



FCC Test Report

Report No: FCS202503631W01

Issued for

Applicant:	Shenzhen Xinyuheng Mold Technology Co., Ltd.
Address:	Floor 1, No.13, Second Industrial Zone, Changzhen Community, Yutang Street, Guangming District, Shenzhen
Product Name:	Dog trainer
Brand Name:	N/A
Model Name:	X18
Series Model:	N/A
FCC ID:	2BORS-X18
Issued By: Flux Compliance Service Laboratory Add: Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan Tel: 769-27280901 Fax:769-27280901 http://www.FCS-lab.com	

TEST RESULT CERTIFICATION

Applicant's Name: Shenzhen Xinyuheng Mold Technology Co., Ltd.

Address.....: Floor 1, No.13, Second Industrial Zone, Changzhen Community, Yutang Street, Guangming District, Shenzhen

Manufacture's Name: Shenzhen Xinyuheng Mold Technology Co., Ltd.

Address.....: Floor 1, No.13, Second Industrial Zone, Changzhen Community, Yutang Street, Guangming District, Shenzhen

Product Description

Product Name: Dog trainer

Brand Name: N/A

Model Name: X18

Series Model.....: N/A

Test Standards.....: FCC Rules and Regulations Part 15 Subpart C, Section 231

Test Procedure.....: ANSI C63.10:2013

This device described above has been tested FCS, 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 (s) of performance of tests : Mar 27. 2025 ~ Apr 16. 2025

Date of Issue: Apr 16. 2025

Test Result.....: Pass

Tested by

:

Scott Shen

(Scott Shen)

Reviewed by

:

Duke Qian

(Duke Qian)

Approved by

:

Jack Wang

(Jack Wang)



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Revision History

Rev.	Issue Date	Effect Page	Contents
00	Apr 16. 2025	All	Initial Issue

1. SUMMARY OF TEST RESULTS

FCC Part 15.231, Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	--
15.209, 15.231(b)	Radiated Emission	PASS	--
15.231(a) (1)	Transmitter time	PASS	--
15.231(c)	20dB Bandwidth	PASS	
15.231	Duty cycle	PASS	--
15.203	Antenna Requirement	PASS	--

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

(2) All tests are according to ANSI C63.10-2013

1.1 TEST FACTORY

Company Name:	Flux Compliance Service Laboratory
Address:	Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan
Telephone:	+86-769-27280901
Fax:	+86-769-27280901
FCC Test Firm Registration Number: 514908 Designation number: CN0127 A2LA accreditation number: 5545.01	

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	± 0.71 dB
2	Unwanted Emissions, conducted	± 2.98 dB
3	Conducted Emission (9KHz-150KHz)	± 4.13 dB
4	Conducted Emission (150KHz-30MHz)	± 4.74 dB
5	All emissions, radiated (<1G) 30MHz-1000MHz	± 3.2 dB
6	All emissions, radiated (1GHz -18GHz)	± 3.66 dB
7	All emissions, radiated (18GHz -40GHz)	± 4.31 dB
8	Bandwidth	± 2.5 %

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Dog trainer
Trade Name	N/A
Model Name	X18
Series Model	N/A
Model Difference	N/A
Frequency	433.92MHZ
Modulation	OOK
Antenna type	Spring-loaded antennas
Power Supply	Input: DC 5V from adapter
Battery	DC 3.7V 1.11Wh from Lithium battery
Hardware version number	V1.0
Software version number	V1.0
Connecting I/O Port(s)	Please refer to the User's Manual

Note:

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

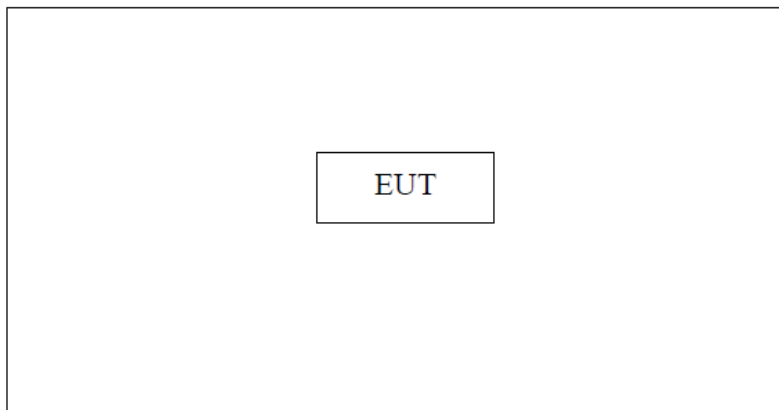
Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	X18	Spring-loaded antennas	N/A	0.87 dBi	Antenna

2.2 DESCRIPTION OF THE TEST MODES

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

This sample triggers the emission frequency via the remote control.

Configuration and peripherals



Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature range: 21-25°C

Humidity range: 40-75%

Pressure range: 86-106kPa

2.3 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.	Serial No.	Note

Support units

Item	Equipment	Mfr/Brand	Model/Type No.	Serial No.	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” is means “shielded” “with core”; “NO” is means “unshielded” “without core”.

