

# Shenzhen Toby Technology Co., Ltd.

Report No.: TB-FCC161389 1 of 37 Page:

# **FCC Radio Test Report** FCC ID: 2AFFY-FT02

# **Original Grant**

: TB-FCC161389 Report No.

: Viatek Consumer Products Group, Inc. **Applicant** 

**Equipment Under Test (EUT)** 

**EUT Name** : Bluetooth FM Transmitter

Model No. FT-02

Serial Model No. : N/A

: N/A **Brand Name** 

**Receipt Date** : 2018-08-08

: 2018-08-09 to 2018-08-19 **Test Date** 

**Issue Date** 2018-08-25

: FCC Part 15, Subpart C (15.239:2017) **Standards** 

**Test Method** ANSI C63.10:2013

Conclusions **PASS** 

> In the configuration tested, the EUT complied with the standards specified above, The EUT technically complies with the FCC requirements

**Test/Witness Engineer** 

**Engineer Supervisor** 

**Engineer Manager** 

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TB-RF-074-1.0

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# **Revision History**

Report No.	Version	Description	Issued Date
TB-FCC161389	Rev.01	Initial issue of report	2018-08-25
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# 1. General Information about EUT

# 1.1 Client Information

Applicant : Viatek Consumer Products Group, Inc.		Viatek Consumer Products Group, Inc.	
Address : 6011 Century Oaks Drive Chattanooga, TN 37416 USA.		6011 Century Oaks Drive Chattanooga, TN 37416 USA.	
Manufacturer :		New Tech Development Co., Ltd.	
		3 Flr. Bldg A, JinKe Industrial Park, No.310 Wuhe Road, ShangJing Community, GuanLan Street, LongHua District, Shenzhen, China.	

# 1.2 General Description of EUT (Equipment Under Test)

EUT Name		Bluetooth FM Transmitter		
Models No.		FT-02		
Model : N/A				
mill's		Operation Frequency:	FM: 88.1-107.9 MHz	
Product		Out Power:	29.11 dBuV/m (PK Max.) 26.74 dBuV/m (AV Max.)	
Description		Antenna Gain:	Internal Antenna(0 dBi)	
1	₹	Modulation Type:	FM	
Power Rating	3	Input: DC 12V-24V. Output:5V/2.1A (Max)		
Software Version		N/A		
Hardware Version	÷	N/A		
Connecting I/O Port(S)	3	Please refer to the User's Manual		

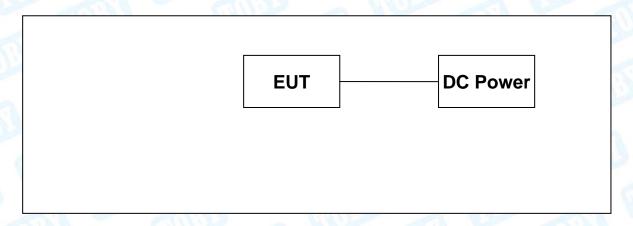
#### Note:

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



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# 1.3 Block Diagram Showing the Configuration of System Tested



# 1.4 Description of Support Units

The EUT has been tested as an independent unit.

# 1.5 Description of Test Mode

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 follow was evaluated respectively.

	Pretest Mode	
Pretest Mode	Description	
Mode 1	Continuously transmitting (88.1MHz/98.1MHz/107.9MHz)	
С	onducted Emission	
Test Mode Description		
Mode 1	Continuously transmitting (88.1MHz)	
F	Radiated Emission	
Test Mode	Description	
Mode 1	Continuously transmitting (88.1MHz/98.1MHz/107.9MHz)	



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#### Note:

(1) During the testing procedure, the continuously transmitting mode was programmed by the customer.

(2) The EUT is considered a portable unit, and it was pre-tested on the positioned of each 3 axis: X axis, Y axis and Z axis. The worst case was found positioned on Z-plane. There for only the test data of this Z-plane were used for radiated emission measurement test.

## 1.6 Description of Test 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 of transmitting mode.

1	Product SW/HW Version :	N/A
2	Radio SW/HW Version:	N/A
3	Test SW Version:	N/A
4	RF Power Setting in Test SW:	DEF

## 1.7 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 %.

Test Item	Parameters	Expanded Uncertainty (U <sub>Lab</sub> )
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	±3.42 dB ±3.42 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	±4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.40 dB
Radiated Emission	Level Accuracy: Above 1000MHz	±4.20 dB



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## 1.8 Test Facility

The testing report were performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at 1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China. At the time of testing, the following bodies accredited the Laboratory:

#### **CNAS (L5813)**

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

#### A2LA Certificate No.: 4750.01

The laboratory has been accredited by American Association for Laboratory Accreditation(A2LA) to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the technical competence in the field of Electrical Testing. And the A2LA Certificate No.: 4750.01.

### IC Registration No.: (11950A-1)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A-1.



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# 2. Test Summary

FCC Part 15 Subpart (15.239)				
Standard Section	Test Item	Judgment	Remark	
15.203	Antenna Requirement	PASS	Total Control	
15.207	Conducted Emission	PASS		
15.239 &15.209	Radiation Emission	PASS	2	
15.239	Occupied Bandwidth	PASS	COLUMN TO SERVICE AND ADDRESS OF THE PARTY O	

Note: N/A is an abbreviation for Not Applicable.



