

Shenzhen Toby Technology Co., Ltd.



Report No.: TBR-C-202502-0188-12

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FCC Radio Test Report FCC ID:2AHAS-BT82D

Report No. TBR-C-202502-0188-12

Applicant JEM ACCESSORIES, INC

Equipment Under Test (EUT)

Bluetooth FM Transmitter **EUT Name**

Model No. BT82D

Series Model No. BT82DF, AHF9-1010-BLK, MCC9-1032-BLK

Brand Name ArmorAll & Monster

Sample ID HC-C-202502-0188-01-01&HC-C-202502-0188-02-01

Receipt Date 2025-03-05

: 2025-03-05 to 2025-03-11 **Test Date**

Issue Date 2025-03-11

Standards FCC Part 15, Subpart C 15.239

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

Gold. zhang **Test By** Gold Zhang

Reviewed By WAN ST

Approved By

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
TBR-C-202502-0188-12	Rev.01	Initial issue of report	2025-03-11
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1. General Information about EUT

1.1 Client Information

Applicant	:	JEM ACCESSORIES, INC
Address	:	32 Brunswick Avenue Edison New Jersey United States 08817
Manufacturer		JEM ACCESSORIES, INC
Address	:	32 Brunswick Avenue Edison New Jersey United States 08817

1.2 General Description of EUT (Equipment Under Test)

EUT Name		Bluetooth FM Transmitter		
Models No.		BT82D, BT82DF, AHF9-1010-BLK, MCC9-1032-BLK		
Model Difference	:		entical on the same PCB, layout and circuit, the el name and appearance size color.	
The same		Operation Frequency:	FM: 88.1-107.9 MHz	
Product Description : Number of Channel: Antenna Gain:	Number of Channel:	199(Channel spacing 100KHz)		
	Antenna Gain:	0dBi Spring Antenna		
		Modulation Type:	FM	
Power Rating		Input: DC 12V/24V USB A1 Output: DC 5V/2. USB A2 Output: DC 5V/1A		
Software Version		Master:AC6956C4;CPU:C	PFN32	
Hardware Version	1	: BT82D_6956_8027_V1.0 : Please refer to the User's Manual		
Connecting I/O Port(S)	1			

Note:

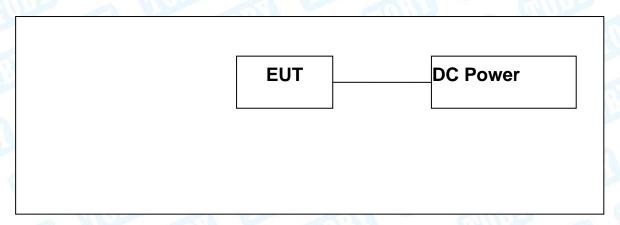
(1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.





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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
Mode 1	(88.1MHz/98.1MHz/107.9MHz)
	Radiated Emission
Test Mode	Description
Mode 1	Continuously transmitting
Mode 1	(88.1MHz/98.1MHz/107.9MHz)
	ain provided by the applicant, the verified for the RF ded by TOBY test lab.





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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.

11000	Product SW/HW Version :	N/A
2	Radio SW/HW Version:	N/A
3	Test SW Version:	N/A
	Dis Transport	Adjust and control the corresponding transmission
4	RF Power Setting in Test SW:	frequency through the EUT
		entity key.

1.7 Measurement Uncertainty

The reported uncertainty of measurement $y \pm U_{\tau}$ 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 _{Lab})
Conducted Emission	Level Accuracy: 9kHz~150kHz 150kHz to 30MHz	\pm 3.50 dB \pm 3.10 dB
Radiated Emission	Level Accuracy: 9kHz to 30 MHz	\pm 4.60 dB
Radiated Emission	Level Accuracy: 30MHz to 1000 MHz	±4.50 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 1/F., Building 6, Rundongsheng Industrial Zone, Longzhu, Xixiang, Bao'an District, 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: 2017 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: 2017 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.FCC Accredited Test Site Number: 854351. Designation Number: CN1223.

IC Registration No.: (11950A)

The Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing. The site registration: Site# 11950A. CAB identifier: CN0056.





