LABORATORIUM VOOR OMGEVINGSMETINGEN
LABORATOIRE D'ESSAIS D'ENVIRONNEMENT
ENVIRONMENTAL TEST LABORATORIA

NOTIFIED BODY (NB2758) UNDER EU-DIRECTIVE 2014/30/EU	041-TEST
ACCREDITED FOR NBN EN ISO 17025 BY BELAC 041-TEST - ISO17025	
RECOGNISED TESTING AUTHORITY FOR AUSTRALIA	
CONFORMITY ASSESSMENT BODY MRA US-EU SECTORAL ANNEX EMC (FCC)	

TESTREPORT

Product	Sensor Dot
Standard	FCC part 15 subpart c
Test Report	PCC-RAD-5477
LDN Number	LDN4551
Date of issue	2022-03-14
Edition	02

Office: Laboratoria De Nayer vzw.
Jan De Nayerlaan 9, B-2860 Sint-Katelijne-Waver, Belgium – Tel. +32 (0)15 30 54 00– Fax +32 (0)15 32 1212
http://www.labodenayer.be – VAT 415.895.616 – KBC 414-0164451-72

Contents

SECTION 1: IDENTIFICATION OF THE TEST LABORATORIA 3
SECTION 2: CUSTOMER INFORMATION AND DATES 4
SECTION 3: EQUIPMENT UNDER TEST (E.U.T.) 5
SECTION 4: TEST SPECIFICATIONS AND TEST METHODS 8
SECTION 5: OPERATION OF EUT DURING TESTING 9
SECTION 6: SUMMARY OF TEST RESULTS 10
SECTION 7: DETAILED TEST RESULTS 11
SECTION 8: MEASUREMENT UNCERTAINTIES 38
SECTION 9: PHOTOGRAPHS OF EQUIPMENT AND TEST SET-UP 39
SECTION 10: ADDITIONAL INFORMATION GIVEN BY THE CUSTOMER 41
SECTION 11: MODIFICATIONS OF EUT 42
SECTION 12: HISTORY OF THE TEST REPORT 42
SECTION 13: ACCREDITATION CERTIFICATE 44

This Test Report contains 45 pages

SECTION 1: IDENTIFICATION OF THE TEST LABORATORIA

LABORATORIA DE NAYER Product Certification Centre (PCC)	
J.De Nayerlaan 9 B-2860 St.-Katelijne-Waver Belgium Tel: +32 (0) 15 30 54 00 Fax: +32 (0) 15 32 1212	Direct phone numbers and e-mail address: (Test engineer) J. De Vos +32(0)15 30 54 04 j.de.vos@labodenayer.be

TEST LABORATORY RESPONSIBILITIES			
Function	**Name(s)**	**Date**	**Signature**
Test Operator	Jan De Vos Jochen Geens (trannie)	2021-10-28	
Author Report	Jan De Vos	2022-03-14	
Technical Expert	ir. Filip Nauwelaerts	2022-03-14	

041-TEST – ISO17025

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The results refer to the described sample or equipment under test only.

Neither the accredited status of Laboratoria De Nayer v.z.w., nor this test report implies that the sample or equipment under test is approved by BELAC or any other establishment.

In case the customer wants to refer to his appeal to our accredited laboratories, he will use the following orequivalent sentence: “Tested by Laboratoria De Nayer, E.M.C.department, accredited by BELAC for EMC-immunity and EMC-emission under registration number 041-TEST”.

SECTION 2: CUSTOMER INFORMATION AND DATES

CUSTOMER INFORMATION	
Company name:	Byteflies N.V.
Address:	Borsbeekbrug 22, 6th floor
	B 2600 Antwerpen
Contact person:	Niels Van Thienen
E-mail:	niels.vanthienen@byteflies.com

DATES	
Receipt of the EUT:	2021-08-30
Start of tests:	2021-09-08
End of tests:	2021-09-27

SECTION 3: EQUIPMENT UNDER TEST (E.U.T.)

The correctness of the description and identification of the equipment under test, its operating conditions, possible modifications and monitoring of its behaviour during and/ or after the test conditions generated by the De Nayer Environmental Test Laboratory are under the responsibility of the customer.

IDENTIFICATION OF THE E.U.T.

Intended use:	The Byteflies Kit is a multisensor device intended to collect non-invasive physiological and behavioral signals to be used in the clinic and/or home for Users that need continuous monitoring.
Manufacturer:	Byteflies NV
Marketing name:	Sensor Dot
Model / Type:	Sensor Dot (2103)
Software Version:	hw-dot-bletest@0942eda6aab52f04fff25949f9ec2c97439f401f
used frequency range:	BLE: 2400 - 2483 MHz
Used modulation types :	GMSK, no hopping applied
Used antenna:	2450AT43A100E 2.45GHz SMD ANTENNA
Serial Number:	R4 : radiated C1 : conducted
FCC-ID number:	---

Illustrations: (Equipment under test)

Photo : EUT front

Photo : rear

photo internal :

SECTION 4: TEST SPECIFICATIONS AND TEST METHODS

Applied Tests or Technical Standards		
Emission:		
Test or Technical Standard	Title	
FCC CFR47 part 15	Code of Federal Regulations , part 15 , Subpart C , intentional Radiators	BELAC
ANSI C63.10 (2013)	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices	BELAC
KDB558074 D01 v05r02	GUIDANCE FOR PERFORMING COMPLIANCE MEASUREMENTS ON DIGITAL TRANSMISSION SYSTEMS (DTS) OPERATING UNDER §15.247	

(*) if the log BELAC is mentioned, the measurement is under accreditation : 041-TEST – ISO17025

MRA : between E.C. and USA : CAB (EMC) [designation number BE0002] date of validation 15.01.2002

Equipment Classifications

Field Strength Calculation.

The field strength is calculated in the receiver , for conducted emission on the mains LISN-2line is selected , for spurious radiated emission the LDNRE_band-CD (30-1000MHz) and LDNRE_FCChigh(>1GHz) is selected

LISN-2line is the Transducer Factor for the LISN (combination of the attenuation of the LISN and cable in the range 150kHz-30MHz)

LDNRE_band-CD is the Transducer factor for the bilog antenna (combination of the AF of the R&S antenna , pre-amplifier and cables in the range 30MHz-1GHz) .

LDNRE_FCChigh is the Transducer factor for the horn antenna (combination of the AF of the horn antenna , pre-amplifier and cables in the range >1GHz.

SECTION 5: OPERATION OF EUT DURING TESTING

The following performance criteria are described in the standard .

Operating modes during testing
The device was configured, depending on the test being done: 1. Continuous TX with configured modulation

SECTION 6: SUMMARY OF TEST RESULTS

6.1Test results of the tests.

emission measurement according to : FCC part 15		
Test §	The EUT complies limits	remarks
§ 15.207 : AC power conducted emissions	--	º
§ 15.247(b) : peak output power / EIRP	pass	
§ 15.247(a) : 6dB and 99% power bandwidth	pass	
§ 15.247 (d): 100kHz bandwidth of frequency band edges	pass	
§ 15.247(d) : spurious emission	pass	
§ 15.247(e) : peak power density	pass	

º : battery operated device

Section 15.19 Labelling requirements.

(3) All other devices shall bear the following statement in a conspicuous location on the device:

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference,
and (2) this device must accept any interference received, including interference that may cause undesired operation.

For certification, the product shall bear a nameplate or label with the FCC Identifier (FCC ID), as defined in Section 2.925. The FCC ID must always be accessible when using the product. The placement of the FCC ID must be a physical label on the product, unless an e-label is used.

SECTION 7: DETAILED TEST RESULTS

7.1. EMISSION TEST

The test has been performed according to the standard: CFR 47 part15 Subpart c.

7.2 CONDUCTED EMISSION TEST : power

CONDITIONS
The equipment was placed at ± cm above the floor. The test has been performed in a shielded room. The conducted emission level was measured with a LISN according to CISPR16/ANSI C36.4 (0.15 MHz - 30 MHz). Test voltage : internal battery Specification reference :C.F.R.47 part 15.207 The upper limit line is the quasi-peak limit line . The lower limit line is the average limit line. Test date : test N.A. , battery operated device
Test equipment :

7.3 peak output power / EIRP

CONDITIONS
peak output power / EIRP Test voltage : internal battery PC : EUT Specification reference :C.F.R.47 part 15.247(b)(3) Test specification : KDB 558074- sec9.1.1 Test date : 2021-09-27
Test equipment : Power sensor : L2061XA , MN : 20180040 Attenuator VAT10 ; MN : 201112546

Maximum Peak Conducted Output Power :
(3) For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt (+30dBm) . As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

The conducted power is the measured power and the correction factor of the attenuator and cable .

Frequency (GHz)	Conducted Power [dBm] /W	Limit [dBm] /W	Margin [dB]
2.402	7.7dBm/5.9mW	30 /1	22.3
2.44	7.4dBm/5.5mW	30 /1	22.6
2.48	7.1dBm/ 5.1mW	30 /1	22.9

Test result	pass

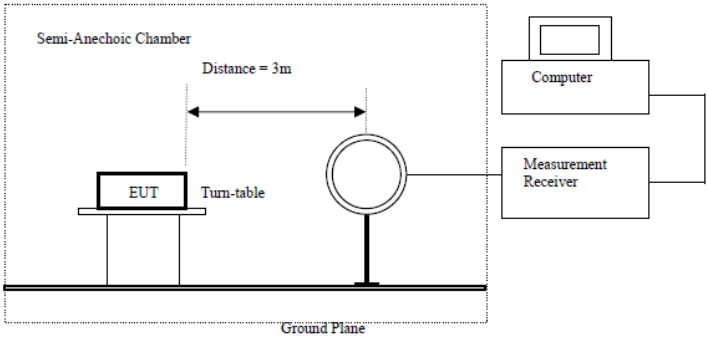
7.4 Spurious emission TEST

CONDITIONS
The equipment was placed in a semi anechoic room (10x6x6) with metal groundplane on the floor. The chamber complies with the ANSI C63.4/5 and CISPR 16. The radiated emission level was measured with a bilog antenna (30-1000MHz) and a horn antenna (f>GHz) . Test f > 1GHz floor absorbers were used . The height of the table is 80cm (9k-1GHz) and 1.5m f>1GHz Test voltage : internal battery Specification reference :C.F.R.47 part 15.247(b) Test specification : ANSI C63.10 section 6.3 and 6.5 (f <1GHz) Test specification : ANSI C63.10 section 6.3 and 6.6 (f> 1GHz) Test specification : KDB 558074- sec 12 The limit line 1 is the quasi-peak limit line . (f <1GHz) The limit line 1 is peak limit and line 2 is average limit (f> 1GHz) Test date : 2021-09-08 and 27
Test equipment Receiver: R&S ESW26; MN: 20180039 Preamp: ZKL: MN: 201112419 Antenna: Chase CBL6111B, MN: 458580 Attenuator: Mini-Circuits 15542, 6dB, MN:20180026 Antenna mast: Maturo AM4.0, MN: 20112341 Turntable: Maturo TT2.0-2t, MN: 20112343 Controller: Maturo MCU, MN: 20112342 Cables: IR32, IR83, IR103, IR120 Antenna: R&S HF906, MN: 2006054 Preamp: LDN PAM3-, MN: 20170072 Preamp: LDN PAM4, MN: 475058 Receiver: R&S ESU40 , MN : 20112350 Antenna : Schwarzbeck BBHA9170 , MN :20170015 Preamp : Schwarzbeck BBV9721 , MN :20170014

