

Report No:CCISE160705901

# FCC REPORT

**Applicant:** Automotive Data Solutions Inc.

Address of Applicant: 8400 Bougainville Montreal Quebec Canada H4P 2G1

**Equipment Under Test (EUT)** 

Product Name: REMOTE STARTER (TWO WAY)

Model No.: TR2410A

FCC ID: 2AEPJ-TR2410A

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: 18 Jul., 2016

**Date of Test:** 18 Jul., to 26 Jul., 2016

Date of report issued: 26 Jul, 2016

Test Result: PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.

#### Authorized Signature:



#### Bruce Zhang

#### Laboratory 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 and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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# 2 Version

Version No.	Date	Description
00	26 Jul., 2016	Original

Tested by: Date: 26 Jul., 2016

Test Engineer

Reviewed by: Date: 26 Jul., 2016

**Project Engineer** 



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# 4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	N/A
Conducted Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247(d)	Pass
Spurious Emission	15.205/15.209	Pass

Pass: The EUT complies with the essential requirements in the standard.



# 5 General Information

# **5.1 Client Information**

Applicant:	Automotive Data Solutions Inc.
Address of Applicant:	8400 Bougainville Montreal Quebec Canada H4P 2G1
Manufacturer/ Factory:	DONGGUAN PORTMAN ELECTRONIC SCIENCE AND TECHNOLOGY CO.,LTD
Address of Manufacturer/ Factory:	NO.10, LUYI 2 ROAD, TANGXIA TOWN, DONGGUAN CITY, GUANGDONG PROVINCE CHINA

# 5.2 General Description of E.U.T.

Product Name:	REMOTE STARTER (TWO WAY)
Model No.:	TR2410A
Operation Frequency:	915 MHz
Channel numbers:	1
Modulation technology:	LoRa
Antenna Type:	Internal Antenna
Antenna gain:	-1.25dBi
Power supply:	DC 3V CR2450 battery



5.3 Test environment andmode

Operating Environment:		
Temperature:	24.0 °C	
Humidity:	54 % RH	
Atmospheric Pressure:	1010 mbar	
Test mode:		
Operation mode	Keep the EUT in continuous transmitting with modulation	

The sample was placed 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

### 5.4 Description of Support Units

N/A

### 5.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • FCC - Registration No.: 817957

Shenzhen ZhongjianNanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

#### • IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen ZhongjianNanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

#### • CNAS - Registration No.: CNAS L6048

Shenzhen ZhongjianNanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

# 5.6 Laboratory Location

Shenzhen ZhongjianNanfang Testing Co., Ltd.

Address: No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'anDistrict, Shenzhen, Guangdong, China

Tel: +86-755-23118282 Fax: +86-755-23116366

Shenzhen ZhongjianNanfang Testing Co., Ltd.
No.B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366

Report No: CCISE160705901



# 5.7 Test Instruments list

Radia	Radiated Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	03-25-2016	03-25-2017
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	03-25-2016	03-25-2017
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	04-01-2016	03-31-2017
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	04-01-2016	03-31-2017
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	04-01-2016	03-31-2017
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	04-01-2016	03-31-2017
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	03-28-2016	03-28-2017
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	03-28-2016	03-28-2017
10	Loop antenna	Laplace instrument	RF300	EMC0701	04-01-2016	03-31-2017
11	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

Cond	ducted Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	03-24-2016	03-24-2017
3	LISN	CHASE	MN2050D	CCIS0074	03-26-2016	03-26-2017
4	Coaxial Cable	CCIS	N/A	CCIS0086	04-01-2016	03-31-2017
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

# **5.8 Measurement Uncertainty**

Items	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)
Radiated Emission (18GHz ~ 26.5GHz)	4.56 dB (k=2)



### 6 Test results and Measurement Data

# 6.1 Antenna requirement:

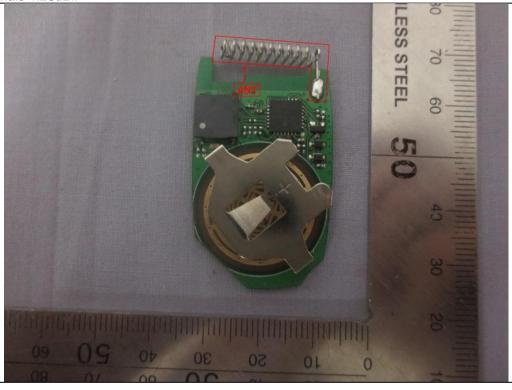
**Standard requirement:** FCC Part15 C Section 15.203 /247(c)

15.203 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, 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.

