

Report Number:

F690501/RF-RTL008123-1

Page: 1

of

23

TEST REPORT

OF

FCC Part 15 Subpart C §15.209 / IC RSS-210 Issue 8, RSS-Gen Issue 3 FCC ID/IC Certification: TQ8-SMK-4E07 / 5074A-SMK4E07

Equipment Under Test : SMART KEY ECU

Model Name : SMK-4E07

Applicant : Hyundai MOBIS Co., Ltd.

Manufacturer : Hyundai MOBIS Co., Ltd.

Date of Test(s) : 2014.10.20 ~ 2014.10.31

Date of Issue : 2014.11.07

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

Tested By: Date: 2014.11.07

Alvin Kim

Approved By Date: 2014.11.07

Hyunchae You



Report Number: F690501/RF-RTL008123-1

INDEX

Page: 2

of

23

TABLE OF CONTENTS	Page
1. General Information	3
2. Field Strength of Fundamental	5
3. Spurious Emission	10
4. Occupied Bandwidth	17



Report Number: F690501/RF-RTL008123-1 Page: 3 of 23

1. General Information

1.1. Testing Laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)

-Wireless Div. 2FL, 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 435-837

All SGS services are rendered in accordance with the applicable SGS conditions of service available on request and accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx.

Telephone : +82 31 688 0901 FAX : +82 31 688 0921

1.2. Details of Applicant

Applicant : Hyundai Mobis Co., Ltd.

Address : 203, Teheran-ro, Gangnam-gu, Seoul, 135-977 Republic of Korea

Contact Person : Choi, Seung-Hoon Phone No. : + 82 31 260 0098

1.3. Description of EUT

Kind of Product	SMART KEY ECU					
Model Name	SMK-4E07					
Power Supply	DC 12 V (Used by Vehicle battery)					
Frequency Range	Tx: 125.00 klz (LF Antenna) Rx: 433.92 llz (RF Antenna)					
Modulation Technique	ASK					
Number of Channels	1					
Operating Conditions	-30 ℃ ~75 ℃					
Antenna Type	Internal Type (Coil Antenna)					

1.4. Declarations by the manufacturer

- RF antenna is only Receiver antenna
- The EUT of antennas cannot operate at the same time.



Report Number: F690501/RF-RTL008123-1 Page: 4 of 23

1.5. Test Equipment List

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Interval	Cal. Due.
Spectrum Analyzer	R&S	FSV30	100768	Mar. 27, 2014	Annual	Mar. 27, 2015
Signal Generator	R&S	SMBV100A	255834	Jun. 25, 2014	Annual	Jun. 25, 2015
Loop Antenna	SCHWARZBECK	FMZB 1519	1519-039	Jul. 09, 2013	Biennial	Jul. 09, 2015
Bilog Antenna	Bilog Antenna SCHWARZBECK		396	Jun. 07, 2013	Biennial	Jun. 07, 2015
DC power Supply	DC power Supply Agilent		MY48490027	Jan. 03, 2014	Annual	Jan. 03, 2015
Test Receiver	R&S	ESU26	100109	Mar. 04, 2014	Annual	Mar. 04, 2015
Preamplifier	H.P.	8447F	2944A03908	Aug. 27, 2014	Annual	Aug. 27, 2015
Low Pass Filter	Mini-Circuits	NLP-1200+	V 8979400903-1	Jun. 10, 2014	Annual	Jun. 10, 2015
Antenna Master	MA 2000	INN-CO	N/A	N.C.R.	N.C.R.	N.C.R.
Turn Device	DE-3600-RH	INN-CO	N/A	N.C.R.	N.C.R.	N.C.R.
Anechoic Chamber	SY Corporation	L × W × H (21.5 m × 13.0 m × 9.0 m)	N/A	N.C.R.	N.C.R.	N.C.R.