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# 3. Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
EMI Test Receiver	Rohde & Schwarz	ESCI	100321	Jul. 18, 2018	Jul. 17, 2019
RF Switching Unit	Compliance Direction Systems Inc	RSU-A4	34403	Jul. 18, 2018	Jul. 17, 2019
AMN	SCHWARZBECK	NNBL 8226-2	8226-2/164	Jul. 18, 2018	Jul. 17, 2019
LISN	Rohde & Schwarz	ENV216	101131	Jul. 18, 2018	Jul. 17, 2019
Radiation Emissior	n Test				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 18, 2018	Jul. 17, 2019
EMI Test Receiver	Rohde & Schwarz	ESPI	100010/007	Jul. 18, 2018	Jul. 17, 2019
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar.16, 2018	Mar. 15, 2019
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar.16, 2018	Mar. 15, 2019
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar.16, 2018	Mar. 15, 2019
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar.16, 2018	Mar. 15, 2019
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jul. 14, 2018	Jul. 13, 2019
Pre-amplifier	Sonoma	310N	185903	Mar.17, 2018	Mar. 16, 2019
Pre-amplifier	HP	8449B	3008A00849	Mar.17, 2018	Mar. 16, 2019
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar.17, 2018	Mar. 16, 2019
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A
Antenna Conducte	d Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	E4407B	MY45106456	Jul. 18, 2018	Jul. 17, 2019
Spectrum Analyzer	Rohde & Schwarz	ESCI	100010/007	Jul. 18, 2018	Jul. 17, 2019
MXA Signal Analyzer	Agilent	N9020A	MY49100060	Oct. 26, 2017	Oct. 25, 2018
Vector Signal Generator	Agilent	N5182A	MY50141294	Oct. 26, 2017	Oct. 25, 2018
Analog Signal Generator	Agilent	N5181A	MY50141953	Oct. 26, 2017	Oct. 25, 2018
THE REAL PROPERTY.	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Oct. 26, 2017	Oct. 25, 2018
DE Dower Saraa	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Oct. 26, 2017	Oct. 25, 2018
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Oct. 26, 2017	Oct. 25, 2018
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Oct. 26, 2017	Oct. 25, 2018



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# 4. Conducted Emission Test

### 4.1 Test Standard and Limit

4.1.1Test Standard FCC Part 15.207

#### 4.1.2 Test Limit

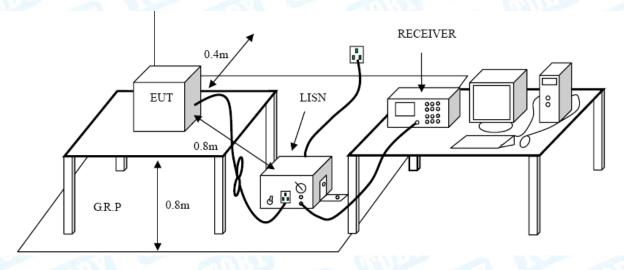
#### **Conducted Emission Test Limit**

Fraguenay	Maximum RF Line Voltage (dBμV)		
Frequency	Quasi-peak Level	Average Level	
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *	
500kHz~5MHz	56	46	
5MHz~30MHz	60	50	

#### Notes:

- (1) \*Decreasing linearly with logarithm of the frequency.
- (2) The lower limit shall apply at the transition frequencies.
- (3) The limit decrease in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### 4.2 Test Setup



#### 4.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal 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.

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.



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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 at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

#### 4.4 Test Data

Please refer to the Attachment A.



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# 5. Radiated Emission Test

## 5.1 Test Standard and Limit

5.1.1 Test Standard FCC Part 15.209 & 15.239

5.1.2 Test Limit

According to FCC 15.209 requirement:

In addition to the provisions of Section 15.209, the field strength of emissions from intentional radiators operated under this Section shall not exceed the following:

Frequency (MHz	Field Strength (microvolt/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

### Radiated Emission Limit (Above 1000MHz)

Frequency	Distance Mete	ers(at 3m)
(MHz)	Peak	Average
Above 1000	74	54

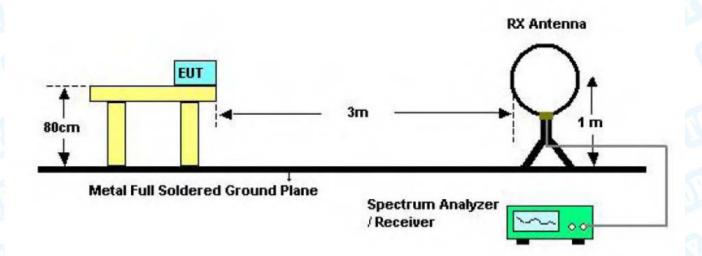
#### Note

- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level (uV/m)

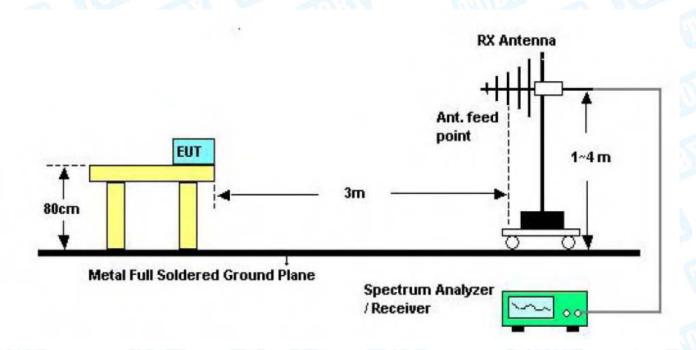


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# 5.2 Test Setup



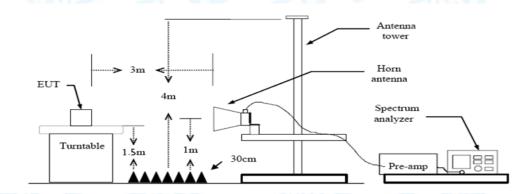
Bellow 30MHz Test Setup



Bellow 1000MHz Test Setup



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Above 1GHz Test Setup

## 5.3 Test Procedure

- (1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.
- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) 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.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

# 5.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 5.5 Test Data

Please refer to the Attachment B.