Measurement results Radiated emission :

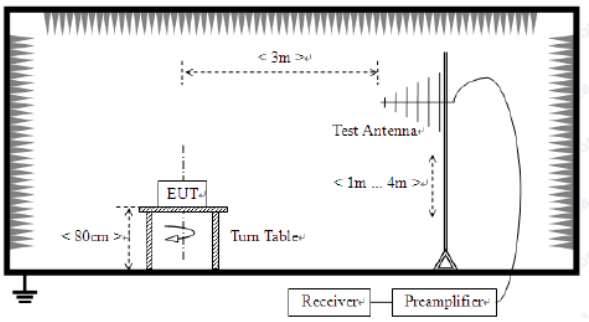
Hardware Setup:	ESW26 RE 9k-30MHz
Receiver:	[ESW 26]
Level Unit:	dBµV/m
TDF :	Correction Table (vertical): HFH2-Z2v
	Correction Table (horizontal): HFH2-Z2v

Subrange	Detectors	IF BW
9kHz – 150kHz	PK+	200Hz
150kHz – 30MHz	PK+	9kHz



Hardware Setup:	ESW26 RE 30M-1G 3m FCC
Receiver:	[ESW26]
Level Unit:	dBµV/m
TDF :	Correction Table (vertical): CBL6111sar
	Correction Table (horizontal): CBL6111sar

Subrange	Step Size	Detectors	IF BW
30 MHz – 1000MHz	62.5 kHz	PK+	120 kHz



Range : 1-6GHz

Hardware Setup:	LDNRE_FCChigh
Level Unit:	dBµV/m
TDF :	Correction Table (vertical): HF906-3m-JAN
	Correction Table (horizontal): HF906-3m-JAN

Subrange	Step Size	Detectors	IF BW
1 GHz- 6 GHz	400kHz	AV	1MHz

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)
2124.00	37.22	74.00	36.8	5.0	1000.000	100.0
2131.20	37.25	74.00	36.7	5.0	1000.000	100.0
2228.80	38.30	74.00	35.7	5.0	1000.000	100.0
2295.60	41.39	74.00	32.6	5.0	1000.000	100.0
2359.20	42.49	74.00	31.5	5.0	1000.000	100.0
2414.80	48.77	74.00	25.2	5.0	1000.000	100.0
2422.40	91.95	74.00	*	5.0	1000.000	100.0
2423.60	91.60	74.00	*	5.0	1000.000	100.0
2432.00	49.18	74.00	24.8	5.0	1000.000	100.0
2486.80	40.44	74.00	33.6	5.0	1000.000	100.0
2487.60	40.28	74.00	33.7	5.0	1000.000	100.0
2738.80	39.95	74.00	34.0	5.0	1000.000	100.0
2766.80	39.65	74.00	34.4	5.0	1000.000	100.0

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
2140.40	23.34	54.00	30.7	5.0	1000.000	100.0	H
2260.00	24.34	54.00	29.7	5.0	1000.000	100.0	H
2295.20	30.79	54.00	23.2	5.0	1000.000	100.0	H
2358.80	35.03	54.00	19.0	5.0	1000.000	100.0	H
2414.00	37.59	54.00	16.4	5.0	1000.000	100.0	H
2422.80	88.89	54.00		5.0	1000.000	100.0	H
2486.80	31.40	54.00	22.6	5.0	1000.000	100.0	H
2550.80	28.35	54.00	25.7	5.0	1000.000	100.0	H
2773.60	25.58	54.00	28.4	5.0	1000.000	100.0	V

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4706.40	45.06	74.00	28.9	5.0	1000.000	150.0	H	345.0
4748.00	44.75	74.00	29.2	5.0	1000.000	150.0	H	120.0
4802.80	48.67	74.00	25.3	5.0	1000.000	150.0	H	315.0

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
4796.80	30.71	54.00	23.3	5.0	1000.000	150.0	H	45.0
4803.20	36.99	54.00	17.0	5.0	1000.000	150.0	H	90.0
4804.80	37.21	54.00	16.8	5.0	1000.000	150.0	H	90.0

Range : 6-18GHz

Hardware Setup:	FCC-RE-6_18
Receiver:	[ESU 40]
Level Unit:	dBµV/m
TDF :	Correction Table (vertical): HF906-3m-JAN
	Correction Table (horizontal): HF906-3m-JAN

Subrange	**Detectors**	**IF BW**
18 GHz- 40 GHz	PK + ; AV	1MHz

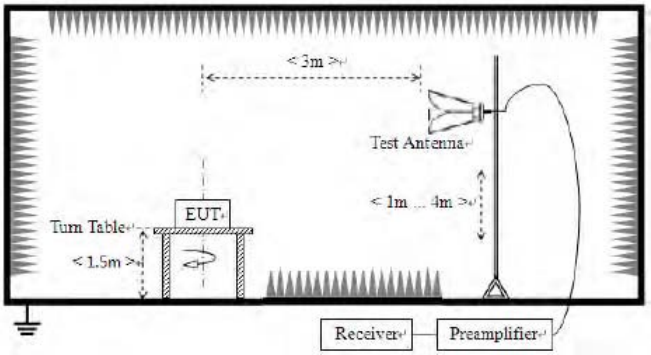
Range : 18-25GHz

Hardware Setup:	FCC-RE-18_40
Receiver:	[ESU 40]
Level Unit:	dBµV/m
TDF :	Correction Table (vertical): BBHA9170_1m
	Correction Table (horizontal): BBHA9170_1m

Subrange	**Detectors**	**IF BW**
18 GHz- 25 GHz	PK + ; AV	1MHz

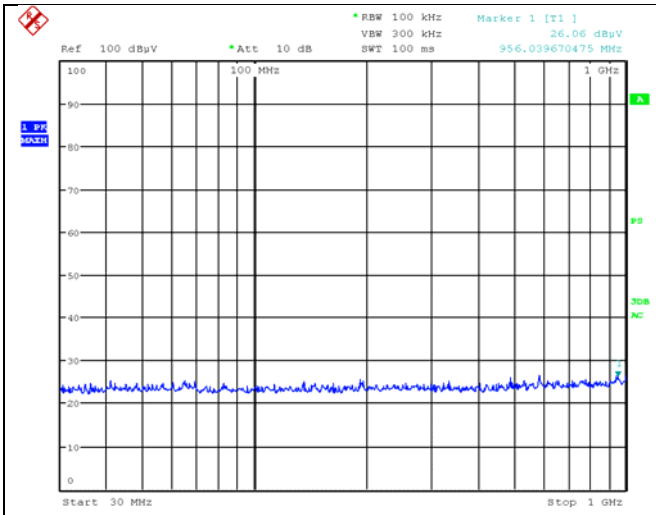
Remark : only noise measured .