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2. Test Summary

	FCC Part	15 Subpart (15.239)		
Standard Section	Test Item	Test Sample(s)	Judgment	Remark
15.203	Antenna Requirement	HC-C-202502-0188-01-01	PASS	N/A
15.207	Conducted Emission	N/A	N/A	N/A
15.239 &15.209	Radiation Emission	HC-C-202502-0188-02-01	PASS	N/A
15.239	Occupied Bandwidth	HC-C-202502-0188-01-01	PASS	N/A

Note: (1)N/A is an abbreviation for Not Applicable.

(2) The EUT is powered by DC battery, no requirement for this test item.

3. Test Software

Test Item	Test Software	Manufacturer	Version No.
Conducted Emission	EZ-EMC	EZ	CDI-03A2
Radiation Emission	EZ-EMC	EZ	FA-03A2RE
RF Conducted Measurement	MTS-8310	MWRFtest	V2.0.0.0





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4. Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Agilent	N9020A	MY49100060	Aug. 29, 2024	Aug. 28, 2025
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 17, 2024	Jun. 16, 2025
EMI Test Receiver	Rohde & Schwarz	ESU-8	100472/008	Feb. 20, 2025	Feb.19, 2026
Bilog Antenna	SCHWARZBECK	VULB 9168	1225	Nov. 13, 2023	Nov. 12, 2025
Horn Antenna	SCHWARZBECK	BBHA 9120 D	2463	Jun. 14, 2024	Jun. 13, 2026
Horn Antenna	SCHWARZBECK	BBHA 9170	1118	Feb. 27, 2024	Feb.26, 2026
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-059	Jun. 14, 2024	Jun. 13, 2026
HF Amplifier	Tonscend	TAP9E6343	AP21C806117	Aug. 29, 2024	Aug. 28, 2025
HF Amplifier	Tonscend	TAP051845	AP21C806141	Aug. 29, 2024	Aug. 28, 2025
HF Amplifier	Tonscend	TAP0184050	AP21C806129	Aug. 29, 2024	Aug. 28, 2025
Highpass Filter	CD	HPM-6.4/18G		N/A	N/A
Highpass Filter	CD	HPM-2.8/18G	-011	N/A	N/A
Highpass Filter	XINBO	XBLBQ-HTA67(8-25G)	22052702-1	N/A	N/A
Antenna Condi	ucted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date
Spectrum Analyzer	Rohde & Schwarz	FSV40-N	102197	Jun. 17, 2024	Jun. 16, 2025
MXA Signal Analyzer	KEYSIGHT	N9020B	MY60110172	Aug. 29, 2024	Aug. 28, 2025
MXA Signal Analyzer	Agilent	N9020A	MY47380425	Aug. 29, 2024	Aug. 28, 2025
U. A.	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO26	Aug. 29, 2024	Aug. 28, 2025
n=n (110)33	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO29	Aug. 29, 2024	Aug. 28, 2025
RF Power Sensor	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO31	Aug. 29, 2024	Aug. 28, 2025
	DARE!! Instruments	RadiPowerRPR3006W	17I00015SNO33	Aug. 29, 2024	Aug. 28, 2025
Temperature and Humidity Chamber	ZhengHang	ZH-QTH-1500	ZH2107264	Jun. 17, 2024	Jun. 16, 2025





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5. Conducted Emission Test

5.1 Test Standard and Limit

5.1.1Test Standard FCC Part 15.207

5.1.2 Test Limit

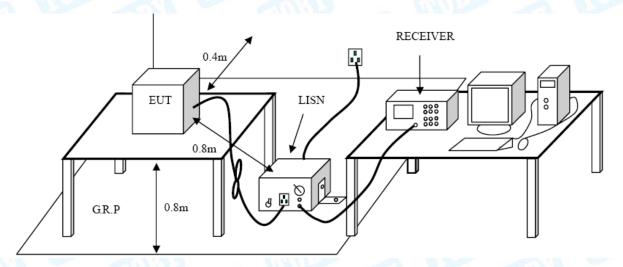
Conducted Emission Test Limit

West of the	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.

5.2 Test Setup







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5.3 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.

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.