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# 6. Fundamental and Band Edge Test

### 6.1 Test Standard and Limit

6.1.1 Test Standard FCC Part 15.209 & 15.239

6.1.2 Test Limit

According to FCC 15.239(a)(b) and 15.209 requirement:

The field strength of emissions from the intentional radiators operated under these frequency bands shall not exceed the following:

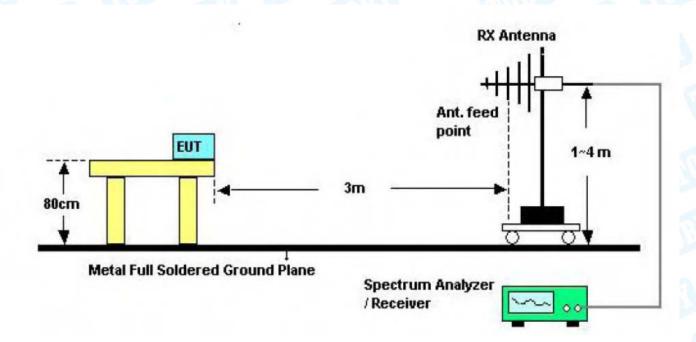
Fundamental Frequency (MHz)	Field Strength of Fundamental (dBuV/m)			
00 to 100	Peak	Average		
88 to 108	67.96	47.96		

According to FCC 15.239(c) and 15.209 requirements:

Field strength of outside of the frequency bands limit show in below table.

Outside Frequency Band Edge	Distance Meters(at 3m)
Below 88 MHz	40.0 (QP)
Above 108 MHz	43.5 (QP)

# 6.2 Test Setup





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#### 6.3 Test Procedure

(1) The measuring distance of 3m shall be used for measurements at frequency up to 1GHz. The EUT was placed on a rotating 0.8m high above the ground, the table was rotated 360 degrees to determine the position of the highest radiation.

- (2) Measurements at frequency above 1GHz. The EUT was placed on a rotating 1.5m high above the ground. RF absorbers covered the ground plane with a minimum area of 3.0m by 3.0m between the EUT and measurement receiver antenna. The RF absorber shall not exceed 30cm in high above the conducting floor. The table was rotated 360 degrees to determine the position of the highest radiation.
- (3) The Test antenna shall vary between 1m and 4m, Both Horizontal and Vertical antenna are set to make measurement.
- (4) 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.
- (5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit Bellow 1 GHz, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed. But the Peak Value and average value both need to comply with applicable limit above 1 GHz.
- (6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
- (7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
- (8) For the actual test configuration, please see the test setup photo.

# 6.4 EUT Operating Condition

The Equipment Under Test was set to Continual Transmitting in maximum power.

#### 6.5 Test Data

Please refer to the Attachment C.



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# 7. Bandwidth

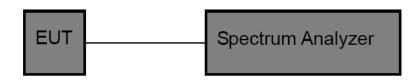
#### 7.1 Test Standard and Limit

7.1.1 Test Standard FCC Part 15.239

#### 7.1.2 Test Limit

Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108 MHz.

## 7.2 Test Setup



### 7.3 Test Procedure

- (1) Set Spectrum Analyzer Center Frequency= Fundamental Frequency, RBW=3 kHz, VBW= 10 kHz, Span= 300 kHz.
- (2) Measured the spectrum width with power higher than 20 dB below carrier.

# 7.4 EUT Operating Condition

The Equipment Under Test was Programmed to be in continuously transmitting mode.

#### 7.5 Test Data

Please refer to the Attachment D.



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# 8. Antenna Requirement

## 8.1 Standard Requirement

8.1.1 Standard FCC Part 15.203

### 8.1.2 Requirement

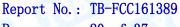
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### 8.2 Antenna Connected Construction

The gains of the antenna used for transmitting is 0 dBi, and the antenna connector is de-signed with permanent attachment and no consideration of replacement. Please see the EUT photo for details.

The EUT antenna is a Integral Antenna. It complies with the standard requirement.

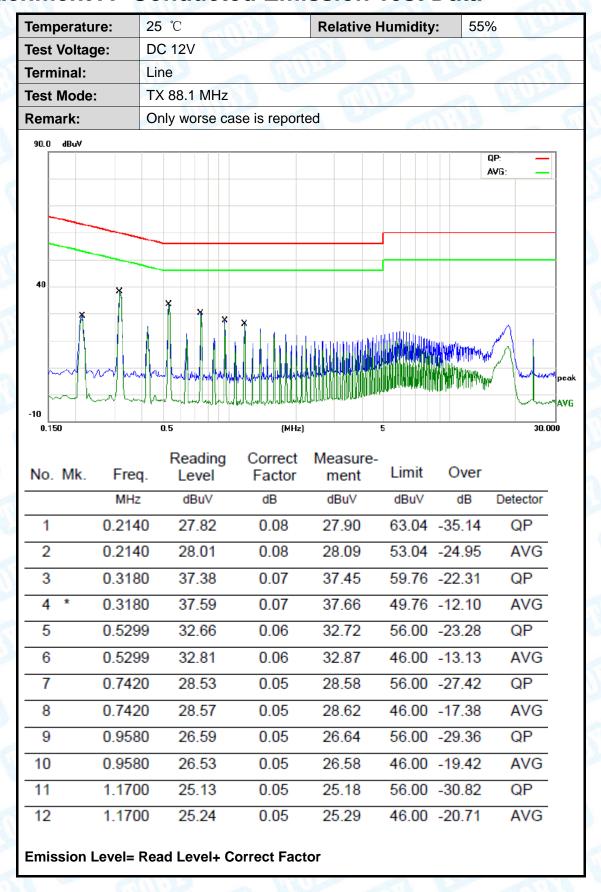
	Antenna Type				
MOP .	▶ Permanent attached antenna				
$g_{\psi}$	□ Unique connector antenna				
OTO .	☐ Professional installation antenna				





