



Test report No:
 3529ERM.005A1

Test report

**USA FCC Part 15.247, 15.209, 15.207
 CANADA RSS-247, RSS-Gen**

**Radio Frequency Devices. Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and
 5725 - 5850 MHz**

**Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and License-
 Exempt Local Area Network (LE-LAN) Devices.**

(*) Identification of item tested	Battery Radiofrequency Module
(*) Trademark	Visteon
(*) Model and /or type reference tested	BRFM S
Other identification of the product	FCC ID: NT8-BRFMS IC: 3043A-BRFMS
(*) Features	Wireless Battery Management
Manufacturer	Visteon Corporation One Village Center Drive, Van Buren Township, MI 48111, USA.
Test method requested, standard	USA FCC Part 15.247, 10-1-20 Edition: Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz USA FCC Part 15.209, 10-1-20 Edition: Radiated emission limits; general requirements CANADA RSS-247 Issue 2 (February 2017). CANADA RSS-Gen Issue 5 (February 2021). 558074 D01 15.247 Meas. Guidance v05r02 (April 2019): Guidance for Compliance Measurements on Digital Transmission Systems, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under section §15.247 of the FCC Rules ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.
Summary	IN COMPLIANCE
Approved by (name / position & signature)	Domingo Galvez EMC&RF Lab Manager
Date of issue	03-04-2022
Report template No	FDT08_23 (*) "Data provided by the client"

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Competences and guarantees

DEKRA Certification Inc. is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA Certification Inc. has a calibration and maintenance program for its measurement equipment.

DEKRA Certification Inc. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and, it is based on the knowledge and technical facilities available at DEKRA Certification at the time of performance of the test.

DEKRA Certification Inc. is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
3. This document is only valid if complete; no partial reproduction can be made without previous written permission of DEKRA Certification Inc.
4. This test report cannot be used partially or in full for publicity and/or promotional purposes without previous written permission of DEKRA Certification Inc. and the Accreditation Bodies.

Uncertainty

Uncertainty (factor $k=2$) was calculated according to the DEKRA Certification internal document PODT000.

Test case	Frequency (MHz)	U(k=2)	Units
Frequency stability	2402-2483	10.03	KHz
E.I.R.P.	1000-18000	3.30	dB

Data provided by the client

The DUT is a Battery Radiofrequency Module.

DEKRA declines any responsibility with respect to the information provided by the client and that may affect the validity of results.

Usage of samples

Samples undergoing test have been selected by: The client.

Sample S/01 is composed of the following elements:

Control N°	Description	Model	Serial N°	Date of reception
3529/02	BRFM S (MTF Conducted)	8485	112134000009994	12/17/2021

Following Accessory items were used with Sample S/01 to perform testing:

Control N°	Description	Model	Serial N°	Date of reception
3183/06	GM BRFM test Board	--	--	08/02/2021
3183/12	isoSPI 2 Wire Serial Interface	--	--	08/02/2021
3183/13	Ethernet Cable	--	--	08/02/2021
3183/14	USB A to USB B male cable	--	--	08/02/2021

1. Sample S/01 has undergone following test(s) All Conducted tests indicated in appendix A.

Sample S/02 is composed of the following elements:

Control N°	Description	Model	Serial N°	Date of reception
3529/03	BRFM S (MTF Radiated)	8485	112134000009996	12/17/2021

Following Accessory items were used with Sample S/01 to perform testing:

Control N°	Description	Model	Serial N°	Date of reception
3183/06	GM BRFM test Board	--	--	08/02/2021
3183/12	isoSPI 2 Wire Serial Interface	--	--	08/02/2021
3183/13	Ethernet Cable	--	--	08/02/2021
3183/14	USB A to USB B male cable	--	--	08/02/2021