Setup : 1-25GHz
distance antenna-EUT is 1m in the range 18-25GHz

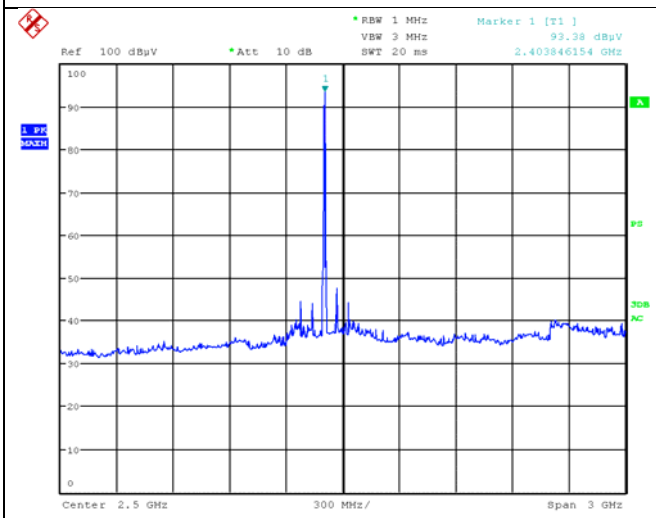


Test result	pass

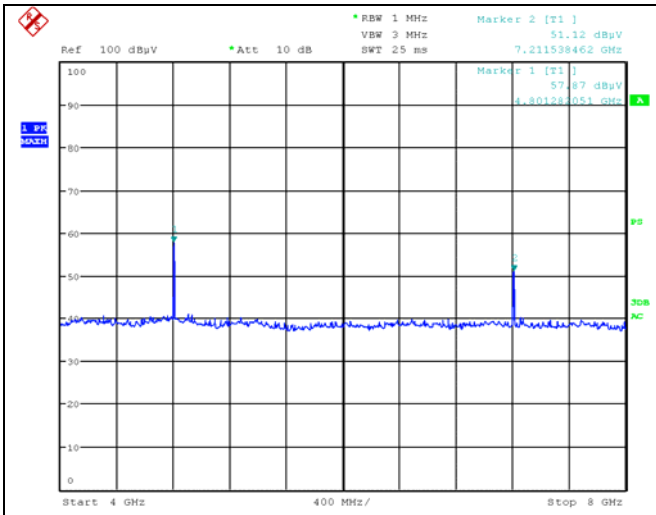
Plot conducted
2402MHz



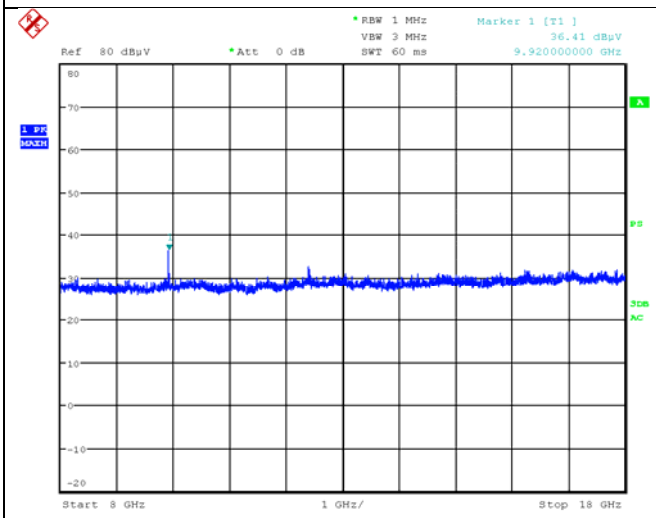
30-1000MHz



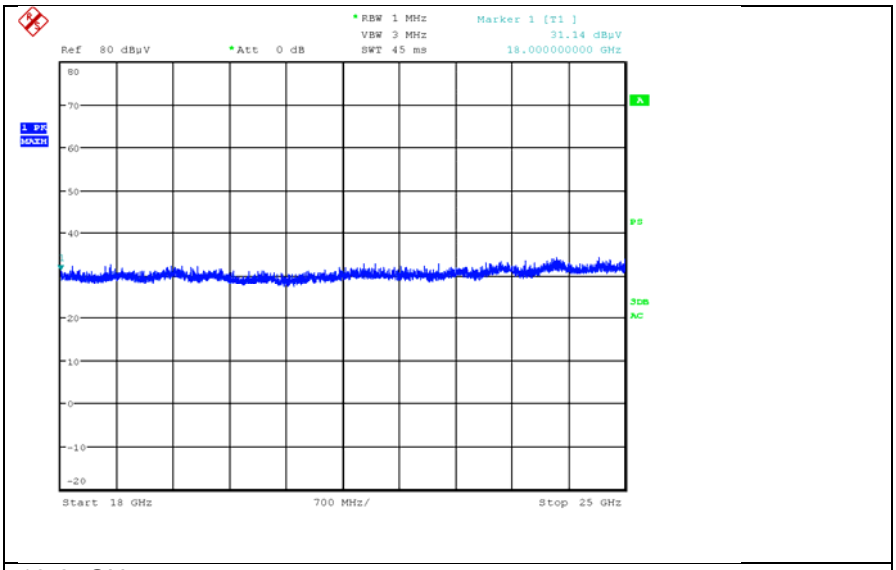
1-4GHz



4-8GHz

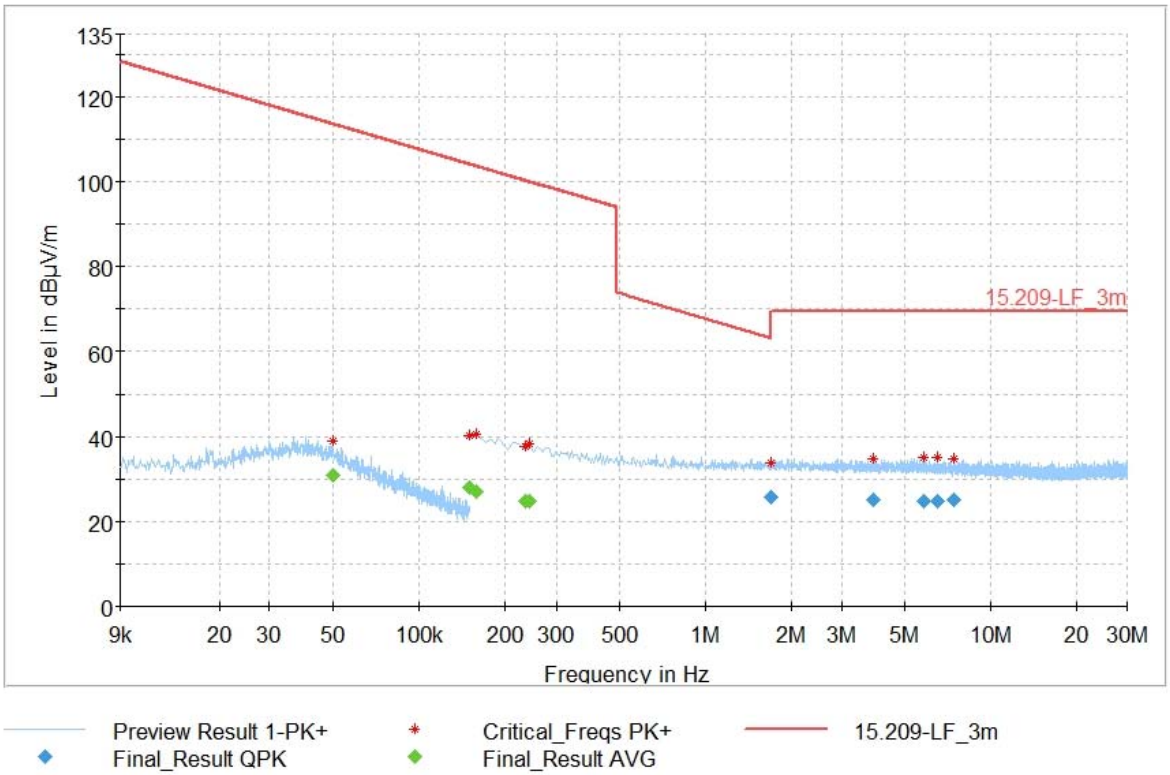


8-18GHz


RBW 1 MHz
VBW 3 MHz
SWT 45 ms
Marker 1 [T1]
31.14 dBµV
18.000000000 GHz
Ref 80 dBµV
Att 0 dB
1 PK
MAXH
A
PS
3DB
AC
80
70
60
50
40
20
10
0
-10
-20
Start 18 GHz
700 MHz/
Stop 25 GHz

18-25GHz

Fig : Radiated emission (9k-30MHz)
0º



90º

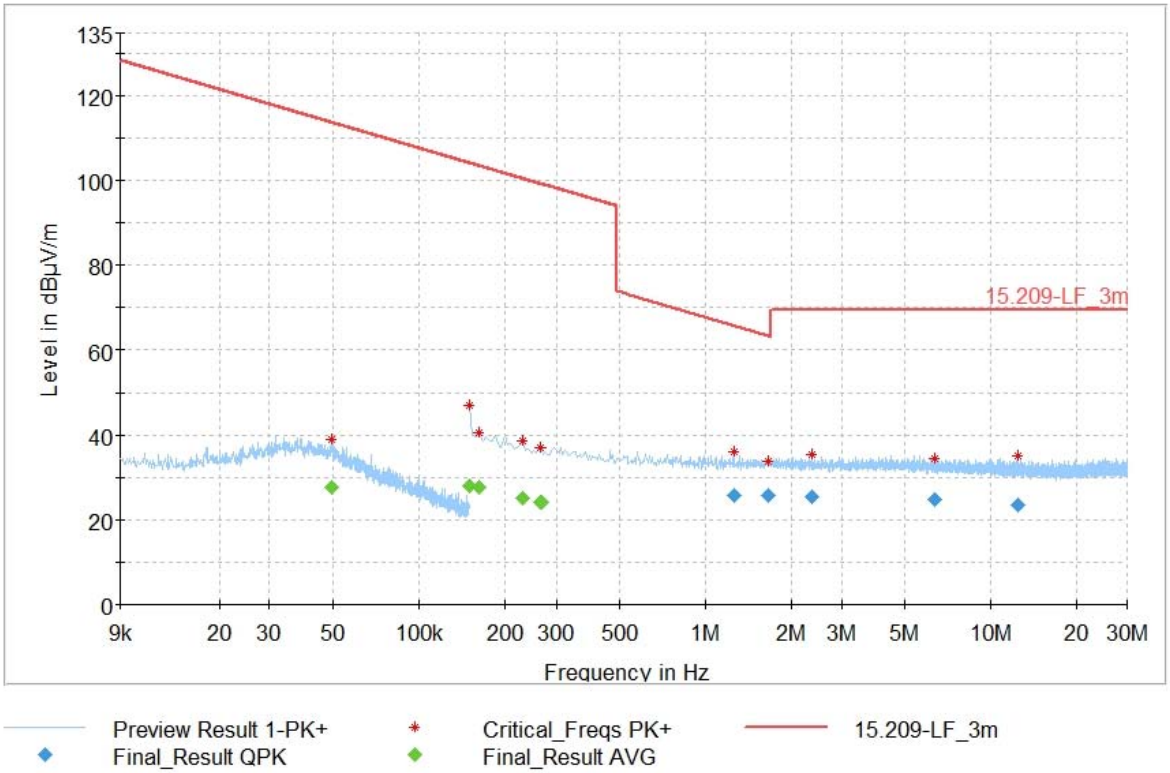


Fig : Radiated emission (30M-1000MHz)

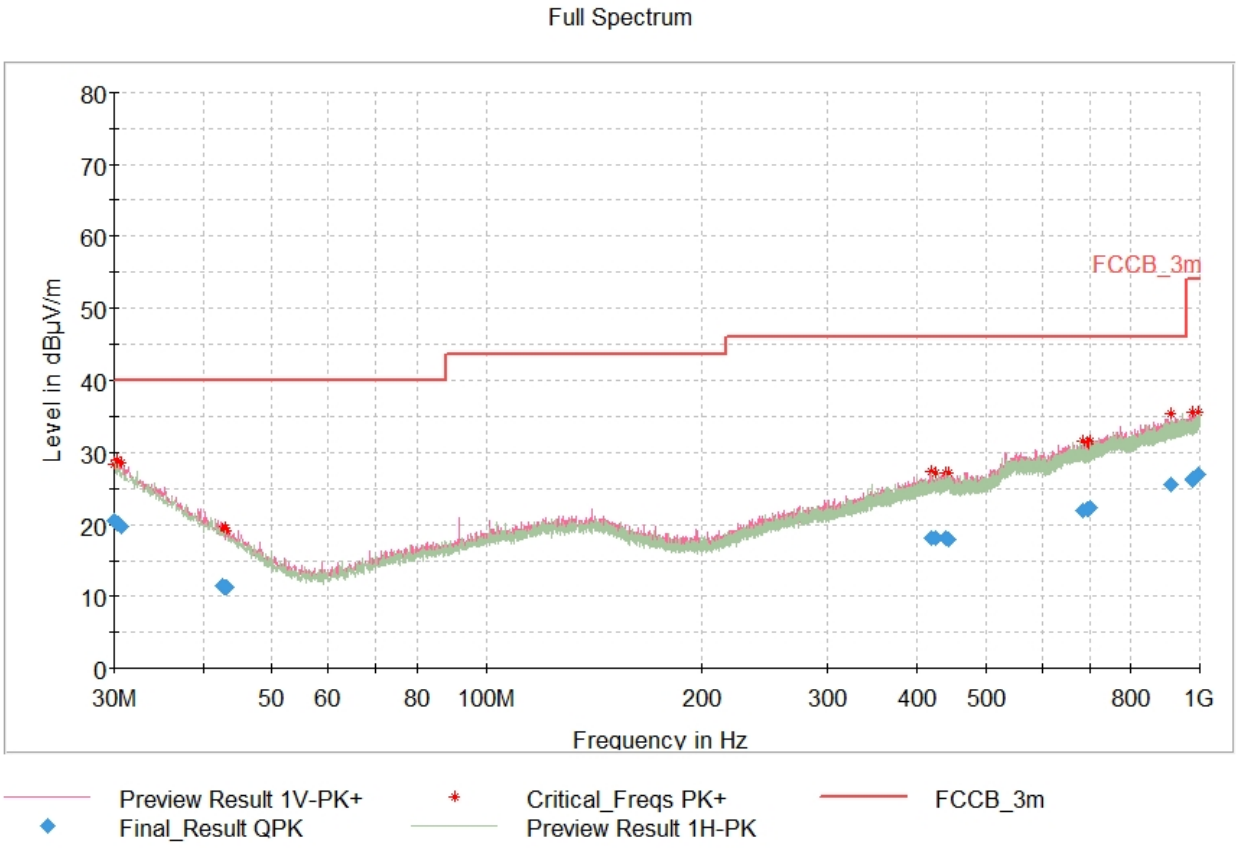


Fig : Radiated emission (1-4GHz)