2.4 EQUIPMENTS LIST

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESRP 3	FCS-E001	2024.08.28	2025.08.27
Signal Analyzer	R&S	FSV40-N	FCS-E012	2024.08.28	2025.08.27
Active loop Antenna	ZHINAN	ZN30900C	FCS-E013	2024.08.28	2025.08.27
Bilog Antenna	SCHWARZBECK	VULB 9168	FCS-E002	2024.08.28	2025.08.27
Horn Antenna	SCHWARZBECK	BBHA 9120D	FCS-E003	2024.08.28	2025.08.27
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	FCS-E018	2024.08.28	2025.08.27
Pre-Amplifier(0.1M-3G Hz)	EMCI	EM330N	FCS-E004	2024.08.28	2025.08.27
Pre-Amplifier (1G-18GHz)	N/A	TSAMP-0518SE	FCS-E014	2024.08.28	2025.08.27
Pre-Amplifier (18G-40GHz)	TERA-MW	TRLA-0400	FCS-E019	2024.08.28	2025.08.27
Temperature & Humidity	HTC-1	victor	FCS-E005	2024.08.28	2025.08.27
Low frequency cable (9k-1GHz)	Gemma Technology	R03	FCS-E031	2024.08.28	2025.08.27
Low frequency cable (1-18GHz)	Gemma Technology	R04	FCS-E032	2024.08.28	2025.08.27
Low frequency cable (18-40GHz)	Gemma Technology	R05	FCS-E033	2024.08.28	2025.08.27
Testing Software	EZ-EMC(Ver.STSLAB 03A1 RE)				

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESPI	FCS-E020	2024.08.28	2025.08.27
LISN	R&S	ENV216	FCS-E007	2024.08.28	2025.08.27
LISN	ETS	3810/2NM	FCS-E009	2024.08.28	2025.08.27
Temperature & Humidity	HTC-1	victor	FCS-E008	2024.08.28	2025.08.27
Testing Software	EZ-EMC(Ver.EMC-CON 3A1.1)				

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
Spectrum Analyzer	Keysight	N9020A	FCS-E015	2024.08.28	2025.08.27
Spectrum Analyzer	Agilent	E4447A	MY50180039	2024.08.28	2025.08.27
Spectrum Analyzer	R&S	FSV-40	101499	2024.08.28	2025.08.27
Testing Software	EZ-EMC(Ver.STSLAB 03A1 RE)				

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 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)	Conducted Emission limit (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.

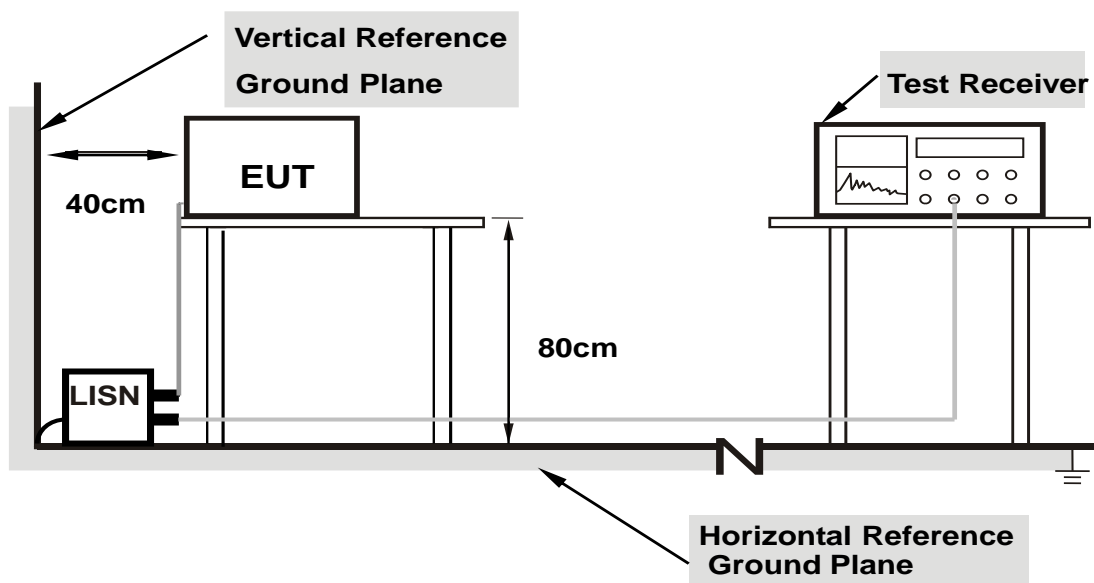
The following table is the setting of the receiver

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.

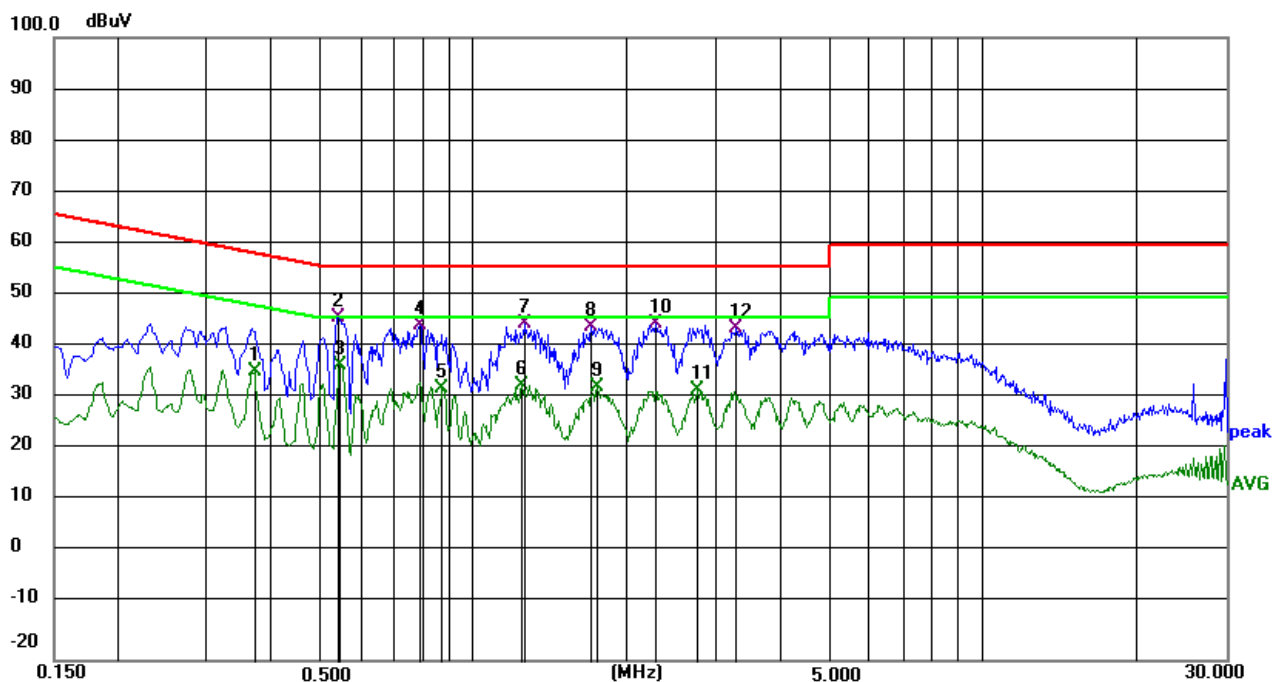
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes support units.

