



# FCC Part 15C Test Report

## FCC ID:2ALOXD10

Product Name:	<b>Remote control toy aircraft</b>
Trademark:	N/A
Model Name :	D10 D15, D18, D20, D25, D28, D30, D35, D40, D50, D58, D60, D65, D68, D80, D85, D88, D90, D95, D98
Prepared For :	<b>Shenzhen Deep Sea Investment Co., Ltd</b>
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Prepared By :	<b>Shenzhen BCTC Testing Co., Ltd.</b>
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Test Date:	May. 14 – May. 21, 2018
Date of Report :	May. 21, 2018
Report No.:	BCTC-FY180301071E



## VERIFICATION OF COMPLIANCE

**Applicant's name .....** : **Shenzhen Deep Sea Investment Co., Ltd**

Address.....: Third to forth Floor, Building No. 4, Guigu Compound,  
Qingquan Road, Longhua District, Shenzhen,P.R. China.

**Manufacture's Name .....** : **Shenzhen Deep Sea Investment Co., Ltd**

Address.....: Third to forth Floor, Building No. 4, Guigu Compound,  
Qingquan Road, Longhua District, Shenzhen,P.R. China.

### Product description

Product name.....: Remote control toy aircraft

Trademark: N/A

Model Name: D10

Standards: FCC Part15.249  
ANSI C63.10-2013

This device described above has been tested by BCTC, and 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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Test Result .....: **Pass**

Prepared by(Engineer): Eric Yang

Reviewer(Supervisor): Jade Yang

Approved(Manager): Carson Zhang





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## 1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.249) , Subpart C			
Standard Section	Test Item	Judgment	Remark
15.207(a)	Conducted Emission	N/A	
15.209(a)&&15.249(a)&15.249(c)&15.205(a)	Fundamental &Radiated Spurious Emission Measurement	PASS	
15.215(c)	Bandwidth	PASS	
15.249(d)	Band Edge Emission	PASS	
15.203	Antenna Requirement	PASS	

NOTE:

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

(2) This EUT is powered by the battery only, this test item is not applicable.

### 1.1 TEST FACILITY

Shenzhen BCTC Testing Co., Ltd.

Add.: BCTC Building & 1-2F, East of B Building, Pengzhou Industrial, Fuyuan 1st Road, Qiaotou Community, Fuyong Street, Bao'an District, Shenzhen, China

Test Firm Registration Number: 712850

### 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	Conducted Emission Test	$\pm 1.38\text{dB}$
2	RF power,conducted	$\pm 0.16\text{dB}$
3	Spurious emissions,conducted	$\pm 0.21\text{dB}$
4	All emissions,radiated(<1G)	$\pm 4.68\text{dB}$
5	All emissions,radiated(>1G)	$\pm 4.89\text{dB}$
6	Temperature	$\pm 0.5^\circ\text{C}$
7	Humidity	$\pm 2\%$



## 2. GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

Equipment	Remote control toy aircraft								
Trade Name	N/A								
Model Name	D10								
Serial Model	D15, D18, D20, D25, D28, D30, D35, D40, D50, D58, D60, D65, D68, D80, D85, D88, D90, D95, D98								
Model Difference	All the model are the same circuit and RF module, except model names.								
Product Description	<table border="1"><tr><td>Operation Frequency:</td><td>2448-2472MHz</td></tr><tr><td>Modulation Type:</td><td>GFSK</td></tr><tr><td>Number Of Channel</td><td>4CH</td></tr><tr><td>Antenna Designation:</td><td>Please see Note 3.</td></tr></table> <p>Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual.</p>	Operation Frequency:	2448-2472MHz	Modulation Type:	GFSK	Number Of Channel	4CH	Antenna Designation:	Please see Note 3.
Operation Frequency:	2448-2472MHz								
Modulation Type:	GFSK								
Number Of Channel	4CH								
Antenna Designation:	Please see Note 3.								
Channel List	Please refer to the Note 2.								
Battery	DC6V(4*1.5V AAA battery)								
Connecting I/O Port(s)	Please refer to the User's Manual								
hardware version	-								
Software version	-								

Note:

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



2.

Channel List					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2448	02	2456	03	2464
04	2472				

3.

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	Internal Antenna	N/A	0dBi	

## 2.2 DESCRIPTION OF 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.

For All Mode	Description	Modulation Type
Mode 1	CH01	GFSK
Mode 2	CH02	
Mode 3	CH04	
Mode 4	Link mode	

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) Fully-charged battery is used during the test

## 2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

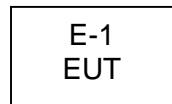
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

Frequency	2448MHz	2456MHz	2472MHz
Channel	Low	Middle	High



## 2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test



## 2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	Remote control toy aircraft	N/A	D10	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	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".



## 2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

### Radiation Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	Agilent	E4407B	MY45108040	2017.08.27	2018.08.26
2	Test Receiver (9kHz-7GHz)	R&S	ESPI	101318	2017.08.27	2018.08.26
3	Bilog Antenna (30MHz-1GHz)	R&S	VULB 9168	VULB91 68-438	2017.08.27	2018.08.26
4	Horn Antenna (1GHz-18GHz)	SCHWARZBECK	BBHA9120D	1201	2017.09.03	2018.09.02
5	Horn Antenna (14GHz-40GHz)	SCHWARZBECK	BBHA 9170	9170-181	2017.09.03	2018.09.02
6	Amplifier (9KHz-6GHz)	SCHWARZBECK	BBV9744	9744-0037	2017.08.27	2018.08.26
7	Amplifier (1GHz-18GHz)	SCHWARZBECK	BBV9718	9718-309	2017.08.27	2018.08.26
8	Amplifier (18GHz-40GHz)	SCHWARZBECK	BBV 9721	9721-205	2017.08.27	2018.08.26
9	Loop Antenna (9KHz-30MHz)	SCHWARZBECK	FMZB1519B	00014	2017.09.03	2018.09.02
10	RF cables1 (9kHz-1GHz)	R&S	R203	R20X	2017.08.27	2018.08.26
11	RF cables2 (1GHz-40GHz)	R&S	R204	R21X	2017.08.27	2018.08.26
12	Antenna connector	Florida RF Labs	N/A	RF 01#	2017.08.27	2018.08.26
13	Power Meter	ANRITSU	ML2487A	6K00001568	2017.08.27	2018.08.26
14	Power Sensor (AV)	ANRITSU	ML2491A	030989	2017.08.27	2018.08.26
15	Signal Analyzer 9kHz-26.5GHz	Agilent	N9010A	MY48030494	2017.08.27	2018.08.26
16	Test Receiver 20kHz-40GHz	R&S	ESU 40	100376	2017.08.27	2018.08.26
17	D.C. Power Supply	LongWei	PS-305D	010964729	2017.08.27	2018.08.26

### Conduction Test equipment

Item	Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
1	Test Receiver	R&S	ESCI	1166.5950K03-1011 65-ha	2017.08.27	2018.08.26
2	LISN	SCHWARZBECK	NSLK8127	8127739	2017.08.27	2018.08.26
3	LISN	R&S	NSLK8126	8126487	2017.08.27	2018.08.26
4	RF cables	R&S	R204	R20X	2017.08.27	2018.08.26
5	Attenuator	R&S	ESH3-Z2	143206	2017.08.27	2018.08.26



### 3. EMC EMISSION TEST

#### 3.1 RADIATED EMISSION MEASUREMENT

##### 3.1.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

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 (Above 1000MHz)

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

Notes:

- (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).

##### FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower



Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

### 3.1.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 25GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 and 1.5 meters above the ground at a 3 meter semi-chamber test. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; above 1GHz, the height was 1.5m, the height of the test antenna shall vary between 1 m to 4 m. Both 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 Quasi Peak 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.
- g. For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

Note:

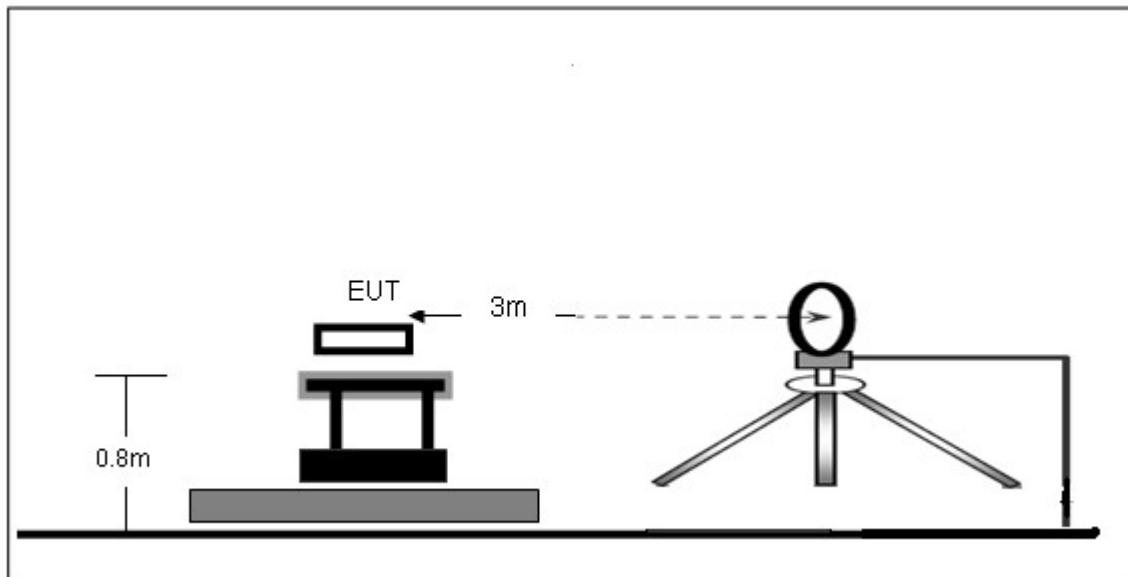
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

### 3.1.3 DEVIATION FROM TEST STANDARD

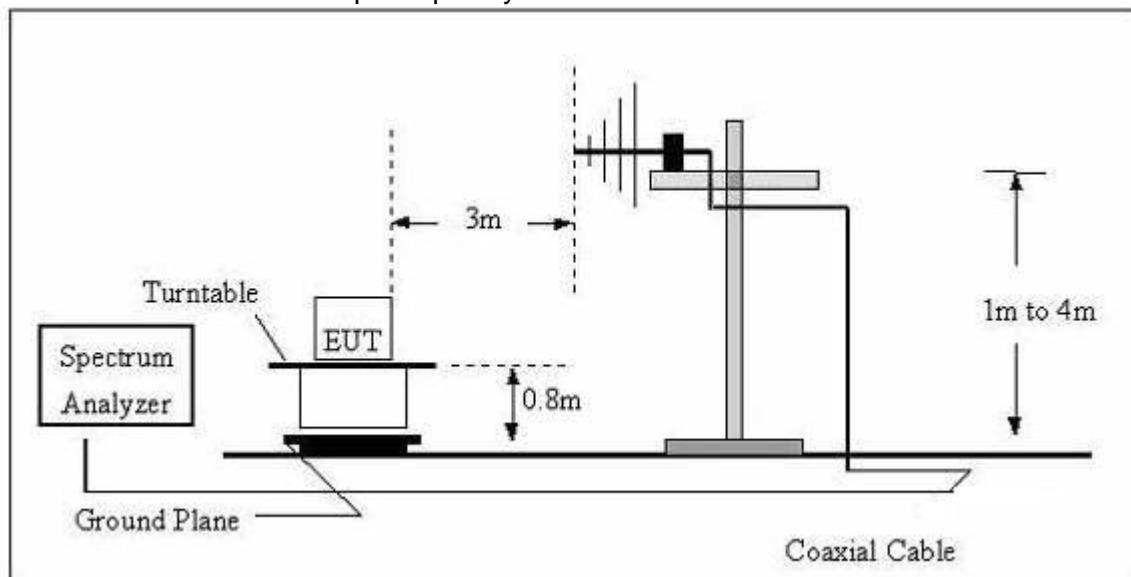
No deviation

### 3.1.4 TEST SETUP

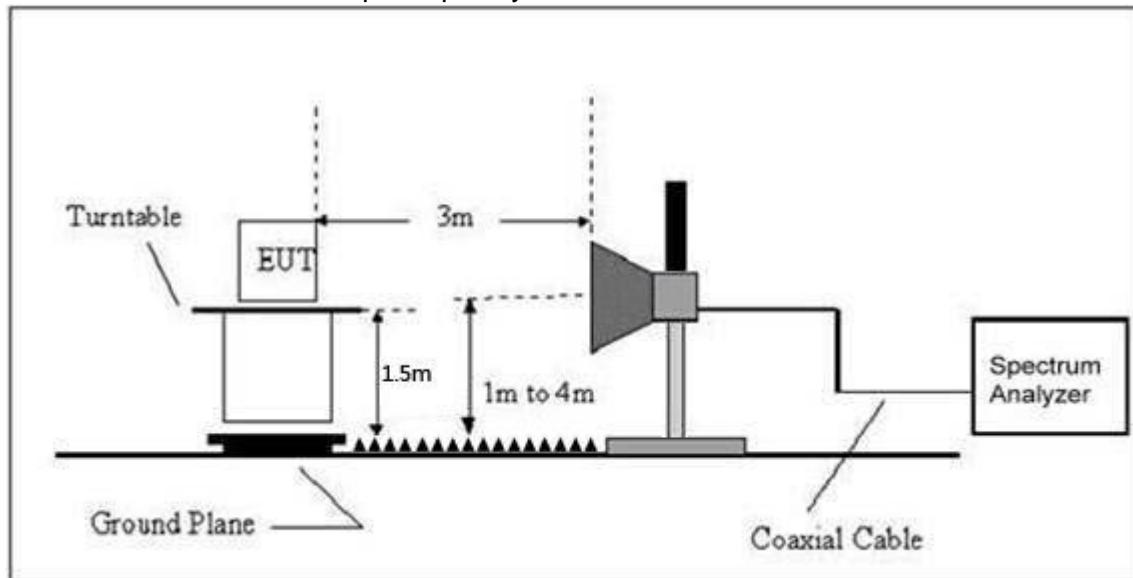
#### (A) Radiated Emission Test-Up Frequency Below 30MHz



