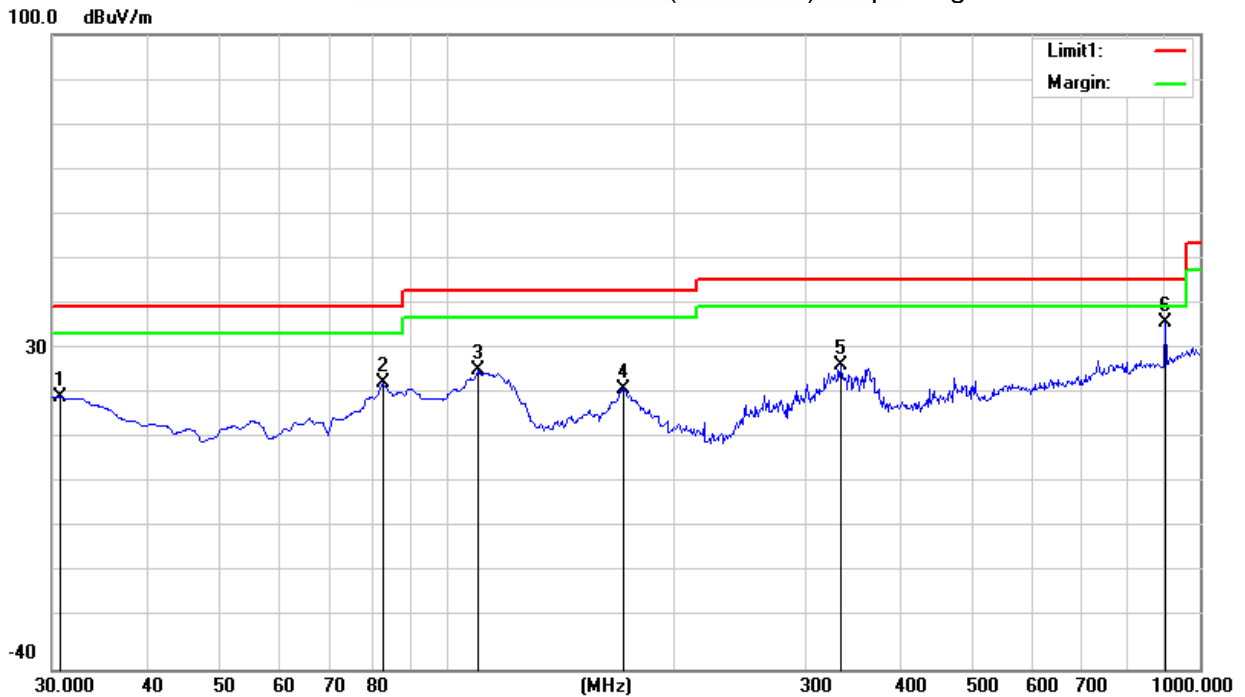
Temperature :	23.1 °C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 4
Description :	Coil 1		

The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
30.7455	33.20	-13.24	19.96	40.00	-20.04	peak
82.3800	45.99	-22.68	23.31	40.00	-16.69	peak
110.5100	45.14	-19.01	26.13	43.50	-17.37	peak
172.5900	41.87	-19.93	21.94	43.50	-21.56	peak
334.5800	40.64	-13.56	27.08	46.00	-18.92	peak
901.0600	37.05	-0.43	36.62	46.00	-9.38	peak

Remark:

1. Margin = Result (Result = Reading + Factor) – Limit
2. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





Temperature :	23.1 °C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 7
Description :	Coil 2		