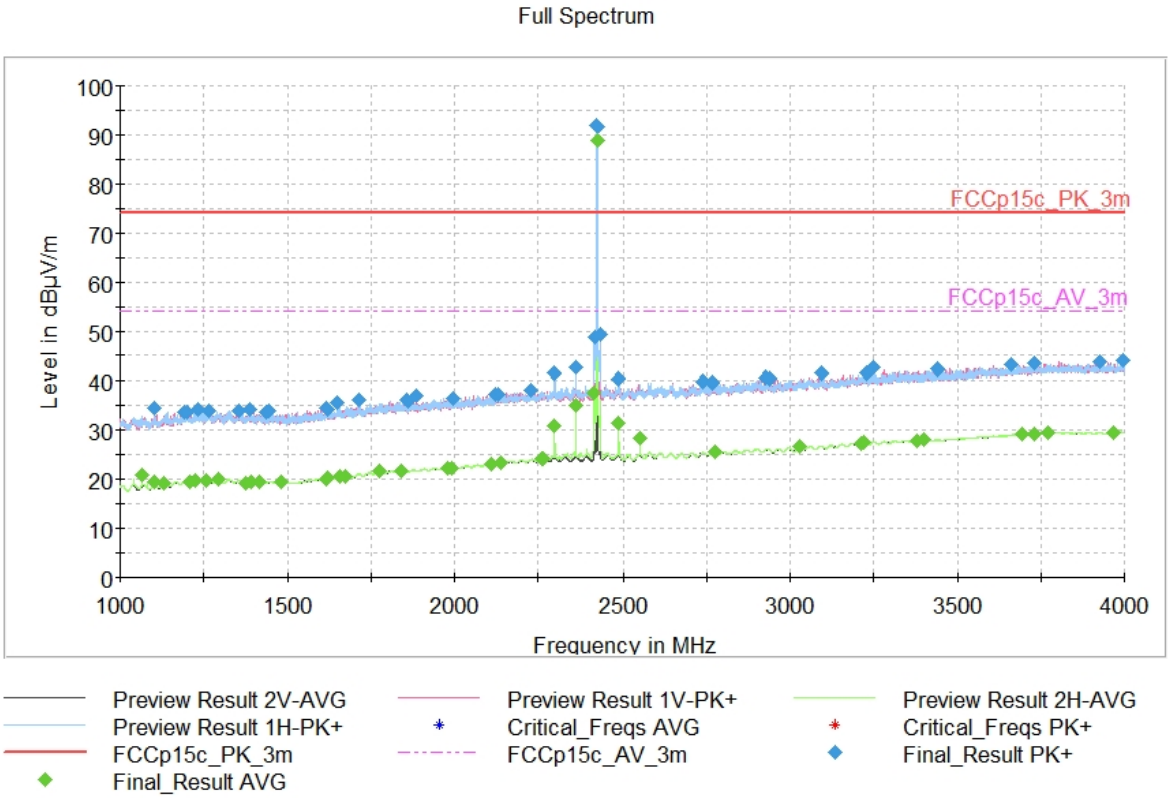


Fig : Radiated emission (4-6GHz)

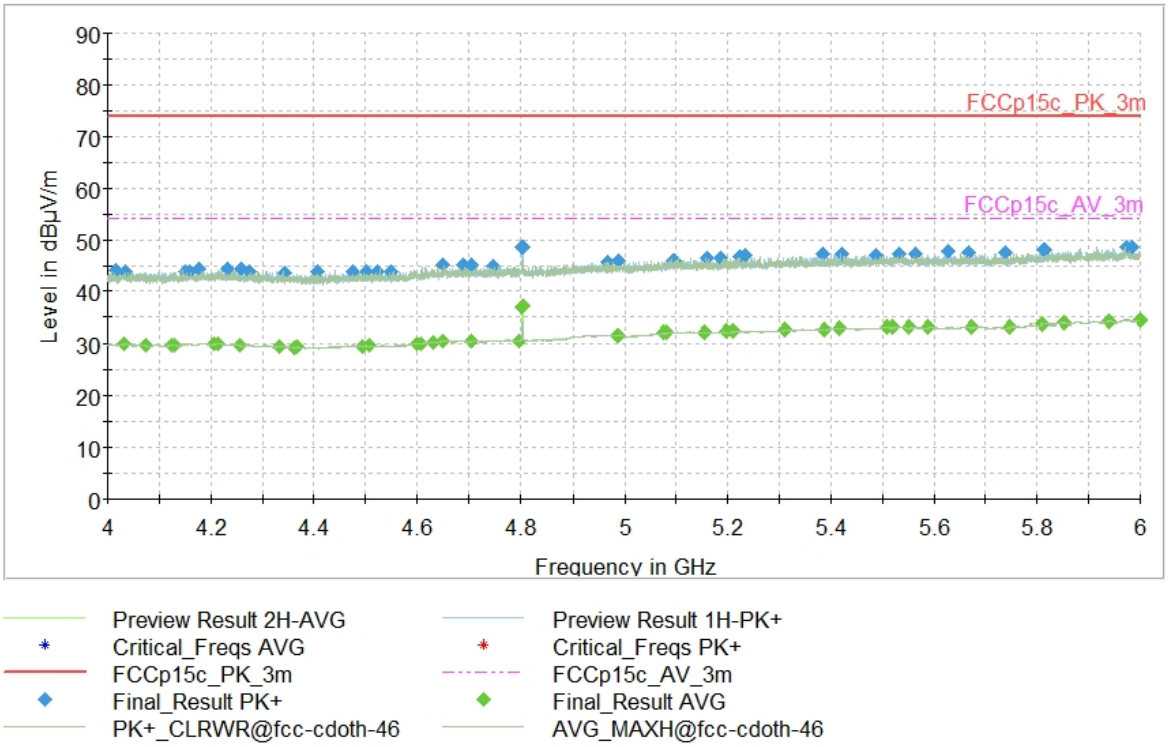


Fig : Radiated emission (6-12GHz)

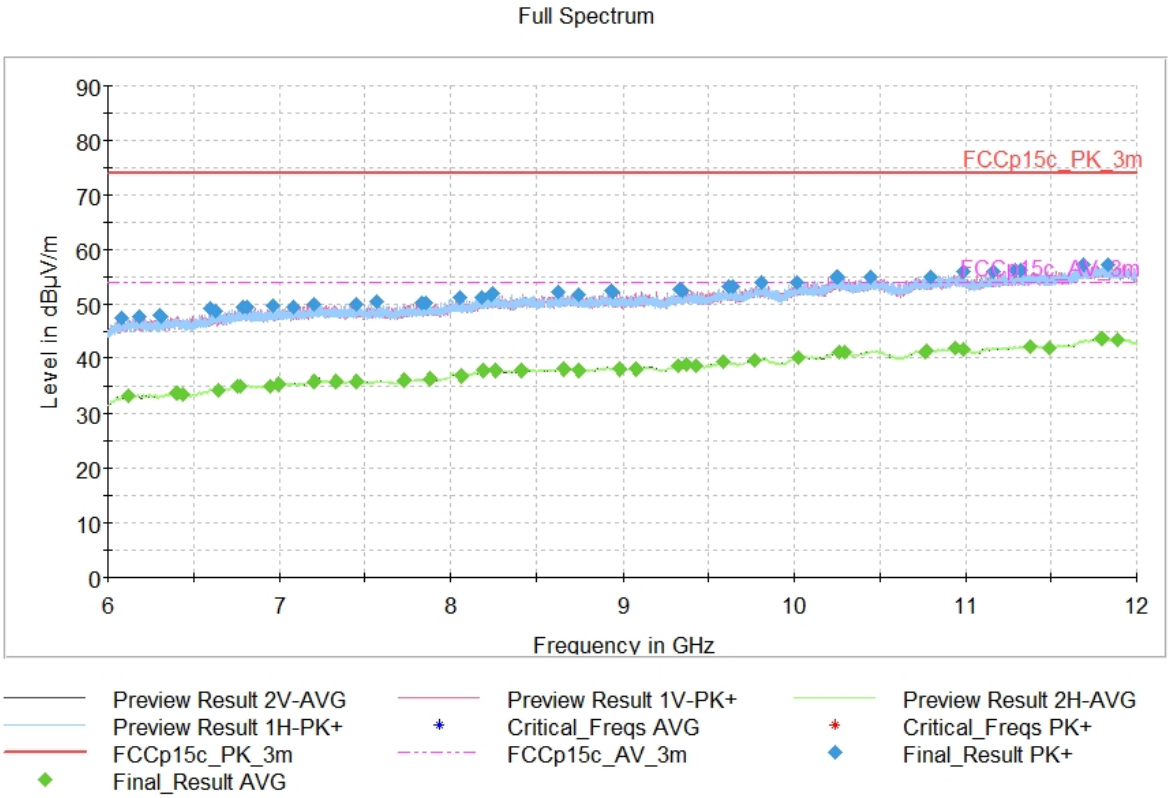


Fig Radiated emission (12-18GHz)

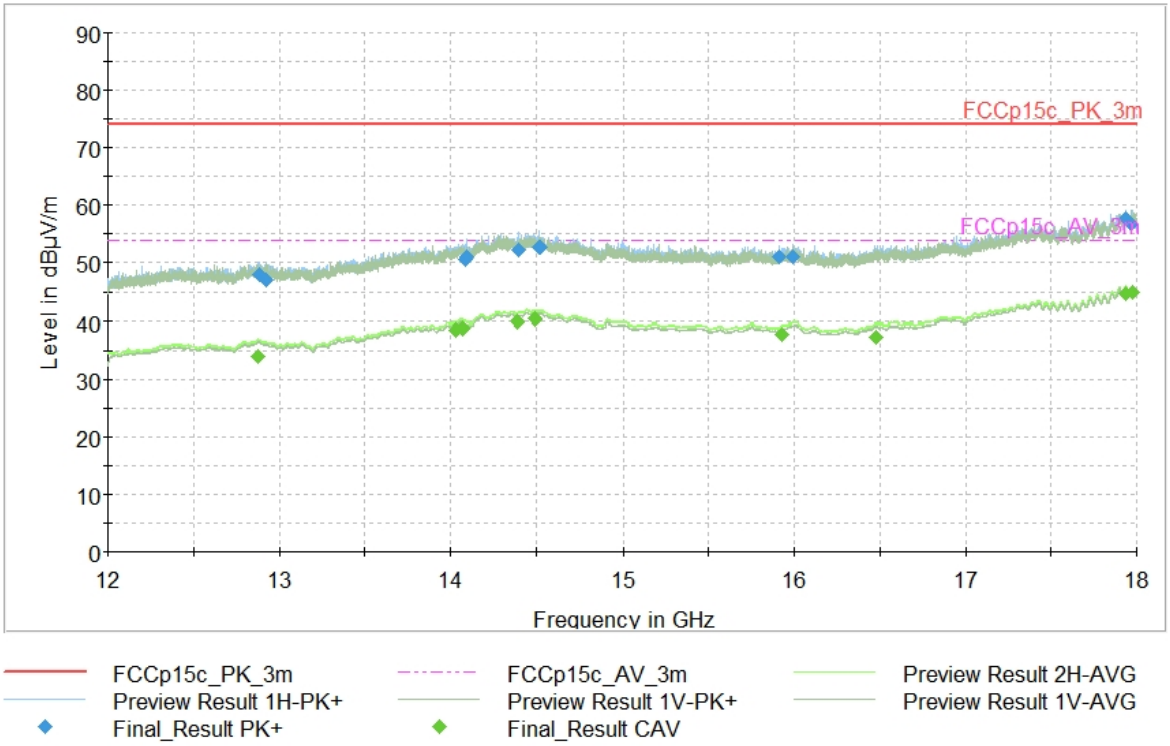
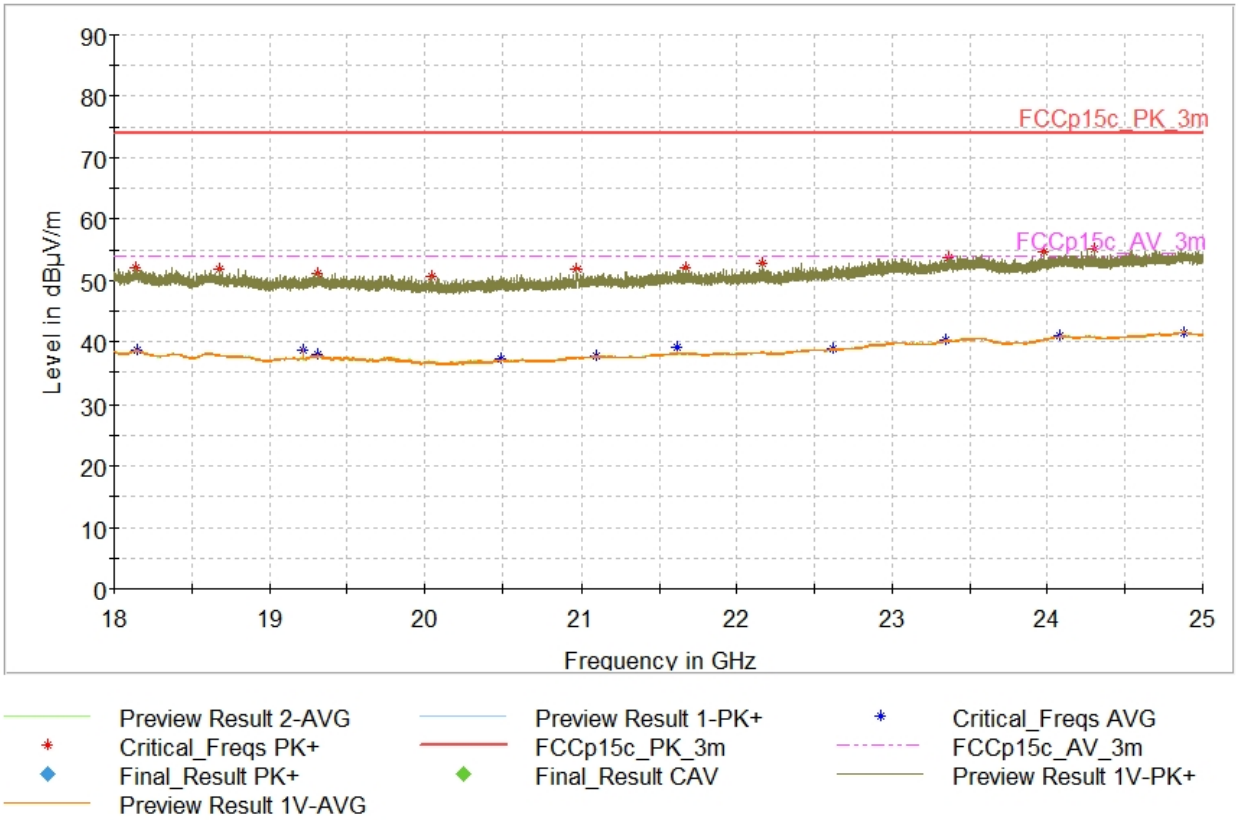