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



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



### 3.1.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



### 3.1.6 TEST RESULTS

#### Radiated Spurious Emission (Below 30MHz )

Temperature :	25 °C	Relative Humidity :	55%
Pressure :	1010 hPa	Polarization :	---
Test Voltage :	DC 6V		
Test Mode :	Mode 4		

Freq. (MHz)	Reading (dBuV/m)	Limit (dBuV/m)	Margin (dB)	State
--	--	--	--	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.

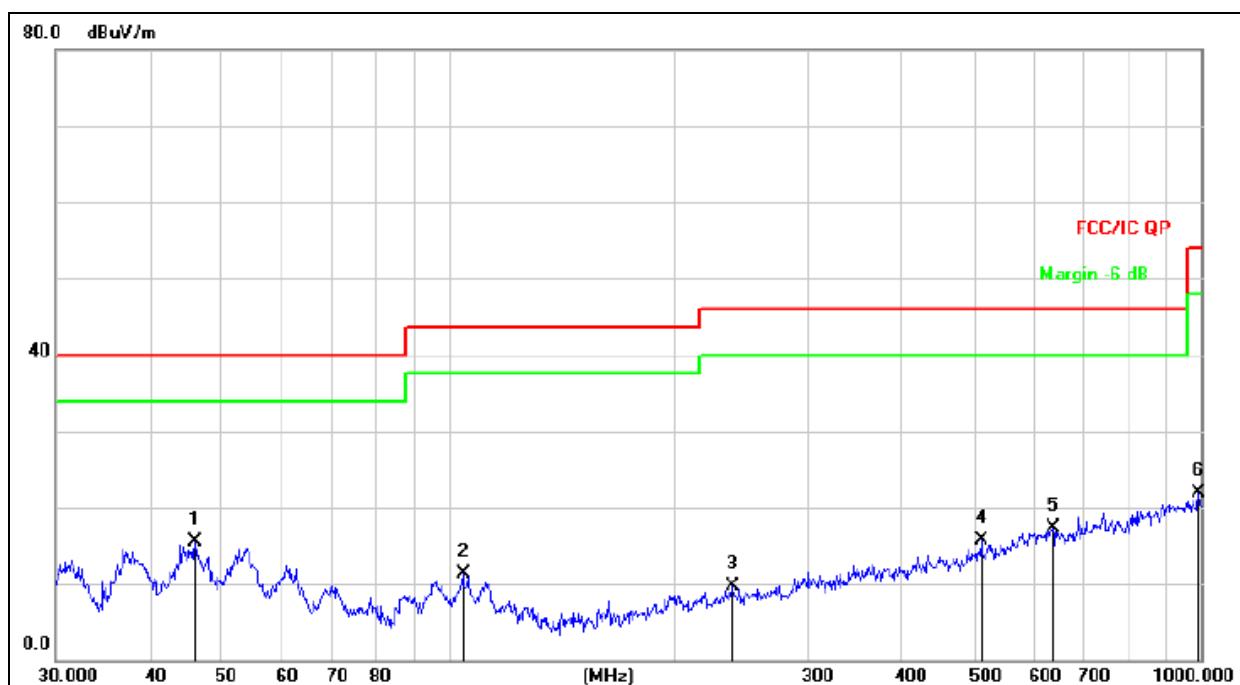
Distance extrapolation factor = $40 \log (\text{specific distance}/\text{test distance})$ (dB);

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



## Radiated Spurious Emission (Between 30MHz – 1GHz)

Temperature :	25 °C	Relative Humidity :	55%
Pressure :	1010 hPa	Polarization :	Horizontal
Test Voltage :	DC 6V		
Test Mode :	Mode 4 (Worst)		



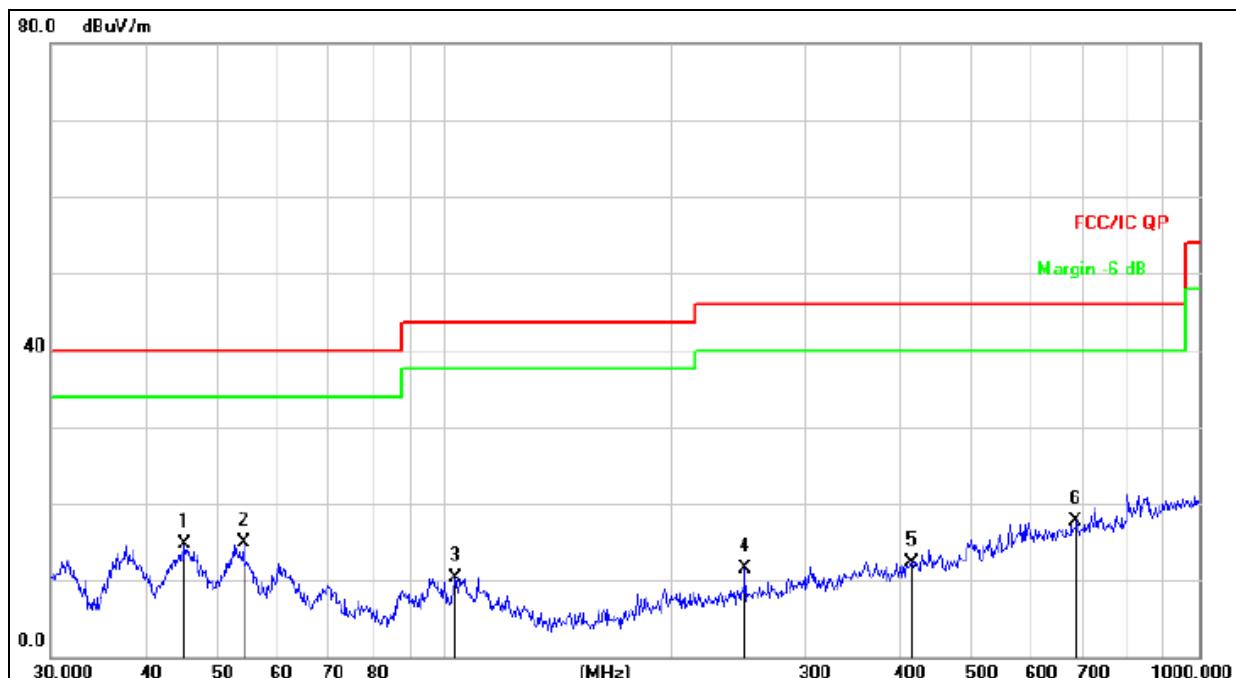
## Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	A
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1	*	46.0164	29.50	-14.02	15.48	40.00	-24.52	QP
2		104.5361	26.89	-15.63	11.26	43.50	-32.24	QP
3		238.3102	25.20	-15.59	9.61	46.00	-36.39	QP
4		510.0436	24.77	-9.16	15.61	46.00	-30.39	QP
5		636.1340	23.80	-6.52	17.28	46.00	-28.72	QP
6		993.0114	23.66	-1.66	22.00	54.00	-32.00	QP



