



FCC Test Report

Report No: FCS202008032W01

Issued for

Applicant:	Dongguan Paitege Pet Products Co.,Ltd.
Address:	3rd Floor, Xinyuhua Building, Tongsha Industrial Zone, Dongcheng,Dongguan Guangdong, China
Product Name:	TC-20B acceptor
Brand Name:	NA
Model Name:	TC-20B
Series Model:	TC-06 B, TC-08 B, TC-16 B , TC-18 B, TC-19 B, TC-28 B ,TC-66 B, TC-86 B, TC-96 B, TC-620 B
FCC ID:	2AXGSTC-20B
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: Dongguan Paitege Pet Products Co.,Ltd.
Address.....: 3rd Floor, Xinyuhua Building, Tongsha Industrial Zone,
Dongcheng,Dongguan Guangdong, China
Manufacture's Name: Dongguan Paitege Pet Products Co.,Ltd.
Address.....: 3rd Floor, Xinyuhua Building, Tongsha Industrial Zone,
Dongcheng,Dongguan Guangdong, China

Product Description

Product Name: TC-20B acceptor
Brand Name: NA
Model Name.....: TC-20B
Series Model: TC-06 B, TC-08 B, TC-16 B , TC-18 B, TC-19 B, TC-28 B ,TC-66 B,
TC-86 B, TC-96 B, TC-620 B
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 : 01 Spe. 2020 ~ 10 Spe. 2020

Date of Issue.....: 10 Spe. 2020

Test Result.....: Pass

Tested by

:

Scott Shen

(Scott Shen)

Reviewed by

:

Duke Qian

(Duke Qian)

Approved by

:

Kait Chen

(Kait Chen)

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Revision History

Rev.	Issue Date	Effect Page	Contents
00	10 Spe. 2020	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

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	TC-20B acceptor
Trade Name	NA
Model Name	TC-20B
Series Model	TC-06 B, TC-08 B, TC-16 B , TC-18 B, TC-19 B, TC-28B ,TC-66 B, TC-86 B, TC-96 B, TC-620 B
Model Difference	The above product with same circuit, PCB layout, electrical parts, materials and wiring structures, Appearance shape, the materials of decorative accessories is same, only different color,
Frequency	433.92MHZ
Modulation	ASK
Antenna type	Integra antenna
Power Supply	DC 3.7V
Hardware version number	V1.0
Software version number	V1.0
Connecting I/O Port(s)	Please refer to the User's Manual

Note:

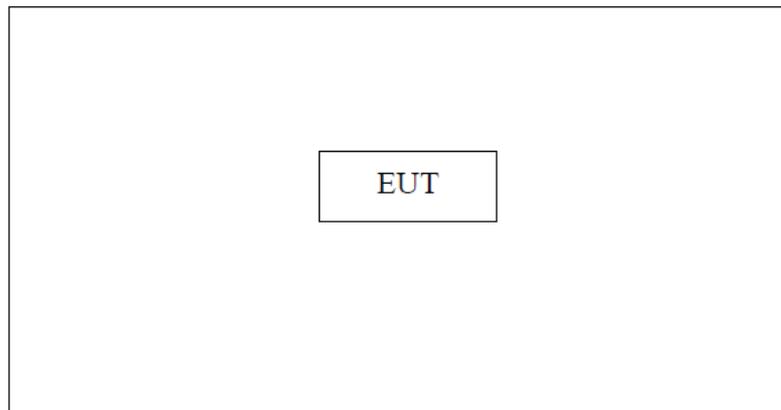
1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	YCC	Integra antenna	N/A	0.50dBi	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.

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
1	Adapter	HW	HWP30	NA	This adapter only test for this report.

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	2019.10.31	2020.10.30
Signal Analyzer	R&S	FSV40-N	FCS-E012	2019.06.05	2020.06.04
Active loop Antenna	ZHINAN	ZN30900C	FCS-E013	2019.10.11	2020.10.10
Bilog Antenna	SCHWARZBECK	VULB 9168	FCS-E002	2019.10.26	2020.10.25
Horn Antenna	SCHWARZBECK	BBHA 9120D	FCS-E003	2019.10.31	2020.10.30
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	FCS-E018	2019.10.31	2020.10.30
Pre-Amplifier(0.1M-3G Hz)	EMCI	EM330N	FCS-E004	2019.10.31	2020.10.30
Pre-Amplifier (1G-18GHz)	N/A	TSAMP-0518SE	FCS-E014	2019.10.03	2020.10.02
Pre-Amplifier (18G-40GHz)	TERA-MW	TRLA-0400	FCS-E019	2019.10.08	2020.10.07
Temperature & Humidity	HTC-1	victor	FCS-E005	2019.10.31	2020.10.30

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESPI	FCS-E020	2019.10.15	2020.10.14
LISN	R&S	ENV216	FCS-E007	2019.10.15	2020.10.14
LISN	ETS	3810/2NM	FCS-E009	2019.10.15	2020.10.14
Temperature & Humidity	HTC-1	victor	FCS-E008	2019.10.31	2020.10.30

RF Connected Test

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
Spectrum Analyzer	Keysight	N9020A	FCS-E015	2019.10.02	2020.10.01
Spectrum Analyzer	Agilent	E4447A	MY50180039	2019.11.08	2020.11.07
Spectrum Analyzer	R&S	FSV-40	101499	2019.10.10	2020.10.09

3 CONDUCTED EMISSION MEASUREMENT

3.1 LIMIT

Operating frequency band. In case the emission fall within the restricted band specified on Part 207(a) limit in the table below has to be followed.

FREQUENCY (MHz)	Conducted Emissionlimit (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.