1.6. Test Report Revision

Revision	Report number	Date of Issue	Description		
0	F690501/RF-RTL008123	2014.10.31	Initial		
1	F690501/RF-RTL008123-1	2014.11.07	Modified antenna polarity and detector on the table of field strength		

1.7. Summary of Test Results

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 15 Subpart C 15.209/ IC RSS-210 Issue8, RSS-Gen Issue3										
Section in FCC 15 Subpart B&C §15.209	Section in IC RSS-210 Issue8, RSS-Gen Issue 3	Test Item	Result							
15.209(a)	RSS-210 Issue8, 2.5.1 RSS-Gen Issue3, 7.2.5 Table 6	Radiated emission, Spurious Emission and Field Strength of Fundamental	Complied							
-	RSS-Gen Issue3, 4.6.1	Occupied Bandwidth	Complied							

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.

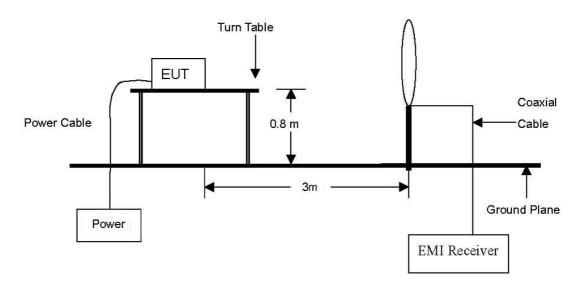


Report Number: F690501/RF-RTL008123-1 Page: 5 of 23

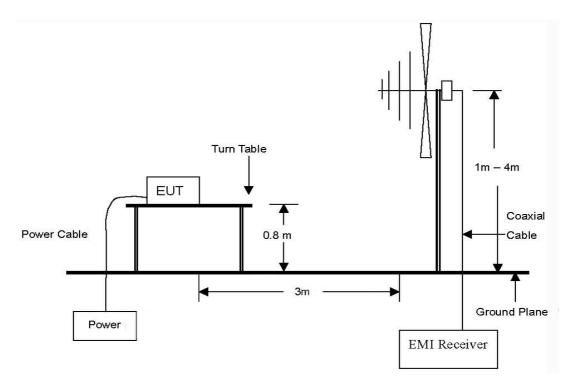
2. Field Strength of Fundamental

2.1. Test Setup

The diagram below shows the test setup that is utilized to make the measurements for emission from 9 km to 30 km Emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 Mb to 1 Gb Emissions.



The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.



Report Number: F690501/RF-RTL008123-1 Page: 6 of 23

2.2. Limit

2.2.1. Radiated emission limits, general requirements

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (쌘)	Field Strength (microvolts/meter)	Measurement Distance (meter)
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

^{**} Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 Nb, 76-88 Nb, 174-216 Nb or 470-806 Nb. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241



Report Number: F690501/RF-RTL008123-1 Page: 7 of 23

2.3. Test Procedures

Radiated emissions from the EUT were measured according to the dictates of ANSI C63.4:2003

2.3.1. Test Procedures for emission from 9 klb to 30 Mb

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel and perpendicular of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and also external antennas of EUT were investigated through X, Y and Z axis at the center of turn table.
- d. the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to average Detect Function and Specified Bandwidth with Maximum Hold Mode.

2.3.2. Test Procedures for emission from 30 Mb to 1 000 Mb

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. During performing radiated emission below 1 \times , the EUT was set 3 meters away from the interference receiving antenna, which was mounted on the top of a variable-height antenna tower. During performing radiated emission above 1 \times , the EUT was set 3 meter away from the interference-receiving antenna.
- c. The antenna is a broadband antenna, and its 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.



Report Number: F690501/RF-RTL008123-1 Page: 8 of 23

2.4. Test Result

Ambient temperature : (23 \pm 1) $^{\circ}$ C Relative humidity : 47 $^{\circ}$ R.H.

The following table shows the highest levels of radiated emissions on both polarizations of horizontal and vertical. The field strength of spurious emission was measured in three orthogonal EUT antenna position (x-axis, y-axis and z-axis). Worst case is x-axis.