1. Sample S/02 has undergone following test(s)
 All Radiated tests indicated in appendix A.

Test sample description

Ports..... :	Port name and description	Cable				
		Specified length [m]	Attached during test	Shielded		
	Main connector/harness	60 cm	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>		
Supplementary information to the ports.....	No Data Provided					
Rated power supply..... :	Voltage and Frequency	Reference poles				
		L1	L2	L3	N	PE
	<input type="checkbox"/> AC:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> AC:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/> DC: 5.4 V					
<input type="checkbox"/> DC:						
Rated Power..... :	Current in normal mode: 0,5 A					
Clock frequencies..... :	40 MHz					
Other parameters..... :	No Data Provided					
Software version..... :	1.0					
Hardware version..... :	1.1					
Dimensions in mm (W x H x D):	No Data Provided					
Mounting position..... :	<input type="checkbox"/>	<i>Tabletop equipment</i>				
	<input type="checkbox"/>	<i>Wall/Ceiling mounted equipment</i>				
	<input type="checkbox"/>	<i>Floor standing equipment</i>				
	<input type="checkbox"/>	<i>Hand-held equipment</i>				
	<input checked="" type="checkbox"/>	Other: Integrated in-side electric vehicle battery pack.				
Modules/parts..... :	Module/parts of test item	Type			Manufacturer	
	No Data Provided					

Accessories (not part of the test item)..... :	Description	Type	Manufacturer
	Harness		
	Main connector		
	V71 board		
	Cheetah		
	CMUr		
Documents as provided by the applicant	Description	File name	Issue date
	Declaration Equipment Data	FDT30_18 Declaration Equipment Data February 03, 2022.pdf	02/10/2022
Copy of marking plate:			
No Marking plate found.			

Identification of the client

Visteon Corporation
 One Village Center Drive, Van Buren Township, MI 48111, USA..

Testing period and place

Test Location	DEKRA Certification Inc.
Date (start)	02-07-2022
Date (finish)	02-10-2022

Document history

Report number	Date	Description
3529ERM.005	02-16-2022	First release
3529ERM.005A1	03-04-2022	Second release

Modifications to the reference test report

It was introduced the following modifications in respect to the test report number 3529ERM.005 related with the same samples:

Clauses/ Sub-Clauses	Modification	Justification
Page 5: Test sample description	HW version was updated to show the correct one: 1.1	Typo error

This modification test report cancels and replaces the test report 3529ERM.005.

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar

In the semi anechoic chamber, the following limits were not exceeded during the test.

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 75 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar

In the chamber for conducted measurements, the following limits were not exceeded during the test:

Temperature	Min. = 15 °C Max. = 35 °C
Relative humidity	Min. = 30 % Max. = 60 %
Air pressure	Min. = 860 mbar Max. = 1060 mbar

Remarks and comments

The tests have been performed by the technical personnel: Sravani Gollamudi, Juliana Cherry, Lourdes Maria Valverde and Koji Nishimoto.

Testing verdicts

Not applicable :	N/A
Pass :	P
Fail :	F
Not measured :	N/M

Summary

Section	Test Description	Verdict	Remark
A.1	Frequency stability	P	N/A
A.2	Equivalent Isotropically Radiated Power (e.i.r.p.)	P	N/A
Supplementary information and remarks: None.			

List of equipment used during the test

Conducted Measurements

CONTROL NUMBER	DESCRIPTION	MANUFACTURER	MODEL	LAST CALIBRATION	NEXT CALIBRATION
1039	FSV40 Signal analyzer 40 GHz	Rohde & Schwarz	FSV40	2020/09	2022/09
1107	ETHERNET SNMP THERMOMETER	HW GROUP	HWg-STE Plain	2020/08	2022/08
101	Climatic chamber	ESPEC North America	ESL-2CA	2020/04	2022/04

Radiated Measurements

CONTROL NUMBER	DESCRIPTION	MANUFACTURER	MODEL	LAST CALIBRATION	NEXT CALIBRATION
0981	RF pre-amplifier	Bonn Elektronik	BLMA0118-2A	2020/11	2022/11
1014	Spectrum analyzer	Rohde & Schwarz	FSV40	2021/05	2023/05
1057	Double-ridge Waveguide Horn antenna 1-18 GHz	ETS LINDGREN	3115	2020/06	2023/06
1111	ETHERNET SNMP THERMOMETER	HW GROUP	HWg-STE Plain	2020/08	2022/08
1179	Semi anechoic Absorber Lined Chamber	Frankonia	SAC 3 plus "L"	N/A	N/A
1314	WIRELESS MEASUREMENT SOFTWARE R&S EMC32	Rohde & Schwarz	N/A	N/A	N/A

Appendix A: Test results (Proprietary Protocol)