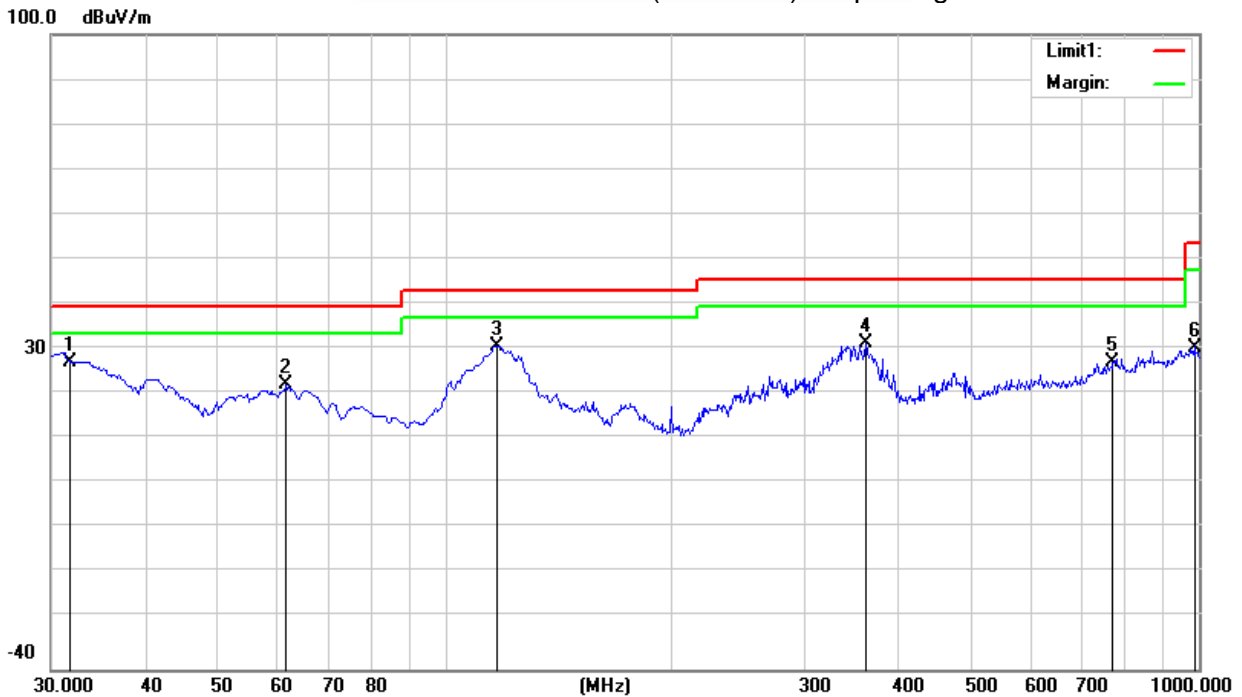
The following table shows the highest levels of radiated emissions on polarizations of vertical

Frequency	Reading	Correct	Result	Limit	Margin	Remark
(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
31.9400	41.72	-13.86	27.86	40.00	-12.14	peak
61.5617	48.51	-25.79	22.72	40.00	-17.28	peak
117.3000	49.68	-18.47	31.21	43.50	-12.29	peak
361.7400	44.88	-12.80	32.08	46.00	-13.92	peak
771.0800	30.14	-2.32	27.82	46.00	-18.18	peak
987.3900	28.84	2.21	31.05	54.00	-22.95	peak

Remark:

3. Margin = Result (Result =Reading + Factor)–Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain





Temperature :	23.1 °C	Relative Humidity :	60%
Test Voltage :	AC 120V/60Hz	Test Mode :	Mode 7
Description :	Coil 2		