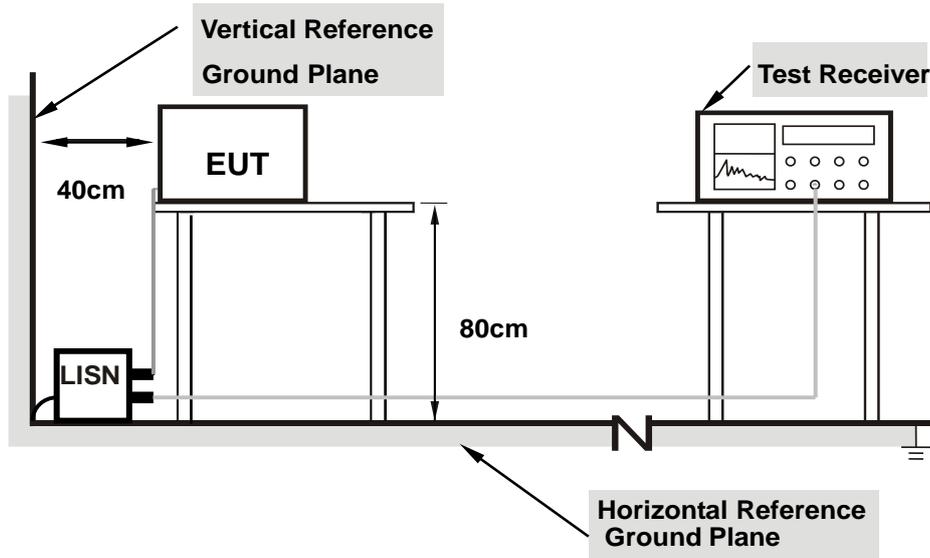
3.2 TEST PROCEDURE

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

- a. The EUT was 0.8 meters from the horizontal ground plane and 0.4 meters from the vertical ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. 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.
- c. 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.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3 TEST SETUP

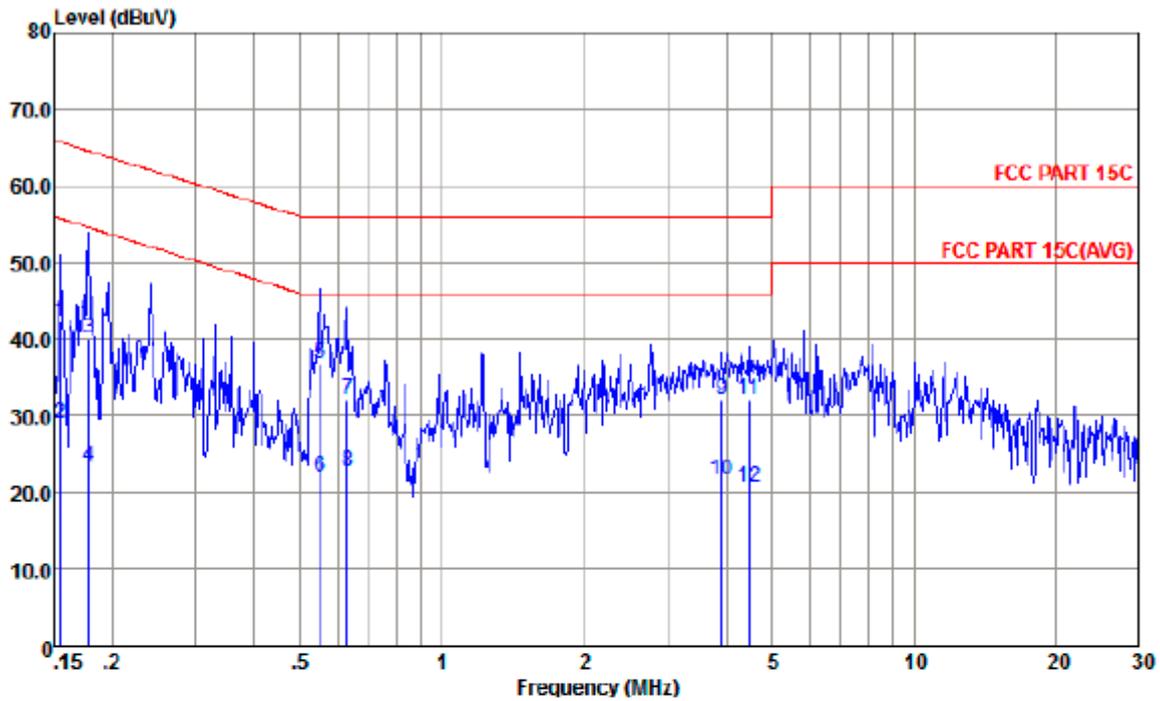


- Note:**
- 1.Support units were connected to second LISN.
 - 2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.4 TEST RESULTS

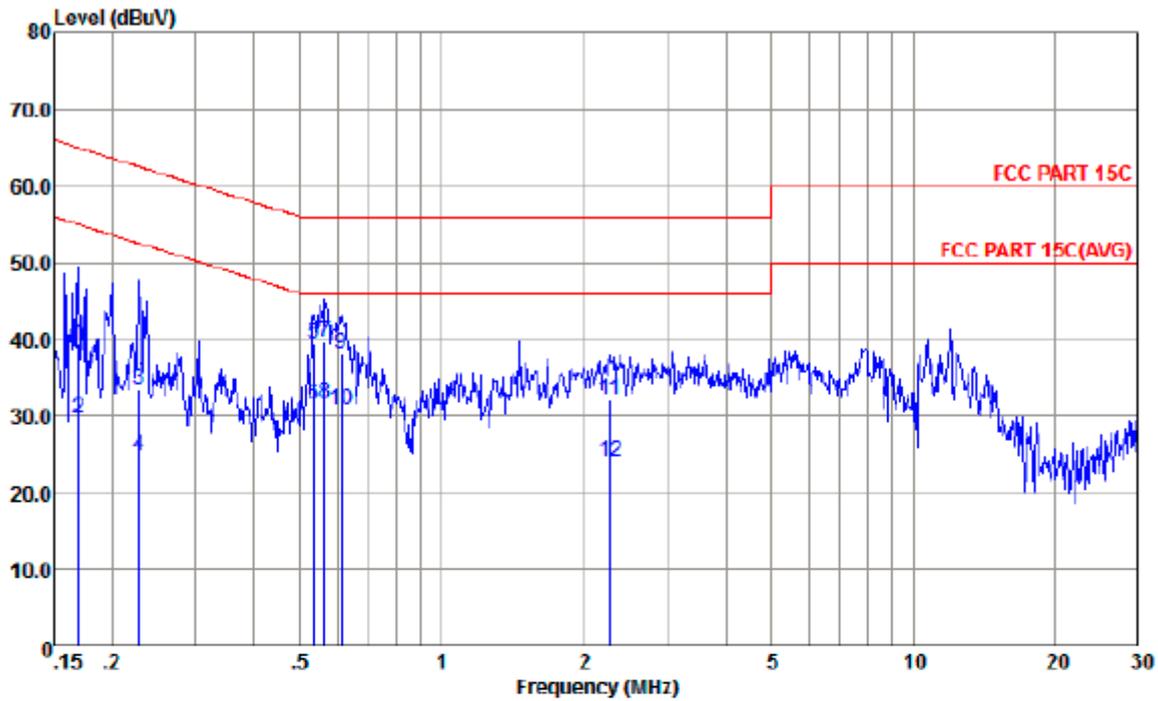
Temperature:	25°C	Relative Humidity:	50%
Test Mode:	ASK	Test Voltage:	AC 120V by adapter
Result:	PASS		