5.4 Deviation From Test Standard

No deviation

5.5 Test Data

Not applicable.





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6. Radiated Emission 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 15.209 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 Meters(at 3m)			
(MHz)	Peak	Average		
Above 1000	74	54		

Note:

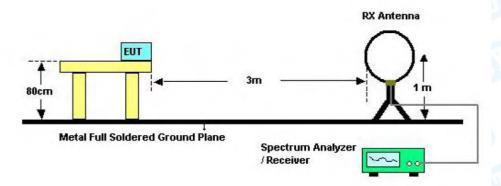
- (1) The tighter limit applies at the band edges.
- (2) Emission Level (dBuV/m)=20log Emission Level (uV/m)



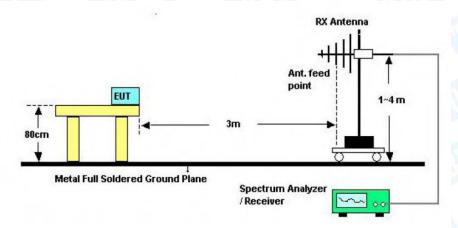


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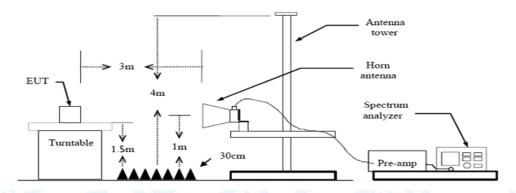
6.2 Test Setup



Below 30MHz Test Setup



Below 1000MHz Test Setup



Above 1GHz 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 Deviation From Test Standard
 - No deviation

6.6 Test Data

Please refer to the Attachment A.





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7. Fundamental and Band Edge Test

7.1 Test Standard and Limit

7.1.1 Test Standard

FCC Part 15.209 & 15.239

7.1.2 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.

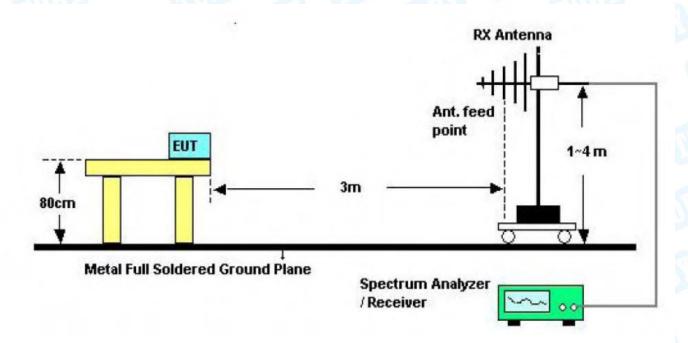
Outside Frequency Band Edge	Distance Meters(at 3m)
Below 88 MHz	40.0 (QP)
Above 108 MHz	43.5 (QP)





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7.2 Test Setup



7.3 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.





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(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.

7.4 EUT Operating Condition

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

7.5 Deviation From Test Standard

No deviation

7.6 Test Data

Please refer to the Attachment B.





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8. Bandwidth

8.1 Test Standard and Limit

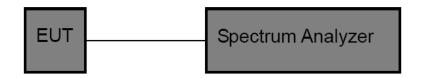
8.1.1 Test Standard

FCC Part 15.239

8.1.2 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.

8.2 Test Setup



8.3 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.

8.4 EUT Operating Condition

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

8.5 Deviation From Test Standard

No deviation

8.6 Test Data

Please refer to the Attachment C.





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9. Antenna Requirement

9.1 Standard Requirement

9.1.1 Standard

FCC Part 15.203

9.1.2 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.

9.2 Antenna Connected Construction

The gains of the antenna used for transmitting is 0dBi, 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 Spring Antenna. It complies with the standard requirement.