#### **E.U.T Antenna:**

The antennais aninternal antennawhich cannot replace by end-user, the best case gain of the antennais-1.25dBi.





# **6.2 Conducted Output Power**

Test Requirement:	FCC Part15 C Section 15.247 (b)(3)	
Test Method:	ANSI C63.10:2013 and KDB558074v03r03 section 9.2.2	
Limit:	30dBm	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.7 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Passed	

#### Measurement Data

Test Frequency	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
915 MHz	18.65	30.00	Pass



#### Test plot as follows:



Date: 26.JUL.2016 11:36:18



# 6.3 Occupy Bandwidth

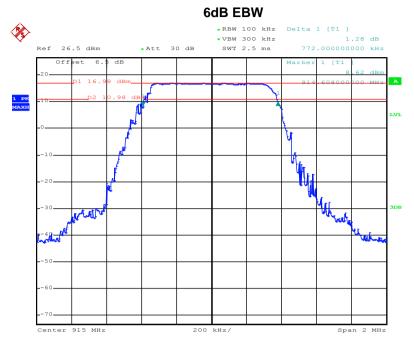
Test Requirement:	FCC Part15 C Section 15.247 (a)(2)	
Test Method:	ANSI C63.10:2013 and KDB558074v03r03 section 8.1	
Limit:	>500kHz	
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane	
Test Instruments:	Refer to section 5.7 for details	
Test mode:	Refer to section 5.3 for details	
Test results:	Passed	

#### **Measurement Data:**

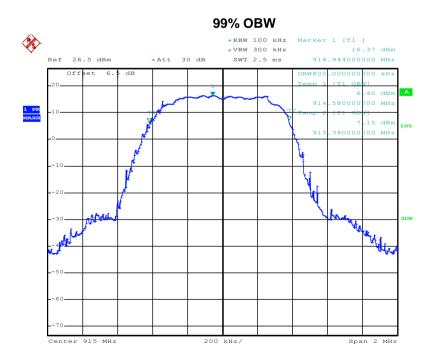
Mododi official Bata.			
Test Frequency	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result
915 MHz	0.772	>500	Pass
Test Frequency	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result
915 MHz	0.800	N/A	N/A



#### Test plot as follows:



Date: 26.JUL.2016 13:57:11



Date: 26.JUL.2016 14:06:38



# 6.4 Power Spectral Density

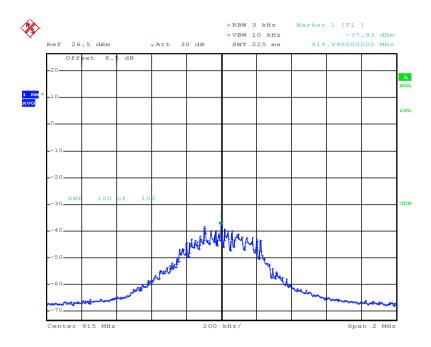
Test Requirement:	FCC Part15 C Section 15.247 (e)					
Test Method:	ANSI C63.10:2013 and KDB558074v03r03 section 10.3					
Limit:	8dBm					
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane					
Test Instruments:	Refer to section 5.7 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

#### **Measurement Data:**

Test Frequency	Power Spectral Density (dBm)	Limit(dBm)	Result
915 MHz	-37.93	8.00	Pass



#### Test plots as follow:



Date: 26.JUL.2016 14:17:26



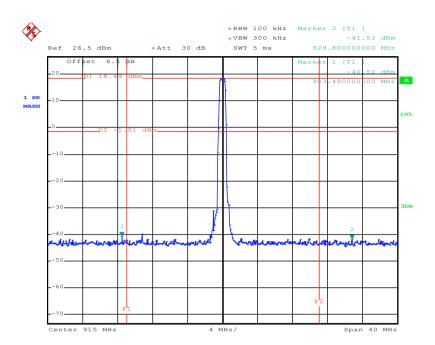
# 6.5 Band Edge

### 6.5.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)							
Test Method:	ANSI C63.10:2013 and KDB558074v03r03 section 13							
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spreadspectrum 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.							
Test setup:								
	Spectrum Analyzer							
	E.U.T							
	Non-Conducted Table							
	Ground Reference Plane							
Test Instruments:	Refer to section 5.7 for details							
Test mode:	Refer to section 5.3 for details							
Test results:	Passed							

Test plots as follow:





Date: 26.JUL.2016 11:42:04

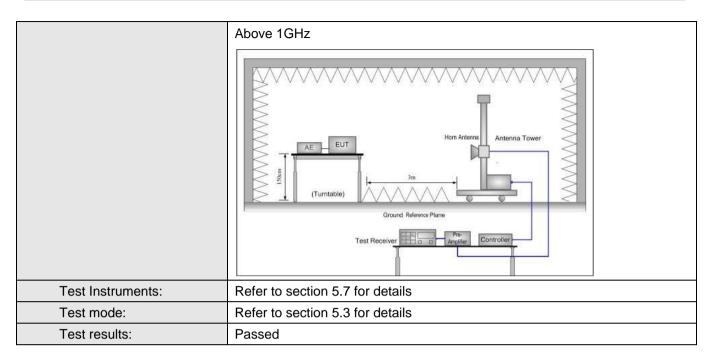


### 6.5.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209 and 15.205						
Test Method:	ANSI C63.10: 201	3and KDB 5	5580	74v03r03	section 12	.1	
TestFrequencyRange:	960MHz to 1.2400	GHz					
Test site:	Measurement Dist	ance: 3m					
Receiver setup:	Frequency Detector RBW VBW Remark						
'	960MHz-1GHz			120kHz	300kHz	Quasi-peak Value	
	Above 1GHz	Peak		1MHz	3MHz	Peak Value	
		RMS		1MHz 3MHz		Average Value	
Limit:	Frequenc		Lim	it (dBuV/m	@3m)	Remark	
	960MHz-10	6HZ		54.0		Quasi-peak Value	
	Above 1GI	Hz —		54.00 74.00		Average Value Peak Value	
Test Procedure:	1 The FUT was	nlaced on t	the to		ating table		
	<ol> <li>The EUT was placed on the top of a rotating table 0.8m(below 1GHz) /1.5m(above 1GHz) above the groundat a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>For each suspected emission, the EUT was arranged to its worst cas and thenthe antenna was tuned to heights from 1 meter to 4 meters at the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>The test-receiver system was set to Peak Detect Function and SpecifiedBandwidth with Maximum Hold Mode.</li> <li>If the emission level of the EUT in peak mode was 10dB lower than the limitspecified, then testing could be stopped and the peak values of the EUT wouldbe reported. Otherwise the emissions that did not have 10 margin would bere-tested one by one using peak, quasi-peak or average method as specified andthen reported in a data sheet.</li> </ol>					ence-receiving ole-height antenna our meters above the old strength. Both a are set to make the ged to its worst case meter to 4 meters and grees to find the function and a 10dB lower than the he peak values of the chat did not have 10dB quasi-peak or	
Test setup:	Below 1GHz  EUT  Turn Table	, v.sm	Im		11	Search Antenna  RF Test Receiver	





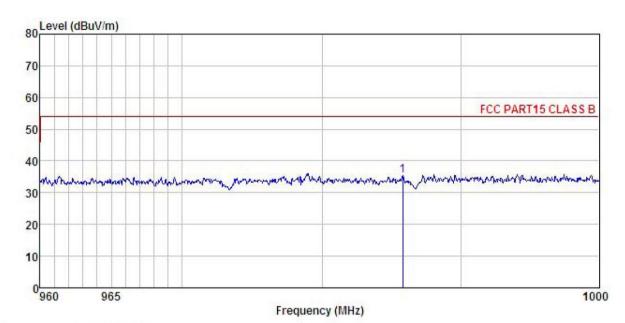






#### Test channel:Lowest

#### Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL Condition

: REMOTE STARTER (TWO WAY) : TR2410A EUT

Model Test mode : TX mode Power Rating : DC 3V

Environment: Temp: 25.5°C Huni: 55% Test Engineer: MT Remark:

1

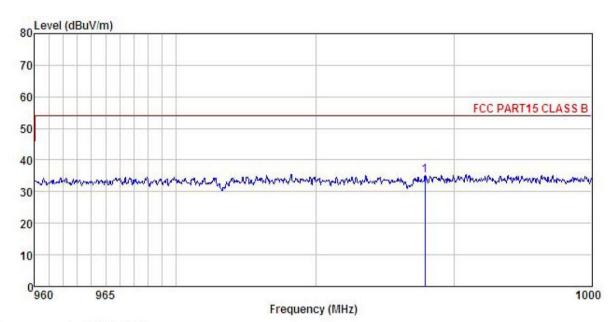
•		Read	Ant enna	Cable	Preamp		Limit	Over	
	Freq		Factor						
	MHz	—dBu∜	dB/m	<u>ab</u>	<u>ab</u>	dBu√/m	$\overline{dBuV/m}$	<u>dB</u>	
	985.774	8.46	22.65	4.39	0.00	35.50	54.00	-18.50	QP