Appendix A Content

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PRODUCT INFORMATION

The following information is provided by the client

Information	Description
Modulation	GFSK
Adaptive	Non-adaptive equipment
Operation mode	
- Operating Frequency Range	2405 – 2480 MHz
- Nominal Channel Bandwidth	2 MHz
- RF Output Power	10 dBm
Antenna type	Integrated chip antenna
Antenna gain	2.6 dBi
Nominal Voltage	
- Supply Voltage	5.4 V nominal
- Type of power source	DC Power supply
Equipment type	Wireless Battery Management
Geo-location capability	No

DESCRIPTION OF TEST CONDITIONS

TEST CONDITIONS	DESCRIPTION
TC#01 (Port 1)	<p><u>Power supply (V):</u></p> <p>V_{min} = 4.59 V dc</p> <p>V_{nominal} = 5.4 V dc</p> <p>V_{max} = 6.21 V dc</p> <p>Bandwidth: 2 MHz</p> <p><u>Test Frequencies for Conducted/ Radiated tests:</u></p> <p>Lowest channel: 2405 MHz</p> <p>Middle channel: 2445 MHz</p> <p>Highest channel: 2480 MHz</p>

TEST A.1: FREQUENCY STABILITY

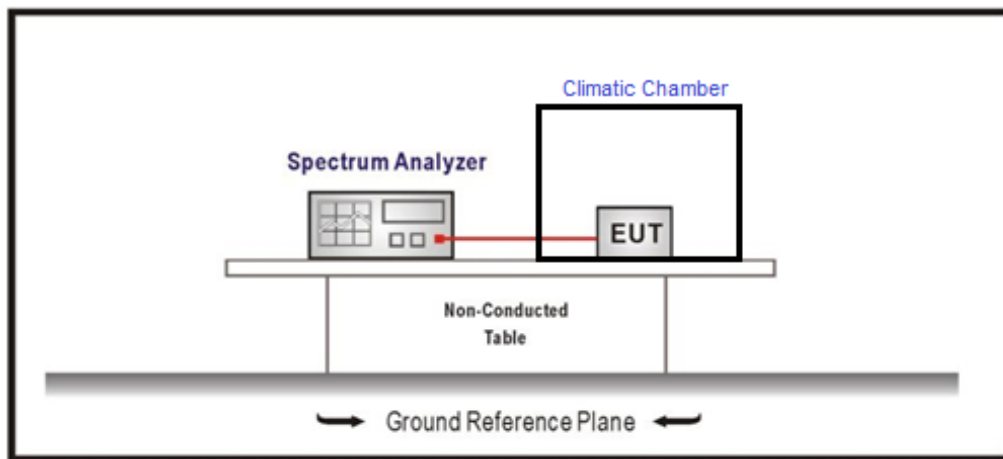
SPECIFICATION

Some unlicensed wireless device requirements specify frequency stability tests with variation of supply voltage and temperature; the requirements can be found in the regulatory specifications for each type of unlicensed wireless device. The procedures listed in ANSI C63.10 6.8.1 and 6.8.2 shall be used for frequency stability tests.

Reference Limits (According to GM RF Regulatory Test Plan):

Radio frequency reference shall be within ± 20 PPM from desired frequency.