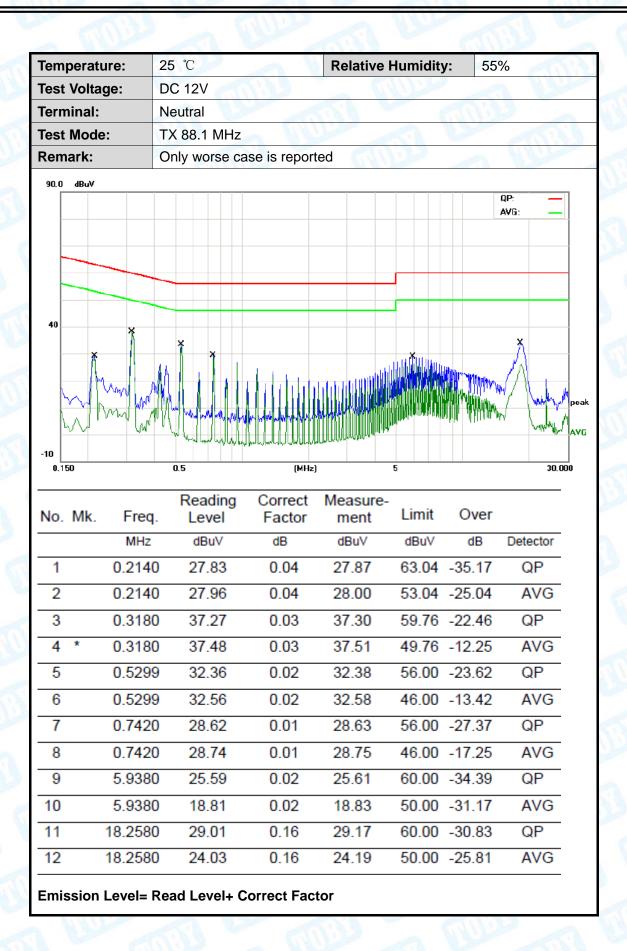
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# **Attachment A--Conducted Emission Test Data**



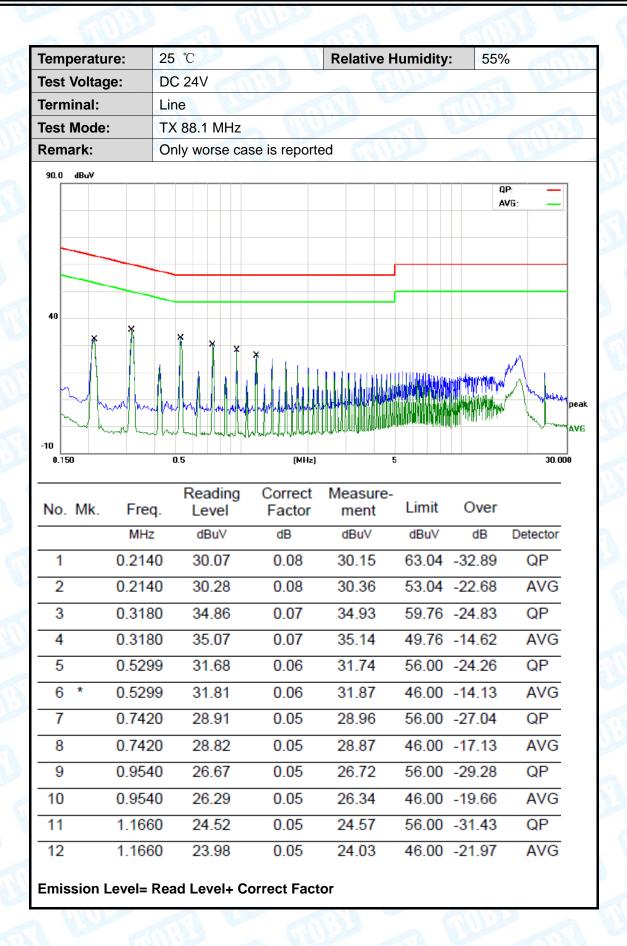


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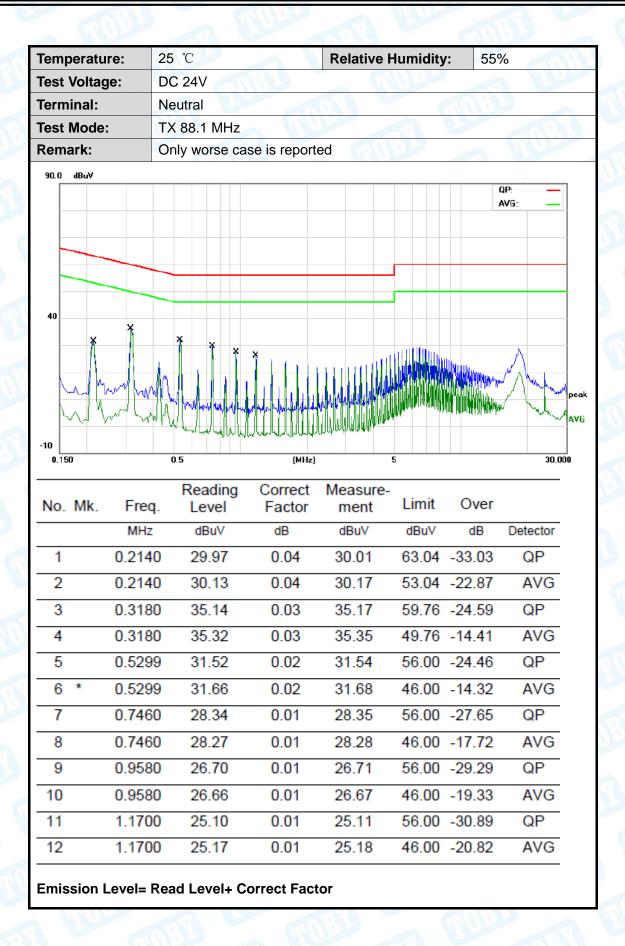