- AST ANT

Radiated Emissions			Ant	Correction Total		tal	FCC Limit		
Frequency (썐)	Reading (dBµV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dΒμV/m) at 3 m	Actual (dΒμV/m) at 300 m	Limit (dBµN/m)	Margin (dB)
0.121	60.10	Average	Н	20.03	0.07	80.20	0.20	25.95	25.75

- RUM ANT

- DOM AN	70m / 111											
Radiated Emissions			Ant	Correction Factors		Total		FCC Limit				
Frequency (쌘)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dΒμV/m) at 3 m	Actual (dΒμV/m) at 300 m	Limit (dBµV/m)	Margin (dB)			
0.121	57.40	Average	Н	18.69	0.07	76.16	-3.84	25.95	29.79			

- DRV ANT

Radiated Emissions			Ant	Correction Total		tal	FCC Limit		
Frequency (썐)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dΒμV/m) at 3 m	Actual (dΒμV/m) at 300 m	Limit (dBµN/m)	Margin (dB)
0.121	56.60	Average	Н	20.03	0.07	76.70	-3.30	25.95	29.25



Report Number: F690501/RF-RTL008123-1 Page: 9 of 23

- INT1 ANT

Radiated Emissions			Ant	Correction Factors		Total		FCC Limit	
Frequency (썐)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dΒμV/m) at 3 m	Actual (dΒμV/m) at 300 m	Limit (dBµN/m)	Margin (dB)
0.121	60.30	Average	Н	20.03	0.07	80.40	0.40	25.95	25.55

- INT2 ANT

Radia	Radiated Emissions			Correction Factors		Total		FCC Limit	
Frequency (账)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dΒμV/m) at 3 m	Actual (dBμV/m) at 300 m	Limit (dBµN/m)	Margin (dB)
0.121	60.10	Average	Ι	20.03	0.07	80.20	0.20	25.95	25.75

- SSB ANT

Radiated Emissions		Ant	Correction Factors		Total		FCC Limit		
Frequency (Mb)	Reading (dBµV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµV/m) at 3 m	Actual (dBμV/m) at 300 m	Limit (dBµN/m)	Margin (dB)
0.125	60.90	Average	Н	18.69	0.07	79.66	-0.34	25.67	26.01

Note:

1. 300 m Result(dB μ V/m) = 3 m Result(dB μ V/m) – 40log(300/3) (dB μ V/m)



Report Number: F690501/RF-RTL008123-1 Page: 10 of 23

3. Spurious Emission

3.1. Test Setup

Same as section 2.1 of this report

3.2. Limit

Same as section 2.2 of this report

3.3. Test Procedures

Radiated emissions from the EUT were measured according to the dictates of ANSI C63.4:2003

3.3.1. Test Procedures for emission from 9 肚 to 30 胍

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel and perpendicular of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- d. The test-receiver system was set to quasi-peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

3.3.2. Test Procedures for emission from 30 Mb to 1 000 Mb

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. During performing radiated emission below 1 @\mu, the EUT was set 3 meters away from the interference receiving antenna, which was mounted on the top of a variable-height antenna tower. During performing radiated emission above 1 @\mu, the EUT was set 3 meter away from the interference-receiving antenna.
- c. The antenna is a broadband antenna, and its 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.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.



Report Number: F690501/RF-RTL008123-1 Page: 11 of 23

3.4. Test Result

Ambient temperature : (24 ± 1) °C Relative humidity : 47 % R.H.

The following table shows the highest levels of radiated emissions on both polarizations of horizontal and vertical.

3.4.1. Spurious emission from 9 社 to 30 胚

- AST ANT

Radiated Emissions			Ant	Correction Factors		Total		FCC Limit	
Frequency (船)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµV/m) at 3 m	Actual¹ (dBµV/m) at 300 m or 30 m	Limit (dBµV/m)	Margin (dB)
2.914	5.50	Quasi Peak	Н	20.09	0.20	25.79	-14.21	29.54	43.75
13.942	0.30	Quasi Peak	Н	20.14	0.49	20.93	-19.07	29.54	48.61