TEST SETUP



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01
TEST RESULTS:	PASS

TEST RESULTS:		Lowest channel				
Frequency stability over Temperature variations at Vnom: (ANSI C63.10 specification)						
Temperature (°C)	Time	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
50	0	-35250	-14.7	2404.965	2403.952	2405.977
	2	-28500	-11.9	2404.972	2403.959	2405.984
	5	-28050	-11.7	2404.972	2403.962	2405.982
	10	-25950	-10.8	2404.974	2403.967	2405.981
40	0	4050	1.7	2405.004	2403.984	2406.024
	2	-7350	-3.1	2404.993	2403.979	2406.006
	5	-750	-0.3	2404.999	2403.983	2406.015
	10	-700	-0.3	2404.999	2403.985	2406.014
30	0	450	0.2	2405.000	2403.987	2406.014
	2	1117	0.5	2405.001	2403.982	2406.020
	5	-5700	-2.4	2404.994	2403.979	2406.010
	10	-1050	-0.4	2404.999	2403.982	2406.016
20	0	-13045	-5.4	2404.987	2403.971	2406.003
	2	-1950	-0.8	2404.998	2403.980	2406.016
	5	10050	4.2	2405.010	2403.992	2406.028
	10	-1350	-0.6	2404.999	2403.983	2406.014
10	0	600	0.2	2405.001	2403.980	2406.021
	2	3300	1.4	2405.003	2403.990	2406.017
	5	2100	0.9	2405.002	2403.988	2406.016
	10	6150	2.6	2405.006	2403.995	2406.017
0	0	6750	2.8	2405.007	2403.993	2406.021
	2	9900	4.1	2405.010	2403.993	2406.027
	5	19500	8.1	2405.020	2404.005	2406.034
	10	13050	5.4	2405.013	2404.001	2406.025
-10	0	16800	7.0	2405.017	2403.998	2406.036
	2	15300	6.4	2405.015	2403.996	2406.034
	5	26850	11.2	2405.027	2404.007	2406.046
	10	27450	11.4	2405.027	2404.015	2406.040
-20	0	24300	10.1	2405.024	2404.010	2406.039
	2	27900	11.6	2405.028	2404.009	2406.047
	5	29100	12.1	2405.029	2404.010	2406.048
	10	29100	12.1	2405.029	2404.015	2406.044
-30	0	22800	9.5	2405.023	2404.011	2406.034
	2	15750	6.5	2405.016	2404.004	2406.028
	5	14850	6.2	2405.015	2404.006	2406.023
	10	18600	7.7	2405.019	2404.008	2406.029

TEST RESULTS:	Lowest channel
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Frequency stability over Temperature and voltage variations: (Manufacturer specification)

Temperature = 25 °C

Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	11800	4.9	2405.012	2403.999	2406.025
Vmin	4.59	-5000	-2.1	2404.995	2403.990	2406.000

Temperature = 85 °C

Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	-20550	-8.5	2404.979	2403.964	2405.995
Vmin	4.59	-25500	-10.6	2404.975	2403.956	2405.993

Temperature = -40 °C

Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	22765	9.5	2405.023	2404.010	2406.035
Vmin	4.59	25800	10.7	2405.026	2404.013	2406.038

TEST RESULTS:		Middle channel				
<u>Frequency stability over Temperature variations: (ANSI C63.10 specification)</u>						
Temperature (°C)	Time	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
50	0	-34050	-13.9	2444.966	2443.960	2445.972
	2	-26400	-10.8	2444.974	2443.954	2445.993
	5	-31500	-12.9	2444.969	2443.955	2445.982
	10	-34800	-14.2	2444.965	2443.953	2445.978
40	0	-10500	-4.3	2444.990	2443.975	2446.004
	2	-6300	-2.6	2444.994	2443.981	2446.006
	5	-10350	-4.2	2444.990	2443.979	2446.000
	10	-2700	-1.1	2444.997	2443.981	2446.014
30	0	-13950	-5.7	2444.986	2443.966	2446.006
	2	-9900	-4.0	2444.990	2443.970	2446.010
	5	-9900	-4.0	2444.990	2443.973	2446.008
	10	-3450	-1.4	2444.997	2443.980	2446.013
20	0	-16275	-6.7	2444.984	2443.977	2445.990
	2	-8700	-3.6	2444.991	2443.968	2446.014
	5	-3750	-1.5	2444.996	2443.981	2446.011
	10	-7650	-3.1	2444.992	2443.976	2446.009
10	0	32400	13.3	2445.032	2444.016	2446.048
	2	24300	9.9	2445.024	2444.018	2446.031
	5	28500	11.7	2445.029	2444.017	2446.040
	10	25800	10.6	2445.026	2444.019	2446.033
0	0	13950	5.7	2445.014	2444.007	2446.021
	2	23550	9.6	2445.024	2444.015	2446.032
	5	33150	13.6	2445.033	2444.012	2446.054
	10	33750	13.8	2445.034	2444.016	2446.052
-10	0	32100	13.1	2445.032	2444.018	2446.047
	2	35850	14.7	2445.036	2444.020	2446.051
	5	25800	10.6	2445.026	2444.012	2446.040
	10	27750	11.3	2445.028	2444.015	2446.041
-20	0	30150	12.3	2445.030	2444.017	2446.043
	2	21750	8.9	2445.022	2444.012	2446.031
	5	26400	10.8	2445.026	2444.013	2446.039
	10	32258	13.2	2445.032	2444.020	2446.044
-30	0	30150	12.3	2445.030	2444.019	2446.041
	2	26700	10.9	2445.027	2444.011	2446.042
	5	24150	9.9	2445.024	2444.005	2446.043
	10	22200	9.1	2445.022	2444.009	2446.035