L-Line



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.155	42.36	-23.38	65.74	31.60	0.16	10.60	QP
2	0.155	29.06	-26.68	55.74	18.30	0.16	10.60	Average
3	0.178	40.01	-24.58	64.59	29.31	0.18	10.52	QP
4	0.178	23.31	-31.28	54.59	12.61	0.18	10.52	Average
5 *	0.552	36.72	-19.28	56.00	26.20	0.26	10.26	QP
6	0.552	22.12	-23.88	46.00	11.60	0.26	10.26	Average
7	0.630	32.07	-23.93	56.00	21.60	0.26	10.21	QP
8	0.630	22.77	-23.23	46.00	12.30	0.26	10.21	Average
9	3.922	32.11	-23.89	56.00	21.59	0.35	10.17	QP
10	3.922	21.71	-24.29	46.00	11.19	0.35	10.17	Average
11	4.454	32.16	-23.84	56.00	21.60	0.36	10.20	QP
12	4.454	20.76	-25.24	46.00	10.20	0.36	10.20	Average

N-Line



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.169	39.43	-25.56	64.99	28.60	0.28	10.55	QP
2	0.169	29.73	-25.26	54.99	18.90	0.28	10.55	Average
3	0.227	33.33	-29.24	62.57	22.60	0.28	10.45	QP
4	0.227	24.63	-27.94	52.57	13.90	0.28	10.45	Average
5	0.535	39.47	-16.53	56.00	28.90	0.29	10.28	QP
6	0.535	31.47	-14.53	46.00	20.90	0.29	10.28	Average
7	0.564	39.75	-16.25	56.00	29.20	0.29	10.26	QP
8 *	0.564	31.75	-14.25	46.00	21.20	0.29	10.26	Average
9	0.611	38.02	-17.98	56.00	27.50	0.30	10.22	QP
10	0.611	30.82	-15.18	46.00	20.30	0.30	10.22	Average
11	2.273	32.13	-23.87	56.00	21.61	0.32	10.20	QP
12	2.273	24.13	-21.87	46.00	13.61	0.32	10.20	Average

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 Part 15.205(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:
 $Limit_{3m}(dBuV/m) = Limit_{300m}(dBuV/m) + 40Log(300m/3m) = Limit_{300m}(dBuV/m) + 80$
 $Limit_{3m}(dBuV/m) = Limit_{30m}(dBuV/m) + 40Log(30m/3m) = Limit_{30m}(dBuV/m) + 40$

(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, uV/m at 3 meters = $56.81818(F) - 6136.3636$; for the band 260-470 MHz, uV/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

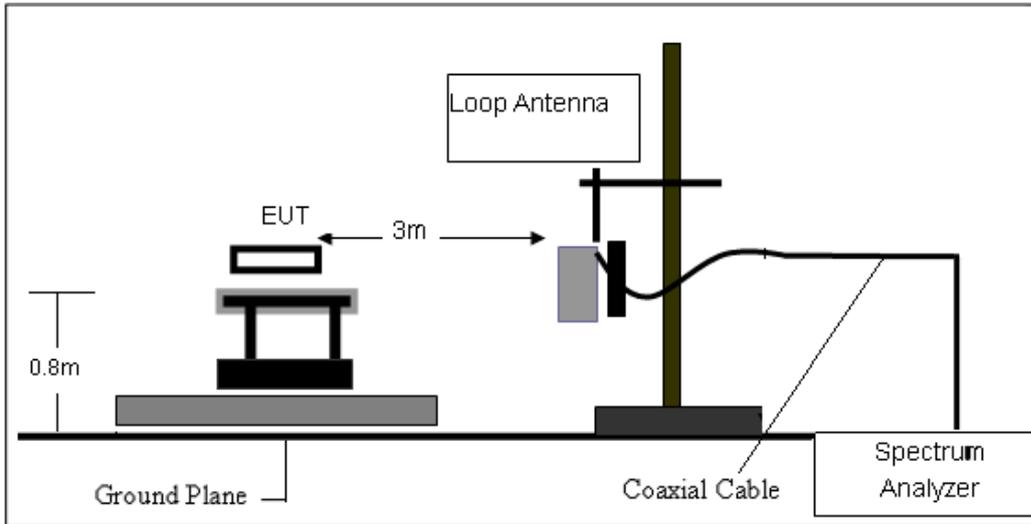
- a. The measuring distance of at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- b. The EUT was placed on the top of a rotating table 0.8 meters (above 1GHz is 1.5 m) above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to 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:

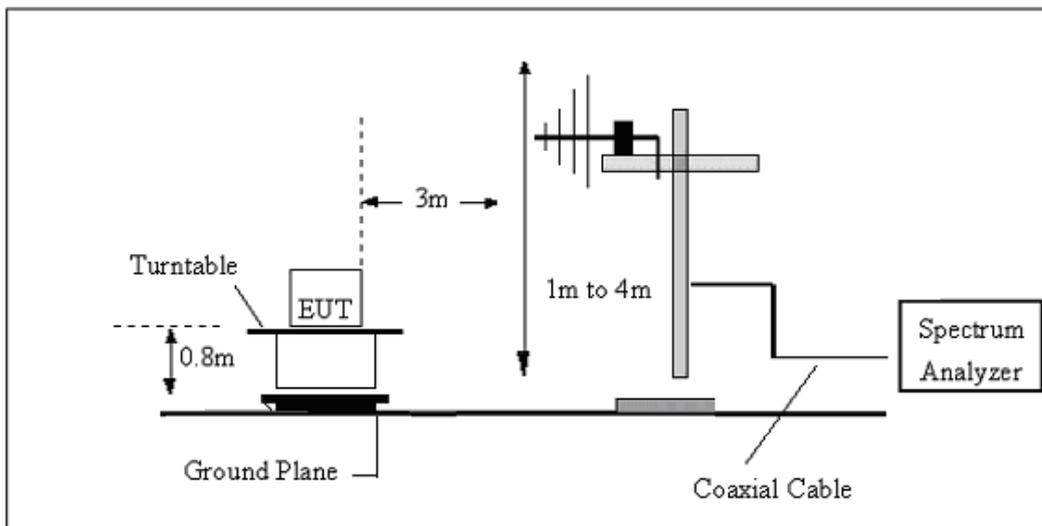
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

4.3 TEST SETUP

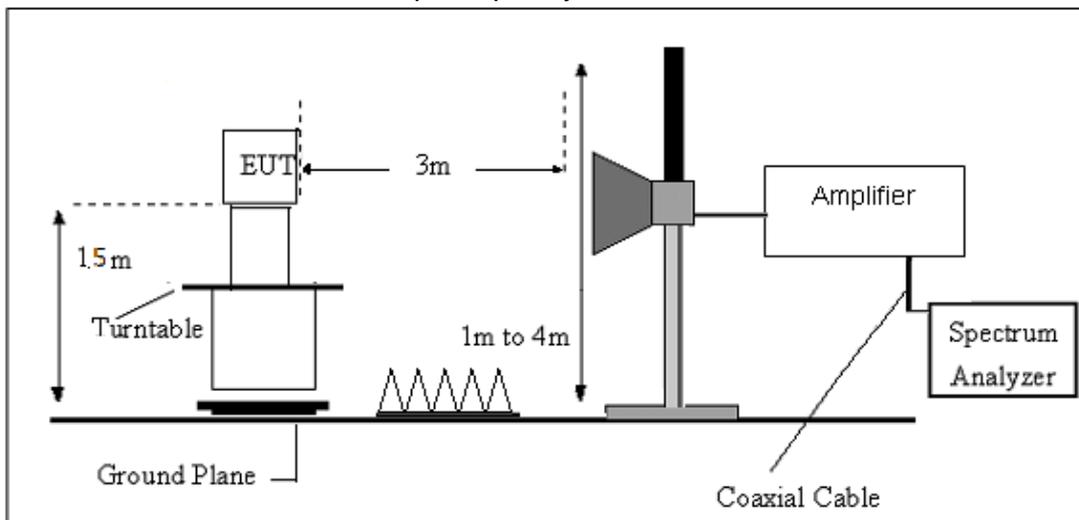
(A) Radiated Emission Test-Up Frequency Below 30MHz



(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 3.7V

For field strength of the fundamental signal

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
433.92	82.75	17.53	3.02	29.43	73.87	100.83	-26.96	Horizontal
433.92	87.62	17.53	3.02	29.43	78.74	100.83	-22.09	Vertical

Average value:

Frequency (MHz)	Peak Value (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
433.92	73.87	-8.02	65.85	80.83	-14.98	Horizontal
433.92	78.74	-8.02	70.72	80.83	-10.11	Vertical

Remarks:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *Average value=Peak value + Duty cycle factor*

T on time =0.325X8 + 0.9917X8=10.53(ms)
 T period =26.50(ms)
 Duty cycle=10.53/26.50=39.74%
 Duty cycle factor =20 log(0.3974)=-8.02

For spurious emission

(9KHz-30MHz)

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

Note:

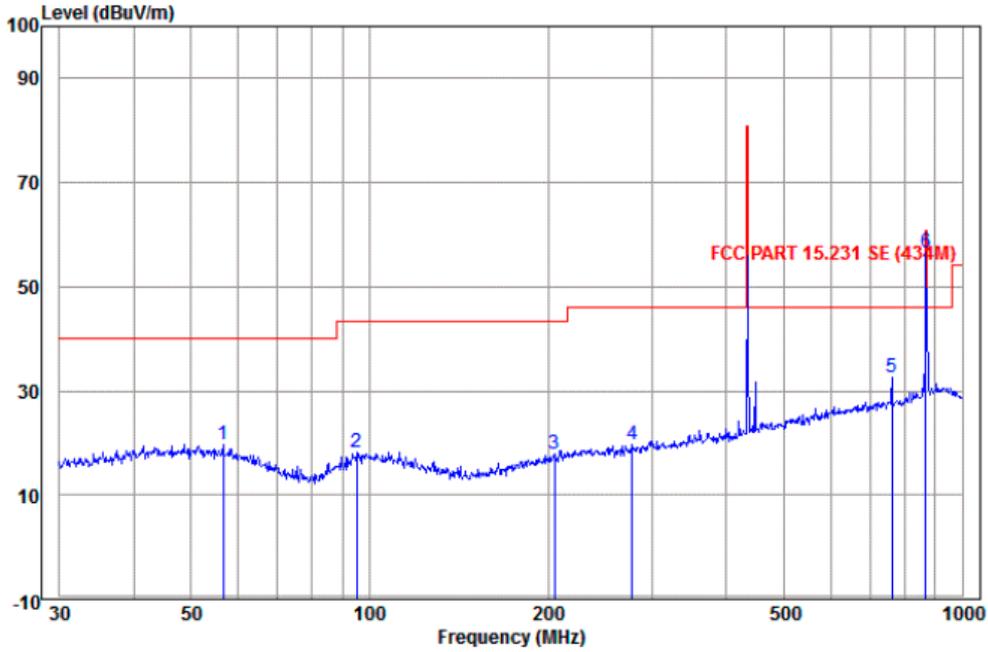
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB);

LIMIT LINE = SPECIFIC LIMITS (DBUV) + DISTANCE EXTRAPOLATION FACTOR.