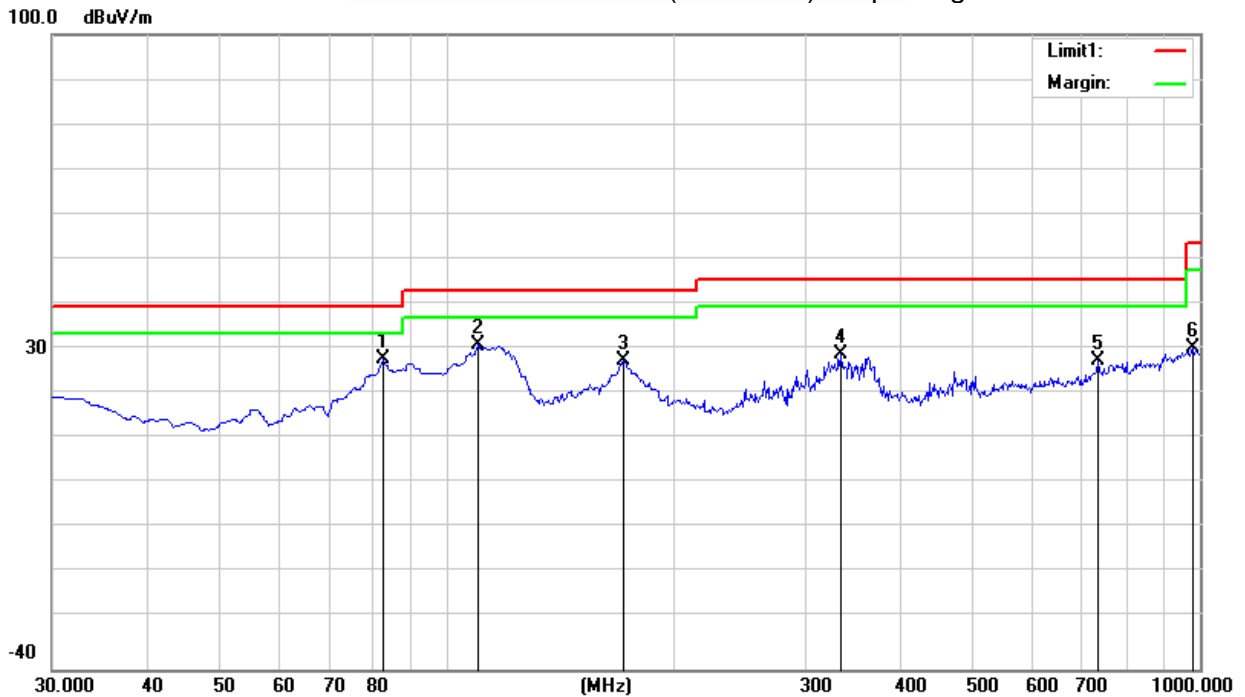
The following table shows the highest levels of radiated emissions on polarizations of horizontal

Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
82.3800	50.99	-22.68	28.31	40.00	-11.69	peak
110.5100	50.64	-19.01	31.63	43.50	-11.87	peak
172.5900	47.87	-19.93	27.94	43.50	-15.56	peak
334.5800	43.14	-13.56	29.58	46.00	-16.42	peak
733.2500	30.28	-2.35	27.93	46.00	-18.07	peak
979.6300	28.10	2.65	30.75	54.00	-23.25	peak

Remark:

3. Margin = Result (Result = Reading + Factor) – Limit

4. Factor= Antenna factor+Cable attenuation factor(cable loss)-Amplifier gain



Note: All modes have been tested, and the worst-case mode is Mode 4. The report only reflects the worst-case mode.



5. 20 DB BANDWIDTH TEST

5.1 Limit

FCC Part 15.215, Only applicable to report.