TEST RESULTS:	Middle channel					
<u>Frequency stability over voltage variations:</u> (Manufacturer specification)						
Temperature = 25 °C						
Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	-19200	-7.9	2444.981	2443.966	2445.996
Vmin	4.59	-11250	-4.6	2444.989	2443.968	2446.009
Temperature = 85 °C						
Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	-28350	-11.6	2444.972	2443.960	2445.983
Vmin	4.59	-39450	-16.1	2444.961	2443.944	2445.977
Temperature = -40 °C						
Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	21345	8.7	2445.021	2444.021	2446.022
Vmin	4.59	27500	11.2	2445.028	2444.023	2446.032

TEST RESULTS:		Highest channel				
<u>Frequency stability over Temperature variations: (ANSI C63.10 specification)</u>						
Temperature (°C)	Time	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
50	0	26700	10.8	2480.027	2479.009	2481.044
	2	27750	11.2	2480.028	2479.007	2481.049
	5	35100	14.2	2480.035	2479.013	2481.057
	10	27000	10.9	2480.027	2479.016	2481.038
40	0	-4800	-1.9	2479.995	2478.980	2481.010
	2	-10050	-4.1	2479.990	2478.969	2481.011
	5	-5700	-2.3	2479.994	2478.983	2481.006
	10	1050	0.4	2480.001	2478.986	2481.016
30	0	-7350	-3.0	2479.993	2478.975	2481.011
	2	-13950	-5.6	2479.986	2478.966	2481.006
	5	-10500	-4.2	2479.990	2478.977	2481.002
	10	-6150	-2.5	2479.994	2478.979	2481.009
20	0	-8250	-3.3	2479.992	2478.977	2481.007
	2	-7950	-3.2	2479.992	2478.974	2481.010
	5	-5400	-2.2	2479.995	2478.979	2481.011
	10	-7050	-2.8	2479.993	2478.981	2481.005
10	0	31650	12.8	2480.032	2479.011	2481.053
	2	27750	11.2	2480.028	2479.007	2481.049
	5	35100	14.2	2480.035	2479.013	2481.057
	10	27900	11.3	2480.028	2479.009	2481.047
0	0	26700	10.8	2480.027	2479.009	2481.044
	2	33000	13.3	2480.033	2479.010	2481.056
	5	27225	11.0	2480.027	2479.021	2481.034
	10	29700	12.0	2480.030	2479.013	2481.046
-10	0	18300	7.4	2480.018	2478.999	2481.038
	2	40800	16.5	2480.041	2479.020	2481.062
	5	27000	10.9	2480.027	2479.016	2481.038
	10	29250	11.8	2480.029	2479.010	2481.048
-20	0	29400	11.9	2480.029	2479.010	2481.042
	2	33000	13.3	2480.033	2479.007	2481.059
	5	21750	8.8	2480.022	2479.014	2481.029
	10	26250	10.6	2480.026	2479.011	2481.041
-30	0	19650	7.9	2480.020	2478.998	2481.042
	2	18750	7.6	2480.019	2479.001	2481.037
	5	24600	9.9	2480.025	2479.009	2481.040
	10	28800	11.6	2480.029	2479.014	2481.043

TEST RESULTS:		Highest channel				
<u>Frequency stability over voltage variations:</u> (Manufacturer specification)						
Temperature = 25 °C						
Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	-5075	-2.0	2479.995	2478.979	2481.011
Vmin	4.59	-7950	-3.2	2479.992	2478.980	2481.005
Temperature = 85 °C						
Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	-29700	-12.0	2479.970	2478.950	2480.990
Vmin	4.59	-27150	-10.9	2479.973	2478.949	2480.997
Temperature = -40 °C						
Battery Supply voltage	Voltage (V)	Frequency Error (Hz)	Frequency Error (ppm)	Frequency Center (MHz)	Frequency Low (MHz)	Frequency High (MHz)
Vmax	6.21	13230	5.3	2480.013	2479.016	2481.010
Vmin	4.59	21300	8.6	2480.021	2479.017	2481.025

TEST A.2: EQUIVALENT ISOTROPICALLY RADIATED POWER (E.I.R.P.)