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# **Attachment B-- Radiated Emission Test Data**

### 9 KHz~30 MHz

From 9 KHz to 30 MHz: Conclusion: PASS

Note: The amplitude of spurious emissions which are attenuated by more than 20dB

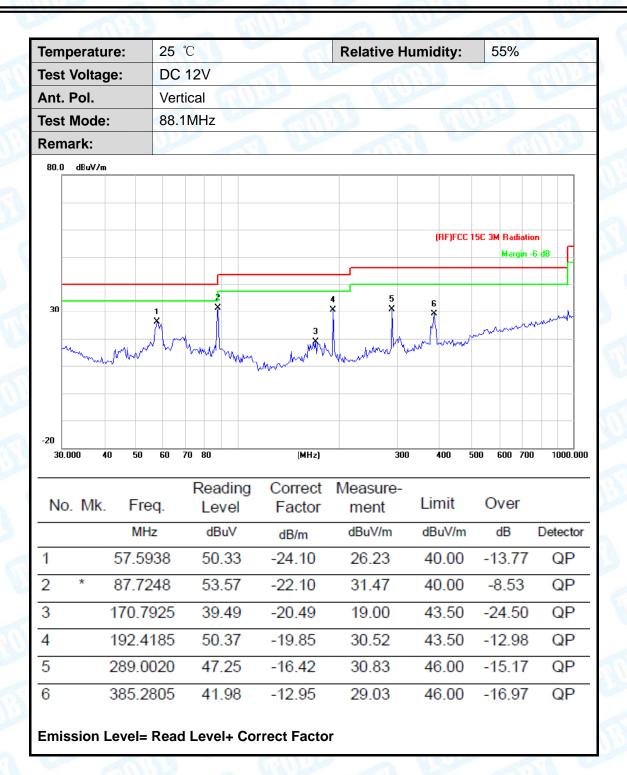
Below the permissible value has no need to be reported.

### 30MHz~1GHz

Ten	nperature:	25 °C	0	GHILL	Relative I	Humidity:	55%	
Tes	t Voltage:	DC 1	12V		CALL PARTY		DAIL.	
Ant	. Pol.	Horiz	zontal		The same	Com.	1	
Tes	est Mode: 88.1MHz				Millian		163	
Rer	mark:				MBS.	_ 6	110.0	
80.0	) dBuV/m							
-20	0.000 40 50		VV.	7 MM / 10 M		5 *	C 3M Radiatio Margin -(	6 dB
30	J.UUU 4U 3U	60 70		(MHz)	300	400 30	IU 600 700	1000.00
N	o. Mk. Fre	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
	MH		dBuV	dB/m	dBuV/m	dBuV/m	dB	Detecto
1	55.60	094	41.19	-23.87	17.32	40.00	-22.68	QP
2	* 87.72		47.67	-22.10	25.57	40.00	-14.43	QP
3	176.8		40.94	-20.27	20.67	43.50	-22.83	QP
	301.4		38.60	-16.16	22.44	46.00	-23.56	QP
4	482.2		40.31	-11.10	29.21	46.00	-16.79	QP
4	402.2	100	40.01	-11.10			-19.19	
4 5 6	851.0	252	32.29	-5.48	26.81	46.00	40 40	QP