- BUM ANT

Rad	Radiated Emissions		Ant	Correction Factors		То	tal	FCC Limit	
Frequency (脈)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµV/m) at 3 m	Actual¹ (dBµV/m) at 300 m or 30 m	Limit (dBµN/m)	Margin (dB)
0.201	11.00	Average	Н	18.65	0.08	29.73	-50.27	13.82	64.09
16.698	6.80	Quasi Peak	Н	17.53	0.56	24.89	-15.11	29.54	44.65



Report Number: F690501/RF-RTL008123-1 Page: 12 of 23

- DRV ANT

Rad	Radiated Emissions			Correction Factors		Total		FCC Limit	
Frequency (脈)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµV/m) at 3 m	Actual¹ (dBμV/m) at 300 m or 30 m	Limit (dBµN/m)	Margin (dB)
0.217	42.10	Average	Н	20.02	0.08	62.20	-17.80	20.88	38.68
2.380	33.10	Quasi Peak	Н	20.13	0.19	53.42	13.42	29.54	16.12
13.560	5.90	Quasi Peak	Н	20.13	0.49	26.52	-13.48	29.54	43.02

- INT1 ANT

Rac	Radiated Emissions		Ant	Correction Factors		Total		FCC Limit	
Frequency (쌘)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµN/m) at 3 m	Actual¹ (dBµV/m) at 300 m or 30 m	Limit (dBµN/m)	Margin (dB)
0.473	6.70	Average	Н	20.11	0.11	26.92	-53.08	14.11	67.19
10.417	0.50	Quasi Peak	Н	20.12	0.41	21.03	-18.97	29.54	48.51

- INT2 ANT

Rac	Radiated Emissions			Correction Factors		То	tal	FCC Limit	
Frequency (飐)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµN/m) at 3 m	Actual¹ (dBμ//m) at 300 m or 30 m	Limit (dBµV/m)	Margin (dB)
0.842	25.80	Quasi Peak	Н	20.21	0.14	46.15	6.15	29.10	22.95
17.596	2.60	Quasi Peak	Н	20.22	0.58	23.40	-16.60	29.54	46.14



Report Number: F690501/RF-RTL008123-1 Page: 13 of 23

- SSB ANT

Radiated Emissions		Ant	Correction Factors		Total		FCC Limit		
Frequency (썐)	Reading (dBμV)	Detect Mode	Pol.	Ant. (dB/m)	Cable (dB)	Actual (dBµN/m) at 3 m	Actual¹ (dBµV/m) at 300 m or 30 m	Limit (dBµV/m)	Margin (dB)
2.523	35.80	Quasi Peak	Н	18.50	0.19	54.49	-25.51	16.45	41.96
13.558	41.00	Quasi Peak	Н	17.64	0.49	59.13	19.13	29.54	10.41

Note:

1. 300 m Result($dB\mu V/m$) = 3 m Result($dB\mu V/m$) – 40log(300/3) ($dB\mu V/m$) or 30 m Result($dB\mu V/m$) = 3 m Result($dB\mu V/m$) – 40log(30/3) ($dB\mu V/m$)



Report Number: F690501/RF-RTL008123-1 Page: 14 of 23

3.4.2. Spurious emission from 30 Mb to 1 000 Mb

The frequency spectrum from 30 Mb to 1 000 Mb was investigated. All reading values are peak values.

- AST ANT

Radia	Radiated Emissions			Correctio	n Factors	Total	FCC L	imit
Frequency (Mb)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dBµV/m)	Limit (dBµN/m)	Margin (dB)
30.12	49.02	Peak	V	12.55	-27.27	34.30	40.00	5.70
36.91	38.33	Peak	V	13.63	-27.16	24.80	40.00	15.20
52.76	32.81	Peak	Н	15.50	-26.91	21.40	40.00	18.60
Above 100.00	Not detected	-	-	-	-	-	-	-