Antenna Type	
▶ Permanent attached antenna	
□ Unique connector antenna	0033
□ Professional installation a	ntenna





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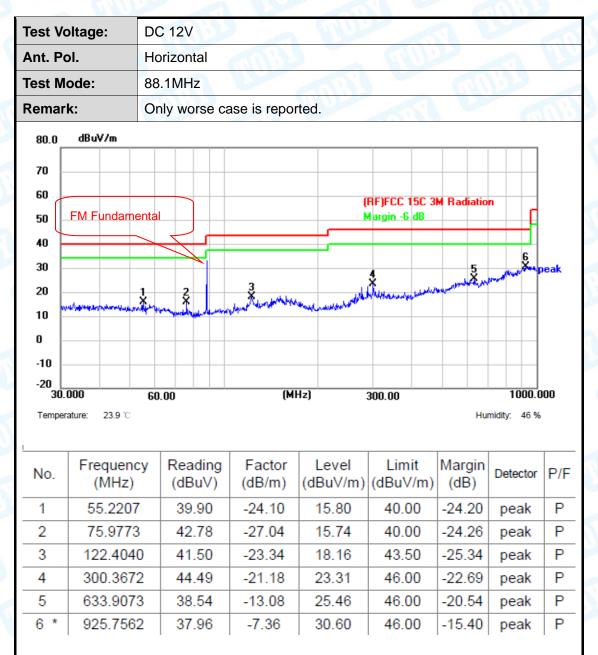
Attachment A-- Radiated Emission Test Data

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



Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. QuasiPeak (dBµV/m)= Corr. (dB/m)+ Read Level (dBµV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Test Voltage:	DC 12V
Ant. Pol.	Vertical
Test Mode:	88.1MHz
Remark:	Only worse case is reported.
80.0 dBuV	/m
70	
60	(RF)FCC 15C 3M Radiation
50	Margin -6 dB
40 FM Fun	ndamental
30	6 peak
20	2 3 4 5 5 mm back many many many many many many many many
10	directory and the state of the

-20					
30.000	60.00	(MHz)	300.00		1000.000
Temperature:	23.9 ℃			Humidity:	46 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	50.4090	40.14	-24.68	15.46	40.00	-24.54	peak	Р
2	75.9773	43.09	-27.04	16.05	40.00	-23.95	peak	Р
3	107.8877	43.01	-24.55	18.46	43.50	-25.04	peak	Р
4	148.4410	39.07	-21.07	18.00	43.50	-25.50	peak	Р
5	319.9370	39.36	-20.18	19.18	46.00	-26.82	peak	Р
6 *	618.5368	40.17	-13.79	26.38	46.00	-19.62	peak	Р

Remark:

-10

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Test Voltage:	DC 12V							
Ant. Pol.	Horizontal	izontal						
Test Mode:	98.1MHz		100	1				
Remark:	Only worse case is	reported.	Aline,					
80.0 dBuV/m								
70 60 50 FM Fundar 40 30 20 10	mental 2 3	Live and the special and the s	(RF)FCC 15C 3M Radiat	5 6				
-10 -20 30.000 Temperature: 23.9	60.00	(MHz)	300.00	1000.000 Humidity: 46 %				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	56.7917	40.24	-24.28	15.96	40.00	-24.04	peak	Р
2	110.1816	49.36	-24.82	24.54	43.50	-18.96	peak	Р
3	122.8340	41.95	-23.44	18.51	43.50	-24.99	peak	Р
4	300.3672	44.43	-21.18	23.25	46.00	-22.75	peak	Р
5	689.5644	40.58	-14.05	26.53	46.00	-19.47	peak	Р
6 *	925.7562	37.84	-7.36	30.48	46.00	-15.52	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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Test V	/oltage:	DC 12V			CALL STATE				
Ant. P	ol.	Vertical	al						
Test N	/lode:	98.1MHz	lHz						
Rema	rk:	Only worse c	worse case is reported.						
80.0	dBuV/m								
70									
60				(RF)FCC 15C 3	M Badiation				
50	EM Fundame			Margin -6 dB					
40	FM Fundame	intal			5 <u>6</u>				
30			2	3 4	5 × peak				
20	manipul and a facility of	<u> </u>	*	War and the same of the same o	of programme				
10	ماخشان بيري مورسرون	And the second of the second o	My alle a	hillure -					
0									
-10 -20									
).000	60.00	(MHz)	300.00	1000.000				
Tempe	erature: 23.9 °C				Humidity: 46 %				