Temperature :	25 °C	Relative Humidity :	55%
Pressure :	1010 hPa	Polarization :	Vertical
Test Voltage :	DC 6V		
Test Mode :	Mode 4 (Worst)		

**Remark:**

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		45.2166	28.72	-14.03	14.69	40.00	-25.31	QP
2	*	54.0711	29.59	-14.62	14.97	40.00	-25.03	QP
3		103.4421	25.89	-15.61	10.28	43.50	-33.22	QP
4		250.3012	26.59	-15.10	11.49	46.00	-34.51	QP
5		416.1791	23.71	-11.32	12.39	46.00	-33.61	QP
6		687.1507	23.71	-6.06	17.65	46.00	-28.35	QP

Radiated Spurious Emission ( 1GHz to 10<sup>th</sup> harmonics)

## GFSK

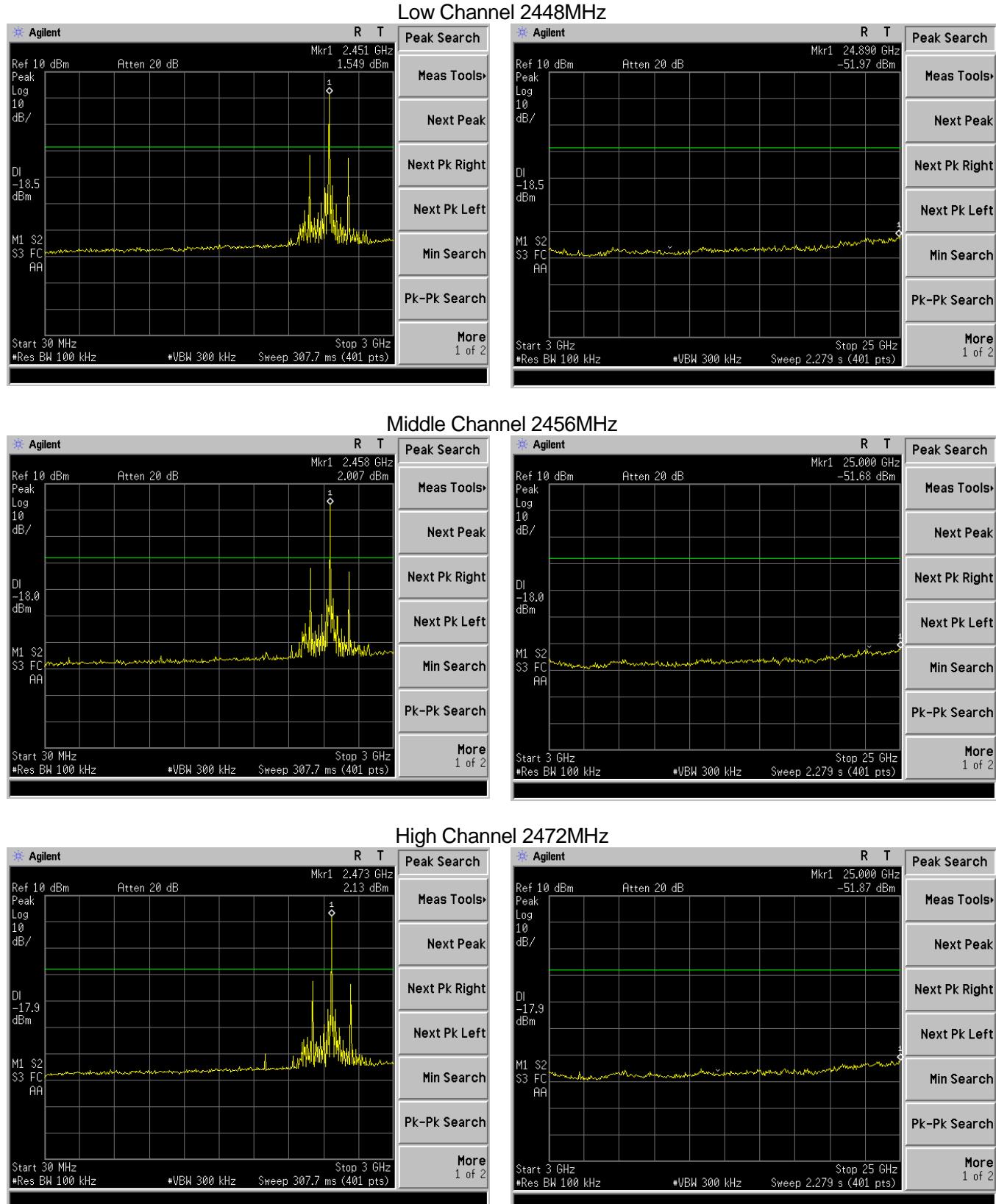
Polar (H/V)	Frequency	Meter Reading	Pre-amplifier	Cable Loss	Antenna Factor	Emission Level	Limits	Margin	Detector Type
	(MHz)	(dBuV)	(dB)	(dB)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
<b>Low Channel 2448MHz</b>									
V	2448.00	103.43	38.06	7.42	20.15	92.94	114.00	-21.06	PK
V	2448.00	90.01	38.06	7.42	20.15	79.52	94.00	-14.48	AV
V	4896.00	53.31	38.53	7.78	23.25	45.81	74.00	-28.19	PK
V	4896.00	42.48	38.53	7.78	23.25	34.98	54.00	-19.02	AV
V	16132.00	43.11	38.75	10.36	26.57	41.29	74.00	-32.71	PK
H	2448.00	105.35	38.06	7.42	20.15	94.86	114.00	-19.14	PK
H	2448.00	91.10	38.06	7.42	20.15	80.61	94.00	-13.39	AV
H	4896.00	55.41	38.53	7.78	23.25	47.91	74.00	-26.09	PK
H	4896.00	42.22	38.53	7.78	23.25	34.72	54.00	-19.28	AV
H	16132.00	43.49	38.75	10.36	26.57	41.67	74.00	-32.33	PK
<b>Middle Channel 2456MHz</b>									
V	2456.00	102.53	38.11	7.44	20.36	92.22	114.00	-21.78	PK
V	2456.00	85.88	38.11	7.44	20.36	75.57	94.00	-18.43	AV
V	4912.00	52.61	38.65	7.80	23.61	45.37	74.00	-28.63	PK
V	4912.00	44.26	38.65	7.80	23.61	37.02	54.00	-16.98	AV
V	16132.00	42.05	38.75	10.36	26.57	40.23	74.00	-33.77	PK
H	2456.00	103.23	38.11	7.44	20.36	92.92	114.00	-21.08	PK
H	2456.00	84.52	38.11	7.44	20.36	74.21	94.00	-19.79	AV
H	4912.00	52.24	38.65	7.80	23.61	45.00	74.00	-29.00	PK
H	4912.00	42.86	38.65	7.80	23.61	35.62	54.00	-18.38	AV
H	16132.00	42.09	38.75	10.36	26.57	40.27	74.00	-33.73	PK
<b>High Channel 2472MHz</b>									
V	2472.00	103.54	38.17	7.47	20.51	93.35	114.00	-20.65	PK
V	2472.00	91.17	38.17	7.47	20.51	80.98	94.00	-13.02	AV
V	4944.00	51.76	38.69	7.83	23.83	44.73	74.00	-29.27	PK
V	4944.00	43.96	38.69	7.83	23.83	36.93	54.00	-17.07	AV
V	16132.00	43.87	38.75	10.36	26.57	42.05	74.00	-31.95	PK
H	2472.00	99.62	38.17	7.47	20.51	89.43	114.00	-24.57	PK
H	2472.00	88.64	38.17	7.47	20.51	78.45	94.00	-15.55	AV
H	4944.00	55.48	38.69	7.83	23.83	48.45	74.00	-25.55	PK
H	4944.00	43.74	38.69	7.83	23.83	36.71	54.00	-17.29	AV
H	16132.00	44.01	38.75	10.36	26.57	42.19	74.00	-31.81	PK