- BUM ANT

Radia	ated Emissio	ns	Ant	Correctio	n Factors	Total	FCC L	imit
Frequency (脈)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dΒμV/m)	Limit (dBµN/m)	Margin (dB)
31.78	47.71	Peak	V	12.82	-27.23	33.30	40.00	6.70
40.67	32.81	Peak	Н	15.92	-27.13	21.60	40.00	18.40
49.60	42.62	Peak	V	14.56	-26.98	30.20	40.00	9.80
100.33	33.60	Peak	Н	14.57	-26.37	21.80	43.50	21.70
Above 200.00	Not detected	-	-	-	-	-	-	-



Report Number: F690501/RF-RTL008123-1 Page: 15 of 23

- DRV ANT

Radia	Radiated Emissions			Correctio	n Factors	Total	FCC L	imit
Frequency (Mb)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dBµV/m)	Limit (dBµN/m)	Margin (dB)
35.58	41.04	Peak	V	13.43	-27.17	27.30	40.00	12.70
36.87	36.23	Peak	Н	15.43	-27.16	24.50	40.00	15.50
49.20	32.71	Peak	V	14.58	-26.99	20.30	40.00	19.70
106.43	33.60	Peak	Н	13.75	-26.35	21.00	43.50	22.50
Above 200.00	Not detected	-	-	-	-	-	-	-

- INT1 ANT

Radia	ated Emissio	ns	Ant	Correctio	n Factors	Total	FCC L	imit
Frequency (畑)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.12	39.52	Peak	V	12.55	-27.27	24.80	40.00	15.20
36.91	36.53	Peak	Н	15.43	-27.16	24.80	40.00	15.20
97.86	33.31	Peak	Н	14.27	-26.38	21.20	43.50	22.30
619.64	32.68	Peak	V	19.95	-24.73	27.90	46.00	18.10
Above 700.00	Not detected	-	-	-	-	-	-	-



Report Number: F690501/RF-RTL008123-1 Page: 16 of 23

- INT2 ANT

Radia	ated Emissio	ns	Ant	Correctio	n Factors	Total	FCC L	imit
Frequency (畑)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dBµV/m)	Limit (dBµV/m)	Margin (dB)
32.02	39.57	Peak	V	12.86	-27.23	25.20	40.00	14.80
36.95	37.82	Peak	V	13.64	-27.16	24.30	40.00	15.70
55.83	33.88	Peak	Н	15.17	-26.85	22.20	40.00	17.80
109.14	33.65	Peak	Н	13.39	-26.34	20.70	43.50	22.80
Above 200.00	Not detected	-	-	-	-	-	-	-

- SSB ANT

Radia	Radiated Emissions			Correctio	n Factors	Total	FCC L	imit
Frequency (畑)	Reading (dBμV)	Detect Mode	Pol.	AF (dB/m)	AMP + CL (dB)	Actual (dBµV/m)	Limit (dBµN/m)	Margin (dB)
31.74	41.33	Peak	V	12.81	-27.24	26.90	40.00	13.10
55.79	33.57	Peak	Н	15.18	-26.85	21.90	40.00	18.10
570.49	33.80	Peak	V	18.93	-24.93	27.80	46.00	18.20
Above 600.00	Not detected	-	-	-	-	-	-	-

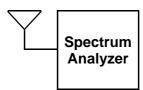


Report Number: F690501/RF-RTL008123-1 Page: 17 of 23

4. Occupied Bandwidth

4.1. Test Setup





4.2. Limit

None; for reporting purposed only

4.3. Test Procedure

- 1. The Occupied Bandwidth is measured with a spectrum analyzer connected via a receiving antenna placed near the EUT.
- 1. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using RBW= 1 kHz, VBW= 3 kHz and Span=50 kHz and detector mode= Sample.
- 2. The bandwidth of fundamental frequency was measured and recorded.



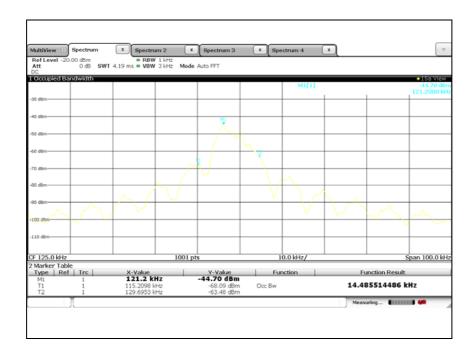
Report Number: F690501/RF-RTL008123-1 Page: 18 of 23

4.4. Test Result

Ambient temperature : (24 ± 1) °C Relative humidity : 47 % R.H.