#### Test channel:Lowest

Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL Condition

EUT : REMOTE STARTER (TWO WAY)

Model : TR2410A Test mode : TX mode Power Rating : DC 3V

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: MT

Remark

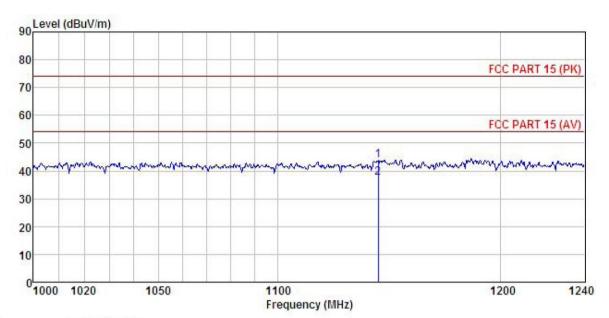
	Freq		Antenna Factor						
	MHz	dBuV	—dB/m	<u>d</u> B	<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1	987.868	7.87	22.74	4.41	0.00	35.02	54.00	-18.98	QP





#### Test channel:Highest

Horizontal:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL : REMOTE STARTER (TWO WAY) Condition

EUT

: TR2410A : TX mode Model Test mode

Power Rating: DC 3V Environment: Temp:25.5°C Huni:55% Test Engineer: MT

Remark

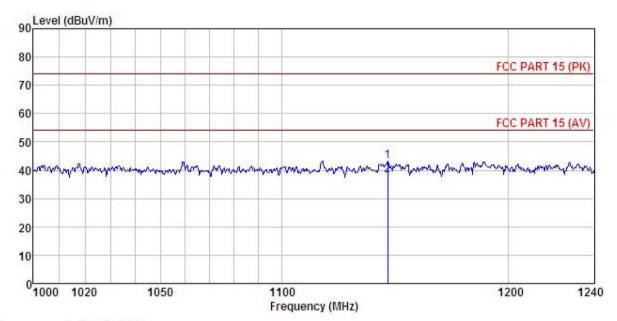
.cmai.	200	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	— <u>dB</u> /m		<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>dB</u>	
	1143.901 1143.901								





#### Test channel:Highest

Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL : REMOTE STARTER (TWO WAY) Condition

EUT

Model : TR2410A Test mode : TX mode Power Rating : DC 3V

Environment : Temp:25.5°C Huni:55% Test Engineer: MT

Remark

1 2

		Antenna Factor						
MHz	dBu₹	$\overline{-dB/m}$	<u>d</u> B	<u>d</u> B	$\overline{dBuV/m}$	dBuV/m	dB	
1145.625 1145.625								



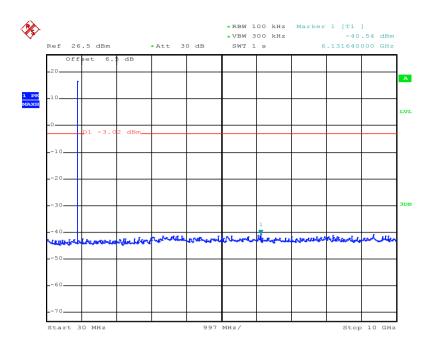
# 6.6 Spurious Emission

### 6.6.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)					
Test Method:	ANSI C63.10:2013 and KDB558074 section 11					
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spreadspectrum 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.					
Test setup:						
	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane					
Test Instruments:	Refer to section 5.7 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					