**Remark:**

1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier,  
Margin= Emission Level - Limit
2. If peak below the average limit, the average emission was no test.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

## CONDUCTED EMISSION MEASUREMENT

### GFSK





## 4. BANDWIDTH TEST

### 4.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.249) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.249	Bandwidth	(20dB bandwidth)	2402-2480	PASS

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RB	100KHz
VB	$\geq$ RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

#### 4.1.1 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting : RBW= 100KHz, VBW $\geq$  RBW, Sweep time = Auto.

#### 4.1.2 DEVIATION FROM STANDARD

No deviation.

#### 4.1.3 TEST SETUP



#### 4.1.4 EUT OPERATION CONDITIONS

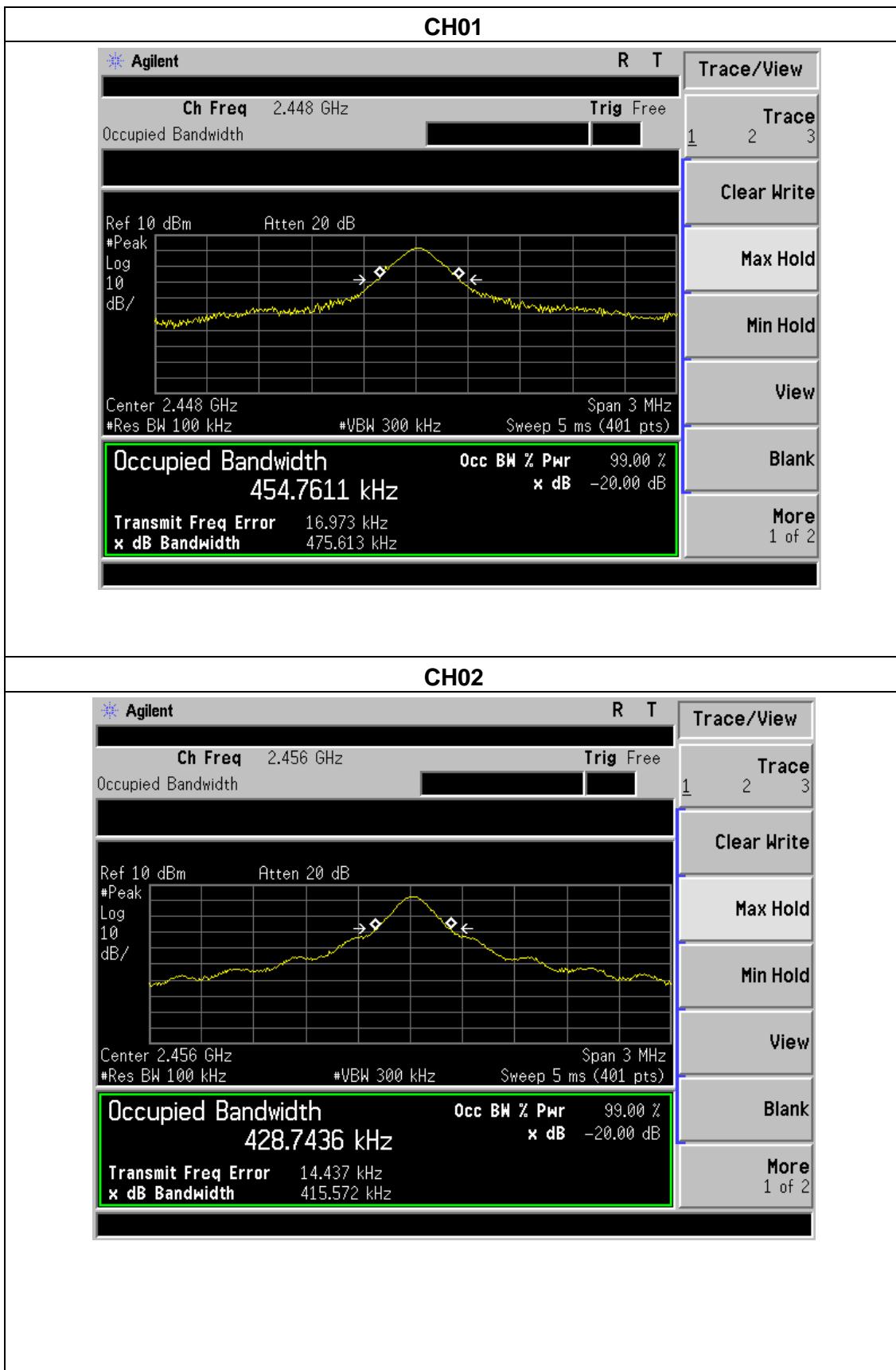
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