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:	25C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	L
Test Mode:	TX		

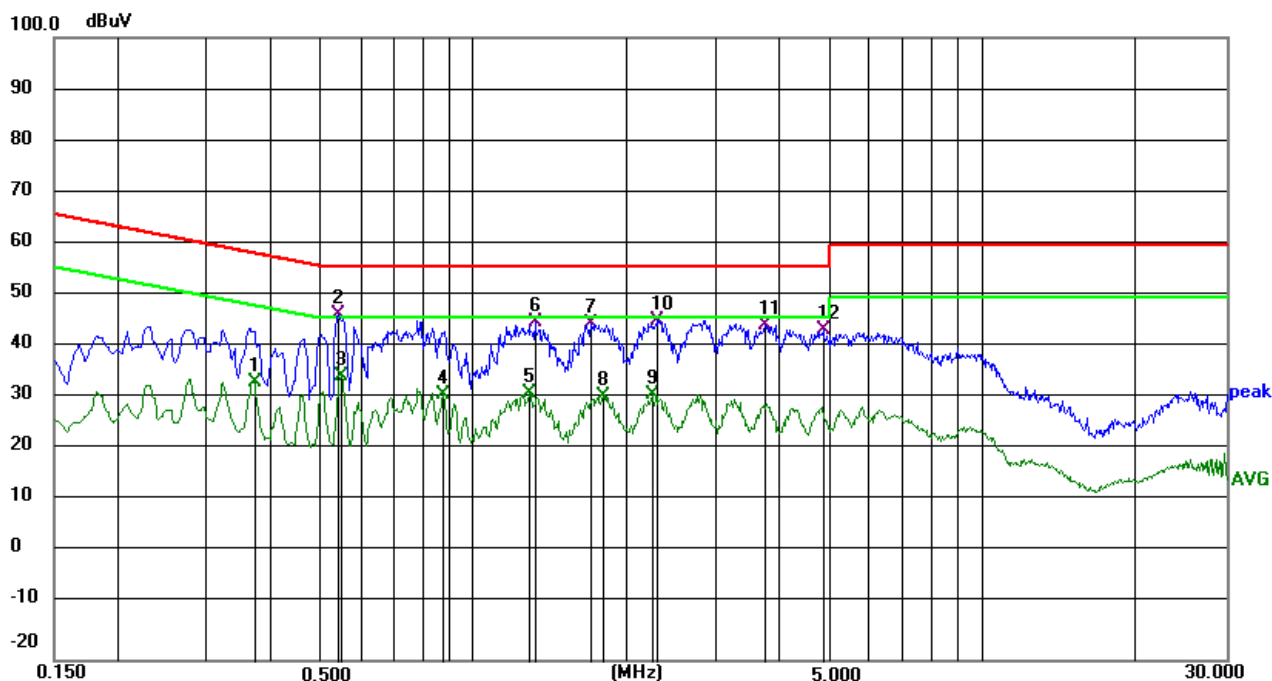


No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3704	24.71	10.84	35.55	48.49	-12.94	AVG
2	0.5415	35.26	10.84	46.10	56.00	-9.90	QP
3 *	0.5460	26.11	10.84	36.95	46.00	-9.05	AVG
4	0.7845	33.62	10.84	44.46	56.00	-11.54	QP
5	0.8700	21.71	10.84	32.55	46.00	-13.45	AVG
6	1.2480	22.17	10.85	33.02	46.00	-12.98	AVG
7	1.2570	33.92	10.85	44.77	56.00	-11.23	QP
8	1.7025	33.36	10.86	44.22	56.00	-11.78	QP
9	1.7475	21.96	10.86	32.82	46.00	-13.18	AVG
10	2.2785	33.97	10.87	44.84	56.00	-11.16	QP
11	2.7465	21.13	10.89	32.02	46.00	-13.98	AVG
12	3.2910	32.94	10.97	43.91	56.00	-12.09	QP

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:	25C	Relative Humidity:	56%
Test Voltage:	AC 120V/60Hz	Phase:	N
Test Mode:	TX		



No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measurement(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.3704	22.79	10.84	33.63	48.49	-14.86	AVG
2 *	0.5415	35.77	10.84	46.61	56.00	-9.39	QP
3	0.5505	24.04	10.84	34.88	46.00	-11.12	AVG
4	0.8745	20.40	10.85	31.25	46.00	-14.75	AVG
5	1.2885	20.65	10.86	31.51	46.00	-14.49	AVG
6	1.3200	34.36	10.86	45.22	56.00	-10.78	QP
7	1.7070	33.97	10.87	44.84	56.00	-11.16	QP
8	1.7970	19.93	10.87	30.80	46.00	-15.20	AVG
9	2.2425	20.25	10.88	31.13	46.00	-14.87	AVG
10	2.2920	34.58	10.88	45.46	56.00	-10.54	QP
11	3.7230	33.45	11.10	44.55	56.00	-11.45	QP
12	4.8570	32.61	11.13	43.74	56.00	-12.26	QP