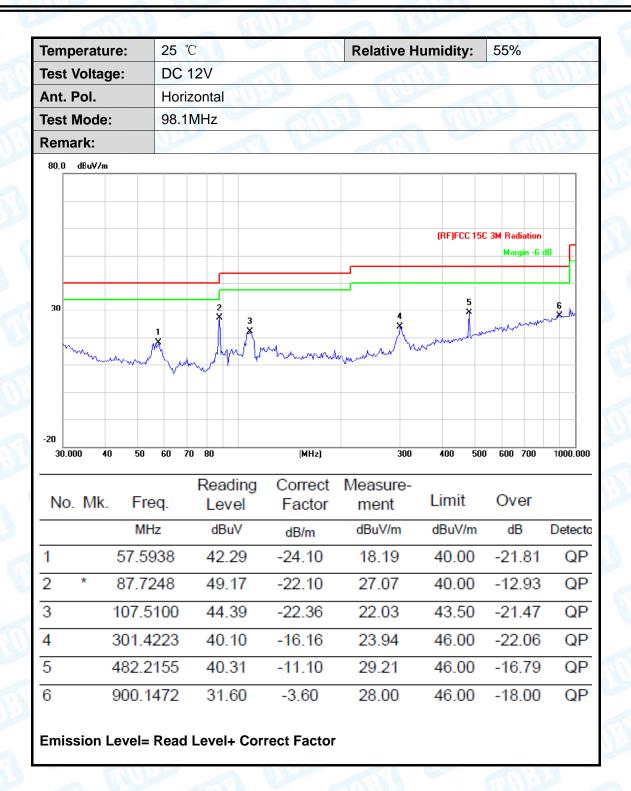


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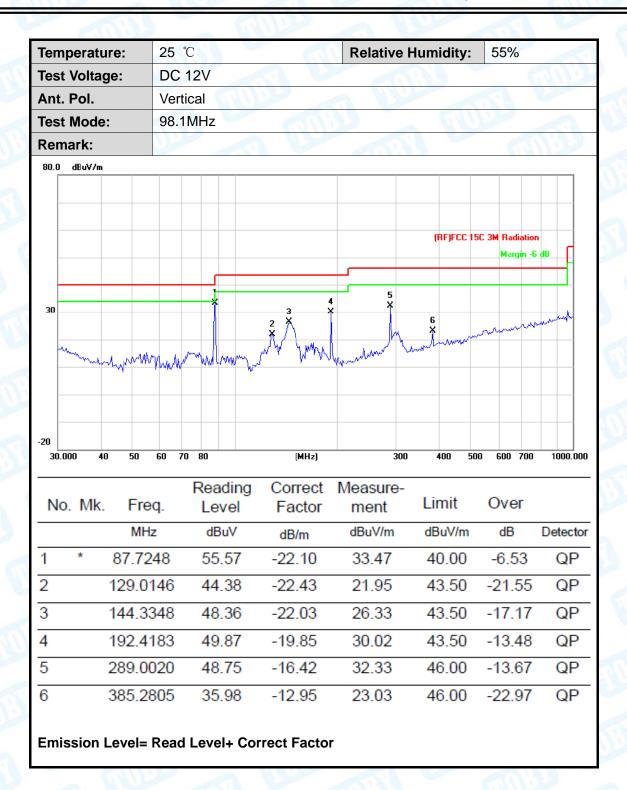


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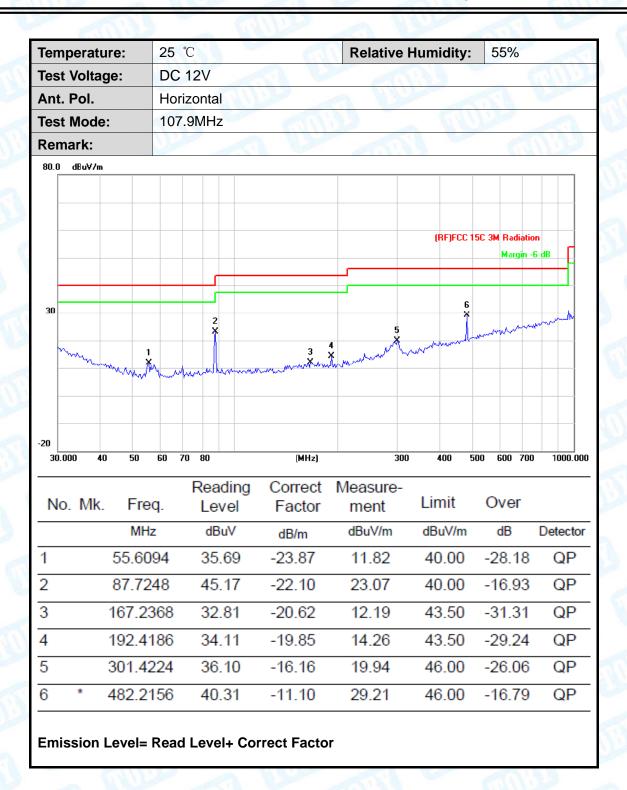


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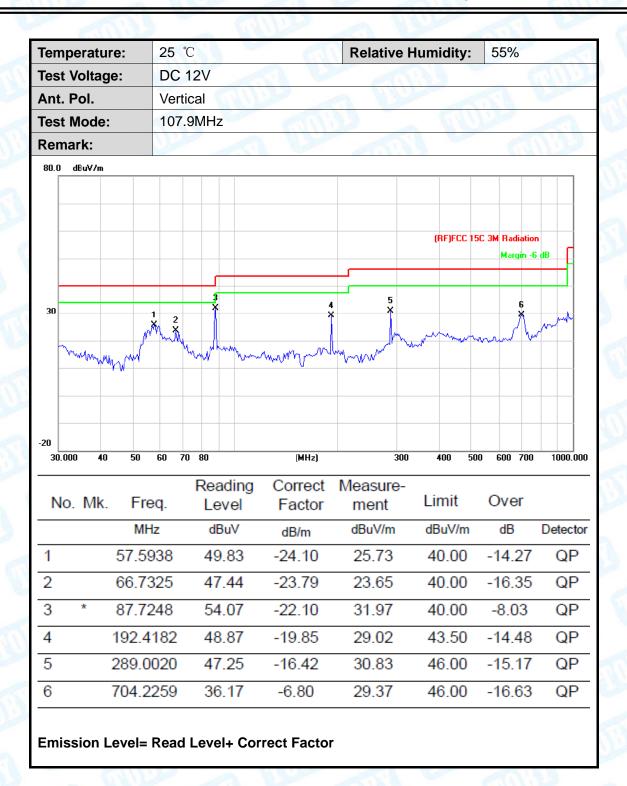


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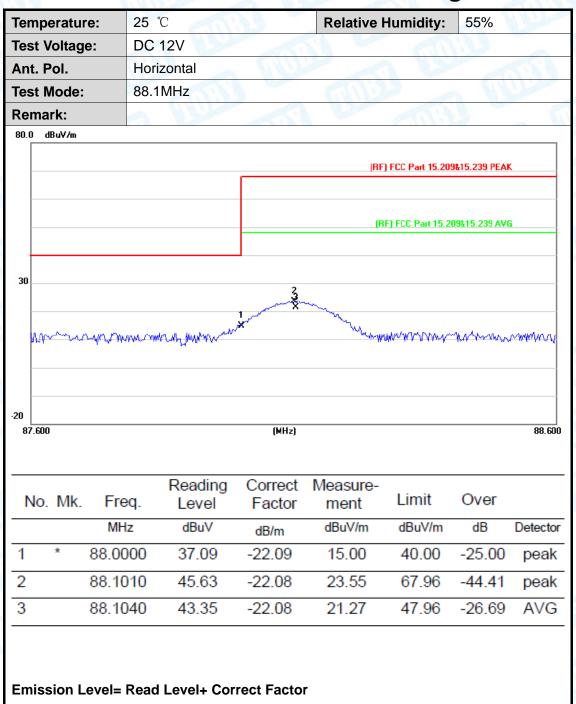