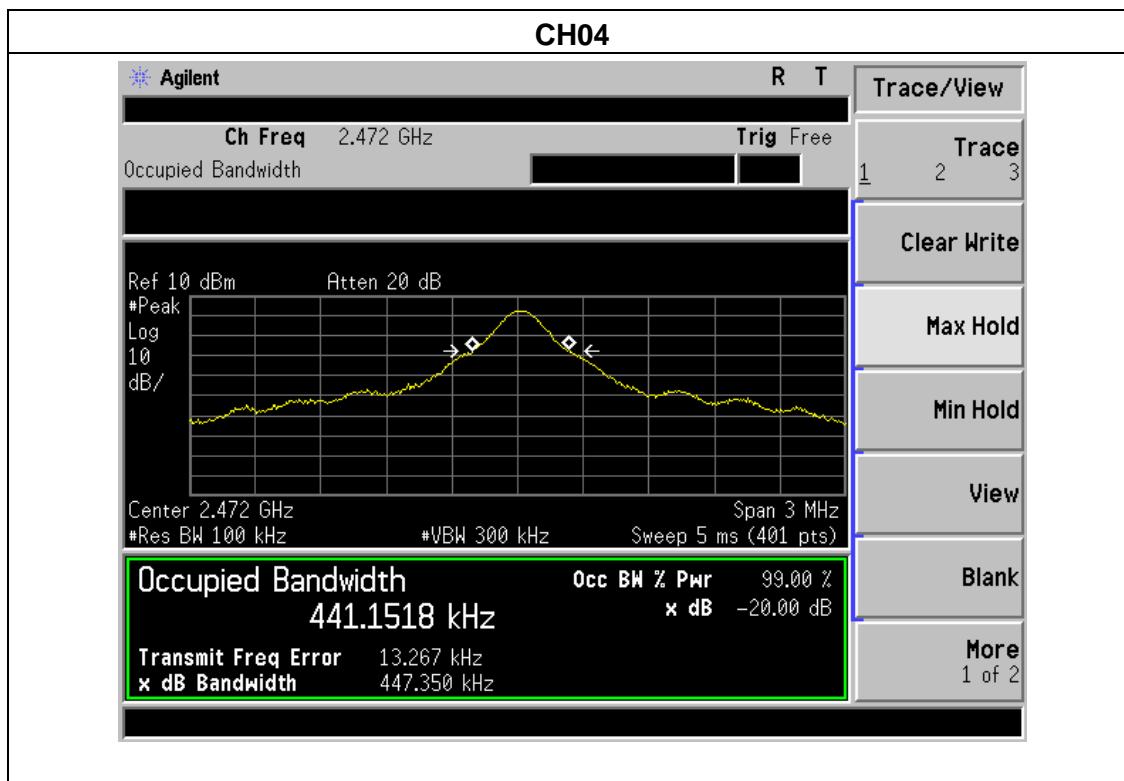


#### 4.1.5 TEST RESULTS

EUT :	Remote control toy aircraft	Model Name :	D10
Temperature :	25 °C	Relative Humidity :	55%
Pressure :	1012 hPa	Test Voltage :	DC6V
Test Mode :	CH01/ CH02 /CH04		

	Frequency	20dB Bandwidth (kHz)	Result
GFSK	2448 MHz	475.613	<b>PASS</b>
	2456 MHz	415.572	<b>PASS</b>
	2472MHz	447.350	<b>PASS</b>







## 5. 100 KHZ BANDWIDTH OF FREQUENCY BAND EDGE

### APPLICABLE STANDARD

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)(c)

### TEST PROCEDURE

- a) Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b) Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
- c) Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
- d) Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
- e) Repeat above procedures until all measured frequencies were complete.

#### Note:

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



## 5.1 DEVIATION FROM STANDARD

No deviation.

## 5.2 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

## 5.3 TEST RESULTS

Temperature :	25 °C		Relative Humidity :		54%		
Pressure :	1012 hPa		Test Voltage :		DC6V		
Test Mode :	CH01/ CH04						

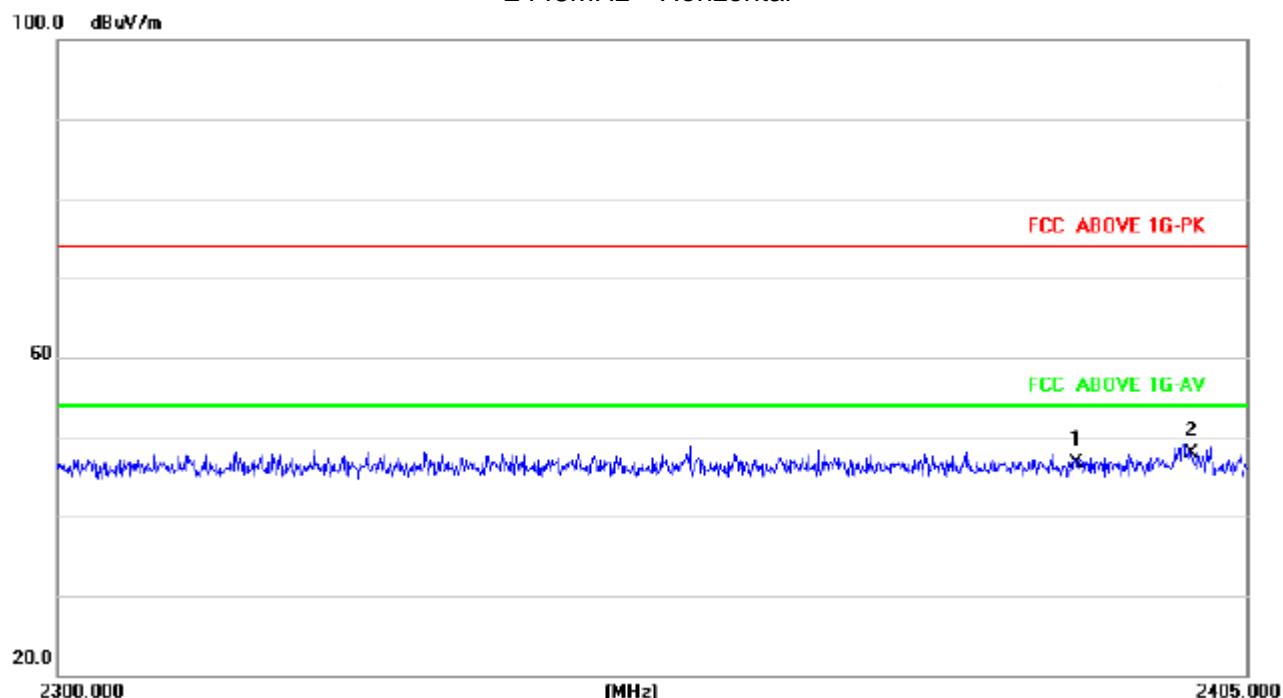
	Polar (H/V)	Frequency (MHz)	Meter Reading (dBuV)	Pre- amplifier (dB)	Cable Loss (dB)	Antenna Factor (dB/m)	Emission evel (dBuV/m)	Limits (dBuV/m)		Result
								PK	PK	
Low Channel 2448MHz										
GF SK	H	2378.54	55.58	38.06	7.42	20.15	45.09	74.00	54.00	PASS
	H	2400.00	57.66	38.06	7.42	20.15	47.17	74.00	54.00	PASS
	V	2378.62	58.80	38.06	7.42	20.15	48.31	74.00	54.00	PASS
	V	2400.00	56.96	38.06	7.42	20.15	46.47	74.00	54.00	PASS
	High Channel 2472MHz									
	H	2483.50	56.78	38.17	7.45	20.54	46.57	74.00	54.00	PASS
	H	2491.20	55.54	38.17	7.45	20.54	45.33	74.00	54.00	PASS
	V	2483.50	56.66	38.20	7.45	20.54	46.45	74.00	54.00	PASS
	V	2491.20	56.67	38.20	7.45	20.54	46.46	74.00	54.00	PASS