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)

4. RADIATED EMISSION MEASUREMENT

4.1 LIMIT

In any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the Restricted band specified on Part15.205(a)&209(a) limit in the table and according to ANSI C63.10-2013 below has to be followed

LIMITS OF RADIATED EMISSION MEASUREMENT (0.009mhz - 1000mhz)

Frequencies (MHz)	Field Strength (micorvolts/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
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (1GHz-25 GHz)

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

LIMITS OF FIELD STRENGTH OF THE FUNDAMENTAL SIGNAL

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
433.92	100.83	80.83

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector

(2) At frequencies below 30MHz, measurement may be performed at a distance closer then that specified, and the limit at closer measurement distance can be extrapolated by below formula:
 $\text{Limit3m(dBuV/m)} = \text{Limit300m(dBuV/m)} + 40\text{Log}(300\text{m}/3\text{m}) = \text{Limit300m(dBuV/m)} + 80$
 $\text{Limit3m(dBuV/m)} = \text{Limit30m(dBuV/m)} + 40\text{Log}(30\text{m}/3\text{m}) = \text{Limit30m(dBuV/m)} + 40$

(3) Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions include fundamental emission shall not exceed FCC 15.231 section (b) limit of comply with FCC 15.209 limit which permit higher emission level.

[Where F is the frequency in MHz, the formulas for calculating the maximum permitted fundamental field strengths are as follows: for the band 130-174 MHz, $\mu\text{V/m}$ at 3 meters = $56.81818(F) - 6136.3636$; for the band 260-470 MHz, $\mu\text{V/m}$ at 3 meters = $41.6667(F) - 7083.3333$. The maximum permitted unwanted emission level is 20 dB below the maximum permitted fundamental level.]

4.2 TEST PROCEDURE

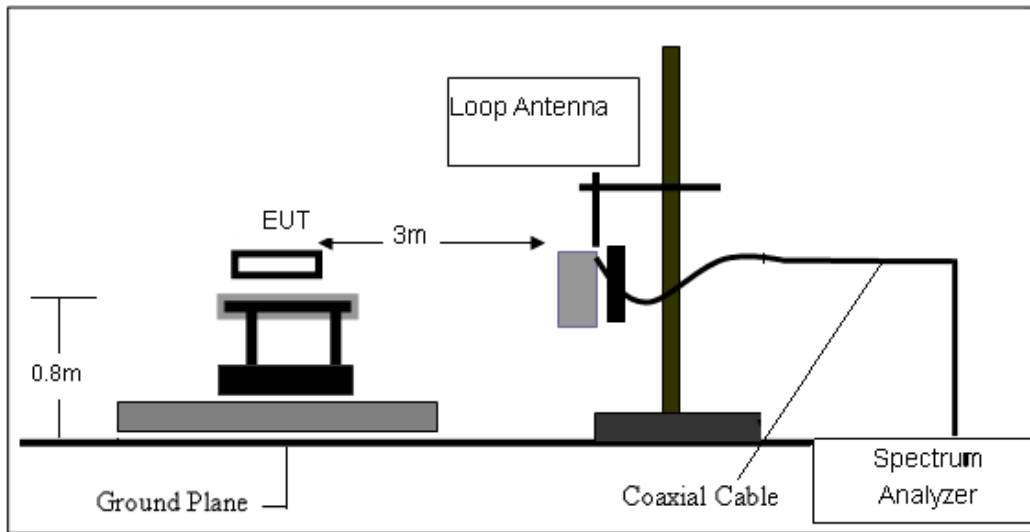
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment shall be 0.8 m (above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. 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 QuasiPeak detector mode re-measured.
- e. 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.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

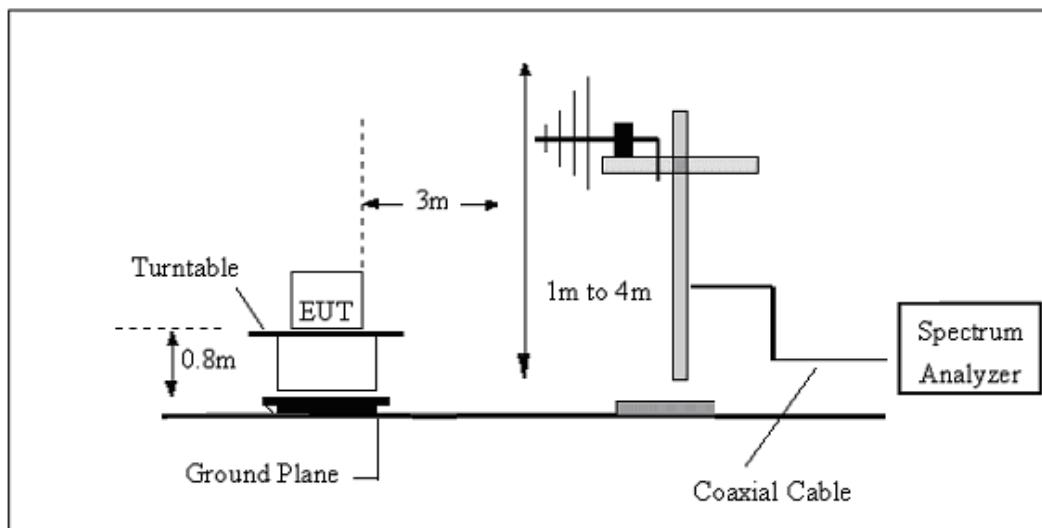
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.3 TEST SETUP