5.2 TEST SETUP

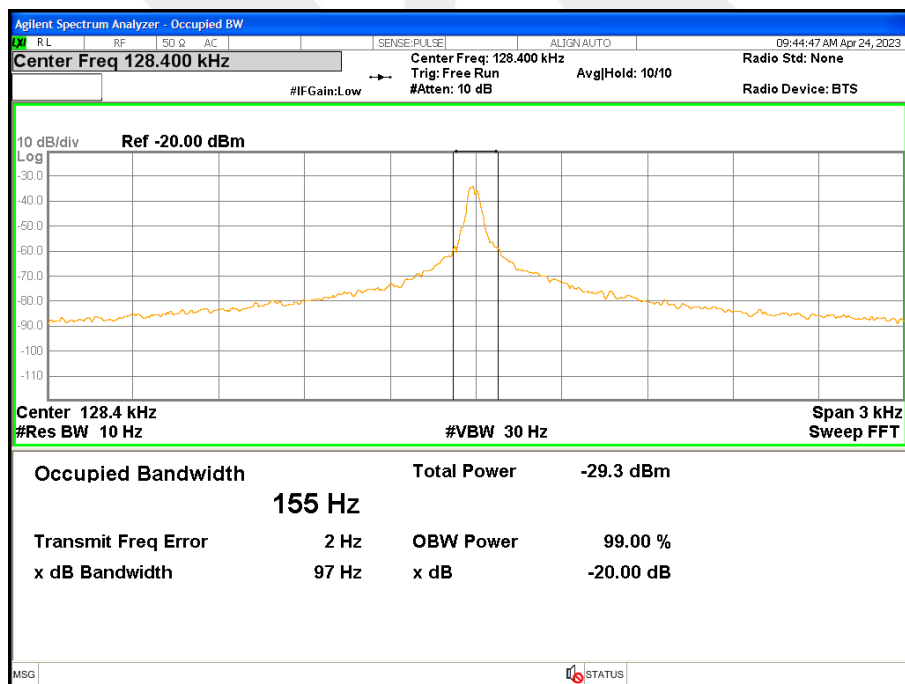
Spectrum Parameter	Setting
Span Frequency	approximately 2 to 3 times the 20 dB bandwidth
RB	greater than 1 % of the 20 dB bandwidth,
VB	equal to the RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

The test program and configuration, Refer to 4.2 and 4.3

5.3 TEST RESULTS

Coil 1	
Operating Frequency (kHz)	20 dB Bandwidth (Hz)
128.4	97

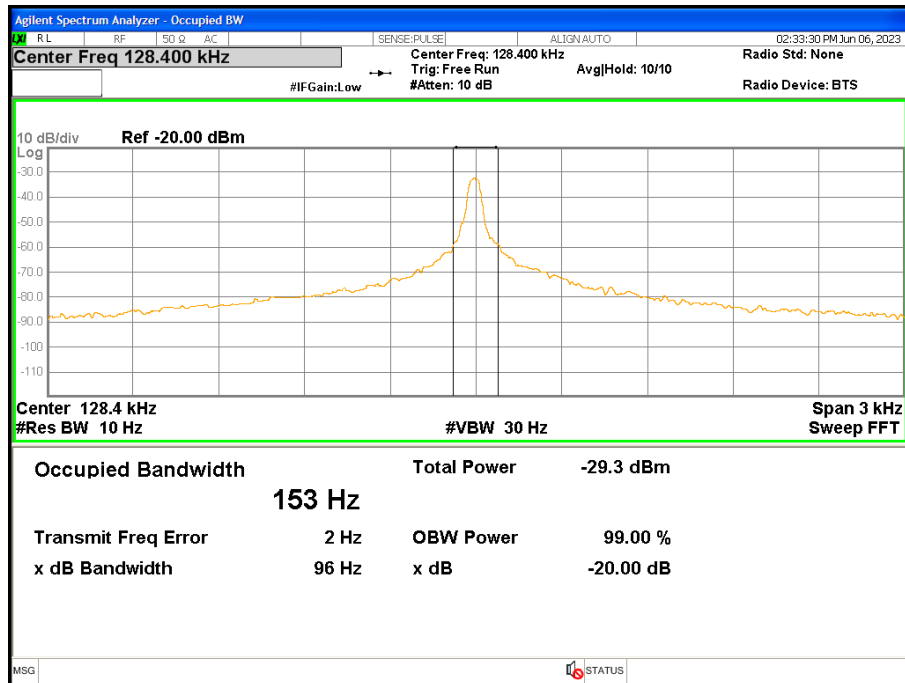
CH00





Coil 2	
OperatingFrequency (kHz)	20 dB Bandwidth (Hz)
128.4	96

CH01





APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

※※※※※END OF THE REPORT※※※※※