#### Test plot as follows:



Date: 26.JUL.2016 14:11:06

30MHz~10GHz



### 6.6.2 Radiated Emission Method

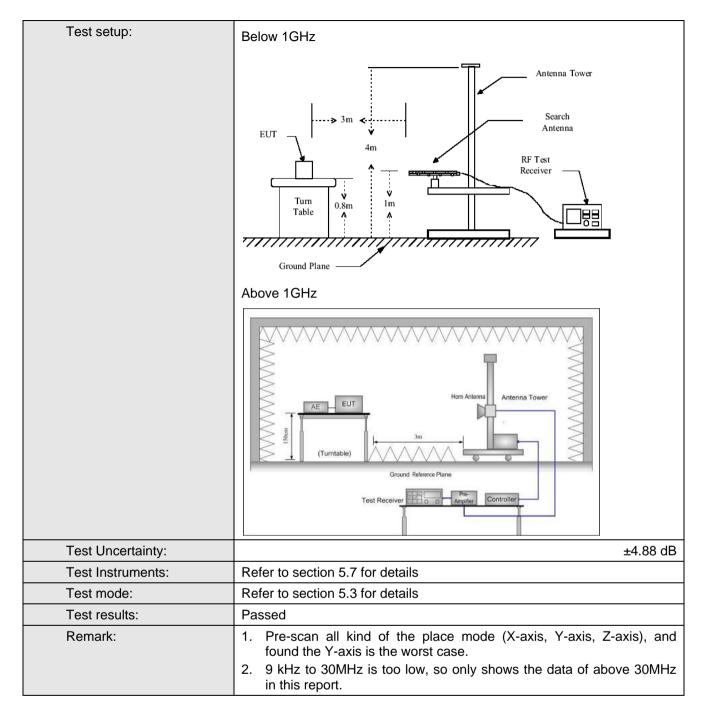
Test Requirement:	FCC Part15 C S	Section 15.20	9 and 15.205				
Test Method:	ANSI C63.10:20	ANSI C63.10:2013					
TestFrequencyRange:	9KHz to 25GHz						
Test site:	Measurement D	istance: 3m					
Receiver setup:	Frequency	Detector	RBW	VBW	Remark		
·	30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak Value		
	Above 1GHz	Peak	1MHz	3MHz	Peak Value		
	Above IGIIZ	RMS	1MHz	3MHz	Average Value		
Limit:	Frequency		Limit (dBuV/m	@3m)	Remark		
	30MHz-88MHz		40.0		Quasi-peak Value		
	88MHz-216MHz	-	43.5		Quasi-peak Value		
	216MHz-960MH	łz	46.0		Quasi-peak Value		
	960MHz-1GHz		54.0		Quasi-peak Value		
	Above 1GHz		54.0		Average Value		
			74.0		Peak Value		
Test Procedure:	1GHz)/1.5r chamber.T position of 2. The EUT antenna, we tower. 3. The antenna Both horizon make the make the make the make the interest and to find the interest and the interest and inte	m(above 10 he table withe highest rawas set 3 now hichwas more and height is a set of the table maximum reasurement of the rotatable is and width with sion level of the rotatable reasurement of the rotatable	GHz) above as rotated 3 adiation. neters away funted on the tovaried from or ne the maximulartical polarization. The Enna was tuned lewas turned fading. It was set to Maximum Hotel EUT in percesting could be ported. Otherwork as the EUT in percesting could be ported.	the groud 60 degree from the incop of a variance meter to find walue of the find to heights from 0 degree from 0 d	g table 0.8m(below and a 3 meter as todetermine the sterference-receiving able-height antenna of four meters above of the field strength, antenna are set to arranged to its worst as from 1 meter to 4 are to 360 degrees are		

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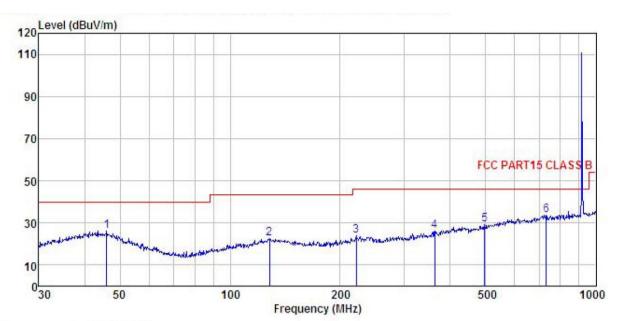






#### **Below 1GHz**

Horizontal:



: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL : REMOTE STARTER (TWO WAY)