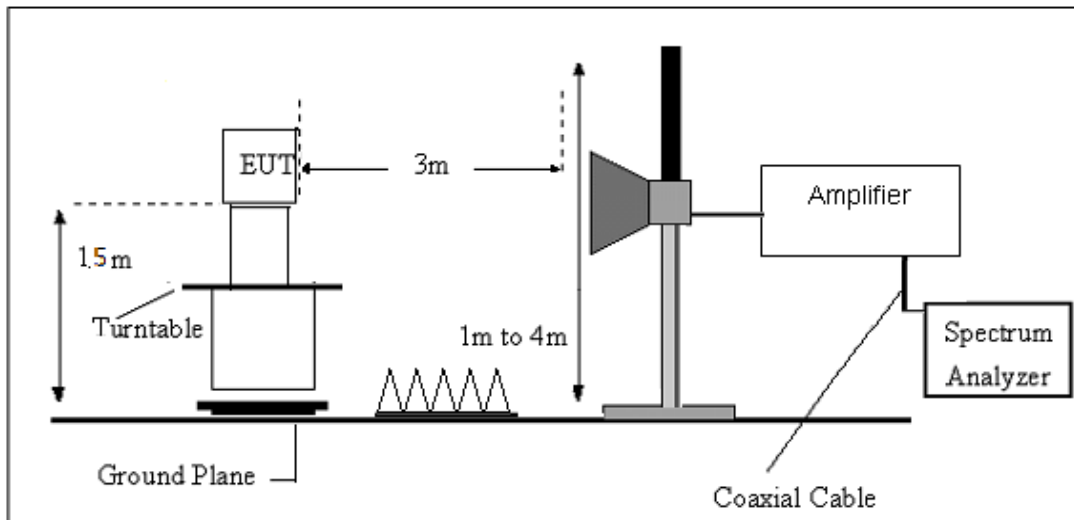
(A) Radiated Emission Test-Up Frequency Below 30MHz



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



(C) Radiated Emission Test-Up Frequency Above 1GHz



4.4 TEST RESULTS

Temperature:	25°C	Relative Humidity:	60%
Test Mode:	ASK	Test Voltage:	DC 3V

For spurious emission

(9KHz-30MHz)

Freq.	Reading	Limit	Margin	State	Test Result
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F	
--	--	--	--	--	PASS
--	--	--	--	--	PASS

Note:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $40 \log (\text{specific distance/test distance})$ (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor.

(30MHZ-1000MHZ)

Temperature:	23.5°C	Relative Humidity:	60%
Test Voltage:	DC 3.7V	Phase:	Horizontal
Test Mode:	TX		

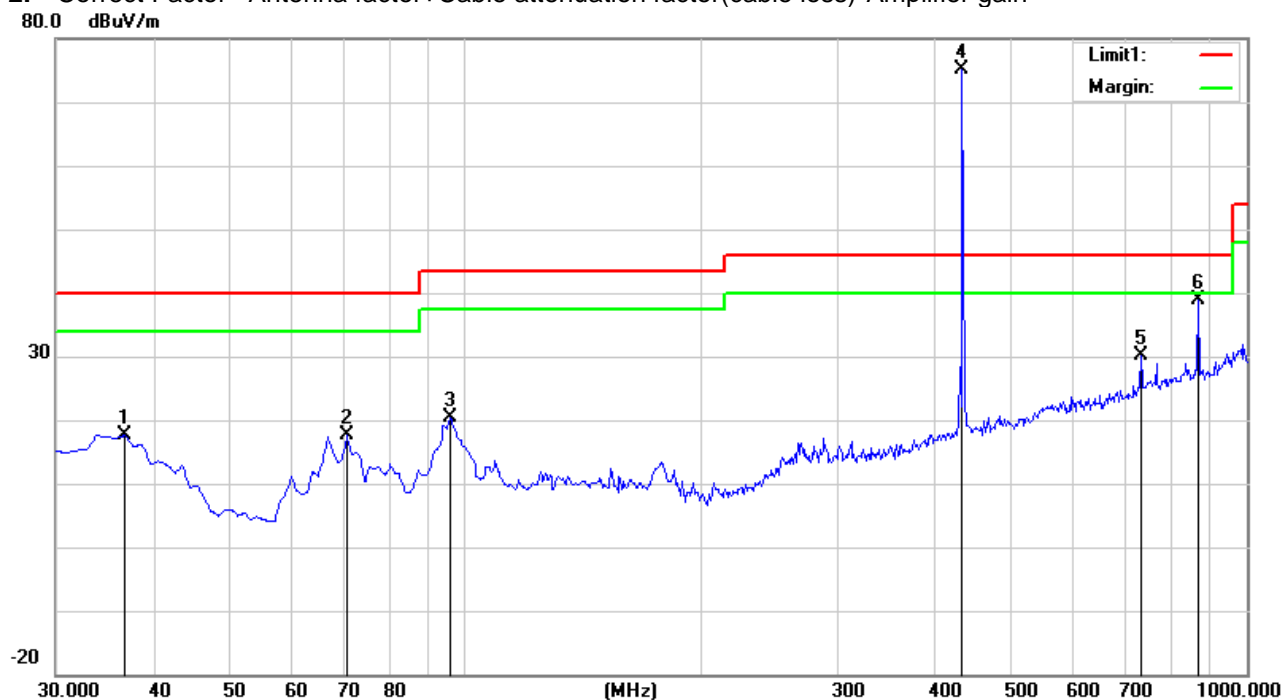
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	36.7900	34.00	-16.39	17.61	40.00	-22.39	peak
2	70.7400	42.26	-24.73	17.53	40.00	-22.47	peak
3	95.9600	41.03	-20.67	20.36	43.50	-23.14	peak
5	733.2500	32.51	-2.35	30.16	46.00	-15.84	peak
6	868.0800	39.44	-0.51	38.93	46.00	-7.07	peak

Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4	433.9200	85.19	-10.13	-	75.06	100.83	-25.77	Peak
4	433.9200	85.19	-10.13	0	75.06	80.83	-5.77	AV

Remark:

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



Temperature:	22.7°C	Relative Humidity:	61%
Test Voltage:	DC 3.7V	Phase:	Vertical
Test Mode:	TX		

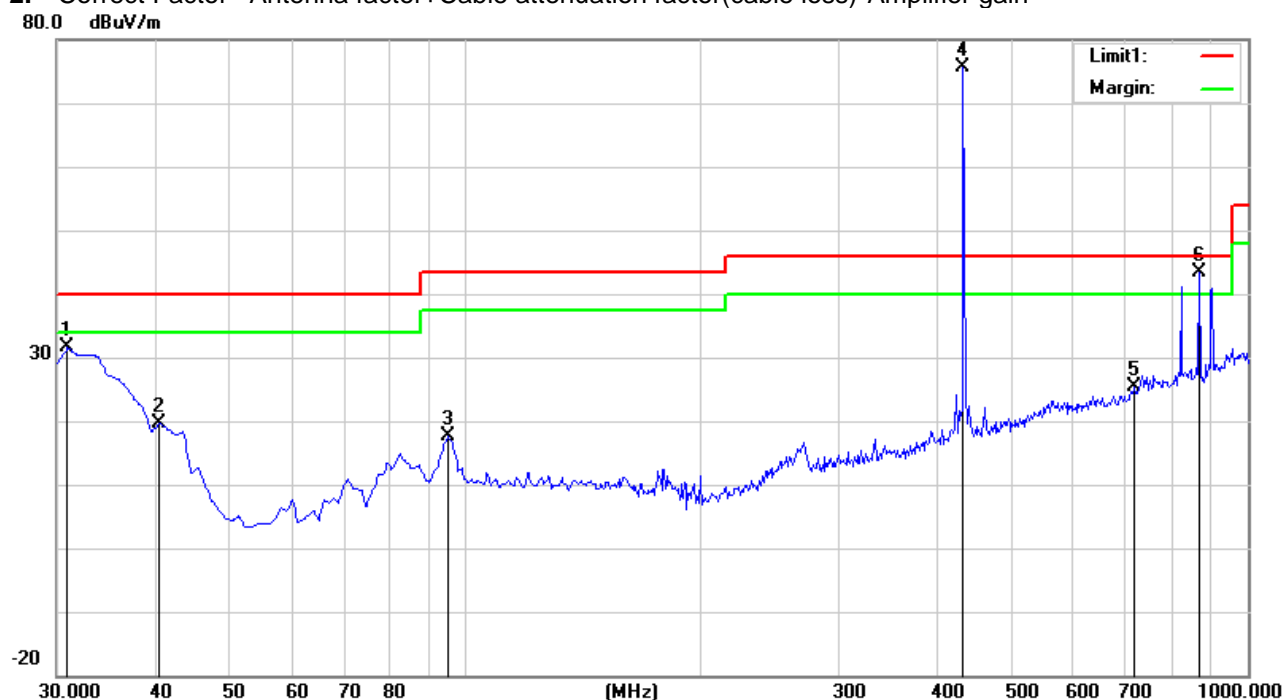
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.9700	44.86	-13.35	31.51	40.00	-8.49	peak
2	40.6700	37.96	-18.40	19.56	40.00	-20.44	peak
3	94.9900	38.33	-20.78	17.55	43.50	-25.95	peak
5	718.7000	28.76	-3.33	25.43	46.00	-20.57	peak
6	868.0800	43.91	-0.51	43.40	46.00	-2.60	peak

Fundamental Frequency

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Duty cycle Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
4	433.9200	85.64	-10.13	-	75.51	100.83	-25.32	Peak
4	433.9200	85.64	-10.13	0	75.51	80.83	-5.32	AV

Remark:

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



(Above ~ 1GHz)

Frequency	Reading	Detector	Amplifier	Loss	Antenna Factor	Corrected Factor	Corrected Amplitude	FCC Part 15.231/15.209/205		RX Antenna
								Limit	Margin	Polar
(MHz)	(dBμV/m)	(PK/QP/AV)	(dB)	(dB)	(dB)	(dB)	(dBμV/m)	(dBμV/m)	(dB)	(H/V)
1301.88	63.74	PK	45.1	4.0	25.1	-16.00	47.74	74	-26.26	H
1301.88	64.62	PK	45.1	4.0	25.1	-16.00	48.62	74	-25.38	V
1735.93	61.52	PK	44.1	5.3	25	-13.80	47.72	80.83	-33.11	H
1735.93	63.32	PK	44.1	5.3	25	-13.80	49.52	80.83	-31.31	V
2169.85	60.31	PK	43.8	5.4	25.9	-12.47	47.85	80.83	-32.98	H
2169.85	60.63	PK	43.8	5.4	25.9	-12.47	48.16	80.83	-32.67	V
2603.46	55.58	PK	44.4	6.0	27.6	-10.77	44.82	80.83	-36.01	H
2603.46	56.47	PK	44.4	6.0	27.6	-10.77	45.70	80.83	-35.13	V

Remarks:

1. Above 2.6 GHz the amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. The peak value is less than the AV limit, so AV data does not need to be tested.