LIMITS

§15.247(b)(3) and RSS-247 5.4(d): For systems using digital modulation in the 2400-2483.5 MHz band: 1 watt (30 dBm).

RSS-247 5.4(d): The e.i.r.p. shall not exceed 4 W (36 dBm)

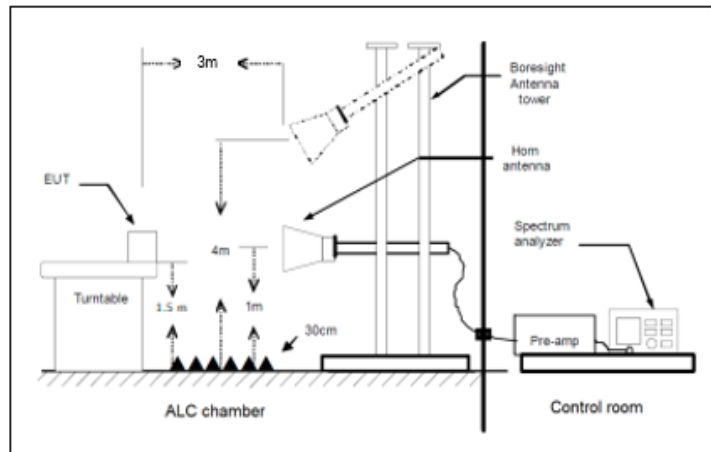
TEST SETUP

All radiated tests were performed in a semi-anechoic chamber. The measurement antenna is situated at 3 m for the frequency range 1-18 GHz Double ridge horn antenna.

The equipment under test was set up on a non-conductive platform above the ground plane and the situation and orientation was varied to find the maximum radiated emission. It was also rotated 360° and the antenna height was varied from 1 to 4 meters to find the maximum radiated emission.

Measurements were made in both horizontal and vertical planes of polarization.

The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.






TESTED SAMPLES:	BRFM Single port
TESTED CONDITIONS MODES:	Pre-scan to determine worst DUT orientation
TEST RESULTS:	See followings

The following table shows the measured fundamental signal levels at 2405 MHz with the three different DUT orientations and following the pre-scan process:

- Rotating the DUT from 0-360 degrees (turntable).
- Moving RX antenna from 1-4m in boresight mode according to ANSI 63.10 (horizon to 45 degrees).

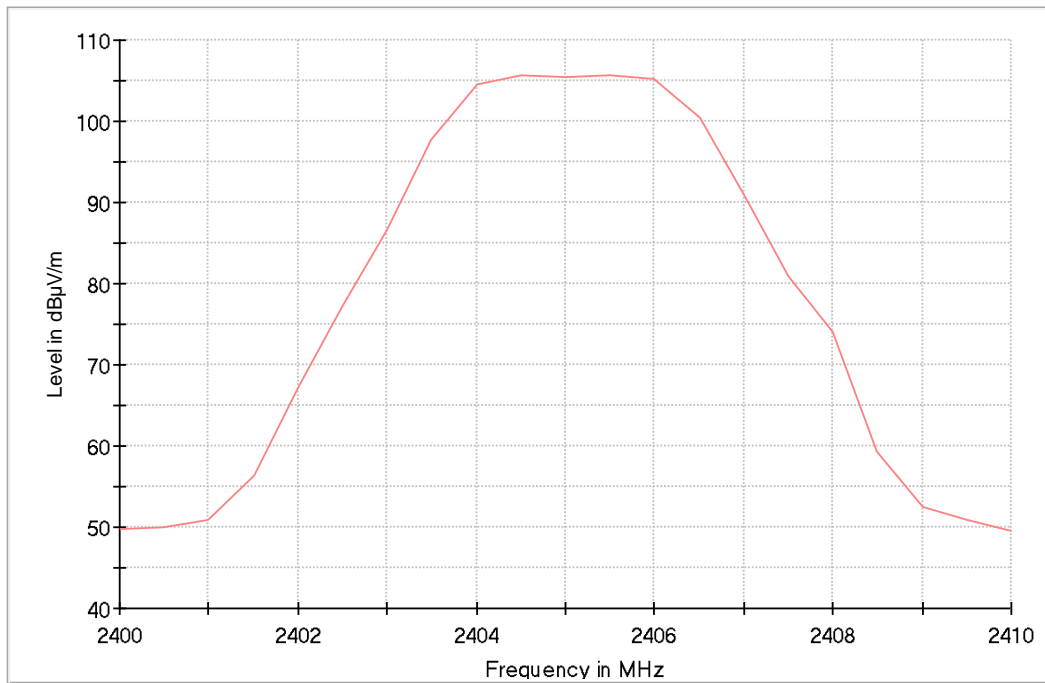
DUT Orientation	PK+_MAXH (dBμV/m)	PK+_MAXH (dBm)
Orientation X*	105.7	10.5
Orientation Y	104.3	9.1
Orientation Z	103.2	8.0