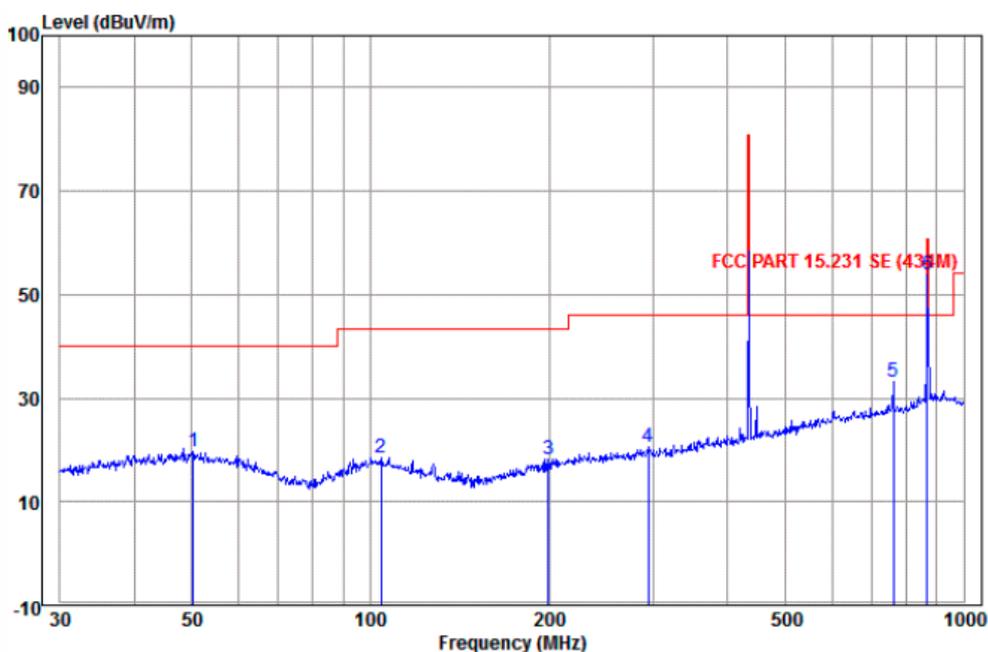
(30MHZ-1000MHZ)

Temperature:	23.7°C	Relative Humidity:	61%
Test Voltage:	DC 3.7V	Phase:	Horizontal
Test Mode:	ASK		



	Ant Freq	Cable Factor	Loss	Read Level	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	56.593	13.58	0.18	5.94	19.70	40.00	-20.30	Horizontal QP
2	95.093	11.74	0.50	5.99	18.23	43.50	-25.27	Horizontal QP
3	204.955	11.62	1.13	5.22	17.97	43.50	-25.53	Horizontal QP
4	277.094	13.05	1.19	5.43	19.67	46.00	-26.33	Horizontal QP
5	760.704	19.57	2.50	10.63	32.70	46.00	-13.30	Horizontal QP
6	869.130	21.61	2.47	32.54	56.62	60.80	-4.18	Horizontal QP

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



	Ant Freq	Cable Factor	Cable Loss	Read Level	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	50.232	14.56	0.11	5.12	19.79	40.00	-20.21	Vertical QP
2	104.170	12.13	0.59	5.83	18.55	43.50	-24.95	Vertical QP
3	199.286	11.47	1.09	5.68	18.24	43.50	-25.26	Vertical QP
4	294.114	13.31	1.10	6.06	20.47	46.00	-25.53	Vertical QP
5	760.704	19.57	2.50	11.20	33.27	46.00	-12.73	Vertical QP
6	869.130	21.61	2.47	29.70	53.78	60.80	-7.02	Vertical

(1GHZ~5GHZ)

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1735.68	61.49	25.05	4.82	34.00	57.36	74.00	-16.64	Vertical
2169.60	55.81	27.74	5.15	34.27	54.43	74.00	-19.57	Vertical
2603.52	54.08	27.82	5.58	33.78	53.70	74.00	-20.30	Vertical
1735.68	60.21	25.05	4.82	34.00	56.08	74.00	-17.92	Horizontal
2169.60	55.51	27.74	5.15	34.27	54.13	74.00	-19.87	Horizontal
2603.52	53.69	27.82	5.58	33.78	53.31	74.00	-20.69	Horizontal

Average value:

Frequency (MHz)	Level (dBuV/m)	Duty cycle factor	Average value (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
1735.68	44.36	-8.02	36.34	54.00	-17.66	Vertical
2169.60	44.43	-8.02	36.41	54.00	-17.59	Vertical
2603.52	43.70	-8.02	35.68	54.00	-18.32	Vertical
1735.68	40.08	-8.02	32.78	54.00	-21.22	Horizontal
2169.60	44.13	-8.02	36.11	54.00	-17.89	Horizontal
2603.52	43.31	-8.02	35.29	54.00	-18.71	Horizontal

Remarks:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *Average value=Peak value + Duty cycle factor*