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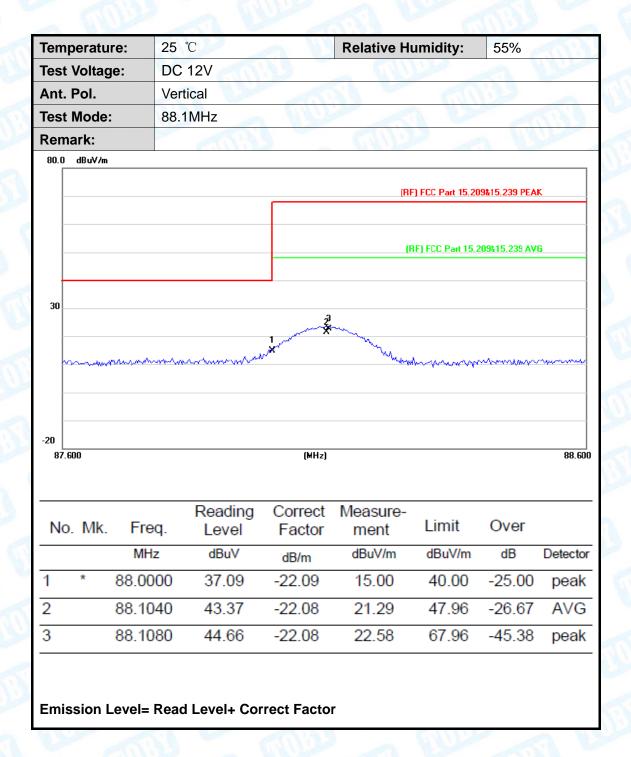


**Attachment C--Fundamental and Band Edge Test Data** 





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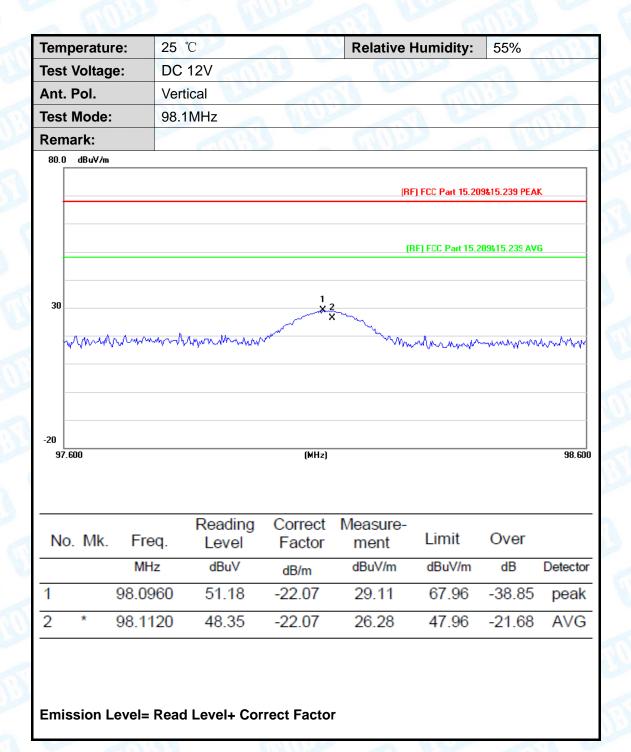
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emperatur	<b>e</b> : 25	C		Relative F	iumanty:	55%	
est Voltage	e: DC	12V	129	2 247		- N	J. W. P.
nt. Pol.	Hori	zontal		80	The state of	130	
est Mode:	t Mode: 98.1MHz						
Remark:		ATTA!		CHILD.		A WY	A STATE OF THE PARTY OF THE PAR
80.0 dBuV/m							
				[RF]	FCC Part 15.209	9&15.239 PEAK	
				(RF	F) FCC Part 15.2	09&15.239 AVG	i
30			<u>, , , , , , , , , , , , , , , , , , , </u>	~~			
			Name of the last o	- Mary			
MaNA-IWAM	40 <sup>0</sup> /40040,7504 <u>0004</u> 00	and war and the	N. C.	My John James Comment	10 1 Mary Angel	Madh white	MAN
MARATH	4~swypAhma	Manny	N	May May My	Mymmanym	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	HALLANNY
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	an and an and an	MANAMAN		M My Market	Mymrown	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Jahr Mary
^√√√√√√ 20 97.600	4/^/www.	angeron a Metal	(MHz)	A Market Market	Wymra-vn	-andr-ma-hall	98.60
20	Ay American	ayuna Ayta	(MHz)	The state of the s	WYMVV <sup>~</sup> VW	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	98.60
20	4/~{mmm,r~Mmmr	anguma Agara	(MHz)	The state of the s	WYMW^~VW	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	98.60
97.600		Mum. Mim	(MHz)	Measure-	Wymru Awryn		98.60
20	«∆γω <sub>γγ</sub> νλ <sub>ων</sub> Freq.			Measure- ment	₩ <sub>Y</sub> ₩₩ <sup>A</sup> Y₩ Limit	~~~√w Over	98.60
20 97.600		Reading	Correct		₩ <sub>γ</sub> ₩νν <sup>Δ∞</sup> γνν Limit dBuV/m	Over dB	98.60
20 97.600	Freq.	Reading Level	Correct Factor	ment			
97.600 No. Mk.	Freq.	Reading Level dBuV	Correct Factor	ment dBuV/m	dBuV/m	dB	Detecto
20 97.600 No. Mk.	Freq. MHz 98.1120	Reading Level dBuV 49.92	Correct Factor dB/m -22.07	ment dBuV/m 27.85	dBuV/m 67.96	dB -40.11	Detecto