### Remark:

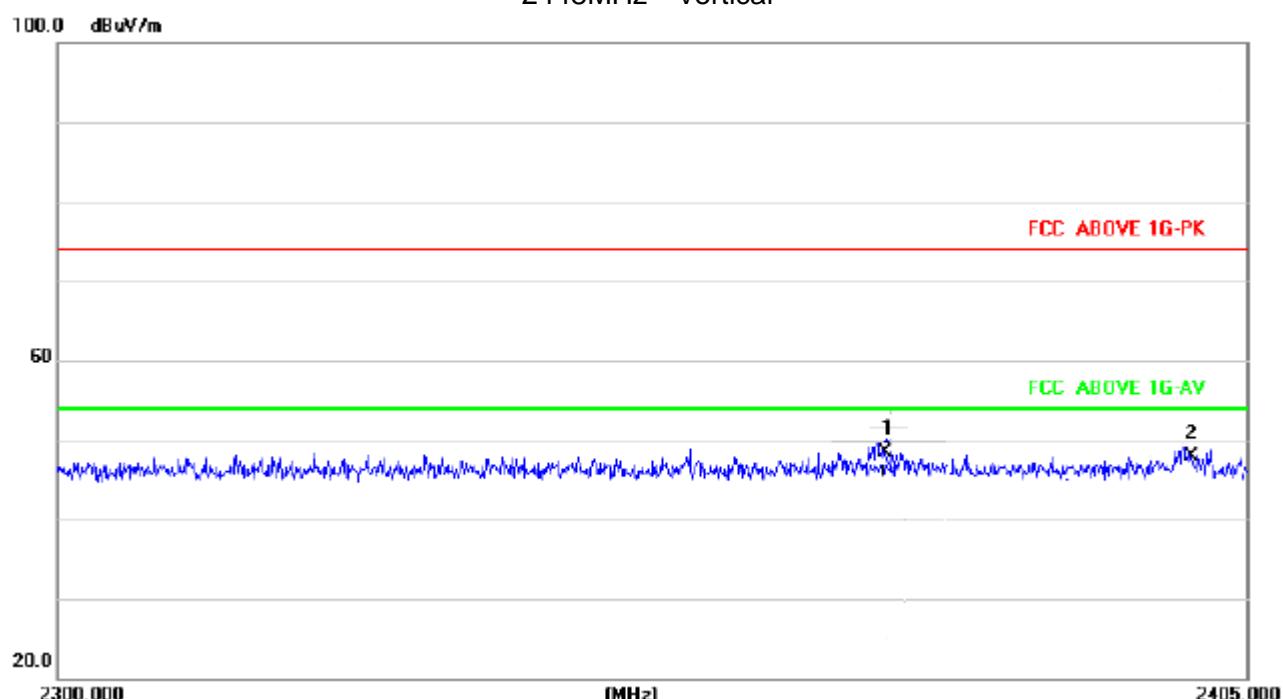
1. Emission Level = Meter Reading + Antenna Factor + Cable Loss – Pre-amplifier, Margin= Emission Level - Limit
2. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.