5. TRANSMITTER TIME

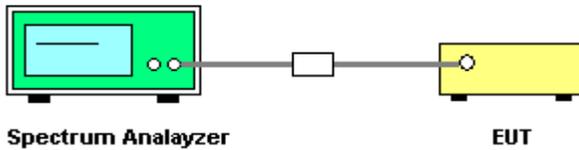
5.1 LIMIT

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

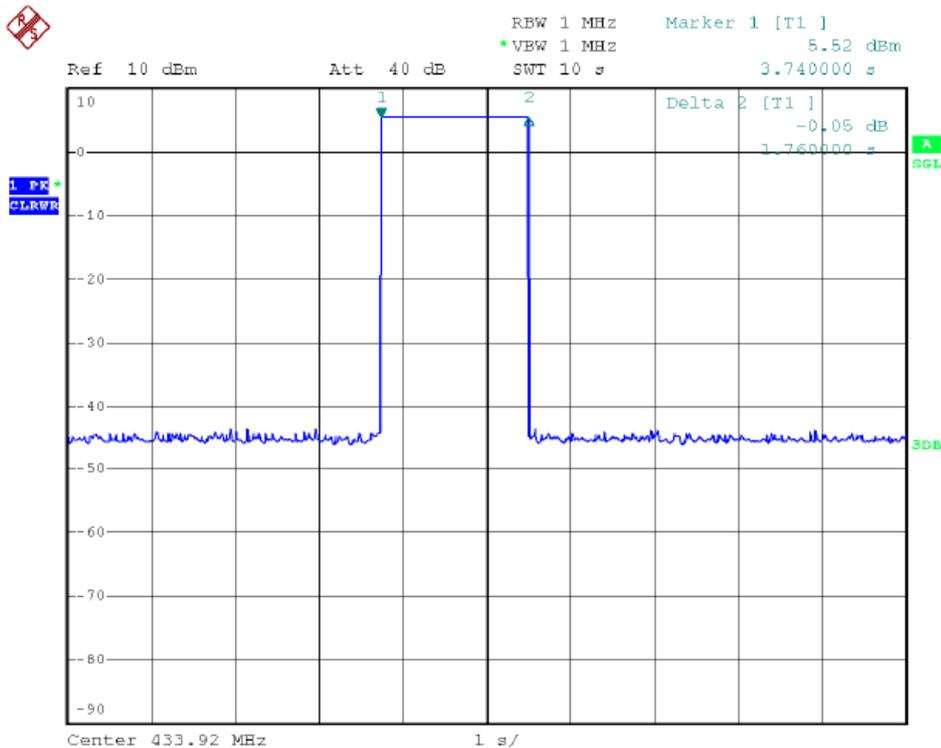
- a. The EUT's RF signal was coupled to spectrum analyzer by antenna connected to spectrum analyzer.
- b. Set the spectrum to zero span mode, and centered of EUT frequency.
- c. Measure the stop transmitting time after release EUT button

5.3 TEST SETUP



5.4 TEST RESULTS

Frequency(MHz)	Limit	Result
433.92	≤5s	Pass



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

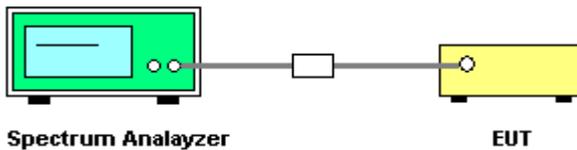
Connect EUT' s antenna output to spectrum analyzer by RF cable.

a.

The bandwidth of the fundamental frequency was measured by spectrum analyzer with 300Hz RBW and 1kHz VBW. The 20dB bandwidth is defined as the total spectrum the

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

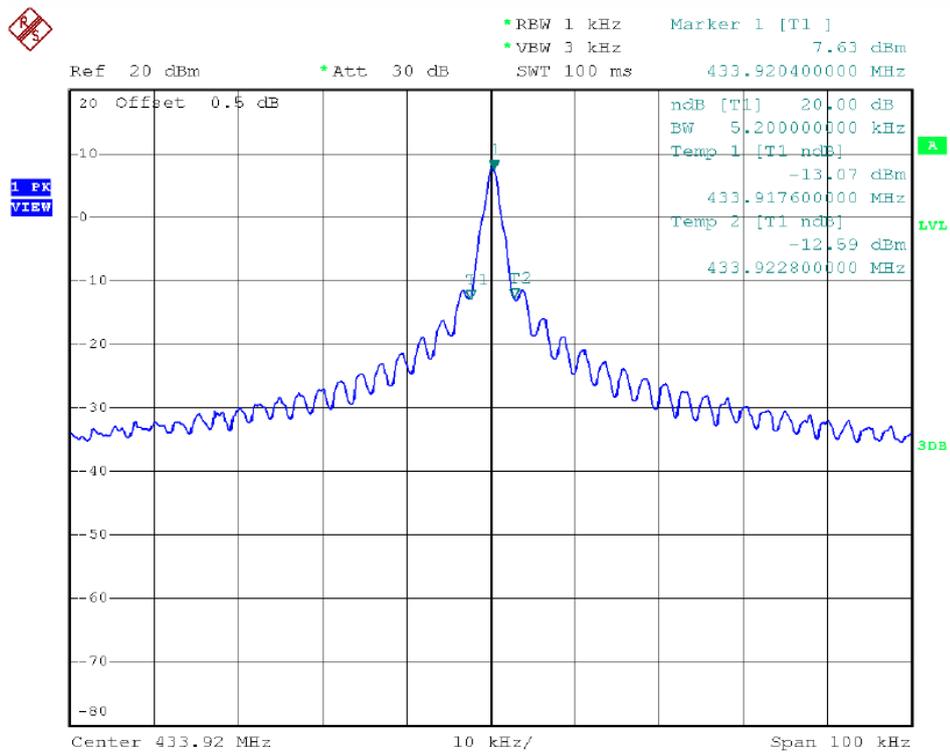
6.3 TEST SETUP



6.4 TEST RESULTS

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

Frequency	20dB Bandwidth (KHz)	Result
433.92 MHz	5.20	PASS



7. DUTY CYCLE

7.1 LIMIT

None: for reporting purposes only.