Emission Level= Read Level+ Correct Factor

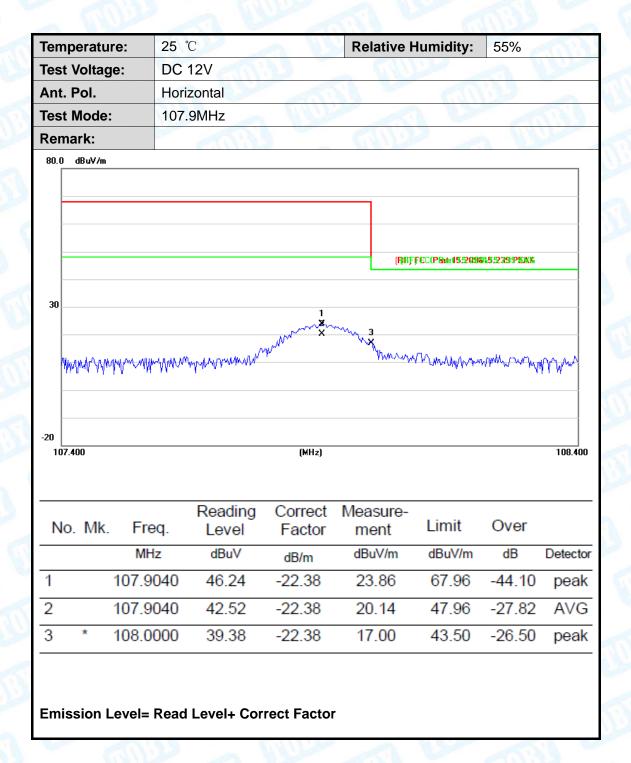


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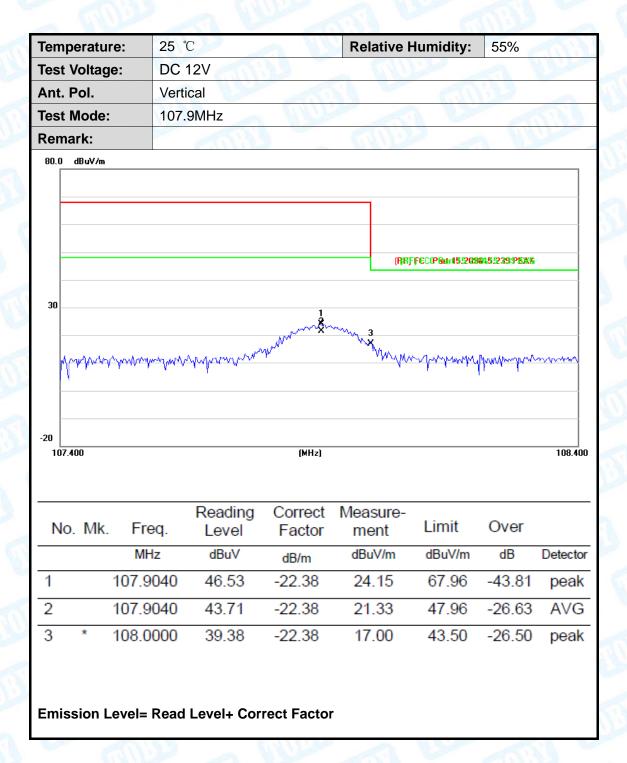


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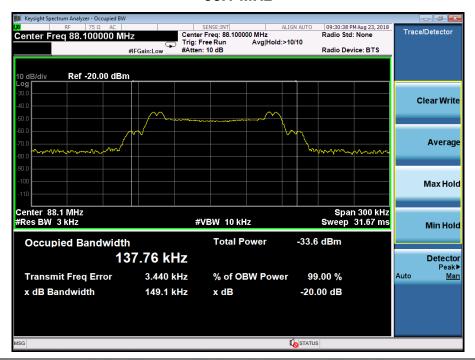


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# **Attachment D-- Bandwidth Data**

Frequency (MHz)	20 dB Bandwidth (kHz)	Limits (kHz)	Result
88.1	149.1		PASS
98.1	148.1	200	PASS
107.9	148.7		PASS

#### 88.1 MHz





98.1 MHz SENSE:INT ALIGN AUTO
Center Freq: 98.100000 MHz
Trig: Free Run Avg|Hold:>10/10
#Atten: 10 dB 09:33:22 PM Aug 23, 2018 Radio Std: None Center Freq 98.100000 MHz Radio Device: BTS Ref -20.00 dBm Clear Write Average Max Hold Center 98.1 MHz #Res BW 3 kHz Span 300 kHz Sweep 31.67 ms #VBW 10 kHz Min Hold **Total Power Occupied Bandwidth** -28.6 dBm 138.14 kHz Detector 4.064 kHz **Transmit Freq Error** % of OBW Power 99.00 % Auto 148.1 kHz x dB Bandwidth -20.00 dB 107.9 MHz 09:27:08 PM Aug 23, 2018 Radio Std: None SENSE:INT ALIGN AUTO
Center Freq: 107.900000 MHz
Trig: Free Run Avg|Hold:>10/10
#Atten: 10 dB Trace/Detector Radio Device: BTS Ref -20.00 dBm Clear Write Average Max Hold Center 107.9 MHz #Res BW 3 kHz Span 300 kHz Sweep 31.67 ms #VBW 10 kHz Min Hold **Occupied Bandwidth** Total Power -36.3 dBm 137.73 kHz Detector Peak▶ <u>Man</u> Transmit Freq Error 4.385 kHz % of OBW Power 99.00 % 148.7 kHz -20.00 dB x dB Bandwidth x dB

#### ----END OF REPORT----