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	93.1131	45.54	-26.43	19.11	43.50	-24.39	peak	Р
2	110.1816	45.22	-24.82	20.40	43.50	-23.10	peak	Р
3	237.4760	44.90	-24.00	20.90	46.00	-25.10	peak	Р
4	429.5228	45.78	-17.76	28.02	46.00	-17.98	peak	Р
5	522.7180	46.86	-16.17	30.69	46.00	-15.31	peak	Р
6 *	830.4001	43.04	-9.63	33.41	46.00	-12.59	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)





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est Voltage:	DC 12V		
nt. Pol.	Horizontal		
est Mode:	107.9MHz		
lemark:	Only worse case is reported		
80.0 dBuV/m			
70 60 50 FM Fundame	ental	(RF)FCC 15C 3M Radia Margin -6 dB	ation
40			6
20 10	2 3	annews probably the house of the second	5 X
0			
-10			
-20 30.000 Temperature: 23.9 °C	60.00 (MHz)	300.00	1000.000 Humidity: 46 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1	57.3922	40.10	-24.16	15.94	40.00	-24.06	peak	Р
2	122.8340	41.75	-23.44	18.31	43.50	-25.19	peak	Р
3	160.9090	39.75	-21.64	18.11	43.50	-25.39	peak	Р
4	300.3672	43.41	-21.18	22.23	46.00	-23.77	peak	Р
5	640.6110	40.23	-14.51	25.72	46.00	-20.28	peak	Р
6 *	948.7610	38.29	-7.36	30.93	46.00	-15.07	peak	Р

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dBμV/m)-Limit QPK(dBμV/m)





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I GOL V	oltage:	DC 12V				AMO		
Ant. P	ol.	Vertical						
Test M	lode:	107.9MHz	NO.				3	
Remai	rk:	Only worse	case is repo	rted.		No.		
80.0	dBuV/m							
70								
60								
50					(RF)FCC 15C : Margin -6 dB	3M Radiati	on [
	FM Fundame	ental						
40							6	peak
30				2	3	5 S	Children and a second	peak
20		X	- Mary Mary Melipus	2 X	الخواليس وعباله والمالية	hough .		1
E.P.	Aller March College Co		The state of the s	Marie Lancia Maria				l
10	مالايدونا أأمام والمعارية والمعارض والم	The territory	Mary Control of the C	AND SHAPPING TO SH				
10	vilacephilin and the Participant Angles (Angles	and the second of the second	Harry	AN OWNER TO A TOWN AND AND A TOWN				
10	vilan gill i vila gila (i vilan gila gila (i vila	enter the first the second section	And the second second	Market Stranger (Advanced				
0		60.00	Marie Carlo	- WALPAULTY	300.00		1000.	000
0 -10 -20	000		Marie Carlo	- WALPAULTY	300.00	н	1000. umidity: 46 %	
-10 -20 30.0	000	60.00	g Factor	Hz)	300.00 Limit (dBuV/m)	Margin (dB)		%
-10 -20 30.0	ooo ature: 23.9 °C	60.00 Ey Reading (dBuV)	g Factor	Hz)	Limit	Margin	umidity: 46 9	%
-10 -20 -20 Tempera	Frequence (MHz)	60.00 Ey Reading (dBuV) 40.71	g Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	umidity: 46 9	P/F
0 -10 -20 30.0 Tempera	Frequence (MHz)	60.00 Reading (dBuV) 40.71 43.12	g Factor (dB/m) -25.44	Level (dBuV/m) 15.27	Limit (dBuV/m) 40.00	Margin (dB) -24.73	Detector peak	P/F
10 0 -10 -20 30.0 Tempera	Frequence (MHz) 66.4990 238.310	60.00 Reading (dBuV) 40.71 43.12 41.86	g Factor (dB/m) -25.44 -23.97	Level (dBuV/m) 15.27 19.15	Limit (dBuV/m) 40.00 46.00	Margin (dB) -24.73 -26.85	Detector peak peak	P/F P
10 0 -10 -20 30.0 Tempera	Frequence (MHz) 66.4990 238.310	60.00 Ey Reading (dBuV) 40.71 1 43.12 2 41.86 1 44.08	g Factor (dB/m) -25.44 -23.97 -17.97	Level (dBuV/m) 15.27 19.15 23.89	Limit (dBuV/m) 40.00 46.00 46.00	Margin (dB) -24.73 -26.85 -22.11	Detector peak peak peak	P/F P P