## 2448MHz Horizontal

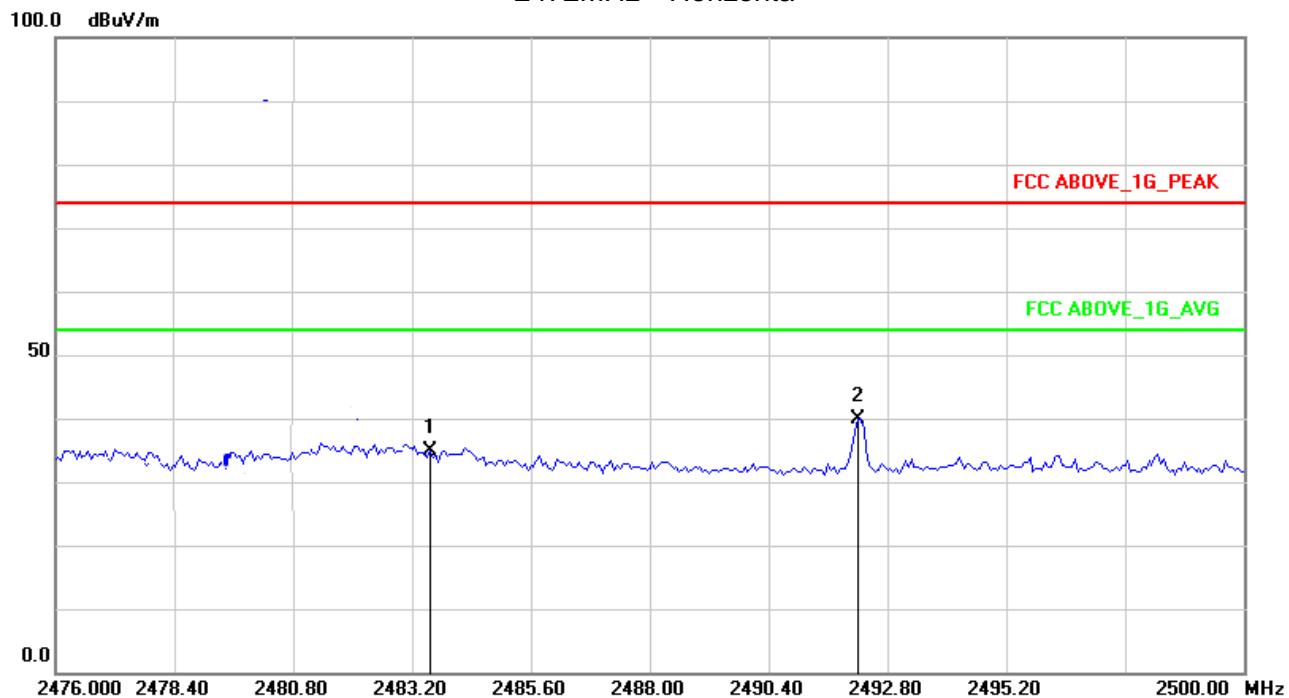


## 2448MHz Vertical

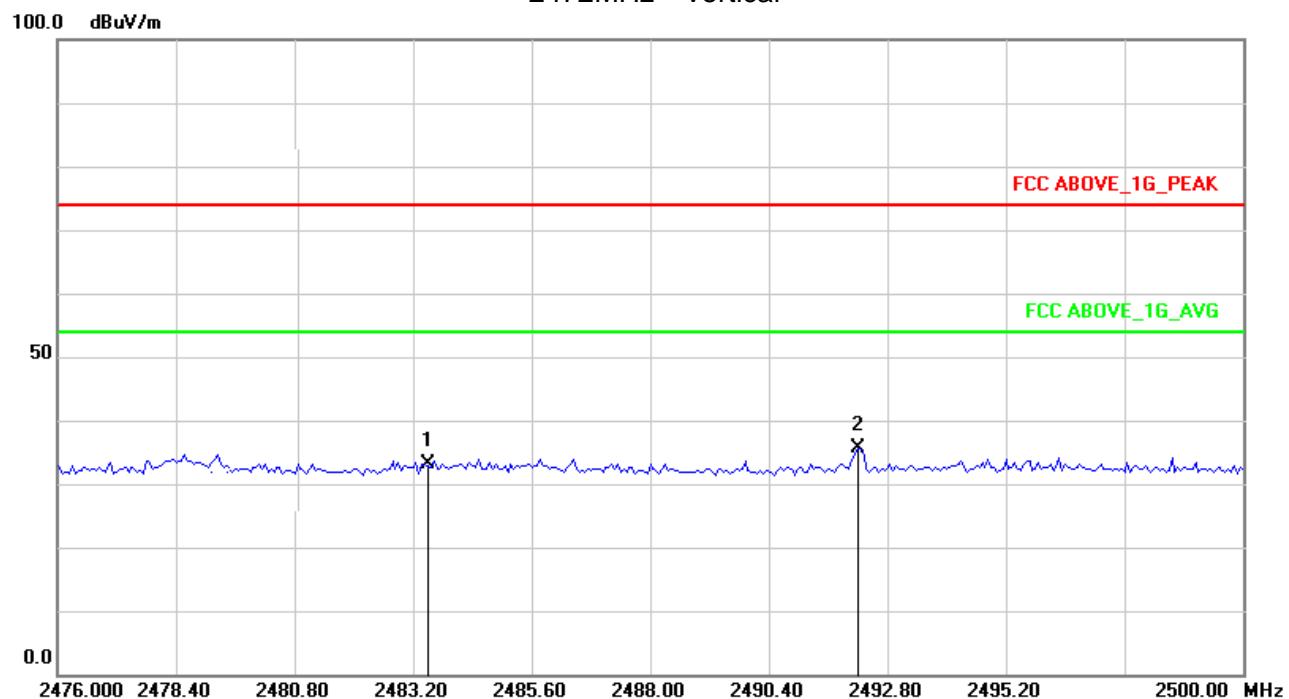




## 2472MHz Horizontal



## 2472MHz Vertical





## 6. ANTENNA REQUIREMENT

### 6.1 STANDARD REQUIREMENT

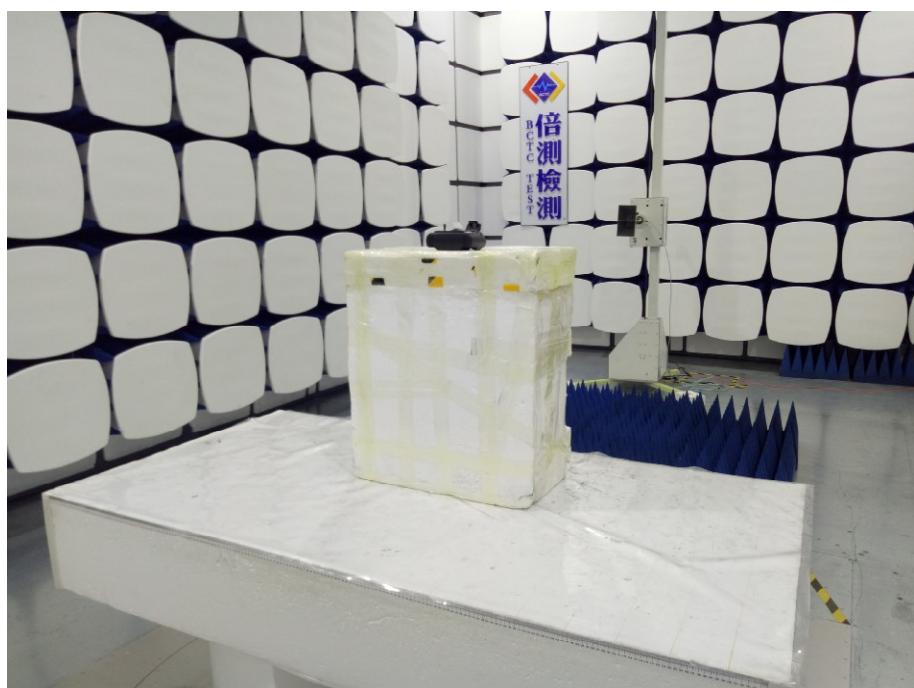
15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

### 6.2 EUT ANTENNA

The EUT antenna is Internal antenna. It complies with the standard requirement.

## 7. EUT TEST PHOTO

**Radiated Measurement Photos**



## 8. EUT PHOTO



\*\*\*\*\* END OF REPORT \*\*\*\*\*