Fig : Radiated emission



7.5 6dB and 99% power bandwidth TEST

CONDITIONS
The EUT was direct connected to the spectrum analyzer (conducted emission) Test voltage : internal battery Test specification : KDB 558074- sec 8.0 option 8.1 ; ANSI C63.10 Specification reference :C.F.R.47 part 15.247(a) Operation under the provisions of this Section is limited to frequency hopping and digitally modulated intentional radiators that comply with the following provisions: (2) Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz. Test date : 2021-09-15
Test equipment : Receiver: R&S ESU40 , MN : 20112350 DC block MCL BLK-89 : , MN : 20180031 Attenuator VAT10 ; MN : 201112546 cable : IR228

Measured 6dB Bandwidth :

Frequency (GHz)	6dB BW (kHz) 1M	6dB BW (MHz) 2M
2.402	724	1.18
2.44	776	1.21
42.48	770	1.22

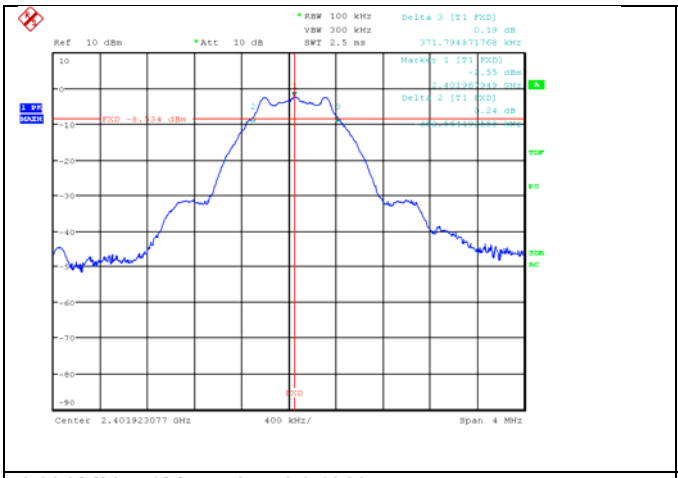
Limits : system using digital modulation techniques : BW > 500kHz

Test result	Pass

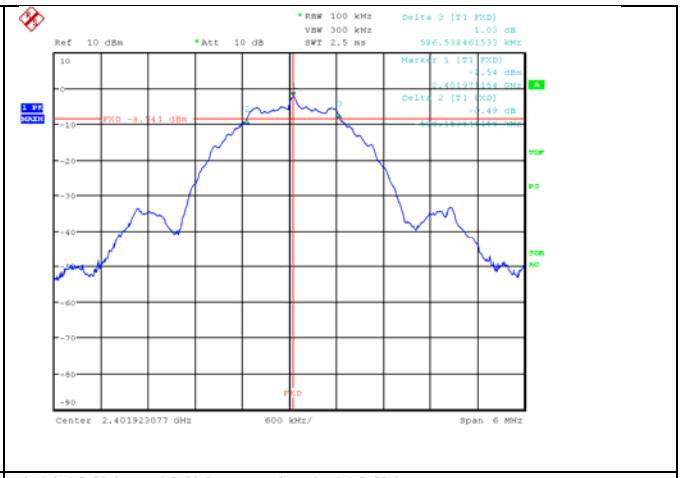
Measured 99% Bandwidth :

Frequency (GHz)	99% OBW (MHz) 1M	99% OBW (MHz) 2M
2.402	1.08	2.08
2.44	1.08	2.08
2.48	1.08	2.09