*Worst case DUT orientation selected

Orientation X	Orientation Y	Orientation Z
		

TESTED SAMPLES:	S/02
TESTED CONDITIONS MODES:	TC#01
TEST RESULTS:	PASS

Lowest channel



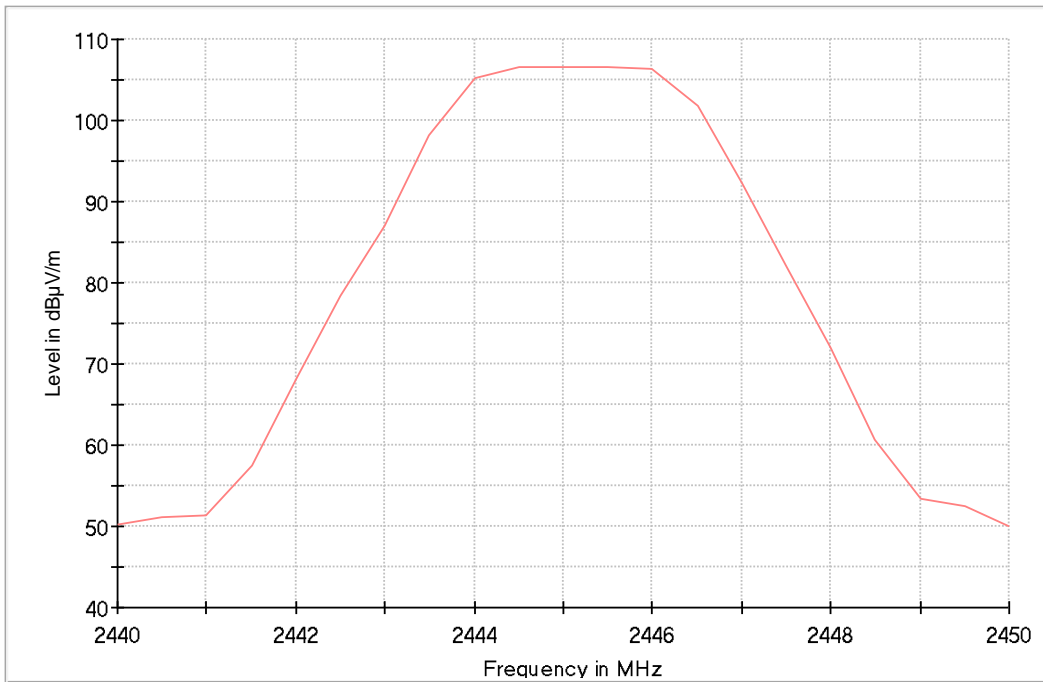
— PK+_MAXH

Frequency (MHz)	PK+_MAXH (dBµV/m)	PK+_MAXH (dBm)	Pol
2404.500000	105.7	10.5	H

EIRP (dBm) = E (dBµV/m) + 20log(D) - 104.8; where D is the measurement distance in meter

TEST RESULTS (Cont.):