Remark:

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 QuasiPeak (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = QuasiPeak (dB μ V/m)-Limit QPK(dB μ V/m)



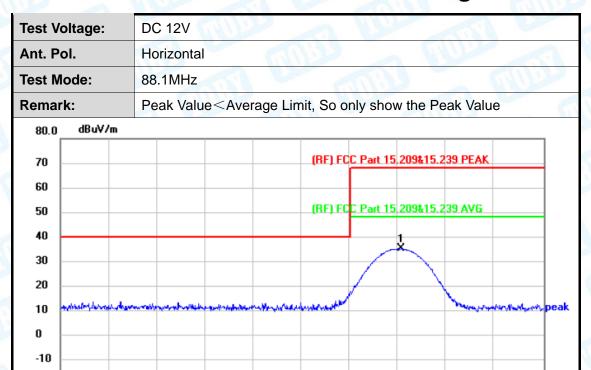


88.400

Humidity: 46 %

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Attachment B--Fundamental and Band Edge Test Data



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	88.1059	61.63	-26.53	35.10	67.96	-32.86	peak	Р

(MHz)

88.100

87.800

Remark:

87.400

Temperature:

1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)

87.600

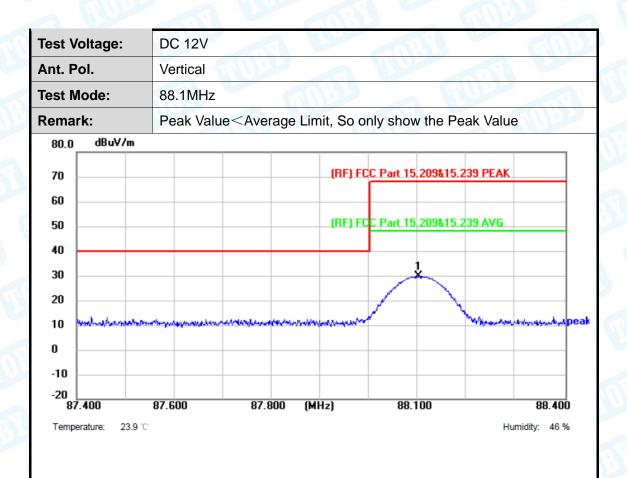
23.9 ℃

- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dBµV/m)-Limit PK/AVG(dBµV/m)





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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	88.1000	56.44	-26.53	29.91	67.96	-38.05	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
- 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)





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Test \	/oltage:	DC 12V					
Ant. F	Pol.	Horizontal	4000		Miller		183
Test N	Mode:	98.1MHz		U.S.		dino	
Rema	ırk:	Peak Value	< Average I	_imit, So d	only show th	ne Peak Valu	ie \\\\
80.0	dBuV/m						
70				(RF) FC	C Part 15.209	&15.239 PEAK	
60							
50				(RF) FC	C Part 15,209	15.239 AVG	
40							
30							
20				/	+		
10	an ann an 18 a	Marine Committee of the	المتعادية والمتعادية والماران والماران والمعادية			والموادية المراجع والمراجع المراجع الم	had had pea
0							
-10							
-20 97	7.500	97.700	97.900 (MHz)	98.200		98.500
Tempe	erature: 23.9 °C		·	-		Hu	midity: 46 %

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	98.0990	70.40	-26.23	44.17	67.96	-23.79	peak	Р

- Remark:
 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)





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est Voltage:	DC 12V			
nt. Pol.	Vertical		N.S.	
est Mode:	98.1MHz			William Co
emark:	Peak Value < A	verage Limit, So	only show the F	eak Value
80.0 dBuV/m				
70		(BF) F	CC Part 15,209&15.2	39 PEAK
60				
50		(RF) F	CC Part 15, 209&15.2	39 AVG
40			1	
30				
20				
10 Mahalpandage	-proplement the second color of the second color	A CONTRACTOR OF THE PROPERTY O	Marayee	kinan pangan dan kanan banda basah
)				
10				
20 97.500	97,700 97	.900 (MHz)	98.200	98.500