5. TRANSMITTER TIME

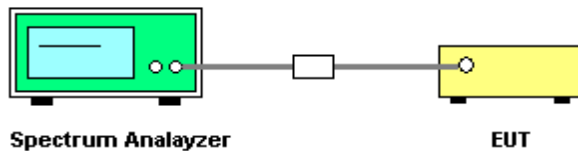
5.1 LIMIT

A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released

5.2 TEST PROCEDURE

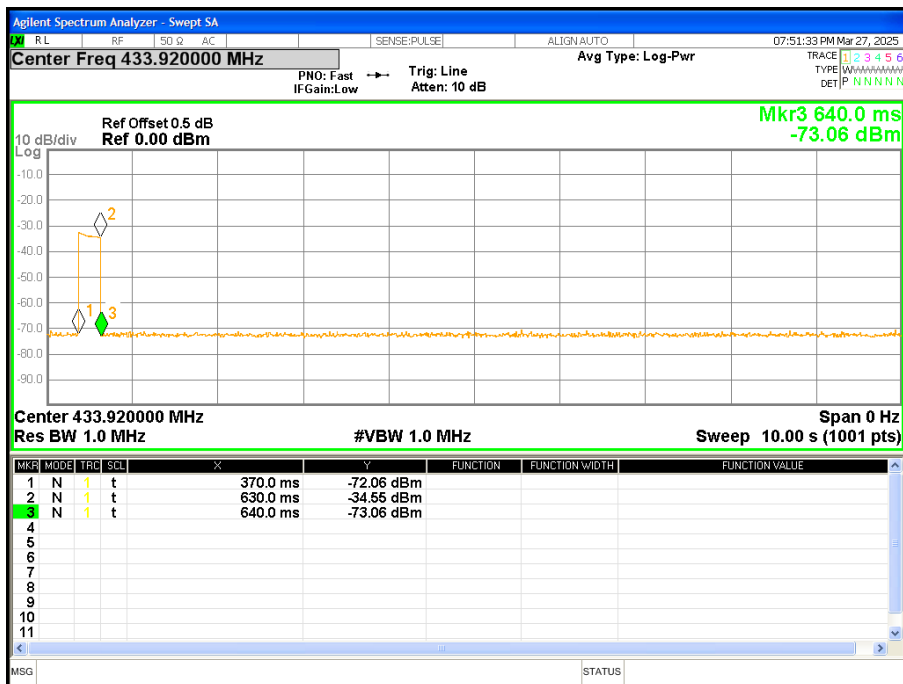
- a. The EUT' s RF signal was coupled to spectrum analyzer by antenna connected to spectrum analyzer.
- b. Set the spectrum to zero span mode, and centered of EUT frequency.
- c. Measure the stop transmitting time after release EUT button

5.3 TEST SETUP



5.4 TEST RESULTS

Activation time (Sec.)	Limit (Sec.)	Result
0.270	5 s	Pass



Mark 1: Hold down the Key (Start transmitting)

Mark 2: Loose the Key

Mark 3: Stop transmitting

Activation time= Mark 3- Mark 1=0.6400-0.3700=0.270 s

6. 20 DB BANDWIDTH TEST

6.1 LIMIT

The bandwidth of the emission shall be no wider than 0.25% of the center frequency of devices operation above 70MHz and below 900MHz.

6.2 TEST PROCEDURE

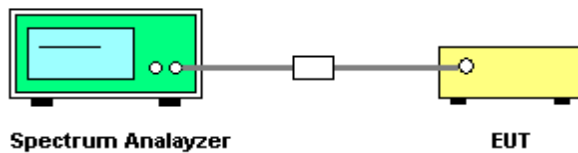
Connect EUT' s antenna output to spectrum analyzer by RF cable.

a.

The bandwidth of the fundamental frequency was measured by spectrum analyzer with 2kHz RBW and 6.2kHz VBW. The 20dB bandwidth is defined as the total spectrum the