- AST ANT

Carrier Frequency	Occupied	Limit	Remark
(雕)	Bandwidth (쌦)	(kl⁄z)	
0.125	14.486	-	99 % Occupied bandwidth

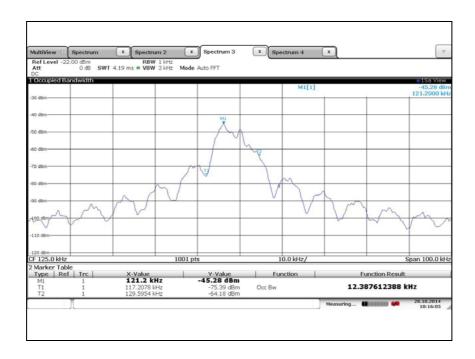




Report Number: F690501/RF-RTL008123-1 Page: 19 of 23

- BUM ANT

Carrier Frequency	Occupied	Limit	Remark
(쌘)	Bandwidth (胐)	(klb)	
0.125	12.388	-	99 % Occupied bandwidth

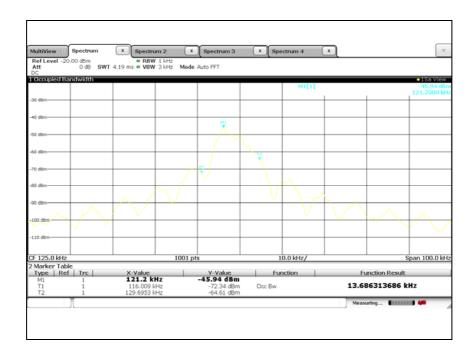




Report Number: F690501/RF-RTL008123-1 Page: 20 of 23

- DRV ANT

Carrier Frequency (脈)	Occupied Bandwidth (妣)	Limit (㎞)	Remark
0.125	13.686	-	99 % Occupied bandwidth

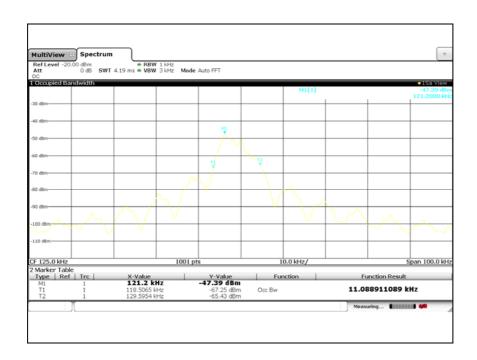




Report Number: F690501/RF-RTL008123-1 Page: 21 of 23

- INT1 ANT

Carrier Frequency (Mb)	Occupied Bandwidth (妣)	Limit (kllz)	Remark
0.125	11.089	-	99 % Occupied bandwidth

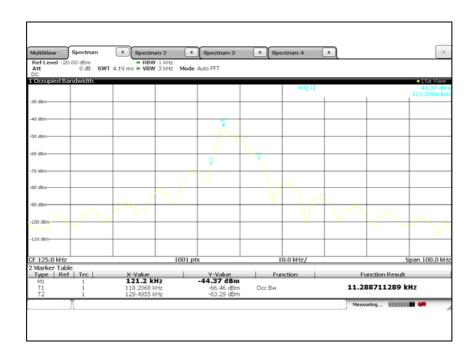




Report Number: F690501/RF-RTL008123-1 Page: 22 of 23

- INT2 ANT

Carrier Frequency	Occupied	Limit	Remark
(雕)	Bandwidth (妣)	(klb)	
0.125	11.289	-	99 % Occupied bandwidth





Report Number: F690501/RF-RTL008123-1 Page: 23 of 23

- SSB ANT

Carrier Frequency	Occupied	Limit	Remark
(酏)	Bandwidth (胐)	(klb)	
0.125	29.570	-	99 % Occupied bandwidth