Middle channel

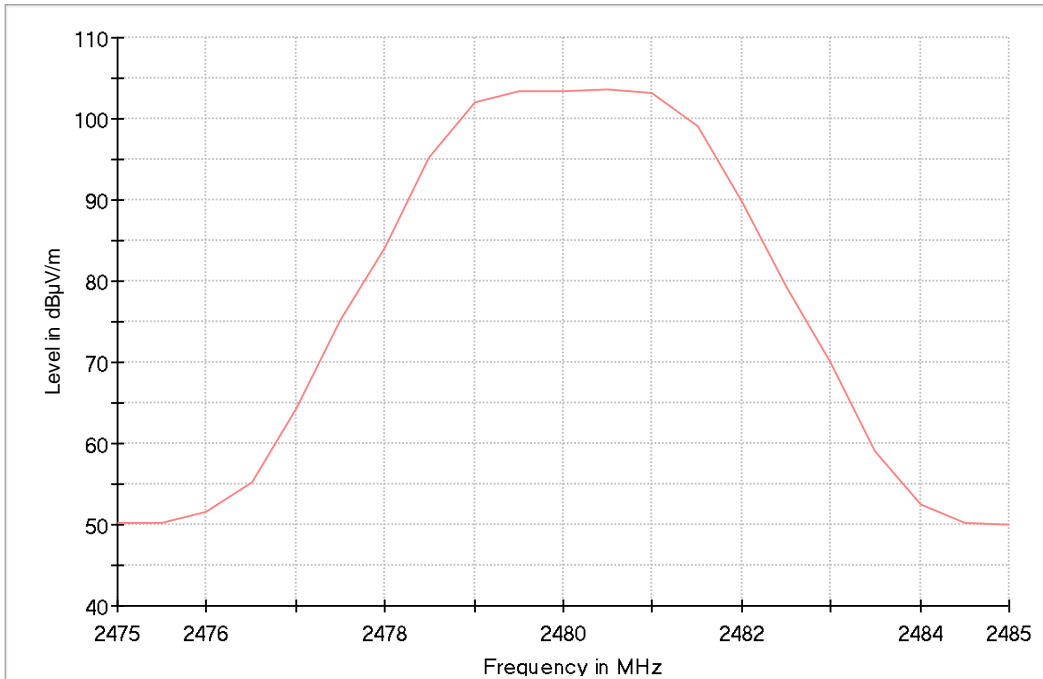


— PK+_MAXH

Frequency (MHz)	PK+_MAXH (dBµV/m)	PK+_MAXH (dBm)	Pol
2445.000000	106.5	11.3	H

TEST RESULTS (Cont.):

Highest channel



— PK+_MAXH

Frequency (MHz)	PK+_MAXH (dBµV/m)	PK+_MAXH (dBm)	Pol
2480.000000	103.3	8.1	H

Appendix B: Photographs

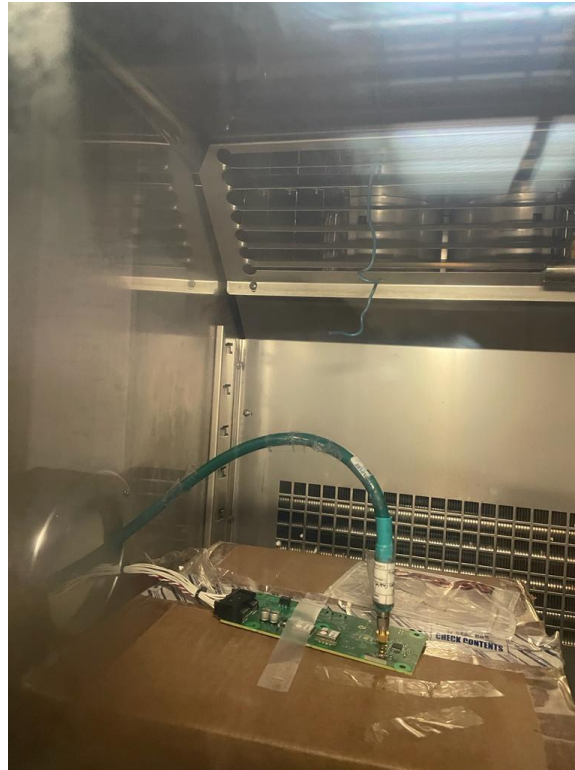


Figure B1: Conducted Frequency stability setup in Climatic chamber



Figure B2. EIRP Radiated Test Setup