b. power of which is higher than peak power minus 20dB

6.3 TEST SETUP

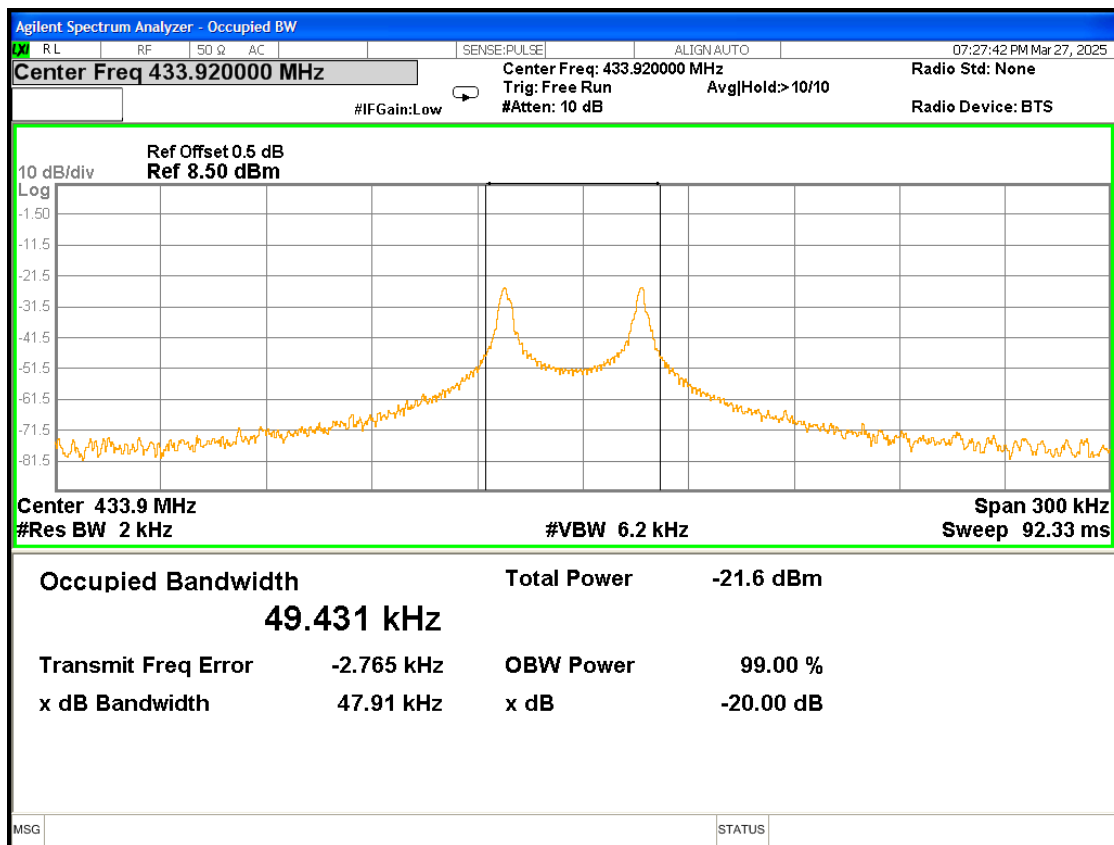


6.4 TEST RESULTS

Temperature:	25°C	Relative Humidity:	50%
Test Mode:	OOK	Test Voltage:	DC 3.7V

Centre Frequency	Measurement		
	20dB Bandwidth (KHz)	Limit(kHz)	Frequency Range (MHz)
433.92	47.91	1085	PASS

433.92MHz



7. DUTY CYCLE

7.1 LIMIT

None: for reporting purposes only.

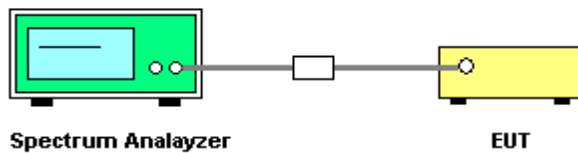
7.2 TEST PROCEDURE

Set the Centre frequency of the spectrum analyzer to the transmitting frequency;

- a. Set the span=0MHz, RBW=1 MHz, VBW=1 MHz, Sweep time=150ms;

Trace mode = Single hold

7.3 TEST SETUP



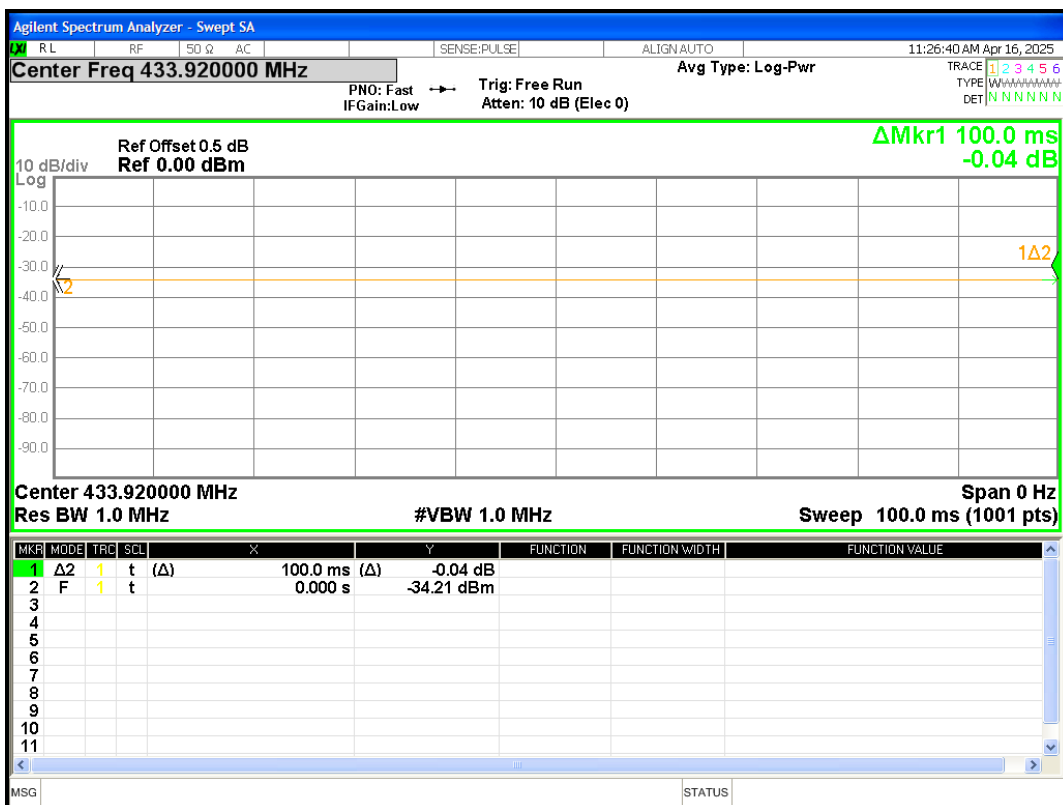
7.4 TEST RESULTS

FCC Part15.231(a)	
Total On interval in a complete pulse train(ms)	100
Length of a complete pulse train(ms)	100
Duty Cycle (%)	100%
Duty Cycle Correction Factor(dB)	0.00

Refer to the duty cycle plot (as below), This device meets the FCC requirement. Length of a complete pulse train

Remark: FCC part15.35(c) required that a complete pulse train is more than 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.





8 ANTENNA REQUIREMENT

8.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

8.2 EUT ANTENNA

The antennas used for this product are Spring-loaded antennas and other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmitter antenna is 0.87dBi.

*****END OF THE REPORT*****