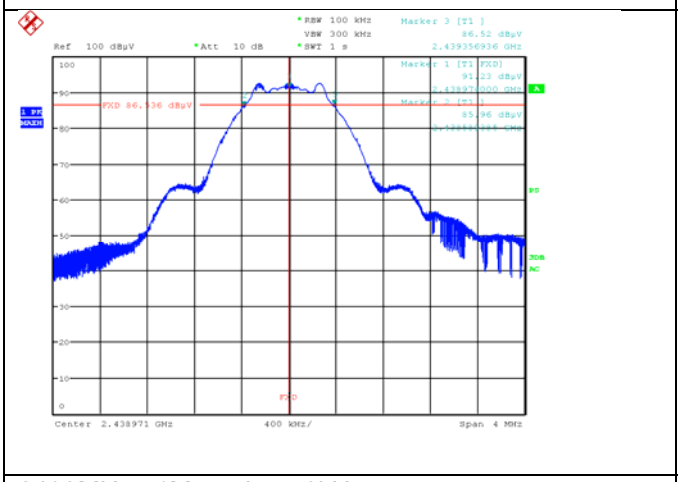
Plot : 6dB bandwidth



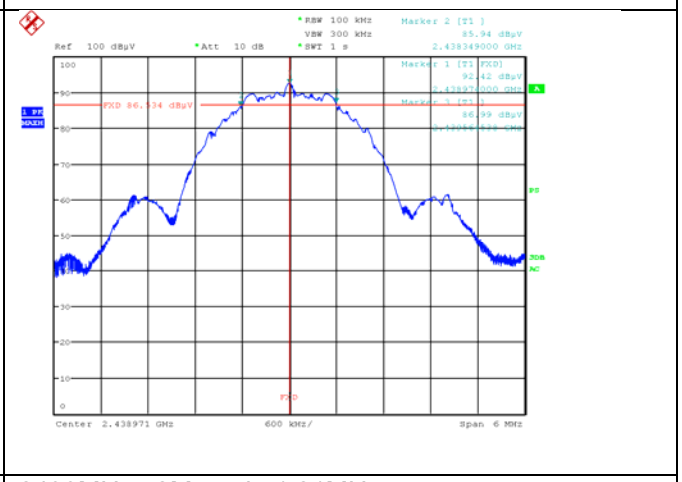
2402MHz ;1M mod : 724.3kHz



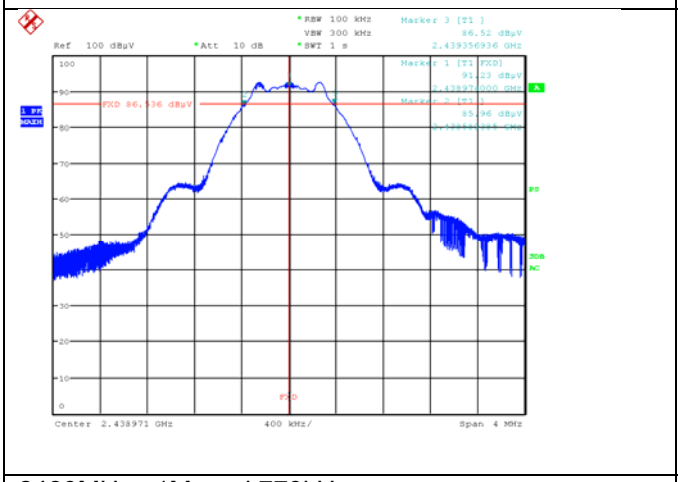
2402MHz ; 2MHz mod : 1.18MHz



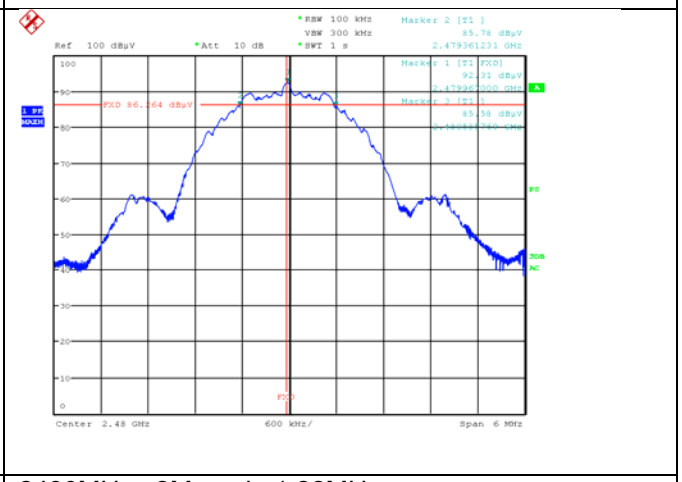
2439MHz ; 1M mod : 776kHz



2439MHz ; 2M mod : 1.21MHz

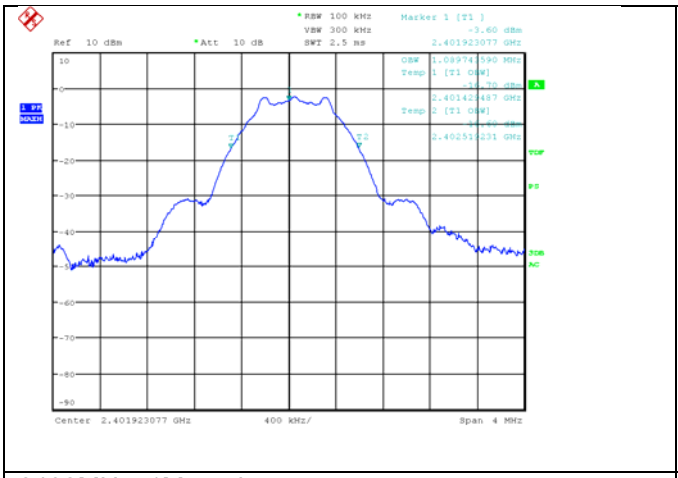


2480MHz ; 1M mod 770kHz

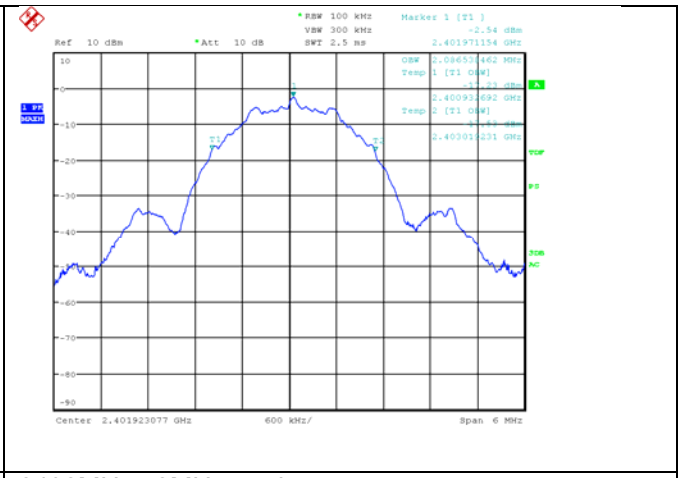


2480MHz ; 2M mod : 1.22MHz

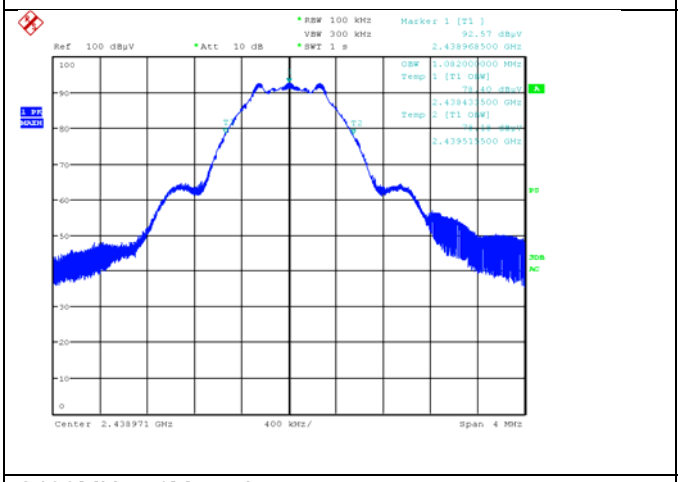
Plot 20dB (99 %)



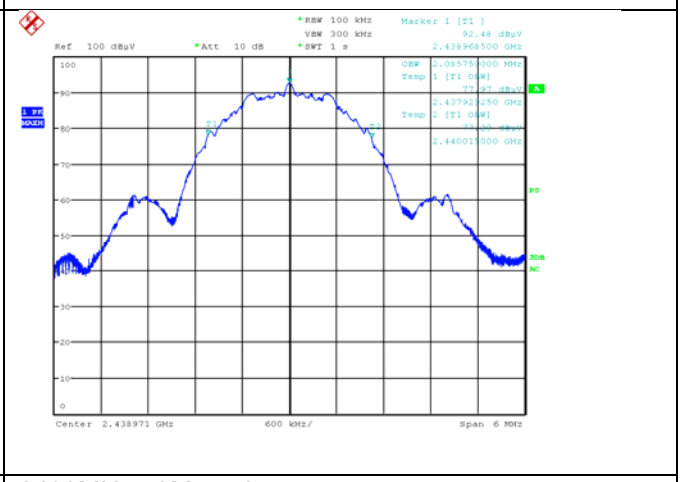
2402MHz ;1M mod



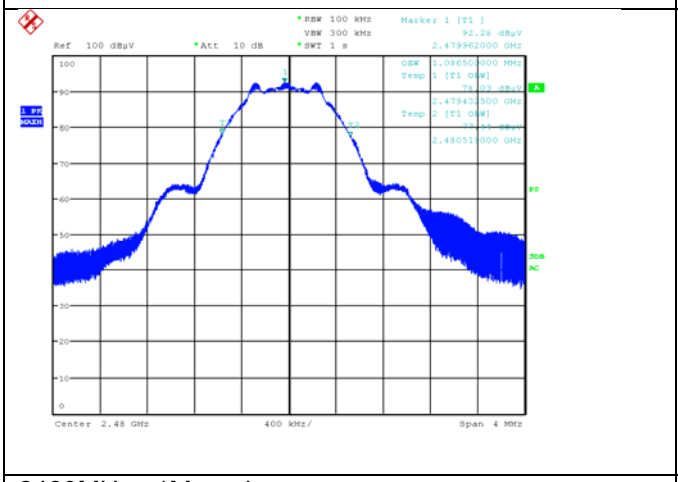
2402MHz ; 2MHz mod



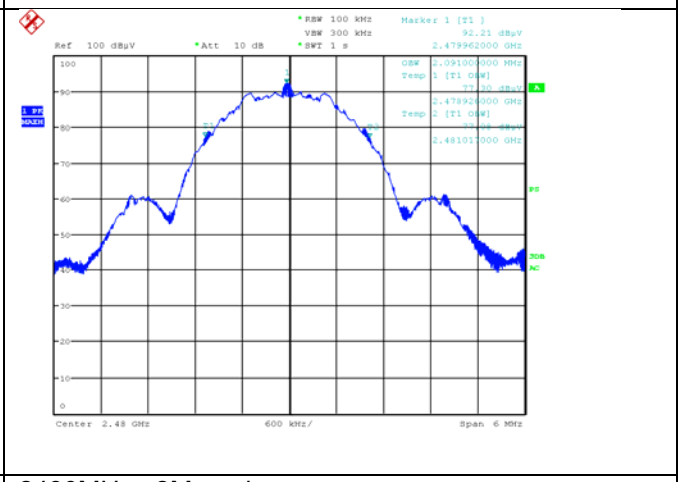
2439MHz ; 1M mod



2439MHz ; 2M mod



2480MHz ; 1M mod



2480MHz ; 2M mod

7.6 Band edge conducted spurious emissions

CONDITIONS
Test specification : ANSI C63.10 section 6.10.4 Test specification : KDB 558074- sec 11.0 and 12.0 Specification reference :C.F.R.47 part 15.247(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). Test date : 2021-09-27
Test equipment : Receiver: R&S ESU40 , MN : 20112350 DC block MCL BLK-89 : , MN : 20180031 Attenuator VAT10 ; MN : 201112546 cable : IR228

Measured 20dB :1M

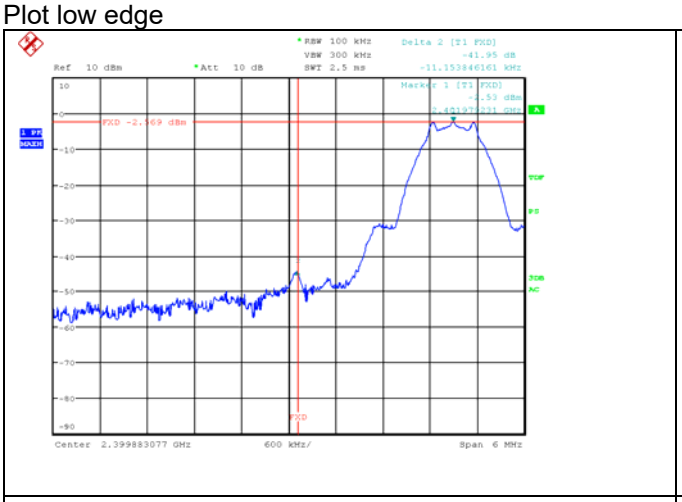
Frequency (GHz)	measured	limit
2.400	-41.9	-20dBc
2.4835	-48.8	-20dBc

Measured 20dB :2M

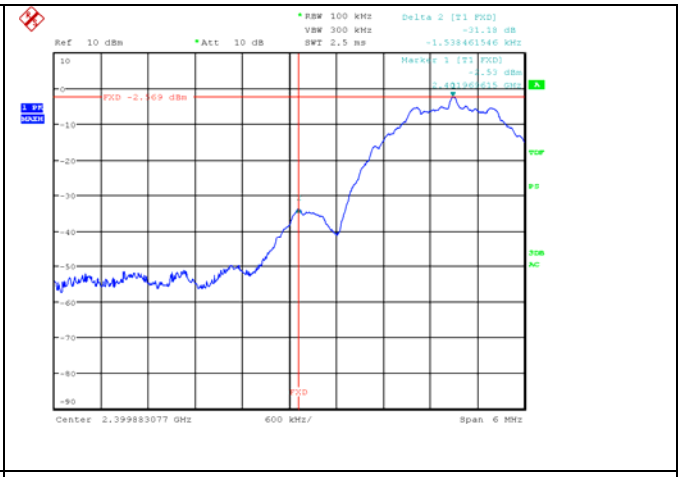
Frequency (GHz)	measured	limit
2.400	-31.1	-20dBc
2.4835	-48.1	-20dBc