Site Condition EUT

Model : TR2410A Test mode : TX mode Power Rating : DC 3V

Environment : Temp: 25.5°C Huni: 55%

Test Engineer: MT

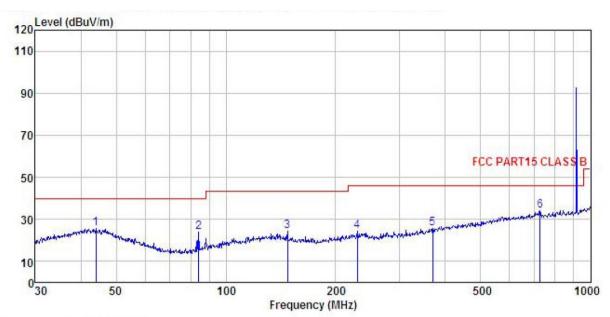
Remark

MATE										
	Freq		Antenna Factor				Limit Line	Over Limit	Remark	
	MHz	dBu∀	dB/m	₫B	₫₿	dBuV/m	dBuV/m	₫B		_
1	46.016	7.64	17.20	1.28	0.00	26.12	40.00	-13.88	QP	
2	128.113	8.22	12.21	2.26	0.00	22.69	43.50	-20.81	QP	
1 2 3	221.392	9.66	11.51	2.84	0.00	24.01	46.00	-21.99	QP	
4	362.985	8.24	14.60	3.09	0.00	25.93	46.00	-20.07	QP	
5	495.934	8.96	16.75	3.59	0.00	29.30	46.00	-16.70	QP	
6	731.920	9.40	20.00	4.29	0.00	33.69	46.00	-12.31	QP	





#### Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL : REMOTE STARTER (TWO WAY) Condition

: REMOTE STARTER (TWO W

Model : TR2410A

Test mode : TX mode

Power Rating : DC 3V

Environment : Temp:25.5°C Huni:55%

Test Engineer: MT

Remark :

Mark									
	Freq		Antenna Factor				Limit Line	Over Limit	Remark
	MHz	dBu₹	— <u>d</u> B/m	<u>d</u> B	<u>d</u> B	dBuV/m	dBuV/m	<u>d</u> B	
1	43.966	6.83	17.60	1.26	0.00	25.69	40.00	-14.31	QP
1 2 3	84.110	14.90	7.35	1.79	0.00	24.04	40.00	-15.96	QP
3	147.404	10.77	10.91	2.49	0.00	24.17	43.50	-19.33	QP
4	229.293	9.92	11.60	2.83	0.00	24.35	46.00	-21.65	QP
5 6	369.405	7.80	14.84	3.09	0.00	25.73	46.00	-20.27	QP
6	726.805	9.84	19.84	4.28	0.00	33.96	46.00	-12.04	QP





#### **Above 1GHz**

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			
1830.00	56.02	25.44	5.46	40.96	45.96	74.00	-28.04	Vertical			
2745.00	50.96	28.26	7.36	40.49	46.09	74.00	-27.91	Vertical			
3660.00	49.38	29.23	9.06	40.41	47.26	74.00	-26.74	Vertical			
4575.00	45.02	30.98	10.33	40.55	45.78	74.00	-28.22	Vertical			
5490.00	42.97	32.02	11.37	40.25	46.11	74.00	-27.89	Vertical			
6405.00	44.00	34.01	11.95	41.12	48.84	74.00	-25.16	Vertical			
1830.00	52.33	25.44	5.46	40.96	42.27	74.00	-31.73	Horizontal			
2745.00	51.86	28.26	7.36	40.49	46.99	74.00	-27.01	Horizontal			
3660.00	46.80	29.23	9.06	40.41	44.68	74.00	-29.32	Horizontal			
4575.00	44.83	30.98	10.33	40.55	45.59	74.00	-28.41	Horizontal			
5490.00	42.46	32.02	11.37	40.25	45.60	74.00	-28.40	Horizontal			
6405.00	42.67	34.01	11.95	41.12	47.51	74.00	-26.49	Horizontal			
Averagevalue											
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			
1830.00	48.92	25.44	5.46	40.96	38.86	54.00	-15.14	Vertical			
2745.00	42.26	28.26	7.36	40.49	37.39	54.00	-16.61	Vertical			
3660.00	42.06	29.23	9.06	40.41	39.94	54.00	-14.06	Vertical			
4575.00	37.16	30.98	10.33	40.55	37.92	54.00	-16.08	Vertical			
5490.00	34.26	32.02	11.37	40.25	37.40	54.00	-16.60	Vertical			
6405.00	35.02	34.01	11.95	41.12	39.86	54.00	-14.14	Vertical			
1830.00	45.02	25.44	5.46	40.96	34.96	54.00	-19.04	Horizontal			
2745.00	43.69	28.26	7.36	40.49	38.82	54.00	-15.18	Horizontal			
3660.00	37.51	29.23	9.06	40.41	35.39	54.00	-18.61	Horizontal			
4575.00	35.82	30.98	10.33	40.55	36.58	54.00	-17.42	Horizontal			
5490.00	35.03	32.02	11.37	40.25	38.17	54.00	-15.83	Horizontal			
6405.00	34.12	34.01	11.95	41.12	38.96	54.00	-15.04	Horizontal			

#### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.