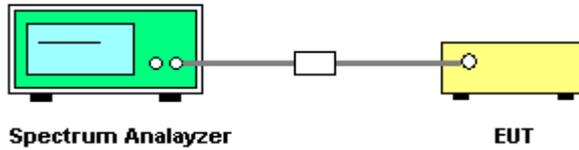
7.2 TEST PROCEDURE

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

- a. Set the span=0MHz, RBW=1MHz, VBW=1MHz, Sweep time=300ms;

Trace mode = Single hold

7.3 TEST SETUP



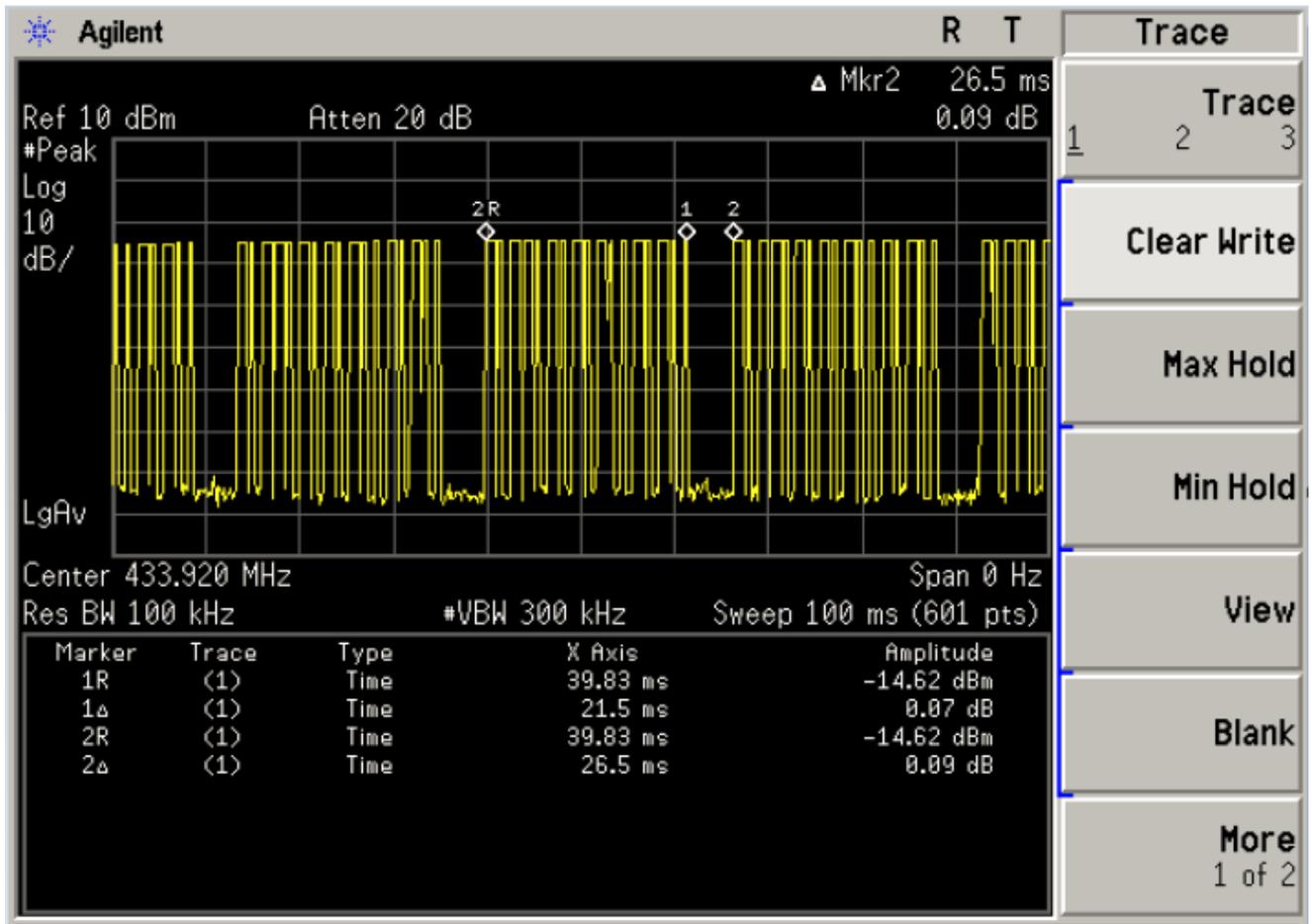
7.4 TEST RESULTS

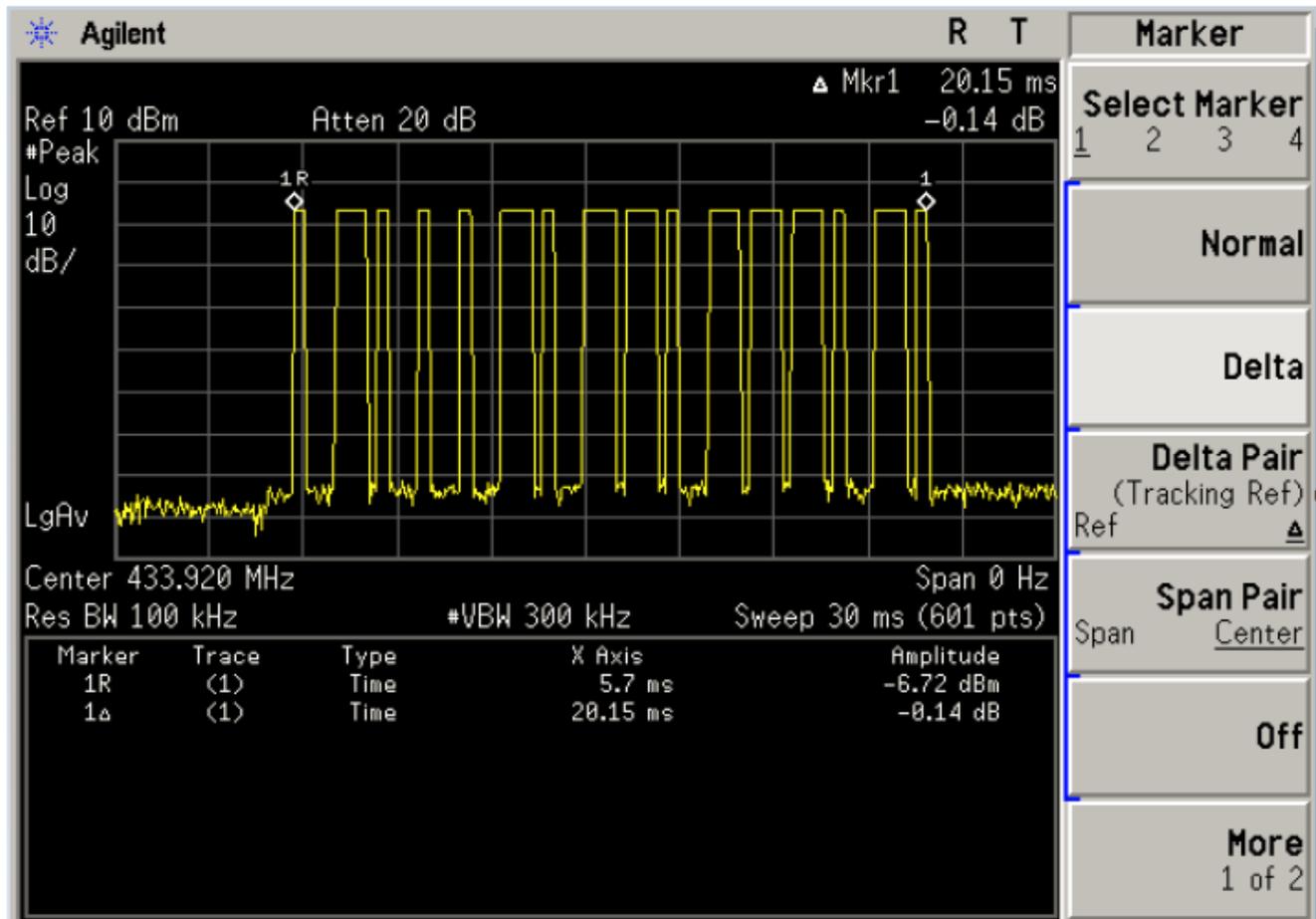
Frequency	Duty Cycle
433.92 MHz	39.74%

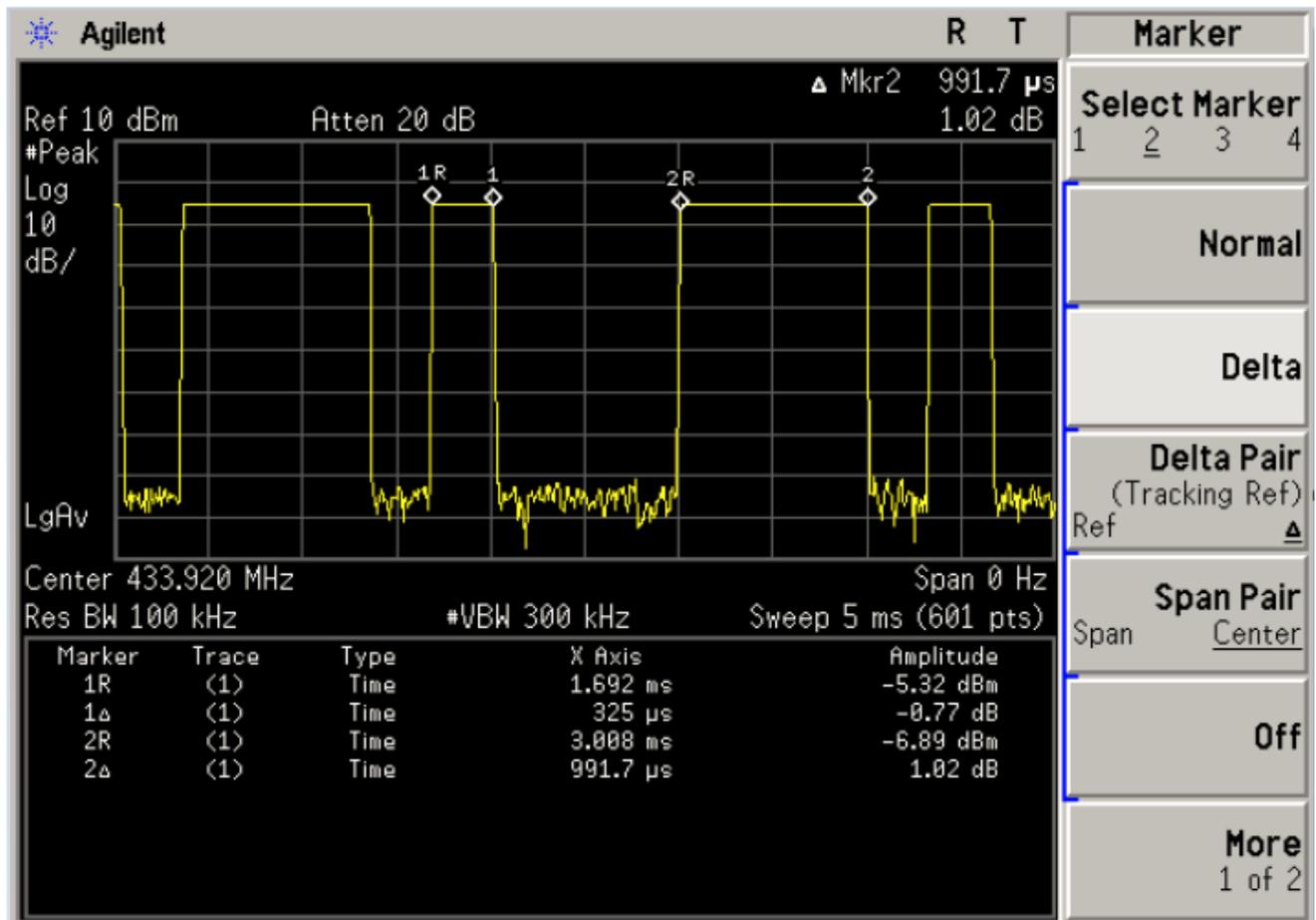
Duty cycle factor = $20 \log(\text{Duty cycle})$
 Duty cycle = on time / 0.1 seconds or period, whichever is less

T on time = $0.325 \times 8 + 0.9917 \times 8 = 10.53(\text{ms})$
 T period = $26.50(\text{ms})$
 Duty cycle = $10.53 / 26.50 = 39.74\%$
 Duty cycle factor = $20 \log(0.3974) = -8.02$

Original test data







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 integra antenna and other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 0.5dBi.

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