Test result	Pass

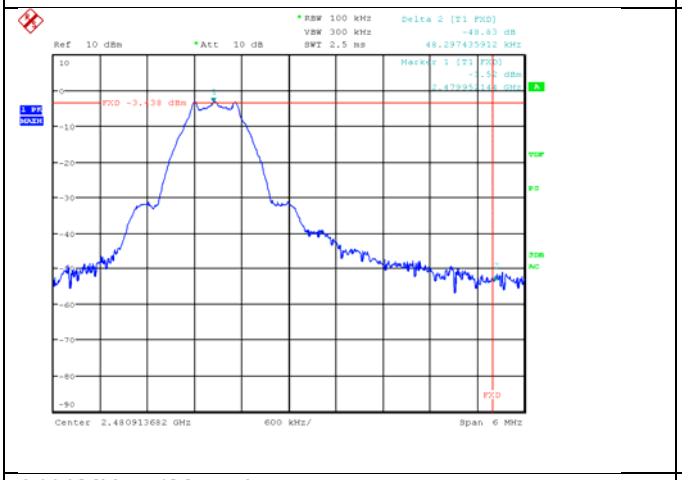
Plot low edge



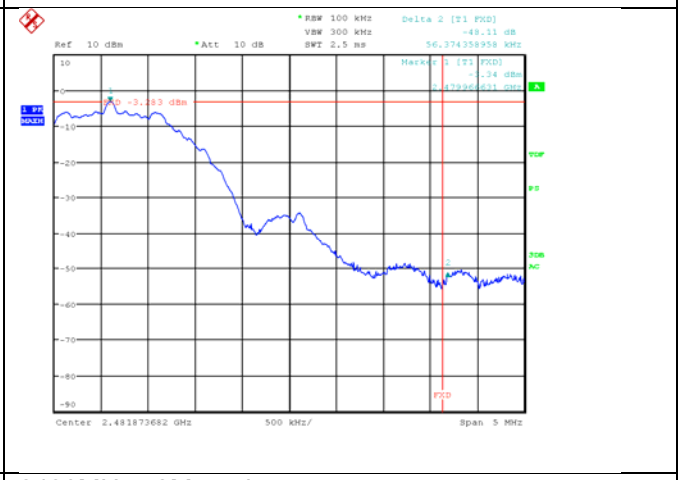
2402MHz : 1M mod



2402MHz : 2M mod



2480MHz ; 1M mod



2480MHz ; 2M mod

7.7 peak power density TEST

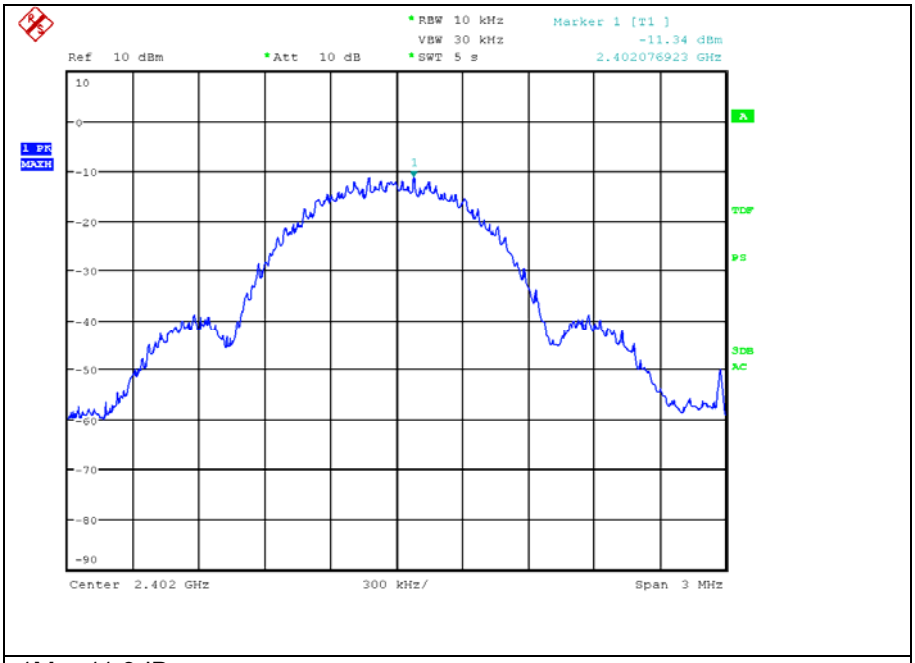
CONDITIONS
PSD : peak power density Standard : ANSI C63.10 section 11.10.2 Test specification : KDB 558074- sec10.2 Specification reference :C.F.R.47 part 15.247(e) (e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density. Test date : 2021-09-27
Test equipment : Receiver: R&S ESU40 , MN : 20112350 DC block MCL BLK-89 : , MN : 20180031 Attenuator VAT10 ; MN : 201112546 cable : IR228

f(MHz)	mod	10kHz	3kHz	limit (dBm)	P/F
2402	1M	-11.3		8	P
2402	2M	-11.3		8	P
2441	1M	-11.6		8	P
2441	2M	-12.6		8	P
2480	1M	-12.1		8	P
2480	2M	-12.8		8	P

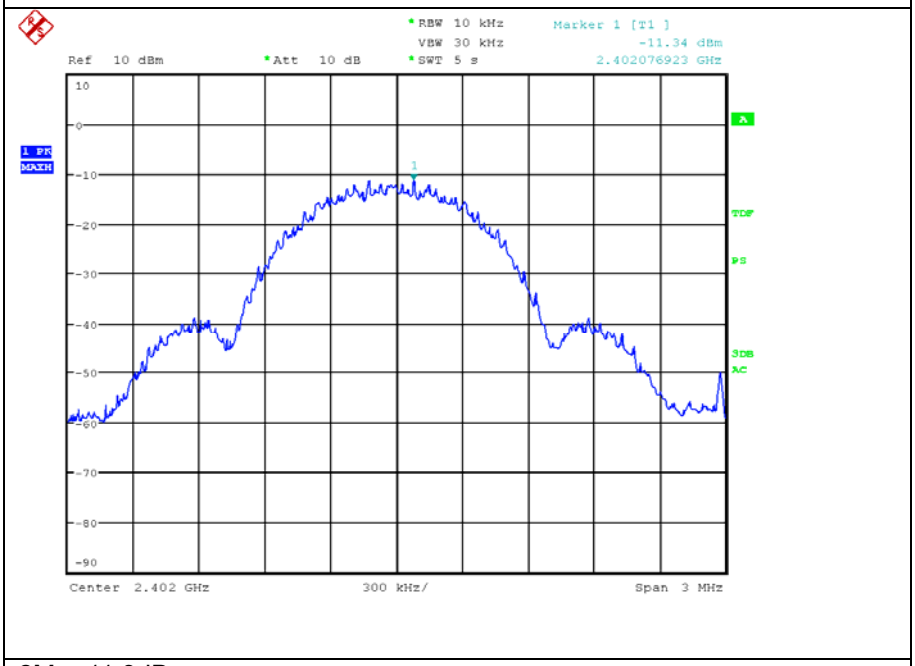
Remark : measurement in 10kHz RBW , due levels < 8dBm no calculation / measurement is done for 3kHz

Test result	Pass

Plot 2402MHz

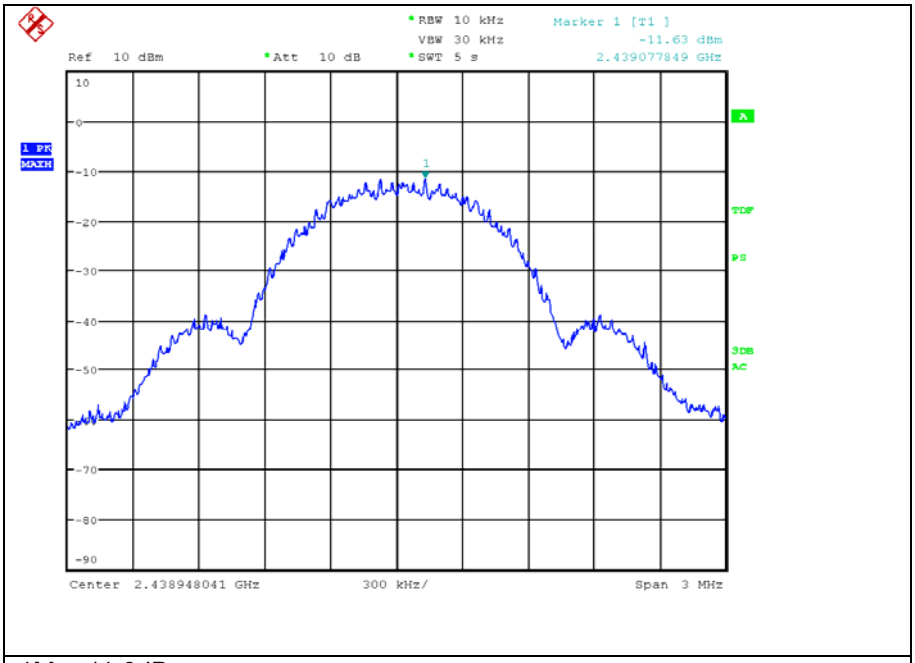


1M : -11.3dBm

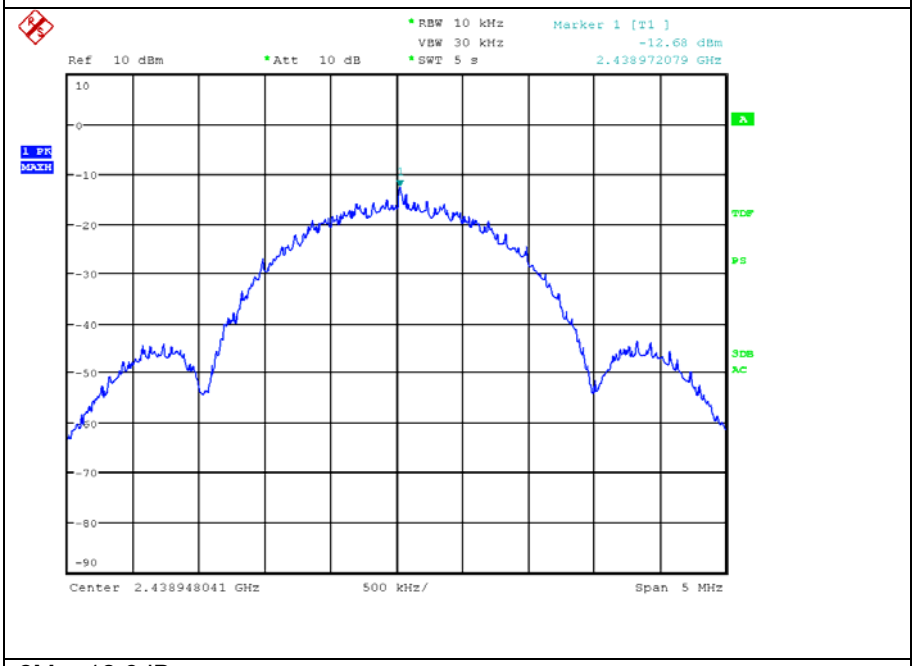


2M : -11.3dBm

Plot 24MHz

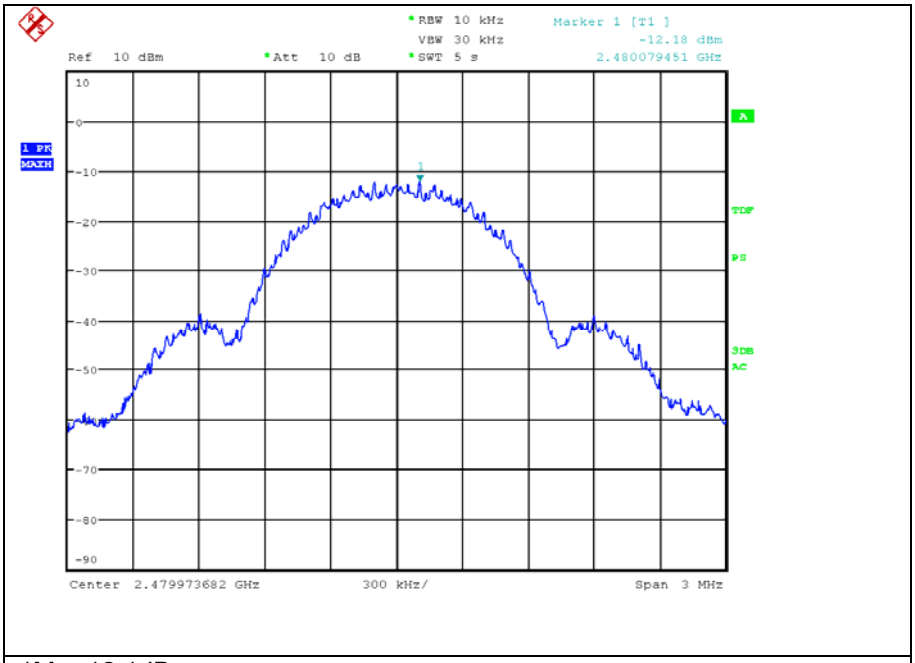


1M : -11.6dBm

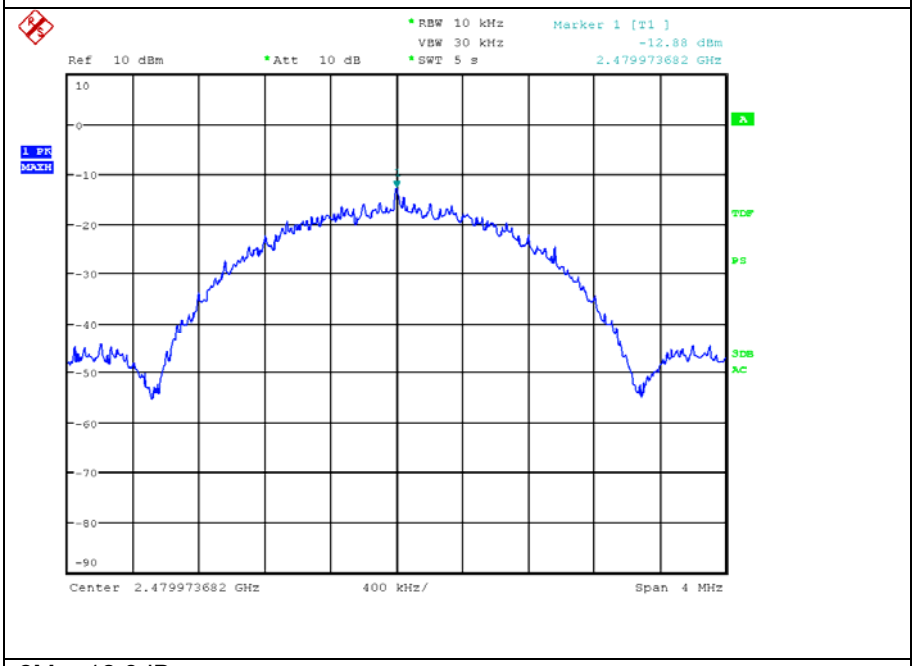


2M : -12.6dBm

Plot 2480MHz



1M : -12.1dBm



2M : -12.8dBm

7.8. limits

Table : RE @ 3m (class)