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	98.1050	65.86	-26.23	39.63	67.96	-28.33	peak	Р

- Remark:
 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)





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108.400

Humidity: 46 %

Test Voltage:	DC 12V
Ant. Pol.	Horizontal
Test Mode:	107.9MHz
Remark:	Peak Value < Average Limit, So only show the Peak Value
80.0 dBuV/m	
70	
60	
50	(RF) FCC Part 15, 209&15, 239 AVG (RF) FCC Part 15, 209&15, 239 PEAK
40	(III) I P I I I I I I I I I I I I I I I I
30	1
20	
10 Management of the land	where we will be a supported to the support of the
0	

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	107.8930	53.28	-24.55	28.73	67.96	-39.23	peak	Р

107.800 (MHz)

108.100

Remark:

-10

-20 <u>|</u> 107.400

Temperature:

107.600

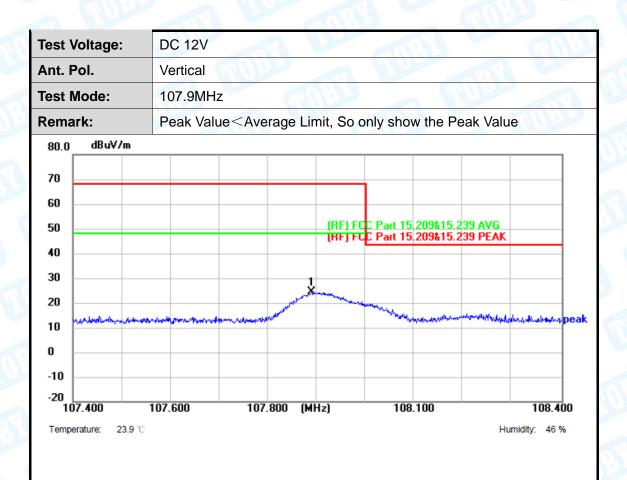
23.9 °C

- Corr. = Antenna Factor (dB/m) + Cable Loss (dB)
 Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)





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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	P/F
1 *	107.8890	48.94	-24.55	24.39	67.96	-43.57	peak	Р

Remark:

- 1. Corr. = Antenna Factor (dB/m) + Cable Loss (dB) 2. Peak/AVG (dBμV/m)= Corr. (dB/m)+ Read Level (dBμV)
- 3. Margin (dB) = Peak/AVG (dB μ V/m)-Limit PK/AVG(dB μ V/m)





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Attachment C-- Bandwidth Data

Frequency (MHz)	20 dB Bandwidth (kHz)	Limits (kHz)	Result
88.1	8.411		PASS
98.1	8.231	200	PASS
107.9	8.159		PASS

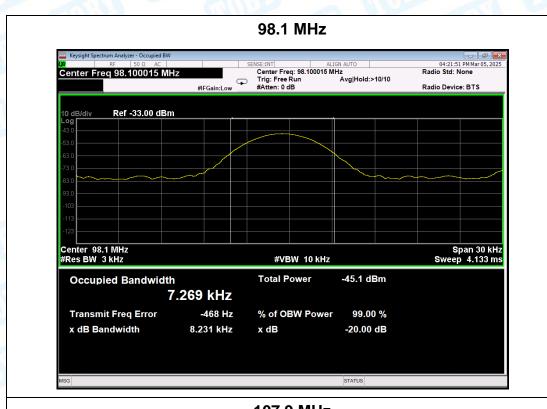
88.1 MHz



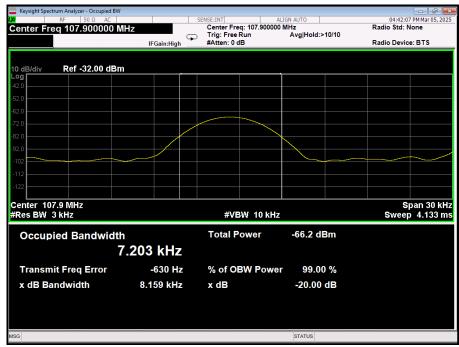




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107.9 MHz



----END OF REPORT----