Frequency (MHz)	QP (dBµV/m)	AV (dBµV/m)	Peak (dBµV/m)
0.009 (*)	128	128	--
0.49 (*)	94	94	--
0.49 (*)	73	73	--
1.705	63		--
1.705	69.5		--
30	69.5		--
30-88	40	--	--
88-216	43.5	--	--
216-960	46	--	--
960-1000	54	--	--
1000-40000	--	54	74

(*) : The emission limits shown in theabove table are based on measurements employing a CISPR quasi-peak detectorexcept for the frequency bands 9–90kHz, 110–490 kHz Radiated emission limits in these bands are based on measurements employing an average detector.

7.9. Test dates and Climate conditions.

date	2019-09-08 , 15 and 27
ambient temperature	22/23/20ºC
relative humidity	43/52/65%
atmospheric pressure	1017/1011/1013hPa

7.10 Used equipment calibration

Equipment

MN	Last cal
20112350	2021-01-15
20180034	2021-07-27
458580	2021-02-08
2006054	2021-02-25
20170015	2019-09-16
201112419	2020-11-03
20170072	2021-03-24
475058	2021-03-24

SECTION 8: MEASUREMENT UNCERTAINTIES

RF-frequency:	+/- 0.1 ppm
RF power conducted:	+/- 1.5 dB
RF power radiated:	+/- 5.8 dB
Spurious emission conducted:	+/- 3 dB
Spurious emission radiated:	+/- 5.8 dB
RH	+/- 5%
T°	+/- 1°C
Vdc	+/- 0.5%
Vac	+/-2%

SECTION 9: PHOTOGRAPHS OF EQUIPMENT AND TEST SET-UP

Photo : EUT

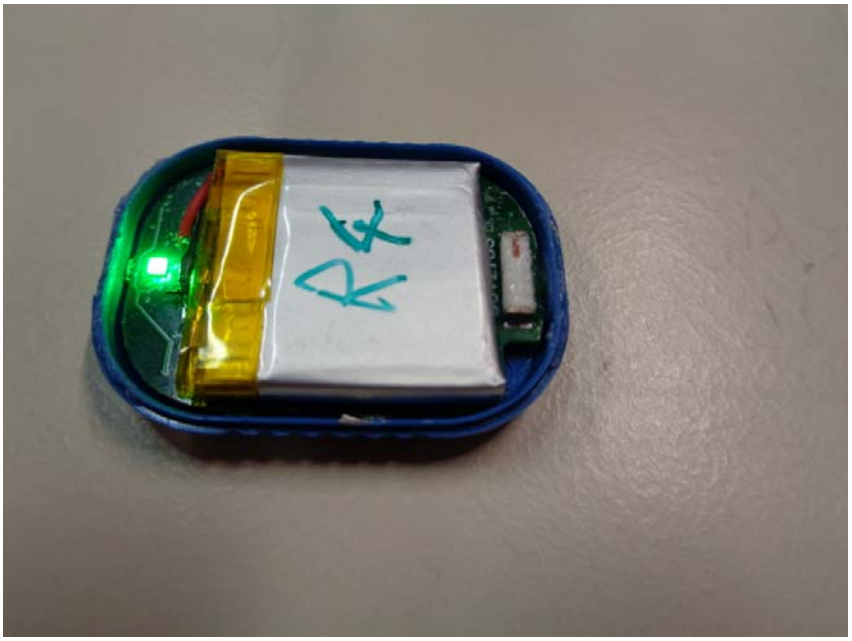


Photo : antenna

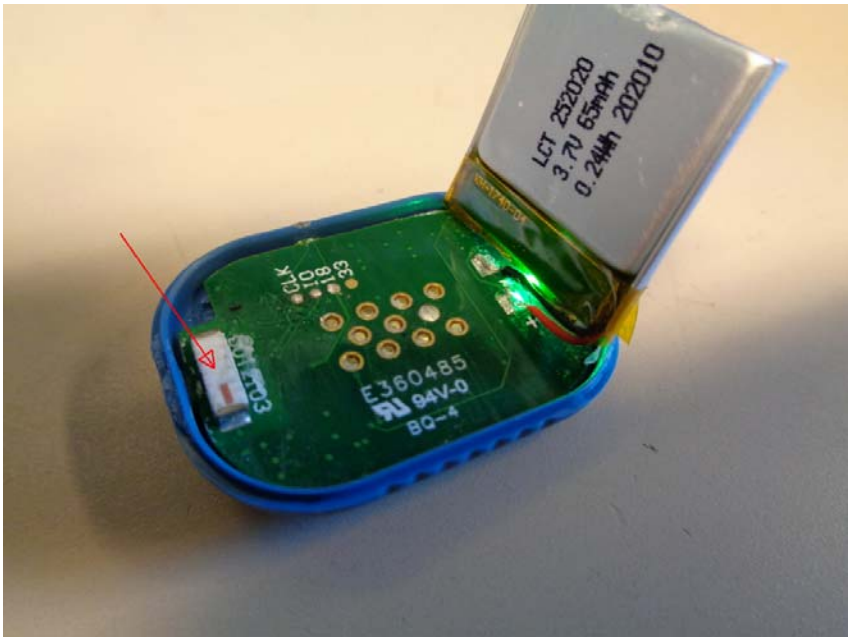
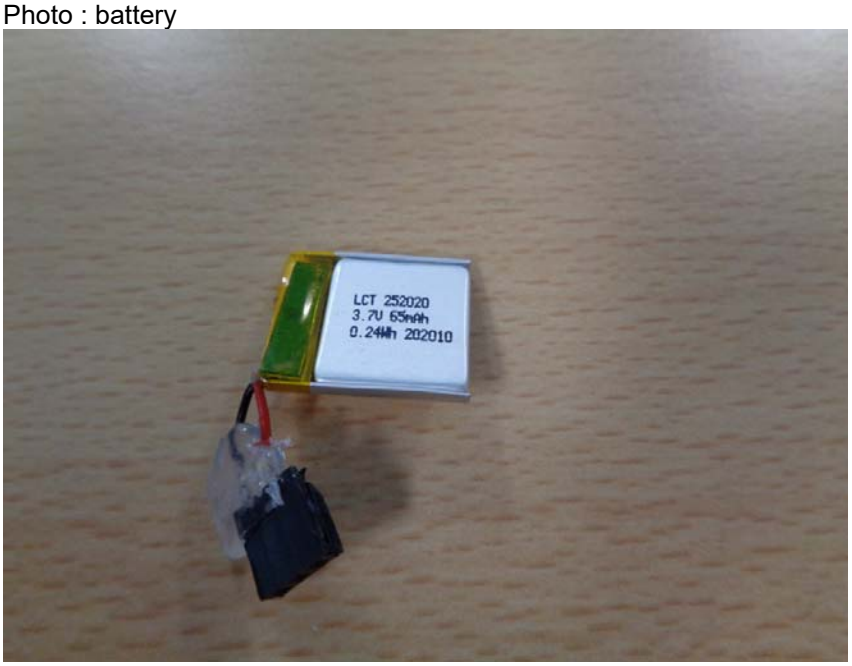


Photo : battery



SECTION 10: ADDITIONAL INFORMATION GIVEN BY THE CUSTOMER

Applicant's role during testing
none

EUT information given by the customer

Auxiliary equipment connected during testing
Single slot Docking Station with serial data readout. To configure the Sensor Dot for the tests. Charging Docking Station to charge the batteries in between the tests.

Cables
--

SECTION 11: MODIFICATIONS OF EUT

MODIFICATIONS OF EUT : none

SECTION 12: History of the test Report

HISTORY OF THE TEST REPORT (EDITION)

Edition	Adjustment (reason for up-grade)
PCC-EMC-5477_ed.1	Original
PCC-EMC-5477_ed.2	Adding test result antenna port , change limit emission range 18-25GHz

SECTION 13: ACCREDITATION CERTIFICATE

Organisme belge d'Accréditation
Belgische Accreditatieinstelling
Belgische Akkreditierungsstelle
Belgian Accreditation Body

EA MLA Signatory

Accreditation Certificate No. 041-TEST

In compliance with the provisions of the Royal Decree of 31 January 2006 setting up BELAC, the Accreditation Board hereby declares to have granted accreditation conform the requirements of the standard EN ISO/IEC 17025:2017 to:

Laboratoria De Nayer vzw
Jan Pieter de Nayerlaan 9
2860 Sint-Katelijne-Waver

The body demonstrated the competence to perform the activities in the activity sites, as described in the scope of accreditation 041-TEST which is an integral part of the present certificate.

The current version of the scope of accreditation is available at www.belac.be.

This certificate remains valid as long as the body continues to meet the accreditation conditions.

The Chair of the Accreditation Board BELAC,

Maureen LOGGHE

Version : **8**

Validity period : **2020-10-22 - 2024-01-07**

Original version of this certificate is in Dutch.

.be

BELAC BELAC BELAC

BELAC 6-319 R0-2020

FCC :

FEDERAL COMMUNICATIONS COMMISSION
Laboratory Division
7435 Oakland Mills Road
Columbia, MD 21046

To: Tina Vounasi
SPF Economie, PME, Classes moyennes et Energie
GROW-NANDO-ADMINISTRATOR@ec.europa.eu
From: George Tannahill
George.Tannahill@fcc.gov
Date: April 03, 2020

Test Firm Name: Laboratoria De Nayer
Designation Number: BE0002
Test Firm Registration Number: 963303

Subject: FCC recognition of accreditation for Laboratoria De Nayer

We have been notified by SPF Economie, PME, Classes moyennes et Energie that Laboratoria De Nayer has been accredited as a testing laboratory.

At this time Laboratoria De Nayer is hereby recognized to perform compliance testing on equipment subject to the Commission's Declaration Of Conformity (DOC) and Certification rules for the following scope(s):

Unintentional Radiators - FCC Part15, Subpart B
Industrial, Scientific, and Medical Equipment - FCC Part 18
Intentional Radiators - FCC Part 15 Subpart C

This recognition will expire upon expiration of the accreditation or notification of withdrawal of Commission's recognition.

Any questions about this recognition should be submitted as an inquiry to the FCC Knowledge Database at www.fcc.gov/kdb.